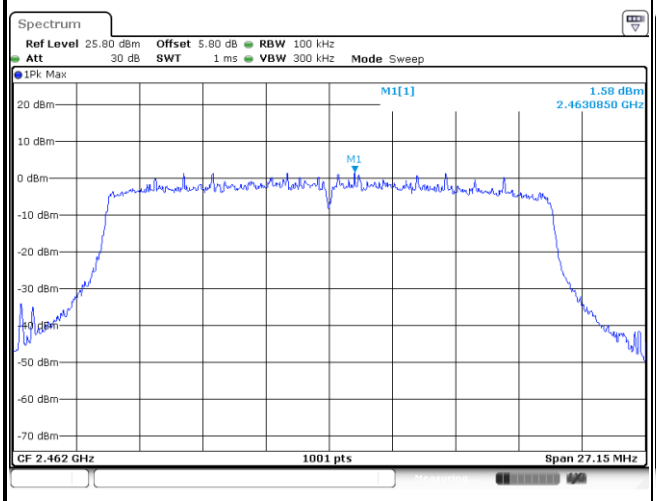
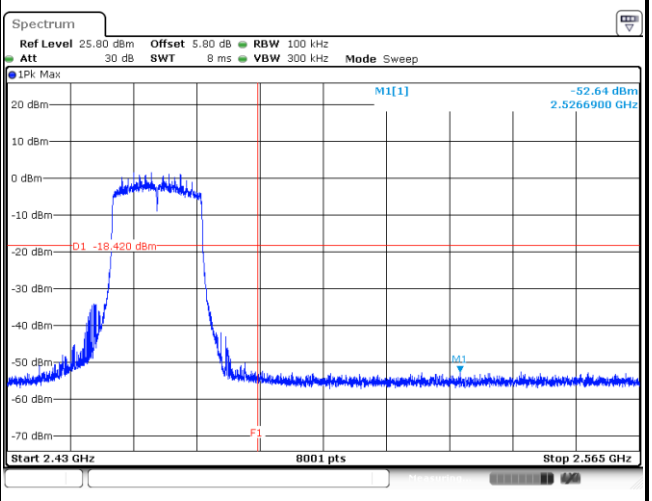
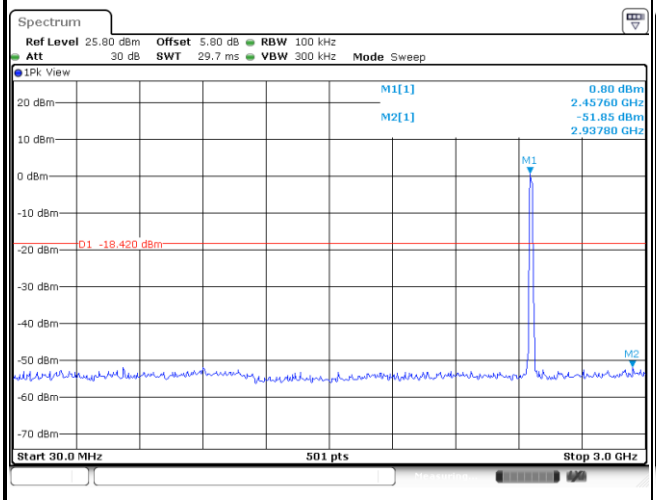
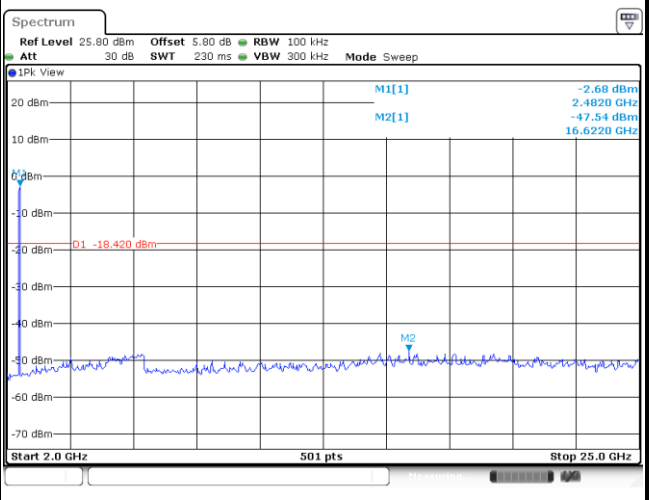
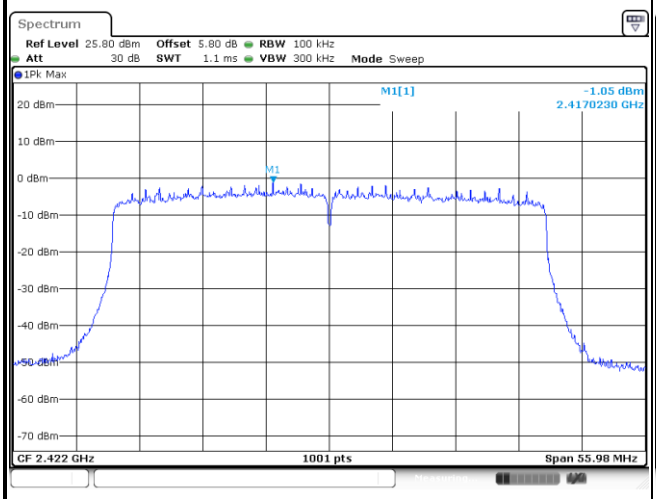
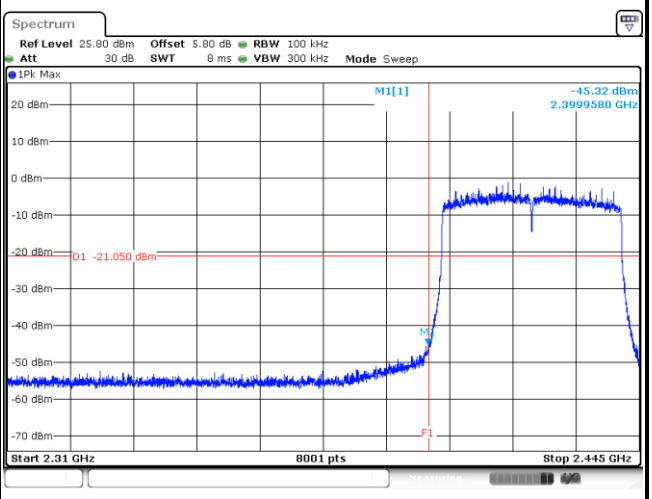
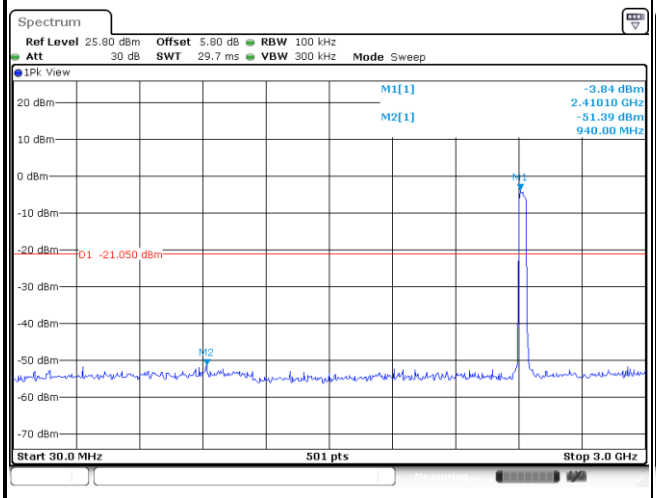
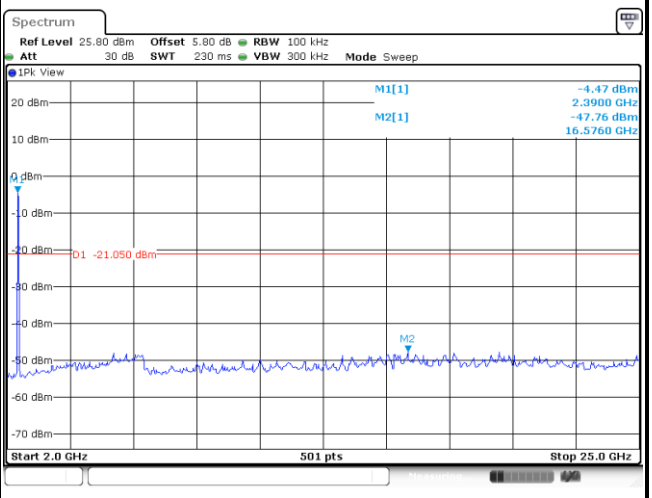
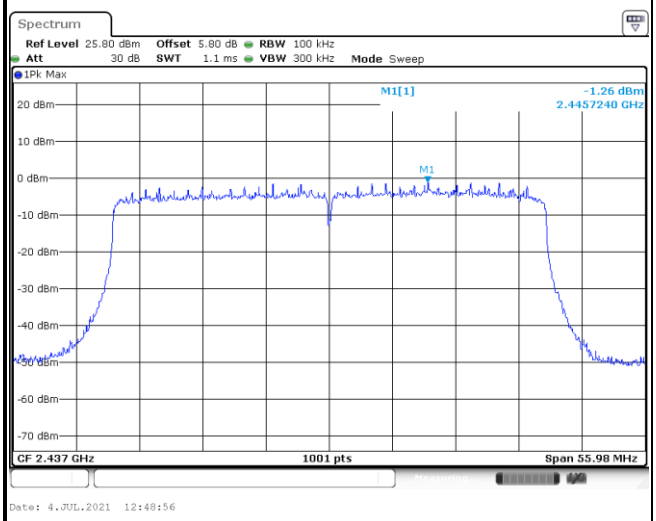
Test Mode :	802.11ax HE20	Test Channel :	11

