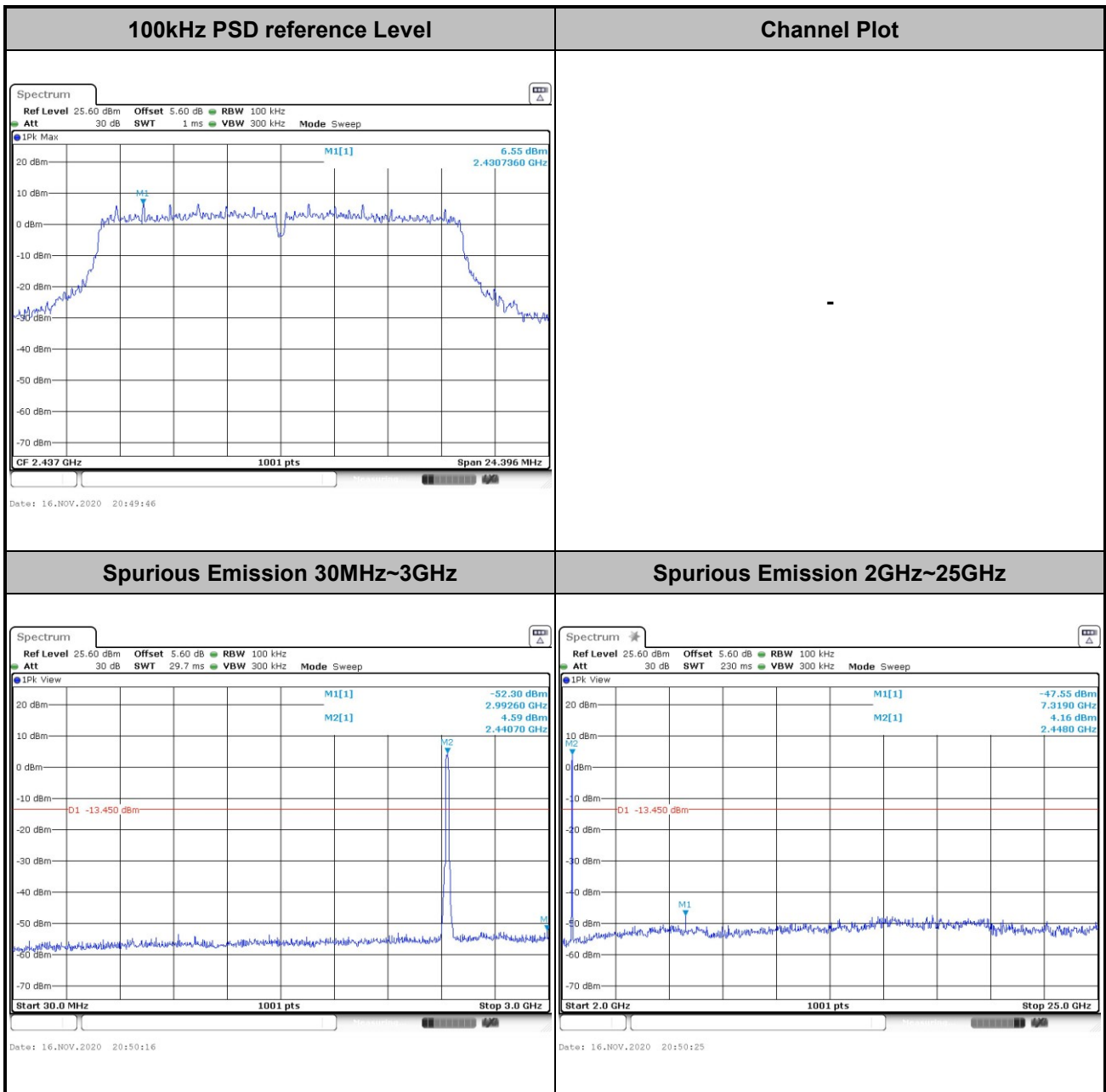


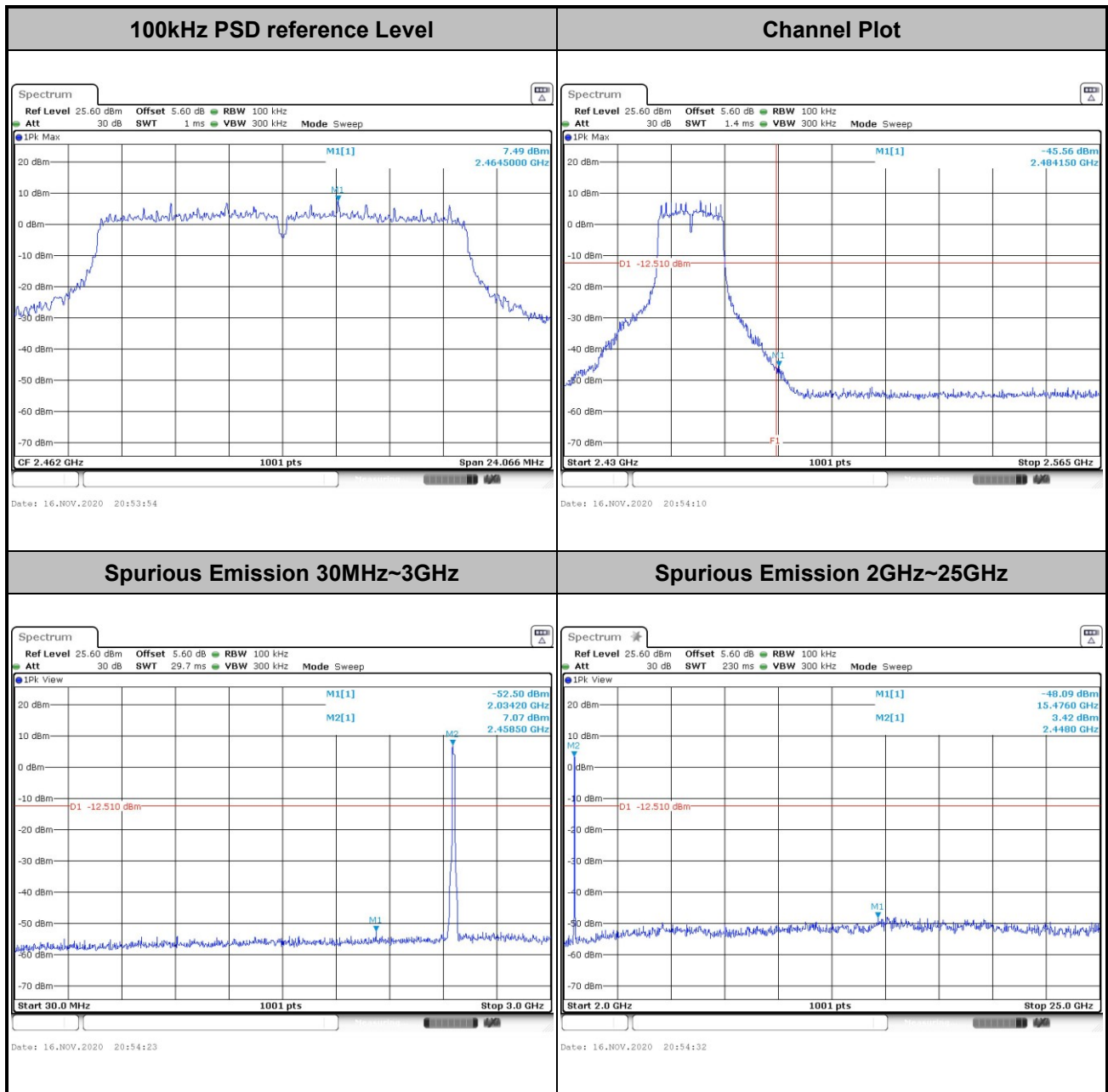


Test Mode :	802.11g	Test Channel :	06
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Test Mode :	802.11g	Test Channel :	11
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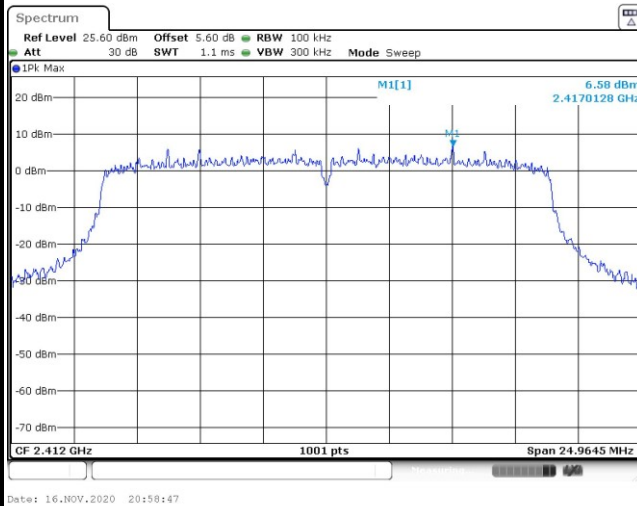




