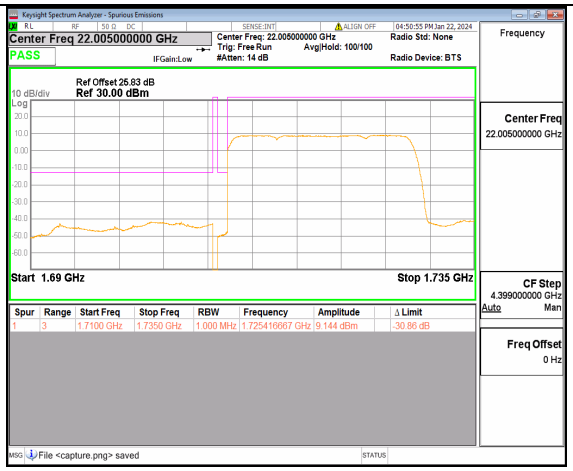
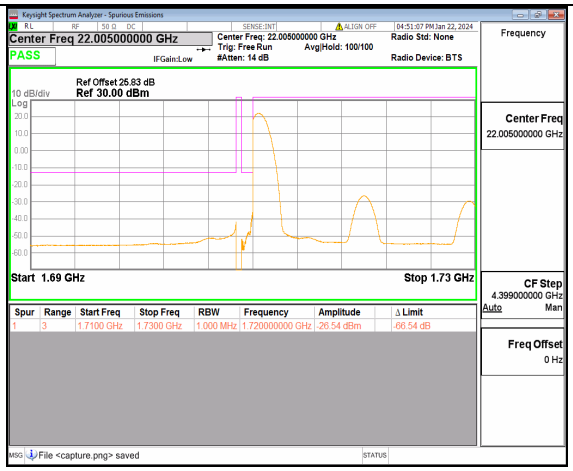
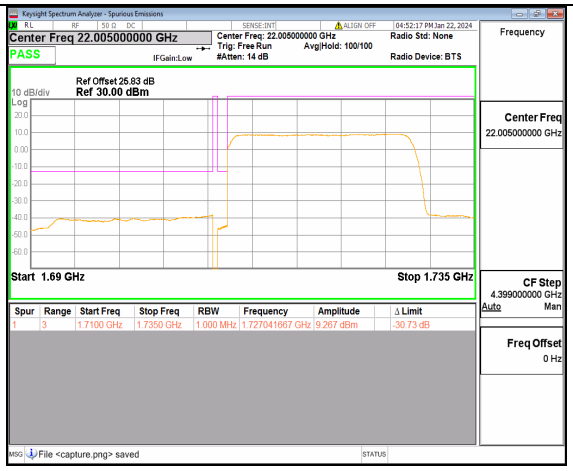


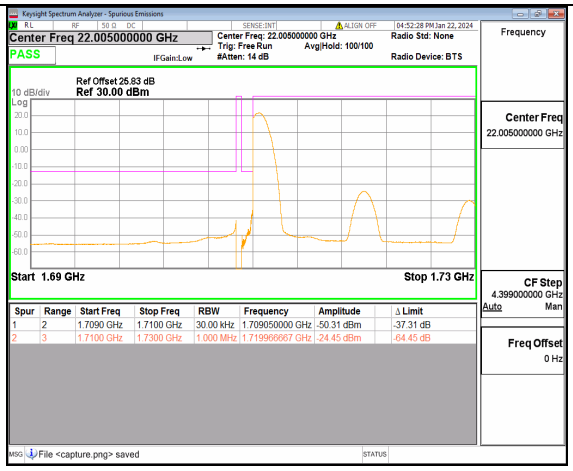
n66 20M DFT-s-OFDM BPSK Outer_Full Low



n66 20M DFT-s-OFDM BPSK Edge_1RB_Left Low



n66 20M DFT-s-OFDM QPSK Outer_Full Low



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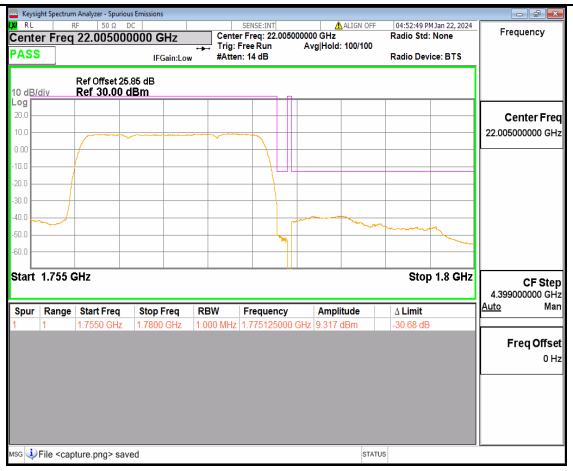
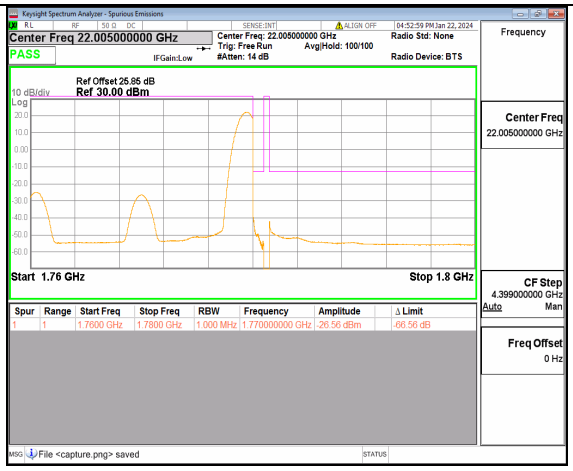
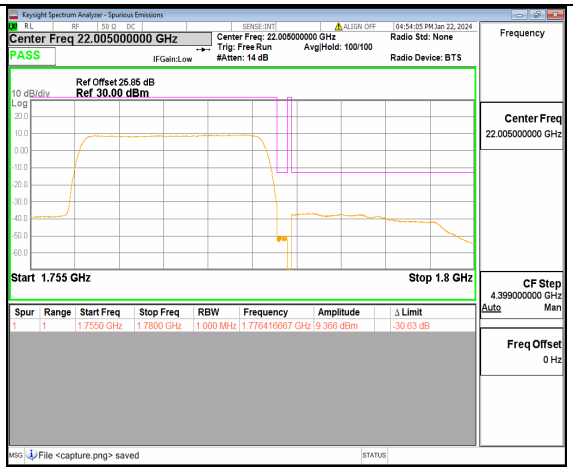


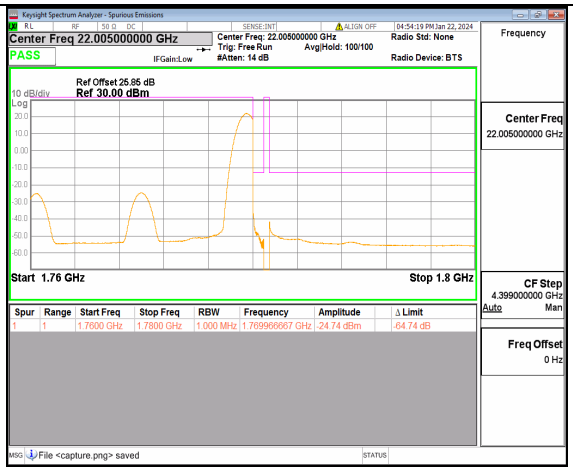
n66 20M DFT-s-OFDM BPSK Outer_Full High



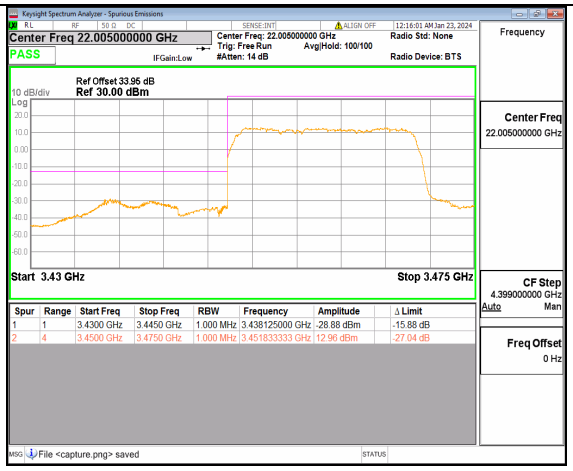
n66 20M DFT-s-OFDM BPSK Edge_1RB_Right High



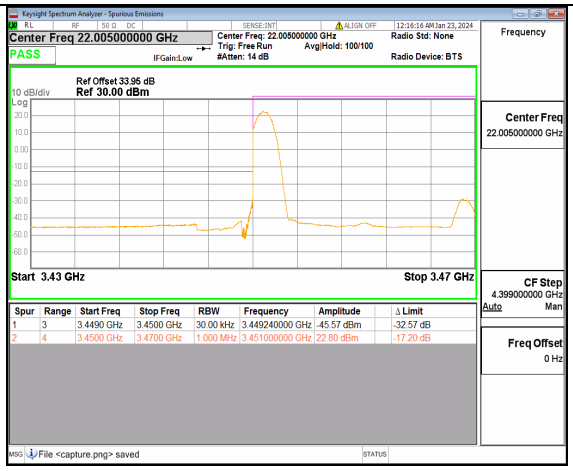
n66 20M DFT-s-OFDM QPSK Outer_Full High



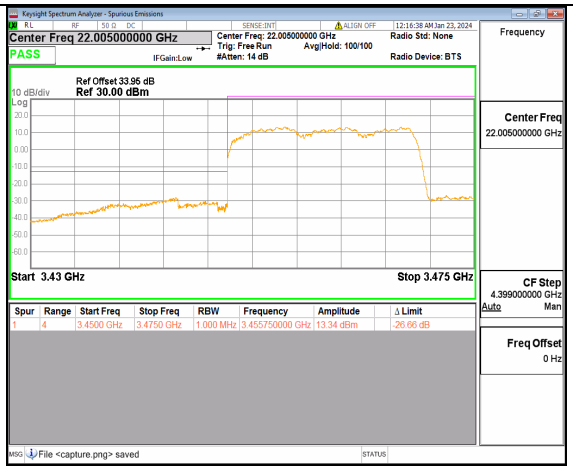
n66 20M DFT-s-OFDM QPSK Edge_1RB_Right High



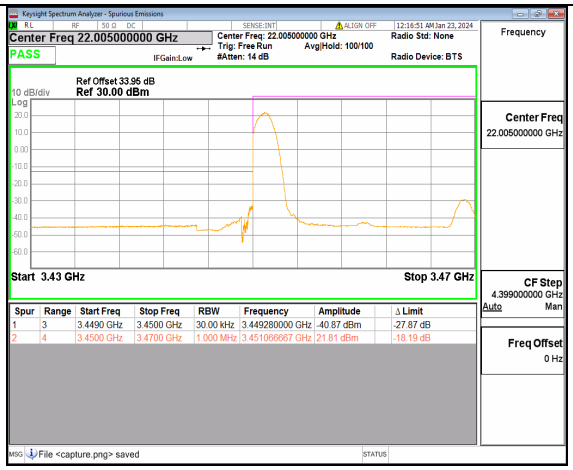
n77(3450-3550MHz) 20M DFT-s-OFDM BPSK Outer_Full Low



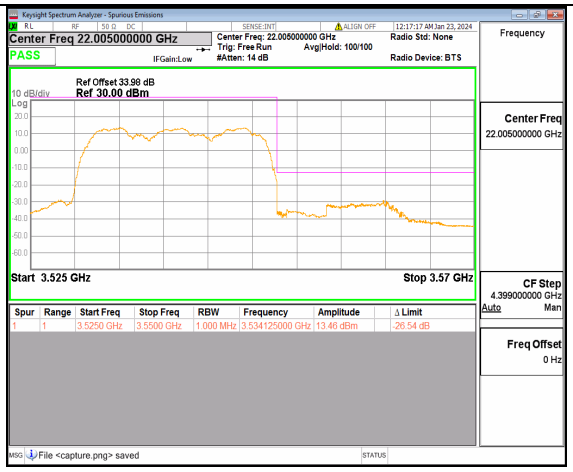
n77(3450-3550MHz) 20M DFT-s-OFDM BPSK Edge_1RB_Left Low



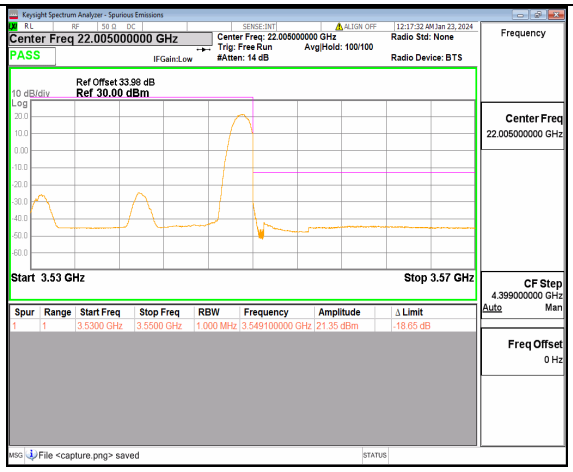
n77(3450-3550MHz) 20M DFT-s-OFDM QPSK Outer_Full Low



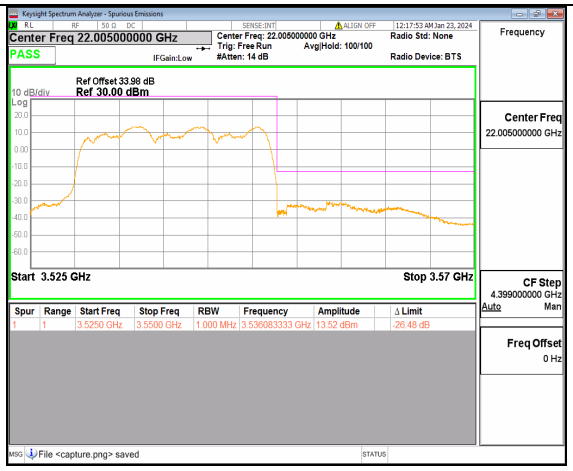
n77(3450-3550MHz) 20M DFT-s-OFDM QPSK Edge_1RB_Left Low



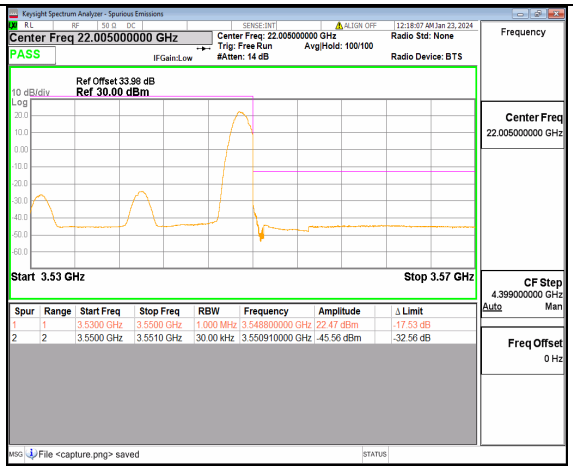
n77(3450-3550MHz) 20M DFT-s-OFDM BPSK Outer_Full High



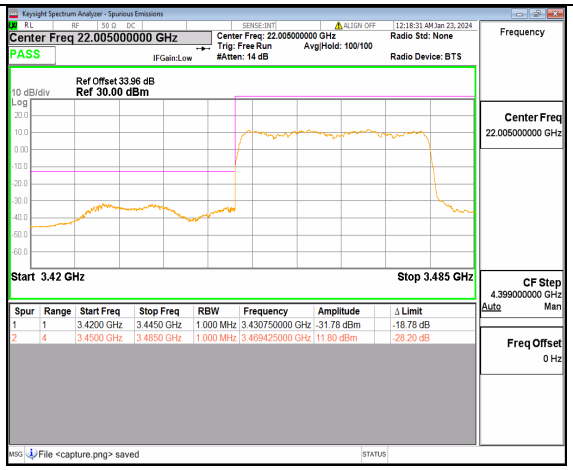
n77(3450-3550MHz) 20M DFT-s-OFDM BPSK Edge_1RB_Right High



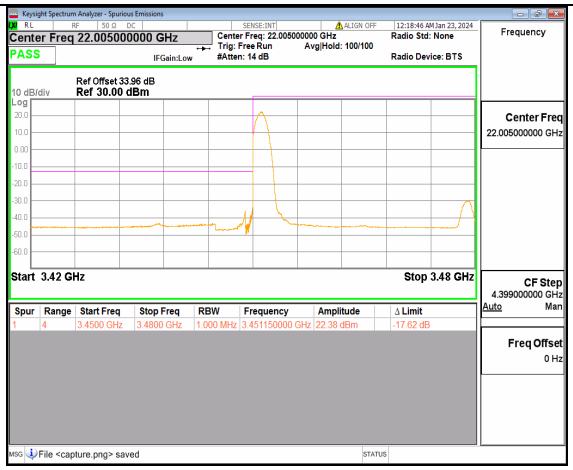
n77(3450-3550MHz) 20M DFT-s-OFDM QPSK Outer_Full High



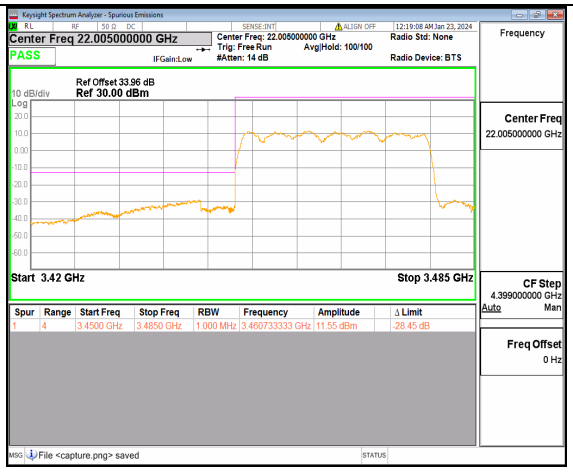
n77(3450-3550MHz) 20M DFT-s-OFDM QPSK Edge_1RB_Right High



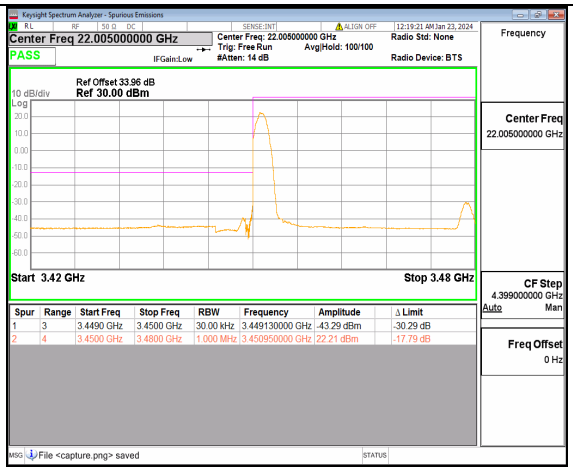
n77(3450-3550MHz) 30M DFT-s-OFDM BPSK Outer_Full Low



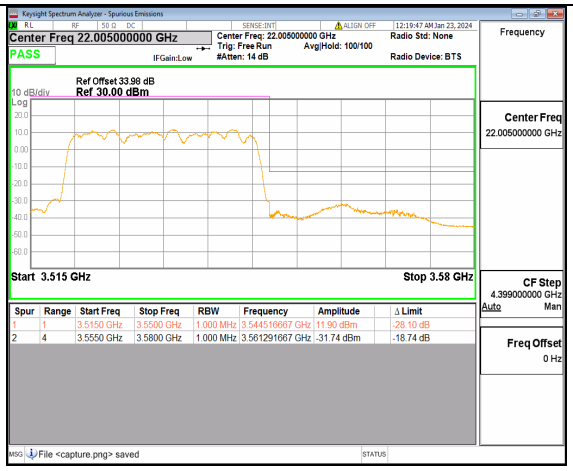
n77(3450-3550MHz) 30M DFT-s-OFDM BPSK Edge_1RB_Left Low



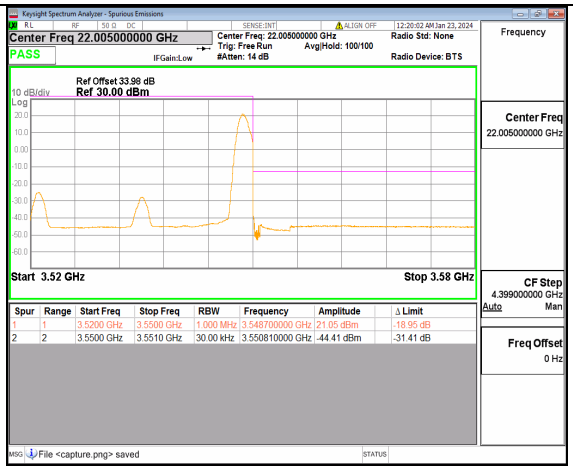
n77(3450-3550MHz) 30M DFT-s-OFDM QPSK Outer_Full Low



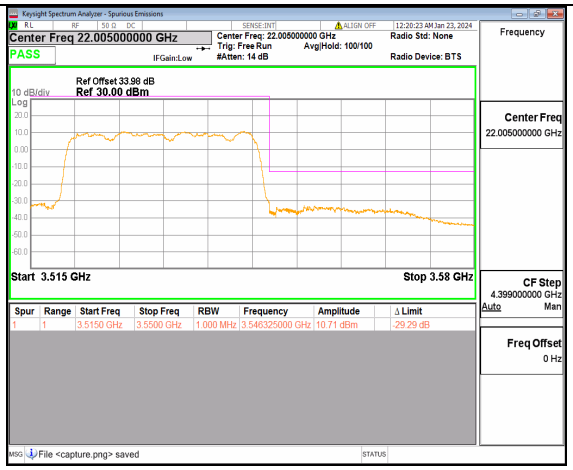
n77(3450-3550MHz) 30M DFT-s-OFDM QPSK Edge_1RB_Left Low



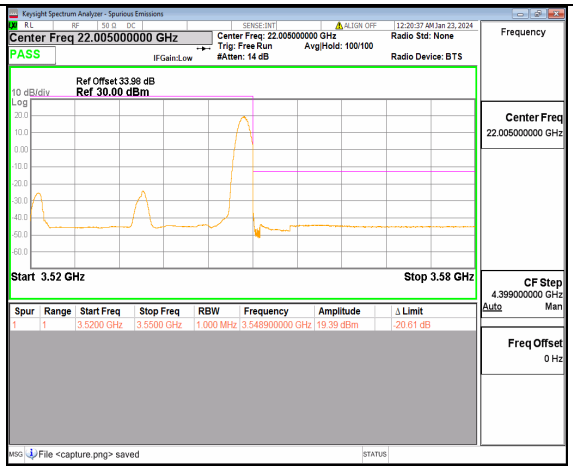
n77(3450-3550MHz) 30M DFT-s-OFDM BPSK Outer_Full High



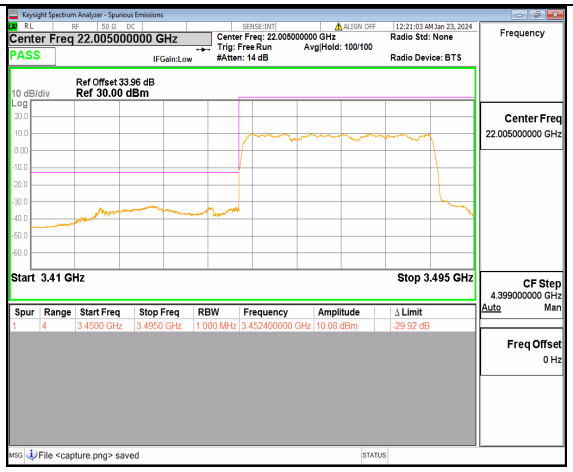
n77(3450-3550MHz) 30M DFT-s-OFDM BPSK Edge_1RB_Right High



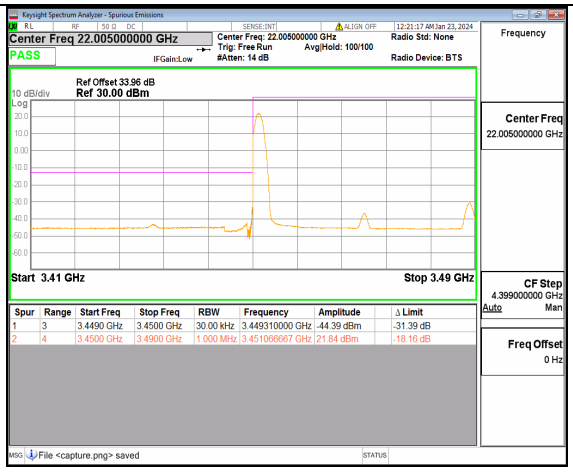
n77(3450-3550MHz) 30M DFT-s-OFDM QPSK Outer_Full High



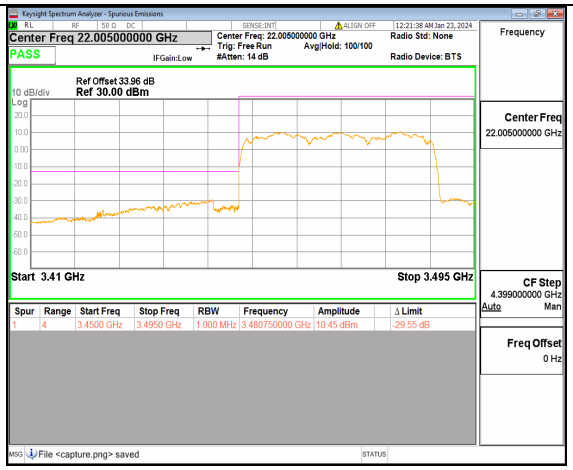
n77(3450-3550MHz) 30M DFT-s-OFDM QPSK Edge_1RB_Right High



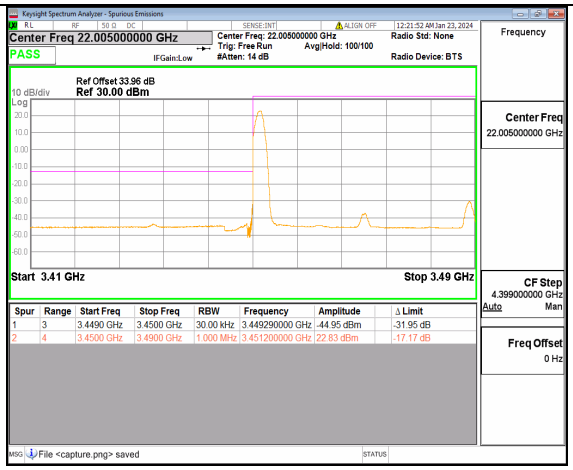
n77(3450-3550MHz) 40M DFT-s-OFDM BPSK Outer_Full Low



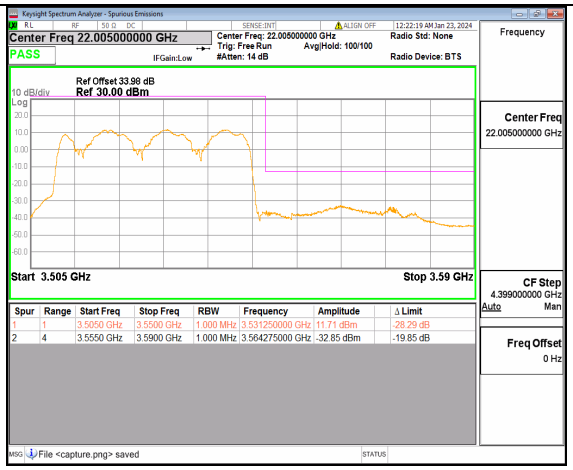
n77(3450-3550MHz) 40M DFT-s-OFDM BPSK Edge_1RB_Left Low



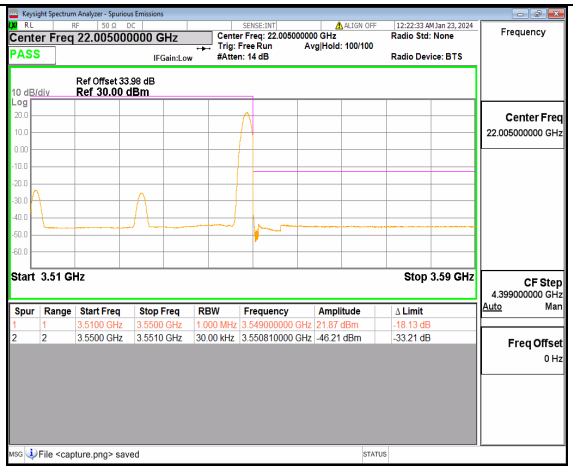
n77(3450-3550MHz) 40M DFT-s-OFDM QPSK Outer_Full Low



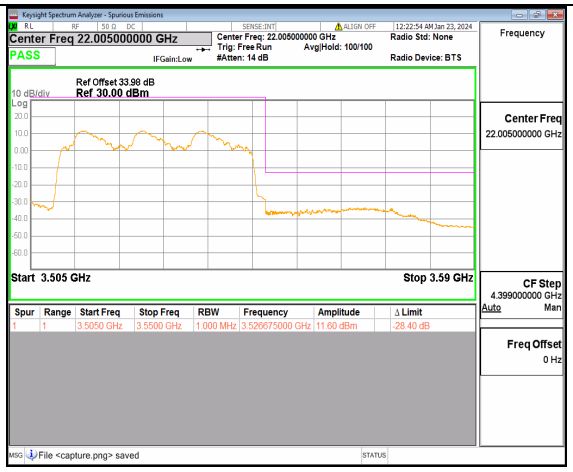
n77(3450-3550MHz) 40M DFT-s-OFDM QPSK Edge_1RB_Left Low



