



REPORT No.: SZ21100132W10

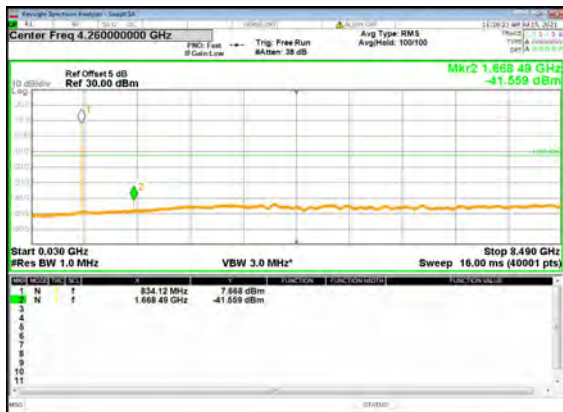
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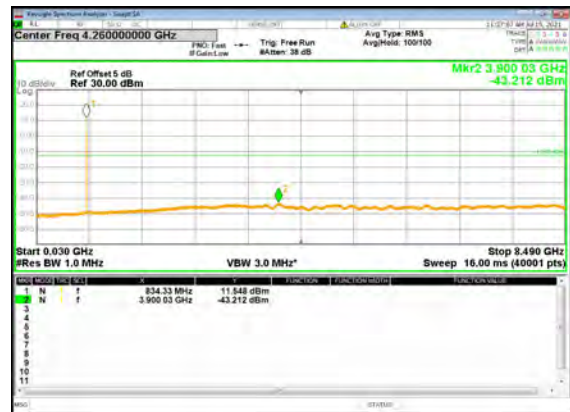
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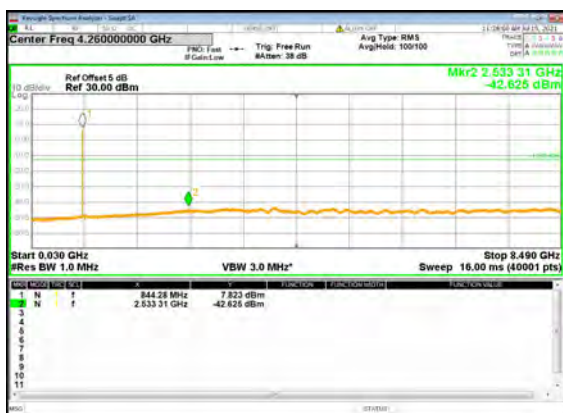
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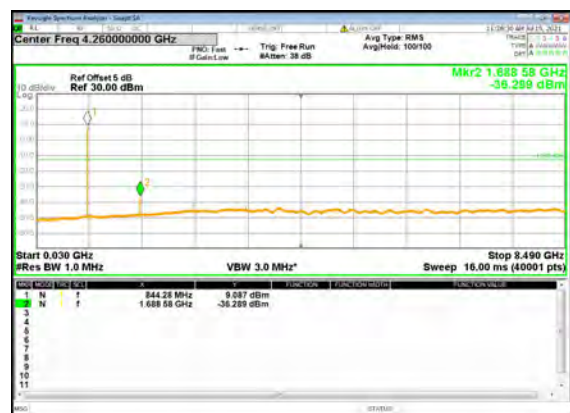
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N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_
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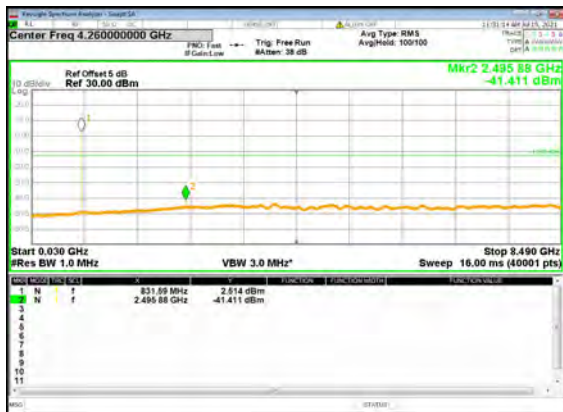
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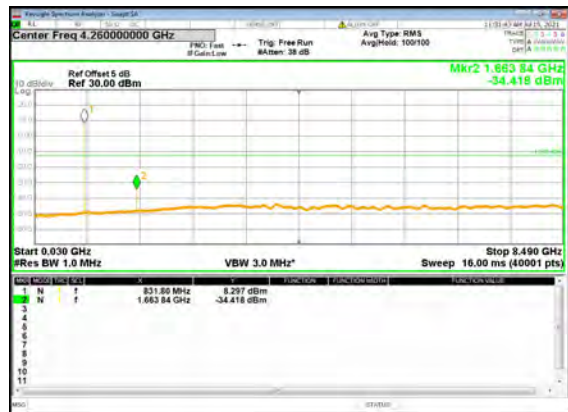
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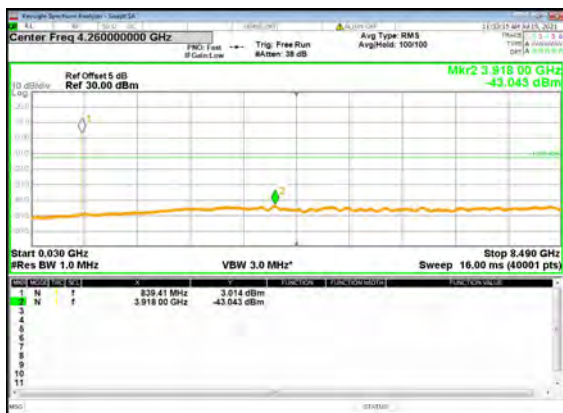
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N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Mid_CH



N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_
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N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH





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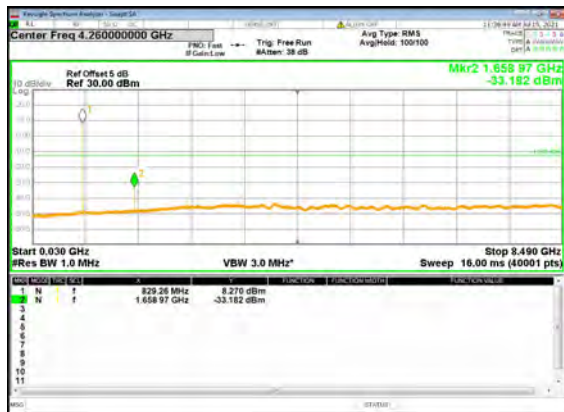
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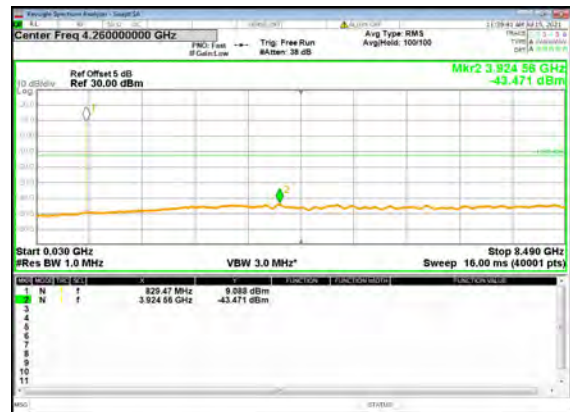
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N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Mid_CH



N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_
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N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH

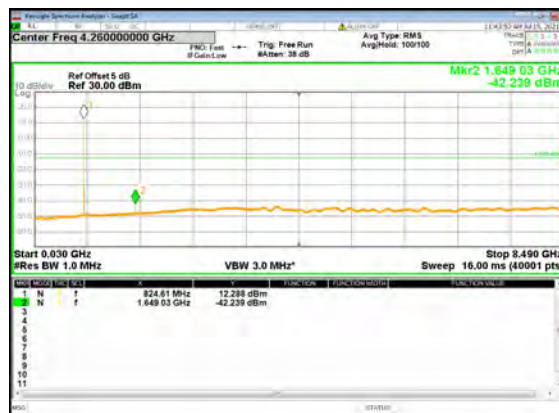




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Left_Low_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Low_CH



N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Mid_CH



N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH





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N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Low_CH



N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Low_CH



N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CH



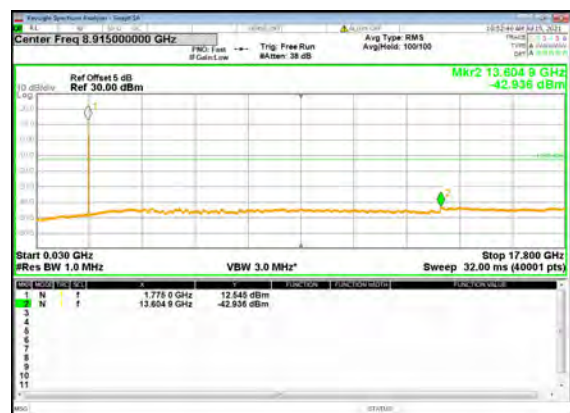
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N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
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Left_High_CH





REPORT No.: SZ21100132W10

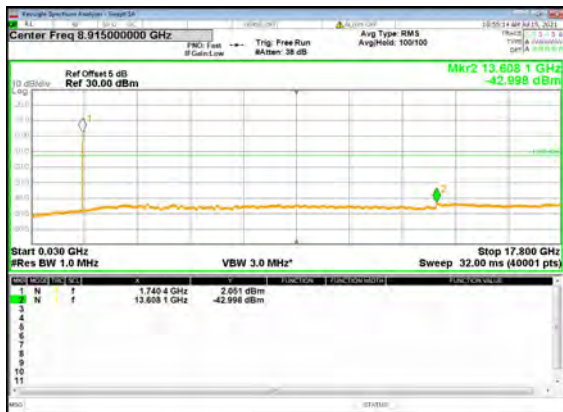
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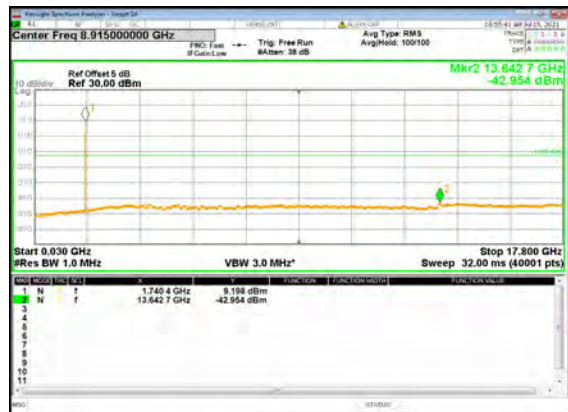
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Left_Low_CH



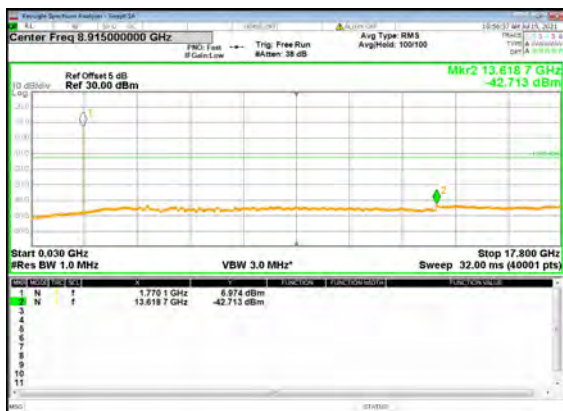
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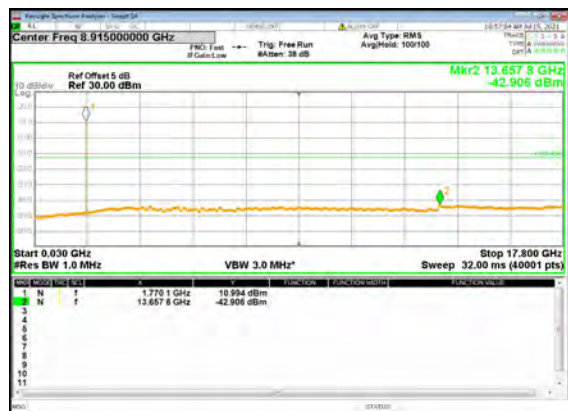
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Left_Mid_CH



N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CH



N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH



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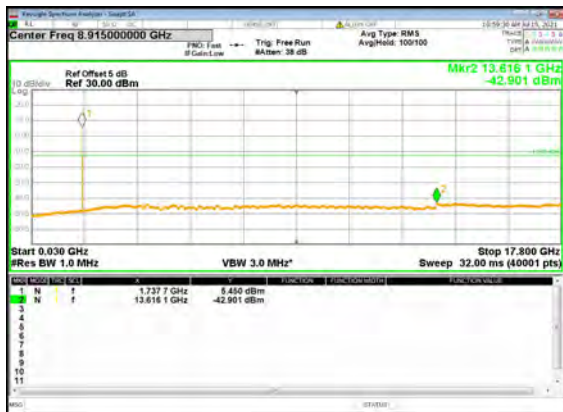
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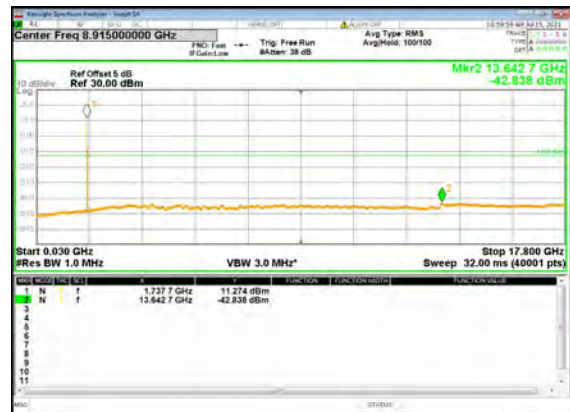
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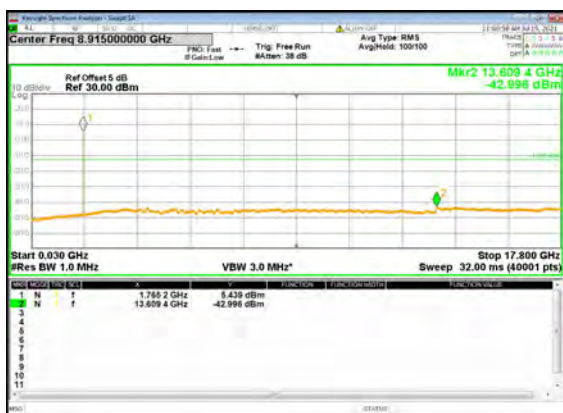
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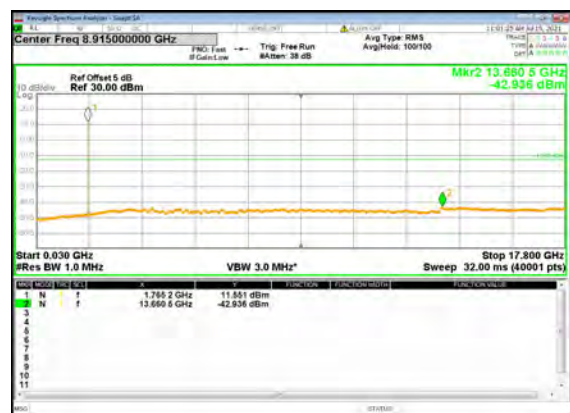
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Left_Mid_CH



N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CH



N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH



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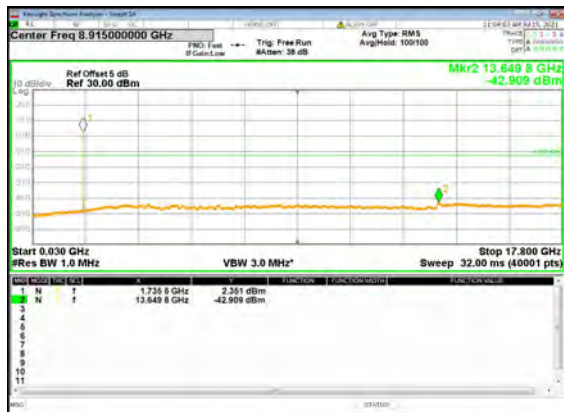
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Left_Low_CH



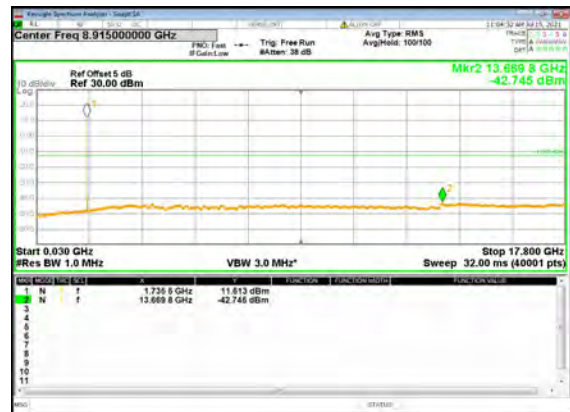
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Low_CH



N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_Mid_CH



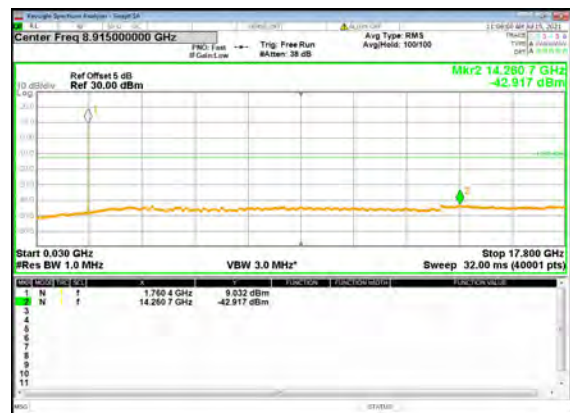
N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_Mid_CH



N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left_High_CH



N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left_High_CH



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2.6. Band Edge

2.6.1. Requirement

N2

According to FCC section 24.238(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.

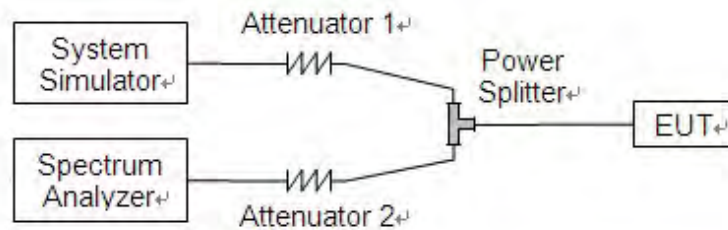
N5

According to FCC 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.

N66

According to FCC section 27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB a 1MHz bandwidth.

2.6.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.6.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



REPORT No.: SZ21100132W10

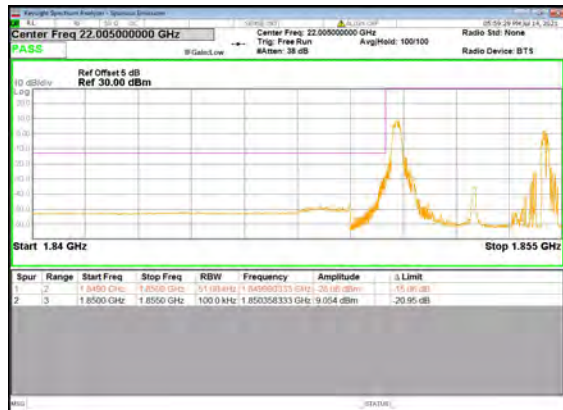
2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

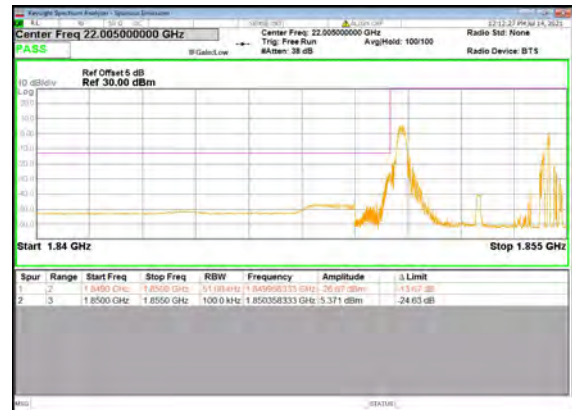


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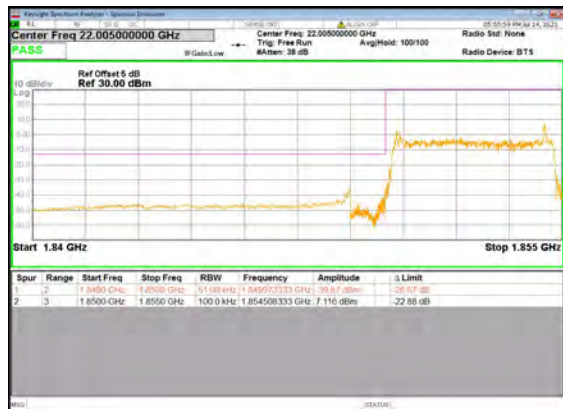
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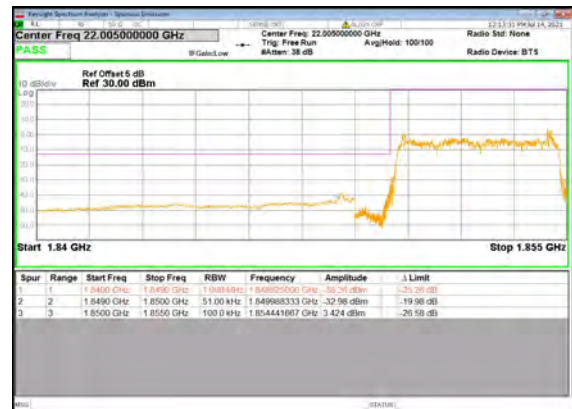
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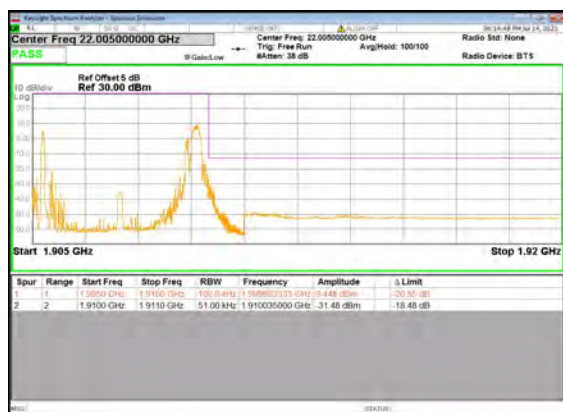
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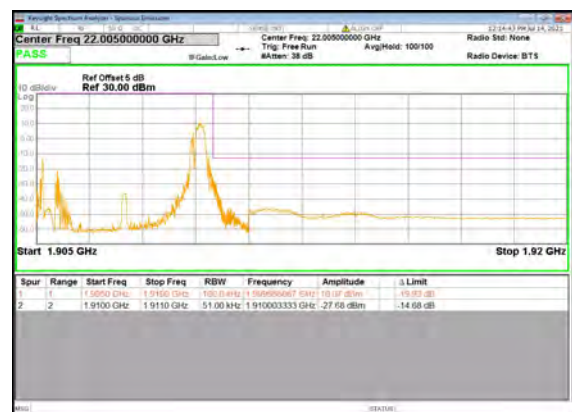
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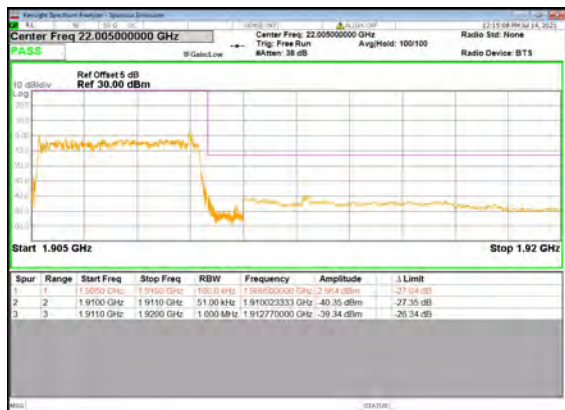


