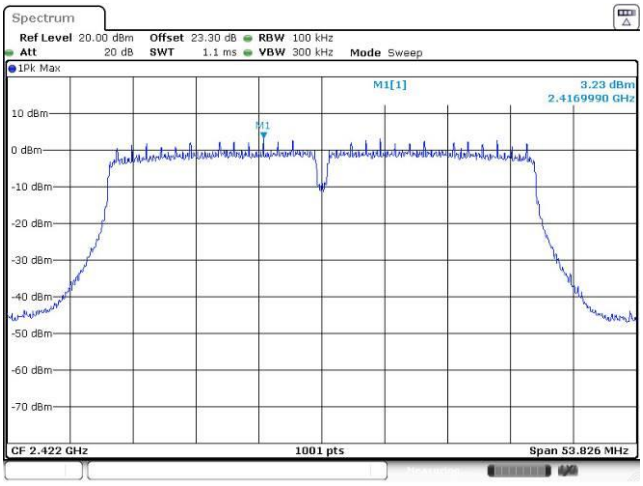
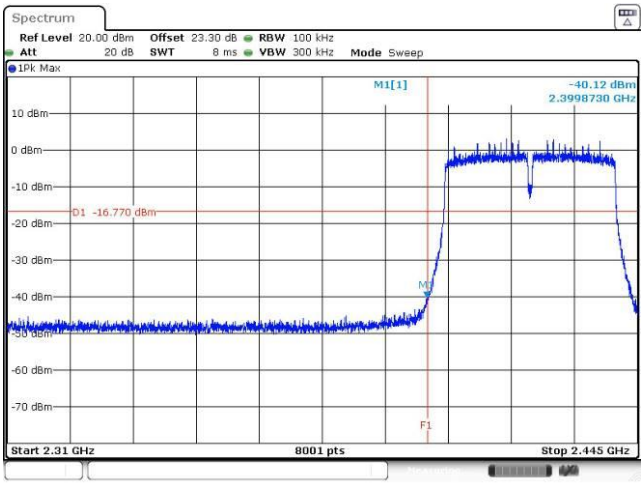
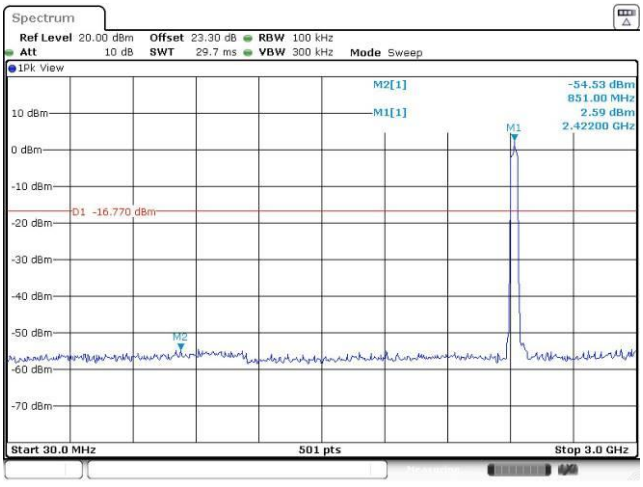
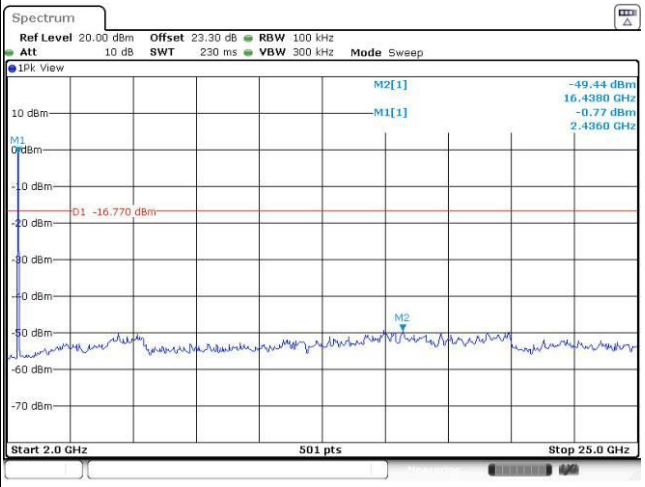
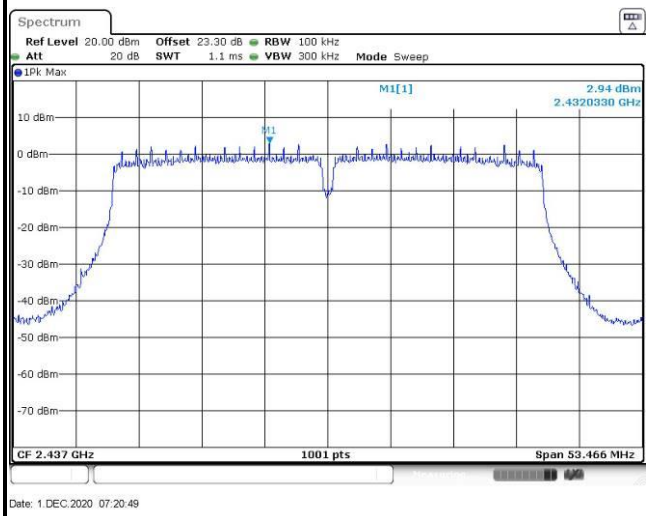
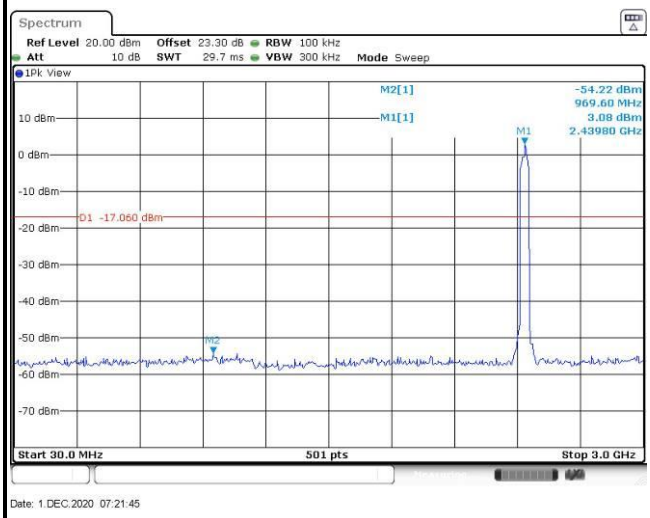
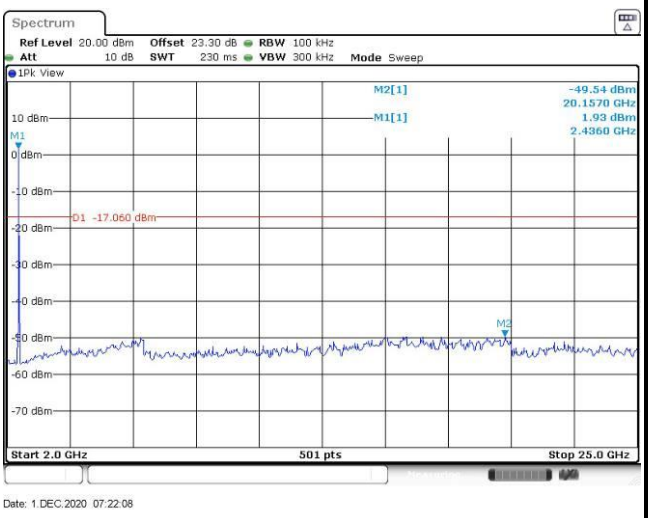
Test Mode :	802.11n HT40	Test Channel :	03

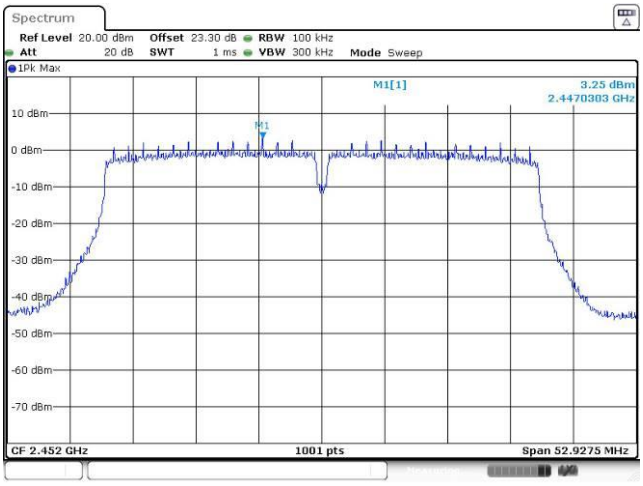
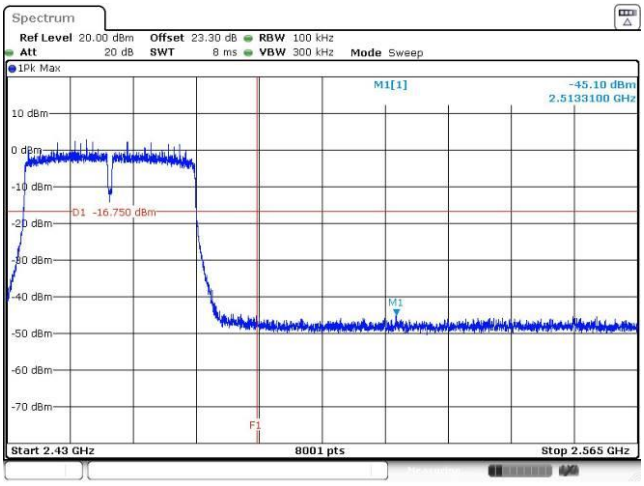
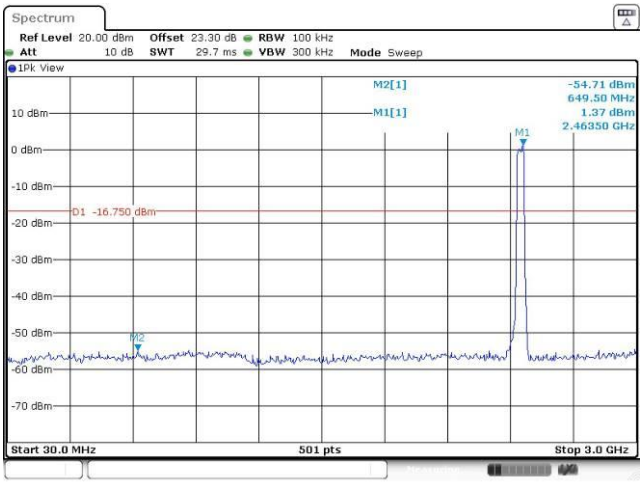
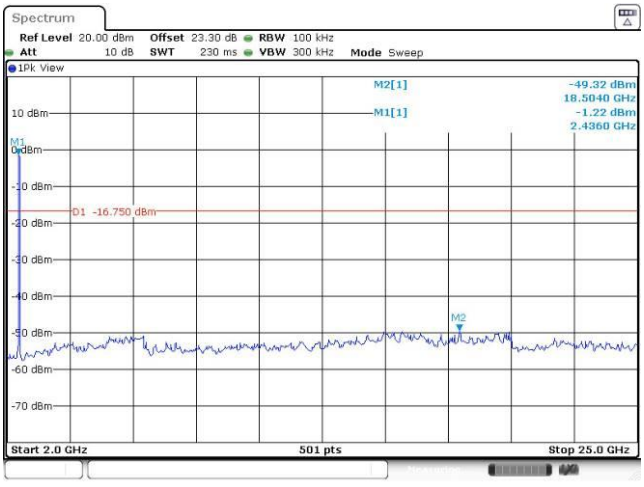
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	06