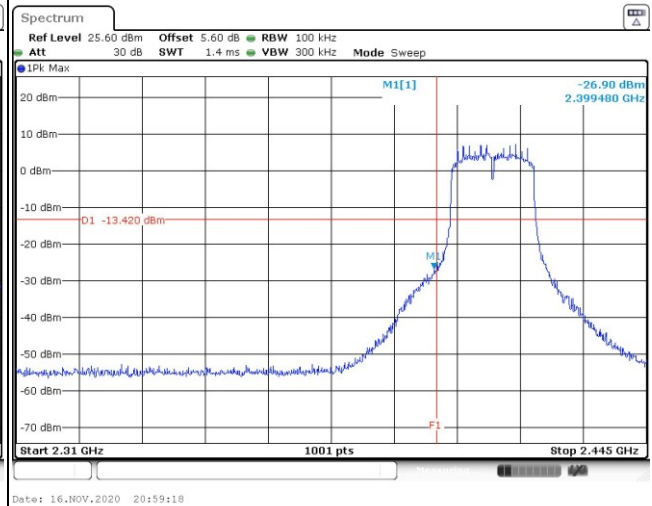
Test Mode : 802.11n HT20

Test Channel : 01

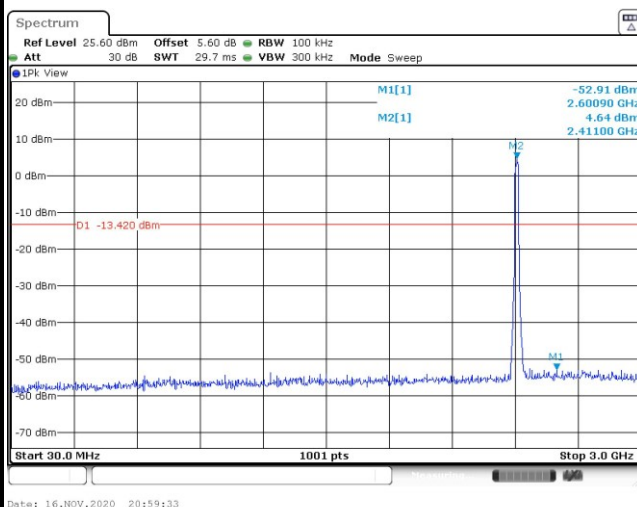
100kHz PSD reference Level



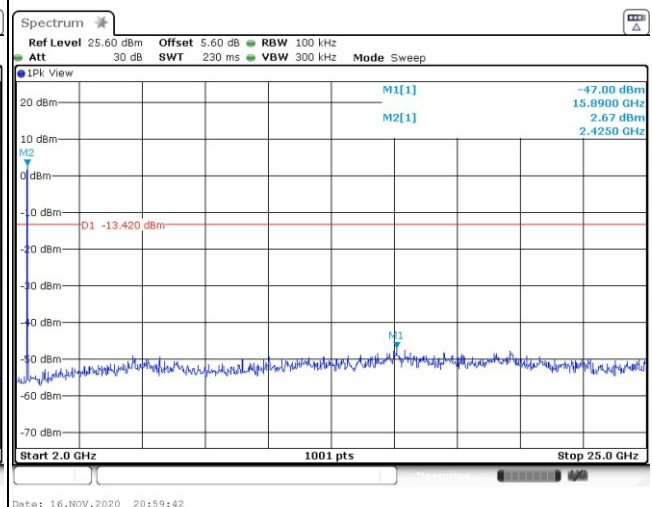
Channel Plot



Spurious Emission 30MHz~3GHz

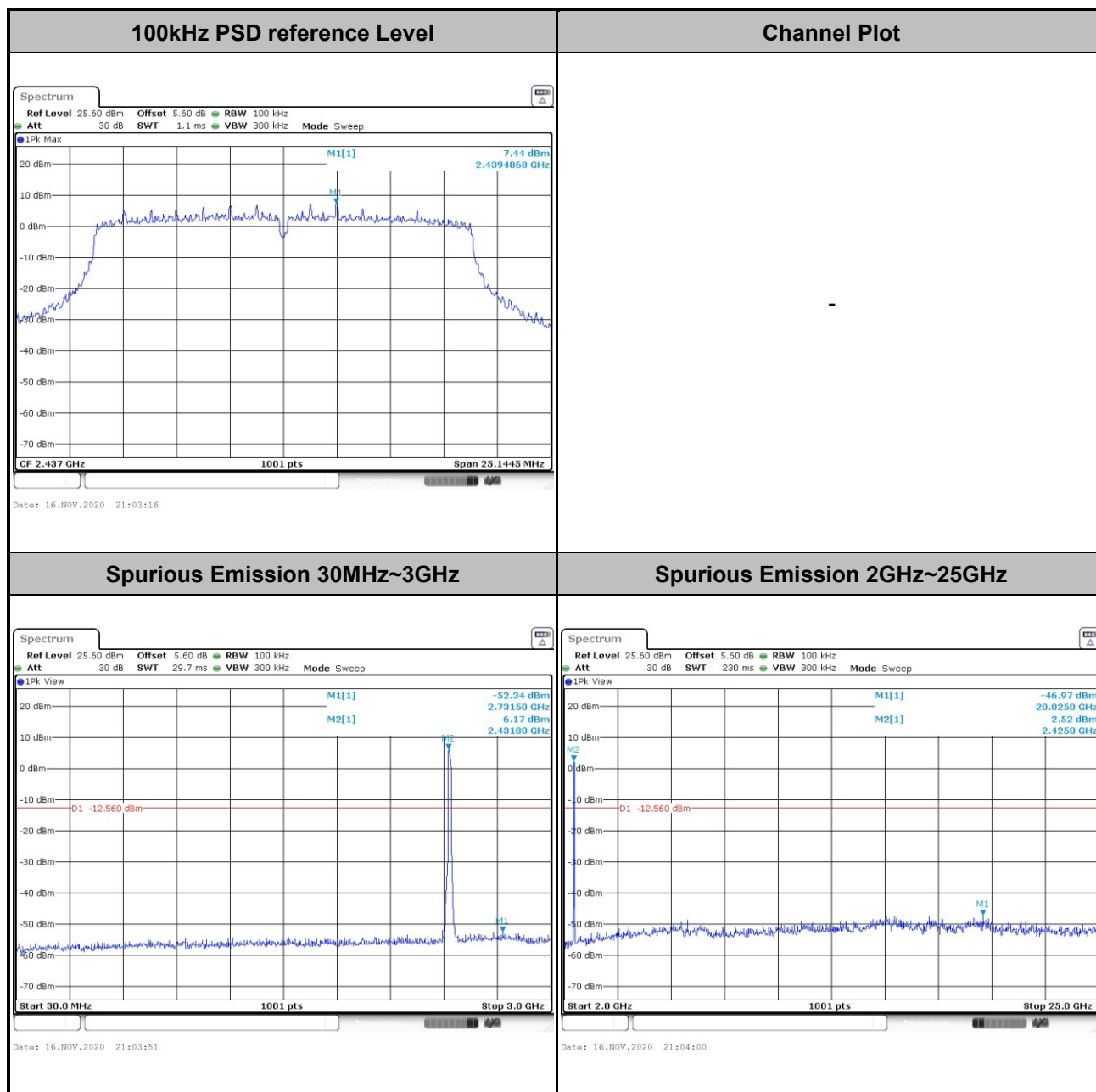


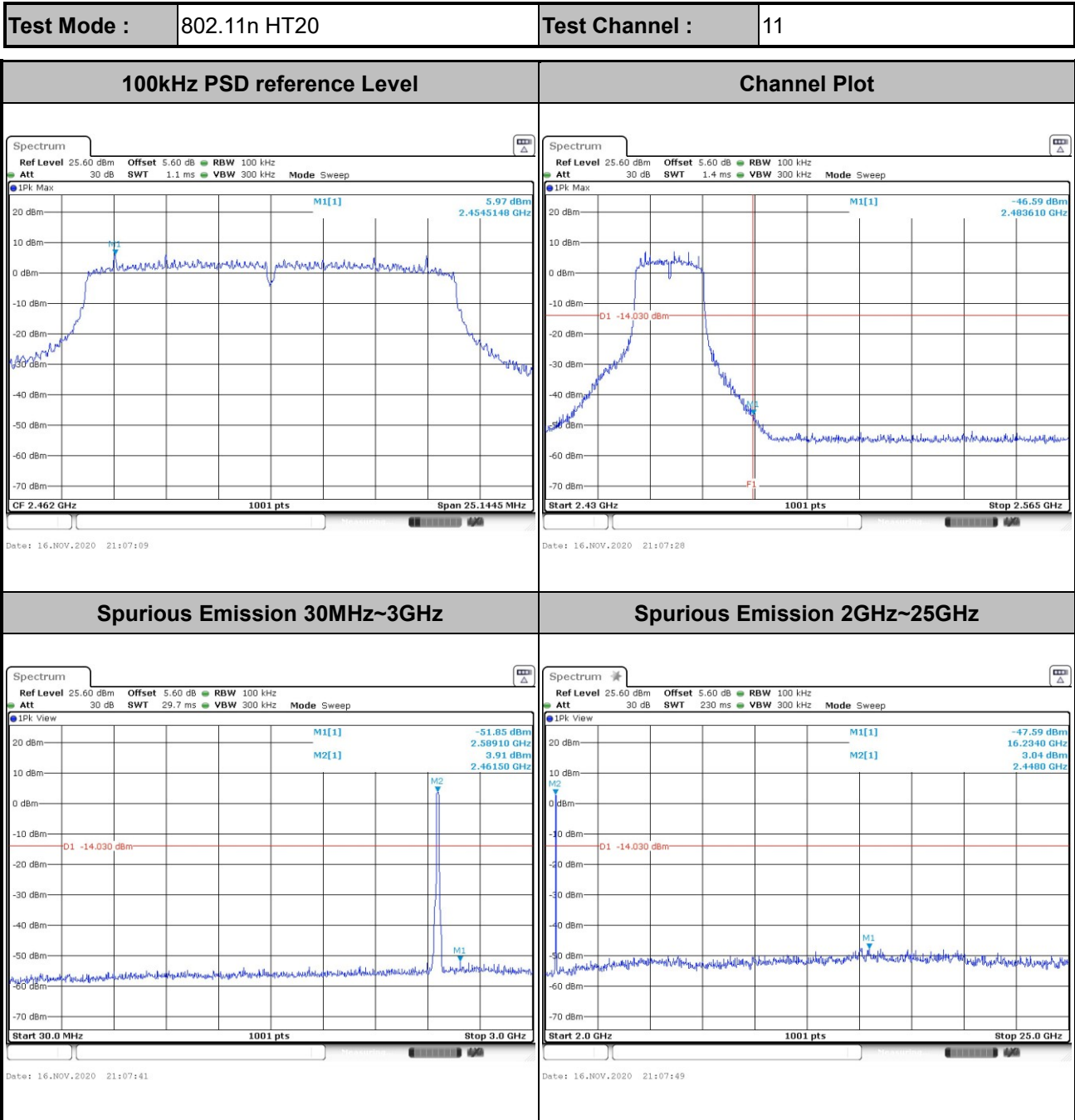
Spurious Emission 2GHz~25GHz





Test Mode :	802.11n HT20	Test Channel :	06
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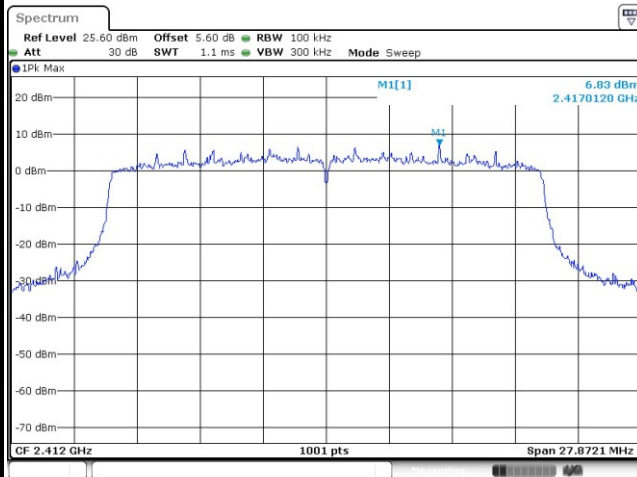




