

### 3.7.4 Test Setup



### 3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.8 Antenna Requirements**

### **3.8.1 Standard Applicable**

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.

### **3.8.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	45142595	N/A	Aug. 30, 2021	Apr. 19, 2022~ Aug. 08, 2022	Aug. 29, 2022	Conducted (TH01-CA)
Hygrometer	Testo	608-H1	45141354	N/A	Jul. 27, 2022	Aug. 09, 2022~ Sep. 15, 2022	Jul. 26, 2023	Conducted (TH01-CA)
Power Sensor	EM Electronics Corporation	RPR3006W #10	RPR6W-21010 03	10MHz-8GHz	May 04, 2022	May 05, 2022~ Sep. 15, 2022	May 03, 2023	Conducted (TH01-CA)
Switch Box & RF Cable	EM Electronics	EMSW26	SW1090304	N/A	Mar. 30, 2022	Apr. 19, 2022~ Sep. 15, 2022	Mar. 29, 2023	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Jun. 02, 2021	Apr. 19, 2022~ May 31, 2022	Jun. 01, 2022	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101089	10Hz-40GHz	Jun. 01, 2022	Jun. 02, 2022~ Sep. 15, 2022	May 31, 2023	Conducted (TH01-CA)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100840	9kHz~30MHz	Jun. 21, 2021	Apr. 20, 2022~ Jun. 19, 2022	Jun. 20, 2022	Radiation (03CH02-CA)
Bilog Antenna	TESEQ	6111D	54683	30MHz~1GHz	Oct. 15, 2021	Apr. 20, 2022~ Jun. 20, 2022	Oct. 14, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	01895	1GHz~18GHz	Aug. 25, 2021	Apr. 20, 2022~ Jun. 20, 2022	Aug. 24, 2022	Radiation (03CH02-CA)
Horn Antenna	SCHWARZBE CK	BBHA 9170D	00842	18GHz~40GHz	Jul. 20, 2021	Apr. 20, 2022~ Jun. 20, 2022	Jul. 19, 2022	Radiation (03CH02-CA)
Amplifier	SONOMA	310N	372240	N/A	Aug. 09, 2021	Apr. 20, 2022~ Jun. 20, 2022	Aug. 08, 2022	Radiation (03CH02-CA)
Preamplifier	Keysight	83017A	MY53270323	1GHz~26.5GHz	Jul. 27, 2021	Apr. 20, 2022~ Jun. 20, 2022	Jul. 26, 2022	Radiation (03CH02-CA)
Preamplifier	E-instrument	ERA-100M-18G -56-01-A70	EC1900251	1GHz~18GHz	Mar. 30, 2021	Apr. 20, 2022~ Jun. 20, 2022	Mar. 29, 2023 (note)	Radiation (03CH02-CA)
Preamplifier	EMEC	EMC18G40G	060726	18GHz-40GHz	Feb. 10, 2022	Apr. 20, 2022~ Jun. 20, 2022	Feb. 09, 2023	Radiation (03CH02-CA)
RF Cable	HUBER+SUH NER	SUCOFLEX 102	8024032/2, 8024062/2, 802856/2	N/A	Jun. 23, 2021	Apr. 20, 2022~ Jun. 20, 2022	Jun. 22, 2022	Radiation (03CH02-CA)
Spectrum Analyzer	Keysight	N9010A	MY57420221	10Hz~44GHz	Sep. 22, 2021	Apr. 20, 2022~ Jun. 20, 2022	Sep. 21, 2022	Radiation (03CH02-CA)
Filter	Warison	WFIL-H8000-25 000F-01	WR32BNW2B1	8GHz High Pass Filter	Jul. 14, 2021	Apr. 20, 2022~ Jun. 20, 2022	Jul. 13, 2022	Radiation (03CH02-CA)
Filter	Wainwright	WLK12-1200-12 72-11000-40SS	SN1	1.2GHz Low Pass Filter	Jul. 22, 2021	Apr. 20, 2022~ Jun. 20, 2022	Jul. 21, 2022	Radiation (03CH02-CA)
Hygrometer	TESEO	608-H1	45142602	N/A	Aug. 30, 2021	Apr. 20, 2022~ Jun. 20, 2022	Aug. 29, 2022	Radiation (03CH02-CA)
Controller	ChainTek	EM-1000	060876	NA	N/A	Apr. 20, 2022~ Jun. 20, 2022	N/A	Radiation (03CH02-CA)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 20, 2022~ Jun. 20, 2022	N/A	Radiation (03CH02-CA)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 20, 2022~ Jun. 20, 2022	N/A	Radiation (03CH02-CA)
Software	Audix	E3	N/A	N/A	N/A	Apr. 20, 2022~ Jun. 20, 2022	N/A	Radiation (03CH02-CA)

**Note:** This equipment's due date of calibration period has been extended since it has been verified that equipment's characteristics is still same as calibration report.



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LISN	TESEQ	NNB51	47407	N/A	May 10, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 09, 2023	Conduction (CO01-CA)
LISN	TESEQ	NNB51	47415	N/A	May 10, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 09, 2023	Conduction (CO01-CA)
EMI Test Receiver	R&S	ESR7	102177	9kHz~7GHz	May 31, 2022	Aug. 18, 2022~ Sep. 08, 2022	May 30, 2023	Conduction (CO01-CA)
Pulse limiter with 10dB attenuation	R&S	VTSD 9561-F N	9561-F- N00412	N/A	Jul. 05, 2022	Aug. 18, 2022~ Sep. 08, 2022	Jul. 04, 2023	Conduction (CO01-CA)
Test Software	R&S	EMC32 V10.30.0	N/A	N/A	N/A	Aug. 18, 2022~ Sep. 08, 2022	N/A	Conduction (CO01-CA)
RF Vector Generator	Keysight	N5182B	MY57300963	9kHz~6GHz	Mar. 23, 2022	Aug. 31, 2022~ Sep. 01, 2022	Mar. 22, 2023	CBP (DFS01-CA)
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59360230	9kHz~7.2GHz	Apr. 27, 2022	Aug. 31, 2022~ Sep. 01, 2022	Apr. 26, 2023	CBP (DFS01-CA)
Spectrum Analyzer	R&S	FSV13	101559	10Hz~13.6GHz	Jul. 05, 2022	Aug. 31, 2022~ Sep. 01, 2022	Jul. 04, 2023	CBP (DFS01-CA)
2 Way Divider	Woken	0120A02058001M	DDTB6SW5A4	0.5GHz-8GHz	Calibration from System	Aug. 31, 2022~ Sep. 01, 2022	Calibration from System	CBP (DFS01-CA)
4 Way Divider	Woken	0120A04058001M	DDTB6SW3G2	0.5 GHz -8GHz	Calibration from System	Aug. 31, 2022~ Sep. 01, 2022	Calibration from System	CBP (DFS01-CA)
4 Way Divider	Woken	0120A04058001M	DDTB6SW3A7	0.5 GHz -8GHz	Calibration from System	Aug. 31, 2022~ Sep. 01, 2022	Calibration from System	CBP (DFS01-CA)
Manual Step Attenuator	Keysight	8496B	MY42151805	DC-18GHz	Calibration from System	Aug. 31, 2022~ Sep. 01, 2022	Calibration from System	CBP (DFS01-CA)
Hygrometer	Testo	608-H1	45142601	Temperature & Humidity	Jul. 27, 2022	Aug. 31, 2022~ Sep. 01, 2022	Jul. 26, 2023	CBP (DFS01-CA)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.0 dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.7 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.2 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.4 dB
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Venkata Kondepudi/Liliana Gonzalez	Temperature:	20.4~24.9	°C
Test Date:	2022/04/19~2022/09/15	Relative Humidity:	43.8~54.2	%

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-5 MIMO antenna								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	2	5955	17.02	16.86	20.70	20.60	
11a	6Mbps	2	6175	17.02	16.96	20.75	20.70	
11a	6Mbps	2	6415	17.16	16.96	20.75	20.60	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-5 MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	5955	11.65	12.02		4.40	3.90	16.05	15.92	30.00	Pass
11a	6Mbps	2	6175	12.12	12.42		4.40	3.90	16.52	16.32	30.00	Pass
11a	6Mbps	2	6415	11.74	12.37		4.40	3.90	16.14	16.27	30.00	Pass
HT20	MCS0	2	5955	11.30	11.98		4.40	3.90	15.70	15.88	30.00	Pass
HT20	MCS0	2	6175	11.85	12.21		4.40	3.90	16.25	16.11	30.00	Pass
HT20	MCS0	2	6415	11.64	12.37		4.40	3.90	16.04	16.27	30.00	Pass
HT40	MCS0	2	5965	14.64	15.36		4.40	3.90	19.04	19.26	30.00	Pass
HT40	MCS0	2	6165	15.23	15.71		4.40	3.90	19.63	19.61	30.00	Pass
HT40	MCS0	2	6405	14.90	15.49		4.40	3.90	19.30	19.39	30.00	Pass
VHT20	MCS0	2	5955	11.30	11.91		4.40	3.90	15.70	15.81	30.00	Pass
VHT20	MCS0	2	6175	11.83	12.29		4.40	3.90	16.23	16.19	30.00	Pass
VHT20	MCS0	2	6415	11.69	12.27		4.40	3.90	16.09	16.17	30.00	Pass
VHT40	MCS0	2	5965	14.86	15.27		4.40	3.90	19.26	19.17	30.00	Pass
VHT40	MCS0	2	6165	15.40	15.42		4.40	3.90	19.80	19.32	30.00	Pass
VHT40	MCS0	2	6405	15.12	15.61		4.40	3.90	19.52	19.51	30.00	Pass
VHT80	MCS0	2	5985	18.03	18.51		4.40	3.90	22.43	22.41	30.00	Pass
VHT80	MCS0	2	6145	18.17	18.45		4.40	3.90	22.57	22.35	30.00	Pass
VHT80	MCS0	2	6385	18.27	18.37		4.40	3.90	22.67	22.27	30.00	Pass
VHT160	MCS0	2	6025	20.60	21.17		4.40	3.90	25.00	25.07	30.00	Pass
VHT160	MCS0	2	6185	21.00	21.16		4.40	3.90	25.40	25.06	30.00	Pass
VHT160	MCS0	2	6345	20.62	20.76		4.40	3.90	25.02	24.66	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP of each polarization must individually be below the limit



**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

FCC UNII-5 MIMO antenna														
Mod.	Data Rate	NTx	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	5955	0.27	0.28	0.42	0.72		4.40	3.90	4.82	4.62	5.00	Pass
11a	6Mbps	2	6175	0.27	0.28	0.58	0.77		4.40	3.90	4.98	4.67	5.00	Pass
11a	6Mbps	2	6415	0.27	0.28	0.27	0.90		4.40	3.90	4.67	4.80	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-5 MIMO antenna									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE20	MCS0	2	5955	Full	19.35	16.86	22.05	22.20	
HE20	MCS0	2	6175	Full	19.35	16.96	22.35	22.00	
HE20	MCS0	2	6415	Full	19.35	16.96	22.20	22.30	
HE40	MCS0	2	5965	Full	38.21	38.21	39.96	40.32	
HE40	MCS0	2	6165	Full	38.21	38.21	40.14	39.96	
HE40	MCS0	2	6405	Full	38.21	38.21	40.41	40.14	
HE80	MCS0	2	5985	Full	78.20	79.00	82.56	82.56	
HE80	MCS0	2	6145	Full	78.20	78.20	82.24	82.56	
HE80	MCS0	2	6385	Full	78.20	78.20	82.72	82.72	
HE160	MCS0	2	6025	Full	172.37	160.20	166.40	170.80	
HE160	MCS0	2	6185	Full	163.46	160.20	171.83	171.43	
HE160	MCS0	2	6345	Full	160.20	160.20	165.13	170.24	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-5 MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	5955	Full	12.14	12.43		4.40	3.90	16.54	16.33	30.00	Pass
HE20	MCS0	2	6175	Full	12.52	12.85		4.40	3.90	16.92	16.75	30.00	Pass
HE20	MCS0	2	6415	Full	12.36	12.94		4.40	3.90	16.76	16.84	30.00	Pass
HE40	MCS0	2	5965	Full	15.05	15.44		4.40	3.90	19.45	19.34	30.00	Pass
HE40	MCS0	2	6165	Full	15.41	15.86		4.40	3.90	19.81	19.76	30.00	Pass
HE40	MCS0	2	6405	Full	15.18	15.65		4.40	3.90	19.58	19.55	30.00	Pass
HE80	MCS0	2	5985	Full	18.27	18.71		4.40	3.90	22.67	22.61	30.00	Pass
HE80	MCS0	2	6145	Full	18.57	18.84		4.40	3.90	22.97	22.74	30.00	Pass
HE80	MCS0	2	6385	Full	18.62	18.69		4.40	3.90	23.02	22.59	30.00	Pass
HE160	MCS0	2	6025	Full	20.84	21.40		4.40	3.90	25.24	25.30	30.00	Pass
HE160	MCS0	2	6185	Full	21.24	21.41		4.40	3.90	25.64	25.31	30.00	Pass
HE160	MCS0	2	6345	Full	20.88	20.98		4.40	3.90	25.28	24.88	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

FCC UNII-5 MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	5955	Full	0.32	0.34	0.16	0.51		4.40	3.90	4.56	4.41	5.00	Pass
HE20	MCS0	2	6175	Full	0.32	0.34	0.28	0.88		4.40	3.90	4.68	4.78	5.00	Pass
HE20	MCS0	2	6415	Full	0.32	0.34	0.13	0.59		4.40	3.90	4.53	4.49	5.00	Pass
HE40	MCS0	2	5965	Full	0.36	0.35	0.30	0.71		4.40	3.90	4.70	4.61	5.00	Pass
HE40	MCS0	2	6165	Full	0.36	0.35	0.48	0.84		4.40	3.90	4.88	4.74	5.00	Pass
HE40	MCS0	2	6405	Full	0.36	0.35	0.28	0.84		4.40	3.90	4.68	4.74	5.00	Pass
HE80	MCS0	2	5985	Full	0.39	0.34	0.42	0.63		4.40	3.90	4.82	4.53	5.00	Pass
HE80	MCS0	2	6145	Full	0.39	0.34	0.37	0.58		4.40	3.90	4.77	4.48	5.00	Pass
HE80	MCS0	2	6385	Full	0.39	0.34	0.52	0.72		4.40	3.90	4.92	4.62	5.00	Pass
HE160	MCS0	2	6025	Full	0.36	0.34	0.22	0.66		4.40	3.90	4.62	4.56	5.00	Pass
HE160	MCS0	2	6185	Full	0.36	0.34	0.28	0.54		4.40	3.90	4.68	4.44	5.00	Pass
HE160	MCS0	2	6345	Full	0.36	0.34	0.05	0.04		4.40	3.90	4.45	3.94	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-6 MIMO antenna								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	2	6435	17.16	16.96	20.60	20.65	
11a	6Mbps	2	6475	17.16	16.96	20.65	20.65	
11a	6Mbps	2	6515	17.16	16.96	20.70	20.70	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-6 MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6435	12.40	12.44		3.70	4.00	16.10	16.44	30.00	Pass
11a	6Mbps	2	6475	12.08	12.55		3.70	4.00	15.78	16.55	30.00	Pass
11a	6Mbps	2	6515	12.24	12.37		3.70	4.00	15.94	16.37	30.00	Pass
HT20	MCS0	2	6435	12.35	12.65		3.70	4.00	16.05	16.65	30.00	Pass
HT20	MCS0	2	6475	12.34	12.89		3.70	4.00	16.04	16.89	30.00	Pass
HT20	MCS0	2	6515	12.22	12.24		3.70	4.00	15.92	16.24	30.00	Pass
HT40	MCS0	2	6445	15.22	15.74		3.70	4.00	18.92	19.74	30.00	Pass
HT40	MCS0	2	6485	15.31	15.86		3.70	4.00	19.01	19.86	30.00	Pass
VHT20	MCS0	2	6435	12.62	12.81		3.70	4.00	16.32	16.81	30.00	Pass
VHT20	MCS0	2	6475	12.34	12.85		3.70	4.00	16.04	16.85	30.00	Pass
VHT20	MCS0	2	6515	12.52	12.64		3.70	4.00	16.22	16.64	30.00	Pass
VHT40	MCS0	2	6445	15.31	15.72		3.70	4.00	19.01	19.72	30.00	Pass
VHT40	MCS0	2	6485	15.32	15.91		3.70	4.00	19.02	19.91	30.00	Pass
VHT80	MCS0	2	6465	18.73	19.13		3.70	4.00	22.43	23.13	30.00	Pass

FCC UNII-6 straddle channel MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HT40	MCS0	2	6525	14.85	15.38		3.70	4.00	18.55	19.38	30.00	Pass
VHT40	MCS0	2	6525	14.96	15.48		3.70	4.00	18.66	19.48	30.00	Pass
VHT80	MCS0	2	6545	17.98	18.29		3.70	4.00	21.68	22.29	30.00	Pass
VHT160	MCS0	2	6505	21.31	21.54		3.70	4.00	25.01	25.54	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP of each polarization must individually be below the limit

***TEST RESULTS DATA***  
***EIRP Power Spectral Density***

FCC UNII-6 MIMO antenna														
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6435	0.27	0.28	0.47	0.69		3.70	4.00	4.17	4.69	5.00	Pass
11a	6Mbps	2	6475	0.27	0.28	0.17	0.63		3.70	4.00	3.87	4.63	5.00	Pass
11a	6Mbps	2	6515	0.27	0.28	0.36	0.69		3.70	4.00	4.06	4.69	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-6 MIMO antenna									
Mod.	Data Rate	N <sub>TX</sub>	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE20	MCS0	2	6435	Full	19.35	16.96	22.05	22.05	
HE20	MCS0	2	6475	Full	19.35	16.96	22.30	22.60	
HE20	MCS0	2	6515	Full	19.35	16.96	22.00	22.25	
HE40	MCS0	2	6445	Full	38.21	38.21	40.23	40.23	
HE40	MCS0	2	6485	Full	38.21	38.21	40.32	40.14	
HE80	MCS0	2	6465	Full	78.20	78.21	82.88	82.72	

UNII-6 straddle channel MIMO antenna									
Mod.	Data Rate	N <sub>TX</sub>	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE40	MCS0	2	6525	Full	38.21	38.21	40.14	40.14	
HE80	MCS0	2	6545	Full	78.21	78.20	82.56	82.72	
HE160	MCS0	2	6505	Full	171.14	160.20	176.87	196.37	



**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-6 MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6435	Full	13.14	13.19		3.70	4.00	16.84	17.19	30.00	Pass
HE20	MCS0	2	6475	Full	12.99	13.38		3.70	4.00	16.69	17.38	30.00	Pass
HE20	MCS0	2	6515	Full	13.01	13.11		3.70	4.00	16.71	17.11	30.00	Pass
HE40	MCS0	2	6445	Full	15.43	15.91		3.70	4.00	19.13	19.91	30.00	Pass
HE40	MCS0	2	6485	Full	15.56	15.99		3.70	4.00	19.26	19.99	30.00	Pass
HE80	MCS0	2	6465	Full	19.09	19.14		3.70	4.00	22.79	23.14	30.00	Pass

