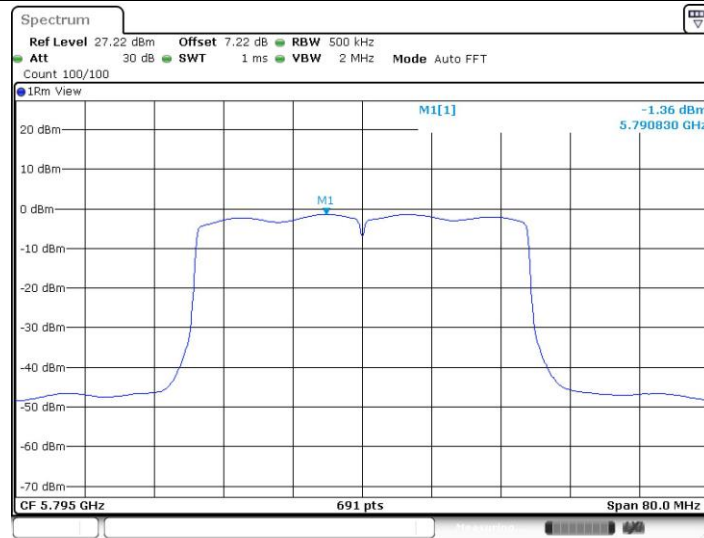




11AX40MIMO_Ant1_5795



Date: 8 SEP 2021 06:42:16

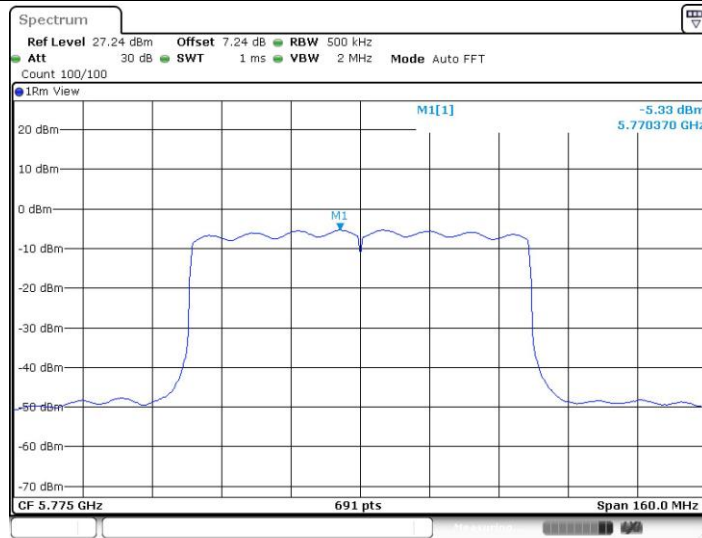
11AX40MIMO_Ant2_5795



Date: 8 SEP 2021 06:43:55

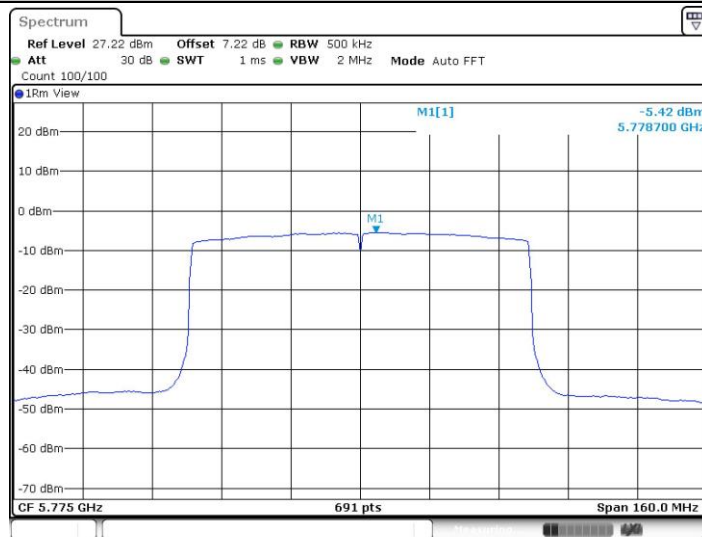


11AX80MIMO_Ant1_5775



Date: 8 SEP 2021 07:04:37

11AX80MIMO_Ant2_5775



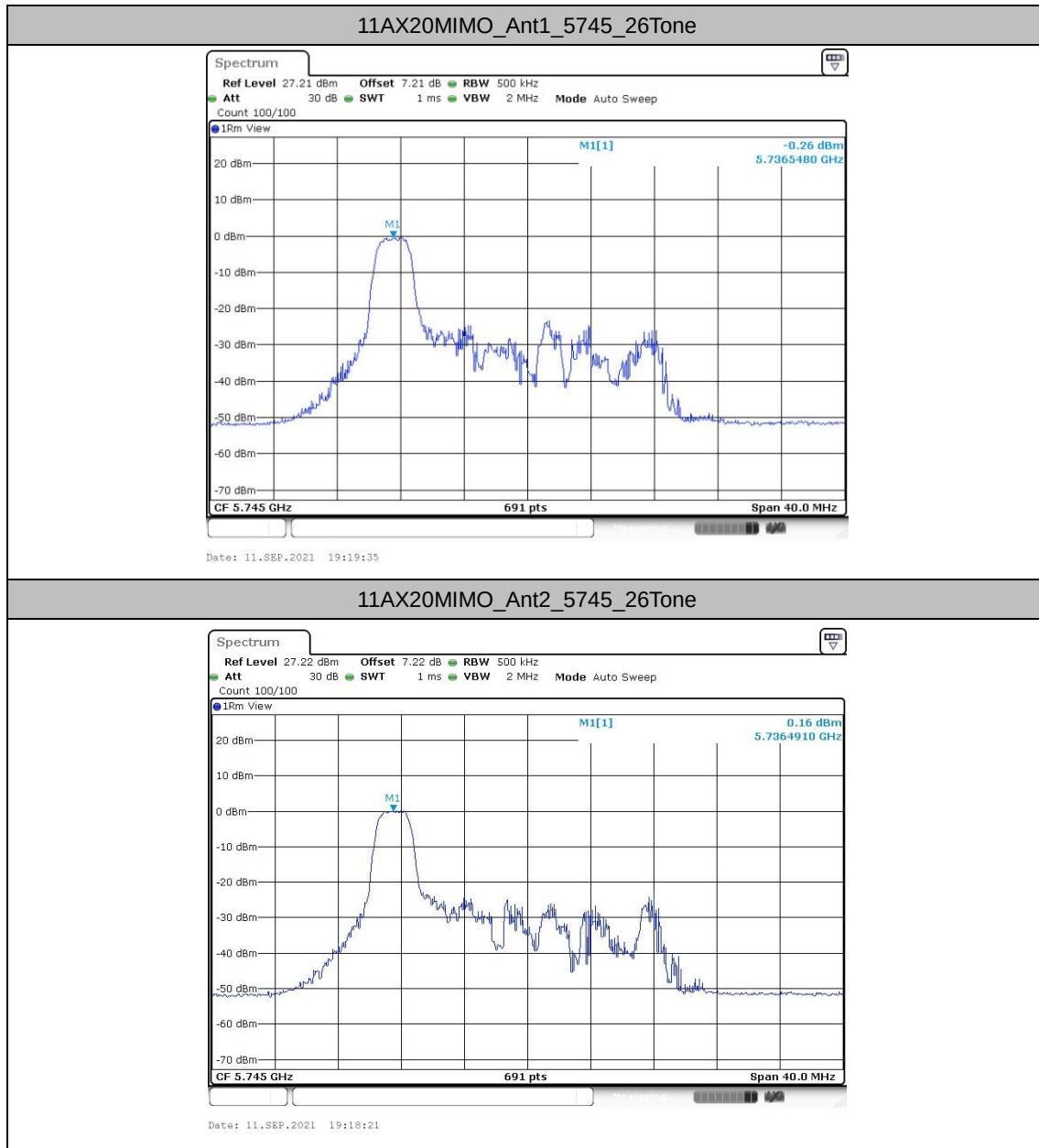
Date: 8 SEP 2021 07:06:39

Maximum power spectral density <Partial RU>

TestMode	Antenna	Channel	RuSize	RuIndex	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11AX20MIMO	Ant1	5745	26Tone	RU1	-0.26	≤30	PASS
	Ant2	5745	26Tone	RU1	0.16	≤30	PASS
	Total	5745	26Tone	RU1	2.96	≤30	PASS
	Ant1	5825	26Tone	RU9	0.69	≤30	PASS
	Ant2	5825	26Tone	RU9	0.51	≤30	PASS
	Total	5825	26Tone	RU9	3.61	≤30	PASS
	Ant1	5745	52Tone	RU37	1.12	≤30	PASS
			106Tone	RU53	1.25	≤30	PASS
	Ant2	5745	52Tone	RU37	0.19	≤30	PASS
			106Tone	RU53	-0.41	≤30	PASS
	total	5745	52Tone	RU37	3.69	≤30	PASS
			106Tone	RU53	3.51	≤30	PASS
	Ant1	5825	52Tone	RU40	1.18	≤30	PASS
			106Tone	RU54	0.96	≤30	PASS
	Ant2	5825	52Tone	RU40	0.62	≤30	PASS
			106Tone	RU54	-0.01	≤30	PASS
	total	5825	52Tone	RU40	3.92	≤30	PASS
			106Tone	RU54	3.51	≤30	PASS
11AX40MIMO	Ant1	5755	242Tone	RU1	-1.48	≤30	PASS
	Ant2	5755	242Tone	RU1	-3.25	≤30	PASS
	total	5755	242Tone	RU1	0.73	≤30	PASS
	Ant1	5795	242Tone	RU18	-1.56	≤30	PASS
	Ant2	5795	242Tone	RU18	-3.20	≤30	PASS
	total	5795	242Tone	RU18	0.71	≤30	PASS
11AX80MIMO	Ant1	5775	484Tone	RU1	-5.62	≤30	PASS
				RU37	-5.47	≤30	PASS
	Ant2	5775	484Tone	RU1	-6.94	≤30	PASS
				RU37	-6.63	≤30	PASS
	total	5775	484Tone	RU1	-3.22	≤30	PASS
				RU37	-3.00	≤30	PASS