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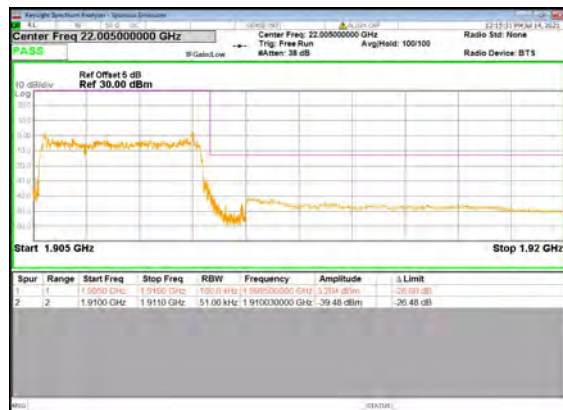




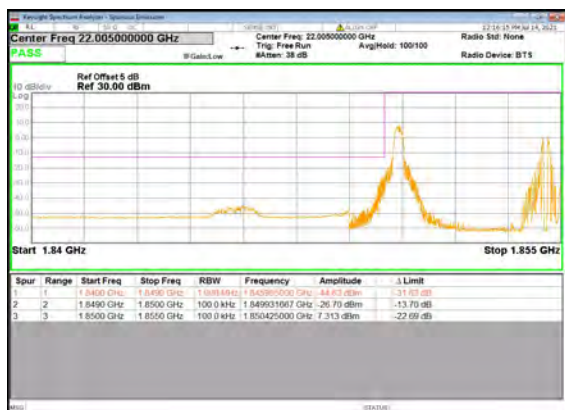
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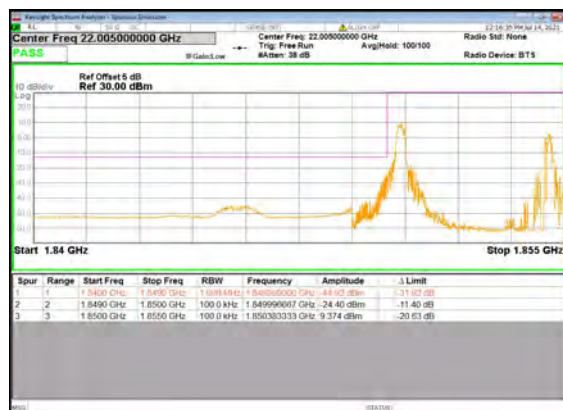
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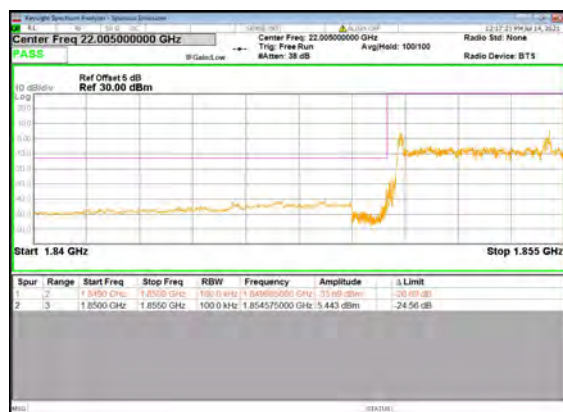
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N2(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

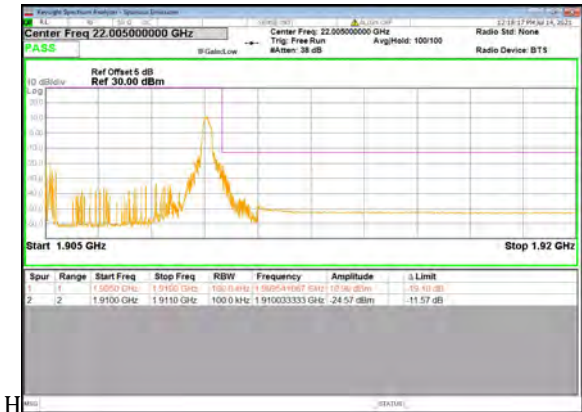
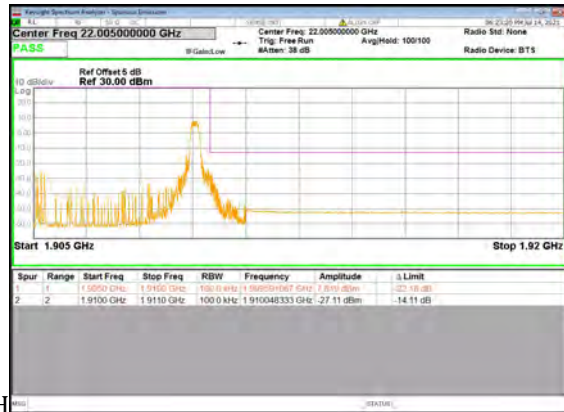




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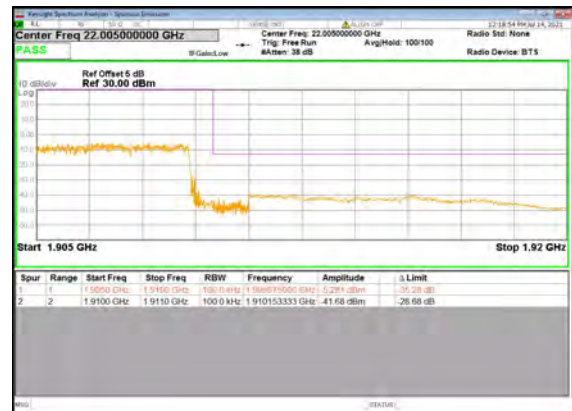
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N2(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



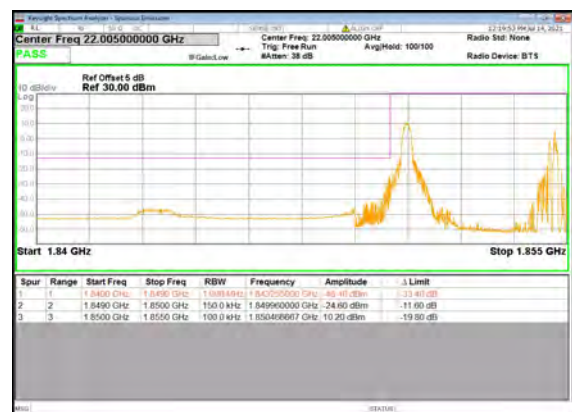
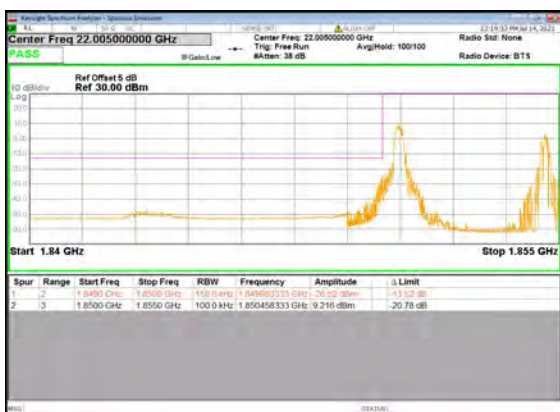
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N2(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

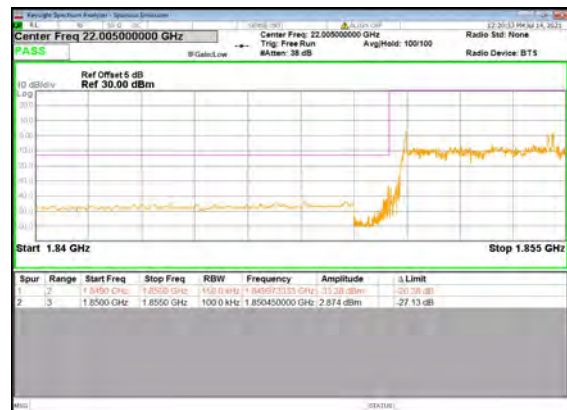




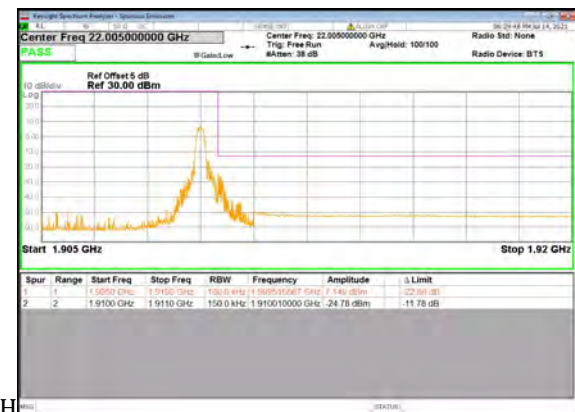
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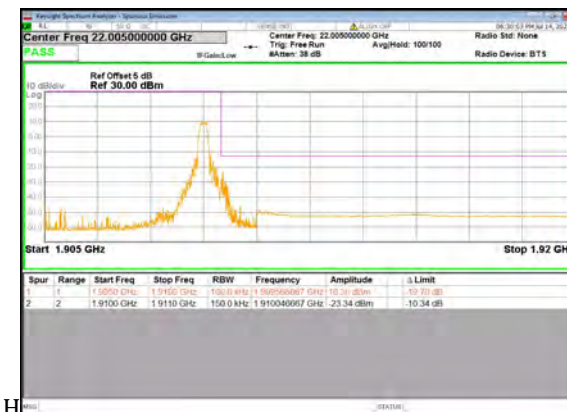
N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N2(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C



N2(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



N2(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N2(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

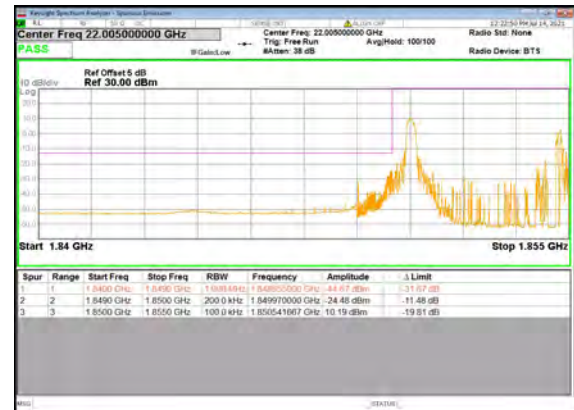
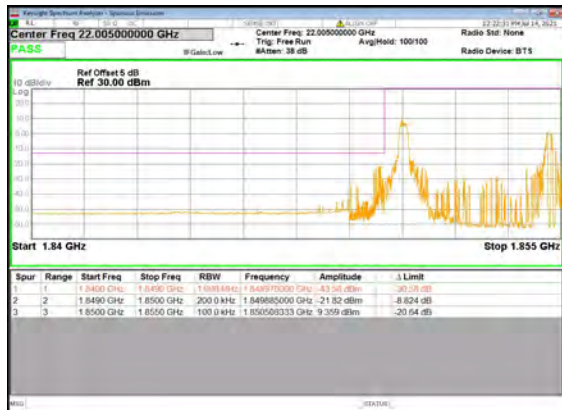




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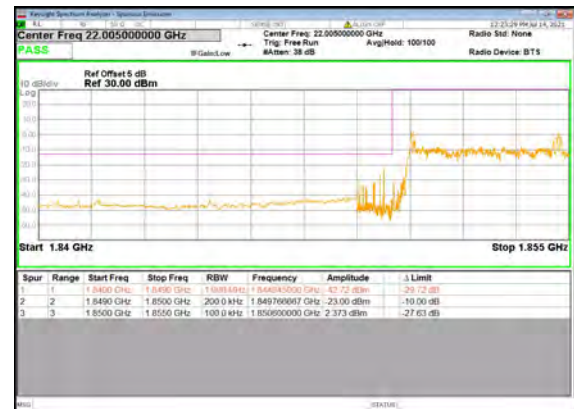
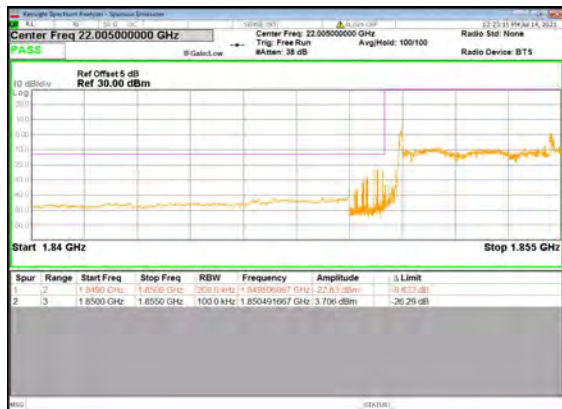
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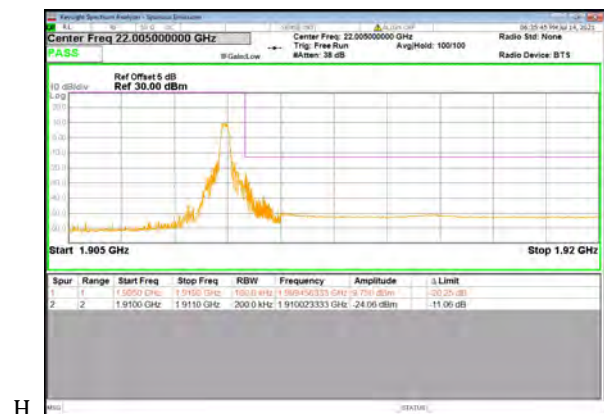
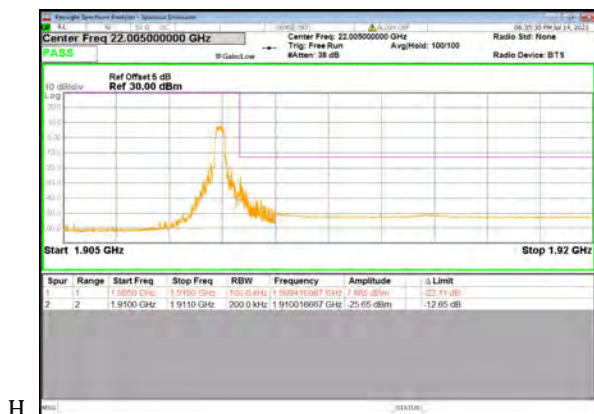
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N2(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N2(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C

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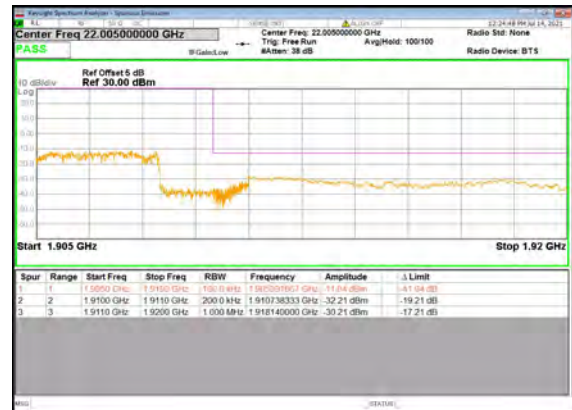




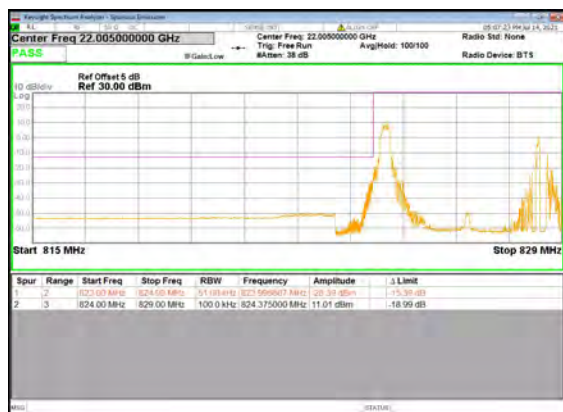
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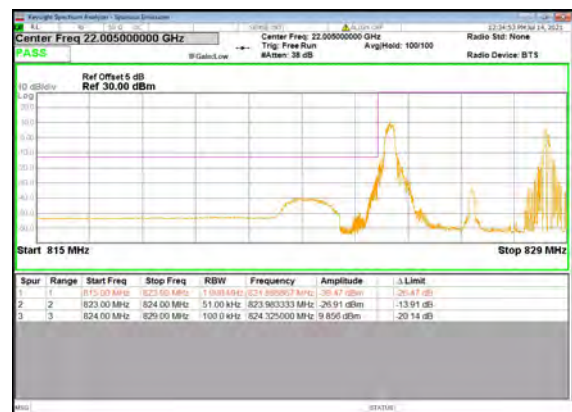
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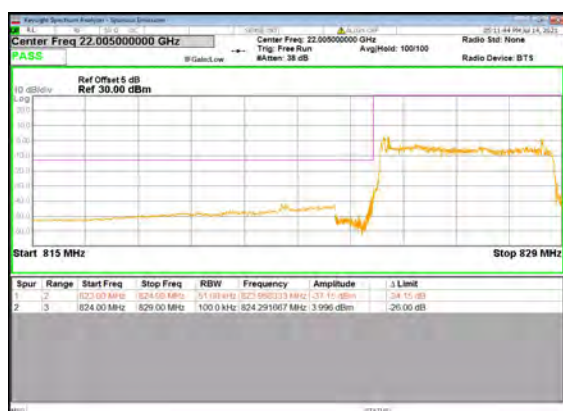
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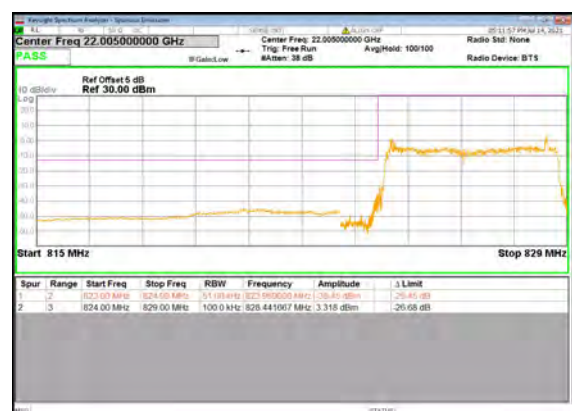
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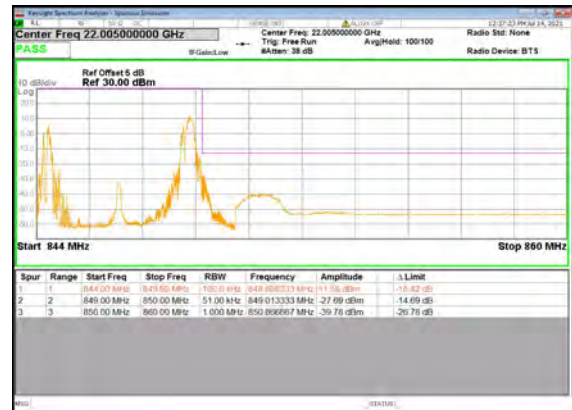
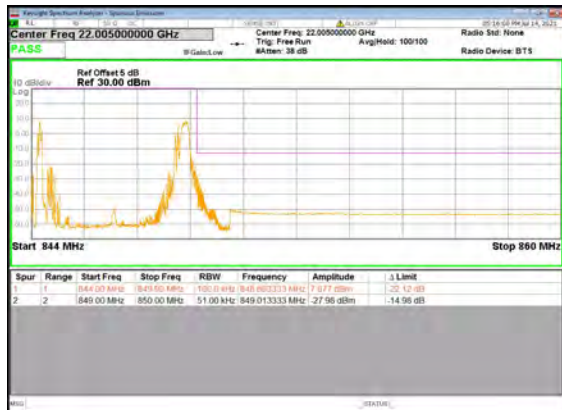


N5(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



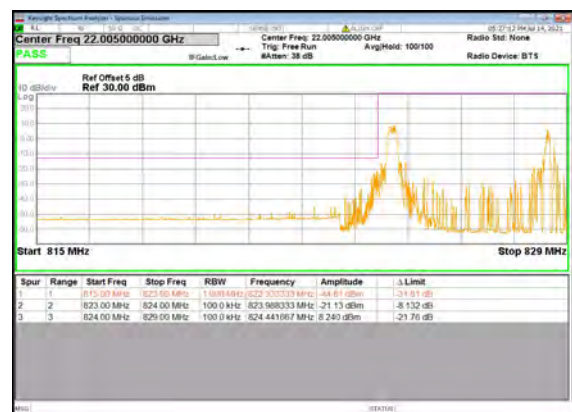
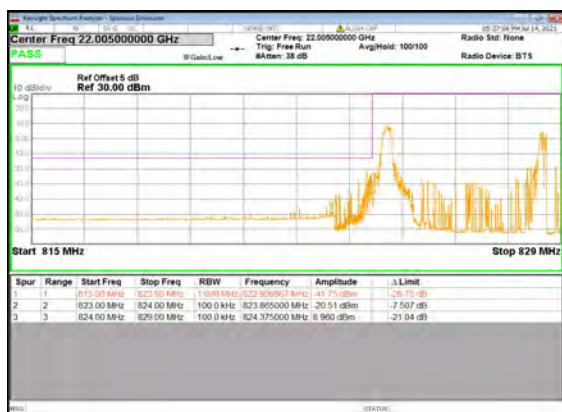
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N5(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

