Temperature: 16.5 ~ 23.6℃ **Test date:** February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH **Tested by:** Jack Chen

BFM OFF- Slave

Conducted output power：

802.11a_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	6	11	15.24	15.79	18.71	74.302	21.87	PASS
44	5220	6	12	15.28	15.71	18.69	73.961	21.87	PASS
48	5240	6	12	15.38	15.76	**18.76**	75.162	21.87	PASS
52	5260	6	12	15.73	16.73	19.45	88.105	21.87	PASS
60	5300	6	12.5	16.05	16.27	19.35	86.099	21.87	PASS
64	5320	6	12.5	16.3	16.34	**19.51**	89.331	21.87	PASS
100	5500	6	12.5	15.76	16.56	**19.37**	86.497	21.87	PASS
116	5580	6	12.5	15.88	16.31	19.29	84.918	21.87	PASS
140	5700	6	13	15.81	16.02	19.10	81.283	21.87	PASS
144	5720(U-NII 2C)	6	13	14.20	14.94	17.78	59.940	21.87	PASS
144	5720 (U-NII 3)	6	13	9.36	10.08	12.92	19.604	28.44	PASS
149	5745	6	20	23.09	23.78	**26.64**	461.318	28.44	PASS
157	5785	6	20	22.61	23.32	26.17	414.000	28.44	PASS
165	5825	6	20	22.46	23.29	26.08	405.509	28.44	PASS

802.11n_HT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	14	15.43	16.02	18.94	78.343	21.87	PASS
44	5220	MCS0	15	15.51	16.08	19.01	79.616	21.87	PASS
48	5240	MCS0	15	15.71	16.07	**19.10**	81.283	21.87	PASS
52	5260	MCS0	14.5	15.53	16.54	19.27	84.528	21.87	PASS
60	5300	MCS0	15.5	16.32	16.57	19.65	92.257	21.87	PASS
64	5320	MCS0	15.5	16.54	16.56	**19.76**	94.624	21.87	PASS
100	5500	MCS0	15	15.67	16.46	**19.29**	84.918	21.87	PASS
116	5580	MCS0	15	15.62	16.21	19.13	81.846	21.87	PASS
140	5700	MCS0	15.5	15.28	16.02	18.87	77.090	21.87	PASS
144	5720	MCS0	15.5	15.84	16.11	19.18	82.745	21.87	PASS
144	5720 (U-NII 3)	MCS0	15.5	9.85	10.11	13.18	20.809	28.44	PASS
149	5745	MCS0	23	22.92	23.54	**26.45**	441.570	28.44	PASS
157	5785	MCS0	23	22.66	23.09	26.09	406.443	28.44	PASS
165	5825	MCS0	23	22.68	23.44	26.28	424.620	28.44	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	14	15.51	16.11	19.02	79.799	21.87	PASS
44	5220	MCS0	15	15.62	16.14	19.09	81.096	21.87	PASS
48	5240	MCS0	15	15.78	16.13	**19.16**	82.414	21.87	PASS
52	5260	MCS0	14.5	15.64	16.67	19.39	86.896	21.87	PASS
60	5300	MCS0	15.5	16.35	16.66	19.71	93.541	21.87	PASS
64	5320	MCS0	15.5	16.63	16.67	**19.85**	96.605	21.87	PASS
100	5500	MCS0	15	15.72	16.53	**19.35**	86.099	21.87	PASS
116	5580	MCS0	15	15.78	16.28	19.24	83.946	21.87	PASS
140	5700	MCS0	15.5	15.45	16.21	19.05	80.353	21.87	PASS
144	5720(U-NII 2C)	MCS0	15.5	14.69	14.93	18.01	63.299	21.87	PASS
144	5720 (U-NII 3)	MCS0	15.5	9.96	10.19	13.28	21.267	28.44	PASS
149	5745	MCS0	23	22.94	23.56	**26.46**	442.588	28.44	PASS
157	5785	MCS0	23	22.67	23.11	26.10	407.380	28.44	PASS
165	5825	MCS0	23	22.78	23.57	26.40	436.516	28.44	PASS

802.11n_HT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	16.5	17.61	17.97	21.18	131.220	21.87	PASS
46	5230	MCS0	17.5	17.78	18.17	**21.36**	136.773	21.87	PASS
54	5270	MCS0	16.5	17.46	18.32	**21.29**	134.586	21.87	PASS
62	5310	MCS0	17	17.75	17.82	21.17	130.918	21.87	PASS
102	5510	MCS0	15.5	15.63	16.37	19.40	87.096	21.87	PASS
110	5550	MCS0	18	17.65	17.69	21.05	127.350	21.87	PASS
134	5670	MCS0	17	17.57	17.95	**21.15**	130.317	21.87	PASS
142	5710	MCS0	17.5	17.47	17.54	20.89	122.615	21.87	PASS
142	5710 (U-NII 3)	MCS0	17.5	8.43	8.43	11.81	15.164	28.44	PASS
151	5755	MCS0	24	23.77	24.02	**27.28**	534.564	28.44	PASS
159	5795	MCS0	24	23.58	23.61	26.98	498.884	28.44	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	16.5	17.82	18.08	21.33	135.831	21.87	PASS
46	5230	MCS0	17.5	17.95	18.21	**21.46**	139.959	21.87	PASS
54	5270	MCS0	16.5	17.52	18.32	**21.32**	135.519	21.87	PASS
62	5310	MCS0	17	17.76	17.85	21.18	131.220	21.87	PASS
102	5510	MCS0	15.5	15.84	16.53	19.58	90.782	21.87	PASS
110	5550	MCS0	18	17.61	17.75	21.06	127.644	21.87	PASS
134	5670	MCS0	17	17.63	17.98	**21.19**	131.522	21.87	PASS
142	5710(U-NII 2C)	MCS0	17.5	16.97	17.01	20.37	108.942	21.87	PASS
142	5710 (U-NII 3)	MCS0	17.5	8.51	8.47	11.87	15.375	28.44	PASS
151	5755	MCS0	24	23.94	24.25	**27.48**	559.758	28.44	PASS
159	5795	MCS0	24	23.92	24.21	27.45	555.904	28.44	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	13	14.8	15.21	**18.74**	74.817	21.87	PASS
58	5290	MCS0	14.5	16.85	15.98	**20.16**	103.753	21.87	PASS
106	5530	MCS0	14.5	16.12	16.01	19.79	95.280	21.87	PASS
138	5690(U-NII 2C)	MCS0	17	17.00	17.85	21.18	131.113	21.87	PASS
138	5690 (U-NII 3)	MCS0	17	4.88	5.40	8.88	7.725	28.44	PASS
155	5775	MCS0	18	19.01	19.12	**22.79**	190.108	28.44	PASS

