

## 2J6B86BCFd

4× 5G NR MIMO, 4× 2.4/5.0/6.0 GHz ISM MIMO and GNSS  
Screw Mount

### Key Features

#### Cable 1 - 4: 5G NR

- 617-960 MHz
- 1427-2690 MHz
- 3300-5000 MHz
- 5150-5925 MHz

#### Cable 5 - 8: 2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz
- 4920-7125 MHz

#### Cable 9: GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Screw Mount

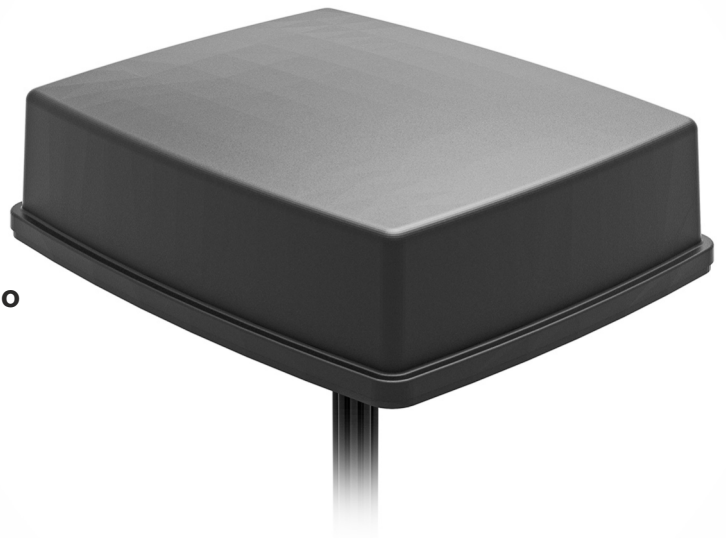
High Performance

Ground Plane Independent

Customizable Cable and Connector

Dimensions: 199 × 167 × 54 mm

Certificates: IP67, IP69



## 1. Antenna and electrical specifications

Cable 1

| Parameters           | 5GNR Antenna  |   |                                 |                      |
|----------------------|---|---|---------------------------------|----------------------|
| Technologies         | 5G, 4G, 3G and 2G   |   |                                 |                      |
| Standards            | 5GNR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G                                     |   |                                 |                      |
| Frequency (MHz)      | 617-960   | 1427-2690   | 3300-5000                       | 5150-5925            |
| Band (MHz)           | 600, 700, 850, 900  | 1500, 1600, 1700, 1800,<br>1900, 2000, 2100, 2300,<br>2500, 2600  | 3300, 3500, 3600,<br>3700, 4500 | 5200, 5500, 5800     |
| 5GNR Bands           | n5, n8, 12, n20, n28, n71,<br>n81, n82, n83,  | n1, n2, n3, n7, n25, n34,<br>n38, n39, n40, n41, n50,<br>n51, n66, n70, n74, n75,<br>n76, n80, n84, n86   | n77, n78, n79                   |                      |
| 4GLTE Bands          | B5, B6, B8, B12, B13, B14,<br>B17, B18, B19, B20, B26,<br>B27, B28, B29, B44, B67,<br>B68, B71, B85 | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B23, B24,<br>B25, B30, B32, B33, B34,<br>B35, B36, B37, B38, B39,<br>B40, B41, B45, B50, B51,<br>B65, B66, B69, B70, B74,<br>B75, B76 | B22, B42, B43, B48,<br>B49, B52 | B46, B47, B252, B255 |
| 3GCELL Bands         | B5, B6, B8, B12, B13, B14,<br>B19, B20, B26   | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B25, B32,<br>B33, B34, B35, B36, B37,<br>B38, B39, B40  | B22                             |                      |
| 2GCELL Bands         | 710, 750, 810T, 850, 900P,<br>900E, 900R  | 1800DCS, 1900PCS  |                                 |                      |
| CDMACELL Bands       | BC0, BC2, BC3, BC7, BC9,<br>BC10, BC12, BC18, BC19  | BC1, BC4, BC6, BC8,<br>BC13, BC14, BC15, BC16,<br>BC20, BC21  |                                 |                      |
| Return Loss (dB)     | ~-14.2  | ~-15.4  | ~-18.3                          | ~-9.2                |
| VSWR                 | ~1.6:1  | ~1.6:1  | ~1.3:1                          | ~2.1:1               |
| Efficiency (%)       | ~40.0   | ~45.7   | ~44.2                           | ~36.8                |
| Peak Gain (dBi)      | ~3.0  | ~5.0  | ~4.6                            | ~5.0                 |
| Average Gain (dB)    | ~-4.1   | ~-3.4   | ~-3.6                           | ~-4.4                |
| Impedance (Ohm)      | 50  |   |                                 |                      |
| Polarisation         | Linear  |   |                                 |                      |
| Radiation Pattern    | Omni-Directional  |   |                                 |                      |
| Max. Input Power (W) | 25  |   |                                 |                      |
| Connector Type       | SMA-Male Standard (Other Connectors Available)  |   |                                 |                      |
| Cable Length         | 300 cm Standard (Any Cable Length Available)  |   |                                 |                      |
| Cable Type           | D302 Standard (Other Cables Available)  |   |                                 |                      |

Cable 2

| Parameters           | 5GNR Antenna  |   |                                 |                      |
|----------------------|---|---|---------------------------------|----------------------|
| Technologies         | 5G, 4G, 3G and 2G   |   |                                 |                      |
| Standards            | 5GNR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G                                     |   |                                 |                      |
| Frequency (MHz)      | 617-960   | 1427-2690   | 3300-5000                       | 5150-5925            |
| Band (MHz)           | 600, 700, 850, 900  | 1500, 1600, 1700, 1800,<br>1900, 2000, 2100, 2300,<br>2500, 2600  | 3300, 3500, 3600,<br>3700, 4500 | 5200, 5500, 5800     |
| 5GNR Bands           | n5, n8 ,12, n20, n28, n71,<br>n81, n82, n83,  | n1, n2, n3, n7, n25, n34,<br>n38, n39, n40, n41, n50,<br>n51, n66, n70, n74, n75,<br>n76, n80, n84, n86   | n77, n78, n79                   |                      |
| 4GLTE Bands          | B5, B6, B8, B12, B13, B14,<br>B17, B18, B19, B20, B26,<br>B27, B28, B29, B44, B67,<br>B68, B71, B85 | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B23, B24,<br>B25, B30, B32, B33, B34,<br>B35, B36, B37, B38, B39,<br>B40, B41, B45, B50, B51,<br>B65, B66, B69, B70, B74,<br>B75, B76 | B22, B42, B43, B48,<br>B49, B52 | B46, B47, B252, B255 |
| 3GCELL Bands         | B5, B6, B8, B12, B13, B14,<br>B19, B20, B26   | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B25, B32,<br>B33, B34, B35, B36, B37,<br>B38, B39, B40  | B22                             |                      |
| 2GCELL Bands         | 710, 750, 810T, 850, 900P,<br>900E, 900R  | 1800DCS, 1900PCS  |                                 |                      |
| CDMACELL Bands       | BC0, BC2, BC3, BC7, BC9,<br>BC10, BC12, BC18, BC19  | BC1, BC4, BC6, BC8,<br>BC13, BC14, BC15, BC16,<br>BC20, BC21  |                                 |                      |
| Return Loss (dB)     | ~-12.8  | ~-15.3  | ~-18.5                          | ~-10.8               |
| VSWR                 | ~1.9:1  | ~1.6:1  | ~1.4:1                          | ~1.9:1               |
| Efficiency (%)       | ~34.1   | ~48.2   | ~43.7                           | ~37.8                |
| Peak Gain (dBi)      | ~1.1  | ~4.8  | ~5.1                            | ~5.0                 |
| Average Gain (dB)    | ~-4.8   | ~-3.2   | ~-3.6                           | ~-4.3                |
| Impedance (Ohm)      | 50  |   |                                 |                      |
| Polarisation         | Linear  |   |                                 |                      |
| Radiation Pattern    | Omni-Directional  |   |                                 |                      |
| Max. Input Power (W) | 25  |   |                                 |                      |
| Connector Type       | SMA-Male Standard (Other Connectors Available)  |   |                                 |                      |
| Cable Length         | 300 cm Standard (Any Cable Length Available)  |   |                                 |                      |
| Cable Type           | D302 Standard (Other Cables Available)  |   |                                 |                      |

**Cable 3**

| Parameters           | 5G NR Antenna   |   |                                 |                      |
|----------------------|---|---|---------------------------------|----------------------|
| Technologies         | 5G, 4G, 3G and 2G   |   |                                 |                      |
| Standards            | 5G NR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G                                    |   |                                 |                      |
| Frequency (MHz)      | 617-960   | 1427-2690   | 3300-5000                       | 5150-5925            |
| Band (MHz)           | 600, 700, 850, 900  | 1500, 1600, 1700, 1800,<br>1900, 2000, 2100, 2300,<br>2500, 2600  | 3300, 3500, 3600,<br>3700, 4500 | 5200, 5500, 5800     |
| 5G NR Bands          | n5, n8, 12, n20, n28, n71,<br>n81, n82, n83,  | n1, n2, n3, n7, n25, n34,<br>n38, n39, n40, n41, n50,<br>n51, n66, n70, n74, n75,<br>n76, n80, n84, n86   | n77, n78, n79                   |                      |
| 4GLTE Bands          | B5, B6, B8, B12, B13, B14,<br>B17, B18, B19, B20, B26,<br>B27, B28, B29, B44, B67,<br>B68, B71, B85 | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B23, B24,<br>B25, B30, B32, B33, B34,<br>B35, B36, B37, B38, B39,<br>B40, B41, B45, B50, B51,<br>B65, B66, B69, B70, B74,<br>B75, B76 | B22, B42, B43, B48,<br>B49, B52 | B46, B47, B252, B255 |
| 3GCELL Bands         | B5, B6, B8, B12, B13, B14,<br>B19, B20, B26   | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B25, B32,<br>B33, B34, B35, B36, B37,<br>B38, B39, B40  | B22                             |                      |
| 2GCELL Bands         | 710, 750, 810T, 850, 900P,<br>900E, 900R  | 1800DCS, 1900PCS  |                                 |                      |
| CDMA CELL Bands      | BC0, BC2, BC3, BC7, BC9,<br>BC10, BC12, BC18, BC19  | BC1, BC4, BC6, BC8,<br>BC13, BC14, BC15, BC16,<br>BC20, BC21  |                                 |                      |
| Return Loss (dB)     | ~-12.7  | ~-14.6  | ~-19.7                          | ~-13.5               |
| VSWR                 | ~1.9:1  | ~1.6:1  | ~1.3:1                          | ~1.6:1               |
| Efficiency (%)       | ~36.4   | ~45.6   | ~41.2                           | ~38.7                |
| Peak Gain (dBi)      | ~3.0  | ~4.9  | ~4.5                            | ~4.8                 |
| Average Gain (dB)    | ~-4.4   | ~-3.5   | ~-3.9                           | ~-4.1                |
| Impedance (Ohm)      | 50  |   |                                 |                      |
| Polarisation         | Linear  |   |                                 |                      |
| Radiation Pattern    | Omni-Directional  |   |                                 |                      |
| Max. Input Power (W) | 25  |   |                                 |                      |
| Connector Type       | SMA-Male Standard (Other Connectors Available)  |   |                                 |                      |
| Cable Length         | 300 cm Standard (Any Cable Length Available)  |   |                                 |                      |
| Cable Type           | D302 Standard (Other Cables Available)  |   |                                 |                      |

**Cable 4**

| Parameters           | 5GNR Antenna  |   |                                 |                      |
|----------------------|---|---|---------------------------------|----------------------|
| Technologies         | 5G, 4G, 3G and 2G   |   |                                 |                      |
| Standards            | 5GNR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G                                     |   |                                 |                      |
| Frequency (MHz)      | 617-960   | 1427-2690   | 3300-5000                       | 5150-5925            |
| Band (MHz)           | 600, 700, 850, 900  | 1500, 1600, 1700, 1800,<br>1900, 2000, 2100, 2300,<br>2500, 2600  | 3300, 3500, 3600,<br>3700, 4500 | 5200, 5500, 5800     |
| 5GNR Bands           | n5, n8 ,12, n20, n28, n71,<br>n81, n82, n83,  | n1, n2, n3, n7, n25, n34,<br>n38, n39, n40, n41, n50,<br>n51, n66, n70, n74, n75,<br>n76, n80, n84, n86   | n77, n78, n79                   |                      |
| 4GLTE Bands          | B5, B6, B8, B12, B13, B14,<br>B17, B18, B19, B20, B26,<br>B27, B28, B29, B44, B67,<br>B68, B71, B85 | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B23, B24,<br>B25, B30, B32, B33, B34,<br>B35, B36, B37, B38, B39,<br>B40, B41, B45, B50, B51,<br>B65, B66, B69, B70, B74,<br>B75, B76 | B22, B42, B43, B48,<br>B49, B52 | B46, B47, B252, B255 |
| 3GCELL Bands         | B5, B6, B8, B12, B13, B14,<br>B19, B20, B26   | B1, B2, B3, B4, B7, B9,<br>B10, B11, B21, B25, B32,<br>B33, B34, B35, B36, B37,<br>B38, B39, B40  | B22                             |                      |
| 2GCELL Bands         | 710, 750, 810T, 850, 900P,<br>900E, 900R  | 1800DCS, 1900PCS  |                                 |                      |
| CDMACELL Bands       | BC0, BC2, BC3, BC7, BC9,<br>BC10, BC12, BC18, BC19  | BC1, BC4, BC6, BC8,<br>BC13, BC14, BC15, BC16,<br>BC20, BC21  |                                 |                      |
| Return Loss (dB)     | ~-11.8  | ~-15.4  | ~-20.5                          | ~-12.8               |
| VSWR                 | ~1.9:1  | ~1.5:1  | ~1.3:1                          | ~1.6:1               |
| Efficiency (%)       | ~35.8   | ~55.4   | ~51.0                           | ~44.6                |
| Peak Gain (dBi)      | ~2.3  | ~5.1  | ~5.2                            | ~5.0                 |
| Average Gain (dB)    | ~-4.5   | ~-2.6   | ~-2.9                           | ~-3.5                |
| Impedance (Ohm)      | 50  |   |                                 |                      |
| Polarisation         | Linear  |   |                                 |                      |
| Radiation Pattern    | Omni-Directional  |   |                                 |                      |
| Max. Input Power (W) | 25  |   |                                 |                      |
| Connector Type       | SMA-Male Standard (Other Connectors Available)  |   |                                 |                      |
| Cable Length         | 300 cm Standard (Any Cable Length Available)  |   |                                 |                      |
| Cable Type           | D302 Standard (Other Cables Available)  |   |                                 |                      |

**Antenna Measurement Conditions:**

Mounted on Metal Plate of 30 x 30 cm  
 100 cm of Cable D302  
 Measured in Certified CTIA 3D Anechoic Chamber

Cable 5

| Parameters                  | 2.4/5.0/6.0 GHz ISM Antenna                       |           |           |
|-----------------------------|---|-----------|-----------|
| <b>Standards</b>            | WiFi, BT, ZigBee, ISM, Sigfox, LoRa               |           |           |
| <b>Band (MHz)</b>           | 2.4GHz  | 5.0 GHz   | 6.0GHz    |
| <b>Frequency (MHz)</b>      | 2410-2490   | 4920-5925 | 5925-7125 |
| <b>Return Loss (dB)</b>     | ~-13.9  | ~-23.7    | ~-14.1    |
| <b>VSWR</b>                 | ~1.5:1  | ~1.2:1    | ~1.5:1    |
| <b>Efficiency (%)</b>       | ~55.6   | ~51.9     | ~37.5     |
| <b>Peak Gain (dBi)</b>      | ~-4.3   | ~-6.7     | ~-6.3     |
| <b>Average Gain (dB)</b>    | ~-2.6   | ~-2.8     | ~-3.2     |
| <b>Impedance (Ohm)</b>      | 50  |           |           |
| <b>Polarisation</b>         | Linear  |           |           |
| <b>Radiation Pattern</b>    | Omni-Directional                                  |           |           |
| <b>Max. Input Power (W)</b> | 25  |           |           |
| <b>Connector Type</b>       | SMA-Male-RP Standard (Other Connectors Available) |           |           |
| <b>Cable Length</b>         | 300 cm Standard (Any Cable Length Available)      |           |           |
| <b>Cable Type</b>           | D302 Standard (Other Cables Available)            |           |           |

Cable 6

| Parameters                  | 2.4/5.0/6.0 GHz ISM Antenna                       |           |           |
|-----------------------------|---|-----------|-----------|
| <b>Standards</b>            | WiFi, BT, ZigBee, ISM, Sigfox, LoRa               |           |           |
| <b>Band (MHz)</b>           | 2.4 GHz   | 5.0 GHz   | 6.0 GHz   |
| <b>Frequency (MHz)</b>      | 2410-2490   | 4920-5925 | 5925-7125 |
| <b>Return Loss (dB)</b>     | ~-14.9  | ~-21.6    | ~-14.1    |
| <b>VSWR</b>                 | ~1.5:1  | ~1.2:1    | ~1.6:1    |
| <b>Efficiency (%)</b>       | ~50.0   | ~49.7     | ~41.1     |
| <b>Peak Gain (dBi)</b>      | ~-4.1   | ~-6.8     | ~-6.1     |
| <b>Average Gain (dB)</b>    | ~-3.0   | ~-3.0     | ~-2.8     |
| <b>Impedance (Ohm)</b>      | 50  |           |           |
| <b>Polarisation</b>         | Linear  |           |           |
| <b>Radiation Pattern</b>    | Omni-Directional                                  |           |           |
| <b>Max. Input Power (W)</b> | 25  |           |           |
| <b>Connector Type</b>       | SMA-Male-RP Standard (Other Connectors Available) |           |           |
| <b>Cable Length</b>         | 300 cm Standard (Any Cable Length Available)      |           |           |
| <b>Cable Type</b>           | D302 Standard (Other Cables Available)            |           |           |

**Cable 7**

| Parameters                  | 2.4/5.0/6.0 GHz ISM Antenna                       |           |           |
|-----------------------------|---|-----------|-----------|
| <b>Standards</b>            | WiFi, BT, ZigBee, ISM, Sigfox, LoRa               |           |           |
| <b>Band (MHz)</b>           | 2.4GHz  | 5.0 GHz   | 6.0GHz    |
| <b>Frequency (MHz)</b>      | 2410-2490   | 4920-5925 | 5925-7125 |
| <b>Return Loss (dB)</b>     | ~-14.1  | ~-22.4    | ~-14.2    |
| <b>VSWR</b>                 | ~1.5:1  | ~1.2:1    | ~1.6:1    |
| <b>Efficiency (%)</b>       | ~58.0   | ~49.7     | ~36.5     |
| <b>Peak Gain (dBi)</b>      | ~-4.4   | ~-6.7     | ~-5.6     |
| <b>Average Gain (dB)</b>    | ~-2.4   | ~-3.0     | ~-3.3     |
| <b>Impedance (Ohm)</b>      | 50  |           |           |
| <b>Polarisation</b>         | Linear  |           |           |
| <b>Radiation Pattern</b>    | Omni-Directional                                  |           |           |
| <b>Max. Input Power (W)</b> | 25  |           |           |
| <b>Connector Type</b>       | SMA-Male-RP Standard (Other Connectors Available) |           |           |
| <b>Cable Length</b>         | 300 cm Standard (Any Cable Length Available)      |           |           |
| <b>Cable Type</b>           | D302 Standard (Other Cables Available)            |           |           |

**Cable 8**

| Parameters                  | 2.4/5.0/6.0 GHz ISM Antenna                       |           |           |
|-----------------------------|---|-----------|-----------|
| <b>Standards</b>            | WiFi, BT, ZigBee, ISM, Sigfox, LoRa               |           |           |
| <b>Band (MHz)</b>           | 2.4 GHz   | 5.0 GHz   | 6.0 GHz   |
| <b>Frequency (MHz)</b>      | 2410-2490   | 4920-5925 | 5925-7125 |
| <b>Return Loss (dB)</b>     | ~-13.3  | ~-18.5    | ~-15.2    |
| <b>VSWR</b>                 | ~1.6:1  | ~1.3:1    | ~1.5:1    |
| <b>Efficiency (%)</b>       | ~52.2   | ~44.0     | ~33.8     |
| <b>Peak Gain (dBi)</b>      | ~-4.2   | ~-8.0     | ~-6.6     |
| <b>Average Gain (dB)</b>    | ~-2.8   | ~-3.6     | ~-3.6     |
| <b>Impedance (Ohm)</b>      | 50  |           |           |
| <b>Polarisation</b>         | Linear  |           |           |
| <b>Radiation Pattern</b>    | Omni-Directional                                  |           |           |
| <b>Max. Input Power (W)</b> | 25  |           |           |
| <b>Connector Type</b>       | SMA-Male-RP Standard (Other Connectors Available) |           |           |
| <b>Cable Length</b>         | 300 cm Standard (Any Cable Length Available)      |           |           |
| <b>Cable Type</b>           | D302 Standard (Other Cables Available)            |           |           |

**Antenna Measurement Conditions:**

Mounted on Metal Plate of 30 x 30 cm  
 100 cm of Cable D302  
 Measured in Certified CTIA 3D Anechoic Chamber

Cable 9

| Parameters                        | GPS/GLONASS/BeiDou Antenna                     |                  |           |
|-----------------------------------|--|------------------|-----------|
|                                   | BeiDou   | GPS/QZSS/Galileo | GLONASS   |
| <b>Standards</b>                  | BeiDou   | GPS/QZSS/Galileo | GLONASS   |
| <b>Bands (MHz)</b>                | 1561   | 1575             | 1602      |
| <b>Frequency (MHz)</b>            | 1561.098                                       | 1575.42          | 1598-1606 |
| <b>Passive Gain (dBi)</b>         | ~4.2   | ~4.5             | ~5.0      |
| <b>Impedance (Ohms)</b>           | 50   |                  |           |
| <b>Radiation Pattern</b>          | Hemispherical                                  |                  |           |
| <b>Voltage Range (V)</b>          | 1.5 - 3.6                                      |                  |           |
| <b>Active Gain (dB)</b>           | 28 @ 2.7 V                                     |                  |           |
| <b>Noise Figure (dB)</b>          | 1.8 @ 2.7 V                                    |                  |           |
| <b>Current Consumption (mA)</b>   | 9 @ 2.7 V                                      |                  |           |
| <b>Power Consumption (mW)</b>     | 24.3 @ 2.7 V                                   |                  |           |
| <b>Saw Filter Type</b>            | Pre-Filter                                     |                  |           |
| <b>Out of Band Rejection (dB)</b> | ~43  |                  |           |
| <b>ESD Protection (kV)</b>        | 6  |                  |           |
| <b>Connector Type</b>             | SMA-Male Standard (Other Connectors Available) |                  |           |
| <b>Cable Length</b>               | 300 cm Standard (Any Cable Length Available)   |                  |           |
| <b>Cable Type</b>                 | LL100 Standard (Other Cables Available)        |                  |           |

