



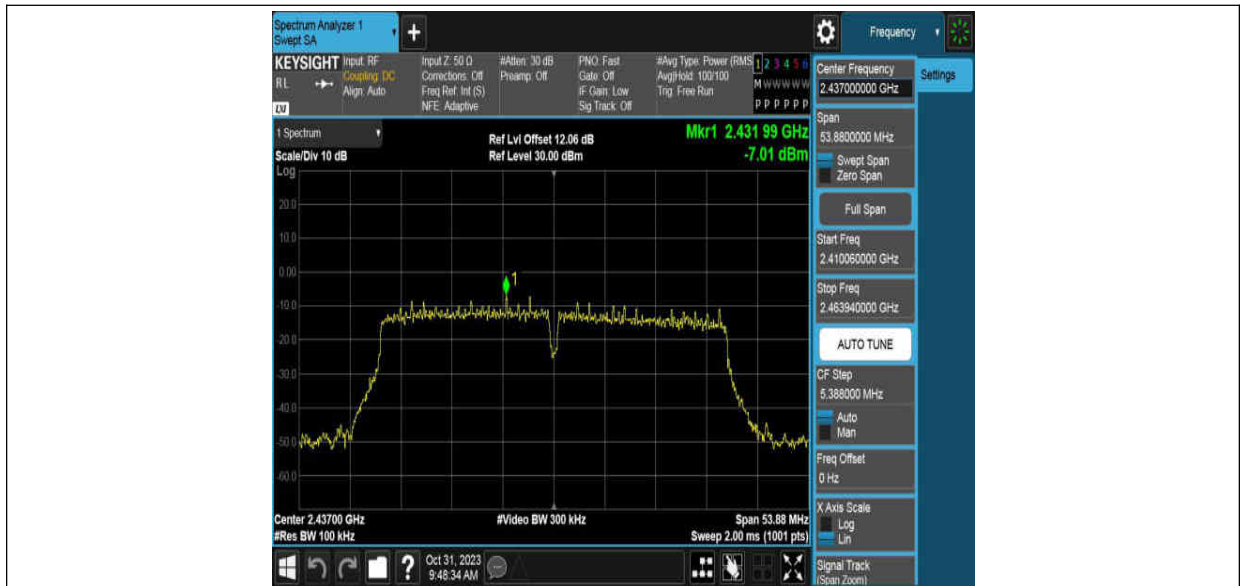
11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO Ant1 2452



11N40MIMO Ant2 2452



Band edge:

11B_Ant1_Low_2412



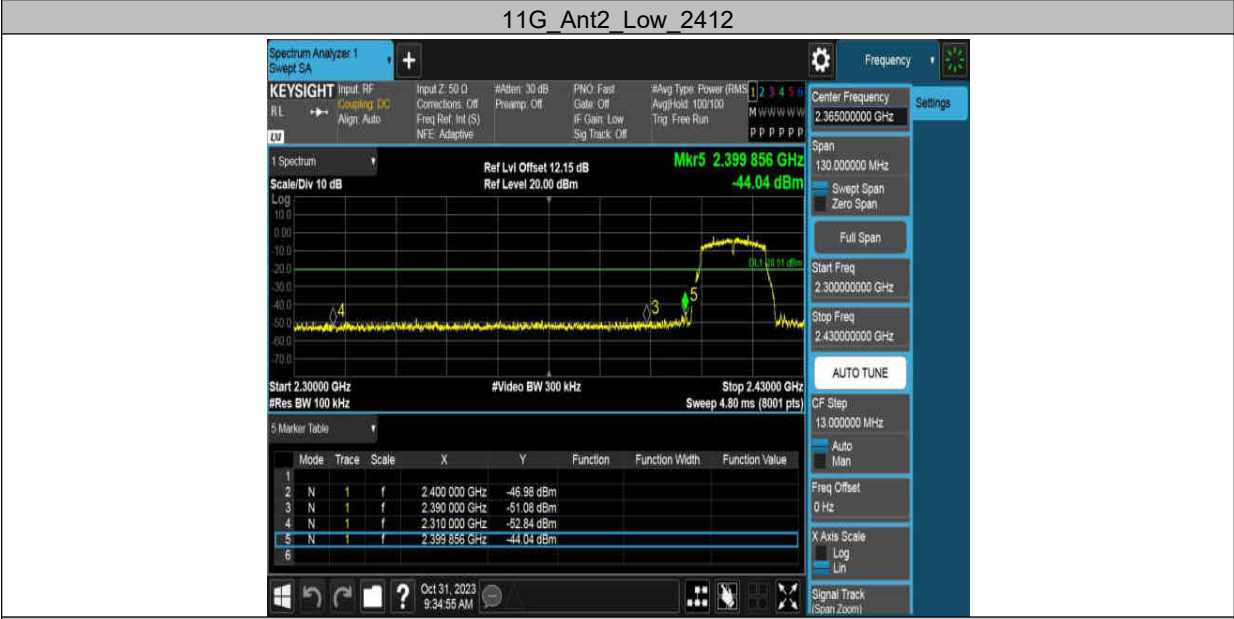
11B_Ant2_Low_2412



11B_Ant1_High_2462



11B_Ant2_High_2462





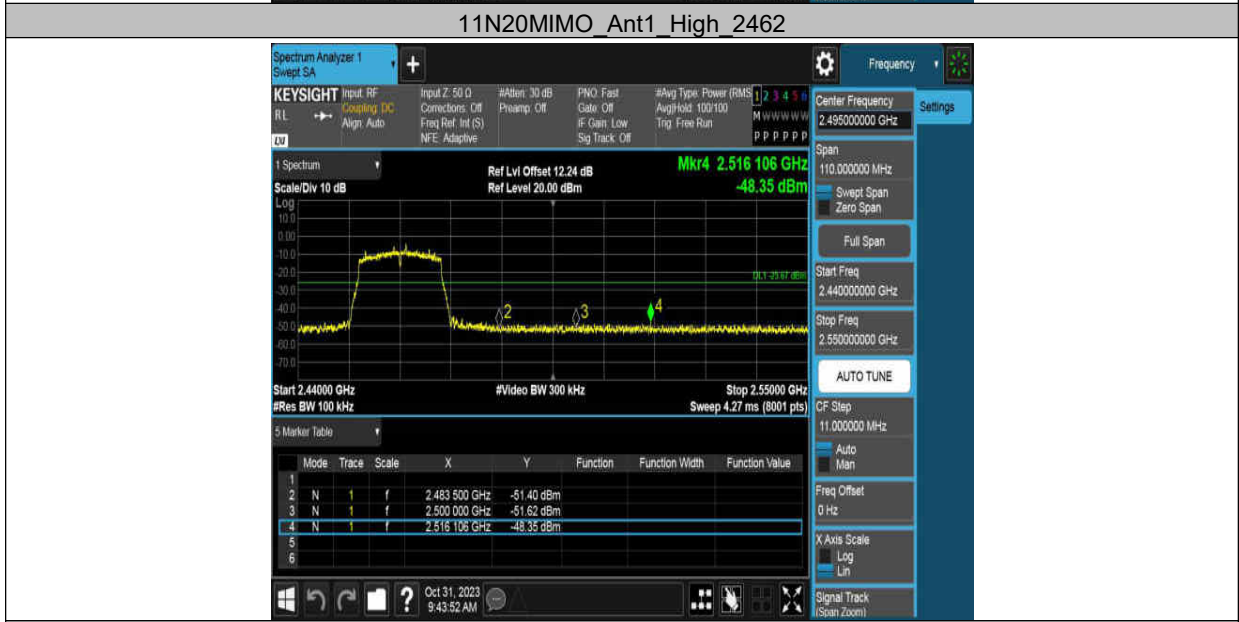
11G_Ant2_High_2462



11N20MIMO_Ant1_Low_2412



11N20MIMO_Ant2_Low_2412

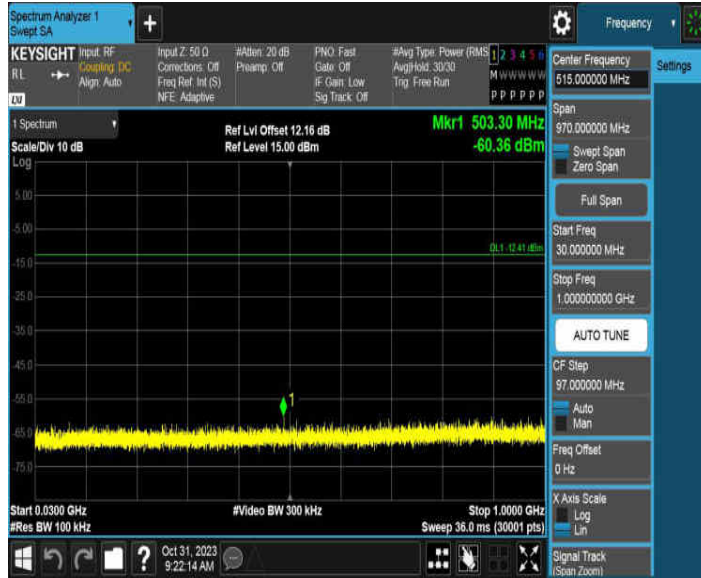






Spurious Emission:

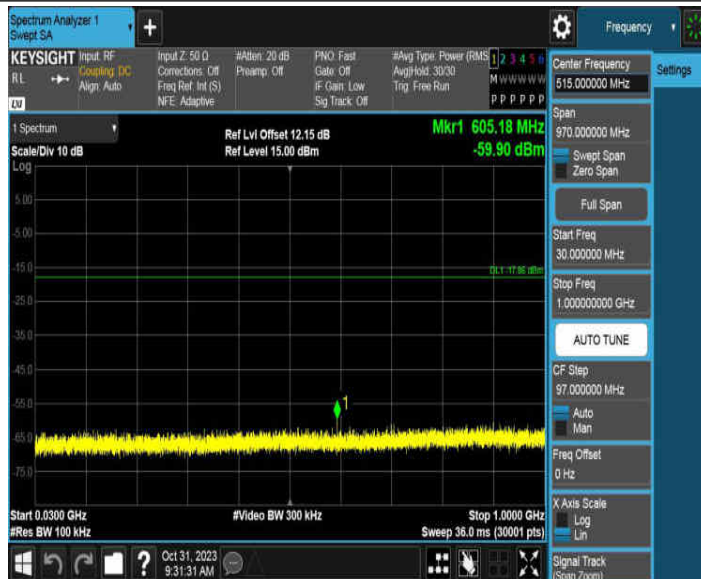
11B_Ant1_2412_30~1000



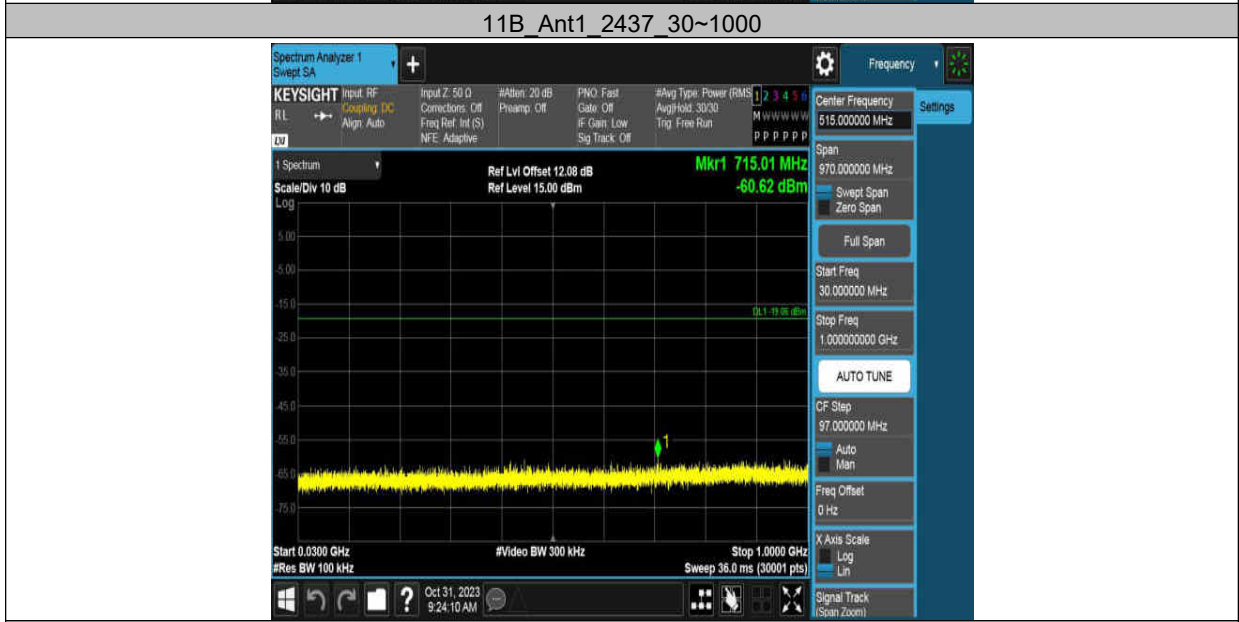
11B_Ant1_2412_1000~26500

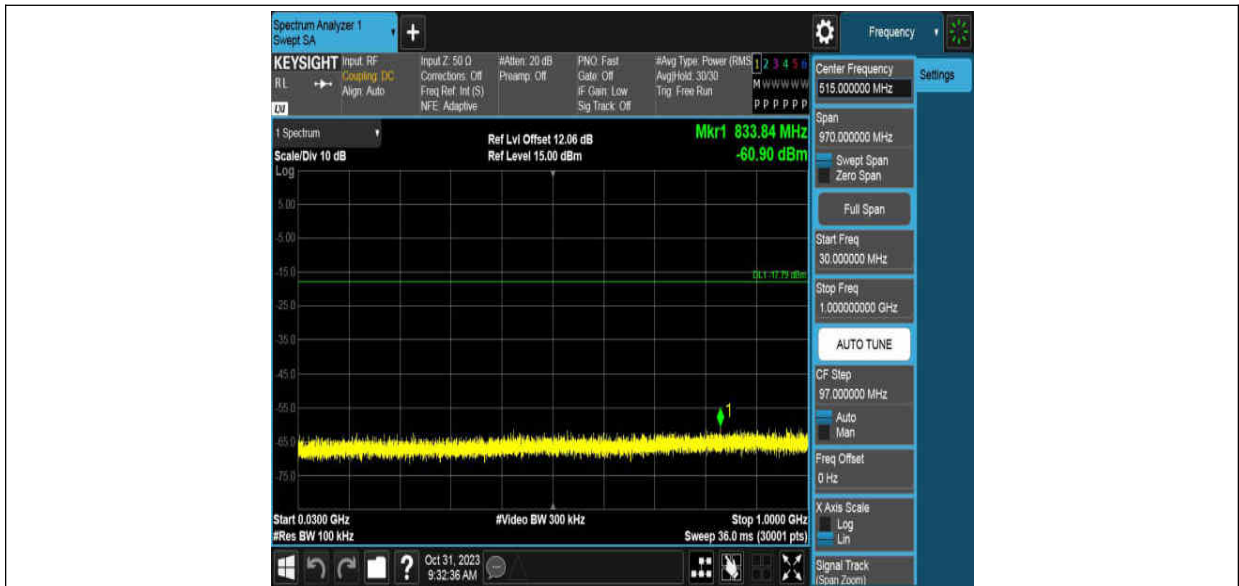


11B_Ant2_2412_30~1000



11B_Ant2_2412_1000~26500

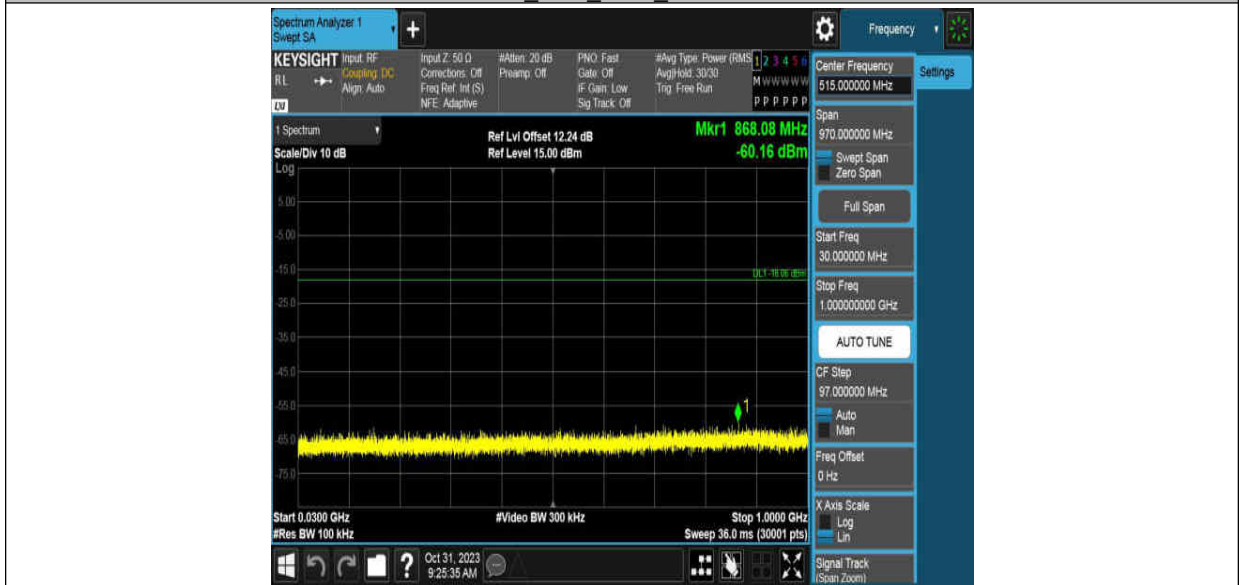




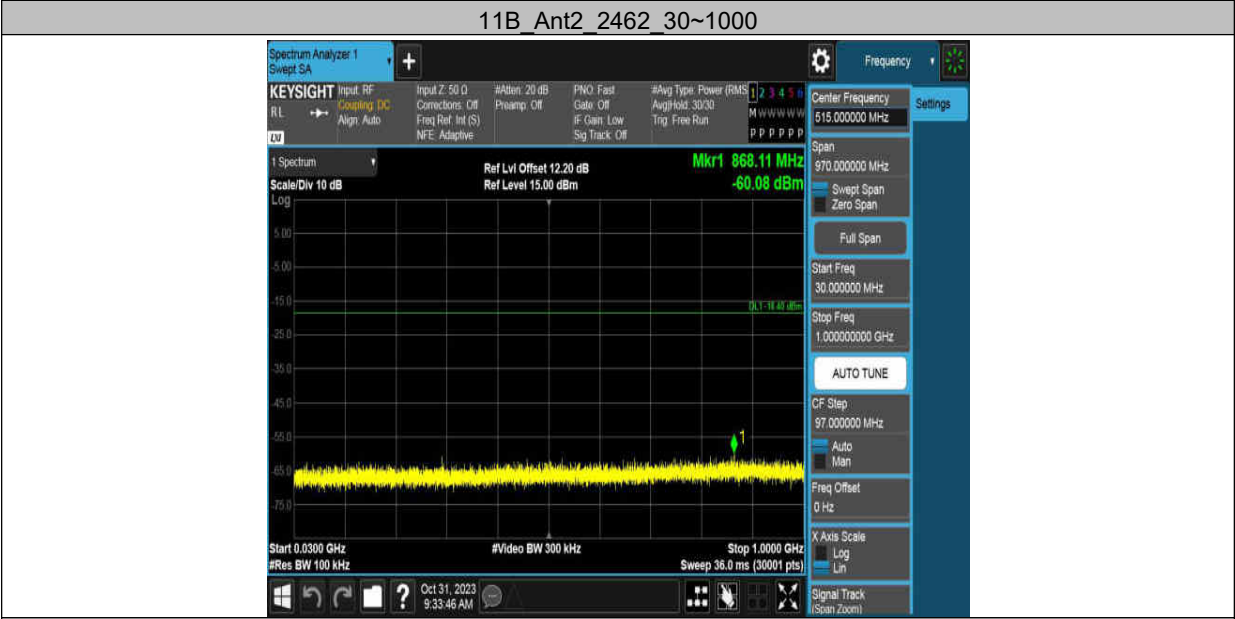
11B_Ant2_2437_1000~26500

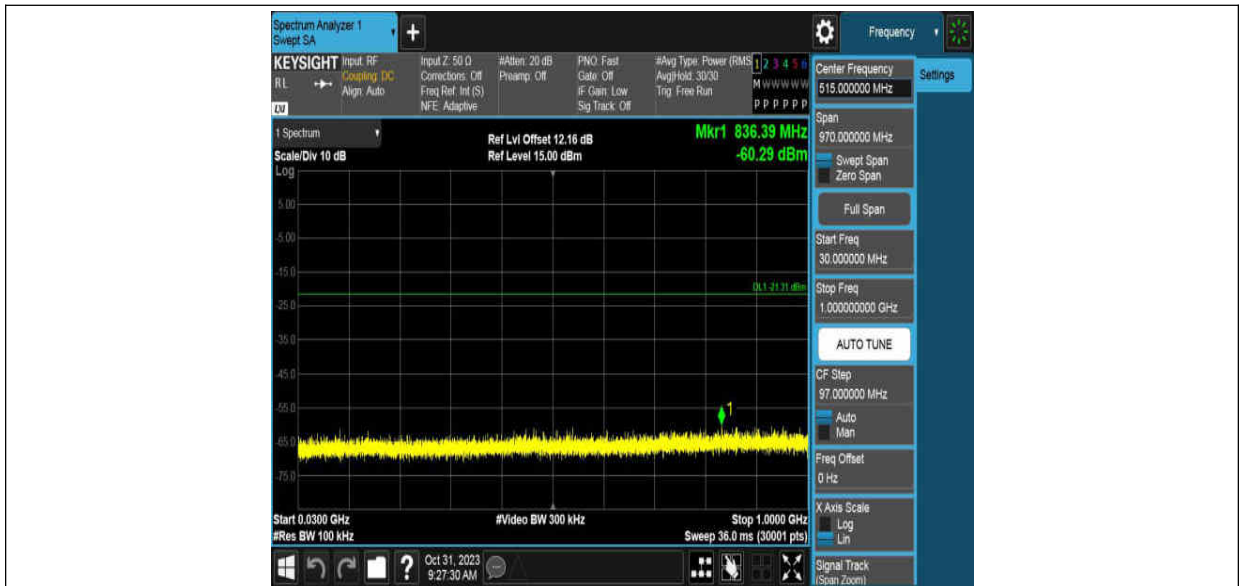


11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

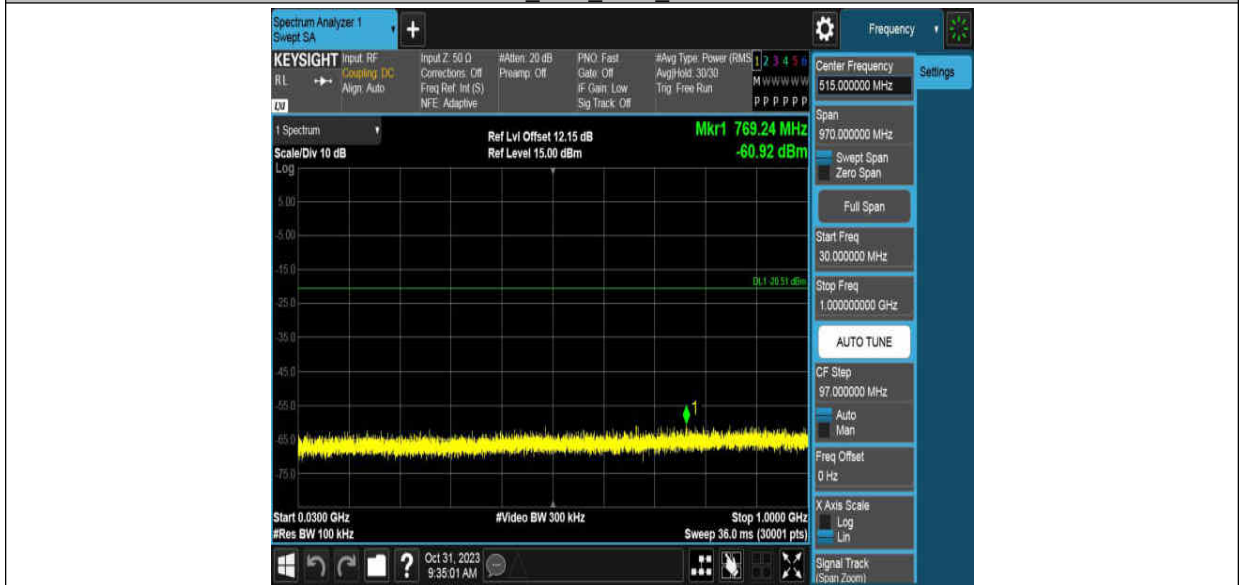




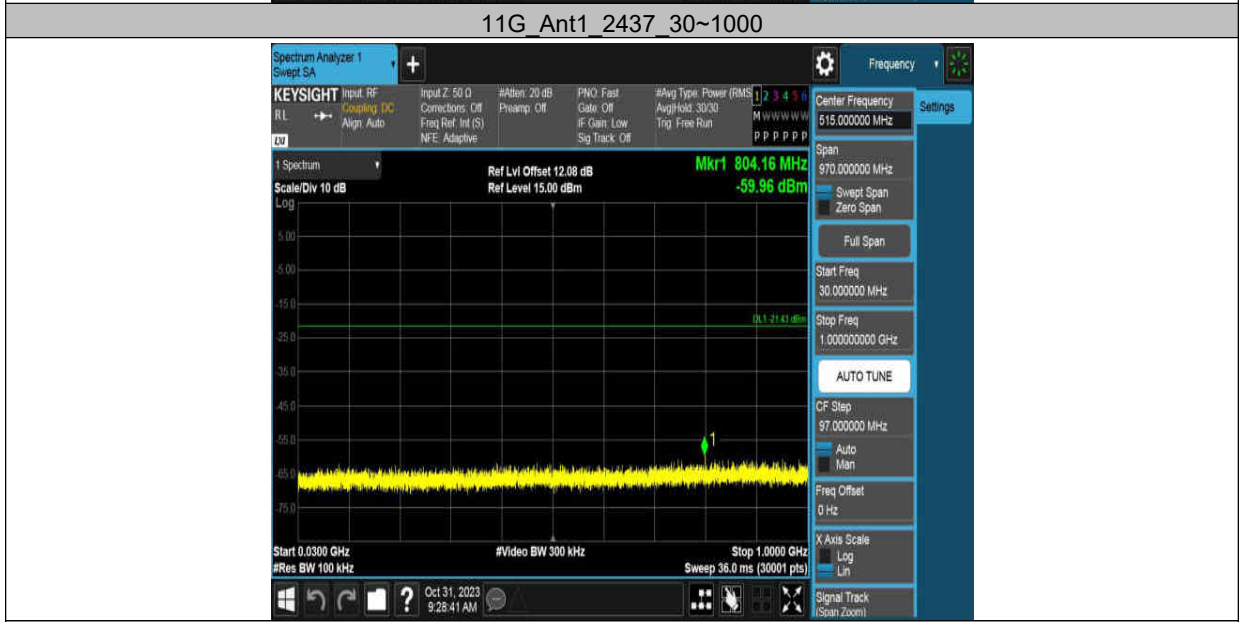
11G_Ant1_2412_1000~26500

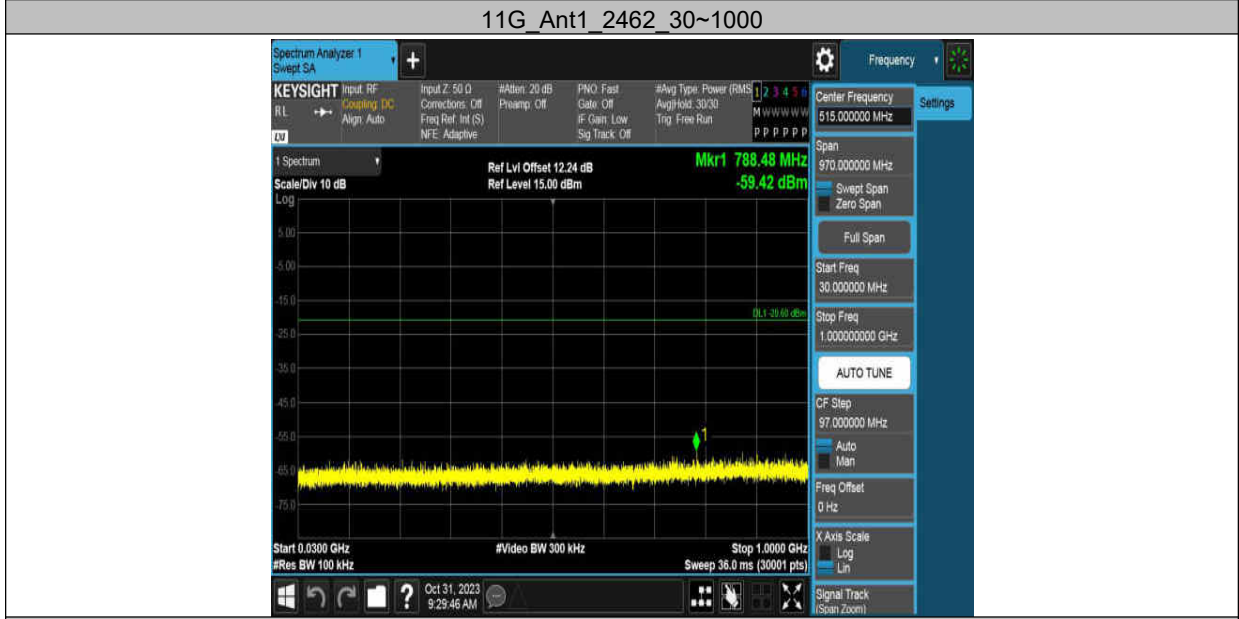
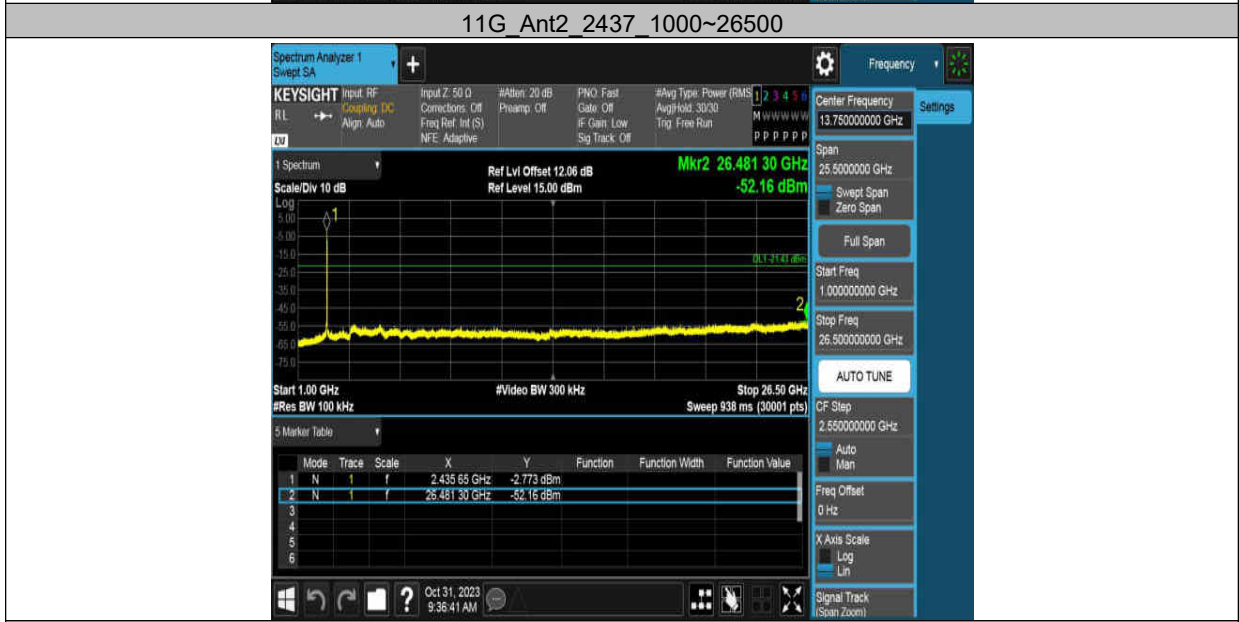
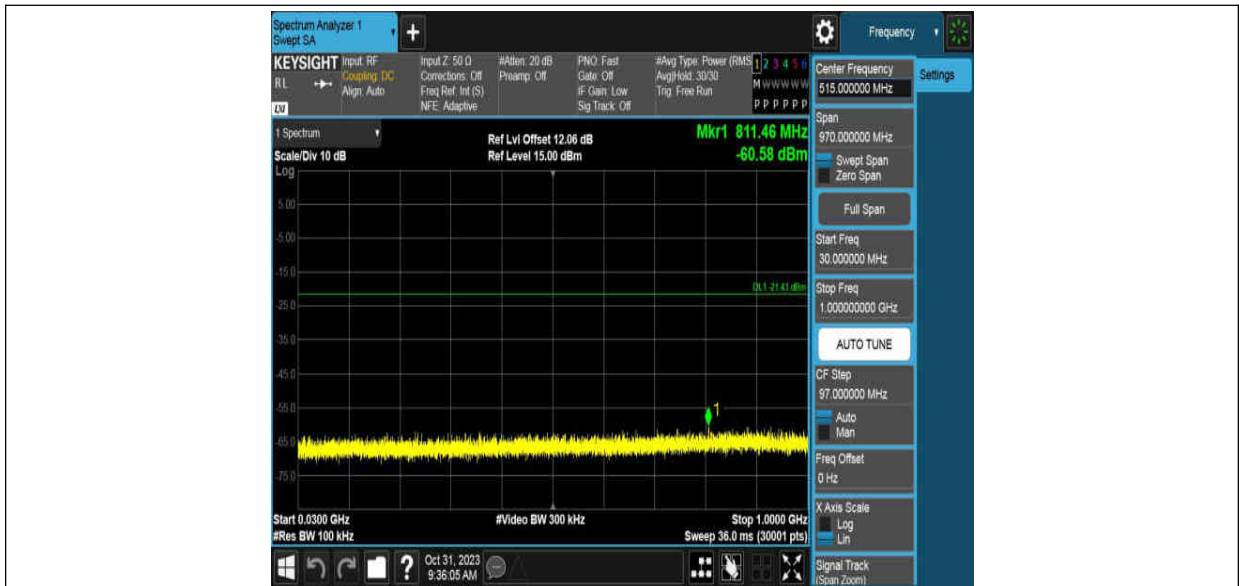


