

Appendix for WCDMA test report

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Results

| Test Band | Test Mode | Test Channel | Conducted power[dBm] | EIRP(dBm) | Limit [dBm] | Verdict |
|-----------|-----------|--------------|----------------------|-----------|-------------|---------|
| WCDMA1900 | UMTS/TM1 | LCH | 22.65 | 22.15 | 33 | PASS |
| | | MCH | 23.21 | 22.71 | 33 | PASS |
| | | HCH | 23.32 | 22.82 | 33 | PASS |
| WCDMA1700 | UMTS/TM1 | LCH | 22.57 | 21.97 | 30 | PASS |
| | | MCH | 22.82 | 22.22 | 30 | PASS |
| | | HCH | 23.36 | 22.76 | 30 | PASS |
| WCDMA850 | UMTS/TM1 | LCH | 23.25 | 21.25 | 38.5 | PASS |
| | | MCH | 23.29 | 21.29 | 38.5 | PASS |
| | | HCH | 23.31 | 21.31 | 38.5 | PASS |

Note 1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]}$$

$$\text{EIRP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]}$$

b, SGP=Signal Generator Level

c, Antenna gain of WCDMA1900 is -0.5dBi; Antenna gain of WCDMA1700 is -0.6dBi; Antenna gain of WCDMA850 is -2.0dBi;

Note 2:

SET Span=1.5*OBW

SET RBW=1% of the OBW, not to exceed 1MHz

SET VBW \geq 3*RBW

SET SWEEP time=auto couple

Detector: RMS

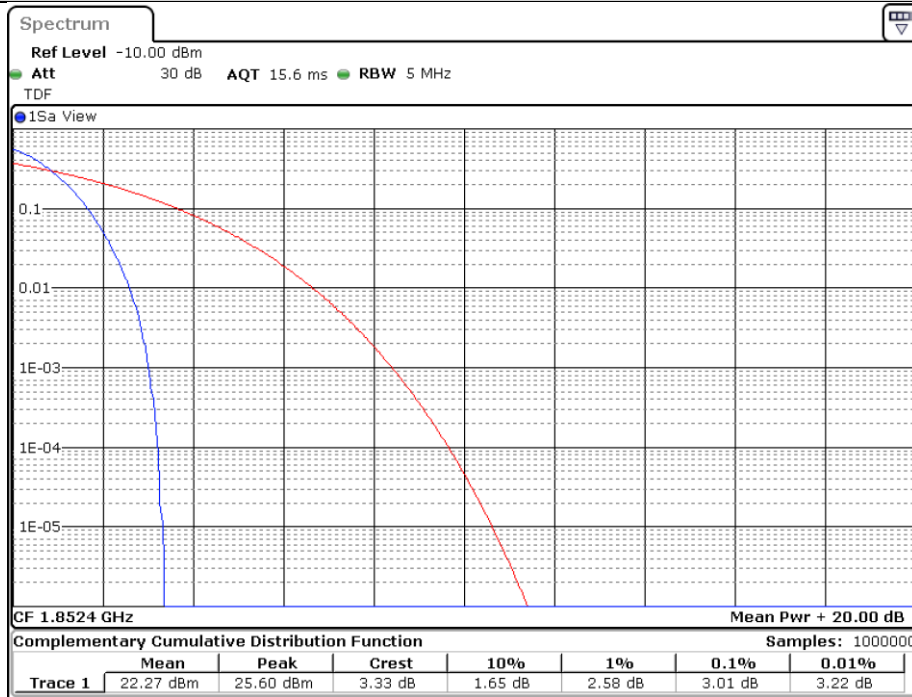
Appendix B: Peak-to-Average Ratio

Test Results

| Test Band | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|-----------|-----------|--------------|--------------|------------|---------|
| WCDMA1900 | UMTS/TM1 | LCH | 3.01 | 13 | PASS |
| | | MCH | 2.93 | 13 | PASS |
| | | HCH | 2.87 | 13 | PASS |
| WCDMA1700 | UMTS/TM1 | LCH | 3.07 | 13 | PASS |
| | | MCH | 3.07 | 13 | PASS |
| | | HCH | 3.1 | 13 | PASS |
| WCDMA850 | UMTS/TM1 | LCH | 3.07 | 13 | PASS |
| | | MCH | 3.1 | 13 | PASS |
| | | HCH | 3.1 | 13 | PASS |

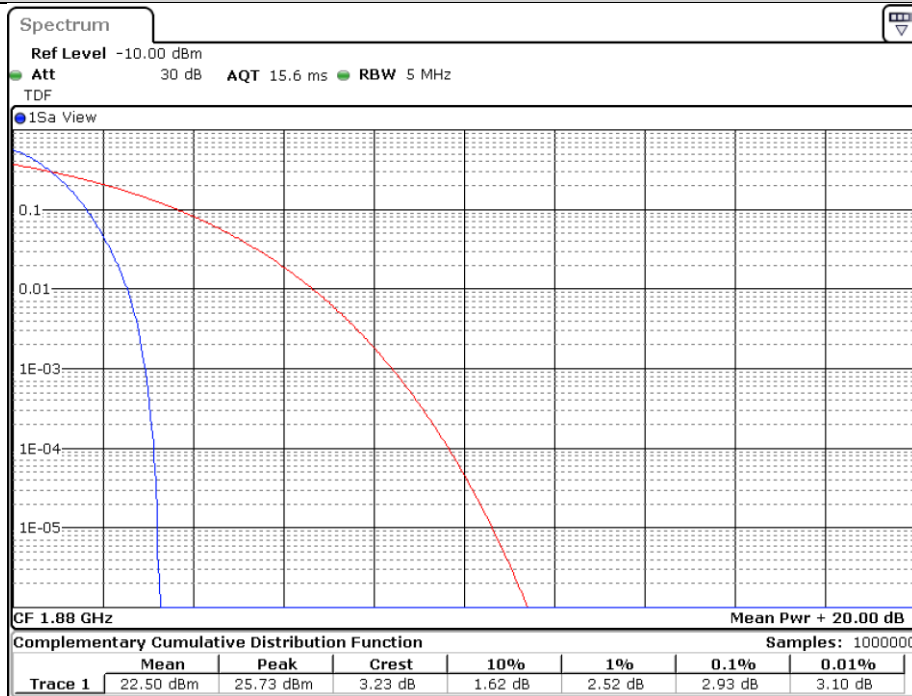
Test Graphs

Band2-9262



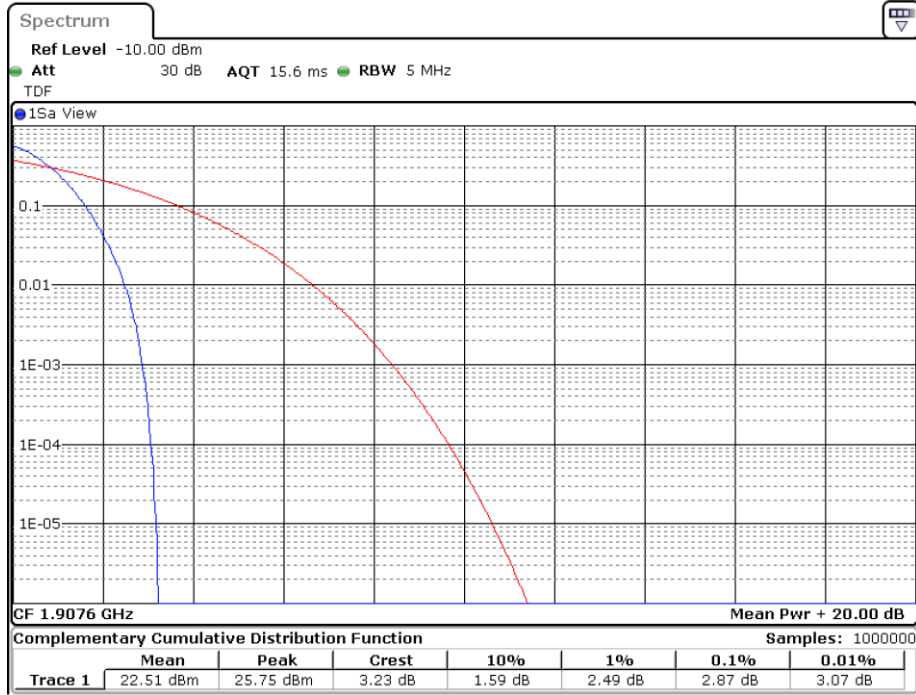
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Band2-9400



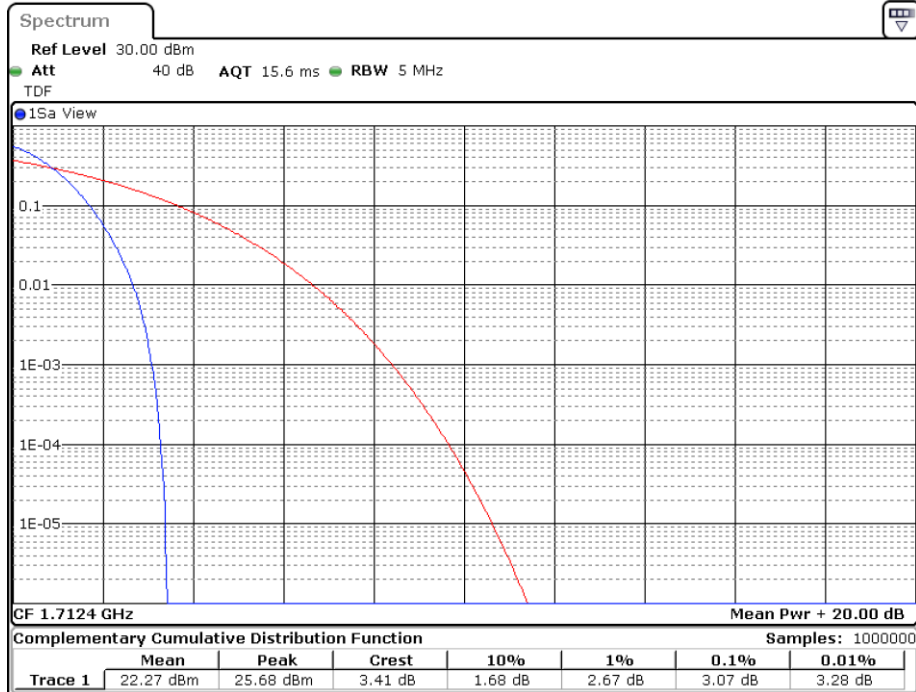
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Band2-9538



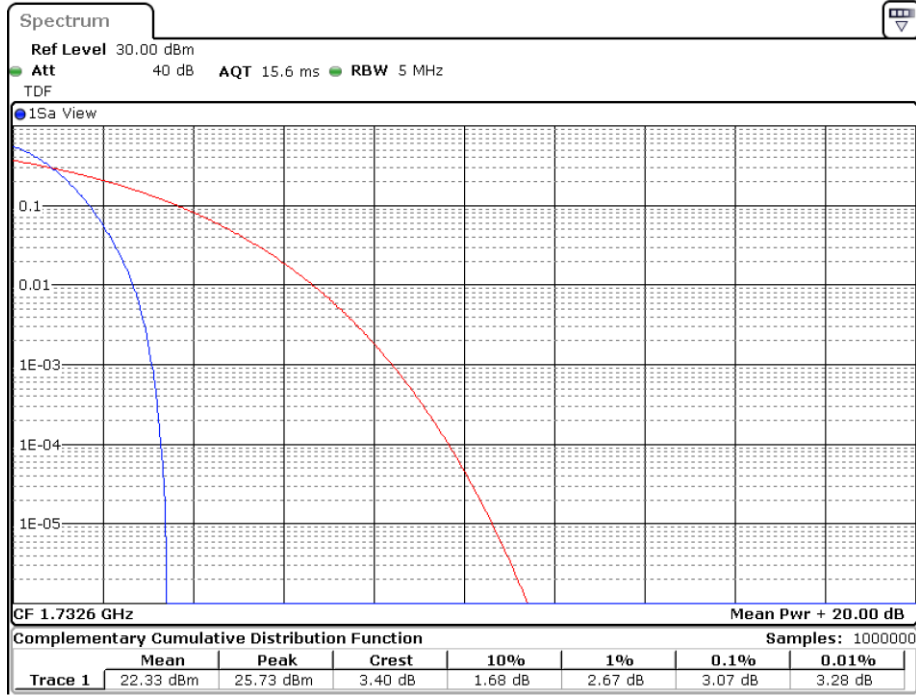
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Band4-1312



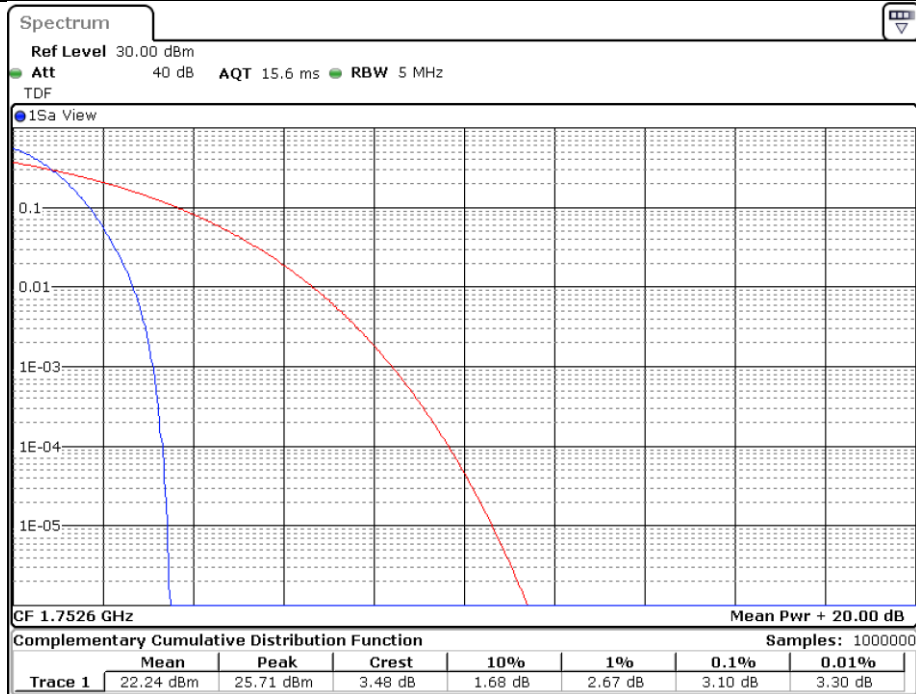
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Band4-1413



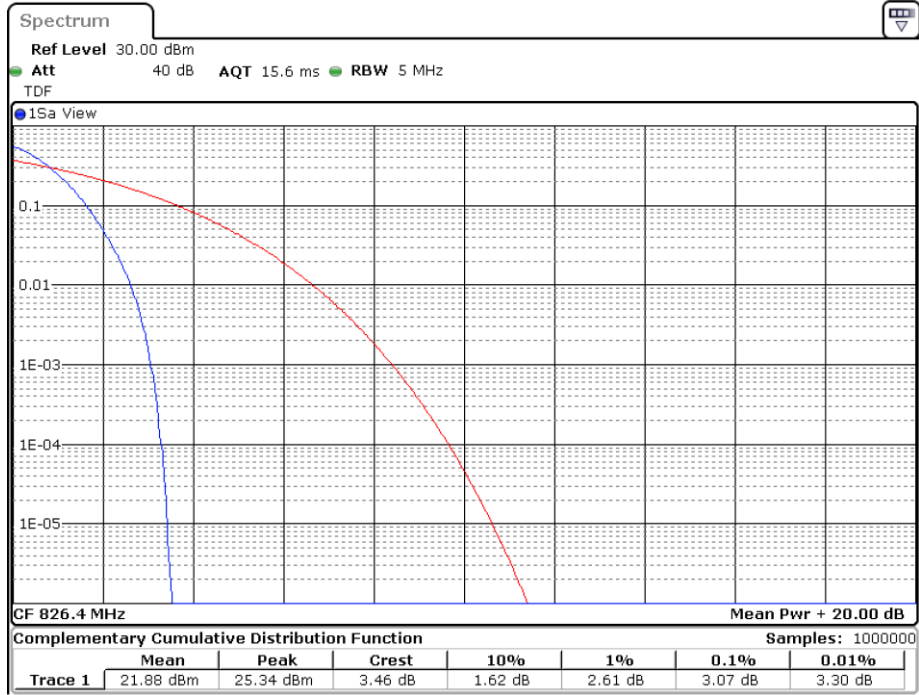
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Band4-1513



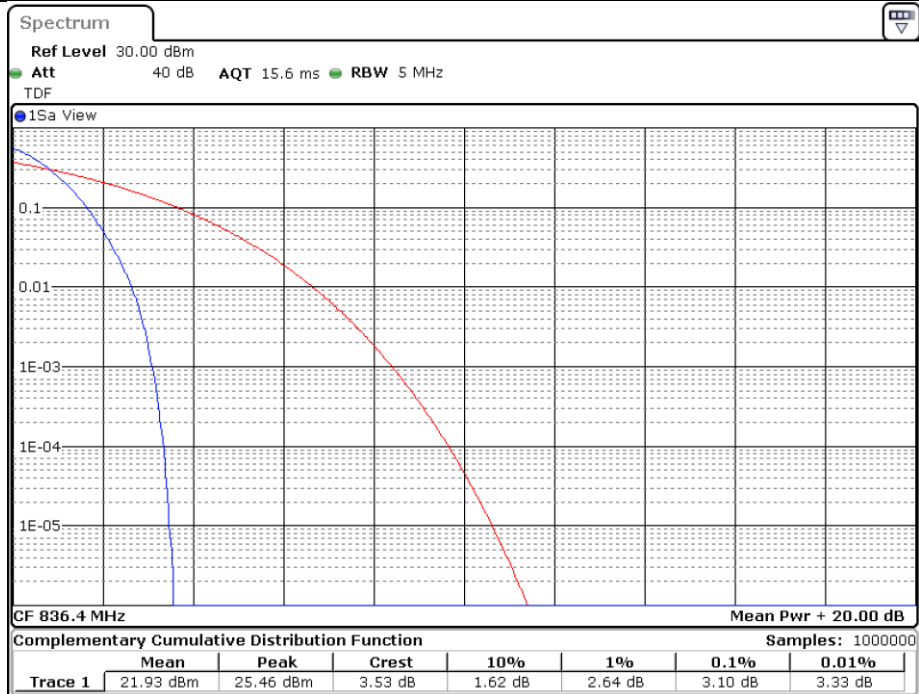
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Band5-4132



