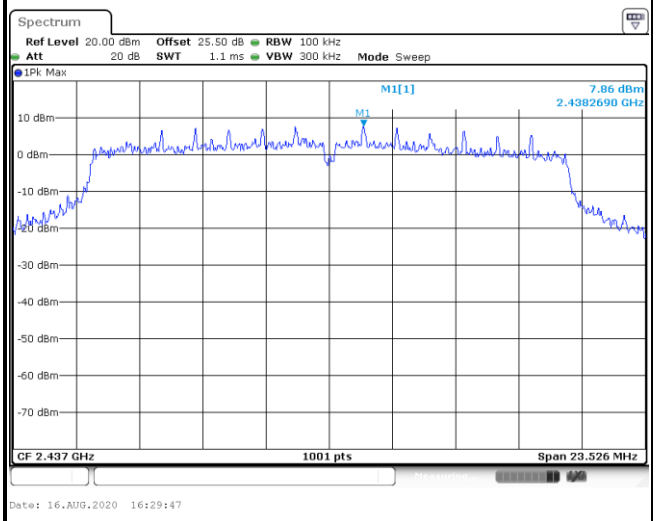
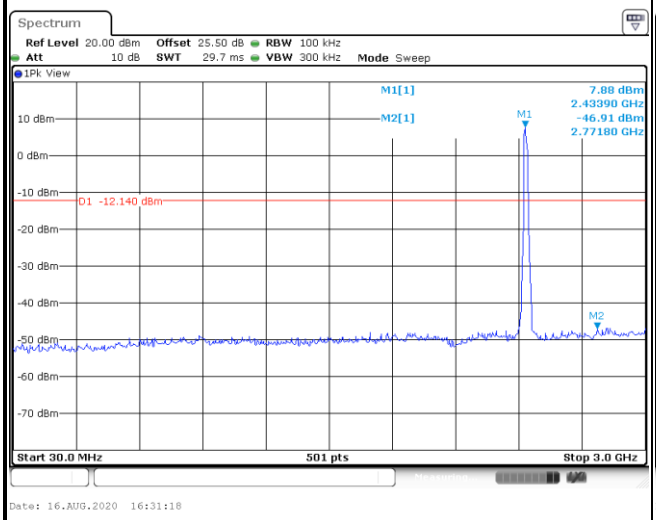
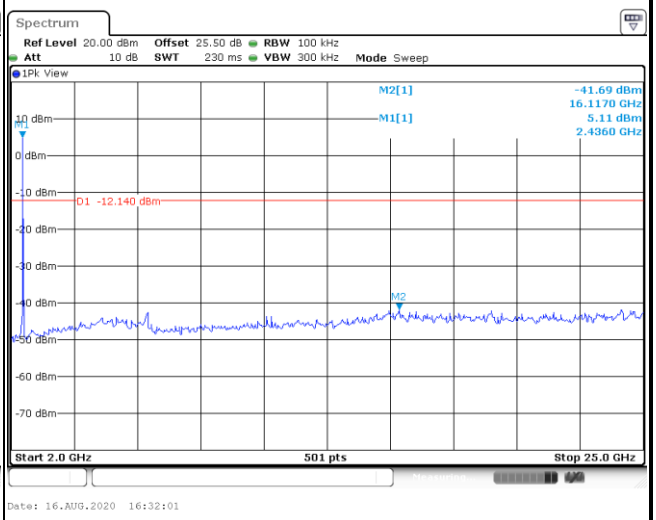
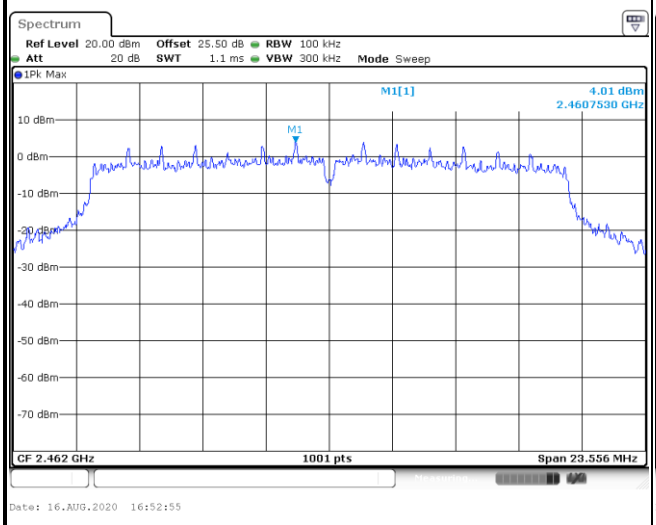
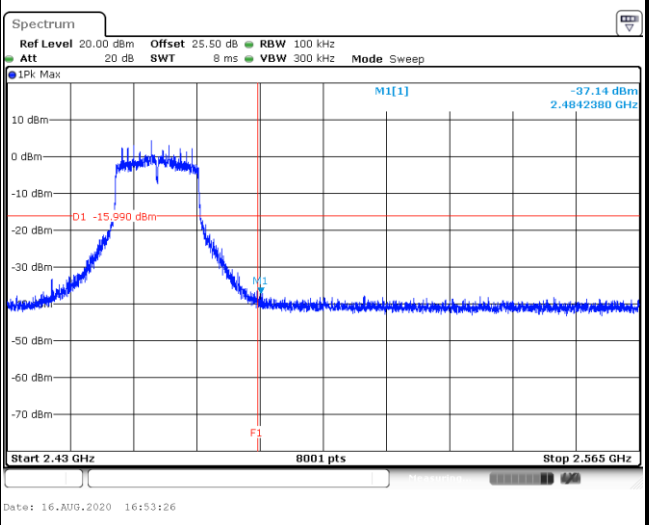
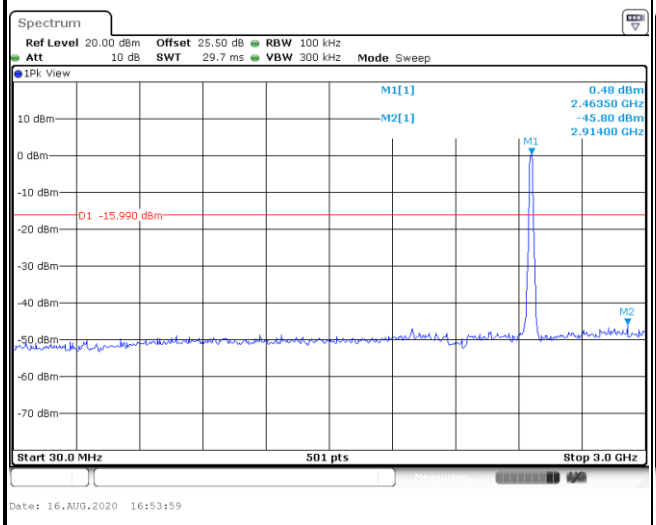
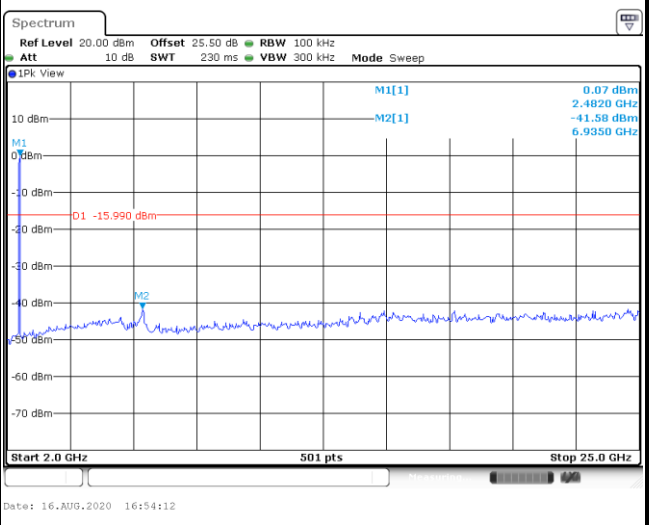
Test Mode :	802.11n HT20	Test Channel :	06

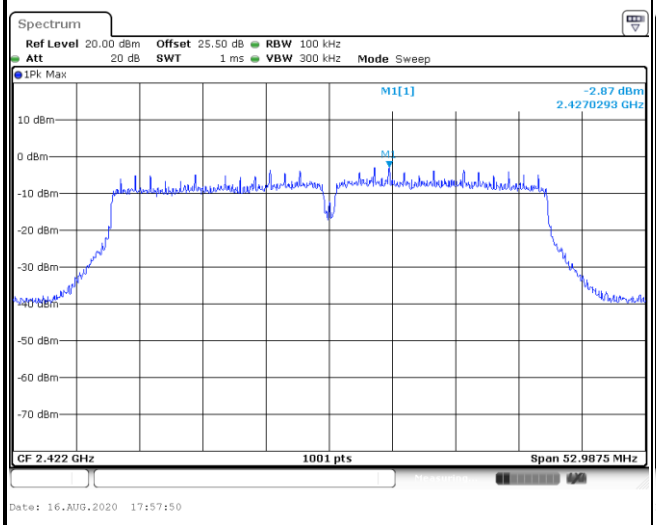
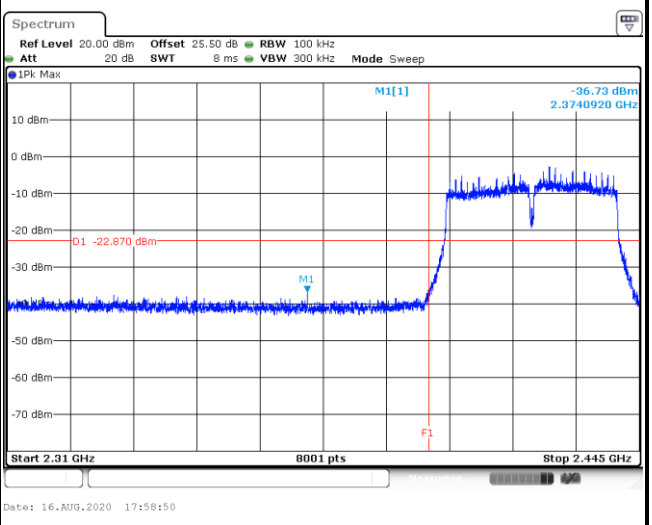
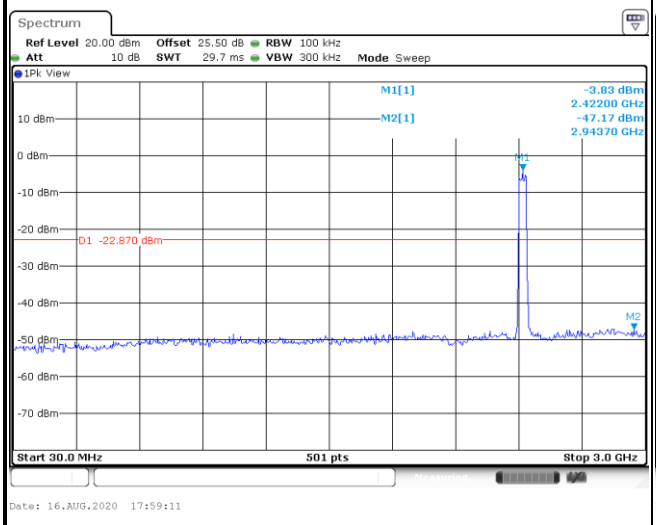
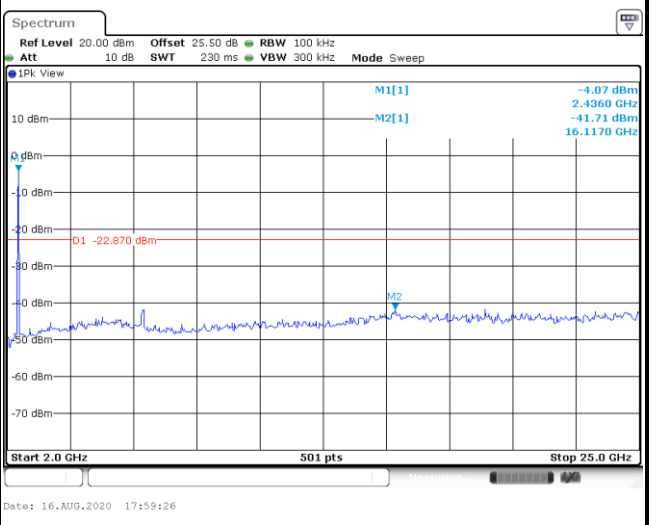
100kHz PSD reference Level	Mid Channel Plot
	

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

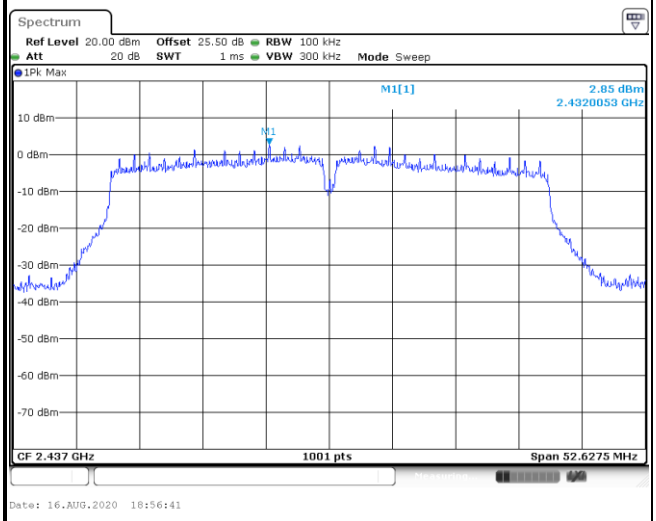
Test Mode :	802.11n HT20	Test Channel :	11

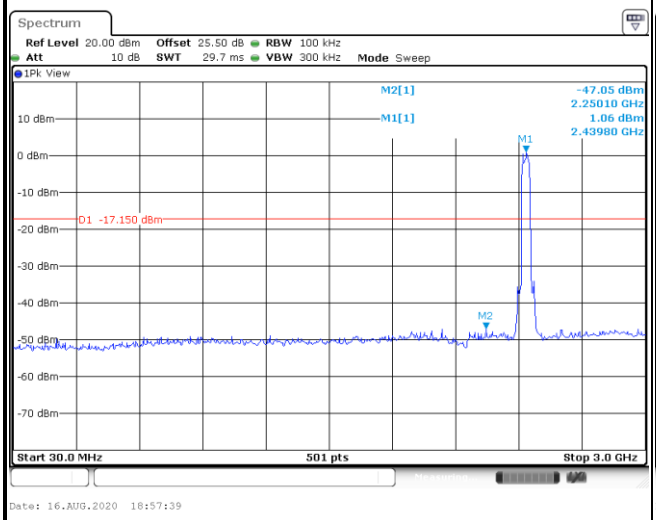
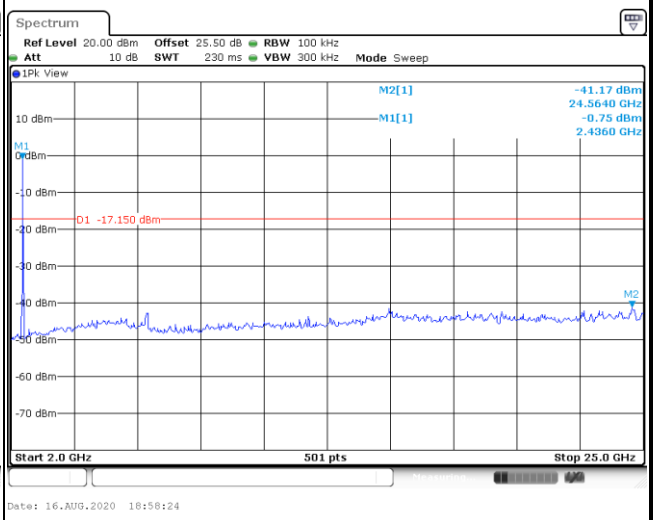
100kHz PSD reference Level	High Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	03

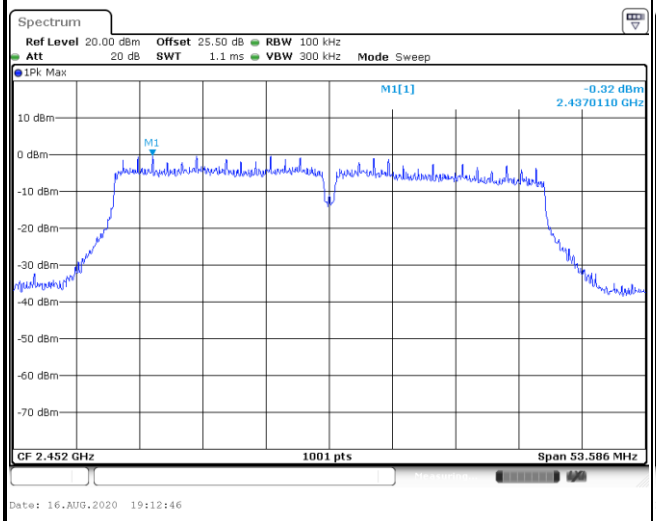
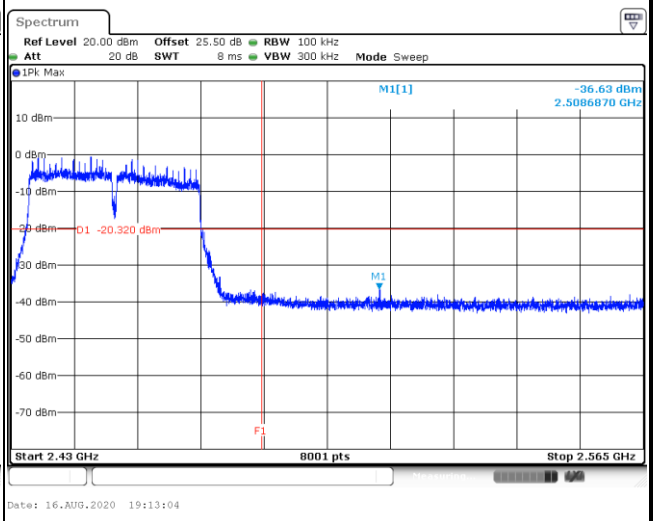
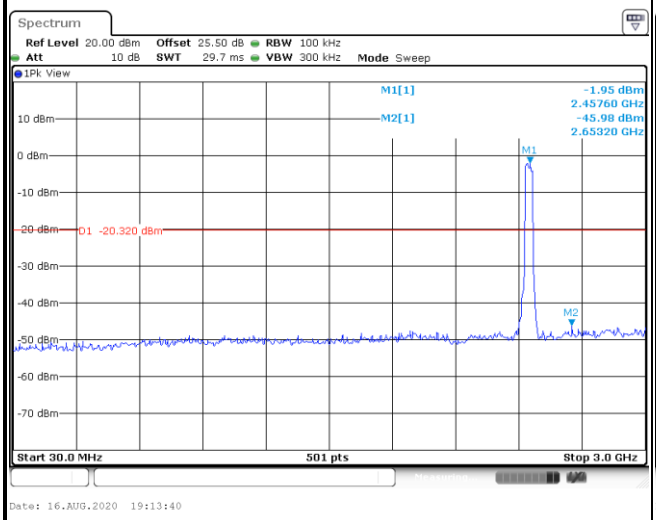
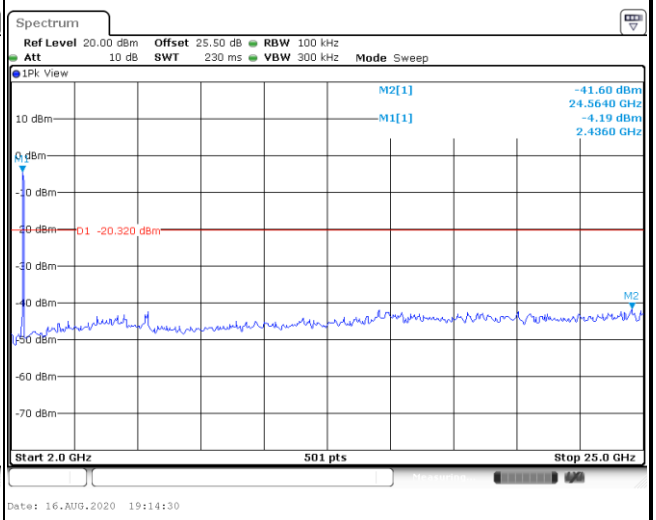
100kHz PSD reference Level	Low Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	06

100kHz PSD reference Level	Mid Channel Plot
	

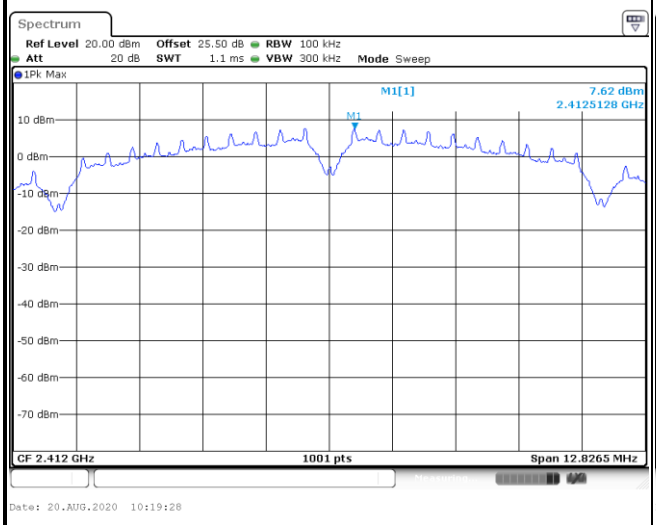
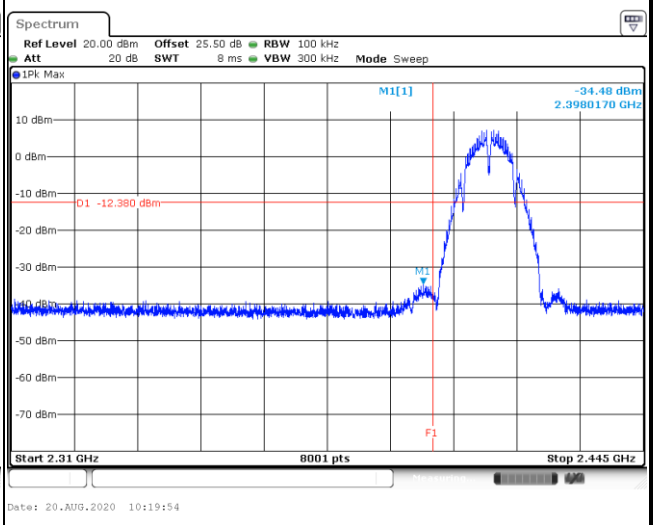
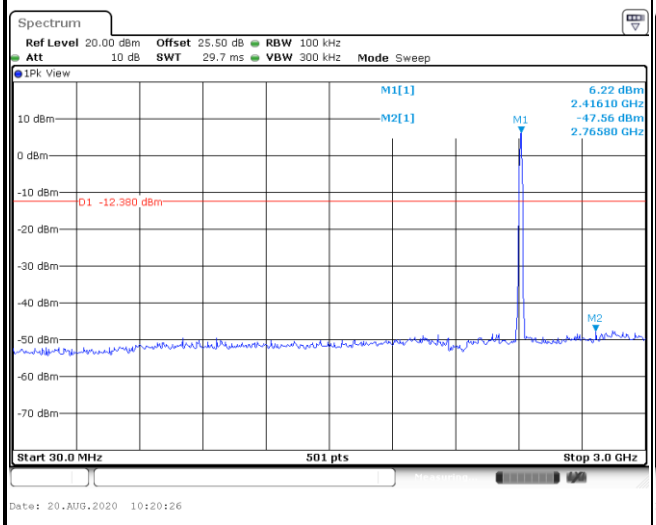
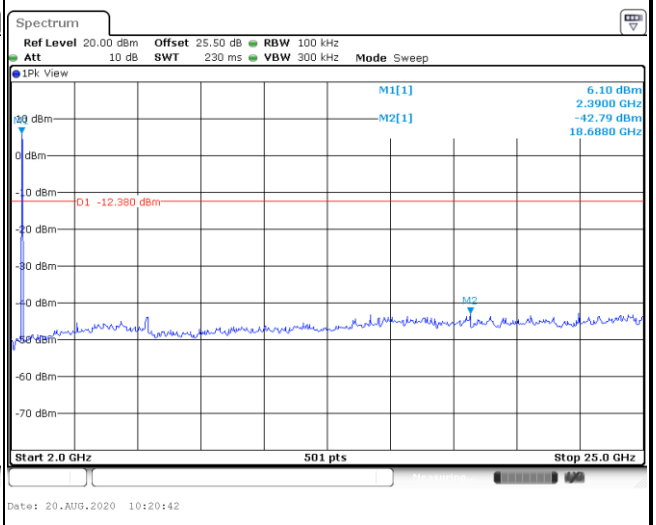
Spurious Emission 30MHz~3GHz	Spurious Emission 2GHz~25GHz
	

