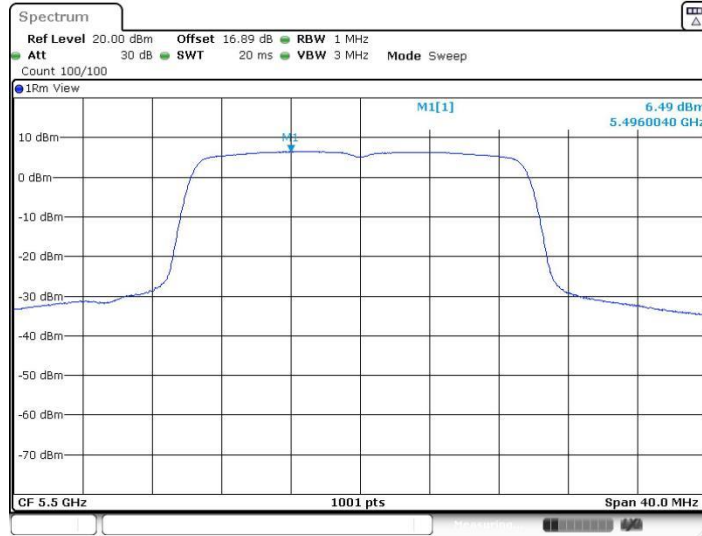


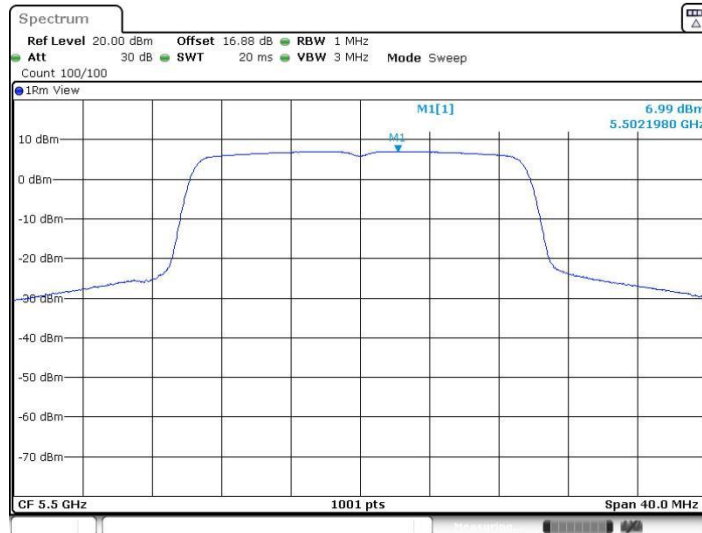


11AX20MIMO_Ant1_5500



Date: 11.JUN.2022 09:00:37

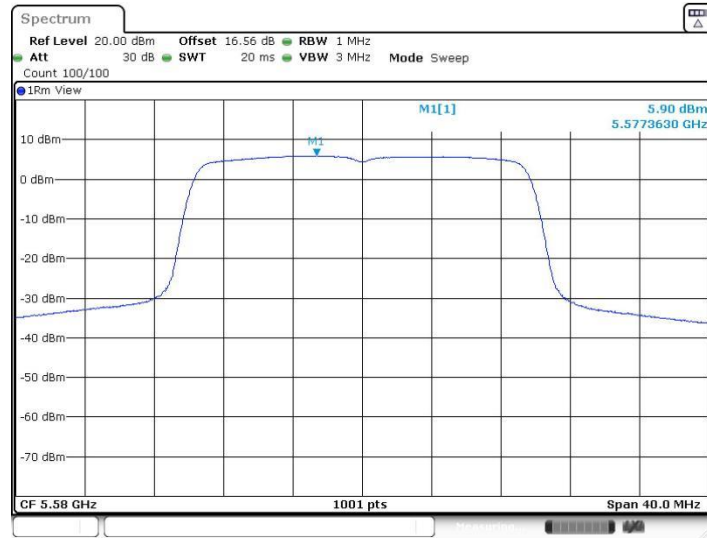
11AX20MIMO_Ant2_5500



Date: 11.JUN.2022 09:00:51



11AX20MIMO_Ant1_5580



Date: 11.JUN.2022 09:01:38

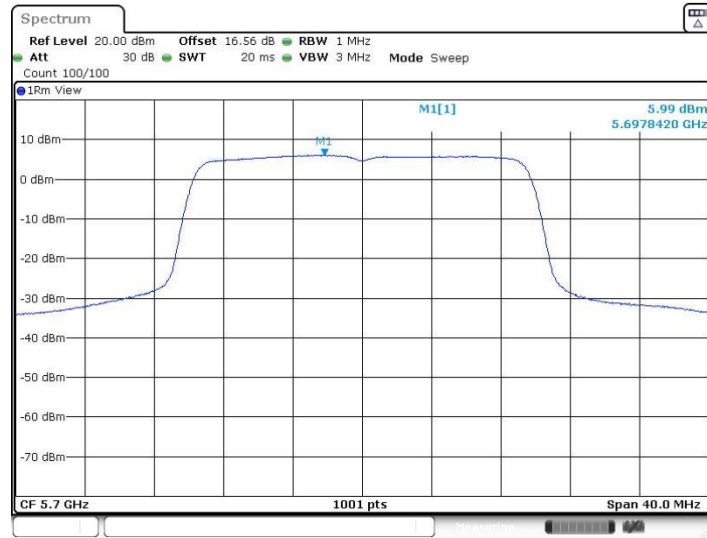
11AX20MIMO_Ant2_5580



Date: 11.JUN.2022 09:01:49

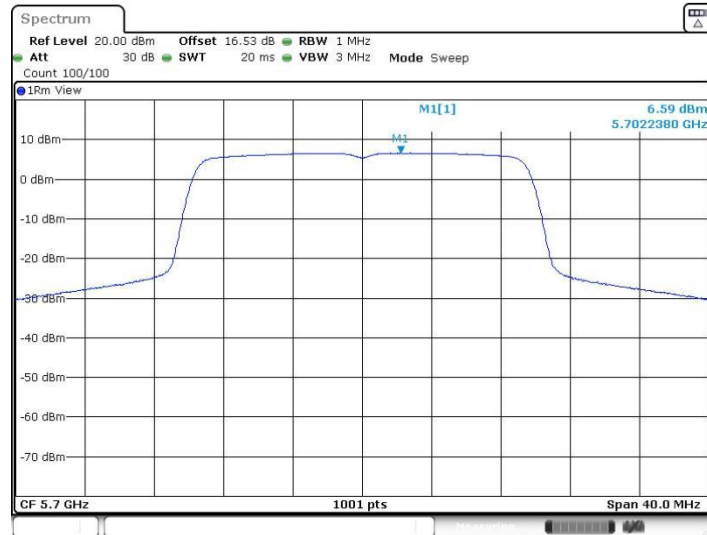


11AX20MIMO_Ant1_5700



Date: 11.JUN.2022 09:02:20

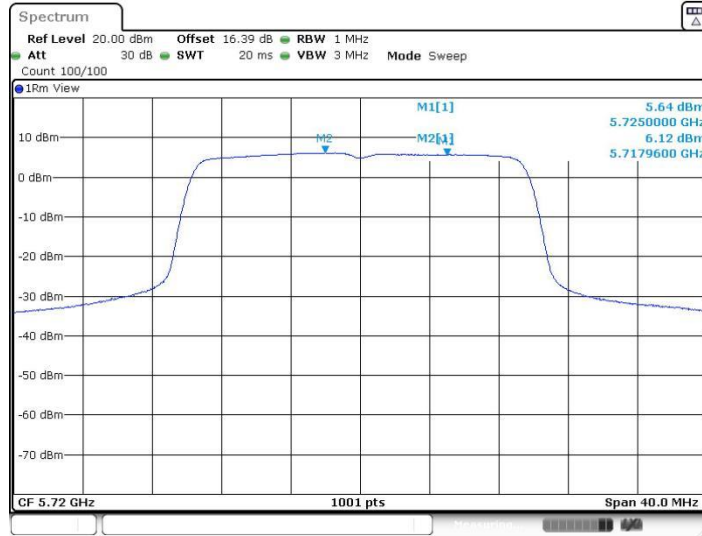
11AX20MIMO_Ant2_5700



Date: 11.JUN.2022 09:02:32

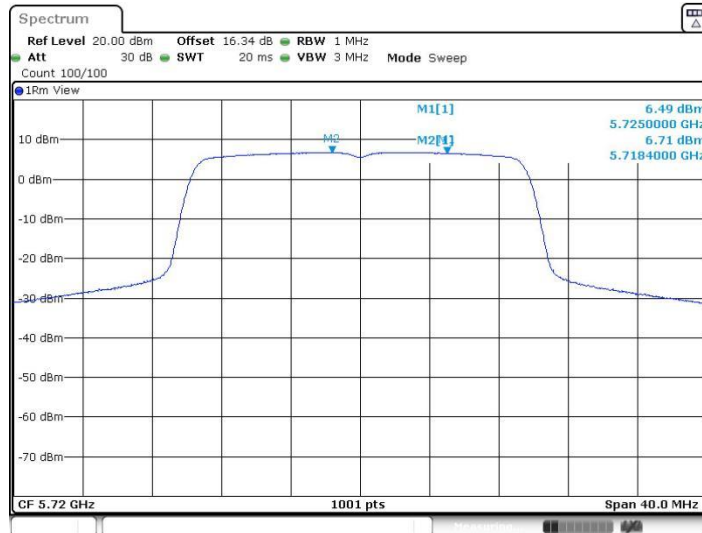


11AX20MIMO_Ant1_5720_UNII-2C



Date: 11.JUN.2022 08:20:13

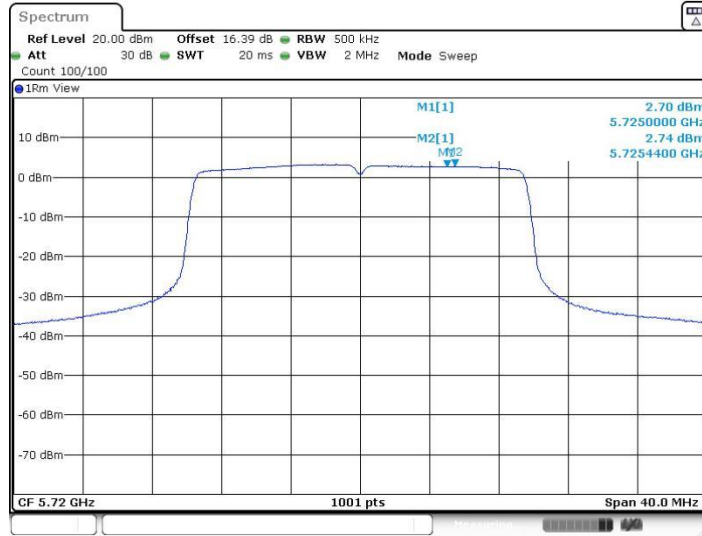
11AX20MIMO_Ant2_5720_UNII-2C



Date: 11.JUN.2022 08:21:20

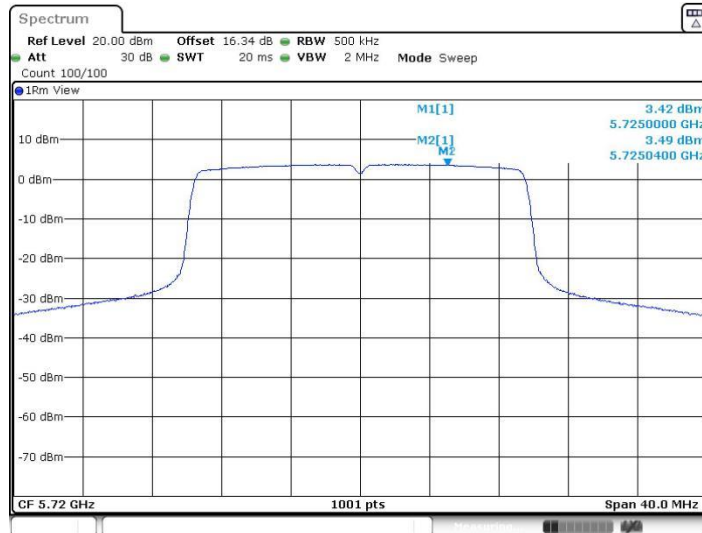


11AX20MIMO_Ant1_5720_UNII-3



Date: 11.JUN.2022 08:20:23

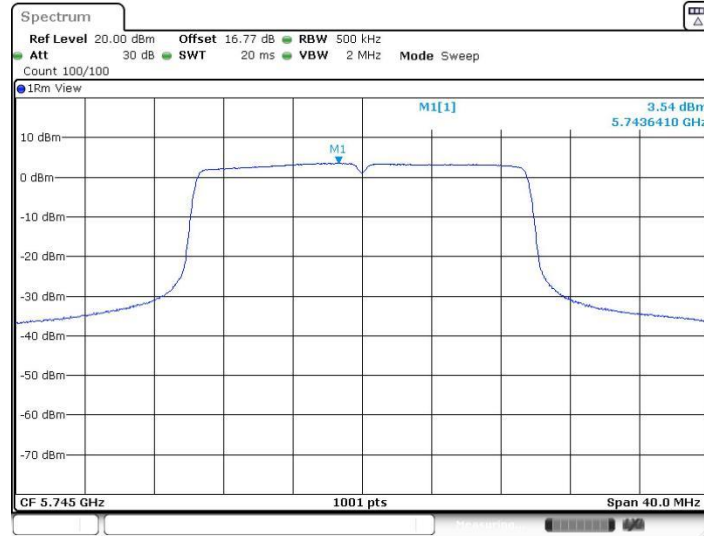
11AX20MIMO_Ant2_5720_UNII-3



Date: 11.JUN.2022 08:21:30



11AX20MIMO_Ant1_5745

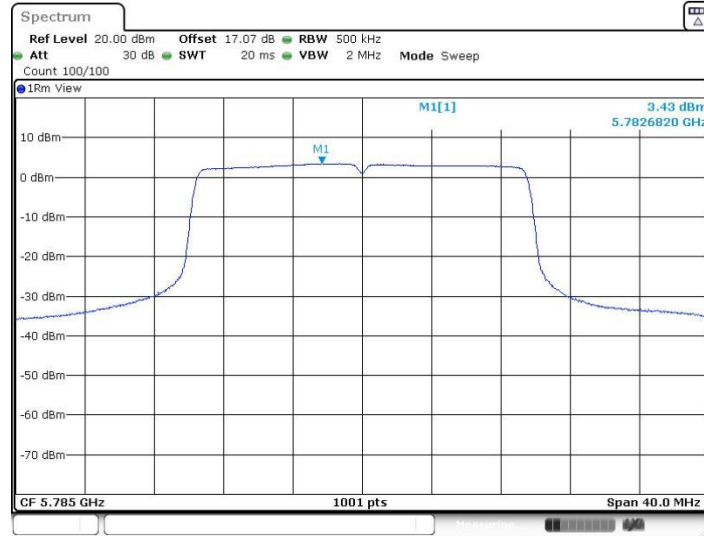


11AX20MIMO_Ant2_5745





