



| Modulation | Bandwidth | Sub Carrier | Operation Frequency | 0.1% PAPR | Limit |
|------------|-----------|-------------|---------------------|-----------|-------|
| | (MHz) | (kHz) | (MHz) | (dB) | (dB) |
| 16QAM | 5 | 15 | 730.5 | 11.63 | 13.0 |
| | | 30 | | 8.54 | |
| | | 15 | 751.5 | 10.14 | |
| | | 30 | | 8.34 | |
| | | 15 | 765.5 | 10.32 | |
| | | 30 | | 8.49 | |
| | 10 | 15 | 733.0 | 12.99 | |
| | | 30 | | 11.64 | |
| | | 15 | 751.5 | 11.87 | |
| | | 30 | | 11.07 | |
| | | 15 | 763.0 | 9.29 | |
| | | 30 | | 8.68 | |
| | 15 | 15 | 735.5 | 10.65 | |
| | | 30 | | 11.03 | |

Table 19 Test Results Peak to Average Power Ratio 16 QAM

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | 0.1% PAPR | Limit |
|------------|-----------|-------------|---------------------|-----------|-------|
| | (MHz) | (kHz) | (MHz) | (dB) | (dB) |
| 64QAM | 5 | 15 | 730.5 | 8.50 | 13.0 |
| | | 30 | | 8.23 | |
| | | 15 | 751.5 | 8.14 | |
| | | 30 | | 8.40 | |
| | | 15 | 765.5 | 8.30 | |
| | | 30 | | 7.99 | |
| | 10 | 15 | 733.0 | 8.41 | |
| | | 30 | | 8.39 | |
| | | 15 | 751.5 | 8.26 | |
| | | 30 | | 8.45 | |
| | | 15 | 763.0 | 8.43 | |
| | | 30 | | 8.90 | |
| | 15 | 15 | 735.5 | 8.68 | |
| | | 30 | | 9.22 | |

Table 20 Test Results Peak to Average Power Ratio 64 QAM



| Modulation | Bandwidth | Sub Carrier | Operation Frequency | 0.1% PAPR | Limit |
|------------|-----------|-------------|---------------------|-----------|-------|
| | (MHz) | (kHz) | (MHz) | (dB) | (dB) |
| 256QAM | 5 | 15 | 730.5 | 8.92 | 13.0 |
| | | 30 | | 8.60 | |
| | | 15 | 751.5 | 8.28 | |
| | | 30 | | 8.20 | |
| | | 15 | 765.5 | 8.38 | |
| | | 30 | | 8.40 | |
| | 10 | 15 | 733.0 | 8.57 | |
| | | 30 | | 9.16 | |
| | | 15 | 751.5 | 8.60 | |
| | | 30 | | 8.44 | |
| | | 15 | 763.0 | 9.70 | |
| | | 30 | | 9.64 | |
| | 15 | 15 | 735.5 | 10.14 | |
| | | 30 | | 10.84 | |

Table 21 Test Results Peak to Average Power Ratio 256 QAM

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | 0.1% PAPR | Limit |
|------------|-----------|-------------|---------------------|-----------|-------|
| | (MHz) | (kHz) | (MHz) | (dB) | (dB) |
| QPSK | 5 | 15 | 730.5 | 9.25 | 13.0 |
| | | 30 | | 9.32 | |
| | | 15 | 751.5 | 8.71 | |
| | | 30 | | 8.68 | |
| | | 15 | 765.5 | 9.32 | |
| | | 30 | | 8.85 | |
| | 10 | 15 | 733.0 | 8.78 | |
| | | 30 | | 8.86 | |
| | | 15 | 751.5 | 8.71 | |
| | | 30 | | 8.99 | |
| | | 15 | 763.0 | 8.46 | |
| | | 30 | | 8.35 | |
| | 15 | 15 | 735.5 | 10.72 | |
| | | 30 | | 11.29 | |

