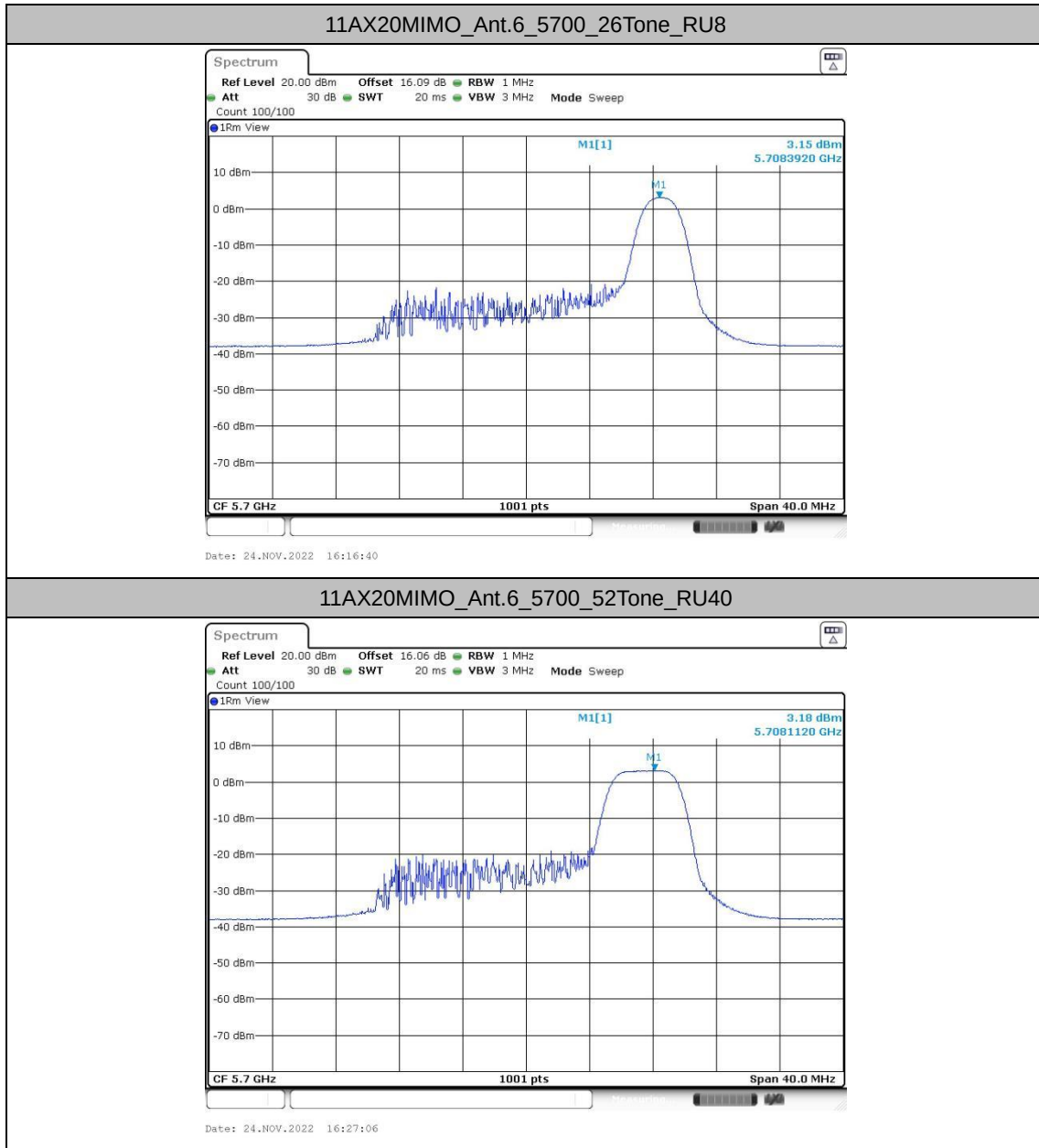
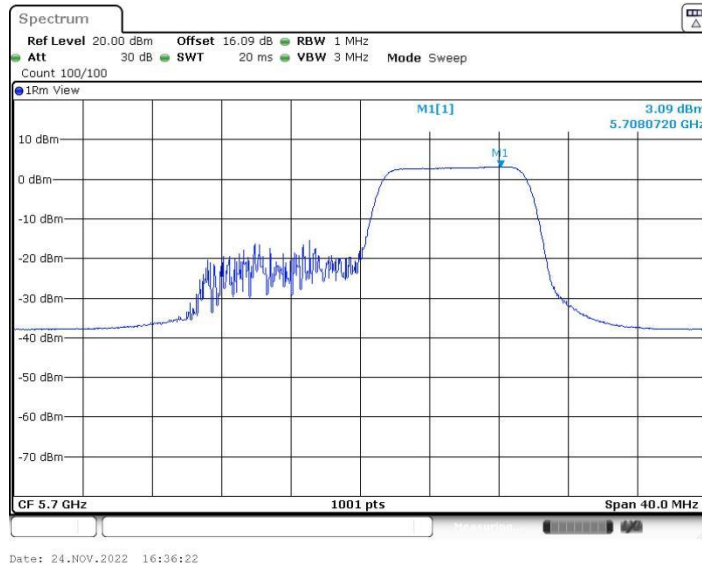


