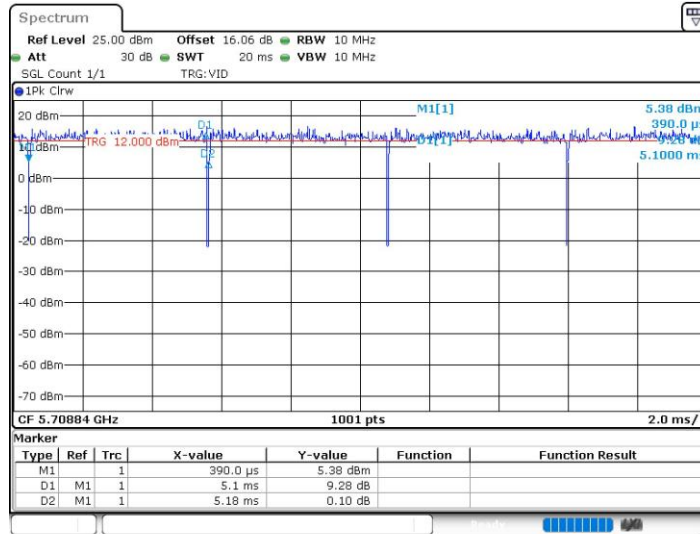
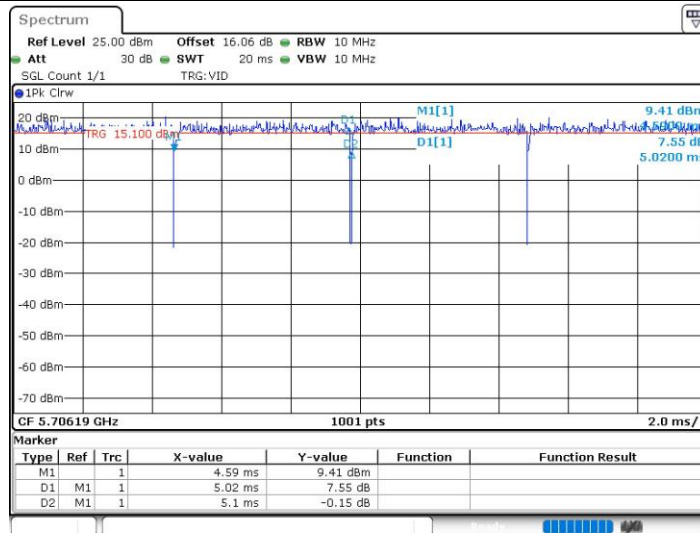


11AX20MIMO_Ant8_5700_26Tone_RU8



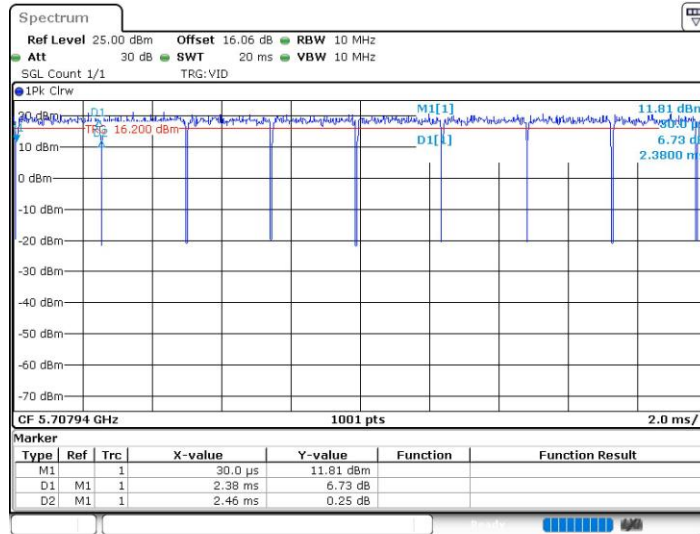
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11AX20MIMO_Ant8_5700_52Tone_RU40



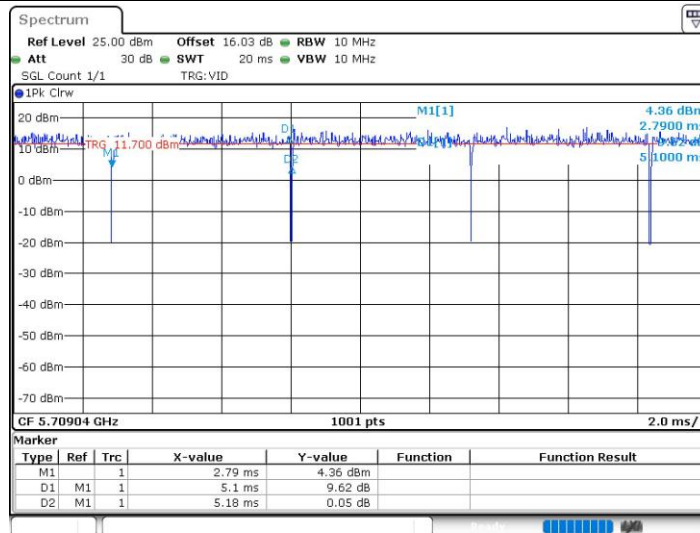
Date: 30.MAR.2022 08:11:55

11AX20MIMO_Ant8_5700_106Tone_RU54



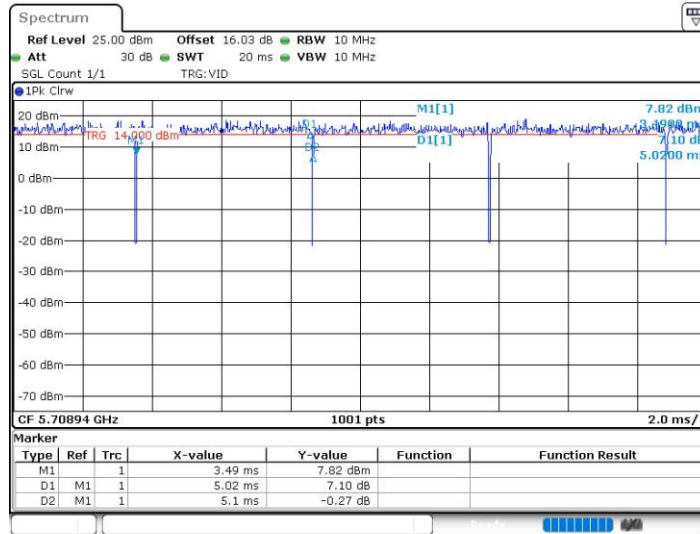
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11AX20MIMO_Ant9_5700_26Tone_RU8



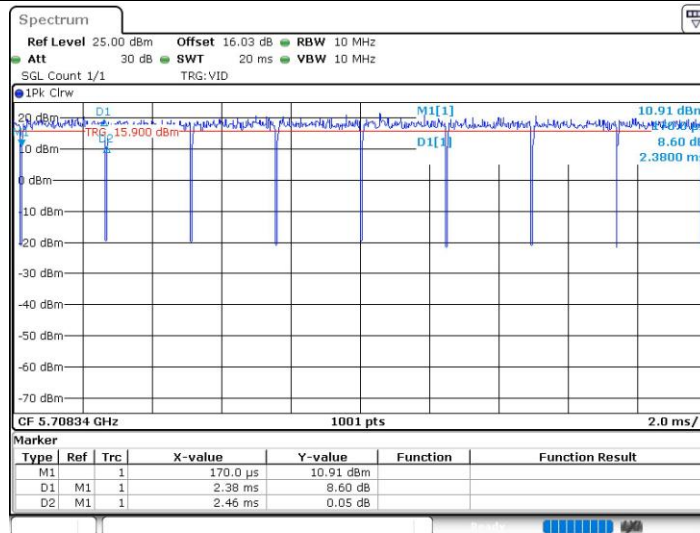
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11AX20MIMO_Ant9_5700_52Tone_RU40