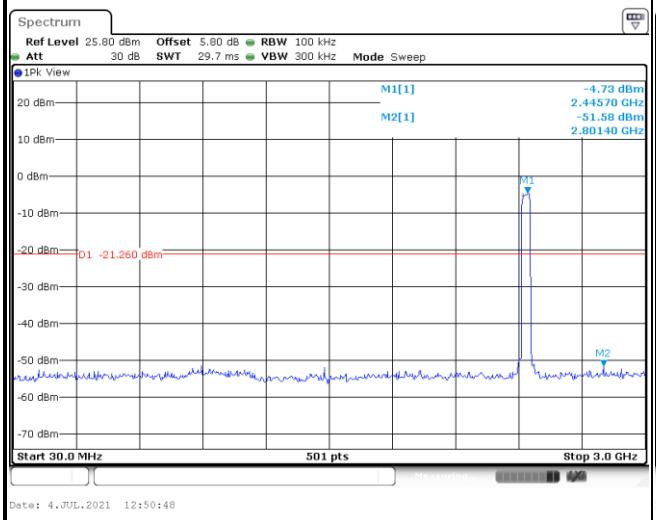
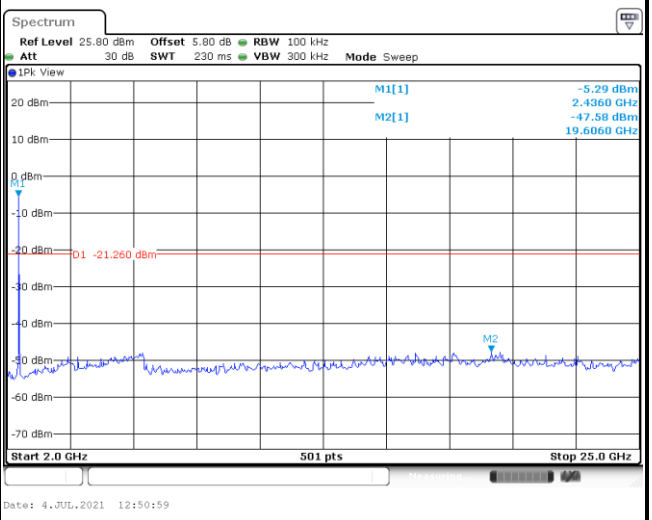
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE40	Test Channel :	03

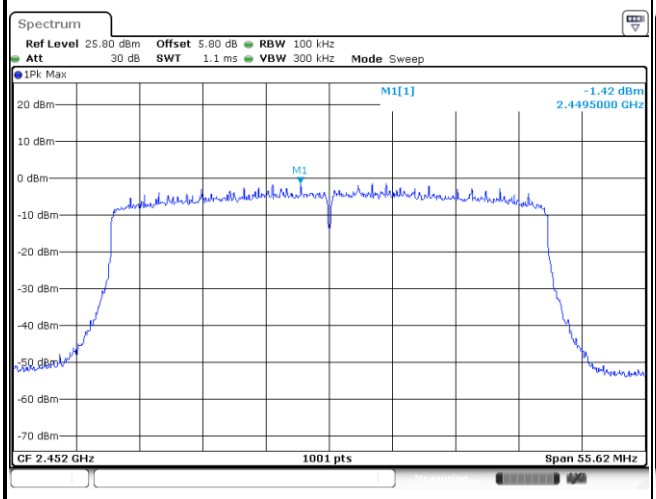
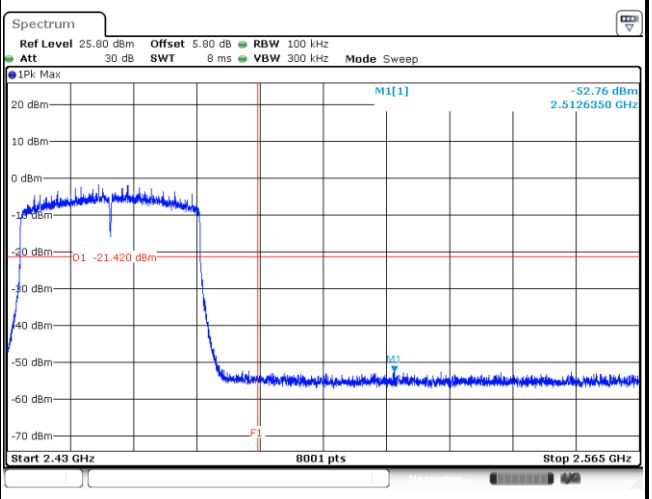
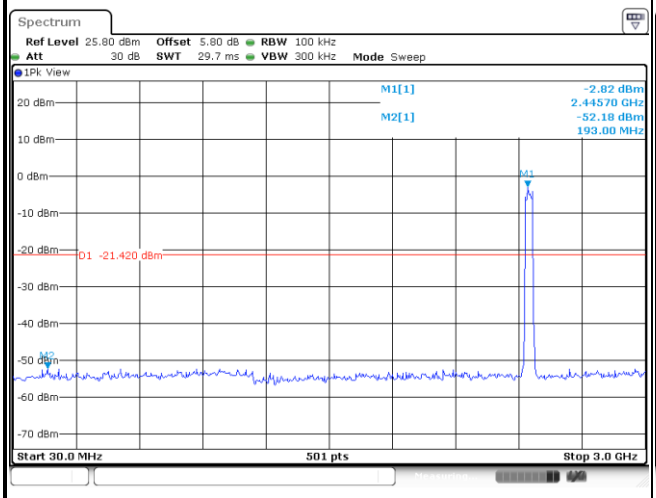
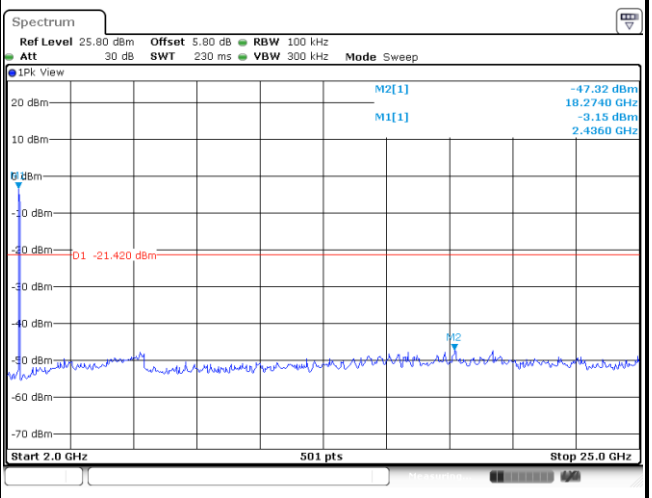
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	

Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

Test Mode :	802.11ax HE40	Test Channel :	09

100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

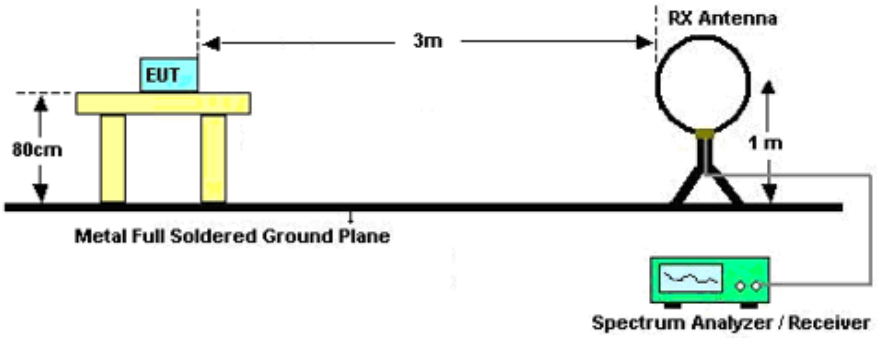
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

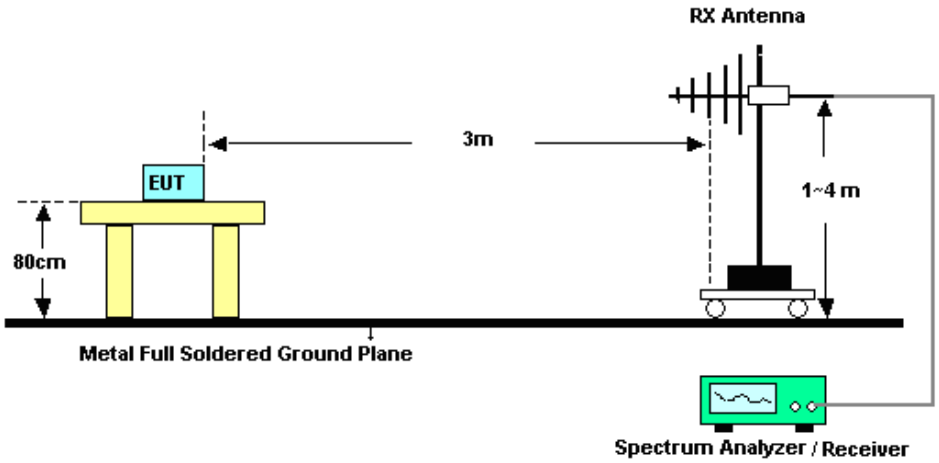
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively 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. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

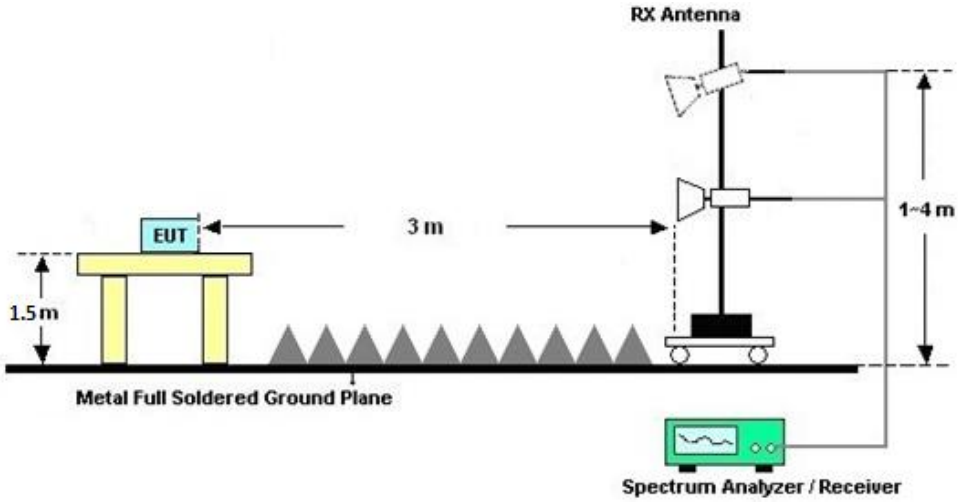
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