11AX20MIMO_Ant1_5785



Date: 11.JUN.2022 07:00:12

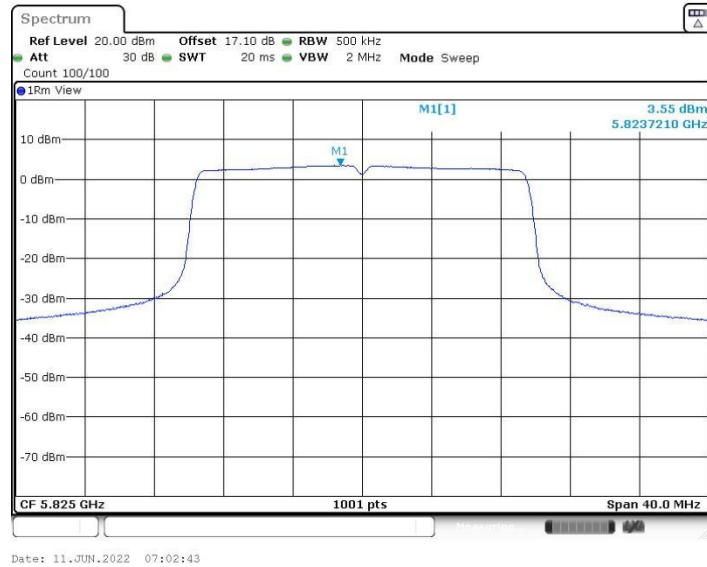
11AX20MIMO_Ant2_5785



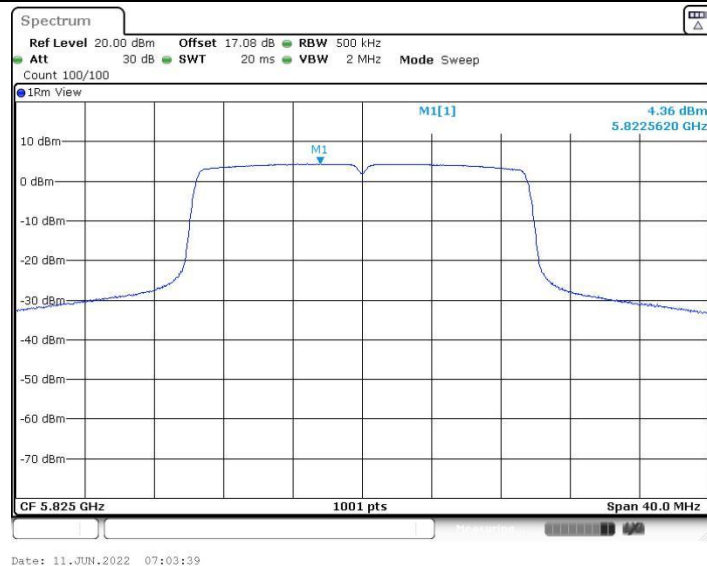
Date: 11.JUN.2022 07:01:12



11AX20MIMO_Ant1_5825

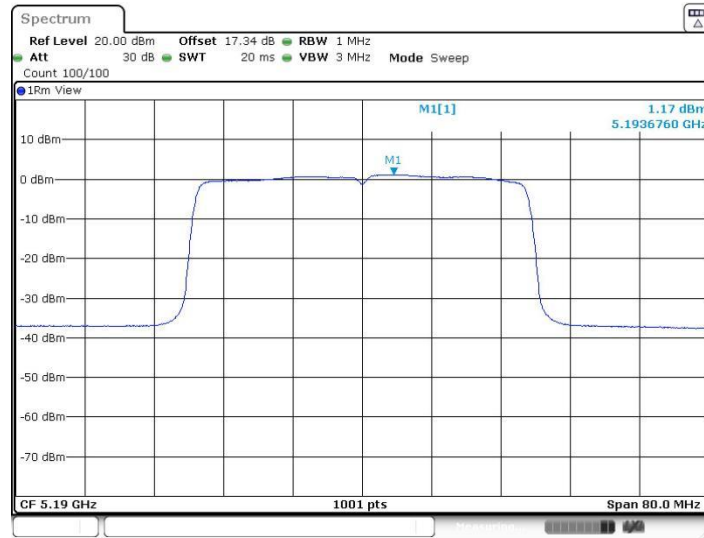


11AX20MIMO_Ant2_5825





11AX40MIMO_Ant1_5190



Date: 21.JUN.2022 15:36:10

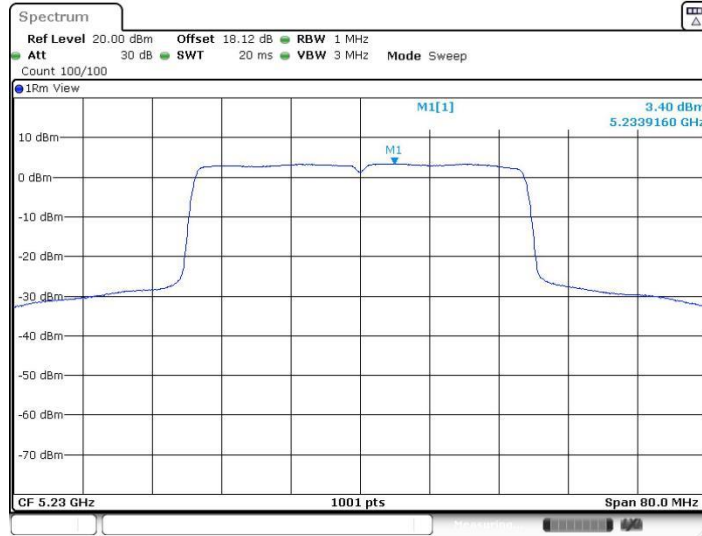
11AX40MIMO_Ant2_5190



Date: 21.JUN.2022 15:36:21

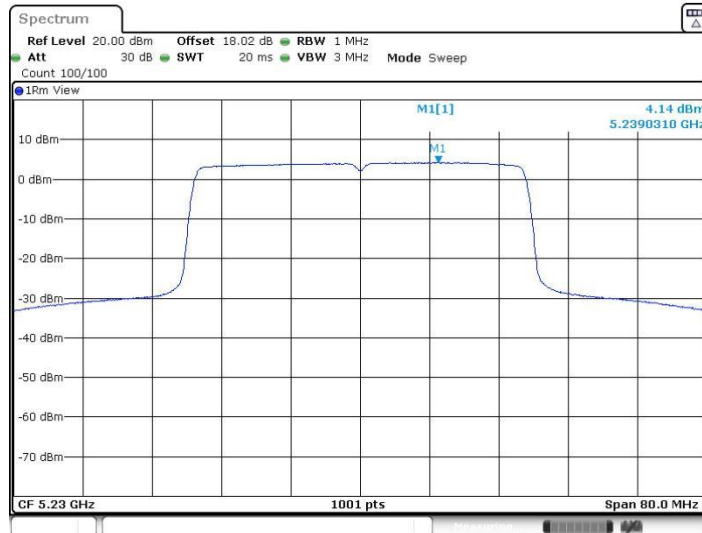


11AX40MIMO_Ant1_5230



Date: 11.JUN.2022 07:07:43

11AX40MIMO_Ant2_5230



Date: 11.JUN.2022 07:08:48

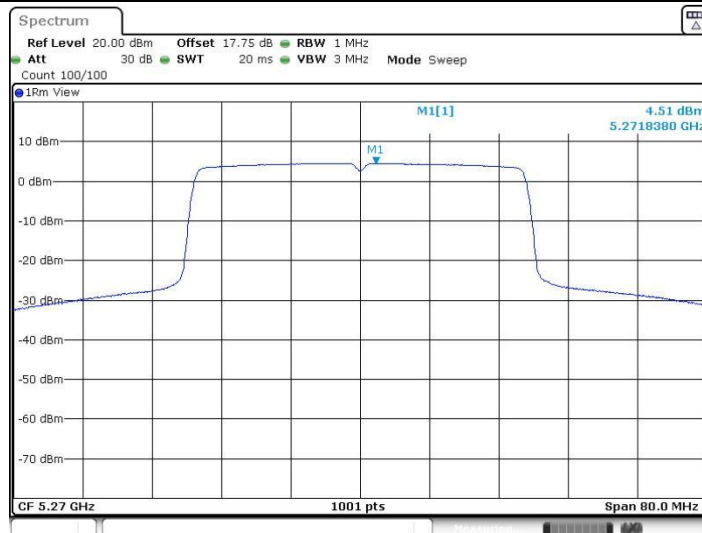


11AX40MIMO_Ant1_5270



Date: 11.JUN.2022 07:10:11

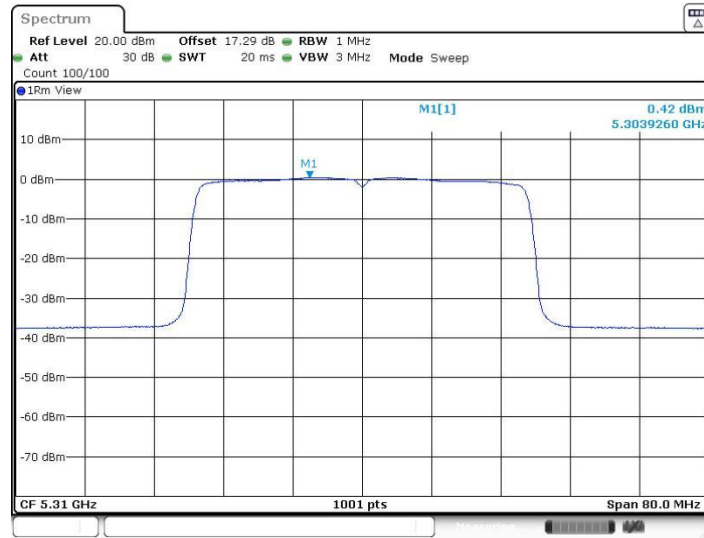
11AX40MIMO_Ant2_5270



Date: 11.JUN.2022 07:11:18

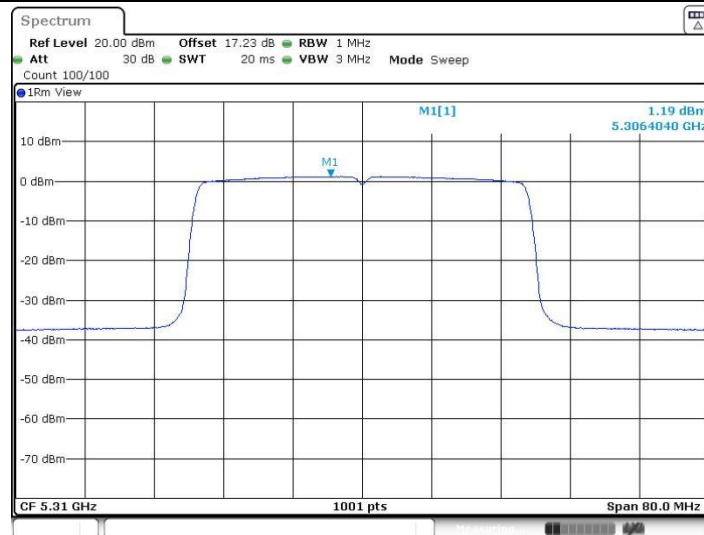


11AX40MIMO_Ant1_5310



Date: 21.JUN.2022 15:37:06

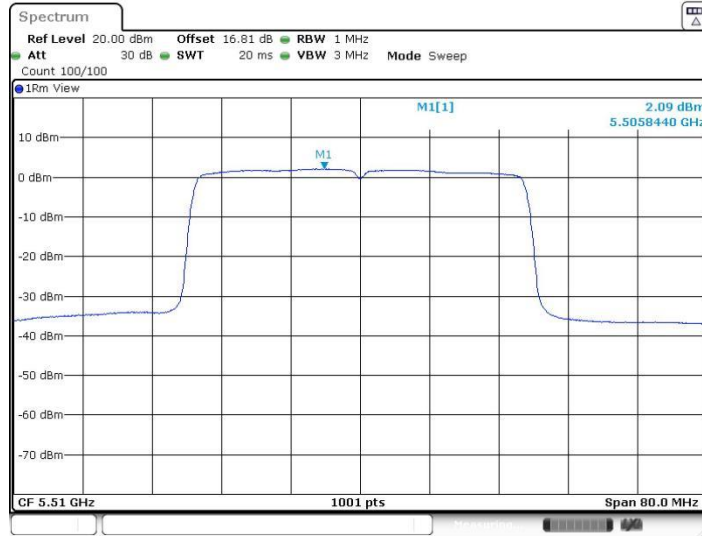
11AX40MIMO_Ant2_5310



Date: 21.JUN.2022 15:37:17

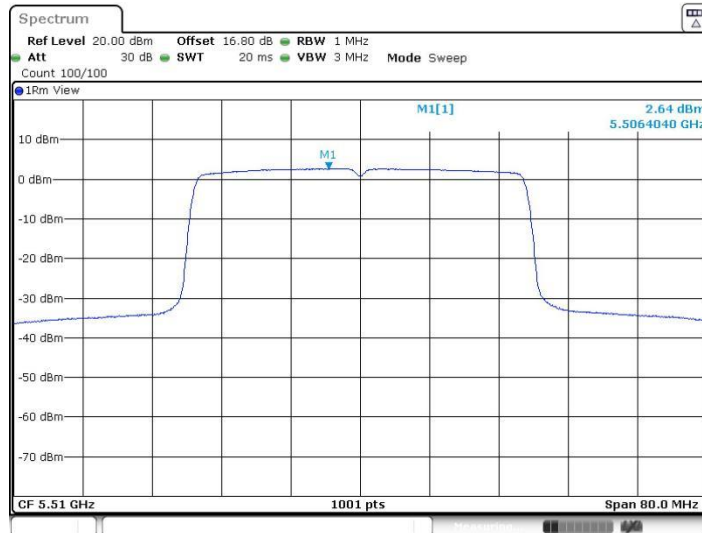


11AX40MIMO_Ant1_5510



Date: 21.JUN.2022 15:38:04

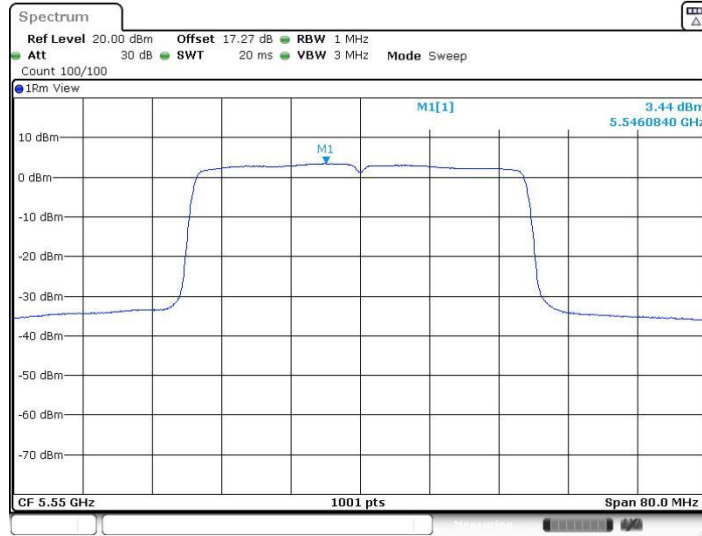
