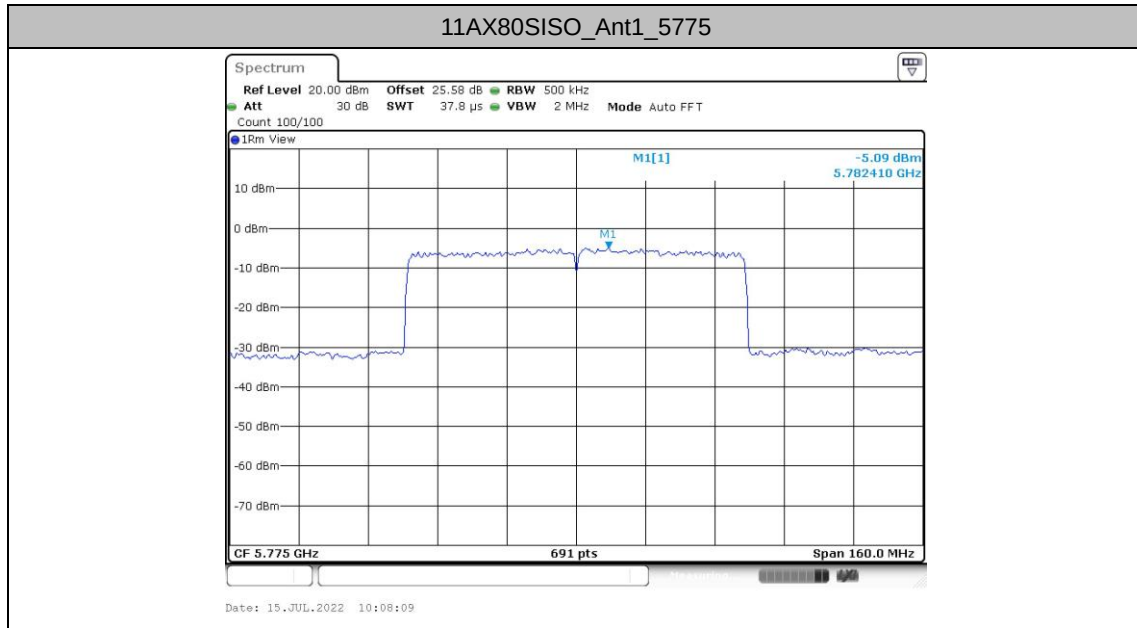






Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20SISO	Ant1	5745	26Tone	RU0	14.5	14.31	95.28	0.21	14.52	≤30.00	-3.00	11.52	---	PASS
			52Tone	RU37	14.5	14.66	95.28	0.21	14.87	≤30.00	-3.00	11.87	---	PASS
			106Tone	RU53	14.5	14.90	95.28	0.21	15.11	≤30.00	-3.00	12.11	---	PASS
		5825	26Tone	RU8	14.5	14.53	95.28	0.21	14.74	≤30.00	-3.00	11.74	---	PASS
			52Tone	RU40	14.5	14.76	95.28	0.21	14.97	≤30.00	-3.00	11.97	---	PASS
			106Tone	RU54	14.5	14.98	95.28	0.21	15.19	≤30.00	-3.00	12.19	---	PASS
11AX40SISO	Ant1	5755	242Tone	RU61	14.5	14.93	91.38	0.39	15.32	≤30.00	-3.00	12.32	---	PASS
		5795	242Tone	RU62	14.5	14.99	91.38	0.39	15.38	≤30.00	-3.00	12.38	---	PASS
11AX80SISO	Ant1	5775	484Tone	RU65	14.5	14.69	87.88	0.56	15.25	≤30.00	-3.00	12.25	---	PASS
				RU66	14.5	14.77	87.88	0.56	15.33	≤30.00	-3.00	12.33	---	PASS

Maximum power spectral density

Test Result

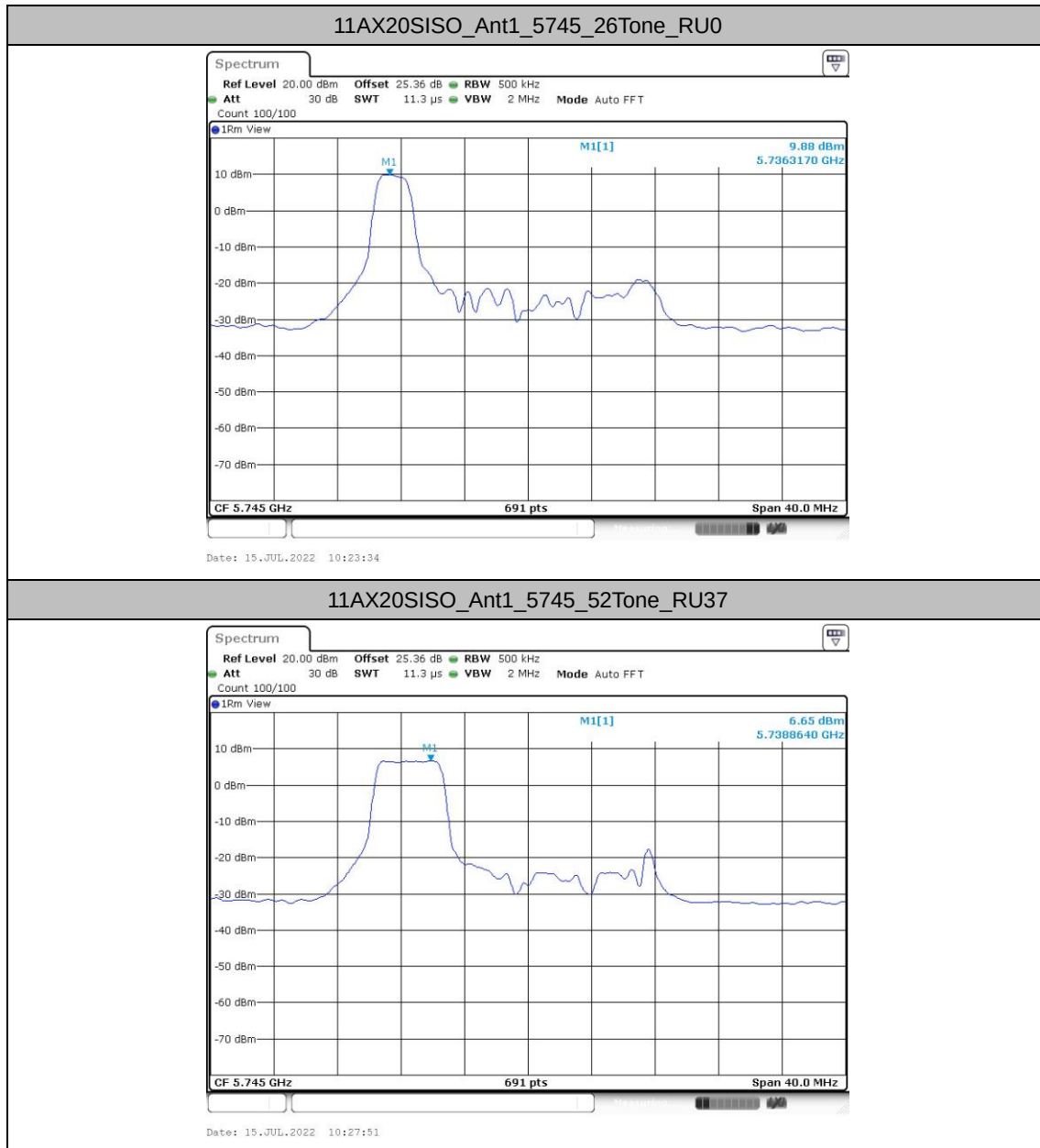
Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20SISO	Ant1	5745	26Tone	RU0	9.88	≤30.00	PASS
			52Tone	RU37	6.65	≤30.00	PASS
			106Tone	RU53	4.57	≤30.00	PASS
		5825	26Tone	RU8	10.12	≤30.00	PASS
			52Tone	RU40	7.11	≤30.00	PASS
			106Tone	RU54	3.96	≤30.00	PASS
11AX40SISO	Ant1	5755	242Tone	RU61	0.61	≤30.00	PASS
		5795	242Tone	RU62	0.47	≤30.00	PASS
11AX80SISO	Ant1	5775	484Tone	RU65	-2.57	≤30.00	PASS
				RU66	-1.95	≤30.00	PASS

