



Appendix B

E-UTRA Band 17



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CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 4

1.1. TEST RESULT 4

2. PEAK-TO-AVERAGE RATIO (CCDF)12

2.1. TEST RESULT 12

2.2. TEST PLOTS..... 12

3. MODULATION CHARACTERISTICS18

3.1. TEST MODE = LTE /TM1 10MHZ..... 18

3.1.1. TEST CHANNEL = MCH..... 18

3.2. TEST MODE = LTE /TM2 10MHZ..... 19

3.2.1. TEST CHANNEL = MCH..... 19

3.3. TEST MODE = LTE /TM3 10MHZ..... 20

3.3.1. TEST CHANNEL = MCH..... 20

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH21

4.1. TEST RESULT 21

4.2. TEST PLOTS..... 22

5. BAND EDGE COMPLIANCE31

5.1. TEST PLOTS..... 31

6. SPURIOUS EMISSION AT ANTENNA TERMINAL44

6.1. TEST PLOTS..... 44

7. FIELD STRENGTH OF SPURIOUS RADIATION.....51

7.1. TEST MODE =LTE/TM1 10MHZ(ANT1)..... 51

7.1.1. TEST CHANNEL = LCH 51

7.1.2. TEST CHANNEL = MCH..... 51

7.1.3. TEST CHANNEL = HCH..... 52

7.2. TEST MODE =LTE/TM1 10MHZ(ANT0)..... 52

7.2.1. TEST CHANNEL = LCH 52

7.2.2. TEST CHANNEL = MCH..... 53

7.2.3. TEST CHANNEL = HCH..... 53



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8. FREQUENCY STABILITY.....54

8.1. FREQUENCY VS VOLTAGE 54

8.2. FREQUENCY VS TEMPERATURE 55



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT1:

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 23.65 | 18.80 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 23.98 | 19.13 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 23.90 | 19.05 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.86 | 18.01 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.90 | 18.05 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.96 | 18.11 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.94 | 18.09 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 23.76 | 18.91 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 23.83 | 18.98 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 23.82 | 18.97 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.80 | 17.95 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 22.84 | 17.99 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.81 | 17.96 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.88 | 18.03 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 23.73 | 18.88 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 23.75 | 18.90 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 23.83 | 18.98 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.73 | 17.88 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 22.80 | 17.95 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 22.84 | 17.99 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 22.77 | 17.92 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 23.33 | 18.48 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 23.09 | 18.24 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 23.40 | 18.55 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.82 | 16.97 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.82 | 16.97 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 22.08 | 17.23 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 21.90 | 17.05 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 23.23 | 18.38 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 23.16 | 18.31 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 23.16 | 18.31 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 21.85 | 17.00 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 21.77 | 16.92 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.90 | 17.05 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.80 | 16.95 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 23.27 | 18.42 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 23.23 | 18.38 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 23.13 | 18.28 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.79 | 16.94 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.88 | 17.03 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 21.81 | 16.96 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 21.87 | 17.02 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | 21.88 | 17.03 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#12 | 21.99 | 17.14 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#24 | 21.85 | 17.00 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#0 | 20.91 | 16.06 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#6 | 20.74 | 15.89 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#13 | 20.92 | 16.07 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 20.90 | 16.05 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#0 | 21.84 | 16.99 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#12 | 21.94 | 17.09 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#24 | 21.99 | 17.14 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#0 | 20.75 | 15.90 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#6 | 20.82 | 15.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#13 | 20.86 | 16.01 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 20.99 | 16.14 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#0 | 21.77 | 16.92 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#12 | 21.76 | 16.91 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | 21.91 | 17.06 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#0 | 20.94 | 16.09 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#6 | 20.85 | 16.00 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#13 | 20.87 | 16.02 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 20.77 | 15.92 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 23.75 | 18.90 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 23.65 | 18.80 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 23.54 | 18.69 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 22.84 | 17.99 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.94 | 18.09 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.90 | 18.05 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.92 | 18.07 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 23.74 | 18.89 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 23.73 | 18.88 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 23.87 | 19.02 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.87 | 18.02 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 22.92 | 18.07 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 22.91 | 18.06 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.88 | 18.03 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 23.73 | 18.88 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 23.78 | 18.93 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 23.81 | 18.96 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.82 | 17.97 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.88 | 18.03 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.90 | 18.05 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.83 | 17.98 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 23.09 | 18.24 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 23.01 | 18.16 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 23.31 | 18.46 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 21.76 | 16.91 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 21.93 | 17.08 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 22.08 | 17.23 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.93 | 17.08 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 22.77 | 17.92 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 23.33 | 18.48 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 23.10 | 18.25 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 21.77 | 16.92 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 21.82 | 16.97 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.98 | 17.13 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.80 | 16.95 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 23.00 | 18.15 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 23.32 | 18.47 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 23.08 | 18.23 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 21.74 | 16.89 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.96 | 17.11 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 21.92 | 17.07 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.82 | 16.97 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | 21.83 | 16.98 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#24 | 21.86 | 17.01 | 34.77 | PASS |



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|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | 64QAM | 23780 | 1RB#49 | 21.90 | 17.05 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#0 | 20.88 | 16.03 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#12 | 20.91 | 16.06 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#25 | 20.74 | 15.89 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 20.80 | 15.95 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#0 | 21.81 | 16.96 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#24 | 21.90 | 17.05 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#49 | 21.91 | 17.06 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#0 | 20.99 | 16.14 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#12 | 20.83 | 15.98 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#25 | 20.90 | 16.05 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 20.96 | 16.11 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#0 | 21.80 | 16.95 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#24 | 21.78 | 16.93 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | 21.95 | 17.10 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#0 | 20.74 | 15.89 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#12 | 20.81 | 15.96 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#25 | 20.81 | 15.96 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 20.96 | 16.11 | 34.77 | PASS |



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ANTO:

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 23.67 | 14.62 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 23.69 | 14.64 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 23.70 | 14.65 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.75 | 13.70 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.82 | 13.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.78 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.78 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 23.50 | 14.45 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 23.69 | 14.64 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 23.73 | 14.68 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.63 | 13.58 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 22.66 | 13.61 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.77 | 13.72 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.68 | 13.63 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 23.57 | 14.52 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 23.62 | 14.57 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 23.59 | 14.54 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.71 | 13.66 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 22.65 | 13.60 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 22.67 | 13.62 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 22.64 | 13.59 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 23.01 | 13.96 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 23.14 | 14.09 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 23.06 | 14.01 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.65 | 12.60 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.77 | 12.72 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 21.79 | 12.74 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 21.79 | 12.74 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 22.80 | 13.75 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 23.17 | 14.12 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 23.27 | 14.22 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 21.72 | 12.67 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 21.60 | 12.55 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.63 | 12.58 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.64 | 12.59 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 22.78 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 22.63 | 13.58 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 23.18 | 14.13 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.67 | 12.62 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.72 | 12.67 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 21.61 | 12.56 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 21.59 | 12.54 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | 21.69 | 12.64 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#12 | 21.81 | 12.76 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#24 | 21.65 | 12.60 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#0 | 21.00 | 11.95 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#6 | 21.10 | 12.05 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#13 | 20.99 | 11.94 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 21.03 | 11.98 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#0 | 21.60 | 12.55 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#12 | 21.56 | 12.51 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#24 | 21.79 | 12.74 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#0 | 21.03 | 11.98 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#6 | 20.99 | 11.94 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#13 | 21.10 | 12.05 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 21.05 | 12.00 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#0 | 21.82 | 12.77 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#12 | 21.60 | 12.55 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | 21.70 | 12.65 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#0 | 21.11 | 12.06 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#6 | 21.07 | 12.02 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#13 | 21.02 | 11.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 21.05 | 12.00 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 23.68 | 14.63 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 23.81 | 14.76 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 23.46 | 14.41 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 22.70 | 13.65 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.75 | 13.70 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.81 | 13.76 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.62 | 13.57 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 23.58 | 14.53 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 23.84 | 14.79 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 23.46 | 14.41 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.65 | 13.60 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 22.69 | 13.64 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 22.64 | 13.59 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.64 | 13.59 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 23.52 | 14.47 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 23.54 | 14.49 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 23.65 | 14.60 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.62 | 13.57 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.85 | 13.80 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.79 | 13.74 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.59 | 13.54 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 22.99 | 13.94 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 22.75 | 13.70 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 23.10 | 14.05 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 21.62 | 12.57 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 21.78 | 12.73 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 21.61 | 12.56 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.75 | 12.70 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 23.35 | 14.30 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 22.65 | 13.60 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 23.11 | 14.06 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 21.71 | 12.66 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 21.59 | 12.54 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.64 | 12.59 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.64 | 12.59 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 23.32 | 14.27 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 22.80 | 13.75 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 22.93 | 13.88 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 21.65 | 12.60 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.74 | 12.69 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 21.65 | 12.60 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.68 | 12.63 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | 21.57 | 12.52 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#24 | 21.65 | 12.60 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#49 | 21.75 | 12.70 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#0 | 21.03 | 11.98 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#12 | 21.09 | 12.04 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#25 | 21.04 | 11.99 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 20.99 | 11.94 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#0 | 21.77 | 12.72 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#24 | 21.78 | 12.73 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#49 | 21.70 | 12.65 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#0 | 21.03 | 11.98 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#12 | 21.12 | 12.07 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#25 | 21.04 | 11.99 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 21.05 | 12.00 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#0 | 21.73 | 12.68 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#24 | 21.79 | 12.74 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | 21.63 | 12.58 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#0 | 20.98 | 11.93 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#12 | 21.06 | 12.01 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#25 | 21.08 | 12.03 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 21.06 | 12.01 | 34.77 | PASS |

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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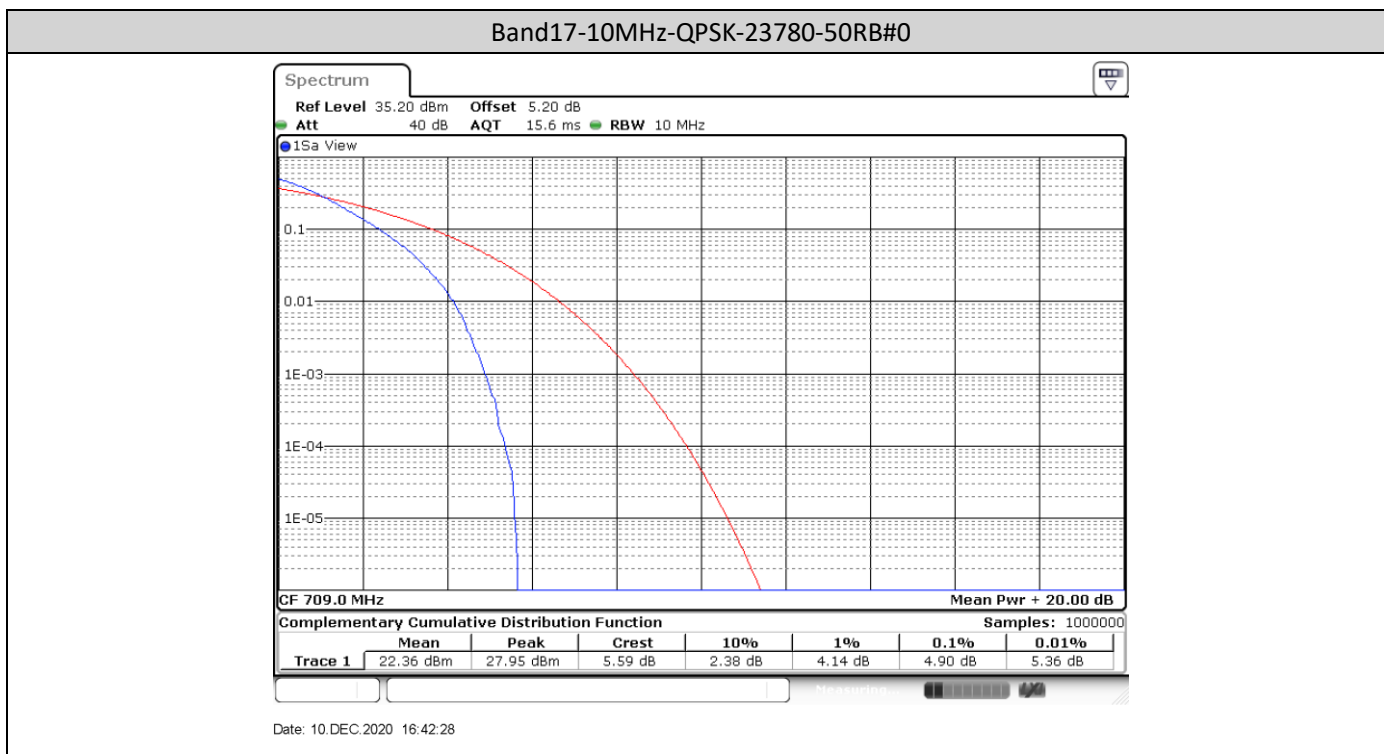


2. Peak-to-Average Ratio (CCDF)

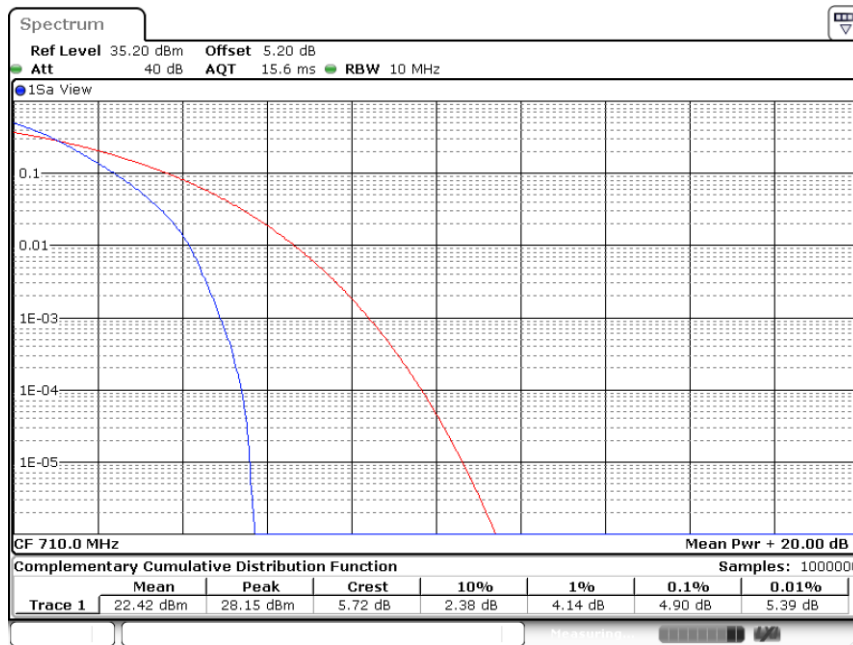
2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 4.90 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 4.90 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 4.87 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 5.86 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 5.88 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 5.91 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 5.94 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 6.03 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 6.06 | 13 | PASS |

2.2. Test Plots

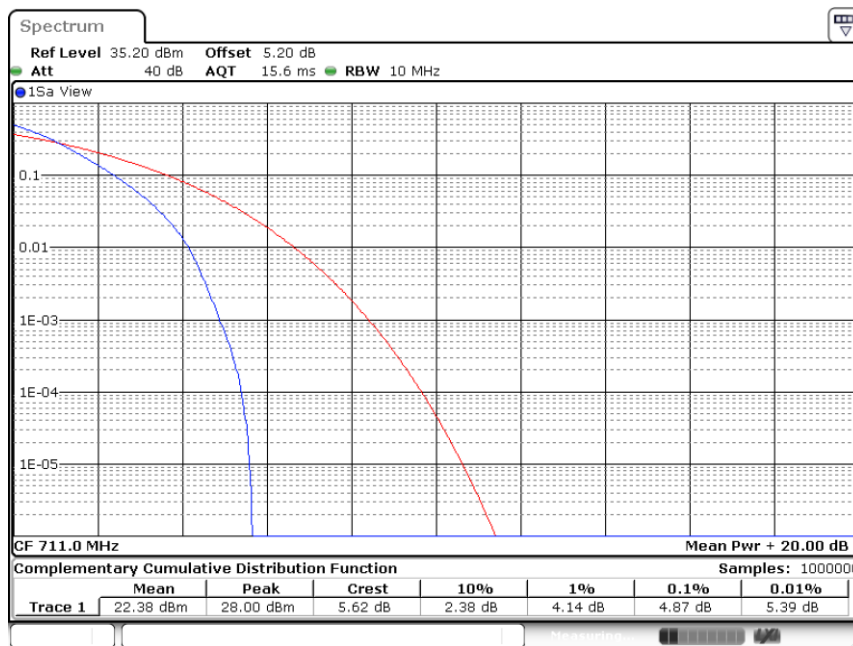


Band17-10MHz-QPSK-23790-50RB#0



Date: 10.DEC.2020 16:42:51

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



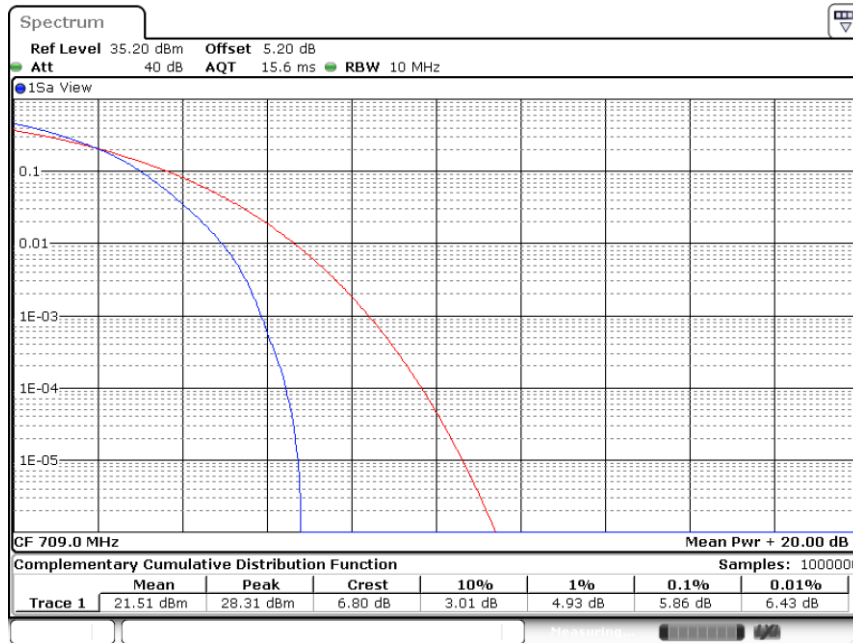
Date: 10.DEC.2020 16:43:13



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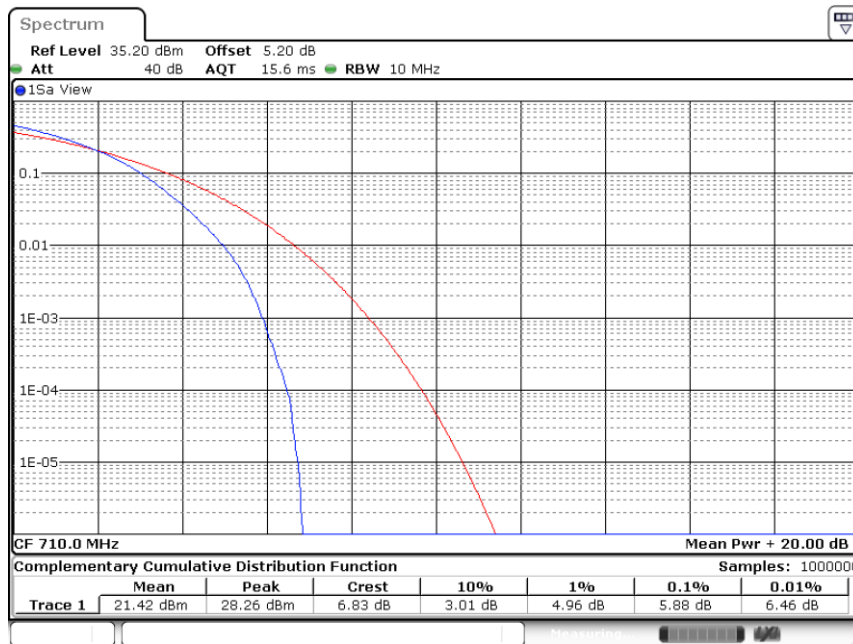
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Band17-10MHz-16QAM-23780-50RB#0



