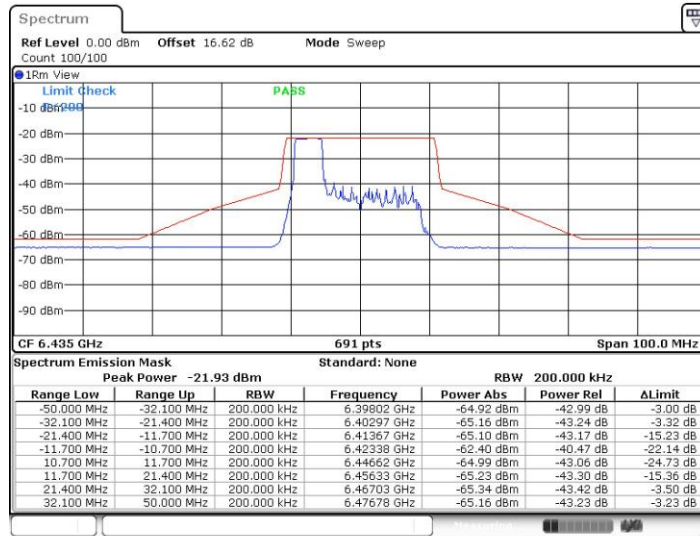
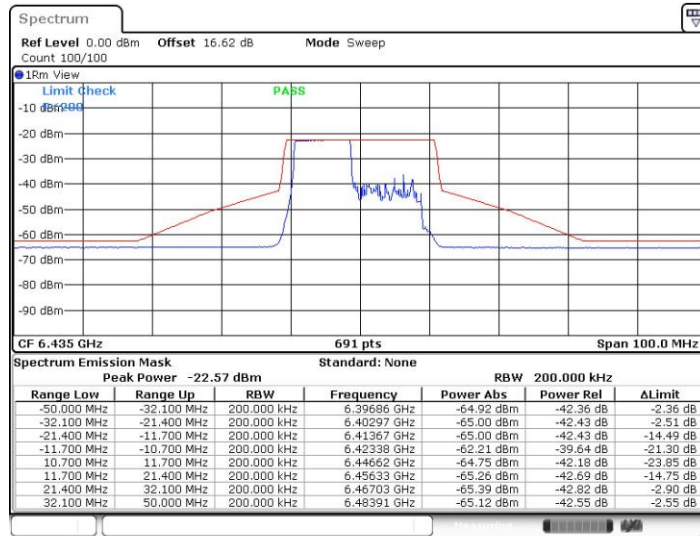