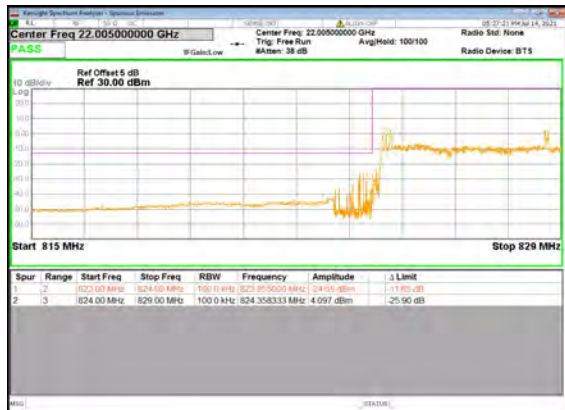


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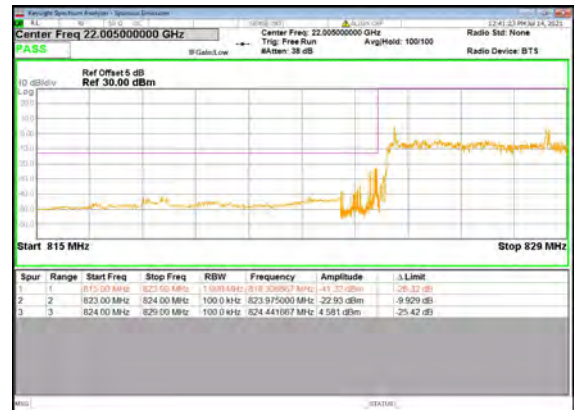




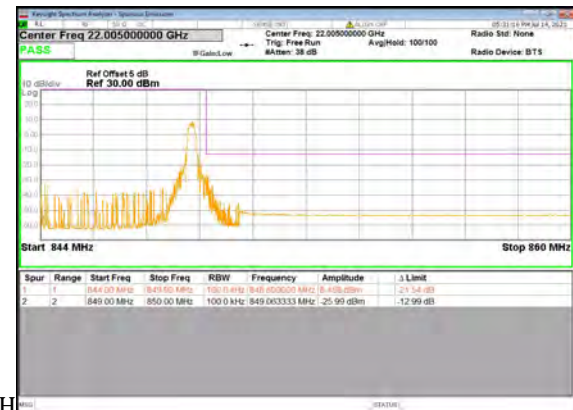
N5(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



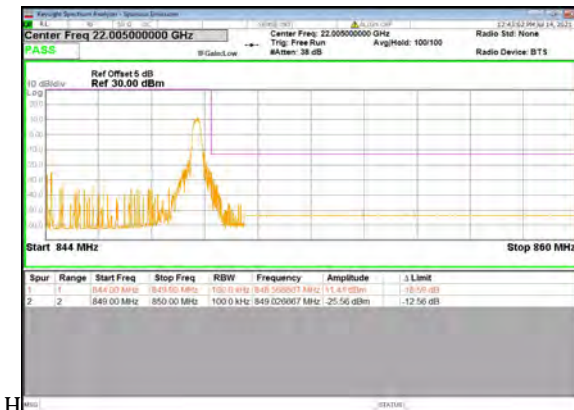
N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C



N5(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



N5(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N5(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

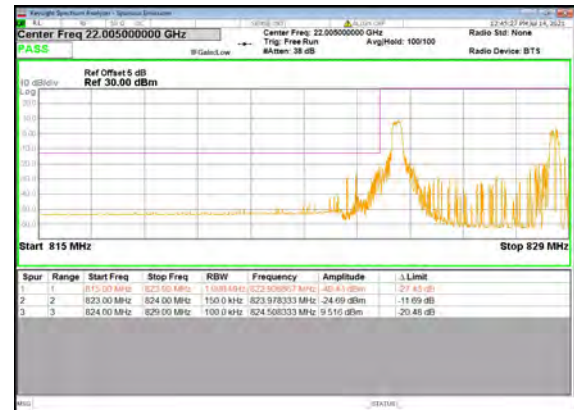
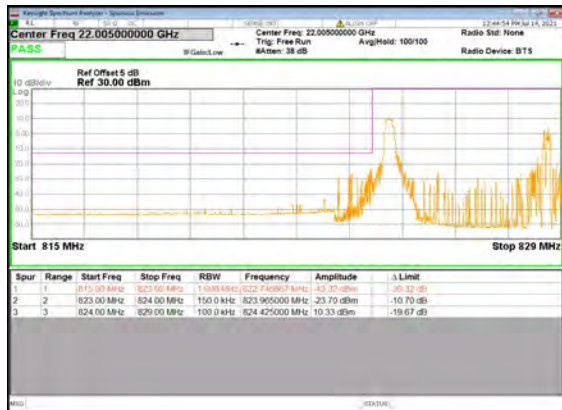




REPORT No.: SZ21100132W10

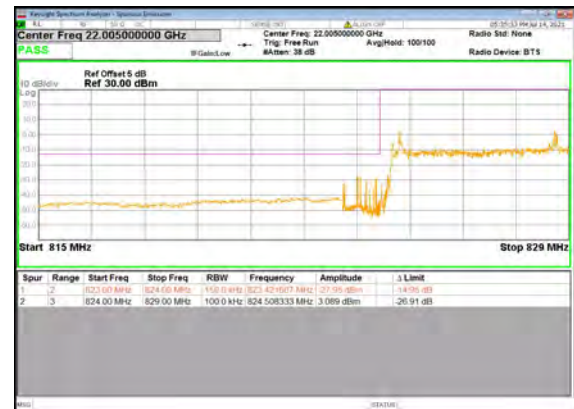
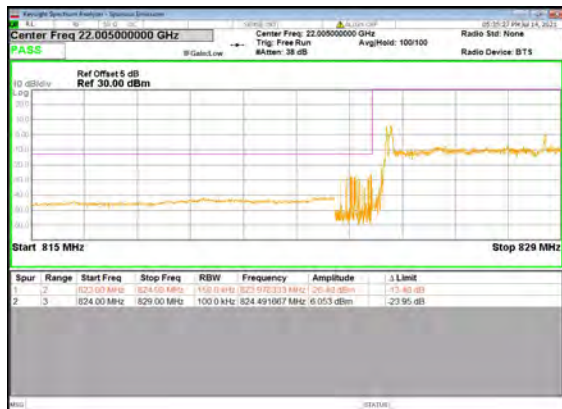
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N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



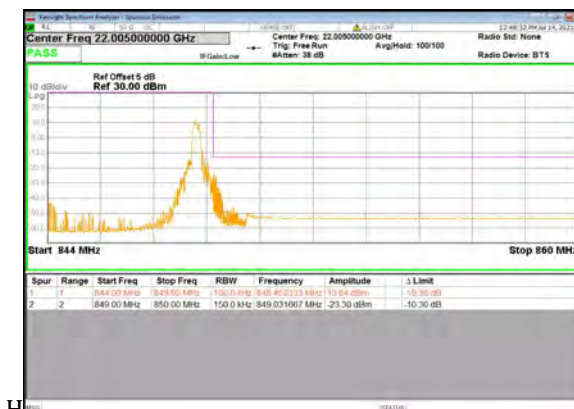
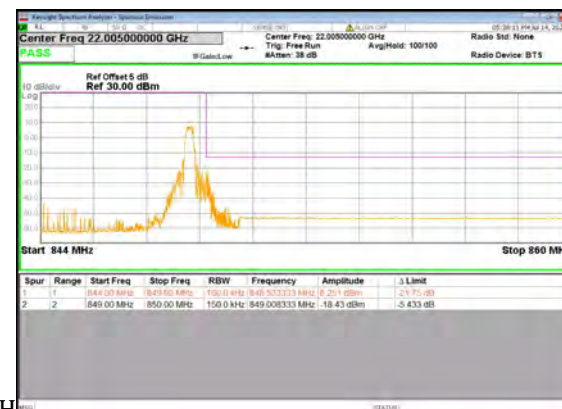
N5(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C

N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



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FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn

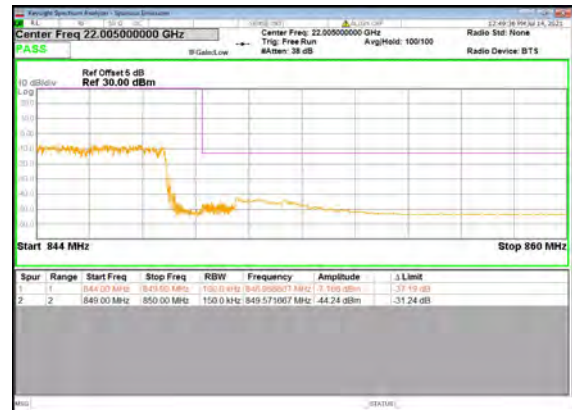


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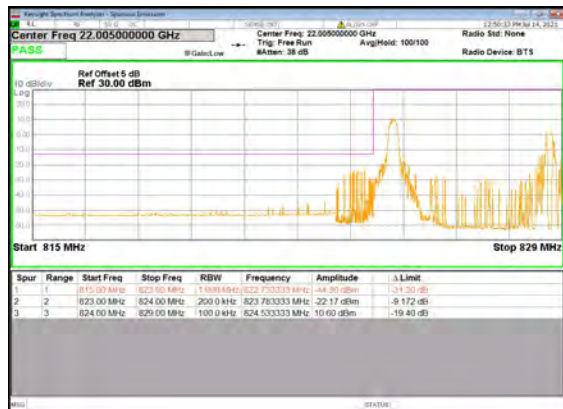
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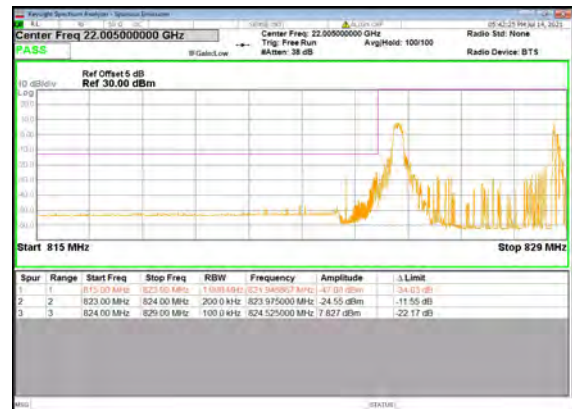
N5(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



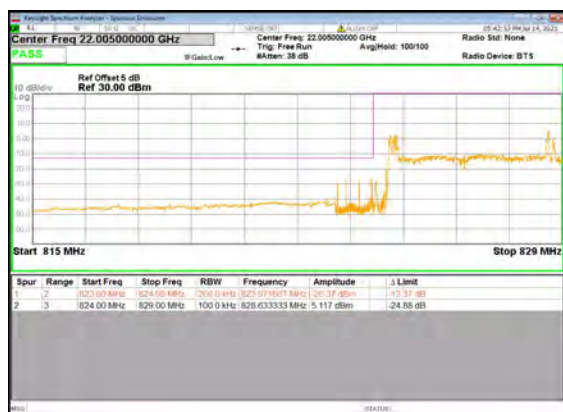
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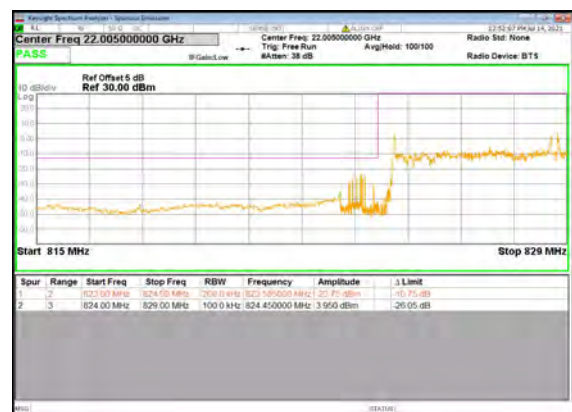
N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N5(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



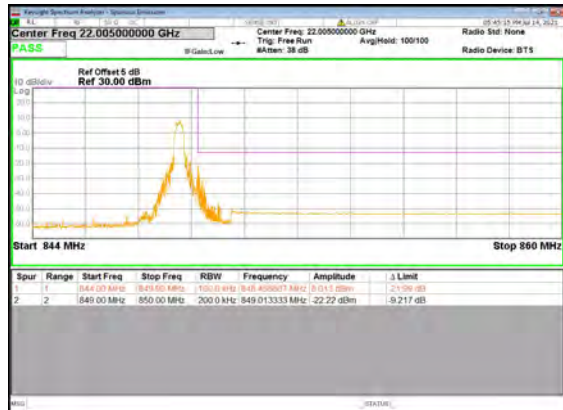
N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





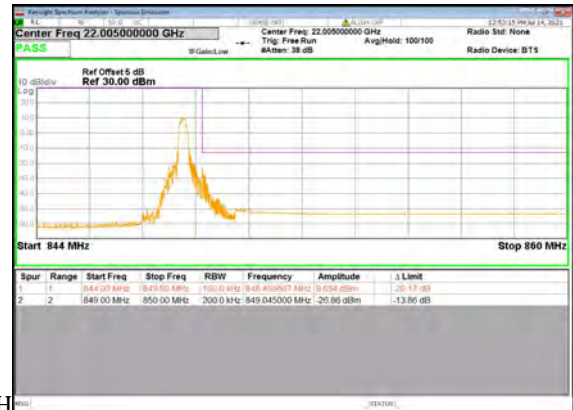
REPORT No.: SZ21100132W10

N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C



H

N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



H

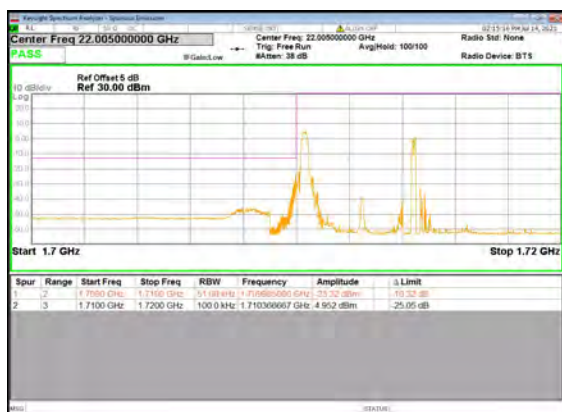
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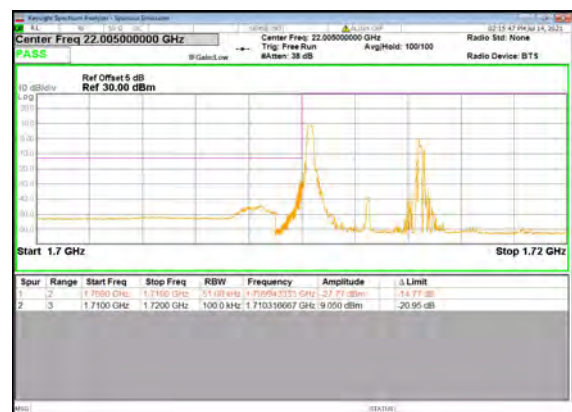
N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

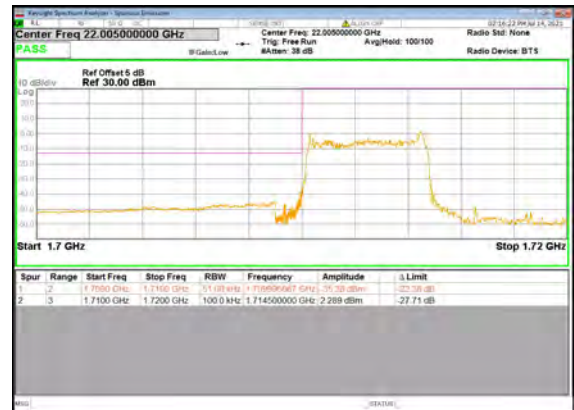




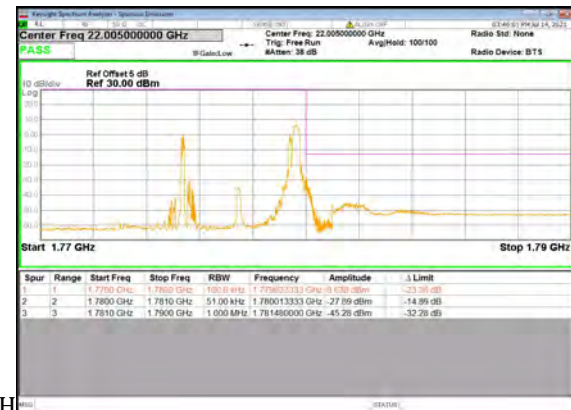
N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



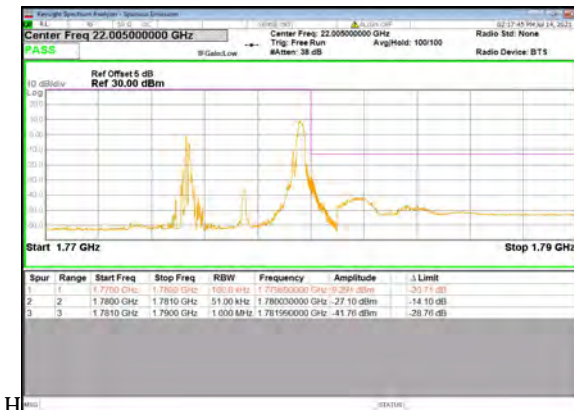
N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_C



N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_C



N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

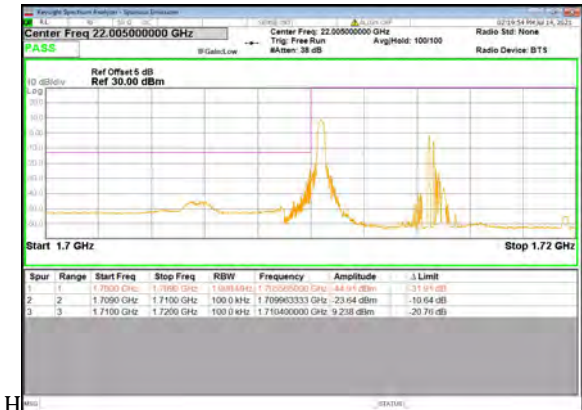
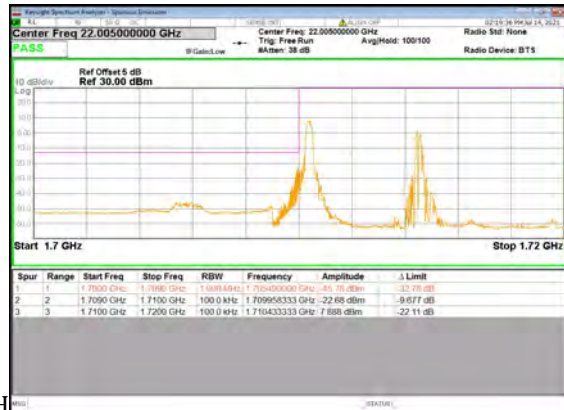




REPORT No.: SZ21100132W10

N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_C

N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_C



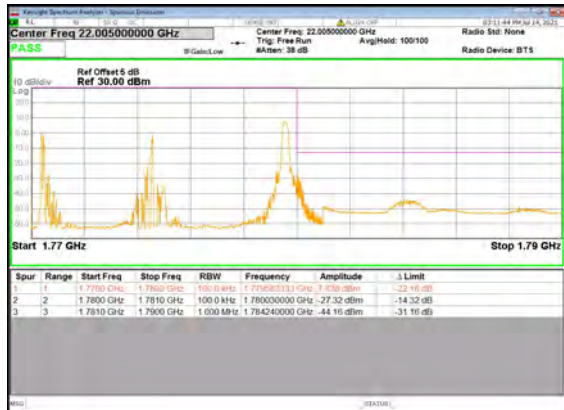
N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



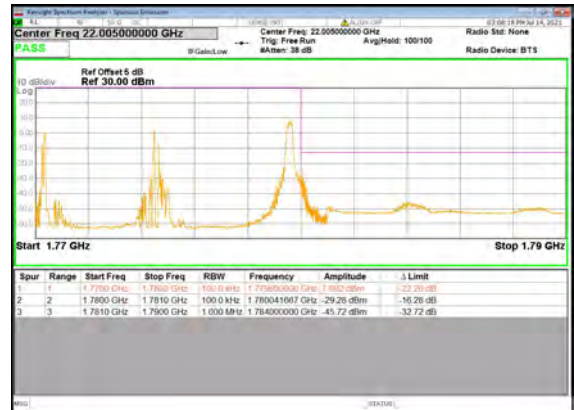


N66(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_



CH

N66(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_

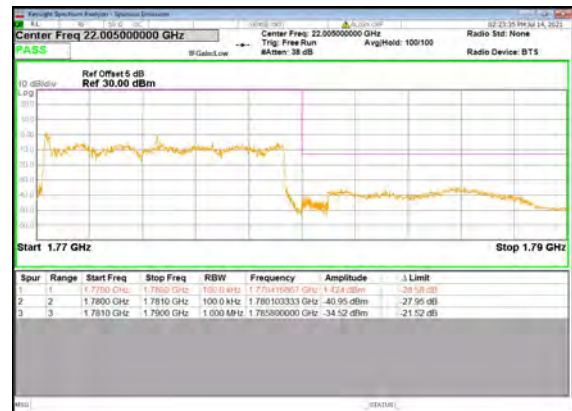


CH

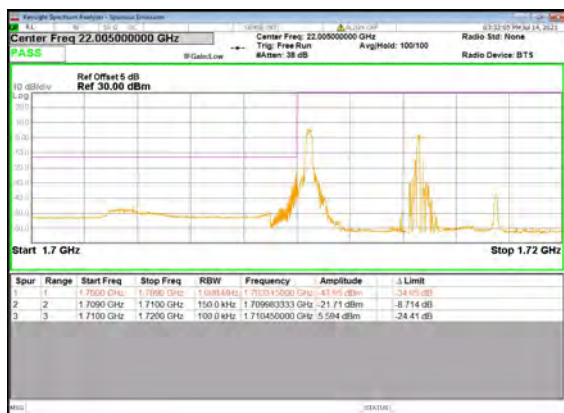
N66(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



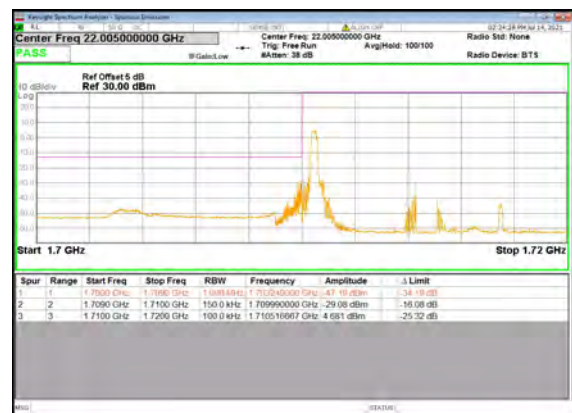
N66(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_ CH