Test Mode : 802.11ax HE20

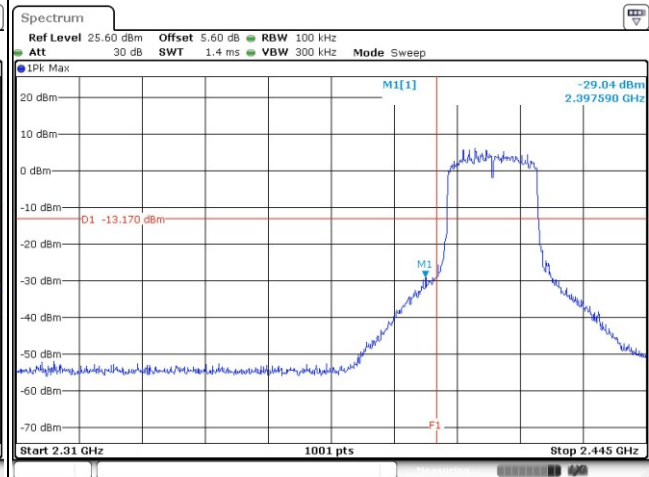
Test Channel : 01

100kHz PSD reference Level



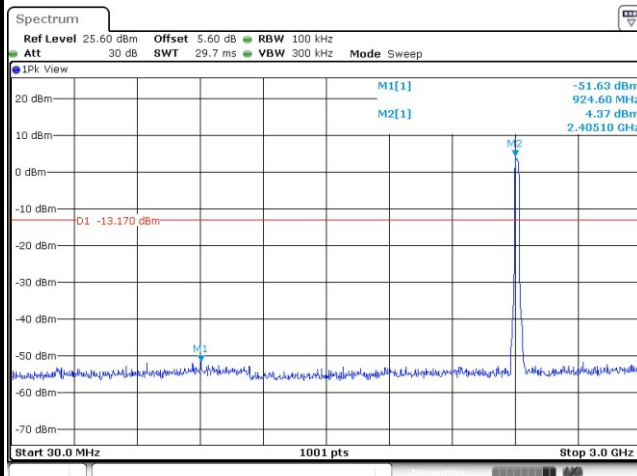
Date: 23.NOV.2020 13:13:20

Channel Plot



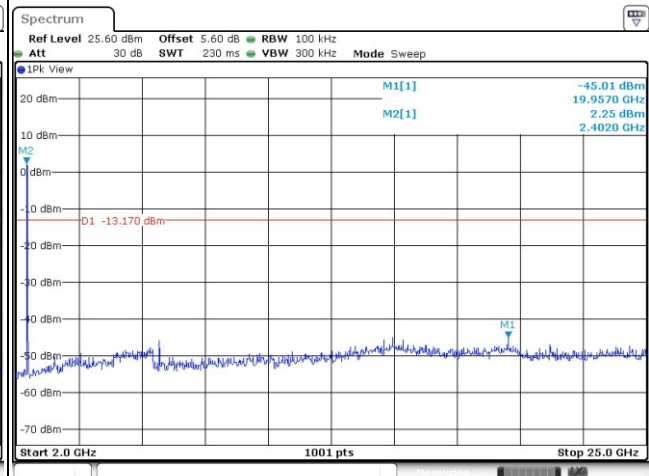
Date: 23.NOV.2020 13:13:42

Spurious Emission 30MHz~3GHz



Date: 23.NOV.2020 13:13:53

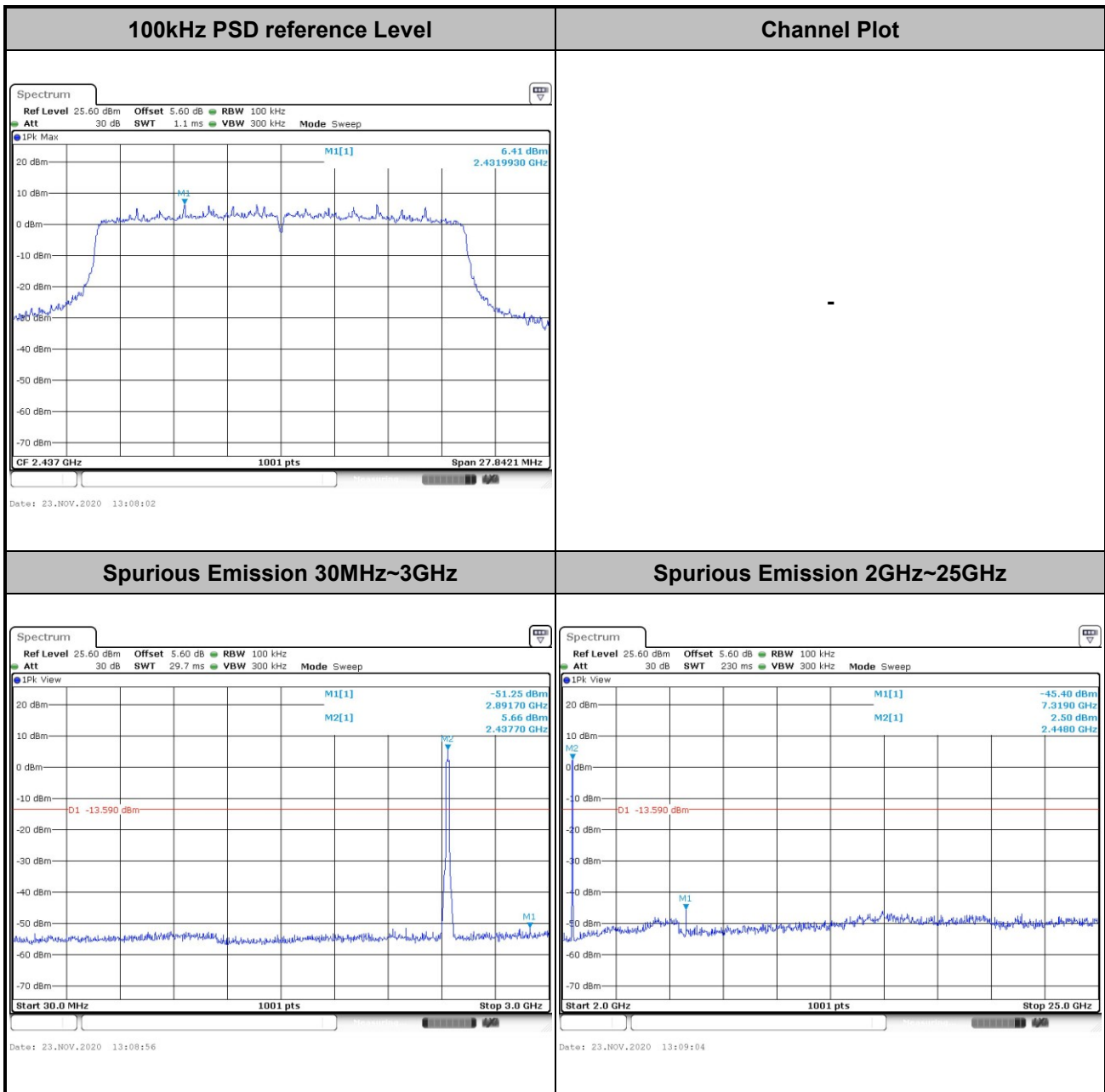
Spurious Emission 2GHz~25GHz



Date: 23.NOV.2020 13:14:01



Test Mode :	802.11ax HE20	Test Channel :	06
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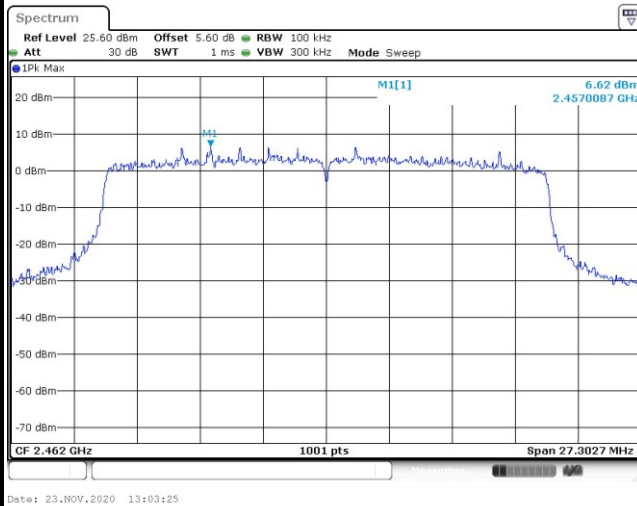