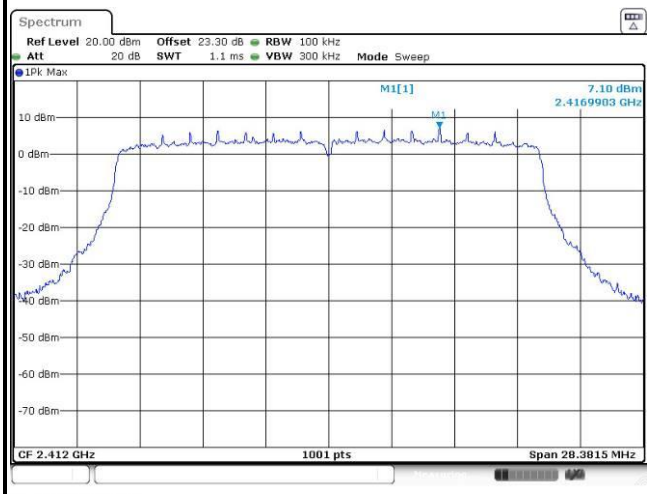
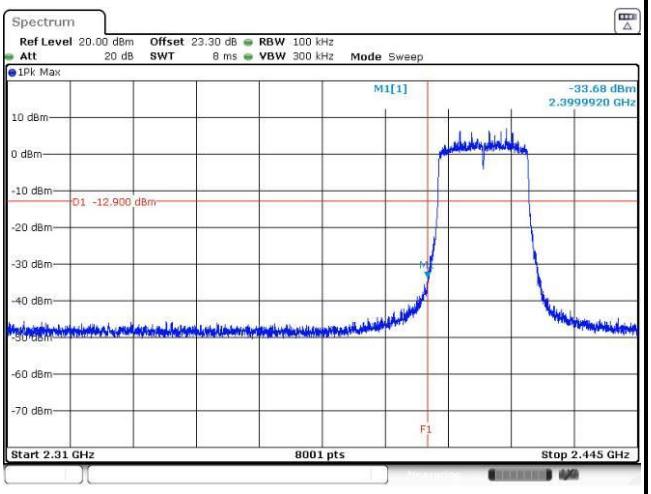
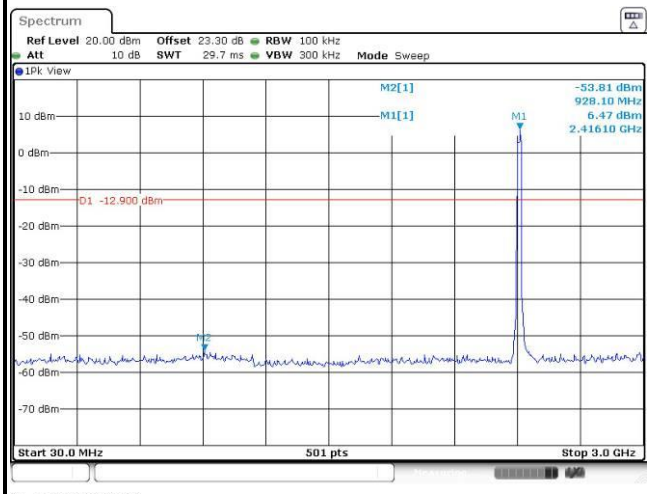
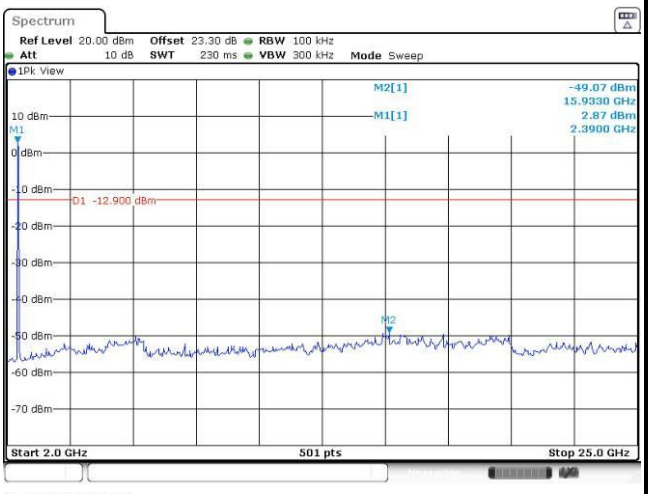
100kHz PSD reference Level	Channel Plot
	

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

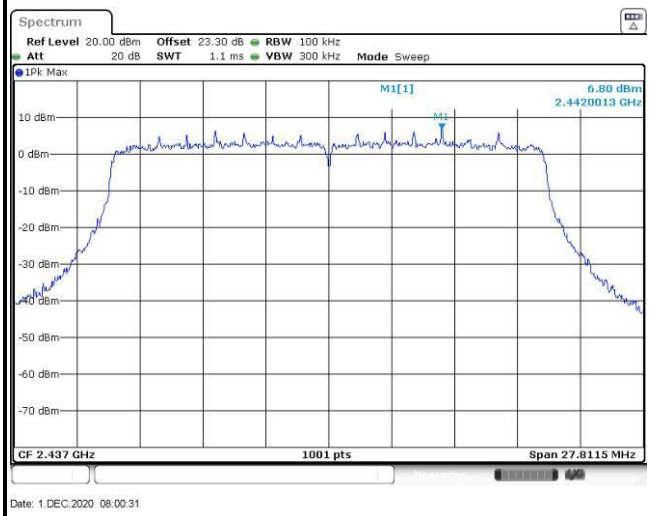
Test Mode :	802.11n HT40	Test Channel :	09

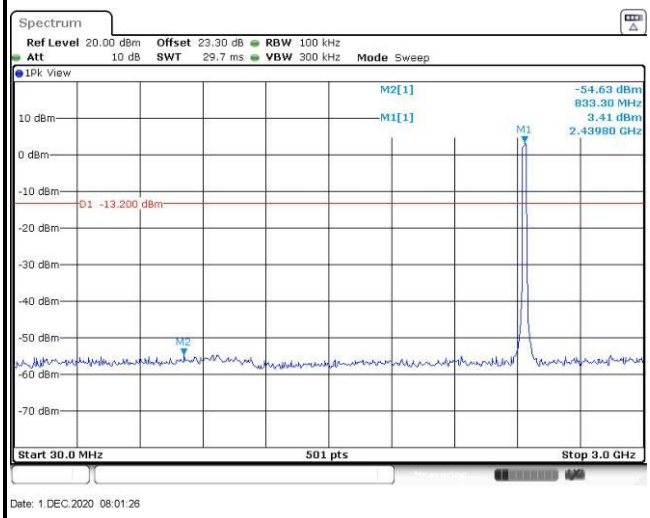
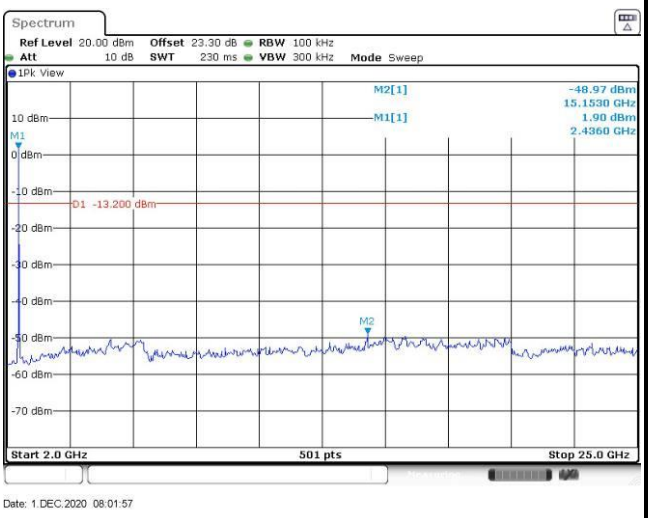
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE20	Test Channel :	01

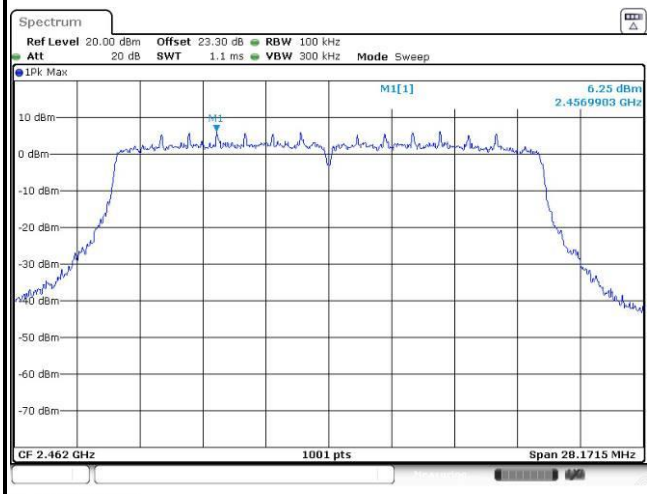
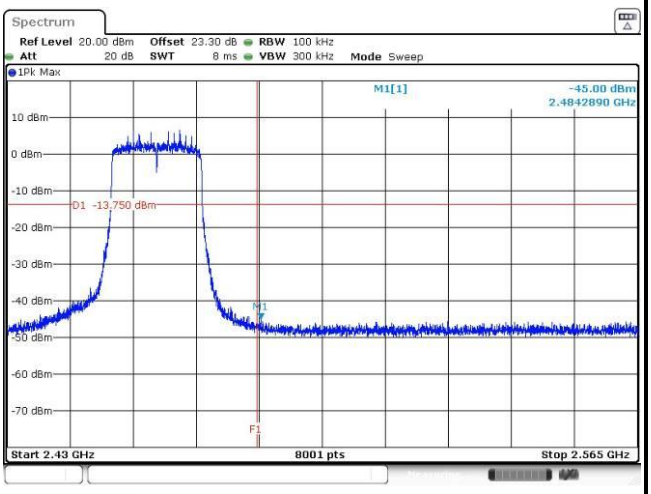
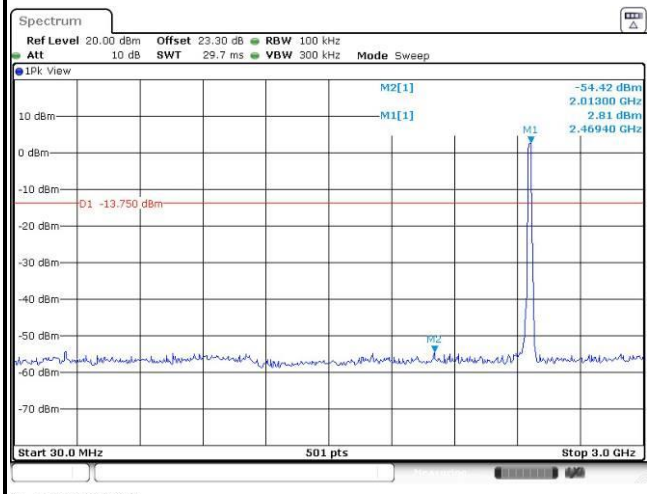
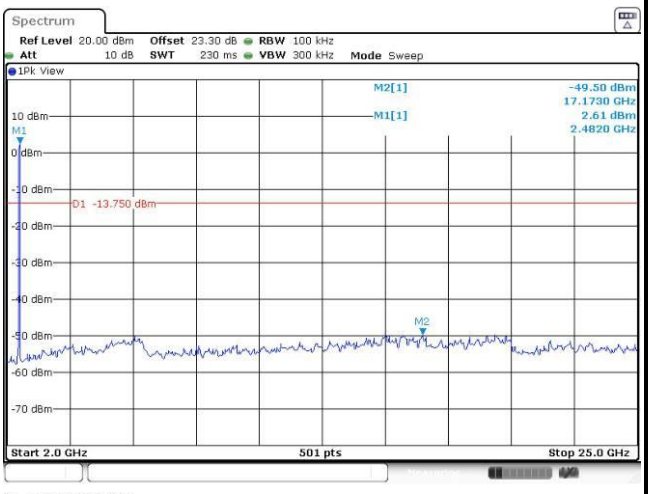
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE20	Test Channel :	06

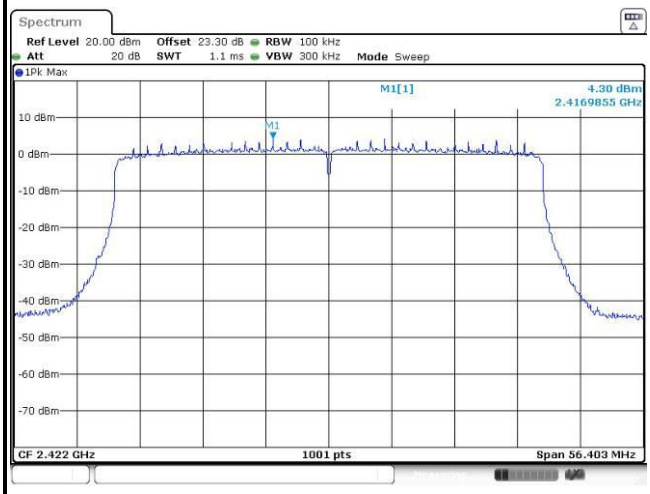
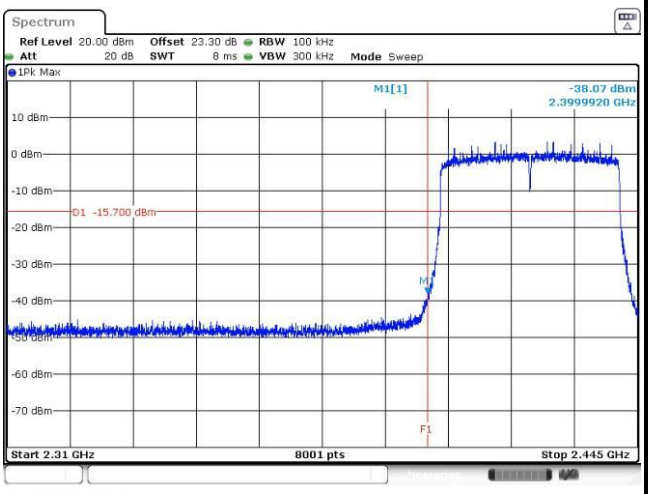
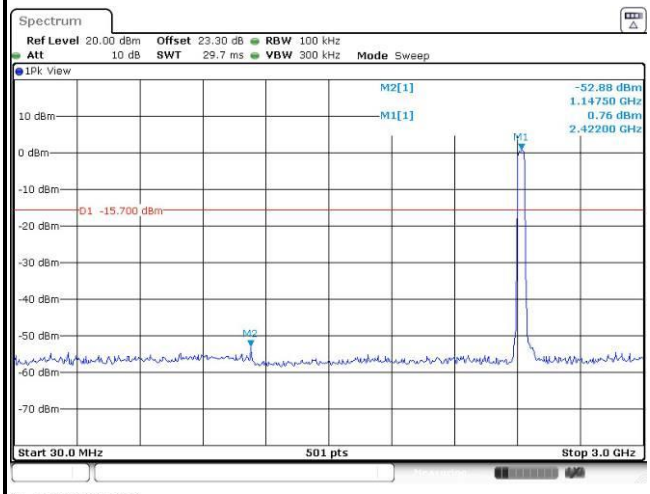
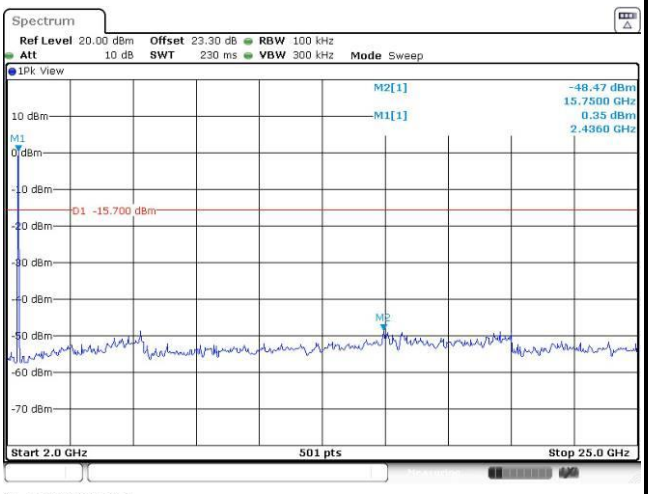
100kHz PSD reference Level	Channel Plot
	