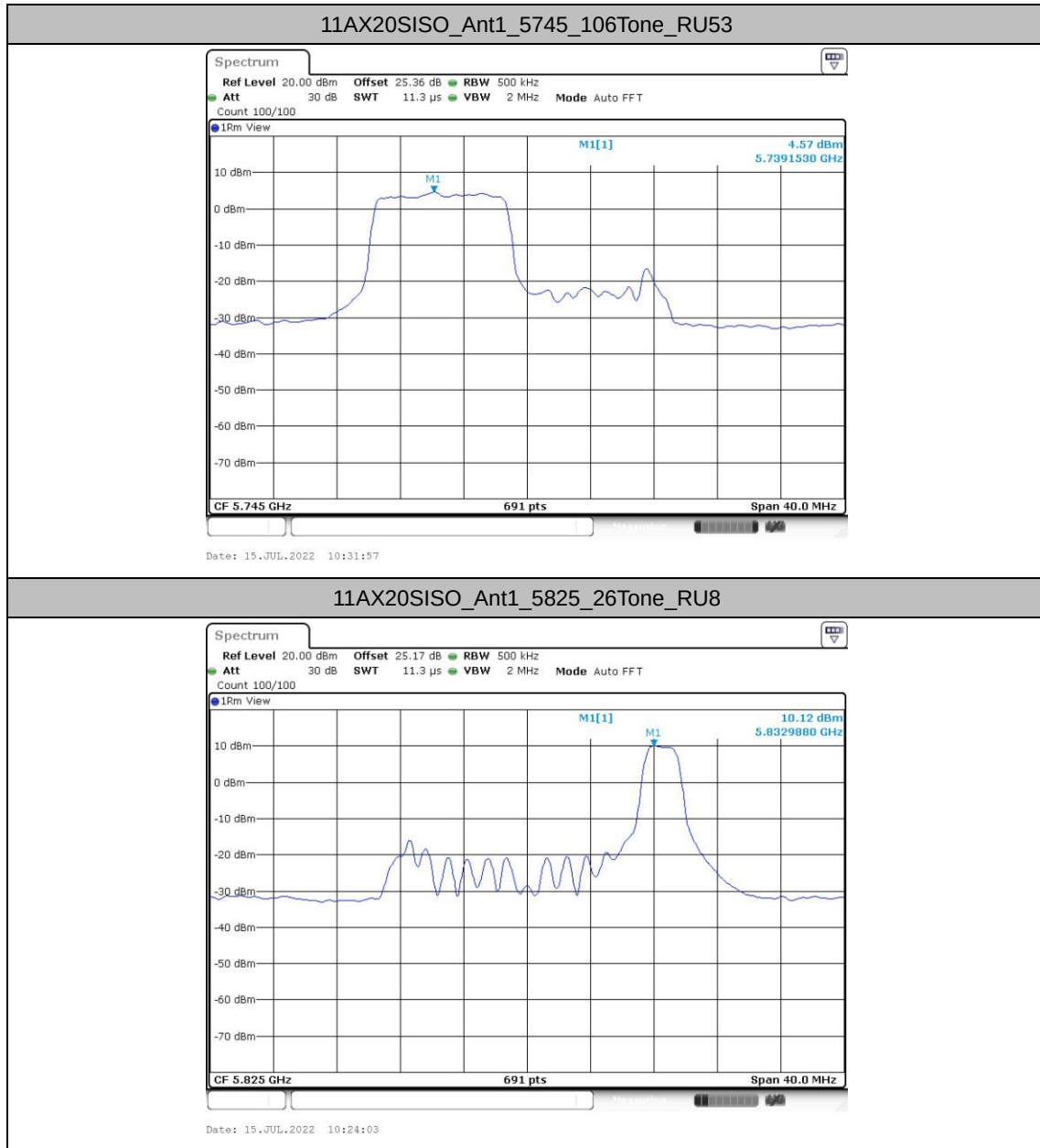
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



Test Graphs







11AX20SISO_Ant1_5825_52Tone_RU40

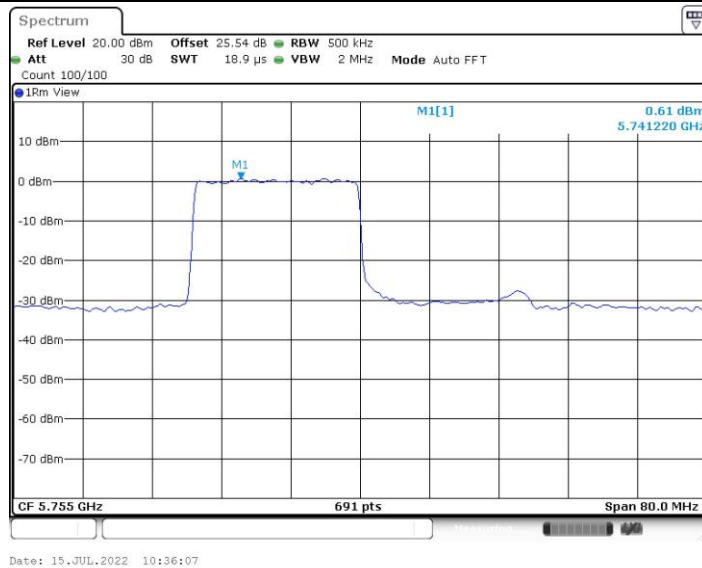


11AX20SISO_Ant1_5825_106Tone_RU54





11AX40SISO_Ant1_5755_242Tone_RU61



11AX40SISO_Ant1_5795_242Tone_RU62





11AX80SISO_Ant1_5775_484Tone_RU65

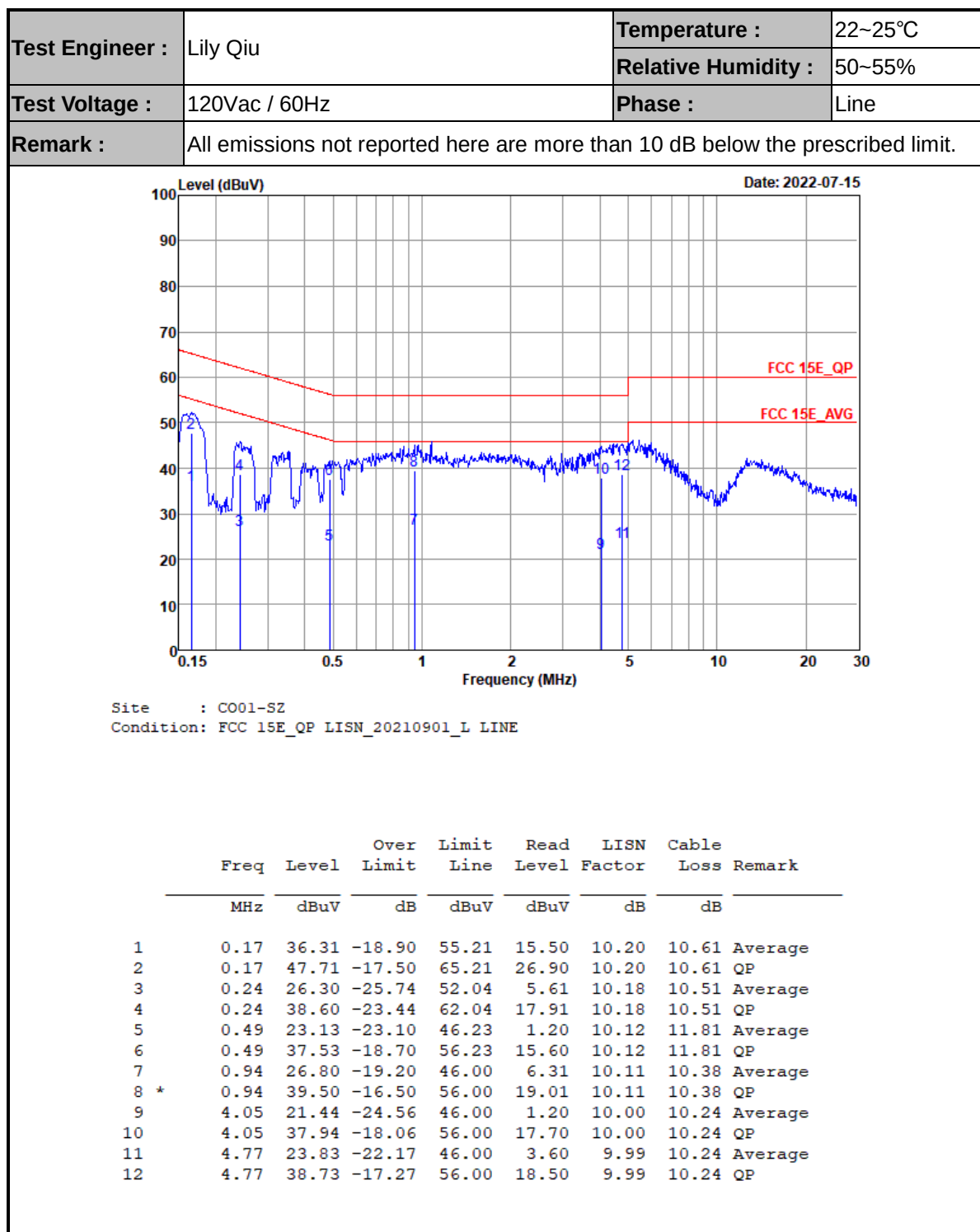


11AX80SISO_Ant1_5775_484Tone_RU66



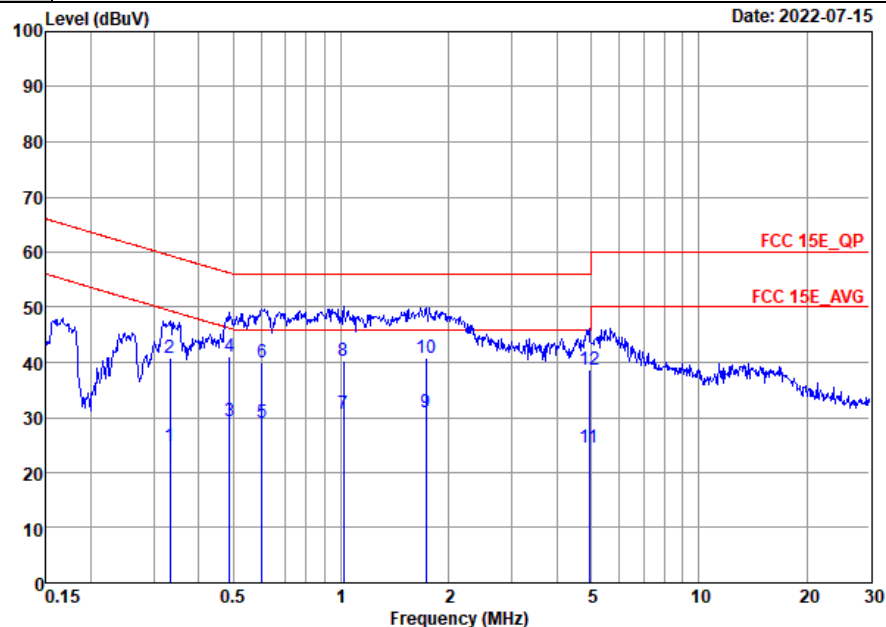


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Lily Qiu	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15E_QP LISN_20210901_N NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.33	24.69	-24.71	49.40	3.41	10.18	11.10	Average
2	0.33	40.69	-18.71	59.40	19.41	10.18	11.10	QP
3	0.49	29.30	-16.89	46.19	7.30	10.19	11.81	Average
4	0.49	41.00	-15.19	56.19	19.00	10.19	11.81	QP
5	0.60	29.16	-16.84	46.00	7.50	10.24	11.42	Average
6	0.60	39.96	-16.04	56.00	18.30	10.24	11.42	QP
7	1.02	30.55	-15.45	46.00	10.10	10.22	10.23	Average
8	1.02	40.25	-15.75	56.00	19.80	10.22	10.23	QP
9 *	1.73	31.05	-14.95	46.00	10.59	10.22	10.24	Average
10	1.73	40.85	-15.15	56.00	20.39	10.22	10.24	QP
11	4.93	24.57	-21.43	46.00	4.20	10.13	10.24	Average
12	4.93	38.57	-17.43	56.00	18.20	10.13	10.24	QP