Table 22 Test Results Peak to Average Power Ratio QPSK

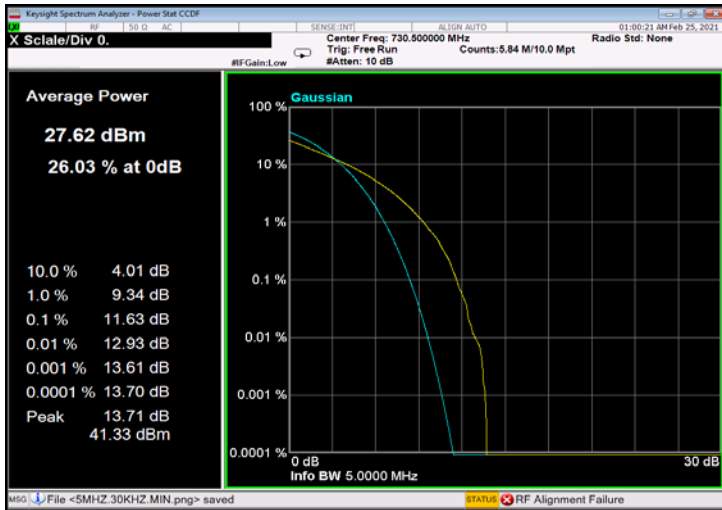


Figure 140: 16QAM 5MHz B.W; 730.5MHz, 15kHz

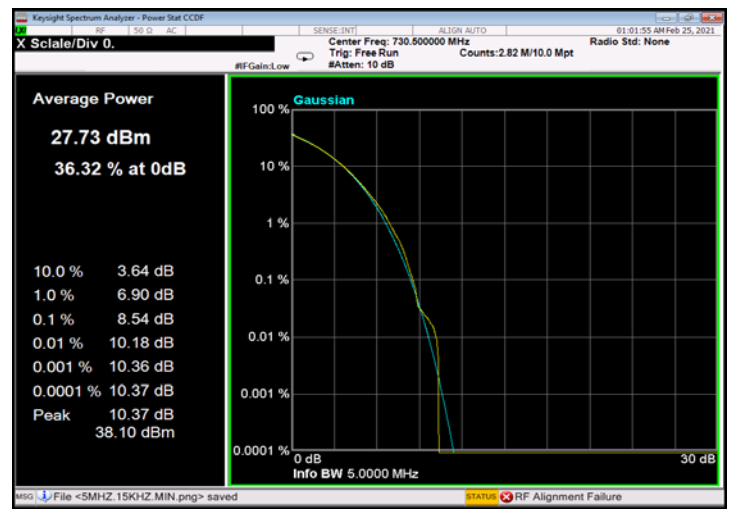


Figure 141: 16QAM 5MHz B.W; 730.5MHz, 30kHz

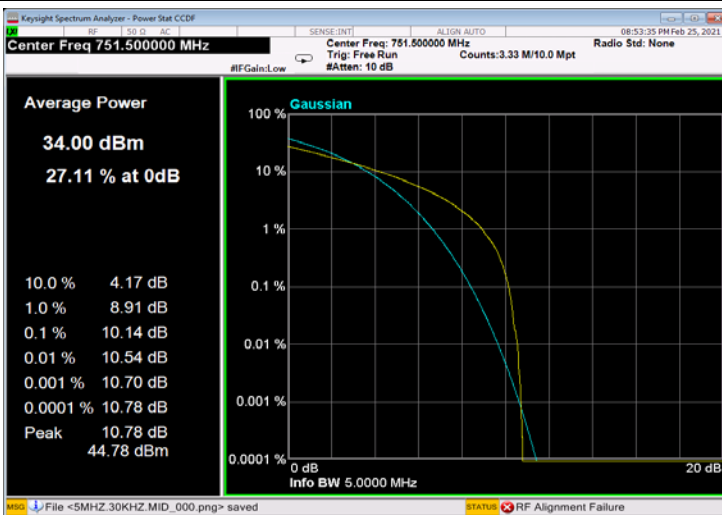


Figure 142: 16QAM 5MHz B.W; 751.5MHz, 15kHz

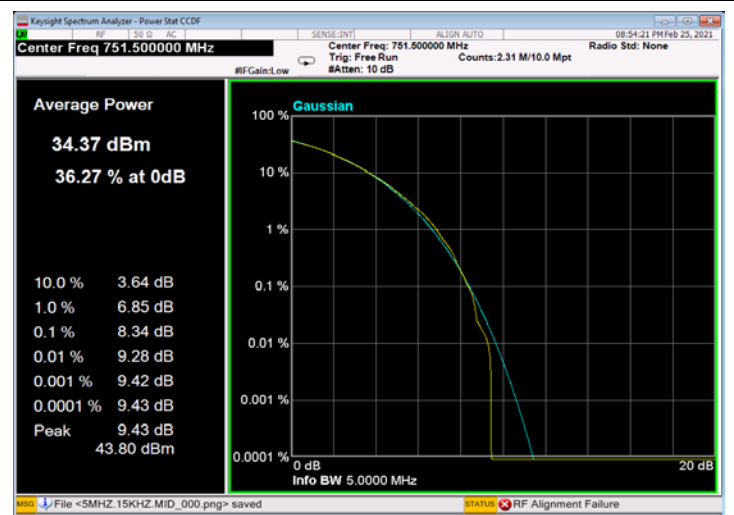


Figure 143: 16QAM 5MHz B.W; 751.5MHz, 30kHz

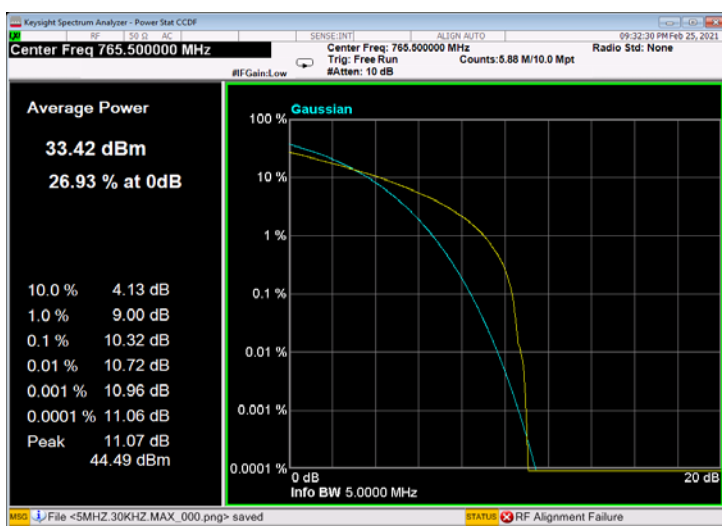


Figure 144: 16QAM 5MHz; 765.5MHz, 15kHz

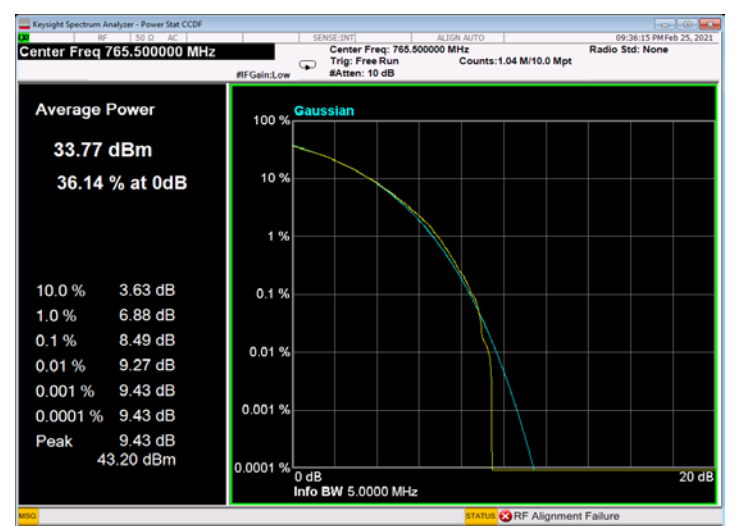


Figure 145: 16QAM 5MHz; 765.5MHz, 30kHz

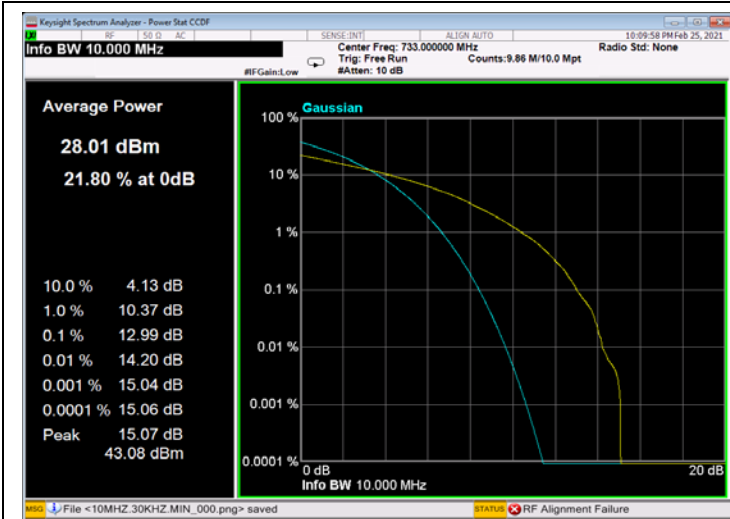


Figure 146: 16QAM 10MHz B.W; 733MHz, 15kHz

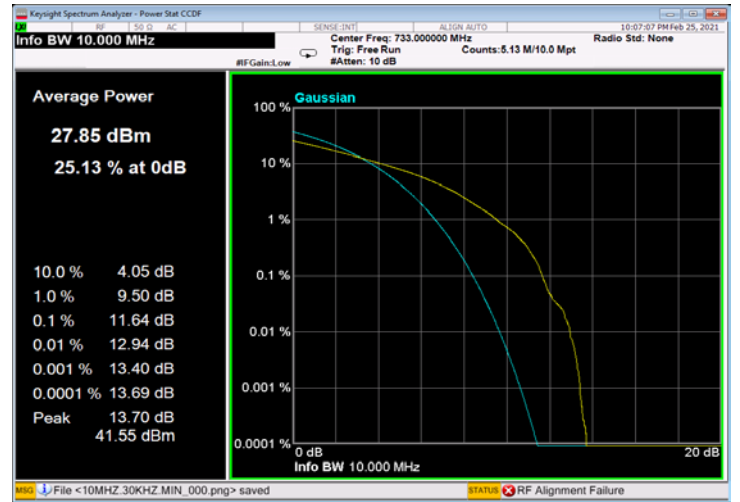


Figure 147: 16QAM 10MHz B.W; 733MHz, 30kHz

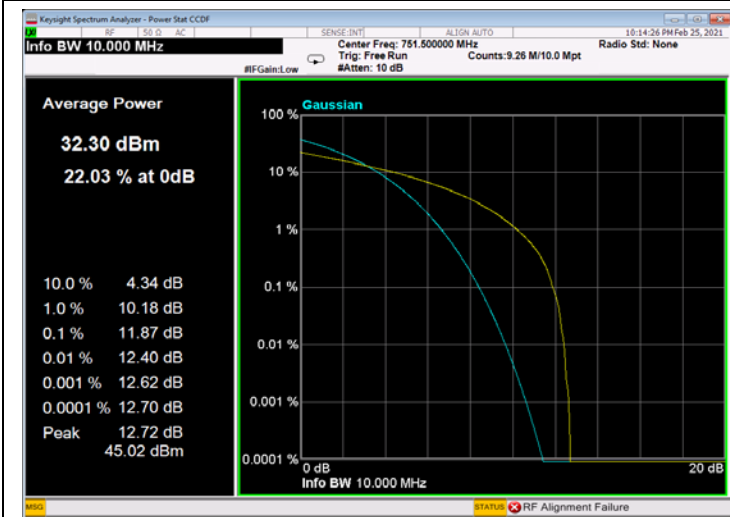


Figure 148: 16QAM 10MHz B.W; 751.5MHz, 15kHz

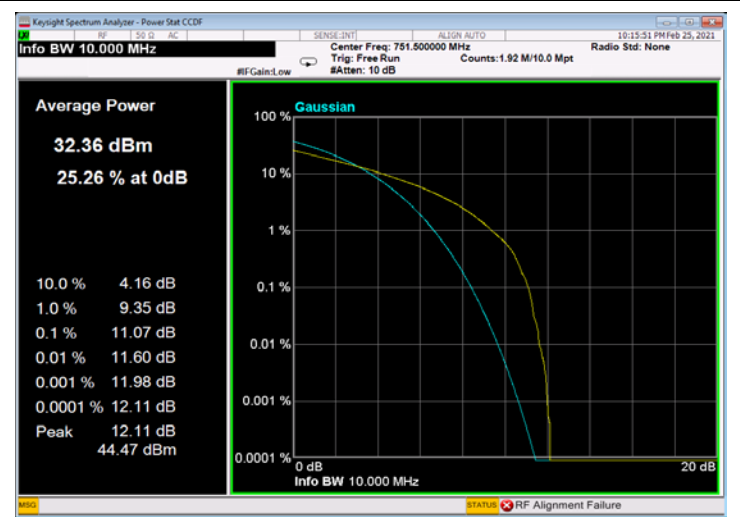


Figure 149: 16QAM 10MHz B.W; 751.5MHz, 30kHz

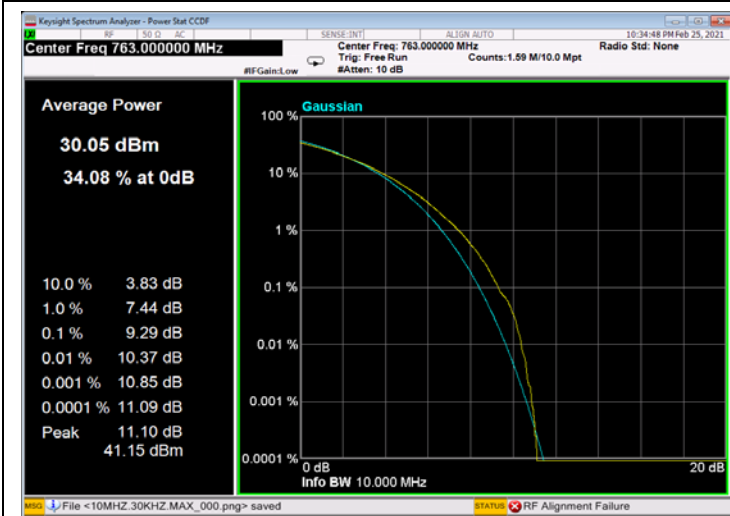


Figure 150: 16QAM 10MHz B.W; 763MHz, 15kHz

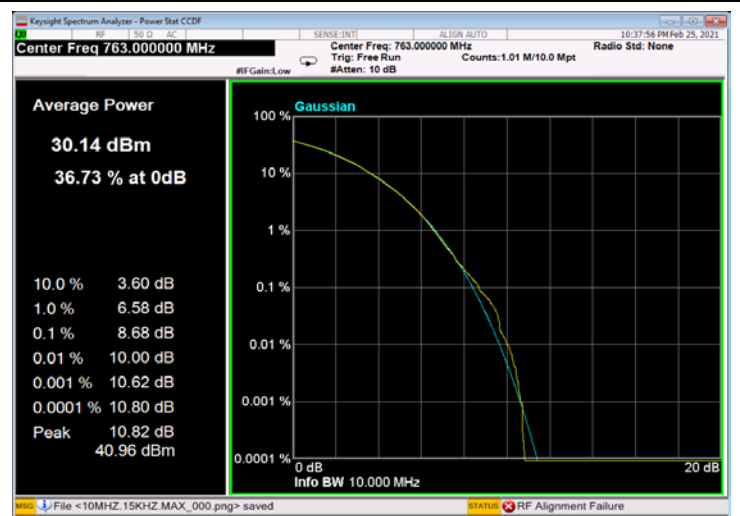


Figure 151: 16QAM 10MHz B.W; 763MHz, 30kHz



Figure 152: 16QAM 15MHz B.W; 735.5MHz, 15kHz



Figure 153: 16QAM 15MHz B.W; 735.5MHz, 30kHz



Figure 154: 64QAM 5MHz B.W; 730.5MHz, 15kHz

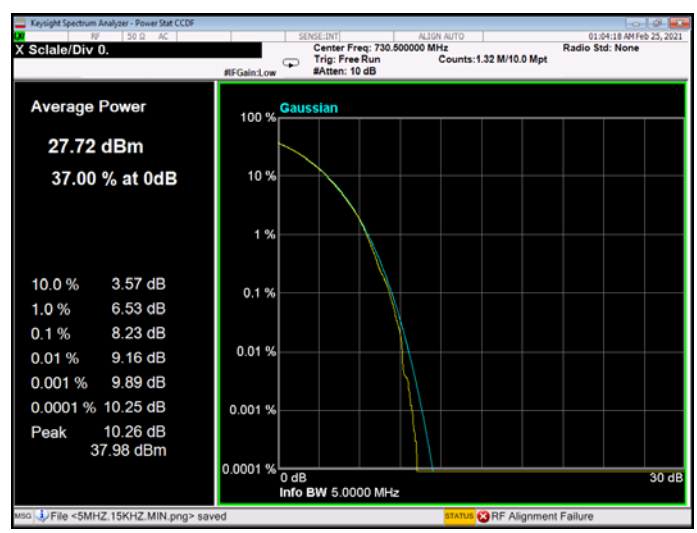


Figure 155: 64QAM 5MHz B.W; 730.5MHz, 30kHz

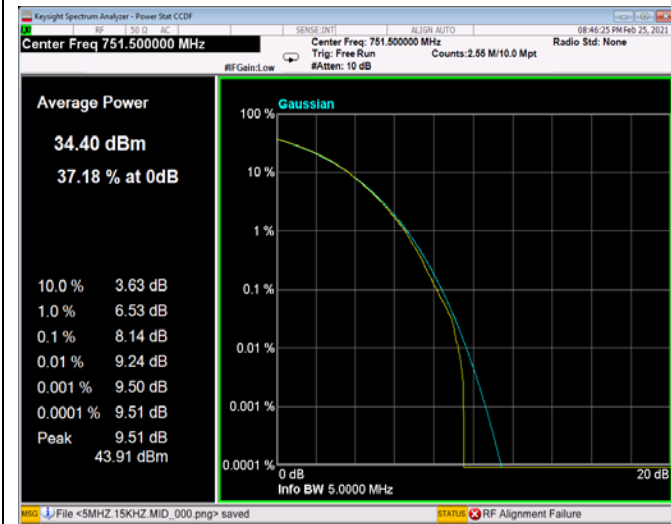


Figure 156: 64QAM 5MHz B.W; 751.5MHz, 15kHz

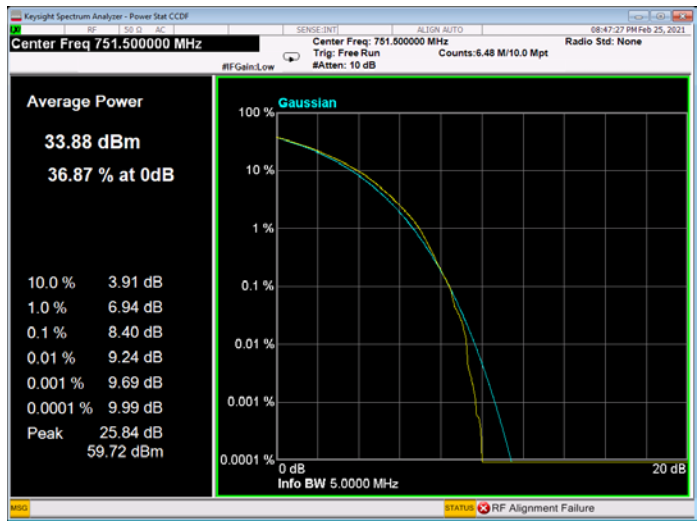


Figure 157: 64QAM 5MHz B.W; 751.5MHz, 30kHz

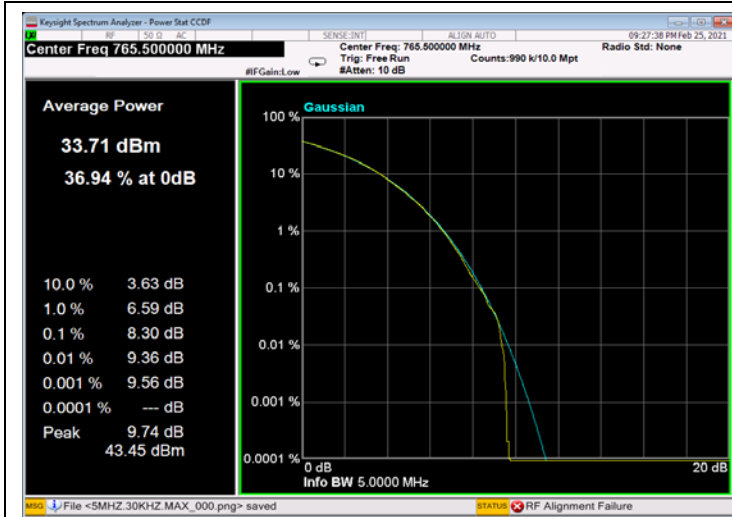


Figure 158: 64QAM 5MHz; 765.5MHz, 15kHz

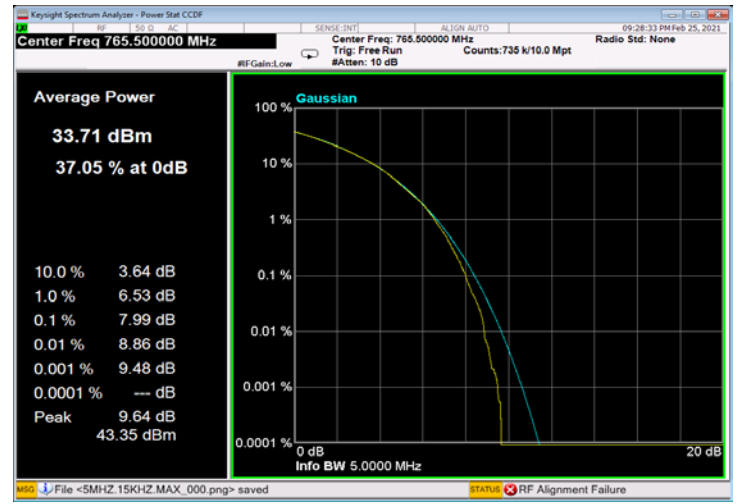


Figure 159: 64QAM 5MHz; 765.5MHz, 30kHz



Figure 160: 64QAM 10MHz B.W; 733MHz, 15kHz

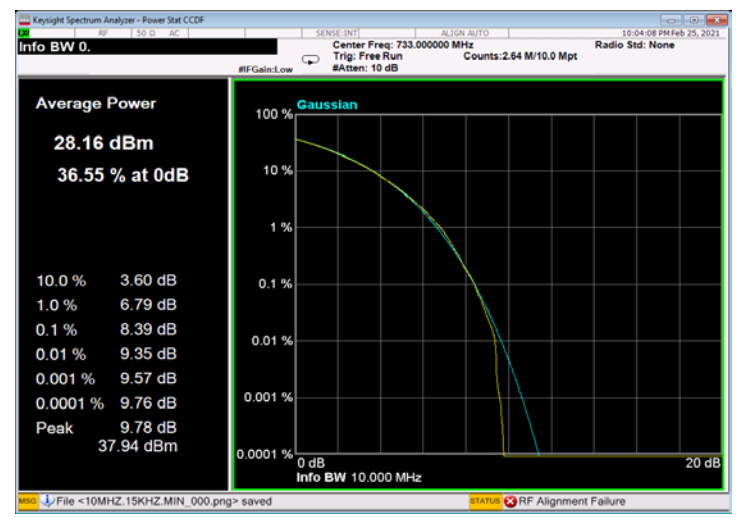


Figure 161: 64QAM 10MHz B.W; 733MHz, 30kHz

