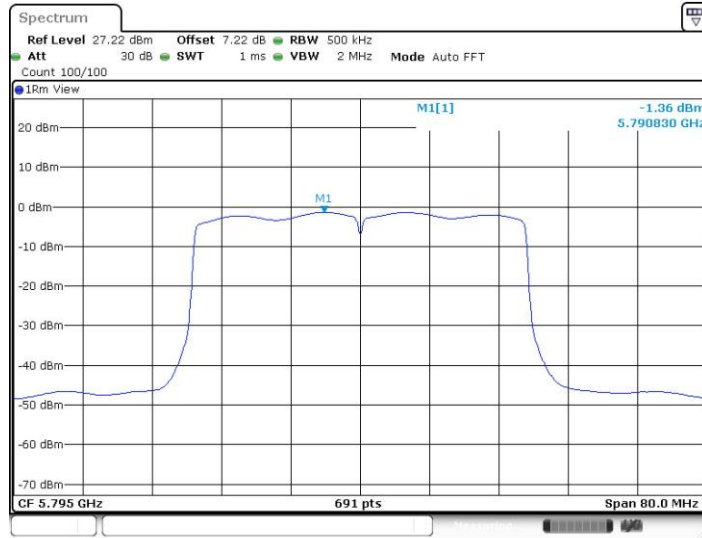


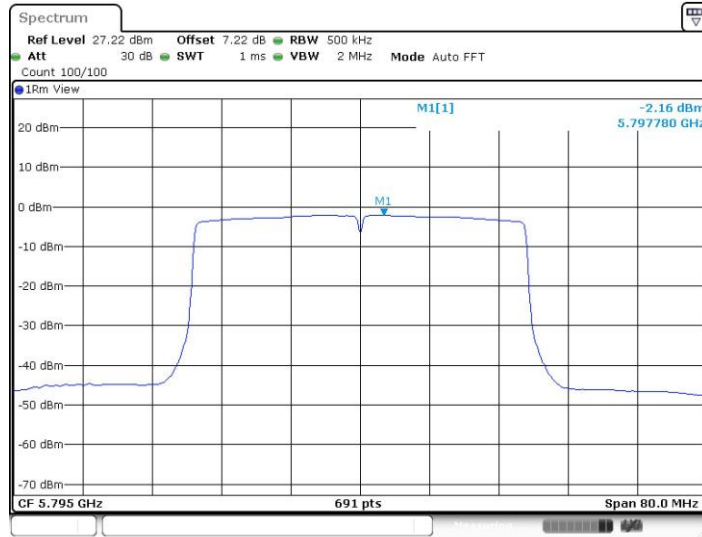


11AX40MIMO\_Ant1\_5795



Date: 8 SEP 2021 06:42:16

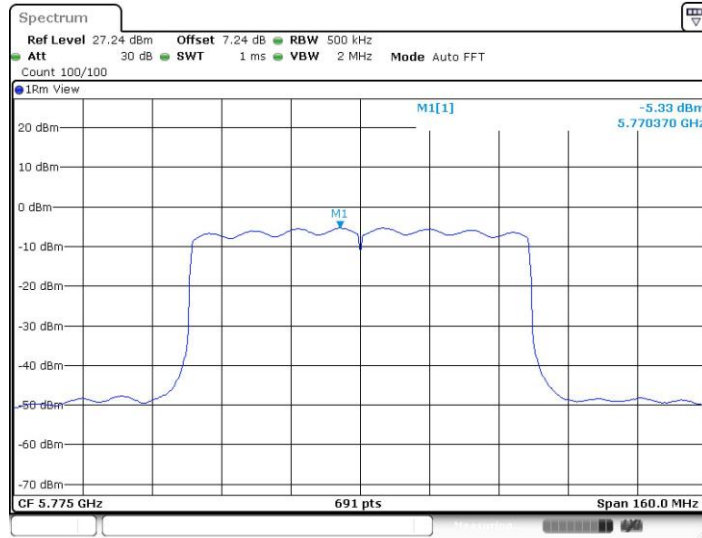
11AX40MIMO\_Ant2\_5795



Date: 8 SEP 2021 06:43:55

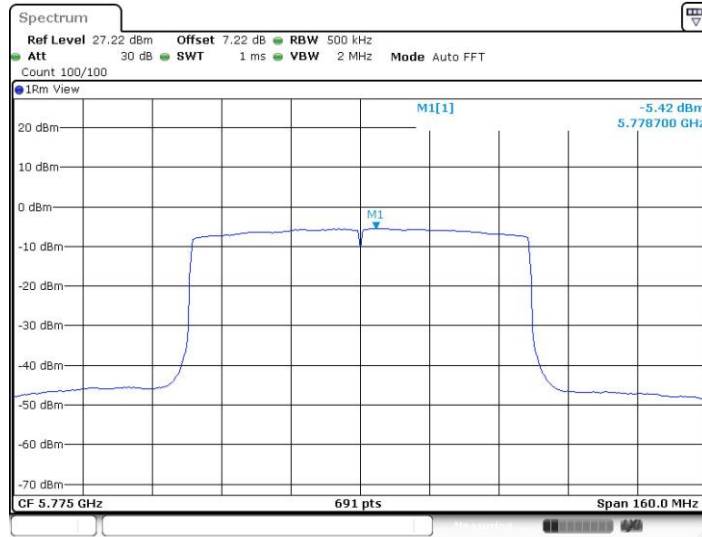