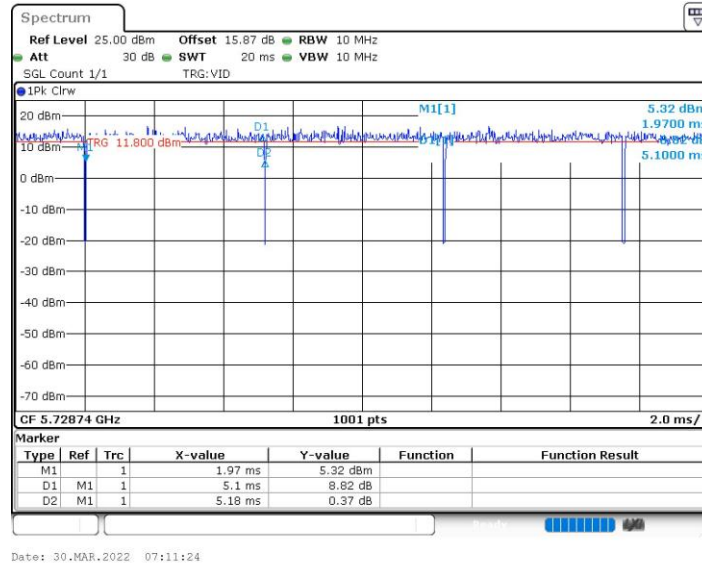
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11AX20MIMO_Ant9_5700_106Tone_RU54