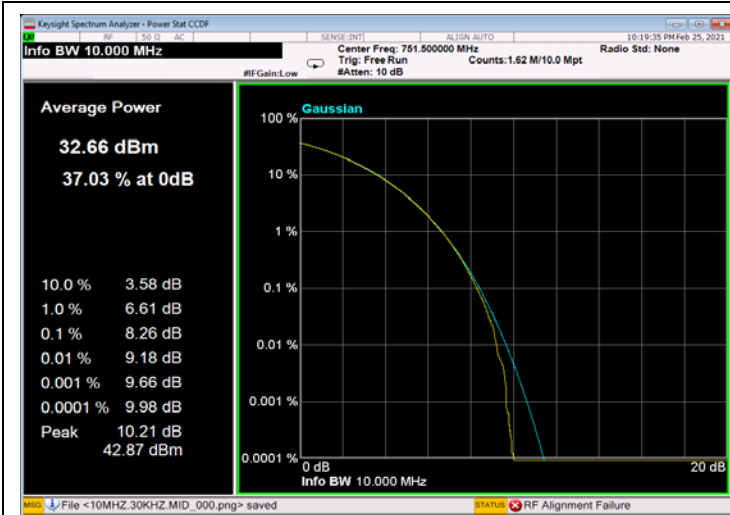


Figure 162: 64QAM 10MHz B.W; 751.5MHz, 15kHz

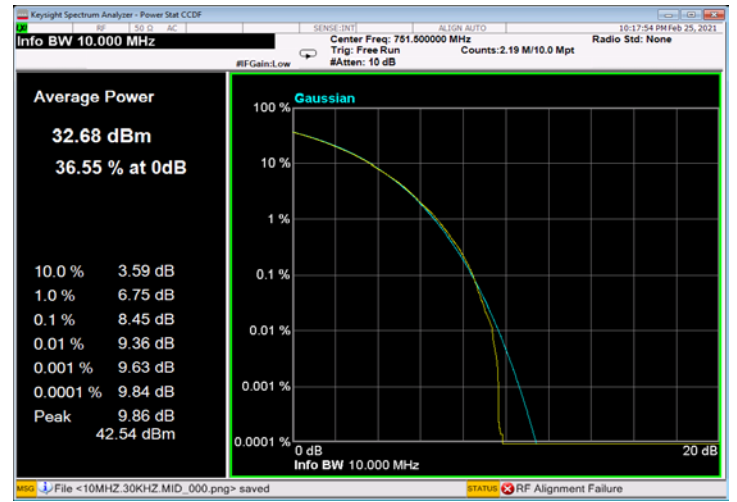


Figure 163: 64QAM 10MHz B.W; 751.5MHz, 30kHz

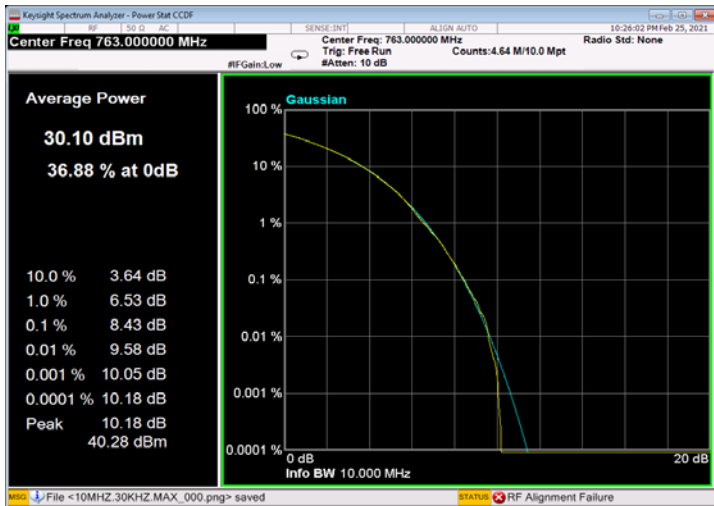


Figure 164: 64QAM 10MHz B.W; 763MHz, 15kHz

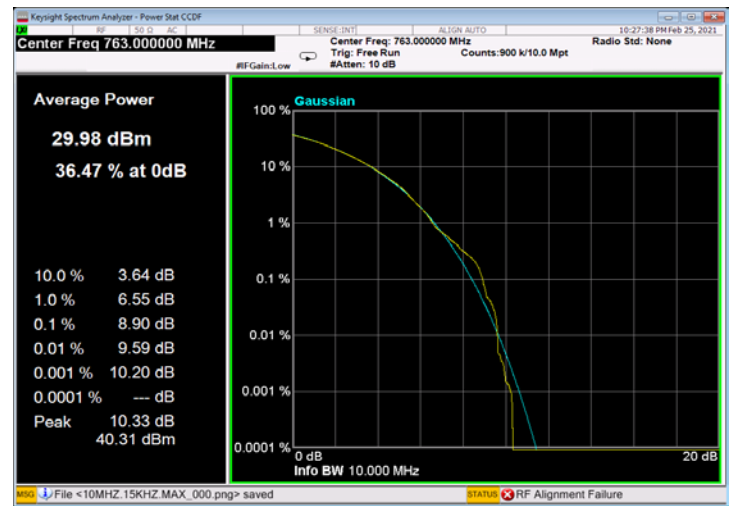


Figure 165: 64QAM 10MHz B.W; 763MHz, 30kHz

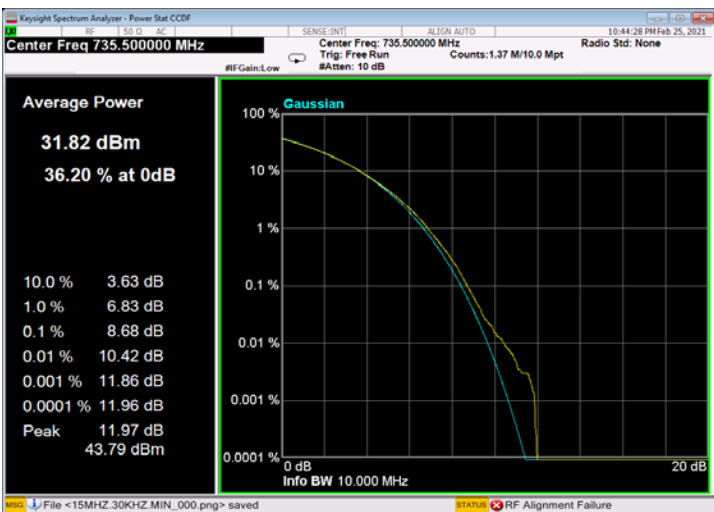


Figure 166: 64QAM 15MHz B.W; 735.5MHz, 15kHz

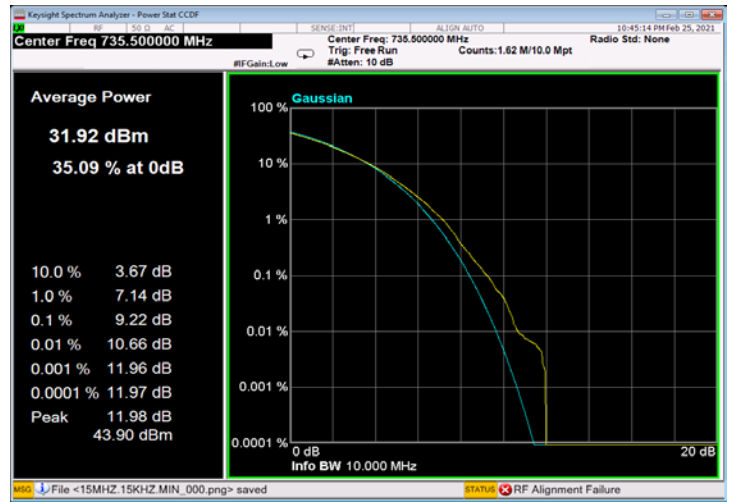


Figure 167: 64QAM 15MHz B.W; 735.5MHz, 30kHz

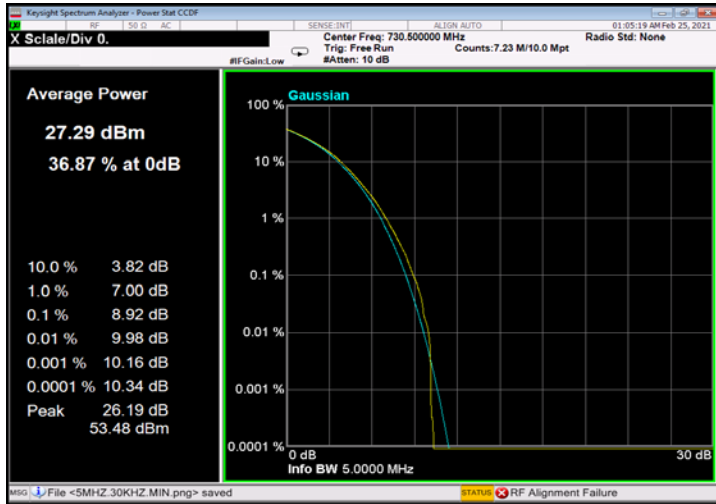


Figure 168: 256QAM 5MHz B.W; 730.5MHz, 15kHz

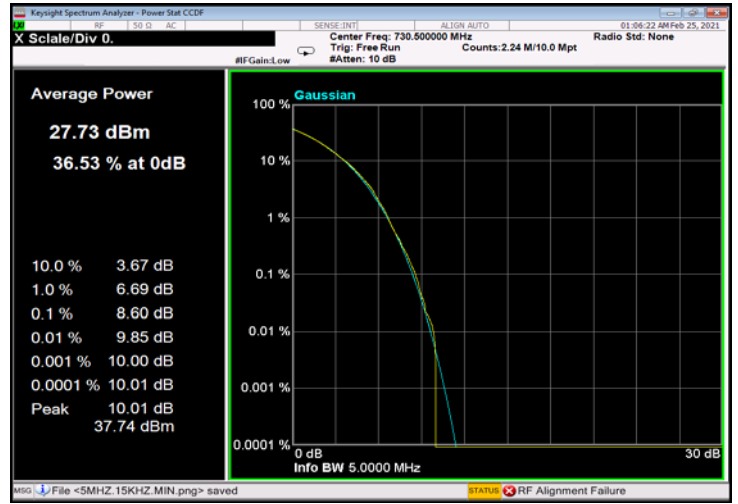


Figure 169: 256QAM 5MHz B.W; 730.5MHz, 30kHz

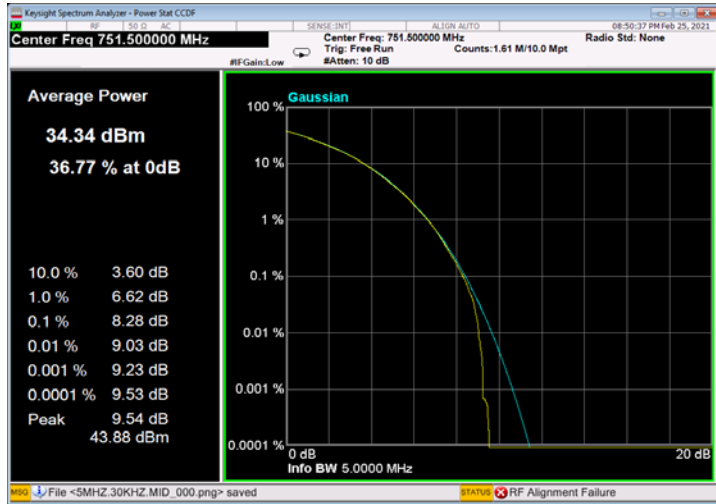


Figure 170: 256QAM 5MHz; 751.5MHz B.W, 15kHz



Figure 171: 256QAM 5MHz; 751.5MHz B.W, 30kHz

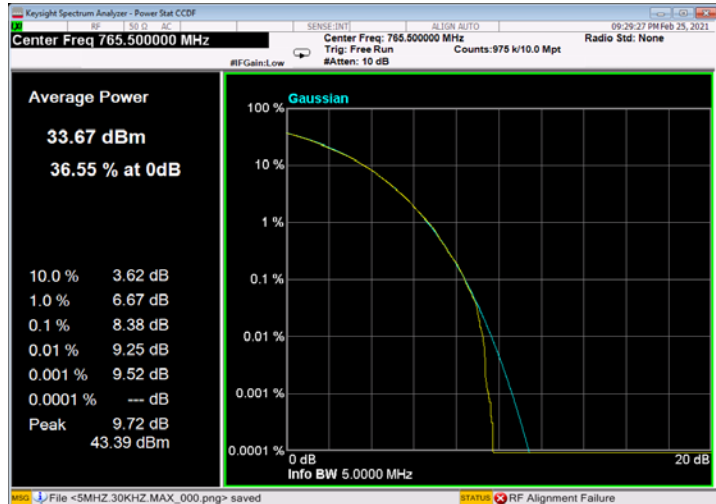


Figure 172: 256QAM 5MHz B.W; 765.5MHz, 15kHz

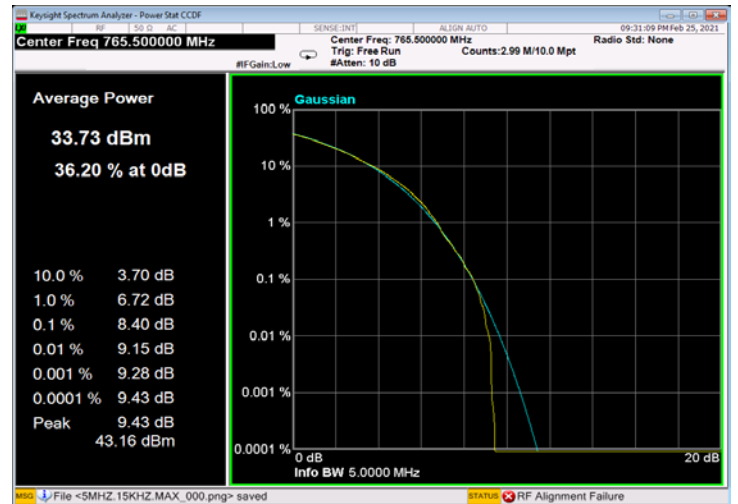


Figure 173: 256QAM 5MHz B.W; 765.5MHz, 30kHz

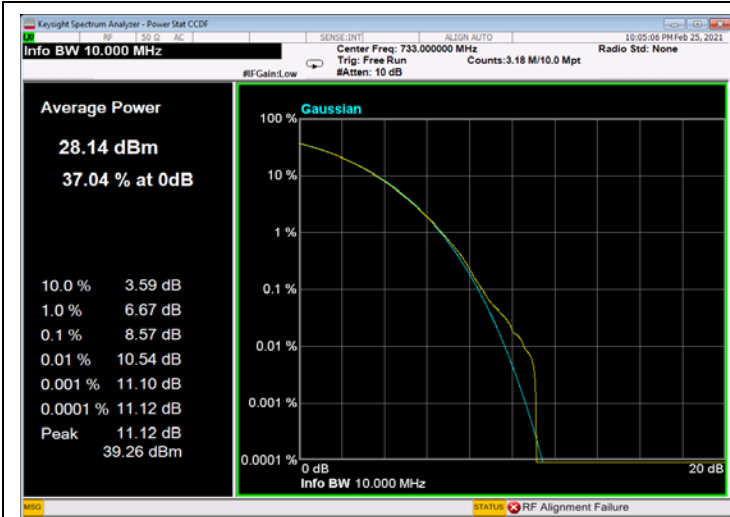


Figure 174: 256QAM 10MHz B.W; 733MHz, 15kHz

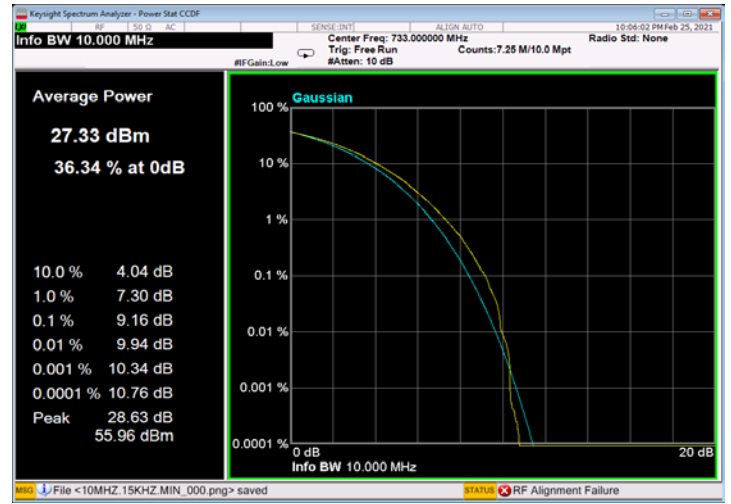


Figure 175: 256QAM 10MHz B.W; 733MHz, 30kHz

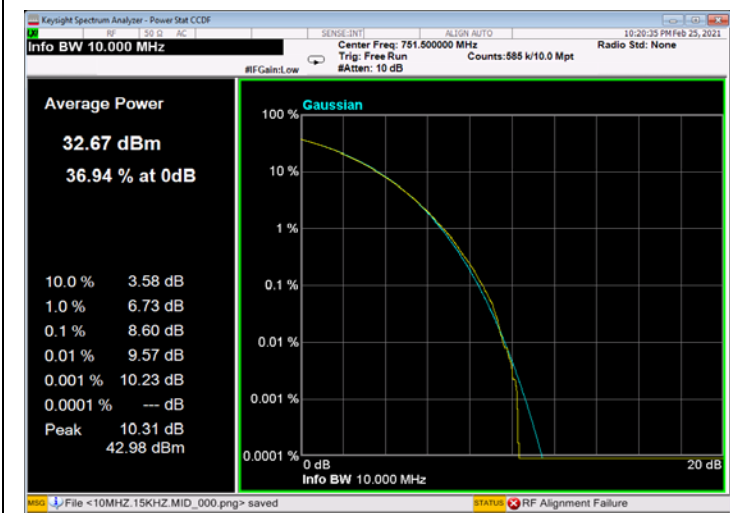


Figure 176: 256QAM 10MHz B.W; 751.5MHz, 15kHz

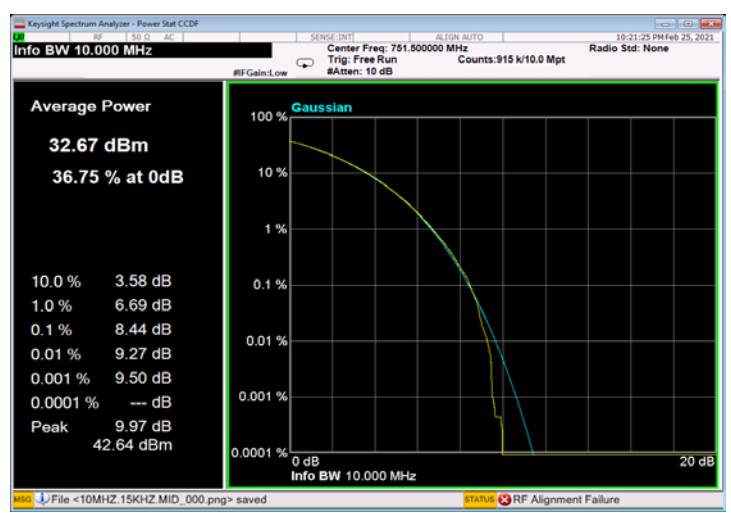


Figure 177: 256QAM 10MHz B.W; 751.5MHz, 30kHz

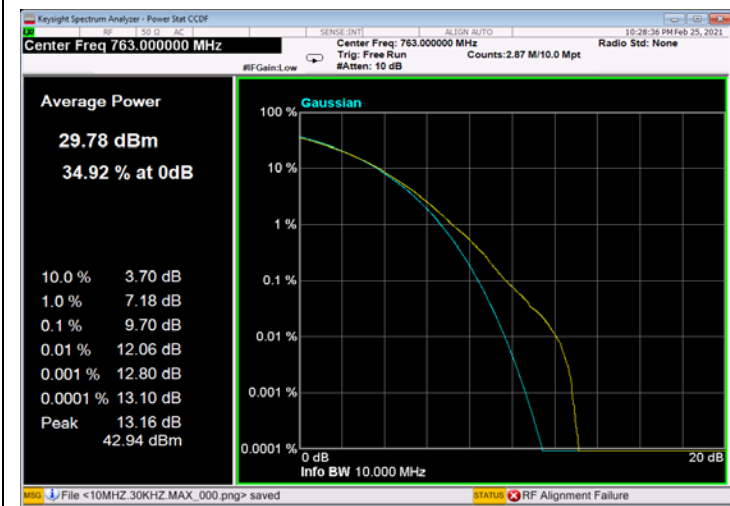


Figure 178: 256QAM 10MHz B.W; 763MHz, 15kHz

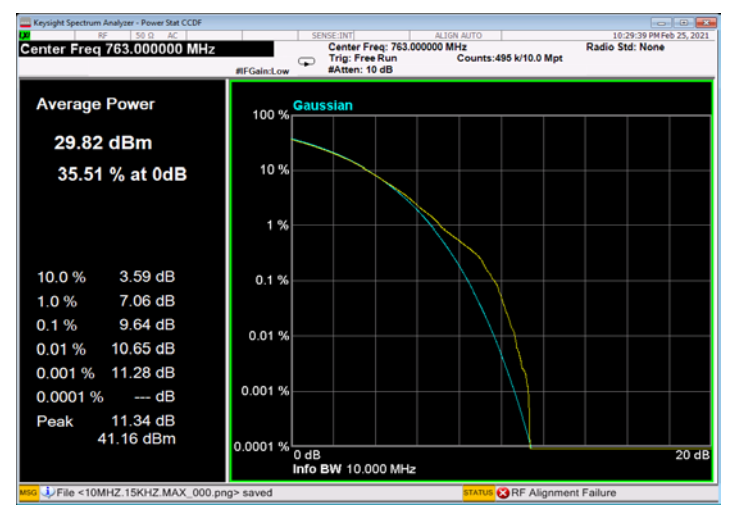


Figure 179: 256QAM 10MHz B.W; 763MHz, 30kHz

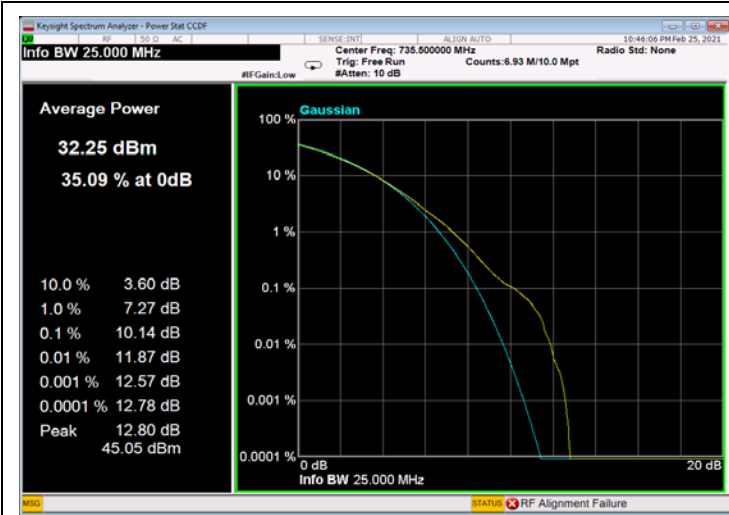


Figure 180: 256QAM 15MHz B.W; 735.5MHz, 15kHz

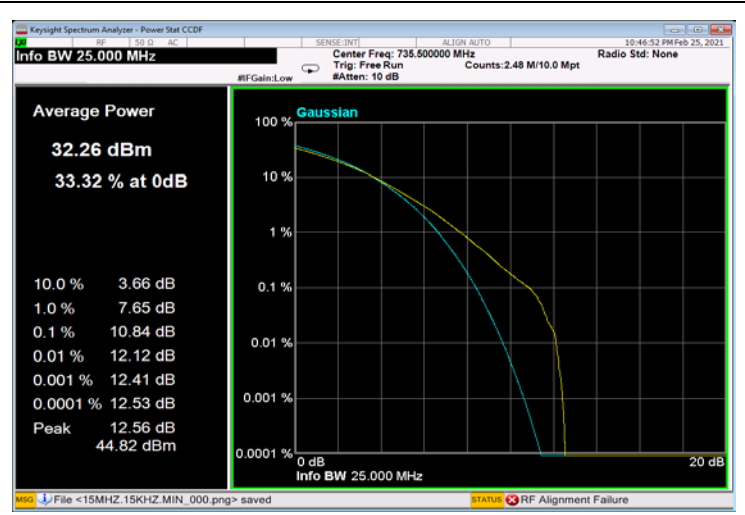


Figure 181: 256QAM 15MHz B.W; 735.5MHz, 30kHz

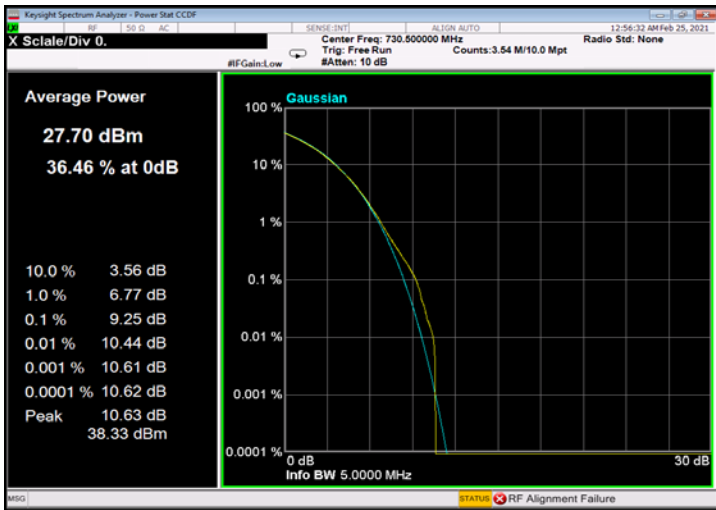