11AX80MIMO\_Ant1\_5775



Date: 8 SEP 2021 07:04:37

11AX80MIMO\_Ant2\_5775



Date: 8 SEP 2021 07:06:39

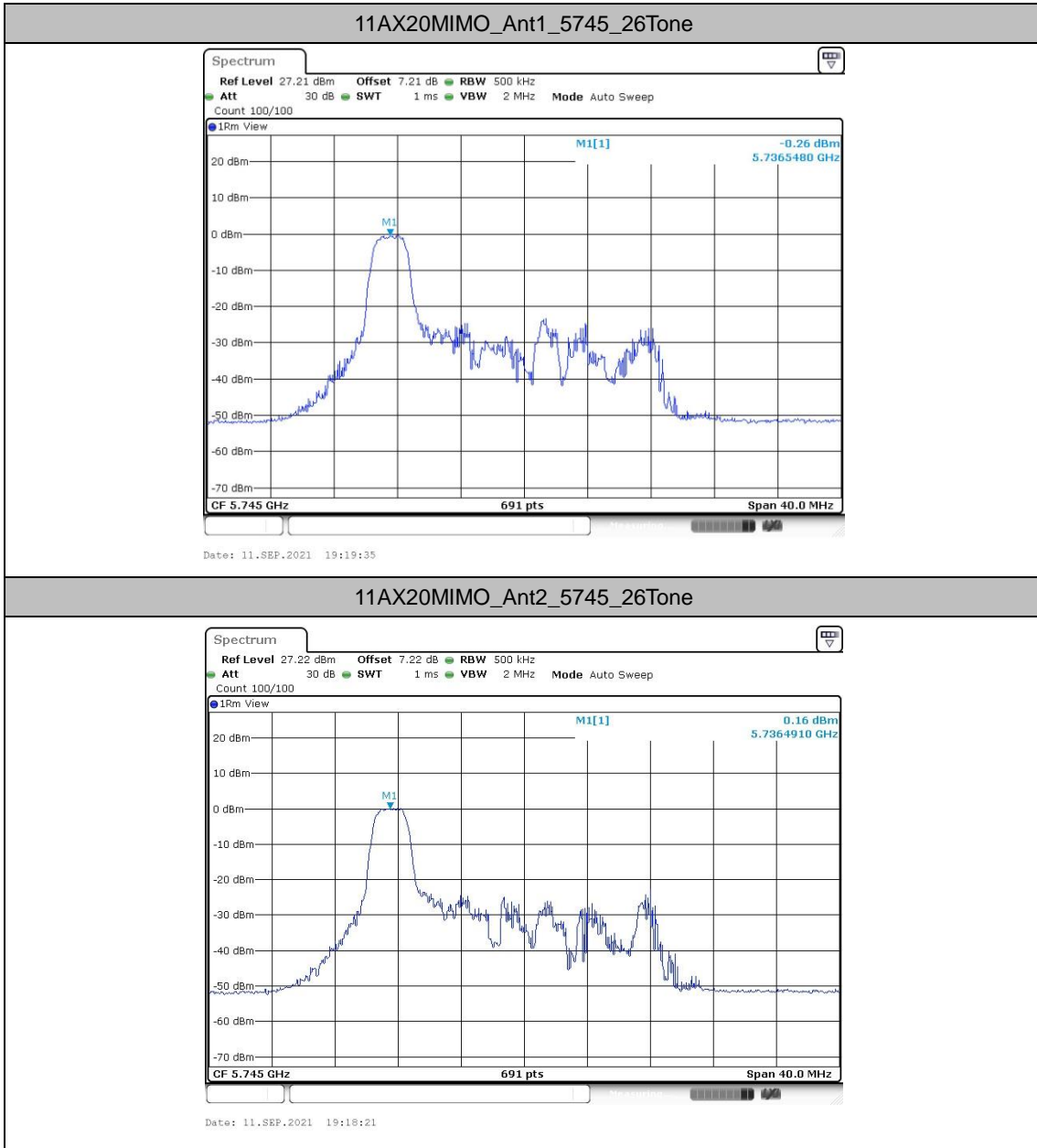


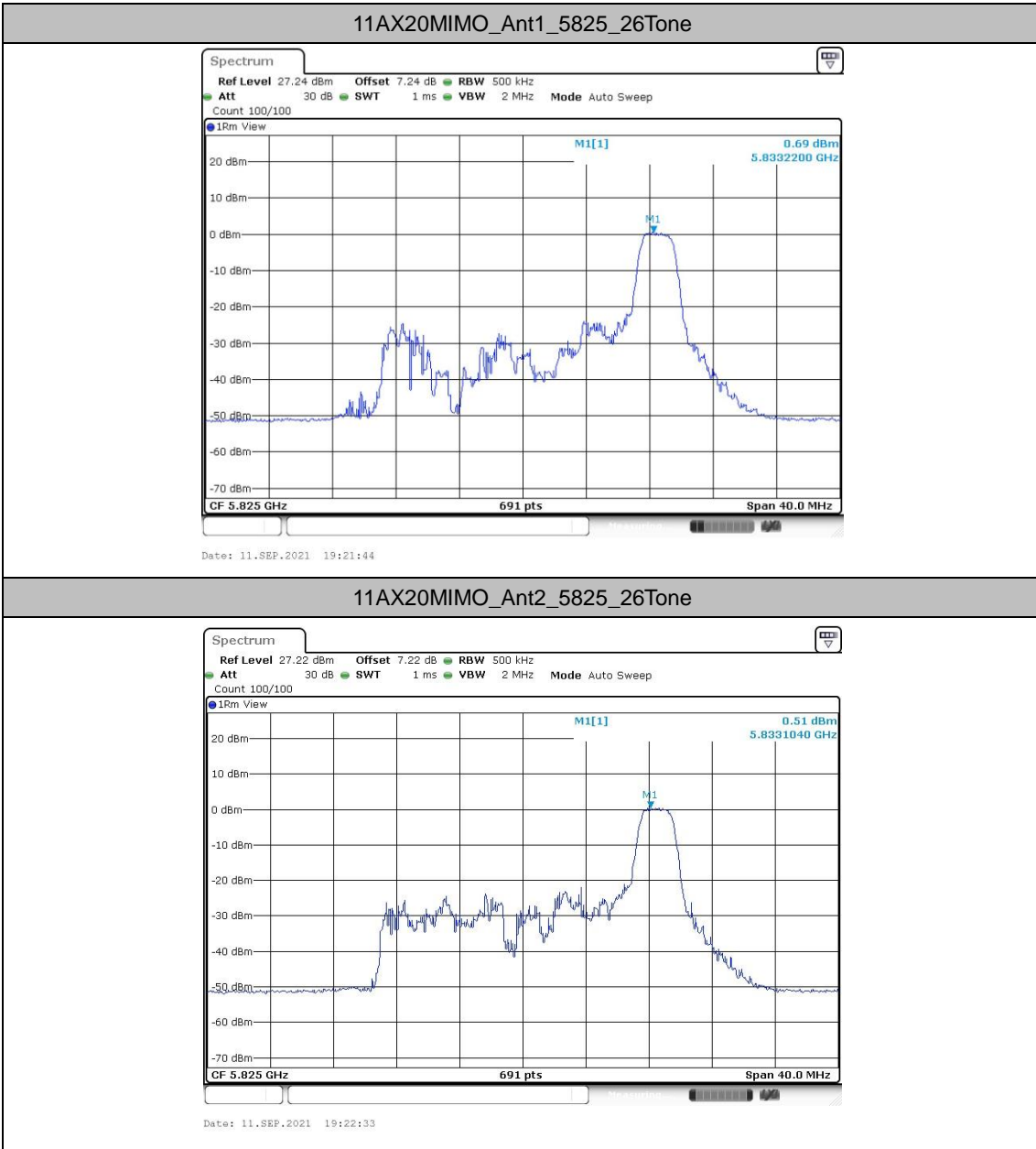
**Maximum power spectral density <Partial RU>**