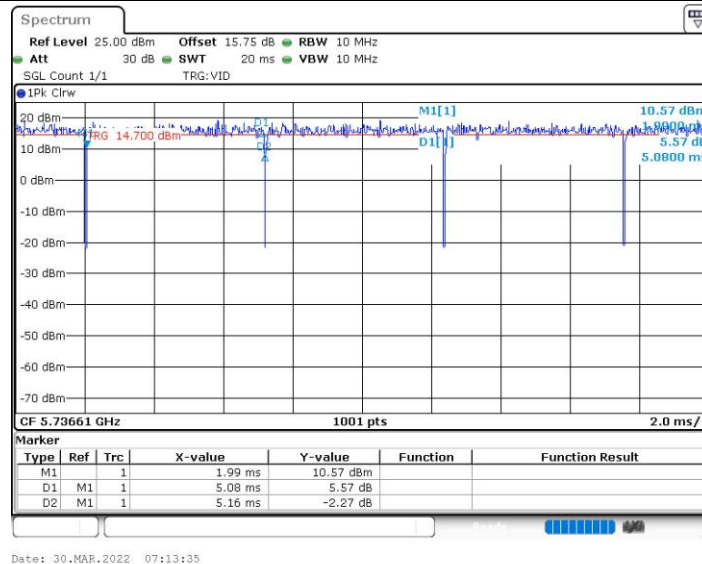


Date: 30.MAR.2022 08:15:28

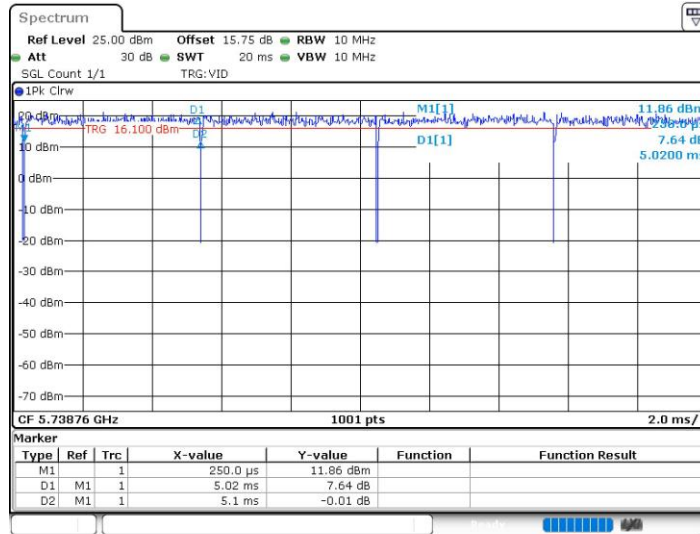
11AX20MIMO_Ant8_5720_26Tone_RU8



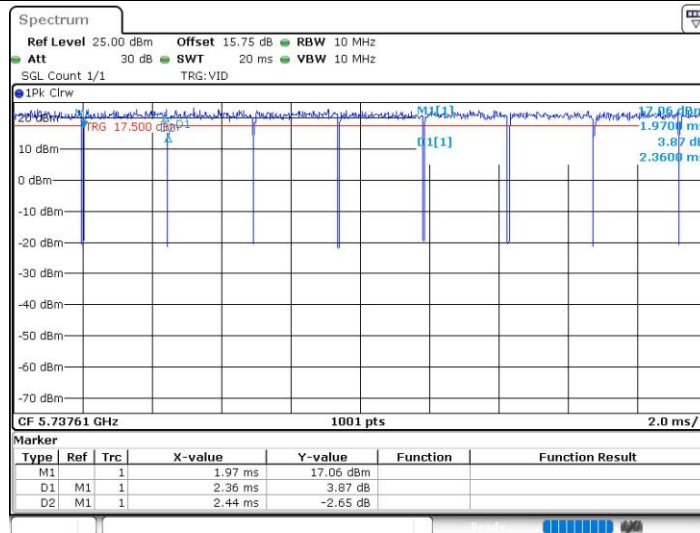
11AX20MIMO_Ant8_5745_26Tone_RU0



11AX20MIMO_Ant8_5745_52Tone_RU37

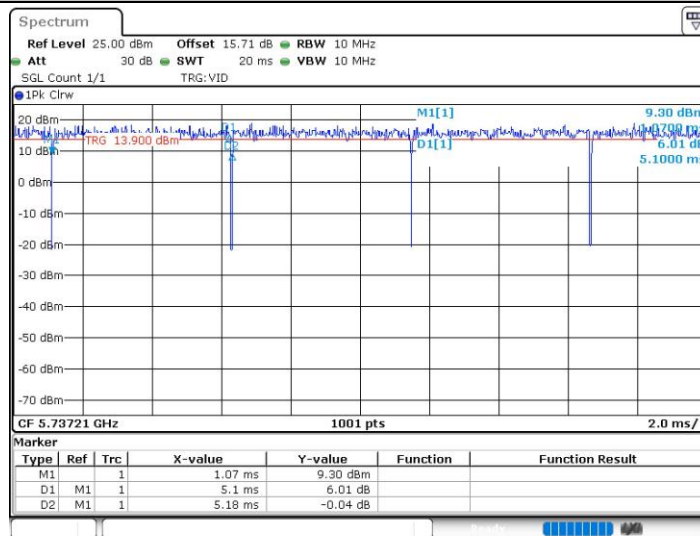


11AX20MIMO_Ant8_5745_106Tone_RU53



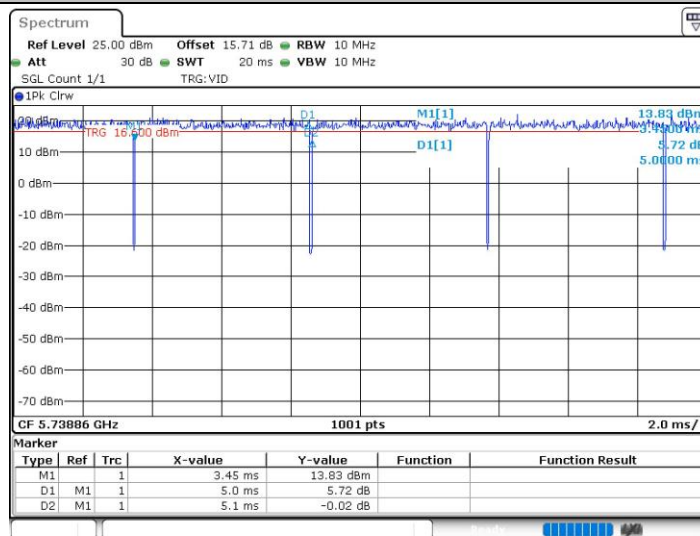


11AX20MIMO_Ant9_5745_26Tone_RU0



Date: 30.MAR.2022 07:14:27

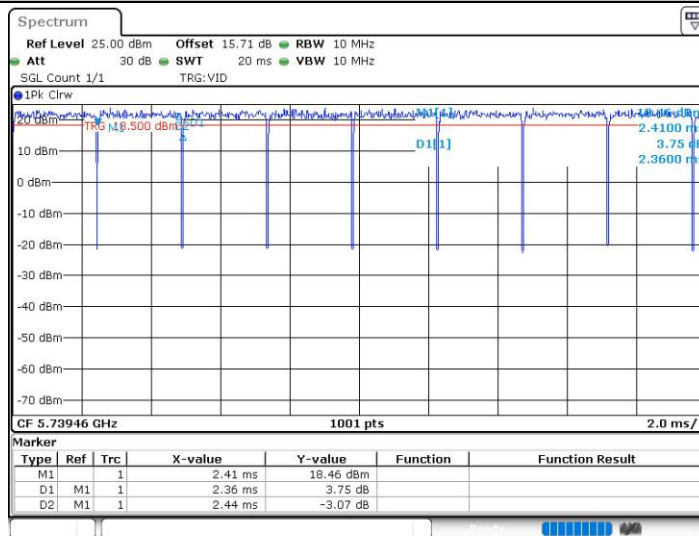
11AX20MIMO_Ant9_5745_52Tone_RU37



Date: 30.MAR.2022 08:19:19

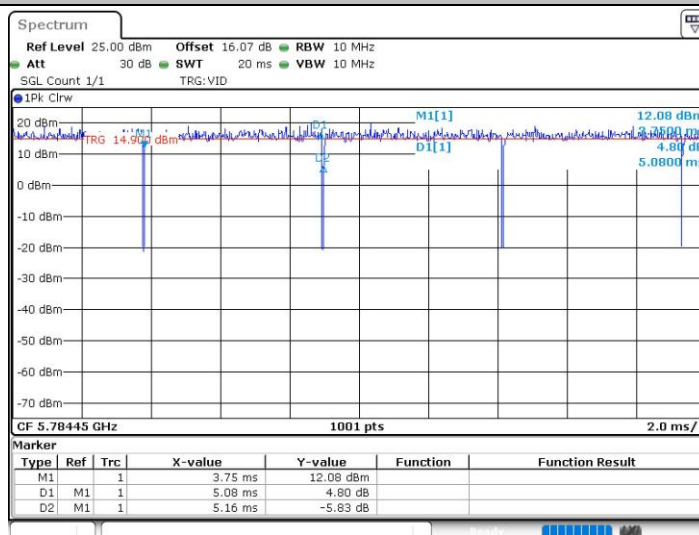


11AX20MIMO_Ant9_5745_106Tone_RU53



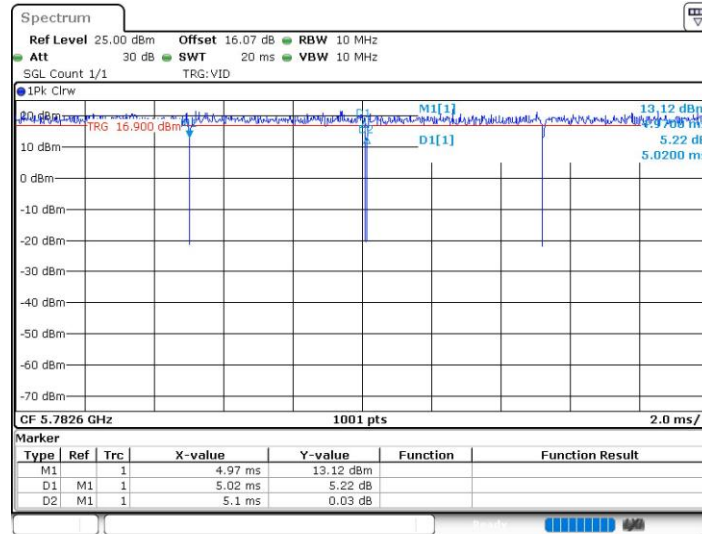
Date: 30.MAR.2022 08:20:15

11AX20MIMO_Ant8_5785_26Tone_RU4



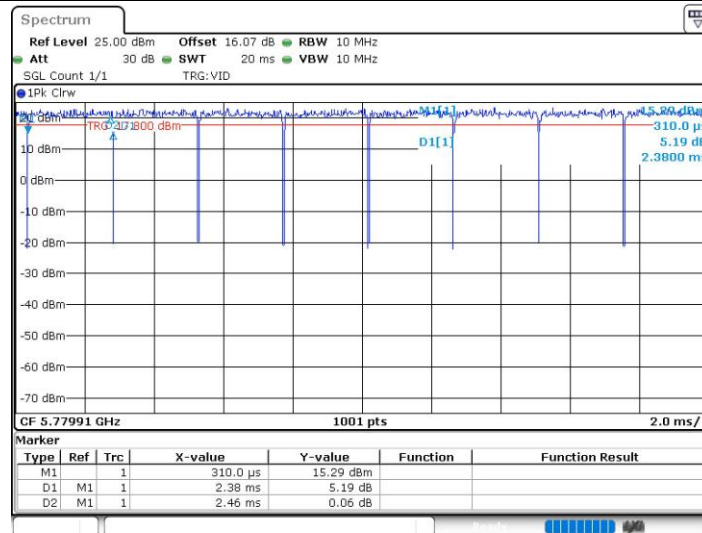
Date: 30.MAR.2022 07:16:01

11AX20MIMO_Ant8_5785_52Tone_RU38



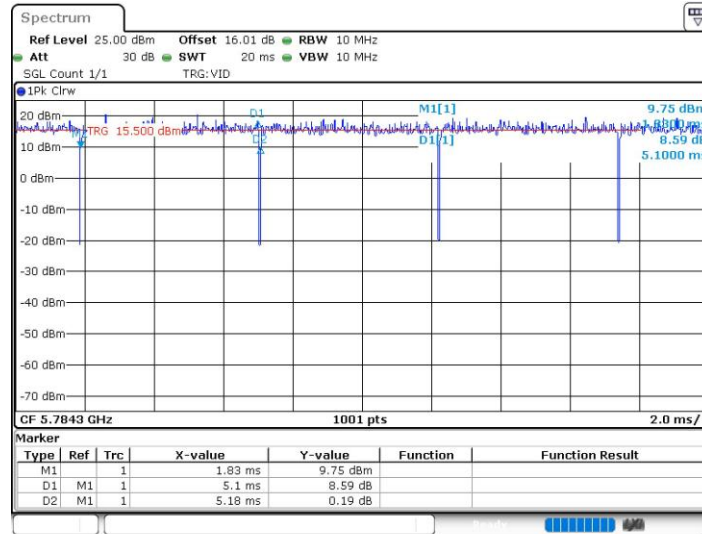
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11AX20MIMO_Ant8_5785_106Tone_RU53