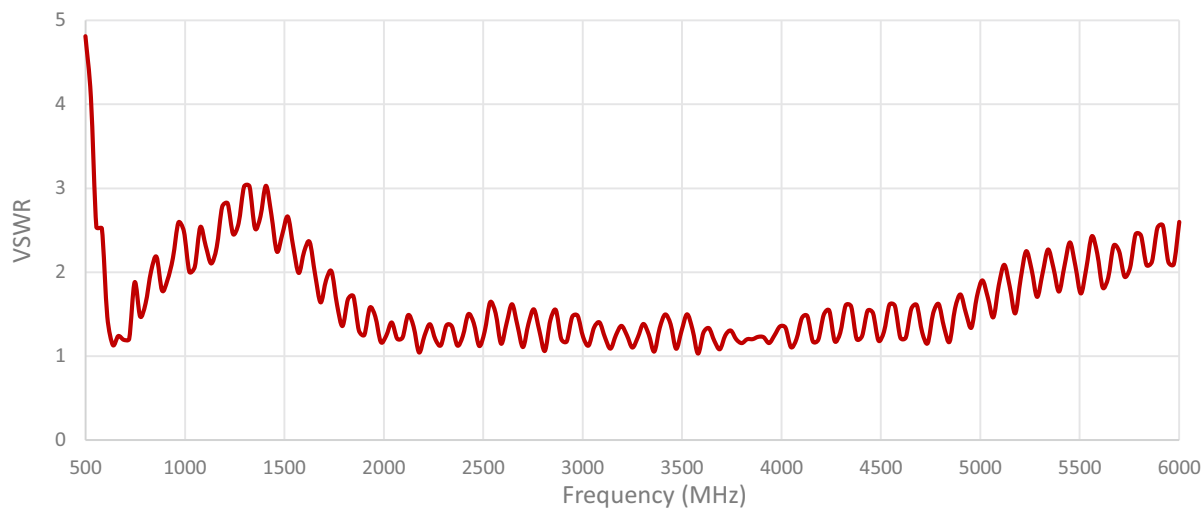
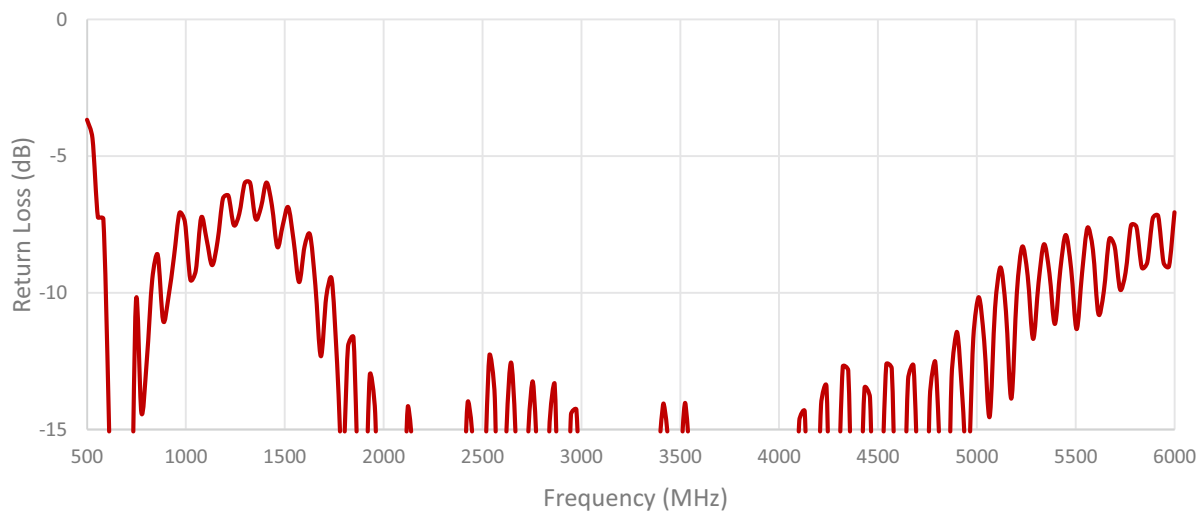
## 2. Mechanical and environmental specifications

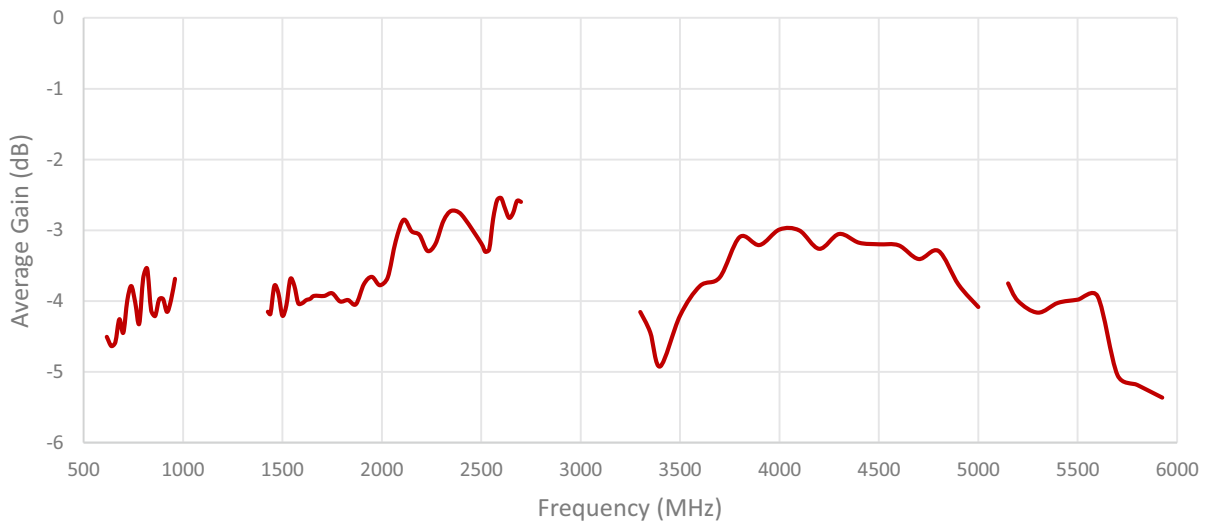
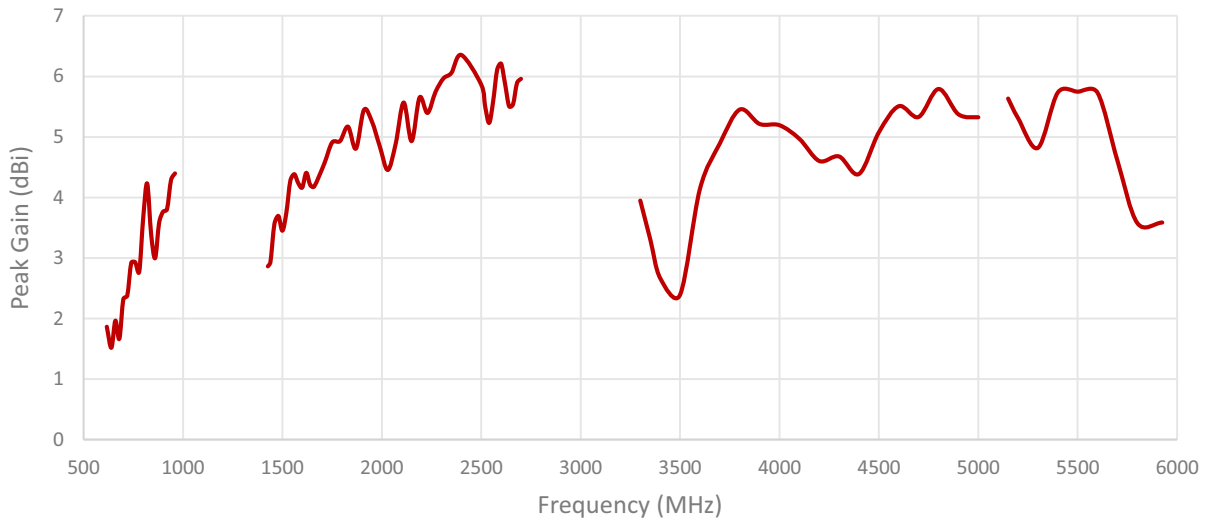
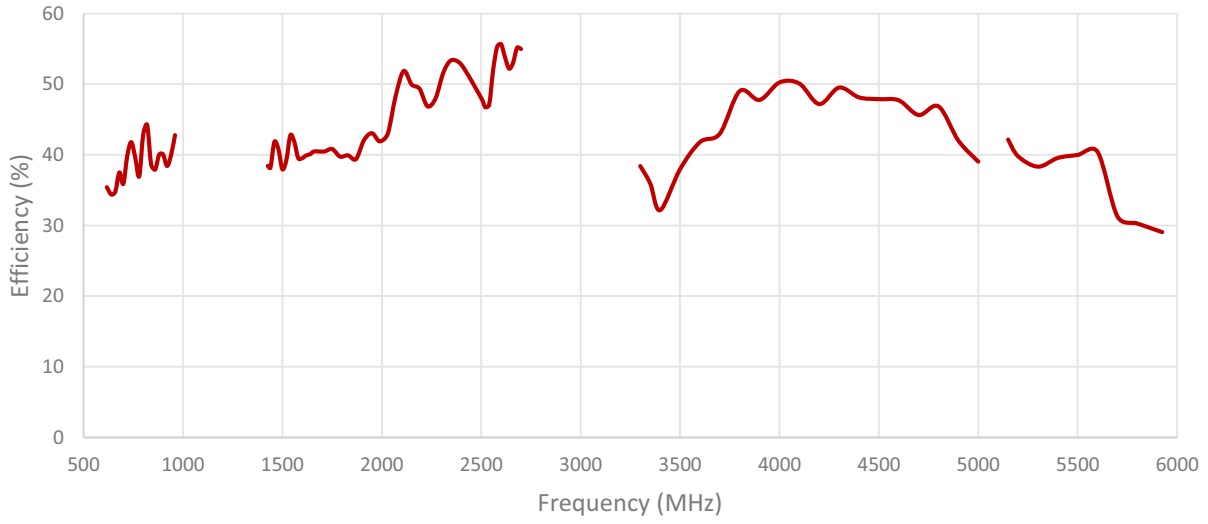
| Specifications                   | 2J6B86BCFd     |
|----------------------------------|----------------|
| <b>Mounting Type</b>             | Screw Mount    |
| <b>Dimensions (mm)</b>           | 199 × 167 × 54 |
| <b>Radome Type</b>               | ASA            |
| <b>Radome color</b>              | Black          |
| <b>Operating Temperature (C)</b> | -40 to +85     |
| <b>Storage Temperature (C)</b>   | -40 to +85     |
| <b>Substance Compliance</b>      | RoHS           |
| <b>Certificates</b>              | IP67, IP69     |



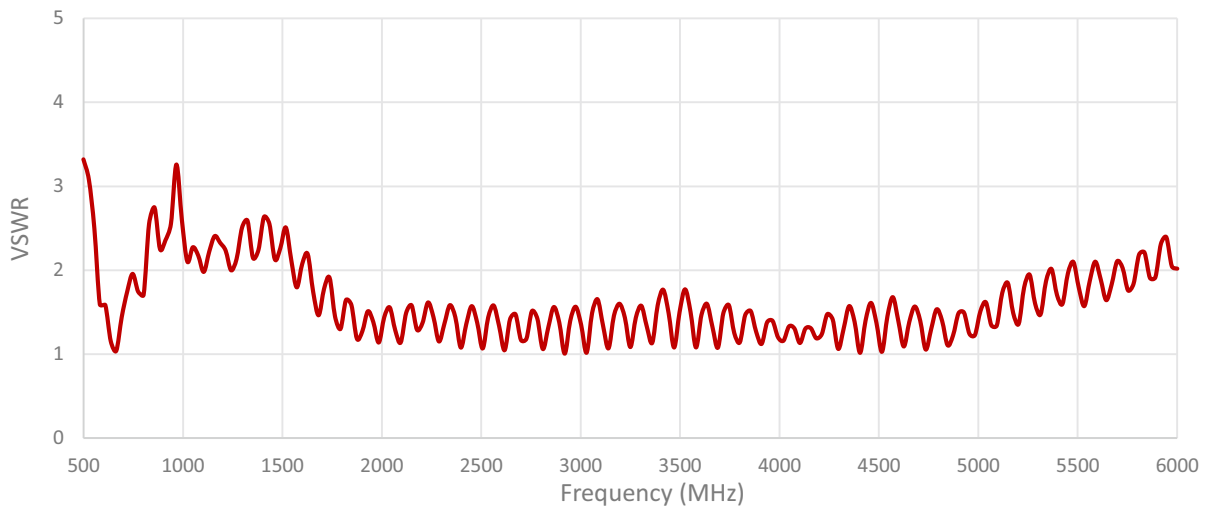
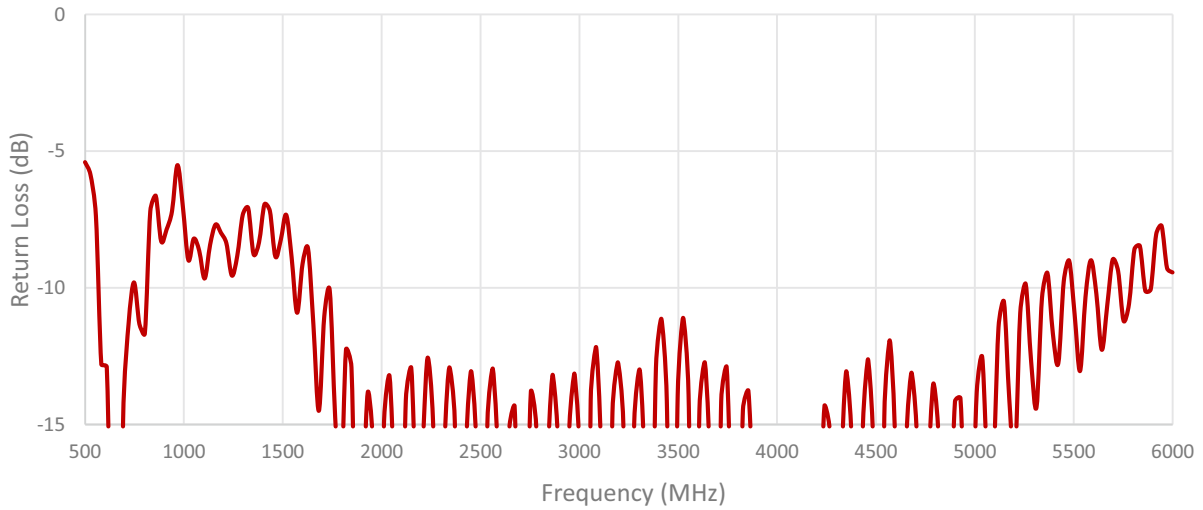
### 3. Antenna parameters

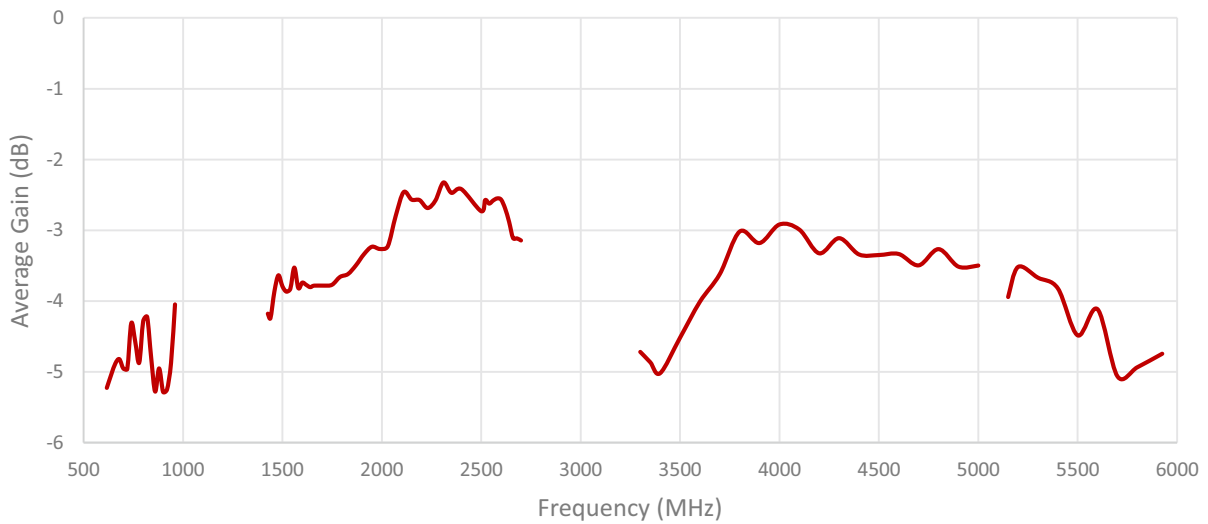
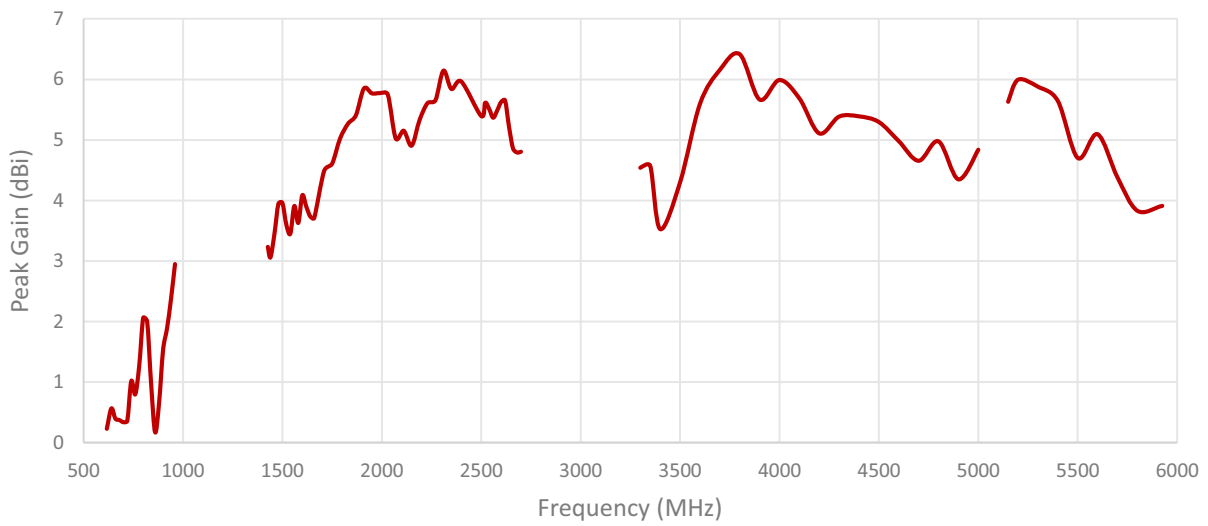
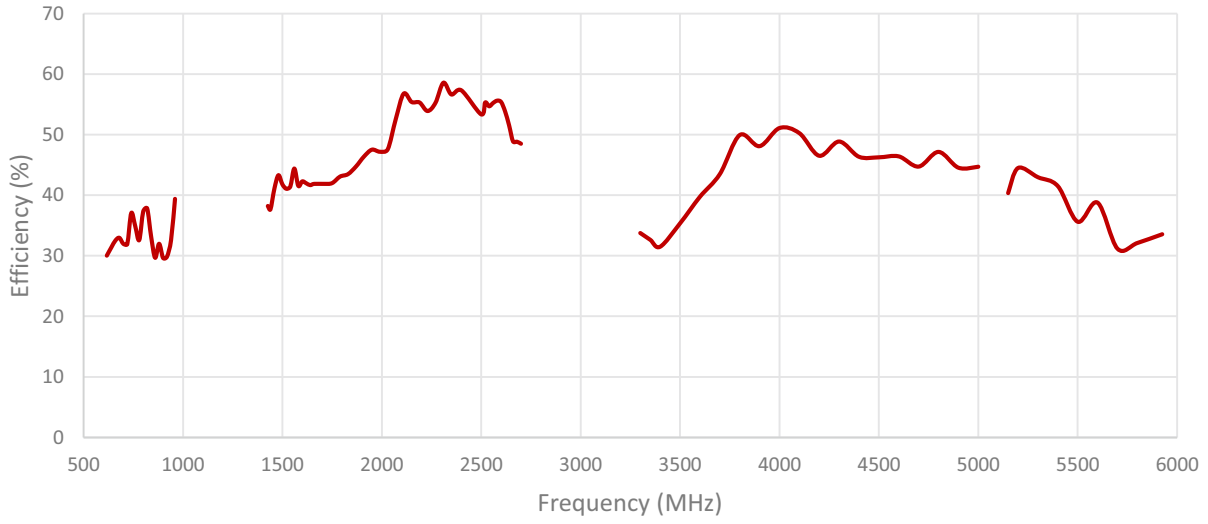
Cable 1: 5GNR