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	



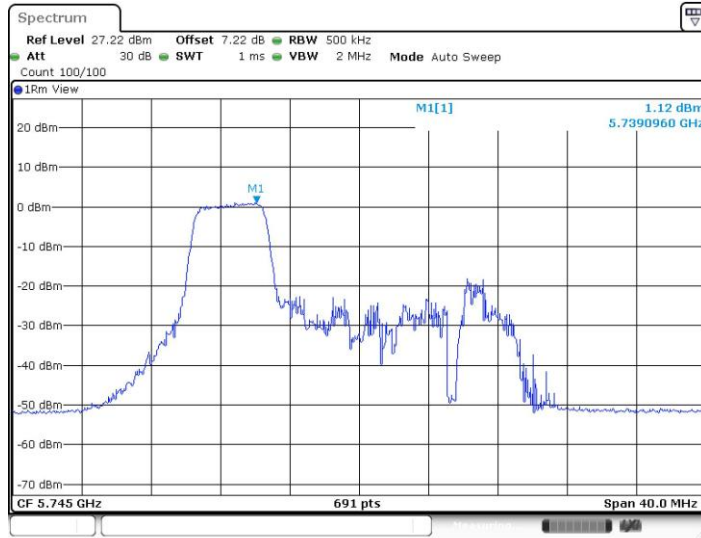
Trigger-Based





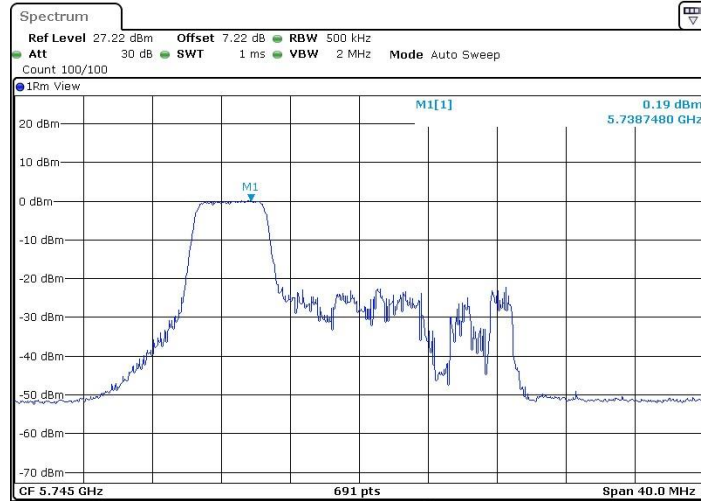


11AX20MIMO\_Ant1\_5745\_52Tone

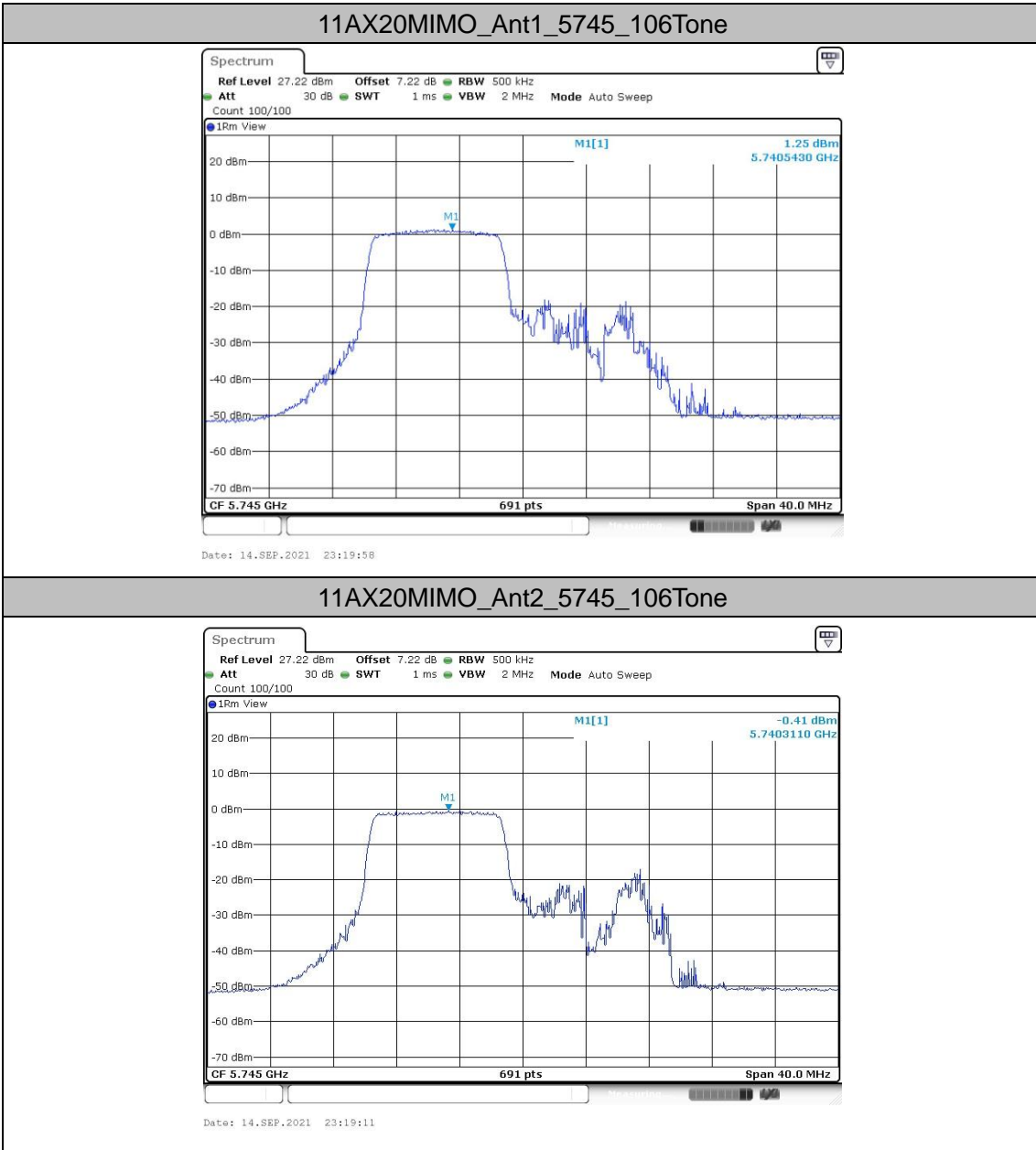


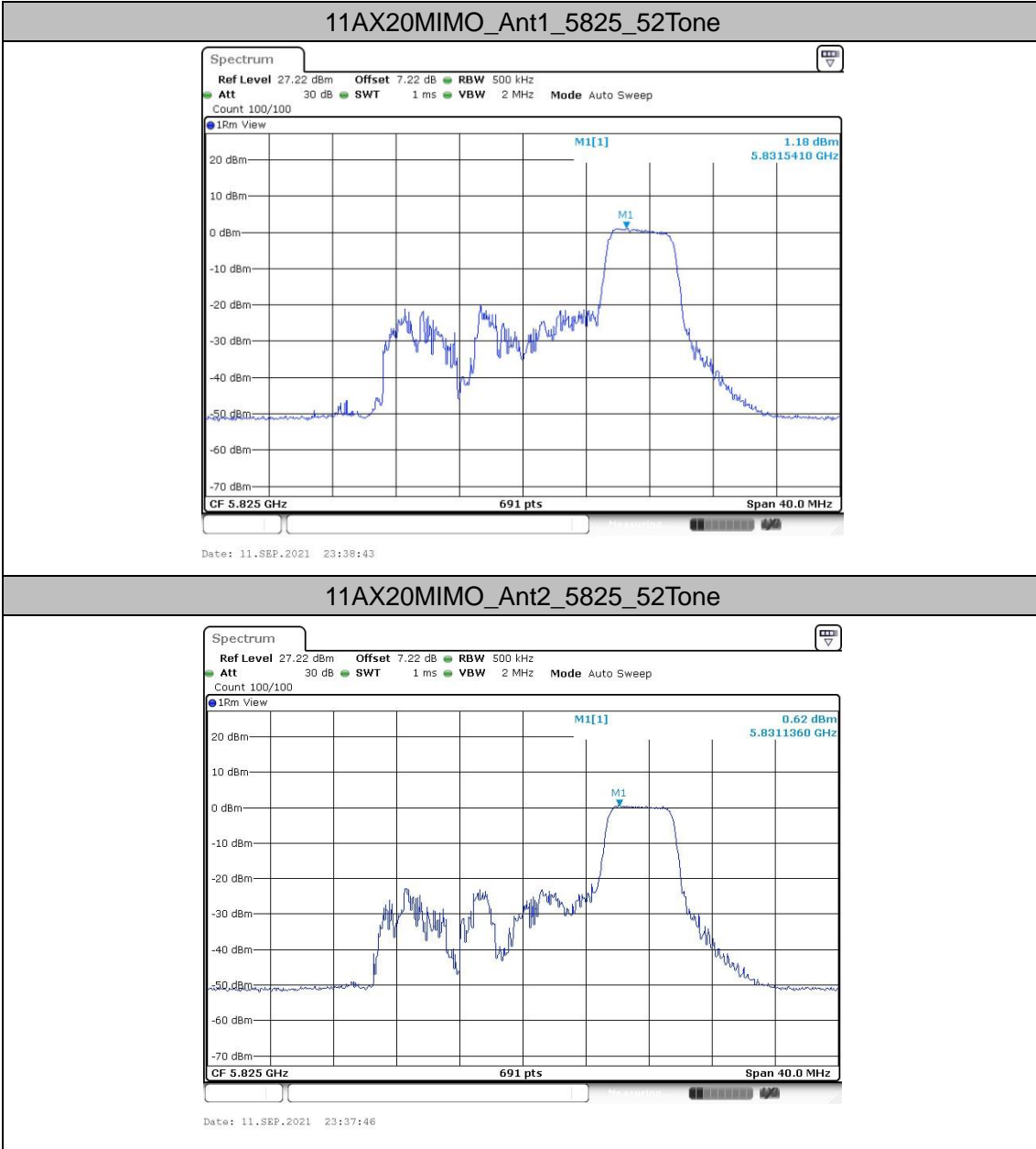
Date: 11.SEP.2021 23:33:56

11AX20MIMO\_Ant2\_5745\_52Tone

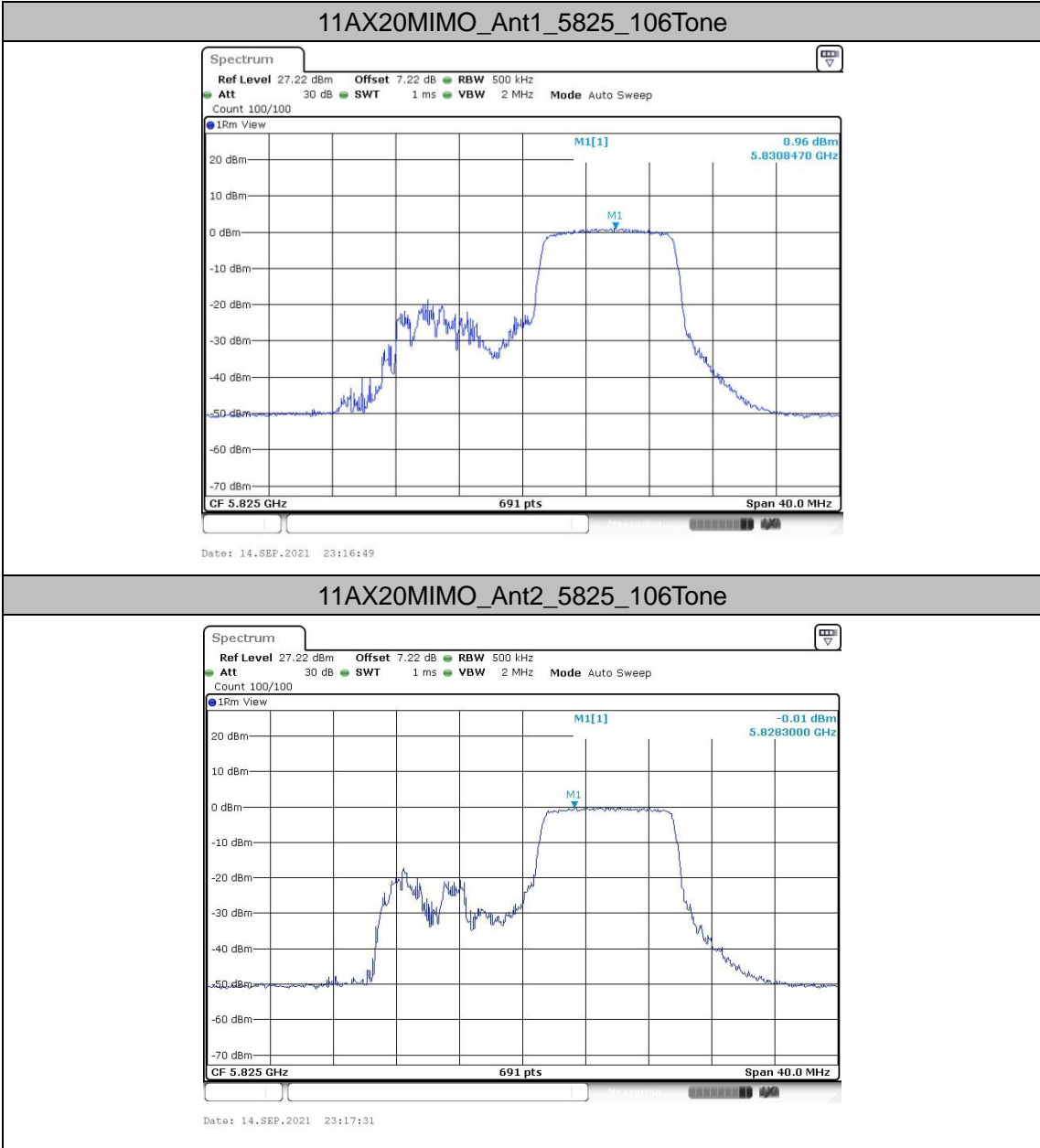


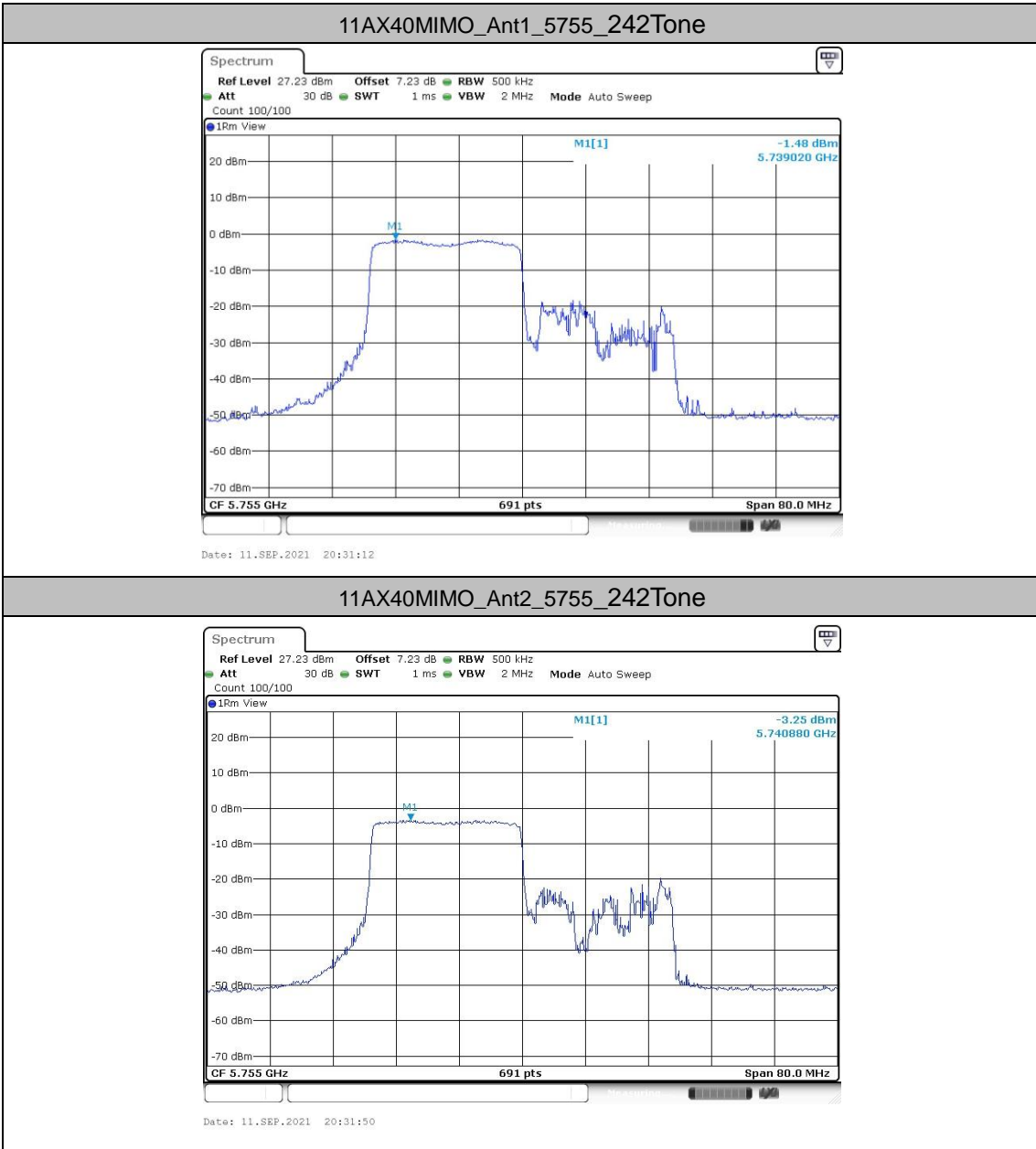
Date: 11.SEP.2021 23:32:38





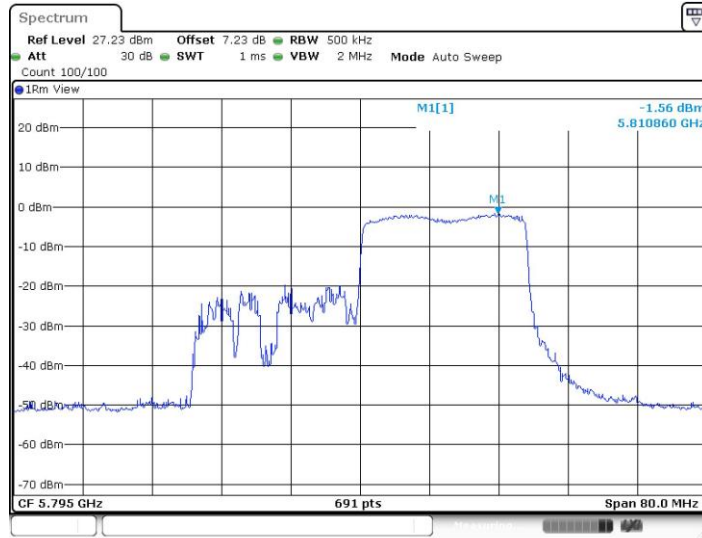






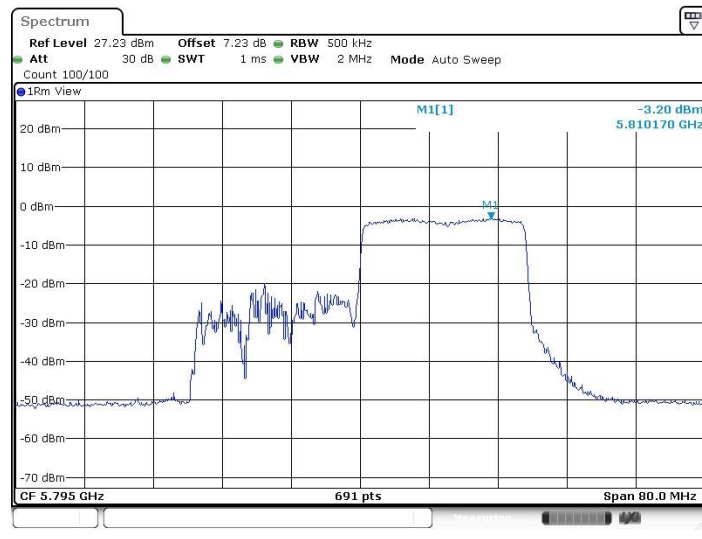


11AX40MIMO\_Ant1\_5795\_242Tone

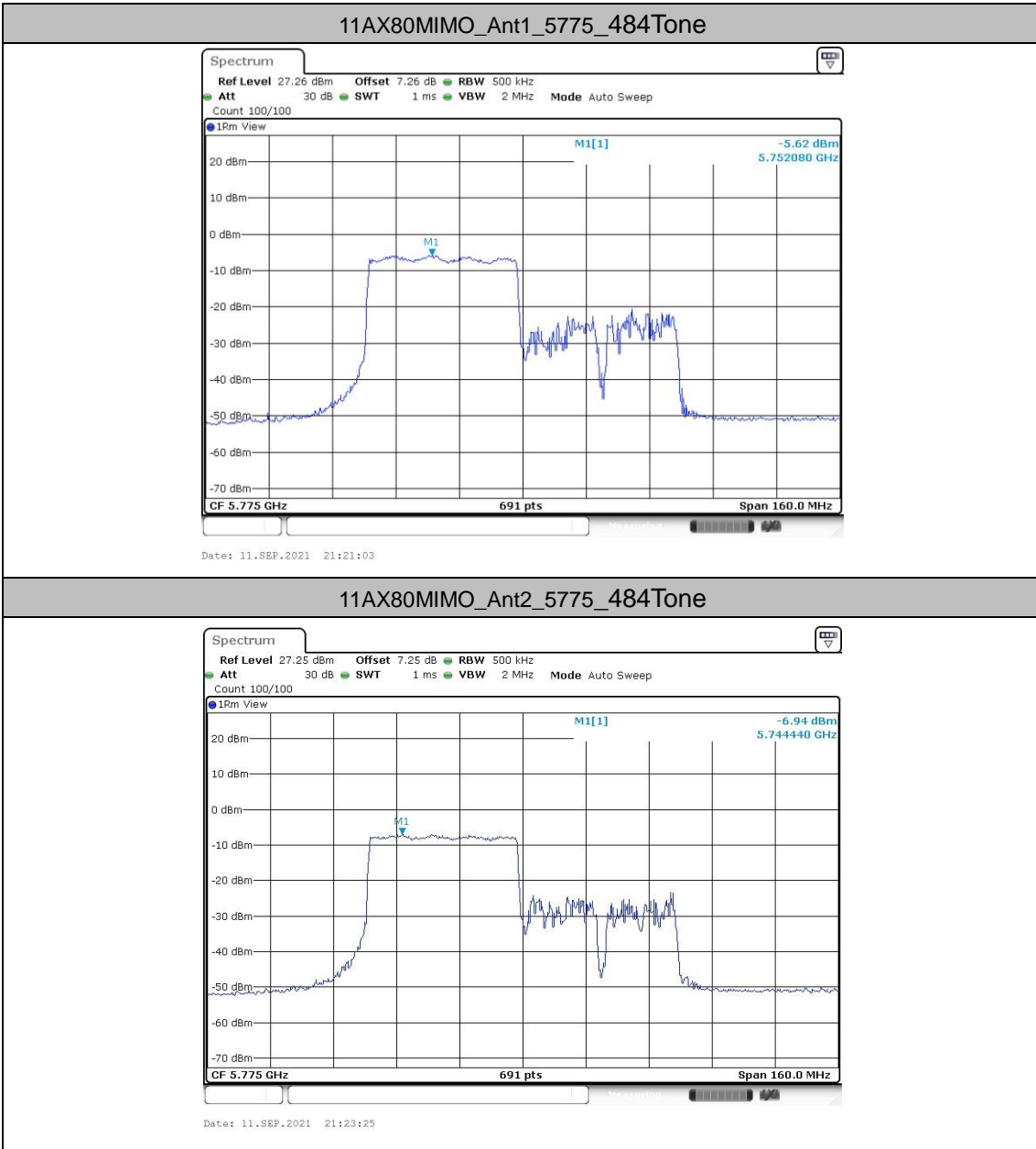


Date: 11.SEP.2021 20:35:16

11AX40MIMO\_Ant2\_5795\_242Tone



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



