								5530	MHZ								
			Hor	izonta	ıl							Ve	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5450.711	57.52	-5.27	52.25	54.00	-1.75	115	298	Average	5450.881	55.29	-5.27	50.02	54.00	-3.98	104	183	Average
5450.711	70.75	-5.27	65.48	74.00	-8.52		298	Peak	5450.881	68.44	-5.27	63.17		-10.83	104	183	Peak
5530.000	95.28	-5.01	90.27			115	298	Average	5530.000	94.32	-5.01	89.31			104	183	Average
5530.000	104.44	-5.01	99.43			115	298	Peak	5530.000	102.89	-5.01	97.88			104	183	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11060.000	29.40	6.69	36.09	54.00	-17.91	155	267	Average	11060.000	29.44	6.69	36.13	54.00	-17.87	155	276	Average
	40.59	6.69	47.28	74.00	-26.72	155	267	Peak	11060.000		6.69	47.20	74.00	-26.80	155	276	Peak
11060.000				68.20	-14.89	156		Peak	16590.000		11.74	53.21	68.20	-14.99	152	197	Peak
	41.57	11.74	53.31	00.20	-14.09			5610	MHz								
		11.74						5610	MHz			Vo	rtical				
		11.74		izonta				5610	MHz			Ve	rtical				
16590.000					nl			5610		Reading	Factor	Ve Level	rtical	Margin	Height		Remark
16590.000	41.57		Hor	izonta	nl	Heigh	t Degree				Factor dB/m			Margin dB	Height (cm)	Degree (°)	Remark
Freq. MHz 5444.504	41.57 Reading dBuV 44.76	Factor dB/m -5.27	Hor Level dBuV/m 39.49	Limit dBuV/m 54.00	Margir dE -14.51	Heigh (cm)	(°)	e Remark	Freq. MHz 5442.603	dBuV 44.16	dB/m -5.26	Level dBuV/m 38.90	Limit dBuV/m 54.00	dB -15.10	(cm)	(°)	Average
Freq. MHz 5444.504	Reading dBuV 44.76 59.57	Factor dB/m -5.27 -5.27	Hor Level dBuV/m 39.49 54.30	Limit	Margir dE -14.51	Heigh (cm)	(°) 296 296	e Remark	Freq. MHz 5442.603 5442.603	dBuV 44.16 57.91	dB/m -5.26 -5.26	Level dBuV/m 38.90 52.65	Limit dBuV/m	dB -15.10	(cm) 100 100	(°)	Average Peak
Freq. MHz 5444.504 5416.000	Reading dBuV 44.76 59.57 95.06	Factor dB/m -5.27 -5.27 -5.19	Hor Level dBuV/m 39.49 54.30 89.87	Limit dBuV/m 54.00	Margir dE -14.51	Heigh (cm) 101 101 101	(°) 296 296 296	e Remark Average Peak Average	Freq. MHz 5442.603 5442.603 5610.000	dBuV 44.16 57.91 94.52	dB/m -5.26 -5.26 -5.11	dBuV/m 38.90 52.65 89.41	Limit dBuV/m 54.00	dB -15.10	(cm) 100 100 100	(°) 183 183 183	Average Peak Average
Freq. MHz 5444.504 5610.000	Reading dBuV 44.76 59.57 95.06 105.01	Factor dB/m -5.27 -5.27 -5.19 -5.19	Hor Level dBuV/m 39.49 54.30 89.87 99.82	Limit dBuV/m 54.00 74.00	Margir de -14.51 -19.76	Heigh (cm) 101 101 101 101	(°) 296 296 296 296	e Remark Average Peak Average Peak	Freq. MHz 5442.603 5442.603 5610.000 5610.000	dBuV 44.16 57.91 94.52 103.89	dB/m -5.26 -5.26 -5.11 -5.19	Level dBuV/m 38.90 52.65 89.41 98.70	Limit dBuV/m 54.00 74.00	dB -15.10 -21.35	(cm) 100 100 100 100	(°) 183 183 183 183	Average Peak Average Peak
MHz 5444.504 5444.504 5610.000	Reading dBuV 44.76 59.57 95.06	Factor dB/m -5.27 -5.27 -5.19	Hor Level dBuV/m 39.49 54.30 89.87	Limit dBuV/m 54.00 74.00	Margir dE -14.51	Heigh (cm) 101 101 101 101	(°) 296 296 296	e Remark Average Peak Average Peak	Freq. MHz 5442.603 5442.603 5610.000	dBuV 44.16 57.91 94.52 103.89	dB/m -5.26 -5.26 -5.11	dBuV/m 38.90 52.65 89.41	Limit dBuV/m 54.00 74.00	dB -15.10	(cm) 100 100 100	(°) 183 183 183	Average Peak Average
Freq. MHz 5444.504 5444.504 5610.000 5610.000 5725.000	Reading dBuV 44.76 59.57 95.06 105.01	Factor dB/m -5.27 -5.27 -5.19 -5.19	Hor Level dBuV/m 39.49 54.30 89.87 99.82	Limit dBuV/m 54.00 74.00	Margir dE -14.51 -19.76	Heigh (cm) 101 101 101 101	(°) 296 296 296 296	e Remark Average Peak Average Peak	Freq. MHz 5442.603 5442.603 5610.000 5610.000 5725.000	dBuV 44.16 57.91 94.52 103.89	dB/m -5.26 -5.26 -5.11 -5.19	Level dBuV/m 38.90 52.65 89.41 98.70	Limit dBuV/m 54.00 74.00	dB -15.10 -21.35 -19.80	(cm) 100 100 100 100 100	(°) 183 183 183 183 183	Average Peak Average Peak Peak
Freq. MHz 5444.504 5444.504 5610.000 5610.000 5725.000	Reading dBuV 44.76 59.57 95.06 105.01 56.58	Factor dB/m -5.27 -5.19 -5.19 -5.49	Hor Level dBuV/m 39.49 54.30 89.87 99.82 51.09	Limit dBuV/m 54.00 74.00	Margir dE -14.51 -19.76	Height (cm) 101 101 101 101 Height	(°) 296 296 296 296	e Remark Average Peak Average Peak Peak	Freq. MHz 5442.603 5442.603 5610.000 5610.000 5725.000	dBuV 44.16 57.91 94.52 103.89 53.89	dB/m -5.26 -5.26 -5.11 -5.19 -5.49	dBuV/m 38.90 52.65 89.41 98.70 48.40	Limit dBuV/m 54.00 74.00 68.20	dB -15.10 -21.35 -19.80	(cm) 100 100 100 100 100	(°) 183 183 183 183 183	Average Peak Average Peak Peak
Freq. MHz 5444.594 5610.000 5725.000 Freq.	Reading dBuV 44.76 795.06 105.01 56.58 Reading	Factor -5.27 -5.27 -5.19 -5.19 -5.49 Factor dB/m	Hor Level 39.49 54.30 89.87 99.82 51.09 Level	Limit dBuV/m 54.00 74.00 68.20 Limit dBuV/m	Margin dE -14.51 -19.76 -17.11 Margin dB	Height (cm) 101 101 101 101 101 101 Height (cm)	(°) 296 296 296 296 296 296 (°)	e Remark Average Peak Average Peak Peak Remark	Freq. MHz 5442.603 5442.603 5610.000 5610.000 5725.000 Freq.	dBuV 44.16 57.91 94.52 103.89 53.89	dB/m -5.26 -5.26 -5.11 -5.19 -5.49	dBuV/m 38.90 52.65 89.41 98.70 48.40 Level	Limit dBuV/m 54.00 74.00 68.20 Limit	dB -15.10 -21.35 -19.80 Margin	(cm) 100 100 100 100 100 Height	(°) 183 183 183 183 183	Average Peak Average Peak
Freq. Freq. MHz 5444.504 5610.000 5610.000 5725.000 Freq.	Reading dBuV 44.76 59.57 95.06 105.01 56.58 Reading	Factor dB/m -5.27 -5.27 -5.19 -5.19 -5.49	Hor Level dBuV/m 39.49 54.30 89.87 99.82 51.09	Limit dBuV/m 54.00 74.00 68.20	Margir dE -14.51 -19.76 -17.11 Margin	Height (cm) 101 101 101 101 Height	(°) 296 296 296 296 296	e Remark Average Peak Average Peak Peak	Freq. MHz 5442.603 5442.603 5610.000 5610.000 5725.000 Freq. MHz	dBuV 44.16 57.91 94.52 103.89 53.89 Reading dBuV	dB/m -5.26 -5.26 -5.11 -5.19 -5.49 Factor dB/m	Level dBuV/m 38.90 52.65 89.41 98.70 48.40 Level dBuV/m	Dimit dBuV/m 54.00 74.00 68.20 Limit dBuV/m	dB -15.10 -21.35 -19.80 Margin dB -17.42	(cm) 100 100 100 100 100 Height	(°) 183 183 183 183 183 2 Degree (°)	Average Peak Average Peak Peak

No.: RXZ230630065RF03

Level = Reading + Factor.

Margin = Level-Limit.