11AX20MIMO_Ant2_6435_52Tone_RU37

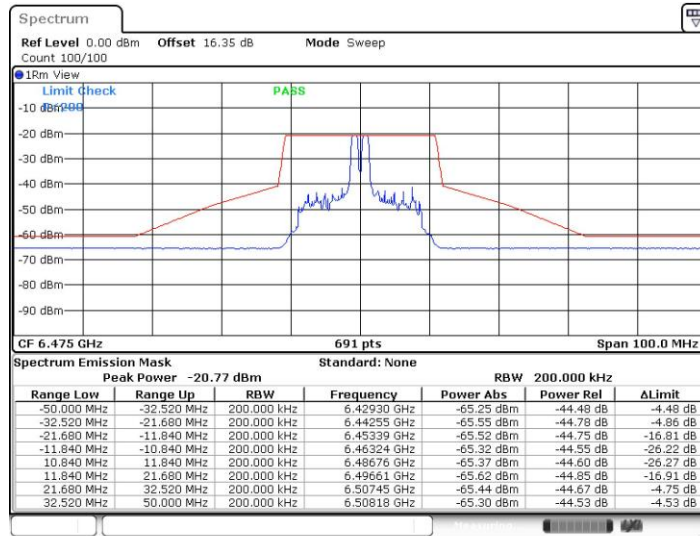


11AX20MIMO_Ant2_6435_106Tone_RU53



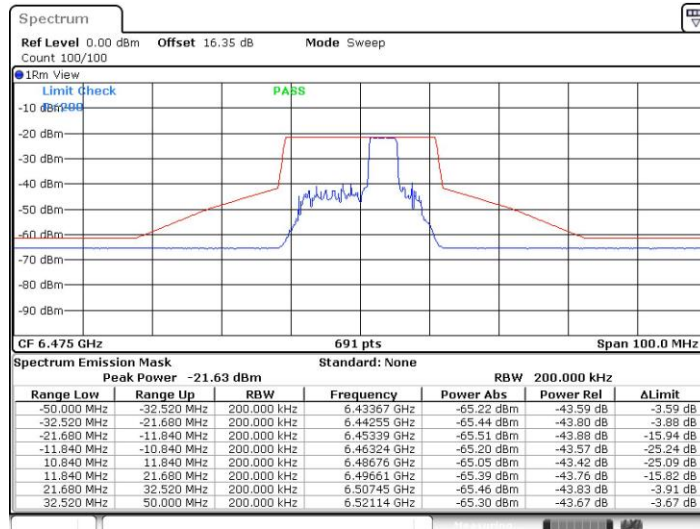


11AX20MIMO_Ant1_6475_26Tone_RU4



Date: 28.MAR.2022 05:30:09

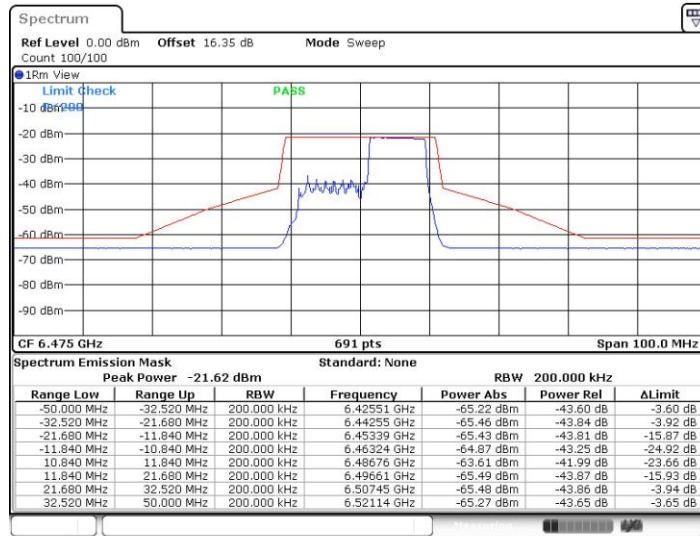
11AX20MIMO_Ant1_6475_52Tone_RU39



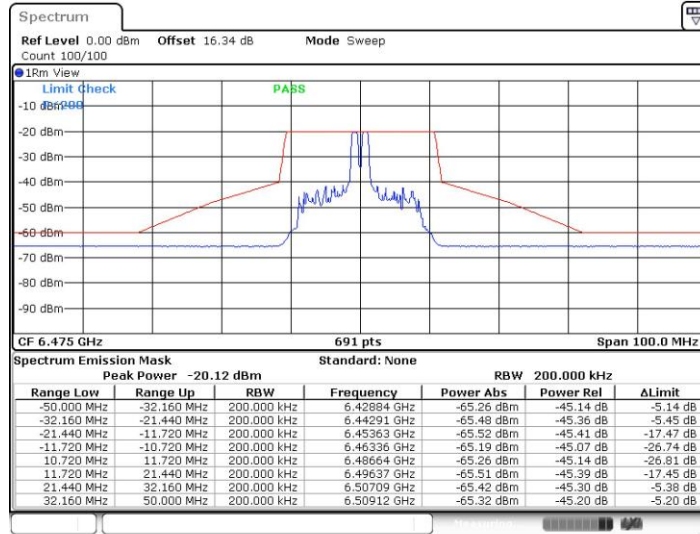
Date: 28.MAR.2022 05:37:33



11AX20MIMO_Ant1_6475_106Tone_RU54

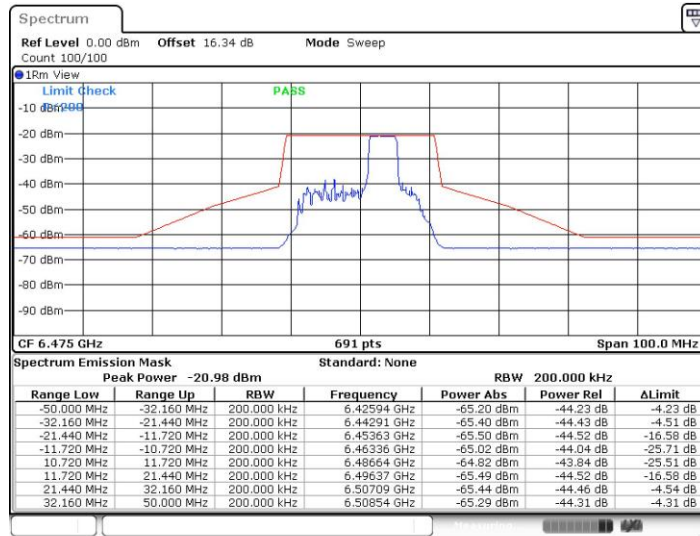


11AX20MIMO_Ant2_6475_26Tone_RU4



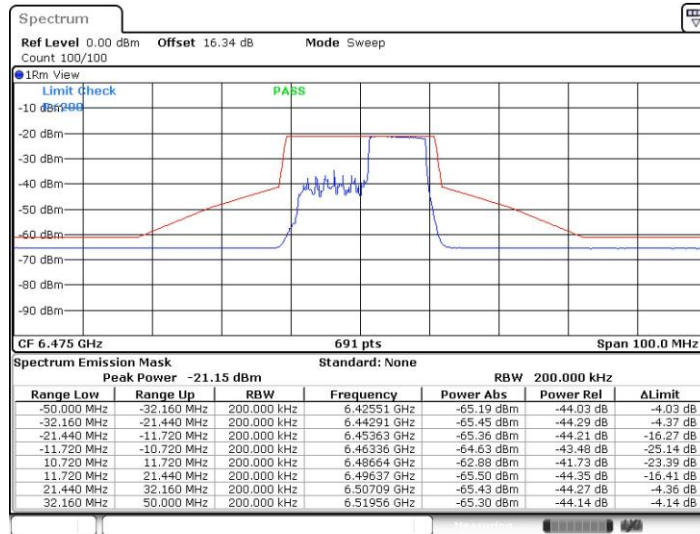


11AX20MIMO_Ant2_6475_52Tone_RU39



Date: 28.MAR.2022 05:38:05

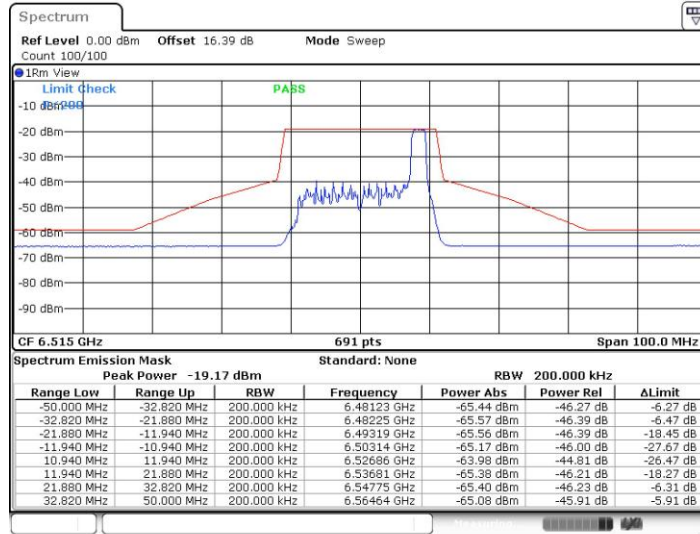
11AX20MIMO_Ant2_6475_106Tone_RU54



Date: 28.MAR.2022 05:45:11

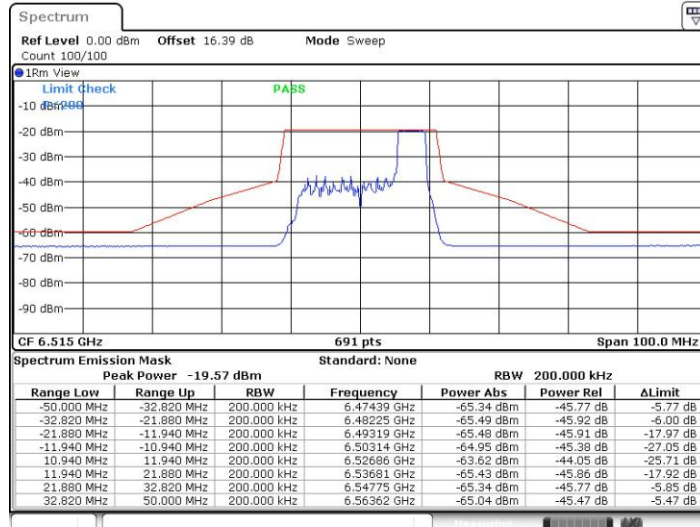


11AX20MIMO_Ant1_6515_26Tone_RU8



Date: 28.MAR.2022 07:10:32

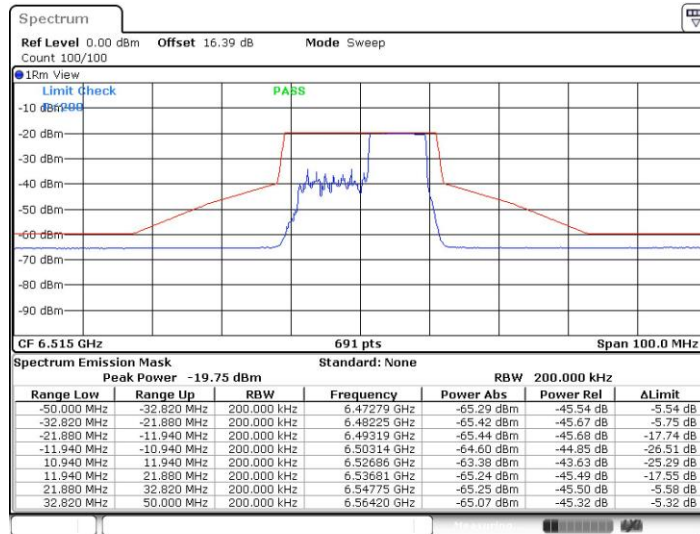
11AX20MIMO_Ant1_6515_52Tone_RU40



Date: 28.MAR.2022 07:15:42

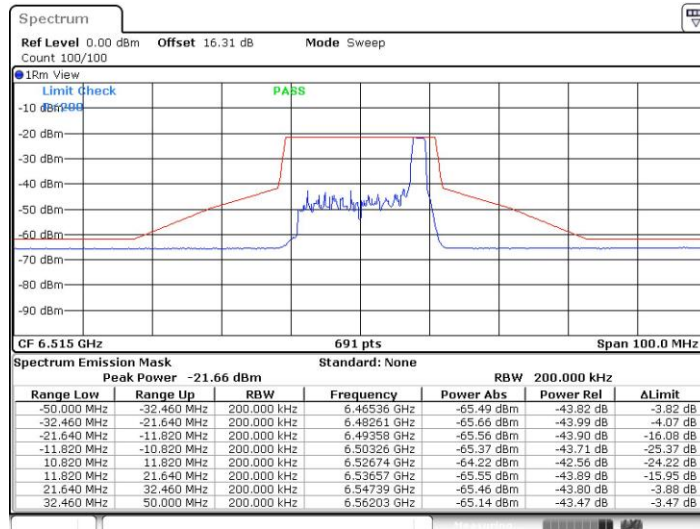


11AX20MIMO_Ant1_6515_106Tone_RU54



Date: 28.MAR.2022 07:21:08

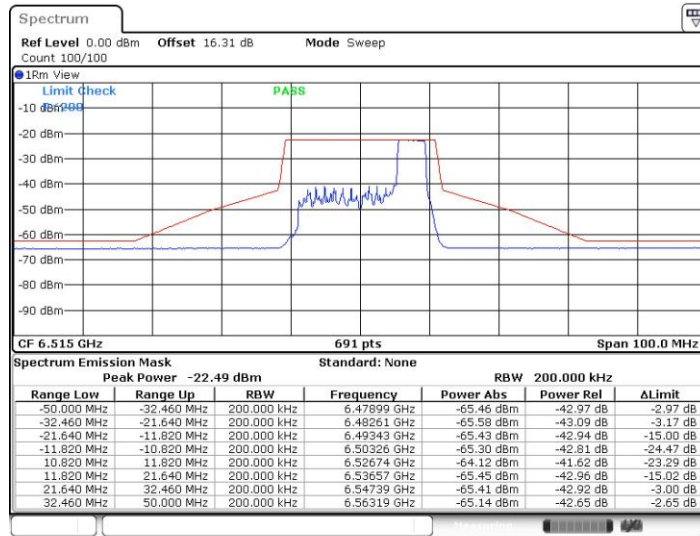
11AX20MIMO_Ant2_6515_26Tone_RU6



Date: 28.MAR.2022 07:11:04

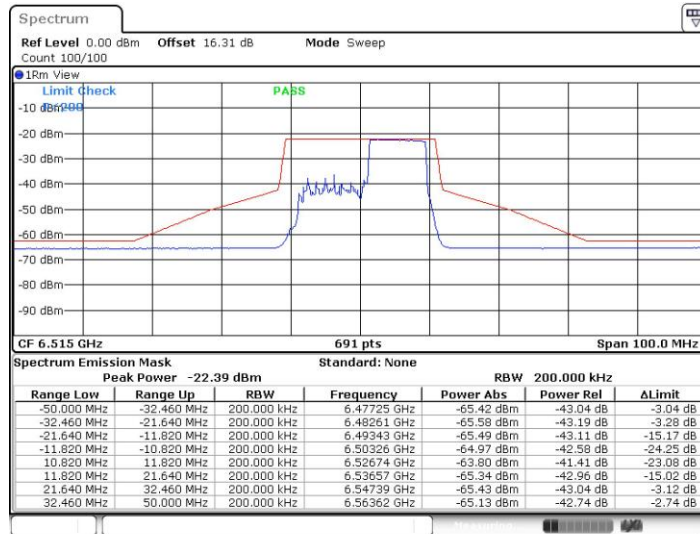


11AX20MIMO_Ant2_6515_52Tone_RU40



Date: 28.MAR.2022 07:16:13

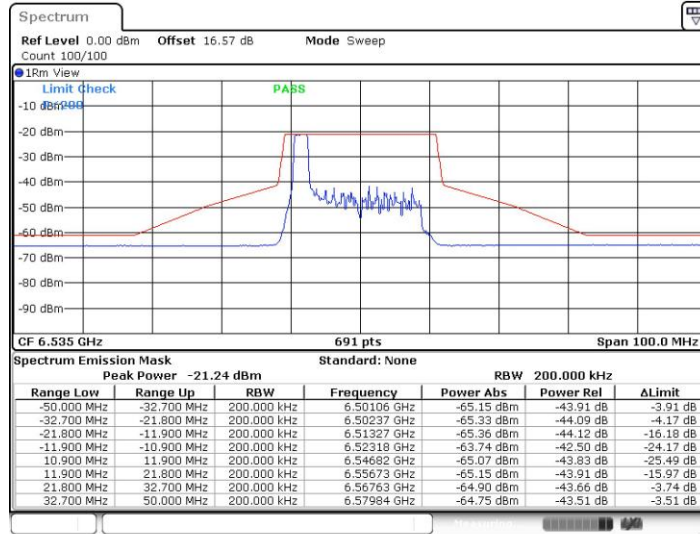
11AX20MIMO_Ant2_6515_106Tone_RU54



Date: 28.MAR.2022 07:21:39

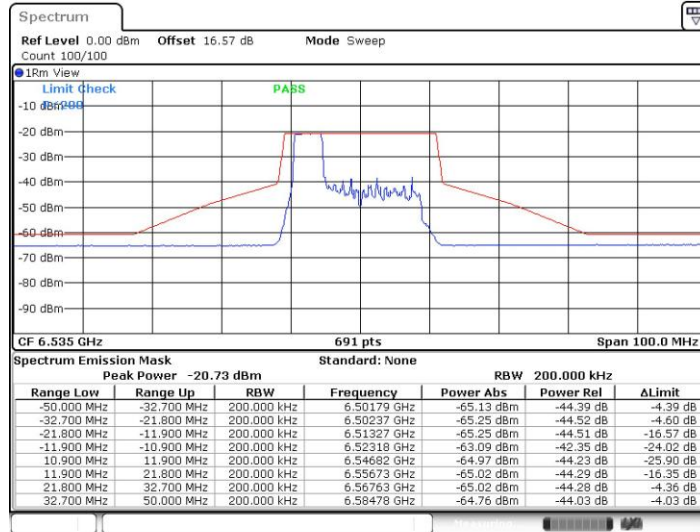


11AX20MIMO_Ant1_6535_26Tone_RU0



Date: 28.MAR.2022 07:28:07

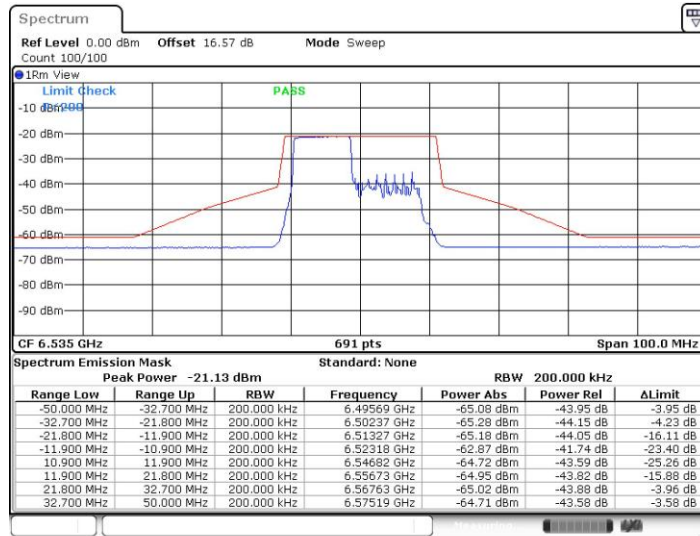
11AX20MIMO_Ant1_6535_52Tone_RU37



Date: 28.MAR.2022 07:34:20

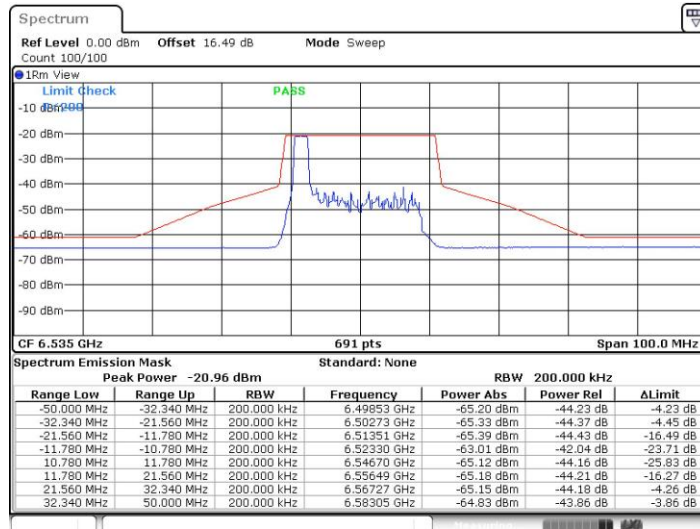


11AX20MIMO_Ant1_6535_106Tone_RU53



Date: 28.MAR.2022 07:38:32

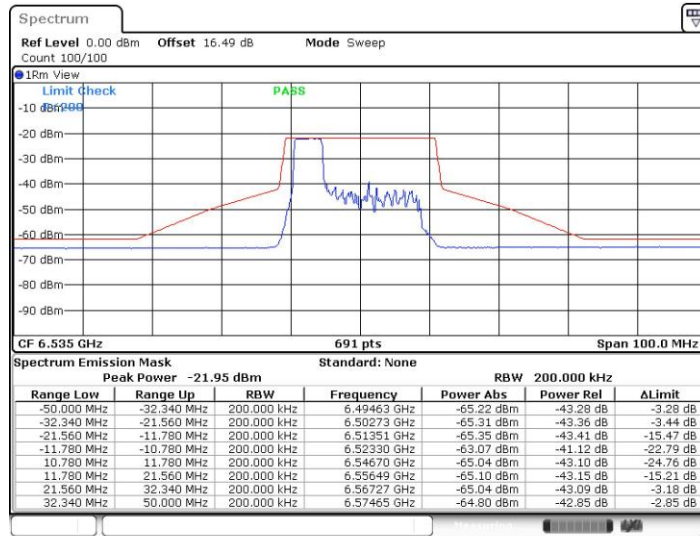
11AX20MIMO_Ant2_6535_26Tone_RU60



Date: 28.MAR.2022 07:28:38

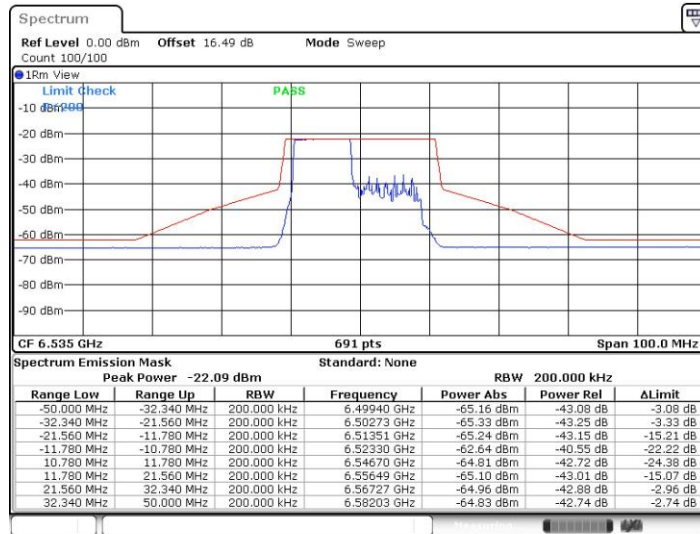


11AX20MIMO_Ant2_6535_52Tone_RU37



Date: 28.MAR.2022 07:34:52

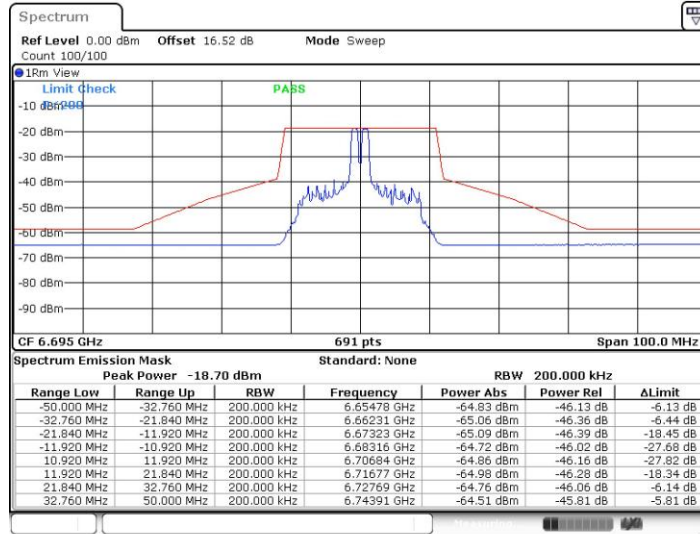
11AX20MIMO_Ant2_6535_106Tone_RU53



Date: 28.MAR.2022 07:39:03

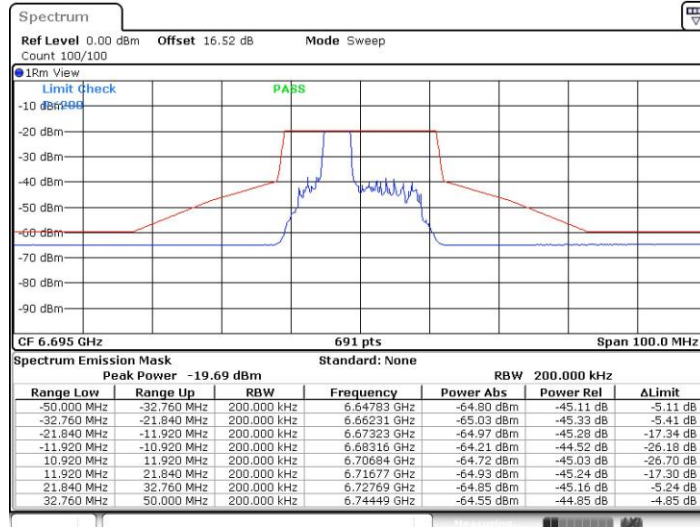


11AX20MIMO_Ant1_6695_26Tone_RU4



Date: 28.MAR.2022 07:49:00

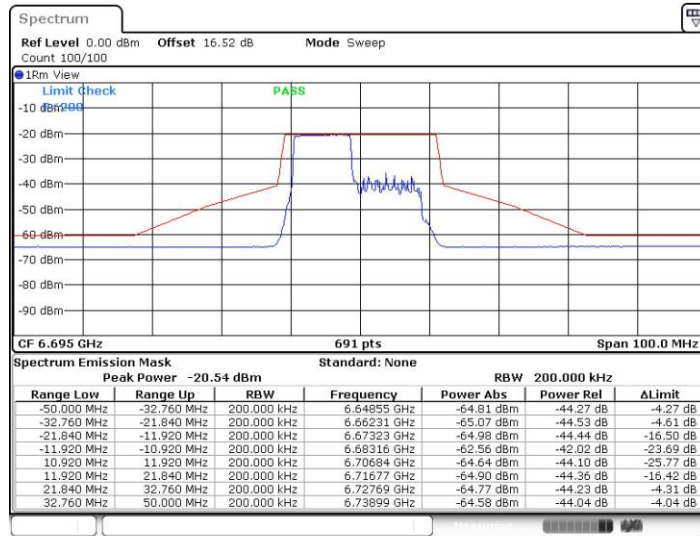
11AX20MIMO_Ant1_6695_52Tone_RU38



Date: 28.MAR.2022 07:56:32

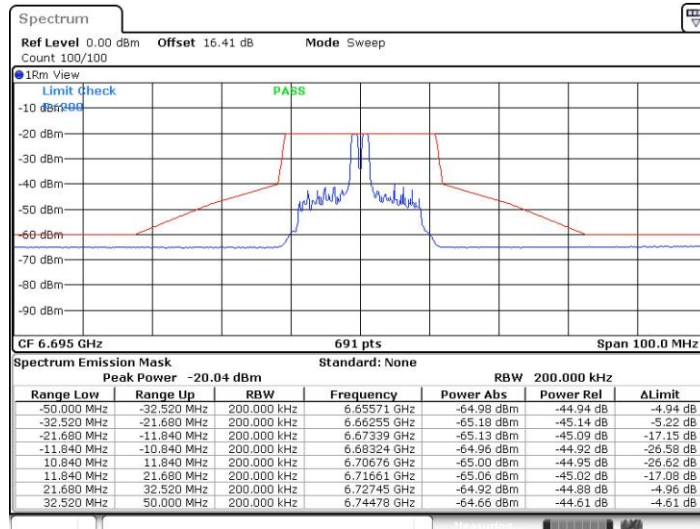


11AX20MIMO_Ant1_6695_106Tone_RU53



Date: 28.MAR.2022 08:03:37

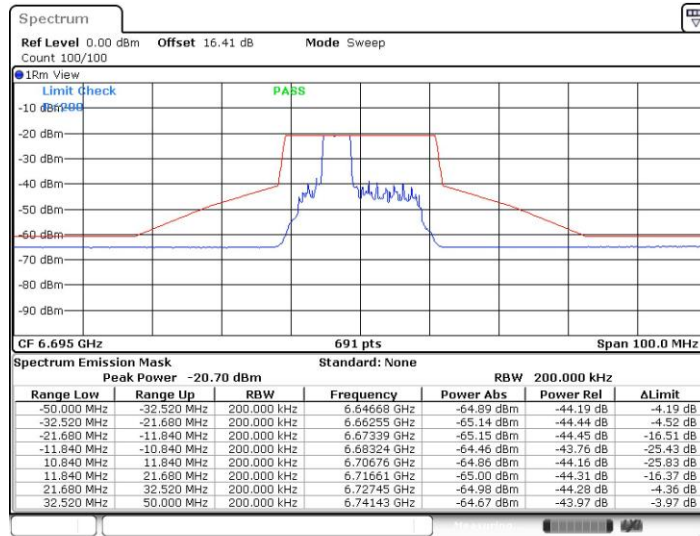