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

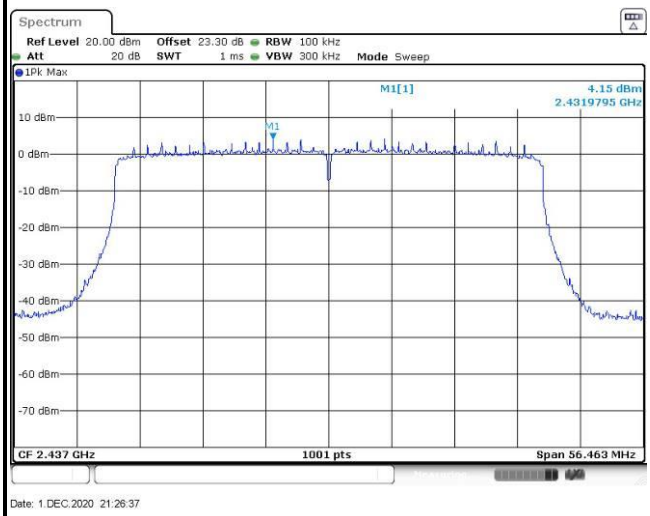
Test Mode :	802.11ax HE20	Test Channel :	11

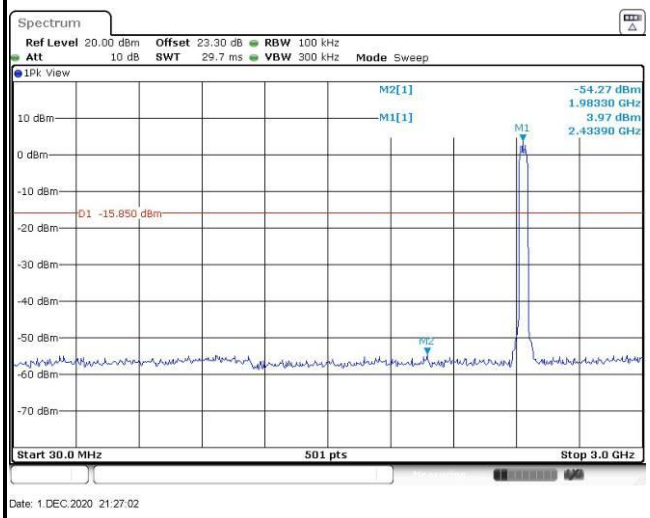
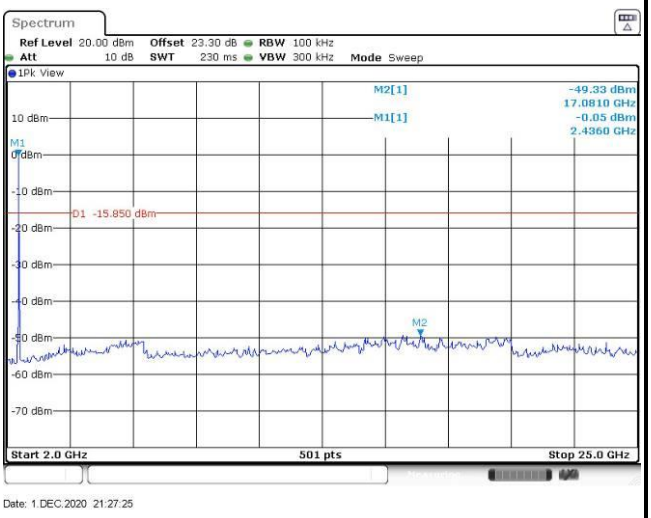
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11ax HE40	Test Channel :	03

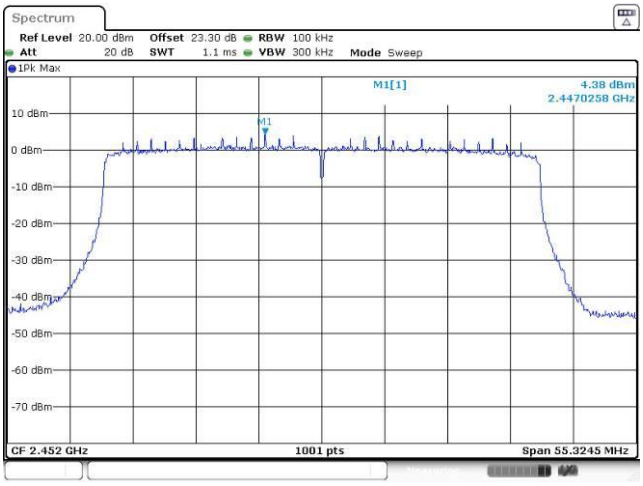
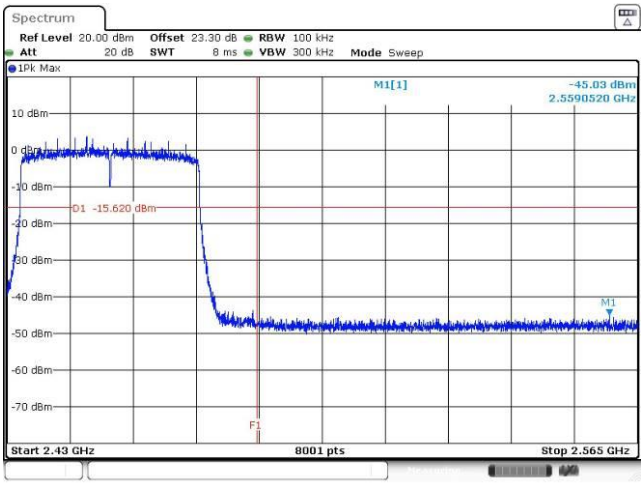
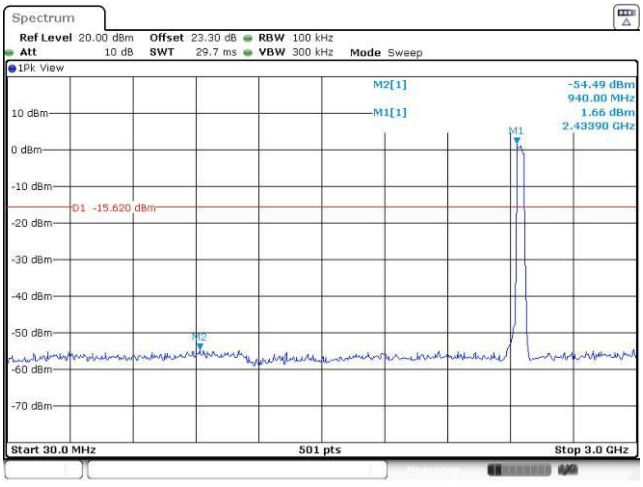
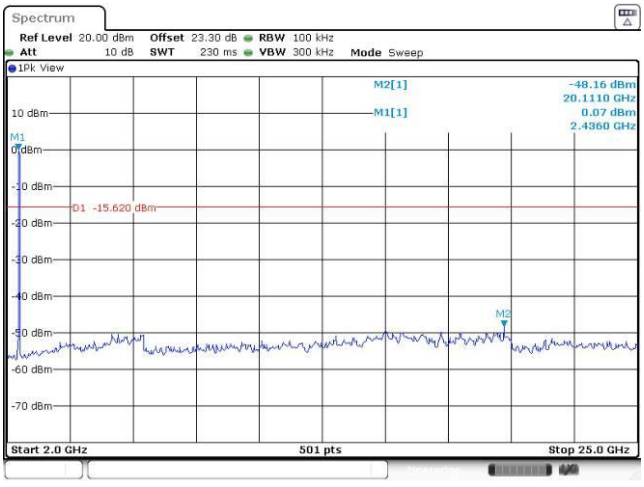
100kHz PSD reference Level	Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

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

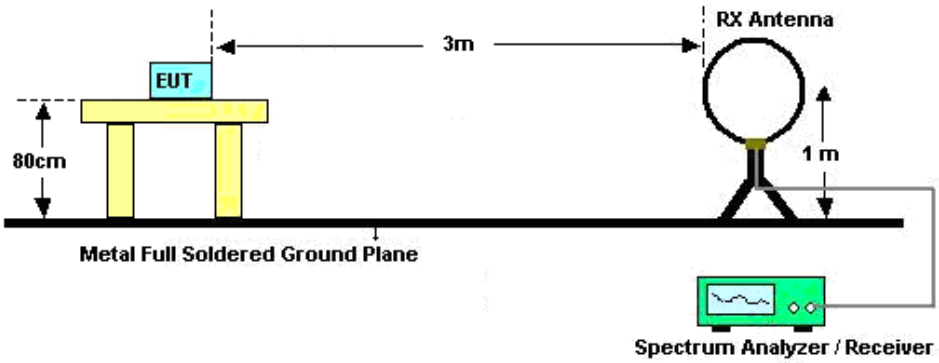
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

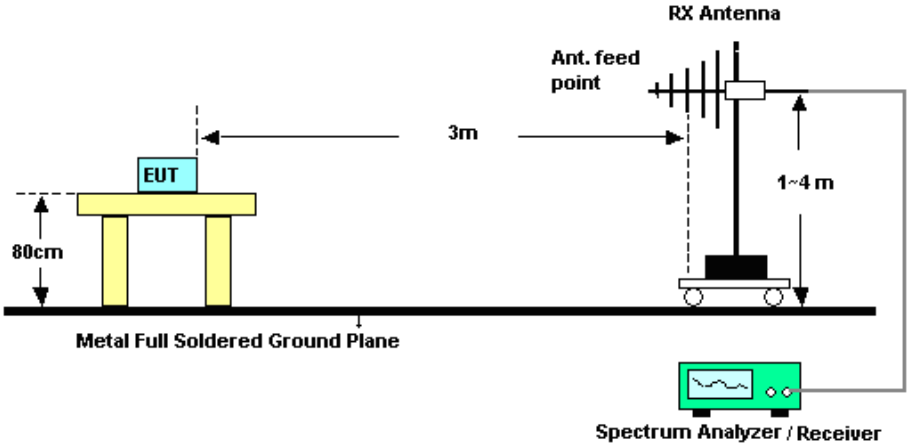
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better 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 average 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

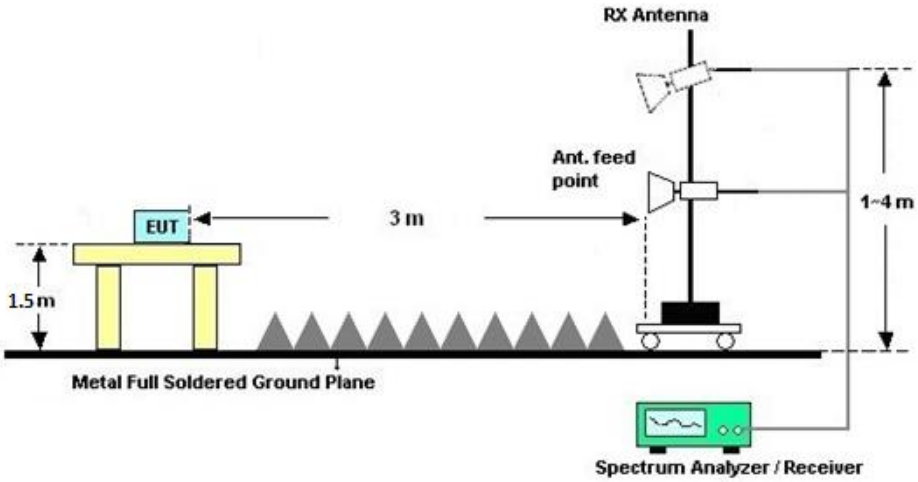
For radiated emissions below 30MHz



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)

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.