Test Mode :	802.11n HT40	Test Channel :	09

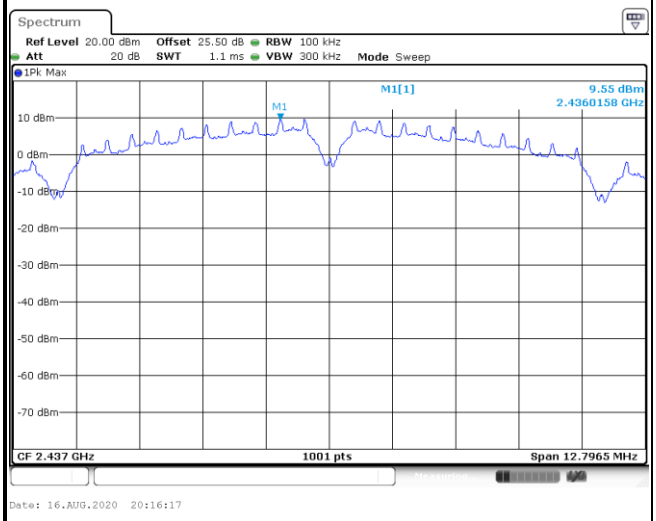
100kHz PSD reference Level	High Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

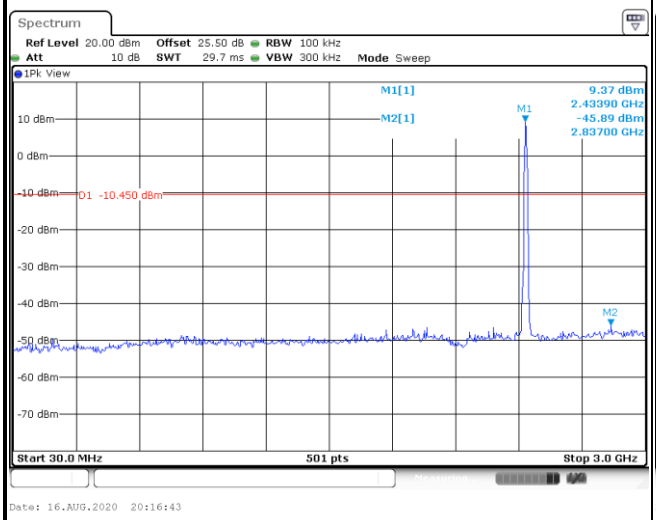
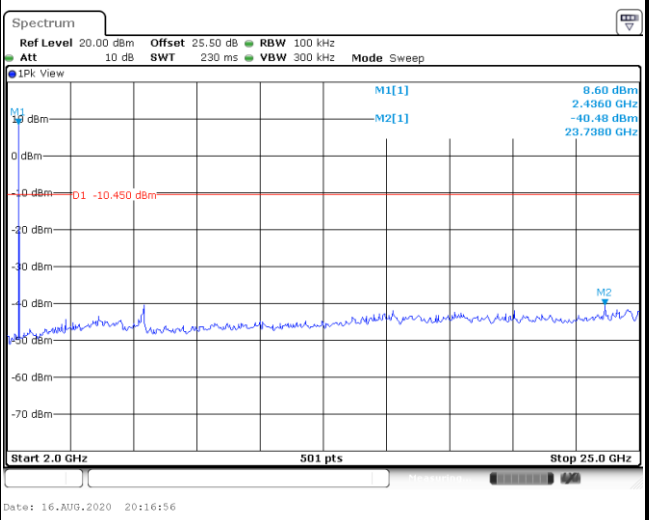
Number of TX = 2, Ant. 2 (Measured)

Test Mode :	802.11b	Test Channel :	01

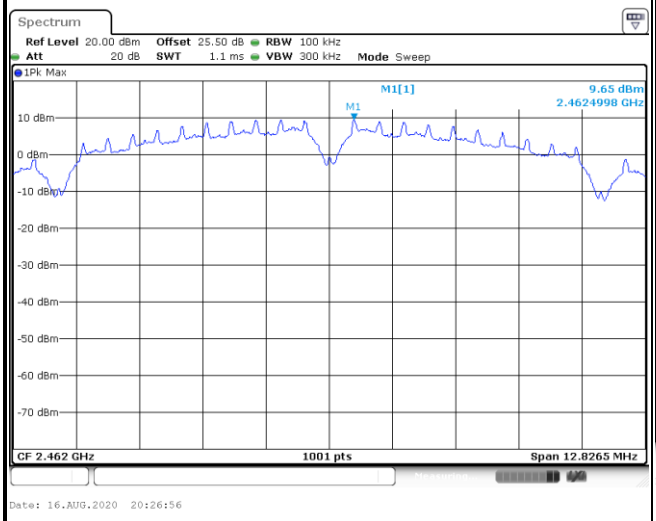
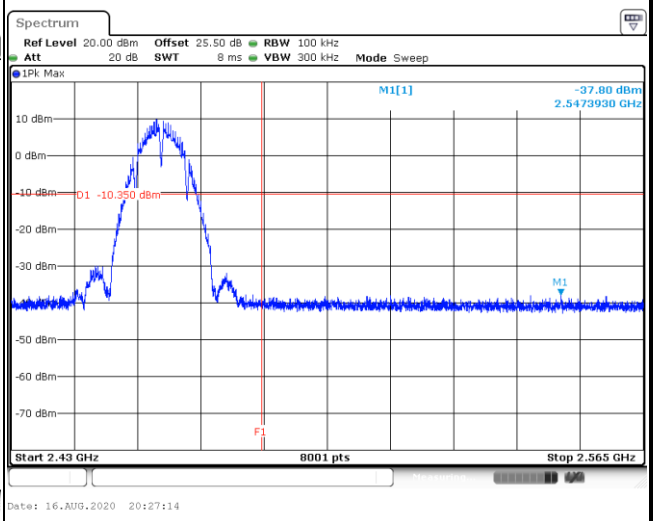
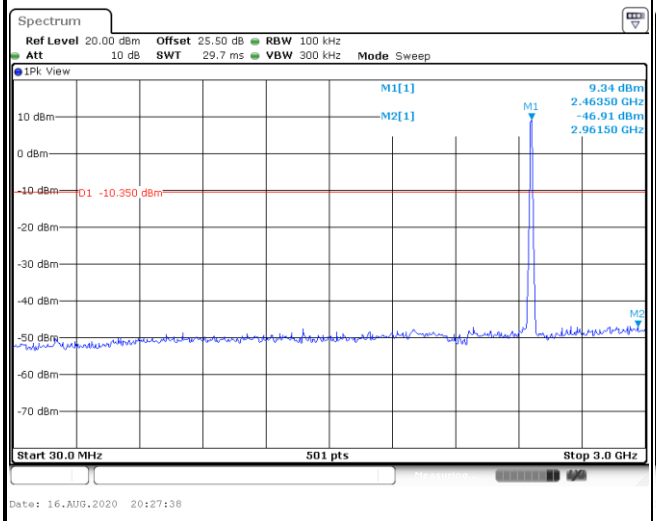
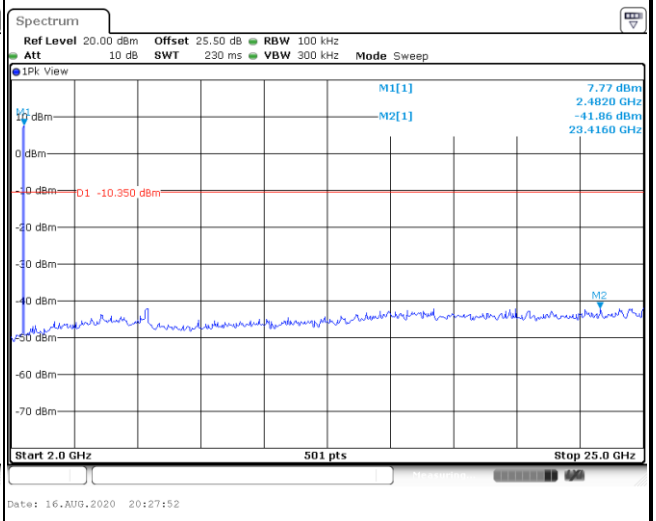
100kHz PSD reference Level	Low Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11b	Test Channel :	06

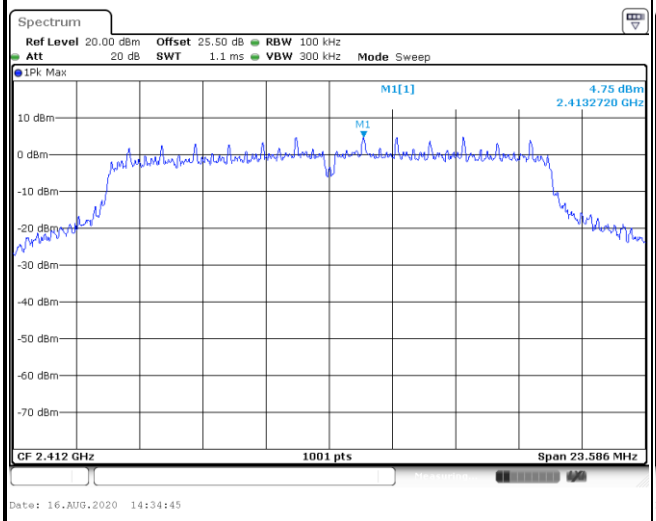
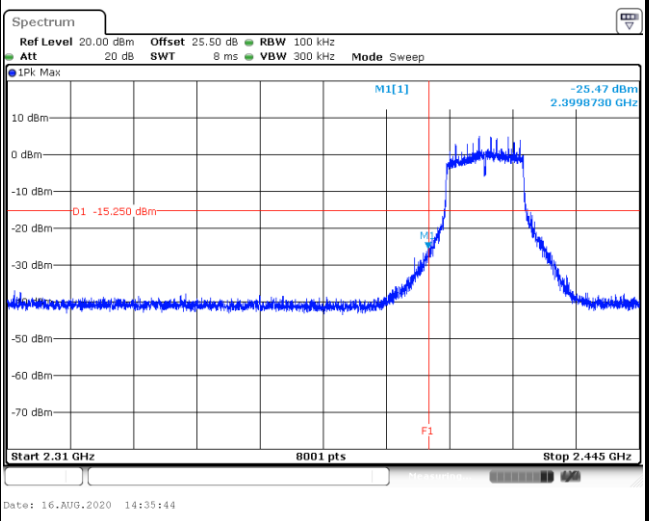
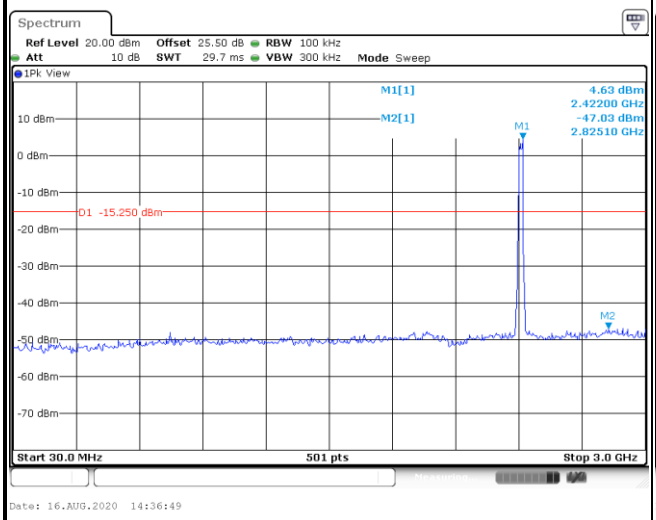
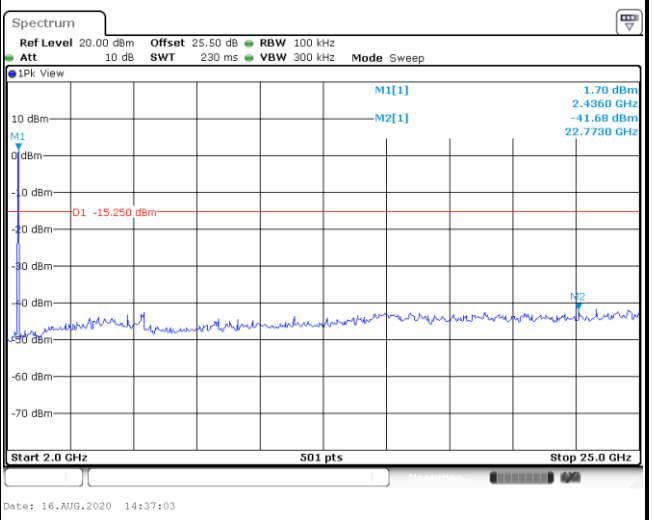
100kHz PSD reference Level	Mid Channel Plot
	

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

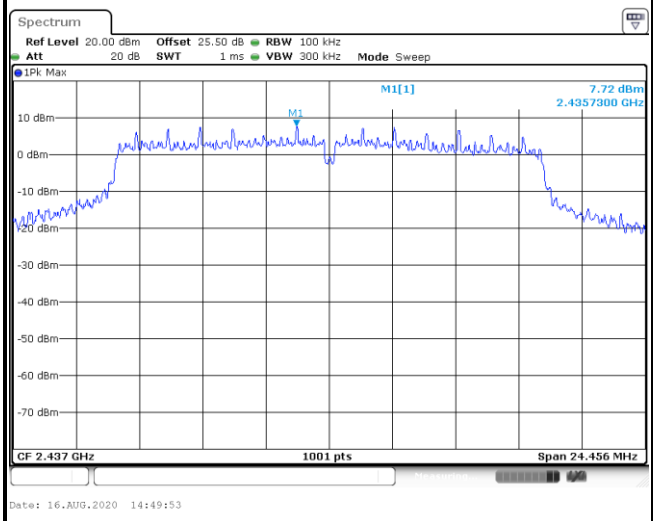
Test Mode :	802.11b	Test Channel :	11

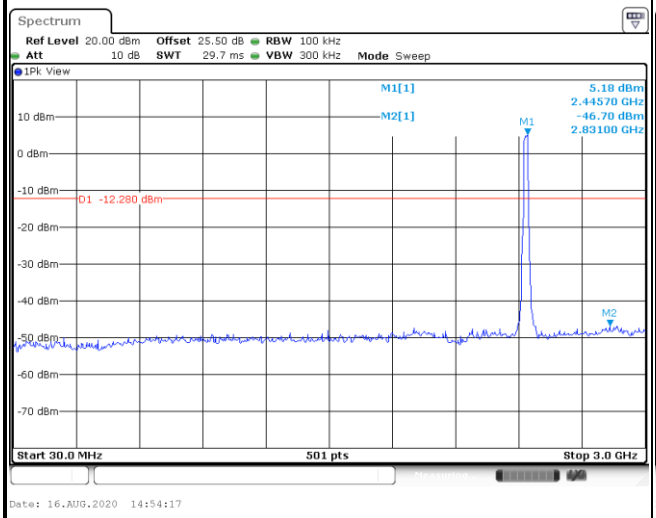
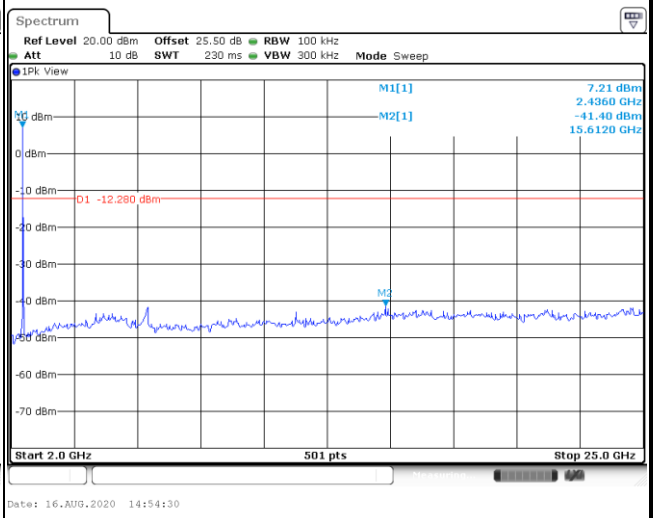
100kHz PSD reference Level	High Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	01

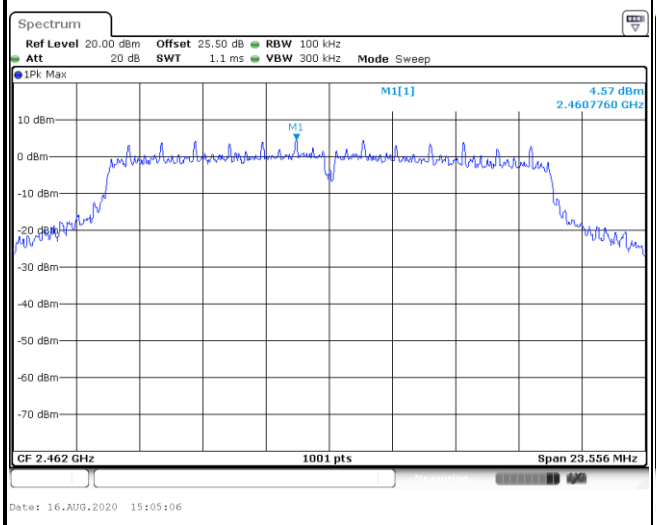
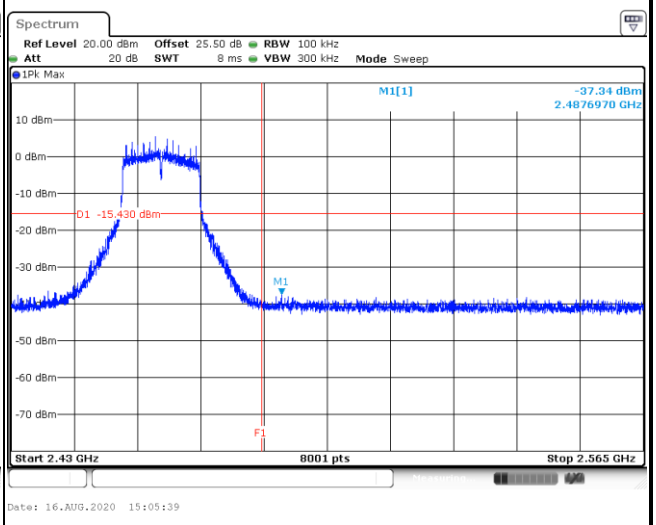
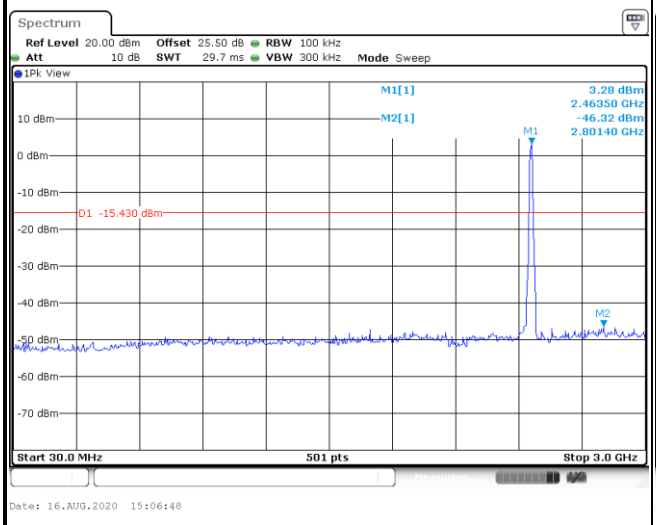
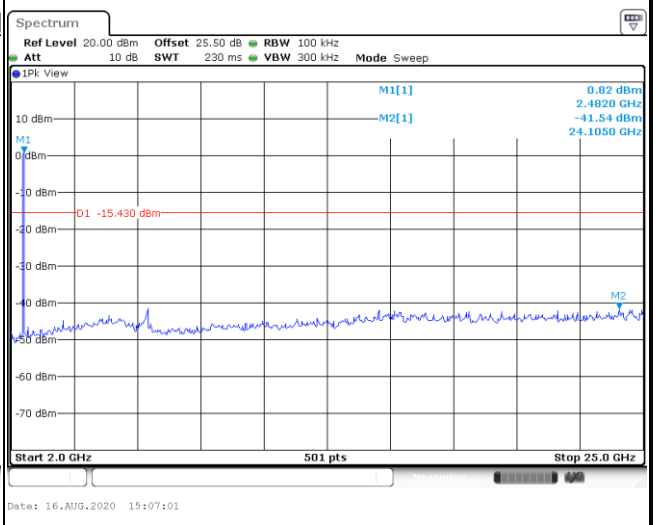
100kHz PSD reference Level	Low Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11g	Test Channel :	06

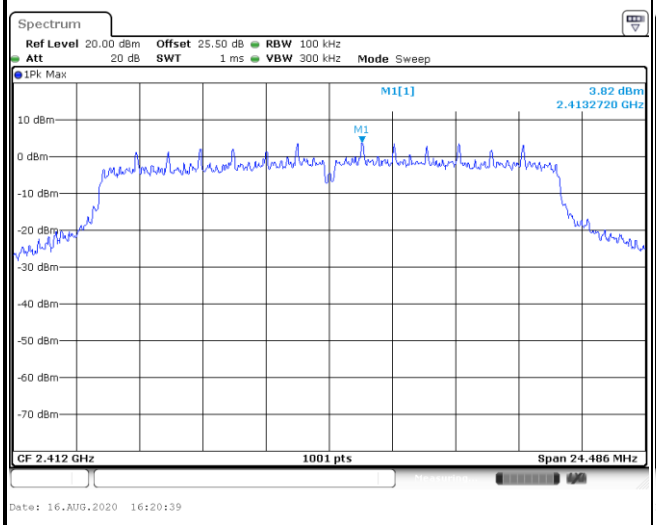
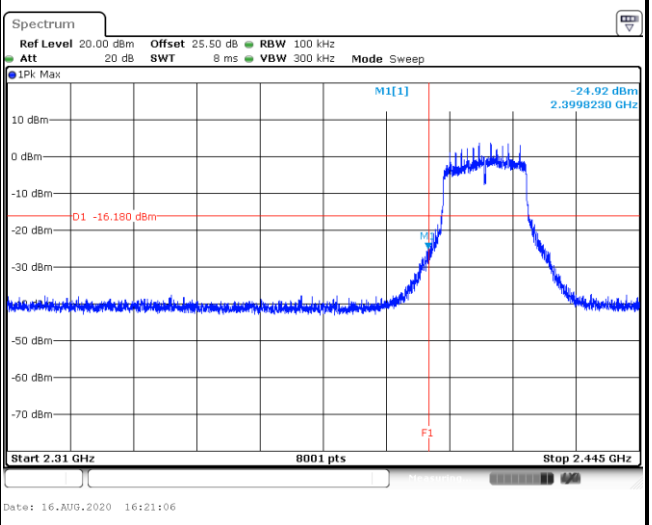
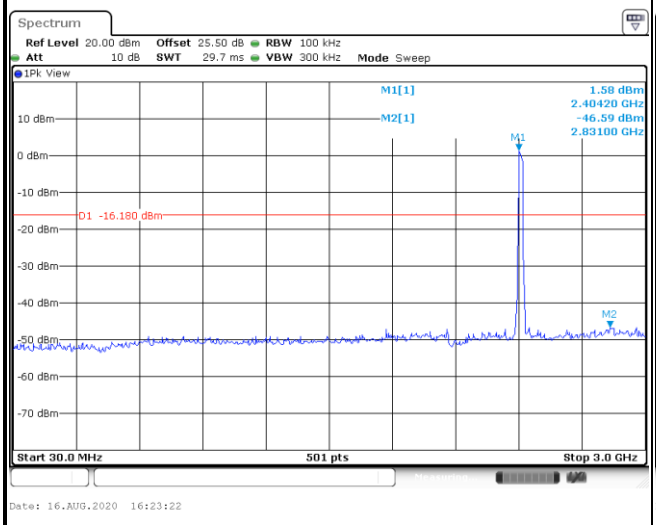
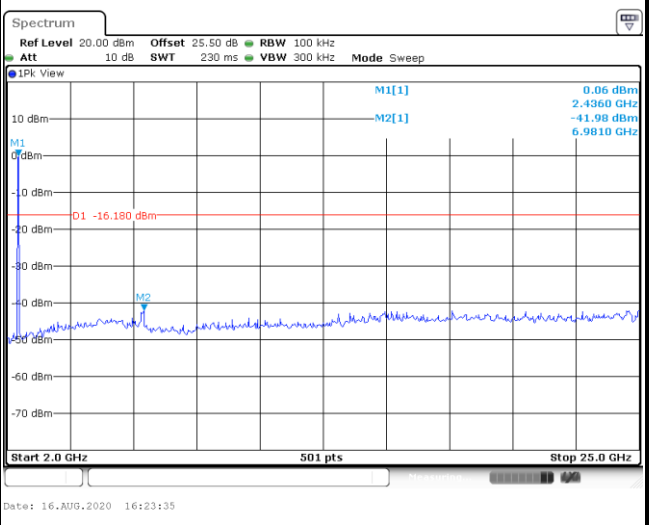
100kHz PSD reference Level	Mid Channel Plot
	

