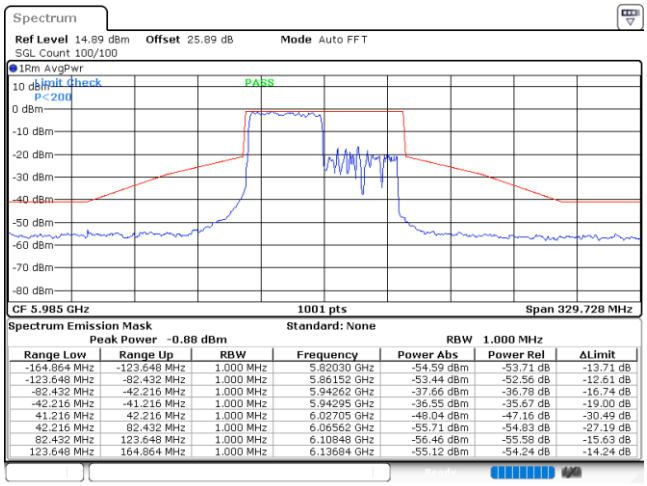
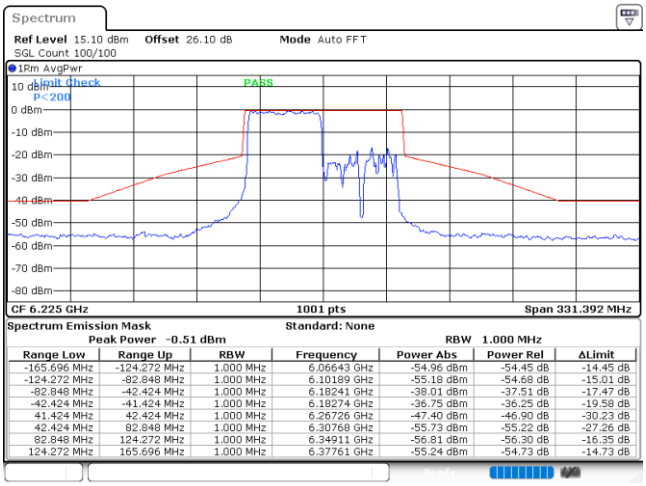
EUT Mode	802.11ax HE80 484RU65