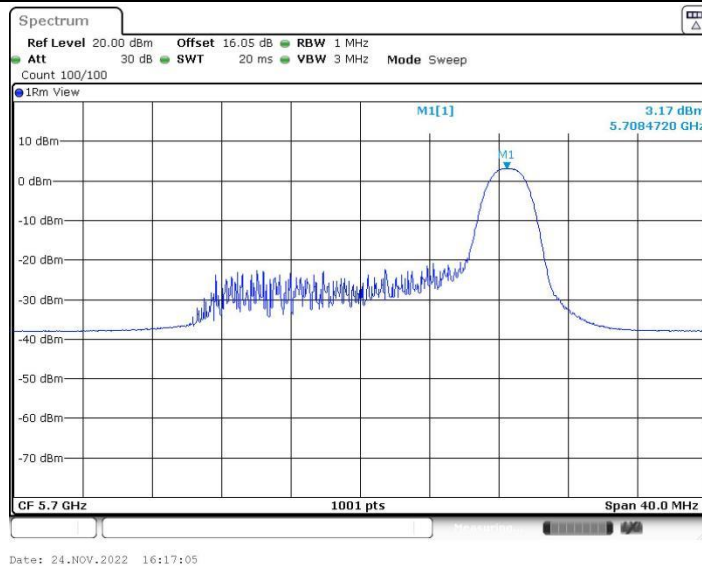




11AX20MIMO_Ant.6_5700_106Tone_RU54

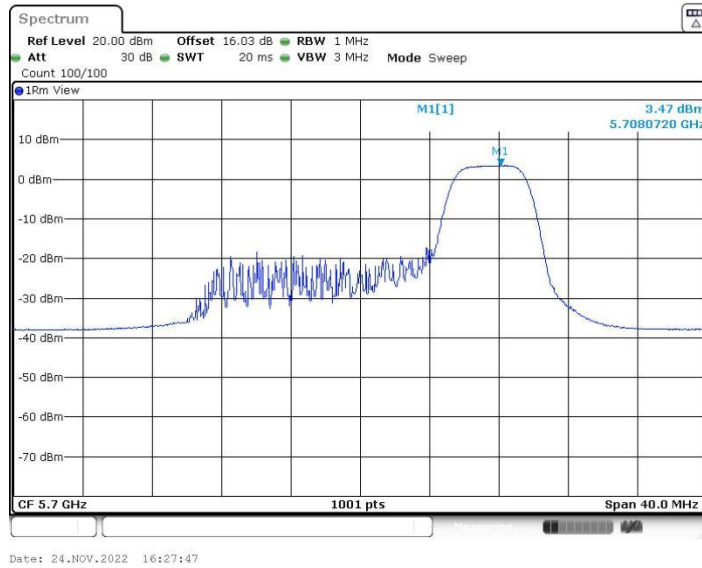


11AX20MIMO_Ant.18_5700_26Tone_RU8

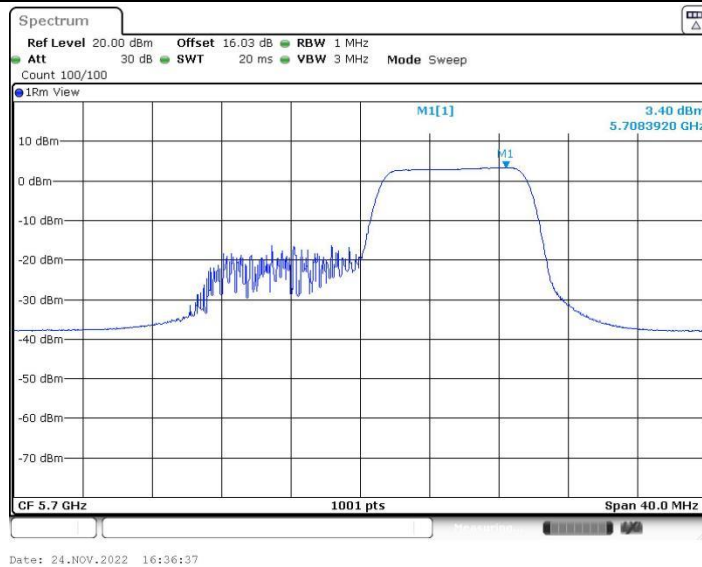


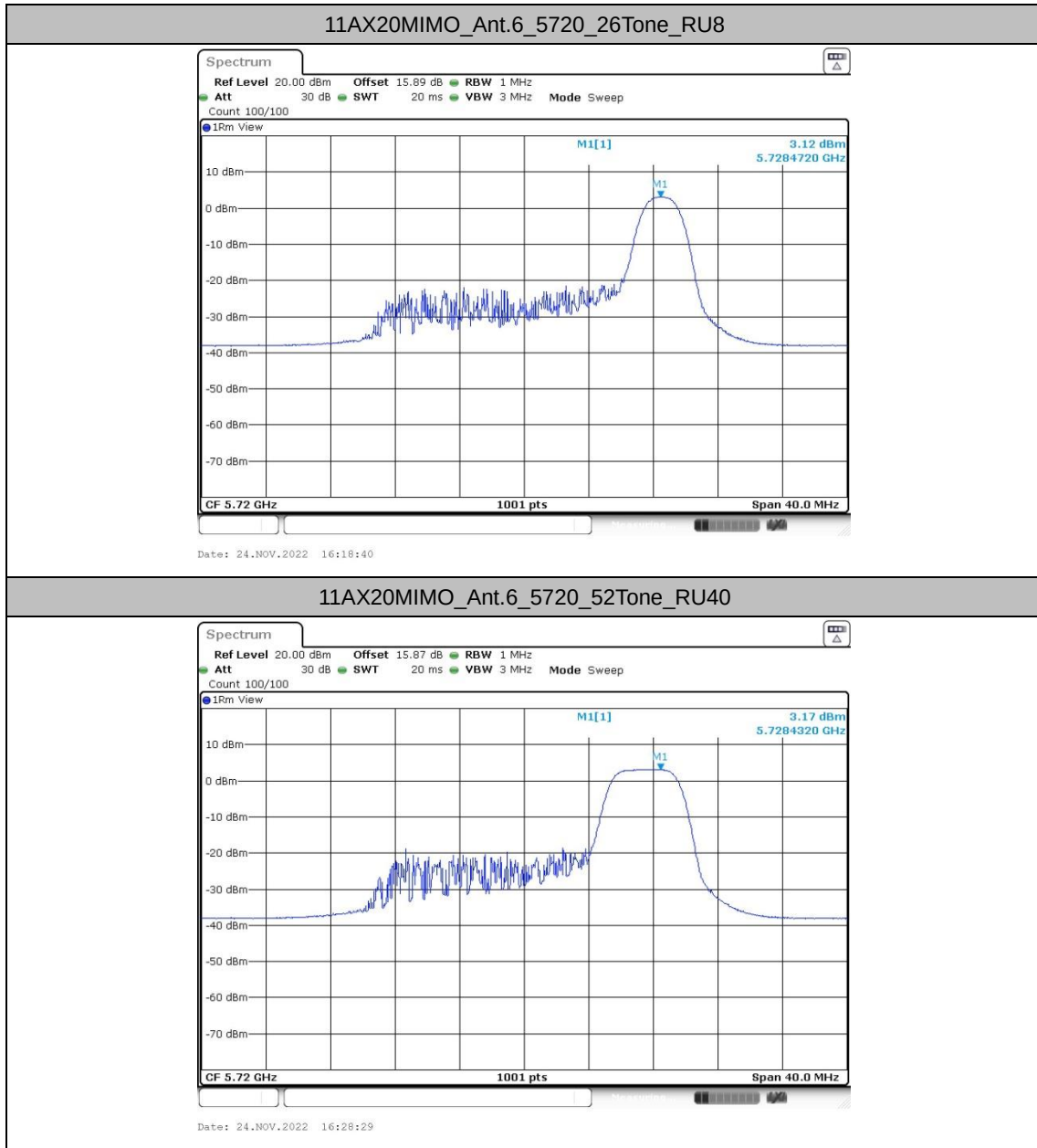


11AX20MIMO_Ant.18_5700_52Tone_RU40



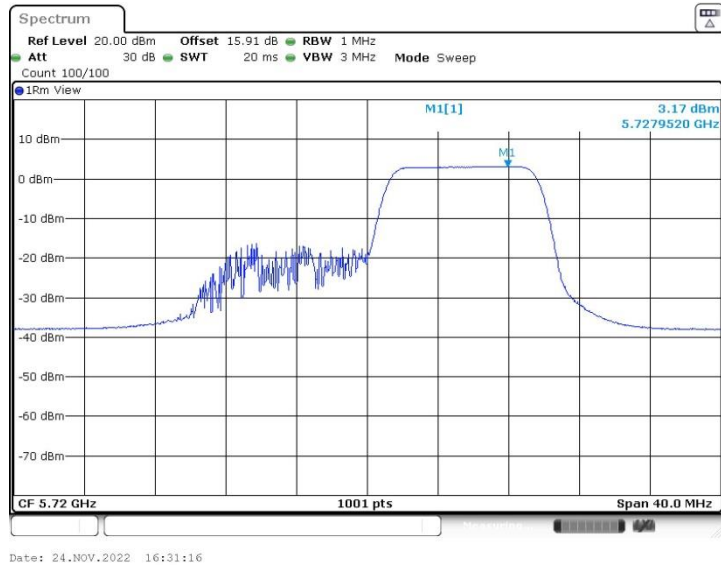
11AX20MIMO_Ant.18_5700_106Tone_RU54



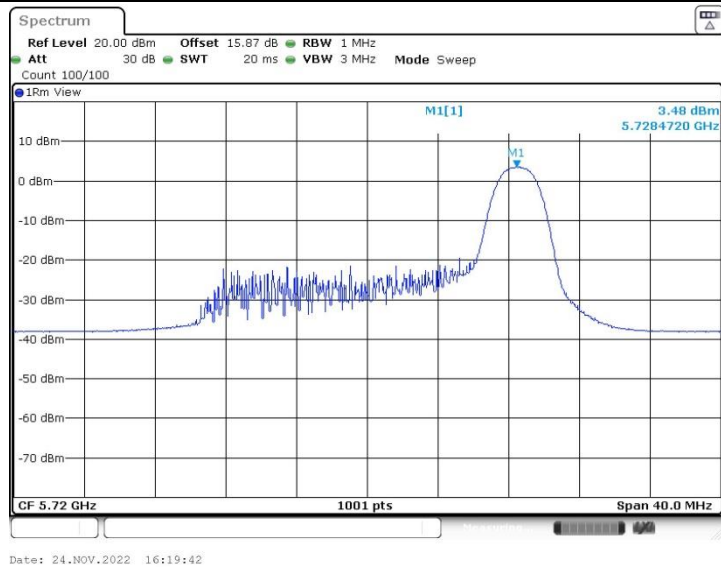




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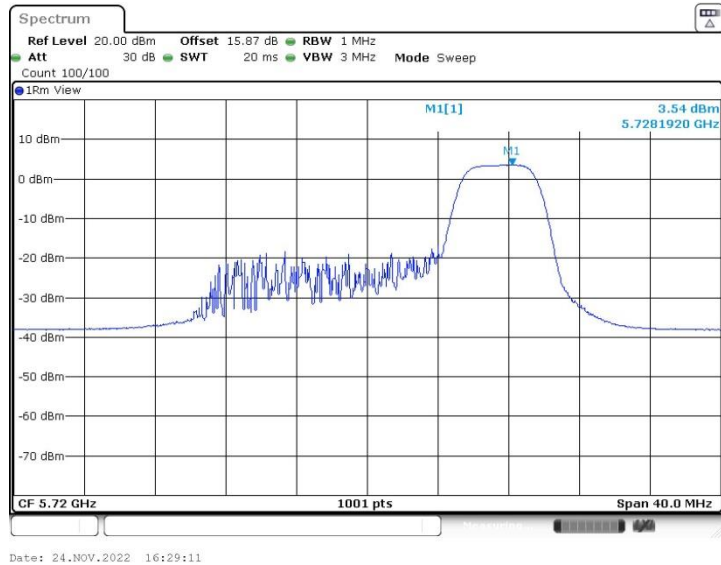