Date: 10.DEC.2020 16:42:39

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



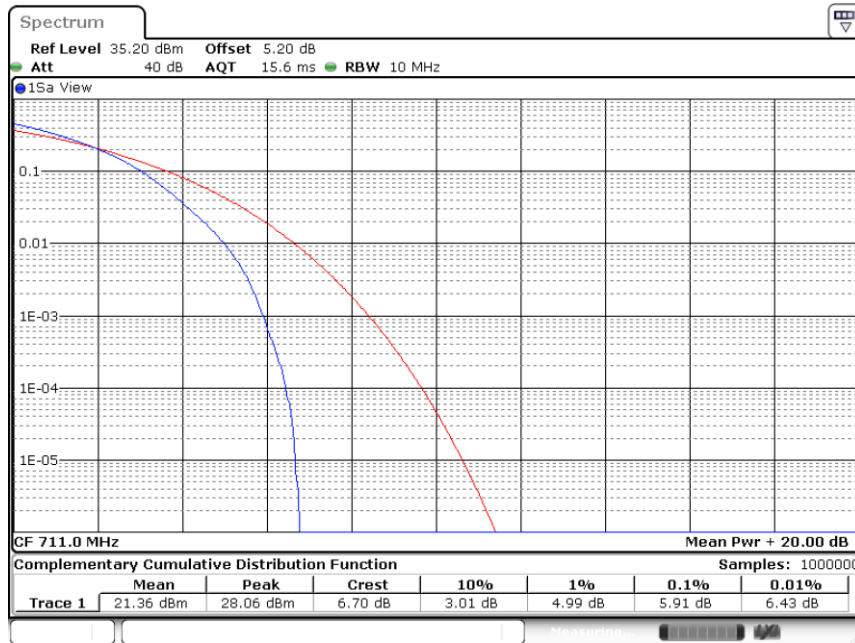
Date: 10.DEC.2020 16:43:02



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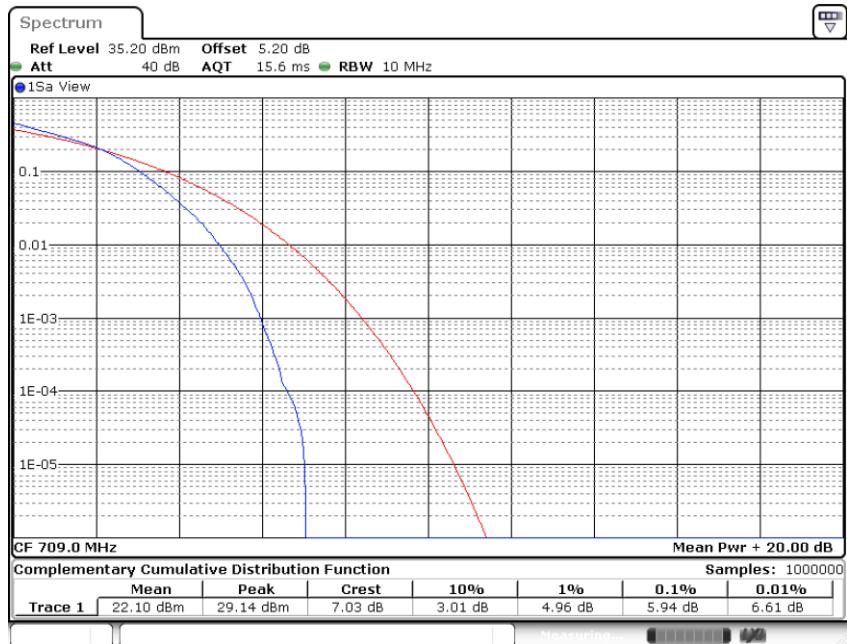
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Band17-10MHz-16QAM-23800-50RB#0



Date: 10.DEC.2020 16:43:25

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

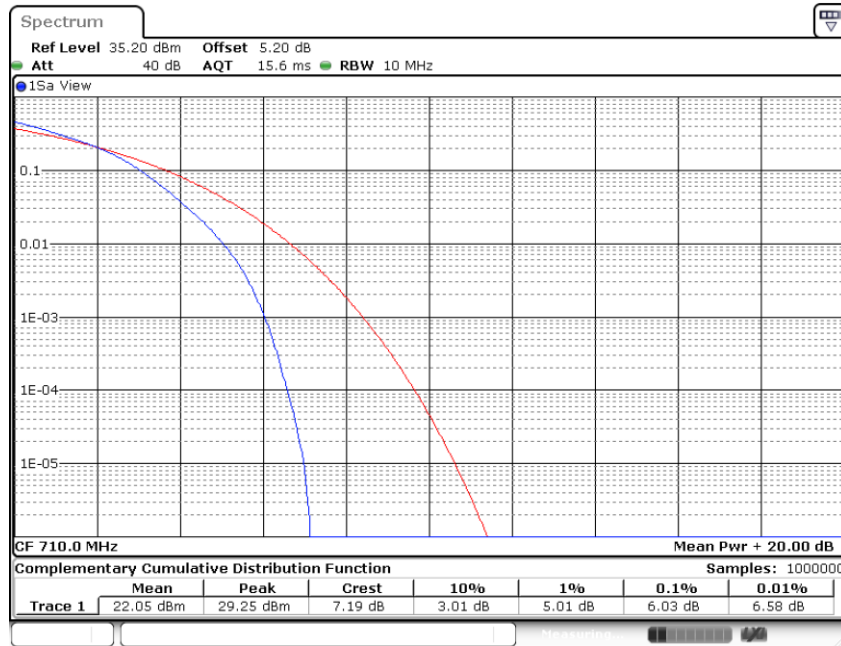


Date: 4.JAN.2021 14:04:04



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

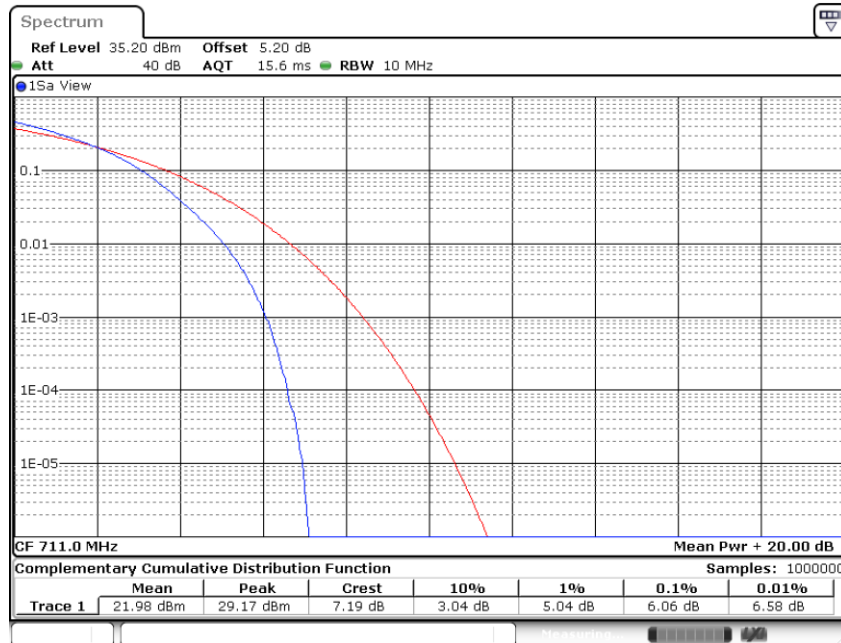


Date: 4 JAN 2021 14:04:15



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



Date: 4 JAN 2021 14:04:27

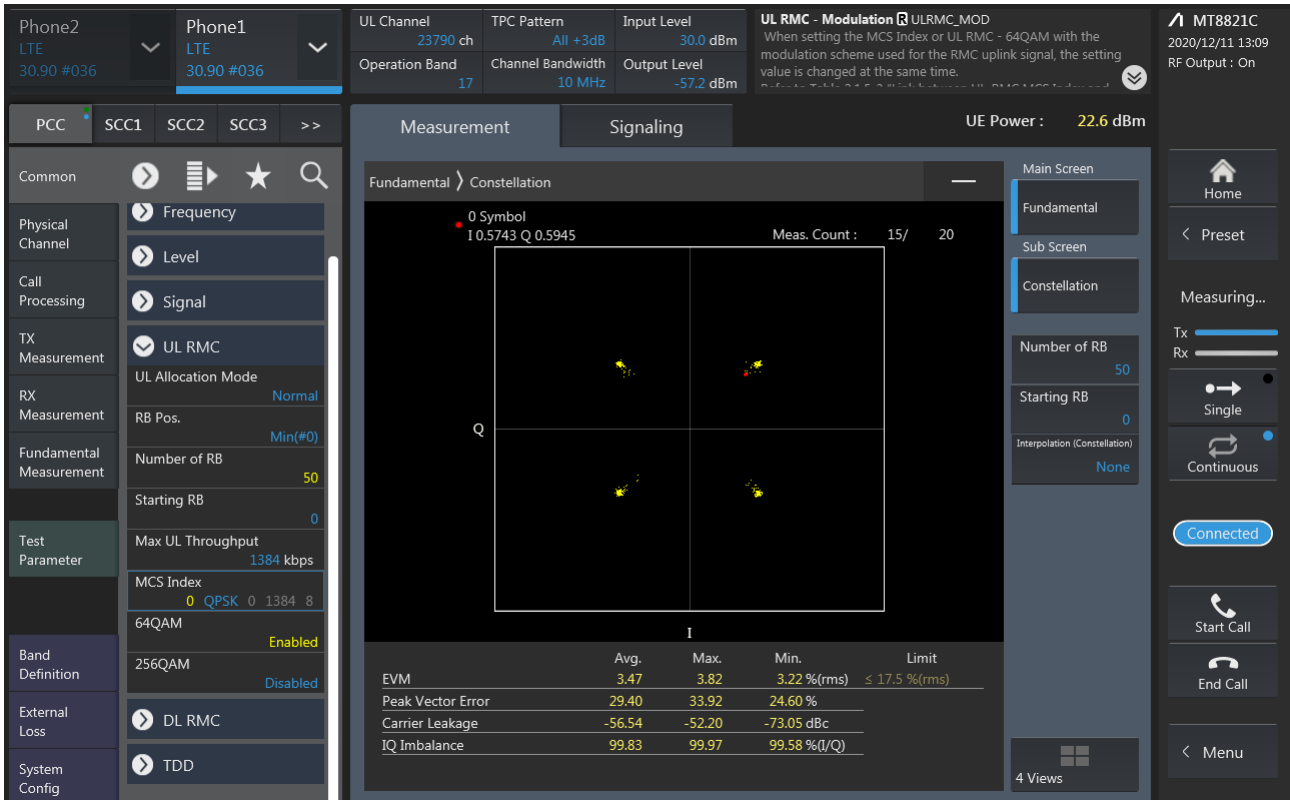


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



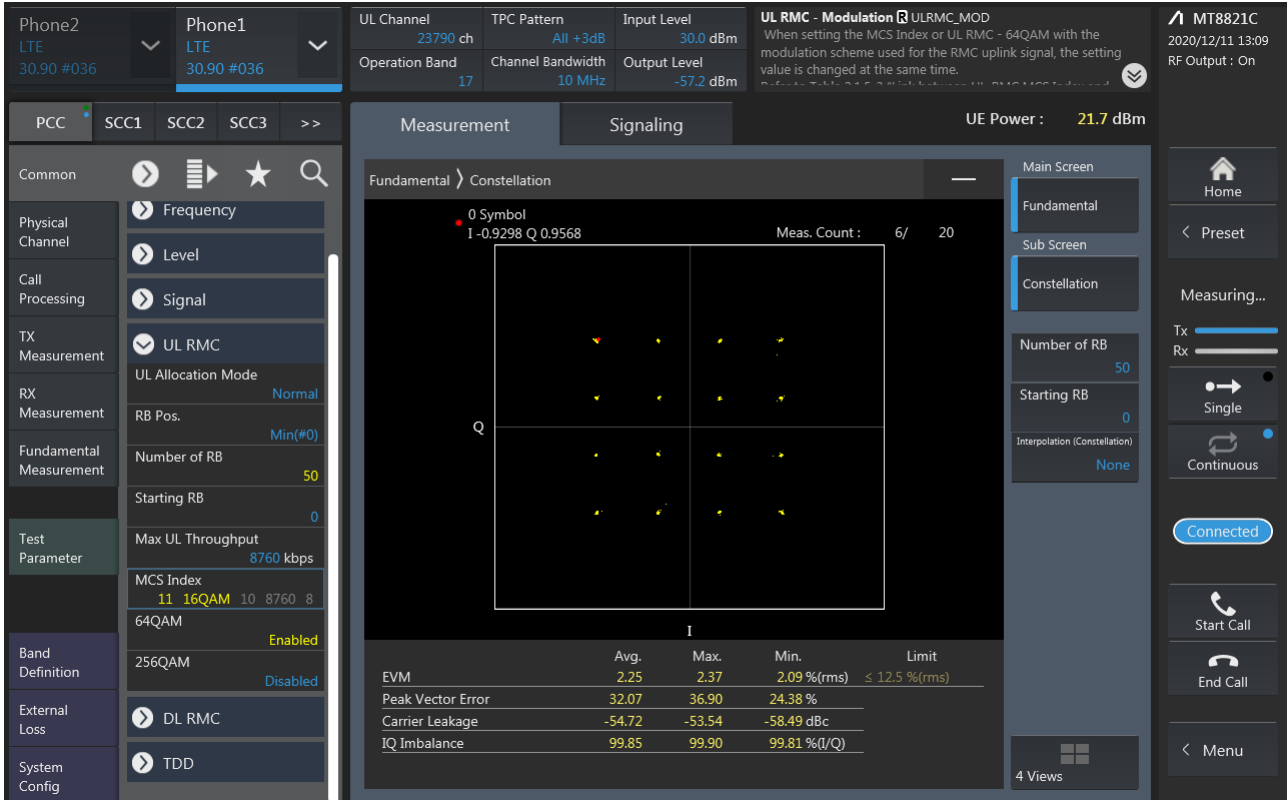
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3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH

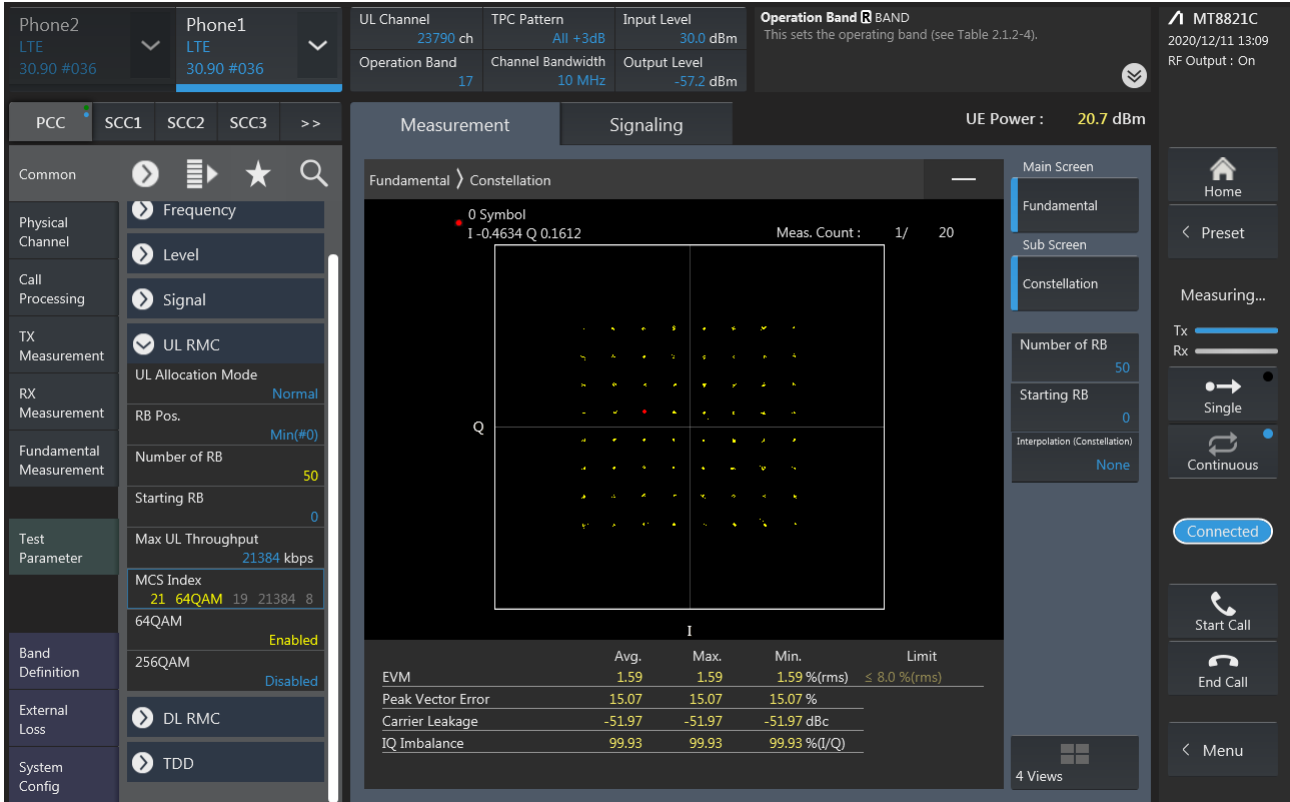


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3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH



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 | 4.900 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 4.476 | 4.880 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 4.466 | 4.900 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 4.476 | 4.890 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 4.476 | 4.880 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 4.466 | 4.870 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 4.476 | 4.930 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 4.486 | 4.920 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 4.486 | 4.900 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 8.891 | 9.640 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 8.891 | 9.600 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 8.911 | 9.580 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 8.911 | 9.640 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 8.911 | 9.580 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 8.931 | 9.720 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 8.911 | 9.620 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 8.911 | 9.660 | PASS |

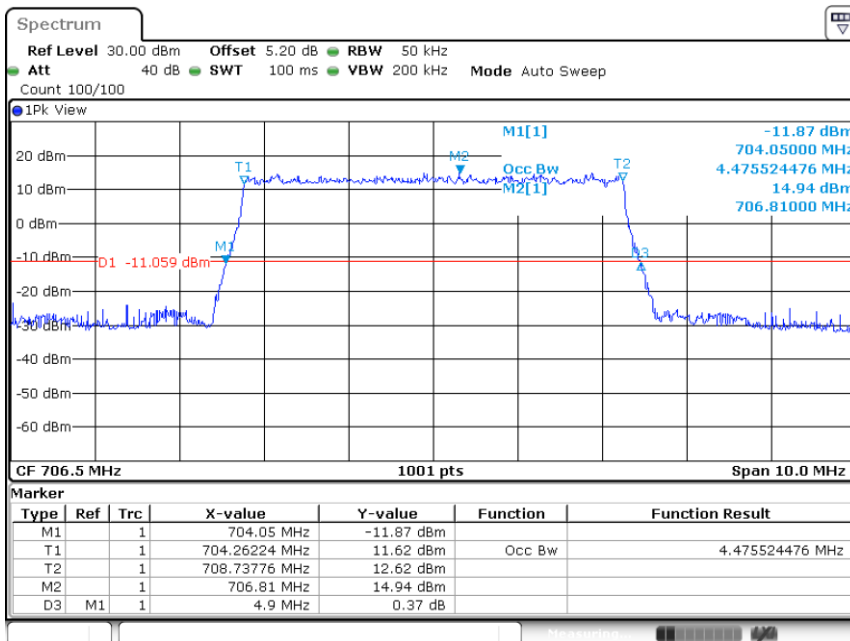


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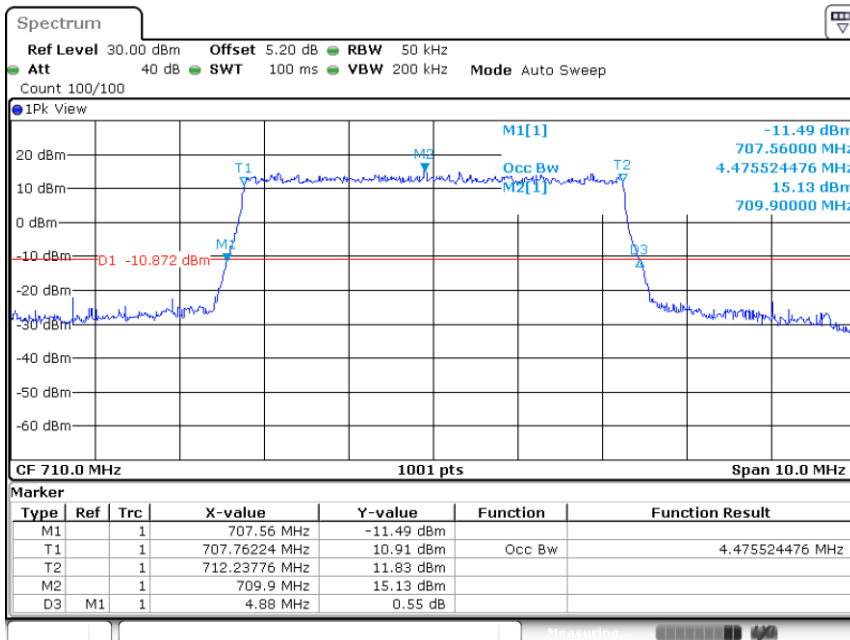
4.2. Test Plots

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



Date: 10.DEC.2020 16:24:33

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

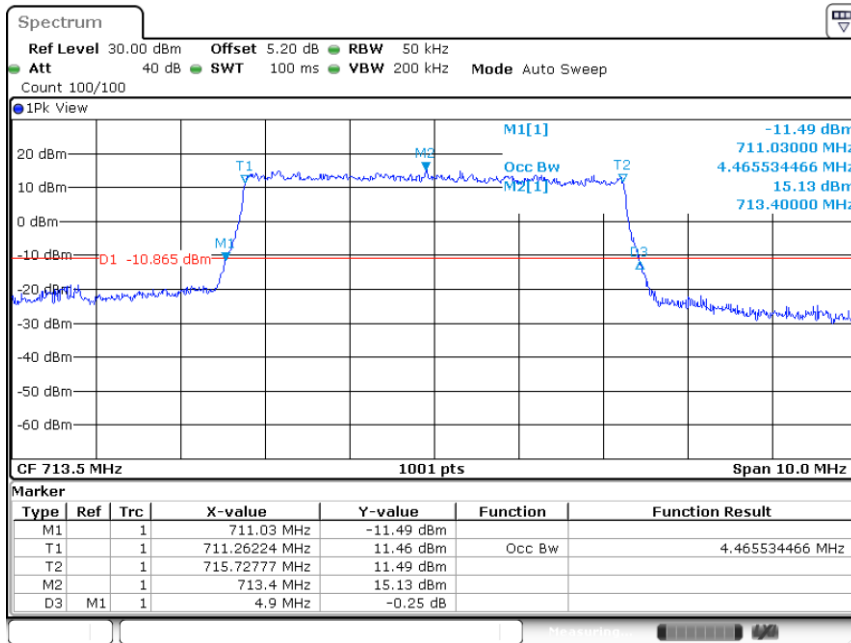


Date: 10.DEC.2020 16:25:14



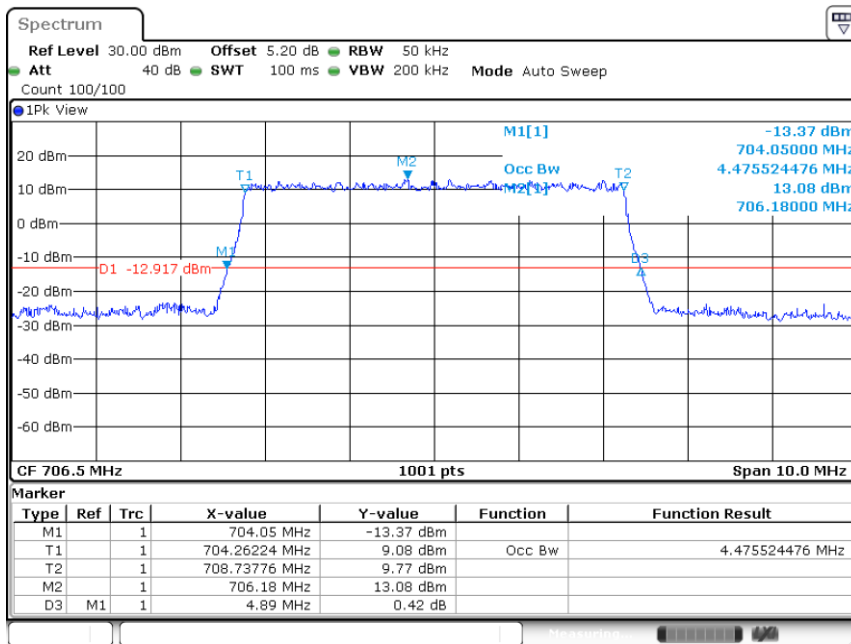
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Band17-5MHz-QPSK-23825-25RB#0-4.466



Date: 10.DEC.2020 16:25:53

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

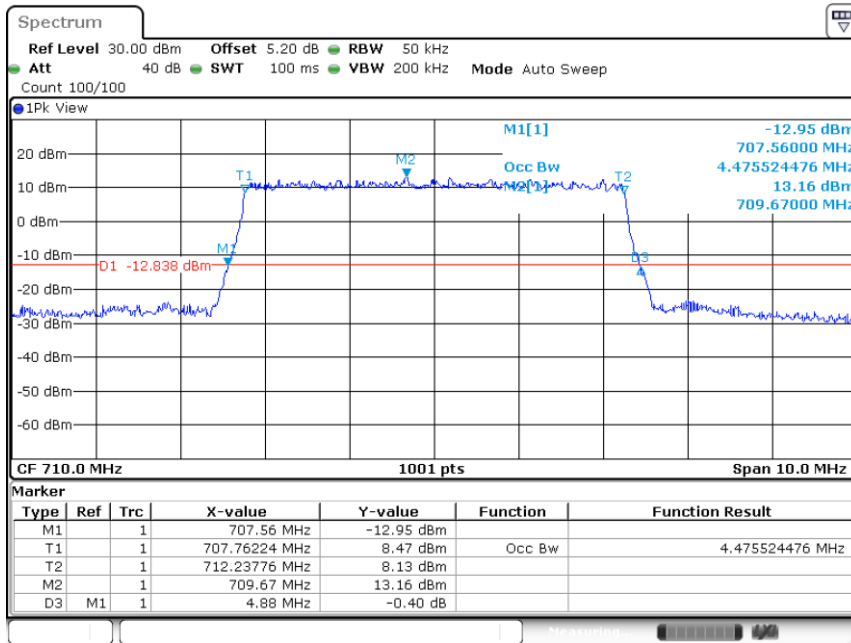


Date: 10.DEC.2020 17:13:32



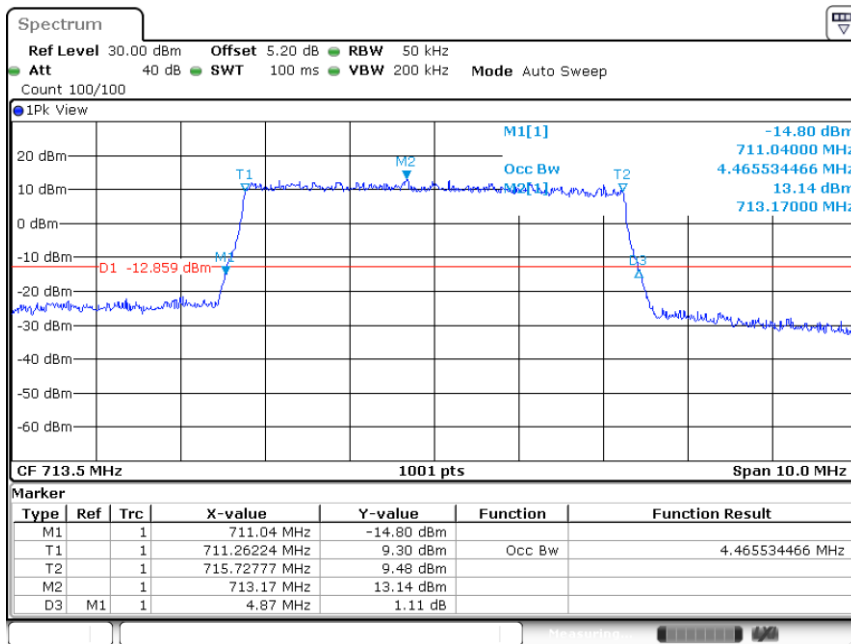
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Band17-5MHz-64QAM-23790-25RB#0-4.476



Date: 10.DEC.2020 17:13:52

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



Date: 10.DEC.2020 17:14:15

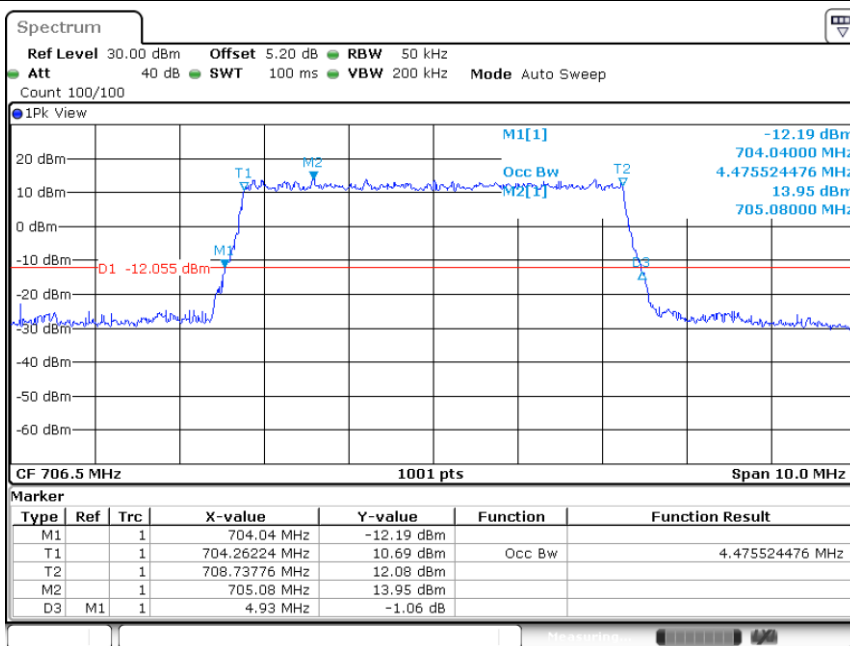


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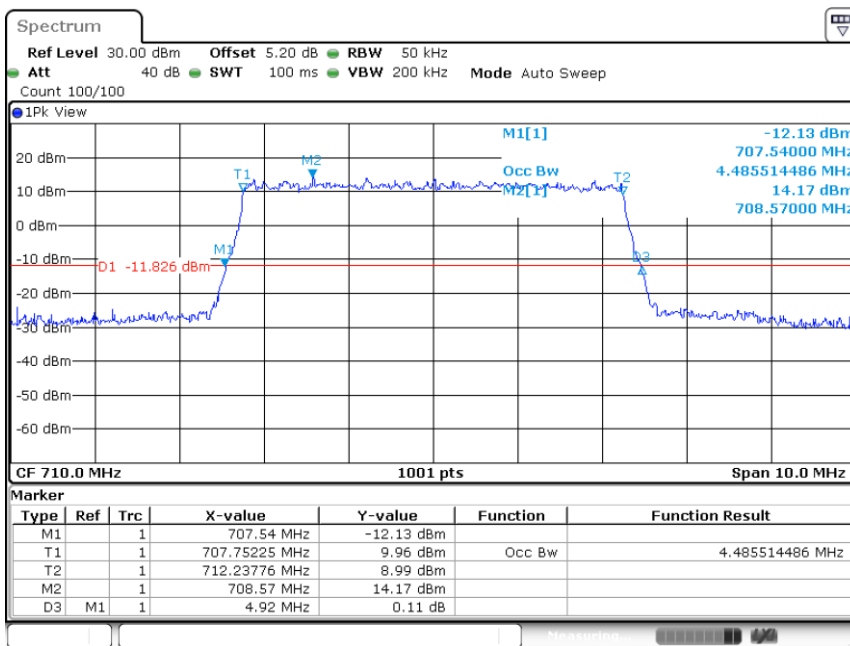
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Band17-5MHz-16QAM-23755-25RB#0-4.476



Band17-5MHz-16QAM-23790-25RB#0-4.486

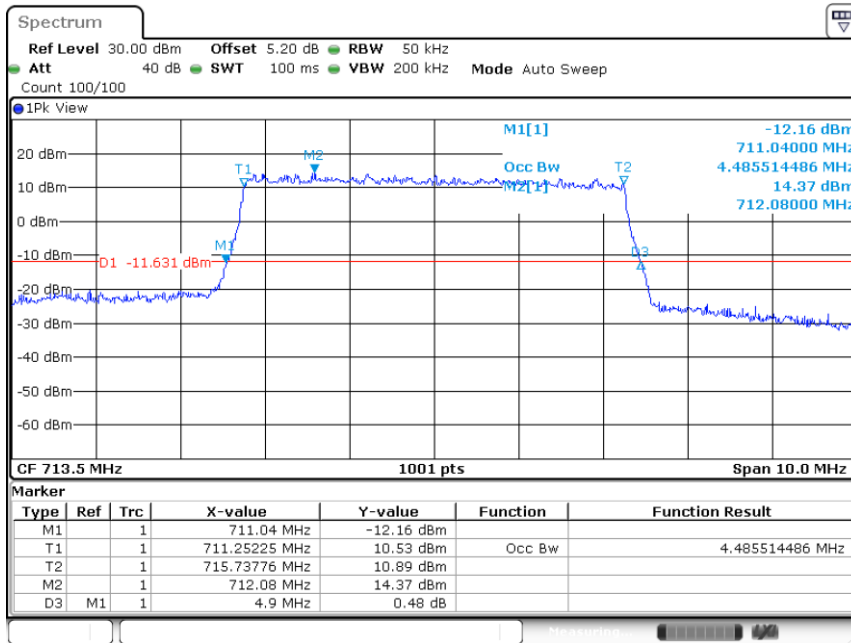


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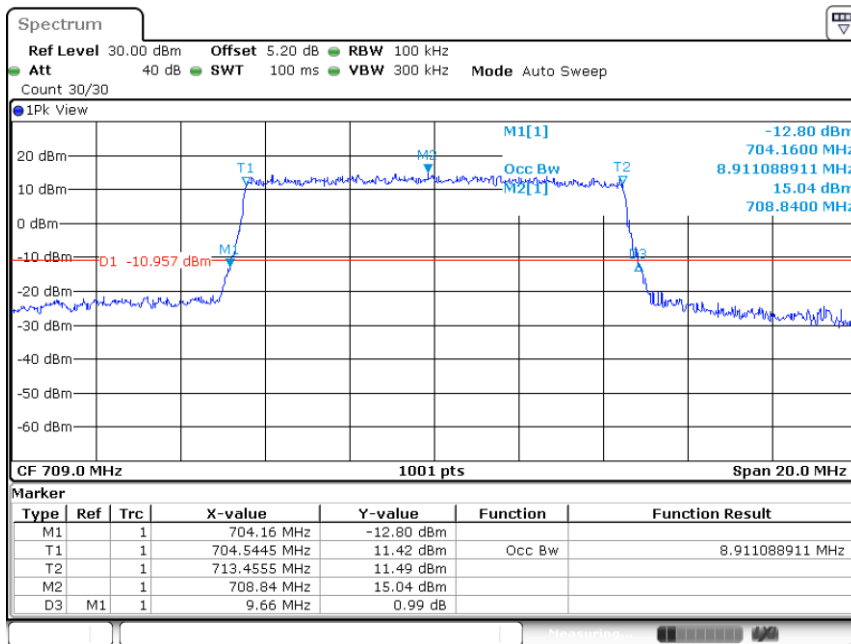
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Band17-5MHz-16QAM-23825-25RB#0-4.486