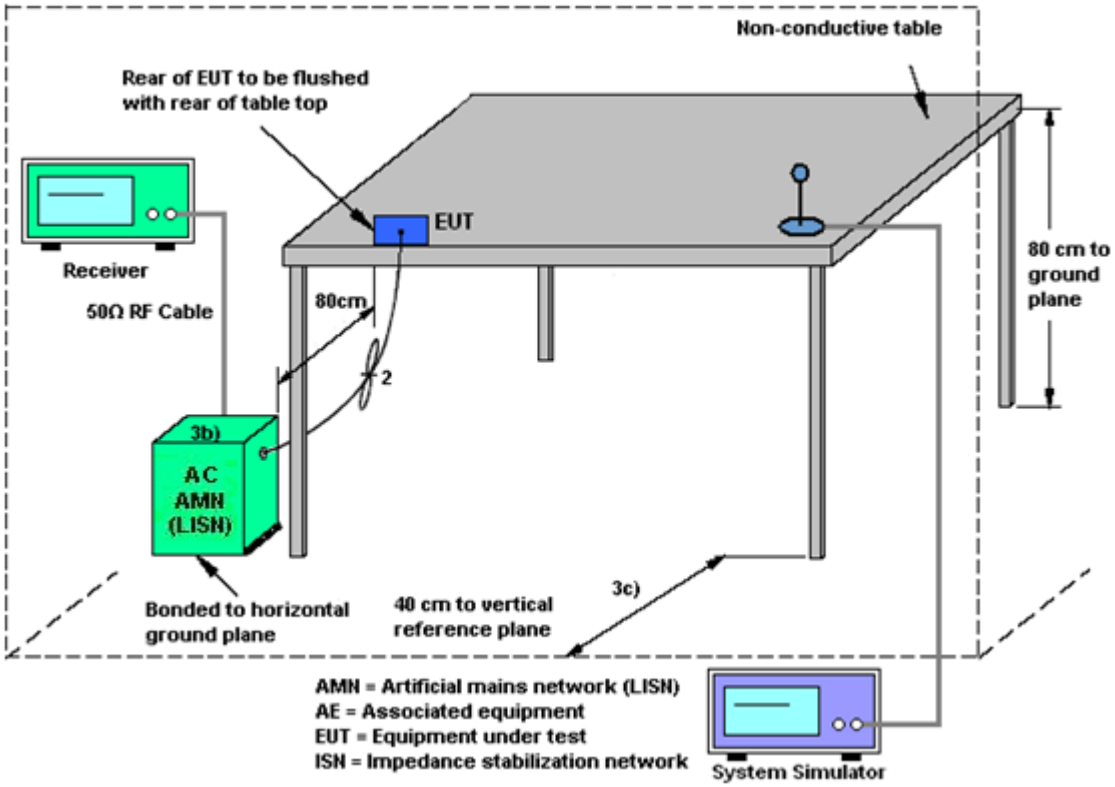
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. 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 rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(N_{ANT}/N_{SS}=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

<CDD Modes>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	1.30	0.70	1.30	4.02	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Jul. 11, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	Jul. 11, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 17, 2020	Jul. 11, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	Jul. 11, 2021	Oct. 16, 2021	Conduction (CO01-KS)
EMI Test Receiver	Keysight	N9038A	MY564000 04	3Hz~8.5GHz;Max 30dBm	Oct. 17, 2020	Jul. 21, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY551502 44	10Hz-44G,MAX 30dB	Apr. 13, 2021	Jul. 21, 2021	Apr. 12, 2022	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Jul. 21, 2021	Oct. 31, 2021	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2021	Jul. 21, 2021	May 29, 2022	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 24, 2021	Jul. 21, 2021	Apr. 23, 2022	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2020	Jul. 21, 2021	Nov. 09, 2021	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 12, 2021	Jul. 21, 2021	Apr. 11, 2022	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Jul. 21, 2021	Jan. 06, 2022	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz-18Ghz	Oct. 17, 2020	Jul. 21, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY532703 16	500MHz~26.5GHz	Oct. 17, 2020	Jul. 21, 2021	Oct. 16, 2021	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Jul. 21, 2021	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 21, 2021	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 21, 2021	NCR	Radiation (03CH05-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Nov. 01, 2020	Jun. 28, 2021~ Sep. 28, 2021	Oct. 31, 2021	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 07, 2021	Jun. 28, 2021~ Sep. 28, 2021	Jan. 06, 2022	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 07, 2021	Jun. 28, 2021~ Sep. 28, 2021	Jan. 06, 2022	Conducted (TH01-KS)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.9dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0dB**

---------- THE END ----------

Appendix A. Conducted Test Results

Report Number : FR133010A

Test Engineer:	Jack Fan	Temperature:	21~25	°C
Test Date:	2021/6/28 ~ 2021/7/23	Relative Humidity:	51~54	%

Report Number : FR133010A

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11b	1Mbps	1	1	2412	13.04	12.94	8.06	8.06	0.50	Pass
11b	1Mbps	1	6	2437	13.29	13.34	8.08	8.08	0.50	Pass
11b	1Mbps	1	11	2462	13.14	13.09	8.08	8.08	0.50	Pass
11g	6Mbps	1	1	2412	16.83	16.78	15.70	16.30	0.50	Pass
11g	6Mbps	1	6	2437	16.93	16.93	16.30	15.74	0.50	Pass
11g	6Mbps	1	11	2462	16.88	16.78	15.74	15.92	0.50	Pass
HT20	MCS0	2	1	2412	17.83	17.78	17.16	16.78	0.50	Pass
HT20	MCS0	2	6	2437	17.93	17.93	16.80	16.66	0.50	Pass
HT20	MCS0	2	11	2462	17.93	17.83	17.18	17.16	0.50	Pass
HT40	MCS0	2	3	2422	35.96	36.06	35.16	35.16	0.50	Pass
HT40	MCS0	2	6	2437	36.06	36.26	36.04	35.92	0.50	Pass
HT40	MCS0	2	9	2452	35.96	35.86	33.80	35.04	0.50	Pass
HE20	MCS0	2	1	2412	19.13	19.08	17.83	18.48	0.50	Pass
HE20	MCS0	2	6	2437	19.13	19.23	18.90	18.93	0.50	Pass
HE20	MCS0	2	11	2462	19.13	19.13	18.10	18.10	0.50	Pass
HE40	MCS0	2	3	2422	37.76	37.86	37.32	37.32	0.50	Pass
HE40	MCS0	2	6	2437	37.76	37.86	37.44	37.32	0.50	Pass
HE40	MCS0	2	9	2452	37.76	37.66	36.28	37.08	0.50	Pass

Report Number : FR133010A

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																	
Mod.	Data Rate	RU	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps		1	1	2412	20.38	20.54		30.00	30.00	1.30	0.70	21.68	21.24	36.00	36.00	Pass
11b	1Mbps		1	6	2437	21.19	21.51		30.00	30.00	1.30	0.70	22.49	22.21	36.00	36.00	Pass
11b	1Mbps		1	11	2462	21.22	21.57		30.00	30.00	1.30	0.70	22.52	22.27	36.00	36.00	Pass
11g	6Mbps		1	1	2412	21.17	20.99		30.00	30.00	1.30	0.70	22.47	21.69	36.00	36.00	Pass
11g	6Mbps		1	6	2437	20.83	20.94		30.00	30.00	1.30	0.70	22.13	21.64	36.00	36.00	Pass
11g	6Mbps		1	11	2462	20.89	21.76		30.00	30.00	1.30	0.70	22.19	22.46	36.00	36.00	Pass
HT20	MCS0		2	1	2412	20.15	20.65	23.42	30.00		1.30		24.72		36.00		Pass
HT20	MCS0		2	6	2437	20.52	20.56	23.55	30.00		1.30		24.85		36.00		Pass
HT20	MCS0		2	11	2462	20.13	21.02	23.61	30.00		1.30		24.91		36.00		Pass
HT40	MCS0		2	3	2422	20.35	20.32	23.35	30.00		1.30		24.65		36.00		Pass
HT40	MCS0		2	6	2437	20.16	20.59	23.39	30.00		1.30		24.69		36.00		Pass
HT40	MCS0		2	9	2452	20.17	20.73	23.47	30.00		1.30		24.77		36.00		Pass
HE20	MCS0	Full	2	1	2412	20.66	20.71	23.70	30.00		1.30		25.00		36.00		Pass
HE20	MCS0	26	2	1	2412	16.16	15.97	19.08	30.00		1.30		20.38		36.00		Pass
HE20	MCS0	52	2	1	2412	17.36	17.45	20.42	30.00		1.30		21.72		36.00		Pass
HE20	MCS0	106	2	1	2412	19.62	19.28	22.46	30.00		1.30		23.76		36.00		Pass
HE20	MCS0	Full	2	6	2437	20.75	20.78	23.78	30.00		1.30		25.08		36.00		Pass
HE20	MCS0	26	2	6	2437	16.32	16.04	19.19	30.00		1.30		20.49		36.00		Pass
HE20	MCS0	52	2	6	2437	17.22	17.62	20.43	30.00		1.30		21.73		36.00		Pass
HE20	MCS0	106	2	6	2437	19.24	19.59	22.43	30.00		1.30		23.73		36.00		Pass
HE20	MCS0	Full	2	11	2462	20.36	21.06	23.73	30.00		1.30		25.03		36.00		Pass
HE20	MCS0	26	2	11	2462	16.15	16.03	19.10	30.00		1.30		20.40		36.00		Pass
HE20	MCS0	52	2	11	2462	17.27	17.48	20.39	30.00		1.30		21.69		36.00		Pass
HE20	MCS0	106	2	11	2462	19.46	19.48	22.48	30.00		1.30		23.78		36.00		Pass
HE40	MCS0	Full	2	3	2422	20.62	20.78	23.71	30.00		1.30		25.01		36.00		Pass
HE40	MCS0	242	2	3	2422	21.46	21.22	24.35	30.00		1.30		25.65		36.00		Pass
HE40	MCS0	Full	2	6	2437	20.69	20.86	23.79	30.00		1.30		25.09		36.00		Pass
HE40	MCS0	242	2	6	2437	22.21	21.35	24.81	30.00		1.30		26.11		36.00		Pass
HE40	MCS0	Full	2	9	2452	20.57	21.03	23.82	30.00		1.30		25.12		36.00		Pass
HE40	MCS0	242	2	9	2452	21.16	21.41	24.30	30.00		1.30		25.60		36.00		Pass

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Output Power

2.4GHz Band										
Mod.	Data Rate	RU	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
						Ant 1	Ant 2	Ant 1	Ant 2	SUM
11b	1Mbps		1	1	2412	0.00	0.00	15.15	15.52	
11b	1Mbps		1	6	2437	0.00	0.00	16.09	16.29	
11b	1Mbps		1	11	2462	0.00	0.00	16.11	16.46	
11g	6Mbps		1	1	2412	0.05	0.03	13.79	13.48	
11g	6Mbps		1	6	2437	0.05	0.03	13.41	13.65	
11g	6Mbps		1	11	2462	0.05	0.03	13.74	14.16	
HT20	MCS0		2	1	2412	0.00	0.00	11.81	11.85	14.84
HT20	MCS0		2	6	2437	0.00	0.00	11.98	11.96	14.98
HT20	MCS0		2	11	2462	0.00	0.00	11.63	11.89	14.77
HT40	MCS0		2	3	2422	0.00	0.00	11.85	11.94	14.91
HT40	MCS0		2	6	2437	0.00	0.00	11.91	11.88	14.91
HT40	MCS0		2	9	2452	0.00	0.00	11.78	12.23	15.02
HE20	MCS0	Full	2	1	2412	0.00	0.00	11.95	11.98	14.98
HE20	MCS0	26	2	1	2412	0.12	0.09	3.03	2.62	5.84
HE20	MCS0	52	2	1	2412	0.10	0.10	4.68	4.51	7.60
HE20	MCS0	106	2	1	2412	0.13	0.13	8.16	8.25	11.22
HE20	MCS0	Full	2	6	2437	0.00	0.00	12.05	12.19	15.13
HE20	MCS0	26	2	6	2437	0.12	0.09	2.93	2.78	5.87
HE20	MCS0	52	2	6	2437	0.10	0.10	4.31	4.32	7.32
HE20	MCS0	106	2	6	2437	0.13	0.13	8.11	8.39	11.26
HE20	MCS0	Full	2	11	2462	0.00	0.00	11.72	12.23	14.99
HE20	MCS0	26	2	11	2462	0.12	0.09	2.97	2.75	5.88
HE20	MCS0	52	2	11	2462	0.10	0.10	4.22	3.91	7.08
HE20	MCS0	106	2	11	2462	0.13	0.13	8.04	7.98	11.02
HE40	MCS0	Full	2	3	2422	0.00	0.00	11.99	12.08	15.05
HE40	MCS0	242	2	3	2422	0.08	0.11	9.46	9.69	12.59
HE40	MCS0	Full	2	6	2437	0.00	0.00	11.94	12.12	15.04
HE40	MCS0	242	2	6	2437	0.08	0.11	9.16	9.46	12.32
HE40	MCS0	Full	2	9	2452	0.00	0.00	11.85	12.38	15.13
HE40	MCS0	242	2	9	2452	0.08	0.11	4.26	3.96	7.12

Note: Measured power (dBm) has offset with cable loss.