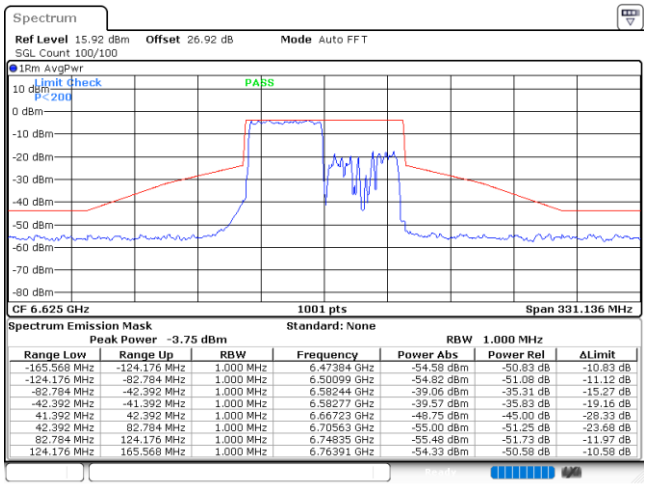
Plot on Channel 5985 MHz



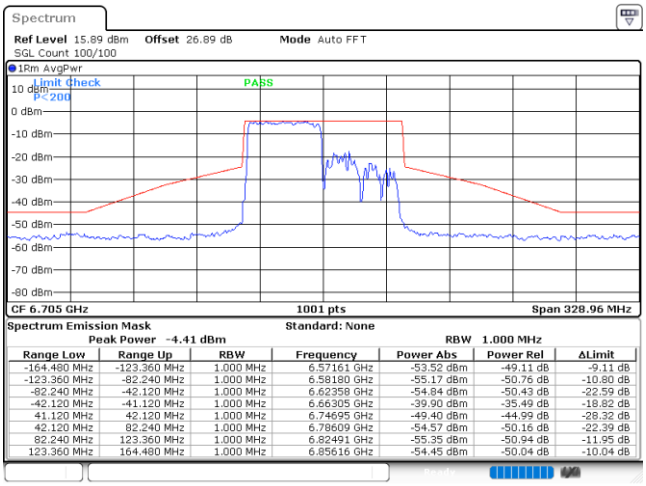
Plot on Channel 6225 MHz



Plot on Channel 6625 MHz

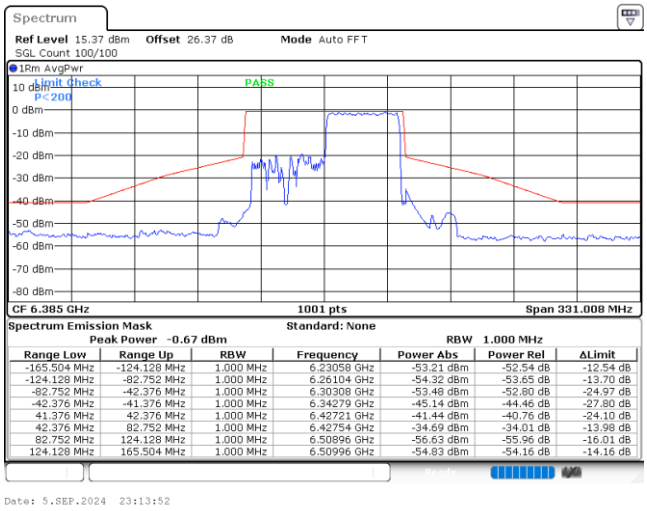


Plot on Channel 6705 MHz

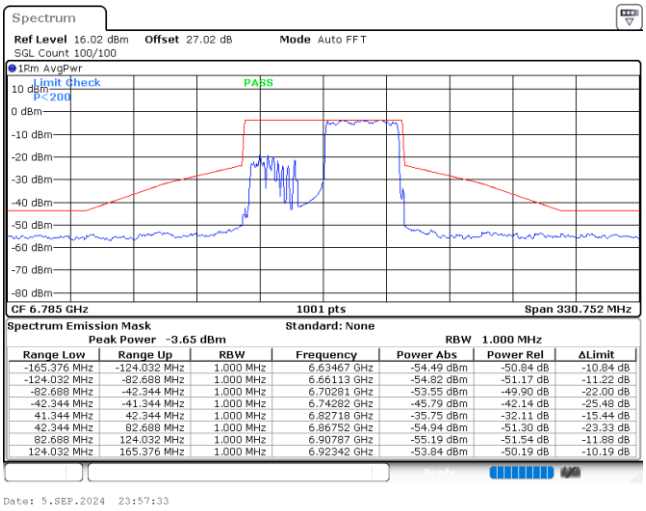


EUT Mode	802.11ax HE80 484RU66

Plot on Channel 6385 MHz



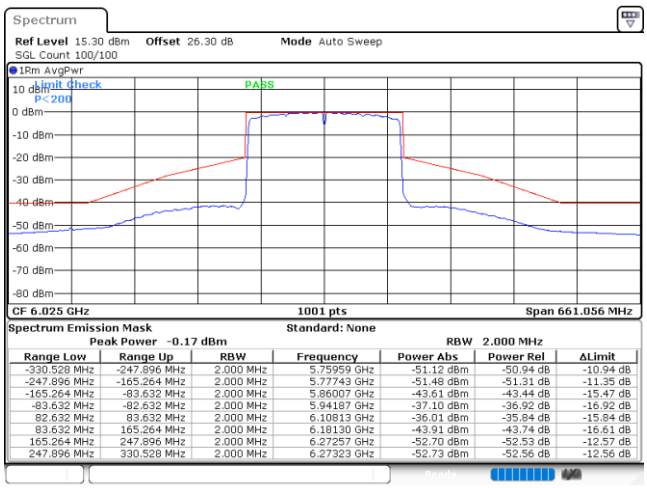
Plot on Channel 6785 MHz



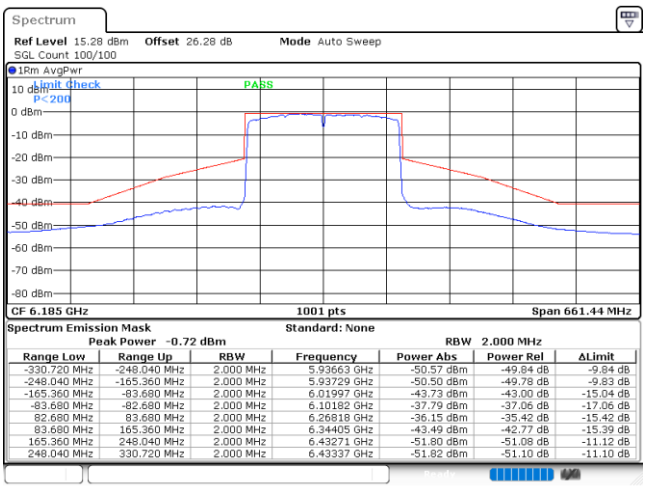
MIMO <Ant. 1+2(1)>

EUT Mode	802.11ax HE160 Full RU

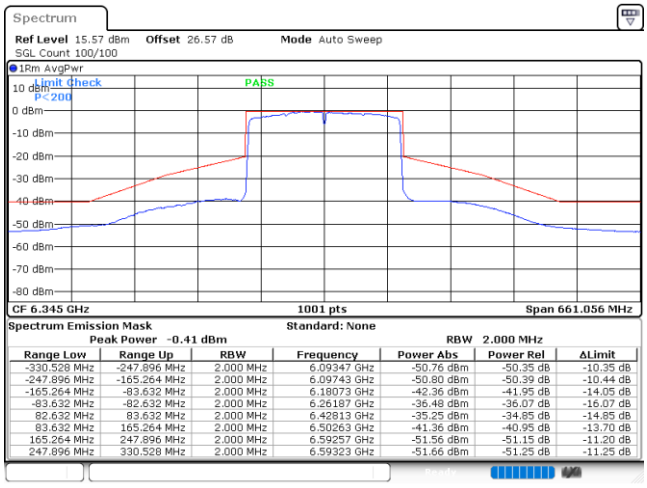
Plot on Channel 6025 MHz



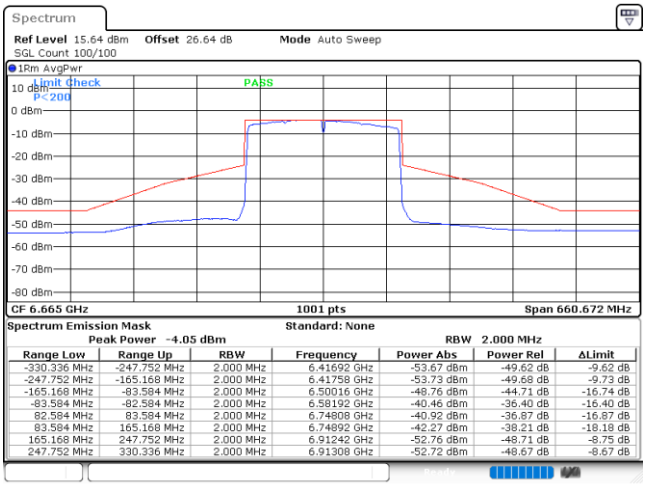
Plot on Channel 6185 MHz



Plot on Channel 6345 MHz

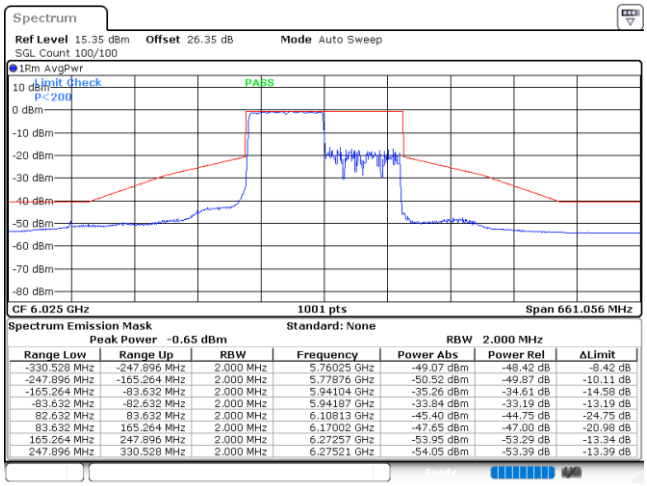


Plot on Channel 6665 MHz

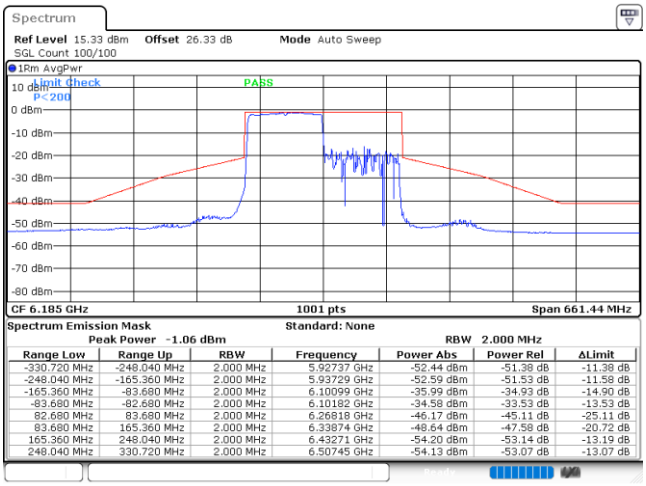


EUT Mode	802.11ax HE160 996RU67

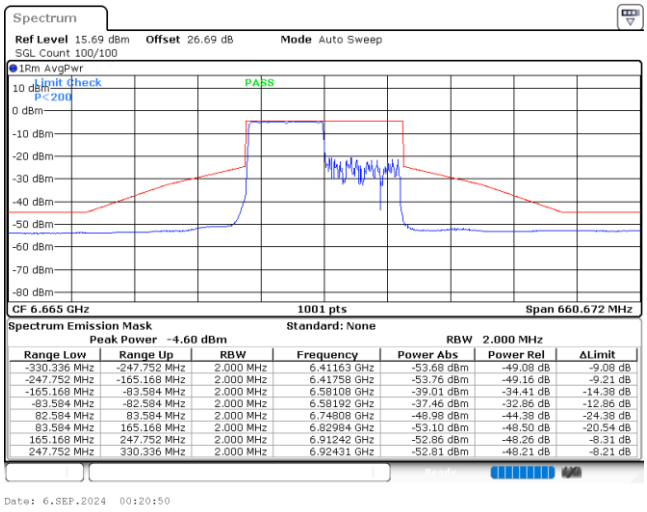
Plot on Channel 6025 MHz



Plot on Channel 6185 MHz

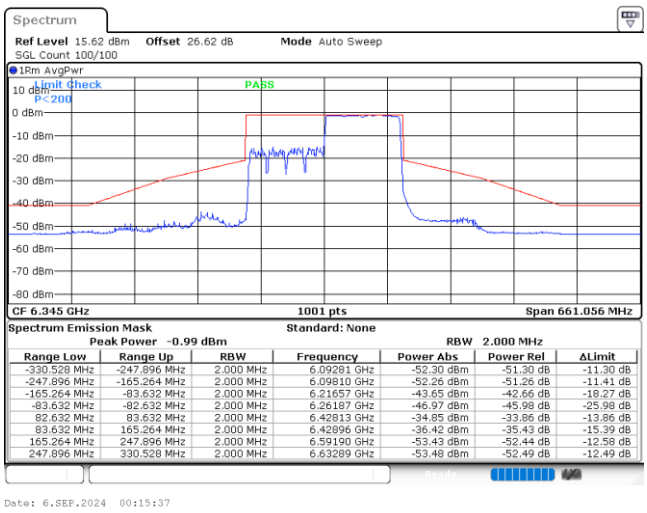


Plot on Channel 6665 MHz



EUT Mode	802.11ax HE160 996RUS67

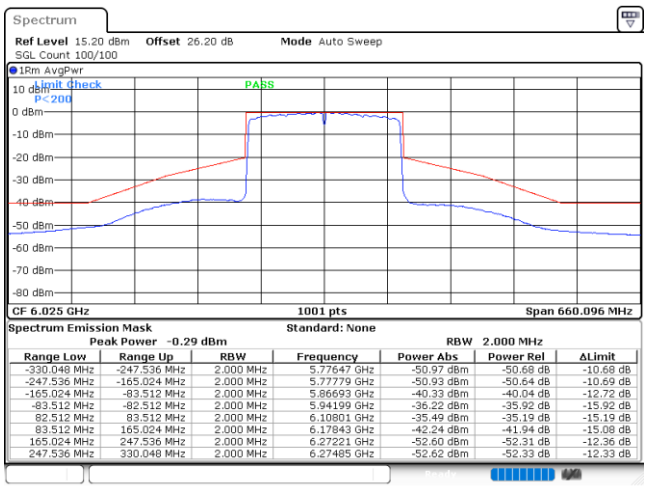
Plot on Channel 6345 MHz



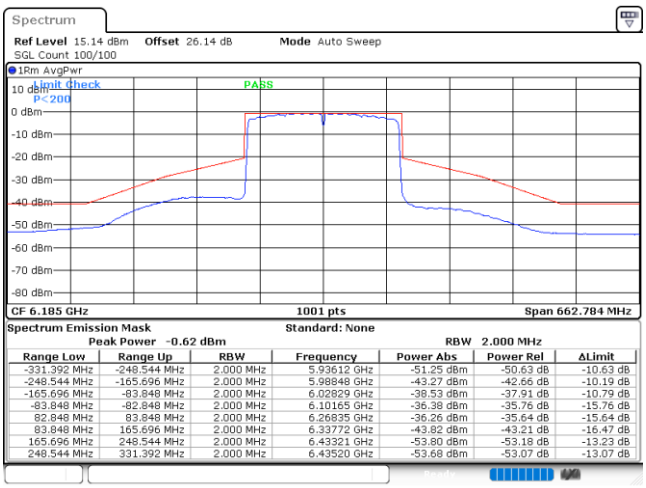
MIMO <Ant. 1+2(2)>

EUT Mode	802.11ax HE160 Full RU

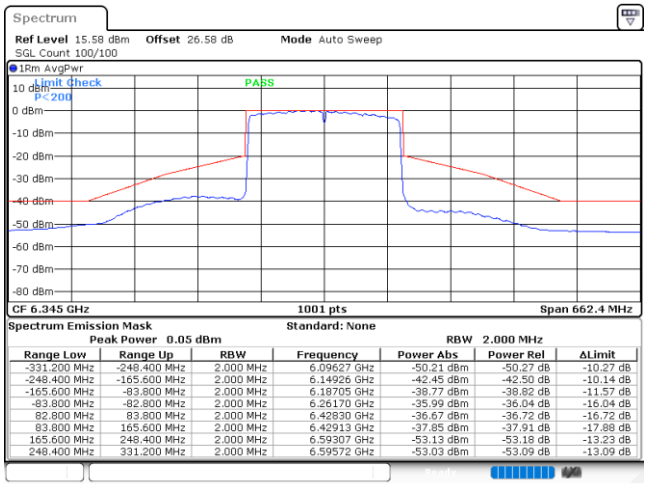
Plot on Channel 6025 MHz



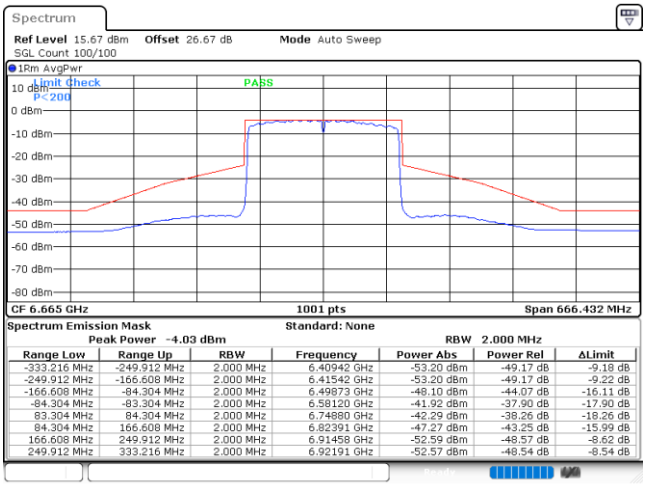
Plot on Channel 6185 MHz



Plot on Channel 6345 MHz

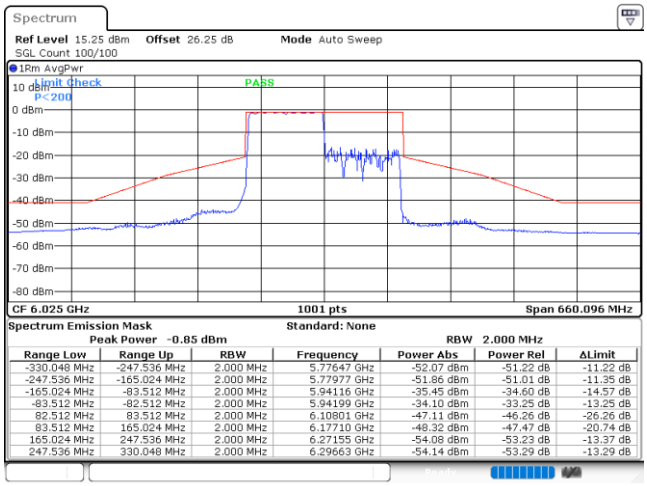


Plot on Channel 6665 MHz

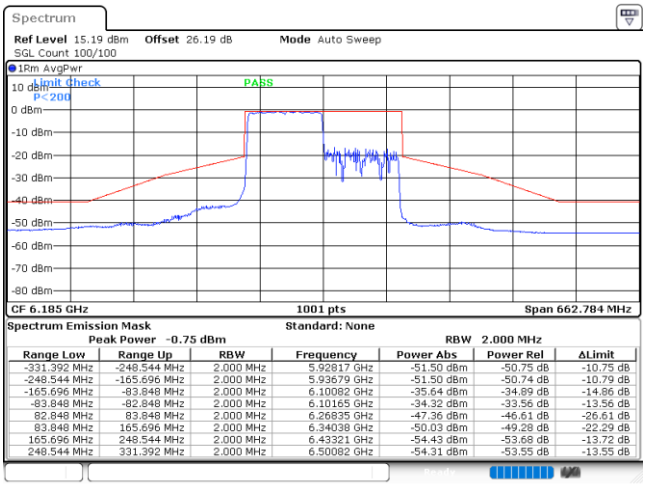


EUT Mode	802.11ax HE160 996RU67

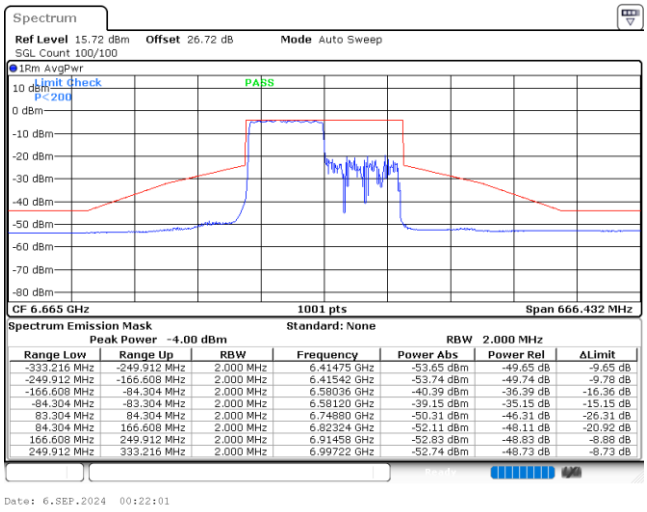
Plot on Channel 6025 MHz



Plot on Channel 6185 MHz

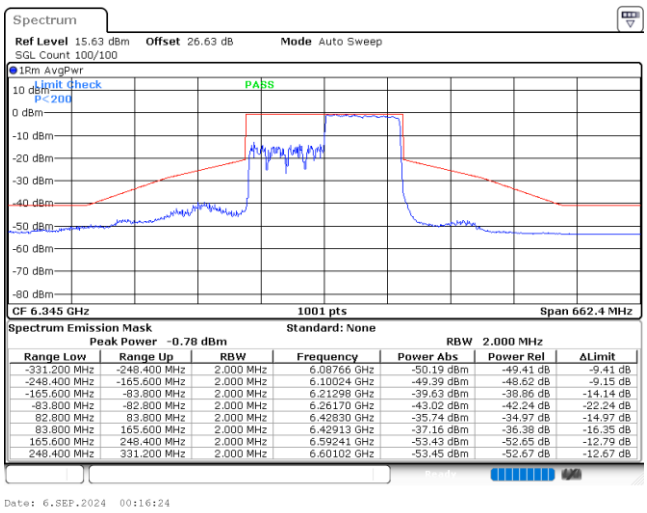


Plot on Channel 6665 MHz



EUT Mode	802.11ax HE160 996RUS67

Plot on Channel 6345 MHz



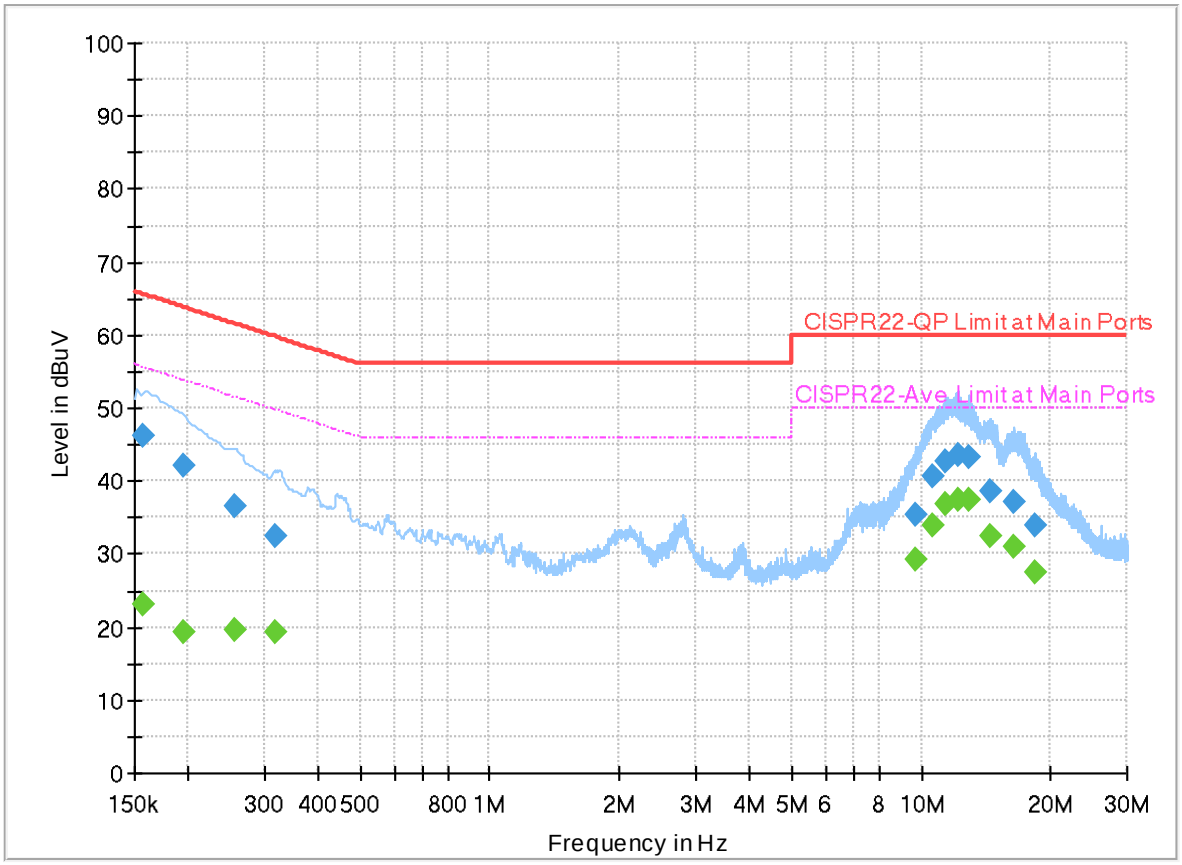
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.9~25.5℃
		Relative Humidity :	43.1~58.2%