Date: 10.DEC.2020 16:26:13

Band17-10MHz-QPSK-23780-50RB#0-8.911

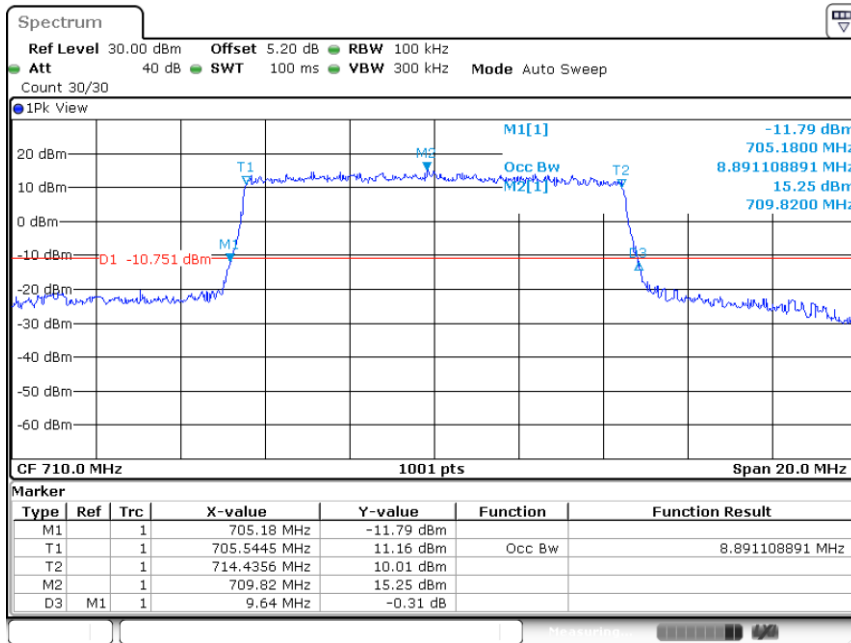


Date: 10.DEC.2020 16:26:32



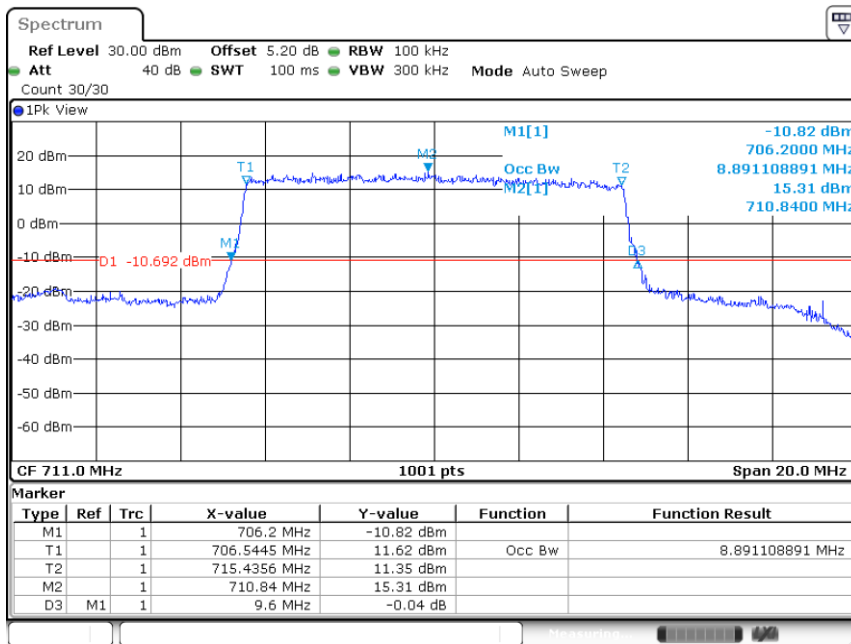
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Band17-10MHz-QPSK-23790-50RB#0-8.891



Date: 10.DEC.2020 16:26:57

Band17-10MHz-QPSK-23800-50RB#0-8.891



Date: 10.DEC.2020 16:27:23

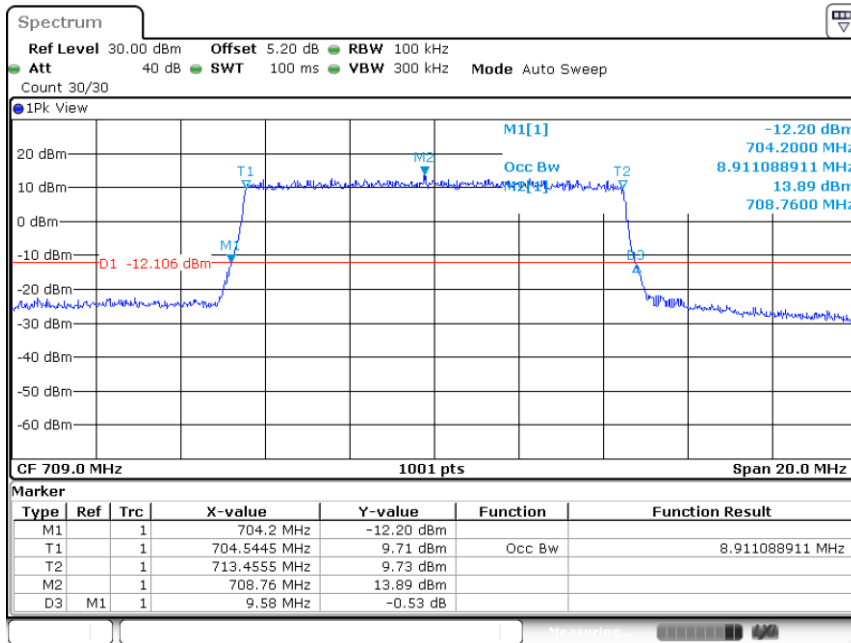


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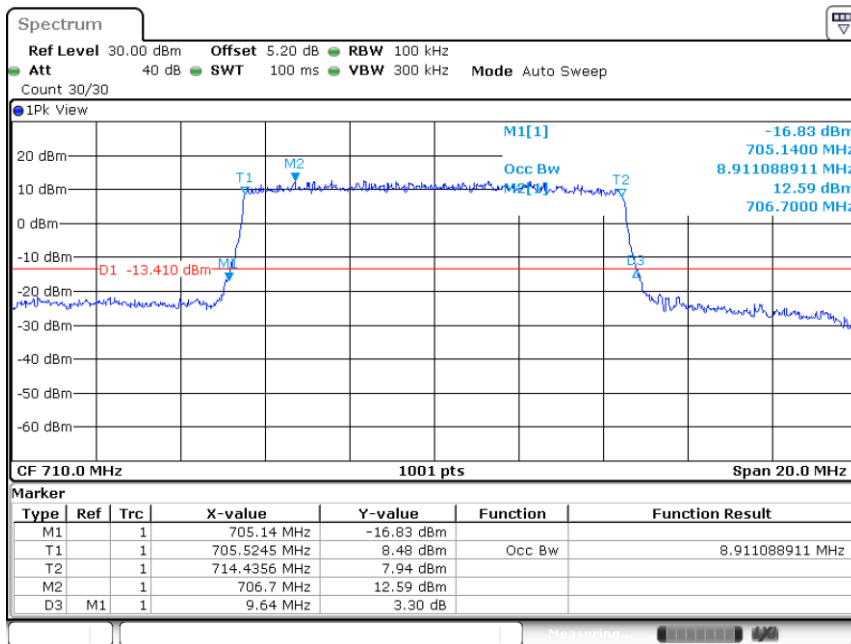
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Band17-10MHz-64QAM-23780-50RB#0-8.911



Date: 10.DEC.2020 17:14:36

Band17-10MHz-64QAM-23790-50RB#0-8.911

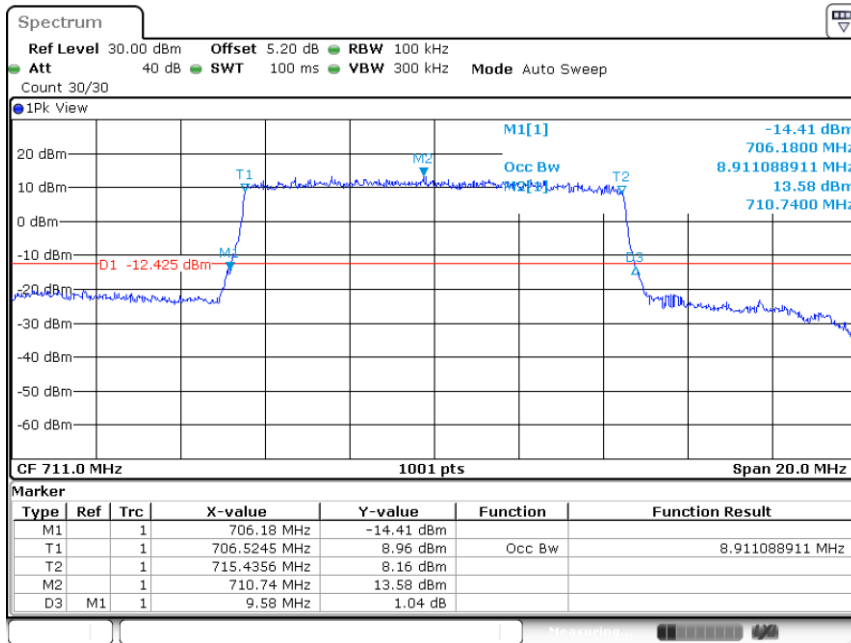


Date: 10.DEC.2020 17:14:50



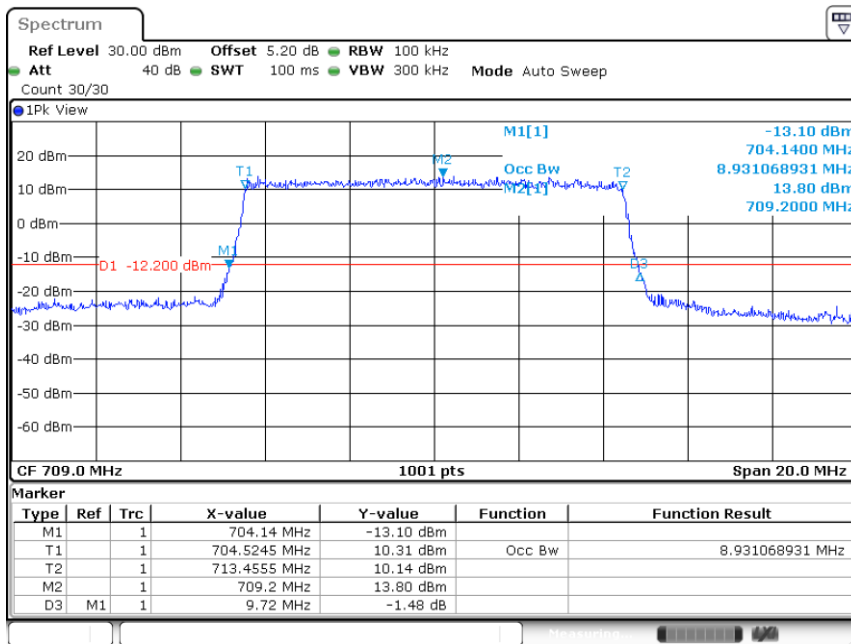
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Band17-10MHz-64QAM-23800-50RB#0-8.911



Date: 10.DEC.2020 17:15:03

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

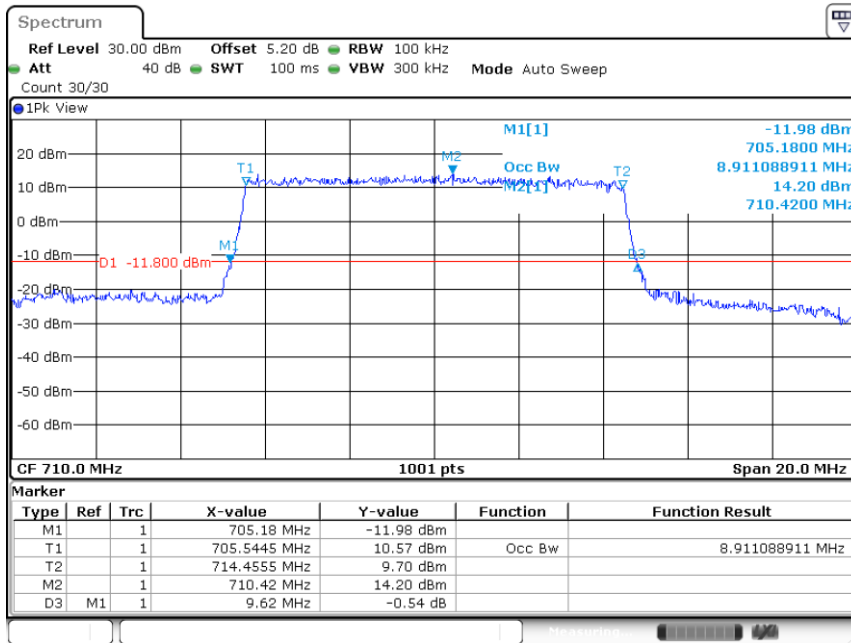


Date: 10.DEC.2020 16:26:44



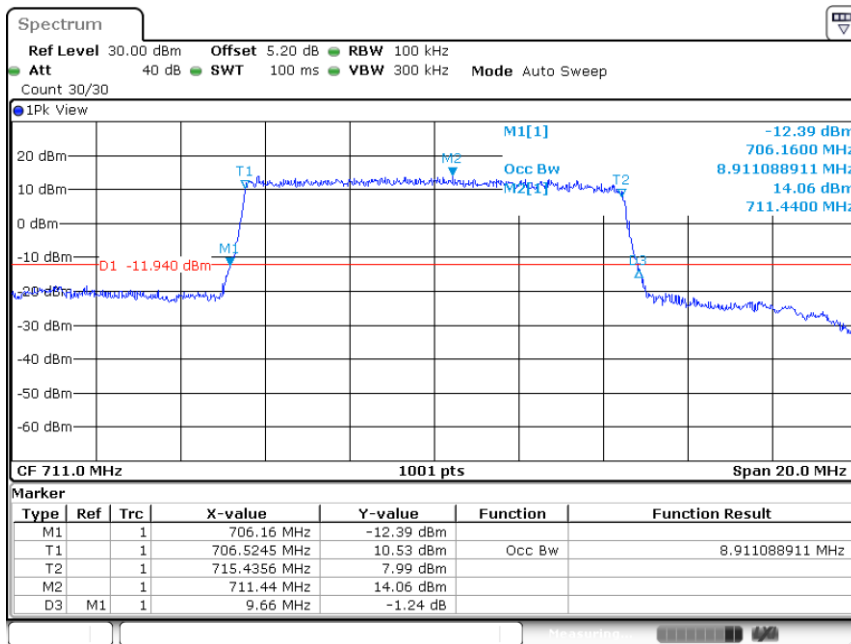
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Band17-10MHz-16QAM-23790-50RB#0-8.911