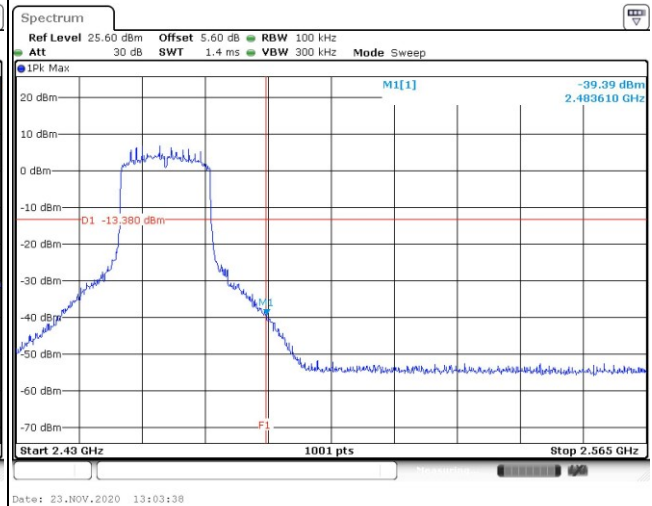
Test Mode : 802.11ax HE20

Test Channel : 09

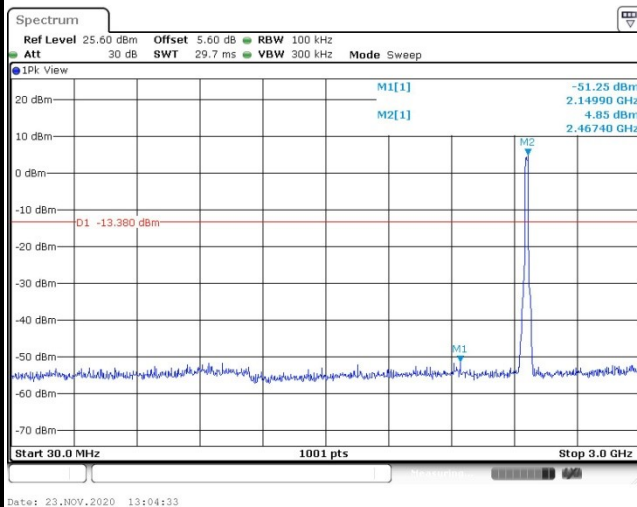
100kHz PSD reference Level



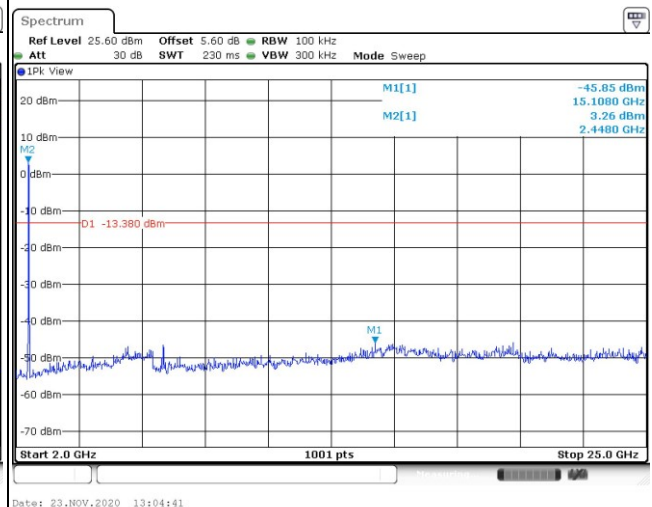
Channel Plot



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

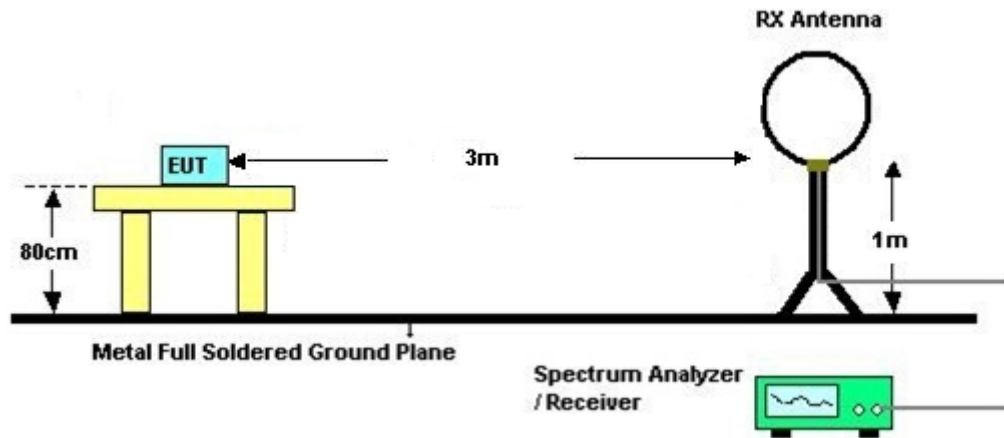
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

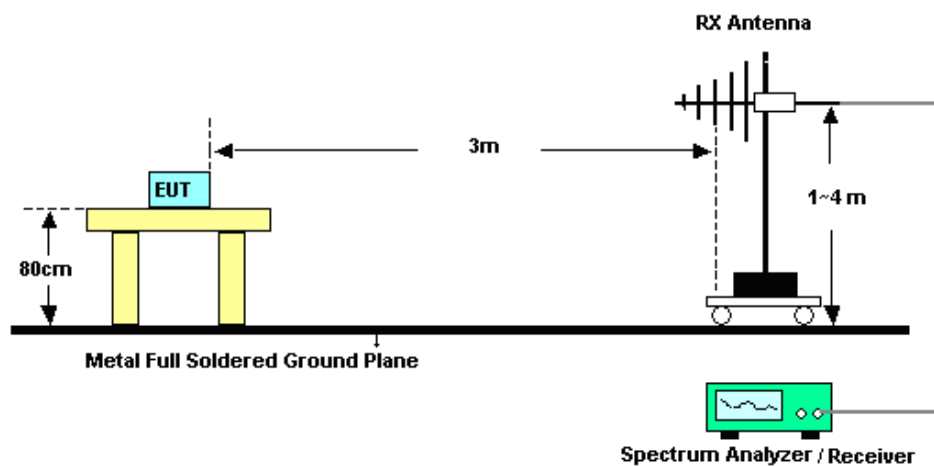
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better 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 $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.
For average measurement:
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, 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

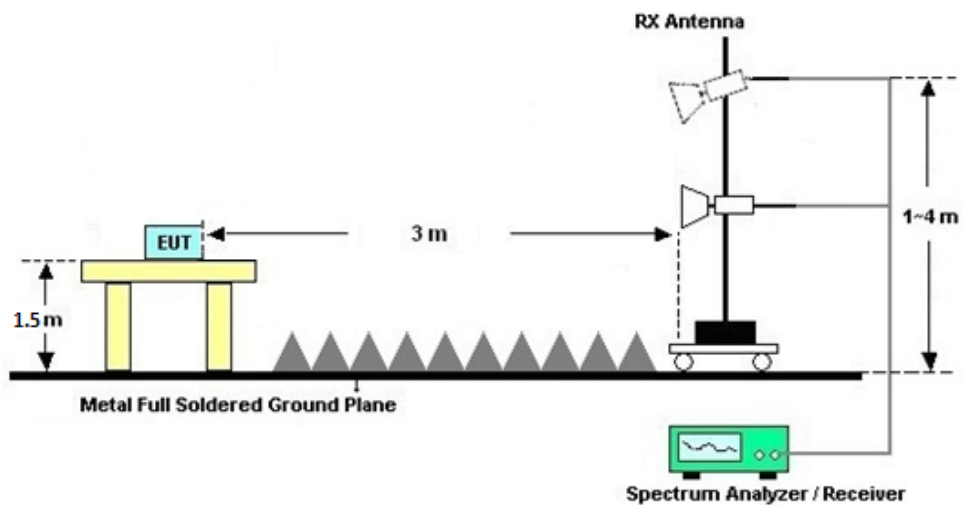
For radiated emissions below 30MHz



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 (dB μ V)	
	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.