N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_ CH





REPORT No.: SZ21100132W10

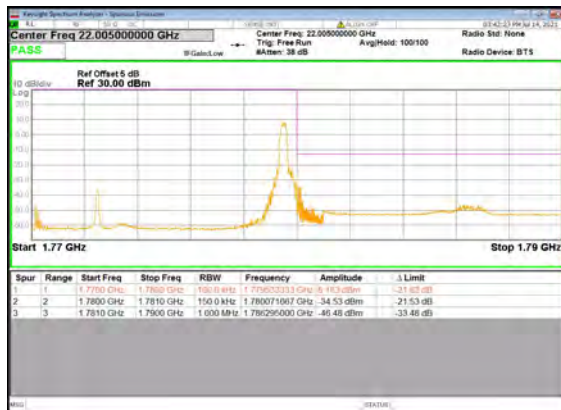
N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

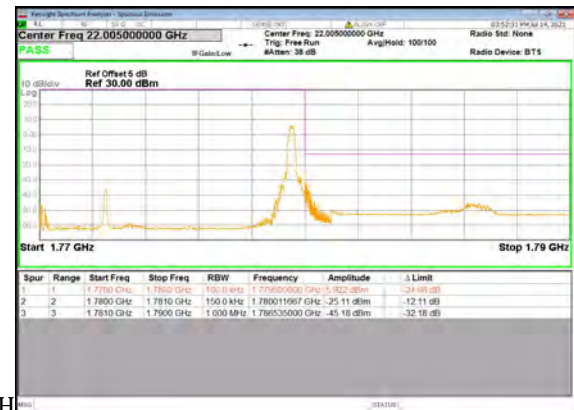


N66(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_



CH

N66(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_



CH

N66(15M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



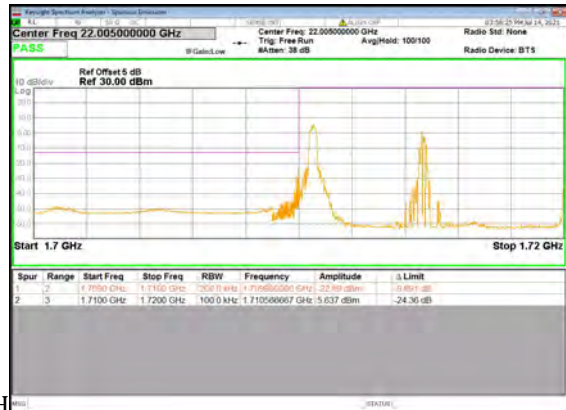
N66(15M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





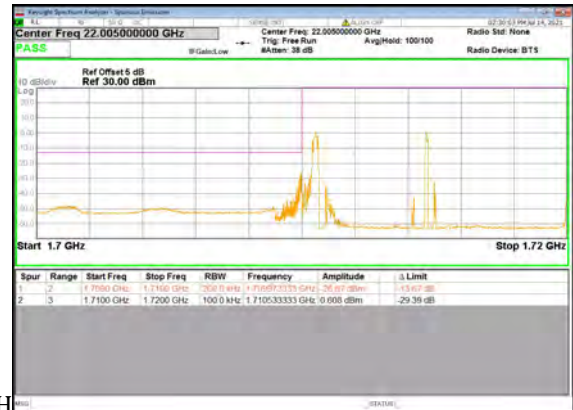
REPORT No.: SZ21100132W10

N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_C



H

N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_C

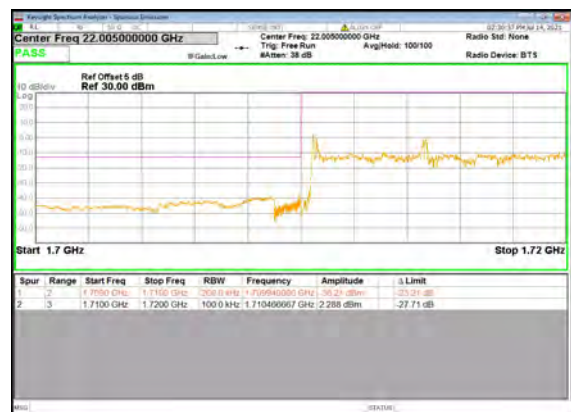


H

N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

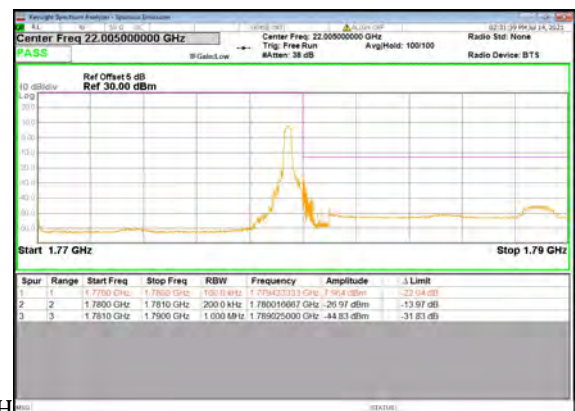


N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_



CH

N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_



CH



REPORT No.: SZ21100132W10

N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

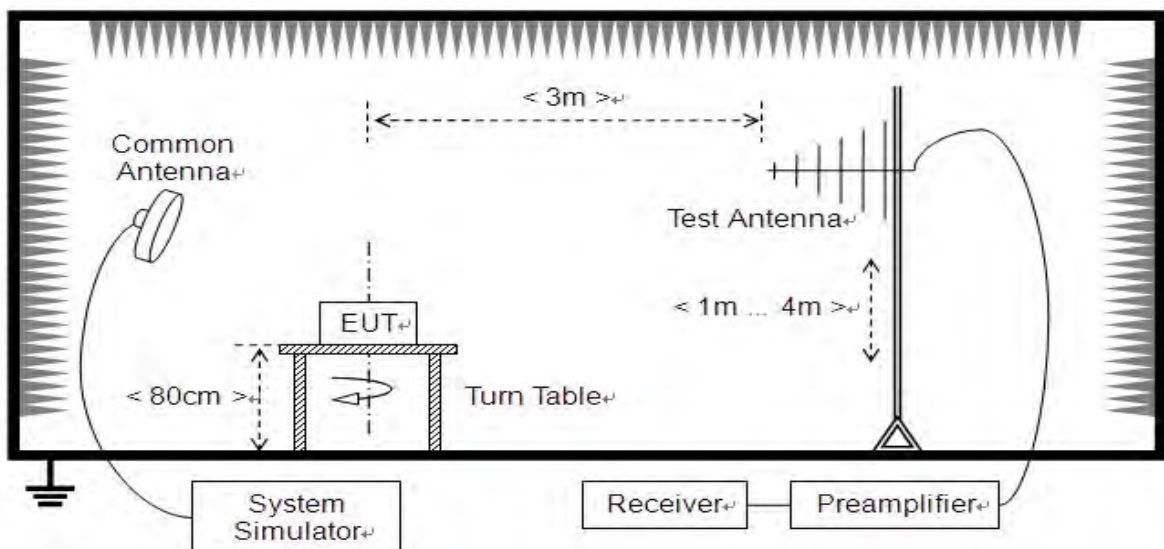


2.7. Radiated Spurious Emissions

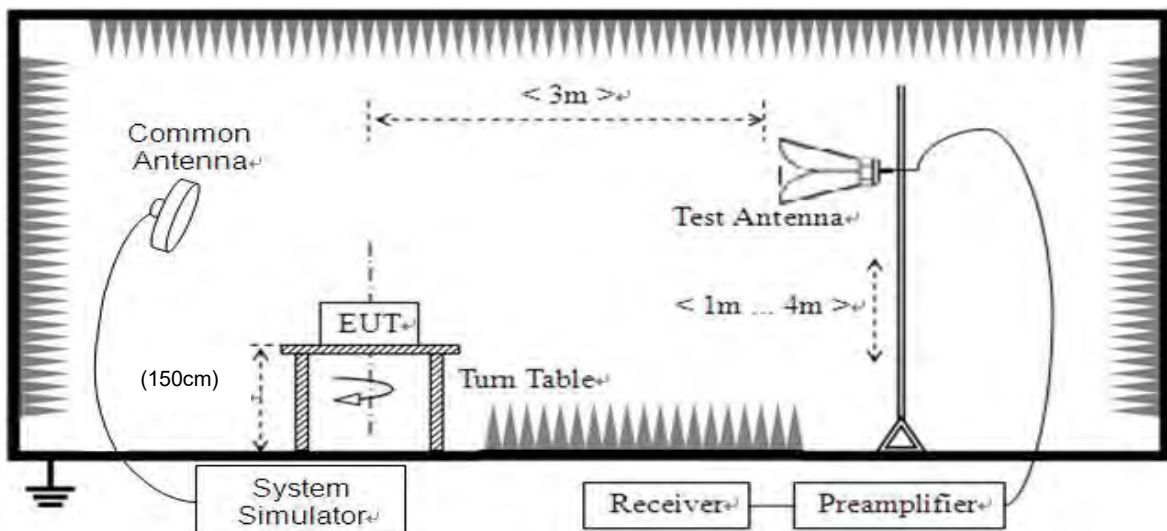
2.7.1. Requirement

According to FCC section 2.1051, 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.

2.7.2. Test Description



(For the test frequency from 30MHz to 1GHz)



(For the test frequency above 1GHz)



The EUT is 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:

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

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

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

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,



$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ 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.

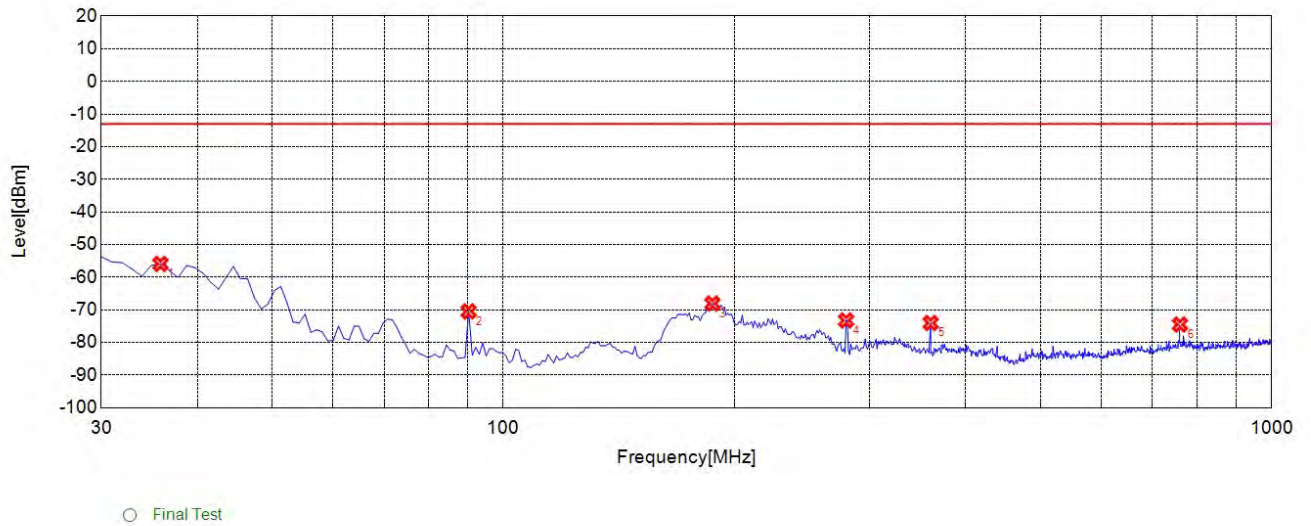
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.



Ant 3

Test Graph

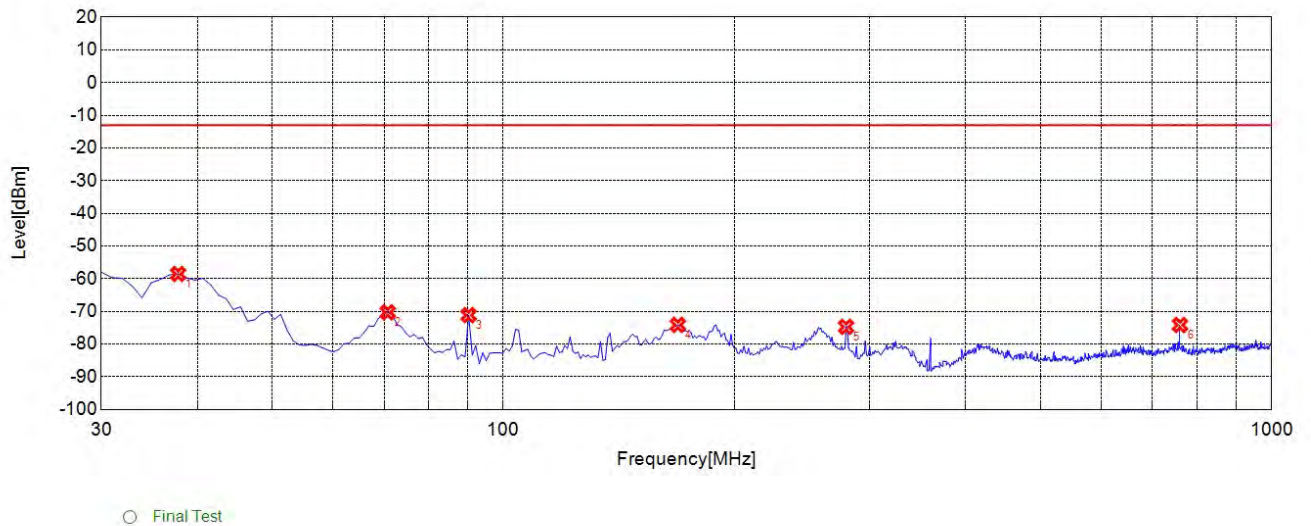


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	35.8260	-55.93	-13.00	42.93	-8.93	-39.57	30.64	114	z	Horizontal
2	90.2000	-70.48	-13.00	57.48	-18.92	-38.71	19.79	23	z	Horizontal
3	187.2970	-68.08	-13.00	55.08	-15.45	-38.10	22.65	180	z	Horizontal
4	279.5400	-73.25	-13.00	60.25	-12.04	-37.04	25.00	156	z	Horizontal
5	360.1300	-74.05	-13.00	61.05	-11.33	-36.73	25.40	286	z	Horizontal
6	760.1700	-74.52	-13.00	61.52	-2.49	-34.21	31.72	159	z	Horizontal

N2 388000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G H (ANT3)

Test Graph

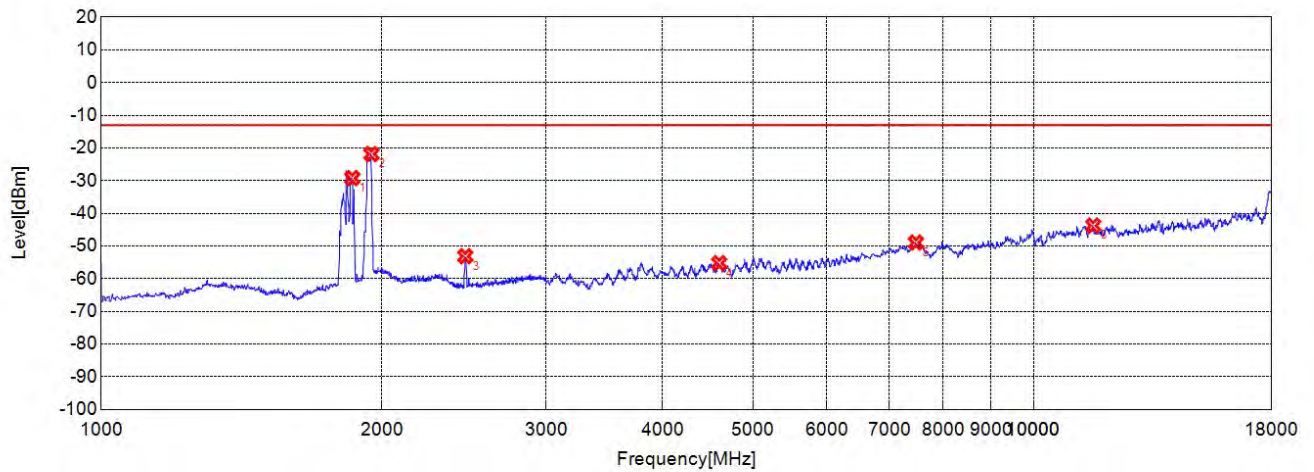


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	37.7680	-58.54	-13.00	45.54	-16.48	-39.56	23.08	114	z	Vertical
2	70.7810	-70.28	-13.00	57.28	-18.39	-39.48	21.09	23	z	Vertical
3	90.2000	-71.15	-13.00	58.15	-16.50	-38.71	22.21	180	z	Vertical
4	168.8490	-74.13	-13.00	61.13	-17.12	-38.15	21.03	156	z	Vertical
5	279.5400	-74.72	-13.00	61.72	-12.54	-37.04	24.50	286	z	Vertical
6	760.1700	-74.16	-13.00	61.16	-2.30	-34.21	31.91	159	z	Vertical

N2 388000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G V (ANT3)

Test Graph



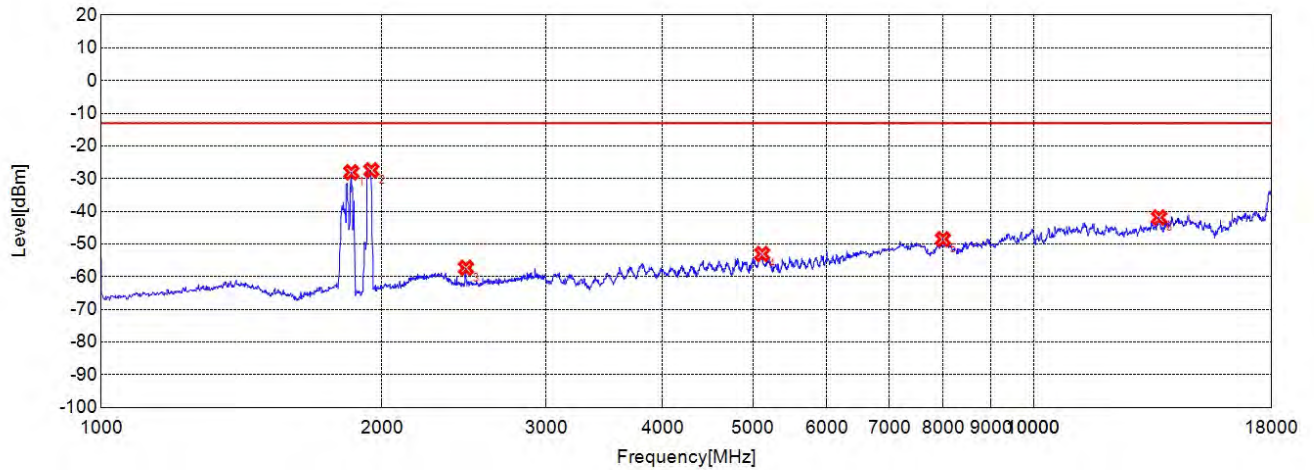
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1858.8590	-29.22	-13.00	16.22	-7.10	-46.67	39.57	31	z	N/A
2	1948.9490	-21.87	-13.00	8.87	-5.12	-46.44	41.32	107	z	N/A
3	2457.4570	-53.14	-13.00	40.14	-10.38	-47.30	36.92	22	z	Horizontal
4	4601.1010	-55.24	-13.00	42.24	-4.93	-45.39	40.46	189	z	Horizontal
5	7478.4780	-48.96	-13.00	35.96	7.65	-38.40	46.05	294	z	Horizontal
6	11588.0880	-43.74	-13.00	30.74	13.80	-36.02	49.82	264	z	Horizontal

N2 388000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz H (ANT3)

Test Graph



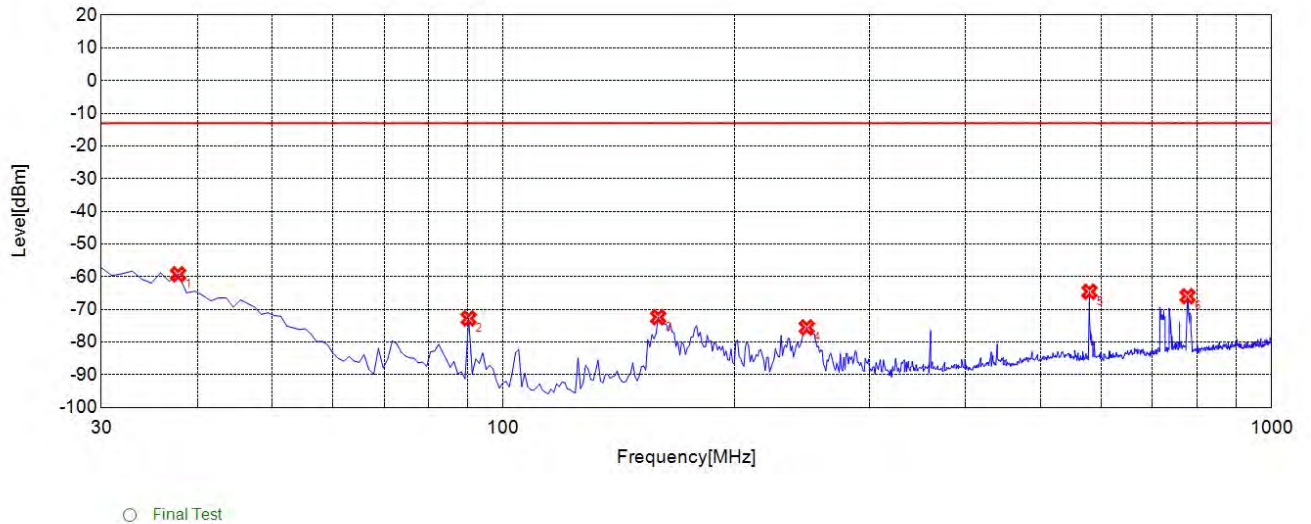
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1854.8550	-28.06	-13.00	15.06	-10.48	-46.67	36.19	213	z	N/A
2	1948.9490	-27.48	-13.00	14.48	-10.58	-46.44	35.86	85	z	N/A
3	2461.4610	-57.3	-13.00	44.30	-10.51	-47.28	36.77	32	z	Vertical
4	5116.1160	-53.06	-13.00	40.06	-2.24	-43.83	41.59	121	z	Vertical
5	7996.4960	-48.53	-13.00	35.53	8.22	-37.67	45.89	88	z	Vertical
6	13637.1370	-41.92	-13.00	28.92	19.53	-30.29	49.82	104	z	Vertical