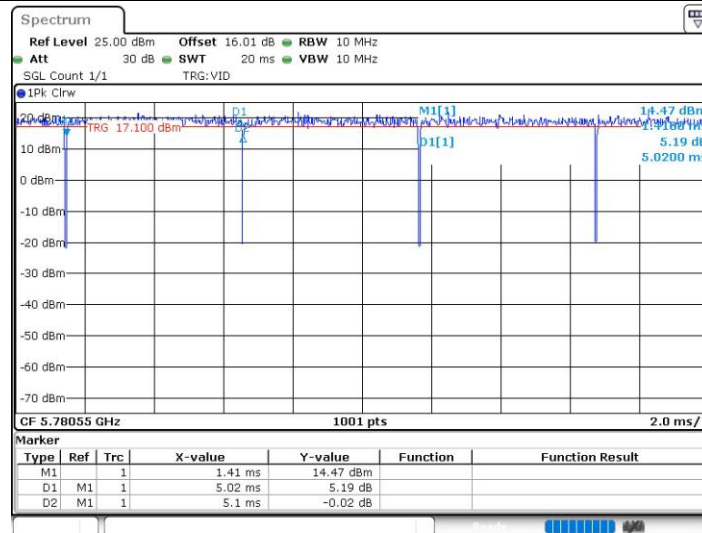
Date: 30.MAR.2022 08:22:35

11AX20MIMO_Ant9_5785_26Tone_RU4



Date: 30.MAR.2022 07:16:48

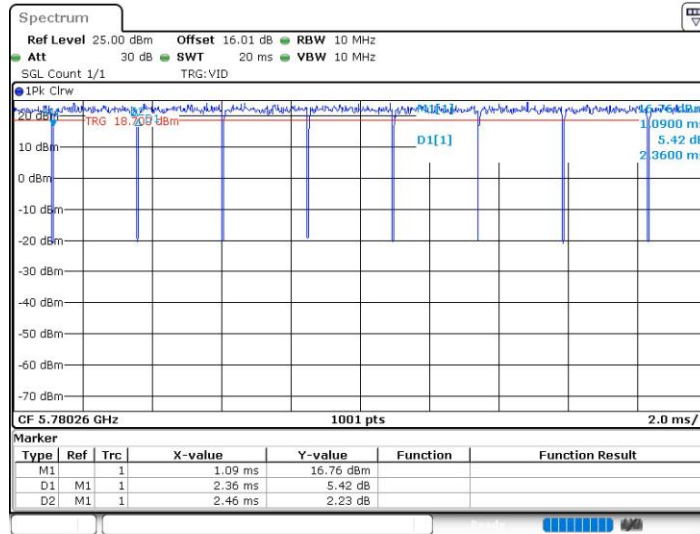
11AX20MIMO_Ant9_5785_52Tone_RU38



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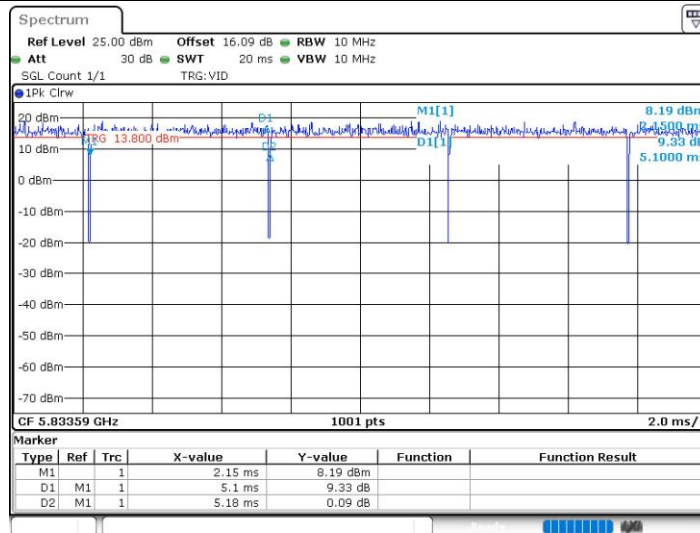


11AX20MIMO_Ant9_5785_106Tone_RU53



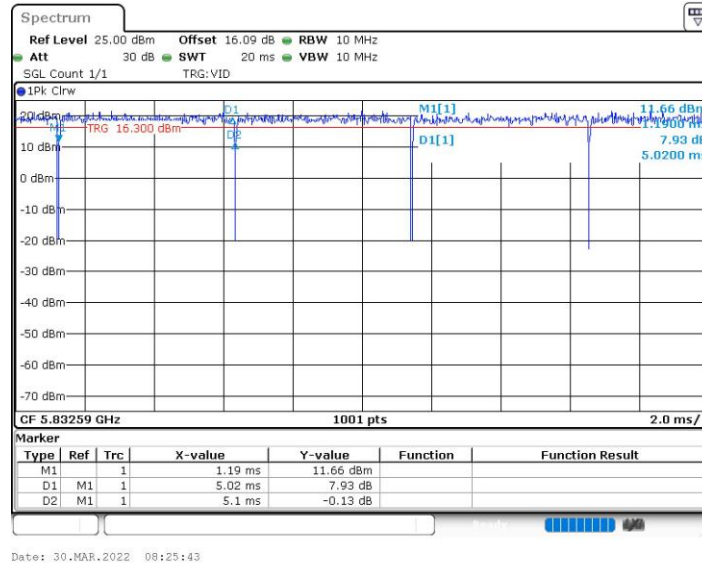
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11AX20MIMO_Ant8_5825_26Tone_RU8

