# Appendix B

## E-UTRA Band 17

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# CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER ..... 3

1.1. TEST RESULT ..... 3

2. PEAK-TO-AVERAGE RATIO (CCDF) ..... 8

2.1. TEST RESULT ..... 8

2.2. TEST PLOTS ..... 8

3. MODULATION CHARACTERISTICS ..... 13

3.1. TEST MODE = LTE /TM1 10MHZ ..... 13

3.1.1. TEST CHANNEL = MCH ..... 13

3.2. TEST MODE = LTE /TM2 10MHZ ..... 14

3.2.1. TEST CHANNEL = MCH ..... 14

3.3. TEST MODE = LTE /TM3 10MHZ ..... 15

3.3.1. TEST CHANNEL = MCH ..... 15

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH ..... 16

4.1. TEST RESULT ..... 16

4.2. TEST PLOTS ..... 17

5. BAND EDGE COMPLIANCE ..... 26

5.1. TEST RESULT ..... 26

5.2. TEST PLOTS ..... 27

6. SPURIOUS EMISSION AT ANTENNA TERMINAL ..... 39

6.1. TEST PLOTS ..... 39

7. FIELD STRENGTH OF SPURIOUS RADIATION ..... 49

7.1. TEST MODE =LTE/TM1 10MHZ ..... 49

7.1.1. TEST CHANNEL = LCH ..... 49

7.1.2. TEST CHANNEL = MCH ..... 49

7.1.3. TEST CHANNEL = HCH ..... 50

8. FREQUENCY STABILITY ..... 51

8.1. FREQUENCY VS VOLTAGE ..... 51

8.2. FREQUENCY VS TEMPERATURE ..... 52

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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | ERP (dBm) | limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 24.31 | 17.66 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#13 | 24.45 | 17.80 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 24.20 | 17.55 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 23.17 | 16.52 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 23.42 | 16.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 23.54 | 16.89 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 23.35 | 16.70 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 24.11 | 17.46 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#13 | 24.28 | 17.63 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 23.97 | 17.32 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 23.01 | 16.36 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 23.07 | 16.42 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 23.12 | 16.47 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 23.16 | 16.51 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 24.26 | 17.61 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#13 | 24.44 | 17.79 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 24.26 | 17.61 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 23.27 | 16.62 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 23.18 | 16.53 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 23.10 | 16.45 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 23.09 | 16.44 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | 22.35 | 15.70 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#13 | 22.24 | 15.59 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#24 | 22.37 | 15.72 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#0 | 21.28 | 14.63 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#6 | 21.46 | 14.81 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#13 | 21.39 | 14.74 | 34.77 | PASS |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 21.29 | 14.64 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#0 | 22.24 | 15.59 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#13 | 22.37 | 15.72 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#24 | 22.26 | 15.61 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#0 | 21.32 | 14.67 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#6 | 21.35 | 14.70 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#13 | 21.48 | 14.83 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 21.42 | 14.77 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#0 | 22.38 | 15.73 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#13 | 22.30 | 15.65 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | 22.31 | 15.66 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#0 | 21.30 | 14.65 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#6 | 21.33 | 14.68 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#13 | 21.43 | 14.78 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 21.27 | 14.62 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 23.78 | 17.13 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#13 | 23.95 | 17.30 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 23.62 | 16.97 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 22.40 | 15.75 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 22.37 | 15.72 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 22.58 | 15.93 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 22.38 | 15.73 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 23.29 | 16.64 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#13 | 23.59 | 16.94 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 23.35 | 16.70 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 22.15 | 15.50 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 22.15 | 15.50 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 22.19 | 15.54 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 22.23 | 15.58 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 22.85 | 16.20 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#13 | 23.55 | 16.90 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 23.76 | 17.11 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 22.21 | 15.56 | 34.77 | PASS |

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|---|---|---|---|---|---|---|---|---|
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 22.19 | 15.54 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 22.21 | 15.56 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 22.18 | 15.53 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 24.71 | 18.06 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#25 | 24.05 | 17.40 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 24.38 | 17.73 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 23.37 | 16.72 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#13 | 23.20 | 16.55 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 23.11 | 16.46 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 23.27 | 16.62 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 24.51 | 17.86 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#25 | 24.29 | 17.64 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 24.37 | 17.72 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 23.35 | 16.70 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#13 | 23.24 | 16.59 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 23.16 | 16.51 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 23.23 | 16.58 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 24.30 | 17.65 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#25 | 24.31 | 17.66 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 24.33 | 17.68 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 23.25 | 16.60 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#13 | 23.16 | 16.51 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 23.15 | 16.50 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 23.09 | 16.44 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | 22.25 | 15.60 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#25 | 22.33 | 15.68 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#49 | 22.32 | 15.67 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#0 | 21.32 | 14.67 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#13 | 21.42 | 14.77 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#25 | 21.34 | 14.69 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 21.37 | 14.72 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#0 | 22.31 | 15.66 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#25 | 22.35 | 15.70 | 34.77 | PASS |

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|---|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | 64QAM | 23790 | 1RB#49 | 22.27 | 15.62 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#0 | 21.39 | 14.74 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#13 | 21.39 | 14.74 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#25 | 21.24 | 14.59 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 21.30 | 14.65 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#0 | 22.26 | 15.61 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#25 | 22.27 | 15.62 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | 22.34 | 15.69 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#0 | 21.35 | 14.70 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#13 | 21.35 | 14.70 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#25 | 21.33 | 14.68 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 21.33 | 14.68 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 23.54 | 16.89 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#25 | 23.48 | 16.83 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 23.29 | 16.64 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 22.23 | 15.58 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#13 | 22.12 | 15.47 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 22.14 | 15.49 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 22.27 | 15.62 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 23.64 | 16.99 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#25 | 23.53 | 16.88 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 23.62 | 16.97 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 22.34 | 15.69 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#13 | 22.17 | 15.52 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.92 | 15.27 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 22.39 | 15.74 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 24.16 | 17.51 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#25 | 23.05 | 16.40 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 23.61 | 16.96 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 22.52 | 15.87 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#13 | 22.15 | 15.50 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 22.03 | 15.38 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 22.24 | 15.59 | 34.77 | PASS |

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Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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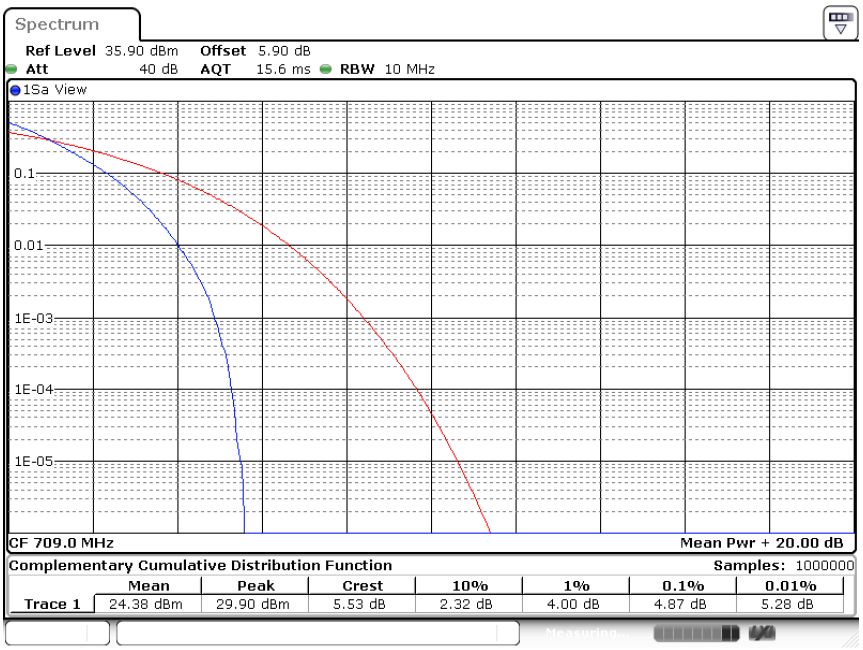
# 2. Peak-to-Average Ratio (CCDF)

## 2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 4.87 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 4.96 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 4.96 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 6.14 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 6.17 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 6.09 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 5.68 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 5.71 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 5.74 | 13 | PASS |

## 2.2. Test Plots

Band17-10MHz-QPSK-23780-50RB#0




Date: 13.AUG.2020 09:26:55

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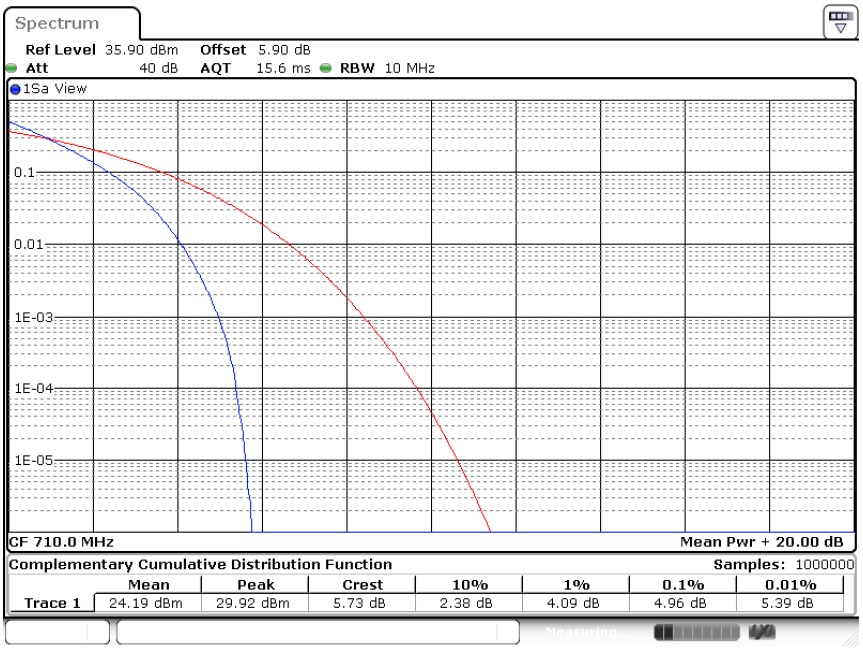
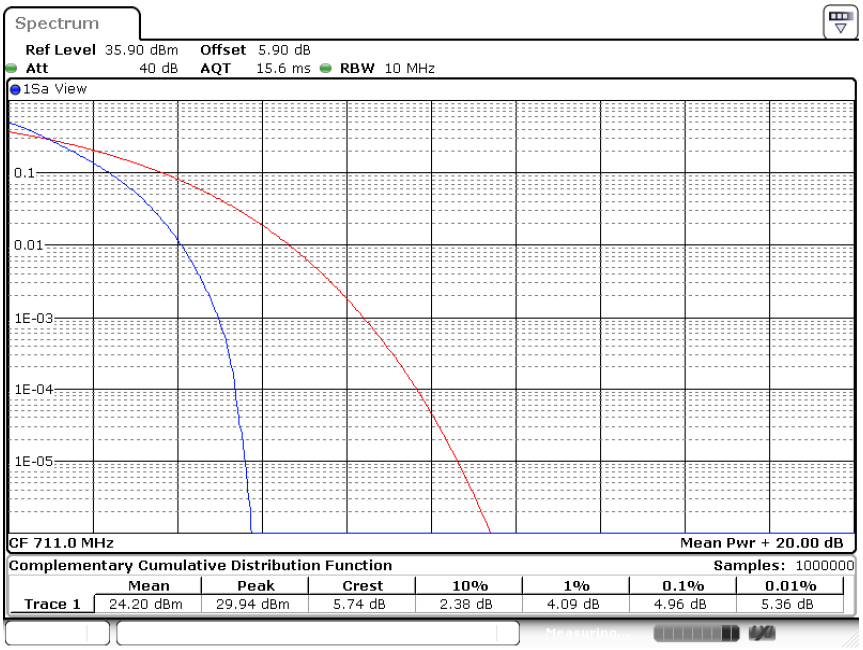
## Band17-10MHz-QPSK-23790-50RB#0




Date: 13.AUG.2020 09:27:12

## Band17-10MHz-QPSK-23800-50RB#0




Date: 13.AUG.2020 09:27:28

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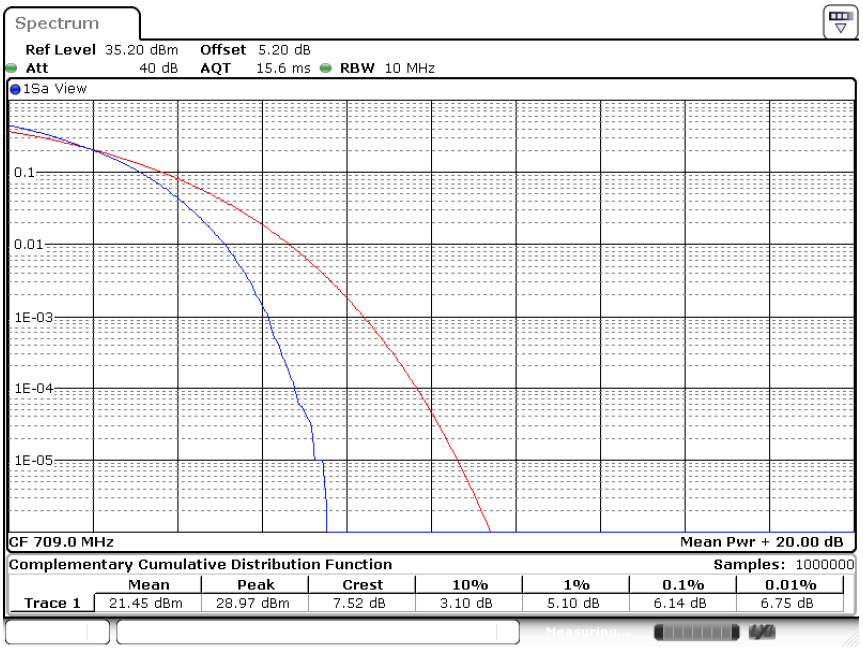
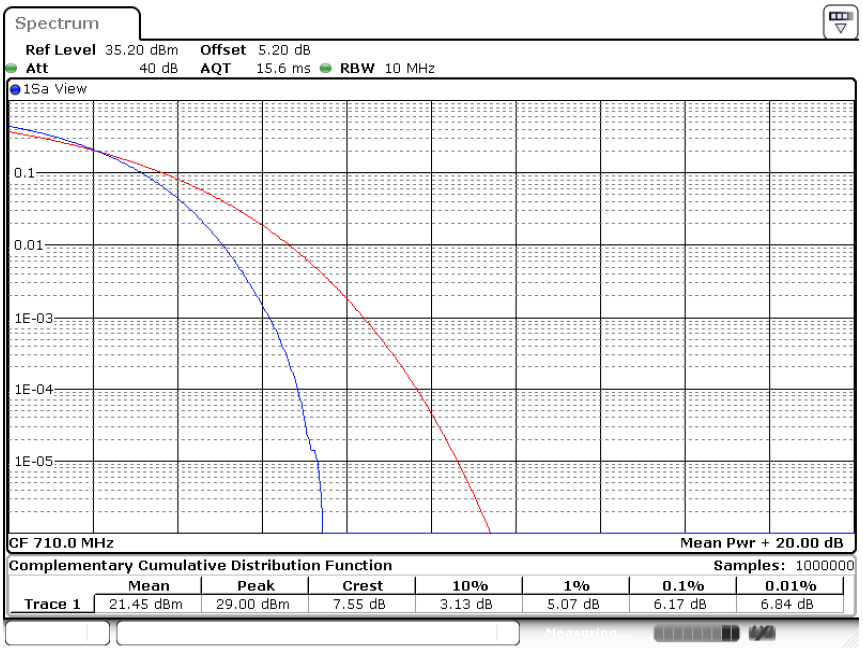
Band17-10MHz-64QAM-23780-50RB#0




Date: 19.AUG.2020 09:07:25

Band17-10MHz-64QAM-23790-50RB#0




Date: 19.AUG.2020 09:07:36

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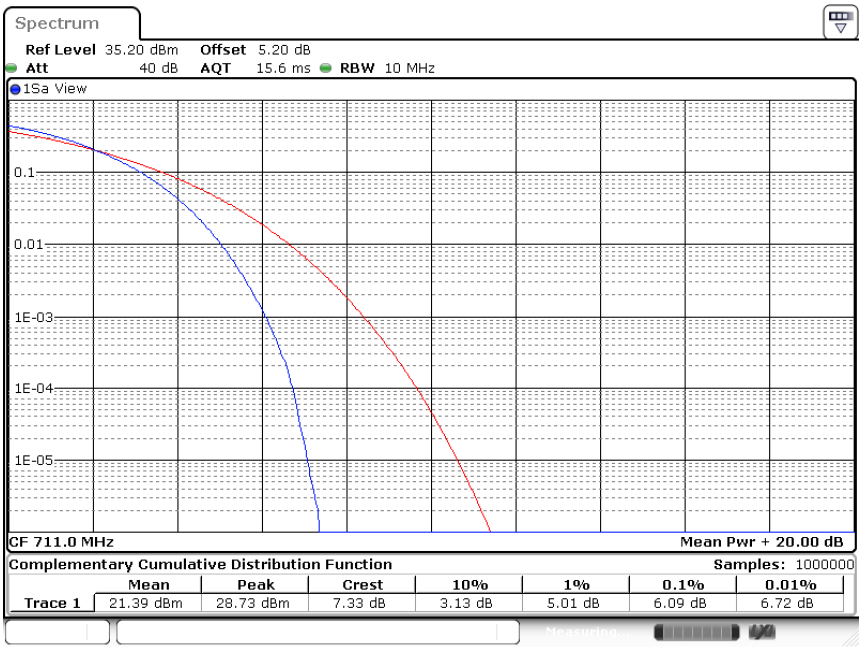
## Band17-10MHz-64QAM-23800-50RB#0




Date: 19.AUG.2020 09:07:48

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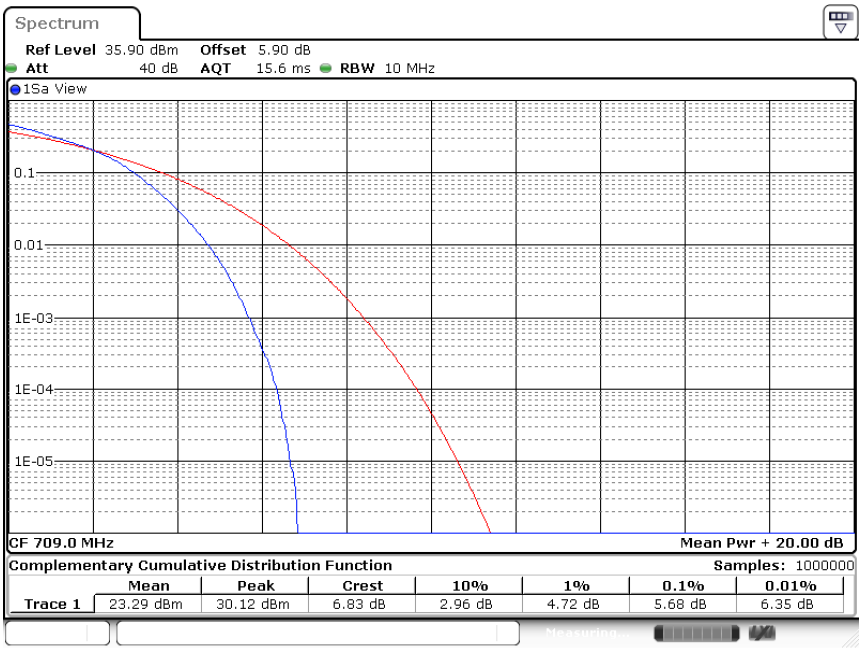