802.11ax_HE20_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	12.5	16.08	16.22	**19.40**	87.096	21.87	PASS
		MCS0	26/0	14.5	7.54	8.09	11.07	12.794	21.87	PASS
		MCS0	52/37	14	10.16	10.74	13.71	23.496	21.87	PASS
		MCS0	106/53	13.5	12.77	13.33	16.31	42.756	21.87	PASS
44	5220	MCS0	full	13.5	15.87	16.16	19.27	84.528	21.87	PASS
		MCS0	26/0	15.5	7.63	8.19	11.17	13.092	21.87	PASS
		MCS0	26/8	15.5	7.42	8.17	11.06	12.764	21.87	PASS
		MCS0	52/37	14.5	9.69	10.16	13.18	20.797	21.87	PASS
		MCS0	52/40	14.5	9.56	10.18	13.13	20.559	21.87	PASS
		MCS0	106/53	14	12.39	12.88	15.89	38.815	21.87	PASS
		MCS0	106/54	14	12.33	12.88	15.86	38.548	21.87	PASS
48	5240	MCS0	full	13.5	15.88	16.24	19.31	85.310	21.87	PASS
		MCS0	26/8	15	7.2	7.81	10.76	11.912	21.87	PASS
		MCS0	52/40	14.5	9.69	10.27	13.24	21.086	21.87	PASS
		MCS0	106/54	14	12.42	13.02	15.98	39.628	21.87	PASS
52	5260	MCS0	full	13	15.72	16.86	19.58	90.782	21.87	PASS
		MCS0	26/0	15	7.75	8.34	11.30	13.490	21.87	PASS
		MCS0	52/37	14.5	10.1	10.86	13.75	23.714	21.87	PASS
		MCS0	106/53	14	12.83	13.53	16.44	44.055	21.87	PASS
60	5300	MCS0	full	14	16.59	16.86	**19.98**	99.541	21.87	PASS
		MCS0	26/0	15.5	7.66	8.06	11.11	12.912	21.87	PASS
		MCS0	26/8	15.5	8.04	8.13	11.33	13.583	21.87	PASS
		MCS0	52/37	15	10.17	10.46	13.57	22.751	21.87	PASS
		MCS0	52/40	15	10.58	10.73	13.90	24.547	21.87	PASS
		MCS0	106/53	14.5	12.94	13.22	16.33	42.954	21.87	PASS
		MCS0	106/54	14	12.66	12.69	15.92	39.084	21.87	PASS
64	5320	MCS0	full	13.5	16.2	16.36	19.53	89.743	21.87	PASS
		MCS0	26/8	15.5	8.1	8.14	11.37	13.709	21.87	PASS
		MCS0	52/40	15	10.39	10.93	13.92	24.660	21.87	PASS
		MCS0	106/54	14	12.66	13.05	16.11	40.832	21.87	PASS

100	5500	MCS0	full	13.5	15.86	16.77	19.59	90.991	21.87	PASS
		MCS0	26/0	15.5	8.03	8.83	11.70	14.791	21.87	PASS
		MCS0	52/37	15	10.4	11.34	14.14	25.942	21.87	PASS
		MCS0	106/53	14	12.68	13.47	16.34	43.053	21.87	PASS
116	5580	MCS0	full	13	15.41	15.84	18.88	77.268	21.87	PASS
		MCS0	26/0	15	7.34	7.6	10.72	11.803	21.87	PASS
		MCS0	26/8	15	7.08	7.67	10.63	11.561	21.87	PASS
		MCS0	52/37	14.5	10.04	10.15	13.34	21.577	21.87	PASS
		MCS0	52/40	14.5	9.97	10	13.23	21.038	21.87	PASS
		MCS0	106/53	14	12.67	12.78	15.97	39.537	21.87	PASS
		MCS0	106/54	14	12.75	12.77	16.01	39.902	21.87	PASS
140	5700	MCS0	full	14.5	16.53	16.75	**19.89**	97.499	21.87	PASS
		MCS0	26/8	16	7.78	8.11	11.20	13.183	21.87	PASS
		MCS0	52/40	15.5	10.28	10.65	13.72	23.550	21.87	PASS
		MCS0	106/54	15	12.9	13.32	16.36	43.251	21.87	PASS
144	5720	MCS0	full	14	15.81	15.93	19.12	81.658	21.87	PASS
		MCS0	26/0	16.5	7.95	8.15	11.30	13.490	21.87	PASS
		MCS0	26/8	16	7.74	7.85	11.04	12.706	21.87	PASS
		MCS0	52/37	15.5	10.03	10.12	13.32	21.478	21.87	PASS
		MCS0	52/40	15.5	10.29	10.45	13.62	23.014	21.87	PASS
		MCS0	106/53	15	12.63	12.88	16.01	39.902	21.87	PASS
		MCS0	106/54	15	12.93	13.07	16.25	42.170	21.87	PASS
149	5745	MCS0	full	22	23.34	24.09	**26.98**	498.884	28.44	PASS
		MCS0	26/0	23	15.73	16.16	19.20	83.176	28.44	PASS
		MCS0	52/37	22.5	18.06	18.45	21.51	141.579	28.44	PASS
		MCS0	106/53	22	20.54	21.14	24.10	257.040	28.44	PASS
157	5785	MCS0	full	22	23.08	23.56	26.58	454.988	28.44	PASS
		MCS0	26/0	22.5	15	15.1	18.30	67.608	28.44	PASS
		MCS0	26/8	22.5	14.59	15.02	18.06	63.973	28.44	PASS
		MCS0	52/37	22	17.39	17.49	20.69	117.220	28.44	PASS
		MCS0	52/40	22	17.35	17.71	20.78	119.674	28.44	PASS
		MCS0	106/53	22	20.29	20.63	23.71	234.963	28.44	PASS
		MCS0	106/54	22	20.16	20.6	23.63	230.675	28.44	PASS
165	5825	MCS0	full	22	23.05	24.03	26.82	480.839	28.44	PASS
		MCS0	26/8	22.5	14.88	15.15	18.27	67.143	28.44	PASS
		MCS0	52/40	22	17.21	17.63	20.67	116.681	28.44	PASS
		MCS0	106/54	21	19.51	19.75	22.88	194.089	28.44	PASS

802.11ax_HE40_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	14.5	17.36	17.66	20.96	124.738	21.87	PASS
		MCS0	242/61	15	14.61	14.8	18.15	65.313	21.87	PASS
46	5230	MCS0	full	15.5	17.36	17.86	**21.07**	127.938	21.87	PASS
		MCS0	242/62	15.5	14.03	14.57	17.76	59.704	21.87	PASS
54	5270	MCS0	full	15	17.55	18.45	**21.47**	140.281	21.87	PASS
		MCS0	242/61	15.5	14.7	15.52	18.58	72.111	21.87	PASS
62	5310	MCS0	full	15.5	17.92	17.96	21.39	137.721	21.87	PASS
		MCS0	242/62	16	14.88	15.02	18.40	69.183	21.87	PASS
102	5510	MCS0	full	15.5	18.03	18.24	21.58	143.880	21.87	PASS
		MCS0	242/61	16	14.28	15.43	18.34	68.234	21.87	PASS
110	5550	MCS0	full	16.5	17.74	17.78	21.21	132.130	21.87	PASS
		MCS1	242/61	17.5	14.45	15.34	18.37	68.707	21.87	PASS
		MCS2	242/62	17.5	14.83	15.23	18.48	70.469	21.87	PASS
134	5670	MCS3	full	15.5	17.65	18.09	21.32	135.519	21.87	PASS
		MCS0	242/62	16	14.68	15.07	18.33	68.077	21.87	PASS
142	5710(U-NII 2C)	MCS0	full	16.5	18.09	18.23	**21.61**	144.877	21.87	PASS
		MCS0	242/61	17.5	15.26	15.61	18.89	77.446	21.87	PASS
		MCS0	242/62	17	14.89	15.54	18.68	73.790	21.87	PASS
151	5755	MCS0	full	20	21.95	22.21	25.53	357.273	28.44	PASS
		MCS0	242/61	20.5	19.73	19.85	23.24	210.863	28.44	PASS
159	5795	MCS0	full	22.5	23.67	23.71	**27.14**	517.607	28.44	PASS
		MCS0	242/62	22.5	21.06	21.31	24.64	291.072	28.44	PASS