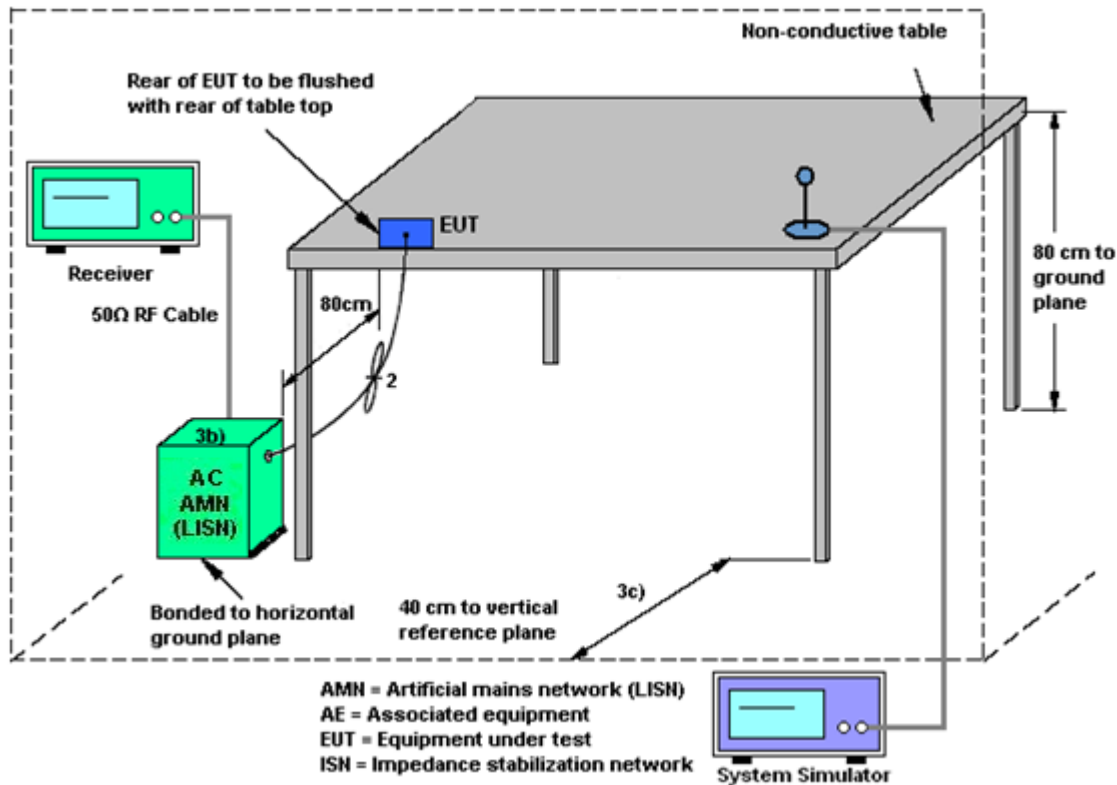
3.6.2 Measuring Instruments

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

FCC KDB 662911 D01 Multiple Transmitter Output 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>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
2.4 GHz	-4.60	-6.30	-4.60	-4.60	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	101040	10Hz~40GHz	Nov. 02, 2020	Nov. 16, 2020~ Nov. 25, 2020	Nov. 01, 2021	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 13, 2020	Nov. 16, 2020~ Nov. 25, 2020	Jan. 12, 2021	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 13, 2020	Nov. 16, 2020~ Nov. 25, 2020	Jan. 12, 2021	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 17, 2020	Nov. 22, 2020~ Dec. 08, 2020	Oct. 16, 2021	Radiation (03CH06-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz	Apr. 14, 2020	Nov. 22, 2020~ Dec. 08, 2020	Apr. 13, 2021	Radiation (03CH06-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 01, 2020	Nov. 22, 2020~ Dec. 08, 2020	Oct. 31, 2021	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	49921	30MHz~1GHz	May 29, 2020	Nov. 22, 2020~ Dec. 08, 2020	May 28, 2021	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 27, 2020	Nov. 22, 2020~ Dec. 08, 2020	Apr. 26, 2021	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 09, 2020	Nov. 22, 2020~ Dec. 08, 2020	Nov. 08, 2021	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Apr. 14, 2020	Nov. 22, 2020~ Dec. 08, 2020	Apr. 13, 2021	Radiation (03CH06-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 08, 2020	Nov. 22, 2020~ Dec. 08, 2020	Jan. 07, 2021	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-0010 1800-30-10P	2025788	1Ghz-18Ghz	Jan. 03, 2020	Nov. 22, 2020~ Dec. 08, 2020	Jan. 02, 2021	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Apr. 15, 2020	Nov. 22, 2020~ Dec. 08, 2020	Apr. 14, 2021	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Nov. 22, 2020~ Dec. 08, 2020	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Nov. 22, 2020~ Dec. 08, 2020	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Nov. 22, 2020~ Dec. 08, 2020	NCR	Radiation (03CH06-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 14, 2020	Nov. 12, 2020	Apr. 13, 2021	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	Nov. 12, 2020	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Oct. 27, 2020	Nov. 12, 2020	Oct. 26, 2021	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	Nov. 12, 2020	Oct. 16, 2021	Conduction (CO01-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
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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



Appendix A. Conducted Test Results

Report Number : FR0N0201C

Test Engineer:	Rise liu	Temperature:	0-40	°C
Test Date:	2020/11/16~2020/11/25	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	N _{Tx}	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	2	1	2412	13.44	13.34	8.07	8.05	0.50	Pass
11b	1Mbps	2	6	2437	13.39	13.54	7.09	8.07	0.50	Pass
11b	1Mbps	2	11	2462	13.34	13.39	7.09	8.07	0.50	Pass
11g	6Mbps	2	1	2412	16.93	16.93	16.28	16.02	0.50	Pass
11g	6Mbps	2	6	2437	16.88	16.88	16.26	16.26	0.50	Pass
11g	6Mbps	2	11	2462	16.93	16.83	16.02	16.04	0.50	Pass
HT20	MCS0	2	1	2412	17.93	17.93	16.92	16.64	0.50	Pass
HT20	MCS0	2	6	2437	17.93	17.93	16.78	16.76	0.50	Pass
HT20	MCS0	2	11	2462	17.98	17.93	17.12	16.76	0.50	Pass
AX20	MCS0	2	1	2412	19.23	19.33	18.46	18.58	0.50	Pass
AX20	MCS0	2	6	2437	19.23	19.33	18.34	18.56	0.50	Pass
AX20	MCS0	2	11	2462	19.23	19.28	18.36	18.20	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																
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
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	2	1	2412	20.45	20.66	23.57	30.00		-4.60		18.97		36.00		Pass
11b	1Mbps	2	6	2437	20.50	20.20	23.36	30.00		-4.60		18.76		36.00		Pass
11b	1Mbps	2	11	2462	20.56	20.52	23.55	30.00		-4.60		18.95		36.00		Pass
11g	6Mbps	2	1	2412	24.48	24.62	27.56	30.00		-4.60		22.96		36.00		Pass
11g	6Mbps	2	6	2437	24.44	24.10	27.28	30.00		-4.60		22.68		36.00		Pass
11g	6Mbps	2	11	2462	24.58	24.52	27.56	30.00		-4.60		22.96		36.00		Pass
HT20	MCS0	2	1	2412	24.46	24.61	27.55	30.00		-4.60		22.95		36.00		Pass
HT20	MCS0	2	6	2437	24.49	24.57	27.54	30.00		-4.60		22.94		36.00		Pass
HT20	MCS0	2	11	2462	24.58	24.55	27.58	30.00		-4.60		22.98		36.00		Pass
AX20	MCS0	2	1	2412	24.60	24.96	27.79	30.00		-4.60		23.19		36.00		Pass
AX20	MCS0	2	6	2437	24.61	24.76	27.70	30.00		-4.60		23.10		36.00		Pass
AX20	MCS0	2	11	2462	24.59	24.70	27.66	30.00		-4.60		23.06		36.00		Pass
AX20-RU26	MCS0	2	1	2412	20.76	20.60	23.69	30.00		-4.60		19.09		36.00		Pass
AX20-RU26	MCS0	2	11	2462	20.88	20.87	23.89	30.00		-4.60		19.29		36.00		Pass
AX20-RU52	MCS0	2	1	2412	20.39	21.23	23.84	30.00		-4.60		19.24		36.00		Pass
AX20-RU52	MCS0	2	11	2462	21.61	21.63	24.63	30.00		-4.60		20.03		36.00		Pass
AX20-RU106	MCS0	2	1	2412	22.84	22.32	25.60	30.00		-4.60		21.00		36.00		Pass
AX20-RU106	MCS0	2	11	2462	22.05	22.03	25.05	30.00		-4.60		20.45		36.00		Pass

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
11b	1Mbps	2	1	2412	0.07	0.07	17.84	18.20	21.04
11b	1Mbps	2	6	2437	0.07	0.07	17.89	17.69	20.81
11b	1Mbps	2	11	2462	0.07	0.07	17.90	17.99	20.96
11g	6Mbps	2	1	2412	0.05	0.05	17.66	18.09	20.89
11g	6Mbps	2	6	2437	0.05	0.05	17.83	17.71	20.78
11g	6Mbps	2	11	2462	0.05	0.05	17.79	17.83	20.82
HT20	MCS0	2	1	2412	0.00	0.00	17.82	17.96	20.90
HT20	MCS0	2	6	2437	0.00	0.00	17.70	17.47	20.60
HT20	MCS0	2	11	2462	0.00	0.00	17.73	17.69	20.72
AX20	MCS0	2	1	2412	0.00	0.00	17.66	18.01	20.85
AX20	MCS0	2	6	2437	0.00	0.00	17.71	17.81	20.77
AX20	MCS0	2	11	2462	0.00	0.00	17.79	17.76	20.79
AX20-RU26	MCS0	2	1	2412	0.00	0.00	9.16	9.04	12.11
AX20-RU26	MCS0	2	11	2462	0.00	0.00	9.21	9.58	12.41
AX20-RU52	MCS0	2	1	2412	0.00	0.00	9.82	10.16	13.00
AX20-RU52	MCS0	2	11	2462	0.00	0.00	10.13	10.60	13.38
AX20-RU106	MCS0	2	1	2412	0.00	0.00	13.32	13.43	16.39
AX20-RU106	MCS0	2	11	2462	0.00	0.00	13.24	13.69	16.48