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

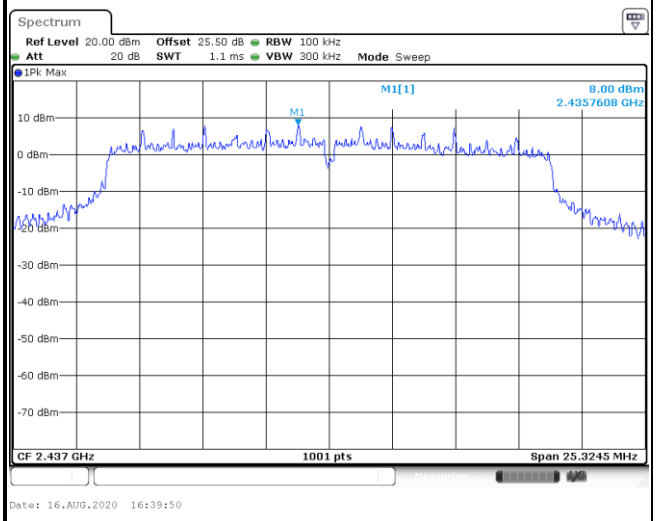
Test Mode :	802.11g	Test Channel :	11

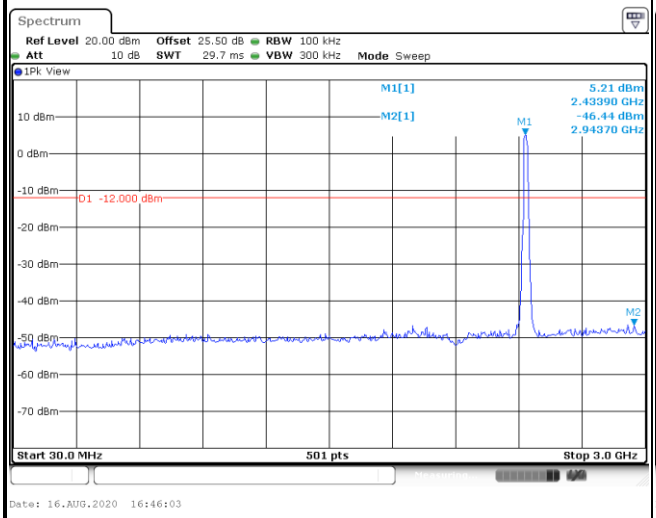
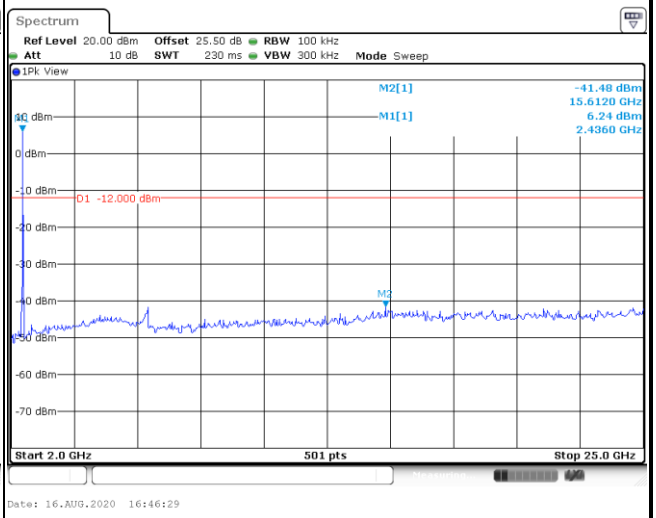
100kHz PSD reference Level	High Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	01

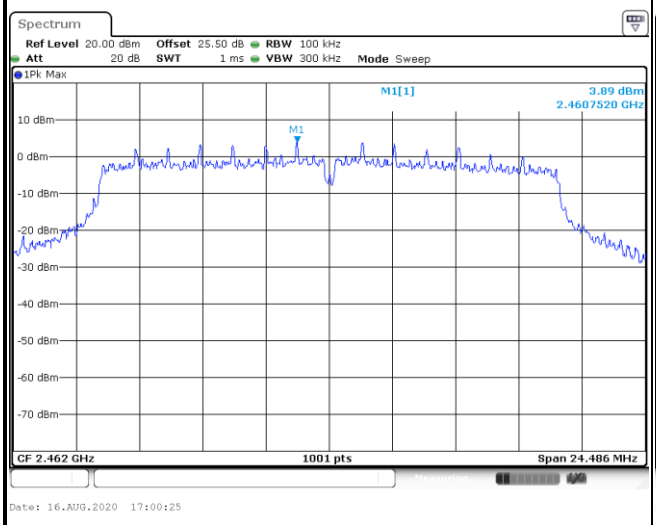
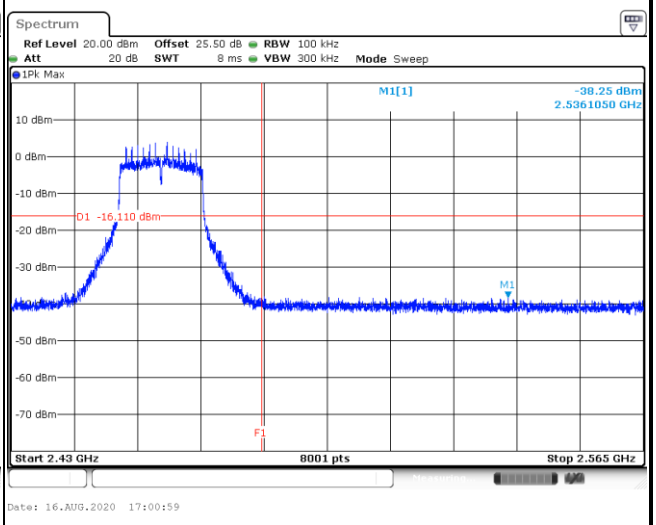
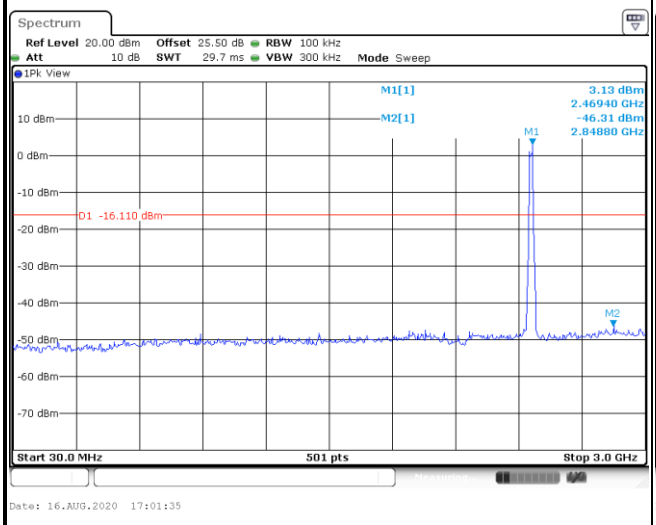
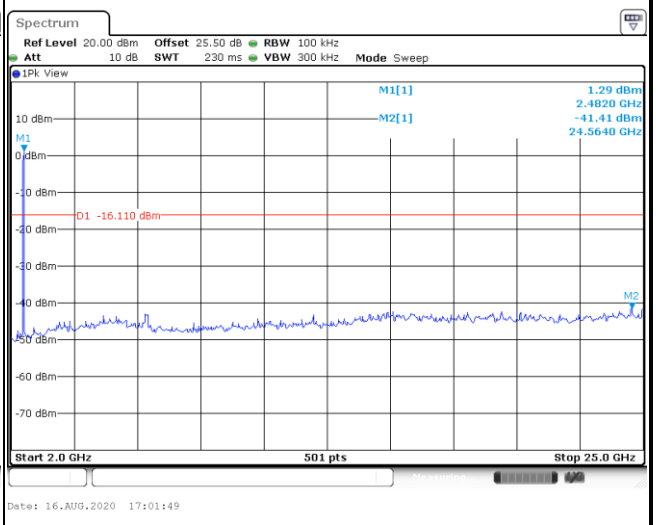
100kHz PSD reference Level	Low Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

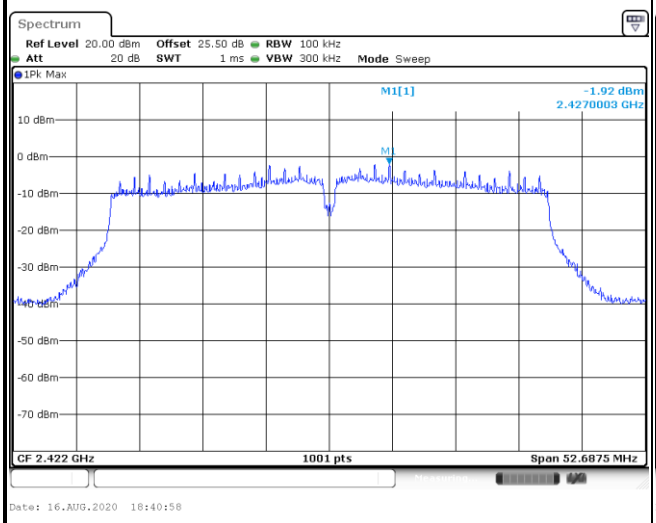
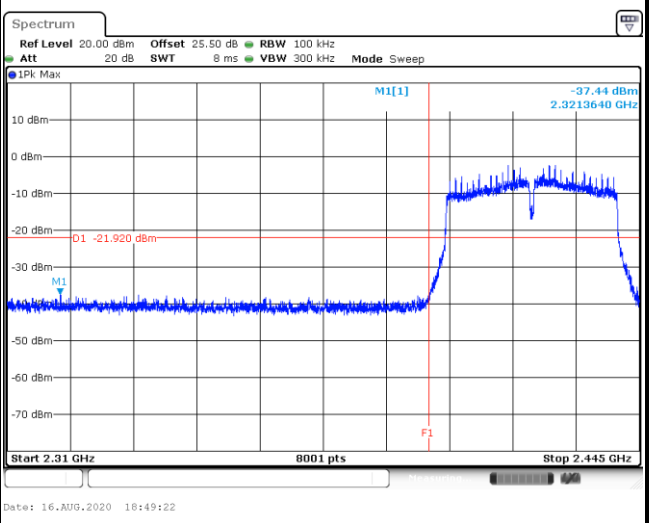
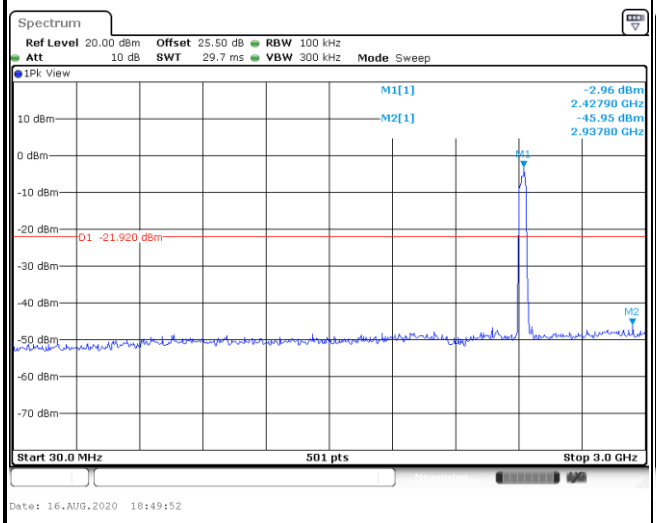
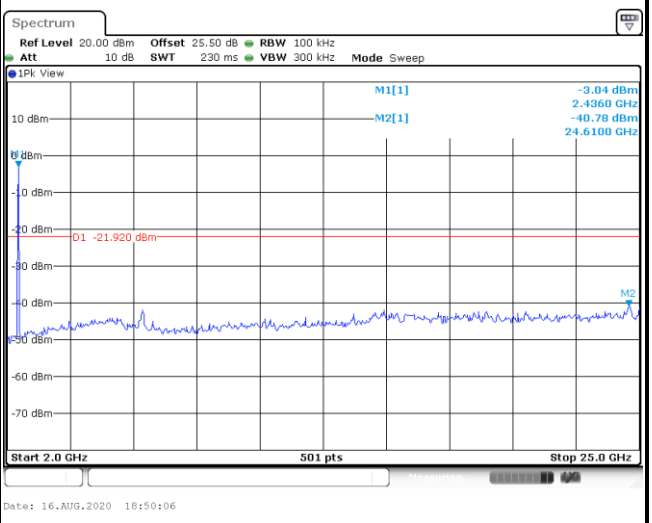
100kHz PSD reference Level	Mid Channel Plot
	

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

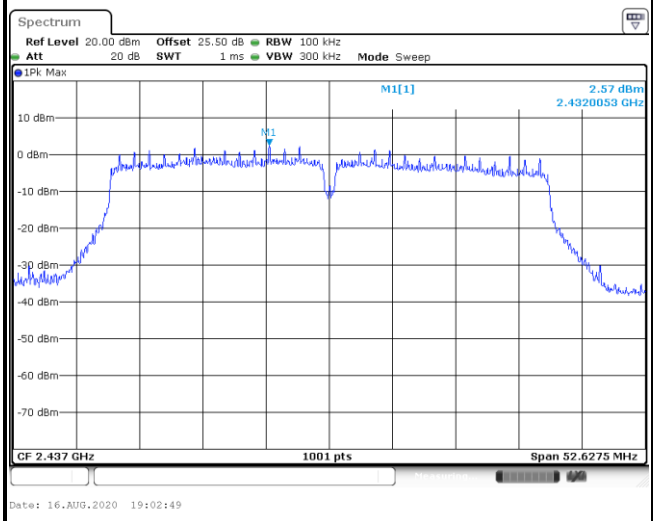
Test Mode :	802.11n HT20	Test Channel :	11

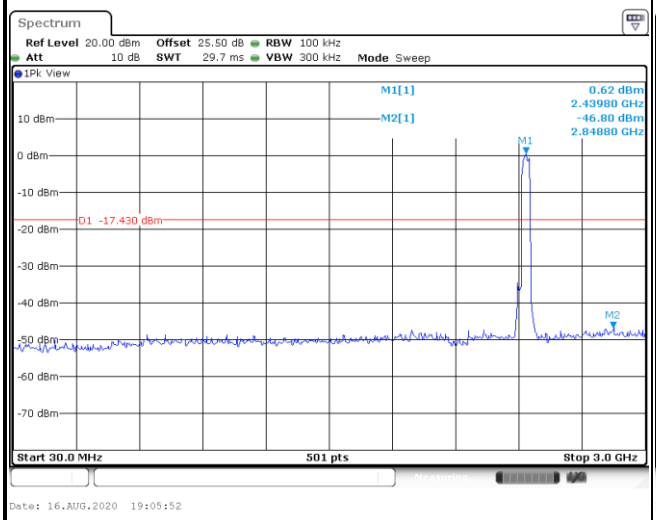
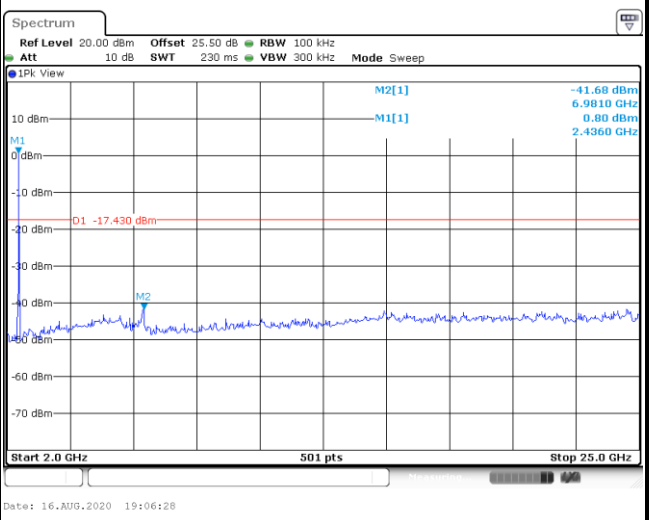
100kHz PSD reference Level	High Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	03

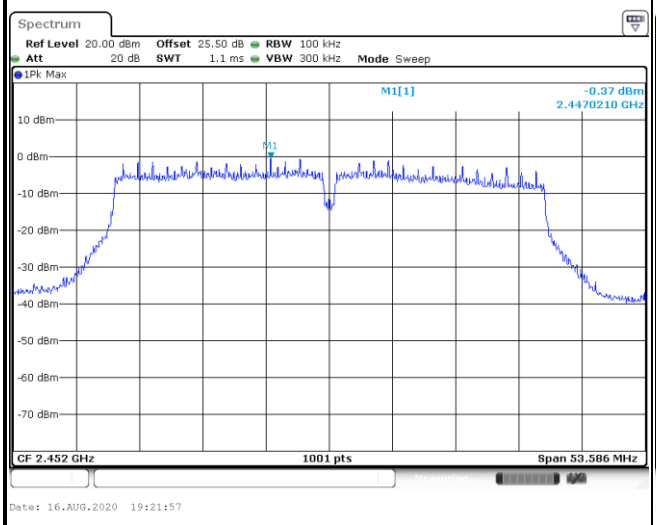
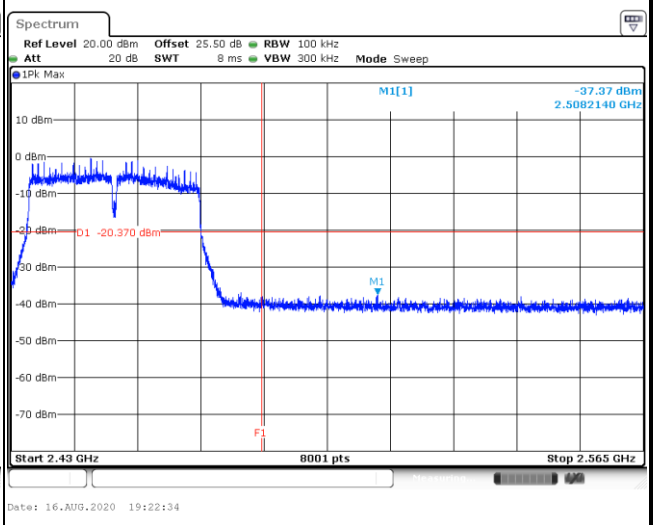
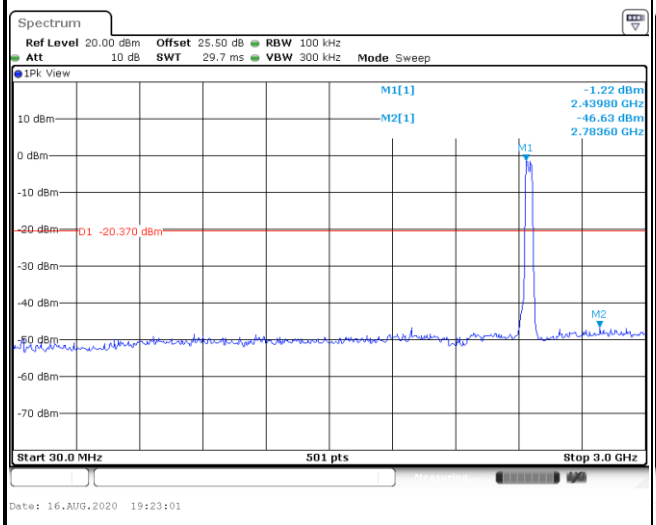
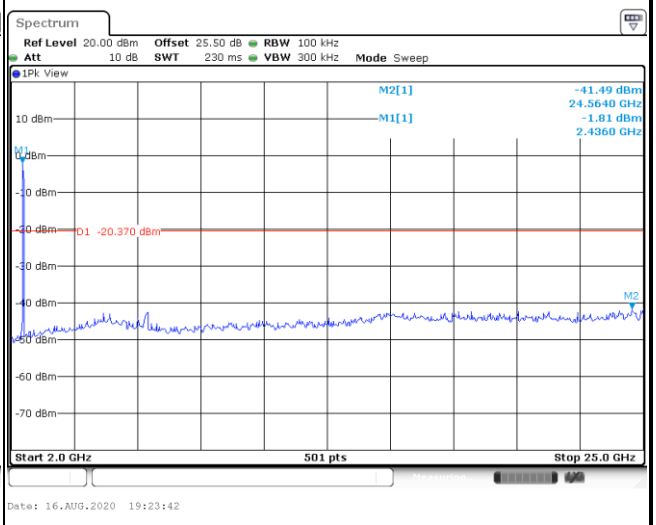
100kHz PSD reference Level	Low Channel Plot
	
Spurious Emission 30MHz~3GHz	**Spurious Emission 2GHz~25GHz**
	

Test Mode :	802.11n HT40	Test Channel :	06

100kHz PSD reference Level	Mid Channel Plot
	

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

Test Mode :	802.11n HT40	Test Channel :	09

100kHz PSD reference Level	High 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

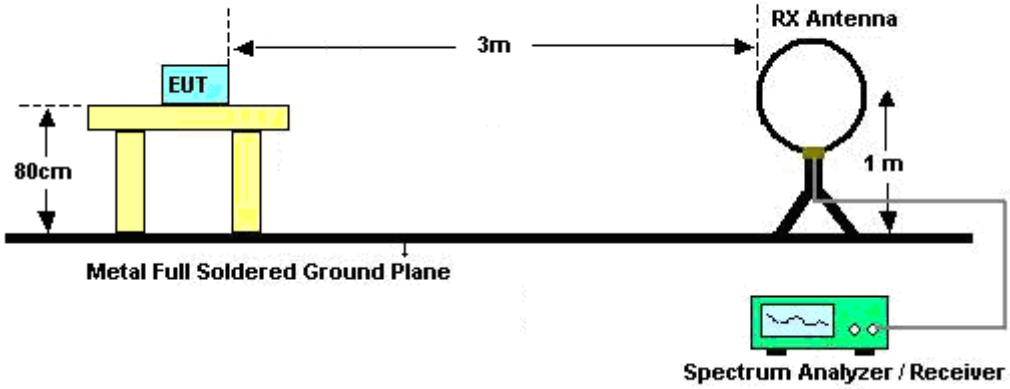
See list of measuring equipment of this test report.