 $Factor = Antenna \ Factor + Cable \ Loss - Amplifier \ Gain.$

5725-5850MHz

802.11a Mode:

								574	5 MHz								
			Hor	izonta	ıl							Ve	rtical				
Fred	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz				dBuV/m	dB				MHz					dB			
	dBuV	dB/m	dBuV/m	abuv/m	db	(cm)	(°)		MHZ	dBuV	dB/m	dBuV/m	dBuV/m	dВ	(cm)	(°)	
5615.766		-5.20	51.04 57.70	68.20	-17.16	108 108	348	Peak	5647.838 5699.729	56.62 60.64	-5.25	51.37	68.20 105.00	-16.83	122 122	124 124	Peak Peak
5700.090 5714.504		-5.54 -5.52	64.46	105.23 109.26	-47.53 -44.80	108	348 348	Peak Peak	5718.829	67.63	-5.54 -5.50	55.10 62.13	110.47	-49.90 -48.34	122	124	Peak
5745.000	112.37	-5.46	106.91	122.20	-15.29	108	348	Peak	5745.000	109.03	-5.46	103.57	122.20	-18.63	122	124	Peak
5864.054 5893.604	56.01	-5.16	50.85	108.26	-57.41	108	348	Peak	5861.892 5921.712	56.47 55.71	-5.17 -4.73	51.30 50.98	108.87	-57.57	122	124	Peak
5953.784	56.99 56.16	-4.93 -4.52	52.06 51.64	91.40 68.20	-39.34 -16.56	108 108	348 348	Peak Peak	5930.360	56.24	-4.73	51.56	70.62 68.20	-19.64 -16.64	122 122	124 124	Peak Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11490.000		6.92	36.88	54.00	-17.12	154		Average	11490.000	29.45	6.92	36.37	54.00	-17.63	149	189	Average
11490.000		6.92	47.02	74.00	-26.98	154		Peak	11490.000		6.92	48.12	74.00	-25.88	149	189	Peak
17235.000	39.89	11.87	51.76	68.20	-16.44	150	287	Peak	17235.000	40.63	11.87	52.50	68.20	-15.70	152	359	Peak
								578									
			Hor	izonta	ıl			270.				Ve	rtical				
	Reading		Level	Limit				Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5626.216	56.16	-5.21	50.95	68.20	-17.25	106	346	Peak	5622.252	55.54	-5.20	50.34	68.20	-17.86	104	157	Peak
5675.585	56.78	-5.40 -5.52	51.38	87.17	-35.79	106 106	346 346	Peak	5699.729	56.31	-5.54	50.77	105.00	-54.23	104		Peak
5715.585 5785.000	56.73 111.21	-5.38	51.21 105.83	109.57 122.20	-58.36 -16.37	106	346	Peak Peak	5717.027 5785.000	57.13 110.17	-5.51 -5.38	51.62 104.79	109.97 122.20	-58.35 -17.41	104 104		Peak Peak
5859.369	57.25	-5.20	52.05	109.58	-57.53	106	346	Peak	5861.171	56.71	-5.18	51.53	109.07	-57.54	104		Peak
5913.423	56.74	-4.79	51.95	76.74	-24.79	106	346	Peak	5892.162	56.39	-4.94	51.45		-41.01	104		Peak
5939.009	56.06	-4.62	51.44	68.20	-16.76	106	346	Peak	5948.378	56.25	-4.54	51.71	68.20	-16.49	104	157	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11570.000	30.49	6.91	37.40	54.00	-16.60	153	13	Average	11570.000	29.18	6.91	36.09	54.00	-17.91	154	44	Average
11570.000		6.91	47.45	74.00	-26.55	153	13	Peak	11570.000		6.91	49.62	74.00	-24.38	154	44	Peak
17355.000	41.36	12.12	53.48	68.20	-14.72	146	134	Peak	17355.000	40.31	12.12	52.43	68.20	-15.77	152	59	Peak
								582	5 MHz								
			Hor	izonta	ıl							Ve	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5638.468	55.76	-5.24	50.52	68.20	-17.68	103	346	Peak	5613.243	55.69	-5.20	50.49	68.20	-17.71	101	160	Peak
5669.459		-5.36	50.57	82.64	-32.07	103	346	Peak	5668.018	56.17	-5.36	50.81	81.57	-30.76	101	160	Peak
5703.694 5825.000		-5.53 -5.31	50.24 106.10	106.24 122.20	-56.00 -16.10	103 103	346 346	Peak Peak	5704.775 5825.000	55.81 109.80	-5.53 -5.31	50.28 104.49	106.54 122.20	-56.26 -17.71	101 101	160 160	Peak Peak
5855.766		-5.22	54.55		-56.04	103		Peak	5855.405		-5.23	56.54		-54.15	101	160	Peak
5876.667		-5.07	52.03		-51.93	103		Peak	5883.514		-5.00	51.26		-47.62	101	160	Peak
5955.585	56.21	-4.52	51.69	68.20	-16.51	103	346	Peak	5959.910	56.56	-4.51	52.05	68.20	-16.15	101	160	Peak
_	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
Freq.	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
Freq. MHz	abuv																
MHz		7 04	37 60	54 00	-16 40	147	1.0	Average	11650 000	29 54	7 04	36 59	54 00	-17 /2	152	177	Avenago
	30.56	7.04 7.04	37.60 47.69		-16.40 -26.31	147 147		Average Peak	11650.000 11650.000			36.58 48.83		-17.42 -25.17			Average Peak

No.: RXZ230630065RF03

Level = Reading + Factor.

Margin = Level - Limit.

 $Factor = Antenna \; Factor + Cable \; Loss - Amplifier \; Gain.$

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) Page 42 of 121

802.11ac VHT20 Mode:

								5745	MHz								
			Hor	izonta	1							Ve	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
															. ,		
5626.577 5700.090	55.78 60.92	-5.21 -5.54	50.57 55.38	68.20 105.23	-17.63 -49.85	109 109	345	Peak	5646.757 5697.567	56.23 57.81	-5.24 -5.53	50.99 52.28	68.20 103.41	-17.21 -51.13		125 125	Peak Peak
5719.910	71.80	-5.50	66.30	110.77	-49.85	109	345 345	Peak Peak	5718.829	68.25	-5.50	62.75	110.47	-47.72		125	Peak
5745.000	112.01	-5.46	106.55	122.20	-15.65	109	345	Peak	5745.000	108.57	-5.46	103.11	122.20	-19.09		125	Peak
5865.496	56.66	-5.15	51.51	107.86	-56.35	109	345	Peak	5873.423	56.37	-5.09	51.28	105.64	-54.36		125	Peak
5891.441	56.64	-4.95	51.69	93.00	-41.31	109 109	345	Peak	5893.604 5957.748	56.15 55.94	-4.93 -4.51	51.22 51.43	91.40 68.20	-40.18 -16.77		125 125	Peak Peak
5970.000	56.02	-4.48	51.54	68.20	-16.66	109	345	Peak	3537.746	33.94	-4.51	51.45	00.20	-10.77	122	125	reak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11490.000	29.75	6.92	36.67	54.00	-17.33	147	360	Average	11490.000	29.32	6.92	36.24	54.00	-17.76	154	30	Average
11490.000	40.17	6.92	47.09	74.00	-26.91	147	360	Peak	11490.000	40.80	6.92	47.72	74.00	-26.28	154	30	Peak
17235.000	39.84	11.87	51.71	68.20	-16.49	149	293	Peak	17235.000	41.08	11.87	52.95	68.20	-15.25	148	61	Peak
								5785	MHz								
			Hor	izonta	1							Ve	rtical				
	Reading		Level	Limit	Margin			Remark		Reading		Level	Limit			Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5649.279	56.75	-5.25	51.50		-16.70	107		Peak	5647.478 5696.847	56.60 56.82	-5.24 -5.52	51.36 51.30	68.20 102.88	-16.84 -51.58	103 103	157 157	Peak Peak
5672.342 5717.748	55.97 56.07	-5.38 -5.50	50.59 50.57	84.77 110.17	-34.18 -59.60	107 107		Peak Peak	5710.541	56.49	-5.53	50.96	108.15	-57.19	103	157	Peak
5785.000	112.26	-5.38	106.88	122.20	-15.32	107		Peak	5785.000	109.66	-5.38	104.28	122.20	-17.92	103	157	Peak
5856.486	56.99	-5.22	51.77	110.38	-58.61	107		Peak	5873.063	56.62	-5.10	51.52	105.74	-54.22	103	157	Peak
5885.676	56.84	-4.98	51.86	97.27	-45.41	107		Peak	5903.333	56.35	-4.86	51.49	84.19	-32.70	103	157	Peak
5965.315	55.90	-4.49	51.41	68.20	-16.79	107	344	Peak	5954.865	56.48	-4.52	51.96	68.20	-16.24	103	157	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11570.000	30.42	6.91	37.33	54.00	-16.67	152	6	Average	11570.000	29.85	6.91	36.76	54.00	-17.24	154	141	Average
11570.000	40.65	6.91	47.56	74.00	-26.44	152	6	Peak	11570.000		6.91	49.63	74.00	-24.37	154	141	Peak
17355.000	41.01	12.12	53.13	68.20	-15.07	145	360	Peak	17355.000	41.25	12.12	53.37	68.20	-14.83	151	164	Peak
								5825	MHz								
			Hor	izonta	1				1			Ve	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5624.054	56.46	-5.21	51.25	68.20	-16.95	107	346	Peak	5647.117	56.18	-5.24	50.94	68.20	-17.26	104	158	Peak
5694.324	56.41	-5.51	50.90		-50.12	107	346	Peak	5672.703	57.04	-5.39	51.65	85.04	-33.39	104	158	Peak
5701.532 5825.000	55.60 111.81	-5.54 -5.31	50.06 106.50		-55.57 -15.70	107 107	346 346	Peak Peak	5707.658	56.01	-5.52	50.49	107.35	-56.86	104	158	Peak
5856.486	66.38	-5.22	61.16	110.38		107	346		5825.000 5856.486	109.57 64.20	-5.31 -5.22	104.26 58.98	122.20	-17.94 -51.40	104 104		Peak Peak
5907.297	57.13	-4.83	52.30	81.26	-28.96	107	346	Peak	5889.640	56.80	-4.95	51.85		-42.48	104		Peak
5949.459	56.29	-4.53	51.76	68.20	-16.44	107	346	Peak	5957.387	56.24	-4.52	51.72		-16.48	104	158	
	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
Freq.		dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV		dBuV/m	dBuV/m	dB	(cm)	(°)	
Freq.	dBuV	ub/ III															
MHz		7.04	37.57		-16.43	154	33	Average	11650.000	30.00	7.04	37.04	54.00	-16.96	155	155	Average
	30.53 41.50	7.04 7.04		54.00 74.00	-16.43 -25.46 -15.91	154	33	Average Peak Peak	11650.000 11650.000 17475.000	41.89	7.04 7.04 11.91	37.04 48.93 52.21	74.00	-16.96 -25.07 -15.99	155 155 148	155 155 151	