N2 388000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz V (ANT3)

Test Graph

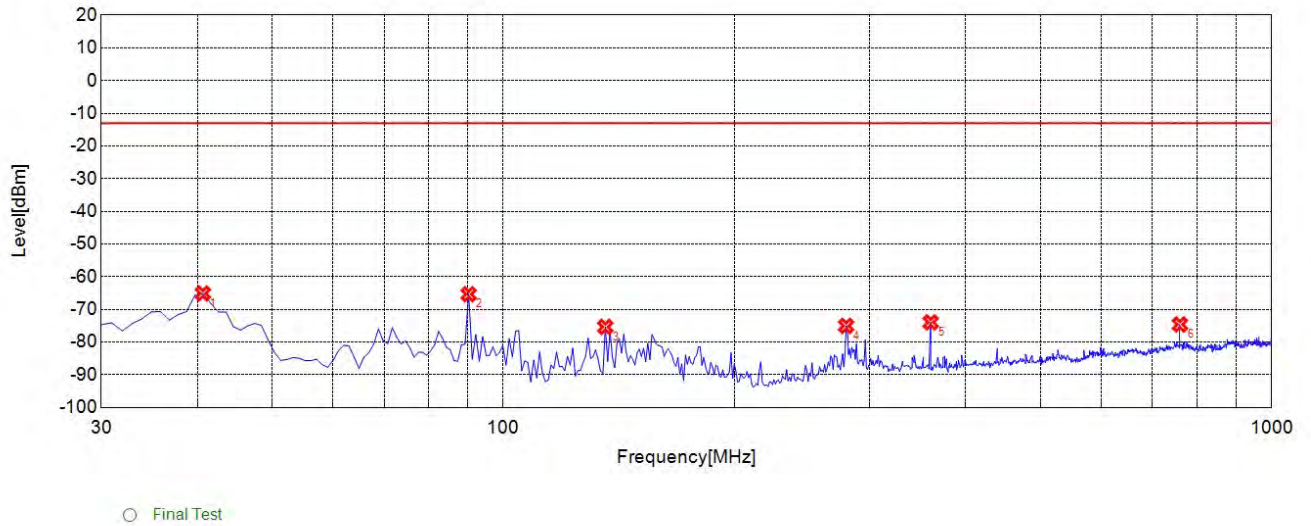


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	37.7680	-59.27	-13.00	46.27	-8.07	-39.56	31.49	155	z	Horizontal
2	90.2000	-72.77	-13.00	59.77	-18.92	-38.71	19.79	112	z	Horizontal
3	159.1390	-72.38	-13.00	59.38	-19.75	-38.41	18.66	51	z	Horizontal
4	248.4680	-75.53	-13.00	62.53	-12.30	-37.69	25.39	124	z	Horizontal
5	579.5700	-64.58	-13.00	51.58	-6.14	-34.88	28.74	22	z	Horizontal
6	777.6480	-65.98	-13.00	52.98	-3.07	-34.22	31.15	220	z	Horizontal

N2 392000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G H (ANT3)

Test Graph

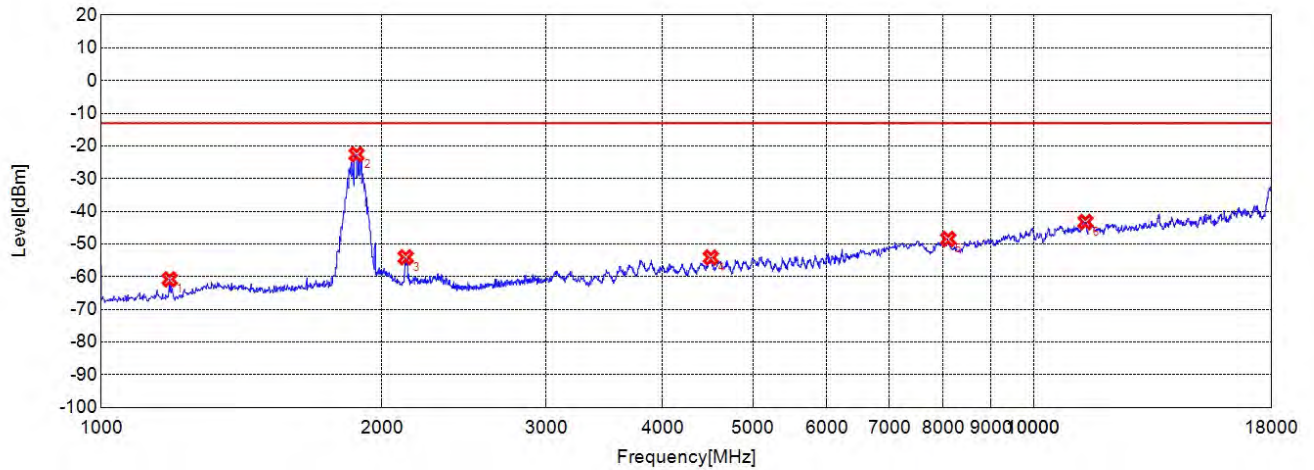


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	40.6810	-65.14	-13.00	52.14	-16.24	-39.53	23.29	105	z	Vertical
2	90.2000	-65.36	-13.00	52.36	-16.50	-38.71	22.21	156	z	Vertical
3	135.8360	-75.36	-13.00	62.36	-15.86	-38.55	22.69	26	z	Vertical
4	279.5400	-75.04	-13.00	62.04	-12.54	-37.04	24.50	248	z	Vertical
5	360.1300	-73.97	-13.00	60.97	-10.88	-36.73	25.85	197	z	Vertical
6	760.1700	-74.61	-13.00	61.61	-2.30	-34.21	31.91	197	z	Vertical

N2 392000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G V (ANT3)

Test Graph



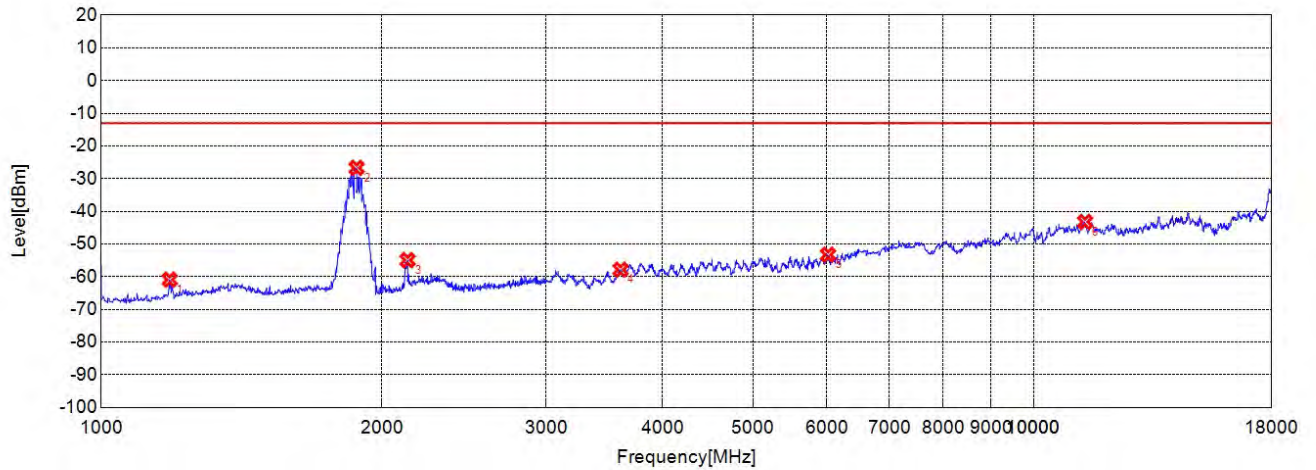
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1184.1840	-60.79	-13.00	47.79	-11.35	-45.77	34.42	188	z	Horizontal
2	1878.8790	-22.6	-13.00	9.60	-6.62	-46.71	40.09	196	z	N/A
3	2121.1210	-54.06	-13.00	41.06	-8.22	-47.08	38.86	84	z	Horizontal
4	4506.5070	-54.12	-13.00	41.12	-5.25	-45.66	40.41	160	z	Horizontal
5	8100.1000	-48.48	-13.00	35.48	8.33	-37.65	45.98	144	z	Horizontal
6	11369.3690	-43.27	-13.00	30.27	13.56	-35.73	49.29	240	z	Horizontal

N2 392000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz H (ANT3)

Test Graph



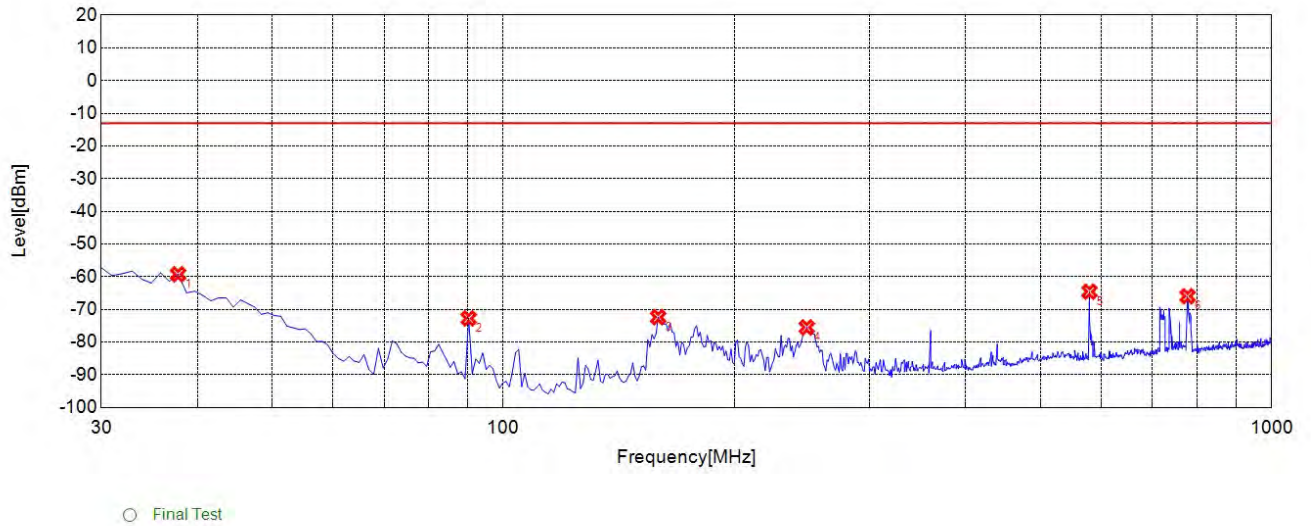
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1184.1840	-60.91	-13.00	47.91	-10.86	-45.77	34.91	40	z	Vertical
2	1878.8790	-26.71	-13.00	13.71	-10.91	-46.71	35.80	189	z	N/A
3	2131.1310	-54.93	-13.00	41.93	-9.23	-46.95	37.72	185	z	Vertical
4	3606.1060	-57.87	-13.00	44.87	-8.27	-46.98	38.71	223	z	Vertical
5	6020.0200	-53.29	-13.00	40.29	-1.22	-42.53	41.31	145	z	Vertical
6	11357.8580	-43.25	-13.00	30.25	13.53	-35.62	49.15	94	z	Vertical

N2 392000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz V (ANT3)

Test Graph

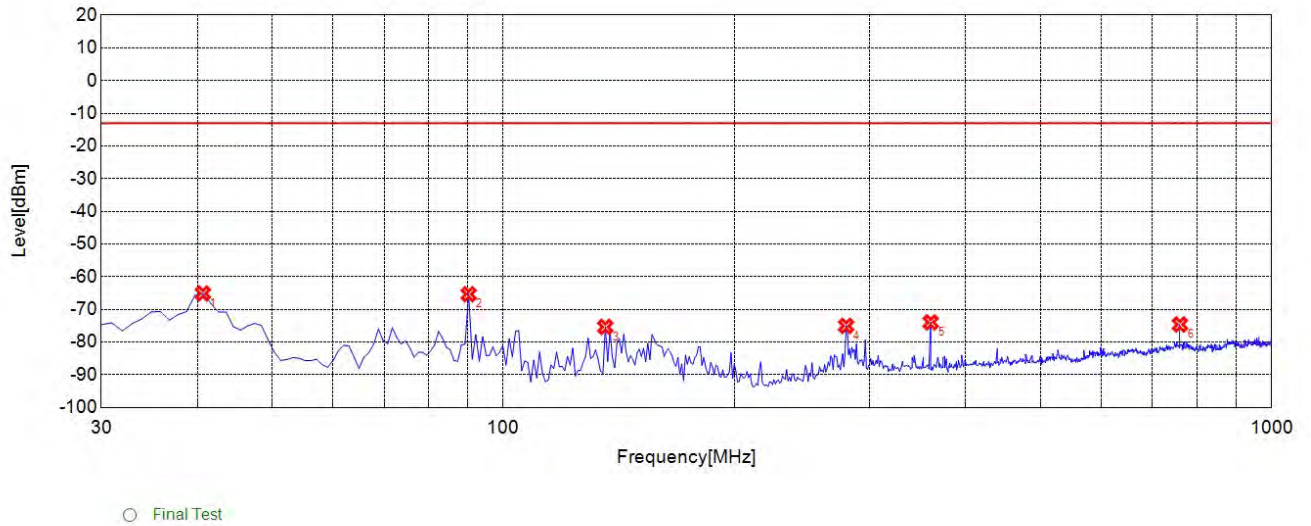


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	37.7680	-59.27	-13.00	46.27	-8.07	-39.56	31.49	280	z	Horizontal
2	90.2000	-72.77	-13.00	59.77	-18.92	-38.71	19.79	227	z	Horizontal
3	159.1390	-72.38	-13.00	59.38	-19.75	-38.41	18.66	163	z	Horizontal
4	248.4680	-75.53	-13.00	62.53	-12.30	-37.69	25.39	82	z	Horizontal
5	579.5700	-64.58	-13.00	51.58	-6.14	-34.88	28.74	80	z	Horizontal
6	777.6480	-65.98	-13.00	52.98	-3.07	-34.22	31.15	40	z	Horizontal

N2 396000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G H (ANT3)

Test Graph

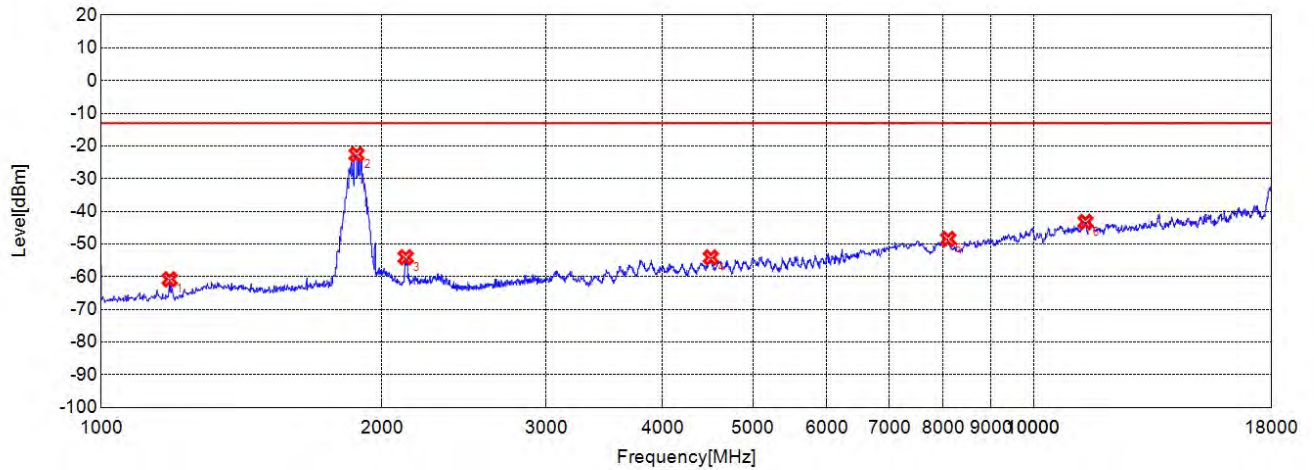


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	40.6810	-65.14	-13.00	52.14	-16.24	-39.53	23.29	148	z	Vertical
2	90.2000	-65.36	-13.00	52.36	-16.50	-38.71	22.21	158	z	Vertical
3	135.8360	-75.36	-13.00	62.36	-15.86	-38.55	22.69	55	z	Vertical
4	279.5400	-75.04	-13.00	62.04	-12.54	-37.04	24.50	170	z	Vertical
5	360.1300	-73.97	-13.00	60.97	-10.88	-36.73	25.85	32	z	Vertical
6	760.1700	-74.61	-13.00	61.61	-2.30	-34.21	31.91	255	z	Vertical

N2 396000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz 30M-1G V (ANT3)

Test Graph



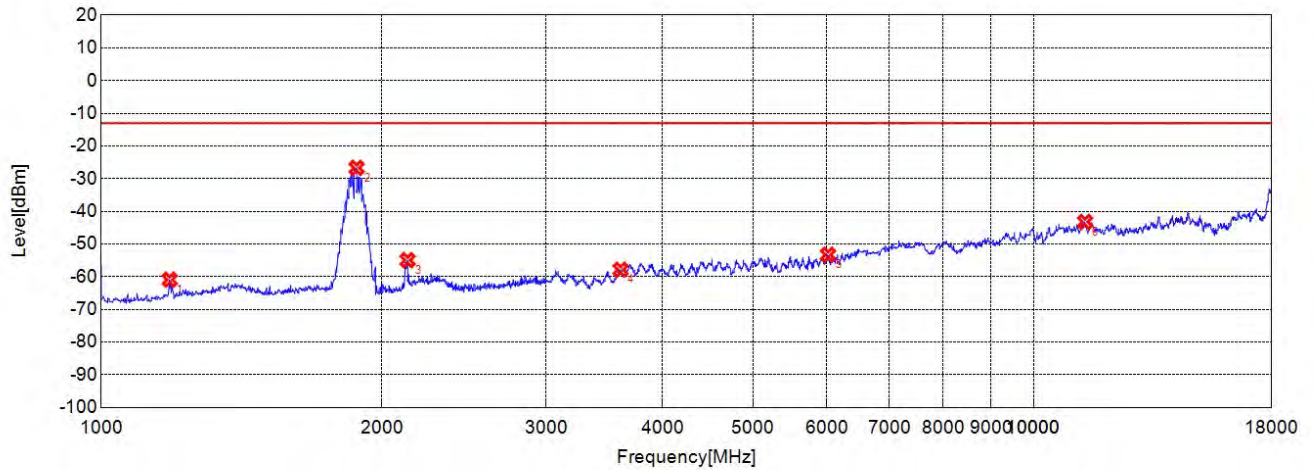
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1184.1840	-60.79	-13.00	47.79	-11.35	-45.77	34.42	216	z	Horizontal
2	1878.8790	-22.6	-13.00	9.60	-6.62	-46.71	40.09	273	z	N/A
3	2121.1210	-54.06	-13.00	41.06	-8.22	-47.08	38.86	266	z	Horizontal
4	4506.5070	-54.12	-13.00	41.12	-5.25	-45.66	40.41	101	z	Horizontal
5	8100.1000	-48.48	-13.00	35.48	8.33	-37.65	45.98	68	z	Horizontal
6	11369.3690	-43.27	-13.00	30.27	13.56	-35.73	49.29	102	z	Horizontal

N2 396000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz H (ANT3)

Test Graph



○ Final Test

Suspected List

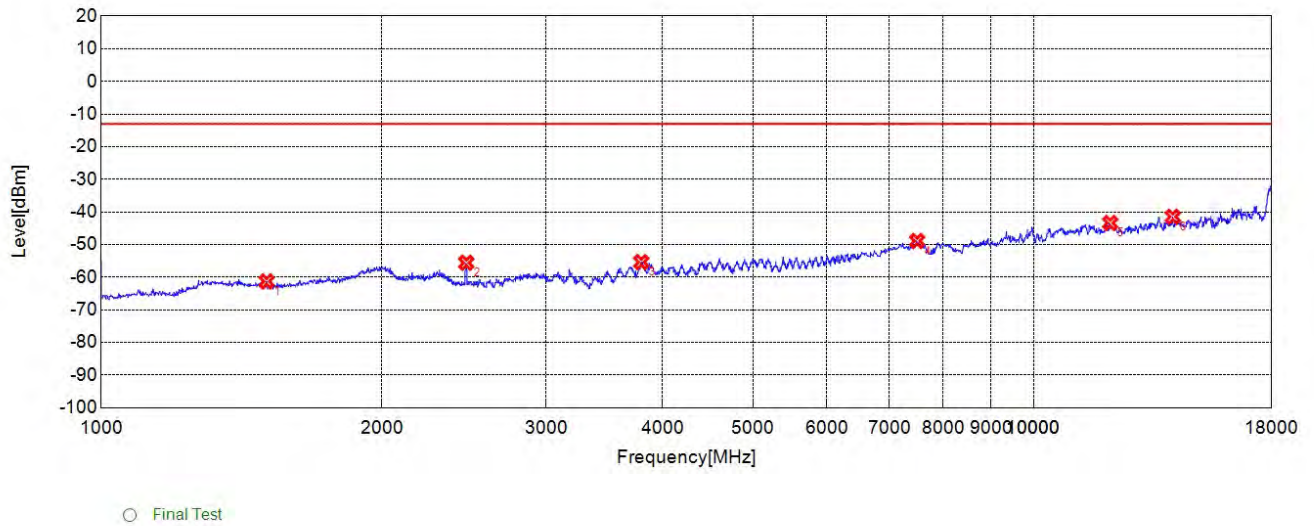
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1184.1840	-60.91	-13.00	47.91	-10.86	-45.77	34.91	80	z	Vertical
2	1878.8790	-26.71	-13.00	13.71	-10.91	-46.71	35.80	247	z	N/A
3	2131.1310	-54.93	-13.00	41.93	-9.23	-46.95	37.72	230	z	Vertical
4	3606.1060	-57.87	-13.00	44.87	-8.27	-46.98	38.71	288	z	Vertical
5	6020.0200	-53.29	-13.00	40.29	-1.22	-42.53	41.31	30	z	Vertical
6	11357.8580	-43.25	-13.00	30.25	13.53	-35.62	49.15	229	z	Vertical

N2 396000 20M DFT-s-OFDM QPSK RB Size-50 RB Offset-25 SCS 15KHz V (ANT3)