Report Number : FR133010A

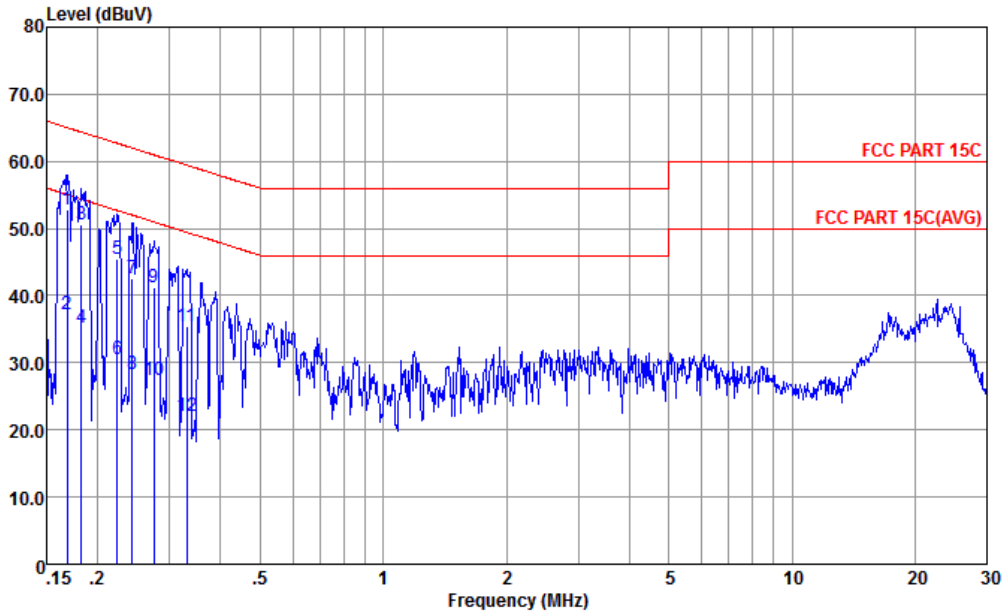
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band													
Mod.	Data Rate	RU	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps		1	1	2412	-8.96	-8.69		1.30	0.70	8.00	8.00	Pass
11b	1Mbps		1	6	2437	-9.73	-8.47		1.30	0.70	8.00	8.00	Pass
11b	1Mbps		1	11	2462	-8.99	-8.21	-	1.30	0.70	8.00	8.00	Pass
11g	6Mbps		1	1	2412	-13.60	-13.90		1.30	0.70	8.00	8.00	Pass
11g	6Mbps		1	6	2437	-14.00	-13.91		1.30	0.70	8.00	8.00	Pass
11g	6Mbps		1	11	2462	-13.65	-12.52		1.30	0.70	8.00	8.00	Pass
HT20	MCS0		2	1	2412	-10.88	-10.08	-7.07	4.02		8.00		Pass
HT20	MCS0		2	6	2437	-11.03	-11.27	-8.02	4.02		8.00		Pass
HT20	MCS0		2	11	2462	-12.47	-10.96	-7.95	4.02		8.00		Pass
HT40	MCS0		2	3	2422	-13.86	-14.45	-10.85	4.02		8.00		Pass
HT40	MCS0		2	6	2437	-14.71	-14.55	-11.54	4.02		8.00		Pass
HT40	MCS0		2	9	2452	-14.12	-14.51	-11.11	4.02		8.00		Pass
HE20	MCS0	Full	2	1	2412	-14.18	-14.14	-11.13	4.02		8.00		Pass
HE20	MCS0	26	2	1	2412	-14.64	-14.55	-11.54	4.02		8.00		Pass
HE20	MCS0	52	2	1	2412	-14.84	-14.70	-11.69	4.02		8.00		Pass
HE20	MCS0	106	2	1	2412	-14.94	-14.74	-11.73	4.02		8.00		Pass
HE20	MCS0	Full	2	6	2437	-14.75	-14.28	-11.27	4.02		8.00		Pass
HE20	MCS0	26	2	6	2437	-14.87	-14.37	-11.36	4.02		8.00		Pass
HE20	MCS0	52	2	6	2437	-14.84	-14.36	-11.35	4.02		8.00		Pass
HT20	MCS0	106	2	9	2437	-14.94	-14.75	-11.74	4.02		8.00		Pass
HE20	MCS0	Full	2	11	2462	-14.26	-14.51	-11.25	4.02		8.00		Pass
HE20	MCS0	26	2	11	2462	-14.63	-15.15	-11.62	4.02		8.00		Pass
HE20	MCS0	52	2	11	2462	-14.66	-14.98	-11.65	4.02		8.00		Pass
HE20	MCS0	106	2	11	2462	-14.52	-14.57	-11.51	4.02		8.00		Pass
HE40	MCS0	Full	2	3	2422	-16.55	-16.89	-13.54	4.02		8.00		Pass
HE40	MCS0	242	2	3	2422	-16.87	-17.48	-13.86	4.02		8.00		Pass
HE40	MCS0	Full	2	6	2437	-16.90	-16.25	-13.24	4.02		8.00		Pass
HE40	MCS0	242	2	6	2437	-17.28	-17.41	-14.27	4.02		8.00		Pass
HE40	MCS0	Full	2	9	2452	-17.04	-16.59	-13.58	4.02		8.00		Pass
HE40	MCS0	242	2	9	2452	-17.57	-17.54	-14.53	4.02		8.00		Pass

Measured power density (dBm) has offset with cable loss.

Appendix B. AC Conducted Emission Test Results

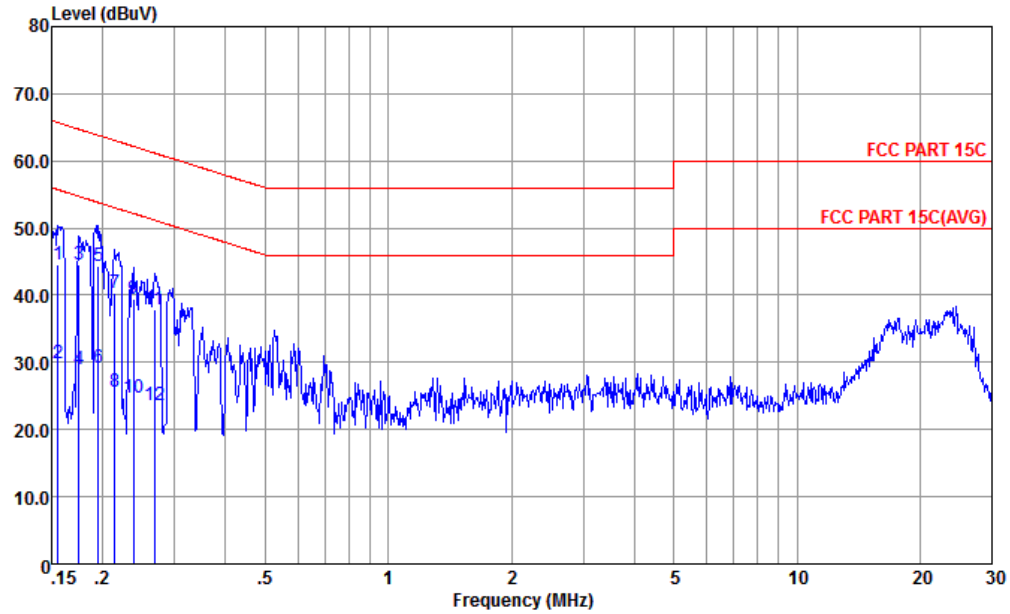
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line



Site : CO01-KS
Condition : FCC PART 15C TWO-LISN-CN02-L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	*	0.169	52.87	-12.16	65.03	32.80	9.64	10.43	QP
2		0.169	37.27	-17.76	55.03	17.20	9.64	10.43	Average
3		0.182	50.54	-13.83	64.37	30.50	9.64	10.40	QP
4		0.182	35.24	-19.13	54.37	15.20	9.64	10.40	Average
5		0.223	45.49	-17.21	62.70	25.50	9.64	10.35	QP
6		0.223	30.59	-22.11	52.70	10.60	9.64	10.35	Average
7		0.243	42.48	-19.52	62.00	22.50	9.64	10.34	QP
8		0.243	28.28	-23.72	52.00	8.30	9.64	10.34	Average
9		0.274	41.16	-19.82	60.98	21.20	9.64	10.32	QP
10		0.274	27.46	-23.52	50.98	7.50	9.64	10.32	Average
11		0.330	35.44	-24.00	59.44	15.51	9.64	10.29	QP
12		0.330	22.14	-27.30	49.44	2.21	9.64	10.29	Average

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Site : CO01-KS
Condition : FCC PART 15C TWO-LISN-CN02-N NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.156	44.47	-21.22	65.69	24.19	9.81	10.47	QP
2		0.156	29.87	-25.82	55.69	9.59	9.81	10.47	Average
3		0.175	44.47	-20.25	64.72	24.20	9.85	10.42	QP
4		0.175	28.87	-25.85	54.72	8.60	9.85	10.42	Average
5	*	0.195	44.36	-19.44	63.80	24.11	9.88	10.37	QP
6		0.195	29.16	-24.64	53.80	8.91	9.88	10.37	Average
7		0.214	40.43	-22.62	63.05	20.21	9.87	10.35	QP
8		0.214	25.73	-27.32	53.05	5.51	9.87	10.35	Average
9		0.238	39.39	-22.78	62.17	19.20	9.85	10.34	QP
10		0.238	24.69	-27.48	52.17	4.50	9.85	10.34	Average
11		0.267	37.94	-23.26	61.20	17.80	9.82	10.32	QP
12		0.267	23.64	-27.56	51.20	3.50	9.82	10.32	Average