FCC UNII-6 straddle channel MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE40	MCS0	2	6525	Full	14.97	15.52		3.70	4.00	18.67	19.52	30.00	Pass
HE80	MCS0	2	6545	Full	18.25	18.30		3.70	4.00	21.95	22.30	30.00	Pass
HE160	MCS0	2	6505	Full	21.64	22.01		3.70	4.00	25.34	26.01	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

UNII-6 MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6435	Full	0.32	0.34	0.82	0.86		3.70	4.00	4.52	4.86	5.00	Pass
HE20	MCS0	2	6475	Full	0.32	0.34	0.35	0.89		3.70	4.00	4.05	4.89	5.00	Pass
HE20	MCS0	2	6515	Full	0.32	0.34	0.83	0.99		3.70	4.00	4.53	4.99	5.00	Pass
HE40	MCS0	2	6445	Full	0.36	0.35	0.05	0.58		3.70	4.00	3.75	4.58	5.00	Pass
HE40	MCS0	2	6485	Full	0.36	0.35	0.20	0.61		3.70	4.00	3.90	4.61	5.00	Pass
HE80	MCS0	2	6465	Full	0.39	0.34	0.76	0.72		3.70	4.00	4.46	4.72	5.00	Pass

FCC UNII-6 straddle channel MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE40	MCS0	2	6525	Full	0.36	0.35	0.40	0.93		3.70	4.00	4.10	4.93	5.00	Pass
HE80	MCS0	2	6545	Full	0.39	0.34	0.78	0.80		3.70	4.00	4.48	4.80	5.00	Pass
HE160	MCS0	2	6505	Full	0.39	0.34	0.36	0.70		3.70	4.00	4.06	4.70	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-7 MIMO antenna								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	2	6535	17.16	16.96	20.80	20.65	
11a	6Mbps	2	6695	16.96	17.16	20.60	20.60	
11a	6Mbps	2	6855	17.16	16.96	20.60	20.65	

UNII-7 straddle channel MIMO antenna								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	2	6875	17.16	16.96	20.65	20.65	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-7 MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6535	11.56	11.60		4.10	3.60	15.66	15.20	30.00	Pass
11a	6Mbps	2	6695	12.05	12.14		4.10	3.60	16.15	15.74	30.00	Pass
11a	6Mbps	2	6855	12.26	12.79		4.10	3.60	16.36	16.39	30.00	Pass
HT20	MCS0	2	6535	10.80	10.63		4.10	3.60	14.90	14.23	30.00	Pass
HT20	MCS0	2	6695	11.21	11.50		4.10	3.60	15.31	15.10	30.00	Pass
HT20	MCS0	2	6855	11.47	12.15		4.10	3.60	15.57	15.75	30.00	Pass
HT40	MCS0	2	6565	14.62	14.93		4.10	3.60	18.72	18.53	30.00	Pass
HT40	MCS0	2	6685	15.52	15.70		4.10	3.60	19.62	19.30	30.00	Pass
HT40	MCS0	2	6845	15.28	15.92		4.10	3.60	19.38	19.52	30.00	Pass
VHT20	MCS0	2	6535	11.28	11.39		4.10	3.60	15.38	14.99	30.00	Pass
VHT20	MCS0	2	6695	11.94	12.03		4.10	3.60	16.04	15.63	30.00	Pass
VHT20	MCS0	2	6855	11.45	12.08		4.10	3.60	15.55	15.68	30.00	Pass
VHT40	MCS0	2	6565	14.60	15.09		4.10	3.60	18.70	18.69	30.00	Pass
VHT40	MCS0	2	6685	15.65	15.81		4.10	3.60	19.75	19.41	30.00	Pass
VHT40	MCS0	2	6845	15.35	15.94		4.10	3.60	19.45	19.54	30.00	Pass
VHT80	MCS0	2	6625	18.15	18.44		4.10	3.60	22.25	22.04	30.00	Pass
VHT80	MCS0	2	6705	18.01	18.11		4.10	3.60	22.11	21.71	30.00	Pass
VHT80	MCS0	2	6785	17.94	18.30		4.10	3.60	22.04	21.90	30.00	Pass
VHT160	MCS0	2	6665	21.38	21.38		4.10	3.60	25.48	24.98	30.00	Pass

FCC UNII-7 straddle channel MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6875	11.69	12.22		4.10	3.60	15.79	15.82	30.00	Pass
HT20	MCS0	2	6875	10.83	11.51		4.10	3.60	14.93	15.11	30.00	Pass
HT40	MCS0	2	6885	15.17	15.98		4.10	3.60	19.27	19.58	30.00	Pass
VHT20	MCS0	2	6875	10.79	11.45		4.10	3.60	14.89	15.05	30.00	Pass
VHT40	MCS0	2	6885	15.24	15.89		4.10	3.60	19.34	19.49	30.00	Pass
VHT80	MCS0	2	6865	17.07	17.69		4.10	3.60	21.17	21.29	30.00	Pass
VHT160	MCS0	2	6825	20.73	21.25		4.10	3.60	24.83	24.85	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

FCC UNII-7 MIMO antenna														
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6535	0.27	0.28	0.52	0.64		4.10	3.60	4.62	4.24	5.00	Pass
11a	6Mbps	2	6695	0.27	0.28	0.70	0.84		4.10	3.60	4.80	4.44	5.00	Pass
11a	6Mbps	2	6855	0.27	0.28	0.66	1.15		4.10	3.60	4.76	4.75	5.00	Pass

FCC UNII-7 straddle channel MIMO antenna														
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6875	0.27	0.28	0.21	0.74		4.10	3.60	4.31	4.34	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB and 99% OBW**

UNII-7 MIMO antenna									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE20	MCS0	2	6535	Full	19.35	16.96	22.10	22.00	
HE20	MCS0	2	6695	Full	19.35	17.16	22.15	22.15	
HE20	MCS0	2	6855	Full	19.35	16.96	21.90	22.45	
HE40	MCS0	2	6565	Full	38.21	38.21	40.23	39.96	
HE40	MCS0	2	6685	Full	38.21	38.21	39.96	40.41	
HE40	MCS0	2	6845	Full	38.21	38.21	40.32	39.87	
HE80	MCS0	2	6625	Full	78.20	78.20	83.04	82.24	
HE80	MCS0	2	6705	Full	78.20	78.20	82.08	82.88	
HE80	MCS0	2	6785	Full	78.20	78.20	83.04	82.88	
HE160	MCS0	2	6665	Full	164.18	160.02	243.20	234.89	

UNII-7 straddle channel MIMO antenna									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE20	MCS0	2	6875	Full	19.35	16.96	21.95	22.00	
HE40	MCS0	2	6885	Full	38.21	38.21	40.05	39.96	
HE80	MCS0	2	6865	Full	78.20	78.20	83.20	82.40	
HE160	MCS0	2	6825	Full	160.20	160.20	242.77	255.66	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-7 MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6535	Full	11.75	11.93		4.10	3.60	15.85	15.53	30.00	Pass
HE20	MCS0	2	6695	Full	12.44	12.51		4.10	3.60	16.54	16.11	30.00	Pass
HE20	MCS0	2	6855	Full	12.17	12.53		4.10	3.60	16.27	16.13	30.00	Pass
HE40	MCS0	2	6565	Full	14.63	15.10		4.10	3.60	18.73	18.70	30.00	Pass
HE40	MCS0	2	6685	Full	15.67	15.82		4.10	3.60	19.77	19.42	30.00	Pass
HE40	MCS0	2	6845	Full	15.47	15.95		4.10	3.60	19.57	19.55	30.00	Pass
HE80	MCS0	2	6625	Full	18.50	18.74		4.10	3.60	22.60	22.34	30.00	Pass
HE80	MCS0	2	6705	Full	18.39	18.57		4.10	3.60	22.49	22.17	30.00	Pass
HE80	MCS0	2	6785	Full	18.28	18.80		4.10	3.60	22.38	22.40	30.00	Pass
HE160	MCS0	2	6665	Full	21.48	21.45		4.10	3.60	25.58	25.05	30.00	Pass

FCC UNII-7 straddle channel MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6875	Full	11.55	12.09		4.10	3.60	15.65	15.69	30.00	Pass
HE40	MCS0	2	6885	Full	15.58	16.00		4.10	3.60	19.68	19.60	30.00	Pass
HE80	MCS0	2	6865	Full	17.63	18.08		4.10	3.60	21.73	21.68	30.00	Pass
HE160	MCS0	2	6825	Full	21.09	21.56		4.10	3.60	25.19	25.16	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

FCC UNII-7 MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6535	Full	0.32	0.34	0.52	0.73		4.10	3.60	4.62	4.33	5.00	Pass
HE20	MCS0	2	6695	Full	0.32	0.34	0.71	0.78		4.10	3.60	4.81	4.38	5.00	Pass
HE20	MCS0	2	6855	Full	0.32	0.34	0.48	0.94		4.10	3.60	4.58	4.54	5.00	Pass
HE40	MCS0	2	6565	Full	0.36	0.35	0.23	0.81		4.10	3.60	4.33	4.41	5.00	Pass
HE40	MCS0	2	6685	Full	0.36	0.35	0.79	0.87		4.10	3.60	4.89	4.47	5.00	Pass
HE40	MCS0	2	6845	Full	0.36	0.35	0.45	0.98		4.10	3.60	4.55	4.58	5.00	Pass
HE80	MCS0	2	6625	Full	0.39	0.34	0.82	0.87		4.10	3.60	4.92	4.47	5.00	Pass
HE80	MCS0	2	6705	Full	0.39	0.34	0.79	0.71		4.10	3.60	4.89	4.31	5.00	Pass
HE80	MCS0	2	6785	Full	0.39	0.34	0.51	0.98		4.10	3.60	4.61	4.58	5.00	Pass
HE160	MCS0	2	6665	Full	0.36	0.34	0.83	1.06		4.10	3.60	4.93	4.66	5.00	Pass

FCC UNII-7 straddle channel MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6875	Full	0.32	0.34	-0.12	0.79		4.10	3.60	3.98	4.39	5.00	Pass
HE40	MCS0	2	6885	Full	0.36	0.35	0.60	1.12		4.10	3.60	4.70	4.72	5.00	Pass
HE80	MCS0	2	6865	Full	0.39	0.34	0.15	0.67		4.10	3.60	4.25	4.27	5.00	Pass
HE160	MCS0	2	6825	Full	0.36	0.34	0.59	1.00		4.10	3.60	4.69	4.60	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP PSD of each polarization must individually be below the limit



**TEST RESULTS DATA**  
**26dB EBW and 99% OBW**

UNII-8 MIMO antenna								
Mod.	Data Rate	NTX	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
				Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	2	6895	17.16	16.96	20.65	20.60	
11a	6Mbps	2	6995	17.16	16.96	20.30	20.45	
11a	6Mbps	2	7095	17.16	16.96	20.55	20.70	

**TEST RESULTS DATA**  
**EIRP Power Table**

FCC UNII-8 MIMO antenna												
Mod.	Data Rate	NTX	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6895	12.26	12.39		4.30	4.10	16.56	16.49	30.00	Pass
11a	6Mbps	2	6995	12.54	12.60		4.30	4.10	16.84	16.70	30.00	Pass
11a	6Mbps	2	7095	13.15	13.47		4.30	4.10	17.45	17.57	30.00	Pass
HT20	MCS0	2	6895	12.04	12.40		4.30	4.10	16.34	16.50	30.00	Pass
HT20	MCS0	2	6995	11.94	12.04		4.30	4.10	16.24	16.14	30.00	Pass
HT20	MCS0	2	7095	13.37	13.71		4.30	4.10	17.67	17.81	30.00	Pass
HT40	MCS0	2	6925	15.40	15.74		4.30	4.10	19.70	19.84	30.00	Pass
HT40	MCS0	2	7005	15.46	16.02		4.30	4.10	19.76	20.12	30.00	Pass
HT40	MCS0	2	7085	17.15	17.59		4.30	4.10	21.45	21.69	30.00	Pass
VHT20	MCS0	2	6895	12.08	12.34		4.30	4.10	16.38	16.44	30.00	Pass
VHT20	MCS0	2	6995	11.84	12.11		4.30	4.10	16.14	16.21	30.00	Pass
VHT20	MCS0	2	7095	13.36	13.66		4.30	4.10	17.66	17.76	30.00	Pass
VHT40	MCS0	2	6925	15.34	15.73		4.30	4.10	19.64	19.83	30.00	Pass
VHT40	MCS0	2	7005	15.59	15.55		4.30	4.10	19.89	19.65	30.00	Pass
VHT40	MCS0	2	7085	17.04	16.42		4.30	4.10	21.34	20.52	30.00	Pass
VHT80	MCS0	2	6945	17.62	18.14		4.30	4.10	21.92	22.24	30.00	Pass
VHT80	MCS0	2	7025	18.58	18.52		4.30	4.10	22.88	22.62	30.00	Pass
VHT160	MCS0	2	6985	20.47	20.92		4.30	4.10	24.77	25.02	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

***TEST RESULTS DATA***  
***EIRP Power Spectral Density***

FCC UNII-8 MIMO antenna														
Mod.	Data Rate	NTX	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
				Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	2	6895	0.27	0.28	0.55	0.86		4.30	4.10	4.85	4.96	5.00	Pass
11a	6Mbps	2	6995	0.27	0.28	0.62	0.87		4.30	4.10	4.92	4.97	5.00	Pass
11a	6Mbps	2	7095	0.27	0.28	0.29	0.83		4.30	4.10	4.59	4.93	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other. EIRP PSD of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**26dB EBW and 99% OBW**

UNII-8 MIMO antenna									
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	
HE20	MCS0	2	6895	Full	19.35	16.96	21.80	22.45	
HE20	MCS0	2	6995	Full	19.35	16.96	22.20	21.95	
HE20	MCS0	2	7095	Full	19.35	16.96	22.25	22.45	
HE40	MCS0	2	6925	Full	38.21	38.21	39.96	40.05	
HE40	MCS0	2	7005	Full	38.21	38.21	39.87	40.05	
HE40	MCS0	2	7085	Full	38.21	38.21	40.39	40.05	
HE80	MCS0	2	6945	Full	78.20	78.20	83.04	83.04	
HE80	MCS0	2	7025	Full	78.20	78.20	82.40	82.24	
HE160	MCS0	2	6985	Full	160.02	160.10	216.96	255.04	

**TEST RESULTS DATA**  
**EIRP Power Table**

UNII-8 MIMO antenna													
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6895	Full	12.64	12.90		4.30	4.10	16.94	17.00	30.00	Pass
HE20	MCS0	2	6995	Full	12.45	12.64		4.30	4.10	16.75	16.74	30.00	Pass
HE20	MCS0	2	7095	Full	13.94	14.26		4.30	4.10	18.24	18.36	30.00	Pass
HE40	MCS0	2	6925	Full	15.63	15.83		4.30	4.10	19.93	19.93	30.00	Pass
HE40	MCS0	2	7005	Full	15.70	16.03		4.30	4.10	20.00	20.13	30.00	Pass
HE40	MCS0	2	7085	Full	17.38	17.61		4.30	4.10	21.68	21.71	30.00	Pass
HE80	MCS0	2	6945	Full	18.29	18.64		4.30	4.10	22.59	22.74	30.00	Pass
HE80	MCS0	2	7025	Full	19.24	19.50		4.30	4.10	23.54	23.60	30.00	Pass
HE160	MCS0	2	6985	Full	20.60	21.07		4.30	4.10	24.90	25.17	30.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another. Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP of each polarization must individually be below the limit

**TEST RESULTS DATA**  
**EIRP Power Spectral Density**

FCC UNII-8 MIMO antenna															
Mod.	Data Rate	NTX	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)		EIRP Power Density Limit (dBm)	Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
HE20	MCS0	2	6895	Full	0.32	0.34	0.42	0.56		4.30	4.10	4.72	4.66	5.00	Pass
HE20	MCS0	2	6995	Full	0.32	0.34	0.28	0.26		4.30	4.10	4.58	4.36	5.00	Pass
HE20	MCS0	2	7095	Full	0.32	0.34	0.06	0.39		4.30	4.10	4.36	4.49	5.00	Pass
HE40	MCS0	2	6925	Full	0.36	0.35	0.53	0.80		4.30	4.10	4.83	4.90	5.00	Pass
HE40	MCS0	2	7005	Full	0.36	0.35	0.42	0.75		4.30	4.10	4.72	4.85	5.00	Pass
HE40	MCS0	2	7085	Full	0.36	0.35	0.62	0.84		4.30	4.10	4.92	4.94	5.00	Pass
HE80	MCS0	2	6945	Full	0.39	0.34	0.32	0.74		4.30	4.10	4.62	4.84	5.00	Pass
HE80	MCS0	2	7025	Full	0.39	0.34	0.44	0.69		4.30	4.10	4.74	4.79	5.00	Pass
HE160	MCS0	2	6985	Full	0.36	0.34	0.07	0.59		4.30	4.10	4.37	4.69	5.00	Pass

Note 1: The device has 2 antennas, each of which has one of two polarizations that are orthogonal to one another.

Each polarization has 1 antenna

Note 2: One of the polarization is a 90-degree phase-shifted replica of the other.