No.: RXZ230630065RF03

Level = Reading + Factor.

Margin = Level-Limit.

 $Factor = Antenna \; Factor + Cable \; Loss - Amplifier \; Gain.$

802.11ac VHT40 Mode:

								5755	MHz								
			Hor	izonta	ıl							Ve	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5645.315	56.59	-5.24	51.35	68.20	-16.85	111	298	Peak	5611.441	56.05	-5.19	50.86	68.20	-17.34	100	196	Peak
	64.31	-5.24	58.78	104.20	-45.42	111	298	Peak	5699.369	63.74	-5.19	58.20	104.74	-46.54	100	196	Peak
5698.648																	
5719.910	75.39	-5.50	69.89	110.77	-40.88	111	298	Peak	5719.910	74.87	-5.50	69.37	110.77	-41.40	100	196	Peak
5755.000	107.08	-5.44	101.64	122.20	-20.56	111	298	Peak	5755.000	105.82	-5.44	100.38	122.20	-21.82	100	196	Peak
5874.865	55.96	-5.08	50.88	105.24	-54.36	111	298	Peak	5871.622	56.22	-5.11	51.11	106.14	-55.03	100	196	Peak
5918.108	56.45	-4.75	51.70	73.28	-21.58	111	298	Peak	5922.433	56.34	-4.73	51.61	70.09	-18.48	100	196	Peak
5932.162	56.25	-4.66	51.59	68.20	-16.61	111	298	Peak	5962.072	56.11	-4.50	51.61	68.20	-16.59	100	196	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin W	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
1510.000	29.56	6.92	36.48	54.00	-17.52	146	77	Average	11510.000	29.04	6.92	35.96	54.00	-18.04	153	28	Average
1510.000	39.44	6.92	46.36	74.00	-27.64	146	77	Peak	11510.000	40.13	6.92	47.05	74.00	-26.95	153		Peak
7265.000	40.31	11.92	52.23	68.20	-15.97	153	217	Peak	17265.000		11.92	51.98		-16.22	151		Peak
								5795	MHz								
			Hor	izonta	ıl			5795	MHz			Ve	rtical				
Freq.	Reading	Factor	Hor	izonta		Height	Degree			Reading	Factor	Ve	rtical	Margin	Height	Degree	· Remark
Freq.	ReadingdBuV	Factor				Height (cm)	Degree (°)			Reading —	Factor			Margin dB	Height (cm)	Degree (°)	· Remark
MHz	dBuV	dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	(cm)	(°)	Remark	Freq.	dBuV	dB/m	Level dBuV/m	Limit dBuV/m	dB	(cm)	(°)	-
MHz 5610.721	dBuV 56.16	dB/m -5.19	Level dBuV/m 50.97	Limit dBuV/m 68.20	Margin dB	(cm)	(°)	Remark —————	Freq. MHz 5631.982	dBuV 55.93	dB/m	Level dBuV/m 50.71	Limit dBuV/m 68.20	dB -17.49	(cm)	(°)	Peak
MHz 5610.721 5696.126	dBuV 56.16 58.11	dB/m -5.19 -5.52	Level dBuV/m 50.97 52.59	Limit dBuV/m 68.20 102.34	Margin dB -17.23 -49.75	(cm)	(°)	Remark Peak Peak	Freq. MHz 5631.982 5660.451	dBuV 55.93 57.23	dB/m -5.22 -5.31	Level dBuV/m 50.71 51.92	Limit dBuV/m 68.20 75.96	dB -17.49 -24.04	(cm) 100 100	(°) 198 198	Peak Peak
MHz 5610.721 5696.126 5718.108	dBuV 56.16 58.11 59.96	-5.19 -5.52 -5.50	Level dBuV/m 50.97 52.59 54.46	Limit dBuV/m 68.20 102.34 110.27	Margin dB -17.23 -49.75 -55.81	(cm) 100 100 100	(°) 338 338 338	Remark Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189	dBuV 55.93 57.23 57.70	dB/m -5.22 -5.31 -5.50	Level dBuV/m 50.71 51.92 52.20	Limit dBuV/m 68.20 75.96 110.57	dB -17.49 -24.04 -58.37	(cm) 100 100 100	(°) 198 198 198	Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000	dBuV 56.16 58.11 59.96 107.45	dB/m -5.19 -5.52 -5.50 -5.37	Devel dBuV/m 50.97 52.59 54.46 102.08	Limit dBuV/m 68.20 102.34 110.27 122.20	Margin dB -17.23 -49.75 -55.81 -20.12	(cm) 100 100 100 100	(°) 338 338 338 338	Remark Peak Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189 5795.000	dBuV 55.93 57.23 57.70 104.23	dB/m -5.22 -5.31 -5.50 -5.37	Level dBuV/m 50.71 51.92 52.20 98.86	Limit dBuV/m 68.20 75.96 110.57 122.20	dB -17.49 -24.04 -58.37 -23.34	(cm) 100 100 100 100	(°) 198 198 198	Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 5856.847	dBuV 56.16 58.11 59.96 107.45 59.92	dB/m -5.19 -5.52 -5.50 -5.37 -5.22	Level 50.97 52.59 54.46 102.08 54.70	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28	Margin dB -17.23 -49.75 -55.81 -20.12 -55.58	100 100 100 100 100	(°) 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567	dBuV 55.93 57.23 57.70 104.23 57.01	dB/m -5.22 -5.31 -5.50 -5.37 -5.21	Level dBuV/m 50.71 51.92 52.20 98.86 51.80	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08	dB -17.49 -24.04 -58.37 -23.34 -58.28	(cm) 100 100 100 100 100	(°) 198 198 198 198 198	Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 5856.847 5895.045	dBuV 56.16 58.11 59.96 107.45 59.92 56.57	dB/m -5.19 -5.52 -5.50 -5.37 -5.22 -4.92	Level 50.97 52.59 54.46 102.08 54.70 51.65	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28 90.33	Margin dB -17.23 -49.75 -55.81 -20.12 -55.58 -38.68	(cm) 100 100 100 100 100	(°) 338 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567 5897.567	dBuV 55.93 57.23 57.70 104.23 57.01 56.13	dB/m -5.22 -5.31 -5.50 -5.37 -5.21 -4.90	Level dBuV/m 50.71 51.92 52.20 98.86 51.80 51.23	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23	(cm) 100 100 100 100 100 100	(°) 198 198 198 198 198 198	Peak Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000	dBuV 56.16 58.11 59.96 107.45 59.92	dB/m -5.19 -5.52 -5.50 -5.37 -5.22	Level 50.97 52.59 54.46 102.08 54.70	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28	Margin dB -17.23 -49.75 -55.81 -20.12 -55.58	100 100 100 100 100	(°) 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567	dBuV 55.93 57.23 57.70 104.23 57.01	dB/m -5.22 -5.31 -5.50 -5.37 -5.21	Level dBuV/m 50.71 51.92 52.20 98.86 51.80	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23	(cm) 100 100 100 100 100	(°) 198 198 198 198 198	Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 5856.847 5895.045 5950.541	dBuV 56.16 58.11 59.96 107.45 59.92 56.57	dB/m -5.19 -5.52 -5.50 -5.37 -5.22 -4.92	Level 50.97 52.59 54.46 102.08 54.70 51.65	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28 90.33	Margin -17.23 -49.75 -55.81 -20.12 -55.58 -38.68 -16.26	(cm) 100 100 100 100 100 100 100	(°) 338 338 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak Peak	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567 5897.567 5964.234	dBuV 55.93 57.23 57.70 104.23 57.01 56.13	dB/m -5.22 -5.31 -5.50 -5.37 -5.21 -4.90 -4.49	Level dBuV/m 50.71 51.92 52.20 98.86 51.80 51.23	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23	(cm) 100 100 100 100 100 100 100	(°) 198 198 198 198 198 198	Peak Peak Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 5856.847 5895.045 5950.541	dBuV 56.16 58.11 59.96 107.45 59.92 56.57 56.48 Reading	dB/m -5.19 -5.52 -5.50 -5.37 -5.22 -4.92 -4.54	dBuV/m 50.97 52.59 54.46 102.08 54.70 51.65 51.94	dBuV/m 68.20 102.34 110.27 122.20 110.28 90.33 68.20	Margin -17.23 -49.75 -55.81 -20.12 -55.58 -38.68 -16.26	(cm) 100 100 100 100 100 100 100	(°) 338 338 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak Peak Peak Pe	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567 5897.567 5964.234	dBuV 55.93 57.29 57.70 104.23 57.01 56.13 56.48	dB/m -5.22 -5.31 -5.50 -5.37 -5.21 -4.90 -4.49	Level dBuV/m 50.71 51.92 52.20 98.86 51.80 51.23 51.99	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46 68.20	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23 -16.21	(cm) 100 100 100 100 100 100 100	(°) 198 198 198 198 198 198	Peak Peak Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 58856.847 5895.045 5950.541 Freq.	dBuV 56.16 58.11 59.96 107.45 59.92 56.57 56.48 Reading	dB/m -5.19 -5.52 -5.50 -5.37 -5.22 -4.92 -4.54 Factor	Level dBuV/m 50.97 52.59 54.46 102.08 54.76 51.95 51.94 Level	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28 90.33 68.20 Limit	Margin dB -17.23 -49.75 -55.81 -20.12 -55.58 -38.68 -16.26 Margin dB	(cm) 100 100 100 100 100 100 100 (cm)	(°) 338 338 338 338 338 338 338 338 (°)	Remark Peak Peak Peak Peak Peak Peak Peak Pe	Freq. MHz 5631.982 5660.451 5719.189 5795.000 5857.567 5897.567 5964.234 Freq.	dBuV 55.93 57.23 57.70 104.23 57.01 56.13 56.48 Reading	dB/m -5.22 -5.31 -5.50 -5.37 -5.21 -4.90 -4.49 Factor	Level dBuV/m 50.71 51.92 52.20 98.86 51.80 51.23 51.99 Level	Limit dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46 68.20 Limit	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23 -16.21 Margin	(cm) 100 100 100 100 100 100 100 Height (cm)	(°) 198 198 198 198 198 198 198 Degree (°)	Peak Peak Peak Peak Peak Peak Peak
MHz 5610.721 5696.126 5718.108 5795.000 5856.847 5895.045 5950.541 Freq.	dBuV 56.16 58.11 59.96 107.45 59.92 56.57 56.48 Reading dBuV 29.89	dB/m -5.19 -5.52 -5.50 -5.37 -5.22 -4.92 -4.54	Level dBuV/m 50.97 52.59 54.46 102.08 54.70 51.65 51.94 Level	Limit dBuV/m 68.20 102.34 110.27 122.20 110.28 90.33 68.20 Limit	Margin dB -17.23 -49.75 -55.81 -20.12 -55.58 -38.68 -16.26 Margin dB -17.20	(cm) 100 100 100 100 100 100 100 (cm)	(°) 338 338 338 338 338 338 338	Remark Peak Peak Peak Peak Peak Peak Peak Pe	Freq. MHz 5631.982 5669.451 5719.189 5795.000 5857.567 5897.567 5964.234 Freq.	dBuV 55.93 57.23 57.70 104.23 57.01 56.13 56.48 Reading	dB/m -5.22 -5.31 -5.50 -5.37 -5.21 -4.90 -4.49	Level dBuV/m 50.71 51.92 52.20 98.86 51.80 51.23 51.99 Level	dBuV/m 68.20 75.96 110.57 122.20 110.08 88.46 68.20	dB -17.49 -24.04 -58.37 -23.34 -58.28 -37.23 -16.21	(cm) 100 100 100 100 100 100 100 Height	(°) 198 198 198 198 198 198 198	Peak Peak Peak Peak Peak Peak Peak