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

ANT 1 WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2379.94	54.92	-19.08	74	49.81	32.15	7.69	34.73	127	51	P	H
		2389.82	43.77	-10.23	54	38.56	32.2	7.72	34.71	127	51	A	H
	*	2412	102.7	-	-	97.45	32.18	7.75	34.68	127	51	P	H
	*	2412	99.09	-	-	93.84	32.18	7.75	34.68	127	51	A	H
		2321.31	55.19	-18.81	74	50.35	32.02	7.6	34.78	102	95	P	V
		2389.82	44.08	-9.92	54	38.87	32.2	7.72	34.71	102	95	A	V
	*	2412	106.99	-	-	101.74	32.18	7.75	34.68	102	95	P	V
	*	2414	102.94	-	-	97.69	32.18	7.75	34.68	102	95	A	V
802.11b CH 11 2462MHz		2490.1	55.3	-18.7	74	49.91	32.1	7.89	34.6	148	305	P	H
		2485.48	43.82	-10.18	54	38.47	32.12	7.86	34.63	148	305	A	H
	*	2462	102.06	-	-	96.75	32.13	7.83	34.65	148	305	P	H
	*	2464	99.18	-	-	93.85	32.13	7.83	34.63	148	305	A	H
		2496.52	56.09	-17.91	74	50.7	32.1	7.89	34.6	161	339	P	V
		2483.5	44.06	-9.94	54	38.71	32.12	7.86	34.63	161	339	A	V
	*	2462	106.67	-	-	101.36	32.13	7.83	34.65	161	339	P	V
	*	2462	103.42	-	-	98.11	32.13	7.83	34.65	161	339	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

ANT 1 WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	52.39	-21.61	74	66.91	34.31	11.21	60.04	100	142	P	H
		4824	49.39	-4.61	54	63.91	34.31	11.21	60.04	100	142	A	H
		4824	51.68	-22.32	74	66.2	34.31	11.21	60.04	300	360	P	V
		4824	50.26	-3.74	54	64.78	34.31	11.21	60.04	300	360	A	V
802.11b CH 06 2437MHz		4872	48.81	-25.19	74	63.22	34.34	11.28	60.03	100	318	P	H
		4872	44.96	-9.04	54	59.37	34.34	11.28	60.03	100	318	A	H
		7308	44.1	-29.9	74	54.95	35.94	13.72	60.51	300	0	P	H
		4872	49.64	-24.36	74	64.05	34.34	11.28	60.03	247	1	P	V
		4872	46.13	-7.87	54	60.54	34.34	11.28	60.03	247	1	A	V
		7308	43.66	-30.34	74	54.51	35.94	13.72	60.51	300	360	P	V
802.11b CH 11 2462MHz		4926	52.12	-21.88	74	66.43	34.36	11.35	60.02	100	144	P	H
		4926	49.58	-4.42	54	63.89	34.36	11.35	60.02	100	144	A	H
		7386	45.25	-28.75	74	56.06	35.92	13.8	60.53	300	0	P	H
		4926	52.24	-21.76	74	66.55	34.36	11.35	60.02	400	175	P	V
		4926	49.76	-4.24	54	64.07	34.36	11.35	60.02	400	175	A	V
		7386	45.19	-28.81	74	56	35.92	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

ANT 2 WIFI 802.11b (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		2357.58	54.91	-19.09	74	49.9	32.11	7.66	34.76	100	41	P	H
		2389.95	43.86	-10.14	54	38.65	32.2	7.72	34.71	100	41	A	H
	*	2412	105.71	-	-	100.46	32.18	7.75	34.68	100	41	P	H
	*	2410	102.49	-	-	97.27	32.18	7.75	34.71	100	41	A	H
		2383.58	55.31	-18.69	74	50.2	32.15	7.69	34.73	162	2	P	V
		2389.69	43.59	-10.41	54	38.38	32.2	7.72	34.71	162	2	A	V
	*	2412	106.13	-	-	100.88	32.18	7.75	34.68	162	2	P	V
	*	2414	103.16	-	-	97.91	32.18	7.75	34.68	162	2	A	V
802.11b CH 11 2462MHz		2484.1	55.4	-18.6	74	50.05	32.12	7.86	34.63	280	314	P	H
		2483.86	43.84	-10.16	54	38.49	32.12	7.86	34.63	280	314	A	H
	*	2462	105.28	-	-	99.97	32.13	7.83	34.65	280	314	P	H
	*	2462	102.04	-	-	96.73	32.13	7.83	34.65	280	314	A	H
		2484.34	55.31	-18.69	74	49.96	32.12	7.86	34.63	101	88	P	V
		2484.46	44.06	-9.94	54	38.71	32.12	7.86	34.63	101	88	A	V
	*	2462	107.69	-	-	102.38	32.13	7.83	34.65	101	88	P	V
	*	2462	104.48	-	-	99.17	32.13	7.83	34.65	101	88	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

ANT 2 WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	51.06	-22.94	74	65.58	34.31	11.21	60.04	400	353	P	H
		4824	47.51	-6.49	54	62.03	34.31	11.21	60.04	400	353	A	H
		4824	50.79	-23.21	74	65.31	34.31	11.21	60.04	100	41	P	V
		4824	47.15	-6.85	54	61.67	34.31	11.21	60.04	100	41	A	V
802.11b CH 06 2437MHz		4872	45.21	-28.79	74	59.62	34.34	11.28	60.03	300	0	P	H
		7308	43.06	-30.94	74	53.91	35.94	13.72	60.51	300	0	P	H
		4872	45.29	-28.71	74	59.7	34.34	11.28	60.03	300	360	P	V
		7308	43.32	-30.68	74	54.17	35.94	13.72	60.51	300	360	P	V
802.11b CH 11 2462MHz		4926	47.81	-26.19	74	62.12	34.36	11.35	60.02	299	341	P	H
		4926	43.93	-10.07	54	58.24	34.36	11.35	60.02	299	341	A	H
		7386	43.98	-30.02	74	54.79	35.92	13.8	60.53	300	0	P	H
		4926	46.78	-27.22	74	61.09	34.36	11.35	60.02	300	360	P	V
		7386	44.53	-29.47	74	55.34	35.92	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

ANT 1 WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2384.1	55.27	-18.73	74	51.45	30.48	7.69	34.35	150	305	P	H
		2389.95	43.94	-10.06	54	40.06	30.5	7.72	34.34	150	305	A	H
	*	2412	101.3	-	-	97.29	30.57	7.75	34.31	150	305	P	H
	*	2410	92.61	-	-	88.63	30.57	7.75	34.34	150	305	A	H
		2388.65	54.88	-19.12	74	51	30.5	7.72	34.34	159	93	P	V
		2389.95	43.97	-10.03	54	40.09	30.5	7.72	34.34	159	93	A	V
	*	2412	104.76	-	-	100.75	30.57	7.75	34.31	159	93	P	V
	*	2414	96.87	-	-	92.86	30.57	7.75	34.31	159	93	A	V
802.11g CH 11 2462MHz		2498.98	54.95	-19.05	74	50.36	30.93	7.89	34.23	101	59	P	H
		2489.32	43.76	-10.24	54	39.17	30.93	7.89	34.23	101	59	A	H
	*	2460	100.35	-	-	96.01	30.79	7.83	34.28	101	59	P	H
	*	2460	91.96	-	-	87.62	30.79	7.83	34.28	101	59	A	H
		2484.7	55.69	-18.31	74	51.23	30.86	7.86	34.26	142	93	P	V
		2490.7	43.96	-10.04	54	39.37	30.93	7.89	34.23	142	93	A	V
	*	2458	104.7	-	-	100.36	30.79	7.83	34.28	142	93	P	V
	*	2458	96.06	-	-	91.72	30.79	7.83	34.28	142	93	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	42.81	-31.19	74	57.03	34.61	11.21	60.04	300	0	P	H
		4824	42.04	-31.96	74	56.26	34.61	11.21	60.04	300	360	P	V
802.11g CH 06 2437MHz		4872	42.07	-31.93	74	56.13	34.69	11.28	60.03	300	0	P	H
		7308	44.43	-29.57	74	54.54	36.68	13.72	60.51	300	0	P	H
		4872	43.4	-30.6	74	57.46	34.69	11.28	60.03	300	360	P	V
		7308	43.98	-30.02	74	54.09	36.68	13.72	60.51	300	360	P	V
802.11g CH 11 2462MHz		4926	42.22	-31.78	74	56.12	34.77	11.35	60.02	300	0	P	H
		7386	44.07	-29.93	74	54.16	36.64	13.8	60.53	300	0	P	H
		4926	42.93	-31.07	74	56.83	34.77	11.35	60.02	300	360	P	V
		7386	44.68	-29.32	74	54.77	36.64	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

