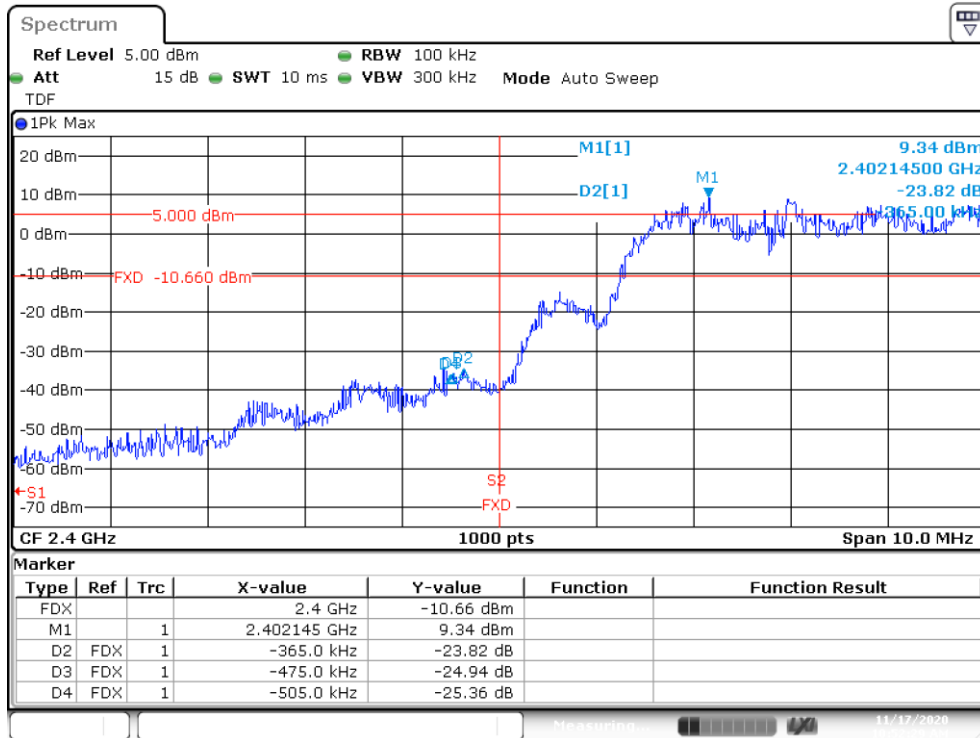
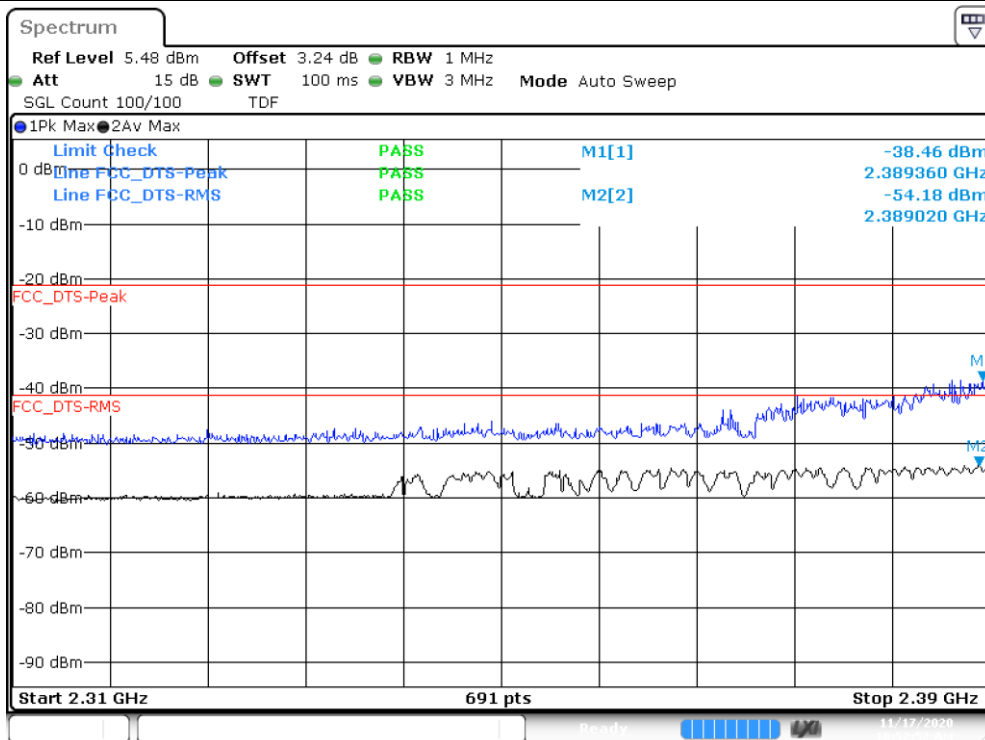
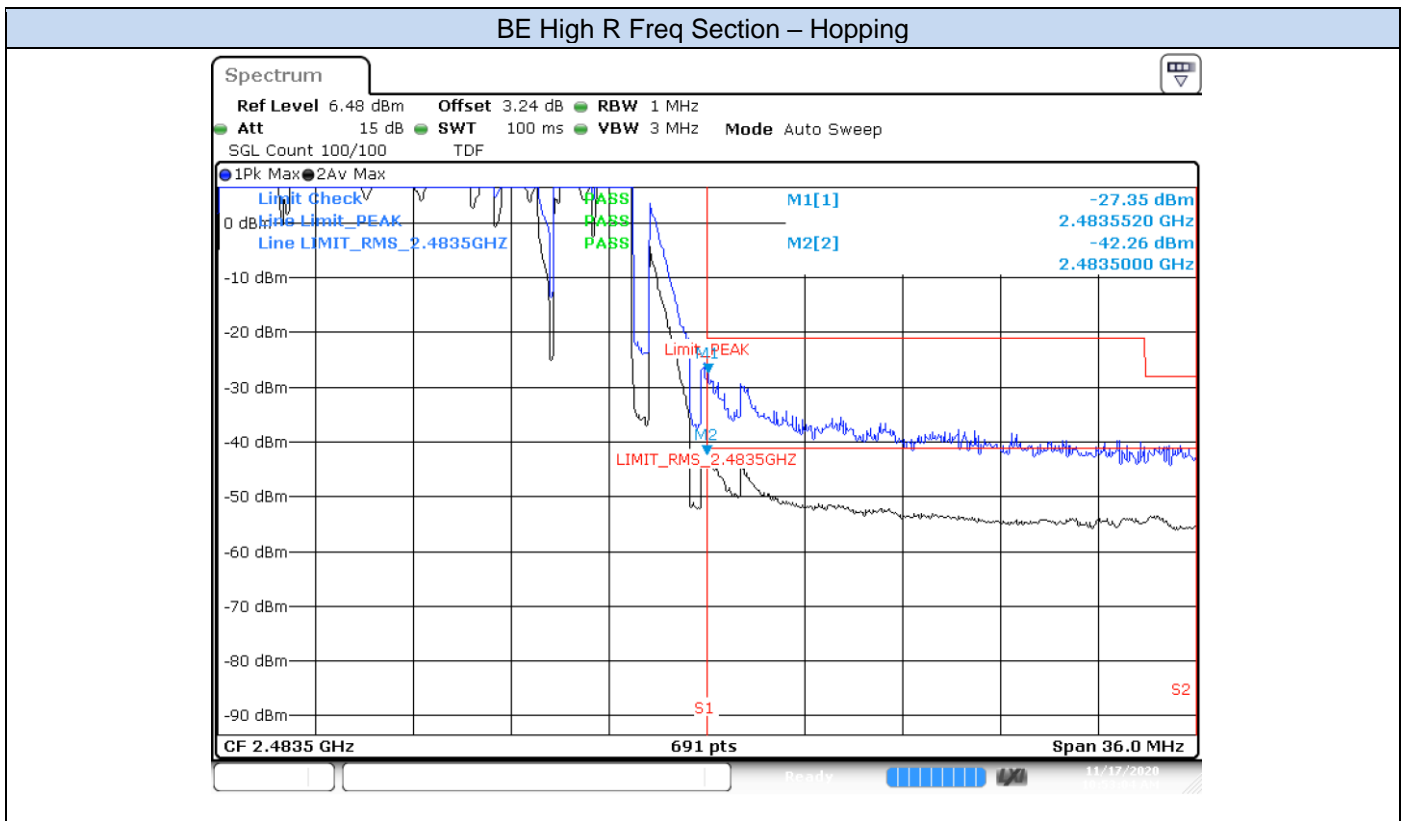