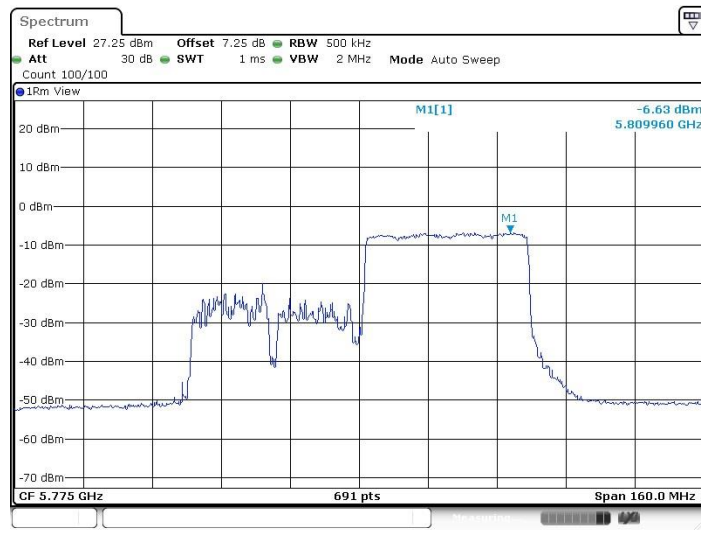


11AX80MIMO\_Ant1\_5775\_484Tone



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

11AX80MIMO\_Ant2\_5775\_484Tone

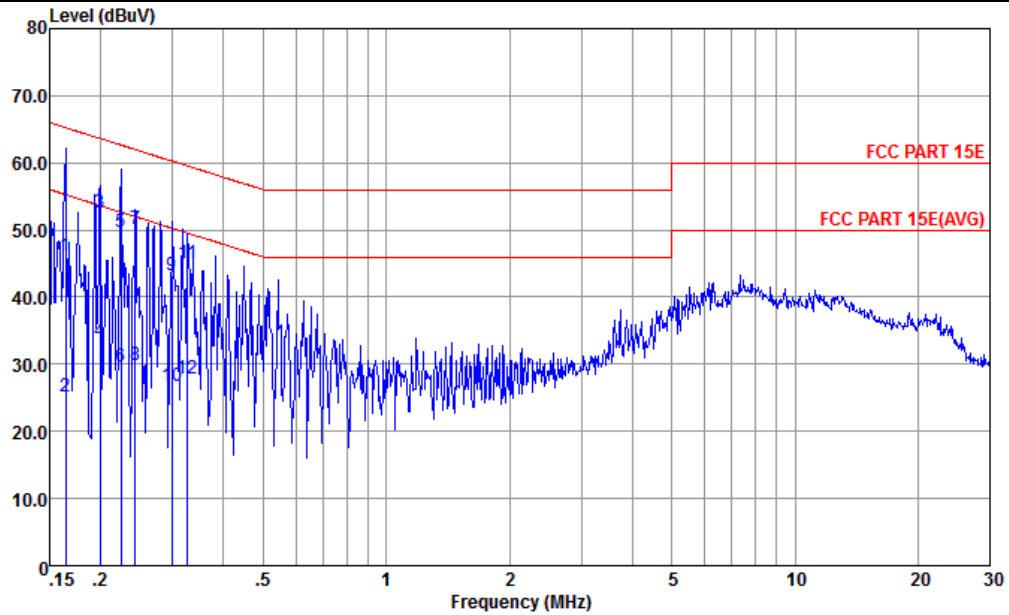


Date: 11.SEP.2021 21:24:23



## 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 :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

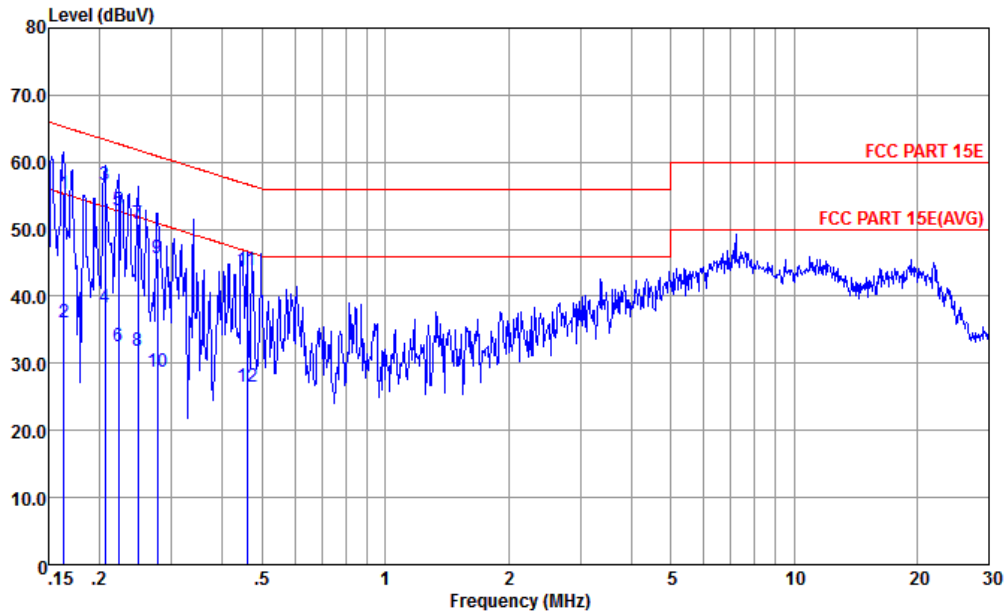


Site : CO01-KS  
 Condition : FCC PART 15E LISN-L-060105-CN02 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.164	46.12	-19.13	65.25	35.60	0.08	10.44	QP
2	0.164	25.12	-30.13	55.25	14.60	0.08	10.44	Average
3 *	0.200	52.65	-10.97	63.62	42.20	0.09	10.36	QP
4	0.200	33.35	-20.27	53.62	22.90	0.09	10.36	Average
5	0.224	49.64	-13.02	62.66	39.20	0.09	10.35	QP