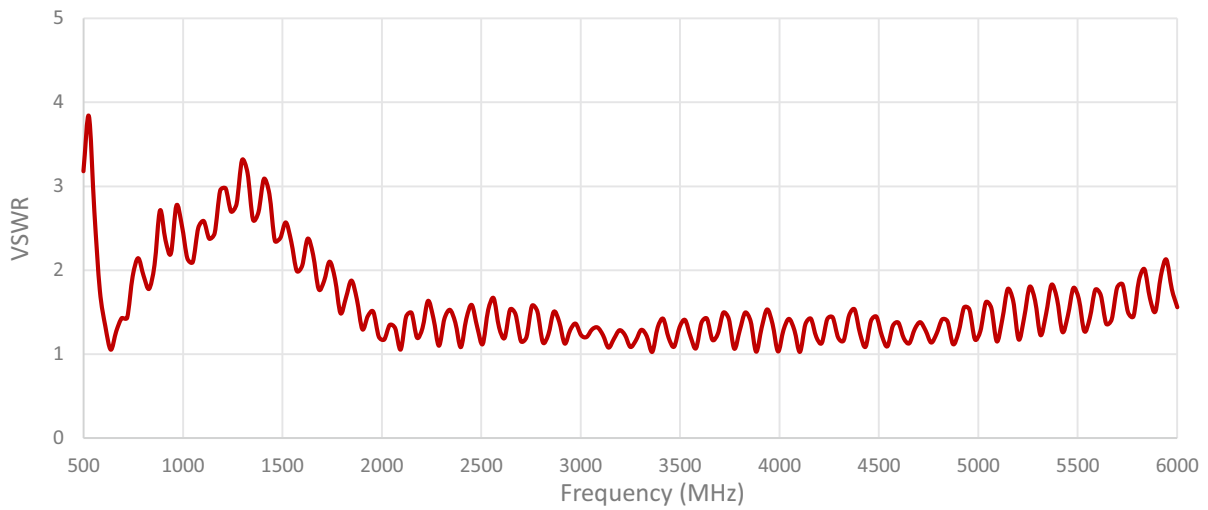
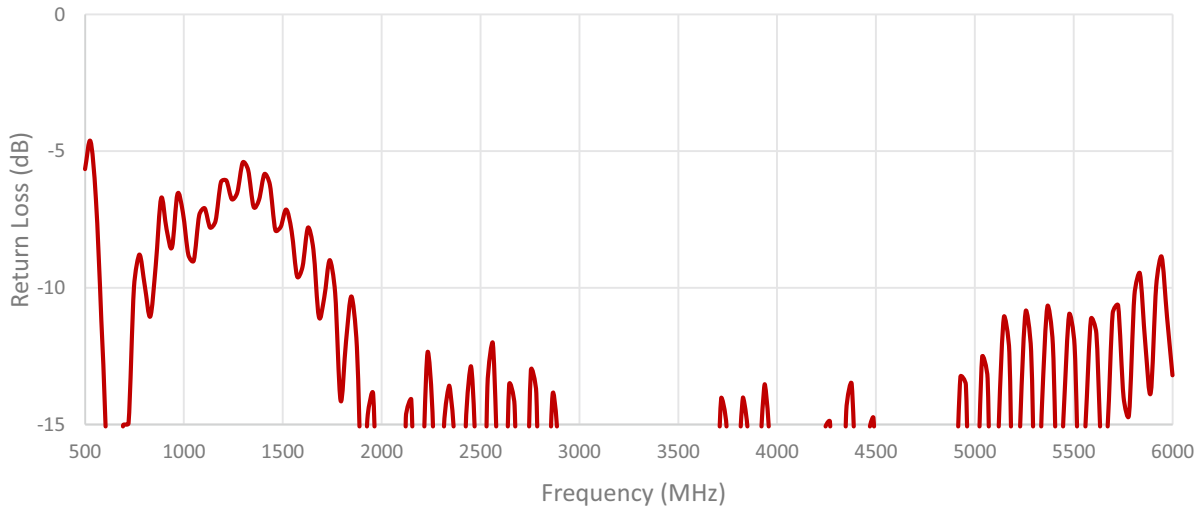


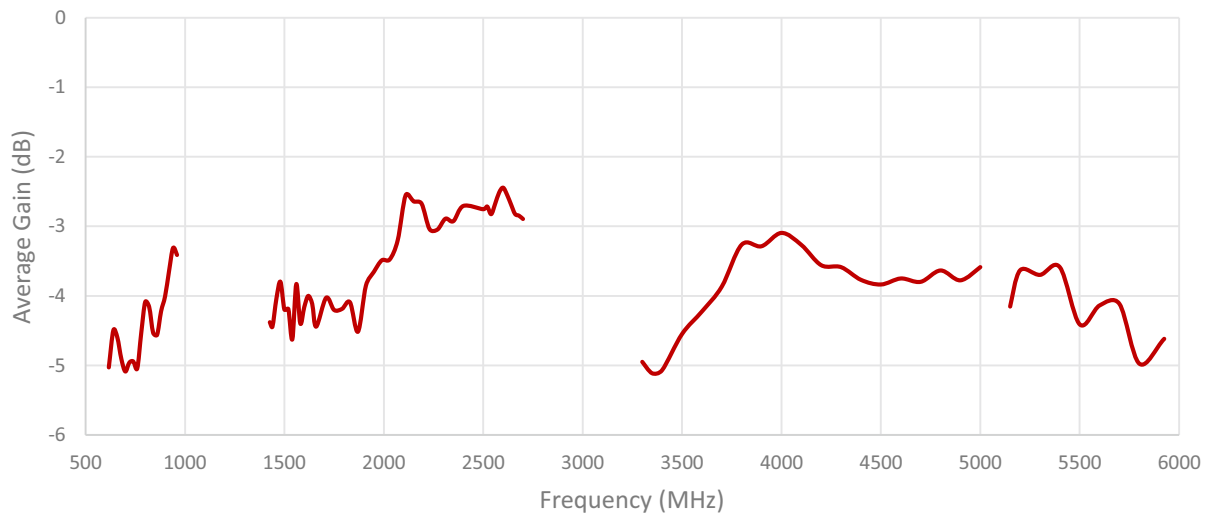
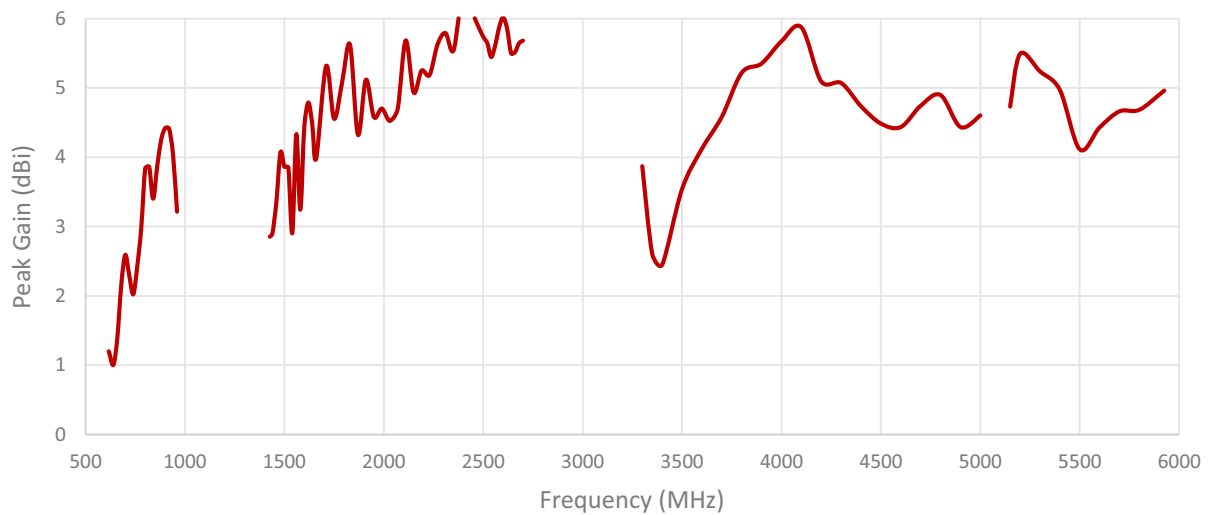
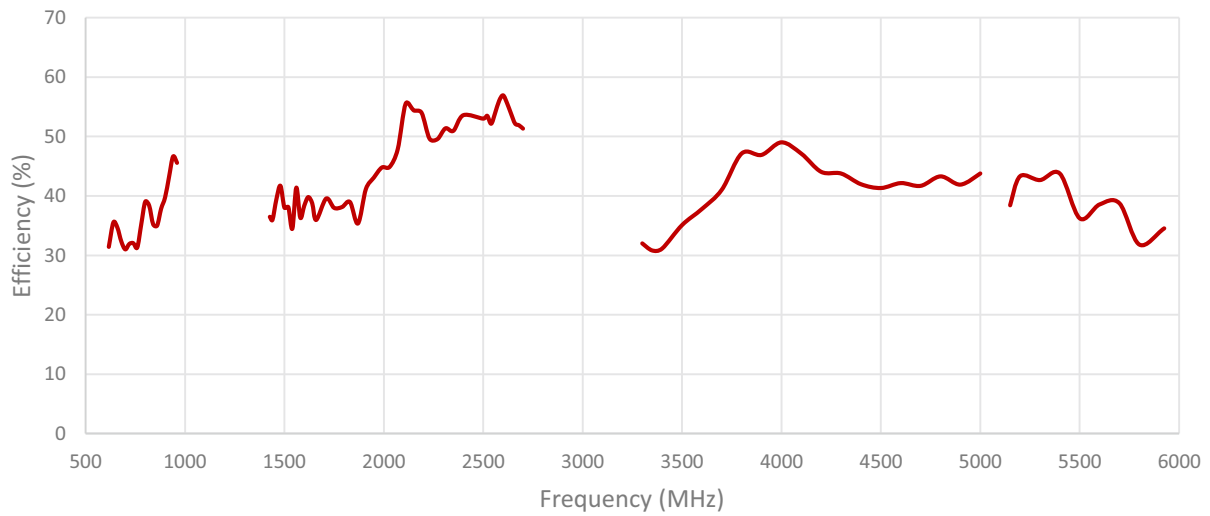
**Cable 2: 5G NR**



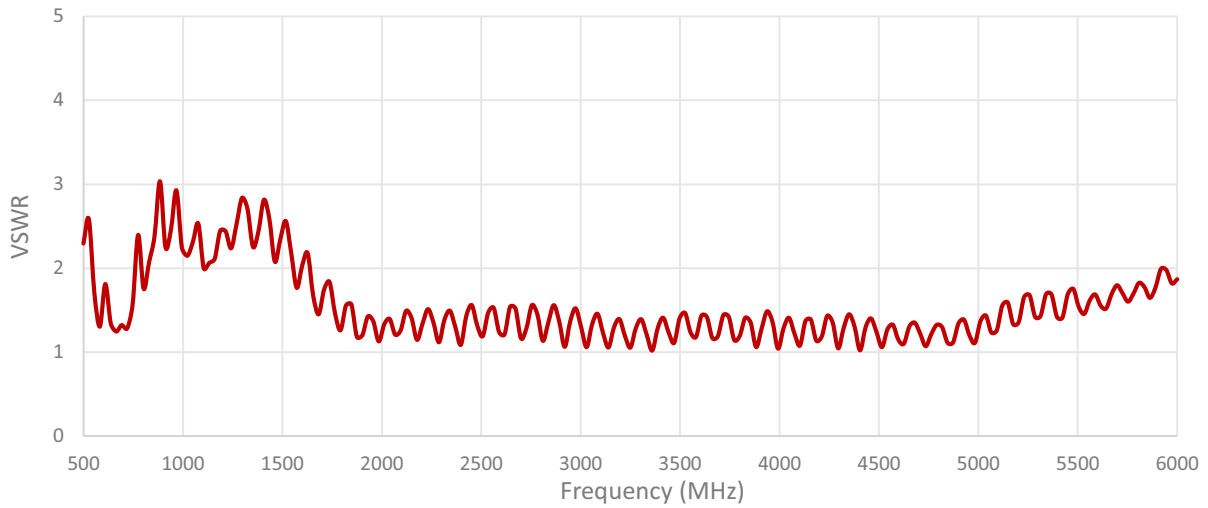
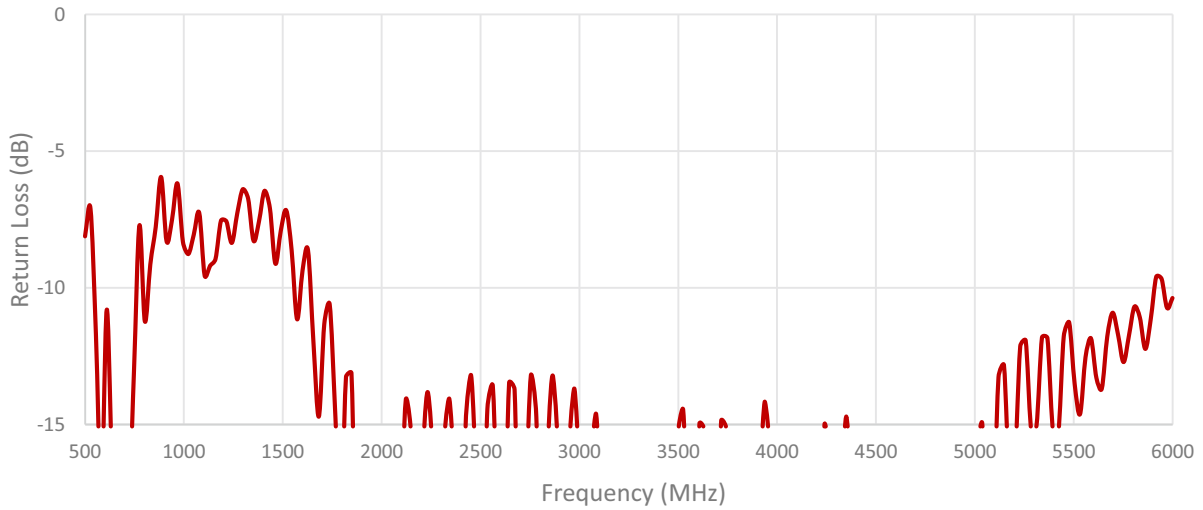


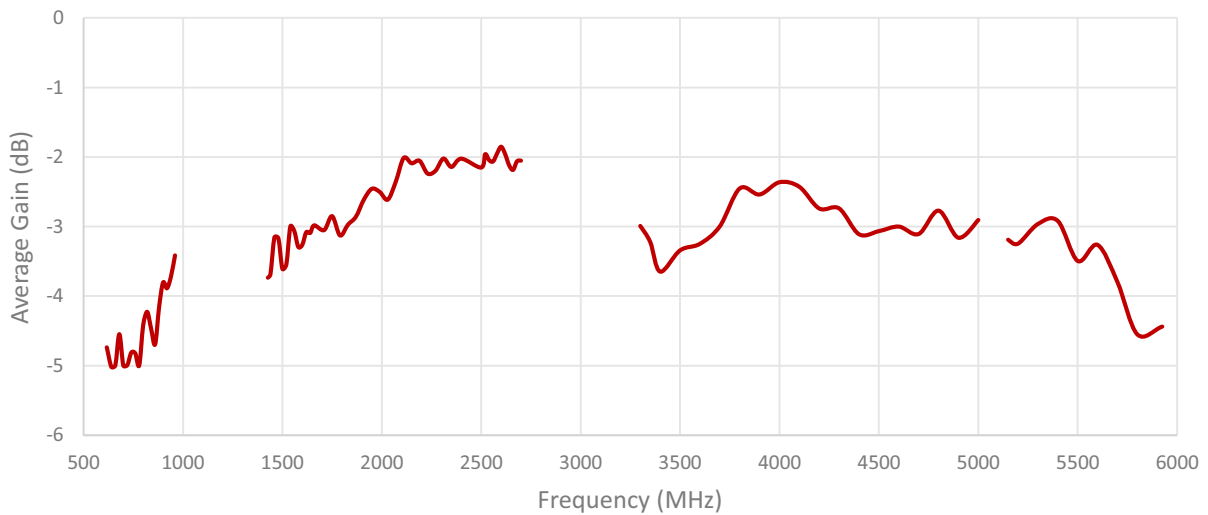
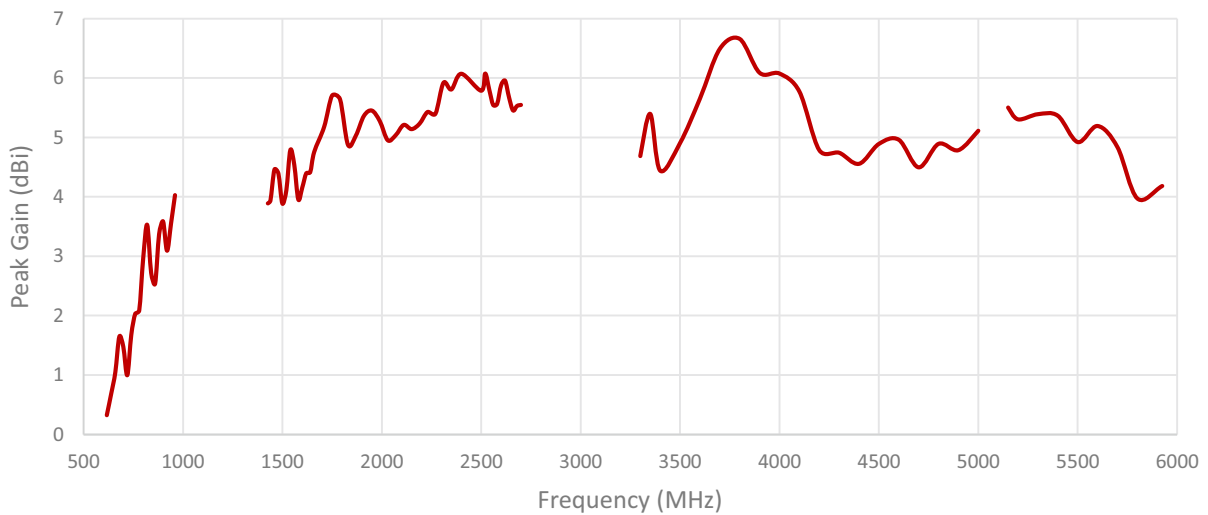
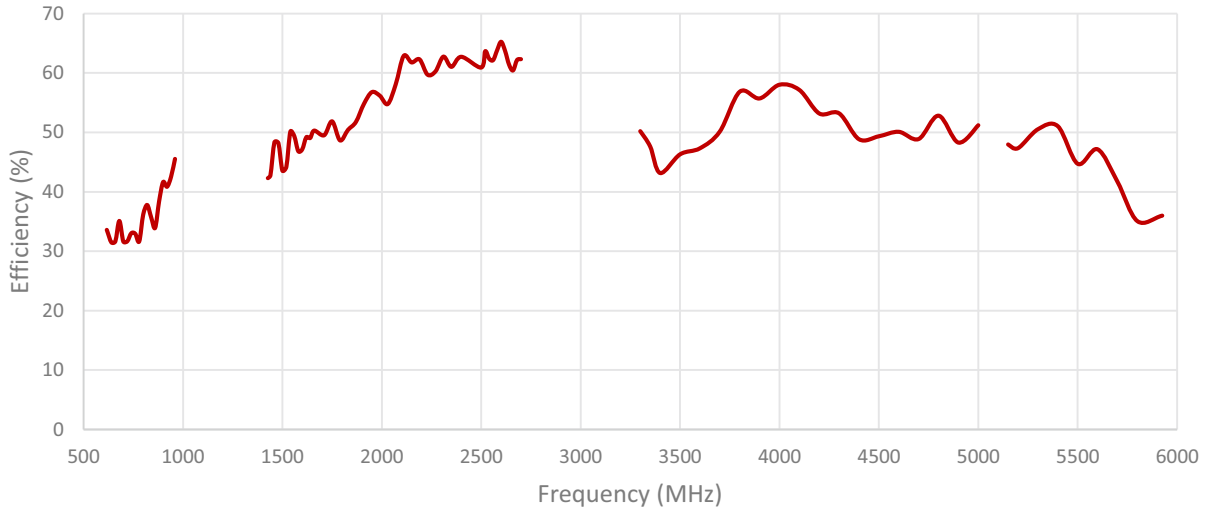
**Cable 3: 5G NR**