BE Low NR Freq Section – Hopping

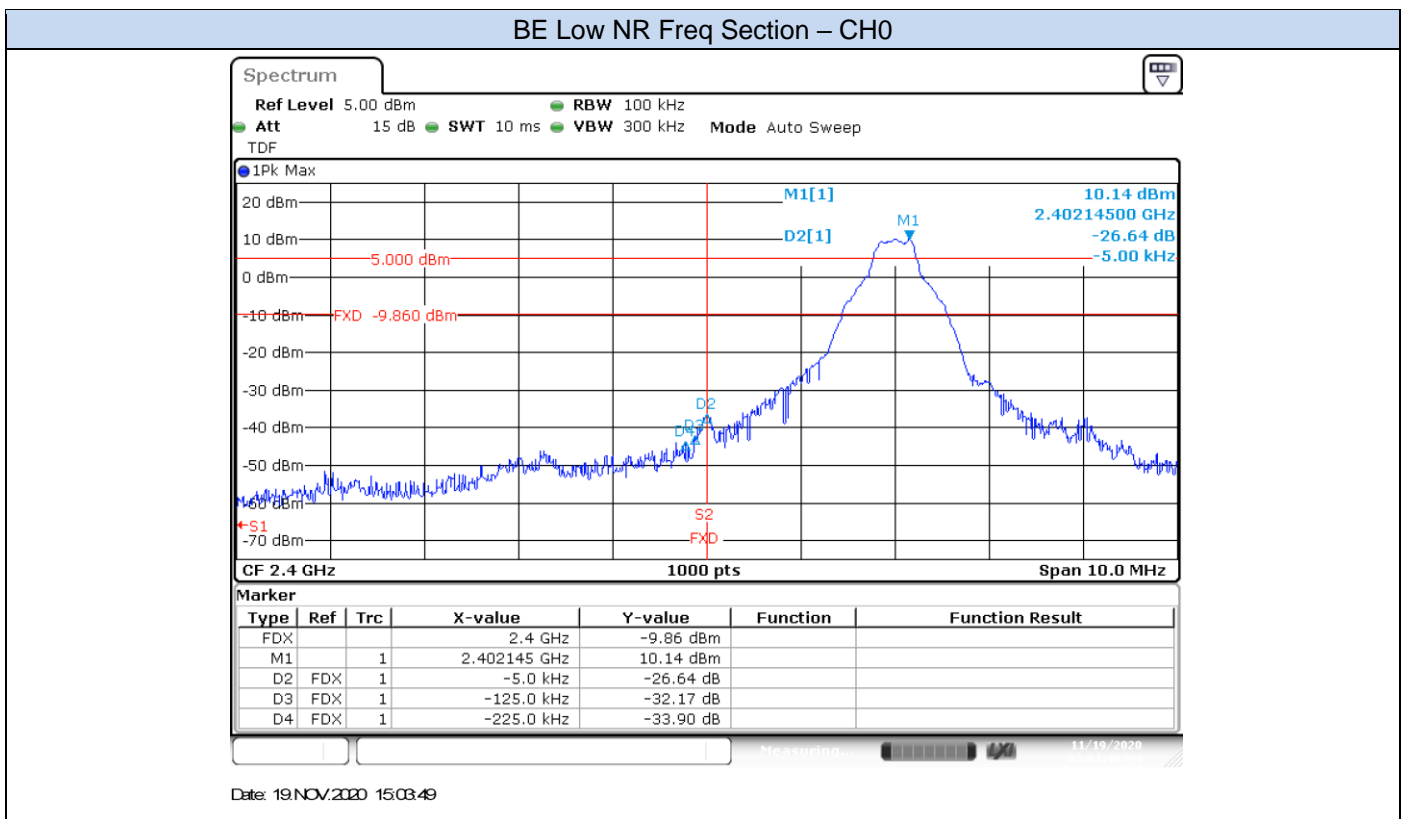


BE Low R Freq Section – Hopping

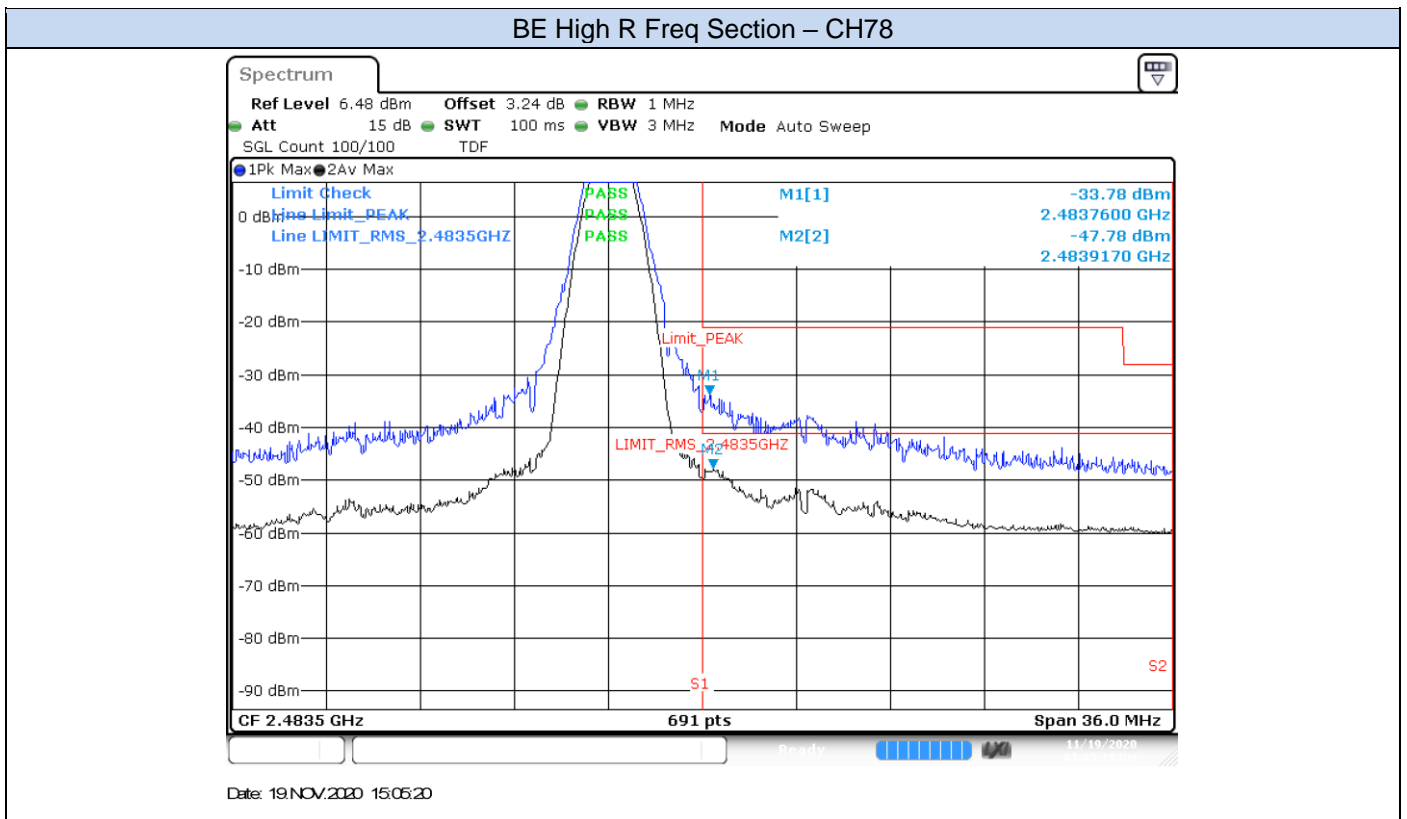
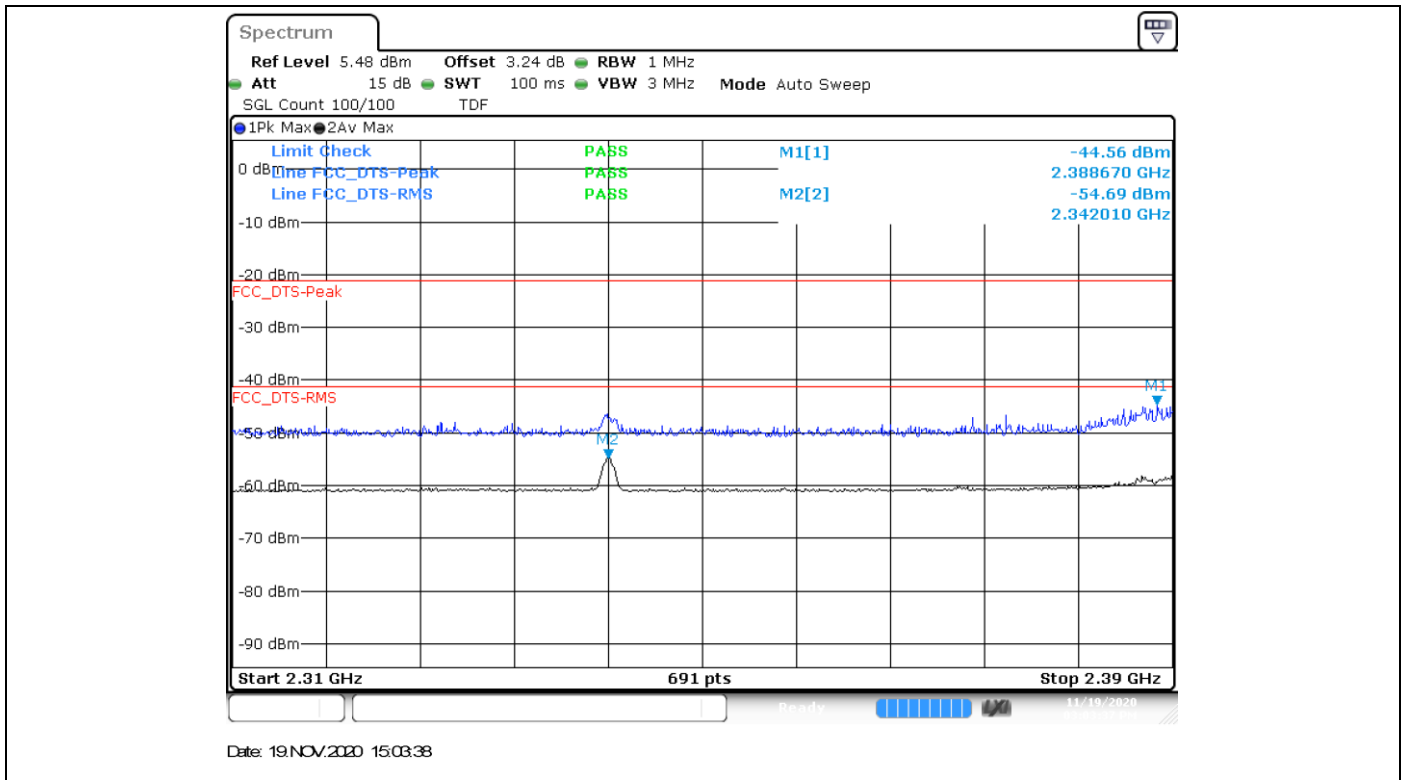