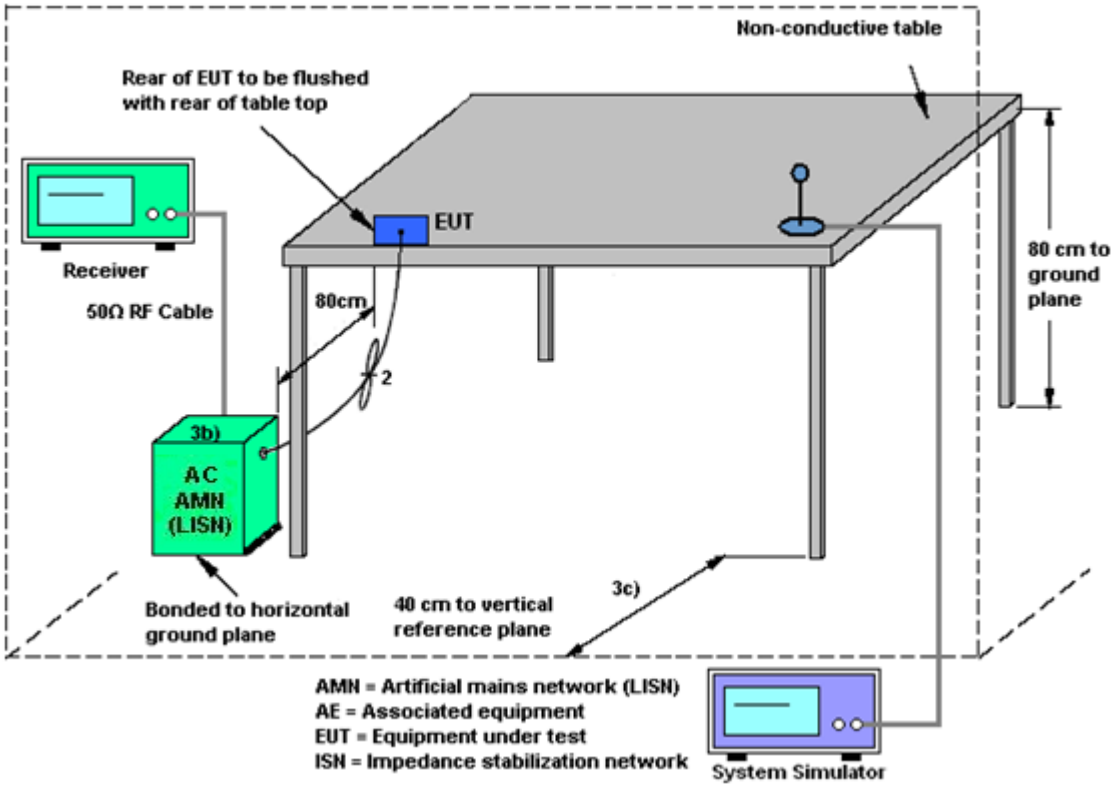
3.6.2 Measuring Instruments

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	-2.00	-2.00	-2.00	1.01	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
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 17, 2020	Dec. 01, 2020	Apr. 16, 2021	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 26, 2019	Dec. 01, 2020	Dec. 25, 2020	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 26, 2019	Dec. 01, 2020	Dec. 25, 2020	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 17, 2020	Dec. 20, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 17, 2020	Dec. 20, 2020	Apr. 16, 2021	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Dec. 20, 2020	Jun. 21, 2022	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Jun. 22, 2020	Dec. 20, 2020	Jun. 21, 2022	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 30, 2020	Dec. 20, 2020	Apr. 29, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21. 2020	Dec. 20, 2020	Jul. 20. 2021	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 23, 2020	Dec. 20, 2020	Apr. 22, 2021	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 17, 2019	Dec. 20, 2020	Oct. 16, 2021	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-	1943528	1GHz~18GHz	Oct. 17, 2019	Dec. 20, 2020	Oct. 15, 2021	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2019	Dec. 20, 2020	Dec. 25, 2020	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 20, 2020	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 20, 2020	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 20, 2020	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 27, 2019	Nov. 27, 2020	Dec. 26, 2020	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Dec. 28, 2019	Nov. 27, 2020	Dec. 27, 2020	Conduction (CO01-SZ)
AC LISN (for auxiliary	EMCO	3816/2SH	00103892	9kHz~30MHz	Oct. 15, 2020	Nov. 27, 2020	Oct. 14, 2021	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 21, 2020	Nov. 27, 2020	Jul. 20, 2021	Conduction (CO01-SZ)

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))	**2.7 dB**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9 dB**

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

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

Appendix A. Conducted Test Results

A1. Conducted Test Results

Test Engineer:	Liu Qiu Qiu	Temperature:	21~25	°C
Test Date:	2020/12/1	Relative Humidity:	51~54	%

TEST RESULTS DATA
Peak Output Power

2.4GHz Band MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	21.47	22.30	24.92	30.00		-2.00		22.92		36.00		Pass
11b	1Mbps	2	6	2437	21.57	22.10	24.85	30.00		-2.00		22.85		36.00		Pass
11b	1Mbps	2	11	2462	21.08	22.00	24.57	30.00		-2.00		22.57		36.00		Pass
11g	6Mbps	2	1	2412	25.62	25.50	28.57	30.00		-2.00		26.57		36.00		Pass
11g	6Mbps	2	6	2437	25.77	25.67	28.73	30.00		-2.00		26.73		36.00		Pass
11g	6Mbps	2	11	2462	24.80	25.50	28.17	30.00		-2.00		26.17		36.00		Pass
HT20	MCS0	2	1	2412	25.68	25.76	28.73	30.00		-2.00		26.73		36.00		Pass
HT20	MCS0	2	6	2437	25.78	25.66	28.73	30.00		-2.00		26.73		36.00		Pass
HT20	MCS0	2	11	2462	24.71	25.35	28.05	30.00		-2.00		26.05		36.00		Pass
HT40	MCS0	2	3	2422	23.80	23.90	26.86	30.00		-2.00		24.86		36.00		Pass
HT40	MCS0	2	6	2437	23.92	23.87	26.91	30.00		-2.00		24.91		36.00		Pass
HT40	MCS0	2	9	2452	23.77	23.73	26.76	30.00		-2.00		24.76		36.00		Pass
VHT20	MCSO	2	1	2412	25.23	25.16	28.21	30.00		-2.00		26.21		36.00		Pass
VHT20	MCSO	2	6	2437	25.17	25.13	28.16	30.00		-2.00		26.16		36.00		Pass
VHT20	MCSO	2	11	2462	24.22	24.99	27.63	30.00		-2.00		25.63		36.00		Pass
VHT40	MCS0	2	3	2422	23.55	23.46	26.52	30.00		-2.00		24.52		36.00		Pass
VHT40	MCS0	2	6	2437	23.46	23.47	26.48	30.00		-2.00		24.48		36.00		Pass
VHT40	MCS0	2	9	2452	23.18	23.23	26.22	30.00		-2.00		24.22		36.00		Pass

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

TEST RESULTS DATA
Peak Output Power

2.4GHz Band MIMO																	
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCSO	2	1	2412	Full	25.72	25.60	28.67	30.00		-2.00		26.67		36.00		Pass
HE20	MCSO	2	1	2412	26/0	18.11	18.58	21.36	30.00		-2.00		19.36		36.00		Pass
HE20	MCSO	2	1	2412	52/37	20.86	21.44	24.17	30.00		-2.00		22.17		36.00		Pass
HE20	MCSO	2	1	2412	106/53	23.91	24.15	27.04	30.00		-2.00		25.04		36.00		Pass
HE20	MCSO	2	6	2437	Full	25.78	25.62	28.71	30.00		-2.00		26.71		36.00		Pass
HE20	MCSO	2	11	2462	Full	24.80	25.36	28.10	30.00		-2.00		26.10		36.00		Pass
HE20	MCSO	2	11	2462	26/8	18.75	18.28	21.53	30.00		-2.00		19.53		36.00		Pass
HE20	MCSO	2	11	2462	52/40	20.18	20.34	23.27	30.00		-2.00		21.27		36.00		Pass
HE20	MCSO	2	11	2462	106/54	23.43	23.76	26.61	30.00		-2.00		24.61		36.00		Pass
HE40	MCS0	2	3	2422	Full	25.35	25.20	28.29	30.00		-2.00		26.29		36.00		Pass
HE40	MCS0	2	3	2422	242/61	25.00	24.94	27.98	30.00		-2.00		25.98		36.00		Pass
HE40	MCS0	2	6	2437	Full	25.04	24.85	27.96	30.00		-2.00		25.96		36.00		Pass
HE40	MCS0	2	9	2452	Full	24.94	24.83	27.90	30.00		-2.00		25.90		36.00		Pass
HE40	MCS0	2	9	2452	242/62	24.37	24.46	27.43	30.00		-2.00		25.43		36.00		Pass

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO							
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		
					Ant1	Ant2	SUM
11b	1Mbps	2	1	2412	18.90	19.90	22.44
11b	1Mbps	2	6	2437	19.10	19.60	22.37
11b	1Mbps	2	11	2462	18.50	19.50	22.04
11g	6Mbps	2	1	2412	18.90	18.70	21.81
11g	6Mbps	2	6	2437	18.90	18.60	21.76
11g	6Mbps	2	11	2462	18.40	18.50	21.46
HT20	MCS0	2	1	2412	18.70	18.70	21.71
HT20	MCS0	2	6	2437	18.80	18.50	21.66
HT20	MCS0	2	11	2462	18.30	18.40	21.36
HT40	MCS0	2	3	2422	16.60	16.70	19.66
HT40	MCS0	2	6	2437	16.70	16.50	19.61
HT40	MCS0	2	9	2452	16.50	16.40	19.46
VHT20	MCSO	2	1	2412	18.60	18.60	21.61
VHT20	MCSO	2	6	2437	18.70	18.40	21.56
VHT20	MCSO	2	11	2462	18.20	18.30	21.26
VHT40	MCS0	2	3	2422	16.50	16.60	19.56
VHT40	MCS0	2	6	2437	16.50	16.40	19.46
VHT40	MCS0	2	9	2452	16.40	16.30	19.36

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band MIMO								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)		
						Ant1	Ant2	SUM
HE20	MCS0	2	1	2412	Full	17.90	17.70	20.81
HE20	MCS0	2	1	2412	26/0	7.40	7.70	10.56
HE20	MCS0	2	1	2412	52/37	9.80	10.40	13.12
HE20	MCS0	2	1	2412	106/53	13.50	13.70	16.61
HE20	MCS0	2	6	2437	Full	17.80	17.60	20.71
HE20	MCS0	2	11	2462	Full	17.30	17.40	20.36
HE20	MCS0	2	11	2462	26/8	7.70	7.40	10.56
HE20	MCS0	2	11	2462	52/40	9.70	9.50	12.61
HE20	MCS0	2	11	2462	106/54	13.20	13.30	16.26
HE40	MCS0	2	3	2422	Full	17.70	17.60	20.66
HE40	MCS0	2	3	2422	242/61	14.70	14.60	17.66
HE40	MCS0	2	6	2437	Full	17.60	17.40	20.51
HE40	MCS0	2	9	2452	Full	17.50	17.30	20.41
HE40	MCS0	2	9	2452	242/62	14.20	14.20	17.21

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	2	1	2412	13.04	13.14	8.07	8.01	0.50	Pass
11b	1Mbps	2	6	2437	13.09	13.19	8.07	8.03	0.50	Pass
11b	1Mbps	2	11	2462	13.24	13.09	7.53	8.55	0.50	Pass
11g	6Mbps	2	1	2412	16.43	16.38	16.28	16.30	0.50	Pass
11g	6Mbps	2	6	2437	16.43	16.38	16.30	16.30	0.50	Pass
11g	6Mbps	2	11	2462	16.43	16.33	16.30	16.30	0.50	Pass
HT20	MCS0	2	1	2412	17.58	17.58	17.28	17.16	0.50	Pass
HT20	MCS0	2	6	2437	17.58	17.58	17.52	17.54	0.50	Pass
HT20	MCS0	2	11	2462	17.58	17.53	17.54	17.52	0.50	Pass
HT40	MCS0	2	3	2422	36.16	36.26	35.92	35.88	0.50	Pass
HT40	MCS0	2	6	2437	36.16	36.36	35.76	35.64	0.50	Pass
HT40	MCS0	2	9	2452	36.26	36.16	35.64	35.29	0.50	Pass