ANT 2 WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2342.89	54.85	-19.15	74	51.13	30.45	7.63	34.36	169	327	P	H
		2389.95	43.79	-10.21	54	39.91	30.5	7.72	34.34	169	327	A	H
	*	2410	102.92	-	-	98.94	30.57	7.75	34.34	169	327	P	H
	*	2410	94.65	-	-	90.67	30.57	7.75	34.34	169	327	A	H
		2375.39	56.17	-17.83	74	52.35	30.48	7.69	34.35	100	76	P	V
		2389.95	43.99	-10.01	54	40.11	30.5	7.72	34.34	100	76	A	V
	*	2412	104.43	-	-	100.42	30.57	7.75	34.31	100	76	P	V
	*	2410	95.31	-	-	91.33	30.57	7.75	34.34	100	76	A	V
802.11g CH 11 2462MHz		2489.98	54.87	-19.13	74	50.28	30.93	7.89	34.23	241	314	P	H
		2483.74	44.01	-9.99	54	39.55	30.86	7.86	34.26	241	314	A	H
	*	2462	103.89	-	-	99.55	30.79	7.83	34.28	241	314	P	H
	*	2458	95.4	-	-	91.06	30.79	7.83	34.28	241	314	A	H
		2491.12	55.11	-18.89	74	50.52	30.93	7.89	34.23	103	77	P	V
		2483.56	43.97	-10.03	54	39.51	30.86	7.86	34.26	103	77	A	V
	*	2458	103.6	-	-	99.26	30.79	7.83	34.28	103	77	P	V
	*	2458	94.89	-	-	90.55	30.79	7.83	34.28	103	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	42.01	-31.99	74	56.23	34.61	11.21	60.04	100	360	P	H
		4824	42.15	-31.85	74	56.37	34.61	11.21	60.04	100	360	P	V
802.11g CH 06 2437MHz		4872	40.87	-33.13	74	54.93	34.69	11.28	60.03	300	0	P	H
		7308	44.03	-29.97	74	54.14	36.68	13.72	60.51	300	0	P	H
		4872	41.65	-32.35	74	55.71	34.69	11.28	60.03	300	360	P	V
		7308	44.57	-29.43	74	54.68	36.68	13.72	60.51	300	360	P	V
802.11g CH 11 2462MHz		4926	43.62	-30.38	74	57.52	34.77	11.35	60.02	300	0	P	H
		7386	44.02	-29.98	74	54.11	36.64	13.8	60.53	300	0	P	H
		4926	42.42	-31.58	74	56.32	34.77	11.35	60.02	300	360	P	V
		7386	44.25	-29.75	74	54.34	36.64	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2374.09	55.37	-18.63	74	50.26	32.15	7.69	34.73	100	92	P	H
		2389.95	44.55	-9.45	54	39.34	32.2	7.72	34.71	100	92	A	H
802.11n	*	2414	106	-	-	100.75	32.18	7.75	34.68	100	92	P	H
HT20	*	2410	97.86	-	-	92.64	32.18	7.75	34.71	100	92	A	H
CH 01		2388.91	59.95	-14.05	74	54.74	32.2	7.72	34.71	381	0	P	V
2412MHz		2389.95	43.6	-10.4	54	38.39	32.2	7.72	34.71	381	0	A	V
	*	2414	100.38	-	-	95.13	32.18	7.75	34.68	381	0	P	V
	*	2410	91.04	-	-	85.82	32.18	7.75	34.71	381	0	A	V
		2487.22	54.96	-19.04	74	49.61	32.12	7.86	34.63	101	98	P	H
		2483.56	44.09	-9.91	54	38.74	32.12	7.86	34.63	101	98	A	H
802.11n	*	2464	106.98	-	-	101.65	32.13	7.83	34.63	101	98	P	H
HT20	*	2458	98.39	-	-	93.08	32.13	7.83	34.65	101	98	A	H
CH 11		2497.24	54.79	-19.21	74	49.4	32.1	7.89	34.6	100	111	P	V
2462MHz		2483.92	43.35	-10.65	54	38	32.12	7.86	34.63	100	111	A	V
	*	2460	100.06	-	-	94.75	32.13	7.83	34.65	100	111	P	V
	*	2460	91.66	-	-	86.35	32.13	7.83	34.65	100	111	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	41.91	-32.09	74	56.43	34.31	11.21	60.04	300	0	P	H
		4824	42.23	-31.77	74	56.75	34.31	11.21	60.04	300	360	P	V
802.11n HT20 CH 06 2437MHz		4872	40.16	-33.84	74	54.57	34.34	11.28	60.03	300	0	P	H
		7308	43.38	-30.62	74	54.23	35.94	13.72	60.51	300	0	P	H
		4872	41.09	-32.91	74	55.5	34.34	11.28	60.03	300	360	P	V
		7308	43.74	-30.26	74	54.59	35.94	13.72	60.51	300	360	P	V
802.11n HT20 CH 11 2462MHz		4926	41.51	-32.49	74	55.82	34.36	11.35	60.02	300	0	P	H
		7386	43.92	-30.08	74	54.73	35.92	13.8	60.53	300	0	P	H
		4926	41.05	-32.95	74	55.36	34.36	11.35	60.02	300	360	P	V
		7386	43.4	-30.6	74	54.21	35.92	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2387.22	57.51	-16.49	74	52.3	32.2	7.72	34.71	156	77	P	H
		2389.95	46.63	-7.37	54	41.42	32.2	7.72	34.71	156	77	A	H
		2487.1	54.62	-19.38	74	49.27	32.12	7.86	34.63	156	77	P	H
		2487.04	43.2	-10.8	54	37.85	32.12	7.86	34.63	156	77	A	H
802.11n	*	2414	104.8	-	-	99.55	32.18	7.75	34.68	156	77	P	H
HT40	*	2412	95.83	-	-	90.58	32.18	7.75	34.68	156	77	A	H
CH 03		2389.82	55.04	-18.96	74	49.83	32.2	7.72	34.71	335	57	P	V
2422MHz		2389.95	44.49	-9.51	54	39.28	32.2	7.72	34.71	335	57	A	V
		2487.04	55.35	-18.65	74	50	32.12	7.86	34.63	335	57	P	V
		2490.94	43.5	-10.5	54	38.11	32.1	7.89	34.6	335	57	A	V
	*	2418	99.59	-	-	94.34	32.18	7.75	34.68	335	57	P	V
	*	2418	91.41	-	-	86.16	32.18	7.75	34.68	335	57	A	V
		2386.83	54.24	-19.76	74	49.03	32.2	7.72	34.71	117	75	P	H
		2389.3	43.18	-10.82	54	37.97	32.2	7.72	34.71	117	75	A	H
		2484.94	59.66	-14.34	74	54.31	32.12	7.86	34.63	117	75	P	H
		2484.46	43.66	-10.34	54	38.31	32.12	7.86	34.63	117	75	A	H
802.11n	*	2450	103.62	-	-	98.32	32.15	7.8	34.65	117	75	P	H
HT40	*	2450	95.44	-	-	90.14	32.15	7.8	34.65	117	75	A	H
CH 09		2388.26	54.64	-19.36	74	49.43	32.2	7.72	34.71	101	111	P	V
2452MHz		2389.43	43.07	-10.93	54	37.86	32.2	7.72	34.71	101	111	A	V
		2492.02	55.58	-18.42	74	50.19	32.1	7.89	34.6	101	111	P	V
		2483.74	43.3	-10.7	54	37.95	32.12	7.86	34.63	101	111	A	V
	*	2456	96.33	-	-	91.02	32.13	7.83	34.65	101	111	P	V
	*	2458	87.72	-	-	82.41	32.13	7.83	34.65	101	111	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		4842	40.65	-33.35	74	55.13	34.32	11.23	60.03	300	0	P	H
HT40		7266	43.92	-30.08	74	54.81	35.94	13.68	60.51	300	0	P	H
CH 03		4842	42.24	-31.76	74	56.72	34.32	11.23	60.03	300	360	P	V
2422MHz		7266	44.11	-29.89	74	55	35.94	13.68	60.51	300	360	P	V
802.11n		4872	39.67	-34.33	74	54.08	34.34	11.28	60.03	300	0	P	H
HT40		7308	43.23	-30.77	74	54.08	35.94	13.72	60.51	300	0	P	H
CH 06		4872	40.74	-33.26	74	55.15	34.34	11.28	60.03	300	360	P	V
2437MHz		7308	42.87	-31.13	74	53.72	35.94	13.72	60.51	300	360	P	V
802.11n		4902	41.34	-32.66	74	55.69	34.35	11.32	60.02	300	0	P	H
HT40		7356	43.21	-30.79	74	54.03	35.93	13.77	60.52	300	0	P	H
CH 09		4902	40.74	-33.26	74	55.09	34.35	11.32	60.02	300	360	P	V
2452MHz		7356	43.64	-30.36	74	54.46	35.93	13.77	60.52	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2389.95	58.05	-15.95	74	52.84	32.2	7.72	34.71	109	64	P	H
		2389.95	44.78	-9.22	54	39.57	32.2	7.72	34.71	109	64	A	H
802.11ax	*	2414	107.03	-	-	101.78	32.18	7.75	34.68	109	64	P	H
HE20 Full	*	2410	95.74	-	-	90.52	32.18	7.75	34.71	109	64	A	H
CH 01		2333.27	55.21	-18.79	74	50.35	32.02	7.6	34.76	302	154	P	V
2412MHz		2389.95	43.56	-10.44	54	38.35	32.2	7.72	34.71	302	154	A	V
	*	2414	103.28	-	-	98.03	32.18	7.75	34.68	302	154	P	V
	*	2414	91.86	-	-	86.61	32.18	7.75	34.68	302	154	A	V
		2484.34	56.73	-17.27	74	51.38	32.12	7.86	34.63	121	92	P	H
		2483.74	43.89	-10.11	54	38.54	32.12	7.86	34.63	121	92	A	H
8802.11ax	*	2460	107.96	-	-	102.65	32.13	7.83	34.65	121	92	P	H
HE20 Full	*	2458	96.72	-	-	91.41	32.13	7.83	34.65	121	92	A	H
CH 11		2483.86	55.05	-18.95	74	49.7	32.12	7.86	34.63	334	56	P	V
2462MHz		2489.44	43.52	-10.48	54	38.13	32.1	7.89	34.6	334	56	A	V
	*	2460	102.81	-	-	97.5	32.13	7.83	34.65	334	56	P	V
	*	2458	92.01	-	-	86.7	32.13	7.83	34.65	334	56	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		4824	45.28	-28.72	74	59.8	34.31	11.21	60.04	300	0	P	H
		4824	44.68	-29.32	74	59.2	34.31	11.21	60.04	300	360	P	V
802.11ax HE20 Full CH 06 2437MHz		4872	42.21	-31.79	74	56.62	34.34	11.28	60.03	300	0	P	H
		7308	43.86	-30.14	74	54.71	35.94	13.72	60.51	300	0	P	H
		4872	42.65	-31.35	74	57.06	34.34	11.28	60.03	300	360	P	V
		7308	43.36	-30.64	74	54.21	35.94	13.72	60.51	300	360	P	V
802.11ax HE20 Full CH 11 2462MHz		4926	43.1	-30.9	74	57.41	34.36	11.35	60.02	300	0	P	H
		7386	43.95	-30.05	74	54.76	35.92	13.8	60.53	300	0	P	H
		4926	42.53	-31.47	74	56.84	34.36	11.35	60.02	300	360	P	V
		7386	43.91	-30.09	74	54.72	35.92	13.8	60.53	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 01 2412MHz		2355.76	54.41	-19.59	74	49.4	32.11	7.66	34.76	108	77	P	H
		2387.87	43.91	-10.09	54	38.7	32.2	7.72	34.71	108	77	A	H
		2404	109.64	-	-	104.42	32.18	7.75	34.71	108	77	P	H
		2404	99.96	-	-	94.74	32.18	7.75	34.71	108	77	A	H
		2352.77	54.39	-19.61	74	49.38	32.11	7.66	34.76	299	172	P	V
		2389.69	43.42	-10.58	54	38.21	32.2	7.72	34.71	299	172	A	V
		2404	100.54	-	-	95.32	32.18	7.75	34.71	299	172	P	V
		2404	92.11	-	-	86.89	32.18	7.75	34.71	299	172	A	V
802.11ax HE20 Partial 26/8 CH 11 2462MHz		2486.26	54.99	-19.01	74	49.64	32.12	7.86	34.63	104	93	P	H
		2484.52	44.22	-9.78	54	38.87	32.12	7.86	34.63	104	93	A	H
		2470	108.48	-	-	103.15	32.13	7.83	34.63	104	93	P	H
		2470	99.68	-	-	94.35	32.13	7.83	34.63	104	93	A	H
		2497.48	54.46	-19.54	74	49.07	32.1	7.89	34.6	373	80	P	V
		2492.92	43.86	-10.14	54	38.47	32.1	7.89	34.6	373	80	A	V
		2470	102.2	-	-	96.87	32.13	7.83	34.63	373	80	P	V
		2472	91.38	-	-	86.03	32.12	7.86	34.63	373	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2381.63	54.36	-19.64	74	49.25	32.15	7.69	34.73	107	77	P	H
802.11ax		2389.56	43.51	-10.49	54	38.3	32.2	7.72	34.71	107	77	A	H
HE20		2404	107.05	-	-	101.83	32.18	7.75	34.71	107	77	P	H
Partial		2406	97.88	-	-	92.66	32.18	7.75	34.71	107	77	A	H
52/37		2328.59	54.64	-19.36	74	49.8	32.02	7.6	34.78	388	165	P	V
CH 01		2389.95	43.22	-10.78	54	38.01	32.2	7.72	34.71	388	165	A	V
2412MHz		2404	99.72	-	-	94.5	32.18	7.75	34.71	388	165	P	V
		2406	90.83	-	-	85.61	32.18	7.75	34.71	388	165	A	V
		2494.84	54.13	-19.87	74	48.74	32.1	7.89	34.6	104	96	P	H
802.11ax		2483.5	43.47	-10.53	54	38.12	32.12	7.86	34.63	104	96	A	H
HE20		2470	106.31	-	-	100.98	32.13	7.83	34.63	104	96	P	H
Partial		2468	97.01	-	-	91.68	32.13	7.83	34.63	104	96	A	H
52/40		2487.46	54.52	-19.48	74	49.17	32.12	7.86	34.63	371	78	P	V
CH 11		2491.24	43.29	-10.71	54	37.9	32.1	7.89	34.6	371	78	A	V
2462MHz		2470	100.04	-	-	94.71	32.13	7.83	34.63	371	78	P	V
		2468	90.85	-	-	85.52	32.13	7.83	34.63	371	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 2412MHz		2387.48	58.04	-15.96	74	52.83	32.2	7.72	34.71	107	77	P	H
		2389.69	43.71	-10.29	54	38.5	32.2	7.72	34.71	107	77	A	H
		2410	107.99	-	-	102.77	32.18	7.75	34.71	107	77	P	H
		2408	98.16	-	-	92.94	32.18	7.75	34.71	107	77	A	H
		2371.75	54.84	-19.16	74	49.73	32.15	7.69	34.73	303	158	P	V
		2387.09	43.45	-10.55	54	38.24	32.2	7.72	34.71	303	158	A	V
		2410	100.33	-	-	95.11	32.18	7.75	34.71	303	158	P	V
		2410	90.72	-	-	85.5	32.18	7.75	34.71	303	158	A	V
802.11ax HE20 Partial 106/54 CH 11 2462MHz		2483.8	57.75	-16.25	74	52.4	32.12	7.86	34.63	101	98	P	H
		2484.34	43.89	-10.11	54	38.54	32.12	7.86	34.63	101	98	A	H
		2470	106.39	-	-	101.06	32.13	7.83	34.63	101	98	P	H
		2464	97.27	-	-	91.94	32.13	7.83	34.63	101	98	A	H
		2486.98	54.2	-19.8	74	48.85	32.12	7.86	34.63	376	83	P	V
		2489.5	43.66	-10.34	54	38.27	32.1	7.89	34.6	376	83	A	V
		2464	101.4	-	-	96.07	32.13	7.83	34.63	376	83	P	V
		2466	91.92	-	-	86.59	32.13	7.83	34.63	376	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2386.96	57.31	-16.69	74	52.1	32.2	7.72	34.71	267	87	P	H
		2389.95	45.05	-8.95	54	39.84	32.2	7.72	34.71	267	87	A	H
		2488.9	55.63	-18.37	74	50.27	32.1	7.89	34.63	267	87	P	H
		2489.2	43.57	-10.43	54	38.18	32.1	7.89	34.6	267	87	A	H
802.11ax	*	2416	106.46	-	-	101.21	32.18	7.75	34.68	267	87	P	H
HE40 Full	*	2418	95.93	-	-	90.68	32.18	7.75	34.68	267	87	A	H
CH 03		2356.41	54.82	-19.18	74	49.81	32.11	7.66	34.76	301	156	P	V
2422MHz		2389.95	43.75	-10.25	54	38.54	32.2	7.72	34.71	301	156	A	V
		2494.12	43.66	-10.34	54	38.27	32.1	7.89	34.6	301	156	A	V
		2488.24	54.58	-19.42	74	49.22	32.1	7.89	34.63	301	156	P	V
	*	2414	99.81	-	-	94.56	32.18	7.75	34.68	301	156	P	V
	*	2414	88.95	-	-	83.7	32.18	7.75	34.68	301	156	A	V
		2385.53	54.64	-19.36	74	49.43	32.2	7.72	34.71	122	84	P	H
		2388.65	43.38	-10.62	54	38.17	32.2	7.72	34.71	122	84	A	H
		2483.98	57.38	-16.62	74	52.03	32.12	7.86	34.63	122	84	P	H
		2484.04	43.75	-10.25	54	38.4	32.12	7.86	34.63	122	84	A	H
802.11ax	*	2454	105.6	-	-	100.29	32.13	7.83	34.65	122	84	P	H
HE40 Full	*	2456	94.28	-	-	88.97	32.13	7.83	34.65	122	84	A	H
CH 09		2385.27	54.52	-19.48	74	49.39	32.15	7.69	34.71	332	57	P	V
2452MHz		2389.95	43.29	-10.71	54	38.08	32.2	7.72	34.71	332	57	A	V
		2489.92	54.51	-19.49	74	49.12	32.1	7.89	34.6	332	57	P	V
		2487.7	43.46	-10.54	54	38.1	32.1	7.89	34.63	332	57	A	V
	*	2454	101.35	-	-	96.04	32.13	7.83	34.65	332	57	P	V
	*	2450	90.02	-	-	84.72	32.15	7.8	34.65	332	57	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		4842	42.24	-31.76	74	56.72	34.32	11.23	60.03	300	0	P	H
HE40 Full		7266	43.92	-30.08	74	54.81	35.94	13.68	60.51	300	0	P	H
CH 03		4842	43.04	-30.96	74	57.52	34.32	11.23	60.03	300	360	P	V
2422MHz		7266	43.58	-30.42	74	54.47	35.94	13.68	60.51	300	360	P	V
802.11ax		4872	42.46	-31.54	74	56.87	34.34	11.28	60.03	300	0	P	H
HE40 Full		7308	44.06	-29.94	74	54.91	35.94	13.72	60.51	300	0	P	H
CH 06		4872	41.75	-32.25	74	56.16	34.34	11.28	60.03	300	360	P	V
2437MHz		7308	43.26	-30.74	74	54.11	35.94	13.72	60.51	300	360	P	V
802.11ax		4902	42.02	-31.98	74	56.37	34.35	11.32	60.02	300	0	P	H
HE40 Full		7356	43.24	-30.76	74	54.06	35.93	13.77	60.52	300	0	P	H
CH 09		4902	41.57	-32.43	74	55.92	34.35	11.32	60.02	300	360	P	V
2452MHz		7356	43.86	-30.14	74	54.68	35.93	13.77	60.52	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2388.65	63.16	-10.84	74	57.95	32.2	7.72	34.71	100	93	P	H
		2389.95	43.65	-10.35	54	38.44	32.2	7.72	34.71	100	93	A	H
		2495.26	54.83	-19.17	74	49.44	32.1	7.89	34.6	100	93	P	H
802.11ax		2489.14	43.36	-10.64	54	37.97	32.1	7.89	34.6	100	93	A	H
HE40		2418	104.46	-	-	99.21	32.18	7.75	34.68	100	93	P	H
Partial		2420	94.35	-	-	89.08	32.17	7.78	34.68	100	93	A	H
242/61		2386.7	55.11	-18.89	74	49.9	32.2	7.72	34.71	345	78	P	V
CH 03		2389.95	43.15	-10.85	54	37.94	32.2	7.72	34.71	345	78	A	V
2422MHz		2494	54.02	-19.98	74	48.63	32.1	7.89	34.6	345	78	P	V
		2491.3	43.26	-10.74	54	37.87	32.1	7.89	34.6	345	78	A	V
		2412	99.88	-	-	94.63	32.18	7.75	34.68	345	78	P	V
		2412	89.61	-	-	84.36	32.18	7.75	34.68	345	78	A	V
		2314.55	54.01	-19.99	74	49.24	31.97	7.58	34.78	100	94	P	H
		2387.74	43.16	-10.84	54	37.95	32.2	7.72	34.71	100	94	A	H
		2486.74	61.35	-12.65	74	56	32.12	7.86	34.63	100	94	P	H
802.11ax		2483.5	43.77	-10.23	54	38.42	32.12	7.86	34.63	100	94	A	H
HE40		2458	104.93	-	-	99.62	32.13	7.83	34.65	100	94	P	H
Partial		2456	95.45	-	-	90.14	32.13	7.83	34.65	100	94	A	H
242/62		2352.9	54.75	-19.25	74	49.74	32.11	7.66	34.76	332	80	P	V
CH 09		2388.65	43.07	-10.93	54	37.86	32.2	7.72	34.71	332	80	A	V
2452MHz		2486.38	55.86	-18.14	74	50.51	32.12	7.86	34.63	332	80	P	V
		2483.8	43.3	-10.7	54	37.95	32.12	7.86	34.63	332	80	A	V
		2454	99.79	-	-	94.48	32.13	7.83	34.65	332	80	P	V
		2454	90.01	-	-	84.7	32.13	7.83	34.65	332	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11b (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		30	22.14	-17.86	40	28.63	25.5	0.71	32.7	-	-	P	H
		136.7	27.99	-15.51	43.5	41.38	17.66	1.78	32.83	100	360	P	H
		219.15	21.55	-24.45	46	34.91	17.49	2.25	33.1	-	-	P	H
		314.21	28.98	-17.02	46	38.63	20.55	2.7	32.9	-	-	P	H
		540.22	25.17	-20.83	46	28.63	25.63	3.55	32.64	-	-	P	H
		784.66	27.44	-18.56	46	28.94	26.78	4.28	32.56	-	-	P	H
		42.61	34.27	-5.73	40	47.8	18.34	0.99	32.86	200	360	P	V
		54.25	24.87	-15.13	40	42.57	14.36	1.1	33.16	-	-	P	V
		134.76	28.41	-15.09	43.5	41.8	17.68	1.76	32.83	-	-	P	V
		173.56	21.75	-21.75	43.5	35.75	16.94	2	32.94	-	-	P	V
		247.28	22.57	-23.43	46	34.05	19.22	2.4	33.1	-	-	P	V
		313.24	25.33	-20.67	46	35.01	20.52	2.7	32.9	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