No.: RXZ230630065RF03

802.11ac VHT80 Mode:

	5775 MHz																
	Horizontal									Vertical							
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5649.279	61.01	-5.25	55.76	68.20	-12.44	102	338	Peak	5620.090	58.36	-5.20	53.16	68.20	-15.04	100	199	Peak
5695.766	71.65	-5.51	66.14	102.08	-35.94	102	338	Peak	5699.729	66.97	-5.54	61.43	105.00	-43.57	100	199	Peak
5719.910	72.80	-5.50	67.30	110.77	-43.47	102	338	Peak	5719.549	70.29	-5.50	64.79	110.67	-45.88	100	199	Peak
5775.000	105.05	-5.41	99.64	122.20	-22.56	102	338	Peak	5775.000	102.19	-5.41	96.78	122.20	-25.42	100	199	Peak
5866.577	74.13	-5.14	68.99	107.56	-38.57	102	338	Peak	5866,216	69.07	-5.14	63.93	107.66		100	199	Peak
5875.225	67.71	-5.08	62.63	105.03	-42.40	102	338	Peak	5875.585	63.55	-5.08	58.47	104.76		100	199	Peak
5928.919	57.59	-4.68	52.91	68.20	-15.29	102	338	Peak	5962.793	55.99	-4.49	51.50	68.20	-16.70	100	199	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
1550.000	29.18	6.92	36.10	54.00	-17.90	153	220	Average	11550.000	29.08	6.92	36.00	54.00	-18.00	156		Averag
1550.000	39.34	6.92	46.26	74.00	-27.74	153	220	Peak	11550.000	40.04	6.92	46.96	74.00	-27.04	156	316	Peak
7325.000		12.05	53.09		-15.11		208		17325.000	40.21	12.05	52.26	68.20	-15.94	152	180	Peak

Level = Reading + Factor.

Margin = Level-Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

10 RSS-247 §6.2.1.2 – 26dB Attenuated Below The Channel Power

No.: RXZ230630065RF03

10.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

10.2 Test Procedure

- 1. Set RBW = $1\% \sim 5\%$ of the emission bandwidth.
- 2. Set the VBW > RBW.
- 3. Detector = RMS.
- 4. Trace mode = max hold
- 5. Measure the emission attenuated below the channel power

10.3 Test Results

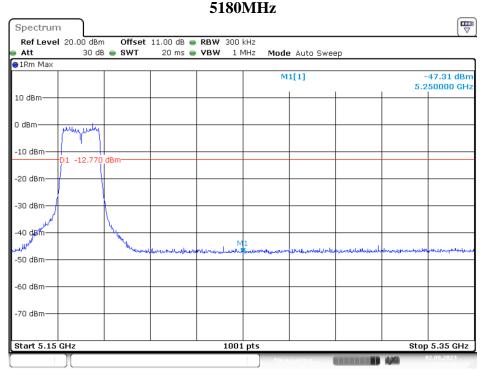
The requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 12.3.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

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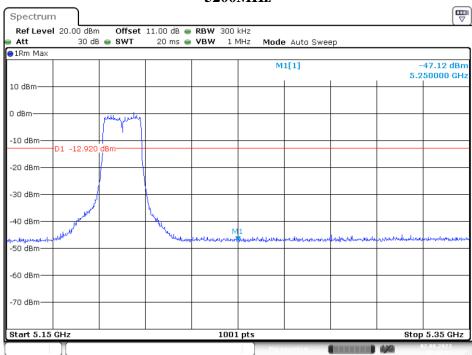
Transmitting Mode: IEEE 802.11a Mode / 5150 ~ 5250MHz