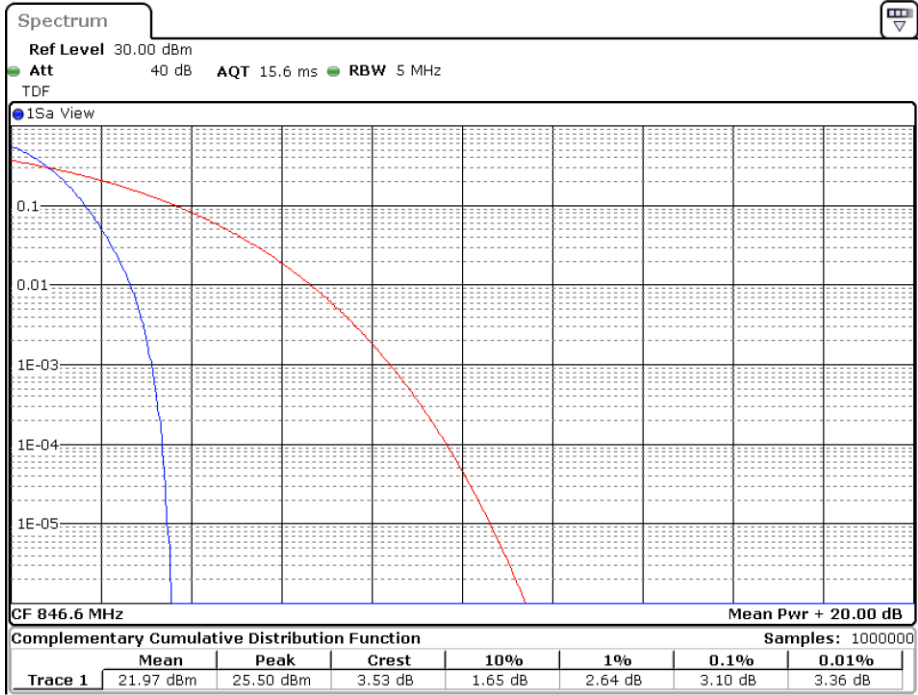
Date: 21.AUG.2020 12:02:59

Band5-4182



Date: 21.AUG.2020 12:03:12

Band5-4233



Date: 21.AUG.2020 12:03:26

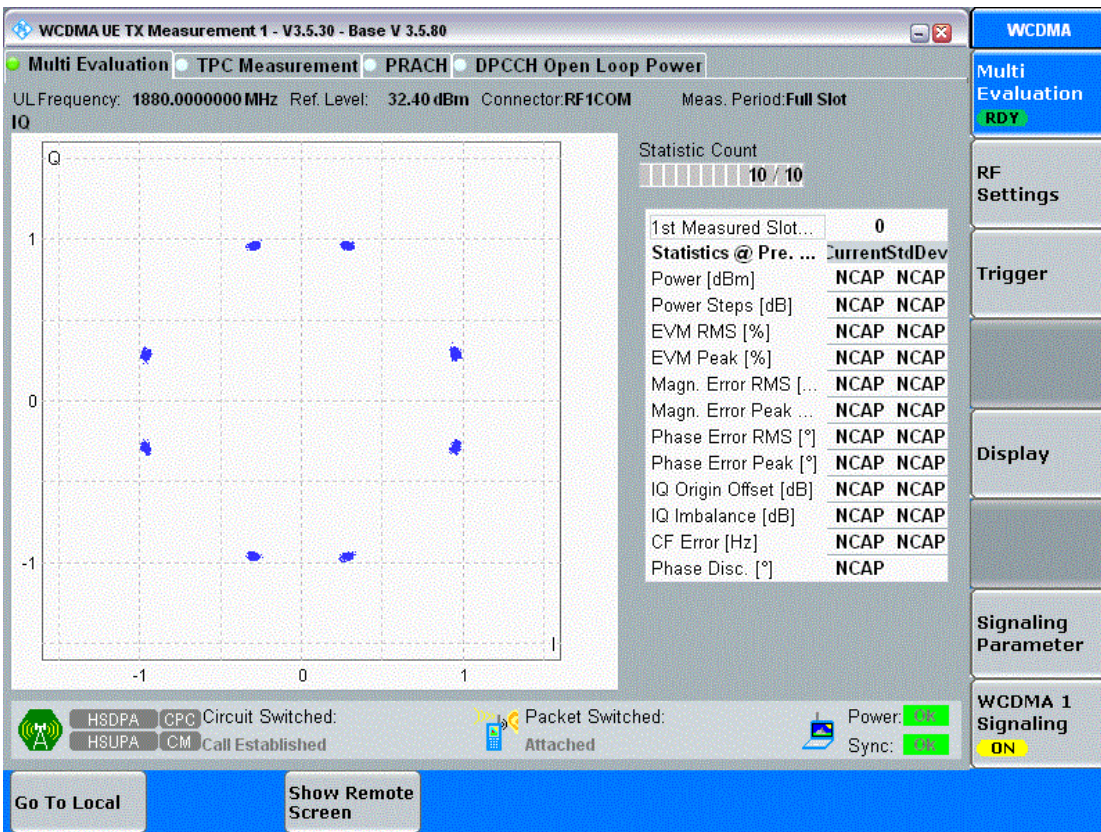
Appendix C: Modulation Characteristics

Test Plots

Test Band = WCDMA1900

Test Mode = UMTS/TM1

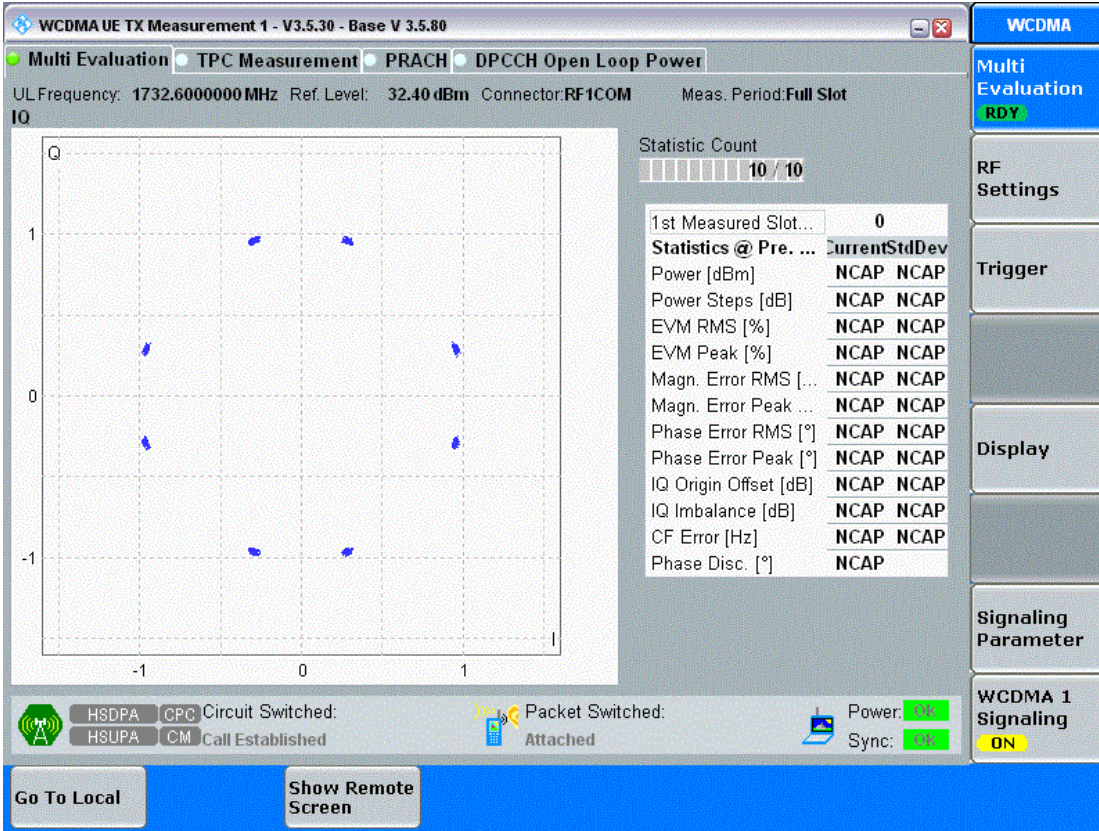
Test Channel = MCH



Test Band = WCDMA1700

Test Mode = UMTS/TM1

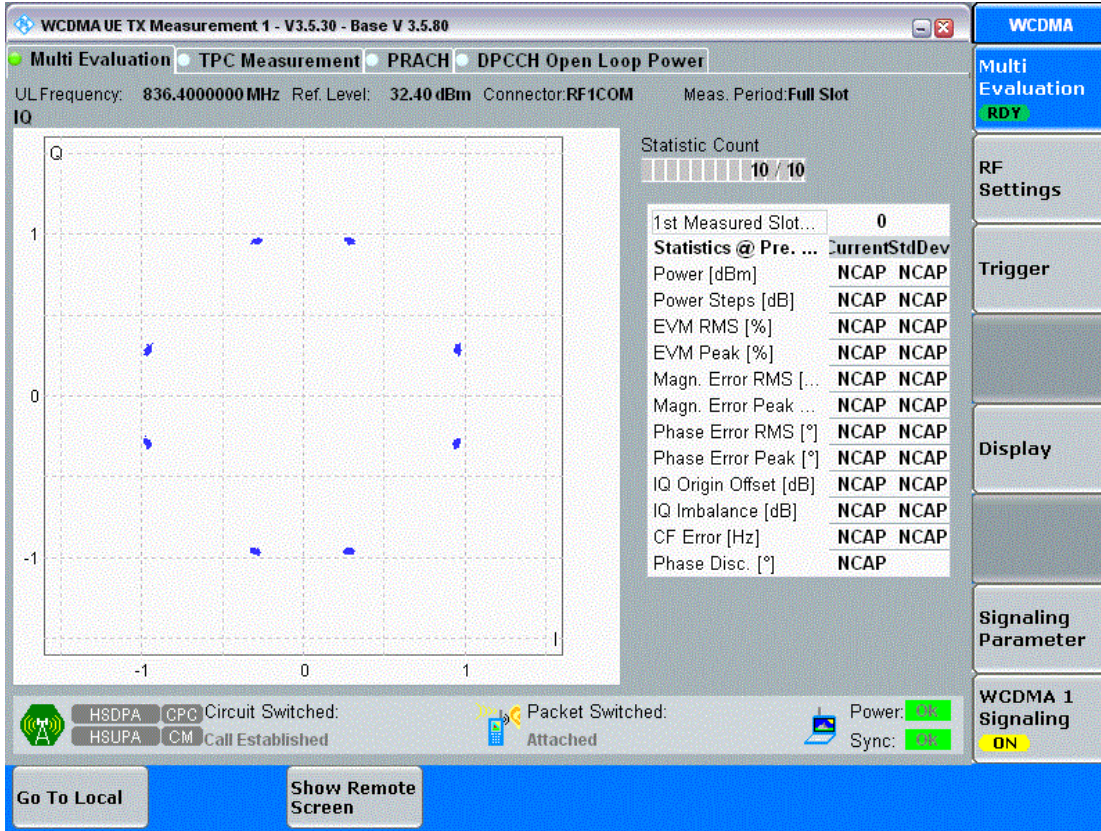
Test Channel = MCH



Test Band = WCDMA850

Test Mode = UMTS/TM1

Test Channel = MCH



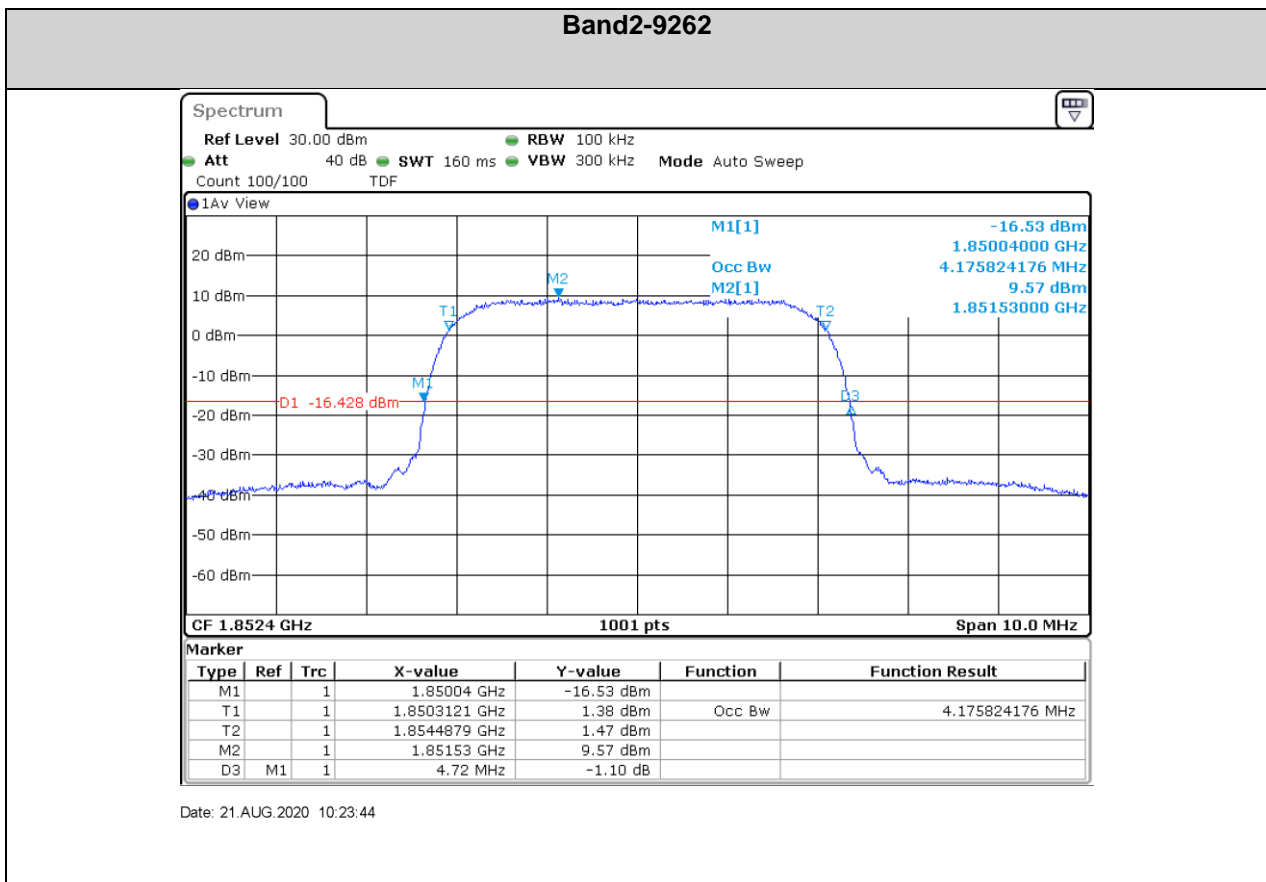
Appendix D: Bandwidth

Test Results

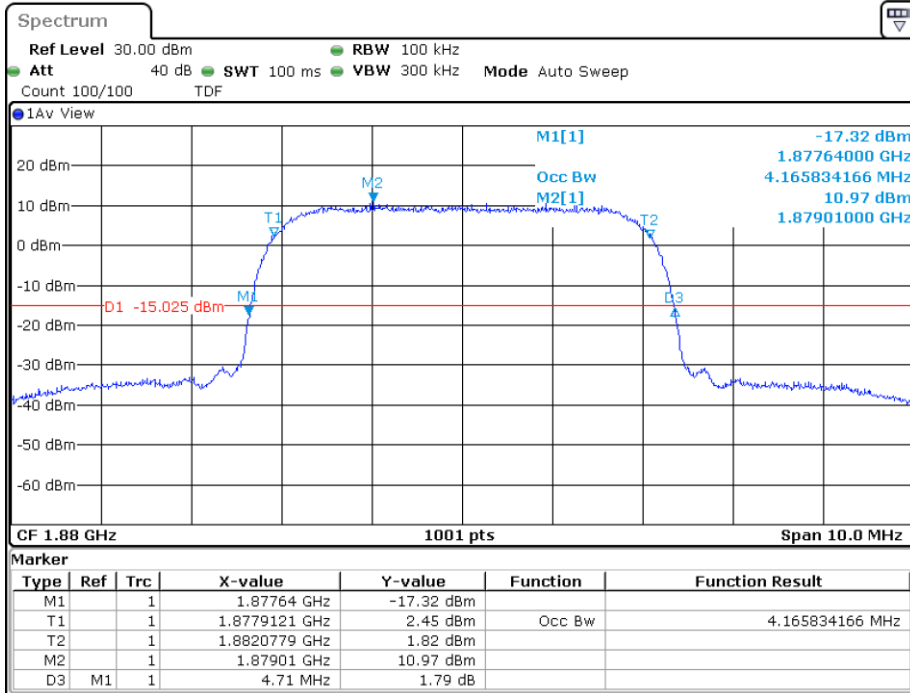
| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|--------------|--------------------------|--------------------------|---------|
| WCDMA1900 | UMTS/TM1 | LCH | 4.176 | 4.720 | Pass |
| | | MCH | 4.166 | 4.710 | Pass |
| | | HCH | 4.166 | 4.720 | Pass |
| WCDMA1700 | UMTS/TM1 | LCH | 4.156 | 4.700 | Pass |
| | | MCH | 4.156 | 4.700 | Pass |
| | | HCH | 4.166 | 4.700 | Pass |
| WCDMA850 | UMTS/TM1 | LCH | 4.166 | 4.710 | Pass |
| | | MCH | 4.166 | 4.710 | Pass |
| | | HCH | 4.176 | 4.700 | Pass |

Test Graphs

Test Mode = UMTS/TM1

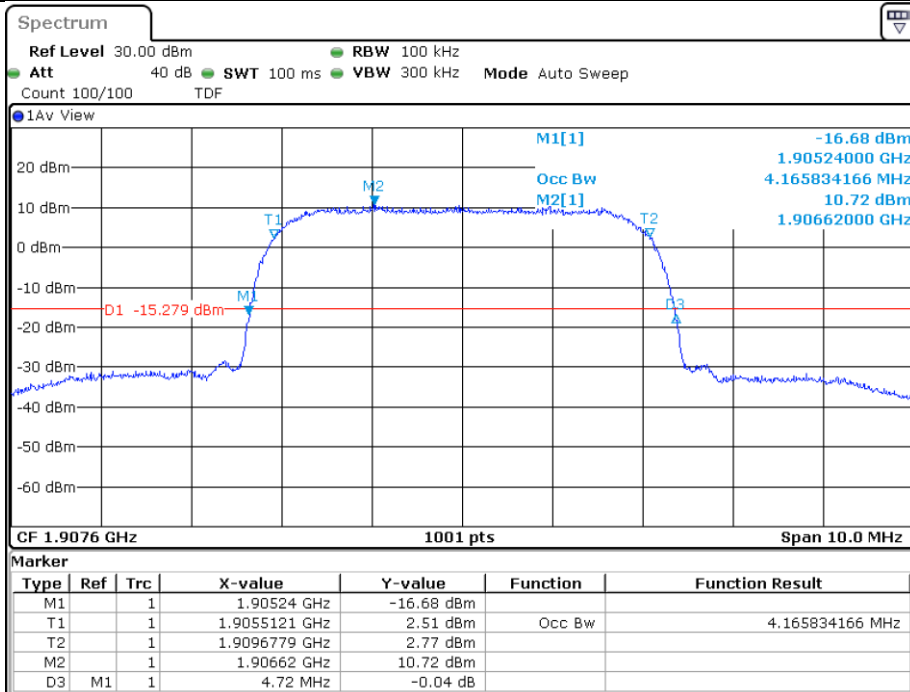


Band2-9400



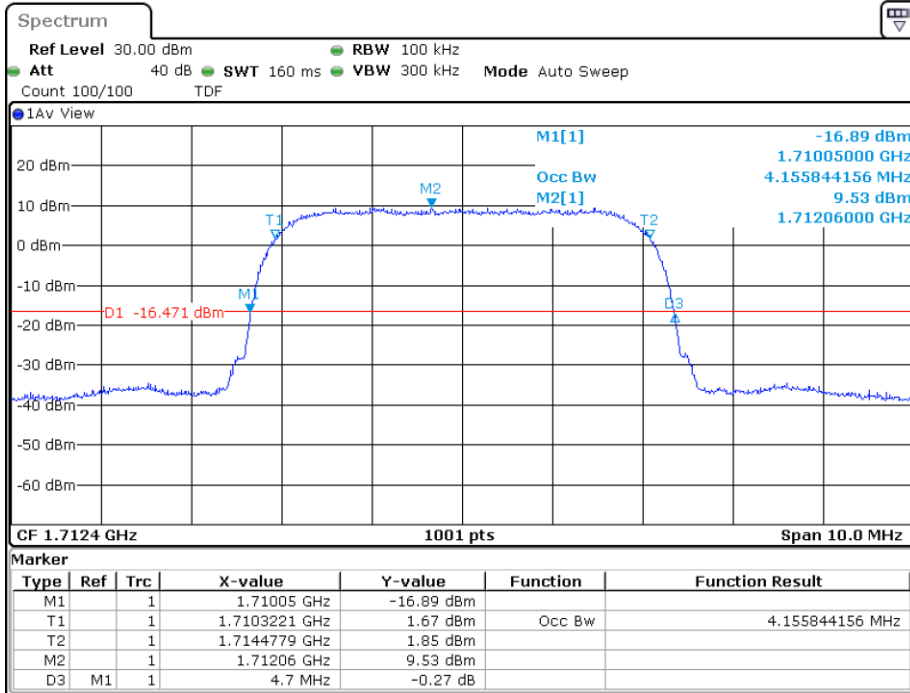
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Band2-9538



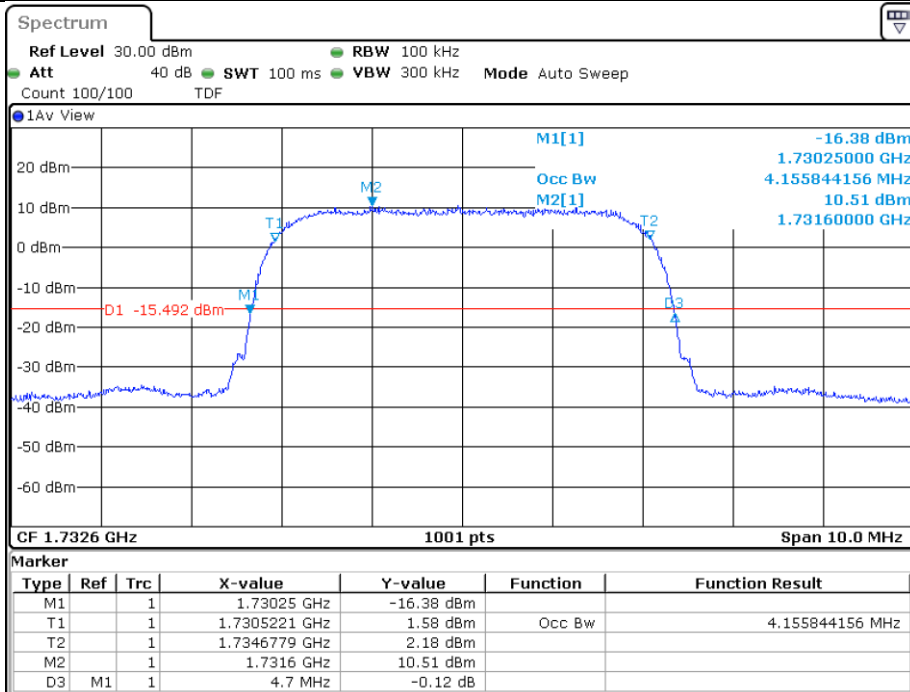
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Band4-1312



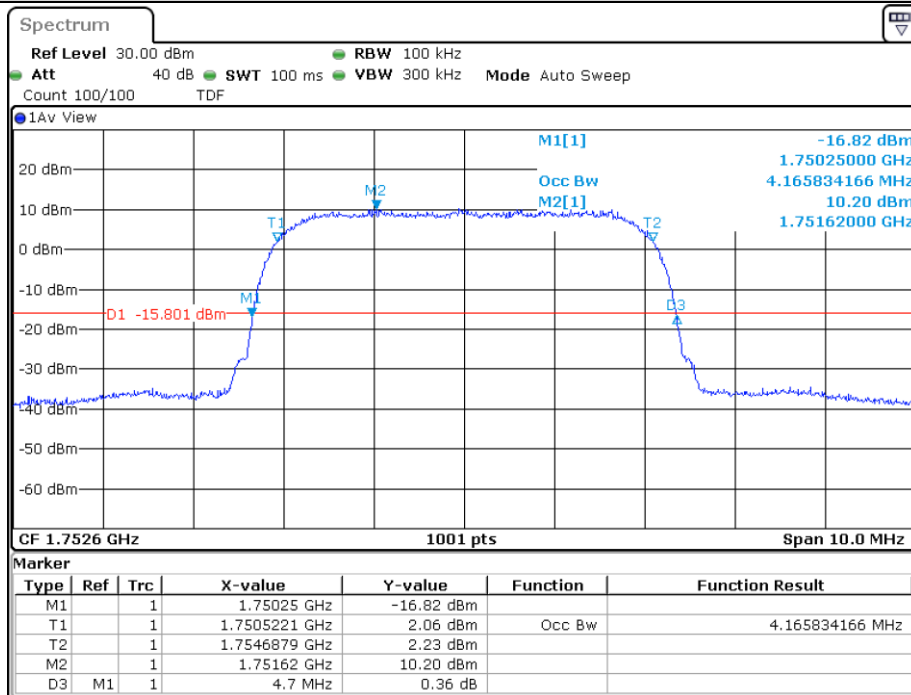
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Band4-1413



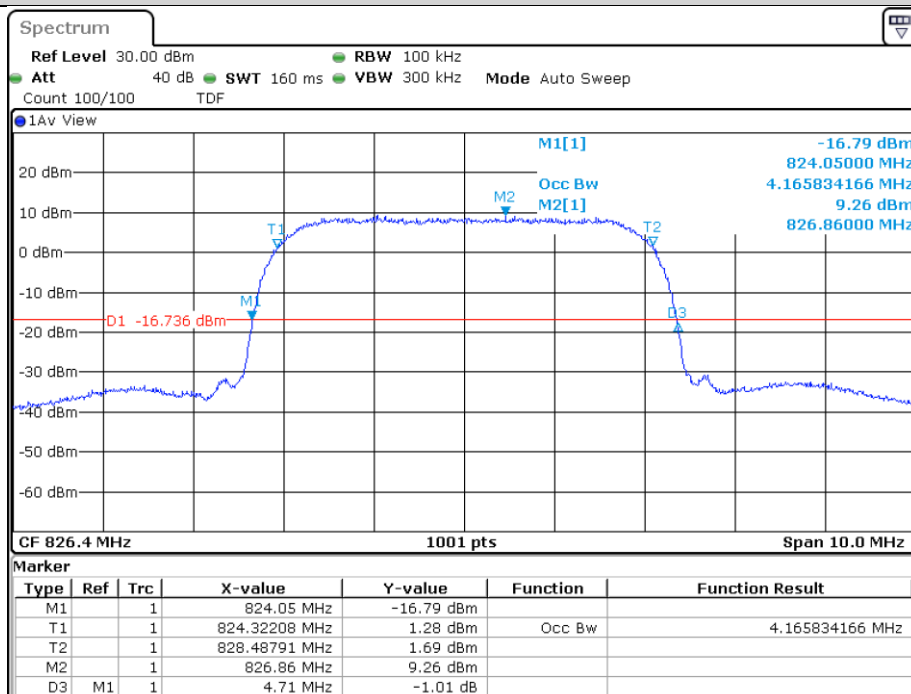
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Band4-1513



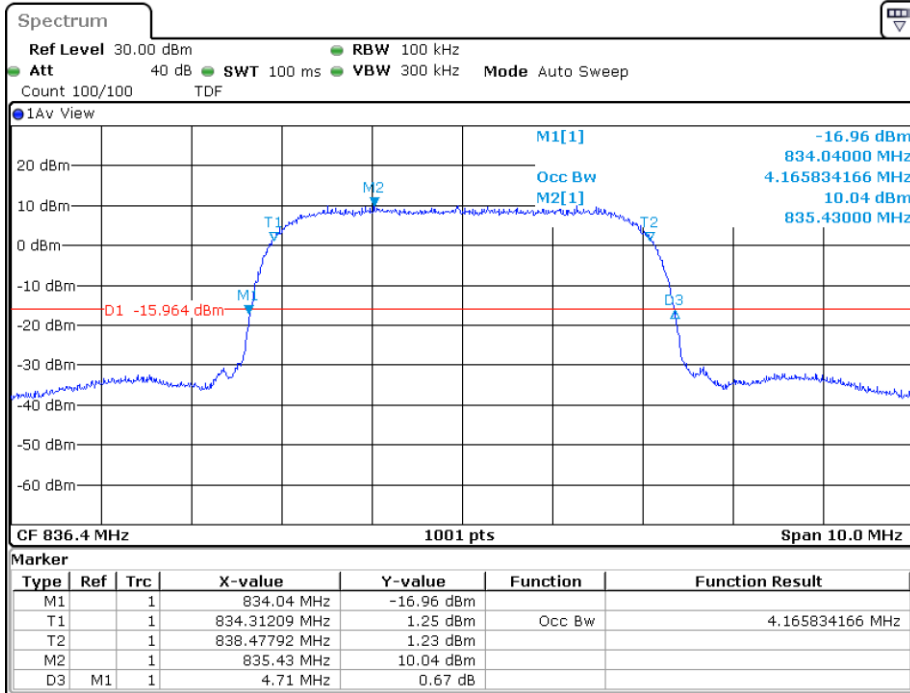
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Band5-4132



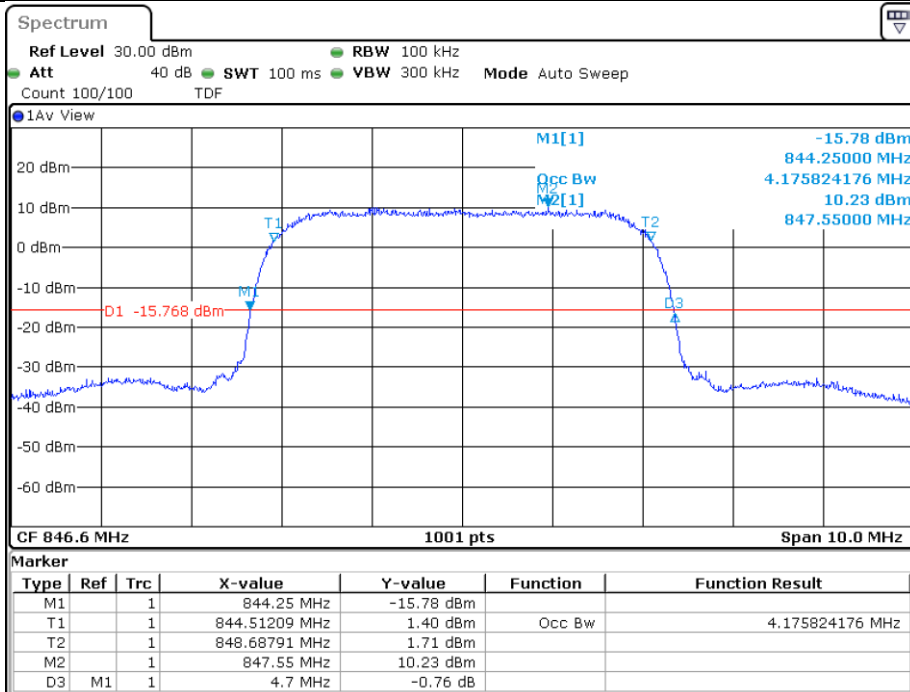
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Band5-4182