EUT Information

Report NO :	470109
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

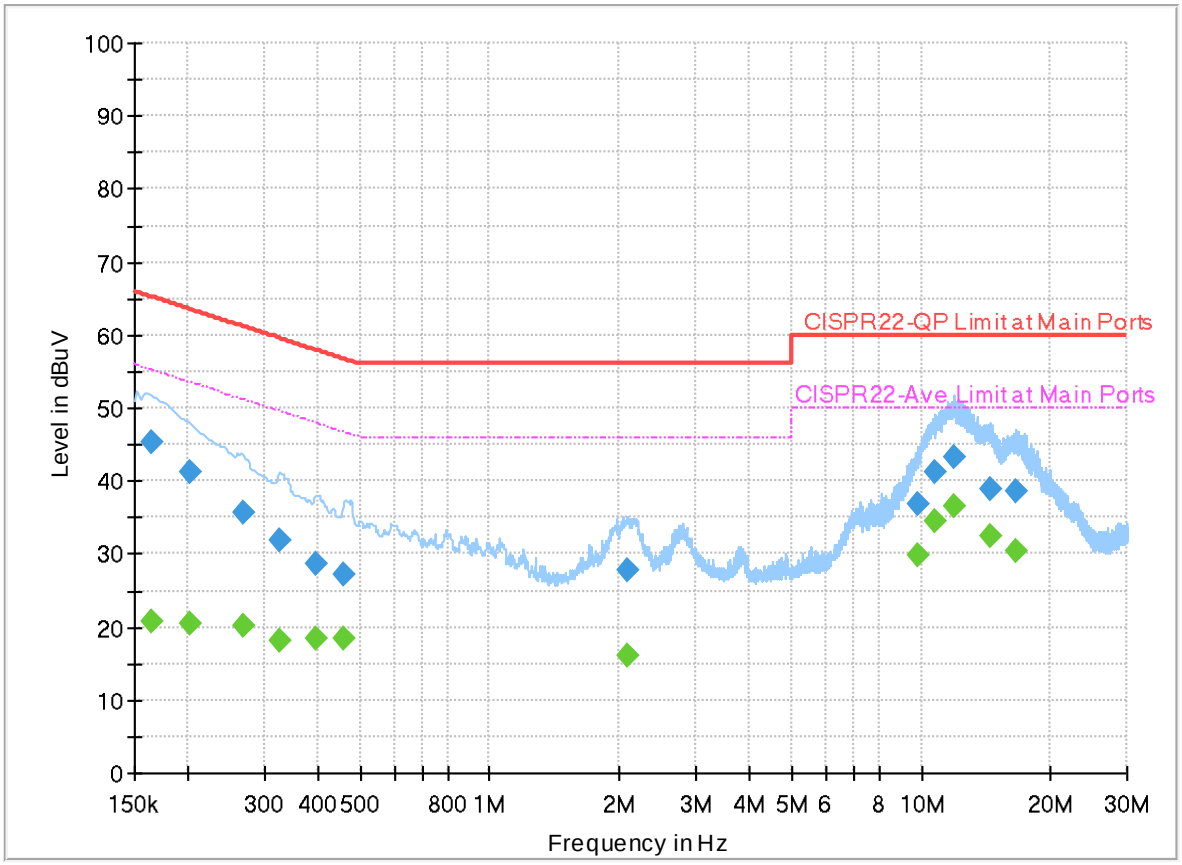
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	23.14	55.63	32.49	L1	OFF	19.9
0.156750	46.18	---	65.63	19.45	L1	OFF	19.9
0.194100	---	19.34	53.86	34.52	L1	OFF	19.9
0.194100	42.02	---	63.86	21.84	L1	OFF	19.9
0.255750	---	19.64	51.57	31.93	L1	OFF	19.9
0.255750	36.56	---	61.57	25.01	L1	OFF	19.9
0.318750	---	19.16	49.74	30.58	L1	OFF	19.9
0.318750	32.51	---	59.74	27.23	L1	OFF	19.9
9.685770	---	29.21	50.00	20.79	L1	OFF	20.1
9.685770	35.32	---	60.00	24.68	L1	OFF	20.1
10.592970	---	33.84	50.00	16.16	L1	OFF	20.1
10.592970	40.65	---	60.00	19.35	L1	OFF	20.1
11.373810	---	36.80	50.00	13.20	L1	OFF	20.1
11.373810	42.82	---	60.00	17.18	L1	OFF	20.1
12.176250	---	37.56	50.00	12.44	L1	OFF	20.1
12.176250	43.46	---	60.00	16.54	L1	OFF	20.1
12.865200	---	37.38	50.00	12.62	L1	OFF	20.1
12.865200	43.38	---	60.00	16.62	L1	OFF	20.1
14.437500	---	32.35	50.00	17.65	L1	OFF	20.1

14.437500	**38.69**	**---**	**60.00**	**21.31**	**L1**	**OFF**	**20.1**
16.320750	**---**	**31.12**	**50.00**	**18.88**	**L1**	**OFF**	**20.1**
16.320750	**37.12**	**---**	**60.00**	**22.88**	**L1**	**OFF**	**20.1**
18.393180	**---**	**27.60**	**50.00**	**22.40**	**L1**	**OFF**	**20.1**
18.393180	**33.86**	**---**	**60.00**	**26.14**	**L1**	**OFF**	**20.1**

EUT Information

Report NO :	470109
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.164220	---	20.90	55.25	34.35	N	OFF	19.9
0.164220	45.42	---	65.25	19.83	N	OFF	19.9
0.201750	---	20.48	53.54	33.06	N	OFF	19.9
0.201750	41.25	---	63.54	22.29	N	OFF	19.9
0.268260	---	20.20	51.17	30.97	N	OFF	19.9
0.268260	35.75	---	61.17	25.42	N	OFF	19.9
0.325590	---	18.02	49.56	31.54	N	OFF	19.9
0.325590	31.79	---	59.56	27.77	N	OFF	19.9
0.394890	---	18.50	47.96	29.46	N	OFF	19.9
0.394890	28.66	---	57.96	29.30	N	OFF	19.9
0.460680	---	18.36	46.68	28.32	N	OFF	19.9
0.460680	27.06	---	56.68	29.62	N	OFF	19.9
2.085000	---	16.14	46.00	29.86	N	OFF	20.0
2.085000	27.66	---	56.00	28.34	N	OFF	20.0
9.866310	---	29.90	50.00	20.10	N	OFF	20.1
9.866310	36.73	---	60.00	23.27	N	OFF	20.1
10.799610	---	34.45	50.00	15.55	N	OFF	20.1
10.799610	41.12	---	60.00	18.88	N	OFF	20.1
11.875920	---	36.61	50.00	13.39	N	OFF	20.1

11.875920	**43.26**	**---**	**60.00**	**16.74**	**N**	**OFF**	**20.1**
14.514000	**---**	**32.33**	**50.00**	**17.67**	**N**	**OFF**	**20.1**
14.514000	**38.83**	**---**	**60.00**	**21.17**	**N**	**OFF**	**20.1**
16.577970	**---**	**30.50**	**50.00**	**19.50**	**N**	**OFF**	**20.2**
16.577970	**38.72**	**---**	**60.00**	**21.28**	**N**	**OFF**	**20.2**

Appendix C. Radiated Spurious Emission

Test Engineer :	John Chuang, David Dai, and Sam Chou	Temperature :	19.2~21.6°C
		Relative Humidity :	65.5~70.3%

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5924.82	60.87	-27.33	88.2	50.54	34.3	13.96	37.93	215	0	P	H
		5924.96	47.15	-21.05	68.2	36.82	34.3	13.96	37.93	215	0	A	H
	*	5955	114.9	-	-	104.53	34.28	14.01	37.92	215	0	P	H
	*	5955	108.15	-	-	97.78	34.28	14.01	37.92	215	0	A	H
													H
													H
		5924.54	60.82	-27.38	88.2	50.49	34.3	13.96	37.93	238	30	P	V
		5924.82	46.88	-21.32	68.2	36.55	34.3	13.96	37.93	238	30	A	V
	*	5955	113.08	-	-	102.71	34.28	14.01	37.92	238	30	P	V
	*	5955	106.2	-	-	95.83	34.28	14.01	37.92	238	30	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+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		11910	50.94	-23.06	74	35.13	38.92	19.9	43.01	400	309	P	H
		11910	40.28	-13.72	54	24.47	38.92	19.9	43.01	400	309	A	H
		17865	56.27	-17.73	74	35.68	41.48	24.54	45.43	200	301	P	H
		17865	45.11	-8.89	54	24.52	41.48	24.54	45.43	200	301	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		11910	50.97	-23.03	74	35.16	38.92	19.9	43.01	200	12	P	V
		11910	40.17	-13.83	54	24.36	38.92	19.9	43.01	200	12	A	V
		17865	55.69	-18.31	74	35.1	41.48	24.54	45.43	100	109	P	V
		17865	45.12	-8.88	54	24.53	41.48	24.54	45.43	100	109	A	V
													V
													V
													V
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													V
													V
													V

WIFI Ant. 1+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)
		12390	51.26	-22.74	74	35.05	39.01	20.33	43.13	300	242	P	H
		12390	40.45	-13.55	54	24.24	39.01	20.33	43.13	300	242	A	H
		18585	37.68	-36.32	74	39.57	38.3	15.44	55.63	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 49 6195MHz													H
		12390	51.75	-22.25	74	35.54	39.01	20.33	43.13	300	253	P	V
		12390	40.5	-13.5	54	24.29	39.01	20.33	43.13	300	253	A	V
		18585	37.49	-36.51	74	39.38	38.3	15.44	55.63	-	-	P	V
													V
													V
													V
													V
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													V
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													V
													V

WIFI Ant. 1+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		12830	51.32	-36.88	88.2	33.82	39.76	20.75	43.01	-	-	P	H
		19245	47.7	-26.3	74	48.99	38.01	15.9	55.2	150	61	P	H
		19245	31.11	-22.89	54	32.4	38.01	15.9	55.2	150	61	A	H
		25660	47.41	-40.79	88.2	41.38	39.18	19.95	53.1	150	79	P	H
		25660	40.25	-27.95	68.2	34.22	39.18	19.95	53.1	150	79	A	H
													H
													H
													H
													H
													H
													H
													H
		12830	51.78	-36.42	88.2	34.28	39.76	20.75	43.01	-	-	P	V
		19245	42.47	-31.53	74	43.76	38.01	15.9	55.2	150	28	P	V
		19245	30.73	-23.27	54	32.02	38.01	15.9	55.2	150	28	A	V
													V
													V
													V
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													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+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)
		5921.88	60.95	-27.25	88.2	50.62	34.3	13.96	37.93	201	325	P	H
		5924.96	48.37	-19.83	68.2	38.04	34.3	13.96	37.93	201	325	A	H
	*	5955	110.98	-	-	100.61	34.28	14.01	37.92	201	325	P	H
	*	5955	103.38	-	-	93.01	34.28	14.01	37.92	201	325	A	H
802.11ax													H
HE20 Full													H
CH 01		5924.12	63.48	-24.72	88.2	53.15	34.3	13.96	37.93	298	35	P	V
5955MHz		5924.96	45.17	-23.03	68.2	34.84	34.3	13.96	37.93	298	35	A	V
	*	5955	109.85	-	-	99.48	34.28	14.01	37.92	298	35	P	V
	*	5955	103.01	-	-	92.64	34.28	14.01	37.92	298	35	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		11910	50.76	-23.24	74	34.95	38.92	19.9	43.01	100	286	P	H
		11910	40.17	-13.83	54	24.36	38.92	19.9	43.01	100	286	A	H
		17865	55.74	-18.26	74	35.15	41.48	24.54	45.43	100	134	P	H
		17865	45.13	-8.87	54	24.54	41.48	24.54	45.43	100	134	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		11910	50.93	-23.07	74	35.12	38.92	19.9	43.01	400	65	P	V
5955MHz		11910	40.15	-13.85	54	24.34	38.92	19.9	43.01	400	65	A	V
		17865	55.89	-18.11	74	35.3	41.48	24.54	45.43	200	154	P	V
		17865	45.16	-8.84	54	24.57	41.48	24.54	45.43	200	154	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12390	50.99	-23.01	74	34.78	39.01	20.33	43.13	200	228	P	H
		12390	40.51	-13.49	54	24.3	39.01	20.33	43.13	200	228	A	H
		18585	46.45	-27.55	74	48.34	38.3	15.44	55.63	150	56	P	H
		18585	32.27	-21.73	54	34.16	38.3	15.44	55.63	150	56	A	H
		24780	48.95	-39.25	88.2	43.51	39.34	19.43	53.33	150	77	P	H
		24780	41.21	-26.99	68.2	35.77	39.34	19.43	53.33	150	77	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 49		12390	50.81	-23.19	74	34.6	39.01	20.33	43.13	400	355	P	V
6195MHz		12390	40.49	-13.51	54	24.28	39.01	20.33	43.13	400	355	A	V
		18585	44.18	-29.82	74	46.07	38.3	15.44	55.63	150	72	P	V
		18585	32.13	-21.87	54	34.02	38.3	15.44	55.63	150	72	A	V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12830	51.31	-36.89	88.2	33.81	39.76	20.75	43.01	-	-	P	H
		19245	36.61	-37.39	74	37.9	38.01	15.9	55.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 93		12830	51.21	-36.99	88.2	33.71	39.76	20.75	43.01	-	-	P	V
6415MHz		19245	35.81	-38.19	74	37.1	38.01	15.9	55.2	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+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)
		5919.64	74.56	-13.64	88.2	64.24	34.3	13.95	37.93	223	0	P	H
		5920.2	50.01	-18.19	68.2	39.69	34.3	13.95	37.93	223	0	A	H
	*	5955	117.53	-	-	107.16	34.28	14.01	37.92	223	0	P	H
802.11ax	*	5955	110.08	-	-	99.71	34.28	14.01	37.92	223	0	A	H
HE20													H
Partial													H
106/53		5924.96	74.5	-13.7	88.2	64.17	34.3	13.96	37.93	301	39	P	V
CH 01		5924.82	49.9	-18.3	68.2	39.57	34.3	13.96	37.93	301	39	A	V
5955MHz	*	5955	113.02	-	-	102.65	34.28	14.01	37.92	301	39	P	V
	*	5955	105.7	-	-	95.33	34.28	14.01	37.92	301	39	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+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)
		5924.7	67.09	-21.11	88.2	56.76	34.3	13.96	37.93	195	49	P	H
		5925	56.54	-11.66	68.2	46.21	34.3	13.96	37.93	195	49	A	H
	*	5965	113.6	-	-	103.26	34.24	14.02	37.92	195	49	P	H
	*	5965	106.08	-	-	95.74	34.24	14.02	37.92	195	49	A	H
802.11ax													H
HE40 Full													H
CH 03		5923.08	64.91	-23.29	88.2	54.58	34.3	13.96	37.93	299	40	P	V
5965MHz		5924.88	51.33	-16.87	68.2	41	34.3	13.96	37.93	299	40	A	V
	*	5965	109.22	-	-	98.88	34.24	14.02	37.92	299	40	P	V
	*	5965	101.36	-	-	91.02	34.24	14.02	37.92	299	40	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		11930	50.54	-23.46	74	34.69	38.96	19.92	43.03	111	248	P	H
		11930	41.12	-12.88	54	25.27	38.96	19.92	43.03	111	248	A	H
		17895	55.4	-18.6	74	34.47	41.84	24.56	45.47	115	164	P	H
		17895	46.35	-7.65	54	25.42	41.84	24.56	45.47	115	164	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		11930	49.7	-24.3	74	33.85	38.96	19.92	43.03	348	64	P	V
5965MHz		11930	41.17	-12.83	54	25.32	38.96	19.92	43.03	348	64	A	V
		17895	54.39	-19.61	74	33.46	41.84	24.56	45.47	245	174	P	V
		17895	46.55	-7.45	54	25.62	41.84	24.56	45.47	245	174	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12410	50.3	-23.7	74	34.07	39.01	20.35	43.13	117	247	P	H
		12410	41.48	-12.52	54	25.25	39.01	20.35	43.13	117	247	A	H
		18615	37.21	-36.79	74	39.12	38.24	15.46	55.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 51		12410	50.75	-23.25	74	34.52	39.01	20.35	43.13	318	58	P	V
6205MHz		12410	41.49	-12.51	54	25.26	39.01	20.35	43.13	318	58	A	V
		18615	37.79	-36.21	74	39.7	38.24	15.46	55.61	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12810	51.65	-36.55	88.2	34.22	39.72	20.73	43.02	-	-	P	H
		19215	36.66	-37.34	74	37.92	38.07	15.88	55.21	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 91		12810	51.23	-36.97	88.2	33.8	39.72	20.73	43.02	-	-	P	V
6405MHz		19215	37.05	-36.95	74	38.31	38.07	15.88	55.21	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