No.: RXZ230630065RF03



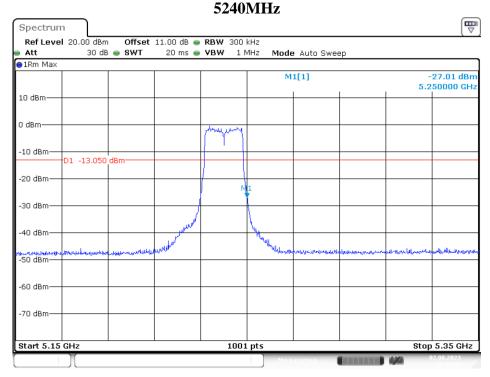
Date: 2.AUG.2023 17:07:38

5200MHz



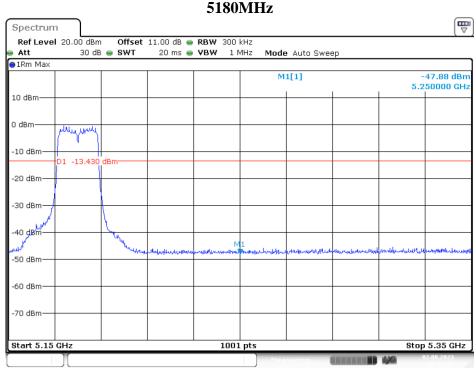
Date: 2.AUG.2023 17:12:16

No.: RXZ230630065RF03



Date: 2.AUG.2023 17:13:59

IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz



Date: 2.AUG.2023 17:15:46

No.: RXZ230630065RF03

5200MHz Spectrum Ref Level 20.00 dBm Offset 11.00 dB 🖷 RBW 300 kHz 30 dB 👄 SWT Att 20 ms 🁄 **VBW** 1 MHz Mode Auto Sweep ●1Rm Max M1[1] -48.12 dBn 5.250000 GH 10 dBm 0 dBm -10 dBm D1 -13.450 -20 dBm -30 dBm -40 dBm -50 dBm--60 dBm -70 dBm Start 5.15 GHz 1001 pts Stop 5.35 GHz

Date: 2.AUG.2023 17:16:21

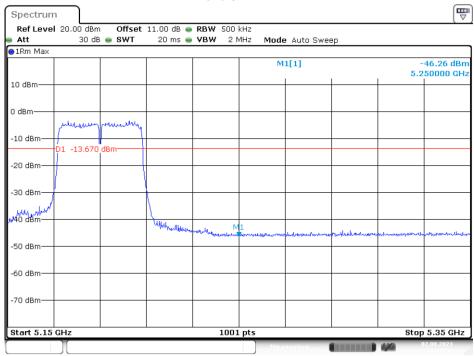
5240MHz Spectrum Ref Level 20.00 dBm Offset 11.00 dB • RBW 300 kHz 30 dB 🅌 SWT 20 ms 🍅 **VBW** Att 1 MHz Mode Auto Sweep ●1Rm Max -24.87 dBm 5.250000 GHz M1[1] 10 dBm 0 dBm -10 dBm D1 -13.510 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 1001 pts Stop 5.35 GHz Start 5.15 GHz

Date: 2.AUG.2023 17:17:20

IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz

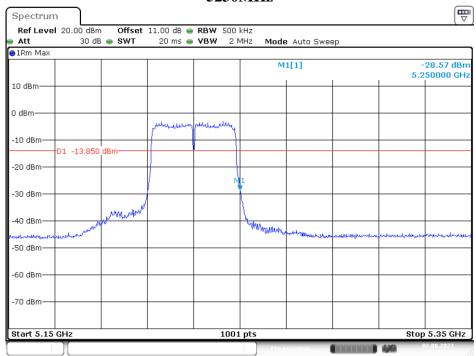
5190MHz

No.: RXZ230630065RF03



Date: 2.AUG.2023 17:18:35

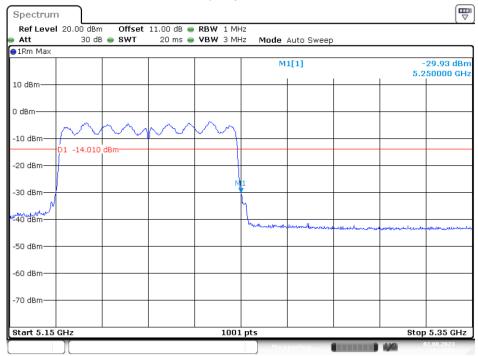
5230MHz



Date: 2.AUG.2023 17:19:20

IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz

5210MHz



Date: 2.AUG.2023 17:21:02

11 FCC §15.407(a)(e) & RSS-247 §6.2, RSS-GEN §6.7 – Emission Bandwidth And Occupied Bandwidth

11.1 Applicable Standard

As per FCC §15.407(a): The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

No.: RXZ230630065RF03

As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

RSS-247 Clause 6.2.4.1

For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

11.2 Test Procedure

26dB Emission Bandwidth (EBW)

According to ANSI C63.10-2013 Section 12.4.1

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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Minimum Emission Bandwidth for the band 5.725-5.85 GHz

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

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- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times RBW$.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

11.3 Test Results

Test mode: Transmitting

5150-5250MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
		36	5180	21.08	16.62
	802.11a	40	5200	21.08	16.54
		48	5240	21.20	16.54
		36	5180	21.84	17.62
UNII-1	802.11ac 20	40	5200	21.40	17.58
		48	5240	21.36	17.58
	902 11 40	38	5190	42.56	36.36
	802.11ac 40	46	5230	42.64	36.28
	802.11ac 80	42	5210	82.24	75.44

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5250-5350MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
		52	5260	21.24	16.58
	802.11a	60	5300	20.64	16.58
		64	5320	20.72	16.54
		52	5260	21.32	17.58
UNII-2A	802.11ac 20	60	5300	21.64	17.58
		64	5320	21.24	17.58
	802.11ac 40	54	5270	42.96	36.36
	602.11ac 40	62	5310	42.72	36.36
	802.11ac 80	58	5290	82.56	75.44

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
		100	5500	20.72	16.58
	802.11a	116	5580	20.72	16.66
		140	5700	23.56	16.66
		100	5500	21.56	17.62
	802.11ac 20	116	5580	22.00	17.62
UNII-2C		140	5700	22.24	17.58
		102	5510	43.36	36.44
	802.11ac 40	118	5590	42.64	36.60
		134	5670	42.56	36.60
	802.11ac 80	106	5530	83.36	75.60
	602.11ac 60	122	5610	85.60	75.76

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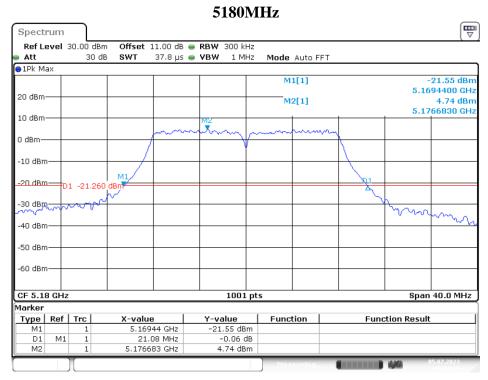
5725-5850MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)	Limit (kHz)	Result
		149	5745	16.32	16.66	≥500	PASS
	802.11a	157	5785	16.32	16.62	≥500	PASS
		165	5825	16.28	16.58	≥500	PASS
		149	5745	17.08	17.70	≥500	PASS
UNII-3	802.11ac 20	157	5785	16.96	17.70	≥500	PASS
		165	5825	16.96	17.66	≥500	PASS
	802.11ac 40	151	5755	35.68	36.76	≥500	PASS
	602.11ac 40	159	5795	35.68	36.68	≥500	PASS
	802.11ac 80	155	5775	75.20	75.92	≥500	PASS

Please refer to the following plots

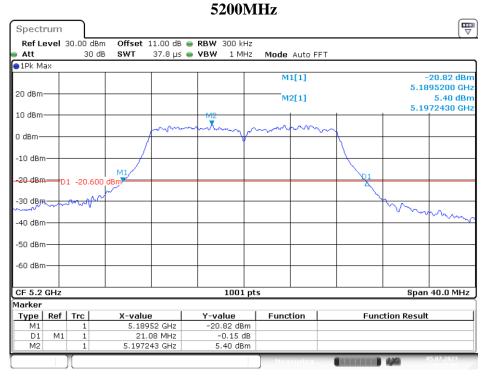
Transmitting Mode:

UNII-1 Band I / BW 26dBc IEEE 802.11a Mode / 5150 ~ 5250MHz

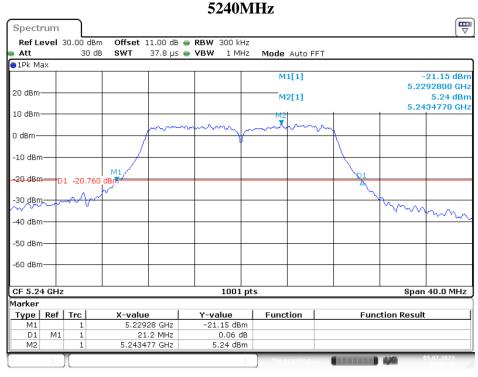


No.: RXZ230630065RF03

Date: 5.JUL.2023 10:13:17

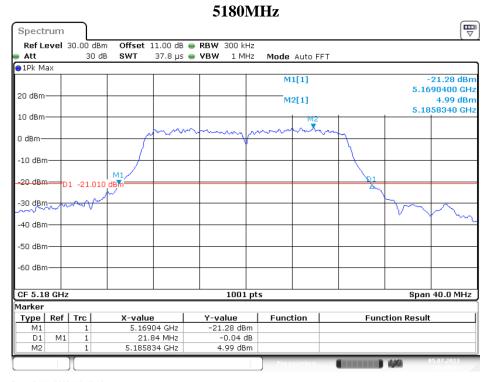


Date: 5.JUL.2023 10:15:06



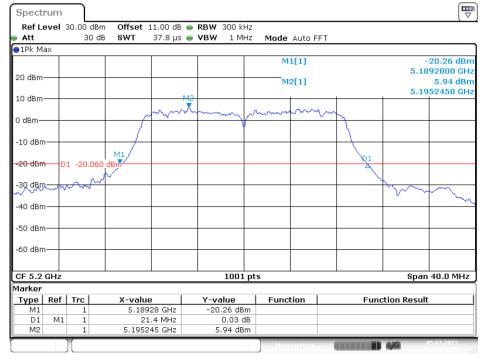
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IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz



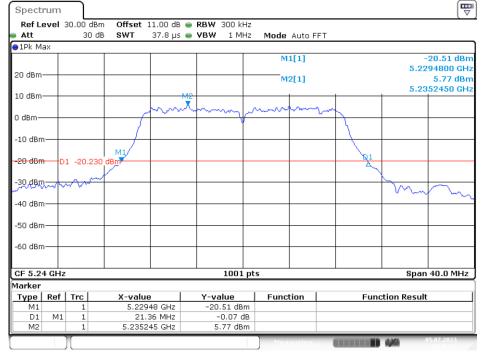
Date: 5.JUL.2023 10:45:13

5200MHz



Date: 5.JUL.2023 10:46:46

5240MHz

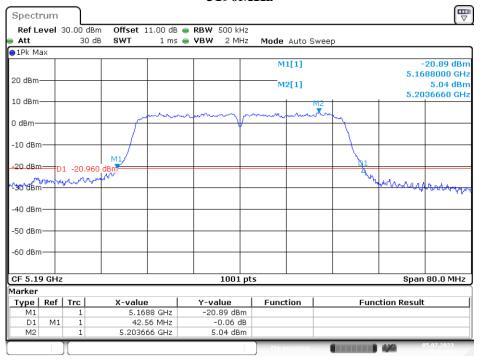


Date: 5.JUL.2023 10:48:47

IEEE 802.11ac VHT40 Mode / 5150 ~ 5250MHz

5190MHz

No.: RXZ230630065RF03



Date: 5.JUL.2023 11:12:05

5230MHz \Box Spectrum Ref Level 30.00 dBm Offset 11.00 dB • RBW 500 kHz SWT Att 30 dB 1 ms VBW Mode Auto Sweep ●1Pk Max -21.08 dBn M1[1] 5.2087200 GHz 20 dBm M2[1] 5.2437460 GHz 10 dBm-0 dBm--10 dBm-D1 -20.850 <u>-30°dBm</u> -40 dBm -50 dBm -60 dBm CF 5.23 GHz 1001 pts Span 80.0 MHz Marker Type | Ref | Trc | **Function Result** Function X-value Y-value 5.20872 GHz -21.08 dBm D1 М1 42.64 MHz -0.01 dB 5.243746 GHz M2 5.15 dBm

Date: 5.JUL.2023 11:14:01

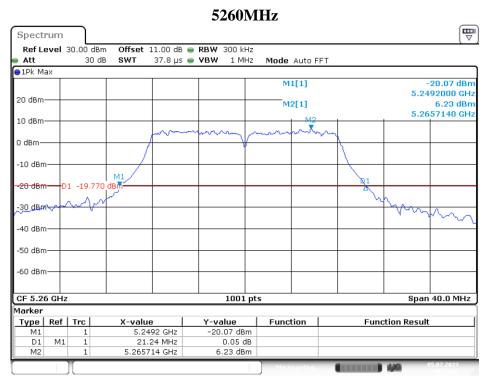
IEEE 802.11ac VHT80 Mode / 5150 ~ 5250MHz

5210MHz Spectrum Ref Level 30.00 dBm Offset 11.00 dB @ RBW 1 MHz 1 ms 🍅 **VBW** 3 MHz 30 dB Att SWT Mode Auto Sweep 1Pk Max -18.69 dBn 5.169200 GH M1[1] 20 dBm M2[1] 7.40 dBn 5.235890 GHz 10 dBm 0 dBm--10 dBm D1 -18.600 _የመፈራታ[™]ኤሊያየ_ፍታላቀትፋላም -30 dBm -40 dBm -50 dBm -60 dBm-CF 5.21 GHz 1001 pts Span 160.0 MHz Marker Type | Ref | Trc X-value Y-value -18.69 dBm Function **Function Result** 5.1692 GHz D1 М1 82.24 MHz 0.14 dB M2 5.23589 GHz 7.40 dBm

No.: RXZ230630065RF03

Date: 5.JUL.2023 11:48:18

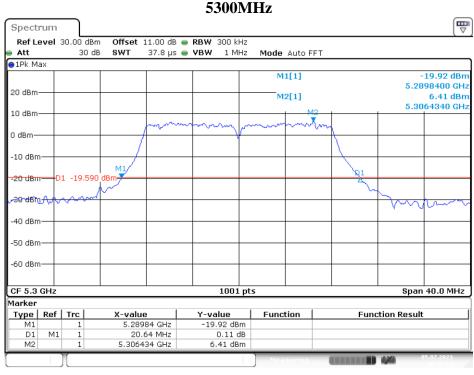
UNII-2A Band II / BW 26dBc IEEE 802.11a Mode / 5250 ~ 5350MHz



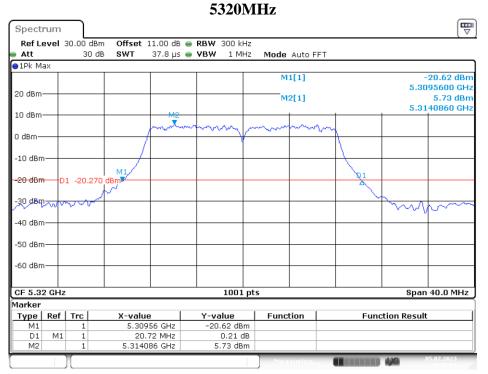
Date: 5.JUL.2023 10:19:31

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Date: 5.JUL.2023 10:30:20

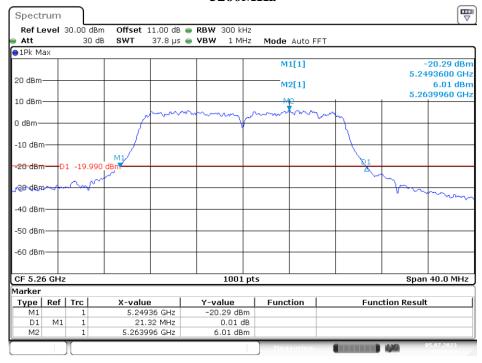


Date: 5.JUL.2023 10:32:06

IEEE 802.11ac VHT20 Mode / 5250 ~ 5350MHz

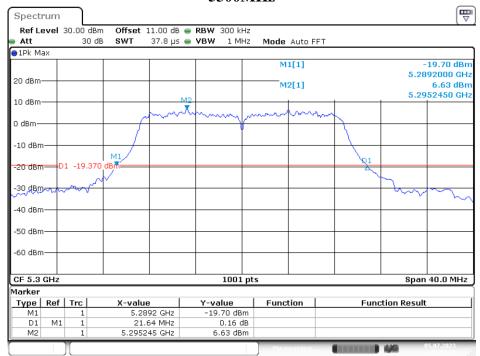
5260MHz

No.: RXZ230630065RF03

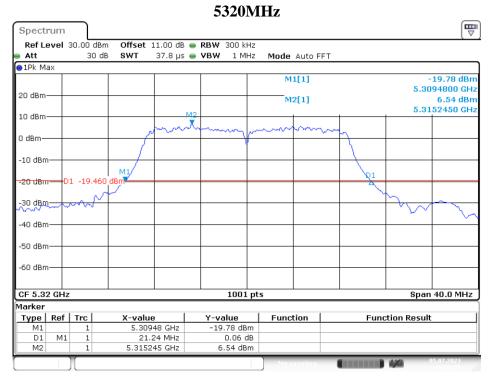


Date: 5.JUL.2023 10:51:04

5300MHz

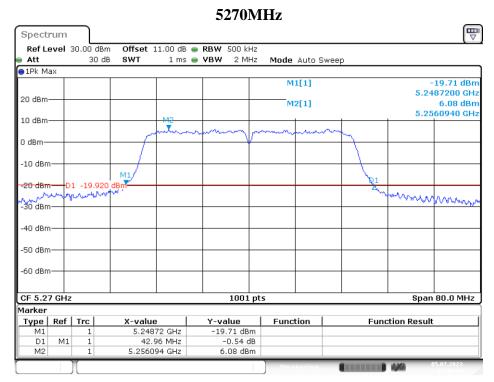


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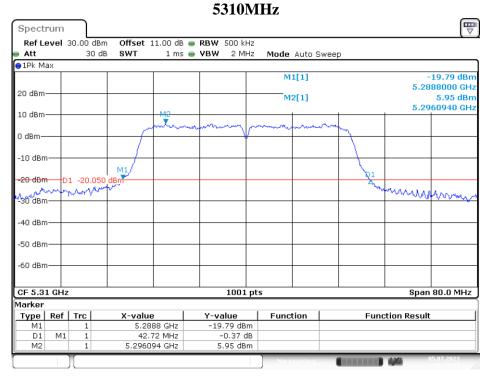