11AX40MIMO_Ant2_5510



Date: 21.JUN.2022 15:38:15



11AX40MIMO_Ant1_5550



Date: 11.JUN.2022 07:17:33

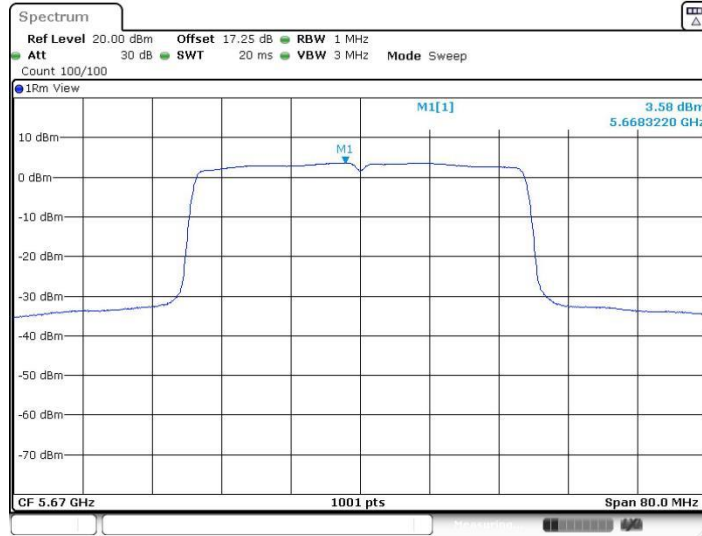
11AX40MIMO_Ant2_5550



Date: 11.JUN.2022 07:18:39



11AX40MIMO_Ant1_5670



Date: 11.JUN.2022 07:20:35

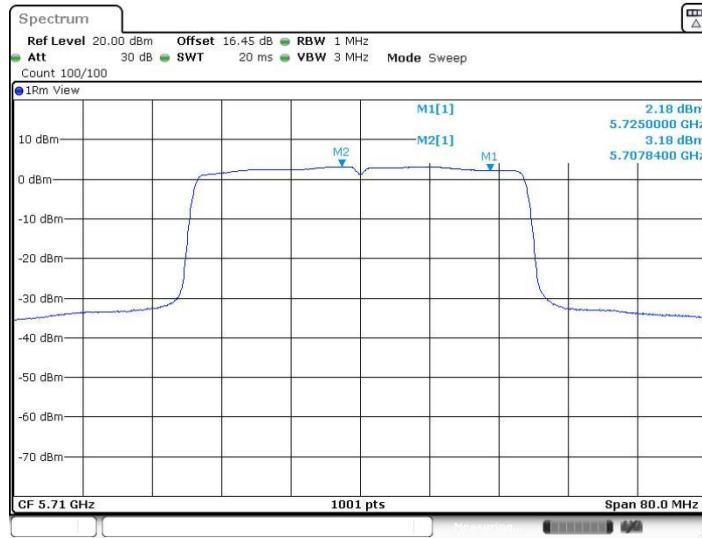
11AX40MIMO_Ant2_5670



Date: 11.JUN.2022 07:21:32

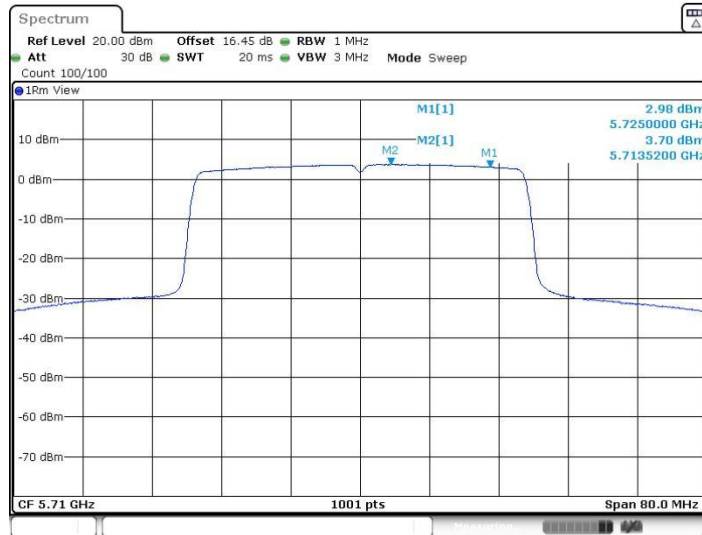


11AX40MIMO_Ant1_5710_UNII-2C



Date: 11.JUN.2022 08:23:09

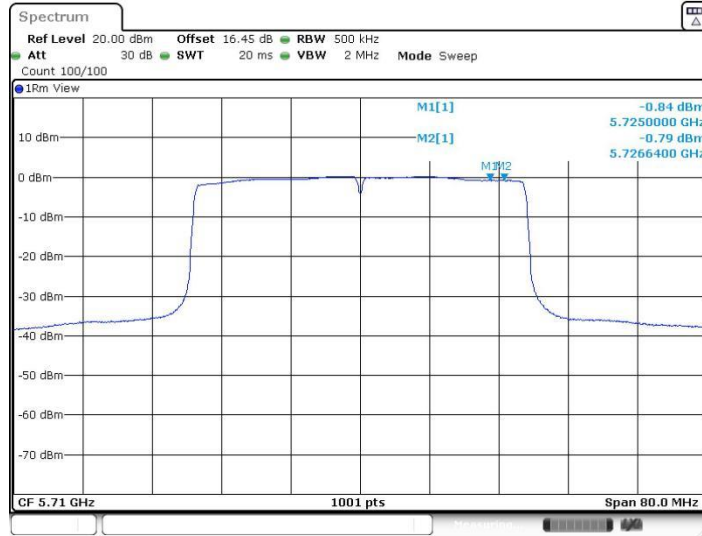
11AX40MIMO_Ant2_5710_UNII-2C



Date: 11.JUN.2022 08:24:15

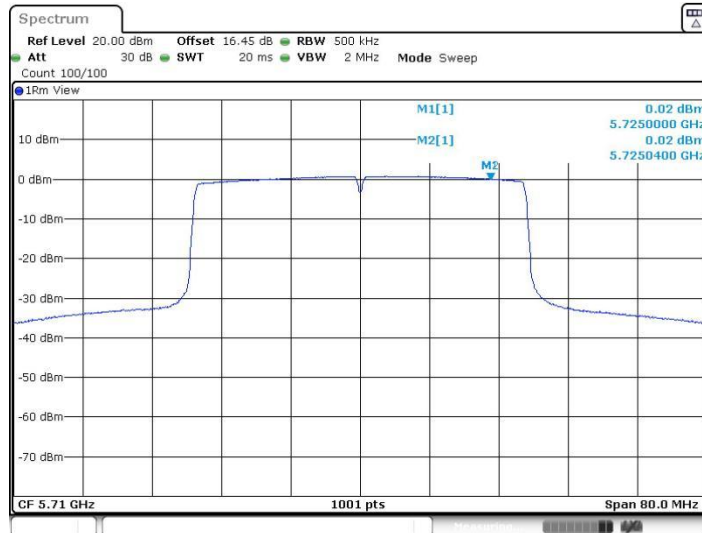


11AX40MIMO_Ant1_5710_UNII-3



Date: 11.JUN.2022 08:23:19

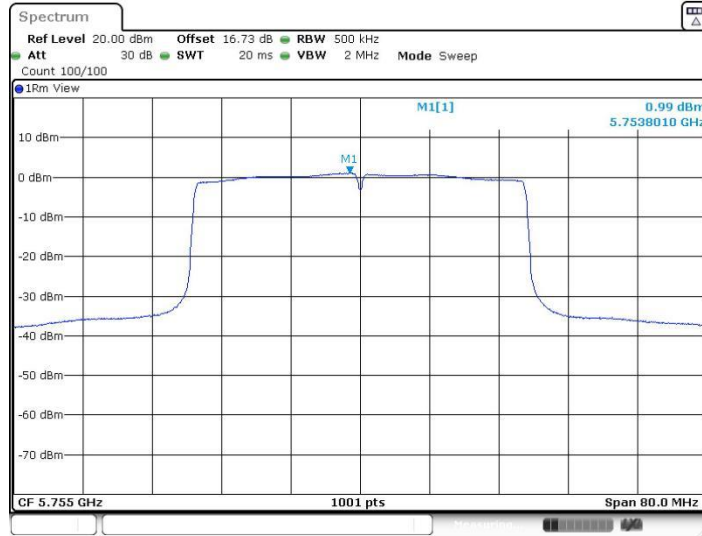
11AX40MIMO_Ant2_5710_UNII-3



Date: 11.JUN.2022 08:24:25



11AX40MIMO_Ant1_5755



Date: 11.JUN.2022 07:22:56

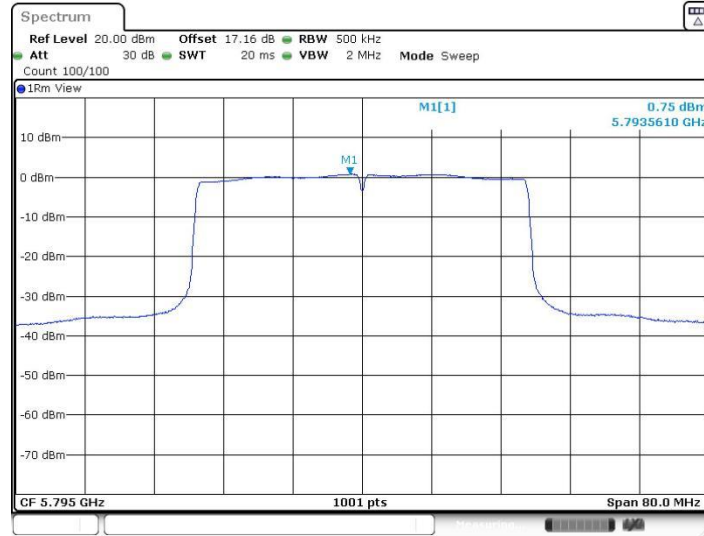
11AX40MIMO_Ant2_5755



Date: 11.JUN.2022 07:24:00

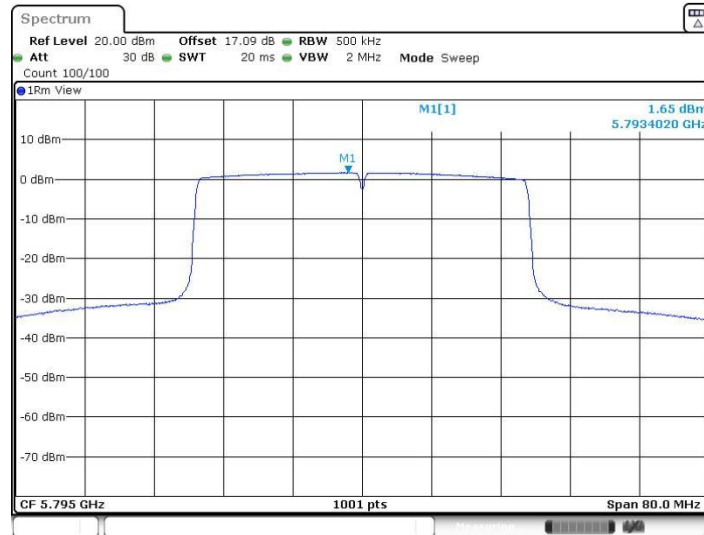


11AX40MIMO_Ant1_5795



Date: 11.JUN.2022 07:25:31

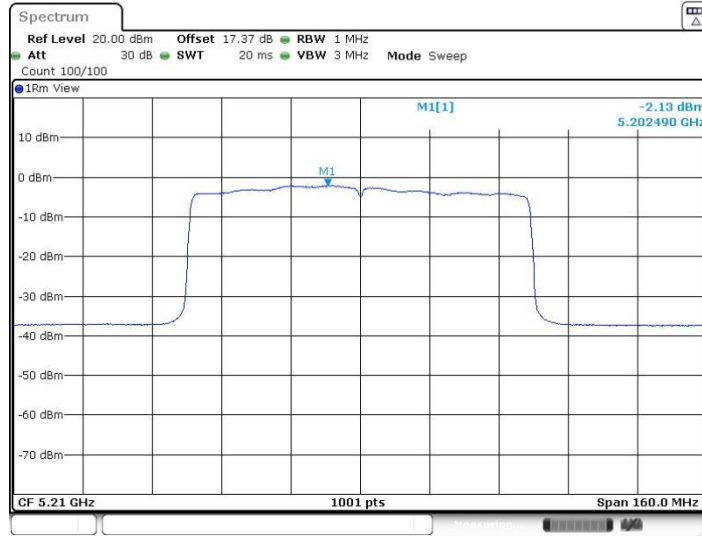
11AX40MIMO_Ant2_5795