WIFI Ant. 1+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)
		5915.7	82.01	-6.19	88.2	71.69	34.3	13.95	37.93	196	0	P	H
		5915.88	59.95	-8.25	68.2	49.63	34.3	13.95	37.93	196	0	A	H
	*	5965	113.45	-	-	103.11	34.24	14.02	37.92	196	0	P	H
802.11ax	*	5965	109.67	-	-	99.33	34.24	14.02	37.92	196	0	A	H
HE40													H
Partial													H
242/61		5922.72	80.5	-7.7	88.2	70.17	34.3	13.96	37.93	284	39	P	V
CH 03		5909.58	57.72	-10.48	68.2	47.41	34.3	13.94	37.93	284	39	A	V
5965MHz	*	5965	115.21	-	-	104.87	34.24	14.02	37.92	284	39	P	V
	*	5965	108.04	-	-	97.7	34.24	14.02	37.92	284	39	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 1+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)
		5924.04	69.97	-18.23	88.2	59.64	34.3	13.96	37.93	189	49	P	H
		5925	59.21	-8.99	68.2	48.88	34.3	13.96	37.93	189	49	A	H
	*	5985	110.95	-	-	100.64	34.16	14.06	37.91	189	49	P	H
	*	5985	103.15	-	-	92.84	34.16	14.06	37.91	189	49	A	H
802.11ax													H
HE80 Full													H
CH 07		5916.68	66.05	-22.15	88.2	55.73	34.3	13.95	37.93	296	38	P	V
5985MHz		5925	54.01	-14.19	68.2	43.68	34.3	13.96	37.93	296	38	A	V
	*	5985	106.38	-	-	96.07	34.16	14.06	37.91	296	38	P	V
	*	5985	98.84	-	-	88.53	34.16	14.06	37.91	296	38	A	V
													V
													V

Remark

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

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		11970	51.36	-22.64	74	35.43	39.04	19.95	43.06	117	248	P	H
		11970	41.11	-12.89	54	25.18	39.04	19.95	43.06	117	248	A	H
		17955	55.85	-18.15	74	34.57	42.23	24.59	45.54	196	154	P	H
		17955	46.72	-7.28	54	25.44	42.23	24.59	45.54	196	154	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		11970	50.38	-23.62	74	34.45	39.04	19.95	43.06	347	68	P	V
5985MHz		11970	41.21	-12.79	54	25.28	39.04	19.95	43.06	347	68	A	V
		17955	56.26	-17.74	74	34.98	42.23	24.59	45.54	228	144	P	V
		17955	46.78	-7.22	54	25.5	42.23	24.59	45.54	228	144	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12450	51.46	-22.54	74	35.15	39.05	20.39	43.13	154	241	P	H
		12450	41.55	-12.45	54	25.24	39.05	20.39	43.13	154	241	A	H
		18675	39.17	-34.83	74	41.13	38.1	15.5	55.56	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 55		12450	50.25	-23.75	74	33.94	39.05	20.39	43.13	371	64	P	V
6225MHz		12450	41.55	-12.45	54	25.24	39.05	20.39	43.13	371	64	A	V
		18675	37.75	-36.25	74	39.71	38.1	15.5	55.56	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12770	51.24	-36.96	88.2	33.97	39.61	20.69	43.03	-	-	P	H
		19155	36.52	-37.48	74	37.64	38.28	15.84	55.24	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		12770	51.69	-36.51	88.2	34.42	39.61	20.69	43.03	-	-	P	V
6385MHz		19155	37.48	-36.52	74	38.6	38.28	15.84	55.24	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

WIFI Ant. 1+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)
		5924.68	83.4	-4.8	88.2	73.07	34.3	13.96	37.93	148	360	P	H
		5925	59.41	-8.79	68.2	49.08	34.3	13.96	37.93	148	360	A	H
	*	5985	110.97	-	-	100.66	34.16	14.06	37.91	148	360	P	H
802.11ax	*	5985	103.39	-	-	93.08	34.16	14.06	37.91	148	360	A	H
HE80													H
Partial													H
484/65		5924.52	81.9	-6.3	88.2	71.57	34.3	13.96	37.93	297	39	P	V
CH 07		5924.68	60.76	-7.44	68.2	50.43	34.3	13.96	37.93	297	39	A	V
5985MHz	*	5985	109.96	-	-	99.65	34.16	14.06	37.91	297	39	P	V
	*	5985	101.55	-	-	91.24	34.16	14.06	37.91	297	39	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

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

WIFI Ant. 1+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)
		5896.68	72.69	-15.51	88.2	62.41	34.3	13.91	37.93	220	0	P	H
		5897.32	62.59	-5.61	68.2	52.3	34.3	13.92	37.93	220	0	A	H
	*	6025	106.04	-	-	95.65	34.2	14.1	37.91	220	0	P	H
	*	6025	97.78	-	-	87.39	34.2	14.1	37.91	220	0	P	H
802.11ax													H
HE160 Full													H
CH 15		5888.36	67.42	-20.78	88.2	57.16	34.3	13.9	37.94	199	4	P	V
6025MHz		5892.2	56.76	-11.44	68.2	46.49	34.3	13.91	37.94	199	4	A	V
	*	6025	101.78	-	-	91.39	34.2	14.1	37.91	199	4	P	V
	*	6025	93.42	-	-	83.03	34.2	14.1	37.91	199	4	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		12050	50.75	-23.25	74	34.67	39.15	20.03	43.1	164	247	P	H
		12050	41.26	-12.74	54	25.18	39.15	20.03	43.1	164	247	A	H
		18075	36.04	-37.96	74	39.22	37.7	15.08	55.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		12050	49.62	-24.38	74	33.54	39.15	20.03	43.1	384	67	P	V
6025MHz		12050	41.36	-12.64	54	25.28	39.15	20.03	43.1	384	67	A	V
		18075	35.07	-38.93	74	38.25	37.7	15.08	55.96	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12370	51.05	-22.95	74	34.83	39.03	20.32	43.13	154	248	P	H
		12370	41.46	-12.54	54	25.24	39.03	20.32	43.13	154	248	A	H
		18555	37.49	-36.51	74	39.43	38.3	15.42	55.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		12370	50.04	-23.96	74	33.82	39.03	20.32	43.13	314	57	P	V
6185MHz		12370	41.47	-12.53	54	25.25	39.03	20.32	43.13	314	57	A	V
		18555	37.99	-36.01	74	39.93	38.3	15.42	55.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		12690	51.92	-22.08	74	34.97	39.39	20.62	43.06	177	248	P	H
		12690	42.25	-11.75	54	25.3	39.39	20.62	43.06	177	248	A	H
		19035	36.08	-37.92	74	37.58	38.04	15.75	55.29	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		12690	50.22	-23.78	74	33.27	39.39	20.62	43.06	388	65	P	V
6345MHz		12690	42.12	-11.88	54	25.17	39.39	20.62	43.06	388	65	A	V
		19035	36.7	-37.3	74	38.2	38.04	15.75	55.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

WIFI Ant. 1+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)
		5896.68	80.58	-7.62	88.2	70.3	34.3	13.91	37.93	209	0	P	H
		5896.36	67.05	-1.15	68.2	56.77	34.3	13.91	37.93	209	0	A	H
	*	6025	108.2	-	-	97.81	34.2	14.1	37.91	209	0	P	H
802.11ax	*	6025	100.03	-	-	89.64	34.2	14.1	37.91	209	0	P	H
HE160													H
Partial													H
996/67		5900.52	75.62	-12.58	88.2	65.33	34.3	13.92	37.93	339	39	P	V
CH 15		5900.52	61.87	-6.33	68.2	51.58	34.3	13.92	37.93	339	39	A	V
6025MHz	*	6025	105.96	-	-	95.57	34.2	14.1	37.91	339	39	P	V
	*	6025	96.66	-	-	86.27	34.2	14.1	37.91	339	39	P	V
													V
													V

Remark

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

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		13070	52.19	-36.01	88.2	34.47	39.73	20.96	42.97	-	-	P	H
		19605	37.1	-36.9	74	38.03	38.01	16.14	55.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
CH 117		13070	51.4	-36.8	88.2	33.68	39.73	20.96	42.97	-	-	P	V
6535MHz		19605	36.46	-37.54	74	37.39	38.01	16.14	55.08	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13390	52.71	-21.29	74	34.45	40.16	21.23	43.13	100	54	P	H
		13390	42.03	-11.97	54	23.77	40.16	21.23	43.13	100	54	A	H
		20085	36.74	-37.26	74	37.27	38	16.47	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 149 6695MHz													H
		13390	53.07	-20.93	74	34.81	40.16	21.23	43.13	100	67	P	V
		13390	42.16	-11.84	54	23.9	40.16	21.23	43.13	100	67	A	V
		20085	38.59	-35.41	74	39.12	38	16.47	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13710	52.14	-36.06	88.2	34.33	39.79	21.5	43.48	-	-	P	H
		20565	44.64	-29.36	74	44.68	38.11	16.82	54.97	150	79	P	H
		20565	33.41	-20.59	54	33.45	38.11	16.82	54.97	150	79	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 181 6855MHz		13710	52.98	-35.22	88.2	35.17	39.79	21.5	43.48	-	-	P	V
		20565	37.51	-36.49	74	37.55	38.11	16.82	54.97	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		13070	51.26	-36.94	88.2	33.54	39.73	20.96	42.97	-	-	P	H
		19605	36.58	-37.42	74	37.51	38.01	16.14	55.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		13070	51.99	-36.21	88.2	34.27	39.73	20.96	42.97	-	-	P	V
6535MHz		19605	36.66	-37.34	74	37.59	38.01	16.14	55.08	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13390	52.61	-21.39	74	34.35	40.16	21.23	43.13	200	332	P	H
		13390	42.07	-11.93	54	23.81	40.16	21.23	43.13	200	332	A	H
		20085	46.13	-27.87	74	46.66	38	16.47	55	150	157	P	H
		20085	32.43	-21.57	54	32.96	38	16.47	55	150	157	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		13390	53.07	-20.93	74	34.81	40.16	21.23	43.13	400	327	P	V
6695MHz		13390	42.09	-11.91	54	23.83	40.16	21.23	43.13	400	327	A	V
		20085	37.03	-36.97	74	37.56	38	16.47	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13710	51.89	-36.31	88.2	34.08	39.79	21.5	43.48	-	-	P	H
		20565	47.8	-26.2	74	47.84	38.11	16.82	54.97	150	76	P	H
		20565	36.06	-17.94	54	36.1	38.11	16.82	54.97	150	76	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 181		13710	51.81	-36.39	88.2	34	39.79	21.5	43.48	-	-	P	V
6855MHz		20565	45.91	-28.09	74	45.95	38.11	16.82	54.97	150	74	P	V
		20565	33.08	-20.92	54	33.12	38.11	16.82	54.97	150	74	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		13130	52.21	-35.99	88.2	34.44	39.76	21.01	43	-	-	P	H
		19695	37.15	-36.85	74	37.91	38.1	16.2	55.06	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 123		13130	51.8	-36.4	88.2	34.03	39.76	21.01	43	-	-	P	V
6565MHz		19695	37.04	-36.96	74	37.8	38.1	16.2	55.06	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13370	51.99	-22.01	74	33.81	40.08	21.22	43.12	147	184	P	H
		13370	43.65	-10.35	54	25.47	40.08	21.22	43.12	147	184	A	H
		20055	37.49	-36.51	74	38.04	38	16.45	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 147		13370	52.7	-21.3	74	34.52	40.08	21.22	43.12	344	48	P	V
6685MHz		13370	43.42	-10.58	54	25.24	40.08	21.22	43.12	344	48	A	V
		20055	38.07	-35.93	74	38.62	38	16.45	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13690	51.79	-36.41	88.2	33.93	39.83	21.49	43.46	-	-	P	H
		20535	45.01	-28.99	74	45.09	38.11	16.8	54.99	150	152	P	H
		20535	33.69	-20.31	54	33.77	38.11	16.8	54.99	150	152	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 179		13690	51.88	-36.32	88.2	34.02	39.83	21.49	43.46	-	-	P	V
6845MHz		20535	44.3	-29.7	74	44.38	38.11	16.8	54.99	150	93	P	V
		20535	32.13	-21.87	54	32.21	38.11	16.8	54.99	150	93	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		13250	51.74	-22.26	74	33.84	39.85	21.11	43.06	105	24	P	H
		13250	43.21	-10.79	54	25.31	39.85	21.11	43.06	105	24	A	H
		19875	45.73	-28.27	74	46.48	37.95	16.33	55.03	150	82	P	H
		19875	34.39	-19.61	54	35.14	37.95	16.33	55.03	150	82	A	H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 135		13250	51.5	-22.5	74	33.6	39.85	21.11	43.06	400	48	P	V
6625MHz		13250	43.14	-10.86	54	25.24	39.85	21.11	43.06	400	48	A	V
		19875	37.71	-36.29	74	38.46	37.95	16.33	55.03	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13410	53	-35.2	88.2	34.71	40.19	21.25	43.15	-	-	P	H
		20115	37.44	-36.56	74	37.95	38	16.49	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 151		13410	52.33	-35.87	88.2	34.04	40.19	21.25	43.15	-	-	P	V
6705MHz		20115	44.05	-29.95	74	44.56	38	16.49	55	150	166	P	V
		20115	32.61	-21.39	54	33.12	38	16.49	55	150	166	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+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)
		13570	51.98	-36.22	88.2	33.78	40.1	21.39	43.29	-	-	P	H
		20355	35.41	-38.59	74	35.56	38.18	16.67	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 167		13570	51.9	-36.3	88.2	33.7	40.1	21.39	43.29	-	-	P	V
6785MHz		20355	36.88	-37.12	74	37.03	38.18	16.67	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+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)
		13330	51.67	-22.33	74	33.67	39.92	21.18	43.1	154	134	P	H
		13330	43.34	-10.66	54	25.34	39.92	21.18	43.1	154	134	A	H
		19995	35.75	-38.25	74	36.34	38	16.41	55	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		13330	51.43	-22.57	74	33.43	39.92	21.18	43.1	347	48	P	V
6665MHz		13330	43.3	-10.7	54	25.3	39.92	21.18	43.1	347	48	A	V
		19995	36	-38	74	36.59	38	16.41	55	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