11AX20MIMO_Ant.18_5720_26Tone_RU8

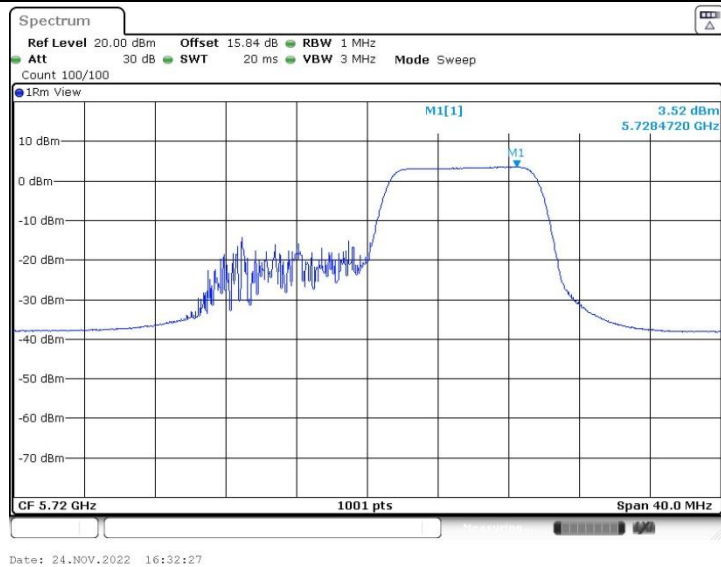


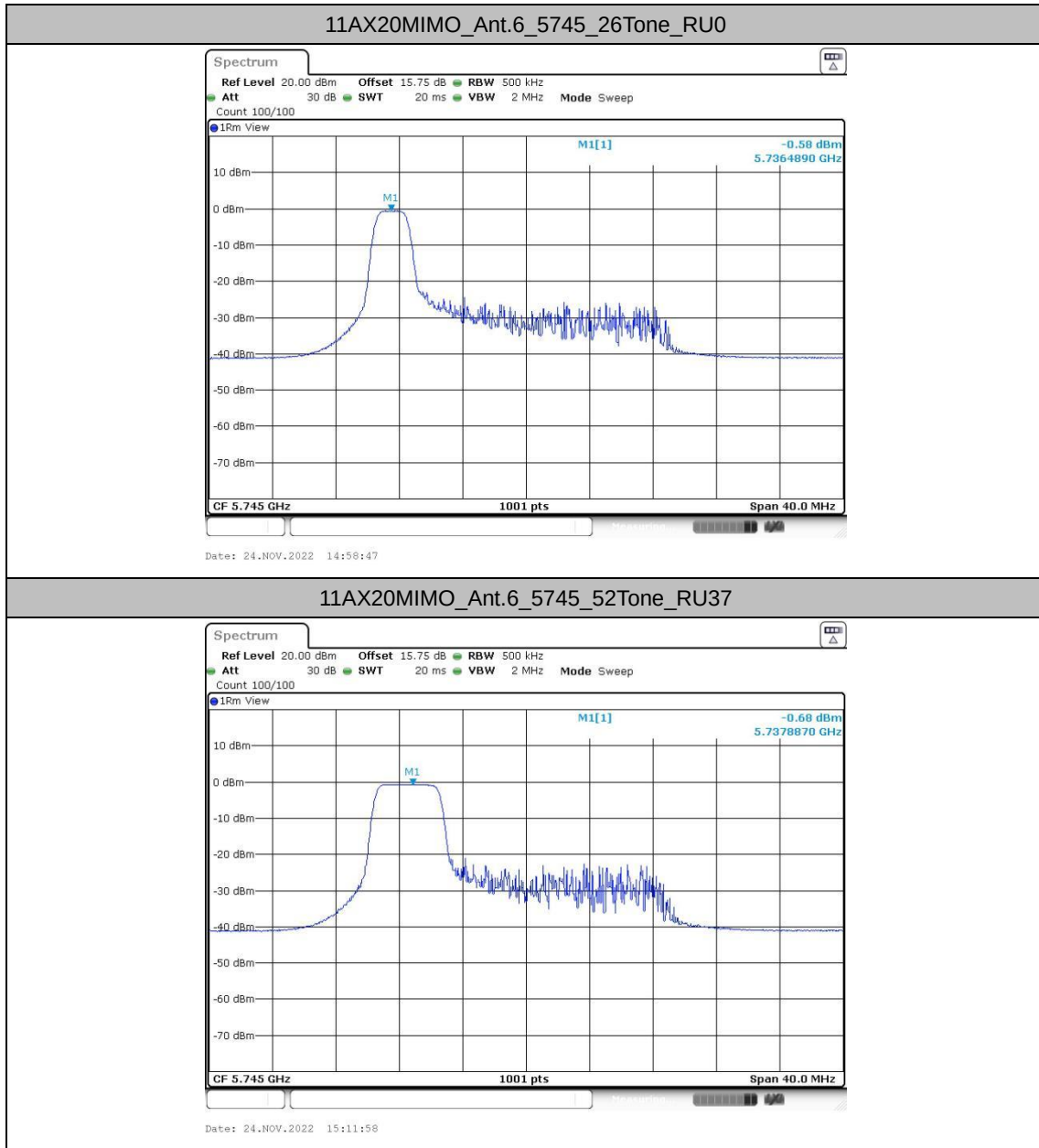


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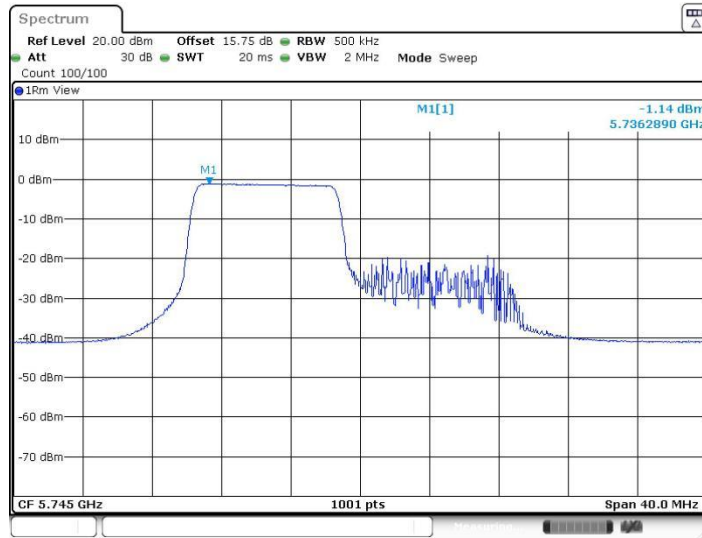
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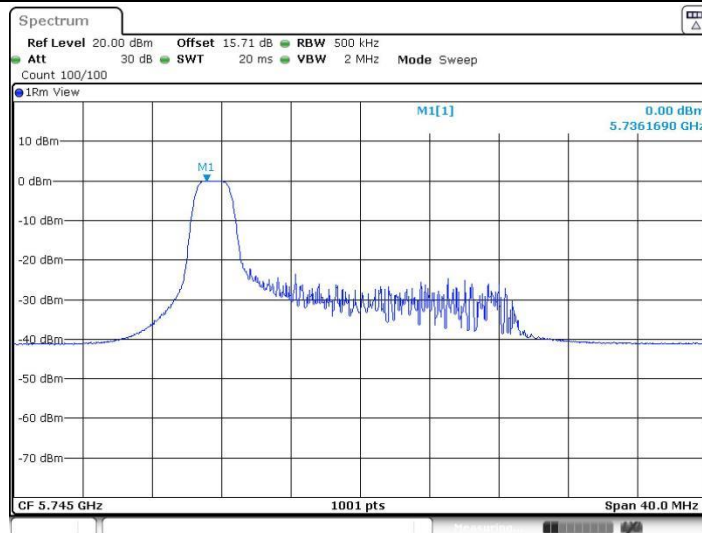


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Date: 24.NOV.2022 15:16:39

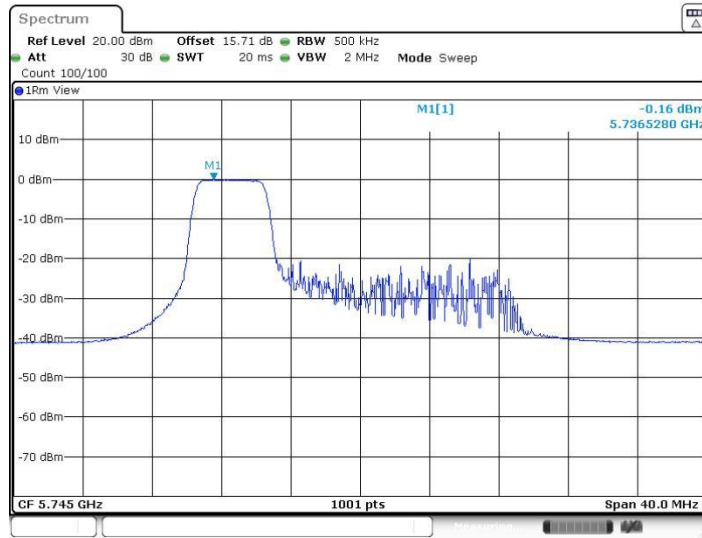
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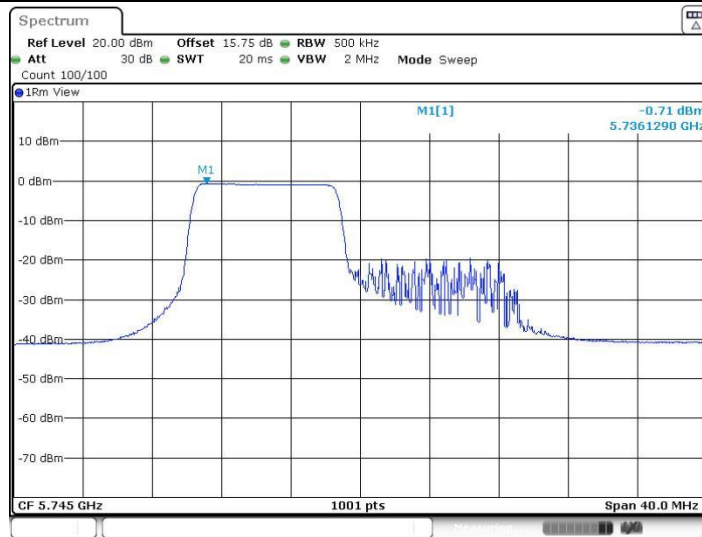
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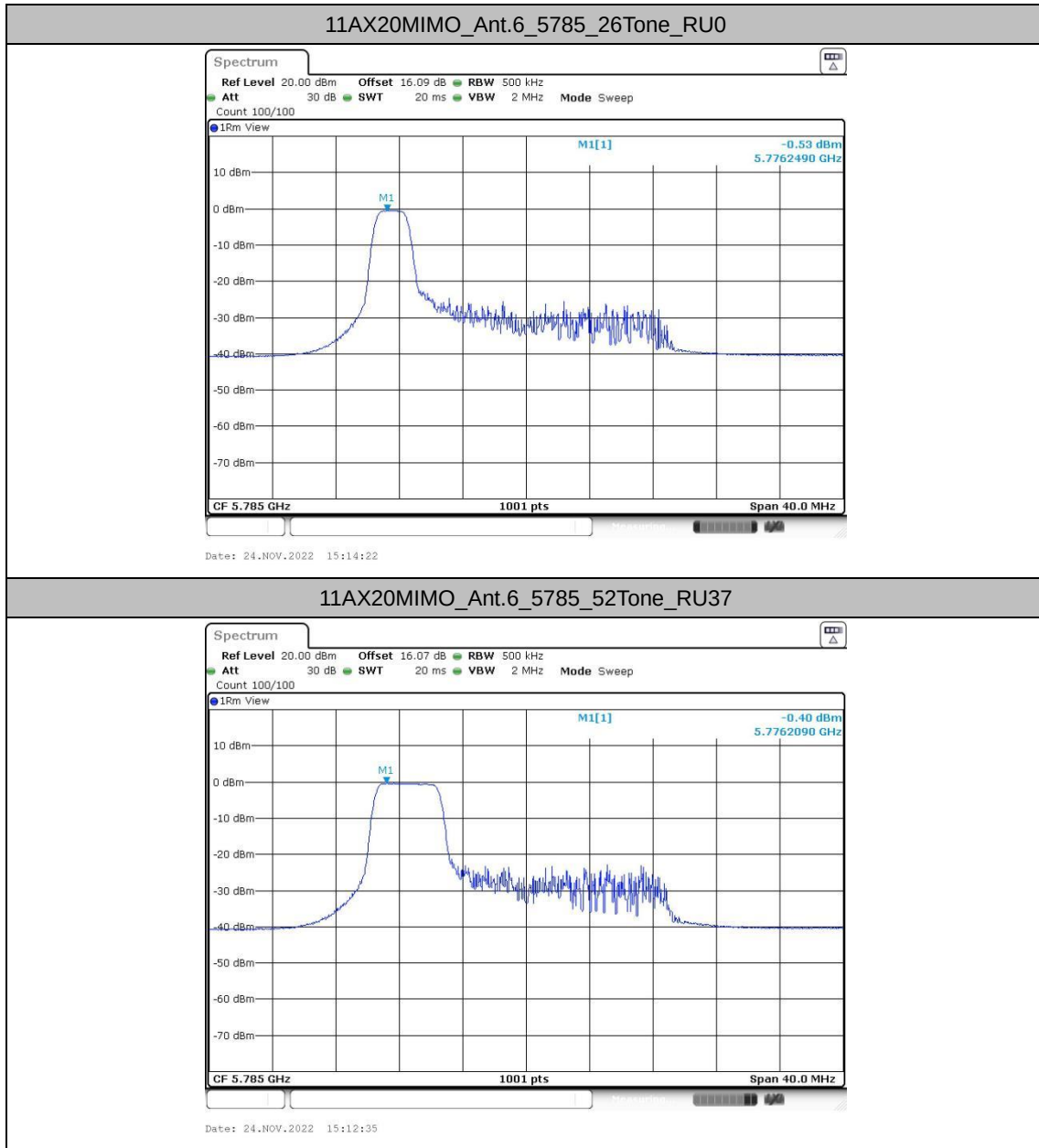


