

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

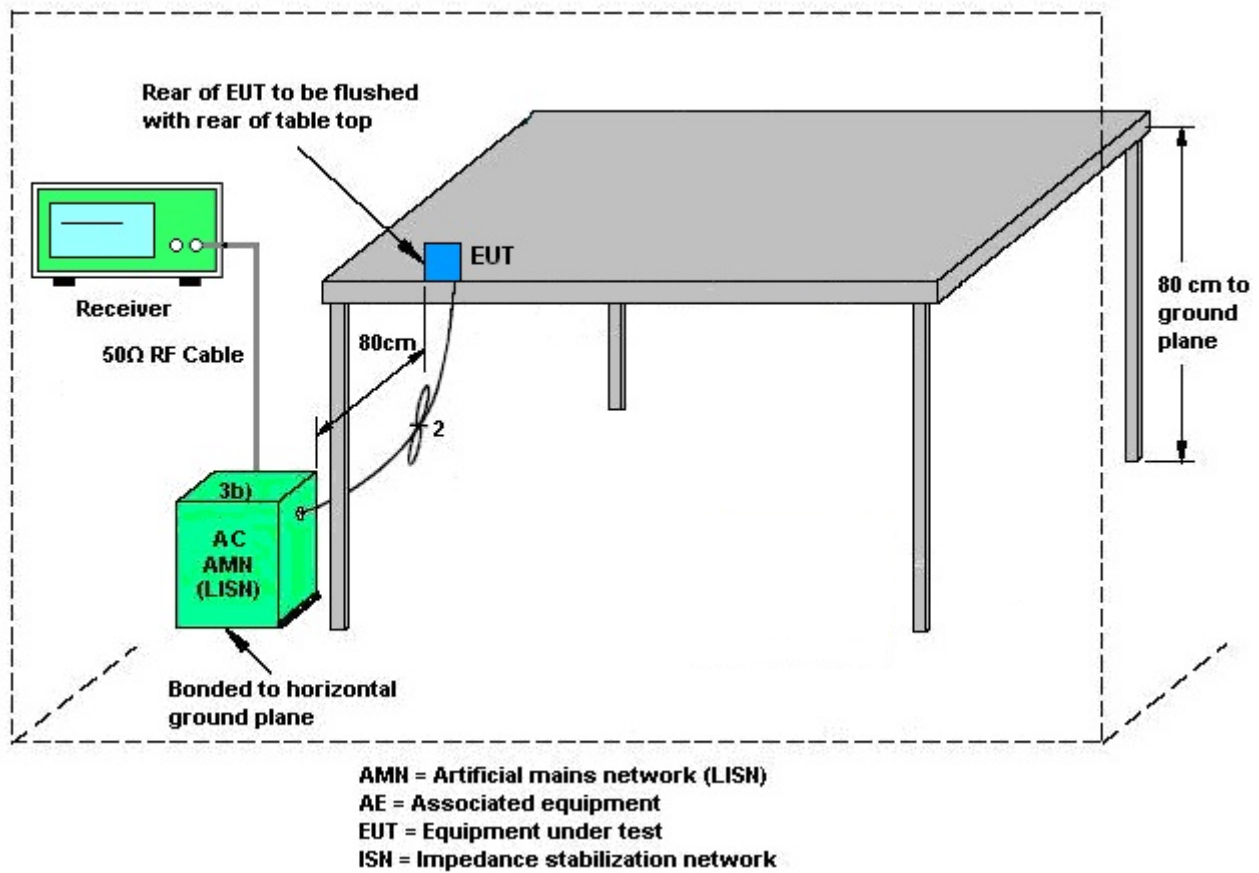
3.6.2 Measuring Instruments

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



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
2.4 GHz	-1.00	-1.00	-1.00	2.01	0.00	0.00

Power Limit Reduction = $DG(\text{Power}) - 6\text{dBi}$, (min = 0)

PSD Limit Reduction = $DG(\text{PSD}) - 6\text{dBi}$, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Agilent	E4416A	GB41292344	N/A	Dec. 27, 2018	Feb. 06, 2019~ Mar. 13, 2019	Dec. 26, 2019	Conducted (TH05-HY)
Power Sensor	Agilent	E9327A	US40441548	50MHz~18GHz	Dec. 27, 2018	Feb. 06, 2019~ Mar. 13, 2019	Dec. 26, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Feb. 06, 2019~ Mar. 13, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Feb. 06, 2019~ Mar. 13, 2019	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 19, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Feb. 19, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Feb. 19, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Feb. 19, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 19, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Feb. 19, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz~200MHz	Nov. 08, 2018	Feb. 19, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Feb. 12, 2019~ Mar. 09, 2019	Mar. 28, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Feb. 12, 2019~ Mar. 09, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Feb. 12, 2019~ Mar. 09, 2019	Oct. 12, 2019	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Oct. 17, 2018	Feb. 12, 2019~ Mar. 09, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Feb. 12, 2019~ Mar. 09, 2019	May 07, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Feb. 12, 2019~ Mar. 09, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000550006	1GHz~18GHz	Jul. 10, 2018	Feb. 12, 2019~ Mar. 09, 2019	Jul. 09, 2019	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2018	Feb. 12, 2019~ Mar. 09, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY54130085	20Hz ~ 8.4GHz	Nov. 01, 2018	Feb. 12, 2019~ Mar. 09, 2019	Oct. 31, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 25, 2018	Feb. 12, 2019~ Mar. 09, 2019	Apr. 24, 2019	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 12, 2019~ Mar. 09, 2019	N/A	Radiation (03CH15-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 12, 2019~ Mar. 09, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24	RK-00045 1	N/A	N/A	Feb. 12, 2019~ Mar. 09, 2019	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M-18G	Apr. 16, 2018	Feb. 12, 2019~ Mar. 09, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4	30M-18G	Apr. 16, 2018	Feb. 12, 2019~ Mar. 09, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	MTJ	000000-M T18A-100 D3210	30M-18G	Apr. 16, 2018	Feb. 12, 2019~ Mar. 09, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 14, 2018	Feb. 12, 2019~ Mar. 09, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 14, 2018	Feb. 12, 2019~ Mar. 09, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN1	3 GHz Highpass	Sep. 16, 2018	Feb. 12, 2019~ Mar. 09, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN11	1G Low Pass	Sep. 16, 2018	Feb. 12, 2019~ Mar. 09, 2019	Sep. 15, 2019	Radiation (03CH15-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Howard Lin	Temperature:	21~25	°C
Test Date:	2019/2/6~2019/3/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
11b	1Mbps	1	1	2412	13.79	14.09	8.07	8.53	0.50	Pass
11b	1Mbps	1	6	2437	13.84	14.09	8.53	8.55	0.50	Pass
11b	1Mbps	1	11	2462	13.89	14.14	9.01	10.03	0.50	Pass
11g	6Mbps	1	1	2412	16.78	16.78	16.78	15.32	0.50	Pass
11g	6Mbps	1	6	2437	16.73	16.83	15.90	15.90	0.50	Pass
11g	6Mbps	1	11	2462	16.78	16.78	15.32	15.50	0.50	Pass
HT20	MCS0	2	1	2412	17.93	17.93	15.66	15.94	0.50	Pass
HT20	MCS0	2	6	2437	17.93	17.93	15.12	15.11	0.50	Pass
HT20	MCS0	2	11	2462	17.93	17.88	15.05	15.01	0.50	Pass
HT40	MCS0	2	3	2422	36.56	36.56	35.08	35.08	0.50	Pass
HT40	MCS0	2	6	2437	36.46	36.36	35.32	35.12	0.50	Pass
HT40	MCS0	2	9	2452	36.66	36.56	35.36	35.68	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	19.65	20.32	-	30.00	30.00	-1.00	-1.00	18.65	19.32	36.00	36.00	Pass
11b	1Mbps	1	6	2437	19.63	20.36	-	30.00	30.00	-1.00	-1.00	18.63	19.36	36.00	36.00	Pass
11b	1Mbps	1	11	2462	19.68	20.42	-	30.00	30.00	-1.00	-1.00	18.68	19.42	36.00	36.00	Pass
11g	6Mbps	1	1	2412	20.65	20.81	-	30.00	30.00	-1.00	-1.00	19.65	19.81	36.00	36.00	Pass
11g	6Mbps	1	6	2437	20.54	20.78	-	30.00	30.00	-1.00	-1.00	19.54	19.78	36.00	36.00	Pass
11g	6Mbps	1	11	2462	20.43	18.93	-	30.00	30.00	-1.00	-1.00	19.43	17.93	36.00	36.00	Pass
HT20	MCS0	1	1	2412	18.07	18.48	-	30.00	30.00	-1.00	-1.00	17.07	17.48	36.00	36.00	Pass
HT20	MCS0	1	6	2437	20.97	21.21	-	30.00	30.00	-1.00	-1.00	19.97	20.21	36.00	36.00	Pass
HT20	MCS0	1	11	2462	16.92	17.43	-	30.00	30.00	-1.00	-1.00	15.92	16.43	36.00	36.00	Pass
HT40	MCS0	1	3	2422	10.63	10.99	-	30.00	30.00	-1.00	-1.00	9.63	9.99	36.00	36.00	Pass
HT40	MCS0	1	6	2437	13.48	14.20	-	30.00	30.00	-1.00	-1.00	12.48	13.20	36.00	36.00	Pass
HT40	MCS0	1	9	2452	10.21	10.72	-	30.00	30.00	-1.00	-1.00	9.21	9.72	36.00	36.00	Pass
VHT20	MCS0	1	1	2412	18.03	18.42	-	30.00	30.00	-1.00	-1.00	17.03	17.42	36.00	36.00	Pass
VHT20	MCS0	1	6	2437	20.92	21.17	-	30.00	30.00	-1.00	-1.00	19.92	20.17	36.00	36.00	Pass
VHT20	MCS0	1	11	2462	16.90	17.40	-	30.00	30.00	-1.00	-1.00	15.90	16.40	36.00	36.00	Pass
VHT40	MCS0	1	3	2422	10.61	10.96	-	30.00	30.00	-1.00	-1.00	9.61	9.96	36.00	36.00	Pass
VHT40	MCS0	1	6	2437	13.42	14.15	-	30.00	30.00	-1.00	-1.00	12.42	13.15	36.00	36.00	Pass
VHT40	MCS0	1	9	2452	10.18	10.69	-	30.00	30.00	-1.00	-1.00	9.18	9.69	36.00	36.00	Pass
HT20	MCS0	2	1	2412	18.12	18.53	21.34	30.00		-1.00		20.34		36.00		Pass
HT20	MCS0	2	6	2437	20.46	21.12	23.81	30.00		-1.00		22.81		36.00		Pass
HT20	MCS0	2	11	2462	17.01	17.49	20.27	30.00		-1.00		19.27		36.00		Pass
HT40	MCS0	2	3	2422	10.68	11.03	13.87	30.00		-1.00		12.87		36.00		Pass
HT40	MCS0	2	6	2437	13.58	14.24	16.93	30.00		-1.00		15.93		36.00		Pass
HT40	MCS0	2	9	2452	10.24	10.83	13.56	30.00		-1.00		12.56		36.00		Pass
VHT20	MCS0	2	1	2412	18.06	18.50	21.30	30.00		-1.00		20.30		36.00		Pass
VHT20	MCS0	2	6	2437	20.43	21.08	23.78	30.00		-1.00		22.78		36.00		Pass
VHT20	MCS0	2	11	2462	16.88	17.43	20.17	30.00		-1.00		19.17		36.00		Pass
VHT40	MCS0	2	3	2422	10.62	11.00	13.82	30.00		-1.00		12.82		36.00		Pass
VHT40	MCS0	2	6	2437	13.54	14.20	16.89	30.00		-1.00		15.89		36.00		Pass
VHT40	MCS0	2	9	2452	10.21	10.78	13.51	30.00		-1.00		12.51		36.00		Pass

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

TEST RESULTS DATA
Average Output Power

2.4GHz Band									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
11b	1Mbps	1	1	2412	0.02	0.02	17.60	17.90	
11b	1Mbps	1	6	2437	0.02	0.02	17.60	17.90	
11b	1Mbps	1	11	2462	0.02	0.02	17.70	18.00	
11g	6Mbps	1	1	2412	0.07	0.08	16.20	16.10	
11g	6Mbps	1	6	2437	0.07	0.08	16.20	16.10	
11g	6Mbps	1	11	2462	0.07	0.08	16.20	14.20	
HT20	MCS0	1	1	2412	0.09	0.08	14.00	13.80	
HT20	MCS0	1	6	2437	0.09	0.08	16.50	16.40	
HT20	MCS0	1	11	2462	0.09	0.08	12.20	12.50	
HT40	MCS0	1	3	2422	0.23	0.22	5.70	5.70	
HT40	MCS0	1	6	2437	0.23	0.22	8.70	8.70	
HT40	MCS0	1	9	2452	0.23	0.22	5.20	5.20	
VHT20	MCS0	1	1	2412	0.08	0.08	13.90	13.70	
VHT20	MCS0	1	6	2437	0.08	0.08	16.40	16.30	
VHT20	MCS0	1	11	2462	0.08	0.08	12.10	12.40	
VHT40	MCS0	1	3	2422	0.23	0.23	5.60	5.60	
VHT40	MCS0	1	6	2437	0.23	0.23	8.60	8.60	
VHT40	MCS0	1	9	2452	0.23	0.23	5.10	5.10	
HT20	MCS0	2	1	2412	0.08	0.08	13.70	13.80	16.76
HT20	MCS0	2	6	2437	0.08	0.08	16.10	16.50	19.31
HT20	MCS0	2	11	2462	0.08	0.08	12.10	12.40	15.26
HT40	MCS0	2	3	2422	0.23	0.23	5.70	6.00	8.86
HT40	MCS0	2	6	2437	0.23	0.23	8.70	9.00	11.86
HT40	MCS0	2	9	2452	0.23	0.23	5.20	5.50	8.36
VHT20	MCS0	2	1	2412	0.08	0.08	13.60	13.70	16.66
VHT20	MCS0	2	6	2437	0.08	0.08	16.00	13.40	17.90
VHT20	MCS0	2	11	2462	0.08	0.08	12.00	12.30	15.16
VHT40	MCS0	2	3	2422	0.23	0.23	5.60	5.90	8.76
VHT40	MCS0	2	6	2437	0.23	0.23	8.60	8.90	11.76
VHT40	MCS0	2	9	2452	0.23	0.23	5.10	5.40	8.26

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	-5.31	-5.34	-	-1.00	-1.00	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-5.15	-5.74	-	-1.00	-1.00	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-5.90	-5.65	-	-1.00	-1.00	8.00	8.00	Pass
11g	6Mbps	1	1	2412	-10.11	-9.30	-	-1.00	-1.00	8.00	8.00	Pass
11g	6Mbps	1	6	2437	-9.71	-9.21	-	-1.00	-1.00	8.00	8.00	Pass
11g	6Mbps	1	11	2462	-10.69	-11.63	-	-1.00	-1.00	8.00	8.00	Pass
HT20	MCS0	2	1	2412	-11.80	-12.70	-8.79	2.01		8.00		Pass
HT20	MCS0	2	6	2437	-11.11	-10.74	-7.73	2.01		8.00		Pass
HT20	MCS0	2	11	2462	-13.36	-12.38	-9.37	2.01		8.00		Pass
HT40	MCS0	2	3	2422	-22.80	-23.60	-19.79	2.01		8.00		Pass
HT40	MCS0	2	6	2437	-21.31	-20.77	-17.76	2.01		8.00		Pass
HT40	MCS0	2	9	2452	-24.58	-23.96	-20.95	2.01		8.00		Pass

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



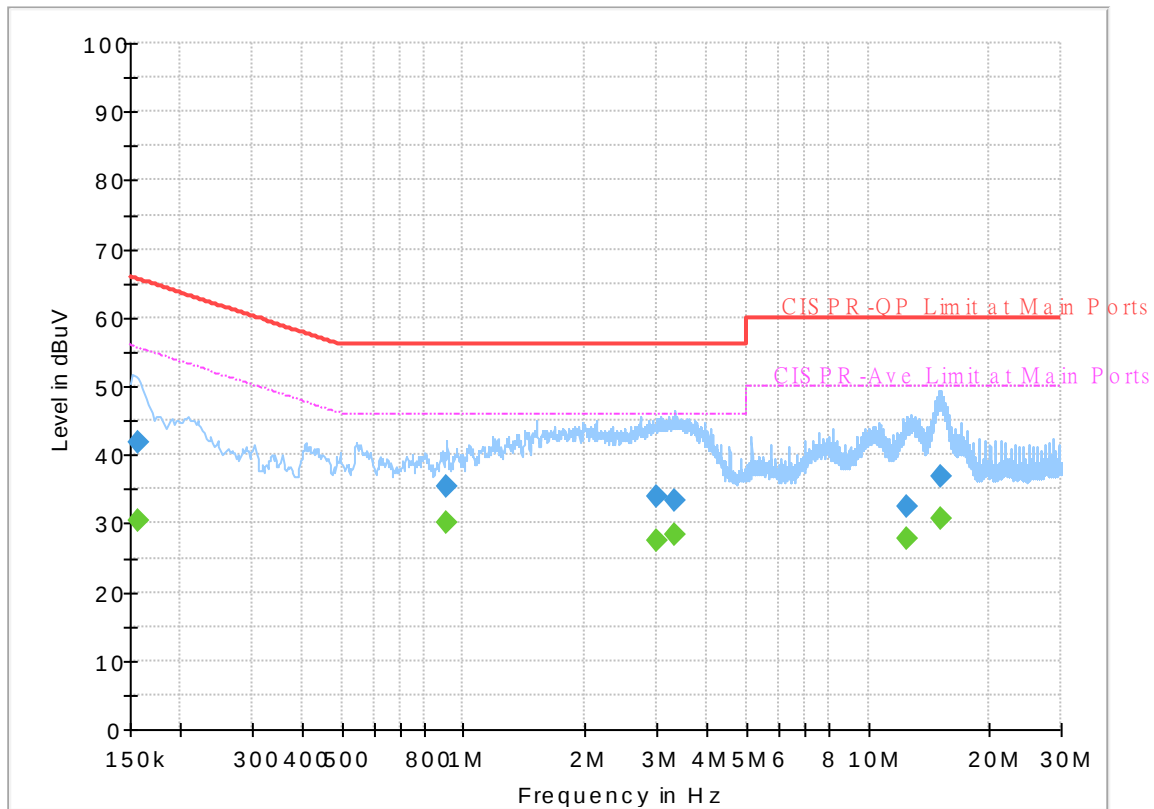
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	Temperature :	24~26℃
		Relative Humidity :	51~53%