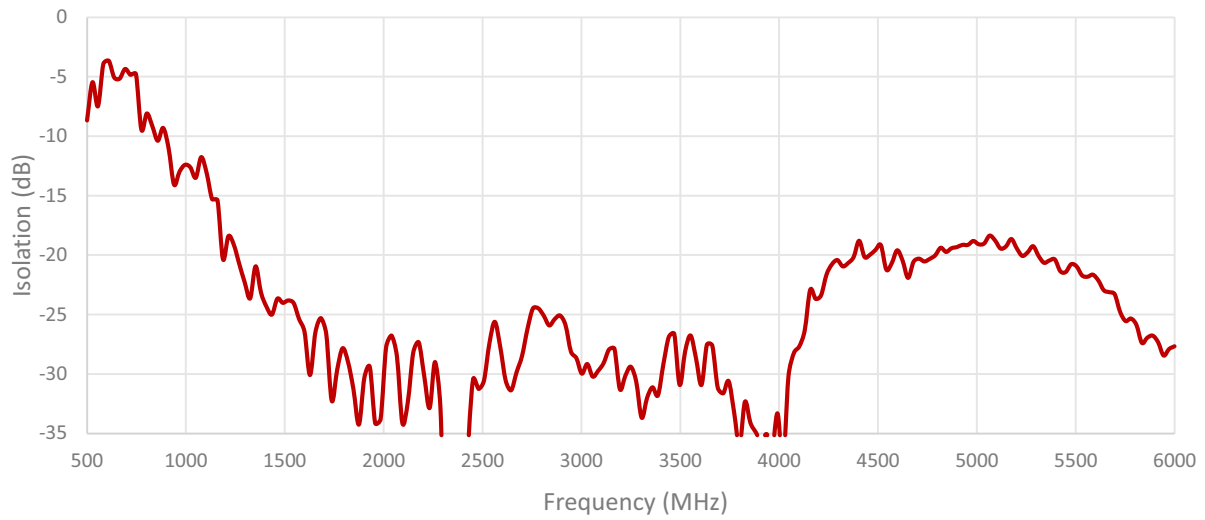
**Cable 4: 5G NR**



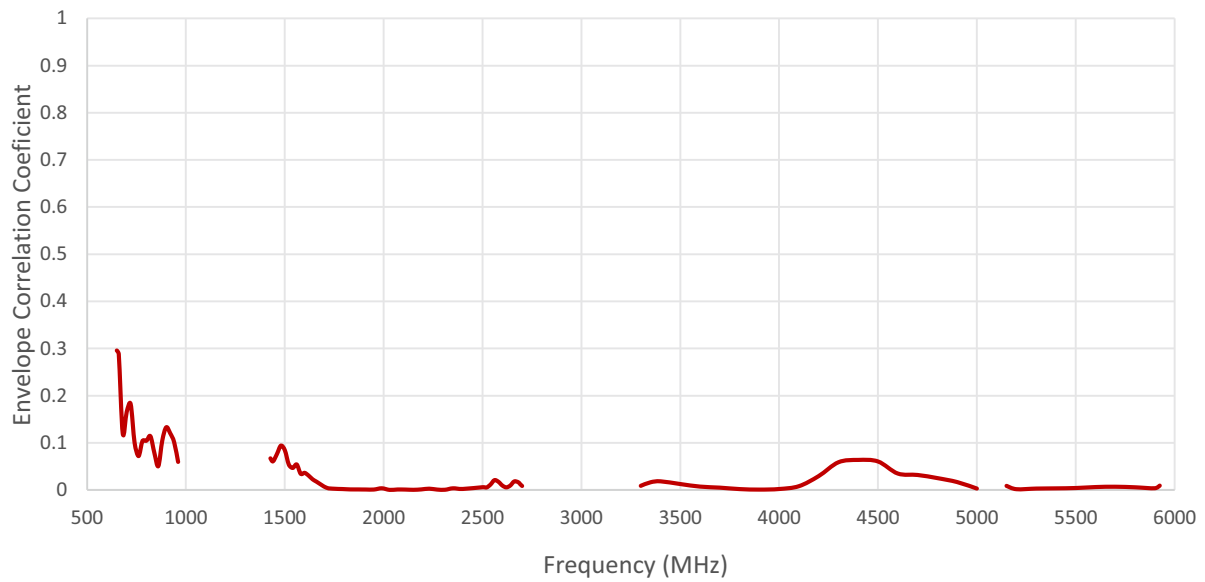




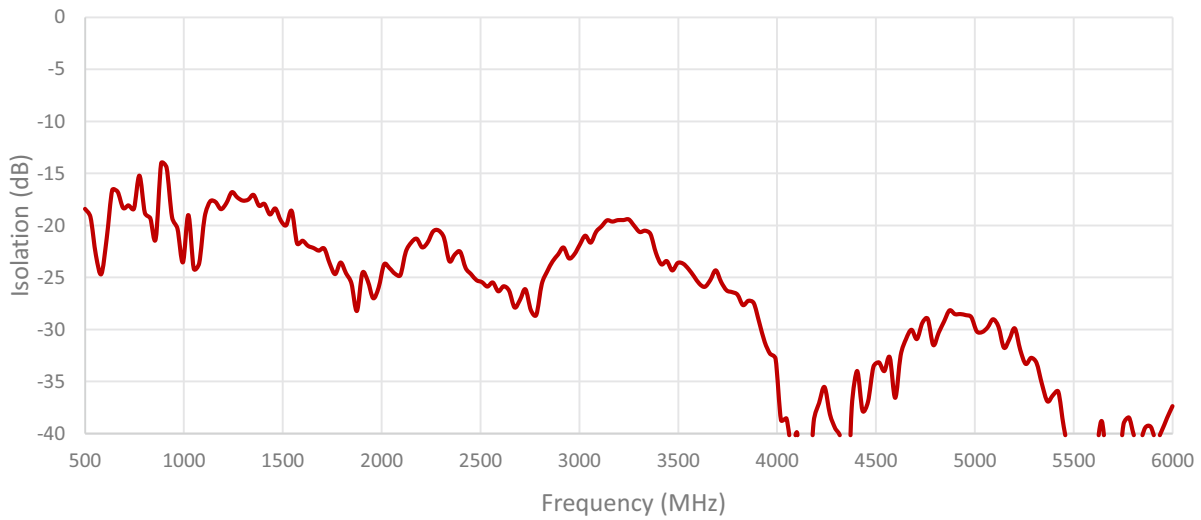
**ISOLATION FOR CABLES 1 AND 2**



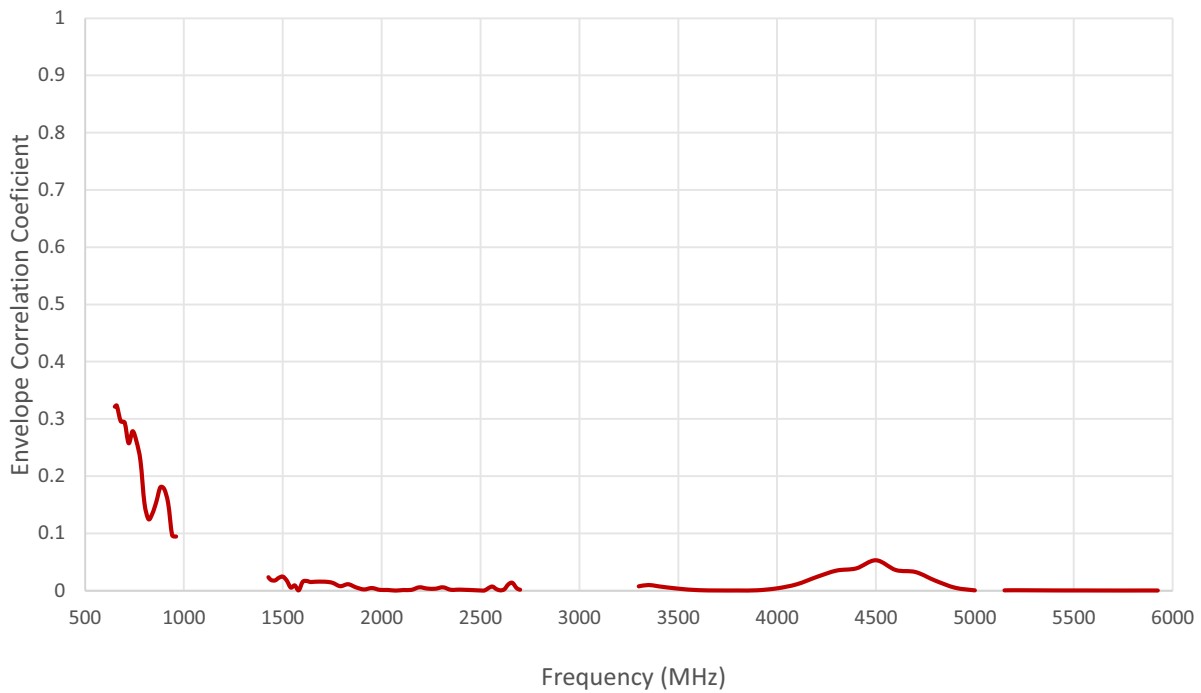
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2**



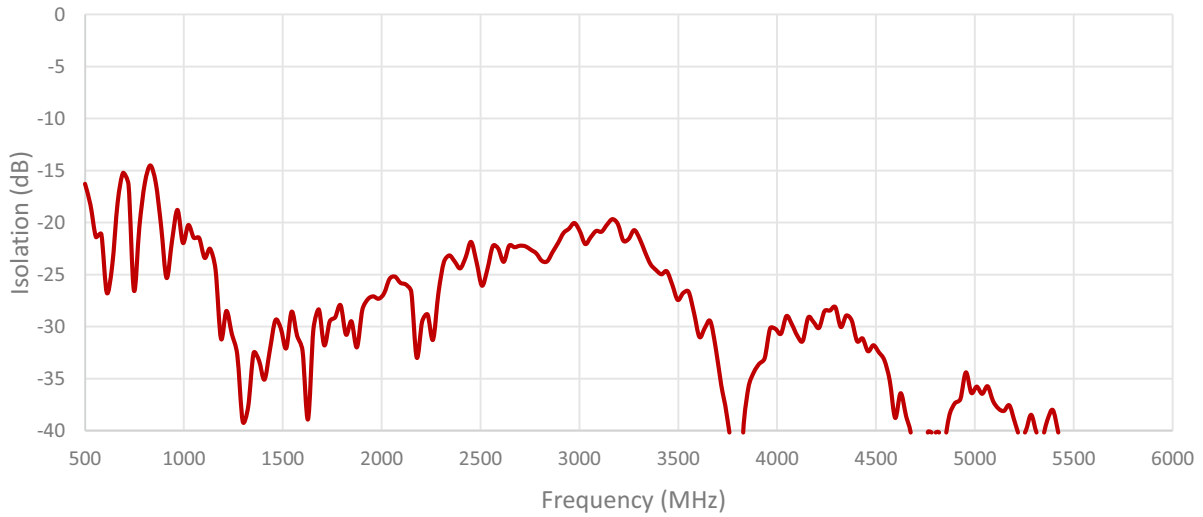
**ISOLATION FOR CABLES 1 AND 3**



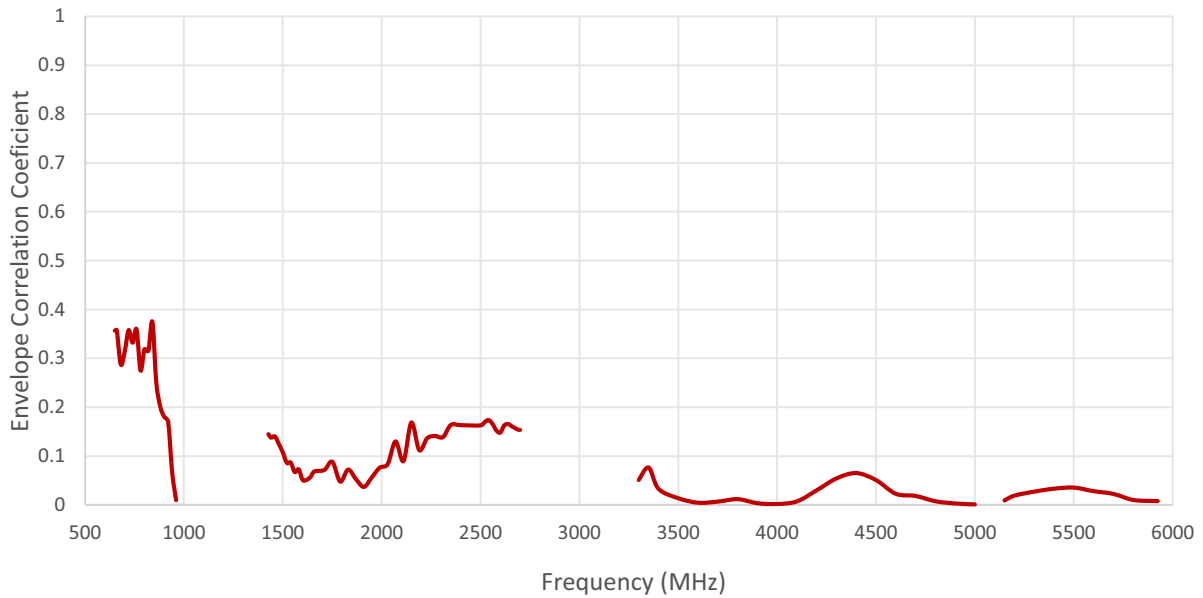
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 3**



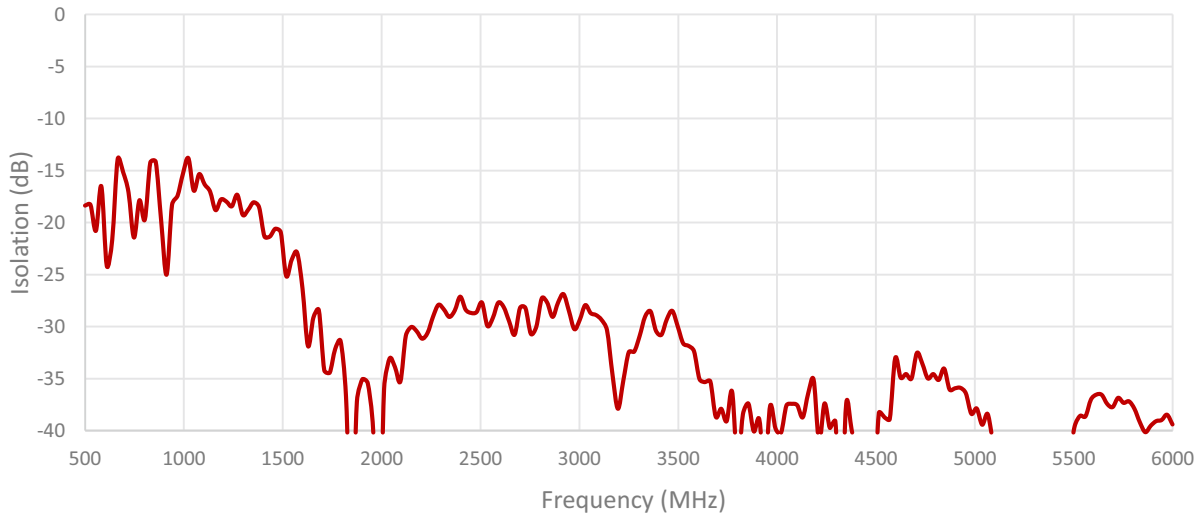
**ISOLATION FOR CABLES 1 AND 4**



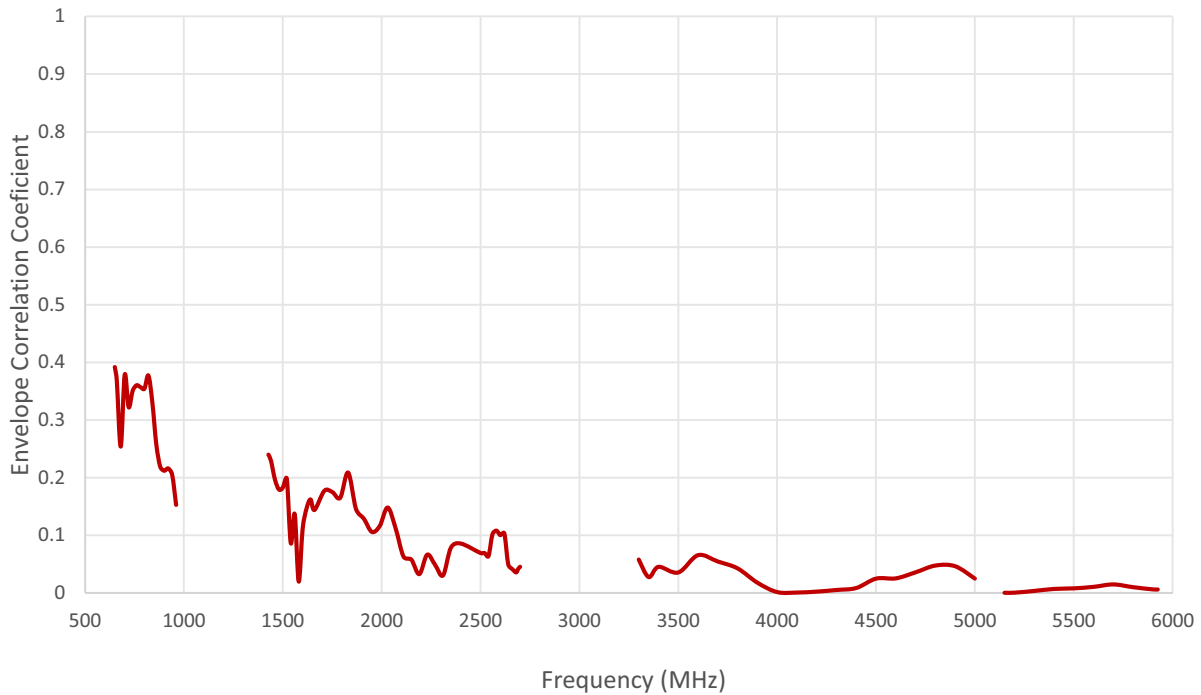
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 4**



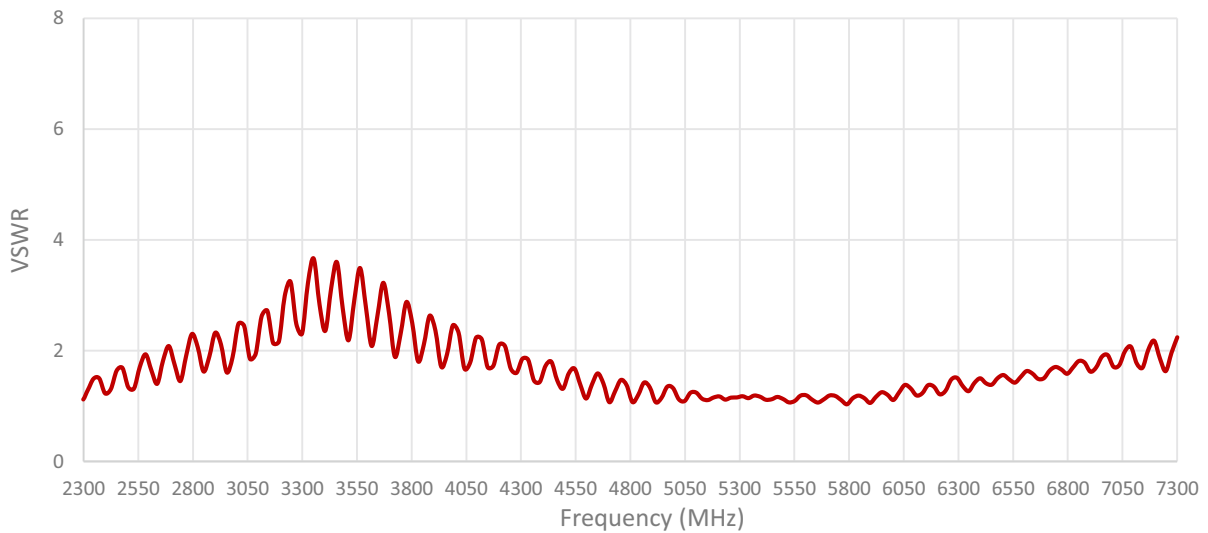
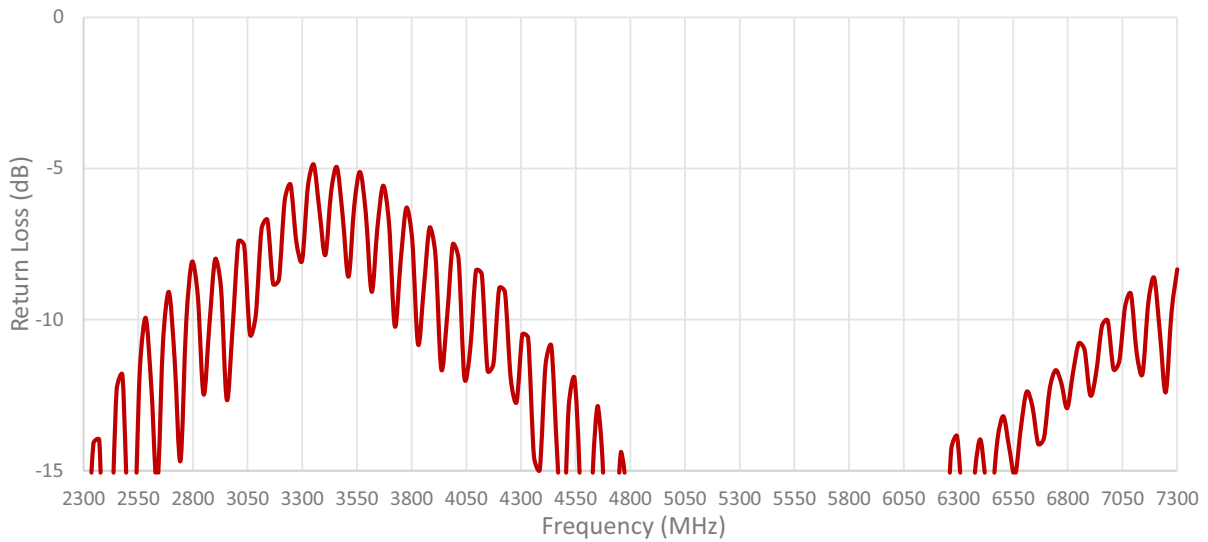
**ISOLATION FOR CABLES 2 AND 3**