11AX20MIMO_Ant2_6695_26Tone_RU4



Date: 28.MAR.2022 07:49:31

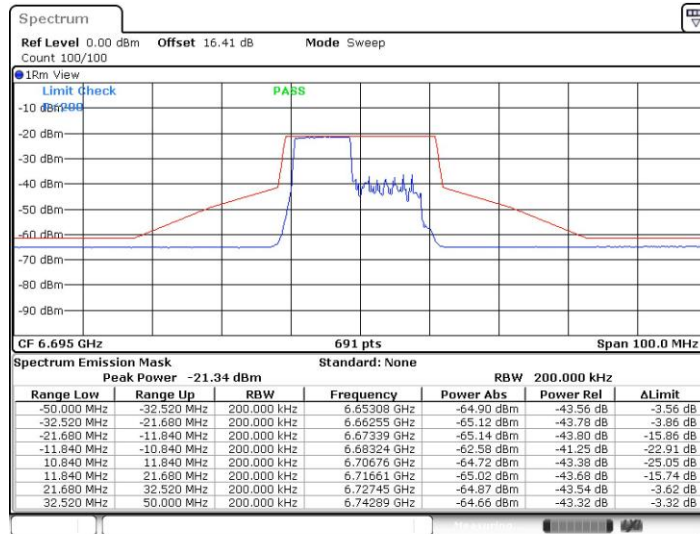


11AX20MIMO_Ant2_6695_52Tone_RU38



Date: 28.MAR.2022 07:57:03

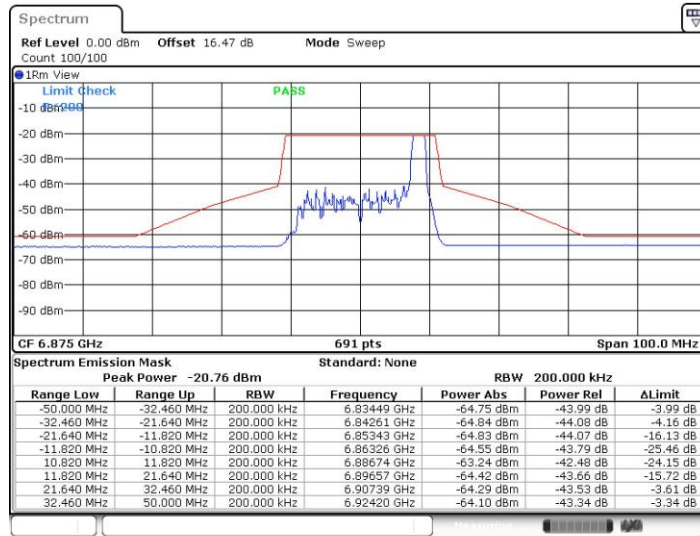
11AX20MIMO_Ant2_6695_106Tone_RU53



Date: 28.MAR.2022 08:04:08

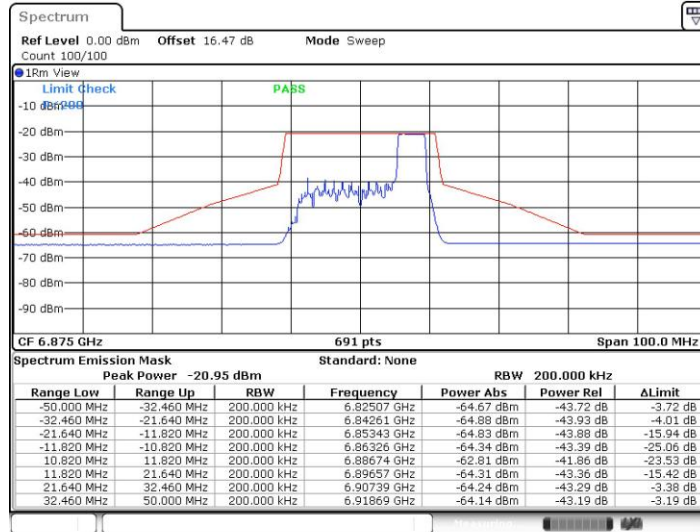


11AX20MIMO_Ant1_6875_26Tone_RU8



Date: 28.MAR.2022 08:23:42

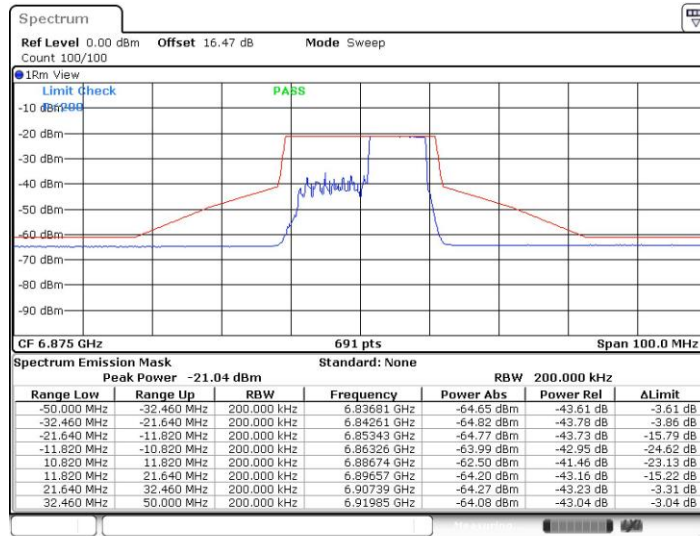
11AX20MIMO_Ant1_6875_52Tone_RU40



Date: 28.MAR.2022 08:35:48

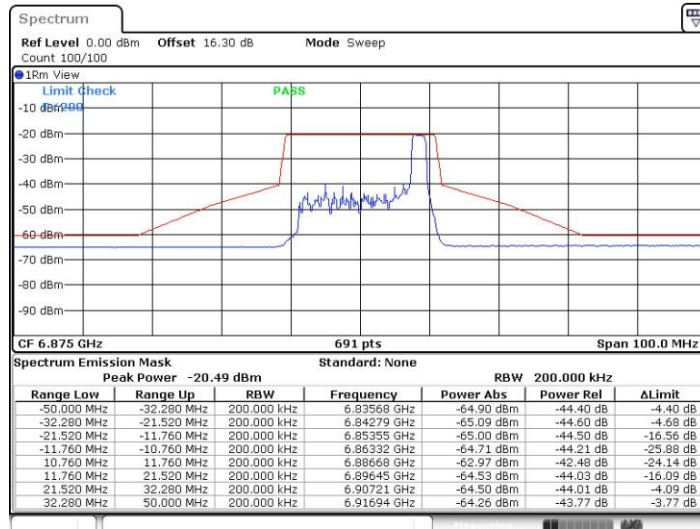


11AX20MIMO_Ant1_6875_106Tone_RU54



Date: 28.MAR.2022 08:47:41

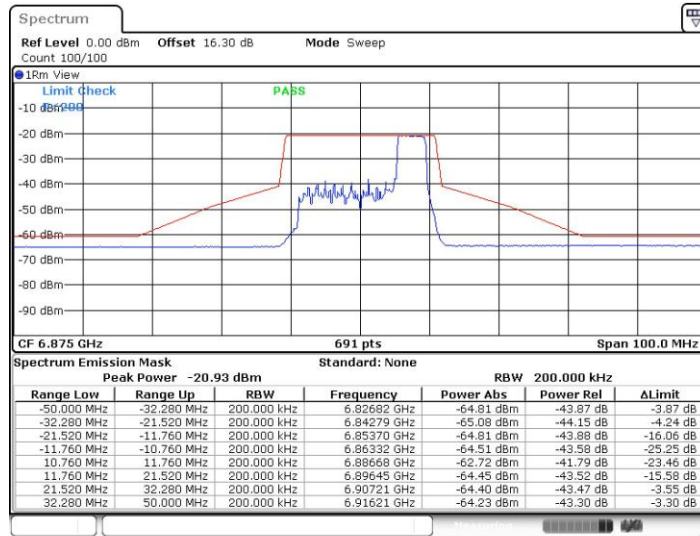
11AX20MIMO_Ant2_6875_26Tone_RU6



Date: 28.MAR.2022 08:24:13

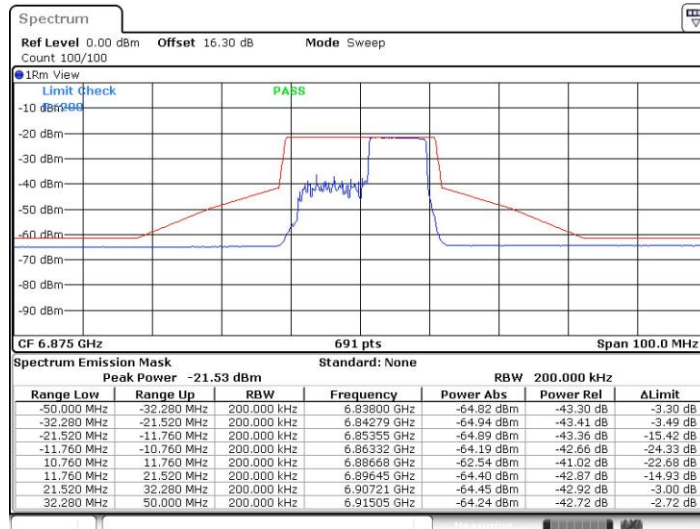


11AX20MIMO_Ant2_6875_52Tone_RU40



Date: 28.MAR.2022 08:34:36

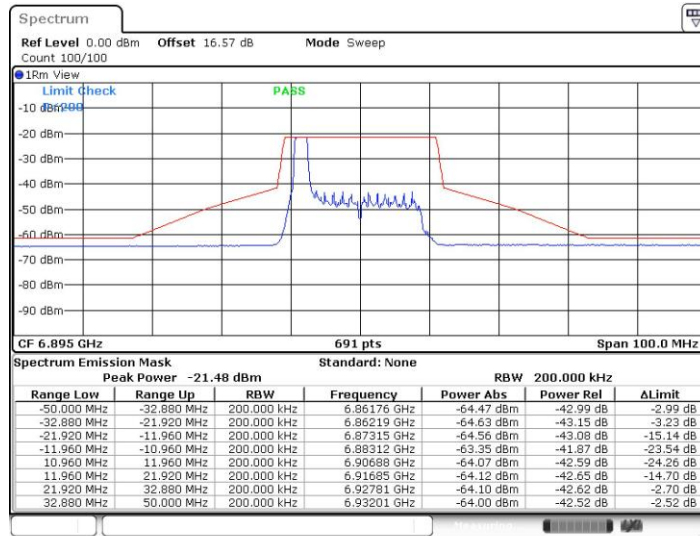
11AX20MIMO_Ant2_6875_106Tone_RU54



Date: 28.MAR.2022 08:50:09

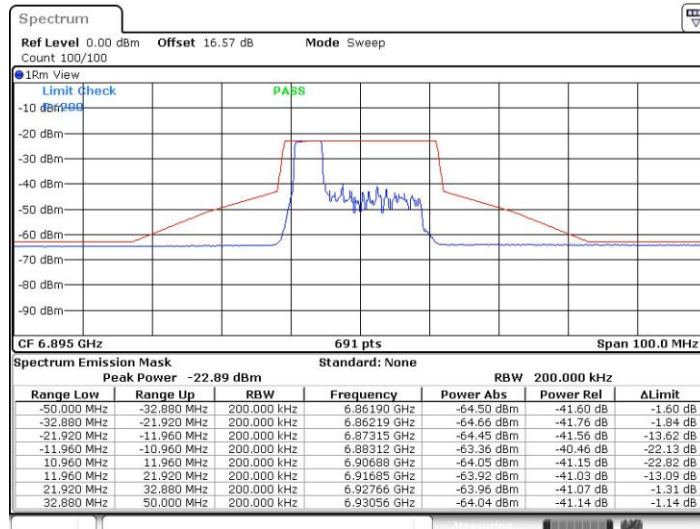


11AX20MIMO_Ant1_6895_26Tone_RU0



Date: 28.MAR.2022 08:55:03

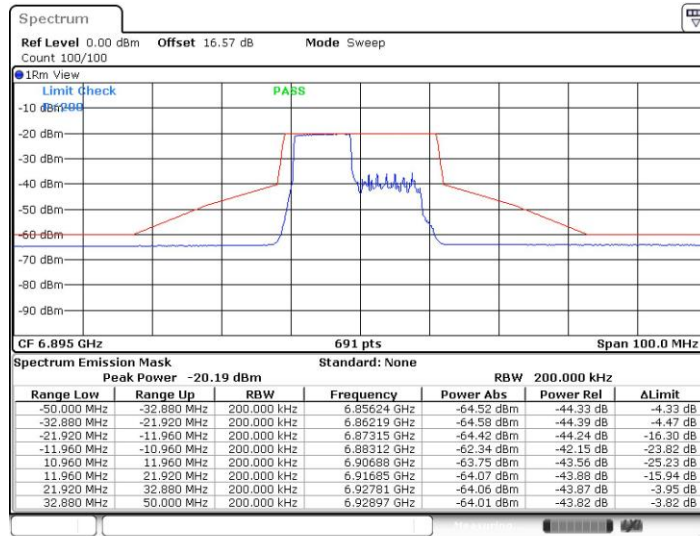
11AX20MIMO_Ant1_6895_52Tone_RU37



Date: 28.MAR.2022 09:02:06

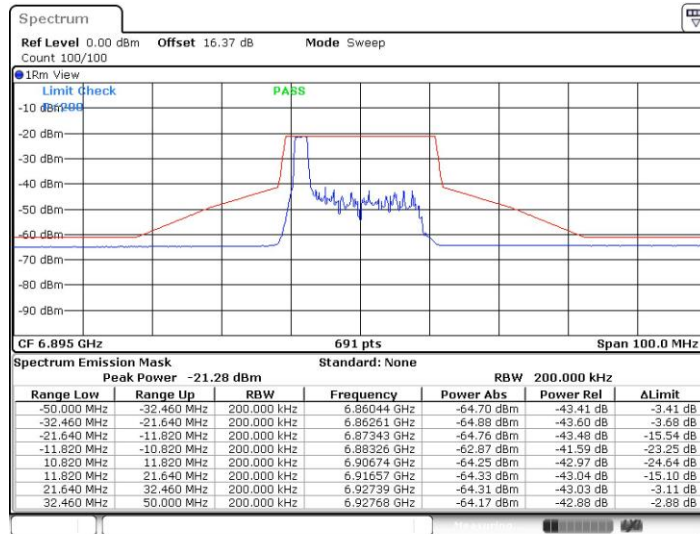


11AX20MIMO_Ant1_6895_106Tone_RU53



Date: 28.MAR.2022 09:07:19

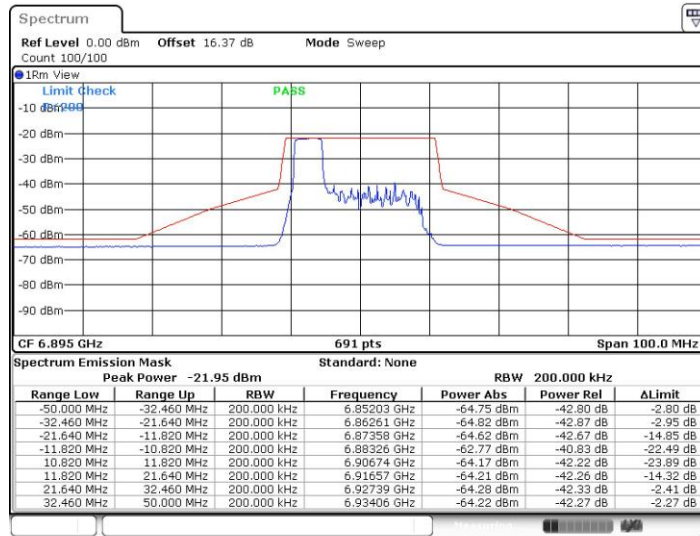
11AX20MIMO_Ant2_6895_26Tone_RU60



Date: 28.MAR.2022 08:55:34

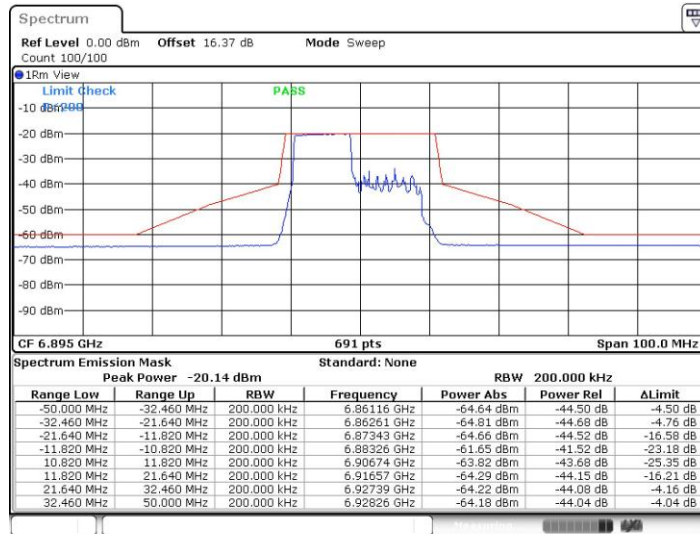


11AX20MIMO_Ant2_6895_52Tone_RU37



Date: 28.MAR.2022 09:02:38

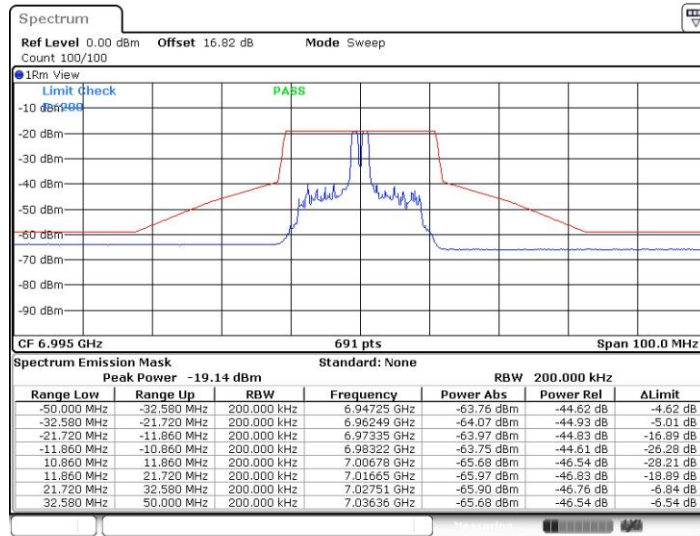
11AX20MIMO_Ant2_6895_106Tone_RU53



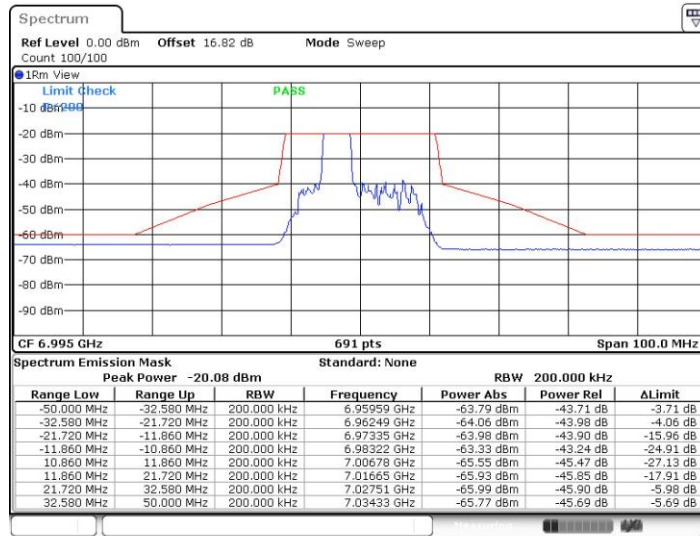
Date: 28.MAR.2022 09:07:50



11AX20MIMO_Ant1_6995_26Tone_RU4

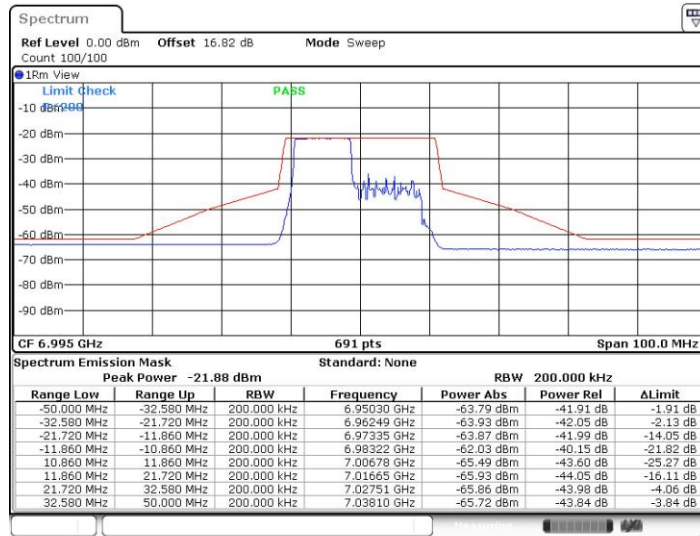


11AX20MIMO_Ant1_6995_52Tone_RU38



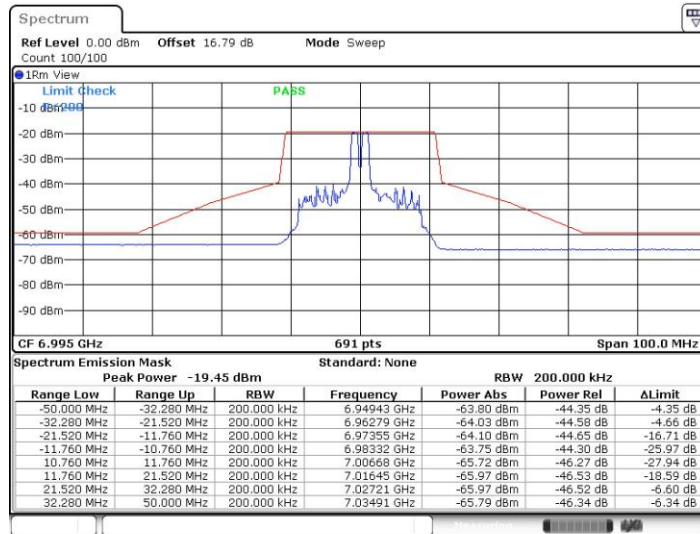


11AX20MIMO_Ant1_6995_106Tone_RU53



Date: 28.MAR.2022 09:27:00

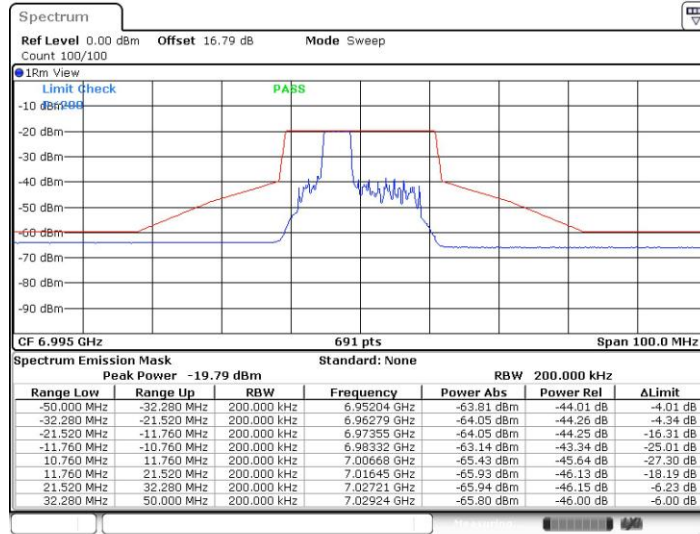
11AX20MIMO_Ant2_6995_26Tone_RU4



Date: 28.MAR.2022 09:15:22

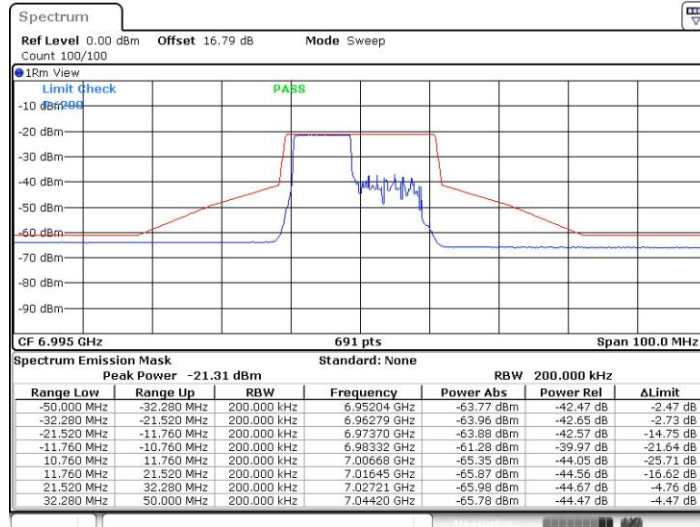


11AX20MIMO_Ant2_6995_52Tone_RU38



Date: 28.MAR.2022 09:22:17

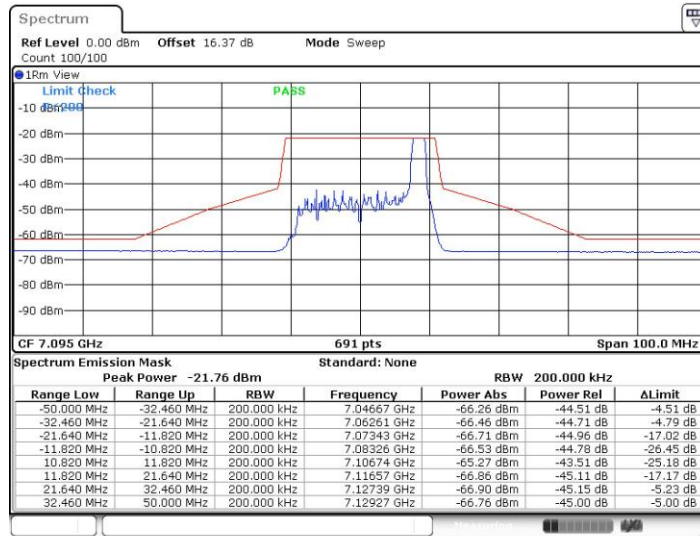
11AX20MIMO_Ant2_6995_106Tone_RU53



Date: 28.MAR.2022 09:27:32

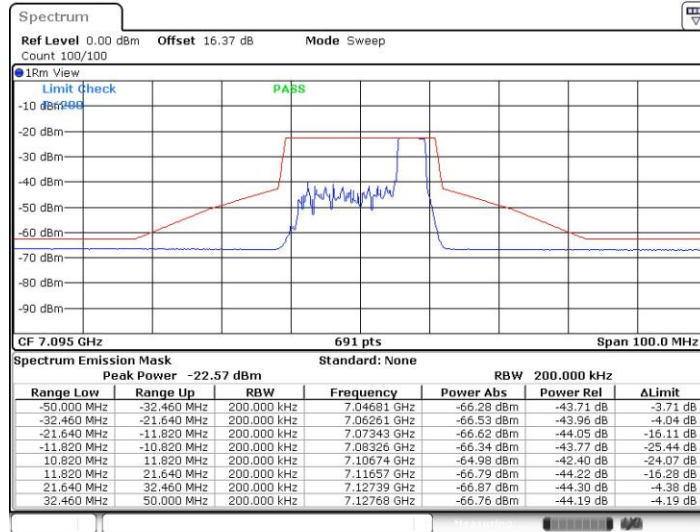


11AX20MIMO_Ant1_7095_26Tone_RU8



Date: 28.MAR.2022 09:35:42

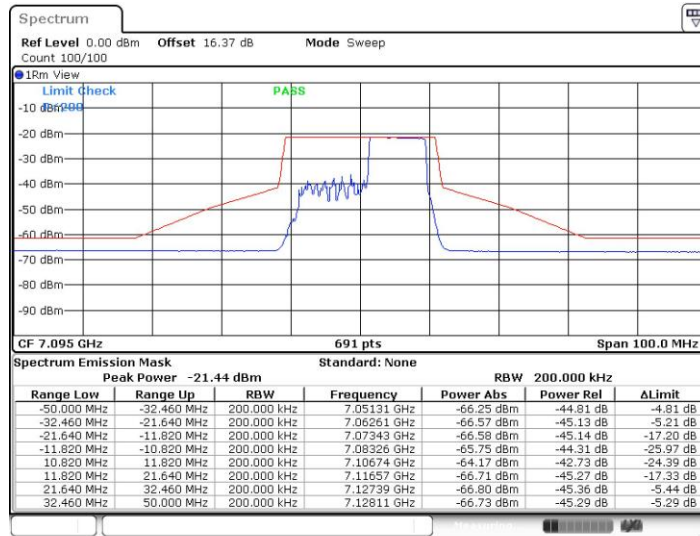
11AX20MIMO_Ant1_7095_52Tone_RU40



Date: 28.MAR.2022 09:41:31