Note:

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



Appendix C. Radiated Spurious Emission

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5633.4	54.25	-14.05	68.3	40.2	34.37	12.28	32.6	217	26	P	H
		5697.2	56.35	-46.79	103.14	42.26	34.4	12.29	32.6	217	26	P	H
		5718.8	64.43	-46.03	110.46	50.27	34.47	12.29	32.6	217	26	P	H
		5725	72.05	-50.15	122.2	57.88	34.47	12.3	32.6	217	26	P	H
		5745	105.43	-	-	91.23	34.5	12.3	32.6	217	26	P	H
		5745	98.48	-	-	84.28	34.5	12.3	32.6	217	26	A	H
		5615	52.72	-15.58	68.3	38.75	34.3	12.27	32.6	253	102	P	V
		5699.6	55.6	-49.31	104.91	41.51	34.4	12.29	32.6	253	102	P	V
		5719	65.86	-44.66	110.52	51.7	34.47	12.29	32.6	253	102	P	V
		5725	70.08	-52.12	122.2	55.91	34.47	12.3	32.6	253	102	P	V
		5745	104.37	-	-	90.17	34.5	12.3	32.6	253	102	P	V
		5745	97.36	-	-	83.16	34.5	12.3	32.6	253	102	A	V
802.11a CH 157 5785MHz		5648	53.9	-14.4	68.3	39.85	34.37	12.28	32.6	210	26	P	H
		5699.6	54.34	-50.57	104.91	40.25	34.4	12.29	32.6	210	26	P	H
		5716.6	53.78	-56.07	109.85	39.66	34.43	12.29	32.6	210	26	P	H
		5724.8	52.68	-69.06	121.74	38.52	34.47	12.29	32.6	210	26	P	H
		5785	105.51	-	-	91.17	34.63	12.31	32.6	210	26	P	H
		5785	98.65	-	-	84.31	34.63	12.31	32.6	210	26	A	H
		5850.6	52.75	-68.08	120.83	38.23	34.8	12.32	32.6	210	26	P	H
		5857	52.87	-57.37	110.24	38.28	34.87	12.32	32.6	210	26	P	H
		5916.6	53.02	-21.37	74.39	38.26	35.03	12.33	32.6	210	26	P	H
		5942.4	53.39	-14.91	68.3	38.55	35.1	12.34	32.6	210	26	P	H



WIFI Ant. 1	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 157 5785MHz		5641.6	53.31	-14.99	68.3	39.26	34.37	12.28	32.6	277	91	P	V
		5691.8	53.64	-45.53	99.17	39.55	34.4	12.29	32.6	277	91	P	V
		5720	54.1	-56.7	110.8	39.94	34.47	12.29	32.6	277	91	P	V
		5720	54.1	-56.7	110.8	39.94	34.47	12.29	32.6	277	91	P	V
		5785	104.25	-----	-----	89.91	34.63	12.31	32.6	277	91	P	V
		5785	96.73	-----	-----	82.39	34.63	12.31	32.6	277	91	A	V
		5850.6	52.1	-68.73	120.83	37.58	34.8	12.32	32.6	277	91	P	V
		5874.2	53.26	-52.16	105.42	38.61	34.93	12.32	32.6	277	91	P	V
		5914	53.18	-23.13	76.31	38.42	35.03	12.33	32.6	277	91	P	V
		5948.4	53.23	-15.07	68.3	38.39	35.1	12.34	32.6	277	91	P	V
802.11a CH 165 5825MHz		5825	103.57	-	-	89.08	34.77	12.32	32.6	230	25	P	H
		5825	96.79	-	-	82.3	34.77	12.32	32.6	230	25	A	H
		5850	59.72	-62.48	122.2	45.2	34.8	12.32	32.6	230	25	P	H
		5857.4	56.13	-54	110.13	41.54	34.87	12.32	32.6	230	25	P	H
		5881	53.2	-47.54	100.74	38.54	34.93	12.33	32.6	230	25	P	H
		5941.8	53.18	-15.12	68.3	38.34	35.1	12.34	32.6	230	25	P	H
		5825	103.72	-	-	89.23	34.77	12.32	32.6	269	90	P	V
		5825	97.06	-	-	82.57	34.77	12.32	32.6	269	90	A	V
		5850.8	62.15	-58.23	120.38	47.63	34.8	12.32	32.6	269	90	P	V
		5855.4	56.84	-53.85	110.69	42.25	34.87	12.32	32.6	269	90	P	V
		5885.6	53.59	-43.74	97.33	38.93	34.93	12.33	32.6	269	90	P	V
		5928.8	53.6	-14.7	68.3	38.79	35.07	12.34	32.6	269	90	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	51.59	-22.41	74	47.88	38.19	16.53	51.01	-	-	P	H
		17235	50.85	-17.45	68.3	43.94	41.86	18.46	53.41	-	-	P	H
		11490	51.07	-22.93	74	47.36	38.19	16.53	51.01	-	-	P	V
		17235	50.64	-17.66	68.3	43.73	41.86	18.46	53.41	-	-	P	V
802.11a CH 157 5785MHz		11570	50.33	-23.67	74	46.51	38.26	16.55	50.99	-	-	P	H
		17355	50.81	-17.49	68.3	43.89	41.74	18.5	53.32	-	-	P	H
		11570	50.81	-23.19	74	46.99	38.26	16.55	50.99	-	-	P	V
		17355	51.36	-16.94	68.3	44.44	41.74	18.5	53.32	-	-	P	V
802.11a CH 165 5825MHz		11650	50.15	-23.85	74	46.23	38.32	16.57	50.97	-	-	P	H
		17475	50.24	-18.06	68.3	43.29	41.63	18.55	53.23	-	-	P	H
		11650	50.77	-23.23	74	46.85	38.32	16.57	50.97	-	-	P	V
		17475	50.52	-17.78	68.3	43.57	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 149 5745MHz		5605.6	53.31	-14.99	68.3	39.34	34.3	12.27	32.6	361	26	P	H
		5699.4	56.01	-48.75	104.76	41.92	34.4	12.29	32.6	361	26	P	H
		5719.8	67.25	-43.49	110.74	53.09	34.47	12.29	32.6	361	26	P	H
		5723.2	71.42	-46.68	118.1	57.26	34.47	12.29	32.6	361	26	P	H
		5745	105.85	-	-	91.65	34.5	12.3	32.6	361	26	P	H
		5745	98.34	-	-	84.14	34.5	12.3	32.6	361	26	A	H
		5639.4	53.08	-15.22	68.3	39.03	34.37	12.28	32.6	288	95	P	V
		5654.4	53.69	-17.87	71.56	39.61	34.4	12.28	32.6	288	95	P	V
		5719.8	65.37	-45.37	110.74	51.21	34.47	12.29	32.6	288	95	P	V
		5723	70.15	-47.49	117.64	55.99	34.47	12.29	32.6	288	95	P	V
		5745	103.48	-	-	89.28	34.5	12.3	32.6	288	95	P	V
		5745	96.41	-	-	82.21	34.5	12.3	32.6	288	95	A	V
802.11n HT20 CH 157 5785MHz		5649.4	52.91	-15.39	68.3	38.86	34.37	12.28	32.6	373	29	P	H
		5699.2	52.72	-51.89	104.61	38.63	34.4	12.29	32.6	373	29	P	H
		5706	52.7	-54.18	106.88	38.58	34.43	12.29	32.6	373	29	P	H
		5724.4	52.18	-68.65	120.83	38.02	34.47	12.29	32.6	373	29	P	H
		5785	104.64	-	-	90.3	34.63	12.31	32.6	373	29	P	H
		5785	97.79	-	-	83.45	34.63	12.31	32.6	373	29	A	H
		5852.2	52.54	-64.64	117.18	38.02	34.8	12.32	32.6	373	29	P	H
		5867.4	52.44	-54.89	107.33	37.85	34.87	12.32	32.6	373	29	P	H
		5902.4	53.5	-31.39	84.89	38.77	35	12.33	32.6	373	29	P	H
		5932.8	52.86	-15.44	68.3	38.05	35.07	12.34	32.6	373	29	P	H
		5639.6	53.44	-14.86	68.3	39.39	34.37	12.28	32.6	282	96	P	V
		5669	52.99	-29.37	82.36	38.91	34.4	12.28	32.6	282	96	P	V
		5715.6	53.11	-56.46	109.57	38.99	34.43	12.29	32.6	282	96	P	V
		5724.8	53.34	-68.4	121.74	39.18	34.47	12.29	32.6	282	96	P	V
		5785	104.02	-	-	89.68	34.63	12.31	32.6	282	96	P	V
		5785	96.51	-	-	82.17	34.63	12.31	32.6	282	96	A	V