EUT Information

Report NO : 912242
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



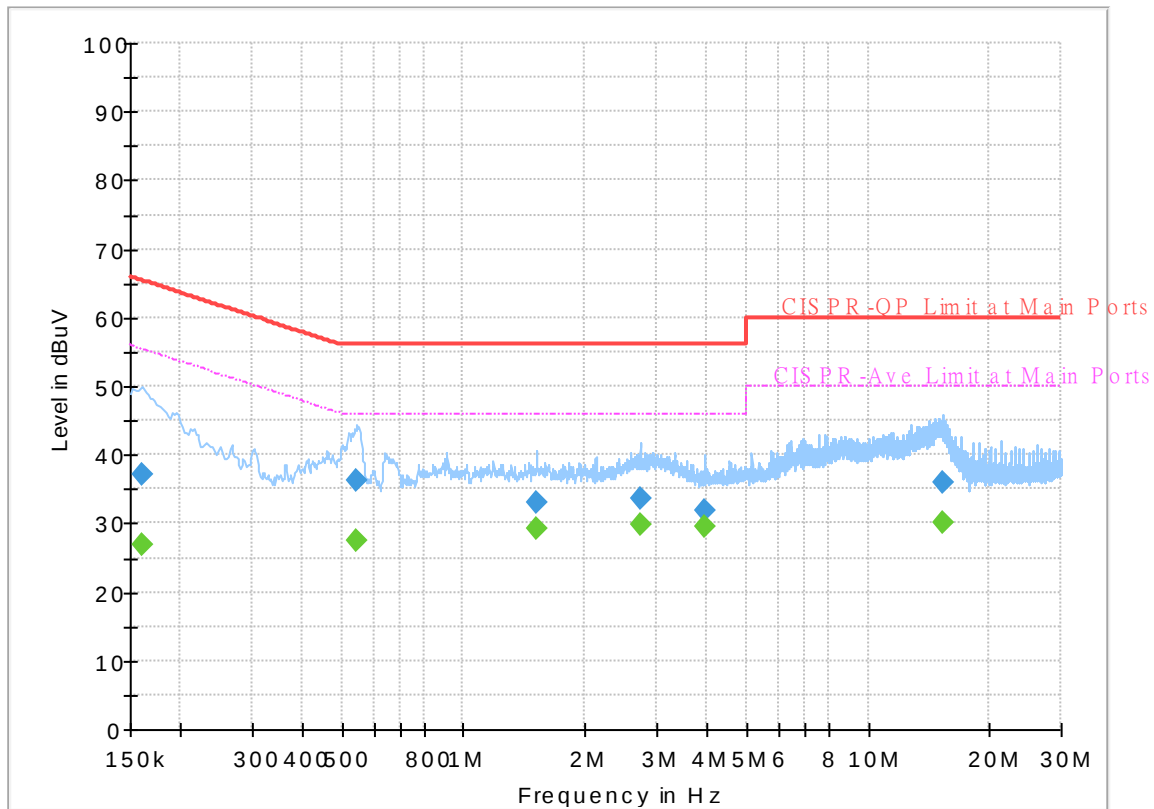
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	30.47	55.63	25.16	L1	OFF	19.5
0.156750	41.76	---	65.63	23.87	L1	OFF	19.5
0.908250	---	30.22	46.00	15.78	L1	OFF	19.6
0.908250	35.35	---	56.00	20.65	L1	OFF	19.6
3.012000	---	27.42	46.00	18.58	L1	OFF	19.6
3.012000	34.05	---	56.00	21.95	L1	OFF	19.6
3.340500	---	28.25	46.00	17.75	L1	OFF	19.7
3.340500	33.45	---	56.00	22.55	L1	OFF	19.7
12.507000	---	27.79	50.00	22.21	L1	OFF	20.0
12.507000	32.48	---	60.00	27.52	L1	OFF	20.0
15.168750	---	30.79	50.00	19.21	L1	OFF	20.1
15.168750	36.97	---	60.00	23.03	L1	OFF	20.1

EUT Information

Report NO : 912242
 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)
0.161250	---	26.91	55.40	28.49	N	OFF	19.5
0.161250	37.01	---	65.40	28.39	N	OFF	19.5
0.546000	---	27.36	46.00	18.64	N	OFF	19.5
0.546000	36.32	---	56.00	19.68	N	OFF	19.5
1.518000	---	29.34	46.00	16.66	N	OFF	19.6
1.518000	33.10	---	56.00	22.90	N	OFF	19.6
2.728500	---	29.96	46.00	16.04	N	OFF	19.6
2.728500	33.77	---	56.00	22.23	N	OFF	19.6
3.943500	---	29.44	46.00	16.56	N	OFF	19.7
3.943500	31.81	---	56.00	24.19	N	OFF	19.7
15.364500	---	30.06	50.00	19.94	N	OFF	20.1
15.364500	35.91	---	60.00	24.09	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Watt Tseng, Karl Hou, and BigShow Wang	Temperature :	24~26°C
		Relative Humidity :	47~58%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2385.915	56.06	-17.94	74	43.55	27.6	15.77	30.86	208	318	P	H
		2385.285	46.96	-7.04	54	34.42	27.63	15.77	30.86	208	318	A	H
	*	2412	112.81	-	-	100.25	27.6	15.81	30.85	208	318	P	H
	*	2412	109.61	-	-	97.05	27.6	15.81	30.85	208	318	A	H
													H
													H
		2378.25	53.86	-20.14	74	41.33	27.63	15.76	30.86	366	260	P	V
		2386.545	43.57	-10.43	54	31.06	27.6	15.77	30.86	366	260	A	V
	*	2412	104.24	-	-	91.68	27.6	15.81	30.85	366	260	P	V
	*	2412	100.99	-	-	88.43	27.6	15.81	30.85	366	260	A	V
													V
													V
802.11b CH 06 2437MHz		2359.28	54.77	-19.23	74	42.25	27.67	15.73	30.88	230	303	P	H
		2379.3	44.81	-9.19	54	32.28	27.63	15.76	30.86	230	303	A	H
	*	2437	113.56	-	-	100.96	27.6	15.84	30.84	230	303	P	H
	*	2437	110.29	-	-	97.69	27.6	15.84	30.84	230	303	A	H
		2486.7	54.62	-19.38	74	42.06	27.47	15.91	30.82	230	303	P	H
		2489.01	44.64	-9.36	54	32.15	27.4	15.91	30.82	230	303	A	H
		2341.08	53.73	-20.27	74	41.21	27.7	15.7	30.88	395	55	P	V
		2379.58	43.26	-10.74	54	30.73	27.63	15.76	30.86	395	55	A	V
	*	2437	104.21	-	-	91.61	27.6	15.84	30.84	395	55	P	V
	*	2437	101.01	-	-	88.41	27.6	15.84	30.84	395	55	A	V
		2498.81	53.65	-20.35	74	41.13	27.4	15.93	30.81	395	55	P	V
		2499.65	42.96	-11.04	54	30.44	27.4	15.93	30.81	395	55	A	V



802.11b CH 11 2462MHz	*	2462	114.09	-	-	101.51	27.53	15.88	30.83	228	293	P	H
	*	2462	110.97	-	-	98.39	27.53	15.88	30.83	228	293	A	H
		2489.56	57.48	-16.52	74	44.98	27.4	15.92	30.82	228	293	P	H
		2490.52	50.63	-3.37	54	38.13	27.4	15.92	30.82	228	293	A	H
													H
													H
	*	2462	104.33	-	-	91.75	27.53	15.88	30.83	356	60	P	V
	*	2462	101.26	-	-	88.68	27.53	15.88	30.83	356	60	A	V
		2488.84	54.23	-19.77	74	41.74	27.4	15.91	30.82	356	60	P	V
		2488.76	43.55	-10.45	54	31.06	27.4	15.91	30.82	356	60	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	43.51	-30.49	74	61.77	31.3	8.5	58.06	100	0	P	H
													H
													H
													H
		4824	39.28	-34.72	74	57.54	31.3	8.5	58.06	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	44.14	-29.86	74	62.29	31.3	8.65	58.1	100	0	P	H
		7311	44.36	-29.64	74	55.23	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	41.86	-32.14	74	60.01	31.3	8.65	58.1	100	0	P	V
		7311	43.84	-30.16	74	54.71	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	43.17	-30.83	74	61.14	31.37	8.8	58.14	100	0	P	H
		7386	44.37	-29.63	74	54.91	36.5	11.28	58.32	100	0	P	H
													H
													H
		4924	40.49	-33.51	74	58.46	31.37	8.8	58.14	100	0	P	V
		7386	44.08	-29.92	74	54.62	36.5	11.28	58.32	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	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		2388.645	61.15	-12.85	74	48.64	27.6	15.77	30.86	231	296	P	H
		2389.905	50.51	-3.49	54	37.99	27.6	15.77	30.85	231	296	A	H
	*	2412	114.37	-	-	101.81	27.6	15.81	30.85	231	296	P	H
	*	2412	106.65	-	-	94.09	27.6	15.81	30.85	231	296	A	H
													H
													H
		2354.835	54.73	-19.27	74	42.22	27.67	15.72	30.88	360	51	P	V
		2390	44.33	-9.67	54	31.8	27.6	15.78	30.85	360	51	A	V
	*	2412	104.62	-	-	92.06	27.6	15.81	30.85	360	51	P	V
	*	2412	97.25	-	-	84.69	27.6	15.81	30.85	360	51	A	V
													V
													V
802.11g CH 06 2437MHz		2373.28	56.19	-17.81	74	43.67	27.63	15.75	30.86	205	292	P	H
		2379.44	46.12	-7.88	54	33.59	27.63	15.76	30.86	205	292	A	H
	*	2437	114.36	-	-	101.76	27.6	15.84	30.84	205	292	P	H
	*	2437	106.93	-	-	94.33	27.6	15.84	30.84	205	292	A	H
		2488.1	56.84	-17.16	74	44.35	27.4	15.91	30.82	205	292	P	H
		2483.5	46.25	-7.75	54	33.69	27.47	15.91	30.82	205	292	A	H
		2366.7	54.1	-19.9	74	41.55	27.67	15.74	30.86	323	64	P	V
		2389.94	43.08	-10.92	54	30.56	27.6	15.77	30.85	323	64	A	V
	*	2437	104.81	-	-	92.21	27.6	15.84	30.84	323	64	P	V
	*	2437	97.03	-	-	84.43	27.6	15.84	30.84	323	64	A	V
		2497.76	53.98	-20.02	74	41.46	27.4	15.93	30.81	323	64	P	V
		2484.95	42.92	-11.08	54	30.36	27.47	15.91	30.82	323	64	A	V



802.11g CH 11 2462MHz	*	2462	112	-	-	99.42	27.53	15.88	30.83	228	298	P	H
	*	2462	104.31	-	-	91.73	27.53	15.88	30.83	228	298	A	H
		2484.64	62.8	-11.2	74	50.24	27.47	15.91	30.82	228	298	P	H
		2483.52	50.97	-3.03	54	38.41	27.47	15.91	30.82	228	298	A	H
													H
													H
	*	2462	101.86	-	-	89.28	27.53	15.88	30.83	354	61	P	V
	*	2462	94.62	-	-	82.04	27.53	15.88	30.83	354	61	A	V
		2484.4	55.13	-18.87	74	42.57	27.47	15.91	30.82	354	61	P	V
		2483.52	44.29	-9.71	54	31.73	27.47	15.91	30.82	354	61	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	40.02	-33.98	74	58.28	31.3	8.5	58.06	100	0	P	H
													H
													H
													H
		4824	39.27	-34.73	74	57.53	31.3	8.5	58.06	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	40.52	-33.48	74	58.67	31.3	8.65	58.1	100	0	P	H
		7311	44.02	-29.98	74	54.89	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	39.47	-34.53	74	57.62	31.3	8.65	58.1	100	0	P	V
		7311	45.19	-28.81	74	56.06	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	39.92	-34.08	74	57.89	31.37	8.8	58.14	100	0	P	H
		7386	44.87	-29.13	74	55.41	36.5	11.28	58.32	100	0	P	H
													H
													H
		4924	38.97	-35.03	74	56.94	31.37	8.8	58.14	100	0	P	V
		7386	44.97	-29.03	74	55.51	36.5	11.28	58.32	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 802.11g (LF)

[illegible]



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preampl	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		2387.595	54.97	-19.03	74	42.46	27.6	15.77	30.86	364	329	P	H
		2385.81	46.23	-7.77	54	33.72	27.6	15.77	30.86	364	329	A	H
	*	2412	109.53	-	-	96.97	27.6	15.81	30.85	364	329	P	H
	*	2412	106.42	-	-	93.86	27.6	15.81	30.85	364	329	A	H
													H
													H
		2388.855	54.12	-19.88	74	41.61	27.6	15.77	30.86	369	272	P	V
		2385.285	43.51	-10.49	54	30.97	27.63	15.77	30.86	369	272	A	V
	*	2412	103.73	-	-	91.17	27.6	15.81	30.85	369	272	P	V
	*	2412	100.61	-	-	88.05	27.6	15.81	30.85	369	272	A	V
													V
													V
802.11b CH 06 2437MHz		2372.58	54.21	-19.79	74	41.69	27.63	15.75	30.86	400	325	P	H
		2388.4	43.45	-10.55	54	30.94	27.6	15.77	30.86	400	325	A	H
	*	2437	110.51	-	-	97.91	27.6	15.84	30.84	400	325	P	H
	*	2437	107.26	-	-	94.66	27.6	15.84	30.84	400	325	A	H
		2486.7	53.98	-20.02	74	41.42	27.47	15.91	30.82	400	325	P	H
		2484.95	43.9	-10.1	54	31.34	27.47	15.91	30.82	400	325	A	H
		2388.12	53.93	-20.07	74	41.42	27.6	15.77	30.86	367	263	P	V
		2357.6	43.08	-10.92	54	30.56	27.67	15.73	30.88	367	263	A	V
	*	2437	104.65	-	-	92.05	27.6	15.84	30.84	367	263	P	V
	*	2437	101.4	-	-	88.8	27.6	15.84	30.84	367	263	A	V
		2484.53	53.42	-20.58	74	40.86	27.47	15.91	30.82	367	263	P	V
		2495.87	42.93	-11.07	54	30.42	27.4	15.92	30.81	367	263	A	V



802.11b CH 11 2462MHz	*	2462	110.41	-	-	97.83	27.53	15.88	30.83	390	321	P	H
	*	2462	107.33	-	-	94.75	27.53	15.88	30.83	390	321	A	H
		2487.48	56.21	-17.79	74	43.65	27.47	15.91	30.82	390	321	P	H
		2487.6	46.93	-7.07	54	34.44	27.4	15.91	30.82	390	321	A	H
													H
													H
	*	2462	105.72	-	-	93.14	27.53	15.88	30.83	400	236	P	V
	*	2462	102.44	-	-	89.86	27.53	15.88	30.83	400	236	A	V
		2493.08	54.19	-19.81	74	41.68	27.4	15.92	30.81	400	236	P	V
		2487.4	44.33	-9.67	54	31.77	27.47	15.91	30.82	400	236	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	38.86	-35.14	74	57.12	31.3	8.5	58.06	100	0	P	H
													H
													H
													H
		4824	39.66	-34.34	74	57.92	31.3	8.5	58.06	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	39.81	-34.19	74	57.96	31.3	8.65	58.1	100	0	P	H
		7311	44.7	-29.3	74	55.57	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	40	-34	74	58.15	31.3	8.65	58.1	100	0	P	V
		7311	44.24	-29.76	74	55.11	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	40.13	-33.87	74	58.1	31.37	8.8	58.14	100	0	P	H
		7386	44.51	-29.49	74	55.05	36.5	11.28	58.32	100	0	P	H
													H
													H
		4924	38.94	-35.06	74	56.91	31.37	8.8	58.14	100	0	P	V
		7386	44.54	-29.46	74	55.08	36.5	11.28	58.32	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		2389.275	58.23	-15.77	74	45.72	27.6	15.77	30.86	400	328	P	H
		2390	48.06	-5.94	54	35.53	27.6	15.78	30.85	400	328	A	H
	*	2412	110.18	-	-	97.62	27.6	15.81	30.85	400	328	P	H
	*	2412	102.41	-	-	89.85	27.6	15.81	30.85	400	328	A	H
													H
													H
		2378.985	54.03	-19.97	74	41.5	27.63	15.76	30.86	397	182	P	V
		2390	44.12	-9.88	54	31.59	27.6	15.78	30.85	397	182	A	V
	*	2412	100.54	-	-	87.98	27.6	15.81	30.85	397	182	P	V
	*	2412	93.03	-	-	80.47	27.6	15.81	30.85	397	182	A	V
													V
													V
802.11g CH 06 2437MHz		2382.1	53.86	-20.14	74	41.33	27.63	15.76	30.86	400	330	P	H
		2389.94	43.82	-10.18	54	31.3	27.6	15.77	30.85	400	330	A	H
	*	2437	110.94	-	-	98.34	27.6	15.84	30.84	400	330	P	H
	*	2437	103.32	-	-	90.72	27.6	15.84	30.84	400	330	A	H
		2489.15	54.35	-19.65	74	41.86	27.4	15.91	30.82	400	330	P	H
		2483.97	44.15	-9.85	54	31.59	27.47	15.91	30.82	400	330	A	H
		2379.02	54.13	-19.87	74	41.6	27.63	15.76	30.86	369	259	P	V
		2389.52	42.91	-11.09	54	30.4	27.6	15.77	30.86	369	259	A	V
	*	2437	105.54	-	-	92.94	27.6	15.84	30.84	369	259	P	V
	*	2437	98.05	-	-	85.45	27.6	15.84	30.84	369	259	A	V
		2490.2	52.7	-21.3	74	40.2	27.4	15.92	30.82	369	259	P	V
		2484.74	42.73	-11.27	54	30.17	27.47	15.91	30.82	369	259	A	V