Date: 21.AUG.2020 12:07:50

Band5-4233



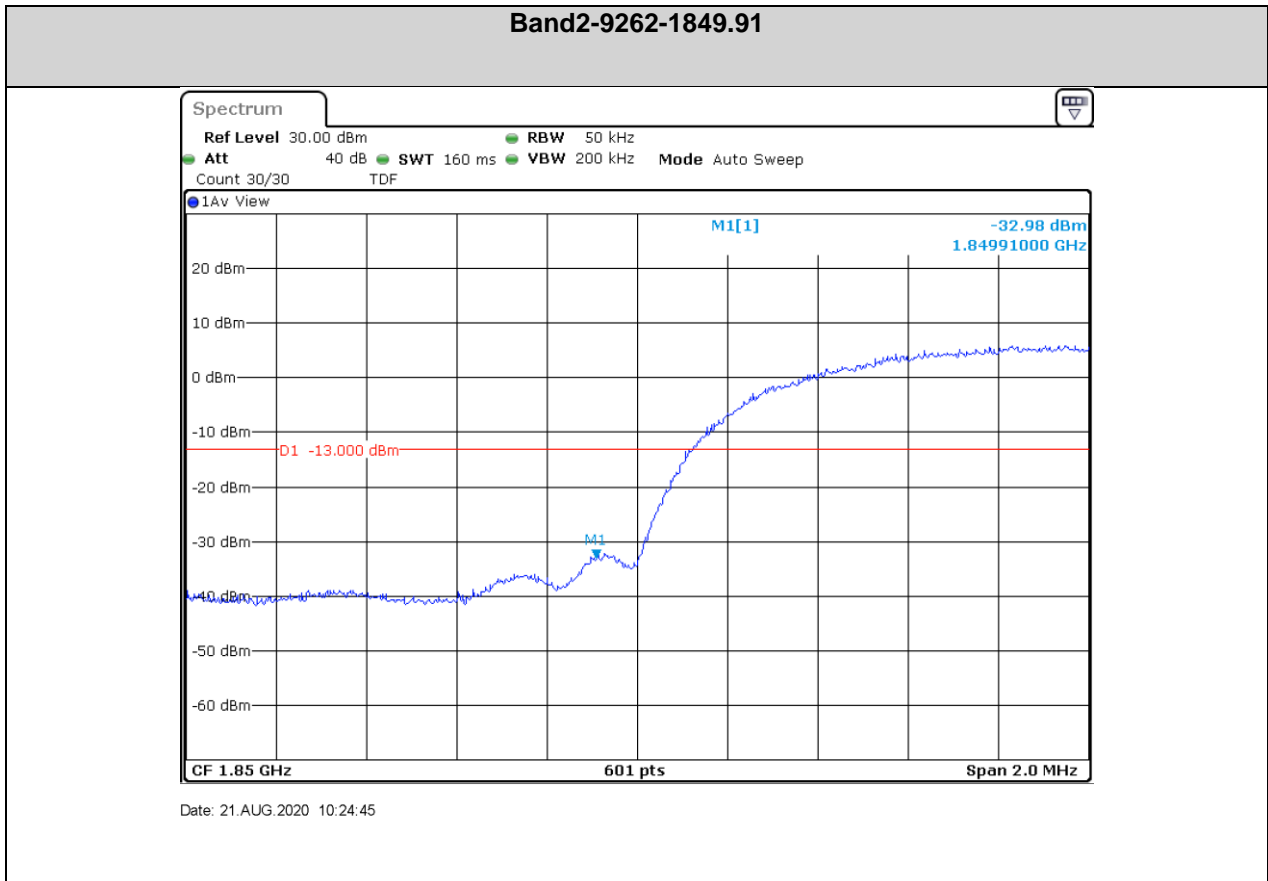
Date: 21.AUG.2020 12:08:13

Appendix E: Band Edges Compliance

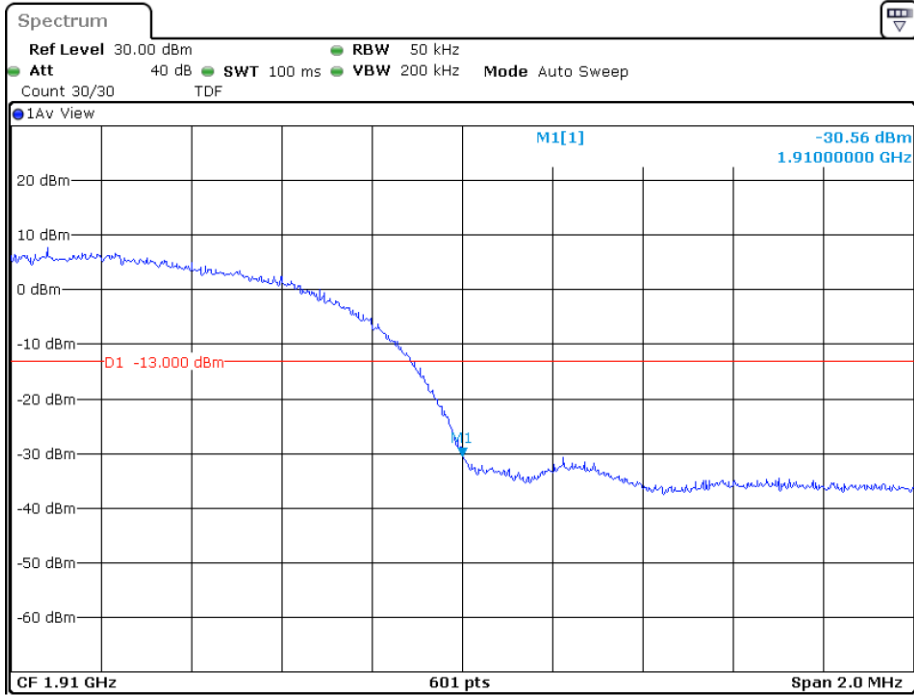
Test Result

| Band | Channel | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|--------------|------------|---------|
| Band2 | 9262 | 1849.91 | -32.13 | -13 | PASS |
| Band2 | 9538 | 1910.00 | -30.56 | -13 | PASS |
| Band4 | 1312 | 1709.92 | -30.05 | -13 | PASS |
| Band4 | 1513 | 1755.05 | -28.97 | -13 | PASS |
| Band5 | 4132 | 824.00 | -32.33 | -13 | PASS |
| Band5 | 4233 | 849.06 | -31.15 | -13 | PASS |

Test Graphs

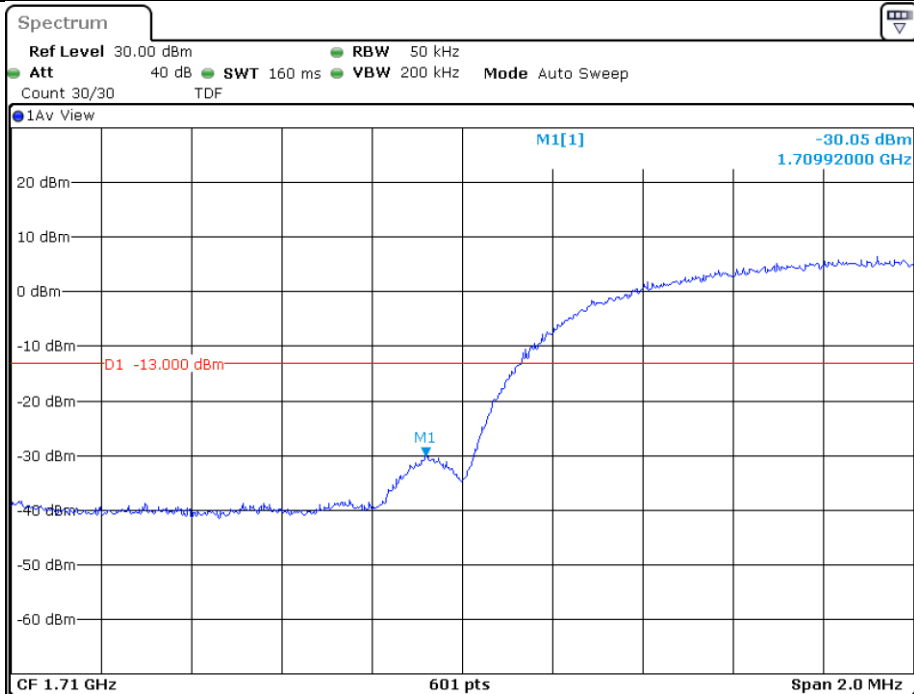


Band2-9538-1910.00



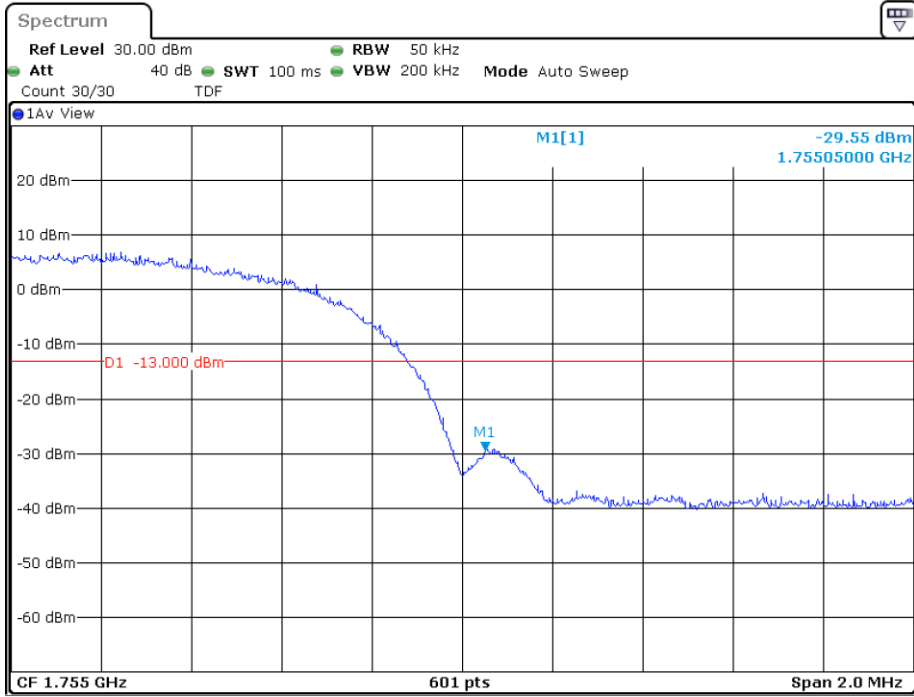
Date: 21.AUG.2020 10:24:59

Band4-1312-1709.92



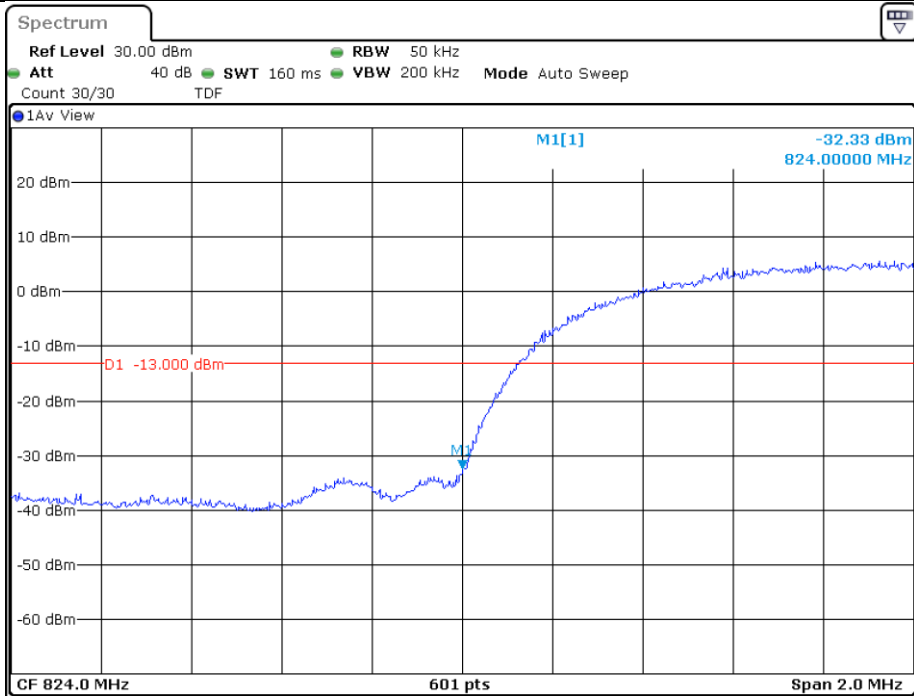
Date: 21.AUG.2020 11:18:29

Band4-1513-1755.05



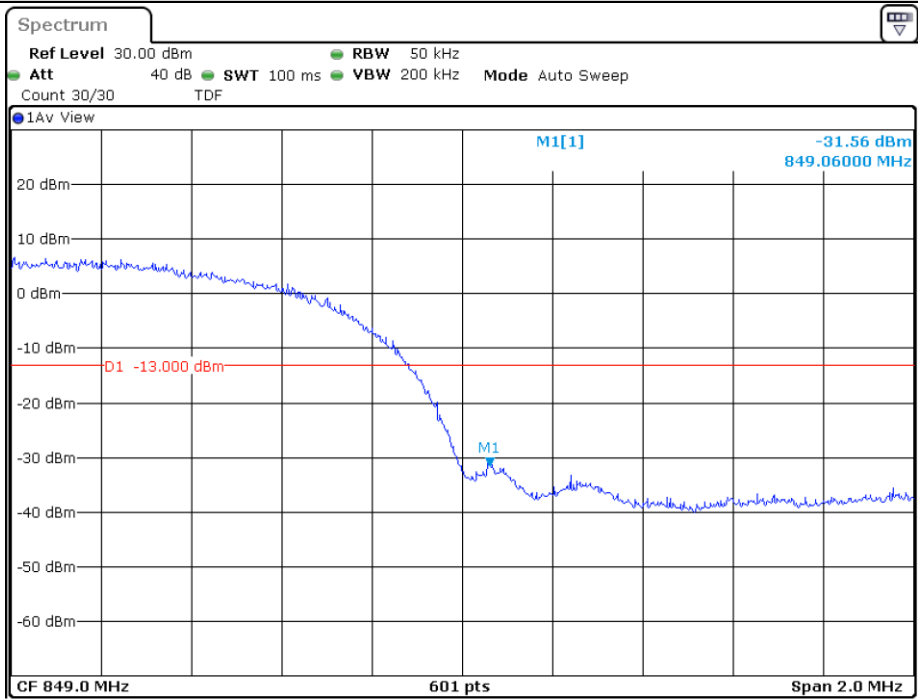
Date: 21.AUG.2020 11:18:43

Band5-4132-824.00



Date: 21.AUG.2020 12:08:29

Band5-4233-849.06



Date: 21.AUG.2020 12:08:43

Appendix F: Spurious Emission at Antenna Terminal

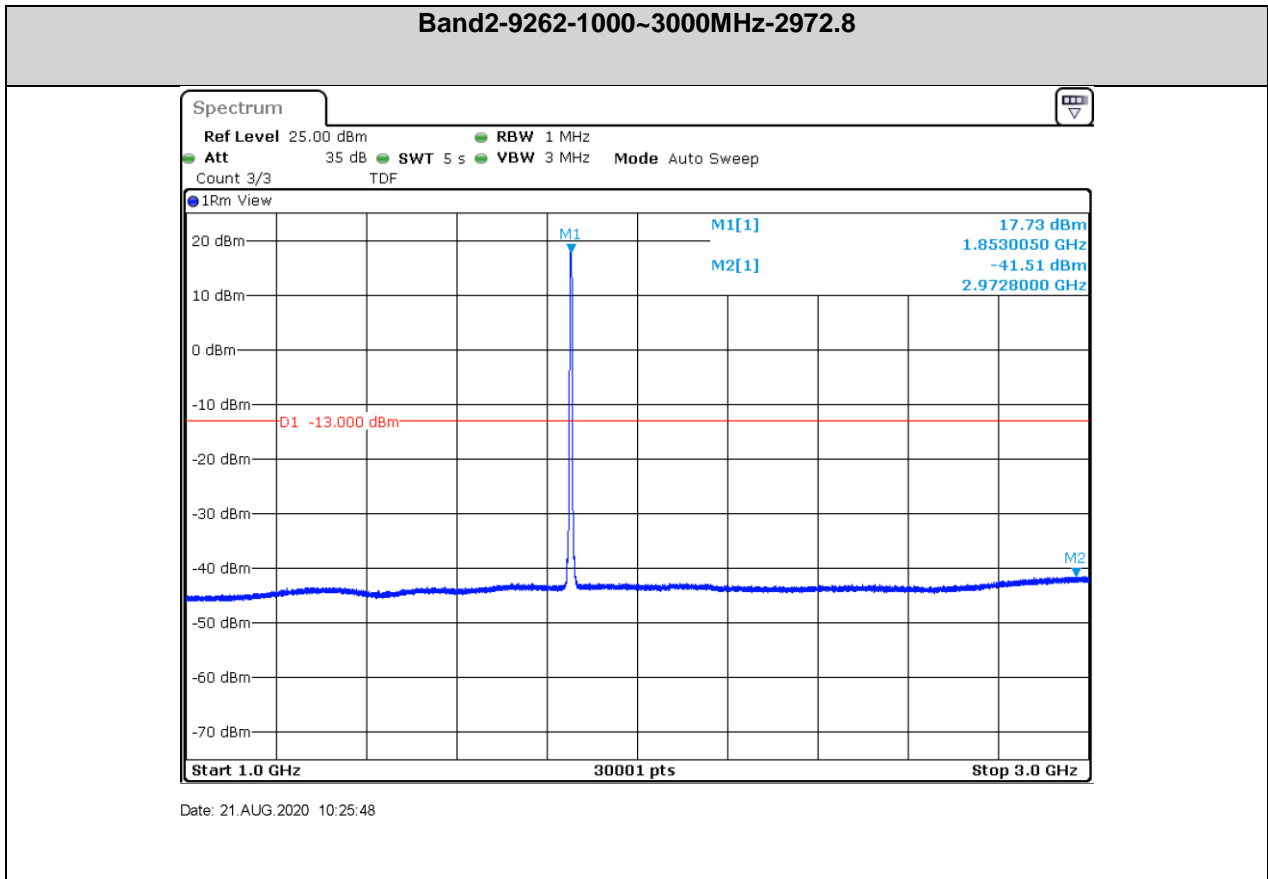
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k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

Test Result

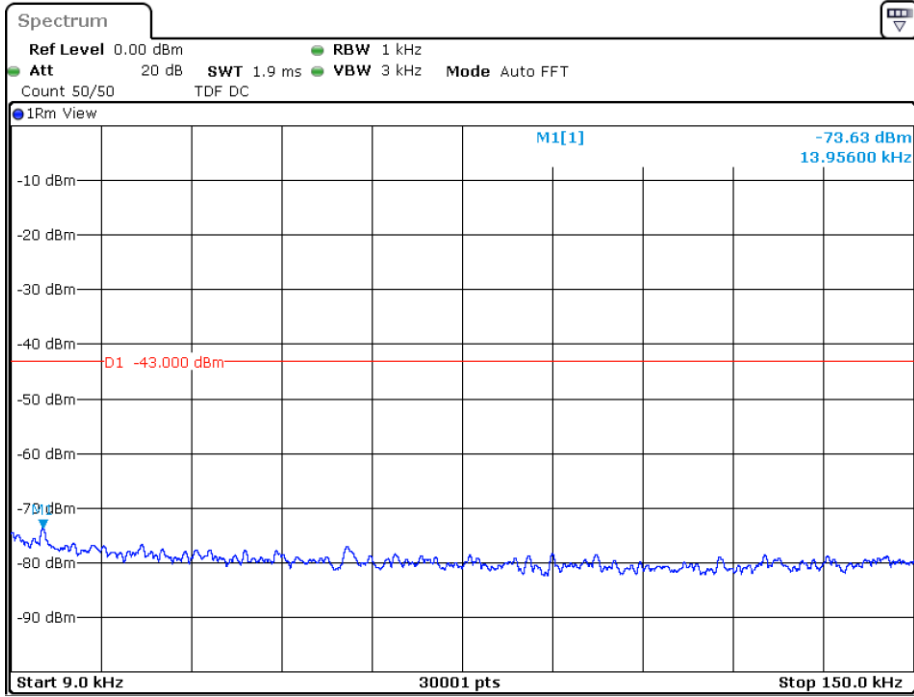
| Band | Channel | Frequency Range (MHz) | Frequency (dBm) | Result (dBm) | Limit (dBm) | Verdict |
|-------|---------|-----------------------|-----------------|--------------|-------------|---------|
| Band2 | 9262 | 1000~3000MHz | 2972.8 | -41.51 | -13 | PASS |
| Band2 | 9262 | 0.009~0.15MHz | 0.01 | -73.63 | -43 | PASS |
| Band2 | 9262 | 3000~10000MHz | 5842.02 | -51.11 | -13 | PASS |
| Band2 | 9262 | 30~1000MHz | 892.12 | -35.31 | -13 | PASS |
| Band2 | 9262 | 0.15~30MHz | 23.19 | -49.84 | -23 | PASS |
| Band2 | 9262 | 10000~20000MHz | 19882.84 | -61.6 | -13 | PASS |
| Band2 | 9400 | 0.009~0.15MHz | 0.01 | -73.99 | -43 | PASS |
| Band2 | 9400 | 3000~10000MHz | 5988.78 | -51.05 | -13 | PASS |
| Band2 | 9400 | 1000~3000MHz | 2998.67 | -41.46 | -13 | PASS |
| Band2 | 9400 | 0.15~30MHz | 22.99 | -50.64 | -23 | PASS |
| Band2 | 9400 | 10000~20000MHz | 19897.17 | -61.46 | -13 | PASS |
| Band2 | 9400 | 30~1000MHz | 948.61 | -35.01 | -13 | PASS |
| Band2 | 9538 | 0.15~30MHz | 28.9 | -51.19 | -23 | PASS |
| Band2 | 9538 | 10000~20000MHz | 19894.17 | -61.59 | -13 | PASS |
| Band2 | 9538 | 3000~10000MHz | 3813.26 | -49.9 | -13 | PASS |
| Band2 | 9538 | 30~1000MHz | 998.11 | -34.39 | -13 | PASS |
| Band2 | 9538 | 0.009~0.15MHz | 0.01 | -74.14 | -43 | PASS |
| Band2 | 9538 | 1000~3000MHz | 2990.13 | -41.48 | -13 | PASS |
| Band4 | 1312 | 0.009~0.15MHz | 0.02 | -74.09 | -43 | PASS |
| Band4 | 1312 | 0.15~30MHz | 24.61 | -51.07 | -23 | PASS |
| Band4 | 1312 | 30~1000MHz | 980.55 | -35.21 | -13 | PASS |
| Band4 | 1312 | 1000~3000MHz | 2983 | -41.43 | -13 | PASS |
| Band4 | 1312 | 3000~10000MHz | 5897.55 | -50.97 | -13 | PASS |
| Band4 | 1312 | 10000~20000MHz | 19896.84 | -61.55 | -13 | PASS |
| Band4 | 1413 | 3000~10000MHz | 5820.09 | -51.12 | -13 | PASS |
| Band4 | 1413 | 10000~20000MHz | 19883.84 | -61.55 | -13 | PASS |
| Band4 | 1413 | 0.15~30MHz | 23.69 | -50.81 | -23 | PASS |
| Band4 | 1413 | 30~1000MHz | 925.26 | -34.99 | -13 | PASS |
| Band4 | 1413 | 1000~3000MHz | 2990.73 | -41.4 | -13 | PASS |
| Band4 | 1413 | 0.009~0.15MHz | 0.01 | -73.26 | -43 | PASS |
| Band4 | 1513 | 10000~20000MHz | 19894.17 | -61.5 | -13 | PASS |
| Band4 | 1513 | 0.009~0.15MHz | 0.02 | -74.62 | -43 | PASS |
| Band4 | 1513 | 1000~3000MHz | 2966.07 | -41.42 | -13 | PASS |
| Band4 | 1513 | 30~1000MHz | 992.29 | -34.58 | -13 | PASS |
| Band4 | 1513 | 0.15~30MHz | 24.23 | -51.12 | -23 | PASS |
| Band4 | 1513 | 3000~10000MHz | 5880.75 | -51.15 | -13 | PASS |
| Band5 | 4132 | 10000~18000MHz | 15149.03 | -63.39 | -13 | PASS |

| | | | | | | |
|-------|------|----------------|----------|--------|-----|------|
| Band5 | 4132 | 3000~10000MHz | 4127.78 | -50.01 | -13 | PASS |
| Band5 | 4132 | 1000~3000MHz | 2989.97 | -42.23 | -13 | PASS |
| Band5 | 4132 | 30~1000MHz | 971.48 | -34.67 | -13 | PASS |
| Band5 | 4132 | 0.15~30MHz | 22.87 | -49.48 | -13 | PASS |
| Band5 | 4132 | 0.009~0.15MHz | 0.01 | -74.73 | -33 | PASS |
| Band5 | 4182 | 1000~3000MHz | 2995.83 | -42.18 | -13 | PASS |
| Band5 | 4182 | 0.009~0.15MHz | 0.01 | -74.38 | -33 | PASS |
| Band5 | 4182 | 30~1000MHz | 942.09 | -34.45 | -13 | PASS |
| Band5 | 4182 | 3000~10000MHz | 4177.71 | -50.91 | -13 | PASS |
| Band5 | 4182 | 10000~18000MHz | 15148.23 | -63.44 | -13 | PASS |
| Band5 | 4182 | 0.15~30MHz | 23.35 | -51.29 | -13 | PASS |
| Band5 | 4233 | 0.009~0.15MHz | 0.01 | -72.75 | -33 | PASS |
| Band5 | 4233 | 0.15~30MHz | 25.34 | -50.66 | -13 | PASS |
| Band5 | 4233 | 30~1000MHz | 998.84 | -35.07 | -13 | PASS |
| Band5 | 4233 | 1000~3000MHz | 2973.3 | -42.29 | -13 | PASS |
| Band5 | 4233 | 3000~10000MHz | 5885.42 | -51.11 | -13 | PASS |
| Band5 | 4233 | 10000~18000MHz | 15166.63 | -63.35 | -13 | PASS |