Ant 0

Test Graph

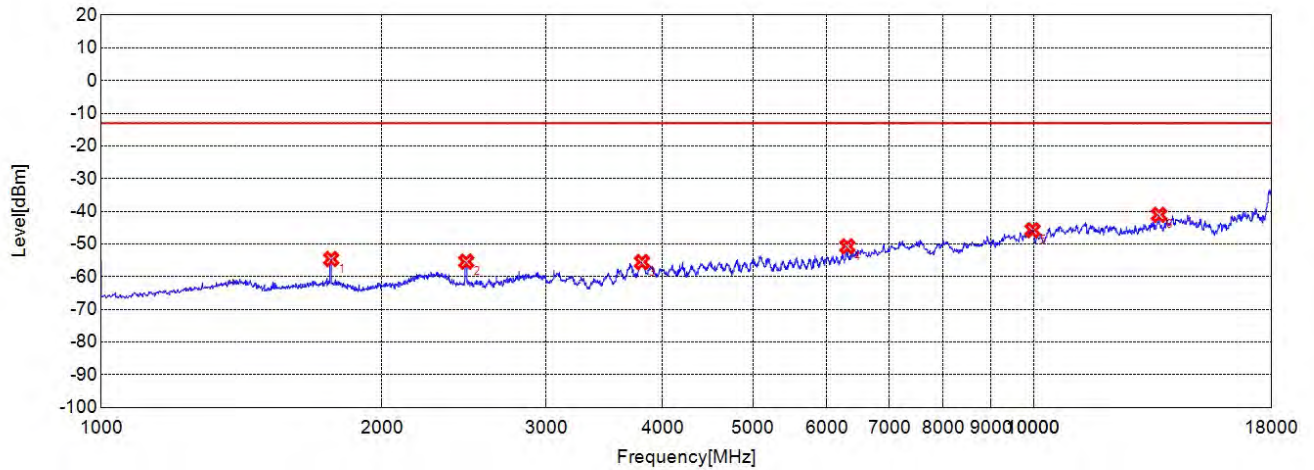


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1504.5050	-61.31	-13.00	48.31	-9.74	-45.85	36.11	100	z	Horizontal
2	2463.4630	-55.59	-13.00	42.59	-10.39	-47.28	36.89	222	z	Horizontal
3	3795.2950	-55.38	-13.00	42.38	-6.65	-46.11	39.46	97	z	Horizontal
4	7501.5020	-48.91	-13.00	35.91	8.10	-38.09	46.19	299	z	Horizontal
5	12083.0830	-43.4	-13.00	30.40	14.92	-34.56	49.48	257	z	Horizontal
6	14109.1090	-41.49	-13.00	28.49	19.80	-30.26	50.06	154	z	Horizontal

N5 167300 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G H ANT0

Test Graph



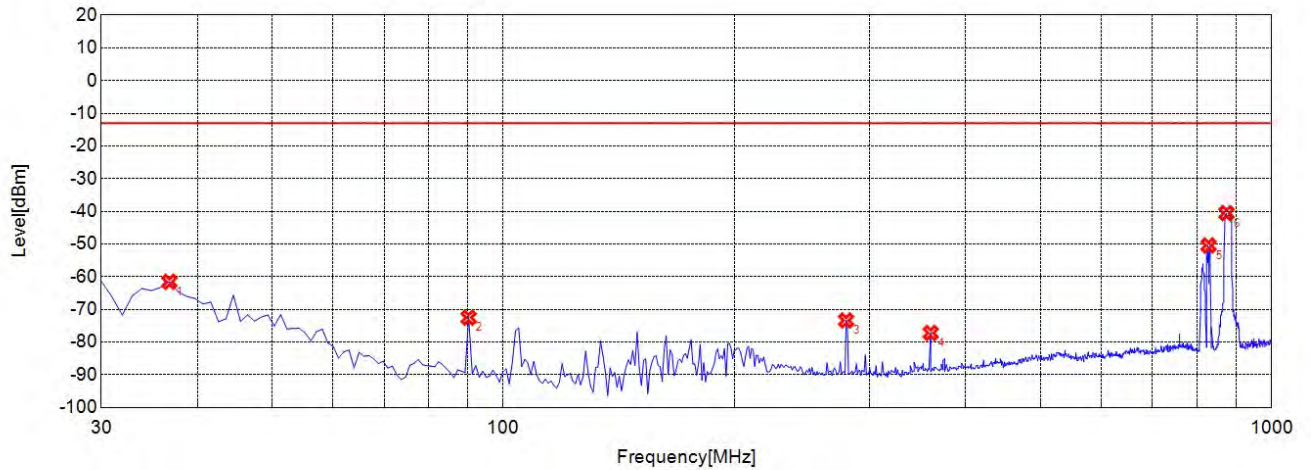
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1764.7650	-54.59	-13.00	41.59	-9.26	-46.28	37.02	159	z	Vertical
2	2463.4630	-55.37	-13.00	42.37	-10.52	-47.28	36.76	146	z	Vertical
3	3802.3020	-55.53	-13.00	42.53	-6.93	-46.00	39.07	96	z	Vertical
4	6314.3140	-50.73	-13.00	37.73	-0.08	-42.31	42.23	299	z	Vertical
5	9976.4760	-45.75	-13.00	32.75	11.72	-36.76	48.48	119	z	Vertical
6	13637.1370	-41.08	-13.00	28.08	19.53	-30.29	49.82	37	z	Vertical

N5 167300 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G V ANT0

Test Graph



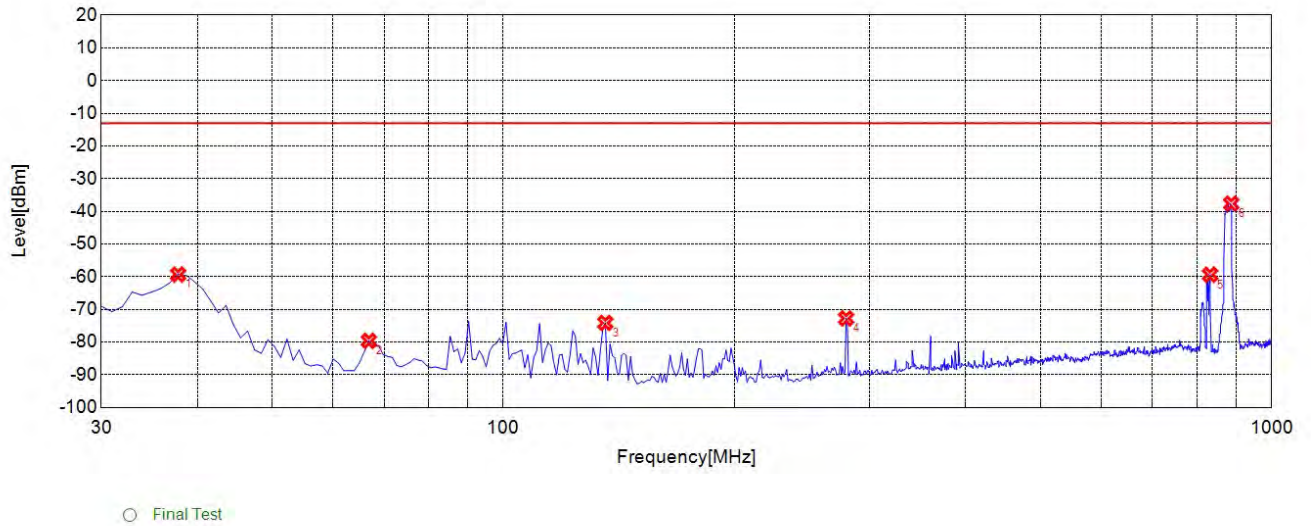
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	36.7970	-61.57	-13.00	48.57	-8.51	-39.57	31.06	173	z	Horizontal
2	90.2000	-72.53	-13.00	59.53	-18.92	-38.71	19.79	263	z	Horizontal
3	279.5400	-73.38	-13.00	60.38	-12.04	-37.04	25.00	189	z	Horizontal
4	360.1300	-77.22	-13.00	64.22	-11.33	-36.73	25.40	47	z	Horizontal
5	828.1380	-50.45	-13.00	37.45	-2.86	-34.16	31.30	40	z	N/A
6	873.7740	-40.56	-13.00	27.56	-2.18	-34.03	31.85	192	z	N/A

N5 167300 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz H ANT0

Test Graph

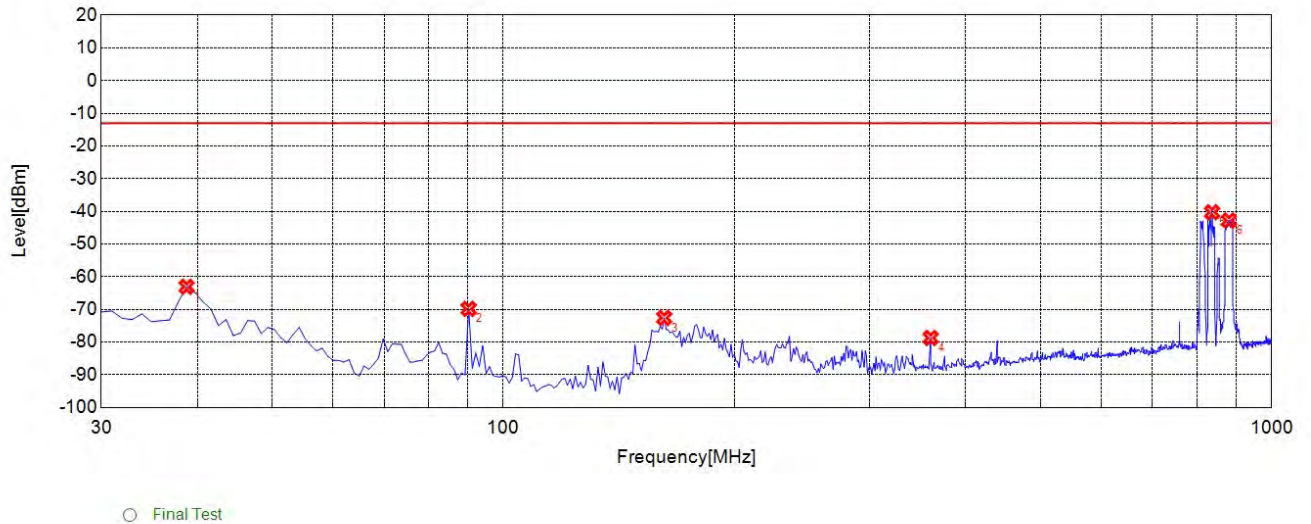


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	37.7680	-59.34	-13.00	46.34	-16.48	-39.56	23.08	266	z	Vertical
2	66.8970	-79.61	-13.00	66.61	-18.25	-39.50	21.25	72	z	Vertical
3	135.8360	-74.13	-13.00	61.13	-15.86	-38.55	22.69	243	z	Vertical
4	279.5400	-72.76	-13.00	59.76	-12.54	-37.04	24.50	134	z	Vertical
5	832.0220	-59.39	-13.00	46.39	-2.58	-34.14	31.56	168	z	N/A
6	886.3960	-37.66	-13.00	24.66	-1.32	-34.00	32.68	129	z	N/A

N5 167300 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz V ANT0

Test Graph

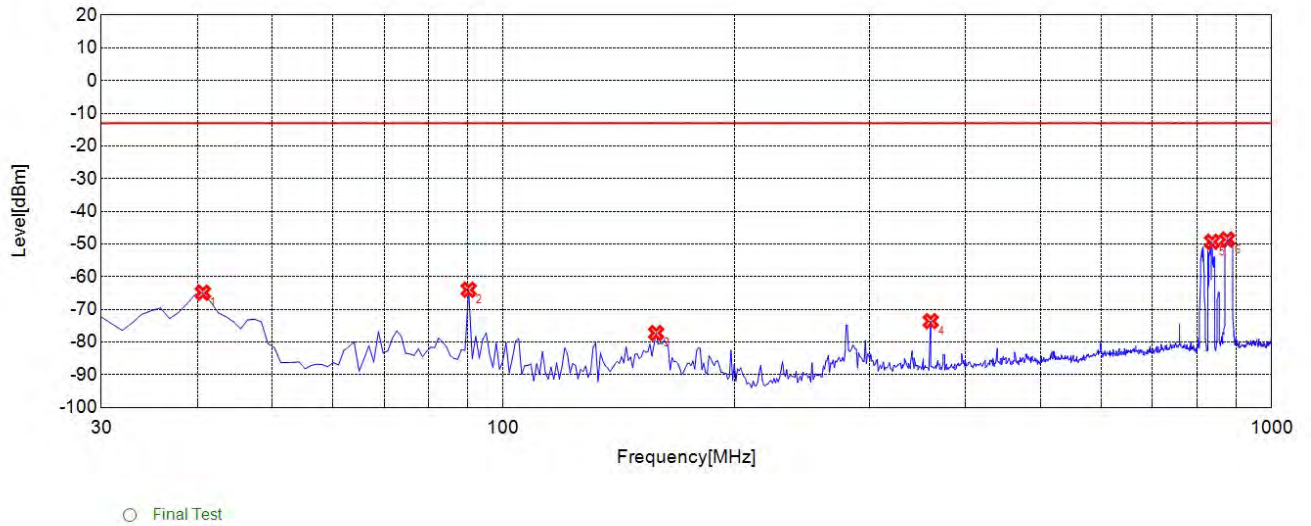


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	38.7390	-63.09	-13.00	50.09	-7.63	-39.55	31.92	78	z	Horizontal
2	90.2000	-69.85	-13.00	56.85	-18.92	-38.71	19.79	213	z	Horizontal
3	162.0520	-72.61	-13.00	59.61	-19.39	-38.33	18.94	145	z	Horizontal
4	360.1300	-78.75	-13.00	65.75	-11.33	-36.73	25.40	47	z	Horizontal
5	836.8770	-40.29	-13.00	27.29	-2.58	-34.13	31.55	236	z	N/A
6	880.5710	-42.8	-13.00	29.80	-2.15	-34.02	31.87	184	z	N/A

N5 175800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz H ANT0

Test Graph

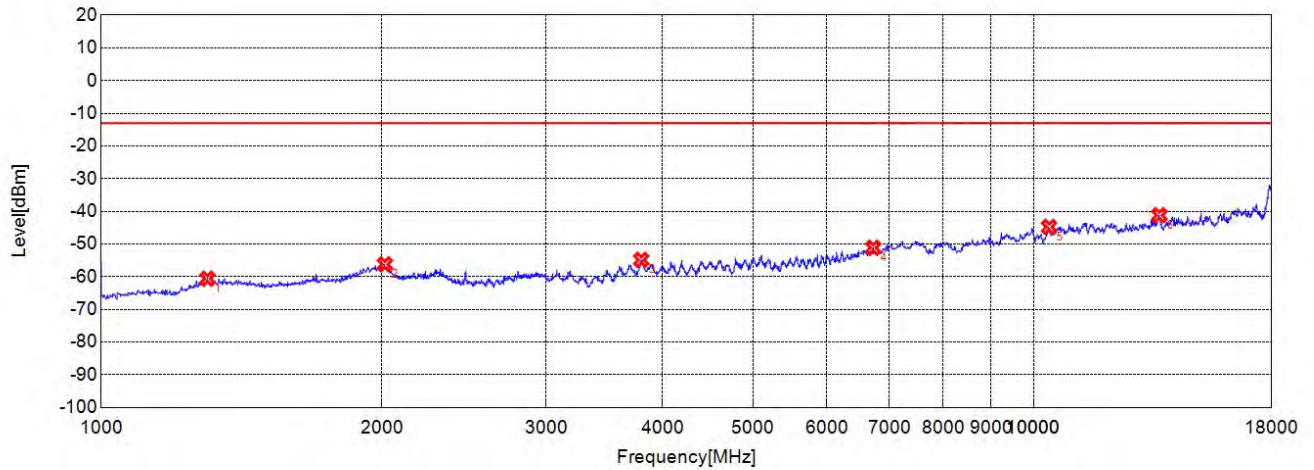


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	40.6810	-64.89	-13.00	51.89	-16.24	-39.53	23.29	44	z	Vertical
2	90.2000	-64	-13.00	51.00	-16.50	-38.71	22.21	11	z	Vertical
3	158.1680	-77.26	-13.00	64.26	-16.92	-38.44	21.52	156	z	Vertical
4	360.1300	-73.61	-13.00	60.61	-10.88	-36.73	25.85	146	z	Vertical
5	836.8770	-49.32	-13.00	36.32	-2.70	-34.13	31.43	186	z	N/A
6	875.7160	-48.63	-13.00	35.63	-1.87	-34.03	32.16	77	z	N/A

N5 175800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz V ANT0

Test Graph



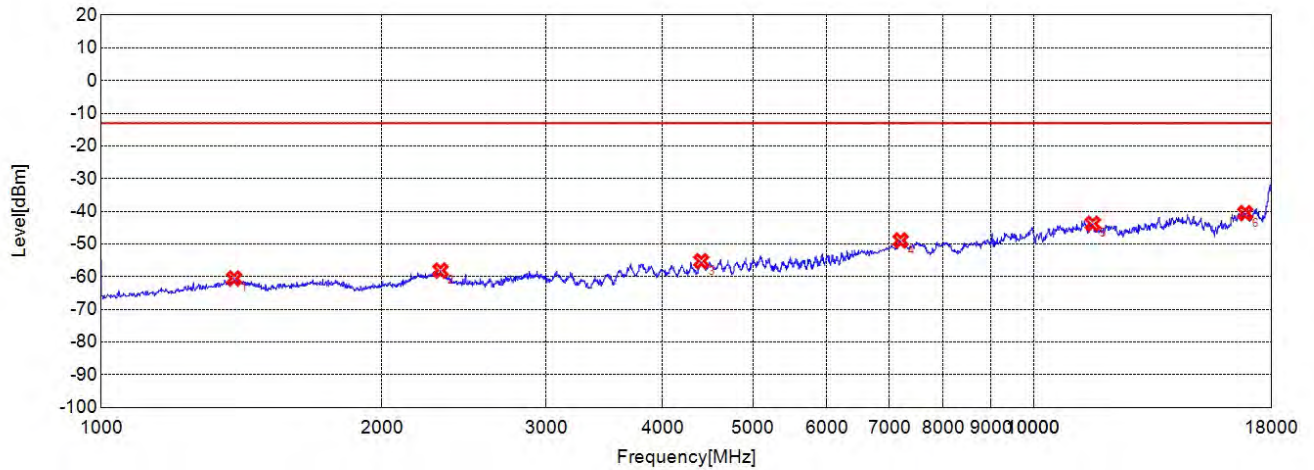
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1300.3000	-60.61	-13.00	47.61	-7.60	-45.29	37.69	295	z	Horizontal
2	2015.0150	-56.23	-13.00	43.23	-4.86	-46.41	41.55	37	z	Horizontal
3	3795.2950	-54.85	-13.00	41.85	-6.65	-46.11	39.46	110	z	Horizontal
4	6730.2300	-51.14	-13.00	38.14	1.64	-41.22	42.86	181	z	Horizontal
5	10390.8910	-44.78	-13.00	31.78	12.74	-36.73	49.47	171	z	Horizontal
6	13648.6490	-41.19	-13.00	28.19	20.05	-29.99	50.04	187	z	Horizontal

N5 175800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G H ANT0

Test Graph

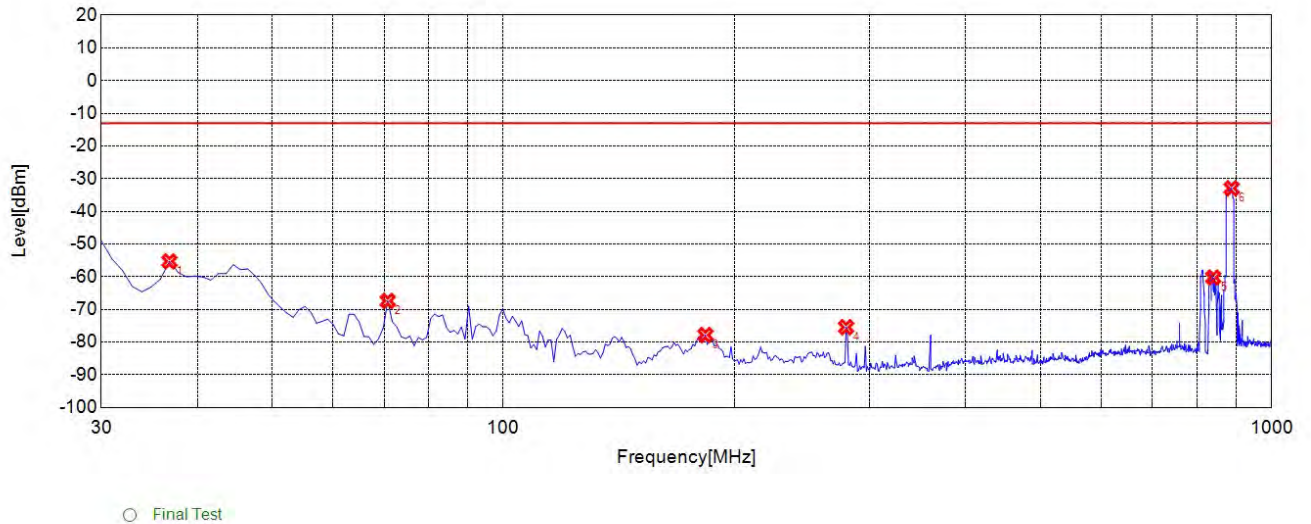


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1388.3880	-60.54	-13.00	47.54	-8.17	-45.33	37.16	96	z	Vertical
2	2311.3110	-58.13	-13.00	45.13	-7.54	-46.34	38.80	48	z	Vertical
3	4401.4010	-55.24	-13.00	42.24	-5.72	-45.82	40.10	284	z	Vertical
4	7202.2020	-48.91	-13.00	35.91	6.30	-39.23	45.53	230	z	Vertical
5	11576.5770	-43.79	-13.00	30.79	13.93	-35.96	49.89	207	z	Vertical
6	16871.8720	-40.55	-13.00	27.55	20.98	-30.54	51.52	172	z	Vertical