Date: 11.JUN.2022 07:26:36



11AX80MIMO_Ant1_5210



Date: 21.JUN.2022 15:39:28

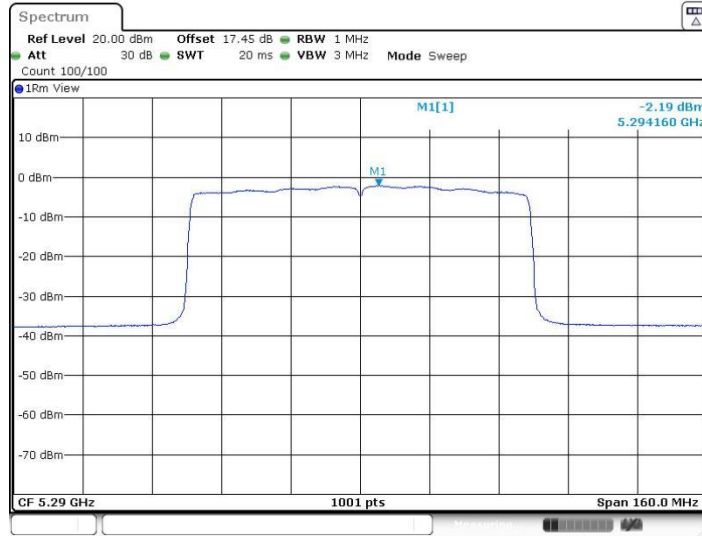
11AX80MIMO_Ant2_5210



Date: 21.JUN.2022 15:39:39



11AX80MIMO_Ant1_5290



Date: 21.JUN.2022 15:40:26

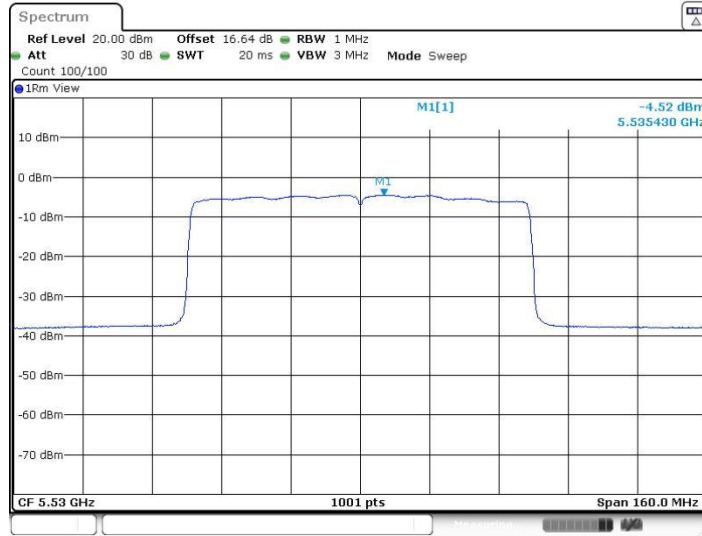
11AX80MIMO_Ant2_5290



Date: 21.JUN.2022 15:40:36



11AX80MIMO_Ant1_5530



Date: 21.JUN.2022 15:41:48

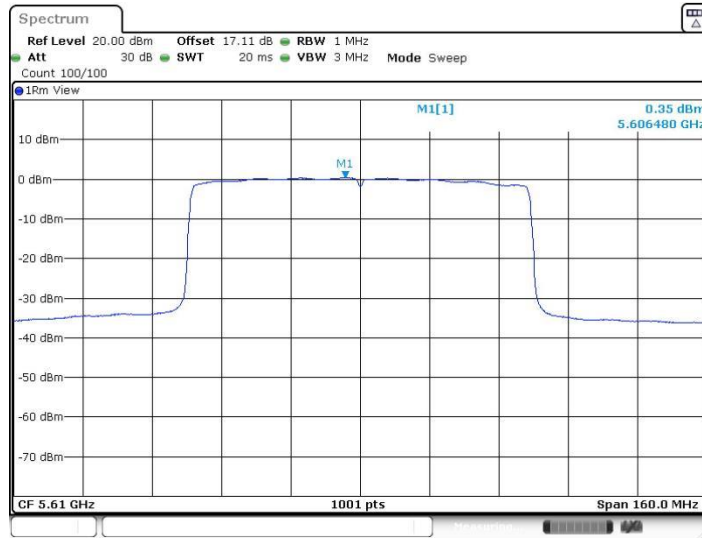
11AX80MIMO_Ant2_5530



Date: 21.JUN.2022 15:41:59



11AX80MIMO_Ant1_5610



Date: 11.JUN.2022 07:36:01

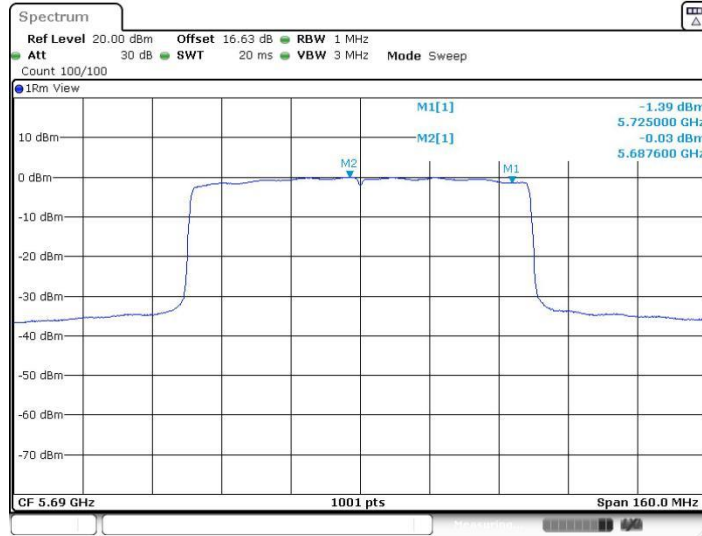
11AX80MIMO_Ant2_5610



Date: 11.JUN.2022 07:37:02

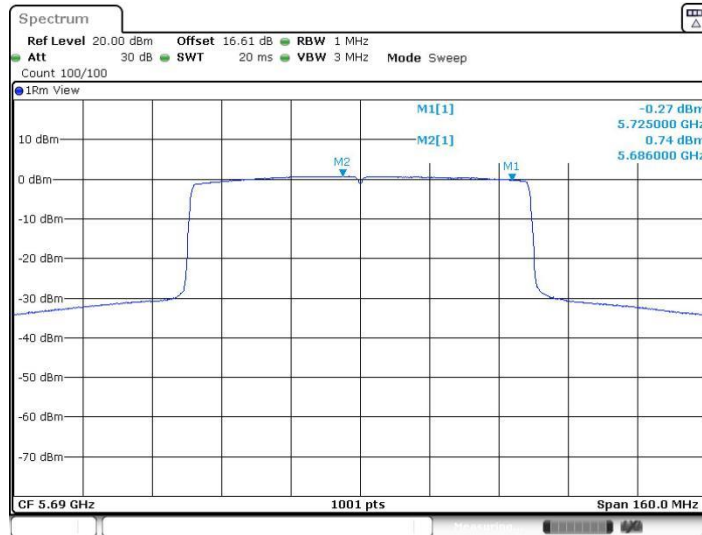


11AX80MIMO_Ant1_5690_UNII-2C



Date: 11.JUN.2022 08:26:02

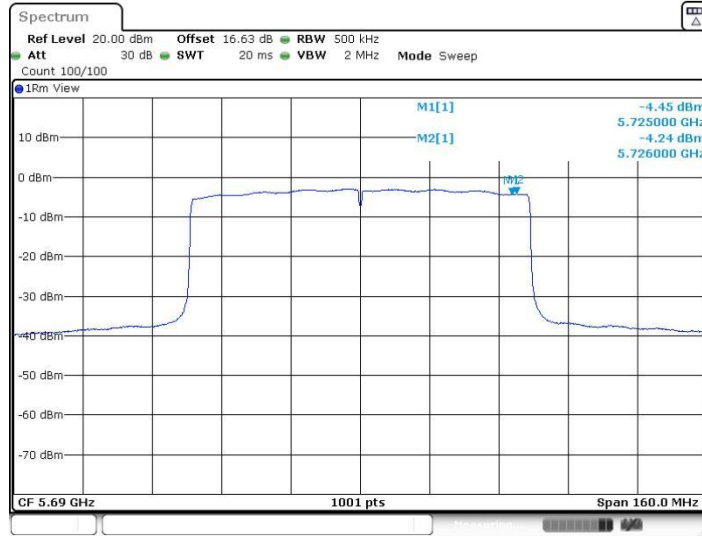
11AX80MIMO_Ant2_5690_UNII-2C



Date: 11.JUN.2022 08:27:16

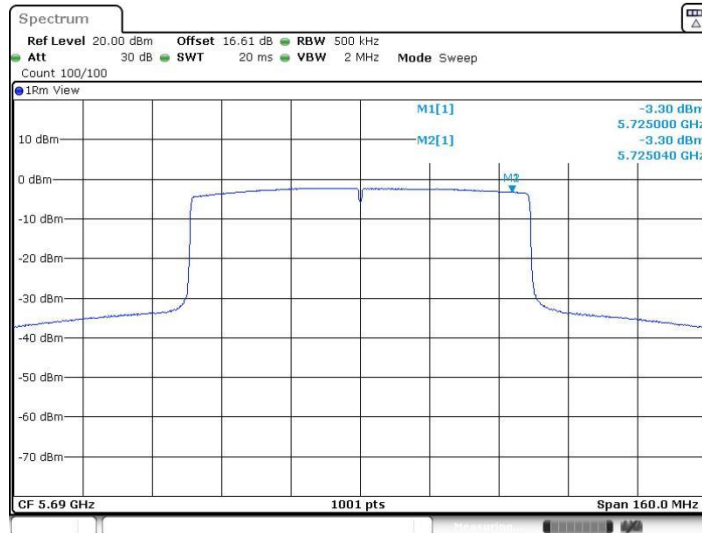


11AX80MIMO_Ant1_5690_UNII-3



Date: 11.JUN.2022 08:26:12

11AX80MIMO_Ant2_5690_UNII-3



Date: 11.JUN.2022 08:27:26



11AX80MIMO_Ant1_5775

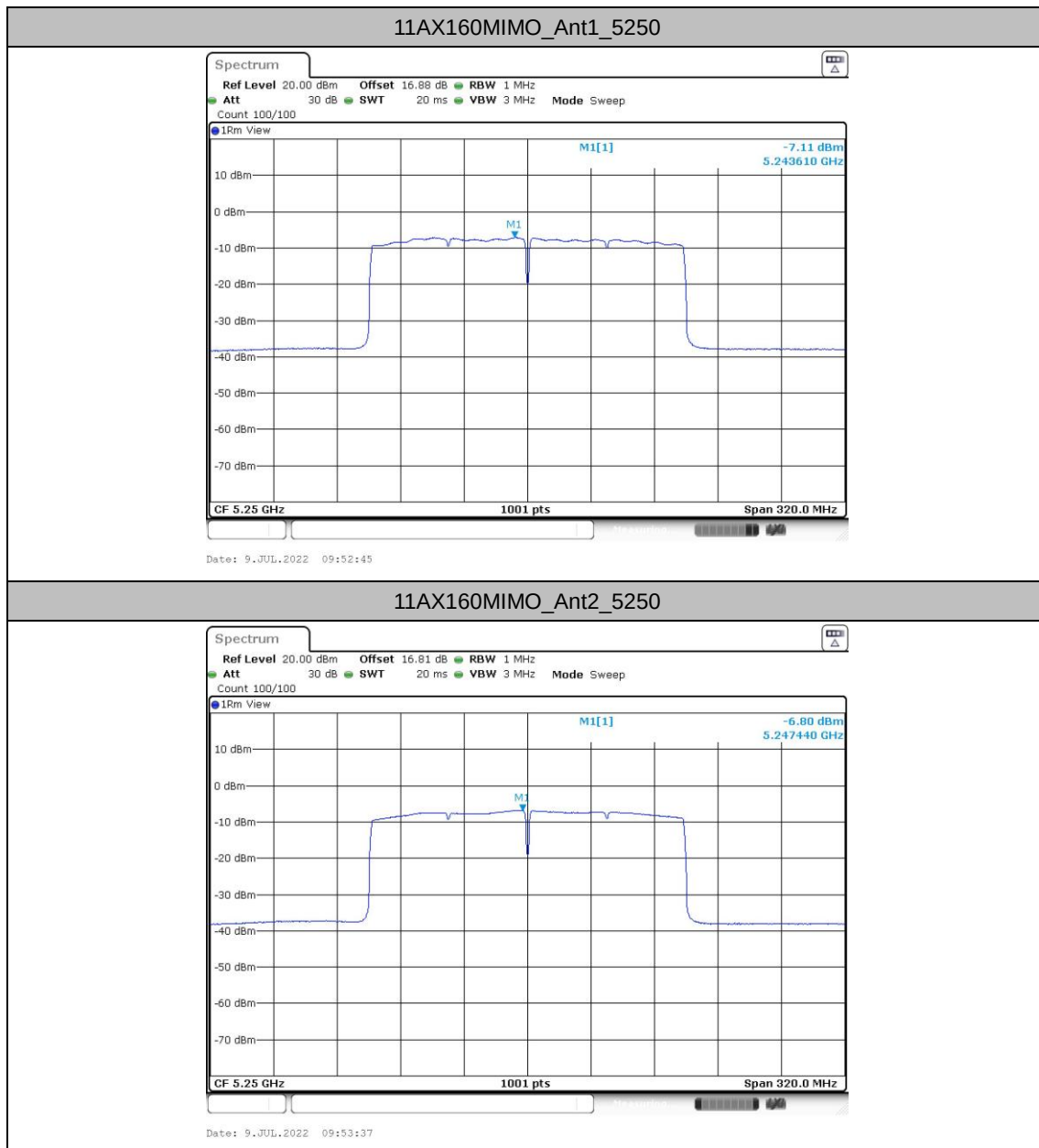


Date: 11.JUN.2022 07:38:55

11AX80MIMO_Ant2_5775