802.11ax_HE80_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	12.5	13.64	13.97	**17.57**	57.148	21.87	PASS
		MCS0	484/65	12.5	10.78	11.28	14.80	30.200	21.87	PASS
58	5290	MCS0	full	13.5	14.57	15.12	**18.61**	72.611	21.87	PASS
		MCS0	484/66	13.5	11.73	12.28	15.77	37.757	21.87	PASS
106	5530	MCS0	full	15.5	16.74	16.84	20.55	113.501	21.87	PASS
		MCS0	484/65	16	13.02	14.31	17.47	55.847	21.87	PASS
138	5690(U-NII 2C)	MCS0	full	17.5	17.94	18.17	21.81	151.705	21.87	PASS
		MCS0	484/65	17	13.58	14.37	17.75	59.566	21.87	PASS
		MCS0	484/66	17.5	15.11	15.93	19.30	85.114	21.87	PASS
155	5775	MCS0	full	18	18.89	19.02	**22.71**	186.638	28.44	PASS
		MCS0	484/65	18	16.24	16.27	20.01	100.231	28.44	PASS
		MCS0	484/66	18	16.2	16.33	20.02	100.462	28.44	PASS

Temperature: 16.5 ~ 24℃ **Test date:** February 10 ~ April 1, 2022

Humidity: 48 ~ 68% RH **Tested by:** Jack Chen

BFM ON- Master

Conducted output power：

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	15.5	17.13	17.25	20.39	109.396	27.89	PASS
44	5220	MCS0	18	18.63	18.84	21.94	156.315	27.89	PASS
48	5240	MCS0	18	18.81	19	**22.11**	162.555	27.89	PASS
52	5260	MCS0	11.5	12.7	13.23	**16.18**	41.495	21.87	PASS
60	5300	MCS0	12	12.74	12.95	16.05	40.272	21.87	PASS
64	5320	MCS0	12	12.69	13.07	16.09	40.644	21.87	PASS
100	5500	MCS0	11.5	12.16	13.02	15.82	38.194	21.87	PASS
116	5580	MCS0	11.5	12.26	12.43	15.55	35.892	21.87	PASS
140	5700	MCS0	12.5	12.63	12.86	**15.95**	39.355	21.87	PASS
144	5720	MCS0	12.5	12.52	12.81	15.87	38.616	21.87	PASS
149	5745	MCS0	19.5	20.38	20.81	**23.80**	239.883	28.44	PASS
157	5785	MCS0	19.5	20.05	20.28	23.37	217.270	28.44	PASS
165	5825	MCS0	19.5	20.33	20.75	23.75	237.137	28.44	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	13.5	14.54	15.2	18.26	66.988	27.89	PASS
46	5230	MCS0	20.5	20.88	21.3	**24.47**	279.898	27.89	PASS
54	5270	MCS0	14	14.72	15.36	**18.43**	69.663	21.87	PASS
62	5310	MCS0	14.5	14.94	15.07	18.38	68.865	21.87	PASS
102	5510	MCS0	13	13.1	13.94	16.92	49.204	21.87	PASS
110	5550	MCS0	15.5	14.37	14.92	18.03	63.533	21.87	PASS
134	5670	MCS0	14	14.27	14.73	17.88	61.376	21.87	PASS
142	5710	MCS0	15	14.58	14.81	**18.08**	64.222	21.87	PASS
151	5755	MCS0	21	21.3	21.74	**24.90**	309.030	28.44	PASS
159	5795	MCS0	21	21.27	21.39	24.71	295.801	28.44	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	10	11.65	12.12	**15.62**	36.475	27.89	PASS
58	5290	MCS0	11.5	13.04	13.4	**16.95**	49.545	21.87	PASS
106	5530	MCS0	11.5	12.32	13.06	16.43	43.954	21.87	PASS
138	5690	MCS0	14	14.60	15.31	**18.70**	74.127	21.87	PASS
155	5775	MCS0	15	16.14	16.2	**19.90**	97.724	28.44	PASS

802.11ax_HE20_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	13.5	16.35	16.8	19.83	96.161	27.89	PASS
44	5220	MCS0	full	16.5	18.77	18.91	22.09	161.808	27.89	PASS
48	5240	MCS0	full	16.5	18.87	19.14	**22.26**	168.267	27.89	PASS
52	5260	MCS0	full	10	12.85	13.4	16.38	43.451	21.87	PASS
60	5300	MCS0	full	11	13.45	13.56	**16.75**	47.315	21.87	PASS
64	5320	MCS0	full	10.5	12.93	13.26	16.35	43.152	21.87	PASS
100	5500	MCS0	full	10	12.53	13.37	16.22	41.879	21.87	PASS
116	5580	MCS0	full	10	12.45	12.62	15.78	37.844	21.87	PASS
140	5700	MCS0	full	11.5	13.33	13.54	**16.68**	46.559	21.87	PASS
144	5720	MCS0	full	11	12.71	12.95	16.08	40.569	21.87	PASS
149	5745	MCS0	full	18.5	20.75	21.38	**24.33**	271.019	28.44	PASS
157	5785	MCS0	full	18	20.18	20.54	23.61	229.615	28.44	PASS
165	5825	MCS0	full	18	20.48	20.99	23.99	250.611	28.44	PASS

802.11ax_HE40_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	11.5	14.13	14.74	17.89	61.518	27.89	PASS
46	5230	MCS0	full	19	20.95	21.39	**24.62**	289.734	27.89	PASS
54	5270	MCS0	full	12.5	14.8	15.5	**18.61**	72.611	21.87	PASS
62	5310	MCS0	full	12.5	14.53	14.69	18.06	63.973	21.87	PASS
102	5510	MCS0	full	12.5	14.32	15.11	18.18	65.766	21.87	PASS
110	5550	MCS0	full	14	14.47	15.07	18.23	65.766	21.87	PASS
134	5670	MCS0	full	12.5	14.36	14.85	18.06	63.973	21.87	PASS
142	5710	MCS0	full	13.5	14.78	14.93	**18.31**	67.701	21.87	PASS
151	5755	MCS0	full	17	19.24	19.45	22.79	190.108	28.44	PASS
159	5795	MCS0	full	19	20.96	21.05	**24.45**	278.612	28.44	PASS