Test Graphs

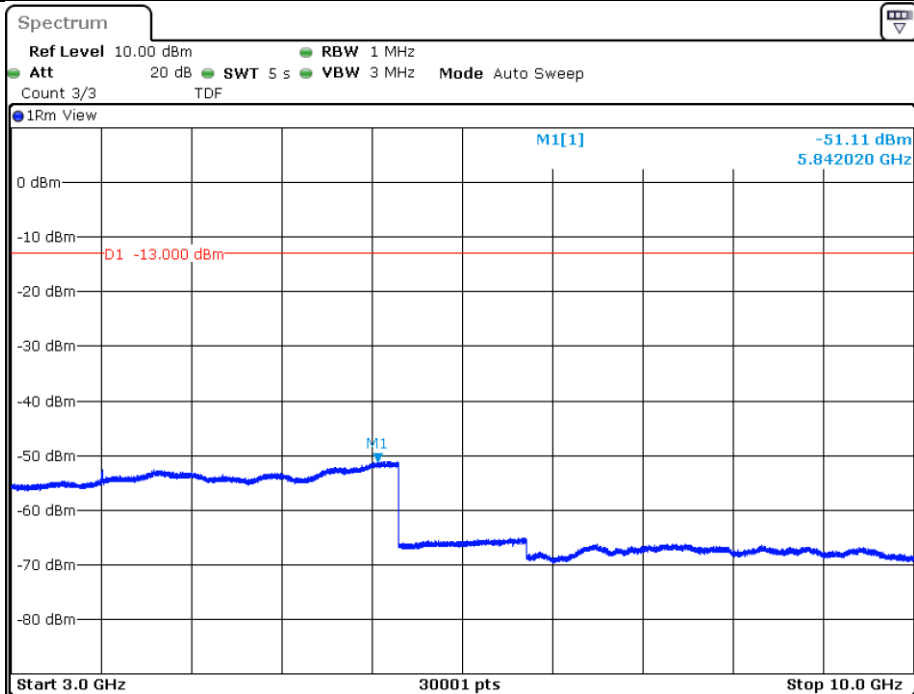


Band2-9262-0.009~0.15MHz-0.01



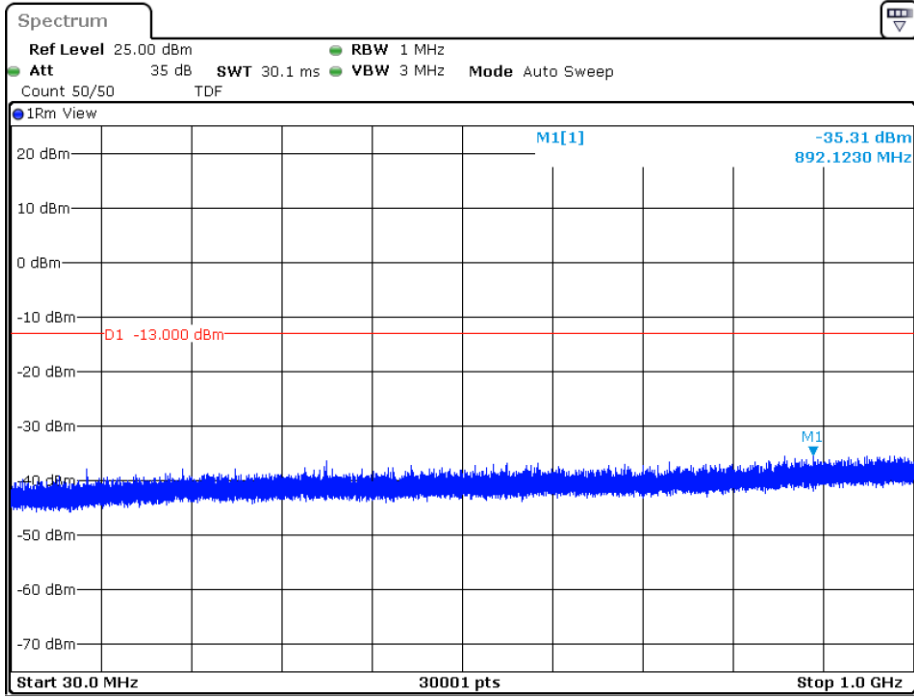
Date: 21.AUG.2020 10:25:11

Band2-9262-3000~10000MHz-5842.02



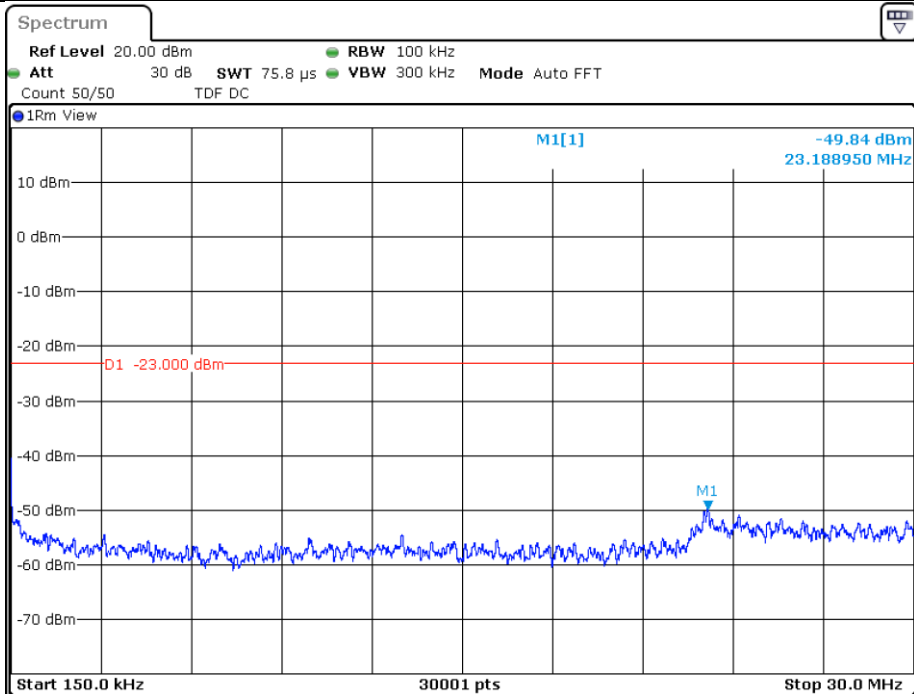
Date: 21.AUG.2020 10:26:11

Band2-9262-30~1000MHz-892.12



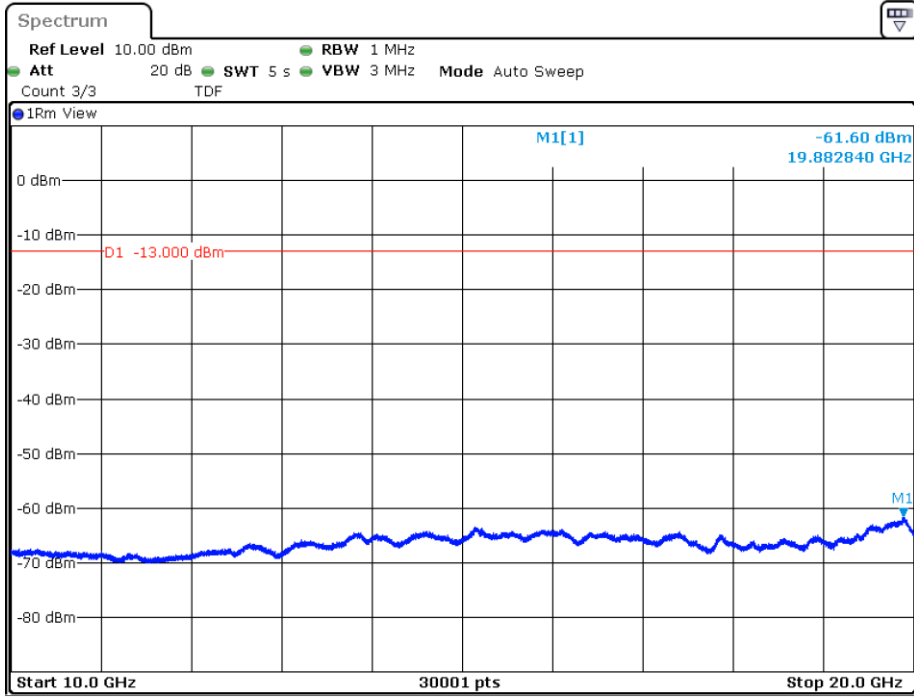
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Band2-9262-0.15~30MHz-23.19



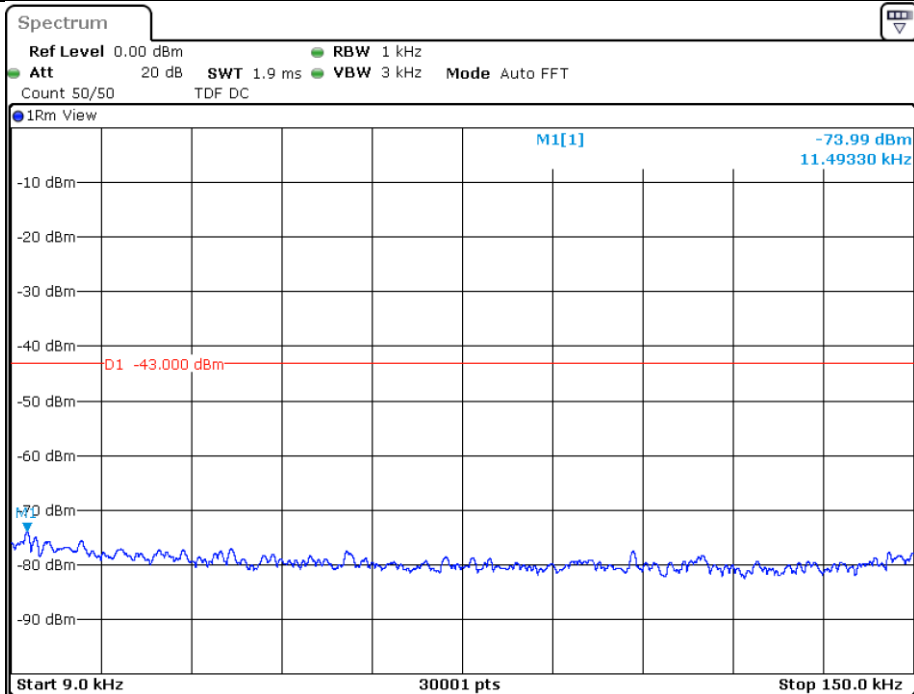
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Band2-9262-10000~20000MHz-19882.84



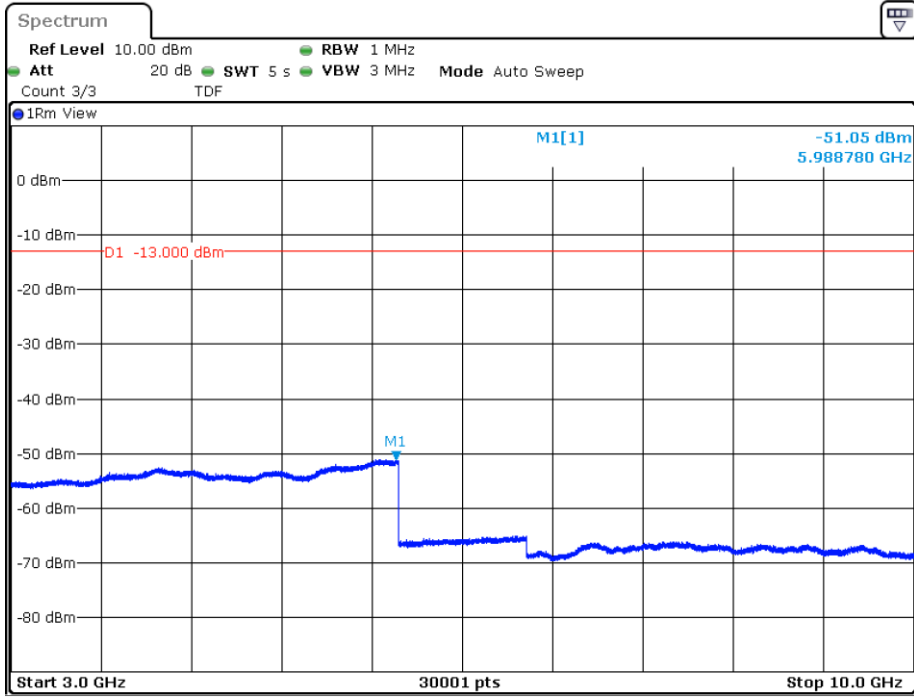
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Band2-9400-0.009~0.15MHz-0.01



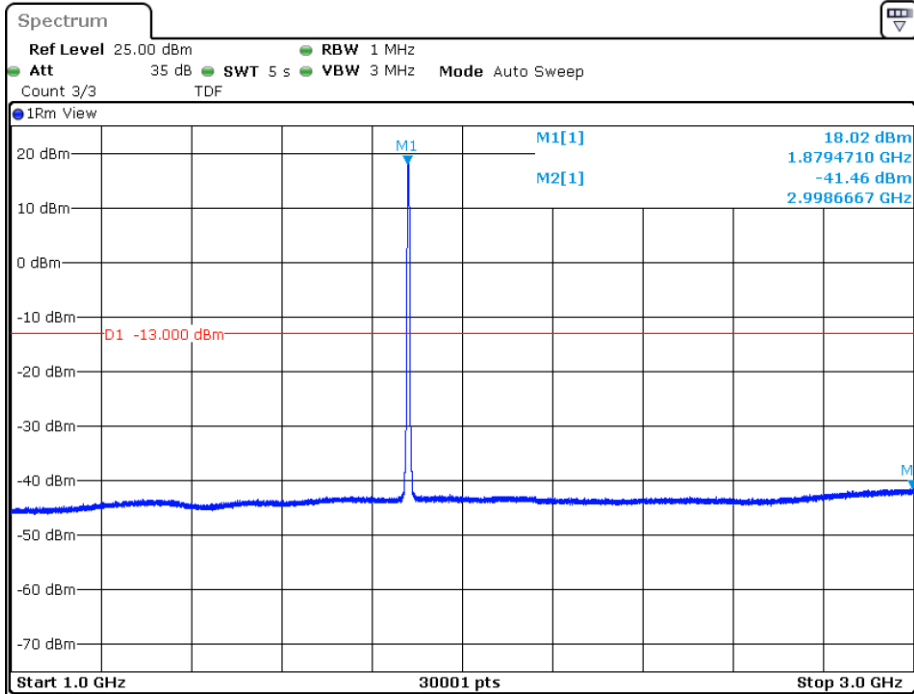
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Band2-9400-3000~10000MHz-5988.78



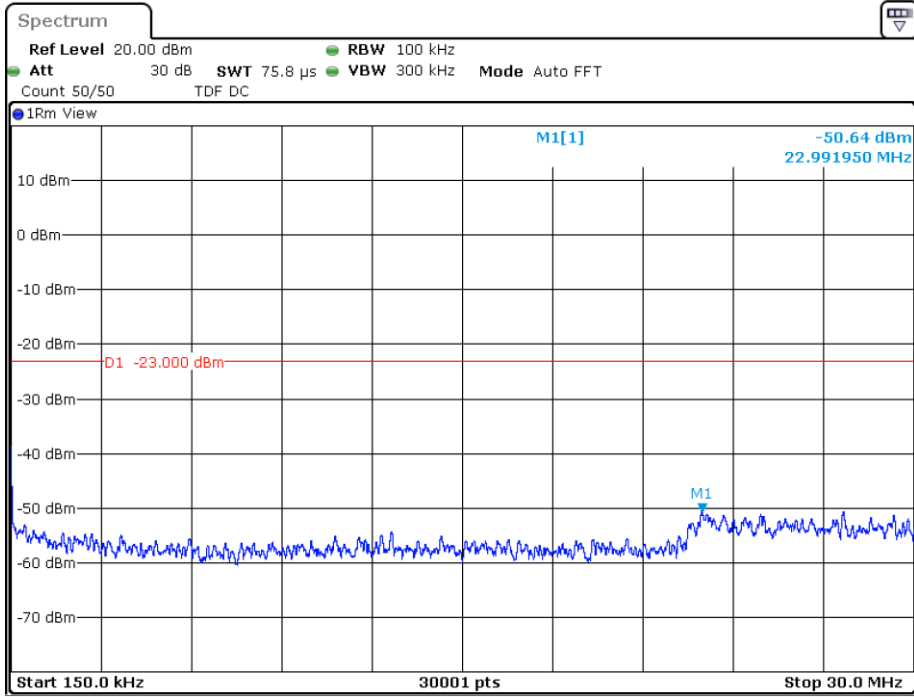
Date: 21.AUG.2020 10:27:45

Band2-9400-1000~3000MHz-2998.67



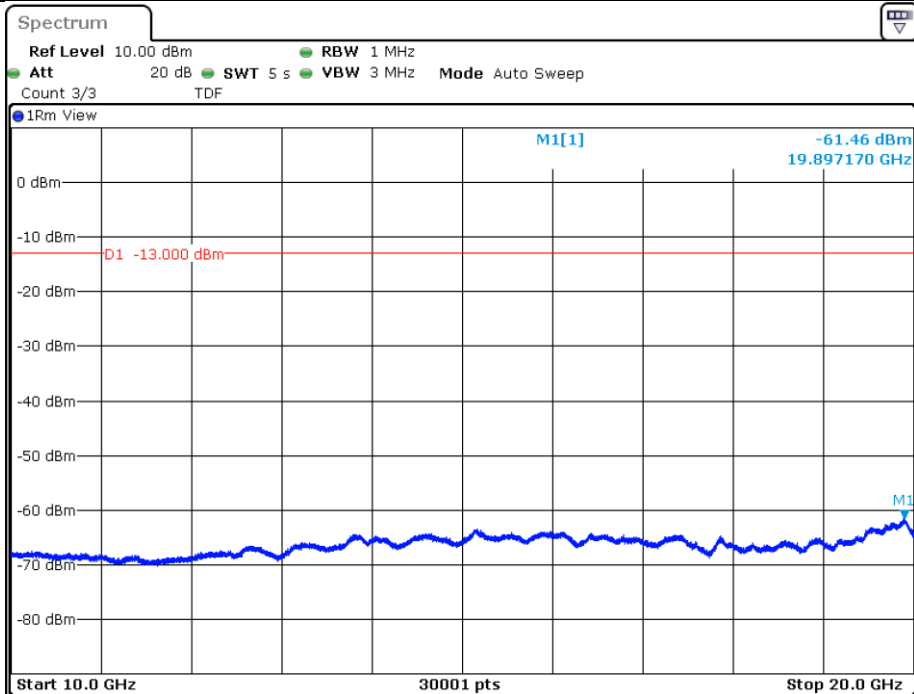
Date: 21.AUG.2020 10:27:22

Band2-9400-0.15~30MHz-22.99



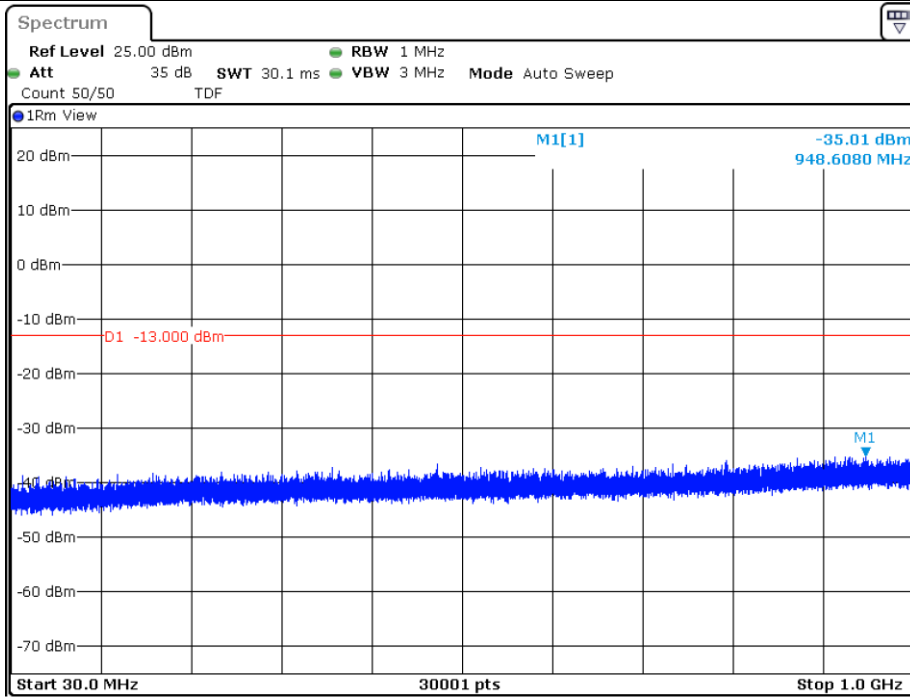
Date: 21.AUG.2020 10:26:51

Band2-9400-10000~20000MHz-19897.17



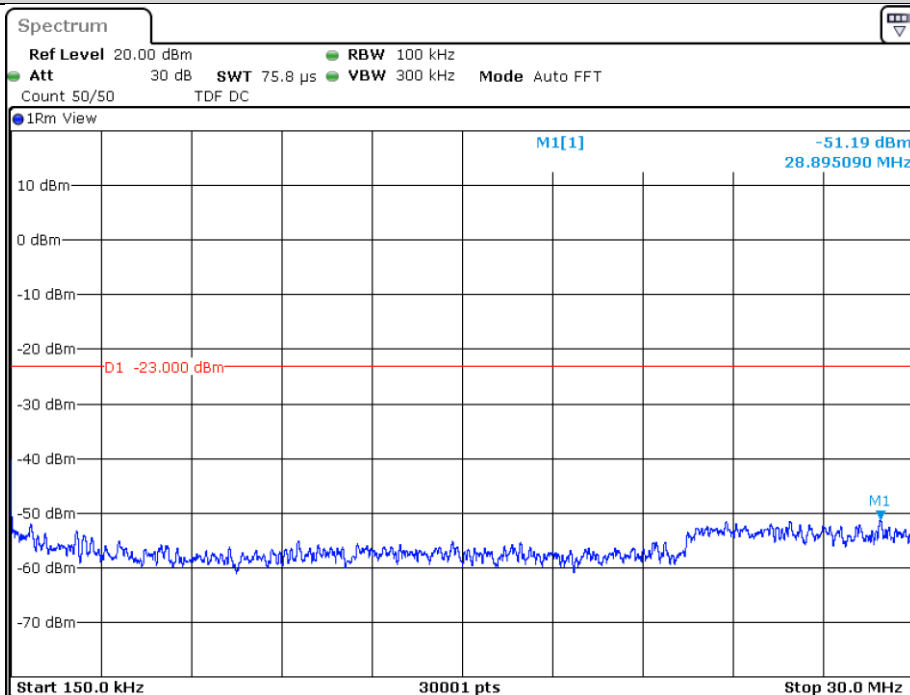
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Band2-9400-30~1000MHz-948.61



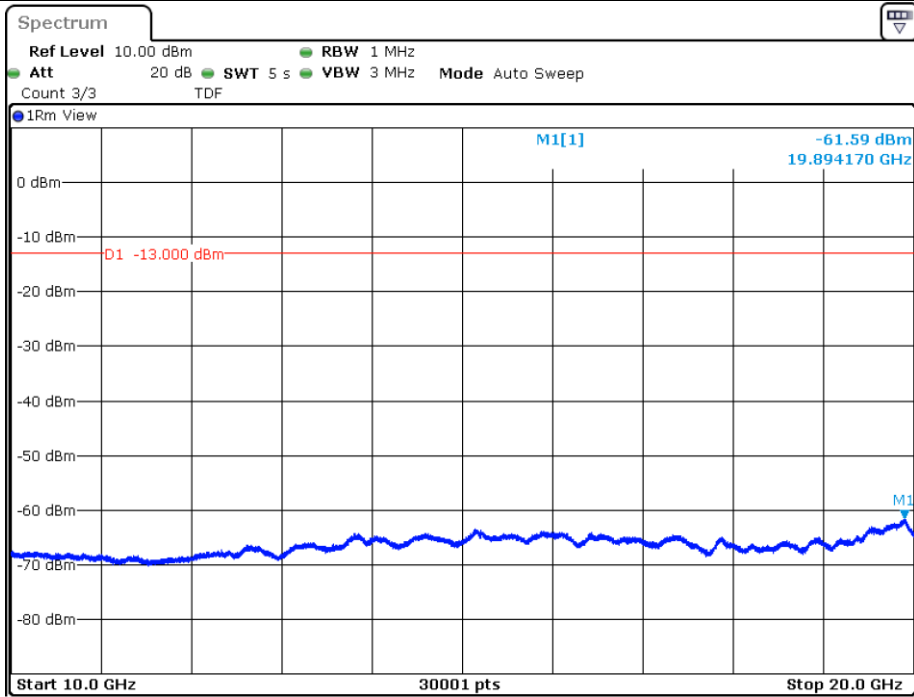
Date: 21.AUG.2020 10:26:59

Band2-9538-0.15~30MHz-28.9



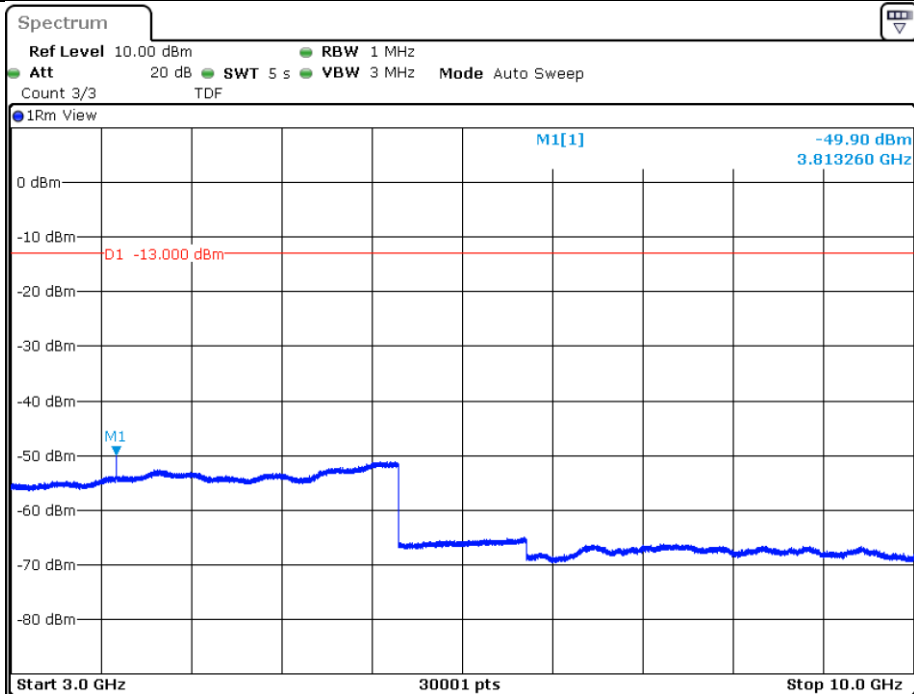
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Band2-9538-10000~20000MHz-19894.17



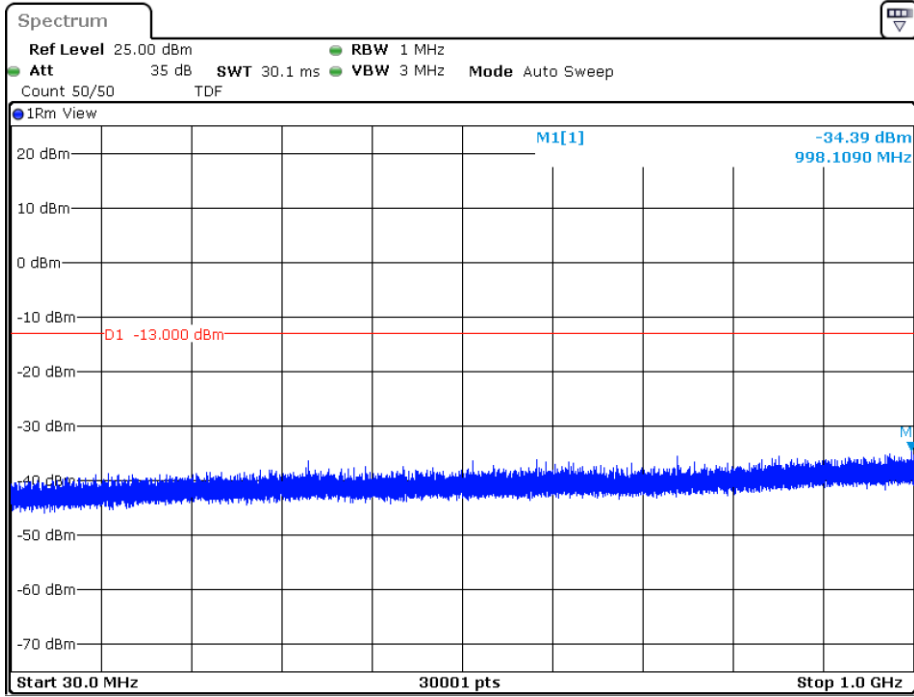
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Band2-9538-3000~10000MHz-3813.26