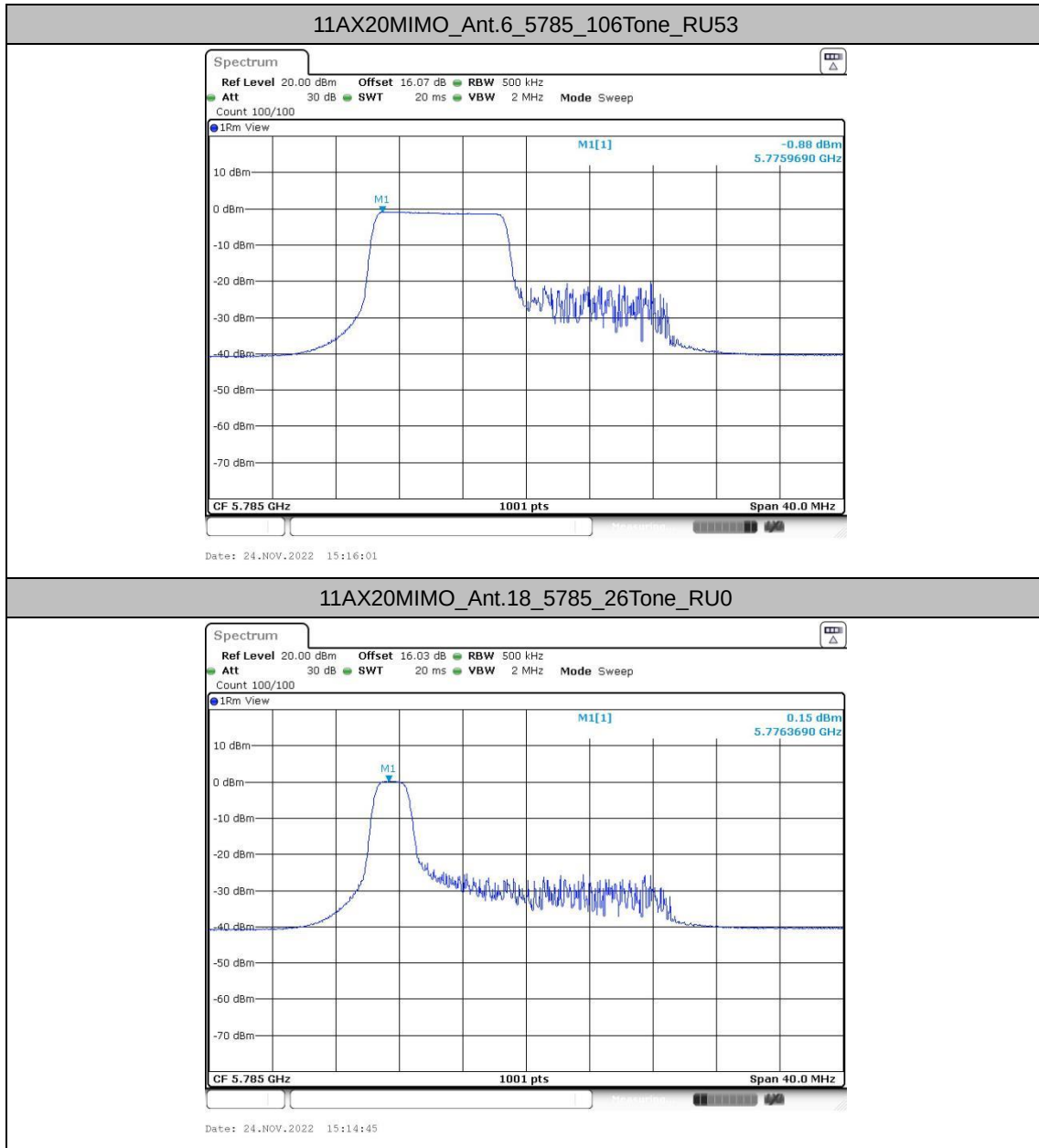
11AX20MIMO_Ant.18_5745_52Tone_RU37



11AX20MIMO_Ant.18_5745_106Tone_RU53

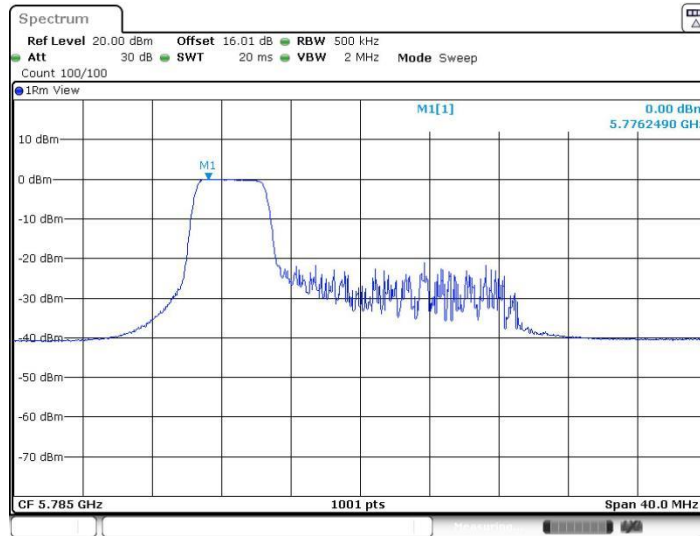






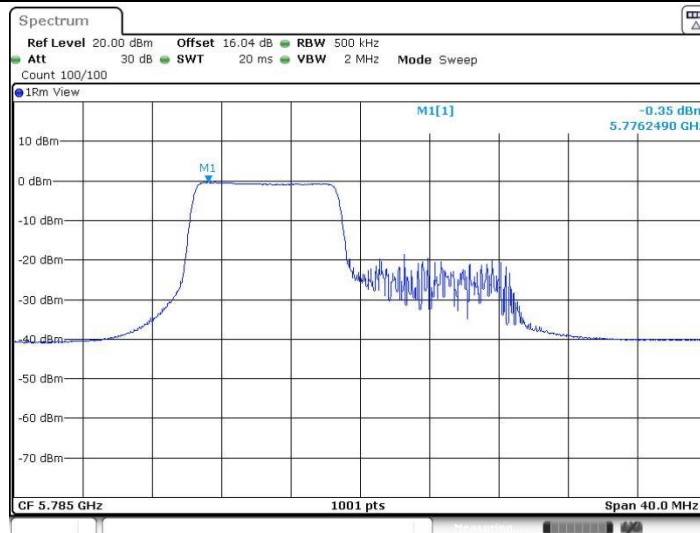


11AX20MIMO_Ant.18_5785_52Tone_RU37



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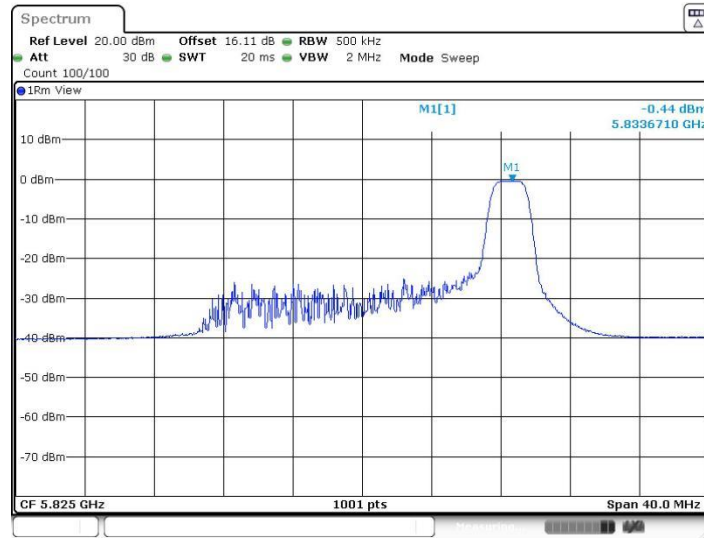
11AX20MIMO_Ant.18_5785_106Tone_RU53



Date: 24.NOV.2022 15:16:10

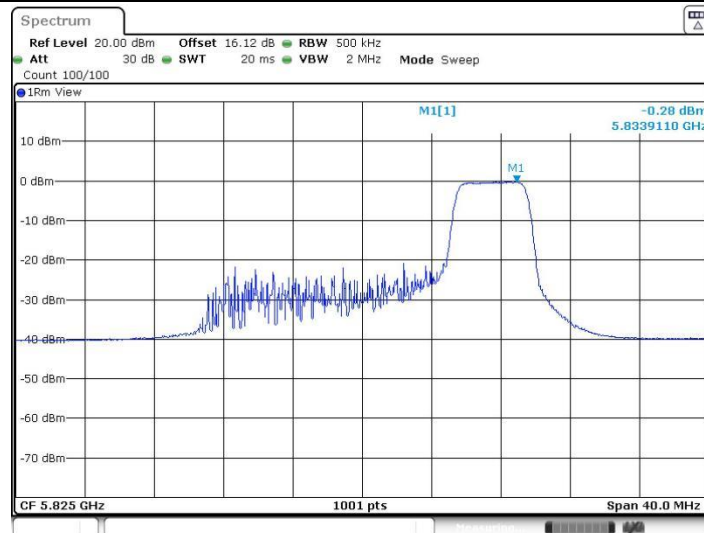


11AX20MIMO_Ant.6_5825_26Tone_RU8



Date: 24.NOV.2022 16:21:53

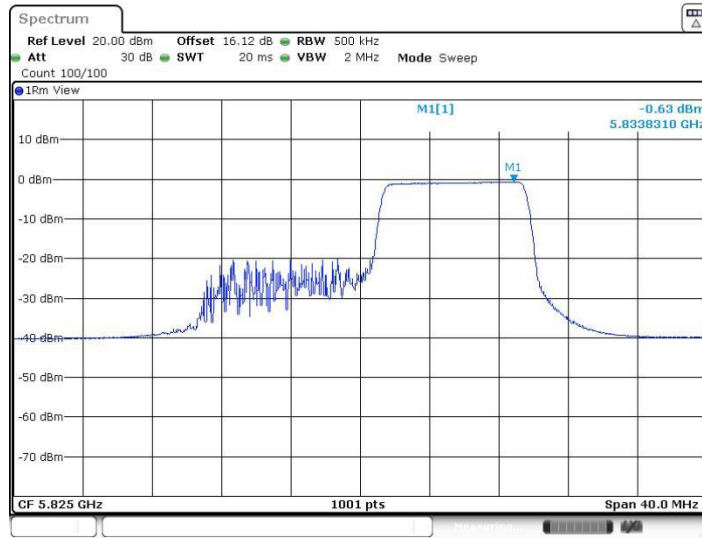
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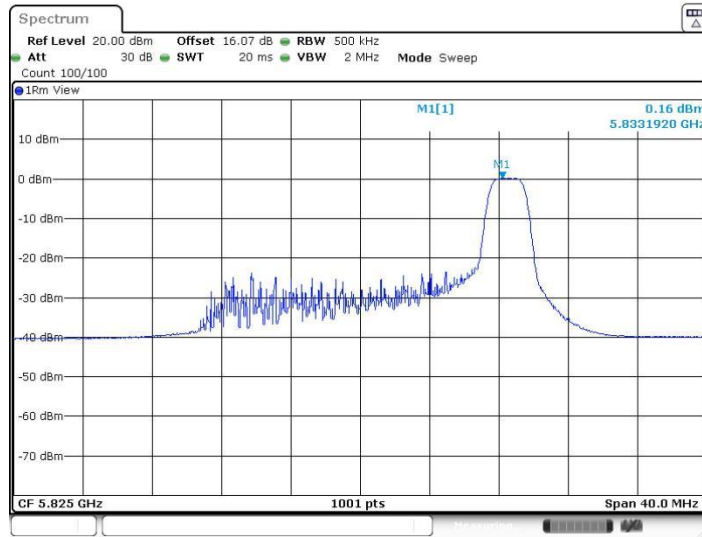
Date: 24.NOV.2022 16:23:00