11G_Ant2_2412_30~1000

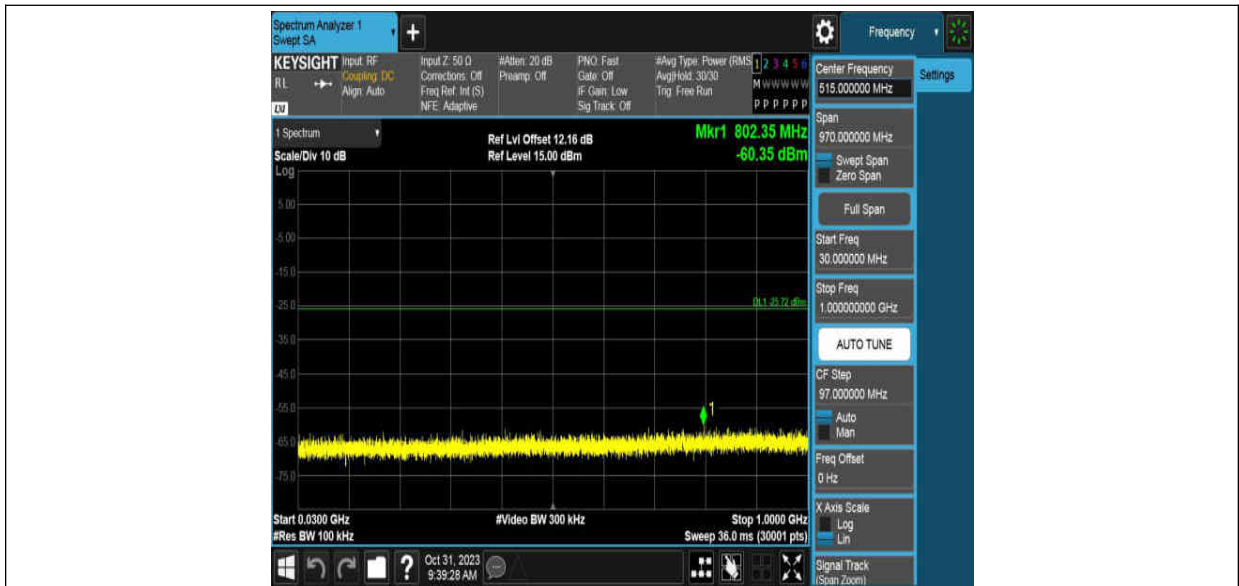


11G_Ant2_2412_1000~26500





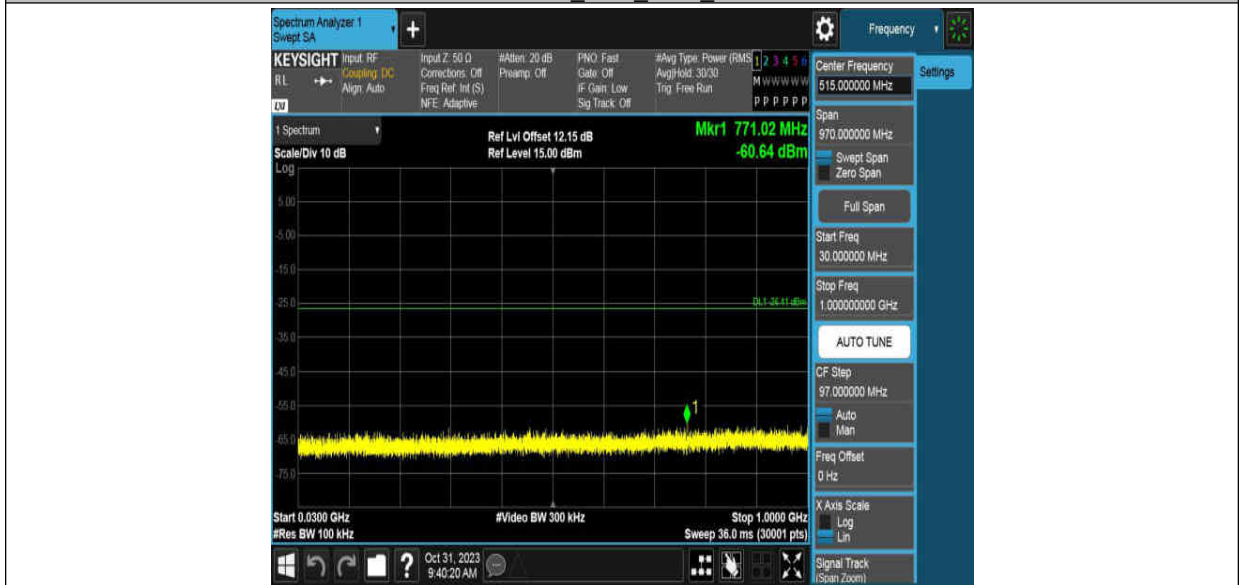




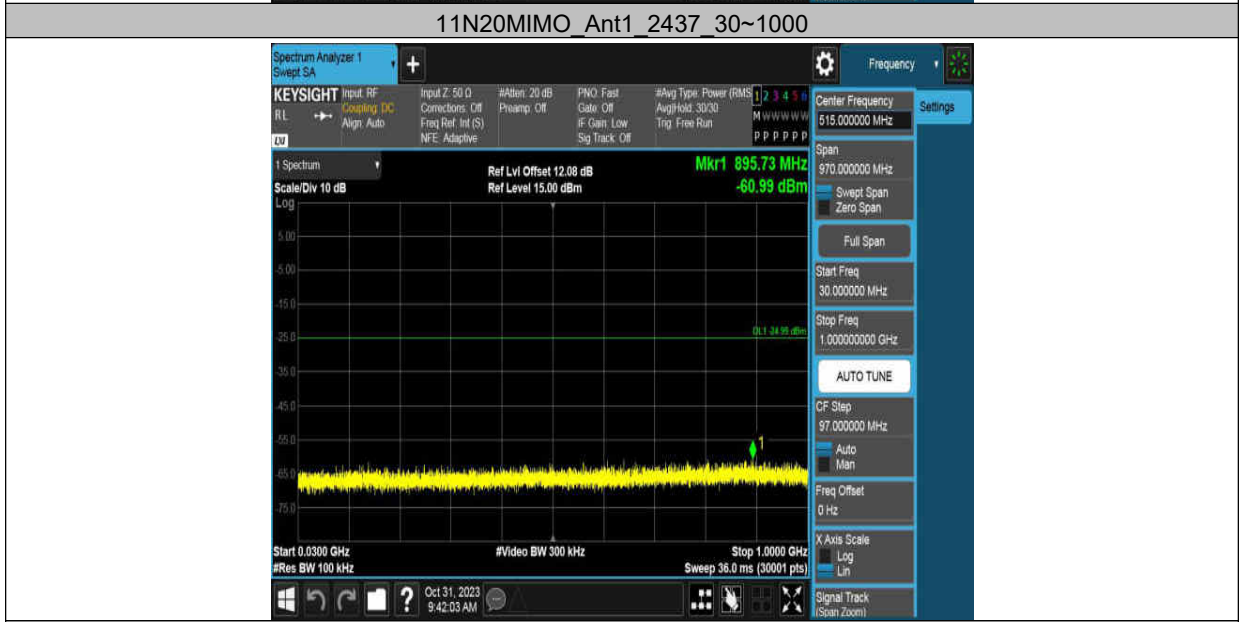
11N20MIMO_Ant1_2412_1000~26500

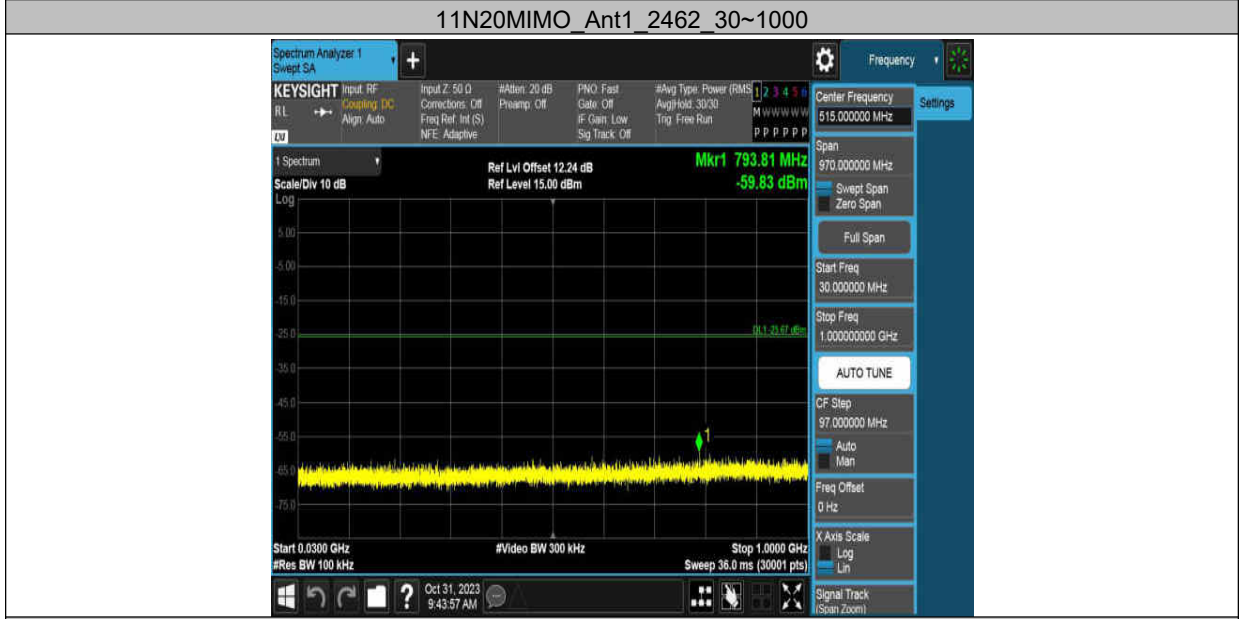
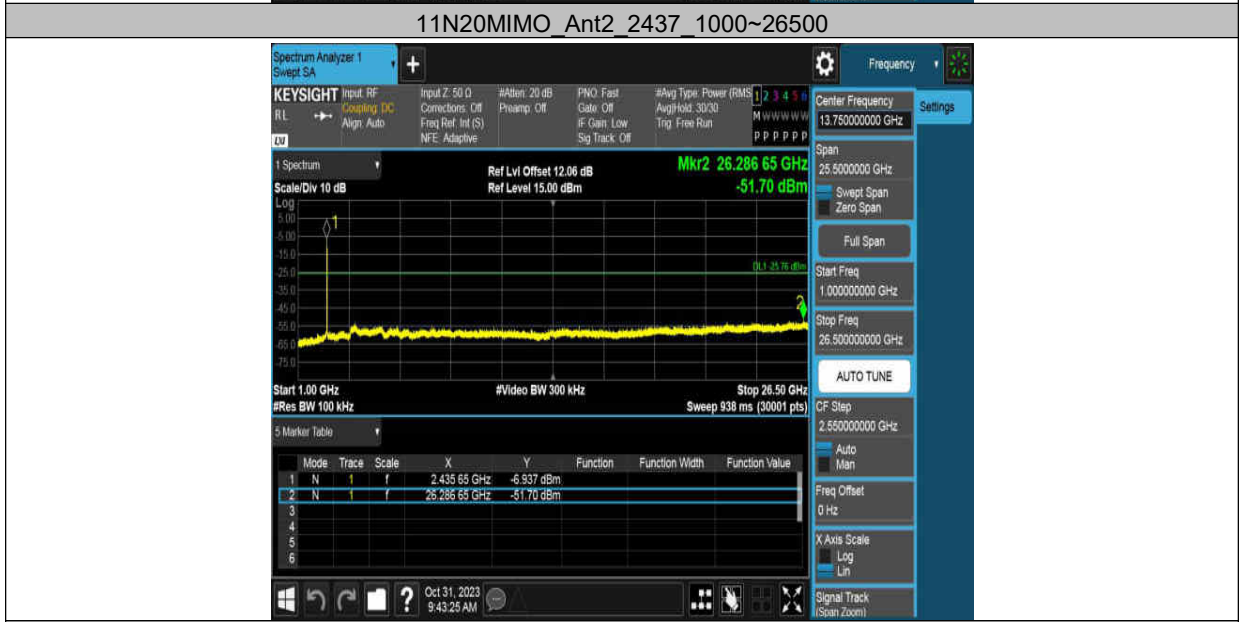
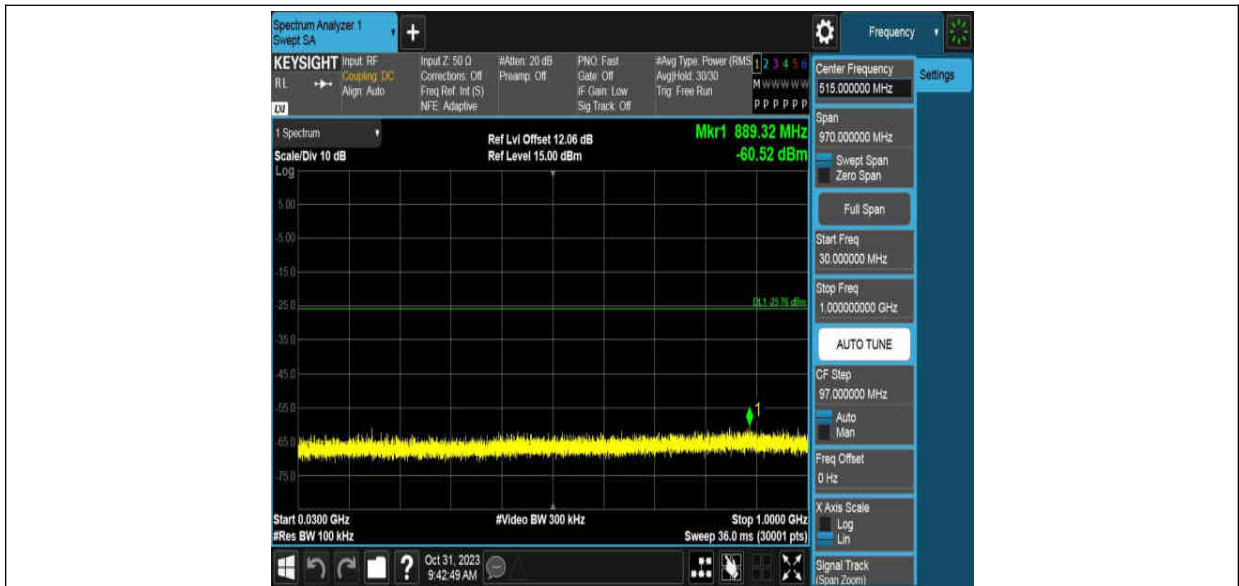