Date: 10.DEC.2020 16:27:10

Band17-10MHz-16QAM-23800-50RB#0-8.911



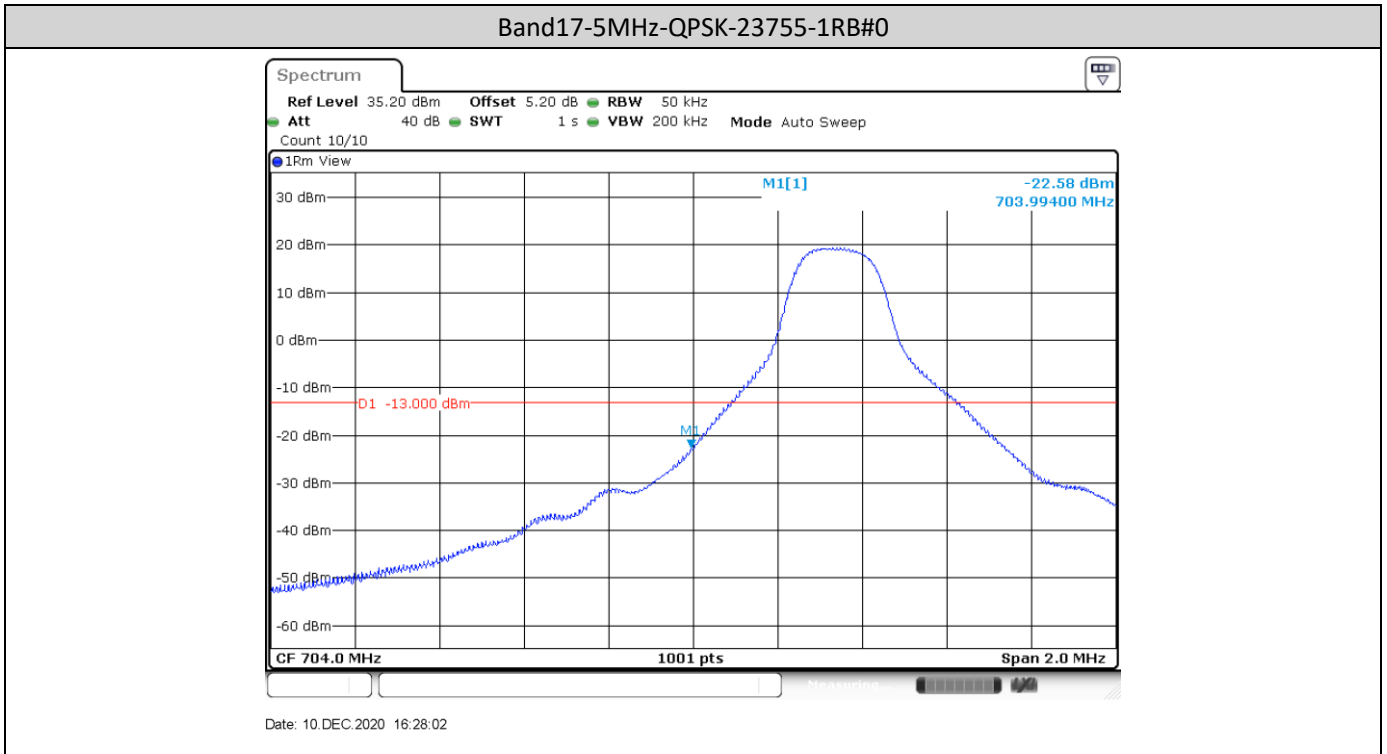
Date: 10.DEC.2020 16:27:36



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5. Band Edge Compliance

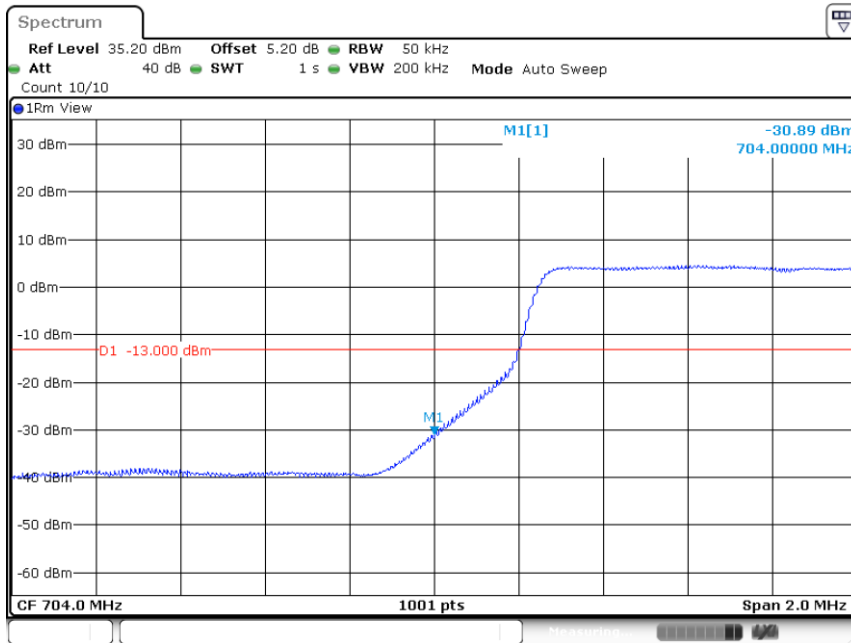
5.1. Test Plots



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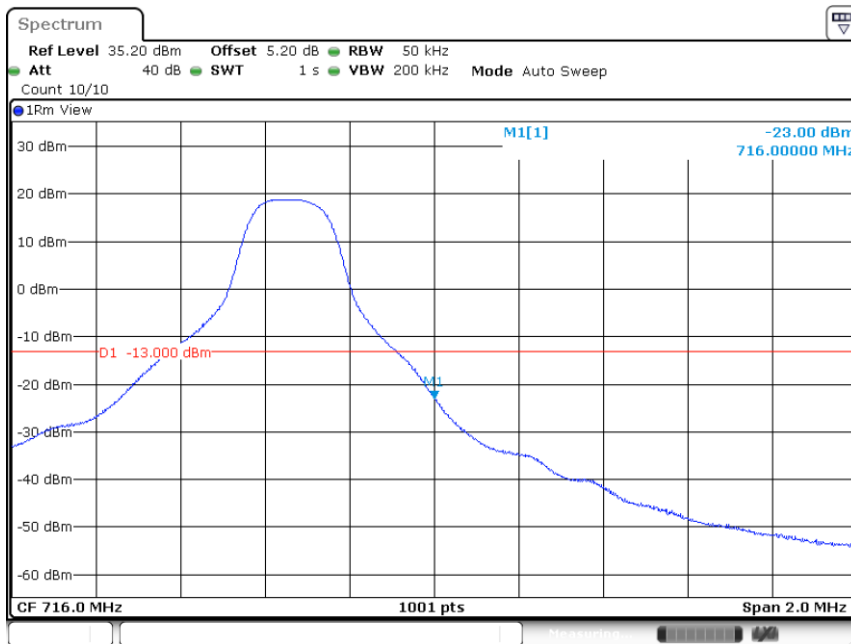
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Band17-5MHz-QPSK-23755-25RB#0



Date: 10.DEC.2020 16:28:43

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

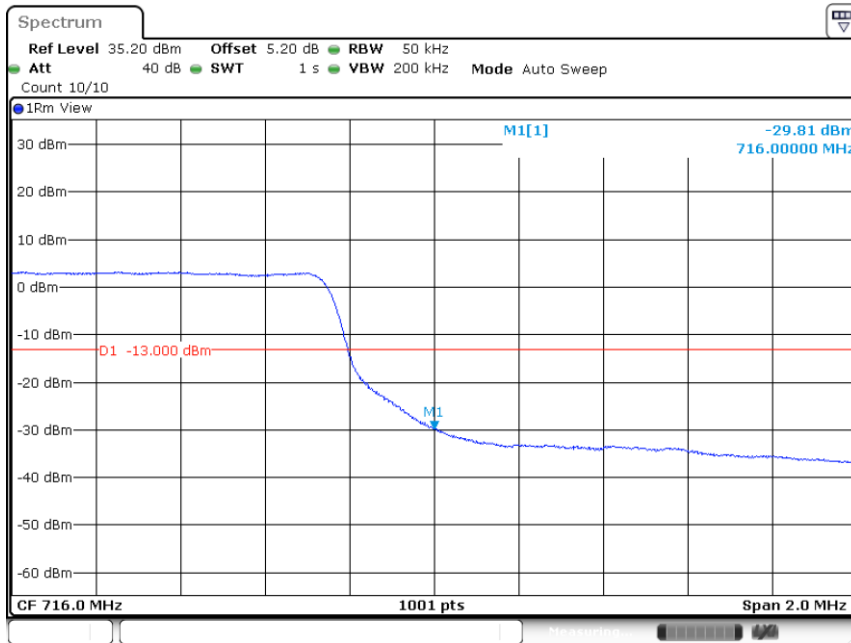


Date: 10.DEC.2020 16:29:29



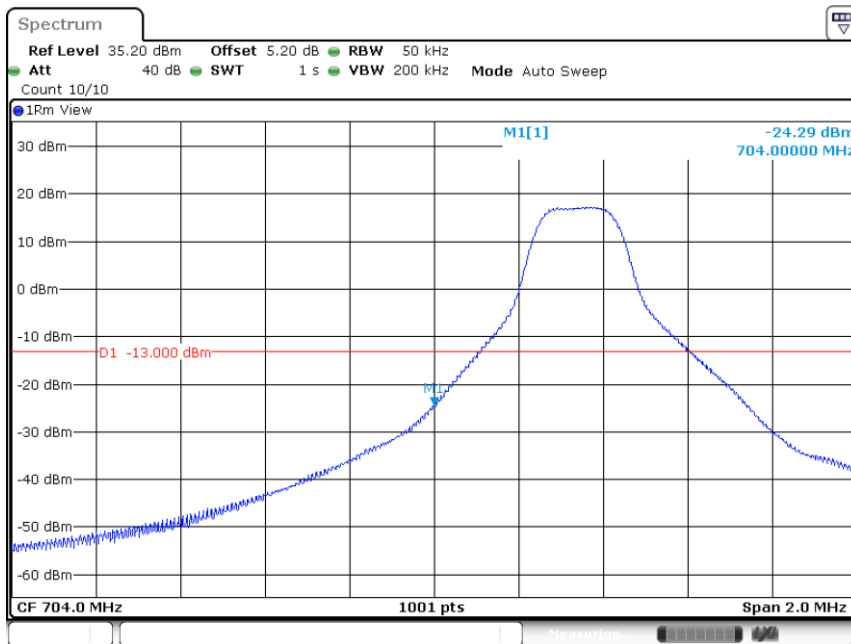
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Band17-5MHz-QPSK-23825-25RB#0



Date: 10.DEC.2020 16:30:10

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



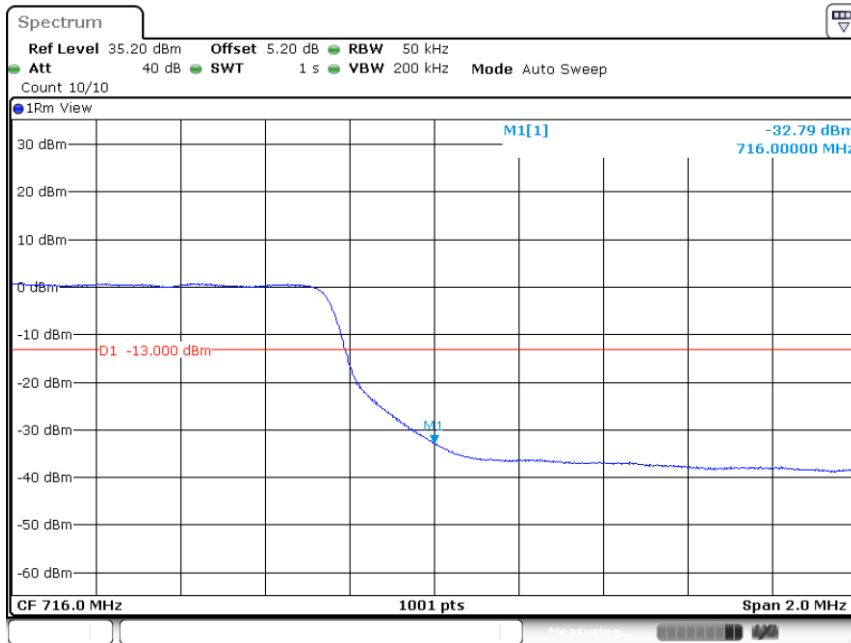
Date: 10.DEC.2020 17:15:31



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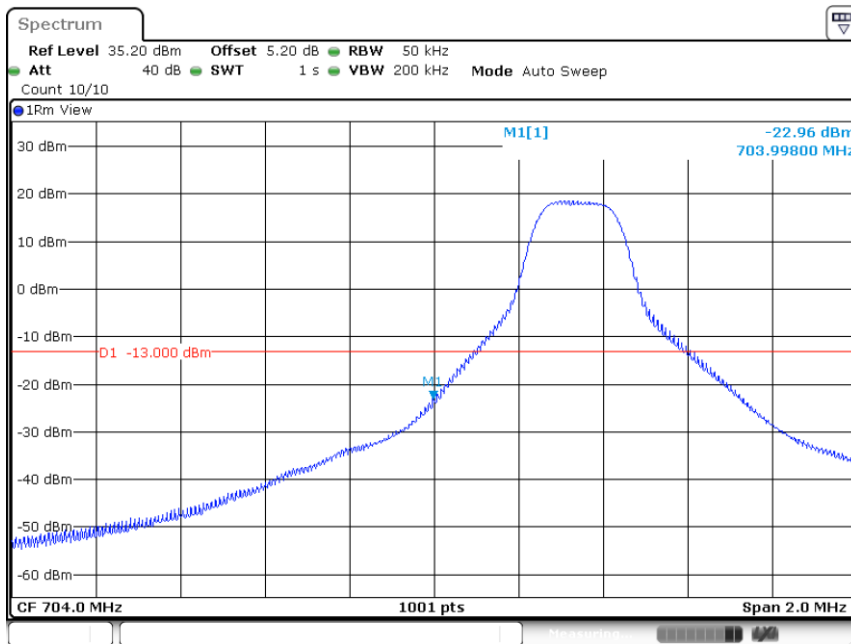
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Band17-5MHz-64QAM-23825-25RB#0



Date: 10.DEC.2020 17:16:39

Band17-5MHz-16QAM-23755-1RB#0



Date: 10.DEC.2020 16:28:23

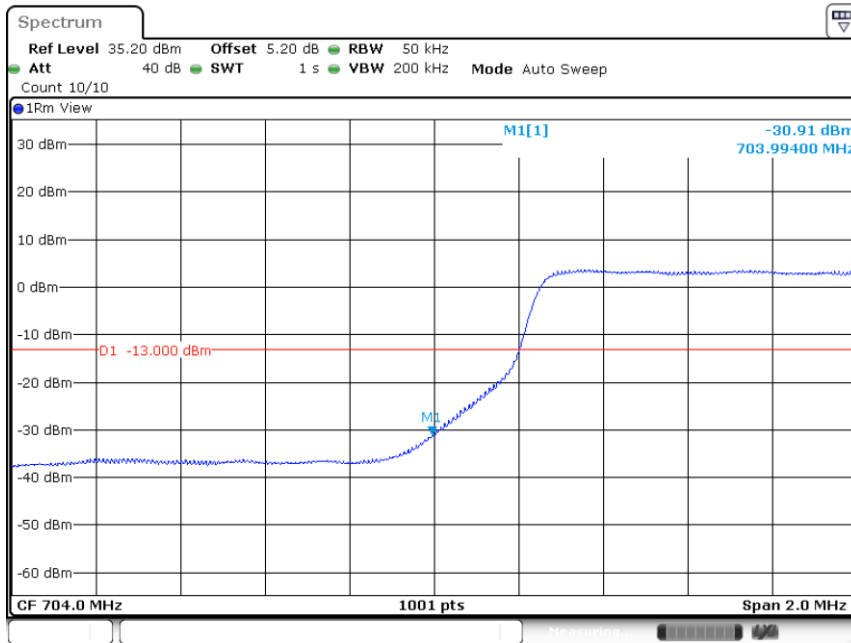


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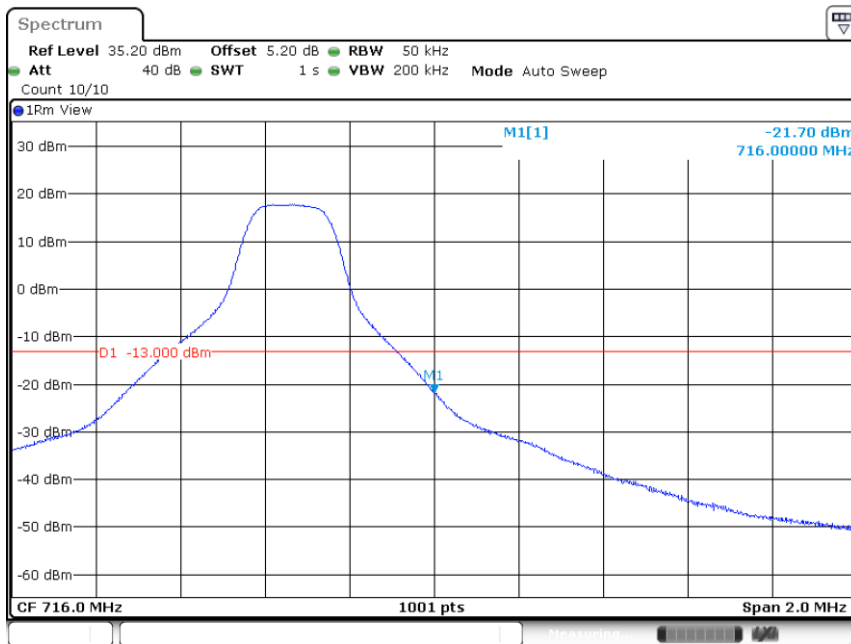


Band17-5MHz-16QAM-23755-25RB#0



Date: 10.DEC.2020 16:29:04

Band17-5MHz-16QAM-23825-1RB#24



Date: 10.DEC.2020 16:29:49



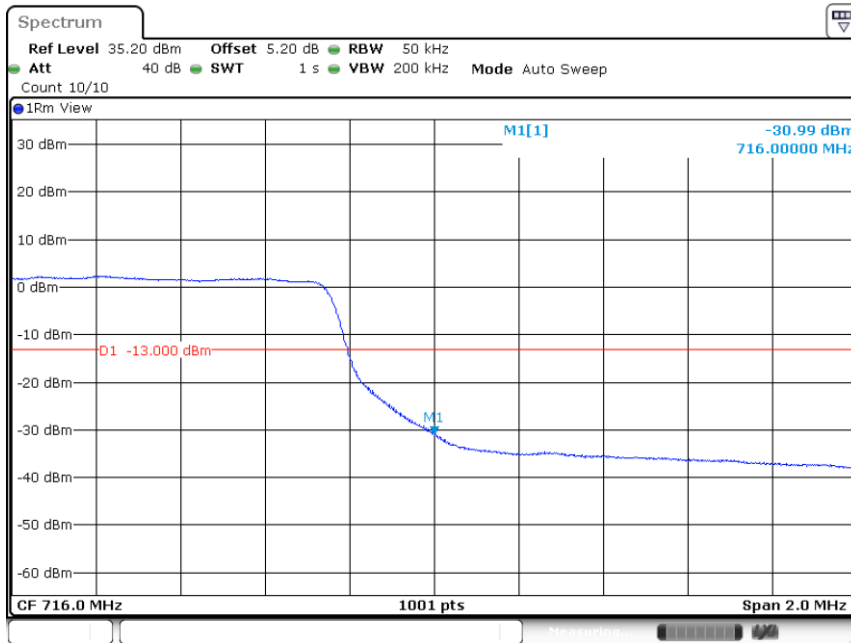
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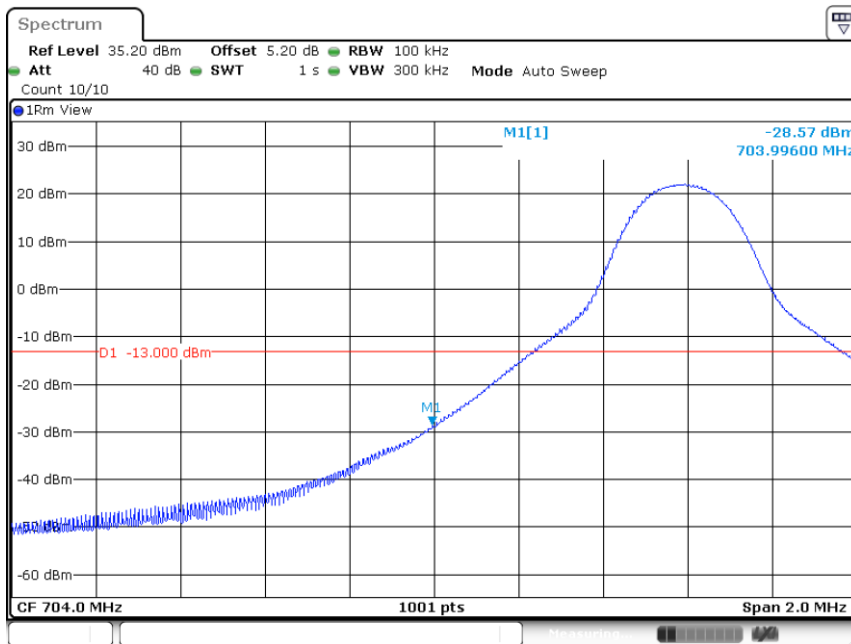