EIRP PSD of each polarization must individually be below the limit



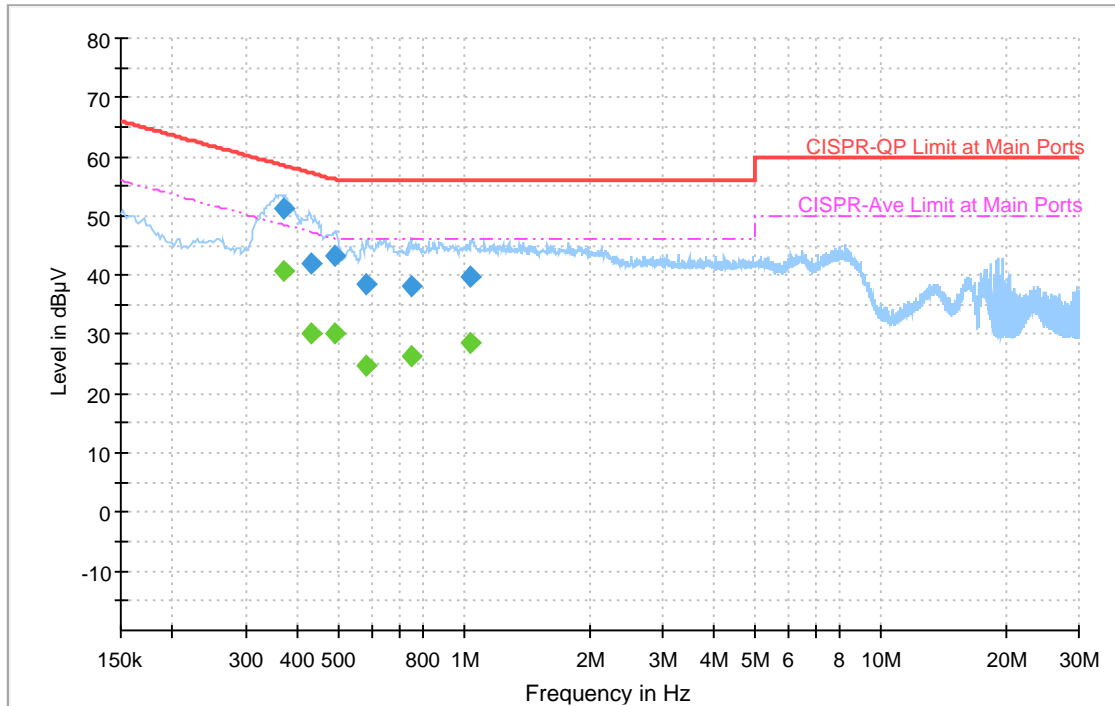
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Leo Liu	Temperature :	23~25°C
		Relative Humidity :	43~47%

# EUT Information

Test Site Location : CO01-CA  
 Power: 120Vac/60Hz  
 Project: 220302001

Full Spectrum



## Final Result

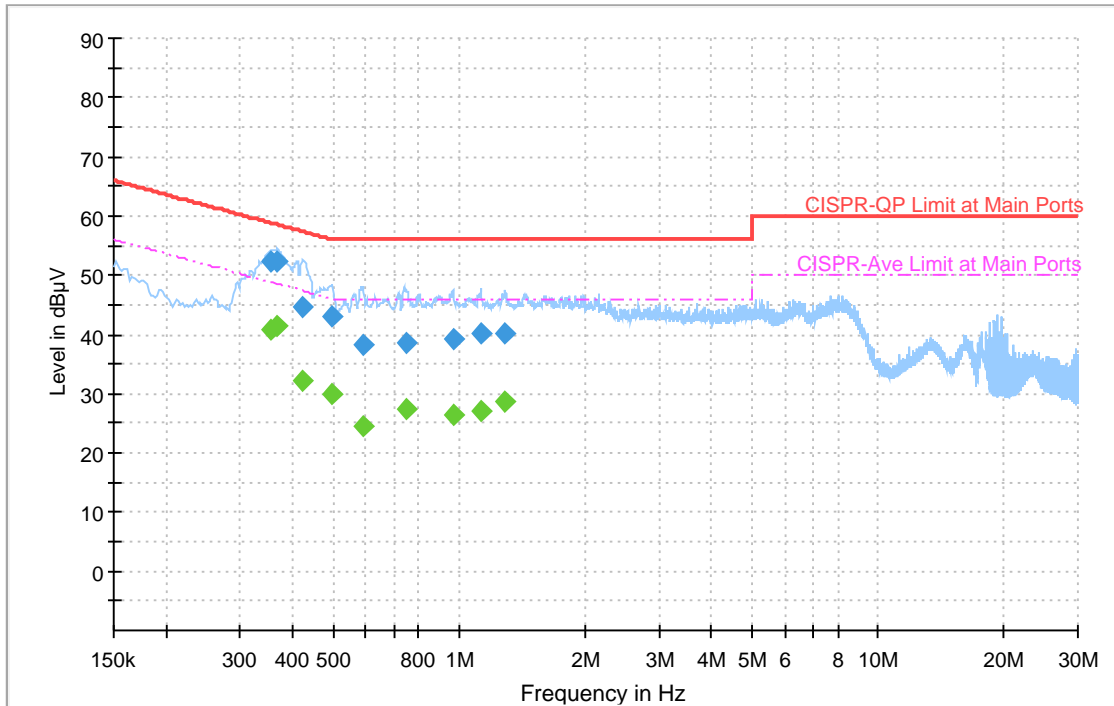
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.368304	---	40.77	48.54	7.77	L1	OFF	20.3
0.368304	51.38	---	58.54	7.16	L1	OFF	20.3
0.427695	---	30.25	47.30	17.05	L1	OFF	20.3
0.427695	41.95	---	57.30	15.35	L1	OFF	20.3
0.490119	---	30.20	46.17	15.97	L1	OFF	20.3
0.490119	43.10	---	56.17	13.07	L1	OFF	20.3
0.585510	---	24.66	46.00	21.34	L1	OFF	20.3
0.585510	38.60	---	56.00	17.40	L1	OFF	20.3
0.748446	---	26.40	46.00	19.60	L1	OFF	20.3
0.748446	38.05	---	56.00	17.95	L1	OFF	20.3
1.036410	---	28.64	46.00	17.36	L1	OFF	20.3
1.036410	39.67	---	56.00	16.33	L1	OFF	20.3



# EUT Information

Test Site Location : CO01-CA  
 Power: 120Vac/60Hz  
 Project: 220302001

Full Spectrum



## Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.356649	---	40.65	48.81	8.16	N	OFF	20.3
0.356649	52.16	---	58.81	6.65	N	OFF	20.3
0.367656	---	41.45	48.55	7.10	N	OFF	20.3
0.367656	52.21	---	58.55	6.34	N	OFF	20.3
0.420990	---	32.23	47.43	15.20	N	OFF	20.3
0.420990	44.60	---	57.43	12.83	N	OFF	20.3
0.494367	---	29.79	46.09	16.30	N	OFF	20.3
0.494367	43.11	---	56.09	12.98	N	OFF	20.3
0.590352	---	24.49	46.00	21.51	N	OFF	20.3
0.590352	38.17	---	56.00	17.83	N	OFF	20.3
0.747285	---	27.26	46.00	18.74	N	OFF	20.3
0.747285	38.62	---	56.00	17.38	N	OFF	20.3
0.966102	---	26.41	46.00	19.59	N	OFF	20.3
0.966102	39.25	---	56.00	16.75	N	OFF	20.3
1.132575	---	27.11	46.00	18.89	N	OFF	20.3
1.132575	40.26	---	56.00	15.74	N	OFF	20.3
1.290435	---	28.72	46.00	17.28	N	OFF	20.3
1.290435	40.06	---	56.00	15.94	N	OFF	20.3



### Appendix C. Radiated Spurious Emission

Test Engineer :	Michael Bui and Yuan Lee	Temperature :	19~25°C
		Relative Humidity :	41~49%

UNII-5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )	
802.11a CH 01 5955MHz		5922.3	77.41	-10.79	88.2	63.2	32.53	11.92	30.24	301	96	P	H	
		5924.4	67.72	-0.48	68.2	53.5	32.54	11.92	30.24	301	96	A	H	
	*	5955	118.42	-	-	104.1	32.61	11.96	30.25	301	96	P	H	
	*	5955	111.43	-	-	97.11	32.61	11.96	30.25	301	96	A	H	
													H	
														H
			5922.3	78.23	-9.97	88.2	63.99	32.56	11.92	30.24	298	345	P	V
			5922.16	66.96	-1.24	68.2	52.72	32.56	11.92	30.24	298	345	A	V
	*		5955	119.89	-	-	105.59	32.59	11.96	30.25	298	345	P	V
	*		5955	112.68	-	-	98.38	32.59	11.96	30.25	298	345	A	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



UNII-5 5925~6425MHz  
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)
802.11a CH 01 5955MHz		11360	49.5	-24.5	74	60.36	39.92	16.93	67.71	-	-	P	H
		11360	40.1	-13.9	54	50.96	39.92	16.93	67.71	-	-	A	H
		11910	46.4	-27.6	74	57.65	39.12	17.39	67.76	-	-	P	H
		13310	49.98	-24.02	74	59.88	39.36	18.46	67.72	-	-	P	H
		13310	39.42	-14.58	54	49.32	39.36	18.46	67.72	-	-	A	H
		14490	50.84	-23.16	74	57.35	41.94	19.29	67.74	-	-	P	H
		14490	42.7	-11.3	54	49.21	41.94	19.29	67.74	-	-	A	H
		17865	56.79	-17.21	74	58.53	45.82	21.85	69.41	-	-	P	H
		17990	60.42	-13.58	74	59.3	48.56	21.98	69.42	-	-	P	H
		17990	49.49	-4.51	54	48.37	48.56	21.98	69.42	-	-	A	H
		36480	47.17	-26.83	74	37.44	42.34	22.19	54.8	-	-	P	H
		39714	51.7	-22.3	74	36.54	44.57	24.56	53.97	-	-	P	H
		39714	44.1	-9.9	54	28.94	44.57	24.56	53.97	-	-	A	H
		11470	48.87	-25.13	74	59.4	40.07	17.02	67.62	-	-	P	V
		11470	39.56	-14.44	54	50.09	40.07	17.02	67.62	-	-	A	V
		11910	47.78	-26.22	74	59.03	39.12	17.39	67.76	-	-	P	V
		13320	49.77	-24.23	74	59.65	39.37	18.47	67.72	-	-	P	V
		13320	39.8	-14.2	54	49.68	39.37	18.47	67.72	-	-	A	V
		14490	50.68	-23.32	74	57.19	41.94	19.29	67.74	-	-	P	V
		14490	42.72	-11.28	54	49.23	41.94	19.29	67.74	-	-	A	V
	17865	56.55	-17.45	74	57.94	46.17	21.85	69.41	-	-	P	V	
	17950	59.79	-14.21	74	59.37	47.9	21.94	69.42	-	-	P	V	
	17950	50.08	-3.92	54	49.66	47.9	21.94	69.42	-	-	A	V	
	36458	47.41	-26.59	74	37.77	42.24	22.18	54.78	-	-	P	V	
	39802	52.76	-21.24	74	36.67	44.86	24.62	53.39	-	-	P	V	
	39802	44.34	-9.66	54	28.25	44.86	24.62	53.39	-	-	A	V	



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)
<b>802.11a</b> <b>CH 45</b> <b>6175MHz</b>		11320	49.54	-24.46	74	60.56	39.81	16.91	67.74	-	-	P	H
		11320	39.69	-14.31	54	50.71	39.81	16.91	67.74	-	-	A	H
		12350	46.85	-27.15	74	57.62	38.77	17.71	67.25	-	-	P	H
		13370	49.61	-24.39	74	59.22	39.57	18.51	67.69	-	-	P	H
		13370	39.01	-14.99	54	48.62	39.57	18.51	67.69	-	-	A	H
		14490	51.93	-22.07	74	58.44	41.94	19.29	67.74	-	-	P	H
		14490	42.18	-11.82	54	48.69	41.94	19.29	67.74	-	-	A	H
		17940	59.43	-14.57	74	59.61	47.31	21.93	69.42	-	-	P	H
		17940	48.18	-5.82	54	48.36	47.31	21.93	69.42	-	-	A	H
		18525	35.55	-38.45	74	37.67	37.71	12.58	52.41	-	-	P	H
		36480	46.64	-27.36	74	36.91	42.34	22.19	54.8	-	-	P	H
		39824	52.59	-21.41	74	36.9	44.62	24.63	53.56	-	-	P	H
		39824	44.34	-9.66	54	28.65	44.62	24.63	53.56	-	-	A	H
		11770	49.87	-24.13	74	61.1	39.19	17.28	67.7	-	-	P	V
		11770	39.7	-14.3	54	50.93	39.19	17.28	67.7	-	-	A	V
		12350	52.59	-21.41	74	63.36	38.77	17.71	67.25	278	44	P	V
		12350	44.05	-9.95	54	54.82	38.77	17.71	67.25	278	44	A	V
		13280	49.75	-24.25	74	59.8	39.25	18.44	67.74	-	-	P	V
		13280	40	-14	54	50.05	39.25	18.44	67.74	-	-	A	V
		14490	50.96	-23.04	74	57.47	41.94	19.29	67.74	-	-	P	V
		14490	43.22	-10.78	54	49.73	41.94	19.29	67.74	-	-	A	V
		17990	59.73	-14.27	74	58.35	48.82	21.98	69.42	-	-	P	V
		17990	49.49	-4.51	54	48.11	48.82	21.98	69.42	-	-	A	V
		18525	36.64	-37.36	74	38.76	37.71	12.58	52.41	-	-	P	V
		36480	46.85	-27.15	74	37.2	42.26	22.19	54.8	-	-	P	V
		39714	52.3	-21.7	74	37.09	44.62	24.56	53.97	-	-	P	V
		39714	44.98	-9.02	54	29.77	44.62	24.56	53.97	-	-	A	V



WiFi Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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 )
802.11a CH 93 6415MHz		10890	49.71	-24.29	74	61.15	40.16	16.56	68.16	-	-	P	H
		10890	39.76	-14.24	54	51.2	40.16	16.56	68.16	-	-	A	H
		12830	48.16	-40.04	88.2	58.74	38.9	18.12	67.6	-	-	P	H
		13310	49.01	-24.99	74	58.91	39.36	18.46	67.72	-	-	P	H
		13310	40.15	-13.85	54	50.05	39.36	18.46	67.72	-	-	A	H
		14490	50.84	-23.16	74	57.35	41.94	19.29	67.74	-	-	P	H
		14490	42.11	-11.89	54	48.62	41.94	19.29	67.74	-	-	A	H
		17970	59.69	-14.31	74	59.11	48.04	21.96	69.42	-	-	P	H
		17970	49.13	-4.87	54	48.55	48.04	21.96	69.42	-	-	A	H
		19245	37.48	-36.52	74	39.58	37.65	12.87	52.62	-	-	P	H
		36458	46.78	-27.22	74	37.07	42.31	22.18	54.78	-	-	P	H
		39758	52.16	-21.84	74	36.61	44.63	24.59	53.67	-	-	P	H
		39758	44.49	-9.51	54	28.94	44.63	24.59	53.67	-	-	A	H
		11370	49.06	-24.94	74	59.95	39.87	16.94	67.7	-	-	P	V
		11370	39.71	-14.29	54	50.6	39.87	16.94	67.7	-	-	A	V
		12830	52.2	-36	88.2	62.76	38.92	18.12	67.6	-	-	P	V
		13330	49.75	-24.25	74	59.58	39.4	18.48	67.71	-	-	P	V
		13330	39.79	-14.21	54	49.62	39.4	18.48	67.71	-	-	A	V
		14490	51.7	-22.3	74	58.21	41.94	19.29	67.74	-	-	P	V
		14490	41.87	-12.13	54	48.38	41.94	19.29	67.74	-	-	A	V
	17970	59.79	-14.21	74	58.89	48.36	21.96	69.42	-	-	P	V	
	17970	49.2	-4.8	54	48.3	48.36	21.96	69.42	-	-	A	V	
	19245	39.26	-34.74	74	41.33	37.68	12.87	52.62	-	-	P	V	
	36458	47.85	-26.15	74	38.21	42.24	22.18	54.78	-	-	P	V	
	39802	52.12	-21.88	74	36.03	44.86	24.62	53.39	-	-	P	V	
	39802	44.14	-9.86	54	28.05	44.86	24.62	53.39	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



**UNII-5 5925~6425MHz  
WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE20 Full CH 01 5955MHz		5924.54	76.01	-12.19	88.2	61.79	32.54	11.92	30.24	303	94	P	H	
		5923.84	67.27	-0.93	68.2	53.05	32.54	11.92	30.24	303	94	A	H	
	*	5955	120.45	-	-	106.13	32.61	11.96	30.25	303	94	P	H	
	*	5955	111.02	-	-	96.7	32.61	11.96	30.25	303	94	A	H	
													H	
														H
			5923.98	80.66	-7.54	88.2	66.42	32.56	11.92	30.24	297	347	P	V
			5922.02	67.2	-1	68.2	52.96	32.56	11.92	30.24	297	347	A	V
	*		5955	120.62	-	-	106.32	32.59	11.96	30.25	297	347	P	V
	*		5955	111.58	-	-	97.28	32.59	11.96	30.25	297	347	A	V
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**UNII-5 5925~6425MHz  
WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE40 Full CH 03 5965MHz		5921.64	76.41	-11.79	88.2	62.2	32.53	11.92	30.24	302	93	P	H	
		5924.7	65.68	-2.52	68.2	51.46	32.54	11.92	30.24	302	93	A	H	
	*	5965	116.8	-	-	102.46	32.62	11.97	30.25	302	93	P	H	
	*	5965	106.31	-	-	91.97	32.62	11.97	30.25	302	93	A	H	
													H	
														H
			5924.88	75.02	-13.18	88.2	60.78	32.56	11.92	30.24	299	347	P	V
			5922.72	62.81	-5.39	68.2	48.57	32.56	11.92	30.24	299	347	A	V
	*		5965	116.28	-	-	101.97	32.59	11.97	30.25	299	347	P	V
	*		5965	106.87	-	-	92.56	32.59	11.97	30.25	299	347	A	V
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**UNII-5 5925~6425MHz  
WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE80 Full CH 07 5985MHz		5912.68	74.81	-13.39	88.2	60.63	32.51	11.91	30.24	250	104	P	H	
		5925	65.8	-2.4	68.2	51.58	32.54	11.92	30.24	250	104	A	H	
	*	5985	112.97	-	-	98.6	32.63	12	30.26	250	104	P	H	
	*	5985	103.38	-	-	89.01	32.63	12	30.26	250	104	A	H	
													H	
														H
			5919.72	77.87	-10.33	88.2	63.64	32.55	11.92	30.24	283	347	P	V
			5921.96	65.24	-2.96	68.2	51	32.56	11.92	30.24	283	347	A	V
	*		5985	114.21	-	-	99.89	32.58	12	30.26	283	347	P	V
	*		5985	103.99	-	-	89.67	32.58	12	30.26	283	347	A	V
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





**UNII-5 5925~6425MHz  
WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ax HE160 Full CH 15 6025MHz		5918.12	73.85	-14.35	88.2	59.66	32.52	11.91	30.24	302	91	P	H	
		5923.56	65.5	-2.7	68.2	51.28	32.54	11.92	30.24	302	91	A	H	
	*	6025	109.71	-	-	95.27	32.67	12.04	30.27	302	91	P	H	
	*	6025	100.94	-	-	86.5	32.67	12.04	30.27	302	91	A	H	
													H	
													H	
			5922.92	74.29	-13.91	88.2	60.05	32.56	11.92	30.24	302	347	P	V
			5921	65.79	-2.41	68.2	51.56	32.55	11.92	30.24	302	347	A	V
	*		6025	111.14	-	-	96.75	32.62	12.04	30.27	302	347	P	V
	*		6025	101.64	-	-	87.25	32.62	12.04	30.27	302	347	A	V
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**UNII-5 5925~6425MHz  
WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
		11320	49.7	-24.3	74	60.72	39.81	16.91	67.74	-	-	P	H
		11320	40.01	-13.99	54	51.03	39.81	16.91	67.74	-	-	A	H
		12050	47.57	-26.43	74	58.51	39.28	17.5	67.72	-	-	P	H
		13380	50.67	-23.33	74	60.23	39.6	18.52	67.68	-	-	P	H
		13380	41.85	-12.15	54	51.41	39.6	18.52	67.68	-	-	A	H
		14490	51.68	-22.32	74	58.19	41.94	19.29	67.74	-	-	P	H
		14490	42.66	-11.34	54	49.17	41.94	19.29	67.74	-	-	A	H
		17950	59.35	-14.65	74	59.3	47.53	21.94	69.42	-	-	P	H
		17950	48.56	-5.44	54	48.51	47.53	21.94	69.42	-	-	A	H
		18075	36.93	-37.07	74	39.36	37.58	12.3	52.31	-	-	P	H
		36458	47.27	-26.73	74	37.56	42.31	22.18	54.78	-	-	P	H
<b>802.11ax</b>		39780	52.57	-21.43	74	36.83	44.66	24.6	53.52	-	-	P	H
<b>HE160 Full</b>		39780	44.32	-9.68	54	28.58	44.66	24.6	53.52	-	-	A	H
<b>CH 15</b>		11420	49.46	-24.54	74	60.16	39.98	16.98	67.66	-	-	P	V
<b>6025MHz</b>		11420	40.53	-13.47	54	51.23	39.98	16.98	67.66	-	-	A	V
		12050	47.25	-26.75	74	58.26	39.21	17.5	67.72	-	-	P	V
		13290	49.1	-24.9	74	59.12	39.27	18.45	67.74	-	-	P	V
		13290	40.9	-13.1	54	50.92	39.27	18.45	67.74	-	-	A	V
		14490	50.89	-23.11	74	57.4	41.94	19.29	67.74	-	-	P	V
		14490	42.21	-11.79	54	48.72	41.94	19.29	67.74	-	-	A	V
		17950	59.52	-14.48	74	59.1	47.9	21.94	69.42	-	-	P	V
		17950	49.54	-4.46	54	49.12	47.9	21.94	69.42	-	-	A	V
		18075	36.37	-37.63	74	38.79	37.59	12.3	52.31	-	-	P	V
		36458	47.21	-26.79	74	37.57	42.24	22.18	54.78	-	-	P	V
		39780	52.12	-21.88	74	36.23	44.81	24.6	53.52	-	-	P	V
		39780	44.47	-9.53	54	28.58	44.81	24.6	53.52	-	-	A	V