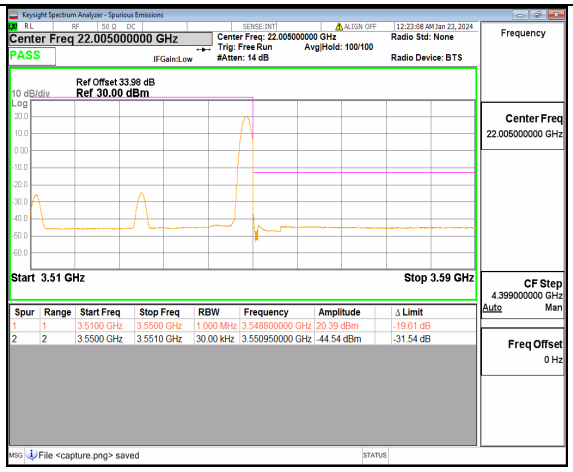
n77(3450-3550MHz) 40M DFT-s-OFDM BPSK Outer_Full High



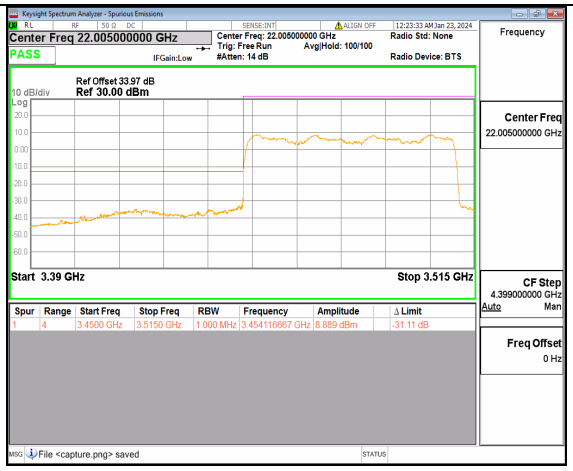
n77(3450-3550MHz) 40M DFT-s-OFDM BPSK Edge_1RB_Right High



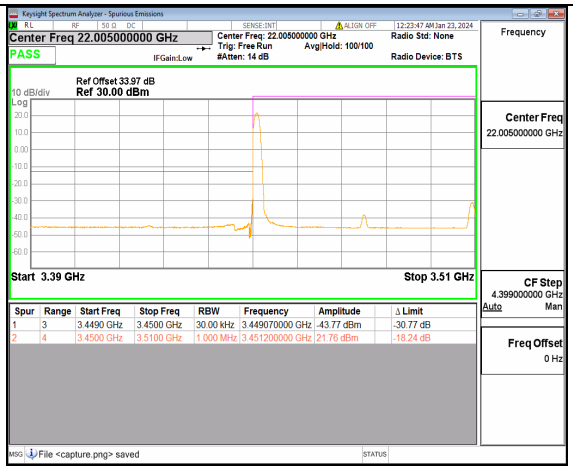
n77(3450-3550MHz) 40M DFT-s-OFDM QPSK Outer_Full High



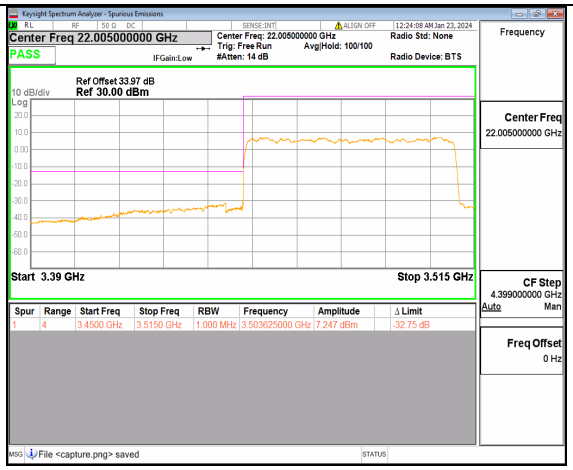
n77(3450-3550MHz) 40M DFT-s-OFDM QPSK Edge_1RB_Right High



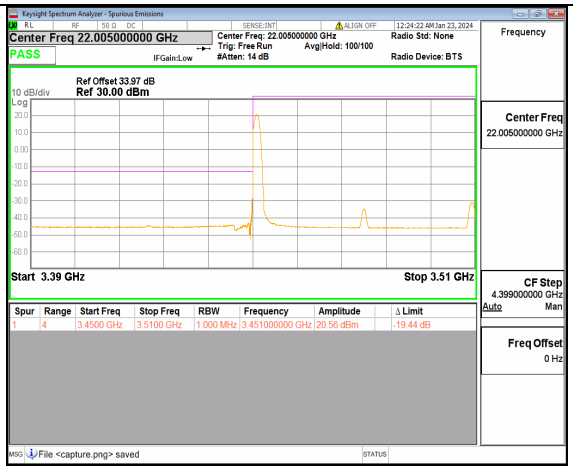
n77(3450-3550MHz) 60M DFT-s-OFDM BPSK Outer_Full Low



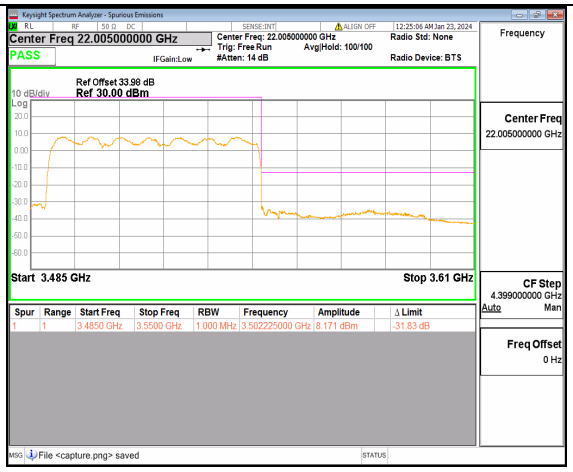
n77(3450-3550MHz) 60M DFT-s-OFDM BPSK Edge_1RB_Left Low



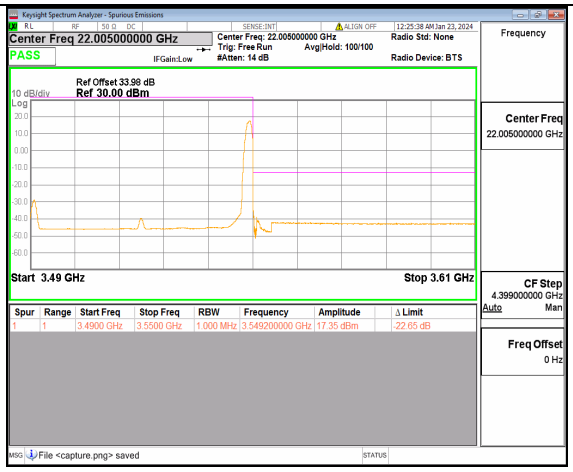
n77(3450-3550MHz) 60M DFT-s-OFDM QPSK Outer_Full Low



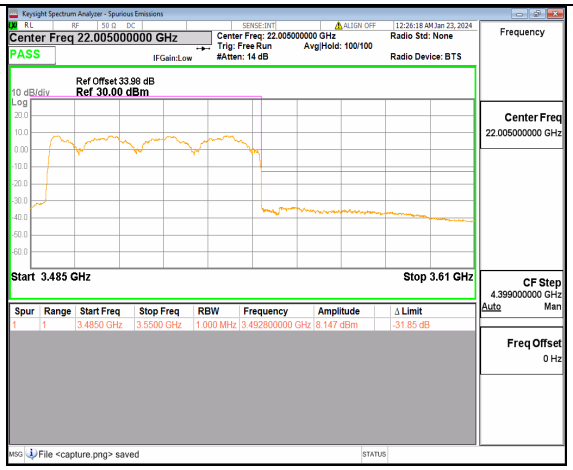
n77(3450-3550MHz) 60M DFT-s-OFDM QPSK Edge_1RB_Left Low



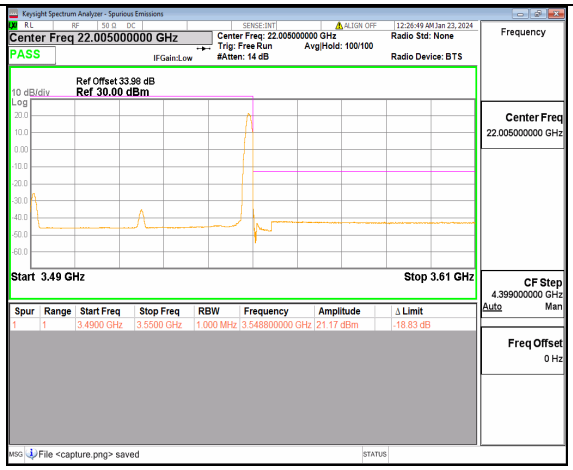
n77(3450-3550MHz) 60M DFT-s-OFDM BPSK Outer_Full High



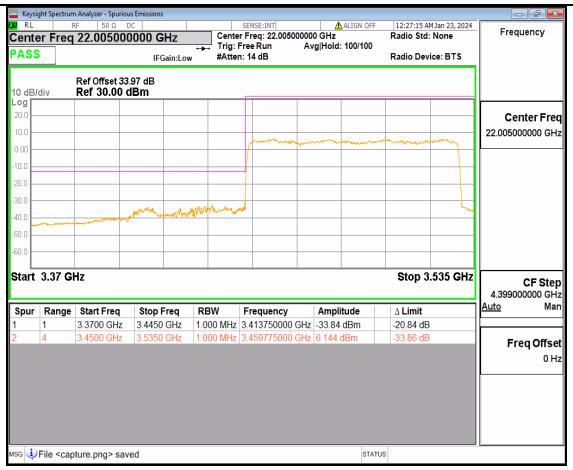
n77(3450-3550MHz) 60M DFT-s-OFDM BPSK Edge_1RB_Right High



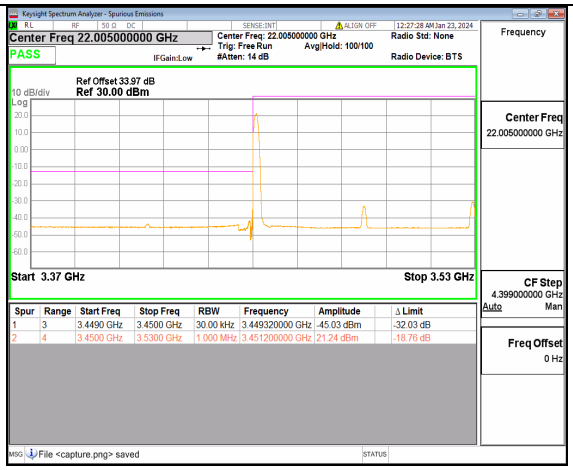
n77(3450-3550MHz) 60M DFT-s-OFDM QPSK Outer_Full High



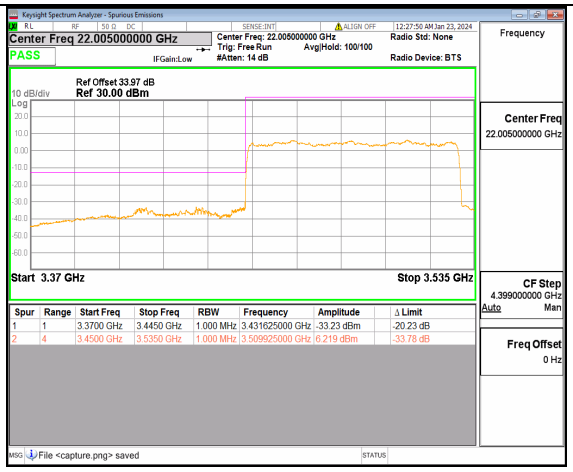
n77(3450-3550MHz) 60M DFT-s-OFDM QPSK Edge_1RB_Right High



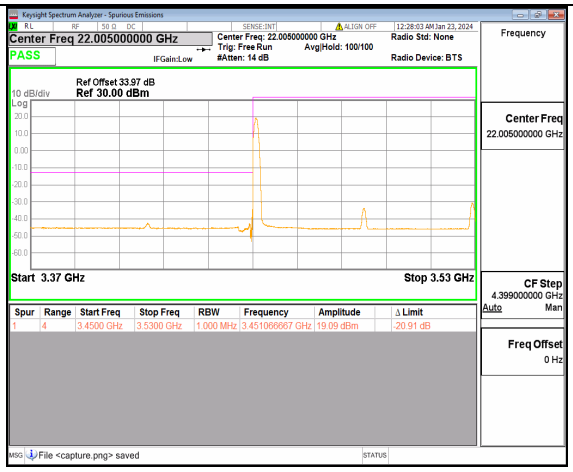
n77(3450-3550MHz) 80M DFT-s-OFDM BPSK Outer_Full Low



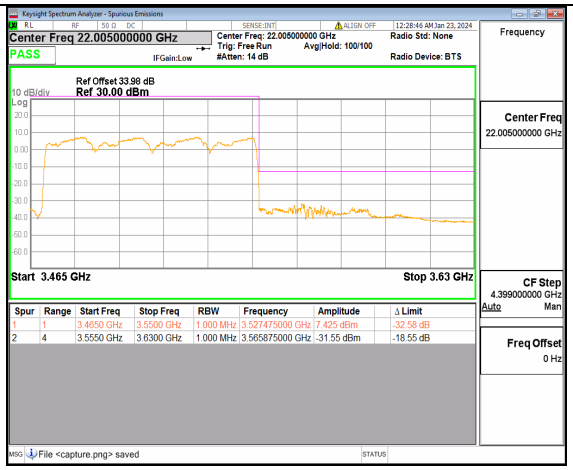
n77(3450-3550MHz) 80M DFT-s-OFDM BPSK Edge_1RB_Left Low



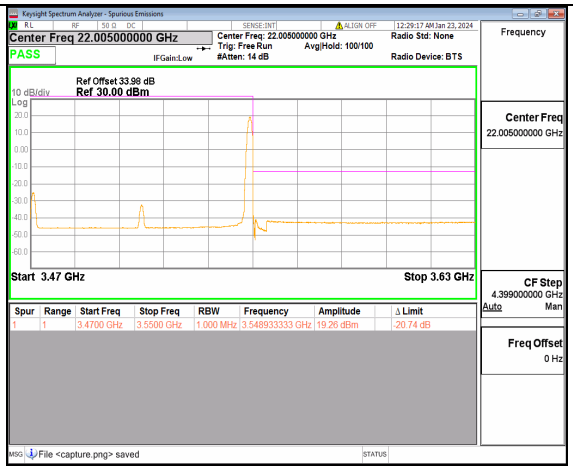
n77(3450-3550MHz) 80M DFT-s-OFDM QPSK Outer_Full Low



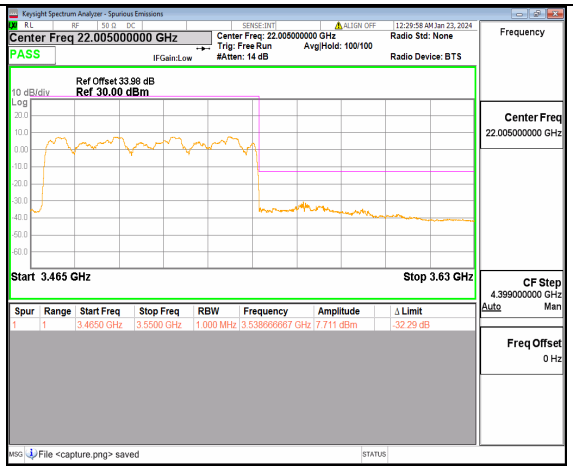
n77(3450-3550MHz) 80M DFT-s-OFDM QPSK Edge_1RB_Left Low



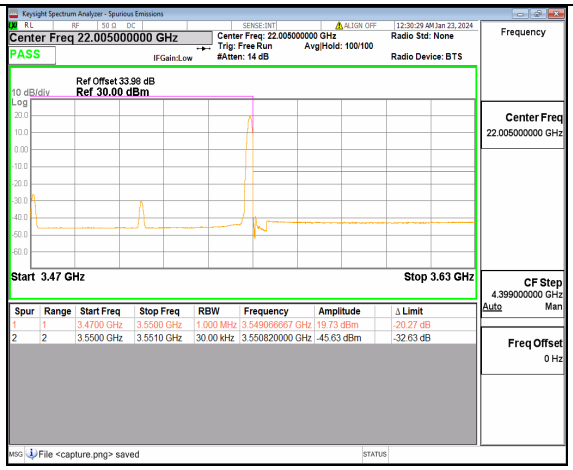
n77(3450-3550MHz) 80M DFT-s-OFDM BPSK Outer_Full High



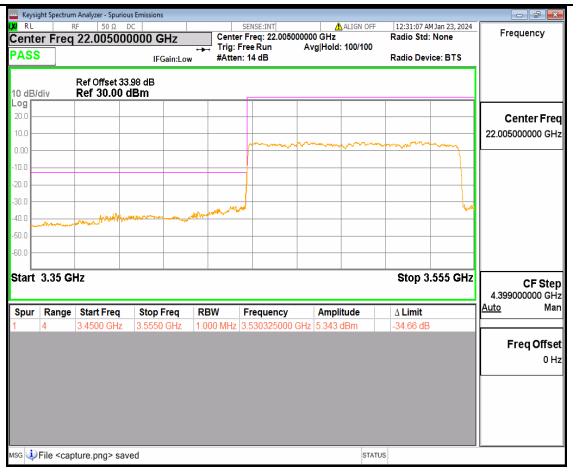
n77(3450-3550MHz) 80M DFT-s-OFDM BPSK Edge_1RB_Right High



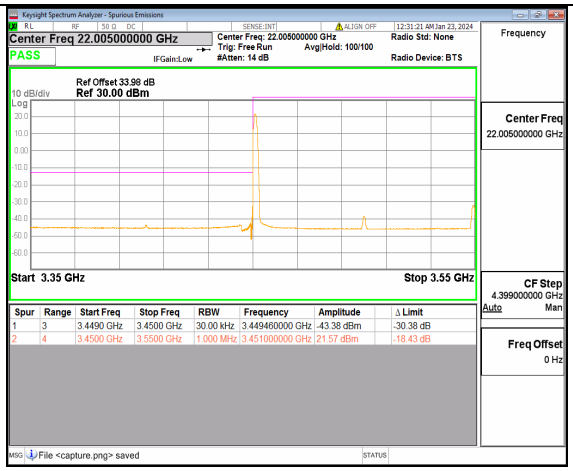
n77(3450-3550MHz) 80M DFT-s-OFDM QPSK Outer_Full High



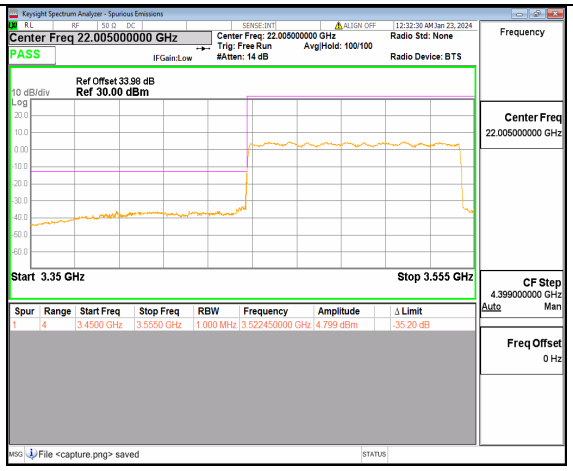
n77(3450-3550MHz) 80M DFT-s-OFDM QPSK Edge_1RB_Right High



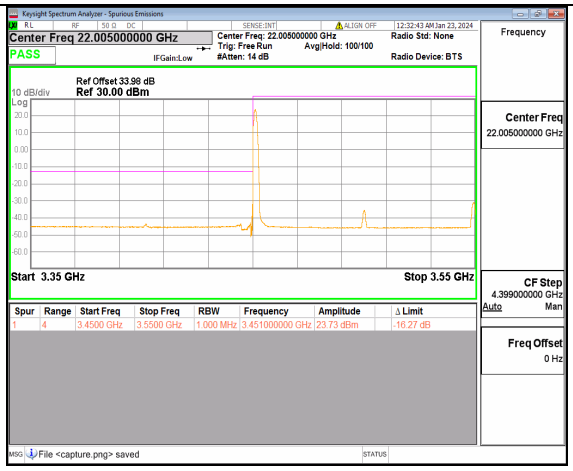
n77(3450-3550MHz) 100M DFT-s-OFDM BPSK Outer_Full Low



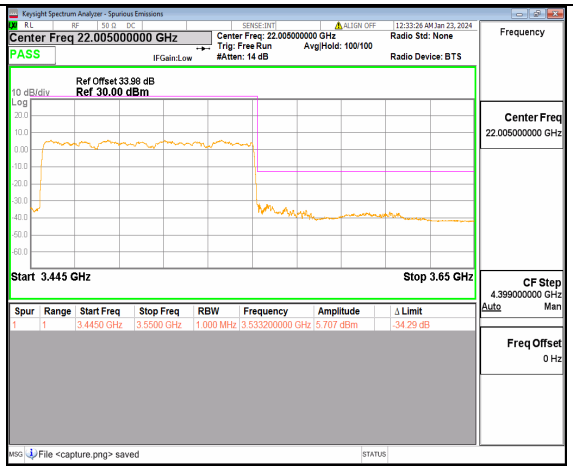
n77(3450-3550MHz) 100M DFT-s-OFDM BPSK Edge_1RB_Left Low



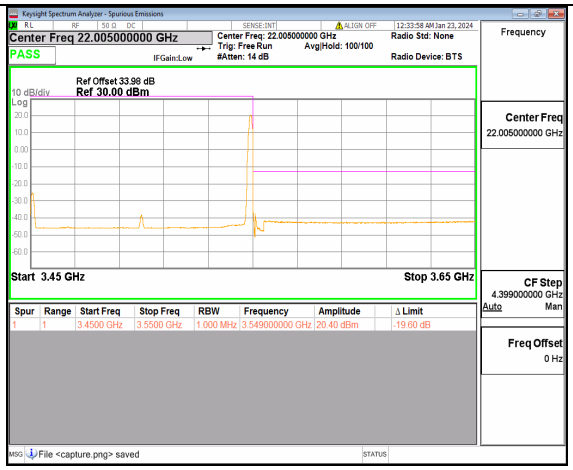
n77(3450-3550MHz) 100M DFT-s-OFDM QPSK Outer_Full Low



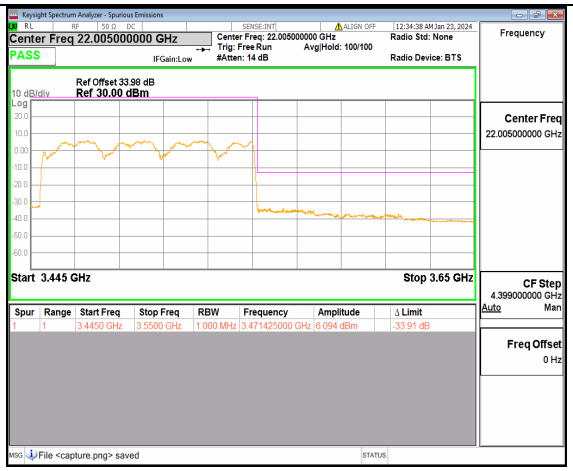
n77(3450-3550MHz) 100M DFT-s-OFDM QPSK Edge_1RB_Left Low



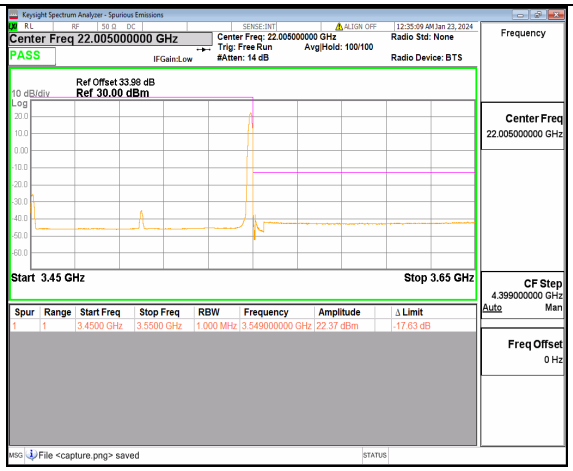
n77(3450-3550MHz) 100M DFT-s-OFDM BPSK Outer_Full High



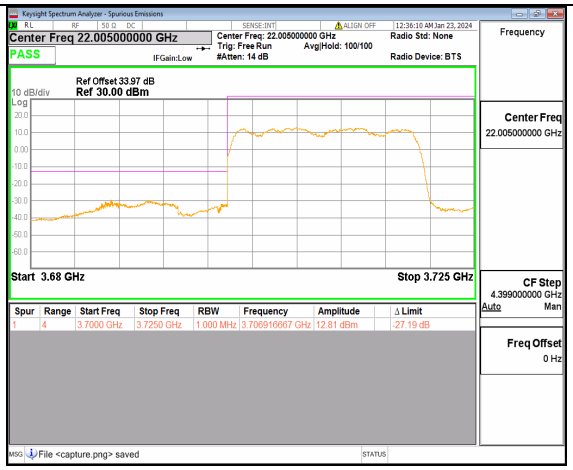
n77(3450-3550MHz) 100M DFT-s-OFDM BPSK Edge_1RB_Right High



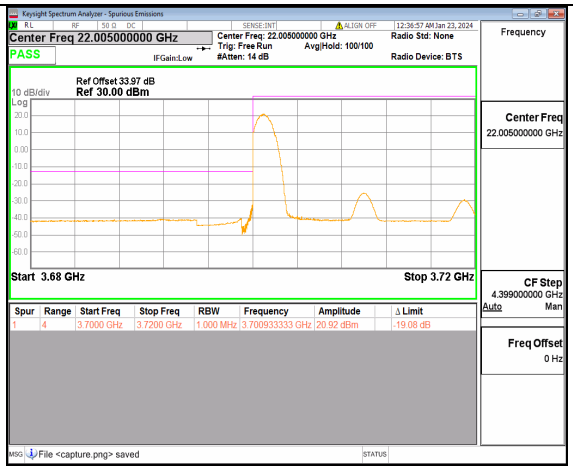
n77(3450-3550MHz) 100M DFT-s-OFDM QPSK Outer_Full High



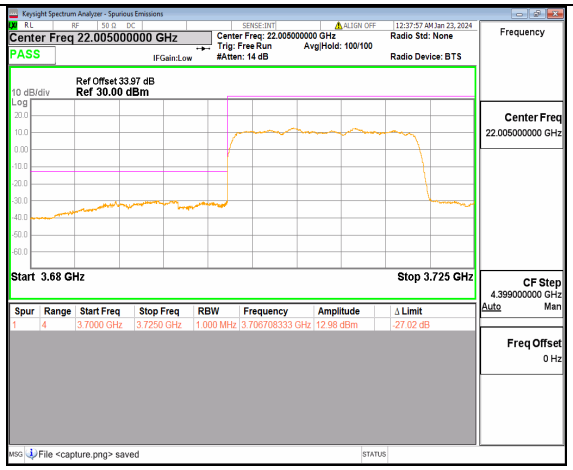
n77(3450-3550MHz) 100M DFT-s-OFDM QPSK Edge_1RB_Right High



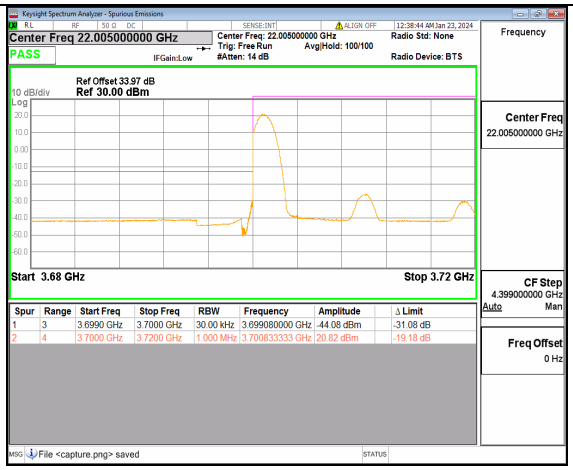
n77(3700-3980MHz) 20M DFT-s-OFDM BPSK Outer_Full Low



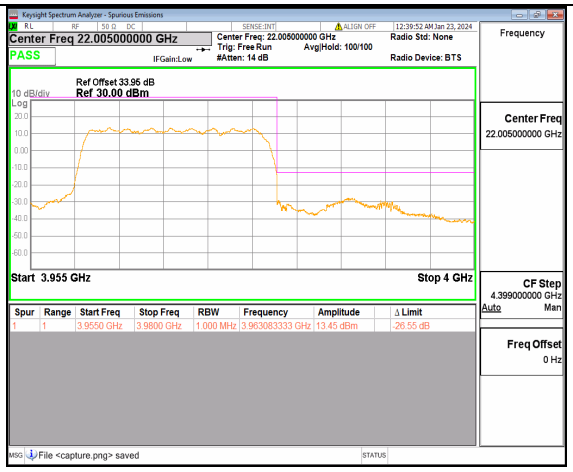
n77(3700-3980MHz) 20M DFT-s-OFDM BPSK Edge_1RB_Left Low