Date: 5.JUL.2023 10:56:20

IEEE 802.11ac VHT40 Mode / 5250 ~ 5350MHz

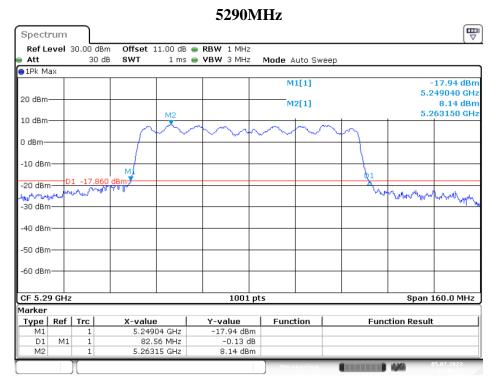


Date: 5.JUL.2023 11:18:01



Date: 5.JUL.2023 11:19:53

IEEE 802.11ac VHT80 Mode / 5250 ~ 5350MHz



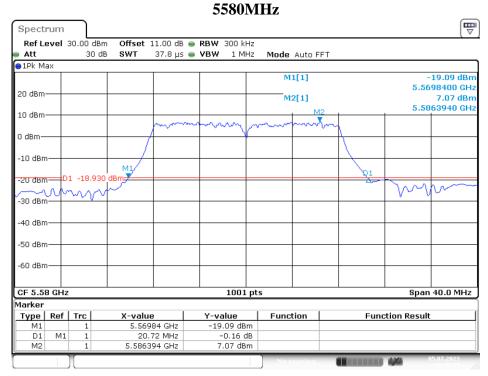
Date: 5.JUL.2023 11:46:33

UNII-2C Band III / BW 26dBc IEEE 802.11a Mode / 5470 ~ 5725MHz

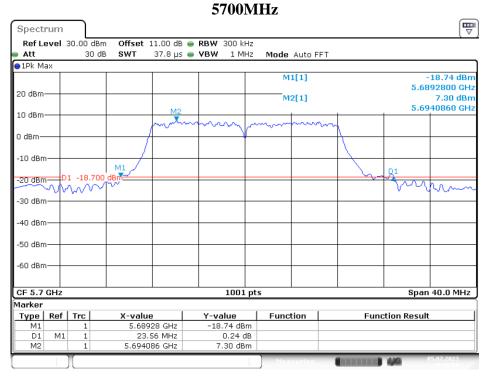
5500MHz Spectrum Ref Level 30.00 dBm Offset 11.00 dB RBW 300 kHz 30 dB SWT 37.8 µs 🍅 **VBW** Mode Auto FFT ●1Pk Max M1[1] -19.44 dBm 5.489760 GH 20 dBm 6.74 dBm 5.506394 GHz M2[1] 10 dBm -10 dBm D1 -19.260 -20 dBm 30 dBm 40 dBm -50 dBm -60 dBm Span 40.0 MHz 1001 pts CF 5.5 GHz Marker Type | Ref | Trc Y-value Function **Function Result** 5.48976 GHz -19.44 dBm D1 20.72 MHz 0.31 dB M2 5.506394 GHz 6.74 dBm

No.: RXZ230630065RF03

Date: 5.JUL.2023 10:33:41

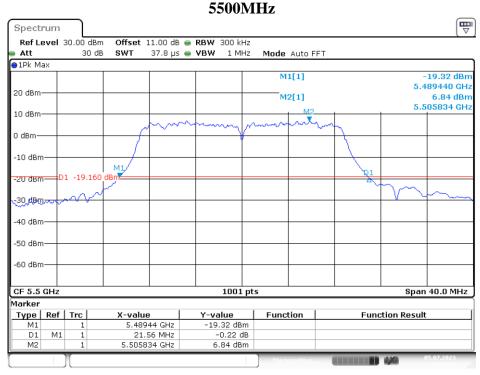


Date: 5.JUL.2023 10:35:25

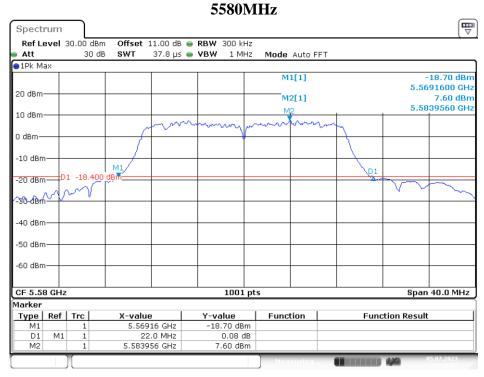


Date: 5.JUL.2023 10:37:00

IEEE 802.11ac VHT20 Mode / 5470 ~ 5725MHz

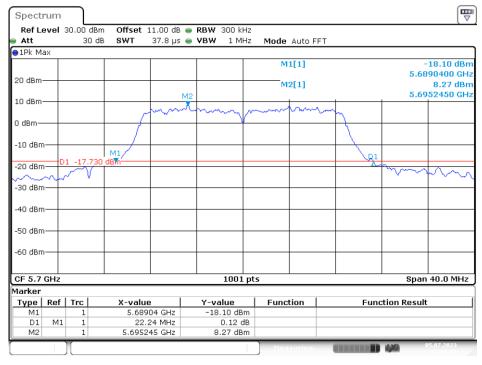


Date: 5.JUL.2023 10:58:00



Date: 5.JUL.2023 11:00:52

5700MHz

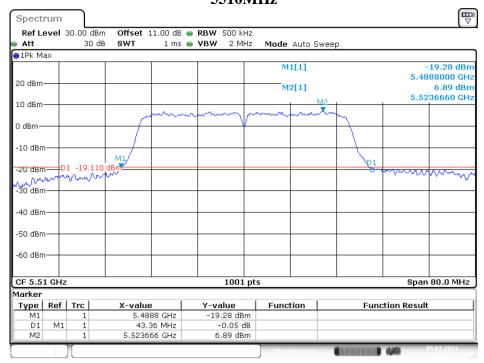


Date: 5.JUL.2023 11:02:38

IEEE 802.11ac VHT40 Mode / 5470 ~ 5725MHz

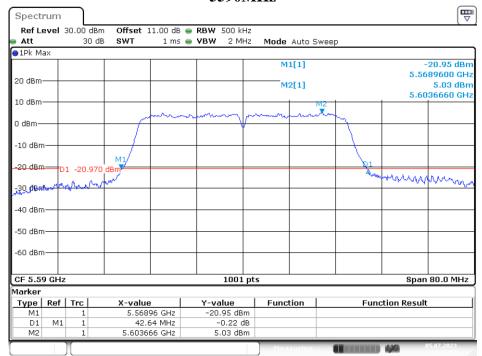
5510MHz

No.: RXZ230630065RF03

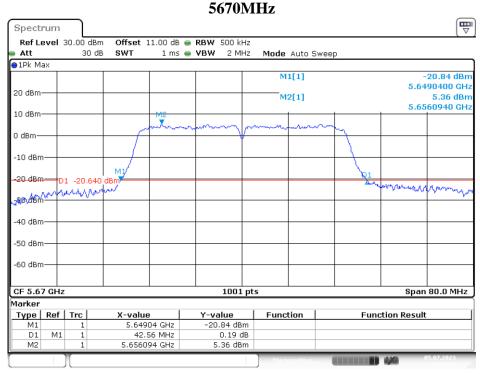


Date: 5.JUL.2023 11:22:21

5590MHz

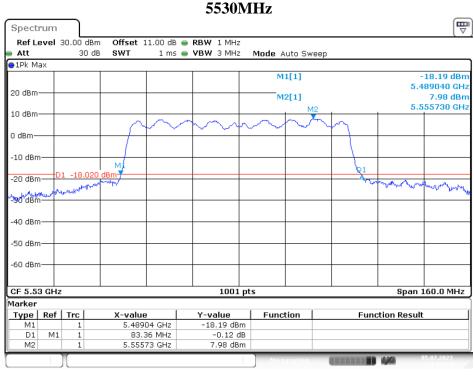


Date: 5.JUL.2023 11:41:50



Date: 5.JUL.2023 11:43:10

IEEE 802.11ac VHT80 Mode / 5470 ~ 5725MHz



Date: 5.JUL.2023 11:51:34

SWT

X-value

5.56904 GHz

5.63573 GHz

85.6 MHz

No.: RXZ230630065RF03

Span 160.0 MHz

Function Result

Date: 5.JUL.2023 11:54:43

Type Ref Trc

CF 5.61 GHz

Marker

D1 М1

M2

Spectrum

Att

20 dBm

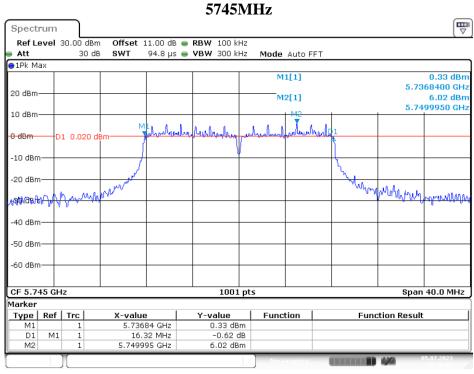
10 dBm 0 dBm--10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm-