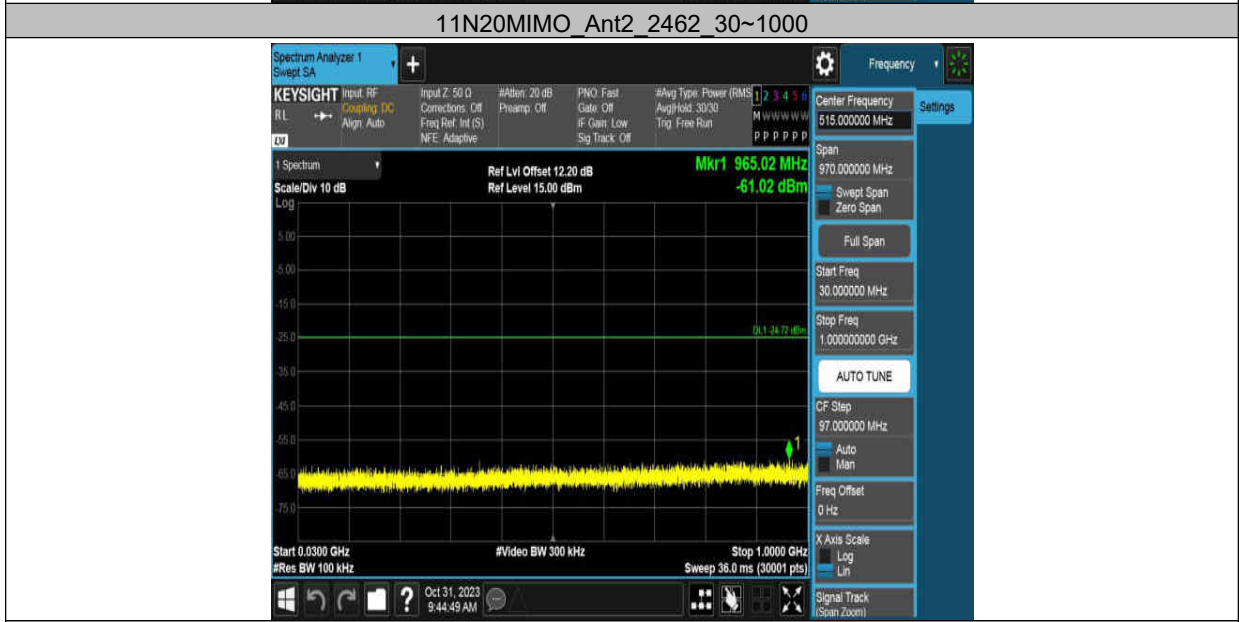
11N20MIMO_Ant2_2412_30~1000

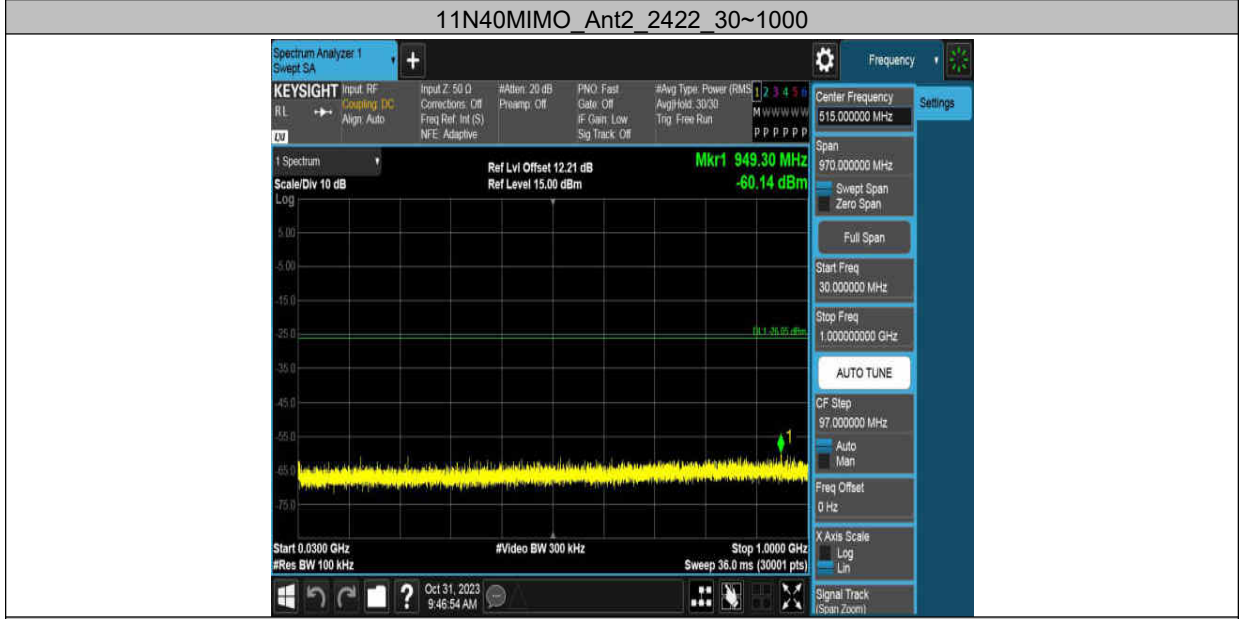
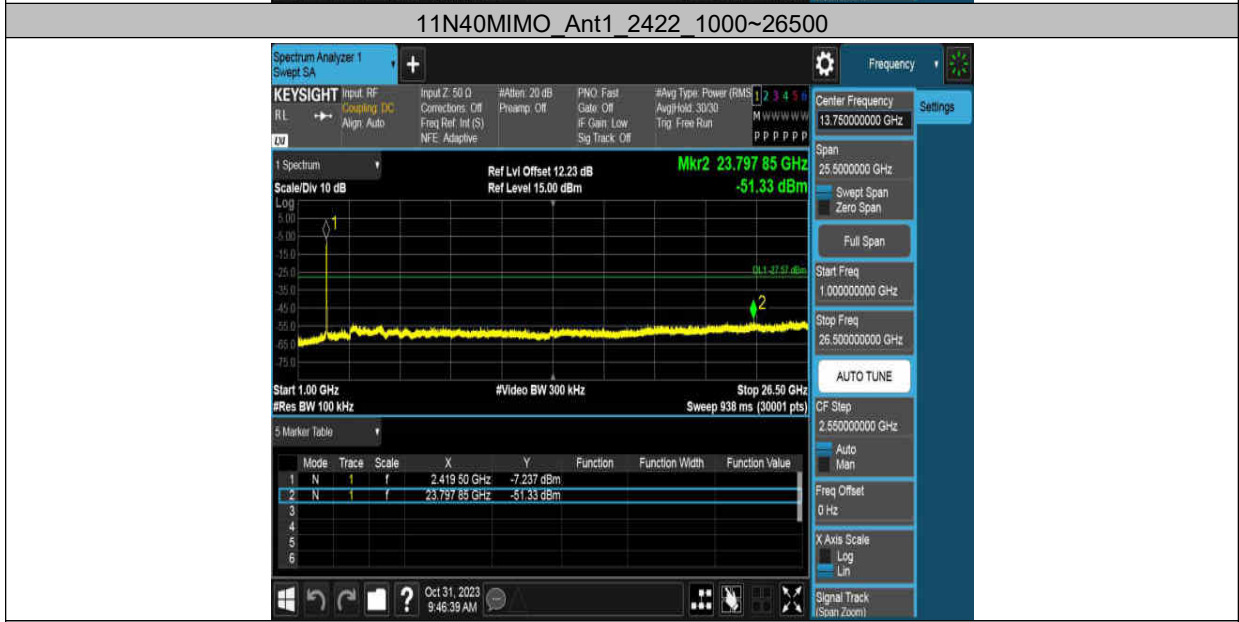


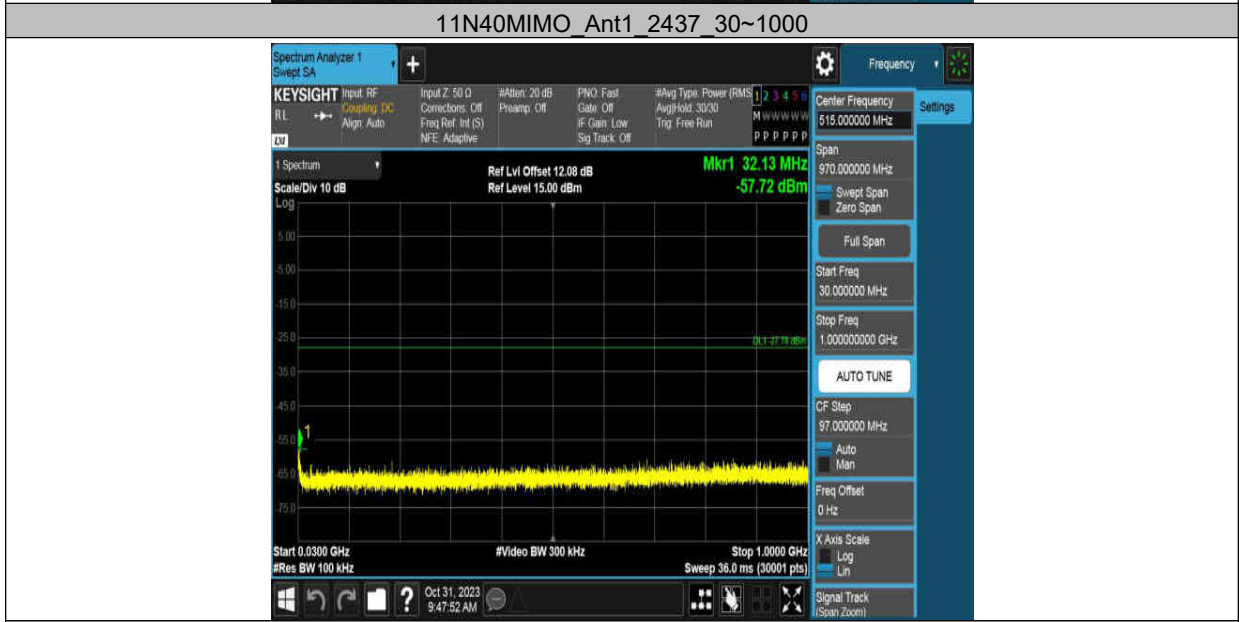
11N20MIMO_Ant2_2412_1000~26500

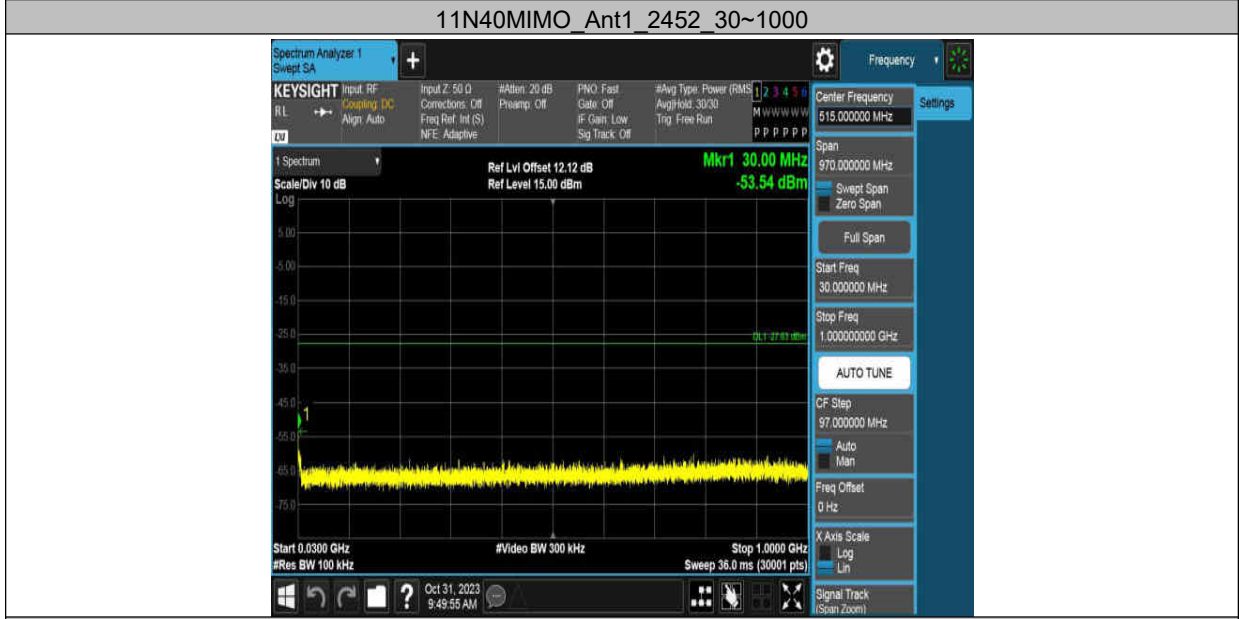
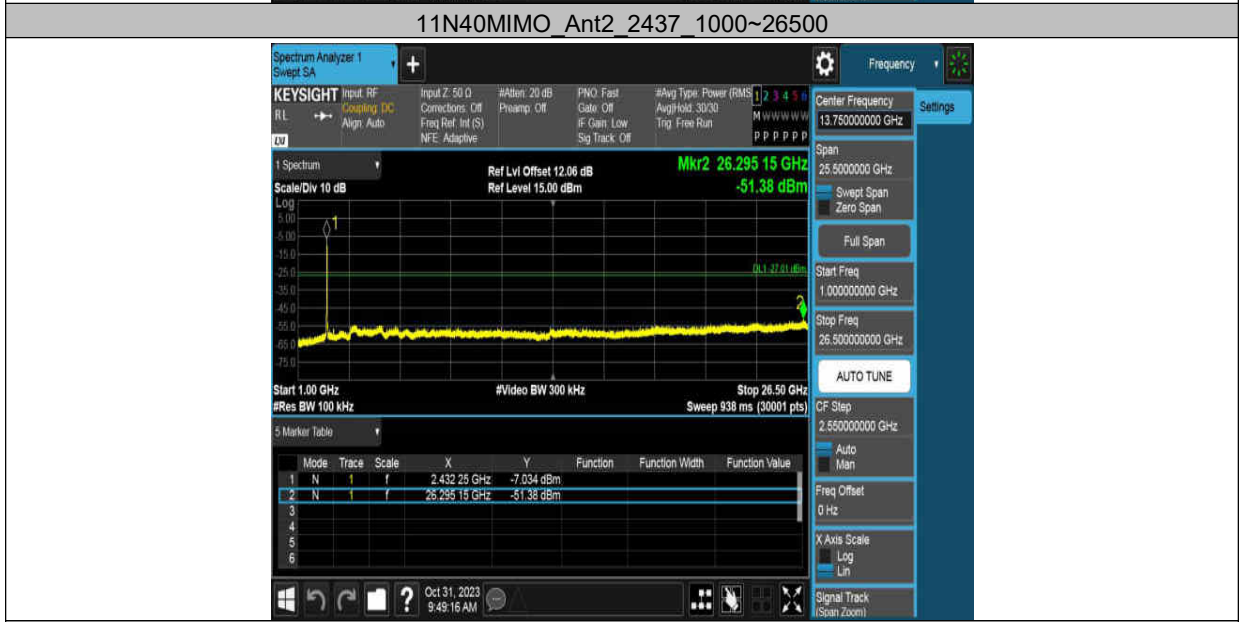
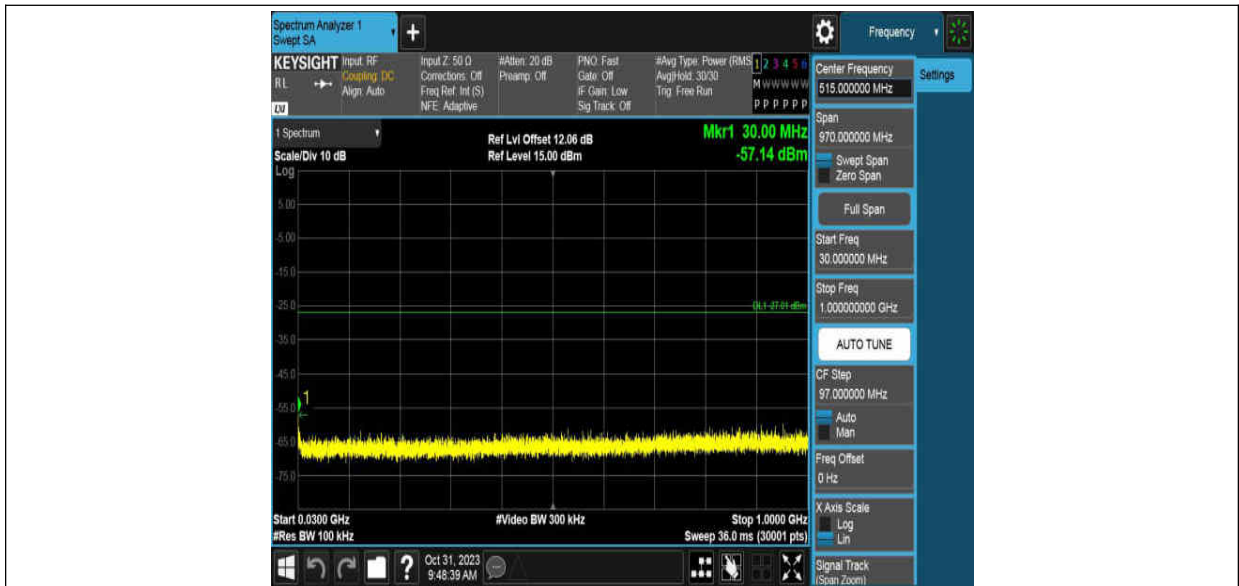