WIFI 802.11ax HE160 Partial 996 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.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Partial 996/67 LF		41.39	29.15	-10.85	40	44.36	18.92	1.46	35.59	-	-	P	H
		58.22	23.05	-16.95	40	44.57	12.39	1.65	35.56	-	-	P	H
		192.52	24.18	-19.32	43.5	41.85	14.91	2.76	35.34	-	-	P	H
		208.8	29.42	-14.08	43.5	46.58	15.29	2.85	35.3	-	-	P	H
		762.4	34.52	-11.48	46	34.8	28.25	5.09	33.62	-	-	P	H
		948.8	36	-10	46	32.64	30.74	5.6	32.98	-	-	P	H
													H
													H
													H
													H
													H
													H
		33.91	32.03	-7.97	40	43.3	23.03	1.28	35.58	-	-	P	V
		58.39	32.02	-7.98	40	53.56	12.37	1.65	35.56	100	211	Q	V
		194.05	29.55	-13.95	43.5	47.18	14.93	2.77	35.33	-	-	P	V
		212	31.35	-12.15	43.5	48.48	15.3	2.87	35.3	-	-	P	V
		556.8	29.8	-16.2	46	33.64	26.15	4.39	34.38	-	-	P	V
		956.8	36.06	-9.94	46	32.42	30.98	5.61	32.95	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
		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) – 88.2(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) – 68.2(dBμV/m)

= -24.66(dB)

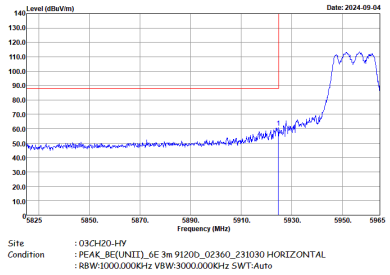
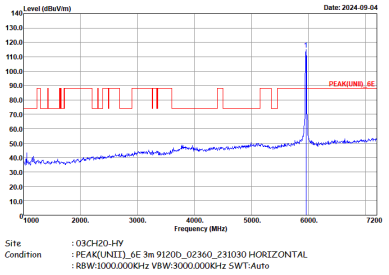
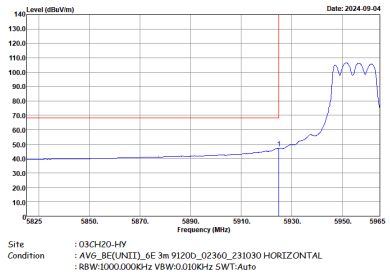
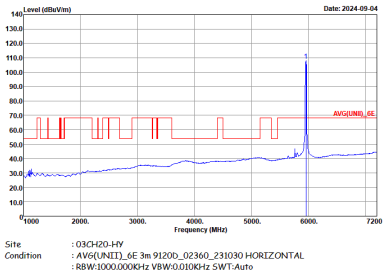
Both peak and average measured complies with the limit line, so test result is "PASS".

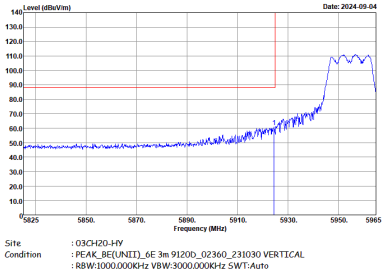
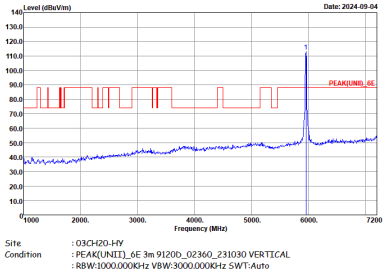
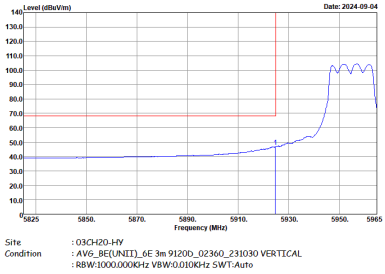
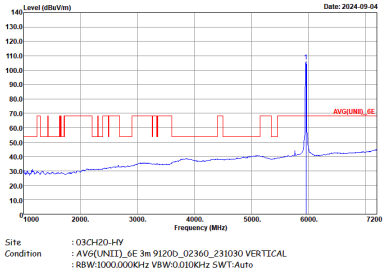
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	John Chuang, David Dai, and Sam Chou	**Temperature :**	19.2~21.6°C
		Relative Humidity :	65.5~70.3%

Band 5 - 5925~6425MHz

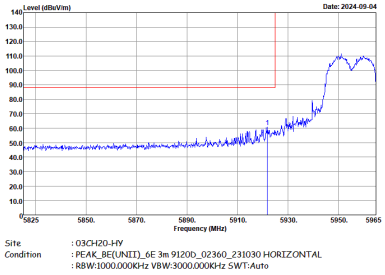
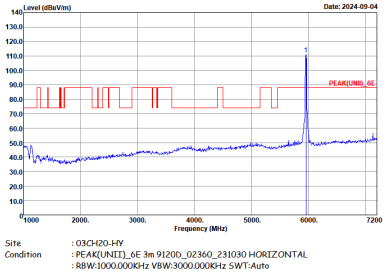
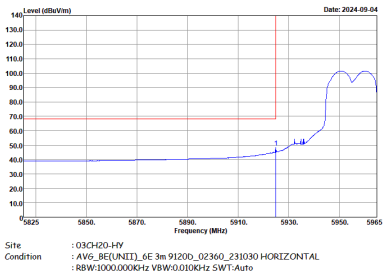
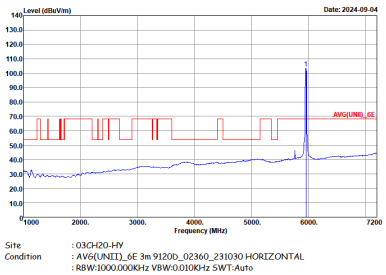
WIFI 802.11a (Band Edge @ 3m)

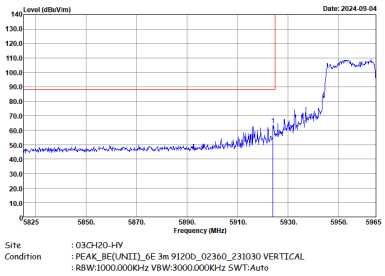
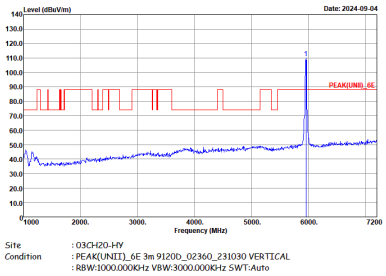
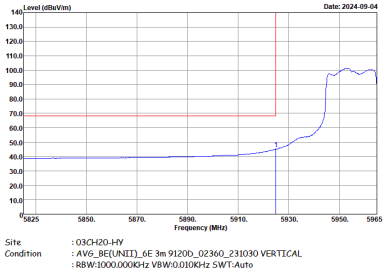
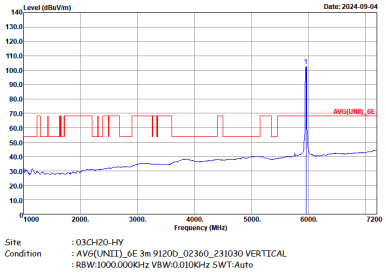
WIFI	**Band 5 5925~6425MHz Band Edge @ 3m**	
ANT	**802.11a CH01 5955MHz**	
1+2	**Horizontal**	**Fundamental**
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

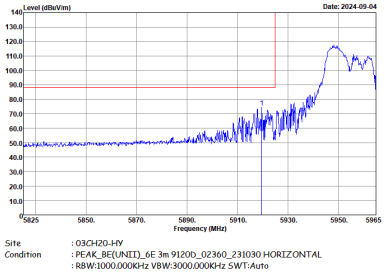
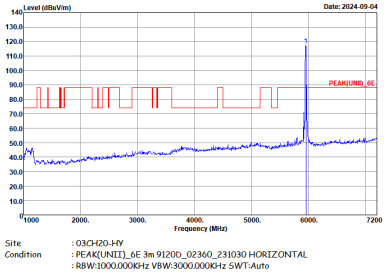
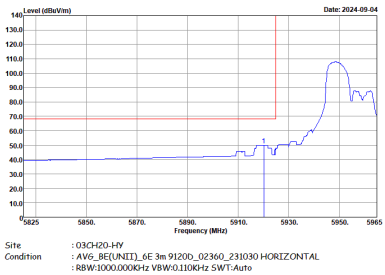
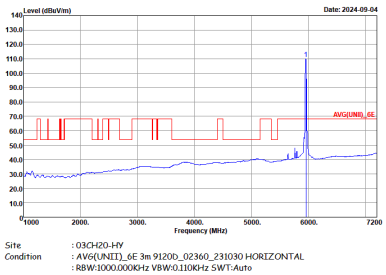
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

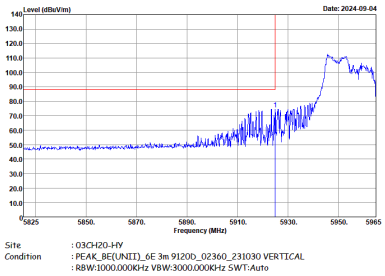
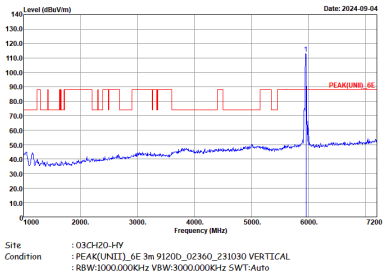
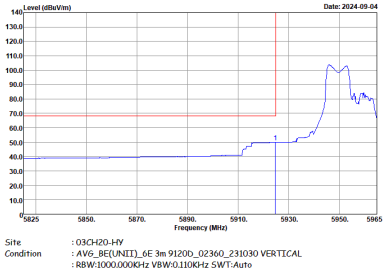
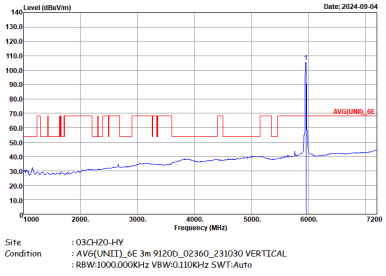
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

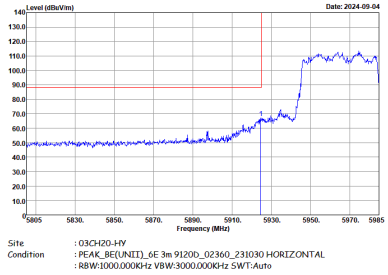
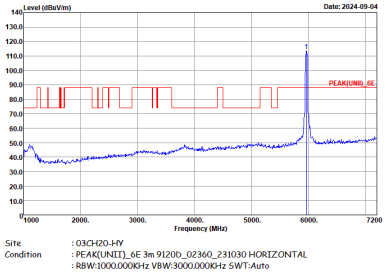
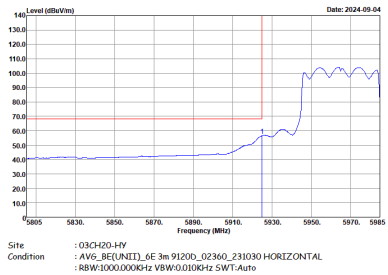
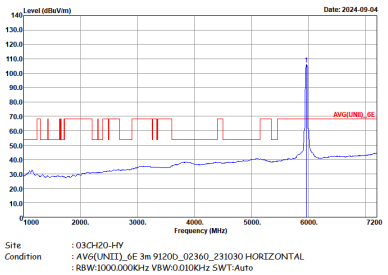
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