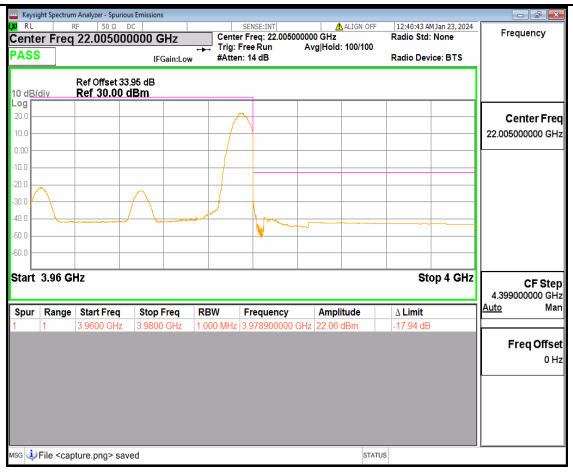
n77(3700-3980MHz) 20M DFT-s-OFDM QPSK Outer_Full Low



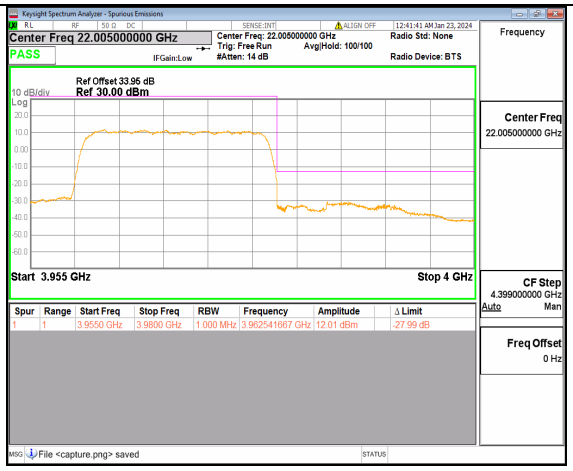
n77(3700-3980MHz) 20M DFT-s-OFDM QPSK Edge_1RB_Left Low



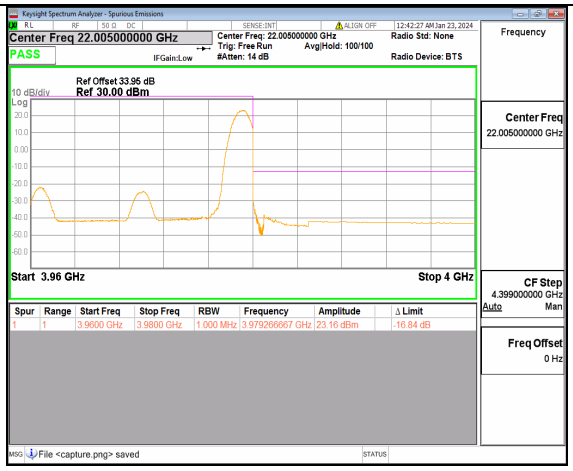
n77(3700-3980MHz) 20M DFT-s-OFDM BPSK Outer_Full High



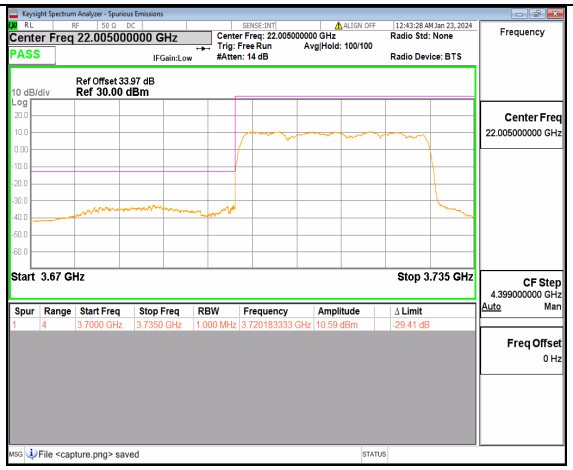
n77(3700-3980MHz) 20M DFT-s-OFDM BPSK Edge_1RB_Right High



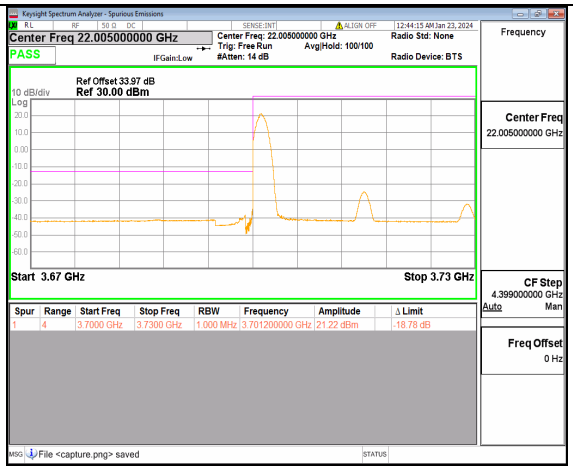
n77(3700-3980MHz) 20M DFT-s-OFDM QPSK Outer_Full High



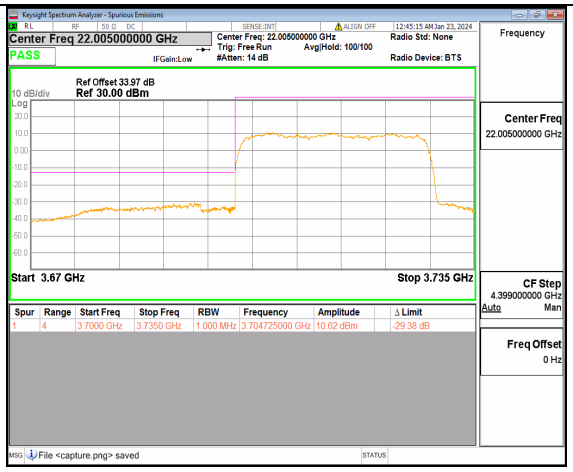
n77(3700-3980MHz) 20M DFT-s-OFDM QPSK Edge_1RB_Right High



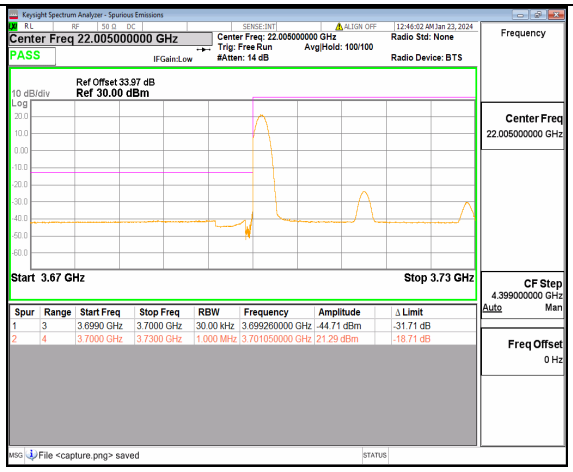
n77(3700-3980MHz) 30M DFT-s-OFDM BPSK Outer_Full Low



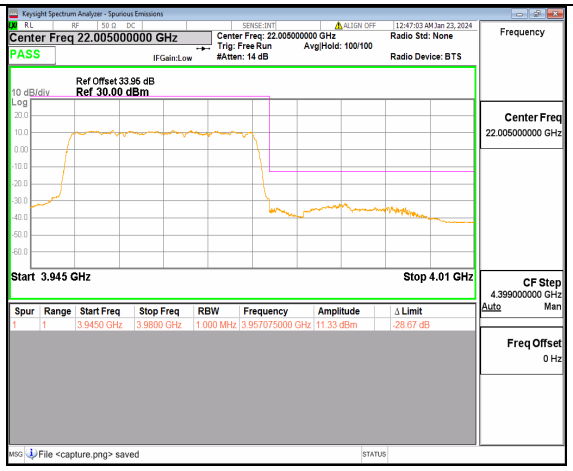
n77(3700-3980MHz) 30M DFT-s-OFDM BPSK Edge_1RB_Left Low



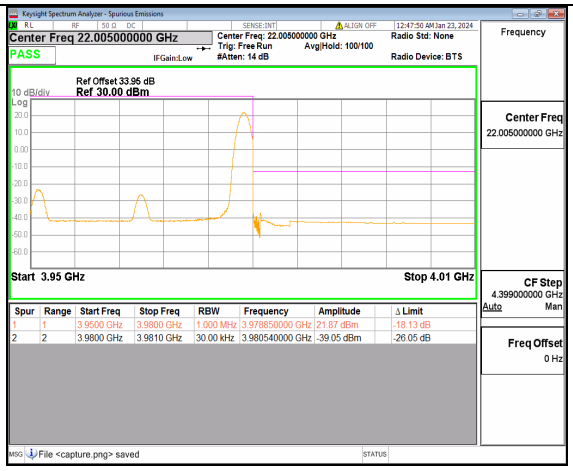
n77(3700-3980MHz) 30M DFT-s-OFDM QPSK Outer_Full Low



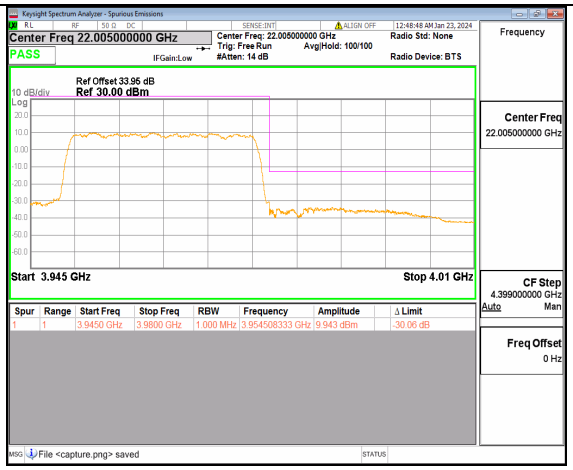
n77(3700-3980MHz) 30M DFT-s-OFDM QPSK Edge_1RB_Left Low



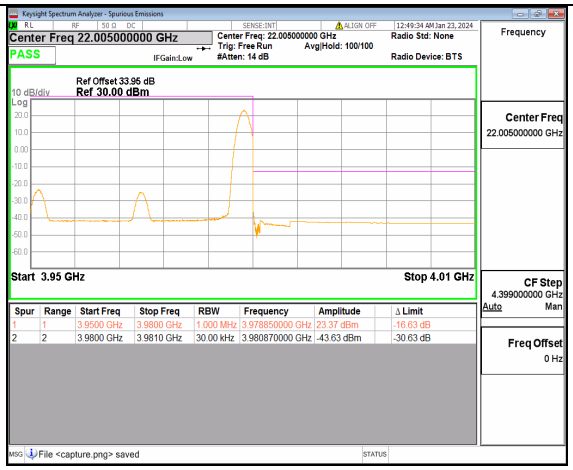
n77(3700-3980MHz) 30M DFT-s-OFDM BPSK Outer_Full High



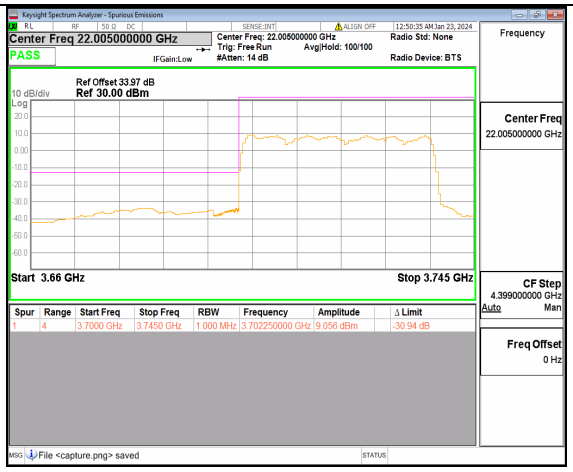
n77(3700-3980MHz) 30M DFT-s-OFDM BPSK Edge_1RB_Right High



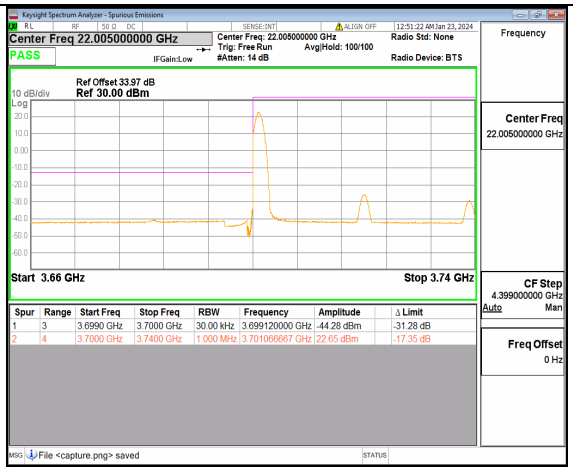
n77(3700-3980MHz) 30M DFT-s-OFDM QPSK Outer_Full High



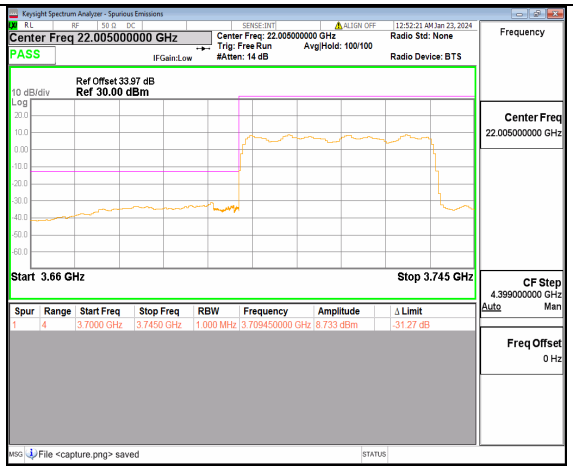
n77(3700-3980MHz) 30M DFT-s-OFDM QPSK Edge_1RB_Right High



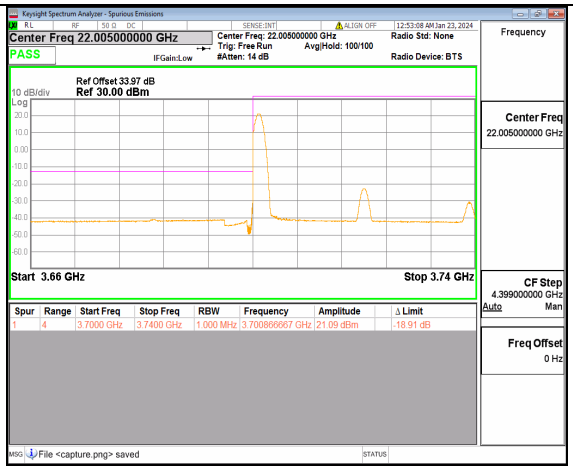
n77(3700-3980MHz) 40M DFT-s-OFDM BPSK Outer_Full Low



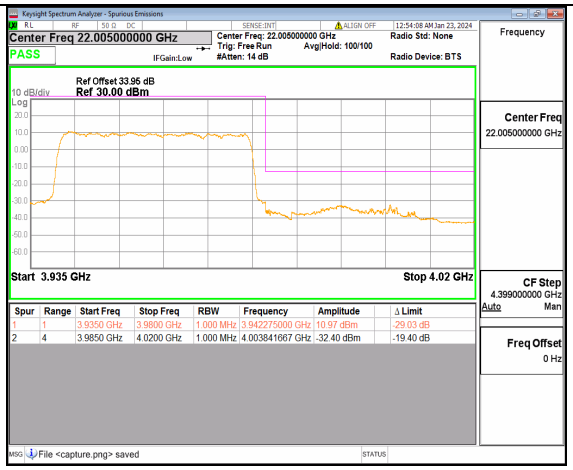
n77(3700-3980MHz) 40M DFT-s-OFDM BPSK Edge_1RB_Left Low



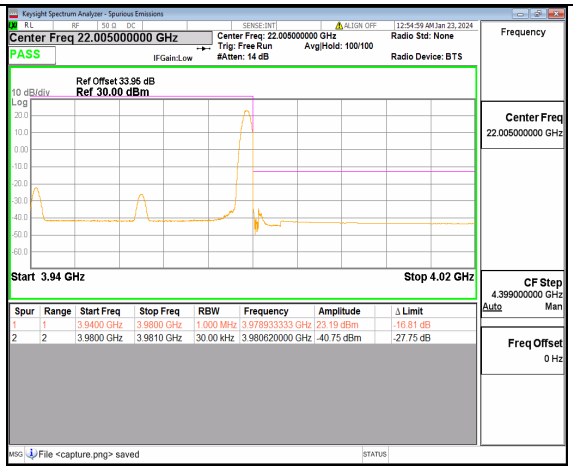
n77(3700-3980MHz) 40M DFT-s-OFDM QPSK Outer_Full Low



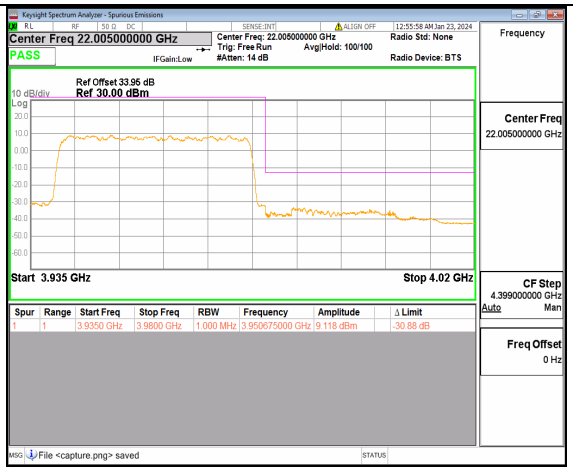
n77(3700-3980MHz) 40M DFT-s-OFDM QPSK Edge_1RB_Left Low



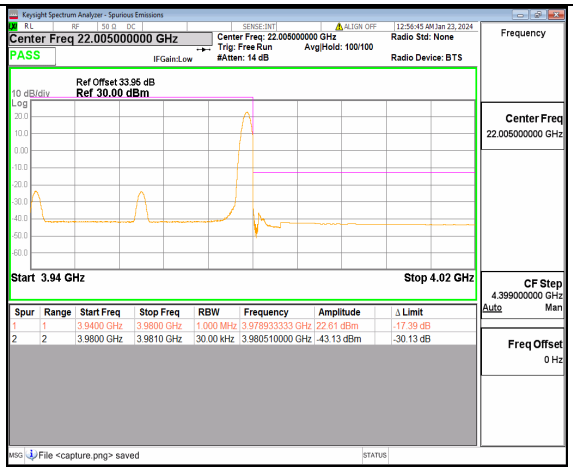
n77(3700-3980MHz) 40M DFT-s-OFDM BPSK Outer_Full High



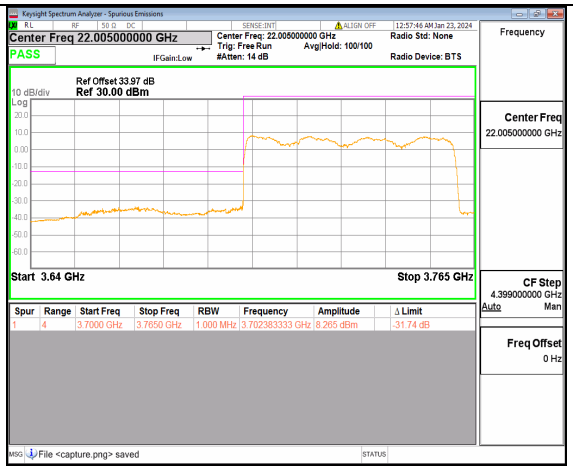
n77(3700-3980MHz) 40M DFT-s-OFDM BPSK Edge_1RB_Right High



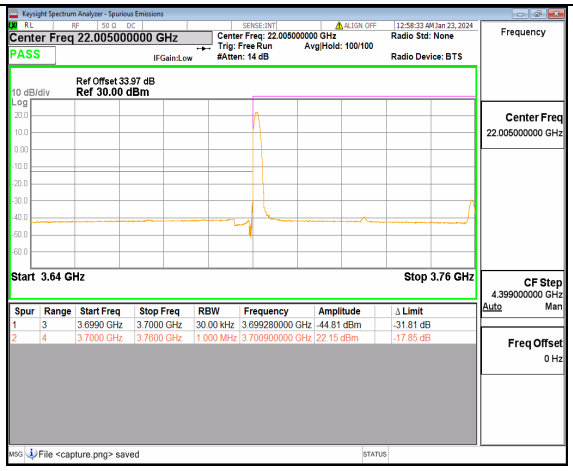
n77(3700-3980MHz) 40M DFT-s-OFDM QPSK Outer_Full High



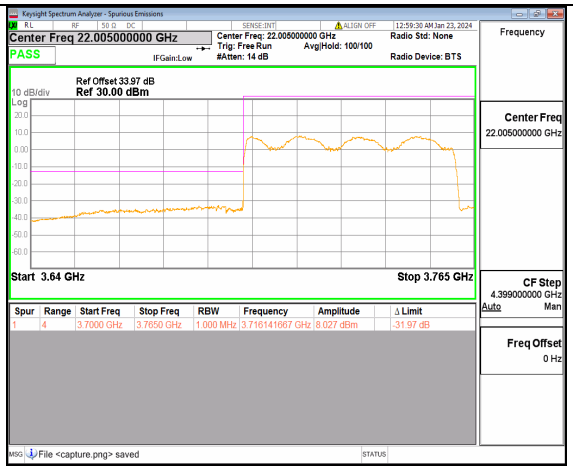
n77(3700-3980MHz) 40M DFT-s-OFDM QPSK Edge_1RB_Right High



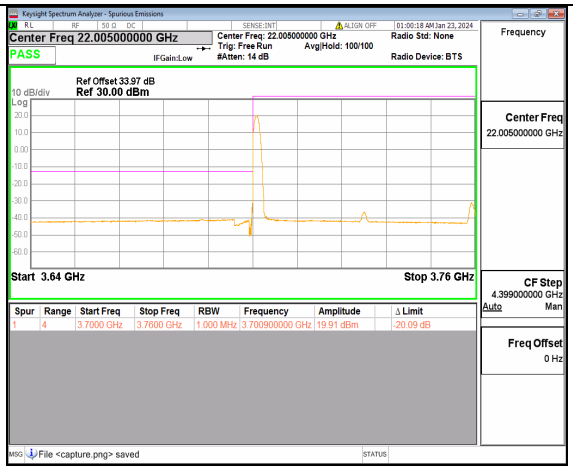
n77(3700-3980MHz) 60M DFT-s-OFDM BPSK Outer_Full Low



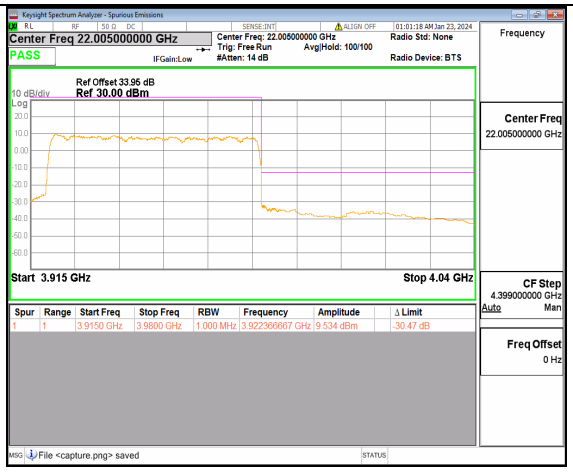
n77(3700-3980MHz) 60M DFT-s-OFDM BPSK Edge_1RB_Left Low



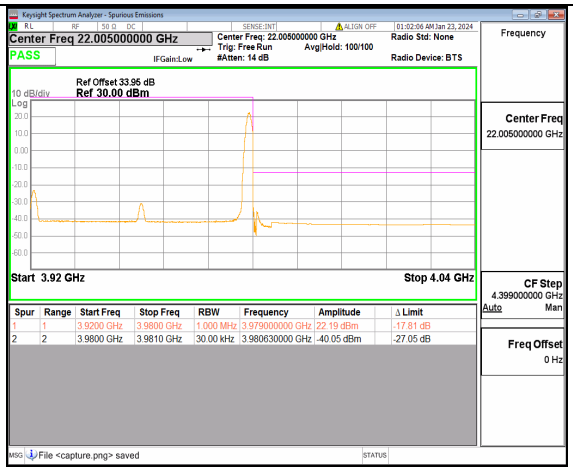
n77(3700-3980MHz) 60M DFT-s-OFDM QPSK Outer_Full Low



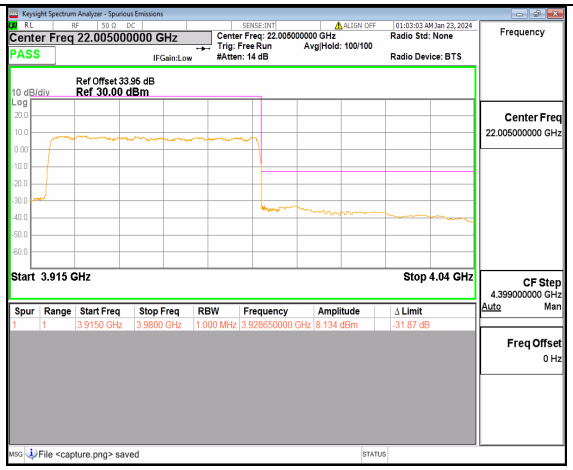
n77(3700-3980MHz) 60M DFT-s-OFDM QPSK Edge_1RB_Left Low



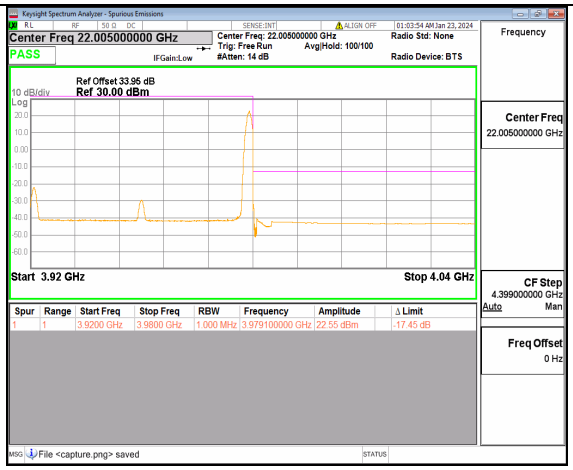
n77(3700-3980MHz) 60M DFT-s-OFDM BPSK Outer_Full High



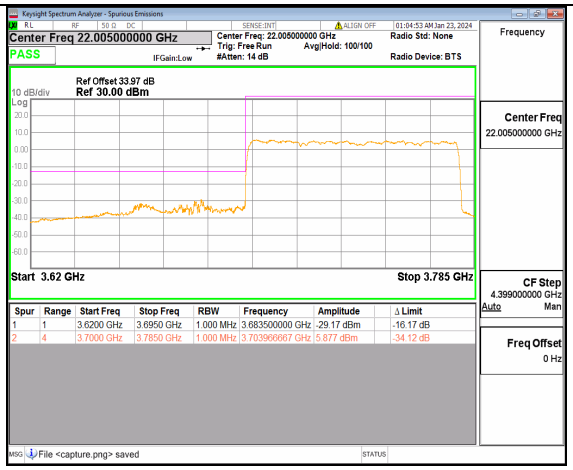
n77(3700-3980MHz) 60M DFT-s-OFDM BPSK Edge_1RB_Right High



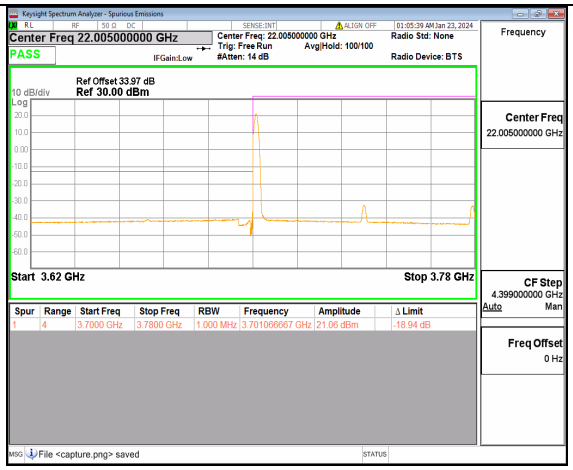
n77(3700-3980MHz) 60M DFT-s-OFDM QPSK Outer_Full High



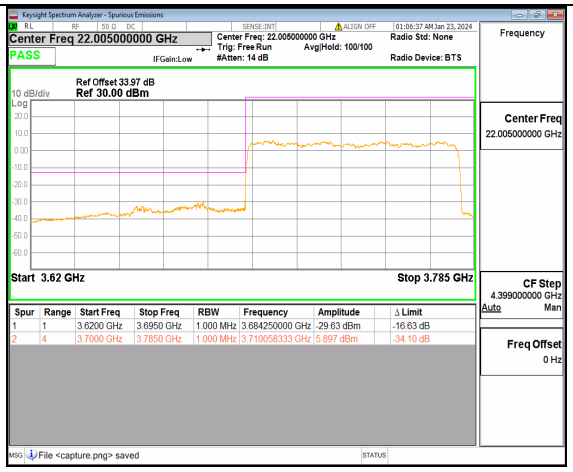
n77(3700-3980MHz) 60M DFT-s-OFDM QPSK Edge_1RB_Right High



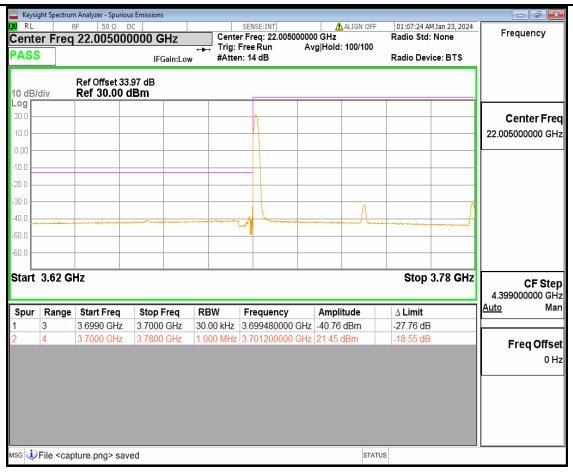
n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Outer_Full Low



