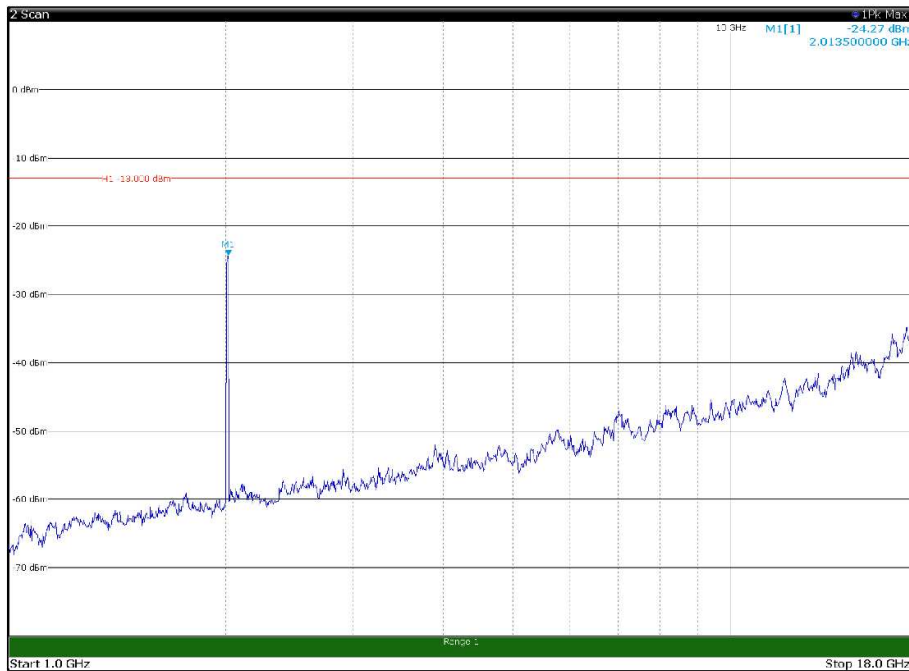
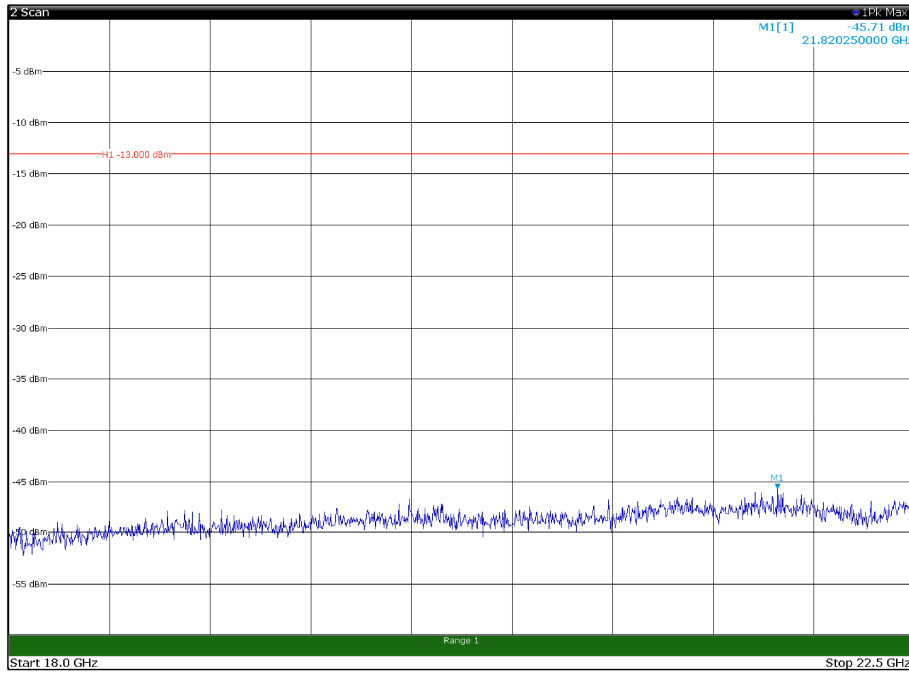


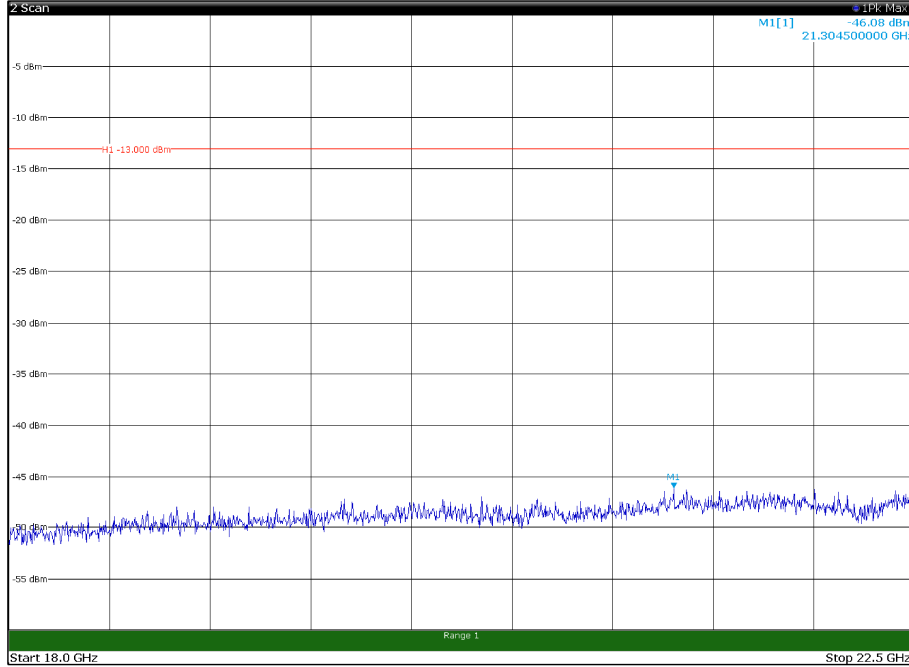
Channel: MIDDLE, Modulation: QPSK,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



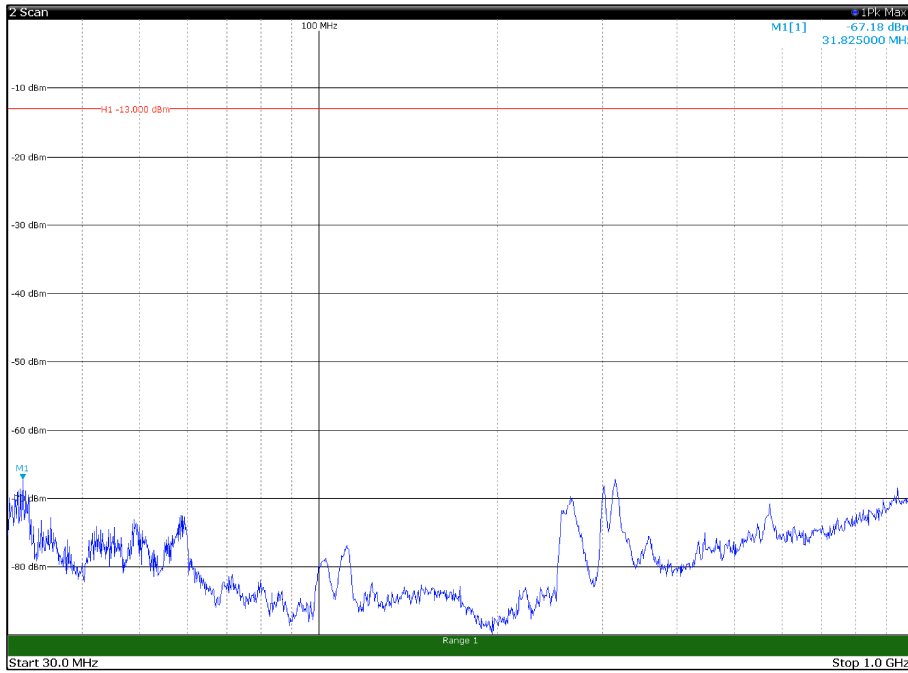
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BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



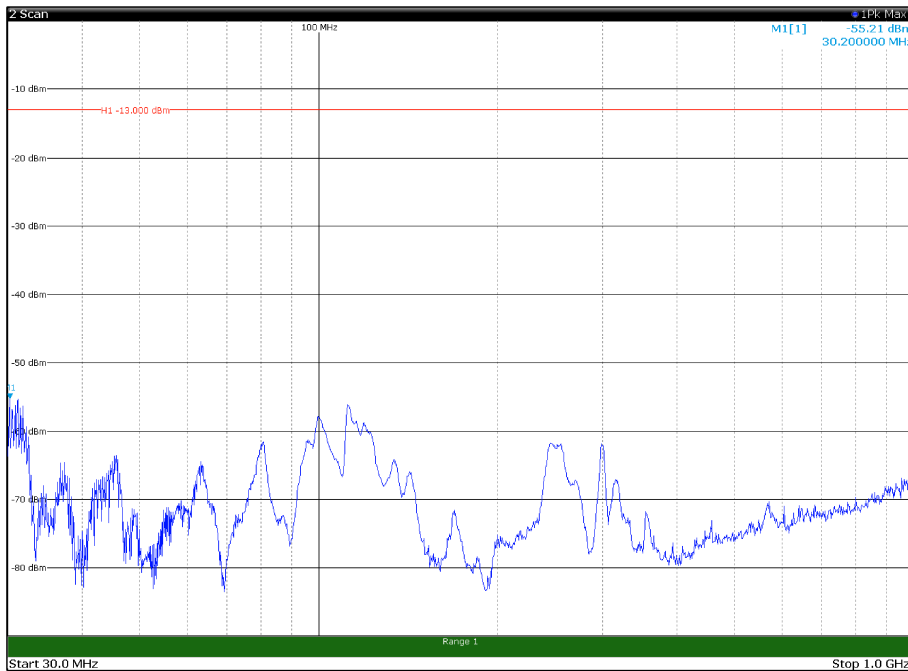
Channel: MIDDLE, Modulation: QPSK,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



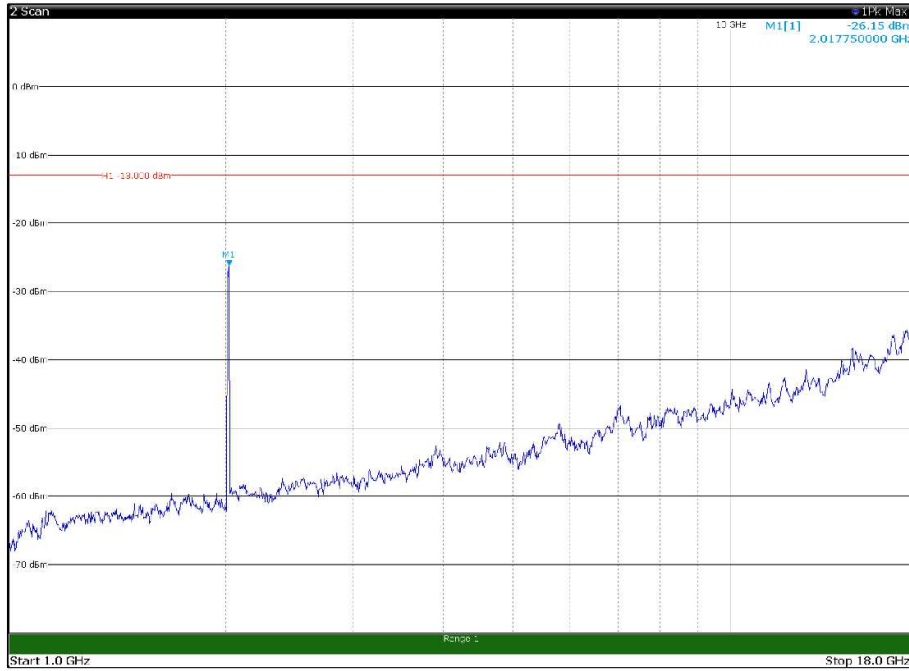
Channel: MIDDLE, Modulation: QPSK,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



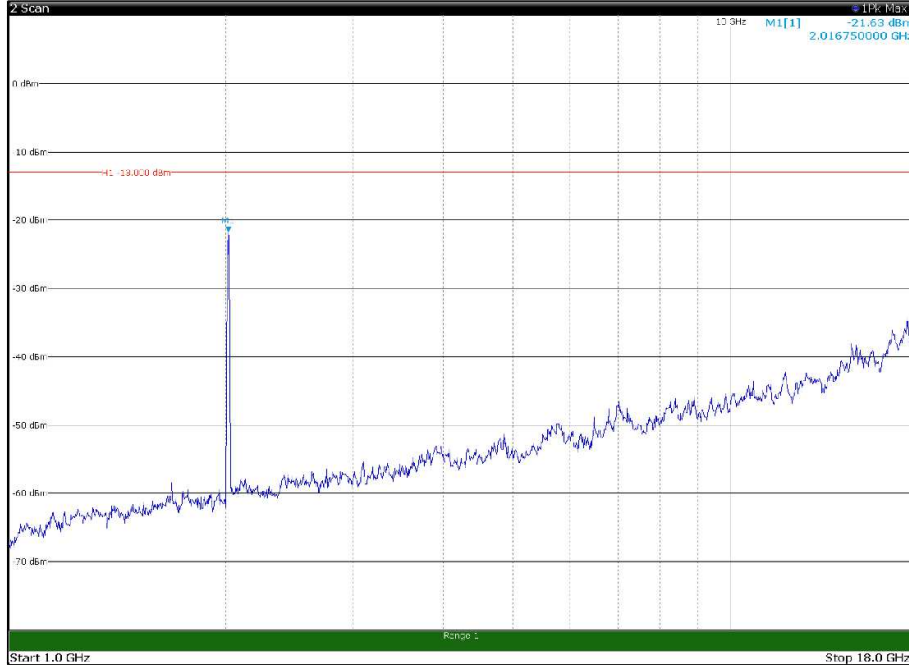
Channel: TOP, Modulation: QPSK,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



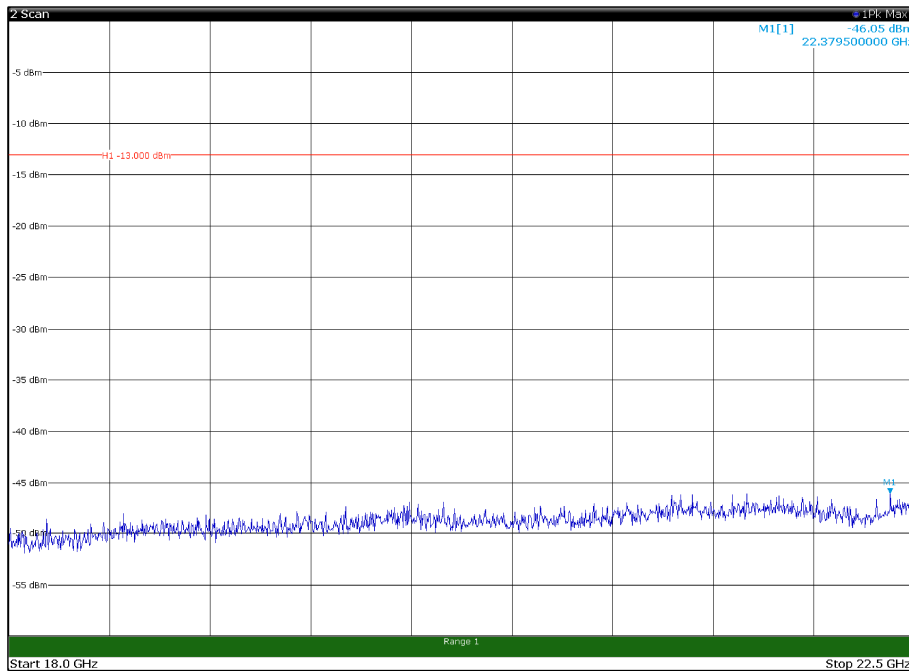
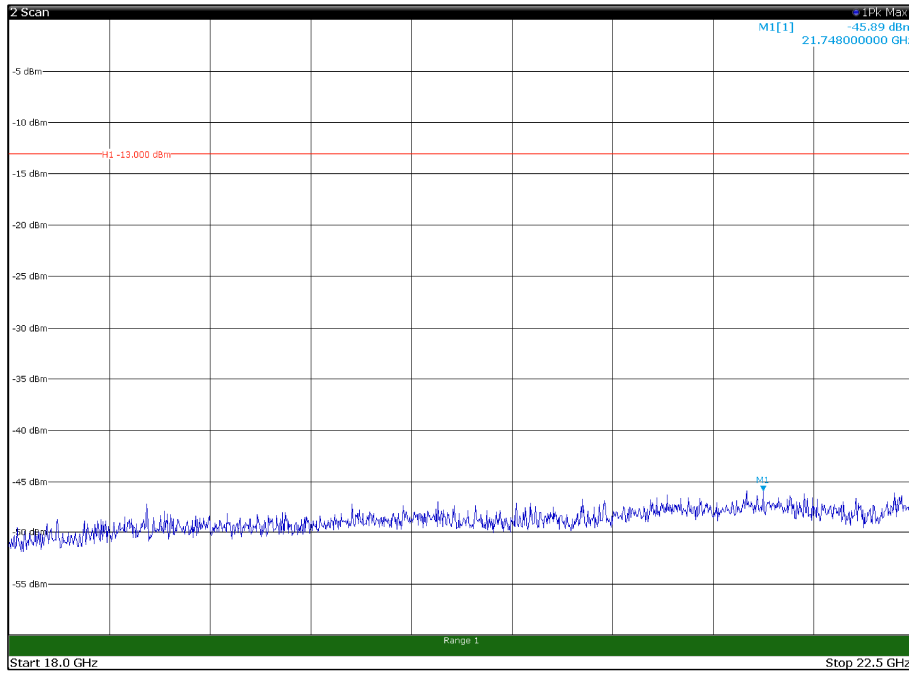
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BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical

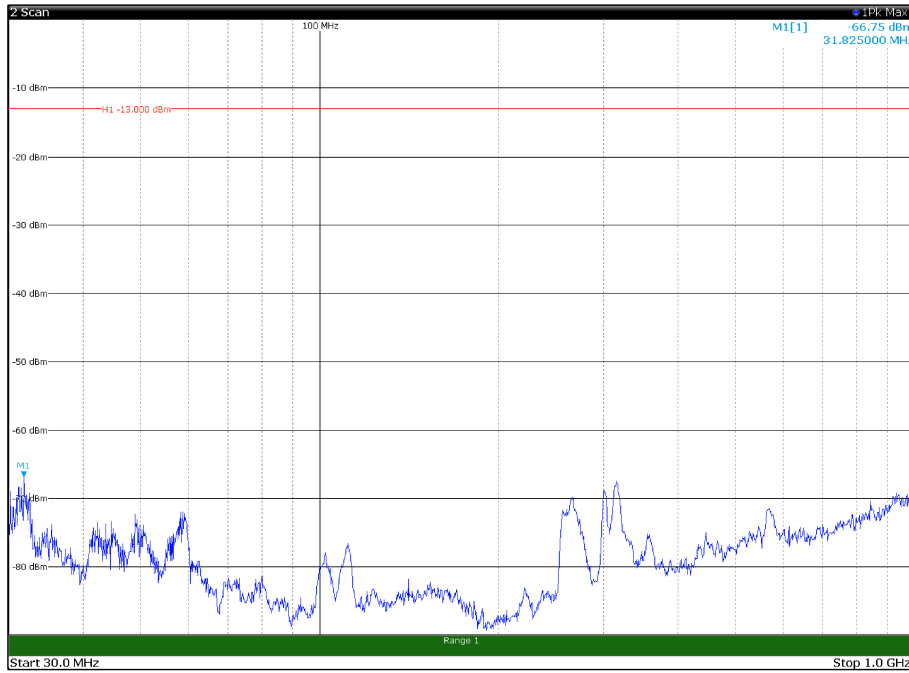


Channel: TOP, Modulation: QPSK,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal

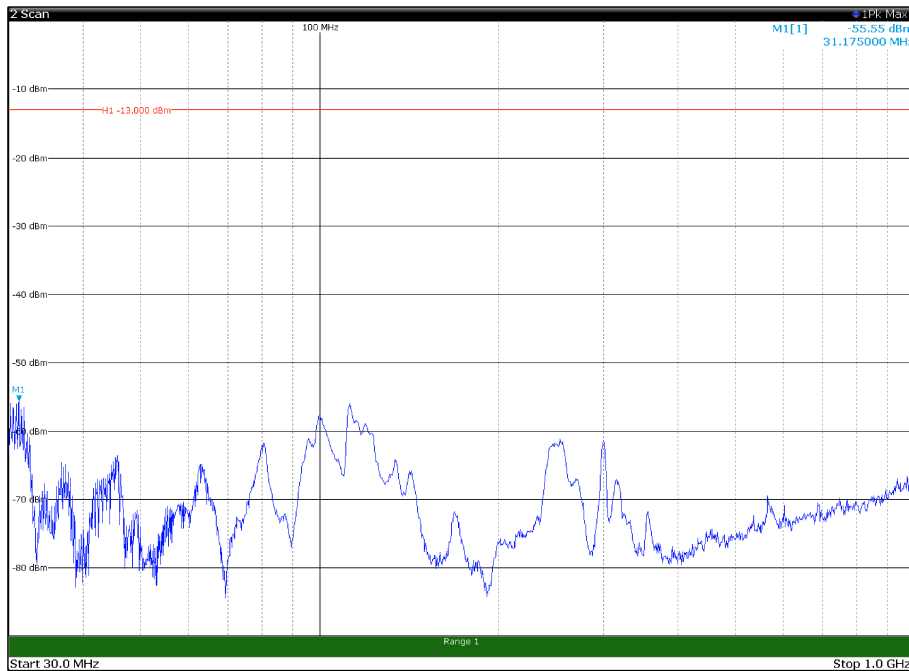


Channel: TOP, Modulation: QPSK,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical

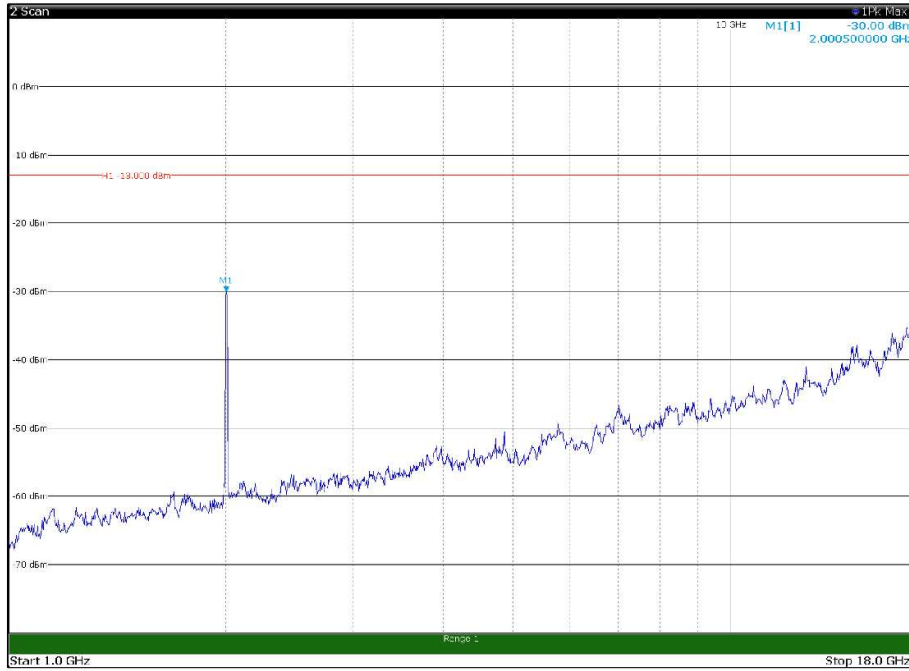




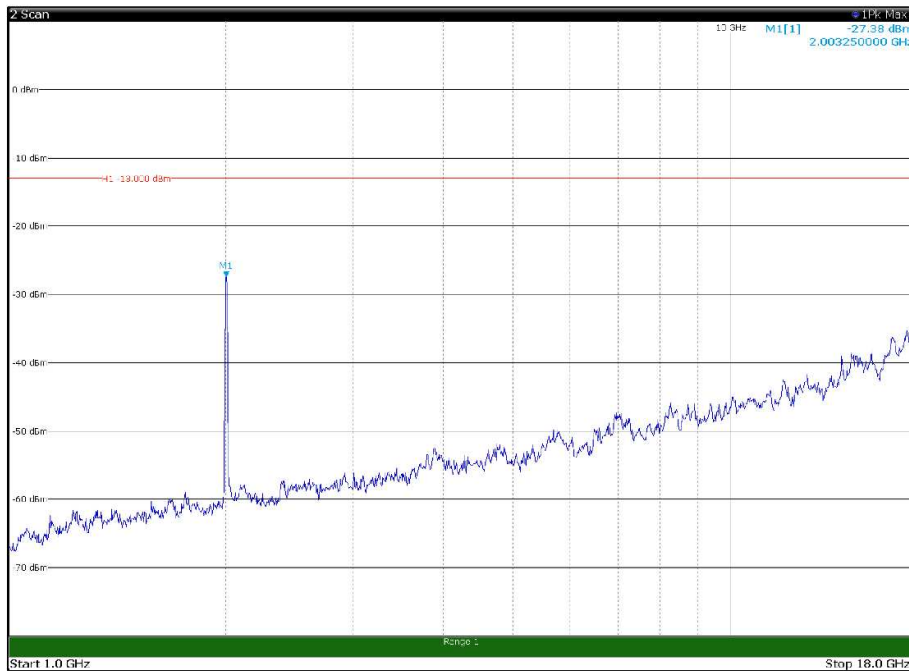
Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



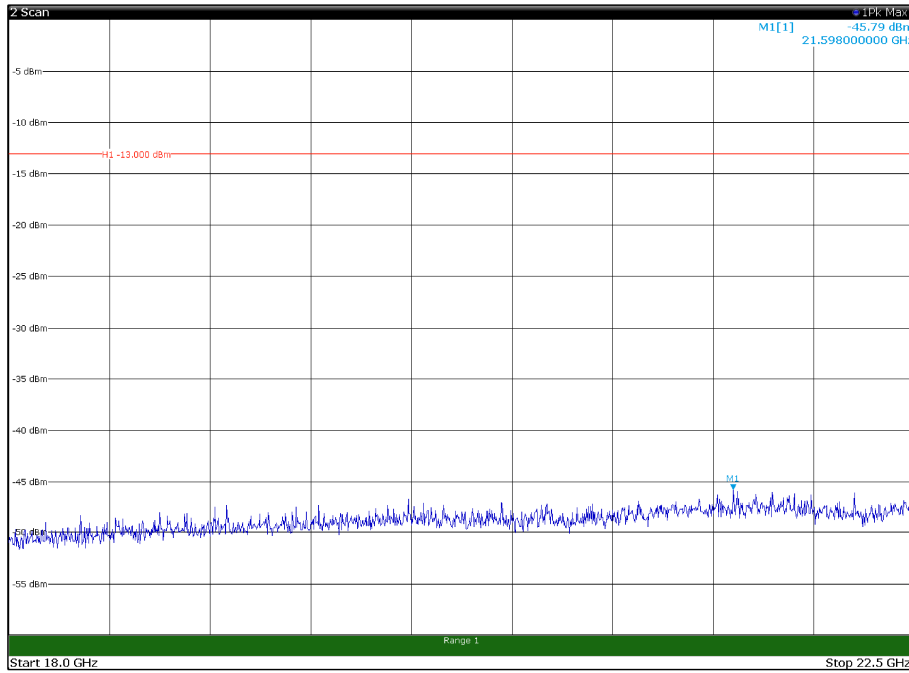
Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



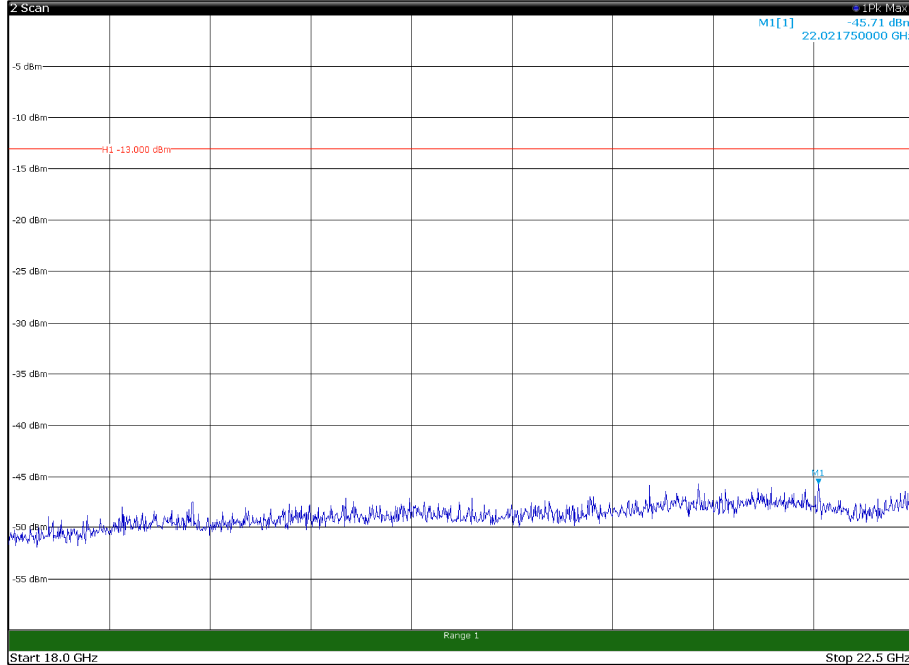
Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical

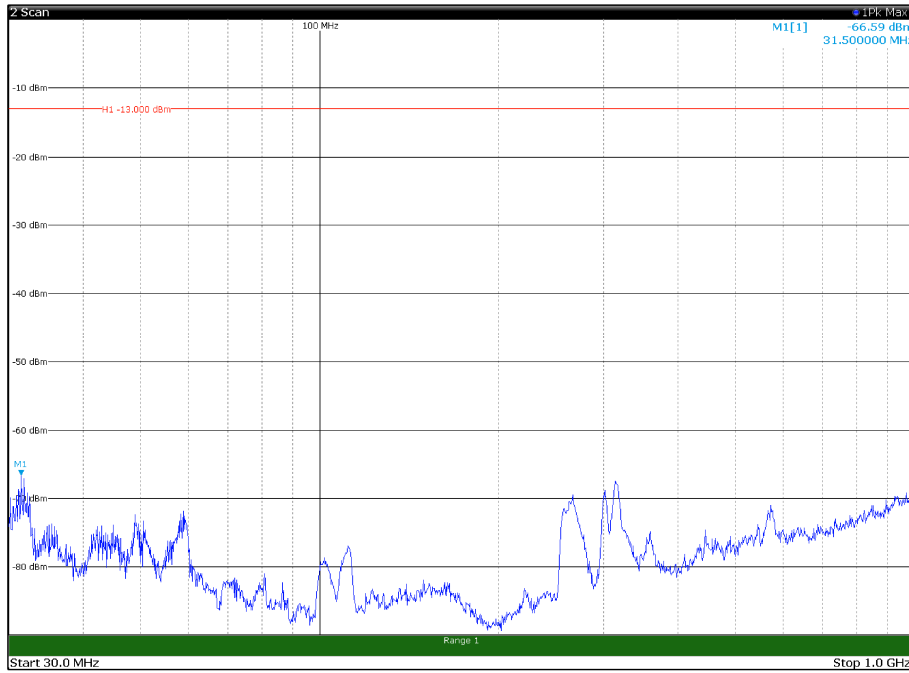


Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal

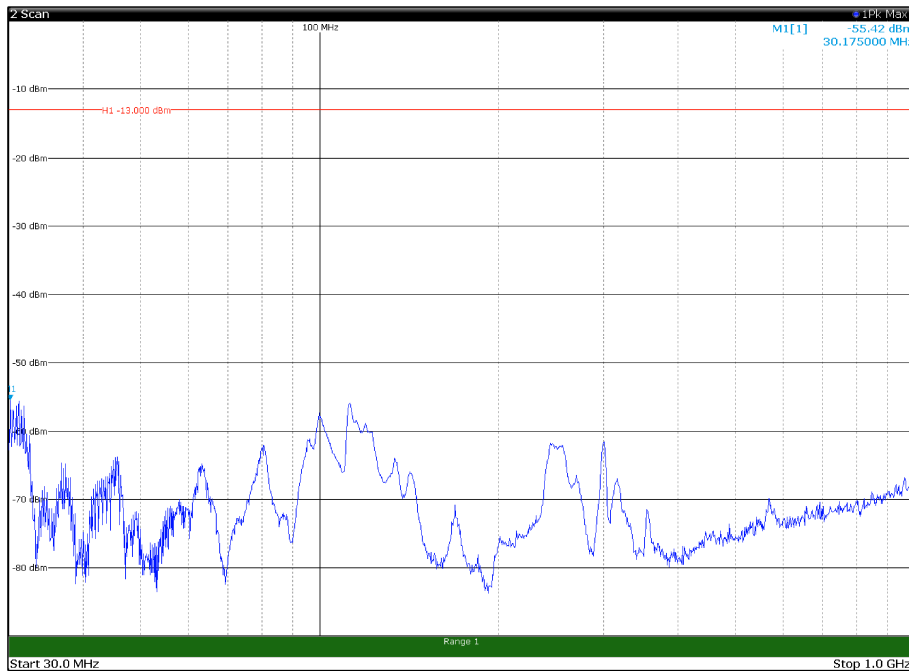


Channel: BOTTOM, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

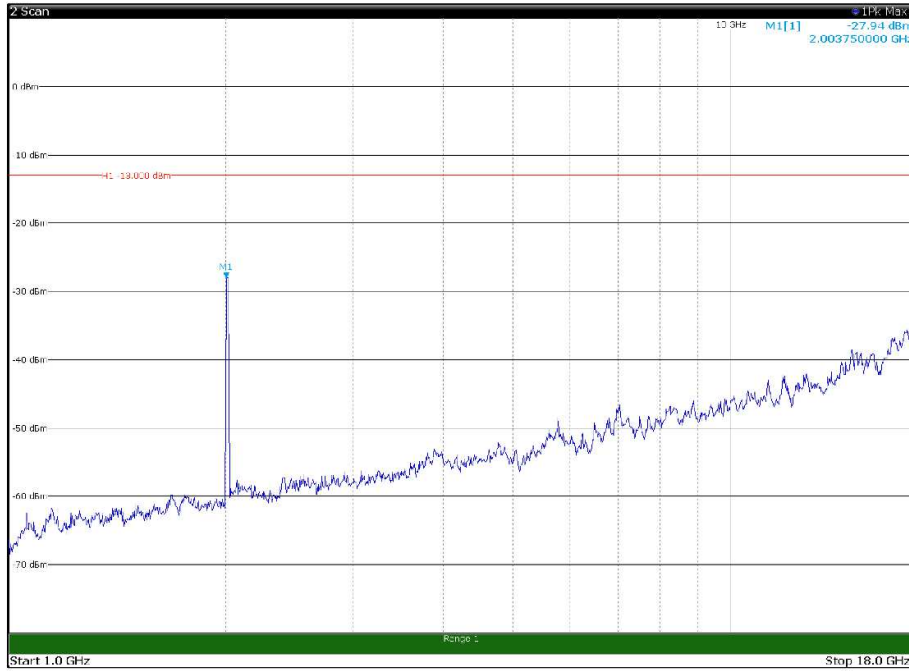




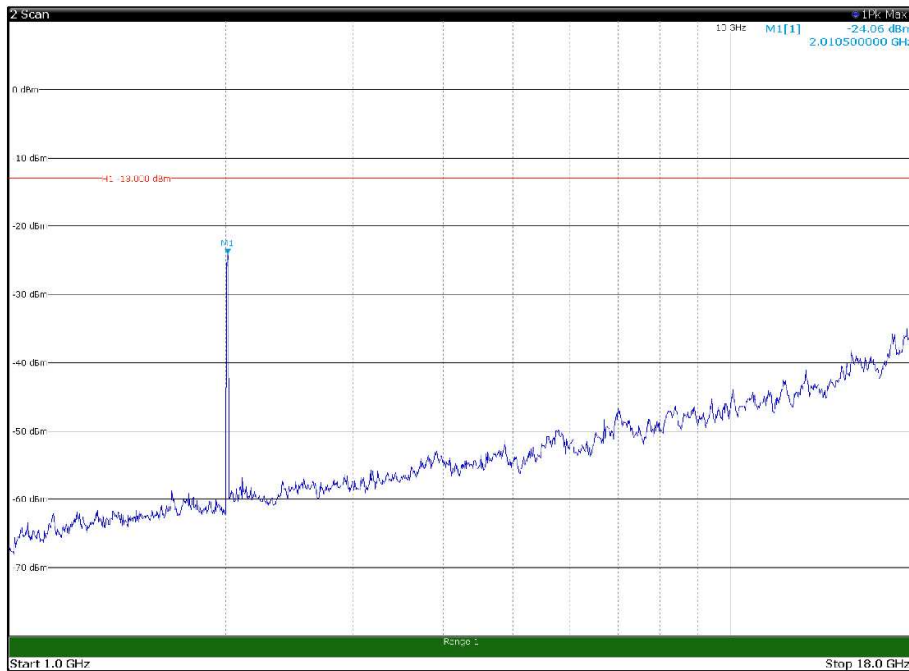
Channel: MIDDLE, Modulation: 16QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



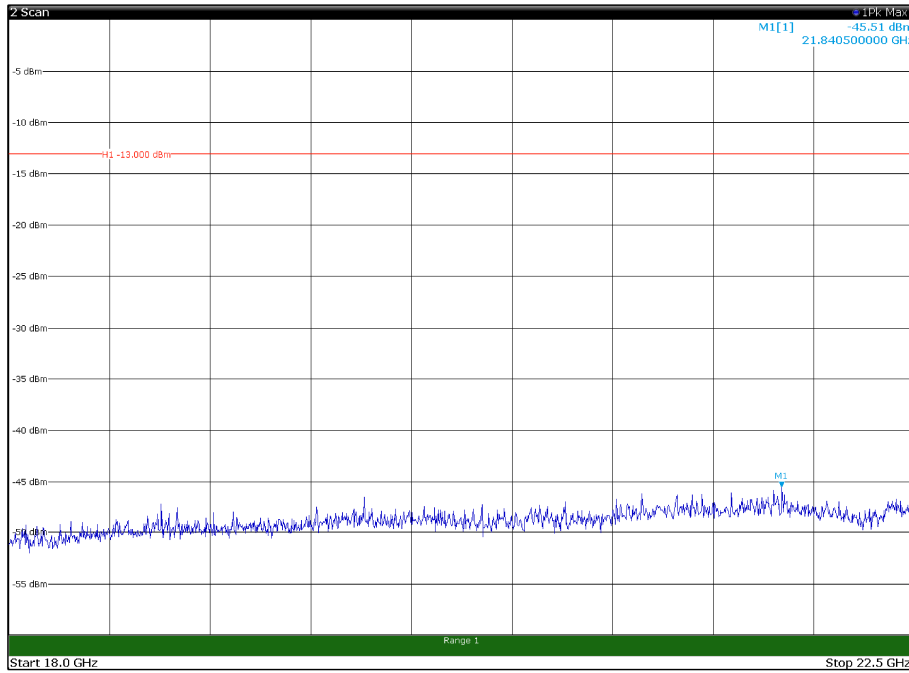
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BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