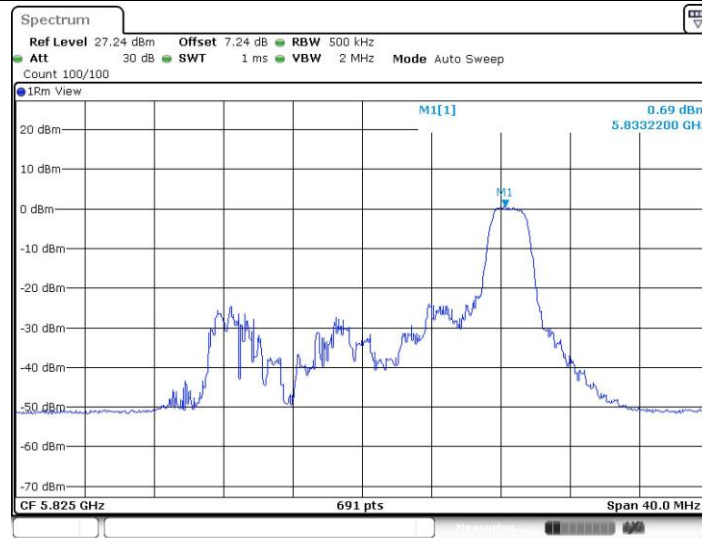


Trigger-Based



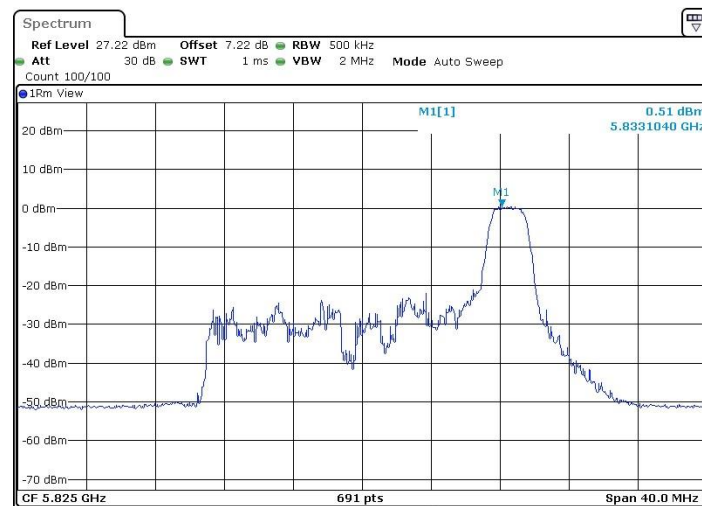


11AX20MIMO_Ant1_5825_26Tone



Date: 11.SEP.2021 19:21:44

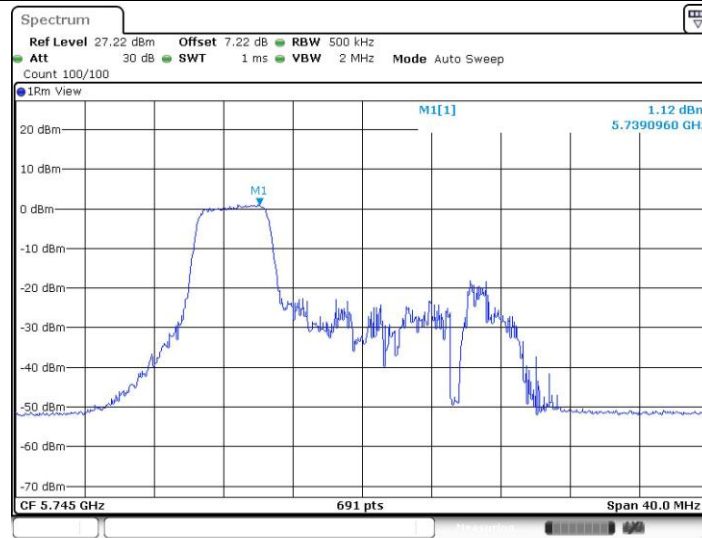
11AX20MIMO_Ant2_5825_26Tone



Date: 11.SEP.2021 19:22:33

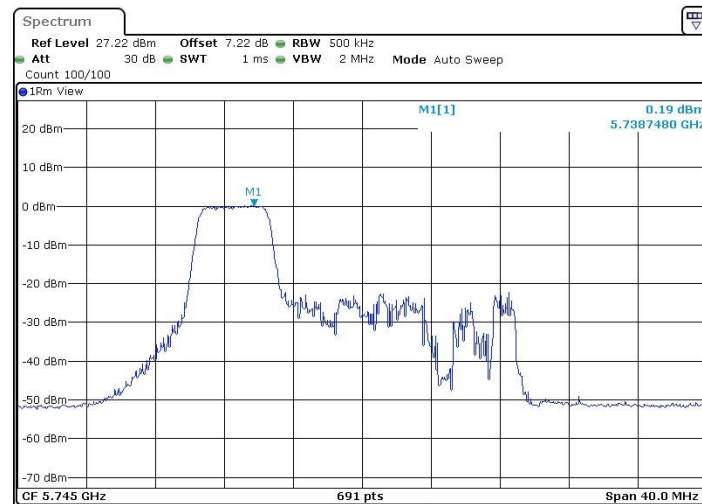


11AX20MIMO_Ant1_5745_52Tone



Date: 11.SEP.2021 23:33:56

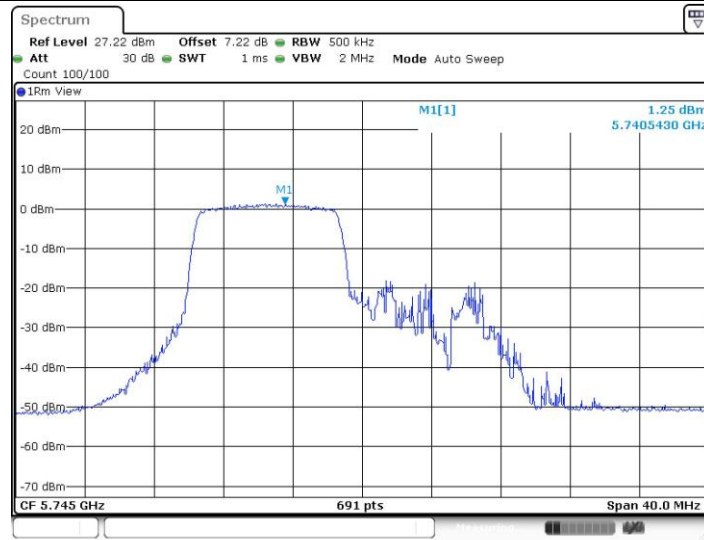
11AX20MIMO_Ant2_5745_52Tone



Date: 11.SEP.2021 23:32:38

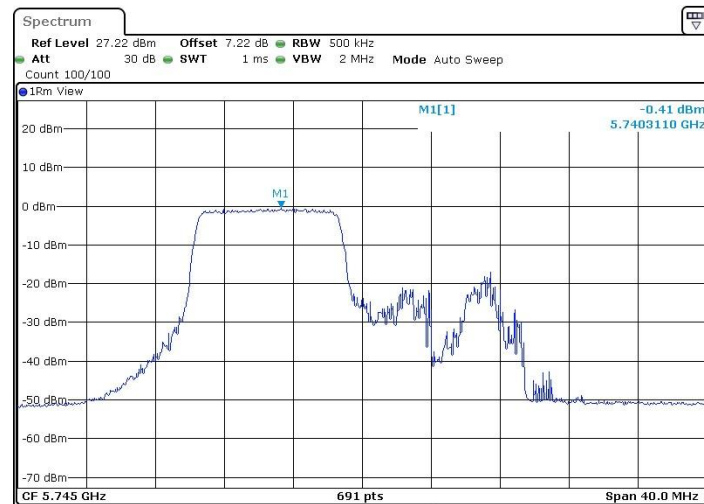


11AX20MIMO_Ant1_5745_106Tone



Date: 14.SEP.2021 23:19:58

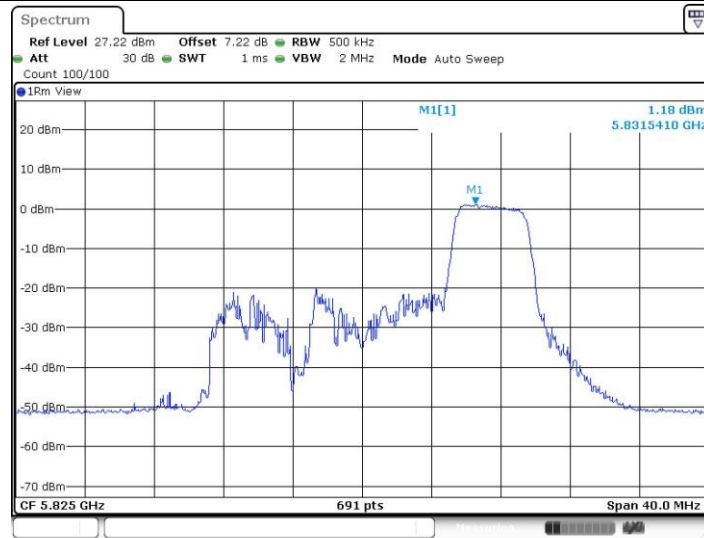
11AX20MIMO_Ant2_5745_106Tone



Date: 14.SEP.2021 23:19:11

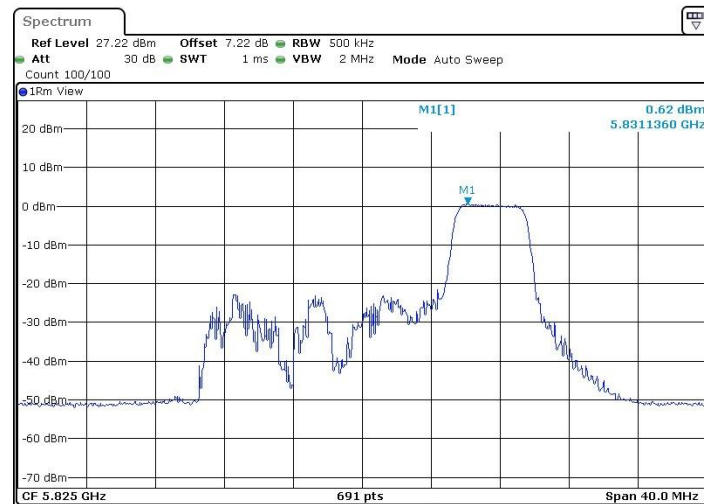


11AX20MIMO_Ant1_5825_52Tone



Date: 11.SEP.2021 23:38:43

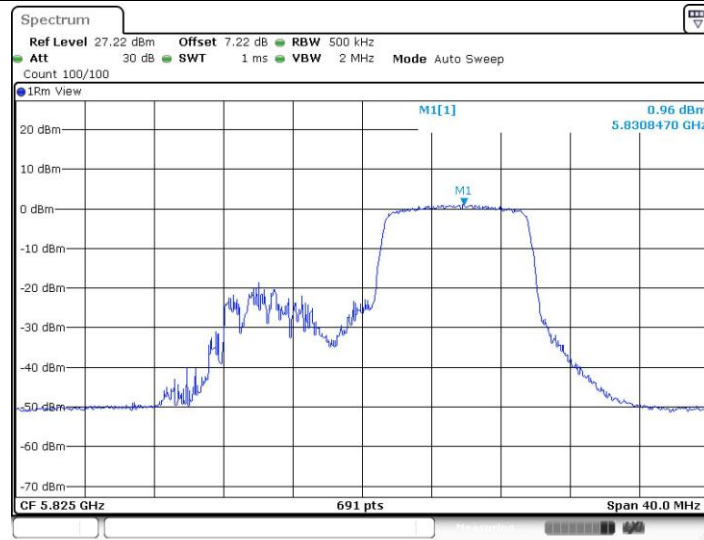
11AX20MIMO_Ant2_5825_52Tone



Date: 11.SEP.2021 23:37:46

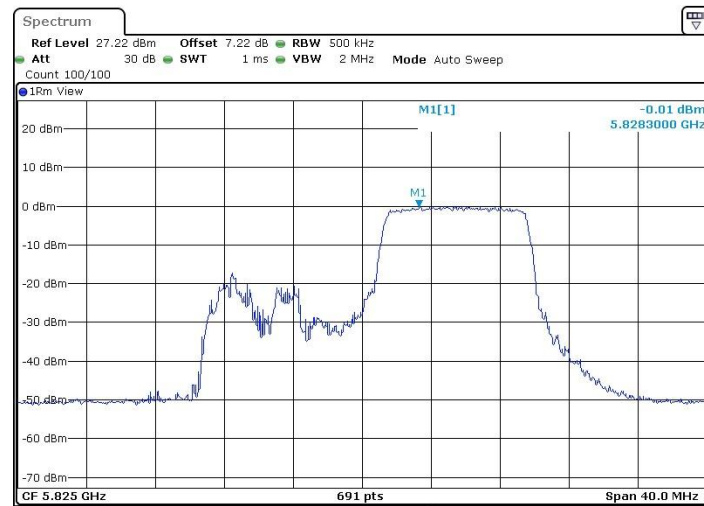


11AX20MIMO_Ant1_5825_106Tone



Date: 14.SEP.2021 23:16:49

11AX20MIMO_Ant2_5825_106Tone



Date: 14.SEP.2021 23:17:31



11AX40MIMO_Ant1_5755_242Tone



Date: 11.SEP.2021 20:31:12

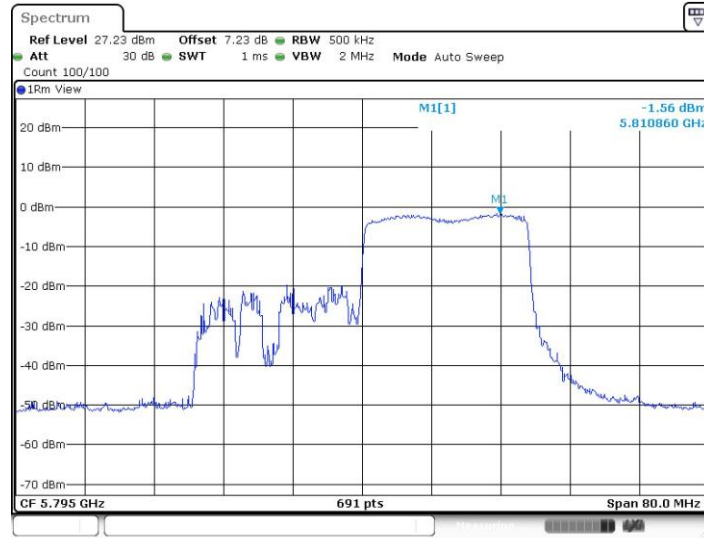
11AX40MIMO_Ant2_5755_242Tone



Date: 11.SEP.2021 20:31:50

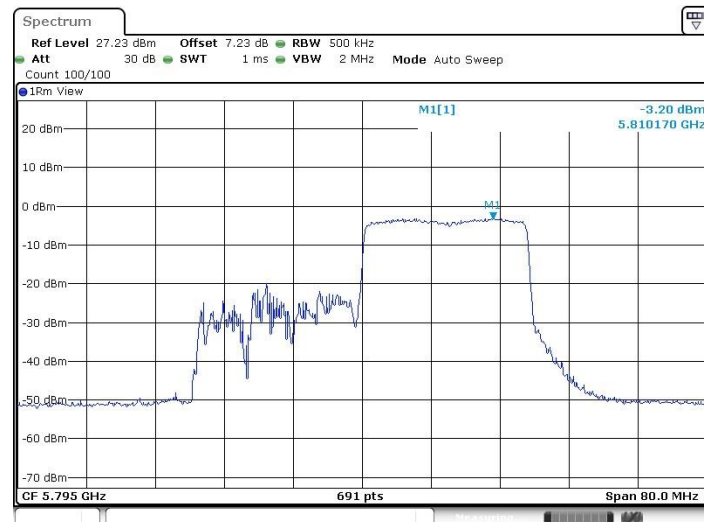


11AX40MIMO_Ant1_5795_242Tone

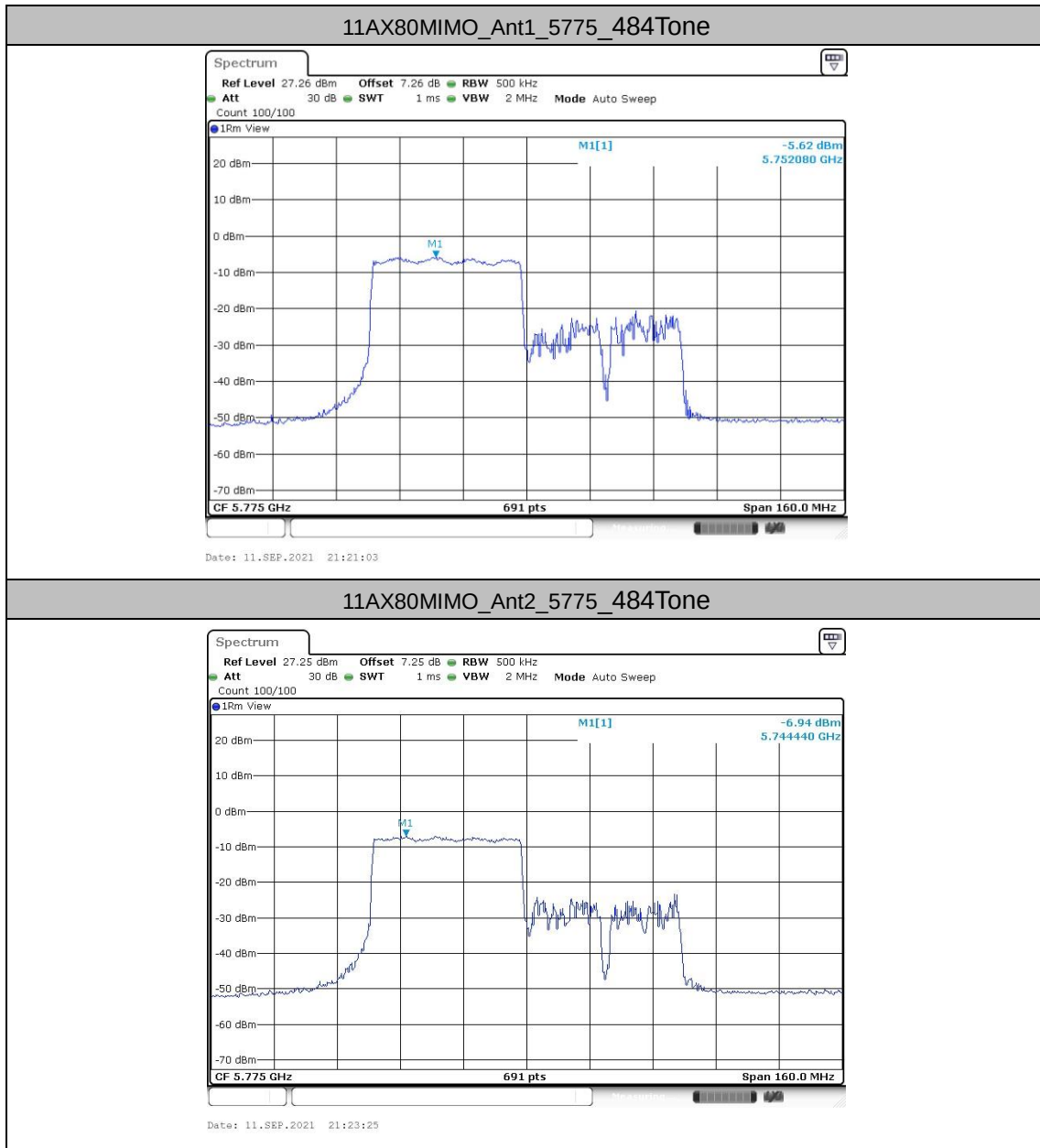


Date: 11.SEP.2021 20:35:16

11AX40MIMO_Ant2_5795_242Tone

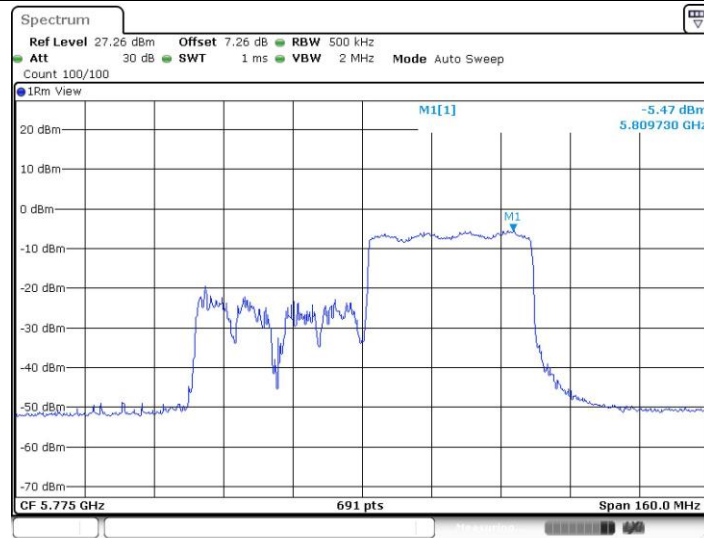


Date: 11.SEP.2021 20:35:59



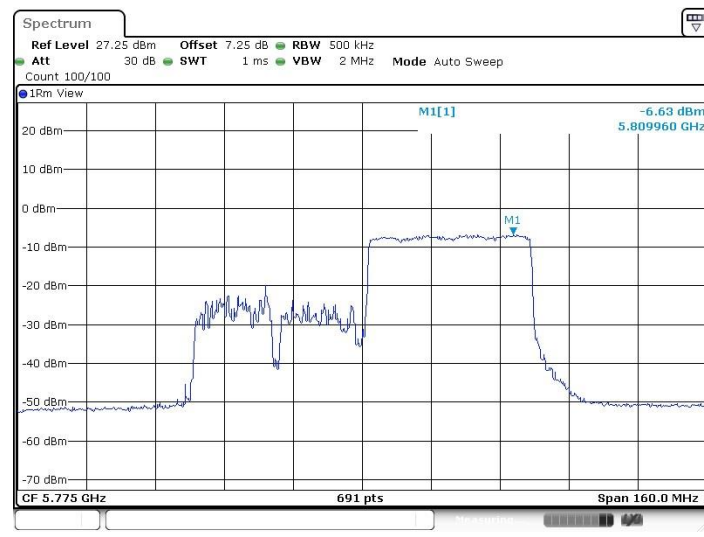


11AX80MIMO_Ant1_5775_484Tone



Date: 11.SEP.2021 21:21:56

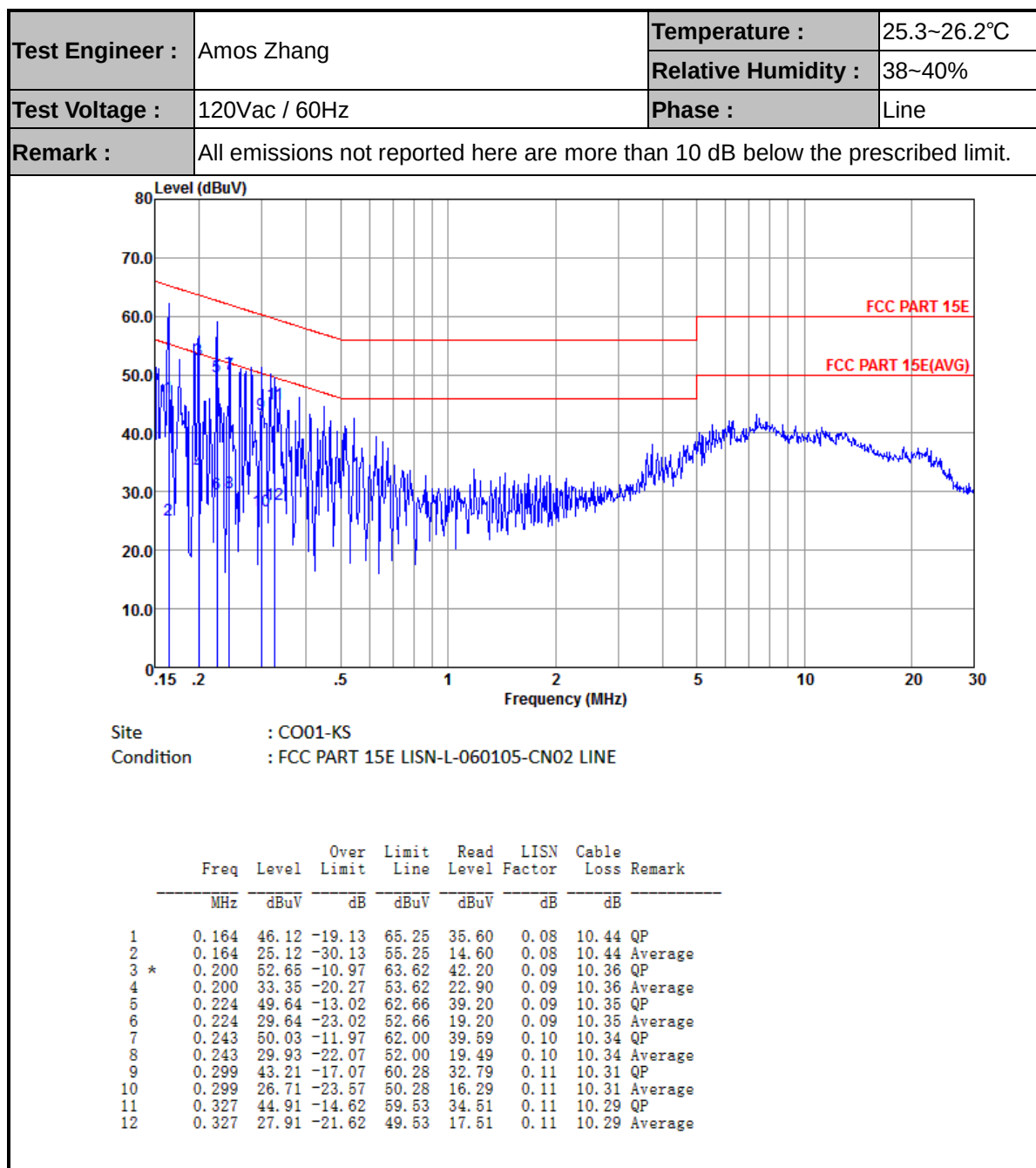
11AX80MIMO_Ant2_5775_484Tone



Date: 11.SEP.2021 21:24:23

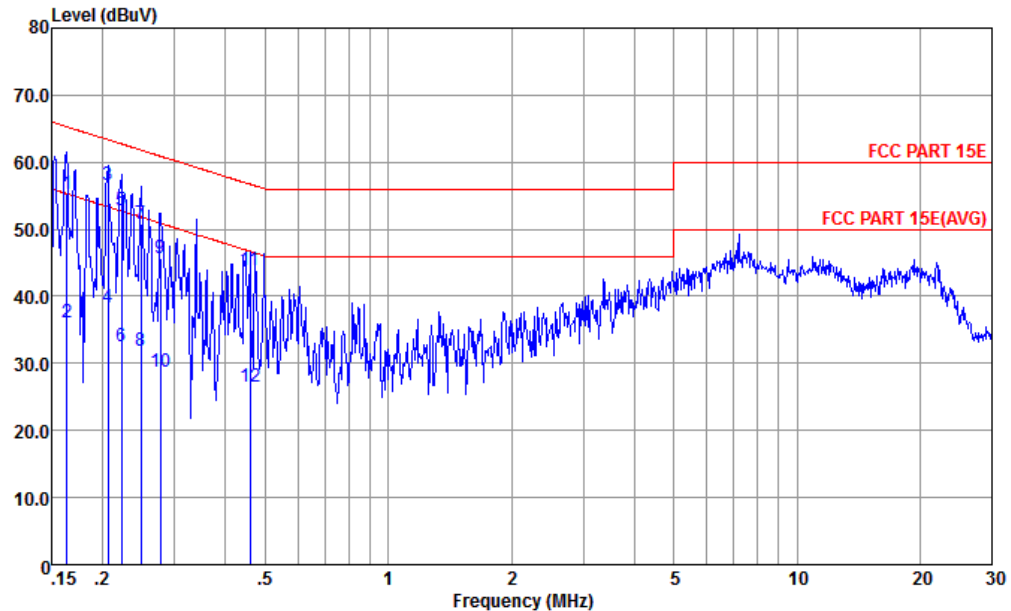


Appendix B. AC Conducted Emission Test Results





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



Site : CO01-KS
Condition : FCC PART 15E LISN-N-060105-CN02 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBμV	Limit	Line	Level	Factor	Loss	
			dB	dBμV	dBμV	dB	dB	
1	0.163	55.20	-10.10	65.30	44.60	0.15	10.45	QP