WIFI Ant. 1	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)
802.11n		5850.6	52.96	-67.87	120.83	38.44	34.8	12.32	32.6	282	96	P	V
HT20		5872.2	53.32	-52.66	105.98	38.67	34.93	12.32	32.6	282	96	P	V
CH 157		5882	53.81	-46.19	100	39.15	34.93	12.33	32.6	282	96	P	V
5785MHz		5936.4	53.81	-14.49	68.3	39	35.07	12.34	32.6	282	96	P	V
802.11n HT20 CH 165 5825MHz		5824	104.94	-	-	90.46	34.77	12.31	32.6	216	348	P	H
		5824	97.73	-	-	83.25	34.77	12.31	32.6	216	348	A	H
		5853.4	64.04	-50.41	114.45	49.52	34.8	12.32	32.6	216	348	P	H
		5856	61.56	-48.96	110.52	46.97	34.87	12.32	32.6	216	348	P	H
		5911.8	54.33	-23.61	77.94	39.57	35.03	12.33	32.6	216	348	P	H
		5947.6	53.3	-15	68.3	38.46	35.1	12.34	32.6	216	348	P	H
		5825	104.58	-	-	90.09	34.77	12.32	32.6	258	95	P	V
		5825	97.64	-	-	83.15	34.77	12.32	32.6	258	95	A	V
		5850.4	62.7	-58.59	121.29	48.18	34.8	12.32	32.6	258	95	P	V
		5861	56.85	-52.27	109.12	42.26	34.87	12.32	32.6	258	95	P	V
		5882.6	53.72	-45.84	99.56	39.06	34.93	12.33	32.6	258	95	P	V
		5943.8	53.29	-15.01	68.3	38.45	35.1	12.34	32.6	258	95	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT20 CH 149 5745MHz		11490	50.04	-23.96	74	46.33	38.19	16.53	51.01	-	-	P	H
		17235	50.39	-17.91	68.3	43.48	41.86	18.46	53.41	-	-	P	H
		11490	50.19	-23.81	74	46.48	38.19	16.53	51.01	-	-	P	V
		17235	50.56	-17.74	68.3	43.65	41.86	18.46	53.41	-	-	P	V
802.11n HT20 CH 157 5785MHz		11570	50.47	-23.53	74	46.65	38.26	16.55	50.99	-	-	P	H
		17355	50.26	-18.04	68.3	43.34	41.74	18.5	53.32	-	-	P	H
		11570	50.12	-23.88	74	46.3	38.26	16.55	50.99	-	-	P	V
		17355	50.7	-17.6	68.3	43.78	41.74	18.5	53.32	-	-	P	V
802.11n HT20 CH 165 5825MHz		11650	50.9	-23.1	74	46.98	38.32	16.57	50.97	-	-	P	H
		17475	50.86	-17.44	68.3	43.91	41.63	18.55	53.23	-	-	P	H
		11650	50.71	-23.29	74	46.79	38.32	16.57	50.97	-	-	P	V
		17475	50.37	-17.93	68.3	43.42	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 151 5755MHz		5642.8	53.76	-14.54	68.3	39.71	34.37	12.28	32.6	132	161	P	H
		5698.2	58.48	-45.4	103.88	44.39	34.4	12.29	32.6	132	161	P	H
		5719.8	72.76	-37.98	110.74	58.6	34.47	12.29	32.6	132	161	P	H
		5723	75.03	-42.61	117.64	60.87	34.47	12.29	32.6	132	161	P	H
		5755	101.52	-	-	87.25	34.57	12.3	32.6	132	161	P	H
		5755	94.63	-	-	80.36	34.57	12.3	32.6	132	161	A	H
		5851.6	53.31	-65.24	118.55	38.79	34.8	12.32	32.6	132	161	P	H
		5867	53.07	-54.37	107.44	38.48	34.87	12.32	32.6	132	161	P	H
		5908.4	52.75	-27.7	80.45	37.99	35.03	12.33	32.6	132	161	P	H
		5942.6	53.37	-14.93	68.3	38.53	35.1	12.34	32.6	132	161	P	H
		5635.8	54.29	-14.01	68.3	40.24	34.37	12.28	32.6	273	96	P	V
		5698	58.3	-45.43	103.73	44.21	34.4	12.29	32.6	273	96	P	V
		5719.6	72.21	-38.48	110.69	58.05	34.47	12.29	32.6	273	96	P	V
		5723	74.31	-43.33	117.64	60.15	34.47	12.29	32.6	273	96	P	V
		5755	101.65	-	-	87.38	34.57	12.3	32.6	273	96	P	V
		5755	94.65	-	-	80.38	34.57	12.3	32.6	273	96	A	V
		5853.4	52.92	-61.53	114.45	38.4	34.8	12.32	32.6	273	96	P	V
		5857.4	53.55	-56.58	110.13	38.96	34.87	12.32	32.6	273	96	P	V
		5892.4	53.71	-38.58	92.29	38.98	35	12.33	32.6	273	96	P	V
		5949.6	53.42	-14.88	68.3	38.58	35.1	12.34	32.6	273	96	P	V



WIFI Ant. 1	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)
802.11n HT40 CH 159 5795MHz		5647.2	53.41	-14.89	68.3	39.36	34.37	12.28	32.6	218	201	P	H
		5681	53.17	-38.05	91.22	39.08	34.4	12.29	32.6	218	201	P	H
		5717	54.06	-55.9	109.96	39.94	34.43	12.29	32.6	218	201	P	H
		5724.2	54.28	-66.1	120.38	40.12	34.47	12.29	32.6	218	201	P	H
		5795	102.64	-	-	88.23	34.7	12.31	32.6	218	201	P	H
		5795	96.33	-	-	81.92	34.7	12.31	32.6	218	201	A	H
		5850.6	53.44	-67.39	120.83	38.92	34.8	12.32	32.6	218	201	P	H
		5859.6	54.18	-55.33	109.51	39.59	34.87	12.32	32.6	218	201	P	H
		5884.8	53.33	-44.59	97.92	38.67	34.93	12.33	32.6	218	201	P	H
		5942.2	54.23	-14.07	68.3	39.39	35.1	12.34	32.6	218	201	P	H
		5600.2	53.21	-15.09	68.3	39.24	34.3	12.27	32.6	305	88	P	V
		5652.4	53.35	-16.73	70.08	39.27	34.4	12.28	32.6	305	88	P	V
		5714.6	54.16	-55.13	109.29	40.04	34.43	12.29	32.6	305	88	P	V
		5721.8	53.51	-61.39	114.9	39.35	34.47	12.29	32.6	305	88	P	V
		5795	102.88	-	-	88.47	34.7	12.31	32.6	305	88	P	V
		5795	96.72	-	-	82.31	34.7	12.31	32.6	305	88	A	V
		5850	57.72	-64.48	122.2	43.2	34.8	12.32	32.6	305	88	P	V
		5856.2	57.43	-53.03	110.46	42.84	34.87	12.32	32.6	305	88	P	V
		5902.8	54.05	-30.54	84.59	39.32	35	12.33	32.6	305	88	P	V
		5935.4	53.59	-14.71	68.3	38.78	35.07	12.34	32.6	305	88	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												


Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11n HT40 CH 151 5755MHz		11510	50.55	-23.45	74	46.81	38.21	16.53	51	-	-	P	H
		17265	50.58	-17.72	68.3	43.67	41.83	18.47	53.39	-	-	P	H
		11510	50.41	-23.59	74	46.67	38.21	16.53	51	-	-	P	V
		17265	50.04	-18.26	68.3	43.13	41.83	18.47	53.39	-	-	P	V
802.11n HT40 CH 159 5795MHz		11590	50.48	-23.52	74	46.63	38.27	16.56	50.98	-	-	P	H
		17385	50.1	-18.2	68.3	43.17	41.71	18.51	53.29	-	-	P	H
		11590	51.36	-22.64	74	47.51	38.27	16.56	50.98	-	-	P	V
		17385	50.07	-18.23	68.3	43.14	41.71	18.51	53.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11ac VHT80 CH 155 5775MHz		5646.8	53.63	-14.67	68.3	39.58	34.37	12.28	32.6	209	199	P	H
		5696.8	63.73	-39.12	102.85	49.64	34.4	12.29	32.6	209	199	P	H
		5704.4	65.6	-40.83	106.43	51.48	34.43	12.29	32.6	209	199	P	H
		5723.8	66.69	-52.77	119.46	52.53	34.47	12.29	32.6	209	199	P	H
		5775	98.09	-	-	83.75	34.63	12.31	32.6	209	199	P	H
		5775	91.99	-	-	77.65	34.63	12.31	32.6	209	199	A	H
		5851.6	61.66	-56.89	118.55	47.14	34.8	12.32	32.6	209	199	P	H
		5858.8	59.53	-50.2	109.73	44.94	34.87	12.32	32.6	209	199	P	H
		5881.4	55.57	-44.88	100.45	40.91	34.93	12.33	32.6	209	199	P	H
		5947.4	54.08	-14.22	68.3	39.24	35.1	12.34	32.6	209	199	P	H
		5647	53.74	-14.56	68.3	39.69	34.37	12.28	32.6	306	93	P	V
		5695.6	63.81	-38.16	101.97	49.72	34.4	12.29	32.6	306	93	P	V
		5713.4	65.52	-43.43	108.95	51.4	34.43	12.29	32.6	306	93	P	V
		5723.6	65.69	-53.32	119.01	51.53	34.47	12.29	32.6	306	93	P	V
		5775	98.64	-	-	84.3	34.63	12.31	32.6	306	93	P	V
		5775	92.32	-	-	77.98	34.63	12.31	32.6	306	93	A	V
		5850.4	62.47	-58.82	121.29	47.95	34.8	12.32	32.6	306	93	P	V
		5856	60.62	-49.9	110.52	46.03	34.87	12.32	32.6	306	93	P	V
		5877.6	55.74	-47.53	103.27	41.08	34.93	12.33	32.6	306	93	P	V
		5936	53.68	-14.62	68.3	38.87	35.07	12.34	32.6	306	93	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	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)
802.11ac		11550	50.24	-23.76	74	46.44	38.25	16.54	50.99	-	-	P	H
VHT80		17325	50.82	-17.48	68.3	43.9	41.78	18.49	53.35	-	-	P	H
CH 155		11550	50.05	-23.95	74	46.25	38.25	16.54	50.99	-	-	P	V
5775MHz		17325	50.28	-18.02	68.3	43.36	41.78	18.49	53.35	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 - 5725~5850MHz