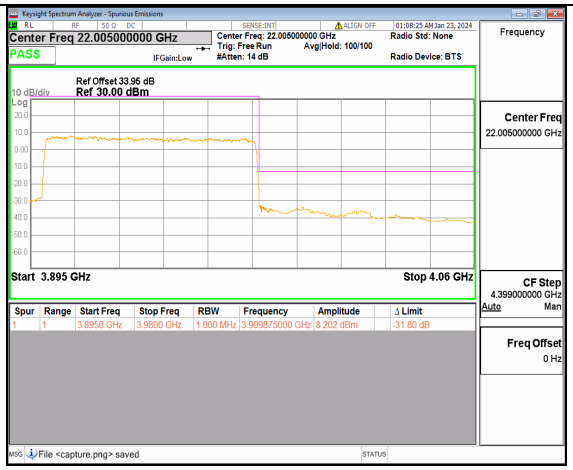
n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Edge_1RB_Left Low



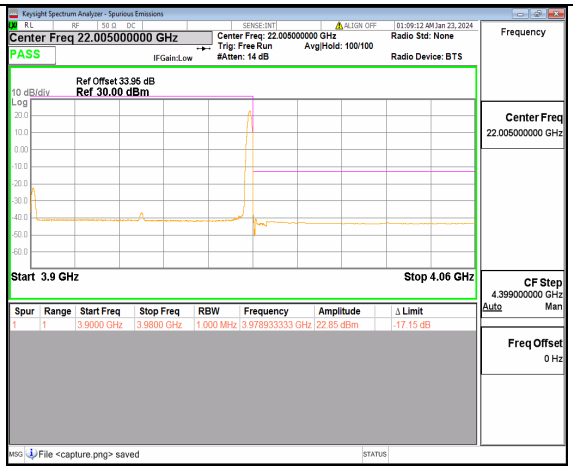
n77(3700-3980MHz) 80M DFT-s-OFDM QPSK Outer_Full Low



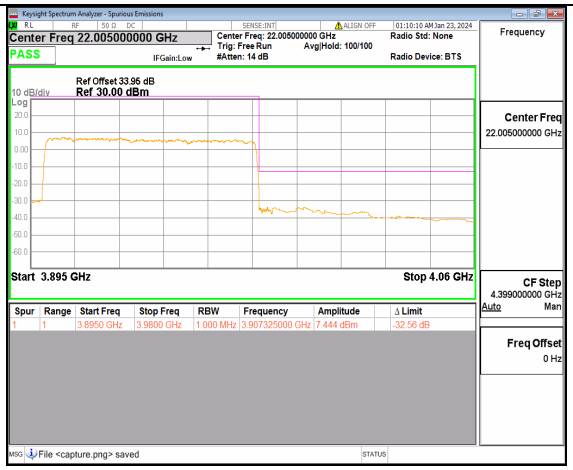
n77(3700-3980MHz) 80M DFT-s-OFDM QPSK Edge_1RB_Left Low



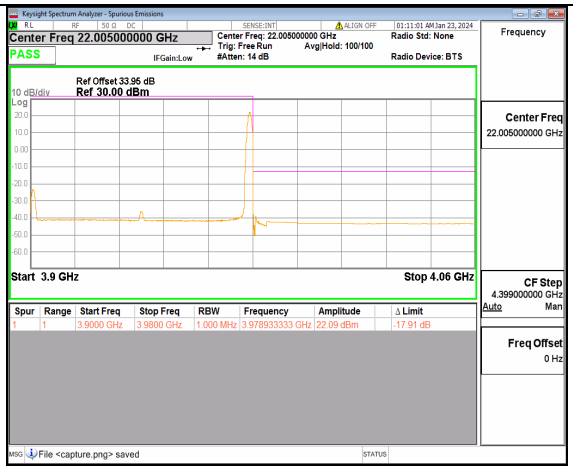
n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Outer_Full High



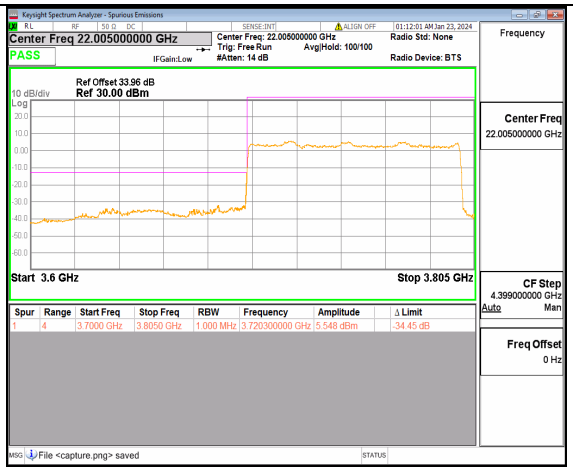
n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Edge_1RB_Right High



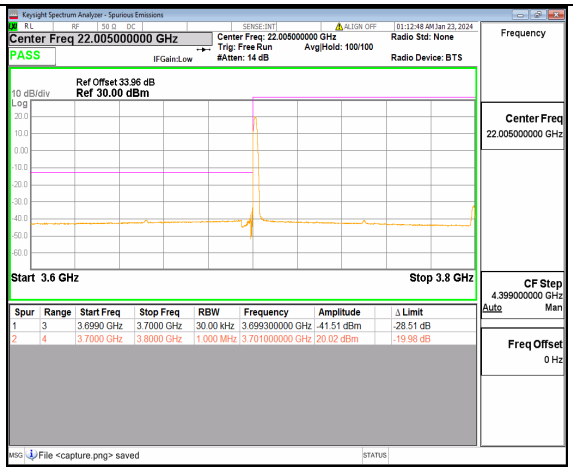
n77(3700-3980MHz) 80M DFT-s-OFDM QPSK Outer_Full High



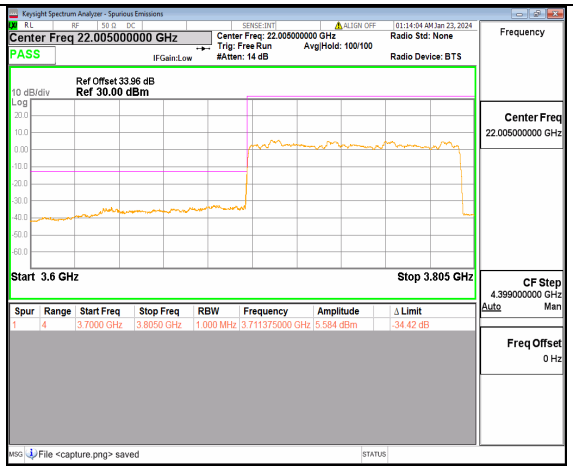
n77(3700-3980MHz) 80M DFT-s-OFDM QPSK Edge_1RB_Right High



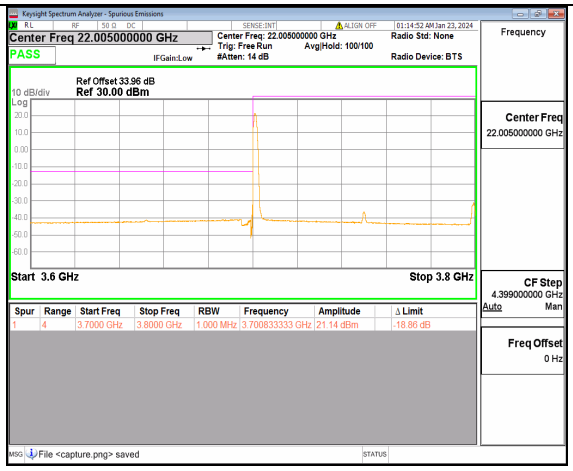
n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer_Full Low



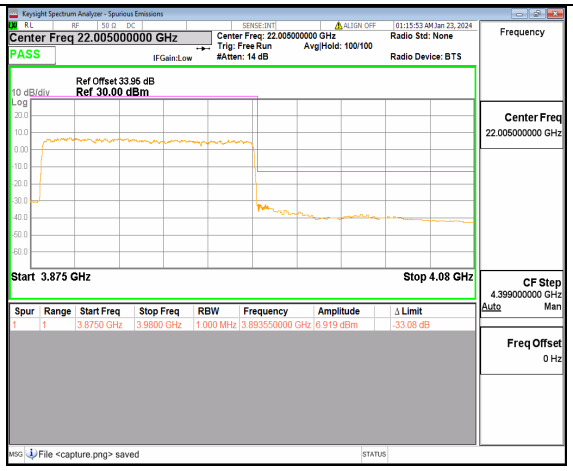
n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Edge_1RB_Left Low



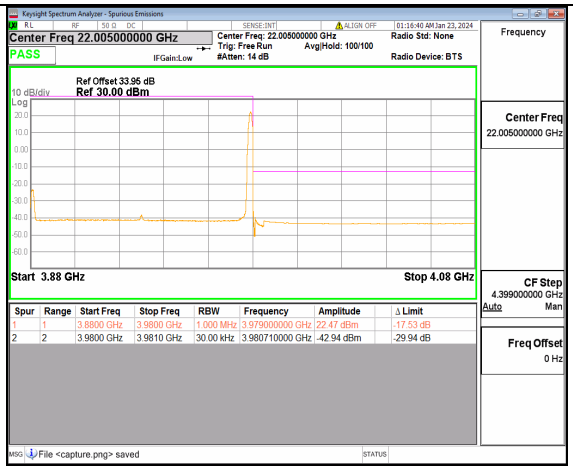
n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Outer_Full Low



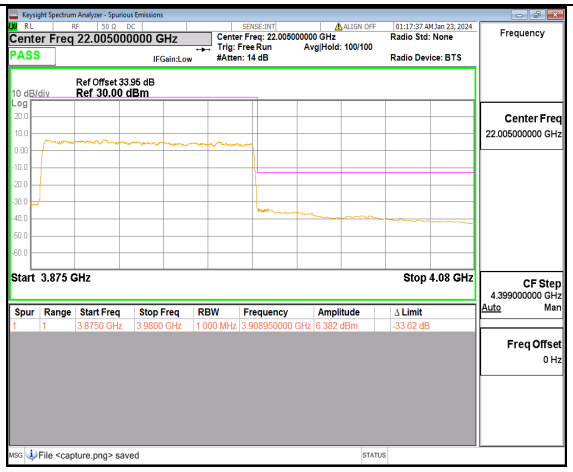
n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Edge_1RB_Left Low



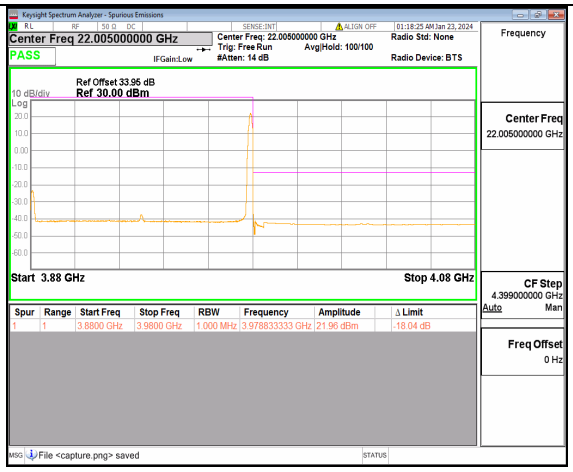
n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer_Full High



n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Edge_1RB_Right High



n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Outer_Full High



n77(3700-3980MHz) 100M DFT-s-OFDM QPSK Edge_1RB_Right High

2.7. Radiated Spurious Emissions

2.7.1.Requirement

According to FCC section 2.1051, section 22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

According to FCC section 24.238(a) for n2, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

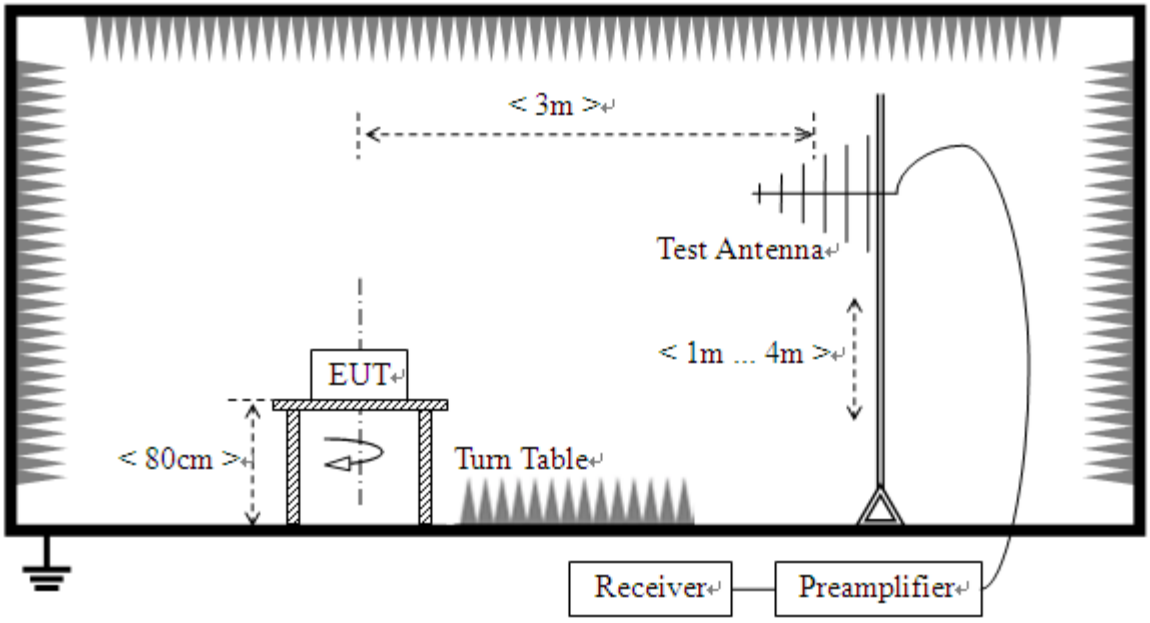
Additional to FCC section 22.917(a) for n5, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. This calculated to be -13dBm.

According to FCC section 27.53(h) for n66, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB.

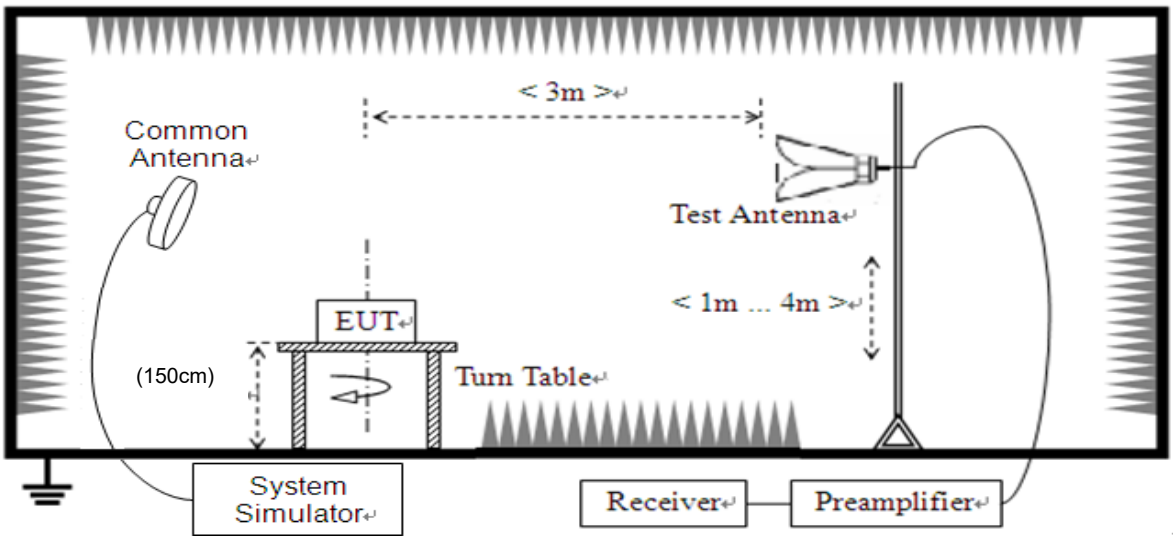
According to FCC section 27.53(l)(2) for n77, for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

According to FCC section 27.53(n)(2) for n77, for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

2.7.2.Test Description



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)

The EUTis located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360°to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

Note: When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.7.3.Test procedure

KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

2.7.4.Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The substitution corrections are obtained as described below:

$A_{SUBST} = P_{SUBST_TX} - P_{SUBST_RX} - L_{SUBST_CABLES} + G_{SUBST_TX_ANT}$

$A_{TOT} = L_{CABLES} + A_{SUBST}$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

P_{SUBST_TX} is signal generator level,

P_{SUBST_RX} is receiver level,

L_{SUBST_CABLES} is cable losses including TX cable,

$G_{SUBST_TX_ANT}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

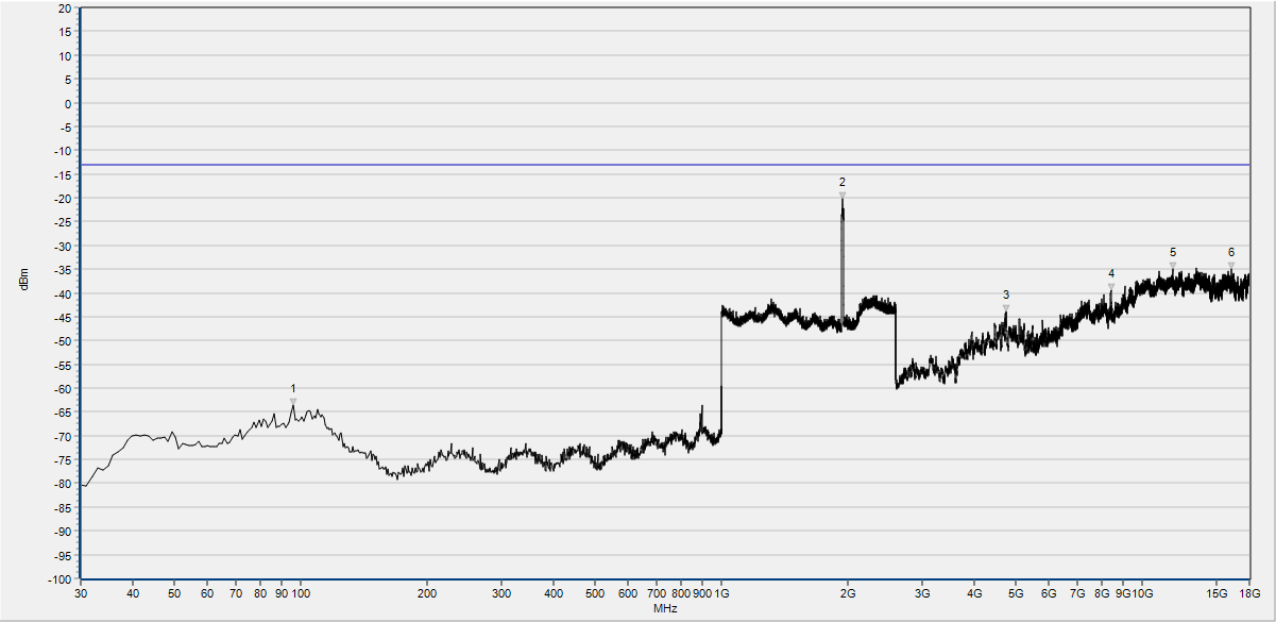
During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT}.

Note1: The power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst

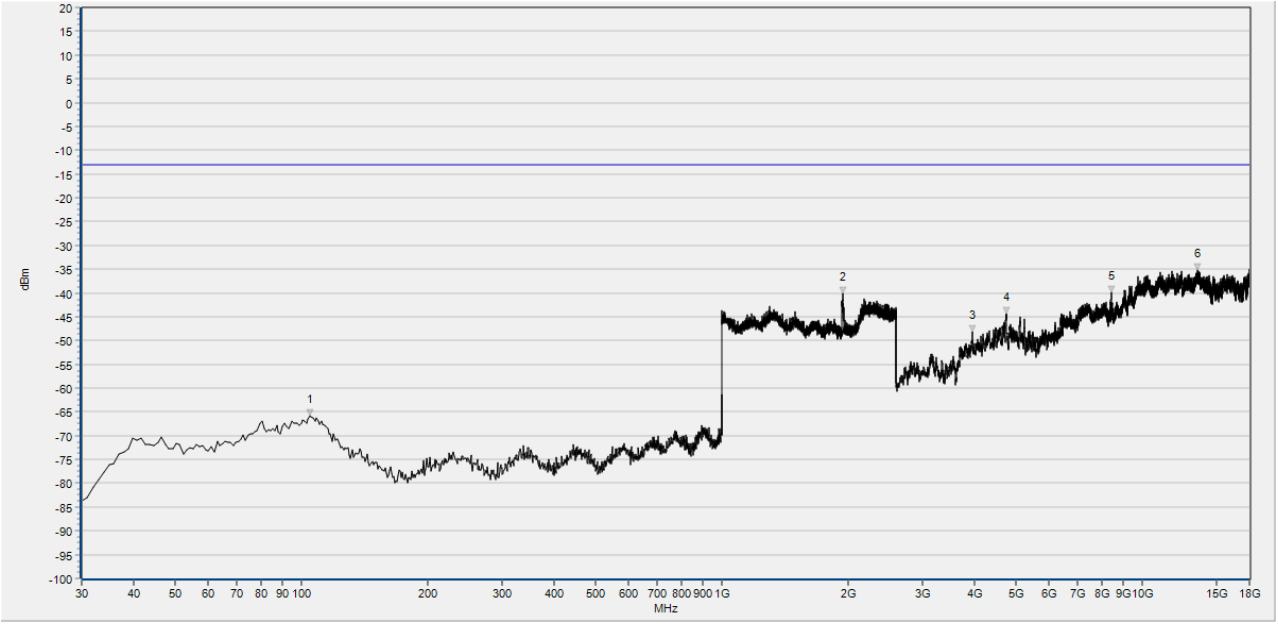
axis test condition was recorded in this test report.

Note3: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band; only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.



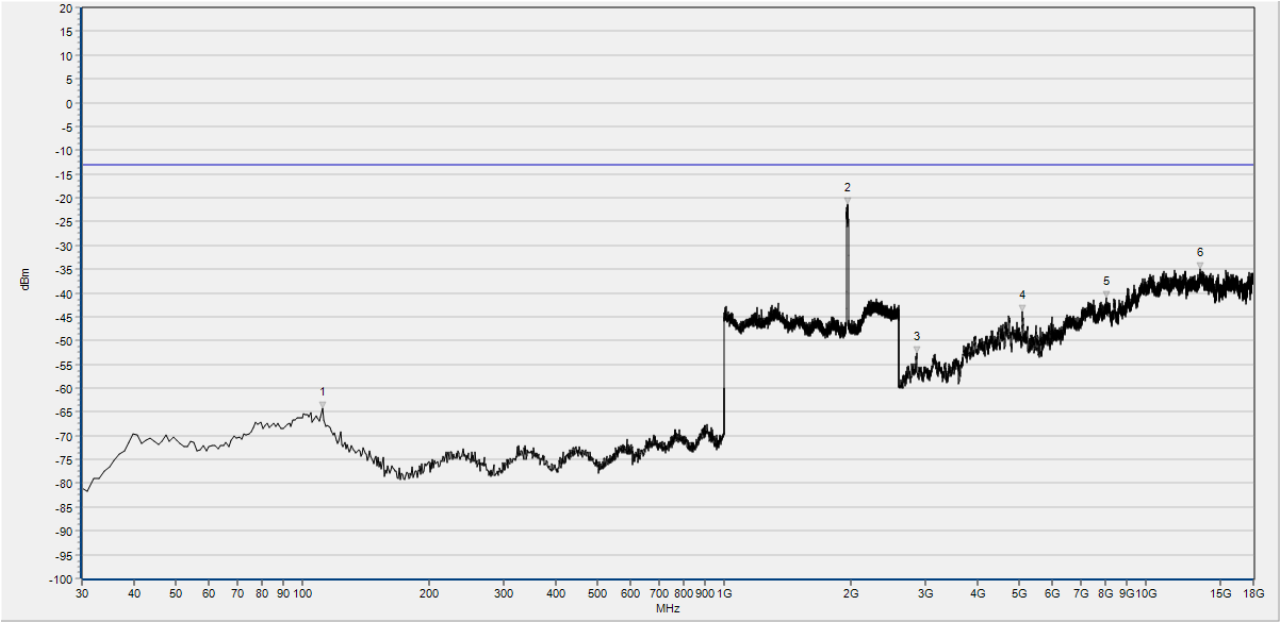
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	95.960	-63.58	-13.00	0.0	H	PASS
2	1940.536	-20.22	-13.00	300.2	H	N/A
3	4747.991	-43.83	-13.00	113.4	H	PASS
4	8427.860	-39.54	-13.00	357.9	H	PASS
5	11808.074	-35.01	-13.00	43.2	H	PASS
6	16297.290	-34.91	-13.00	25.9	H	PASS

N2 372000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



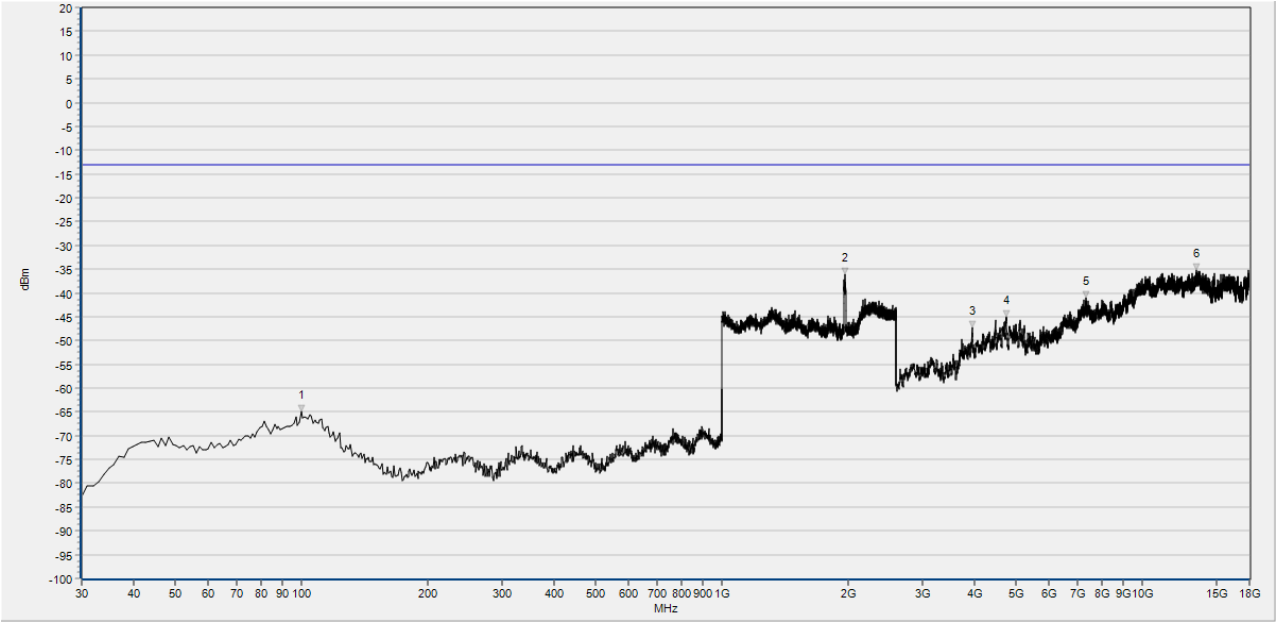
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	104.690	-65.89	-13.00	153.3	V	PASS
2	1937.975	-40.05	-13.00	280.5	V	N/A
3	3944.244	-48.26	-13.00	52.3	V	PASS
4	4747.991	-44.28	-13.00	79.5	V	PASS
5	8430.660	-39.88	-13.00	193.9	V	PASS
6	13552.791	-35.13	-13.00	123.5	V	PASS