Figure 182: QPSK 5MHz B.W; 730.5MHz, 15kHz

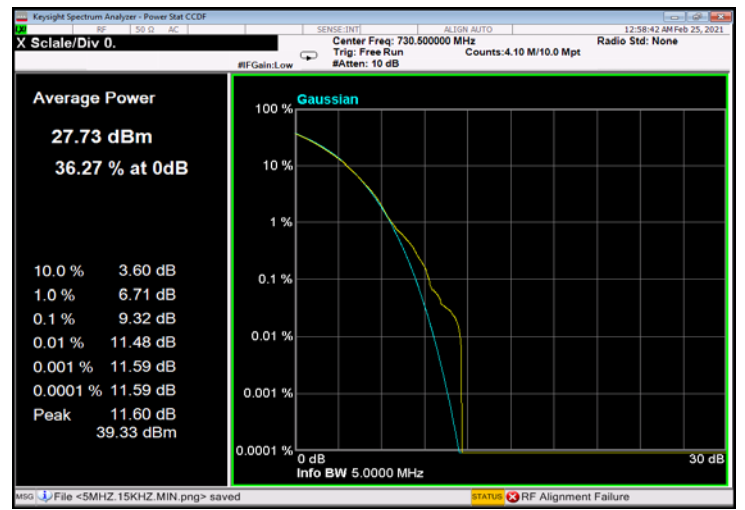


Figure 183: QPSK 5MHz B.W; 730.5MHz, 30kHz

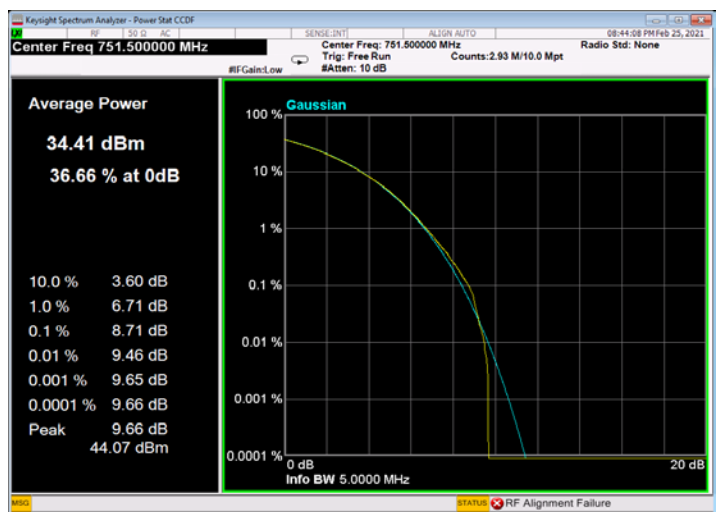


Figure 184: QPSK 5MHz B.W; 751.5MHz, 15kHz

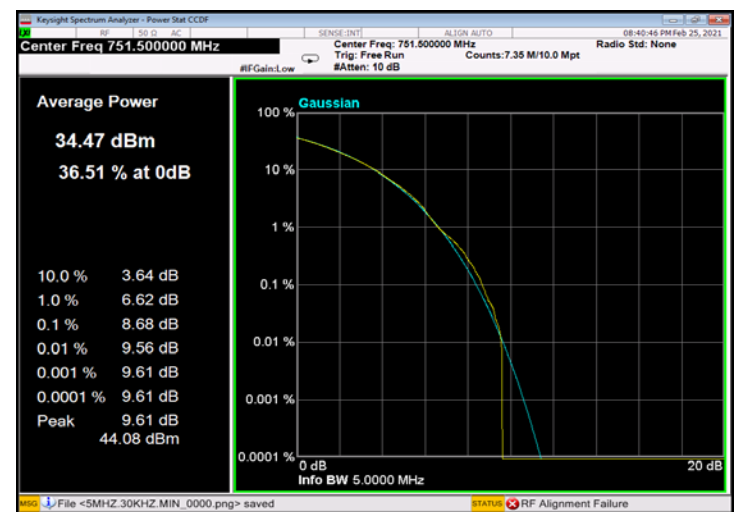


Figure 185: QPSK 5MHz B.W; 751.5MHz, 30kHz

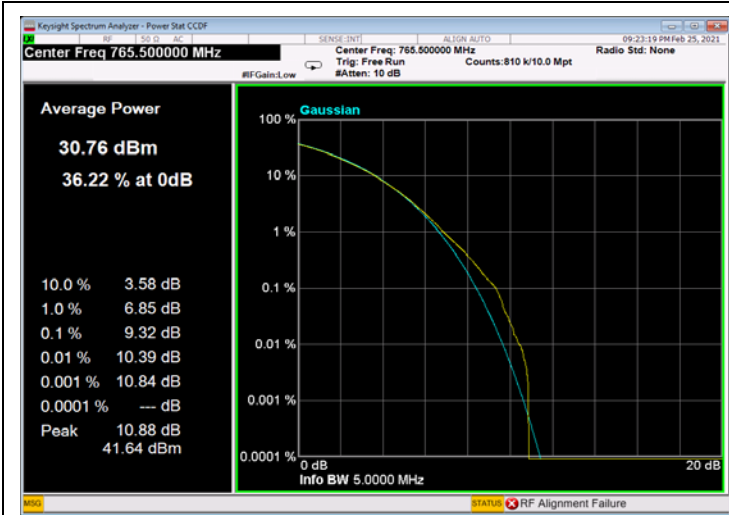


Figure 186: QPSK 5MHz B.W; 765.5MHz, 15kHz



Figure 187: QPSK 5MHz B.W; 765.5MHz, 30kHz

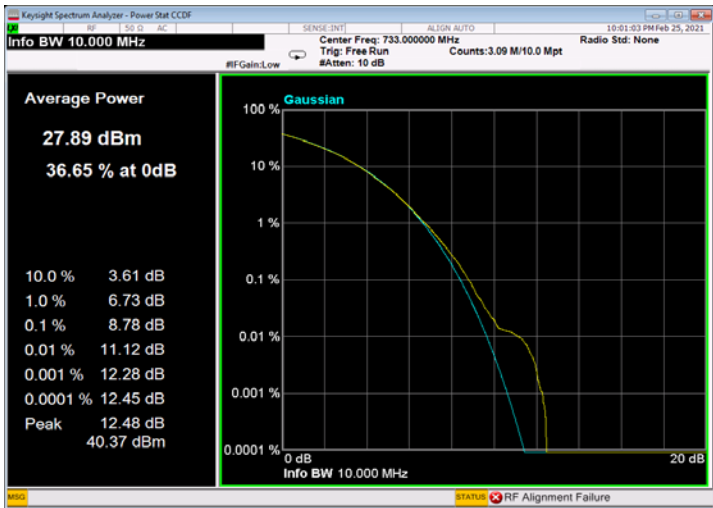


Figure 188: QPSK 10MHz B.W; 733MHz, 15kHz

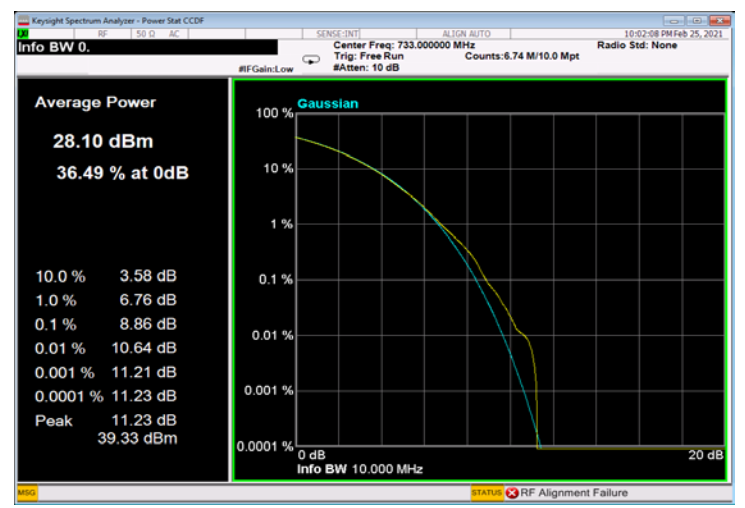


Figure 189: QPSK 10MHz B.W; 733MHz, 30kHz

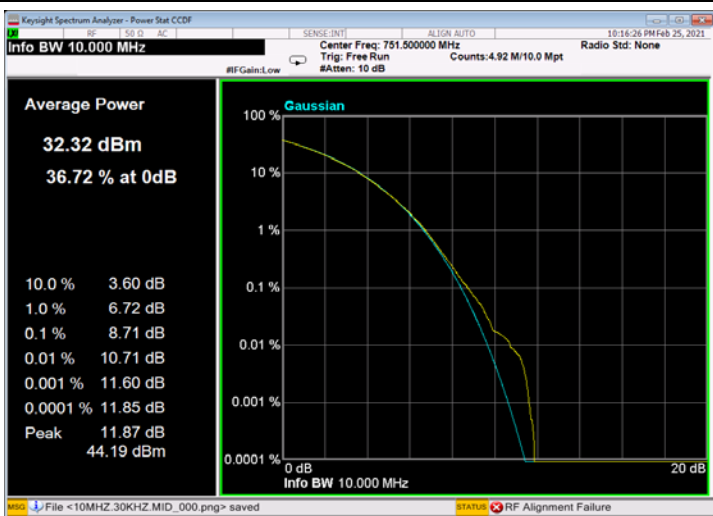


Figure 190: QPSK 10MHz B.W; 751.5MHz, 15kHz

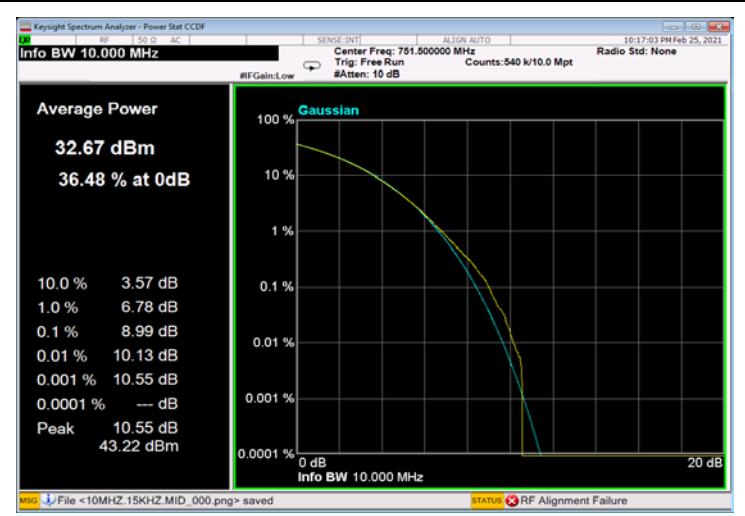


Figure 191: QPSK 10MHz B.W; 751.5MHz, 30kHz

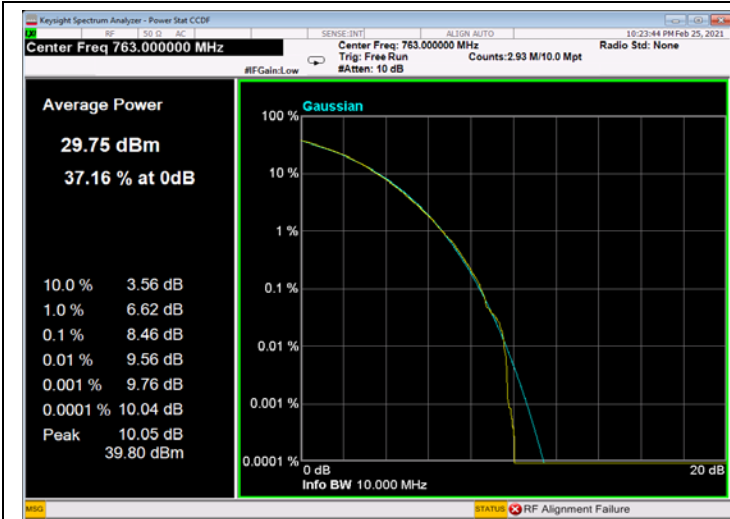


Figure 192: QPSK 10MHz B.W; 763MHz, 15kHz

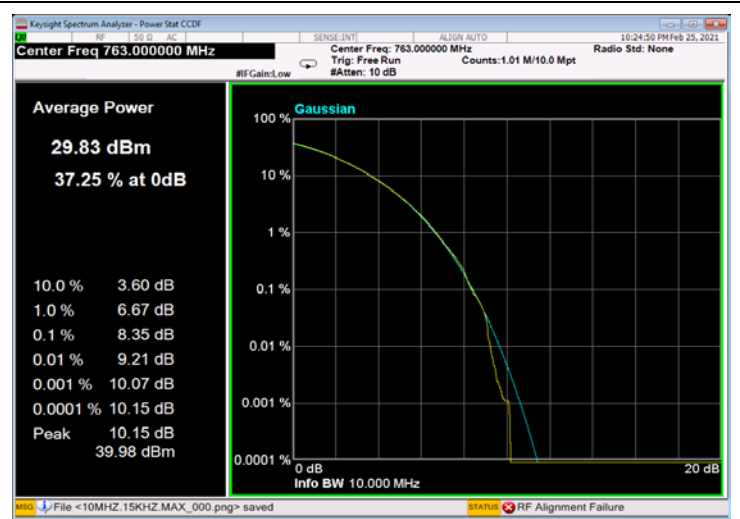


Figure 193: QPSK 10MHz B.W; 763MHz, 30kHz

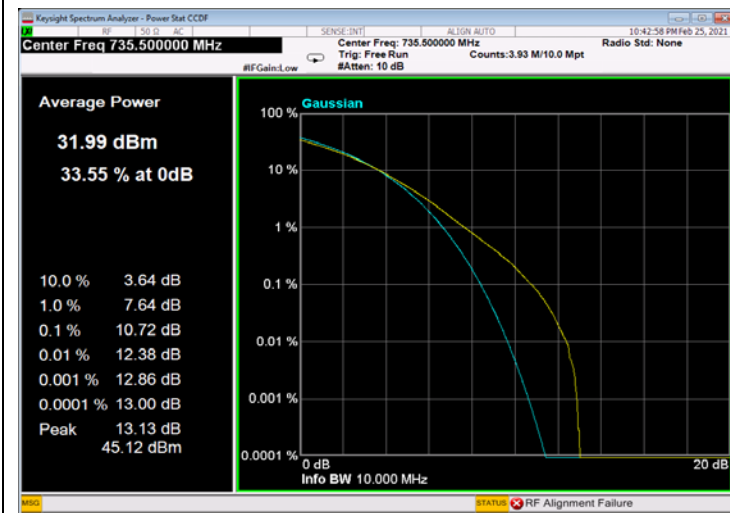


Figure 194: QPSK 15MHz B.W; 735.5MHz, 15kHz

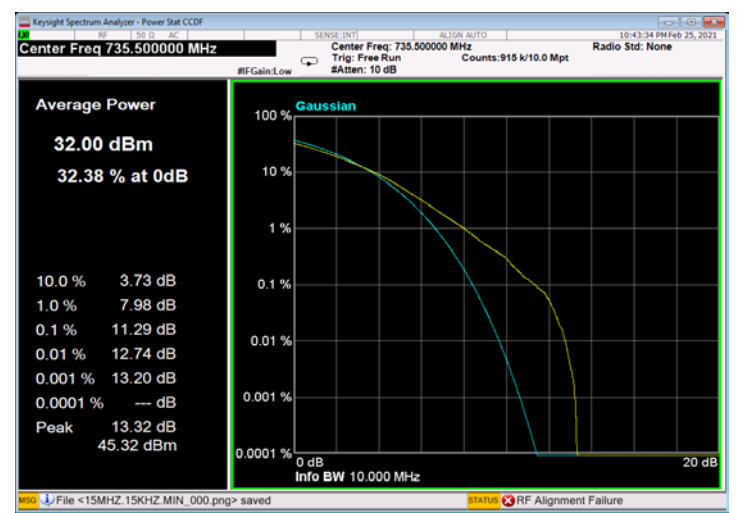


Figure 195: QPSK 15MHz B.W; 735.5MHz, 30kHz



8.5 Test Equipment Used; 0.1% PAPR

| Instrument | Manufacturer | Model | Serial Number | Calibration | |
|-----------------------------|----------------------|-------------|---------------|-----------------------|----------------------|
| | | | | Last Calibration Date | Next Calibration Due |
| EXA signal Analyzer | Keysight | UXA N9040B | MY56080119 | January 31, 2020 | January 31, 2022 |
| EXG Vector Signal Generator | Agilent Technologies | N5172B | MY53051952 | January 17, 2019 | January 17, 2022 |
| 40 dB Attenuator | Weinschel Associates | WA 39-40-33 | - | November 1, 2020 | November 1, 2021 |
| RF Coaxial Cable | Huber-Suner | SLLS210B | - | November 1, 2020 | November 1, 2021 |