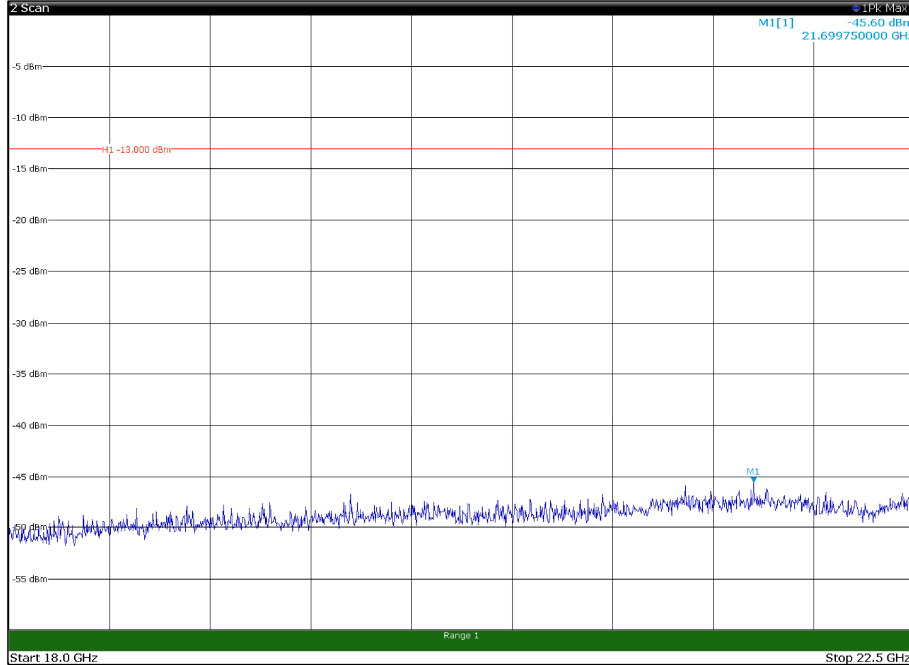
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 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



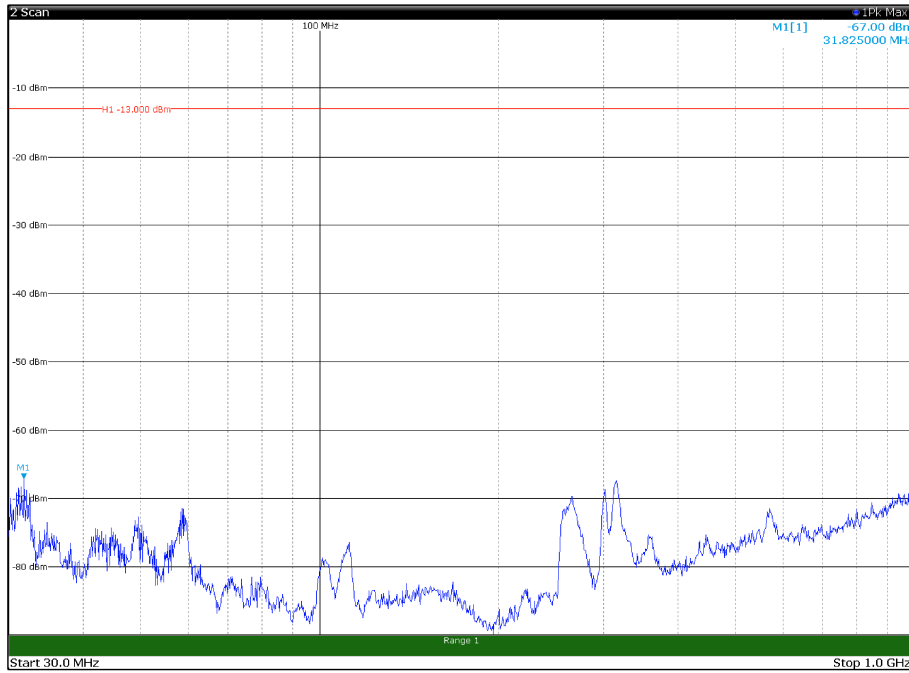
Channel: MIDDLE, Modulation: 16QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



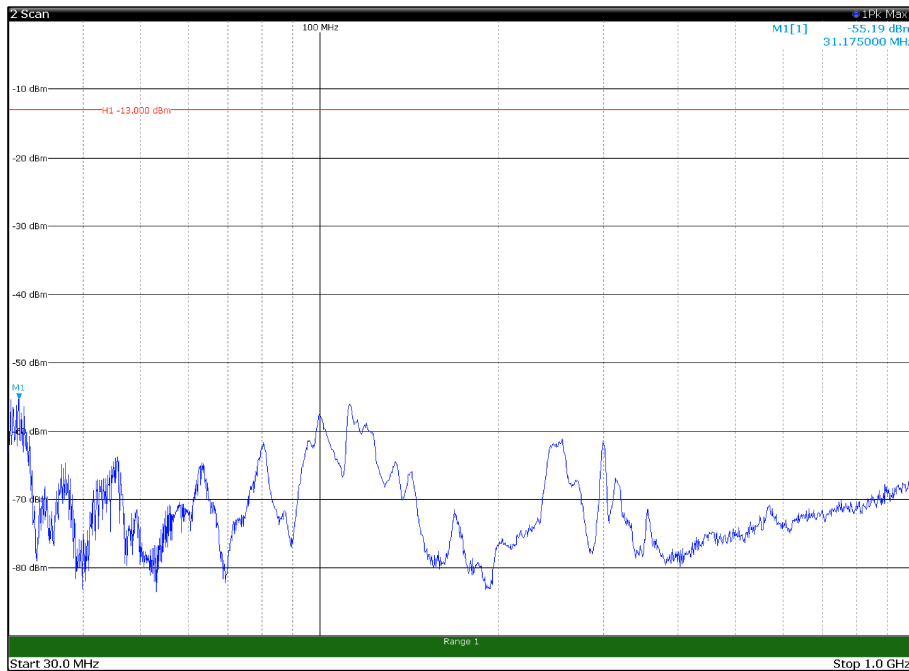
Channel: MIDDLE, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



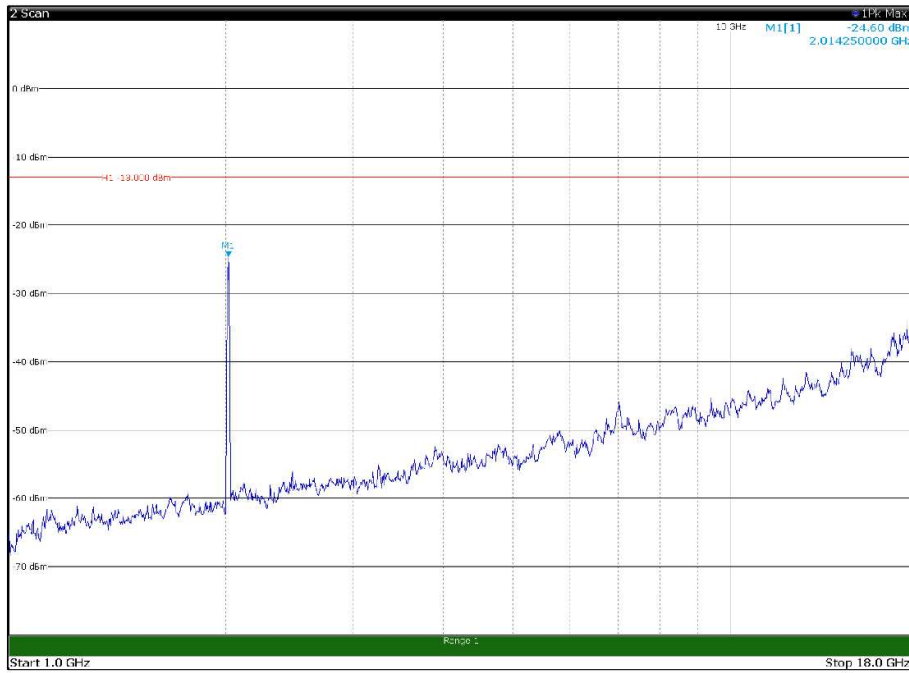
Channel: MIDDLE, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



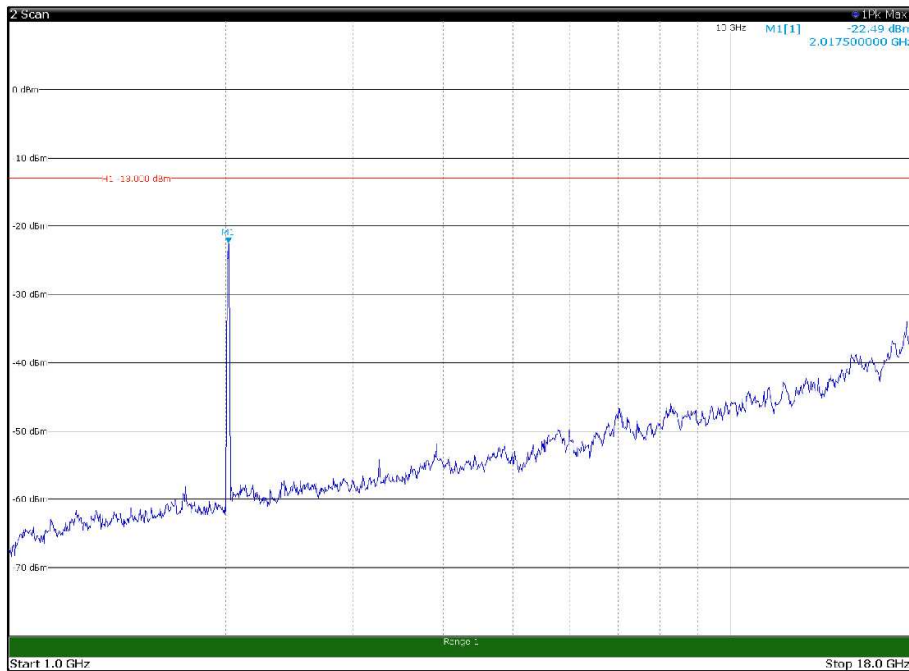
Channel: TOP, Modulation: 16QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



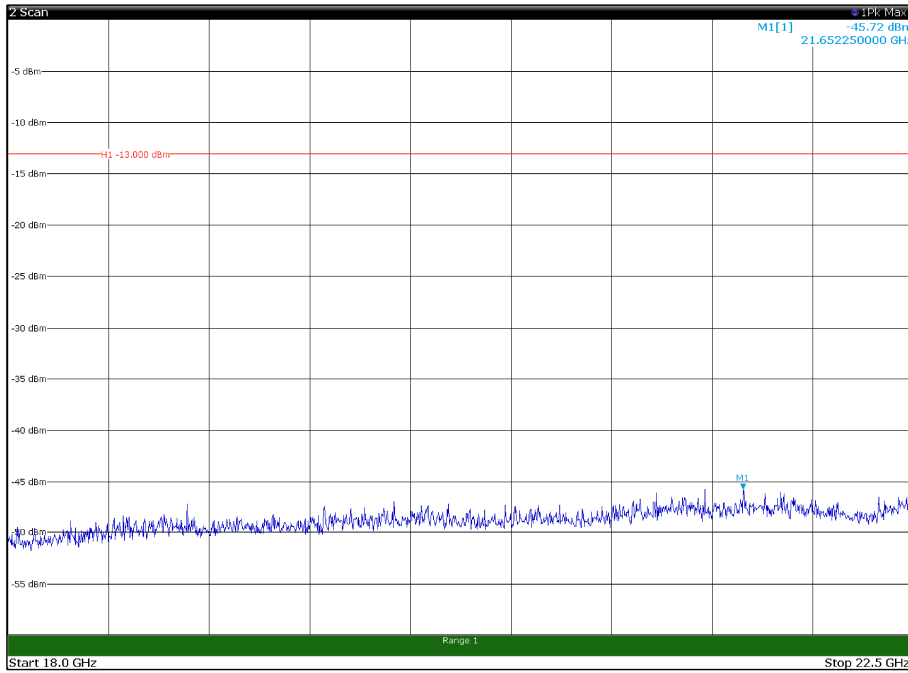
Channel: TOP, Modulation: 16QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



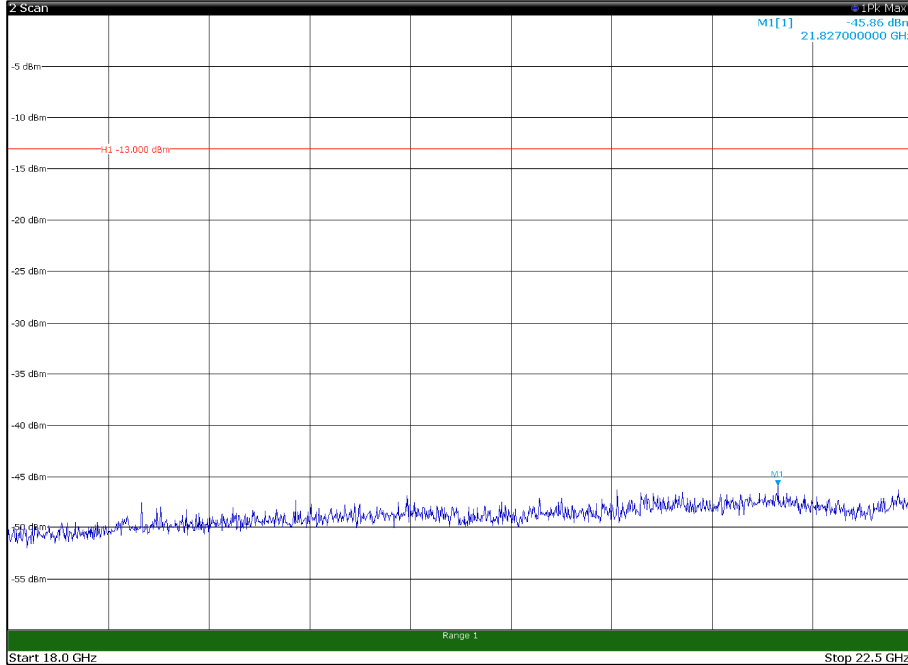
Channel: TOP, Modulation: 16QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



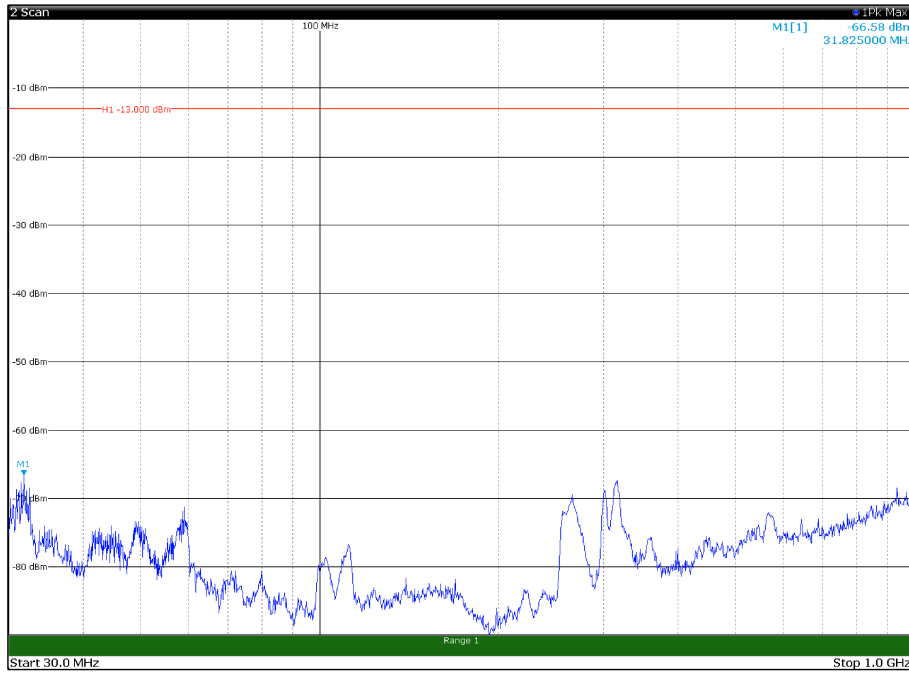
Channel: TOP, Modulation: 16QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



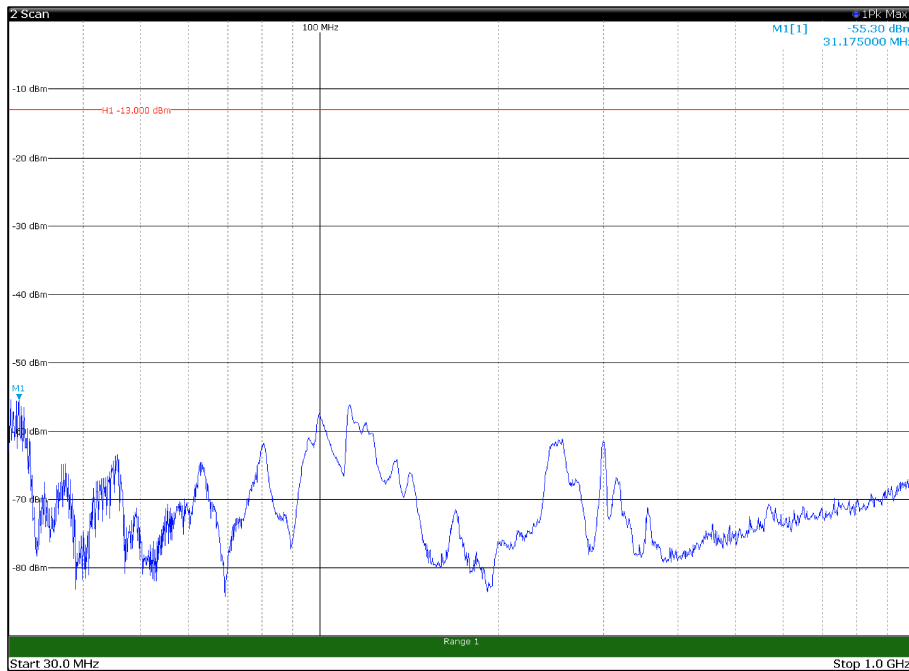
Channel: TOP, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



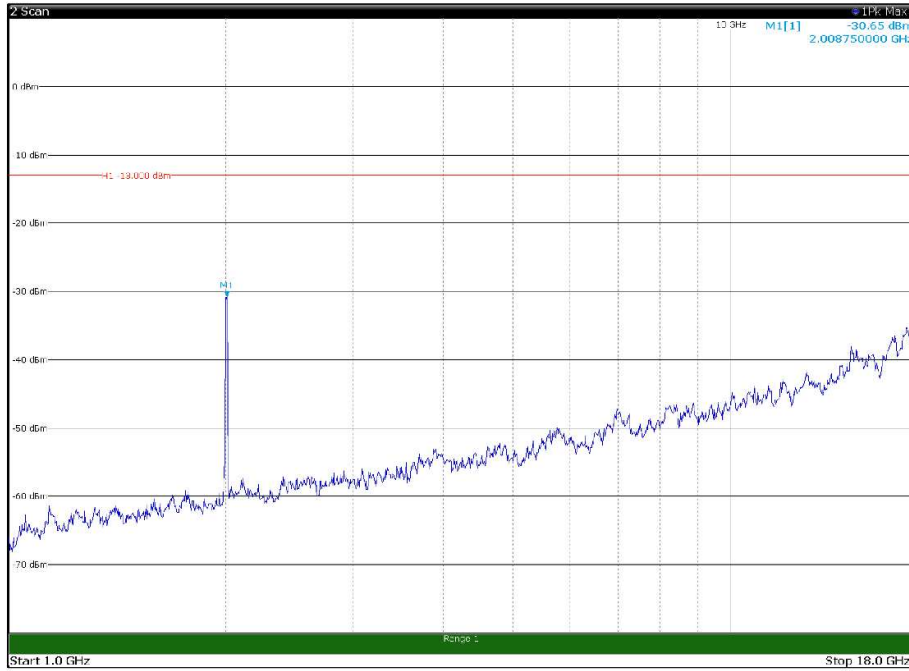
Channel: TOP, Modulation: 16QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



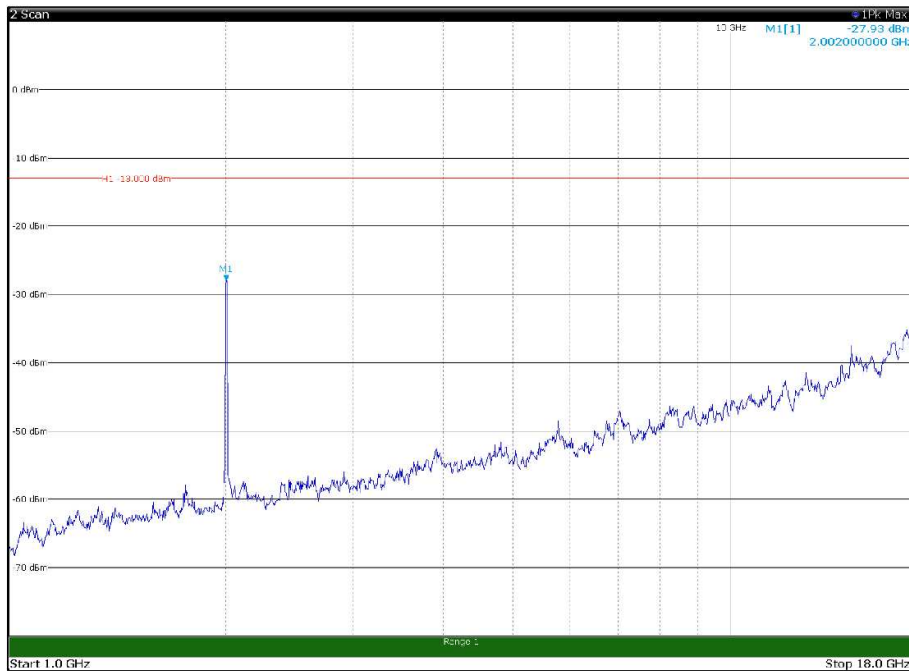
Channel: BOTTOM, Modulation: 64QAM,  
 BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



Channel: BOTTOM, Modulation: 64QAM,  
 BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical

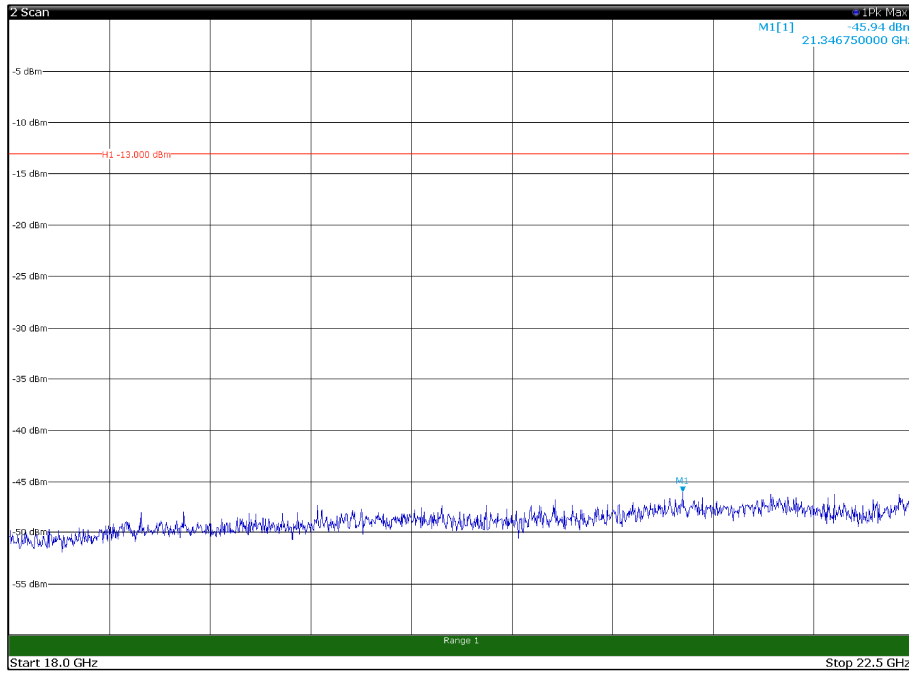


Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal

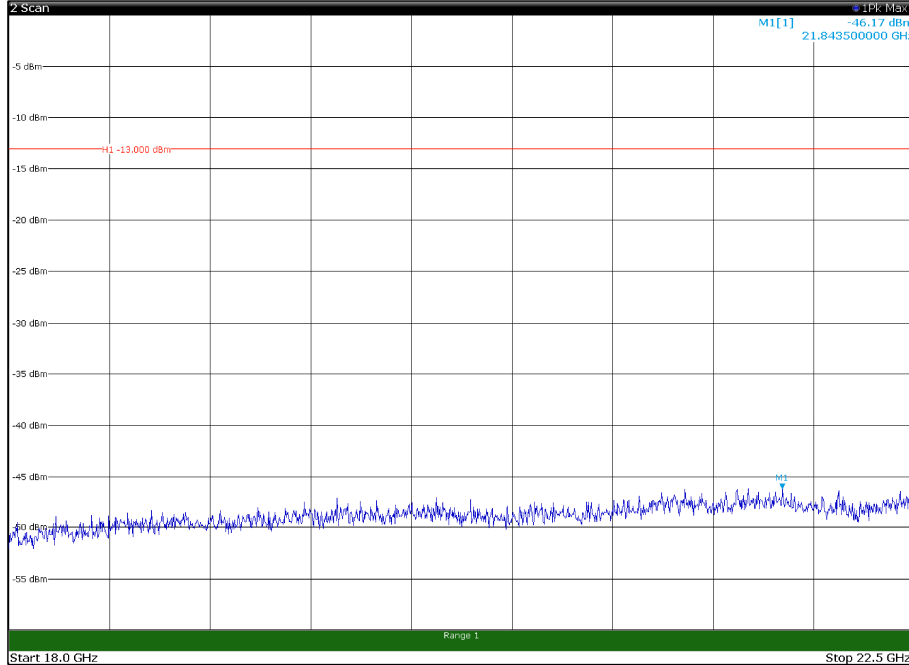


Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical

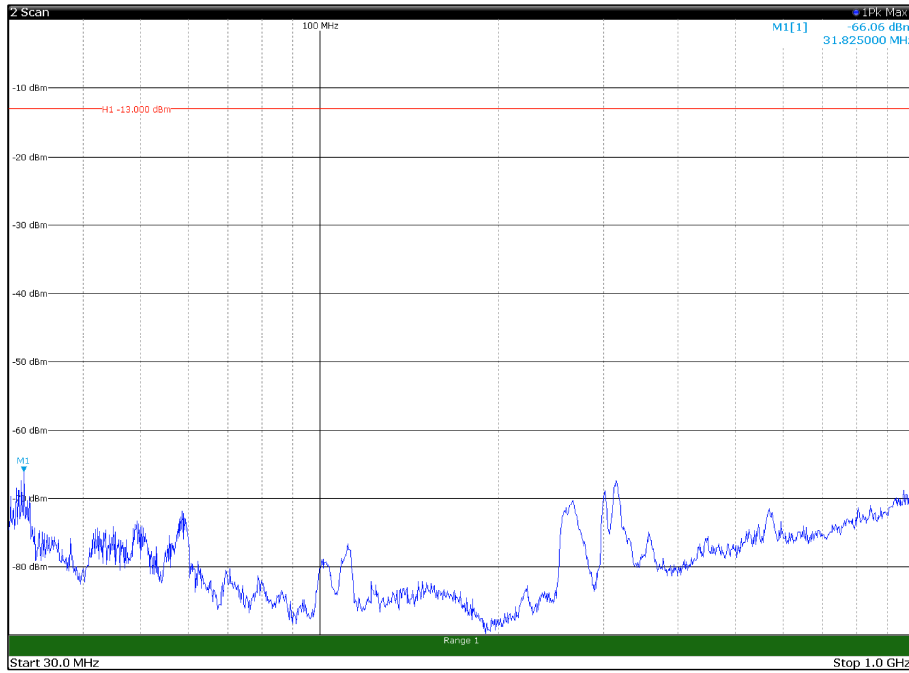




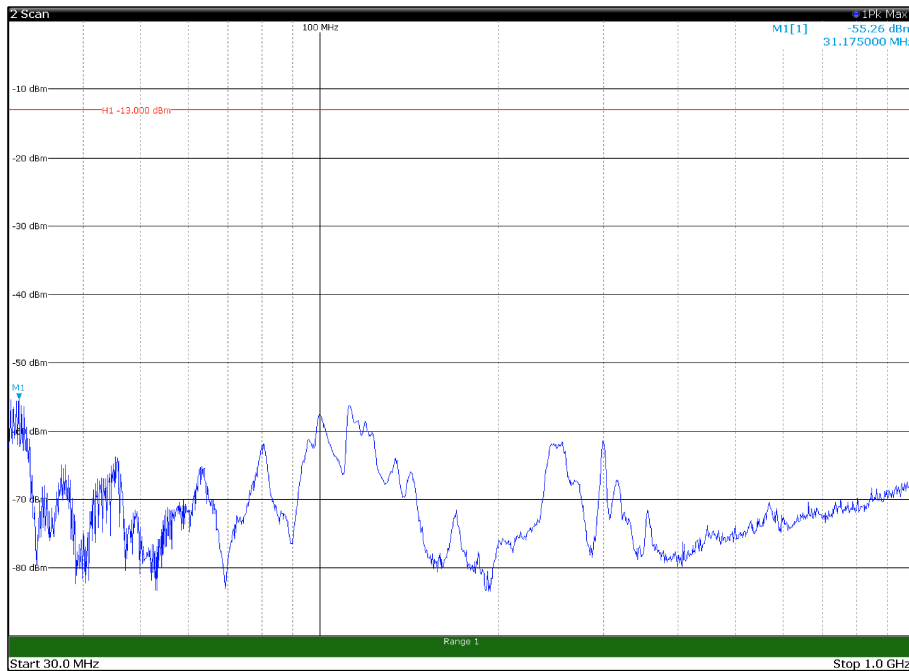
Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



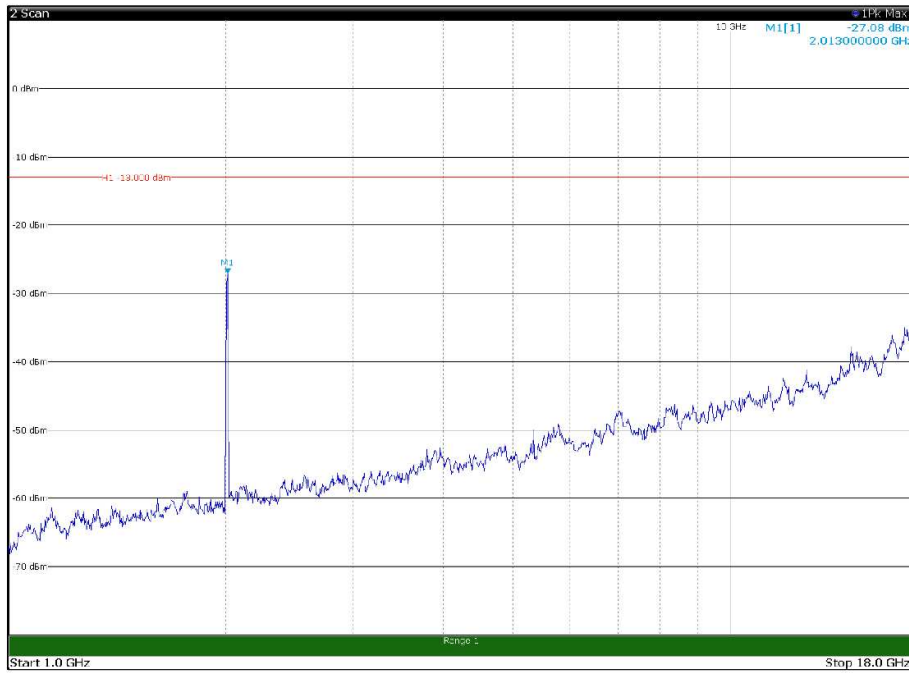
Channel: BOTTOM, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



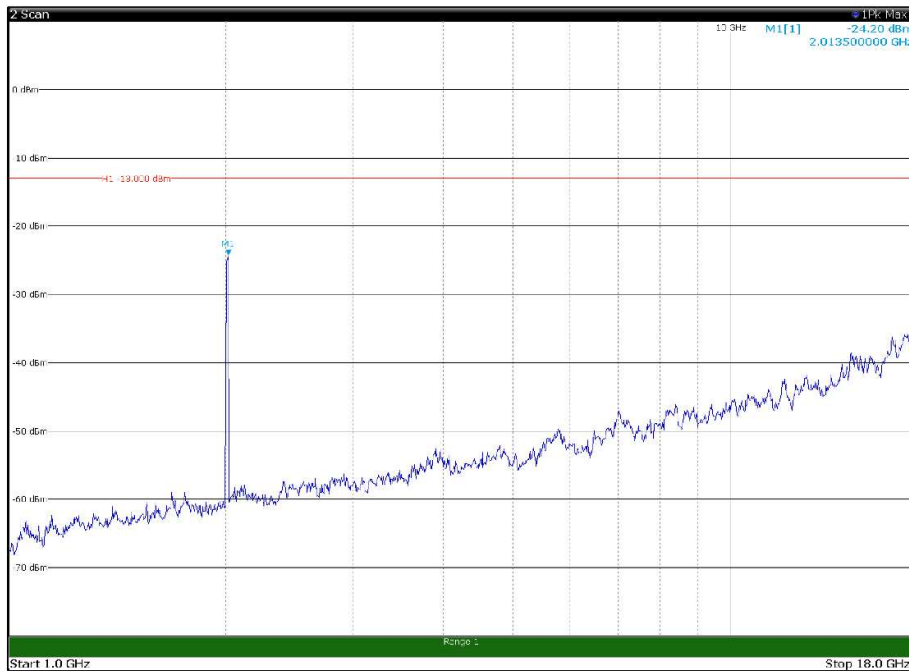
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



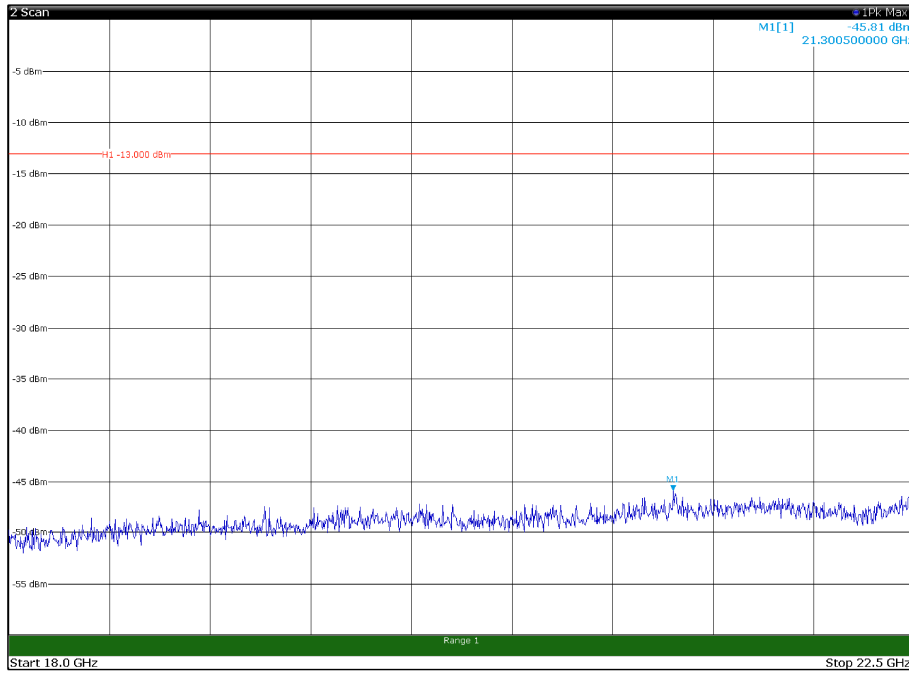
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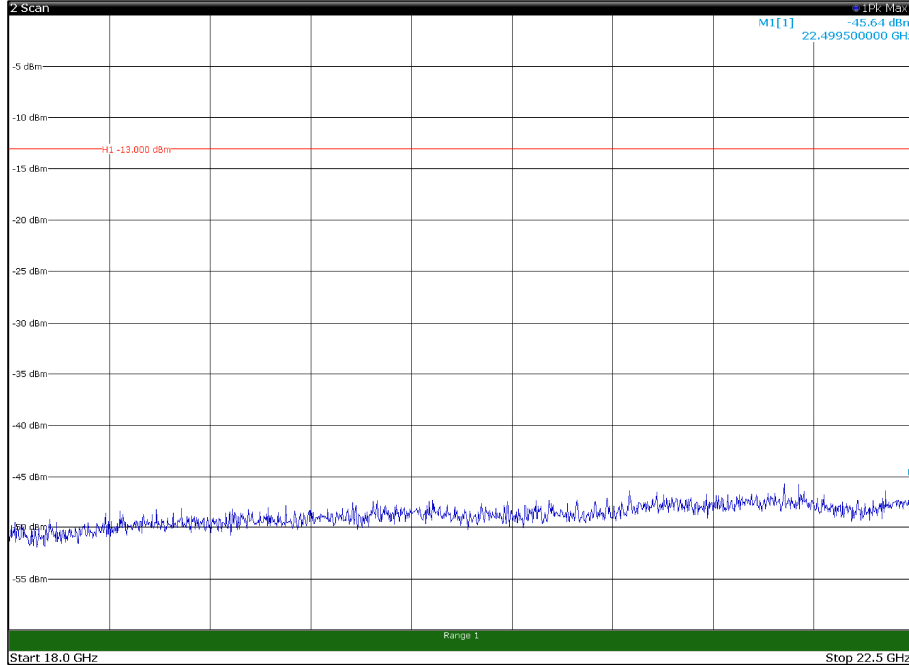
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BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



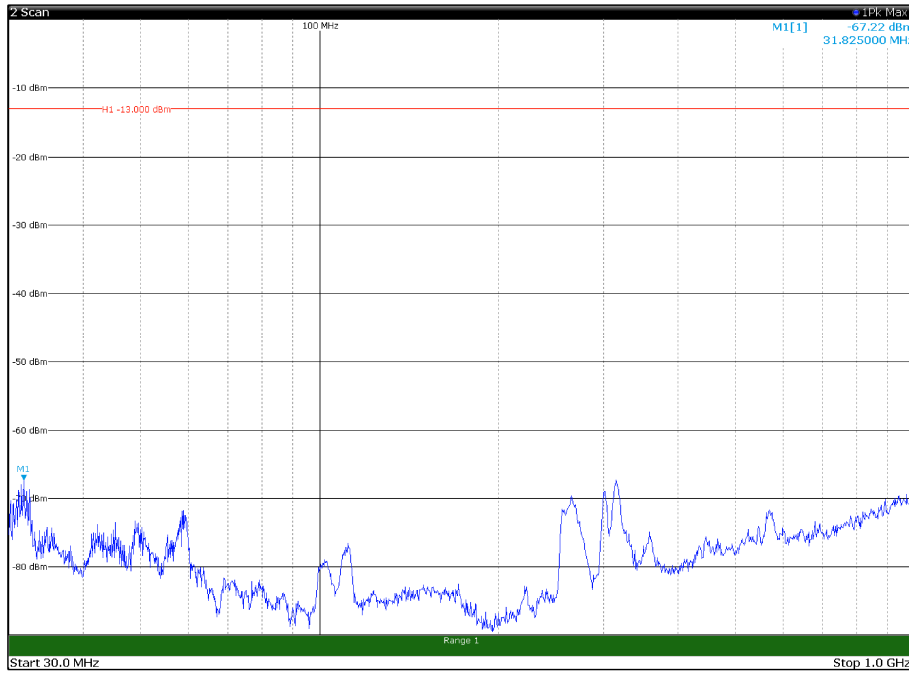
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



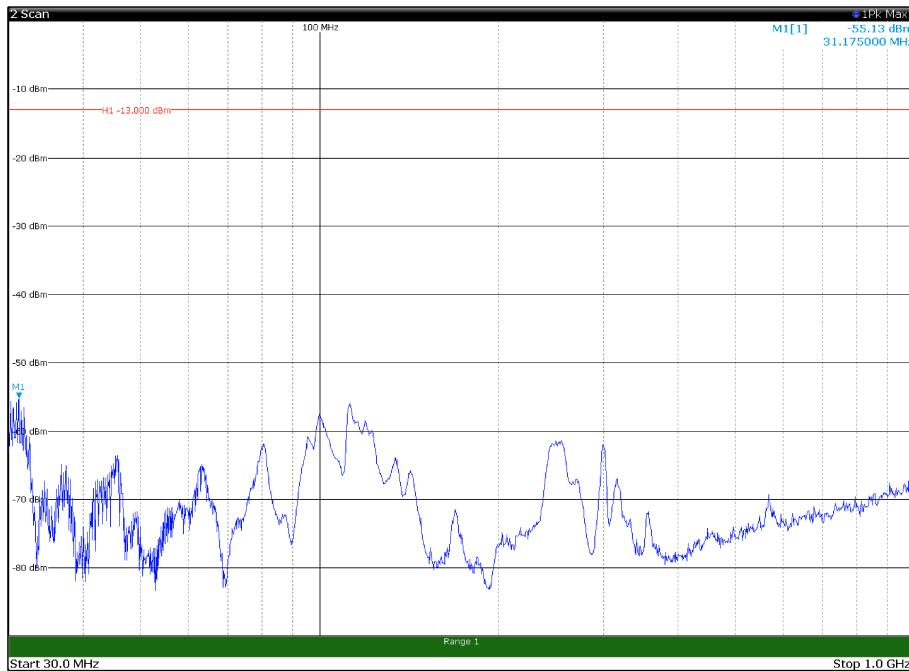
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