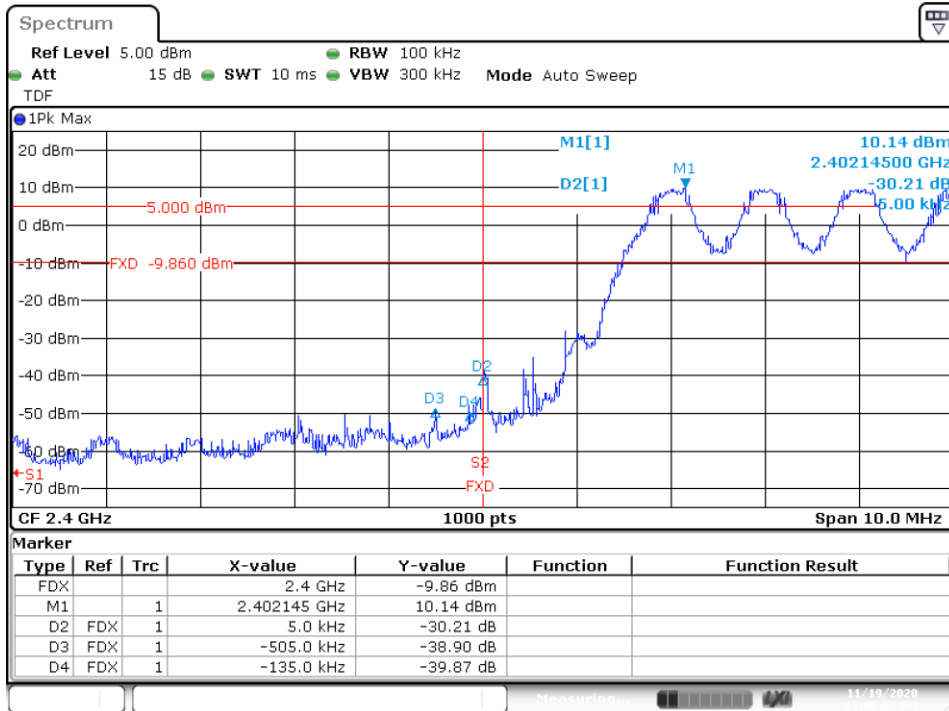
CHAIN A DIV2_Basic Rate - GFSK



BE Low R Freq Section – CH0

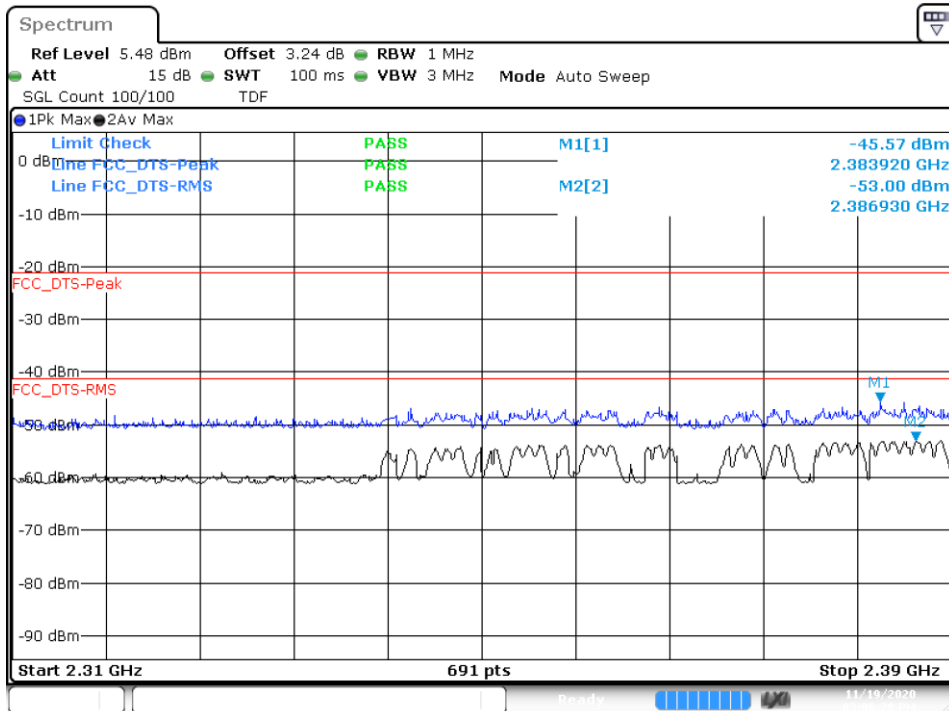


BE Low NR Freq Section – Hopping

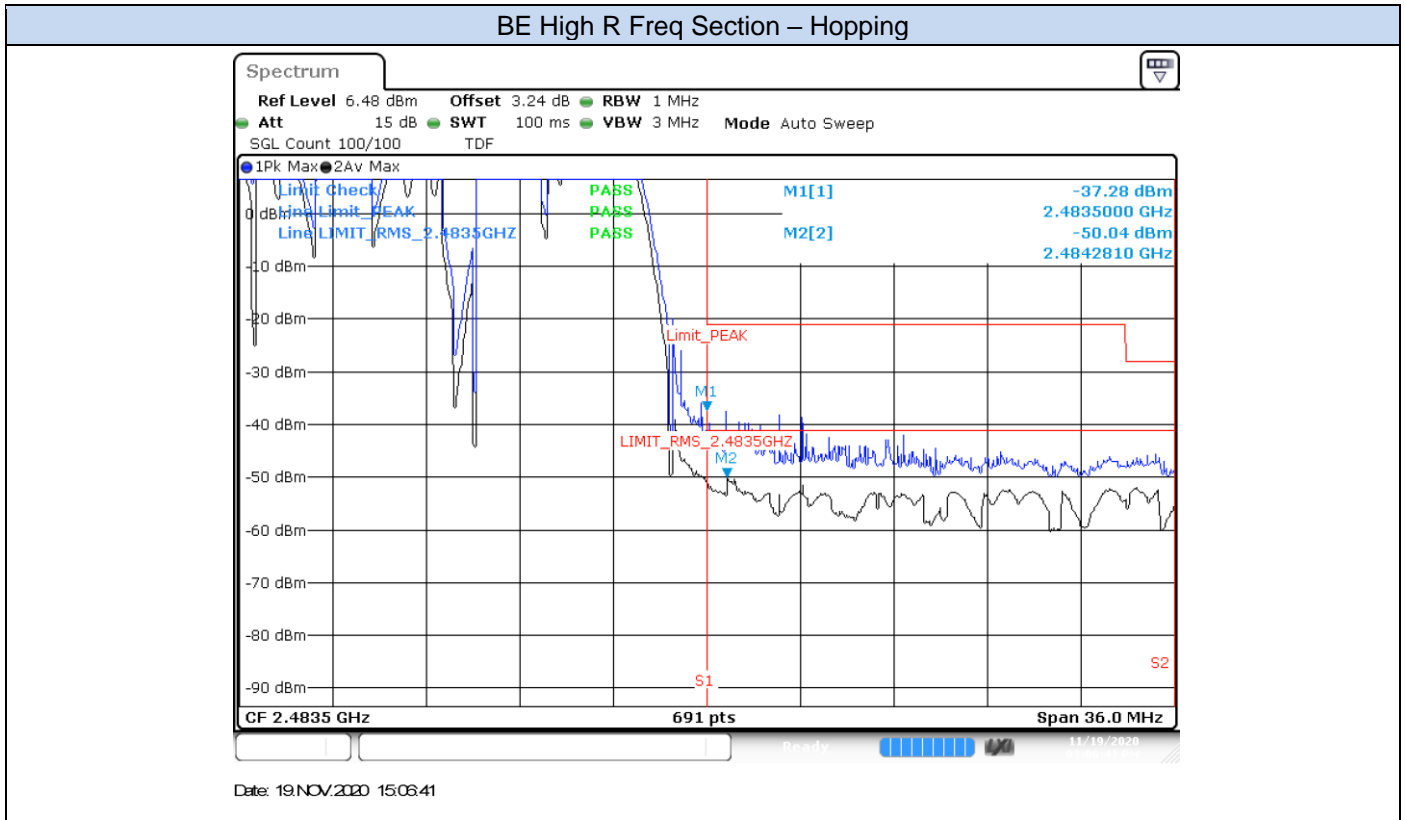


Date: 19.NOV.2020 15:06:05