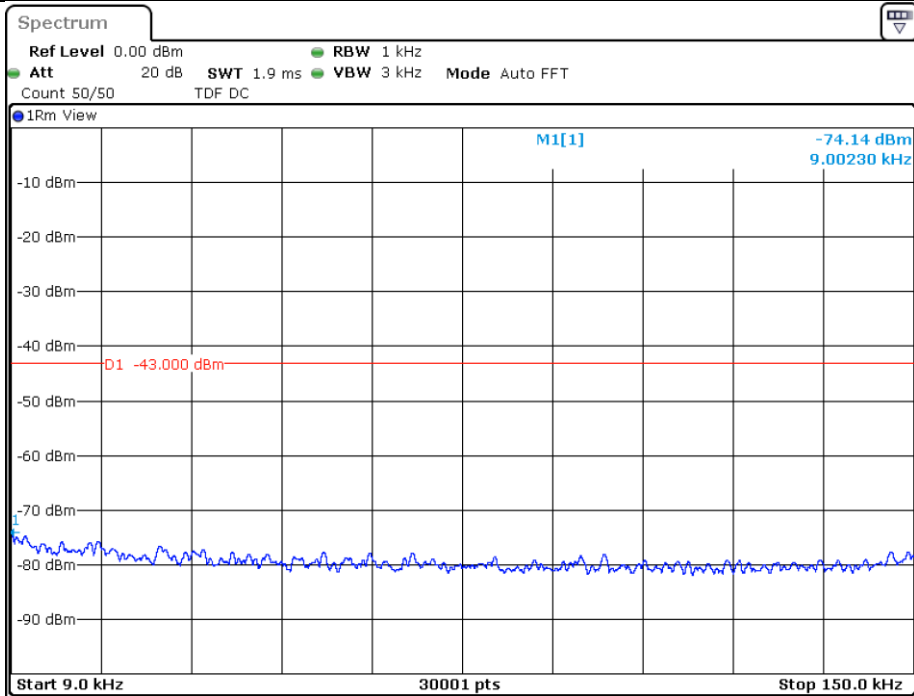


Date: 21.AUG.2020 10:29:19

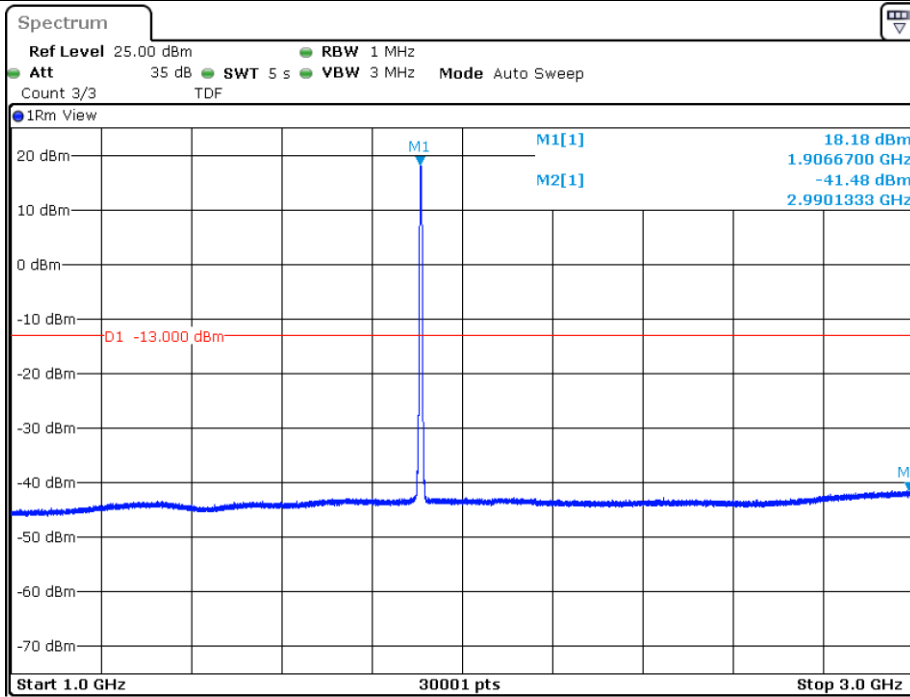
Band2-9538-30~1000MHz-998.11



Band2-9538-0.009~0.15MHz-0.01

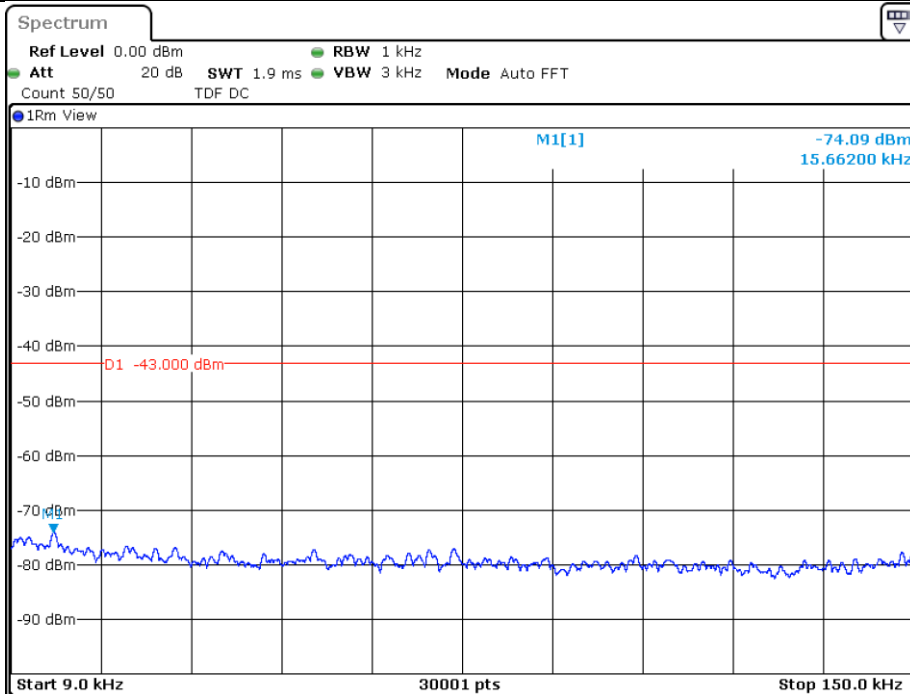


Band2-9538-1000~3000MHz-2990.13



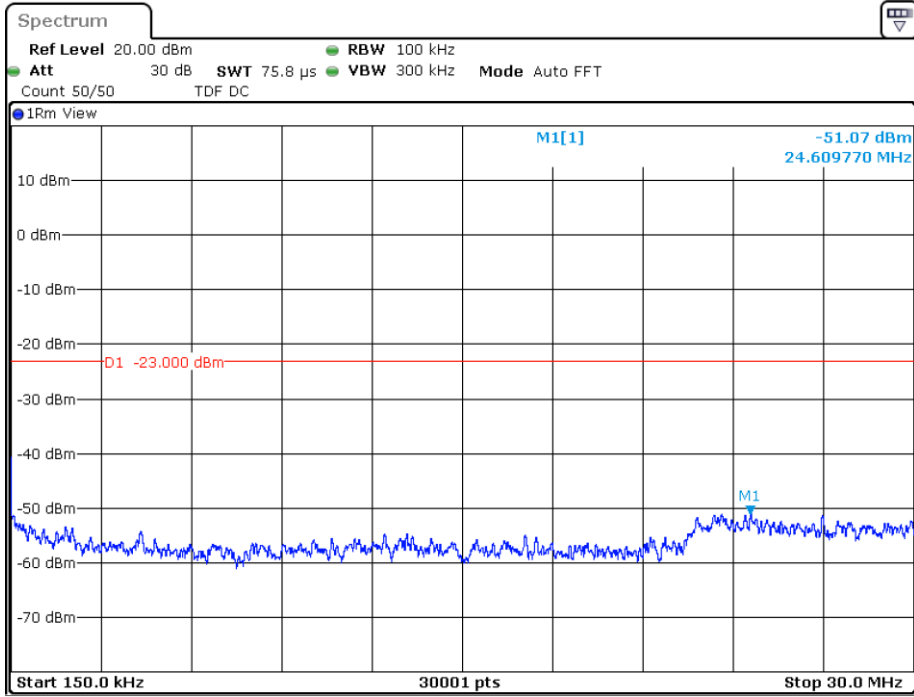
Date: 21.AUG.2020 10:28:56

Band4-1312-0.009~0.15MHz-0.02



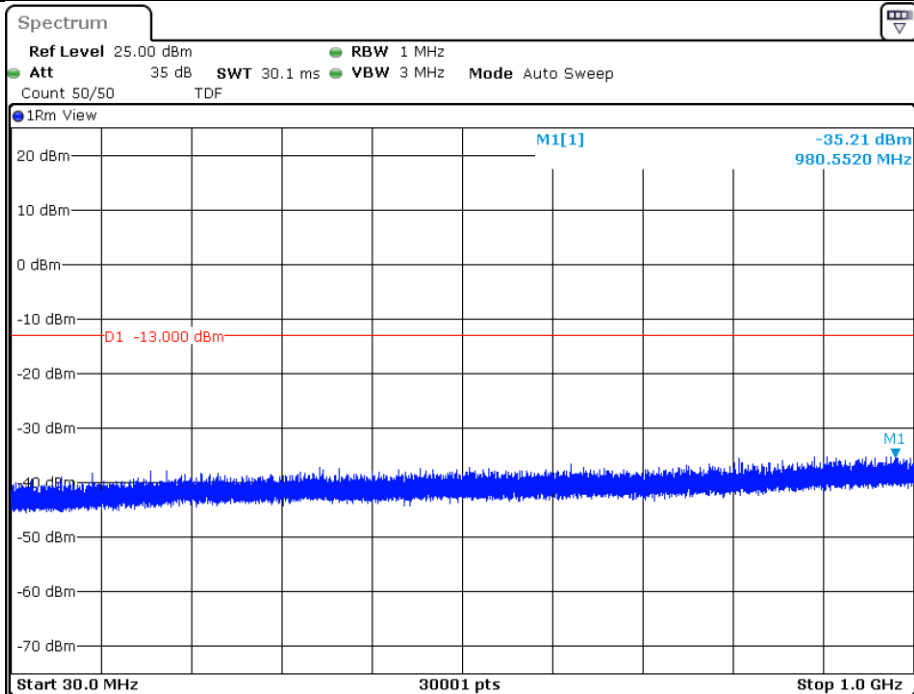
Date: 22.AUG.2020 17:24:02

Band4-1312-0.15~30MHz-24.61



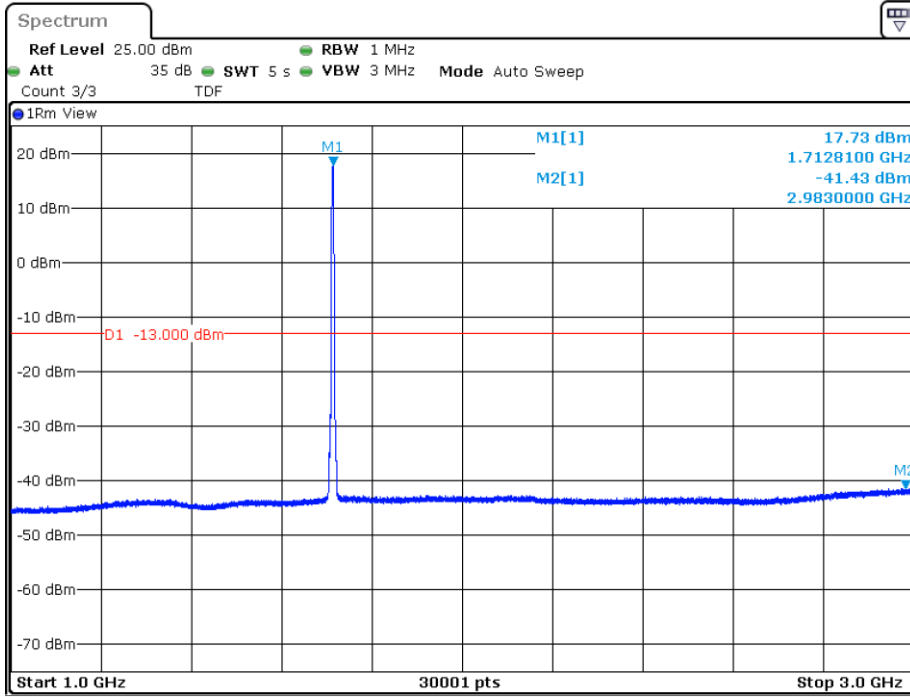
Date: 22.AUG.2020 17:24:08

Band4-1312-30~1000MHz-980.55



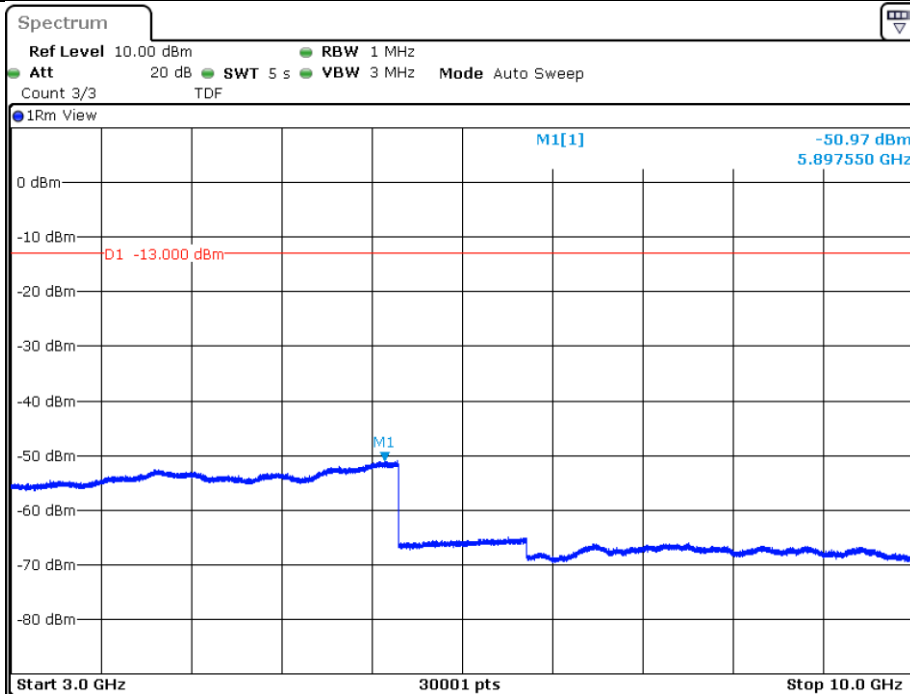
Date: 22.AUG.2020 17:24:16

Band4-1312-1000~3000MHz-2983



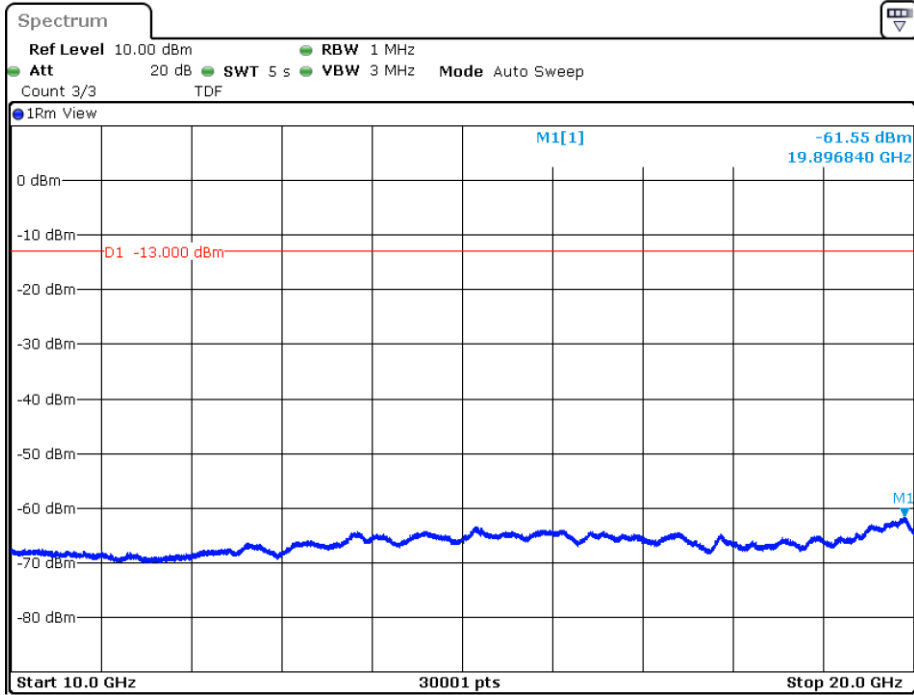
Date: 22.AUG.2020 17:24:40

Band4-1312-3000~10000MHz-5897.55



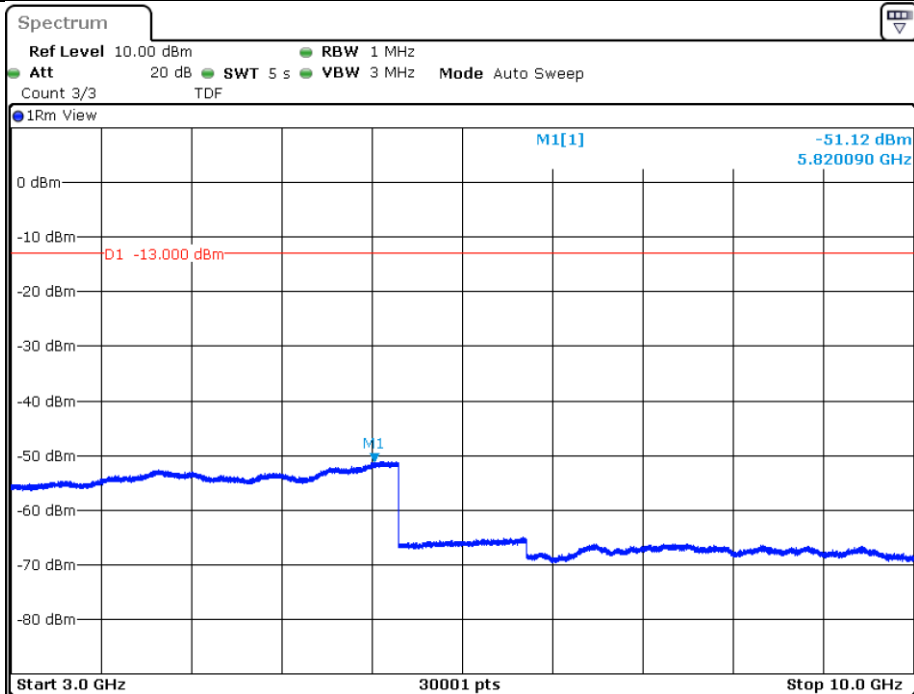
Date: 22.AUG.2020 17:25:03

Band4-1312-10000~20000MHz-19896.84



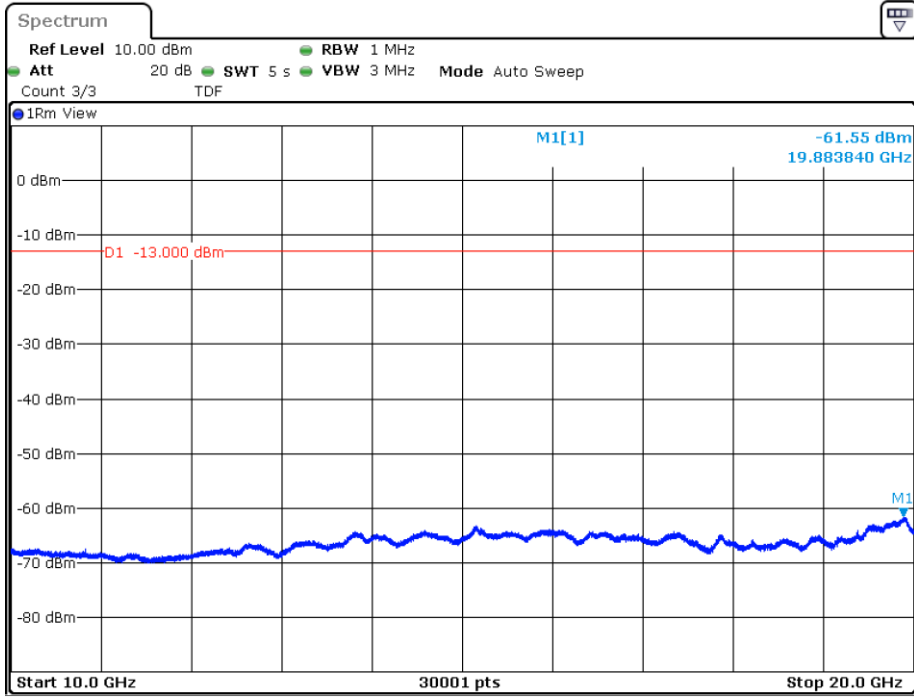
Date: 22.AUG.2020 17:25:25

Band4-1413-3000~10000MHz-5820.09



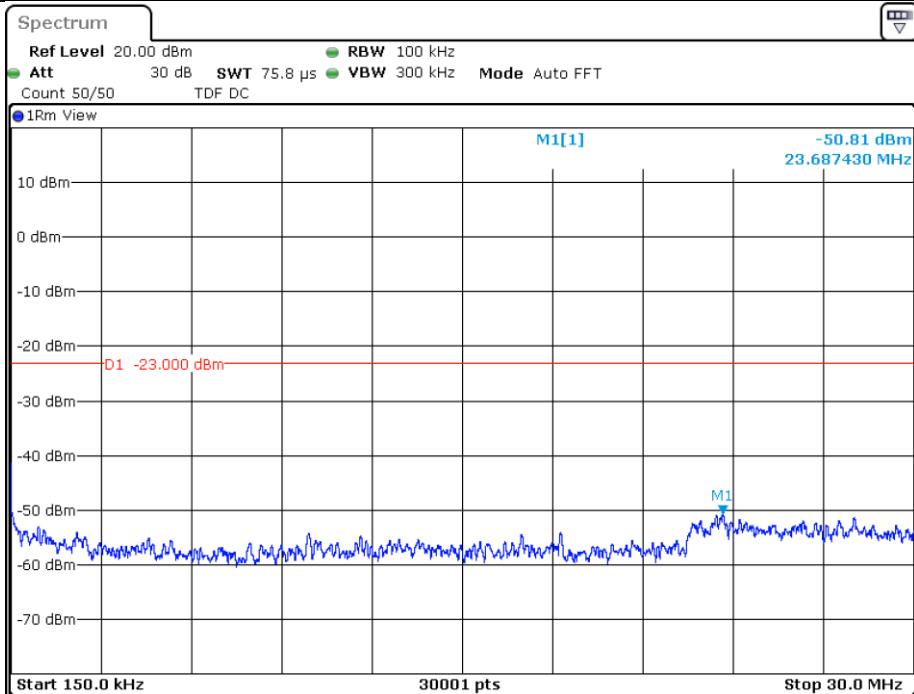
Date: 22.AUG.2020 17:26:37

Band4-1413-10000~20000MHz-19883.84



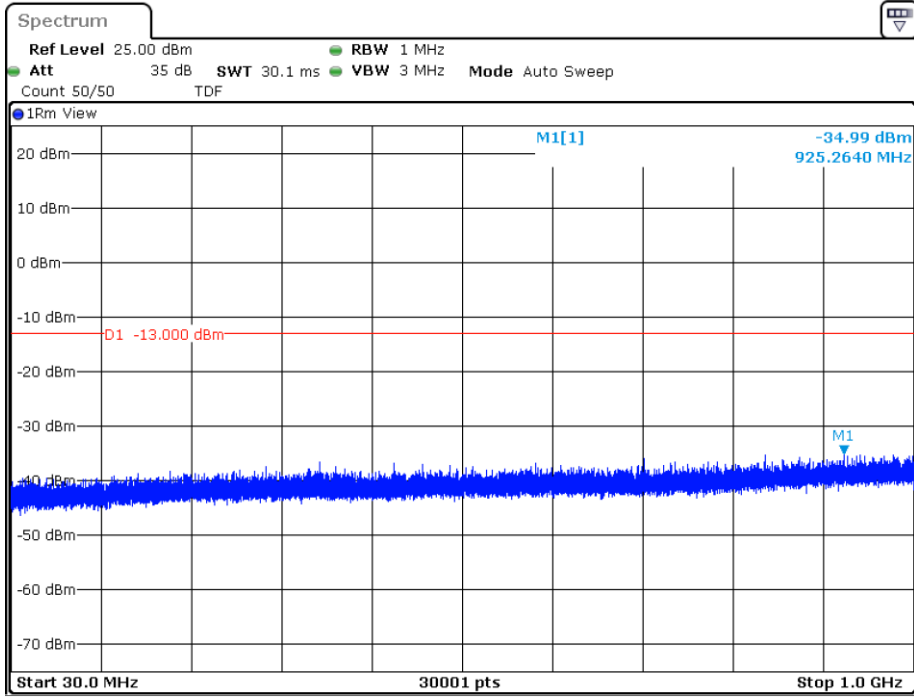
Date: 22.AUG.2020 17:27:00

Band4-1413-0.15~30MHz-23.69



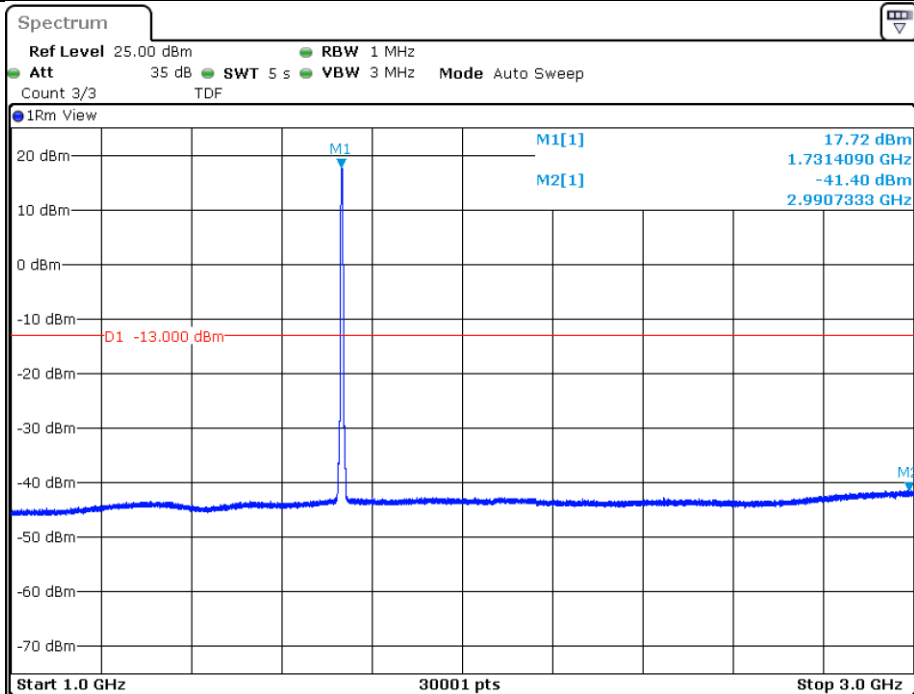
Date: 22.AUG.2020 17:25:43

Band4-1413-30~1000MHz-925.26



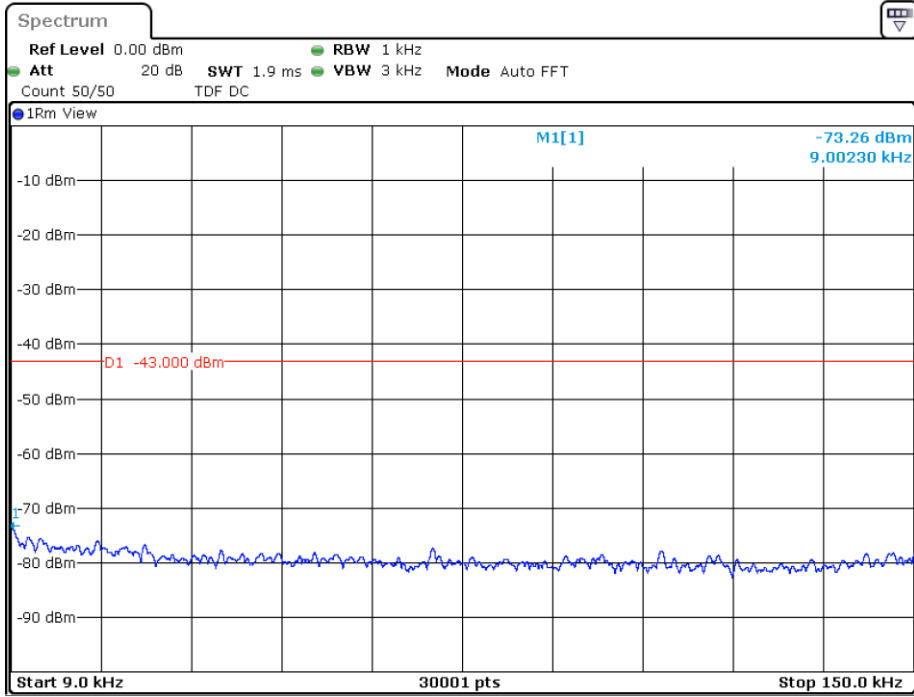
Date: 22.AUG.2020 17:25:51

Band4-1413-1000~3000MHz-2990.73



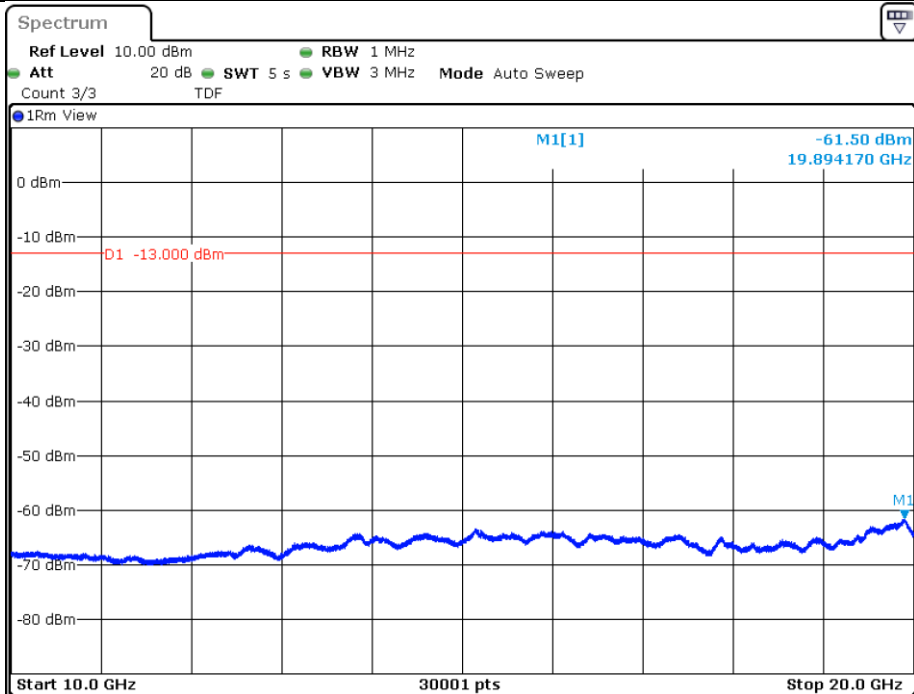