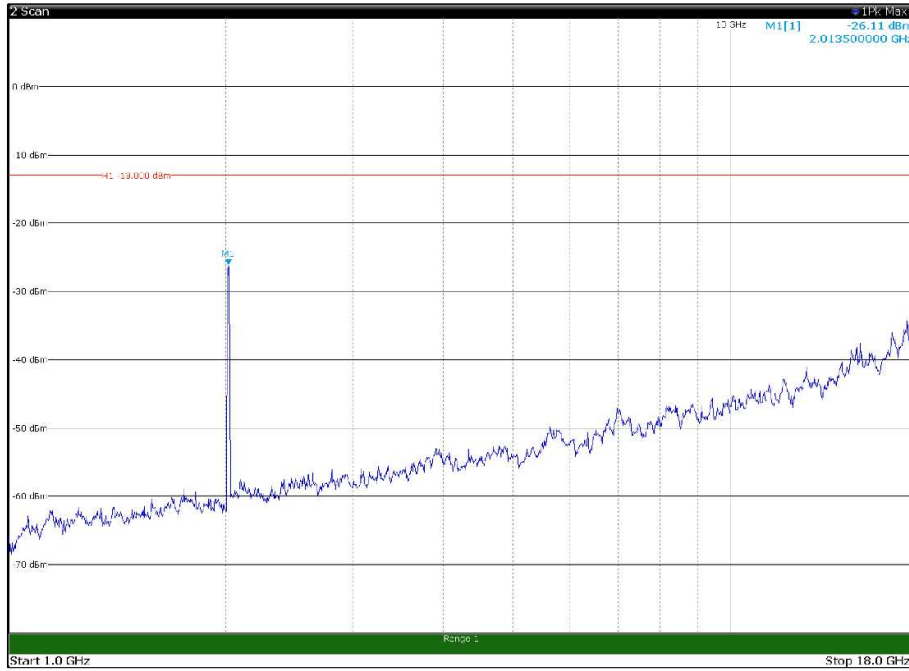
Channel: MIDDLE, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



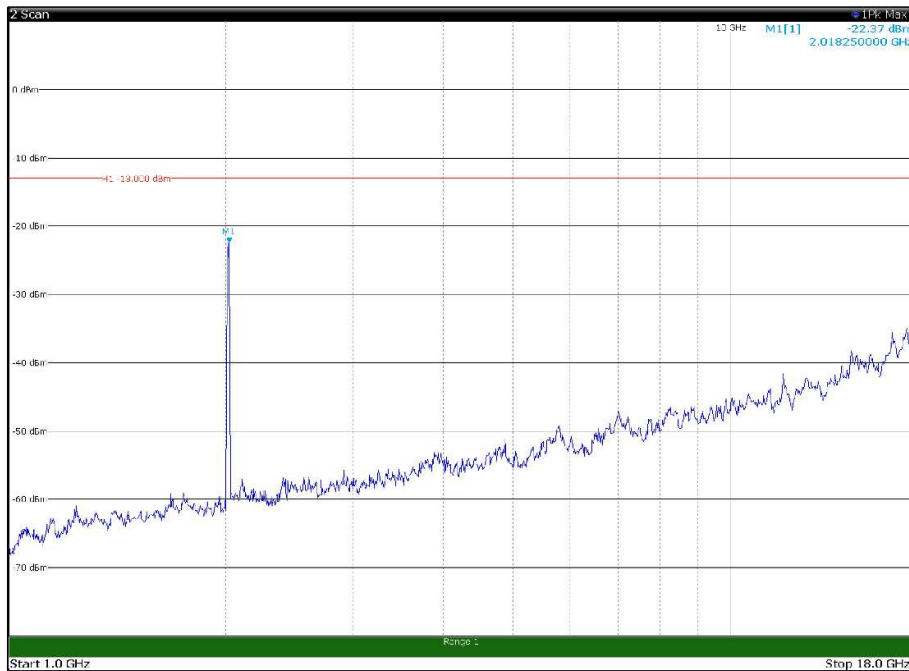
Channel: TOP, Modulation: 64QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



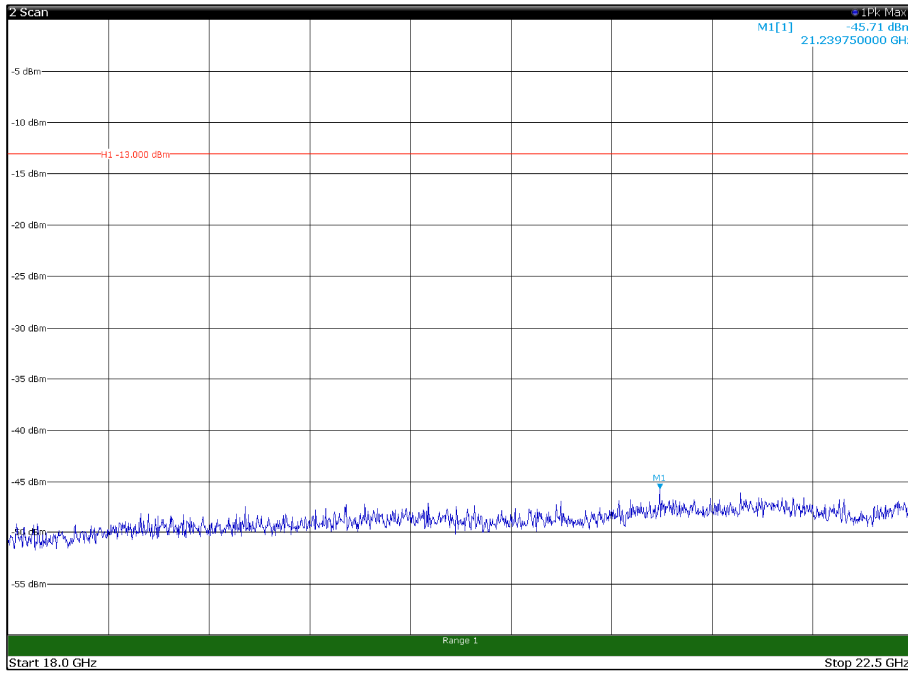
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BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



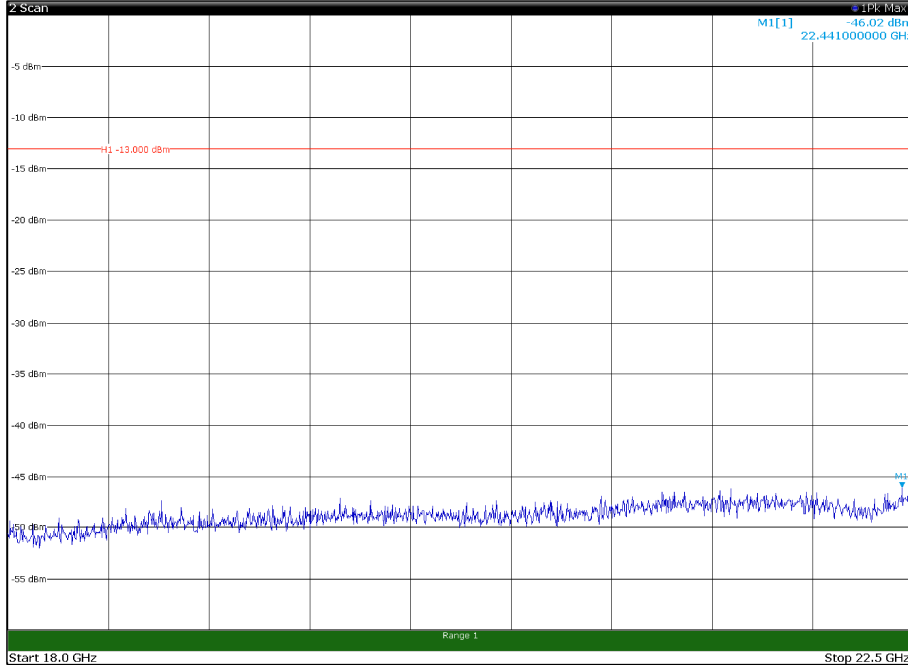
Channel: TOP, Modulation: 64QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



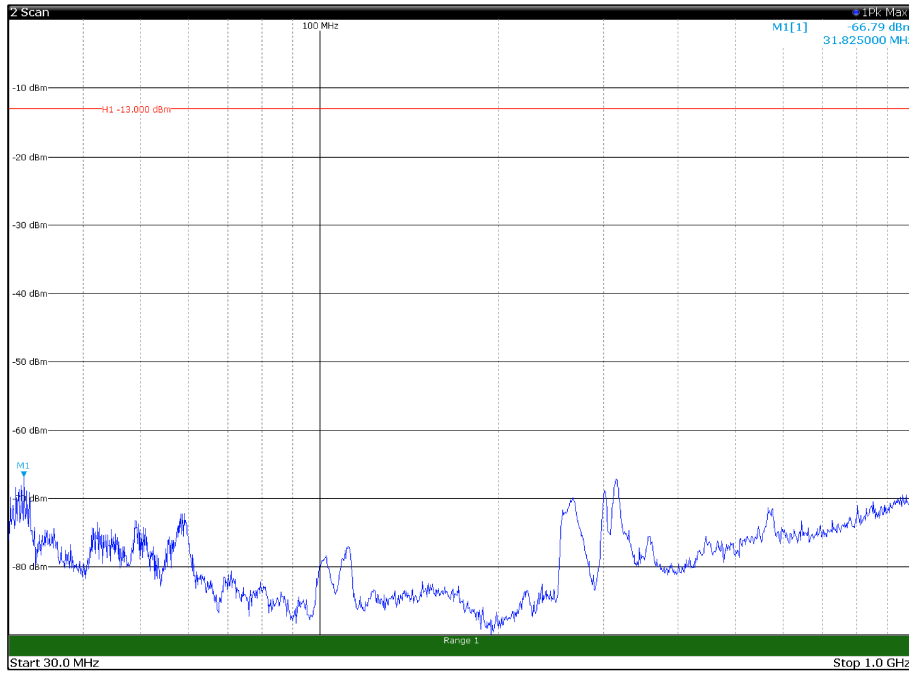
Channel: TOP, Modulation: 64QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



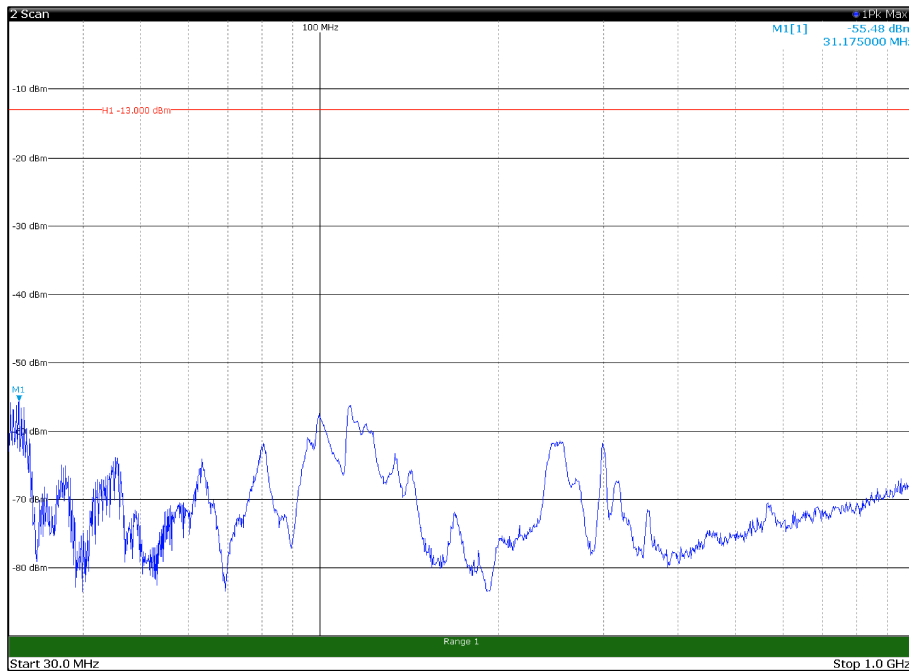
Channel: TOP, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



Channel: TOP, Modulation: 64QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

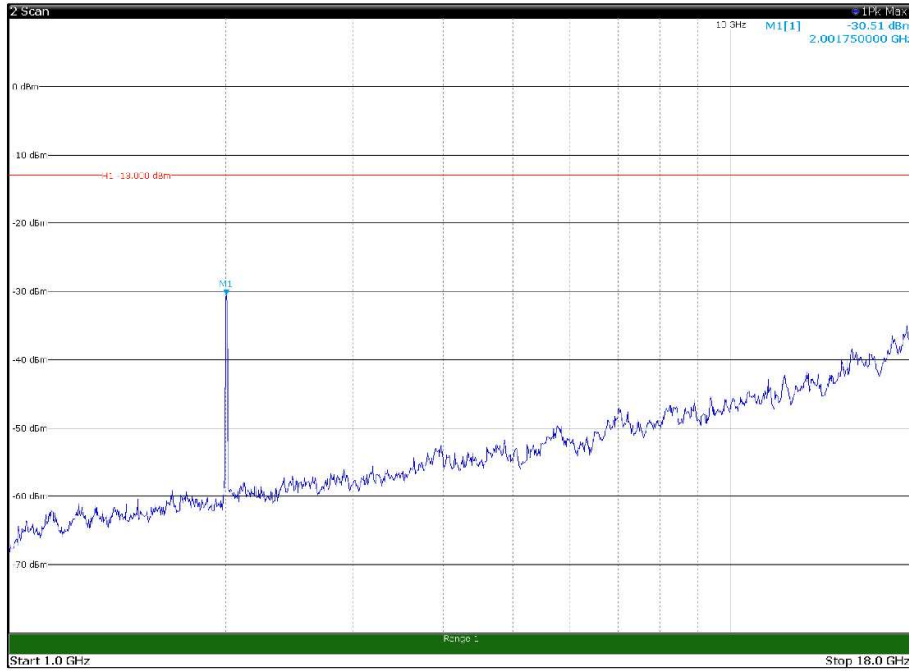


Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal

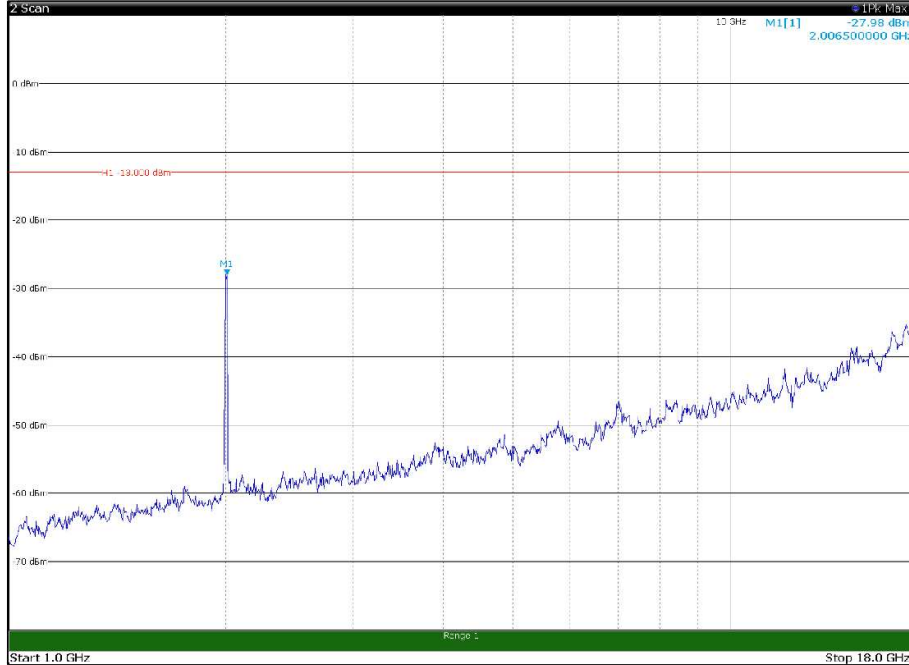


Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical

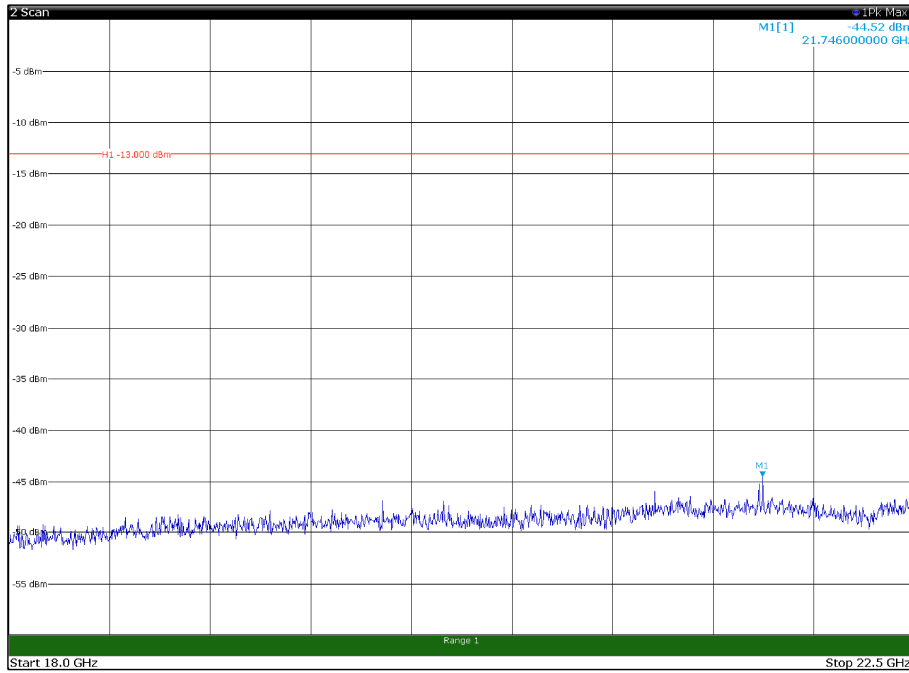




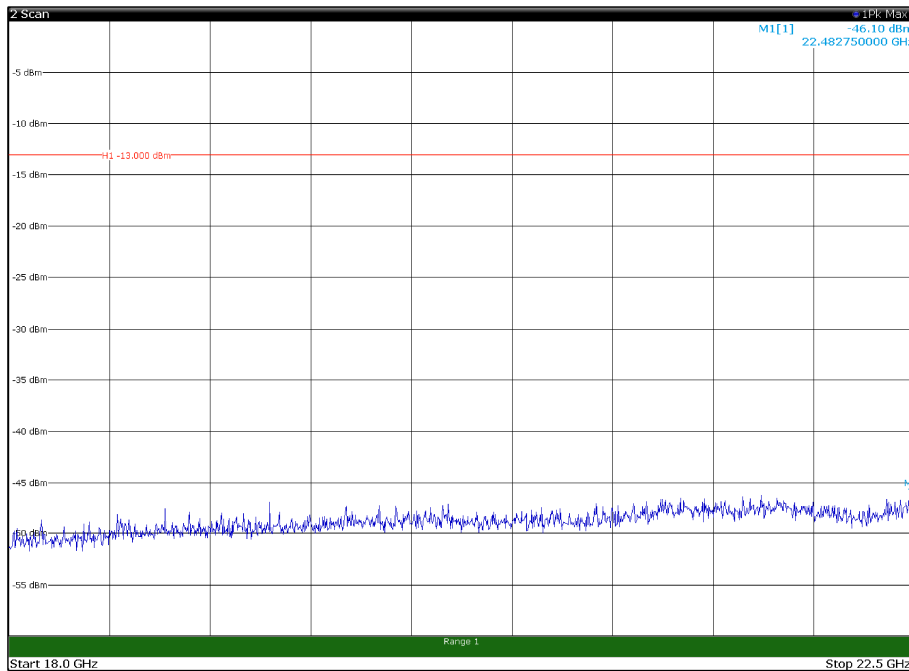
Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



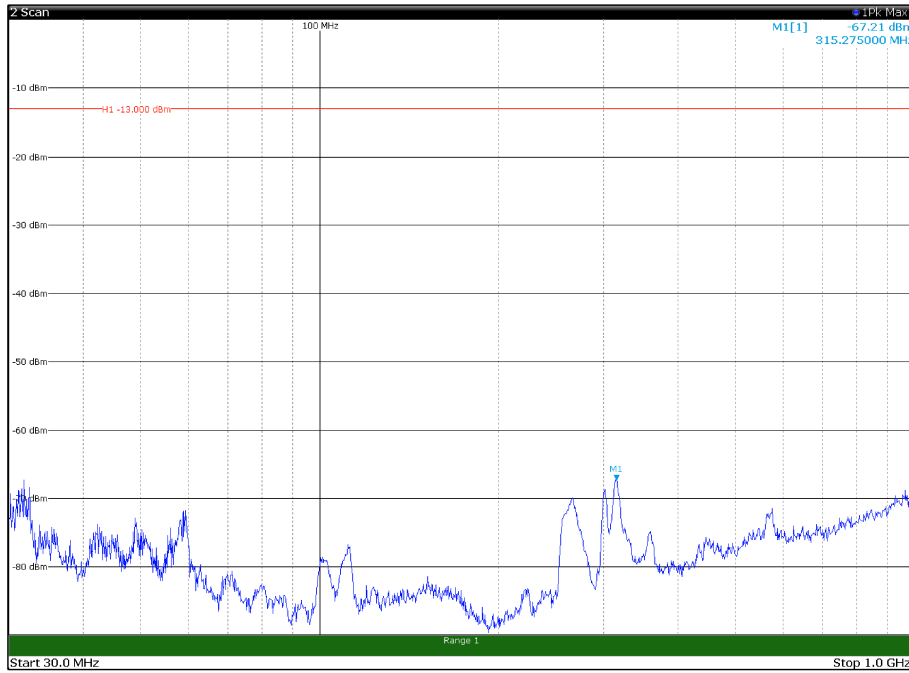
Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



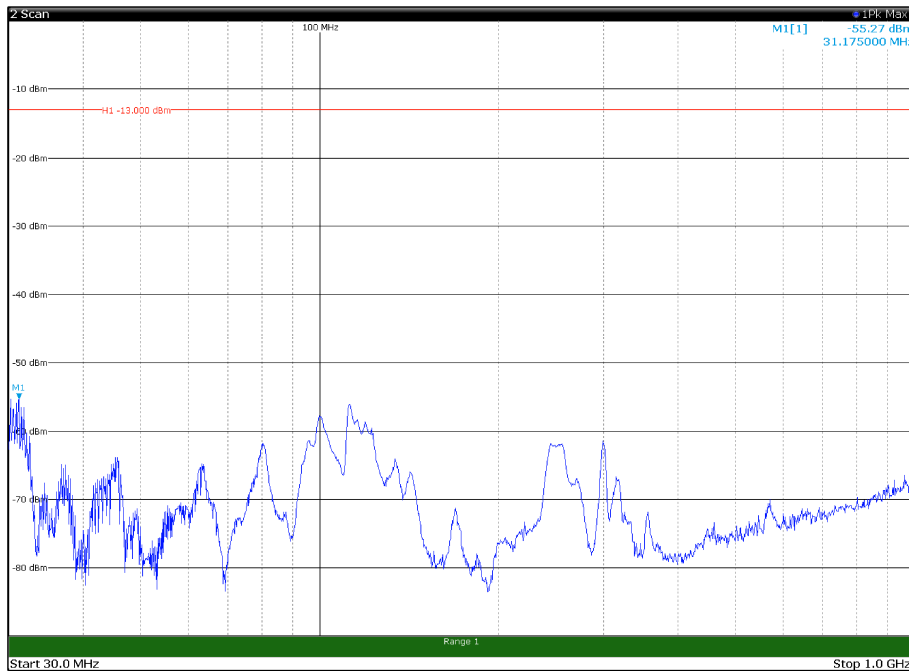
Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



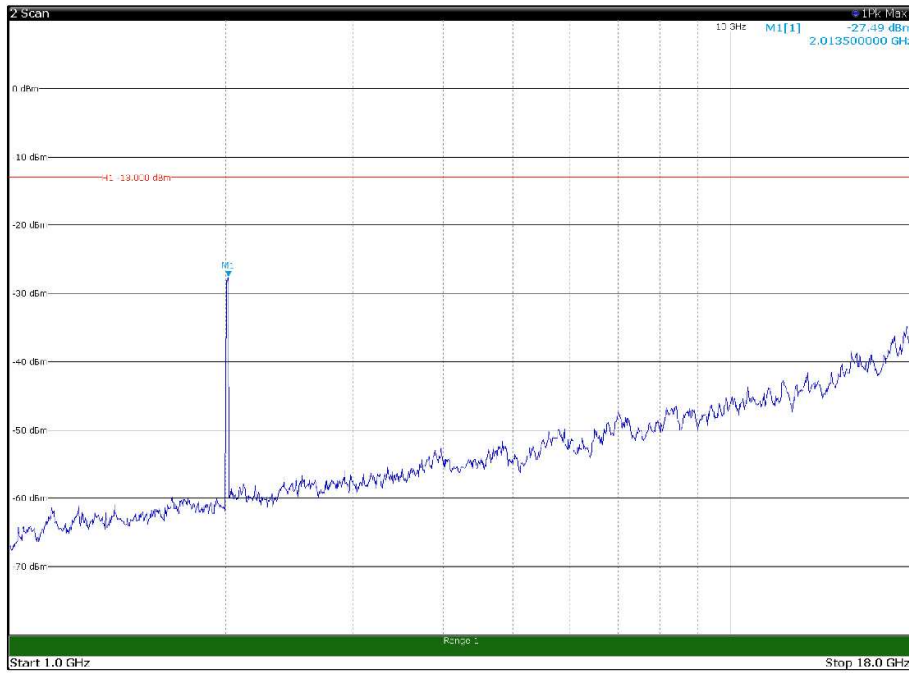
Channel: BOTTOM, Modulation: 256QAM,  
 BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



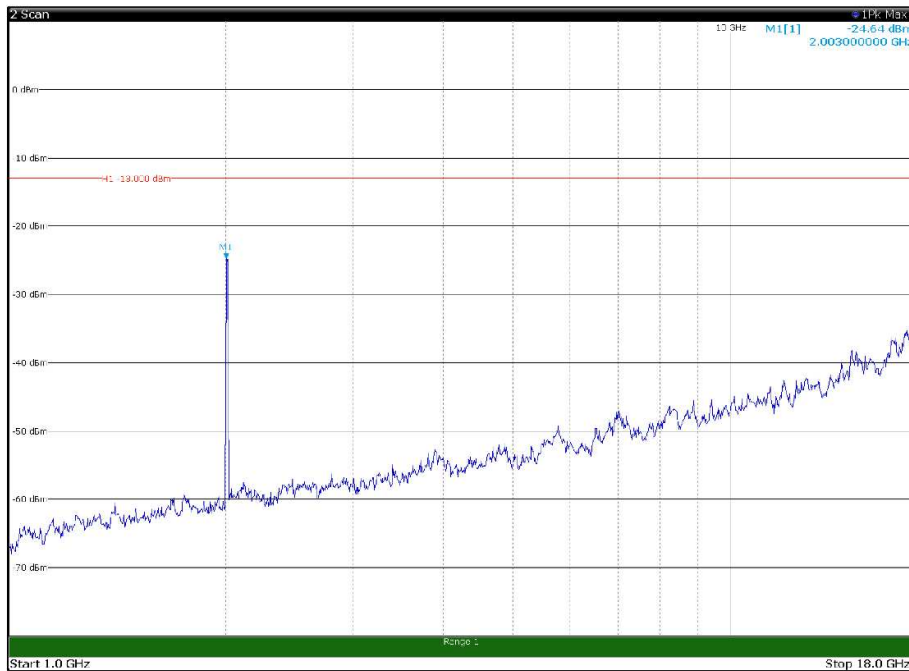
Channel: MIDDLE, Modulation: 256QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



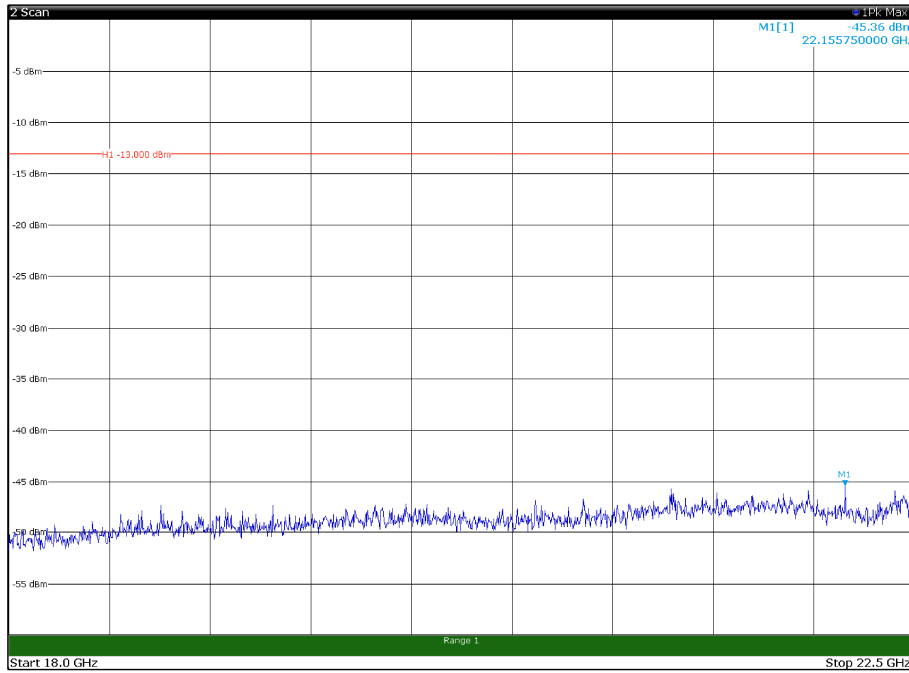
Channel: MIDDLE, Modulation: 256QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



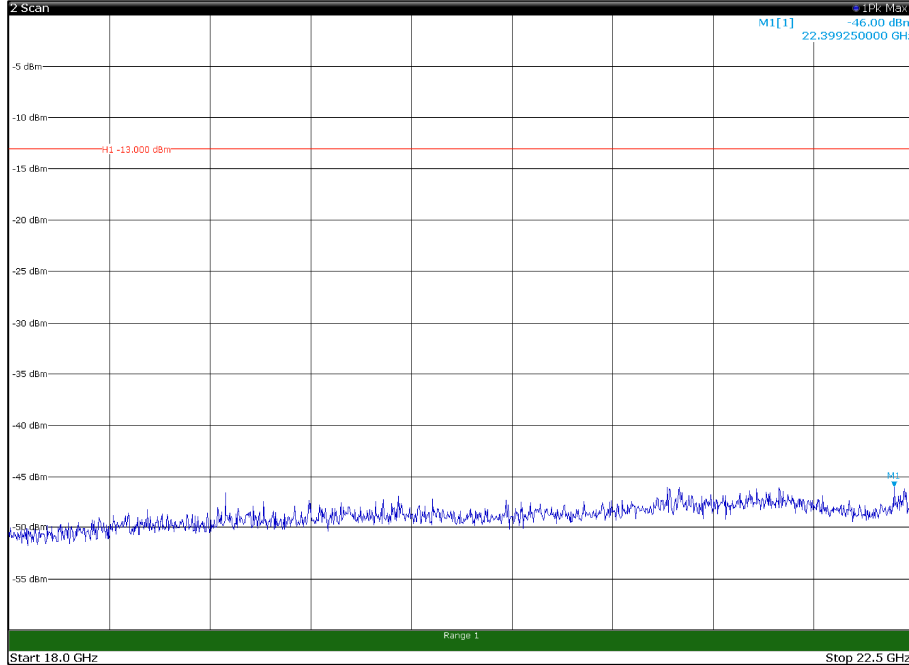
Channel: MIDDLE, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



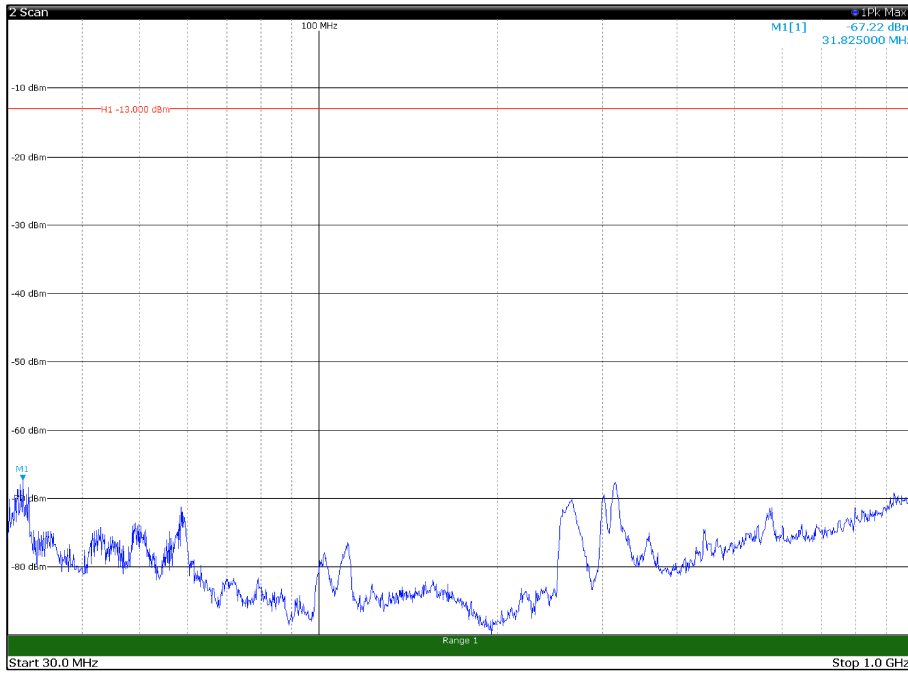
Channel: MIDDLE, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



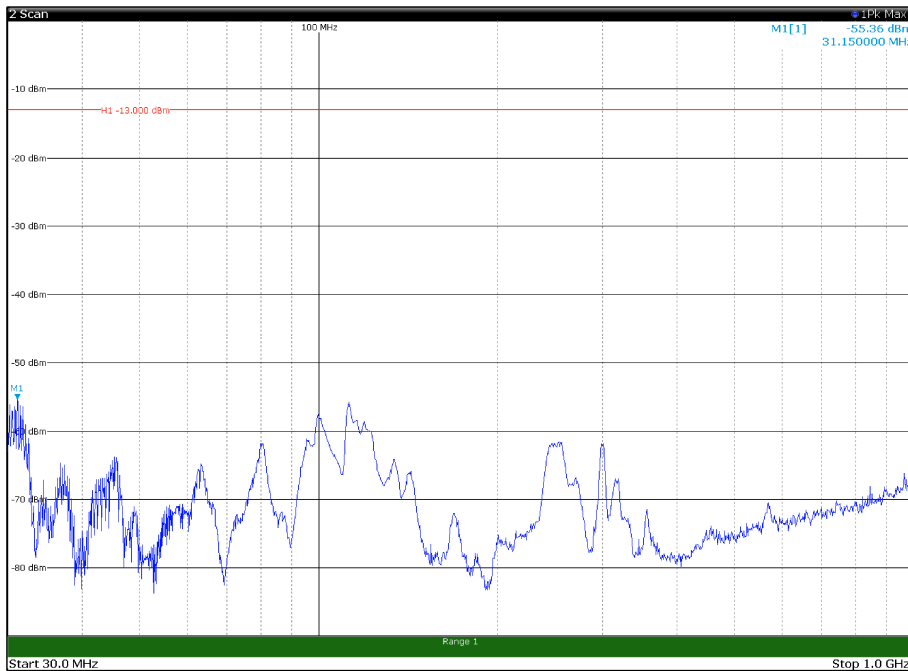
Channel: MIDDLE, Modulation: 256QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



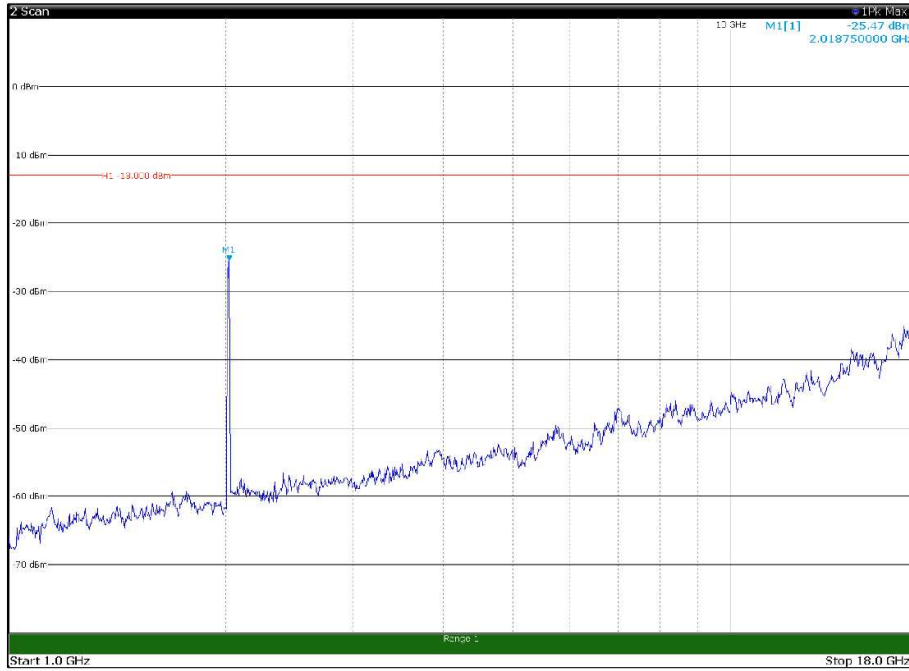
Channel: MIDDLE, Modulation: 256QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



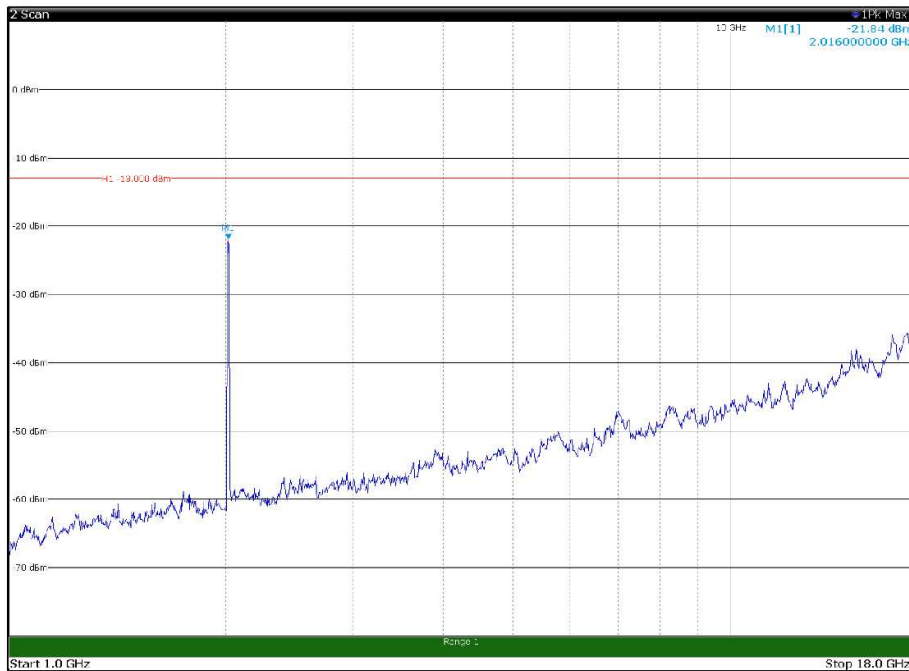
Channel: TOP, Modulation: 256QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