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level (dBµV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 47 6185MHz		10800	49.62	-24.38	74	61.57	39.84	16.49	68.28	-	-	P	H
		10800	39.2	-14.8	54	51.15	39.84	16.49	68.28	-	-	A	H
		12370	46.37	-27.63	74	57.17	38.69	17.73	67.22	-	-	P	H
		13350	49.99	-24.01	74	59.69	39.51	18.49	67.7	-	-	P	H
		13350	41.33	-12.67	54	51.03	39.51	18.49	67.7	-	-	A	H
		14490	51.3	-22.7	74	57.81	41.94	19.29	67.74	-	-	P	H
		14490	42.02	-11.98	54	48.53	41.94	19.29	67.74	-	-	A	H
		17970	59.79	-14.21	74	59.21	48.04	21.96	69.42	-	-	P	H
		17970	49.35	-4.65	54	48.77	48.04	21.96	69.42	-	-	A	H
		18555	36.41	-37.59	74	38.53	37.72	12.6	52.44	-	-	P	H
		36480	46.47	-27.53	74	36.74	42.34	22.19	54.8	-	-	P	H
		39868	51.9	-22.1	74	36.63	44.49	24.66	53.88	-	-	P	H
		39868	44	-10	54	28.73	44.49	24.66	53.88	-	-	A	H
		11430	49.2	-24.8	74	59.85	40.01	16.99	67.65	-	-	P	V
		11430	41.12	-12.88	54	51.77	40.01	16.99	67.65	-	-	A	V
		12370	46.6	-27.4	74	57.38	38.71	17.73	67.22	-	-	P	V
		13370	50.95	-23.05	74	60.57	39.56	18.51	67.69	-	-	P	V
		13370	41.52	-12.48	54	51.14	39.56	18.51	67.69	-	-	A	V
		14490	50.78	-23.22	74	57.29	41.94	19.29	67.74	-	-	P	V
		14490	42.14	-11.86	54	48.65	41.94	19.29	67.74	-	-	A	V
	17950	59.76	-14.24	74	59.34	47.9	21.94	69.42	-	-	P	V	
	17950	49.54	-4.46	54	49.12	47.9	21.94	69.42	-	-	A	V	
	18555	37.33	-36.67	74	39.45	37.72	12.6	52.44	-	-	P	V	
	36480	46.57	-27.43	74	36.92	42.26	22.19	54.8	-	-	P	V	
	39780	52.55	-21.45	74	36.66	44.81	24.6	53.52	-	-	P	V	
	39780	44.95	-9.05	54	29.06	44.81	24.6	53.52	-	-	A	V	



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ax HE160 Full CH 79 6345MHZ		11360	49.69	-24.31	74	60.55	39.92	16.93	67.71	-	-	P	H
		11360	40.79	-13.21	54	51.65	39.92	16.93	67.71	-	-	A	H
		12690	46.32	-27.68	74	57.01	38.66	18	67.35	-	-	P	H
		13360	49.65	-24.35	74	59.3	39.54	18.5	67.69	-	-	P	H
		13360	39.26	-14.74	54	48.91	39.54	18.5	67.69	-	-	A	H
		14490	51	-23	74	57.51	41.94	19.29	67.74	-	-	P	H
		14490	41.92	-12.08	54	48.43	41.94	19.29	67.74	-	-	A	H
		17990	59.98	-14.02	74	58.86	48.56	21.98	69.42	-	-	P	H
		17990	49.65	-4.35	54	48.53	48.56	21.98	69.42	-	-	A	H
		19035	37.37	-36.63	74	39.37	37.72	12.88	52.6	-	-	P	H
		36480	47.04	-26.96	74	37.31	42.34	22.19	54.8	-	-	P	H
		39252	53	-21	74	38.87	44.11	24.24	54.22	-	-	P	H
		39252	43.9	-10.1	54	29.77	44.11	24.24	54.22	-	-	A	H
		11430	50.12	-23.88	74	60.77	40.01	16.99	67.65	-	-	P	V
		11430	40.84	-13.16	54	51.49	40.01	16.99	67.65	-	-	A	V
		12690	46.87	-27.13	74	57.63	38.59	18	67.35	-	-	P	V
		13330	49.11	-24.89	74	58.94	39.4	18.48	67.71	-	-	P	V
		13330	39.59	-14.41	54	49.42	39.4	18.48	67.71	-	-	A	V
		14490	51.74	-22.26	74	58.25	41.94	19.29	67.74	-	-	P	V
		14490	42.63	-11.37	54	49.14	41.94	19.29	67.74	-	-	A	V
	17950	59.73	-14.27	74	59.31	47.9	21.94	69.42	-	-	P	V	
	17950	49.01	-4.99	54	48.59	47.9	21.94	69.42	-	-	A	V	
	19035	37.1	-36.9	74	39.07	37.75	12.88	52.6	-	-	P	V	
	36480	47.01	-26.99	74	37.36	42.26	22.19	54.8	-	-	P	V	
	39758	52.58	-21.42	74	36.91	44.75	24.59	53.67	-	-	P	V	
	39758	44.68	-9.32	54	29.01	44.75	24.59	53.67	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



UNII-6 6425~6525MHz  
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)
802.11a CH 97 6435MHz		11400	50.06	-23.94	74	60.77	40.01	16.96	67.68	-	-	P	H
		11400	40.76	-13.24	54	51.47	40.01	16.96	67.68	-	-	A	H
		12870	48.81	-39.39	88.2	59.36	38.98	18.15	67.68	-	-	P	H
		13330	49.11	-24.89	74	58.91	39.43	18.48	67.71	-	-	P	H
		13330	40.46	-13.54	54	50.26	39.43	18.48	67.71	-	-	A	H
		14490	51.16	-22.84	74	57.67	41.94	19.29	67.74	-	-	P	H
		14490	41.59	-12.41	54	48.1	41.94	19.29	67.74	-	-	A	H
		17970	59.89	-14.11	74	59.31	48.04	21.96	69.42	-	-	P	H
		17970	49.24	-4.76	54	48.66	48.04	21.96	69.42	-	-	A	H
		19305	36.59	-37.41	74	38.77	37.61	12.86	52.65	-	-	P	H
		36458	47.65	-26.35	74	37.94	42.31	22.18	54.78	-	-	P	H
		39824	52.31	-21.69	74	36.62	44.62	24.63	53.56	-	-	P	H
		39824	44.41	-9.59	54	28.72	44.62	24.63	53.56	-	-	A	H
		11140	50.41	-23.59	74	61.72	39.82	16.77	67.9	-	-	P	V
		11140	39.81	-14.19	54	51.12	39.82	16.77	67.9	-	-	A	V
		12870	53.8	-34.4	88.2	64.36	38.97	18.15	67.68	-	-	P	V
		13360	49.13	-24.87	74	58.8	39.52	18.5	67.69	-	-	P	V
		13360	41.46	-12.54	54	51.13	39.52	18.5	67.69	-	-	A	V
		14490	50.82	-23.18	74	57.33	41.94	19.29	67.74	-	-	P	V
		14490	41.78	-12.22	54	48.29	41.94	19.29	67.74	-	-	A	V
		18000	59.47	-14.53	74	57.86	49.04	21.99	69.42	-	-	P	V
		18000	50.23	-3.77	54	48.62	49.04	21.99	69.42	-	-	A	V
		19305	37.77	-36.23	74	39.93	37.63	12.86	52.65	-	-	P	V
		36458	46.42	-27.58	74	36.78	42.24	22.18	54.78	-	-	P	V
	39824	52.54	-21.46	74	36.68	44.79	24.63	53.56	-	-	P	V	
	39824	44.92	-9.08	54	29.06	44.79	24.63	53.56	-	-	A	V	



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
802.11a CH 105 6475MHz		11170	49.76	-24.24	74	61.07	39.76	16.8	67.87	-	-	P	H
		11170	39.98	-14.02	54	51.29	39.76	16.8	67.87	-	-	A	H
		12950	48.79	-39.41	88.2	59.44	38.97	18.2	67.82	-	-	P	H
		13360	50.31	-23.69	74	59.96	39.54	18.5	67.69	-	-	P	H
		13360	41.52	-12.48	54	51.17	39.54	18.5	67.69	-	-	A	H
		14490	50.69	-23.31	74	57.2	41.94	19.29	67.74	-	-	P	H
		14490	41.85	-12.15	54	48.36	41.94	19.29	67.74	-	-	A	H
		17960	59.62	-14.38	74	59.32	47.78	21.94	69.42	-	-	P	H
		17960	49.57	-4.43	54	49.27	47.78	21.94	69.42	-	-	A	H
		19425	36.52	-37.48	74	38.73	37.61	12.85	52.67	-	-	P	H
		36480	46.43	-27.57	74	36.7	42.34	22.19	54.8	-	-	P	H
		39824	52.71	-21.29	74	37.02	44.62	24.63	53.56	-	-	P	H
		39824	44.61	-9.39	54	28.92	44.62	24.63	53.56	-	-	A	H
		11390	50.62	-23.38	74	61.44	39.9	16.96	67.68	-	-	P	V
		11390	40.99	-13.01	54	51.81	39.9	16.96	67.68	-	-	A	V
		12950	54.23	-33.97	88.2	64.86	38.99	18.2	67.82	-	-	P	V
		13300	49.36	-24.64	74	59.34	39.3	18.45	67.73	-	-	P	V
		13300	41.55	-12.45	54	51.53	39.3	18.45	67.73	-	-	A	V
		14490	51.05	-22.95	74	57.56	41.94	19.29	67.74	-	-	P	V
		14490	41.75	-12.25	54	48.26	41.94	19.29	67.74	-	-	A	V
		17960	59.63	-14.37	74	58.98	48.13	21.94	69.42	-	-	P	V
		17960	49.4	-4.6	54	48.75	48.13	21.94	69.42	-	-	A	V
		19425	37.14	-36.86	74	39.38	37.58	12.85	52.67	-	-	P	V
		36480	46.87	-27.13	74	37.22	42.26	22.19	54.8	-	-	P	V
	39802	53.22	-20.78	74	37.13	44.86	24.62	53.39	-	-	P	V	
	39802	44.22	-9.78	54	28.13	44.86	24.62	53.39	-	-	A	V	



WiFi Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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 )
802.11a CH 113 6515MHz		10890	50.08	-23.92	74	61.52	40.16	16.56	68.16	-	-	P	H
		10890	39.99	-14.01	54	51.43	40.16	16.56	68.16	-	-	A	H
		13030	49.3	-38.9	88.2	59.98	38.96	18.25	67.89	-	-	P	H
		13280	49.8	-24.2	74	59.86	39.24	18.44	67.74	-	-	P	H
		13280	39.38	-14.62	54	49.44	39.24	18.44	67.74	-	-	A	H
		14490	50.85	-23.15	74	57.36	41.94	19.29	67.74	-	-	P	H
		14490	41.96	-12.04	54	48.47	41.94	19.29	67.74	-	-	A	H
		17970	60.21	-13.79	74	59.63	48.04	21.96	69.42	-	-	P	H
		17970	49.11	-4.89	54	48.53	48.04	21.96	69.42	-	-	A	H
		19545	36.51	-37.49	74	38.78	37.59	12.85	52.71	-	-	P	H
		36458	46.71	-27.29	74	37	42.31	22.18	54.78	-	-	P	H
		39780	52.33	-21.67	74	36.59	44.66	24.6	53.52	-	-	P	H
		39780	44.5	-9.5	54	28.76	44.66	24.6	53.52	-	-	A	H
		11440	50.15	-23.85	74	60.76	40.03	17	67.64	-	-	P	V
		11440	41.11	-12.89	54	51.72	40.03	17	67.64	-	-	A	V
		13030	54.41	-33.79	88.2	65.11	38.94	18.25	67.89	-	-	P	V
		13300	49.55	-24.45	74	59.53	39.3	18.45	67.73	-	-	P	V
		13300	39.74	-14.26	54	49.72	39.3	18.45	67.73	-	-	A	V
		14490	50.83	-23.17	74	57.34	41.94	19.29	67.74	-	-	P	V
		14490	42.23	-11.77	54	48.74	41.94	19.29	67.74	-	-	A	V
		17990	59.58	-14.42	74	58.2	48.82	21.98	69.42	-	-	P	V
		17990	49.99	-4.01	54	48.61	48.82	21.98	69.42	-	-	A	V
		19545	37.18	-36.82	74	39.45	37.59	12.85	52.71	-	-	P	V
		36458	46.17	-27.83	74	36.53	42.24	22.18	54.78	-	-	P	V
	39780	53.01	-20.99	74	37.12	44.81	24.6	53.52	-	-	P	V	
	39780	44.27	-9.73	54	28.38	44.81	24.6	53.52	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



**UNII-6 6425~6525MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 111 6505MHz		11430	50.98	-23.02	74	61.57	40.07	16.99	67.65	-	-	P	H
		11430	41.14	-12.86	54	51.73	40.07	16.99	67.65	-	-	A	H
		13010	49.2	-39	88.2	59.9	38.95	18.25	67.9	-	-	P	H
		13320	49.45	-24.55	74	59.3	39.4	18.47	67.72	-	-	P	H
		13320	39.96	-14.04	54	49.81	39.4	18.47	67.72	-	-	A	H
		14490	51.38	-22.62	74	57.89	41.94	19.29	67.74	-	-	P	H
		14490	41.79	-12.21	54	48.3	41.94	19.29	67.74	-	-	A	H
		17980	59.56	-14.44	74	58.71	48.3	21.97	69.42	-	-	P	H
		17980	49.3	-4.7	54	48.45	48.3	21.97	69.42	-	-	A	H
		19515	35.73	-38.27	74	37.96	37.6	12.85	52.68	-	-	P	H
		36458	47.03	-26.97	74	37.32	42.31	22.18	54.78	-	-	P	H
		39274	52.46	-21.54	74	38.24	44.16	24.26	54.2	-	-	P	H
		39274	44	-10	54	29.78	44.16	24.26	54.2	-	-	A	H
		10800	49.9	-24.1	74	61.91	39.78	16.49	68.28	-	-	P	V
		10800	39.63	-14.37	54	51.64	39.78	16.49	68.28	-	-	A	V
		13010	50.99	-37.21	88.2	61.65	38.99	18.25	67.9	-	-	P	V
		13320	49.35	-24.65	74	59.23	39.37	18.47	67.72	-	-	P	V
		13320	39.59	-14.41	54	49.47	39.37	18.47	67.72	-	-	A	V
		14490	50.85	-23.15	74	57.36	41.94	19.29	67.74	-	-	P	V
		14490	42	-12	54	48.51	41.94	19.29	67.74	-	-	A	V
		17980	60.24	-13.76	74	59.1	48.59	21.97	69.42	-	-	P	V
		17980	49.77	-4.23	54	48.63	48.59	21.97	69.42	-	-	A	V
		19515	37.73	-36.27	74	39.97	37.59	12.85	52.68	-	-	P	V
		36458	47.13	-26.87	74	37.49	42.24	22.18	54.78	-	-	P	V
	39780	53	-21	74	37.11	44.81	24.6	53.52	-	-	P	V	
	39780	44.84	-9.16	54	28.95	44.81	24.6	53.52	-	-	A	V	

**Remark**

- No other spurious found.
- All results are PASS against Peak and Average limit line.
- The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
- The emission level close to 18GHz is checked that the average emission level is noise floor only.