Date: 22.AUG.2020 17:26:15

Band4-1413-0.009~0.15MHz-0.01



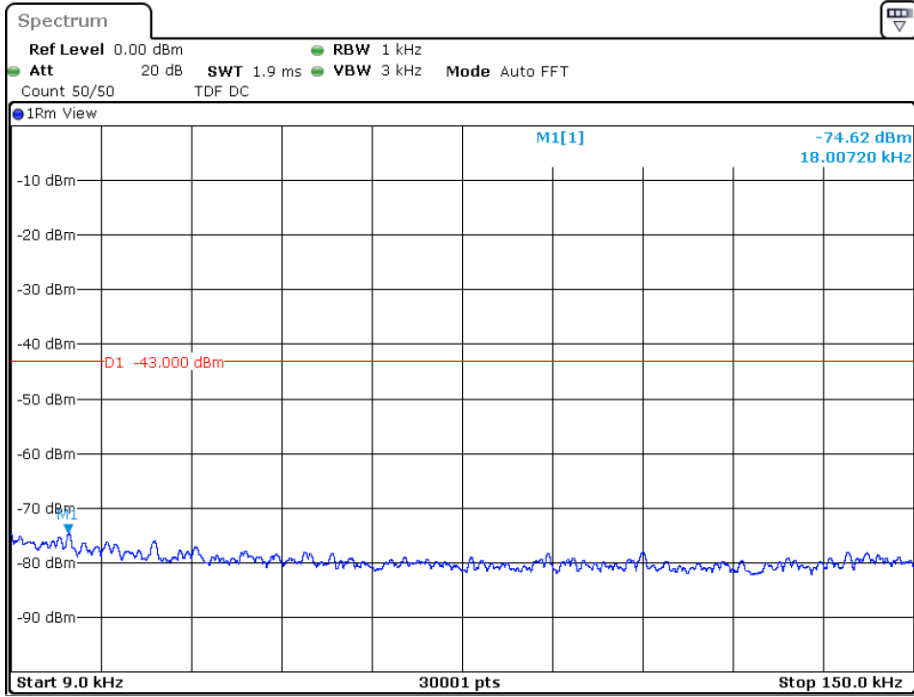
Date: 22.AUG.2020 17:25:37

Band4-1513-10000~20000MHz-19894.17



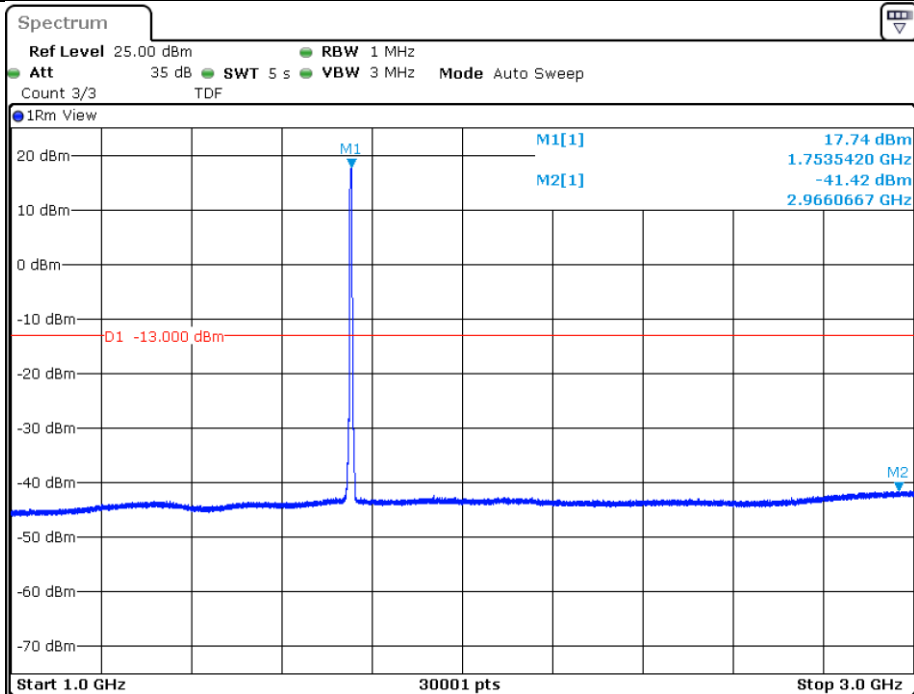
Date: 22.AUG.2020 17:28:35

Band4-1513-0.009~0.15MHz-0.02



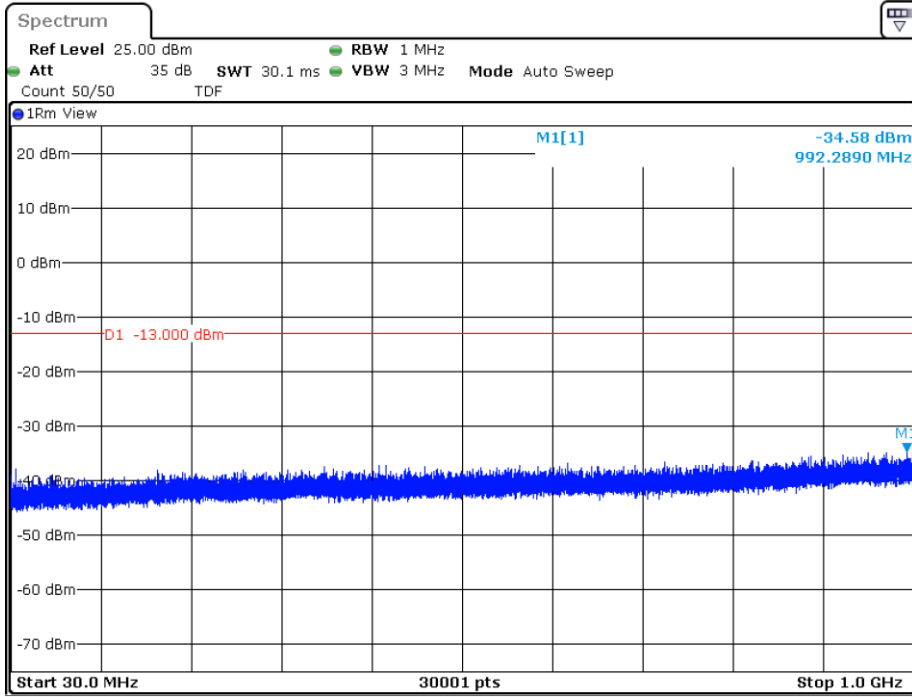
Date: 22.AUG.2020 17:27:11

Band4-1513-1000~3000MHz-2966.07



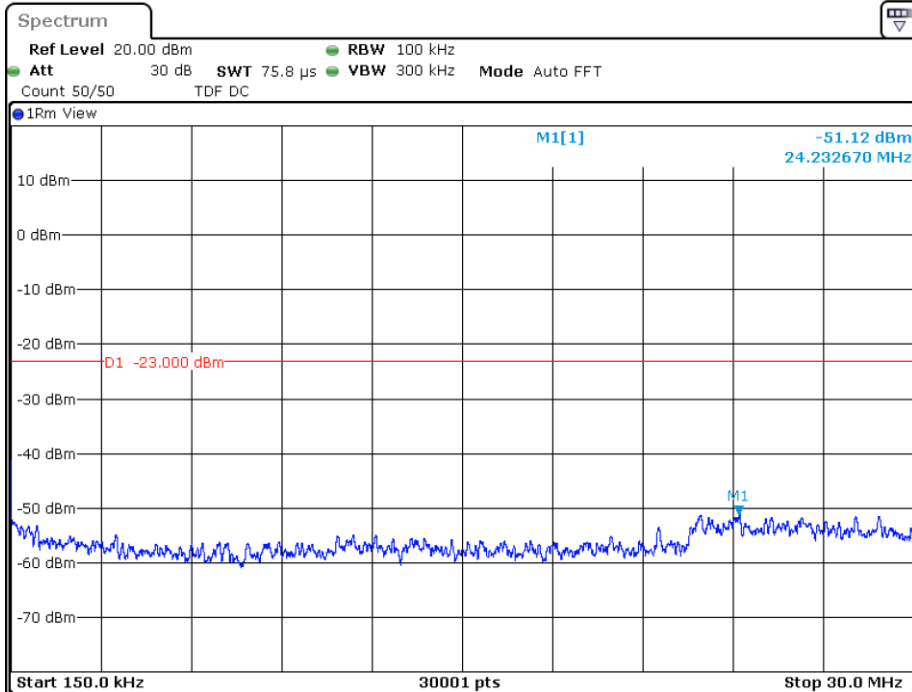
Date: 22.AUG.2020 17:27:49

Band4-1513-30~1000MHz-992.29



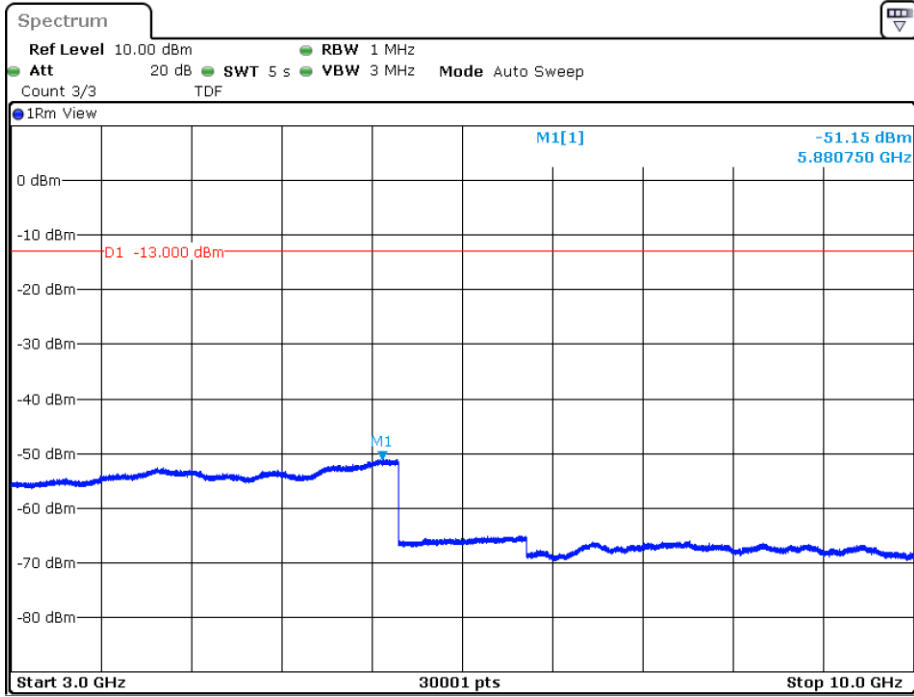
Date: 22.AUG.2020 17:27:26

Band4-1513-0.15~30MHz-24.23



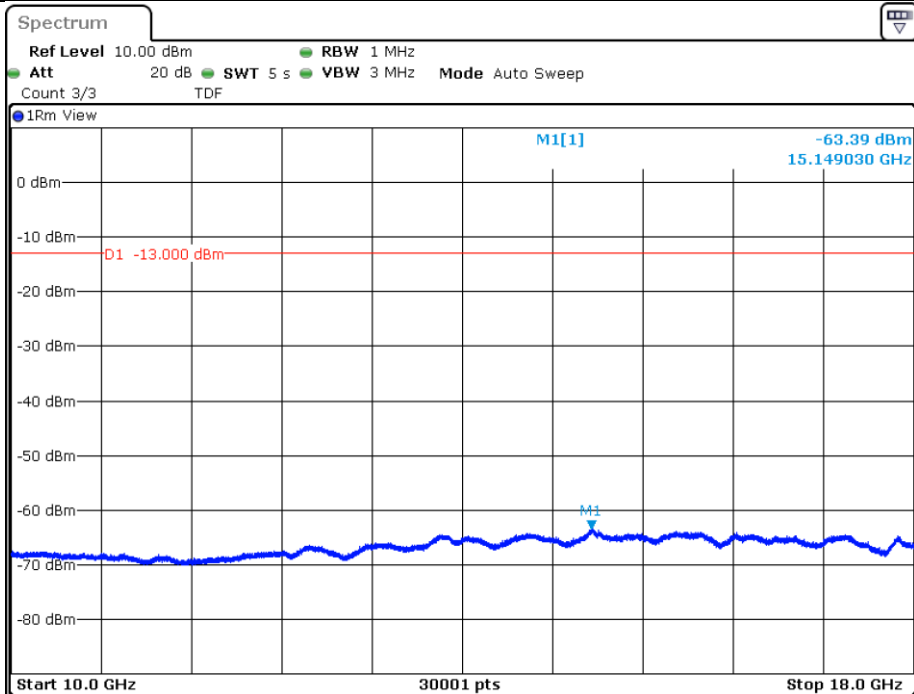
Date: 22.AUG.2020 17:27:18

Band4-1513-3000~10000MHz-5880.75



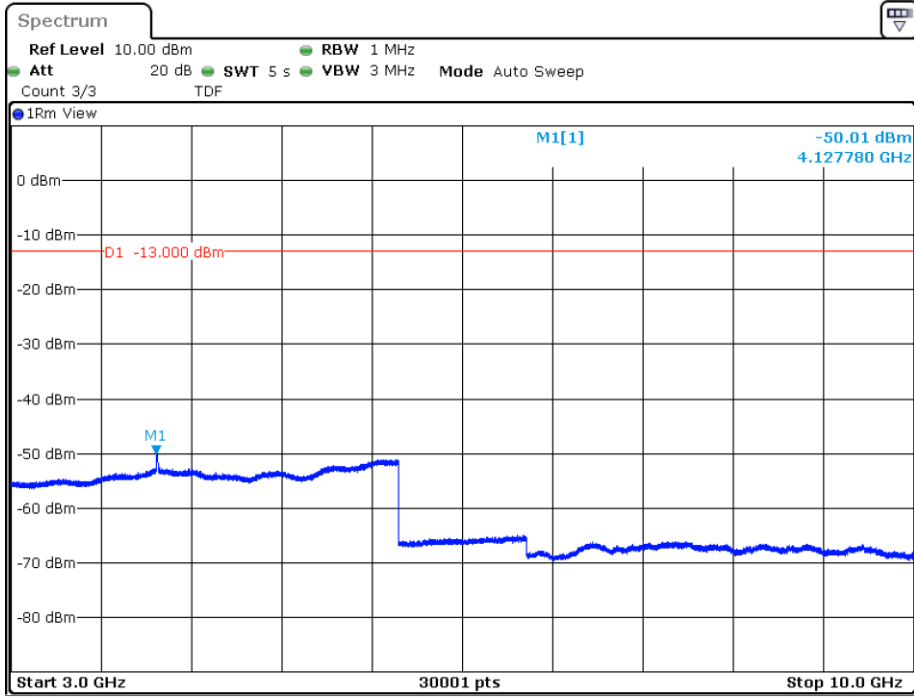
Date: 22.AUG.2020 17:28:12

Band5-4132-10000~18000MHz-15149.03



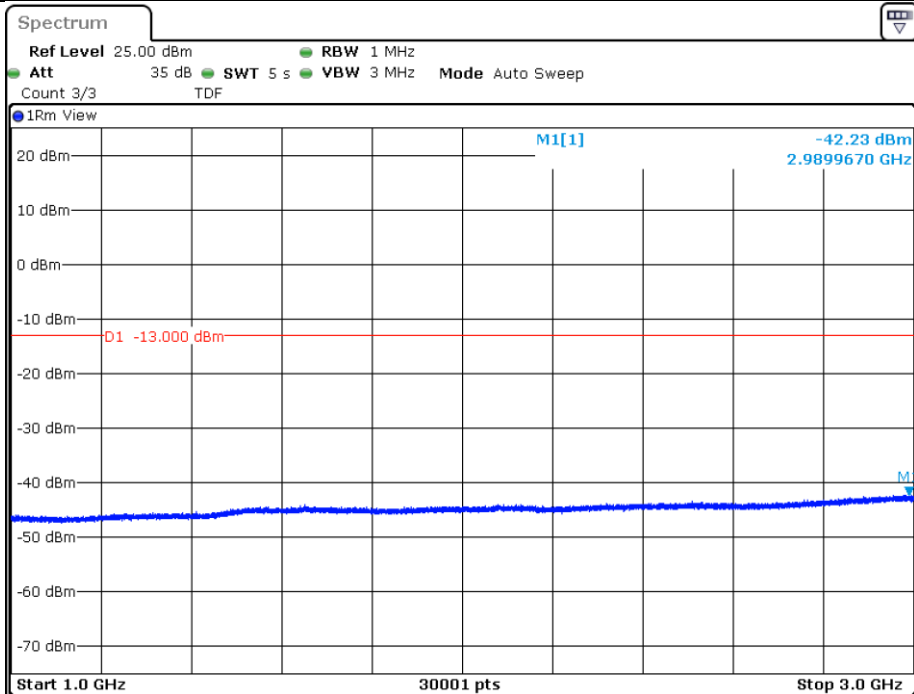
Date: 21.AUG.2020 12:10:18

Band5-4132-3000~10000MHz-4127.78



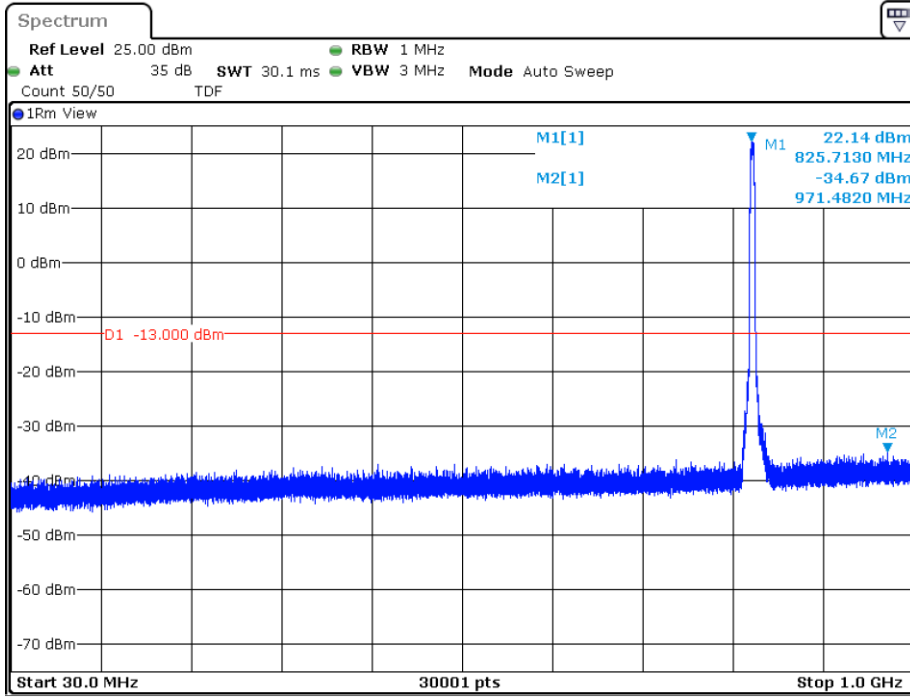
Date: 21.AUG.2020 12:09:55

Band5-4132-1000~3000MHz-2989.97



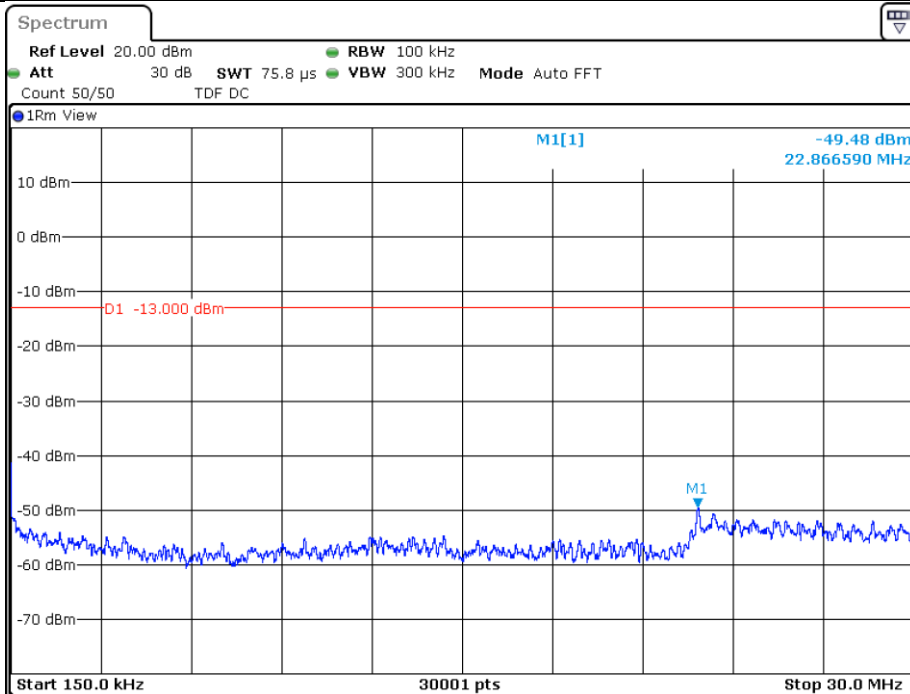
Date: 21.AUG.2020 12:09:32

Band5-4132-30~1000MHz-971.48



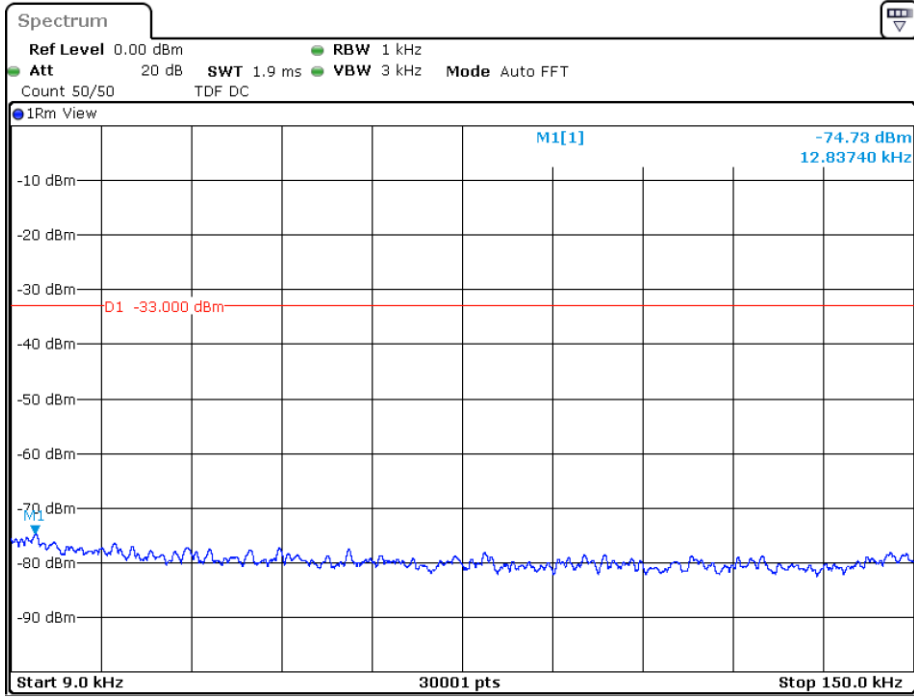
Date: 21.AUG.2020 12:09:10

Band5-4132-0.15~30MHz-22.87



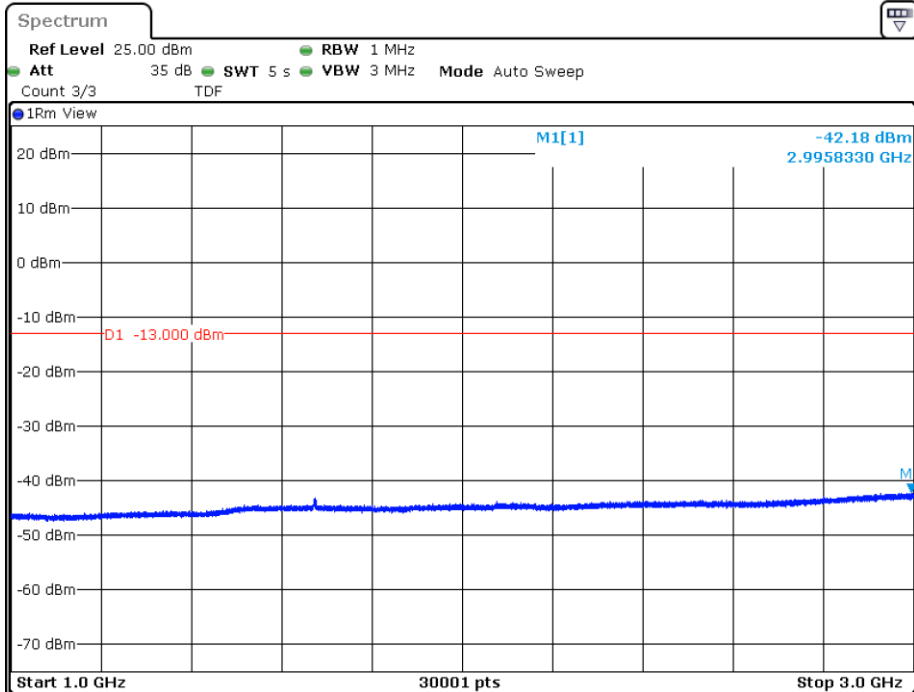
Date: 21.AUG.2020 12:09:01

Band5-4132-0.009~0.15MHz-0.01



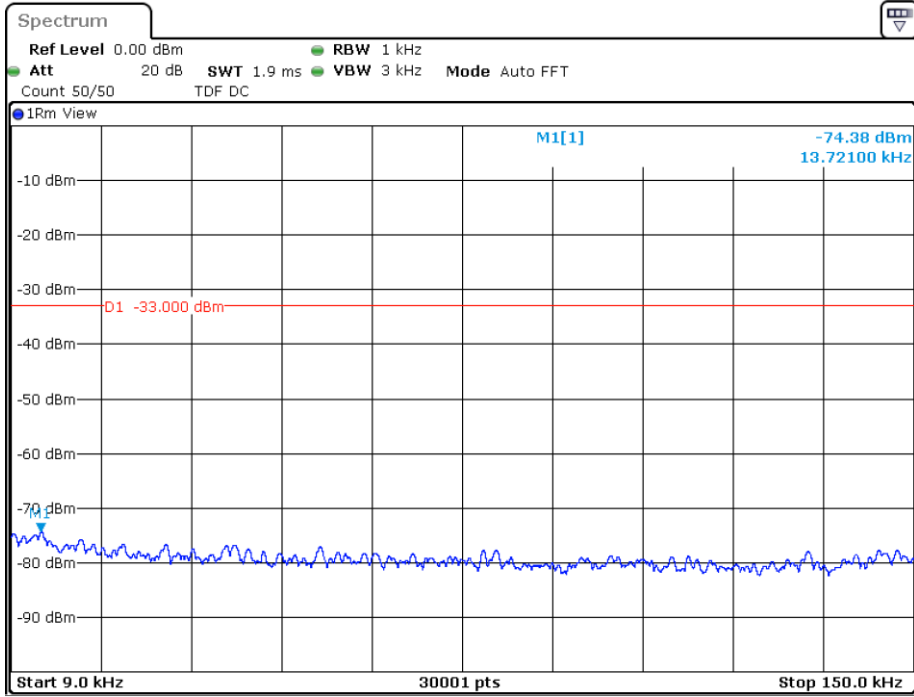
Date: 21.AUG.2020 12:08:55

Band5-4182-1000~3000MHz-2995.83