3.5.3 Test Procedures

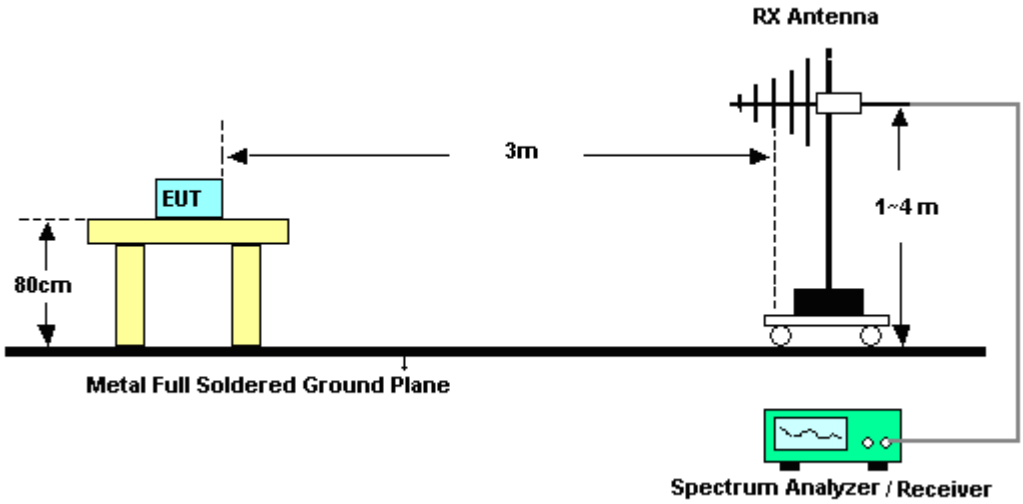
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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

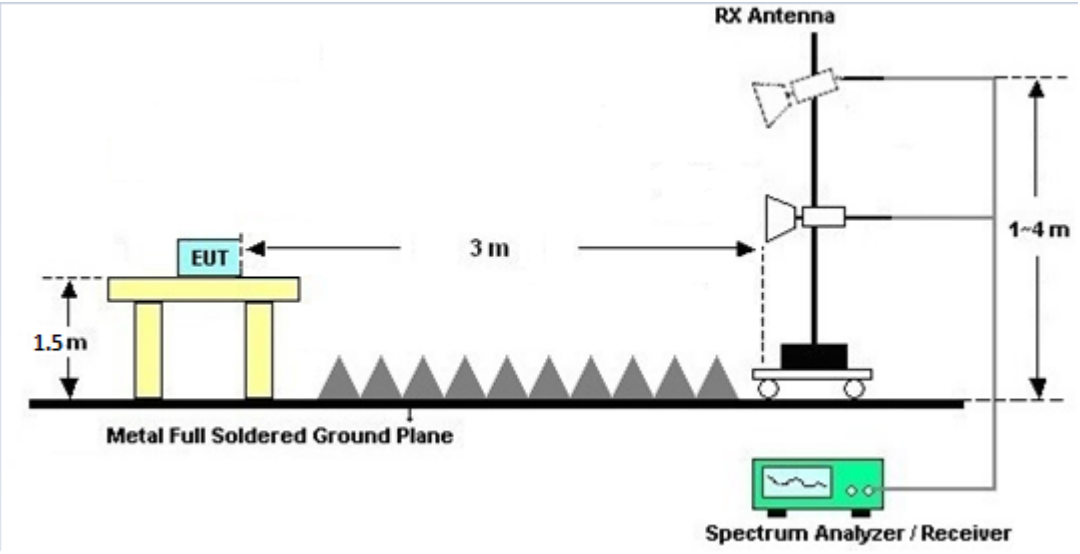
For radiated emissions below 30MHz



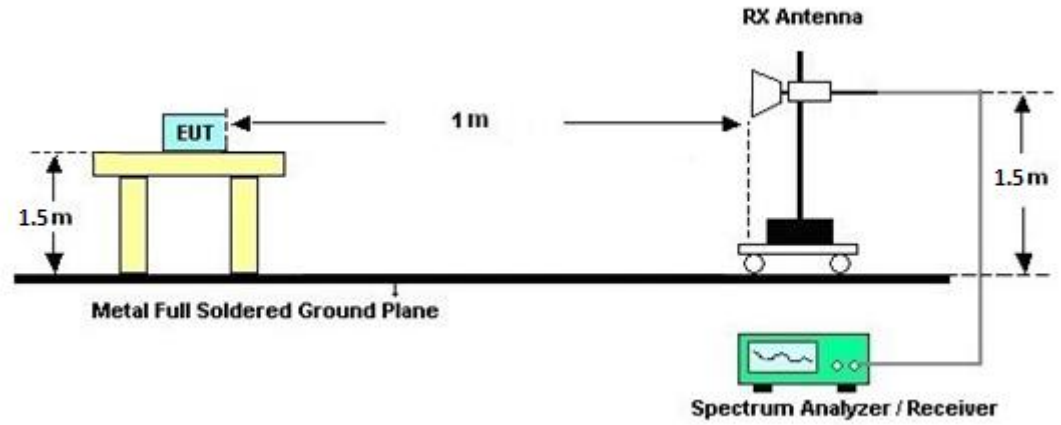
For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz to 18GHz



For radiated emissions above 18GHz



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 alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and 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 B and 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.

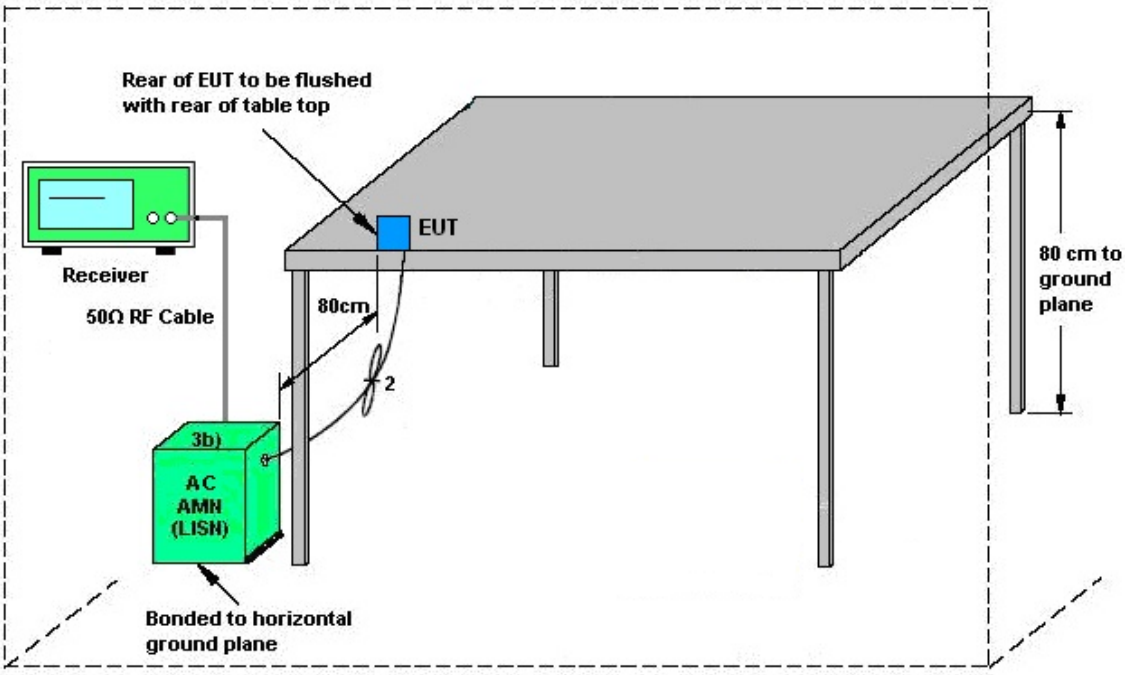
3.6.2 Measuring Instruments

See list of measuring equipment 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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

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>

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 1 (dBi)	Ant. 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4 GHz	3.10	3.15	3.15	6.14	0.00	0.14

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

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jul. 21, 2020~ Aug. 07, 2020	Jan. 08, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 12, 2019	Jul. 21, 2020~ Aug. 07, 2020	Oct. 11, 2020	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 19, 2019	Jul. 21, 2020~ Aug. 07, 2020	Sep. 18, 2020	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170980	18GHz~40GHz	Jan. 10, 2020	Jul. 21, 2020~ Aug. 07, 2020	Jan. 09, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Oct. 01, 2019	Jul. 21, 2020~ Aug. 07, 2020	Sep. 30, 2020	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Jul. 21, 2020~ Aug. 07, 2020	May 06, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	Jul. 21, 2020~ Aug. 07, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 11, 2019	Jul. 21, 2020~ Aug. 07, 2020	Dec. 10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Dec. 05, 2019	Jul. 21, 2020~ Aug. 07, 2020	Dec. 04, 2020	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Jul. 21, 2020~ Aug. 07, 2020	May 03, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 30, 2019	Jul. 21, 2020~ Aug. 07, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 30, 2019	Jul. 21, 2020~ Aug. 07, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 30, 2019	Jul. 21, 2020~ Aug. 07, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP162965	N/A	Oct. 25, 2019	Jul. 21, 2020~ Aug. 07, 2020	Oct. 24, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Jul. 21, 2020~ Aug. 07, 2020	N/A	Radiation (03CH16-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Jul. 17, 2020~ Aug. 20, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Jul. 17, 2020~ Aug. 20, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 15, 2019	Jul. 17, 2020~ Aug. 20, 2020	Nov. 14, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Jul. 17, 2020~ Aug. 20, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Control Manframe	Burgeon	ETF-058	EC1300484	N/A	Aug. 22, 2019	Jul. 17, 2020~ Aug. 20, 2020	Aug. 21, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 27, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jul. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jul. 27, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jul. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 27, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jul. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jul. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.3**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

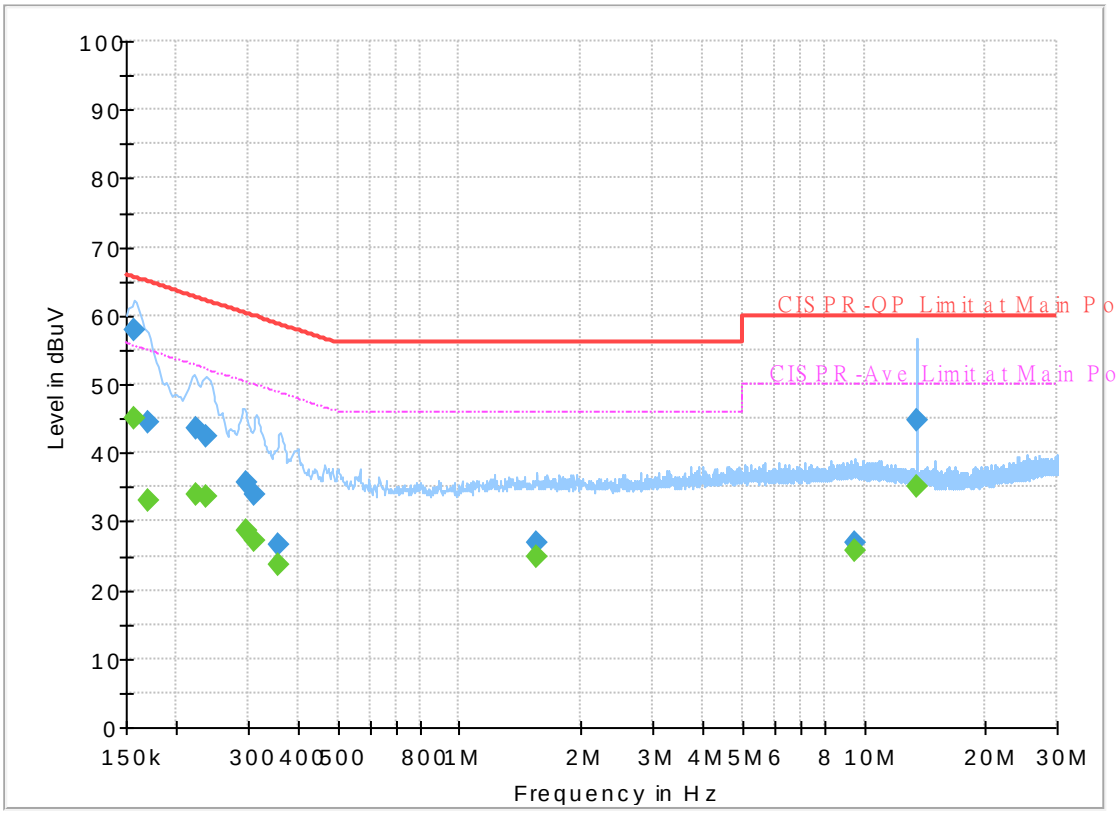
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~25℃
		Relative Humidity :	42~50%

EUT Information

Report NO :	070601
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



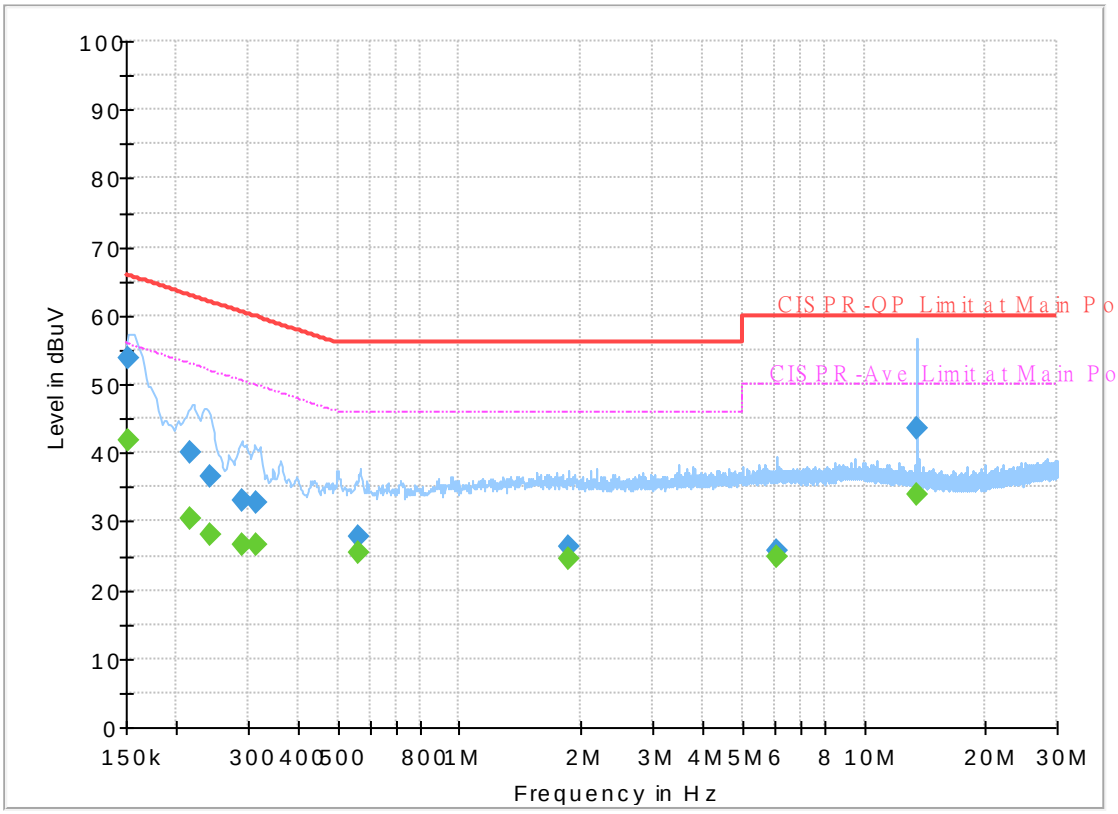
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	45.08	55.63	10.55	L1	OFF	19.6
0.156750	57.84	---	65.63	7.79	L1	OFF	19.6
0.170250	---	33.17	54.95	21.78	L1	OFF	19.6
0.170250	44.54	---	64.95	20.41	L1	OFF	19.6
0.222630	---	33.79	52.72	18.93	L1	OFF	19.6
0.222630	43.62	---	62.72	19.10	L1	OFF	19.6
0.235500	---	33.70	52.25	18.55	L1	OFF	19.6
0.235500	42.54	---	62.25	19.71	L1	OFF	19.6
0.298500	---	28.79	50.28	21.49	L1	OFF	19.6
0.298500	35.69	---	60.28	24.59	L1	OFF	19.6
0.309750	---	27.15	49.98	22.83	L1	OFF	19.6
0.309750	33.87	---	59.98	26.11	L1	OFF	19.6
0.354750	---	23.61	48.85	25.24	L1	OFF	19.6
0.354750	26.55	---	58.85	32.30	L1	OFF	19.6
1.551750	---	24.82	46.00	21.18	L1	OFF	19.6
1.551750	27.04	---	56.00	28.96	L1	OFF	19.6
9.496500	---	25.67	50.00	24.33	L1	OFF	20.1
9.496500	27.00	---	60.00	33.00	L1	OFF	20.1
13.560000	---	35.08	50.00	14.92	L1	OFF	20.2
13.560000	44.77	---	60.00	15.23	L1	OFF	20.2

EUT Information

Report NO :	070601
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	41.80	55.88	14.08	N	OFF	19.5
0.152250	53.69	---	65.88	12.19	N	OFF	19.5
0.215250	---	30.40	53.00	22.60	N	OFF	19.5
0.215250	40.09	---	63.00	22.91	N	OFF	19.5
0.242250	---	28.21	52.02	23.81	N	OFF	19.5
0.242250	36.57	---	62.02	25.45	N	OFF	19.5
0.289320	---	26.57	50.54	23.97	N	OFF	19.5
0.289320	33.17	---	60.54	27.37	N	OFF	19.5
0.312990	---	26.68	49.89	23.21	N	OFF	19.5
0.312990	32.71	---	59.89	27.18	N	OFF	19.5
0.564000	---	25.36	46.00	20.64	N	OFF	19.5
0.564000	27.82	---	56.00	28.18	N	OFF	19.5
1.865400	---	24.54	46.00	21.46	N	OFF	19.6
1.865400	26.41	---	56.00	29.59	N	OFF	19.6
6.090000	---	24.88	50.00	25.12	N	OFF	19.7
6.090000	25.76	---	60.00	34.24	N	OFF	19.7
13.562970	---	33.98	50.00	16.02	N	OFF	19.9
13.562970	43.59	---	60.00	16.41	N	OFF	19.9

Appendix B. Radiated Spurious Emission

Test Engineer :	Jacky Hung, Andy Yang and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2387.49	60.15	-13.85	74	44.19	27.65	18.09	29.78	100	81	P	H
		2387.07	51.85	-2.15	54	35.89	27.65	18.09	29.78	100	81	A	H
	*	2412	112.56	-	-	96.62	27.6	18.13	29.79	100	81	P	H
	*	2412	109.4	-	-	93.46	27.6	18.13	29.79	100	81	A	H
													H
													H
		2386.335	57.57	-16.43	74	41.61	27.65	18.09	29.78	292	21	P	V
		2387.28	48.11	-5.89	54	32.15	27.65	18.09	29.78	292	21	A	V
	*	2412	108.86	-	-	92.92	27.6	18.13	29.79	292	21	P	V
	*	2412	105.65	-	-	89.71	27.6	18.13	29.79	292	21	A	V
													V
													V
802.11b CH 06 2437MHz		2346.26	56.7	-17.3	74	40.64	27.81	18.02	29.77	135	79	P	H
		2387.42	44.92	-9.08	54	28.96	27.65	18.09	29.78	135	79	A	H
	*	2437	112.08	-	-	96.11	27.6	18.17	29.8	135	79	P	H
	*	2437	109.02	-	-	93.05	27.6	18.17	29.8	135	79	A	H
		2493.49	56.78	-17.22	74	40.84	27.51	18.26	29.83	135	79	P	H
		2483.9	45.04	-8.96	54	29.09	27.53	18.24	29.82	135	79	A	H
		2384.76	56.71	-17.29	74	40.75	27.66	18.08	29.78	321	29	P	V
		2389.52	44.67	-9.33	54	28.72	27.64	18.09	29.78	321	29	A	V
	*	2437	108.89	-	-	92.92	27.6	18.17	29.8	321	29	P	V
	*	2437	105.83	-	-	89.86	27.6	18.17	29.8	321	29	A	V
		2483.83	57.43	-16.57	74	41.48	27.53	18.24	29.82	321	29	P	V
		2485.16	44.76	-9.24	54	28.8	27.53	18.25	29.82	321	29	A	V

802.11b CH 11 2462MHz	*	2462	111.33	-	-	95.35	27.58	18.21	29.81	100	80	P	H
	*	2462	108.23	-	-	92.25	27.58	18.21	29.81	100	80	A	H
		2487.4	59.82	-14.18	74	43.86	27.53	18.25	29.82	100	80	P	H
		2486.88	51.81	-2.19	54	35.85	27.53	18.25	29.82	100	80	A	H
													H
													H
	*	2462	107.26	-	-	91.28	27.58	18.21	29.81	285	16	P	V
	*	2462	104.05	-	-	88.07	27.58	18.21	29.81	285	16	A	V
		2486.72	58.61	-15.39	74	42.65	27.53	18.25	29.82	285	16	P	V
		2486.84	49.73	-4.27	54	33.77	27.53	18.25	29.82	285	16	A	V
													V
													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	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	40.18	-33.82	74	55.69	31.15	12.43	59.09	100	0	P	H
													H
													H
													H
		4824	40.99	-33.01	74	56.5	31.15	12.43	59.09	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	40.64	-33.36	74	56.18	31.1	12.48	59.12	100	0	P	H
		7311	46.44	-27.56	74	52.88	36.44	15.68	58.56	100	0	P	H
													H
													H
		4874	42.58	-31.42	74	58.12	31.1	12.48	59.12	100	0	P	V
		7311	46.08	-27.92	74	52.52	36.44	15.68	58.56	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	40.63	-33.37	74	56.16	31.1	12.52	59.15	100	0	P	H
		7386	47.79	-26.21	74	54.06	36.53	15.66	58.46	100	0	P	H
													H
													H
		4924	44.11	-29.89	74	59.64	31.1	12.52	59.15	100	0	P	V
		7386	51.59	-22.41	74	57.86	36.53	15.66	58.46	100	56	P	V
													V
													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	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		2388.54	62.34	-11.66	74	46.38	27.65	18.09	29.78	100	279	P	H
		2390	52	-2	54	36.05	27.64	18.09	29.78	100	279	A	H
	*	2412	111.18	-	-	95.24	27.6	18.13	29.79	100	279	P	H
	*	2412	103.36	-	-	87.42	27.6	18.13	29.79	100	279	A	H
													H
													H
		2389.905	62.46	-11.54	74	46.51	27.64	18.09	29.78	376	355	P	V
		2390	51.19	-2.81	54	35.24	27.64	18.09	29.78	376	355	A	V
	*	2412	109.17	-	-	93.23	27.6	18.13	29.79	376	355	P	V
	*	2412	101.88	-	-	85.94	27.6	18.13	29.79	376	355	A	V
													V
													V
802.11g CH 06 2437MHz		2389.52	57.97	-16.03	74	42.02	27.64	18.09	29.78	253	14	P	H
		2389.8	46.68	-7.32	54	30.73	27.64	18.09	29.78	253	14	A	H
	*	2437	113.26	-	-	97.29	27.6	18.17	29.8	253	14	P	H
	*	2437	105.71	-	-	89.74	27.6	18.17	29.8	253	14	A	H
		2486.84	58.24	-15.76	74	42.28	27.53	18.25	29.82	253	14	P	H
		2486.42	45.97	-8.03	54	30.01	27.53	18.25	29.82	253	14	A	H
		2385.04	56.7	-17.3	74	40.73	27.66	18.09	29.78	322	4	P	V
		2389.8	45.79	-8.21	54	29.84	27.64	18.09	29.78	322	4	A	V
	*	2437	111.68	-	-	95.71	27.6	18.17	29.8	322	4	P	V
	*	2437	103.64	-	-	87.67	27.6	18.17	29.8	322	4	A	V
		2499.37	56.95	-17.05	74	41.01	27.5	18.27	29.83	322	4	P	V
		2486.91	45.34	-8.66	54	29.38	27.53	18.25	29.82	322	4	A	V