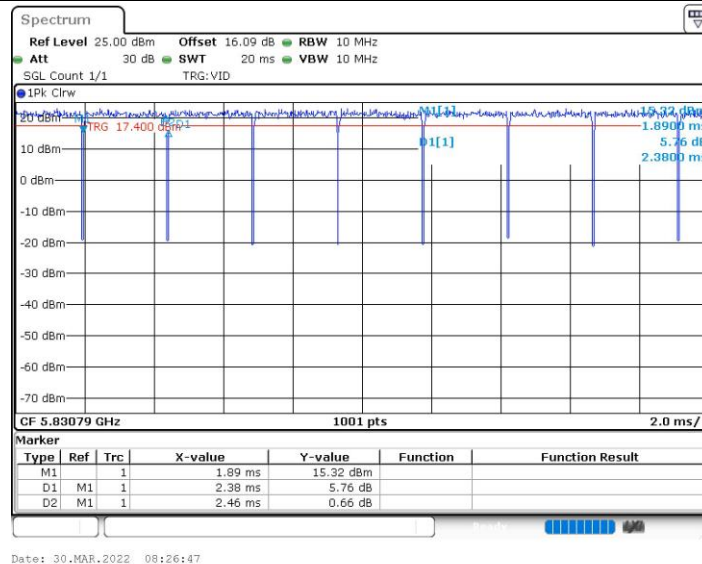


Date: 30.MAR.2022 07:18:49

11AX20MIMO_Ant8_5825_52Tone_RU40

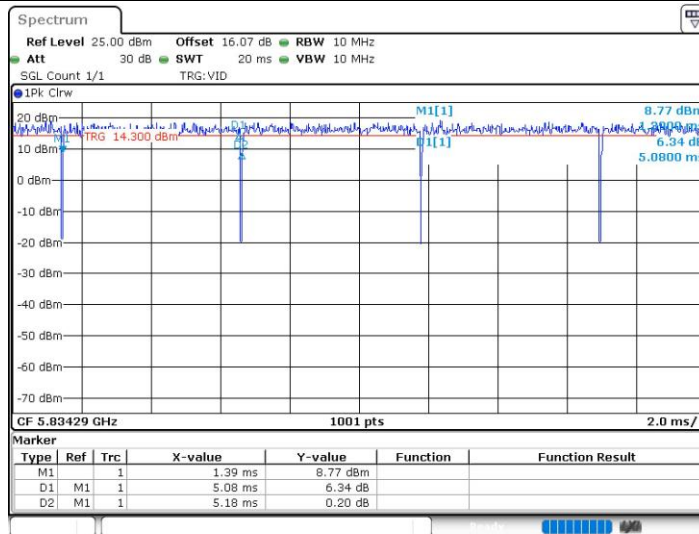


11AX20MIMO_Ant8_5825_106Tone_RU54



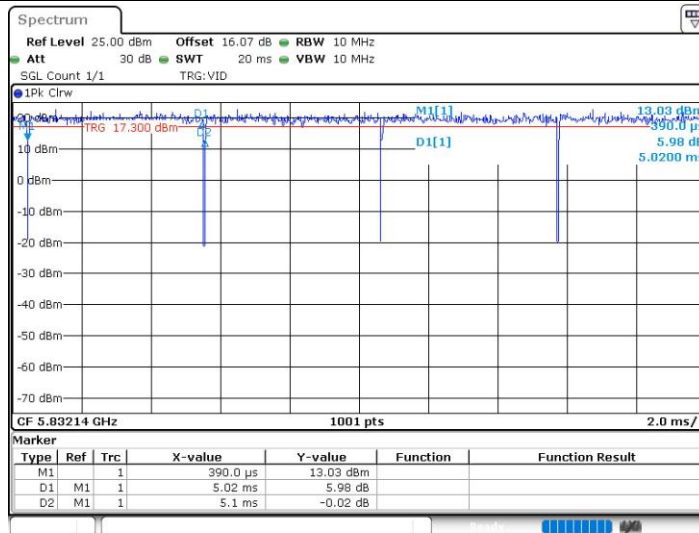


11AX20MIMO_Ant9_5825_26Tone_RU8



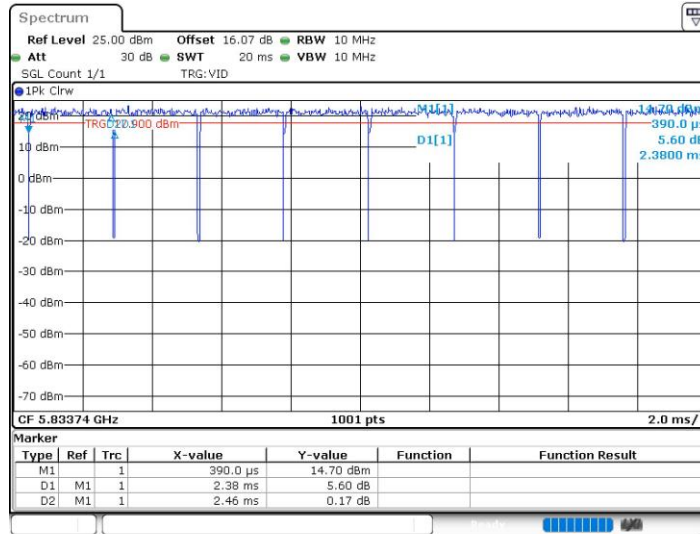
Date: 30.MAR.2022 07:19:34

11AX20MIMO_Ant9_5825_52Tone_RU40



Date: 30.MAR.2022 08:27:51

11AX20MIMO_Ant9_5825_106Tone_RU54

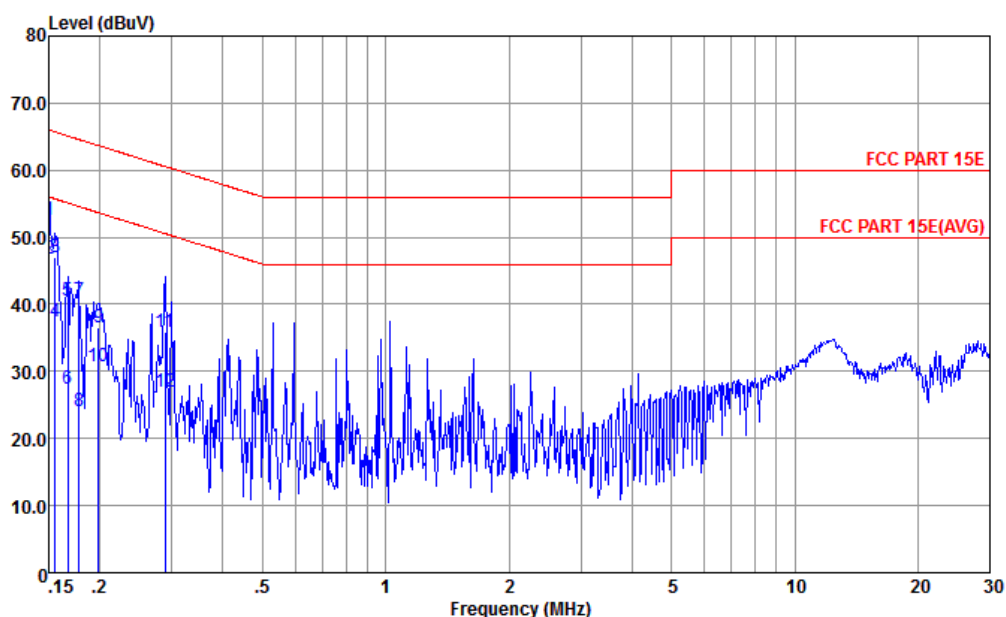


Date: 30.MAR.2022 08:28:55



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.		