11N40MIMO_Ant2_2452_30~1000



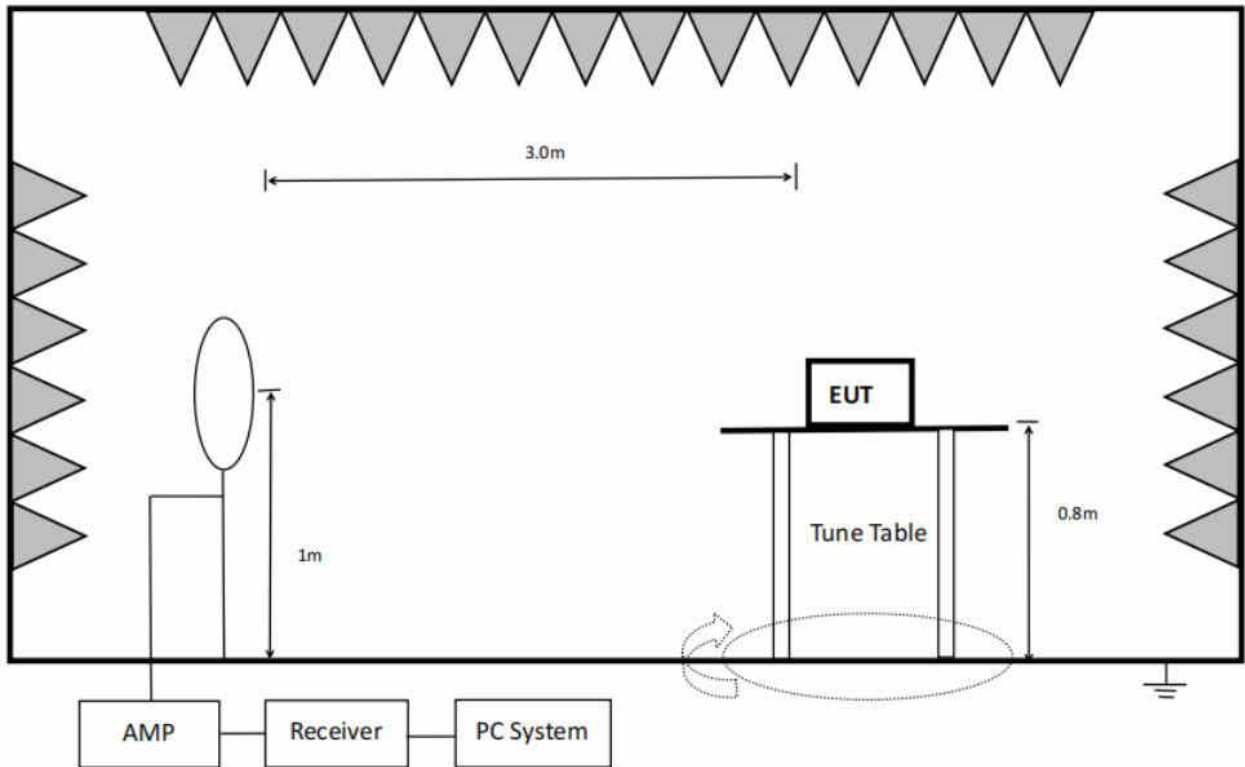
11N40MIMO_Ant2_2452_1000~26500



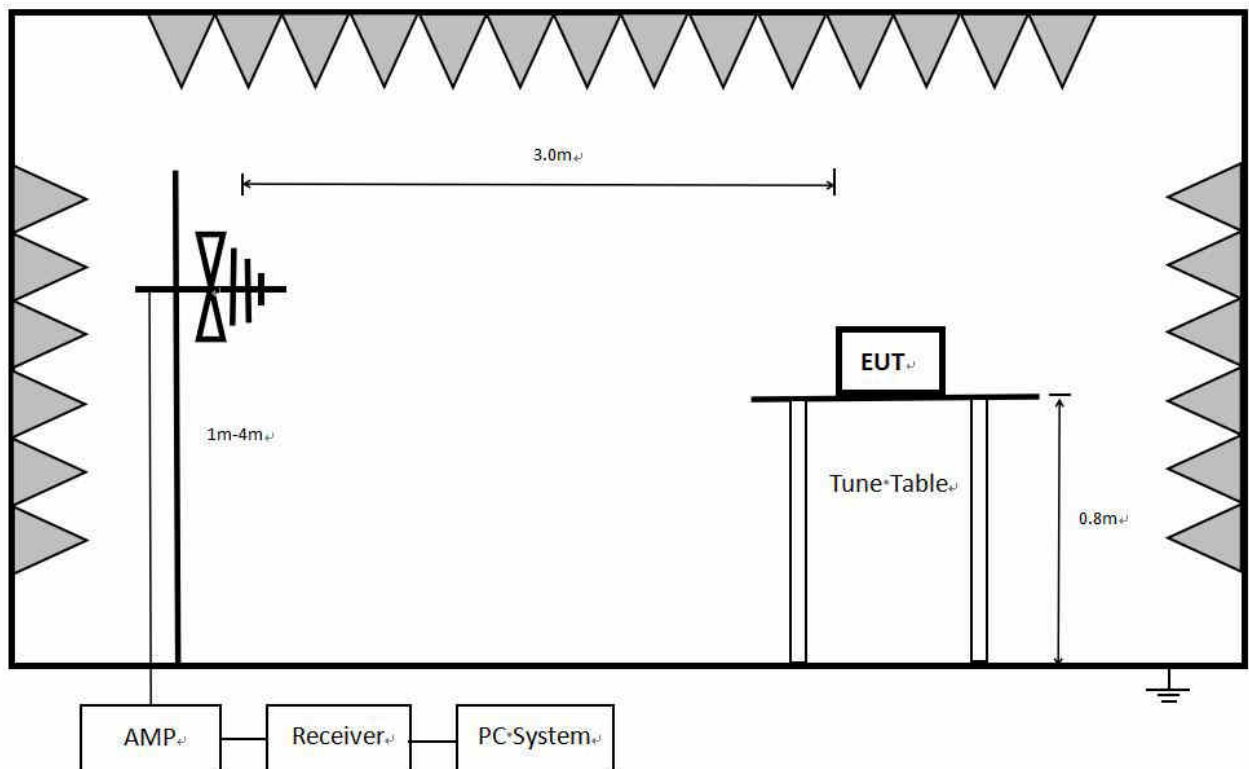
13. Radiated Emission

13.1. Block diagram of test setup

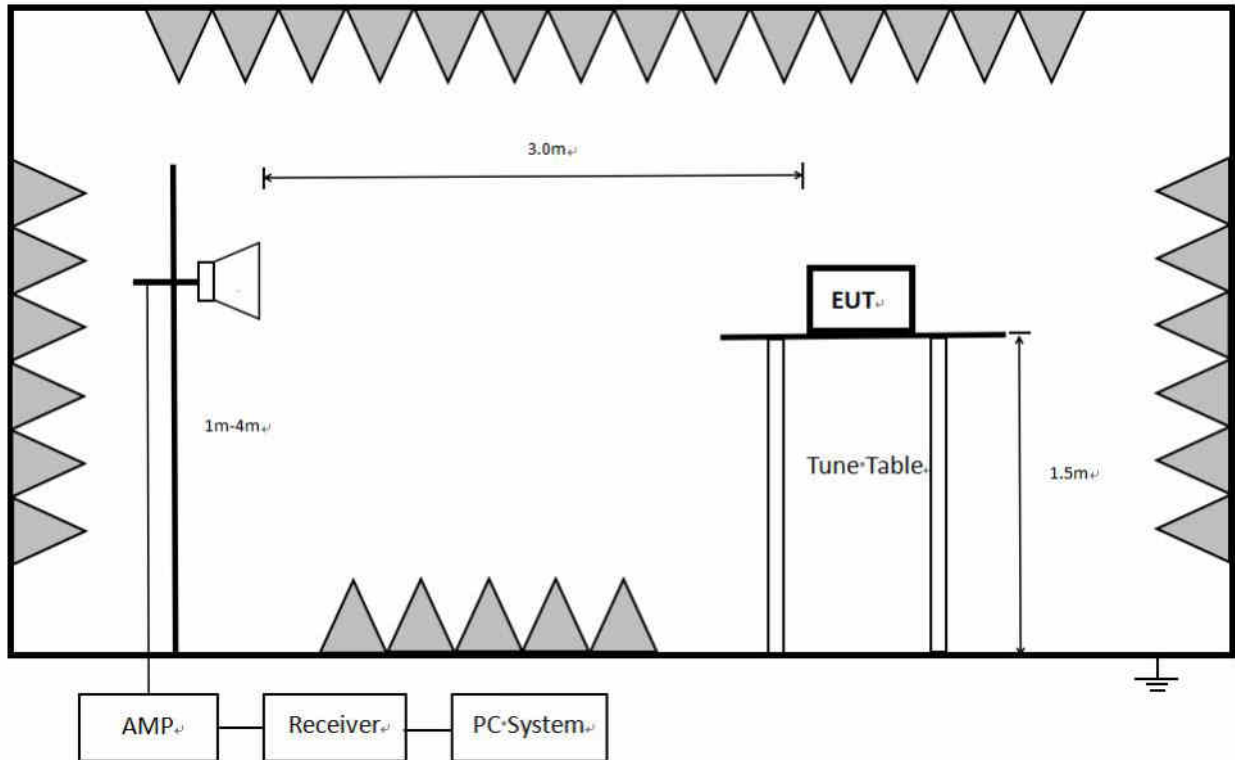
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

13.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(2) FCC 15.209 Limit.

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	$2400/F(\text{kHz})$	$67.6-20\log(F)$
0.490 ~ 1.705	30	$24000/F(\text{kHz})$	$87.6-20\log(F)$
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

Note: (1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

About Restricted bands of operation please refer to RSS-Gen section 8.10 and FCC § 15.205(a).

13.3. Test Procedure

Below 30 MHz:

The setting of the spectrum Analyzer

RBW	300 Hz (From 9 kHz to 0.15 MHz)/ 10 kHz (From 0.15 MHz to 30 MHz)
VBW	1 kHz (From 9 kHz to 0.15 MHz)/ 30 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of 1 meter height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

Below 1 GHz and above 30 MHz:

The setting of the spectrum Analyzer

RBW	100 kHz
VBW	300 kHz
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz:

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for AVG measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.
7. Restriction band: Investigated frequency range from 2310 MHz to 2430 MHz and 2445 MHz to 2500 MHz, 2310 MHz to 2450 MHz and 2425 MHz to 2500MHz.

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT does not support simultaneous transmission.

Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

13.4. Results

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz, so the final test was performed with frequency range from 30 MHz to 26 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 11G 2412MHz mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

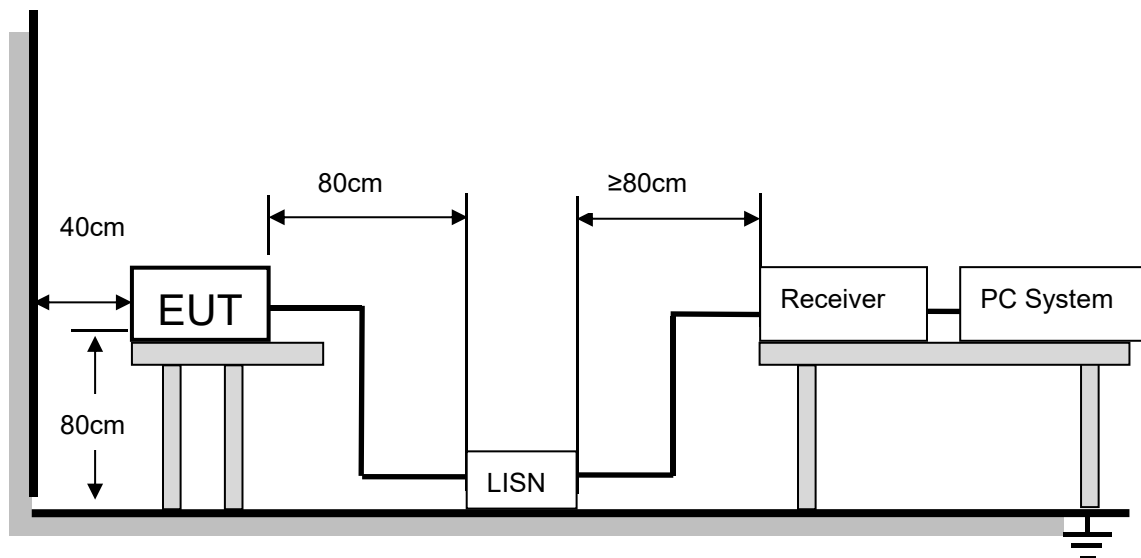
13.5. Original test data

Below 1 GHz and above 30 MHz test data Refer to appendix A

Above 1 GHz test data Refer to appendix B

14. AC Power Line Conducted Emissions

14.1. Block diagram of test setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

14.2. Limits

Please refer to CFR 47 FCC § 15.207 (a) and ISED RSS-Gen Clause 8.8.

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.4. Test result

According to 15.207, power Line Conducted Emission is not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

15. Antenna Requirements

15.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.2. Result

The antenna used for this product is Shrapnel antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 4.13 dBi

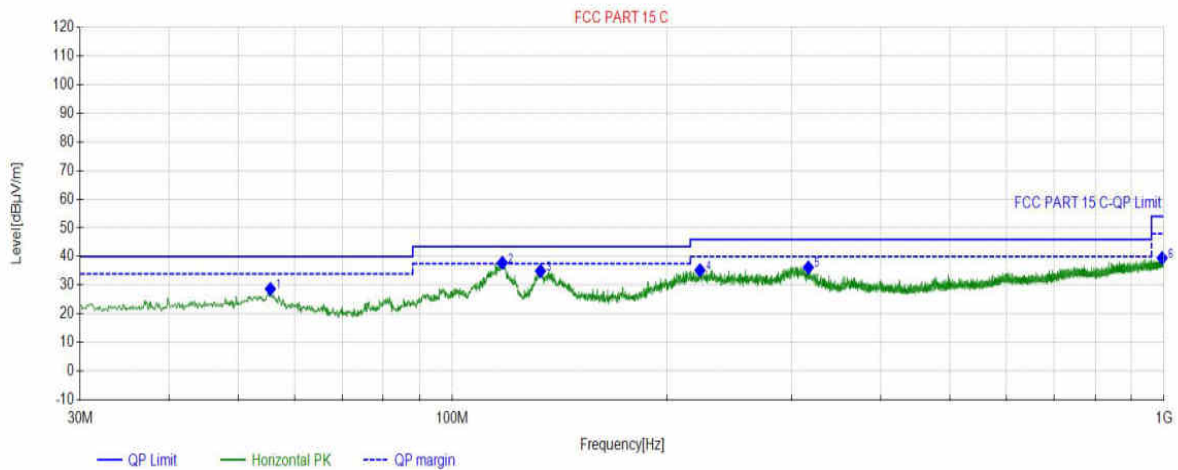
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-06 15:25:19

Test Graph



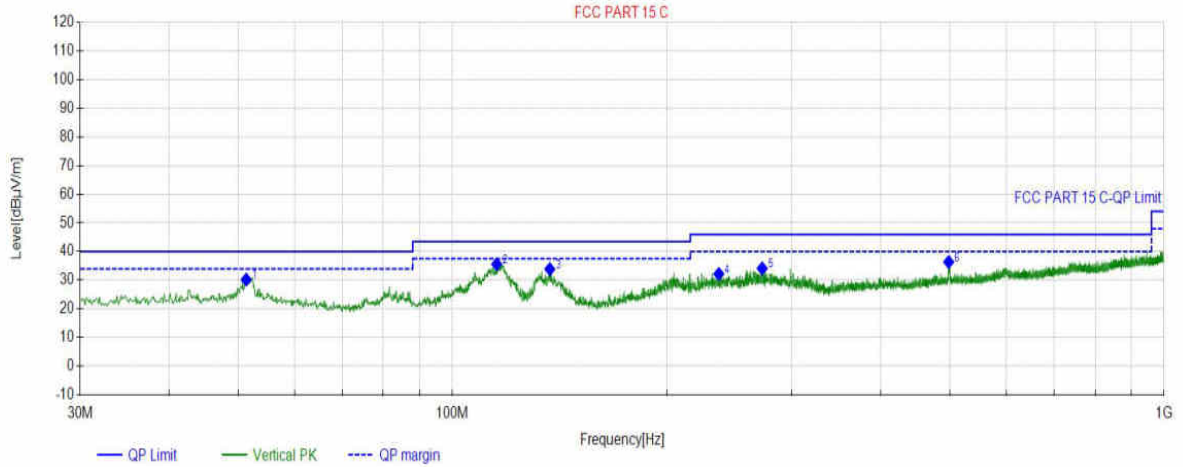
Final Data List								
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity
1	55.5136	21.82	28.69	40.00	11.31	100	144	Horizontal
2	117.5998	18.97	37.81	43.50	5.69	100	100	Horizontal
3	133.0243	17.38	34.96	43.50	8.54	100	135	Horizontal
4	222.8553	20.89	35.25	46.00	10.75	100	180	Horizontal
5	316.3726	22.72	36.20	46.00	9.80	100	150	Horizontal
6	993.8884	35.47	39.48	54.00	14.52	100	168	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-06 15:26:04