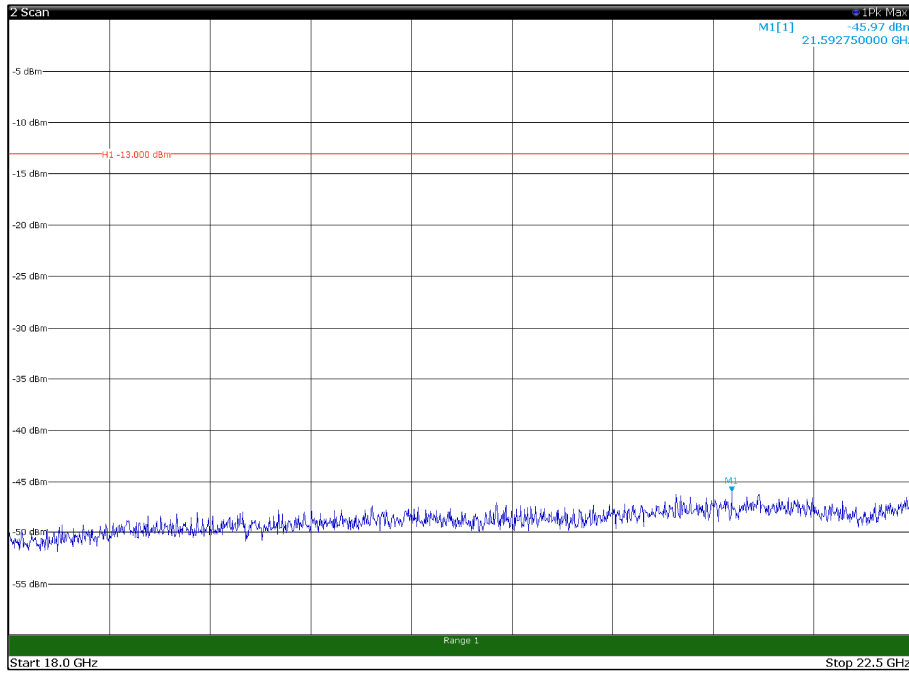
Channel: TOP, Modulation: 256QAM,  
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



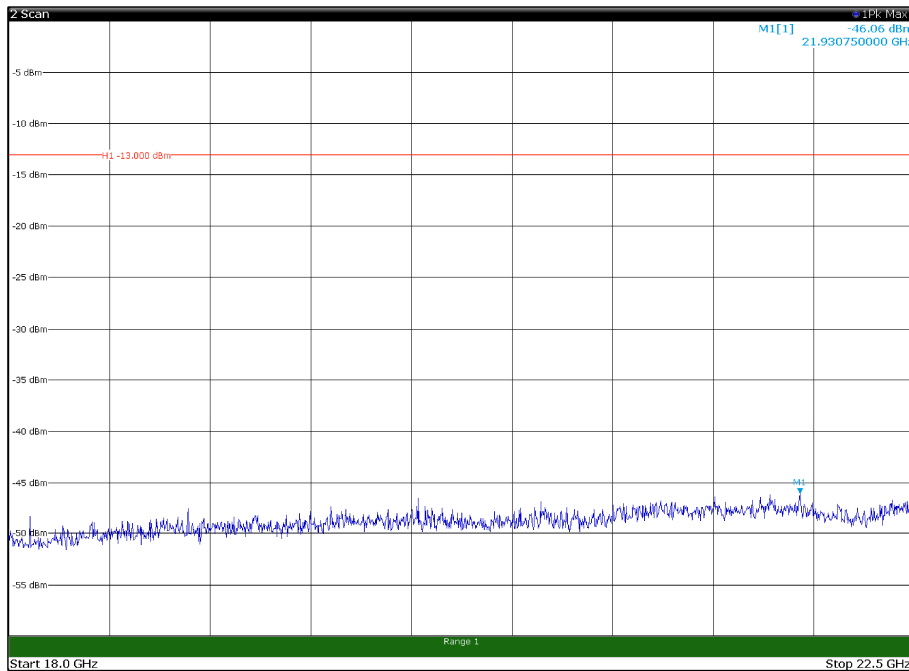
Channel: TOP, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,  
 BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical

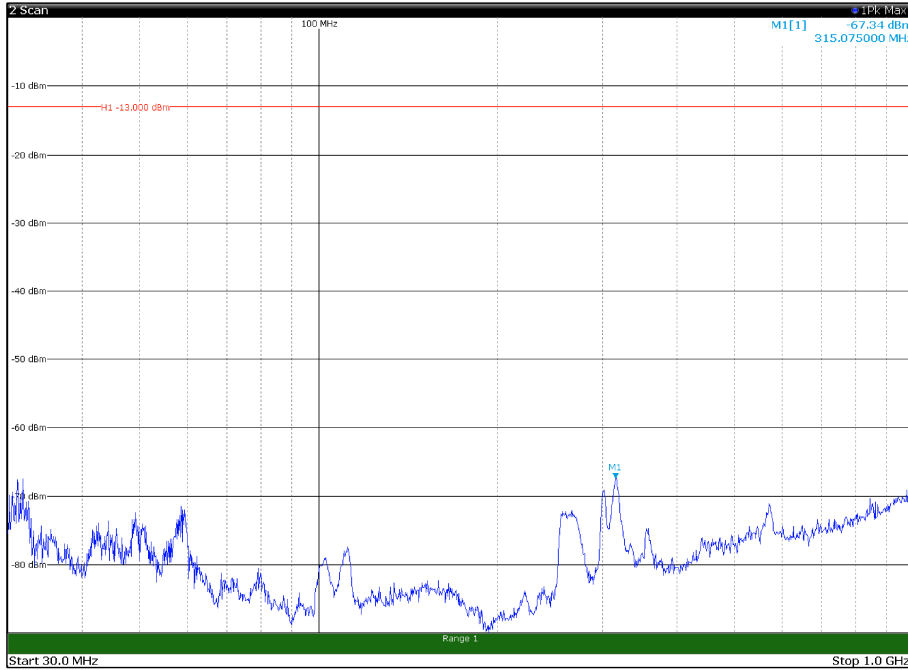


Channel: TOP, Modulation: 256QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal

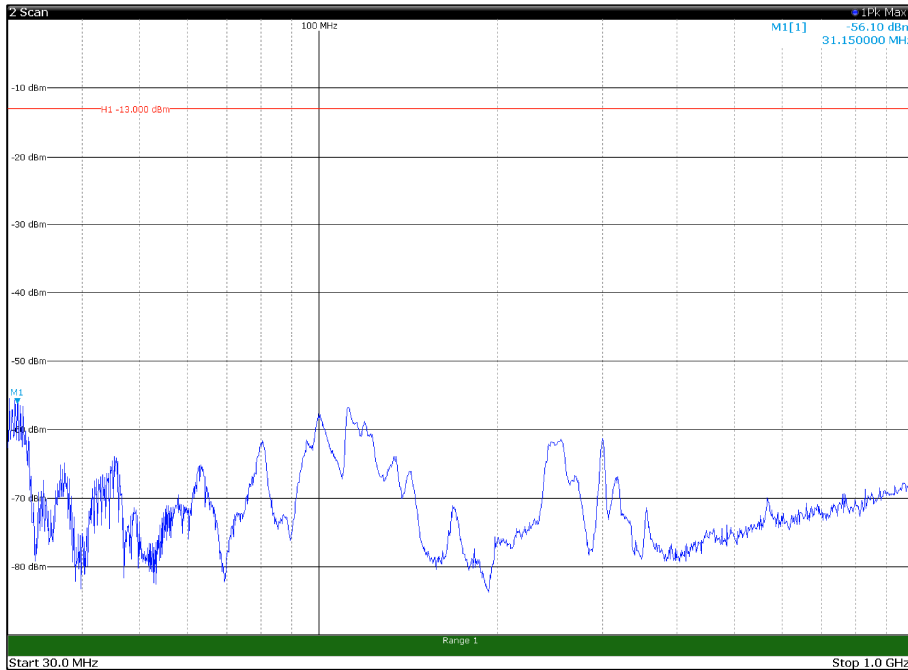


Channel: TOP, Modulation: 256QAM,  
BW=15MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

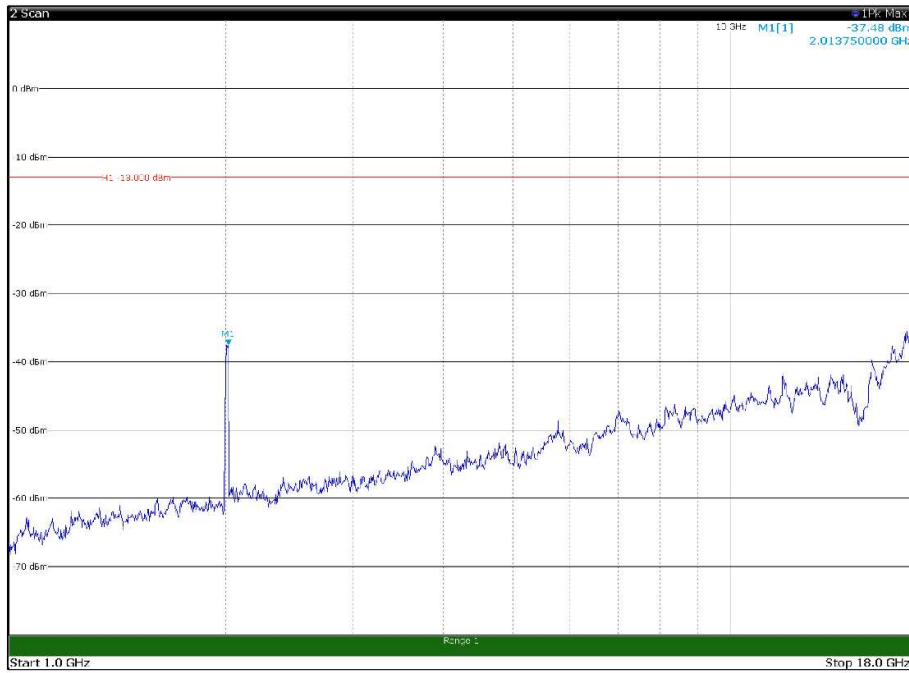




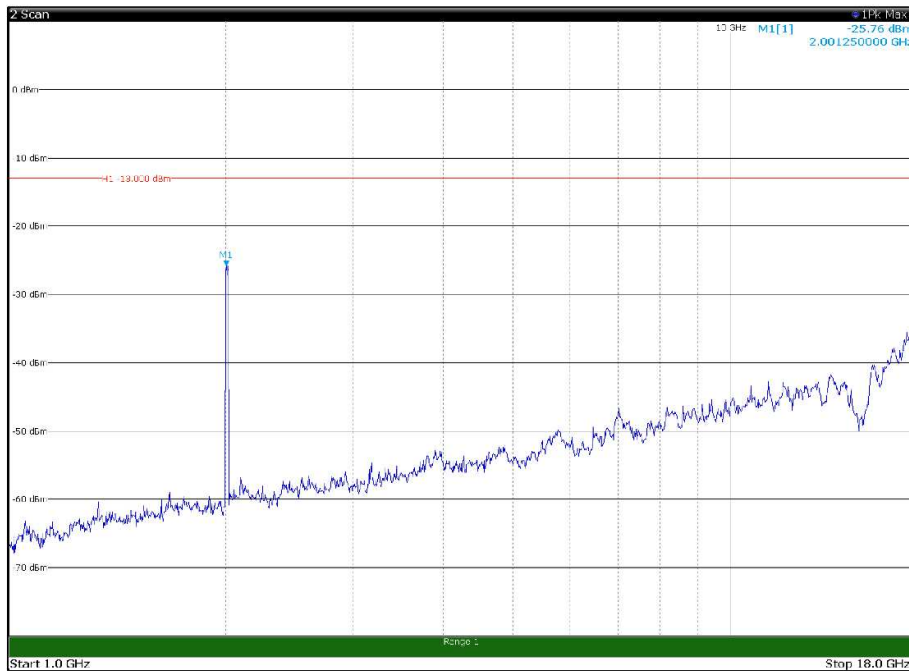
Channel: BOTTOM, Modulation: QPSK,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



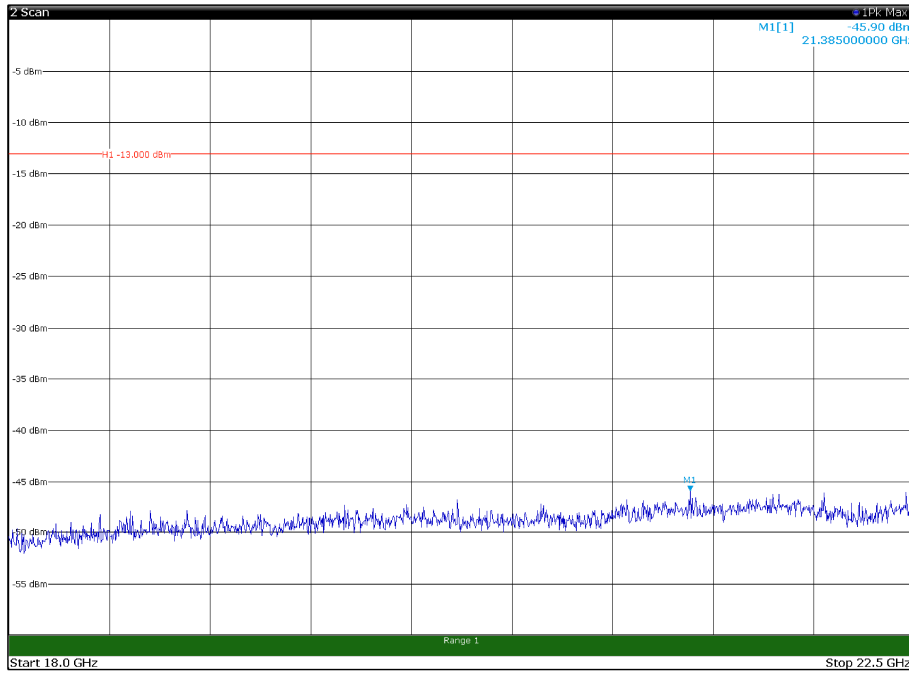
Channel: BOTTOM, Modulation: QPSK,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



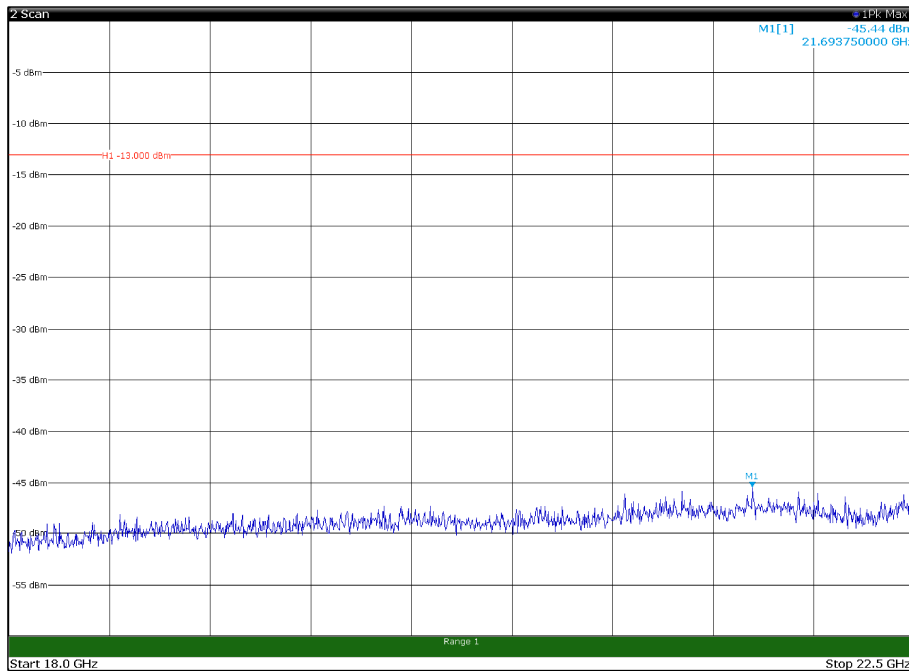
Channel: BOTTOM, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



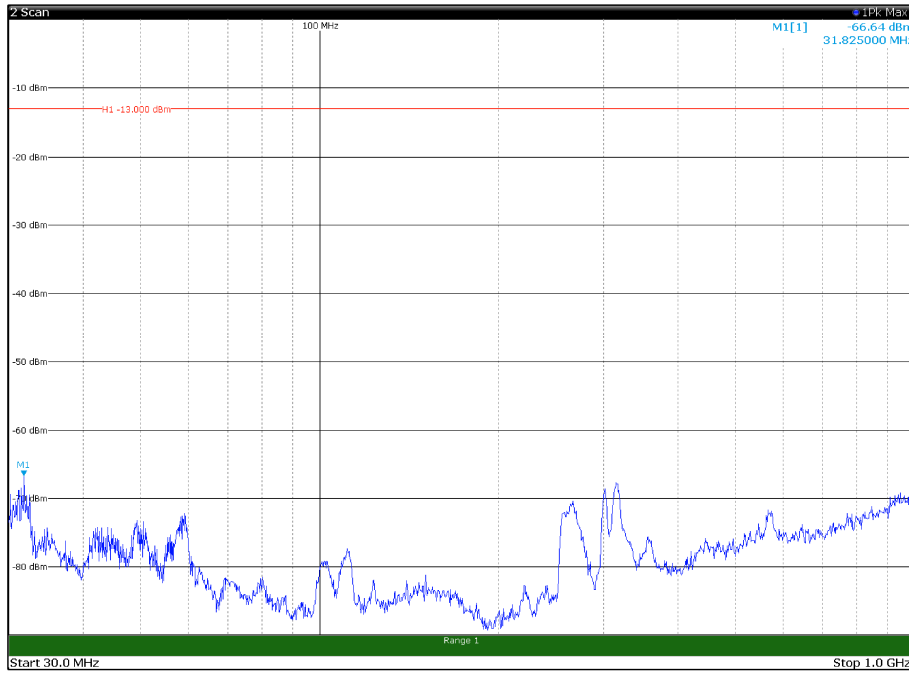
Channel: BOTTOM, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



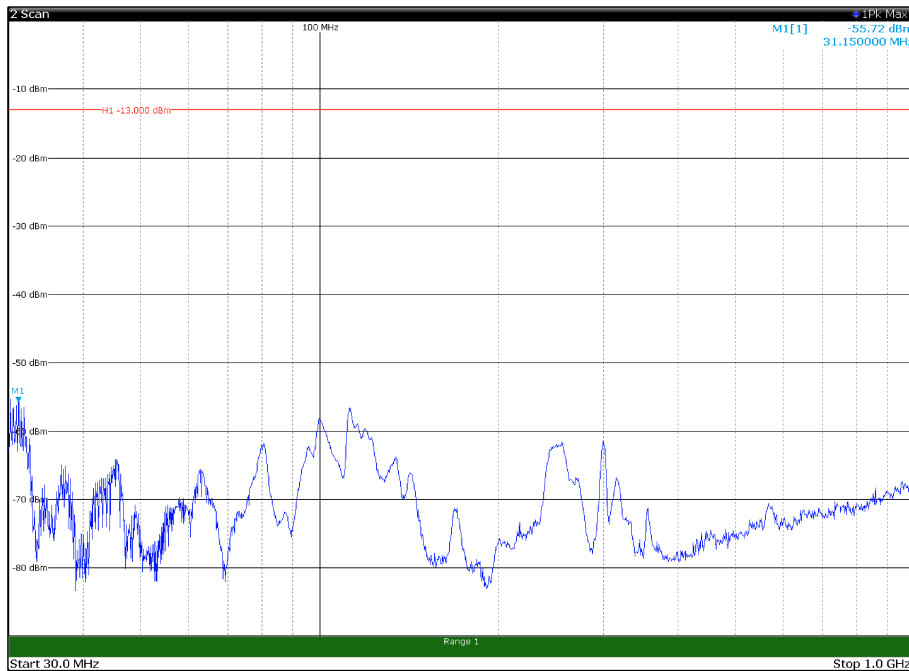
Channel: BOTTOM, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



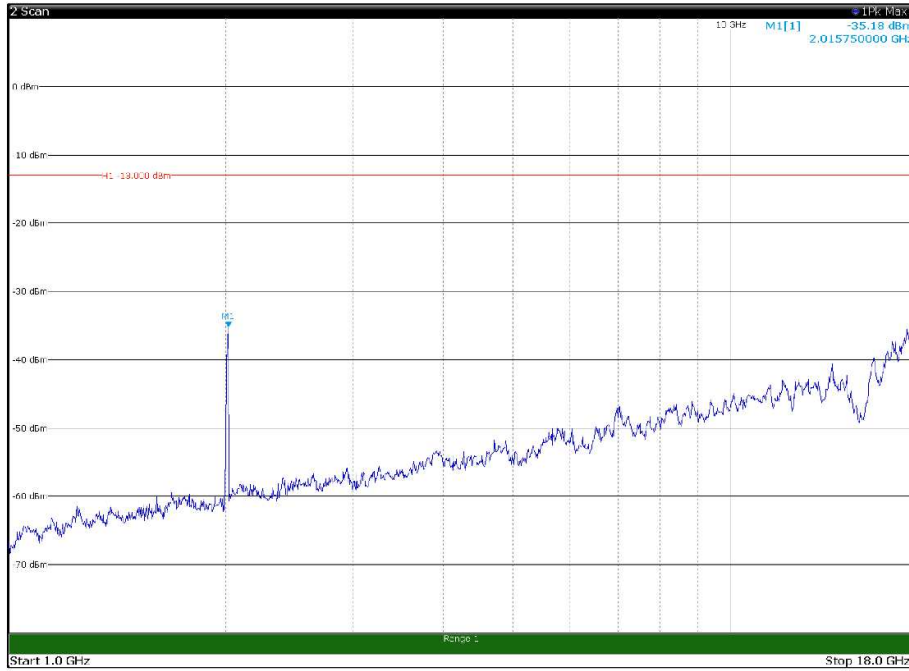
Channel: BOTTOM, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



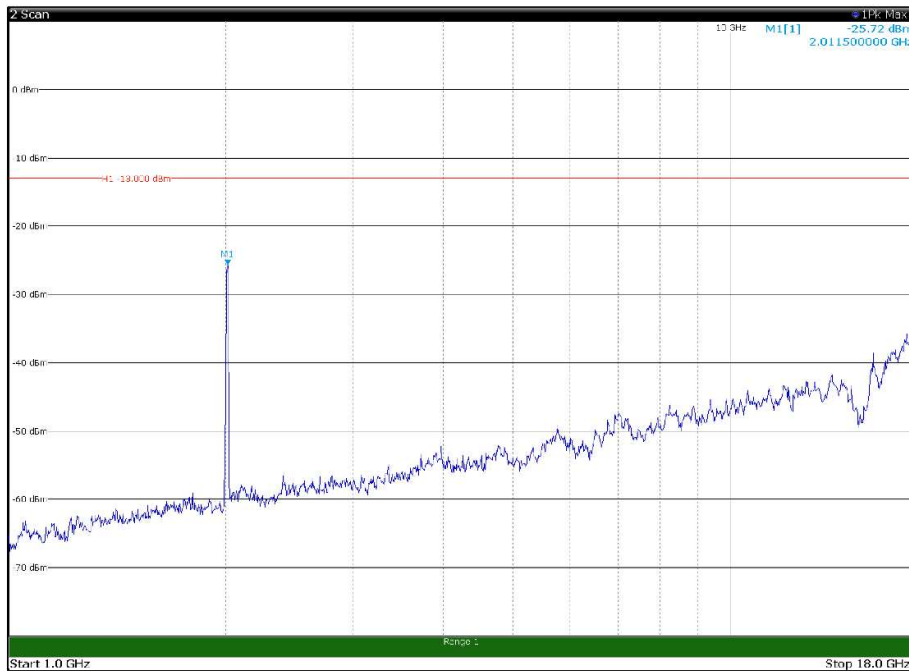
Channel: MIDDLE, Modulation: QPSK,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



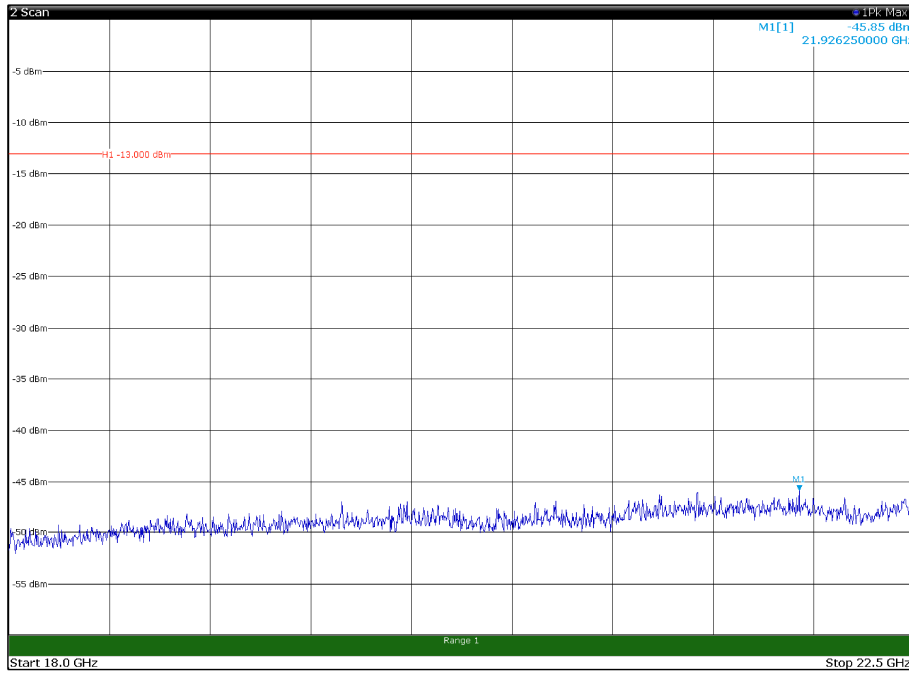
Channel: MIDDLE, Modulation: QPSK,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



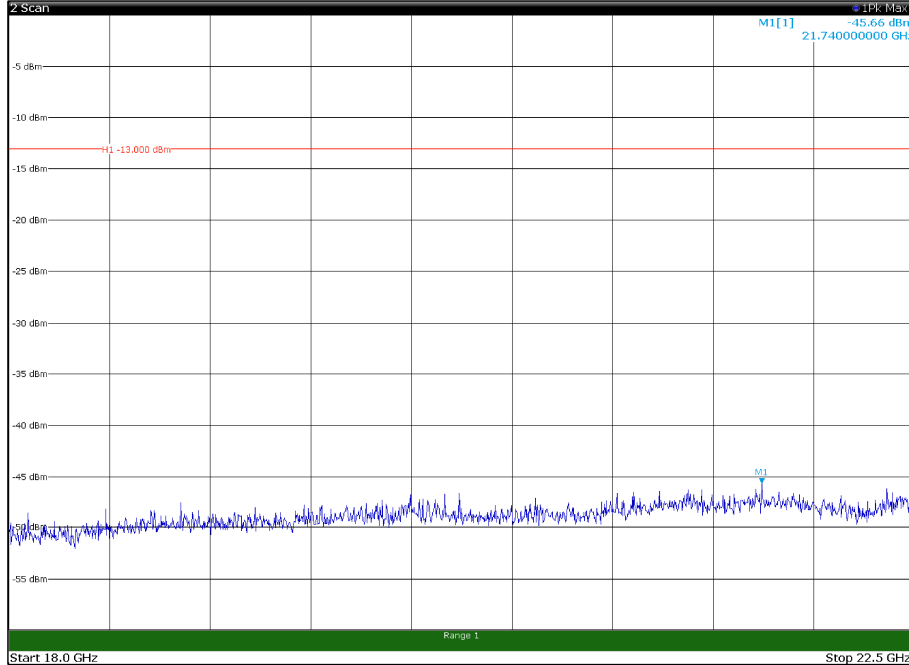
Channel: MIDDLE, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



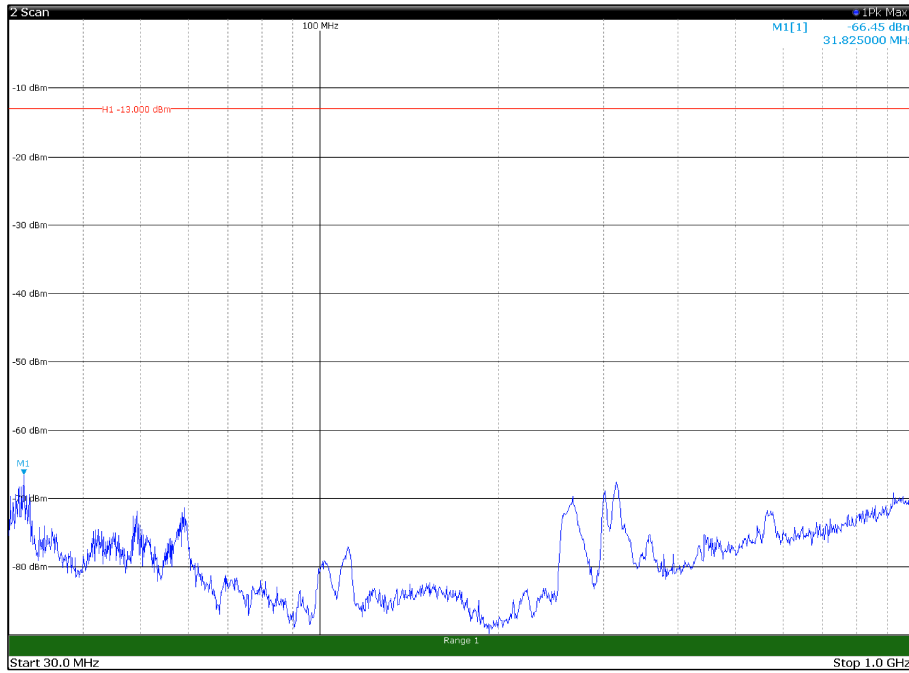
Channel: MIDDLE, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



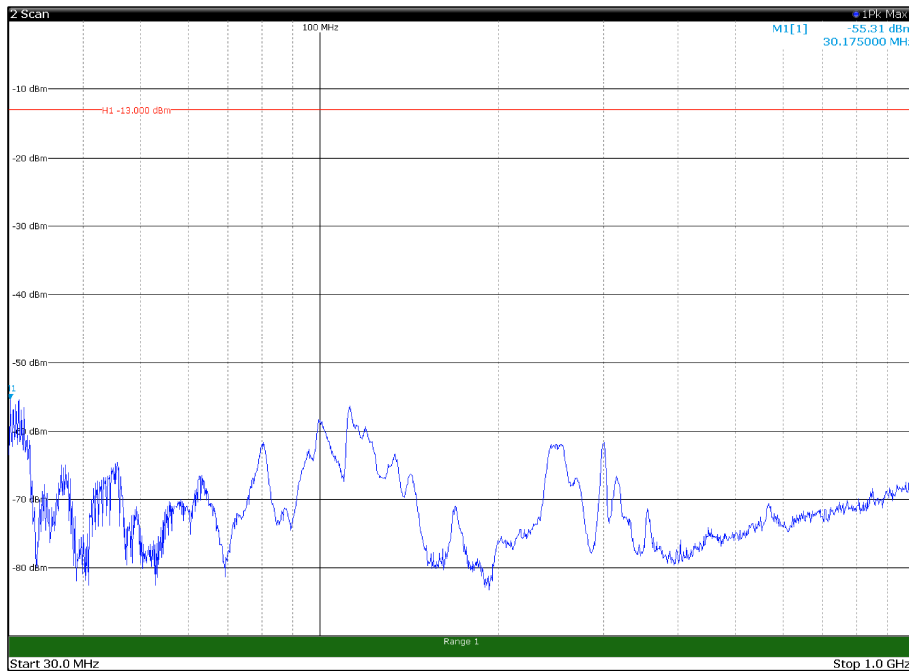
Channel: MIDDLE, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



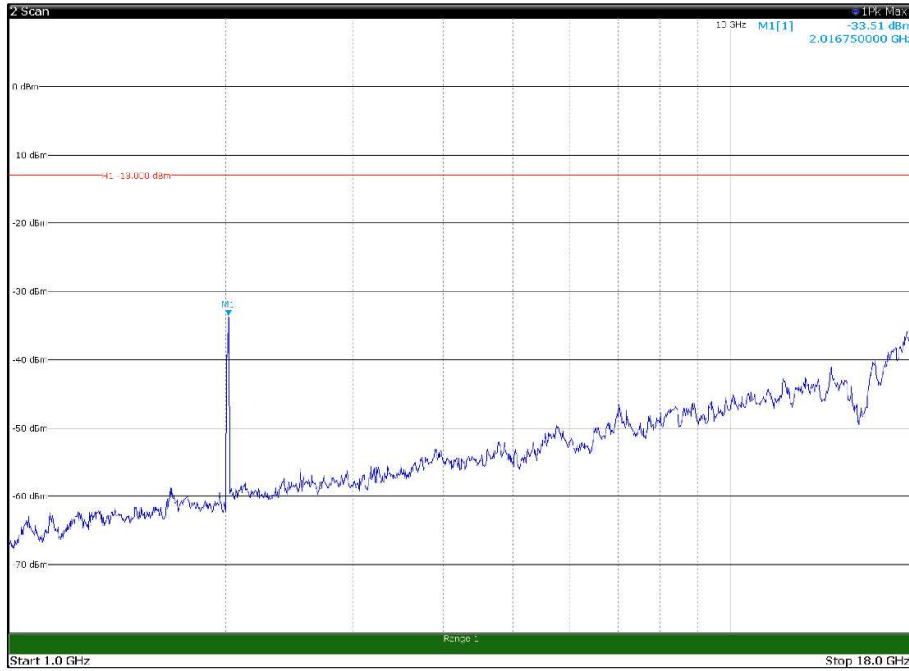
Channel: MIDDLE, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



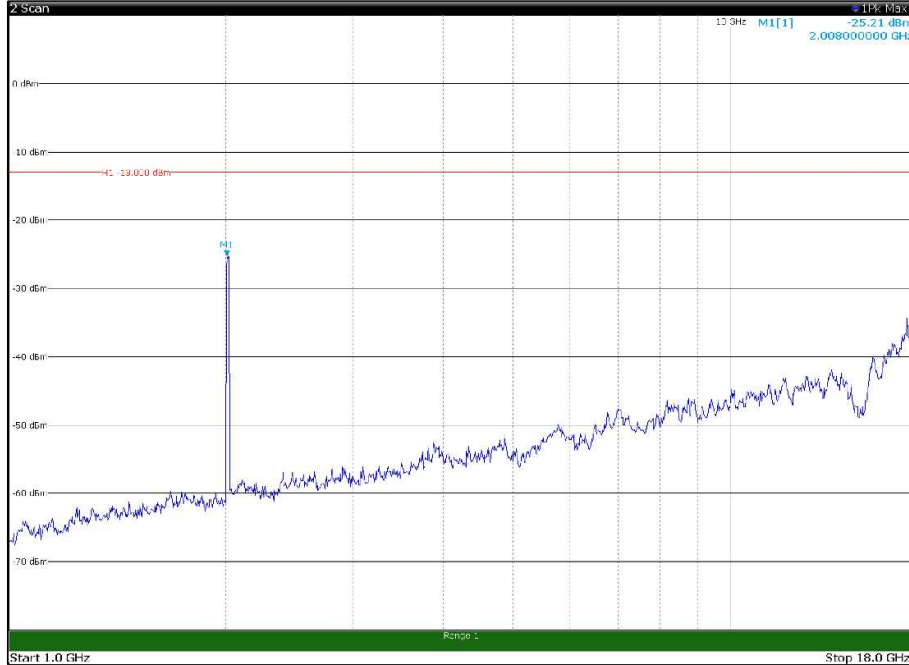
Channel: TOP, Modulation: QPSK,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



Channel: TOP, Modulation: QPSK,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical

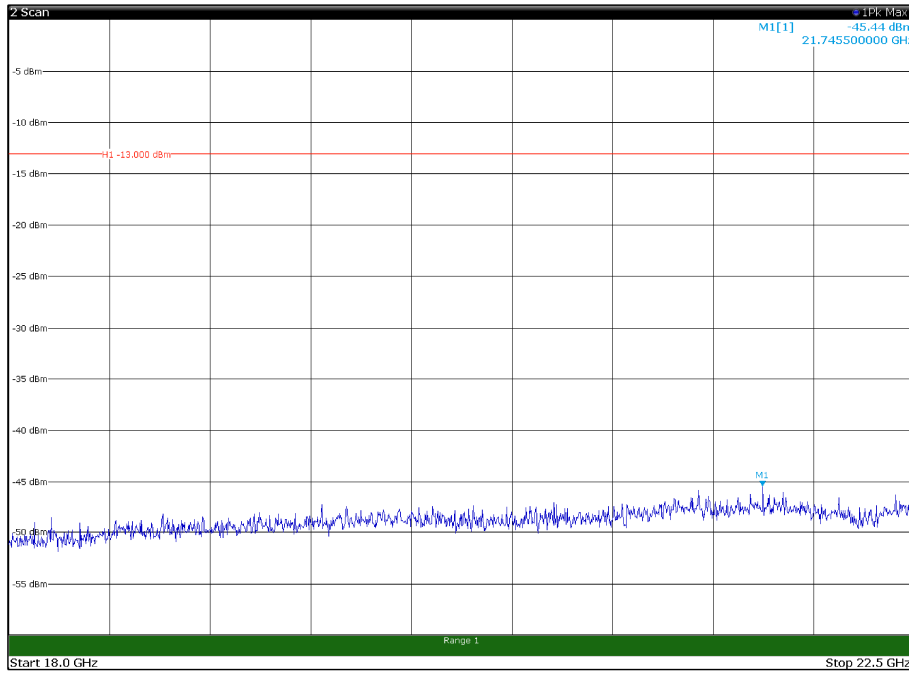


Channel: TOP, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal

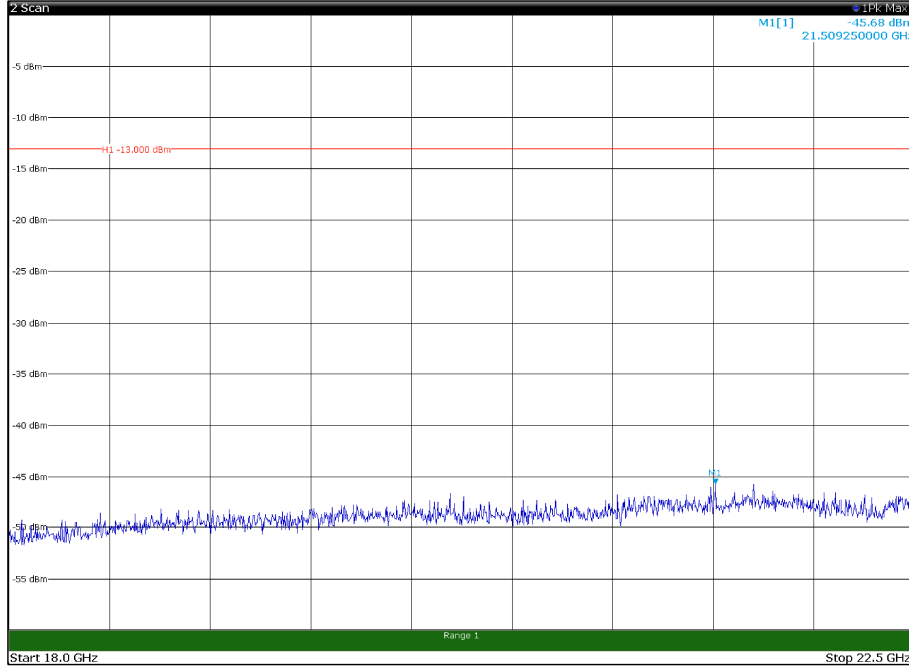


Channel: TOP, Modulation: QPSK,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical

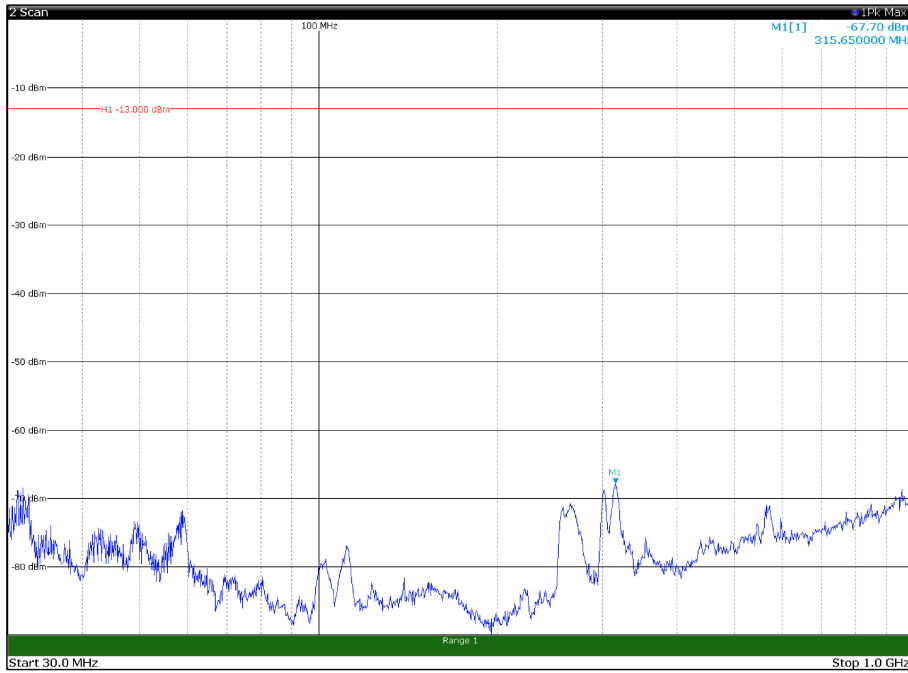




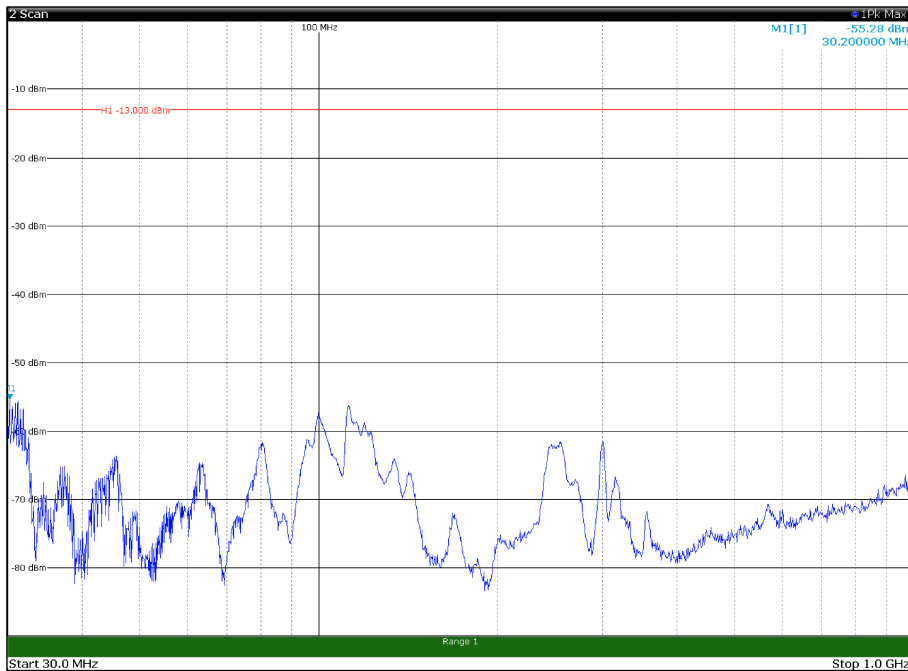
Channel: TOP, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



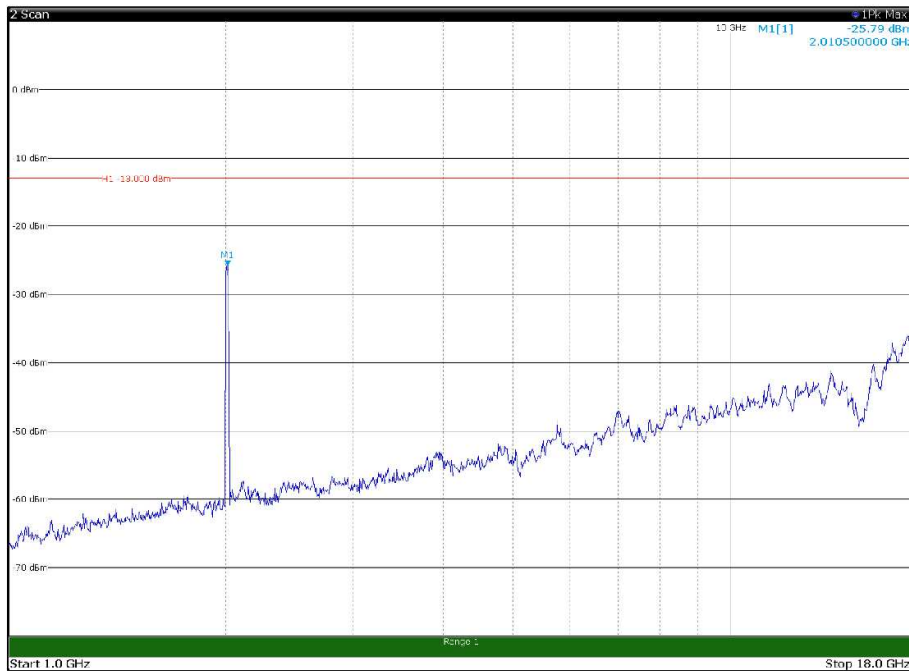
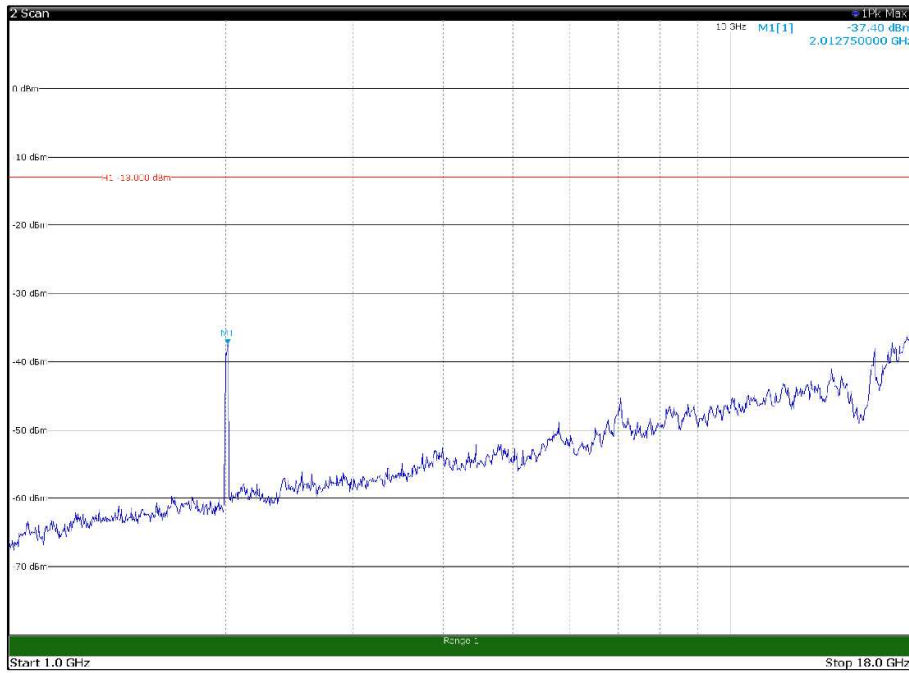
Channel: TOP, Modulation: QPSK,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

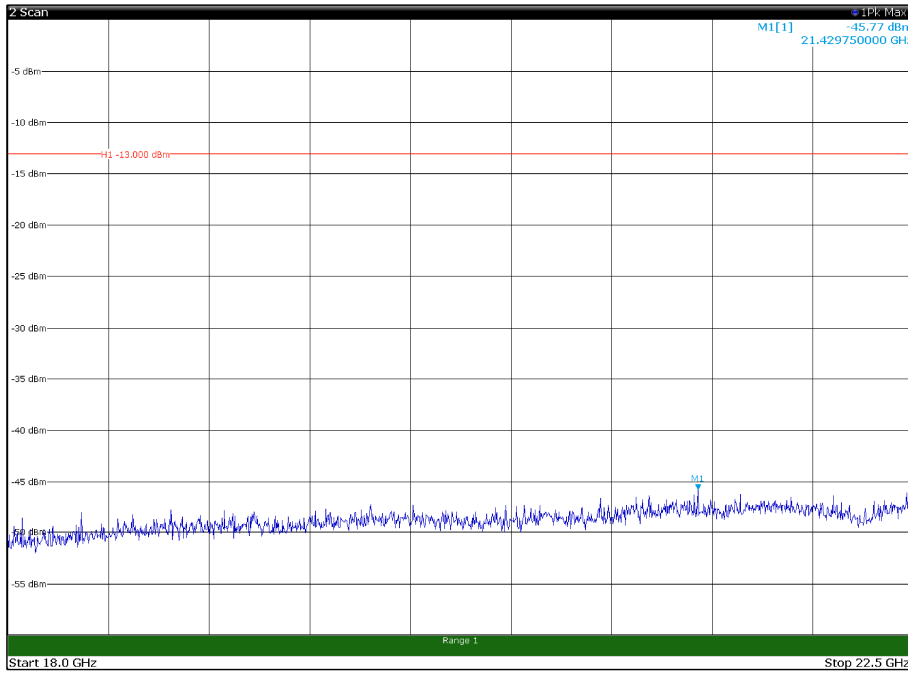


Channel: BOTTOM, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal

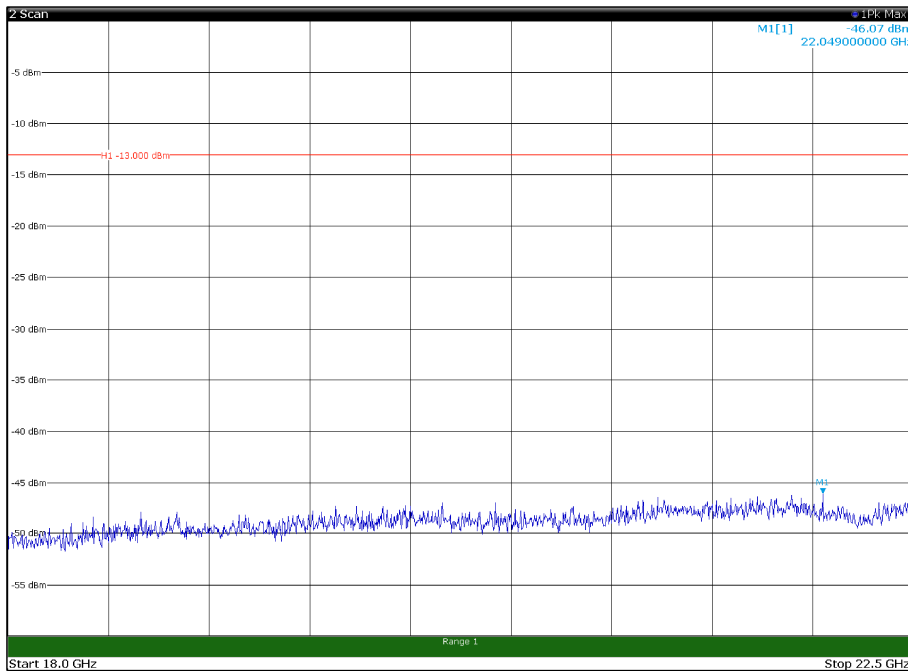


Channel: BOTTOM, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical

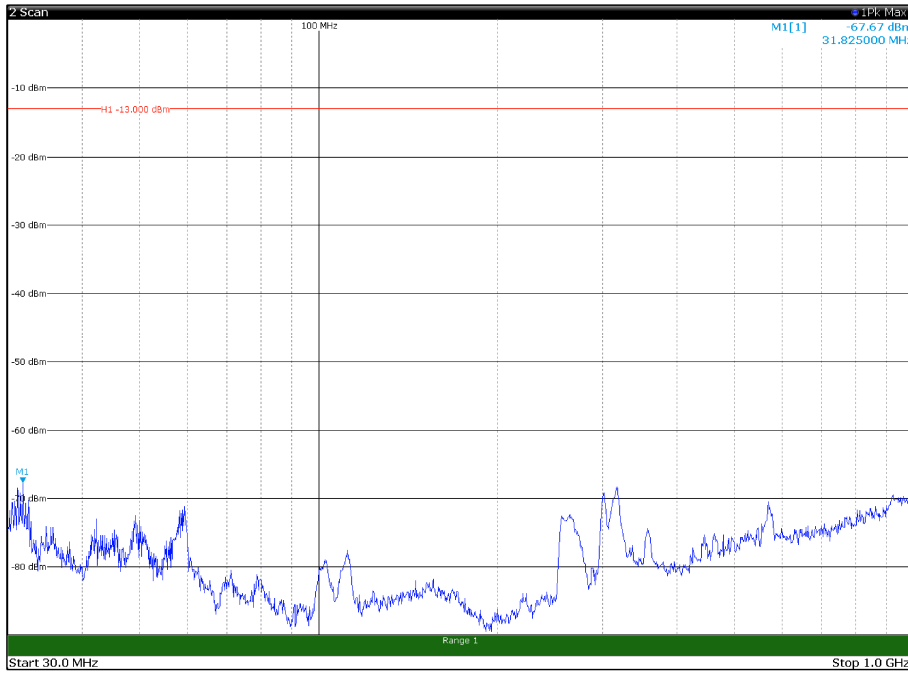




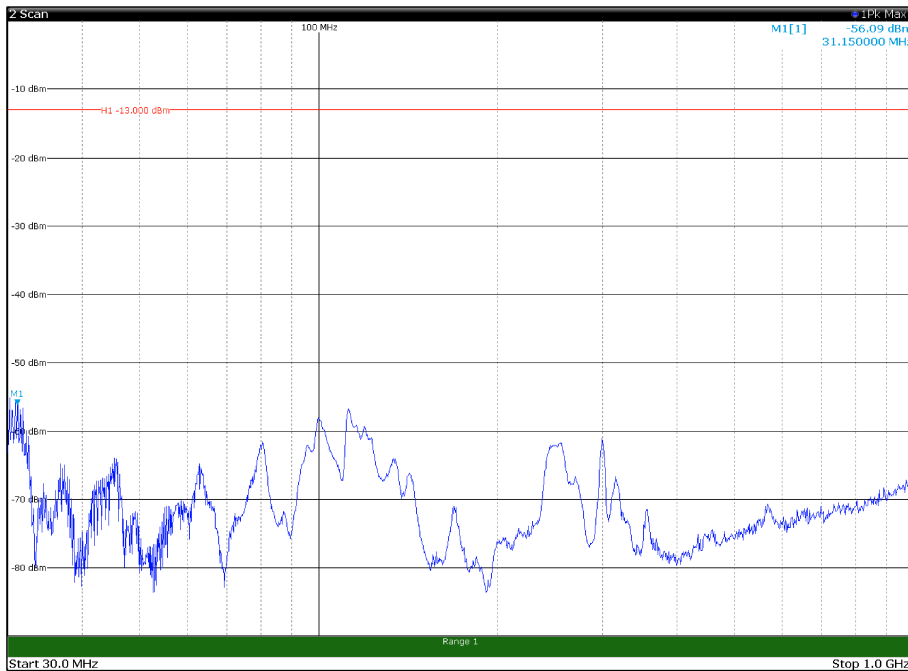
Channel: BOTTOM, Modulation: 16QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



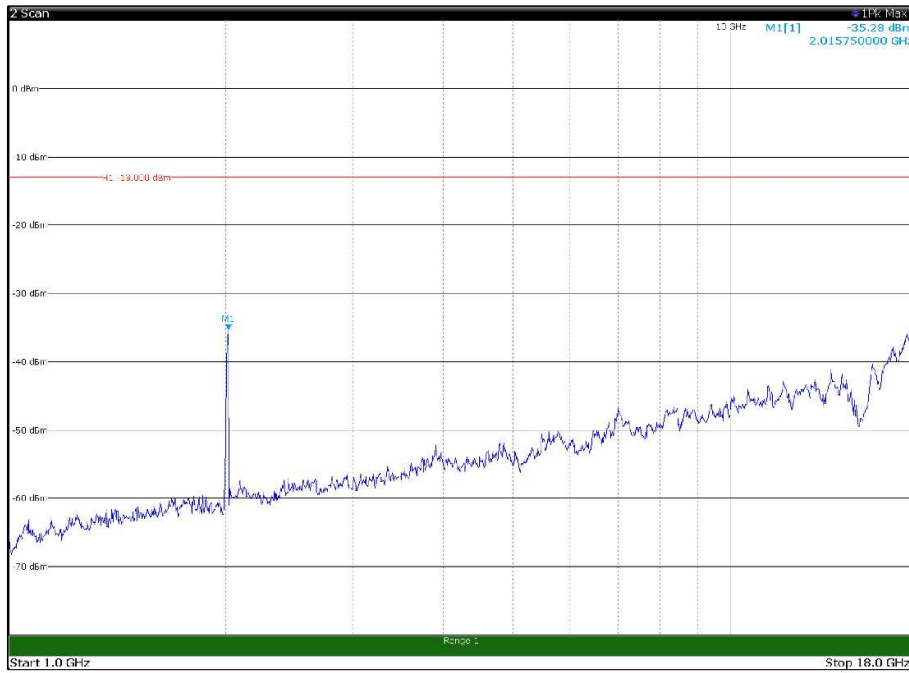
Channel: BOTTOM, Modulation: 16QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



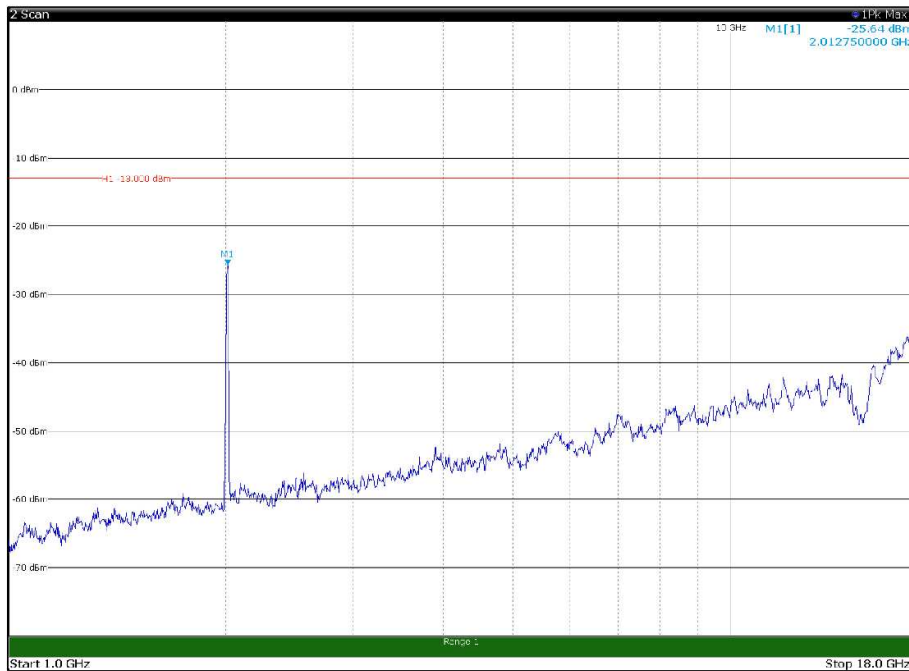
Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



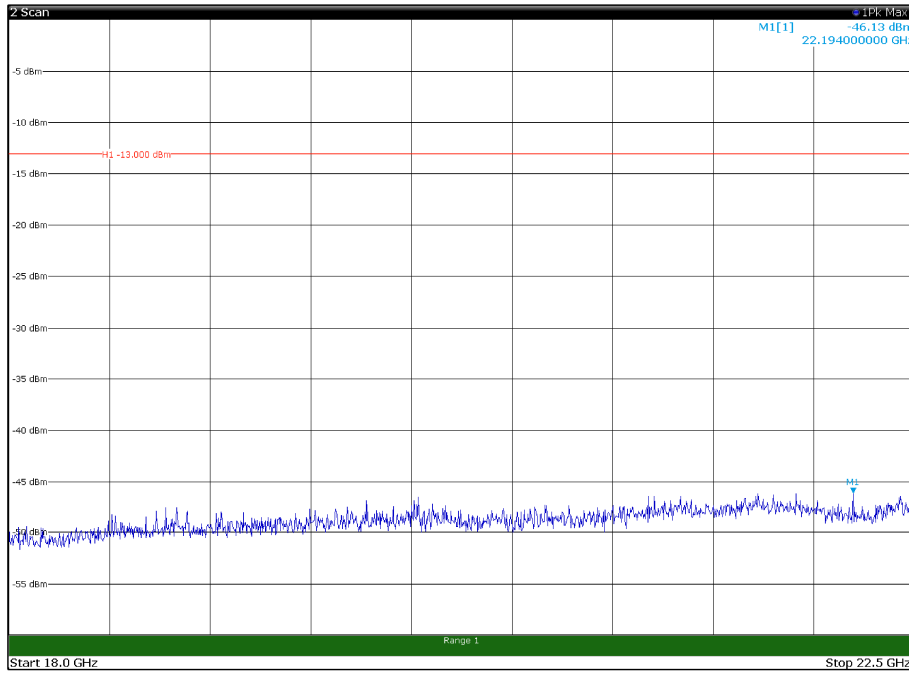
Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



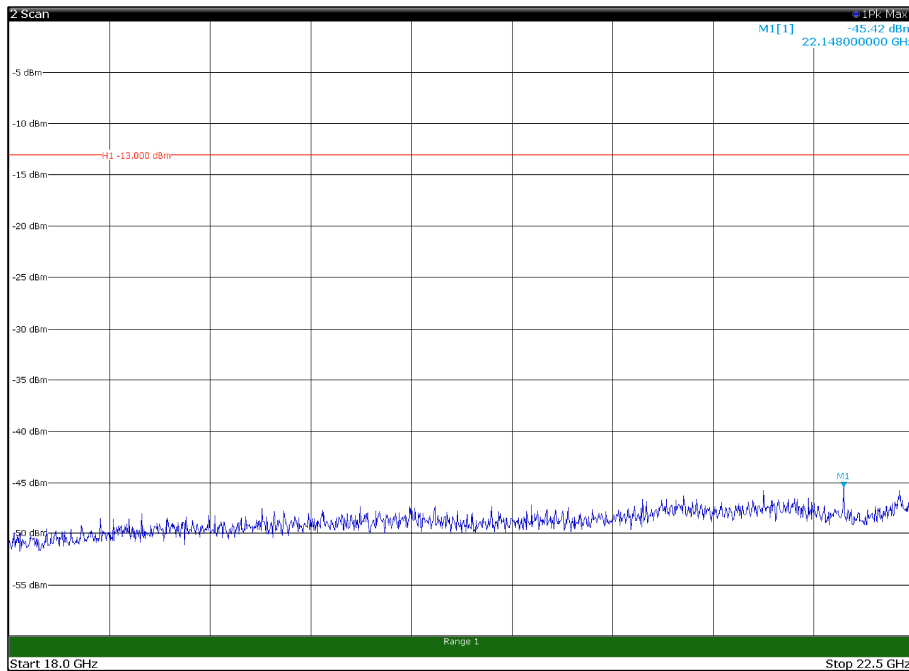
Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



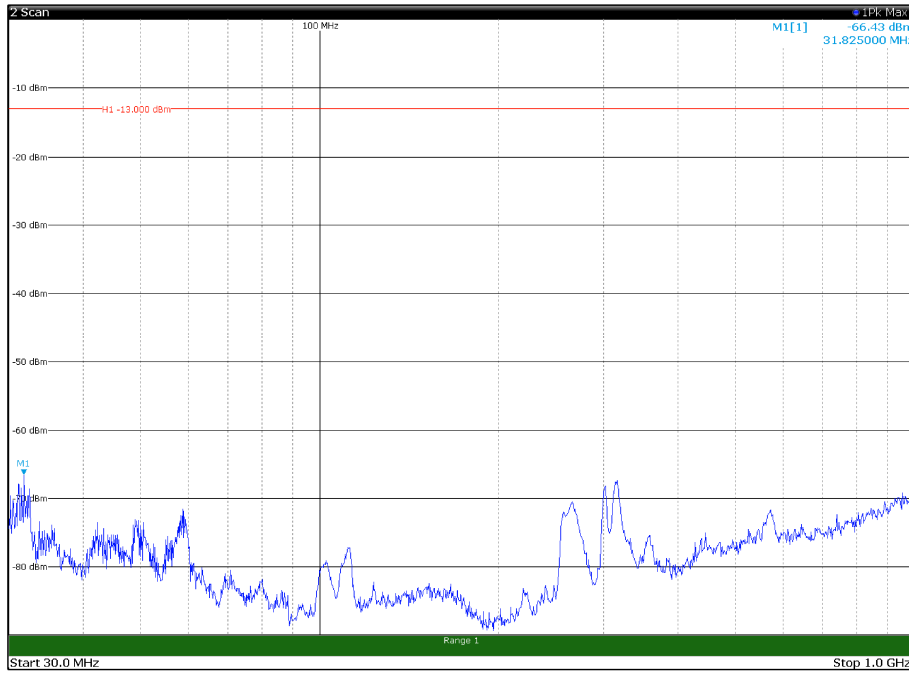
Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



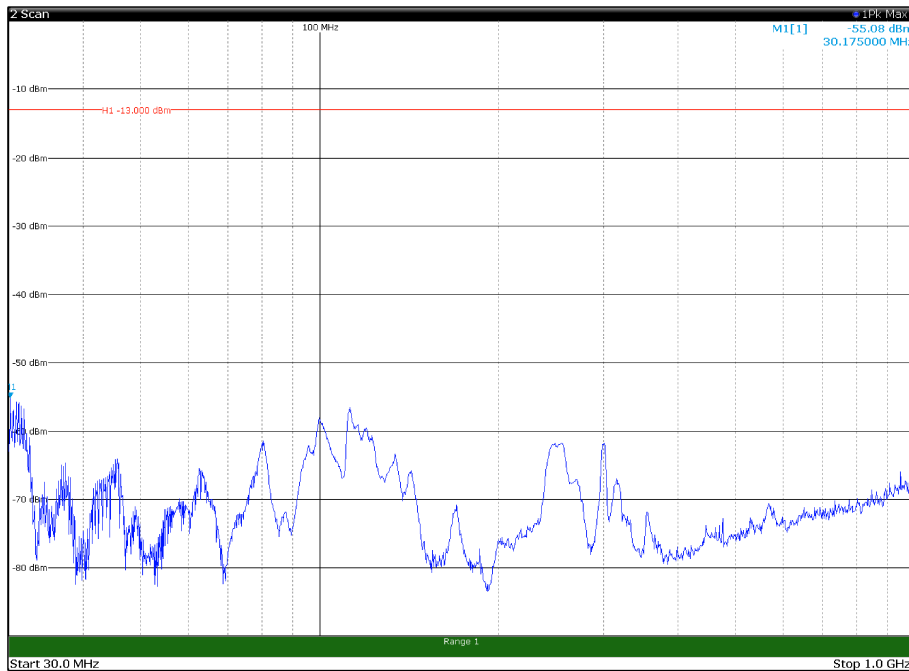
Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



Channel: MIDDLE, Modulation: 16QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

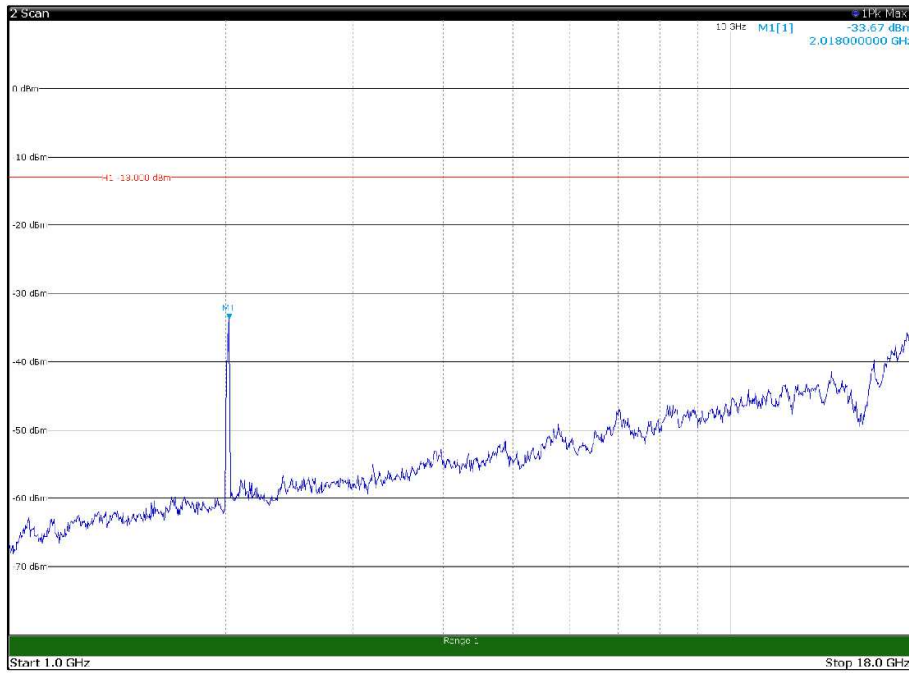


Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal

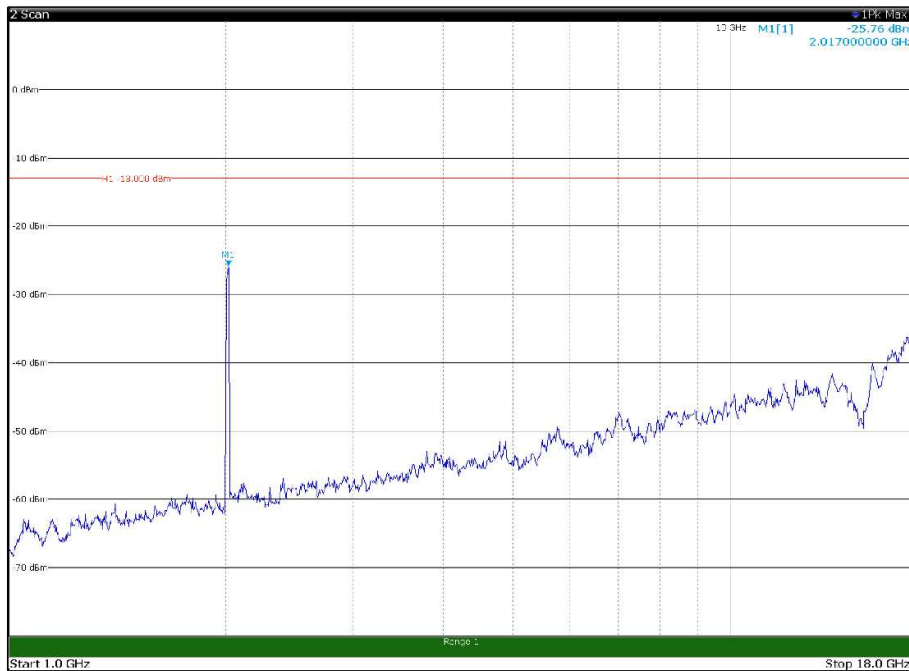


Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical

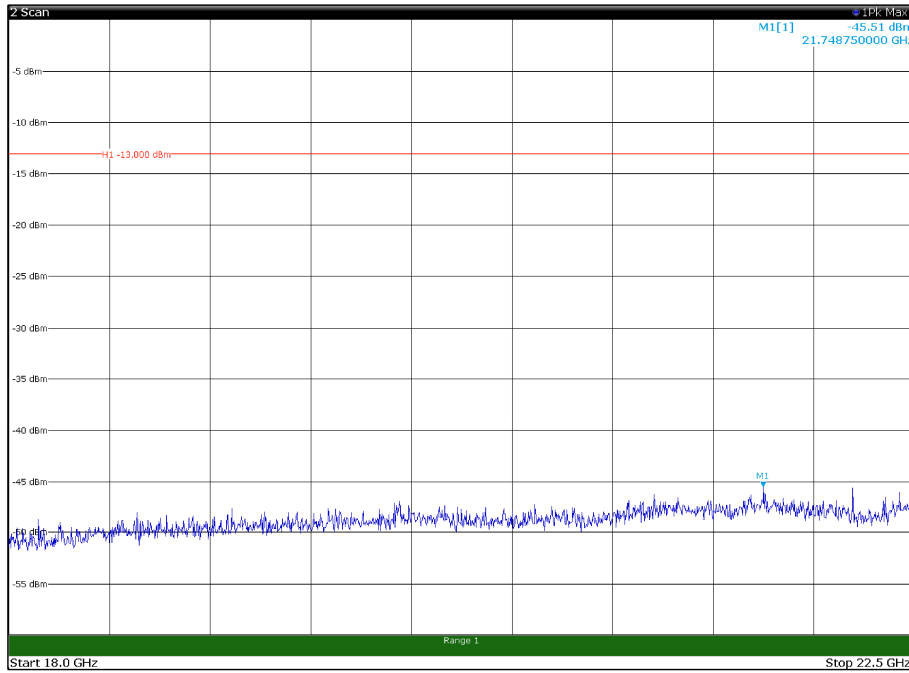




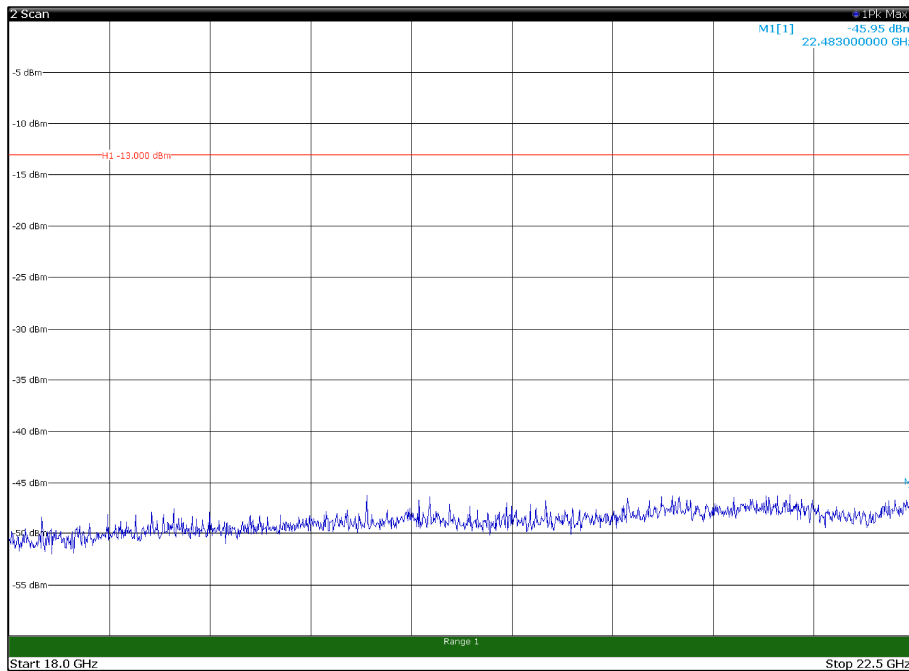
Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



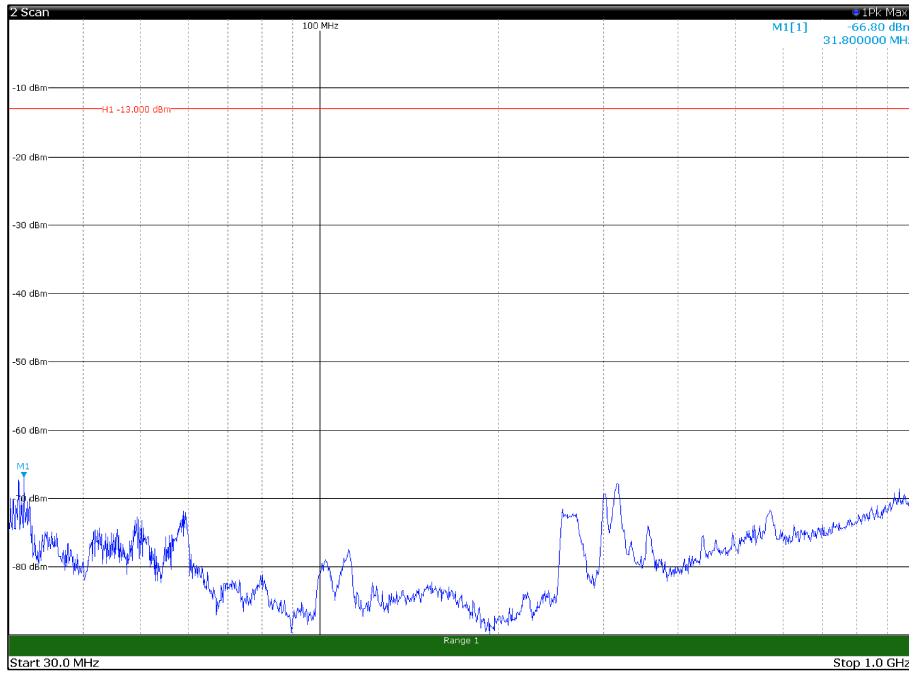
Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



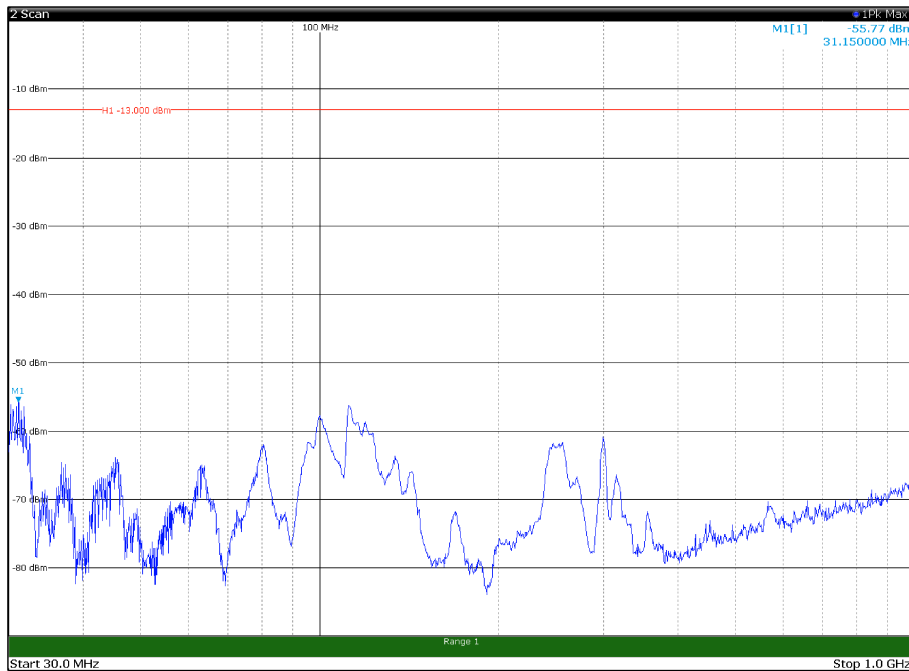
Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