6	0.224	29.64	-23.02	52.66	19.20	0.09	10.35	Average
7	0.243	50.03	-11.97	62.00	39.59	0.10	10.34	QP
8	0.243	29.93	-22.07	52.00	19.49	0.10	10.34	Average
9	0.299	43.21	-17.07	60.28	32.79	0.11	10.31	QP
10	0.299	26.71	-23.57	50.28	16.29	0.11	10.31	Average
11	0.327	44.91	-14.62	59.53	34.51	0.11	10.29	QP
12	0.327	27.91	-21.62	49.53	17.51	0.11	10.29	Average



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	dBuV	dB	dBuV	dBuV	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)

Table with 14 columns: 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). Rows include data for channels 149, 157, and 165, and a Remark section.



**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		11489.48	44.35	-29.65	74	48.47	38.69	17.62	60.43	100	360	P	V
5745MHz													
802.11 ax20		11569.56	43.68	-30.32	74	47.64	38.74	17.68	60.38	100	360	P	H
CH 157		11569.56	45.98	-28.02	74	49.94	38.74	17.68	60.38	100	360	P	V
5785MHz													
802.11 ax20		11649.64	44.75	-29.25	74	48.58	38.78	17.72	60.33	100	360	P	H
CH 165		11649.64	44.07	-29.93	74	47.9	38.78	17.72	60.33	100	360	P	V
5825MHz													
<b>Remark</b>	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
<b>Remark</b>	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	
<b>Remark</b>	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	
<b>Remark</b>	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**

- No other spurious found.
- 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
<b>Remark</b>	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**

- No other spurious found.
- 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)

Table with 14 columns: 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). Rows include frequencies from 5604.4 to 5954.8 MHz and 5794 MHz, with various level and factor readings.

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)

Table with 14 columns: 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). Rows include test data for 802.11ax HE80 Full and CH 155 5775MHz, and a Remark section.



UNII 3 5725~5850MHz
WIFI 802.11ax HE80\_Partial 242 (Band Edge @ 3m)

Table with 14 columns: 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). Rows include frequency measurements from 5609.6 to 5928 MHz and a 5746 MHz entry with various level and factor values.