N2 372000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



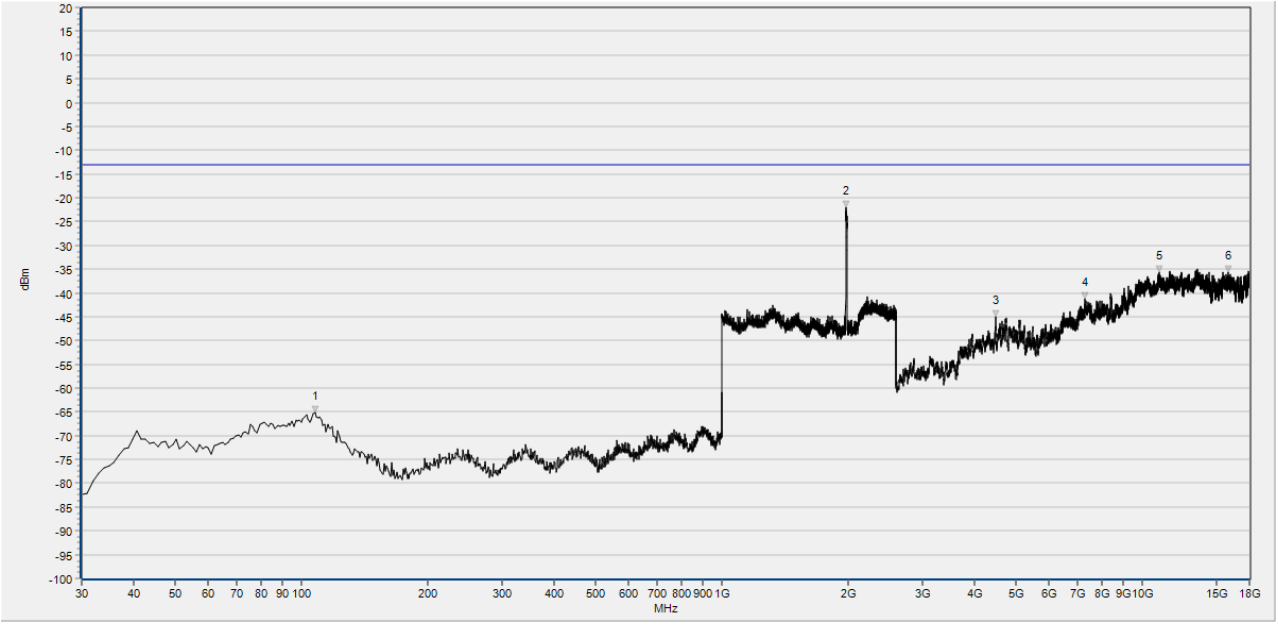
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	111.480	-64.36	-13.00	0.0	H	PASS
2	1959.744	-21.29	-13.00	0.0	H	N/A
3	2860.447	-52.56	-13.00	107.7	H	PASS
4	5106.456	-43.81	-13.00	143.0	H	PASS
5	8044.190	-40.95	-13.00	276.9	H	PASS
6	13493.981	-35.06	-13.00	294.4	H	PASS

N2 376000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



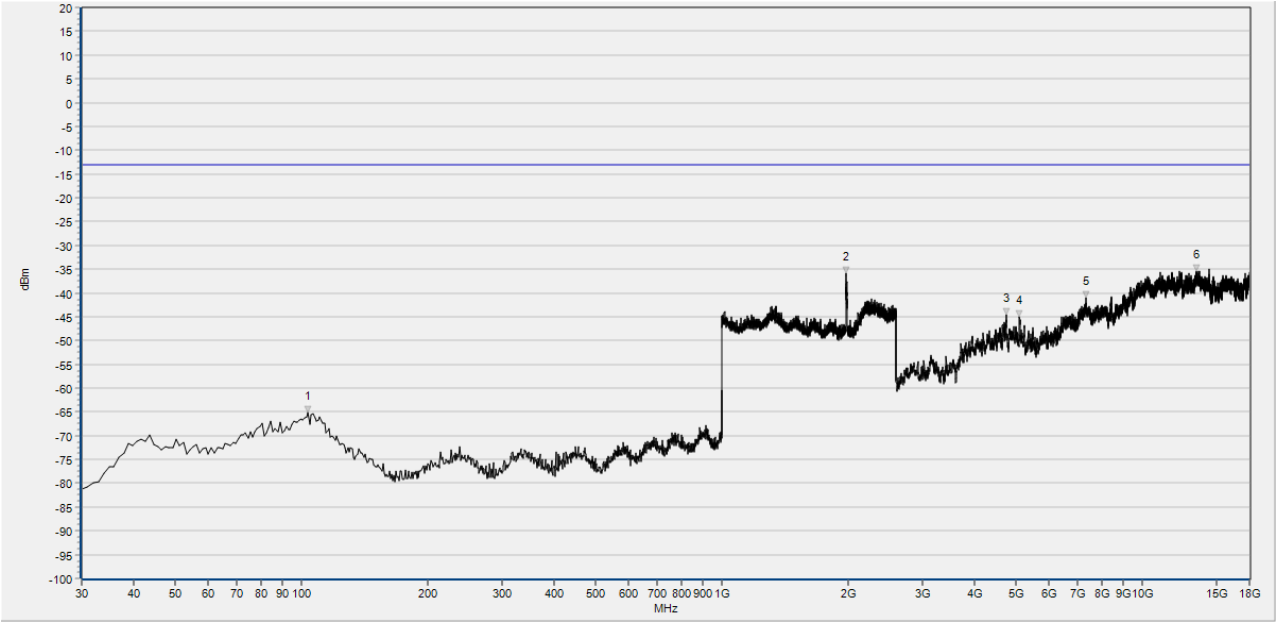
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	99.840	-64.83	-13.00	0.0	V	PASS
2	1960.384	-36.10	-13.00	0.0	V	N/A
3	3935.843	-47.26	-13.00	210.0	V	PASS
4	4747.991	-45.14	-13.00	17.5	V	PASS
5	7338.462	-41.08	-13.00	166.5	V	PASS
6	13482.779	-35.19	-13.00	262.9	V	PASS

N2 376000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



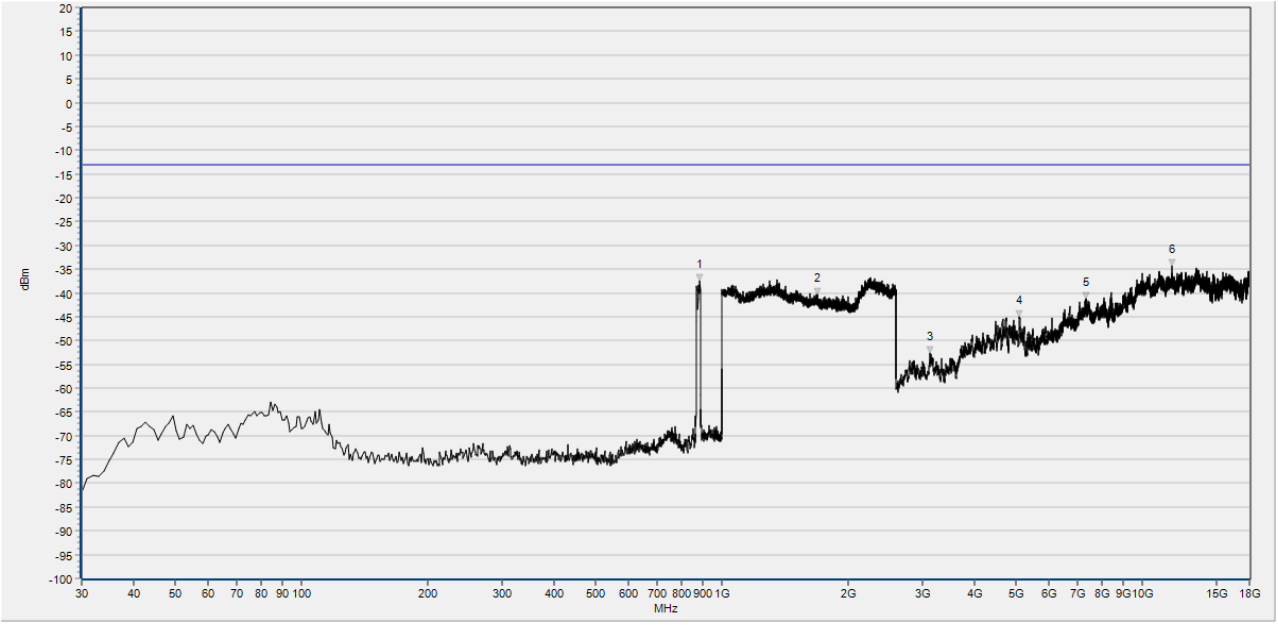
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	107.600	-65.16	-13.00	360.0	H	PASS
2	1971.269	-22.08	-13.00	360.0	H	N/A
3	4476.341	-45.10	-13.00	167.8	H	PASS
4	7307.656	-41.16	-13.00	263.4	H	PASS
5	10948.318	-35.57	-13.00	94.1	H	PASS
6	15994.835	-35.59	-13.00	58.1	H	PASS

N2 380000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



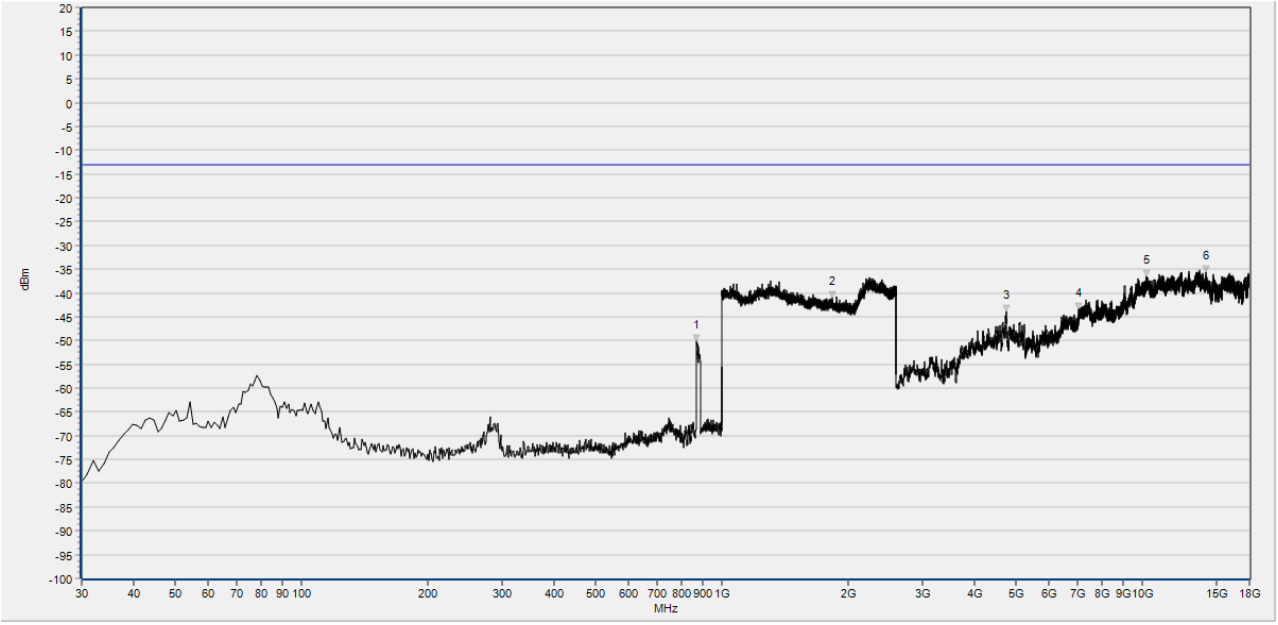
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	103.720	-65.15	-13.00	360.0	V	PASS
2	1971.909	-35.88	-13.00	360.0	V	N/A
3	4745.190	-44.57	-13.00	45.2	V	PASS
4	5109.256	-44.97	-13.00	106.0	V	PASS
5	7346.863	-41.04	-13.00	158.3	V	PASS
6	13471.577	-35.44	-13.00	235.9	V	PASS

N2 380000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



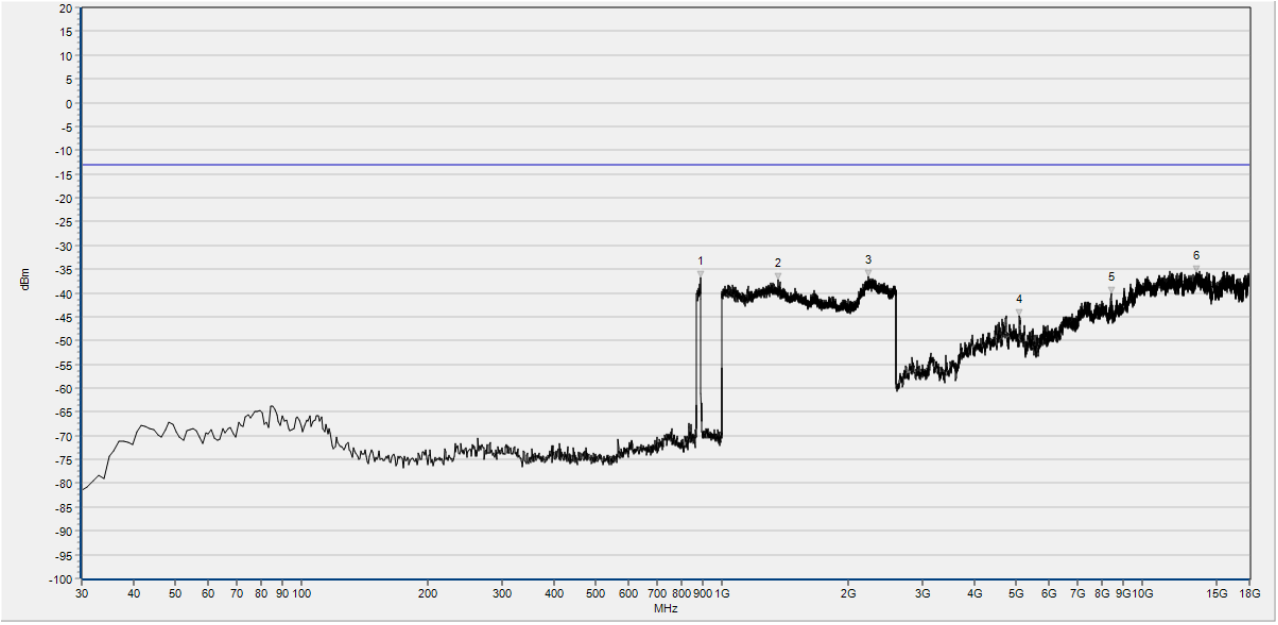
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	887.480	-37.36	-13.00	0.0	H	N/A
2	1685.714	-40.41	-13.00	281.8	H	PASS
3	3132.097	-52.69	-13.00	70.9	H	PASS
4	5106.456	-44.94	-13.00	279.5	H	PASS
5	7338.462	-41.15	-13.00	8.9	H	PASS
6	11754.865	-34.23	-13.00	279.5	H	PASS

N5 166800 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



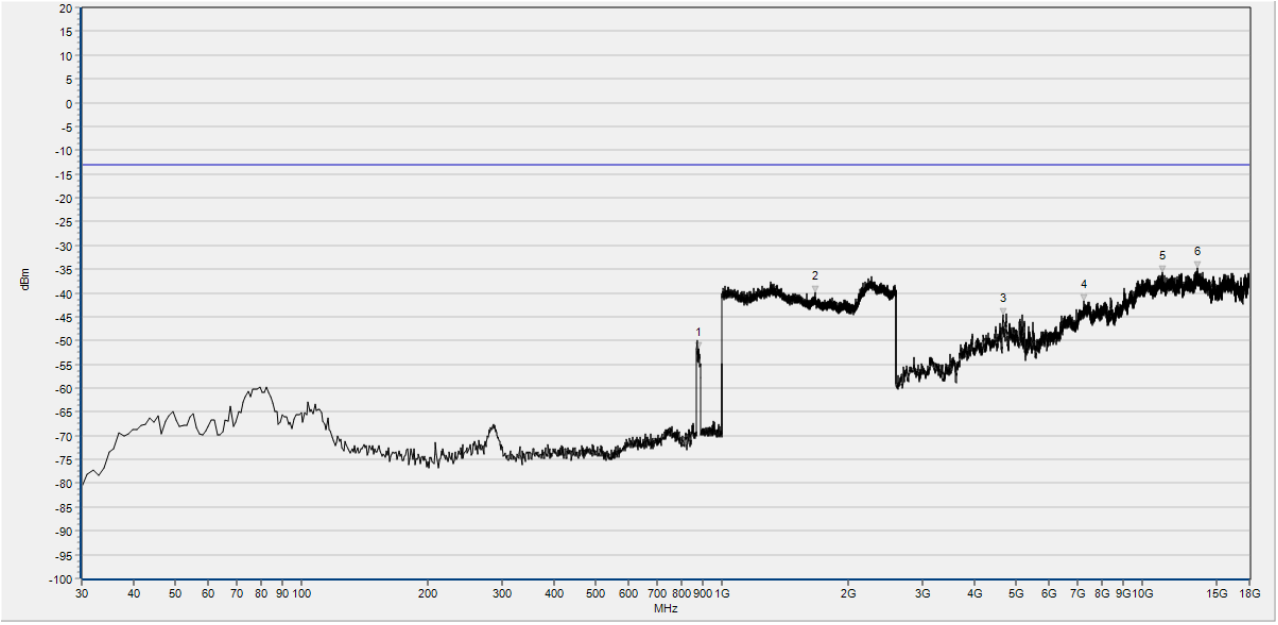
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	870.990	-50.22	-13.00	0.0	V	N/A
2	1835.534	-40.90	-13.00	205.9	V	PASS
3	4745.190	-43.96	-13.00	316.0	V	PASS
4	7075.214	-43.51	-13.00	151.7	V	PASS
5	10239.789	-36.50	-13.00	324.7	V	PASS
6	14191.308	-35.54	-13.00	134.4	V	PASS

N5 166800 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



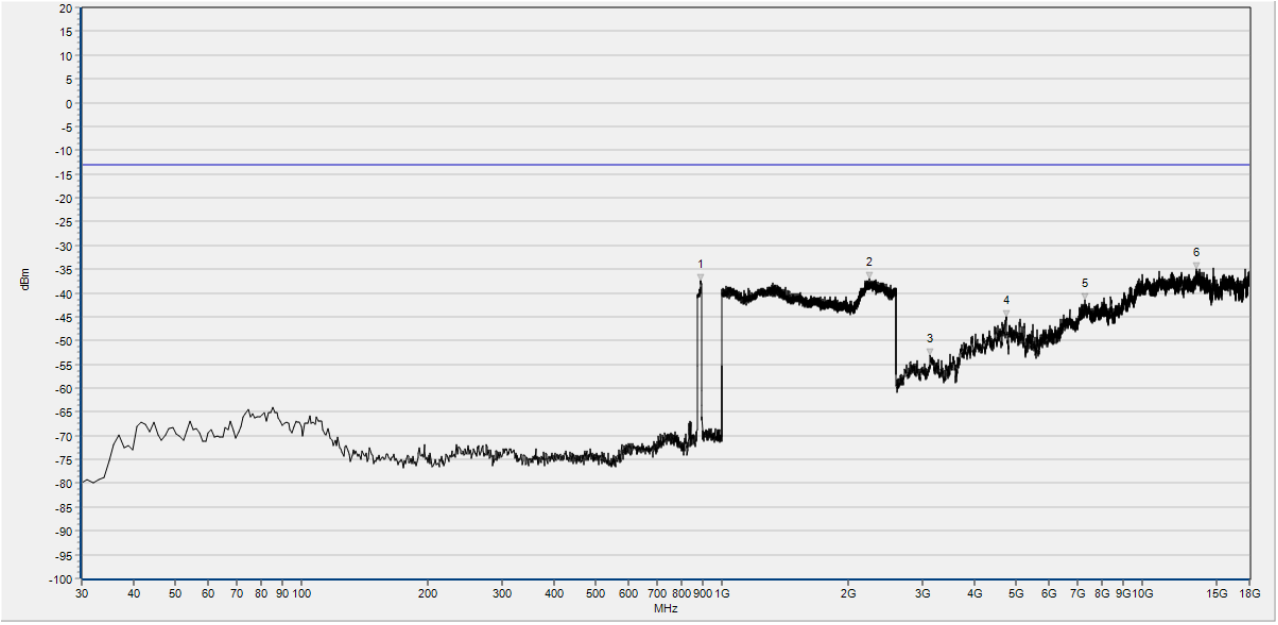
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	890.390	-36.73	-13.00	0.0	H	N/A
2	1359.824	-37.15	-13.00	246.5	H	PASS
3	2227.371	-36.62	-13.00	47.4	H	PASS
4	5109.256	-44.89	-13.00	321.0	H	PASS
5	8427.860	-40.01	-13.00	358.0	H	PASS
6	13451.973	-35.55	-13.00	176.4	H	PASS

N5 167300 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



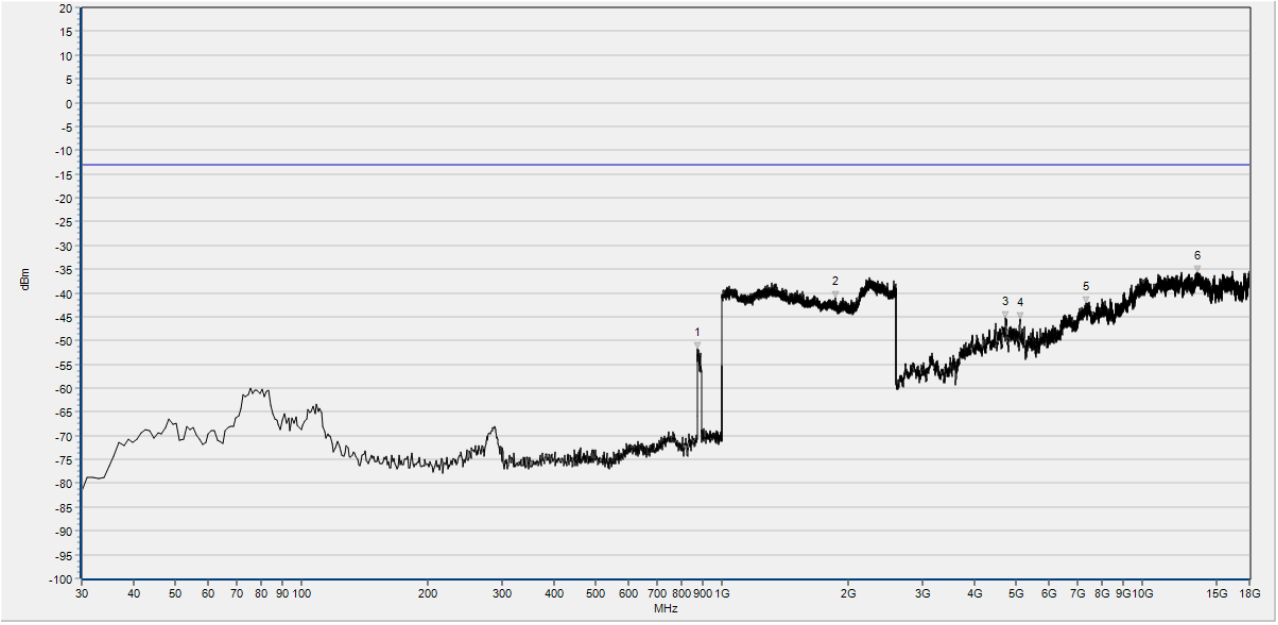
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	877.780	-51.66	-13.00	0.0	V	N/A
2	1663.946	-39.89	-13.00	207.8	V	PASS
3	4658.374	-44.69	-13.00	30.4	V	PASS
4	7260.047	-41.63	-13.00	178.6	V	PASS
5	11172.359	-35.66	-13.00	47.4	V	PASS
6	13561.193	-34.79	-13.00	0.6	V	PASS

N5 167300 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



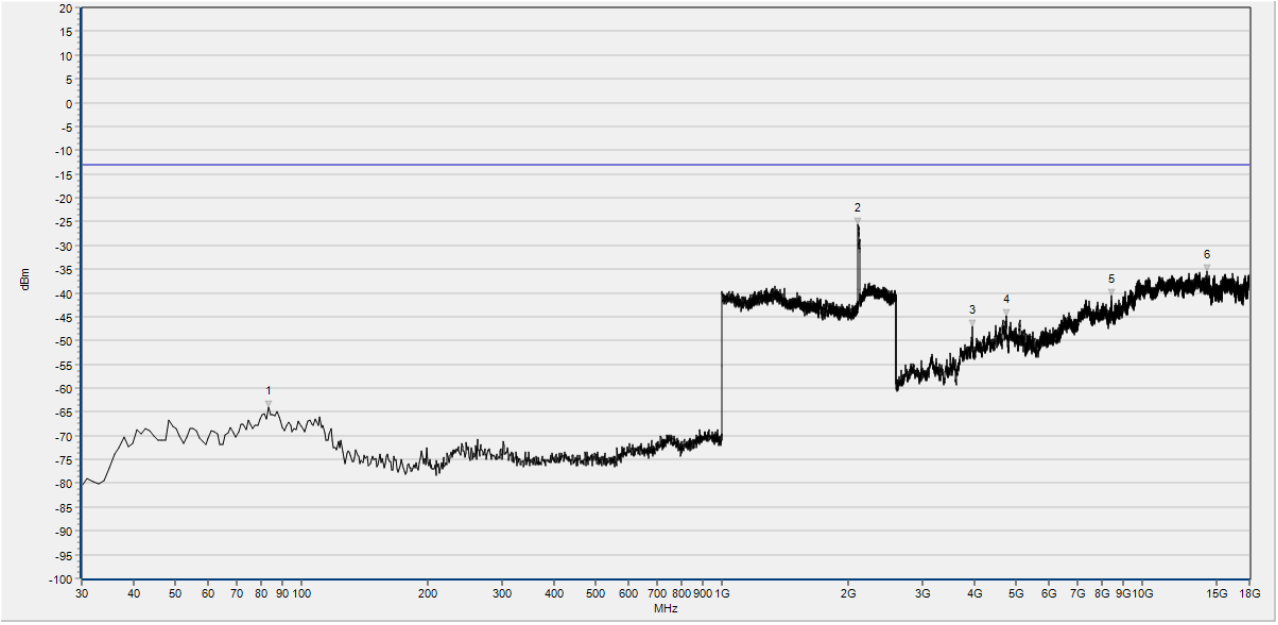
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	890.390	-37.50	-13.00	0.0	H	N/A
2	2246.579	-37.08	-13.00	291.7	H	PASS
3	3134.897	-53.04	-13.00	41.5	H	PASS
4	4739.589	-45.10	-13.00	261.9	H	PASS
5	7324.459	-41.54	-13.00	103.0	H	PASS
6	13443.572	-34.87	-13.00	111.9	H	PASS

N5 167800 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



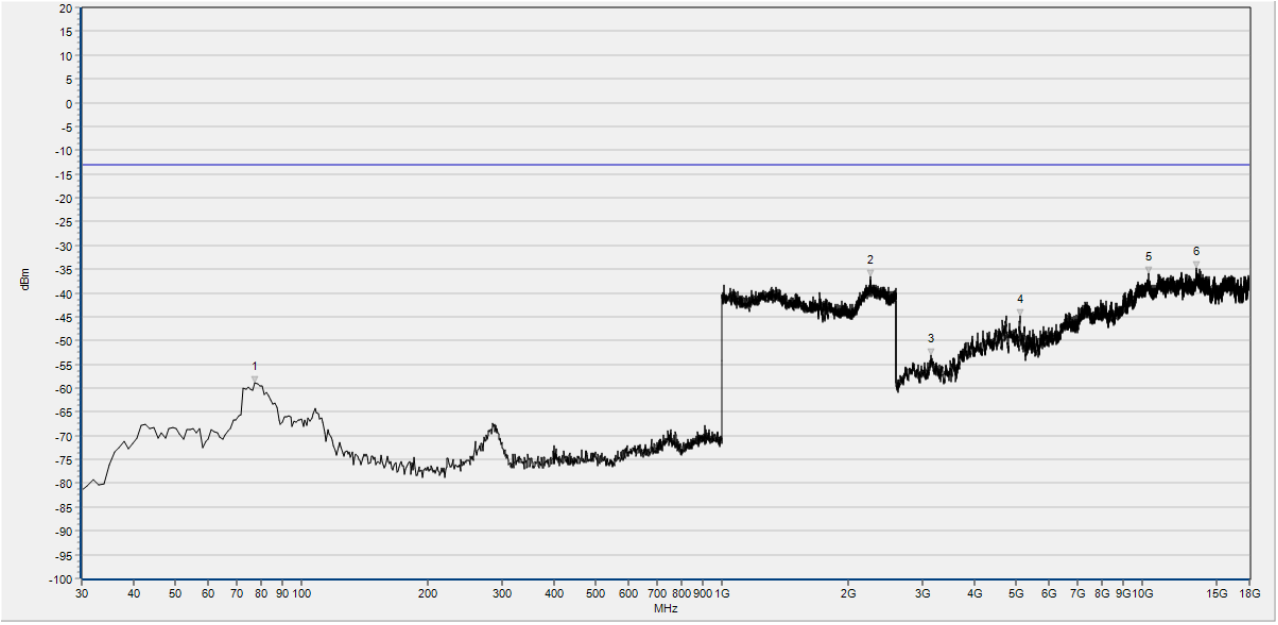
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	874.870	-51.82	-13.00	0.0	V	N/A
2	1861.144	-41.09	-13.00	149.2	V	PASS
3	4736.789	-45.28	-13.00	115.3	V	PASS
4	5117.658	-45.48	-13.00	324.9	V	PASS
5	7352.464	-42.17	-13.00	106.9	V	PASS
6	13502.382	-35.60	-13.00	11.0	V	PASS