Test Graph



Final Data List								
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity
1	51.3421	22.32	30.23	40.00	9.77	100	71	Vertical
2	115.4655	19.31	35.58	43.50	7.92	100	358	Vertical
3	137.0987	17.22	33.87	43.50	9.63	100	92	Vertical
4	236.8247	21.22	32.17	46.00	13.83	100	26	Vertical
5	272.5243	21.68	34.12	46.00	11.88	100	26	Vertical
6	498.1688	27.66	36.37	46.00	9.63	100	202	Vertical

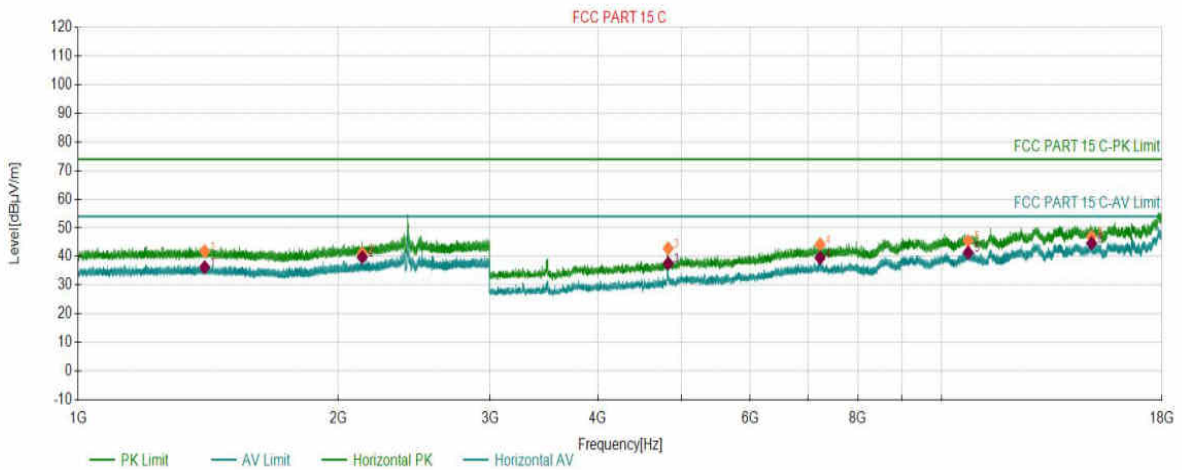
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 09:32:03

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1401.3201	3.36	41.85	74.00	32.15	150	156	Horizontal
2	2133.5567	5.93	41.25	74.00	32.75	150	58	Horizontal
3	4823.3412	-9.74	42.85	74.00	31.15	150	114	Horizontal
4	7232.4616	-1.59	44.28	74.00	29.72	150	360	Horizontal
5	10734.3867	5.18	45.44	74.00	28.56	150	360	Horizontal
6	14917.3459	11.74	46.97	74.00	27.03	150	209	Horizontal

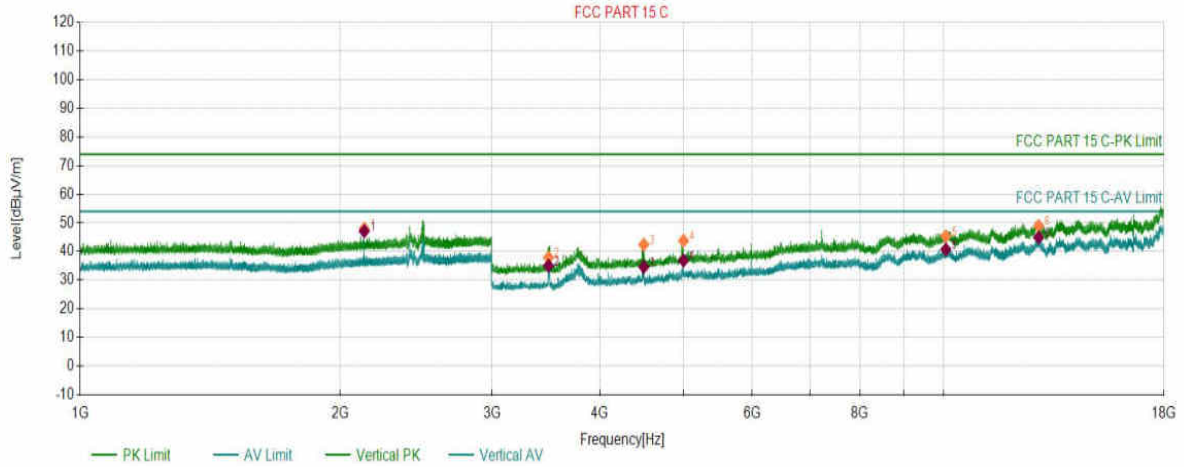
AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1401.3201	3.36	36.28	54.00	17.72	150	156	Horizontal
2	2133.5567	5.93	39.73	54.00	14.27	150	58	Horizontal
3	4823.3412	-9.74	37.59	54.00	16.41	150	114	Horizontal
4	7232.4616	-1.59	39.50	54.00	14.50	150	360	Horizontal
5	10734.3867	5.18	41.36	54.00	12.64	150	360	Horizontal
6	14917.3459	11.74	44.64	54.00	9.36	150	209	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 09:33:31

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2133.4567	5.93	48.01	74.00	25.99	150	82	Vertical
2	3487.5244	-14.89	37.94	74.00	36.06	150	68	Vertical
3	4495.5748	-11.16	42.41	74.00	31.59	150	49	Vertical
4	4998.0999	-8.71	43.78	74.00	30.22	150	86	Vertical
5	10060.1030	4.33	45.35	74.00	28.65	150	162	Vertical
6	12886.2443	9.14	48.96	74.00	25.04	150	104	Vertical

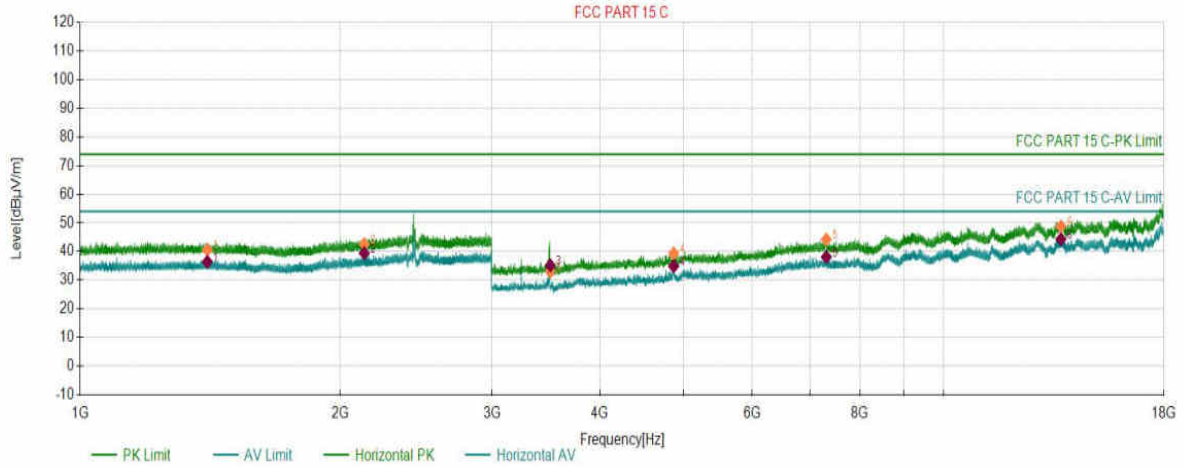
AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2133.4567	5.93	47.09	54.00	6.91	150	82	Vertical
2	3487.5244	-14.89	35.05	54.00	18.95	150	68	Vertical
3	4495.5748	-11.16	34.66	54.00	19.34	150	49	Vertical
4	4998.0999	-8.71	36.85	54.00	17.15	150	86	Vertical
5	10060.1030	4.33	40.74	54.00	13.26	150	162	Vertical
6	12886.2443	9.14	44.91	54.00	9.09	150	104	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2437	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 09:44:20

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1403.8202	3.36	40.62	74.00	33.38	150	323	Horizontal
2	2133.3567	5.93	42.62	74.00	31.38	150	118	Horizontal
3	3503.2752	-14.85	33.03	74.00	40.97	150	315	Horizontal
4	4868.3434	-9.50	39.34	74.00	34.66	150	105	Horizontal
5	7314.9657	-1.34	44.24	74.00	29.76	150	351	Horizontal
6	13675.2838	10.78	48.78	74.00	25.22	150	174	Horizontal

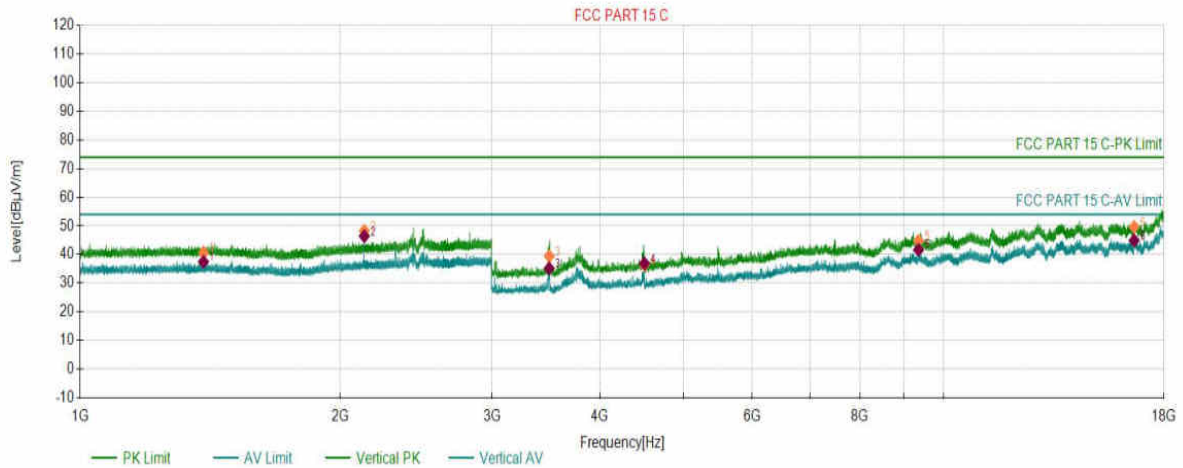
AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1403.8202	3.36	36.43	54.00	17.57	150	323	Horizontal
2	2133.3567	5.93	39.42	54.00	14.58	150	118	Horizontal
3	3503.2752	-14.85	35.17	54.00	18.83	150	315	Horizontal
4	4868.3434	-9.50	34.87	54.00	19.13	150	105	Horizontal
5	7314.9657	-1.34	38.12	54.00	15.88	150	351	Horizontal
6	13675.2838	10.78	44.33	54.00	9.67	150	174	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2437	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 09:46:01

Test Graph



PK Final Data List

NO.	Freq. (MHz)	Factor (dB)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1389.5195	3.29	40.69	74.00	33.31	150	204	Vertical
2	2133.3567	5.93	48.28	74.00	25.72	150	87	Vertical
3	3493.5247	-14.86	39.42	74.00	34.58	150	115	Vertical
4	4503.8252	-11.15	36.39	74.00	37.61	150	181	Vertical
5	9352.0676	3.43	44.76	74.00	29.24	150	210	Vertical
6	16622.9311	12.23	49.64	74.00	24.36	150	106	Vertical

AV Final Data List

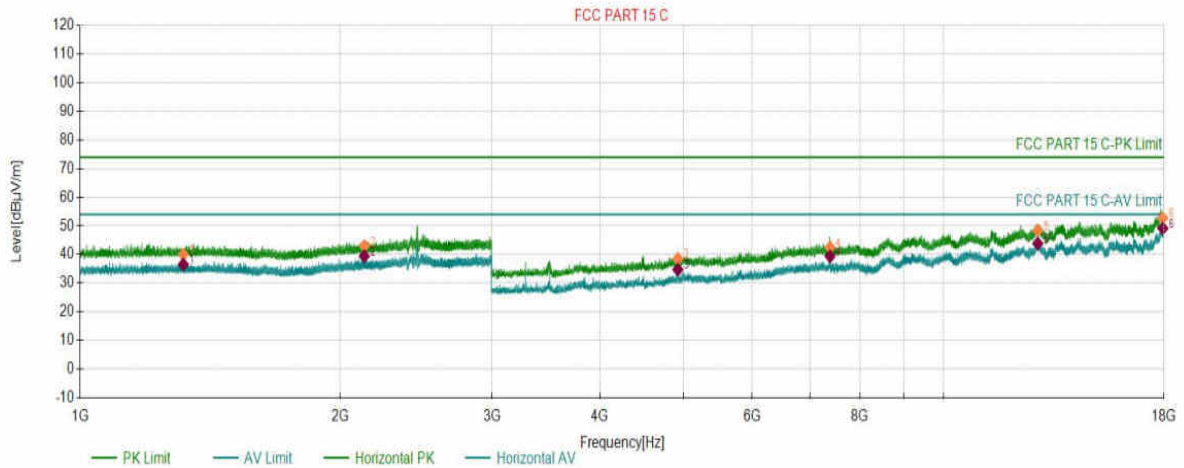
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1389.5195	3.29	37.49	54.00	16.51	150	204	Vertical
2	2133.3567	5.93	46.41	54.00	7.59	150	87	Vertical
3	3493.5247	-14.86	35.16	54.00	18.84	150	115	Vertical
4	4503.8252	-11.15	36.92	54.00	17.08	150	181	Vertical
5	9352.0676	3.43	41.62	54.00	12.38	150	210	Vertical
6	16622.9311	12.23	44.90	54.00	9.10	150	106	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 09:48:43

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1316.6158	2.81	40.01	74.00	33.99	150	298	Horizontal
2	2133.3567	5.93	42.97	74.00	31.03	150	52	Horizontal
3	4923.0962	-9.18	38.51	74.00	35.49	150	106	Horizontal
4	7387.7194	-1.75	42.44	74.00	31.56	150	359	Horizontal
5	12854.7427	9.13	48.47	74.00	25.53	150	271	Horizontal
6	17942.9972	17.17	52.68	74.00	21.32	150	339	Horizontal

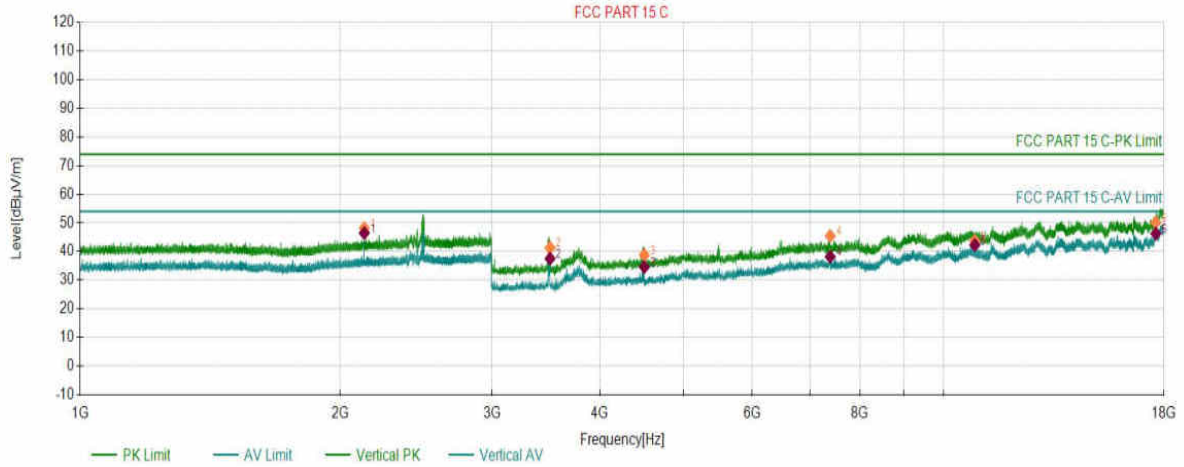
AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1316.6158	2.81	36.54	54.00	17.46	150	298	Horizontal
2	2133.3567	5.93	39.40	54.00	14.60	150	52	Horizontal
3	4923.0962	-9.18	34.74	54.00	19.26	150	106	Horizontal
4	7387.7194	-1.75	39.39	54.00	14.61	150	359	Horizontal
5	12854.7427	9.13	43.86	54.00	10.14	150	271	Horizontal
6	17942.9972	17.17	49.15	54.00	4.85	150	339	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 09:50:25