WIFI 802.11ax HE20 (Band Edge @ 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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 149 5745MHz		5610.8	53.34	-14.96	68.3	39.37	34.3	12.27	32.6	133	165	P	H
		5664.2	53.92	-24.89	78.81	39.84	34.4	12.28	32.6	133	165	P	H
		5719.6	64.42	-46.27	110.69	50.26	34.47	12.29	32.6	133	165	P	H
		5725	71.06	-51.14	122.2	56.89	34.47	12.3	32.6	133	165	P	H
		5745	105.34	-	-	91.14	34.5	12.3	32.6	133	165	P	H
		5745	98.35	-	-	84.15	34.5	12.3	32.6	133	165	A	H
		5614.6	53.22	-15.08	68.3	39.25	34.3	12.27	32.6	278	98	P	V
		5696	56.08	-46.18	102.26	41.99	34.4	12.29	32.6	278	98	P	V
		5719.8	63.55	-47.19	110.74	49.39	34.47	12.29	32.6	278	98	P	V
		5724.2	70.2	-50.18	120.38	56.04	34.47	12.29	32.6	278	98	P	V
		5745	103.24	-	-	89.04	34.5	12.3	32.6	278	98	P	V
		5745	96.34	-	-	82.14	34.5	12.3	32.6	278	98	A	V
802.11ax HE20 Full CH 157 5785MHz		5618.6	53.56	-14.74	68.3	39.56	34.33	12.27	32.6	171	199	P	H
		5680.2	53.61	-37.02	90.63	39.52	34.4	12.29	32.6	171	199	P	H
		5700.8	53.41	-52.01	105.42	39.29	34.43	12.29	32.6	171	199	P	H
		5720.8	53.37	-59.25	112.62	39.21	34.47	12.29	32.6	171	199	P	H
		5785	102.66	-	-	88.32	34.63	12.31	32.6	171	199	P	H
		5785	95.59	-	-	81.25	34.63	12.31	32.6	171	199	A	H
		5854.8	52.77	-58.49	111.26	38.18	34.87	12.32	32.6	171	199	P	H
		5874.8	52.67	-52.59	105.26	38.02	34.93	12.32	32.6	171	199	P	H
		5923.6	53.71	-15.52	69.23	38.91	35.07	12.33	32.6	171	199	P	H
		5947.6	53.45	-14.85	68.3	38.61	35.1	12.34	32.6	171	199	P	H
		5612	52.3	-16	68.3	38.33	34.3	12.27	32.6	275	89	P	V
		5658.4	53.41	-21.11	74.52	39.33	34.4	12.28	32.6	275	89	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 157 5785MHz		5714.4	52.08	-57.15	109.23	37.96	34.43	12.29	32.6	275	89	P	V
		5722.4	52.31	-63.96	116.27	38.15	34.47	12.29	32.6	275	89	P	V
		5785	103.28	-	-	88.94	34.63	12.31	32.6	275	89	P	V
		5785	97.13	-	-	82.79	34.63	12.31	32.6	275	89	A	V
		5850.4	53.21	-68.08	121.29	38.69	34.8	12.32	32.6	275	89	P	V
		5858	52.99	-56.97	109.96	38.4	34.87	12.32	32.6	275	89	P	V
		5879.4	53.98	-47.95	101.93	39.32	34.93	12.33	32.6	275	89	P	V
		5944.8	53.96	-14.34	68.3	39.12	35.1	12.34	32.6	275	89	P	V
802.11ax HE20 Full CH 165 5825MHz		5825	105.22	-	-	90.73	34.77	12.32	32.6	133	167	P	H
		5825	99.04	-	-	84.55	34.77	12.32	32.6	133	167	A	H
		5850	62.72	-59.48	122.2	48.2	34.8	12.32	32.6	133	167	P	H
		5862.2	55.79	-52.99	108.78	41.2	34.87	12.32	32.6	133	167	P	H
		5876.6	54.29	-49.72	104.01	39.63	34.93	12.33	32.6	133	167	P	H
		5949	53.6	-14.7	68.3	38.76	35.1	12.34	32.6	133	167	P	H
		5825	104.3	-	-	89.81	34.77	12.32	32.6	309	88	P	V
		5825	98.12	-	-	83.63	34.77	12.32	32.6	309	88	A	V
		5850.2	59.16	-62.58	121.74	44.64	34.8	12.32	32.6	309	88	P	V
		5859.4	55.54	-54.03	109.57	40.95	34.87	12.32	32.6	309	88	P	V
		5881.4	52.84	-47.61	100.45	38.18	34.93	12.33	32.6	309	88	P	V
		5943.4	53.43	-14.87	68.3	38.59	35.1	12.34	32.6	309	88	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE20_Partial 26 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11490	50.25	-23.75	74	46.54	38.19	16.53	51.01	-	-	P	H
HE20 Full		17235	50.5	-17.8	68.3	43.59	41.86	18.46	53.41	-	-	P	H
CH 149		11490	50.63	-23.37	74	46.92	38.19	16.53	51.01	-	-	P	V
5745MHz		17235	50.26	-18.04	68.3	43.35	41.86	18.46	53.41	-	-	P	V
802.11ax		11570	50.96	-23.04	74	47.14	38.26	16.55	50.99	-	-	P	H
HE20 Full		17355	50.99	-17.31	68.3	44.07	41.74	18.5	53.32	-	-	P	H
CH 157		11570	50.07	-23.93	74	46.25	38.26	16.55	50.99	-	-	P	V
5785MHz		17355	50.93	-17.37	68.3	44.01	41.74	18.5	53.32	-	-	P	V
802.11ax		11650	50.23	-23.77	74	46.31	38.32	16.57	50.97	-	-	P	H
HE20 Full		17475	50.33	-17.97	68.3	43.38	41.63	18.55	53.23	-	-	P	H
CH 165		11650	50.48	-23.52	74	46.56	38.32	16.57	50.97	-	-	P	V
5825MHz		17475	50.61	-17.69	68.3	43.66	41.63	18.55	53.23	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 151 5755MHz		5639.2	53.06	-15.24	68.3	39.01	34.37	12.28	32.6	133	163	P	H
		5698.8	57.42	-46.9	104.32	43.33	34.4	12.29	32.6	133	163	P	H
		5714.8	64.74	-44.61	109.35	50.62	34.43	12.29	32.6	133	163	P	H
		5724.8	69.47	-52.27	121.74	55.31	34.47	12.29	32.6	133	163	P	H
		5755	102.55	-	-	88.28	34.57	12.3	32.6	133	163	P	H
		5755	96.24	-	-	81.97	34.57	12.3	32.6	133	163	A	H
		5852.4	52.61	-64.12	116.73	38.09	34.8	12.32	32.6	133	163	P	H
		5859.2	53.49	-56.13	109.62	38.9	34.87	12.32	32.6	133	163	P	H
		5901.4	53.72	-31.9	85.62	38.99	35	12.33	32.6	133	163	P	H
		5934.4	53.47	-14.83	68.3	38.66	35.07	12.34	32.6	133	163	P	H
		5605.6	54.56	-13.74	68.3	40.59	34.3	12.27	32.6	278	93	P	V
		5699.4	57.42	-47.34	104.76	43.33	34.4	12.29	32.6	278	93	P	V
		5720	66.86	-43.94	110.8	52.7	34.47	12.29	32.6	278	93	P	V
		5722.8	69.78	-47.4	117.18	55.62	34.47	12.29	32.6	278	93	P	V
		5755	103.15	-	-	88.88	34.57	12.3	32.6	278	93	P	V
		5755	96.94	-	-	82.67	34.57	12.3	32.6	278	93	A	V
		5850	52.92	-69.28	122.2	38.4	34.8	12.32	32.6	278	93	P	V
		5857.8	53.86	-56.15	110.01	39.27	34.87	12.32	32.6	278	93	P	V
		5918	53.58	-19.78	73.36	38.82	35.03	12.33	32.6	278	93	P	V
		5932.4	54.15	-14.15	68.3	39.34	35.07	12.34	32.6	278	93	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 159 5795MHz		5647.2	53.41	-14.89	68.3	39.36	34.37	12.28	32.6	218	201	P	H
		5681	53.17	-38.05	91.22	39.08	34.4	12.29	32.6	218	201	P	H
		5717	54.06	-55.9	109.96	39.94	34.43	12.29	32.6	218	201	P	H
		5724.2	54.28	-66.1	120.38	40.12	34.47	12.29	32.6	218	201	P	H
		5795	102.64	-	-	88.23	34.7	12.31	32.6	218	201	P	H
		5795	96.33	-	-	81.92	34.7	12.31	32.6	218	201	A	H
		5850.6	53.44	-67.39	120.83	38.92	34.8	12.32	32.6	218	201	P	H
		5859.6	54.18	-55.33	109.51	39.59	34.87	12.32	32.6	218	201	P	H
		5884.8	53.33	-44.59	97.92	38.67	34.93	12.33	32.6	218	201	P	H
		5942.2	54.23	-14.07	68.3	39.39	35.1	12.34	32.6	218	201	P	H
		5600.2	53.21	-15.09	68.3	39.24	34.3	12.27	32.6	305	88	P	V
		5652.4	53.35	-16.73	70.08	39.27	34.4	12.28	32.6	305	88	P	V
		5714.6	54.16	-55.13	109.29	40.04	34.43	12.29	32.6	305	88	P	V
		5721.8	53.51	-61.39	114.9	39.35	34.47	12.29	32.6	305	88	P	V
		5795	102.88	-	-	88.47	34.7	12.31	32.6	305	88	P	V
		5795	96.72	-	-	82.31	34.7	12.31	32.6	305	88	A	V
		5850	57.72	-64.48	122.2	43.2	34.8	12.32	32.6	305	88	P	V
		5856.2	57.43	-53.03	110.46	42.84	34.87	12.32	32.6	305	88	P	V
		5902.8	54.05	-30.54	84.59	39.32	35	12.33	32.6	305	88	P	V
		5935.4	53.59	-14.71	68.3	38.78	35.07	12.34	32.6	305	88	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE40_Full (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11510	50.71	-23.29	74	46.97	38.21	16.53	51	-	-	P	H
HE40 Full		17265	50.87	-17.43	68.3	43.96	41.83	18.47	53.39	-	-	P	H
CH 151		11510	50.89	-23.11	74	47.15	38.21	16.53	51	-	-	P	V
5755MHz		17265	50.25	-18.05	68.3	43.34	41.83	18.47	53.39	-	-	P	V
802.11ax		11590	50.48	-23.52	74	46.63	38.27	16.56	50.98	-	-	P	H
HE40 Full		17385	50.1	-18.2	68.3	43.17	41.71	18.51	53.29	-	-	P	H
CH 159		11590	51.36	-22.64	74	47.51	38.27	16.56	50.98	-	-	P	V
5795MHz		17385	50.07	-18.23	68.3	43.14	41.71	18.51	53.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 155 5775MHz		5646.8	53.63	-14.67	68.3	39.58	34.37	12.28	32.6	209	199	P	H
		5696.8	63.73	-39.12	102.85	49.64	34.4	12.29	32.6	209	199	P	H
		5704.4	65.6	-40.83	106.43	51.48	34.43	12.29	32.6	209	199	P	H
		5723.8	66.69	-52.77	119.46	52.53	34.47	12.29	32.6	209	199	P	H
		5775	98.09	-	-	83.75	34.63	12.31	32.6	209	199	P	H
		5775	91.99	-	-	77.65	34.63	12.31	32.6	209	199	A	H
		5851.6	61.66	-56.89	118.55	47.14	34.8	12.32	32.6	209	199	P	H
		5858.8	59.53	-50.2	109.73	44.94	34.87	12.32	32.6	209	199	P	H
		5881.4	55.57	-44.88	100.45	40.91	34.93	12.33	32.6	209	199	P	H
		5947.4	54.08	-14.22	68.3	39.24	35.1	12.34	32.6	209	199	P	H
		5647	53.74	-14.56	68.3	39.69	34.37	12.28	32.6	306	93	P	V
		5695.6	63.81	-38.16	101.97	49.72	34.4	12.29	32.6	306	93	P	V
		5713.4	65.52	-43.43	108.95	51.4	34.43	12.29	32.6	306	93	P	V
		5723.6	65.69	-53.32	119.01	51.53	34.47	12.29	32.6	306	93	P	V
		5775	98.64	-	-	84.3	34.63	12.31	32.6	306	93	P	V
		5775	92.32	-	-	77.98	34.63	12.31	32.6	306	93	A	V
		5850.4	62.47	-58.82	121.29	47.95	34.8	12.32	32.6	306	93	P	V
		5856	60.62	-49.9	110.52	46.03	34.87	12.32	32.6	306	93	P	V
		5877.6	55.74	-47.53	103.27	41.08	34.93	12.33	32.6	306	93	P	V
		5936	53.68	-14.62	68.3	38.87	35.07	12.34	32.6	306	93	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 4 5725~5850MHz****WIFI 802.11ax HE80_Full (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		11550	50.24	-23.76	74	46.44	38.25	16.54	50.99	-	-	P	H
HE80 Full		17325	50.82	-17.48	68.3	43.9	41.78	18.49	53.35	-	-	P	H
CH 155		11550	50.05	-23.95	74	46.25	38.25	16.54	50.99	-	-	P	V
5775MHz		17325	50.28	-18.02	68.3	43.36	41.78	18.49	53.35	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 - 5725~5850MHz