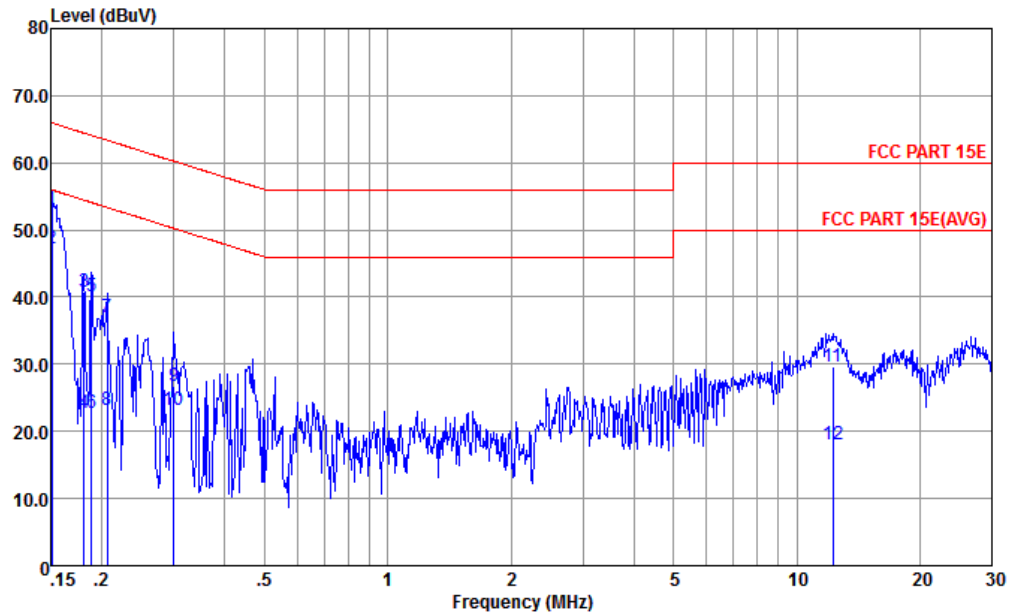


Site : CO01-KS
Condition : FCC PART 15E LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	52.70	-13.30	66.00	42.20	0.02	10.48	QP
2 *	0.150	46.70	-9.30	56.00	36.20	0.02	10.48	Average
3	0.156	47.09	-18.60	65.69	36.60	0.02	10.47	QP
4	0.156	37.39	-18.30	55.69	26.90	0.02	10.47	Average
5	0.167	40.66	-24.46	65.12	30.19	0.03	10.44	QP
6	0.167	27.36	-27.76	55.12	16.89	0.03	10.44	Average
7	0.178	40.64	-23.95	64.59	30.20	0.03	10.41	QP
8	0.178	24.04	-30.55	54.59	13.60	0.03	10.41	Average
9	0.199	36.61	-27.06	63.67	26.20	0.04	10.37	QP
10	0.199	30.71	-22.96	53.67	20.30	0.04	10.37	Average
11	0.289	35.88	-24.66	60.54	25.50	0.07	10.31	QP
12	0.289	26.88	-23.66	50.54	16.50	0.07	10.31	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-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.151	53.09	-12.87	65.96	42.50	0.11	10.48	QP
2 *	0.151	47.19	-8.77	55.96	36.60	0.11	10.48	Average
3	0.181	40.81	-23.65	64.46	30.31	0.10	10.40	QP
4	0.181	22.71	-31.75	54.46	12.21	0.10	10.40	Average
5	0.188	40.09	-24.02	64.11	29.60	0.10	10.39	QP
6	0.188	22.79	-31.32	54.11	12.30	0.10	10.39	Average
7	0.206	37.06	-26.30	63.36	26.60	0.10	10.36	QP
8	0.206	23.26	-30.10	53.36	12.80	0.10	10.36	Average
9	0.300	26.71	-33.53	60.24	16.30	0.10	10.31	QP
10	0.300	23.21	-27.03	50.24	12.80	0.10	10.31	Average
11	12.253	29.54	-30.46	60.00	18.90	0.27	10.37	QP
12	12.253	17.94	-32.06	50.00	7.30	0.27	10.37	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-2C - 5470~5725MHz

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

WIFI Ant. CDD 8+9	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 Full CH 100 5500MHz		5459.6	59.4	-14.6	74	43.53	34.53	10.97	29.63	100	241	P	H
		5465.2	61.91	-6.39	68.3	46.02	34.53	10.99	29.63	100	241	P	H
		5460	50.82	-3.18	54	34.95	34.53	10.97	29.63	100	241	A	H
		5500	111.68	-	-	95.74	34.55	11.04	29.65	100	241	P	H
		5500	104.57	-	-	88.63	34.55	11.04	29.65	100	241	A	H
		5381.04	57.79	-16.21	74	41.97	34.5	10.87	29.55	344	53	P	V
		5466.64	58.47	-9.83	68.3	42.58	34.53	10.99	29.63	344	53	P	V
		5458.96	48.18	-5.82	54	32.31	34.53	10.97	29.63	344	53	A	V
		5500	106.72	-	-	90.78	34.55	11.04	29.65	344	53	P	V
		5500	99.4	-	-	83.46	34.55	11.04	29.65	344	53	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 HE20 (Harmonic @ 3m)

WIFI Ant. CDD 8+9	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 Full CH 100 5500MHz		11004	50.14	-23.86	74	61.87	38.1	15.9	65.73	300	0	P	H
		11004	46.27	-27.73	74	58	38.1	15.9	65.73	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 HE40 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
CDD 8+9				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		5145.12	59.55	-14.45	74	43.84	34.4	10.62	29.31	100	219	P	H
		5150	50.76	-3.24	54	35.05	34.4	10.62	29.31	100	219	A	H
		5200	105	-	-	89.22	34.5	10.64	29.36	100	219	P	H
		5200	97.81	-	-	82.03	34.5	10.64	29.36	100	219	A	H
		5361.66	55.47	-18.53	74	39.64	34.5	10.85	29.52	100	219	P	H
		5356.08	46.87	-7.13	54	31.06	34.5	10.83	29.52	100	219	A	H
		5116.16	58.49	-15.51	74	42.81	34.33	10.61	29.26	350	57	P	V
		5146.72	49.1	-4.9	54	33.39	34.4	10.62	29.31	350	57	A	V
		5188	102.73	-	-	86.97	34.47	10.63	29.34	350	57	P	V
		5188	93.71	-	-	77.95	34.47	10.63	29.34	350	57	A	V
		5362.74	55.78	-18.22	74	39.95	34.5	10.85	29.52	350	57	P	V
		5350.68	46.72	-7.28	54	30.91	34.5	10.83	29.52	350	57	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 HE40 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.	
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		10380	46.21	-22.09	68.3	59.65	37.43	15.57	66.44	300	310	P	H
		10380	47.17	-21.13	68.3	60.61	37.43	15.57	66.44	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 HE80 Full (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
CDD 8+9				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		5145.44	59.66	-14.34	74	43.95	34.4	10.62	29.31	100	230	P	H
		5145.6	50.83	-3.17	54	35.12	34.4	10.62	29.31	100	230	A	H
		5236	98.84	-	-	83.05	34.5	10.68	29.39	100	230	P	H
		5236	91.2	-	-	75.41	34.5	10.68	29.39	100	230	A	H
		5360.76	57.36	-16.64	74	41.53	34.5	10.85	29.52	100	230	P	H
		5396.58	47.63	-6.37	54	31.79	34.5	10.89	29.55	100	230	A	H
		5148.96	58.4	-15.6	74	42.69	34.4	10.62	29.31	345	58	P	V
		5122.72	49.56	-4.44	54	33.86	34.37	10.61	29.28	345	58	A	V
		5206	94.91	-	-	79.13	34.5	10.64	29.36	345	58	P	V
		5206	87.5	-	-	71.72	34.5	10.64	29.36	345	58	A	V
		5383.8	55.86	-18.14	74	40.04	34.5	10.87	29.55	345	58	P	V
		5378.4	47.45	-6.55	54	31.63	34.5	10.87	29.55	345	58	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full CH 42 5210MHz		10421	45.63	-22.67	68.3	58.97	37.47	15.59	66.4	100	360	P	H
		10421	43.84	-24.46	68.3	57.18	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.												



Emission below 1GHz

WIFI 802.11ax HE80 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.	
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		30.97	19.09	-20.91	40	25.3	24.44	0.7	31.35	-	-	P	H
		176.47	20.48	-23.02	43.5	34.13	15.97	1.94	31.56	-	-	P	H
		221.09	19.66	-26.34	46	32.45	16.77	2.17	31.73	-	-	P	H
		350.1	21.77	-24.23	46	30.82	20.5	2.74	32.29	-	-	P	H
		653.71	25.81	-20.19	46	32.76	25.28	3.77	36	-	-	P	H
		857.41	29.11	-16.89	46	35.86	26.53	4.29	37.57	-	-	P	H
		30.97	29.42	-10.58	40	35.63	24.44	0.7	31.35	-	-	P	V
		56.19	25.31	-14.69	40	42.34	13.28	1.07	31.38	-	-	P	V
		173.56	19.75	-23.75	43.5	33.34	16.03	1.92	31.54	-	-	P	V
		324.88	19.07	-26.93	46	28.66	19.9	2.64	32.13	-	-	P	V
		414.12	20.72	-25.28	46	28.43	22.16	2.98	32.85	-	-	P	V
		491.72	21.51	-24.49	46	28.36	23.54	3.26	33.65	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



UNII-3- 5725~5850MHz

WIFI 802.11a (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.	
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		5824	114.45	-	-	97.75	35.05	11.41	29.76	100	244	P	H
		5824	106.03	-	-	89.33	35.05	11.41	29.76	100	244	A	H
		5850	70.35	-51.95	122.3	53.6	35.08	11.42	29.75	100	244	P	H
		5856	65.12	-45.5	110.62	48.34	35.1	11.43	29.75	100	244	P	H
		5879.6	60.62	-41.26	101.88	43.83	35.12	11.44	29.77	100	244	P	H
		5991.6	57.71	-10.59	68.3	40.78	35.3	11.52	29.89	100	244	P	H
		5824	109.4	-	-	92.7	35.05	11.41	29.76	318	55	P	V
		5824	100.41	-	-	83.71	35.05	11.41	29.76	318	55	A	V
		5850	69.1	-53.2	122.3	52.35	35.08	11.42	29.75	318	55	P	V
		5858.8	60.72	-49.11	109.83	43.96	35.1	11.43	29.77	318	55	P	V
		5878.8	58.82	-43.66	102.48	42.03	35.12	11.44	29.77	318	55	P	V
		5927.6	59	-9.3	68.3	42.14	35.2	11.48	29.82	318	55	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-35725~5850MHz