802.11g CH 11 2462MHz	*	2462	108.23	-	-	92.25	27.58	18.21	29.81	100	267	P	H
	*	2462	100.59	-	-	84.61	27.58	18.21	29.81	100	267	A	H
		2484.2	60.94	-13.06	74	44.99	27.53	18.24	29.82	100	267	P	H
		2483.52	49.83	-4.17	54	33.88	27.53	18.24	29.82	100	267	A	H
													H
													H
	*	2462	106.59	-	-	90.61	27.58	18.21	29.81	399	358	P	V
	*	2462	98.97	-	-	82.99	27.58	18.21	29.81	399	358	A	V
		2484.64	65.39	-8.61	74	49.43	27.53	18.25	29.82	399	358	P	V
		2483.52	52.49	-1.51	54	36.54	27.53	18.24	29.82	399	358	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI ANT 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	39.69	-34.31	74	55.2	31.15	12.43	59.09	100	0	P	H
													H
													H
													H
		4824	40.81	-33.19	74	56.32	31.15	12.43	59.09	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	39.66	-34.34	74	55.2	31.1	12.48	59.12	100	0	P	H
		7311	45.96	-28.04	74	52.4	36.44	15.68	58.56	100	0	P	H
													H
													H
		4874	39.77	-34.23	74	55.31	31.1	12.48	59.12	100	0	P	V
		7311	45.14	-28.86	74	51.58	36.44	15.68	58.56	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	40.49	-33.51	74	56.02	31.1	12.52	59.15	100	0	P	H
		7386	45.53	-28.47	74	51.8	36.53	15.66	58.46	100	0	P	H
													H
													H
		4924	39.72	-34.28	74	55.25	31.1	12.52	59.15	100	0	P	V
		7386	44.87	-29.13	74	51.14	36.53	15.66	58.46	100	0	P	V
													V
													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	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)
		2388.855	62.55	-11.45	74	46.6	27.64	18.09	29.78	142	82	P	H
		2390	52.6	-1.4	54	36.65	27.64	18.09	29.78	142	82	A	H
	*	2412	110.41	-	-	94.47	27.6	18.13	29.79	142	82	P	H
	*	2412	102.5	-	-	86.56	27.6	18.13	29.79	142	82	A	H
802.11n													H
HT20													H
CH 01		2389.905	62.58	-11.42	74	46.63	27.64	18.09	29.78	257	27	P	V
2412MHz		2390	51.28	-2.72	54	35.33	27.64	18.09	29.78	257	27	A	V
	*	2412	106.3	-	-	90.36	27.6	18.13	29.79	257	27	P	V
	*	2412	98.38	-	-	82.44	27.6	18.13	29.79	257	27	A	V
													V
													V
		2388.12	58.68	-15.32	74	42.72	27.65	18.09	29.78	118	82	P	H
		2389.8	47.77	-6.23	54	31.82	27.64	18.09	29.78	118	82	A	H
	*	2437	112.45	-	-	96.48	27.6	18.17	29.8	118	82	P	H
	*	2437	104.99	-	-	89.02	27.6	18.17	29.8	118	82	A	H
802.11n		2486.28	57.13	-16.87	74	41.17	27.53	18.25	29.82	118	82	P	H
HT20		2485.58	47.27	-6.73	54	31.31	27.53	18.25	29.82	118	82	A	H
CH 06		2386.44	57.38	-16.62	74	41.42	27.65	18.09	29.78	252	25	P	V
2437MHz		2389.1	46.52	-7.48	54	30.57	27.64	18.09	29.78	252	25	A	V
	*	2437	108.66	-	-	92.69	27.6	18.17	29.8	252	25	P	V
	*	2437	101.1	-	-	85.13	27.6	18.17	29.8	252	25	A	V
		2497.69	56.29	-17.71	74	40.35	27.5	18.27	29.83	252	25	P	V
		2486.84	46.2	-7.8	54	30.24	27.53	18.25	29.82	252	25	A	V

	*	2462	108.36	-	-	92.38	27.58	18.21	29.81	111	78	P	H
	*	2462	100.45	-	-	84.47	27.58	18.21	29.81	111	78	A	H
		2484.8	62.52	-11.48	74	46.56	27.53	18.25	29.82	111	78	P	H
		2483.52	52.88	-1.12	54	36.93	27.53	18.24	29.82	111	78	A	H
802.11n													H
HT20													H
CH 11	*	2462	102.72	-	-	86.74	27.58	18.21	29.81	248	24	P	V
2462MHz	*	2462	95.29	-	-	79.31	27.58	18.21	29.81	248	24	A	V
		2484.28	60.01	-13.99	74	44.06	27.53	18.24	29.82	248	24	P	V
		2483.52	49.16	-4.84	54	33.21	27.53	18.24	29.82	248	24	A	V
													V
													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	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)
		4824	39.48	-34.52	74	54.99	31.15	12.43	59.09	100	0	P	H
													H
802.11n													H
HT20													H
CH 01		4824	39.1	-34.9	74	54.61	31.15	12.43	59.09	100	0	P	V
2412MHz													V
													V
													V
		4874	39.23	-34.77	74	54.77	31.1	12.48	59.12	100	0	P	H
		7311	46.25	-27.75	74	52.69	36.44	15.68	58.56	100	0	P	H
802.11n													H
HT20													H
CH 06		4874	40.34	-33.66	74	55.88	31.1	12.48	59.12	100	0	P	V
2437MHz		7311	44.97	-29.03	74	51.41	36.44	15.68	58.56	100	0	P	V
													V
													V
		4924	40.39	-33.61	74	55.92	31.1	12.52	59.15	100	0	P	H
		7386	45.65	-28.35	74	51.92	36.53	15.66	58.46	100	0	P	H
802.11n													H
HT20													H
CH 11		4924	39.83	-34.17	74	55.36	31.1	12.52	59.15	100	0	P	V
2462MHz		7386	45.14	-28.86	74	51.41	36.53	15.66	58.46	100	0	P	V
													V
													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	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 HT40 CH 03 2422MHz		2388.68	60.67	-13.33	74	44.71	27.65	18.09	29.78	105	81	P	H
		2389.38	52.3	-1.7	54	36.35	27.64	18.09	29.78	105	81	A	H
	*	2422	102.86	-	-	86.91	27.6	18.15	29.8	105	81	P	H
	*	2422	95.28	-	-	79.33	27.6	18.15	29.8	105	81	A	H
		2497.34	56.21	-17.79	74	40.26	27.51	18.27	29.83	105	81	P	H
		2490.2	47.18	-6.82	54	31.24	27.52	18.25	29.83	105	81	A	H
		2389.8	58.56	-15.44	74	42.61	27.64	18.09	29.78	371	34	P	V
		2389.8	50.51	-3.49	54	34.56	27.64	18.09	29.78	371	34	A	V
	*	2422	101.38	-	-	85.43	27.6	18.15	29.8	371	34	P	V
	*	2422	93.87	-	-	77.92	27.6	18.15	29.8	371	34	A	V
		2490.69	56.57	-17.43	74	40.62	27.52	18.26	29.83	371	34	P	V
		2487.05	47.07	-6.93	54	31.11	27.53	18.25	29.82	371	34	A	V
802.11n HT40 CH 06 2437MHz		2388.4	59.92	-14.08	74	43.96	27.65	18.09	29.78	160	13	P	H
		2389.94	50.45	-3.55	54	34.5	27.64	18.09	29.78	160	13	A	H
	*	2437	107.89	-	-	91.92	27.6	18.17	29.8	160	13	P	H
	*	2437	99.79	-	-	83.82	27.6	18.17	29.8	160	13	A	H
		2483.83	61.88	-12.12	74	45.93	27.53	18.24	29.82	160	13	P	H
		2483.69	52.33	-1.67	54	36.38	27.53	18.24	29.82	160	13	A	H
		2388.96	57.43	-16.57	74	41.48	27.64	18.09	29.78	361	7	P	V
		2389.94	49.1	-4.9	54	33.15	27.64	18.09	29.78	361	7	A	V
	*	2437	104.86	-	-	88.89	27.6	18.17	29.8	361	7	P	V
	*	2437	97.4	-	-	81.43	27.6	18.17	29.8	361	7	A	V
		2485.86	59.4	-14.6	74	43.44	27.53	18.25	29.82	361	7	P	V
		2483.83	49.86	-4.14	54	33.91	27.53	18.24	29.82	361	7	A	V

		2312.24	57.05	-16.95	74	40.88	27.95	17.97	29.75	164	326	P	H
		2388.12	47.14	-6.86	54	31.18	27.65	18.09	29.78	164	326	A	H
		2452	105.87	31.87	74	89.89	27.6	18.19	29.81	164	326	P	H
		2452	98.11	44.11	54	82.13	27.6	18.19	29.81	164	326	A	H
802.11n		2485.86	61.64	-12.36	74	45.68	27.53	18.25	29.82	164	326	P	H
HT40		2484.04	52.75	-1.25	54	36.8	27.53	18.24	29.82	164	326	A	H
CH 09		2318.4	56.52	-17.48	74	40.36	27.93	17.98	29.75	400	40	P	V
2452MHz		2356.48	46.68	-7.32	54	30.64	27.77	18.04	29.77	400	40	A	V
		2452	103.84	29.84	74	87.86	27.6	18.19	29.81	400	40	P	V
		2452	96.11	42.11	54	80.13	27.6	18.19	29.81	400	40	A	V
		2487.19	59.63	-14.37	74	43.67	27.53	18.25	29.82	400	40	P	V
		2483.5	50.95	-3.05	54	35	27.53	18.24	29.82	400	40	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	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)
		4844	39.51	-34.49	74	54.99	31.19	12.44	59.11	100	0	P	H
		7266	44.9	-29.1	74	51.52	36.33	15.68	58.63	100	0	P	H
802.11n													H
HT40													H
CH 03		4844	39.74	-34.26	74	55.22	31.19	12.44	59.11	100	0	P	V
2422MHz		7266	45.19	-28.81	74	51.81	36.33	15.68	58.63	100	0	P	V
													V
													V
		4874	39.35	-34.65	74	54.87	31.1	12.5	59.12	100	0	P	H
		7311	44.98	-29.02	74	51.5	36.44	15.6	58.56	100	0	P	H
802.11n													H
HT40													H
CH 06		4874	39.24	-34.76	74	54.76	31.1	12.5	59.12	100	0	P	V
2437MHz		7311	45.34	-28.66	74	51.86	36.44	15.6	58.56	100	0	P	V
													V
													V
		4904	38.68	-35.32	74	54.28	31.02	12.52	59.14	100	0	P	H
		7356	45.7	-28.3	74	52.02	36.59	15.59	58.5	100	0	P	H
802.11n													H
HT40													H
CH 09		4904	39.23	-34.77	74	54.83	31.02	12.52	59.14	100	0	P	V
2452MHz		7356	45.76	-28.24	74	52.08	36.59	15.59	58.5	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Emission above 18GHz

2.4GHz WIFI 802.11n HT20 (SHF)

WIFI ANT 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		18252	39.74	-34.26	74	45.71	37.35	10.93	54.25	150	0	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
2.4GHz													H
802.11n													H
HT20		23859	41.03	-32.97	74	41.13	40.2	13	53.3	150	0	P	V
SHF													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		148.34	34.31	-9.19	43.5	47.4	17.04	2.15	32.28	100	0	P	H
		259.89	24.15	-21.85	46	33.58	20.08	2.83	32.34	-	-	P	H
		419.94	24.45	-21.55	46	30.45	22.67	3.51	32.18	-	-	P	H
		485.9	26.6	-19.4	46	31.28	23.72	3.71	32.11	-	-	P	H
		652.74	29.2	-16.8	46	30.53	26.34	4.37	32.04	-	-	P	H
		864.2	32.52	-13.48	46	30.52	29.03	5.05	32.08	-	-	P	H
													H
													H
													H
													H
2.4GHz													H
802.11n													H
HT20		54.25	33.59	-6.41	40	52.23	12.51	1.26	32.41	100	0	P	V
LF		148.34	27.44	-16.06	43.5	40.53	17.04	2.15	32.28	-	-	P	V
		325.85	20.09	-25.91	46	29.73	19.57	3.11	32.32	-	-	P	V
		469.41	26.44	-19.56	46	31.4	23.5	3.66	32.12	-	-	P	V
		565.44	27.84	-18.16	46	29.63	26.11	4.08	31.98	-	-	P	V
		758.47	30.88	-15.12	46	30.33	28.09	4.74	32.28	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2388.96	58.24	-15.76	74	42.29	27.64	18.09	29.78	153	345	P	H
		2388.96	49.94	-4.06	54	33.99	27.64	18.09	29.78	153	345	A	H
	*	2412	113.19	-	-	97.25	27.6	18.13	29.79	153	345	P	H
	*	2412	109.89	-	-	93.95	27.6	18.13	29.79	153	345	A	H
													H
													H
		2389.065	58.55	-15.45	74	42.6	27.64	18.09	29.78	335	278	P	V
		2388.96	48.62	-5.38	54	32.67	27.64	18.09	29.78	335	278	A	V
	*	2412	110.4	-	-	94.46	27.6	18.13	29.79	335	278	P	V
	*	2412	107.07	-	-	91.13	27.6	18.13	29.79	335	278	A	V
													V
													V
802.11b CH 06 2437MHz		2322.18	56.81	-17.19	74	40.68	27.91	17.98	29.76	160	338	P	H
		2389.94	45.04	-8.96	54	29.09	27.64	18.09	29.78	160	338	A	H
	*	2437	112.44	-	-	96.47	27.6	18.17	29.8	160	338	P	H
	*	2437	109.17	-	-	93.2	27.6	18.17	29.8	160	338	A	H
		2484.39	56.52	-17.48	74	40.56	27.53	18.25	29.82	160	338	P	H
		2484.04	45.12	-8.88	54	29.17	27.53	18.24	29.82	160	338	A	H
		2358.58	57.36	-16.64	74	41.32	27.77	18.04	29.77	357	273	P	V
		2389.94	44.68	-9.32	54	28.73	27.64	18.09	29.78	357	273	A	V
	*	2437	109.88	-	-	93.91	27.6	18.17	29.8	357	273	P	V
	*	2437	106.55	-	-	90.58	27.6	18.17	29.8	357	273	A	V
		2497.34	56.85	-17.15	74	40.9	27.51	18.27	29.83	357	273	P	V
		2484.11	44.82	-9.18	54	28.87	27.53	18.24	29.82	357	273	A	V

802.11b CH 11 2462MHz	*	2462	112.78	-	-	96.8	27.58	18.21	29.81	153	339	P	H
	*	2462	109.6	-	-	93.62	27.58	18.21	29.81	153	339	A	H
		2486.48	58.39	-15.61	74	42.43	27.53	18.25	29.82	153	339	P	H
		2483.52	50.96	-3.04	54	35.01	27.53	18.24	29.82	153	339	A	H
													H
													H
	*	2462	110.23	-	-	94.25	27.58	18.21	29.81	351	246	P	V
	*	2462	106.98	-	-	91	27.58	18.21	29.81	351	246	A	V
		2485.48	57.36	-16.64	74	41.4	27.53	18.25	29.82	351	246	P	V
		2483.52	48.48	-5.52	54	32.53	27.53	18.24	29.82	351	246	A	V
													V
													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 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	42.32	-31.68	74	57.81	31.15	12.45	59.09	100	0	P	H
													H
													H
													H
		4824	40.88	-33.12	74	56.37	31.15	12.45	59.09	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	40.37	-33.63	74	55.89	31.1	12.5	59.12	100	0	P	H
		7311	44.99	-29.01	74	51.51	36.44	15.6	58.56	100	0	P	H
													H
													H
		4874	40.53	-33.47	74	56.05	31.1	12.5	59.12	100	0	P	V
		7311	44.72	-29.28	74	51.24	36.44	15.6	58.56	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	42.34	-31.66	74	57.86	31.1	12.53	59.15	100	0	P	H
		7386	45.25	-28.75	74	51.58	36.53	15.6	58.46	100	0	P	H
													H
													H
		4924	41.26	-32.74	74	56.78	31.1	12.53	59.15	100	0	P	V
		7386	45.69	-28.31	74	52.02	36.53	15.6	58.46	100	0	P	V
													V
													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 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		2389.8	63.6	-10.4	74	47.65	27.64	18.09	29.78	154	327	P	H
		2390	52.72	-1.28	54	36.77	27.64	18.09	29.78	154	327	A	H
	*	2412	111.62	-	-	95.68	27.6	18.13	29.79	154	327	P	H
	*	2412	103.56	-	-	87.62	27.6	18.13	29.79	154	327	A	H
													H
													H
		2389.695	61.24	-12.76	74	45.29	27.64	18.09	29.78	330	253	P	V
		2390	50.36	-3.64	54	34.41	27.64	18.09	29.78	330	253	A	V
	*	2412	108.23	-	-	92.29	27.6	18.13	29.79	330	253	P	V
	*	2412	100.61	-	-	84.67	27.6	18.13	29.79	330	253	A	V
													V
													V
802.11g CH 06 2437MHz		2388.96	57.24	-16.76	74	41.29	27.64	18.09	29.78	162	338	P	H
		2389.94	47.16	-6.84	54	31.21	27.64	18.09	29.78	162	338	A	H
	*	2437	114.62	-	-	98.65	27.6	18.17	29.8	162	338	P	H
	*	2437	107.03	-	-	91.06	27.6	18.17	29.8	162	338	A	H
		2486.56	58.68	-15.32	74	42.72	27.53	18.25	29.82	162	338	P	H
		2483.5	46.62	-7.38	54	30.67	27.53	18.24	29.82	162	338	A	H
		2386.86	56.6	-17.4	74	40.64	27.65	18.09	29.78	356	256	P	V
		2389.94	45.58	-8.42	54	29.63	27.64	18.09	29.78	356	256	A	V
	*	2437	112.07	-	-	96.1	27.6	18.17	29.8	356	256	P	V
	*	2437	104.41	-	-	88.44	27.6	18.17	29.8	356	256	A	V
		2486.63	57.74	-16.26	74	41.78	27.53	18.25	29.82	356	256	P	V
		2483.5	45.37	-8.63	54	29.42	27.53	18.24	29.82	356	256	A	V

802.11g CH 11 2462MHz	*	2462	111.24	-	-	95.26	27.58	18.21	29.81	157	336	P	H
	*	2462	103.68	-	-	87.7	27.58	18.21	29.81	157	336	A	H
		2484.36	61.8	-12.2	74	45.85	27.53	18.24	29.82	157	336	P	H
		2483.52	51.34	-2.66	54	35.39	27.53	18.24	29.82	157	336	A	H
													H
													H
	*	2462	109.19	-	-	93.21	27.58	18.21	29.81	350	255	P	V
	*	2462	101.26	-	-	85.28	27.58	18.21	29.81	350	255	A	V
		2487.6	58.92	-15.08	74	42.97	27.52	18.25	29.82	350	255	P	V
		2483.52	48.65	-5.35	54	32.7	27.53	18.24	29.82	350	255	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI ANT 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	40.19	-33.81	74	55.68	31.15	12.45	59.09	100	0	P	H
													H
													H
													H
		4824	40.36	-33.64	74	55.85	31.15	12.45	59.09	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	39.9	-34.1	74	55.42	31.1	12.5	59.12	100	0	P	H
		7311	45.14	-28.86	74	51.66	36.44	15.6	58.56	100	0	P	H
													H
													H
		4874	39.32	-34.68	74	54.84	31.1	12.5	59.12	100	0	P	V
		7311	45.1	-28.9	74	51.62	36.44	15.6	58.56	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	40.04	-33.96	74	55.56	31.1	12.53	59.15	100	0	P	H
		7386	45.5	-28.5	74	51.83	36.53	15.6	58.46	100	0	P	H
													H
													H
		4924	41.29	-32.71	74	56.81	31.1	12.53	59.15	100	0	P	V
		7386	45.59	-28.41	74	51.92	36.53	15.6	58.46	100	0	P	V
													V
													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 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)
		2389.8	62.56	-11.44	74	46.61	27.64	18.09	29.78	155	329	P	H
		2390	52.73	-1.27	54	36.78	27.64	18.09	29.78	155	329	A	H
	*	2412	109.32	-	-	93.38	27.6	18.13	29.79	155	329	P	H
	*	2412	101.45	-	-	85.51	27.6	18.13	29.79	155	329	A	H
802.11n													H
HT20													H
CH 01		2390	61.3	-12.7	74	45.35	27.64	18.09	29.78	366	276	P	V
2412MHz		2389.905	50.45	-3.55	54	34.5	27.64	18.09	29.78	366	276	A	V
	*	2412	105.68	-	-	89.74	27.6	18.13	29.79	366	276	P	V
	*	2412	98.22	-	-	82.28	27.6	18.13	29.79	366	276	A	V
													V
													V
		2389.1	58.15	-15.85	74	42.2	27.64	18.09	29.78	161	341	P	H
		2389.94	48.06	-5.94	54	32.11	27.64	18.09	29.78	161	341	A	H
	*	2437	114.3	-	-	98.33	27.6	18.17	29.8	161	341	P	H
	*	2437	106.34	-	-	90.37	27.6	18.17	29.8	161	341	A	H
802.11n		2485.72	57.23	-16.77	74	41.27	27.53	18.25	29.82	161	341	P	H
HT20		2483.69	47.55	-6.45	54	31.6	27.53	18.24	29.82	161	341	A	H
CH 06		2384.34	57.17	-16.83	74	41.21	27.66	18.08	29.78	358	272	P	V
2437MHz		2389.8	46.39	-7.61	54	30.44	27.64	18.09	29.78	358	272	A	V
	*	2437	111.67	-	-	95.7	27.6	18.17	29.8	358	272	P	V
	*	2437	103.99	-	-	88.02	27.6	18.17	29.8	358	272	A	V
		2489.15	57.12	-16.88	74	41.18	27.52	18.25	29.83	358	272	P	V
		2486.07	46.37	-7.63	54	30.41	27.53	18.25	29.82	358	272	A	V

	*	2462	111.16	-	-	95.18	27.58	18.21	29.81	132	331	P	H
	*	2462	103.29	-	-	87.31	27.58	18.21	29.81	132	331	A	H
		2484.84	61.39	-12.61	74	45.43	27.53	18.25	29.82	132	331	P	H
		2483.72	52.16	-1.84	54	36.21	27.53	18.24	29.82	132	331	A	H
802.11n													H
HT20													H
CH 11	*	2462	109.33	-	-	93.35	27.58	18.21	29.81	348	273	P	V
2462MHz	*	2462	101.42	-	-	85.44	27.58	18.21	29.81	348	273	A	V
		2483.52	59.16	-14.84	74	43.21	27.53	18.24	29.82	348	273	P	V
		2483.52	49.69	-4.31	54	33.74	27.53	18.24	29.82	348	273	A	V
													V
													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 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)
		4824	39.83	-34.17	74	55.34	31.15	12.43	59.09	100	0	P	H
													H
802.11n													H
HT20													H
CH 01		4824	39.71	-34.29	74	55.22	31.15	12.43	59.09	100	0	P	V
2412MHz													V
													V
													V
		4874	40.31	-33.69	74	55.85	31.1	12.48	59.12	100	0	P	H
		7311	45.59	-28.41	74	52.03	36.44	15.68	58.56	100	0	P	H
802.11n													H
HT20													H
CH 06		4874	39.68	-34.32	74	55.22	31.1	12.48	59.12	100	0	P	V
2437MHz		7311	45.69	-28.31	74	52.13	36.44	15.68	58.56	100	0	P	V
													V
													V
		4924	40.44	-33.56	74	55.97	31.1	12.52	59.15	100	0	P	H
		7386	44.86	-29.14	74	51.13	36.53	15.66	58.46	100	0	P	H
802.11n													H
HT20													H
CH 11		4924	39.98	-34.02	74	55.51	31.1	12.52	59.15	100	0	P	V
2462MHz		7386	45.86	-28.14	74	52.13	36.53	15.66	58.46	100	0	P	V
													V
													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 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 HT40 CH 03 2422MHz		2389.94	59.77	-14.23	74	43.82	27.64	18.09	29.78	158	339	P	H
		2389.94	52.24	-1.76	54	36.29	27.64	18.09	29.78	158	339	A	H
	*	2422	104.11	-	-	88.16	27.6	18.15	29.8	158	339	P	H
	*	2422	96.12	-	-	80.17	27.6	18.15	29.8	158	339	A	H
		2490.55	56.77	-17.23	74	40.83	27.52	18.25	29.83	158	339	P	H
		2485.65	47.54	-6.46	54	31.58	27.53	18.25	29.82	158	339	A	H
		2389.24	57.34	-16.66	74	41.39	27.64	18.09	29.78	292	259	P	V
		2389.52	49.46	-4.54	54	33.51	27.64	18.09	29.78	292	259	A	V
	*	2422	101.46	-	-	85.51	27.6	18.15	29.8	292	259	P	V
	*	2422	93.67	-	-	77.72	27.6	18.15	29.8	292	259	A	V
		2486	56.67	-17.33	74	40.71	27.53	18.25	29.82	292	259	P	V
		2483.9	47.17	-6.83	54	31.22	27.53	18.24	29.82	292	259	A	V
802.11n HT40 CH 06 2437MHz		2389.8	60.97	-13.03	74	45.02	27.64	18.09	29.78	163	340	P	H
		2389.8	52.28	-1.72	54	36.33	27.64	18.09	29.78	163	340	A	H
	*	2437	110.08	-	-	94.11	27.6	18.17	29.8	163	340	P	H
	*	2437	101.71	-	-	85.74	27.6	18.17	29.8	163	340	A	H
		2484.67	60.36	-13.64	74	44.4	27.53	18.25	29.82	163	340	P	H
		2483.62	51.6	-2.4	54	35.65	27.53	18.24	29.82	163	340	A	H
		2389.8	58.13	-15.87	74	42.18	27.64	18.09	29.78	287	256	P	V
		2389.52	49.06	-4.94	54	33.11	27.64	18.09	29.78	287	256	A	V
	*	2437	107.04	-	-	91.07	27.6	18.17	29.8	287	256	P	V
	*	2437	98.91	-	-	82.94	27.6	18.17	29.8	287	256	A	V
		2484.32	58.4	-15.6	74	42.45	27.53	18.24	29.82	287	256	P	V
		2483.5	49.27	-4.73	54	33.32	27.53	18.24	29.82	287	256	A	V