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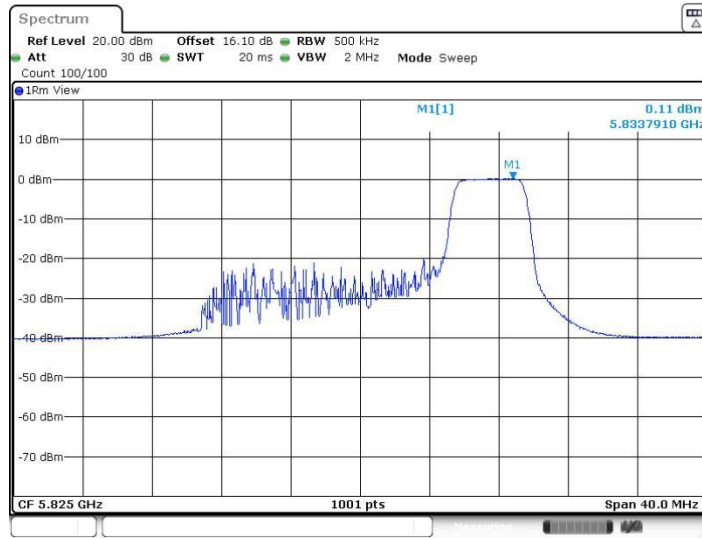


11AX20MIMO_Ant.18_5825_26Tone_RU8



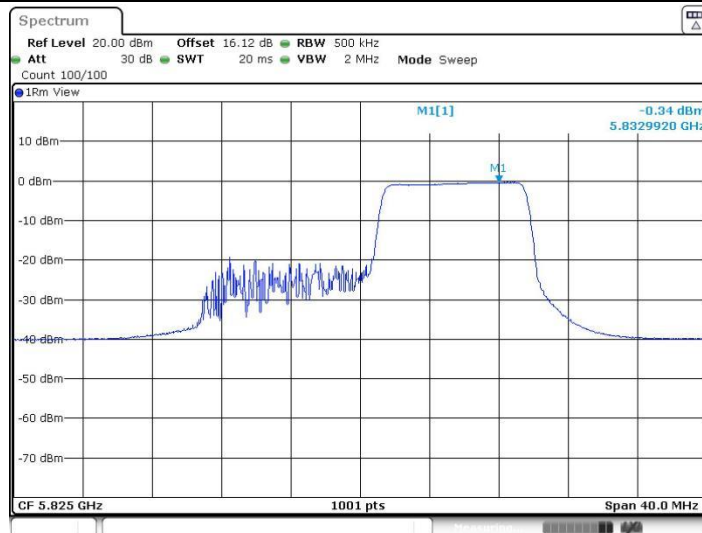


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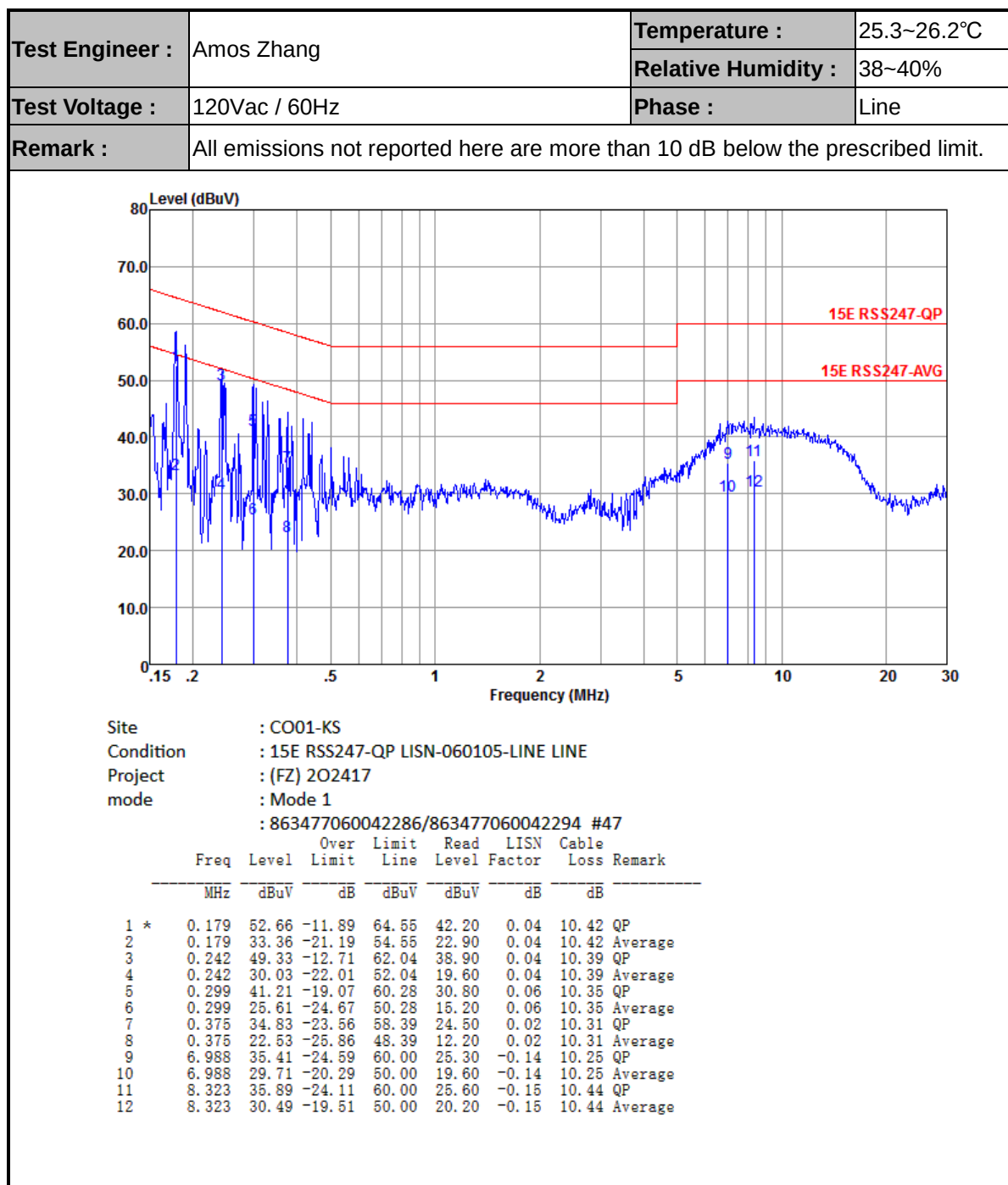
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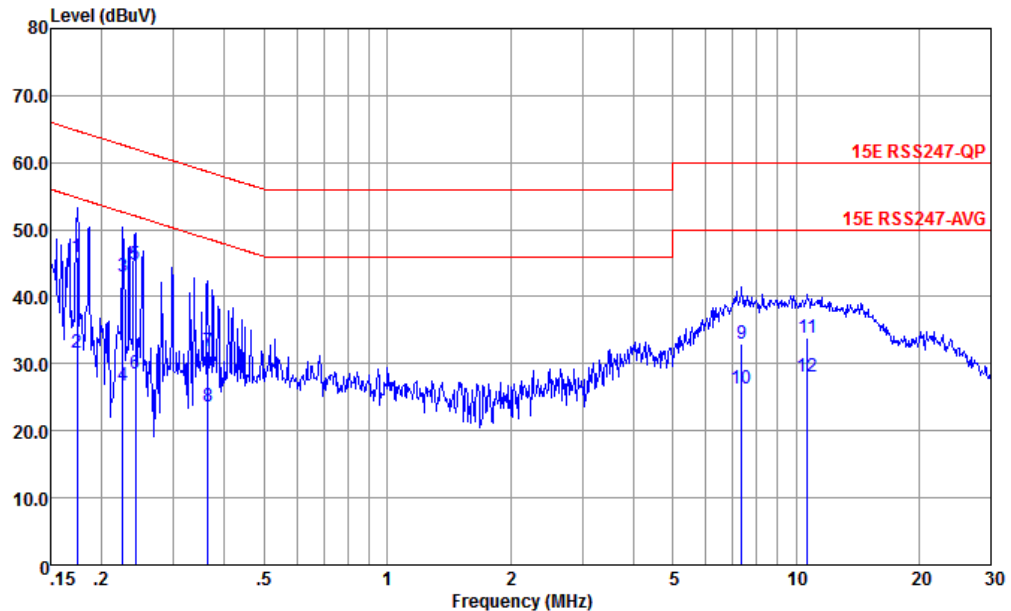


Appendix B. AC Conducted Emission Test Results





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



Site : CO01-KS
Condition : 15E RSS247-QP LISN-060105-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.174	45.97	-18.80	64.77	35.51	0.04	10.42	QP
2	0.174	31.67	-23.10	54.77	21.21	0.04	10.42	Average
3	0.226	42.92	-19.69	62.61	32.50	0.02	10.40	QP
4	0.226	26.72	-25.89	52.61	16.30	0.02	10.40	Average
5 *	0.242	44.89	-17.15	62.04	34.50	0.00	10.39	QP
6	0.242	28.59	-23.45	52.04	18.20	0.00	10.39	Average
7	0.363	31.76	-26.89	58.65	21.50	-0.06	10.32	QP
8	0.363	23.56	-25.09	48.65	13.30	-0.06	10.32	Average
9	7.368	32.98	-27.02	60.00	22.80	-0.13	10.31	QP
10	7.368	26.38	-23.62	50.00	16.20	-0.13	10.31	Average
11	10.676	33.78	-26.22	60.00	23.20	-0.19	10.77	QP
12	10.676	28.18	-21.82	50.00	17.60	-0.19	10.77	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

Only the worst results of each operation modes are shown in the report.

UNII-1/2A/2C

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 6+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 140 5700MHz	*	5704	113.82	-	-	101.03	34.52	10.33	32.06	119	257	P	H
		5704	107.47	-	-	94.68	34.52	10.33	32.06	119	257	A	H
	!	5727.56	64	-4.3	68.3	51.16	34.53	10.35	32.04	119	257	P	H
	*	5698	109.69	-	-	96.93	34.5	10.32	32.06	338	0	P	V
		5698	103.08	-	-	90.32	34.5	10.32	32.06	338	0	A	V
		5728.28	59.03	-9.27	68.3	46.19	34.53	10.35	32.04	338	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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 6+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 140 5700MHz		11400	45.64	-28.36	74	57.89	38.23	16.29	66.77	300	0	P	H
		17098	53.71	-14.59	68.3	56.89	41.3	20.06	64.54	300	0	P	H
		11400	45.47	-28.53	74	57.72	38.23	16.29	66.77	100	0	P	V
		17098	55.42	-12.88	68.3	58.6	41.3	20.06	64.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 6+18	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 140 5700MHz	*	5698	114.3	-	-	101.54	34.5	10.32	32.06	101	257	P	H
		5698	106.15	-	-	93.39	34.5	10.32	32.06	101	257	A	H
	!	5725.16	64.47	-3.83	68.3	51.63	34.53	10.35	32.04	101	257	P	H
	*	5698	109.82	-	-	97.06	34.5	10.32	32.06	395	359	P	V
		5698	102.42	-	-	89.66	34.5	10.32	32.06	395	359	A	V
		5726.12	57.91	-10.39	68.3	45.07	34.53	10.35	32.04	395	359	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE20 (Harmonic @ 3m)