2	0.163	36.20	-19.10	55.30	25.60	0.15	10.45	Average
3 *	0.206	56.63	-6.73	63.36	46.10	0.17	10.36	QP
4	0.206	38.33	-15.03	53.36	27.80	0.17	10.36	Average
5	0.222	52.72	-10.02	62.74	42.20	0.17	10.35	QP
6	0.222	32.42	-20.32	52.74	21.90	0.17	10.35	Average
7	0.248	50.72	-11.10	61.82	40.21	0.18	10.33	QP
8	0.248	31.82	-20.00	51.82	21.31	0.18	10.33	Average
9	0.277	45.71	-15.19	60.90	35.20	0.19	10.32	QP
10	0.277	28.71	-22.19	50.90	18.20	0.19	10.32	Average
11	0.459	43.97	-12.74	56.71	33.50	0.22	10.25	QP
12	0.459	26.57	-20.14	46.71	16.10	0.22	10.25	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission

UNII 3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5600	56.46	-11.84	68.3	41.22	35.47	12.05	32.28	389	38	P	H
		5686.4	57.21	-38.06	95.27	41.76	35.59	12.12	32.26	389	38	P	H
		5716.4	65.17	-44.72	109.89	49.68	35.62	12.13	32.26	389	38	P	H
		5724.8	67.18	-54.66	121.84	51.64	35.65	12.15	32.26	389	38	P	H
		5746	108.03	-	-	92.44	35.68	12.16	32.25	389	38	P	H
		5746	101.45	-	-	85.86	35.68	12.16	32.25	389	38	A	H
		5618.4	56.81	-11.49	68.3	41.55	35.48	12.06	32.28	178	1	P	V
		5699.2	56.74	-47.97	104.71	41.29	35.59	12.12	32.26	178	1	P	V
		5718.4	64.58	-45.87	110.45	49.04	35.65	12.15	32.26	178	1	P	V
		5724.4	63.72	-57.21	120.93	48.18	35.65	12.15	32.26	178	1	P	V
		5746	106.51	-	-	90.92	35.68	12.16	32.25	178	1	P	V
		5746	100.62	-	-	85.03	35.68	12.16	32.25	178	1	A	V
802.11a CH 165 5825MHz		5852.8	61.59	-54.33	115.92	45.7	35.87	12.25	32.23	333	43	P	H
		5855.6	58.35	-52.38	110.73	42.42	35.9	12.26	32.23	333	43	P	H
		5910.8	56.79	-21.99	78.78	40.82	35.88	12.31	32.22	333	43	P	H
		5937.6	56.96	-11.34	68.3	40.99	35.87	12.32	32.22	333	43	P	H
		5830	108.04	-	-	92.2	35.84	12.24	32.24	333	43	P	H
		5830	99.33	-	-	83.49	35.84	12.24	32.24	333	43	A	H
		5852.8	56.8	-59.12	115.92	40.91	35.87	12.25	32.23	162	347	P	V
		5855.2	59.03	-51.81	110.84	43.1	35.9	12.26	32.23	162	347	P	V
		5875.2	56.86	-48.29	105.15	40.91	35.89	12.28	32.22	162	347	P	V
		5940.8	58.1	-10.2	68.3	42.12	35.86	12.34	32.22	162	347	P	V
		5830	106.51	-	-	90.67	35.84	12.24	32.24	162	347	P	V