WIFI 802.11ax HE20_Partial 106 (Band Edge @ 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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Partial 106/53 CH 149 5745MHz		5642	54.33	-13.97	68.3	40.28	34.37	12.28	32.6	234	199	P	H
		5681.8	54.28	-37.53	91.81	40.19	34.4	12.29	32.6	234	199	P	H
		5719.2	58.39	-52.19	110.58	44.23	34.47	12.29	32.6	234	199	P	H
		5725	73.21	-48.99	122.2	59.04	34.47	12.3	32.6	234	199	P	H
		5745	105.52	-	-	91.32	34.5	12.3	32.6	234	199	P	H
		5745	98.46	-	-	84.26	34.5	12.3	32.6	234	199	A	H
		5602.8	53.29	-15.01	68.3	39.32	34.3	12.27	32.6	263	94	P	V
		5684.8	53.35	-40.67	94.02	39.26	34.4	12.29	32.6	263	94	P	V
		5720	58.6	-52.2	110.8	44.44	34.47	12.29	32.6	263	94	P	V
		5725	69.32	-52.88	122.2	55.15	34.47	12.3	32.6	263	94	P	V
		5745	106.38	-	-	92.18	34.5	12.3	32.6	263	94	P	V
		5745	99.86	-	-	85.66	34.5	12.3	32.6	263	94	A	V
802.11ax HE20 Partial 106/54 CH 165 5825MHz		5825	107.26	-	-	92.77	34.77	12.32	32.6	207	352	P	H
		5825	101.09	-	-	86.6	34.77	12.32	32.6	207	352	A	H
		5850.4	59.39	-61.9	121.29	44.87	34.8	12.32	32.6	207	352	P	H
		5857.4	55.38	-54.75	110.13	40.79	34.87	12.32	32.6	207	352	P	H
		5921.2	54.16	-16.84	71	39.4	35.03	12.33	32.6	207	352	P	H
		5930.8	53.81	-14.49	68.3	39	35.07	12.34	32.6	207	352	P	H
		5825	107.4	-	-	92.91	34.77	12.32	32.6	393	99	P	V
		5825	101.27	-	-	86.78	34.77	12.32	32.6	393	99	A	V
		5851.2	55.66	-63.8	119.46	41.14	34.8	12.32	32.6	393	99	P	V
		5855.4	58.02	-52.67	110.69	43.43	34.87	12.32	32.6	393	99	P	V
		5921.2	54.07	-16.93	71	39.31	35.03	12.33	32.6	393	99	P	V
		5947	53.72	-14.58	68.3	38.88	35.1	12.34	32.6	393	99	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 262/61 CH 151 5755MHz		5650	53.72	-14.58	68.3	39.64	34.4	12.28	32.6	203	358	P	H
		5652	52.85	-16.93	69.78	38.77	34.4	12.28	32.6	203	358	P	H
		5720	63.69	-47.11	110.8	49.53	34.47	12.29	32.6	203	358	P	H
		5723	65.37	-52.27	117.64	51.21	34.47	12.29	32.6	203	358	P	H
		5755	104.07	-	-	89.8	34.57	12.3	32.6	203	358	P	H
		5755	97.94	-	-	83.67	34.57	12.3	32.6	203	358	A	H
		5854.6	53.8	-57.91	111.71	39.21	34.87	12.32	32.6	203	358	P	H
		5868.6	52.93	-54.06	106.99	38.34	34.87	12.32	32.6	203	358	P	H
		5909.6	53.68	-25.88	79.56	38.92	35.03	12.33	32.6	203	358	P	H
		5928.4	52.74	-15.56	68.3	37.93	35.07	12.34	32.6	203	358	P	H
		5602.2	52.7	-15.6	68.3	38.73	34.3	12.27	32.6	387	91	P	V
		5699.2	53.16	-51.45	104.61	39.07	34.4	12.29	32.6	387	91	P	V
		5719.2	61.24	-49.34	110.58	47.08	34.47	12.29	32.6	387	91	P	V
		5725	65.33	-56.87	122.2	51.16	34.47	12.3	32.6	387	91	P	V
		5755	105.63	-	-	91.36	34.57	12.3	32.6	387	91	P	V
		5755	99.54	-	-	85.27	34.57	12.3	32.6	387	91	A	V
		5852.8	52	-63.82	115.82	37.48	34.8	12.32	32.6	387	91	P	V
		5873.2	52.35	-53.35	105.7	37.7	34.93	12.32	32.6	387	91	P	V
		5921	52.78	-18.37	71.15	38.02	35.03	12.33	32.6	387	91	P	V
		5949	53.02	-15.28	68.3	38.18	35.1	12.34	32.6	387	91	P	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 262/62 CH 159 5795MHz		5643.2	52.73	-15.57	68.3	38.68	34.37	12.28	32.6	205	356	P	H
		5653.8	53.68	-17.44	71.12	39.6	34.4	12.28	32.6	205	356	P	H
		5714	52.81	-56.31	109.12	38.69	34.43	12.29	32.6	205	356	P	H
		5722.8	52.66	-64.52	117.18	38.5	34.47	12.29	32.6	205	356	P	H
		5795	104.84	-	-	90.43	34.7	12.31	32.6	205	356	P	H
		5795	98.72	-	-	84.31	34.7	12.31	32.6	205	356	A	H
		5852.8	54.48	-61.34	115.82	39.96	34.8	12.32	32.6	205	356	P	H
		5856.8	53.92	-56.38	110.3	39.33	34.87	12.32	32.6	205	356	P	H
		5913.8	52.95	-23.51	76.46	38.19	35.03	12.33	32.6	205	356	P	H
		5946.2	54.03	-14.27	68.3	39.19	35.1	12.34	32.6	205	356	P	H
		5616.8	53.41	-14.89	68.3	39.41	34.33	12.27	32.6	384	92	P	V
		5671.4	53.66	-30.47	84.13	39.58	34.4	12.28	32.6	384	92	P	V
		5702	52.54	-53.22	105.76	38.42	34.43	12.29	32.6	384	92	P	V
		5721.8	52.24	-62.66	114.9	38.08	34.47	12.29	32.6	384	92	P	V
		5795	104.33	-	-	89.92	34.7	12.31	32.6	384	92	P	V
		5795	98.19	-	-	83.78	34.7	12.31	32.6	384	92	A	V
		5853.2	53.79	-61.11	114.9	39.27	34.8	12.32	32.6	384	92	P	V
		5874.2	53.23	-52.19	105.42	38.58	34.93	12.32	32.6	384	92	P	V
		5876.8	54.72	-49.14	103.86	40.06	34.93	12.33	32.6	384	92	P	V
		5931	54	-14.3	68.3	39.19	35.07	12.34	32.6	384	92	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ax HE80_Partial 484 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/65 CH 155 5775MHz		5633	53	-15.3	68.3	38.95	34.37	12.28	32.6	202	357	P	H
		5697	60.4	-42.6	103	46.31	34.4	12.29	32.6	202	357	P	H
		5717.2	66.42	-43.6	110.02	52.3	34.43	12.29	32.6	202	357	P	H
		5722	66.81	-48.55	115.36	52.65	34.47	12.29	32.6	202	357	P	H
		5775	101.3	-	-	86.96	34.63	12.31	32.6	202	357	P	H
		5775	95.2	-	-	80.86	34.63	12.31	32.6	202	357	A	H
		5855	52.78	-58.02	110.8	38.19	34.87	12.32	32.6	202	357	P	H
		5865.4	55.53	-52.36	107.89	40.94	34.87	12.32	32.6	202	357	P	H
		5904	53.34	-30.36	83.7	38.61	35	12.33	32.6	202	357	P	H
		5925.6	53.52	-14.78	68.3	38.71	35.07	12.34	32.6	202	357	P	H
		5612.8	52.81	-15.49	68.3	38.84	34.3	12.27	32.6	373	92	P	V
		5698.8	55.6	-48.72	104.32	41.51	34.4	12.29	32.6	373	92	P	V
		5718.2	64.11	-46.19	110.3	49.95	34.47	12.29	32.6	373	92	P	V
		5723.8	71.9	-47.56	119.46	57.74	34.47	12.29	32.6	373	92	P	V
		5775	102.01	-	-	87.67	34.63	12.31	32.6	373	92	P	V
		5775	95.86	-	-	81.52	34.63	12.31	32.6	373	92	A	V
		5851.4	53.05	-65.96	119.01	38.53	34.8	12.32	32.6	373	92	P	V
		5858	52.74	-57.22	109.96	38.15	34.87	12.32	32.6	373	92	P	V
		5909.6	52.75	-26.81	79.56	37.99	35.03	12.33	32.6	373	92	P	V
		5931.4	52.77	-15.53	68.3	37.96	35.07	12.34	32.6	373	92	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial 484/66 CH 155 5775MHz		5630.8	53.2	-15.1	68.3	39.19	34.33	12.28	32.6	200	353	P	H
		5698.2	54.49	-49.39	103.88	40.4	34.4	12.29	32.6	200	353	P	H
		5717.8	56.4	-53.78	110.18	42.24	34.47	12.29	32.6	200	353	P	H
		5720	55.11	-55.69	110.8	40.95	34.47	12.29	32.6	200	353	P	H
		5775	101.61	-	-	87.27	34.63	12.31	32.6	200	353	P	H
		5775	95.53	-	-	81.19	34.63	12.31	32.6	200	353	A	H
		5855	56.63	-54.17	110.8	42.04	34.87	12.32	32.6	200	353	P	H
		5874.2	58.7	-46.72	105.42	44.05	34.93	12.32	32.6	200	353	P	H
		5881.4	58.04	-42.41	100.45	43.38	34.93	12.33	32.6	200	353	P	H
		5925.2	53.96	-14.34	68.3	39.15	35.07	12.34	32.6	200	353	P	H
		5632.2	53.31	-14.99	68.3	39.3	34.33	12.28	32.6	384	90	P	V
		5700	53.39	-51.81	105.2	39.3	34.4	12.29	32.6	384	90	P	V
		5718	55.84	-54.4	110.24	41.68	34.47	12.29	32.6	384	90	P	V
		5721.4	53.89	-60.1	113.99	39.73	34.47	12.29	32.6	384	90	P	V
		5775	101.02	-	-	86.68	34.63	12.31	32.6	384	90	P	V
		5775	94.91	-	-	80.57	34.63	12.31	32.6	384	90	A	V
		5855	58.12	-52.68	110.8	43.53	34.87	12.32	32.6	384	90	P	V
		5855	58.12	-52.68	110.8	43.53	34.87	12.32	32.6	384	90	P	V
		5875.4	53.42	-51.48	104.9	38.76	34.93	12.33	32.6	384	90	P	V
		5943.6	53	-15.3	68.3	38.16	35.1	12.34	32.6	384	90	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