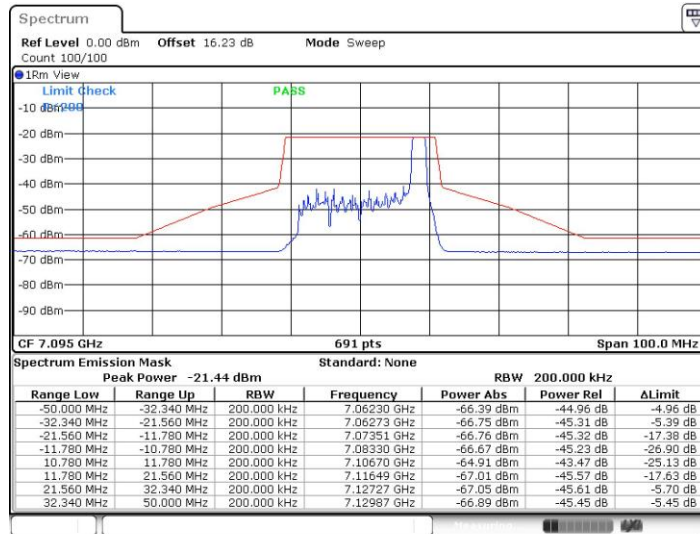


11AX20MIMO_Ant1_7095_106Tone_RU54



Date: 28.MAR.2022 09:45:09

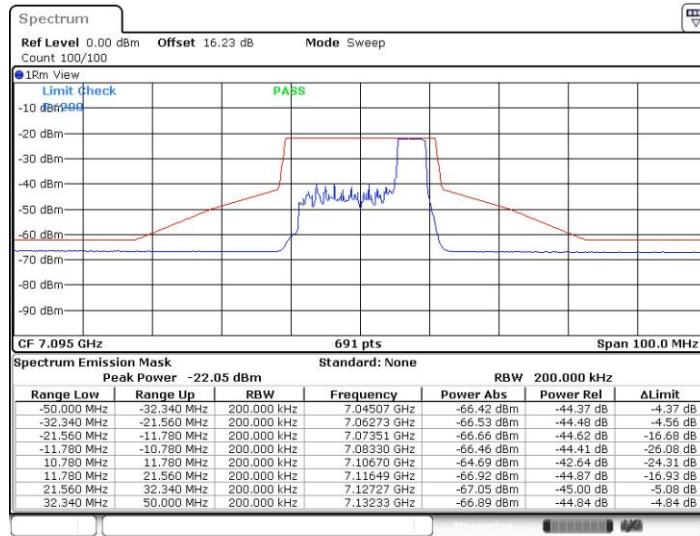
11AX20MIMO_Ant2_7095_26Tone_RU8



Date: 28.MAR.2022 09:36:14

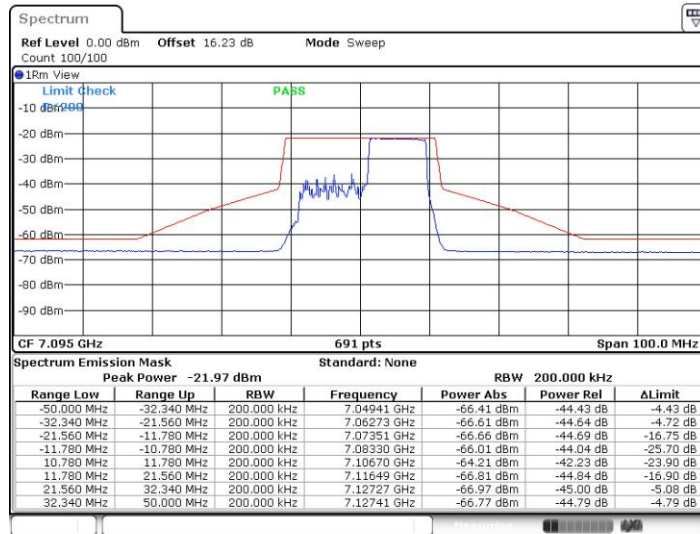


11AX20MIMO_Ant2_7095_52Tone_RU40



Date: 28.MAR.2022 09:42:02

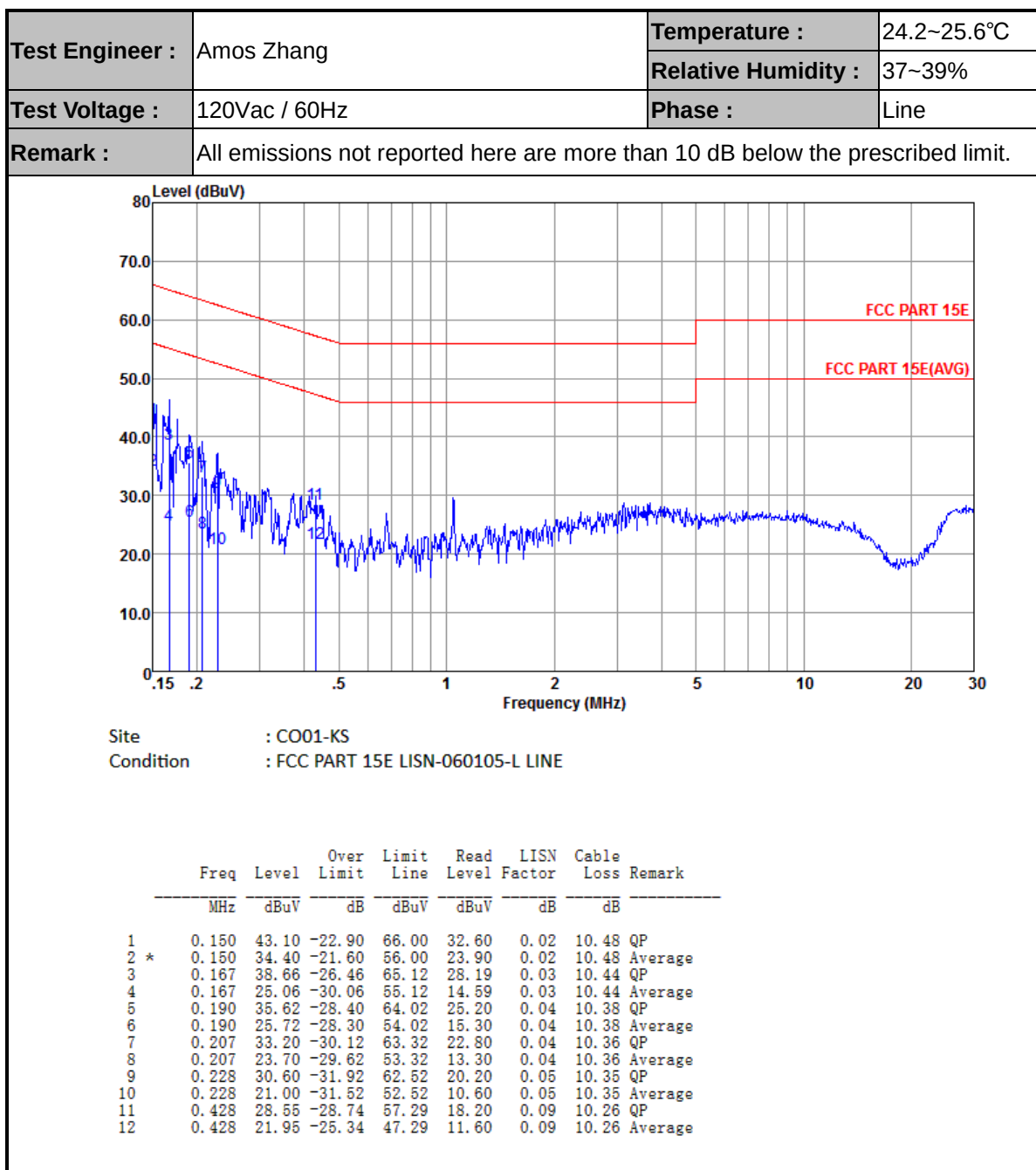
11AX20MIMO_Ant2_7095_106Tone_RU54



Date: 28.MAR.2022 09:45:40

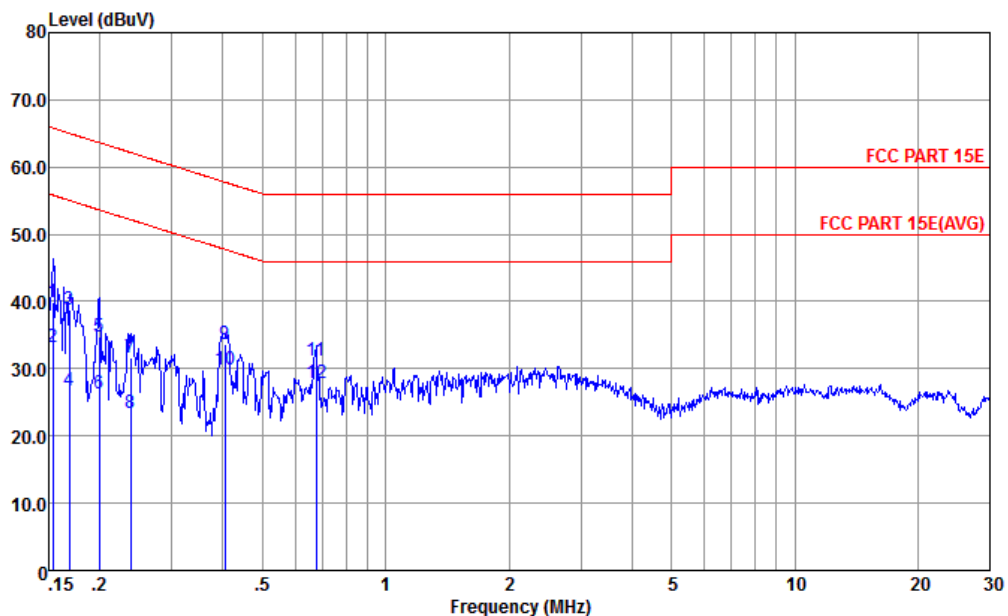


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
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	0.153	39.88	-25.94	65.82	29.30	0.11	10.47	QP
2	0.153	33.18	-22.64	55.82	22.60	0.11	10.47	Average
3	0.169	38.74	-26.29	65.03	28.20	0.11	10.43	QP
4	0.169	26.84	-28.19	55.03	16.30	0.11	10.43	Average
5	0.200	34.67	-28.95	63.62	24.21	0.10	10.36	QP
6	0.200	26.36	-27.26	53.62	15.90	0.10	10.36	Average
7	0.238	31.64	-30.53	62.17	21.20	0.10	10.34	QP
8	0.238	23.34	-28.83	52.17	12.90	0.10	10.34	Average
9	0.404	33.67	-24.10	57.77	23.30	0.11	10.26	QP
10 *	0.404	29.97	-17.80	47.77	19.60	0.11	10.26	Average
11	0.675	31.15	-24.85	56.00	20.80	0.11	10.24	QP
12	0.675	27.95	-18.05	46.00	17.60	0.11	10.24	Average



Appendix C. Radiated Spurious Emission

U-NII 5 - 5925-6425MHzMHz

WIFI 802.11ax HE20 Full (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.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 01 5955MHz		5861.54	56.22	-32.08	88.3	42.48	35.23	10.46	31.95	308	350	P	H
		5904.66	45.64	-22.66	68.3	31.77	35.33	10.51	31.97	308	350	A	H
	*	5950	96.85	---	---	82.93	35.4	10.53	32.01	308	350	P	H
	*	5950	87.61	---	---	73.69	35.4	10.53	32.01	308	350	A	H
		5924.68	56.42	-31.88	88.3	42.52	35.37	10.52	31.99	100	306	P	V
		5898.08	45.6	-22.7	68.3	31.78	35.3	10.49	31.97	100	306	A	V
	*	5959	94.05	---	---	80.11	35.4	10.55	32.01	100	306	P	V
	*	5959	85.04	---	---	71.1	35.4	10.55	32.01	100	306	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full		11910	45.19	-28.81	74	54.25	38.65	17.51	65.22	300	0	P	H
CH 01 5955MHz		11910	45.04	-28.96	74	54.1	38.65	17.51	65.22	100	0	P	V
802.11ax HE20 Full		12352	44.49	-29.51	74	51.57	38.8	15.55	61.43	300	0	P	H
CH 45 6175MHz		12352	47.32	-26.68	74	54.4	38.8	15.55	61.43	100	0	P	V
802.11ax HE20 Full		12830	44.63	-43.67	88.3	52.31	38.87	18.06	64.61	300	0	P	H