		5830	98.86	-	-	83.02	35.84	12.24	32.24	162	347	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11489.48	44.63	-29.37	74	48.75	38.69	17.62	60.43	100	360	P	H
		11489.48	44.8	-29.2	74	48.92	38.69	17.62	60.43	100	360	P	V
802.11a CH 157 5785MHz		11569.56	44.59	-29.41	74	48.55	38.74	17.68	60.38	100	360	P	H
		11569.56	44.04	-29.96	74	48	38.74	17.68	60.38	100	360	P	V
802.11a CH 165 5825MHz		11649.64	44.97	-29.03	74	48.8	38.78	17.72	60.33	100	360	P	H
		11649.64	44.55	-29.45	74	48.38	38.78	17.72	60.33	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20 CH 149 5745MHz		5615.2	55.87	-12.43	68.3	40.63	35.47	12.05	32.28	145	324	P	H
		5676	56.05	-31.53	87.58	40.65	35.56	12.1	32.26	145	324	P	H
		5715.6	57.16	-52.51	109.67	41.67	35.62	12.13	32.26	145	324	P	H
		5724.4	56.41	-64.52	120.93	40.87	35.65	12.15	32.26	145	324	P	H
		5740	108.07	-	-	92.48	35.68	12.16	32.25	145	324	P	H
		5740	99.54	-	-	83.95	35.68	12.16	32.25	145	324	A	H
		5624	56.39	-11.91	68.3	41.13	35.48	12.06	32.28	100	3	P	V
		5697.2	56.13	-47.11	103.24	40.68	35.59	12.12	32.26	100	3	P	V
		5708.4	57.79	-49.86	107.65	42.3	35.62	12.13	32.26	100	3	P	V
		5723.6	58.86	-60.25	119.11	43.32	35.65	12.15	32.26	100	3	P	V
		5752	105.98	-	-	90.33	35.72	12.18	32.25	100	3	P	V
		5752	98.38	-	-	82.73	35.72	12.18	32.25	100	3	A	V
802.11 ax20 CH 165 5825MHz		5854.8	56.75	-54.61	111.36	40.82	35.9	12.26	32.23	301	53	P	H
		5872.4	57.17	-48.86	106.03	41.22	35.89	12.28	32.22	301	53	P	H
		5910.4	57.22	-21.85	79.07	41.25	35.88	12.31	32.22	301	53	P	H
		5932	56.31	-11.99	68.3	40.34	35.87	12.32	32.22	301	53	P	H
		5830	106.29	-	-	90.45	35.84	12.24	32.24	301	53	P	H
		5830	97.54	-	-	81.7	35.84	12.24	32.24	301	53	A	H
		5852	58.35	-59.39	117.74	42.46	35.87	12.25	32.23	165	359	P	V
		5860	57.63	-51.87	109.5	41.7	35.9	12.26	32.23	165	359	P	V
		5895.6	57.58	-32.44	90.02	41.63	35.88	12.29	32.22	165	359	P	V
		5939.2	56.72	-11.58	68.3	40.74	35.86	12.34	32.22	165	359	P	V
		5824	106.8	-	-	90.96	35.84	12.24	32.24	165	359	P	V