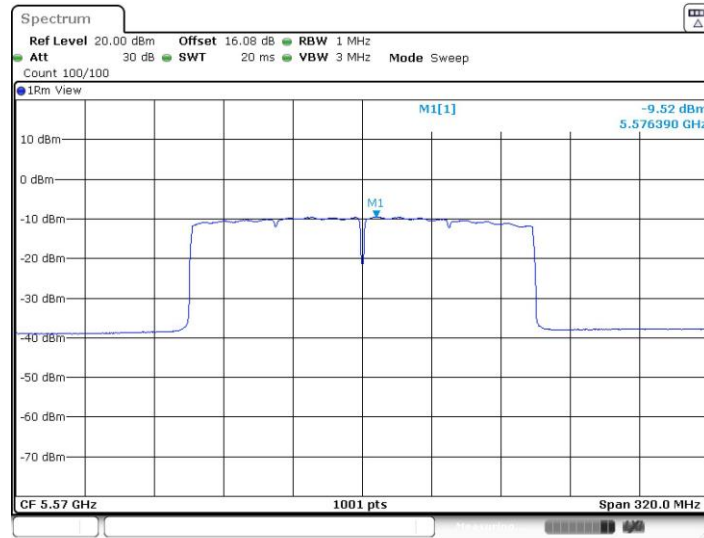


Date: 11.JUN.2022 07:39:53



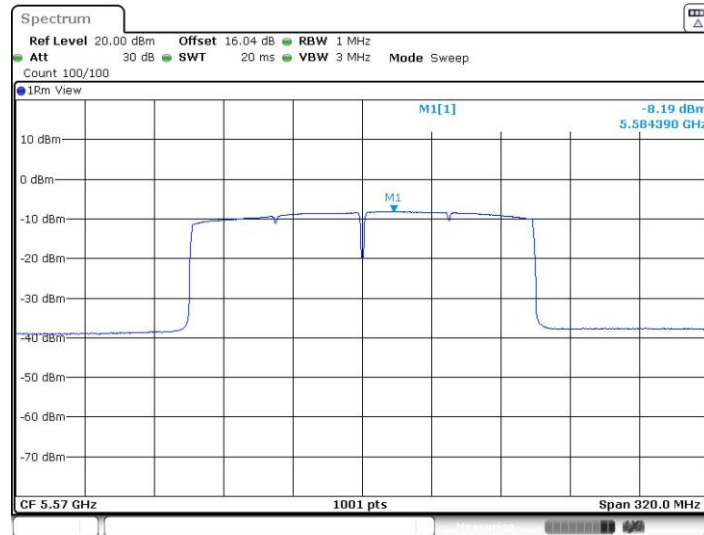


11AX160MIMO_Ant1_5570



Date: 9.JUL.2022 09:54:45

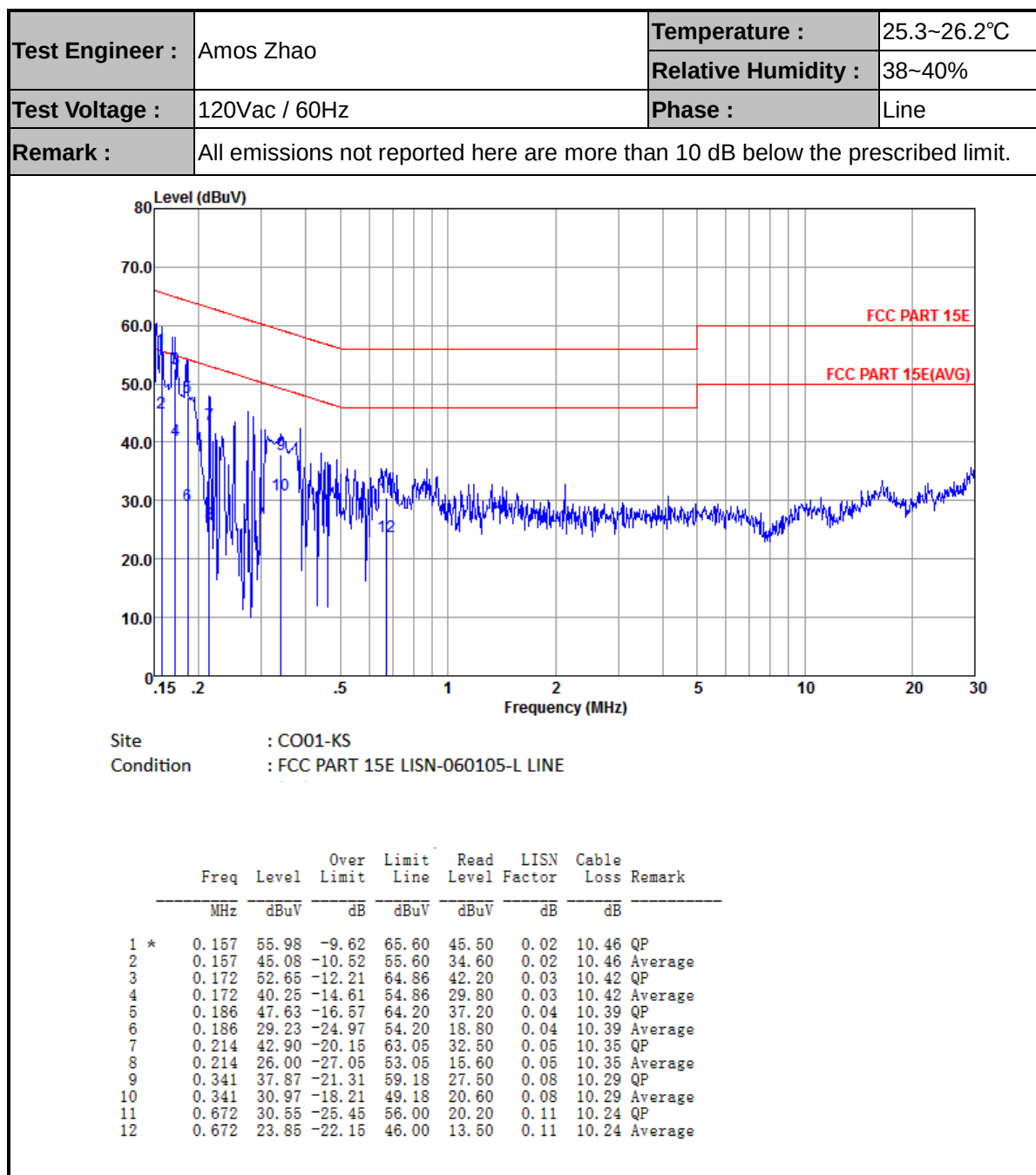
11AX160MIMO_Ant2_5570



Date: 9.JUL.2022 09:55:35

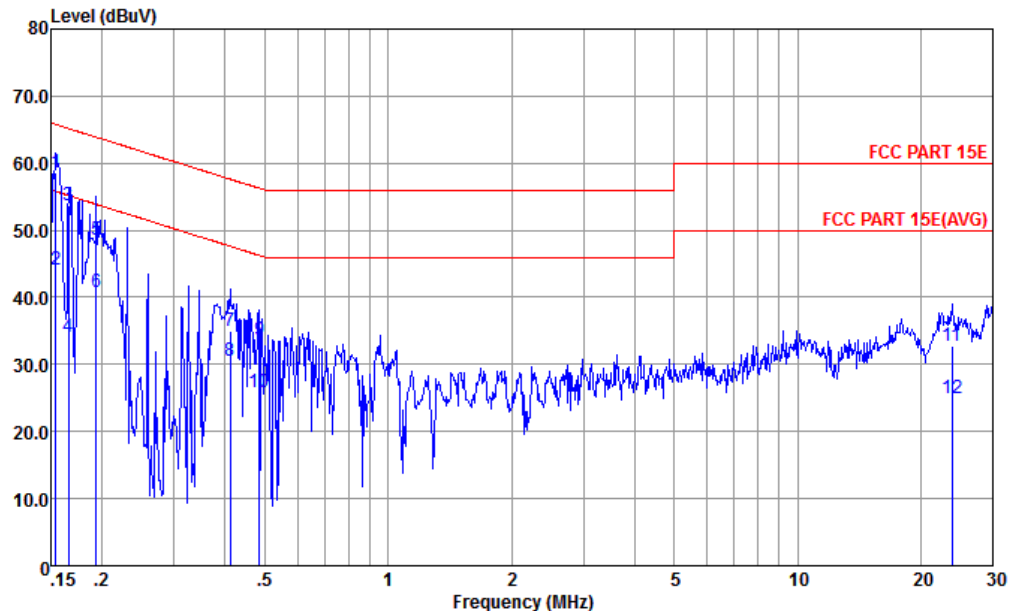


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhao	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-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.154	58.68	-7.10	65.78	48.10	0.11	10.47	QP
2	0.154	44.18	-11.60	55.78	33.60	0.11	10.47	Average
3	0.166	53.65	-11.51	65.16	43.10	0.11	10.44	QP
4	0.166	34.15	-21.01	55.16	23.60	0.11	10.44	Average
5	0.193	48.68	-15.21	63.89	38.20	0.10	10.38	QP
6	0.193	40.78	-13.11	53.89	30.30	0.10	10.38	Average
7	0.410	34.97	-22.67	57.64	24.60	0.11	10.26	QP
8	0.410	30.57	-17.07	47.64	20.20	0.11	10.26	Average
9	0.484	33.65	-22.62	56.27	23.30	0.11	10.24	QP
10	0.484	25.95	-20.32	46.27	15.60	0.11	10.24	Average
11	23.888	32.81	-27.19	60.00	21.60	0.66	10.55	QP
12	23.888	25.01	-24.99	50.00	13.80	0.66	10.55	Average