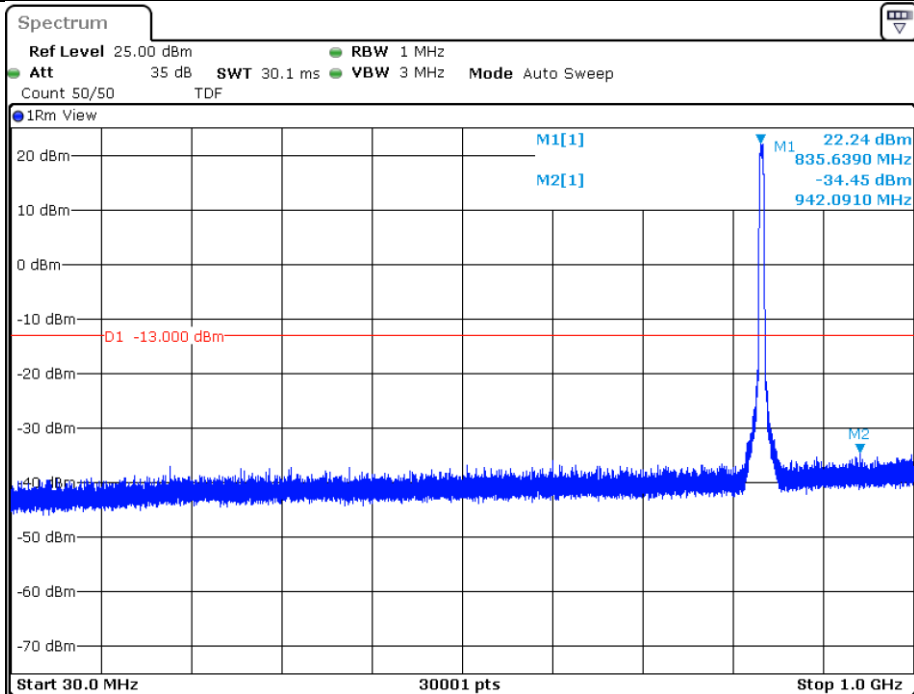
Date: 21.AUG.2020 12:11:07

Band5-4182-0.009~0.15MHz-0.01



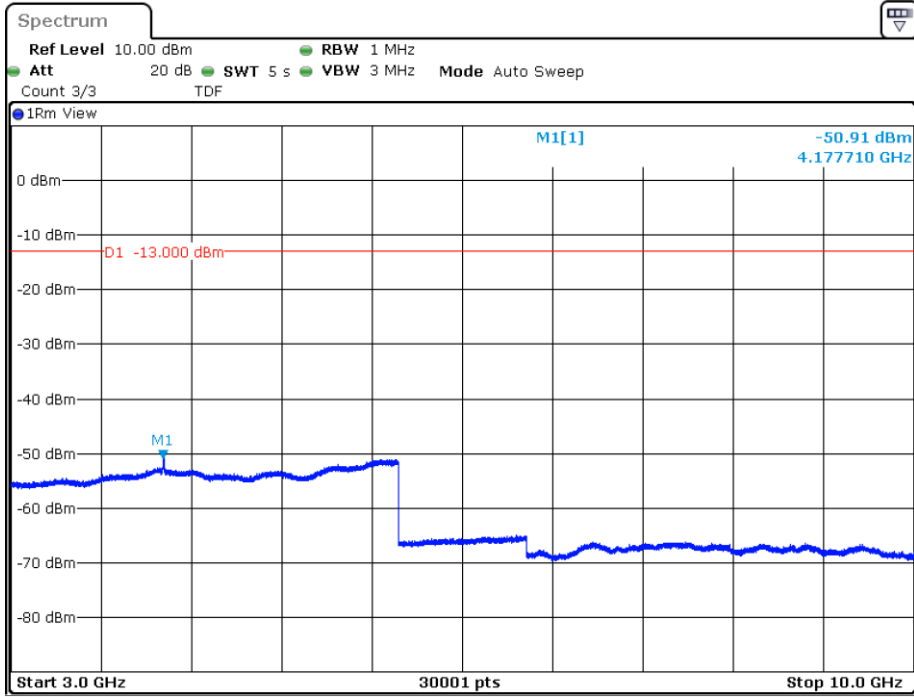
Date: 21.AUG.2020 12:10:29

Band5-4182-30~1000MHz-942.09



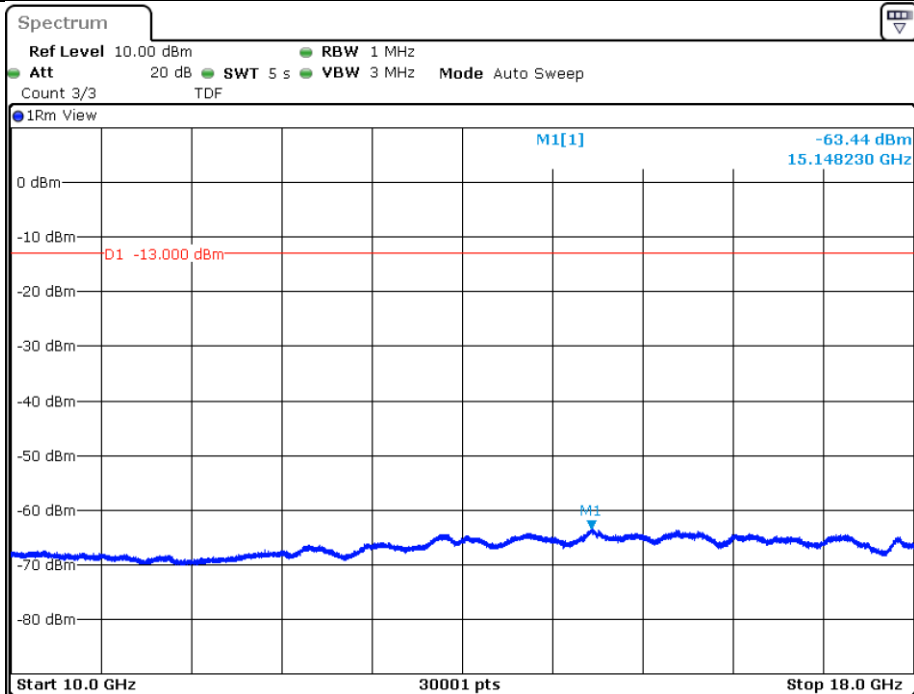
Date: 21.AUG.2020 12:10:44

Band5-4182-3000~10000MHz-4177.71



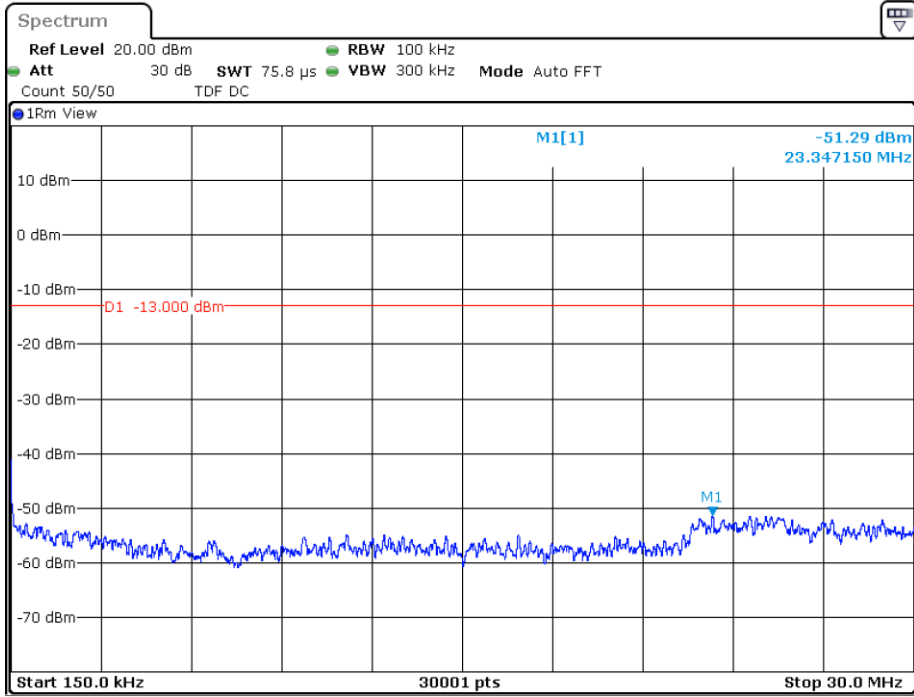
Date: 21.AUG.2020 12:11:29

Band5-4182-10000~18000MHz-15148.23



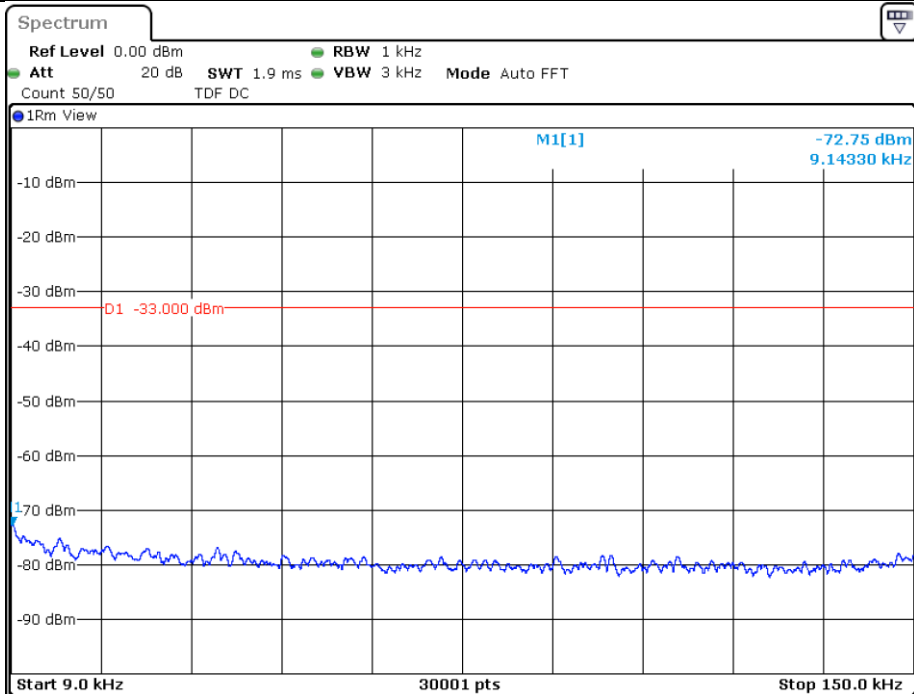
Date: 21.AUG.2020 12:11:52

Band5-4182-0.15~30MHz-23.35



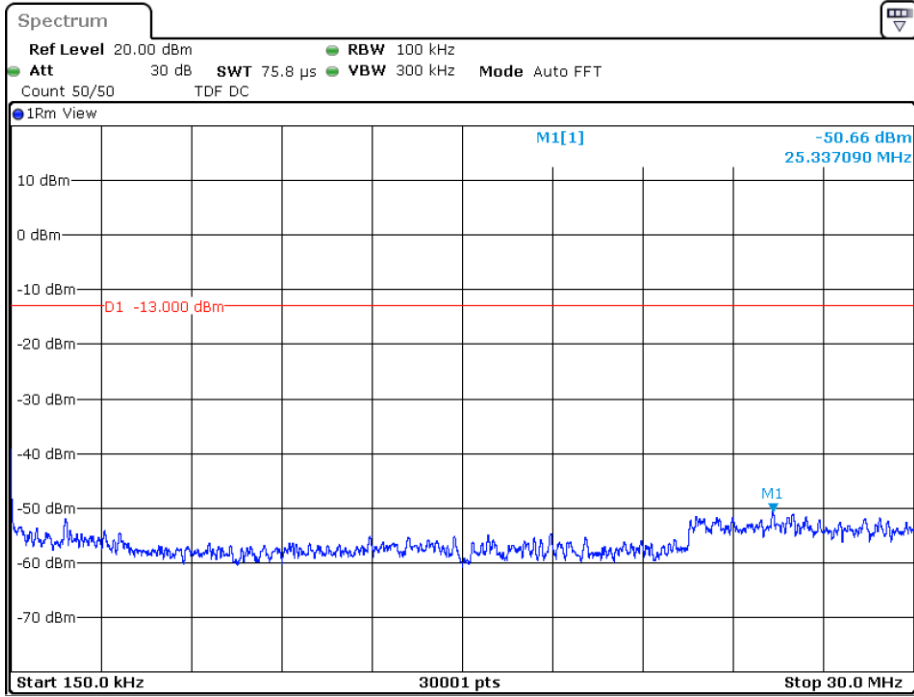
Date: 21.AUG.2020 12:10:35

Band5-4233-0.009~0.15MHz-0.01



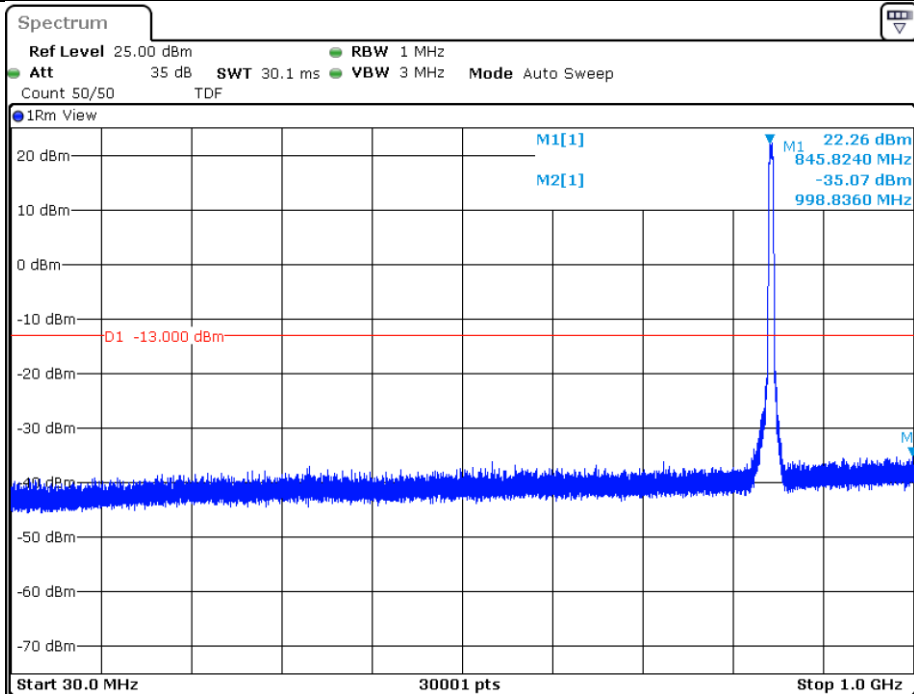
Date: 21.AUG.2020 12:12:03

Band5-4233-0.15~30MHz-25.34



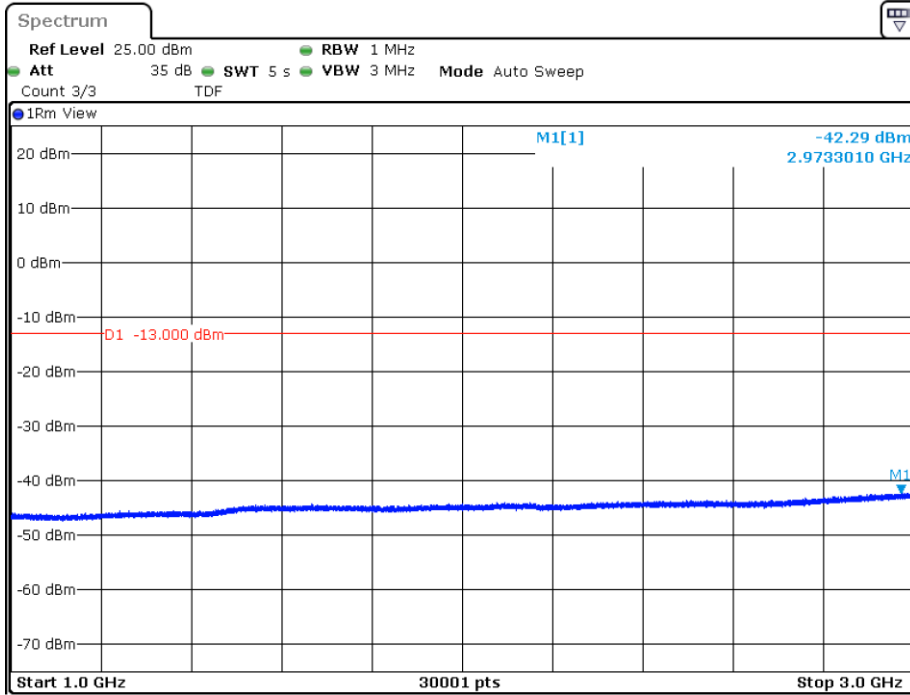
Date: 21.AUG.2020 12:12:10

Band5-4233-30~1000MHz-998.84



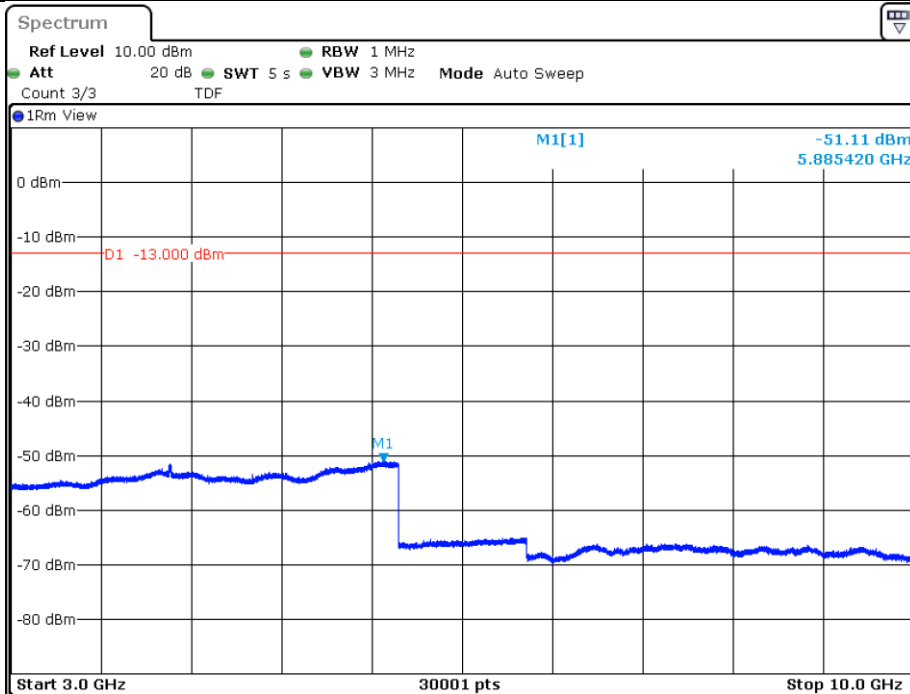
Date: 21.AUG.2020 12:12:18

Band5-4233-1000~3000MHz-2973.3



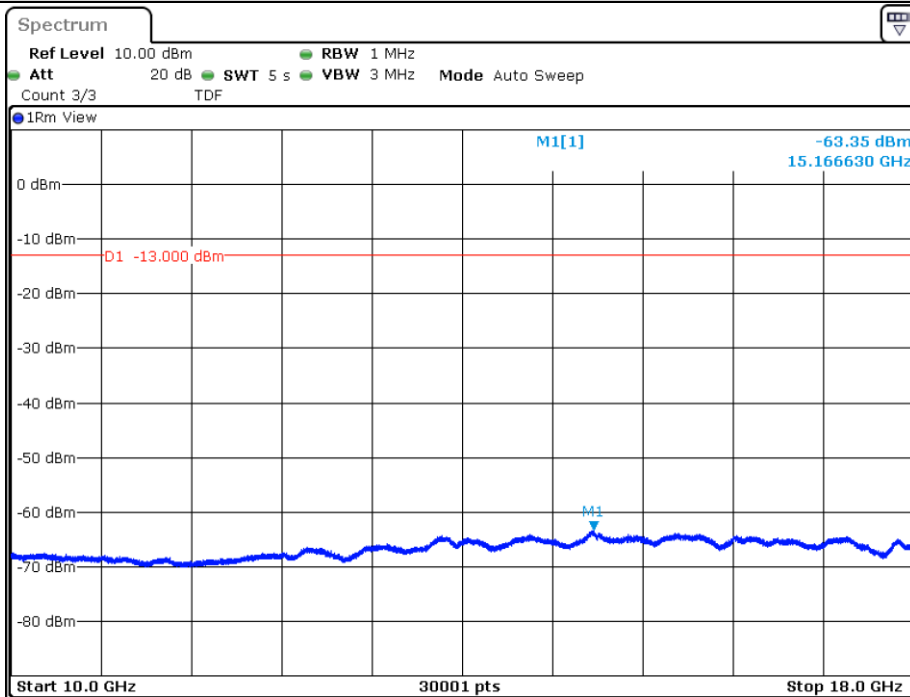
Date: 21.AUG.2020 12:12:41

Band5-4233-3000~10000MHz-5885.42



Date: 21.AUG.2020 12:13:04

Band5-4233-10000~18000MHz-15166.63



Date: 21.AUG.2020 12:13:26

7Appendix_G: Field Strength of Spurious Radiation

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz and 1.5 meter above 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. The emissions were very low against the limit in the frequency range 9kHz to 30MHz and 18 GHz ~ 20 GHz.