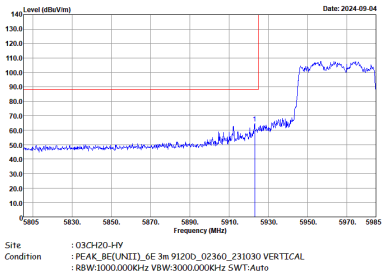
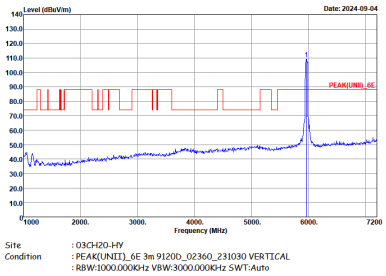
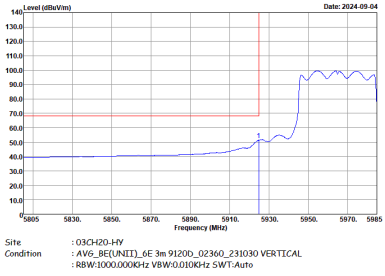
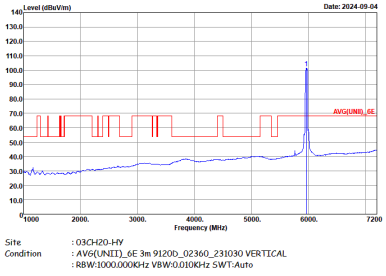
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 5955MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 5955MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

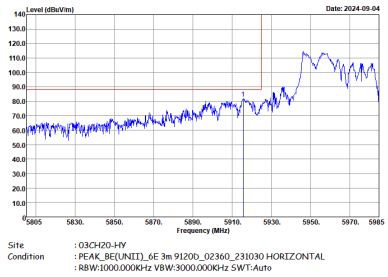
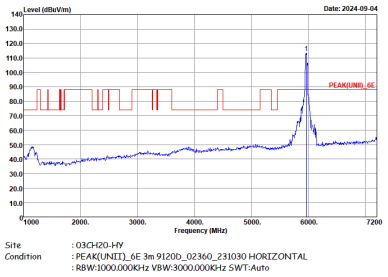
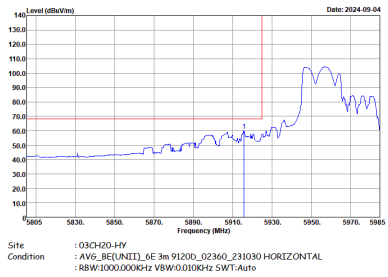
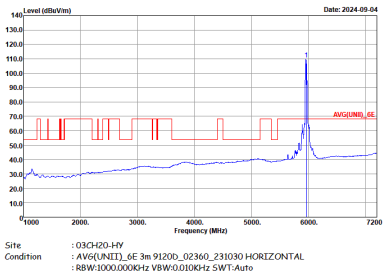
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

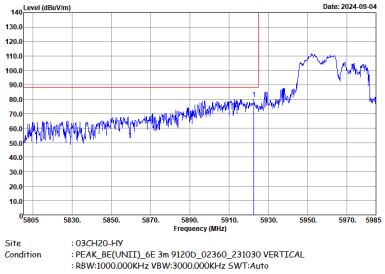
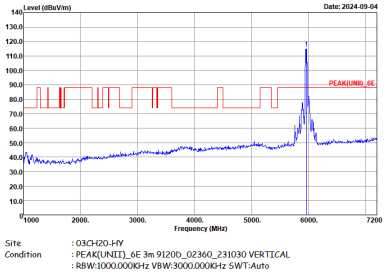
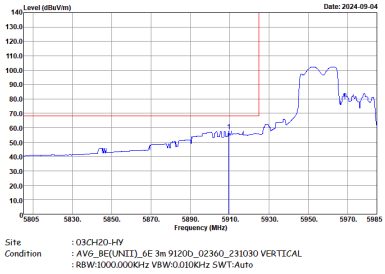
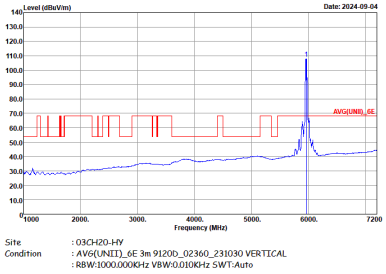
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

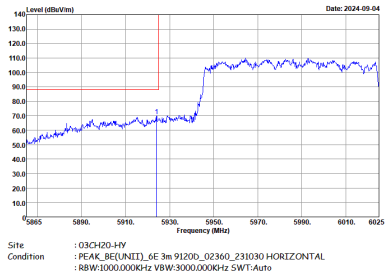
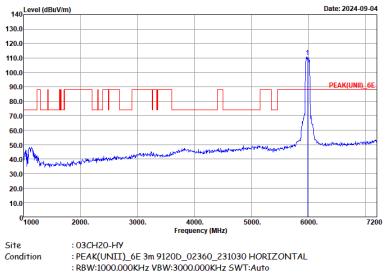
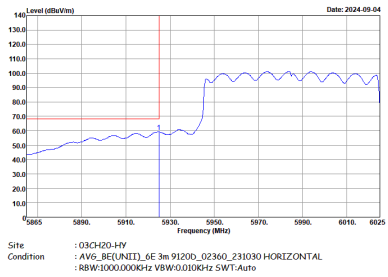
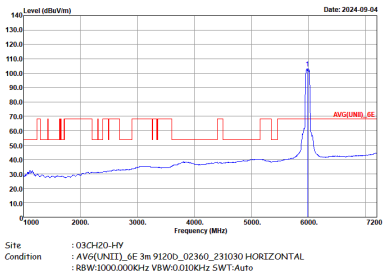
WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

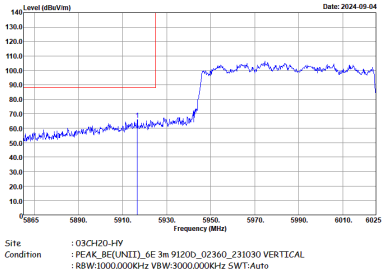
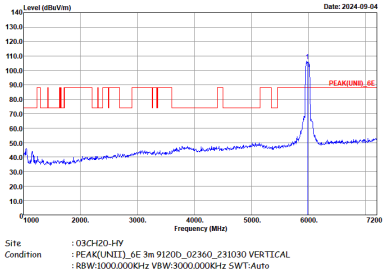
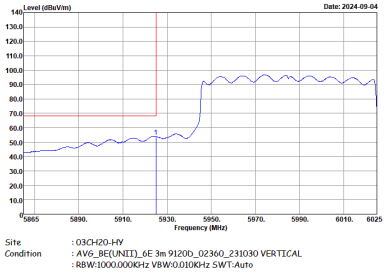
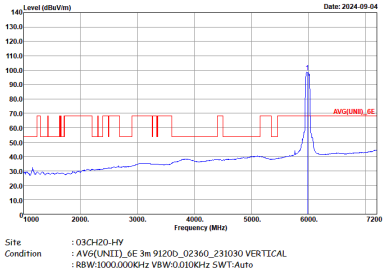
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 5965MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Partial 242/61 CH03 5965MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

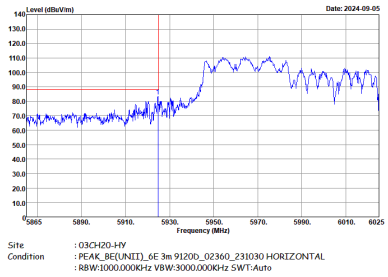
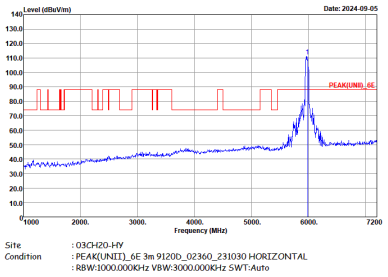
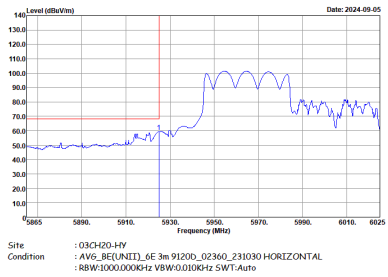
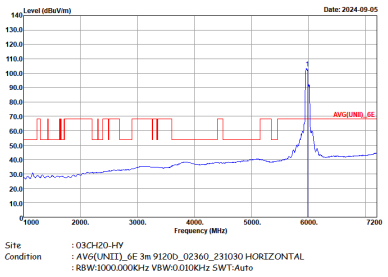
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

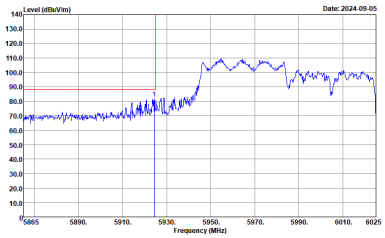
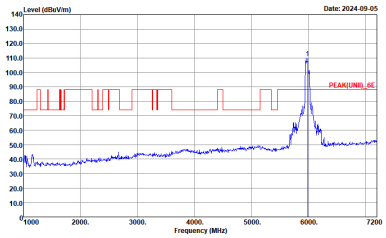
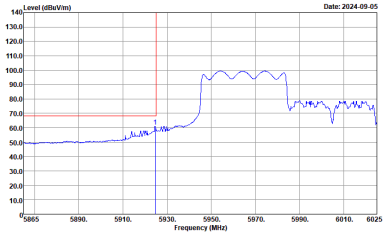
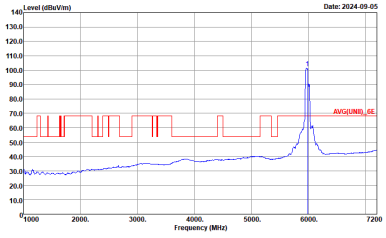
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

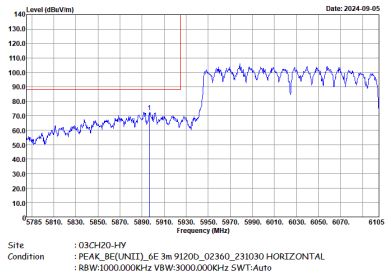
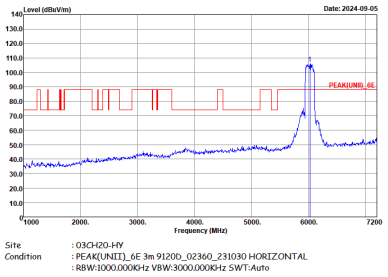
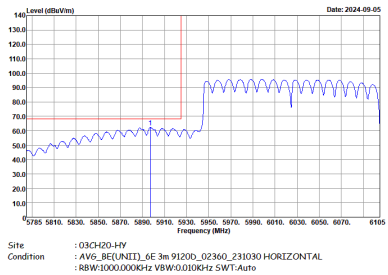
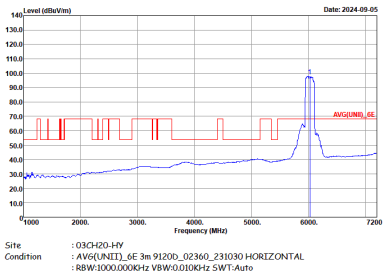
WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

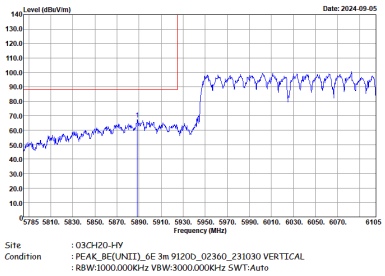
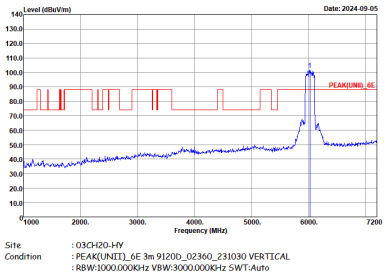
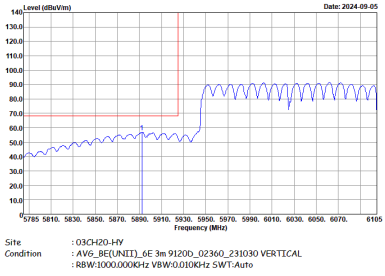
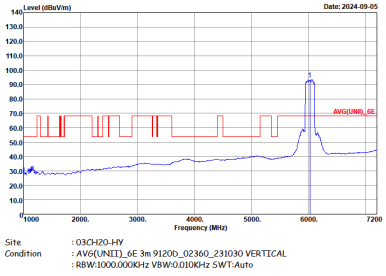
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH07 5985MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Partial 484/65 CH07 5985MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

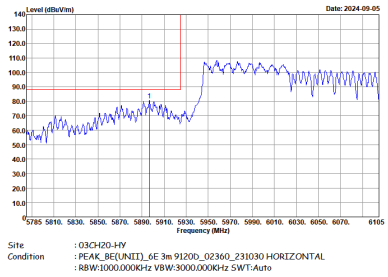
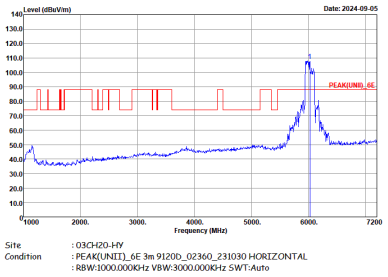
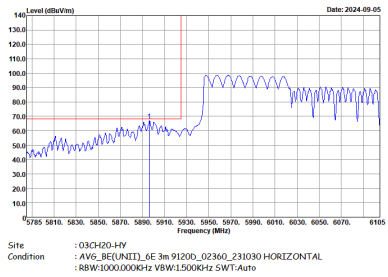
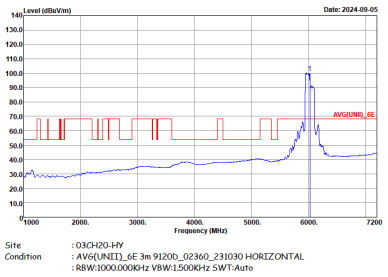
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

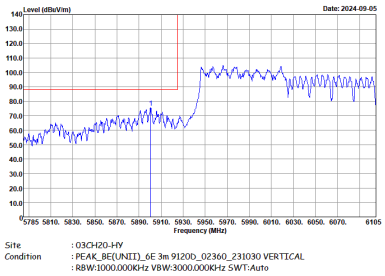
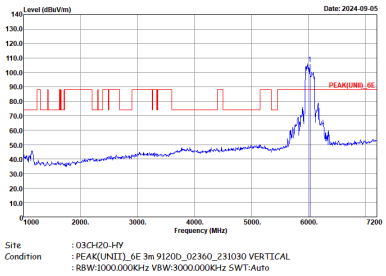
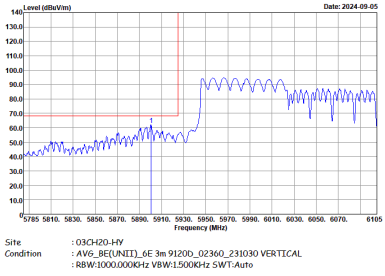
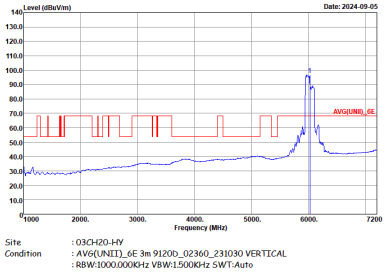
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 5925~6425MHz