		5824	98.56	-	-	82.72	35.84	12.24	32.24	165	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11 ax20		11489.48	44.46	-29.54	74	48.58	38.69	17.62	60.43	100	360	P	H
CH 149 5745MHz		11489.48	44.35	-29.65	74	48.47	38.69	17.62	60.43	100	360	P	V
802.11 ax20		11569.56	43.68	-30.32	74	47.64	38.74	17.68	60.38	100	360	P	H
CH 157 5785MHz		11569.56	45.98	-28.02	74	49.94	38.74	17.68	60.38	100	360	P	V
802.11 ax20		11649.64	44.75	-29.25	74	48.58	38.78	17.72	60.33	100	360	P	H
CH 165 5825MHz		11649.64	44.07	-29.93	74	47.9	38.78	17.72	60.33	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 149 5745MHz		5600.4	56.78	-11.52	68.3	41.98	35.47	12.05	32.72	400	38	P	H
		5665.2	55.94	-23.64	79.58	40.95	35.53	12.09	32.63	400	38	P	H
		5706.4	55.05	-52.04	107.09	40.05	35.62	12.13	32.75	400	38	P	H
		5723.2	54.59	-63.61	118.2	39.65	35.65	12.15	32.86	400	38	P	H
		5740	103.76	-	-	88.89	35.68	12.16	32.97	400	38	P	H
		5740	96.94	-	-	82.07	35.68	12.16	32.97	400	38	A	H
		5614	57.25	-11.05	68.3	42.35	35.47	12.05	32.62	303	0	P	V
		5674.8	56.13	-30.56	86.69	41.1	35.56	12.1	32.63	303	0	P	V
		5707.2	55.14	-52.18	107.32	40.14	35.62	12.13	32.75	303	0	P	V
		5720.8	55.64	-57.08	112.72	40.7	35.65	12.15	32.86	303	0	P	V
		5734	105.86	-	-	90.92	35.65	12.15	32.86	303	0	P	V
		5734	97.33	-	-	82.39	35.65	12.15	32.86	303	0	A	V
802.11ax HE20 Partial 26/8 CH 165 5825MHz		5851.2	54.38	-65.18	119.56	39.69	35.87	12.25	33.43	182	309	P	H
		5856.8	55.07	-55.33	110.4	40.34	35.9	12.26	33.43	182	309	P	H
		5914	56.11	-20.3	76.41	41.46	35.88	12.31	33.54	182	309	P	H
		5962	55.33	-12.97	68.3	40.79	35.85	12.35	33.66	182	309	P	H
		5836	104	-	-	89.24	35.84	12.24	33.32	182	309	P	H
		5836	96.16	-	-	81.4	35.84	12.24	33.32	182	309	A	H
		5852	57.06	-60.68	117.74	42.37	35.87	12.25	33.43	186	0	P	V
		5857.6	55.56	-54.61	110.17	40.83	35.9	12.26	33.43	186	0	P	V
		5879.2	55.72	-46.46	102.18	41.04	35.89	12.28	33.49	186	0	P	V
		5939.6	56.43	-11.87	68.3	41.83	35.86	12.34	33.6	186	0	P	V
		5836	105.8	-	-	91.04	35.84	12.24	33.32	186	0	P	V
		5836	97.91	-	-	83.15	35.84	12.24	33.32	186	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz

WIFI 802.11ax HE20_Partial 52 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 149 5745MHz		5604.8	56.48	-11.82	68.3	41.68	35.47	12.05	32.72	180	314	P	H
		5657.6	57.4	-16.55	73.95	42.3	35.53	12.09	32.52	180	314	P	H
		5706	55.7	-51.28	106.98	40.7	35.62	12.13	32.75	180	314	P	H
		5724.4	56.41	-64.52	120.93	41.47	35.65	12.15	32.86	180	314	P	H
		5740	104.52	-	-	89.65	35.68	12.16	32.97	180	314	P	H
		5740	98.37	-	-	83.5	35.68	12.16	32.97	180	314	A	H
		5630	56.38	-11.92	68.3	41.46	35.48	12.06	32.62	396	341	P	V
		5682.4	56.21	-36.1	92.31	41.18	35.56	12.1	32.63	396	341	P	V
		5704.8	55.7	-50.95	106.65	40.7	35.62	12.13	32.75	396	341	P	V
		5723.6	54.53	-64.58	119.11	39.59	35.65	12.15	32.86	396	341	P	V
		5740	104.04	-	-	89.17	35.68	12.16	32.97	396	341	P	V
		5740	96.36	-	-	81.49	35.68	12.16	32.97	396	341	A	V
802.11ax HE20 Partial 52/40 CH 165 5825MHz		5851.6	56.05	-62.6	118.65	41.36	35.87	12.25	33.43	163	330	P	H
		5863.2	56.02	-52.58	108.6	41.29	35.9	12.26	33.43	163	330	P	H
		5912.4	56	-21.59	77.59	41.35	35.88	12.31	33.54	163	330	P	H
		5929.6	56.4	-11.9	68.3	41.81	35.87	12.32	33.6	163	330	P	H
		5836	107.84	-	-	93.08	35.84	12.24	33.32	163	330	P	H
		5836	100.84	-	-	86.08	35.84	12.24	33.32	163	330	A	H
		5850.8	54.72	-65.76	120.48	40.03	35.87	12.25	33.43	210	360	P	V
		5870.8	57.17	-49.3	106.47	42.49	35.89	12.28	33.49	210	360	P	V
		5903.6	56.14	-27.96	84.1	41.51	35.88	12.29	33.54	210	360	P	V
		5968.8	55.81	-12.49	68.3	41.27	35.85	12.35	33.66	210	360	P	V
		5830	107	-	-	92.24	35.84	12.24	33.32	210	360	P	V
		5830	100	-	-	85.24	35.84	12.24	33.32	210	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5624.4	56.4	-11.9	68.3	41.48	35.48	12.06	32.62	145	329	P	H
		5656.4	55.94	-17.11	73.05	40.84	35.53	12.09	32.52	145	329	P	H
		5714.4	56.62	-52.71	109.33	41.73	35.62	12.13	32.86	145	329	P	H
		5720	54.96	-55.94	110.9	40.02	35.65	12.15	32.86	145	329	P	H
		5740	106.45	-	-	91.58	35.68	12.16	32.97	145	329	P	H
		5740	99.39	-	-	84.52	35.68	12.16	32.97	145	329	A	H
		5625.2	56.2	-12.1	68.3	41.28	35.48	12.06	32.62	131	0	P	V
		5674.4	56.14	-30.26	86.4	41.11	35.56	12.1	32.63	131	0	P	V
		5706.4	56.29	-50.8	107.09	41.29	35.62	12.13	32.75	131	0	P	V
		5724.8	55.75	-66.09	121.84	40.81	35.65	12.15	32.86	131	0	P	V
		5740	104.87	-	-	90	35.68	12.16	32.97	131	0	P	V
		5740	97.87	-	-	83	35.68	12.16	32.97	131	0	A	V
802.11ax HE20 Partial 106/54 CH 165 5825MHz		5850.4	55.13	-66.26	121.39	40.44	35.87	12.25	33.43	127	328	P	H
		5856	55.45	-55.17	110.62	40.72	35.9	12.26	33.43	127	328	P	H
		5903.2	56.01	-28.38	84.39	41.38	35.88	12.29	33.54	127	328	P	H
		5968	56.35	-11.95	68.3	41.81	35.85	12.35	33.66	127	328	P	H
		5830	105.29	-	-	90.53	35.84	12.24	33.32	127	328	P	H
		5830	97.66	-	-	82.9	35.84	12.24	33.32	127	328	A	H
		5851.6	54.59	-64.06	118.65	39.9	35.87	12.25	33.43	110	360	P	V
		5856	55.17	-55.45	110.62	40.44	35.9	12.26	33.43	110	360	P	V
		5892.8	55.75	-36.34	92.09	41.07	35.88	12.29	33.49	110	360	P	V
		5926	55.6	-12.7	68.3	41.01	35.87	12.32	33.6	110	360	P	V
		5830	106.73	-	-	91.97	35.84	12.24	33.32	110	360	P	V
		5830	98.37	-	-	83.61	35.84	12.24	33.32	110	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 151 5755MHz		5602.8	55.89	-12.41	68.3	40.65	35.47	12.05	32.28	144	321	P	H
		5698	56.42	-47.41	103.83	40.97	35.59	12.12	32.26	144	321	P	H
		5718	57.81	-52.53	110.34	42.27	35.65	12.15	32.26	144	321	P	H
		5724	57.29	-62.73	120.02	41.75	35.65	12.15	32.26	144	321	P	H
		5853.2	55.81	-59.19	115	39.92	35.87	12.25	32.23	144	321	P	H
		5873.2	56.59	-49.21	105.8	40.64	35.89	12.28	32.22	144	321	P	H
		5898.8	57.41	-30.24	87.65	41.46	35.88	12.29	32.22	144	321	P	H
		5971.2	56.9	-11.4	68.3	40.91	35.85	12.35	32.21	144	321	P	H
		5740	103.93	-	-	88.34	35.68	12.16	32.25	144	321	P	H
		5740	96.56	-	-	80.97	35.68	12.16	32.25	144	321	A	H
		5603.2	56.97	-11.33	68.3	41.73	35.47	12.05	32.28	171	356	P	V
		5698.4	56.92	-47.2	104.12	41.47	35.59	12.12	32.26	171	356	P	V
		5716.8	59.03	-50.98	110.01	43.54	35.62	12.13	32.26	171	356	P	V
		5721.2	58.7	-54.94	113.64	43.16	35.65	12.15	32.26	171	356	P	V
		5854	55.21	-57.97	113.18	39.28	35.9	12.26	32.23	171	356	P	V
		5874.4	55.9	-49.57	105.47	39.95	35.89	12.28	32.22	171	356	P	V
		5888	56.98	-38.67	95.65	41.03	35.88	12.29	32.22	171	356	P	V
		5943.2	56.21	-12.09	68.3	40.23	35.86	12.34	32.22	171	356	P	V
		5752	106.12	-	-	90.47	35.72	12.18	32.25	171	356	P	V
		5752	97.18	-	-	81.53	35.72	12.18	32.25	171	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 159 5795MHz		5627.6	58.56	-9.74	68.3	43.3	35.48	12.06	32.28	156	323	P	H
		5698	57.43	-46.4	103.83	41.98	35.59	12.12	32.26	156	323	P	H
		5701.6	56.03	-49.72	105.75	40.54	35.62	12.13	32.26	156	323	P	H
		5721.6	56.96	-57.59	114.55	41.42	35.65	12.15	32.26	156	323	P	H
		5850.8	56.81	-63.67	120.48	40.92	35.87	12.25	32.23	156	323	P	H
		5861.2	56.71	-52.45	109.16	40.78	35.9	12.26	32.23	156	323	P	H
		5897.6	56.07	-32.47	88.54	40.12	35.88	12.29	32.22	156	323	P	H
		5946	56.29	-12.01	68.3	40.31	35.86	12.34	32.22	156	323	P	H
		5794	105.76	-	-	90.01	35.78	12.21	32.24	156	323	P	H
		5794	95.8	-	-	80.05	35.78	12.21	32.24	156	323	A	H
		5624.4	57.2	-11.1	68.3	41.94	35.48	12.06	32.28	186	356	P	V
		5682.8	56.13	-36.48	92.61	40.73	35.56	12.1	32.26	186	356	P	V
		5702	56.93	-48.93	105.86	41.44	35.62	12.13	32.26	186	356	P	V
		5724	55.43	-64.59	120.02	39.89	35.65	12.15	32.26	186	356	P	V
		5854.4	56.35	-55.92	112.27	40.42	35.9	12.26	32.23	186	356	P	V
		5862.4	56.81	-52.02	108.83	40.88	35.9	12.26	32.23	186	356	P	V
		5876.4	56.96	-47.3	104.26	41.01	35.89	12.28	32.22	186	356	P	V
		5933.2	57.34	-10.96	68.3	41.37	35.87	12.32	32.22	186	356	P	V
		5794	105.09	-	-	89.34	35.78	12.21	32.24	186	356	P	V
		5794	96.01	-	-	80.26	35.78	12.21	32.24	186	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full		11509.5	44.45	-29.55	74	48.55	38.7	17.63	60.43	100	360	P	H
CH 151 5755MHz		11509.5	44.44	-29.56	74	48.54	38.7	17.63	60.43	100	360	P	V
802.11ax HE40 Full		11589.58	44.33	-29.67	74	48.26	38.75	17.69	60.37	100	360	P	H
CH 159 5795MHz		11589.58	45.51	-28.49	74	49.44	38.75	17.69	60.37	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz

WIFI 802.11ax HE40_Partial 242 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 151 5755MHz		5624	56.39	-11.91	68.3	41.47	35.48	12.06	32.62	146	329	P	H
		5665.6	56.19	-23.69	79.88	41.2	35.53	12.09	32.63	146	329	P	H
		5718.4	59.83	-50.62	110.45	44.89	35.65	12.15	32.86	146	329	P	H
		5720.4	60.92	-50.89	111.81	45.98	35.65	12.15	32.86	146	329	P	H
		5850.8	54.54	-65.94	120.48	39.85	35.87	12.25	33.43	146	329	P	H
		5861.6	55.49	-53.56	109.05	40.76	35.9	12.26	33.43	146	329	P	H
		5902	55.79	-29.49	85.28	41.16	35.88	12.29	33.54	146	329	P	H
		5942.4	56.24	-12.06	68.3	41.64	35.86	12.34	33.6	146	329	P	H
		5752	103.91	-	-	88.98	35.72	12.18	32.97	146	329	P	H
		5752	89.88	-	-	74.95	35.72	12.18	32.97	146	329	A	H
		5622.4	56.53	-11.77	68.3	41.61	35.48	12.06	32.62	115	360	P	V
		5652.8	55.54	-14.84	70.38	40.44	35.53	12.09	32.52	115	360	P	V
		5718.8	62.25	-48.31	110.56	47.31	35.65	12.15	32.86	115	360	P	V
		5722	61.28	-54.18	115.46	46.34	35.65	12.15	32.86	115	360	P	V
		5853.2	53.94	-61.06	115	39.25	35.87	12.25	33.43	115	360	P	V
		5870	55.85	-50.85	106.7	41.18	35.9	12.26	33.49	115	360	P	V
		5888	55.79	-39.86	95.65	41.11	35.88	12.29	33.49	115	360	P	V
		5973.6	55.32	-12.98	68.3	40.82	35.84	12.37	33.71	115	360	P	V
		5740	106.56	-	-	91.69	35.68	12.16	32.97	115	360	P	V
		5740	97.09	-	-	82.22	35.68	12.16	32.97	115	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/62 CH 159 5795MHz		5618.8	57.12	-11.18	68.3	42.2	35.48	12.06	32.62	142	319	P	H
		5683.2	57.18	-35.72	92.9	42.15	35.56	12.1	32.63	142	319	P	H
		5714.8	55.95	-53.5	109.45	41.06	35.62	12.13	32.86	142	319	P	H
		5721.6	54.57	-59.98	114.55	39.63	35.65	12.15	32.86	142	319	P	H
		5852	55.52	-62.22	117.74	40.83	35.87	12.25	33.43	142	319	P	H
		5872.8	56.58	-49.34	105.92	41.9	35.89	12.28	33.49	142	319	P	H
		5880.8	56.28	-44.71	100.99	41.6	35.89	12.28	33.49	142	319	P	H
		5940	57.32	-10.98	68.3	42.72	35.86	12.34	33.6	142	319	P	H
		5800	103.82	-	-	89.03	35.78	12.21	33.2	142	319	P	H
		5800	95.28	-	-	80.49	35.78	12.21	33.2	142	319	A	H
		5603.2	56.37	-11.93	68.3	41.57	35.47	12.05	32.72	168	360	P	V
		5663.2	55.57	-22.53	78.1	40.58	35.53	12.09	32.63	168	360	P	V
		5718.4	54.98	-55.47	110.45	40.04	35.65	12.15	32.86	168	360	P	V
		5724.4	54.75	-66.18	120.93	39.81	35.65	12.15	32.86	168	360	P	V
		5854	55.36	-57.82	113.18	40.63	35.9	12.26	33.43	168	360	P	V
		5862.4	54.89	-53.94	108.83	40.16	35.9	12.26	33.43	168	360	P	V
		5888.8	55.28	-39.78	95.06	40.6	35.88	12.29	33.49	168	360	P	V
		5960	56.26	-12.04	68.3	41.72	35.85	12.35	33.66	168	360	P	V
		5800	104.3	-	-	89.51	35.78	12.21	33.2	168	360	P	V
		5800	95.29	-	-	80.5	35.78	12.21	33.2	168	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5604.4	57.58	-10.72	68.3	42.34	35.47	12.05	32.28	131	328	P	H
		5695.6	56.62	-45.44	102.06	41.17	35.59	12.12	32.26	131	328	P	H
		5714.8	57.81	-51.64	109.45	42.32	35.62	12.13	32.26	131	328	P	H
		5724.8	56.59	-65.25	121.84	41.05	35.65	12.15	32.26	131	328	P	H
		5850.8	57.79	-62.69	120.48	41.9	35.87	12.25	32.23	131	328	P	H
		5874.8	57.3	-48.06	105.36	41.35	35.89	12.28	32.22	131	328	P	H
		5903.2	57.58	-26.81	84.39	41.63	35.88	12.29	32.22	131	328	P	H
		5954.8	56.92	-11.38	68.3	40.93	35.86	12.34	32.21	131	328	P	H
		5794	102.83	-	-	87.08	35.78	12.21	32.24	131	328	P	H
		5794	92.58	-	-	76.83	35.78	12.21	32.24	131	328	A	H
		5601.2	57.38	-10.92	68.3	42.14	35.47	12.05	32.28	188	355	P	V
		5694	56.98	-43.9	100.88	41.53	35.59	12.12	32.26	188	355	P	V
		5716.4	58.18	-51.71	109.89	42.69	35.62	12.13	32.26	188	355	P	V
		5722.8	56.56	-60.72	117.28	41.02	35.65	12.15	32.26	188	355	P	V
		5851.6	56.41	-62.24	118.65	40.52	35.87	12.25	32.23	188	355	P	V
		5861.2	56.72	-52.44	109.16	40.79	35.9	12.26	32.23	188	355	P	V
		5885.2	56.6	-41.13	97.73	40.65	35.89	12.28	32.22	188	355	P	V
		5951.6	56.88	-11.42	68.3	40.89	35.86	12.34	32.21	188	355	P	V
		5752	101.92	-	-	86.27	35.72	12.18	32.25	188	355	P	V
		5752	92.78	-	-	77.13	35.72	12.18	32.25	188	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz
WIFI 802.11ax HE80_Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		11549.54	43.6	-30.4	74	47.6	38.73	17.66	60.39	100	360	P	H
CH 155 5775MHz		11549.54	43.53	-30.47	74	47.53	38.73	17.66	60.39	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII 3 5725~5850MHz