Table 23 Test Equipment Used



9 Peak to Average Power Ratio - 4G

9.1 Test Specification

FCC Part 27, Subpart C, Section Part 27.50

9.2 Test Procedure

(Temperature (22°C)/ Humidity (40%RH))

The method used is detailed in FCC KDB 971168 D03 v01

Measurements was using CCDF function for each modulation.

9.3 Test Limit

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

9.4 Test Results

JUDGEMENT: Passed

For additional information see Table 24 to Table 26 and Figure 196 to Figure 216.

| | Bandwidth | Operation Frequency | 0.1% PAPR | Limit |
|-------------------------|------------------|----------------------------|------------------|--------------|
| | (MHz) | (MHz) | (dB) | (dB) |
| Modulation 16QAM | 5 | 730.5 | 8.05 | 13 |
| | | 751.5 | 8.48 | |
| | | 765.5 | 8.27 | |
| | 10 | 733 | 8.27 | |
| | | 751.5 | 8.08 | |
| | | 763 | 8.25 | |
| | 15 | 735.5 | 8.29 | |

Table 24 Test Results Peak to Average Power Ratio 16 QAM

| | Bandwidth | Operation Frequency | 0.1% PAPR | Limit |
|-------------------------|------------------|----------------------------|------------------|--------------|
| | (MHz) | (MHz) | (dB) | (dB) |
| Modulation 64QAM | 5 | 730.5 | 8.01 | 13 |
| | | 751.5 | 8.42 | |
| | | 765.5 | 8.10 | |
| | 10 | 733 | 8.10 | |
| | | 751.5 | 8.11 | |
| | | 763 | 8.26 | |
| | 15 | 735.5 | 8.26 | |

Table 25 Test Results Peak to Average Power Ratio 64QAM

| | Bandwidth | Operation Frequency | 0.1% PAPR | Limit |
|------------------------|------------------|----------------------------|------------------|--------------|
| | (MHz) | (MHz) | (dB) | (dB) |
| Modulation QPSK | 5 | 730.5 | 8.05 | 13 |
| | | 751.5 | 8.49 | |
| | | 765.5 | 8.18 | |
| | 10 | 733 | 9.12 | |
| | | 751.5 | 8.14 | |
| | | 763 | 8.31 | |
| | 15 | 735.5 | 8.27 | |