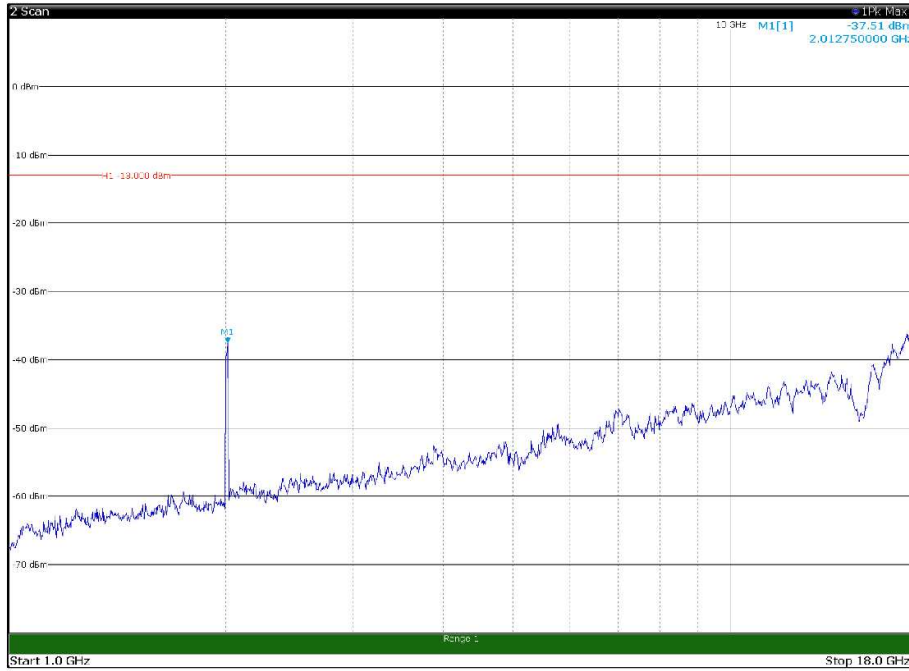
Channel: TOP, Modulation: 16QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



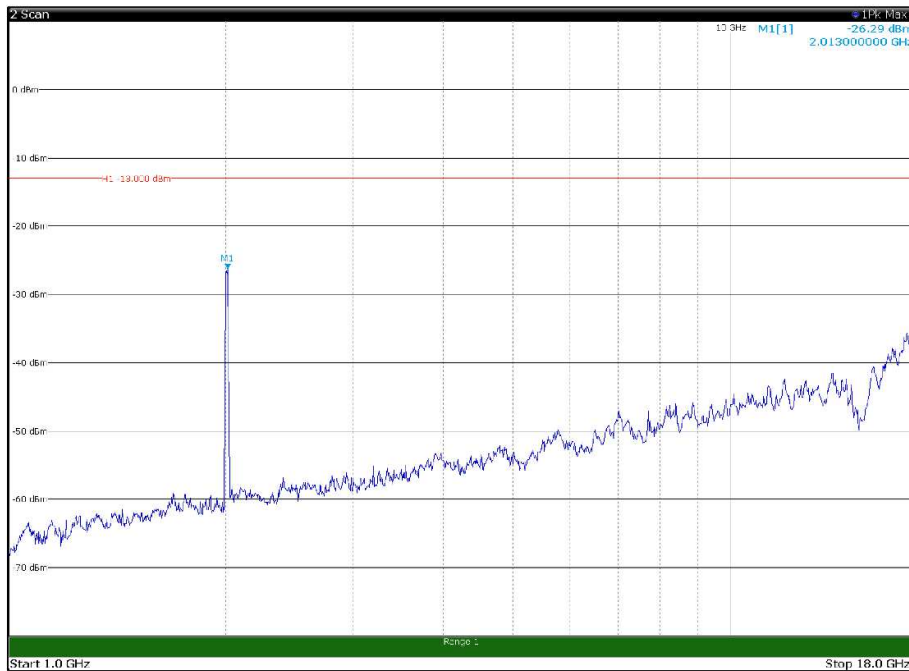
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



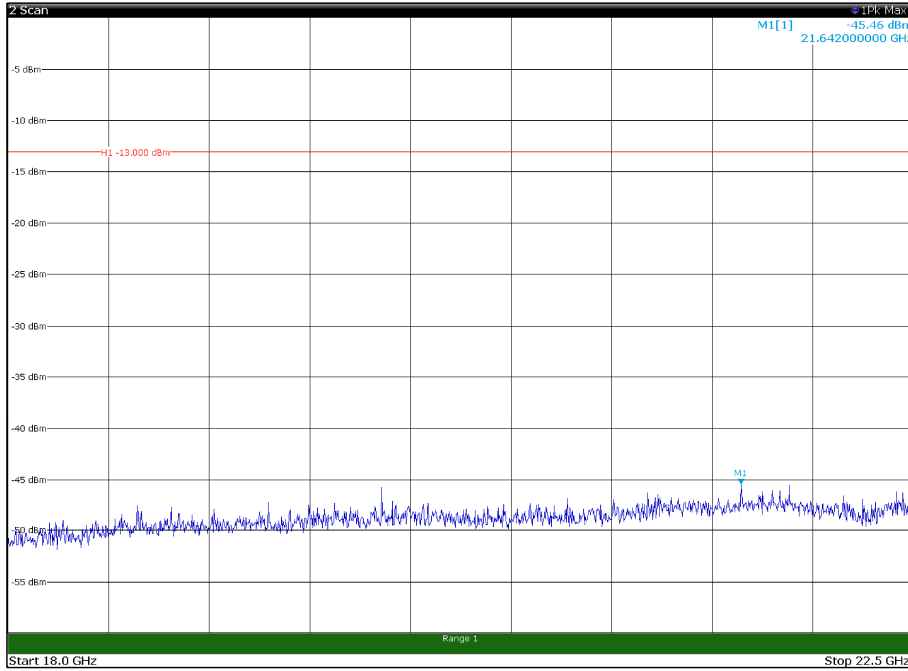
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



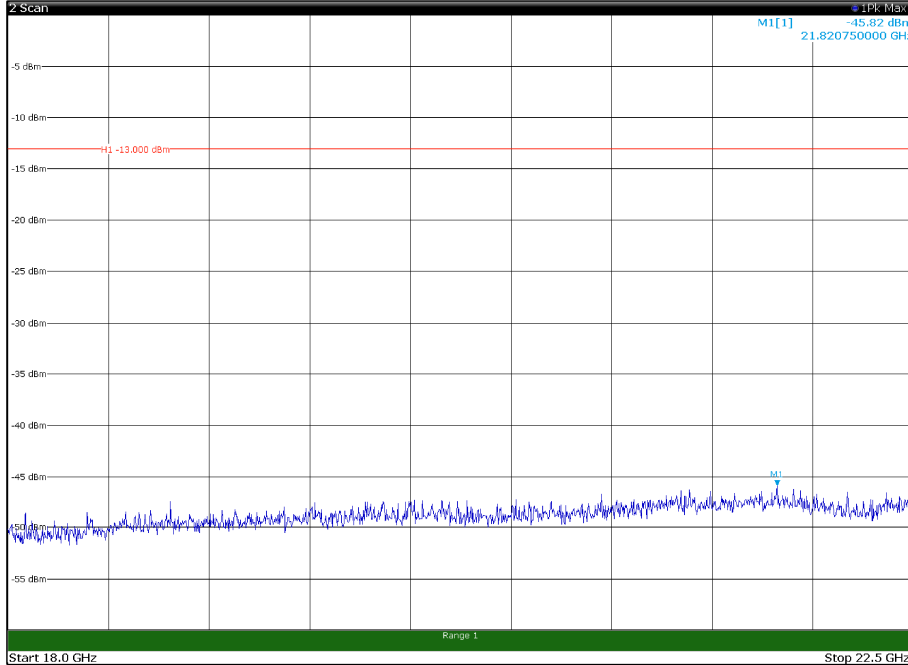
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



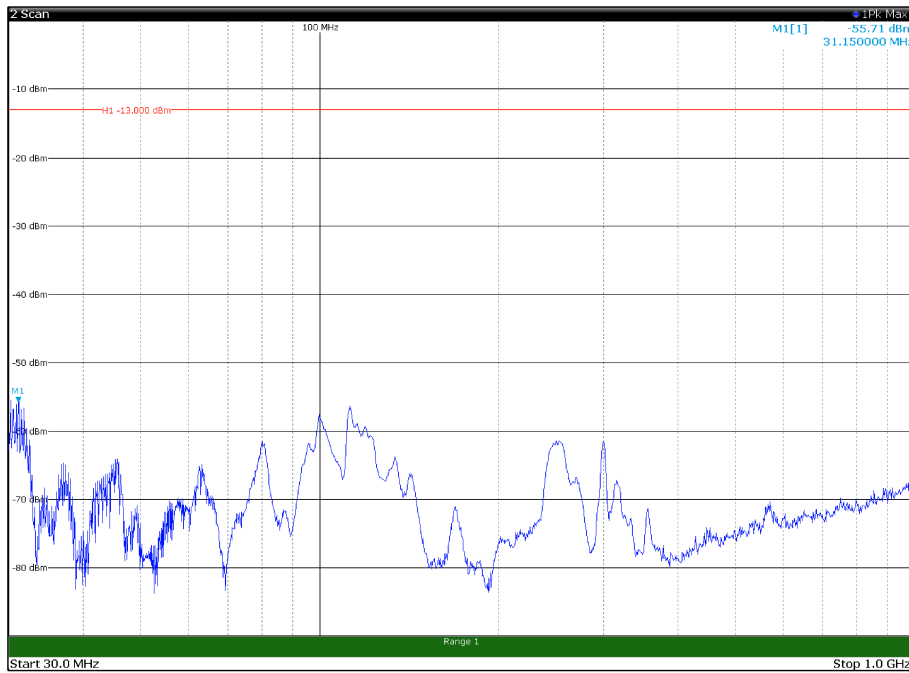
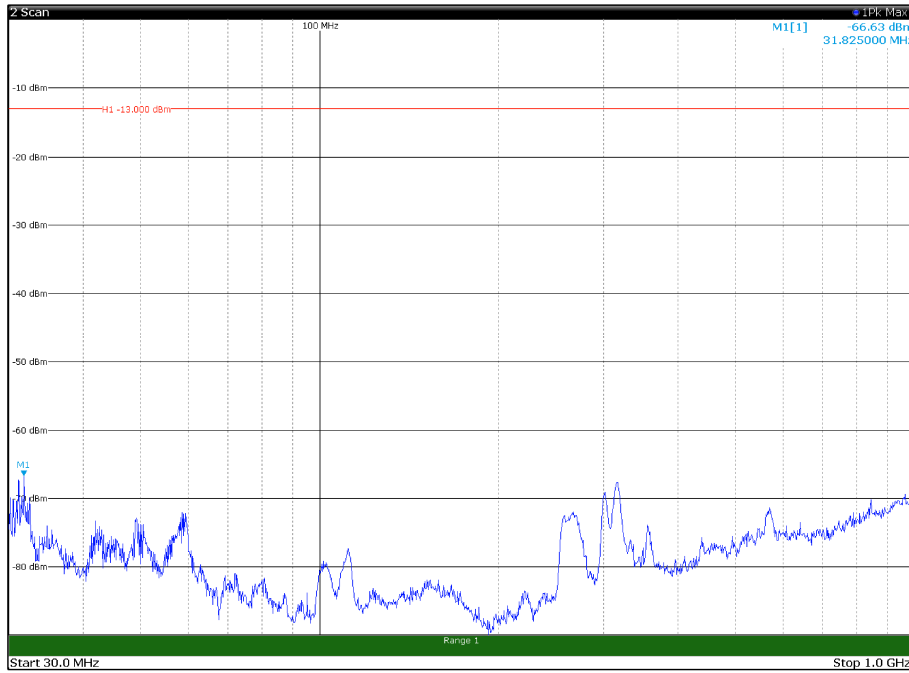
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical

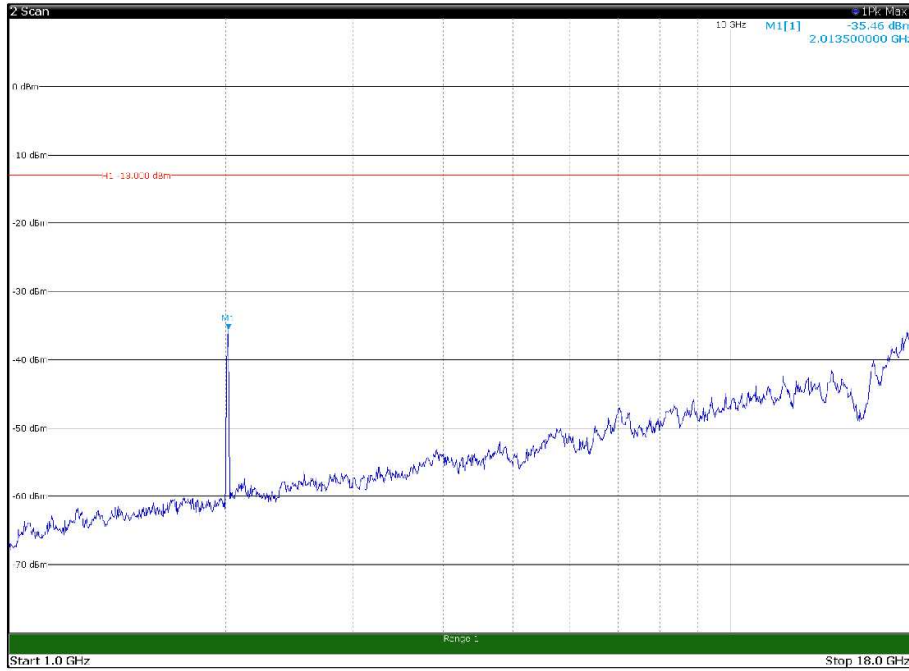


Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal

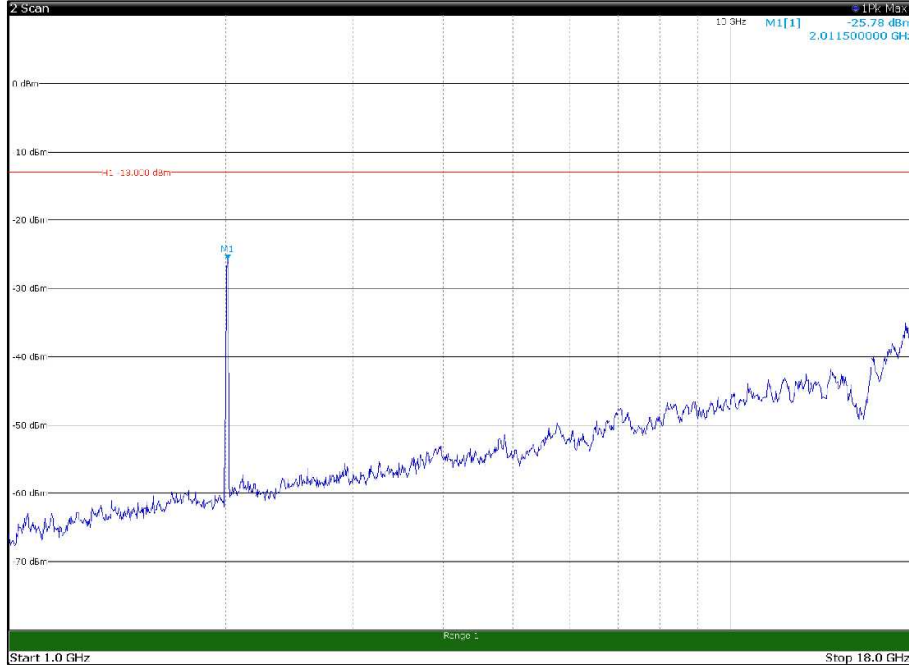


Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

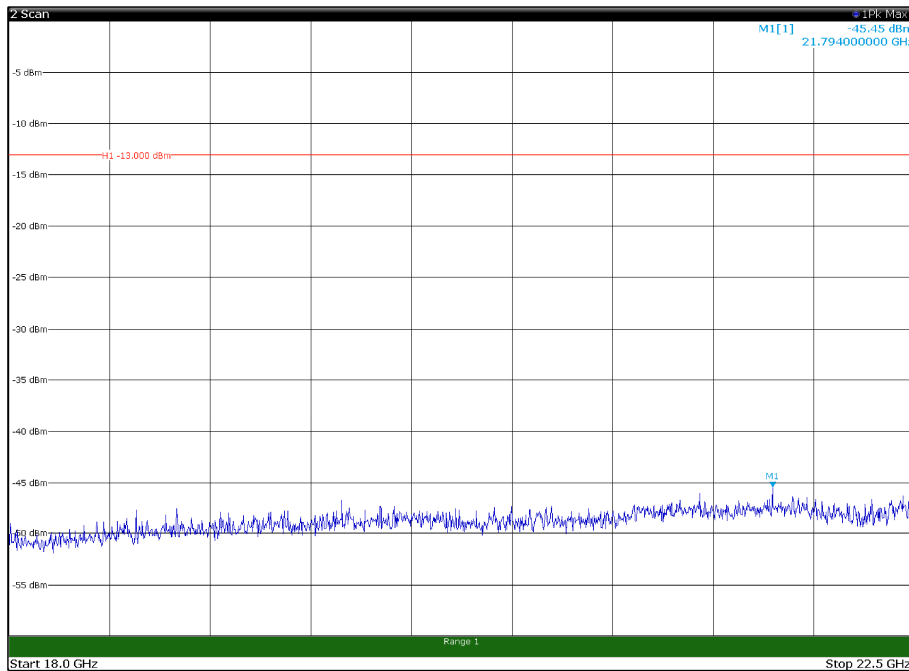
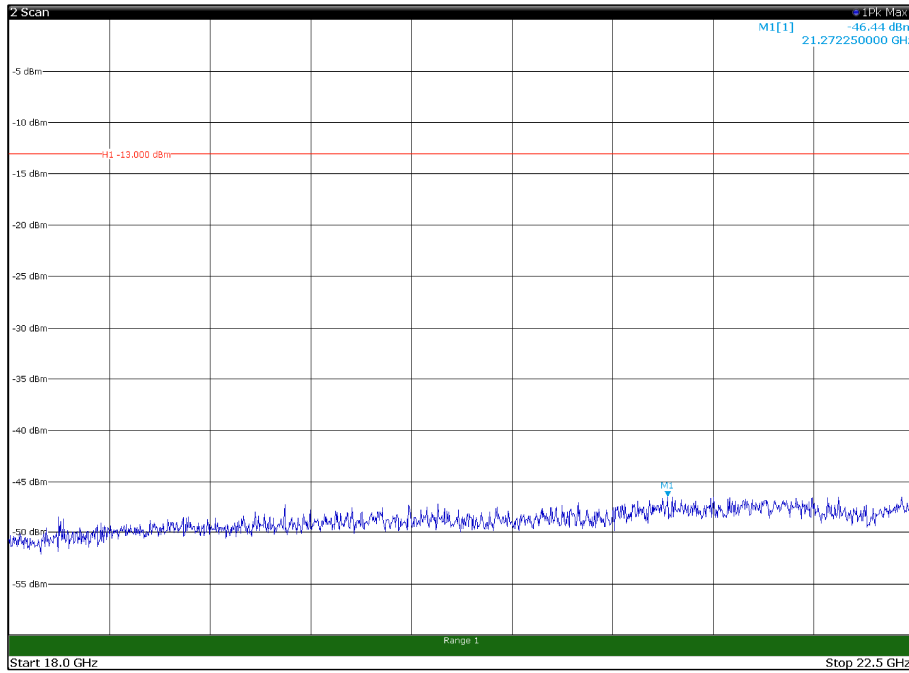




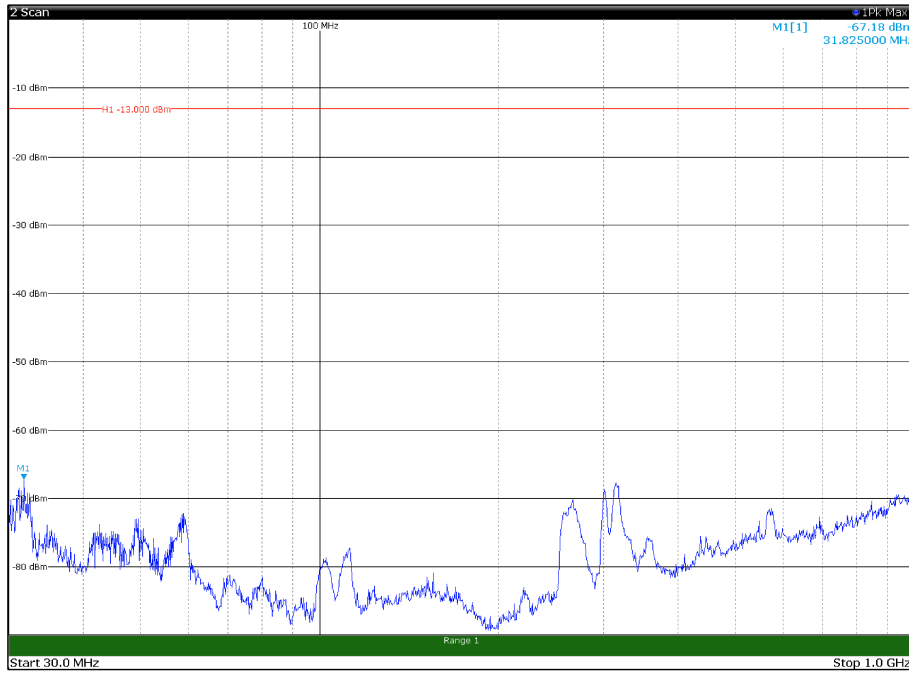
Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



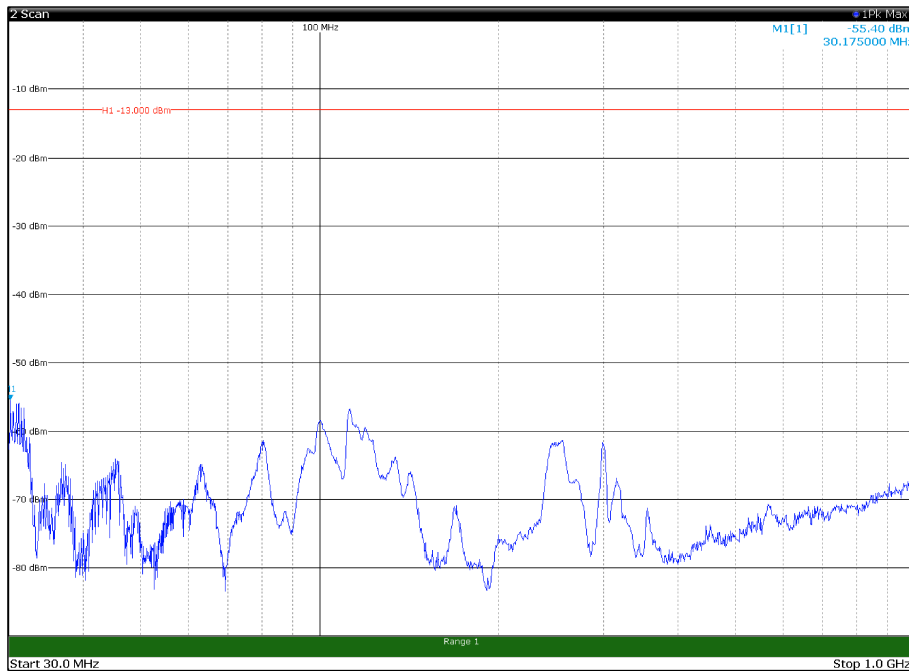
Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



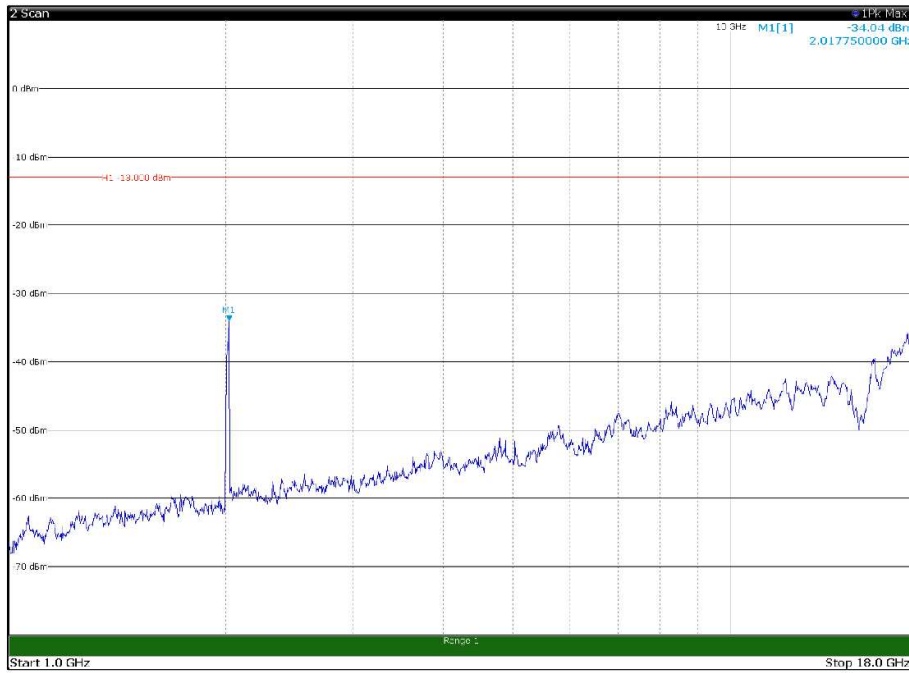




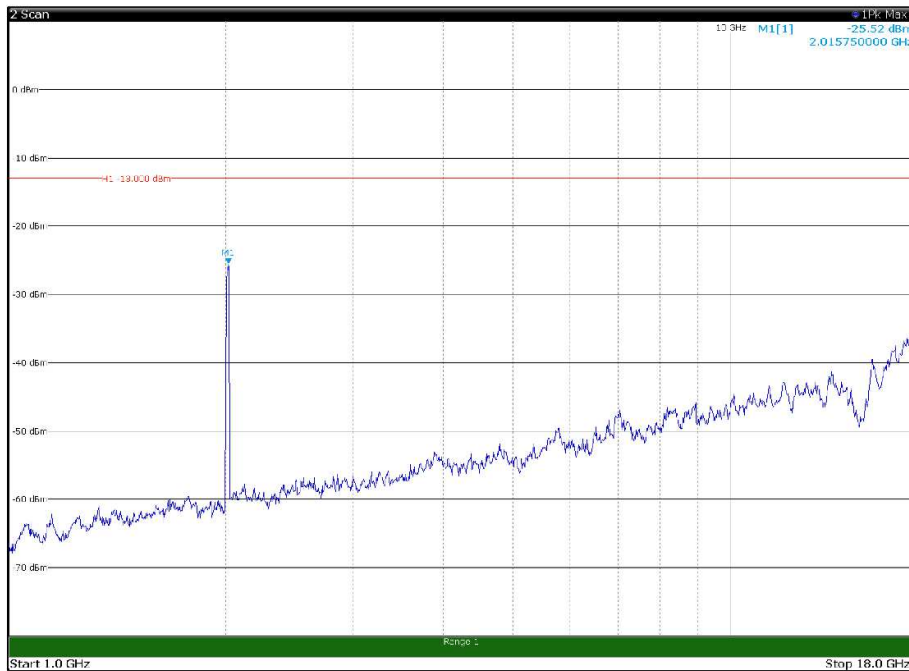
Channel: TOP, Modulation: 64QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



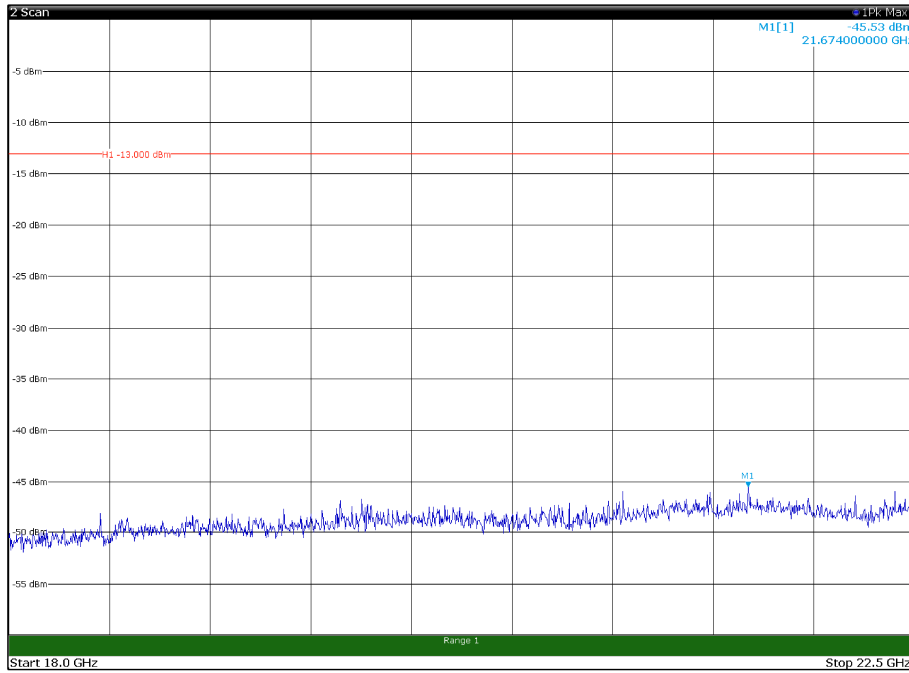
Channel: TOP, Modulation: 64QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



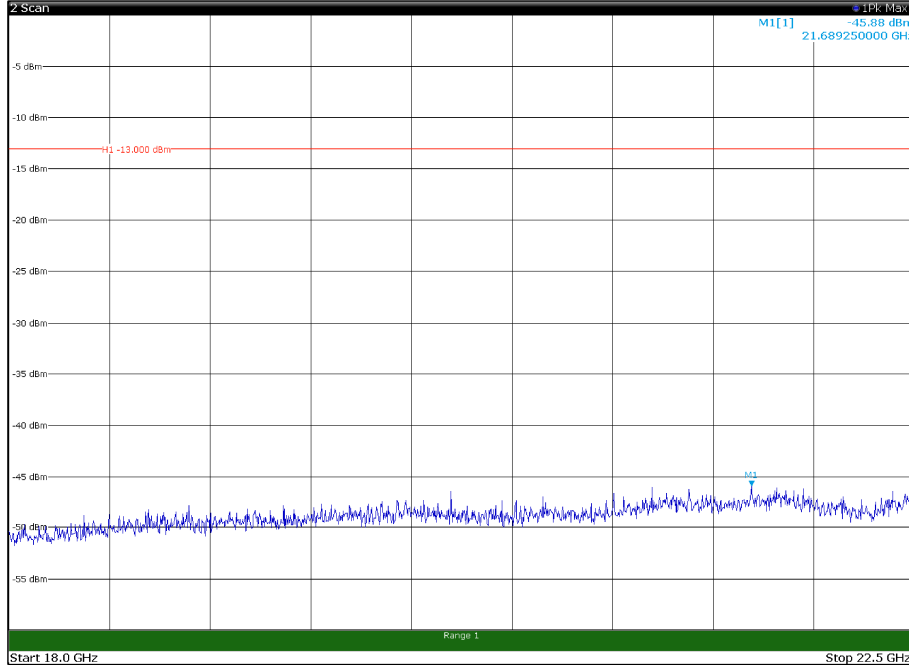
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



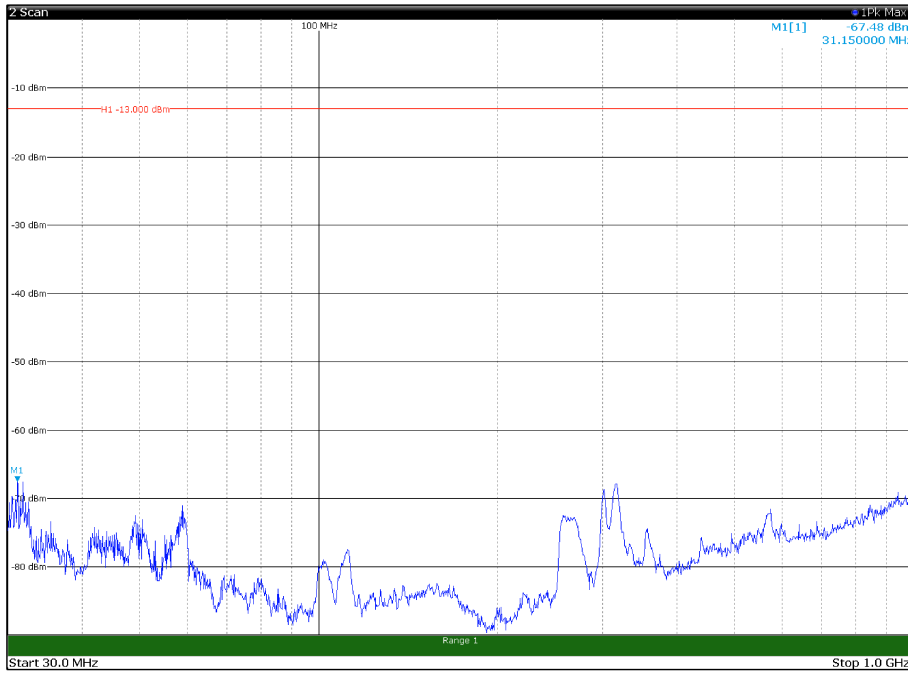
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



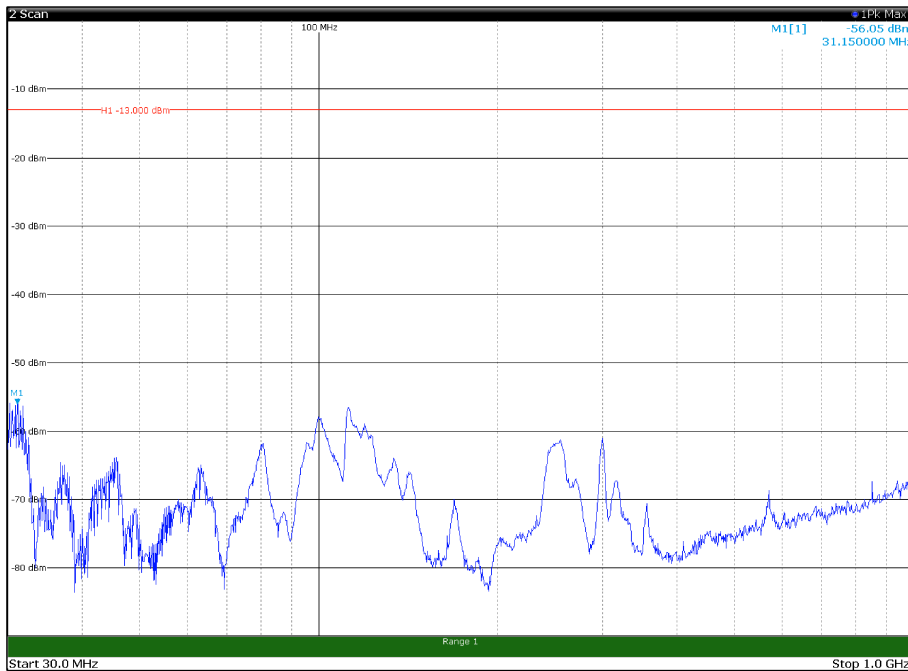
Channel: TOP, Modulation: 64QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



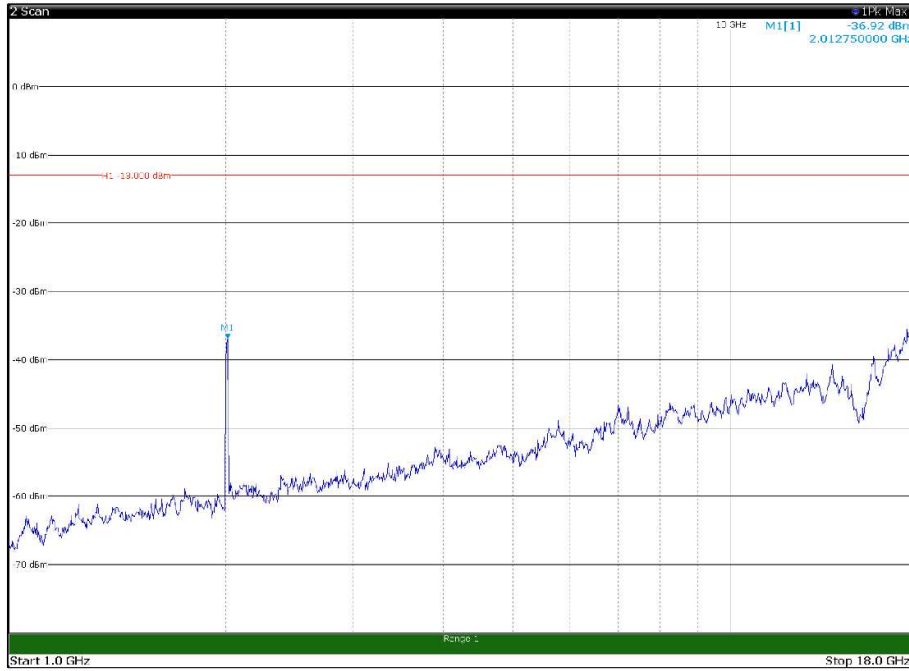
Channel: TOP, Modulation: 64QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



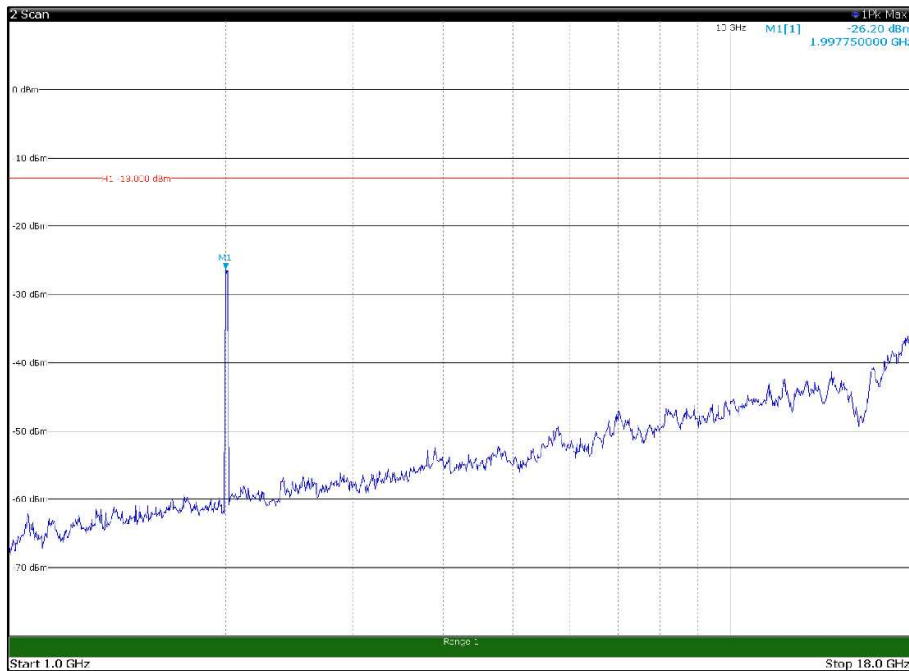
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



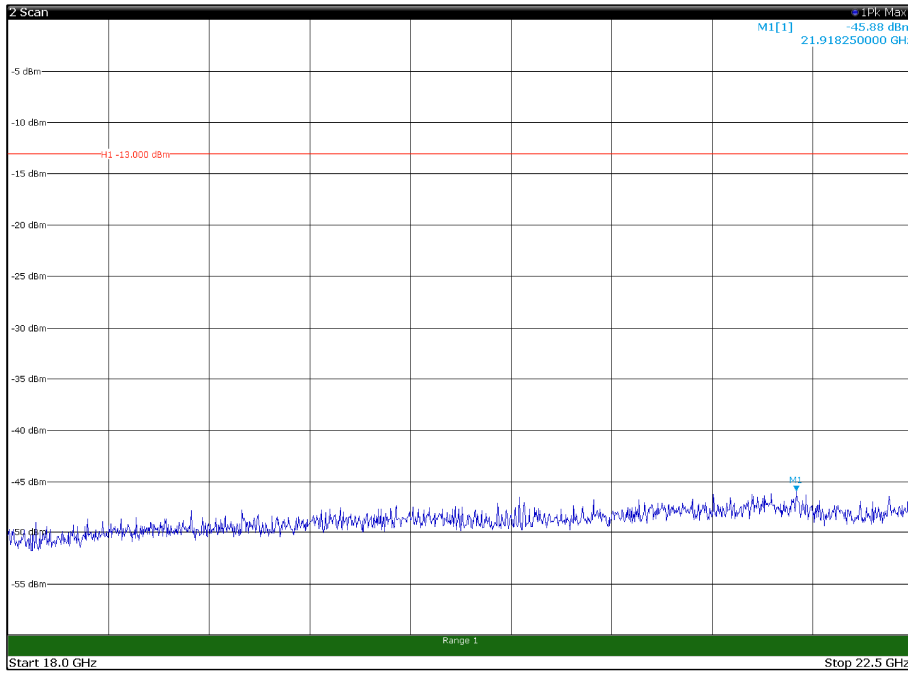
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