WIFI Ant. 1	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)
5GHz 802.11ac VHT80 LF		30	24.22	-15.78	40	30.23	25.86	0.53	32.4	-	-	P	H
		55.22	20.25	-19.75	40	38.7	13.21	0.74	32.4	-	-	P	H
		97.9	20.46	-23.04	43.5	35.74	15.87	1	32.15	-	-	P	H
		191.02	19.55	-23.95	43.5	34.82	15.45	1.4	32.12	-	-	P	H
		577.08	28.35	-17.65	46	30.44	26.19	2.51	30.79	-	-	P	H
		959.26	32.87	-13.13	46	30.07	30.96	3.25	31.41	-	-	P	H
		30.97	25.76	-14.24	40	32.33	25.29	0.54	32.4	-	-	P	V
		56.19	30.22	-9.78	40	48.9	12.97	0.75	32.4	-	-	P	V
		159.01	20.98	-22.52	43.5	35.16	16.71	1.29	32.18	-	-	P	V
		448.07	28.13	-17.87	46	34.13	23.1	2.2	31.3	-	-	P	V
		596.48	30.43	-15.57	46	32.24	26.35	2.55	30.71	-	-	P	V
		958.29	33.71	-12.29	46	30.9	30.98	3.24	31.41	-	-	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 Margin 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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		11213	48.14	-25.86	74	59.06	39.72	17.65	68.29	-	-	P	H
CH 149		11213	37.67	-16.33	54	48.59	39.72	17.65	68.29	-	-	A	H
5745MHz													

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 @ 11213MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 39.72(dB/m) + 17.65(dB) + 59.06(dBμV) – 68.29 (dB)
 = 48.14 (dBμV/m)
2. Margin(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 48.14(dBμV/m) – 74(dBμV/m)
 = -25.86(dB)

For Average Limit @ 11213MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 39.72(dB/m) + 17.65(dB) + 48.59(dBμV) – 68.29 (dB)
 = 37.67 (dBμV/m)
2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 37.67(dBμV/m) – 54(dBμV/m)
 = -16.33(dB)

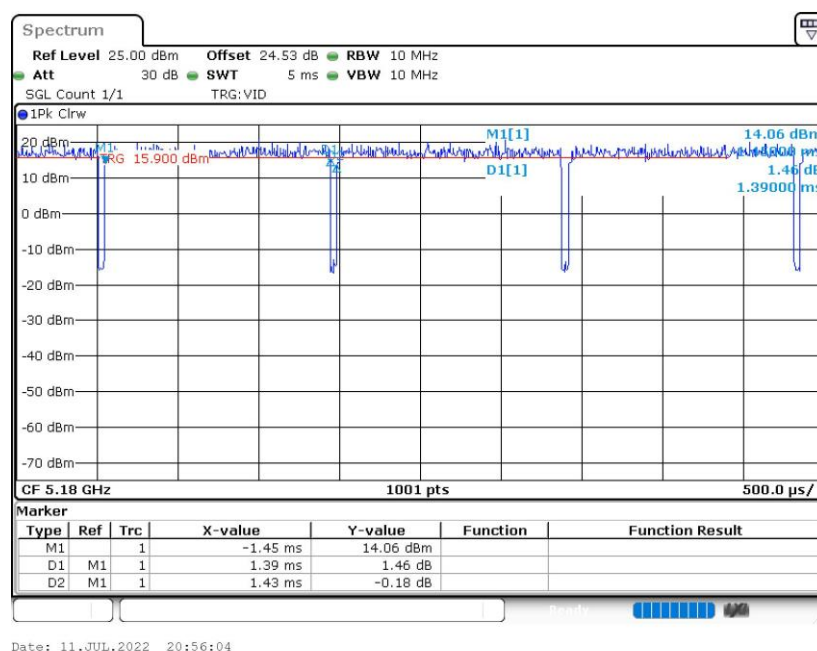
Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Duty Cycle Plots