BE Low R Freq Section – Hopping

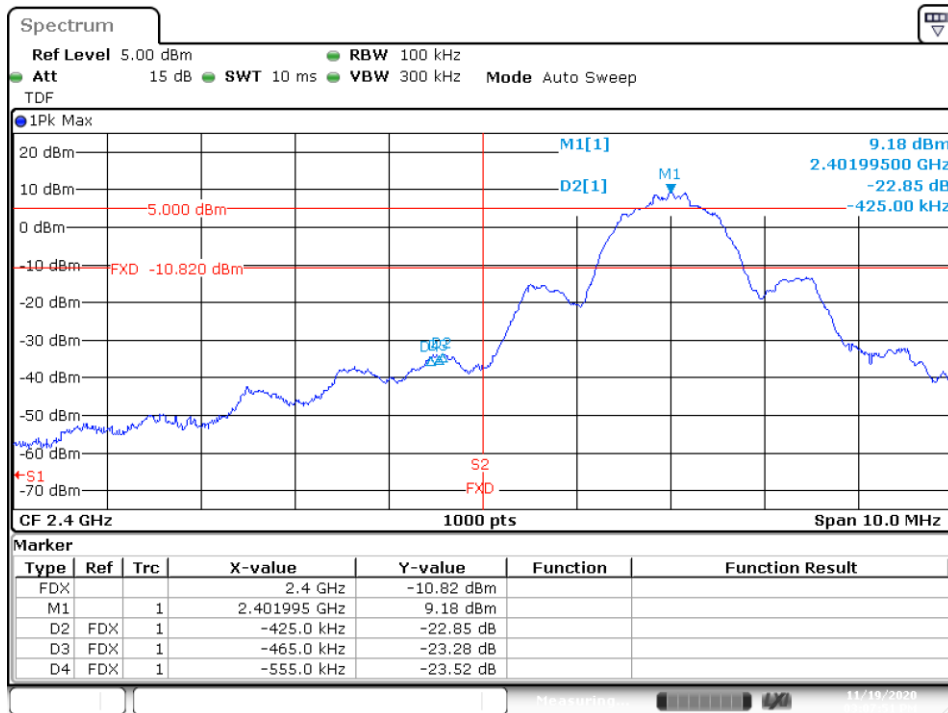


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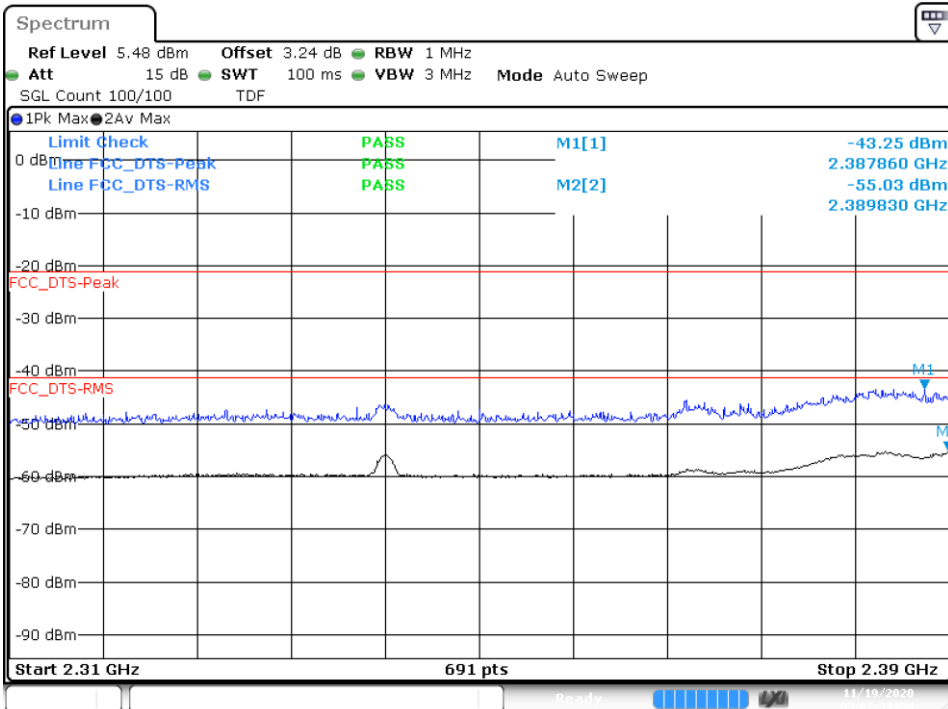


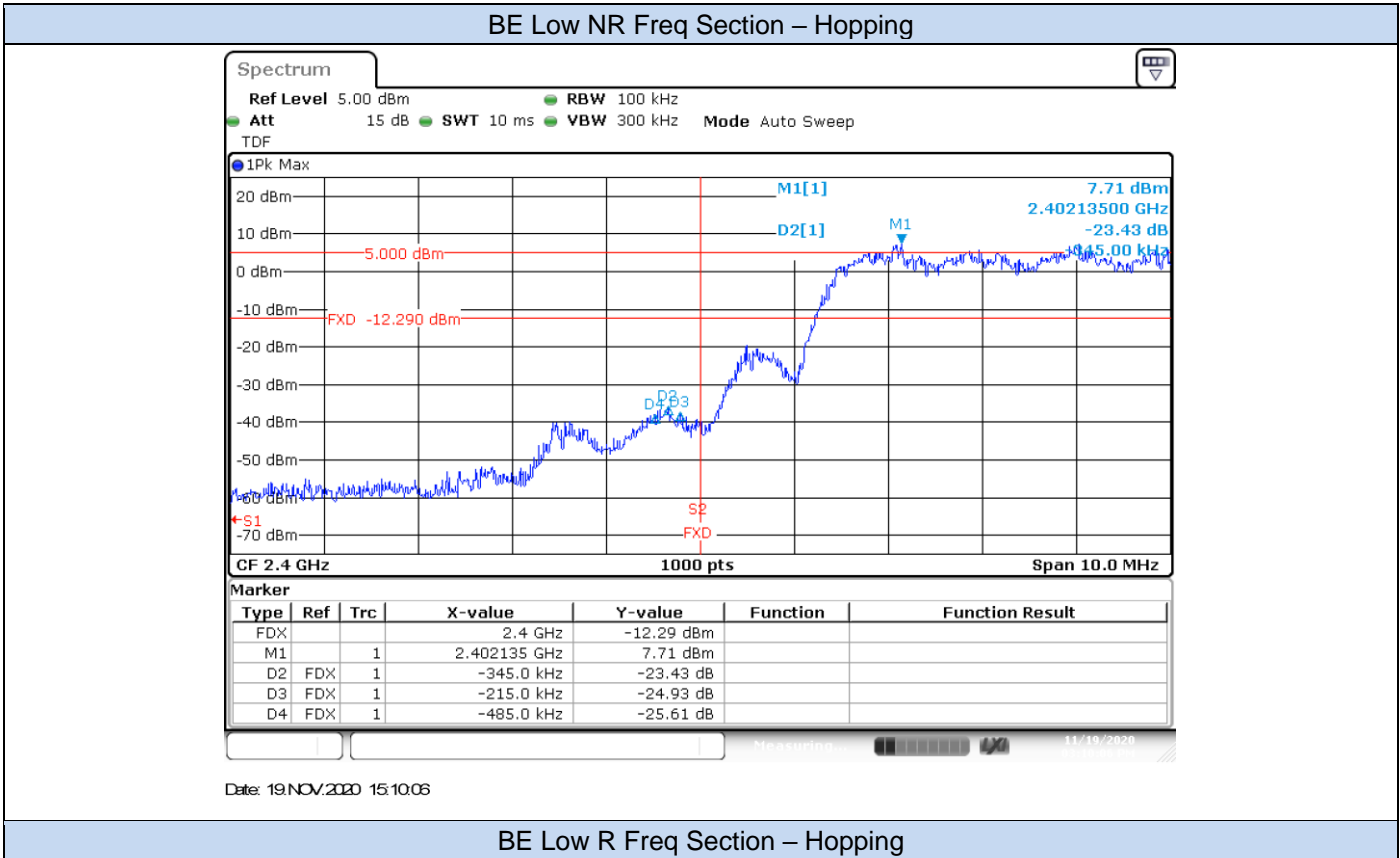
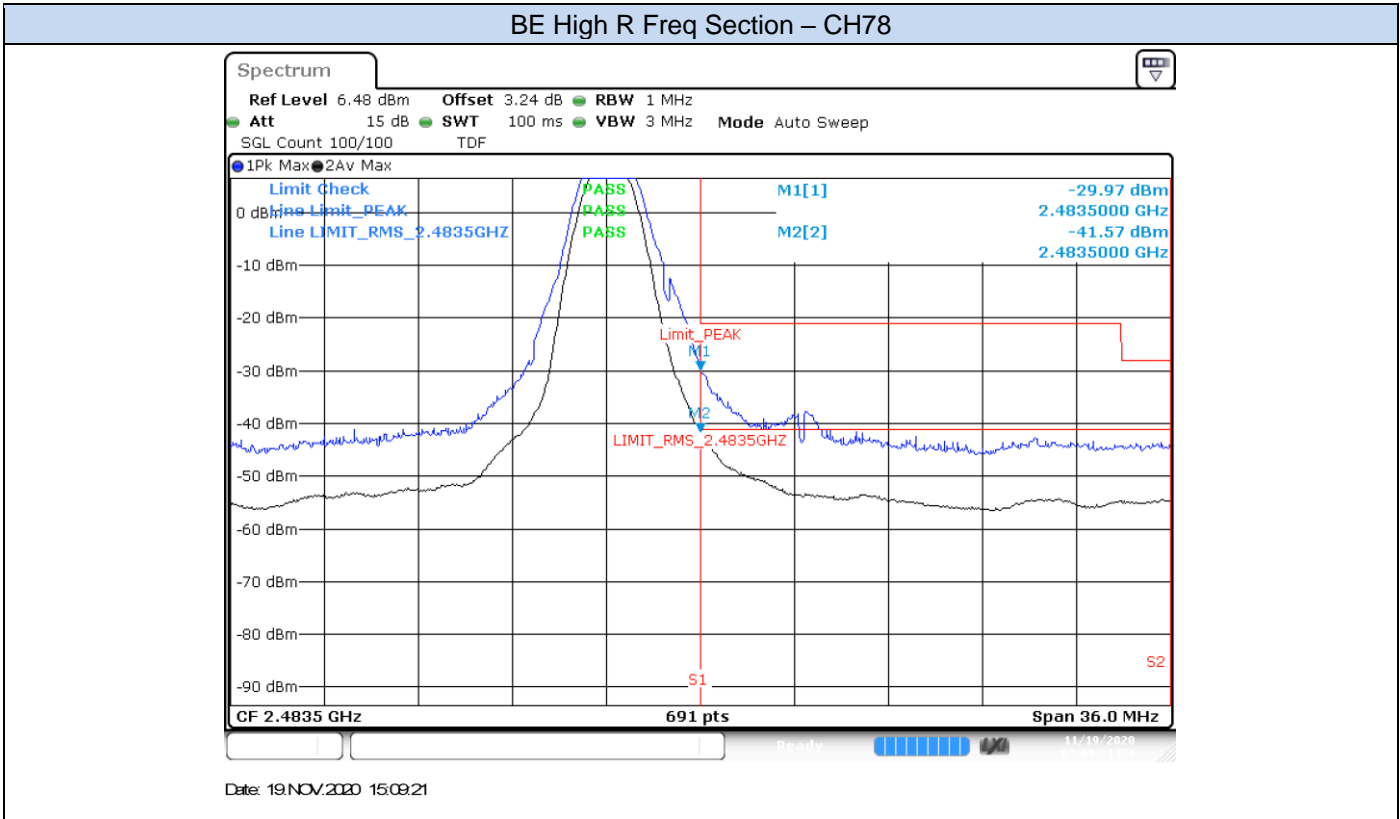
EDR – $\pi/4$ -DQPSK