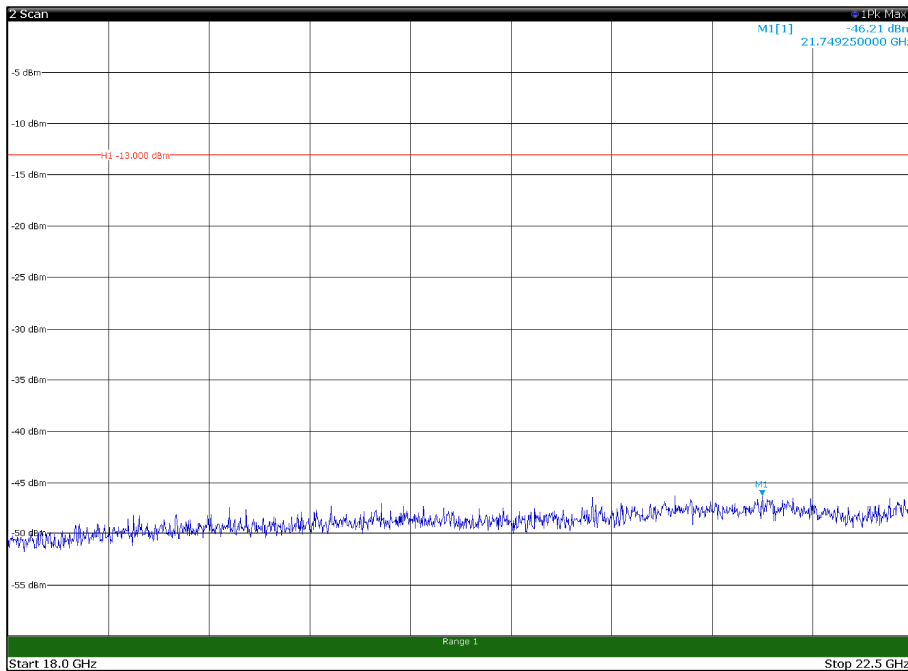
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



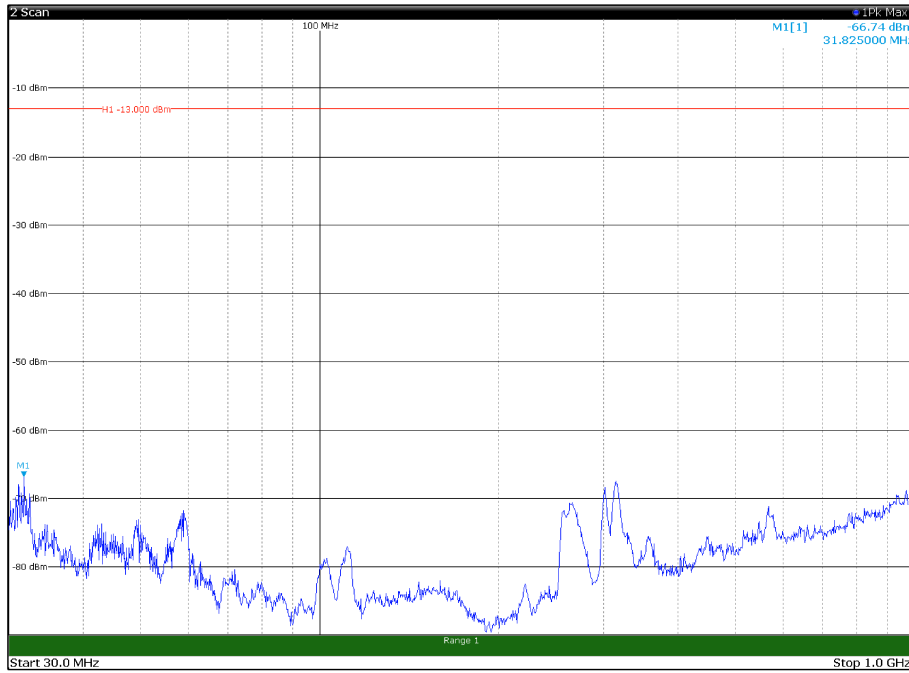
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



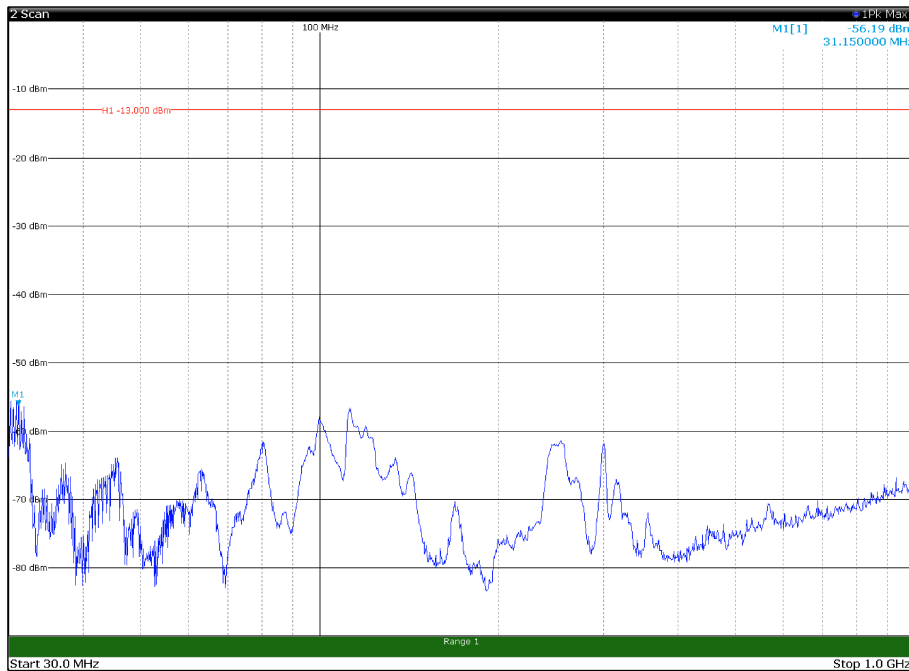
Channel: BOTTOM, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



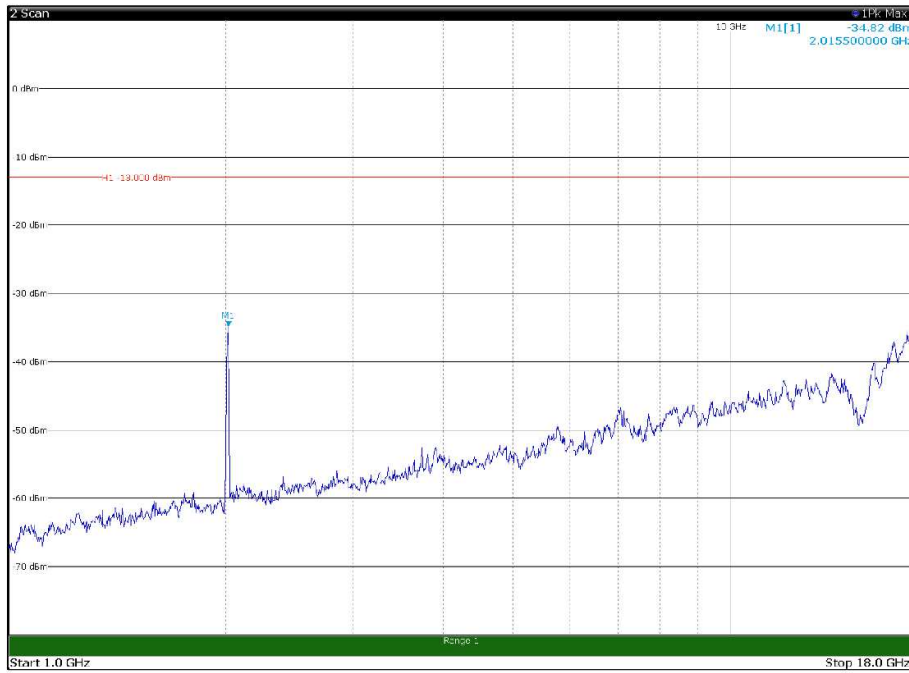
Channel: BOTTOM, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



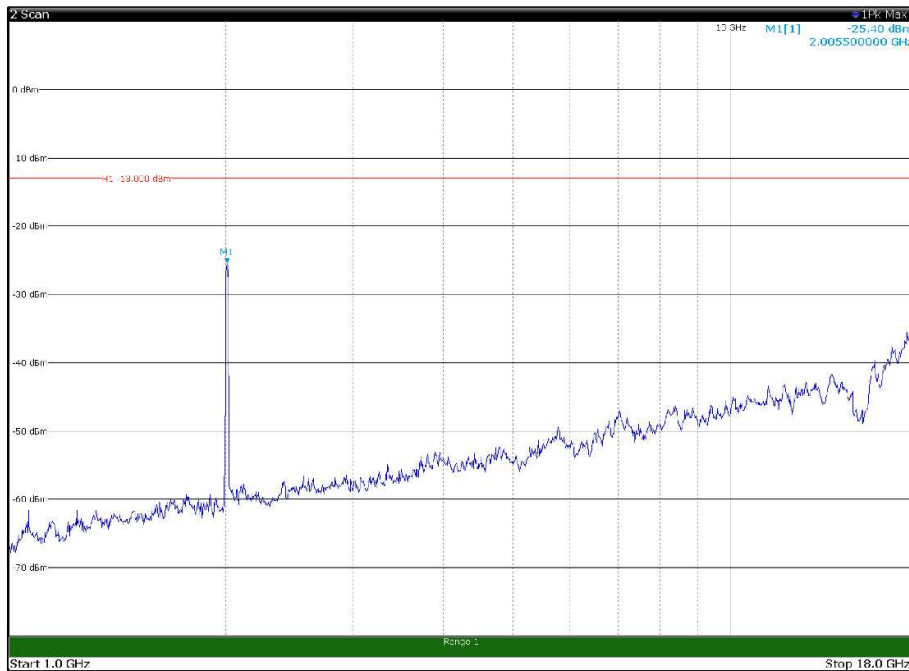
Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical

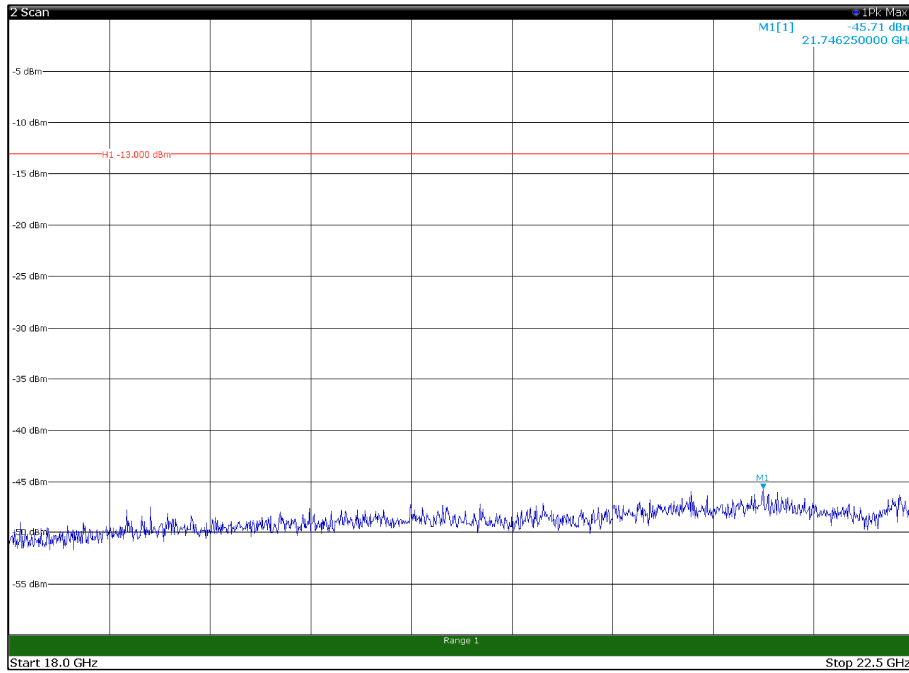


Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal

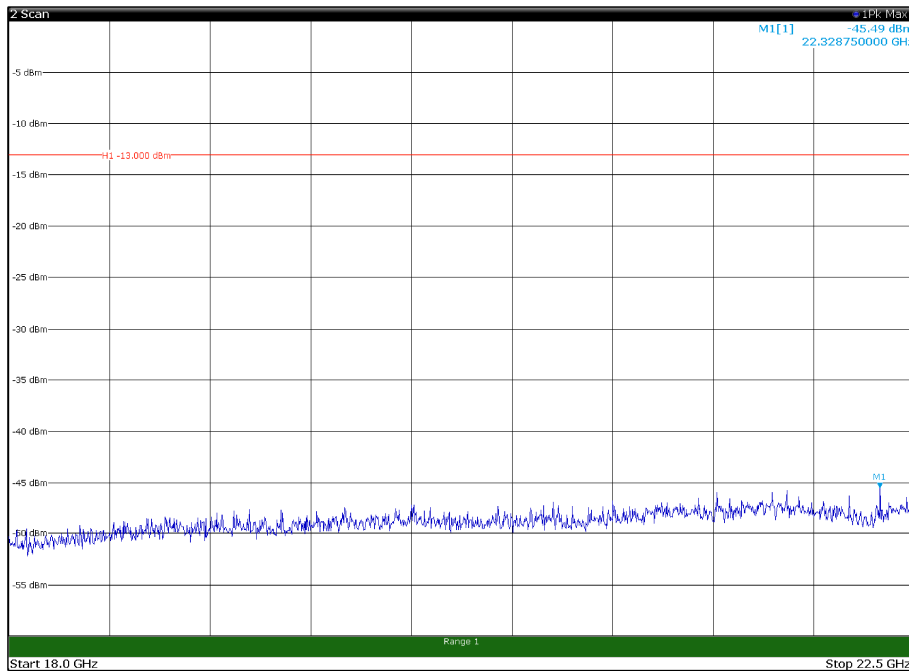


Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical

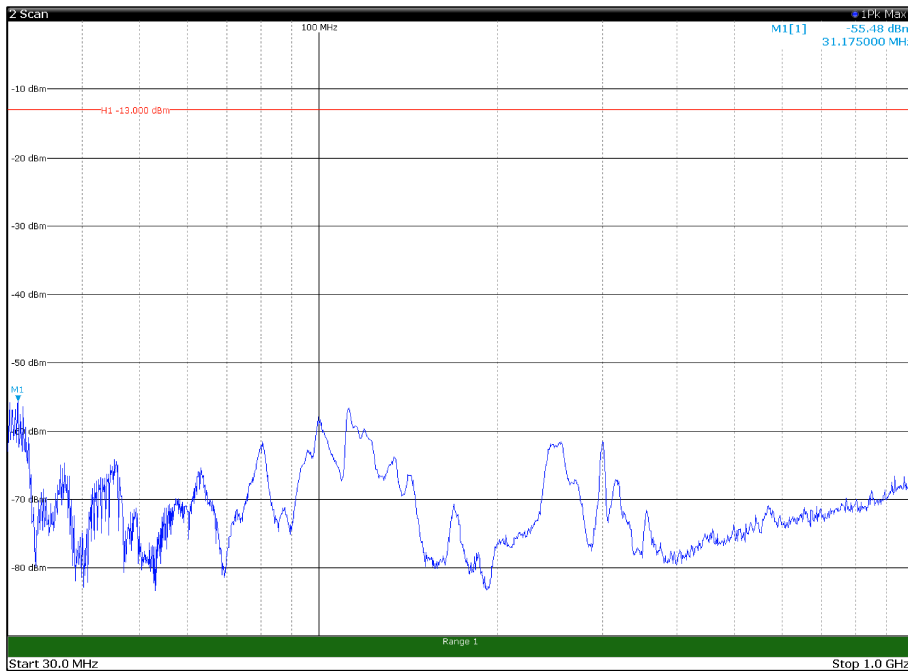
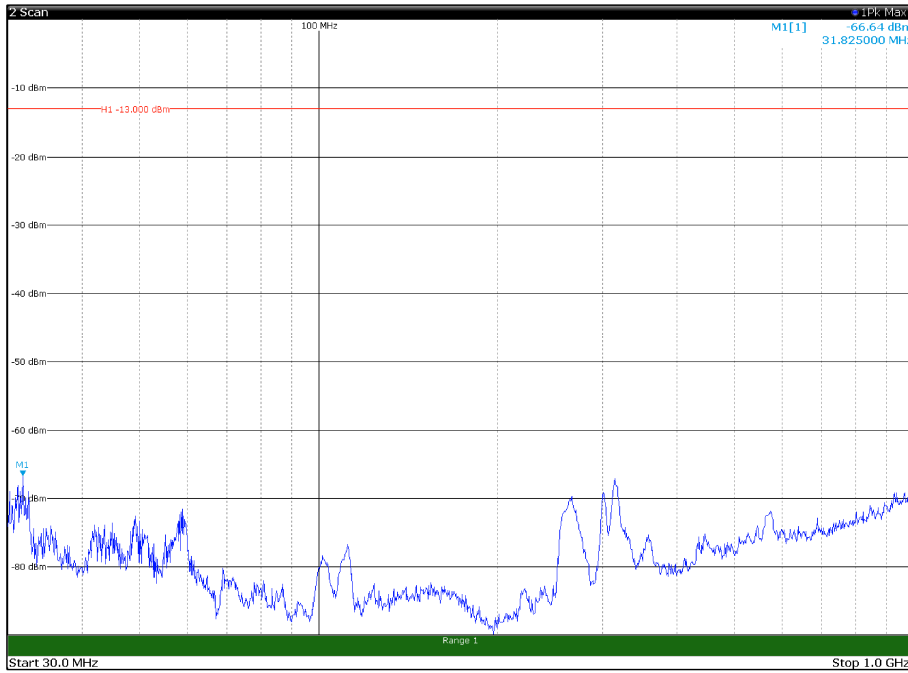


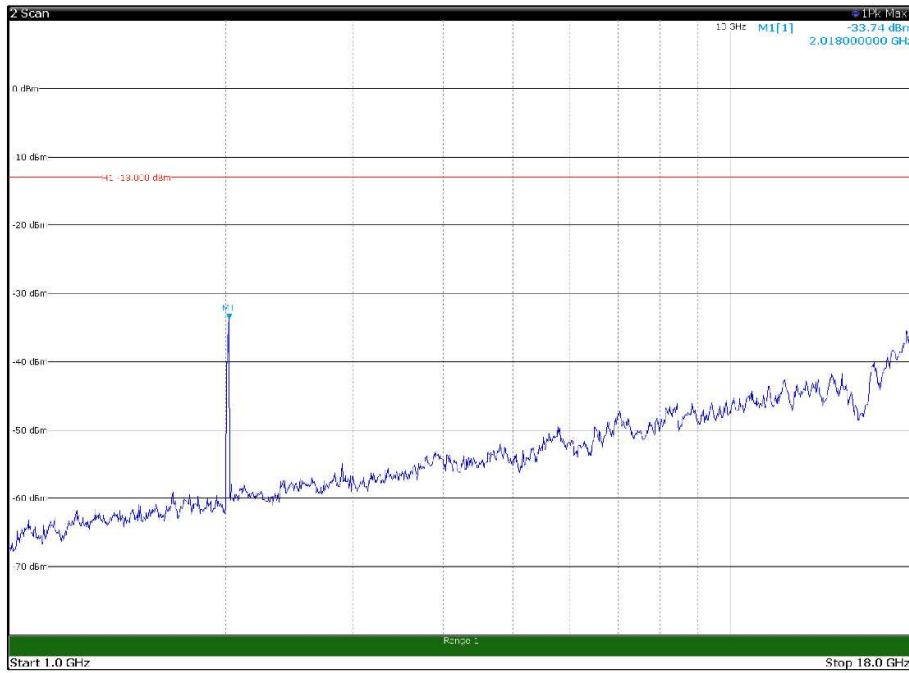


Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal

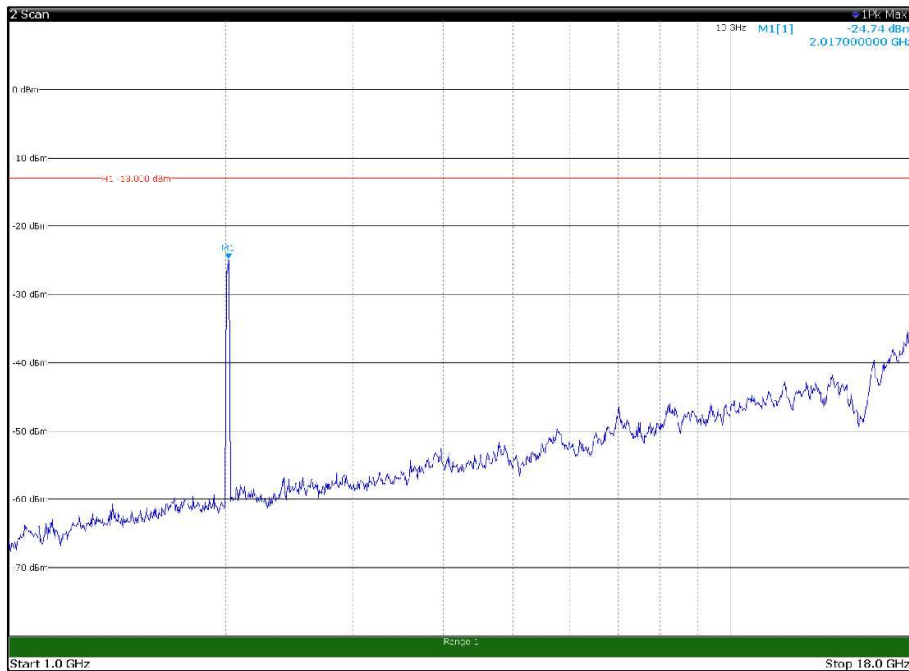


Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

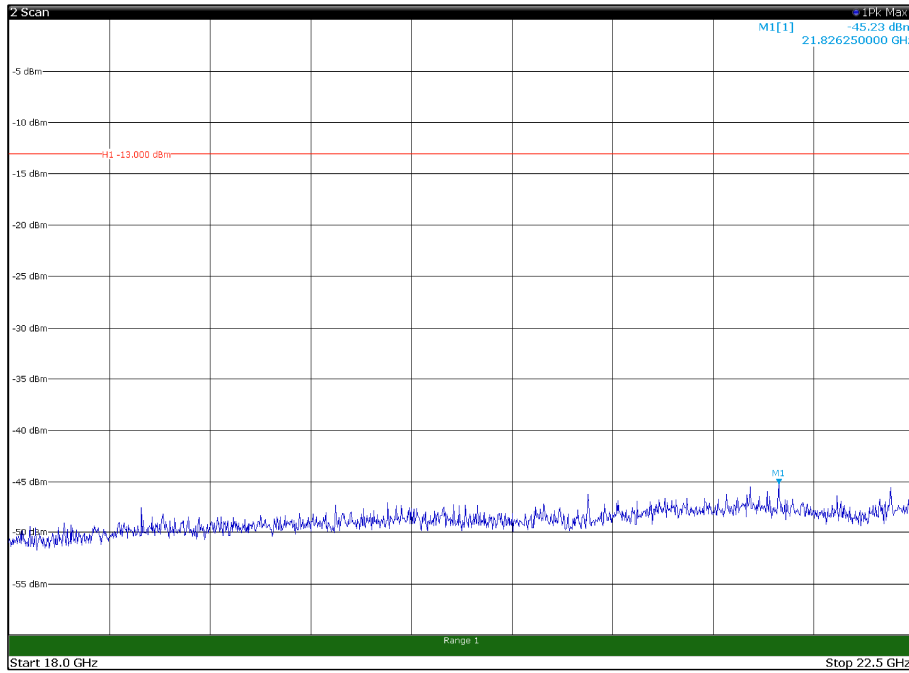




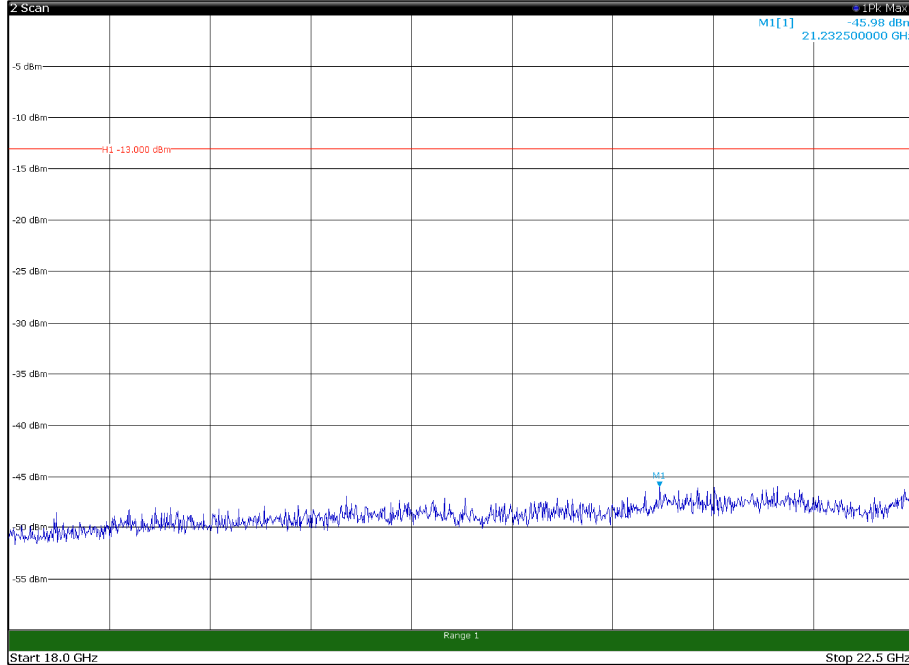
Channel: TOP, Modulation: 256QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



Channel: TOP, Modulation: 256QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,  
BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

### Clause 27.54 Frequency stability

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized bands of operation.

Test date: [04/03/2019 to 05/10/2019](#)

Test results: [Pass](#)

### Special notes

Test are performed at 85% (40,8Vdc) and 115% (55,2Vdc) of the primary supply voltage and the same result was found.

### Clause 27.54 Frequency stability, continued

### Test data

**RF PORT 1**

| Temperature = -30°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | 89.27           | mHz |
| BOTTOM              | LTE 5 MHz  | 16QAM      | 493.02          | mHz |
| BOTTOM              | LTE 5 MHz  | 64QAM      | 209.08          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | 264.52          | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | -1.92           | Hz  |
| MIDDLE              | LTE 5 MHz  | 16QAM      | -1.37           | Hz  |
| MIDDLE              | LTE 5 MHz  | 64QAM      | -3.98           | Hz  |
| MIDDLE              | LTE 5 MHz  | 256QAM     | 382.71          | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | 303.31          | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | -346.13         | mHz |
| TOP                 | LTE 5 MHz  | 64QAM      | 279.04          | mHz |
| TOP                 | LTE 5 MHz  | 256QAM     | 381.50          | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | 339.97          | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | 20.24           | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | -144.97         | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | 97.81           | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | -2.13           | Hz  |
| MIDDLE              | LTE 10 MHz | 16QAM      | -1.86           | Hz  |
| MIDDLE              | LTE 10 MHz | 64QAM      | -2.52           | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | 1.83            | Hz  |
| TOP                 | LTE 10 MHz | QPSK       | 364.99          | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | 213.48          | mHz |
| TOP                 | LTE 10 MHz | 64QAM      | -398.13         | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | -84.44          | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | -373.20         | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | 125.02          | mHz |
| BOTTOM              | LTE 15 MHz | 64QAM      | 429.57          | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 194.87          | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | -1.80           | Hz  |
| MIDDLE              | LTE 15 MHz | 16QAM      | 2.22            | Hz  |
| MIDDLE              | LTE 15 MHz | 64QAM      | -1.40           | Hz  |
| MIDDLE              | LTE 15 MHz | 256QAM     | -379.23         | mHz |
| TOP                 | LTE 15 MHz | QPSK       | -249.26         | mHz |
| TOP                 | LTE 15 MHz | 16QAM      | 2.76            | Hz  |
| TOP                 | LTE 15 MHz | 64QAM      | -317.74         | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | 1.56            | Hz  |
| BOTTOM              | LTE 20 MHz | QPSK       | -195.55         | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | 76.10           | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | -88.45          | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | -153.81         | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | -1.75           | Hz  |
| MIDDLE              | LTE 20 MHz | 16QAM      | -377.02         | mHz |
| MIDDLE              | LTE 20 MHz | 64QAM      | -52.19          | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | -333.43         | mHz |
| TOP                 | LTE 20 MHz | QPSK       | 64.29           | mHz |
| TOP                 | LTE 20 MHz | 16QAM      | 329.04          | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | -386.48         | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | -373.70         | mHz |

| Temperature = -20°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | -219.03         | mHz |
| BOTTOM              | LTE 5 MHz  | 16QAM      | 350.41          | mHz |
| BOTTOM              | LTE 5 MHz  | 64QAM      | 203.12          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | 162.62          | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | 337.17          | mHz |
| MIDDLE              | LTE 5 MHz  | 16QAM      | -908.08         | mHz |
| MIDDLE              | LTE 5 MHz  | 64QAM      | 954.28          | mHz |
| MIDDLE              | LTE 5 MHz  | 256QAM     | -66.95          | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | 191.74          | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | -288.10         | mHz |
| TOP                 | LTE 5 MHz  | 64QAM      | 462.10          | mHz |
| TOP                 | LTE 5 MHz  | 256QAM     | -300.06         | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | 120.54          | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | 393.02          | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | -52.33          | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | 411.80          | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | -769.85         | mHz |
| MIDDLE              | LTE 10 MHz | 16QAM      | 22.39           | mHz |
| MIDDLE              | LTE 10 MHz | 64QAM      | 996.48          | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | 615.86          | mHz |
| TOP                 | LTE 10 MHz | QPSK       | -110.20         | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | -158.80         | mHz |
| TOP                 | LTE 10 MHz | 64QAM      | 348.44          | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | -83.61          | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | 267.97          | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | 1.80            | Hz  |
| BOTTOM              | LTE 15 MHz | 64QAM      | 240.39          | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 329.24          | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | -351.50         | mHz |
| MIDDLE              | LTE 15 MHz | 16QAM      | -640.95         | mHz |
| MIDDLE              | LTE 15 MHz | 64QAM      | -2.55           | Hz  |
| MIDDLE              | LTE 15 MHz | 256QAM     | 1.40            | Hz  |
| TOP                 | LTE 15 MHz | QPSK       | -374.67         | mHz |
| TOP                 | LTE 15 MHz | 16QAM      | 383.12          | mHz |
| TOP                 | LTE 15 MHz | 64QAM      | -53.20          | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | 322.33          | mHz |
| BOTTOM              | LTE 20 MHz | QPSK       | -274.57         | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | 372.46          | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | 55.52           | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | 343.87          | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | 252.18          | mHz |
| MIDDLE              | LTE 20 MHz | 16QAM      | 235.74          | mHz |
| MIDDLE              | LTE 20 MHz | 64QAM      | -122.95         | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | 426.54          | mHz |
| TOP                 | LTE 20 MHz | QPSK       | 64.47           | mHz |
| TOP                 | LTE 20 MHz | 16QAM      | 443.25          | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | 107.45          | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | -226.24         | mHz |

| Temperature = -10°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | 368.74          | mHz |
| BOTTOM              | LTE 5 MHz  | 16QAM      | -207.49         | mHz |
| BOTTOM              | LTE 5 MHz  | 64QAM      | 407.35          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | 174.59          | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | 1.99            | Hz  |
| MIDDLE              | LTE 5 MHz  | 16QAM      | 1.58            | Hz  |
| MIDDLE              | LTE 5 MHz  | 64QAM      | 44.14           | mHz |
| MIDDLE              | LTE 5 MHz  | 256QAM     | -309.03         | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | -327.69         | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | 428.40          | mHz |
| TOP                 | LTE 5 MHz  | 64QAM      | -1.93           | Hz  |
| TOP                 | LTE 5 MHz  | 256QAM     | 29.01           | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | -41.50          | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | 247.44          | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | -263.69         | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | 120.19          | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | 872.89          | mHz |
| MIDDLE              | LTE 10 MHz | 16QAM      | 810.54          | mHz |
| MIDDLE              | LTE 10 MHz | 64QAM      | 321.30          | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | 219.92          | mHz |
| TOP                 | LTE 10 MHz | QPSK       | 335.01          | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | 365.91          | mHz |
| TOP                 | LTE 10 MHz | 64QAM      | 109.15          | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | -229.47         | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | -341.55         | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | 258.84          | mHz |
| BOTTOM              | LTE 15 MHz | 64QAM      | 185.36          | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 37.67           | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | -982.39         | mHz |
| MIDDLE              | LTE 15 MHz | 16QAM      | 414.33          | mHz |
| MIDDLE              | LTE 15 MHz | 64QAM      | -1.00           | Hz  |
| MIDDLE              | LTE 15 MHz | 256QAM     | 678.59          | mHz |
| TOP                 | LTE 15 MHz | QPSK       | 212.86          | mHz |
| TOP                 | LTE 15 MHz | 16QAM      | 123.17          | mHz |
| TOP                 | LTE 15 MHz | 64QAM      | 355.77          | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | -36.10          | mHz |
| BOTTOM              | LTE 20 MHz | QPSK       | 294.35          | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | -308.34         | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | -104.94         | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | 127.73          | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | 93.51           | mHz |
| MIDDLE              | LTE 20 MHz | 16QAM      | 153.89          | mHz |
| MIDDLE              | LTE 20 MHz | 64QAM      | 397.74          | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | 301.24          | mHz |
| TOP                 | LTE 20 MHz | QPSK       | 46.55           | mHz |
| TOP                 | LTE 20 MHz | 16QAM      | 296.31          | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | 346.61          | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | 301.13          | mHz |



| Temperature = 0°C |            |            |                 |     |
|-------------------|------------|------------|-----------------|-----|
| Channel           | Signal     | Modulation | Frequency Error |     |
| BOTTOM            | LTE 5 MHz  | QPSK       | -72.97          | mHz |
| BOTTOM            | LTE 5 MHz  | 16QAM      | 447.87          | mHz |
| BOTTOM            | LTE 5 MHz  | 64QAM      | 72.30           | mHz |
| BOTTOM            | LTE 5 MHz  | 256QAM     | -386.95         | mHz |
| MIDDLE            | LTE 5 MHz  | QPSK       | -381.20         | mHz |
| MIDDLE            | LTE 5 MHz  | 16QAM      | -366.23         | mHz |
| MIDDLE            | LTE 5 MHz  | 64QAM      | -348.95         | mHz |
| MIDDLE            | LTE 5 MHz  | 256QAM     | -323.26         | mHz |
| TOP               | LTE 5 MHz  | QPSK       | -345.01         | mHz |
| TOP               | LTE 5 MHz  | 16QAM      | 244.00          | mHz |
| TOP               | LTE 5 MHz  | 64QAM      | 335.98          | mHz |
| TOP               | LTE 5 MHz  | 256QAM     | 265.72          | mHz |
| BOTTOM            | LTE 10 MHz | QPSK       | 1.93            | Hz  |
| BOTTOM            | LTE 10 MHz | 16QAM      | -230.06         | mHz |
| BOTTOM            | LTE 10 MHz | 64QAM      | -320.04         | mHz |
| BOTTOM            | LTE 10 MHz | 256QAM     | 402.76          | mHz |
| MIDDLE            | LTE 10 MHz | QPSK       | 286.37          | mHz |
| MIDDLE            | LTE 10 MHz | 16QAM      | 297.59          | mHz |
| MIDDLE            | LTE 10 MHz | 64QAM      | 393.02          | mHz |
| MIDDLE            | LTE 10 MHz | 256QAM     | 28.29           | mHz |
| TOP               | LTE 10 MHz | QPSK       | 214.10          | mHz |
| TOP               | LTE 10 MHz | 16QAM      | 36.69           | mHz |
| TOP               | LTE 10 MHz | 64QAM      | 176.19          | mHz |
| TOP               | LTE 10 MHz | 256QAM     | -167.16         | mHz |
| BOTTOM            | LTE 15 MHz | QPSK       | 425.66          | mHz |
| BOTTOM            | LTE 15 MHz | 16QAM      | 104.57          | mHz |
| BOTTOM            | LTE 15 MHz | 64QAM      | -278.34         | mHz |
| BOTTOM            | LTE 15 MHz | 256QAM     | -258.56         | mHz |
| MIDDLE            | LTE 15 MHz | QPSK       | -195.84         | mHz |
| MIDDLE            | LTE 15 MHz | 16QAM      | -220.53         | mHz |
| MIDDLE            | LTE 15 MHz | 64QAM      | -127.35         | mHz |
| MIDDLE            | LTE 15 MHz | 256QAM     | -330.97         | mHz |
| TOP               | LTE 15 MHz | QPSK       | 320.07          | mHz |
| TOP               | LTE 15 MHz | 16QAM      | 2.36            | Hz  |
| TOP               | LTE 15 MHz | 64QAM      | -52.28          | mHz |
| TOP               | LTE 15 MHz | 256QAM     | -285.23         | mHz |
| BOTTOM            | LTE 20 MHz | QPSK       | -312.06         | mHz |
| BOTTOM            | LTE 20 MHz | 16QAM      | 106.26          | mHz |
| BOTTOM            | LTE 20 MHz | 64QAM      | 430.10          | mHz |
| BOTTOM            | LTE 20 MHz | 256QAM     | 356.95          | mHz |
| MIDDLE            | LTE 20 MHz | QPSK       | -391.33         | mHz |
| MIDDLE            | LTE 20 MHz | 16QAM      | -21.88          | mHz |
| MIDDLE            | LTE 20 MHz | 64QAM      | 268.68          | mHz |
| MIDDLE            | LTE 20 MHz | 256QAM     | -63.81          | mHz |
| TOP               | LTE 20 MHz | QPSK       | 368.94          | mHz |
| TOP               | LTE 20 MHz | 16QAM      | -229.60         | mHz |
| TOP               | LTE 20 MHz | 64QAM      | -285.47         | mHz |
| TOP               | LTE 20 MHz | 256QAM     | -66.68          | mHz |