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

UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.44	63.63	-10.37	74	47.92	34.4	10.62	29.31	100	280	P	H
		5150	50.92	-3.08	54	35.21	34.4	10.62	29.31	100	280	A	H
	*	5188	109.32	-	-	93.56	34.47	10.63	29.34	100	280	P	H
		5188	102.19	-	-	86.43	34.47	10.63	29.34	100	280	A	H
		5149.92	62.94	-11.06	74	47.23	34.4	10.62	29.31	318	263	P	V
		5150	50.98	-3.02	54	35.27	34.4	10.62	29.31	318	263	A	V
	*	5188	109.36	-	-	93.6	34.47	10.63	29.34	318	263	P	V
		5188	103.67	-	-	87.91	34.47	10.63	29.34	318	263	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	45.81	-22.49	68.3	59.3	37.41	15.56	66.46	100	360	P	H
		10360	45.64	-22.66	68.3	59.13	37.41	15.56	66.46	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge @ 3m)

WIFI Ant. 2+6	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 36 5180MHz		5121.6	58.84	-15.16	74	43.18	34.33	10.61	29.28	100	334	P	H
		5102.24	48.08	-5.92	54	32.44	34.3	10.6	29.26	100	334	A	H
		5170	109.5	-	-	93.78	34.43	10.63	29.34	100	334	P	H
		5170	102.31	-	-	86.59	34.43	10.63	29.34	100	334	A	H
		5115.52	58.11	-15.89	74	42.43	34.33	10.61	29.26	314	72	P	V
		5101.44	48	-6	54	32.36	34.3	10.6	29.26	314	72	A	V
		5170	108.86	-	-	93.14	34.43	10.63	29.34	314	72	P	V
		5170	101.92	-	-	86.2	34.43	10.63	29.34	314	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

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

WIFI Ant. 2+6	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 42 5210MHz		5134.56	61.12	-12.88	74	45.42	34.37	10.61	29.28	100	88	P	H
		5144.64	50.61	-3.39	54	34.9	34.4	10.62	29.31	100	88	A	H
	*	5206	102.25	-	-	86.47	34.5	10.64	29.36	100	88	P	H
		5206	94.11	-	-	78.33	34.5	10.64	29.36	100	88	A	H
		5360.94	56.2	-17.8	74	40.37	34.5	10.85	29.52	100	88	P	H
		5352.84	45.95	-8.05	54	30.14	34.5	10.83	29.52	100	88	A	H
		5138.08	60.37	-13.63	74	44.67	34.37	10.61	29.28	283	85	P	V
		5150	50.37	-3.63	54	34.66	34.4	10.62	29.31	283	85	A	V
	*	5200	101.21	-	-	85.43	34.5	10.64	29.36	283	85	P	V
		5200	93.15	-	-	77.37	34.5	10.64	29.36	283	85	A	V
		5387.94	56.37	-17.63	74	40.55	34.5	10.87	29.55	283	85	P	V
		5350.14	45.92	-8.08	54	30.11	34.5	10.83	29.52	283	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 2+6	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 42 5210MHz		10421	44.91	-23.39	68.3	58.25	37.47	15.59	66.4	100	360	P	H
		10421	45.73	-22.57	68.3	59.07	37.47	15.59	66.4	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

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

WIFI Ant. 2+6	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 HE160 Full CH 50 5250MHz		5136	61.75	-12.25	74	46.05	34.37	10.61	29.28	100	90	P	H
		5144.8	50.69	-3.31	54	34.98	34.4	10.62	29.31	100	90	A	H
	*	5284	99.78	-	-	83.98	34.5	10.74	29.44	100	90	P	H
		5284	91.1	-	-	75.3	34.5	10.74	29.44	100	90	A	H
		5363.46	60.33	-13.67	74	44.5	34.5	10.85	29.52	100	90	P	H
		5373.54	49.39	-4.61	54	33.59	34.5	10.85	29.55	100	90	A	H
		5139.68	60.54	-13.46	74	44.8	34.4	10.62	29.28	306	85	P	V
		5140	50.04	-3.96	54	34.3	34.4	10.62	29.28	306	85	A	V
	*	5260	98.61	-	-	82.81	34.5	10.72	29.42	306	85	P	V
		5260	90.4	-	-	74.6	34.5	10.72	29.42	306	85	A	V
		5368.32	59.52	-14.48	74	43.69	34.5	10.85	29.52	306	85	P	V
		5369.58	49.1	-4.9	54	33.27	34.5	10.85	29.52	306	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-1 5150~5250MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 2+6	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 HE160 Full		10498	45.53	-22.77	68.3	58.65	37.56	15.63	66.31	100	0	P	H
CH 50 5250MHz		10498	44.24	-24.06	68.3	57.36	37.56	15.63	66.31	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

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

WIFI Ant. 2+6	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 HE160 Partial 996/S67 CH 50 5250MHz		5127.52	65.45	-8.55	74	49.75	34.37	10.61	29.28	100	301	P	H
		5147.68	48.48	-5.52	54	32.77	34.4	10.62	29.31	100	301	A	H
		5236	97.63	-	-	81.84	34.5	10.68	29.39	100	301	P	H
		5236	88.79	-	-	73	34.5	10.68	29.39	100	301	A	H
		5352.7	61.12	-12.88	74	45.31	34.5	10.83	29.52	100	301	P	H
		5353.5	46.23	-7.77	54	30.42	34.5	10.83	29.52	100	301	A	H
		5140.48	62.56	-11.44	74	46.82	34.4	10.62	29.28	312	84	P	V
		5140	48.6	-5.4	54	32.86	34.4	10.62	29.28	312	84	A	V
		5188	97.14	-	-	81.38	34.47	10.63	29.34	312	84	P	V
		5188	88	-	-	72.24	34.47	10.63	29.34	312	84	A	V
		5352.5	60.17	-13.83	74	44.36	34.5	10.83	29.52	312	84	P	V
		5350	46.22	-7.78	54	30.41	34.5	10.83	29.52	312	84	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A - 5250~5350MHz

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

WIFI Ant. 2+6	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 62 5310MHz		5134.72	57.57	-16.43	74	41.87	34.37	10.61	29.28	100	271	P	H
		5101.12	47.9	-6.1	54	32.26	34.3	10.6	29.26	100	271	A	H
		5320	107.76	-	-	91.94	34.5	10.79	29.47	100	271	P	H
		5320	99.86	-	-	84.04	34.5	10.79	29.47	100	271	A	H
		5355.4	69.11	-4.89	74	53.3	34.5	10.83	29.52	100	271	P	H
		5355.8	50.76	-3.24	54	34.95	34.5	10.83	29.52	100	271	A	H
		5109.76	58.1	-15.9	74	42.42	34.33	10.61	29.26	296	263	P	V
		5100.48	47.91	-6.09	54	32.27	34.3	10.6	29.26	296	263	A	V
		5320	106.88	-	-	91.06	34.5	10.79	29.47	296	263	P	V
		5320	99.54	-	-	83.72	34.5	10.79	29.47	296	263	A	V
		5354.2	70.71	-3.29	74	54.9	34.5	10.83	29.52	296	263	P	V
		5350	48.31	-5.69	54	32.5	34.5	10.83	29.52	296	263	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C - 5470~5725MHz

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

WIFI Ant. 2+6	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 102 5510MHz		5453.36	58.25	-15.75	74	42.38	34.53	10.97	29.63	103	87	P	H
		5466.16	62.79	-5.51	68.3	46.9	34.53	10.99	29.63	103	87	P	H
		5460	48.42	-5.58	54	32.55	34.53	10.97	29.63	103	87	A	H
	*	5524	107.42	-	-	91.48	34.56	11.06	29.68	103	87	P	H
		5524	98.88	-	-	82.94	34.56	11.06	29.68	103	87	A	H
		5758.12	57.82	-10.48	68.3	41.31	34.93	11.35	29.77	103	87	P	H
		5459.28	58.74	-15.26	74	42.87	34.53	10.97	29.63	300	89	P	V
		5467.44	64.76	-3.54	68.3	48.87	34.53	10.99	29.63	300	89	P	V
		5458.32	48.55	-5.45	54	32.68	34.53	10.97	29.63	300	89	A	V
	*	5506	103.96	-	-	88.05	34.55	11.04	29.68	300	89	P	V
		5506	96.54	-	-	80.63	34.55	11.04	29.68	300	89	A	V
		5749.32	58.1	-10.2	68.3	41.65	34.89	11.34	29.78	300	89	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5470~5725MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 2+6	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 102 5510MHz		11015	44.91	-29.09	74	56.61	38.11	15.91	65.72	300	360	P	H
		11015	44.87	-29.13	74	56.57	38.11	15.91	65.72	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

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

WIFI Ant. 2+6	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 106 5530MHz		5435.76	61.69	-12.31	74	45.83	34.52	10.94	29.6	101	265	P	H
		5469.04	64.13	-4.17	68.3	48.24	34.53	10.99	29.63	101	265	P	H
		5456.24	46.8	-7.2	54	30.93	34.53	10.97	29.63	101	265	A	H
		5506	104.4	-	-	88.49	34.55	11.04	29.68	101	265	P	H
		5506	95.07	-	-	79.16	34.55	11.04	29.68	101	265	A	H
		5759.64	57.85	-10.45	68.3	41.34	34.93	11.35	29.77	101	265	P	H
		5459.76	63.35	-10.65	74	47.48	34.53	10.97	29.63	295	263	P	V
		5463.44	65.26	-3.04	68.3	49.37	34.53	10.99	29.63	295	263	P	V
		5459.12	47.01	-6.99	54	31.14	34.53	10.97	29.63	295	263	A	V
		5500	103.43	-	-	87.49	34.55	11.04	29.65	295	263	P	V
		5500	93.87	-	-	77.93	34.55	11.04	29.65	295	263	A	V
		5728.92	59	-9.3	68.3	42.62	34.85	11.32	29.79	295	263	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamplifier Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		30	23.55	-16.45	40	30.67	24.8	0.88	32.8	-	-	P	H
		63.95	30.96	-9.04	40	50.82	11.8	1.27	32.93	-	-	P	H
		160.95	37.77	-5.73	43.5	52.14	16.53	2.02	32.92	-	-	P	H
		317.12	32.59	-13.41	46	43.15	19.55	2.86	32.97	-	-	P	H
		381.14	34.53	-11.47	46	43.3	21.08	3.12	32.97	-	-	P	H
		612	29.79	-16.21	46	33.3	25.82	3.95	33.28	-	-	P	H
		67.83	29.12	-10.88	40	48.76	11.98	1.31	32.93	-	-	P	V
		184.23	34.89	-8.61	43.5	50.19	15.49	2.17	32.96	-	-	P	V
		209.45	37.82	-5.68	43.5	52.98	15.51	2.32	32.99	-	-	P	V
		247.28	39.55	-6.45	46	51.74	18.29	2.53	33.01	-	-	P	V
		372.41	33.39	-12.61	46	42.43	20.83	3.09	32.96	-	-	P	V
		557.68	32.95	-13.05	46	37.32	25.19	3.77	33.33	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