WIFI Ant. CDD 6+18	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 140 5700MHz		11400	45.2	-28.8	74	57.45	38.23	16.29	66.77	300	0	P	H
		17087	56.57	-11.73	68.3	59.74	41.3	20.06	64.53	300	0	P	H
		11400	45.91	-28.09	74	58.16	38.23	16.29	66.77	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 6+18	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		5109.92	51.88	-22.12	74	39.8	34.1	9.76	31.78	100	335	P	H
		5114.88	41.12	-12.88	54	29.04	34.1	9.76	31.78	100	335	A	H
		5170	99.5	-	-	87.42	34.1	9.8	31.82	100	335	P	H
		5170	92.76	-	-	80.68	34.1	9.8	31.82	100	335	A	H
		5133.28	51.56	-22.44	74	39.48	34.1	9.77	31.79	100	249	P	V
		5115.52	41.22	-12.78	54	29.14	34.1	9.76	31.78	100	249	A	V
		5170	106.12	-	-	94.04	34.1	9.8	31.82	100	249	P	V
		5170	98.17	-	-	86.09	34.1	9.8	31.82	100	249	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

WIFI Ant. CDD 6+18	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 52 5260MHz		5132.64	56.23	-17.77	74	44.15	34.1	9.77	31.79	176	339	P	H
		5100	42.9	-11.1	54	30.84	34.1	9.74	31.78	176	339	A	H
		5254	108.75	-	-	96.46	34.3	9.86	31.87	176	339	P	H
		5254	99.09	-	-	86.8	34.3	9.86	31.87	176	339	A	H
		5107.2	56.88	-17.12	74	44.8	34.1	9.76	31.78	323	236	P	V
		5100.16	43.15	-10.85	54	31.09	34.1	9.74	31.78	323	236	A	V
		5254	111.64	-	-	99.35	34.3	9.86	31.87	323	236	P	V
		5254	101.62	-	-	89.33	34.3	9.86	31.87	323	236	A	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. CDD 6+18	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 52 5260MHz		5118.4	55.85	-18.15	74	43.78	34.1	9.76	31.79	100	309	P	H
		5103.84	42.88	-11.12	54	30.82	34.1	9.74	31.78	100	309	A	H
		5254	107.03	-	-	94.74	34.3	9.86	31.87	100	309	P	H
		5254	96.83	-	-	84.54	34.3	9.86	31.87	100	309	A	H
		5145.44	56.52	-17.48	74	44.45	34.1	9.78	31.81	100	244	P	V
		5100.16	43.28	-10.72	54	31.22	34.1	9.74	31.78	100	244	A	V
		5260	110.85	-	-	98.48	34.37	9.87	31.87	100	244	P	V
		5260	102.24	-	-	89.87	34.37	9.87	31.87	100	244	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		5108.96	56.41	-17.59	74	44.33	34.1	9.76	31.78	100	230	P	H
		5144.96	44.9	-9.1	54	32.83	34.1	9.78	31.81	100	230	A	H
	*	5314	110.73	-	-	98.19	34.55	9.89	31.9	100	230	P	H
		5314	101.92	-	-	89.38	34.55	9.89	31.9	100	230	A	H
802.11ax		5352.1	62.17	-11.83	74	49.54	34.65	9.91	31.93	100	230	P	H
HE40 Full	!	5350.9	50.93	-3.07	54	38.3	34.65	9.91	31.93	100	230	A	H
CH 62		5108.96	54.58	-19.42	74	42.5	34.1	9.76	31.78	395	28	P	V
5310MHz		5101.12	43.58	-10.42	54	31.52	34.1	9.74	31.78	395	28	A	V
	*	5302	107.11	-	-	94.62	34.5	9.89	31.9	395	28	P	V
		5302	98.33	-	-	85.84	34.5	9.89	31.9	395	28	A	V
		5350.1	54.2	-19.8	74	41.57	34.65	9.91	31.93	395	28	P	V
		5351.4	44.58	-9.42	54	31.95	34.65	9.91	31.93	395	28	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		10619	49.15	-24.85	74	62.87	37.64	15.69	67.05	300	0	P	H
802.11ax		10619	52.59	-21.41	74	66.31	37.64	15.69	67.05	331	24	P	V
HE40 Full		10619	43.21	-10.79	54	56.93	37.64	15.69	67.05	331	24	A	V
CH 62													
5310MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		5148.8	59.65	-14.35	74	47.58	34.1	9.78	31.81	100	250	P	H
	!	5149.6	49.79	-4.21	54	37.72	34.1	9.78	31.81	100	250	A	H
	*	5206	106.05	-	-	93.96	34.1	9.83	31.84	100	250	P	H
		5206	97.84	-	-	85.75	34.1	9.83	31.84	100	250	A	H
802.11ax		5371.92	53.97	-20.03	74	41.28	34.7	9.92	31.93	100	250	P	H
HE80 Full		5351.22	43.78	-10.22	54	31.15	34.65	9.91	31.93	100	250	A	H
CH 42		5108.96	55.48	-18.52	74	43.4	34.1	9.76	31.78	391	27	P	V
5210MHz		5146.56	44.32	-9.68	54	32.25	34.1	9.78	31.81	391	27	A	V
	*	5206	103.1	-	-	91.01	34.1	9.83	31.84	391	27	P	V
		5206	95.15	-	-	83.06	34.1	9.83	31.84	391	27	A	V
		5369.94	53.55	-20.45	74	40.86	34.7	9.92	31.93	391	27	P	V
		5350.01	42.91	-11.09	54	30.28	34.65	9.91	31.93	391	27	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		10432	47.82	-20.48	68.3	61.91	37.51	15.51	67.11	300	0	P	H
802.11ax		10432	49.56	-18.74	68.3	63.65	37.51	15.51	67.11	100	0	P	V
HE80 Full													
CH 42													
5210MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 6+18	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		5119.2	57.78	-16.22	74	45.71	34.1	9.76	31.79	100	250	P	H
		5139.2	48.21	-5.79	54	36.13	34.1	9.77	31.79	100	250	A	H
		5218	104.08	-	-	91.91	34.17	9.84	31.84	100	250	P	H
		5218	95.21	-	-	83.04	34.17	9.84	31.84	100	250	A	H
		5356.4	60.15	-13.85	74	47.52	34.65	9.91	31.93	100	250	P	H
		5357.1	50.27	-3.73	54	37.64	34.65	9.91	31.93	100	250	A	H
		5133.12	55.86	-18.14	74	43.78	34.1	9.77	31.79	357	32	P	V
		5146.08	45.29	-8.71	54	33.22	34.1	9.78	31.81	357	32	A	V
		5284	100.79	-	-	88.36	34.43	9.88	31.88	357	32	P	V
		5284	91.26	-	-	78.83	34.43	9.88	31.88	357	32	A	V
		5385.9	55.28	-18.72	74	42.55	34.75	9.93	31.95	357	32	P	V
		5383.9	45.49	-8.51	54	32.76	34.75	9.93	31.95	357	32	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. CDD 6+18	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		10498	45.63	-22.67	68.3	59.58	37.56	15.58	67.09	300	0	P	H
		10531	49.79	-18.51	68.3	63.67	37.58	15.62	67.08	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3

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 6+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		5824	113.35	-	-	100.14	34.73	10.43	31.95	100	254	P	H
		5824	106.8	-	-	93.59	34.73	10.43	31.95	100	254	A	H
		5850.8	61.01	-59.47	120.48	47.7	34.8	10.44	31.93	100	254	P	H
		5856.4	59.36	-51.15	110.51	45.96	34.87	10.46	31.93	100	254	P	H
		5904.8	55.97	-27.24	83.21	42.36	35.07	10.51	31.97	100	254	P	H
		5950	54.56	-13.74	68.3	40.84	35.2	10.53	32.01	100	254	P	H
		5818	109.35	-	-	96.22	34.67	10.41	31.95	305	90	P	V
		5818	102.51	-	-	89.38	34.67	10.41	31.95	305	90	A	V
		5851.2	60.85	-58.71	119.56	47.54	34.8	10.44	31.93	305	90	P	V
		5855.6	56.24	-54.49	110.73	42.84	34.87	10.46	31.93	305	90	P	V
		5896	54.4	-35.32	89.72	40.88	35	10.49	31.97	305	90	P	V
		5945.6	53.85	-14.45	68.3	40.13	35.2	10.53	32.01	305	90	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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 6+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		11653	45.56	-28.44	74	57.22	38.43	16.46	66.55	300	0	P	H
		17472	52.35	-15.95	68.3	55.33	41.3	20.32	64.6	300	0	P	H
		11653	44.62	-29.38	74	56.28	38.43	16.46	66.55	100	0	P	V
		17483	58.23	-10.07	68.3	61.2	41.3	20.33	64.6	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE20_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 6+18				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 165 5825MHz		5830	115.86	-	-	102.65	34.73	10.43	31.95	100	253	P	H
		5830	107.07	-	-	93.86	34.73	10.43	31.95	100	253	A	H
		5850	64.81	-57.49	122.3	51.5	34.8	10.44	31.93	100	253	P	H
		5857.6	59.65	-50.52	110.17	46.25	34.87	10.46	31.93	100	253	P	H
		5880.4	54.57	-46.72	101.29	41.12	34.93	10.47	31.95	100	253	P	H
		5934	54.65	-13.65	68.3	40.99	35.13	10.52	31.99	100	253	P	H
		5824	110.83	-	-	97.62	34.73	10.43	31.95	275	90	P	V
		5824	102.01	-	-	88.8	34.73	10.43	31.95	275	90	A	V
		5850	59.4	-62.9	122.3	46.09	34.8	10.44	31.93	275	90	P	V
		5856	56.71	-53.91	110.62	43.31	34.87	10.46	31.93	275	90	P	V
		5890	54.56	-39.61	94.17	41.04	35	10.49	31.97	275	90	P	V
		5976.4	55.22	-13.08	68.3	41.36	35.33	10.56	32.03	275	90	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE20_Full (Harmonic @ 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 6+18				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 165 5825MHz		11653	45.52	-28.48	74	57.18	38.43	16.46	66.55	300	0	P	H
		17483	55.54	-12.76	68.3	58.51	41.3	20.33	64.6	300	0	P	H
		11653	44.8	-29.2	74	56.46	38.43	16.46	66.55	100	0	P	V
		17472	62.68	-5.62	68.3	65.03	42.16	20.32	64.83	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 6+18	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 26/8 CH 165 5825MHz		5836	109.31	-	-	96.08	34.73	10.43	31.93	101	73	P	H
		5836	98.95	-	-	85.72	34.73	10.43	31.93	101	73	A	H
		5851.2	54.98	-64.58	119.56	41.67	34.8	10.44	31.93	101	73	P	H
		5867.2	56.1	-51.38	107.48	42.72	34.87	10.46	31.95	101	73	P	H
		5888.4	56.36	-38.99	95.35	42.84	35	10.49	31.97	101	73	P	H
		5984.4	56.03	-12.27	68.3	42.17	35.33	10.56	32.03	101	73	P	H
		5836	112.83	-	-	99.6	34.73	10.43	31.93	109	96	P	V
		5836	101.84	-	-	88.61	34.73	10.43	31.93	109	96	A	V
		5851.2	54.8	-64.76	119.56	41.49	34.8	10.44	31.93	109	96	P	V
		5870.8	56.51	-49.96	106.47	43.06	34.93	10.47	31.95	109	96	P	V
		5889.2	56.98	-37.78	94.76	43.46	35	10.49	31.97	109	96	P	V
		5974.8	56.33	-11.97	68.3	42.47	35.33	10.56	32.03	109	96	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. CDD 6+18	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 52/40 CH 165 5825MHz		5830	109.69	-	-	96.48	34.73	10.43	31.95	300	67	P	H
		5830	99.21	-	-	86	34.73	10.43	31.95	300	67	A	H
		5853.6	54.76	-59.33	114.09	41.36	34.87	10.46	31.93	300	67	P	H
		5870.4	55.51	-51.08	106.59	42.13	34.87	10.46	31.95	300	67	P	H
		5903.6	55.93	-28.17	84.1	42.41	35	10.49	31.97	300	67	P	H
		5943.6	57.07	-11.23	68.3	43.35	35.2	10.53	32.01	300	67	P	H
		5830	112.62	-	-	99.41	34.73	10.43	31.95	109	280	P	V
		5830	103.32	-	-	90.11	34.73	10.43	31.95	109	280	A	V
		5850	54.43	-67.87	122.3	41.12	34.8	10.44	31.93	109	280	P	V
		5858.4	55.36	-54.59	109.95	41.98	34.87	10.46	31.95	109	280	P	V
		5922.4	55.96	-14.26	70.22	42.3	35.13	10.52	31.99	109	280	P	V
		5986	55.89	-12.41	68.3	42.05	35.33	10.56	32.05	109	280	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. CDD 6+18	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		5830	110.64	-	-	97.43	34.73	10.43	31.95	114	70	P	H
		5830	102.53	-	-	89.32	34.73	10.43	31.95	114	70	A	H
		5850.4	60.62	-60.77	121.39	47.31	34.8	10.44	31.93	114	70	P	H
		5872.4	54.1	-51.93	106.03	40.65	34.93	10.47	31.95	114	70	P	H
		5889.6	53.92	-40.54	94.46	40.4	35	10.49	31.97	114	70	P	H
		5959.2	54.91	-13.39	68.3	41.1	35.27	10.55	32.01	114	70	P	H
		5830	112.09	-	-	98.88	34.73	10.43	31.95	102	278	P	V
		5830	104.48	-	-	91.27	34.73	10.43	31.95	102	278	A	V
		5854.4	53.75	-58.52	112.27	40.35	34.87	10.46	31.93	102	278	P	V
		5873.2	54.98	-50.82	105.8	41.53	34.93	10.47	31.95	102	278	P	V
		5918.8	54.55	-18.32	72.87	40.96	35.07	10.51	31.99	102	278	P	V
		5980	55.53	-12.77	68.3	41.67	35.33	10.56	32.03	102	278	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE40_Full (Band Edge @ 3m)