WIFI 802.11a (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.	
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		11653	56.96	-17.04	74	67.59	38.5	16.23	65.36	300	360	P	H
		11653	46.95	-7.05	54	57.58	38.5	16.23	65.36	100	239	A	H
		11653	57.72	-16.28	74	68.35	38.5	16.23	65.36	100	360	P	V
		11653	48	-6	54	58.63	38.5	16.23	65.36	100	187	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3-5725~5850MHz

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

WIFI Ant. CDD 8+9	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		5852.4	62.04	-54.79	116.83	45.29	35.08	11.42	29.75	100	244	P	H
		5856.4	60.03	-50.48	110.51	43.25	35.1	11.43	29.75	100	244	P	H
		5878.4	59.55	-43.22	102.77	42.76	35.12	11.44	29.77	100	244	P	H
		5925.6	57.97	-10.33	68.3	41.11	35.2	11.48	29.82	100	244	P	H
		5830	114.01	—	—	97.31	35.05	11.41	29.76	100	244	P	H
		5830	105.31	—	—	88.61	35.05	11.41	29.76	100	244	A	H
		5850	58.86	-63.44	122.3	42.11	35.08	11.42	29.75	312	68	P	V
		5865.6	58.15	-49.78	107.93	41.39	35.1	11.43	29.77	312	68	P	V
		5910.4	58.47	-20.6	79.07	41.65	35.17	11.47	29.82	312	68	P	V
		5955.6	58.54	-9.76	68.3	41.63	35.25	11.5	29.84	312	68	P	V
		5836	108.82	—	—	92.11	35.05	11.41	29.75	312	68	P	V
		5836	99.73	—	—	83.02	35.05	11.41	29.75	312	68	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. CDD 8+9	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		5632.8	57.12	-11.18	68.3	41.03	34.67	11.23	29.81	100	241	P	H
		5691.2	61.36	-37.45	98.81	45.1	34.78	11.28	29.8	100	241	P	H
		5710.4	61.59	-46.62	108.21	45.26	34.82	11.3	29.79	100	241	P	H
		5722	62.47	-52.99	115.46	46.09	34.85	11.32	29.79	100	241	P	H
		5800	112.55	—	—	95.92	35	11.39	29.76	100	241	P	H
		5800	104.83	—	—	88.2	35	11.39	29.76	100	241	A	H
		5850.4	62.19	-59.2	121.39	45.44	35.08	11.42	29.75	100	241	P	H
		5871.2	62.58	-43.78	106.36	45.79	35.12	11.44	29.77	100	241	P	H
		5880.4	60.23	-41.06	101.29	43.44	35.12	11.44	29.77	100	241	P	H
		5930.4	58.17	-10.13	68.3	41.31	35.2	11.48	29.82	100	241	P	H
		5642	57.2	-11.1	68.3	41.11	34.67	11.23	29.81	311	54	P	V
		5685.6	57.79	-36.89	94.68	41.53	34.78	11.28	29.8	311	54	P	V
		5704	58.12	-48.3	106.42	41.8	34.82	11.3	29.8	311	54	P	V
		5722.8	58.67	-58.61	117.28	42.29	34.85	11.32	29.79	311	54	P	V
		5794	108.65	—	—	92.02	35	11.39	29.76	311	54	P	V
		5794	99.79	—	—	83.16	35	11.39	29.76	311	54	A	V
		5853.6	58.26	-55.83	114.09	41.48	35.1	11.43	29.75	311	54	P	V
		5858.8	58.94	-50.89	109.83	42.18	35.1	11.43	29.77	311	54	P	V
		5910	57.73	-21.64	79.37	40.91	35.17	11.47	29.82	311	54	P	V
		5986.8	57.44	-10.86	68.3	40.55	35.27	11.51	29.89	311	54	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. CDD 8+9	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		11590	52.67	-21.33	74	63.41	38.46	16.2	65.4	100	240	P	H
HE40 Full		11590	45.18	-8.82	54	55.92	38.46	16.2	65.4	100	240	A	H
CH 159		11590	55.67	-18.33	74	66.41	38.46	16.2	65.4	100	170	P	V
5795MHz		11590	47.6	-6.4	54	58.34	38.46	16.2	65.4	100	170	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 8+9	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		5650	64.17	-4.13	68.3	48.03	34.71	11.24	29.81	100	235	P	H
		5695.6	76.27	-25.79	102.06	60.01	34.78	11.28	29.8	100	235	P	H
		5715.2	81.41	-28.15	109.56	65.08	34.82	11.3	29.79	100	235	P	H
		5722.8	82.23	-35.05	117.28	65.85	34.85	11.32	29.79	100	235	P	H
		5782	109.41	-	-	92.84	34.96	11.37	29.76	100	235	P	H
		5782	100.2	-	-	83.63	34.96	11.37	29.76	100	235	A	H
		5850.8	75.74	-44.74	120.48	58.99	35.08	11.42	29.75	100	235	P	H
		5860.4	74.95	-34.44	109.39	58.19	35.1	11.43	29.77	100	235	P	H
		5887.6	65.31	-30.64	95.95	48.51	35.15	11.45	29.8	100	235	P	H
		5925.2	58.54	-9.76	68.3	41.68	35.2	11.48	29.82	100	235	P	H
		5631.6	63.19	-5.11	68.3	47.15	34.64	11.21	29.81	312	60	P	V
		5696	73.41	-28.94	102.35	57.15	34.78	11.28	29.8	312	60	P	V
		5718.8	77.83	-32.73	110.56	61.45	34.85	11.32	29.79	312	60	P	V
		5721.6	75.75	-38.8	114.55	59.37	34.85	11.32	29.79	312	60	P	V
		5776	102.73	-	-	86.17	34.96	11.37	29.77	312	60	P	V
		5776	95.01	-	-	78.45	34.96	11.37	29.77	312	60	A	V
		5853.6	68.4	-45.69	114.09	51.62	35.1	11.43	29.75	312	60	P	V
		5862.8	68.51	-40.2	108.71	51.75	35.1	11.43	29.77	312	60	P	V
		5881.6	62.54	-37.86	100.4	45.75	35.12	11.44	29.77	312	60	P	V
		5987.6	58.28	-10.02	68.3	41.39	35.27	11.51	29.89	312	60	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**UNII-35725~5850MHz****WIFI 802.11ax HE80_Full (Harmonic @ 3m)**

WIFI Ant. CDD 8+9	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		11550	48.42	-25.58	74	59.22	38.44	16.18	65.42	300	0	P	H
CH 155 5775MHz		11550	50.17	-23.83	74	60.97	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

Emission below 1GHz

WIFI 802.11ax HE80 Full (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.
CDD 8+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full LF		30	19.7	-20.3	40	25.37	25	0.68	31.35	-	-	P	H
		48.43	17.29	-22.71	40	32.67	15.03	1	31.41	-	-	P	H
		178.41	20.77	-22.73	43.5	34.45	15.93	1.95	31.56	-	-	P	H
		259.89	19.07	-26.93	46	29.92	18.66	2.36	31.87	-	-	P	H
		568.35	24.4	-21.6	46	30.46	25.03	3.51	34.6	-	-	P	H
		839.95	27.71	-18.29	46	34.74	26.42	4.24	37.69	-	-	P	H
		30.97	29.51	-10.49	40	35.72	24.44	0.7	31.35	-	-	P	V
		57.16	25.07	-14.93	40	42.25	13.11	1.08	31.37	-	-	P	V
		172.59	18.87	-24.63	43.5	32.45	16.05	1.91	31.54	-	-	P	V
		336.52	19.18	-26.82	46	28.51	20.18	2.69	32.2	-	-	P	V
		632.37	26.05	-19.95	46	32.82	25.16	3.71	35.64	-	-	P	V
		762.35	27.53	-18.47	46	35.21	25.95	4.04	37.67	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