UNII-3 - 5725~5850MHz

WIFI 802.11ax HE20_Full (Band Edge @ 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.	
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 165 5825MHz		5824	108.25	-	-	91.55	35.05	11.41	29.76	100	236	P	H
		5824	101.1	-	-	84.4	35.05	11.41	29.76	100	236	P	H
		5854	64.03	-49.15	113.18	47.25	35.1	11.43	29.75	100	236	P	H
		5855.69	62.44	-48.27	110.71	45.66	35.1	11.43	29.75	100	236	P	H
		5884.8	58.15	-39.87	98.02	41.39	35.12	11.44	29.8	100	236	P	H
		5985.2	58.02	-10.28	68.3	41.1	35.27	11.51	29.86	100	236	A	H
		5818	107.2	-	-	90.53	35.03	11.4	29.76	297	97	P	V
		5818	96.89	-	-	80.22	35.03	11.4	29.76	297	97	P	V
		5850	64.57	-57.73	122.3	47.82	35.08	11.42	29.75	297	97	P	V
		5858	57.44	-52.62	110.06	40.68	35.1	11.43	29.77	297	97	P	V
		5904.8	58.24	-24.97	83.21	41.4	35.17	11.47	29.8	297	97	P	V
		5946	59.05	-9.25	68.3	42.18	35.22	11.49	29.84	297	97	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_Full (Harmonic @ 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.	
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 165 5825MHz		11653	44.75	-29.25	74	55.38	38.5	16.23	65.36	100	0	P	H
		11653	44.94	-29.06	74	55.57	38.5	16.23	65.36	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2+6	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 106/54 CH 165 5825MHz		5836	108.75	-	-	92.04	35.05	11.41	29.75	100	235	P	H
		5836	98.55	-	-	81.84	35.05	11.41	29.75	100	235	P	H
		5850.4	56.49	-64.9	121.39	39.74	35.08	11.42	29.75	100	235	P	H
		5858.8	57.6	-52.23	109.83	40.84	35.1	11.43	29.77	100	235	P	H
		5878	58.46	-44.61	103.07	41.67	35.12	11.44	29.77	100	235	P	H
		5964	57.75	-10.55	68.3	40.86	35.25	11.5	29.86	100	235	A	H
		5830	105.94	-	-	89.24	35.05	11.41	29.76	295	100	P	V
		5830	97.71	-	-	81.01	35.05	11.41	29.76	295	100	P	V
		5851.2	56.81	-62.75	119.56	40.06	35.08	11.42	29.75	295	100	P	V
		5869.6	57.95	-48.86	106.81	41.19	35.1	11.43	29.77	295	100	P	V
		5894	59.02	-32.18	91.2	42.22	35.15	11.45	29.8	295	100	P	V
		5933.2	58.57	-9.73	68.3	41.71	35.2	11.48	29.82	295	100	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. 2+6	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		5647.2	56.51	-11.79	68.3	40.42	34.67	11.23	29.81	100	235	P	H
		5685.6	57.47	-37.21	94.68	41.21	34.78	11.28	29.8	100	235	P	H
		5702	57.55	-48.31	105.86	41.23	34.82	11.3	29.8	100	235	P	H
		5720	56.11	-54.79	110.9	39.73	34.85	11.32	29.79	100	235	P	H
		5806	107.43	-	-	90.76	35.03	11.4	29.76	100	235	P	H
		5806	99.01	-	-	82.34	35.03	11.4	29.76	100	235	A	H
		5850	59.58	-62.72	122.3	42.83	35.08	11.42	29.75	100	235	P	H
		5865.2	58.04	-50	108.04	41.28	35.1	11.43	29.77	100	235	P	H
		5886.4	58.22	-38.62	96.84	41.46	35.12	11.44	29.8	100	235	P	H
		5947.2	58.99	-9.31	68.3	42.12	35.22	11.49	29.84	100	235	P	H
		5628.8	57.25	-11.05	68.3	41.21	34.64	11.21	29.81	313	100	P	V
		5697.6	57.71	-45.82	103.53	41.45	34.78	11.28	29.8	313	100	P	V
		5707.6	57.11	-50.32	107.43	40.78	34.82	11.3	29.79	313	100	P	V
		5720.8	56.69	-56.03	112.72	40.31	34.85	11.32	29.79	313	100	P	V
		5788	102.96	-	-	86.33	35	11.39	29.76	313	100	P	V
		5788	95.22	-	-	78.59	35	11.39	29.76	313	100	A	V
		5850.8	56.5	-63.98	120.48	39.75	35.08	11.42	29.75	313	100	P	V
		5873.2	57.36	-48.44	105.8	40.57	35.12	11.44	29.77	313	100	P	V
		5922.8	58.45	-11.47	69.92	41.59	35.2	11.48	29.82	313	100	P	V
		5973.6	57.63	-10.67	68.3	40.71	35.27	11.51	29.86	313	100	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_Full (Harmonic @ 3m)

WIFI Ant. 2+6	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		11587	45.03	-28.97	74	55.77	38.46	16.2	65.4	100	0	P	H
CH 159 5795MHz		11587	46.82	-27.18	74	57.56	38.46	16.2	65.4	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. 2+6	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 262/62 CH 159 5795MHz		5621.6	58.05	-10.25	68.3	41.98	34.64	11.21	29.78	100	235	P	H
		5664.4	58.17	-20.82	78.99	42.02	34.71	11.24	29.8	100	235	P	H
		5701.6	56.45	-49.3	105.75	40.13	34.82	11.3	29.8	100	235	P	H
		5721.2	56.72	-56.92	113.64	40.34	34.85	11.32	29.79	100	235	P	H
		5806	108.64	-	-	91.97	35.03	11.4	29.76	100	235	P	H
		5806	98.36	-	-	81.69	35.03	11.4	29.76	100	235	A	H
		5854.4	60.54	-51.73	112.27	43.76	35.1	11.43	29.75	100	235	P	H
		5870.8	58.09	-48.38	106.47	41.3	35.12	11.44	29.77	100	235	P	H
		5884.8	57.63	-40.39	98.02	40.87	35.12	11.44	29.8	100	235	P	H
		5994	57	-11.3	68.3	40.07	35.3	11.52	29.89	100	235	P	H
		5609.2	56.58	-11.72	68.3	40.57	34.6	11.19	29.78	282	94	P	V
		5693.6	56.33	-44.25	100.58	40.07	34.78	11.28	29.8	282	94	P	V
		5712.4	56.22	-52.55	108.77	39.89	34.82	11.3	29.79	282	94	P	V
		5722.8	56.42	-60.86	117.28	40.04	34.85	11.32	29.79	282	94	P	V
		5800	102.98	-	-	86.35	35	11.39	29.76	282	94	P	V
		5800	95.24	-	-	78.61	35	11.39	29.76	282	94	A	V
		5850.8	56.32	-64.16	120.48	39.57	35.08	11.42	29.75	282	94	P	V
		5857.6	57.32	-52.85	110.17	40.54	35.1	11.43	29.75	282	94	P	V
		5911.6	58.32	-19.87	78.19	41.5	35.17	11.47	29.82	282	94	P	V
		5941.2	58.31	-9.99	68.3	41.44	35.22	11.49	29.84	282	94	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_Full (Band Edge @ 3m)

WIFI Ant. 2+6	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		5648.4	57.65	-10.65	68.3	41.56	34.67	11.23	29.81	100	235	P	H
		5684.4	67.56	-26.23	93.79	51.3	34.78	11.28	29.8	100	235	P	H
		5715.6	70.7	-38.97	109.67	54.37	34.82	11.3	29.79	100	235	P	H
		5724.8	71.97	-49.87	121.84	55.59	34.85	11.32	29.79	100	235	P	H
		5776	104.17	-	-	87.61	34.96	11.37	29.77	100	235	P	H
		5776	95.82	-	-	79.26	34.96	11.37	29.77	100	235	A	H
		5853.67	66.15	-47.78	113.93	49.37	35.1	11.43	29.75	100	235	P	H
		5856.47	66.15	-44.34	110.49	49.37	35.1	11.43	29.75	100	235	P	H
		5875.6	61.03	-43.82	104.85	44.24	35.12	11.44	29.77	100	235	P	H
		5950.8	58.26	-10.04	68.3	41.39	35.22	11.49	29.84	100	235	P	H
		5642.8	57.74	-10.56	68.3	41.65	34.67	11.23	29.81	303	98	P	V
		5699.6	63.76	-41.25	105.01	47.5	34.78	11.28	29.8	303	98	P	V
		5719.6	66.83	-43.96	110.79	50.45	34.85	11.32	29.79	303	98	P	V
		5721.6	66.03	-48.52	114.55	49.65	34.85	11.32	29.79	303	98	P	V
		5770	100.56	-	-	84	34.96	11.37	29.77	303	98	P	V
		5770	92.26	-	-	75.7	34.96	11.37	29.77	303	98	A	V
		5850.4	64.32	-57.07	121.39	47.57	35.08	11.42	29.75	303	98	P	V
		5861.2	63.9	-45.26	109.16	47.14	35.1	11.43	29.77	303	98	P	V
		5880.8	58.36	-42.63	100.99	41.57	35.12	11.44	29.77	303	98	P	V
		5970	57.54	-10.76	68.3	40.65	35.25	11.5	29.86	303	98	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_Full (Harmonic @ 3m)**

WIFI Ant. 2+6	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		11554	45.22	-28.78	74	56.02	38.44	16.18	65.42	300	0	P	H
CH 155 5775MHz		11554	44.68	-29.32	74	55.48	38.44	16.18	65.42	100	0	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 484 (Band Edge @ 3m)

WIFI Ant. 2+6	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		5630	61.21	-7.09	68.3	45.17	34.64	11.21	29.81	100	235	P	H
		5685.6	64.91	-29.77	94.68	48.65	34.78	11.28	29.8	100	235	P	H
		5714.8	73.94	-35.51	109.45	57.61	34.82	11.3	29.79	100	235	P	H
		5723.2	68.26	-49.94	118.2	51.88	34.85	11.32	29.79	100	235	P	H
		5794	103.59	-	-	86.96	35	11.39	29.76	100	235	P	H
		5794	95.54	-	-	78.91	35	11.39	29.76	100	235	A	H
		5854.4	70.16	-42.11	112.27	53.38	35.1	11.43	29.75	100	235	P	H
		5855.6	70.65	-40.08	110.73	53.87	35.1	11.43	29.75	100	235	P	H
		5877.2	59.92	-43.75	103.67	43.13	35.12	11.44	29.77	100	235	P	H
		5960.4	57.5	-10.8	68.3	40.61	35.25	11.5	29.86	100	235	P	H
		5647.6	56.99	-11.31	68.3	40.9	34.67	11.23	29.81	282	94	P	V
		5676.8	61.71	-26.46	88.17	45.5	34.75	11.26	29.8	282	94	P	V
		5712	68.2	-40.46	108.66	51.87	34.82	11.3	29.79	282	94	P	V
		5721.6	61.14	-53.41	114.55	44.76	34.85	11.32	29.79	282	94	P	V
		5788	101.7	-	-	85.07	35	11.39	29.76	282	94	P	V
		5788	92.65	-	-	76.02	35	11.39	29.76	282	94	A	V
		5850	63.31	-58.99	122.3	46.56	35.08	11.42	29.75	282	94	P	V
		5858	63.56	-46.5	110.06	46.8	35.1	11.43	29.77	282	94	P	V
		5880.4	61.86	-39.43	101.29	45.07	35.12	11.44	29.77	282	94	P	V
		5948.8	58.28	-10.02	68.3	41.41	35.22	11.49	29.84	282	94	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11ax HE80_Partial 484 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2+6		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
WIFI 802.11ax HE80 _Partial 484 LF		35.82	28	-12	40	38.08	21.82	0.97	32.87	-	-	P	H
		73.65	25.12	-14.88	40	44.01	12.66	1.36	32.91	-	-	P	H
		191.02	28.45	-15.05	43.5	44.02	15.19	2.21	32.97	-	-	P	H
		288.02	26.22	-19.78	46	37.45	19.04	2.73	33	-	-	P	H
		384.05	25.5	-20.5	46	34.19	21.16	3.13	32.98	-	-	P	H
		607.15	31.41	-14.59	46	34.98	25.77	3.94	33.28	-	-	P	H
		33.88	36.45	-3.55	40	45.47	22.88	0.94	32.84	-	-	P	V
		73.65	26.92	-13.08	40	45.81	12.66	1.36	32.91	-	-	P	V
		199.75	28.23	-15.27	43.5	44.15	14.8	2.27	32.99	-	-	P	V
		320.03	24.56	-21.44	46	35.04	19.6	2.88	32.96	-	-	P	V
		508.21	28.86	-17.14	46	34.63	24	3.6	33.37	-	-	P	V
		607.15	34.73	-11.27	46	38.3	25.77	3.94	33.28	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location

BLE(2M)_Ch39 Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link
(Band Edge @ 3m)