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

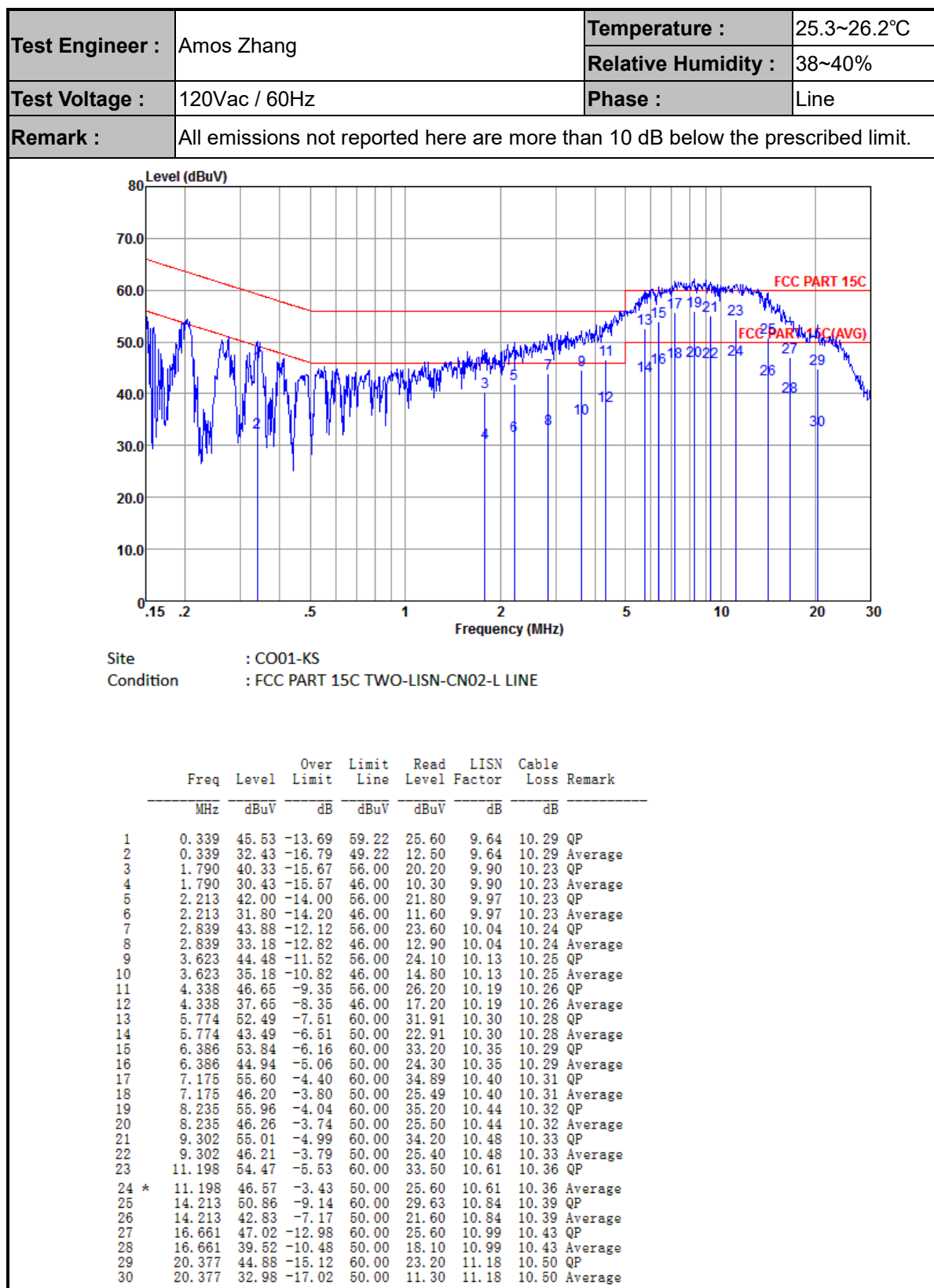
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	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	2	1	2412	-5.02	-6.20	-2.01	-4.60		8.00		Pass
11b	1Mbps	2	6	2437	-5.51	-5.55	-2.50	-4.60		8.00		Pass
11b	1Mbps	2	11	2462	-5.90	-6.27	-2.89	-4.60		8.00		Pass
11g	6Mbps	2	1	2412	-8.19	-6.97	-3.96	-4.60		8.00		Pass
11g	6Mbps	2	6	2437	-8.09	-8.27	-5.08	-4.60		8.00		Pass
11g	6Mbps	2	11	2462	-7.73	-6.74	-3.73	-4.60		8.00		Pass
HT20	MCS0	2	1	2412	-7.32	-6.44	-3.43	-4.60		8.00		Pass
HT20	MCS0	2	6	2437	-6.81	-5.80	-2.79	-4.60		8.00		Pass
HT20	MCS0	2	11	2462	-5.67	-5.92	-2.66	-4.60		8.00		Pass
AX20	MCS0	2	1	2412	-8.89	-8.73	-5.72	-4.60		8.00		Pass
AX20	MCS0	2	6	2437	-8.37	-8.75	-5.36	-4.60		8.00		Pass
AX20	MCS0	2	11	2462	-7.99	-8.60	-4.98	-4.60		8.00		Pass
AX20-RU26	MCS0	2	1	2412	-8.88	-8.83	-5.82	-4.60		8.00		Pass
AX20-RU26	MCS0	2	11	2462	-8.62	-8.25	-5.24	-4.60		8.00		Pass
AX20-RU52	MCS0	2	1	2412	-9.59	-9.37	-6.36	-4.60		8.00		Pass
AX20-RU52	MCS0	2	11	2462	-8.58	-8.94	-5.57	-4.60		8.00		Pass
AX20-RU106	MCS0	2	1	2412	-9.30	-8.83	-5.82	-4.60		8.00		Pass
AX20-RU106	MCS0	2	11	2462	-8.74	-8.24	-5.23	-4.60		8.00		Pass

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

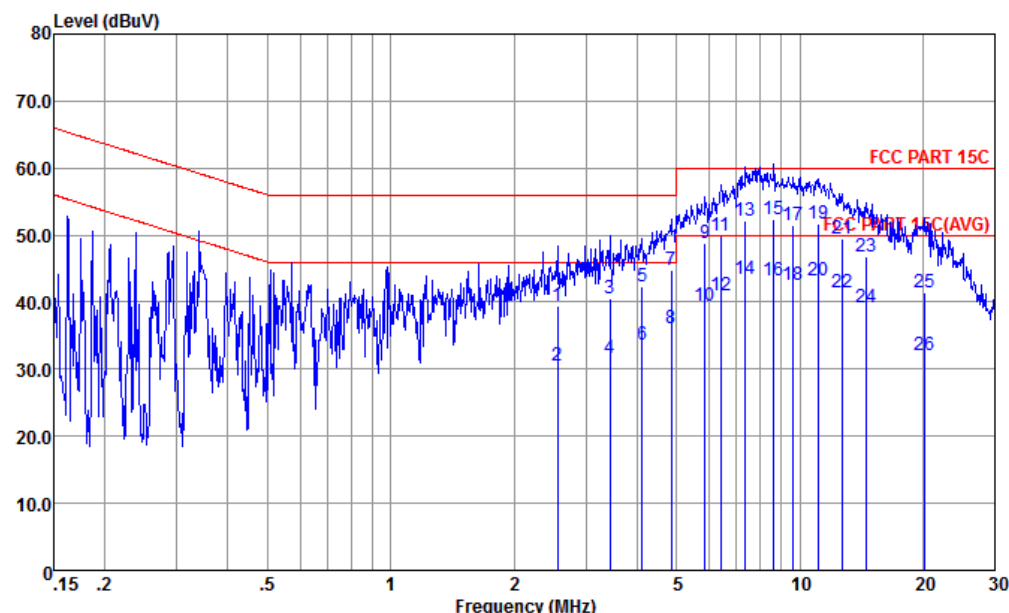


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



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

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	2.554	39.45	-16.55	56.00	19.20	10.01	10.24	QP
2	2.554	30.55	-15.45	46.00	10.30	10.01	10.24	Average
3	3.436	40.67	-15.33	56.00	20.30	10.12	10.25	QP
4	3.436	31.67	-14.33	46.00	11.30	10.12	10.25	Average
5	4.114	42.24	-13.76	56.00	21.81	10.18	10.25	QP
6	4.114	33.74	-12.26	46.00	13.31	10.18	10.25	Average
7	4.848	44.71	-11.29	56.00	24.20	10.24	10.27	QP
8	4.848	36.01	-9.99	46.00	15.50	10.24	10.27	Average
9	5.867	48.82	-11.18	60.00	28.21	10.33	10.28	QP
10	5.867	39.52	-10.48	50.00	18.91	10.33	10.28	Average
11	6.420	49.87	-10.13	60.00	29.21	10.37	10.29	QP
12	6.420	40.97	-9.03	50.00	20.31	10.37	10.29	Average
13	7.368	52.04	-7.96	60.00	31.29	10.44	10.31	QP
14 *	7.368	43.34	-6.66	50.00	22.59	10.44	10.31	Average
15	8.637	52.32	-7.68	60.00	31.49	10.50	10.33	QP
16	8.637	43.12	-6.88	50.00	22.29	10.50	10.33	Average
17	9.654	51.47	-8.53	60.00	30.59	10.54	10.34	QP
18	9.654	42.47	-7.53	50.00	21.59	10.54	10.34	Average
19	11.139	51.64	-8.36	60.00	30.60	10.68	10.36	QP
20	11.139	43.34	-6.66	50.00	22.30	10.68	10.36	Average
21	12.716	49.42	-10.58	60.00	28.21	10.84	10.37	QP
22	12.716	41.52	-8.48	50.00	20.31	10.84	10.37	Average
23	14.594	46.91	-13.09	60.00	25.51	11.01	10.39	QP
24	14.594	39.21	-10.79	50.00	17.81	11.01	10.39	Average
25	20.270	41.55	-18.45	60.00	19.60	11.45	10.50	QP
26	20.270	32.15	-17.85	50.00	10.20	11.45	10.50	Average

Note:

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



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	Cable 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		2376.69	53.97	-20.03	74	48.47	32.1	7.4	34	300	351	P	H
		2389.95	42.92	-11.08	54	37.28	32.2	7.43	33.99	300	351	A	H
	*	2414	106.37	-	-	100.73	32.16	7.46	33.98	300	351	P	H
	*	2414	103.3	-	-	97.66	32.16	7.46	33.98	300	351	A	H
		2377.99	54.38	-19.62	74	48.88	32.1	7.4	34	301	333	P	V
		2389.3	42.91	-11.09	54	37.27	32.2	7.43	33.99	301	333	A	V
	*	2412	104.63	-	-	98.99	32.16	7.46	33.98	301	333	P	V
	*	2412	101.42	-	-	95.78	32.16	7.46	33.98	301	333	A	V
802.11b CH 11 2462MHz		2491	54.66	-19.34	74	49.06	31.94	7.59	33.93	261	360	P	H
		2483.5	43	-11	54	37.39	31.99	7.56	33.94	261	360	A	H
	*	2462	106.87	-	-	101.25	32.03	7.54	33.95	261	360	P	H
	*	2464	103.29	-	-	97.67	32.03	7.54	33.95	261	360	A	H
		2483.98	54.04	-19.96	74	48.43	31.99	7.56	33.94	238	263	P	V
		2483.98	42.96	-11.04	54	37.35	31.99	7.56	33.94	238	263	A	V
	*	2462	107.68	-	-	102.06	32.03	7.54	33.95	238	263	P	V
	*	2464	104.31	-	-	98.69	32.03	7.54	33.95	238	263	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	43.71	-30.29	74	60.36	35.16	10.67	62.48	300	0	P	H
		4824	46.69	-27.31	74	63.34	35.16	10.67	62.48	300	360	P	V
802.11b CH 06 2437MHz		4872	44.36	-29.64	74	60.64	35.17	10.75	62.2	300	0	P	H
		7308	55.69	-18.31	74	67.61	36.86	13.33	62.11	270	355	P	H
		7308	49.31	-4.69	54	61.23	36.86	13.33	62.11	270	355	A	H
		4872	45.4	-28.6	74	61.68	35.17	10.75	62.2	300	360	P	V
		7308	46.05	-27.95	74	57.97	36.86	13.33	62.11	300	360	P	V
802.11b CH 11 2462MHz		4926	46.11	-27.89	74	62.18	35.18	10.82	62.07	300	0	P	H
		7386	55.88	-18.12	74	67.85	36.88	13.41	62.26	278	358	P	H
		7386	49.27	-4.73	54	61.24	36.88	13.41	62.26	278	358	A	H
		4926	47.54	-26.46	74	63.61	35.18	10.82	62.07	300	360	P	V
		7386	46.28	-27.72	74	58.25	36.88	13.41	62.26	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 802.11g (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.95	58.82	-15.18	74	53.18	32.2	7.43	33.99	120	0	P	H
		2389.95	46.2	-7.8	54	40.56	32.2	7.43	33.99	120	0	A	H
	*	2416	106.82	-	-	101.18	32.16	7.46	33.98	120	0	P	H
	*	2414	97.7	-	-	92.06	32.16	7.46	33.98	120	0	A	H
		2389.95	56.76	-17.24	74	51.12	32.2	7.43	33.99	280	360	P	V
		2389.95	45.66	-8.34	54	40.02	32.2	7.43	33.99	280	360	A	V
	*	2416	105.88	-	-	100.24	32.16	7.46	33.98	280	360	P	V
	*	2410	98.13	-	-	92.49	32.16	7.46	33.98	280	360	A	V
802.11g CH 11 2462MHz		2484.22	55.56	-18.44	74	49.95	31.99	7.56	33.94	106	354	P	H
		2483.74	44.46	-9.54	54	38.85	31.99	7.56	33.94	106	354	A	H
	*	2466	107.07	-	-	101.45	32.03	7.54	33.95	106	354	P	H
	*	2464	99.22	-	-	93.6	32.03	7.54	33.95	106	354	A	H
		2491.54	54.03	-19.97	74	48.43	31.94	7.59	33.93	239	360	P	V
		2484.1	43.31	-10.69	54	37.7	31.99	7.56	33.94	239	360	A	V
	*	2460	104.62	-	-	99	32.03	7.54	33.95	239	360	P	V
	*	2460	96.68	-	-	91.06	32.03	7.54	33.95	239	360	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	41.91	-32.09	74	58.56	35.16	10.67	62.48	300	0	P	H
		4824	42.31	-31.69	74	58.96	35.16	10.67	62.48	300	360	P	V
802.11g CH 06 2437MHz		4872	43.28	-30.72	74	59.56	35.17	10.75	62.2	300	0	P	H
		7308	44.15	-29.85	74	56.07	36.86	13.33	62.11	300	0	P	H
		4872	42.28	-31.72	74	58.56	35.17	10.75	62.2	300	360	P	V
		7308	43.29	-30.71	74	55.21	36.86	13.33	62.11	300	360	P	V
802.11g CH 11 2462MHz		4926	43.32	-30.68	74	59.39	35.18	10.82	62.07	300	0	P	H
		7386	43.61	-30.39	74	55.58	36.88	13.41	62.26	300	0	P	H
		4926	43.01	-30.99	74	59.08	35.18	10.82	62.07	300	360	P	V
		7386	44.37	-29.63	74	56.34	36.88	13.41	62.26	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2389.82	56.83	-17.17	74	51.19	32.2	7.43	33.99	140	338	P	H
		2389.95	45.64	-8.36	54	40	32.2	7.43	33.99	140	338	A	H
	*	2408	107.65	-	-	102.01	32.16	7.46	33.98	140	338	P	H
	*	2408	98.49	-	-	92.85	32.16	7.46	33.98	140	338	A	H
		2389.3	56.59	-17.41	74	50.95	32.2	7.43	33.99	280	9	P	V
		2389.95	45.67	-8.33	54	40.03	32.2	7.43	33.99	280	9	A	V
	*	2410	106.05	-	-	100.41	32.16	7.46	33.98	280	9	P	V
	*	2410	98.14	-	-	92.5	32.16	7.46	33.98	280	9	A	V
802.11n HT20 CH 11 2462MHz		2483.56	54.68	-19.32	74	49.07	31.99	7.56	33.94	100	353	P	H
		2483.56	43.9	-10.1	54	38.29	31.99	7.56	33.94	100	353	A	H
	*	2458	106.93	-	-	101.31	32.03	7.54	33.95	100	353	P	H
	*	2458	99.26	-	-	93.64	32.03	7.54	33.95	100	353	A	H
		2495.62	54.53	-19.47	74	48.93	31.94	7.59	33.93	241	360	P	V
		2483.5	42.93	-11.07	54	37.32	31.99	7.56	33.94	241	360	A	V
	*	2458	104.84	-	-	99.22	32.03	7.54	33.95	241	360	P	V
	*	2458	96.39	-	-	90.77	32.03	7.54	33.95	241	360	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)	Cable 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	40.81	-33.19	74	57.46	35.16	10.67	62.48	300	0	P	H
		4824	43.62	-30.38	74	60.27	35.16	10.67	62.48	300	360	P	V
802.11n HT20 CH 06 2437MHz		4872	42.37	-31.63	74	58.65	35.17	10.75	62.2	300	0	P	H
		7308	44.63	-29.37	74	56.55	36.86	13.33	62.11	300	0	P	H
		4872	43.24	-30.76	74	59.52	35.17	10.75	62.2	300	360	P	V
		7308	44.85	-29.15	74	56.77	36.86	13.33	62.11	300	360	P	V
802.11n HT20 CH 11 2462MHz		4926	42.47	-31.53	74	58.54	35.18	10.82	62.07	300	0	P	H
		7386	44.64	-29.36	74	56.61	36.88	13.41	62.26	300	0	P	H
		4926	42.56	-31.44	74	58.63	35.18	10.82	62.07	300	360	P	V
		7386	43.03	-30.97	74	55	36.88	13.41	62.26	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 802.11ax20 (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 CH 01 2412MHz		2388.39	59.76	-14.24	74	54.12	32.2	7.43	33.99	121	340	P	H
		2389.82	47.05	-6.95	54	41.41	32.2	7.43	33.99	121	340	A	H
	*	2408	110.91	-	-	105.27	32.16	7.46	33.98	121	340	P	H
	*	2416	100.46	-	-	94.82	32.16	7.46	33.98	121	340	A	H
		2389.43	58.51	-15.49	74	52.87	32.2	7.43	33.99	280	6	P	V
		2389.95	46.68	-7.32	54	41.04	32.2	7.43	33.99	280	6	A	V
	*	2410	108.36	-	-	102.72	32.16	7.46	33.98	280	6	P	V
	*	2410	98.04	-	-	92.4	32.16	7.46	33.98	280	6	A	V
802.11 ax20 CH 11 2462MHz		2484.7	55.91	-18.09	74	50.3	31.99	7.56	33.94	100	354	P	H
		2483.5	44.79	-9.21	54	39.18	31.99	7.56	33.94	100	354	A	H
	*	2456	109.37	-	-	103.75	32.03	7.54	33.95	100	354	P	H
	*	2458	98.32	-	-	92.7	32.03	7.54	33.95	100	354	A	H
		2497.06	54.28	-19.72	74	48.68	31.94	7.59	33.93	239	2	P	V
		2483.5	43.34	-10.66	54	37.73	31.99	7.56	33.94	239	2	A	V
	*	2460	106.13	-	-	100.51	32.03	7.54	33.95	239	2	P	V
	*	2458	96.94	-	-	91.32	32.03	7.54	33.95	239	2	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 802.11ax20 (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 CH 01 2412MHz		4824	41.55	-32.45	74	58.2	35.16	10.67	62.48	300	0	P	H
		4824	43.64	-30.36	74	60.29	35.16	10.67	62.48	300	360	P	V
802.11 ax20 CH 06 2437MHz		4872	42.07	-31.93	74	58.35	35.17	10.75	62.2	300	0	P	H
		7308	47.5	-26.5	74	59.42	36.86	13.33	62.11	300	0	P	H
		4872	42.67	-31.33	74	58.95	35.17	10.75	62.2	300	360	P	V
		7308	43.3	-30.7	74	55.22	36.86	13.33	62.11	300	360	P	V
802.11 ax20 CH 11 2462MHz		4926	43.66	-30.34	74	59.73	35.18	10.82	62.07	300	0	P	H
		7386	43.61	-30.39	74	55.58	36.88	13.41	62.26	300	0	P	H
		4926	43.35	-30.65	74	59.42	35.18	10.82	62.07	300	360	P	V
		7386	42.71	-31.29	74	54.68	36.88	13.41	62.26	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 802.11ax20 RU26 (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 RU26 Left CH 01 2412MHz		2388.52	56.05	-17.95	74	48	32.2	7.5	31.65	100	134	P	H
		2389.04	44.88	-9.12	54	36.83	32.2	7.5	31.65	100	134	A	H
	*	2404	111.64	-	-	103.58	32.18	7.53	31.65	100	134	P	H
	*	2404	102.22	-	-	94.16	32.18	7.53	31.65	100	134	A	H
		2314.68	56.49	-17.51	74	48.84	31.97	7.36	31.68	123	68	P	V
		2389.82	45.27	-8.73	54	37.22	32.2	7.5	31.65	123	68	A	V
	*	2404	110.72	-	-	102.66	32.18	7.53	31.65	123	68	P	V
	*	2404	101.57	-	-	93.51	32.18	7.53	31.65	123	68	A	V
802.11 ax20 RU26 Right CH 11 2462MHz		2494.24	56.39	-17.61	74	48.18	32.1	7.67	31.56	123	125	P	H
		2485.72	45.2	-8.8	54	37.02	32.12	7.64	31.58	123	125	A	H
	*	2472	112.35	-	-	104.19	32.12	7.64	31.6	123	125	P	H
	*	2470	102.12	-	-	93.98	32.13	7.61	31.6	123	125	A	H
		2498.8	56.12	-17.88	74	47.91	32.1	7.67	31.56	163	67	P	V
		2484.58	45.14	-8.86	54	36.96	32.12	7.64	31.58	163	67	A	V
	*	2472	111.62	-	-	103.46	32.12	7.64	31.6	163	67	P	V
	*	2470	101.34	-	-	93.2	32.13	7.61	31.6	163	67	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 802.11ax20 RU52 (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 RU52 Left CH 01 2412MHz		2368.11	55.94	-18.06	74	48.05	32.11	7.44	31.66	105	127	P	H
		2389.17	44.96	-9.04	54	36.91	32.2	7.5	31.65	105	127	A	H
	*	2404	109.86	-	-	101.8	32.18	7.53	31.65	105	127	P	H
	*	2406	100.77	-	-	92.71	32.18	7.53	31.65	105	127	A	H
		2341.85	56.3	-17.7	74	48.5	32.06	7.41	31.67	190	85	P	V
		2389.95	45.08	-8.92	54	37.03	32.2	7.5	31.65	190	85	A	V
	*	2406	109.25	-	-	101.19	32.18	7.53	31.65	190	85	P	V
	*	2406	99.82	-	-	91.76	32.18	7.53	31.65	190	85	A	V
802.11 ax20 RU52 Right CH 11 2462MHz		2497.42	56.57	-17.43	74	48.36	32.1	7.67	31.56	145	135	P	H
		2483.5	45.07	-8.93	54	36.89	32.12	7.64	31.58	145	135	A	H
	*	2468	108.78	-	-	100.64	32.13	7.61	31.6	145	135	P	H
	*	2468	99.93	-	-	91.79	32.13	7.61	31.6	145	135	A	H
		2486.86	57.57	-16.43	74	49.39	32.12	7.64	31.58	168	83	P	V
		2485.48	45.11	-8.89	54	36.93	32.12	7.64	31.58	168	83	A	V
	*	2470	108.62	-	-	100.48	32.13	7.61	31.6	168	83	P	V
	*	2470	100	-	-	91.86	32.13	7.61	31.6	168	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 802.11ax20 RU106 (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 RU106 Left CH 01 2412MHz		2387.74	59.5	-14.5	74	51.45	32.2	7.5	31.65	304	237	P	H
		2389.95	45.5	-8.5	54	37.45	32.2	7.5	31.65	304	237	A	H
	*	2404	110.07	-	-	102.01	32.18	7.53	31.65	304	237	P	H
	*	2410	100.64	-	-	92.58	32.18	7.53	31.65	304	237	A	H
		2388	58.25	-15.75	74	50.2	32.2	7.5	31.65	100	291	P	V
		2389.95	45.16	-8.84	54	37.11	32.2	7.5	31.65	100	291	A	V
	*	2408	108.98	-	-	100.92	32.18	7.53	31.65	100	291	P	V
	*	2408	99.8	-	-	91.74	32.18	7.53	31.65	100	291	A	V
802.11 ax20 RU106 Right CH 11 2462MHz		2483.5	64.68	-9.32	74	56.5	32.12	7.64	31.58	267	233	P	H
		2483.5	45.37	-8.63	54	37.19	32.12	7.64	31.58	267	233	A	H
	*	2466	110.36	-	-	102.22	32.13	7.61	31.6	267	233	P	H
	*	2468	100.12	-	-	91.98	32.13	7.61	31.6	267	233	A	H
		2483.74	63.22	-10.78	74	55.04	32.12	7.64	31.58	162	148	P	V
		2483.5	45.31	-8.69	54	37.13	32.12	7.64	31.58	162	148	A	V
	*	2470	107.87	-	-	99.73	32.13	7.61	31.6	162	148	P	V
	*	2466	99.11	-	-	90.97	32.13	7.61	31.6	162	148	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	Cable	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		52.31	17.27	-22.73	40	34.9	13.9	1.63	33.16	-	-	P	H
		154.16	22.38	-21.12	43.5	35.92	16.86	2.8	33.2	-	-	P	H
		277.35	26.48	-19.52	46	36.68	19.2	3.75	33.15	-	-	P	H
		650.8	25.99	-20.01	46	26.35	26.5	5.74	32.6	-	-	P	H
		903	28.27	-17.73	46	24.4	29.21	6.75	32.09	100	0	P	H
		985.45	29.08	-24.92	54	23.38	30.72	7.05	32.07	-	-	P	H
		30	23.3	-16.7	40	30.26	25.1	1.24	33.3	-	-	P	V
		52.31	25.84	-14.16	40	43.47	13.9	1.63	33.16	100	0	P	V
		94.99	19.79	-23.71	43.5	35.14	15.45	2.2	33	-	-	P	V
		151.25	18.67	-24.83	43.5	32.06	17.04	2.77	33.2	-	-	P	V
		572.23	23.69	-22.31	46	25.44	25.58	5.38	32.71	-	-	P	V
		850.62	27.23	-18.77	46	23.58	29.3	6.55	32.2	-	-	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	Cable	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		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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)