802.11g CH 11 2462MHz	*	2462	111.92	-	-	99.34	27.53	15.88	30.83	391	321	P	H
	*	2462	103.97	-	-	91.39	27.53	15.88	30.83	391	321	A	H
		2483.64	58.59	-15.41	74	46.03	27.47	15.91	30.82	391	321	P	H
		2483.52	48.93	-5.07	54	36.37	27.47	15.91	30.82	391	321	A	H
													H
													H
	*	2462	105.77	-	-	93.19	27.53	15.88	30.83	400	253	P	V
	*	2462	98.38	-	-	85.8	27.53	15.88	30.83	400	253	A	V
		2484.2	55.84	-18.16	74	43.28	27.47	15.91	30.82	400	253	P	V
		2483.52	45.37	-8.63	54	32.81	27.47	15.91	30.82	400	253	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	39.52	-34.48	74	57.78	31.3	8.5	58.06	100	0	P	H
													H
													H
													H
		4824	39.14	-34.86	74	57.4	31.3	8.5	58.06	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	40.35	-33.65	74	58.5	31.3	8.65	58.1	100	0	P	H
		7311	44.53	-29.47	74	55.4	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	39.93	-34.07	74	58.08	31.3	8.65	58.1	100	0	P	V
		7311	45.42	-28.58	74	56.29	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	39.82	-34.18	74	57.79	31.37	8.8	58.14	100	0	P	H
		7386	44.54	-29.46	74	55.08	36.5	11.28	58.32	100	0	P	H
													H
													H
		4924	39.99	-34.01	74	57.96	31.37	8.8	58.14	100	0	P	V
		7386	45.08	-28.92	74	55.62	36.5	11.28	58.32	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 802.11g (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)
2.4GHz 802.11g LF		153.19	34.27	-9.23	43.5	48.25	16.9	1.48	32.5	-	-	P	H
		160.95	36.16	-7.34	43.5	50.56	16.41	1.52	32.5	-	-	P	H
		229.82	39.13	-6.87	46	53.54	16.18	1.81	32.51	100	0	P	H
		237.58	37.53	-8.47	46	51.06	17.01	1.84	32.51	-	-	P	H
		254.07	36.95	-9.05	46	48.32	19.09	1.9	32.52	-	-	P	H
		388.9	32.41	-13.59	46	41.05	21.46	2.37	32.55	-	-	P	H
													H
													H
													H
													H
													H
													H
		46.49	32.94	-7.06	40	48.49	16.21	0.82	32.6	100	0	P	V
		153.19	33.22	-10.28	43.5	47.2	16.9	1.48	32.5	-	-	P	V
		160.95	35.24	-8.26	43.5	49.64	16.41	1.52	32.5	-	-	P	V
		230.79	37.1	-8.9	46	51.4	16.28	1.82	32.51	-	-	P	V
		254.07	33.18	-12.82	46	44.55	19.09	1.9	32.52	-	-	P	V
		460.68	31.82	-14.18	46	38.44	23.31	2.53	32.56	-	-	P	V
													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 802.11n HT20 (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)
802.11n HT20 CH 01 2412MHz		2390	60.56	-13.44	74	48.03	27.6	15.78	30.85	314	293	P	H
		2390	48.49	-5.51	54	35.96	27.6	15.78	30.85	314	293	A	H
	*	2412	108.39	-	-	95.83	27.6	15.81	30.85	314	293	P	H
	*	2412	100.8	-	-	88.24	27.6	15.81	30.85	314	293	A	H
													H
													H
		2389.695	61.47	-12.53	74	48.96	27.6	15.77	30.86	267	42	P	V
		2390	50.58	-3.42	54	38.05	27.6	15.78	30.85	267	42	A	V
	*	2412	112.9	-	-	100.34	27.6	15.81	30.85	267	42	P	V
	*	2412	105.41	-	-	92.85	27.6	15.81	30.85	267	42	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2330.72	54.81	-19.19	74	42.24	27.77	15.69	30.89	306	288	P	H
		2389.94	44.7	-9.3	54	32.18	27.6	15.77	30.85	306	288	A	H
	*	2437	111.76	-	-	99.16	27.6	15.84	30.84	306	288	P	H
	*	2437	103.97	-	-	91.37	27.6	15.84	30.84	306	288	A	H
		2489.43	55.53	-18.47	74	43.03	27.4	15.92	30.82	306	288	P	H
		2483.69	44.65	-9.35	54	32.09	27.47	15.91	30.82	306	288	A	H
		2382.8	55.57	-18.43	74	43.04	27.63	15.76	30.86	292	41	P	V
		2389.94	46.12	-7.88	54	33.6	27.6	15.77	30.85	292	41	A	V
	*	2437	116.14	-	-	103.54	27.6	15.84	30.84	292	41	P	V
	*	2437	108.65	-	-	96.05	27.6	15.84	30.84	292	41	A	V
		2485.23	56.55	-17.45	74	43.99	27.47	15.91	30.82	292	41	P	V
		2483.55	46.89	-7.11	54	34.33	27.47	15.91	30.82	292	41	A	V



802.11n HT20 CH 11 2462MHz	*	2462	107.33	-	-	94.75	27.53	15.88	30.83	304	288	P	H
	*	2462	99.45	-	-	86.87	27.53	15.88	30.83	304	288	A	H
		2484.32	58.64	-15.36	74	46.08	27.47	15.91	30.82	304	288	P	H
		2483.52	47.54	-6.46	54	34.98	27.47	15.91	30.82	304	288	A	H
													H
													H
	*	2462	112.44	-	-	99.86	27.53	15.88	30.83	257	39	P	V
	*	2462	104.54	-	-	91.96	27.53	15.88	30.83	257	39	A	V
		2483.56	60.84	-13.16	74	48.28	27.47	15.91	30.82	257	39	P	V
		2483.64	49.85	-4.15	54	37.29	27.47	15.91	30.82	257	39	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)
802.11n HT20 CH 01 2412MHz		4824	39.05	-34.95	74	57.31	31.3	8.5	58.06	100	0	P	H
													H
													H
													H
		4824	38.81	-35.19	74	57.07	31.3	8.5	58.06	100	0	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	39	-35	74	57.15	31.3	8.65	58.1	100	0	P	H
		7311	44.4	-29.6	74	55.27	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	39.11	-34.89	74	57.26	31.3	8.65	58.1	100	0	P	V
		7311	44.76	-29.24	74	55.63	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	39.52	-34.48	74	57.49	31.37	8.8	58.14	100	0	P	H
		7386	44.64	-29.36	74	55.18	36.5	11.28	58.32	100	0	P	H
													H
													H
		4924	39.87	-34.13	74	57.84	31.37	8.8	58.14	100	0	P	V
		7386	45.22	-28.78	74	55.76	36.5	11.28	58.32	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		2384.48	54.79	-19.21	74	42.25	27.63	15.77	30.86	315	294	P	H
		2386.72	46.95	-7.05	54	34.44	27.6	15.77	30.86	315	294	A	H
	*	2422	98.75	-	-	86.17	27.6	15.82	30.84	315	294	P	H
	*	2422	90.83	-	-	78.25	27.6	15.82	30.84	315	294	A	H
		2492.37	53.21	-20.79	74	40.7	27.4	15.92	30.81	315	294	P	H
		2485.44	45.03	-8.97	54	32.47	27.47	15.91	30.82	315	294	A	H
		2387.98	57.62	-16.38	74	45.11	27.6	15.77	30.86	243	39	P	V
		2389.52	49.39	-4.61	54	36.88	27.6	15.77	30.86	243	39	A	V
	*	2422	102.51	-	-	89.93	27.6	15.82	30.84	243	39	P	V
	*	2422	94.89	-	-	82.31	27.6	15.82	30.84	243	39	A	V
		2484.88	53.1	-20.9	74	40.54	27.47	15.91	30.82	243	39	P	V
		2494.96	44.68	-9.32	54	32.17	27.4	15.92	30.81	243	39	A	V
802.11n HT40 CH 06 2437MHz		2389.94	55.02	-18.98	74	42.5	27.6	15.77	30.85	308	289	P	H
		2389.8	47.09	-6.91	54	34.57	27.6	15.77	30.85	308	289	A	H
	*	2437	102.23	-	-	89.63	27.6	15.84	30.84	308	289	P	H
	*	2437	94.42	-	-	81.82	27.6	15.84	30.84	308	289	A	H
		2483.83	54.7	-19.3	74	42.14	27.47	15.91	30.82	308	289	P	H
		2483.5	45.99	-8.01	54	33.43	27.47	15.91	30.82	308	289	A	H
		2389.94	55.21	-18.79	74	42.69	27.6	15.77	30.85	293	42	P	V
		2389.8	47.25	-6.75	54	34.73	27.6	15.77	30.85	293	42	A	V
	*	2437	106.85	-	-	94.25	27.6	15.84	30.84	293	42	P	V
	*	2437	99.34	-	-	86.74	27.6	15.84	30.84	293	42	A	V
		2483.83	59.41	-14.59	74	46.85	27.47	15.91	30.82	293	42	P	V
		2483.69	49.57	-4.43	54	37.01	27.47	15.91	30.82	293	42	A	V



802.11n HT40 CH 09 2452MHz		2324.84	54.15	-19.85	74	41.59	27.77	15.68	30.89	312	288	P	H
		2361.8	44.86	-9.14	54	32.34	27.67	15.73	30.88	312	288	A	H
	*	2452	97.97	-	-	85.34	27.6	15.86	30.83	312	288	P	H
	*	2452	90.28	-	-	77.65	27.6	15.86	30.83	312	288	A	H
		2483.76	55.54	-18.46	74	42.98	27.47	15.91	30.82	312	288	P	H
		2483.97	48.42	-5.58	54	35.86	27.47	15.91	30.82	312	288	A	H
		2386.16	54.33	-19.67	74	41.82	27.6	15.77	30.86	296	41	P	V
		2387.56	45.07	-8.93	54	32.56	27.6	15.77	30.86	296	41	A	V
	*	2452	102.7	-	-	90.07	27.6	15.86	30.83	296	41	P	V
	*	2452	95.19	-	-	82.56	27.6	15.86	30.83	296	41	A	V
		2490.34	57.79	-16.21	74	45.29	27.4	15.92	30.82	296	41	P	V
		2489.85	49.51	-4.49	54	37.01	27.4	15.92	30.82	296	41	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	39.52	-34.48	74	57.74	31.3	8.56	58.08	100	0	P	H
		7266	45.77	-28.23	74	56.66	36.2	11.26	58.35	100	0	P	H
													H
													H
		4844	38.69	-35.31	74	56.91	31.3	8.56	58.08	100	0	P	V
		7266	44.66	-29.34	74	55.55	36.2	11.26	58.35	100	0	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	39.53	-34.47	74	57.68	31.3	8.65	58.1	100	0	P	H
		7311	43.81	-30.19	74	54.68	36.2	11.27	58.34	100	0	P	H
													H
													H
		4874	39.9	-34.1	74	58.05	31.3	8.65	58.1	100	0	P	V
		7311	45.06	-28.94	74	55.93	36.2	11.27	58.34	100	0	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	39.07	-34.93	74	57.12	31.33	8.74	58.12	100	0	P	H
		7356	44.01	-29.99	74	54.76	36.3	11.28	58.33	100	0	P	H
													H
													H
		4904	39.22	-34.78	74	57.27	31.33	8.74	58.12	100	0	P	V
		7356	45.32	-28.68	74	56.07	36.3	11.28	58.33	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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		153.19	33.6	-9.9	43.5	47.58	16.9	1.48	32.5	-	-	P	H
		160.95	36.57	-6.93	43.5	50.98	16.4	1.52	32.5	100	0	P	H
		230.79	39.79	-6.21	46	54.09	16.28	1.82	32.51	-	-	P	H
		237.58	36.97	-9.03	46	50.5	17.01	1.84	32.51	-	-	P	H
		253.1	38.54	-7.46	46	50.03	18.97	1.9	32.52	-	-	P	H
		386.96	32.4	-13.6	46	41.12	21.38	2.37	32.55	-	-	P	H
													H
													H
													H
													H
													H
													H
		47.46	33.31	-6.69	40	49.38	15.67	0.82	32.59	100	0	P	V
		153.19	32.25	-11.25	43.5	46.23	16.9	1.48	32.5	-	-	P	V
		160.95	35.31	-8.19	43.5	49.71	16.41	1.52	32.5	-	-	P	V
		230.79	37.65	-8.35	46	51.95	16.28	1.82	32.51	-	-	P	V
		253.1	33.54	-12.46	46	45.03	18.97	1.9	32.52	-	-	P	V
		414.12	35.22	-10.78	46	42.89	22.36	2.44	32.55	-	-	P	V
													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. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11b CH 01		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)

2. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Watt Tseng, Karl Hou, and BigShow Wang	Temperature :	24~26°C
		Relative Humidity :	47~58%

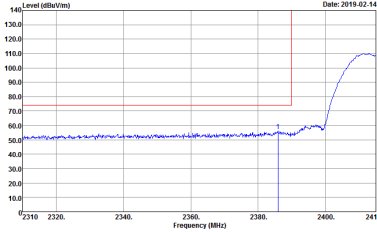
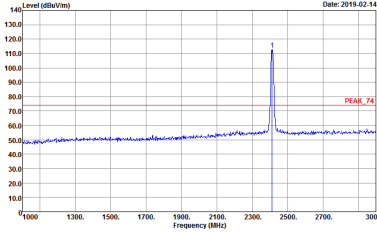
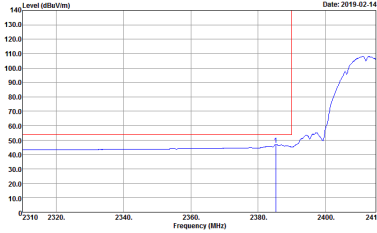
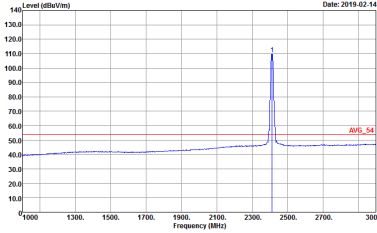
Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

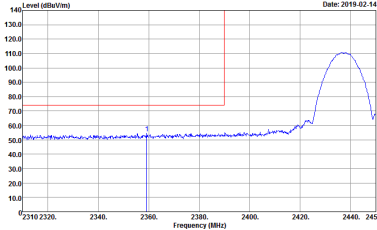
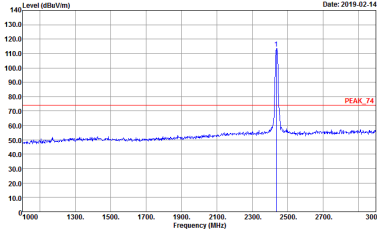
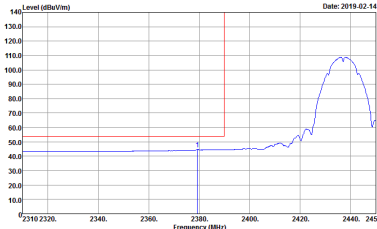
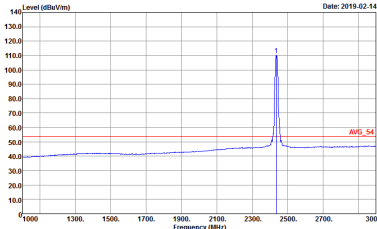
WIFI 802.11b (Band Edge @ 3m)

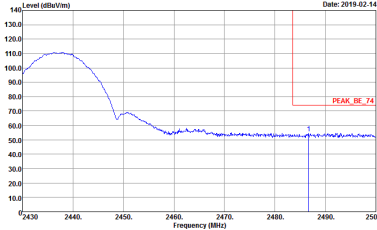
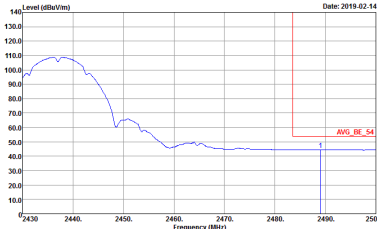
WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 9	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 9
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 912242 Mode : 9	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 912242 Mode : 9

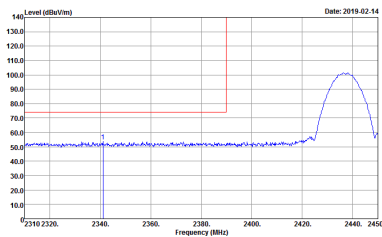
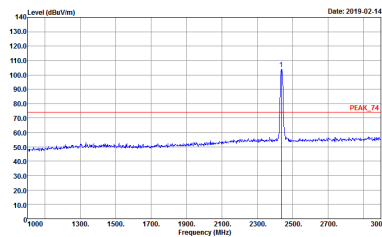
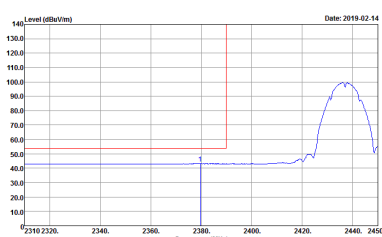
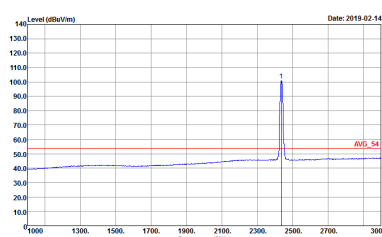


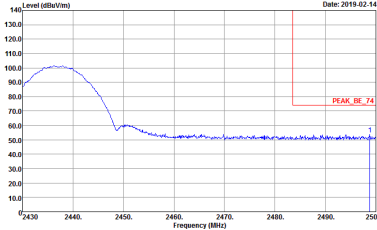
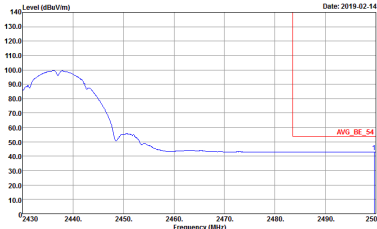
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 9	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 9
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 9	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 9