N5 167800 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



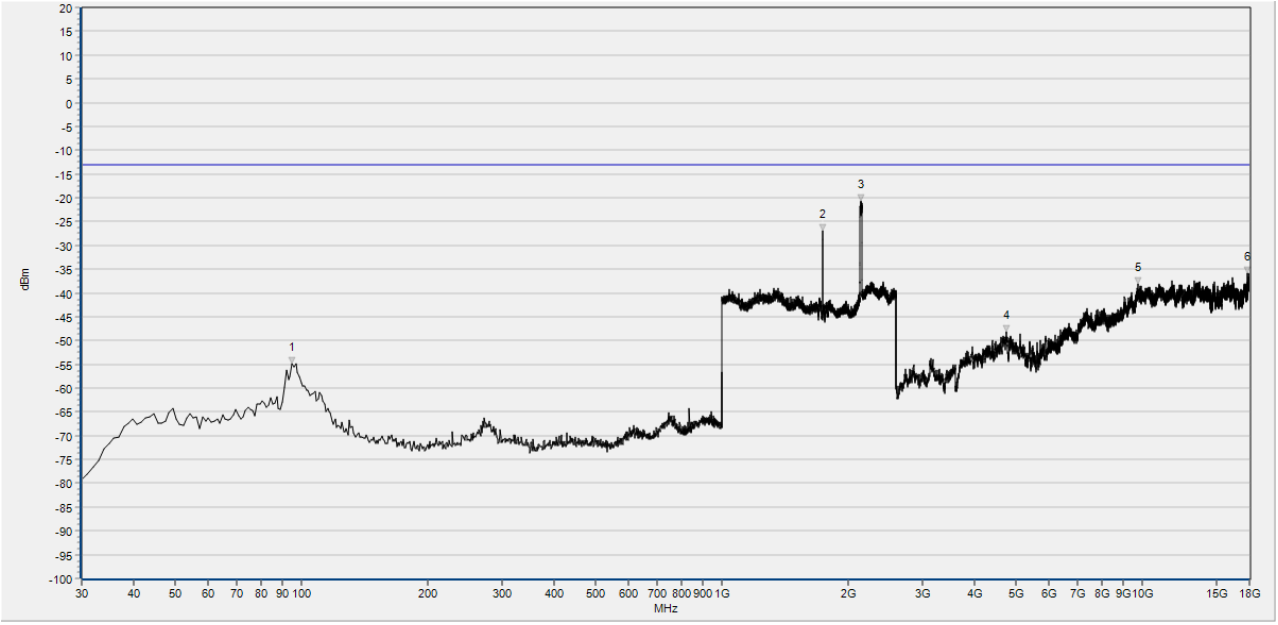
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	83.403	-63.94	-13.00	0.0	H	PASS
2	2110.955	-25.51	-13.00	0.0	H	N/A
3	3940.023	-47.08	-13.00	106.0	H	PASS
4	4746.091	-44.75	-13.00	231.8	H	PASS
5	8429.872	-40.46	-13.00	119.8	H	PASS
6	14228.938	-35.45	-13.00	38.0	H	PASS

N66 344000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



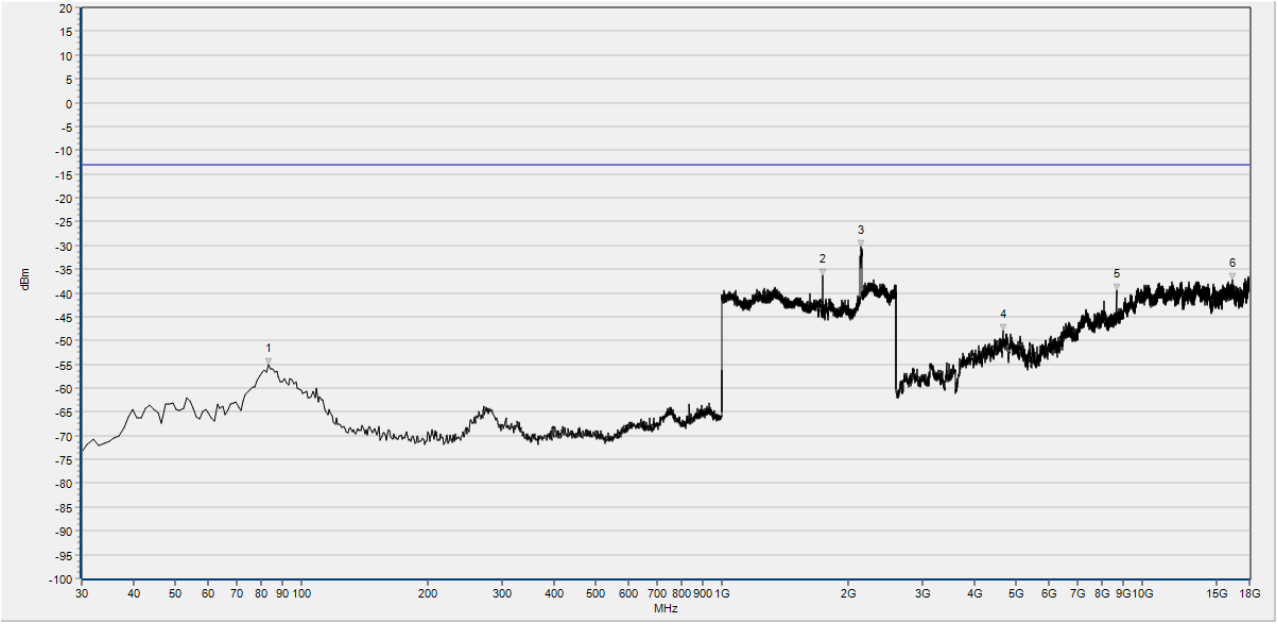
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	77.578	-58.99	-13.00	360.0	V	PASS
2	2251.026	-36.52	-13.00	360.0	V	PASS
3	3149.358	-53.16	-13.00	221.1	V	PASS
4	5115.753	-44.79	-13.00	207.3	V	PASS
5	10355.193	-35.93	-13.00	135.5	V	PASS
6	13469.078	-34.70	-13.00	23.8	V	PASS

N66 344000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



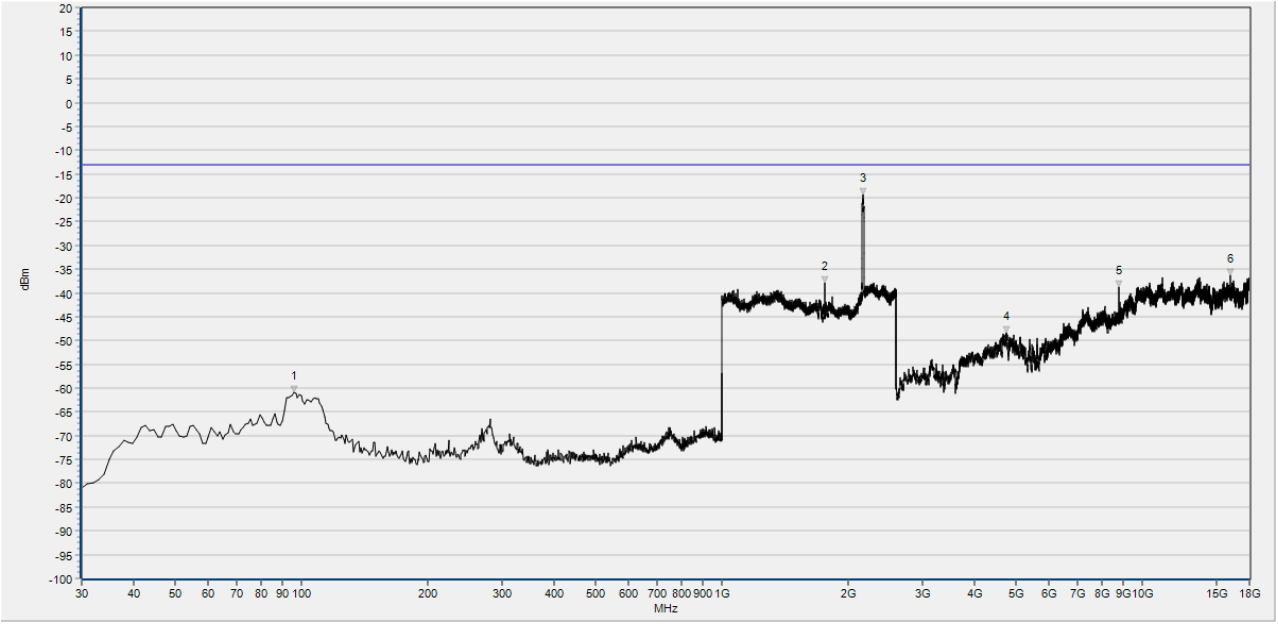
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	94.990	-54.97	-13.00	31.2	H	PASS
2	1735.654	-26.88	-13.00	16.0	H	N/A
3	2148.619	-20.68	-13.00	224.0	H	N/A
4	4747.991	-48.23	-13.00	228.6	H	PASS
5	9752.500	-38.09	-13.00	202.6	H	PASS
6	17837.570	-35.77	-13.00	175.9	H	PASS

N66 349000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



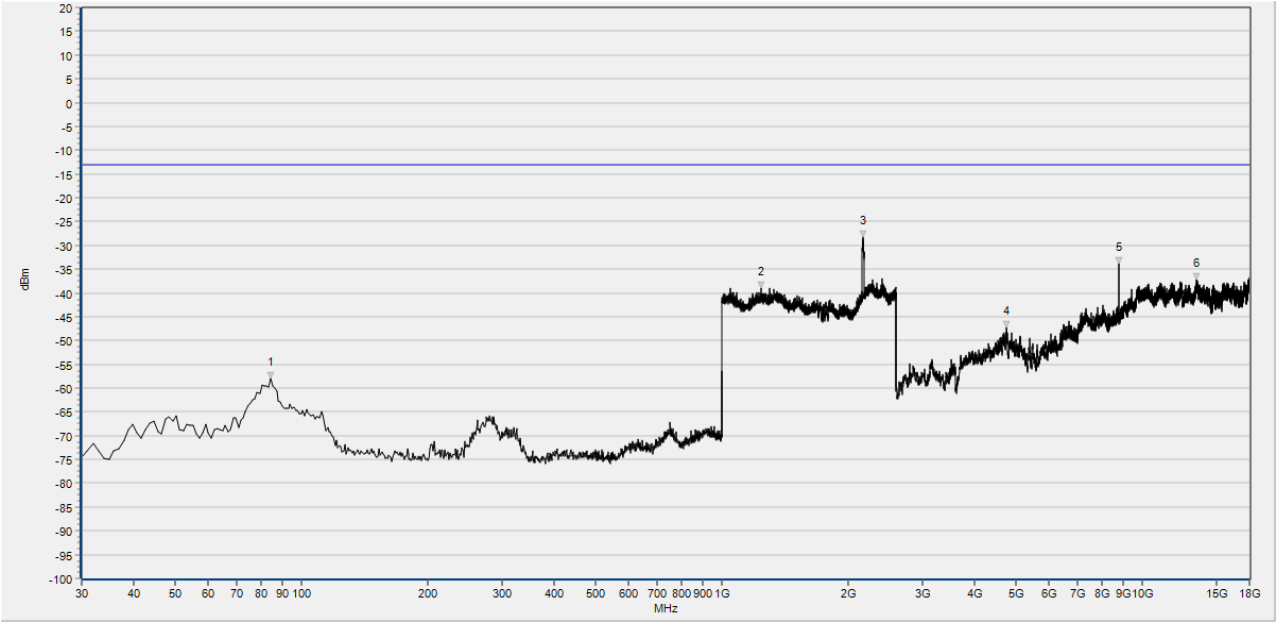
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	83.350	-55.08	-13.00	312.2	V	PASS
2	1735.654	-36.33	-13.00	46.1	V	N/A
3	2147.979	-30.29	-13.00	240.4	V	N/A
4	4658.374	-48.01	-13.00	208.5	V	PASS
5	8679.905	-39.45	-13.00	277.6	V	PASS
6	16437.316	-37.16	-13.00	234.9	V	PASS

N66 349000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



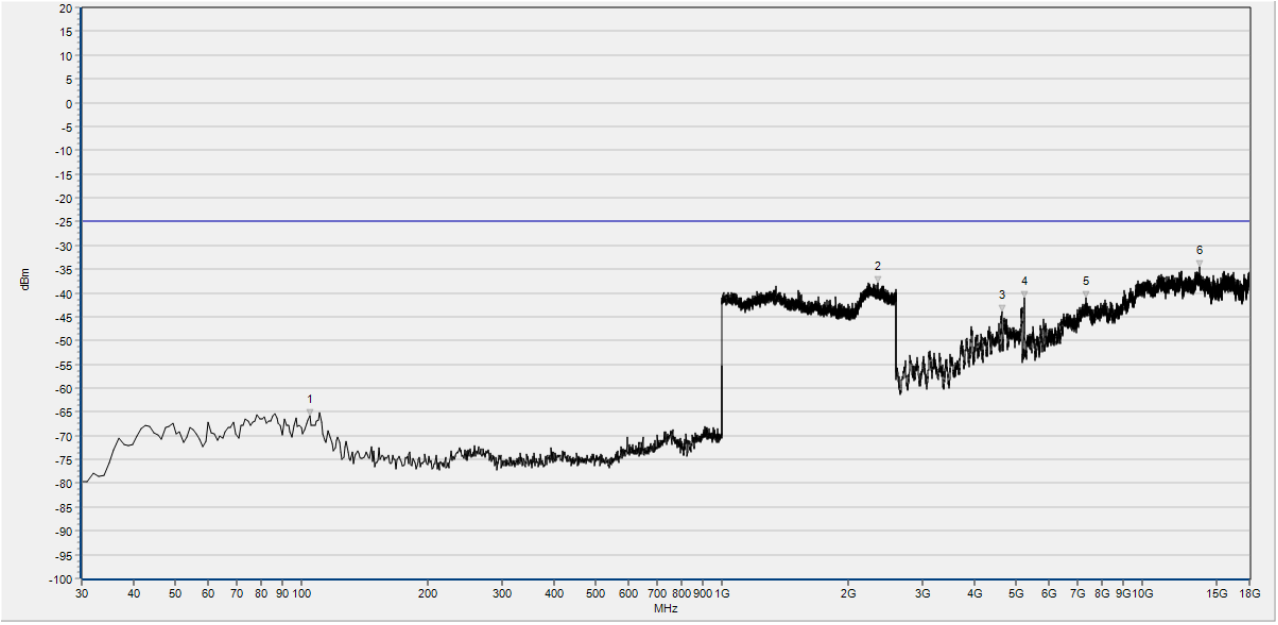
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	95.960	-60.95	-13.00	70.4	H	PASS
2	1760.624	-37.77	-13.00	3.0	H	N/A
3	2166.547	-19.40	-13.00	3.0	H	N/A
4	4747.991	-48.35	-13.00	268.0	H	PASS
5	8803.128	-38.66	-13.00	179.8	H	PASS
6	16188.071	-36.41	-13.00	311.2	H	PASS

N66 354000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



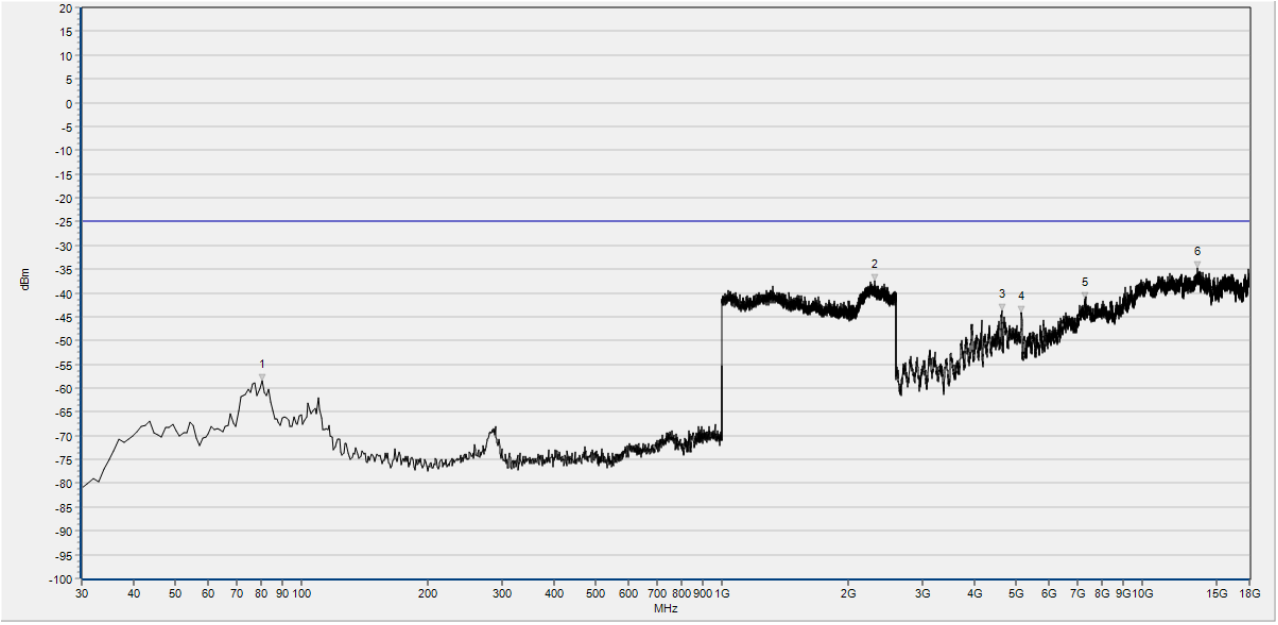
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	84.320	-57.97	-13.00	288.8	V	PASS
2	1238.175	-39.04	-13.00	274.6	V	PASS
3	2167.827	-28.22	-13.00	143.5	V	N/A
4	4764.794	-47.34	-13.00	194.7	V	PASS
5	8803.128	-33.85	-13.00	245.9	V	PASS
6	13479.978	-37.16	-13.00	280.7	V	PASS

N66 354000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



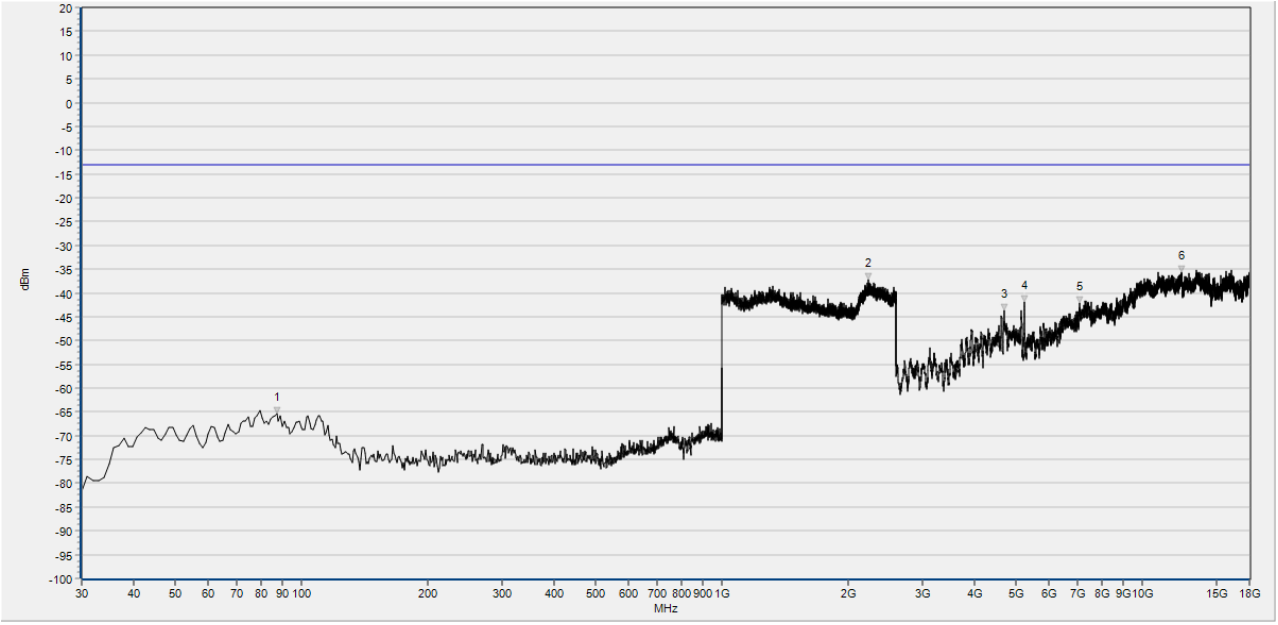
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	104.690	-65.74	-25.00	360.0	H	PASS
2	2347.099	-37.92	-25.00	360.0	H	PASS
3	4630.369	-43.82	-25.00	246.1	H	PASS
4	5246.481	-41.00	-25.00	273.1	H	PASS
5	7352.464	-40.96	-25.00	106.5	H	PASS
6	13662.011	-34.48	-25.00	158.9	H	PASS

N77 633334(3450-3550) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



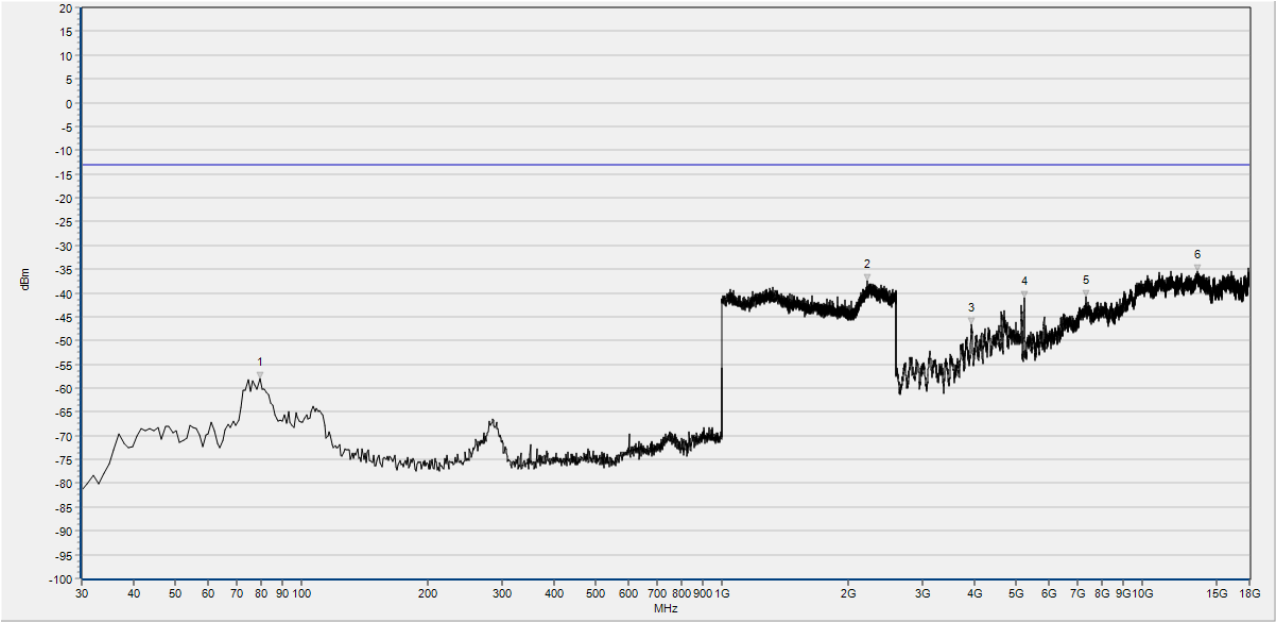
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	80.440	-58.34	-25.00	0.0	V	PASS
2	2310.604	-37.51	-25.00	0.0	V	PASS
3	4630.369	-43.75	-25.00	26.9	V	PASS
4	5162.466	-44.16	-25.00	360.0	V	PASS
5	7318.858	-41.14	-25.00	297.7	V	PASS
6	13516.385	-34.72	-25.00	193.4	V	PASS

N77 633334(3450-3550) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G V



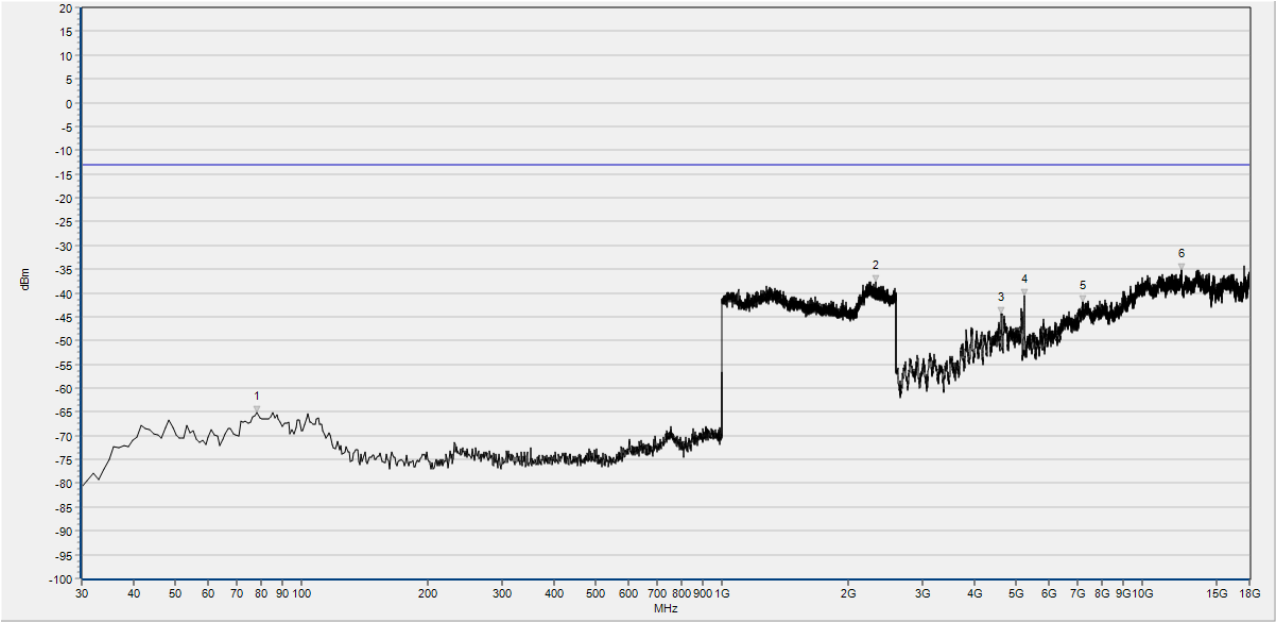
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	87.230	-65.47	-13.00	0.0	H	PASS
2	2227.371	-37.29	-13.00	0.0	H	PASS
3	4694.781	-43.73	-13.00	192.4	H	PASS
4	5243.681	-42.00	-13.00	69.4	H	PASS
5	7094.817	-42.07	-13.00	324.6	H	PASS
6	12390.580	-35.69	-13.00	324.6	H	PASS

N77 650000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



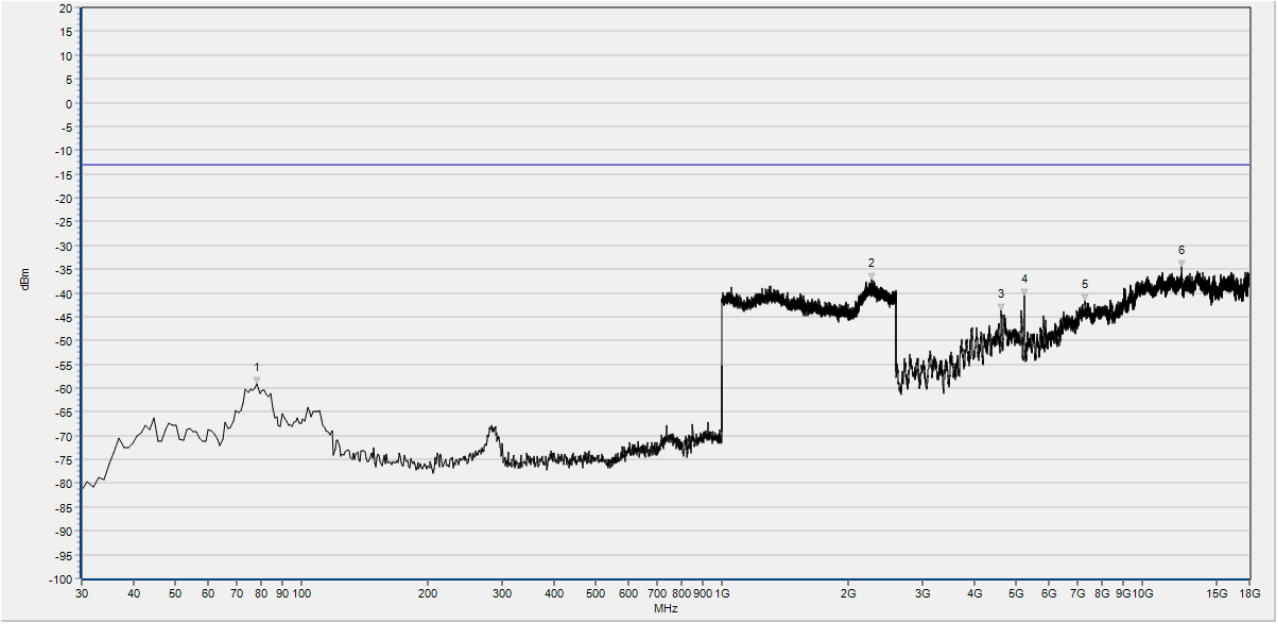
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	79.470	-57.95	-13.00	360.0	V	PASS
2	2217.127	-37.32	-13.00	360.0	V	PASS
3	3933.042	-46.63	-13.00	1.5	V	PASS
4	5243.681	-41.11	-13.00	122.3	V	PASS
5	7341.262	-40.82	-13.00	280.2	V	PASS
6	13569.594	-35.48	-13.00	122.3	V	PASS