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant1	Ant2	Ant1	Ant2		
HE20	MCS0	2	1	2412	Full	18.98	18.93	18.88	18.76	0.50	Pass
HE20	MCS0	2	6	2437	Full	18.93	18.88	18.88	18.54	0.50	Pass
HE20	MCS0	2	11	2462	Full	18.93	18.93	18.92	18.78	0.50	Pass
HE40	MCS0	2	3	2422	Full	37.86	37.86	37.76	37.60	0.50	Pass
HE40	MCS0	2	6	2437	Full	37.86	37.96	37.72	37.64	0.50	Pass
HE40	MCS0	2	9	2452	Full	37.96	37.86	37.52	36.88	0.50	Pass

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	2	1	2412	-3.87	-4.34	-0.86	1.01		8.00		Pass
11b	1Mbps	2	6	2437	-3.66	-3.91	-0.65	1.01		8.00		Pass
11b	1Mbps	2	11	2462	-5.60	-3.11	-0.10	1.01		8.00		Pass
11g	6Mbps	2	1	2412	-6.04	-6.52	-3.03	1.01		8.00		Pass
11g	6Mbps	2	6	2437	-6.81	-6.91	-3.80	1.01		8.00		Pass
11g	6Mbps	2	11	2462	-8.00	-7.16	-4.15	1.01		8.00		Pass
HT20	MCS0	2	1	2412	-6.66	-6.48	-3.47	1.01		8.00		Pass
HT20	MCS0	2	6	2437	-7.08	-6.90	-3.89	1.01		8.00		Pass
HT20	MCS0	2	11	2462	-6.72	-5.25	-2.24	1.01		8.00		Pass
HT40	MCS0	2	3	2422	-11.18	-10.80	-7.79	1.01		8.00		Pass
HT40	MCS0	2	6	2437	-10.50	-11.55	-7.49	1.01		8.00		Pass
HT40	MCS0	2	9	2452	-11.72	-10.31	-7.30	1.01		8.00		Pass

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

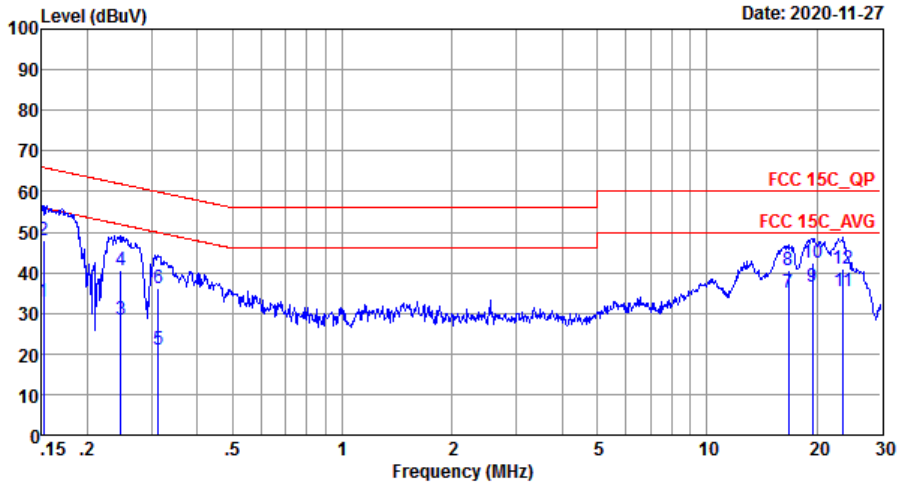
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	2	1	2412	Full	-7.86	-8.33	-4.85	1.01		8.00		Pass
HE20	MCS0	2	1	2412	26/0	-9.33	-8.66	-5.65	1.01		8.00		Pass
HE20	MCS0	2	1	2412	52/37	-9.00	-8.71	-5.70	1.01		8.00		Pass
HE20	MCS0	2	1	2412	106/53	-8.62	-8.39	-5.38	1.01		8.00		Pass
HE20	MCS0	2	6	2437	Full	-7.27	-8.96	-4.26	1.01		8.00		Pass
HE20	MCS0	2	11	2462	Full	-8.34	-8.61	-5.33	1.01		8.00		Pass
HE20	MCS0	2	11	2462	26/8	-9.14	-9.64	-6.13	1.01		8.00		Pass
HE20	MCS0	2	11	2462	52/40	-8.84	-8.93	-5.83	1.01		8.00		Pass
HE20	MCS0	2	11	2462	106/54	-8.47	-8.80	-5.46	1.01		8.00		Pass
HE40	MCS0	2	3	2422	Full	-10.45	-10.20	-7.19	1.01		8.00		Pass
HE40	MCS0	2	3	2422	242/61	-10.52	-10.25	-7.24	1.01		8.00		Pass
HE40	MCS0	2	6	2437	Full	-10.88	-10.96	-7.87	1.01		8.00		Pass
HE40	MCS0	2	9	2452	Full	-10.63	-10.04	-7.03	1.01		8.00		Pass
HE40	MCS0	2	9	2452	242/62	-10.93	-10.88	-7.87	1.01		8.00		Pass

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

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Xie YuQiang	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

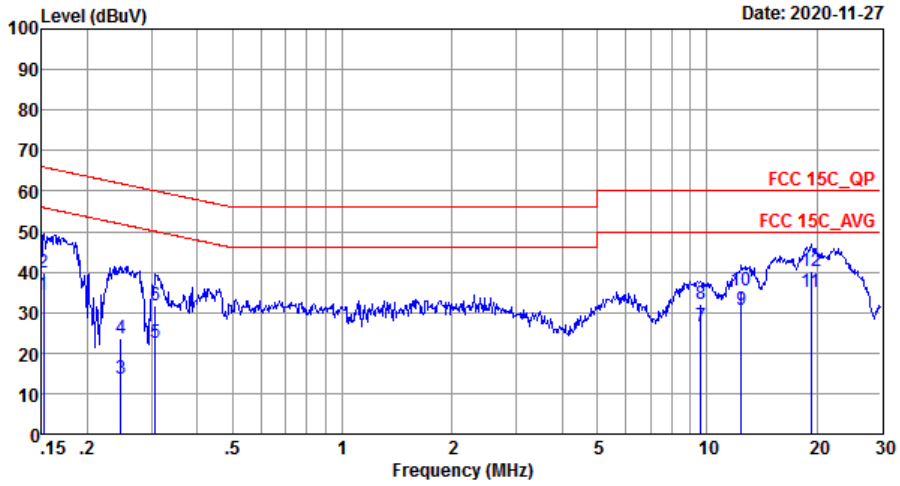


Site : CO01-SZ
Condition: FCC 15C QP LISN_20200719_L LINE

IMEI : 990016750028217

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	32.84	-23.07	55.91	22.80	0.03	10.01	Average
2		0.15	47.84	-18.07	65.91	37.80	0.03	10.01	QP
3		0.25	28.54	-23.32	51.86	18.50	0.03	10.01	Average
4		0.25	40.44	-21.42	61.86	30.40	0.03	10.01	QP
5		0.31	21.04	-28.84	49.88	11.00	0.03	10.01	Average
6		0.31	36.04	-23.84	59.88	26.00	0.03	10.01	QP
7		16.75	35.00	-15.00	50.00	23.90	0.81	10.29	Average
8		16.75	40.50	-19.50	60.00	29.40	0.81	10.29	QP
9	*	19.43	36.51	-13.49	50.00	25.00	1.22	10.29	Average
10		19.43	42.51	-17.49	60.00	31.00	1.22	10.29	QP
11		23.64	35.38	-14.62	50.00	23.70	1.35	10.33	Average
12		23.64	41.08	-18.92	60.00	29.40	1.35	10.33	QP

Test Engineer :	Xie YuQiang	**Temperature :**	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15C_QP LISN_20200719_N NEUTRAL

IMEI : 990016750028217

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	34.14	-21.77	55.91	24.10	0.03	10.01	Average
2		0.15	39.74	-26.17	65.91	29.70	0.03	10.01	QP
3		0.25	13.64	-38.22	51.86	3.60	0.03	10.01	Average
4		0.25	23.54	-38.32	61.86	13.50	0.03	10.01	QP
5		0.31	22.34	-27.72	50.06	12.30	0.03	10.01	Average
6		0.31	31.84	-28.22	60.06	21.80	0.03	10.01	QP
7		9.60	26.70	-23.30	50.00	16.30	0.15	10.25	Average
8		9.60	32.00	-28.00	60.00	21.60	0.15	10.25	QP
9		12.45	30.62	-19.38	50.00	20.10	0.25	10.27	Average
10		12.45	35.52	-24.48	60.00	25.00	0.25	10.27	QP
11	*	19.33	34.94	-15.06	50.00	24.10	0.55	10.29	Average
12		19.33	40.24	-19.76	60.00	29.40	0.55	10.29	QP

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

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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2389.59	50.23	-23.77	74	51.92	26.98	4.91	33.58	103	114	P	H
		2390	41.12	-12.88	54	42.79	26.98	4.91	33.56	103	114	A	H
	*	2412	108.96	-	-	110.59	27	4.93	33.56	103	114	P	H
	*	2412	105.97	-	-	107.6	27	4.93	33.56	103	114	A	H
		2340.555	49.87	-24.13	74	51.74	26.91	4.81	33.59	400	230	P	V
		2389.485	40.64	-13.36	54	42.33	26.98	4.91	33.58	400	230	A	V
	*	2412	102.15	-	-	103.78	27	4.93	33.56	400	230	P	V
	*	2412	99.19	-	-	100.82	27	4.93	33.56	400	230	A	V
802.11b CH 06 2437MHz		2387.28	50.13	-23.87	74	51.82	26.98	4.91	33.58	144	85	P	H
		2389.94	40.78	-13.22	54	42.45	26.98	4.91	33.56	144	85	A	H
	*	2437	109.55	-	-	111.09	27.04	4.96	33.54	144	85	P	H
	*	2437	106.38	-	-	107.92	27.04	4.96	33.54	144	85	A	H
		2499.72	50.38	-23.62	74	51.77	27.1	5.01	33.5	144	85	P	H
		2498.81	41.23	-12.77	54	42.62	27.1	5.01	33.5	144	85	A	H
		2372.3	50	-24	74	51.74	26.96	4.88	33.58	396	144	P	V
		2342.76	40.65	-13.35	54	42.52	26.91	4.81	33.59	396	144	A	V
	*	2437	104.27	-	-	105.81	27.04	4.96	33.54	396	144	P	V
	*	2437	101.11	-	-	102.65	27.04	4.96	33.54	396	144	A	V
		2497.13	50.22	-23.78	74	51.61	27.1	5.01	33.5	396	144	P	V
		2485.3	40.86	-13.14	54	42.3	27.08	4.99	33.51	396	144	A	V

802.11b CH 11 2462MHz	*	2462	109.09	-	-	110.58	27.06	4.98	33.53	113	79	P	H
	*	2462	106.12	-	-	107.61	27.06	4.98	33.53	113	79	A	H
		2489.48	50.57	-23.43	74	51.97	27.1	5.01	33.51	113	79	P	H
		2483.76	41.37	-12.63	54	42.81	27.08	4.99	33.51	113	79	A	H
	*	2462	104.89	-	-	106.38	27.06	4.98	33.53	400	269	P	V
	*	2462	101.96	-	-	103.45	27.06	4.98	33.53	400	269	A	V
		2487.28	50.48	-23.52	74	51.92	27.08	4.99	33.51	400	269	P	V
		2498.8	41.12	-12.88	54	42.51	27.1	5.01	33.5	400	269	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 802.11b (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)
802.11b CH 01 2412MHz		4824	41.09	-32.91	74	60.61	30.85	7.11	57.48	145	274	P	H
		4824	39.93	-34.07	74	59.45	30.85	7.11	57.48	191	220	P	V
802.11b CH 06 2437MHz		4874	41.4	-32.6	74	60.74	30.99	7.19	57.52	112	229	P	H
		7311	46.1	-27.9	74	60	36.26	8.76	58.92	174	100	P	H
		4874	39.89	-34.11	74	59.23	30.99	7.19	57.52	202	0	P	V
		7311	46.02	-27.98	74	59.92	36.26	8.76	58.92	120	106	P	V
802.11b CH 11 2462MHz		4924	40.41	-33.59	74	59.62	31.12	7.22	57.55	133	180	P	H
		7386	46.37	-27.63	74	59.83	36.55	8.95	58.96	145	274	P	H
		4924	40.96	-33.04	74	60.17	31.12	7.22	57.55	202	0	P	V
		7386	47.86	-26.14	74	61.32	36.55	8.95	58.96	166	210	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 802.11g (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)
802.11g CH 01 2412MHz		2389.38	60.51	-13.49	74	62.2	26.98	4.91	33.58	129	267	P	H
		2390	47.62	-6.38	54	49.29	26.98	4.91	33.56	129	267	A	H
	*	2412	112.29	-	-	113.92	27	4.93	33.56	129	267	P	H
	*	2412	104.75	-	-	106.38	27	4.93	33.56	129	267	A	H
		2390	57.71	-16.29	74	59.38	26.98	4.91	33.56	400	295	P	V
		2390	45.58	-8.42	54	47.25	26.98	4.91	33.56	400	295	A	V
	*	2412	109.37	-	-	111	27	4.93	33.56	400	295	P	V
	*	2412	102.28	-	-	103.91	27	4.93	33.56	400	295	A	V
802.11g CH 06 2437MHz		2370.06	50.12	-23.88	74	51.86	26.96	4.88	33.58	100	267	P	H
		2389.8	39.48	-14.52	54	41.15	26.98	4.91	33.56	100	267	A	H
	*	2437	111.52	-	-	113.06	27.04	4.96	33.54	100	267	P	H
	*	2437	104.08	-	-	105.62	27.04	4.96	33.54	100	267	A	H
		2484.6	50.03	-23.97	74	51.47	27.08	4.99	33.51	100	267	P	H
		2484.39	39.76	-14.24	54	41.2	27.08	4.99	33.51	100	267	A	H
		2361.66	49.68	-24.32	74	51.5	26.93	4.84	33.59	397	265	P	V
		2389.66	39.04	-14.96	54	40.73	26.98	4.91	33.58	397	265	A	V
	*	2437	109.2	-	-	110.74	27.04	4.96	33.54	397	265	P	V
	*	2437	101.68	-	-	103.22	27.04	4.96	33.54	397	265	A	V
		2494.26	49.82	-24.18	74	51.21	27.1	5.01	33.5	397	265	P	V
		2483.62	39.51	-14.49	54	40.95	27.08	4.99	33.51	397	265	A	V