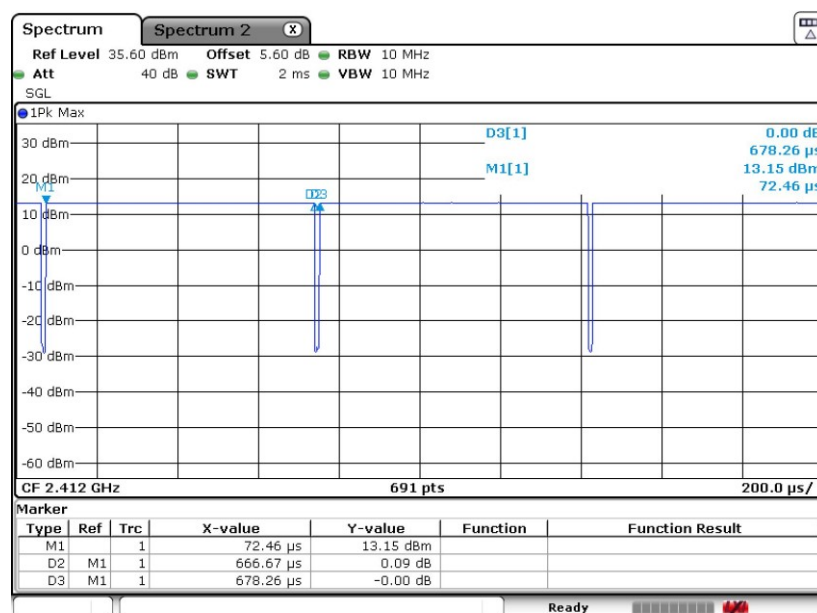
= -10.46(dB)

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

Appendix D. Duty Cycle Plots

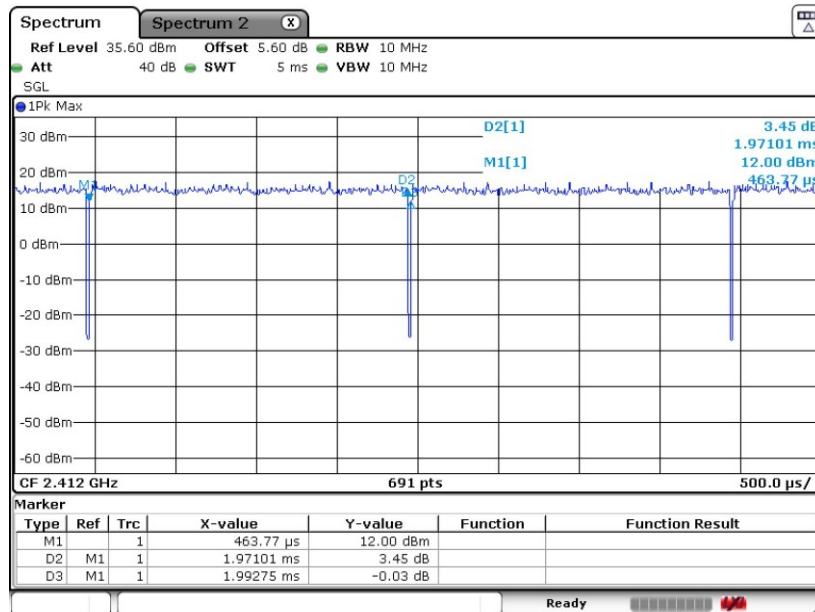
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11b	98.29	-	-	10Hz
1+2	802.11g	98.91	-	-	10Hz
1+2	802.11n HT20	100	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz

802.11b

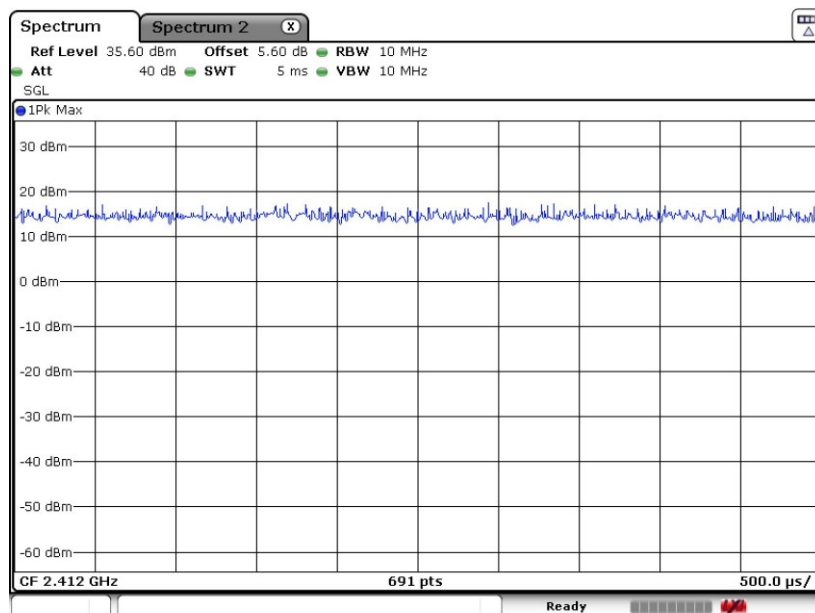




802.11g



802.11n HT20





802.11ax HE20