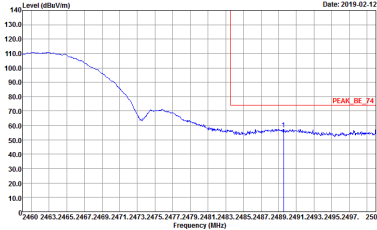
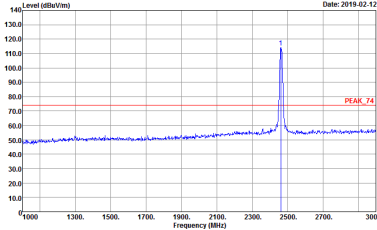
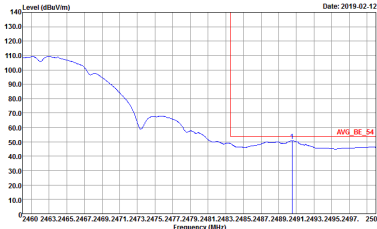
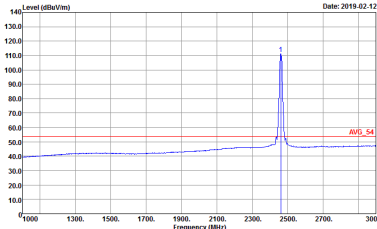


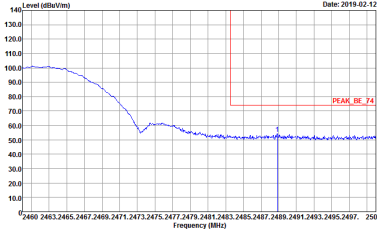
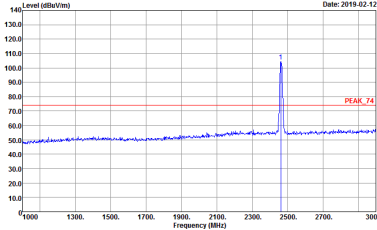
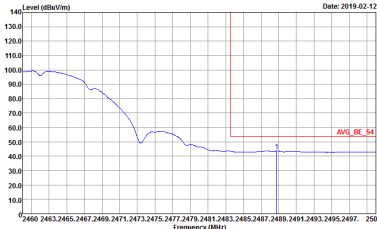
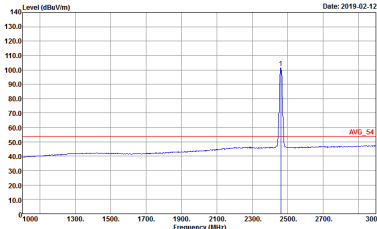
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 10	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 10
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 10	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 10

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : IO	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : IO	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 10	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 10
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 10	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 10

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : IO	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : IO	Left blank

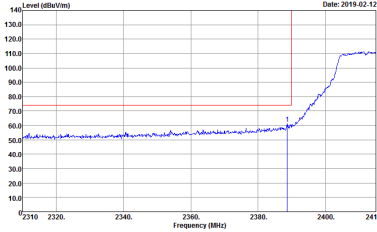
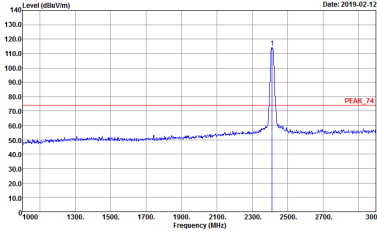
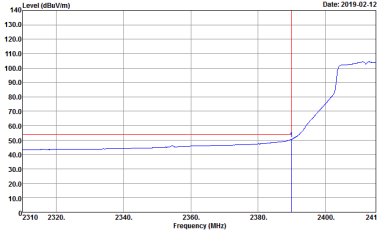
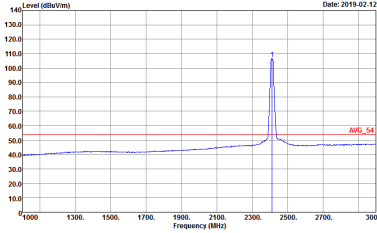
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 11	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 11
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 11	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 11

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 11	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 11
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 11	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 11
Avg.		

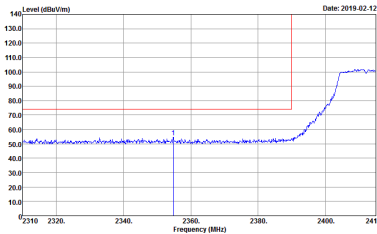
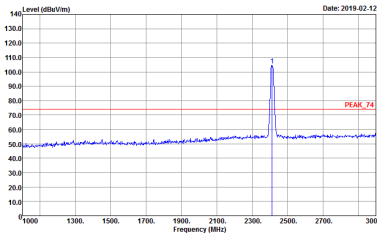
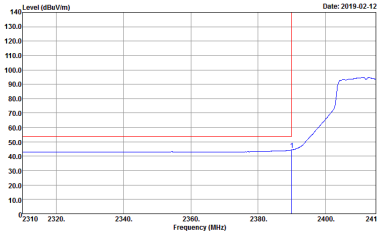
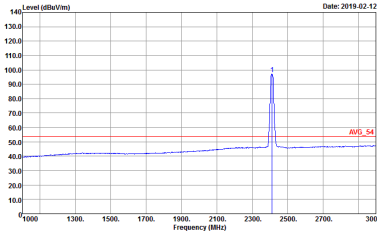


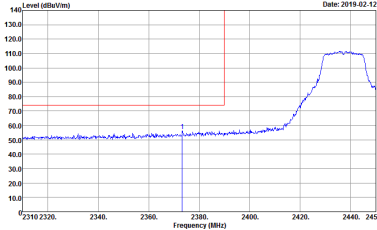
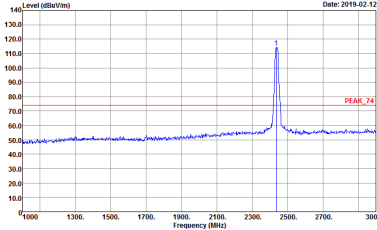
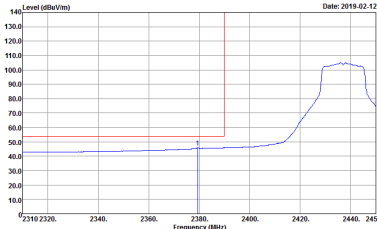
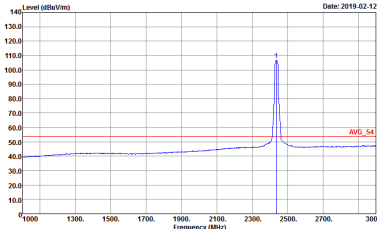
2.4GHz 2400~2483.5MHz

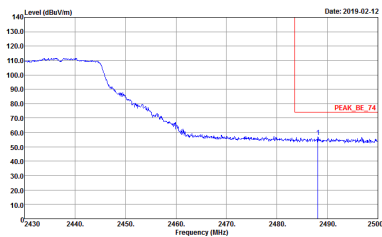
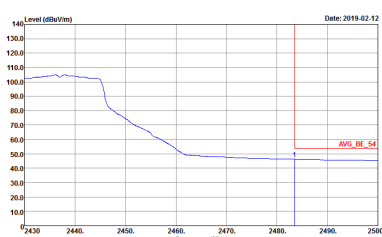
WIFI 802.11g (Band Edge @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12

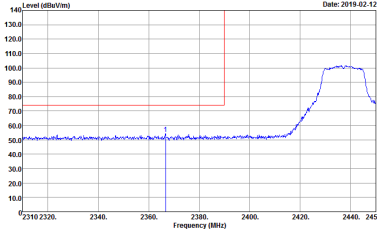
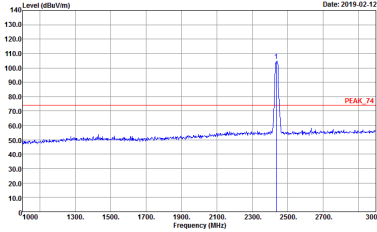
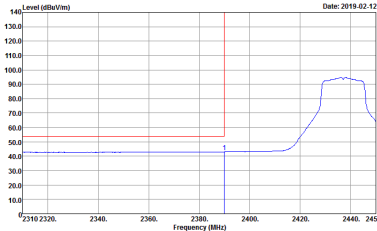
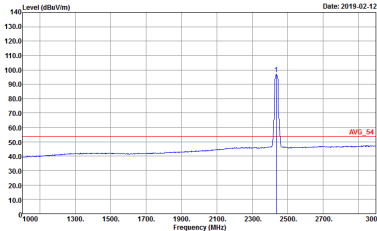


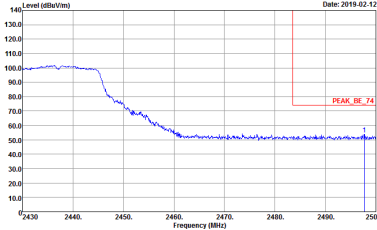
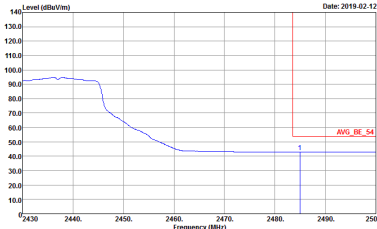
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 12

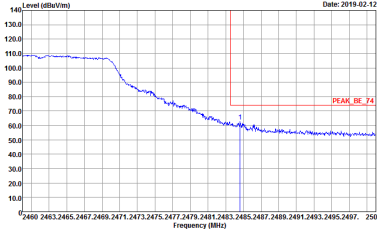
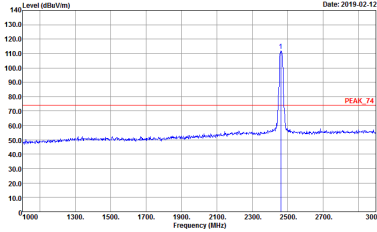
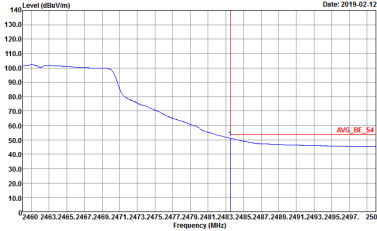
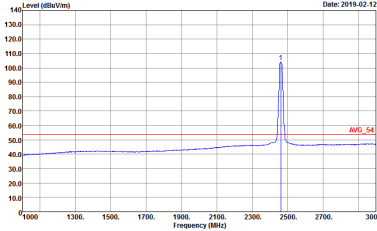
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13	Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 13	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 14 Setting : 14	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 14 Setting : 14
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 14 Setting : 14	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 14 Setting : 14

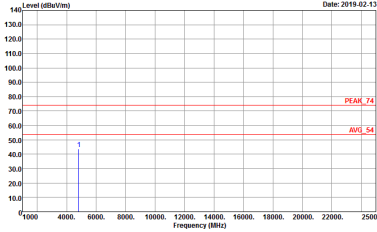
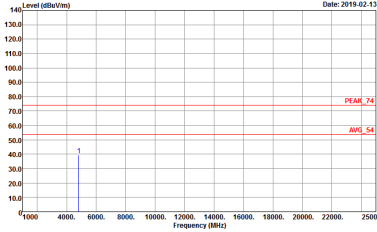


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 14 Setting : 14	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 14 Setting : 14
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 14 Setting : 14	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 14 Setting : 14



2.4GHz 2400~2483.5MHz

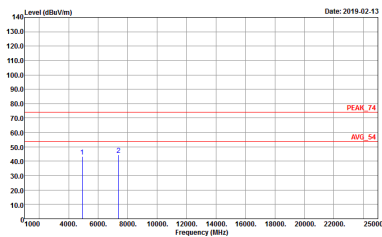
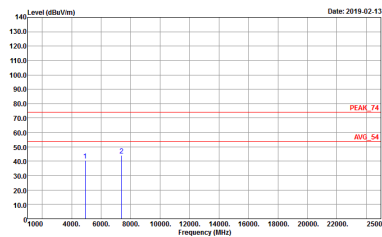
WIFI 802.11b (Harmonic @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Harmonic @ 3m 802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 9	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 9



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 10	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 10

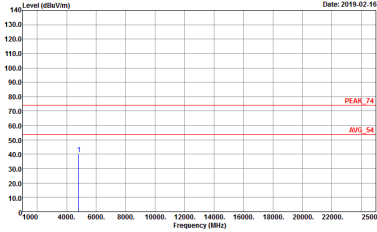
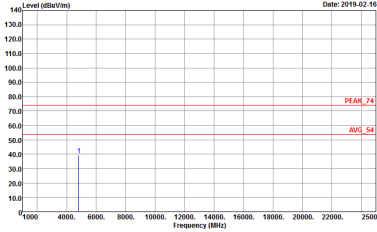


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 11	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 11

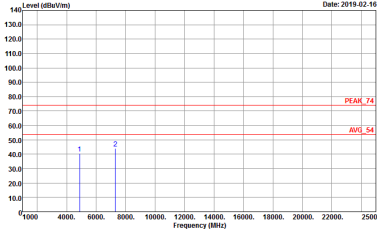
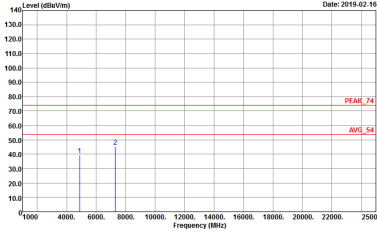


2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Harmonic @ 3m 802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 12	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 12

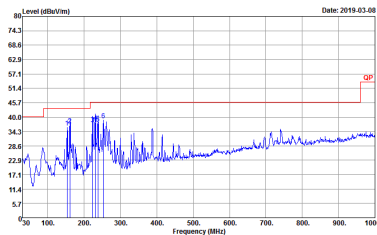
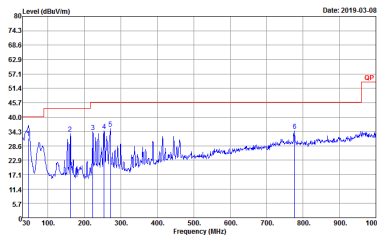


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 13	 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 13



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 14 Setting : 14	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 14 Setting : 14

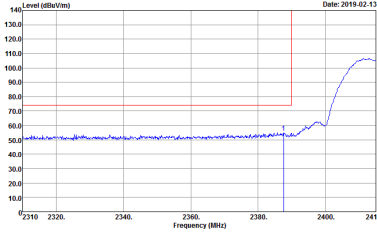
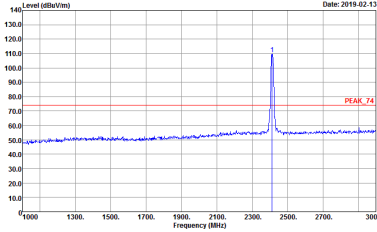
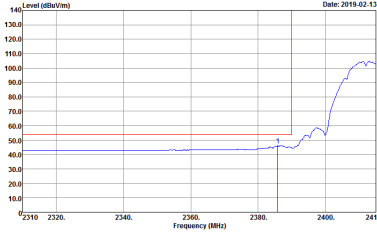
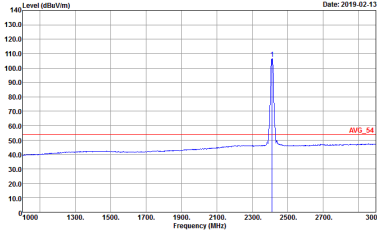
Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

WIFI ANT	2.4GHz 2400~2483.5MHz 802.11g LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m BTL06_15_41912 HORIZONTAL Detector : Peak Project : 912242 Mode : 15	 Site : 03CH15-HY Condition : QP 3m BTL06_15_41912 VERTICAL Detector : Peak Project : 912242 Mode : 15

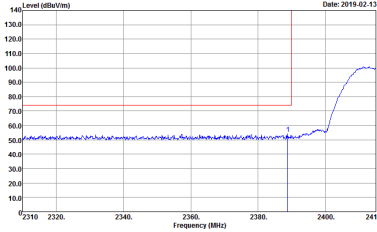
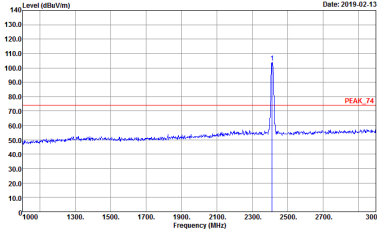
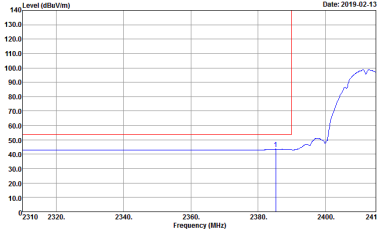
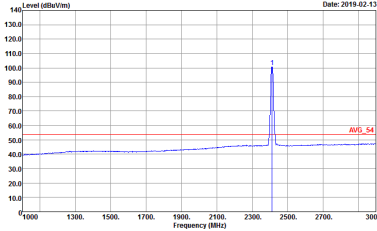


2.4GHz 2400~2483.5MHz

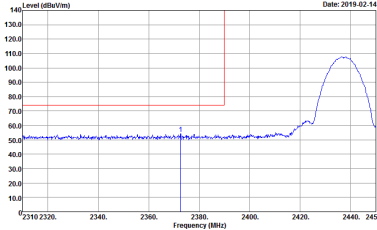
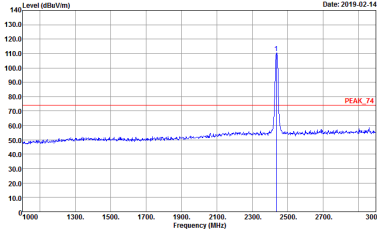
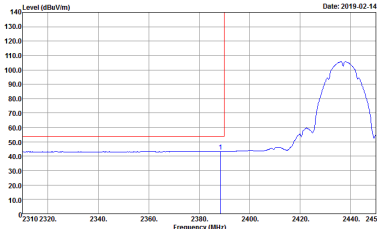
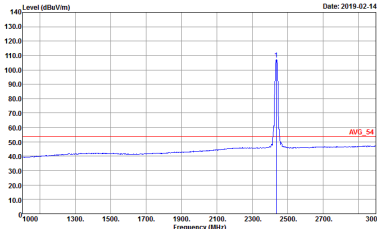
WIFI 802.11b (Band Edge @ 3m)

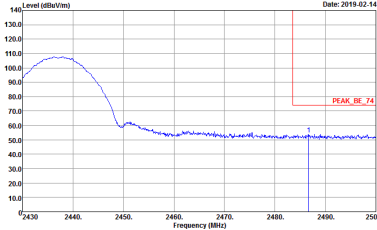
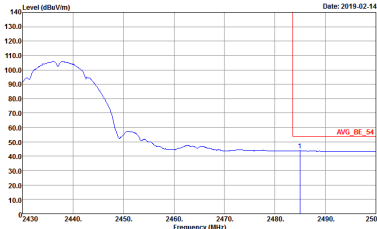
WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11b CH01 2412MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16