CH 93 6415MHz		12830	43.77	-44.53	88.3	51.45	38.87	18.06	64.61	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/0 CH 01 5955MHz		5871.2	56.3	-32	88.3	42.51	35.27	10.47	31.95	311	351	P	H
		5911.52	45.59	-22.71	68.3	31.74	35.33	10.51	31.99	311	351	A	H
		5950	95.48	---	---	81.56	35.4	10.53	32.01	311	351	P	H
		5950	87.56	---	---	73.64	35.4	10.53	32.01	311	351	A	H
		5899.2	55.59	-32.71	88.3	41.77	35.3	10.49	31.97	280	23	P	V
		5903.68	45.6	-22.7	68.3	31.78	35.3	10.49	31.97	280	23	A	V
		5950	92.47	---	---	78.55	35.4	10.53	32.01	280	23	P	V
		5950	84.75	---	---	70.83	35.4	10.53	32.01	280	23	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 01 5955MHz		5924.96	56.06	-32.24	88.3	42.16	35.37	10.52	31.99	311	353	P	H
		5899.76	45.65	-22.65	68.3	31.83	35.3	10.49	31.97	311	353	A	H
		5950	96.11	---	---	82.19	35.4	10.53	32.01	311	353	P	H
		5950	87.67	---	---	73.75	35.4	10.53	32.01	311	353	A	H
		5845.58	55.94	-32.36	88.3	42.23	35.2	10.44	31.93	100	22	P	V
		5903.54	45.62	-22.68	68.3	31.8	35.3	10.49	31.97	100	22	A	V
		5950	92.53	---	---	78.61	35.4	10.53	32.01	100	22	P	V
		5950	83.45	---	---	69.53	35.4	10.53	32.01	100	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 5955MHz		5835.64	55.83	-32.47	88.3	42.2	35.13	10.43	31.93	310	353	P	H
		5910.96	45.53	-22.77	68.3	31.68	35.33	10.51	31.99	310	353	A	H
		5950	96.3	---	---	82.38	35.4	10.53	32.01	310	353	P	H
		5950	88.23	---	---	74.31	35.4	10.53	32.01	310	353	A	H
		5900.04	55.8	-32.5	88.3	41.98	35.3	10.49	31.97	280	22	P	V
		5903.26	45.6	-22.7	68.3	31.78	35.3	10.49	31.97	280	22	A	V
		5950	93.76	---	---	79.84	35.4	10.53	32.01	280	22	P	V
		5950	84.83	---	---	70.91	35.4	10.53	32.01	280	22	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 03 5965MHz		5913.48	56.26	-32.04	88.3	42.41	35.33	10.51	31.99	308	353	P	H
		5923.56	45.82	-22.48	68.3	31.92	35.37	10.52	31.99	308	353	A	H
	*	5968	98.19	---	---	84.27	35.4	10.55	32.03	308	353	P	H
		5968	89.37	---	---	75.45	35.4	10.55	32.03	308	353	A	H
		5919.78	56.14	-32.16	88.3	42.29	35.33	10.51	31.99	311	27	P	V
		5912.5	45.7	-22.6	68.3	31.85	35.33	10.51	31.99	311	27	A	V
	*	5950	95.8	---	---	81.88	35.4	10.53	32.01	311	27	P	V
		5950	86.21	---	---	72.29	35.4	10.53	32.01	311	27	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full		11928	44.74	-29.26	74	53.76	38.66	17.53	65.21	300	0	P	H
CH 03 5965MHz		11928	44.69	-29.31	74	53.71	38.66	17.53	65.21	100	0	P	V