Table 26 Test Results Peak to Average Power Ratio QPSK

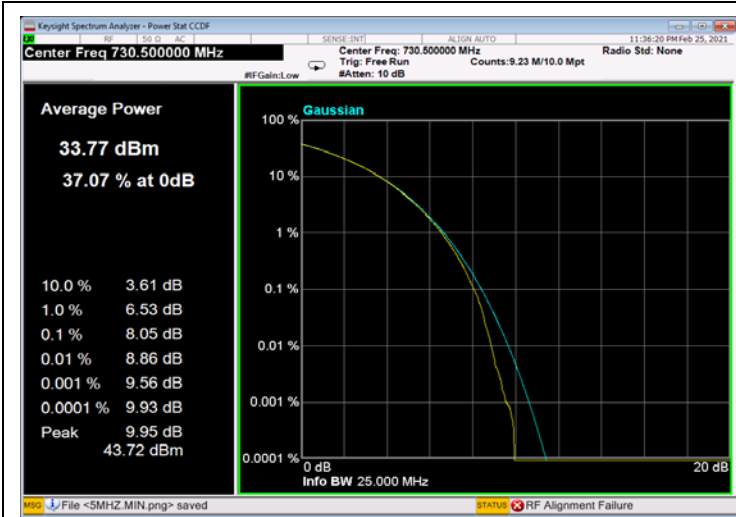


Figure 196: 16QAM 5MHz B.W; 730.5MHz – 4G

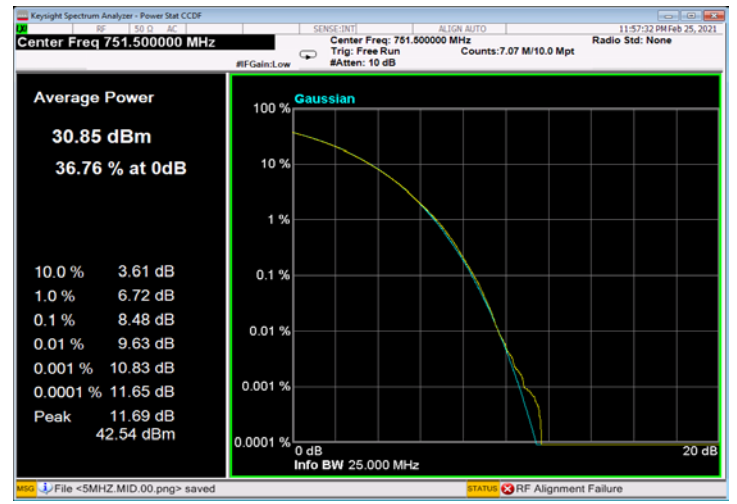


Figure 197: 16QAM 5MHz B.W; 751.5MHz – 4G

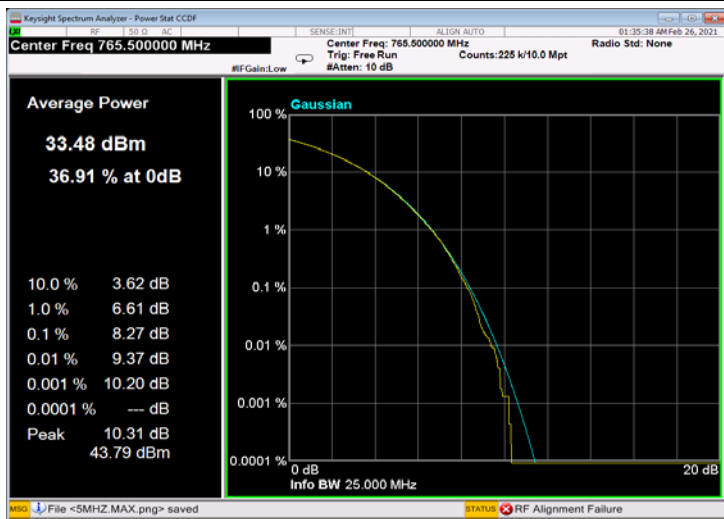


Figure 198: 16QAM 5MHz B.W; 765.5MHz – 4G

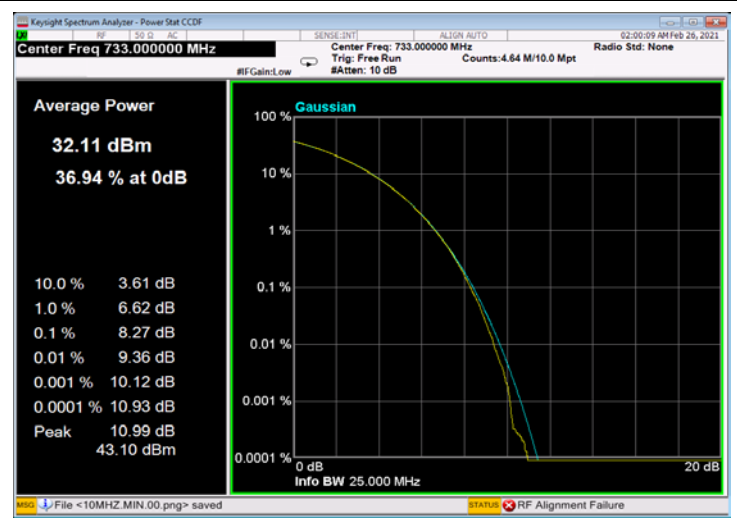


Figure 199: 16QAM 10MHz B.W; 733.0MHz – 4G

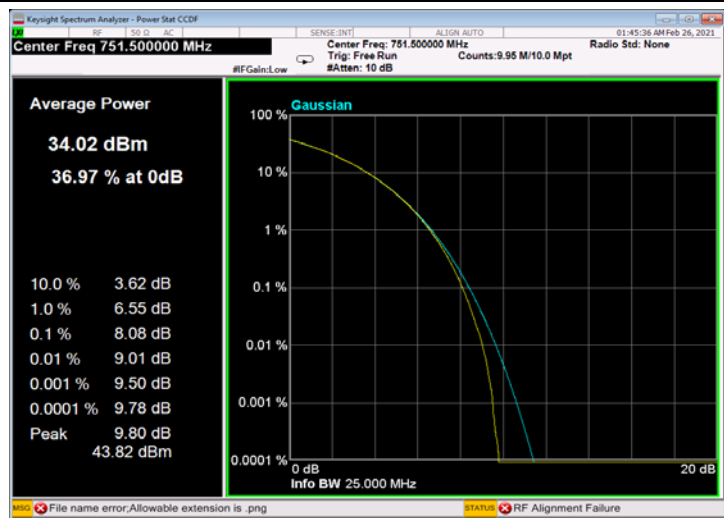


Figure 200: 16QAM 10MHz B.W; 751.5MHz – 4G

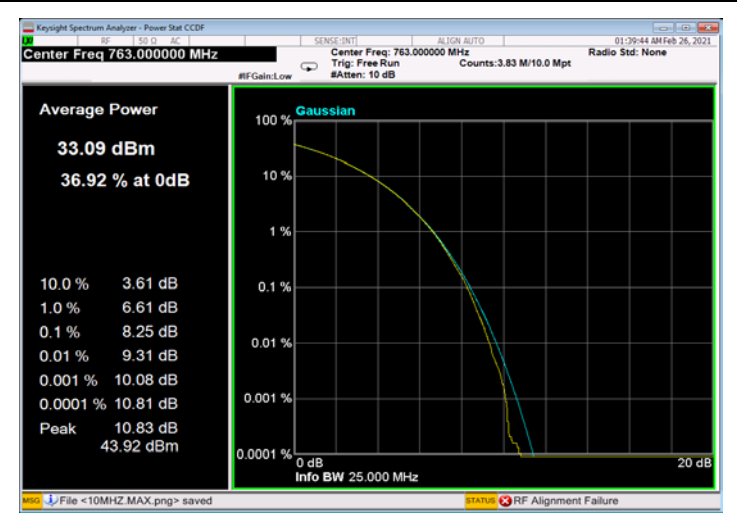


Figure 201: 16QAM 10MHz B.W; 763.0MHz – 4G

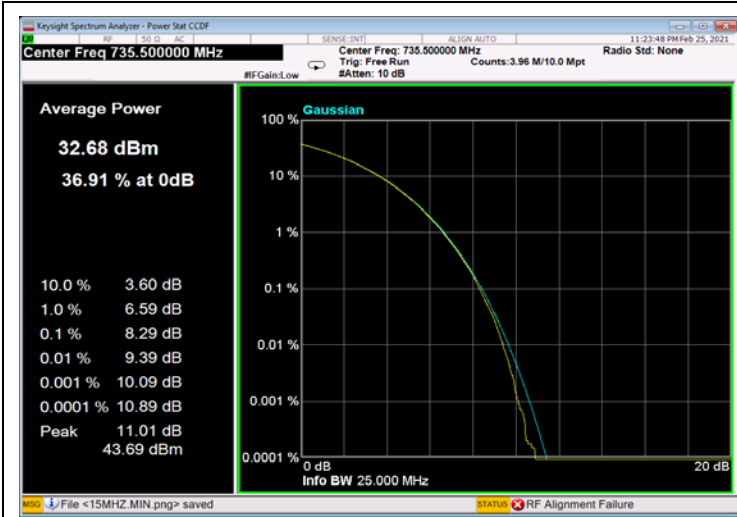


Figure 202: 16QAM 15MHz B.W; 735.5MHz – 4G

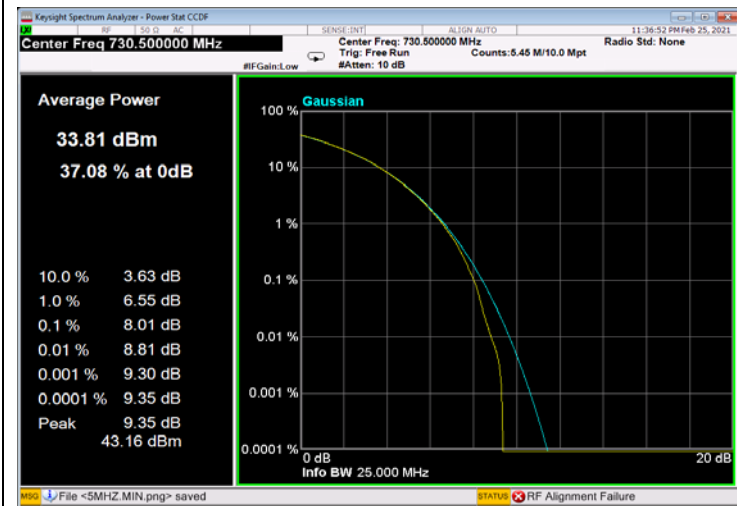


Figure 203: 64QAM 5MHz B.W; 730.5MHz – 4G

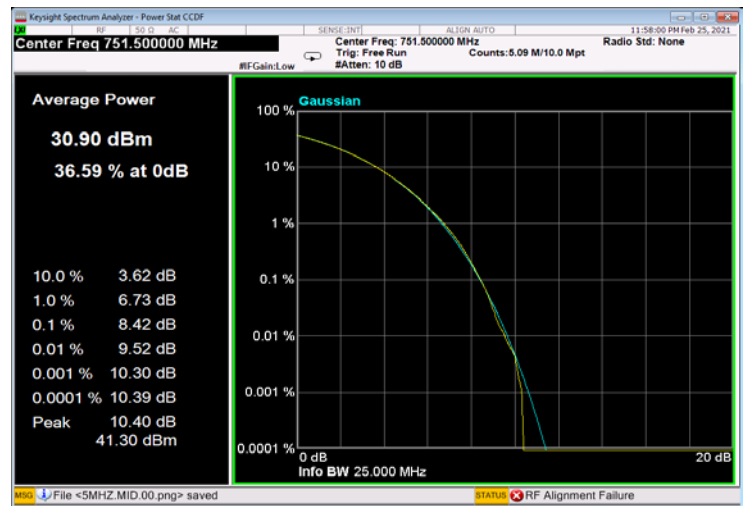


Figure 204: 64QAM 5MHz B.W; 751.5MHz – 4G

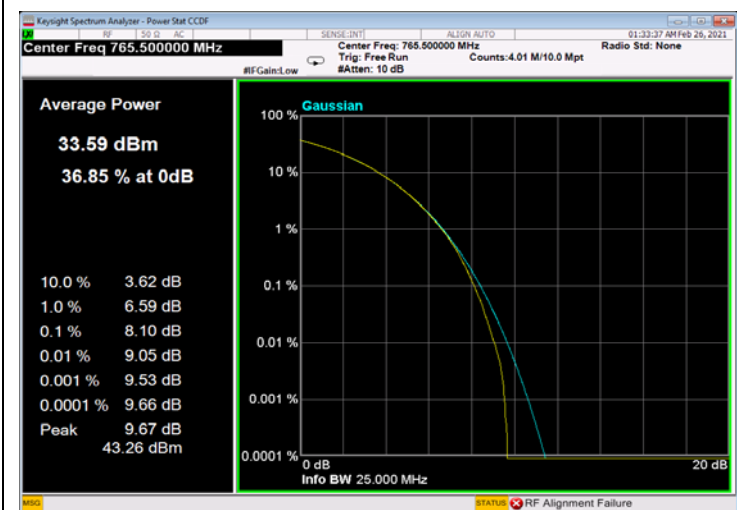


Figure 205: 64QAM 5MHz B.W; 765.5MHz – 4G

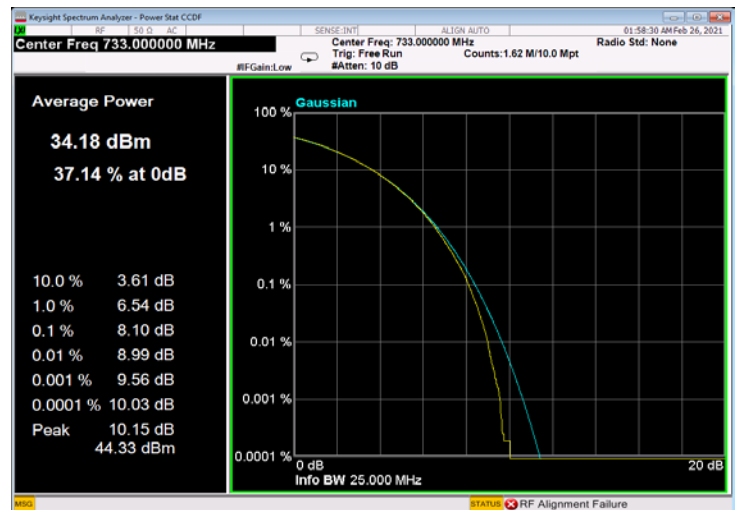


Figure 206: 64QAM 10MHz B.W; 733.0MHz – 4G

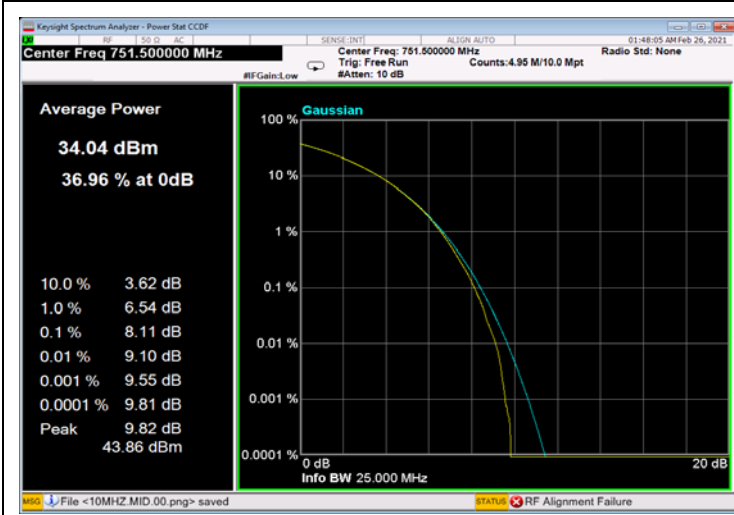


Figure 207: 64QAM 10MHz B.W; 751.5MHz – 4G

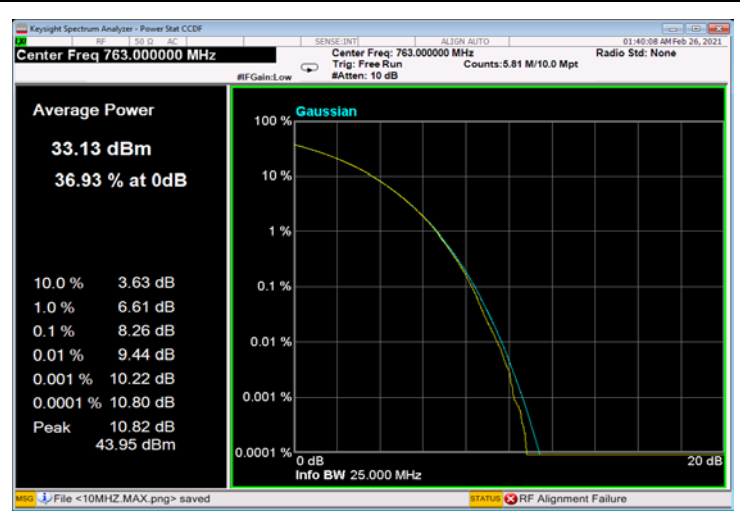


Figure 208: 64QAM 10MHz B.W; 763.0MHz – 4G

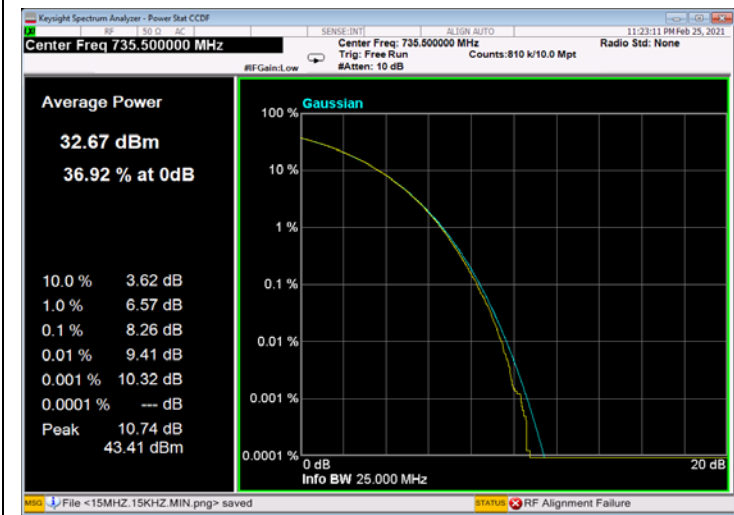


Figure 209: 64QAM 15MHz B.W; 735.5MHz – 4G

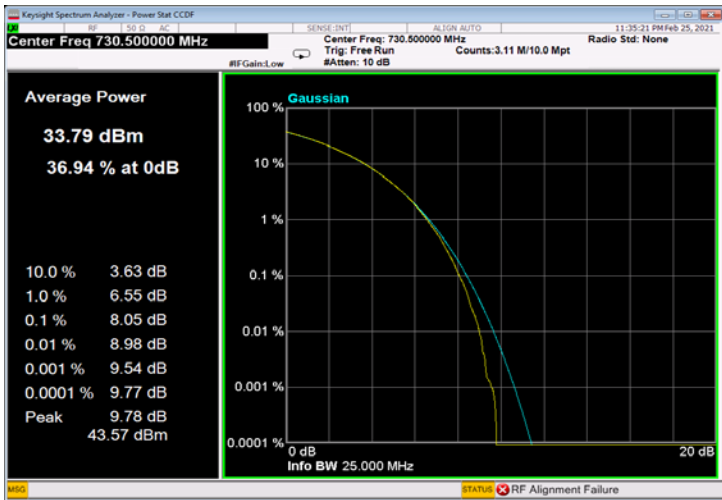


Figure 210: QPSK 5MHz B.W; 730.5MHz – 4G

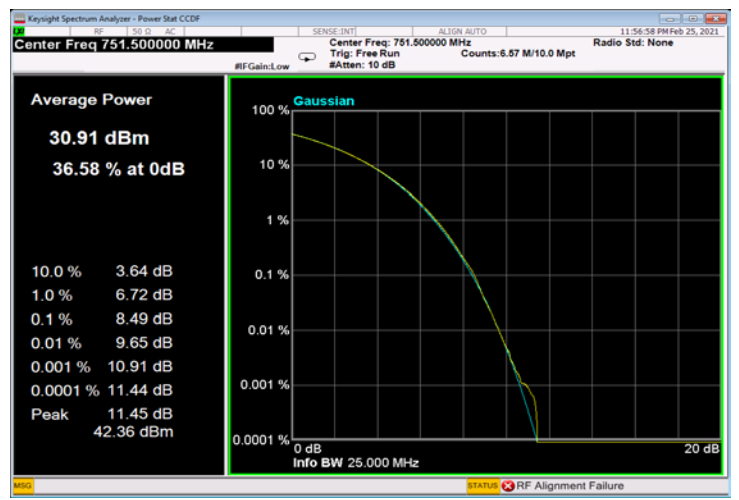


Figure 211: QPSK 5MHz B.W; 751.5MHz – 4G

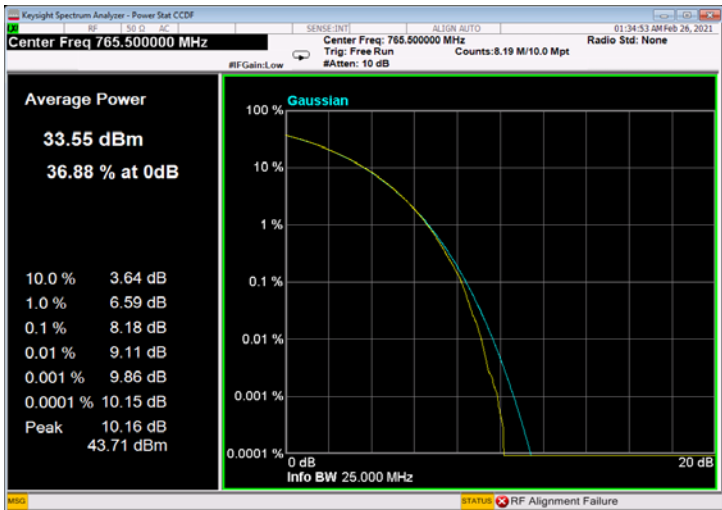


Figure 212: QPSK 5MHz B.W; 765.5MHz – 4G