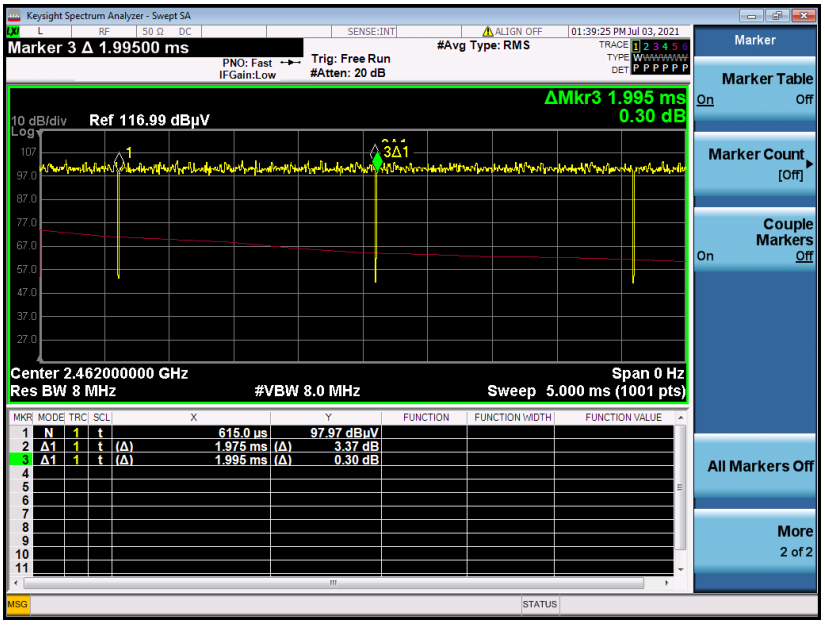
Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1	802.11b	100	-	-	10Hz
2	802.11b	100	-	-	10Hz
1	802.11g	99.00	-	-	10Hz
2	802.11g	99.00	-	-	10Hz
1+2(1)	802.11n/ax HT20/HE20	100	-	-	10Hz
1+2(1)	802.11n/ax HT40/HE40	100	-	-	10Hz
1+2(1)	802.11ax HE20 RU26	96.18	4.53	0.22	0.24KHz
1+2(1)	802.11ax HE20 RU52	97.79	5.08	0.20	0.22KHz
1+2(1)	802.11ax HE20 RU106	97.64	4.76	0.21	0.22KHz
1+2(1)	802.11ax HE40 RU242	97.14	4.69	0.21	0.22KHz