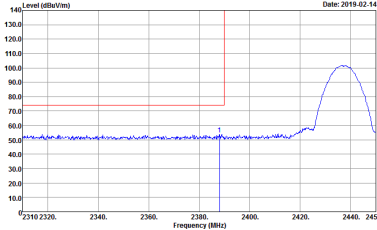
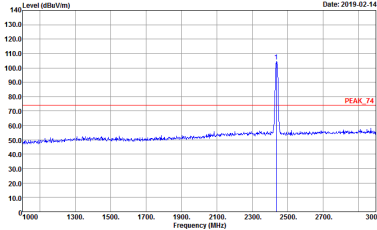
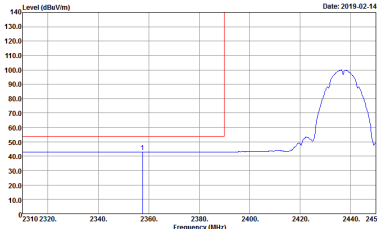
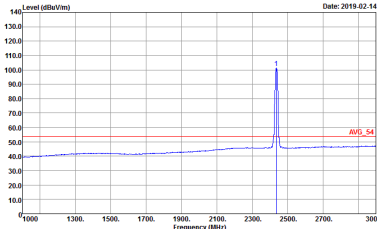


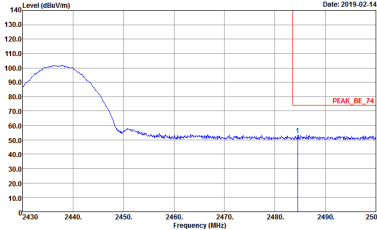
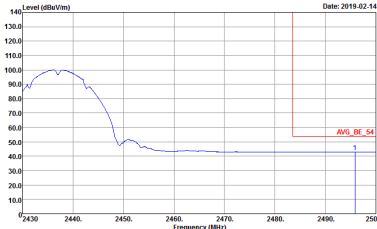
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 16



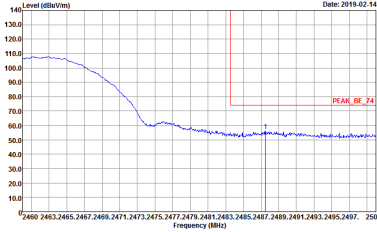
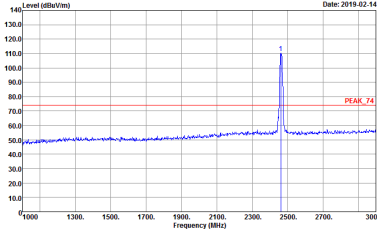
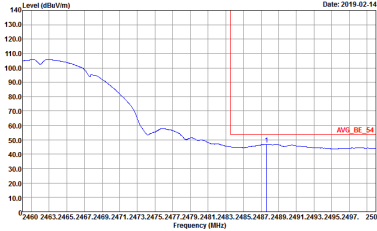
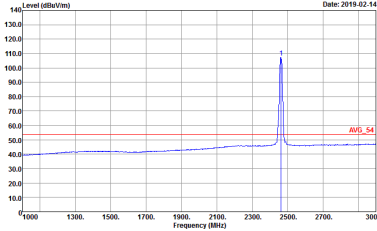
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 17
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 17

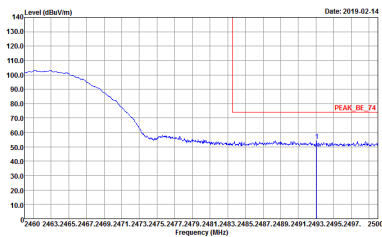
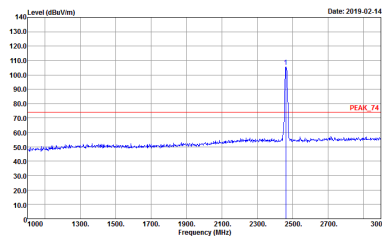
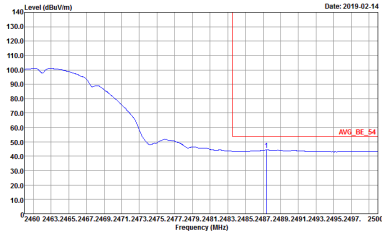
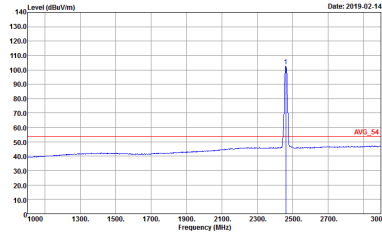
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 17	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 17
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 17	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 17

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 17	Left blank



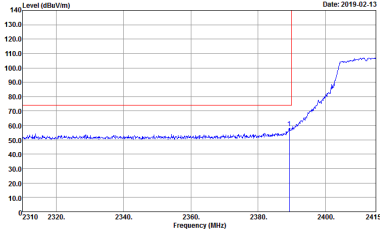
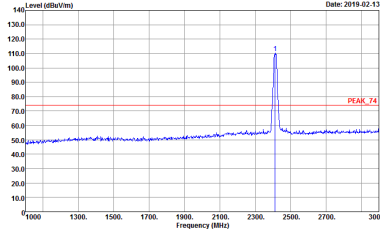
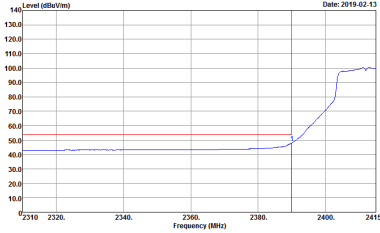
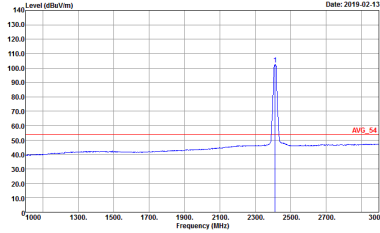
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 1B	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 1B
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 1B	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 1B

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 1B	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 1B
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 1B	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 1B
Avg.		

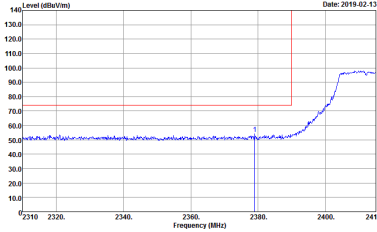
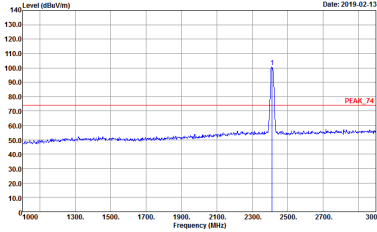
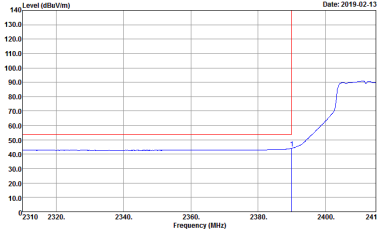
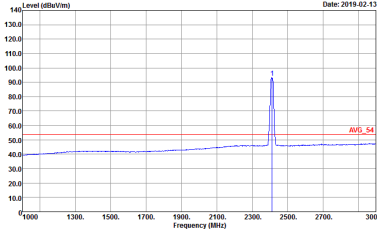


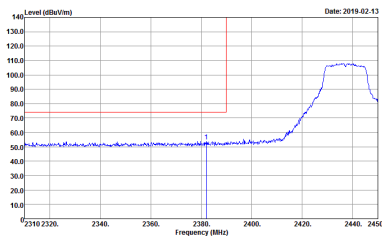
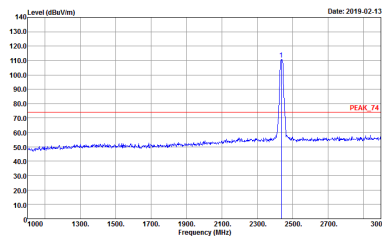
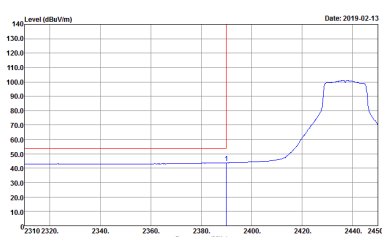
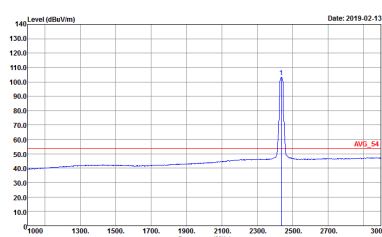
2.4GHz 2400~2483.5MHz

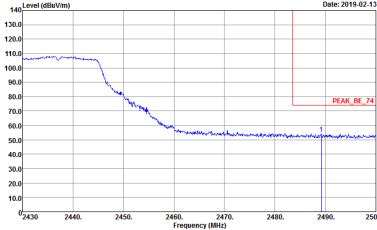
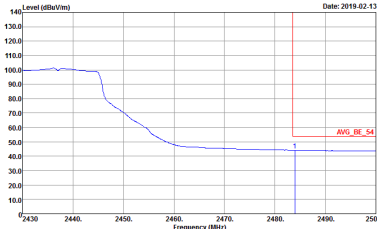
WIFI 802.11g (Band Edge @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11g CH01 2412MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19

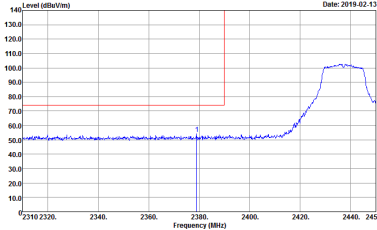
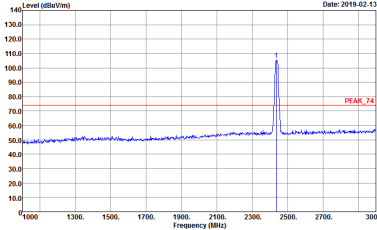
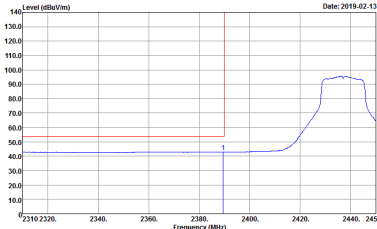
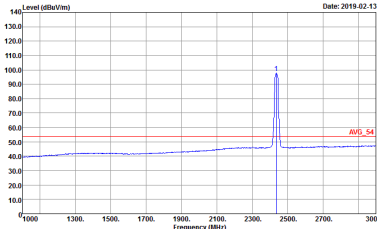


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 19

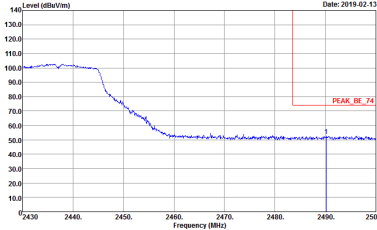
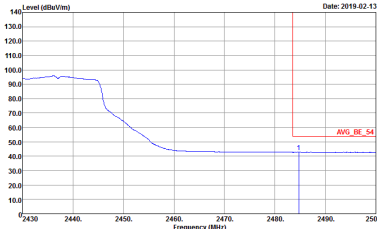
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 20	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 20
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 20	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 20

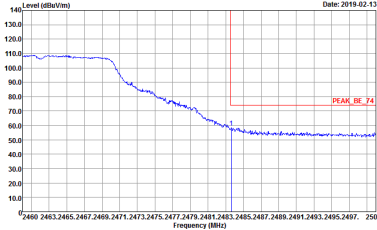
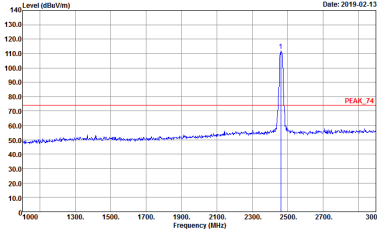
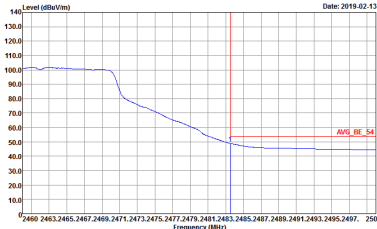
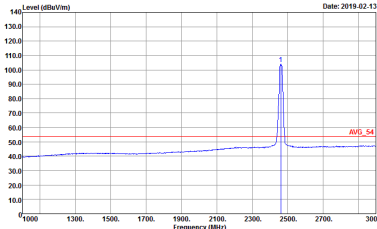
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z0	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z0	Left blank



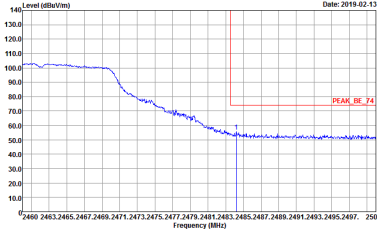
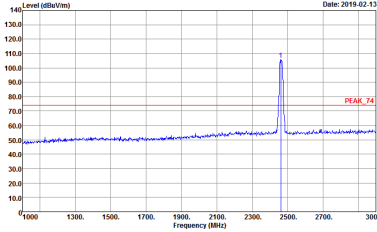
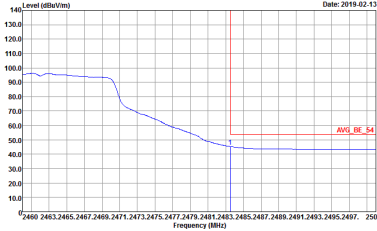
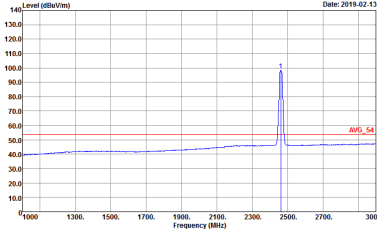
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 20	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 20
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 20	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 20



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z0	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z0	Left Blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z1	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z1
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z1	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : Z1

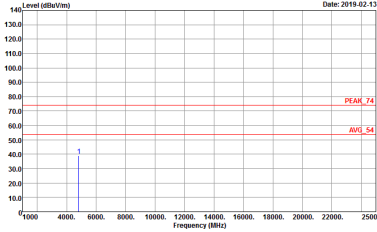
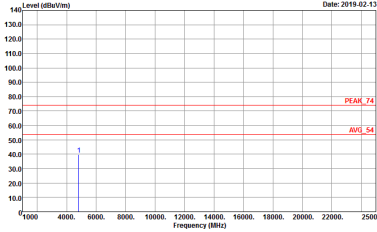


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z1	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z1
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z1	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : Z1



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Harmonic @ 3m 802.11b CH01 2412MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 16	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 16



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-02-13 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 17	Level (dBuV/m) Date: 2019-02-13 Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 17

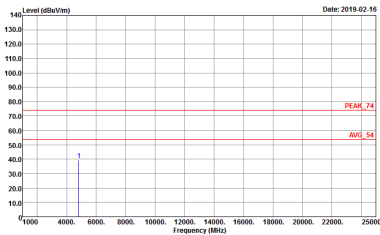
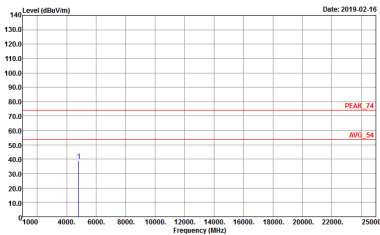


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-02-13 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 18	Level (dBuV/m) Date: 2019-02-13 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 18



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 19	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 19

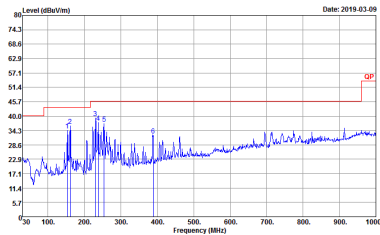
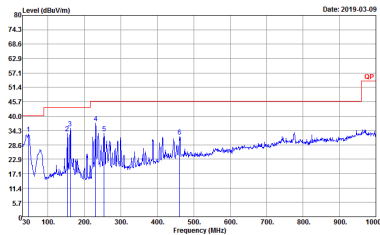


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
2	Horizontal	Vertical
Peak Avg.	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 20	Site : 03CH15-11Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 20

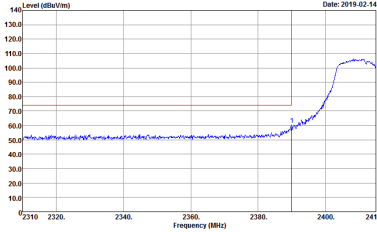
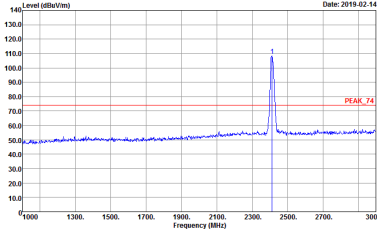
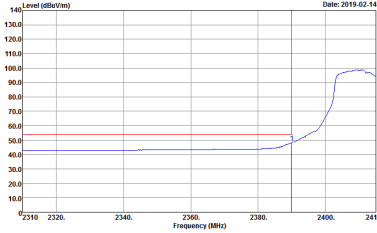
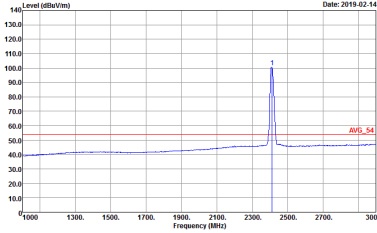


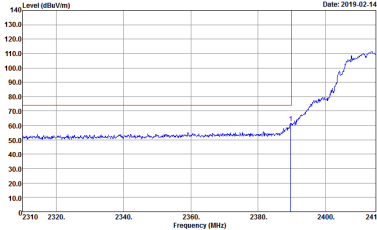
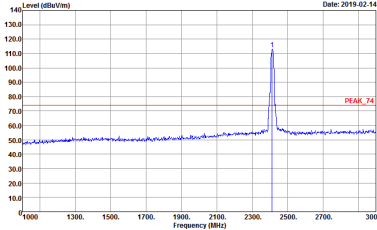
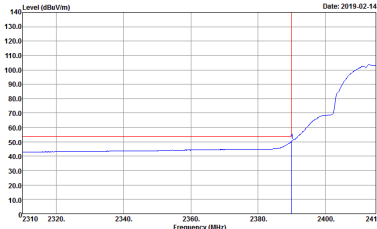
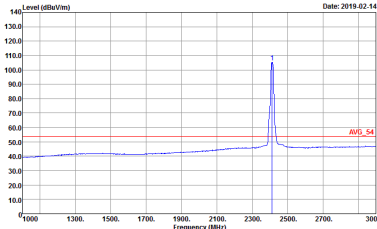
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 21	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 21

Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

WIFI ANT	2.4GHz 2400~2483.5MHz 802.11g LF	
2	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m BIL06_15_41912 HORIZONTAL Detector : Peak Project : 912242 Mode : 22	 Site : 03CH15-HY Condition : QP 3m BIL06_15_41912 VERTICAL Detector : Peak Project : 912242 Mode : 22

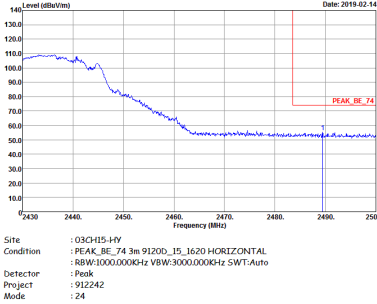
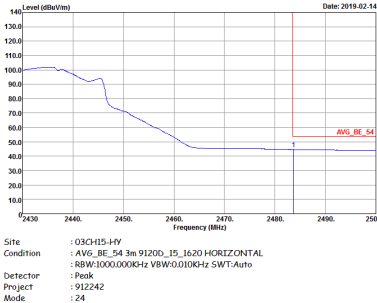
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

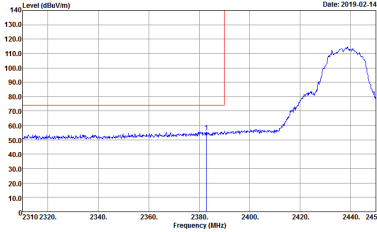
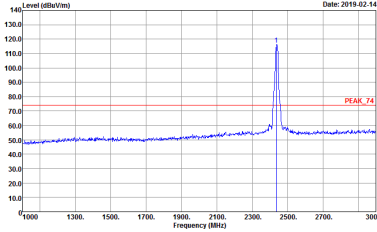
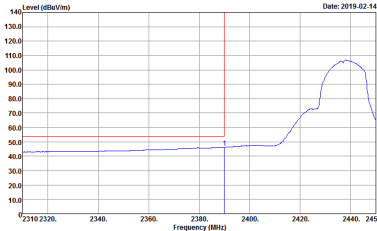
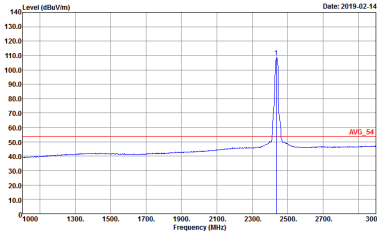
WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : Z3 setting : 14	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : Z3 setting : 14
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : Z3 setting : 14	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : Z3 setting : 14

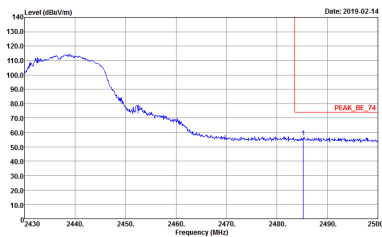
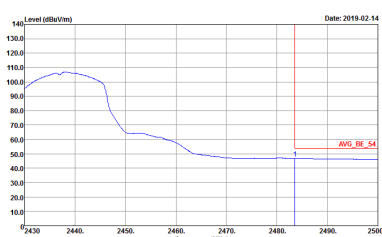
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 23 setting : 14	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 23 setting : 14
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 23 setting : 14	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 23 setting : 14



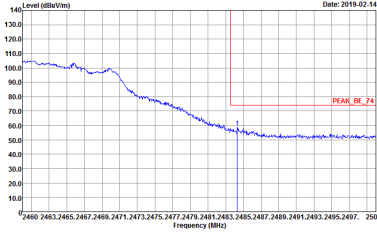
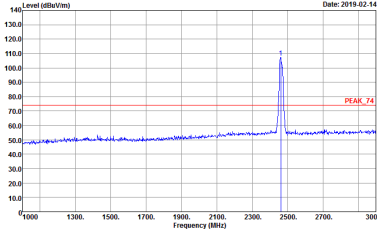
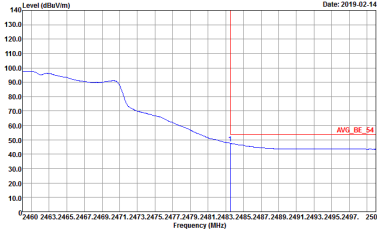
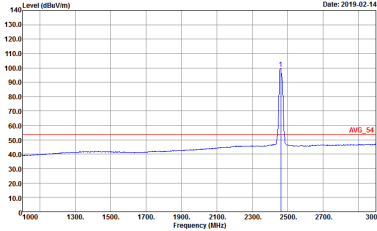
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 24	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 24
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 24	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 24

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

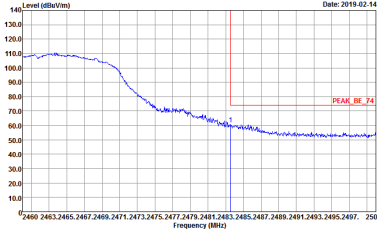
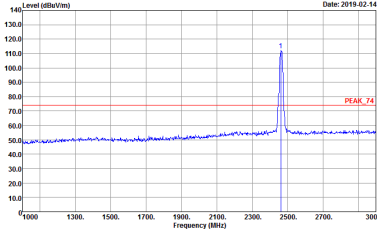
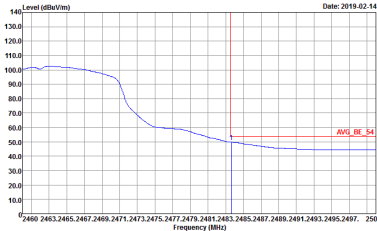
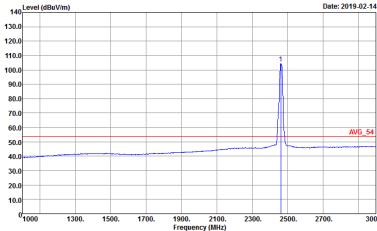
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24
	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24	Left Blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5

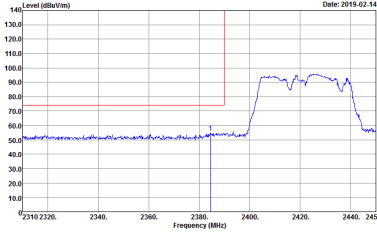
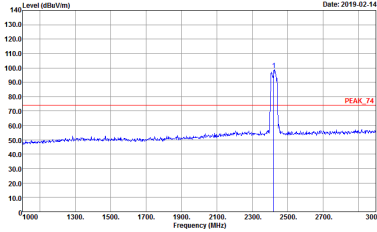
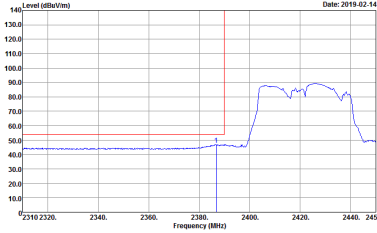
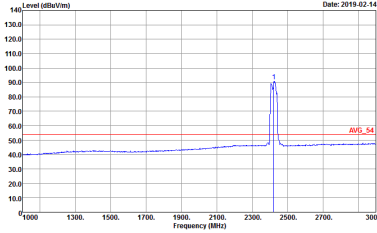


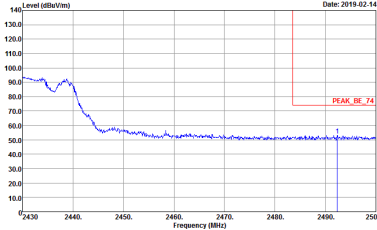
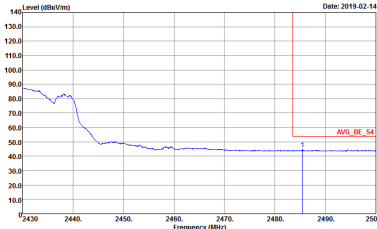
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 912242 Mode : 25 Setting : 12.5



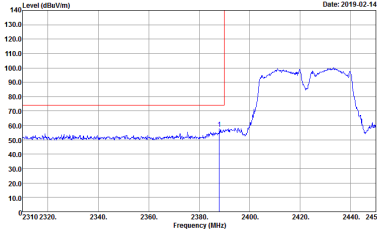
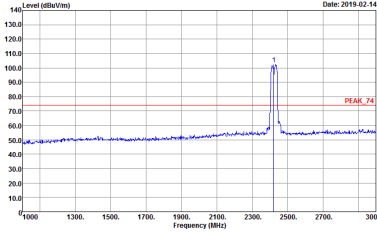
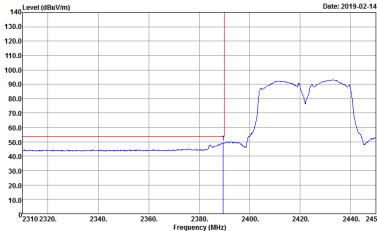
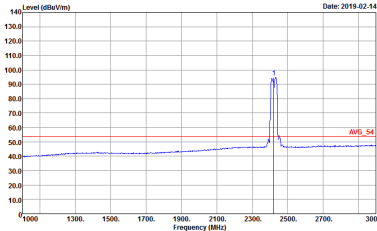
2.4GHz 2400~2483.5MHz

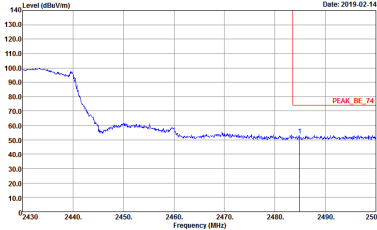
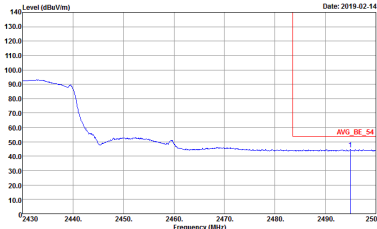
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Band Edge @ 3m 802.11n HT40 CH03 2422MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5

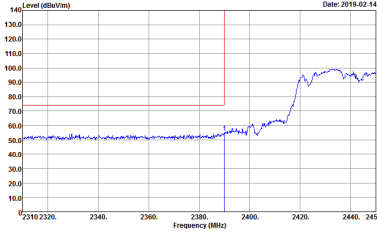
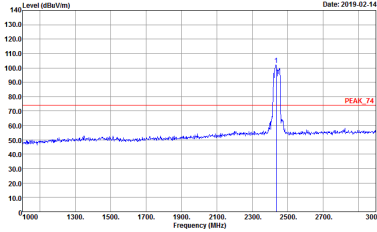
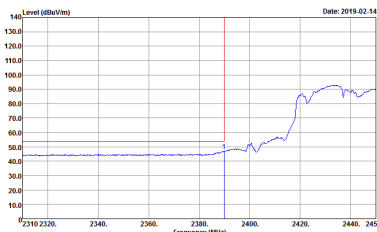
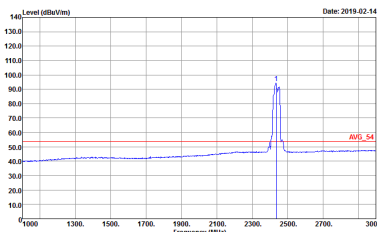
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	Left Blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	Left Blank

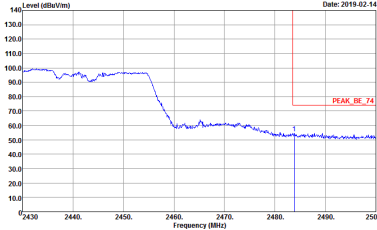
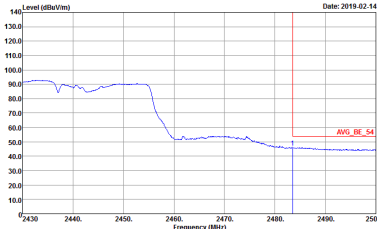


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5

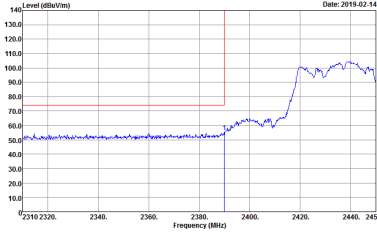
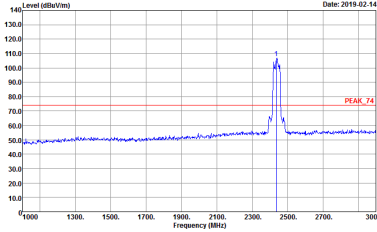
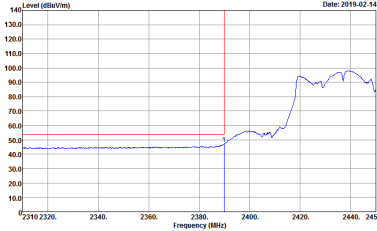
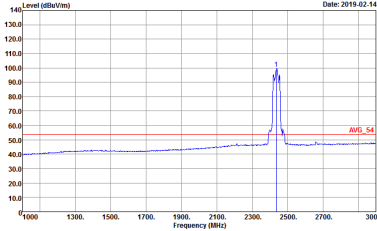
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 26 Setting : 5.5	Left blank



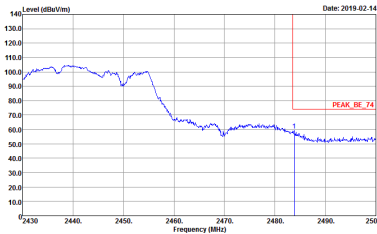
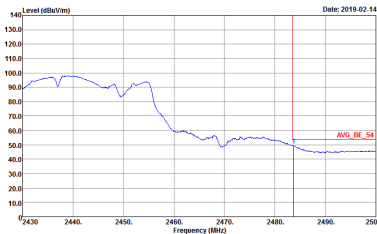
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	Left blank



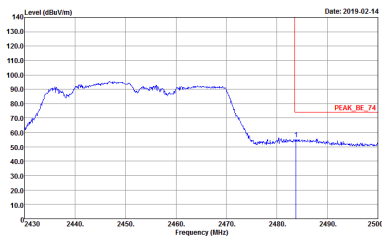
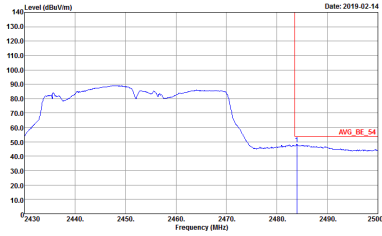
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5



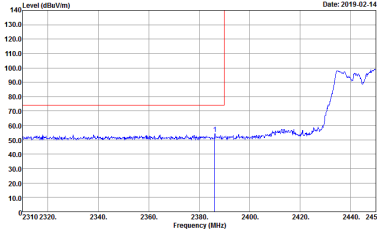
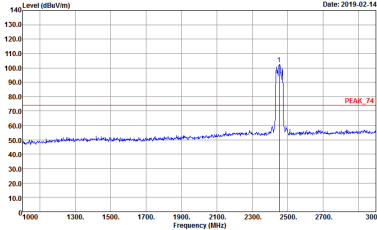
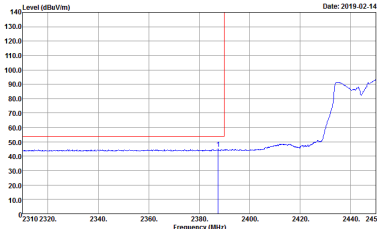
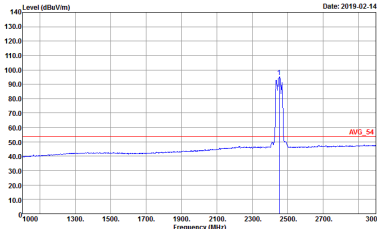
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 27 Setting : 8.5	Left blank

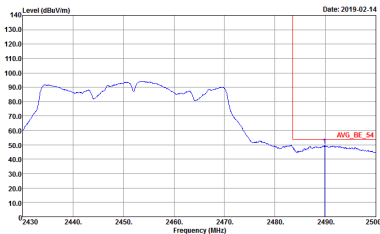


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5	Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5	Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : ZB Setting : 5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 912242 Mode : ZB Setting : 5	Left blank

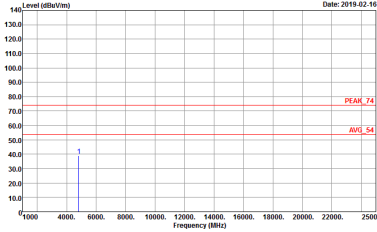
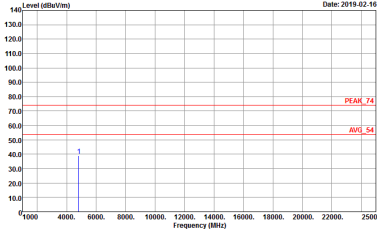


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5	 Site : 03CH15-HY Condition : AVG_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : 2B Setting : 5

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : ZB Setting : 5	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 912242 Mode : ZB Setting : 5	Left blank



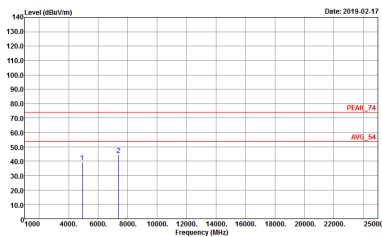
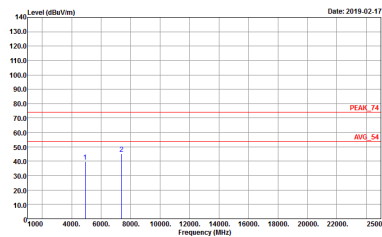
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Harmonic @ 3m 802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 23 setting : 14	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 23 setting : 14



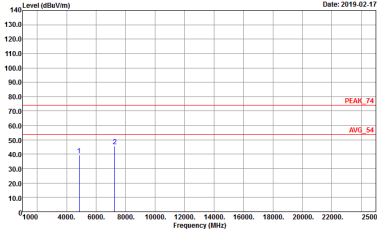
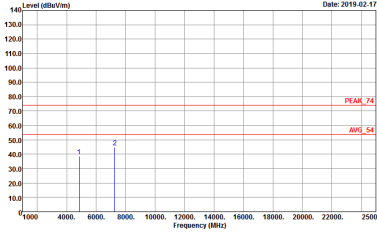
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 24	Level (dBuV/m) Date: 2019-02-16 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 24



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 25	 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 25