WIFI 802.11ax HE80_Partial 242 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 155 5775MHz		5609.6	56.9	-11.4	68.3	42	35.47	12.05	32.62	128	331	P	H
		5691.6	56.01	-43.1	99.11	41.05	35.59	12.12	32.75	128	331	P	H
		5716	57.02	-52.76	109.78	42.13	35.62	12.13	32.86	128	331	P	H
		5724.4	62.53	-58.4	120.93	47.59	35.65	12.15	32.86	128	331	P	H
		5850	54.29	-68.01	122.3	39.6	35.87	12.25	33.43	128	331	P	H
		5867.2	55.6	-51.88	107.48	40.87	35.9	12.26	33.43	128	331	P	H
		5880.8	55.8	-45.19	100.99	41.12	35.89	12.28	33.49	128	331	P	H
		5928	55.74	-12.56	68.3	41.15	35.87	12.32	33.6	128	331	P	H
		5752	101.07	-	-	86.14	35.72	12.18	32.97	128	331	P	H
		5752	92.65	-	-	77.72	35.72	12.18	32.97	128	331	A	H
		5626	57.37	-10.93	68.3	42.45	35.48	12.06	32.62	201	357	P	V
		5661.6	56.28	-20.63	76.91	41.29	35.53	12.09	32.63	201	357	P	V
		5718.4	63.16	-47.29	110.45	48.22	35.65	12.15	32.86	201	357	P	V
		5724.8	63.38	-58.46	121.84	48.44	35.65	12.15	32.86	201	357	P	V
		5852.4	55.1	-61.73	116.83	40.41	35.87	12.25	33.43	201	357	P	V
		5874.4	56.43	-49.04	105.47	41.75	35.89	12.28	33.49	201	357	P	V
		5876.4	55.6	-48.66	104.26	40.92	35.89	12.28	33.49	201	357	P	V
		5973.6	56.26	-12.04	68.3	41.76	35.84	12.37	33.71	201	357	P	V
		5746	100.65	-	-	85.78	35.68	12.16	32.97	201	357	P	V
		5746	92.47	-	-	77.6	35.68	12.16	32.97	201	357	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5633.6	56.63	-11.67	68.3	41.67	35.5	12.08	32.62	298	43	P	H
		5688.4	56.22	-40.52	96.74	41.26	35.59	12.12	32.75	298	43	P	H
		5713.6	57.9	-51.21	109.11	43.01	35.62	12.13	32.86	298	43	P	H
		5722.4	61.16	-55.21	116.37	46.22	35.65	12.15	32.86	298	43	P	H
		5851.2	54.16	-65.4	119.56	39.47	35.87	12.25	33.43	298	43	P	H
		5868.4	56.03	-51.12	107.15	41.3	35.9	12.26	33.43	298	43	P	H
		5902.8	56.64	-28.05	84.69	42.01	35.88	12.29	33.54	298	43	P	H
		5963.6	55.46	-12.84	68.3	40.92	35.85	12.35	33.66	298	43	P	H
		5800	100.41	-	-	85.62	35.78	12.21	33.2	298	43	P	H
		5800	91.87	-	-	77.08	35.78	12.21	33.2	298	43	A	H
		5611.2	56.63	-11.67	68.3	41.73	35.47	12.05	32.62	119	355	P	V
		5662.4	56.54	-20.97	77.51	41.55	35.53	12.09	32.63	119	355	P	V
		5714.4	61.68	-47.65	109.33	46.79	35.62	12.13	32.86	119	355	P	V
		5724.8	61.81	-60.03	121.84	46.87	35.65	12.15	32.86	119	355	P	V
		5852.4	57.18	-59.65	116.83	42.49	35.87	12.25	33.43	119	355	P	V
		5860	58.68	-50.82	109.5	43.95	35.9	12.26	33.43	119	355	P	V
		5894.4	56.72	-34.19	90.91	42.04	35.88	12.29	33.49	119	355	P	V
		5935.6	55.69	-12.61	68.3	41.1	35.87	12.32	33.6	119	355	P	V
		5782	100.52	-	-	85.67	35.75	12.19	33.09	119	355	P	V
		5782	92.12	-	-	77.27	35.75	12.19	33.09	119	355	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		43.58	23.65	-16.35	40	37.71	17.82	1	32.88	100	0	P	H
		145.43	16.8	-26.7	43.5	30.22	17.56	1.83	32.81	-	-	P	H
		209.45	19.6	-23.9	43.5	33.6	16.9	2.2	33.1	-	-	P	H
		323.91	21.4	-24.6	46	30.78	20.78	2.74	32.9	-	-	P	H
		499.48	24.15	-21.85	46	29.05	24.48	3.42	32.8	-	-	P	H
		695.42	26.71	-19.29	46	29.75	25.72	4.03	32.79	-	-	P	H
		42.61	33.87	-6.13	40	47.4	18.34	0.99	32.86	100	360	P	H
		66.86	17.89	-22.11	40	36.46	13.26	1.23	33.06	-	-	P	V
		176.47	20.36	-23.14	43.5	34.44	16.86	2.02	32.96	-	-	P	V
		375.32	19.9	-26.1	46	27.74	22.06	2.95	32.85	-	-	P	V
		540.22	25.36	-20.64	46	28.82	25.63	3.55	32.64	-	-	P	V
		737.13	26.1	-19.9	46	28.38	26.3	4.15	32.73	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

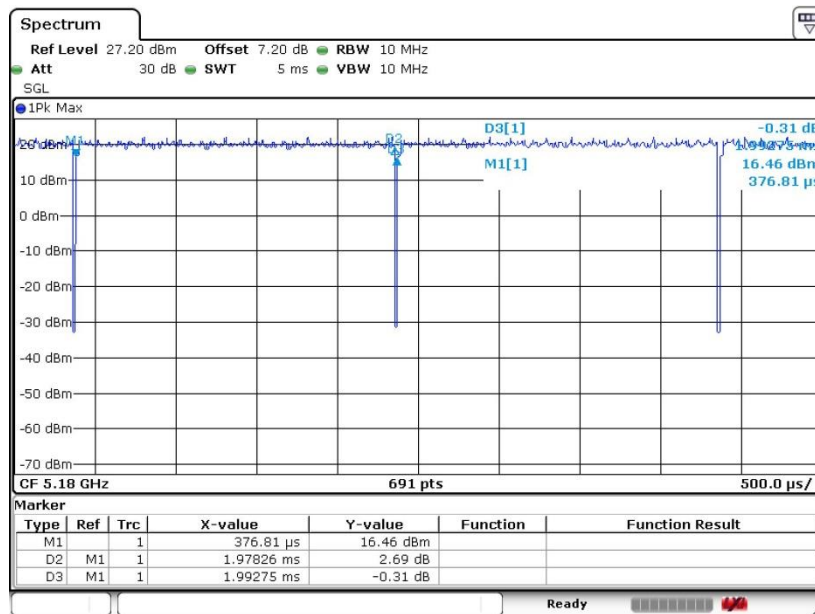
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

Appendix D. Duty Cycle Plots

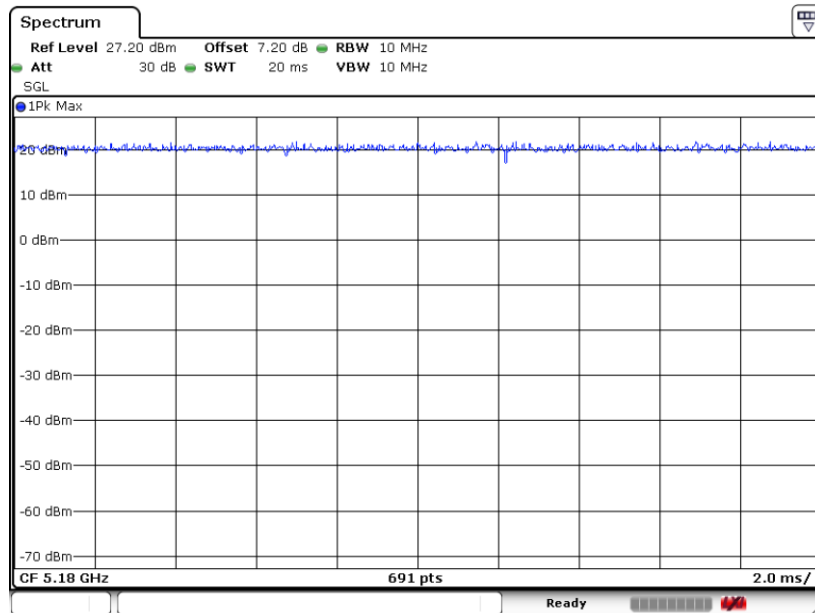
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	99.27	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz
1+2	802.11ax HE80	100	-	-	10Hz
1+2	802.11ax HE160	99.33	-	-	10Hz

802.11a

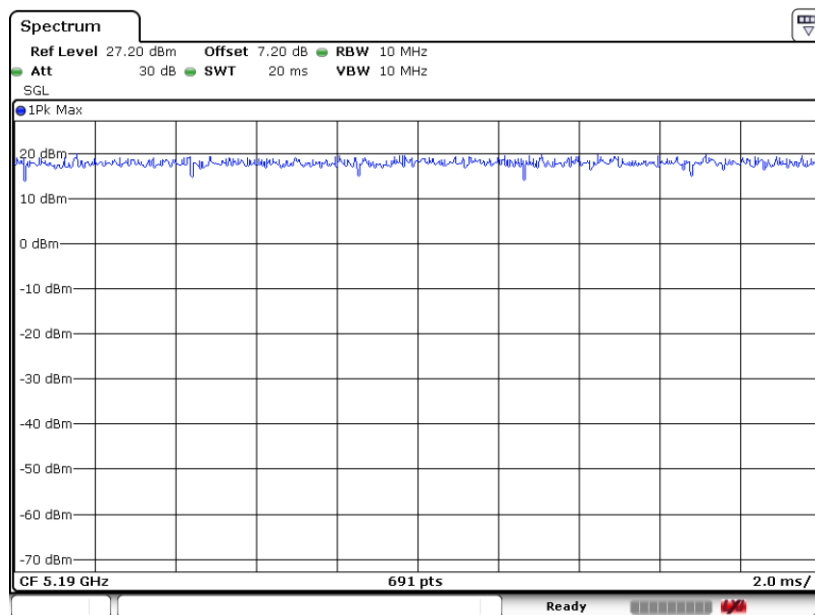




802.11ax HE20

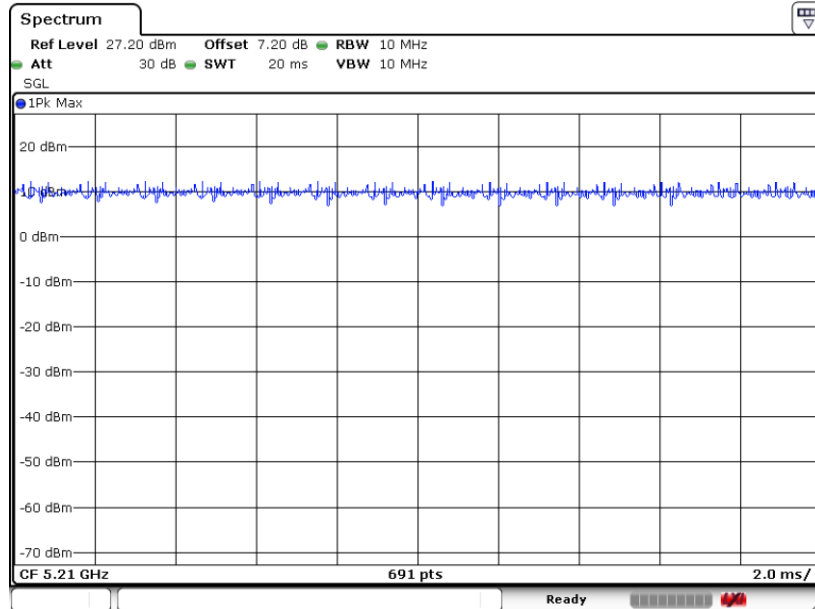


802.11ax HE40





802.11ax HE80



802.11ax HE160