UNII-7 - 6525~6875MHz  
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
802.11a CH 117 6535MHz		10910	50.2	-23.8	74	61.58	40.18	16.58	68.14	-	-	P	H
		10910	40.05	-13.95	54	51.43	40.18	16.58	68.14	-	-	A	H
		13070	49.64	-38.56	88.2	60.28	38.95	18.28	67.87	-	-	P	H
		13340	49.92	-24.08	74	59.67	39.47	18.49	67.71	-	-	P	H
		13340	40.18	-13.82	54	49.93	39.47	18.49	67.71	-	-	A	H
		14490	51.44	-22.56	74	57.95	41.94	19.29	67.74	-	-	P	H
		14490	42.02	-11.98	54	48.53	41.94	19.29	67.74	-	-	A	H
		17970	59.71	-14.29	74	59.13	48.04	21.96	69.42	-	-	P	H
		17970	49.26	-4.74	54	48.68	48.04	21.96	69.42	-	-	A	H
		19606	40.66	-33.34	74	43	37.58	12.84	52.76	-	-	P	H
		36458	46.71	-27.29	74	37	42.31	22.18	54.78	-	-	P	H
		39274	52.76	-21.24	74	38.54	44.16	24.26	54.2	-	-	P	H
		39274	43.87	-10.13	54	29.65	44.16	24.26	54.2	-	-	A	H
		10880	49.77	-24.23	74	61.39	40	16.56	68.18	-	-	P	V
		10880	40.09	-13.91	54	51.71	40	16.56	68.18	-	-	A	V
		13070	55.82	-32.38	88.2	66.52	38.89	18.28	67.87	-	-	P	V
		13330	49.8	-24.2	74	59.63	39.4	18.48	67.71	-	-	P	V
		13330	40.2	-13.8	54	50.03	39.4	18.48	67.71	-	-	A	V
		14490	51.38	-22.62	74	57.89	41.94	19.29	67.74	-	-	P	V
		14490	42.93	-11.07	54	49.44	41.94	19.29	67.74	-	-	A	V
	17980	60.13	-13.87	74	58.99	48.59	21.97	69.42	-	-	P	V	
	17980	49.87	-4.13	54	48.73	48.59	21.97	69.42	-	-	A	V	
	19605	41.74	-32.26	74	44.08	37.58	12.84	52.76	-	-	P	V	
	36458	46.69	-27.31	74	37.05	42.24	22.18	54.78	-	-	P	V	
	39802	52.77	-21.23	74	36.68	44.86	24.62	53.39	-	-	P	V	
	39802	44.65	-9.35	54	28.56	44.86	24.62	53.39	-	-	A	V	



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)	
802.11a CH 149 6695MHz		11330	50.44	-23.56	74	61.43	39.84	16.91	67.74	-	-	P	H	
		11330	40.73	-13.27	54	51.72	39.84	16.91	67.74	-	-	A	H	
		13390	54.58	-19.42	74	64.11	39.63	18.52	67.68	400	206	P	H	
		13390	45.87	-8.13	54	55.4	39.63	18.52	67.68	400	206	A	H	
		14490	51.69	-22.31	74	58.2	41.94	19.29	67.74	-	-	P	H	
		14490	42.22	-11.78	54	48.73	41.94	19.29	67.74	-	-	A	H	
		17960	60.28	-13.72	74	59.98	47.78	21.94	69.42	-	-	P	H	
		17960	49.11	-4.89	54	48.81	47.78	21.94	69.42	-	-	A	H	
		20085	37.31	-36.69	74	39.51	37.61	12.94	52.75	-	-	P	H	
		36480	47.14	-26.86	74	37.41	42.34	22.19	54.8	-	-	P	H	
		39824	53.07	-20.93	74	37.38	44.62	24.63	53.56	-	-	P	H	
		39824	44.18	-9.82	54	28.49	44.62	24.63	53.56	-	-	A	H	
														H
			11440	50.43	-23.57	74	61.04	40.03	17	67.64	-	-	P	V
			11440	40.62	-13.38	54	51.23	40.03	17	67.64	-	-	A	V
			13390	58.26	-15.74	74	67.76	39.66	18.52	67.68	400	262	P	V
			13390	50.63	-3.37	54	60.13	39.66	18.52	67.68	400	262	A	V
			14490	51.16	-22.84	74	57.67	41.94	19.29	67.74	-	-	P	V
			14490	42.03	-11.97	54	48.54	41.94	19.29	67.74	-	-	A	V
			17950	60.16	-13.84	74	59.74	47.9	21.94	69.42	-	-	P	V
			17950	50.68	-3.32	54	50.26	47.9	21.94	69.42	-	-	A	V
			20085	38.15	-35.85	74	40.35	37.61	12.94	52.75	-	-	P	V
			36480	46.65	-27.35	74	37	42.26	22.19	54.8	-	-	P	V
			39494	52.85	-21.15	74	37.99	44.54	24.41	54.09	-	-	P	V
		39494	44.47	-9.53	54	29.61	44.54	24.41	54.09	-	-	A	V	
													V	



WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
802.11a CH 181 6855MHz		10860	49.78	-24.22	74	61.36	40.08	16.54	68.2	-	-	P	H
		10860	39.71	-14.29	54	51.29	40.08	16.54	68.2	-	-	A	H
		13340	49.94	-24.06	74	59.69	39.47	18.49	67.71	-	-	P	H
		13340	39.69	-14.31	54	49.44	39.47	18.49	67.71	-	-	A	H
		13710	49.39	-38.81	88.2	58.36	40.18	18.72	67.87	-	-	P	H
		14490	51.59	-22.41	74	58.1	41.94	19.29	67.74	-	-	P	H
		14490	41.91	-12.09	54	48.42	41.94	19.29	67.74	-	-	A	H
		17980	59.77	-14.23	74	58.92	48.3	21.97	69.42	-	-	P	H
		17980	50.06	-3.94	54	49.21	48.3	21.97	69.42	-	-	A	H
		20565	35.83	-38.17	74	37.18	37.81	13.61	52.77	-	-	P	H
		36458	47.62	-26.38	74	37.91	42.31	22.18	54.78	-	-	P	H
		39802	52.9	-21.1	74	36.99	44.68	24.62	53.39	-	-	P	H
		39802	44.85	-9.15	54	28.94	44.68	24.62	53.39	-	-	A	H
		11360	50.49	-23.51	74	61.42	39.85	16.93	67.71	-	-	P	V
		11360	40.9	-13.1	54	51.83	39.85	16.93	67.71	-	-	A	V
		13350	49.57	-24.43	74	59.31	39.47	18.49	67.7	-	-	P	V
		13350	40.29	-13.71	54	50.03	39.47	18.49	67.7	-	-	A	V
		13710	53.08	-35.12	88.2	62.04	40.19	18.72	67.87	-	-	P	V
		14490	51.45	-22.55	74	57.96	41.94	19.29	67.74	-	-	P	V
		14490	42.29	-11.71	54	48.8	41.94	19.29	67.74	-	-	A	V
		17950	60.08	-13.92	74	59.66	47.9	21.94	69.42	-	-	P	V
		17950	49.88	-4.12	54	49.46	47.9	21.94	69.42	-	-	A	V
		20565	36.85	-37.15	74	38.26	37.75	13.61	52.77	-	-	P	V
		36458	46.51	-27.49	74	36.87	42.24	22.18	54.78	-	-	P	V
	39780	52.71	-21.29	74	36.82	44.81	24.6	53.52	-	-	P	V	
	39780	44.47	-9.53	54	28.58	44.81	24.6	53.52	-	-	A	V	



WiFi Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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 )
802.11a CH 185 6875MHz		11050	50.39	-23.61	74	61.57	40.1	16.7	67.98	-	-	P	H
		11050	40.36	-13.64	54	51.54	40.1	16.7	67.98	-	-	A	H
		13300	49.71	-24.29	74	59.67	39.32	18.45	67.73	-	-	P	H
		13300	39.81	-14.19	54	49.77	39.32	18.45	67.73	-	-	A	H
		13750	50.52	-37.68	88.2	59.47	40.23	18.74	67.92	-	-	P	H
		14490	51.75	-22.25	74	58.26	41.94	19.29	67.74	-	-	P	H
		14490	42.07	-11.93	54	48.58	41.94	19.29	67.74	-	-	A	H
		17990	60.43	-13.57	74	59.31	48.56	21.98	69.42	-	-	P	H
		17990	50.08	-3.92	54	48.96	48.56	21.98	69.42	-	-	A	H
		20625	36.57	-37.43	74	37.79	37.83	13.69	52.74	-	-	P	H
		36480	47.03	-26.97	74	37.3	42.34	22.19	54.8	-	-	P	H
		38966	52.55	-21.45	74	39	43.99	24.02	54.46	-	-	P	H
		38966	43.5	-10.5	54	29.95	43.99	24.02	54.46	-	-	A	H
		10960	50.43	-23.57	74	61.76	40.12	16.62	68.07	-	-	P	V
		10960	40.12	-13.88	54	51.45	40.12	16.62	68.07	-	-	A	V
		13350	49.96	-24.04	74	59.7	39.47	18.49	67.7	-	-	P	V
		13350	41.12	-12.88	54	50.86	39.47	18.49	67.7	-	-	A	V
		13750	53	-35.2	88.2	61.94	40.24	18.74	67.92	-	-	P	V
		14490	51.89	-22.11	74	58.4	41.94	19.29	67.74	-	-	P	V
		14490	42.25	-11.75	54	48.76	41.94	19.29	67.74	-	-	A	V
	18000	60.2	-13.8	74	58.59	49.04	21.99	69.42	-	-	P	V	
	18000	50.12	-3.88	54	48.51	49.04	21.99	69.42	-	-	A	V	
	20625	36.15	-37.85	74	37.41	37.79	13.69	52.74	-	-	P	V	
	36480	47.13	-26.87	74	37.48	42.26	22.19	54.8	-	-	P	V	
	39296	52.73	-21.27	74	38.36	44.27	24.27	54.17	-	-	P	V	
	39296	44.02	-9.98	54	29.65	44.27	24.27	54.17	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



**UNII-7 - 6525~6875MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
		11380	50.42	-23.58	74	61.2	39.96	16.95	67.69	-	-	P	H
		11380	40.94	-13.06	54	51.72	39.96	16.95	67.69	-	-	A	H
		13330	50.45	-23.55	74	60.25	39.43	18.48	67.71	400	205	P	H
		13330	41.31	-12.69	54	51.11	39.43	18.48	67.71	400	205	A	H
		14490	52.84	-21.16	74	59.35	41.94	19.29	67.74	-	-	P	H
		14490	41.99	-12.01	54	48.5	41.94	19.29	67.74	-	-	A	H
		17990	59.82	-14.18	74	58.7	48.56	21.98	69.42	-	-	P	H
		17990	49.63	-4.37	54	48.51	48.56	21.98	69.42	-	-	A	H
		19995	35.52	-38.48	74	37.9	37.63	12.82	52.83	-	-	P	H
		36480	47.98	-26.02	74	38.25	42.34	22.19	54.8	-	-	P	H
		39868	52.41	-21.59	74	37.14	44.49	24.66	53.88	-	-	P	H
<b>802.11ax</b>		39868	44.24	-9.76	54	28.97	44.49	24.66	53.88	-	-	A	H
<b>HE160 Full</b>													H
<b>CH 143</b>		10960	50.39	-23.61	74	61.72	40.12	16.62	68.07	-	-	P	V
<b>6665MHz</b>		10960	40.65	-13.35	54	51.98	40.12	16.62	68.07	-	-	A	V
		13330	54.19	-19.81	74	64.02	39.4	18.48	67.71	400	261	P	V
		13330	44.68	-9.32	54	54.51	39.4	18.48	67.71	400	261	A	V
		14490	51.19	-22.81	74	57.7	41.94	19.29	67.74	-	-	P	V
		14490	42.04	-11.96	54	48.55	41.94	19.29	67.74	-	-	A	V
		17960	60.25	-13.75	74	59.6	48.13	21.94	69.42	-	-	P	V
		17960	49.12	-4.88	54	48.47	48.13	21.94	69.42	-	-	A	V
		19995	36.64	-37.36	74	39.08	37.57	12.82	52.83	-	-	P	V
		36480	46.21	-27.79	74	36.56	42.26	22.19	54.8	-	-	P	V
		39428	52.29	-21.71	74	37.89	44.31	24.36	54.27	-	-	P	V
		39428	43.46	-10.54	54	29.06	44.31	24.36	54.27	-	-	A	V
													V



WiFi Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ax HE160 Full CH 175 6825MHz		10830	49.9	-24.1	74	61.66	39.97	16.51	68.24	-	-	P	H
		10830	40.07	-13.93	54	51.83	39.97	16.51	68.24	-	-	A	H
		13320	49.79	-24.21	74	59.64	39.4	18.47	67.72	-	-	P	H
		13320	41.87	-12.13	54	51.72	39.4	18.47	67.72	-	-	A	H
		13650	49.96	-38.24	88.2	58.92	40.15	18.69	67.8	-	-	P	H
		14490	51.7	-22.3	74	58.21	41.94	19.29	67.74	-	-	P	H
		14490	42.43	-11.57	54	48.94	41.94	19.29	67.74	-	-	A	H
		17980	59.98	-14.02	74	59.13	48.3	21.97	69.42	-	-	P	H
		17980	49.42	-4.58	54	48.57	48.3	21.97	69.42	-	-	A	H
		20475	36.61	-37.39	74	38.17	37.76	13.48	52.8	-	-	P	H
		36480	47.35	-26.65	74	37.62	42.34	22.19	54.8	-	-	P	H
		39802	52.94	-21.06	74	37.03	44.68	24.62	53.39	-	-	P	H
		39802	44.66	-9.34	54	28.75	44.68	24.62	53.39	-	-	A	H
		11420	51.07	-22.93	74	61.77	39.98	16.98	67.66	-	-	P	V
		11420	40.95	-13.05	54	51.65	39.98	16.98	67.66	-	-	A	V
		13390	50.21	-23.79	74	59.71	39.66	18.52	67.68	-	-	P	V
		13390	41.39	-12.61	54	50.89	39.66	18.52	67.68	-	-	A	V
		13650	50.86	-37.34	88.2	59.87	40.1	18.69	67.8	-	-	P	V
		14490	51.86	-22.14	74	58.37	41.94	19.29	67.74	-	-	P	V
		14490	42.26	-11.74	54	48.77	41.94	19.29	67.74	-	-	A	V
	17980	59.9	-14.1	74	58.76	48.59	21.97	69.42	-	-	P	V	
	17980	49.64	-4.36	54	48.5	48.59	21.97	69.42	-	-	A	V	
	20475	36.77	-37.23	74	38.4	37.69	13.48	52.8	-	-	P	V	
	36480	46.6	-27.4	74	36.95	42.26	22.19	54.8	-	-	P	V	
	39780	53.12	-20.88	74	37.23	44.81	24.6	53.52	-	-	P	V	
	39780	44.94	-9.06	54	29.05	44.81	24.6	53.52	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



UNII-8 - 6875~7125MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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)
802.11a CH 229 7095MHz	*	7095	118.03	-	-	100.01	35.86	13.07	30.91	231	88	P	H
	*	7095	111.06	-	-	93.04	35.86	13.07	30.91	231	88	A	H
		7128.04	75.32	-12.88	88.2	57.16	36	13.1	30.94	231	88	P	H
		7125.16	65.4	-2.8	68.2	47.26	35.99	13.09	30.94	231	88	A	H
													H
													H
	*	7095	118.66	-	-	100.57	35.93	13.07	30.91	314	90	P	V
	*	7095	111.28	-	-	93.19	35.93	13.07	30.91	314	90	A	V
		7127.72	77.08	-11.12	88.2	58.82	36.11	13.09	30.94	314	90	P	V
		7125	67.28	-0.92	68.2	49.02	36.1	13.09	30.93	314	90	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-8 - 6875~7125MHz  
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)
802.11a CH 189 6895MHz		10830	50.02	-23.98	74	61.78	39.97	16.51	68.24	-	-	P	H
		10830	40.23	-13.77	54	51.99	39.97	16.51	68.24	-	-	A	H
		13380	50.12	-23.88	74	59.68	39.6	18.52	67.68	-	-	P	H
		13380	40.75	-13.25	54	50.31	39.6	18.52	67.68	-	-	A	H
		13790	49.25	-38.95	88.2	58.09	40.37	18.76	67.97	-	-	P	H
		14490	52.03	-21.97	74	58.54	41.94	19.29	67.74	-	-	P	H
		14490	42.13	-11.87	54	48.64	41.94	19.29	67.74	-	-	A	H
		17940	59.73	-14.27	74	59.91	47.31	21.93	69.42	-	-	P	H
		17940	49.55	-4.45	54	49.73	47.31	21.93	69.42	-	-	A	H
		20685	36.38	-37.62	74	37.48	37.83	13.77	52.7	-	-	P	H
		36458	46.78	-27.22	74	37.07	42.31	22.18	54.78	-	-	P	H
		39758	52.74	-21.26	74	37.19	44.63	24.59	53.67	-	-	P	H
		39758	44.31	-9.69	54	28.76	44.63	24.59	53.67	-	-	A	H
		11010	50.25	-23.75	74	61.53	40.07	16.66	68.01	-	-	P	V
		11010	40.49	-13.51	54	51.77	40.07	16.66	68.01	-	-	A	V
		13320	49.78	-24.22	74	59.66	39.37	18.47	67.72	-	-	P	V
		13320	40.79	-13.21	54	50.67	39.37	18.47	67.72	-	-	A	V
		13790	51.71	-36.49	88.2	60.6	40.32	18.76	67.97	-	-	P	V
		14490	51.78	-22.22	74	58.29	41.94	19.29	67.74	-	-	P	V
		14490	42.29	-11.71	54	48.8	41.94	19.29	67.74	-	-	A	V
	17980	59.76	-14.24	74	58.62	48.59	21.97	69.42	-	-	P	V	
	17980	49.94	-4.06	54	48.8	48.59	21.97	69.42	-	-	A	V	
	20685	36.3	-37.7	74	37.42	37.81	13.77	52.7	-	-	P	V	
	36458	46.83	-27.17	74	37.19	42.24	22.18	54.78	-	-	P	V	
	39758	52.69	-21.31	74	37.02	44.75	24.59	53.67	-	-	P	V	
	39758	44.7	-9.3	54	29.03	44.75	24.59	53.67	-	-	A	V	





WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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)
802.11a CH 209 6995MHz		11500	50.51	-23.49	74	60.88	40.17	17.05	67.59	-	-	P	H
		11500	41.08	-12.92	54	51.45	40.17	17.05	67.59	-	-	A	H
		13350	50.13	-23.87	74	59.83	39.51	18.49	67.7	-	-	P	H
		13350	41.75	-12.25	54	51.45	39.51	18.49	67.7	-	-	A	H
		13990	49.52	-38.68	88.2	57.87	40.9	18.97	68.22	-	-	P	H
		14490	51.99	-22.01	74	58.5	41.94	19.29	67.74	-	-	P	H
		14490	42.17	-11.83	54	48.68	41.94	19.29	67.74	-	-	A	H
		17990	59.94	-14.06	74	58.82	48.56	21.98	69.42	-	-	P	H
		17990	49.58	-4.42	54	48.46	48.56	21.98	69.42	-	-	A	H
		20985	37.29	-36.71	74	37.72	37.96	14.19	52.58	-	-	P	H
		36480	48.09	-25.91	74	38.36	42.34	22.19	54.8	-	-	P	H
		39604	52.6	-21.4	74	37.85	44.24	24.48	53.97	-	-	P	H
		39604	43.51	-10.49	54	28.76	44.24	24.48	53.97	-	-	A	H
		11370	50.06	-23.94	74	60.95	39.87	16.94	67.7	-	-	P	V
		11370	40.88	-13.12	54	51.77	39.87	16.94	67.7	-	-	A	V
		13370	50.06	-23.94	74	59.68	39.56	18.51	67.69	-	-	P	V
		13370	40.84	-13.16	54	50.46	39.56	18.51	67.69	-	-	A	V
		13990	50.88	-37.32	88.2	59.17	40.96	18.97	68.22	-	-	P	V
		14490	52.02	-21.98	74	58.53	41.94	19.29	67.74	-	-	P	V
		14490	42.87	-11.13	54	49.38	41.94	19.29	67.74	-	-	A	V
		18000	60.48	-13.52	74	58.87	49.04	21.99	69.42	-	-	P	V
		18000	50.03	-3.97	54	48.42	49.04	21.99	69.42	-	-	A	V
		20985	36.98	-37.02	74	37.44	37.93	14.19	52.58	-	-	P	V
		36480	46.64	-27.36	74	36.99	42.26	22.19	54.8	-	-	P	V
	39824	53.24	-20.76	74	37.38	44.79	24.63	53.56	-	-	P	V	
	39824	44.91	-9.09	54	29.05	44.79	24.63	53.56	-	-	A	V	