Band17-5MHz-16QAM-23825-25RB#0



Date: 10.DEC.2020 16:30:31

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

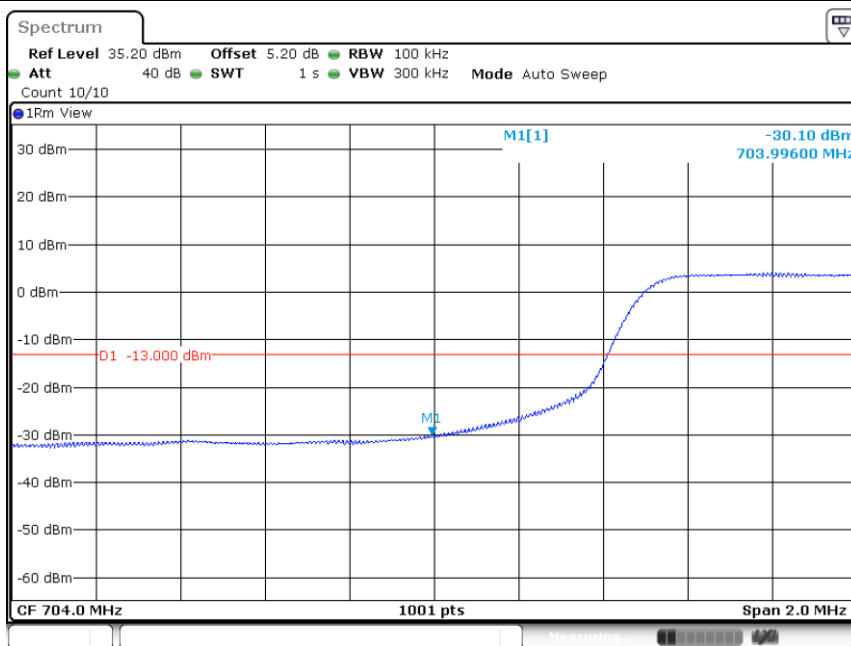


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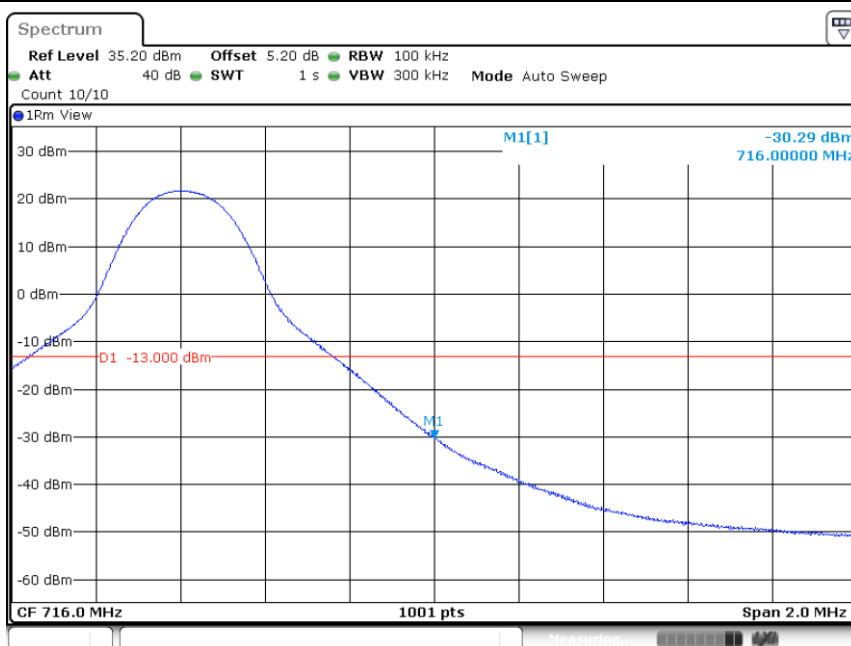
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Band17-10MHz-QPSK-23780-50RB#0



Date: 10.DEC.2020 16:31:40

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

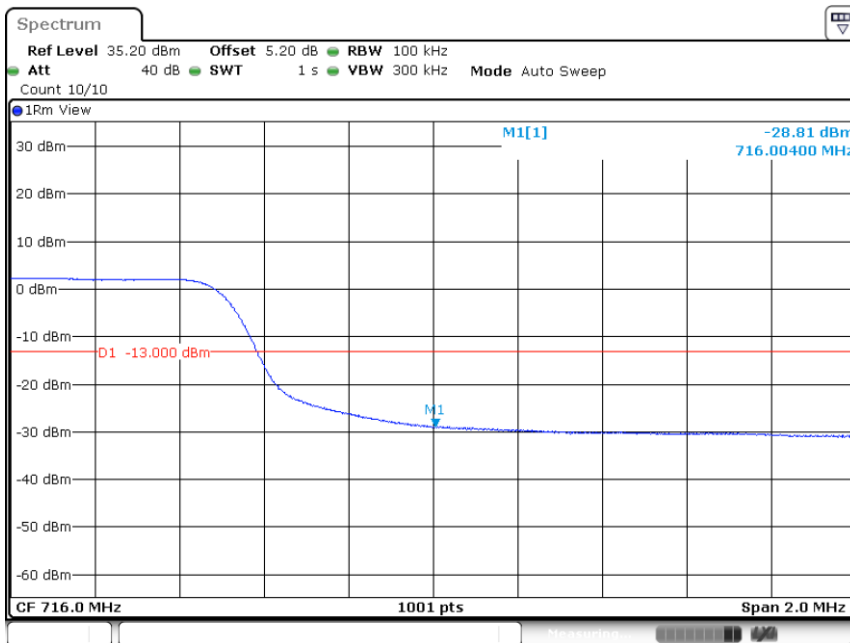


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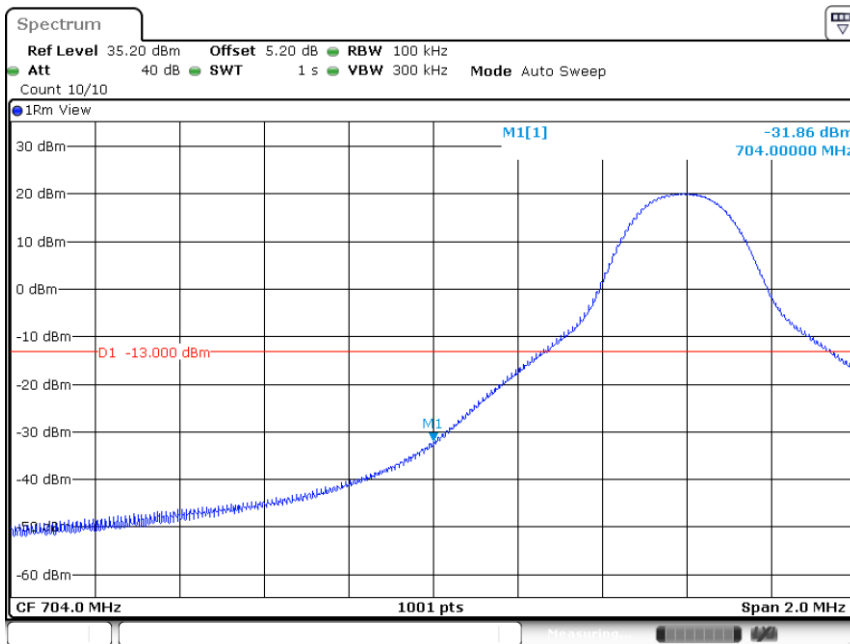
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Band17-10MHz-QPSK-23800-50RB#0



Date: 10.DEC.2020 16:33:06

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

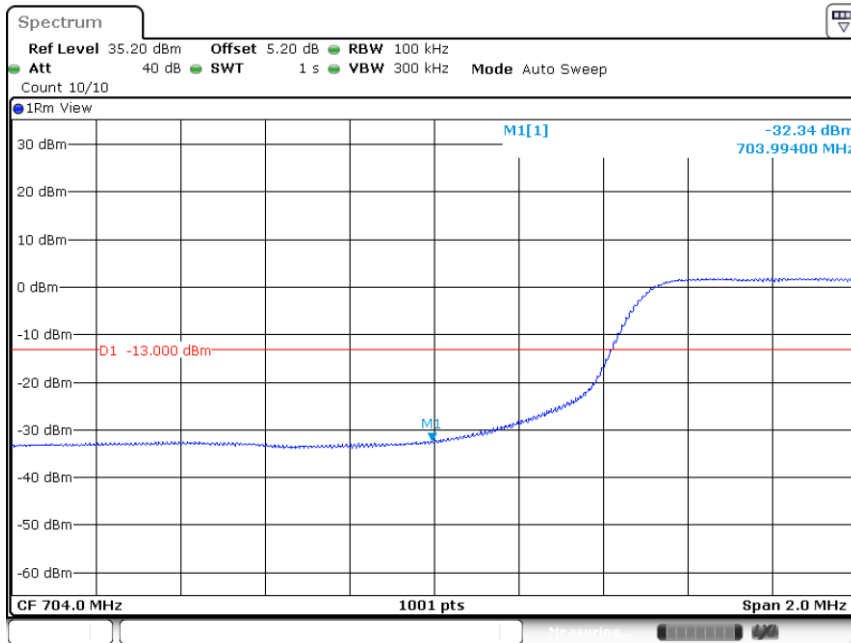


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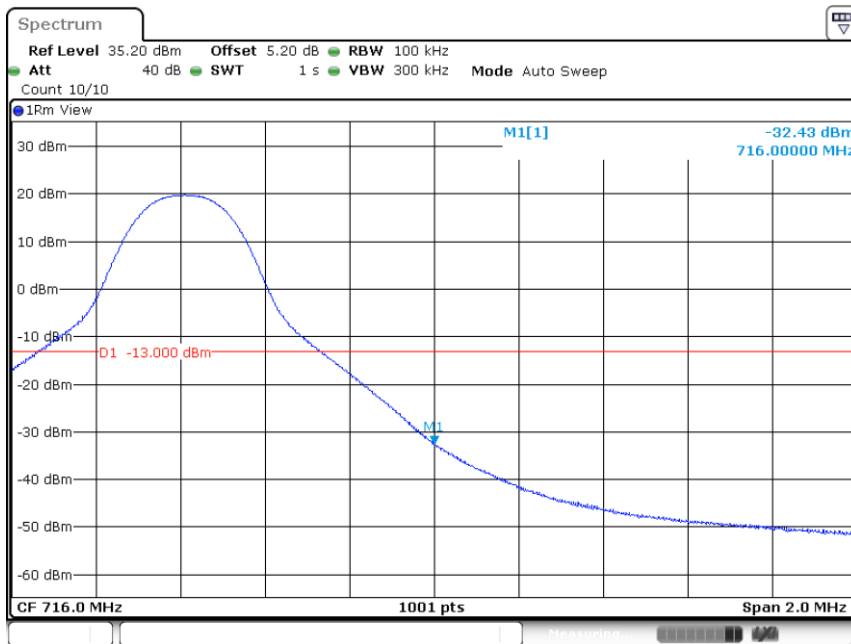
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Band17-10MHz-64QAM-23780-50RB#0



Date: 10.DEC.2020 17:17:27

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

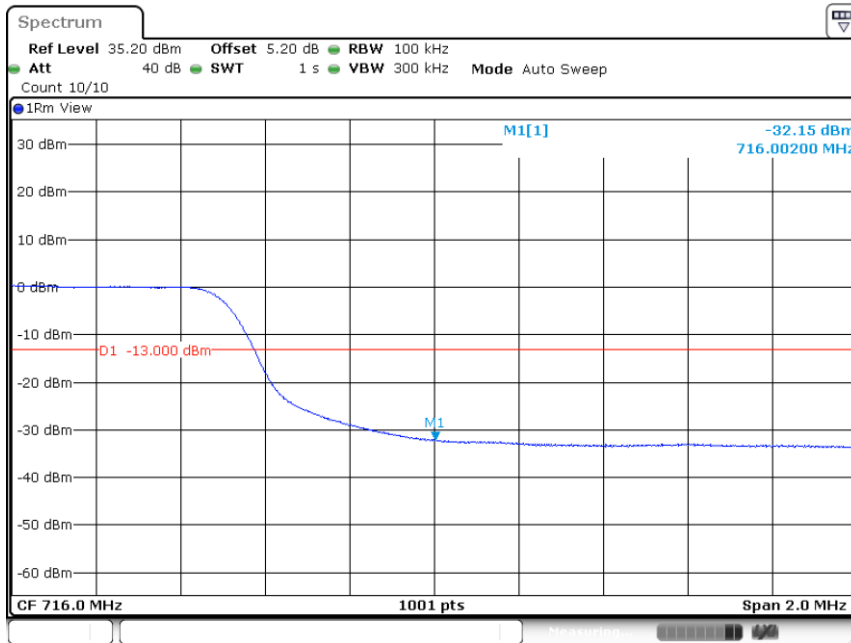


Date: 10.DEC.2020 17:17:52



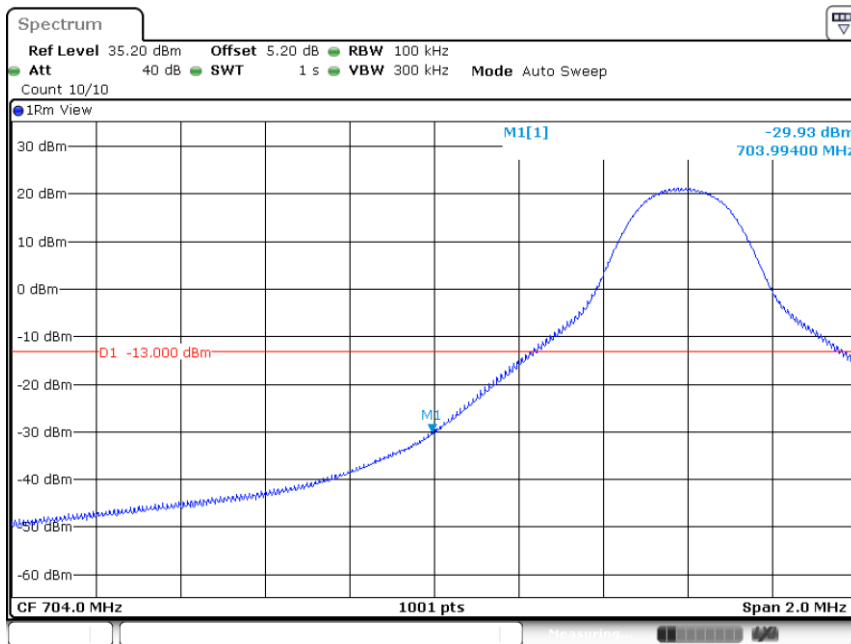
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Band17-10MHz-64QAM-23800-50RB#0



Date: 10.DEC.2020 17:18:13

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



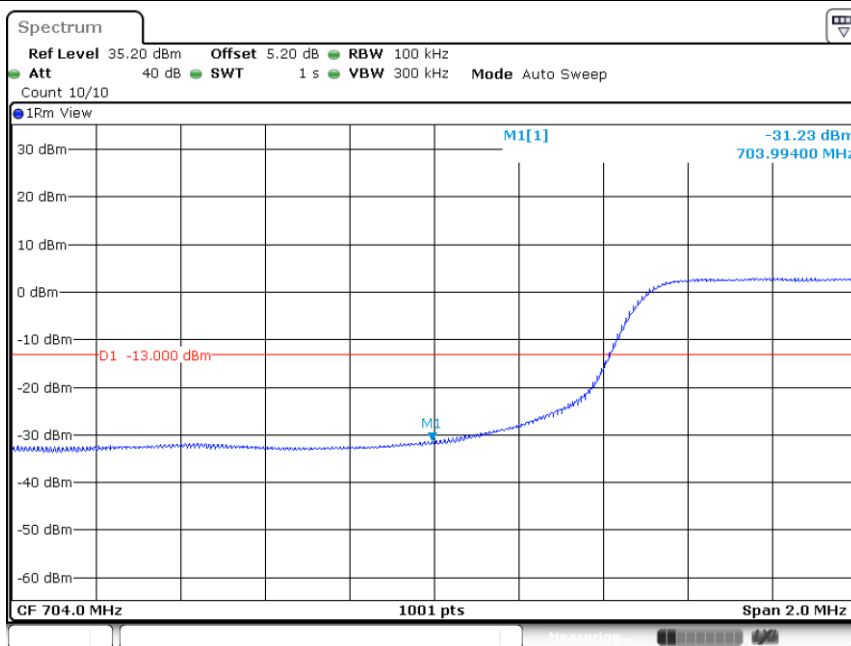
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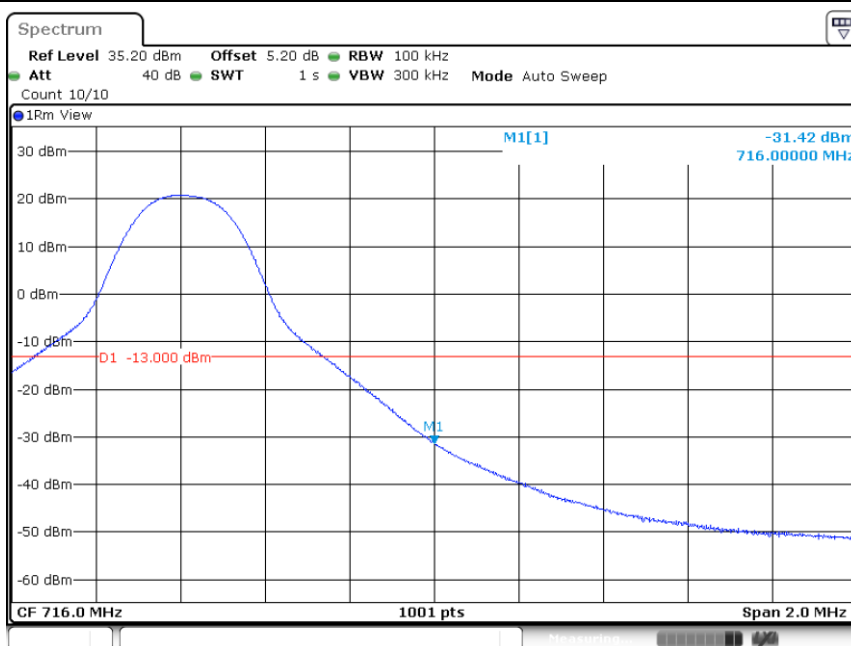