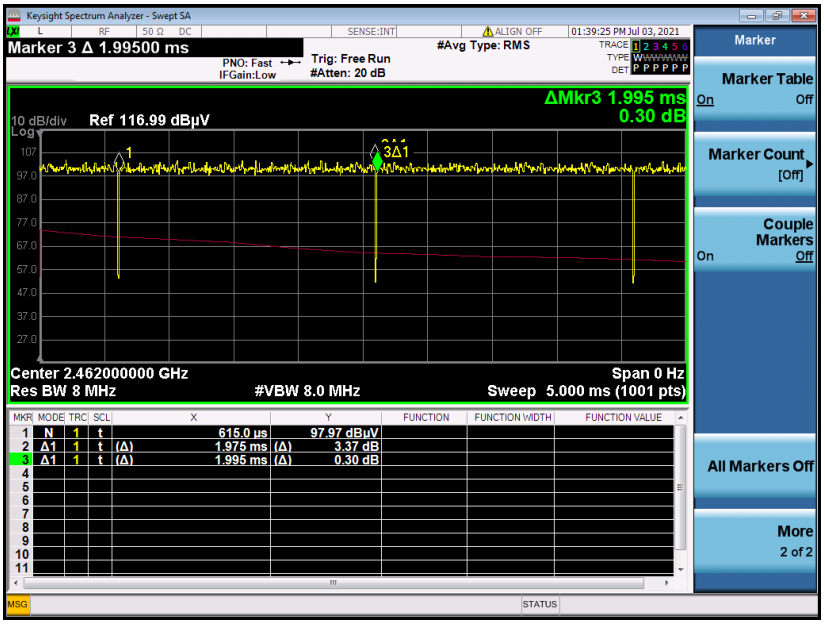
802.11b Ant 1

802.11b Ant 2

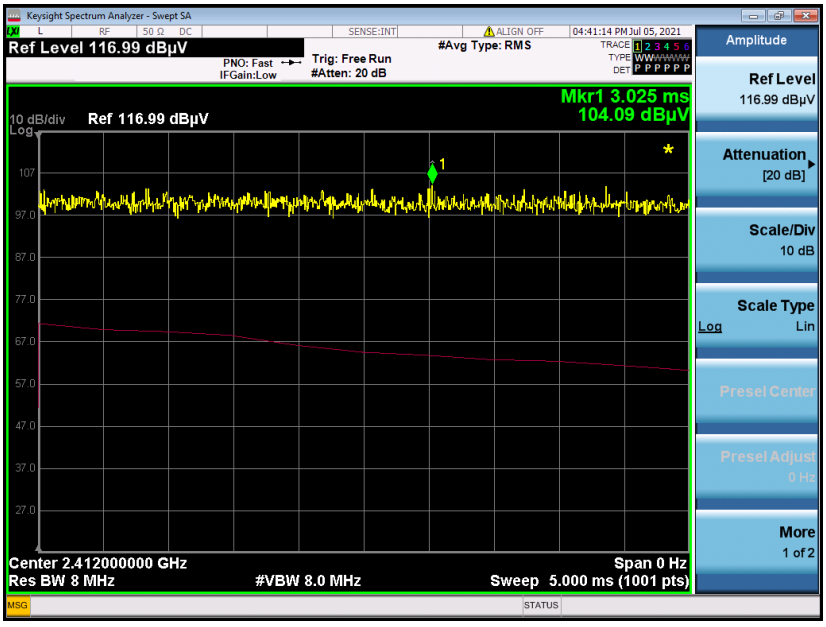
802.11g Ant 1



802.11g Ant 2

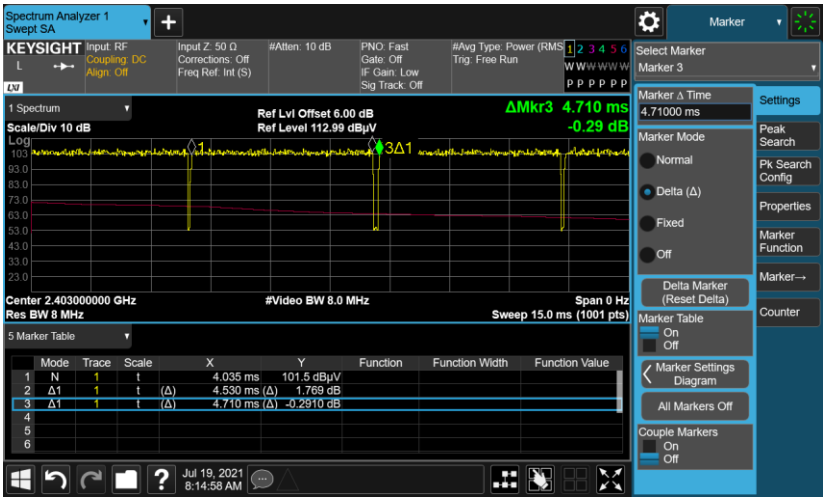


802.11n/ax HT20/HE20

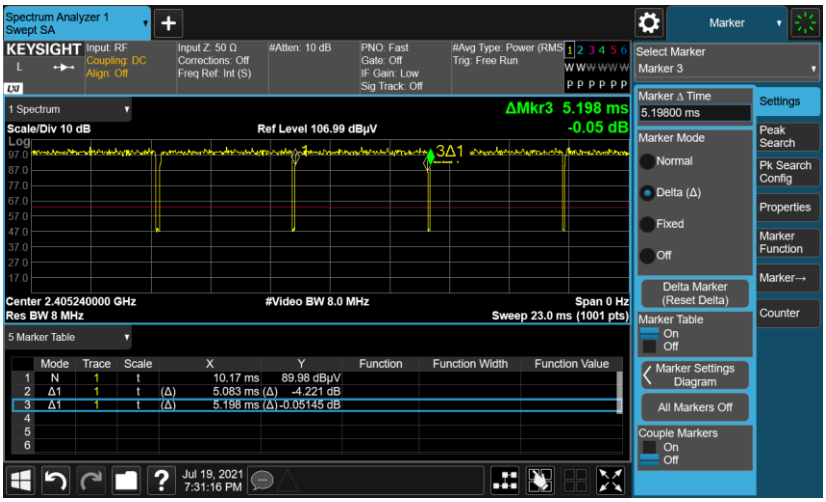


802.11n/ax HT40/HE40

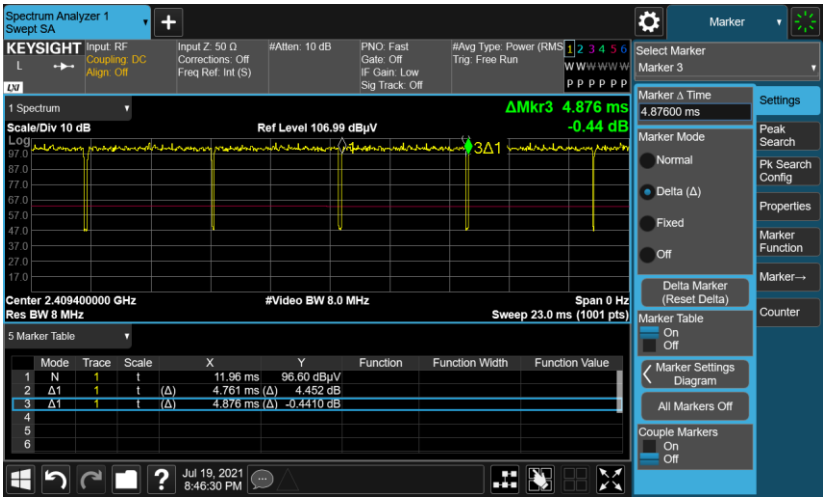
802.11ax HE20 RU26



802.11ax HE20 RU52



802.11ax HE20 RU106



802.11ax HE40 RU242