BLE(2M)	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE(2M) CH 39 2480MHz	*	2488.78	57.15	-16.85	74	48.35	32.15	7.32	30.67	195	124	P	H
	*	2483.5	48.39	-5.61	54	39.66	32.12	7.28	30.67	195	124	A	H
		2480	97.98	-	-	89.25	32.12	7.28	30.67	195	124	P	H
		2480	93.86	-	-	85.13	32.12	7.28	30.67	195	124	A	H
	*	2494.54	57.5	-16.5	74	48.63	32.15	7.32	30.6	376	244	P	V
	*	2485.24	47.99	-6.01	54	39.26	32.12	7.28	30.67	376	244	A	V
		2480	94.23	-	-	85.5	32.12	7.28	30.67	376	244	P	V
		2480	92.22	-	-	83.49	32.12	7.28	30.67	376	244	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

BLE(2M)_Ch39 Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link
(Harmonic @ 3m)

BLE(2M)	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE(2M) CH 39 2480MHz		4965	41.2	-32.8	74	62.04	34.1	10.51	65.45	300	0	P	H
		7440	42.2	-31.8	74	58.85	35.8	12.88	65.33	300	0	P	H
		4965	41.18	-32.82	74	62.02	34.1	10.51	65.45	100	0	P	V
		7440	41.48	-32.52	74	58.13	35.8	12.88	65.33	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



BLE(2M)_Ch39 Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link
(Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5146.88	59.9	-14.1	74	44.19	34.4	10.62	29.31	100	273	P	H
		5150	48.94	-5.06	54	33.23	34.4	10.62	29.31	100	273	A	H
	*	5176	109.12	-	-	93.36	34.47	10.63	29.34	100	273	P	H
		5176	101.36	-	-	85.6	34.47	10.63	29.34	100	273	A	H
		5150	65.03	-8.97	74	49.32	34.4	10.62	29.31	299	260	P	V
		5150	50.35	-3.65	54	34.64	34.4	10.62	29.31	299	260	A	V
	*	5188	110.21	-	-	94.45	34.47	10.63	29.34	299	260	P	V
		5188	102.93	-	-	87.17	34.47	10.63	29.34	299	260	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

BLE(2M)_Ch39 Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link
(Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10355	44.5	-23.8	68.3	58.04	37.39	15.55	66.48	100	0	P	H
		10355	44.39	-23.91	68.3	57.93	37.39	15.55	66.48	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11 ax HE40 Full Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link

(Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 09 2452MHz		2484.64	67.07	-6.93	74	58.34	32.12	7.28	30.67	359	111	P	H
		2485.72	47.85	-6.15	54	39.12	32.12	7.28	30.67	359	111	A	H
	*	2436	108.27	-	-	99.84	32.05	7.19	30.81	359	111	P	H
	*	2436	98.1	-	-	89.67	32.05	7.19	30.81	359	111	A	H
		2483.92	62.65	-11.35	74	53.92	32.12	7.28	30.67	338	227	P	V
		2483.5	47.96	-6.04	54	39.23	32.12	7.28	30.67	338	227	A	V
	*	2440	103.27	-	-	94.78	32.08	7.22	30.81	338	227	P	V
	*	2440	93.83	-	-	85.34	32.08	7.22	30.81	338	227	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11 ax HE40 Full Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link

(Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 09 2452MHz		4905	39.96	-34.04	74	60.86	34.1	10.44	65.44	100	360	P	H
		7350	42.19	-31.81	74	58.84	35.8	12.83	65.28	100	360	P	H
		4904	40.32	-33.68	74	61.22	34.1	10.44	65.44	100	0	P	V
		7350	41.64	-32.36	74	58.29	35.8	12.83	65.28	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11 ax HE40 Full Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link

(Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.52	64.02	-9.98	74	48.31	34.4	10.62	29.31	100	93	P	H
		5150	49.71	-4.29	54	34	34.4	10.62	29.31	100	93	A	H
	*	5182	108.44	-	-	92.68	34.47	10.63	29.34	100	93	P	H
		5182	101.31	-	-	85.55	34.47	10.63	29.34	100	93	A	H
		5149.76	62.75	-11.25	74	47.04	34.4	10.62	29.31	355	259	P	V
		5150	49.85	-4.15	54	34.14	34.4	10.62	29.31	355	259	A	V
	*	5176	106.96	-	-	91.2	34.47	10.63	29.34	355	259	P	V
		5176	99.43	-	-	83.67	34.47	10.63	29.34	355	259	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11 ax HE40 Full Tx & WIFI 802.11a CH36 Tx & Part 96 _B48_BW_20M Link

(Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10355	44.43	-23.87	68.3	57.97	37.39	15.55	66.48	300	0	P	H
		10355	46.11	-22.19	68.3	59.65	37.39	15.55	66.48	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average 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		(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:

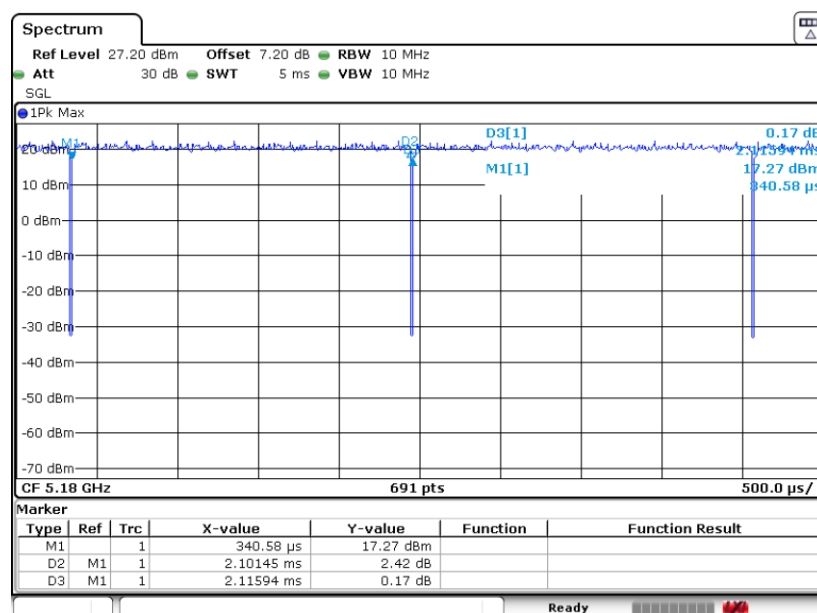
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	99.32	-	-	10Hz
802.11ax HE20	100	-	-	10Hz
802.11ax HE40	100	-	-	10HZ
802.11ax HE80	100	-	-	10HZ
802.11ax HE160	100	-	-	10HZ

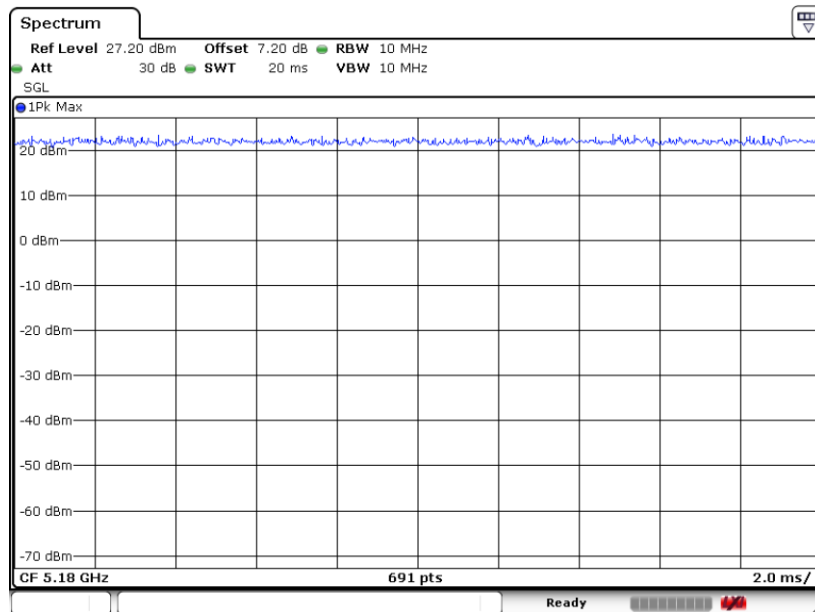
802.11a



Date: 2 JUN 2022 20:22:47

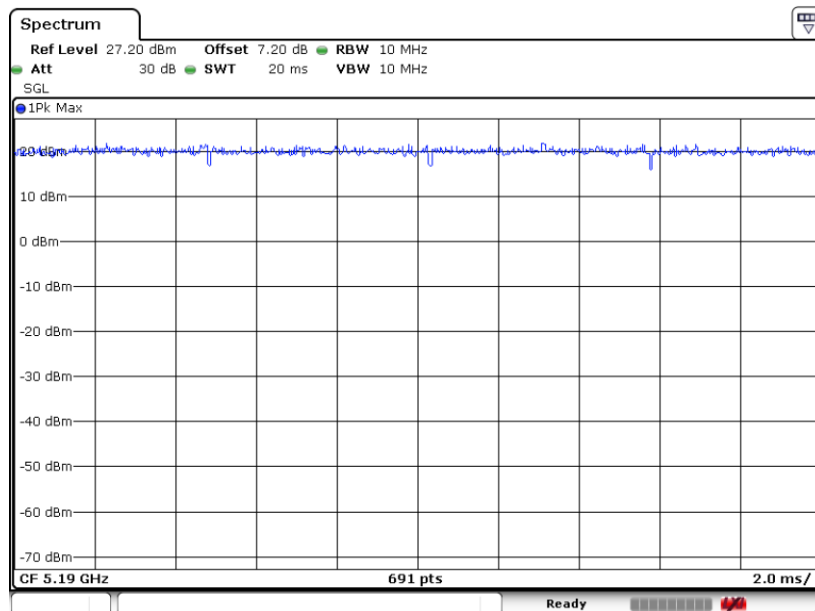


802.11ax HE20



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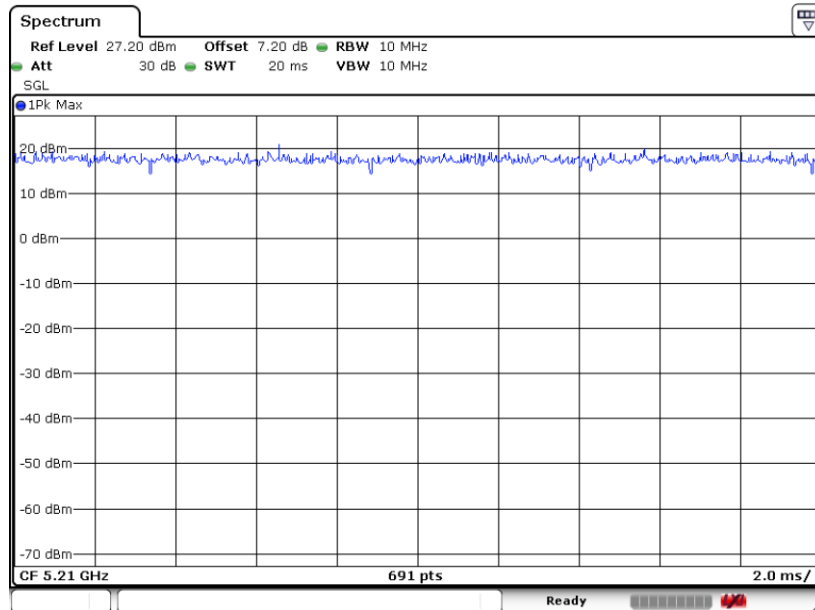
802.11ax HE40



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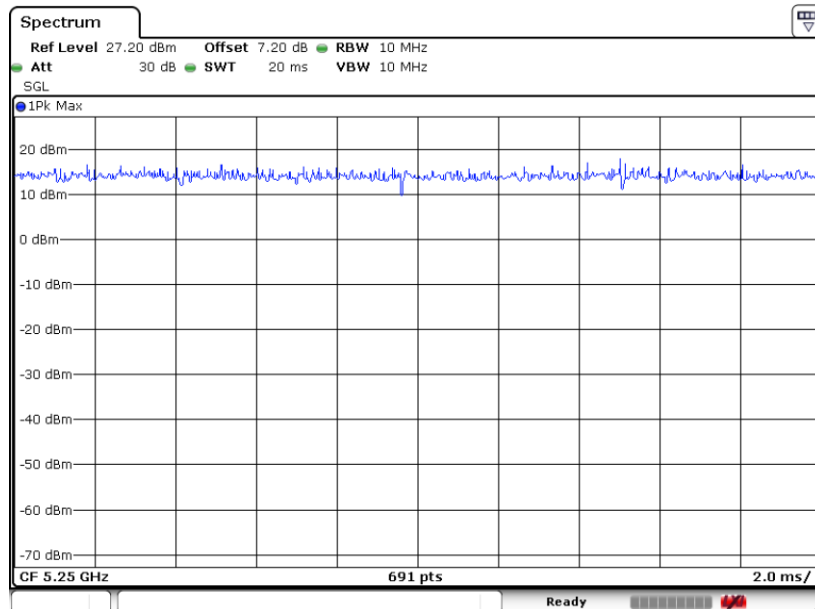


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