Band17-10MHz-16QAM-23780-50RB#0



Date: 10.DEC.2020 16:32:00

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



Date: 10.DEC.2020 16:32:45

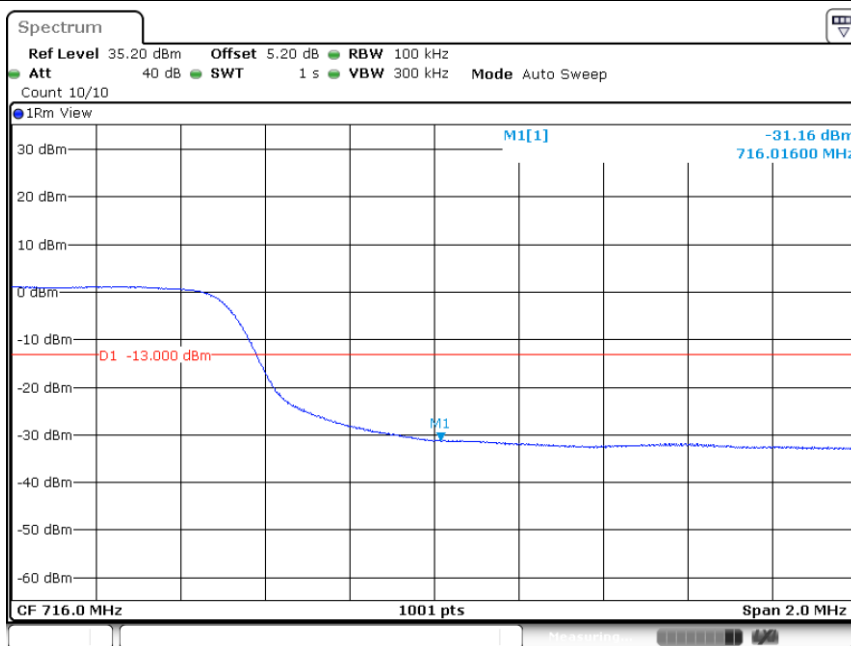


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Band17-10MHz-16QAM-23800-50RB#0



Date: 10.DEC.2020 16:33:26



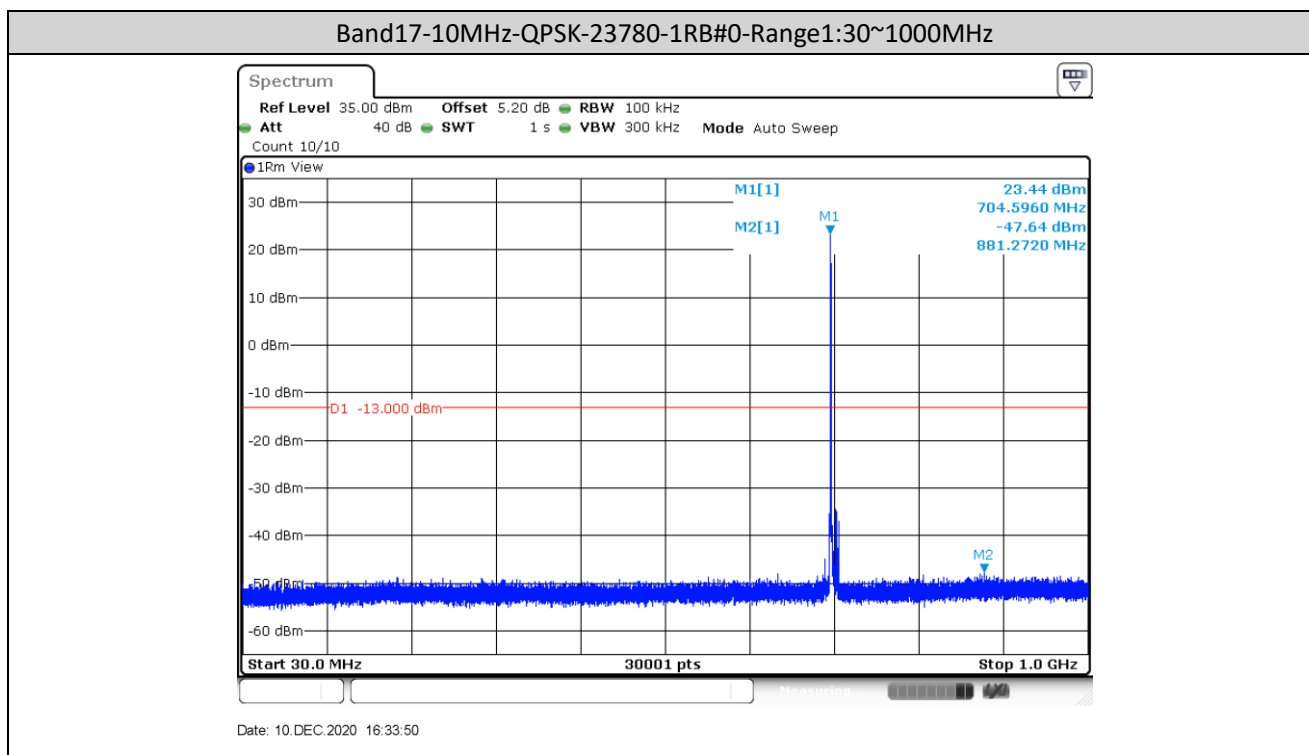
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6. Spurious Emission at Antenna Terminal

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.

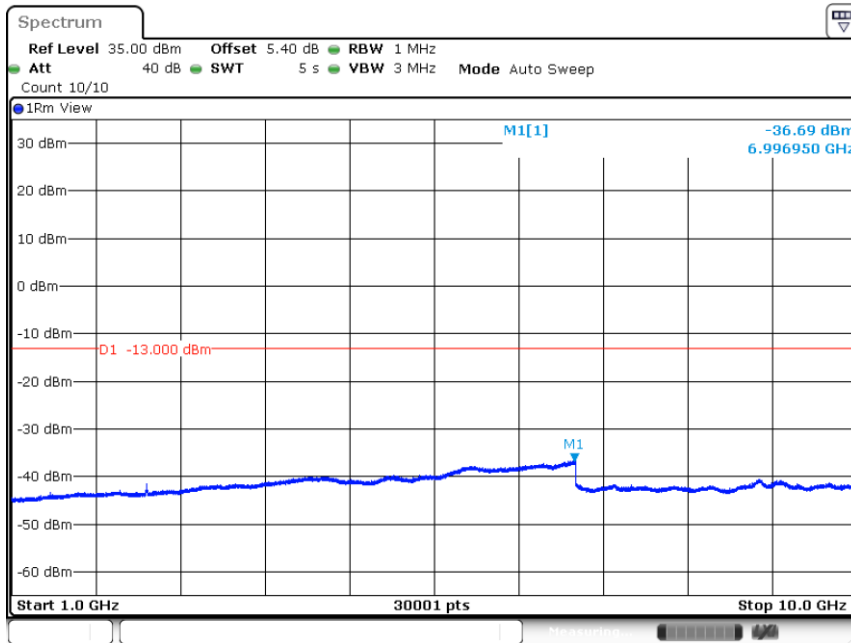
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



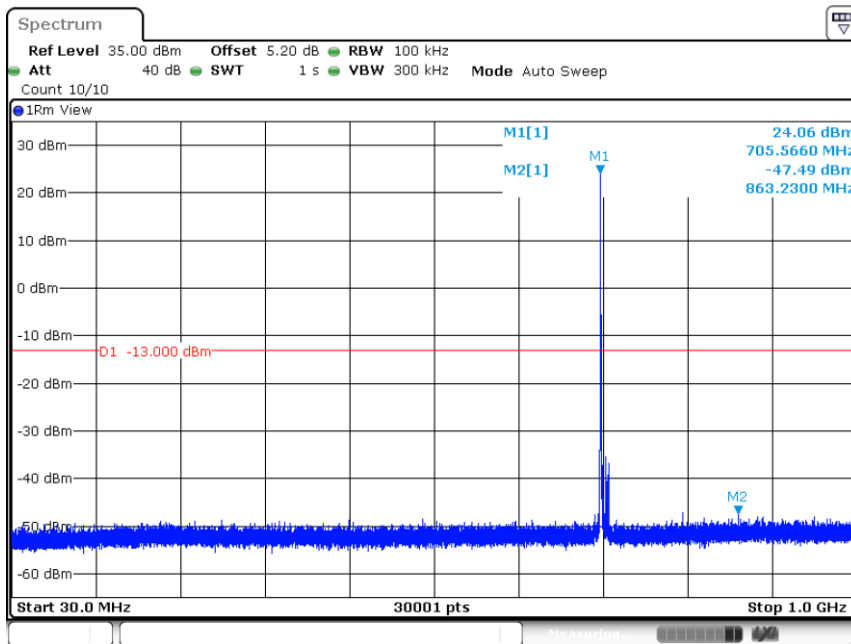
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Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



Date: 10.DEC.2020 16:34:57

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

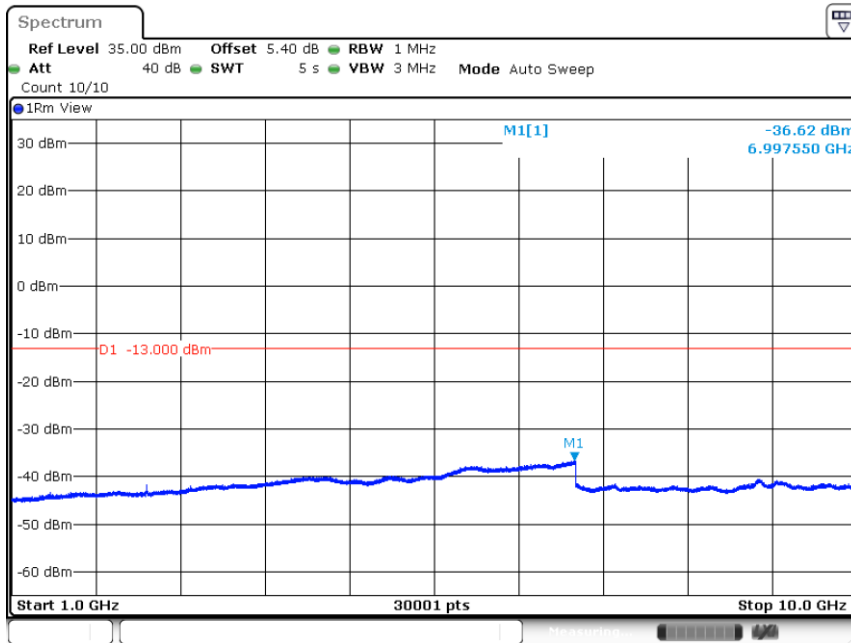


Date: 10.DEC.2020 16:36:44



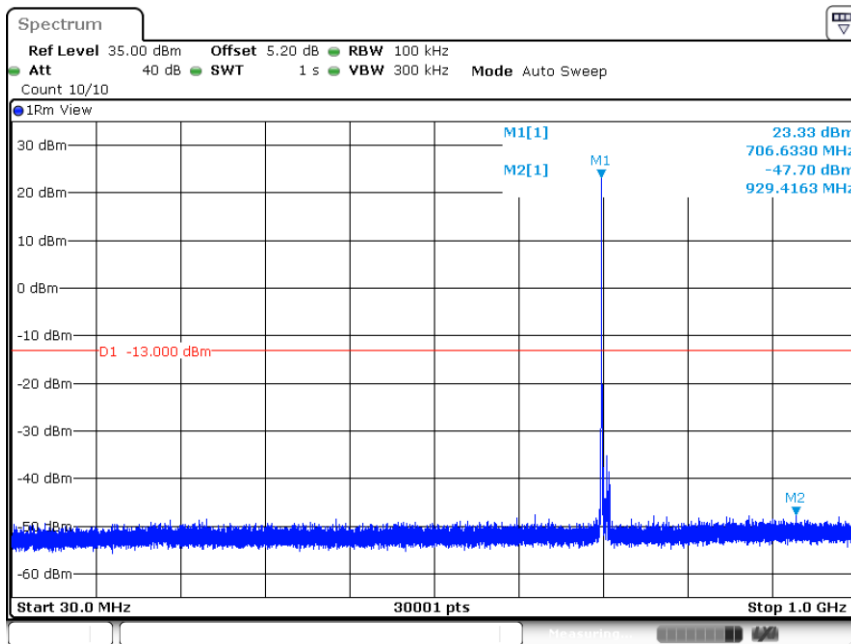
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Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



Date: 10.DEC.2020 16:37:52

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

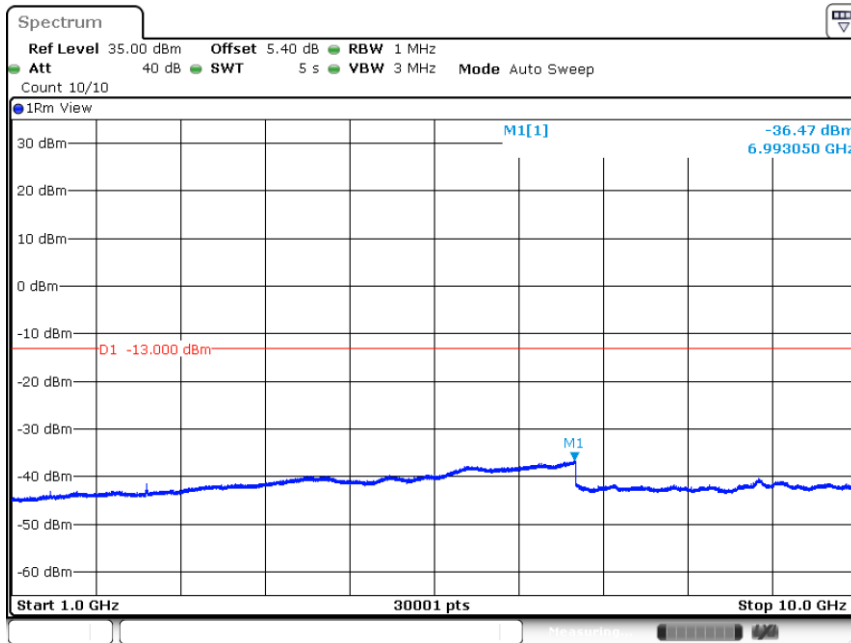


Date: 10.DEC.2020 16:39:39



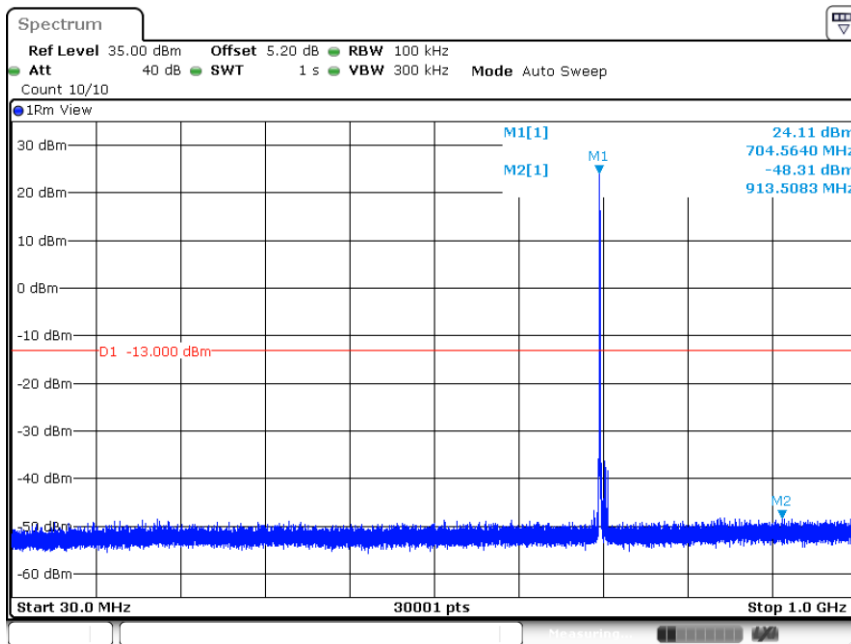
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Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