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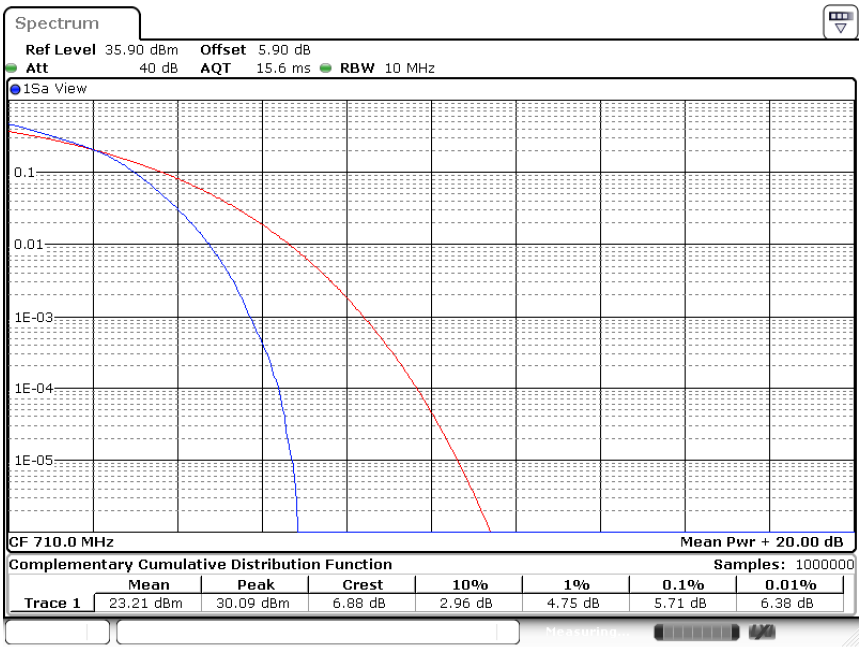
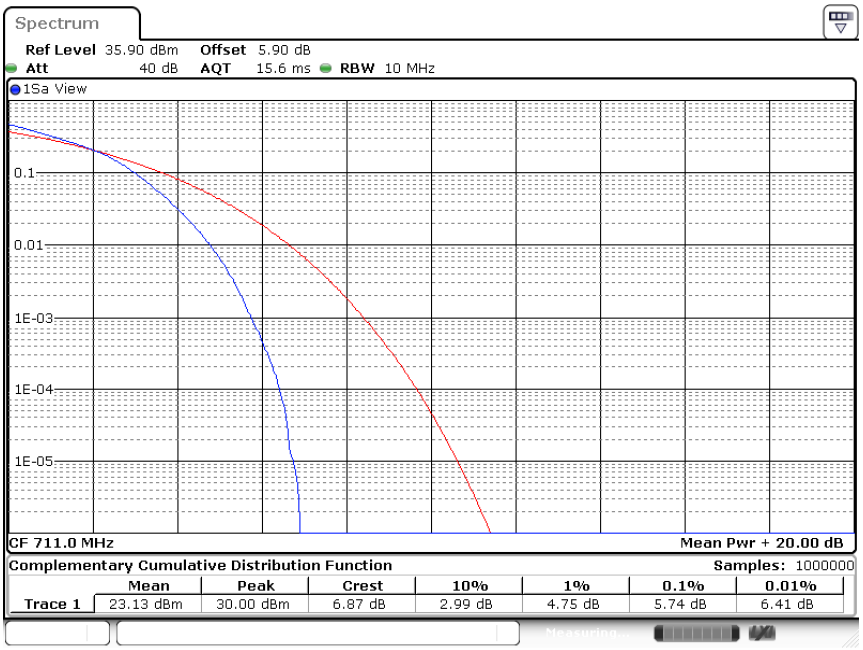
## Band17-10MHz-16QAM-23790-50RB#0




Date: 13.AUG.2020 09:27:20

## Band17-10MHz-16QAM-23800-50RB#0

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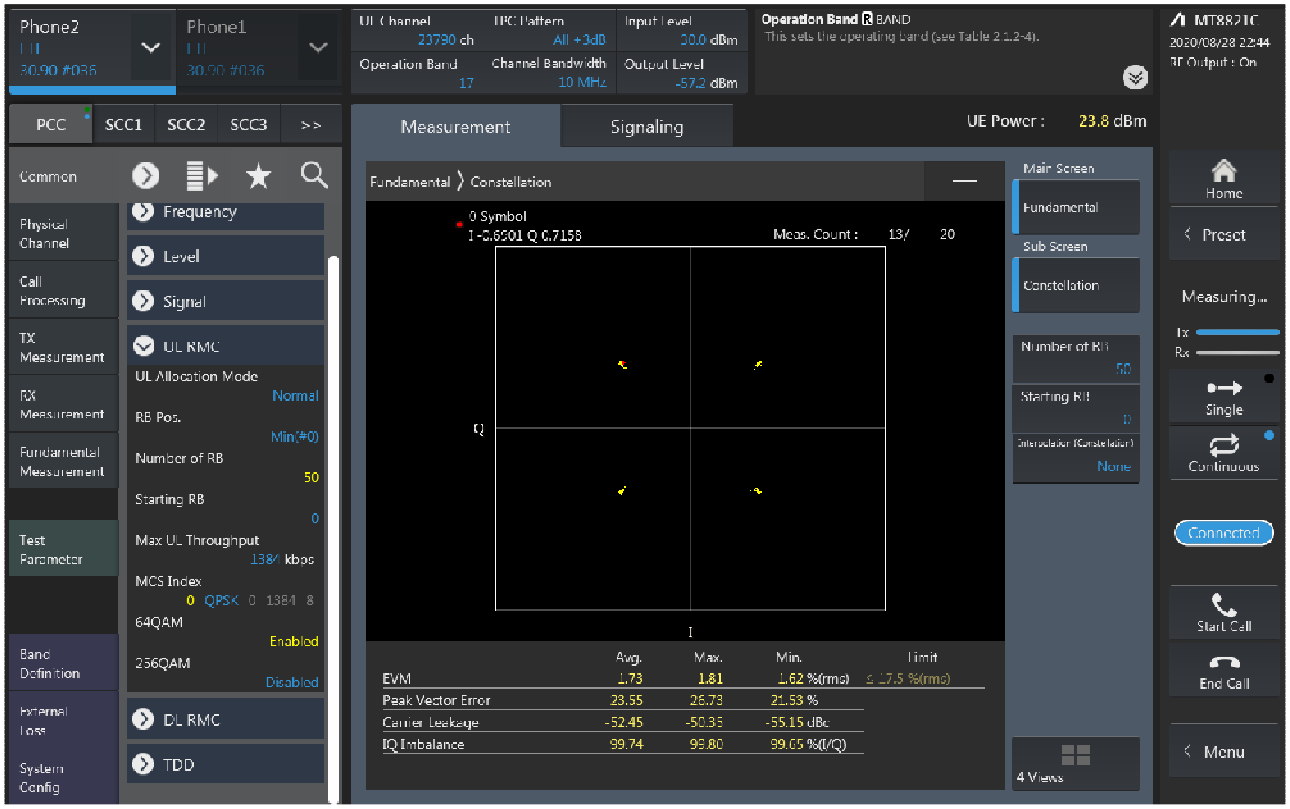
# 3. Modulation Characteristics

## 3.1. Test Mode = LTE /TM1 10MHz

### 3.1.1.Test Channel = MCH

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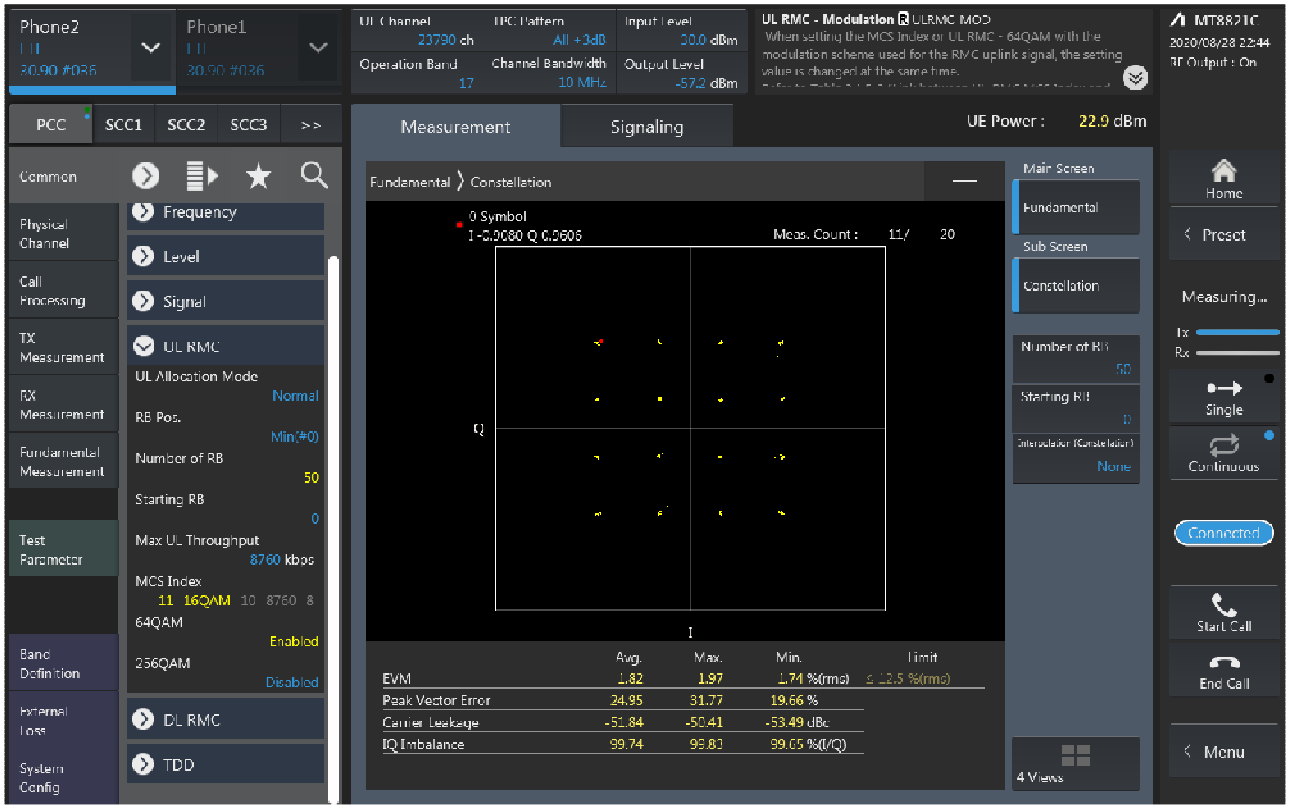
## 3.2. Test Mode = LTE /TM2 10MHz

### 3.2.1.Test Channel = MCH

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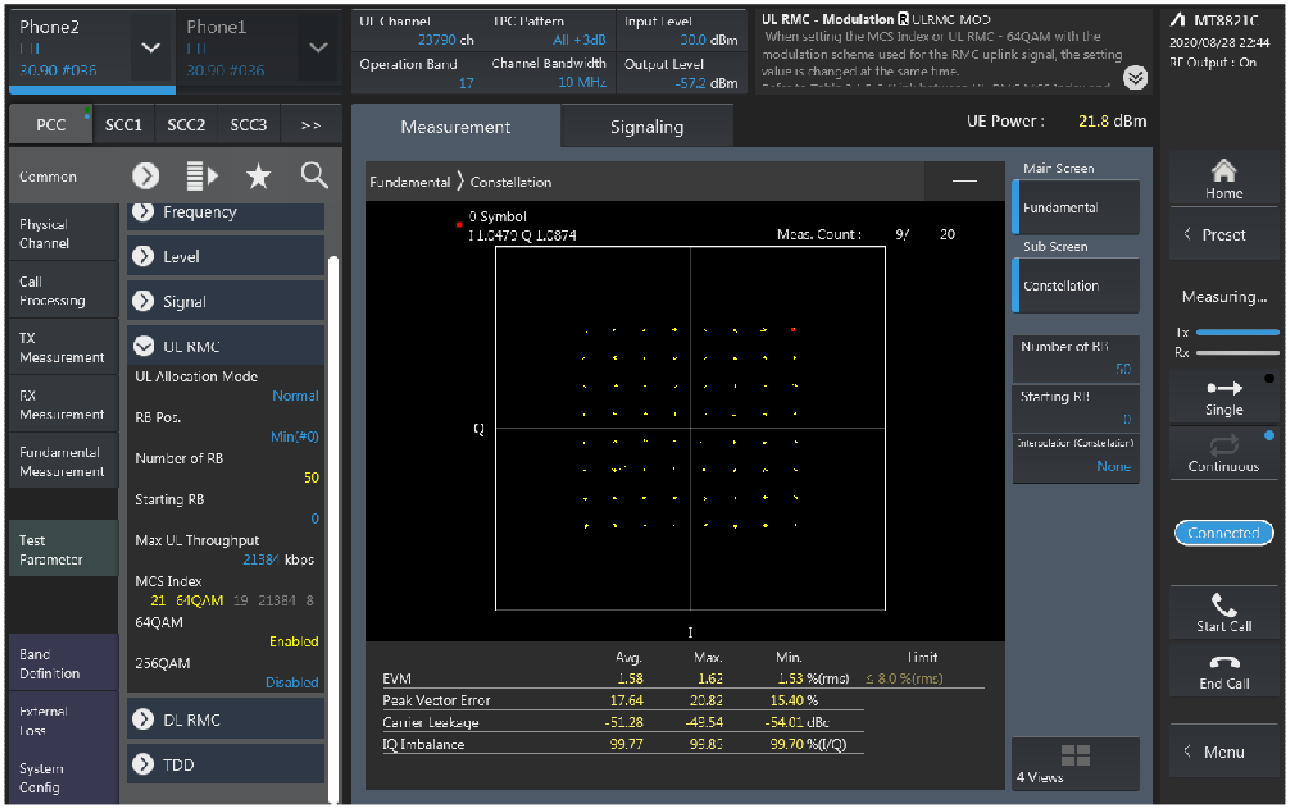
## 3.3. Test Mode = LTE /TM3 10MHz

### 3.3.1.Test Channel = MCH

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# 4. 26dB Bandwidth and Occupied Bandwidth

## 4.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 4.476 | 4.920 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 4.476 | 4.940 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 4.476 | 4.910 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 4.476 | 4.930 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 4.476 | 4.910 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 4.466 | 4.890 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 4.496 | 4.950 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 4.496 | 4.960 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 4.486 | 4.960 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 8.951 | 9.780 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 8.951 | 9.740 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 8.931 | 9.780 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 8.931 | 9.720 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 8.931 | 9.700 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 8.931 | 9.760 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 8.951 | 9.780 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 8.951 | 9.760 | PASS |

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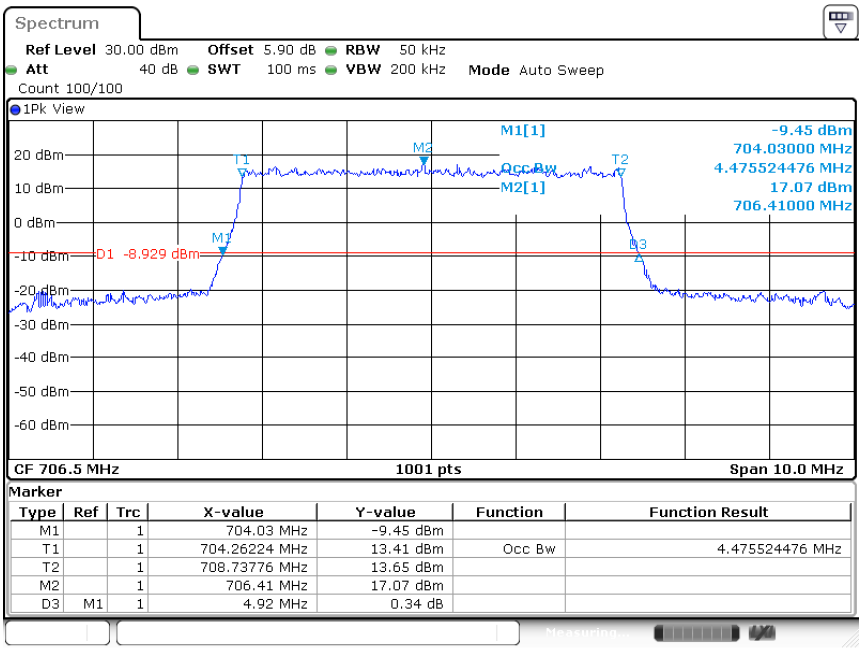
## 4.2. Test Plots

Band17-5MHz-QPSK-23755-25RB#0-4.476

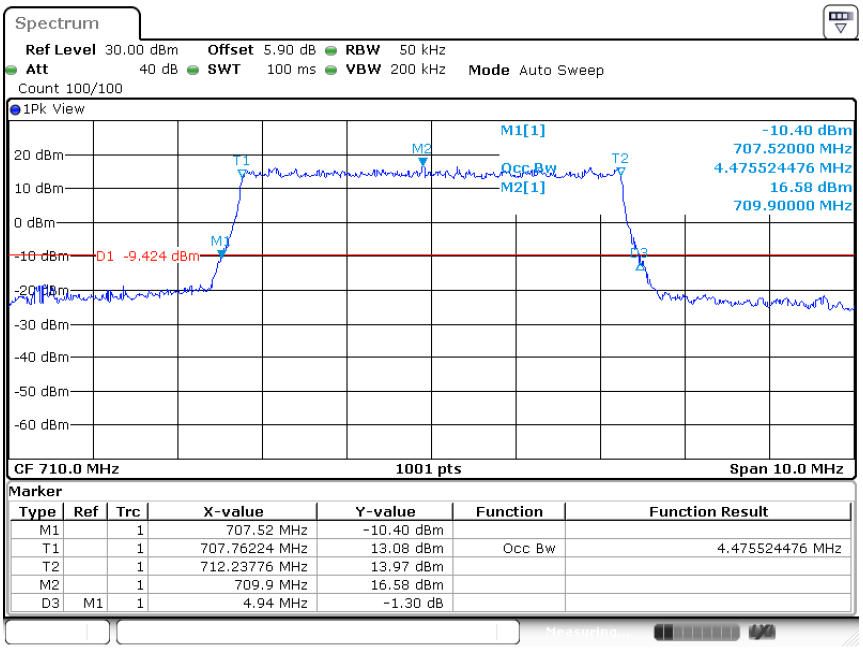



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.03 MHz | -9.45 dBm | | |
| T1 | | 1 | 704.26224 MHz | 13.41 dBm | Occ Bw | 4.475524476 MHz |
| T2 | | 1 | 708.73776 MHz | 13.65 dBm | | |
| M2 | | 1 | 706.41 MHz | 17.07 dBm | | |
| D3 | M1 | 1 | 4.92 MHz | 0.34 dB | | |

Date: 13.AUG.2020 09:11:08

Band17-5MHz-QPSK-23790-25RB#0-4.476




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 707.52 MHz | -10.40 dBm | | |
| T1 | | 1 | 707.76224 MHz | 13.08 dBm | Occ Bw | 4.475524476 MHz |
| T2 | | 1 | 712.23776 MHz | 13.97 dBm | | |
| M2 | | 1 | 709.9 MHz | 16.58 dBm | | |
| D3 | M1 | 1 | 4.94 MHz | -1.30 dB | | |

Date: 13.AUG.2020 09:11:41

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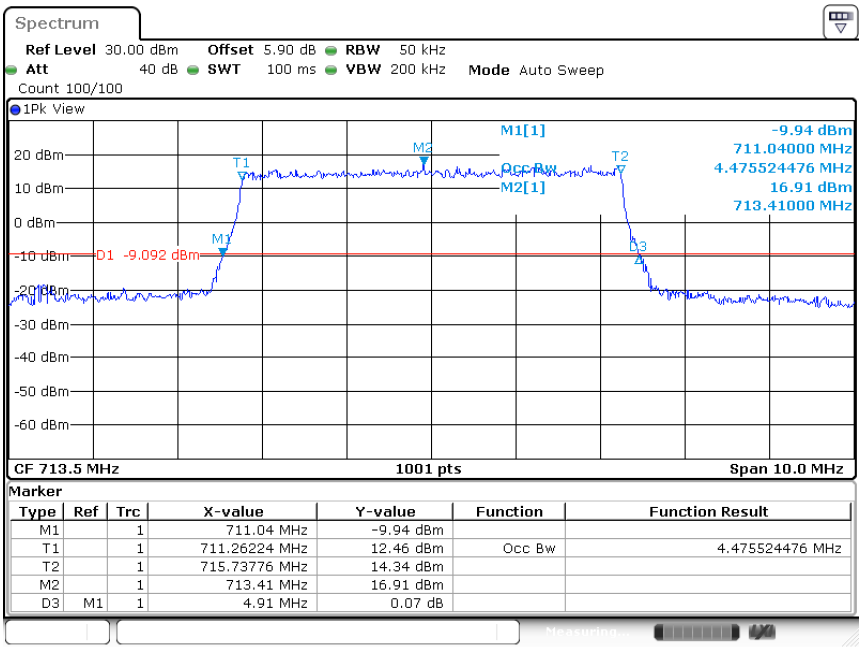
## Band17-5MHz-QPSK-23825-25RB#0-4.476