802.11ax_HE80_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	9.5	10.83	11.42	**14.89**	30.832	27.89	PASS
58	5290	MCS0	full	10.5	11.66	12.01	**15.60**	36.308	21.87	PASS
106	5530	MCS0	full	13	13.4	14.13	17.54	56.754	21.87	PASS
138	5690	MCS0	full	14	14.43	14.99	**18.48**	70.458	21.87	PASS
155	5775	MCS0	full	15	15.92	16.02	**19.73**	93.972	28.44	PASS

Temperature: 16.5 ~ 24℃ **Test date:** February 10 ~ April 1, 2022

Humidity: 48 ~ 68% RH **Tested by:** Jack Chen

BFM ON- Slave

Conducted output power：

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	11	12.37	13.18	16.00	39.811	21.87	PASS
44	5220	MCS0	12	12.64	12.99	16.02	39.994	21.87	PASS
48	5240	MCS0	12	12.74	13.15	**16.15**	41.210	21.87	PASS
52	5260	MCS0	11.5	12.58	13.19	**16.10**	40.738	21.87	PASS
60	5300	MCS0	12	12.66	12.84	15.95	39.355	21.87	PASS
64	5320	MCS0	12	12.61	13	16.01	39.902	21.87	PASS
100	5500	MCS0	11.5	12.11	12.96	15.76	37.670	21.87	PASS
116	5580	MCS0	11.5	12.2	12.35	15.48	35.318	21.87	PASS
140	5700	MCS0	12.5	12.54	12.84	**15.90**	38.905	21.87	PASS
144	5720	MCS0	12.5	12.43	12.72	15.78	37.824	21.87	PASS
149	5745	MCS0	19	19.92	20.27	**23.30**	213.796	28.44	PASS
157	5785	MCS0	19	19.6	19.84	22.93	196.336	28.44	PASS
165	5825	MCS0	19	19.8	20.29	23.26	211.836	28.44	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	13.5	14.48	15.14	**18.20**	66.069	21.87	PASS
46	5230	MCS0	14	14.21	14.54	17.76	59.704	21.87	PASS
54	5270	MCS0	13.5	14.26	14.87	**17.95**	62.373	21.87	PASS
62	5310	MCS0	14	14.32	14.53	17.80	60.256	21.87	PASS
102	5510	MCS0	13	13.08	13.91	16.89	48.865	21.87	PASS
110	5550	MCS0	15.5	14.23	14.96	**17.99**	62.951	21.87	PASS
134	5670	MCS0	14	14.21	14.72	17.85	60.954	21.87	PASS
142	5710	MCS0	15	14.42	14.67	17.93	62.045	21.87	PASS
151	5755	MCS0	21	21.28	21.63	**24.84**	304.789	28.44	PASS
159	5795	MCS0	20.5	20.83	20.93	24.26	266.686	28.44	PASS

802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	10	11.6	12.09	**15.58**	36.141	21.87	PASS
58	5290	MCS0	11.5	13.01	13.38	**16.92**	49.204	21.87	PASS
106	5530	MCS0	11.5	12.3	13.02	16.40	43.652	21.87	PASS
138	5690	MCS0	13.5	14.18	14.78	18.22	66.384	21.87	PASS
155	5775	MCS0	14.5	15.75	15.82	**19.51**	89.331	28.44	PASS

802.11ax_HE20_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	9.5	12.64	13.31	16.24	42.073	21.87	PASS
44	5220	MCS0	full	10.5	12.57	13.23	16.16	41.305	21.87	PASS
48	5240	MCS0	full	10.5	12.84	13.24	**16.29**	42.560	21.87	PASS
52	5260	MCS0	full	10	12.76	13.37	16.32	42.855	21.87	PASS
60	5300	MCS0	full	10.5	13.02	13.24	**16.38**	43.451	21.87	PASS
64	5320	MCS0	full	10.5	12.91	13.25	16.33	42.954	21.87	PASS
100	5500	MCS0	full	10	12.51	13.34	16.19	41.591	21.87	PASS
116	5580	MCS0	full	10	12.42	12.6	15.76	37.670	21.87	PASS
140	5700	MCS0	full	11.5	13.31	13.46	**16.63**	46.026	21.87	PASS
144	5720	MCS0	full	11	12.62	12.89	16.01	39.879	21.87	PASS
149	5745	MCS0	full	18	20.3	20.96	**23.89**	244.906	28.44	PASS
157	5785	MCS0	full	18	20.15	20.49	23.57	227.510	28.44	PASS
165	5825	MCS0	full	17.5	20.06	20.49	23.53	225.424	28.44	PASS

802.11ax_HE40_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	11.5	14.1	14.7	17.86	61.094	21.87	PASS
46	5230	MCS0	full	12.5	14.31	14.8	**18.01**	63.241	21.87	PASS
54	5270	MCS0	full	12	14.31	14.98	**18.11**	64.714	21.87	PASS
62	5310	MCS0	full	12.5	14.46	14.58	17.97	62.661	21.87	PASS
102	5510	MCS0	full	12.5	14.29	15.07	18.15	65.313	21.87	PASS
110	5550	MCS0	full	14	14.43	15	18.17	65.313	21.87	PASS
134	5670	MCS0	full	12.5	14.36	14.79	18.03	63.533	21.87	PASS
142	5710	MCS0	full	13.5	14.73	14.90	**18.27**	67.083	21.87	PASS
151	5755	MCS0	full	16.5	18.78	18.97	22.32	170.608	28.44	PASS
159	5795	MCS0	full	18.5	20.56	20.58	**24.02**	252.348	28.44	PASS

802.11ax_HE80_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	9	10.22	10.94	**14.35**	27.227	21.87	PASS
58	5290	MCS0	full	10.5	11.54	11.98	**15.52**	35.645	21.87	PASS
106	5530	MCS0	full	13	13.39	14.12	17.53	56.624	21.87	PASS
138	5690	MCS0	full	14	14.40	14.94	**18.44**	69.802	21.87	PASS
155	5775	MCS0	full	15	15.89	15.98	**19.69**	93.111	28.44	PASS

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

UNII-1 :

The maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. For client devices, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