802.11g CH 11 2462MHz	*	2462	112.13	-	-	113.62	27.06	4.98	33.53	125	267	P	H
	*	2462	104.28	-	-	105.77	27.06	4.98	33.53	125	267	A	H
		2483.52	57.89	-16.11	74	59.33	27.08	4.99	33.51	125	267	P	H
		2484.04	45.89	-8.11	54	47.33	27.08	4.99	33.51	125	267	A	H
	*	2462	108.87	-	-	110.36	27.06	4.98	33.53	392	270	P	V
	*	2462	101.24	-	-	102.73	27.06	4.98	33.53	392	270	A	V
		2485.64	55.67	-18.33	74	57.11	27.08	4.99	33.51	392	270	P	V
		2483.52	43.69	-10.31	54	45.13	27.08	4.99	33.51	392	270	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+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	39.82	-34.18	74	59.34	30.85	7.11	57.48	145	274	P	H
		4824	40.56	-33.44	74	60.08	30.85	7.11	57.48	191	220	P	V
802.11g CH 06 2437MHz		4874	40.17	-33.83	74	59.51	30.99	7.19	57.52	112	229	P	H
		7311	46.1	-27.9	74	60	36.26	8.76	58.92	174	100	P	H
		4874	41.5	-32.5	74	60.84	30.99	7.19	57.52	202	0	P	V
		7311	46.35	-27.65	74	60.25	36.26	8.76	58.92	120	106	P	V
802.11g CH 11 2462MHz		4924	40.25	-33.75	74	59.46	31.12	7.22	57.55	133	180	P	H
		7386	45.88	-28.12	74	59.34	36.55	8.95	58.96	145	274	P	H
		4924	40.46	-33.54	74	59.67	31.12	7.22	57.55	201	0	P	V
		7386	46.32	-27.68	74	59.78	36.55	8.95	58.96	166	210	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)
		2388.96	58.14	-15.86	74	59.83	26.98	4.91	33.58	102	271	P	H
		2389.485	45.48	-8.52	54	47.17	26.98	4.91	33.58	102	271	A	H
802.11n	*	2412	112.62	-	-	114.25	27	4.93	33.56	102	271	P	H
HT20	*	2412	105.21	-	-	106.84	27	4.93	33.56	102	271	A	H
CH 01		2389.065	54.77	-19.23	74	56.46	26.98	4.91	33.58	400	298	P	V
2412MHz		2390	44.18	-9.82	54	45.85	26.98	4.91	33.56	400	298	A	V
	*	2412	109.8	-	-	111.43	27	4.93	33.56	400	298	P	V
	*	2412	102.03	-	-	103.66	27	4.93	33.56	400	298	A	V
		2383.36	50.29	-23.71	74	52.03	26.96	4.88	33.58	100	272	P	H
		2389.94	39.56	-14.44	54	41.23	26.98	4.91	33.56	100	272	A	H
	*	2437	111.91	-	-	113.45	27.04	4.96	33.54	100	272	P	H
	*	2437	104.74	-	-	106.28	27.04	4.96	33.54	100	272	A	H
802.11n		2485.16	50.36	-23.64	74	51.8	27.08	4.99	33.51	100	272	P	H
HT20		2483.83	39.84	-14.16	54	41.28	27.08	4.99	33.51	100	272	A	H
CH 06		2388.68	49.62	-24.38	74	51.31	26.98	4.91	33.58	400	298	P	V
2437MHz		2389.38	39.06	-14.94	54	40.75	26.98	4.91	33.58	400	298	A	V
	*	2437	109.43	-	-	110.97	27.04	4.96	33.54	400	298	P	V
	*	2437	101.51	-	-	103.05	27.04	4.96	33.54	400	298	A	V
		2486.07	50.09	-23.91	74	51.53	27.08	4.99	33.51	400	298	P	V
		2483.5	39.52	-14.48	54	40.96	27.08	4.99	33.51	400	298	A	V

	*	2462	112.18	-	-	113.67	27.06	4.98	33.53	100	272	P	H
	*	2462	104.9	-	-	106.39	27.06	4.98	33.53	100	272	A	H
802.11n		2486.32	57	-17	74	58.44	27.08	4.99	33.51	100	272	P	H
HT20		2485.68	44.25	-9.75	54	45.69	27.08	4.99	33.51	100	272	A	H
CH 11	*	2462	109.89	-	-	111.38	27.06	4.98	33.53	344	271	P	V
2462MHz	*	2462	102.23	-	-	103.72	27.06	4.98	33.53	344	271	A	V
		2484.2	56.98	-17.02	74	58.42	27.08	4.99	33.51	344	271	P	V
		2483.52	46.26	-7.74	54	47.7	27.08	4.99	33.51	344	271	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	40.91	-33.09	74	60.43	30.85	7.11	57.48	145	274	P	H
		4824	40.36	-33.64	74	59.88	30.85	7.11	57.48	191	220	P	V
802.11n HT20 CH 06 2437MHz		4874	40.11	-33.89	74	59.45	30.99	7.19	57.52	112	229	P	H
		7311	45.63	-28.37	74	59.53	36.26	8.76	58.92	174	100	P	H
		4874	41.53	-32.47	74	60.87	30.99	7.19	57.52	202	0	P	V
		7311	46.9	-27.1	74	60.8	36.26	8.76	58.92	120	106	P	V
802.11n HT20 CH 11 2462MHz		4924	40.18	-33.82	74	59.39	31.12	7.22	57.55	133	180	P	H
		7386	46.91	-27.09	74	60.37	36.55	8.95	58.96	145	274	P	H
		4924	40.76	-33.24	74	59.97	31.12	7.22	57.55	202	0	P	V
		7386	46.1	-27.9	74	59.56	36.55	8.95	58.96	166	210	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 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)
		2389.94	50.85	-23.15	74	52.52	26.98	4.91	33.56	162	271	P	H
		2389.94	40.69	-13.31	54	42.36	26.98	4.91	33.56	162	271	A	H
	*	2422	107.08	-	-	108.66	27.02	4.94	33.54	162	271	P	H
	*	2422	99.79	-	-	101.37	27.02	4.94	33.54	162	271	A	H
802.11n		2494.47	49.63	-24.37	74	51.02	27.1	5.01	33.5	162	271	P	H
HT40		2484.32	39.65	-14.35	54	41.09	27.08	4.99	33.51	162	271	A	H
CH 03		2388.96	51.31	-22.69	74	53	26.98	4.91	33.58	400	226	P	V
2422MHz		2389.1	40.06	-13.94	54	41.75	26.98	4.91	33.58	400	226	A	V
	*	2422	104.74	-	-	106.32	27.02	4.94	33.54	400	226	P	V
	*	2422	97.52	-	-	99.1	27.02	4.94	33.54	400	226	A	V
		2497.27	50.09	-23.91	74	51.48	27.1	5.01	33.5	400	226	P	V
		2483.83	39.73	-14.27	54	41.17	27.08	4.99	33.51	400	226	A	V
		2354.1	50.49	-23.51	74	52.31	26.93	4.84	33.59	100	272	P	H
		2389.94	40.16	-13.84	54	41.83	26.98	4.91	33.56	100	272	A	H
	*	2437	108.12	-	-	109.66	27.04	4.96	33.54	100	272	P	H
	*	2437	100.55	-	-	102.09	27.04	4.96	33.54	100	272	A	H
802.11n		2484.39	50.5	-23.5	74	51.94	27.08	4.99	33.51	100	272	P	H
HT40		2483.5	40.53	-13.47	54	41.97	27.08	4.99	33.51	100	272	A	H
CH 06		2336.32	49.8	-24.2	74	51.68	26.91	4.81	33.6	391	268	P	V
2437MHz		2389.8	39.14	-14.86	54	40.81	26.98	4.91	33.56	391	268	A	V
	*	2437	104.95	-	-	106.49	27.04	4.96	33.54	391	268	P	V
	*	2437	97	-	-	98.54	27.04	4.96	33.54	391	268	A	V
		2483.83	50.02	-23.98	74	51.46	27.08	4.99	33.51	391	268	P	V
		2483.69	39.78	-14.22	54	41.22	27.08	4.99	33.51	391	268	A	V

		2387.84	49.73	-24.27	74	51.42	26.98	4.91	33.58	127	271	P	H
		2389.52	39.65	-14.35	54	41.34	26.98	4.91	33.58	127	271	A	H
	*	2452	108.07	-	-	109.6	27.04	4.96	33.53	127	271	P	H
	*	2452	100.21	-	-	101.74	27.04	4.96	33.53	127	271	A	H
802.11n		2484.46	54.17	-19.83	74	55.61	27.08	4.99	33.51	127	271	P	H
HT40		2485.65	42.73	-11.27	54	44.17	27.08	4.99	33.51	127	271	A	H
CH 09		2338.56	49.66	-24.34	74	51.54	26.91	4.81	33.6	391	268	P	V
2452MHz		2389.94	38.97	-15.03	54	40.64	26.98	4.91	33.56	391	268	A	V
	*	2452	104.95	-	-	106.48	27.04	4.96	33.53	391	268	P	V
	*	2452	97	-	-	98.53	27.04	4.96	33.53	391	268	A	V
		2486.56	51.51	-22.49	74	52.95	27.08	4.99	33.51	391	268	P	V
		2483.5	41.31	-12.69	54	42.75	27.08	4.99	33.51	391	268	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		4844	40.34	-33.66	74	59.79	30.9	7.14	57.49	129	172	P	H
HT40		7266	45.63	-28.37	74	59.65	36.14	8.75	58.91	200	360	P	H
CH 03		4844	39.86	-34.14	74	59.31	30.9	7.14	57.49	157	296	P	V
2422MHz		7266	45.86	-28.14	74	59.88	36.14	8.75	58.91	265	303	P	V
802.11n		4874	40.22	-33.78	74	59.56	30.99	7.19	57.52	163	309	P	H
HT40		7311	46.08	-27.92	74	59.98	36.26	8.76	58.92	285	151	P	H
CH 06		4874	39.8	-34.2	74	59.14	30.99	7.19	57.52	296	37	P	V
2437MHz		7311	45.86	-28.14	74	59.76	36.26	8.76	58.92	135	168	P	V
802.11n		4904	40.12	-33.88	74	59.37	31.08	7.21	57.54	199	203	P	H
HT40		7356	46.33	-27.67	74	59.97	36.43	8.87	58.94	112	72	P	H
CH 09		4904	40.08	-33.92	74	59.33	31.08	7.21	57.54	158	274	P	V
2452MHz		7356	46.81	-27.19	74	60.45	36.43	8.87	58.94	302	260	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

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+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		30	20.93	-19.07	40	35.23	18.85	1.85	35	-	-	P	H
		90.14	26.71	-16.79	43.5	45.62	13.92	2.35	35.18	-	-	P	H
		133.79	22.26	-21.24	43.5	36.41	18.46	2.52	35.13	-	-	P	H
		326.82	30.48	-15.52	46	41.7	20.47	3.21	34.9	100	321	P	H
		401.51	27.12	-18.88	46	36.49	22.12	3.31	34.8	-	-	P	H
		842.86	28.43	-17.57	46	30.12	28.57	4.04	34.3	-	-	P	H
		30.97	23.92	-16.08	40	38.13	18.91	1.88	35	-	-	P	V
		90.14	33.51	-9.99	43.5	52.42	13.92	2.35	35.18	121	26	P	V
		153.19	32.68	-10.82	43.5	45.93	19.29	2.56	35.1	-	-	P	V
		238.55	25.54	-20.46	46	39.77	17.96	2.83	35.02	-	-	P	V
		284.14	26.4	-19.6	46	38.79	19.46	3.08	34.93	-	-	P	V
		859.35	29.5	-16.5	46	31.02	28.68	4.1	34.3	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