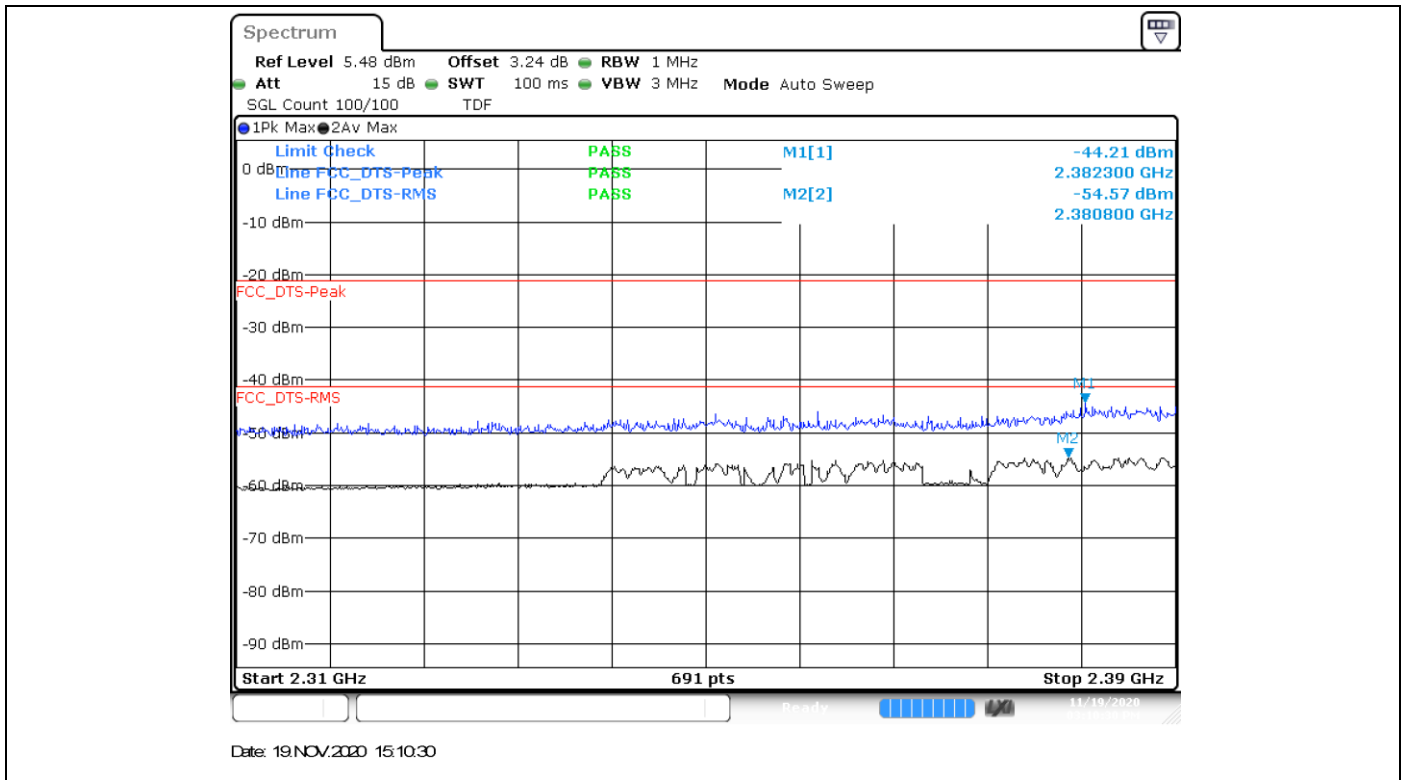
BE Low NR Freq Section – CH0

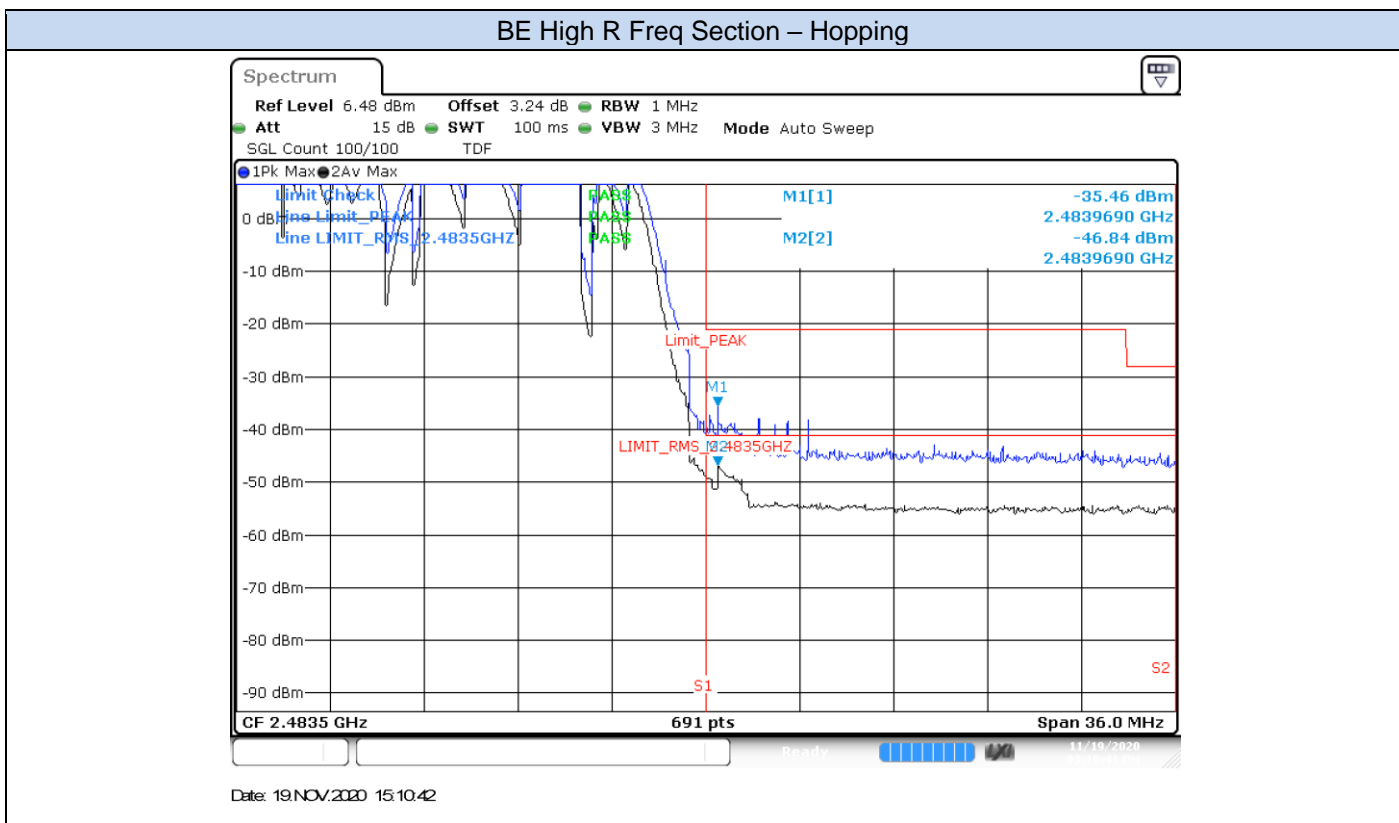


BE Low R Freq Section – CH0



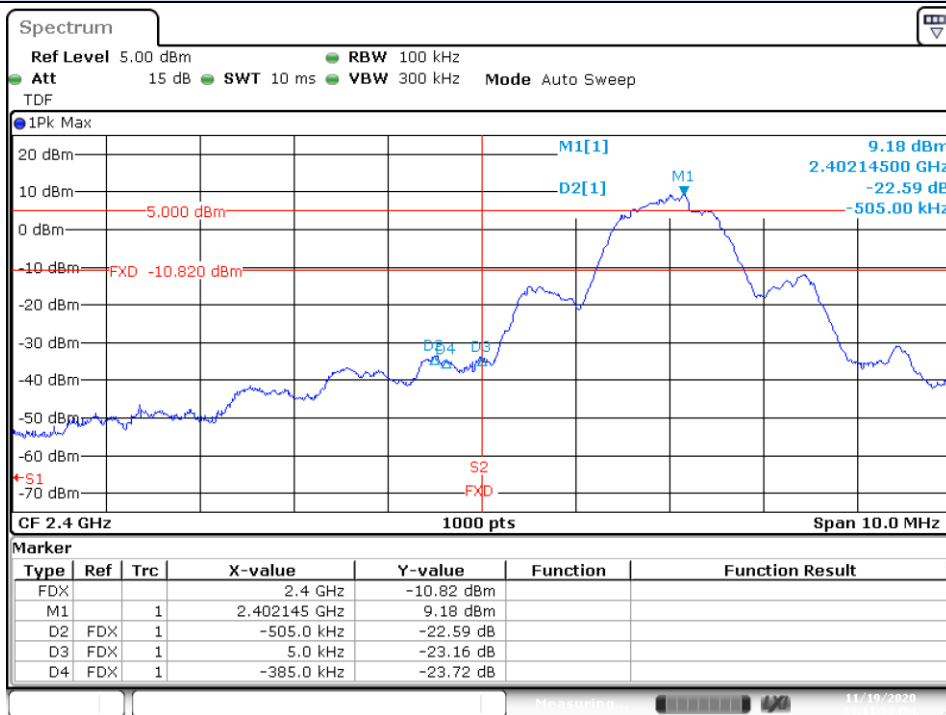






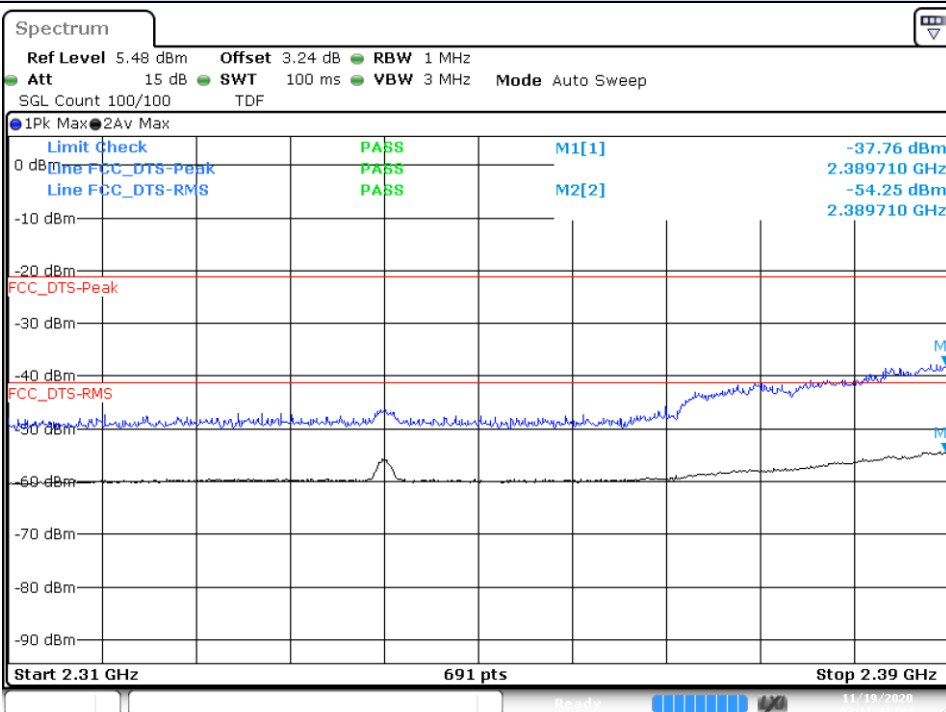
EDR – 8-DPSK

BE Low NR Freq Section – CH0

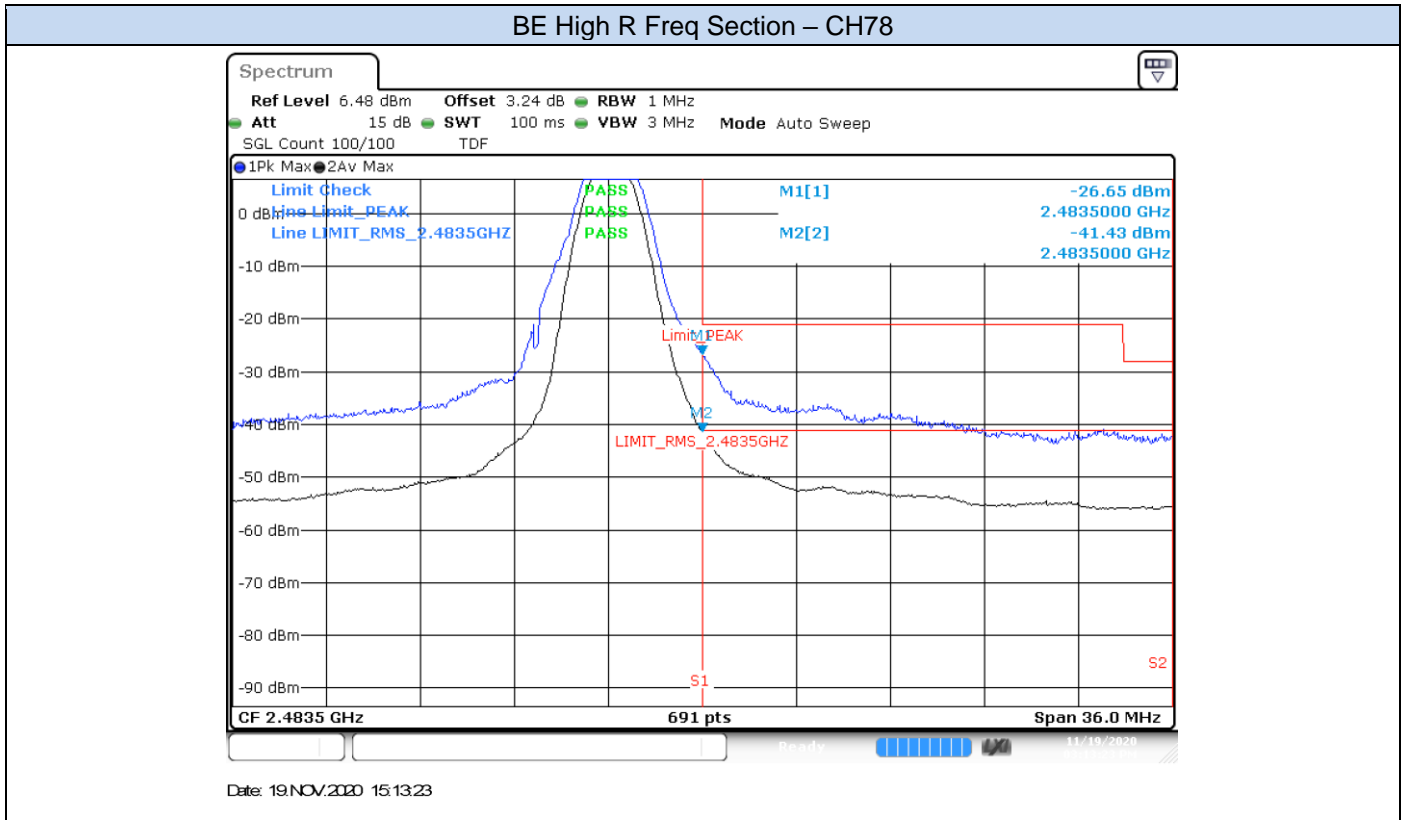


Date: 19.NOV.2020 15:11:52

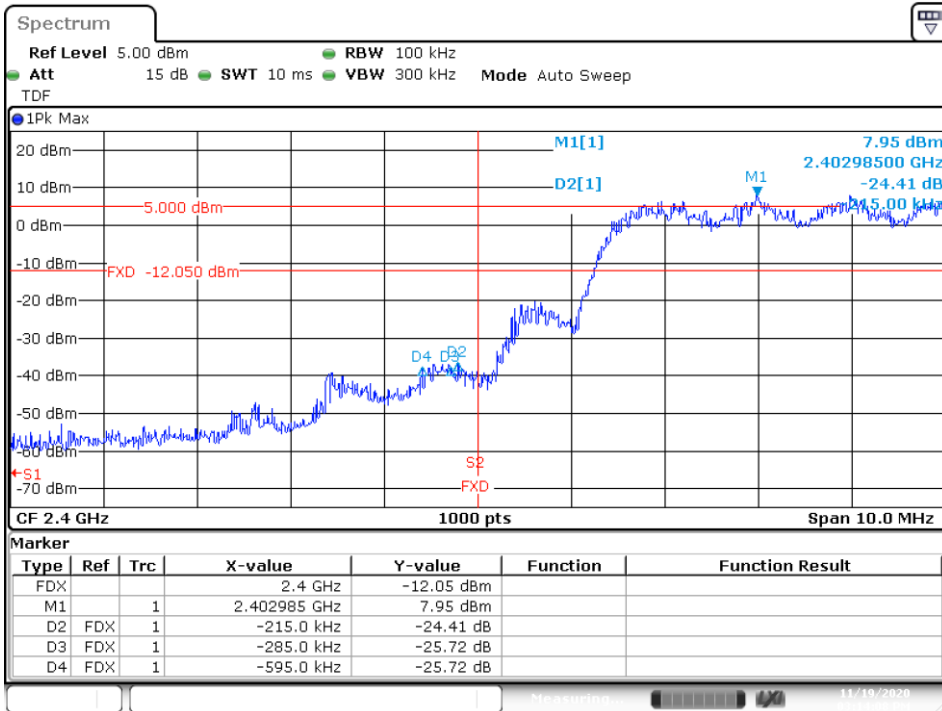
BE Low R Freq Section – CH0



Date: 19.NOV.2020 15:11:41

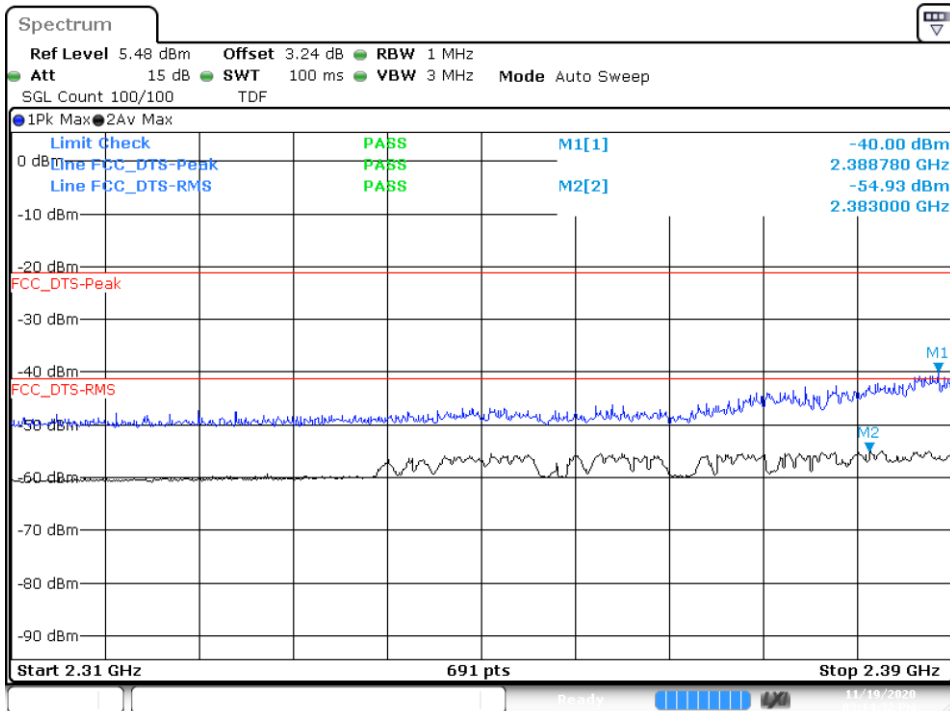


BE Low NR Freq Section – Hopping

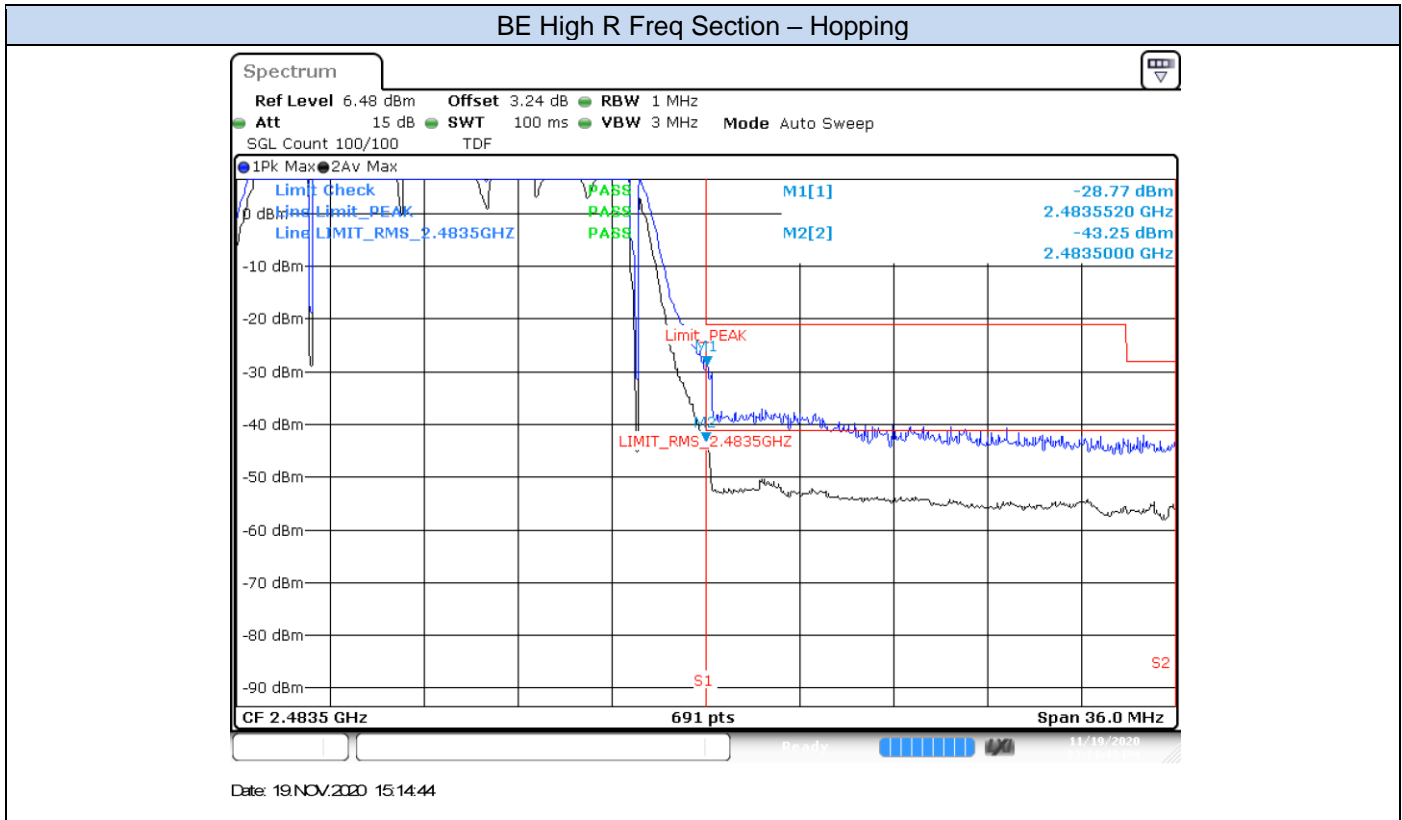


Date: 19 NOV 2020 15:14:09

BE Low R Freq Section – Hopping



Date: 19 NOV 2020 15:14:32



B.6 Radiated spurious emission

B.6.1 Standards references

FCC part	RSS part	Limits																					
15.247 (d) 15.209 (a)	RSS-247 Clause 5.5 RSS GEN A1 Clause 8.9	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):																					