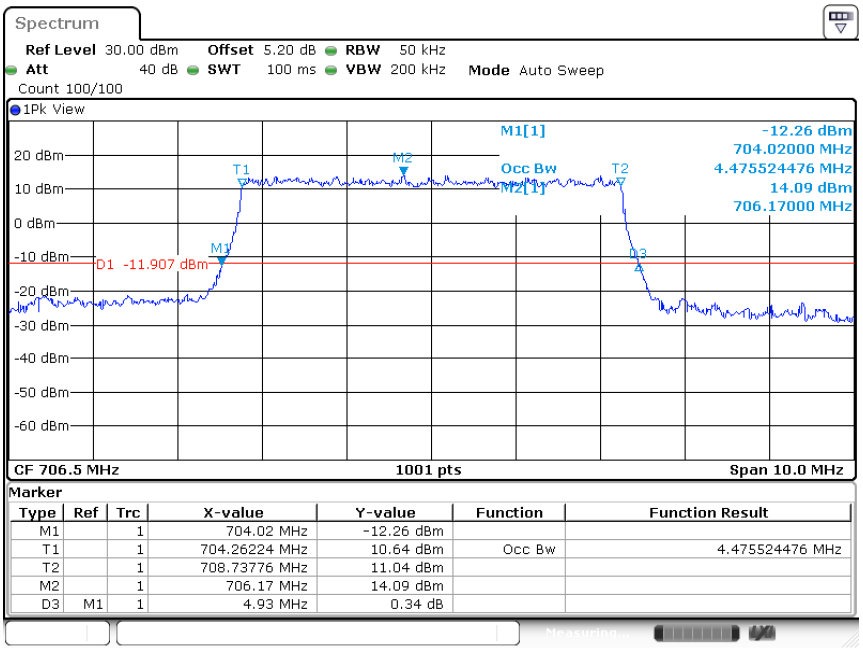



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 711.04 MHz | -9.94 dBm | | |
| T1 | | 1 | 711.26224 MHz | 12.46 dBm | Occ Bw | 4.475524476 MHz |
| T2 | | 1 | 715.73776 MHz | 14.34 dBm | | |
| M2 | | 1 | 713.41 MHz | 16.91 dBm | | |
| D3 | M1 | 1 | 4.91 MHz | 0.07 dB | | |

Date: 13.AUG.2020 09:12:17

## Band17-5MHz-64QAM-23755-25RB#0-4.476




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.02 MHz | -12.26 dBm | | |
| T1 | | 1 | 704.26224 MHz | 10.64 dBm | Occ Bw | 4.475524476 MHz |
| T2 | | 1 | 708.73776 MHz | 11.04 dBm | | |
| M2 | | 1 | 706.17 MHz | 14.09 dBm | | |
| D3 | M1 | 1 | 4.93 MHz | 0.34 dB | | |

Date: 19.AUG.2020 08:57:59

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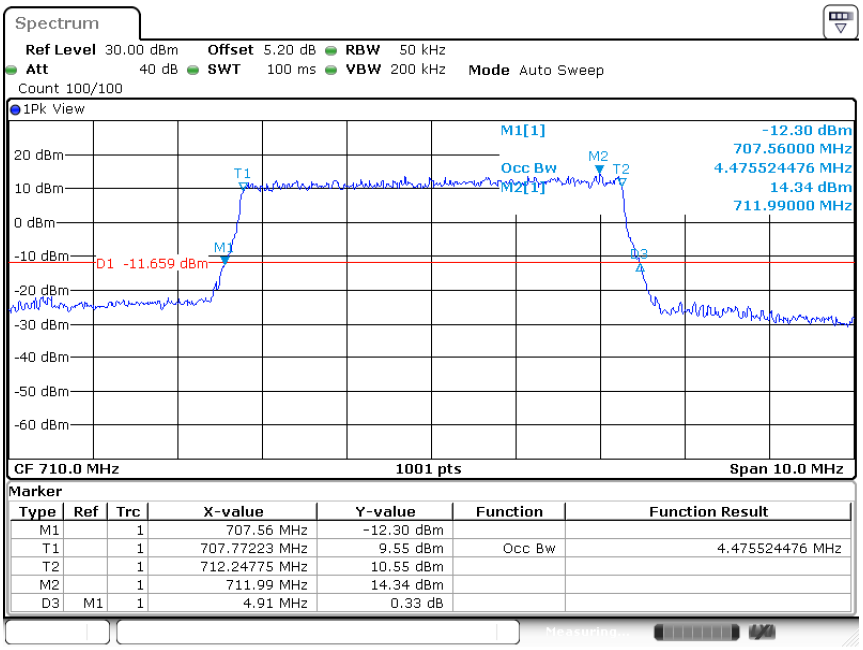
## Band17-5MHz-64QAM-23790-25RB#0-4.476

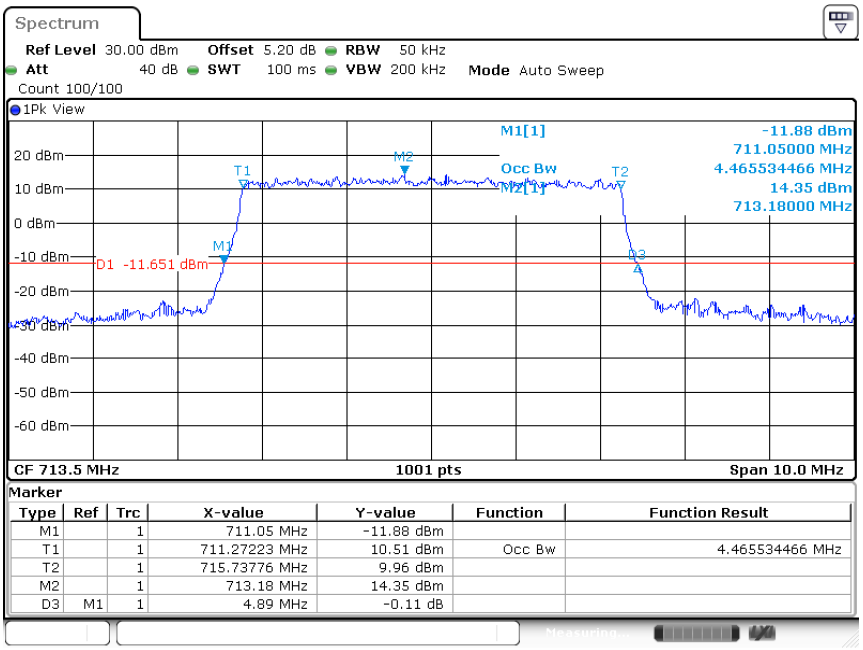



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 707.56 MHz | -12.30 dBm | | |
| T1 | | 1 | 707.77223 MHz | 9.55 dBm | Occ Bw | 4.475524476 MHz |
| T2 | | 1 | 712.24775 MHz | 10.55 dBm | | |
| M2 | | 1 | 711.99 MHz | 14.34 dBm | | |
| D3 | M1 | 1 | 4.91 MHz | 0.33 dB | | |

Date: 19.AUG.2020 08:58:19

## Band17-5MHz-64QAM-23825-25RB#0-4.466




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 711.05 MHz | -11.88 dBm | | |
| T1 | | 1 | 711.27223 MHz | 10.51 dBm | Occ Bw | 4.465534466 MHz |
| T2 | | 1 | 715.73776 MHz | 9.96 dBm | | |
| M2 | | 1 | 713.18 MHz | 14.35 dBm | | |
| D3 | M1 | 1 | 4.89 MHz | -0.11 dB | | |

Date: 19.AUG.2020 08:58:39

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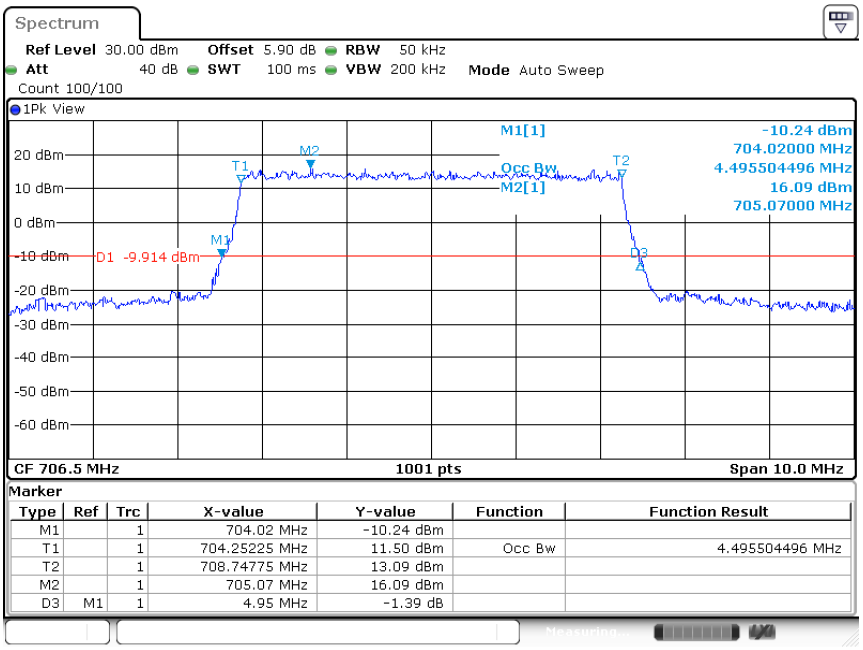
## Band17-5MHz-16QAM-23755-25RB#0-4.496

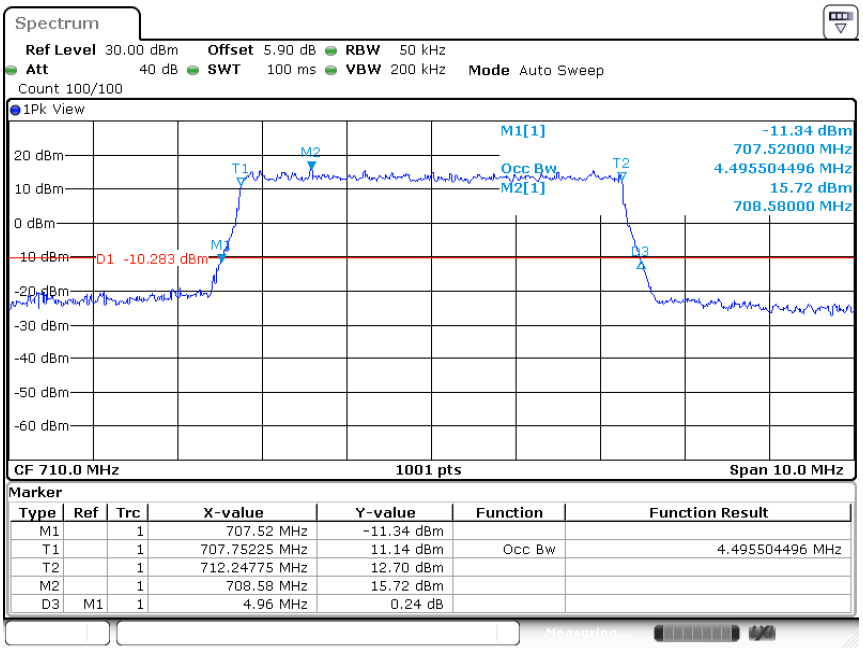



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.02 MHz | -10.24 dBm | | |
| T1 | | 1 | 704.25225 MHz | 11.50 dBm | Occ Bw | 4.495504496 MHz |
| T2 | | 1 | 708.74775 MHz | 13.09 dBm | | |
| M2 | | 1 | 705.07 MHz | 16.09 dBm | | |
| D3 | M1 | 1 | 4.95 MHz | -1.39 dB | | |

Date: 13.AUG.2020 09:11:25

## Band17-5MHz-16QAM-23790-25RB#0-4.496




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 707.52 MHz | -11.34 dBm | | |
| T1 | | 1 | 707.75225 MHz | 11.14 dBm | Occ Bw | 4.495504496 MHz |
| T2 | | 1 | 712.24775 MHz | 12.70 dBm | | |
| M2 | | 1 | 708.58 MHz | 15.72 dBm | | |
| D3 | M1 | 1 | 4.96 MHz | 0.24 dB | | |

Date: 13.AUG.2020 09:11:59

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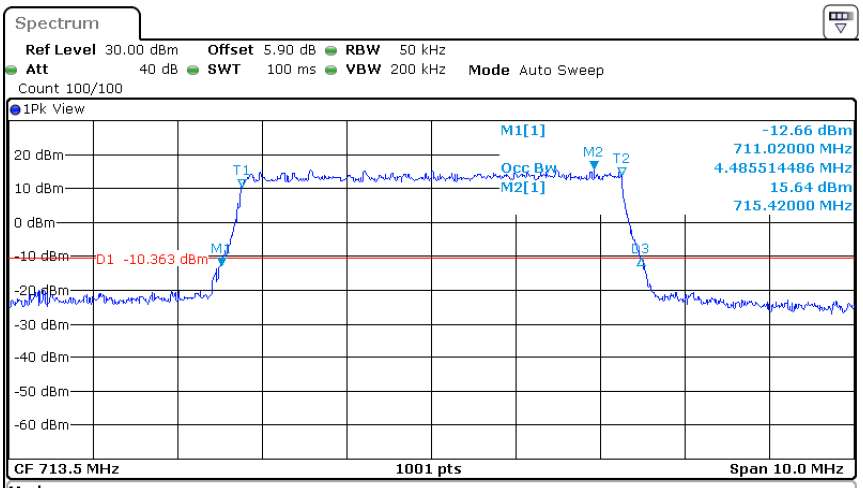
## Band17-5MHz-16QAM-23825-25RB#0-4.486

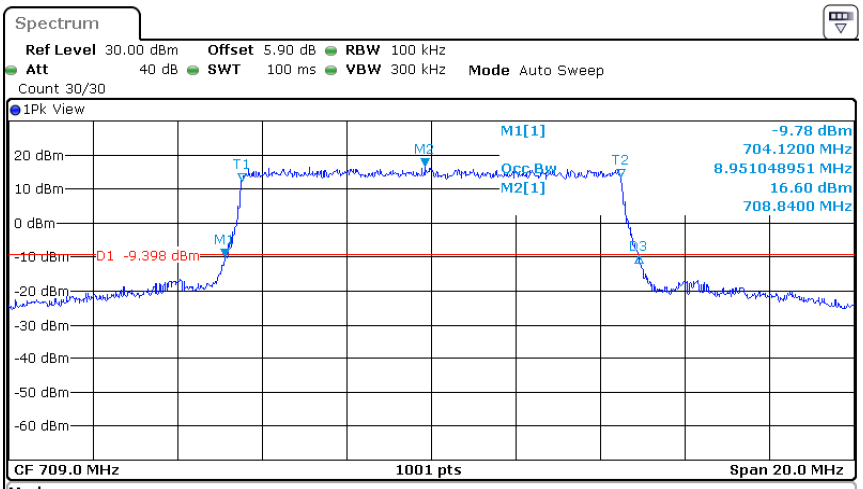



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 711.02 MHz | -12.66 dBm | | |
| T1 | | 1 | 711.26224 MHz | 10.49 dBm | Occ Bw | 4.485514486 MHz |
| T2 | | 1 | 715.74775 MHz | 13.70 dBm | | |
| M2 | | 1 | 715.42 MHz | 15.64 dBm | | |
| D3 | M1 | 1 | 4.96 MHz | 2.06 dB | | |

Date: 13.AUG.2020 09:12:33

## Band17-10MHz-QPSK-23780-50RB#0-8.951




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.12 MHz | -9.78 dBm | | |
| T1 | | 1 | 704.5245 MHz | 12.32 dBm | Occ Bw | 8.951048951 MHz |
| T2 | | 1 | 713.4755 MHz | 13.65 dBm | | |
| M2 | | 1 | 708.84 MHz | 16.60 dBm | | |
| D3 | M1 | 1 | 9.78 MHz | 0.13 dB | | |

Date: 13.AUG.2020 09:12:45

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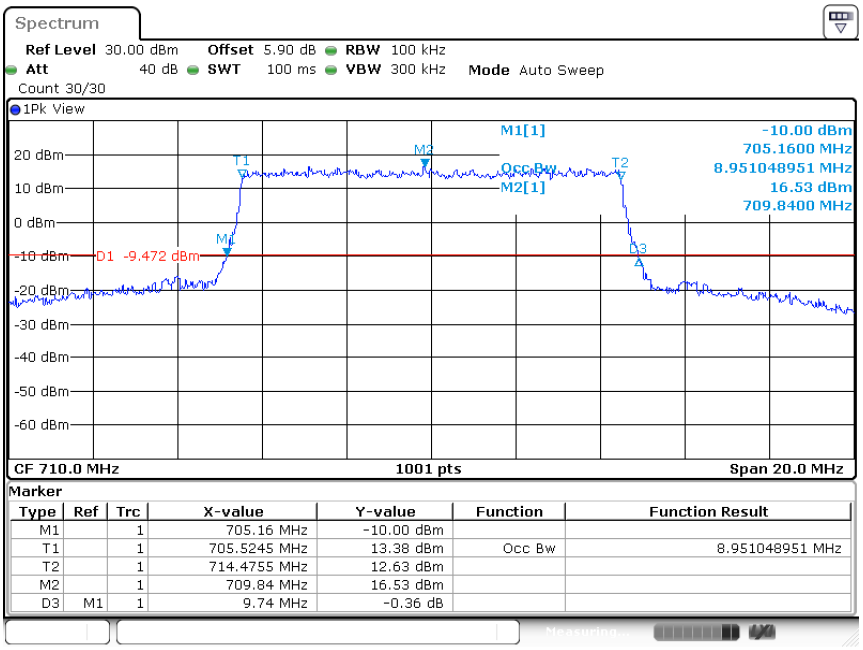
## Band17-10MHz-QPSK-23790-50RB#0-8.951

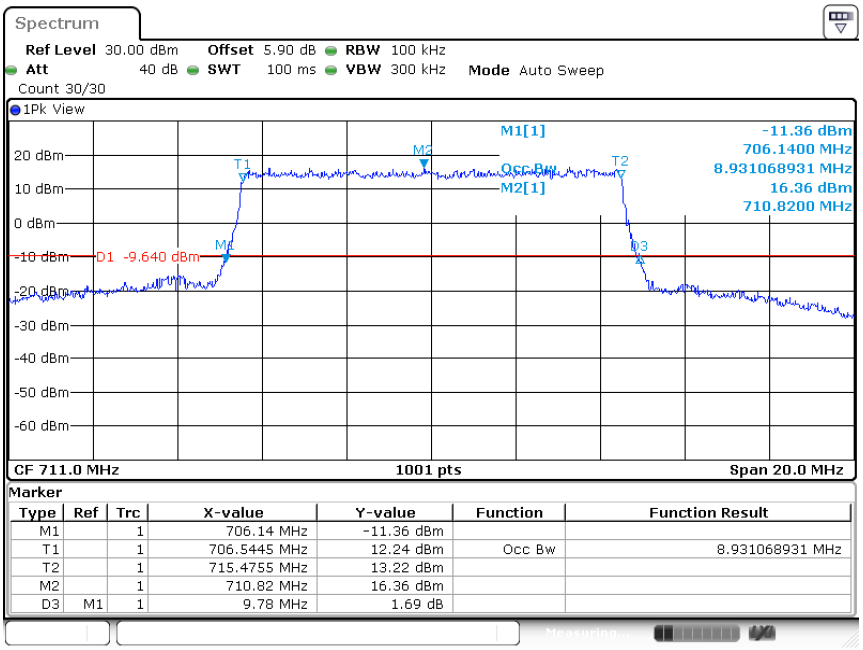



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 705.16 MHz | -10.00 dBm | | |
| T1 | | 1 | 705.5245 MHz | 13.38 dBm | Occ Bw | 8.951048951 MHz |
| T2 | | 1 | 714.4755 MHz | 12.63 dBm | | |
| M2 | | 1 | 709.84 MHz | 16.53 dBm | | |
| D3 | M1 | 1 | 9.74 MHz | -0.36 dB | | |