Date: 10.DEC.2020 16:40:46

Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz

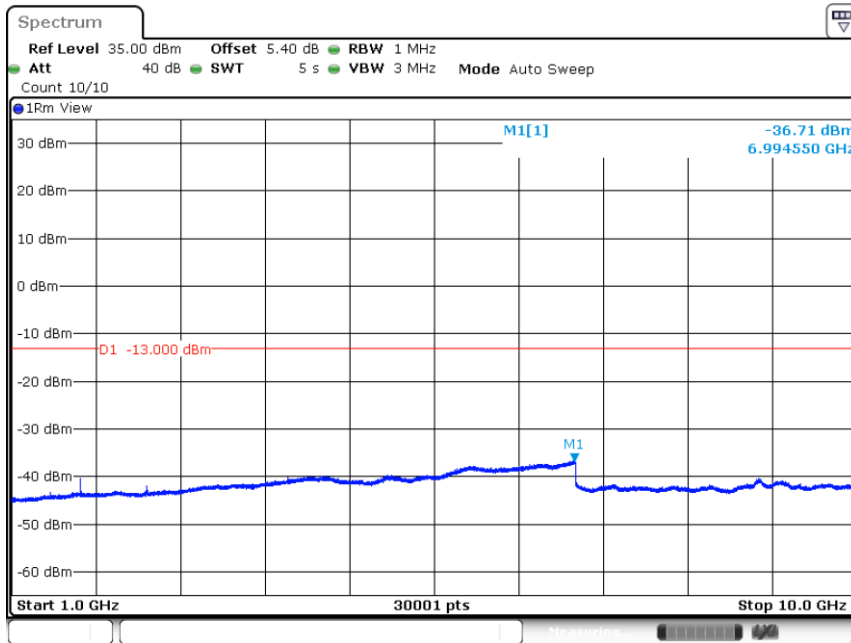


Date: 10.DEC.2020 16:35:17



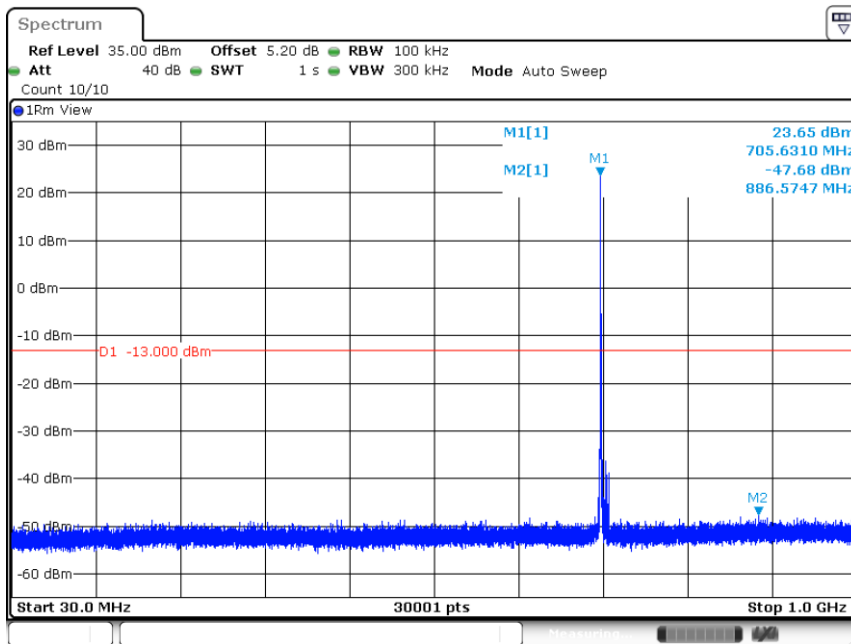
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Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 10.DEC.2020 16:36:24

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



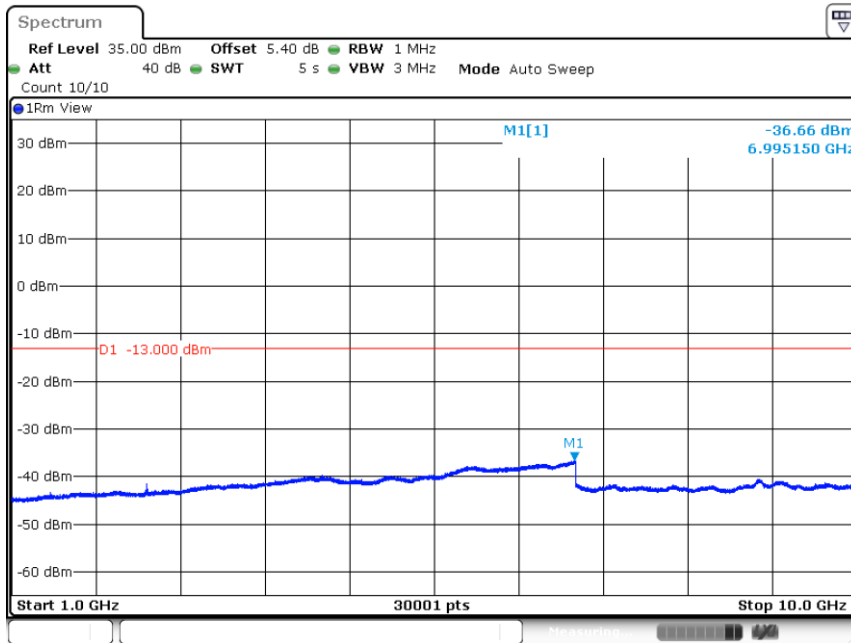
Date: 10.DEC.2020 16:38:11



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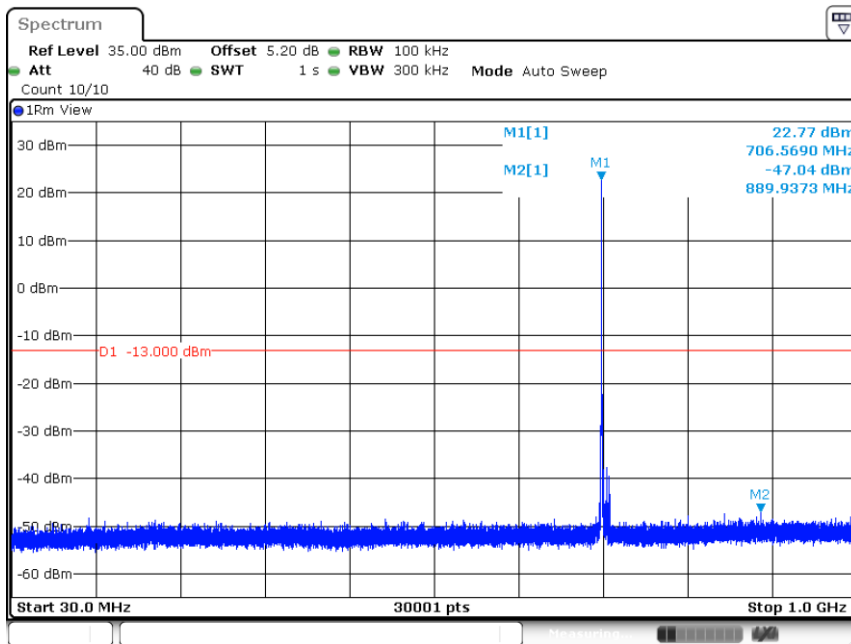
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Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 10.DEC.2020 16:39:19

Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



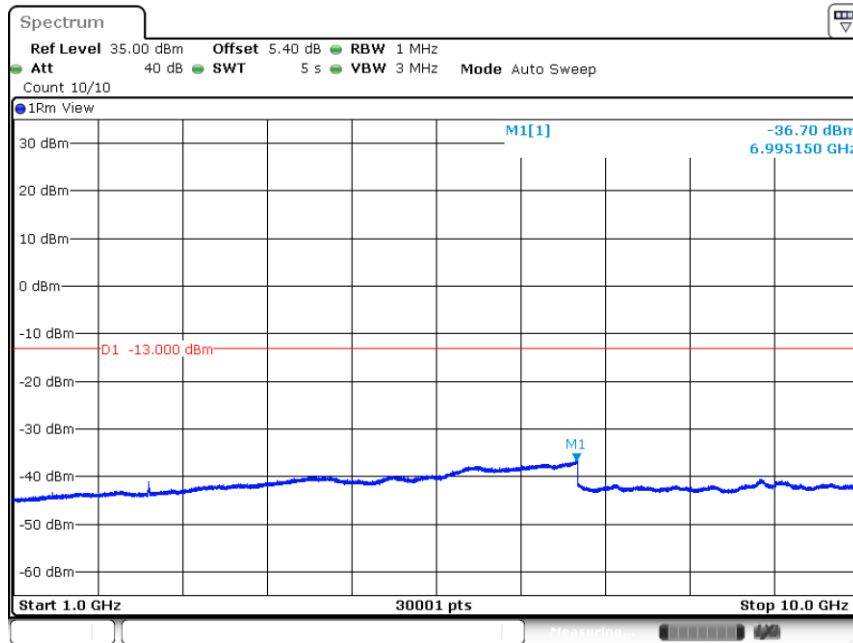
Date: 10.DEC.2020 16:41:06



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



Date: 10.DEC.2020 16:42:13



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz(ANT1)

7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 55.993333 | -79.07 | -13.00 | 66.07 | Vertical |
| 104.246667 | -81.47 | -13.00 | 68.47 | Vertical |
| 323.533333 | -83.75 | -13.00 | 70.75 | Vertical |
| 1591.500000 | -65.40 | -13.00 | 52.40 | Vertical |
| 2430.000000 | -58.75 | -13.00 | 45.75 | Vertical |
| 4298.700000 | -65.81 | -13.00 | 52.81 | Vertical |
| 56.133333 | -75.11 | -13.00 | 62.11 | Horizontal |
| 159.453333 | -83.05 | -13.00 | 70.05 | Horizontal |
| 320.313333 | -84.12 | -13.00 | 71.12 | Horizontal |
| 1388.500000 | -66.97 | -13.00 | 53.97 | Horizontal |
| 2387.000000 | -58.71 | -13.00 | 45.71 | Horizontal |
| 4436.175000 | -65.39 | -13.00 | 52.39 | Horizontal |

7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 54.966667 | -77.79 | -13.00 | 64.79 | Vertical |
| 104.293333 | -82.89 | -13.00 | 69.89 | Vertical |
| 342.340000 | -83.17 | -13.00 | 70.17 | Vertical |
| 1411.000000 | -65.53 | -13.00 | 52.53 | Vertical |
| 1886.500000 | -62.63 | -13.00 | 49.63 | Vertical |
| 4420.087500 | -65.97 | -13.00 | 52.97 | Vertical |
| 63.506667 | -75.46 | -13.00 | 62.46 | Horizontal |
| 159.406667 | -83.34 | -13.00 | 70.34 | Horizontal |
| 319.520000 | -84.23 | -13.00 | 71.23 | Horizontal |
| 1385.500000 | -66.93 | -13.00 | 53.93 | Horizontal |
| 2368.000000 | -58.75 | -13.00 | 45.75 | Horizontal |
| 4320.637500 | -65.36 | -13.00 | 52.36 | Horizontal |



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7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 55.200000 | -78.59 | -13.00 | 65.60 | Vertical |
| 104.246667 | -81.28 | -13.00 | 68.28 | Vertical |
| 326.800000 | -83.61 | -13.00 | 70.61 | Vertical |
| 1413.000000 | -65.44 | -13.00 | 52.44 | Vertical |
| 1886.500000 | -62.62 | -13.00 | 49.62 | Vertical |
| 2625.000000 | -53.97 | -13.00 | 40.97 | Vertical |
| 63.786667 | -77.42 | -13.00 | 64.42 | Horizontal |
| 159.406667 | -83.08 | -13.00 | 70.08 | Horizontal |
| 326.053333 | -83.78 | -13.00 | 70.78 | Horizontal |
| 1487.000000 | -65.42 | -13.00 | 52.42 | Horizontal |
| 2643.500000 | -55.63 | -13.00 | 42.63 | Horizontal |
| 4397.175000 | -65.40 | -13.00 | 52.40 | Horizontal |

7.2. Test Mode =LTE/TM1 10MHz(ANT0)

7.2.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 56.040000 | -79.65 | -13.00 | 66.65 | Vertical |
| 104.246667 | -82.61 | -13.00 | 69.61 | Vertical |
| 318.913333 | -83.58 | -13.00 | 70.58 | Vertical |
| 1409.000000 | -62.18 | -13.00 | 49.18 | Vertical |
| 2651.500000 | -52.85 | -13.00 | 39.85 | Vertical |
| 4352.325000 | -65.77 | -13.00 | 52.77 | Vertical |
| 62.480000 | -75.58 | -13.00 | 62.58 | Horizontal |
| 159.453333 | -82.26 | -13.00 | 69.26 | Horizontal |
| 297.680000 | -83.02 | -13.00 | 70.02 | Horizontal |
| 1446.000000 | -65.82 | -13.00 | 52.82 | Horizontal |
| 2624.000000 | -55.85 | -13.00 | 42.85 | Horizontal |
| 4342.087500 | -65.76 | -13.00 | 52.76 | Horizontal |



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7.2.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 63.880000 | -79.30 | -13.00 | 66.30 | Vertical |
| 104.246667 | -82.70 | -13.00 | 69.70 | Vertical |
| 323.720000 | -84.50 | -13.00 | 71.50 | Vertical |
| 1411.000000 | -61.74 | -13.00 | 48.74 | Vertical |
| 2635.500000 | -55.64 | -13.00 | 42.64 | Vertical |
| 4431.300000 | -65.77 | -13.00 | 52.77 | Vertical |
| 62.480000 | -75.74 | -13.00 | 62.74 | Horizontal |
| 134.860000 | -82.79 | -13.00 | 69.79 | Horizontal |
| 303.840000 | -83.43 | -13.00 | 70.43 | Horizontal |
| 1624.000000 | -64.97 | -13.00 | 51.97 | Horizontal |
| 2638.000000 | -55.84 | -13.00 | 42.84 | Horizontal |
| 4347.450000 | -65.32 | -13.00 | 52.32 | Horizontal |

7.2.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 64.113333 | -79.38 | -13.00 | 66.38 | Vertical |
| 124.966667 | -83.50 | -13.00 | 70.50 | Vertical |
| 314.900000 | -84.38 | -13.00 | 71.38 | Vertical |
| 1413.000000 | -62.03 | -13.00 | 49.03 | Vertical |
| 2630.500000 | -54.02 | -13.00 | 41.02 | Vertical |
| 4295.775000 | -66.19 | -13.00 | 53.19 | Vertical |
| 62.853333 | -75.70 | -13.00 | 62.70 | Horizontal |
| 134.953333 | -82.78 | -13.00 | 69.78 | Horizontal |
| 300.106667 | -82.87 | -13.00 | 69.87 | Horizontal |
| 1478.500000 | -65.42 | -13.00 | 52.42 | Horizontal |
| 2388.000000 | -58.75 | -13.00 | 45.75 | Horizontal |
| 4305.037500 | -65.41 | -13.00 | 52.41 | 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 | | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| | | | | | Voltage [Vdc] | Temperature (°C) | | | | |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VL | NT | 2.10 | 0.002962 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VN | NT | -0.40 | -0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VH | NT | -1.80 | -0.002539 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VL | NT | 1.40 | 0.001972 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VN | NT | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VH | NT | 2.20 | 0.003099 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VL | NT | -3.20 | -0.004501 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VN | NT | 3.00 | 0.004219 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VH | NT | -2.40 | -0.003376 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VL | NT | 2.10 | 0.002962 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VN | NT | 0.90 | 0.001269 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VH | NT | 1.10 | 0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VL | NT | 0.60 | 0.000845 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VN | NT | 2.50 | 0.003521 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VH | NT | 1.60 | 0.002254 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VL | NT | 2.00 | 0.002813 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VN | NT | 3.80 | 0.005345 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VH | NT | 5.60 | 0.007876 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VL | NT | -1.60 | -0.002257 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VN | NT | -4.90 | -0.006911 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VH | NT | -0.70 | -0.000987 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VL | NT | -3.40 | -0.004789 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VN | NT | 4.60 | 0.006479 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VH | NT | -0.70 | -0.000986 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VL | NT | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VN | NT | 1.20 | 0.001688 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VH | NT | 2.60 | 0.003657 | ±2.5 | PASS |



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8.2. Frequency Vs Temperature

| Temperature | | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -30 | -2.20 | -0.003103 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -20 | 4.50 | 0.006347 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -10 | 3.00 | 0.004231 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 0 | -5.80 | -0.008181 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 10 | 0.80 | 0.001128 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 20 | -4.90 | -0.006911 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 30 | -5.50 | -0.007757 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 40 | -8.00 | -0.011283 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 50 | -1.70 | -0.002398 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -30 | 0.80 | 0.001127 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -20 | 4.50 | 0.006338 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -10 | 3.40 | 0.004789 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 0 | -3.10 | -0.004366 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 10 | -3.80 | -0.005352 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 20 | -1.40 | -0.001972 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 30 | 6.50 | 0.009155 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 40 | -5.30 | -0.007465 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 50 | -1.50 | -0.002113 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -30 | 7.30 | 0.010267 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -20 | -5.70 | -0.008017 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -10 | 1.90 | 0.002672 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 0 | 10.40 | 0.014627 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 10 | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 20 | -2.80 | -0.003938 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 30 | 3.00 | 0.004219 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 40 | 2.00 | 0.002813 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 50 | 3.80 | 0.005345 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -30 | -1.20 | -0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -20 | -5.10 | -0.007193 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -10 | 0.80 | 0.001128 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 0 | -1.20 | -0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 10 | -9.10 | -0.012835 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 20 | 1.60 | 0.002257 | ±2.5 | PASS |



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|--------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 30 | 2.20 | 0.003103 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 40 | 4.60 | 0.006488 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 50 | 2.90 | 0.004090 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -30 | 1.00 | 0.001408 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -20 | 4.70 | 0.006620 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -10 | 3.30 | 0.004648 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 0 | -2.60 | -0.003662 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 10 | -0.60 | -0.000845 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 20 | 3.20 | 0.004507 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 30 | 3.30 | 0.004648 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 40 | -6.20 | -0.008732 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 50 | 1.80 | 0.002535 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -30 | 4.90 | 0.006892 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -20 | -3.60 | -0.005063 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -10 | -10.30 | -0.014487 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 0 | 2.90 | 0.004079 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 10 | 6.40 | 0.009001 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 20 | -1.20 | -0.001688 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 30 | -5.90 | -0.008298 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 40 | 1.30 | 0.001828 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 50 | -8.30 | -0.011674 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -30 | -3.10 | -0.004372 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -20 | 3.20 | 0.004513 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -10 | -4.00 | -0.005642 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 0 | -7.60 | -0.010719 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 10 | 4.90 | 0.006911 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 20 | 4.50 | 0.006347 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 30 | 2.30 | 0.003244 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 40 | 3.20 | 0.004513 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 50 | 3.10 | 0.004372 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -30 | 2.40 | 0.003380 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -20 | -3.60 | -0.005070 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -10 | 3.80 | 0.005352 | ±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 | -2.90 | -0.004085 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 20 | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 30 | 3.50 | 0.004930 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 40 | 6.30 | 0.008873 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 50 | -2.60 | -0.003662 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -30 | 4.50 | 0.006329 | ±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 | -10 | -3.20 | -0.004501 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 0 | -5.00 | -0.007032 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 10 | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 20 | 2.70 | 0.003797 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 30 | 7.60 | 0.010689 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 40 | -6.10 | -0.008579 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 50 | 0.00 | 0.000000 | ±2.5 | PASS |



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