1Pk Max

Ref Level 30.00 dBm

30 dB

UNII-3 Band IV / BW 6dBc IEEE 802.11a Mode / 5725 ~ 5850MHz



1001 pts

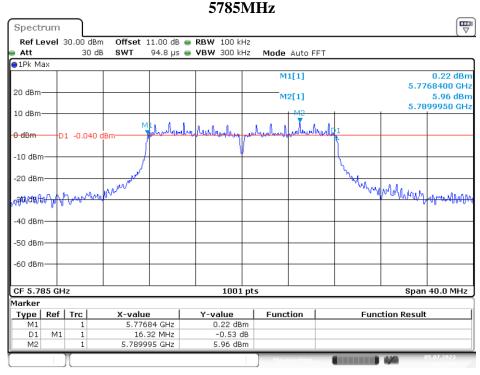
Function

Y-value -17.75 dBm

0.17 dB

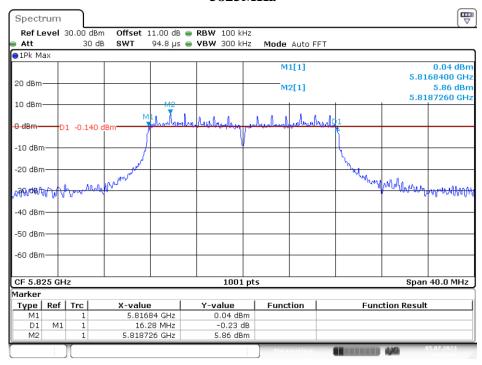
8.25 dBm

Date: 5.JUL.2023 10:39:13



Date: 5.JUL.2023 10:41:02

5825MHz

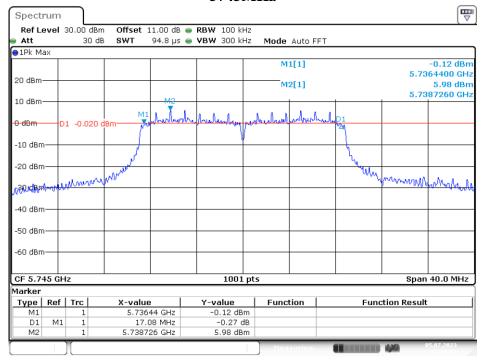


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IEEE 802.11ac VHT20 Mode / 5725 ~ 5850MHz

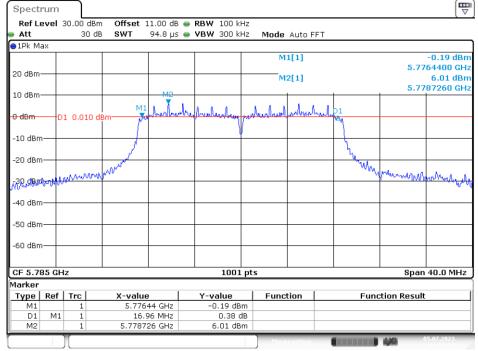
5745MHz

No.: RXZ230630065RF03

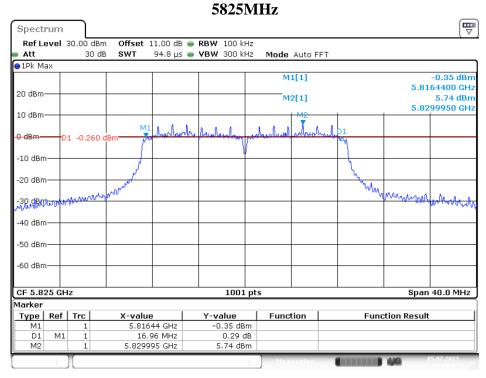


Date: 5.JUL.2023 11:04:17

5785MHz

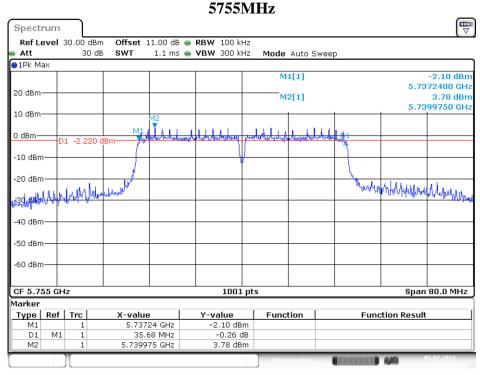


Date: 5.JUL.2023 11:06:13

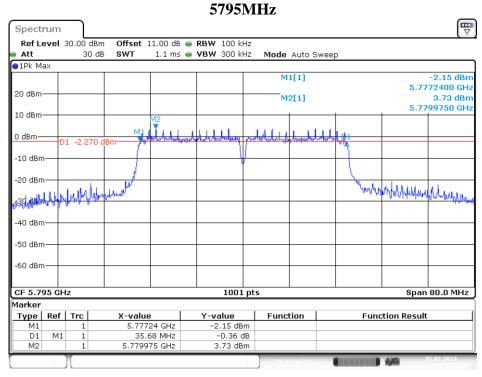


Date: 5.JUL.2023 11:08:03

IEEE 802.11ac VHT40 Mode / 5725 ~ 5850MHz

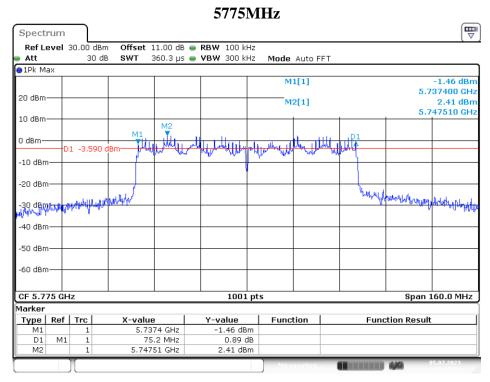


Date: 5.JUL.2023 11:27:36



Date: 5.JUL.2023 11:29:37

IEEE 802.11ac VHT80 Mode / 5725 ~ 5850MHz

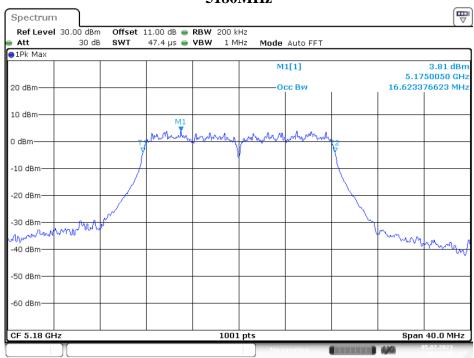


Date: 5.JUL.2023 11:55:52

UNII-1 Band I / OBW 99% IEEE 802.11a Mode / 5150 ~ 5250MHz

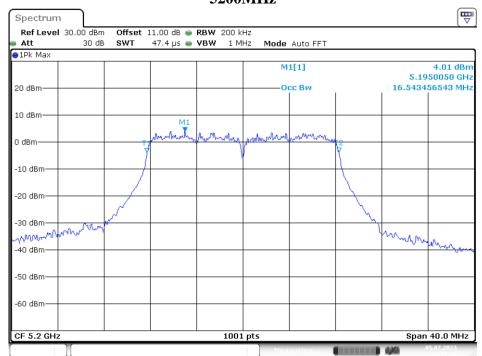
5180MHz

No.: RXZ230630065RF03



Date: 5.JUL.2023 10:13:59

5200MHz



Date: 5.JUL.2023 10:15:48

No.: RXZ230630065RF03

Span 40.0 MHz

Date: 5.JUL.2023 10:18:20

Spectrum

●1Pk Max

20 dBm

10 dBm

0 dBm-

-10 dBm

-20 dBm

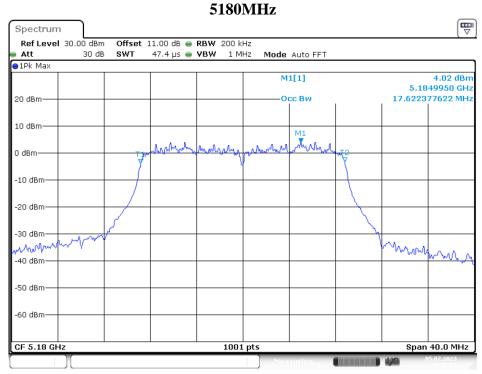
-40 dBm·

-60 dBm

CF 5.24 GHz

Ref Level 30.00 dBm

IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz



1001 pts

Date: 5.JUL.2023 10:45:55

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