Date: 13.AUG.2020 09:13:08

## Band17-10MHz-QPSK-23800-50RB#0-8.931




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 706.14 MHz | -11.36 dBm | | |
| T1 | | 1 | 706.5445 MHz | 12.24 dBm | Occ Bw | 8.931068931 MHz |
| T2 | | 1 | 715.4755 MHz | 13.22 dBm | | |
| M2 | | 1 | 710.82 MHz | 16.36 dBm | | |
| D3 | M1 | 1 | 9.78 MHz | 1.69 dB | | |

Date: 13.AUG.2020 09:13:30

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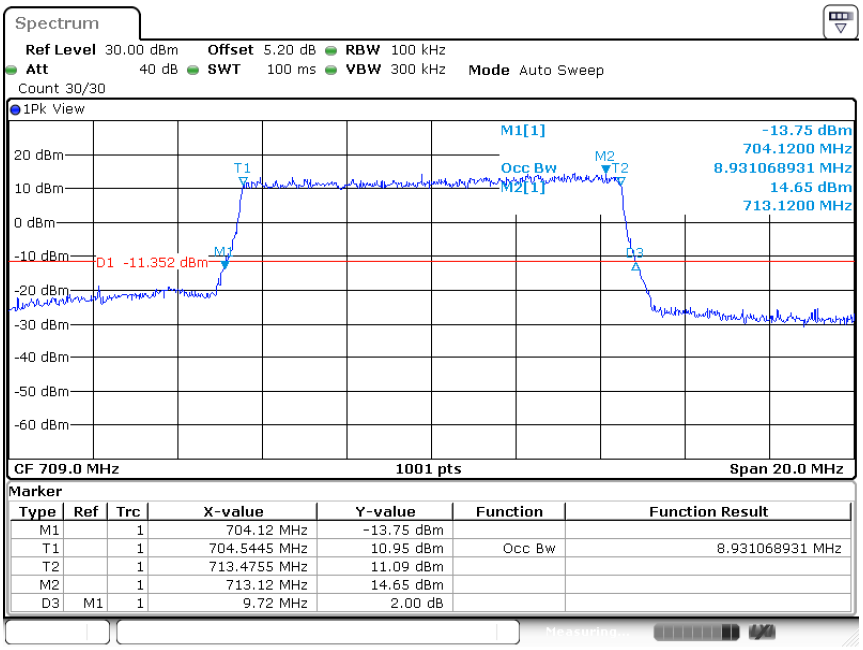
## Band17-10MHz-64QAM-23780-50RB#0-8.931

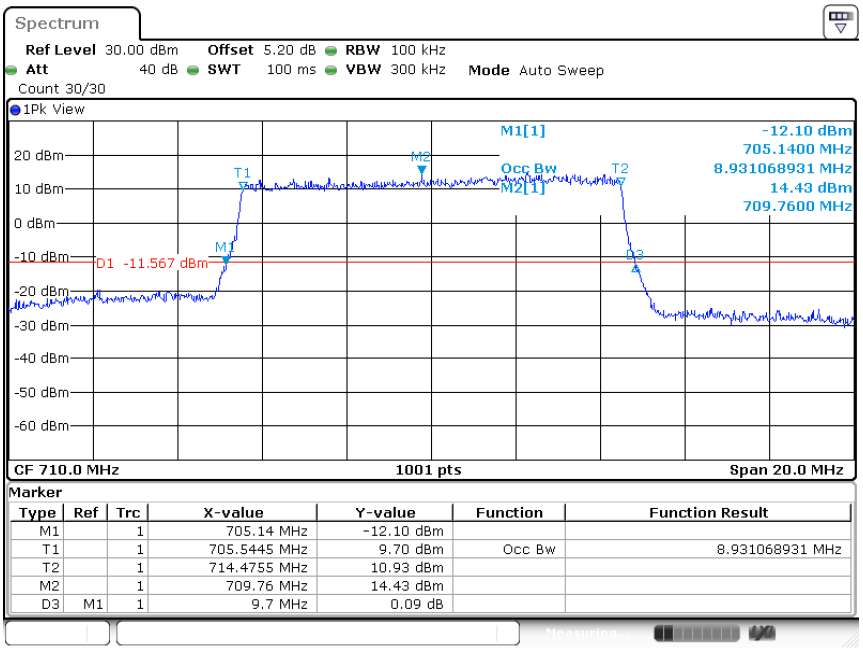



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.12 MHz | -13.75 dBm | | |
| T1 | | 1 | 704.5445 MHz | 10.95 dBm | Occ Bw | 8.931068931 MHz |
| T2 | | 1 | 713.4755 MHz | 11.09 dBm | | |
| M2 | | 1 | 713.12 MHz | 14.65 dBm | | |
| D3 | M1 | 1 | 9.72 MHz | 2.00 dB | | |

Date: 19.AUG.2020 08:58:59

## Band17-10MHz-64QAM-23790-50RB#0-8.931




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 705.14 MHz | -12.10 dBm | | |
| T1 | | 1 | 705.5445 MHz | 9.70 dBm | Occ Bw | 8.931068931 MHz |
| T2 | | 1 | 714.4755 MHz | 10.93 dBm | | |
| M2 | | 1 | 709.76 MHz | 14.43 dBm | | |
| D3 | M1 | 1 | 9.7 MHz | 0.09 dB | | |

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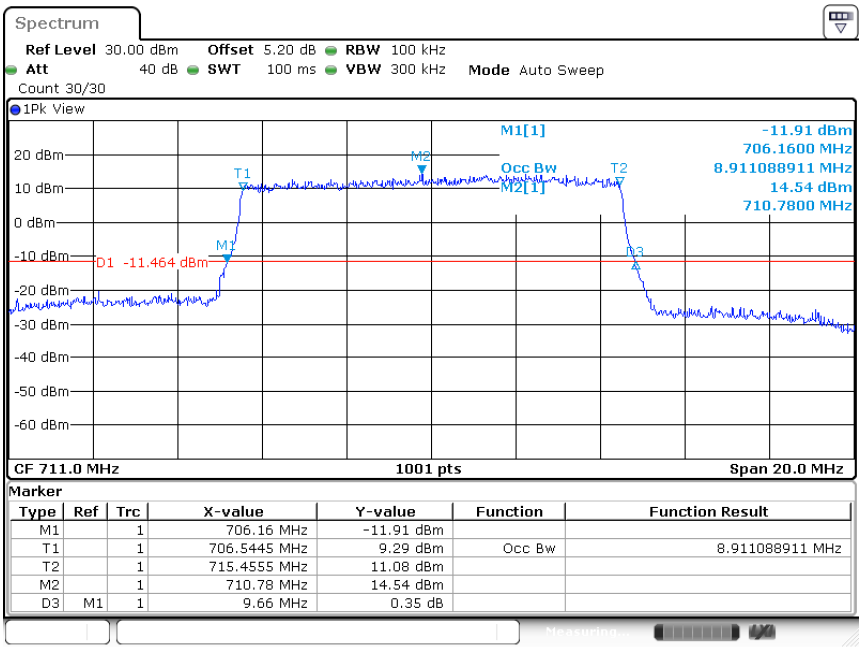
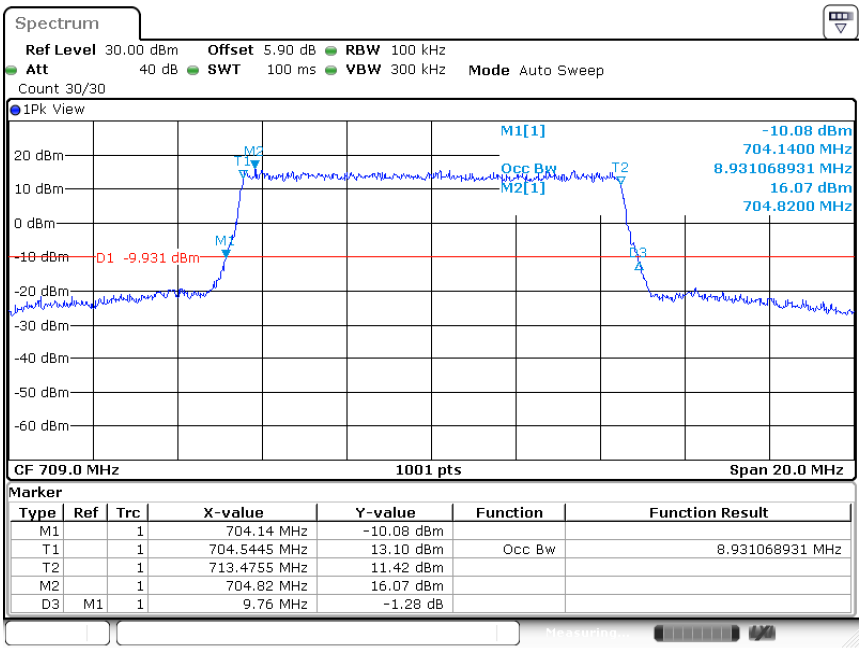
## Band17-10MHz-64QAM-23800-50RB#0-8.911




| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 706.16 MHz | -11.91 dBm | | |
| T1 | | 1 | 706.5445 MHz | 9.29 dBm | Occ Bw | 8.911088911 MHz |
| T2 | | 1 | 715.4555 MHz | 11.08 dBm | | |
| M2 | | 1 | 710.78 MHz | 14.54 dBm | | |
| D3 | M1 | 1 | 9.66 MHz | 0.35 dB | | |

Date: 19.AUG.2020 08:59:25

## Band17-10MHz-16QAM-23780-50RB#0-8.931




| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 704.14 MHz | -10.08 dBm | | |
| T1 | | 1 | 704.5445 MHz | 13.10 dBm | Occ Bw | 8.931068931 MHz |
| T2 | | 1 | 713.4755 MHz | 11.42 dBm | | |
| M2 | | 1 | 704.82 MHz | 16.07 dBm | | |
| D3 | M1 | 1 | 9.76 MHz | -1.28 dB | | |

Date: 13.AUG.2020 09:12:54

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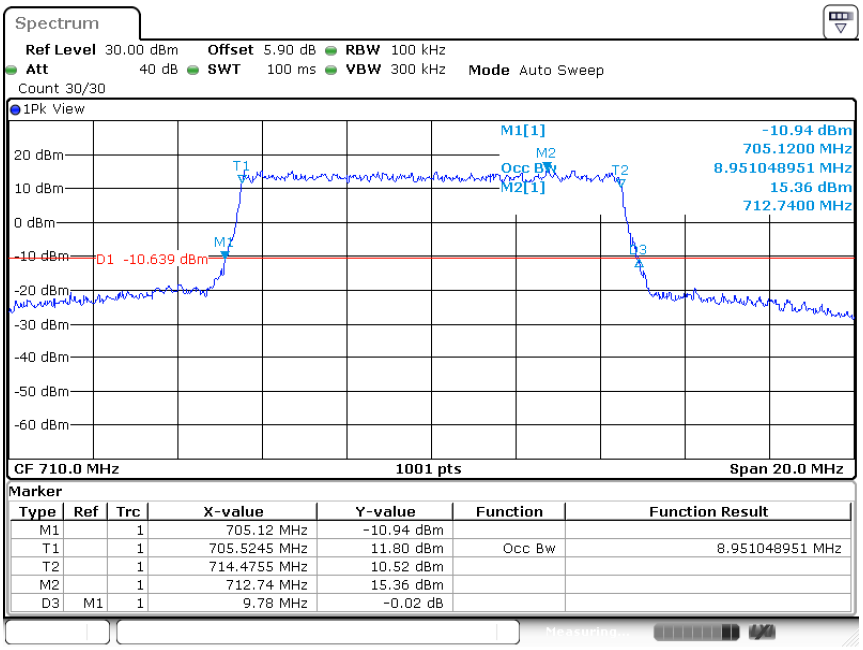
## Band17-10MHz-16QAM-23790-50RB#0-8.951

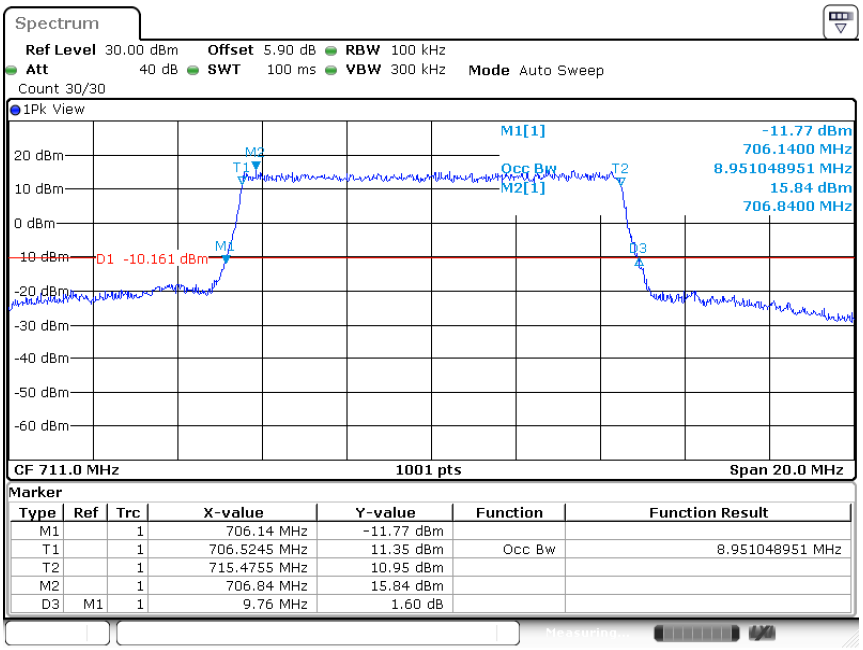



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 705.12 MHz | -10.94 dBm | | |
| T1 | | 1 | 705.5245 MHz | 11.80 dBm | Occ Bw | 8.951048951 MHz |
| T2 | | 1 | 714.4755 MHz | 10.52 dBm | | |
| M2 | | 1 | 712.74 MHz | 15.36 dBm | | |
| D3 | M1 | 1 | 9.78 MHz | -0.02 dB | | |

Date: 13.AUG.2020 09:13:21

## Band17-10MHz-16QAM-23800-50RB#0-8.951




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 706.14 MHz | -11.77 dBm | | |
| T1 | | 1 | 706.5245 MHz | 11.35 dBm | Occ Bw | 8.951048951 MHz |
| T2 | | 1 | 715.4755 MHz | 10.95 dBm | | |
| M2 | | 1 | 706.84 MHz | 15.84 dBm | | |
| D3 | M1 | 1 | 9.76 MHz | 1.60 dB | | |

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# 5. Band Edge Compliance

## 5.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | -18.64 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | -25.64 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | -19.73 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | -26.49 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | -21.61 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | -27.98 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | -21.53 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | -30.27 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | -19.12 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | -26.57 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | -20.00 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | -27.24 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | -28.11 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | -26.39 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | -29.13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | -26.96 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | -30.18 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | -29.25 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | -32.39 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | -32.51 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | -27.73 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | -28.11 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | -30.33 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | -29.19 | PASS |

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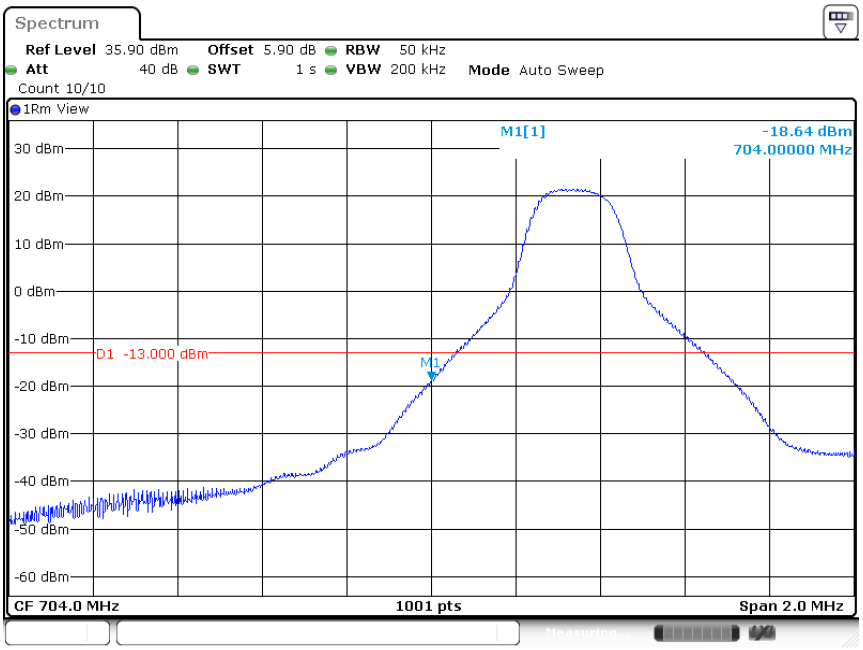
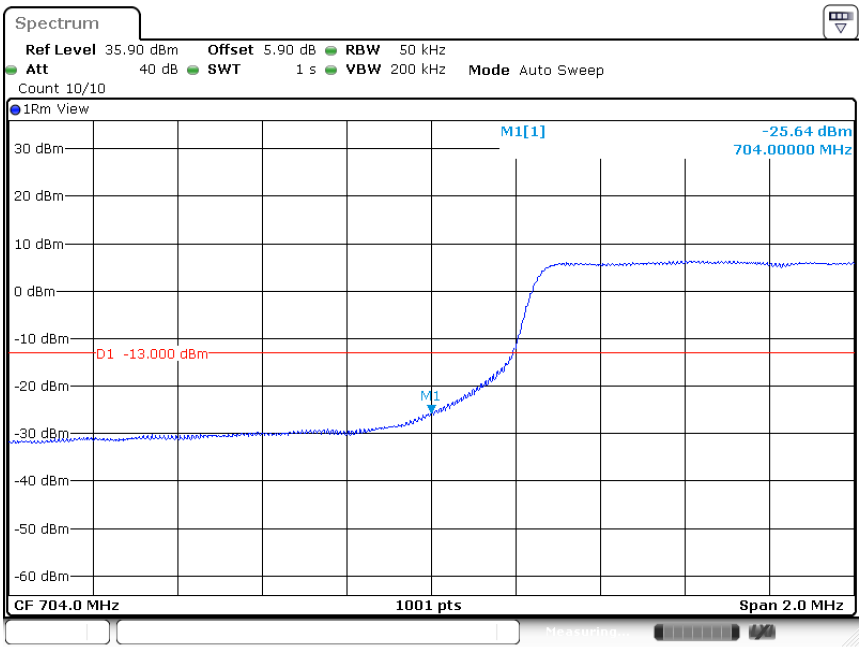
## 5.2. Test Plots

Band17-5MHz-QPSK-23755-1RB#0




Date: 13.AUG.2020 09:13:59

Band17-5MHz-QPSK-23755-25RB#0

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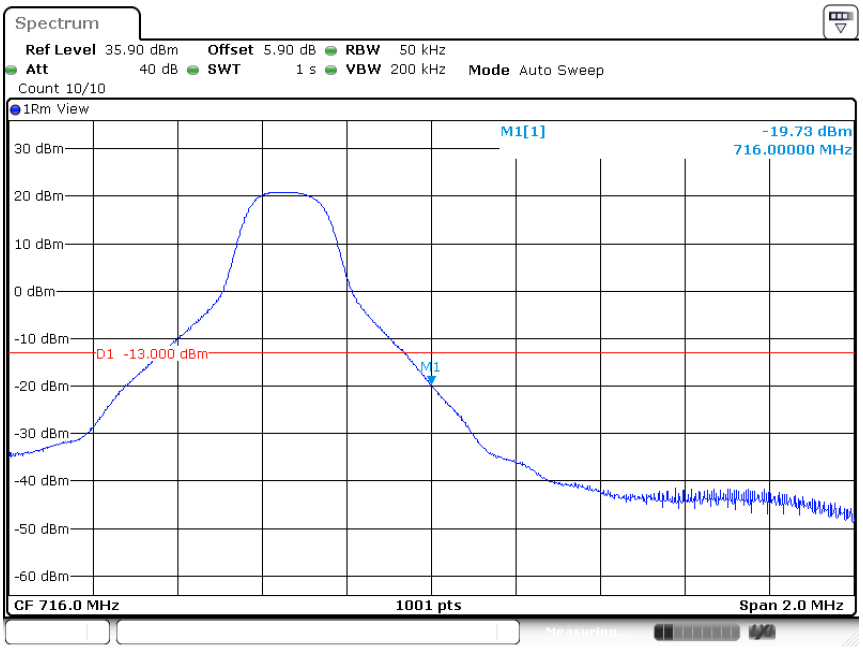
| Band17-5MHz-QPSK-23825-1RB#24 |
|---|