		2389.24	57.44	-16.56	74	41.49	27.64	18.09	29.78	161	338	P	H
		2389.94	47.94	-6.06	54	31.99	27.64	18.09	29.78	161	338	A	H
	*	2452	108.23	-	-	92.25	27.6	18.19	29.81	161	338	P	H
	*	2452	100.18	-	-	84.2	27.6	18.19	29.81	161	338	A	H
802.11n		2483.9	60.86	-13.14	74	44.91	27.53	18.24	29.82	161	338	P	H
HT40		2483.5	52.09	-1.91	54	36.14	27.53	18.24	29.82	161	338	A	H
CH 09		2313.36	56.53	-17.47	74	40.36	27.95	17.97	29.75	284	267	P	V
2452MHz		2382.38	46.88	-7.12	54	30.91	27.67	18.08	29.78	284	267	A	V
	*	2452	104.68	-	-	88.7	27.6	18.19	29.81	284	267	P	V
	*	2452	96.88	-	-	80.9	27.6	18.19	29.81	284	267	A	V
		2484.32	58.96	-15.04	74	43.01	27.53	18.24	29.82	284	267	P	V
		2484.32	50.16	-3.84	54	34.21	27.53	18.24	29.82	284	267	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 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)
		4844	39.65	-34.35	74	55.13	31.19	12.44	59.11	100	0	P	H
		7266	45	-29	74	51.62	36.33	15.68	58.63	100	0	P	H
802.11n													H
HT40													H
CH 03		4844	39.9	-34.1	74	55.38	31.19	12.44	59.11	100	0	P	V
2422MHz		7266	44.86	-29.14	74	51.48	36.33	15.68	58.63	100	0	P	V
													V
													V
		4874	39.48	-34.52	74	55.02	31.1	12.48	59.12	100	0	P	H
		7311	44.48	-29.52	74	50.92	36.44	15.68	58.56	100	0	P	H
802.11n													H
HT40													H
CH 06		4874	40.38	-33.62	74	55.92	31.1	12.48	59.12	100	0	P	V
2437MHz		7311	44.84	-29.16	74	51.28	36.44	15.68	58.56	100	0	P	V
													V
													V
		4904	41.32	-32.68	74	56.94	31.02	12.5	59.14	100	0	P	H
		7356	45.41	-28.59	74	51.66	36.59	15.66	58.5	100	0	P	H
802.11n													H
HT40													H
CH 09		4904	39.8	-34.2	74	55.42	31.02	12.5	59.14	100	0	P	V
2452MHz		7356	45.7	-28.3	74	51.95	36.59	15.66	58.5	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
ANT				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		148.34	33.14	-10.36	43.5	46.23	17.04	2.15	32.28	-	-	P	H
		259.89	23.33	-22.67	46	32.76	20.08	2.83	32.34	-	-	P	H
		369.5	22.41	-23.59	46	30.54	20.84	3.28	32.25	-	-	P	H
		526.64	25.71	-20.29	46	29.87	23.99	3.89	32.04	-	-	P	H
		650.8	28.72	-17.28	46	30.04	26.36	4.36	32.04	-	-	P	H
		779.81	37.51	-8.49	46	36.87	28.16	4.81	32.33	100	0	P	H
													H
													H
													H
													H
2.4GHz													H
802.11n													H
HT20		53.28	33.13	-6.87	40	51.49	12.82	1.24	32.42	100	0	P	V
LF		148.34	27.38	-16.12	43.5	40.47	17.04	2.15	32.28	-	-	P	V
		343.31	22.13	-23.87	46	31.07	20.19	3.16	32.29	-	-	P	V
		478.14	25.97	-20.03	46	30.75	23.64	3.69	32.11	-	-	P	V
		557.68	27.45	-18.55	46	29.35	26.05	4.04	31.99	-	-	P	V
		746.83	33.56	-12.44	46	33.01	28.1	4.7	32.25	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

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		2389.8	56.79	-17.21	74	40.84	27.64	18.09	29.78	178	58	P	H
		2385.39	46.01	-7.99	54	30.04	27.66	18.09	29.78	178	58	A	H
	*	2414	111.83	-	-	95.89	27.6	18.13	29.79	178	58	P	H
	*	2414	108.75	-	-	92.81	27.6	18.13	29.79	178	58	A	H
													H
													H
		2388.015	59.44	-14.56	74	43.48	27.65	18.09	29.78	308	261	P	V
		2387.28	52.64	-1.36	54	36.68	27.65	18.09	29.78	308	261	A	V
	*	2412	109.16	-	-	93.22	27.6	18.13	29.79	308	261	P	V
	*	2412	105.77	-	-	89.83	27.6	18.13	29.79	308	261	A	V
													V
													V
802.11b CH 06 2437MHz		2362.64	57.14	-16.86	74	41.11	27.75	18.05	29.77	259	67	P	H
		2389.94	44.71	-9.29	54	28.76	27.64	18.09	29.78	259	67	A	H
	*	2437	112.68	-	-	96.71	27.6	18.17	29.8	259	67	P	H
	*	2437	109.72	-	-	93.75	27.6	18.17	29.8	259	67	A	H
		2497.41	57.2	-16.8	74	41.25	27.51	18.27	29.83	259	67	P	H
		2483.69	44.87	-9.13	54	28.92	27.53	18.24	29.82	259	67	A	H
		2310.42	57.5	-16.5	74	41.33	27.96	17.96	29.75	118	281	P	V
		2389.94	45.05	-8.95	54	29.1	27.64	18.09	29.78	118	281	A	V
	*	2437	114.75	-	-	98.78	27.6	18.17	29.8	118	281	P	V
	*	2437	111.6	-	-	95.63	27.6	18.17	29.8	118	281	A	V
		2483.69	56.86	-17.14	74	40.91	27.53	18.24	29.82	118	281	P	V
		2485.58	44.98	-9.02	54	29.02	27.53	18.25	29.82	118	281	A	V

802.11b CH 11 2462MHz	*	2462	112.35	-	-	96.37	27.58	18.21	29.81	294	57	P	H
	*	2462	109.09	-	-	93.11	27.58	18.21	29.81	294	57	A	H
		2486.4	58.71	-15.29	74	42.75	27.53	18.25	29.82	294	57	P	H
		2486.56	49.88	-4.12	54	33.92	27.53	18.25	29.82	294	57	A	H
													H
													H
	*	2462	114.71	-	-	98.73	27.58	18.21	29.81	105	300	P	V
	*	2462	111.6	-	-	95.62	27.58	18.21	29.81	105	300	A	V
		2487.08	59.5	-14.5	74	43.54	27.53	18.25	29.82	105	300	P	V
		2486.32	51.53	-2.47	54	35.57	27.53	18.25	29.82	105	300	A	V
													V
													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	41.82	-32.18	74	57.33	31.15	12.43	59.09	100	0	P	H
													H
													H
													H
		4824	45.96	-28.04	74	61.47	31.15	12.43	59.09	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	47.48	-26.52	74	63.02	31.1	12.48	59.12	100	0	P	H
		7311	47.75	-26.25	74	54.19	36.44	15.68	58.56	100	0	P	H
													H
													H
		4874	45.16	-28.84	74	60.7	31.1	12.48	59.12	100	0	P	V
		7311	46.29	-27.71	74	52.73	36.44	15.68	58.56	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	45.45	-28.55	74	60.98	31.1	12.52	59.15	100	0	P	H
		7386	46.53	-27.47	74	52.8	36.53	15.66	58.46	100	0	P	H
													H
													H
		4924	46.54	-27.46	74	62.07	31.1	12.52	59.15	100	0	P	V
		7386	46.56	-27.44	74	52.83	36.53	15.66	58.46	100	0	P	V
													V
													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		2390	62.87	-11.13	74	46.92	27.64	18.09	29.78	112	56	P	H
		2390	50.84	-3.16	54	34.89	27.64	18.09	29.78	112	56	A	H
	*	2412	110.15	-	-	94.21	27.6	18.13	29.79	112	56	P	H
	*	2412	103	-	-	87.06	27.6	18.13	29.79	112	56	A	H
													H
													H
		2388.855	63.73	-10.27	74	47.78	27.64	18.09	29.78	100	296	P	V
		2389.695	52.62	-1.38	54	36.67	27.64	18.09	29.78	100	296	A	V
	*	2412	113.59	-	-	97.65	27.6	18.13	29.79	100	296	P	V
	*	2412	105.71	-	-	89.77	27.6	18.13	29.79	100	296	A	V
													V
													V
802.11g CH 06 2437MHz		2326.8	57.05	-16.95	74	40.93	27.89	17.99	29.76	100	64	P	H
		2389.52	46.14	-7.86	54	30.19	27.64	18.09	29.78	100	64	A	H
	*	2437	114.85	-	-	98.88	27.6	18.17	29.8	100	64	P	H
	*	2437	107.85	-	-	91.88	27.6	18.17	29.8	100	64	A	H
		2483.55	57.81	-16.19	74	41.86	27.53	18.24	29.82	100	64	P	H
		2484.74	46.19	-7.81	54	30.23	27.53	18.25	29.82	100	64	A	H
		2385.6	57.26	-16.74	74	41.29	27.66	18.09	29.78	157	269	P	V
		2389.94	46.91	-7.09	54	30.96	27.64	18.09	29.78	157	269	A	V
	*	2437	117.49	-	-	101.52	27.6	18.17	29.8	157	269	P	V
	*	2437	109.99	-	-	94.02	27.6	18.17	29.8	157	269	A	V
		2483.62	57.38	-16.62	74	41.43	27.53	18.24	29.82	157	269	P	V
		2483.5	47.16	-6.84	54	31.21	27.53	18.24	29.82	157	269	A	V

802.11g CH 11 2462MHz	*	2462	108.75	-	-	92.77	27.58	18.21	29.81	100	55	P	H
	*	2462	101.07	-	-	85.09	27.58	18.21	29.81	100	55	A	H
		2484.52	62.52	-11.48	74	46.56	27.53	18.25	29.82	100	55	P	H
		2483.84	49.64	-4.36	54	33.69	27.53	18.24	29.82	100	55	A	H
													H
													H
	*	2462	113.11	-	-	97.13	27.58	18.21	29.81	112	305	P	V
	*	2462	104.9	-	-	88.92	27.58	18.21	29.81	112	305	A	V
		2483.52	63.1	-10.9	74	47.15	27.53	18.24	29.82	112	305	P	V
		2483.52	52.43	-1.57	54	36.48	27.53	18.24	29.82	112	305	A	V
													V
													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	40.31	-33.69	74	55.82	31.15	12.43	59.09	100	0	P	H
													H
													H
													H
		4824	40.82	-33.18	74	56.33	31.15	12.43	59.09	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	40.75	-33.25	74	56.29	31.1	12.48	59.12	100	0	P	H
		7311	45.85	-28.15	74	52.29	36.44	15.68	58.56	100	0	P	H
													H
													H
		4874	43.03	-30.97	74	58.57	31.1	12.48	59.12	100	0	P	V
		7311	45.28	-28.72	74	51.72	36.44	15.68	58.56	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	39.48	-34.52	74	55.01	31.1	12.52	59.15	100	0	P	H
		7386	45.55	-28.45	74	51.82	36.53	15.66	58.46	100	0	P	H
													H
													H
		4924	40.34	-33.66	74	55.87	31.1	12.52	59.15	100	0	P	V
		7386	44.74	-29.26	74	51.01	36.53	15.66	58.46	100	0	P	V
													V
													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)
		2390	60.48	-13.52	74	44.53	27.64	18.09	29.78	299	68	P	H
		2390	51.53	-2.47	54	35.58	27.64	18.09	29.78	299	68	A	H
	*	2412	108.71	-	-	92.77	27.6	18.13	29.79	299	68	P	H
	*	2412	101.03	-	-	85.09	27.6	18.13	29.79	299	68	A	H
802.11n													H
HT20													H
CH 01		2389.905	63.68	-10.32	74	47.73	27.64	18.09	29.78	229	281	P	V
2412MHz		2390	52.42	-1.58	54	36.47	27.64	18.09	29.78	229	281	A	V
	*	2412	109.42	-	-	93.48	27.6	18.13	29.79	229	281	P	V
	*	2412	101.5	-	-	85.56	27.6	18.13	29.79	229	281	A	V
													V
													V
		2383.36	56.82	-17.18	74	40.85	27.67	18.08	29.78	260	67	P	H
		2388.12	46.4	-7.6	54	30.44	27.65	18.09	29.78	260	67	A	H
	*	2437	115.5	-	-	99.53	27.6	18.17	29.8	260	67	P	H
	*	2437	107.64	-	-	91.67	27.6	18.17	29.8	260	67	A	H
802.11n		2484.67	57.92	-16.08	74	41.96	27.53	18.25	29.82	260	67	P	H
HT20		2484.53	47.37	-6.63	54	31.41	27.53	18.25	29.82	260	67	A	H
CH 06		2389.38	57.03	-16.97	74	41.08	27.64	18.09	29.78	116	267	P	V
2437MHz		2389.52	47.87	-6.13	54	31.92	27.64	18.09	29.78	116	267	A	V
	*	2437	117.24	-	-	101.27	27.6	18.17	29.8	116	267	P	V
	*	2437	109.38	-	-	93.41	27.6	18.17	29.8	116	267	A	V
		2483.69	57.8	-16.2	74	41.85	27.53	18.24	29.82	116	267	P	V
		2483.5	48.61	-5.39	54	32.66	27.53	18.24	29.82	116	267	A	V

	*	2462	108	-	-	92.02	27.58	18.21	29.81	123	67	P	H
	*	2462	100.28	-	-	84.3	27.58	18.21	29.81	123	67	A	H
		2484.76	60.97	-13.03	74	45.01	27.53	18.25	29.82	123	67	P	H
		2483.52	51.13	-2.87	54	35.18	27.53	18.24	29.82	123	67	A	H
802.11n													H
HT20													H
CH 11	*	2462	112.15	-	-	96.17	27.58	18.21	29.81	100	268	P	V
2462MHz	*	2462	104.01	-	-	88.03	27.58	18.21	29.81	100	268	A	V
		2484.28	62.2	-11.8	74	46.25	27.53	18.24	29.82	100	268	P	V
		2483.52	52.52	-1.48	54	36.57	27.53	18.24	29.82	100	268	A	V
													V
													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)
		4824	40.31	-33.69	74	55.82	31.15	12.43	59.09	100	0	P	H
													H
802.11n													H
HT20													H
CH 01		4824	40.68	-33.32	74	56.19	31.15	12.43	59.09	100	0	P	V
2412MHz													V
													V
													V
		4874	41.34	-32.66	74	56.88	31.1	12.48	59.12	100	0	P	H
		7311	45.44	-28.56	74	51.88	36.44	15.68	58.56	100	0	P	H
802.11n													H
HT20													H
CH 06		4874	43.56	-30.44	74	59.1	31.1	12.48	59.12	100	0	P	V
2437MHz		7311	46.21	-27.79	74	52.65	36.44	15.68	58.56	100	0	P	V
													V
													V
		4924	40.18	-33.82	74	55.71	31.1	12.52	59.15	100	0	P	H
		7386	45.22	-28.78	74	51.49	36.53	15.66	58.46	100	0	P	H
802.11n													H
HT20													H
CH 11		4924	40.5	-33.5	74	56.03	31.1	12.52	59.15	100	0	P	V
2462MHz		7386	45.56	-28.44	74	51.83	36.53	15.66	58.46	100	0	P	V
													V
													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)
802.11n HT40 CH 03 2422MHz		2389.66	57.03	-16.97	74	41.08	27.64	18.09	29.78	111	59	P	H
		2389.94	48.14	-5.86	54	32.19	27.64	18.09	29.78	111	59	A	H
	*	2422	101.64	-	-	85.69	27.6	18.15	29.8	111	59	P	H
	*	2422	94.43	-	-	78.48	27.6	18.15	29.8	111	59	A	H
		2492.09	57.01	-16.99	74	41.06	27.52	18.26	29.83	111	59	P	H
		2494.05	46.74	-7.26	54	30.8	27.51	18.26	29.83	111	59	A	H
		2388.82	60.42	-13.58	74	44.47	27.64	18.09	29.78	100	264	P	V
		2389.24	52.6	-1.4	54	36.65	27.64	18.09	29.78	100	264	A	V
	*	2422	104.73	-	-	88.78	27.6	18.15	29.8	100	264	P	V
	*	2422	97.41	-	-	81.46	27.6	18.15	29.8	100	264	A	V
		2491.32	56.37	-17.63	74	40.42	27.52	18.26	29.83	100	264	P	V
		2486.63	47.2	-6.8	54	31.24	27.53	18.25	29.82	100	264	A	V
802.11n HT40 CH 06 2437MHz		2389.66	58.97	-15.03	74	43.02	27.64	18.09	29.78	100	66	P	H
		2389.66	49.97	-4.03	54	34.02	27.64	18.09	29.78	100	66	A	H
	*	2437	107.21	-	-	91.24	27.6	18.17	29.8	100	66	P	H
	*	2437	99.49	-	-	83.52	27.6	18.17	29.8	100	66	A	H
		2486.77	57.81	-16.19	74	41.85	27.53	18.25	29.82	100	66	P	H
		2485.65	48.85	-5.15	54	32.89	27.53	18.25	29.82	100	66	A	H
		2389.38	60.01	-13.99	74	44.06	27.64	18.09	29.78	133	268	P	V
		2389.38	51.21	-2.79	54	35.26	27.64	18.09	29.78	133	268	A	V
	*	2437	109.4	-	-	93.43	27.6	18.17	29.8	133	268	P	V
	*	2437	101.93	-	-	85.96	27.6	18.17	29.8	133	268	A	V
		2483.55	60.54	-13.46	74	44.59	27.53	18.24	29.82	133	268	P	V
		2483.5	52.38	-1.62	54	36.43	27.53	18.24	29.82	133	268	A	V

		2385.88	58.01	-15.99	74	42.04	27.66	18.09	29.78	100	64	P	H
		2385.46	46.91	-7.09	54	30.94	27.66	18.09	29.78	100	64	A	H
	*	2452	104.81	-	-	88.83	27.6	18.19	29.81	100	64	P	H
	*	2452	96.87	-	-	80.89	27.6	18.19	29.81	100	64	A	H
802.11n		2484.81	58.16	-15.84	74	42.2	27.53	18.25	29.82	100	64	P	H
HT40		2483.55	49.33	-4.67	54	33.38	27.53	18.24	29.82	100	64	A	H
CH 09		2385.04	57.05	-16.95	74	41.08	27.66	18.09	29.78	108	270	P	V
2452MHz		2389.66	47.07	-6.93	54	31.12	27.64	18.09	29.78	108	270	A	V
	*	2452	108.89	-	-	92.91	27.6	18.19	29.81	108	270	P	V
	*	2452	101.31	-	-	85.33	27.6	18.19	29.81	108	270	A	V
		2487.89	61.32	-12.68	74	45.37	27.52	18.25	29.82	108	270	P	V
		2485.79	52.79	-1.21	54	36.83	27.53	18.25	29.82	108	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 802.11n 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)
		4844	39.66	-34.34	74	55.14	31.19	12.44	59.11	100	0	P	H
		7266	45.28	-28.72	74	51.9	36.33	15.68	58.63	100	0	P	H
802.11n													H
HT40													H
CH 03		4844	39.9	-34.1	74	55.38	31.19	12.44	59.11	100	0	P	V
2422MHz		7266	45.44	-28.56	74	52.06	36.33	15.68	58.63	100	0	P	V
													V
													V
		4874	39.46	-34.54	74	55	31.1	12.48	59.12	100	0	P	H
		7311	45.62	-28.38	74	52.06	36.44	15.68	58.56	100	0	P	H
802.11n													H
HT40													H
CH 06		4874	39.26	-34.74	74	54.8	31.1	12.48	59.12	100	0	P	V
2437MHz		7311	45.18	-28.82	74	51.62	36.44	15.68	58.56	100	0	P	V
													V
													V
		4904	40.12	-33.88	74	55.74	31.02	12.5	59.14	100	0	P	H
		7356	45.24	-28.76	74	51.49	36.59	15.66	58.5	100	0	P	H
802.11n													H
HT40													H
CH 09		4904	40.2	-33.8	74	55.82	31.02	12.5	59.14	100	0	P	V
2452MHz		7356	45.97	-28.03	74	52.22	36.59	15.66	58.5	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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)
		149.31	33.3	-10.2	43.5	46.37	17.05	2.16	32.28	100	0	P	H
		265.71	23.45	-22.55	46	33.04	19.9	2.86	32.35	-	-	P	H
		376.29	22.49	-23.51	46	30.45	20.97	3.31	32.24	-	-	P	H
		558.65	28.08	-17.92	46	29.91	26.11	4.05	31.99	-	-	P	H
		746.83	34.31	-11.69	46	33.76	28.1	4.7	32.25	-	-	P	H
		881.66	32	-14	46	29.89	29	5.11	32	-	-	P	H
													H
													H
													H
													H
2.4GHz													H
802.11n													H
HT40		52.31	33.57	-6.43	40	51.64	13.13	1.22	32.42	100	0	P	V
LF		179.38	26.97	-16.53	43.5	42.01	14.93	2.34	32.31	-	-	P	V
		365.62	21.24	-24.76	46	29.42	20.82	3.26	32.26	-	-	P	V
		567.38	28.43	-17.57	46	30.25	26.07	4.09	31.98	-	-	P	V
		665.35	28.82	-17.18	46	30.24	26.23	4.42	32.07	-	-	P	V
		843.83	31.84	-14.16	46	30.01	29	5	32.17	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

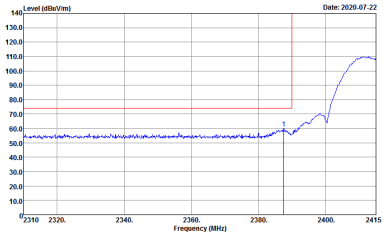
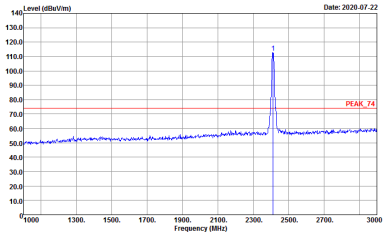
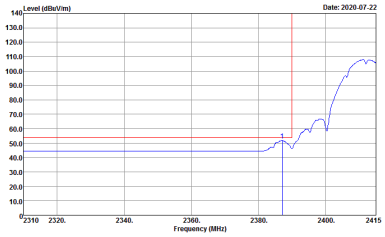
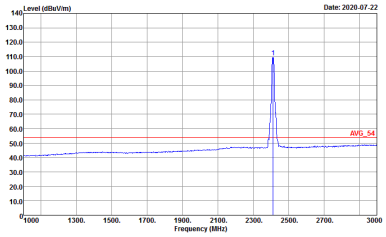
Test Engineer :	Jacky Hung, Andy Yang and CR Liao	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