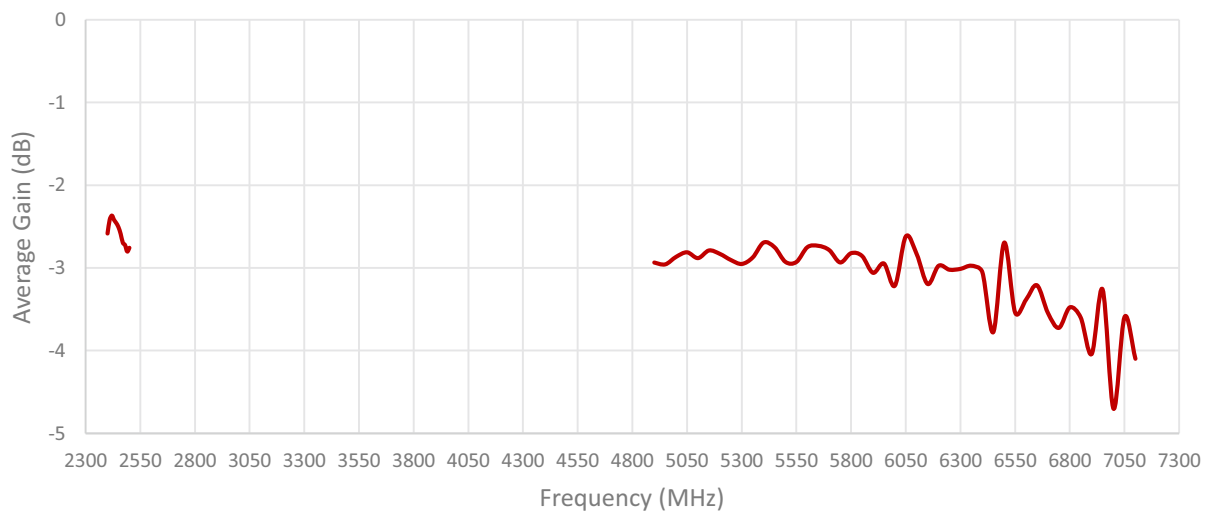
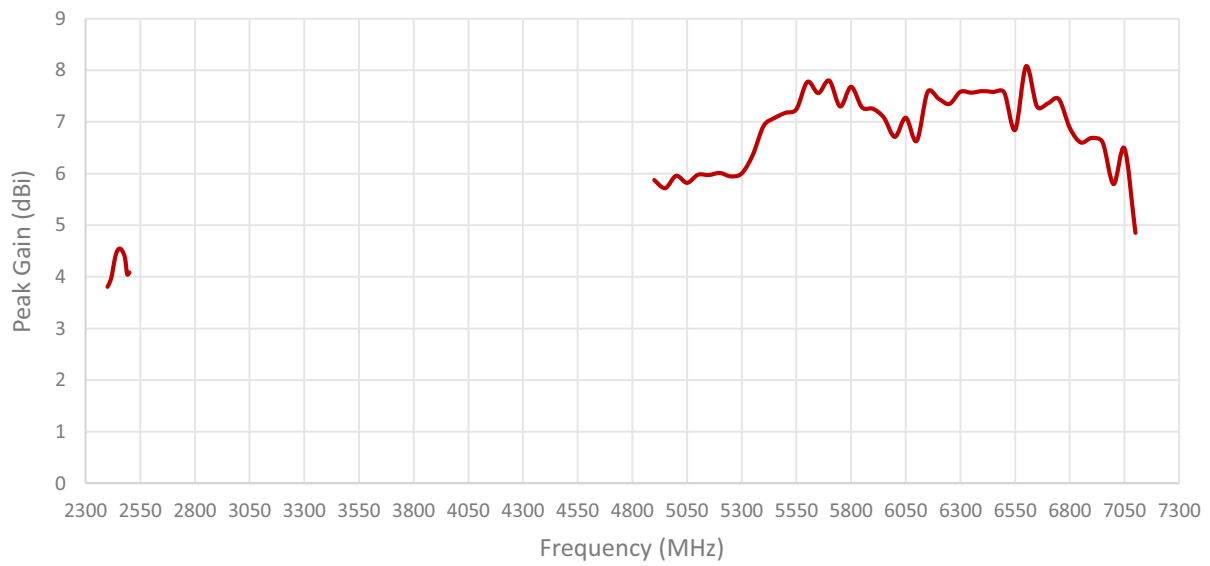
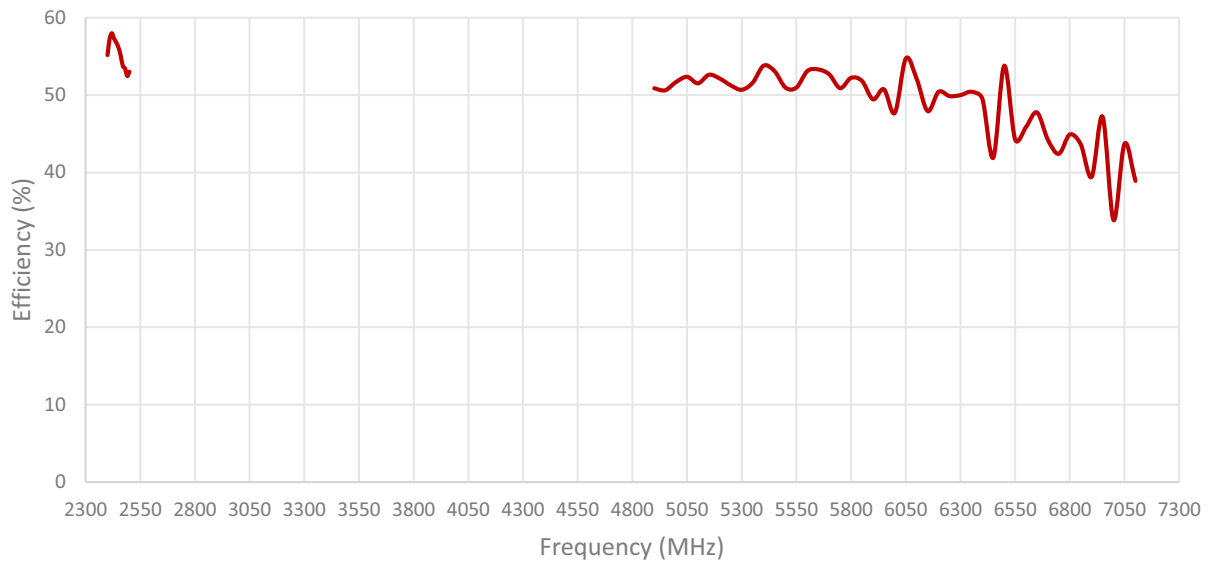


**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 2 AND 3**

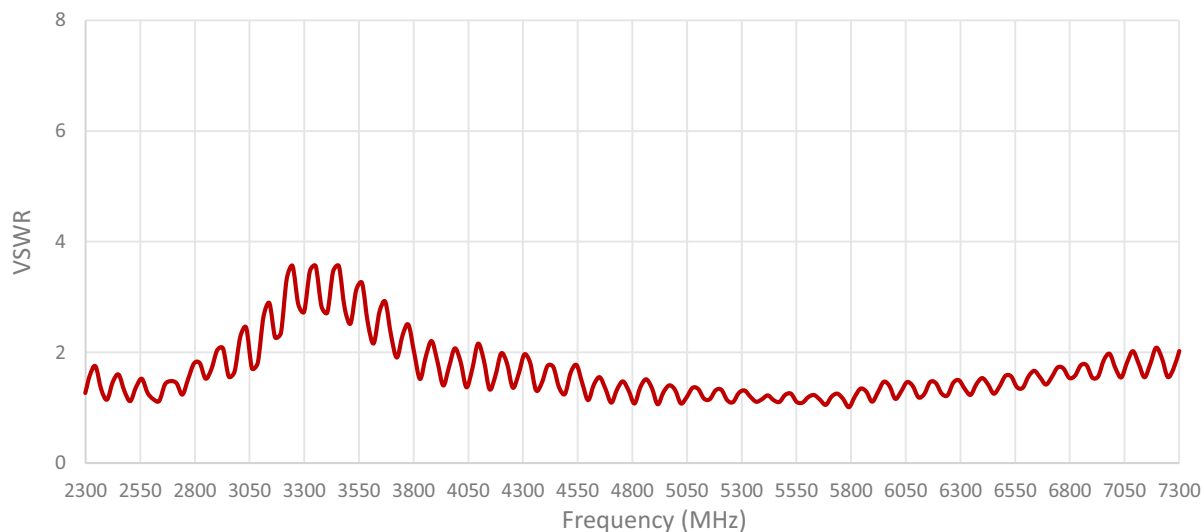
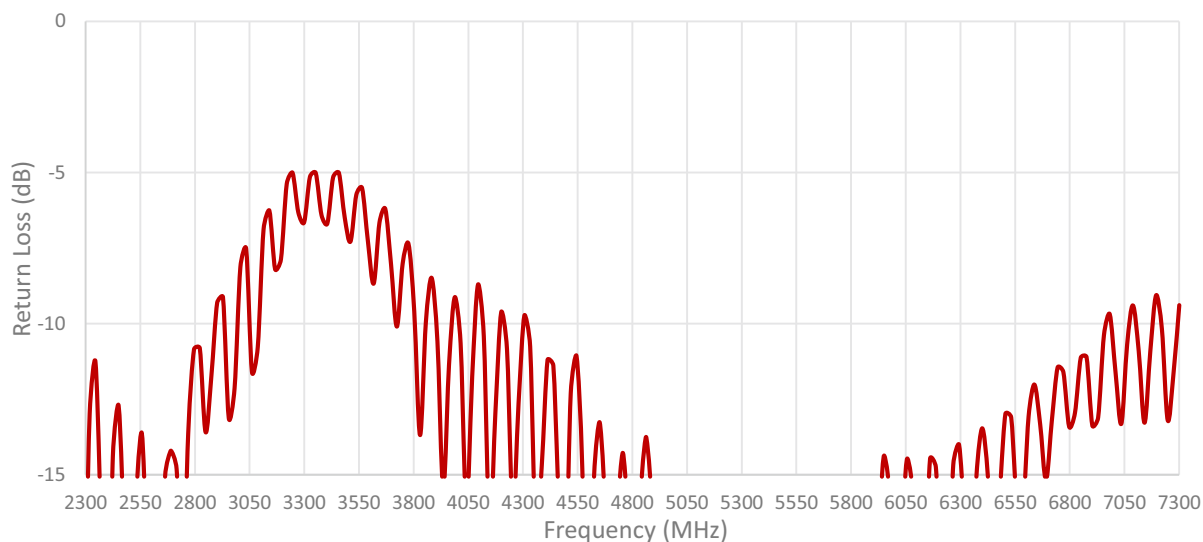


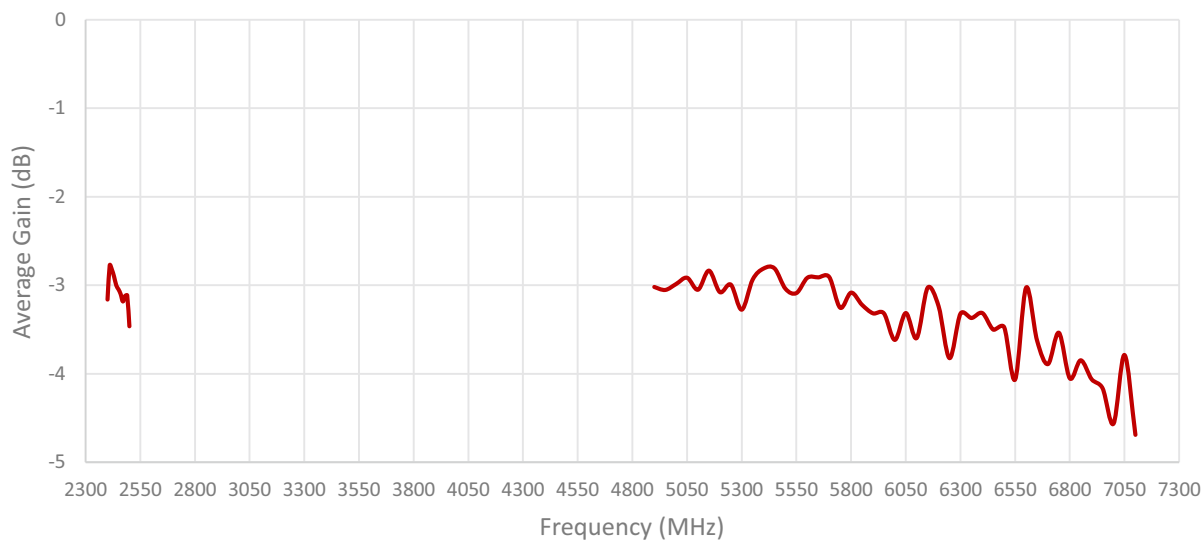
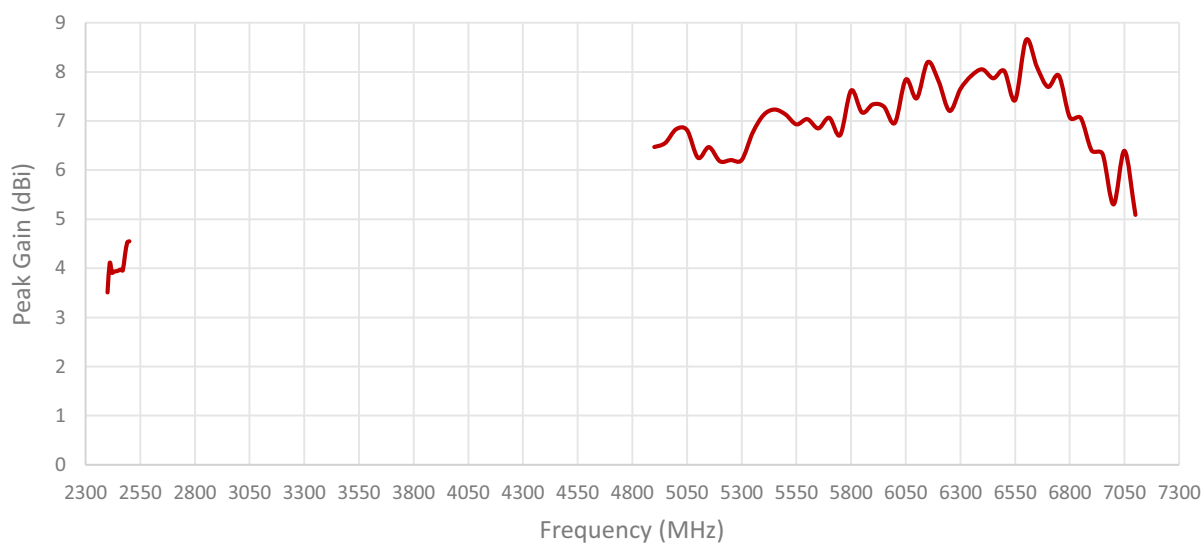
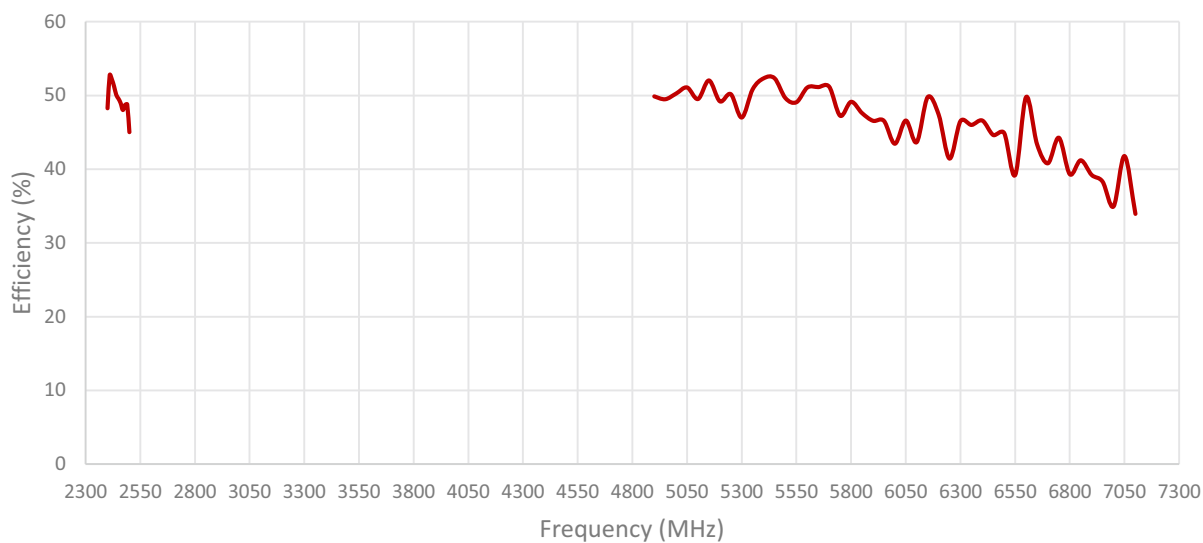
**Cable 5: 2.4/5.0/6.0 GHz ISM**





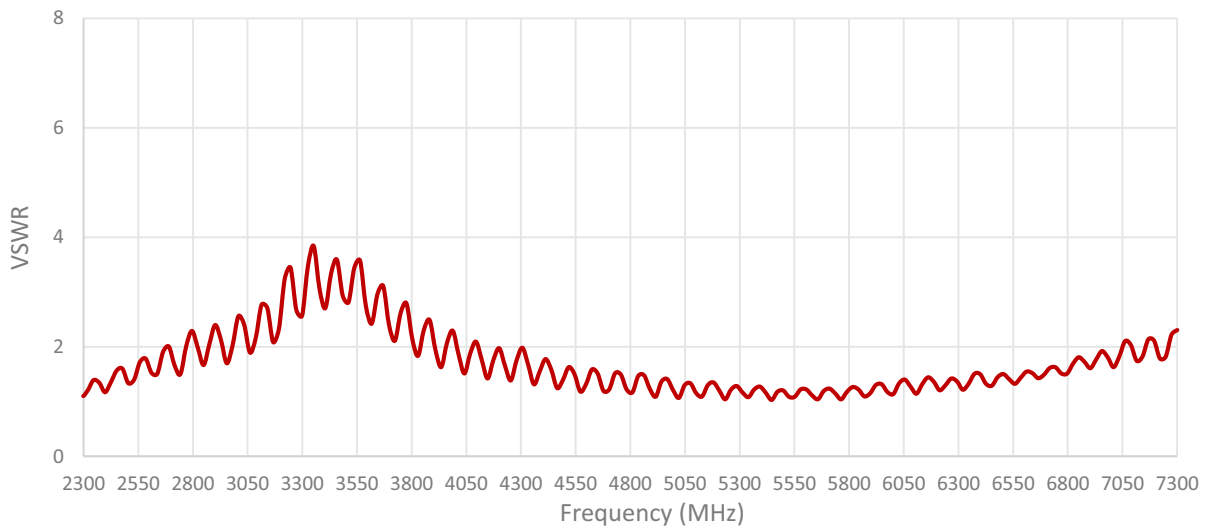
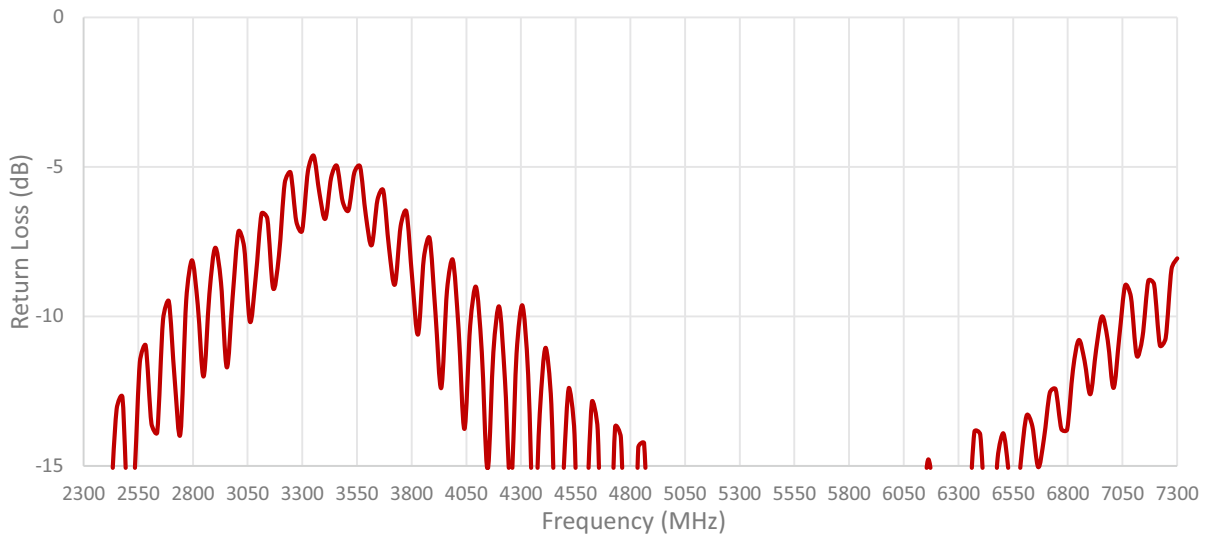
**Cable 6: 2.4/5.0/6.0 GHz ISM**

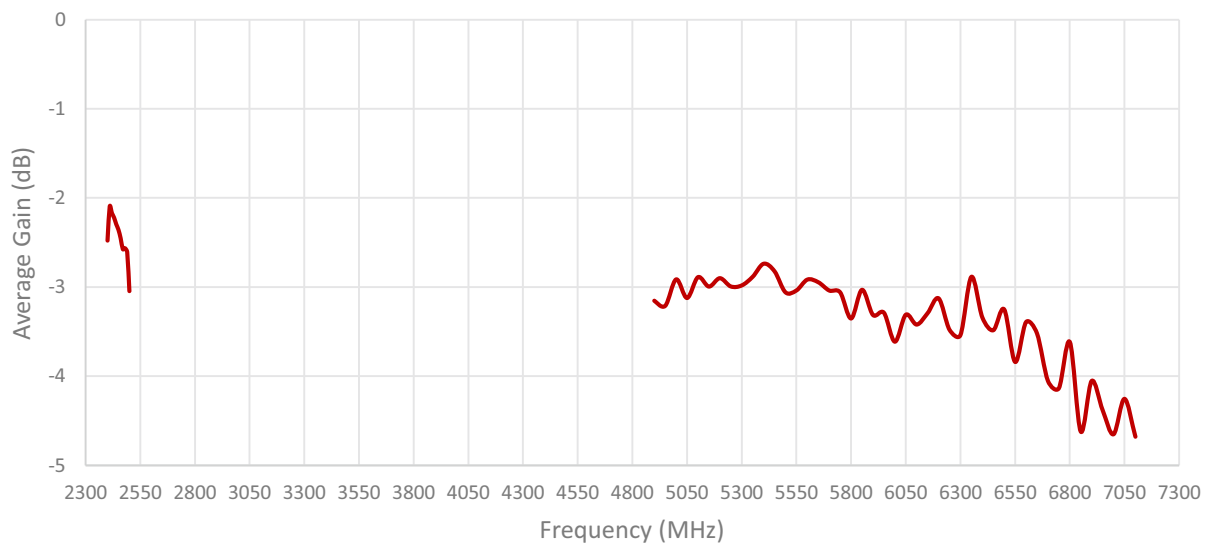
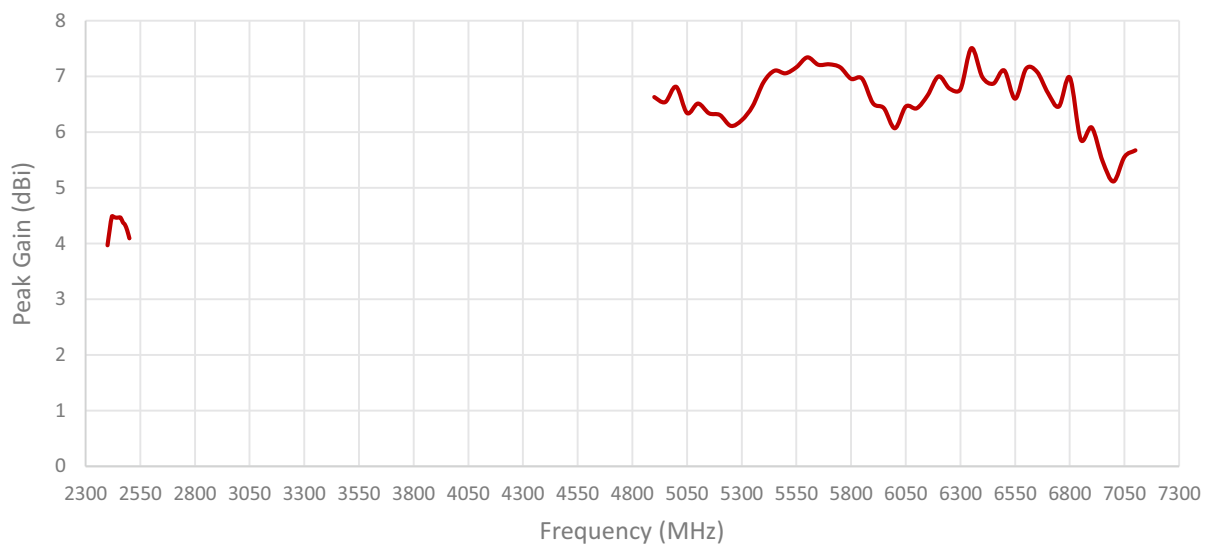
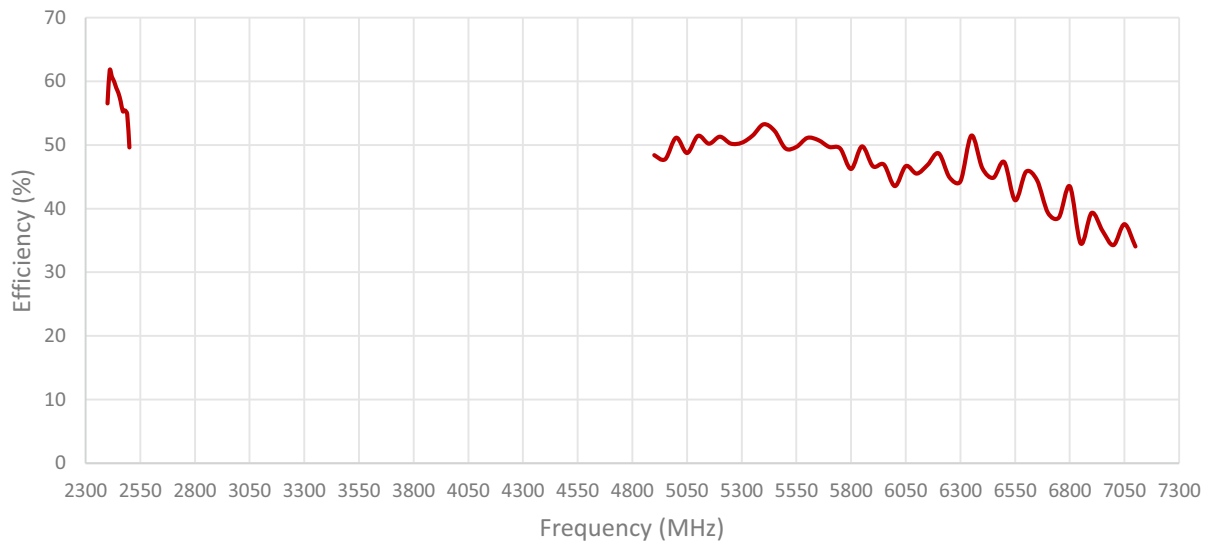