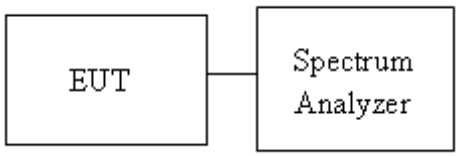
UNII-1 Limit	☐ Antenna not exceed 6 dBi：17 dBm/MHz ☒ Antenna with DG greater than 6 dBi： [Limit = 17 – (DG – 6) dBm/MHz]
UNII-1 Limit (For client devices)	☐ Antenna not exceed 6 dBi：11 dBm/MHz ☒ Antenna with DG greater than 6 dBi： [Limit = 11 – (DG – 6) dBm/MHz]
UNII-2a Limit	☒ Antenna not exceed 6 dBi：11 dBm/MHz ☐ Antenna with DG greater than 6 dBi： [Limit = 11 – (DG – 6)]
UNII-2c Limit	☒ Antenna not exceed 6 dBi：11 dBm/MHz ☐ Antenna with DG greater than 6 dBi： [Limit = 11 – (DG – 6)]
UNII-3 Limit	☐ Antenna not exceed 6 dBi：30 dBm/500kHz ☒ Antenna with DG greater than 6 dBi： [Limit = 30 – (DG – 6) dBm/500kHz]

4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup



4.4.4 Test Result

Temperature: 16.5 ~ 23.6℃ **Test date:** February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH **Tested by:** Jack Chen

BFM OFF- Master

POWER DENSITY 802.11a MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	10.477	10.888	0.18	13.88		14.89 dBm/MHz	-1.01
5220	11.133	11.164	0.18	14.34		14.89 dBm/MHz	-0.55
5240	11.359	11.088	0.18	14.42		14.89 dBm/MHz	-0.47
5260	5.995	5.322	0.18	8.86		8.89 dBm/MHz	-0.03
5300	5.525	5.460	0.18	8.68		8.89 dBm/MHz	-0.21
5320	5.655	5.499	0.18	8.77		8.89 dBm/MHz	-0.12
5500	4.721	5.980	0.18	8.59		8.89 dBm/MHz	-0.30
5580	5.540	5.701	0.18	8.81		8.89 dBm/MHz	-0.08
5700	5.490	5.822	0.18	8.85		8.89 dBm/MHz	-0.04
5720 (U-NII 2C)	5.690	5.516	0.18	8.79		8.89 dBm/MHz	-0.10
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-0.999	-0.737	0.18	2.22	4.54	28.44 dBm/500kHz	-23.90
5745	7.544	8.231	0.18	2.22	13.31	28.44 dBm/500kHz	-15.13
5785	7.316	7.675	0.18	2.22	12.91	28.44 dBm/500kHz	-15.53
5825	7.044	8.057	0.18	2.22	12.99	28.44 dBm/500kHz	-15.45

POWER DENSITY 802.11ac VHT20 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	9.604	9.693	0.19	12.85		14.89 dBm/MHz	-2.04
5220	11.242	11.009	0.19	14.33		14.89 dBm/MHz	-0.56
5240	11.260	10.972	0.19	14.32		14.89 dBm/MHz	-0.57
5260	5.903	4.729	0.19	8.56		8.89 dBm/MHz	-0.33
5300	5.575	5.147	0.19	8.57		8.89 dBm/MHz	-0.32
5320	5.448	5.902	0.19	8.88		8.89 dBm/MHz	-0.01
5500	4.539	5.631	0.19	8.32		8.89 dBm/MHz	-0.57
5580	5.738	5.261	0.19	8.71		8.89 dBm/MHz	-0.18
5700	5.387	5.572	0.19	8.68		8.89 dBm/MHz	-0.21
5720 (U-NII 2C)	5.226	5.564	0.19	8.60		8.89 dBm/MHz	-0.29
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-0.658	-0.787	0.19	2.22	4.70	28.44 dBm/500kHz	-23.74
5745	7.413	8.644	0.19	2.22	13.49	28.44 dBm/500kHz	-14.95
5785	7.627	8.501	0.19	2.22	13.51	28.44 dBm/500kHz	-14.93
5825	7.547	8.447	0.19	2.22	13.44	28.44 dBm/500kHz	-15.00

POWER DENSITY 802.11ac VHT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	4.942	5.272	0.37	8.49		14.89 dBm/MHz	-6.40
5230	11.953	10.170	0.37	14.53		14.89 dBm/MHz	-0.36
5270	5.664	4.426	0.37	8.47		8.89 dBm/MHz	-0.42
5310	4.989	5.044	0.37	8.40		8.89 dBm/MHz	-0.49
5510	3.532	3.754	0.37	7.02		8.89 dBm/MHz	-1.87
5550	5.260	5.070	0.37	8.55		8.89 dBm/MHz	-0.34
5670	4.755	5.698	0.37	8.63		8.89 dBm/MHz	-0.26
5710 (U-NII 2C)	4.928	5.120	0.37	8.41		8.89 dBm/MHz	-0.48
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-4.493	-6.522	0.37	2.22	0.21	28.44 dBm/500kHz	-28.23
5755	6.817	7.089	0.37	2.22	12.56	28.44 dBm/500kHz	-15.88
5795	6.749	6.608	0.37	2.22	12.28	28.44 dBm/500kHz	-16.16

POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5210	-0.659	-0.801	0.72	3.00		14.89 dBm/MHz	-11.89
5290	-0.930	-1.450	0.72	2.55		8.89 dBm/MHz	-6.34
5530	-1.743	-1.072	0.72	2.34		8.89 dBm/MHz	-6.55
5690 (U-NII 2C)	2.325	2.827	0.72	6.31		8.89 dBm/MHz	-2.58
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5690 (U-NII 3)	-7.504	-6.604	0.72	2.22	-1.08	28.44 dBm/500kHz	-29.52
5775	-1.261	-1.347	0.72	2.22	4.65	28.44 dBm/500kHz	-23.79

POWER DENSITY 802.11ax HE20 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5180	full	9.057	9.112	0.24	12.33	14.89 dBm/MHz	-2.56
	26/0	8.377	9.115	0.24	12.01	14.89 dBm/MHz	-2.88
	52/37	8.600	9.330	0.24	12.23	14.89 dBm/MHz	-2.66
	106/53	8.839	9.101	0.24	12.22	14.89 dBm/MHz	-2.67
5220	full	11.650	10.905	0.24	14.54	14.89 dBm/MHz	-0.35
	26/0	10.936	11.572	0.24	14.52	14.89 dBm/MHz	-0.37
	26/8	10.885	11.046	0.24	14.22	14.89 dBm/MHz	-0.67
	52/37	10.849	11.245	0.24	14.30	14.89 dBm/MHz	-0.59
	52/40	10.896	10.969	0.24	14.18	14.89 dBm/MHz	-0.71
	106/53	11.275	10.399	0.24	14.11	14.89 dBm/MHz	-0.78
	106/54	10.810	10.768	0.24	14.04	14.89 dBm/MHz	-0.85
5240	full	11.502	11.185	0.24	14.60	14.89 dBm/MHz	-0.29
	26/8	11.027	11.500	0.24	14.52	14.89 dBm/MHz	-0.37
	52/40	11.339	10.595	0.24	14.23	14.89 dBm/MHz	-0.66
	106/54	11.616	11.051	0.24	14.59	14.89 dBm/MHz	-0.30
5260	full	5.731	5.267	0.24	8.76	8.89 dBm/MHz	-0.13
	26/0	5.682	5.052	0.24	8.63	8.89 dBm/MHz	-0.26
	52/37	5.450	5.332	0.24	8.64	8.89 dBm/MHz	-0.25
	106/53	5.684	4.693	0.24	8.47	8.89 dBm/MHz	-0.42
5300	full	5.678	5.307	0.24	8.75	8.89 dBm/MHz	-0.14
	26/0	5.020	5.482	0.24	8.51	8.89 dBm/MHz	-0.38
	26/8	5.305	5.606	0.24	8.71	8.89 dBm/MHz	-0.18
	52/37	5.299	4.782	0.24	8.30	8.89 dBm/MHz	-0.59
	52/40	5.392	5.012	0.24	8.46	8.89 dBm/MHz	-0.43
	106/53	5.261	5.343	0.24	8.55	8.89 dBm/MHz	-0.34
	106/54	5.260	5.465	0.24	8.61	8.89 dBm/MHz	-0.28
5320	full	5.778	5.175	0.24	8.74	8.89 dBm/MHz	-0.15
	26/8	5.111	5.223	0.24	8.42	8.89 dBm/MHz	-0.47
	52/40	4.966	5.277	0.24	8.37	8.89 dBm/MHz	-0.52
	106/54	5.248	5.185	0.24	8.47	8.89 dBm/MHz	-0.42