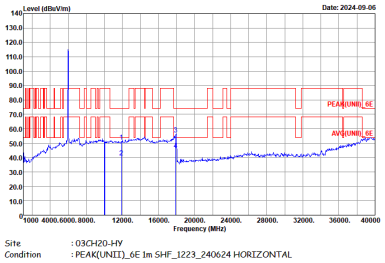
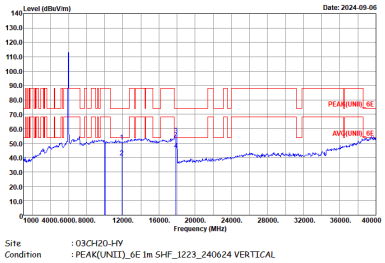
WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

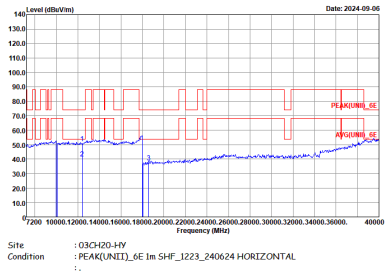
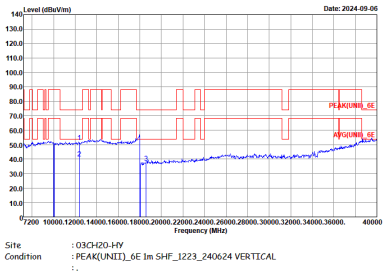
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH15 6025MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

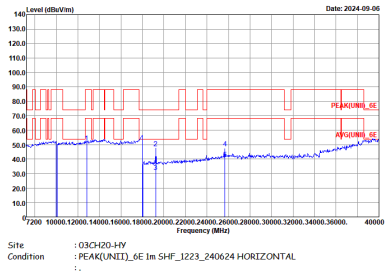
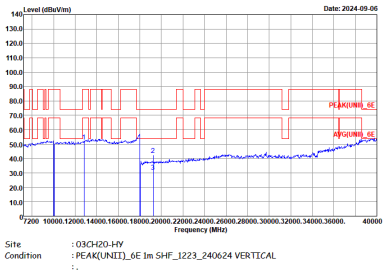
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Partial 996/67 CH15 6025MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 5 - 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

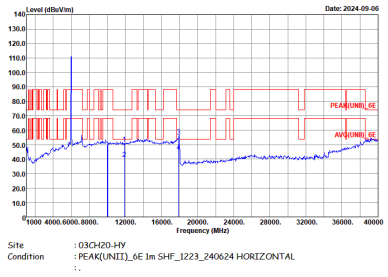
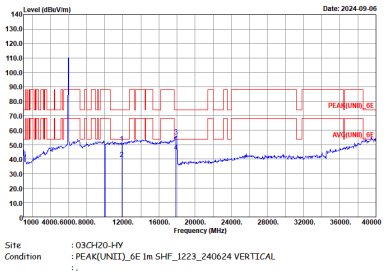
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH01 5955MHz	
1+2	Horizontal	Vertical
Peak Avg.		

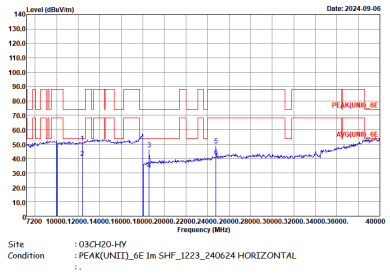
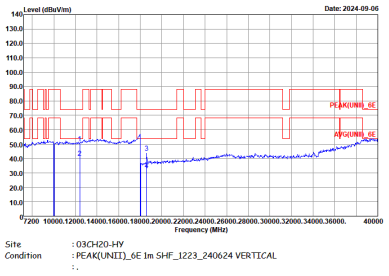
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH49 6195MHz	
1+2	Horizontal	Vertical
Peak Avg.		

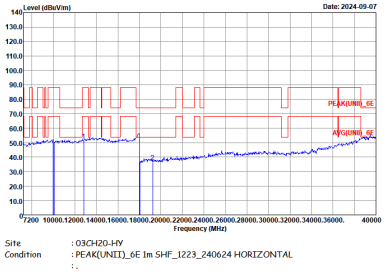
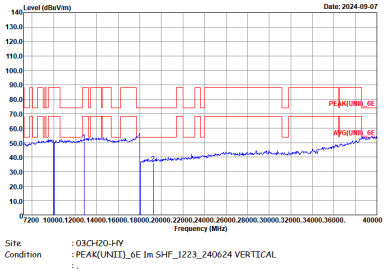
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

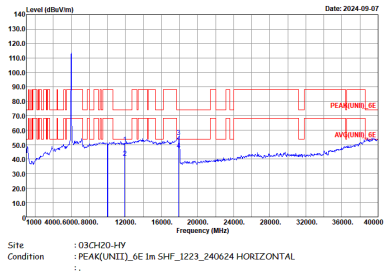
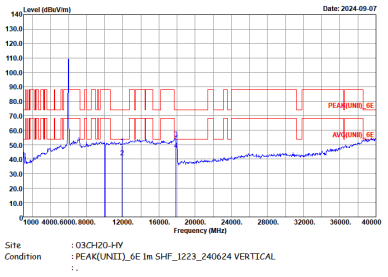
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Horizontal	Vertical
Peak Avg.		

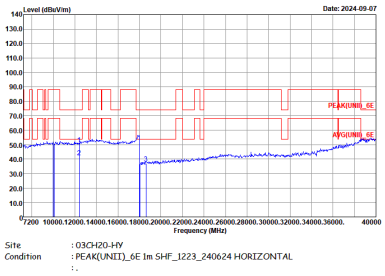
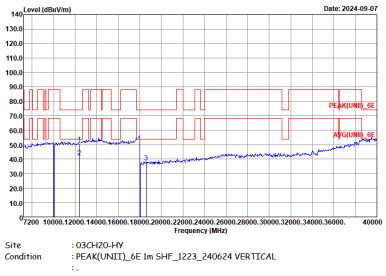
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
1+2	Horizontal	Vertical
Peak Avg.		

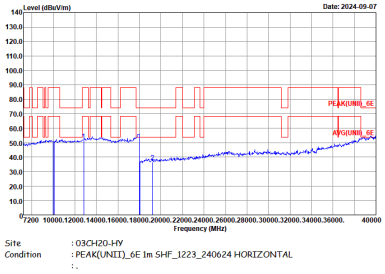
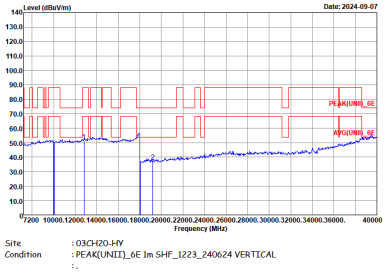
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

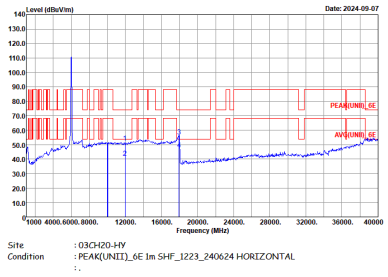
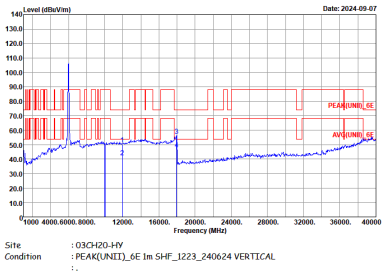
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
1+2	Horizontal	Vertical
Peak Avg.		

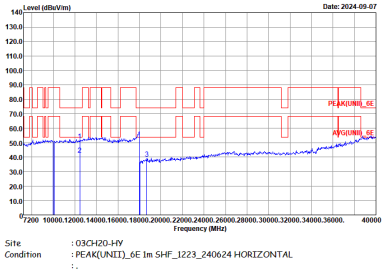
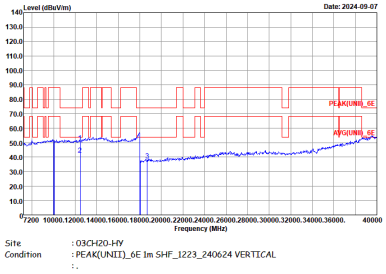
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
1+2	Horizontal	Vertical
Peak Avg.		

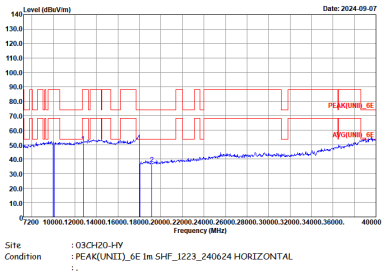
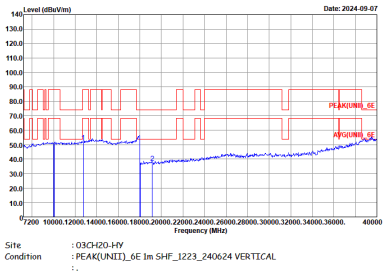
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

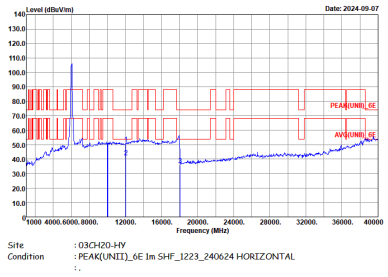
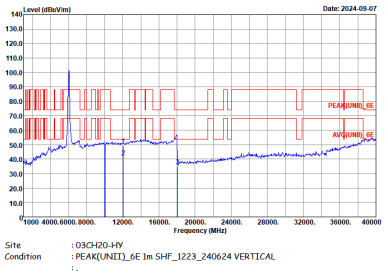
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
1+2	Horizontal	Vertical
Peak Avg.		

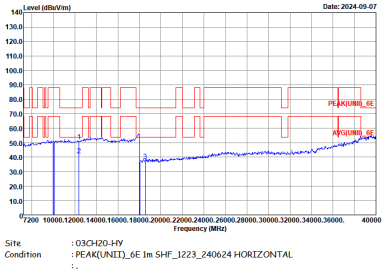
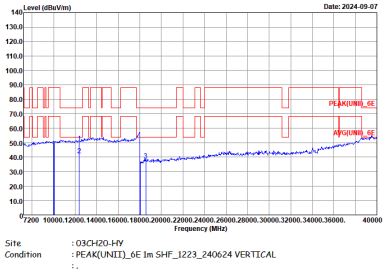
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
1+2	Horizontal	Vertical
Peak Avg.		

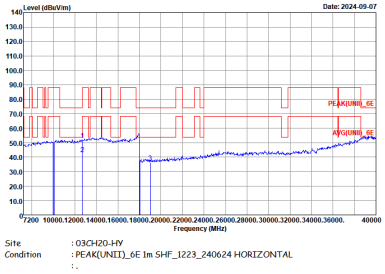
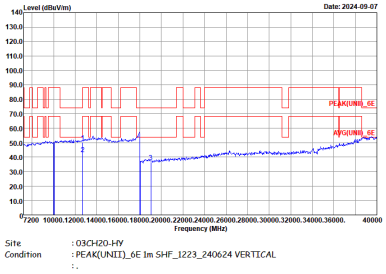
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

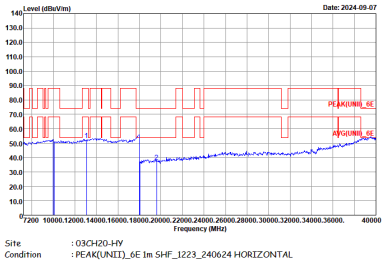
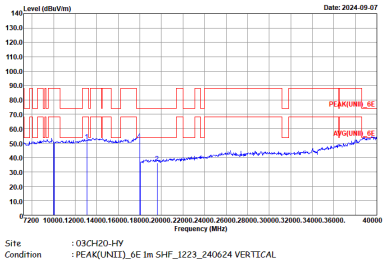
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
1+2	Horizontal	Vertical
Peak Avg.		

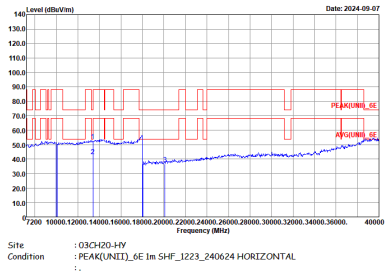
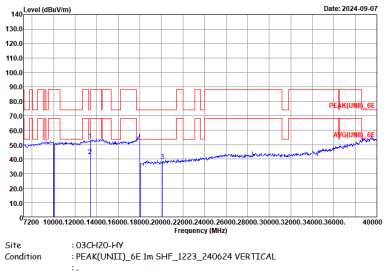
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
1+2	Horizontal	Vertical
Peak Avg.		

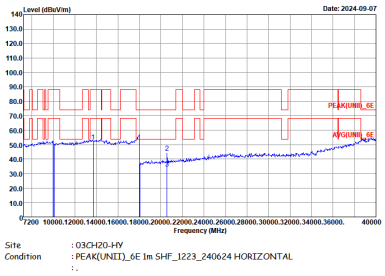
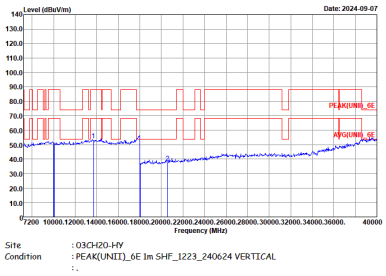
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

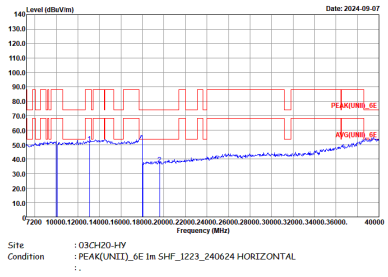
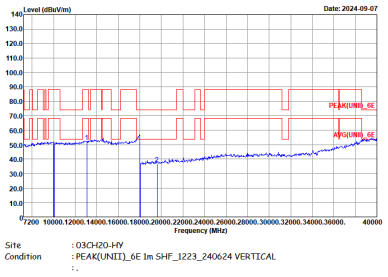
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH117 6535MHz	
1+2	Horizontal	Vertical
Peak Avg.		