WiFi Ant. 4+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Margin ( 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 )
802.11a CH 229 7095MHz		10830	50.07	-23.93	74	61.83	39.97	16.51	68.24	-	-	P	H
		10830	39.89	-14.11	54	51.65	39.97	16.51	68.24	-	-	A	H
		13280	49.62	-24.38	74	59.68	39.24	18.44	67.74	-	-	P	H
		13280	39.95	-14.05	54	50.01	39.24	18.44	67.74	-	-	A	H
		14190	49.84	-38.36	88.2	57.21	41.54	19.13	68.04	-	-	P	H
		14490	51.51	-22.49	74	58.02	41.94	19.29	67.74	-	-	P	H
		14490	41.81	-12.19	54	48.32	41.94	19.29	67.74	-	-	A	H
		17940	60.28	-13.72	74	60.46	47.31	21.93	69.42	-	-	P	H
		17940	49.37	-4.63	54	49.55	47.31	21.93	69.42	-	-	A	H
		21285	37.57	-36.43	74	37.5	38.17	14.35	52.45	-	-	P	H
		36480	47.11	-26.89	74	37.38	42.34	22.19	54.8	-	-	P	H
		39428	52.08	-21.92	74	37.85	44.14	24.36	54.27	-	-	P	H
		39428	43.01	-10.99	54	28.78	44.14	24.36	54.27	-	-	A	H
		11240	49.69	-24.31	74	61.03	39.63	16.84	67.81	-	-	P	V
		11240	40.1	-13.9	54	51.44	39.63	16.84	67.81	-	-	A	V
		13350	49.96	-24.04	74	59.7	39.47	18.49	67.7	-	-	P	V
		13350	40.42	-13.58	54	50.16	39.47	18.49	67.7	-	-	A	V
		14190	50.64	-37.56	88.2	58.07	41.48	19.13	68.04	-	-	P	V
		14490	51.23	-22.77	74	57.74	41.94	19.29	67.74	-	-	P	V
		14490	41.6	-12.4	54	48.11	41.94	19.29	67.74	-	-	A	V
		17990	60.24	-13.76	74	58.86	48.82	21.98	69.42	-	-	P	V
		17990	49.79	-4.21	54	48.41	48.82	21.98	69.42	-	-	A	V
		21285	37.76	-36.24	74	37.77	38.09	14.35	52.45	-	-	P	V
	36480	46.73	-27.27	74	37.08	42.26	22.19	54.8	-	-	P	V	
	39186	52.93	-21.07	74	38.97	44.05	24.2	54.29	-	-	P	V	
	39186	43.03	-10.97	54	29.07	44.05	24.2	54.29	-	-	A	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> <li>The emission level close to 18GHz is checked that the average emission level is noise floor only.</li> </ol>												



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 229 7095MHz	*	7095	118.73	-	-	100.71	35.86	13.07	30.91	225	89	P	H
	*	7095	109.86	-	-	91.84	35.86	13.07	30.91	225	89	A	H
		7125	72.16	-16.04	88.2	54.01	35.99	13.09	30.93	225	89	P	H
		7125	64.98	-3.22	68.2	46.83	35.99	13.09	30.93	225	89	A	H
													H
													H
	*	7095	119.38	-	-	101.29	35.93	13.07	30.91	315	91	P	V
	*	7095	111.04	-	-	92.95	35.93	13.07	30.91	315	91	A	V
		7126.28	74.54	-13.66	88.2	56.29	36.1	13.09	30.94	315	91	P	V
		7125	67.15	-1.05	68.2	48.89	36.1	13.09	30.93	315	91	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ax HE40 Full CH 227 7085MHz	*	7085	115.29	-	-	97.33	35.8	13.06	30.9	266	91	P	H
	*	7085	106.12	-	-	88.16	35.8	13.06	30.9	266	91	A	H
		7125.12	72.22	-15.98	88.2	54.08	35.99	13.09	30.94	266	91	P	H
		7125	62.97	-5.23	68.2	44.82	35.99	13.09	30.93	266	91	A	H
													H
													H
	*	7085	116.02	-	-	98.02	35.84	13.06	30.9	314	91	P	V
	*	7085	106.9	-	-	88.9	35.84	13.06	30.9	314	91	A	V
		7125	76.67	-11.53	88.2	58.41	36.1	13.09	30.93	314	91	P	V
		7125	65.13	-3.07	68.2	46.87	36.1	13.09	30.93	314	91	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 215 7025MHz	*	7025	116.47	-	-	98.9	35.42	13	30.85	238	89	P	H
	*	7025	106.29	-	-	88.72	35.42	13	30.85	238	89	A	H
		7125.96	74.49	-13.71	88.2	56.35	35.99	13.09	30.94	238	89	P	H
		7125.16	67.04	-1.16	68.2	48.9	35.99	13.09	30.94	238	89	A	H
													H
													H
	*	7025	114.83	-	-	97.31	35.37	13	30.85	291	92	P	V
	*	7025	105.6	-	-	88.08	35.37	13	30.85	291	92	A	V
		7127.24	74.64	-13.56	88.2	56.38	36.11	13.09	30.94	291	92	P	V
		7125	67.94	-0.26	68.2	49.68	36.1	13.09	30.93	291	92	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**UNII-8 - 6875~7125MHz**

**WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 207 6985MHz	*	6985	112.11	-	-	94.78	35.17	12.97	30.81	233	94	P	H
	*	6985	102.64	-	-	85.31	35.17	12.97	30.81	233	94	A	H
		7137.96	76.98	-11.22	88.2	58.79	36.04	13.1	30.95	233	94	P	H
		7125.16	66.99	-1.21	68.2	48.85	35.99	13.09	30.94	233	94	A	H
													H
													H
	*	6985	110.63	-	-	93.32	35.15	12.97	30.81	246	91	P	V
	*	6985	102.12	-	-	84.81	35.15	12.97	30.81	246	91	A	V
		7127.4	75.75	-12.45	88.2	57.49	36.11	13.09	30.94	246	91	P	V
		7125.48	67.52	-0.68	68.2	49.27	36.1	13.09	30.94	246	91	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 4+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 207 6985MHz		11390	50.09	-23.91	74	60.83	39.98	16.96	67.68	-	-	P	H
		11390	40.73	-13.27	54	51.47	39.98	16.96	67.68	-	-	A	H
		13290	49.84	-24.16	74	59.85	39.28	18.45	67.74	-	-	P	H
		13290	39.78	-14.22	54	49.79	39.28	18.45	67.74	-	-	A	H
		13970	48.83	-39.37	88.2	57.19	40.87	18.96	68.19	-	-	P	H
		14490	51.02	-22.98	74	57.53	41.94	19.29	67.74	-	-	P	H
		14490	41.7	-12.3	54	48.21	41.94	19.29	67.74	-	-	A	H
		17980	59.49	-14.51	74	58.64	48.3	21.97	69.42	-	-	P	H
		17980	49.42	-4.58	54	48.57	48.3	21.97	69.42	-	-	A	H
		20955	37.55	-36.45	74	38.06	37.94	14.15	52.6	-	-	P	H
		36458	46.44	-27.56	74	36.73	42.31	22.18	54.78	-	-	P	H
		39846	52.68	-21.32	74	37.2	44.55	24.65	53.72	-	-	P	H
		39846	44.43	-9.57	54	28.95	44.55	24.65	53.72	-	-	A	H
		11360	49.81	-24.19	74	60.74	39.85	16.93	67.71	-	-	P	V
		11360	40.56	-13.44	54	51.49	39.85	16.93	67.71	-	-	A	V
		13320	49.78	-24.22	74	59.66	39.37	18.47	67.72	-	-	P	V
		13320	40.18	-13.82	54	50.06	39.37	18.47	67.72	-	-	A	V
		13970	48.82	-39.38	88.2	57.19	40.86	18.96	68.19	-	-	P	V
		14490	51.89	-22.11	74	58.4	41.94	19.29	67.74	-	-	P	V
		14490	42.06	-11.94	54	48.57	41.94	19.29	67.74	-	-	A	V
		18000	59.89	-14.11	74	58.28	49.04	21.99	69.42	-	-	P	V
		18000	50.08	-3.92	54	48.47	49.04	21.99	69.42	-	-	A	V
		20955	37.04	-36.96	74	37.59	37.9	14.15	52.6	-	-	P	V
		36458	46.9	-27.1	74	37.26	42.24	22.18	54.78	-	-	P	V
	39318	52.56	-21.44	74	38.2	44.27	24.29	54.2	-	-	P	V	
	39318	43.77	-10.23	54	29.41	44.27	24.29	54.2	-	-	A	V	

**Remark**

- No other spurious found.
- All results are PASS against Peak and Average limit line.
- The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
- The emission level close to 18GHz is checked that the average emission level is noise floor only.



Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4+2		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ax HE80 Full LF		79.47	33.91	-6.09	40	51.09	13.65	1.59	32.42	222	291	Q	H	
		79.47	37.41	-2.59	40	54.59	13.65	1.59	32.42	222	291	P	H	
		94.99	35.75	-7.75	43.5	51.18	15.3	1.68	32.41	-	-	P	H	
		143.49	35.97	-7.53	43.5	48.82	17.6	1.95	32.4	-	-	P	H	
		159.01	35.38	-8.12	43.5	49.16	16.6	2.03	32.41	-	-	P	H	
		272.5	34.32	-11.68	46	45	19.05	2.69	32.42	-	-	P	H	
		952.47	34.25	-11.75	46	28.94	31.3	5.21	31.2	-	-	P	H	
														H
														H
			41.64	33.99	-6.01	40	46.67	18.68	1.07	32.43	-	-	P	V
			58.13	32.24	-7.76	40	51.39	11.99	1.29	32.43	100	45	Q	V
			58.13	36.74	-3.26	40	55.89	11.99	1.29	32.43	100	45	P	V
			66.86	33.09	-6.91	40	51.8	12.29	1.42	32.42	100	23	Q	V
			66.86	36.99	-3.01	40	55.7	12.29	1.42	32.42	100	23	P	V
			107.6	31.75	-11.75	43.5	45.47	16.96	1.73	32.41	-	-	P	V
			753.62	31.76	-14.24	46	31.44	28.17	4.55	32.4	-	-	P	V
			955.38	33.47	-12.53	46	28.03	31.41	5.21	31.18	-	-	P	V
														V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against limit line.</li> <li>The emission position marked as "-" means no suspected emission found or emission level has at least 6dB margin against limit or noise floor only.</li> </ol>													





**Note symbol**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>



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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
4+2					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
802.11a		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
5955MHz		5925	43.54	-24.66	68.2	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. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 5925MHz:**

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. Margin(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -32.75(dB)

**For Average Limit @ 5925MHz:**

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. Margin(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -24.66(dB)

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



## Appendix D. Radiated Spurious Emission Plots

<b>Test Engineer :</b>	Michael Bui and Yuan Lee	<b>Temperature :</b>	19~25°C
		<b>Relative Humidity :</b>	41~49%



**UNII-5 - 5925~6425MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

<b>WIFI</b>	<b>UNII-5 5925~6425MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11a CH01 5955MHz</b>	
<b>4+2</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH02-CA          Condition : PEAK_BE(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : PEAK(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH02-CA          Condition : AVG_BE(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+2	Vertical	Fundamental
Peak	<p>Date: 2022-04-21</p> <p>Site : 03CH02-CA            Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Date: 2022-04-21</p> <p>Site : 03CH02-CA            Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Date: 2022-04-21</p> <p>Site : 03CH02-CA            Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



**UNII-5 5925~6425MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

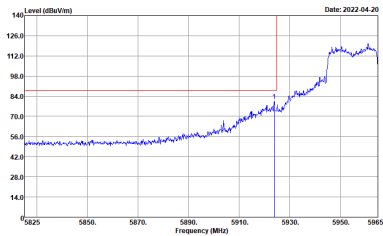
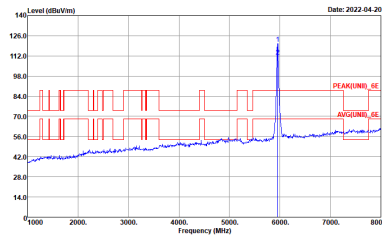
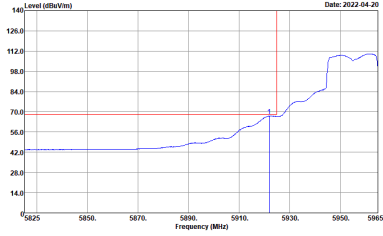
WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+2	Horizontal	Fundamental
<p align="center"><b>Peak</b></p>	<p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA            Condition : PEAK(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p align="center"><b>Avg.</b></p>	<p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p align="center">Left blank</p>





WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



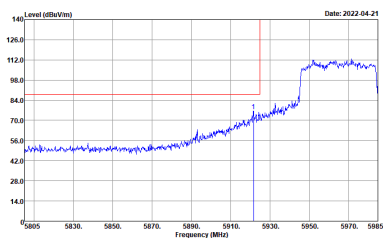
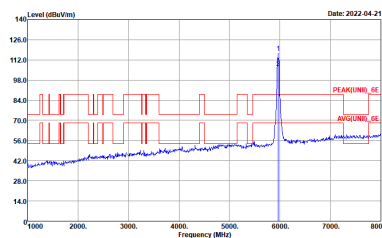
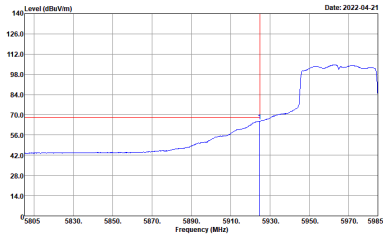
WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+2	Vertical	Fundamental
Peak	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AVG(UNIT)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



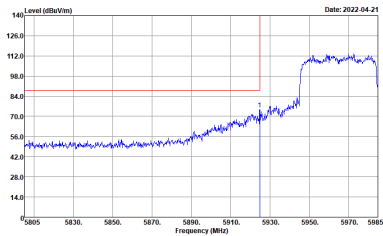
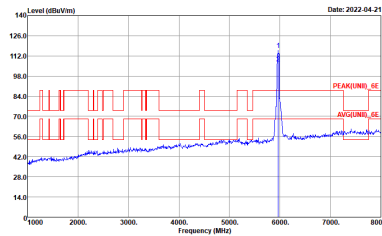
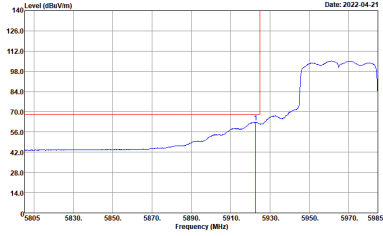
**UNII-5 5925~6425MHz  
WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH02-CA Condition : AVG_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:3000KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



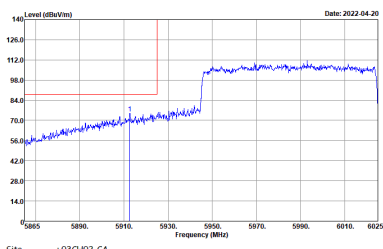
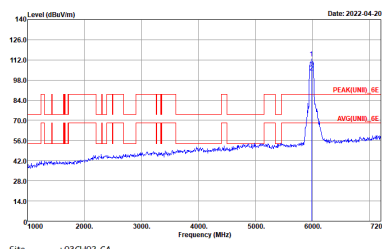
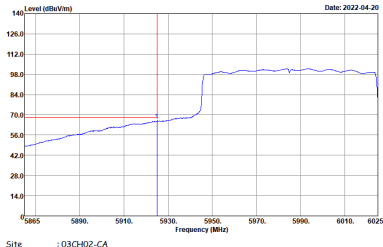
WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+2	Vertical	Fundamental
Peak	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



**UNII-5 5925~6425MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

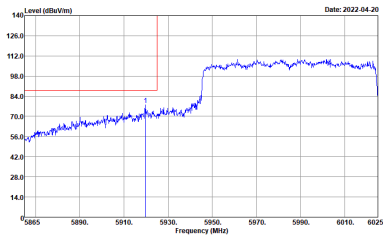
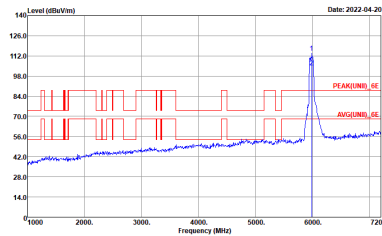
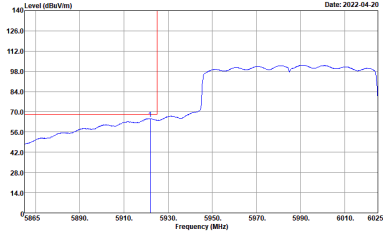
WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank





WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+2	Vertical	Fundamental
Peak	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII_5E) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII_5E) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



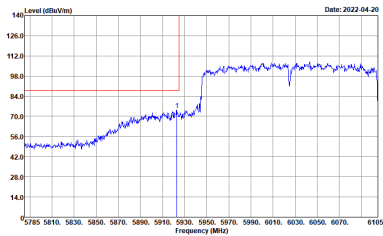
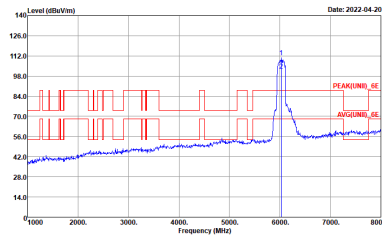
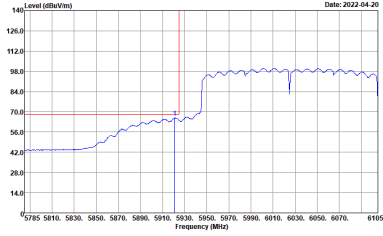
**UNII-5 5925~6425MHz**  
**WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA            Condition : PEAK(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



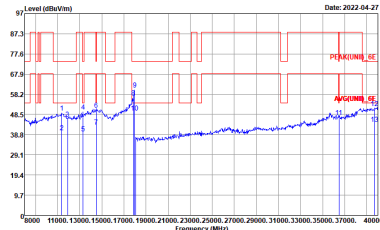
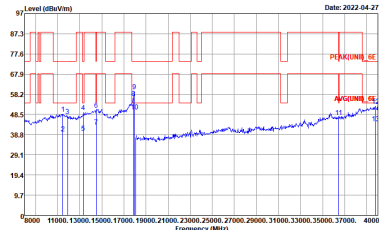
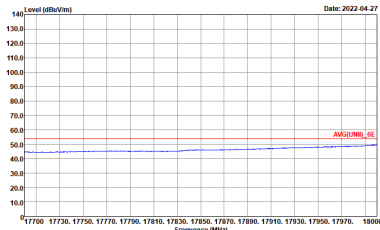
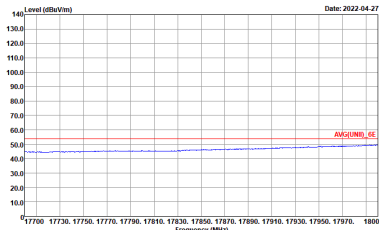
WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+2	Vertical	Fundamental
Peak	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>

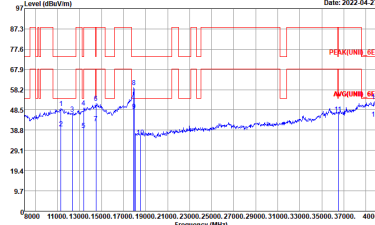
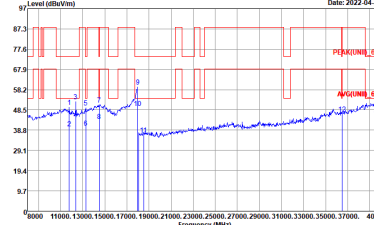
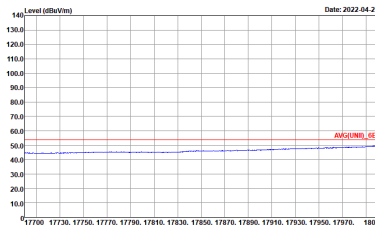
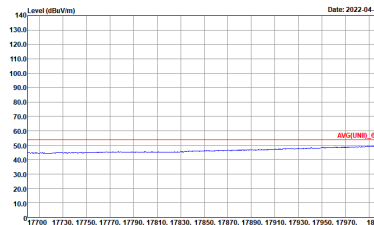