| Temperature =10°C |            |            |                 |     |
|-------------------|------------|------------|-----------------|-----|
| Channel           | Signal     | Modulation | Frequency Error |     |
| BOTTOM            | LTE 5 MHz  | QPSK       | 130.96          | mHz |
| BOTTOM            | LTE 5 MHz  | 16QAM      | 170.31          | mHz |
| BOTTOM            | LTE 5 MHz  | 64QAM      | 261.98          | mHz |
| BOTTOM            | LTE 5 MHz  | 256QAM     | -37.84          | mHz |
| MIDDLE            | LTE 5 MHz  | QPSK       | -406.24         | mHz |
| MIDDLE            | LTE 5 MHz  | 16QAM      | 129.76          | mHz |
| MIDDLE            | LTE 5 MHz  | 64QAM      | 770.58          | mHz |
| MIDDLE            | LTE 5 MHz  | 256QAM     | 642.99          | mHz |
| TOP               | LTE 5 MHz  | QPSK       | -111.62         | mHz |
| TOP               | LTE 5 MHz  | 16QAM      | -141.44         | mHz |
| TOP               | LTE 5 MHz  | 64QAM      | 349.35          | mHz |
| TOP               | LTE 5 MHz  | 256QAM     | 120.16          | mHz |
| BOTTOM            | LTE 10 MHz | QPSK       | 200.36          | mHz |
| BOTTOM            | LTE 10 MHz | 16QAM      | -155.82         | mHz |
| BOTTOM            | LTE 10 MHz | 64QAM      | -178.65         | mHz |
| BOTTOM            | LTE 10 MHz | 256QAM     | -203.00         | mHz |
| MIDDLE            | LTE 10 MHz | QPSK       | 262.99          | mHz |
| MIDDLE            | LTE 10 MHz | 16QAM      | 1.86            | Hz  |
| MIDDLE            | LTE 10 MHz | 64QAM      | 818.74          | mHz |
| MIDDLE            | LTE 10 MHz | 256QAM     | -219.49         | mHz |
| TOP               | LTE 10 MHz | QPSK       | 50.51           | mHz |
| TOP               | LTE 10 MHz | 16QAM      | 91.08           | mHz |
| TOP               | LTE 10 MHz | 64QAM      | 3.37            | Hz  |
| TOP               | LTE 10 MHz | 256QAM     | 23.16           | mHz |
| BOTTOM            | LTE 15 MHz | QPSK       | -71.24          | mHz |
| BOTTOM            | LTE 15 MHz | 16QAM      | -251.96         | mHz |
| BOTTOM            | LTE 15 MHz | 64QAM      | 424.92          | mHz |
| BOTTOM            | LTE 15 MHz | 256QAM     | -86.89          | mHz |
| MIDDLE            | LTE 15 MHz | QPSK       | 767.82          | mHz |
| MIDDLE            | LTE 15 MHz | 16QAM      | -587.19         | mHz |
| MIDDLE            | LTE 15 MHz | 64QAM      | -187.18         | mHz |
| MIDDLE            | LTE 15 MHz | 256QAM     | -865.35         | mHz |
| TOP               | LTE 15 MHz | QPSK       | 432.64          | mHz |
| TOP               | LTE 15 MHz | 16QAM      | 355.12          | mHz |
| TOP               | LTE 15 MHz | 64QAM      | -182.98         | mHz |
| TOP               | LTE 15 MHz | 256QAM     | 119.05          | mHz |
| BOTTOM            | LTE 20 MHz | QPSK       | 399.66          | mHz |
| BOTTOM            | LTE 20 MHz | 16QAM      | 106.21          | mHz |
| BOTTOM            | LTE 20 MHz | 64QAM      | 135.61          | mHz |
| BOTTOM            | LTE 20 MHz | 256QAM     | 173.68          | mHz |
| MIDDLE            | LTE 20 MHz | QPSK       | -1.53           | Hz  |
| MIDDLE            | LTE 20 MHz | 16QAM      | 483.37          | mHz |
| MIDDLE            | LTE 20 MHz | 64QAM      | -398.16         | mHz |
| MIDDLE            | LTE 20 MHz | 256QAM     | 137.48          | mHz |
| TOP               | LTE 20 MHz | QPSK       | -28.67          | mHz |
| TOP               | LTE 20 MHz | 16QAM      | 228.46          | mHz |
| TOP               | LTE 20 MHz | 64QAM      | 288.23          | mHz |
| TOP               | LTE 20 MHz | 256QAM     | -200.40         | mHz |

| Temperature = 20°C |            |         |         |         |
|--------------------|------------|---------|---------|---------|
| Channel            | Channel    | Channel | Channel | Channel |
| BOTTOM             | LTE 5 MHz  | QPSK    | 303.39  | mHz     |
| BOTTOM             | LTE 5 MHz  | 16QAM   | 46.898  | mHz     |
| BOTTOM             | LTE 5 MHz  | 64QAM   | 580.27  | mHz     |
| BOTTOM             | LTE 5 MHz  | 256QAM  | 400.98  | mHz     |
| MIDDLE             | LTE 5 MHz  | QPSK    | -674.5  | mHz     |
| MIDDLE             | LTE 5 MHz  | 16QAM   | 930.05  | mHz     |
| MIDDLE             | LTE 5 MHz  | 64QAM   | 1.0097  | Hz      |
| MIDDLE             | LTE 5 MHz  | 256QAM  | -538.2  | mHz     |
| TOP                | LTE 5 MHz  | QPSK    | -1.273  | Hz      |
| TOP                | LTE 5 MHz  | 16QAM   | 480.17  | mHz     |
| TOP                | LTE 5 MHz  | 64QAM   | -2.551  | Hz      |
| TOP                | LTE 5 MHz  | 256QAM  | -2.051  | Hz      |
| BOTTOM             | LTE 10 MHz | QPSK    | -738.1  | mHz     |
| BOTTOM             | LTE 10 MHz | 16QAM   | 1.3787  | Hz      |
| BOTTOM             | LTE 10 MHz | 64QAM   | -438.5  | mHz     |
| BOTTOM             | LTE 10 MHz | 256QAM  | -916.7  | mHz     |
| MIDDLE             | LTE 10 MHz | QPSK    | 2.7986  | Hz      |
| MIDDLE             | LTE 10 MHz | 16QAM   | -707.8  | mHz     |
| MIDDLE             | LTE 10 MHz | 64QAM   | 2.1359  | Hz      |
| MIDDLE             | LTE 10 MHz | 256QAM  | 1.0804  | Hz      |
| TOP                | LTE 10 MHz | QPSK    | -241    | mHz     |
| TOP                | LTE 10 MHz | 16QAM   | 523.18  | mHz     |
| TOP                | LTE 10 MHz | 64QAM   | 1.2117  | Hz      |
| TOP                | LTE 10 MHz | 256QAM  | 292.13  | mHz     |
| BOTTOM             | LTE 15 MHz | QPSK    | 880.26  | mHz     |
| BOTTOM             | LTE 15 MHz | 16QAM   | 404.66  | mHz     |
| BOTTOM             | LTE 15 MHz | 64QAM   | -1.063  | Hz      |
| BOTTOM             | LTE 15 MHz | 256QAM  | -692.9  | mHz     |
| MIDDLE             | LTE 15 MHz | QPSK    | -589.3  | mHz     |
| MIDDLE             | LTE 15 MHz | 16QAM   | 992.48  | mHz     |
| MIDDLE             | LTE 15 MHz | 64QAM   | -574.1  | mHz     |
| MIDDLE             | LTE 15 MHz | 256QAM  | 61.527  | mHz     |
| TOP                | LTE 15 MHz | QPSK    | 1.0131  | Hz      |
| TOP                | LTE 15 MHz | 16QAM   | 3.3564  | Hz      |
| TOP                | LTE 15 MHz | 64QAM   | 1.1457  | Hz      |
| TOP                | LTE 15 MHz | 256QAM  | -1.606  | Hz      |
| BOTTOM             | LTE 20 MHz | QPSK    | 12.958  | mHz     |
| BOTTOM             | LTE 20 MHz | 16QAM   | -1.056  | Hz      |
| BOTTOM             | LTE 20 MHz | 64QAM   | -521.5  | mHz     |
| BOTTOM             | LTE 20 MHz | 256QAM  | -584.9  | mHz     |
| MIDDLE             | LTE 20 MHz | QPSK    | -2.817  | Hz      |
| MIDDLE             | LTE 20 MHz | 16QAM   | 1.4233  | Hz      |
| MIDDLE             | LTE 20 MHz | 64QAM   | -1.296  | Hz      |
| MIDDLE             | LTE 20 MHz | 256QAM  | 496.33  | mHz     |
| TOP                | LTE 20 MHz | QPSK    | 1.4502  | Hz      |
| TOP                | LTE 20 MHz | 16QAM   | -256.6  | mHz     |
| TOP                | LTE 20 MHz | 64QAM   | 387.74  | mHz     |
| TOP                | LTE 20 MHz | 256QAM  | 424.4   | mHz     |

| Temperature = 30°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -90.47          | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 140.92          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | -251.78         | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 262.56          | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | 453.82          | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | -241.87         | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | -284.49         | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -212.43         | mHz |
| TOP                | LTE 5 MHz  | QPSK       | -268.19         | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | -82.73          | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | -181.34         | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | 71.15           | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | 397.39          | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | 107.92          | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | -225.27         | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 281.60          | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 346.55          | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | 272.29          | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | 367.94          | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | -226.01         | mHz |
| TOP                | LTE 10 MHz | QPSK       | -90.28          | mHz |
| TOP                | LTE 10 MHz | 16QAM      | 458.19          | mHz |
| TOP                | LTE 10 MHz | 64QAM      | -367.77         | mHz |
| TOP                | LTE 10 MHz | 256QAM     | -270.06         | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | 305.14          | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | 217.26          | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -357.12         | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -342.18         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | 364.28          | mHz |
| MIDDLE             | LTE 15 MHz | 16QAM      | 107.93          | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | 102.26          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | -64.43          | mHz |
| TOP                | LTE 15 MHz | QPSK       | -266.40         | mHz |
| TOP                | LTE 15 MHz | 16QAM      | -67.49          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | 483.28          | mHz |
| TOP                | LTE 15 MHz | 256QAM     | -365.01         | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -328.69         | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | 282.83          | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | 237.61          | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | -182.02         | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | 412.55          | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | -312.69         | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -42.11          | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | -303.69         | mHz |
| TOP                | LTE 20 MHz | QPSK       | -156.22         | mHz |
| TOP                | LTE 20 MHz | 16QAM      | -101.43         | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 127.45          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | -1.24           | Hz  |

| Temperature = 40°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | 76.33           | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 269.96          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 149.63          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 303.01          | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | -140.00         | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | -448.03         | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | -1.81           | Hz  |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -282.96         | mHz |
| TOP                | LTE 5 MHz  | QPSK       | 369.85          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | -130.30         | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | 308.94          | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | -157.58         | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | 317.48          | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | 46.44           | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | 481.08          | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 301.25          | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 4.95            | Hz  |
| MIDDLE             | LTE 10 MHz | 16QAM      | 735.47          | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | -447.39         | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | -59.38          | mHz |
| TOP                | LTE 10 MHz | QPSK       | 47.93           | mHz |
| TOP                | LTE 10 MHz | 16QAM      | 352.56          | mHz |
| TOP                | LTE 10 MHz | 64QAM      | -151.22         | mHz |
| TOP                | LTE 10 MHz | 256QAM     | -250.16         | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | -296.42         | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | 428.18          | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -79.88          | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -294.38         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | 1.35            | Hz  |
| MIDDLE             | LTE 15 MHz | 16QAM      | -1.58           | Hz  |
| MIDDLE             | LTE 15 MHz | 64QAM      | -213.45         | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | -241.44         | mHz |
| TOP                | LTE 15 MHz | QPSK       | -221.12         | mHz |
| TOP                | LTE 15 MHz | 16QAM      | -156.55         | mHz |
| TOP                | LTE 15 MHz | 64QAM      | 479.57          | mHz |
| TOP                | LTE 15 MHz | 256QAM     | 125.58          | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -70.23          | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | -203.50         | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | -163.81         | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | -357.46         | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | -364.17         | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | -282.86         | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -184.40         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | 304.73          | mHz |
| TOP                | LTE 20 MHz | QPSK       | 165.90          | mHz |
| TOP                | LTE 20 MHz | 16QAM      | 410.20          | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 199.59          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | 430.64          | mHz |

| Temperature = 50°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -24.43          | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 330.96          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 155.33          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 44.14           | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | 395.57          | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | 871.62          | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | 1.90            | Hz  |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -101.97         | mHz |
| TOP                | LTE 5 MHz  | QPSK       | 196.04          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | 498.25          | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | 214.72          | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | -208.49         | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | -323.23         | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | 175.04          | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | -162.17         | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 422.36          | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 1.25            | Hz  |
| MIDDLE             | LTE 10 MHz | 16QAM      | -478.19         | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | -1.77           | Hz  |
| MIDDLE             | LTE 10 MHz | 256QAM     | 1.24            | Hz  |
| TOP                | LTE 10 MHz | QPSK       | 300.18          | mHz |
| TOP                | LTE 10 MHz | 16QAM      | -54.89          | mHz |
| TOP                | LTE 10 MHz | 64QAM      | -204.23         | mHz |
| TOP                | LTE 10 MHz | 256QAM     | 471.55          | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | 276.87          | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | 165.87          | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -326.91         | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | 327.74          | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | 1.30            | Hz  |
| MIDDLE             | LTE 15 MHz | 16QAM      | 420.88          | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | 694.29          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | 1.65            | Hz  |
| TOP                | LTE 15 MHz | QPSK       | -1.69           | Hz  |
| TOP                | LTE 15 MHz | 16QAM      | 157.57          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | 348.73          | mHz |
| TOP                | LTE 15 MHz | 256QAM     | -370.73         | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -283.91         | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | 175.45          | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | 67.80           | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | 495.03          | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | 135.57          | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | -107.58         | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -111.42         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | 402.47          | mHz |
| TOP                | LTE 20 MHz | QPSK       | 464.39          | mHz |
| TOP                | LTE 20 MHz | 16QAM      | 361.76          | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 404.40          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | 58.27           | mHz |

**RF PORT 2**

| Temperature = -30°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | 719.38          | mHz |
| BOTTOM              | LTE 5 MHz  | 16QAM      | 527.56          | mHz |
| BOTTOM              | LTE 5 MHz  | 64QAM      | -81.68          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | 88.32           | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | -262.71         | mHz |
| MIDDLE              | LTE 5 MHz  | 16QAM      | 3.78            | Hz  |
| MIDDLE              | LTE 5 MHz  | 64QAM      | -59.04          | mHz |
| MIDDLE              | LTE 5 MHz  | 256QAM     | 588.01          | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | -859.81         | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | -0.93           | Hz  |
| TOP                 | LTE 5 MHz  | 64QAM      | 652.49          | mHz |
| TOP                 | LTE 5 MHz  | 256QAM     | -344.96         | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | -875.86         | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | -553.84         | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | -356.92         | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | -446.50         | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | 892.35          | mHz |
| MIDDLE              | LTE 10 MHz | 16QAM      | -75.47          | mHz |
| MIDDLE              | LTE 10 MHz | 64QAM      | 117.53          | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | -452.33         | mHz |
| TOP                 | LTE 10 MHz | QPSK       | 605.20          | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | 2.19            | Hz  |
| TOP                 | LTE 10 MHz | 64QAM      | 425.45          | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | 653.38          | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | -465.97         | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | -1.81           | Hz  |
| BOTTOM              | LTE 15 MHz | 64QAM      | -812.86         | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 639.42          | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | -180.01         | mHz |
| MIDDLE              | LTE 15 MHz | 16QAM      | 690.76          | mHz |
| MIDDLE              | LTE 15 MHz | 64QAM      | -238.14         | mHz |
| MIDDLE              | LTE 15 MHz | 256QAM     | 447.84          | mHz |
| TOP                 | LTE 15 MHz | QPSK       | -414.60         | mHz |
| TOP                 | LTE 15 MHz | 16QAM      | 825.28          | mHz |
| TOP                 | LTE 15 MHz | 64QAM      | -653.79         | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | 258.39          | mHz |
| BOTTOM              | LTE 20 MHz | QPSK       | -775.90         | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | -216.80         | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | 675.68          | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | -396.76         | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | -68.31          | mHz |
| MIDDLE              | LTE 20 MHz | 16QAM      | -1.41           | Hz  |
| MIDDLE              | LTE 20 MHz | 64QAM      | 419.53          | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | -730.38         | mHz |
| TOP                 | LTE 20 MHz | QPSK       | 798.35          | mHz |
| TOP                 | LTE 20 MHz | 16QAM      | 151.76          | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | 312.51          | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | 296.32          | mHz |

| Temperature = -20°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | 205.28          | mHz |
| BOTTOM              | LTE 5 MHz  | 16QAM      | -2.23           | Hz  |
| BOTTOM              | LTE 5 MHz  | 64QAM      | 752.51          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | -572.41         | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | 127.80          | mHz |
| MIDDLE              | LTE 5 MHz  | 16QAM      | -122.34         | mHz |
| MIDDLE              | LTE 5 MHz  | 64QAM      | -143.03         | mHz |
| MIDDLE              | LTE 5 MHz  | 256QAM     | -251.35         | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | -381.53         | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | -1.09           | Hz  |
| TOP                 | LTE 5 MHz  | 64QAM      | 574.46          | mHz |
| TOP                 | LTE 5 MHz  | 256QAM     | 895.61          | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | 898.18          | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | -405.63         | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | -636.44         | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | -513.36         | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | -395.21         | mHz |
| MIDDLE              | LTE 10 MHz | 16QAM      | -582.47         | mHz |
| MIDDLE              | LTE 10 MHz | 64QAM      | 318.52          | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | 841.18          | mHz |
| TOP                 | LTE 10 MHz | QPSK       | -801.01         | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | -753.73         | mHz |
| TOP                 | LTE 10 MHz | 64QAM      | -799.37         | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | -798.91         | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | 218.22          | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | -869.57         | mHz |
| BOTTOM              | LTE 15 MHz | 64QAM      | -59.70          | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 799.05          | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | 250.31          | mHz |
| MIDDLE              | LTE 15 MHz | 16QAM      | -730.92         | mHz |
| MIDDLE              | LTE 15 MHz | 64QAM      | 243.77          | mHz |
| MIDDLE              | LTE 15 MHz | 256QAM     | 564.26          | mHz |
| TOP                 | LTE 15 MHz | QPSK       | 2.74            | Hz  |
| TOP                 | LTE 15 MHz | 16QAM      | -778.03         | mHz |
| TOP                 | LTE 15 MHz | 64QAM      | 178.17          | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | -148.76         | mHz |
| BOTTOM              | LTE 20 MHz | QPSK       | -755.08         | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | -818.63         | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | -812.70         | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | 30.87           | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | 646.48          | mHz |
| MIDDLE              | LTE 20 MHz | 16QAM      | 1.76            | Hz  |
| MIDDLE              | LTE 20 MHz | 64QAM      | -305.03         | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | -573.30         | mHz |
| TOP                 | LTE 20 MHz | QPSK       | 627.83          | mHz |
| TOP                 | LTE 20 MHz | 16QAM      | 752.83          | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | 498.94          | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | 827.94          | mHz |



| Temperature = -10°C |            |            |                 |     |
|---------------------|------------|------------|-----------------|-----|
| Channel             | Signal     | Modulation | Frequency Error |     |
| BOTTOM              | LTE 5 MHz  | QPSK       | 1.83            | Hz  |
| BOTTOM              | LTE 5 MHz  | 16QAM      | 785.12          | mHz |
| BOTTOM              | LTE 5 MHz  | 64QAM      | 302.27          | mHz |
| BOTTOM              | LTE 5 MHz  | 256QAM     | 351.56          | mHz |
| MIDDLE              | LTE 5 MHz  | QPSK       | 282.61          | mHz |
| MIDDLE              | LTE 5 MHz  | 16QAM      | 892.81          | mHz |
| MIDDLE              | LTE 5 MHz  | 64QAM      | -810.89         | mHz |
| MIDDLE              | LTE 5 MHz  | 256QAM     | 210.23          | mHz |
| TOP                 | LTE 5 MHz  | QPSK       | 416.23          | mHz |
| TOP                 | LTE 5 MHz  | 16QAM      | 140.93          | mHz |
| TOP                 | LTE 5 MHz  | 64QAM      | -239.77         | mHz |
| TOP                 | LTE 5 MHz  | 256QAM     | 514.91          | mHz |
| BOTTOM              | LTE 10 MHz | QPSK       | 866.18          | mHz |
| BOTTOM              | LTE 10 MHz | 16QAM      | -383.94         | mHz |
| BOTTOM              | LTE 10 MHz | 64QAM      | 760.90          | mHz |
| BOTTOM              | LTE 10 MHz | 256QAM     | 758.60          | mHz |
| MIDDLE              | LTE 10 MHz | QPSK       | 742.19          | mHz |
| MIDDLE              | LTE 10 MHz | 16QAM      | -551.03         | mHz |
| MIDDLE              | LTE 10 MHz | 64QAM      | -249.63         | mHz |
| MIDDLE              | LTE 10 MHz | 256QAM     | -525.97         | mHz |
| TOP                 | LTE 10 MHz | QPSK       | -875.15         | mHz |
| TOP                 | LTE 10 MHz | 16QAM      | -479.33         | mHz |
| TOP                 | LTE 10 MHz | 64QAM      | -416.53         | mHz |
| TOP                 | LTE 10 MHz | 256QAM     | 726.89          | mHz |
| BOTTOM              | LTE 15 MHz | QPSK       | 841.74          | mHz |
| BOTTOM              | LTE 15 MHz | 16QAM      | 168.40          | mHz |
| BOTTOM              | LTE 15 MHz | 64QAM      | 772.02          | mHz |
| BOTTOM              | LTE 15 MHz | 256QAM     | 35.02           | mHz |
| MIDDLE              | LTE 15 MHz | QPSK       | -2.51           | Hz  |
| MIDDLE              | LTE 15 MHz | 16QAM      | 229.83          | mHz |
| MIDDLE              | LTE 15 MHz | 64QAM      | 886.09          | mHz |
| MIDDLE              | LTE 15 MHz | 256QAM     | 895.96          | mHz |
| TOP                 | LTE 15 MHz | QPSK       | -437.24         | mHz |
| TOP                 | LTE 15 MHz | 16QAM      | -239.88         | mHz |
| TOP                 | LTE 15 MHz | 64QAM      | 446.36          | mHz |
| TOP                 | LTE 15 MHz | 256QAM     | 3.06            | Hz  |
| BOTTOM              | LTE 20 MHz | QPSK       | 293.00          | mHz |
| BOTTOM              | LTE 20 MHz | 16QAM      | -457.38         | mHz |
| BOTTOM              | LTE 20 MHz | 64QAM      | 416.11          | mHz |
| BOTTOM              | LTE 20 MHz | 256QAM     | 549.72          | mHz |
| MIDDLE              | LTE 20 MHz | QPSK       | -485.41         | mHz |
| MIDDLE              | LTE 20 MHz | 16QAM      | -868.73         | mHz |
| MIDDLE              | LTE 20 MHz | 64QAM      | 787.68          | mHz |
| MIDDLE              | LTE 20 MHz | 256QAM     | 233.06          | mHz |
| TOP                 | LTE 20 MHz | QPSK       | -2.12           | Hz  |
| TOP                 | LTE 20 MHz | 16QAM      | -270.96         | mHz |
| TOP                 | LTE 20 MHz | 64QAM      | -624.13         | mHz |
| TOP                 | LTE 20 MHz | 256QAM     | 881.60          | mHz |

| Temperature = 0°C |            |            |                 |     |
|-------------------|------------|------------|-----------------|-----|
| Channel           | Signal     | Modulation | Frequency Error |     |
| BOTTOM            | LTE 5 MHz  | QPSK       | 828.67          | mHz |
| BOTTOM            | LTE 5 MHz  | 16QAM      | 62.27           | mHz |
| BOTTOM            | LTE 5 MHz  | 64QAM      | -55.61          | mHz |
| BOTTOM            | LTE 5 MHz  | 256QAM     | -3.27           | Hz  |
| MIDDLE            | LTE 5 MHz  | QPSK       | 838.48          | mHz |
| MIDDLE            | LTE 5 MHz  | 16QAM      | 171.98          | mHz |
| MIDDLE            | LTE 5 MHz  | 64QAM      | -150.87         | mHz |
| MIDDLE            | LTE 5 MHz  | 256QAM     | 355.46          | mHz |
| TOP               | LTE 5 MHz  | QPSK       | 830.64          | mHz |
| TOP               | LTE 5 MHz  | 16QAM      | 464.74          | mHz |
| TOP               | LTE 5 MHz  | 64QAM      | 242.27          | mHz |
| TOP               | LTE 5 MHz  | 256QAM     | 310.84          | mHz |
| BOTTOM            | LTE 10 MHz | QPSK       | 794.03          | mHz |
| BOTTOM            | LTE 10 MHz | 16QAM      | -789.61         | mHz |
| BOTTOM            | LTE 10 MHz | 64QAM      | 2.43            | Hz  |
| BOTTOM            | LTE 10 MHz | 256QAM     | -367.11         | mHz |
| MIDDLE            | LTE 10 MHz | QPSK       | 799.66          | mHz |
| MIDDLE            | LTE 10 MHz | 16QAM      | 603.89          | mHz |
| MIDDLE            | LTE 10 MHz | 64QAM      | 154.31          | mHz |
| MIDDLE            | LTE 10 MHz | 256QAM     | 846.16          | mHz |
| TOP               | LTE 10 MHz | QPSK       | 533.62          | mHz |
| TOP               | LTE 10 MHz | 16QAM      | -378.59         | mHz |
| TOP               | LTE 10 MHz | 64QAM      | -520.35         | mHz |
| TOP               | LTE 10 MHz | 256QAM     | -666.42         | mHz |
| BOTTOM            | LTE 15 MHz | QPSK       | -422.44         | mHz |
| BOTTOM            | LTE 15 MHz | 16QAM      | -696.39         | mHz |
| BOTTOM            | LTE 15 MHz | 64QAM      | 549.76          | mHz |
| BOTTOM            | LTE 15 MHz | 256QAM     | 427.38          | mHz |
| MIDDLE            | LTE 15 MHz | QPSK       | 443.08          | mHz |
| MIDDLE            | LTE 15 MHz | 16QAM      | 333.59          | mHz |
| MIDDLE            | LTE 15 MHz | 64QAM      | -305.43         | mHz |
| MIDDLE            | LTE 15 MHz | 256QAM     | -522.06         | mHz |
| TOP               | LTE 15 MHz | QPSK       | -674.09         | mHz |
| TOP               | LTE 15 MHz | 16QAM      | -3.17           | Hz  |
| TOP               | LTE 15 MHz | 64QAM      | -323.43         | mHz |
| TOP               | LTE 15 MHz | 256QAM     | -330.88         | mHz |
| BOTTOM            | LTE 20 MHz | QPSK       | 892.19          | mHz |
| BOTTOM            | LTE 20 MHz | 16QAM      | 282.11          | mHz |
| BOTTOM            | LTE 20 MHz | 64QAM      | 31.58           | mHz |
| BOTTOM            | LTE 20 MHz | 256QAM     | -390.44         | mHz |
| MIDDLE            | LTE 20 MHz | QPSK       | 688.21          | mHz |
| MIDDLE            | LTE 20 MHz | 16QAM      | 1.80            | Hz  |
| MIDDLE            | LTE 20 MHz | 64QAM      | 570.92          | mHz |
| MIDDLE            | LTE 20 MHz | 256QAM     | -765.18         | mHz |
| TOP               | LTE 20 MHz | QPSK       | -504.43         | mHz |
| TOP               | LTE 20 MHz | 16QAM      | 184.44          | mHz |
| TOP               | LTE 20 MHz | 64QAM      | -792.31         | mHz |
| TOP               | LTE 20 MHz | 256QAM     | 593.04          | mHz |

| Temperature = 10°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | 514.00          | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 230.29          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 195.96          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | -766.11         | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | -448.07         | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | -682.63         | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | -625.14         | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -1.93           | Hz  |
| TOP                | LTE 5 MHz  | QPSK       | 775.78          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | 339.65          | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | -588.20         | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | -139.19         | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | -535.92         | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | 579.89          | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | -794.53         | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 100.34          | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 114.87          | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | 659.83          | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | 410.19          | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | -246.28         | mHz |
| TOP                | LTE 10 MHz | QPSK       | -286.84         | mHz |
| TOP                | LTE 10 MHz | 16QAM      | -532.56         | mHz |
| TOP                | LTE 10 MHz | 64QAM      | 469.01          | mHz |
| TOP                | LTE 10 MHz | 256QAM     | 1.00            | Hz  |
| BOTTOM             | LTE 15 MHz | QPSK       | -398.12         | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | 884.91          | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -392.59         | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -193.84         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | 1.72            | Hz  |
| MIDDLE             | LTE 15 MHz | 16QAM      | 817.98          | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | 821.13          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | -755.46         | mHz |
| TOP                | LTE 15 MHz | QPSK       | 166.00          | mHz |
| TOP                | LTE 15 MHz | 16QAM      | 832.37          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | -3.45           | Hz  |
| TOP                | LTE 15 MHz | 256QAM     | 298.78          | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -738.67         | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | -180.35         | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | -114.75         | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | 443.21          | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | -166.61         | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | 471.67          | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -613.46         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | -599.19         | mHz |
| TOP                | LTE 20 MHz | QPSK       | -1.70           | Hz  |
| TOP                | LTE 20 MHz | 16QAM      | 262.47          | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 609.25          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | 419.39          | mHz |

| Temperature = 20°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -329.81         | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 698.62          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 664.32          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | -410.38         | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | -653.77         | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | 805.68          | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | 650.89          | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -651.68         | mHz |
| TOP                | LTE 5 MHz  | QPSK       | 273.81          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | -126.12         | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | -554.71         | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | 214.66          | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | -324.85         | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | -413.12         | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | -595.65         | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | -2.81           | Hz  |
| MIDDLE             | LTE 10 MHz | QPSK       | -301.54         | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | 45.93           | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | -752.93         | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | 569.78          | mHz |
| TOP                | LTE 10 MHz | QPSK       | -129.78         | mHz |
| TOP                | LTE 10 MHz | 16QAM      | 407.72          | mHz |
| TOP                | LTE 10 MHz | 64QAM      | 3.04            | Hz  |
| TOP                | LTE 10 MHz | 256QAM     | -256.52         | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | 246.13          | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | -245.49         | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | 252.52          | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -329.51         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | -2.32           | Hz  |
| MIDDLE             | LTE 15 MHz | 16QAM      | -345.73         | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | 221.20          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | -316.31         | mHz |
| TOP                | LTE 15 MHz | QPSK       | -794.09         | mHz |
| TOP                | LTE 15 MHz | 16QAM      | 612.64          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | -479.42         | mHz |
| TOP                | LTE 15 MHz | 256QAM     | -312.11         | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | 447.72          | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | -52.07          | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | 730.10          | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | 673.79          | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | -4.56           | Hz  |
| MIDDLE             | LTE 20 MHz | 16QAM      | -698.01         | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -853.29         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | -557.89         | mHz |
| TOP                | LTE 20 MHz | QPSK       | -614.78         | mHz |
| TOP                | LTE 20 MHz | 16QAM      | 56.74           | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 709.91          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | -282.36         | mHz |

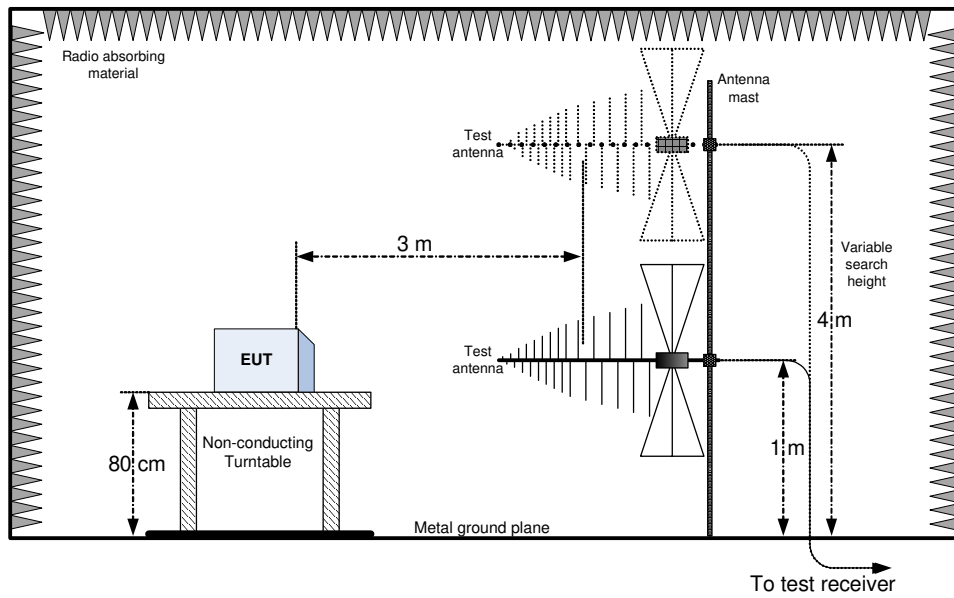
| Temperature = 30°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -877.91         | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | 658.36          | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | -888.13         | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 40.06           | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | 283.02          | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | 36.39           | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | 573.54          | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | 64.02           | mHz |
| TOP                | LTE 5 MHz  | QPSK       | -842.30         | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | 1.78            | Hz  |
| TOP                | LTE 5 MHz  | 64QAM      | -682.35         | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | 487.42          | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | -24.13          | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | -739.36         | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | 894.15          | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 393.74          | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 591.63          | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | -115.04         | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | -114.21         | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | -565.89         | mHz |
| TOP                | LTE 10 MHz | QPSK       | -729.85         | mHz |
| TOP                | LTE 10 MHz | 16QAM      | -326.70         | mHz |
| TOP                | LTE 10 MHz | 64QAM      | -545.18         | mHz |
| TOP                | LTE 10 MHz | 256QAM     | 891.07          | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | 289.39          | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | -114.72         | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -321.57         | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -650.48         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | -796.37         | mHz |
| MIDDLE             | LTE 15 MHz | 16QAM      | -3.70           | Hz  |
| MIDDLE             | LTE 15 MHz | 64QAM      | 194.08          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | -440.21         | mHz |
| TOP                | LTE 15 MHz | QPSK       | -4.71           | Hz  |
| TOP                | LTE 15 MHz | 16QAM      | 112.92          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | 420.34          | mHz |
| TOP                | LTE 15 MHz | 256QAM     | 222.95          | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -739.94         | mHz |
| BOTTOM             | LTE 20 MHz | 16QAM      | -286.93         | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | -842.53         | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | -861.29         | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | -1.37           | Hz  |
| MIDDLE             | LTE 20 MHz | 16QAM      | -569.49         | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -227.79         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | 882.82          | mHz |
| TOP                | LTE 20 MHz | QPSK       | 872.86          | mHz |
| TOP                | LTE 20 MHz | 16QAM      | -816.74         | mHz |
| TOP                | LTE 20 MHz | 64QAM      | -895.08         | mHz |
| TOP                | LTE 20 MHz | 256QAM     | -70.65          | mHz |

| Temperature = 40°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -860.98         | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | -615.13         | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 218.27          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 624.30          | mHz |
| MIDDLE             | LTE 5 MHz  | QPSK       | 104.15          | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | -544.67         | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | 232.75          | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | 37.68           | mHz |
| TOP                | LTE 5 MHz  | QPSK       | 742.50          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | 209.12          | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | 481.72          | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | -295.08         | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | 597.24          | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | -505.14         | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | 516.04          | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | 3.58            | Hz  |
| MIDDLE             | LTE 10 MHz | QPSK       | -802.18         | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | -37.92          | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | 427.76          | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | -570.23         | mHz |
| TOP                | LTE 10 MHz | QPSK       | 2.48            | Hz  |
| TOP                | LTE 10 MHz | 16QAM      | 624.43          | mHz |
| TOP                | LTE 10 MHz | 64QAM      | -833.67         | mHz |
| TOP                | LTE 10 MHz | 256QAM     | -862.42         | mHz |
| BOTTOM             | LTE 15 MHz | QPSK       | 65.88           | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | 172.38          | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | -522.90         | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -827.95         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | 127.45          | mHz |
| MIDDLE             | LTE 15 MHz | 16QAM      | 577.27          | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | -337.72         | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | 499.67          | mHz |
| TOP                | LTE 15 MHz | QPSK       | 744.09          | mHz |
| TOP                | LTE 15 MHz | 16QAM      | 727.58          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | -612.20         | mHz |
| TOP                | LTE 15 MHz | 256QAM     | 2.45            | Hz  |
| BOTTOM             | LTE 20 MHz | QPSK       | -4.14           | Hz  |
| BOTTOM             | LTE 20 MHz | 16QAM      | -765.08         | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | -665.37         | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | 132.49          | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | 734.26          | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | 740.58          | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -838.26         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | -827.03         | mHz |
| TOP                | LTE 20 MHz | QPSK       | -692.79         | mHz |
| TOP                | LTE 20 MHz | 16QAM      | -762.33         | mHz |
| TOP                | LTE 20 MHz | 64QAM      | 685.31          | mHz |
| TOP                | LTE 20 MHz | 256QAM     | -1.06           | Hz  |

| Temperature = 50°C |            |            |                 |     |
|--------------------|------------|------------|-----------------|-----|
| Channel            | Signal     | Modulation | Frequency Error |     |
| BOTTOM             | LTE 5 MHz  | QPSK       | -20.30          | mHz |
| BOTTOM             | LTE 5 MHz  | 16QAM      | -820.95         | mHz |
| BOTTOM             | LTE 5 MHz  | 64QAM      | 760.56          | mHz |
| BOTTOM             | LTE 5 MHz  | 256QAM     | 4.61            | Hz  |
| MIDDLE             | LTE 5 MHz  | QPSK       | 629.95          | mHz |
| MIDDLE             | LTE 5 MHz  | 16QAM      | 154.17          | mHz |
| MIDDLE             | LTE 5 MHz  | 64QAM      | 179.28          | mHz |
| MIDDLE             | LTE 5 MHz  | 256QAM     | -418.12         | mHz |
| TOP                | LTE 5 MHz  | QPSK       | 733.97          | mHz |
| TOP                | LTE 5 MHz  | 16QAM      | 726.40          | mHz |
| TOP                | LTE 5 MHz  | 64QAM      | -563.93         | mHz |
| TOP                | LTE 5 MHz  | 256QAM     | 859.71          | mHz |
| BOTTOM             | LTE 10 MHz | QPSK       | -744.81         | mHz |
| BOTTOM             | LTE 10 MHz | 16QAM      | 805.59          | mHz |
| BOTTOM             | LTE 10 MHz | 64QAM      | 413.26          | mHz |
| BOTTOM             | LTE 10 MHz | 256QAM     | -562.30         | mHz |
| MIDDLE             | LTE 10 MHz | QPSK       | 848.84          | mHz |
| MIDDLE             | LTE 10 MHz | 16QAM      | -488.94         | mHz |
| MIDDLE             | LTE 10 MHz | 64QAM      | -784.52         | mHz |
| MIDDLE             | LTE 10 MHz | 256QAM     | 100.02          | mHz |
| TOP                | LTE 10 MHz | QPSK       | -121.35         | mHz |
| TOP                | LTE 10 MHz | 16QAM      | -181.16         | mHz |
| TOP                | LTE 10 MHz | 64QAM      | 29.76           | mHz |
| TOP                | LTE 10 MHz | 256QAM     | -3.27           | Hz  |
| BOTTOM             | LTE 15 MHz | QPSK       | -713.49         | mHz |
| BOTTOM             | LTE 15 MHz | 16QAM      | -421.72         | mHz |
| BOTTOM             | LTE 15 MHz | 64QAM      | 634.04          | mHz |
| BOTTOM             | LTE 15 MHz | 256QAM     | -703.10         | mHz |
| MIDDLE             | LTE 15 MHz | QPSK       | -661.19         | mHz |
| MIDDLE             | LTE 15 MHz | 16QAM      | -180.25         | mHz |
| MIDDLE             | LTE 15 MHz | 64QAM      | 775.06          | mHz |
| MIDDLE             | LTE 15 MHz | 256QAM     | 856.12          | mHz |
| TOP                | LTE 15 MHz | QPSK       | 334.15          | mHz |
| TOP                | LTE 15 MHz | 16QAM      | 375.22          | mHz |
| TOP                | LTE 15 MHz | 64QAM      | 73.75           | mHz |
| TOP                | LTE 15 MHz | 256QAM     | 658.14          | mHz |
| BOTTOM             | LTE 20 MHz | QPSK       | -2.34           | Hz  |
| BOTTOM             | LTE 20 MHz | 16QAM      | -522.36         | mHz |
| BOTTOM             | LTE 20 MHz | 64QAM      | 843.20          | mHz |
| BOTTOM             | LTE 20 MHz | 256QAM     | -860.17         | mHz |
| MIDDLE             | LTE 20 MHz | QPSK       | -672.08         | mHz |
| MIDDLE             | LTE 20 MHz | 16QAM      | 604.66          | mHz |
| MIDDLE             | LTE 20 MHz | 64QAM      | -756.62         | mHz |
| MIDDLE             | LTE 20 MHz | 256QAM     | -487.97         | mHz |
| TOP                | LTE 20 MHz | QPSK       | 531.70          | mHz |
| TOP                | LTE 20 MHz | 16QAM      | 896.62          | mHz |
| TOP                | LTE 20 MHz | 64QAM      | -778.89         | mHz |
| TOP                | LTE 20 MHz | 256QAM     | -99.88          | mHz |

## Appendix B: Block diagrams of test set-ups

### Radiated emissions set-up



### Substitution method set-up