802.11ax HE40 Full		12330	45.88	-28.12	74	54.29	38.76	17.78	64.95	300	0	P	H
CH 43 6165MHz		12330	45.17	-28.83	74	53.58	38.76	17.78	64.95	118	0	P	V
802.11ax HE40 Full		12810	44.24	-44.06	88.3	51.95	38.86	18.05	64.62	300	0	P	H
CH 91 6405MHz		12810	43.68	-44.62	88.3	51.39	38.86	18.05	64.62	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 07 5985MHz		5910.92	56.43	-31.87	88.3	42.58	35.33	10.51	31.99	322	355	P	H
		5912.68	46.11	-22.19	68.3	32.26	35.33	10.51	31.99	322	355	A	H
	*	5986	96.44	---	---	82.53	35.4	10.56	32.05	322	355	P	H
		5986	88.03	---	---	74.12	35.4	10.56	32.05	322	355	A	H
		5865.8	56.69	-31.61	88.3	42.95	35.23	10.46	31.95	305	27	P	V
		5925	45.88	-22.42	68.3	31.98	35.37	10.52	31.99	305	27	A	V
	*	5968	94.37	---	---	80.45	35.4	10.55	32.03	305	27	P	V
		5968	85.54	---	---	71.62	35.4	10.55	32.03	305	27	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		11970	44.58	-29.42	74	53.53	38.68	17.56	65.19	300	0	P	H
CH 07 5985MHz		11970	44.85	-29.15	74	53.8	38.68	17.56	65.19	100	0	P	V
802.11ax HE80 Full		12290	44.57	-29.43	74	53.02	38.76	17.76	64.97	300	0	P	H
CH 39 6145MHz		12290	44.29	-29.71	74	52.74	38.76	17.76	64.97	100	0	P	V
802.11ax HE80 Full		12768	44.14	-44.16	88.3	51.92	38.85	18.02	64.65	300	0	P	H
CH 87 6385MHz		12768	44.43	-43.87	88.3	52.21	38.85	18.02	64.65	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 15 6025MHz		5916.84	60.88	-27.42	88.3	47.03	35.33	10.51	31.99	100	180	P	H
		5912.68	47.87	-20.43	68.3	34.02	35.33	10.51	31.99	100	180	A	H
	*	6049	99.72	---	---	85.79	35.4	10.62	32.09	100	180	P	H
		6049	89.89	---	---	75.96	35.4	10.62	32.09	100	180	A	H
		5917.8	57	-31.3	88.3	43.15	35.33	10.51	31.99	137	151	P	V
		5918.12	46.34	-21.96	68.3	32.49	35.33	10.51	31.99	137	151	A	V
	*	6040	95.21	---	---	81.29	35.4	10.61	32.09	137	151	P	V
		6040	86.21	---	---	72.29	35.4	10.61	32.09	137	151	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		12050	45.4	-28.6	74	54.2	38.71	17.63	65.14	300	0	P	H
CH 15 6025MHz		12050	44.74	-29.26	74	53.54	38.71	17.63	65.14	100	0	P	V
802.11ax HE160 Full		12370	44.27	-29.73	74	52.62	38.77	17.8	64.92	300	0	P	H
CH 47 6185MHz		12370	44.48	-29.52	74	52.83	38.77	17.8	64.92	100	0	P	V
802.11ax HE160 Full		12690	44.13	-29.87	74	52.01	38.84	17.98	64.7	300	0	P	H
CH 79 6345MHz		12690	44.61	-29.39	74	52.49	38.84	17.98	64.7	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 6 - 6425-6525MHzMHz