For Full RU:

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (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+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		2389.8	53.36	-20.64	74	55.03	26.98	4.91	33.56	101	283	P	H
		2390	42.72	-11.28	54	44.39	26.98	4.91	33.56	101	283	A	H
802.11ax	*	2412	109.39	-	-	111.02	27	4.93	33.56	101	283	P	H
HE20 Full	*	2412	100.65	-	-	102.28	27	4.93	33.56	101	283	A	H
CH 01		2389.8	50.68	-23.32	74	52.35	26.98	4.91	33.56	398	308	P	V
2412MHz		2390	40.9	-13.1	54	42.57	26.98	4.91	33.56	398	308	A	V
	*	2412	107.67	-	-	109.3	27	4.93	33.56	398	308	P	V
	*	2412	97.99	-	-	99.62	27	4.93	33.56	398	308	A	V
		2350.74	49.47	-24.53	74	51.34	26.91	4.81	33.59	100	285	P	H
		2389.94	39.25	-14.75	54	40.92	26.98	4.91	33.56	100	285	A	H
	*	2437	110.62	-	-	112.16	27.04	4.96	33.54	100	285	P	H
	*	2437	100.75	-	-	102.29	27.04	4.96	33.54	100	285	A	H
802.11ax		2483.62	49.94	-24.06	74	51.38	27.08	4.99	33.51	100	285	P	H
HE20 Full		2484.18	39.58	-14.42	54	41.02	27.08	4.99	33.51	100	285	A	H
CH 06		2382.94	49.64	-24.36	74	51.38	26.96	4.88	33.58	385	309	P	V
2437MHz		2389.52	38.79	-15.21	54	40.48	26.98	4.91	33.58	385	309	A	V
	*	2437	107.06	-	-	108.6	27.04	4.96	33.54	385	309	P	V
	*	2437	97.44	-	-	98.98	27.04	4.96	33.54	385	309	A	V
		2490.9	50	-24	74	51.4	27.1	5.01	33.51	385	309	P	V
		2484.04	39.36	-14.64	54	40.8	27.08	4.99	33.51	385	309	A	V

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)
	*	2462	109.31	-	-	110.8	27.06	4.98	33.53	107	280	P	H
	*	2462	100.5	-	-	101.99	27.06	4.98	33.53	107	280	A	H
8802.11ax		2484.12	53.16	-20.84	74	54.6	27.08	4.99	33.51	107	280	P	H
HE20 Full		2483.52	42.69	-11.31	54	44.13	27.08	4.99	33.51	107	280	A	H
CH 11	*	2462	107.5	-	-	108.99	27.06	4.98	33.53	385	309	P	V
2462MHz	*	2462	98.42	-	-	99.91	27.06	4.98	33.53	385	309	A	V
		2483.8	54.74	-19.26	74	56.18	27.08	4.99	33.51	385	309	P	V
		2483.52	43.34	-10.66	54	44.78	27.08	4.99	33.51	385	309	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	39.25	-34.75	74	58.77	30.85	7.11	57.48	176	274	P	H
		4824	39.09	-34.91	74	58.61	30.85	7.11	57.48	191	86	P	V
802.11ax HE20 Full CH 06 2437MHz		4874	39.44	-34.56	74	58.78	30.99	7.19	57.52	183	278	P	H
		7311	45.64	-28.36	74	59.54	36.26	8.76	58.92	174	189	P	H
		4874	40.11	-33.89	74	59.45	30.99	7.19	57.52	201	0	P	V
		7311	46.11	-27.89	74	60.01	36.26	8.76	58.92	187	196	P	V
802.11ax HE20 Full CH 11 2462MHz		4924	39.85	-34.15	74	59.06	31.12	7.22	57.55	142	196	P	H
		7386	46.27	-27.73	74	59.73	36.55	8.95	58.96	189	217	P	H
		4924	40.8	-33.2	74	60.01	31.12	7.22	57.55	201	0	P	V
		7386	46.59	-27.41	74	60.05	36.55	8.95	58.96	199	222	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 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)
		2389.52	53.33	-20.67	74	55.02	26.98	4.91	33.58	101	283	P	H
		2389.94	42.7	-11.3	54	44.37	26.98	4.91	33.56	101	283	A	H
	*	2422	107.58	-	-	109.16	27.02	4.94	33.54	101	283	P	H
	*	2422	97.85	-	-	99.43	27.02	4.94	33.54	101	283	A	H
802.11ax		2483.55	50.1	-23.9	74	51.54	27.08	4.99	33.51	101	283	P	H
HE40 Full		2483.5	40.02	-13.98	54	41.46	27.08	4.99	33.51	101	283	A	H
CH 03		2389.8	50.64	-23.36	74	52.31	26.98	4.91	33.56	399	308	P	V
2422MHz		2389.94	40.61	-13.39	54	42.28	26.98	4.91	33.56	399	308	A	V
	*	2422	104.55	-	-	106.13	27.02	4.94	33.54	399	308	P	V
	*	2422	95.24	-	-	96.82	27.02	4.94	33.54	399	308	A	V
		2487.47	49.85	-24.15	74	51.29	27.08	4.99	33.51	399	308	P	V
		2483.55	39.48	-14.52	54	40.92	27.08	4.99	33.51	399	308	A	V
		2338.98	50.37	-23.63	74	52.24	26.91	4.81	33.59	101	283	P	H
		2389.94	40.65	-13.35	54	42.32	26.98	4.91	33.56	101	283	A	H
	*	2437	107.78	-	-	109.32	27.04	4.96	33.54	101	283	P	H
	*	2437	98.9	-	-	100.44	27.04	4.96	33.54	101	283	A	H
802.11ax		2483.97	51.32	-22.68	74	52.76	27.08	4.99	33.51	101	283	P	H
HE40 Full		2483.5	41.08	-12.92	54	42.52	27.08	4.99	33.51	101	283	A	H
CH 06		2351.44	49.95	-24.05	74	51.82	26.91	4.81	33.59	393	307	P	V
2437MHz		2389.94	39.29	-14.71	54	40.96	26.98	4.91	33.56	393	307	A	V
	*	2437	105.07	-	-	106.61	27.04	4.96	33.54	393	307	P	V
	*	2437	95.2	-	-	96.74	27.04	4.96	33.54	393	307	A	V
		2484.11	50.41	-23.59	74	51.85	27.08	4.99	33.51	393	307	P	V
		2483.69	40.26	-13.74	54	41.7	27.08	4.99	33.51	393	307	A	V

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)
		2389.24	50.01	-23.99	74	51.7	26.98	4.91	33.58	103	282	P	H
		2389.66	39.78	-14.22	54	41.47	26.98	4.91	33.58	103	282	A	H
	*	2452	107.76	-	-	109.29	27.04	4.96	33.53	103	282	P	H
	*	2452	97.42	-	-	98.95	27.04	4.96	33.53	103	282	A	H
802.11ax		2483.9	52.28	-21.72	74	53.72	27.08	4.99	33.51	103	282	P	H
HE40 Full		2483.5	42.2	-11.8	54	43.64	27.08	4.99	33.51	103	282	A	H
CH 09		2321.48	49.92	-24.08	74	51.85	26.89	4.78	33.6	393	307	P	V
2452MHz		2389.94	38.93	-15.07	54	40.6	26.98	4.91	33.56	393	307	A	V
	*	2452	104.34	-	-	105.87	27.04	4.96	33.53	393	307	P	V
	*	2452	95.1	-	-	96.63	27.04	4.96	33.53	393	307	A	V
		2484.25	51.86	-22.14	74	53.3	27.08	4.99	33.51	393	307	P	V
		2483.5	42.31	-11.69	54	43.75	27.08	4.99	33.51	393	307	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		4844	39.56	-34.44	74	59.01	30.9	7.14	57.49	189	176	P	H
HE40 Full		7266	46.28	-27.72	74	60.3	36.14	8.75	58.91	215	312	P	H
CH 03		4844	40.64	-33.36	74	60.09	30.9	7.14	57.49	196	266	P	V
2422MHz		7266	45.53	-28.47	74	59.55	36.14	8.75	58.91	275	312	P	V
802.11ax		4874	39.62	-34.38	74	58.96	30.99	7.19	57.52	188	175	P	H
HE40 Full		7311	45.57	-28.43	74	59.47	36.26	8.76	58.92	186	199	P	H
CH 06		4874	39.29	-34.71	74	58.63	30.99	7.19	57.52	225	96	P	V
2437MHz		7311	46.24	-27.76	74	60.14	36.26	8.76	58.92	185	189	P	V
802.11ax		4904	39.48	-34.52	74	58.73	31.08	7.21	57.54	114	299	P	H
HE40 Full		7356	45.69	-28.31	74	59.33	36.43	8.87	58.94	196	153	P	H
CH 09		4904	39.95	-34.05	74	59.2	31.08	7.21	57.54	182	269	P	V
2452MHz		7356	45.93	-28.07	74	59.57	36.43	8.87	58.94	385	269	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

For Partial RU:

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (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+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		2388.96	53.55	-20.45	74	55.24	26.98	4.91	33.58	131	318	P	H
802.11ax		2390	40.34	-13.66	54	42.01	26.98	4.91	33.56	131	318	A	H
HE20	*	2412	111.07	-	-	112.7	27	4.93	33.56	131	318	P	H
Partial	*	2412	102.61	-	-	104.24	27	4.93	33.56	131	318	A	H
106/53		2341.185	50.08	-23.92	74	51.95	26.91	4.81	33.59	285	262	P	V
CH 01		2389.905	39.31	-14.69	54	40.98	26.98	4.91	33.56	285	262	A	V
2412MHz	*	2412	102.26	-	-	103.89	27	4.93	33.56	285	262	P	V
	*	2412	94.12	-	-	95.75	27	4.93	33.56	285	262	A	V
	*	2462	110.91	-	-	112.4	27.06	4.98	33.53	100	331	P	H
802.11ax	*	2462	102.28	-	-	103.77	27.06	4.98	33.53	100	331	A	H
HE20		2487.04	54.7	-19.3	74	56.14	27.08	4.99	33.51	100	331	P	H
Partial		2483.52	39.81	-14.19	54	41.25	27.08	4.99	33.51	100	331	A	H
106/54	*	2462	103.42	-	-	104.91	27.06	4.98	33.53	352	92	P	V
CH 11	*	2462	95.34	-	-	96.83	27.06	4.98	33.53	352	92	A	V
2462MHz		2484.24	49.77	-24.23	74	51.21	27.08	4.99	33.51	352	92	P	V
		2483.56	39.24	-14.76	54	40.68	27.08	4.99	33.51	352	92	A	V

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (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 Partial 106/53 CH 01 2412MHz		4824	41.28	-32.72	74	60.8	30.85	7.11	57.48	185	296	P	H
		4824	40.14	-33.86	74	59.66	30.85	7.11	57.48	117	210	P	V
802.11ax HE20 Partial 106/54 CH 11 2462MHz		4924	39.67	-34.33	74	58.88	31.12	7.22	57.55	142	196	P	H
		7386	46.05	-27.95	74	59.51	36.55	8.95	58.96	189	217	P	H
		4924	40.04	-33.96	74	59.25	31.12	7.22	57.55	201	0	P	V
		7386	45.1	-28.9	74	58.56	36.55	8.95	58.96	199	222	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)
		2389.24	59.85	-14.15	74	61.54	26.98	4.91	33.58	100	285	P	H
		2389.94	40.85	-13.15	54	42.52	26.98	4.91	33.56	100	285	A	H
	*	2422	107.97	-	-	109.55	27.02	4.94	33.54	100	285	P	H
802.11ax	*	2422	99.98	-	-	101.56	27.02	4.94	33.54	100	285	A	H
HE40		2483.97	50.53	-23.47	74	51.97	27.08	4.99	33.51	100	285	P	H
Partial		2483.5	40.02	-13.98	54	41.46	27.08	4.99	33.51	100	285	A	H
242/61		2319.24	49.84	-24.16	74	51.77	26.89	4.78	33.6	400	291	P	V
CH 03		2389.94	39.18	-14.82	54	40.85	26.98	4.91	33.56	400	291	A	V
2422MHz	*	2422	103.69	-	-	105.27	27.02	4.94	33.54	400	291	P	V
	*	2422	96.36	-	-	97.94	27.02	4.94	33.54	400	291	A	V
		2484.25	50.46	-23.54	74	51.9	27.08	4.99	33.51	400	291	P	V
		2483.55	39.42	-14.58	54	40.86	27.08	4.99	33.51	400	291	A	V
		2369.22	50.24	-23.76	74	51.98	26.96	4.88	33.58	121	271	P	H
		2389.94	39.64	-14.36	54	41.31	26.98	4.91	33.56	121	271	A	H
	*	2452	107.33	-	-	108.86	27.04	4.96	33.53	121	271	P	H
802.11ax	*	2452	99.85	-	-	101.38	27.04	4.96	33.53	121	271	A	H
HE40		2484.95	54.68	-19.32	74	56.12	27.08	4.99	33.51	121	271	P	H
Partial		2484.25	40.67	-13.33	54	42.11	27.08	4.99	33.51	121	271	A	H
242/62		2377.76	50.06	-23.94	74	51.8	26.96	4.88	33.58	385	272	P	V
CH 09		2389.24	39.08	-14.92	54	40.77	26.98	4.91	33.58	385	272	A	V
2452MHz	*	2452	106.31	-	-	107.84	27.04	4.96	33.53	385	272	P	V
	*	2452	97.41	-	-	98.94	27.04	4.96	33.53	385	272	A	V
		2485.86	51.54	-22.46	74	52.98	27.08	4.99	33.51	385	272	P	V
		2483.5	40.67	-13.33	54	42.11	27.08	4.99	33.51	385	272	A	V