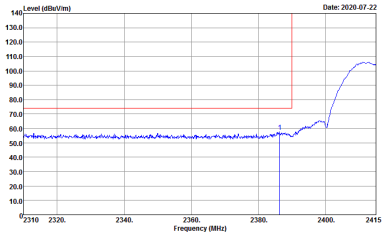
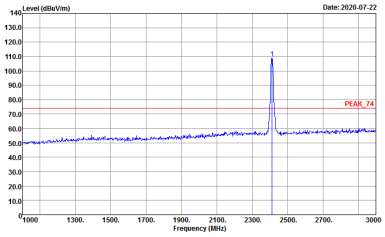
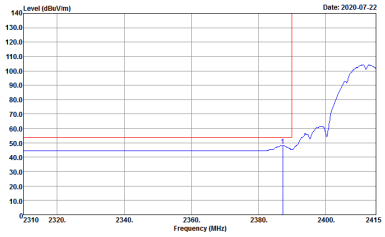
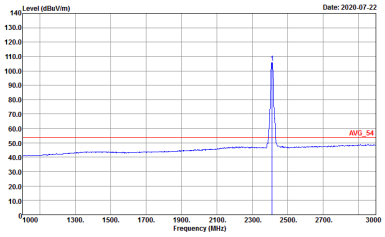
Note symbol

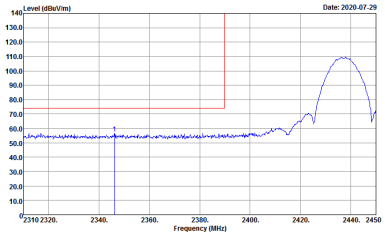
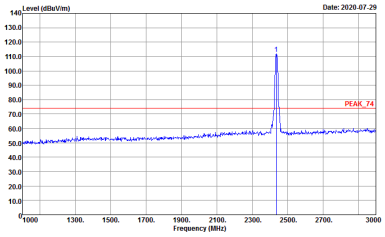
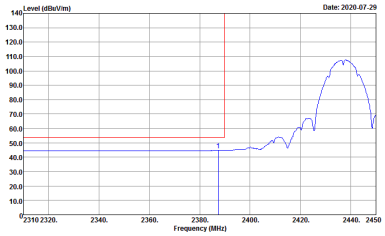
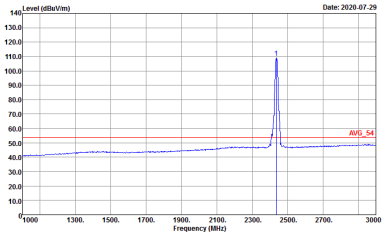
-L	**Low channel location**
-R	**High channel location**

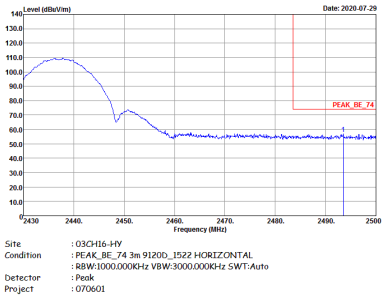
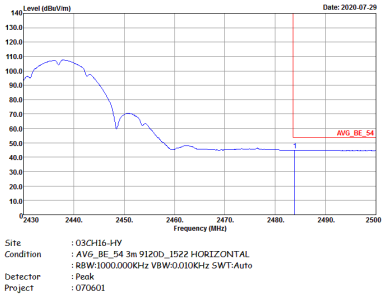
2.4GHz 2400~2483.5MHz

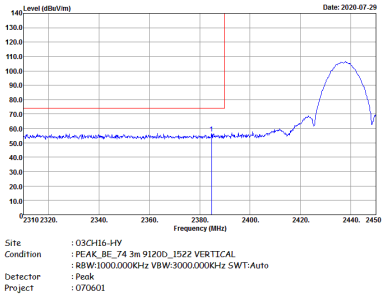
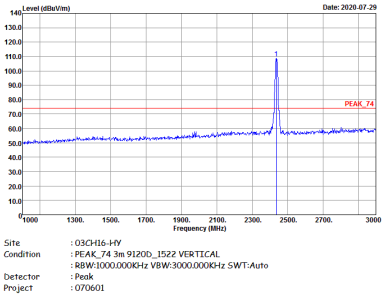
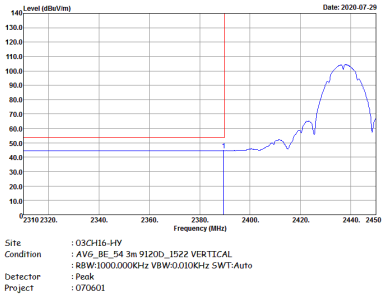
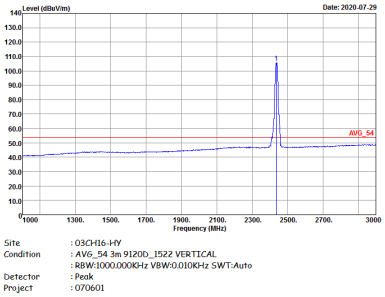
WIFI 802.11b (Band Edge @ 3m)

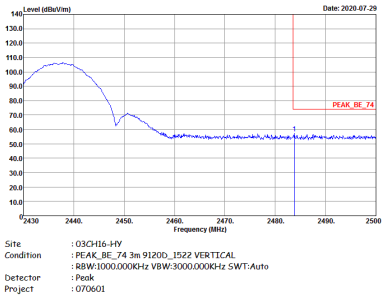
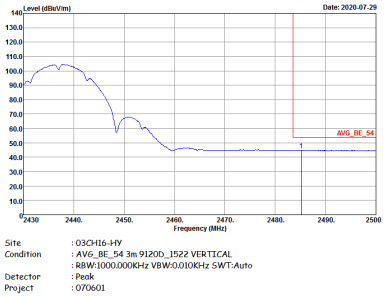
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

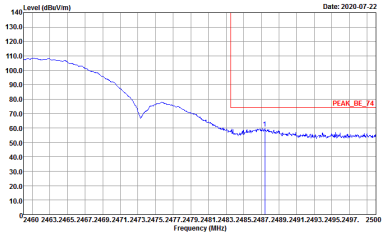
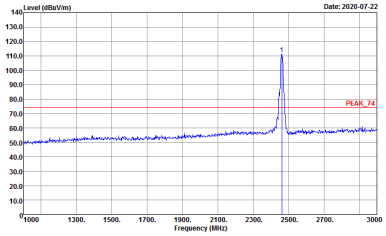
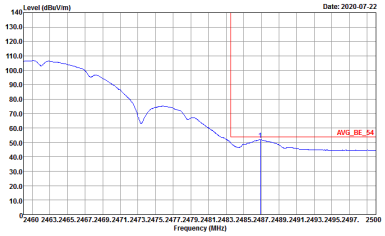
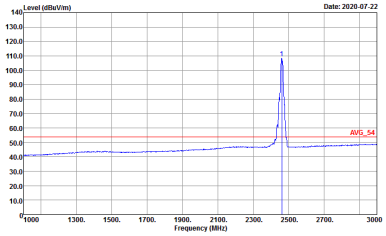
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

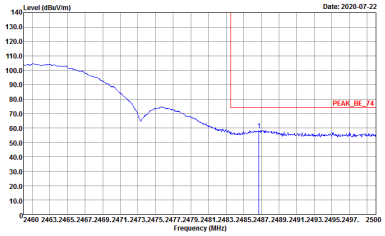
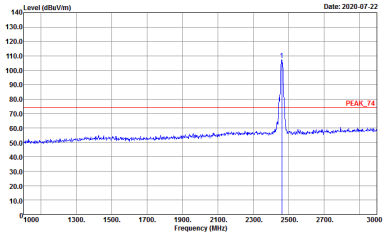
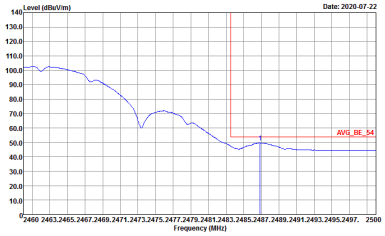
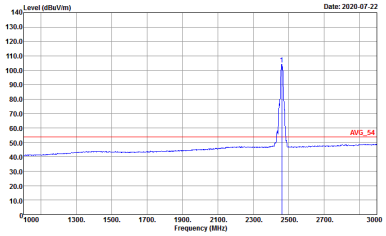
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

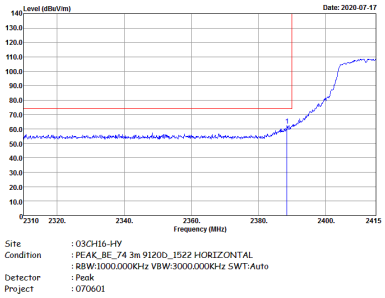
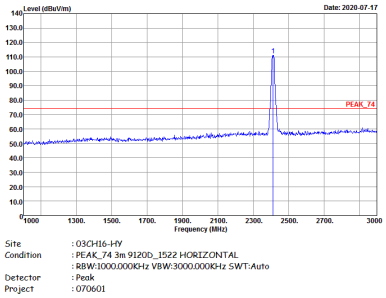
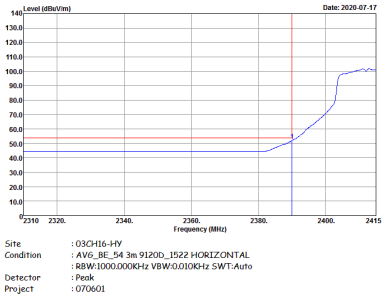
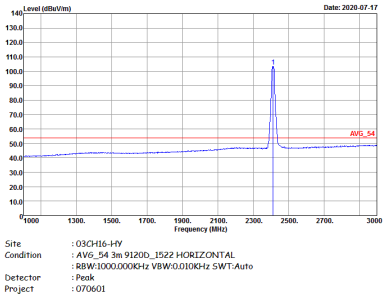
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

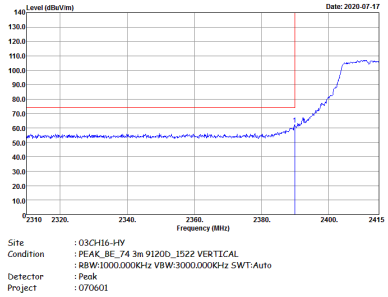
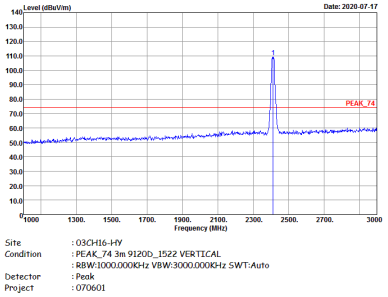
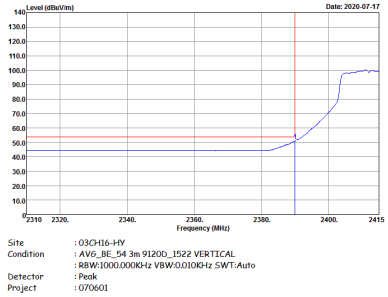
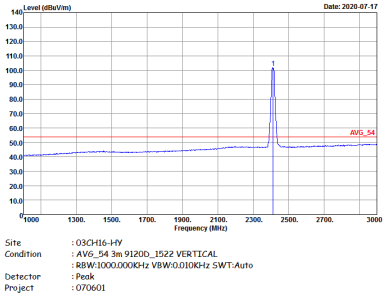
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601

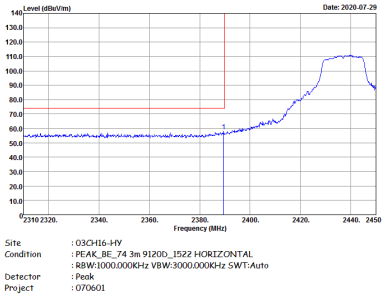
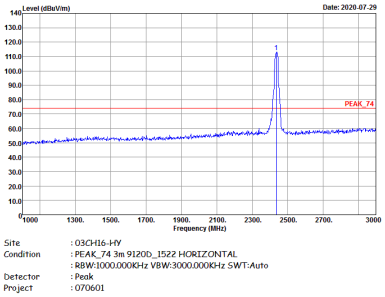
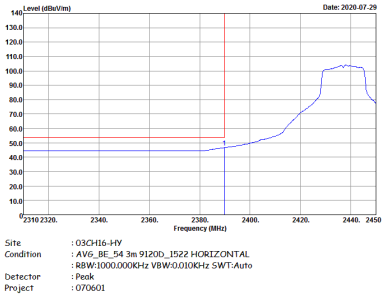
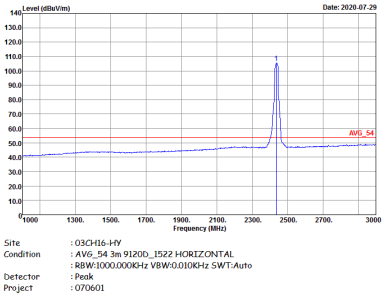
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601

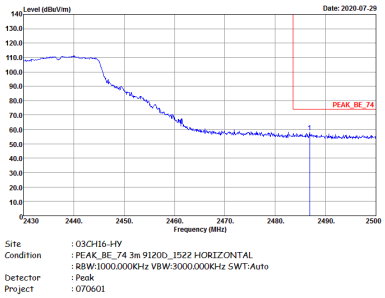
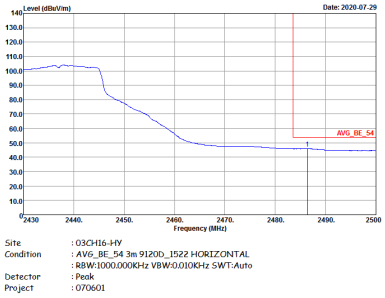
2.4GHz 2400~2483.5MHz

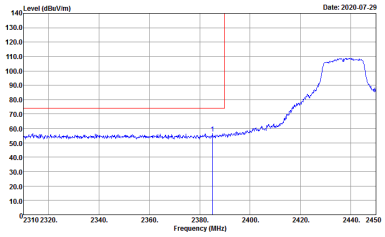
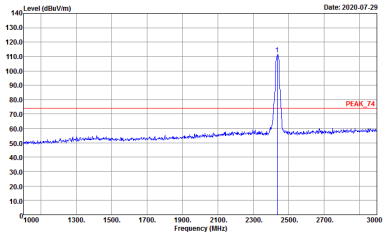
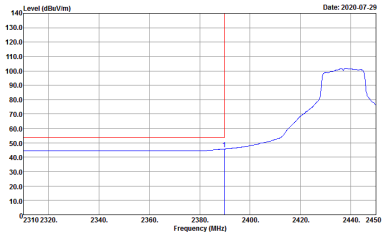
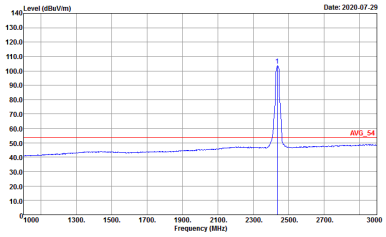
WIFI 802.11g (Band Edge @ 3m)

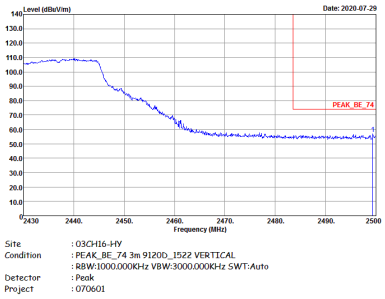
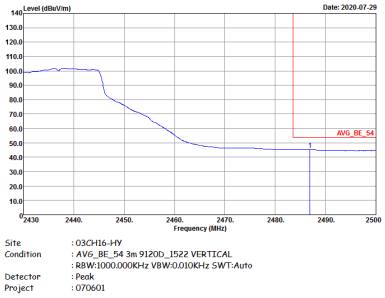
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

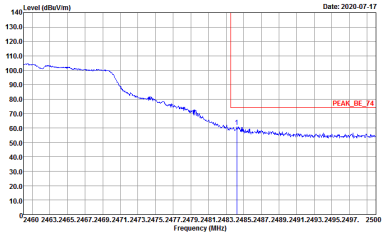
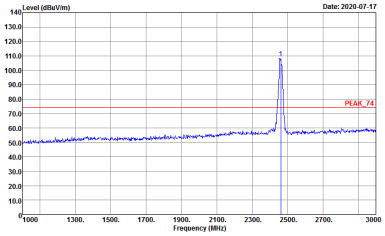
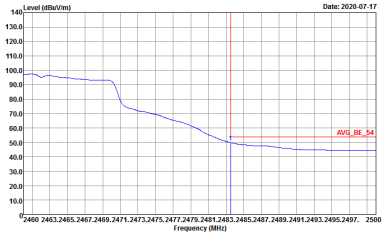
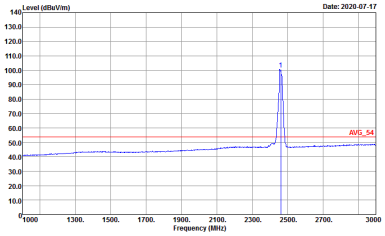
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

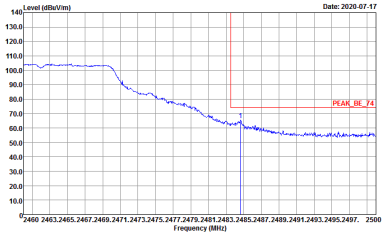
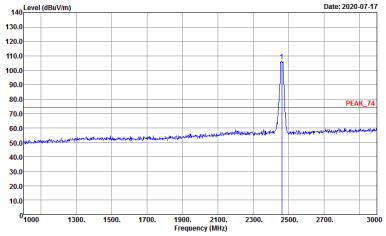
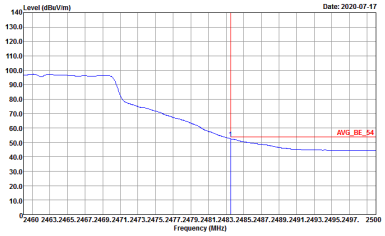
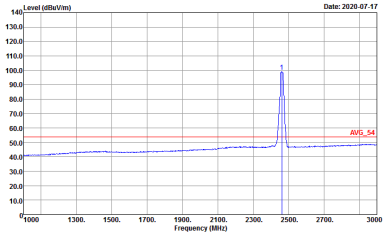
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

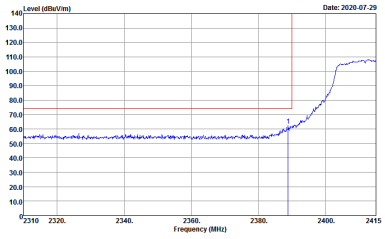
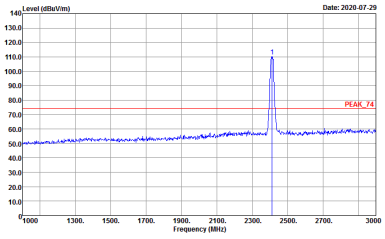
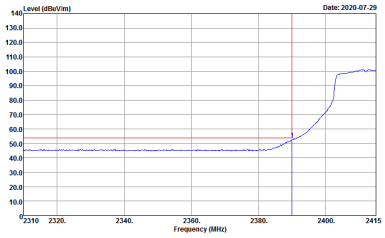
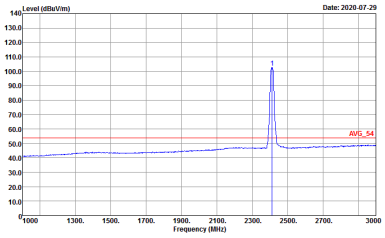
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

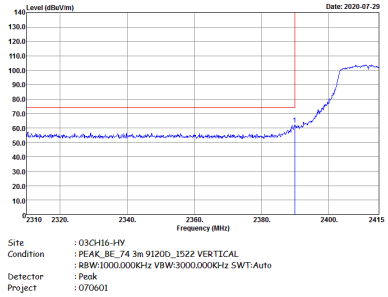
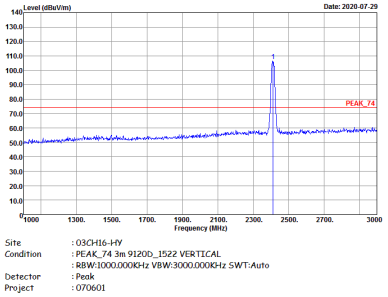
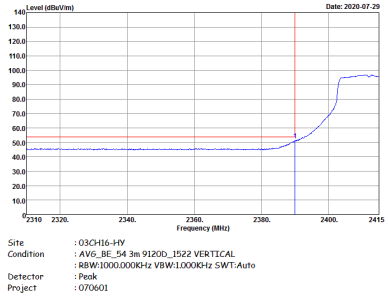
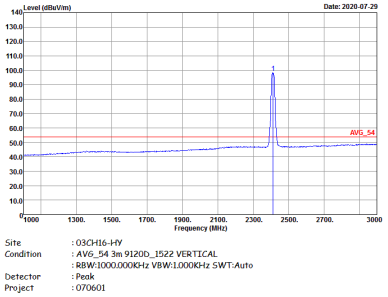
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601

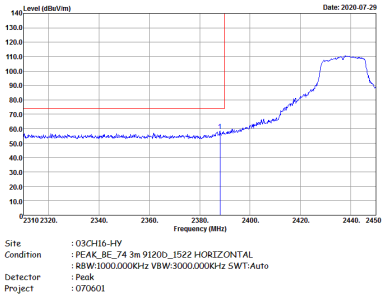
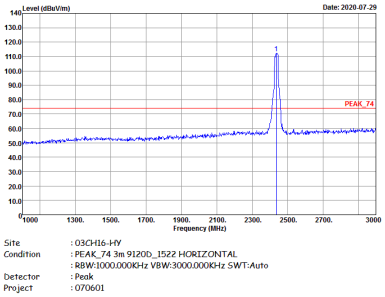
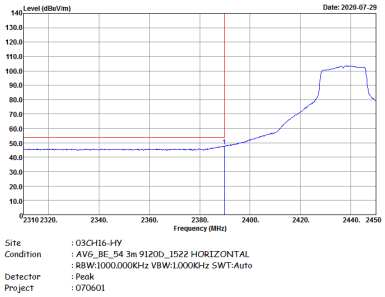
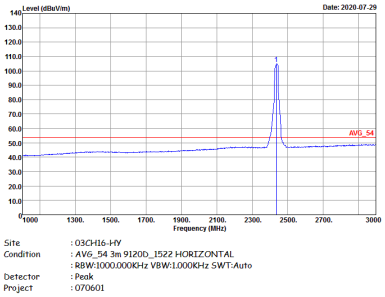
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 070601

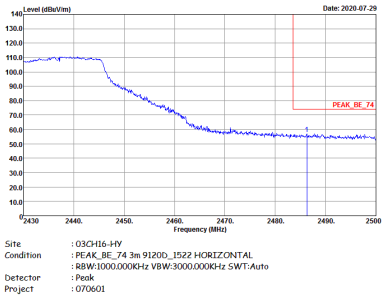
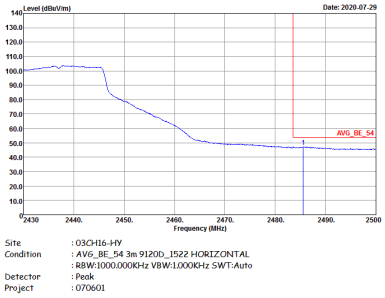
2.4GHz 2400~2483.5MHz

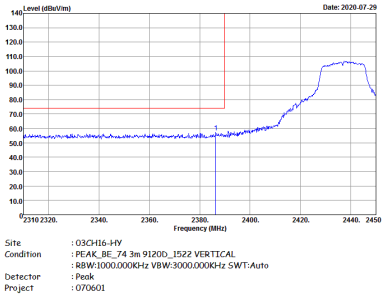
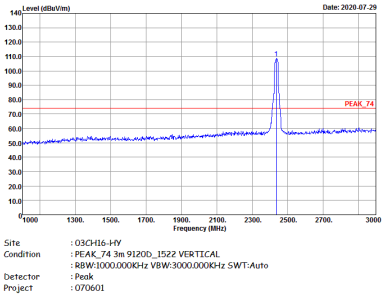
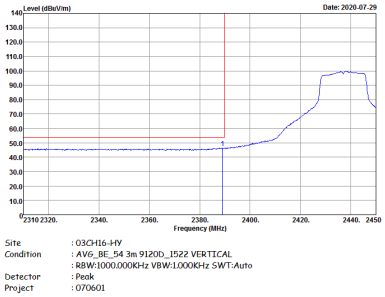
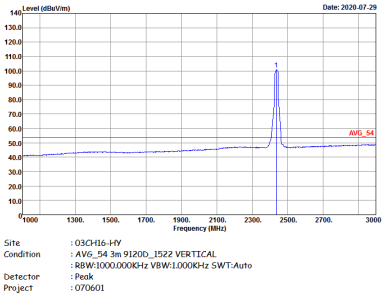
WIFI 802.11n HT20 (Band Edge @ 3m)

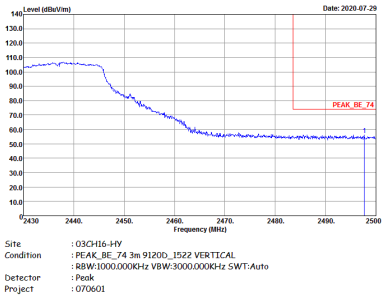
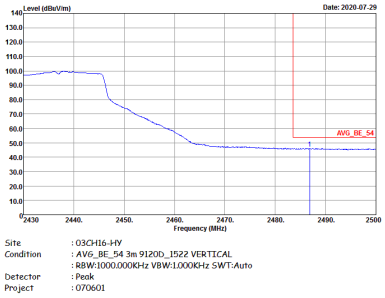
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

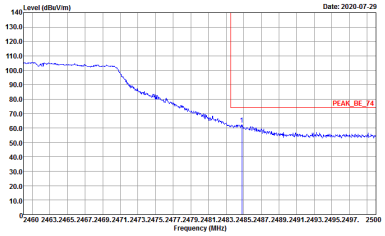
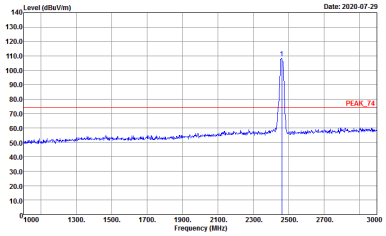
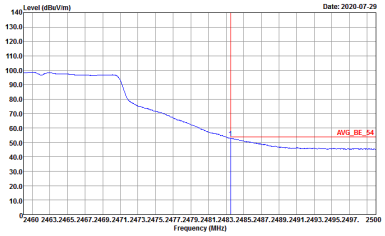
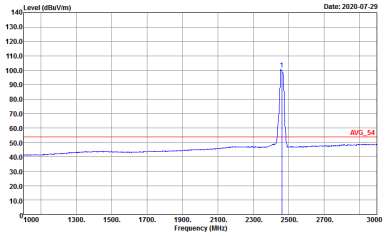
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak		
Avg.		