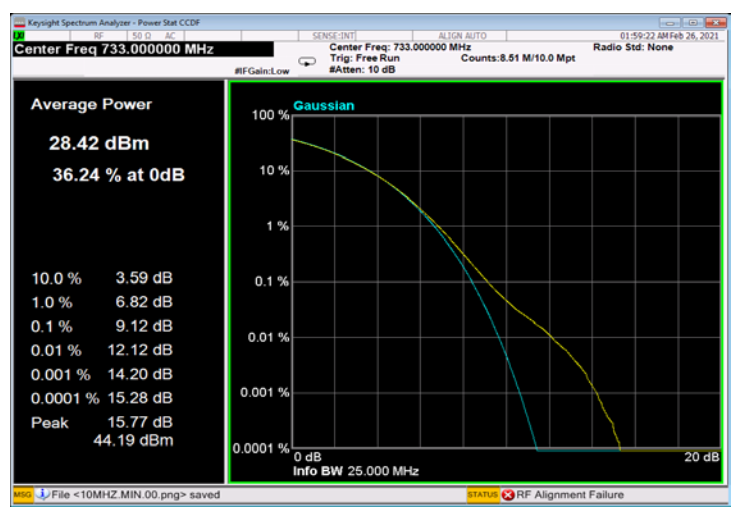


Figure 213: QPSK 10MHz B.W; 733.0MHz – 4G

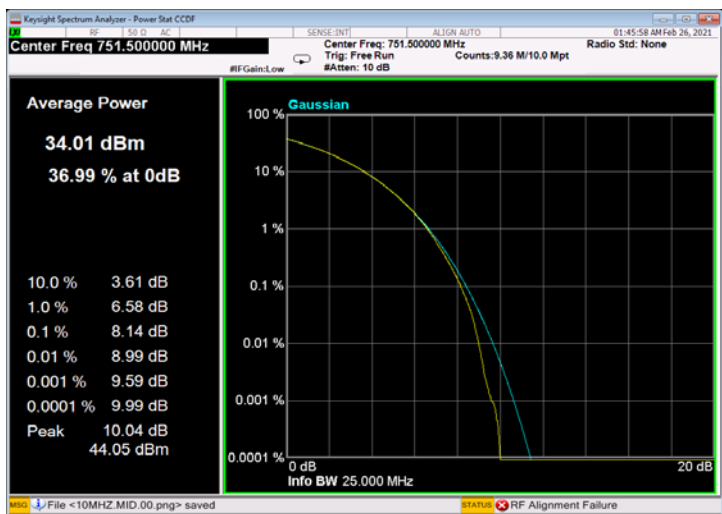


Figure 214: QPSK 10MHz; 751.5MHz – 4G

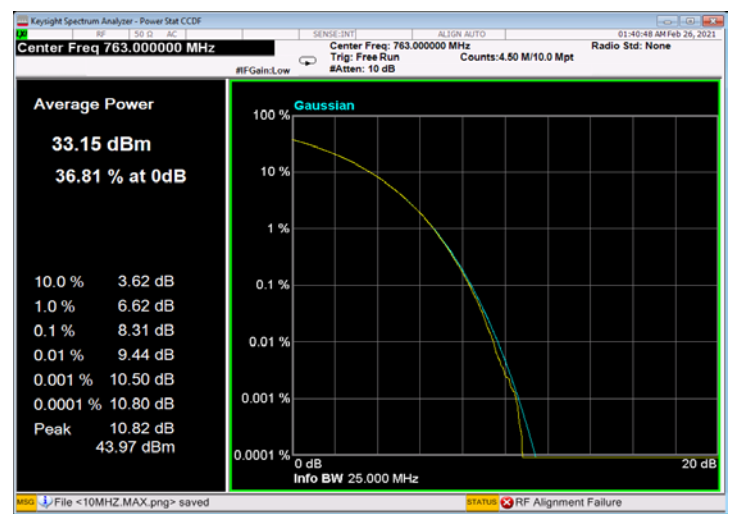


Figure 215: QPSK 10MHz; 763.0MHz – 4G

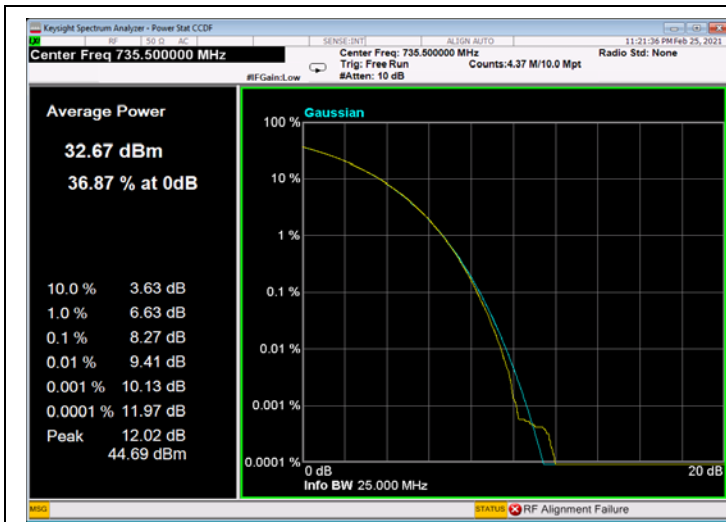


Figure 216: QPSK 15MHz B.W; 735.5MHz – 4G

9.5 Test Equipment Used; 0.1% PAPR

| Instrument | Manufacturer | Model | Serial Number | Calibration | |
|-----------------------------|----------------------|-------------|---------------|-----------------------|----------------------|
| | | | | Last Calibration Date | Next Calibration Due |
| EXA signal Analyzer | Keysight | UXA N9040B | MY56080119 | January 31, 2020 | January 31, 2022 |
| EXG Vector Signal Generator | Agilent Technologies | N5172B | MY53051952 | January 17, 2019 | January 17, 2022 |
| 40 dB Attenuator | Weinschel Associates | WA 39-40-33 | - | November 1, 2020 | November 1, 2021 |
| RF Coaxial Cable | Huber-Suner | SLLS210B | - | November 1, 2020 | November 1, 2021 |

Table 27 Test Equipment Used



10 Occupied Bandwidth – 5G

10.1 Test Specification

FCC Part 2, Section 1049

10.2 Test Procedure

(Temperature (20°C)/ Humidity (47%RH))

The E.U.T. antenna terminal was connected to the spectrum analyzer through an external attenuator and an appropriate coaxial cable (loss=40.7 dB). The spectrum analyzer was set to proper RBW

OBW function (99%) was employed for this evaluation.

Occupied bandwidth measured was repeated in the input terminal of the E.U.T.