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full		12870	44.53	-43.77	88.3	52.16	38.87	18.08	64.58	300	0	P	H
CH 97 6435MHz		12870	44.63	-43.67	88.3	52.26	38.87	18.08	64.58	100	0	P	V
802.11ax HE20 Full		12950	43.87	-44.43	88.3	51.37	38.89	18.13	64.52	300	0	P	H
CH 105 6475MHz		12950	45.44	-42.86	88.3	52.94	38.89	18.13	64.52	100	0	P	V
802.11ax HE20 Full		13030	45.55	-42.75	88.3	52.93	38.91	18.18	64.47	300	0	P	H
CH 113 6515MHz		13030	45.27	-43.03	88.3	52.65	38.91	18.18	64.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 6 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 99 6445MHz		12890	43.92	-44.38	88.3	51.52	38.88	18.09	64.57	300	0	P	H
		12890	44.64	-43.66	88.3	52.24	38.88	18.09	64.57	100	0	P	V
802.11ax HE40 Full CH 107 6485MHz		12970	44.77	-43.53	88.3	52.25	38.89	18.14	64.51	300	0	P	H
		12970	43.47	-44.83	88.3	50.95	38.89	18.14	64.51	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**U-NII 6 6425~6525MHz****WIFI 802.11ax HE80 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		12930	45.18	-43.12	88.3	52.71	38.89	18.12	64.54	300	0	P	H
CH 103 6465MHz		12930	44.08	-44.22	88.3	51.61	38.89	18.12	64.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 6 - Straddle Channel

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full		13050	45.13	-43.17	88.3	52.49	38.91	18.2	64.47	300	0	P	H
CH 115 6525MHz		13050	45.06	-43.24	88.3	52.42	38.91	18.2	64.47	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 6 Straddle Channel

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full		13090	45.13	-43.17	88.3	52.43	38.92	18.23	64.45	300	0	P	H
CH 119 6545MHz		13090	46.14	-42.16	88.3	53.44	38.92	18.23	64.45	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 6 Straddle Channel
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13010	44.18	-44.12	88.3	51.62	38.9	18.15	64.49	300	0	P	H
CH 111 6505MHz		13010	44.64	-43.66	88.3	52.08	38.9	18.15	64.49	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 - 6525-6875MHzMHz

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full		13070	45.79	-42.51	88.3	53.13	38.91	18.21	64.46	300	0	P	H
CH 117 6535MHz		13070	47.84	-40.46	88.3	55.18	38.91	18.21	64.46	100	0	P	V
802.11ax HE20 Full		13390	46.79	-27.21	74	53.62	38.98	18.5	64.31	300	0	P	H
CH 149 6695MHz		13390	46.04	-27.96	74	52.87	38.98	18.5	64.31	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 123 6565MHz		13128	45.39	-42.91	88.3	52.65	38.92	18.26	64.44	300	0	P	H
		13128	45.93	-42.37	88.3	53.19	38.92	18.26	64.44	100	0	P	V
802.11ax HE40 Full CH 147 6685MHz		13370	45.84	-28.16	74	52.71	38.97	18.48	64.32	300	0	P	H
		13370	44.73	-29.27	74	51.6	38.97	18.48	64.32	100	0	P	V
802.11ax HE40 Full CH 179 6845MHz		13690	44.74	-43.56	88.3	51.13	39.04	18.75	64.18	300	0	P	H
		13690	44.41	-43.89	88.3	50.8	39.04	18.75	64.18	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full		13250	45.11	-28.89	74	52.16	38.95	18.38	64.38	300	0	P	H
CH 135 6625MHz		13250	46.43	-27.57	74	53.48	38.95	18.38	64.38	100	0	P	V
802.11ax HE80 Full		13410	45.14	-43.16	88.3	51.96	38.98	18.51	64.31	300	0	P	H
CH 151 6705MHz		13410	45.02	-43.28	88.3	51.84	38.98	18.51	64.31	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13328	44.76	-29.24	74	51.71	38.96	18.44	64.35	300	0	P	H
CH 143 6665MHz		13328	45.96	-28.04	74	52.91	38.96	18.44	64.35	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 - Straddle Channel

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full		13750	45	-43.3	88.3	51.29	39.05	18.81	64.15	300	0	P	H
CH 185 6875MHz		13750	43.73	-44.57	88.3	50.02	39.05	18.81	64.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

U-NII 7 Straddle Channel

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE80 Full		13730	44.23	-44.07	88.3	50.54	39.05	18.8	64.16	300	0	P	H
CH 183 6865MHz		13730	43.43	-44.87	88.3	49.74	39.05	18.8	64.16	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 7 Straddle Channel
WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13650	44.19	-44.11	88.3	50.64	39.03	18.72	64.2	300	0	P	H
CH 175 6825MHz		13650	45.01	-43.29	88.3	51.46	39.03	18.72	64.2	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 - 6875-7125MHzMHz

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 229 7095MHz		7223.24	56.93	-31.37	88.3	42.52	35.6	11.66	32.85	302	346	P	H
		7149.64	46.6	-21.7	68.3	32.19	35.6	11.61	32.8	302	346	A	H
	*	7093	95.17	---	---	80.78	35.6	11.56	32.77	302	346	P	H
		7093	87.36	---	---	72.97	35.6	11.56	32.77	302	346	A	H
		7214.6	56.64	-31.66	88.3	42.23	35.6	11.66	32.85	302	73	P	V
		7147.56	46.62	-21.68	68.3	32.21	35.6	11.61	32.8	302	73	A	V
	*	7093	95.24	---	---	80.85	35.6	11.56	32.77	302	73	P	V
		7093	86.68	---	---	72.29	35.6	11.56	32.77	302	73	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full		13790	43.92	-44.38	88.3	50.16	39.06	18.84	64.14	300	0	P	H
CH 189 6895MHz		13790	43.29	-45.01	88.3	49.53	39.06	18.84	64.14	100	0	P	V
802.11ax HE20 Full		13990	44.49	-43.81	88.3	50.42	39.1	19.02	64.05	300	0	P	H
CH 209 6995MHz		13990	44.19	-44.11	88.3	50.12	39.1	19.02	64.05	100	0	P	V
802.11ax HE20 Full		14192	43.98	-44.32	88.3	49.69	39.29	19.11	64.11	300	0	P	H
CH 229 7095MHz		14192	43.51	-44.79	88.3	49.22	39.29	19.11	64.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 26/8 CH 229 7095MHz		7145.96	56.4	-31.9	88.3	41.99	35.6	11.61	32.8	302	343	P	H
		7176.2	46.55	-21.75	68.3	32.15	35.6	11.62	32.82	302	343	A	H
		7102	94.87	---	---	80.47	35.6	11.57	32.77	302	343	P	H
		7102	87.71	---	---	73.31	35.6	11.57	32.77	302	343	A	H
		7225.32	57.01	-31.29	88.3	42.6	35.6	11.66	32.85	254	356	P	V
		7149.32	46.47	-21.83	68.3	32.06	35.6	11.61	32.8	254	356	A	V
		7102	97.54	---	---	83.14	35.6	11.57	32.77	254	356	P	V
		7102	87.13	---	---	72.73	35.6	11.57	32.77	254	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/40 CH 229 7095MHz		7245	57.44	-30.86	88.3	43.04	35.6	11.66	32.86	301	343	P	H
		7174.6	46.54	-21.76	68.3	32.14	35.6	11.62	32.82	301	343	A	H
		7102	94.73	---	---	80.33	35.6	11.57	32.77	301	343	P	H
		7102	87.28	---	---	72.88	35.6	11.57	32.77	301	343	A	H
		7204.84	56.67	-31.63	88.3	42.25	35.6	11.65	32.83	106	356	P	V
		7174.44	46.57	-21.73	68.3	32.17	35.6	11.62	32.82	106	356	A	V
		7102	95.03	---	---	80.63	35.6	11.57	32.77	106	356	P	V
		7102	86.9	---	---	72.5	35.6	11.57	32.77	106	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/54 CH 229 7095MHz		7151.08	56.56	-31.74	88.3	42.15	35.6	11.61	32.8	301	344	P	H
		7149.64	46.55	-21.75	68.3	32.14	35.6	11.61	32.8	301	344	A	H
		7102	96.21	---	---	81.81	35.6	11.57	32.77	301	344	P	H
		7102	86.95	---	---	72.55	35.6	11.57	32.77	301	344	A	H
		7175.72	56.88	-31.42	88.3	42.48	35.6	11.62	32.82	296	68	P	V
		7152.2	46.58	-21.72	68.3	32.17	35.6	11.61	32.8	296	68	A	V
		7102	94.01	---	---	79.61	35.6	11.57	32.77	296	68	P	V
		7102	86.92	---	---	72.52	35.6	11.57	32.77	296	68	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 227 7085MHz		7191.36	56.9	-31.4	88.3	42.49	35.6	11.64	32.83	300	345	P	H
		7147.98	46.7	-21.6	68.3	32.29	35.6	11.61	32.8	300	345	A	H
	*	7093	95.92	---	---	81.53	35.6	11.56	32.77	300	345	P	H
		7093	88.07	---	---	73.68	35.6	11.56	32.77	300	345	A	H
		7233.66	56.48	-31.82	88.3	42.07	35.6	11.66	32.85	232	356	P	V
		7149.06	46.69	-21.61	68.3	32.28	35.6	11.61	32.8	232	356	A	V
	*	7075	97.11	---	---	82.73	35.6	11.54	32.76	232	356	P	V
		7075	88.97	---	---	74.59	35.6	11.54	32.76	232	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full		13930	44	-44.3	88.3	50	39.09	18.98	64.07	300	0	P	H
CH 203 6965MHz		13930	43.76	-44.54	88.3	49.76	39.09	18.98	64.07	100	0	P	V
802.11ax HE40 Full		14170	44.12	-44.18	88.3	49.85	39.27	19.11	64.11	300	0	P	H
CH 227 7085MHz		14170	44.36	-43.94	88.3	50.09	39.27	19.11	64.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 215 7025MHz		7129.64	56.12	-32.18	88.3	41.71	35.6	11.6	32.79	307	346	P	H
		7143.08	46.83	-21.47	68.3	32.43	35.6	11.6	32.8	307	346	A	H
	*	6994	98.92	---	---	84.54	35.6	11.49	32.71	307	346	P	H
		6994	89.41	---	---	75.03	35.6	11.49	32.71	307	346	A	H
		7128.2	55.97	-32.33	88.3	41.58	35.6	11.58	32.79	264	358	P	V
		7142.6	46.82	-21.48	68.3	32.42	35.6	11.6	32.8	264	358	A	V
	*	7030	98.53	---	---	84.14	35.6	11.52	32.73	264	358	P	V
		7030	89.53	---	---	75.14	35.6	11.52	32.73	264	358	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 199 6945MHz		13890	44.22	-44.08	88.3	50.3	39.08	18.93	64.09	300	0	P	H
		13890	43.31	-44.99	88.3	49.39	39.08	18.93	64.09	100	0	P	V
802.11ax HE80 Full CH 215 7025MHz		14050	43.68	-44.62	88.3	49.53	39.15	19.06	64.06	300	0	P	H
		14050	43.44	-44.86	88.3	49.29	39.15	19.06	64.06	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 207 6985MHz		7185.64	57.08	-31.22	88.3	38.54	35.9	15.47	32.83	100	170	P	H
		7139.88	48.29	-20.01	68.3	29.71	35.9	15.48	32.8	100	170	A	H
	*	6922	99.01	---	---	80.34	35.88	15.47	32.68	100	170	P	H
		6922	88.2	---	---	69.53	35.88	15.47	32.68	100	170	A	H
		7205.48	56.58	-31.72	88.3	38.04	35.9	15.47	32.83	163	175	P	V
		7130.28	47.01	-21.29	68.3	28.42	35.9	15.48	32.79	163	175	A	V
	*	6994	98.25	---	---	79.56	35.9	15.5	32.71	163	175	P	V
		6994	88.5	---	---	69.81	35.9	15.5	32.71	163	175	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**U-NII 8 6875~7125MHz****WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13970	43.21	-45.09	88.3	49.17	39.09	19.01	64.06	300	0	P	H
CH 207 6985MHz		13970	43.88	-44.42	88.3	49.84	39.09	19.01	64.06	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 - Straddle Channel

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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full		13770	44	-44.3	88.3	50.27	39.05	18.83	64.15	100	360	P	H
CH 187 6885MHz		13770	43.54	-44.76	88.3	49.81	39.05	18.83	64.15	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 HE160 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE160 Full LF		30	23.72	-16.28	40	29.22	25.15	0.58	31.23	-	-	P	H
		117.3	23.3	-20.2	43.5	36.09	17.12	1.76	31.67	-	-	P	H
		164.83	29.27	-14.23	43.5	42.27	16.26	2.07	31.33	-	-	P	H
		288.99	30.16	-15.84	46	39.93	19.06	2.75	31.58	-	-	P	H
		689.6	35.19	-10.81	46	36.98	25.13	4.27	31.19	-	-	P	H
		843.83	38.48	-7.52	46	38.44	26.62	4.73	31.31	-	-	P	H
		30	33.06	-6.94	40	38.21	25.5	0.58	31.23	-	-	P	V
		61.04	26.41	-13.59	40	43.69	13.38	1.04	31.7	-	-	P	V
		170.65	24.85	-18.65	43.5	37.06	17.01	2.11	31.33	-	-	P	V
		512.09	32.88	-13.12	46	35.78	24.83	3.67	31.4	-	-	P	V
		582.9	35.42	-10.58	46	37.25	25.64	3.93	31.4	-	-	P	V
		843.83	32.71	-13.29	46	32.13	27.16	4.73	31.31	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<Co-location Mode>