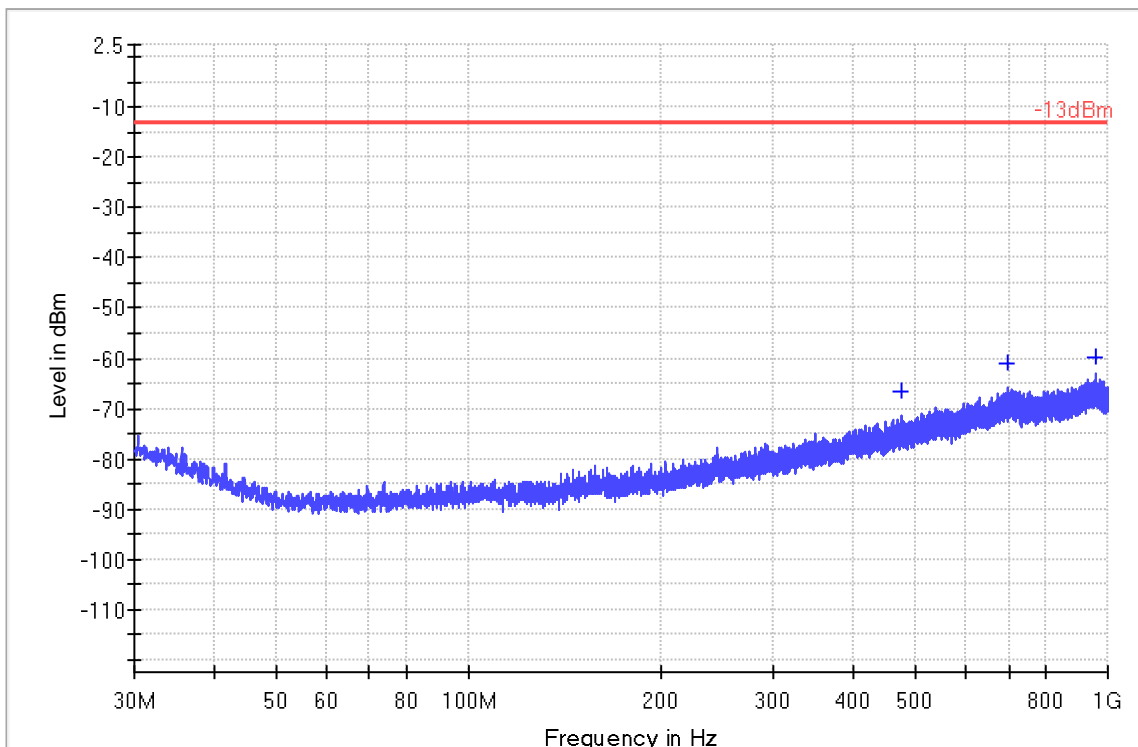
Note: We tested all modes, but the data presented below is the worst case.

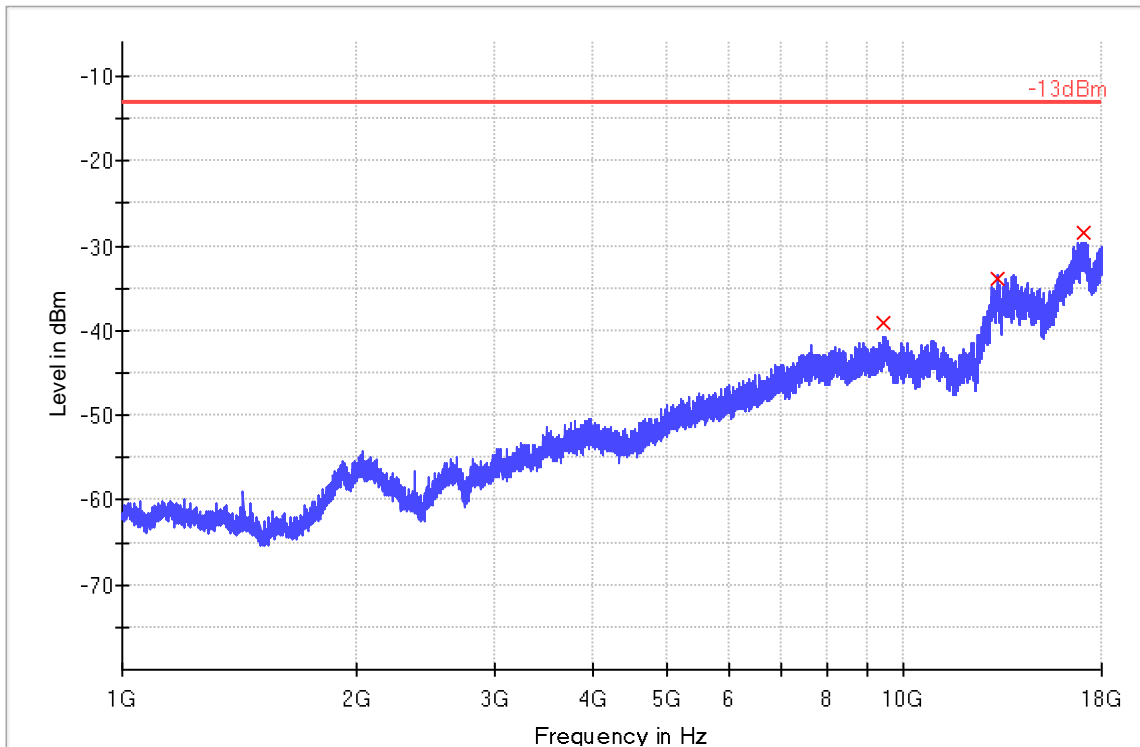
9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK
150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Test Plots

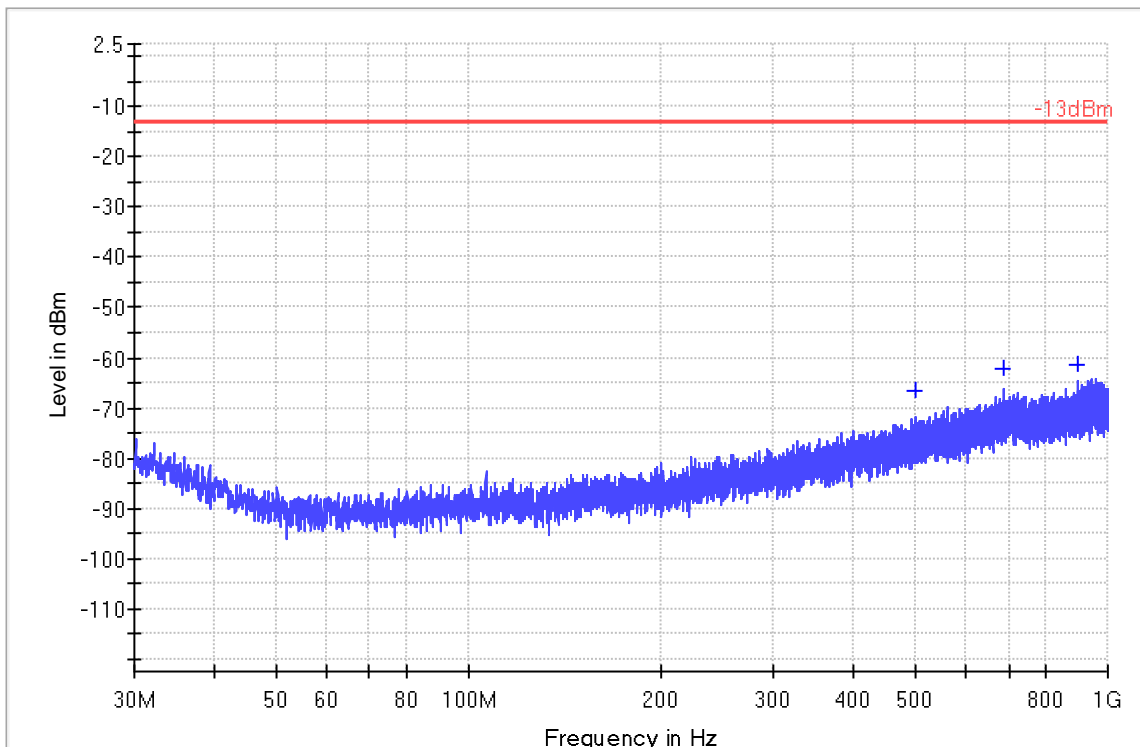
Test Band = WCDMA1900

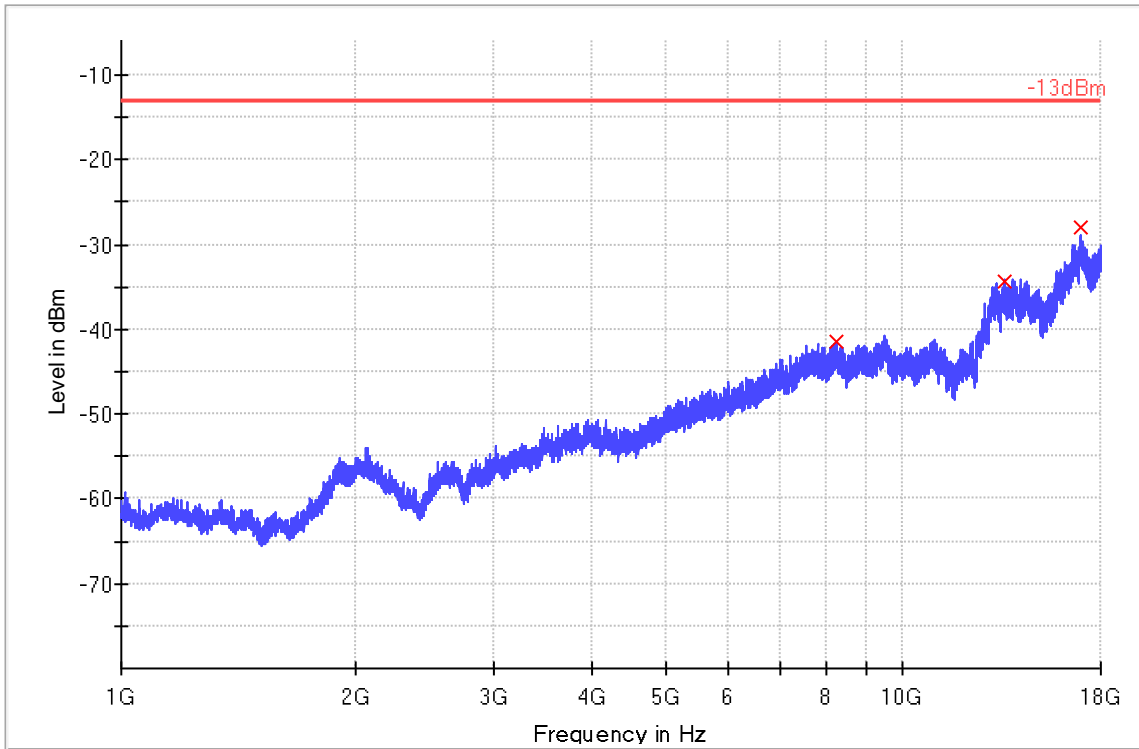
Test Mode = UMTS/TM1



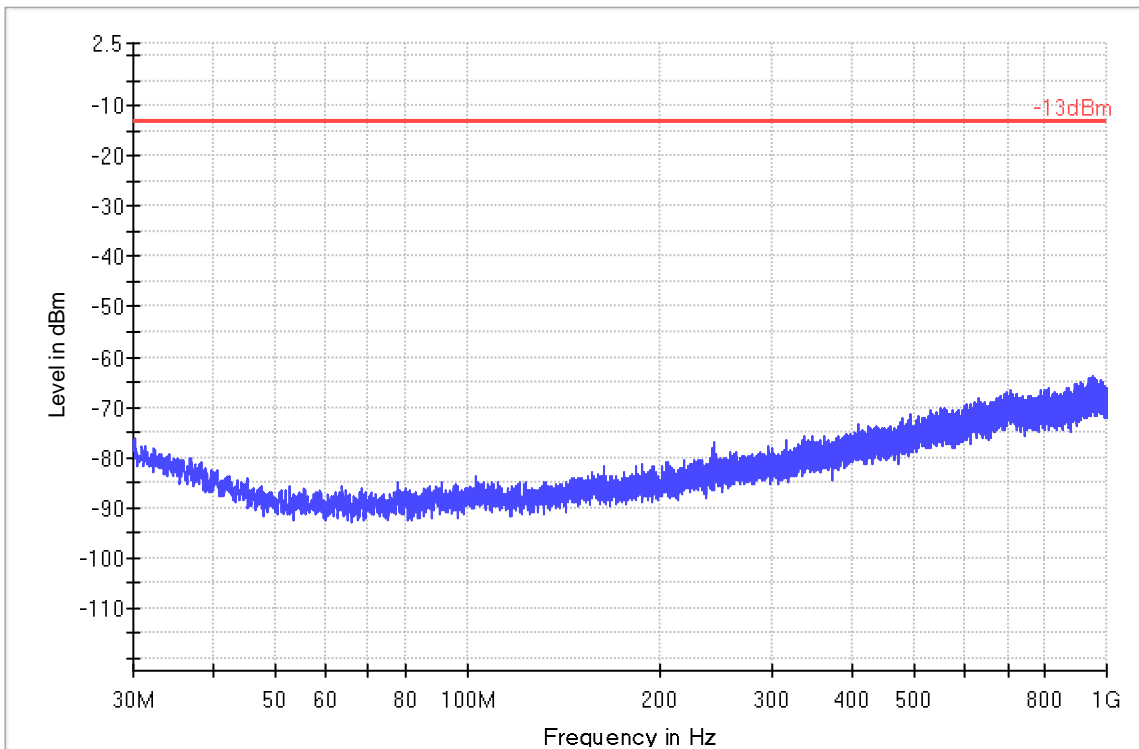


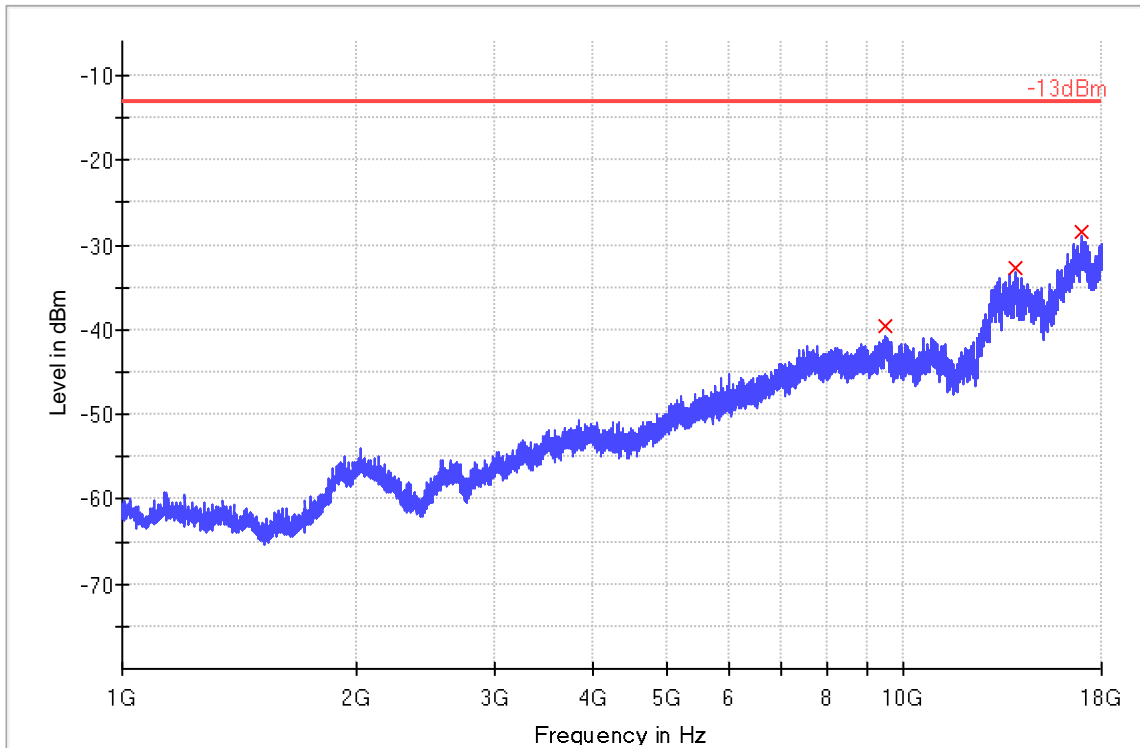
Test Band = WCDMA1700
Test Mode = UMTS/TM1





Test Band = WCDMA850
Test Mode = UMTS/TM1





Appendix H: Frequency Stability

Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|--------------|------------|------------|------------------|-----------------------|---------|
| WCDMA1900 | UMTS/TM1 | LCH | TN | VL | 7.82 | 0.004222 | PASS |
| | | | | VN | -1.96 | -0.001058 | PASS |
| | | | | VH | -3.45 | -0.001862 | PASS |
| | | MCH | TN | VL | -4.14 | -0.002202 | PASS |
| | | | | VN | -5.55 | -0.002952 | PASS |
| | | | | VH | 6.93 | 0.003686 | PASS |
| | | HCH | TN | VL | -1.49 | -0.000781 | PASS |
| | | | | VN | -3.90 | -0.002044 | PASS |
| | | | | VH | -0.57 | -0.000299 | PASS |
| WCDMA1700 | UMTS/TM1 | LCH | TN | VL | 7.27 | 0.004246 | PASS |
| | | | | VN | 4.14 | 0.002418 | PASS |
| | | | | VH | -1.33 | -0.000777 | PASS |
| | | MCH | TN | VL | -5.37 | -0.003099 | PASS |
| | | | | VN | -3.22 | -0.001858 | PASS |
| | | | | VH | -5.07 | -0.002926 | PASS |
| | | HCH | TN | VL | -4.13 | -0.002356 | PASS |
| | | | | VN | 2.07 | 0.001181 | PASS |
| | | | | VH | -4.10 | -0.002339 | PASS |
| WCDMA850 | UMTS/TM1 | LCH | TN | VL | -0.88 | -0.001065 | PASS |
| | | | | VN | 1.11 | 0.001343 | PASS |
| | | | | VH | -2.34 | -0.002832 | PASS |
| | | MCH | TN | VL | -0.07 | -0.000084 | PASS |
| | | | | VN | 0.17 | 0.000203 | PASS |
| | | | | VH | -2.37 | -0.002834 | PASS |
| | | HCH | TN | VL | -0.44 | -0.000520 | PASS |
| | | | | VN | 0.27 | 0.000319 | PASS |
| | | | | VH | -1.47 | -0.001736 | PASS |

Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|--------------|------------|------------|------------------|-----------------------|---------|
| WCDMA1900 | UMTS/TM1 | LCH | VN | -20 | -3.98 | -0.002149 | PASS |
| | | | | -10 | 1.51 | 0.000815 | PASS |
| | | | | 0 | -4.96 | -0.002678 | PASS |
| | | | | 10 | 6.29 | 0.003396 | PASS |
| | | | | 20 | 2.02 | 0.001090 | PASS |
| | | | | 30 | 0.36 | 0.000191 | PASS |
| | | | | 40 | -0.51 | -0.000271 | PASS |
| | | | | 50 | 0.84 | 0.000447 | PASS |
| | | | | 60 | -4.51 | -0.002399 | PASS |
| | | MCH | VN | -20 | -6.50 | -0.003457 | PASS |
| | | | | -10 | 0.62 | 0.000325 | PASS |
| | | | | 0 | 1.80 | 0.000944 | PASS |
| | | | | 10 | 2.62 | 0.001373 | PASS |
| | | | | 20 | -5.08 | -0.002663 | PASS |
| | | | | 30 | 9.14 | 0.004791 | PASS |
| | | | | 40 | -0.62 | -0.000362 | PASS |
| | | | | 50 | -1.35 | -0.000788 | PASS |
| | | | | 60 | 2.45 | 0.001431 | PASS |
| | | HCH | VN | -20 | 3.31 | 0.001933 | PASS |
| | | | | -10 | 3.73 | 0.002178 | PASS |
| | | | | 0 | -6.86 | -0.003959 | PASS |
| | | | | 10 | -9.00 | -0.005195 | PASS |
| | | | | 20 | -6.68 | -0.003855 | PASS |
| | | | | 30 | -6.78 | -0.003913 | PASS |
| | | | | 40 | -5.76 | -0.003324 | PASS |
| | | | | 50 | -9.57 | -0.005460 | PASS |
| | | | | 60 | 10.53 | 0.006008 | PASS |
| WCDMA1700 | UMTS/TM1 | LCH | VN | -20 | 5.36 | 0.003058 | PASS |
| | | | | -10 | 5.82 | 0.003321 | PASS |
| | | | | 0 | 0.59 | 0.000337 | PASS |
| | | | | 10 | -3.84 | -0.004647 | PASS |
| | | | | 20 | -3.50 | -0.004235 | PASS |
| | | | | 30 | -0.95 | -0.001150 | PASS |

| | | | | | | | | | | | | | |
|----------|----------|----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|------|
| | | | | 40 | -3.17 | -0.003836 | PASS | | | | | | |
| | | | | 50 | -1.43 | -0.001730 | PASS | | | | | | |
| | | | | 60 | -1.46 | -0.001746 | PASS | | | | | | |
| | | MCH | VN | | | -20 | -1.22 | -0.001459 | PASS | | | | |
| | | | | | | -10 | -4.36 | -0.005213 | PASS | | | | |
| | | | | | | 0 | -3.03 | -0.003623 | PASS | | | | |
| | | | | | | 10 | -3.25 | -0.003886 | PASS | | | | |
| | | | | | | 20 | 1.57 | 0.001854 | PASS | | | | |
| | | | | | | 30 | -0.57 | -0.000673 | PASS | | | | |
| | | | | | | 40 | 1.11 | 0.001311 | PASS | | | | |
| | | | | | | 50 | -0.63 | -0.000744 | PASS | | | | |
| | | | | | | 60 | -0.18 | -0.000213 | PASS | | | | |
| | | | | | | HCH | VN | | | -20 | -7.11 | -0.003838 | PASS |
| | | -10 | -1.24 | -0.000669 | PASS | | | | | | | | |
| | | 0 | 3.33 | 0.001798 | PASS | | | | | | | | |
| | | 10 | 2.97 | 0.001603 | PASS | | | | | | | | |
| | | 20 | 9.44 | 0.005096 | PASS | | | | | | | | |
| | | 30 | -2.71 | -0.001463 | PASS | | | | | | | | |
| | | 40 | 1.68 | 0.000907 | PASS | | | | | | | | |
| | | 50 | 10.30 | 0.005560 | PASS | | | | | | | | |
| 60 | 0.11 | 0.000059 | PASS | | | | | | | | | | |
| WCDMA850 | UMTS/TM1 | LCH | VN | | | | | -20 | 1.67 | 0.000902 | PASS | | |
| | | | | | | | | -10 | 1.90 | 0.001026 | PASS | | |
| | | | | | | | | 0 | 2.80 | 0.001512 | PASS | | |
| | | | | | | | | 10 | -6.23 | -0.003314 | PASS | | |
| | | | | | | | | 20 | -4.86 | -0.002585 | PASS | | |
| | | | | | | | | 30 | -7.82 | -0.004160 | PASS | | |
| | | | | | | | | 40 | 4.83 | 0.002569 | PASS | | |
| | | | | | | | | 50 | 3.08 | 0.001638 | PASS | | |
| | | | | | | | | 60 | 3.59 | 0.001910 | PASS | | |
| | | MCH | VN | | | | | | | -20 | 2.67 | 0.001420 | PASS |
| | | | | | | | | | | -10 | 3.37 | 0.001793 | PASS |
| | | | | | | | | | | 0 | 6.14 | 0.003266 | PASS |
| | | | | | | | | | | 10 | -0.24 | -0.000128 | PASS |
| | | | | | | | | | | 20 | -4.98 | -0.002649 | PASS |
| | | | | | | | | | | 30 | -4.36 | -0.002319 | PASS |
| | | | | | | | | | | 40 | -3.76 | -0.001971 | PASS |
| | | | | | | | | | | 50 | -4.47 | -0.002343 | PASS |
| | | 60 | -5.69 | -0.002983 | PASS | | | | | | | | |
| | | HCH | VN | | | | | | | -20 | -4.73 | -0.002480 | PASS |

| | | | | | | | |
|--|--|--|--|-----|-------|-----------|------|
| | | | | -10 | -3.95 | -0.002071 | PASS |
| | | | | 0 | -3.24 | -0.001698 | PASS |
| | | | | 10 | 4.96 | 0.002600 | PASS |
| | | | | 20 | 9.66 | 0.005064 | PASS |
| | | | | 30 | -0.77 | -0.000404 | PASS |
| | | | | 40 | -1.46 | -0.000765 | PASS |
| | | | | 50 | -0.79 | -0.000414 | PASS |
| | | | | 60 | 1.60 | 0.000839 | PASS |

END