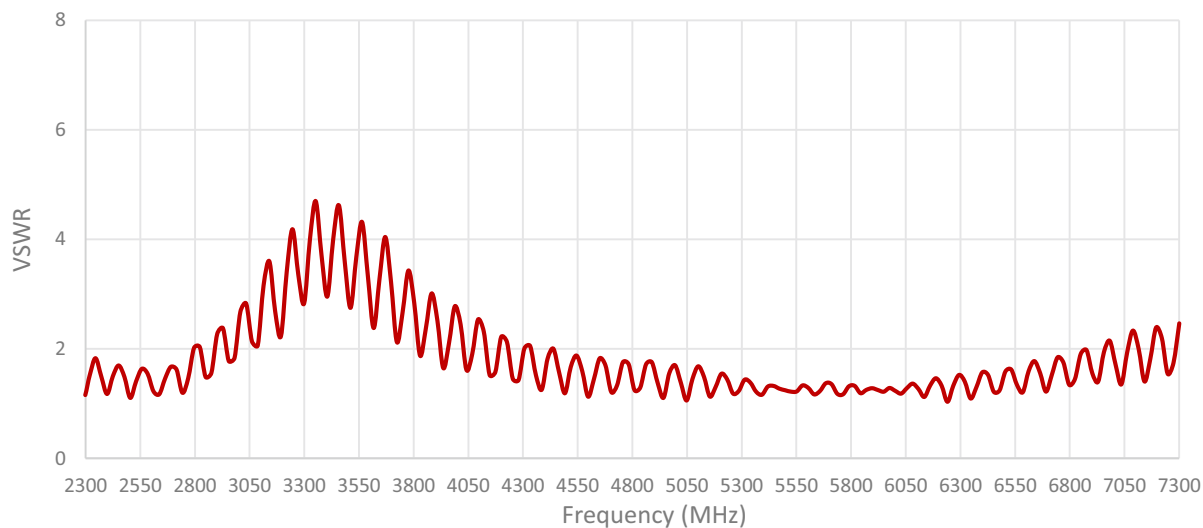
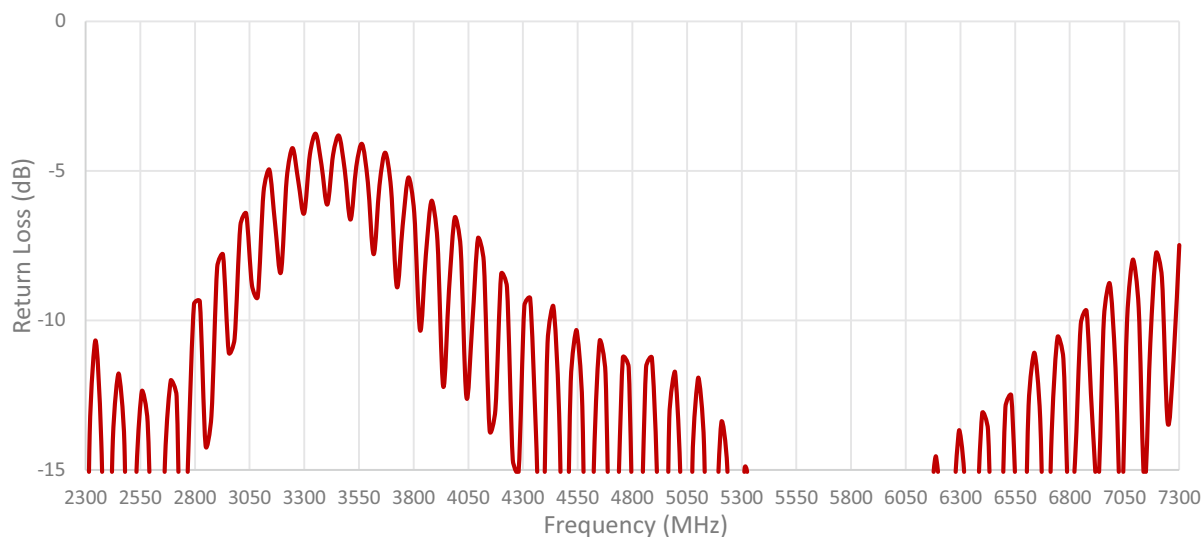


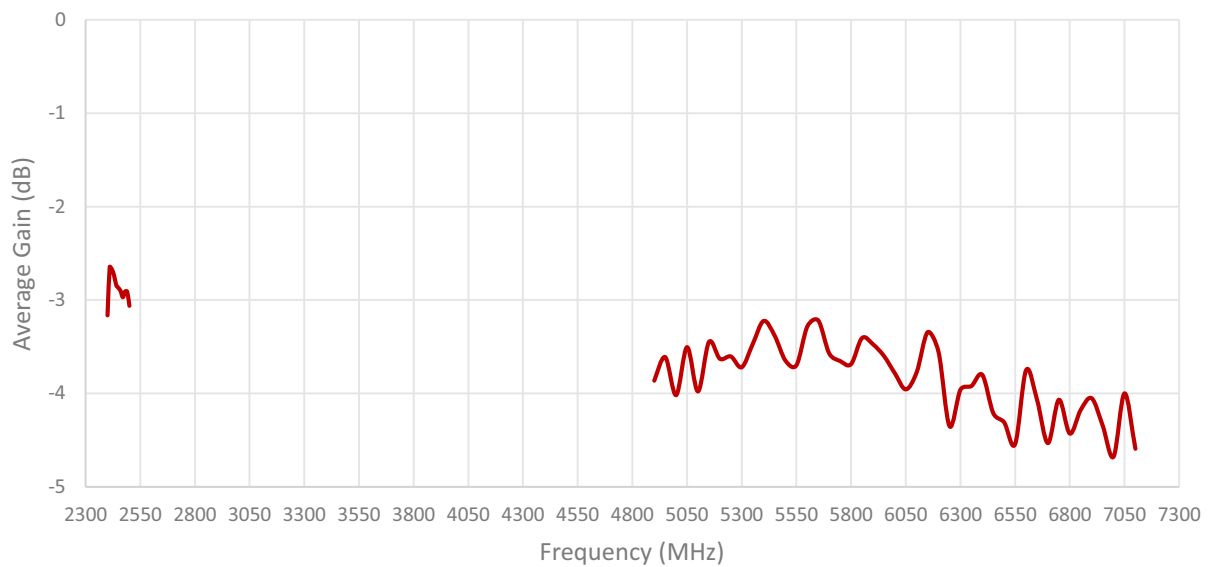
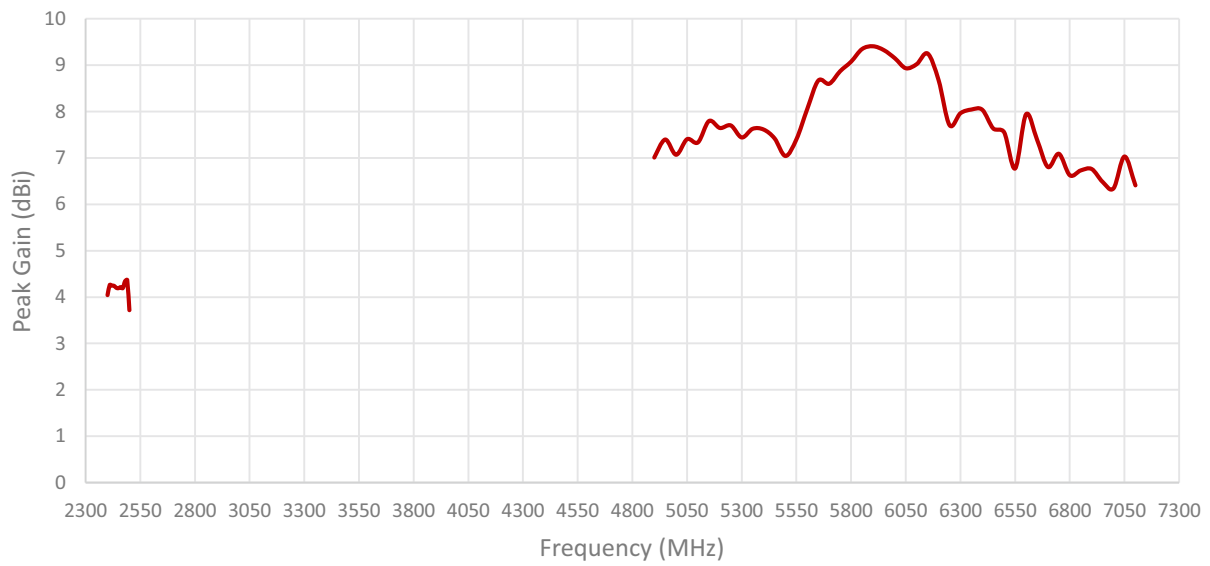
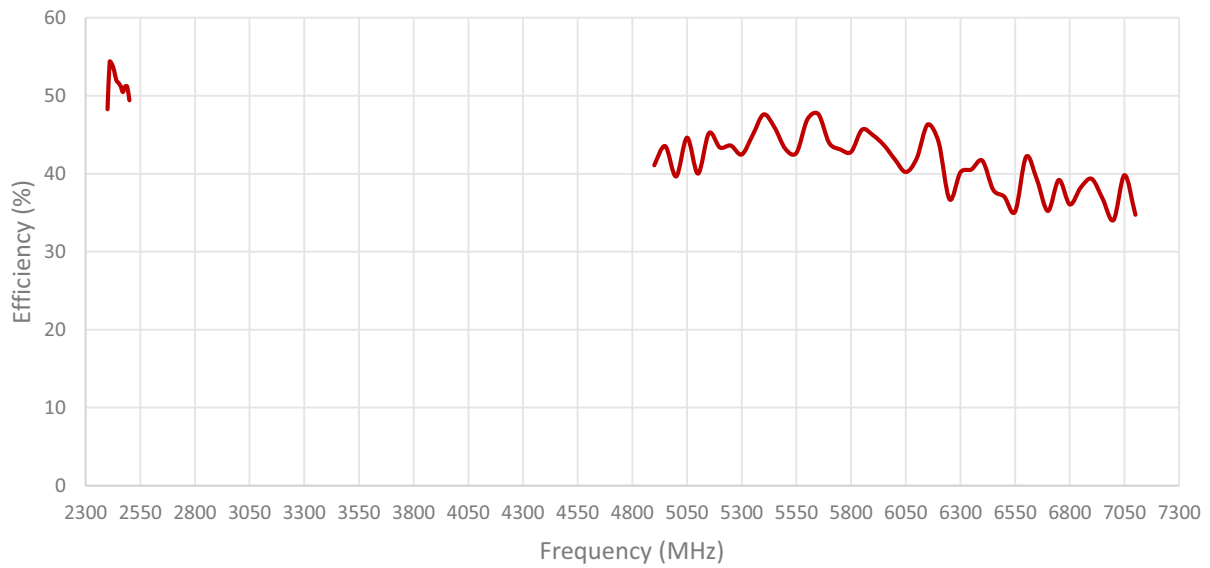
**Cable 7: 2.4/5.0/6.0 GHz ISM**



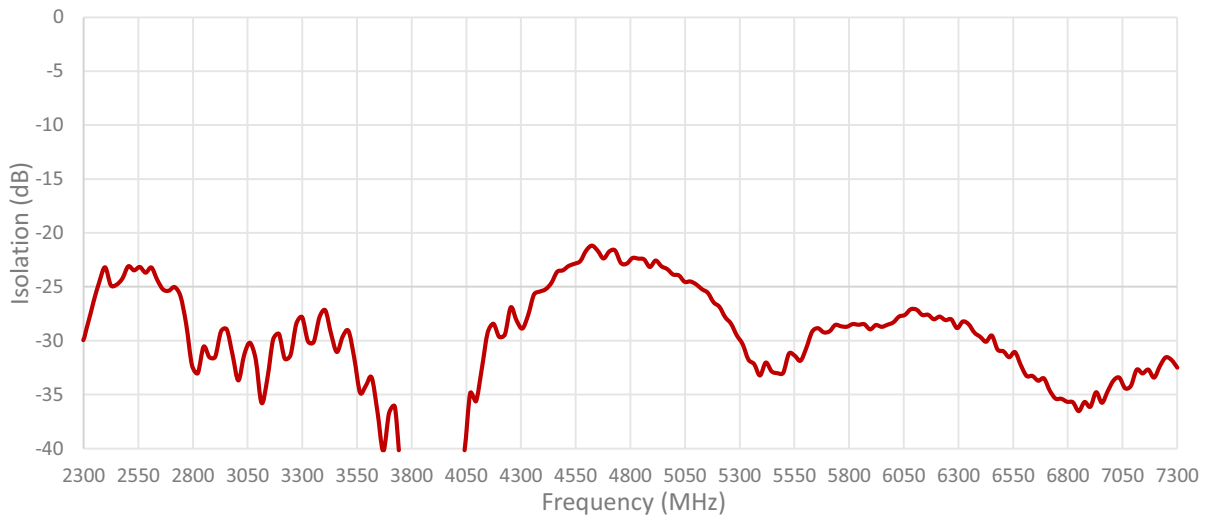


**Cable 8: 2.4/5.0/6.0 GHz ISM**

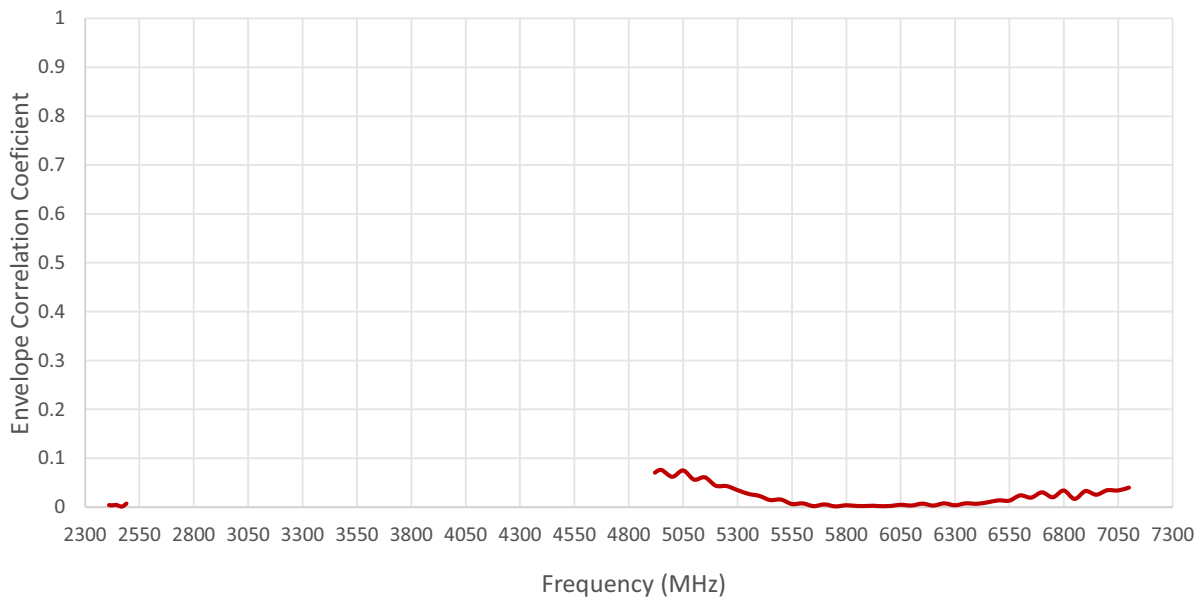




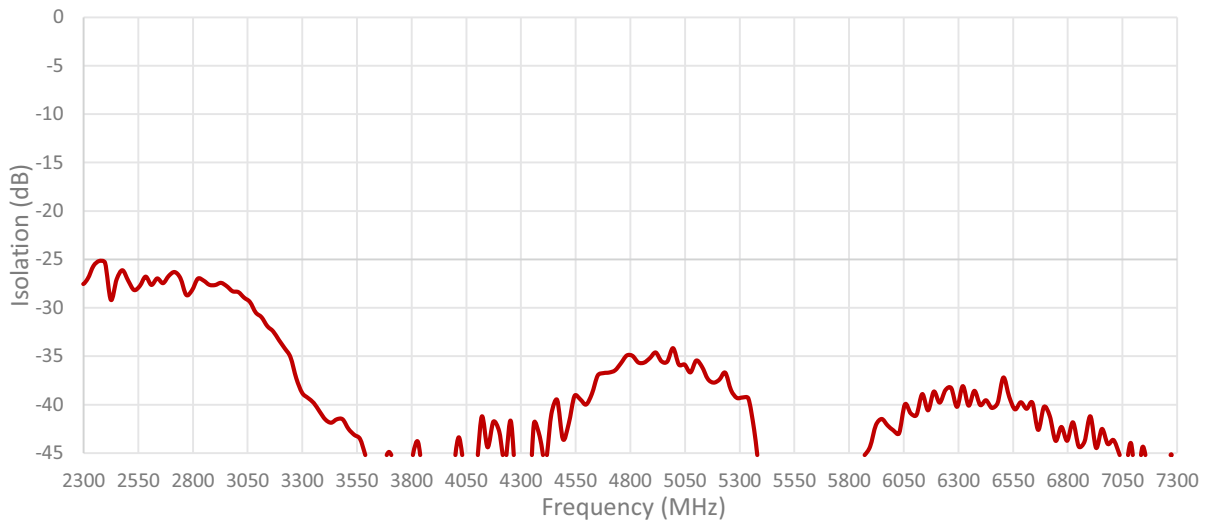
**ISOLATION FOR CABLES 5 AND 6**



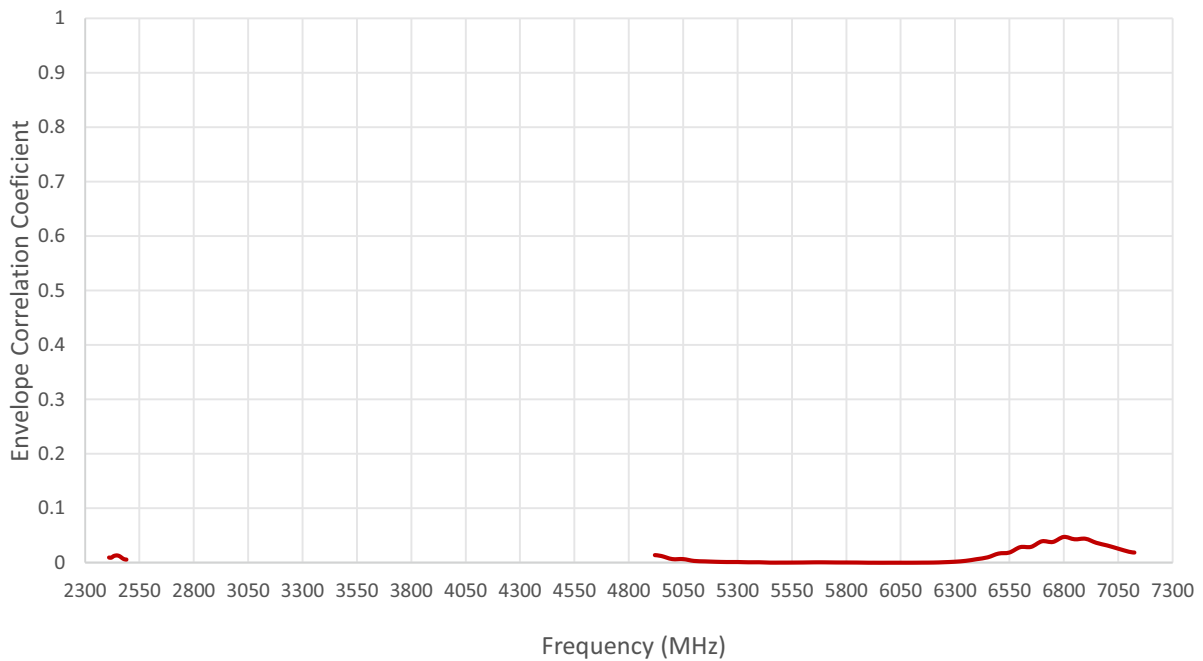
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 5 AND 6**