		<table border="1"> <thead> <tr> <th data-bbox="627 510 783 573">Freq Range (MHz)</th> <th data-bbox="826 510 983 573">Field Strength ($\mu\text{V}/\text{m}$)</th> <th data-bbox="1026 510 1182 573">Field Strength ($\text{dB}\mu\text{V}/\text{m}$)</th> <th data-bbox="1225 510 1382 573">Meas. Distance (m)</th> </tr> </thead> <tbody> <tr> <td data-bbox="627 573 783 611">30-88</td> <td data-bbox="826 573 983 611">100</td> <td data-bbox="1026 573 1182 611">40</td> <td data-bbox="1225 573 1382 611">3</td> </tr> <tr> <td data-bbox="627 611 783 649">88-216</td> <td data-bbox="826 611 983 649">150</td> <td data-bbox="1026 611 1182 649">43.5</td> <td data-bbox="1225 611 1382 649">3</td> </tr> <tr> <td data-bbox="627 649 783 687">216-960</td> <td data-bbox="826 649 983 687">200</td> <td data-bbox="1026 649 1182 687">46</td> <td data-bbox="1225 649 1382 687">3</td> </tr> <tr> <td data-bbox="627 687 783 725">Above 960</td> <td data-bbox="826 687 983 725">500</td> <td data-bbox="1026 687 1182 725">54</td> <td data-bbox="1225 687 1382 725">3</td> </tr> </tbody> </table>	Freq Range (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Field Strength ($\text{dB}\mu\text{V}/\text{m}$)	Meas. Distance (m)	30-88	100	40	3	88-216	150	43.5	3	216-960	200	46	3	Above 960	500	54	3	Field Strength ($\mu\text{V}/\text{m}$)
Freq Range (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Field Strength ($\text{dB}\mu\text{V}/\text{m}$)	Meas. Distance (m)																				
30-88	100	40	3																				
88-216	150	43.5	3																				
216-960	200	46	3																				
Above 960	500	54	3																				
The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.																							