N77 650000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G V



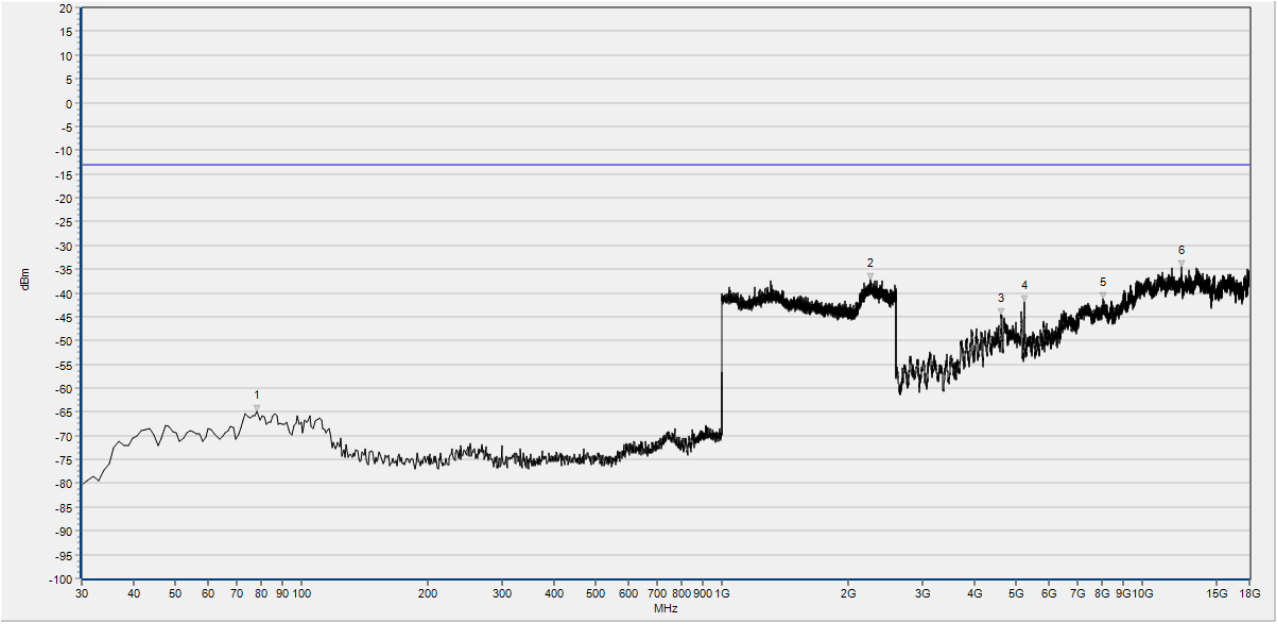
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	78.500	-65.15	-13.00	0.0	H	PASS
2	2326.611	-37.74	-13.00	0.0	H	PASS
3	4627.569	-44.42	-13.00	164.2	H	PASS
4	5246.481	-40.55	-13.00	129.2	H	PASS
5	7204.037	-41.95	-13.00	263.0	H	PASS
6	12370.977	-35.30	-13.00	22.5	H	PASS

N77 656000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



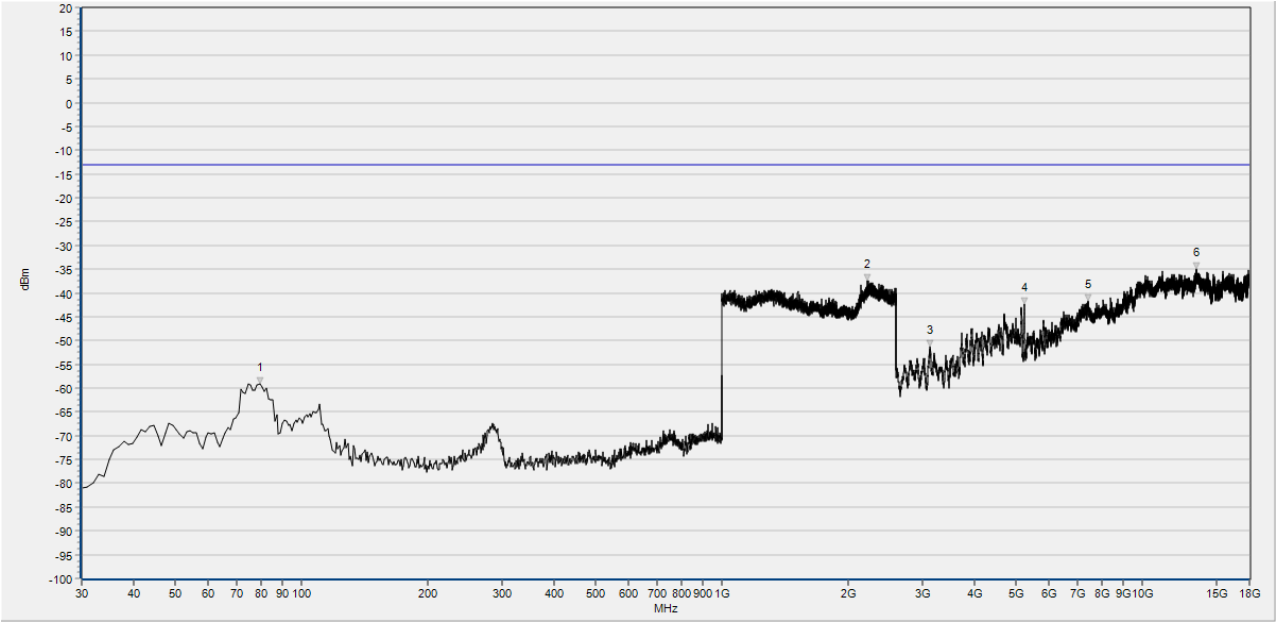
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	78.500	-59.14	-13.00	0.0	V	PASS
2	2277.311	-37.24	-13.00	0.0	V	PASS
3	4621.968	-43.66	-13.00	104.7	V	PASS
4	5243.681	-40.58	-13.00	226.8	V	PASS
5	7318.858	-41.74	-13.00	114.1	V	PASS
6	12415.785	-34.54	-13.00	235.9	V	PASS

N77 656000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G V



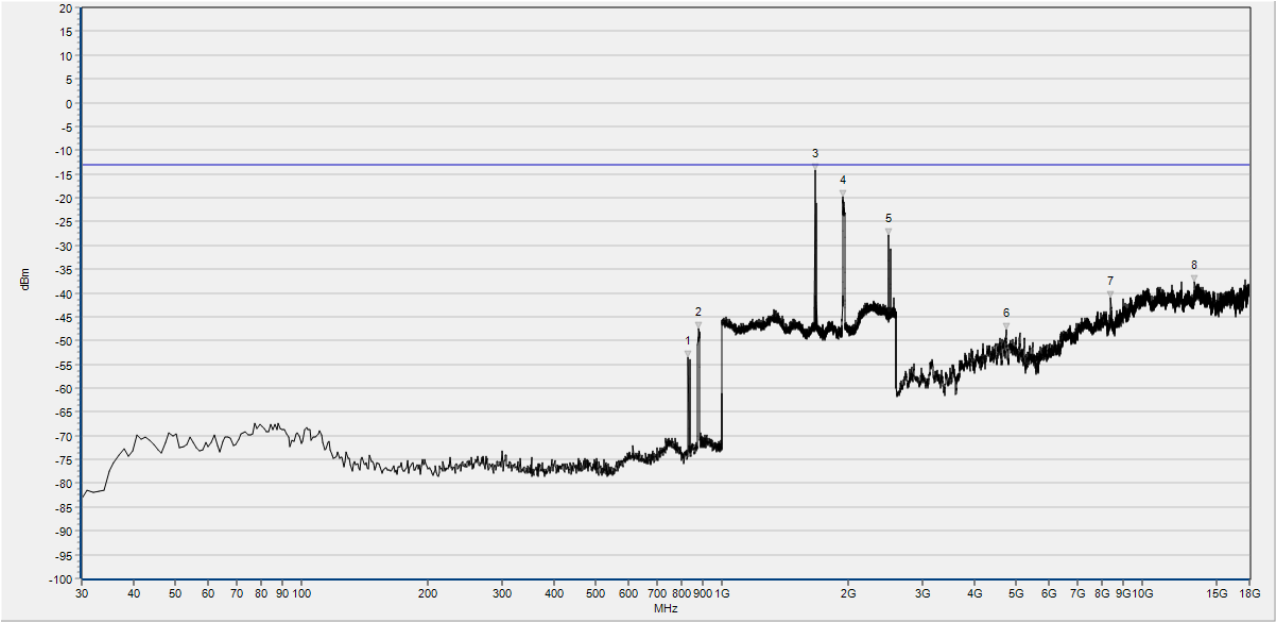
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	78.500	-64.95	-13.00	360.0	H	PASS
2	2262.585	-37.23	-13.00	360.0	H	PASS
3	4621.968	-44.52	-13.00	233.0	H	PASS
4	5243.681	-41.91	-13.00	197.7	H	PASS
5	8086.197	-41.33	-13.00	277.3	H	PASS
6	12387.780	-34.56	-13.00	322.7	H	PASS

N77 662000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



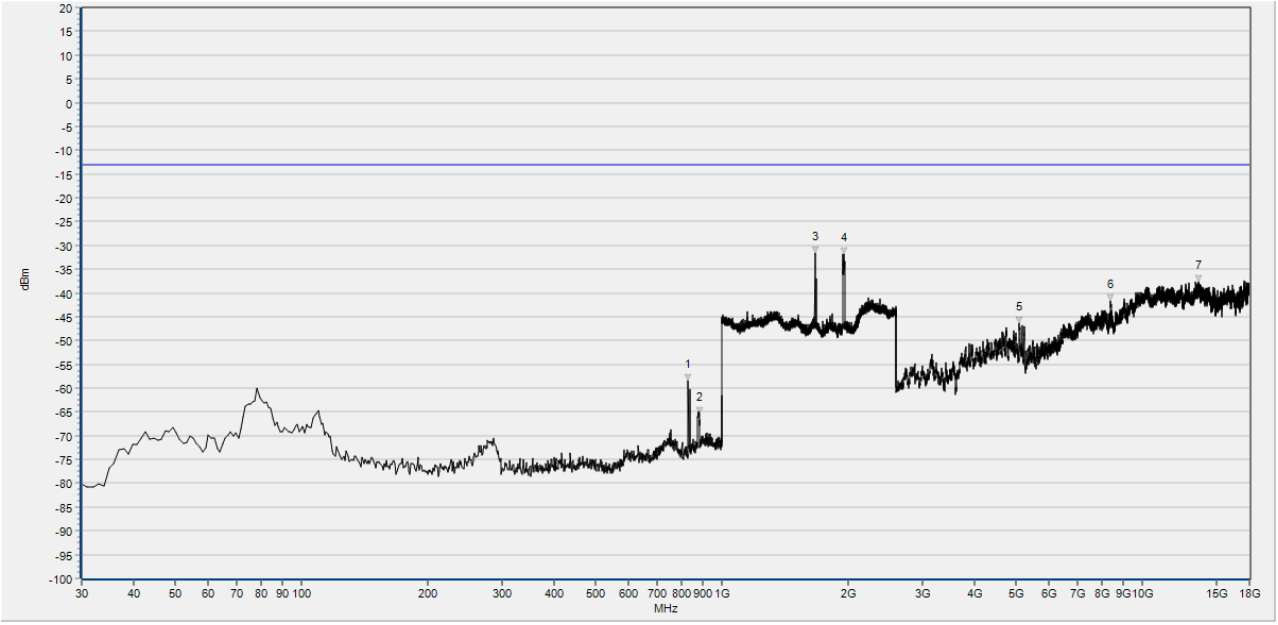
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	79.470	-59.15	-13.00	0.0	V	PASS
2	2221.609	-37.33	-13.00	0.0	V	PASS
3	3134.897	-51.30	-13.00	341.1	V	PASS
4	5243.681	-42.43	-13.00	191.1	V	PASS
5	7442.080	-41.64	-13.00	31.3	V	PASS
6	13423.968	-34.92	-13.00	31.3	V	PASS

N77 662000(3700-3980) 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G V



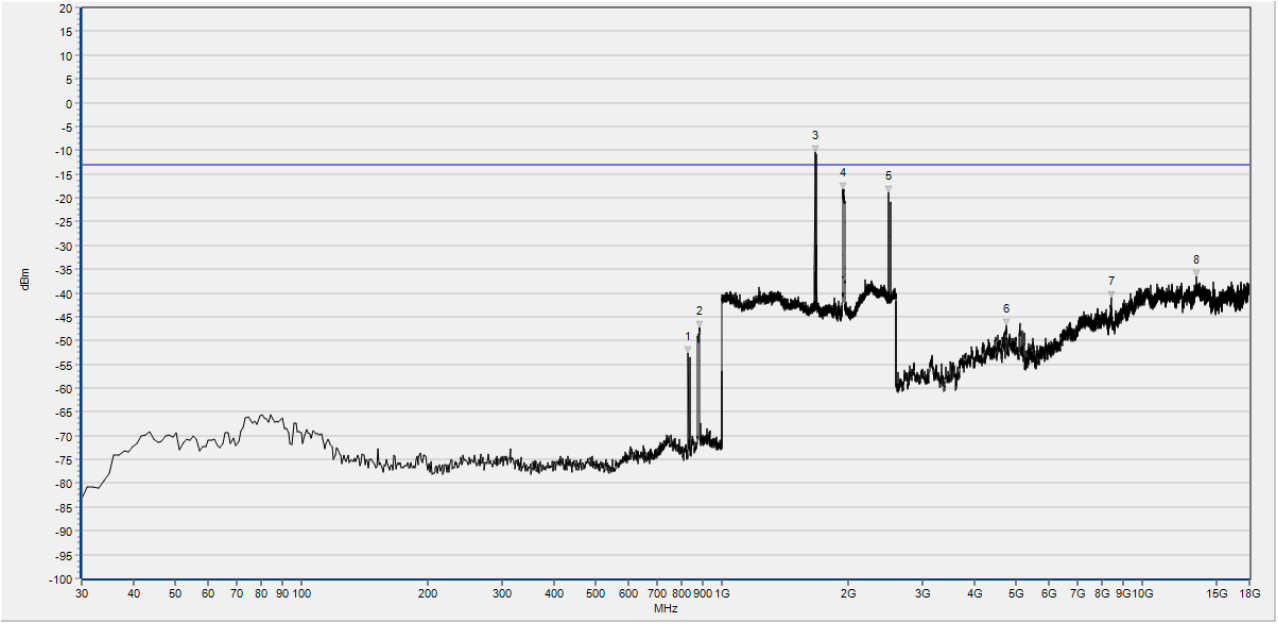
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-53.59	-13.00	360.0	H	N/A
2	881.660	-47.58	-13.00	360.0	H	N/A
3	1664.586	-14.22	-13.00	95.3	H	PASS
4	1941.176	-19.75	-13.00	212.8	H	N/A
5	2497.559	-27.91	-13.00	95.3	H	PASS
6	4742.390	-47.78	-13.00	310.7	H	PASS
7	8422.259	-41.07	-13.00	359.3	H	PASS
8	13339.953	-37.69	-13.00	8.9	H	PASS
Num	Freq(MHz)	RMS	limit PK	Degree	Antenna	Verdict
3	1664.586	-24.64	-13.00	95.3	H	PASS

DC_5A_n2 372000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



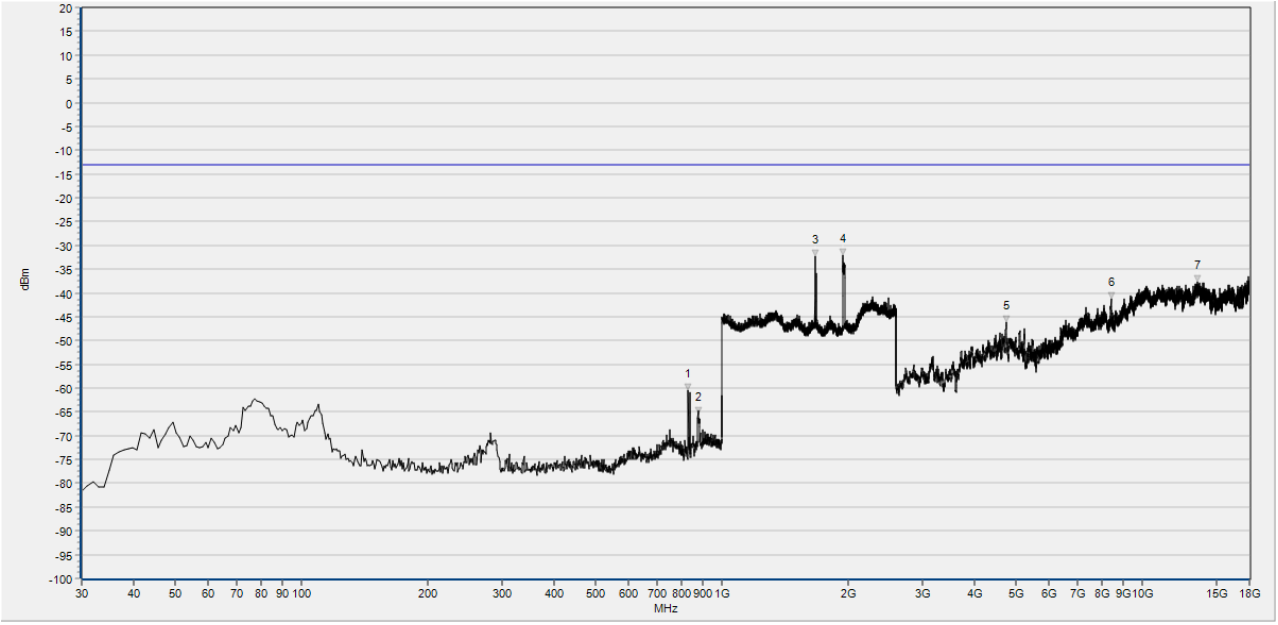
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-58.55	-13.00	0.0	V	N/A
2	882.630	-65.45	-13.00	0.0	V	N/A
3	1664.586	-31.52	-13.00	104.5	V	PASS
4	1955.262	-31.87	-13.00	136.8	V	N/A
5	5106.456	-46.28	-13.00	261.9	V	PASS
6	8422.259	-41.65	-13.00	183.4	V	PASS
7	13608.802	-37.66	-13.00	123.3	V	PASS

DC_5A_n2 372000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



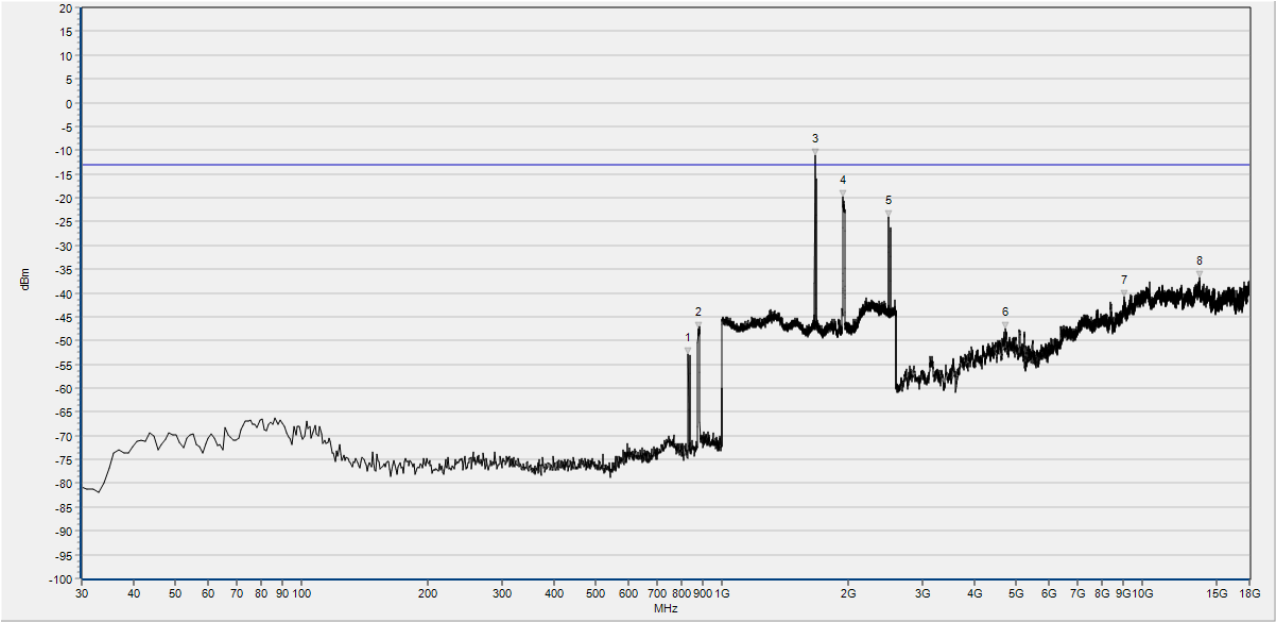
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-52.56	-13.00	0.0	H	N/A
2	883.600	-47.26	-13.00	0.0	H	N/A
3	1664.586	-10.28	-13.00	103.7	H	N/A
4	1943.737	-18.29	-13.00	222.2	H	N/A
5	2496.919	-18.95	-13.00	103.7	H	PASS
6	4747.991	-46.88	-13.00	64.2	H	PASS
7	8427.860	-40.90	-13.00	238.2	H	PASS
8	13463.175	-36.61	-13.00	38.0	H	PASS
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
3	1664.586	-23.70	-13.00	103.7	H	PASS

DC_5A_n2 376000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



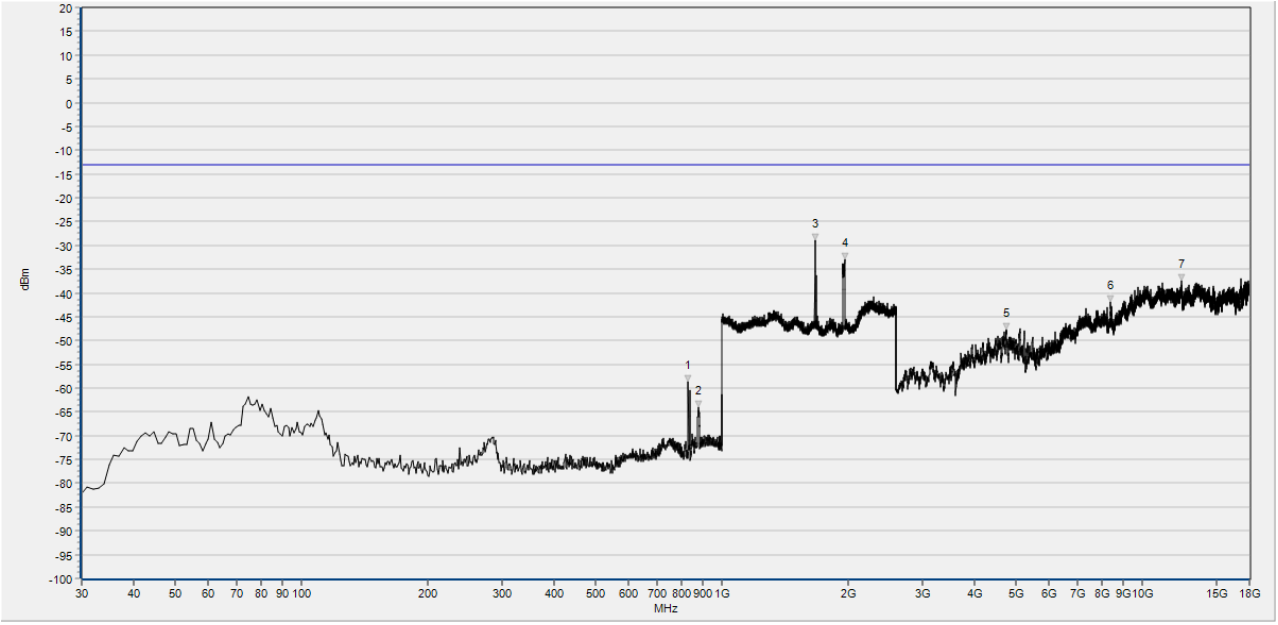
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-60.43	-13.00	0.0	V	N/A
2	878.750	-65.45	-13.00	0.0	V	N/A
3	1664.586	-32.19	-13.00	103.7	V	PASS
4	1941.176	-31.99	-13.00	135.0	V	N/A
5	4745.190	-46.20	-13.00	91.4	V	PASS
6	8427.860	-41.27	-13.00	15.1	V	PASS
7	13566.794	-37.71	-13.00	126.0	V	PASS

DC_5A_n2 376000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



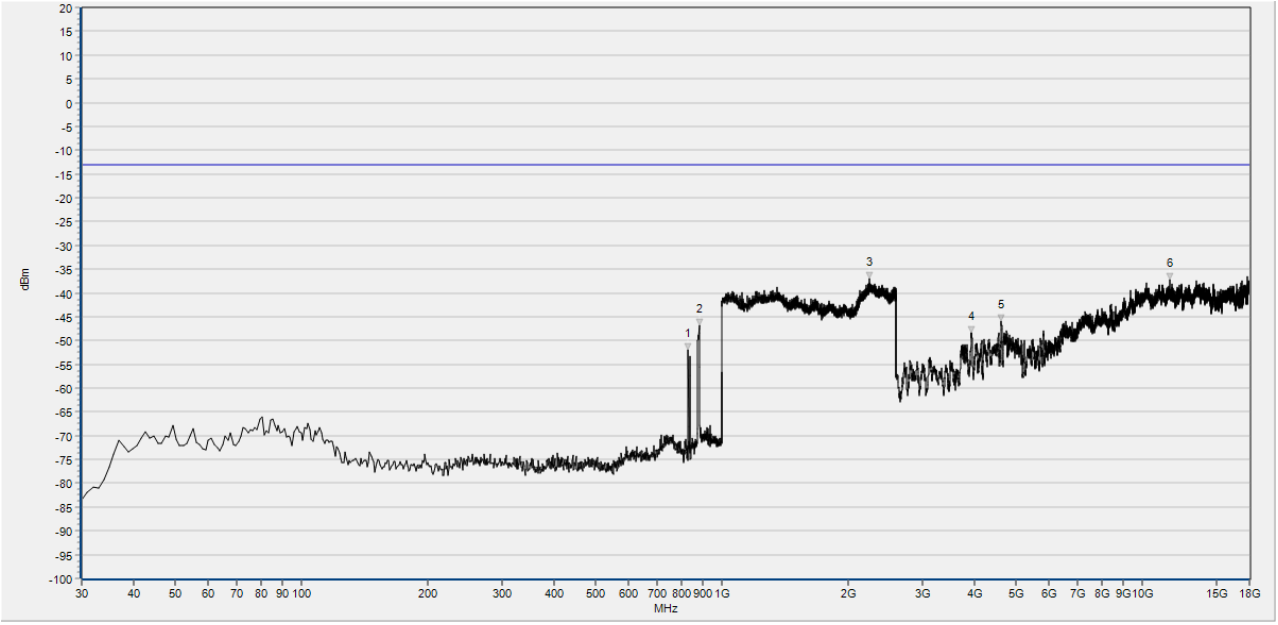
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-52.82	-13.00	360.0	H	N/A
2	879.720	-47.45	-13.00	360.0	H	N/A
3	1664.586	-11.00	-13.00	97.9	H	N/A
4	1941.176	-19.67	-13.00	183.8	H	N/A
5	2496.919	-24.12	-13.00	97.9	H	PASS
6	4736.789	-47.42	-13.00	61.2	H	PASS
7	9074.777	-40.76	-13.00	52.8	H	PASS
8	13692.817	-36.85	-13.00	87.2	H	PASS
Num	Freq(MHz)	RMS	limit PK	Degree	Antenna	Verdict
3	1664.586	-24.31	-13.00	97.9	H	PASS

DC_5A_n2 380000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



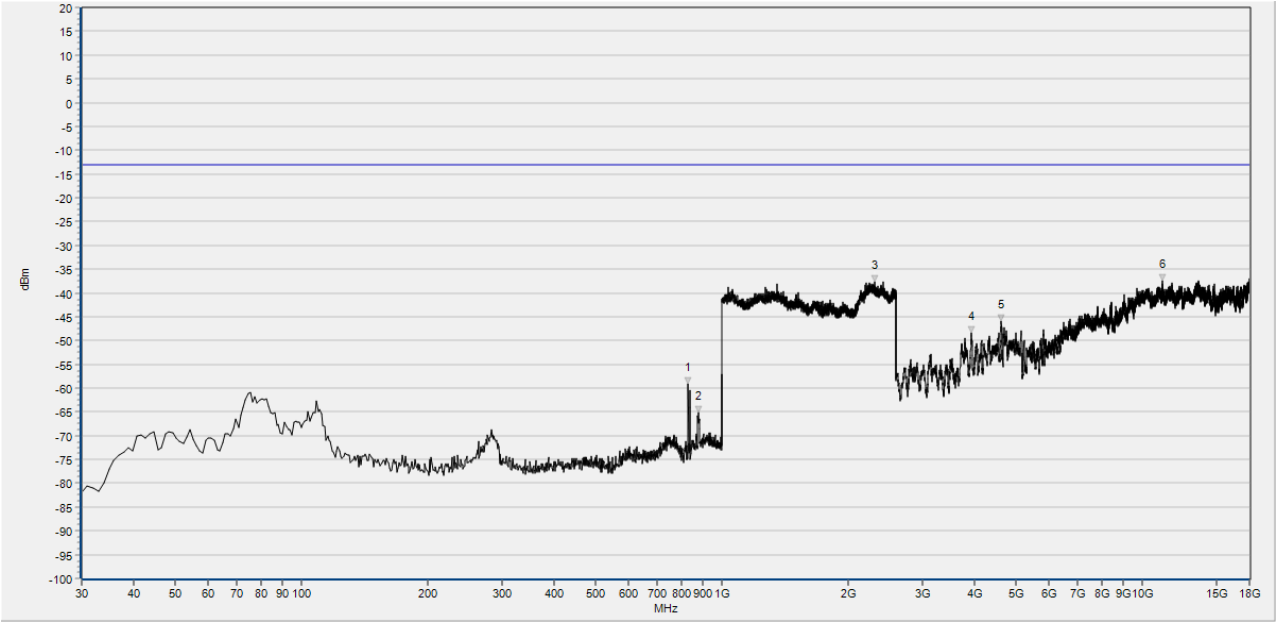
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-58.60	-13.00	0.0	V	N/A
2	878.750	-64.04	-13.00	0.0	V	N/A
3	1664.586	-29.02	-13.00	106.2	V	PASS
4	1957.823	-32.85	-13.00	106.2	V	N/A
5	4747.991	-47.74	-13.00	263.9	V	PASS
6	8416.658	-41.98	-13.00	65.1	V	PASS
7	12387.780	-37.47	-13.00	82.2	V	PASS