**UNII-5 - 5925~6425MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

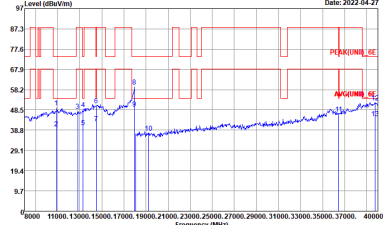
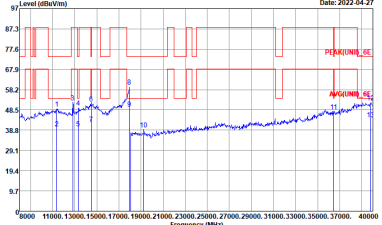
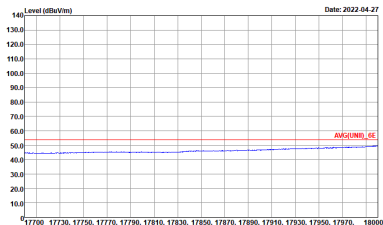
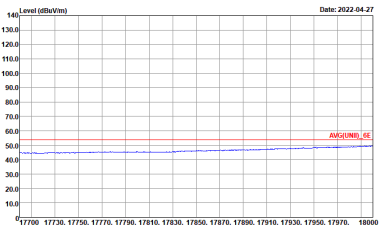
WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH01 5955MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>





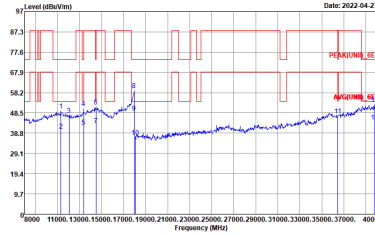
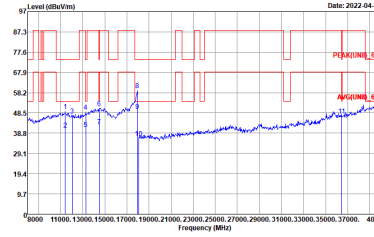
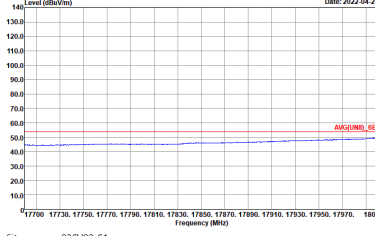
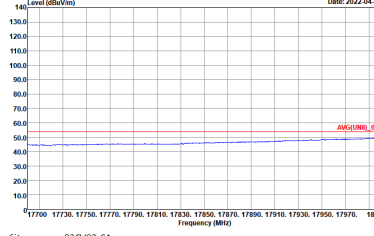
WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH45 6175MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



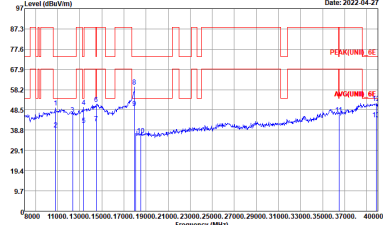
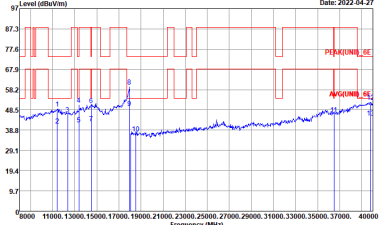
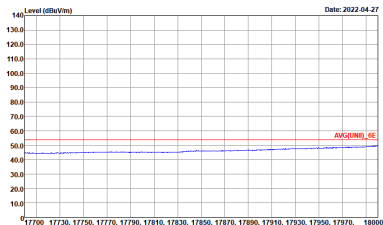
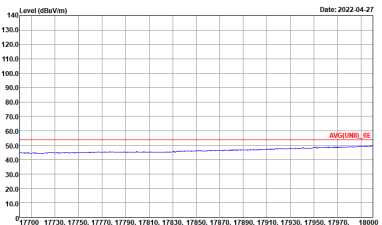
WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



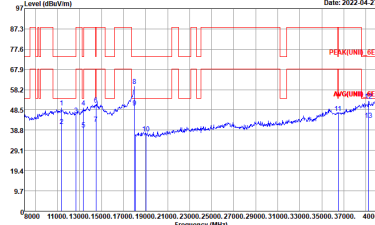
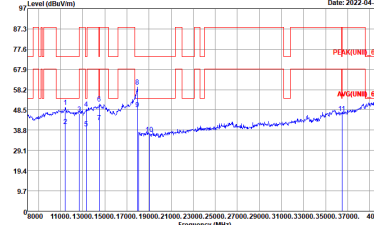
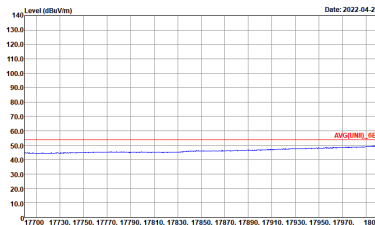
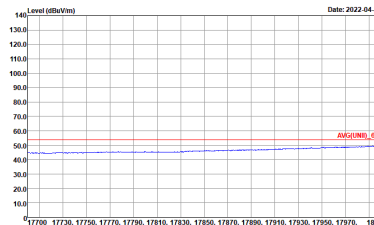
**UNII-5 5925~6425MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+2	Horizontal	Vertical
<p align="center"><b>Peak Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 VERTICAL</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



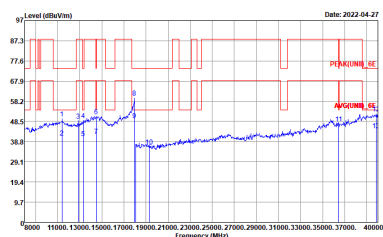
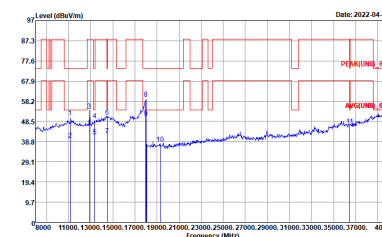
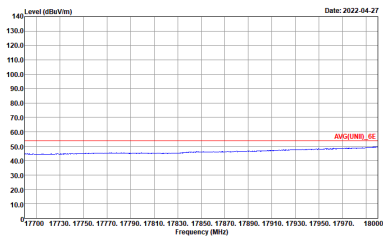
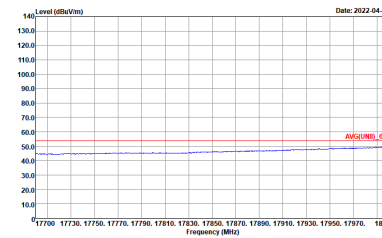
WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



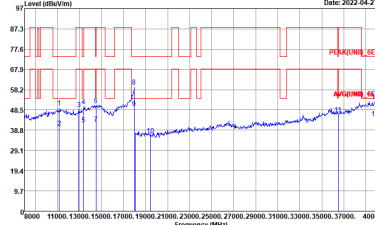
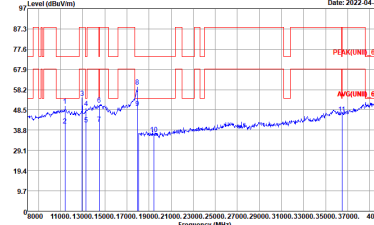
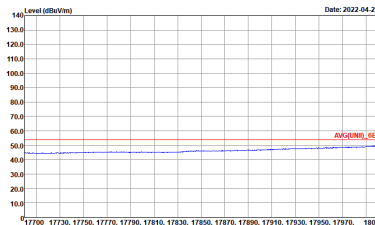
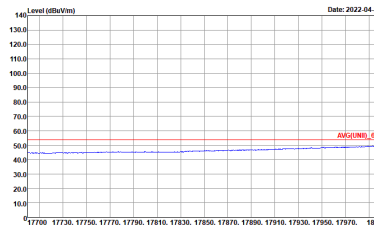
WIFI	UNII-5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



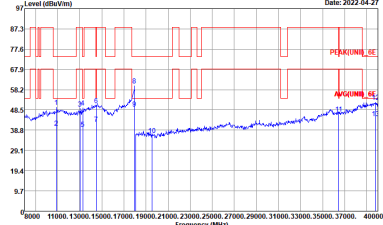
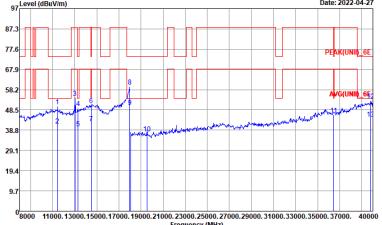
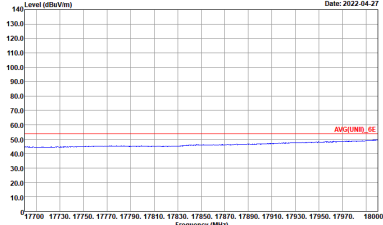
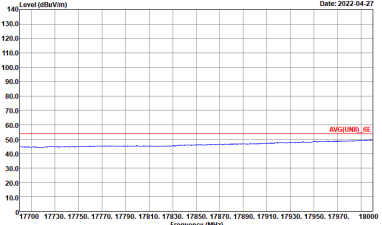
**UNII-6 - 6425~6525MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

<b>WIFI</b>	<b>UNII-6 6425~6525MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH97 6435MHz</b>	
<b>4+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
<b>Avg.</b>	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



WIFI	UNII-6 6425~6525MHz Harmonic @ 3m	
ANT	802.11a CH105 6475MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>

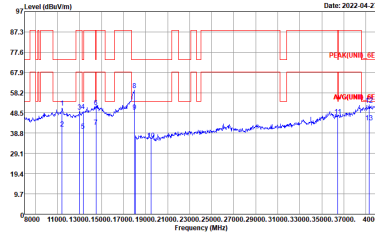
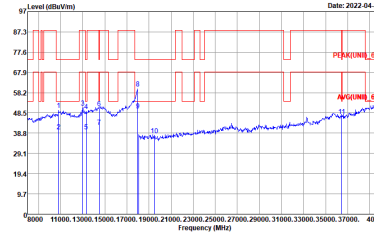
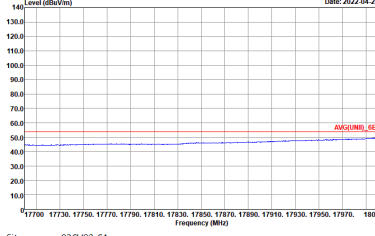
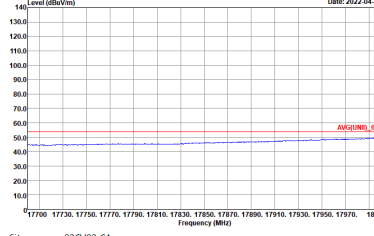


WIFI	UNII-6 6425~6525MHz Harmonic @ 3m	
ANT	802.11a CH113 6615MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



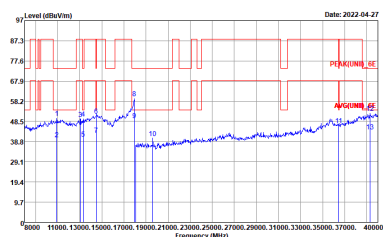
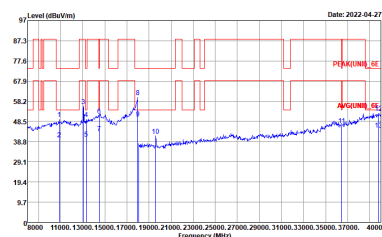
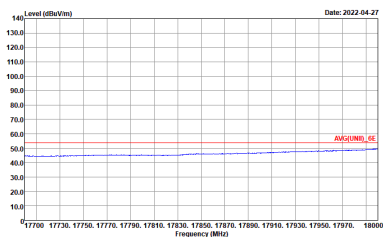
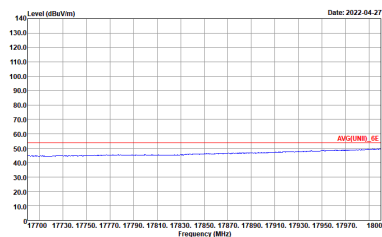


**UNII-6 6425~6525MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

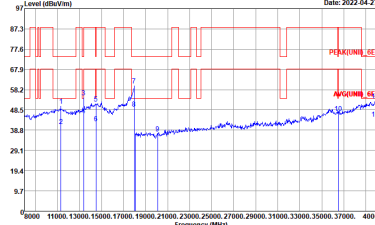
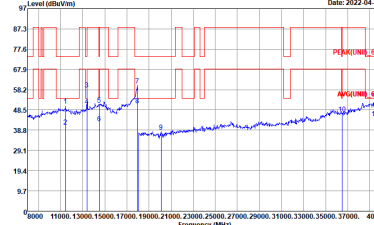
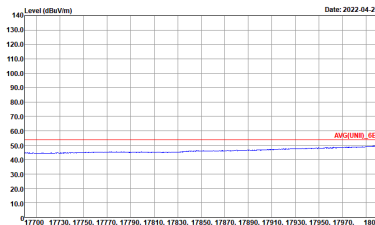
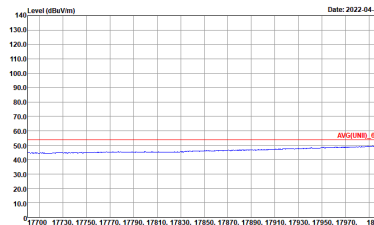
WIFI	UNII-6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH111 6505MHz	
4+2	Horizontal	Vertical
<p align="center"><b>Peak Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 VERTICAL</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



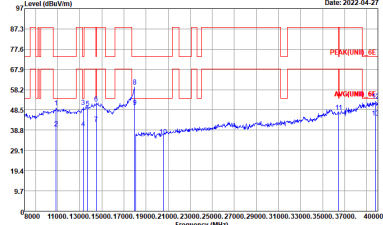
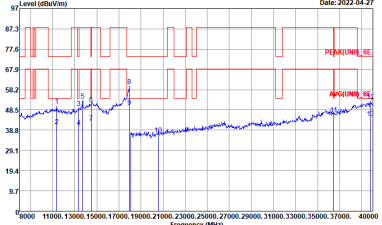
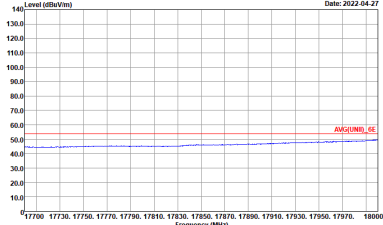
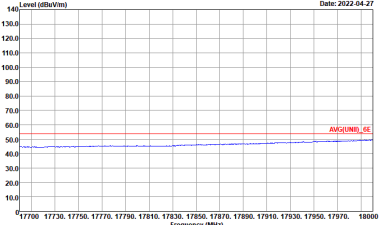
**UNII-7 - 6525~6875MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH117 6535MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>

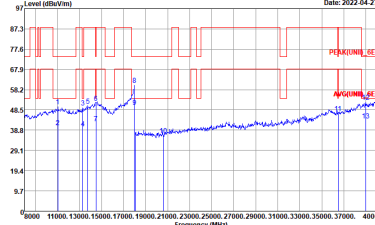
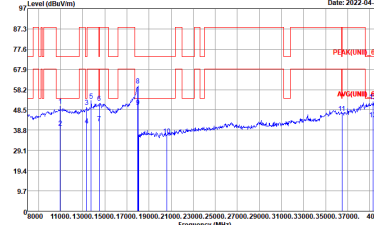
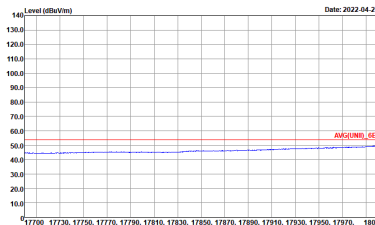
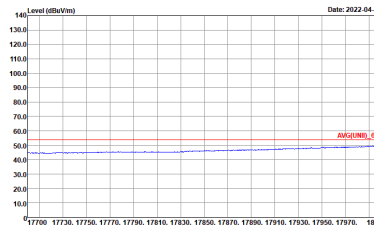


WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH149 6695MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



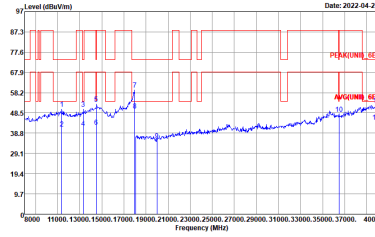
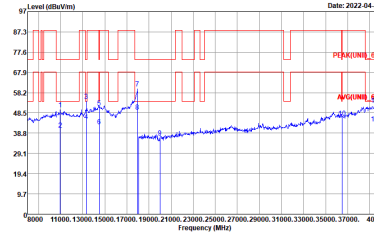
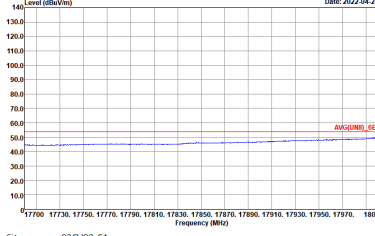
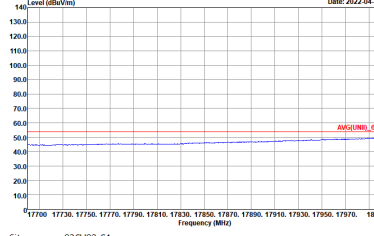
WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH181 6855MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



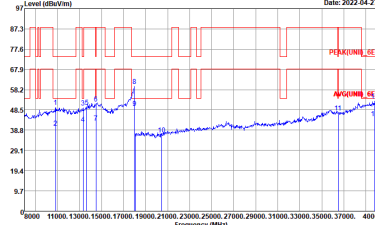
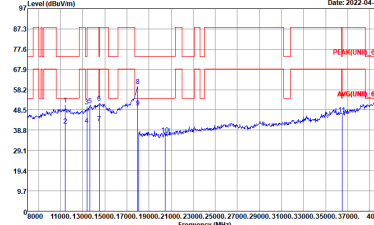
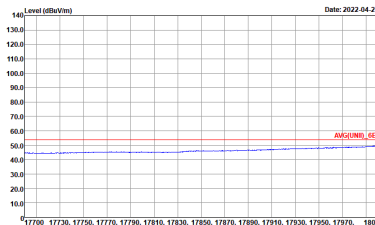
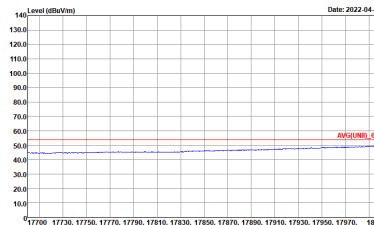
WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH185 6875MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