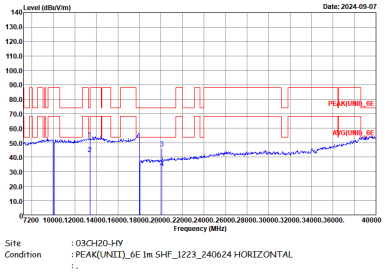
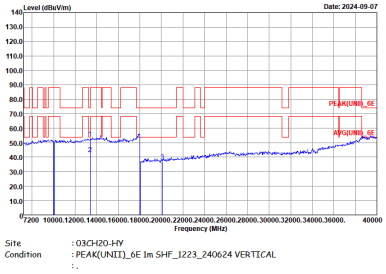
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH149 6695MHz	
1+2	Horizontal	Vertical
Peak Avg.		

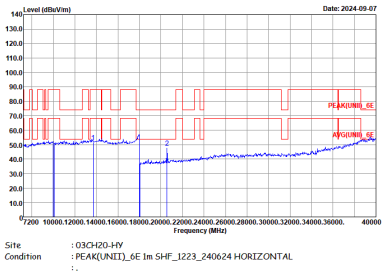
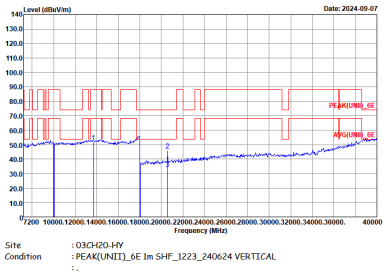
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH181 6855MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

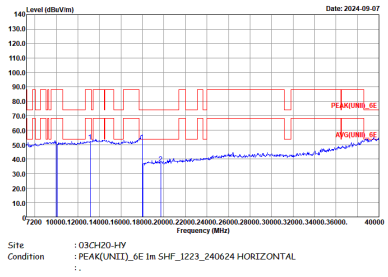
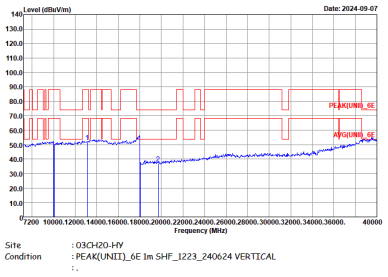
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH117 6535MHz	
1+2	Horizontal	Vertical
Peak Avg.		

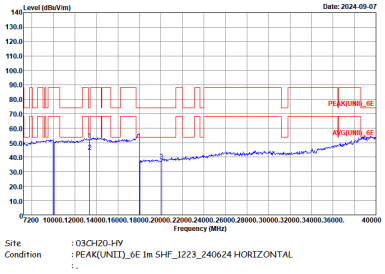
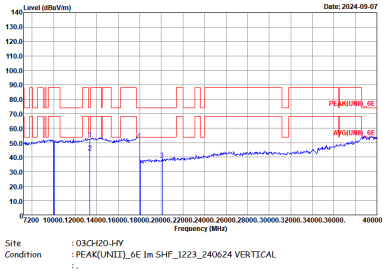
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 6695MHz	
1+2	Horizontal	Vertical
Peak Avg.		

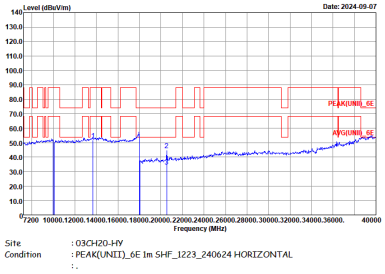
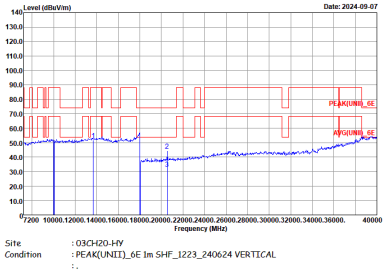
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH181 6855MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

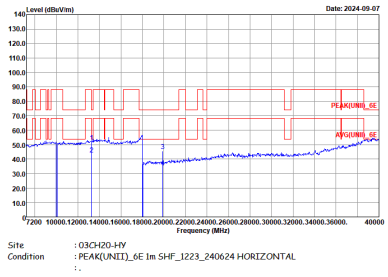
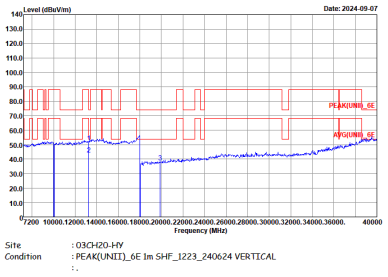
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH123 6565MHz	
1+2	Horizontal	Vertical
Peak Avg.		

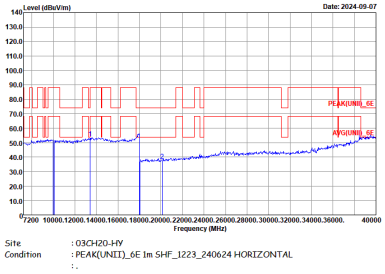
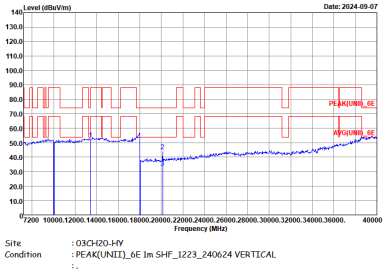
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH147 6685MHz	
1+2	Horizontal	Vertical
Peak Avg.		

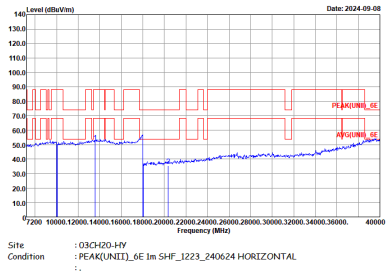
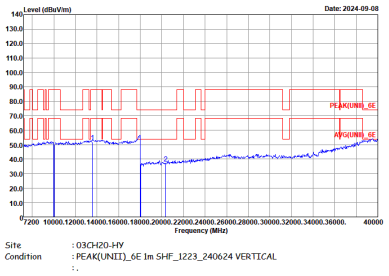
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH179 6845MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

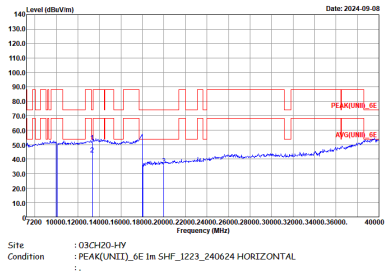
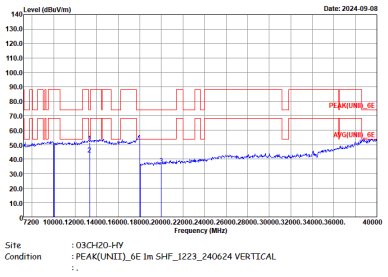
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH135 6625MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH151 6705MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH167 6785MHz	
1+2	Horizontal	Vertical
Peak Avg.		

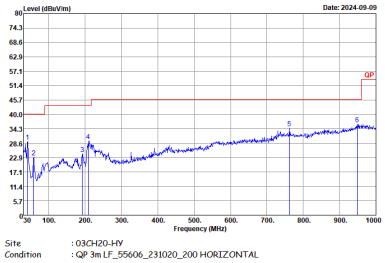
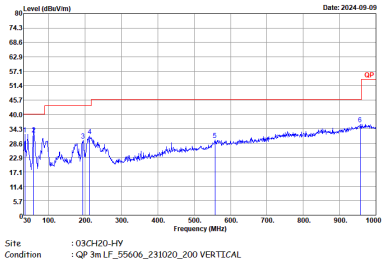
Band 7 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH143 6665MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

WIFI 802.11ax HE160 Partial 996 (LF)

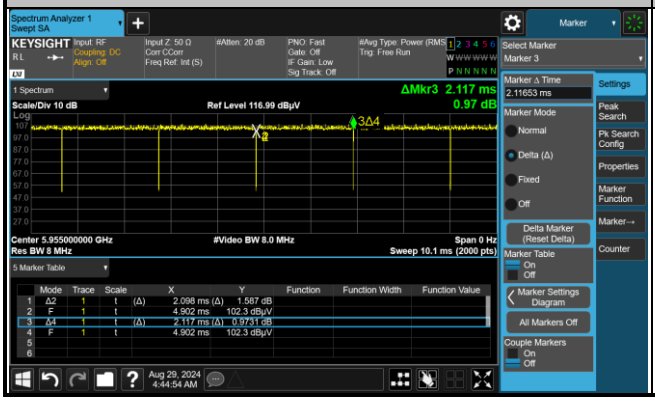
WIFI	5GHz WIFI	
ANT	802.11ax HE160 Partial 996/67 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11a	99.10	-	-	10Hz
1+2	6GHz 802.11ax HE20 Full RU	99.67	-	-	10Hz
1+2	6GHz 802.11ax HE20 106 RU	92.37	9200	0.11	110Hz
1+2	6GHz 802.11ax HE40 Full RU	99.72	-	-	10Hz
1+2	6GHz 802.11ax HE40 242 RU	99.66	-	-	10Hz
1+2	6GHz 802.11ax HE80 Full RU	99.73	-	-	10Hz
1+2	6GHz 802.11ax HE80 484 RU	99.33	-	-	10Hz
1+2	6GHz 802.11ax HE160 Full RU	99.73	-	-	10Hz
1+2	6GHz 802.11ax HE160 996 RU	97.93	711	1.41	1.5kHz

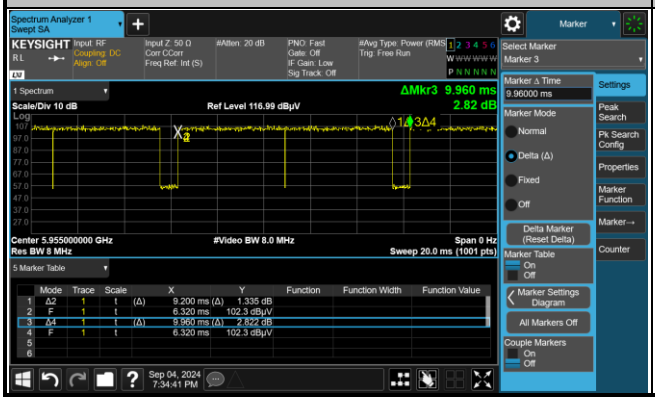
MIMO <Ant. 1+2>

802.11a



6GHz 802.11ax HE20 Full RU

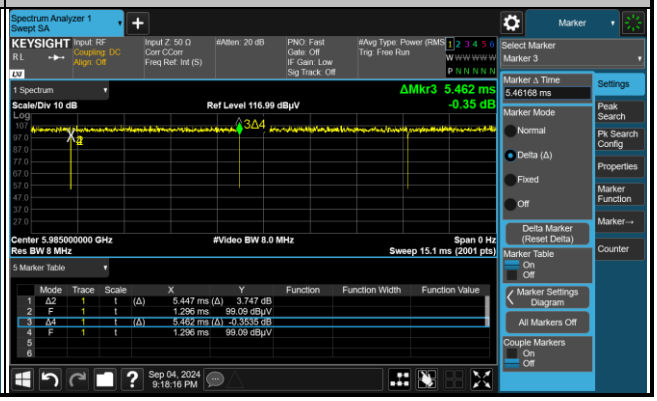
6GHz 802.11ax HE20 106 RU



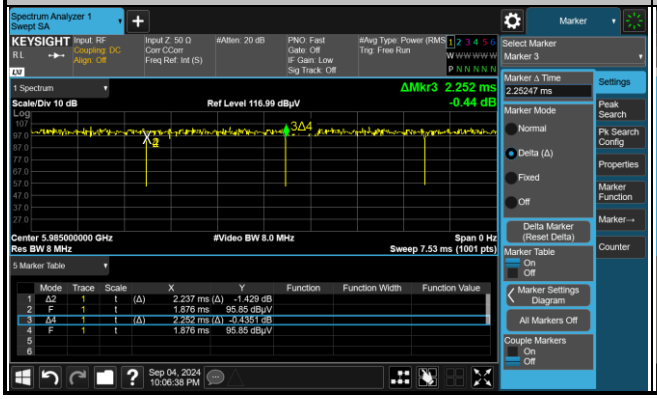
6GHz 802.11ax HE40 Full RU

6GHz 802.11ax HE40 242 RU

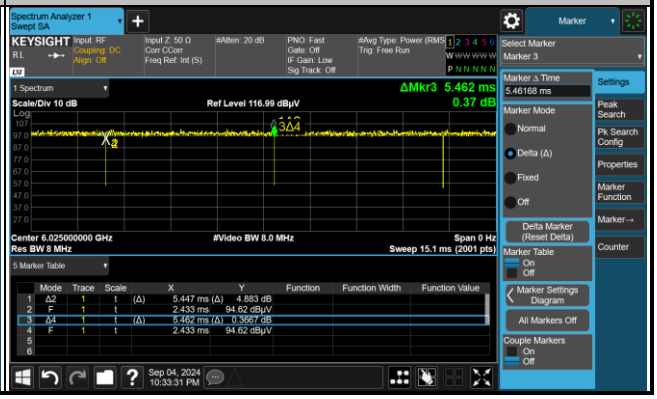
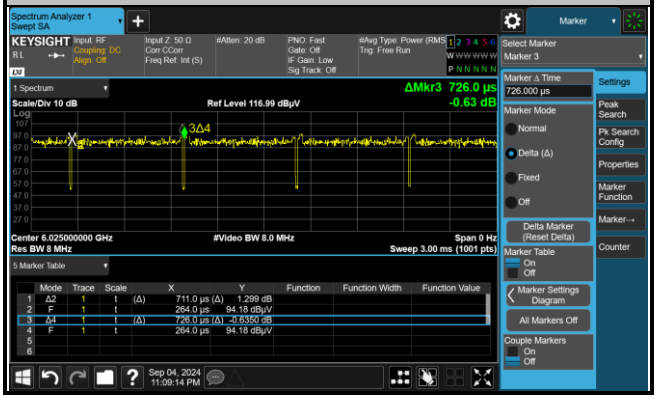
6GHz 802.11ax HE80 Full RU



6GHz 802.11ax HE80 484 RU



6GHz 802.11ax HE160 Full RU



6GHz 802.11ax HE160 996 RU