B.6.2 Test procedure

The radiated setups shown in section *Test & System Description* were used to measure the radiated spurious emissions.

Depending of the frequency range and bands being tested, different antennas and filters were used.

The final measurement is done by varying the antenna height from 1 m to 4 m, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emission was measured on the worst case configuration found.

B.6.3 Test Results**Radiated spurious - 30 MHz – 1 GHz****Radiated Spurious – All modes**

Frequency	Quasi-Peak	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB	---
37.5	30.1	40.0	9.9	V
250.0	40.6	46.0	5.4	H
261.5	40.8	46.0	5.2	H

Note 1: The spurious signals detected do not depend on either the operating channel or the modulation mode

1 GHz – 26.5 GHz, BR – GFSK**Radiated Spurious – CH0 DH5 – DIV1**

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2943.0	---	47.5	54.0	6.5	V
2947.5	61.5	---	74.0	12.5	H
9608.0	---	42.0	54.0	12.0	V
9608.5	50.1	---	74.0	23.9	V
14412.5	---	42.9	54.0	11.1	V
14412.5	52.4	---	74.0	21.6	V
24550.5	49.6	---	74.0	24.4	H
24553.5	---	36.4	54.0	17.6	V

Radiated Spurious – CH39 DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2996.5	---	47.8	54.0	6.2	V
2998.0	60.6	---	74.0	13.4	H
9764.0	---	39.6	54.0	14.4	V
9765.0	48.5	---	74.0	25.5	V
14645.0	---	41.3	54.0	12.7	V
14646.5	50.6	---	74.0	23.4	H
25245.0	---	37.0	54.0	17.0	H
25246.0	50.5	---	74.0	23.5	V

Radiated Spurious – CH78 DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2781.0	---	47.4	54.0	6.6	V
2781.0	61.0	---	74.0	13.0	H
9919.5	49.1	---	74.0	24.9	V
9920.0	---	40.6	54.0	13.4	V
14879.0	51.8	---	74.0	22.2	V
14880.5	---	41.4	54.0	12.6	V
24728.5	49.2	---	74.0	24.8	H
24746.0	---	35.6	54.0	18.4	V

1 GHz – 26.5 GHz, BR – GFSK

Radiated Spurious – CH0 DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
3084.0	---	48.0	54.0	6.0	H
3084.5	62.0	---	74.0	12.0	V
9608.0	50.0	---	74.0	24.0	V
9608.0	---	41.7	54.0	12.3	V
14411.0	---	41.6	54.0	12.4	V
14412.5	51.5	---	74.0	22.5	V
24263.0	49.5	---	74.0	24.5	V
24277.5	---	36.8	54.0	17.2	H

Radiated Spurious – CH39 DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
3002.5	60.8	---	74.0	13.2	H
3004.5	---	47.9	54.0	6.1	H
9764.5	48.0	---	74.0	26.0	V
9764.5	---	38.9	54.0	15.1	V
14646.5	---	40.6	54.0	13.4	V
14647.0	51.2	---	74.0	22.8	H
24350.5	48.6	---	74.0	25.4	H
24359.5	---	36.6	54.0	17.4	H

Radiated Spurious – CH78 DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2921.5	61.4	---	74.0	12.6	V
2922.0	---	47.4	54.0	6.6	H
9920.0	---	40.7	54.0	13.3	V
9921.0	49.5	---	74.0	24.5	V
14878.5	52.3	---	74.0	21.7	V
14879.0	---	41.4	54.0	12.6	V
24422.0	50.6	---	74.0	23.4	V
24436.0	---	36.6	54.0	17.4	H

1 GHz – 26.5 GHz, EDR – $\pi/4$ -DQPSK**Radiated Spurious – CH0 2DH5 – DIV1**

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2752.0	61.2	---	74.0	12.8	H
2753.0	---	47.3	54.0	6.7	H
9607.5	48.7	---	74.0	25.3	V
9608.0	---	38.5	54.0	15.5	V
24498.5	50.0	---	74.0	24.0	H
24508.5	---	36.3	54.0	17.7	V

Radiated Spurious – CH39 2DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2886.5	---	47.3	54.0	6.7	H
2892.0	61.0	---	74.0	13.0	V
9764.5	47.4	---	74.0	26.6	V
9764.5	---	36.8	54.0	17.2	V
24364.5	49.2	---	74.0	24.8	H
24393.5	---	36.6	54.0	17.4	H

Radiated Spurious – CH78 2DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2961.0	61.2	---	74.0	12.8	V
2962.5	---	47.8	54.0	6.2	H
9919.5	48.6	---	74.0	25.4	V
9920.0	---	38.0	54.0	16.0	V
24101.0	---	36.7	54.0	17.3	H
24102.0	50.3	---	74.0	23.7	V

1 GHz – 26.5 GHz, EDR – $\pi/4$ -DQPSK**Radiated Spurious – CH0 2DH5 – DIV2**

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2676.5	---	47.4	54.0	6.6	H
2677.5	61.5	---	74.0	12.5	H
9608.0	48.0	---	74.0	26.0	H
9608.0	---	38.5	54.0	15.5	V
24309.5	---	36.6	54.0	17.4	H
24311.0	49.6	---	74.0	24.4	V

Radiated Spurious – CH39 2DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2930.5	60.9	---	74.0	13.1	V
2933.0	---	47.5	54.0	6.5	H
9763.5	---	36.8	54.0	17.2	V
9764.5	47.1	---	74.0	26.9	V
24402.5	---	36.6	54.0	17.4	H
24409.5	50.2	---	74.0	23.8	H

Radiated Spurious – CH78 2DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
3019.5	60.6	---	74.0	13.4	H
3021.5	---	47.9	54.0	6.1	H
9919.5	---	38.1	54.0	15.9	V
9921.0	48.6	---	74.0	25.4	V
21218.5	---	35.9	54.0	18.1	H
21218.5	49.9	---	74.0	24.1	V

1 GHz – 26.5 GHz, EDR – 8-DPSK

Radiated Spurious – CH0 3DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2877.5	---	47.5	54.0	6.5	H
2881.0	60.8	---	74.0	13.2	V
9608.0	48.7	---	74.0	25.3	H
9608.0	---	39.0	54.0	15.0	V
24191.5	49.4	---	74.0	24.6	H
24201.5	---	36.6	54.0	17.4	V

Radiated Spurious – CH39 3DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2989.0	61.2	---	74.0	12.8	V
2990.5	---	47.8	54.0	6.2	V
9764.0	---	37.0	54.0	17.0	V
9765.0	47.2	---	74.0	26.8	V
21676.0	---	35.6	54.0	18.4	H
21677.0	50.2	---	74.0	23.8	H

Radiated Spurious – CH78 3DH5 – DIV1

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2960.5	---	47.6	54.0	6.4	V
2960.5	61.3	---	74.0	12.7	H
9919.5	48.4	---	74.0	25.6	V
9920.0	---	38.4	54.0	15.6	V
24221.0	50.1	---	74.0	23.9	H
24222.5	---	36.5	54.0	17.5	H

1 GHz – 26.5 GHz, EDR – 8-DPSK

Radiated Spurious – CH0 3DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2958.5	61.9	---	74.0	12.1	H
2963.0	---	47.8	54.0	6.2	H
9604.5	48.0	---	74.0	26.0	H
9608.0	---	38.3	54.0	15.7	V
21999.5	---	34.6	54.0	19.4	H
22000.0	48.9	---	74.0	25.1	V

Radiated Spurious – CH39 3DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2826.0	60.9	---	74.0	13.1	V
2827.5	---	47.5	54.0	6.5	V
9764.0	46.2	---	74.0	27.8	V
9764.0	---	36.9	54.0	17.1	V
14646.0	49.9	---	74.0	24.1	H
14646.0	---	38.6	54.0	15.4	V
22769.0	---	36.3	54.0	17.7	H
22769.5	50.5	---	74.0	23.5	H

Radiated Spurious – CH78 3DH5 – DIV2

Frequency	MaxPeak	Average	Limit	Margin	Polar
MHz	dB μ V/m	dB μ V/m	dB μ V/m	dB	---
2885.0	---	47.3	54.0	6.7	V
2885.0	60.2	---	74.0	13.8	H
9920.0	48.5	---	74.0	25.5	V
9920.0	---	38.6	54.0	15.4	V
23626.5	---	36.2	54.0	17.8	H
23626.5	50.0	---	74.0	24.0	V