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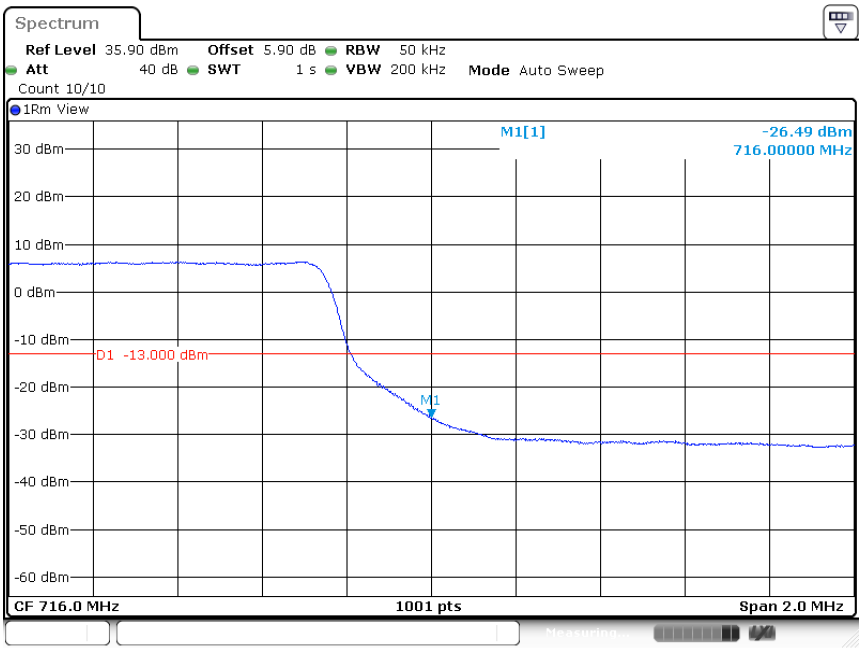


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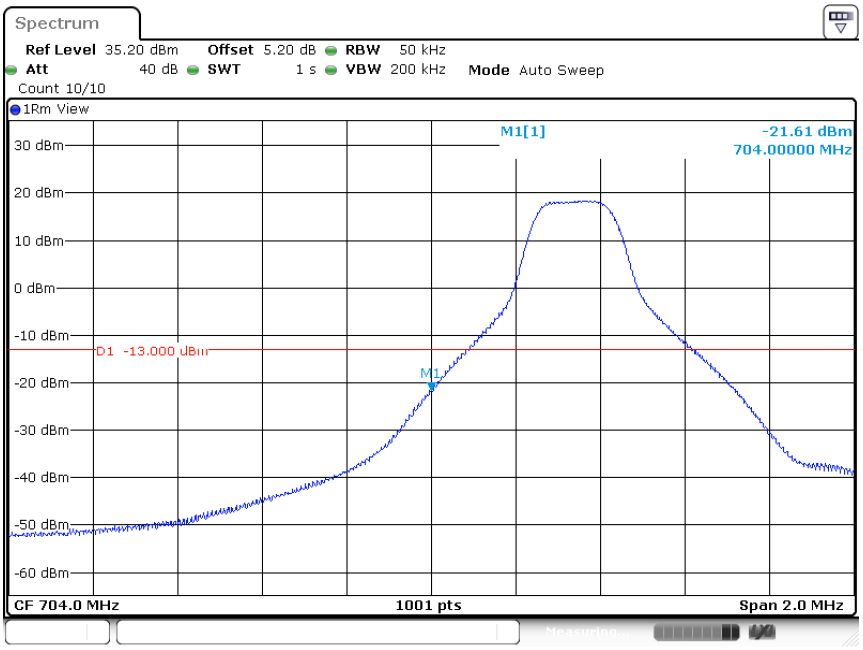
Band17-5MHz-64QAM-23755-1RB#0

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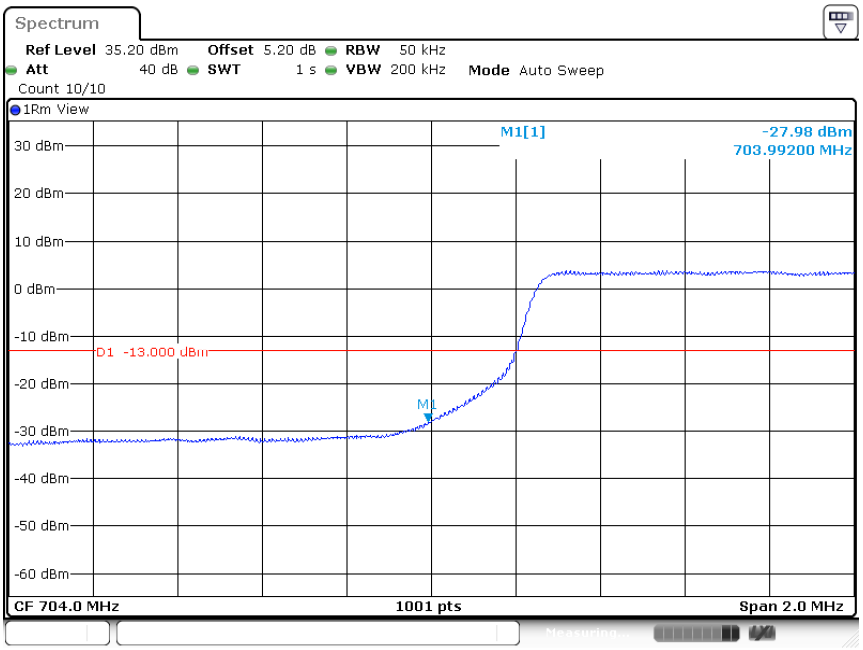
Band17-5MHz-64QAM-23755-25RB#0

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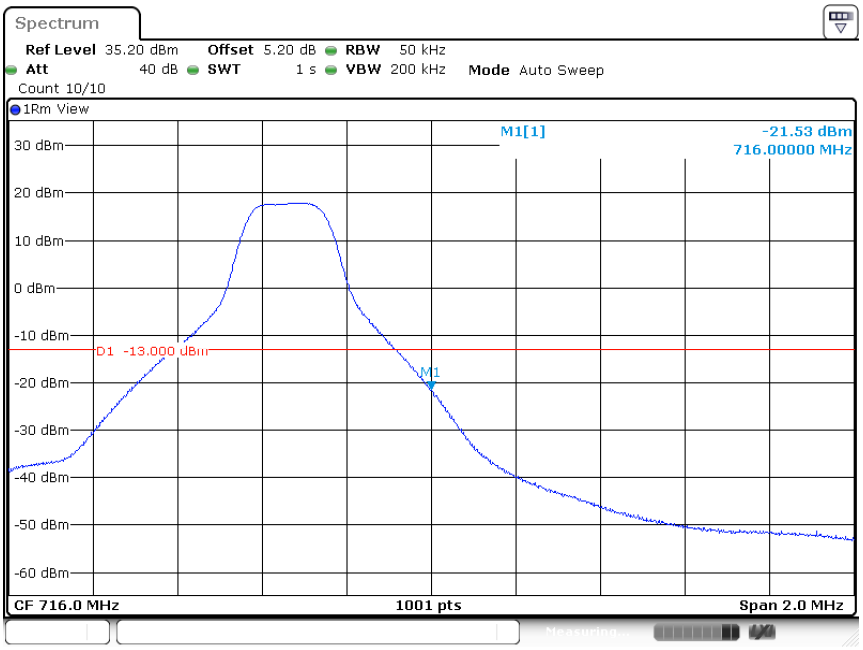


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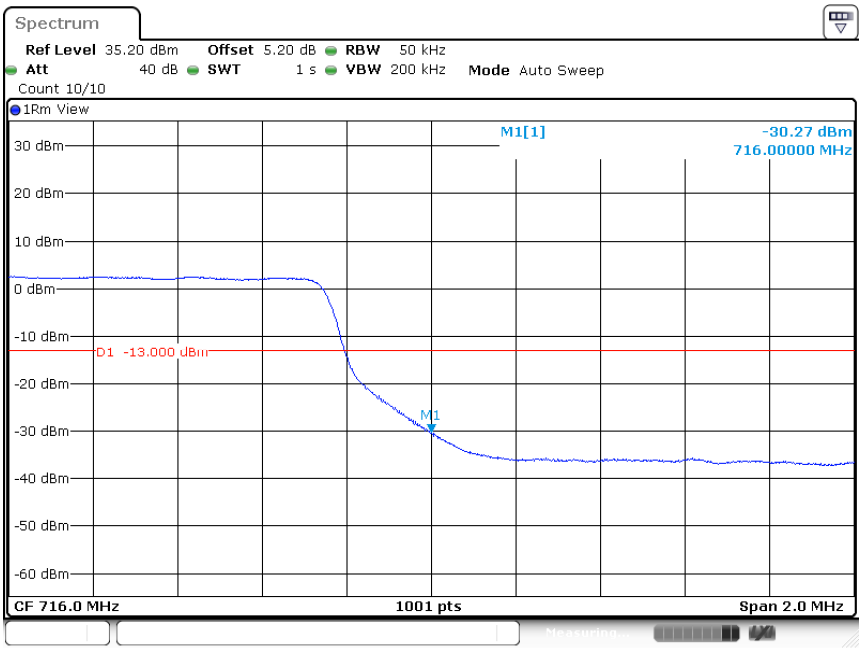
Band17-5MHz-64QAM-23825-25RB#0

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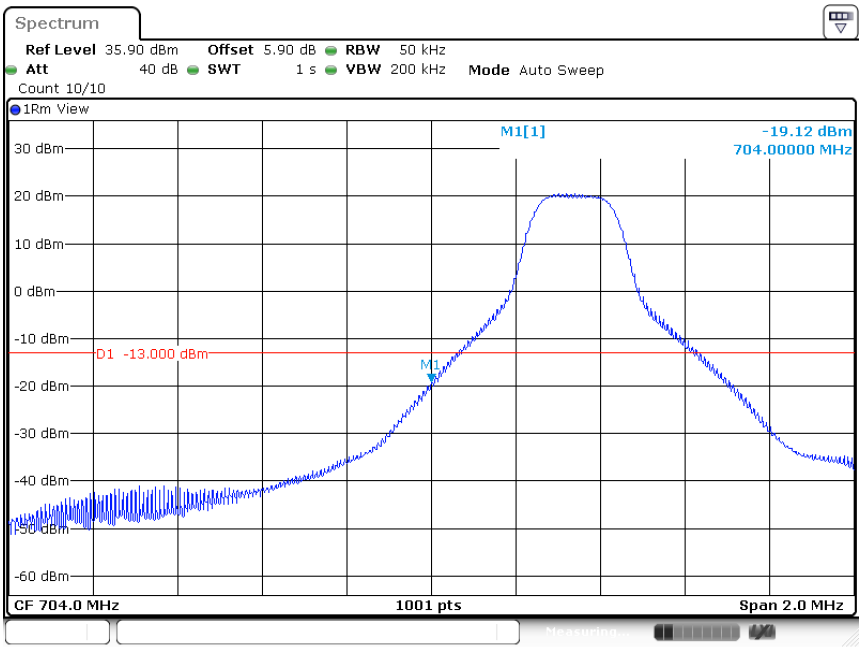


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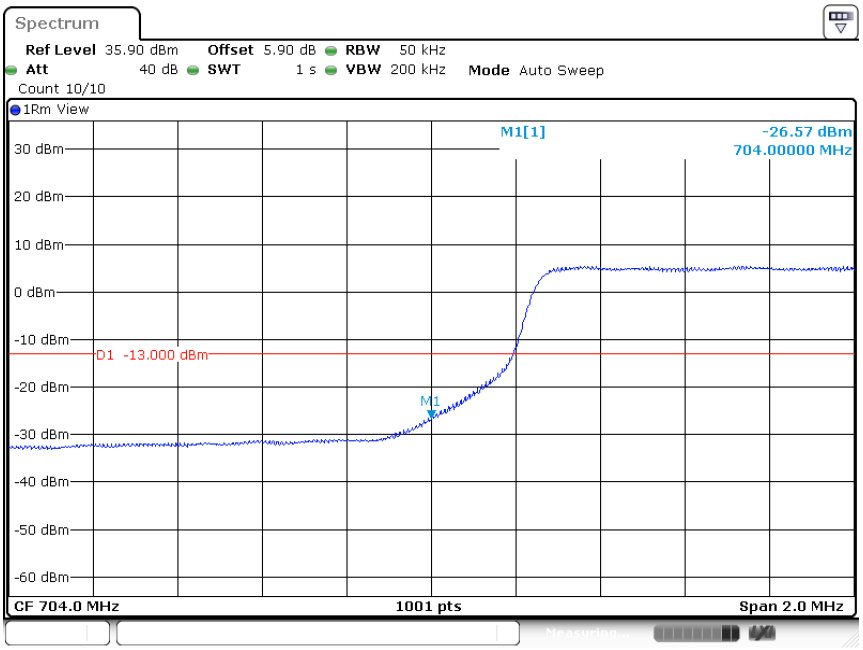
Band17-5MHz-16QAM-23755-25RB#0

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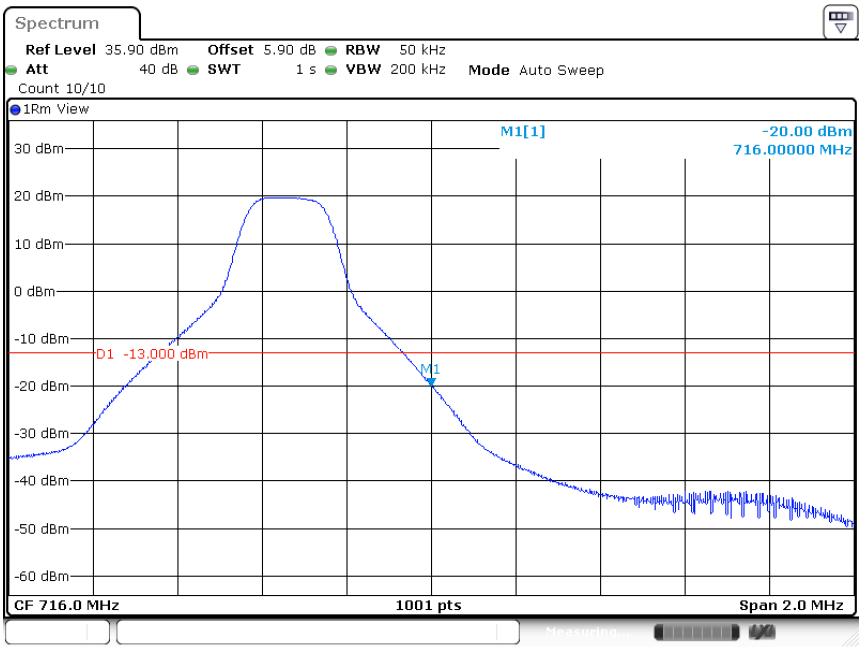


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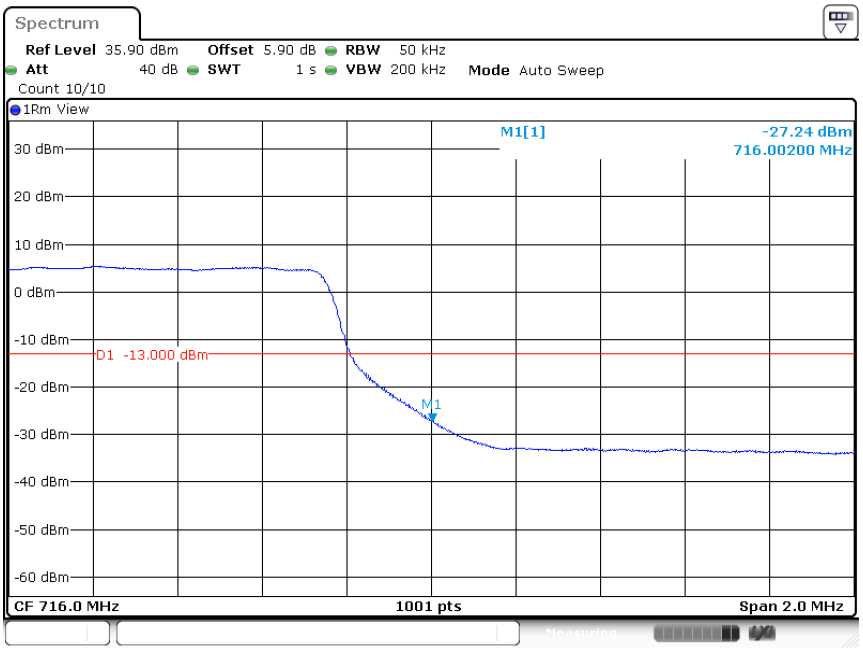


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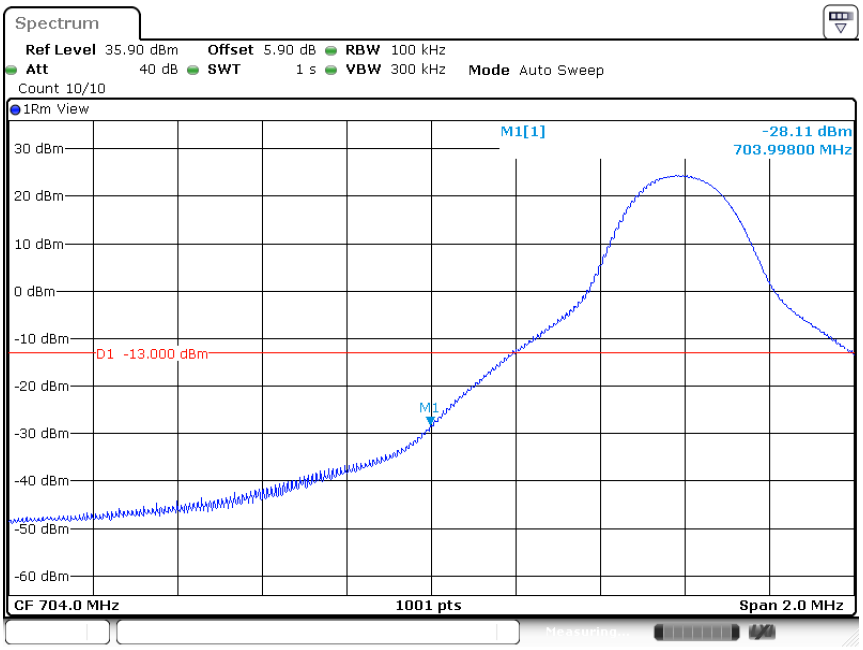
Band17-10MHz-QPSK-23780-1RB#0

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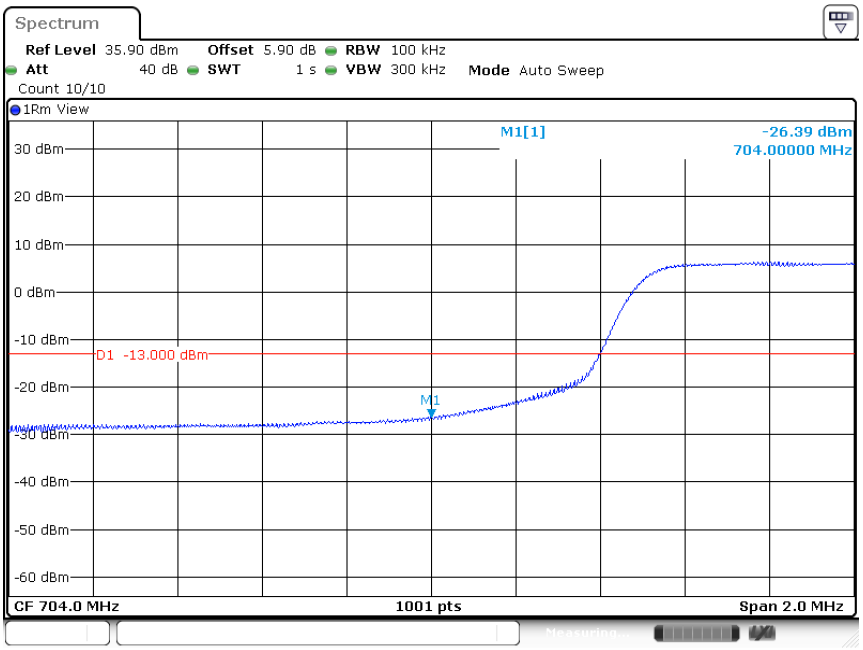
Band17-10MHz-QPSK-23780-50RB#0