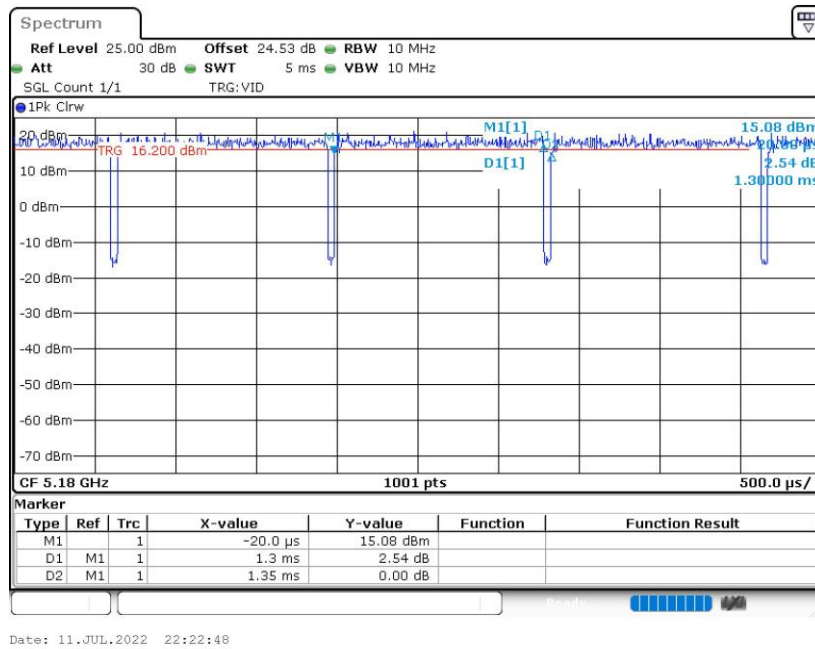
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	97.20	1.39	0.719	1KHz
802.11n HT 20	96.30	1.30	0.770	1KHz
802.11n HT 40	92.75	0.64	1.563	3KHz
802.11ac VHT80	88.89	0.32	3.125	10KHz
802.11ax HE20	95.28	1.01	0.990	1KHz
802.11ax HE40	91.38	0.53	1.887	3KHz
802.11ax HE80	87.88	0.29	3.571	10KHz

802.11a

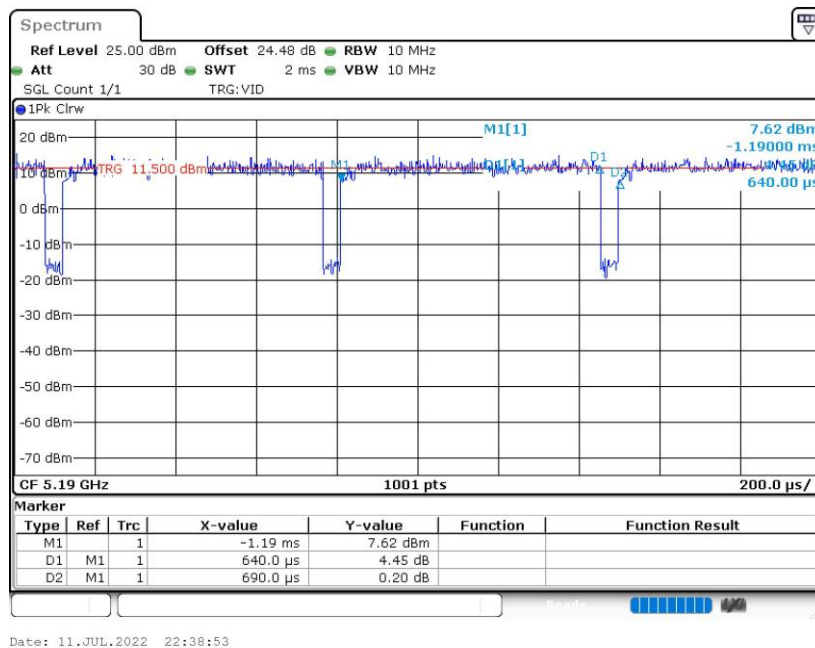




802.11n HT20

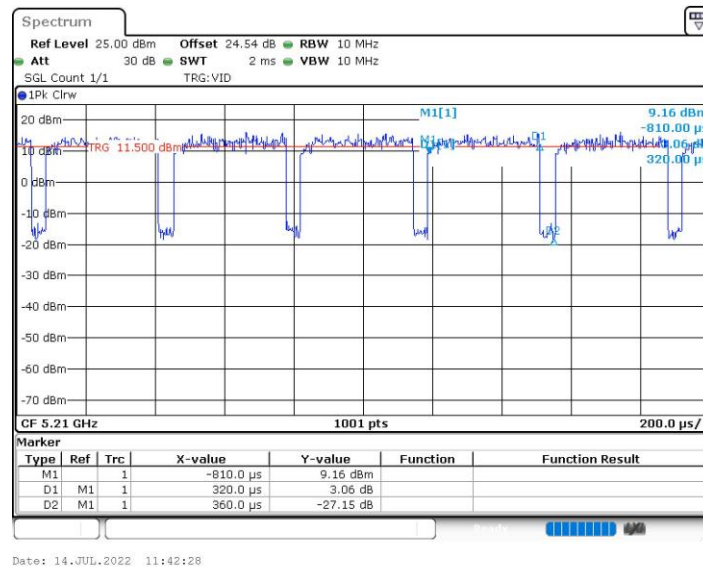


802.11n HT40

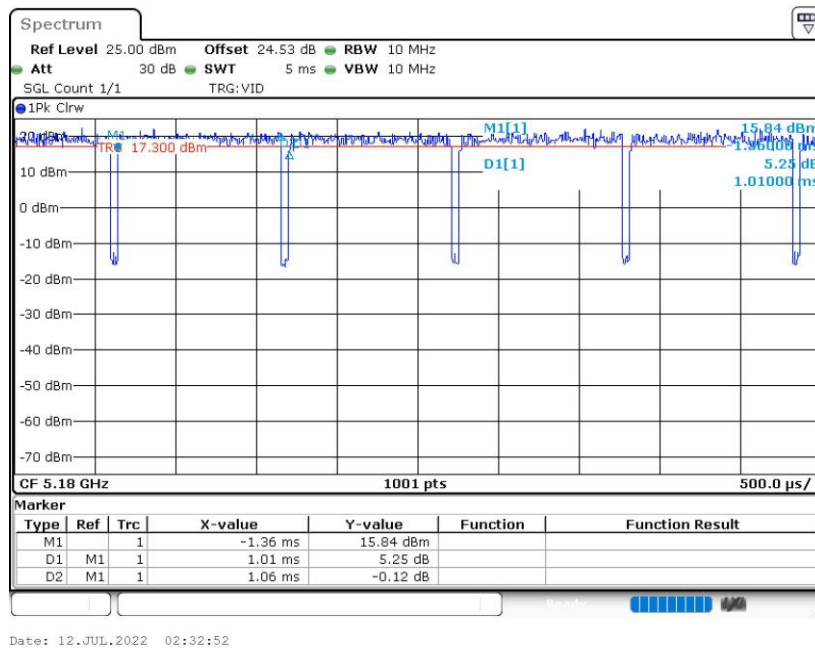




802.11ac VHT80

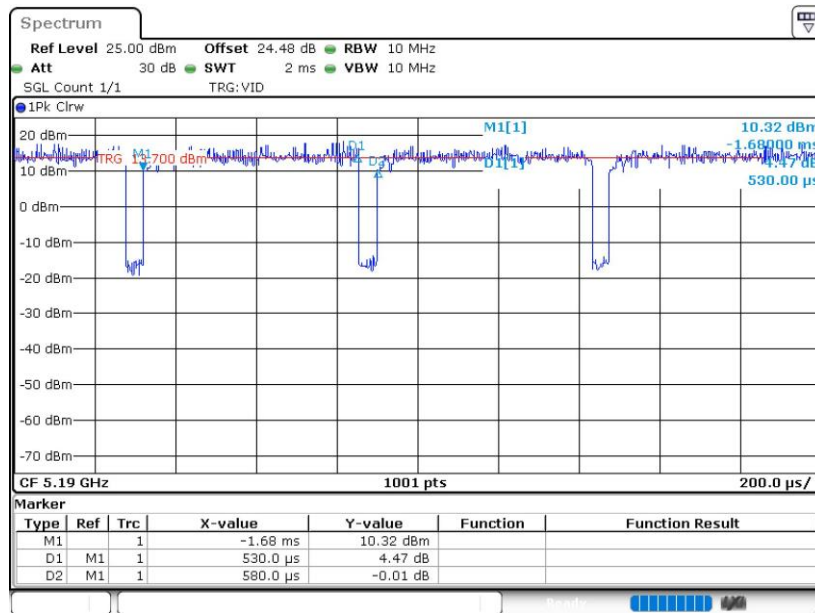


802.11ax HE20



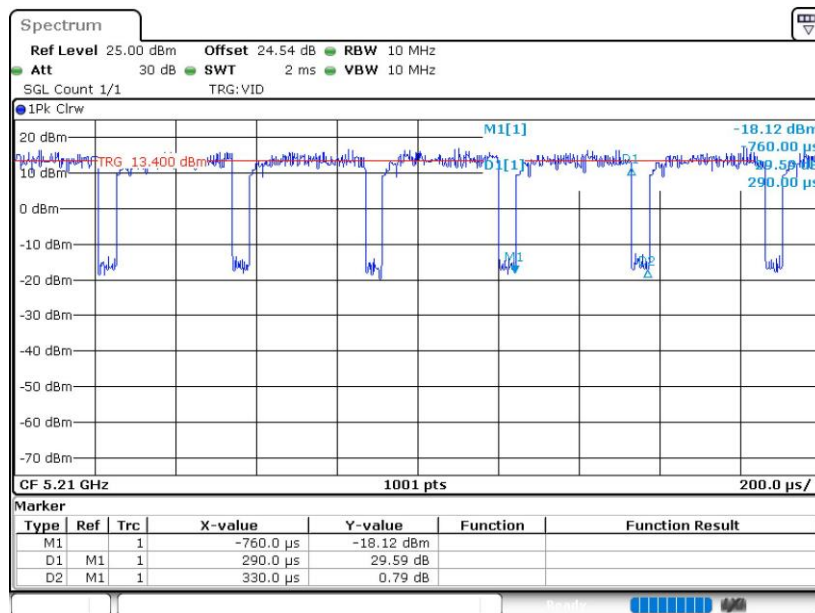


802.11ax HE40



Date: 12.JUL.2022 03:17:07

802.11ax HE80



Date: 14.JUL.2022 11:44:57