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2133.4567	5.93	48.17	74.00	25.83	150	95	Vertical
2	3501.0251	-14.84	41.31	74.00	32.69	150	100	Vertical
3	4501.5751	-11.15	38.74	74.00	35.26	150	165	Vertical
4	7390.7195	-1.77	45.45	74.00	28.55	150	119	Vertical
5	10867.8934	5.12	43.68	74.00	30.32	150	310	Vertical
6	17612.2306	14.50	50.12	74.00	23.88	150	337	Vertical

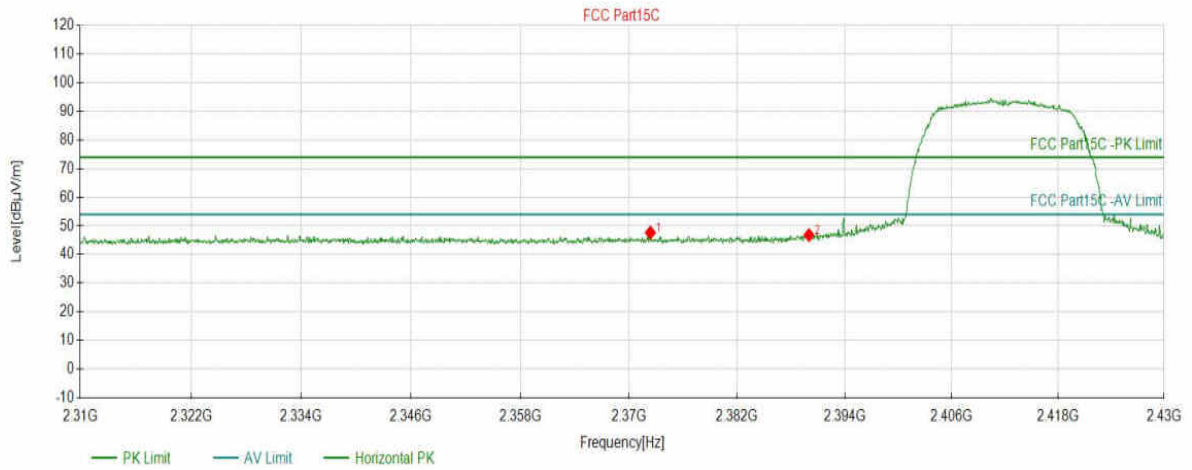
AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2133.4567	5.93	46.45	54.00	7.55	150	95	Vertical
2	3501.0251	-14.84	37.53	54.00	16.47	150	100	Vertical
3	4501.5751	-11.15	34.58	54.00	19.42	150	165	Vertical
4	7390.7195	-1.77	38.18	54.00	15.82	150	119	Vertical
5	10867.8934	5.12	42.27	54.00	11.73	150	310	Vertical
6	17612.2306	14.50	46.29	54.00	7.71	150	337	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 11:20:38

Test Graph



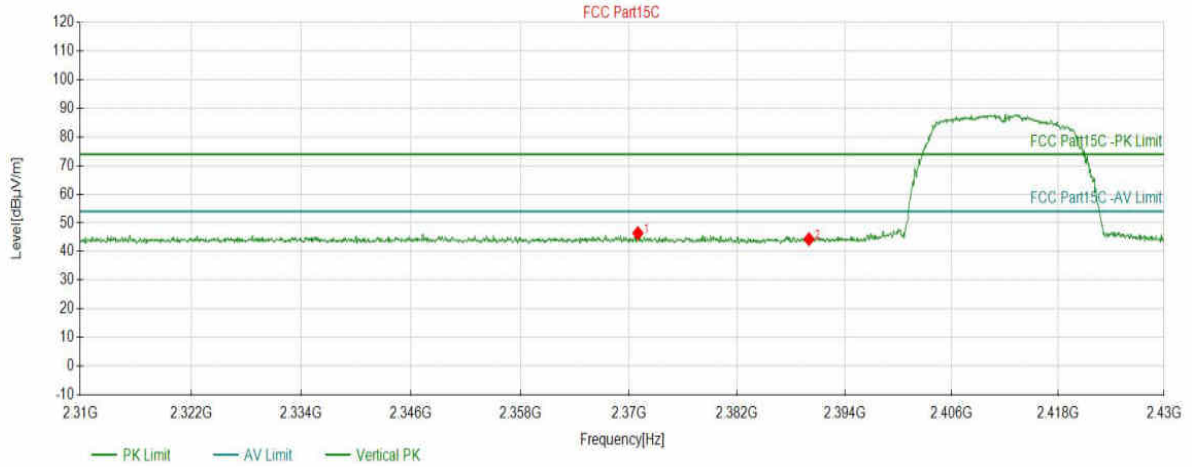
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2372.3712	47.65	5.97	74.00	26.35	150	0	PK	Horizontal
2	2390.0200	46.81	5.95	74.00	27.19	150	0	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 11:21:26

Test Graph



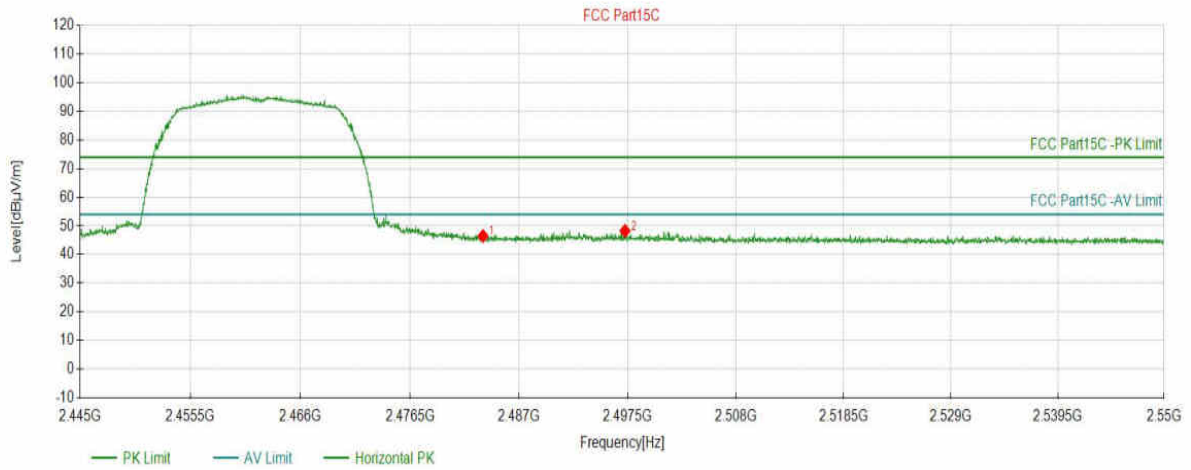
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2370.9905	46.41	5.97	74.00	27.59	150	92	PK	Vertical
2	2390.0200	44.33	5.95	74.00	29.67	150	4	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 11:24:57

Test Graph



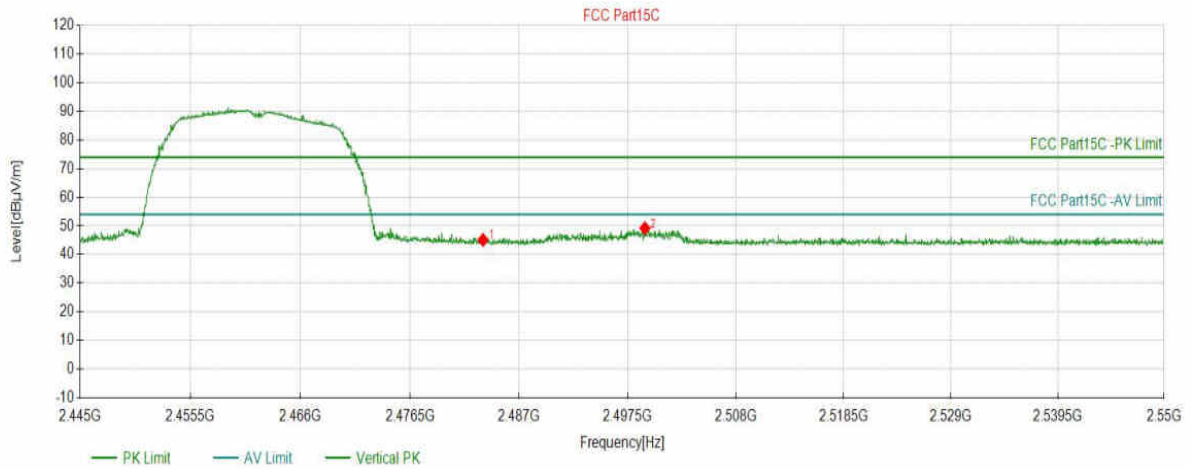
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	46.47	6.50	74.00	27.53	150	104	PK	Horizontal
2	2497.2374	48.28	6.59	74.00	25.72	150	52	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 6		

Start of Test: 2023-11-04 11:25:34

Test Graph



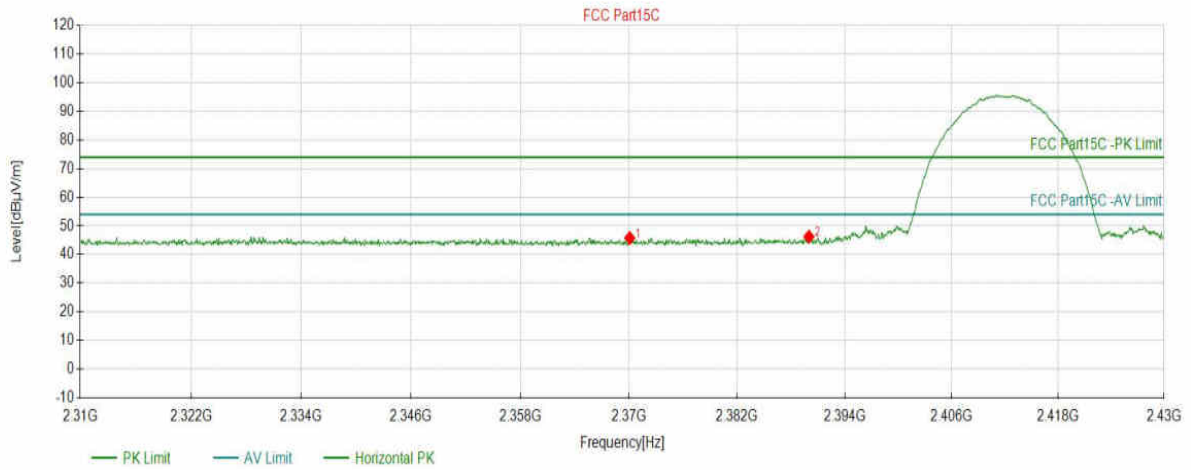
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	45.10	6.50	74.00	28.90	150	271	PK	Vertical
2	2499.1631	49.19	6.60	74.00	24.81	150	114	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 9		

Start of Test: 2023-11-04 11:33:18

Test Graph



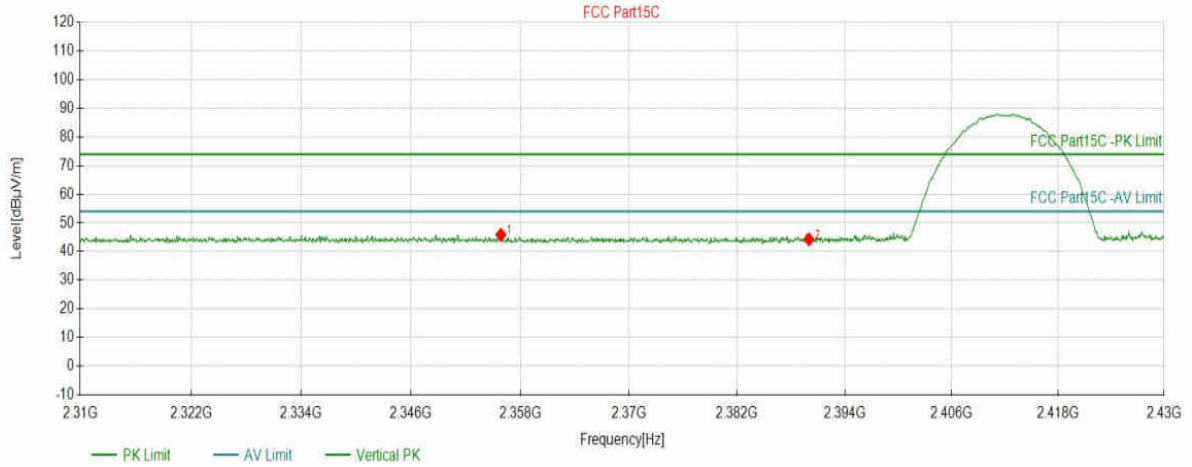
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2370.0900	45.76	5.97	74.00	28.24	150	3	PK	Horizontal
2	2390.0200	46.24	5.95	74.00	27.76	150	22	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 9		

Start of Test: 2023-11-04 11:34:07

Test Graph



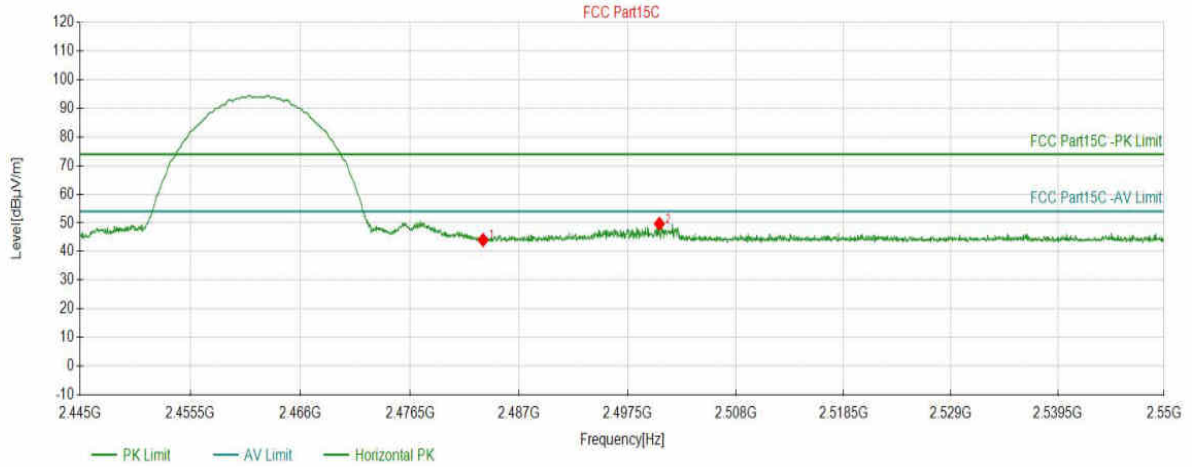
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2355.8629	45.87	5.98	74.00	28.13	150	354	PK	Vertical
2	2390.0200	44.26	5.95	74.00	29.74	150	128	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 9		

Start of Test: 2023-11-04 11:36:23

Test Graph



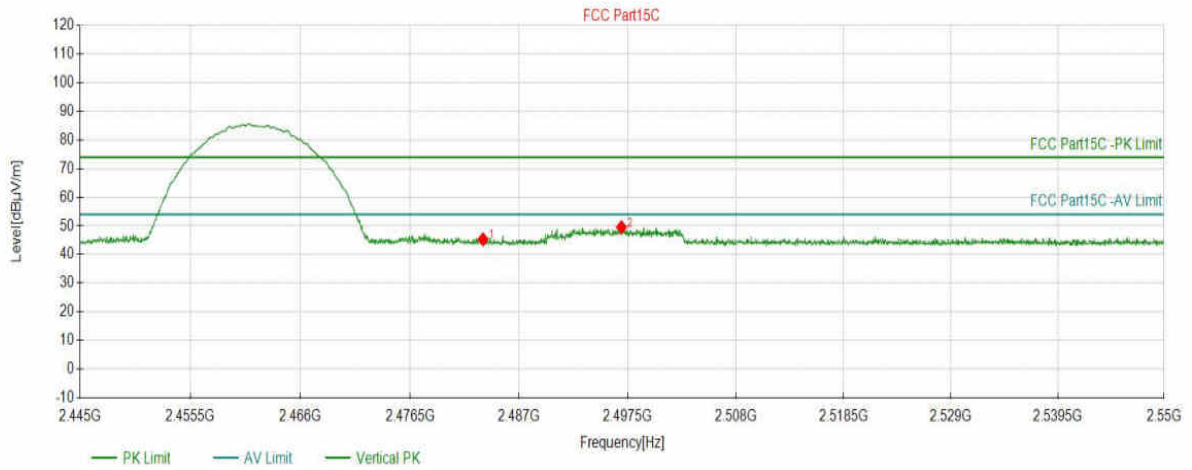
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	44.04	6.50	74.00	29.96	150	90	PK	Horizontal
2	2500.5635	49.70	6.61	74.00	24.30	150	131	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 9		