N5 175800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G V ANT0

Test Graph

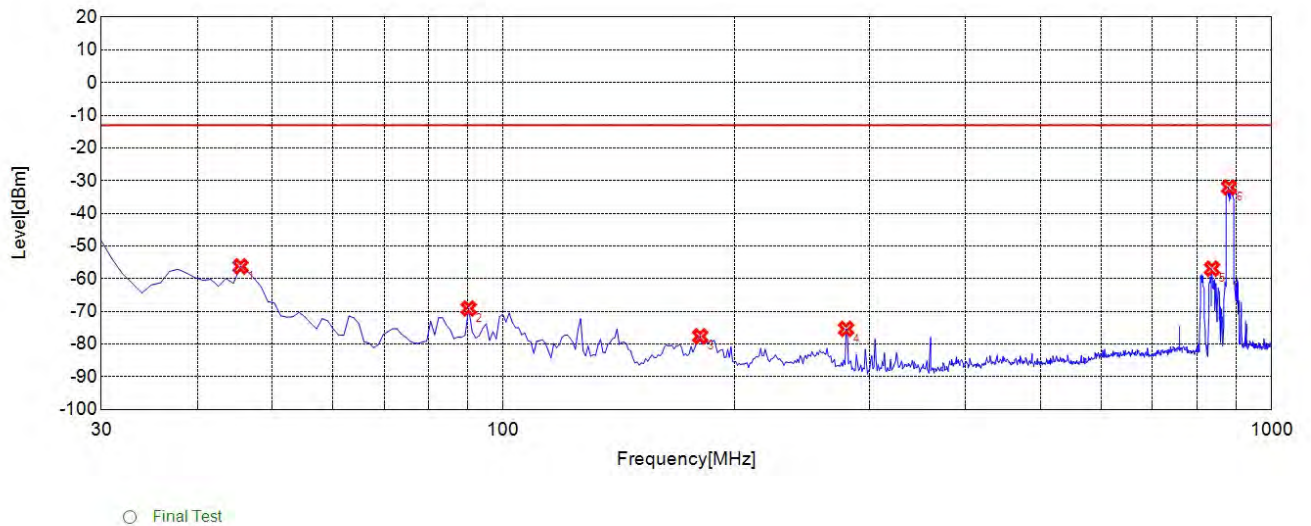


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	36.7970	-55.32	-13.00	42.32	-16.55	-39.57	23.02	148	z	Vertical
2	70.7810	-67.42	-13.00	54.42	-18.39	-39.48	21.09	291	z	Vertical
3	183.4130	-77.85	-13.00	64.85	-16.22	-38.11	21.89	272	z	Vertical
4	279.5400	-75.47	-13.00	62.47	-12.54	-37.04	24.50	69	z	Vertical
5	839.7900	-60.24	-13.00	47.24	-2.77	-34.12	31.35	211	z	N/A
6	887.3670	-32.95	-13.00	19.95	-1.29	-34.00	32.71	151	z	N/A

N5 176800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz H ANT0

Test Graph

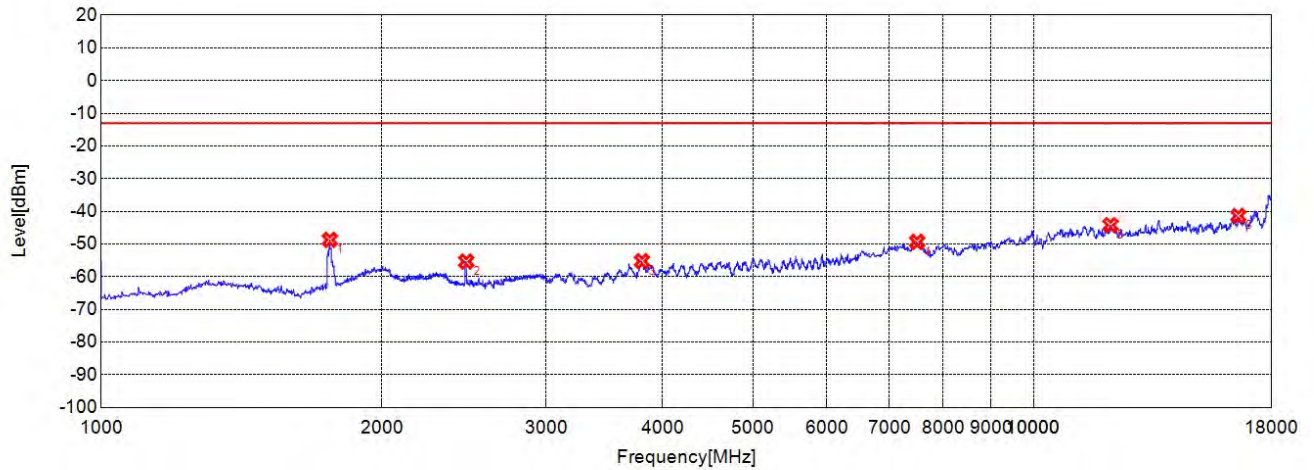


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	45.5360	-56.24	-13.00	43.24	-15.71	-39.50	23.79	209	z	Vertical
2	90.2000	-69.12	-13.00	56.12	-16.50	-38.71	22.21	135	z	Vertical
3	180.5010	-77.64	-13.00	64.64	-16.59	-38.11	21.52	236	z	Vertical
4	279.5400	-75.35	-13.00	62.35	-12.54	-37.04	24.50	236	z	Vertical
5	836.8770	-56.94	-13.00	43.94	-2.70	-34.13	31.43	47	z	N/A
6	880.5710	-32.04	-13.00	19.04	-1.56	-34.02	32.46	111	z	N/A

N5 176800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz V ANT0

Test Graph



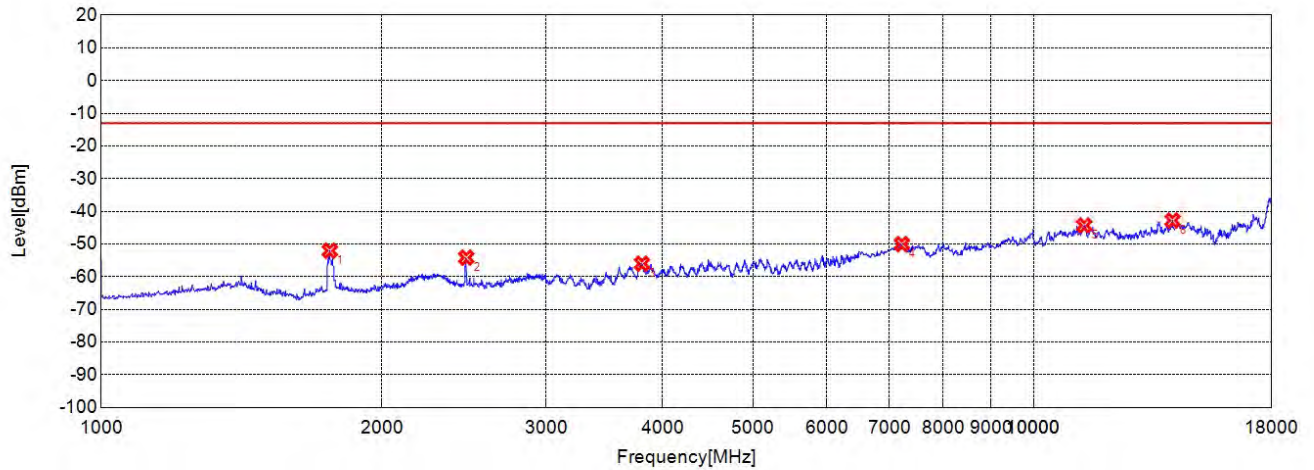
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1758.7590	-48.73	-13.00	35.73	-8.27	-46.27	38.00	148	z	Horizontal
2	2463.4630	-55.35	-13.00	42.35	-10.39	-47.28	36.89	65	z	Horizontal
3	3802.3020	-55.25	-13.00	42.25	-6.51	-46.00	39.49	150	z	Horizontal
4	7501.5020	-49.35	-13.00	36.35	8.10	-38.09	46.19	199	z	Horizontal
5	12094.5950	-44.2	-13.00	31.20	14.91	-34.59	49.50	271	z	Horizontal
6	16584.0840	-41.39	-13.00	28.39	20.58	-31.05	51.63	260	z	Horizontal

N5 176800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G H ANT0

Test Graph



○ Final Test

Suspected List

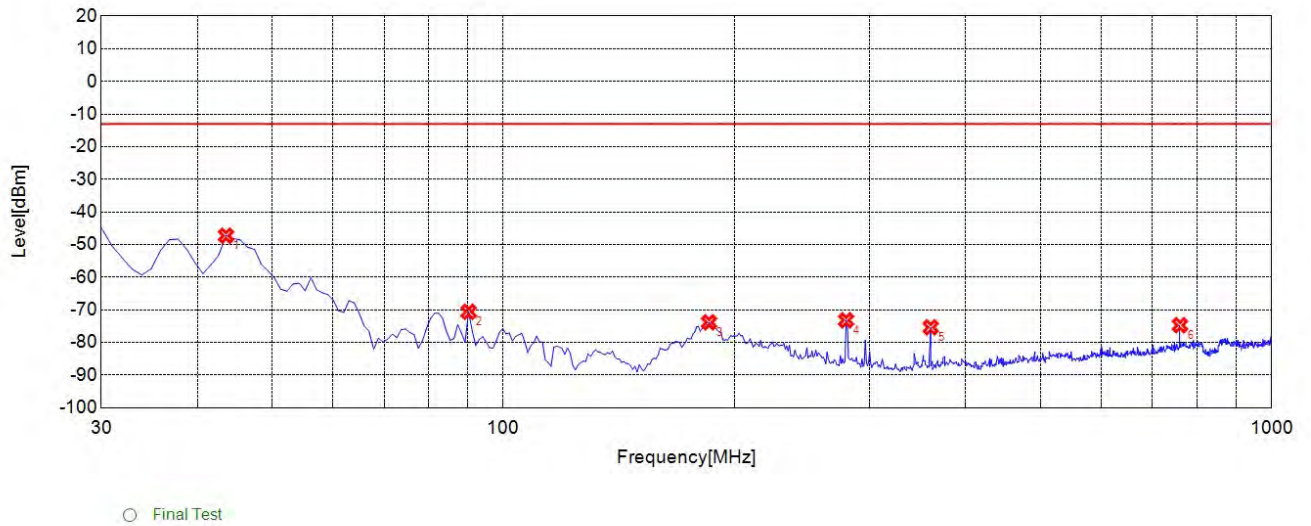
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1758.7590	-52.05	-13.00	39.05	-9.25	-46.27	37.02	255	z	Vertical
2	2463.4630	-54.15	-13.00	41.15	-10.52	-47.28	36.76	34	z	Vertical
3	3802.3020	-56.01	-13.00	43.01	-6.93	-46.00	39.07	196	z	Vertical
4	7225.2250	-50.03	-13.00	37.03	6.34	-39.18	45.52	237	z	Vertical
5	11334.8350	-44.34	-13.00	31.34	13.33	-35.72	49.05	44	z	Vertical
6	14097.5980	-42.79	-13.00	29.79	20.44	-29.92	50.36	260	z	Vertical

N5 176800 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G V ANT0



Ant 3

Test Graph

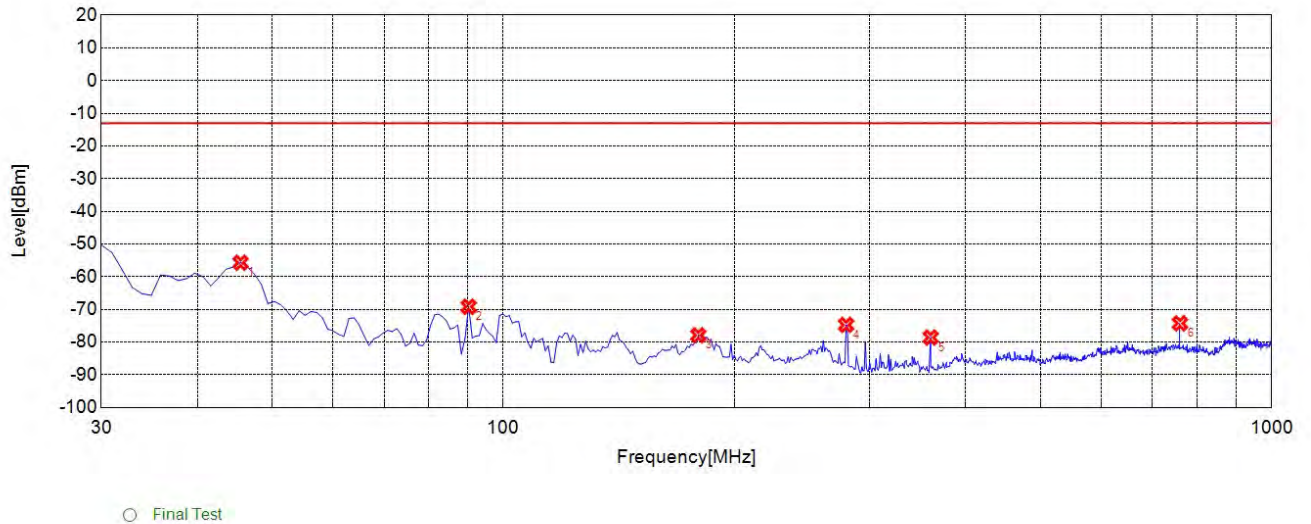


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	43.5940	-47.29	-13.00	34.29	-7.04	-39.51	32.47	148	z	Horizontal
2	90.2000	-70.62	-13.00	57.62	-18.92	-38.71	19.79	142	z	Horizontal
3	185.3550	-73.85	-13.00	60.85	-15.94	-38.10	22.16	39	z	Horizontal
4	279.5400	-73.2	-13.00	60.20	-12.04	-37.04	25.00	110	z	Horizontal
5	360.1300	-75.37	-13.00	62.37	-11.33	-36.73	25.40	175	z	Horizontal
6	760.1700	-74.72	-13.00	61.72	-2.49	-34.21	31.72	249	z	Horizontal

N66 424000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz H ANT3

Test Graph

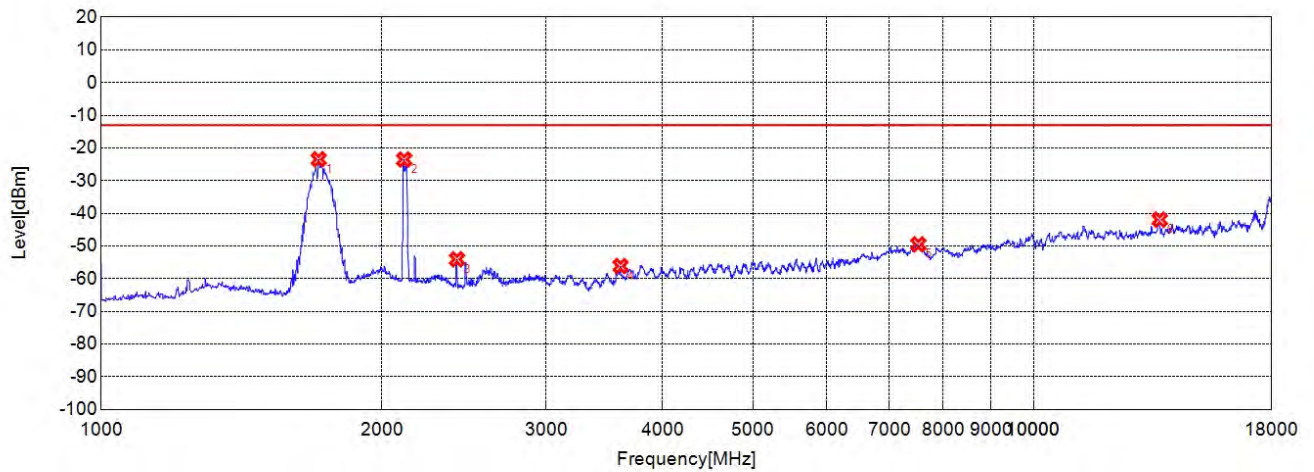


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	45.5360	-55.73	-13.00	42.73	-15.71	-39.50	23.79	186	z	Vertical
2	90.2000	-69.19	-13.00	56.19	-16.50	-38.71	22.21	184	z	Vertical
3	179.5300	-77.92	-13.00	64.92	-16.67	-38.11	21.44	252	z	Vertical
4	279.5400	-74.75	-13.00	61.75	-12.54	-37.04	24.50	175	z	Vertical
5	360.1300	-78.6	-13.00	65.60	-10.88	-36.73	25.85	296	z	Vertical
6	760.1700	-74.29	-13.00	61.29	-2.30	-34.21	31.91	236	z	Vertical

N66 424000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz V ANT3

Test Graph



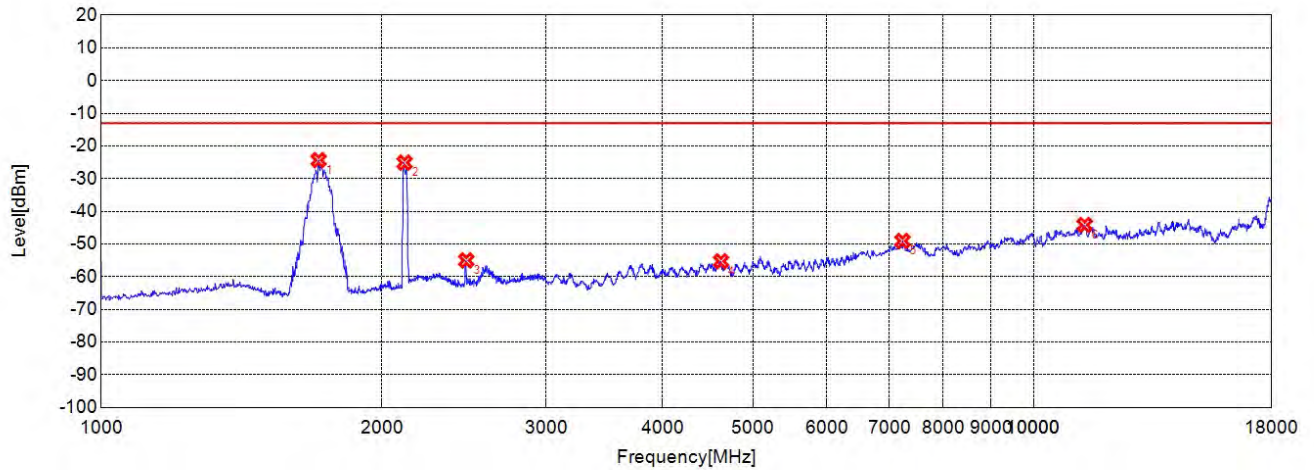
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1710.7110	-23.46	-13.00	10.46	-8.41	-46.34	37.93	203	z	N/A
2	2113.1130	-23.55	-13.00	10.55	-8.35	-47.18	38.83	262	z	N/A
3	2407.4070	-54.06	-13.00	41.06	-10.23	-47.44	37.21	137	z	Horizontal
4	3606.1060	-56.13	-13.00	43.13	-7.70	-46.98	39.28	77	z	Horizontal
5	7524.5250	-49.49	-13.00	36.49	7.64	-38.29	45.93	188	z	Horizontal
6	13660.1600	-41.94	-13.00	28.94	19.66	-30.35	50.01	44	z	Horizontal

N66 424000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G H ANT3

Test Graph



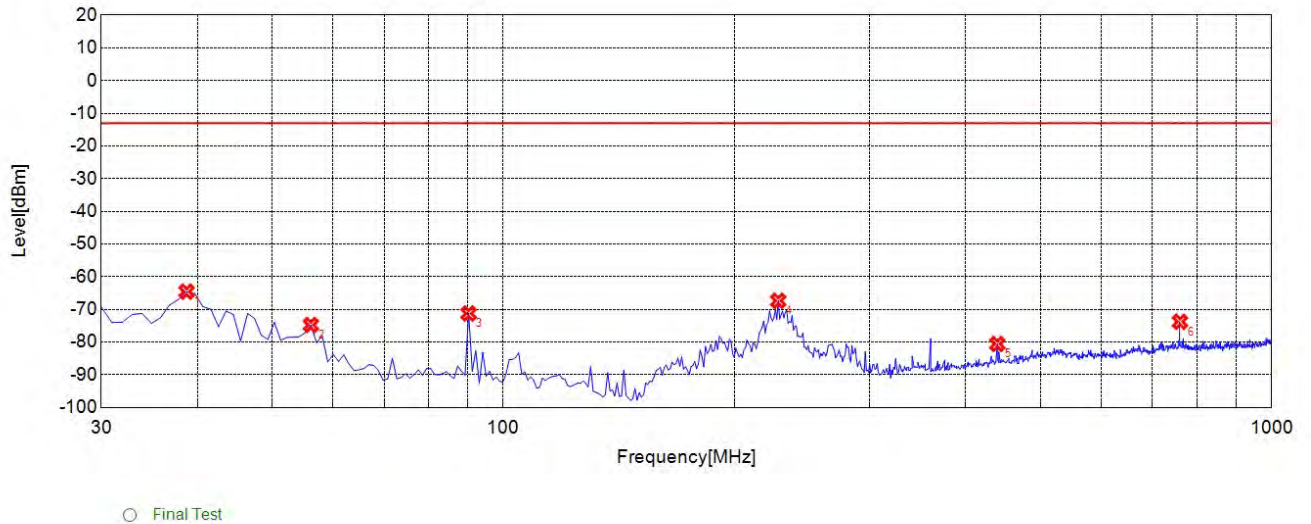
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1710.7110	-24.34	-13.00	11.34	-9.39	-46.34	36.95	102	z	N/A
2	2115.1150	-25.12	-13.00	12.12	-9.85	-47.15	37.30	221	z	N/A
3	2463.4630	-55.01	-13.00	42.01	-10.52	-47.28	36.76	77	z	Vertical
4	4622.1220	-55.28	-13.00	42.28	-4.97	-45.24	40.27	288	z	Vertical
5	7236.7370	-49.08	-13.00	36.08	6.36	-39.16	45.52	268	z	Vertical
6	11346.3460	-44.17	-13.00	31.17	13.51	-35.59	49.10	268	z	Vertical