BLE(2M)_Ch39 + WIFI 6G 802.11ax HE160 Full _CH207 + nRF_CH38

2.4GHz 2400~2483.5MHz

BLE(2M) (Band Edge @ 3m)

BLE(2M) Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE(2M) CH 39 2480MHz		2490.1	55.51	-18.49	74	49.2	32.2	6.75	32.64	135	353	P	H
		2483.5	47.61	-6.39	54	41.32	32.2	6.73	32.64	135	353	A	H
	*	2480	99.24	---	---	92.95	32.2	6.73	32.64	135	353	P	H
	*	2480	97.64	---	---	91.35	32.2	6.73	32.64	135	353	A	H
		2495.68	55.83	-18.17	74	49.45	32.2	6.75	32.57	100	131	P	V
		2483.5	48.93	-5.07	54	42.64	32.2	6.73	32.64	100	131	A	V
	*	2480	101.08	---	---	94.79	32.2	6.73	32.64	100	131	P	V
	*	2480	98.94	---	---	92.65	32.2	6.73	32.64	100	131	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(2M) (Harmonic @ 3m)

BLE(2M) Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BLE(2M) CH 39 2480MHz		4960	40.36	-33.64	74	54.29	34.53	13.25	61.71	300	0	P	H
		7440	43.25	-30.75	74	53.99	35.9	15.43	62.07	300	0	P	H
		4960	40.19	-33.81	74	54.12	34.53	13.25	61.71	100	0	P	V
		7440	42.76	-31.24	74	53.5	35.9	15.43	62.07	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 207 6985MHz		7141.8	57.6	-30.7	88.3	43.2	35.6	11.6	32.8	100	189	P	H
		7130.92	46.69	-21.61	68.3	32.28	35.6	11.6	32.79	100	189	A	H
	*	6922	97.45	---	---	83.12	35.6	11.41	32.68	100	189	P	H
	*	6958	87.59	---	---	73.25	35.6	11.44	32.7	100	189	A	H
		7178.6	56.97	-31.33	88.3	42.57	35.6	11.62	32.82	121	180	P	V
		7134.76	46.76	-21.54	68.3	32.36	35.6	11.6	32.8	121	180	A	V
	*	6976	98.59	---	---	84.22	35.6	11.47	32.7	121	180	P	V
	*	6958	88.75	---	---	74.41	35.6	11.44	32.7	121	180	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**U-NII 8 6875~7125MHz****WIFI 802.11ax HE160 Full (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13968	44.22	-44.08	88.3	50.59	38.8	16.5	61.67	300	0	P	H
CH 207 6985MHz		13968	44.98	-43.32	88.3	51.35	38.8	16.5	61.67	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

nRF (Band Edge @ 3m)

nRF Ant. 3	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)
nRF CH 38 2478MHz		2484.52	56.86	-17.14	74	50.57	32.2	6.73	32.64	400	91	P	H
		2483.5	49.48	-4.52	54	43.19	32.2	6.73	32.64	400	91	A	H
	*	2478	98.17	---	---	91.88	32.2	6.73	32.64	400	91	P	H
	*	2478	95.31	---	---	89.02	32.2	6.73	32.64	400	91	A	H
		2485.72	57.05	-16.95	74	50.76	32.2	6.73	32.64	320	6	P	V
		2486.44	48.08	-5.92	54	41.79	32.2	6.73	32.64	320	6	A	V
	*	2478	99.24	---	---	92.95	32.2	6.73	32.64	320	6	P	V
	*	2478	98.52	---	---	92.23	32.2	6.73	32.64	320	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****nRF (Harmonic @ 3m)**

nRF Ant. 3	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)
nRF CH 38 2478MHz		4956	45.66	-28.34	74	59.59	34.53	13.25	61.71	300	0	P	H
		7434	43.25	-30.75	74	53.98	35.9	15.44	62.07	300	0	P	H
		4956	43.29	-30.71	74	57.22	34.53	13.25	61.71	100	0	P	V
		7434	42.76	-31.24	74	53.49	35.9	15.44	62.07	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 2.4G 802.11 ax HE20 Full_CH11 + WIFI 6G 802.11ax HE160 Full_CH207 + nRF_CH38

2.4GHz 2400~2483.5MHz

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

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 11 2462MHz		2483.74	61.55	-12.45	74	55.26	32.2	6.73	32.64	118	0	P	H
		2483.5	48.27	-5.73	54	41.98	32.2	6.73	32.64	118	0	A	H
	*	2454	107.18	---	---	100.99	32.2	6.7	32.71	118	0	P	H
	*	2458	97.79	---	---	91.6	32.2	6.7	32.71	118	0	A	H
		2483.56	61.39	-12.61	74	55.1	32.2	6.73	32.64	124	130	P	V
		2483.5	47.48	-6.52	54	41.19	32.2	6.73	32.64	124	130	A	V
	*	2468	106.51	---	---	100.25	32.2	6.7	32.64	124	130	P	V
	*	2464	96.99	---	---	90.8	32.2	6.7	32.71	124	130	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 Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax		4924	40.54	-33.46	74	54.52	34.56	13.2	61.74	300	0	P	H
HE20 Full		7386	41.83	-32.17	74	52.56	35.9	15.44	62.07	300	0	P	H
CH 11		4924	39.21	-34.79	74	53.19	34.56	13.2	61.74	100	0	P	V
2462MHz		7386	43.26	-30.74	74	53.99	35.9	15.44	62.07	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 207 6985MHz		7129	57.34	-30.96	88.3	42.93	35.6	11.6	32.79	100	191	P	H
		7128.36	46.77	-21.53	68.3	32.38	35.6	11.58	32.79	100	191	A	H
	*	7012	97.77	---	---	83.4	35.6	11.5	32.73	100	191	P	H
		7003	87.5	---	---	73.12	35.6	11.49	32.71	100	191	A	H
		7161	57.63	-30.67	88.3	43.24	35.6	11.61	32.82	120	178	P	V
		7130.92	46.9	-21.4	68.3	32.49	35.6	11.6	32.79	120	178	A	V
	*	6922	97.44	---	---	83.11	35.6	11.41	32.68	120	178	P	V
		6967	88.59	---	---	74.23	35.6	11.46	32.7	120	178	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII 8 6875~7125MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full		13968	44.73	-43.57	88.3	51.1	38.8	16.5	61.67	300	0	P	H
CH 207 6985MHz		13968	44.7	-43.6	88.3	51.07	38.8	16.5	61.67	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

nRF (Band Edge @ 3m)

nRF Ant. 3	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)
nRF CH 38 2478MHz		2483.56	57.01	-16.99	74	50.72	32.2	6.73	32.64	373	111	P	H
		2484.16	48.27	-5.73	54	41.98	32.2	6.73	32.64	373	111	A	H
	*	2478	93.5	---	---	87.21	32.2	6.73	32.64	373	111	P	H
	*	2478	92.92	---	---	86.63	32.2	6.73	32.64	373	111	A	H
		2485.6	55.75	-18.25	74	49.46	32.2	6.73	32.64	319	11	P	V
		2484.04	47.94	-6.06	54	41.65	32.2	6.73	32.64	319	11	A	V
	*	2478	97.69	---	---	91.4	32.2	6.73	32.64	319	11	P	V
	*	2478	97.11	---	---	90.82	32.2	6.73	32.64	319	11	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**2.4GHz 2400~2483.5MHz****nRF (Harmonic @ 3m)**

nRF Ant. 3	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)
nRF CH 38 2478MHz		4956	39.82	-34.18	74	53.75	34.53	13.25	61.71	300	0	P	H
		7434	42.9	-31.1	74	53.63	35.9	15.44	62.07	300	0	P	H
		4956	39.52	-34.48	74	53.45	34.53	13.25	61.71	100	0	P	V
		7434	42.91	-31.09	74	53.64	35.9	15.44	62.07	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	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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission

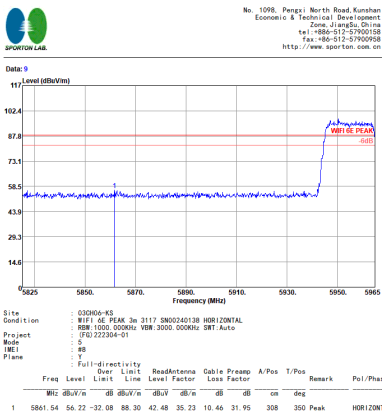
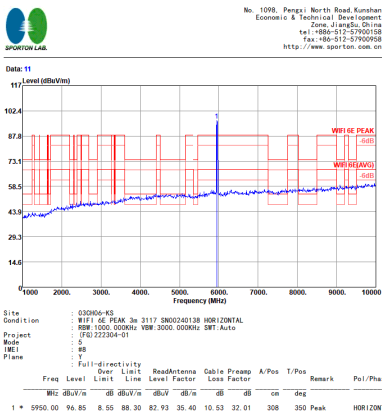
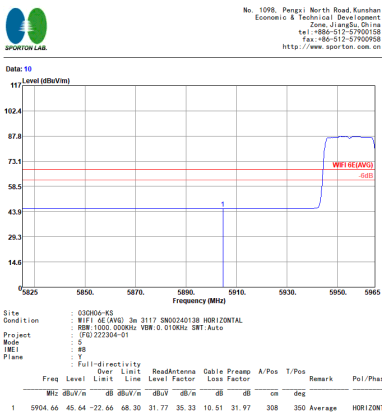
Note symbol

-L	Low channel location
-R	High channel location

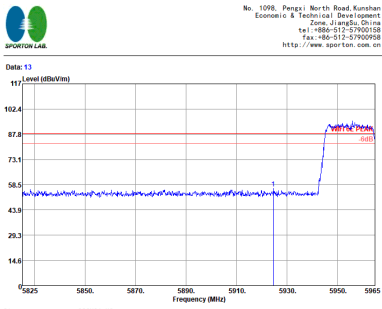
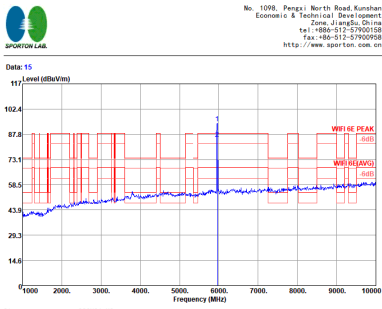
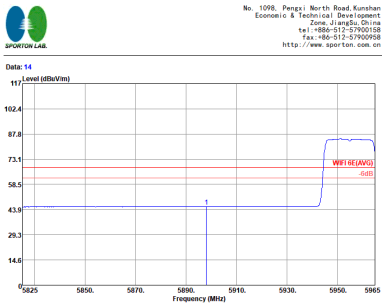


U-NII 5 - 5925-6425MHzMHz

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

WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 030904-K3 Condition : WIFI AE PEAK 3m 3117 580240138 HORIZONTAL Project : RSM 1000 000KHU YSR 3000 000KHU SRT Auto Bode : (F0)222304-01 MEI : S Plane : H Full-directivity : T Over Limit : ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : 1 5861.54 56.72 -32.08 88.30 42.48 35.23 10.46 31.95 308 350 Peak HORIZONTAL	 Site : 030904-K3 Condition : WIFI AE PEAK 3m 3117 580240138 HORIZONTAL Project : RSM 1000 000KHU YSR 3000 000KHU SRT Auto Bode : (F0)222304-01 MEI : S Plane : H Full-directivity : T Over Limit : ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : 1 5950.00 74.85 8.55 88.30 82.93 35.40 10.53 32.01 308 350 Peak HORIZONTAL
Avg.	 Site : 030904-K3 Condition : WIFI AE (AVG) 3m 3117 580240138 HORIZONTAL Project : RSM 1000 000KHU YSR 3000 000KHU SRT Auto Bode : (F0)222304-01 MEI : S Plane : H Full-directivity : T Over Limit : ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : 1 5904.66 45.64 -22.66 66.30 31.77 35.33 10.51 31.97 308 350 Average HORIZONTAL	Left blank



WIFI	U-NII 5 - 5925-6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
1+2	Vertical	Fundamental
Peak	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032404-KS Condition : WIFI 6E PEAK 3m 3117 5900240138 VERTICAL Project : R8W 1000 000KHz V8W 3000 000KHz SRT Auto FID 222304-01 Rada : S MEI : 88 Plane : Y Full-directivity Freq Level Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/Vm dB dBm/Vm dBm dBm dBm cm deg 1 5924.68 56.42 -31.88 88.30 42.52 35.37 10.52 31.99 100 306 Peak VERTICAL	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032404-KS Condition : WIFI 6E PEAK 3m 3117 5900240138 VERTICAL Project : R8W 1000 000KHz V8W 3000 000KHz SRT Auto FID 222304-01 Rada : S MEI : 88 Plane : Y Full-directivity Freq Level Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/Vm dB dBm/Vm dBm dBm dBm cm deg 1 5959.00 84.05 5.75 88.30 80.11 35.40 10.55 32.01 100 306 Peak VERTICAL 2 5959.00 85.04 16.74 68.30 71.10 35.40 10.55 32.01 100 306 Average VERTICAL
Avg.	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032404-KS Condition : WIFI 6E (AVG) 3m 3117 5900240138 VERTICAL Project : R8W 1000 000KHz V8W 3000 000KHz SRT Auto FID 222304-01 Rada : S MEI : 88 Plane : Y Full-directivity Freq Level Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/Vm dB dBm/Vm dBm dBm dBm cm deg 1 5959.08 45.60 -22.70 68.30 31.78 35.30 10.49 31.97 100 306 Average VERTICAL	Left blank