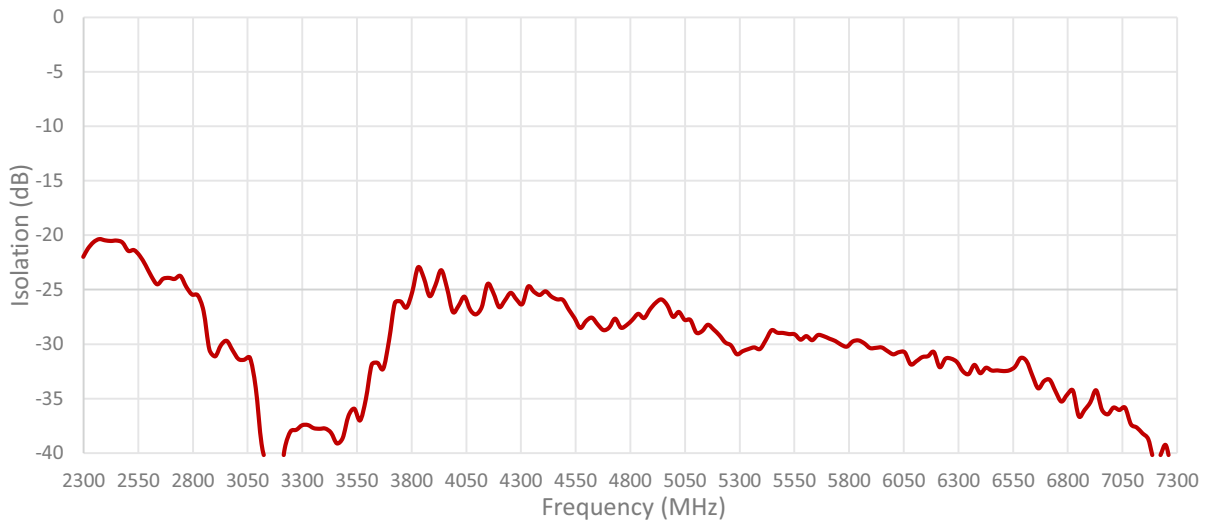
**ISOLATION FOR CABLES 5 AND 7**



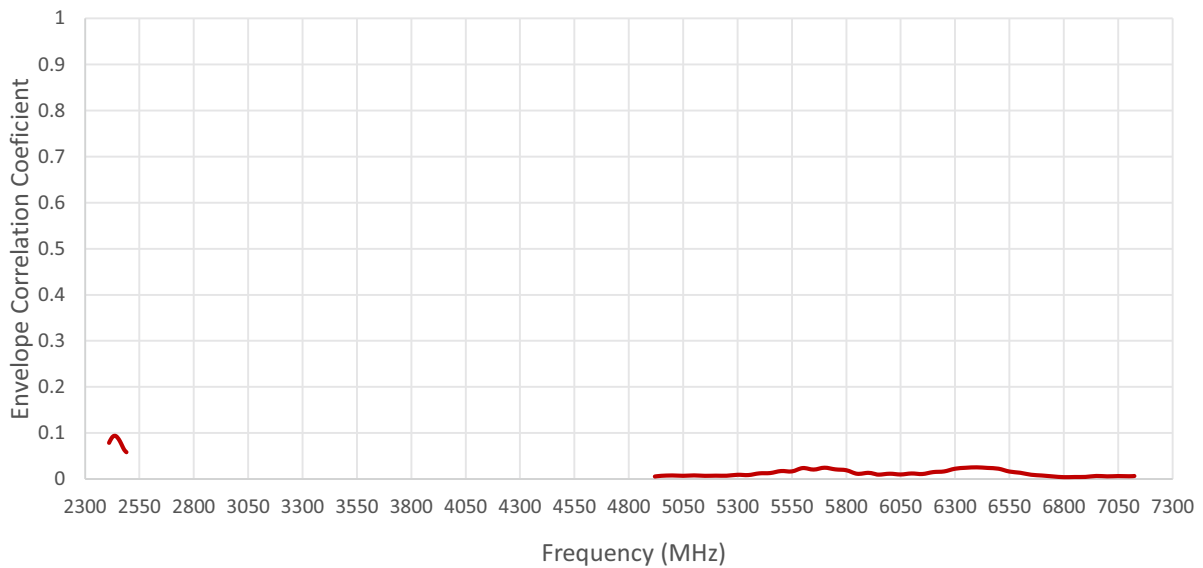
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 5 AND 7**



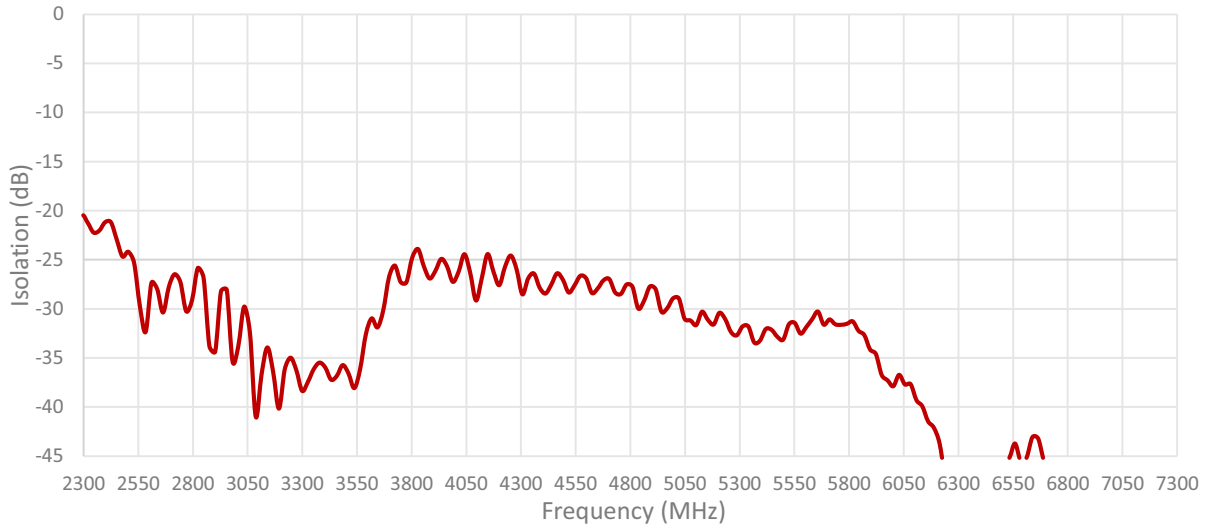
**ISOLATION FOR CABLES 5 AND 8**



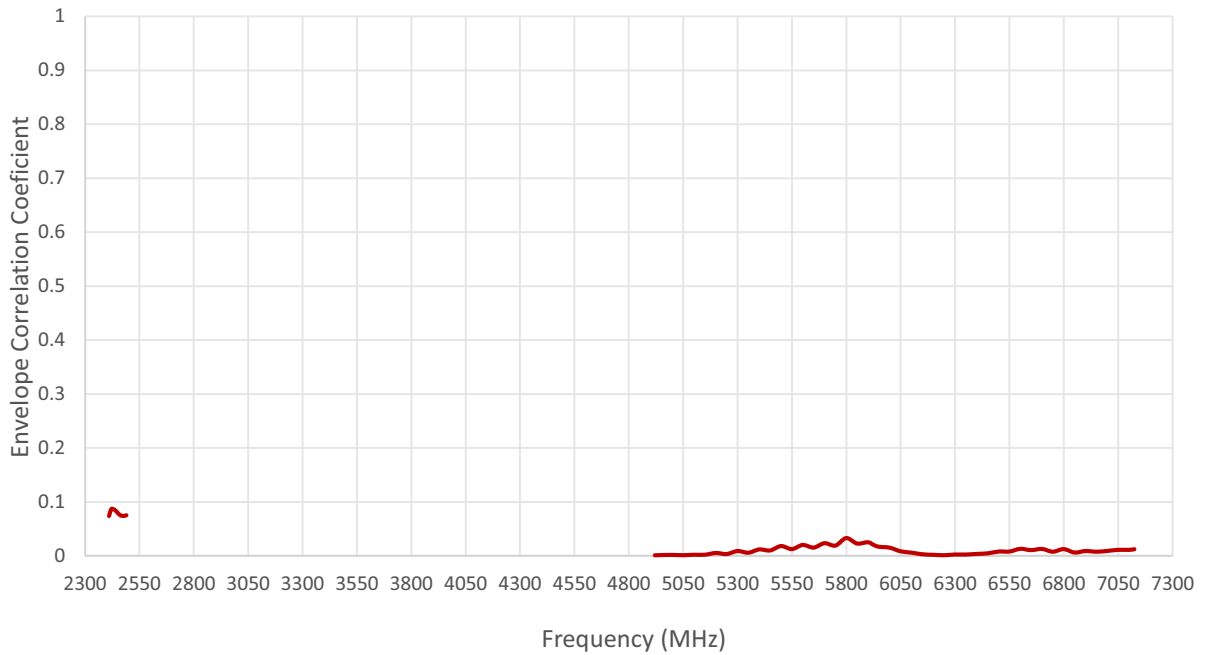
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 5 AND 8**



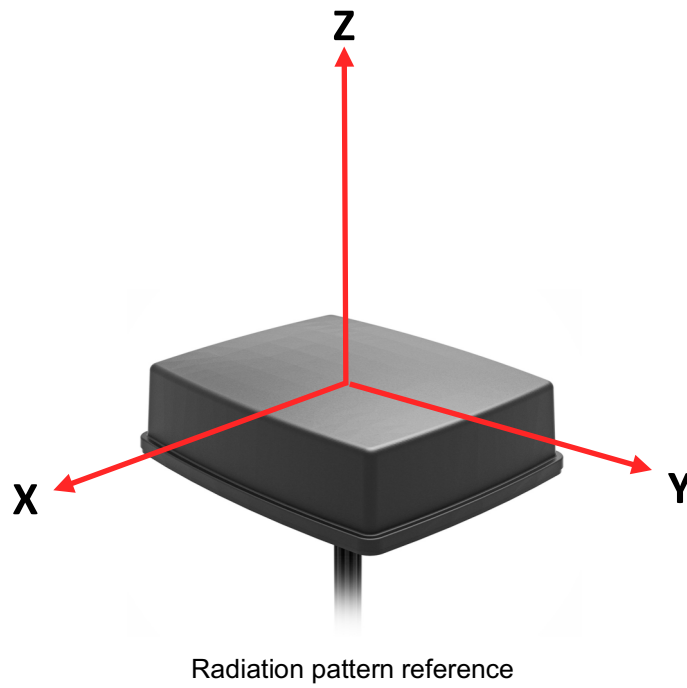
**ISOLATION FOR CABLES 6 AND 7**



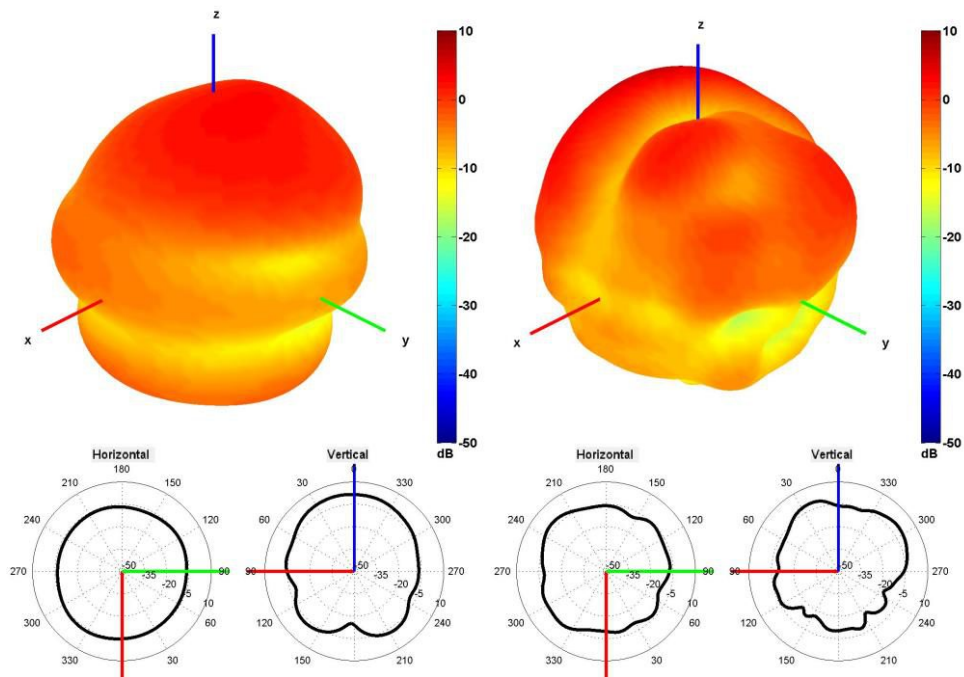
**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 6 AND 7**