2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE40 Partial 242 (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 HE40 Partial 242/61 CH 03 2422MHz		4844	39.9	-34.1	74	59.35	30.9	7.14	57.49	129	172	P	H
		7266	45.82	-28.18	74	59.84	36.14	8.75	58.91	200	360	P	H
		4844	39.71	-34.29	74	59.16	30.9	7.14	57.49	189	176	P	V
		7266	46.36	-27.64	74	60.38	36.14	8.75	58.91	215	312	P	V
802.11ax HE40 Partial 242/62 CH 09 2452MHz		4904	39.48	-34.52	74	58.73	31.08	7.21	57.54	199	203	P	H
		7356	45.69	-28.31	74	59.33	36.43	8.87	58.94	112	72	P	H
		4904	39.95	-34.05	74	59.2	31.08	7.21	57.54	114	299	P	V
		7356	45.93	-28.07	74	59.57	36.43	8.87	58.94	196	153	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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)

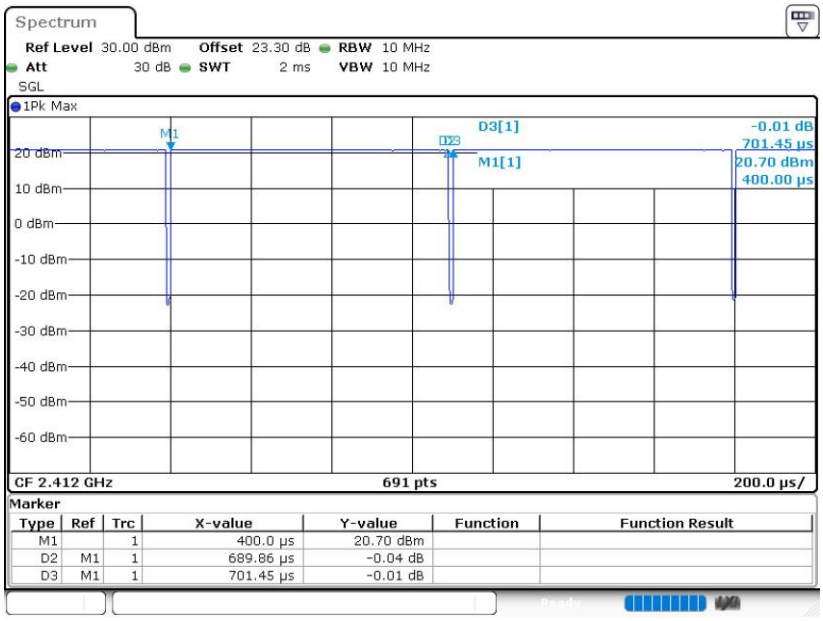
Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11b	98.35	-	-	10Hz
1+2	802.11g	99.11	-	-	10Hz
1+2	802.11n HT20	100	-	-	10Hz
1+2	802.11n HT40	100	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz

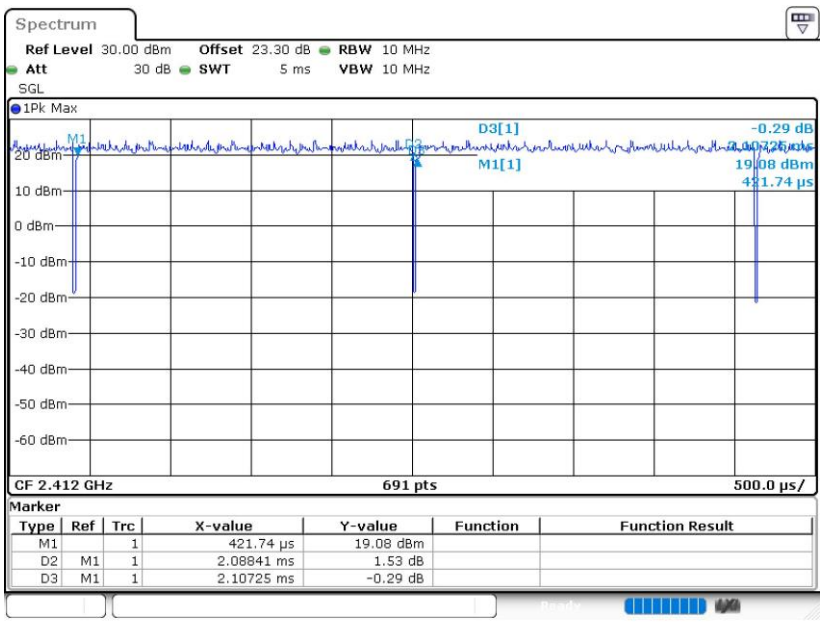
<MIMO Ant. 1+2>

802.11b



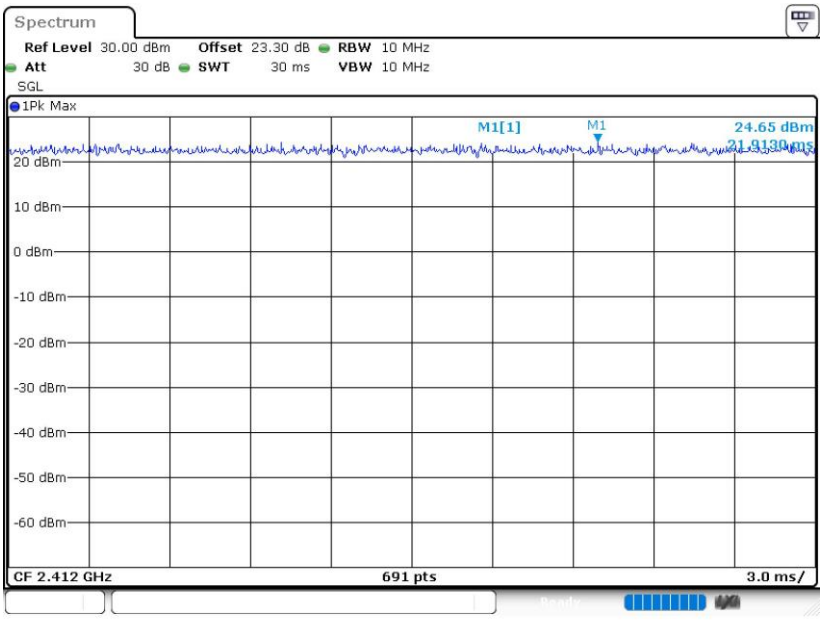
Date: 24.NOV.2020 21:12:40

802.11g



Date: 24.NOV.2020 21:19:54

802.11n HT20



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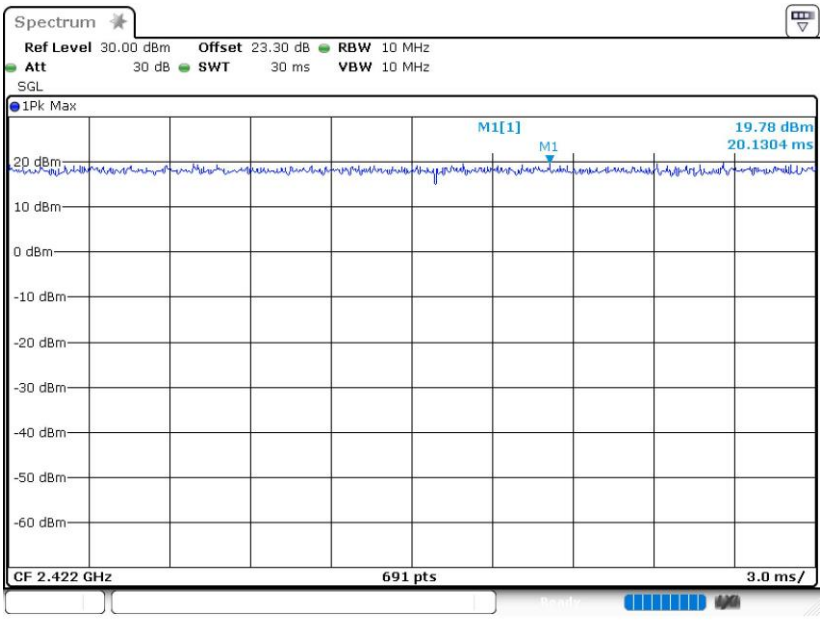
802.11n HT40



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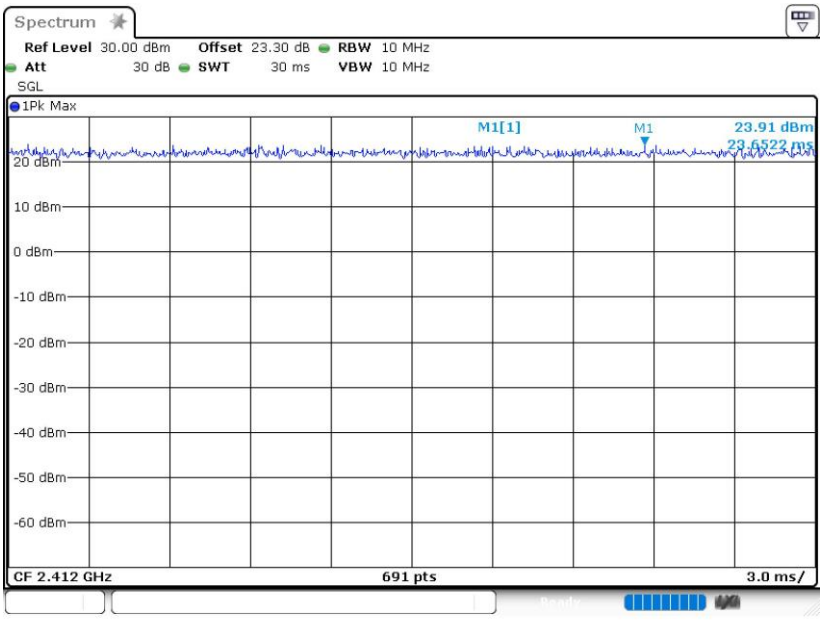
802.11ax HE20



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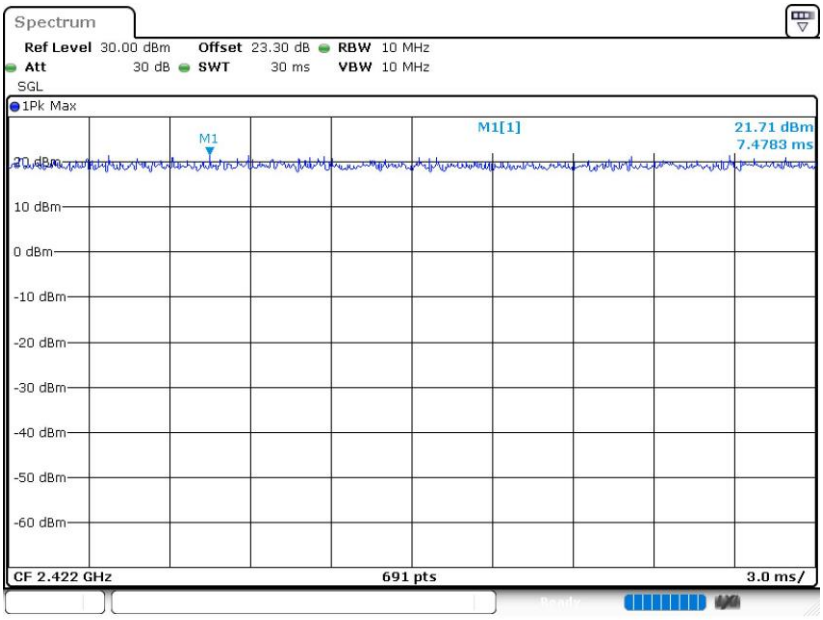
802.11ax HE40



Date: 24.NOV.2020 21:49:54