N66 424000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G V ANT3

Test Graph

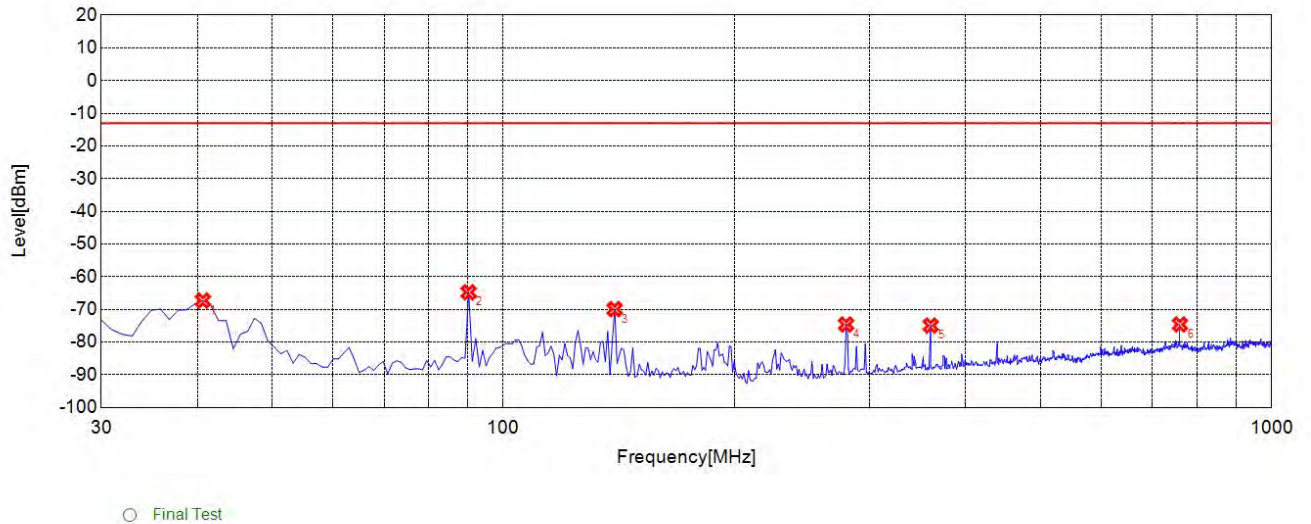


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	38.7390	-64.57	-13.00	51.57	-7.63	-39.55	31.92	72	z	Horizontal
2	56.2160	-74.77	-13.00	61.77	-9.45	-39.48	30.03	133	z	Horizontal
3	90.2000	-71.26	-13.00	58.26	-18.92	-38.71	19.79	50	z	Horizontal
4	228.0780	-67.36	-13.00	54.36	-10.95	-37.53	26.58	266	z	Horizontal
5	439.7500	-80.58	-13.00	67.58	-8.92	-35.54	26.62	49	z	Horizontal
6	760.1700	-73.78	-13.00	60.78	-2.49	-34.21	31.72	237	z	Horizontal

N66 429000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 30M-1G H ANT3

Test Graph

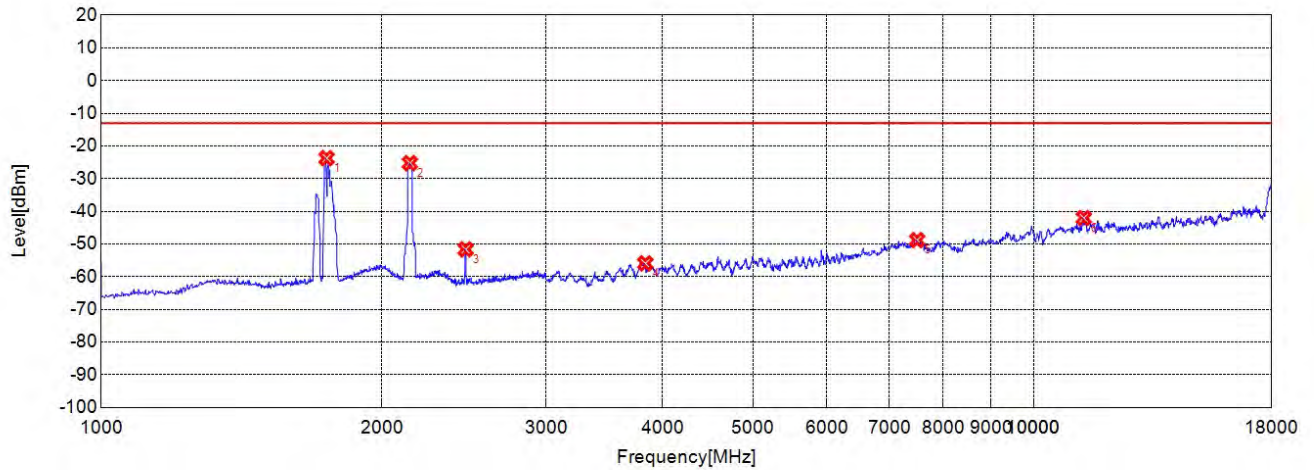


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	40.6810	-67.3	-13.00	54.30	-16.24	-39.53	23.29	242	z	Vertical
2	90.2000	-64.78	-13.00	51.78	-16.50	-38.71	22.21	286	z	Vertical
3	139.7200	-69.92	-13.00	56.92	-15.15	-38.58	23.43	45	z	Vertical
4	279.5400	-74.61	-13.00	61.61	-12.54	-37.04	24.50	292	z	Vertical
5	360.1300	-74.95	-13.00	61.95	-10.88	-36.73	25.85	228	z	Vertical
6	760.1700	-74.6	-13.00	61.60	-2.30	-34.21	31.91	210	z	Vertical

N66 429000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 30M-1G V ANT3

Test Graph



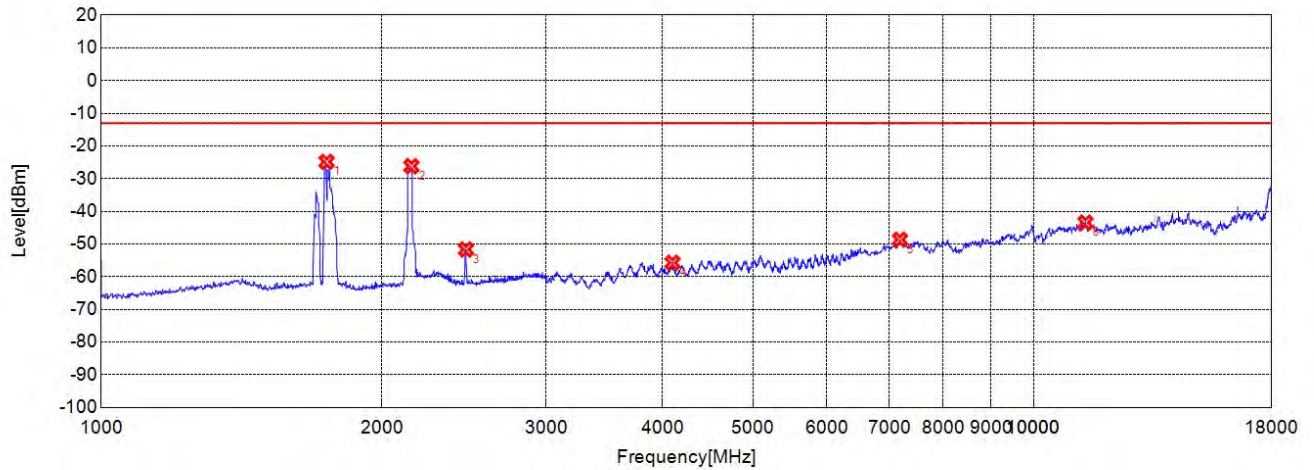
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1744.7450	-23.74	-13.00	10.74	-8.29	-46.27	37.98	16	z	N/A
2	2143.1430	-25.25	-13.00	12.25	-7.89	-46.81	38.92	205	z	N/A
3	2459.4590	-51.63	-13.00	38.63	-10.38	-47.29	36.91	58	z	Horizontal
4	3833.8340	-55.92	-13.00	42.92	-7.13	-46.73	39.60	186	z	Horizontal
5	7501.5020	-48.82	-13.00	35.82	8.10	-38.09	46.19	52	z	Horizontal
6	11323.3230	-42.03	-13.00	29.03	13.20	-35.85	49.05	114	z	Horizontal

N66 429000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz H ANT3

Test Graph



○ Final Test

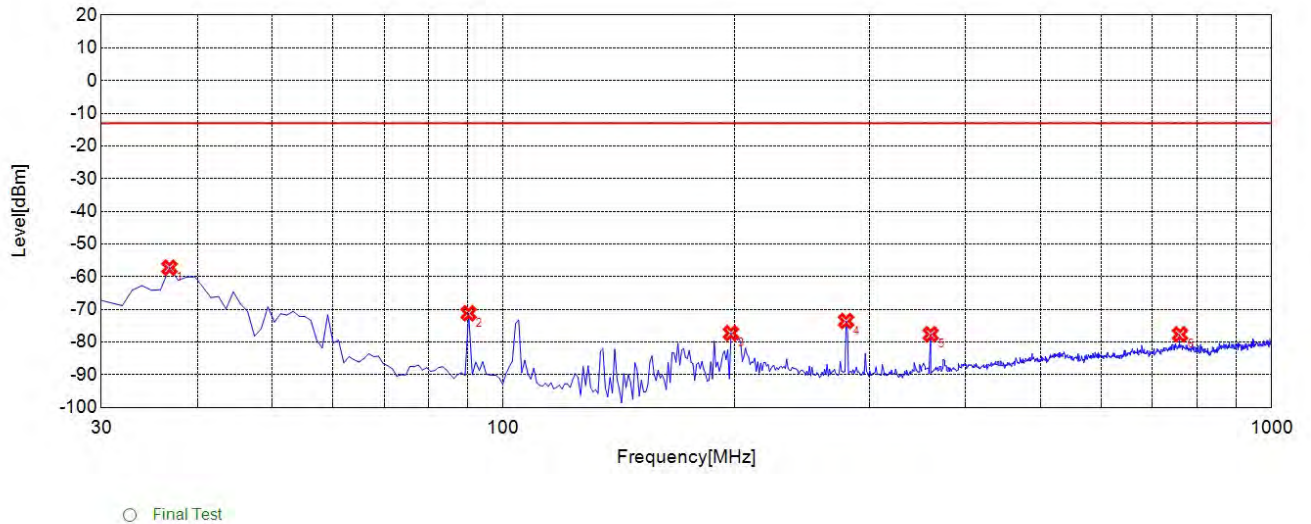
Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1744.7450	-24.87	-13.00	11.87	-9.27	-46.27	37.00	29	z	N/A
2	2151.1510	-26.21	-13.00	13.21	-8.47	-46.72	38.25	209	z	N/A
3	2461.4610	-51.65	-13.00	38.65	-10.51	-47.28	36.77	63	z	Vertical
4	4100.1000	-55.73	-13.00	42.73	-7.31	-46.84	39.53	63	z	Vertical
5	7190.6910	-48.67	-13.00	35.67	6.19	-39.28	45.47	168	z	Vertical
6	11369.3690	-43.45	-13.00	30.45	13.46	-35.73	49.19	90	z	Vertical

N66 429000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz V ANT3



Test Graph

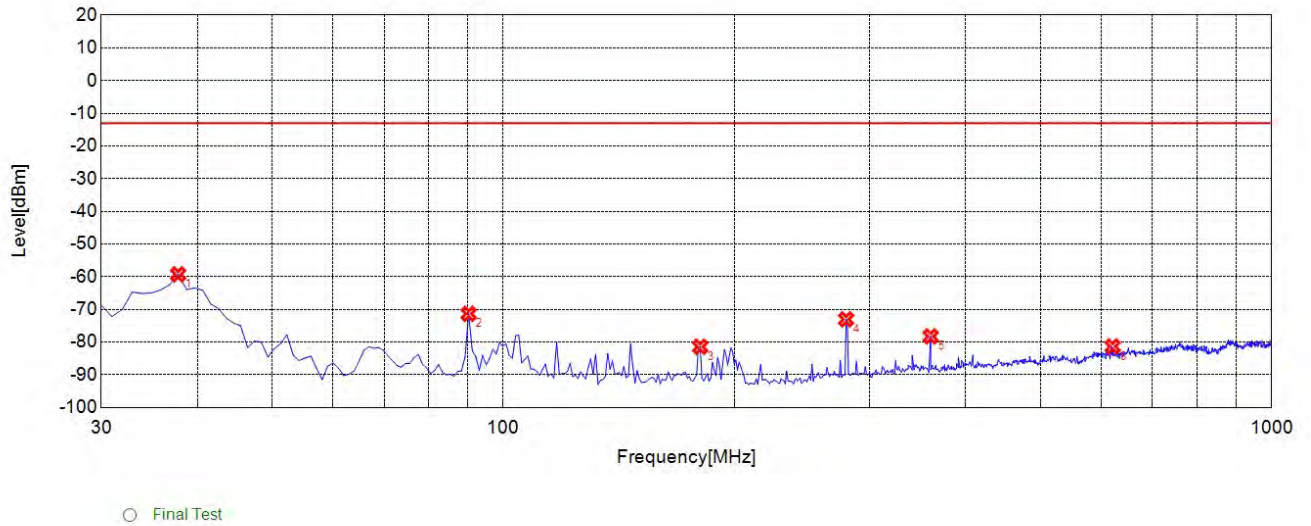


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	36.7970	-57.24	-13.00	44.24	-8.51	-39.57	31.06	152	z	Horizontal
2	90.2000	-71.2	-13.00	58.20	-18.92	-38.71	19.79	259	z	Horizontal
3	197.9780	-77.27	-13.00	64.27	-14.90	-37.89	22.99	10	z	Horizontal
4	279.5400	-73.55	-13.00	60.55	-12.04	-37.04	25.00	69	z	Horizontal
5	360.1300	-77.61	-13.00	64.61	-11.33	-36.73	25.40	132	z	Horizontal
6	760.1700	-77.65	-13.00	64.65	-2.49	-34.21	31.72	24	z	Horizontal

N66 434000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 30M-1G H ANT3

Test Graph

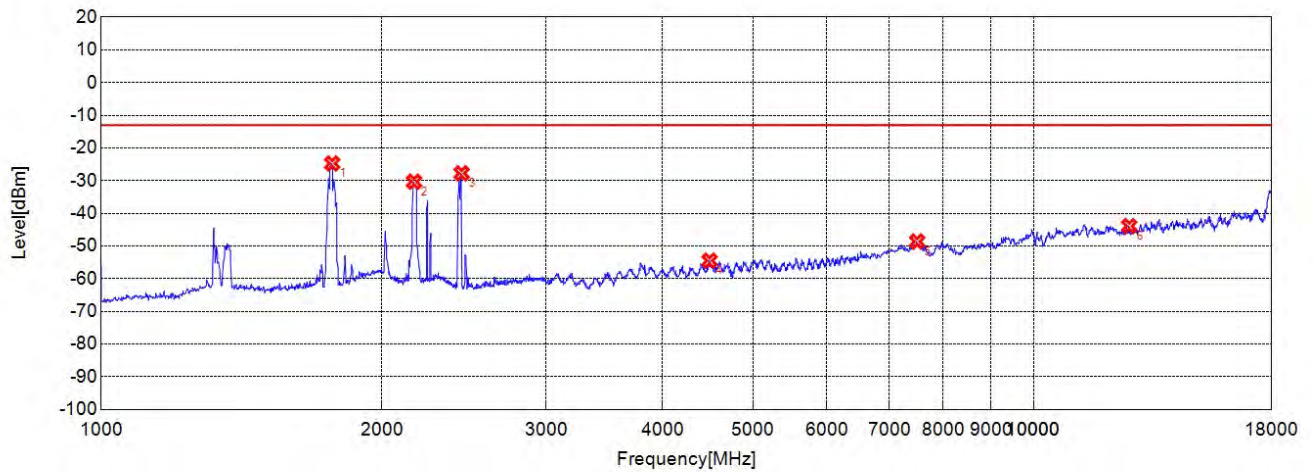


Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	37.7680	-59.3	-13.00	46.30	-16.48	-39.56	23.08	86	z	Vertical
2	90.2000	-71.36	-13.00	58.36	-16.50	-38.71	22.21	159	z	Vertical
3	180.5010	-81.44	-13.00	68.44	-16.59	-38.11	21.52	255	z	Vertical
4	279.5400	-73.04	-13.00	60.04	-12.54	-37.04	24.50	243	z	Vertical
5	360.1300	-78.27	-13.00	65.27	-10.88	-36.73	25.85	106	z	Vertical
6	621.3210	-81.35	-13.00	68.35	-5.39	-34.71	29.32	244	z	Vertical

N66 434000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 30M-1G V ANT3

Test Graph



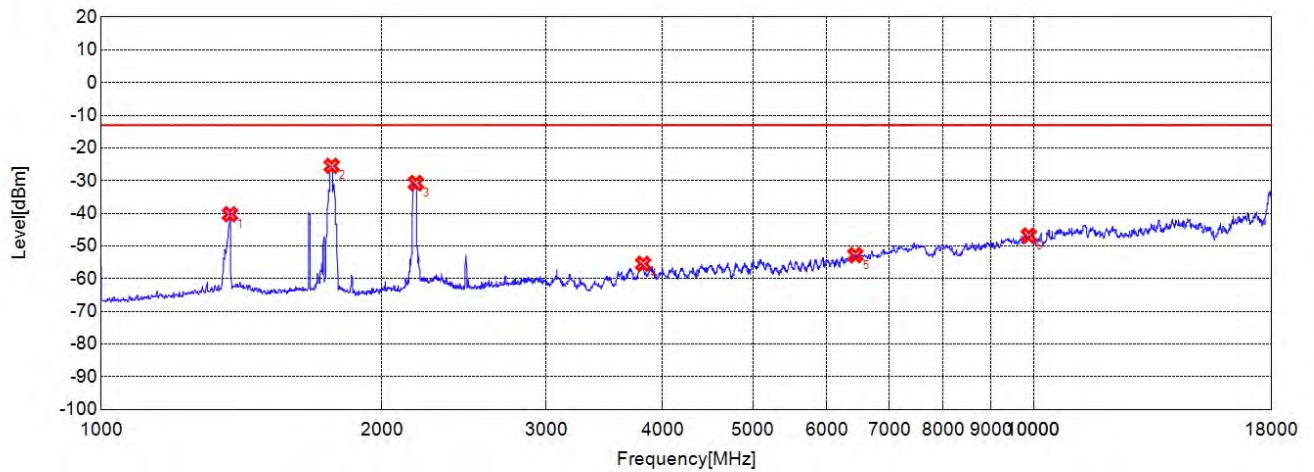
○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1768.7690	-24.75	-13.00	11.75	-8.27	-46.29	38.02	205	z	N/A
2	2165.1650	-30.33	-13.00	17.33	-7.79	-46.78	38.99	53	z	N/A
3	2435.4350	-27.76	-13.00	14.76	-10.32	-47.37	37.05	229	z	Horizontal
4	4492.4920	-54.5	-13.00	41.50	-5.30	-45.69	40.39	23	z	Horizontal
5	7501.5020	-48.64	-13.00	35.64	8.10	-38.09	46.19	211	z	Horizontal
6	12670.1700	-43.89	-13.00	30.89	16.17	-33.17	49.34	17	z	Horizontal

N66 434000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G H ANT3

Test Graph



○ Final Test

Suspected List

NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Path [dB]	Air [dB]	Angle [°]	EUT Pol.	Ant. Pol.
1	1374.3740	-40.27	-13.00	27.27	-8.34	-45.31	36.97	80	z	Vertical
2	1766.7670	-25.5	-13.00	12.50	-9.25	-46.28	37.03	233	z	N/A
3	2175.1750	-30.76	-13.00	17.76	-7.95	-46.82	38.87	232	z	N/A
4	3812.8130	-55.45	-13.00	42.45	-7.14	-46.24	39.10	294	z	Vertical
5	6440.4400	-52.8	-13.00	39.80	0.82	-42.24	43.06	41	z	Vertical
6	9884.3840	-46.82	-13.00	33.82	10.68	-37.94	48.62	16	z	Vertical

N66 434000 20M DFT-s-OFDM QPSK RB Size-1 RB Offset-1 SCS 15KHz 1-18G V ANT3



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Output Power	± 2.22 dB
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	± 2.77 dB
Band Edge	± 2.77 dB
Equivalent Isotropic Radiated Power	± 2.22 dB
Radiated Spurious Emissions	± 6 dB

When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Power Splitter	NW521	1506A	Weinschel	N/A	N/A
Attenuator 1	(N/A.)	10dB	Resnet	N/A	N/A
Attenuator 2	(N/A.)	3dB	Resnet	N/A	N/A
EXA Signal Analyzer	MY54170556	N9030A	Keysight	2021.01.08	2022.01.07
USB Power Sensor	MY54210011	U2021XA	Agilent	2020.10.23	2021.10.22
System Simulator	6262012906	MT8000A	Anritsu	2020.10.28	2021.10.27
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	(N/A)	HUT705P	CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD	2020.10.26	2021.10.25
Computer	T430i	Think Pad	Lenovo	N/A	N/A
Test system	N/A	WCS FCC V1.0	CeSheng	N/A	N/A

**4.2 Radiated Test Equipments**

Loop Antenna	FMZB 1519B	00131	SCHWARZBEC K	2019/2/14	2022/2/13
Loop Antenna	FMZB 1519	1519-022	SCHWARZBEC K	2019/11/7	2022/11/6
Bi-Log Antenna	VULB 9163	9163-274	SCHWARZBEC K	2019/11/23	2022/11/22
Bi-Log Antenna	VULB 9163	9163-519	SCHWARZBEC K	2019/5/24	2022/5/23
Horn Antenna	BBHA 9120D	9120D-963	SCHWARZBEC K	2019/5/24	2022/5/23
Horn Antenna	BBHA 9120D	01774	SCHWARZBEC K	2019/7/26	2022/7/25
Horn Antenna	BBHA9170	BBHA9170#773	SCHWARZBEC K	2019/7/26	2022/7/25
Horn Antenna	BBHA9170	BBHA9170#774	SCHWARZBEC K	2019/7/26	2022/7/25
Receiver	N9038A	MY54130016	Agilent	2021/7/16	2022/7/15
Receiver	N9038A	MY56400093	KEYSIGHT	2021/3/9	2022/3/8
Receiver	PMM 9010	595WX11007	PMM	2021/4/2	2022/4/1
Receiver	PMM 9060	001WX1100	PMM	2021/3/30	2022/3/29
Signal Analyzer	N9020A	MY56060145	Agilent	2021/7/26	2022/7/25
6db Attenuator	BW-N6W5+	E191001	Mini-circuits	2021/10/18	2022/10/17
Preamplifier	S020180L3203	61171/61172	LUCIX CORP.	2021/7/16	2022/7/15
Preamplifier	S10M100L3802	46732	LUCIX CORP.	2021/7/16	2022/7/15
Preamplifier	S150300L3202	71136	LUCIX CORP.	2021/7/16	2022/7/15
System Simulator	CMW500	152038	R&S	2021/10/21	2022/10/20
System Simulator	8960-E5515C	MY48364176	Agilent	2021/3/25	2022/3/24
System Simulator	MT8000A	6262148249	anritsu	2021/9/17	2022/9/16



REPORT No.: SZ21100132W10

System Simulator	MT8821C	6261830572	anritsu	2021/2/25	2022/2/24
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