Date: 13.AUG.2020 09:16:55

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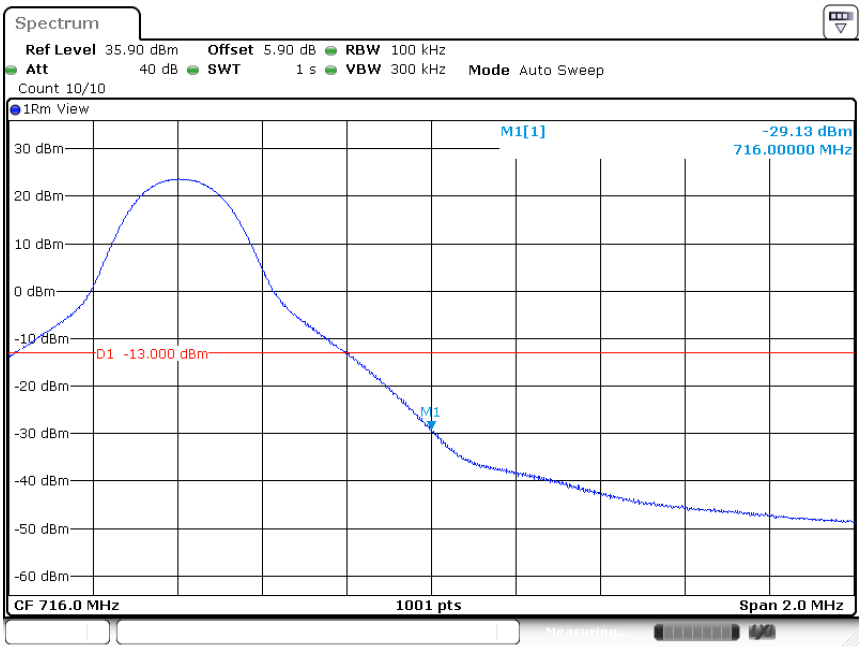
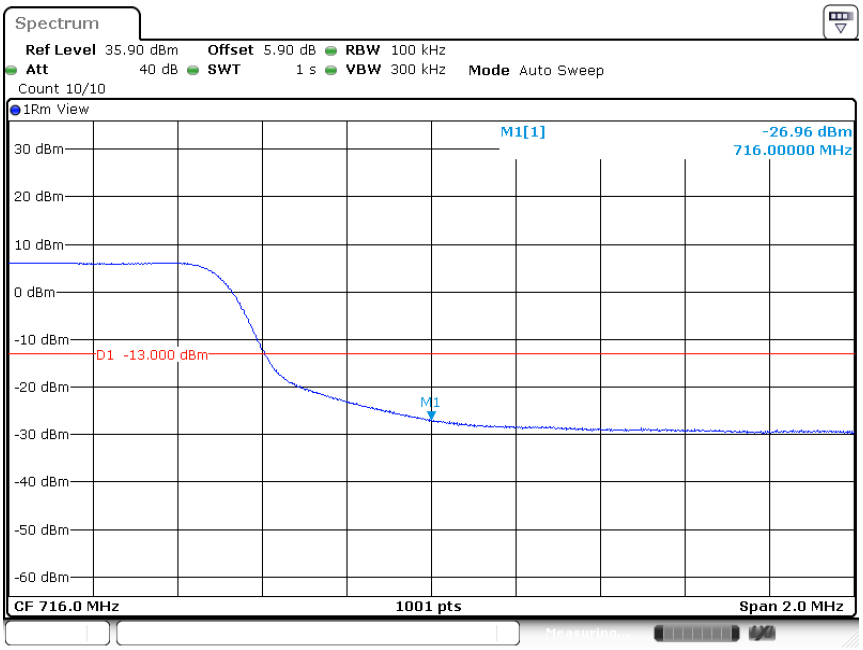
Band17-10MHz-QPSK-23800-1RB#49




Date: 13.AUG.2020 09:17:31

Band17-10MHz-QPSK-23800-50RB#0




Date: 13.AUG.2020 09:18:06

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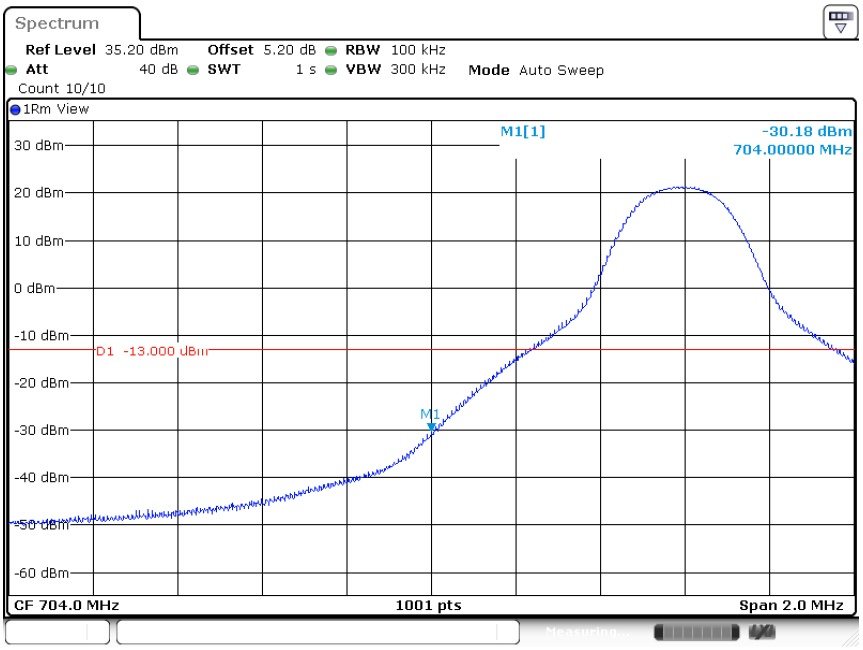
| Band17-10MHz-64QAM-23780-1RB#0 |
|---|




Date: 19.AUG.2020 09:01:29

| Band17-10MHz-64QAM-23780-50RB#0 |
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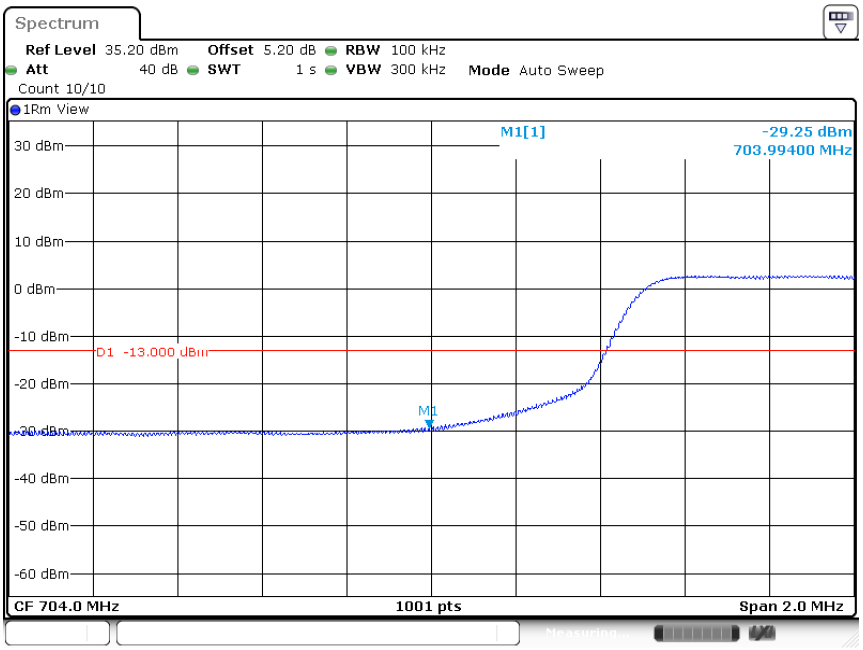


Date: 19.AUG.2020 09:01:49

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| Band17-10MHz-64QAM-23800-1RB#49 |
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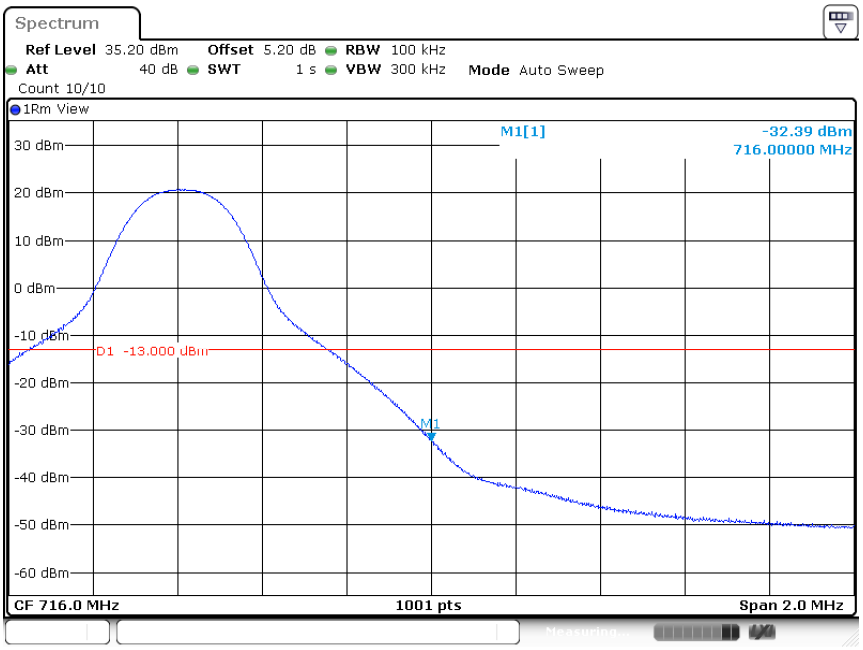


Date: 19.AUG.2020 09:02:15

| Band17-10MHz-64QAM-23800-50RB#0 |
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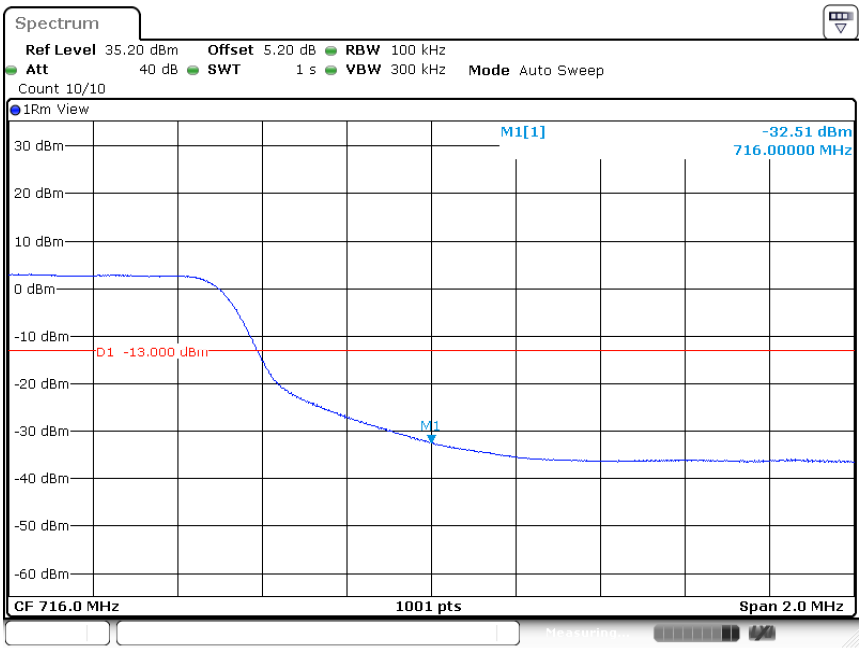


Date: 19.AUG.2020 09:02:36

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| Band17-10MHz-16QAM-23780-1RB#0 |
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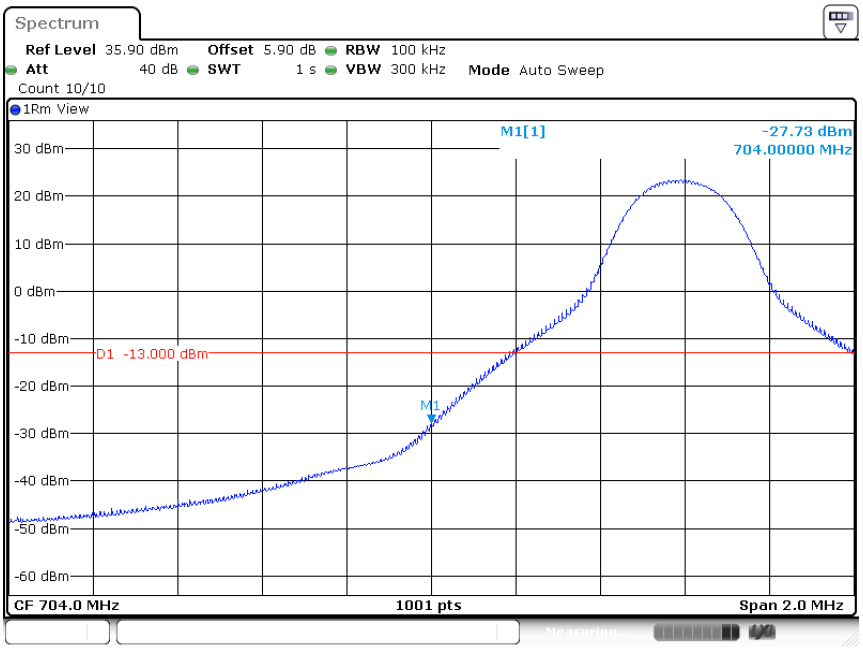


Date: 13.AUG.2020 09:16:38

| Band17-10MHz-16QAM-23780-50RB#0 |
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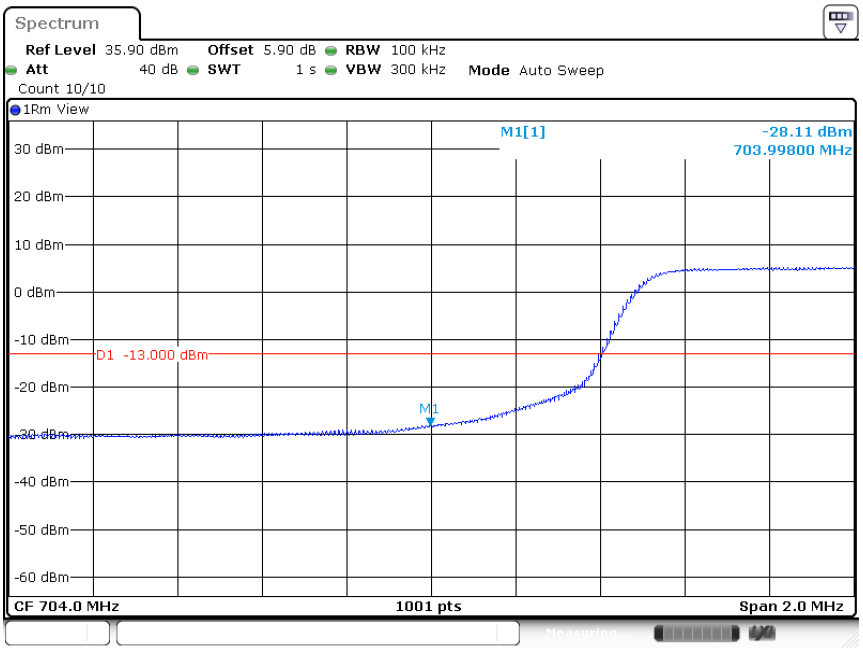


Date: 13.AUG.2020 09:17:12

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| Band17-10MHz-16QAM-23800-1RB#49 |
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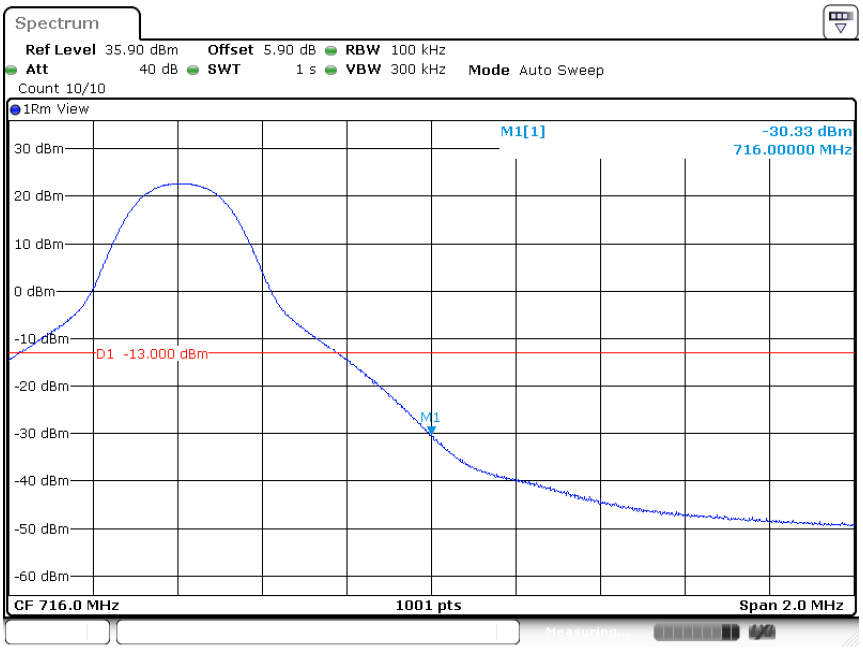


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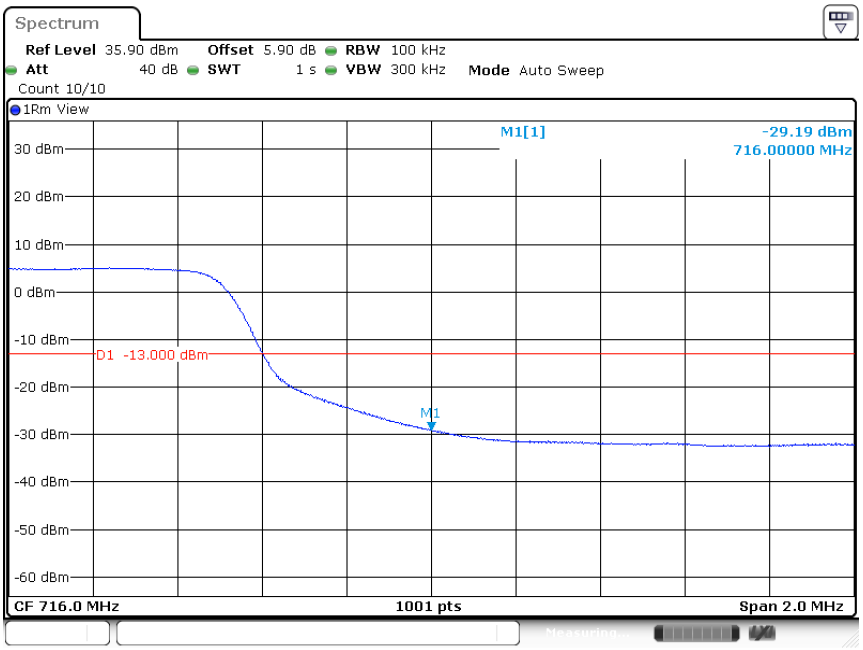