5500	full	5.160	5.974	0.24	8.84		8.89 dBm/MHz	-0.05
	26/0	4.950	5.484	0.24	8.48		8.89 dBm/MHz	-0.41
	52/37	5.005	5.495	0.24	8.51		8.89 dBm/MHz	-0.38
	106/53	4.542	5.790	0.24	8.46		8.89 dBm/MHz	-0.43
5580	full	4.944	5.520	0.24	8.49		8.89 dBm/MHz	-0.40
	26/0	5.339	4.982	0.24	8.41		8.89 dBm/MHz	-0.48
	26/8	5.297	4.747	0.24	8.28		8.89 dBm/MHz	-0.61
	52/37	4.977	4.742	0.24	8.11		8.89 dBm/MHz	-0.78
	52/40	4.879	4.676	0.24	8.03		8.89 dBm/MHz	-0.86
	106/53	5.014	4.698	0.24	8.11		8.89 dBm/MHz	-0.78
	106/54	5.340	4.355	0.24	8.13		8.89 dBm/MHz	-0.76
5700	full	5.537	5.543	0.24	8.79		8.89 dBm/MHz	-0.10
	26/8	5.177	5.777	0.24	8.74		8.89 dBm/MHz	-0.15
	52/40	5.095	5.714	0.24	8.67		8.89 dBm/MHz	-0.22
	106/54	5.048	5.378	0.24	8.47		8.89 dBm/MHz	-0.42
5720	full	5.239	5.403	0.24	8.57		8.89 dBm/MHz	-0.32
	26/0	5.181	5.124	0.24	8.40		8.89 dBm/MHz	-0.49
	26/8	5.105	5.324	0.24	8.47		8.89 dBm/MHz	-0.42
	52/37	4.862	5.207	0.24	8.29		8.89 dBm/MHz	-0.60
	52/40	5.298	5.206	0.24	8.50		8.89 dBm/MHz	-0.39
	106/53	4.522	5.201	0.24	8.13		8.89 dBm/MHz	-0.76
	106/54	5.276	5.105	0.24	8.44		8.89 dBm/MHz	-0.45
Frequency (MHz)	**RU config.**	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5745	full	8.112	9.101	0.24	2.22	14.10	28.44 dBm/500kHz	-14.34
	26/0	8.406	8.742	0.24	2.22	14.05	28.44 dBm/500kHz	-14.39
	52/37	8.239	8.339	0.24	2.22	13.76	28.44 dBm/500kHz	-14.68
	106/53	8.070	8.650	0.24	2.22	13.84	28.44 dBm/500kHz	-14.60
5785	full	8.035	8.584	0.24	2.22	13.79	28.44 dBm/500kHz	-14.65
	26/0	8.011	8.034	0.24	2.22	13.49	28.44 dBm/500kHz	-14.95
	26/8	7.493	8.118	0.24	2.22	13.29	28.44 dBm/500kHz	-15.15
	52/37	7.700	8.255	0.24	2.22	13.46	28.44 dBm/500kHz	-14.98
	52/40	7.794	8.384	0.24	2.22	13.57	28.44 dBm/500kHz	-14.87
	106/53	7.556	8.508	0.24	2.22	13.53	28.44 dBm/500kHz	-14.91
	106/54	7.795	8.161	0.24	2.22	13.45	28.44 dBm/500kHz	-14.99
5825	full	7.250	8.805	0.24	2.22	13.57	28.44 dBm/500kHz	-14.87
	26/8	7.455	7.967	0.24	2.22	13.19	28.44 dBm/500kHz	-15.25
	52/40	7.580	8.079	0.24	2.22	13.31	28.44 dBm/500kHz	-15.13
	106/54	7.856	8.085	0.24	2.22	13.44	28.44 dBm/500kHz	-15.00

POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	4.462	4.807	0.44	8.09		14.89 dBm/MHz	-6.80
	242/61	4.229	4.866	0.44	8.01		14.89 dBm/MHz	-6.88
5230	full	11.607	11.107	0.44	14.81		14.89 dBm/MHz	-0.08
	242/62	11.168	10.891	0.44	14.48		14.89 dBm/MHz	-0.41
5270	full	5.086	5.282	0.44	8.64		8.89 dBm/MHz	-0.25
	242/61	5.621	4.544	0.44	8.57		8.89 dBm/MHz	-0.32
5310	full	5.017	4.847	0.44	8.38		8.89 dBm/MHz	-0.51
	242/62	4.851	4.887	0.44	8.32		8.89 dBm/MHz	-0.57
5510	full	5.066	5.152	0.44	8.56		8.89 dBm/MHz	-0.33
	242/61	4.161	5.170	0.44	8.15		8.89 dBm/MHz	-0.74
5550	full	5.394	4.864	0.44	8.59		8.89 dBm/MHz	-0.30
	242/61	4.188	5.256	0.44	8.21		8.89 dBm/MHz	-0.68
	242/62	4.612	5.019	0.44	8.27		8.89 dBm/MHz	-0.62
5670	full	5.000	5.099	0.44	8.50		8.89 dBm/MHz	-0.39
	242/62	4.855	4.944	0.44	8.35		8.89 dBm/MHz	-0.54
5710	full	5.379	4.947	0.44	8.62		8.89 dBm/MHz	-0.27
	242/61	4.429	5.254	0.44	8.31		8.89 dBm/MHz	-0.58
	242/62	4.670	5.085	0.44	8.33		8.89 dBm/MHz	-0.56
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5755	full	4.296	4.503	0.44	2.22	10.07	28.44 dBm/500kHz	-18.37
	242/61	3.777	4.575	0.44	2.22	9.86	28.44 dBm/500kHz	-18.58
5795	full	6.255	6.825	0.44	2.22	12.22	28.44 dBm/500kHz	-16.22
	242/62	5.911	6.482	0.44	2.22	11.88	28.44 dBm/500kHz	-16.56

POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-1.910	-1.752	0.75	1.93		14.89 dBm/MHz	-12.96
	484/65	-1.854	-1.846	0.75	1.91		14.89 dBm/MHz	-12.98
5290	full	-0.367	-1.112	0.75	3.04		8.89 dBm/MHz	-5.85
	484/66	-0.714	-1.369	0.75	2.73		8.89 dBm/MHz	-6.16
5530	full	1.399	1.251	0.75	5.09		8.89 dBm/MHz	-3.80
	484/65	0.512	1.296	0.75	4.68		8.89 dBm/MHz	-4.21
5690	full	2.397	2.942	0.75	6.44		8.89 dBm/MHz	-2.45
	484/65	1.555	2.790	0.75	5.98		8.89 dBm/MHz	-2.91
	484/66	2.106	3.107	0.75	6.40		8.89 dBm/MHz	-8.89
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5775	full	-1.753	-1.110	0.75	2.22	4.56	28.44 dBm/500kHz	-23.88
	484/65	-2.371	-1.599	0.75	2.22	4.01	28.44 dBm/500kHz	-24.43
	484/66	-1.618	-1.527	0.75	2.22	4.41	28.44 dBm/500kHz	-24.03

Temperature: 16.5 ~ 23.6℃ **Test date:** February 10 ~ March 7, 2022

Humidity: 53 ~ 68% RH **Tested by:** Jack Chen

BFM OFF- Slave

POWER DENSITY 802.11a MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5180	5.031	5.835	0.18	8.64		8.89 dBm/MHz	-0.25
5220	5.151	5.692	0.18	8.62		8.89 dBm/MHz	-0.27
5240	5.514	5.423	0.18	8.66		8.89 dBm/MHz	-0.23
5260	6.028	5.011	0.18	8.74		8.89 dBm/MHz	-0.15
5300	4.856	5.576	0.18	8.42		8.89 dBm/MHz	-0.47
5320	5.519	5.739	0.18	8.82		8.89 dBm/MHz	-0.07
5500	5.207	5.734	0.18	8.67		8.89 dBm/MHz	-0.22
5580	5.657	5.281	0.18	8.66		8.89 dBm/MHz	-0.23
5700	5.373	5.630	0.18	8.69		8.89 dBm/MHz	-0.20
5720 (U-NII 2C)	4.919	5.892	0.18	8.62		8.89 dBm/MHz	-0.27
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD (dBm/500kHz)**	**Limit**	**Margin (dB)**
5720 (U-NII 3)	-1.842	-0.768	0.18	2.22	4.14	28.44 dBm/500kHz	-24.30
5745	7.867	8.429	0.18	2.22	13.57	28.44 dBm/500kHz	-14.87
5785	7.534	8.332	0.18	2.22	13.36	28.44 dBm/500kHz	-15.08
5825	7.600	8.675	0.18	2.22	13.58	28.44 dBm/500kHz	-14.86

POWER DENSITY 802.11ac VHT20 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	4.929	5.469	0.19	8.41		8.89 dBm/MHz	-0.48
5220	5.232	5.839	0.19	8.75		8.89 dBm/MHz	-0.14
5240	5.355	5.615	0.19	8.69		8.89 dBm/MHz	-0.20
5260	6.072	5.092	0.19	8.81		8.89 dBm/MHz	-0.08
5300	5.610	5.489	0.19	8.75		8.89 dBm/MHz	-0.14
5320	5.657	5.592	0.19	8.82		8.89 dBm/MHz	-0.07
5500	4.840	5.942	0.19	8.63		8.89 dBm/MHz	-0.26
5580	5.394	5.624	0.19	8.71		8.89 dBm/MHz	-0.18
5700	4.484	5.416	0.19	8.18		8.89 dBm/MHz	-0.71
5720 (U-NII 2C)	5.141	5.521	0.19	8.54		8.89 dBm/MHz	-0.35
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-1.209	-1.417	0.19	2.22	4.11	28.44 dBm/500kHz	-24.33
5745	7.887	8.259	0.19	2.22	13.50	28.44 dBm/500kHz	-14.94
5785	7.866	8.451	0.19	2.22	13.59	28.44 dBm/500kHz	-14.85
5825	7.563	8.227	0.19	2.22	13.33	28.44 dBm/500kHz	-15.11

POWER DENSITY 802.11ac VHT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	5.280	5.362	0.37	8.70		8.89 dBm/MHz	-0.19
5230	5.432	5.576	0.37	8.88		8.89 dBm/MHz	-0.01
5270	5.802	4.871	0.37	8.74		8.89 dBm/MHz	-0.15
5310	5.057	5.304	0.37	8.56		8.89 dBm/MHz	-0.33
5510	2.867	4.102	0.37	6.91		8.89 dBm/MHz	-1.98
5550	5.000	5.109	0.37	8.44		8.89 dBm/MHz	-0.45
5670	4.627	5.569	0.37	8.50		8.89 dBm/MHz	-0.39
5710 (U-NII 2C)	4.753	4.659	0.37	8.09		8.89 dBm/MHz	-0.80
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-4.467	-5.284	0.37	2.22	0.74	28.44 dBm/500kHz	-27.70
5755	6.397	6.911	0.37	2.22	12.26	28.44 dBm/500kHz	-16.18
5795	6.682	6.710	0.37	2.22	12.30	28.44 dBm/500kHz	-16.14

POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5210	-1.016	-0.372	0.72	3.05		8.89 dBm/MHz	-5.84
5290	-1.200	-1.158	0.72	2.55		8.89 dBm/MHz	-6.34
5530	-1.650	-0.772	0.72	2.54		8.89 dBm/MHz	-6.35
5690 (U-NII 2C)	2.354	2.526	0.72	6.17		8.89 dBm/MHz	-2.72
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5690 (U-NII 3)	-7.713	-8.607	0.72	2.22	-2.19	28.44 dBm/500kHz	-30.63
5775	-1.259	-1.243	0.72	2.22	4.70	28.44 dBm/500kHz	-23.74