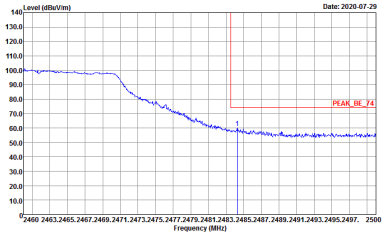
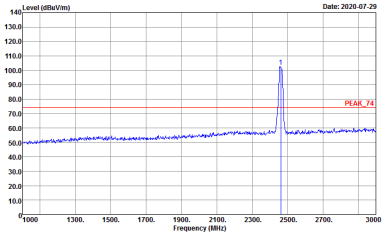
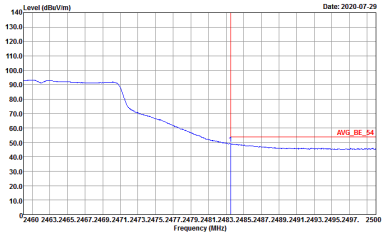
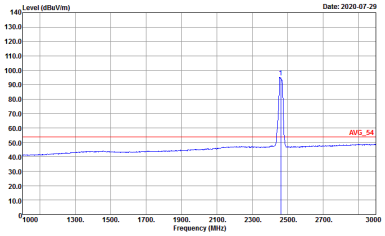
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

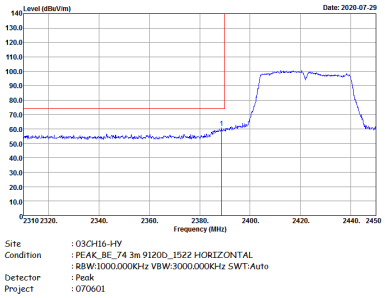
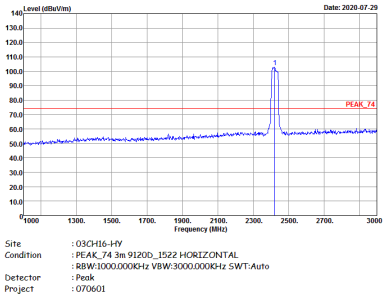
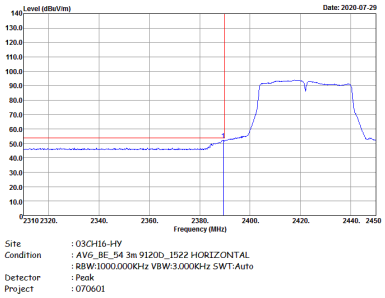
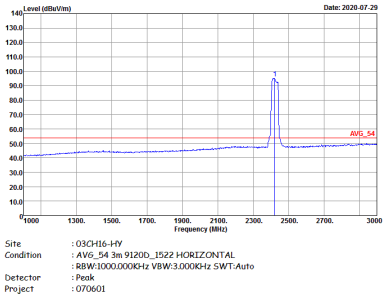
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

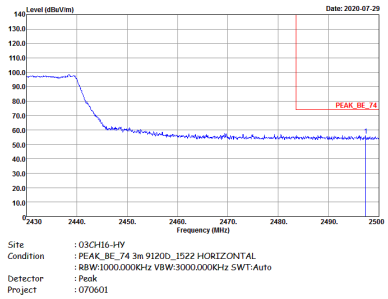
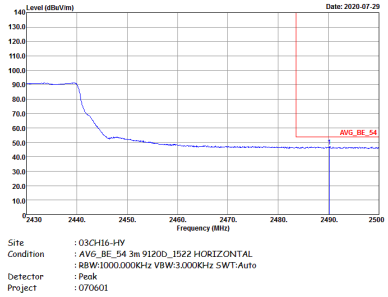
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601

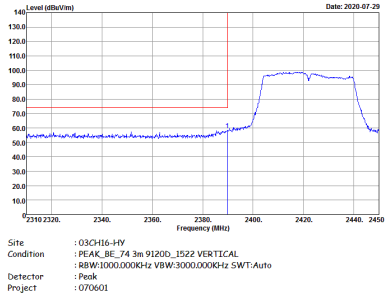
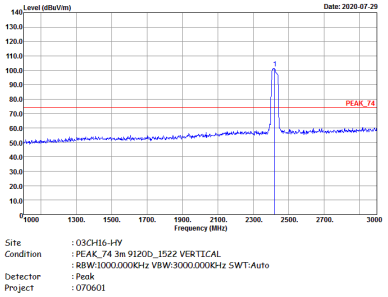
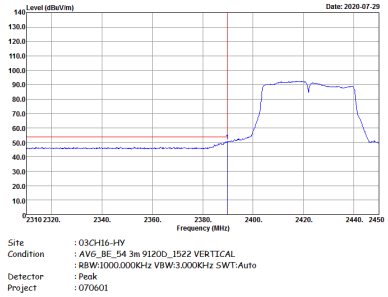
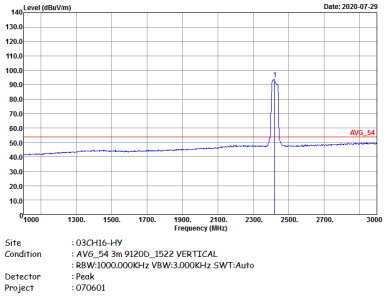
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 070601
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 070601

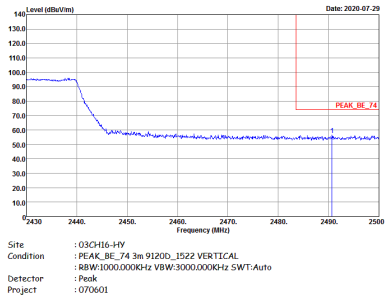
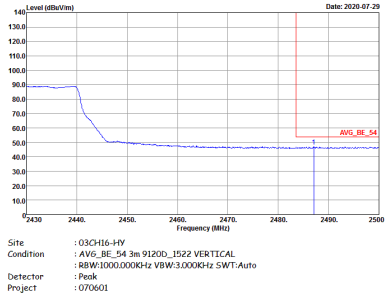
2.4GHz 2400~2483.5MHz

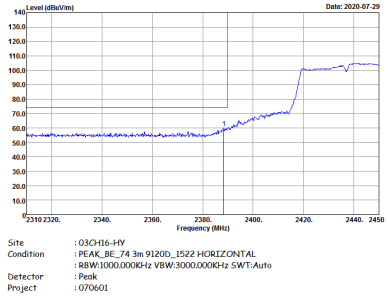
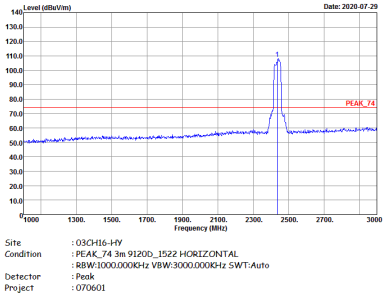
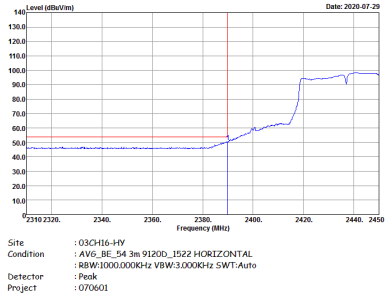
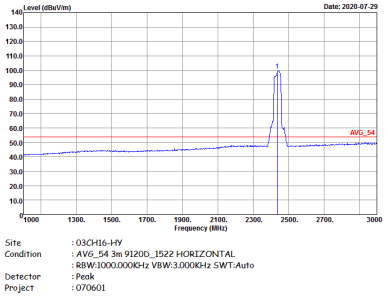
WIFI 802.11n HT40 (Band Edge @ 3m)

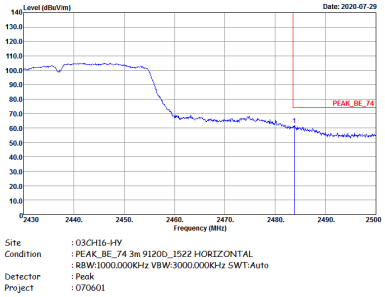
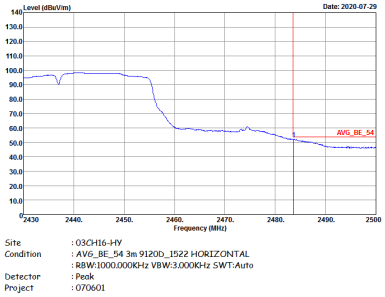
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

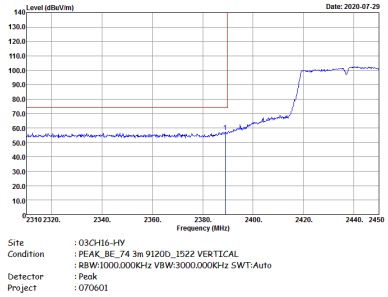
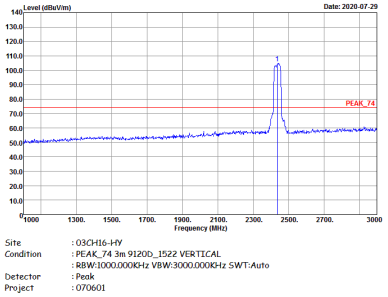
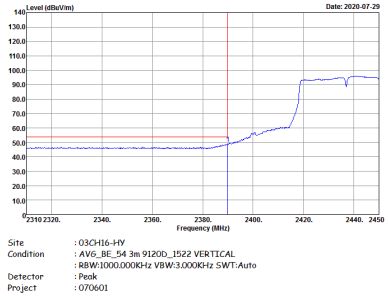
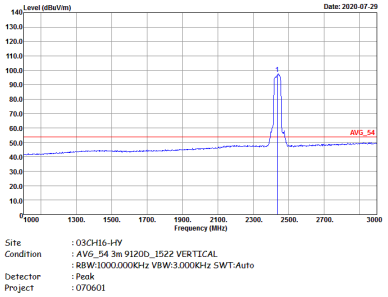
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Horizontal	Fundamental
Peak		Left Blank
Avg.		Left Blank

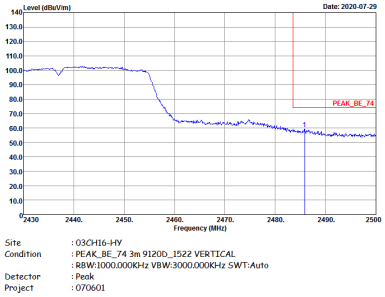
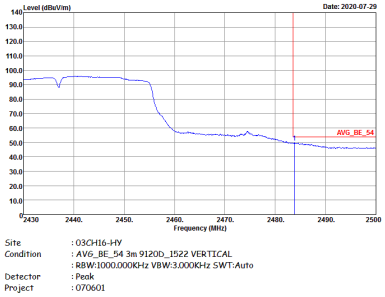
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

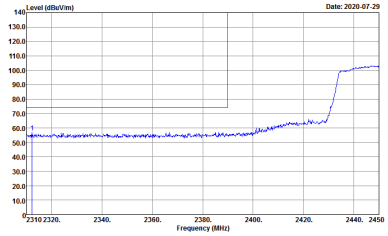
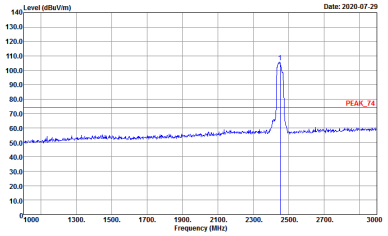
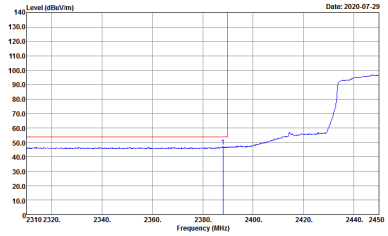
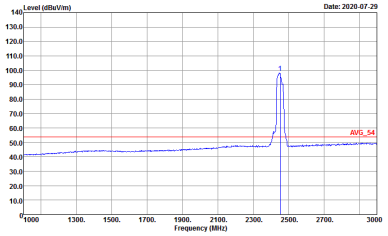
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

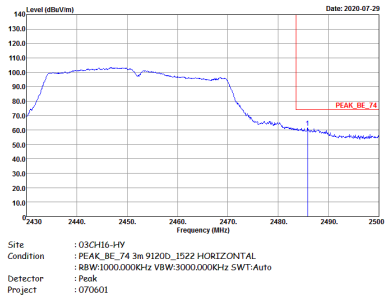
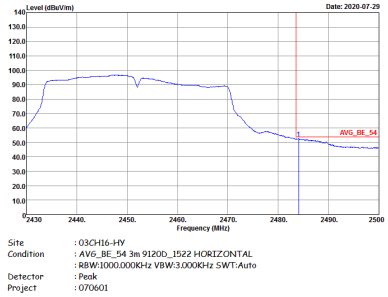
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

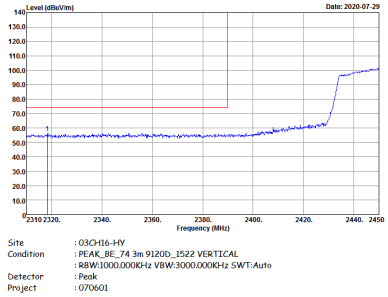
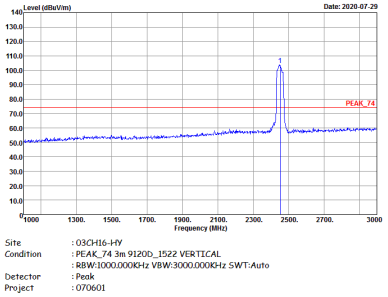
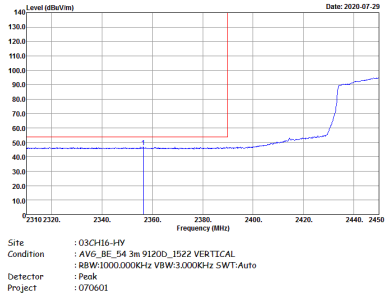
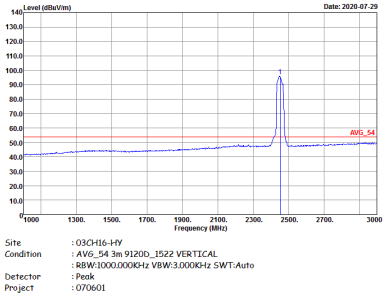
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

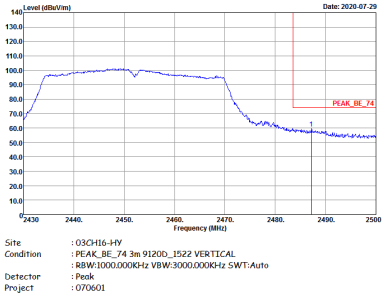
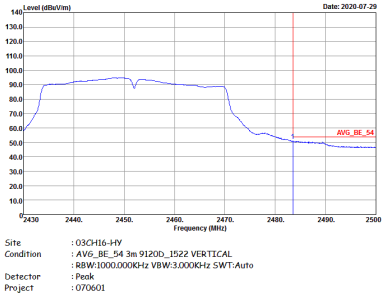
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

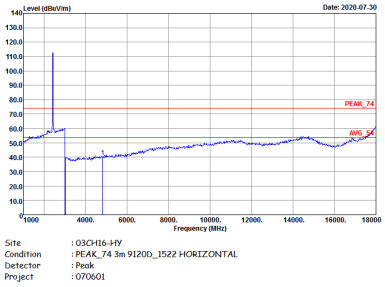
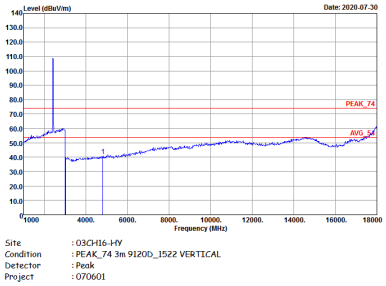
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

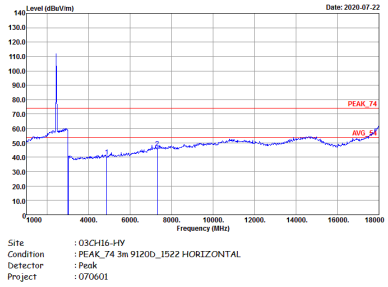
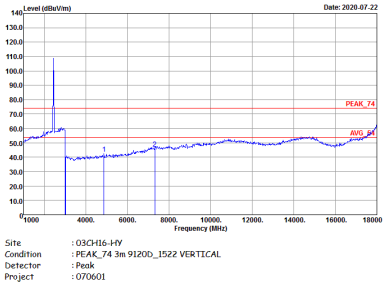
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

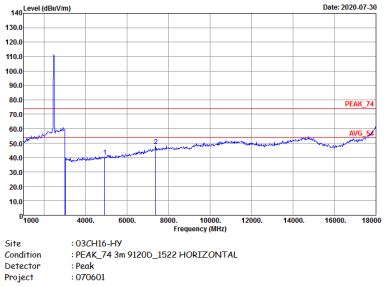
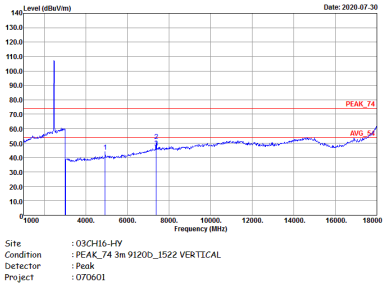
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

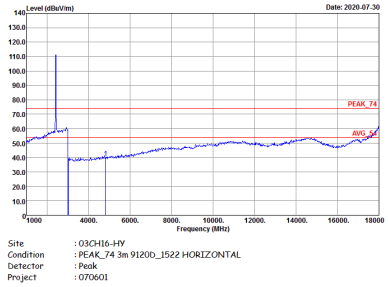
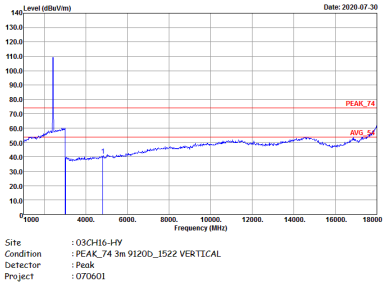
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

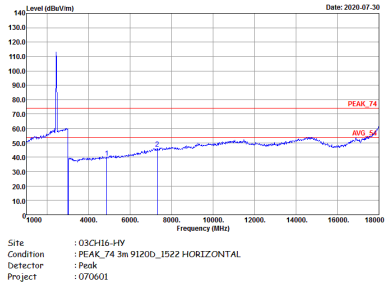
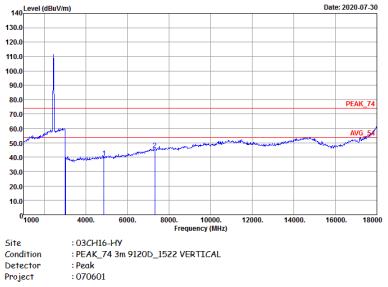
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

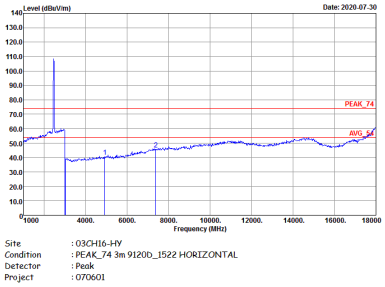
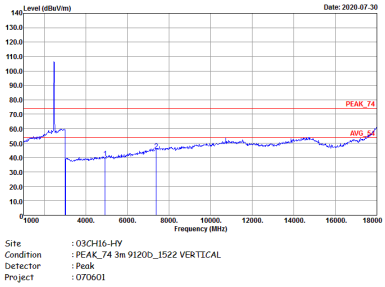
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 070601

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

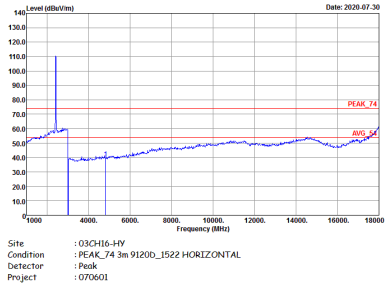
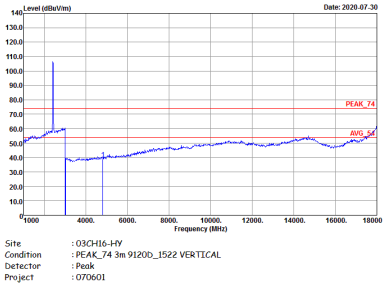
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

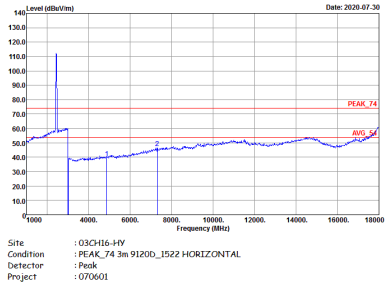
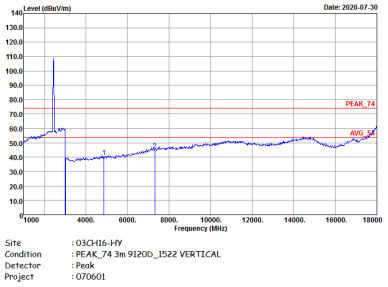
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

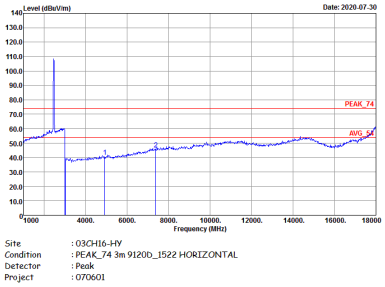
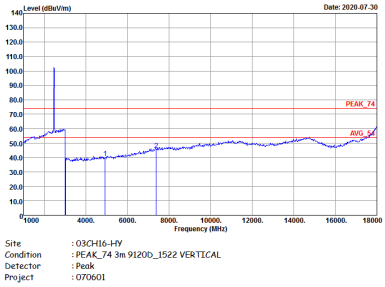
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 070601

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 070601	 Site : 03CH16-HY Condition : PEAK_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 070601