WIFI Ant.	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)
CDD 6+18		5648	54.14	-14.16	68.3	41.4	34.56	10.28	32.1	100	264	P	H
		5677.2	54.43	-34.04	88.47	41.69	34.52	10.3	32.08	100	264	P	H
		5708.8	54.9	-52.87	107.77	42.09	34.52	10.33	32.04	100	264	P	H
		5720.2	53.72	-57.64	111.36	40.88	34.53	10.35	32.04	100	264	P	H
		5800	111.73	-	-	98.7	34.6	10.4	31.97	100	264	P	H
		5800	102.52	-	-	89.49	34.6	10.4	31.97	100	264	A	H
		5851.6	58.23	-60.42	118.65	44.92	34.8	10.44	31.93	100	264	P	H
		5864.8	55.14	-53.01	108.15	41.76	34.87	10.46	31.95	100	264	P	H
802.11ax		5891.2	54.84	-38.44	93.28	41.32	35	10.49	31.97	100	264	P	H
HE40 Full		5974.4	55.6	-12.7	68.3	41.74	35.33	10.56	32.03	100	264	P	H
CH 159		5649.6	53.12	-15.18	68.3	40.39	34.54	10.29	32.1	342	0	P	V
5795MHz		5698.4	53.75	-50.37	104.12	40.99	34.5	10.32	32.06	342	0	P	V
		5700.4	52.8	-52.61	105.41	40.04	34.5	10.32	32.06	342	0	P	V
		5720	52.27	-58.63	110.9	39.43	34.53	10.35	32.04	342	0	P	V
		5794	105.58	-	-	92.55	34.6	10.4	31.97	342	0	P	V
		5794	98.43	-	-	85.4	34.6	10.4	31.97	342	0	A	V
		5852.4	54.12	-62.71	116.83	40.81	34.8	10.44	31.93	342	0	P	V
		5860.4	53.37	-56.02	109.39	39.99	34.87	10.46	31.95	342	0	P	V
		5876.8	55.84	-48.12	103.96	42.39	34.93	10.47	31.95	342	0	P	V
		5942.4	54.17	-14.13	68.3	40.45	35.2	10.53	32.01	342	0	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

**WIFI 802.11ax HE40_Full (Harmonic @ 3m)**

WIFI Ant. CDD 6+18	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	44.85	-29.15	74	56.7	38.37	16.41	66.63	300	0	P	H
CH 159 5795MHz		11587	44.38	-29.62	74	56.23	38.37	16.41	66.63	100	0	P	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE80_Full (Band Edge @ 3m)

WIFI Ant. CDD 6+18	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		5643.6	54.09	-14.21	68.3	41.35	34.56	10.28	32.1	100	255	P	H
		5700	59.59	-45.71	105.3	46.83	34.5	10.32	32.06	100	255	P	H
		5719.2	61.52	-49.16	110.68	48.68	34.53	10.35	32.04	100	255	P	H
		5722	61.65	-53.81	115.46	48.81	34.53	10.35	32.04	100	255	P	H
		5770	107.77	-	-	94.79	34.58	10.39	31.99	100	255	P	H
		5770	99.48	-	-	86.5	34.58	10.39	31.99	100	255	A	H
		5850	59.25	-63.05	122.3	45.94	34.8	10.44	31.93	100	255	P	H
		5858.4	57.5	-52.45	109.95	44.12	34.87	10.46	31.95	100	255	P	H
		5906.8	54.86	-26.87	81.73	41.25	35.07	10.51	31.97	100	255	P	H
		5926.8	54.77	-13.53	68.3	41.11	35.13	10.52	31.99	100	255	P	H
		5637.6	53.48	-14.82	68.3	40.74	34.56	10.28	32.1	348	0	P	V
		5669.2	53.08	-29.47	82.55	40.34	34.52	10.3	32.08	348	0	P	V
		5702	54.54	-51.32	105.86	41.75	34.52	10.33	32.06	348	0	P	V
		5722	54.86	-60.6	115.46	42.02	34.53	10.35	32.04	348	0	P	V
		5782	102.73	-	-	89.73	34.58	10.39	31.97	348	0	P	V
		5782	94.38	-	-	81.38	34.58	10.39	31.97	348	0	A	V
		5852.8	53.62	-62.3	115.92	40.31	34.8	10.44	31.93	348	0	P	V
		5862	53.9	-55.04	108.94	40.52	34.87	10.46	31.95	348	0	P	V
		5914.4	53.55	-22.57	76.12	39.96	35.07	10.51	31.99	348	0	P	V
		5978.4	54.02	-14.28	68.3	40.16	35.33	10.56	32.03	348	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**WIFI 802.11ax HE80_Full (Harmonic @ 3m)**

WIFI Ant. CDD 6+18	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	45.33	-28.67	74	57.26	38.35	16.39	66.67	300	0	P	H
CH 155 5775MHz		11554	44.93	-29.07	74	56.86	38.35	16.39	66.67	100	0	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 HE20 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 6+18		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full LF		45.52	27.06	-12.94	40	42.89	16.13	0.96	32.92	-	-	P	H
		107.6	23.06	-20.44	43.5	37.32	17.09	1.53	32.88	-	-	P	H
		178.41	23.77	-19.73	43.5	38.86	15.93	1.95	32.97	-	-	P	H
		244.37	26.06	-19.94	46	38.92	18.15	2.09	33.1	-	-	P	H
		261.83	25.83	-20.17	46	37.99	18.69	2.2	33.05	-	-	P	H
		731.31	29.17	-16.83	46	32.28	25.6	4.03	32.74	-	-	P	H
		37.76	32.6	-7.4	40	44.14	20.4	0.82	32.76	-	-	P	V
		47.46	33.69	-6.31	40	50.27	15.4	0.97	32.95	-	-	P	V
		90.14	27.42	-16.08	43.5	43.58	15.1	1.34	32.6	-	-	P	V
		104.69	25.18	-18.32	43.5	39.43	17.13	1.51	32.89	-	-	P	V
		216.24	26.9	-19.1	46	41.43	16.48	2.09	33.1	-	-	P	V
		566.41	30.83	-15.17	46	35.03	25.03	3.34	32.57	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<Co-location mode>

WIFI 802.11ax HE40 Full + BLE + GSM850

2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

BLE	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)
BLE CH 39 2480MHz	*	2499.22	54.19	-19.81	74	47.51	32.5	6.75	32.57	131	292	P	H
	*	2487.7	45.58	-8.42	54	38.97	32.5	6.75	32.64	131	292	A	H
		2480	99.17	-	-	92.65	32.43	6.73	32.64	131	292	P	H
		2480	96.96	-	-	90.44	32.43	6.73	32.64	131	292	A	H
	*	2497.36	54.49	-19.51	74	47.81	32.5	6.75	32.57	370	17	P	V
	*	2490.46	45.55	-8.45	54	38.94	32.5	6.75	32.64	370	17	A	V
		2480	93.58	-	-	87.06	32.43	6.73	32.64	370	17	P	V
		2480	91.37	-	-	84.85	32.43	6.73	32.64	370	17	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