**UNII-7 6525~6875MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

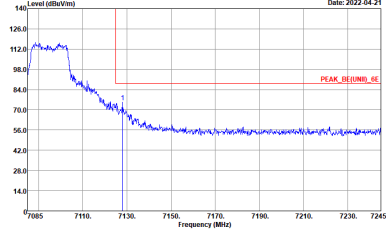
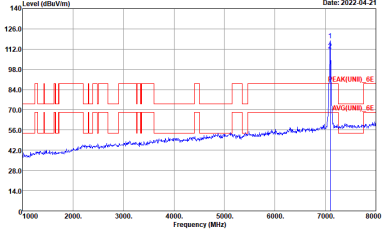
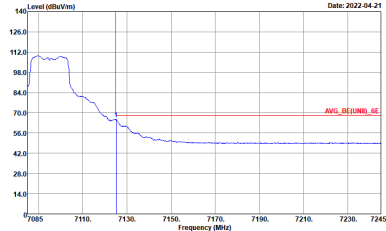
WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH143 6665MHz	
4+2	Horizontal	Vertical
<p align="center"><b>Peak Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E Im SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E Im SHF_HORN_00842_2021 VERTICAL</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



WIFI	UNII-7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH175 6825MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

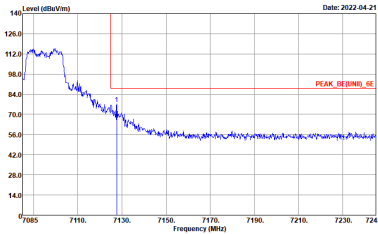
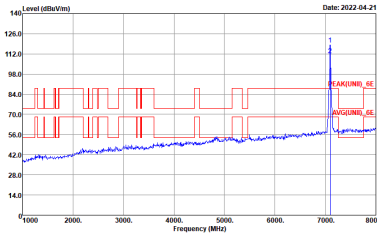
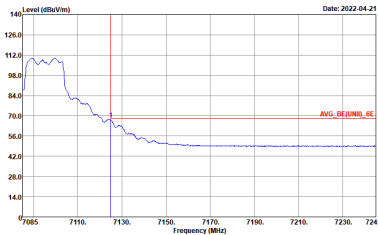
<b>WIFI</b>	<b>UNII-8 6875~7125MHz Band Edge @ 3m</b>	
<b>ANT</b>	<b>802.11a CH229 7095MHz</b>	
<b>4+2</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Peak. The plot shows a signal level starting at approximately 120 dBuV/m at 7085 MHz and decreasing to about 50 dBuV/m at 7245 MHz. A red vertical line is positioned at 7130 MHz, with a red horizontal line indicating the peak level at approximately 85 dBuV/m. The text 'PEAK_BE(LIN)_DE' is visible in red.</p> <p>Site : 03CH02-CA          Condition : PEAK_BE(UNIT)_DE 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a signal level starting at approximately 120 dBuV/m at 7085 MHz and decreasing to about 50 dBuV/m at 7245 MHz. A red vertical line is positioned at 7130 MHz, with a red horizontal line indicating the peak level at approximately 85 dBuV/m. The text 'PEAK(UNIT)_DE' and 'AVG(UNIT)_DE' are visible in red.</p> <p>Site : 03CH02-CA          Condition : PEAK(UNIT)_DE 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Horizontal Avg. The plot shows a signal level starting at approximately 120 dBuV/m at 7085 MHz and decreasing to about 50 dBuV/m at 7245 MHz. A red vertical line is positioned at 7130 MHz, with a red horizontal line indicating the average level at approximately 70 dBuV/m. The text 'AVG_BE(LIN)_DE' is visible in red.</p> <p>Site : 03CH02-CA          Condition : AVG_BE(UNIT)_DE 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000kHz VBW:1000kHz SWT:Auto</p>	<b>Left blank</b>





WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH229 7095MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH229 7095MHz	
4+2	Vertical	Fundamental
Peak	 <p>Date: 2022-04-21</p> <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-04-21</p> <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-04-21</p> <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH229 7095MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>



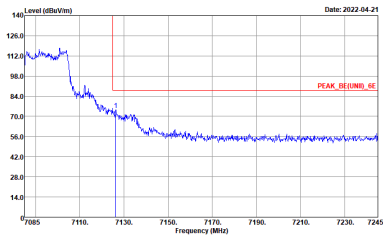
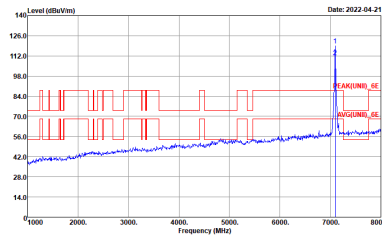
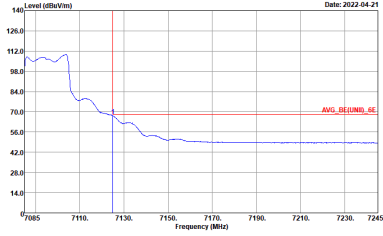
**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE20 Full (Band Edge @ 3m)**

WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+2	Horizontal	Fundamental
Peak	<p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



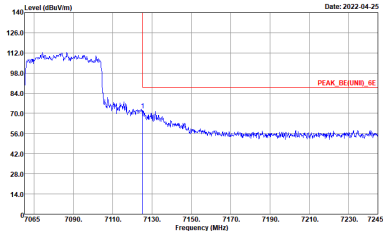
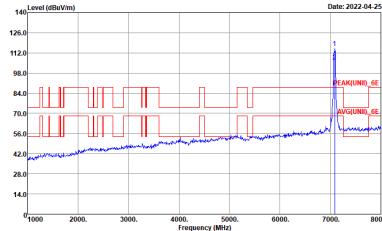
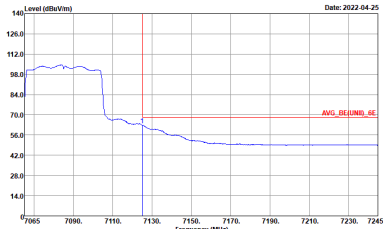
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+2	Vertical	Fundamental
Peak	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Vertical Peak. The plot shows a signal level starting at approximately 110 dBm/100MHz at 7095 MHz and decreasing to about 55 dBm/100MHz at 7125 MHz. A red horizontal line indicates the peak level at approximately 85 dBm/100MHz. The x-axis ranges from 7085 to 7245 MHz, and the y-axis ranges from 14.0 to 140.0 dBm/100MHz.</p> <p>Site : 03CH02-CA            Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Fundamental Peak. The plot shows a signal level starting at approximately 85 dBm/100MHz at 7095 MHz and decreasing to about 55 dBm/100MHz at 7125 MHz. A red horizontal line indicates the peak level at approximately 85 dBm/100MHz. The x-axis ranges from 1000 to 8000 MHz, and the y-axis ranges from 14.0 to 140.0 dBm/100MHz.</p> <p>Site : 03CH02-CA            Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot for Vertical Avg. The plot shows a signal level starting at approximately 110 dBm/100MHz at 7095 MHz and decreasing to about 55 dBm/100MHz at 7125 MHz. A red horizontal line indicates the average level at approximately 70 dBm/100MHz. The x-axis ranges from 7085 to 7245 MHz, and the y-axis ranges from 14.0 to 140.0 dBm/100MHz.</p> <p>Site : 03CH02-CA            Condition : AVG_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

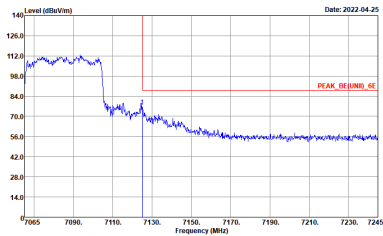
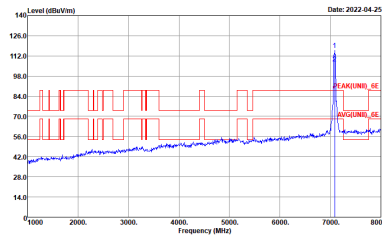
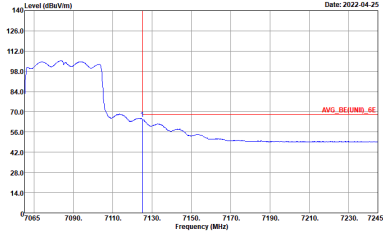
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+2	Horizontal	Fundamental
Peak	 <p>Date: 2022.04.25</p> <p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2022.04.25</p> <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2022.04.25</p> <p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank





WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



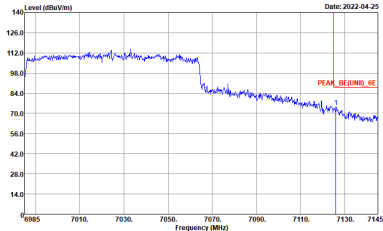
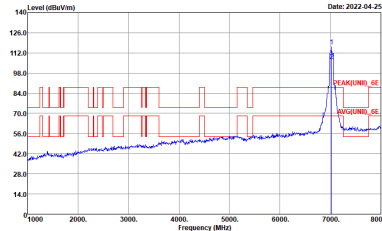
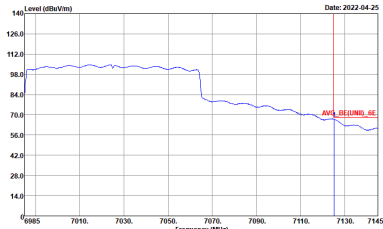
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+2	Vertical	Fundamental
Peak	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA            Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA            Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA            Condition : AVG_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL            : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII_8E) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII_8E) 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



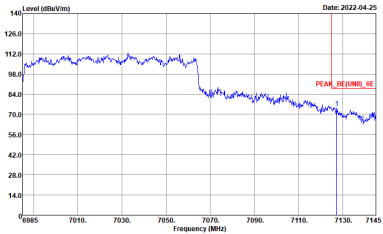
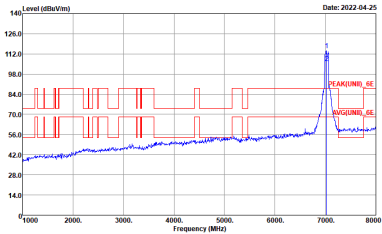
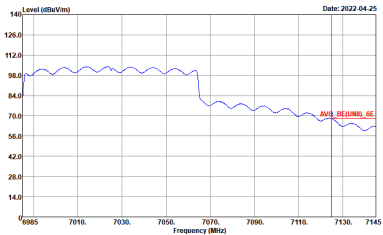
**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
4+2	Horizontal	Fundamental
<p align="center"><b>Peak</b></p>	 <p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p align="center"><b>Left blank</b></p>



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
4+2	Vertical	Fundamental
Peak	 <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH215 7025MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE160 Full (Band Edge @ 3m)**

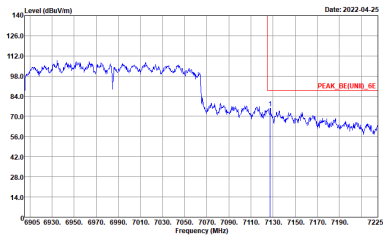
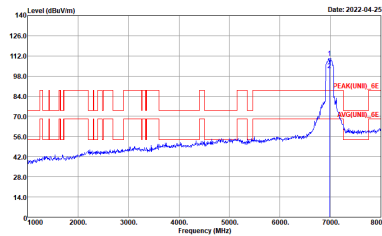
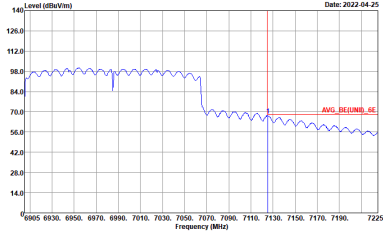
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
4+2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH02-CA            Condition : PEAK_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH02-CA            Condition : PEAK(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH02-CA            Condition : AVG_BE(UNII)_0E 3m HORN-HF_01895_2021 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank





WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
4+2	Horizontal 4.5~5.46GHz	Horizontal 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA          Condition : AV6(UNIT)_6E 3m HORN-HF_01895_2021 HORIZONTAL          : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



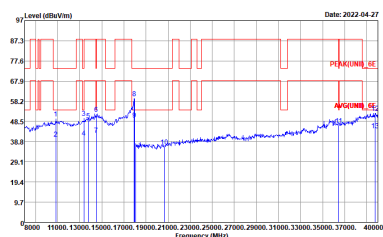
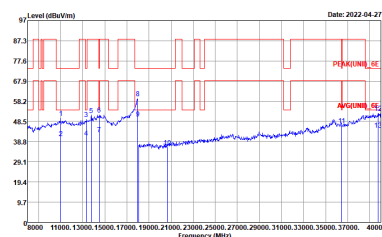
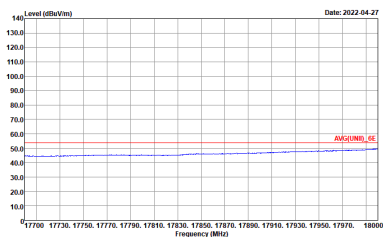
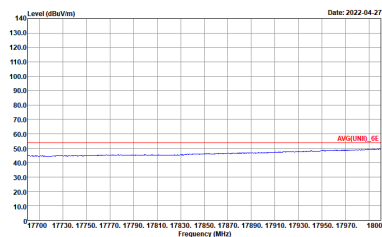
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
4+2	Vertical	Fundamental
Peak	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA Condition : PEAK_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA Condition : PEAK(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2022-04-25</p> <p>Site : 03CH02-CA Condition : AVG_BE(UNIT)_AE 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	Left blank



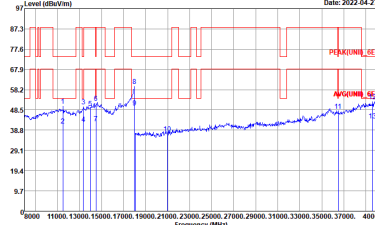
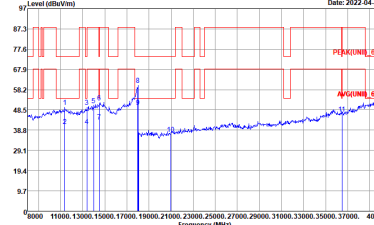
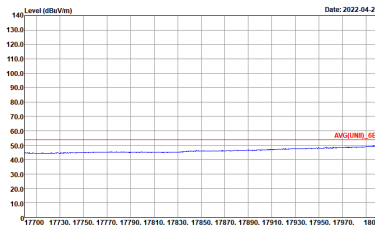
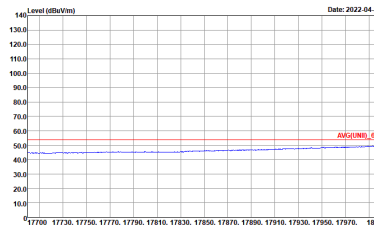
WIFI	UNII-8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
4+2	Vertical 4.5~5.46GHz	Vertical 7.25~7.75GHz
Avg.	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>	<p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL : RBW:1000.000KHz VBW:0.300KHz SWT:Auto</p>



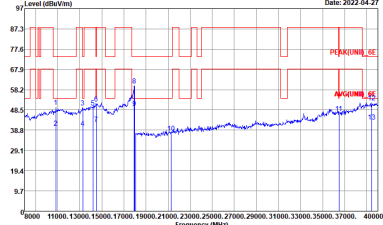
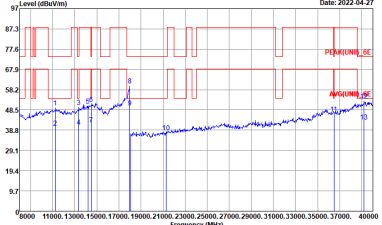
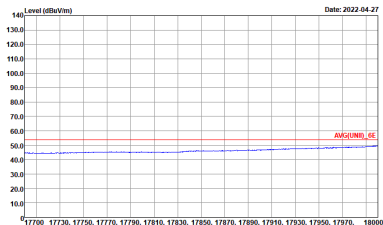
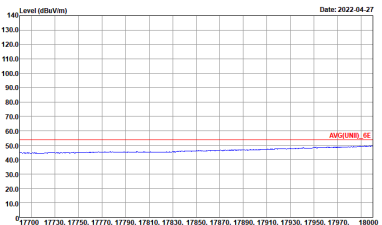
**UNII-8 - 6875~7125MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	UNII-8 6875~7125MHz Harmonic @ 3m	
ANT	802.11a CH189 6895MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA          Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



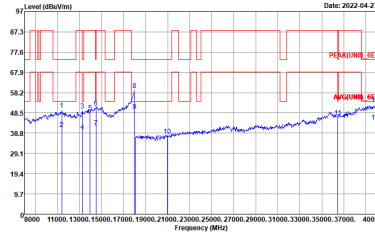
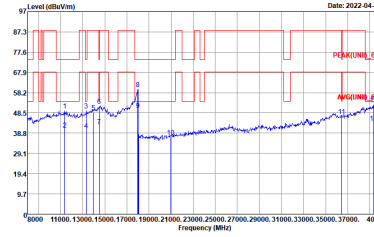
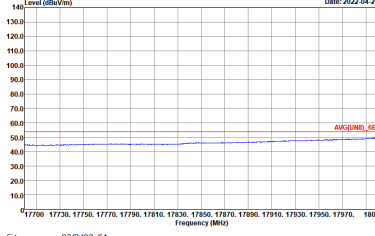
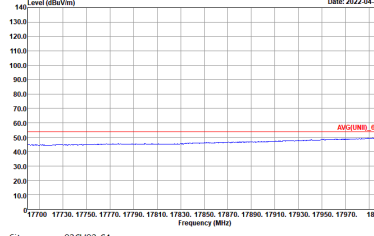
WIFI	UNII-8 6875~7125MHz Harmonic @ 3m	
ANT	802.11a CH209 6995MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



WIFI	UNII-8 6875~7125MHz Harmonic @ 3m	
ANT	802.11a CH229 7095MHz	
4+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : PEAK(UNII)_6E 1m SHF_HORN_00842_2021 VERTICAL</p>
Avg.	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA Condition : AV6(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



**UNII-8 - 6875~7125MHz**  
**WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI	UNII-8 6875~7125MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH207 6985MHz	
4+2	Horizontal	Vertical
<p align="center"><b>Peak Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : PEAK(UNII)_6E 3m SHF_HORN_00842_2021 VERTICAL</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 HORIZONTAL</p>	 <p>Site : 03CH02-CA            Condition : AVG(UNII)_6E 3m HORN-HF_01895_2021 VERTICAL</p>



Emission below 1GHz  
6GHz WIFI 802.11ax HE80 Full (LF)

WIFI	6GHz WIFI	
ANT	802.11ax HE80 Full LF	
4+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH02-CA Condition : QP 3m BIL06_54683_2021 HORIZONTAL</p>	<p>Site : 03CH02-CA Condition : QP 3m BIL06_54683_2021 VERTICAL</p>





### Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4+2	802.11a	94.27	1974	0.51	1kHz
4+2	6GHz 802.11ax HE20 Full RU	92.82	5430	0.18	300Hz
4+2	6GHz 802.11ax HE40 Full RU	93.04	5415	0.18	300Hz
4+2	6GHz 802.11ax HE80 Full RU	92.44	5380	0.19	300Hz
4+2	6GHz 802.11ax HE160 Full RU	93.47	5440	0.18	300Hz



MIMO <Ant. 4+2>