Date: 13.AUG.2020 09:18:23

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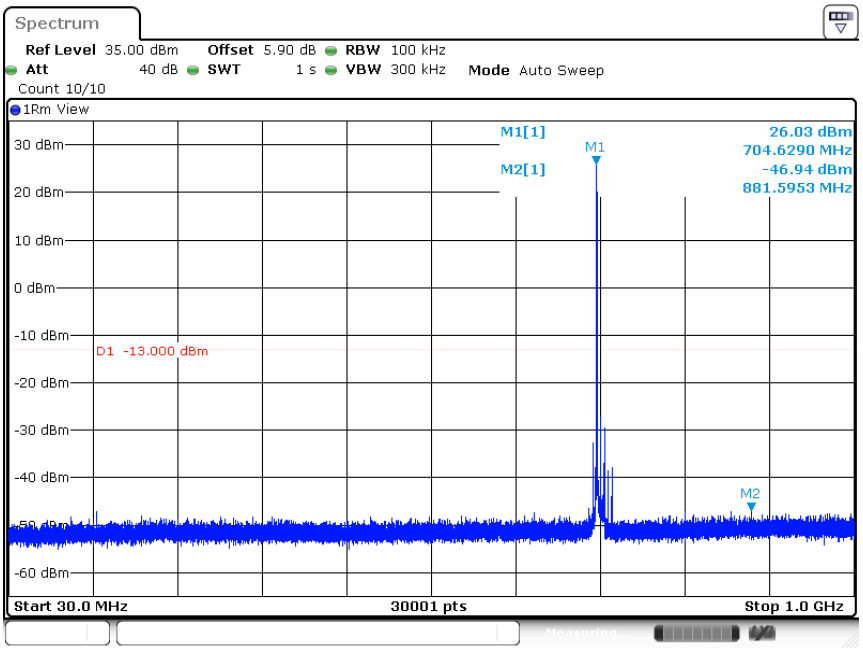
# 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

## 6.1. Test Plots

Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz

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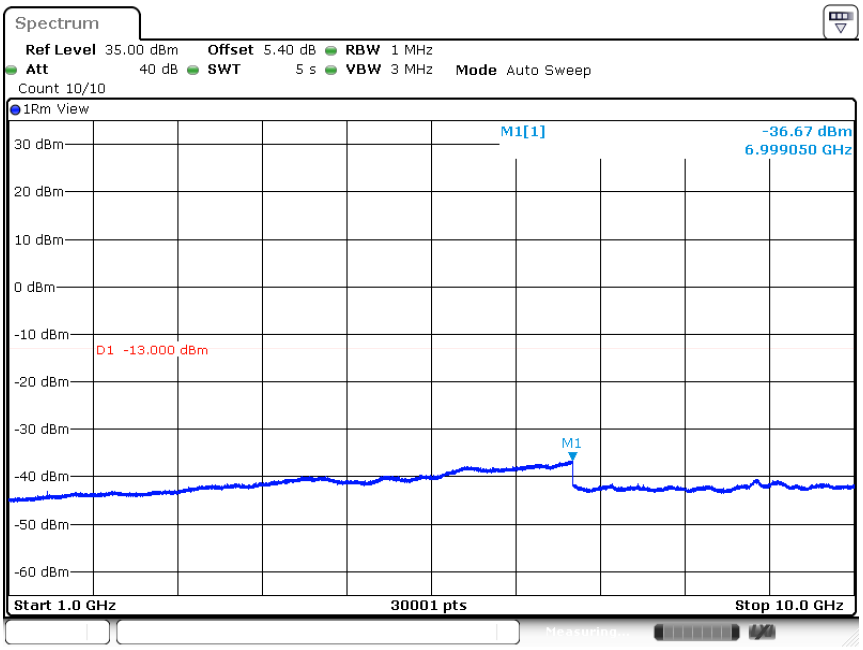
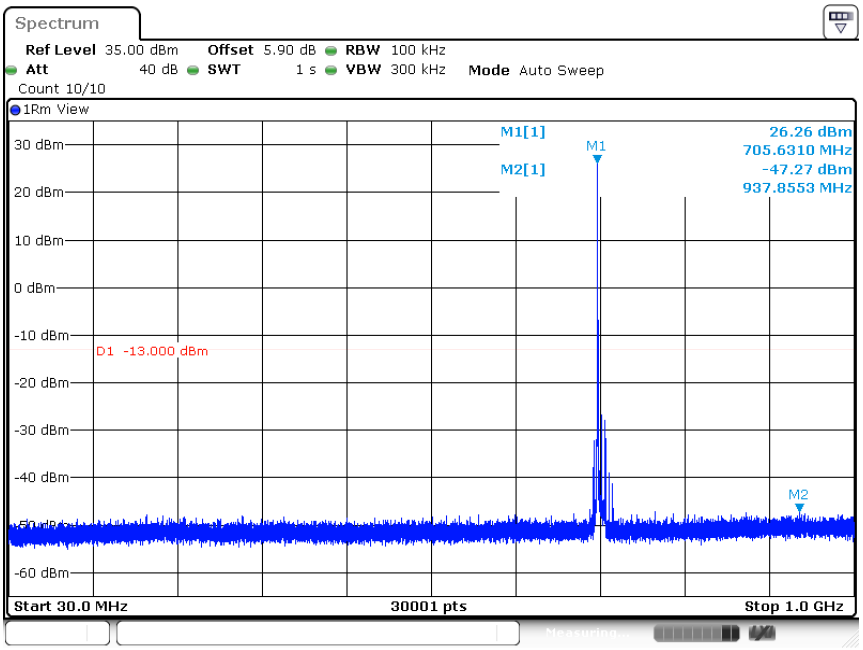
Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz




Date: 1.SEP.2020 20:41:07

Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz

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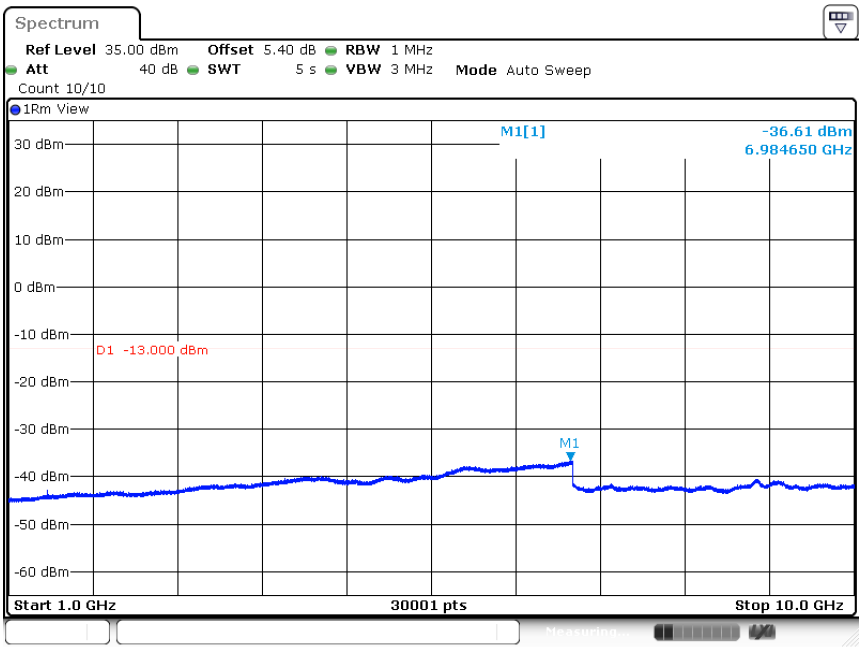
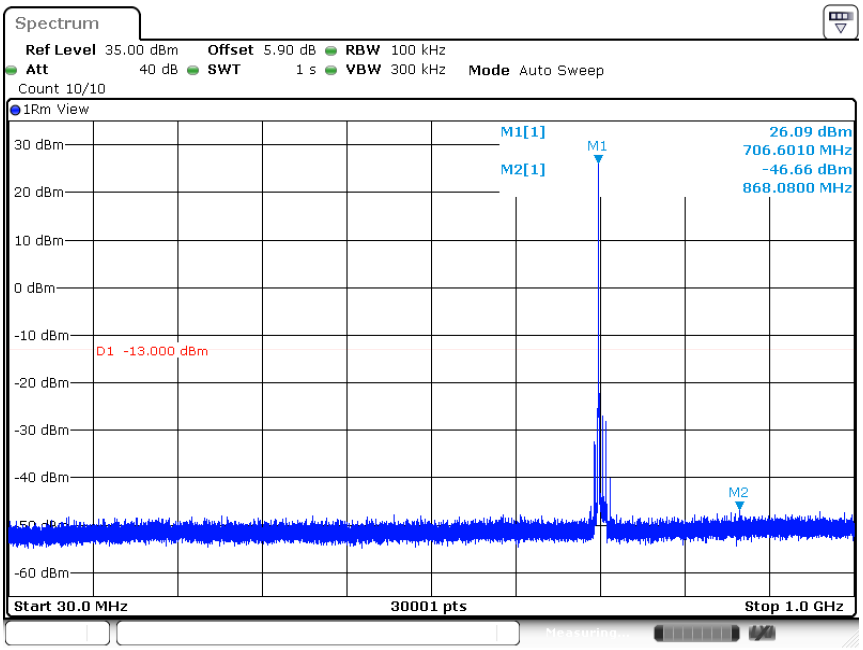
Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz




Date: 1.SEP.2020 20:43:29

Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz

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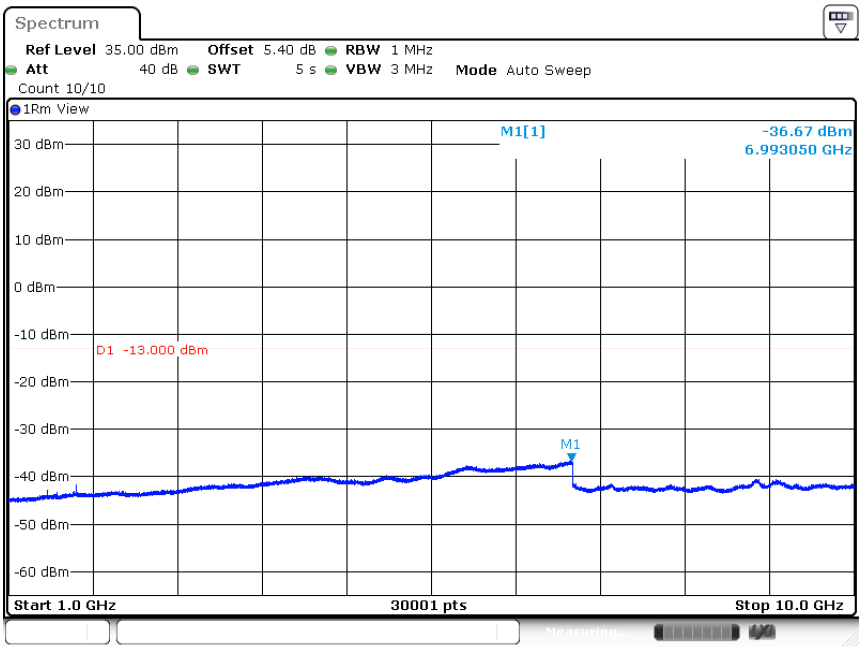
Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz

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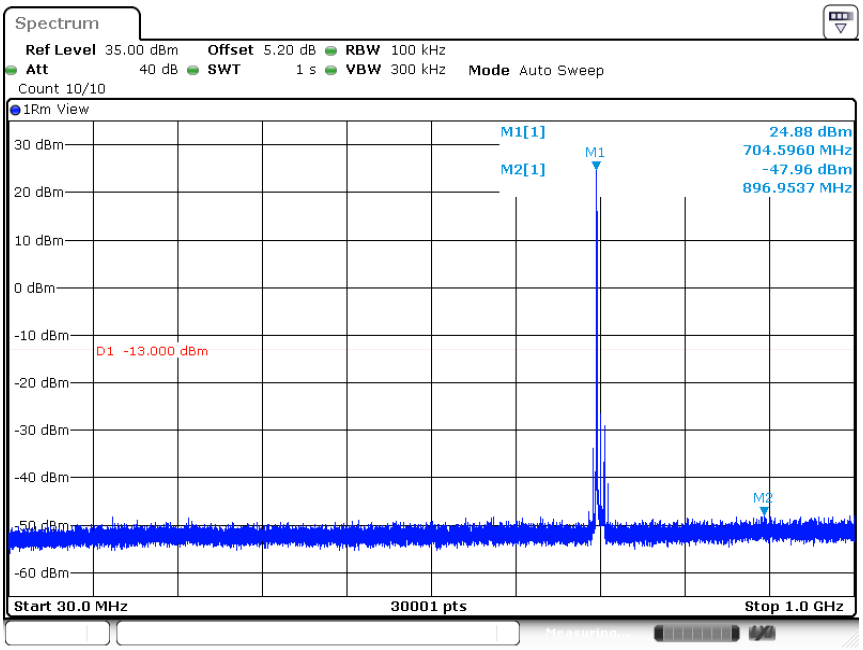


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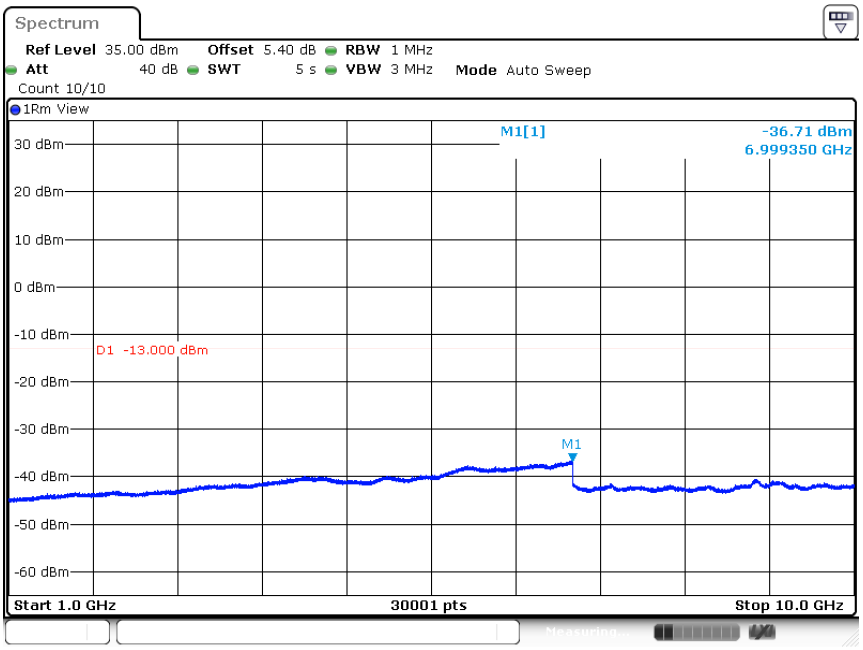
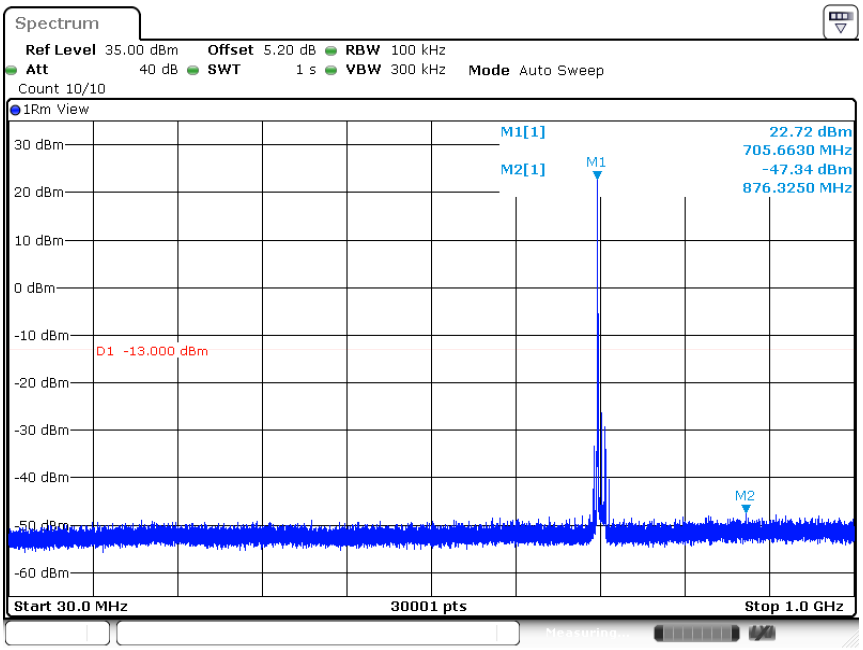
| Band17-10MHz-64QAM-23780-1RB#0-Range2:1000~10000MHz |
|---|




Date: 1.SEP.2020 21:09:44

| Band17-10MHz-64QAM-23790-1RB#0-Range1:30~1000MHz |
|---|




Date: 19.AUG.2020 09:04:34

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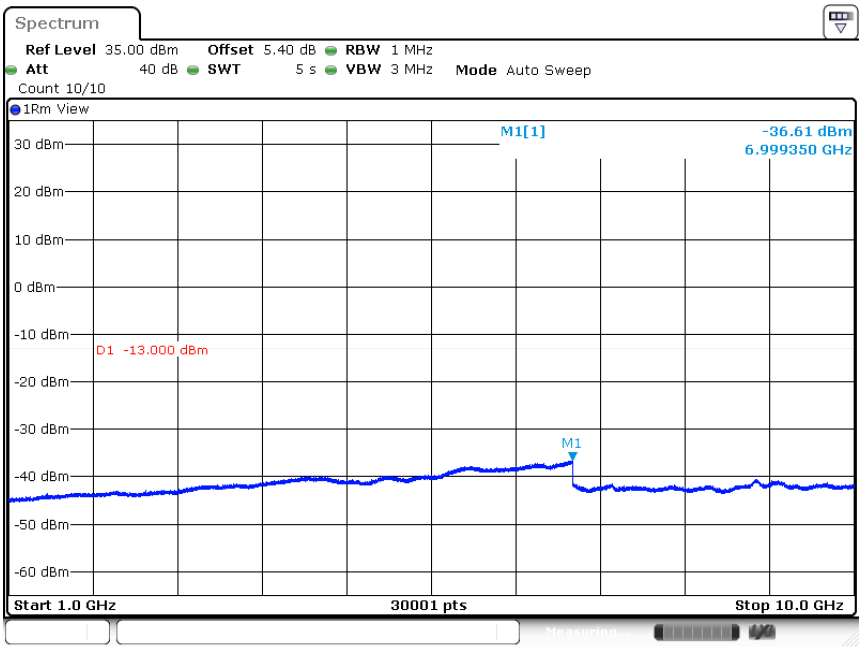
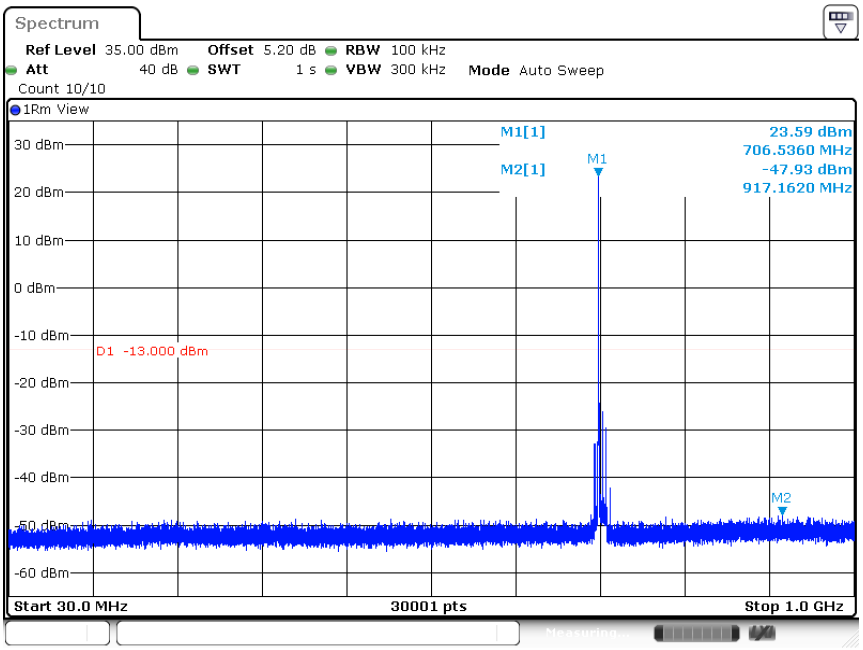
Band17-10MHz-64QAM-23790-1RB#0-Range2:1000~10000MHz