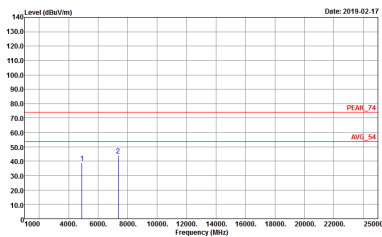
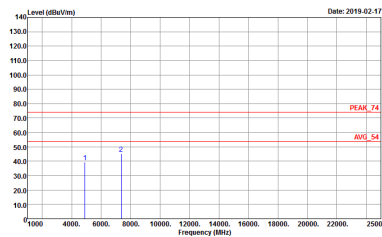
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI ANT	2.4GHz 2400~2483.5MHz Harmonic @ 3m 802.11n HT40 CH03 2422MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 26	 Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 26

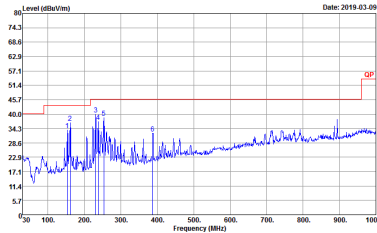
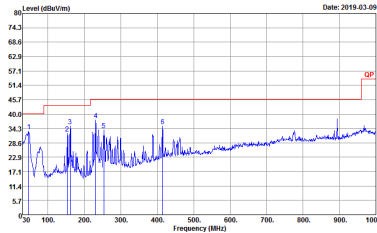


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 27	Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 27



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 912242 Mode : 28	 Site : 03CH15-14Y Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 912242 Mode : 28

Emission below 1GHz
2.4GHz WIFI 802.11n HT20 (LF)

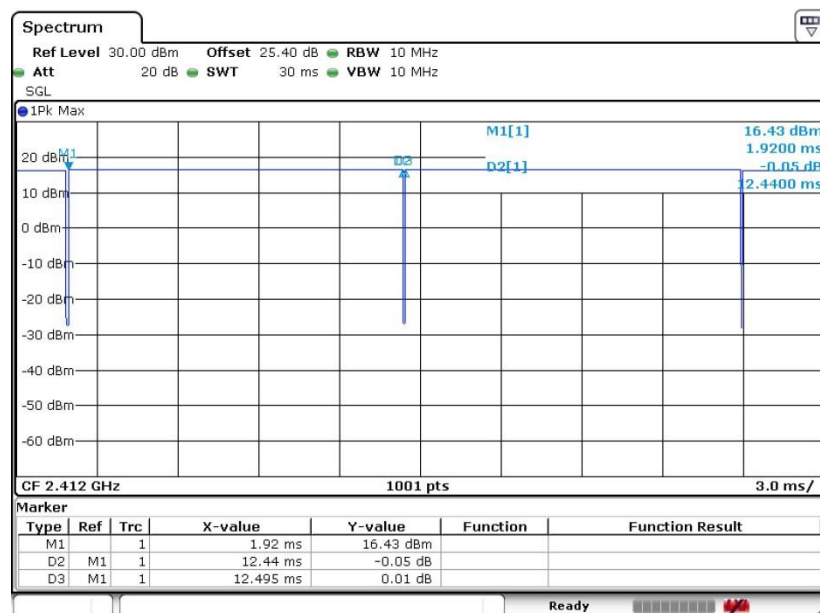
WIFI ANT	2.4GHz 2400~2483.5MHz 802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 HORIZONTAL Detector : Peak Project : 912242 Mode : 29	 Site : 03CH15-HY Condition : QP 3m B1LOG_15_41912 VERTICAL Detector : Peak Project : 912242 Mode : 29

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11b	99.55	-	-	10Hz	0.02
2	802.11b	99.44	-	-	10Hz	0.02
1	802.11g	98.33	-	-	10Hz	0.07
2	802.11g	98.10	-	-	10Hz	0.08
1	2.4GHz 802.11n HT20	97.96	1925	0.52	1kHz	0.09
2	2.4GHz 802.11n HT20	98.21	-	-	10Hz	0.08
1+2	2.4GHz 802.11n HT20 for Ant. 1	98.21	-	-	10Hz	0.08
1+2	2.4GHz 802.11n HT20 for Ant. 2	98.21	-	-	10Hz	0.08
1	2.4GHz 802.11n HT40	94.91	951	1.05	3kHz	0.23
2	2.4GHz 802.11n HT40	94.91	950	1.05	3kHz	0.23
1+2	2.4GHz 802.11n HT40 for Ant. 1	94.99	949	1.05	3kHz	0.22
1+2	2.4GHz 802.11n HT40 for Ant. 2	94.91	950	1.05	3kHz	0.23
1	2.4GHz 802.11ac20	98.22	-	-	10Hz	0.08
2	2.4GHz 802.11ac20	98.22	-	-	10Hz	0.08
1+2	2.4GHz 802.11ac20 for Ant. 1	98.22	-	-	10Hz	0.08
1+2	2.4GHz 802.11ac20 for Ant. 2	98.22	-	-	10Hz	0.08
1	2.4GHz 802.11ac40	94.92	952	1.05	3kHz	0.23
2	2.4GHz 802.11ac40	94.93	955	1.05	3kHz	0.23
1+2	2.4GHz 802.11ac40 for Ant. 1	94.93	954	1.05	3kHz	0.23
1+2	2.4GHz 802.11ac40 for Ant. 2	94.92	953	1.05	3kHz	0.23

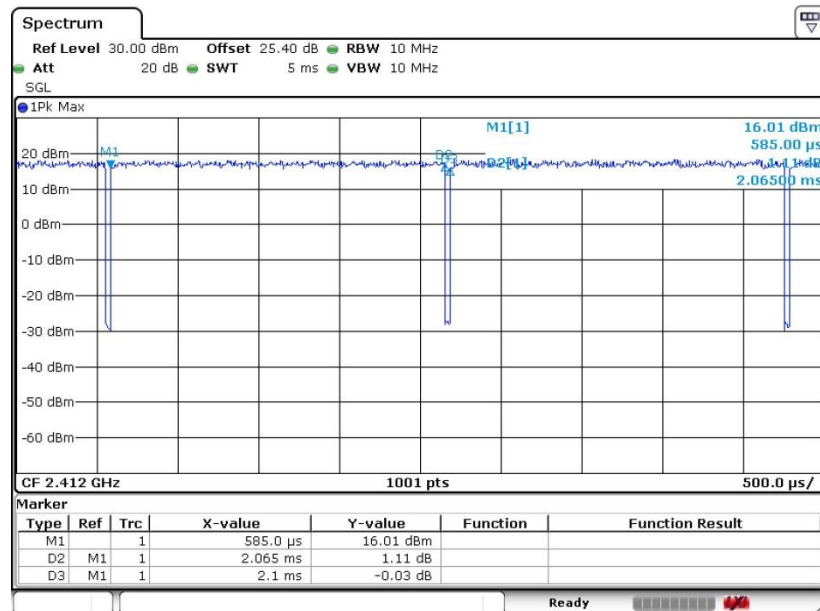
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802.11b



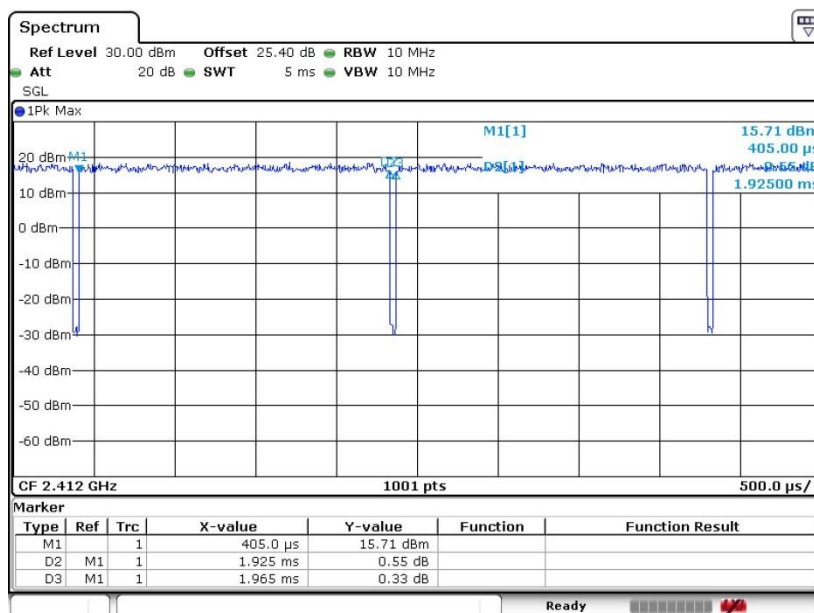
Date: 6.FEB.2019 09:46:52

802.11g



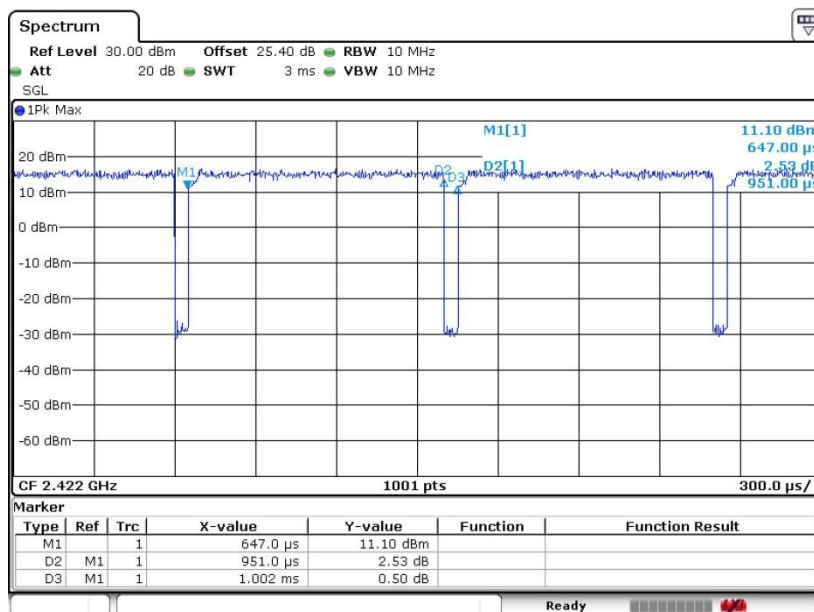
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802.11n HT20



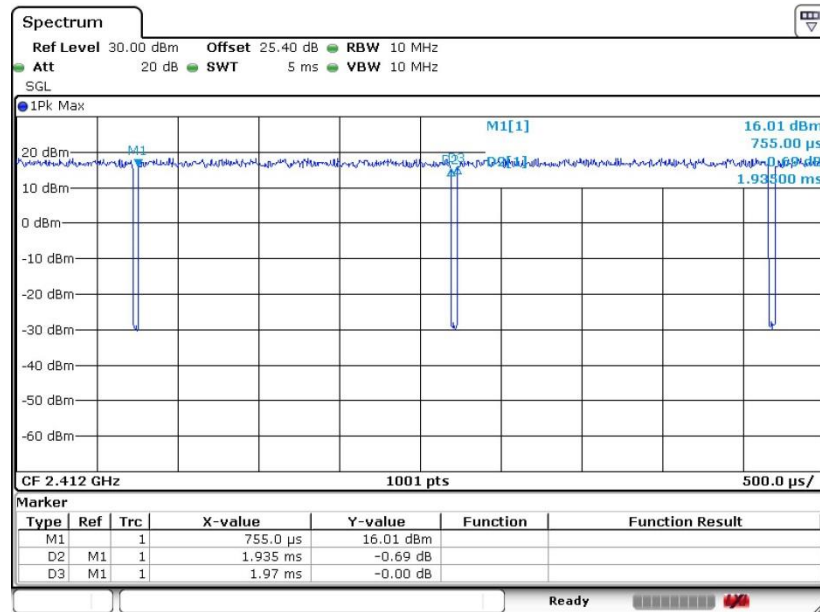
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802.11n HT40



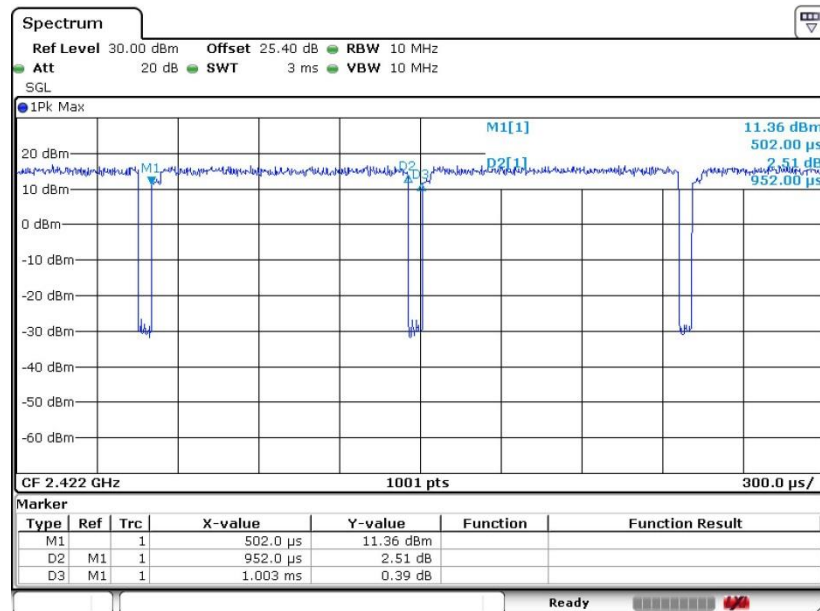
Date: 6.FEB.2019 09:59:23

802.11ac VHT20



Date: 6.FEB.2019 09:57:51

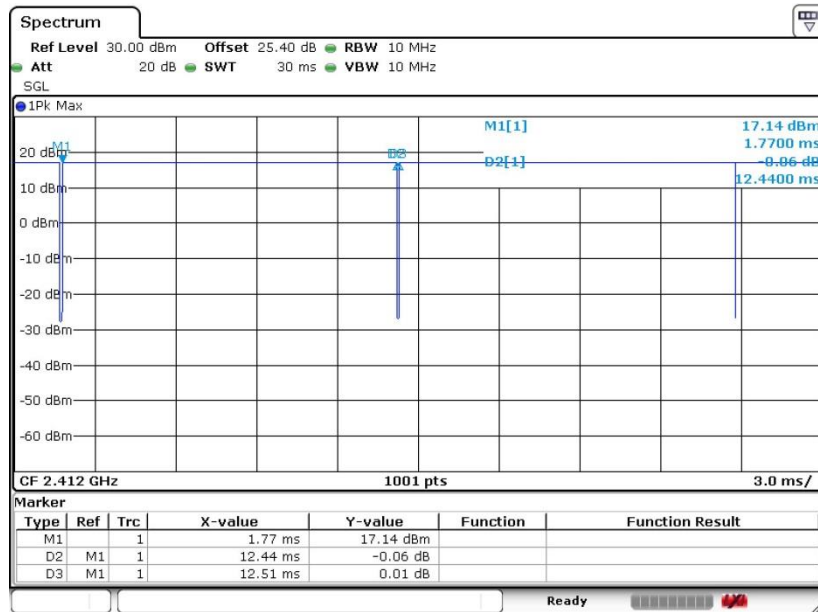
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Date: 6.FEB.2019 10:01:59

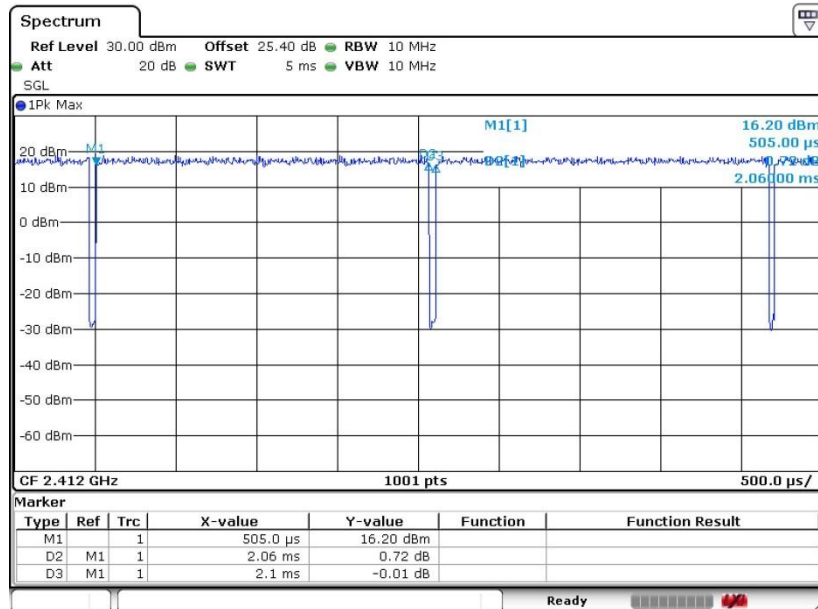
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802.11b



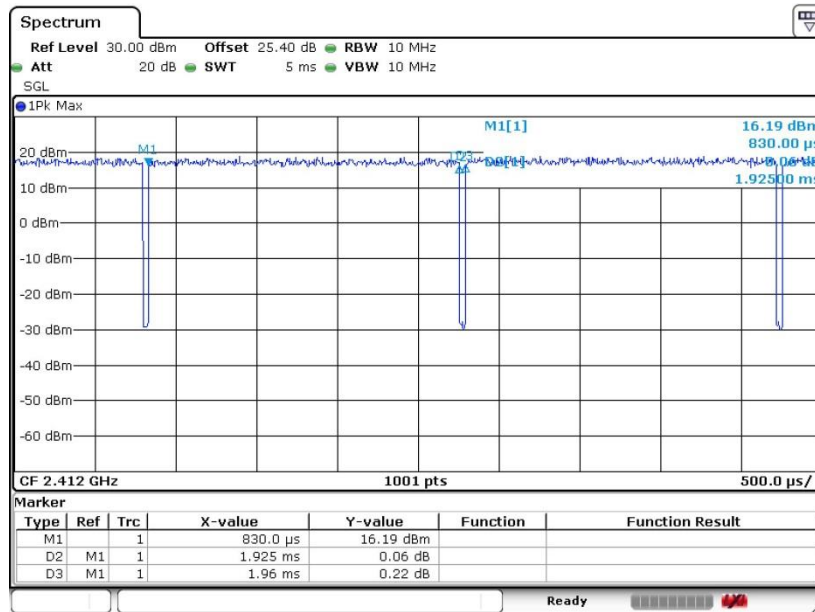
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802.11g