Start of Test: 2023-11-04 11:37:08

Test Graph



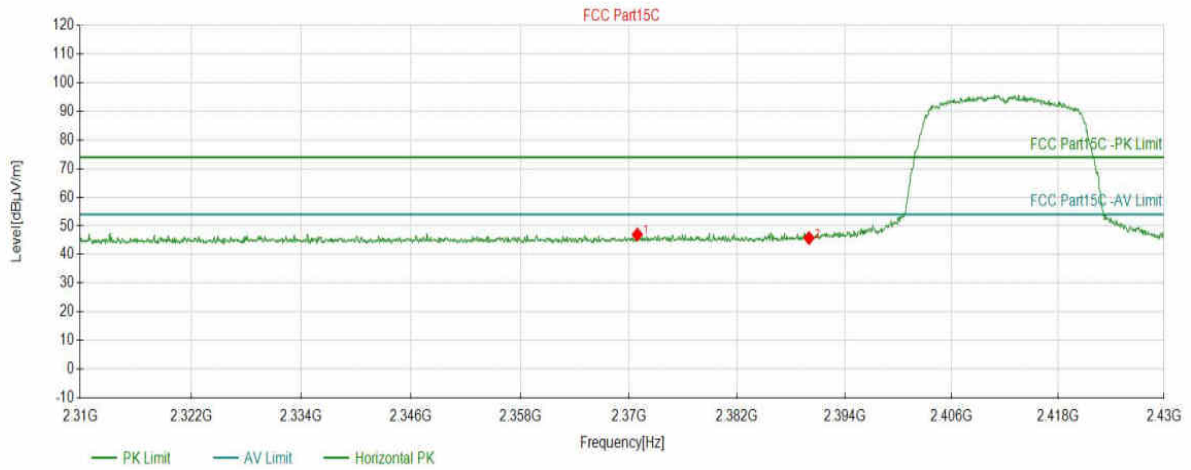
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	45.30	6.50	74.00	28.70	150	70	PK	Vertical
2	2496.8873	49.55	6.59	74.00	24.45	150	110	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N20_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:39:32

Test Graph



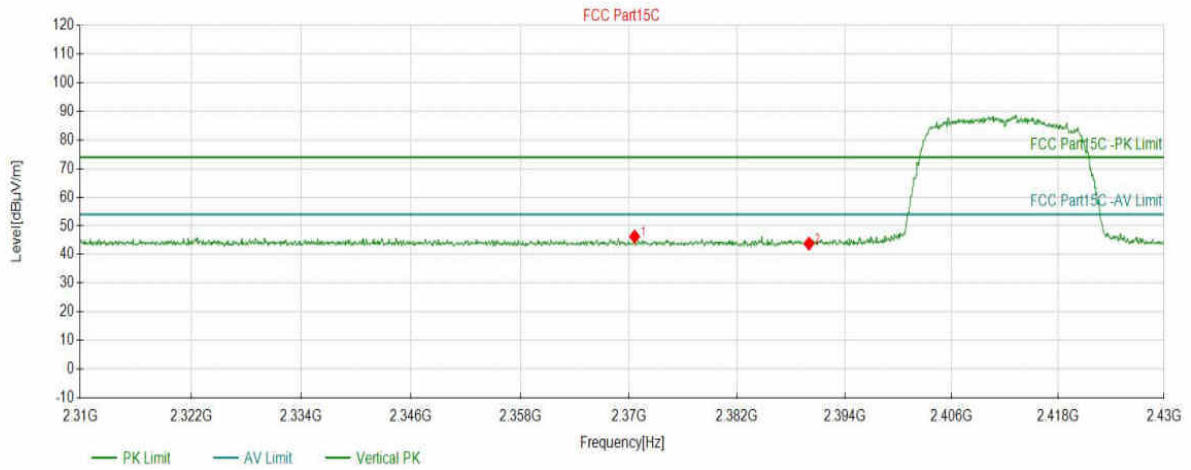
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2370.9305	46.97	5.97	74.00	27.03	150	329	PK	Horizontal
2	2390.0200	45.76	5.95	74.00	28.24	150	7	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N20_2412	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:40:20

Test Graph



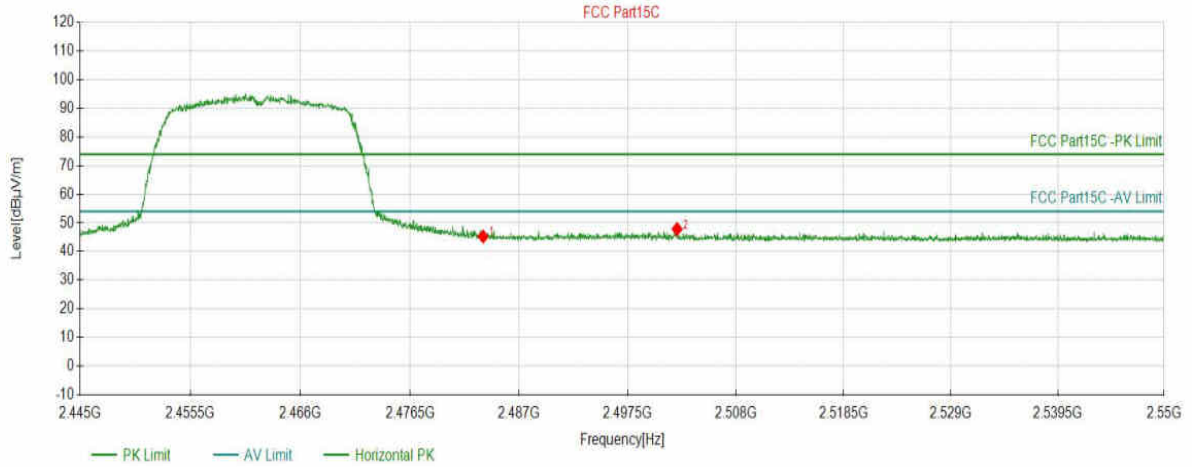
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2370.6303	46.30	5.97	74.00	27.70	150	152	PK	Vertical
2	2390.0200	43.81	5.95	74.00	30.19	150	337	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N20_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:43:18

Test Graph



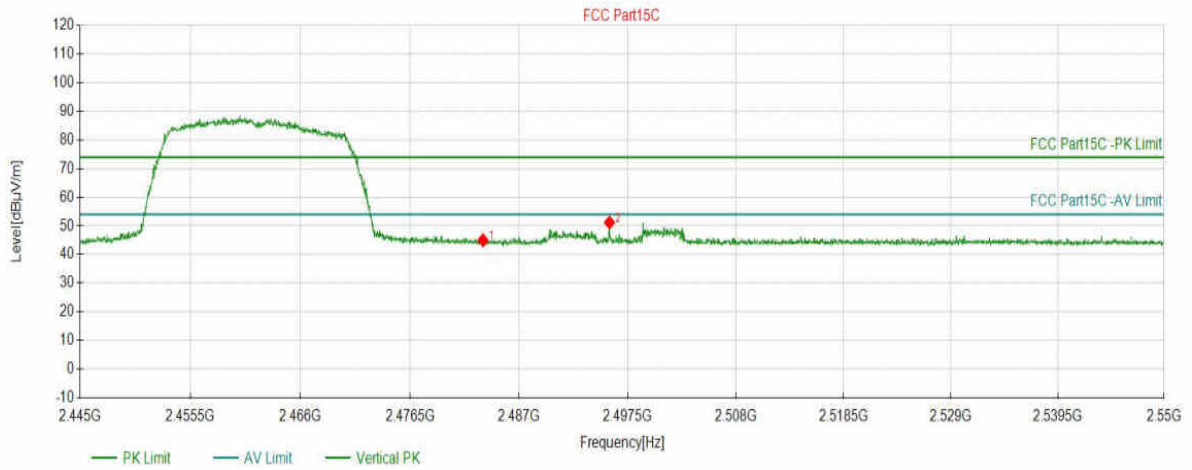
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	45.23	6.50	74.00	28.77	150	91	PK	Horizontal
2	2502.2791	47.83	6.61	74.00	26.17	150	336	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N20_2462	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:43:55

Test Graph



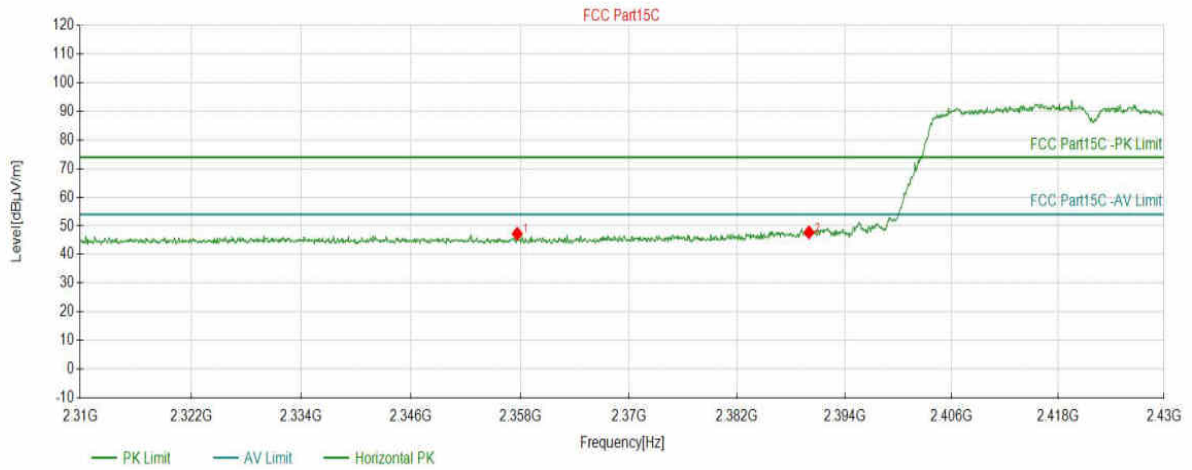
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	44.99	6.50	74.00	29.01	150	269	PK	Vertical
2	2495.7319	51.16	6.58	74.00	22.84	150	75	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N40_2422	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:47:48

Test Graph



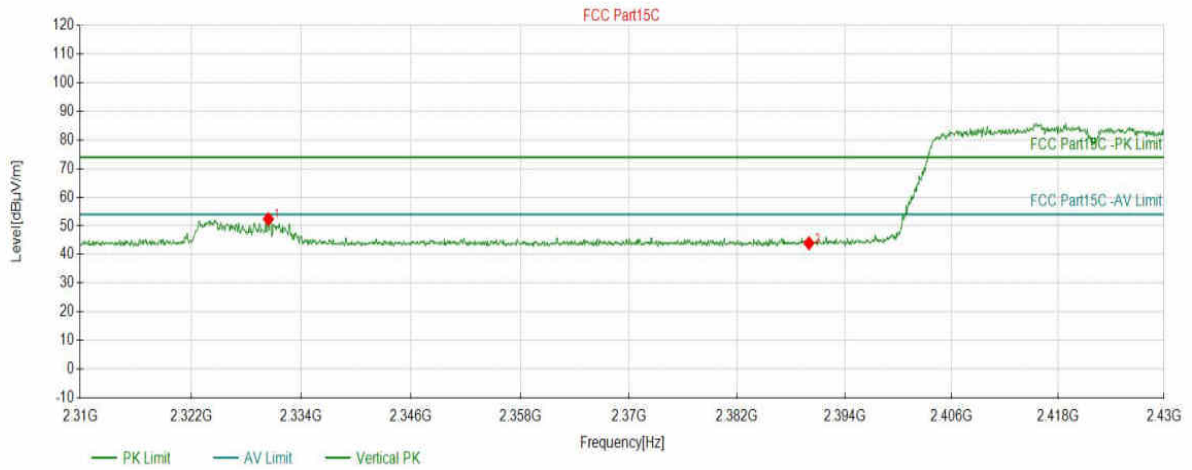
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2357.6638	47.24	5.98	74.00	26.76	150	104	PK	Horizontal
2	2390.0200	47.74	5.95	74.00	26.26	150	0	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N40_2422	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:48:28

Test Graph



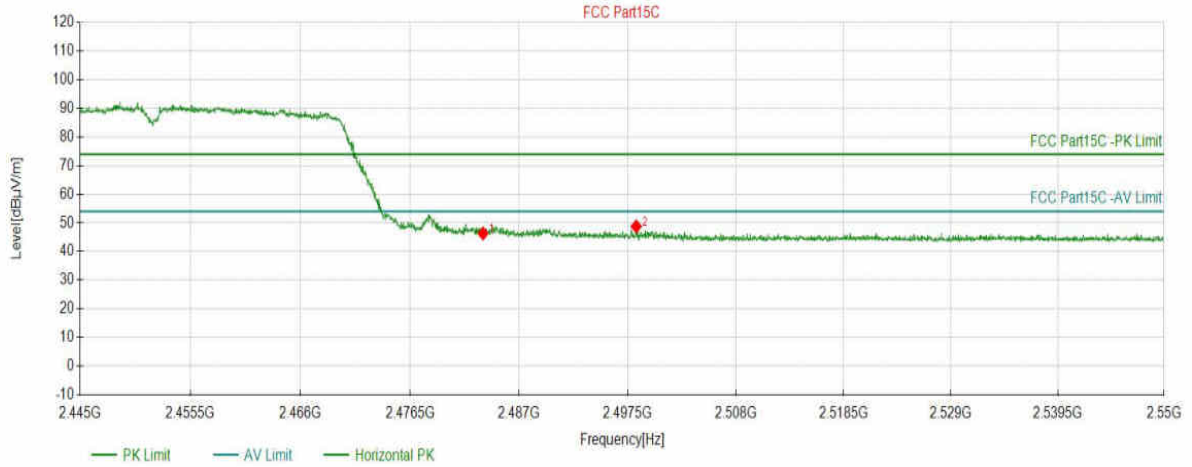
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2330.4102	52.40	6.01	74.00	21.60	150	210	PK	Vertical
2	2390.0200	43.96	5.95	74.00	30.04	150	281	PK	Vertical

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N40_2452	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:50:51

Test Graph



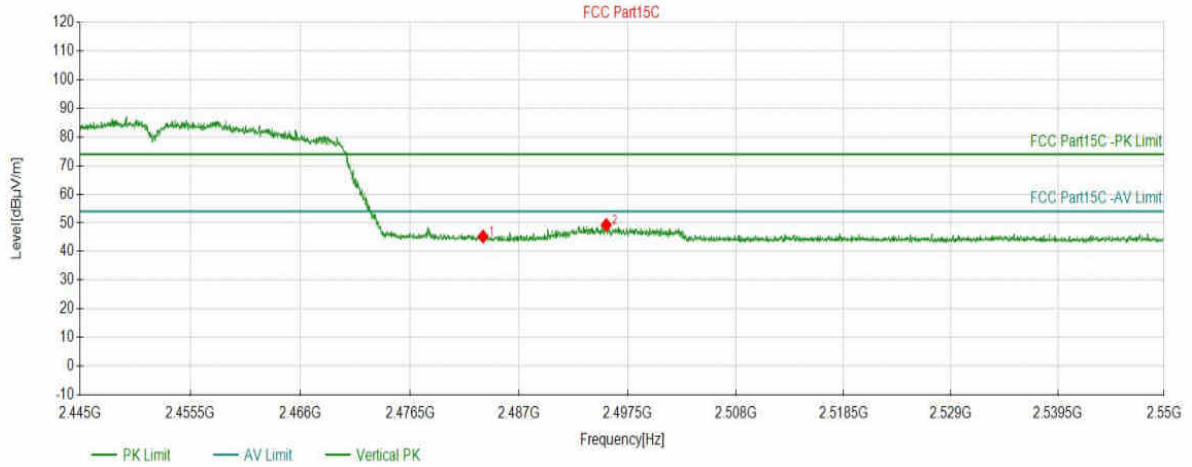
Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	46.33	6.50	74.00	27.67	150	88	PK	Horizontal
2	2498.3228	48.78	6.60	74.00	25.22	150	37	PK	Horizontal

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R	Environment:	24.7°C 53%
Model:	SKI.WB663U.17	SN:	
Mode:	11N40_2452	Voltage:	DC 3.3V+/-0.3
Customer:		Engineer:	Soho Liu
Remark:	Power set : 5		

Start of Test: 2023-11-04 11:51:36

Test Graph



Suspected Data List									
NO.	Freq. (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector	Polarity
1	2483.5128	45.26	6.50	74.00	28.74	150	166	PK	Vertical
2	2495.4168	49.28	6.58	74.00	24.72	150	115	PK	Vertical

END OF REPORT