Date: 1.SEP.2020 21:10:55

Band17-10MHz-64QAM-23800-1RB#0-Range1:30~1000MHz




Date: 19.AUG.2020 09:06:01

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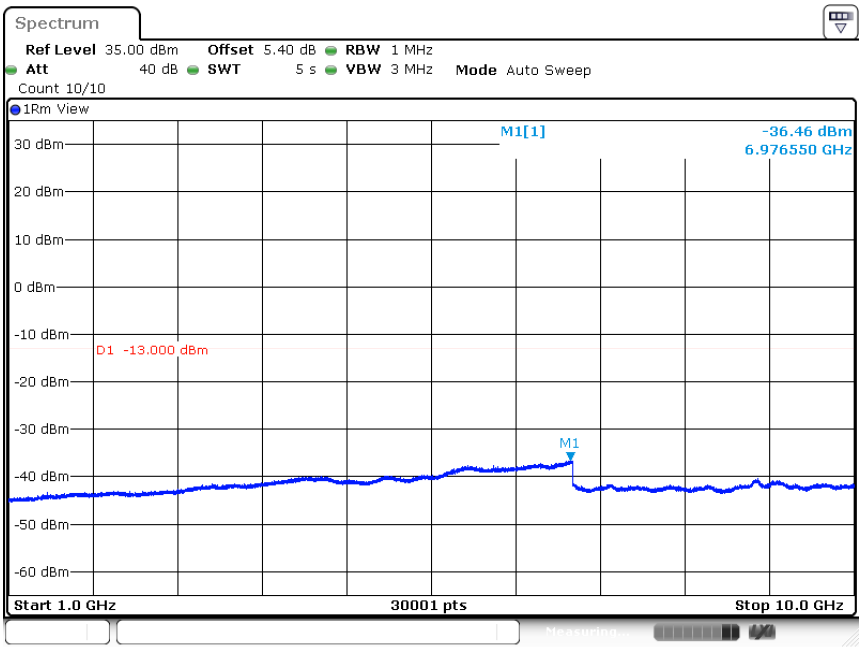


Date: 1.SEP.2020 21:12:05

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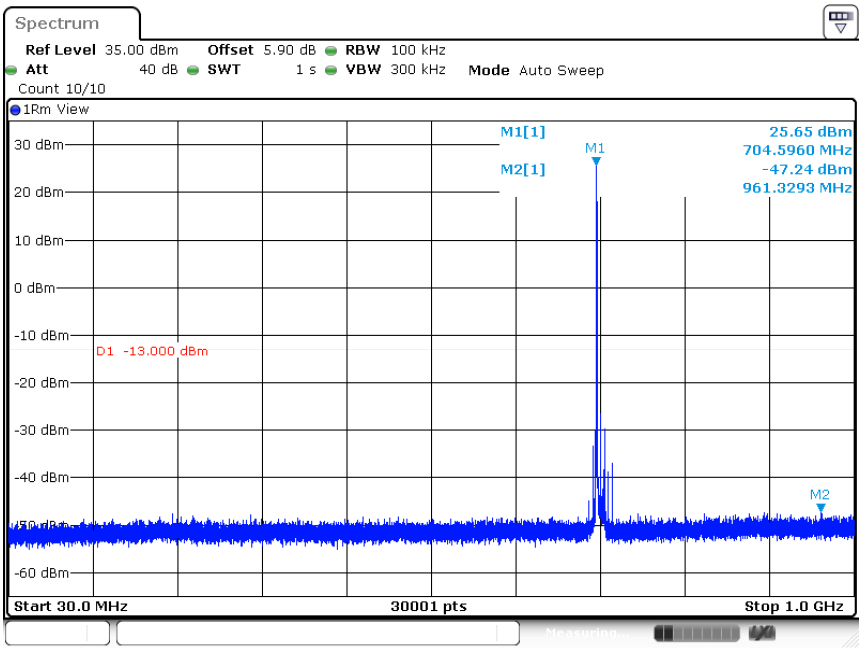


Date: 13.AUG.2020 09:20:04

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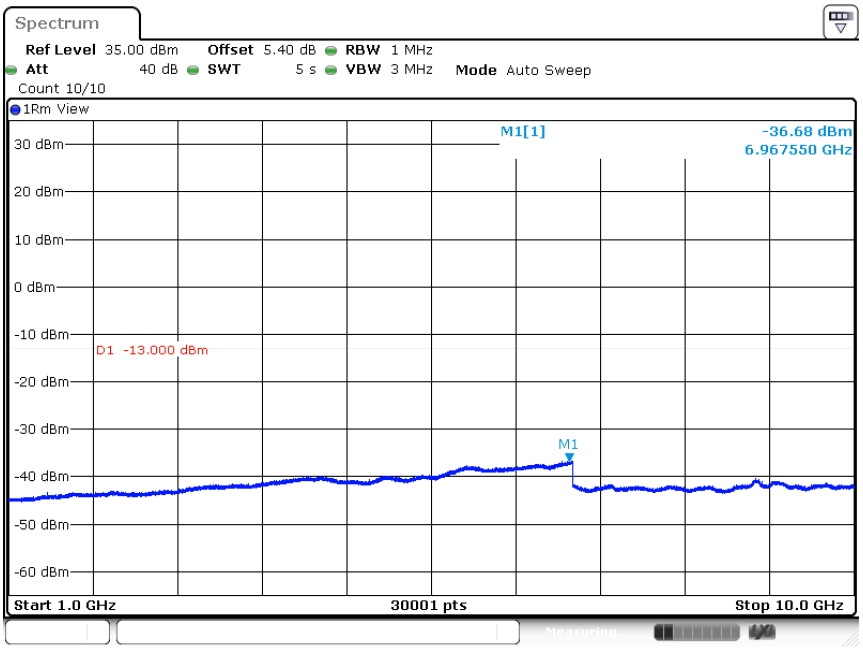
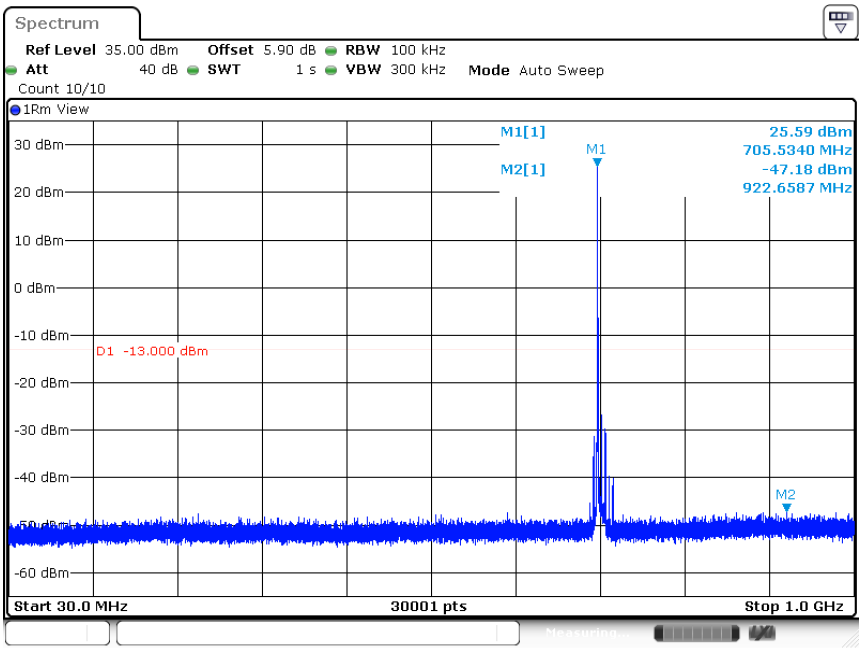



Date: 1.SEP.2020 20:42:18

Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz




Date: 13.AUG.2020 09:22:51

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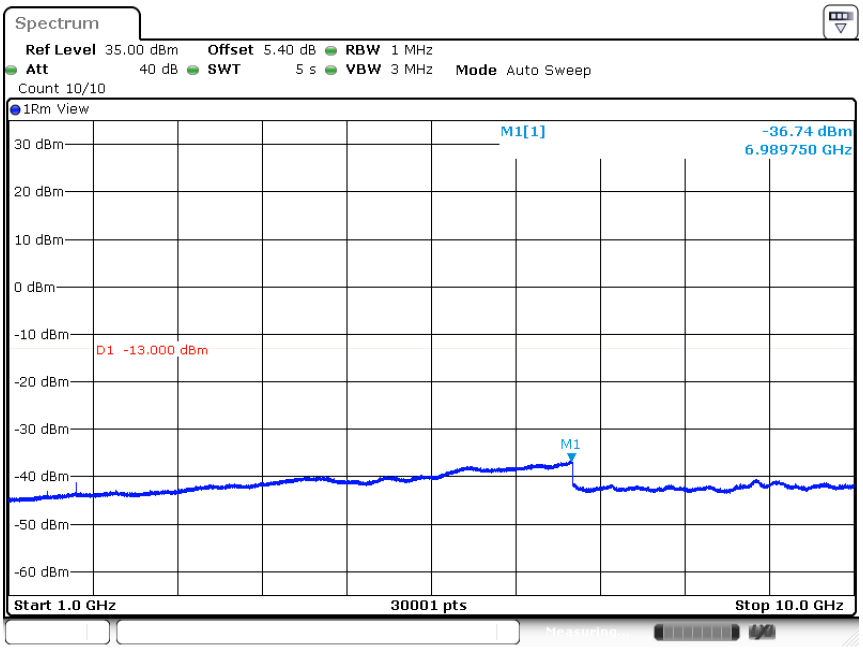


Date: 1.SEP.2020 20:44:40

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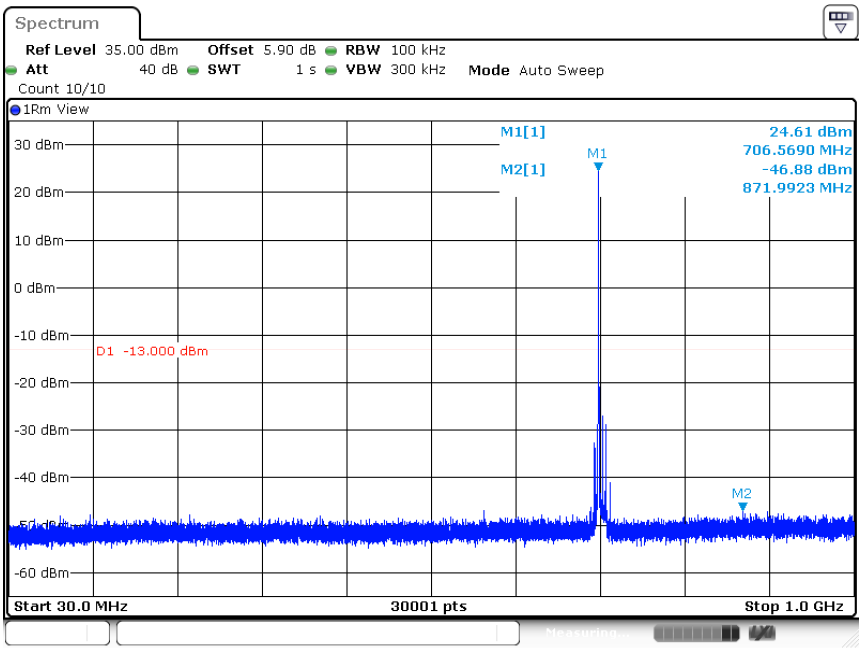


Date: 13.AUG.2020 09:25:39

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| Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz |
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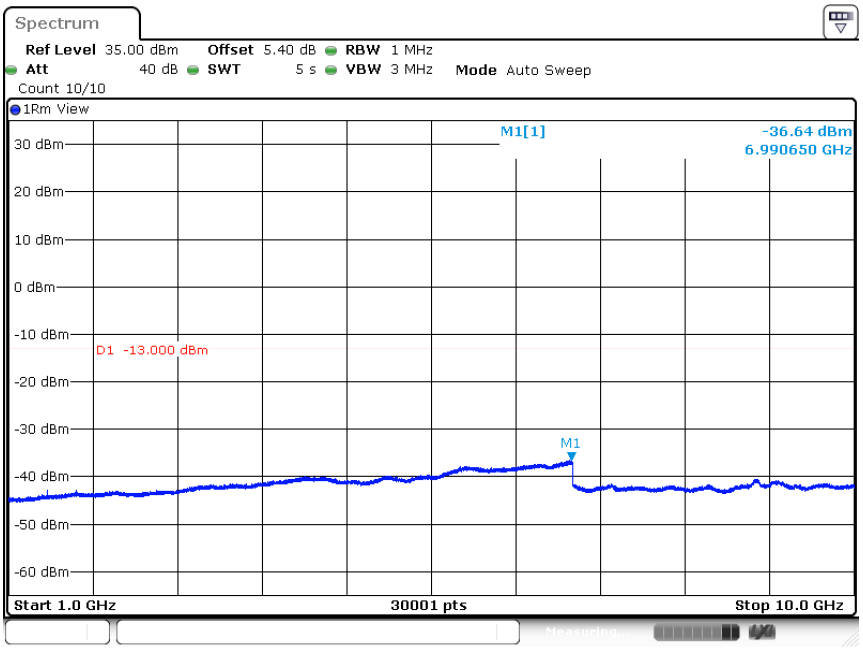
|  |



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# 7. Field Strength of Spurious Radiation

## 7.1. Test Mode =LTE/TM1 10MHz

### 7.1.1.Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 48.9644 | -70.35 | -13.00 | 57.35 | Vertical |
| 115.4128 | -65.60 | -13.00 | 52.60 | Vertical |
| 345.0233 | -69.08 | -13.00 | 56.08 | Vertical |
| 1408.8818 | -61.54 | -13.00 | 48.54 | Vertical |
| 2113.8228 | -51.70 | -13.00 | 38.70 | Vertical |
| 7378.2551 | -55.60 | -13.00 | 42.60 | Vertical |
| 44.8902 | -64.25 | -13.00 | 51.25 | Horizontal |
| 229.0055 | -68.09 | -13.00 | 55.09 | Horizontal |
| 1409.2819 | -54.97 | -13.00 | 41.97 | Horizontal |
| 2113.8228 | -45.28 | -13.00 | 32.28 | Horizontal |
| 3772.8309 | -60.88 | -13.00 | 47.88 | Horizontal |
| 7425.8570 | -56.33 | -13.00 | 43.33 | Horizontal |

### 7.1.2.Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 49.4495 | -70.34 | -13.00 | 57.34 | Vertical |
| 116.4798 | -65.44 | -13.00 | 52.44 | Vertical |
| 1411.2823 | -61.85 | -13.00 | 48.85 | Vertical |
| 2116.6233 | -47.36 | -13.00 | 34.36 | Vertical |
| 5091.9637 | -61.35 | -13.00 | 48.35 | Vertical |
| 9310.6124 | -52.44 | -13.00 | 39.44 | Vertical |
| 44.5022 | -64.59 | -13.00 | 51.59 | Horizontal |
| 240.2095 | -68.84 | -13.00 | 55.84 | Horizontal |
| 1410.8822 | -55.19 | -13.00 | 42.19 | Horizontal |
| 2117.0234 | -42.51 | -13.00 | 29.51 | Horizontal |
| 5114.0846 | -61.33 | -13.00 | 48.33 | Horizontal |
| 9315.9326 | -52.61 | -13.00 | 39.61 | Horizontal |

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## 7.1.3.Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|---|---|---|---|---|
| 48.2854 | -69.77 | -13.00 | 56.77 | Vertical |
| 112.9876 | -65.48 | -13.00 | 52.48 | Vertical |
| 301.0801 | -69.31 | -13.00 | 56.31 | Vertical |
| 1412.8826 | -60.48 | -13.00 | 47.48 | Vertical |
| 2119.8240 | -46.49 | -13.00 | 33.49 | Vertical |
| 7380.7752 | -55.59 | -13.00 | 42.59 | Vertical |
| 45.1813 | -64.23 | -13.00 | 51.23 | Horizontal |
| 106.1973 | -76.02 | -13.00 | 63.02 | Horizontal |
| 237.2024 | -68.66 | -13.00 | 55.66 | Horizontal |
| 1413.2827 | -53.05 | -13.00 | 40.05 | Horizontal |
| 2119.8240 | -37.34 | -13.00 | 24.34 | Horizontal |
| 3533.1413 | -56.69 | -13.00 | 43.69 | Horizontal |

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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# 8. Frequency Stability

## 8.1. Frequency Vs Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VL | NT | 1.50 | 0.002116 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VN | NT | 1.40 | 0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VH | NT | 2.10 | 0.002962 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VL | NT | 0.90 | 0.001268 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VN | NT | 1.70 | 0.002394 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VH | NT | 3.60 | 0.005070 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VL | NT | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VN | NT | -1.10 | -0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VH | NT | 0.40 | 0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VL | NT | -0.60 | -0.000846 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VN | NT | -0.20 | -0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VH | NT | 1.70 | 0.002398 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VL | NT | 2.40 | 0.003380 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VN | NT | 2.20 | 0.003099 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VH | NT | 2.10 | 0.002958 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VL | NT | 0.30 | 0.000422 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VN | NT | 0.10 | 0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VH | NT | 0.40 | 0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VL | NT | 1.10 | 0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VN | NT | 1.30 | 0.001834 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VH | NT | 2.30 | 0.003244 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VL | NT | 1.80 | 0.002535 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VN | NT | 1.30 | 0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VH | NT | 2.10 | 0.002958 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VL | NT | 1.10 | 0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VN | NT | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VH | NT | -1.70 | -0.002391 | ±2.5 | PASS |

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## 8.2. Frequency Vs Temperature

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -30 | -1.60 | -0.002257 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -20 | -0.60 | -0.000846 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -10 | 1.90 | 0.002680 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 0 | -0.50 | -0.000705 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 10 | 0.40 | 0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 20 | -1.70 | -0.002398 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 30 | -1.70 | -0.002398 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 40 | -1.50 | -0.002116 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 50 | -0.70 | -0.000987 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -30 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -20 | -1.30 | -0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -10 | 0.30 | 0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 0 | -1.50 | -0.002113 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 10 | -2.40 | -0.003380 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 20 | 0.30 | 0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 30 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 40 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 50 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -30 | -1.50 | -0.002110 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -20 | -0.30 | -0.000422 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -10 | -1.70 | -0.002391 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 0 | -2.20 | -0.003094 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 10 | -0.20 | -0.000281 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 20 | -1.20 | -0.001688 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 30 | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 40 | -1.40 | -0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 50 | -1.40 | -0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -30 | 1.60 | 0.002257 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -20 | 1.30 | 0.001834 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -10 | -0.90 | -0.001269 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 0 | 1.00 | 0.001410 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 10 | 0.30 | 0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 20 | 1.20 | 0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 30 | 0.50 | 0.000705 | ±2.5 | PASS |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 40 | 1.20 | 0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 50 | 1.20 | 0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -30 | 1.30 | 0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -20 | 0.80 | 0.001127 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -10 | 0.50 | 0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 0 | -0.50 | -0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 10 | 1.00 | 0.001408 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 20 | 0.50 | 0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 30 | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 40 | 0.50 | 0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 50 | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -30 | 0.70 | 0.000985 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -20 | 0.40 | 0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -10 | -0.30 | -0.000422 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 0 | -0.70 | -0.000985 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 10 | -1.30 | -0.001828 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 20 | -0.60 | -0.000844 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 30 | -1.80 | -0.002532 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 40 | -0.80 | -0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 50 | -0.90 | -0.001266 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -30 | -0.40 | -0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -20 | -1.30 | -0.001834 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -10 | 0.60 | 0.000846 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 0 | -0.80 | -0.001128 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 10 | -1.00 | -0.001410 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 20 | -1.30 | -0.001834 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 30 | 0.50 | 0.000705 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 40 | -1.10 | -0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 50 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -30 | 1.30 | 0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -20 | 2.30 | 0.003239 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -10 | 1.30 | 0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 0 | 2.30 | 0.003239 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 10 | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 20 | 1.70 | 0.002394 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 30 | 1.10 | 0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 40 | 1.60 | 0.002254 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 50 | -0.50 | -0.000704 | ±2.5 | PASS |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -30 | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -20 | -2.10 | -0.002954 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -10 | -1.10 | -0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 0 | -1.60 | -0.002250 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 10 | -0.70 | -0.000985 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 20 | -1.00 | -0.001406 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 30 | -1.40 | -0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 40 | -2.70 | -0.003797 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 50 | -1.50 | -0.002110 | ±2.5 | PASS |

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