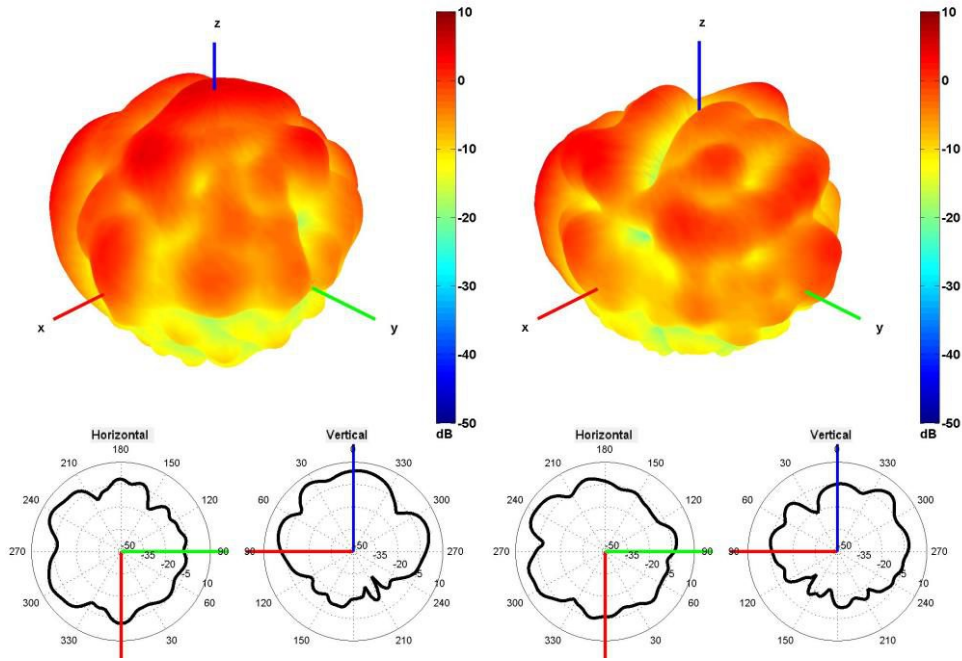




Cable 1: 5GNR

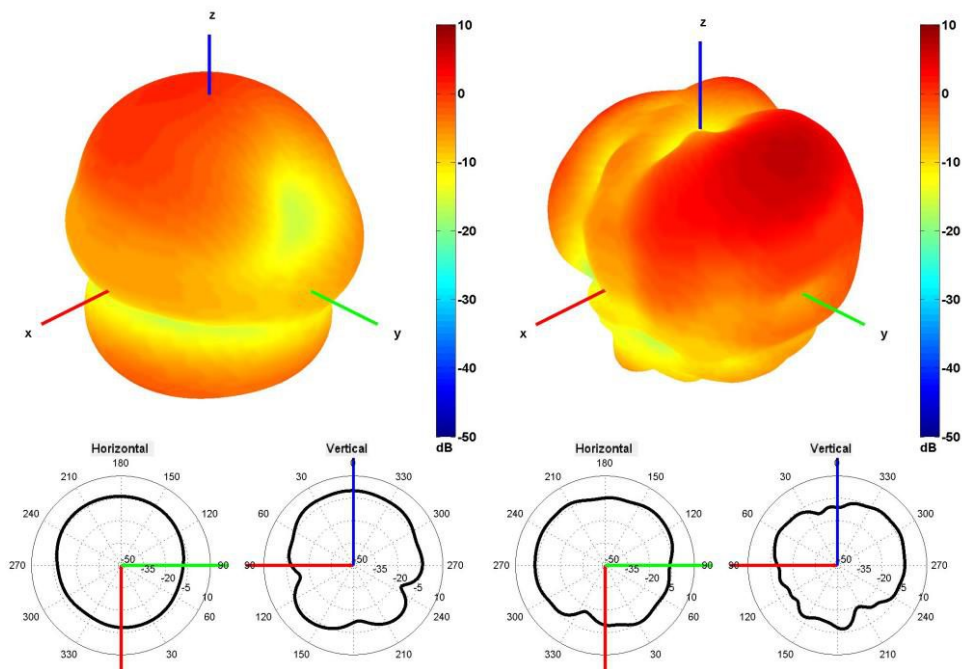


750 and 2500 MHz Radiation pattern

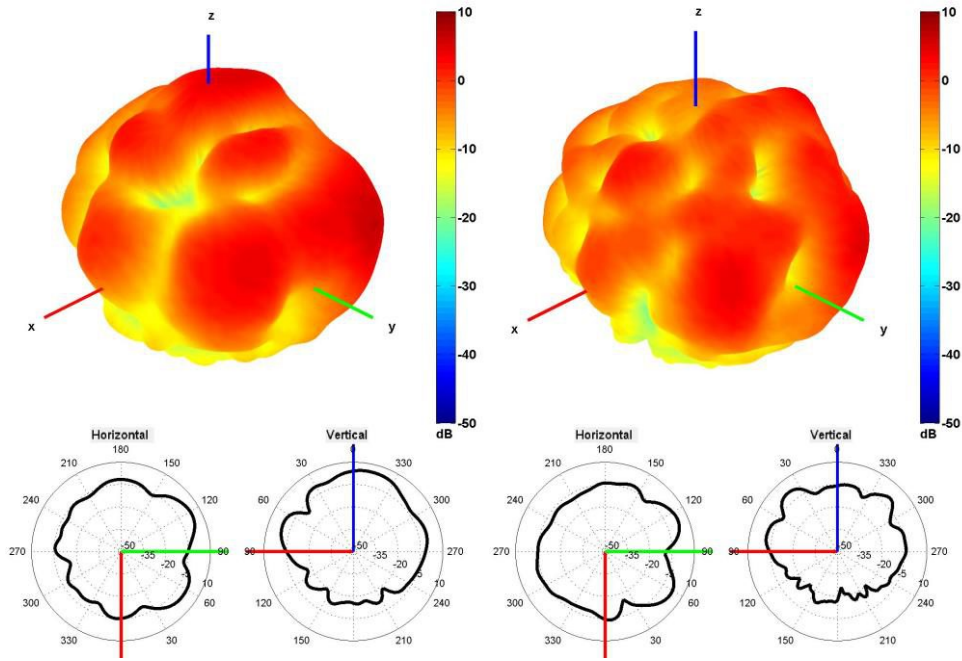


4500 and 5500 MHz Radiation pattern

Cable 2: 5GNR

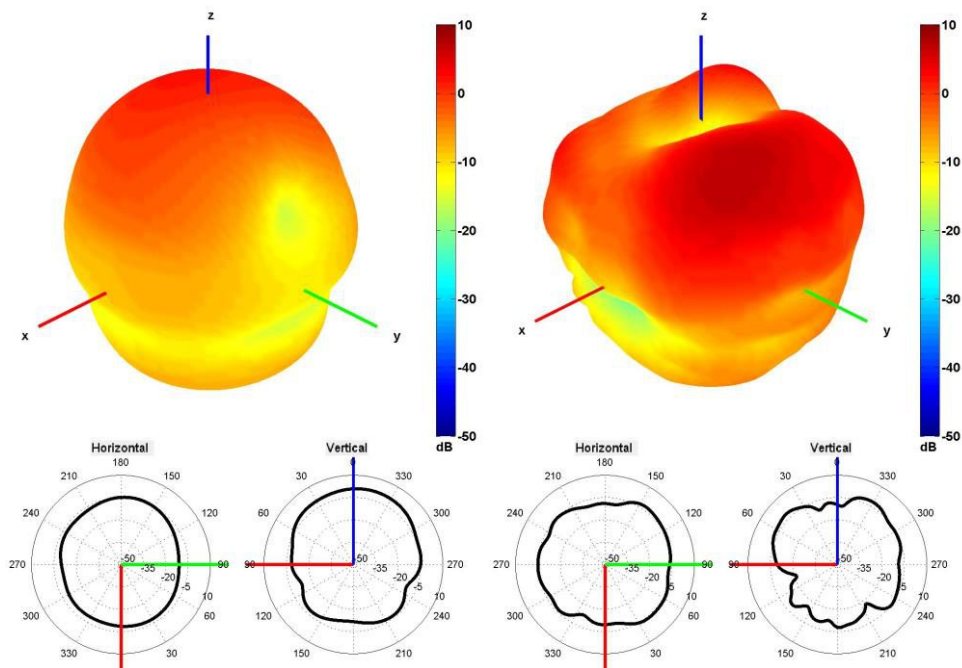


750 and 2500 MHz Radiation pattern

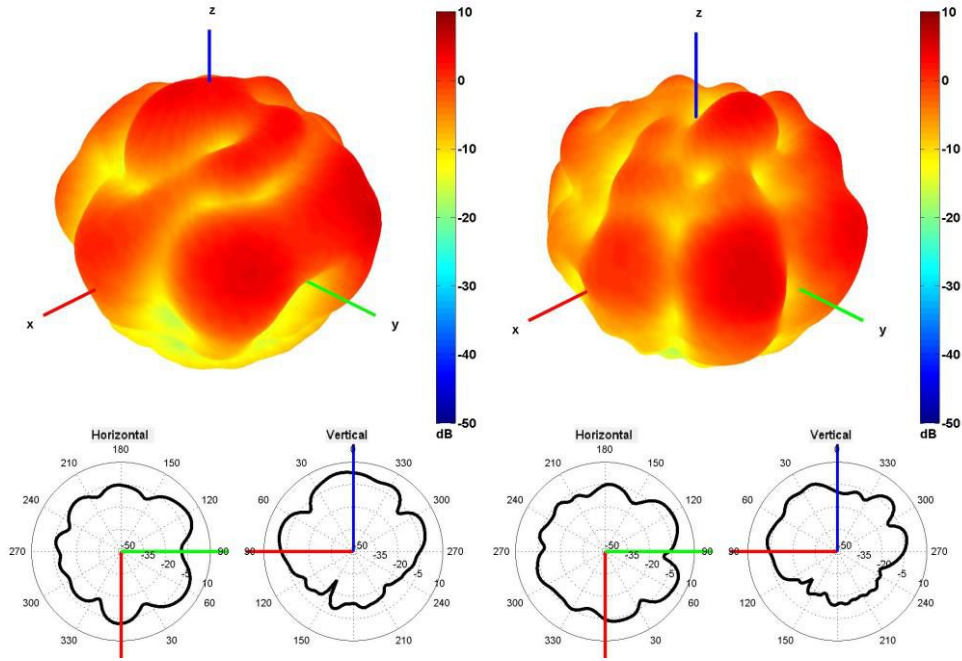


4500 and 5500 MHz Radiation pattern

Cable 3: 5GNR

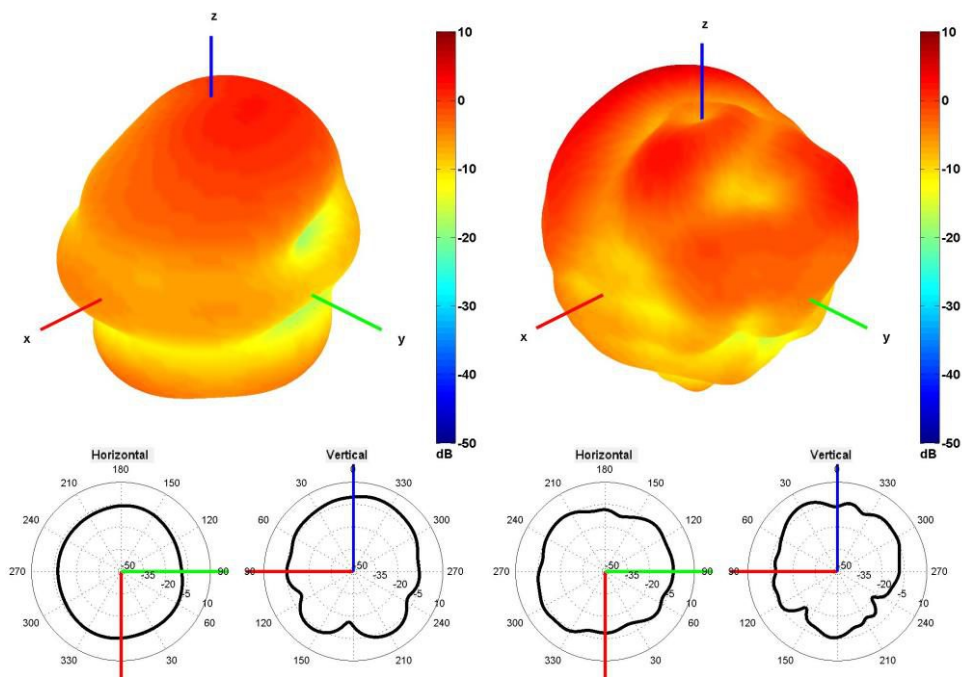


750 and 2500 MHz Radiation pattern

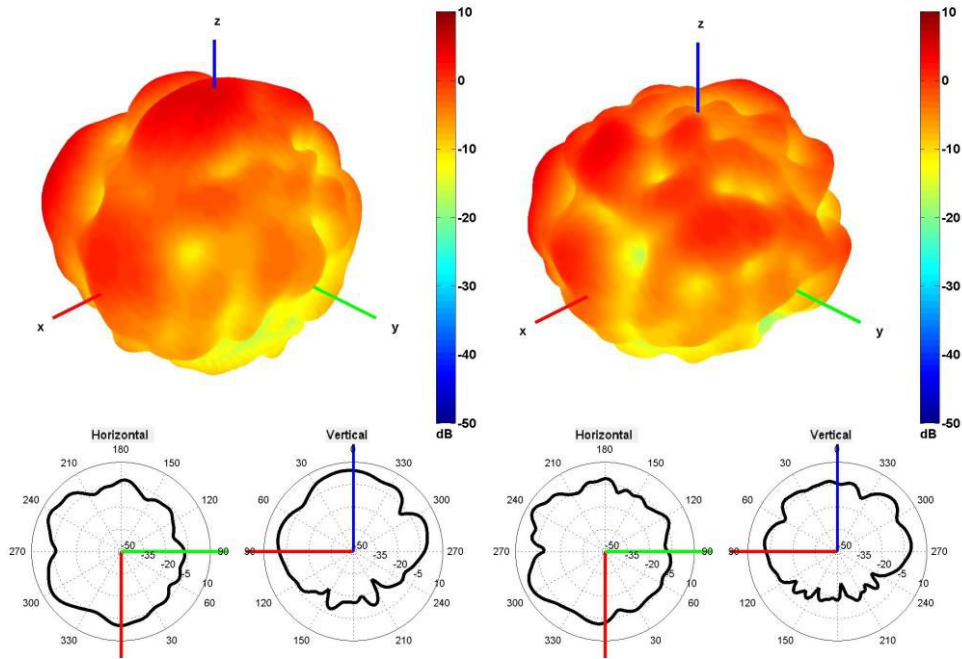


4500 and 5500 MHz Radiation pattern

Cable 4: 5GNR

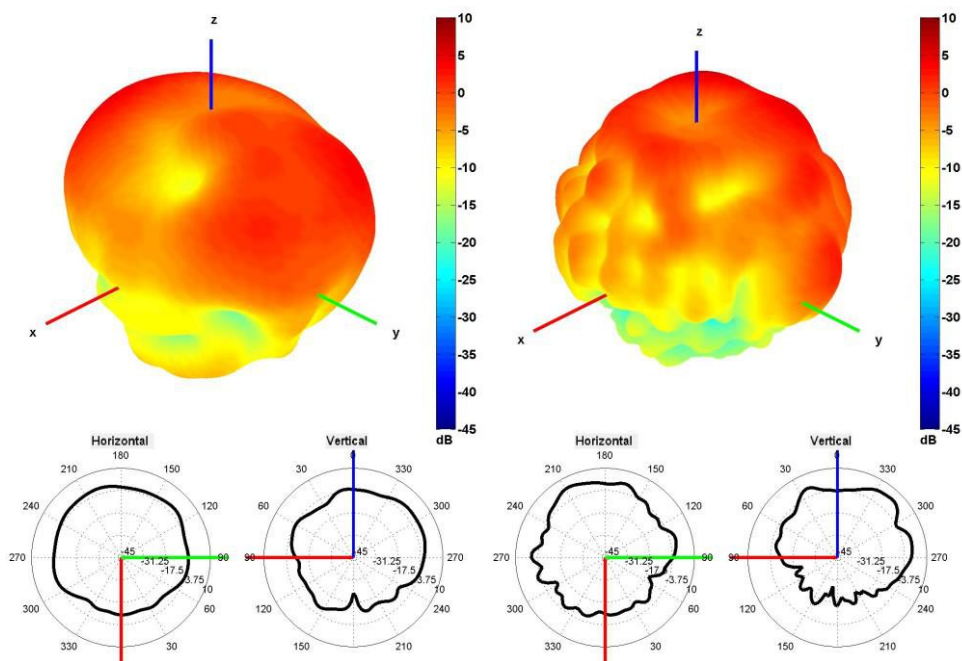


750 and 2500 MHz Radiation pattern

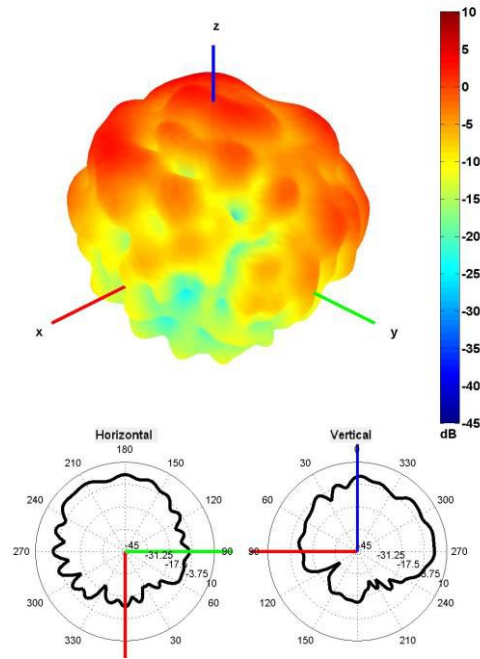


4500 and 5500 MHz Radiation pattern

Cable 5: 2.4/5.0/6.0 GHz ISM

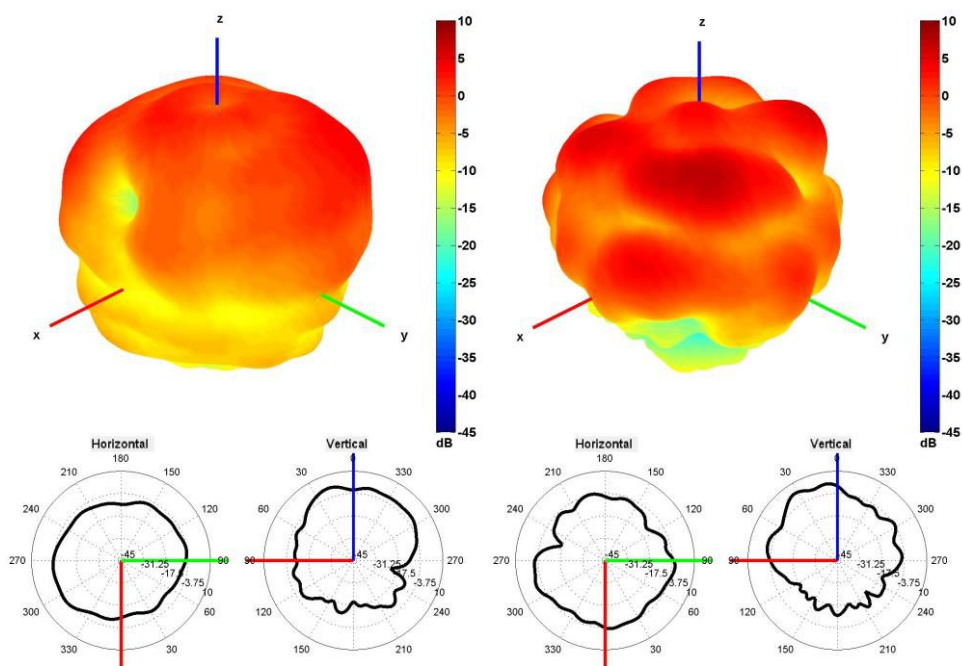


2450 and 5500 MHz Radiation pattern

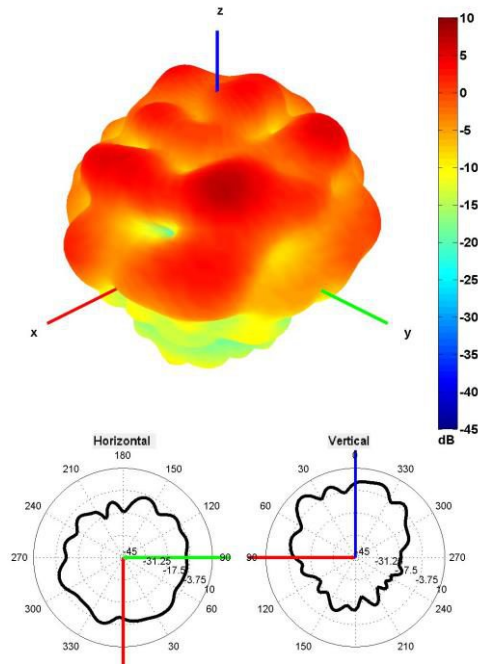


6500 MHz Radiation pattern

Cable 6: 2.4/5.0/6.0 GHz ISM

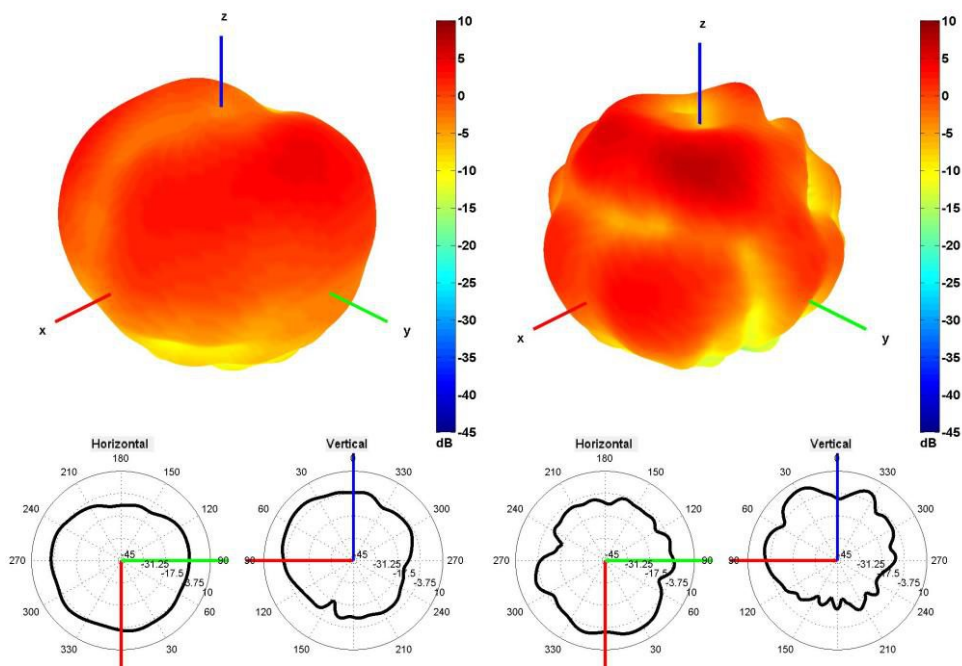


2450 and 5500 MHz Radiation pattern

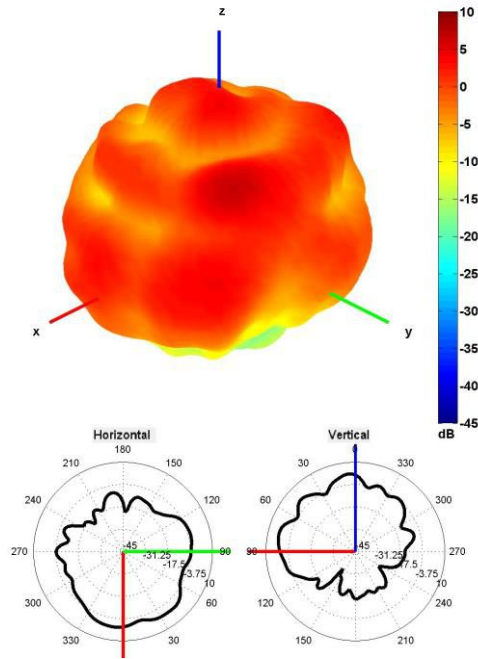


6500 MHz Radiation pattern

Cable 7: 2.4/5.0/6.0 GHz ISM

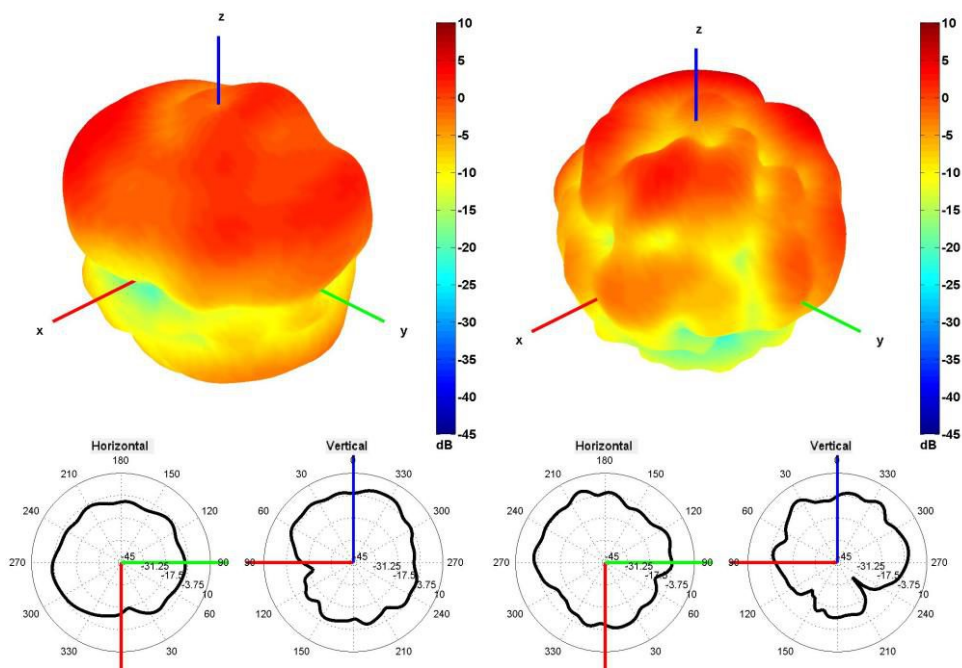


2450 and 5500 MHz Radiation pattern



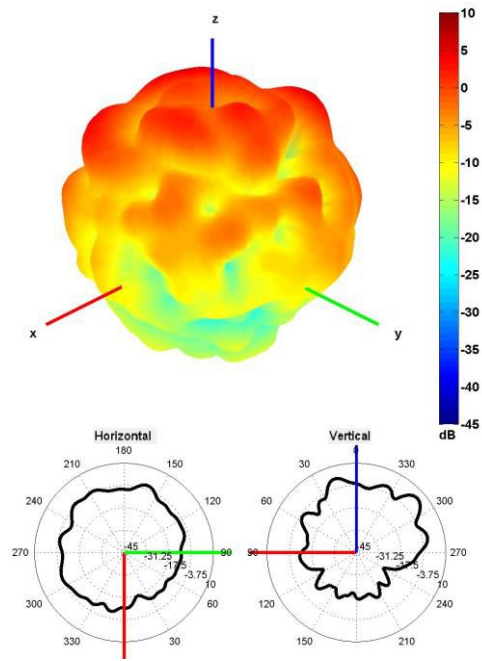
6500 MHz Radiation pattern

Cable 8: 2.4/5.0/6.0 GHz ISM



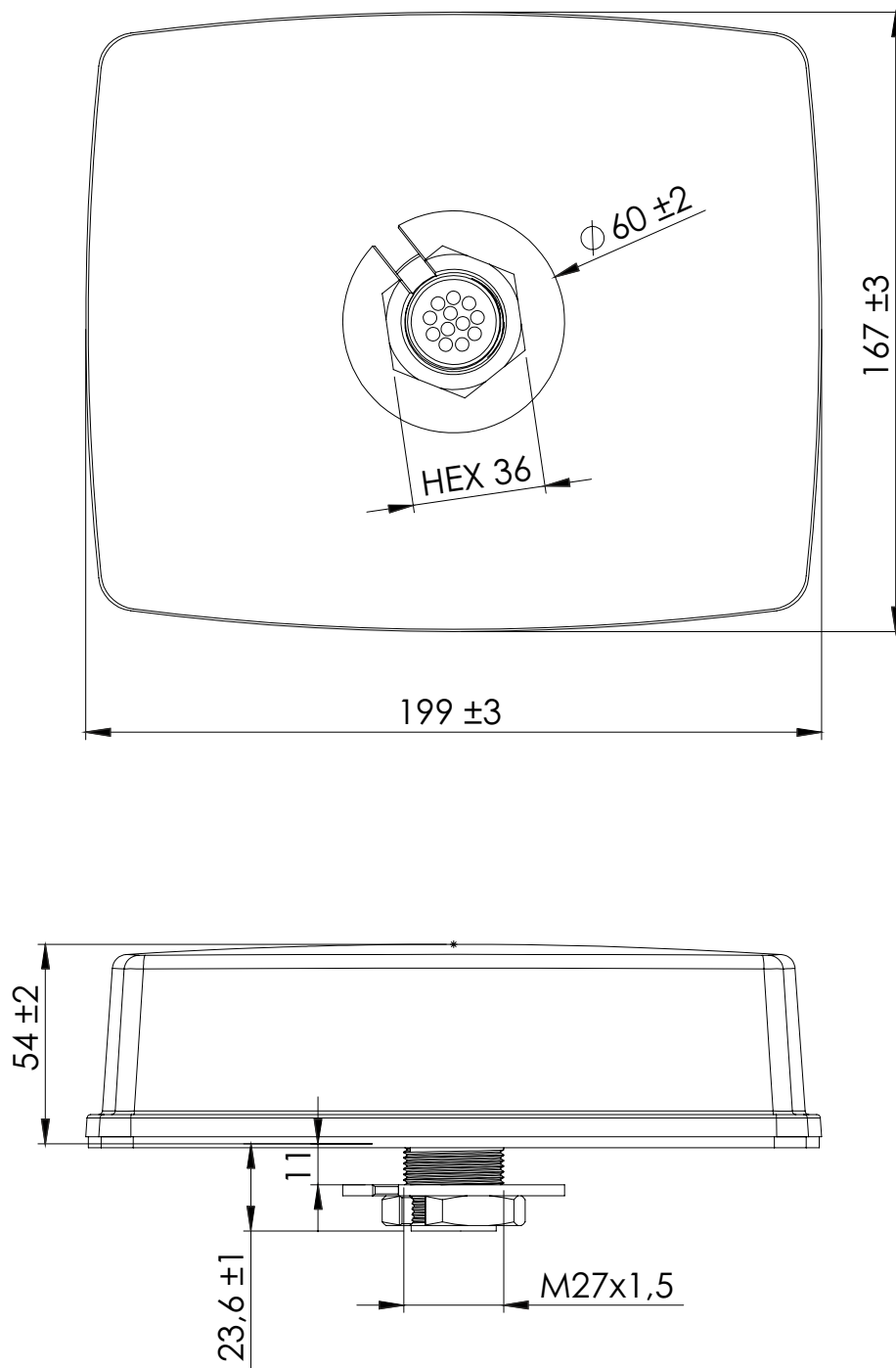
2450 and 5500 MHz Radiation pattern





6500 MHz Radiation pattern

## 4. Antenna drawings



Max. mounting thickness 11mm  
Note: Dimensions are in millimeters  
\*Dimensions are after mounting

## 5. Antenna Images