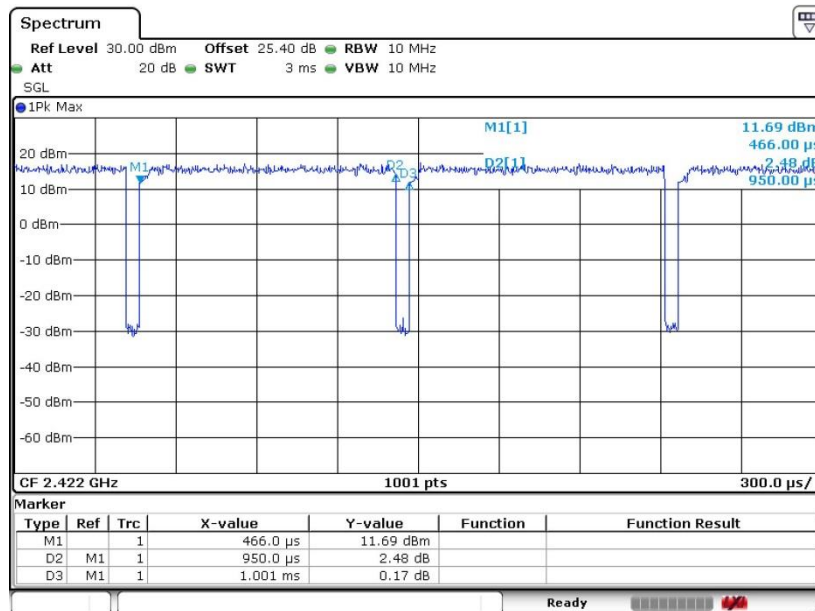
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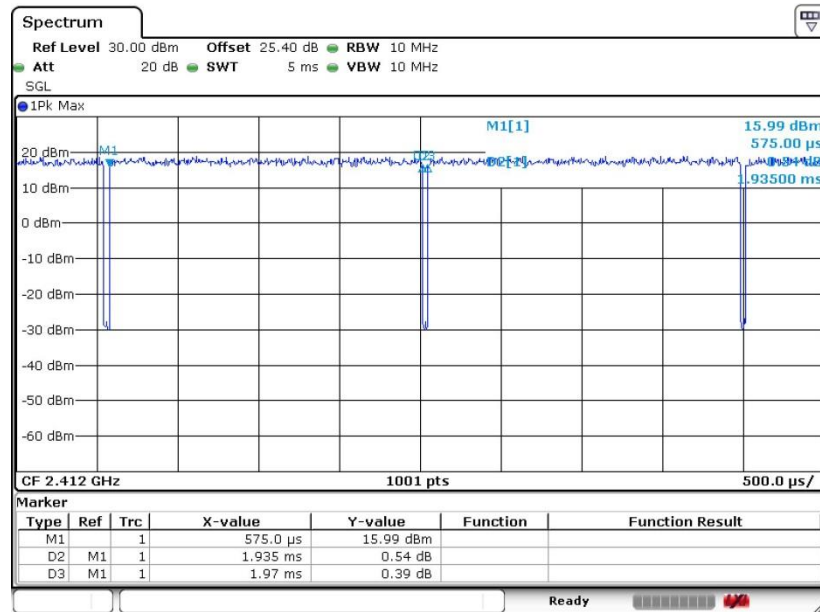
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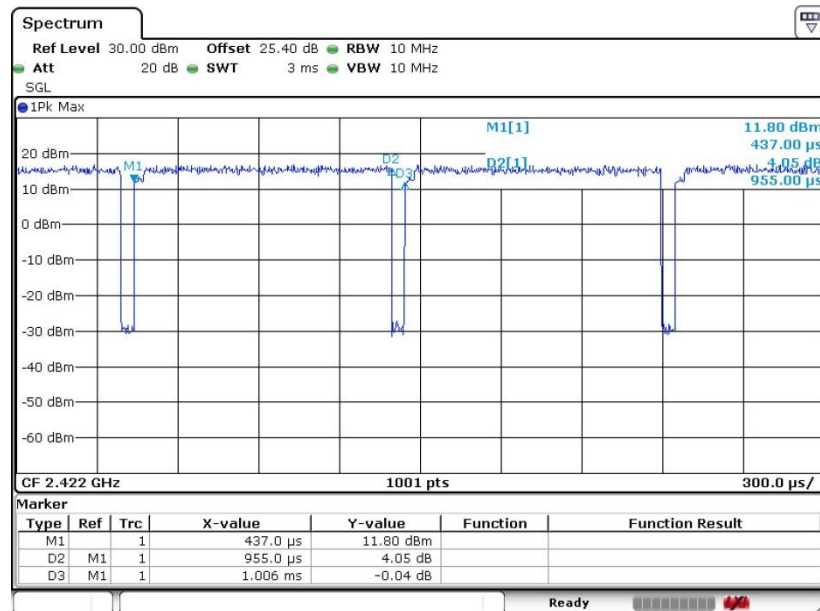
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802.11ac VHT20



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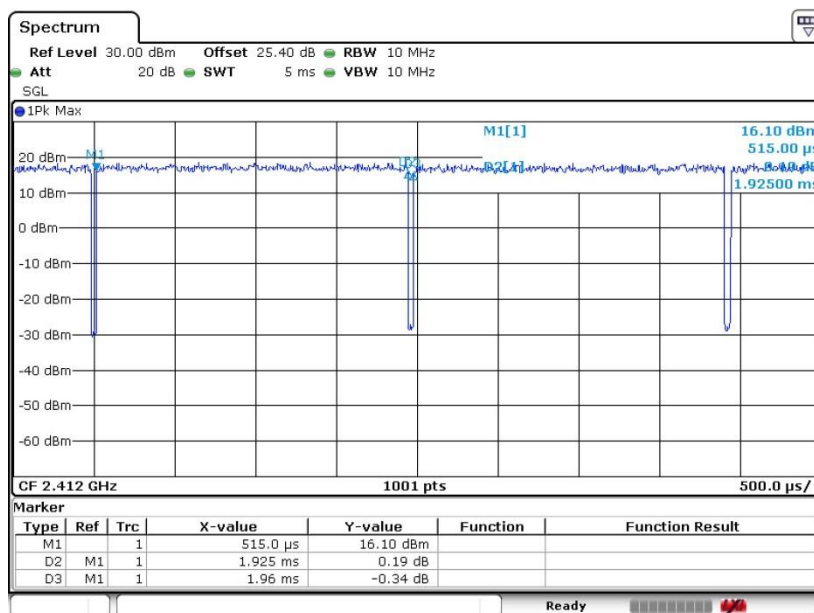
802.11ac VHT40



Date: 6.FEB.2019 10:01:22

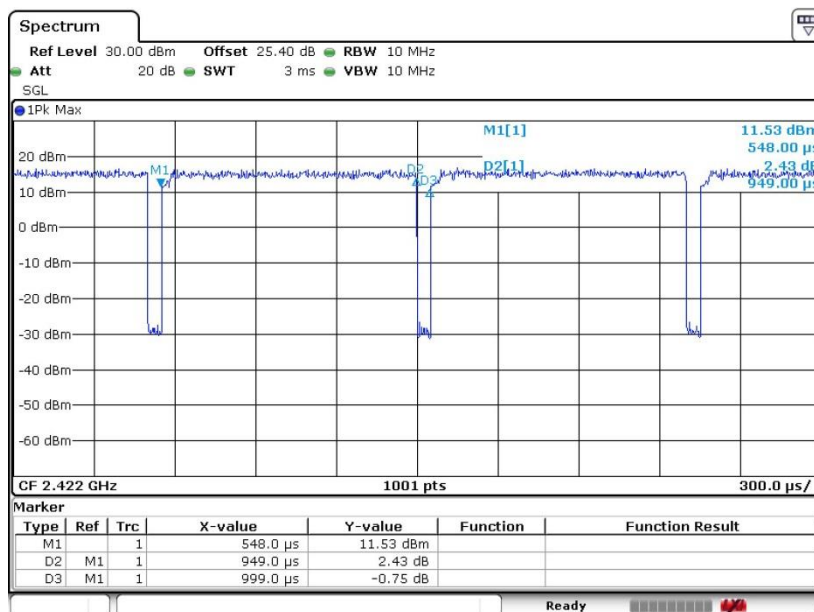
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802.11n HT20



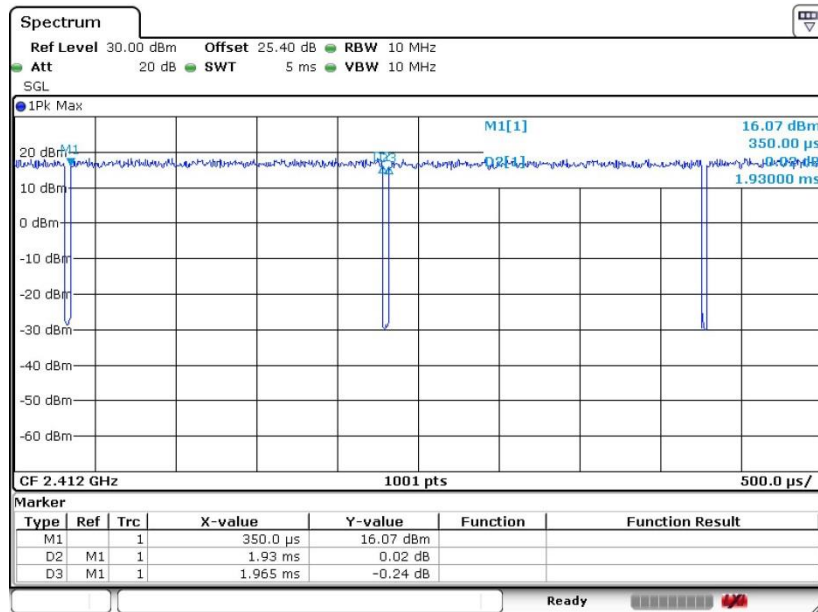
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802.11n HT40



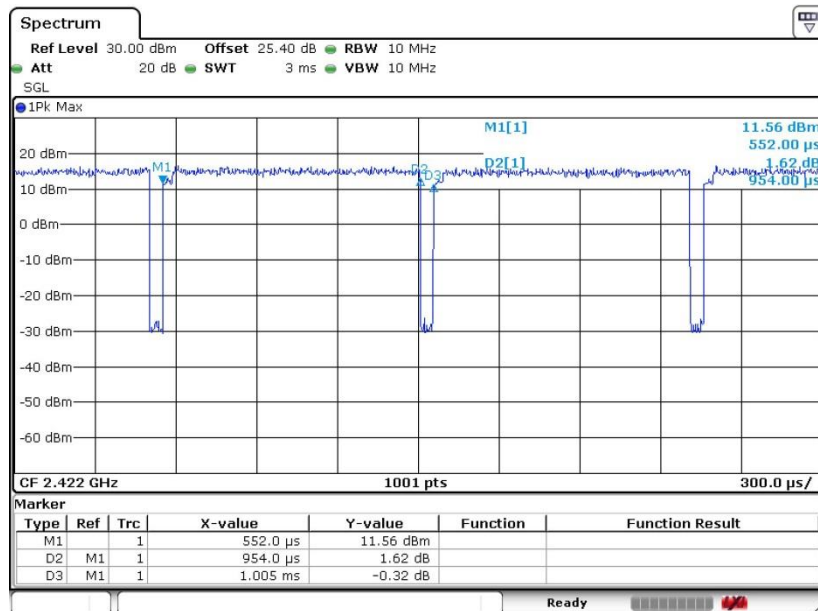
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802.11ac VHT20



Date: 6.FEB.2019 10:15:30

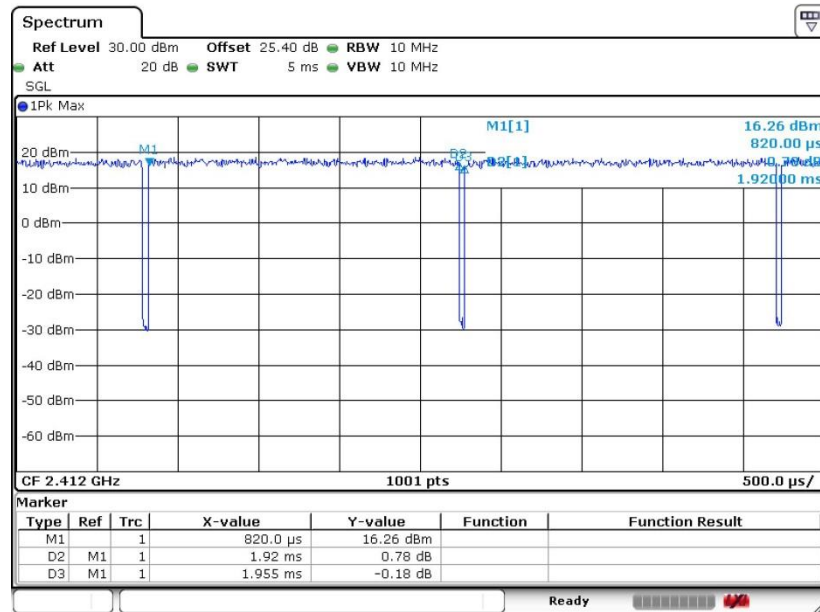
802.11ac VHT40



Date: 6.FEB.2019 10:09:09

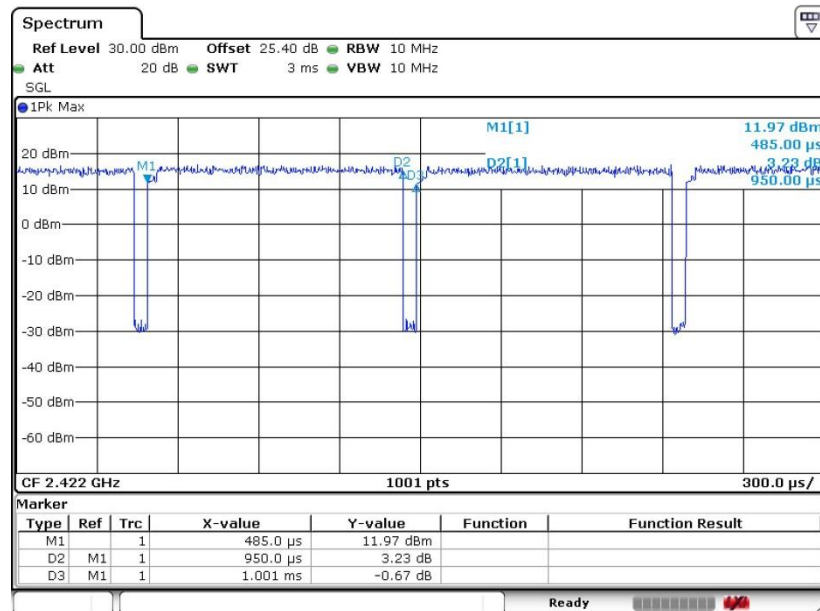
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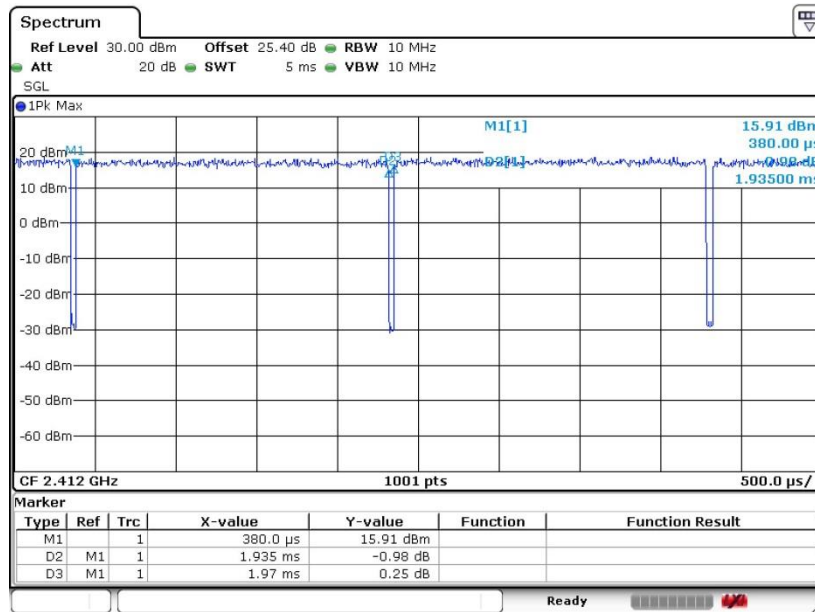
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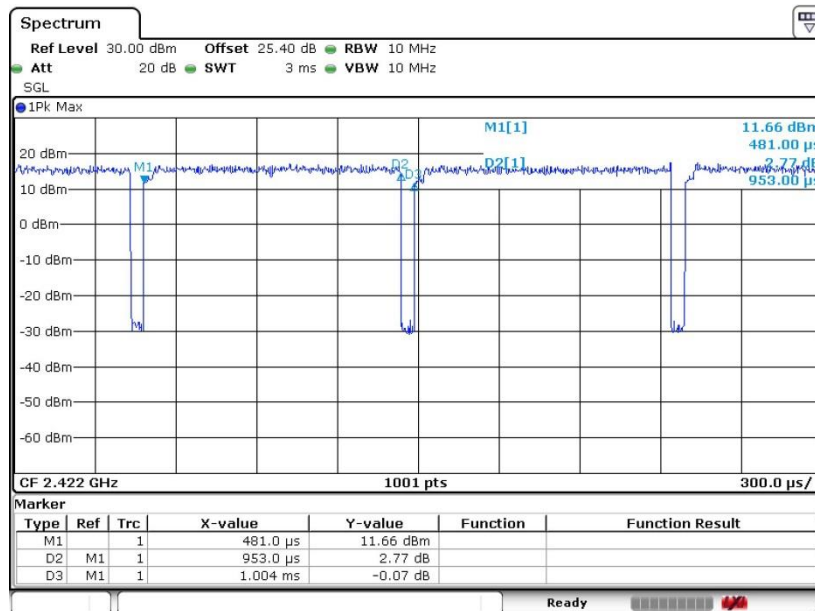
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802.11ac VHT20



Date: 6.FEB.2019 10:14:12

802.11ac VHT40



Date: 6.FEB.2019 10:08:37

—————THE END—————