DC_5A_n2 380000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G V



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-52.03	-13.00	360.0	H	N/A
2	882.630	-46.80	-13.00	360.0	H	N/A
3	2249.140	-37.03	-13.00	3.6	H	PASS
4	3924.641	-48.43	-13.00	102.5	H	PASS
5	4624.768	-45.99	-13.00	59.0	H	PASS
6	11637.243	-37.16	-13.00	292.2	H	PASS

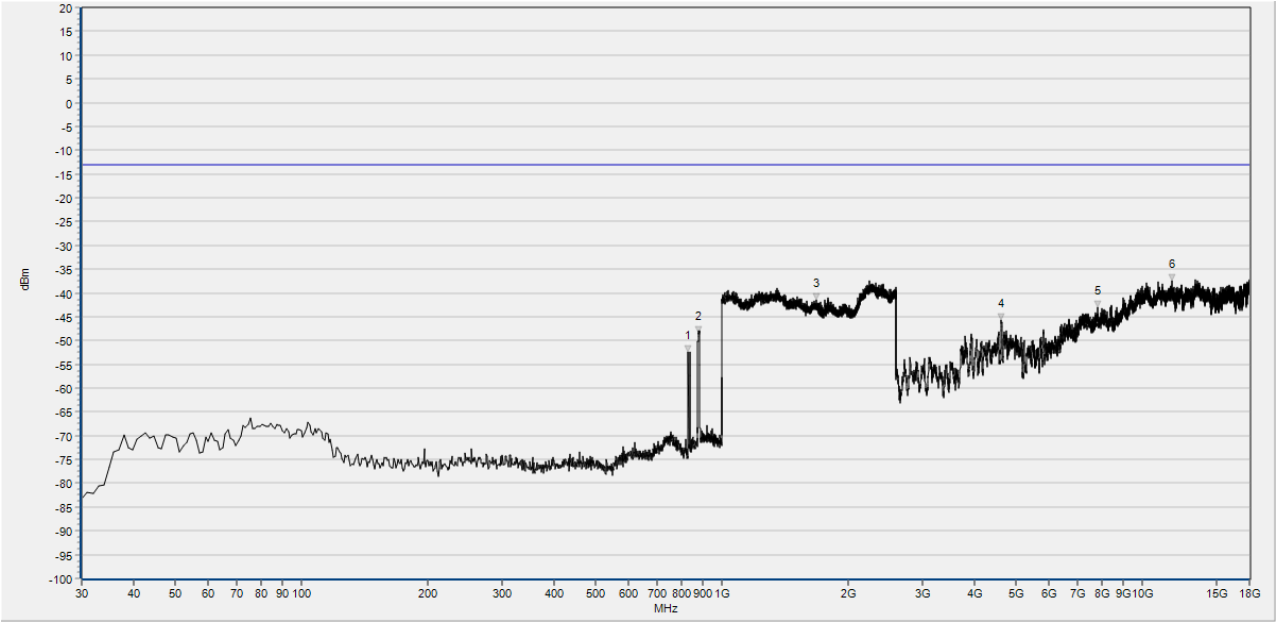
DC_5A_n77 650000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-59.09	-13.00	360.0	V	N/A
2	879.720	-65.13	-13.00	360.0	V	N/A
3	2306.763	-37.64	-13.00	68.7	V	PASS
4	3927.441	-48.45	-13.00	60.7	V	PASS
5	4624.768	-45.87	-13.00	25.6	V	PASS
6	11152.755	-37.48	-13.00	86.4	V	PASS

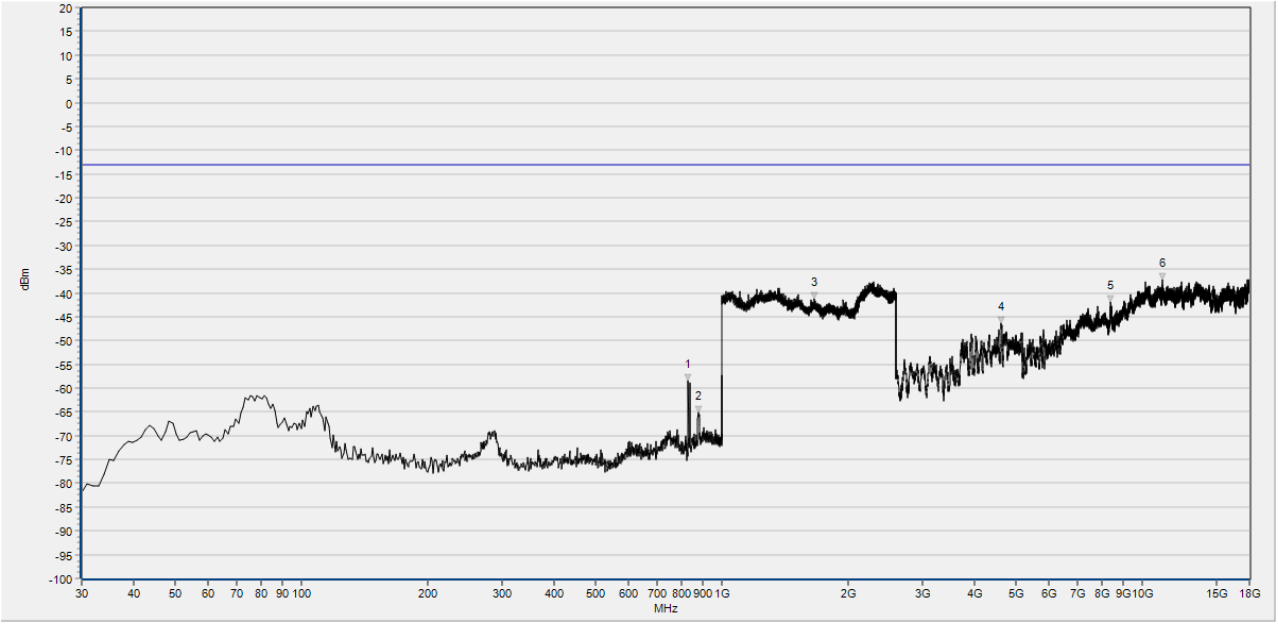
DC_5A_n77 650000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G

V



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-52.42	-13.00	360.0	H	N/A
2	879.720	-48.35	-13.00	360.0	H	N/A
3	1678.671	-41.51	-13.00	133.6	H	PASS
4	4624.768	-45.71	-13.00	43.7	H	PASS
5	7822.950	-42.96	-13.00	215.1	H	PASS
6	11777.269	-37.44	-13.00	310.0	H	PASS

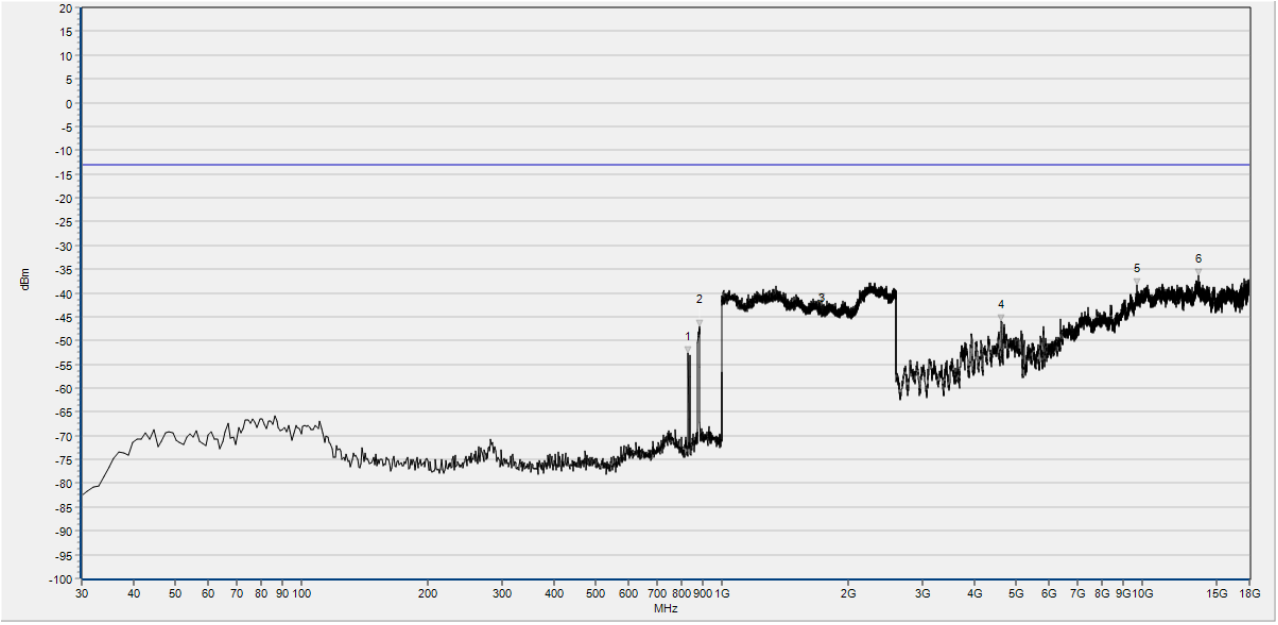
DC_5A_n77 656000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-58.34	-13.00	360.0	V	N/A
2	877.780	-65.08	-13.00	360.0	V	N/A
3	1655.622	-41.22	-13.00	64.2	V	PASS
4	4624.768	-46.43	-13.00	181.0	V	PASS
5	8425.059	-41.81	-13.00	189.7	V	PASS
6	11169.558	-37.24	-13.00	78.0	V	PASS

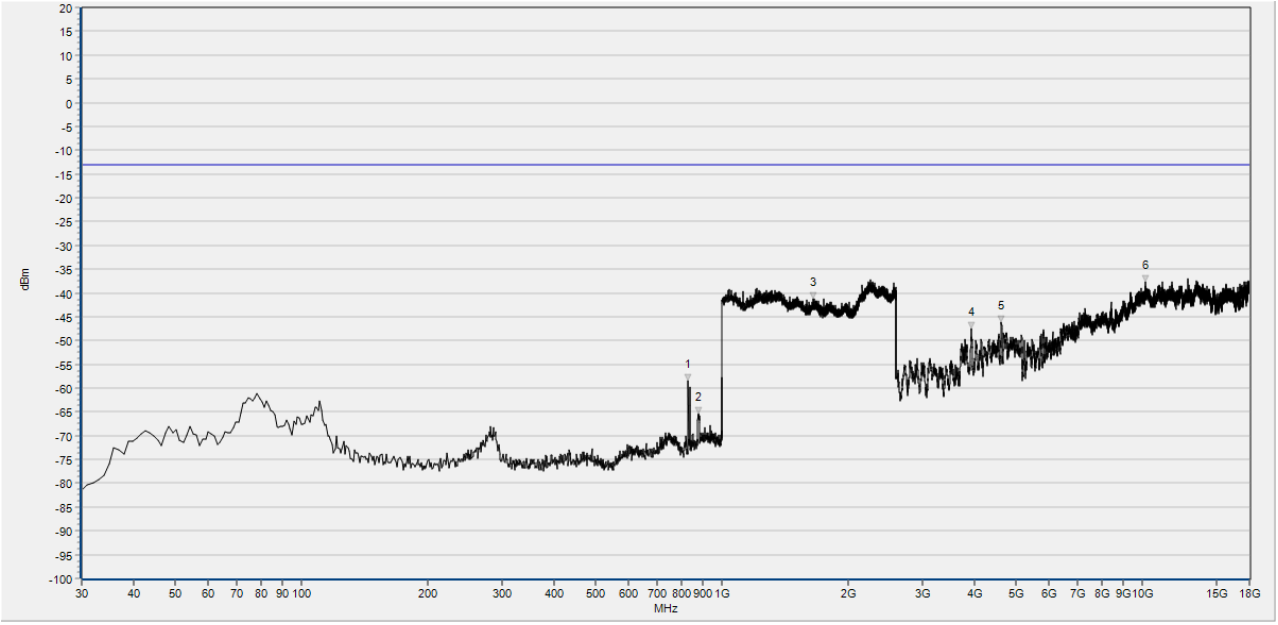
DC_5A_n77 656000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G

V



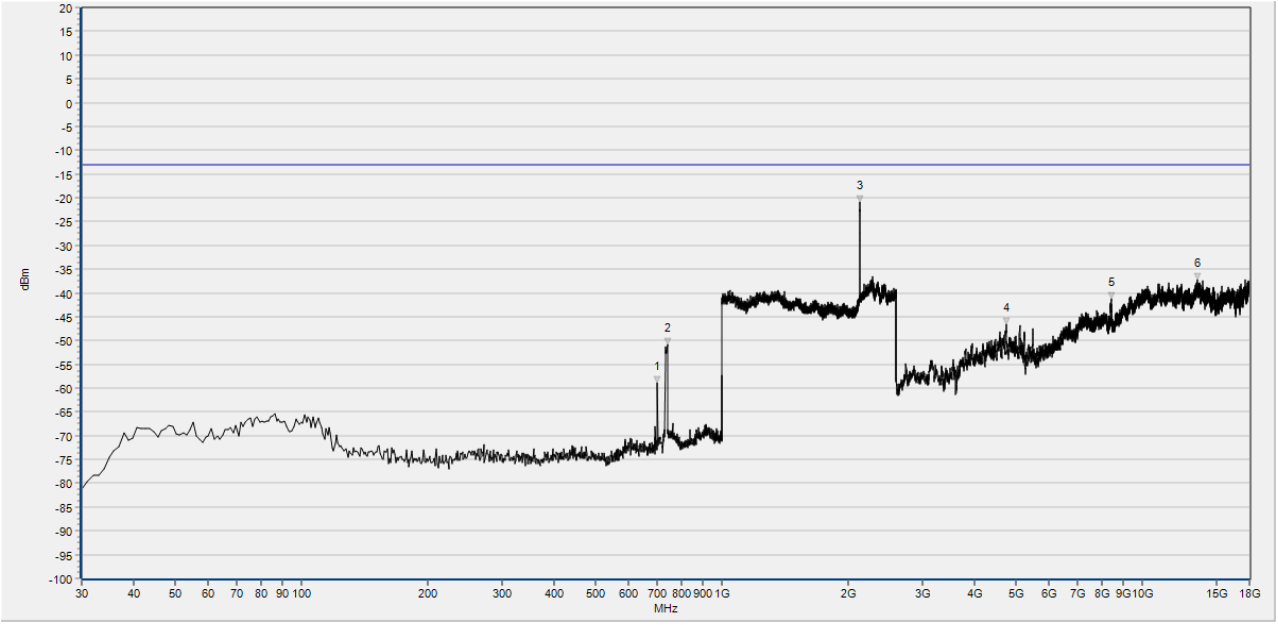
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-52.73	-13.00	360.0	H	N/A
2	882.630	-46.96	-13.00	360.0	H	N/A
3	1726.050	-41.37	-13.00	144.0	H	PASS
4	4624.768	-45.91	-13.00	96.0	H	PASS
5	9738.498	-38.38	-13.00	294.1	H	PASS
6	13603.201	-36.40	-13.00	276.8	H	PASS

DC_5A_n77 662000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G H



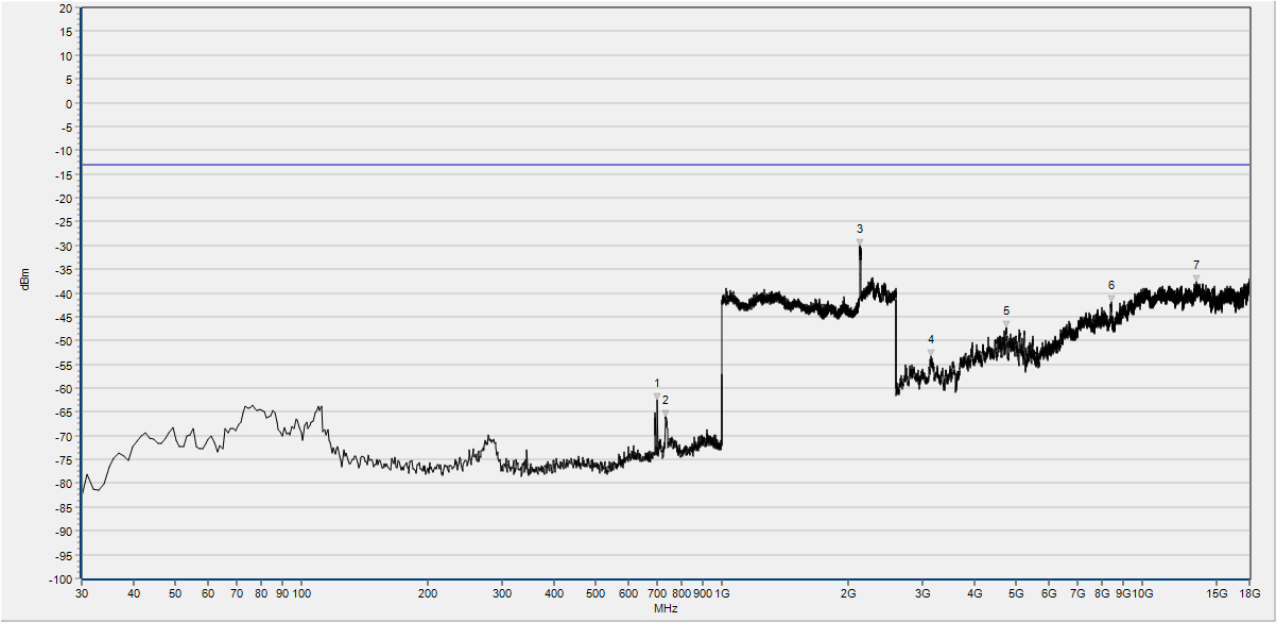
Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	832.190	-58.53	-13.00	360.0	V	N/A
2	879.720	-65.35	-13.00	360.0	V	N/A
3	1646.659	-41.17	-13.00	86.2	V	PASS
4	3927.441	-47.45	-13.00	251.0	V	PASS
5	4621.968	-46.25	-13.00	354.9	V	PASS
6	10186.579	-37.70	-13.00	276.7	V	PASS

DC_5A_n77 662000 100MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 30kHz 30M-18G V



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	703.180	-58.92	-13.00	360.0	H	N/A
2	741.980	-50.90	-13.00	360.0	H	N/A
3	2126.210	-20.84	-13.00	119.1	H	N/A
4	4747.991	-46.64	-13.00	55.8	H	PASS
5	8427.860	-41.20	-13.00	309.5	H	PASS
6	13499.582	-37.30	-13.00	12.8	H	PASS

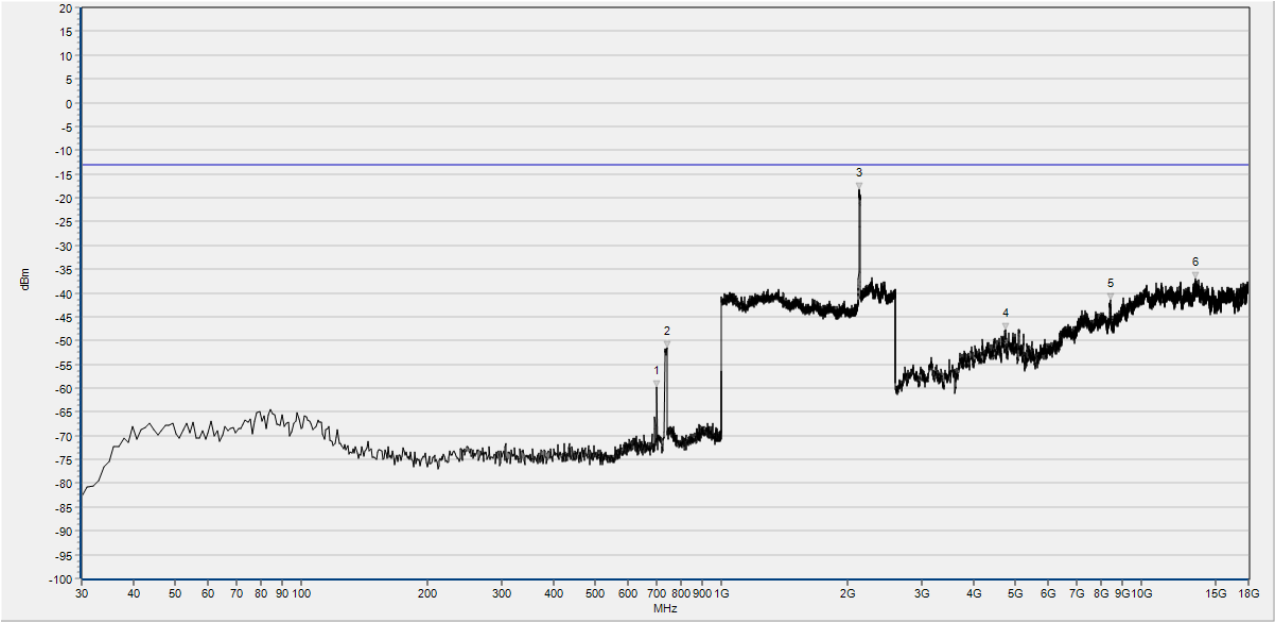
DC_12A_n66 344000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	703.180	-62.50	-13.00	0.0	V	N/A
2	734.220	-65.95	-13.00	0.0	V	N/A
3	2128.772	-30.09	-13.00	137.8	V	N/A
4	3140.498	-53.34	-13.00	228.3	V	PASS
5	4739.589	-47.32	-13.00	176.4	V	PASS
6	8427.860	-41.97	-13.00	176.4	V	PASS
7	13471.577	-37.77	-13.00	334.4	V	PASS

DC_12A_n66 344000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G

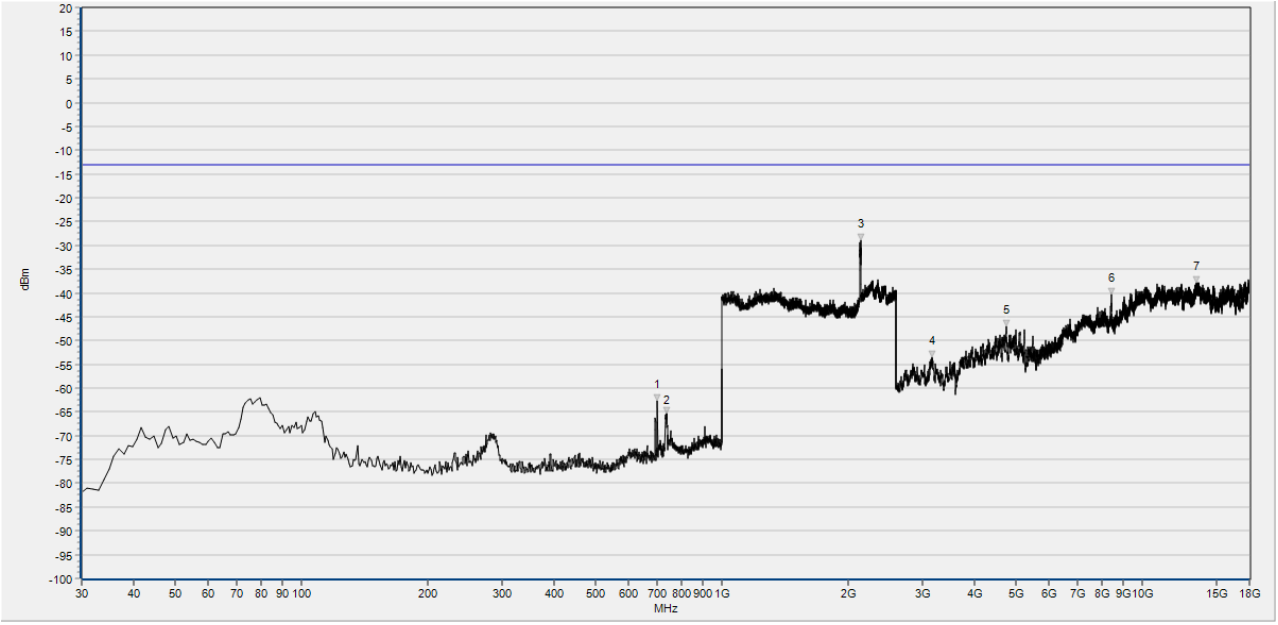
V



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	703.180	-59.88	-13.00	360.0	H	N/A
2	741.980	-51.57	-13.00	360.0	H	N/A
3	2131.973	-18.20	-13.00	322.2	H	N/A
4	4742.390	-47.72	-13.00	108.4	H	PASS
5	8427.860	-41.54	-13.00	272.2	H	PASS
6	13493.981	-36.94	-13.00	116.8	H	PASS

DC_12A_n66 349000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G

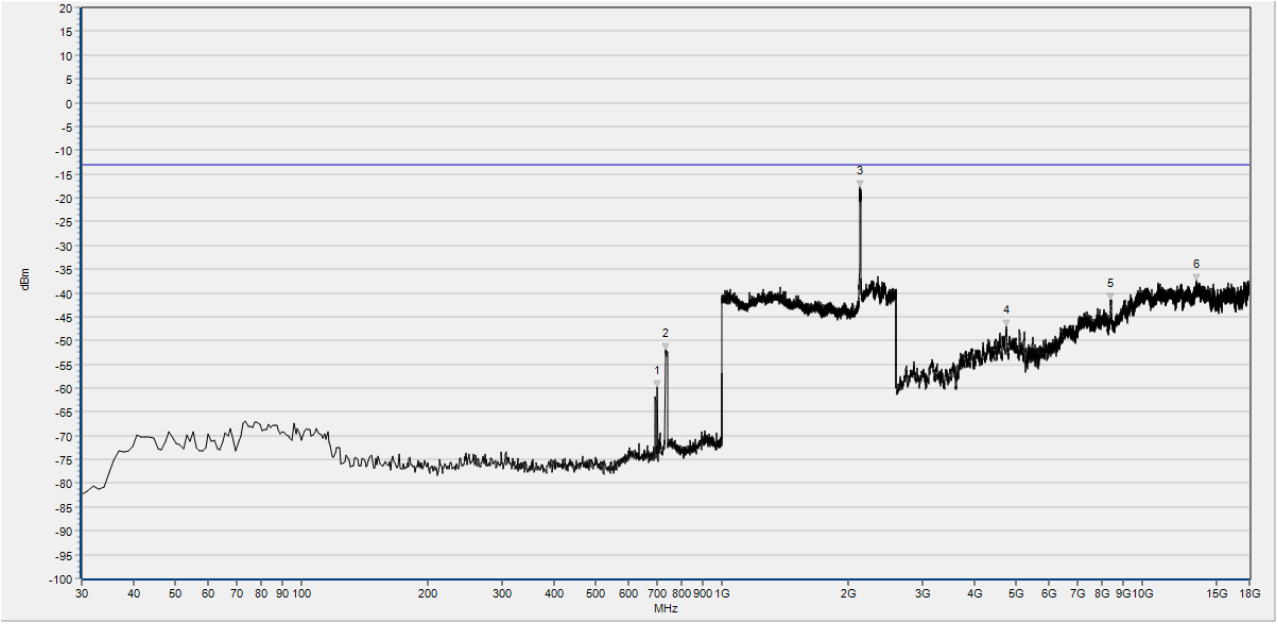
H



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	703.180	-62.72	-13.00	360.0	V	N/A
2	738.100	-65.43	-13.00	360.0	V	N/A
3	2140.296	-28.88	-13.00	105.7	V	N/A
4	3157.301	-53.46	-13.00	302.6	V	PASS
5	4750.791	-47.08	-13.00	130.9	V	PASS
6	8439.062	-40.45	-13.00	183.8	V	PASS
7	13477.178	-37.83	-13.00	222.5	V	PASS

DC_12A_n66 349000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G

V



Num	Freq(MHz)	PK	limit PK	Degree	Antenna	Verdict
1	703.180	-59.84	-13.00	360.0	H	N/A
2	735.190	-51.91	-13.00	360.0	H	N/A
3	2131.973	-17.83	-13.00	14.3	H	N/A
4	4742.390	-47.00	-13.00	114.1	H	PASS
5	8422.259	-41.48	-13.00	96.3	H	PASS
6	13468.776	-37.48	-13.00	18.7	H	PASS

DC_12A_n66 354000 20MHz DFT-S-OFDM QPSK RB Size-1 RB Offset-1 SCS 15kHz 30M-18G H