BLE	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)
BLE CH 39 2480MHz		4965	41.41	-32.59	74	59.41	34.1	9.61	61.71	300	0	P	H
		7440	42.98	-31.02	74	57.57	35.7	11.78	62.07	300	0	P	H
		4965	41.82	-32.18	74	59.82	34.1	9.61	61.71	100	0	P	V
		7440	43.19	-30.81	74	57.78	35.7	11.78	62.07	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		5114.24	54.95	-19.05	74	42.87	34.1	9.76	31.78	100	220	P	H
		5116.32	44.07	-9.93	54	31.99	34.1	9.76	31.78	100	220	A	H
	*	5308	108.11	-	-	95.62	34.5	9.89	31.9	100	220	P	H
		5308	100.64	-	-	88.15	34.5	9.89	31.9	100	220	A	H
802.11ax		5350.9	58.98	-15.02	74	46.35	34.65	9.91	31.93	100	220	P	H
HE40 Full	!	5352.3	49.48	-4.52	54	36.85	34.65	9.91	31.93	100	220	A	H
CH 62		5138.4	53.44	-20.56	74	41.36	34.1	9.77	31.79	334	15	P	V
5310MHz		5100.64	43.5	-10.5	54	31.44	34.1	9.74	31.78	334	15	A	V
	*	5314	103.67	-	-	91.13	34.55	9.89	31.9	334	15	P	V
		5314	95.67	-	-	83.13	34.55	9.89	31.9	334	15	A	V
		5354	53.75	-20.25	74	41.12	34.65	9.91	31.93	334	15	P	V
		5352.3	44.07	-9.93	54	31.44	34.65	9.91	31.93	334	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
CDD 6+18		10619	46.65	-27.35	74	56.21	37.77	14.31	61.64	300	0	P	H
802.11ax		10619	49.32	-24.68	74	58.88	37.77	14.31	61.64	100	0	P	V
HE40 Full													
CH 62													
5310MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



<Co-location mode>

WIFI 802.11ax HE40 Full + WIFI 802.11ax HE20 Full + GSM850

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax 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.	
CDD 7+16		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 11 2462MHz	*	2486.02	61.83	-12.17	74	55.31	32.43	6.73	32.64	165	100	P	H
	*	2483.5	48.51	-5.49	54	41.99	32.43	6.73	32.64	165	100	A	H
		2456	110.52	-	-	104.16	32.37	6.7	32.71	165	100	P	H
	!	2458	100.8	-	-	94.44	32.37	6.7	32.71	165	100	A	H
	*	2487.16	59.08	-14.92	74	52.56	32.43	6.73	32.64	372	72	P	V
	*	2485.72	46.16	-7.84	54	39.64	32.43	6.73	32.64	372	72	A	V
		2456	109.7	-	-	103.34	32.37	6.7	32.71	372	72	P	V
		2458	100.03	-	-	93.67	32.37	6.7	32.71	372	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax 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.	
CDD 7+16		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 11 2462MHz		4920	41.85	-32.15	74	59.3	34.1	9.58	61.13	300	0	P	H
		7380	44.23	-29.77	74	57.68	35.7	11.71	60.86	300	0	P	H
		4920	41.93	-32.07	74	59.38	34.1	9.58	61.13	100	0	P	V
		7380	44.11	-29.89	74	57.56	35.7	11.71	60.86	100	0	P	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 Full (Band Edge @ 3m)

WIFI Ant. CDD 6+18	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 62 5310MHz		5138.4	53.71	-20.29	74	41.63	34.1	9.77	31.79	100	119	P	H
		5105.6	43.7	-10.3	54	31.62	34.1	9.76	31.78	100	119	A	H
	*	5302	107.28	-	-	94.79	34.5	9.89	31.9	100	119	P	H
		5302	99.01	-	-	86.52	34.5	9.89	31.9	100	119	A	H
		5351.7	63.59	-10.41	74	50.96	34.65	9.91	31.93	100	119	P	H
	!	5352.5	50.89	-3.11	54	38.26	34.65	9.91	31.93	100	119	A	H
		5145.6	54.34	-19.66	74	42.27	34.1	9.78	31.81	334	17	P	V
		5100	43.5	-10.5	54	31.44	34.1	9.74	31.78	334	17	A	V
	*	5296	104.6	-	-	92.09	34.5	9.89	31.88	334	17	P	V
		5296	96.75	-	-	84.24	34.5	9.89	31.88	334	17	A	V
		5355.2	55.68	-18.32	74	43.05	34.65	9.91	31.93	334	17	P	V
		5353.9	45.39	-8.61	54	32.76	34.65	9.91	31.93	334	17	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 Full (Harmonic @ 3m)

WIFI Ant. CDD 6+18	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 62 5310MHz		10619	45.5	-28.5	74	55.06	37.77	14.31	61.64	300	0	P	H
		10619	49.2	-24.8	74	58.76	37.77	14.31	61.64	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 not under limit 6dB .
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.	
CDD 6+18		(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:

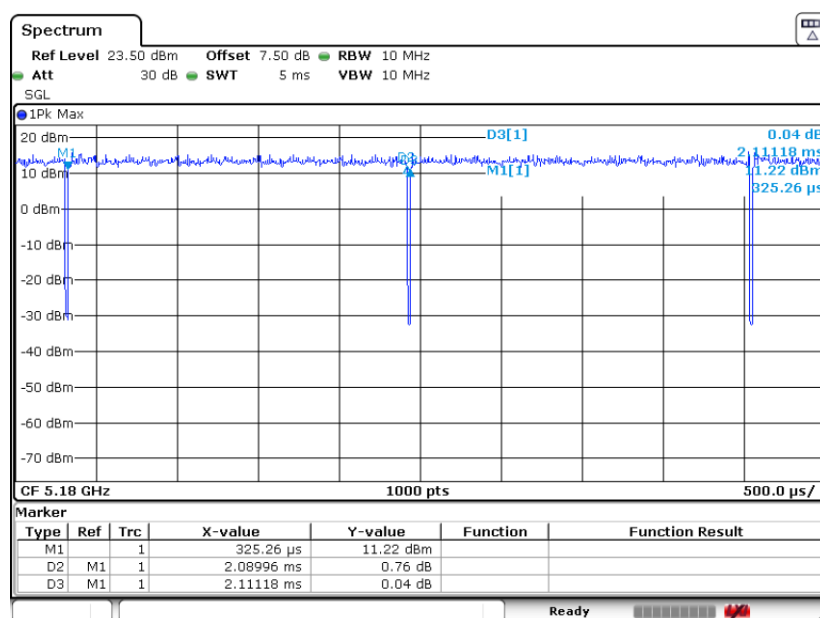
1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

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

Appendix D. Duty Cycle Plots

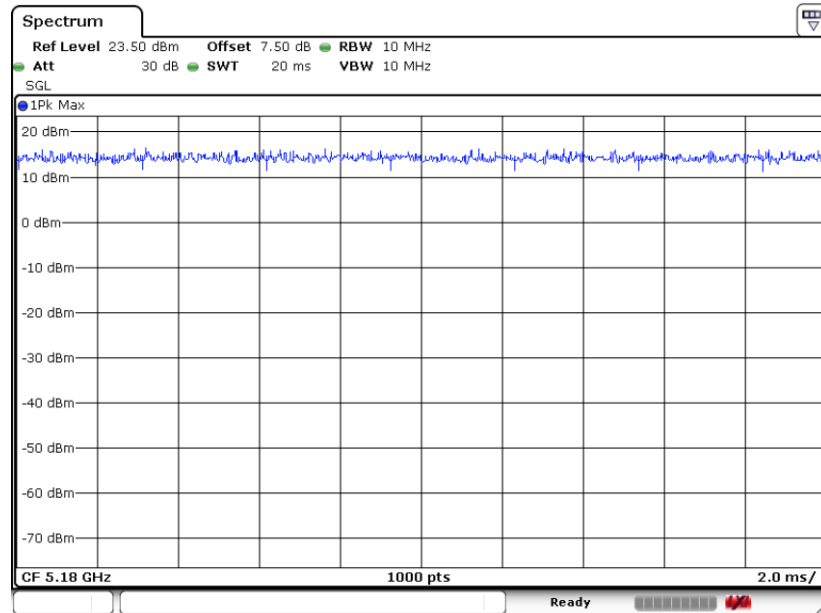
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
6+18	802.11a	98.99	-	-	10Hz
6+18	802.11ax HE20	100	-	-	10Hz
6+18	802.11ax HE40	100	-	-	10Hz
6+18	802.11ax HE80	99.13	-	-	10Hz
6+18	802.11ax HE160	99.32	-	-	10Hz

802.11a

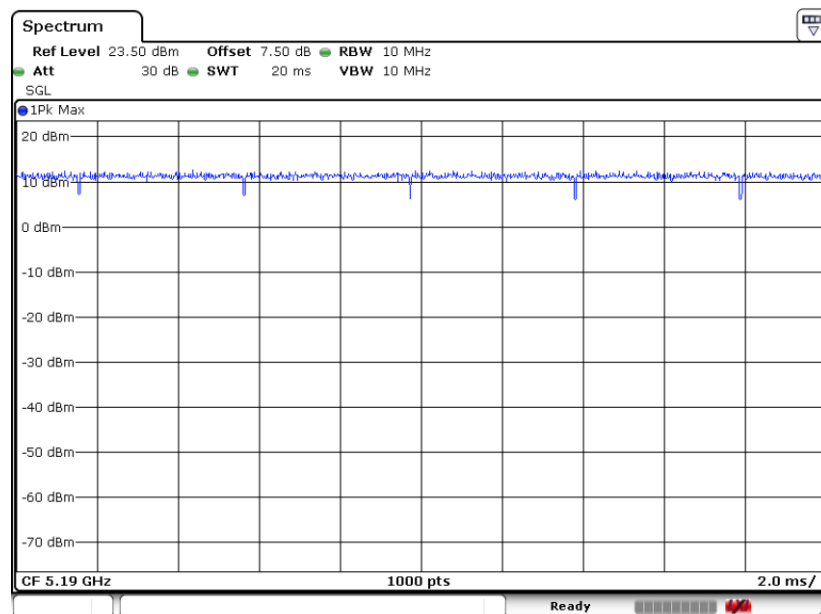




802.11ax HE20

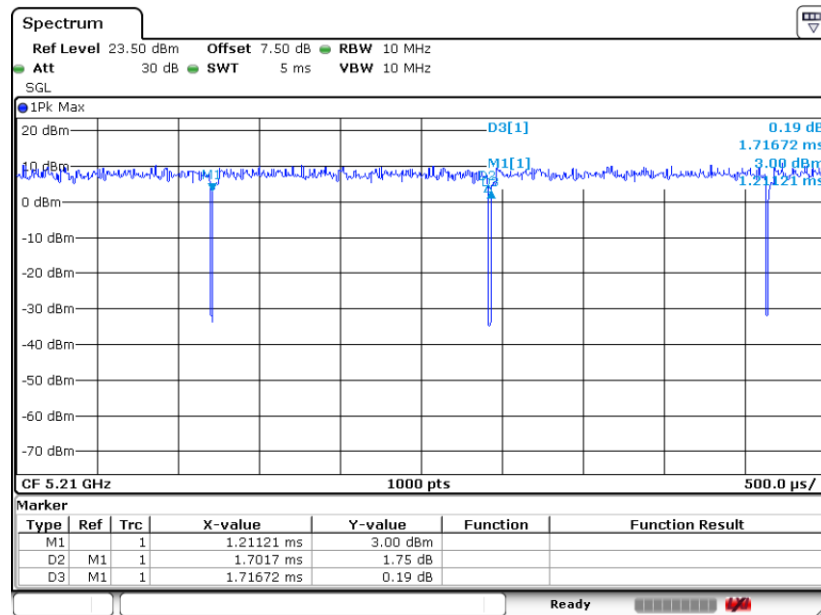


802.11ax HE40





802.11ax HE80



802.11ax HE160