WIFI	Note	Frequency	Level	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:

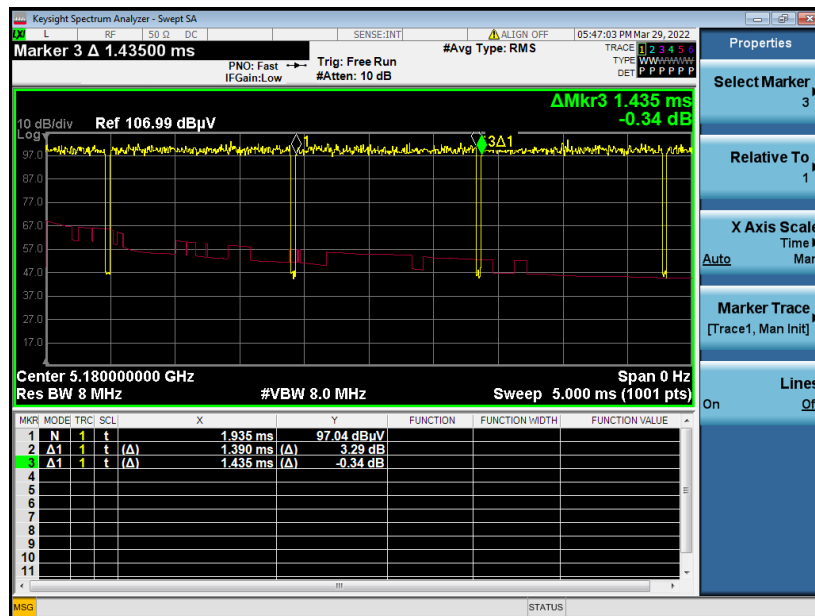
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

Appendix D. Duty Cycle Plots

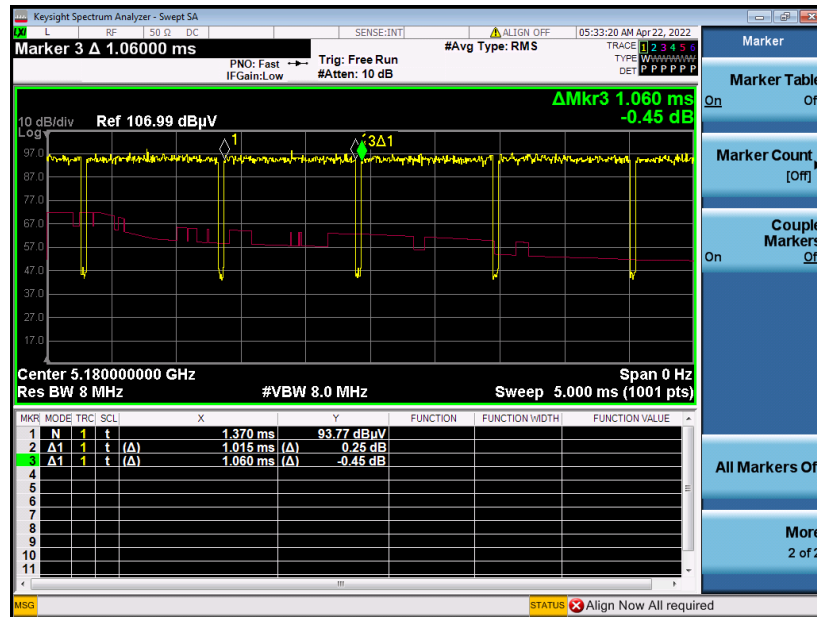
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	96.86	1.390	0.719	0.75kHz
802.11ax HE20	95.75	1.010	0.990	1KHz
802.11ax HE40	92.59	0.536	1.866	2KHz
802.11ax HE80	86.87	0.290	3.448	3.6KHz
802.11ax HE20 RU26/52/106	100	-	-	10Hz

802.11a

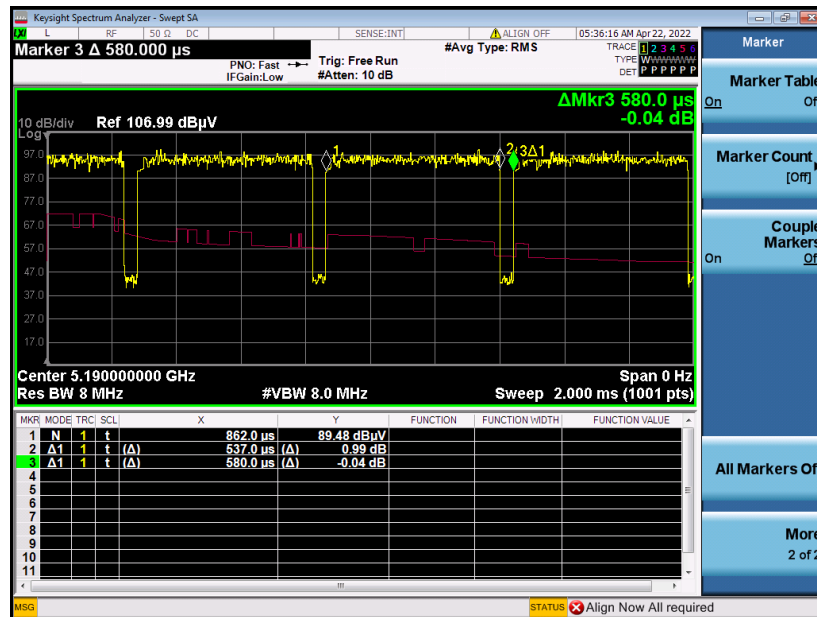




802.11ax HE20

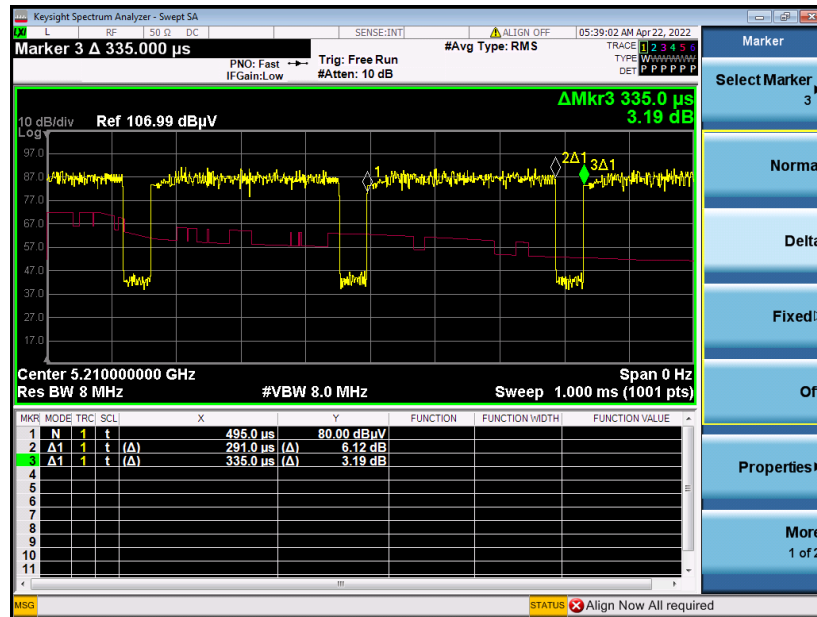


802.11ax HE40





802.11ax HE80



802.11ax HE20 RU26





802.11ax HE20 RU52



802.11ax HE20 RU106