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**

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



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

WIFI	Note	Frequency	Level	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)

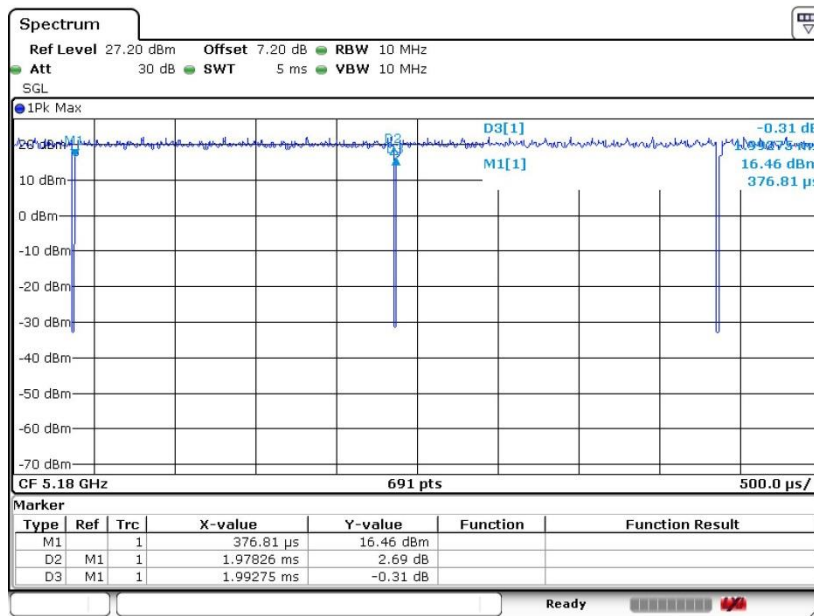
**Both peak and average measured complies with the limit line, so test result is “PASS”.**



## Appendix D. Duty Cycle Plots

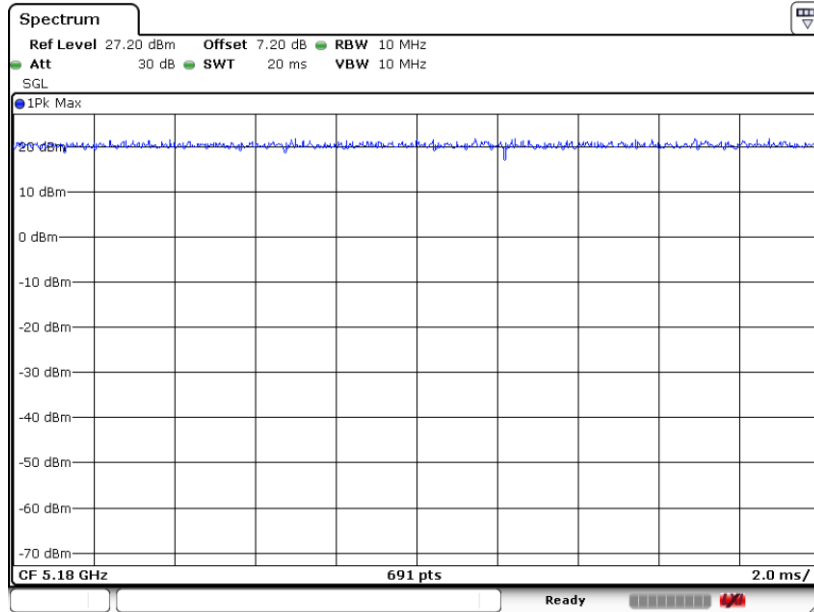
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	99.27	-	-	10Hz
1+2	802.11ax HE20	100	-	-	10Hz
1+2	802.11ax HE40	100	-	-	10Hz
1+2	802.11ax HE80	100	-	-	10Hz
1+2	802.11ax HE160	99.33	-	-	10Hz

### 802.11a

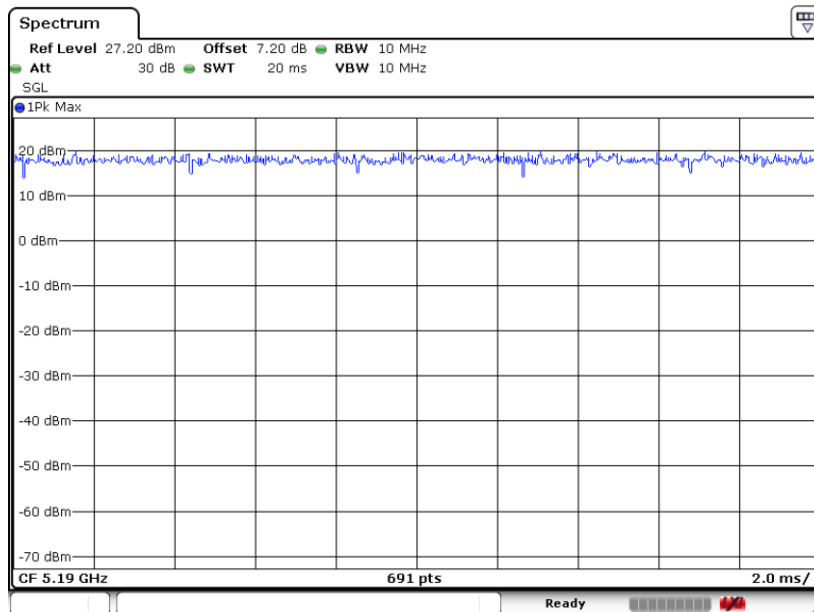




802.11ax HE20

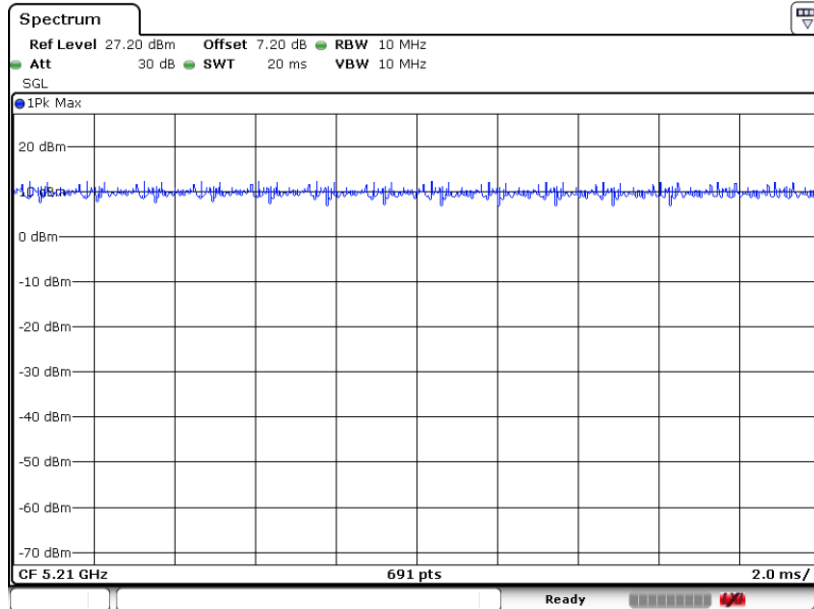


802.11ax HE40





802.11ax HE80



802.11ax HE160