10.3 Test Limit

N/A

10.4 Test Results

JUDGEMENT: Passed

See additional information in Table 28 to Table 35 and Figure 217 to Figure 328.



| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 16QAM | 5 | 15 | 730.5 | 4.5286 |
| | | 30 | | 4.0543 |
| | | 15 | 751.5 | 4.5257 |
| | | 30 | | 4.0633 |
| | | 15 | 765.5 | 4.5243 |
| | | 30 | | 4.0619 |
| | 10 | 15 | 733.0 | 9.2482 |
| | | 30 | | 8.6003 |
| | | 15 | 751.5 | 9.2545 |
| | | 30 | | 8.5816 |
| | | 15 | 763.0 | 9.2448 |
| | | 30 | | 8.5966 |
| | 15 | 15 | 735.5 | 14.180 |
| | | 30 | | 13.546 |

Table 28 Occupied Bandwidth 16 QAM Input - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 16QAM | 5 | 15 | 730.5 | 4.5273 |
| | | 30 | | 4.0527 |
| | | 15 | 751.5 | 4.5241 |
| | | 30 | | 4.0592 |
| | | 15 | 765.5 | 4.5177 |
| | | 30 | | 4.0588 |
| | 10 | 15 | 733.0 | 9.2341 |
| | | 30 | | 8.5970 |
| | | 15 | 751.5 | 9.2350 |
| | | 30 | | 8.5872 |
| | | 15 | 763.0 | 9.2204 |
| | | 30 | | 8.5751 |
| | 15 | 15 | 735.5 | 14.164 |
| | | 30 | | 13.530 |

Table 29 Occupied Bandwidth 16QAM Output - 5G



| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 64QAM | 5 | 15 | 730.5 | 4.4932 |
| | | 30 | | 3.9986 |
| | | 15 | 751.5 | 4.4940 |
| | | 30 | | 3.9986 |
| | | 15 | 765.5 | 4.4924 |
| | | 30 | | 4.0012 |
| | 10 | 15 | 733.0 | 9.3343 |
| | | 30 | | 8.6430 |
| | | 15 | 751.5 | 9.3350 |
| | | 30 | | 8.6440 |
| | | 15 | 763.0 | 9.3356 |
| | | 30 | | 8.6393 |
| | 15 | 15 | 735.5 | 14.138 |
| | | 30 | | 13.662 |

Table 30 Occupied Bandwidth 64QAM Input - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 64QAM | 5 | 15 | 730.5 | 4.4859 |
| | | 30 | | 3.9932 |
| | | 15 | 751.5 | 4.4901 |
| | | 30 | | 3.9963 |
| | | 15 | 765.5 | 4.4874 |
| | | 30 | | 3.9966 |
| | 10 | 15 | 733.0 | 9.3194 |
| | | 30 | | 8.6217 |
| | | 15 | 751.5 | 9.3247 |
| | | 30 | | 8.6309 |
| | | 15 | 763.0 | 9.3195 |
| | | 30 | | 8.6255 |
| | 15 | 15 | 735.5 | 14.108 |
| | | 30 | | 13.617 |

Table 31 Occupied Bandwidth 64QAM Output - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 256QAM | 5 | 15 | 730.5 | 4.4923 |
| | | 30 | | 4.0229 |
| | | 15 | 751.5 | 4.4869 |
| | | 30 | | 4.0219 |
| | | 15 | 765.5 | 4.4912 |
| | | 30 | | 4.0218 |
| | 10 | 15 | 733.0 | 9.3227 |
| | | 30 | | 8.6241 |
| | | 15 | 751.5 | 9.3234 |
| | | 30 | | 8.6501 |
| | | 15 | 763.0 | 9.3232 |
| | | 30 | | 8.6493 |
| | 15 | 15 | 735.5 | 14.148 |
| | | 30 | | 13.598 |

Table 32 Occupied Bandwidth 256QAM Input - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| 256QAM | 5 | 15 | 730.5 | 4.4838 |
| | | 30 | | 4.0136 |
| | | 15 | 751.5 | 4.4873 |
| | | 30 | | 4.0229 |
| | | 15 | 765.5 | 4.4830 |
| | | 30 | | 4.0244 |
| | 10 | 15 | 733 | 9.2977 |
| | | 30 | | 8.6218 |
| | | 15 | 751.5 | 9.3115 |
| | | 30 | | 8.6232 |
| | | 15 | 763 | 9.2917 |
| | | 30 | | 8.6244 |
| | 15 | 15 | 735.5 | 14.124 |
| | | 30 | | 13.570 |

Table 33 Occupied Bandwidth 256QAM Output - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| QPSK | 5 | 15 | 730.5 | 4.5229 |
| | | 30 | | 4.1093 |
| | | 15 | 751.5 | 4.5227 |
| | | 30 | | 4.1115 |
| | | 15 | 765.5 | 4.5220 |
| | | 30 | | 4.1204 |
| | 10 | 15 | 733 | 9.1709 |
| | | 30 | | 8.5246 |
| | | 15 | 751.5 | 9.1673 |
| | | 30 | | 8.5281 |
| | | 15 | 763 | 9.1655 |
| | | 30 | | 8.5307 |
| | 15 | 15 | 735.5 | 14.187 |
| | | 30 | | 13.394 |

Table 34 Occupied Bandwidth QPSK Input - 5G

| Modulation | Bandwidth | Sub Carrier | Operation Frequency | Reading |
|------------|-----------|-------------|---------------------|---------|
| | (MHz) | (kHz) | (MHz) | (MHz) |
| QPSK | 5 | 15 | 730.5 | 4.5161 |
| | | 30 | | 4.1081 |
| | | 15 | 751.5 | 4.5265 |
| | | 30 | | 4.0623 |
| | | 15 | 765.5 | 4.5137 |
| | | 30 | | 4.1150 |
| | 10 | 15 | 733 | 9.1598 |
| | | 30 | | 8.5118 |
| | | 15 | 751.5 | 9.1518 |
| | | 30 | | 8.5169 |
| | | 15 | 763 | 9.1110 |
| | | 30 | | 8.4918 |
| | 15 | 15 | 735.5 | 14.160 |
| | | 30 | | 13.363 |

Table 35 Occupied Bandwidth QPSK Output - 5G



Figure 217: 16QAM 5MHz B.W; 730.5MHz, 15kHz INPUT



Figure 218: 16QAM 5MHz B.W; 730.5MHz, 30kHz INPUT



Figure 219: 16QAM 5MHz B.W; 751.5MHz, 15kHz INPUT



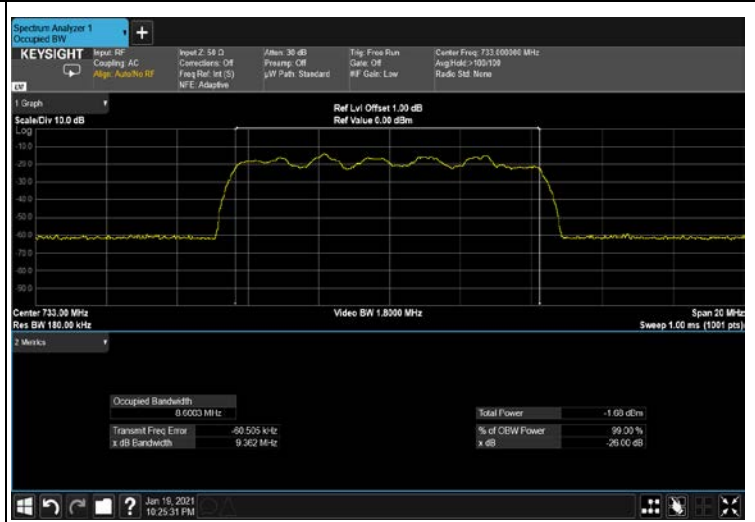
Figure 220: 16QAM 5MHz B.W; 751.5MHz, 30kHz INPUT



Figure 221: 16QAM 5MHz B.W; 765.5MHz, 15kHz INPUT



Figure 222: 16QAM 5MHz B.W; 765.5MHz, 30kHz INPUT



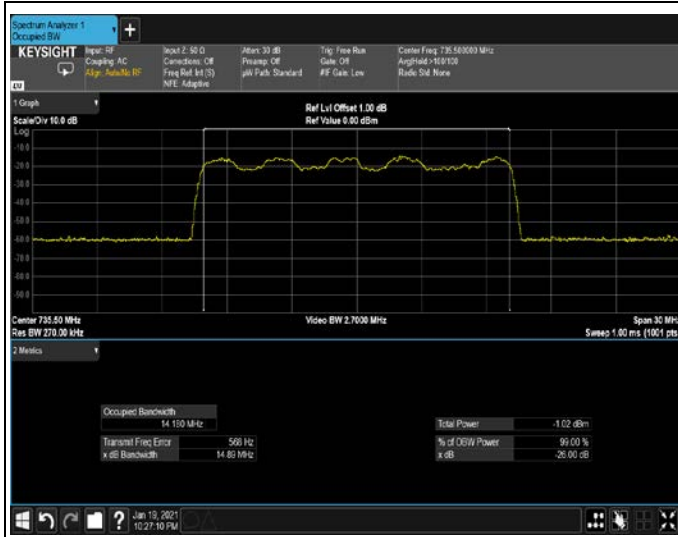


Figure 229: 16QAM 15MHz B.W; 735.5MHz, 15kHz INPUT

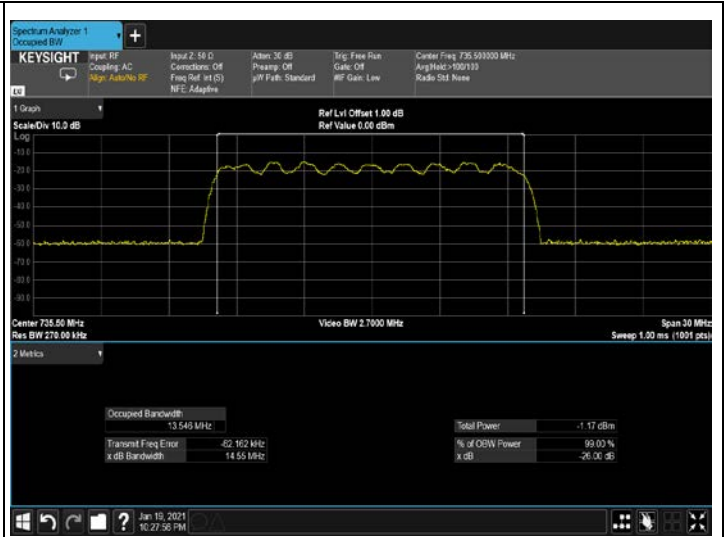


Figure 230: 16QAM 15MHz B.W; 735.5MHz, 30kHz INPUT

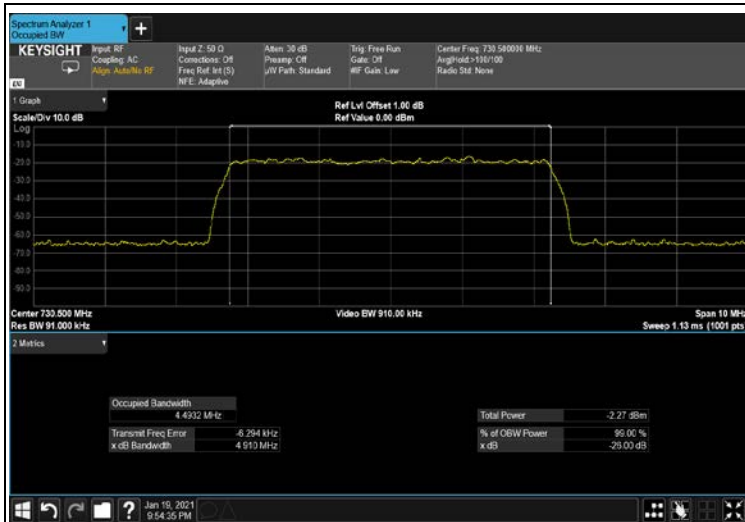


Figure 231: 64QAM 5MHz B.W; 730.5MHz, 15kHz INPUT



Figure 232: 64QAM 5MHz B.W; 730.5MHz, 30kHz INPUT



Figure 233: 64QAM 5MHz B.W; 751.5MHz, 15kHz INPUT



Figure 234: 64QAM 5MHz B.W; 751.5MHz, 30kHz INPUT



Figure 235: 64QAM 5MHz B.W; 765.0MHz, 15kHz INPUT



Figure 236: 64QAM 5MHz B.W; 765.5MHz, 30kHz INPUT

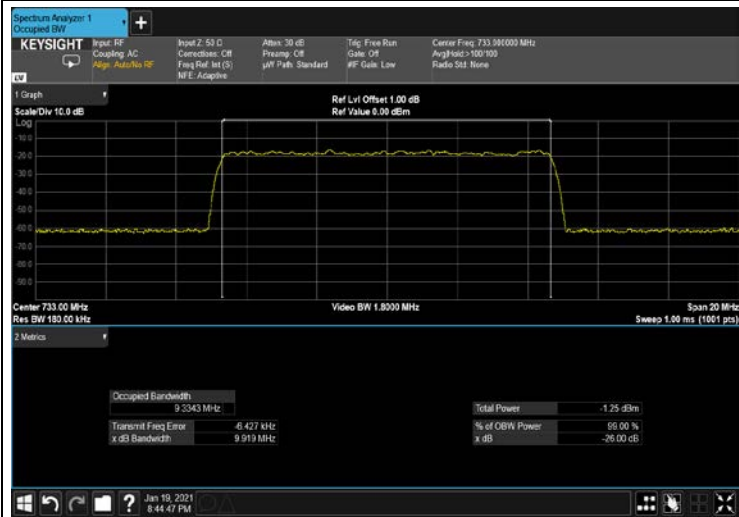


Figure 237: 64QAM 10MHz B.W; 733MHz, 15kHz INPUT

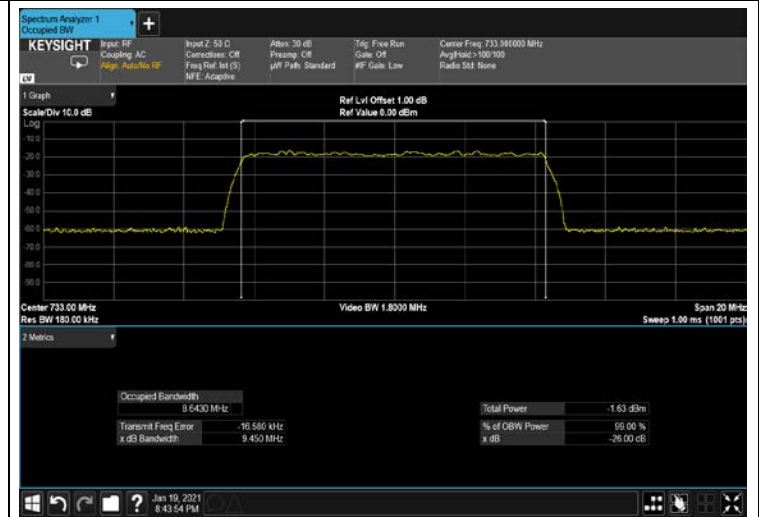


Figure 238: 64QAM 10MHz B.W; 733.0MHz, 30kHz INPUT

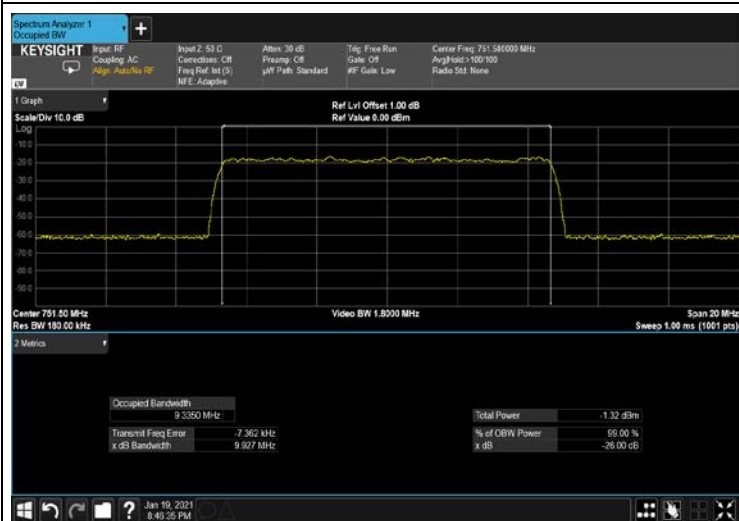


Figure 239: 64QAM 10MHz B.W; 751.5MHz, 15kHz INPUT



Figure 240: 64QAM 10MHz B.W; 751.5MHz, 30kHz INPUT



Figure 241: 64QAM 10MHz B.W; 763.0MHz, 15kHz INPUT



Figure 242: 64QAM 10MHz B.W; 763MHz, 30kHz INPUT



Figure 243: 64QAM 15MHz B.W; 735.5MHz, 15kHz INPUT



Figure 244: 64QAM 15MHz B.W; 735.5MHz, 30kHz INPUT