POWER DENSITY 802.11ax HE20 MODE							
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)
5180	full	5.143	5.788	0.24	8.73	8.89 dBm/MHz	-0.16
	26/0	4.838	5.270	0.24	8.31	8.89 dBm/MHz	-0.58
	52/37	5.106	5.668	0.24	8.65	8.89 dBm/MHz	-0.24
	106/53	5.057	5.523	0.24	8.55	8.89 dBm/MHz	-0.34
5220	full	5.137	5.923	0.24	8.80	8.89 dBm/MHz	-0.09
	26/0	5.078	5.419	0.24	8.50	8.89 dBm/MHz	-0.39
	26/8	4.897	5.693	0.24	8.56	8.89 dBm/MHz	-0.33
	52/37	4.499	5.621	0.24	8.35	8.89 dBm/MHz	-0.54
	52/40	4.766	5.373	0.24	8.33	8.89 dBm/MHz	-0.56
	106/53	4.894	5.713	0.24	8.57	8.89 dBm/MHz	-0.32
	106/54	4.689	5.485	0.24	8.36	8.89 dBm/MHz	-0.53
5240	full	5.077	5.621	0.24	8.61	8.89 dBm/MHz	-0.28
	26/8	4.723	5.317	0.24	8.28	8.89 dBm/MHz	-0.61
	52/40	4.604	5.128	0.24	8.12	8.89 dBm/MHz	-0.77
	106/54	5.173	5.472	0.24	8.58	8.89 dBm/MHz	-0.31
5260	full	5.942	4.931	0.24	8.72	8.89 dBm/MHz	-0.17
	26/0	5.453	5.084	0.24	8.52	8.89 dBm/MHz	-0.37
	52/37	5.795	4.459	0.24	8.43	8.89 dBm/MHz	-0.46
	106/53	5.668	5.005	0.24	8.60	8.89 dBm/MHz	-0.29
5300	full	5.568	5.072	0.24	8.58	8.89 dBm/MHz	-0.31
	26/0	4.068	6.034	0.24	8.41	8.89 dBm/MHz	-0.48
	26/8	5.226	5.220	0.24	8.47	8.89 dBm/MHz	-0.42
	52/37	4.801	4.987	0.24	8.15	8.89 dBm/MHz	-0.74
	52/40	5.277	5.167	0.24	8.47	8.89 dBm/MHz	-0.42
	106/53	5.097	5.332	0.24	8.47	8.89 dBm/MHz	-0.42
	106/54	5.290	4.646	0.24	8.23	8.89 dBm/MHz	-0.66
5320	full	5.585	5.479	0.24	8.78	8.89 dBm/MHz	-0.11
	26/8	5.032	5.693	0.24	8.63	8.89 dBm/MHz	-0.26
	52/40	5.473	5.385	0.24	8.68	8.89 dBm/MHz	-0.21
	106/54	4.865	5.629	0.24	8.19	8.89 dBm/MHz	-0.70

5500	full	5.158	6.004	0.24	8.85		8.89 dBm/MHz	-0.04
	26/0	4.977	5.841	0.24	8.68		8.89 dBm/MHz	-0.21
	52/37	4.907	6.151	0.24	8.82		8.89 dBm/MHz	-0.07
	106/53	5.088	5.473	0.24	8.54		8.89 dBm/MHz	-0.35
5580	full	4.773	5.155	0.24	8.22		8.89 dBm/MHz	-0.67
	26/0	4.763	4.798	0.24	8.03		8.89 dBm/MHz	-0.86
	26/8	4.569	4.902	0.24	7.99		8.89 dBm/MHz	-0.90
	52/37	4.267	4.810	0.24	7.80		8.89 dBm/MHz	-1.09
	52/40	4.669	4.917	0.24	8.05		8.89 dBm/MHz	-0.84
	106/53	4.987	4.889	0.24	8.19		8.89 dBm/MHz	-0.70
	106/54	4.617	4.837	0.24	7.98		8.89 dBm/MHz	-0.91
5700	full	5.533	5.659	0.24	8.85		8.89 dBm/MHz	-0.04
	26/8	5.245	5.349	0.24	8.55		8.89 dBm/MHz	-0.34
	52/40	5.087	5.537	0.24	8.57		8.89 dBm/MHz	-0.32
	106/54	5.402	5.530	0.24	8.72		8.89 dBm/MHz	-0.17
5720	full	5.649	5.186	0.24	8.67		8.89 dBm/MHz	-0.22
	26/0	4.920	5.510	0.24	8.48		8.89 dBm/MHz	-0.41
	26/8	4.345	5.576	0.24	8.25		8.89 dBm/MHz	-0.64
	52/37	5.154	4.985	0.24	8.32		8.89 dBm/MHz	-0.57
	52/40	5.124	5.039	0.24	8.33		8.89 dBm/MHz	-0.56
	106/53	5.225	5.437	0.24	8.58		8.89 dBm/MHz	-0.31
	106/54	5.236	5.562	0.24	8.65		8.89 dBm/MHz	-0.24
Frequency (MHz)	**RU config.**	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5745	full	7.871	9.242	0.24	2.22	14.08	28.44 dBm/500kHz	-14.36
	26/0	8.155	8.805	0.24	2.22	13.96	28.44 dBm/500kHz	-14.48
	52/37	8.197	8.847	0.24	2.22	14.00	28.44 dBm/500kHz	-14.44
	106/53	8.279	8.842	0.24	2.22	14.04	28.44 dBm/500kHz	-14.40
5785	full	7.744	8.441	0.24	2.22	13.58	28.44 dBm/500kHz	-14.86
	26/0	7.902	8.025	0.24	2.22	13.43	28.44 dBm/500kHz	-15.01
	26/8	7.855	8.024	0.24	2.22	13.41	28.44 dBm/500kHz	-15.03
	52/37	7.860	7.755	0.24	2.22	13.28	28.44 dBm/500kHz	-15.16
	52/40	7.705	8.003	0.24	2.22	13.33	28.44 dBm/500kHz	-15.11
	106/53	7.595	8.320	0.24	2.22	13.44	28.44 dBm/500kHz	-15.00
	106/54	8.010	7.723	0.24	2.22	13.34	28.44 dBm/500kHz	-15.10
5825	full	7.908	8.714	0.24	2.22	13.80	28.44 dBm/500kHz	-14.64
	26/8	7.687	8.298	0.24	2.22	13.47	28.44 dBm/500kHz	-14.97
	52/40	7.799	8.109	0.24	2.22	13.43	28.44 dBm/500kHz	-15.01
	106/54	7.282	8.414	0.24	2.22	13.36	28.44 dBm/500kHz	-15.08

POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	5.006	4.546	0.44	8.23		8.89 dBm/MHz	-0.66
	242/61	4.414	4.943	0.44	8.14		8.89 dBm/MHz	-0.75
5230	full	4.906	4.662	0.44	8.24		8.89 dBm/MHz	-0.65
	242/62	4.018	5.155	0.44	8.07		8.89 dBm/MHz	-0.82
5270	full	5.481	5.194	0.44	8.79		8.89 dBm/MHz	-0.10
	242/61	5.304	4.462	0.44	8.35		8.89 dBm/MHz	-0.54
5310	full	4.973	5.082	0.44	8.48		8.89 dBm/MHz	-0.41
	242/62	4.753	4.794	0.44	8.22		8.89 dBm/MHz	-0.67
5510	full	5.089	5.212	0.44	8.60		8.89 dBm/MHz	-0.29
	242/61	4.270	5.783	0.44	8.54		8.89 dBm/MHz	-0.35
5550	full	5.139	4.851	0.44	8.45		8.89 dBm/MHz	-0.44
	242/61	4.450	4.842	0.44	8.10		8.89 dBm/MHz	-0.79
	242/62	4.349	4.854	0.44	8.06		8.89 dBm/MHz	-0.83
5670	full	4.976	5.396	0.44	8.64		8.89 dBm/MHz	-0.25
	242/62	4.696	4.810	0.44	8.20		8.89 dBm/MHz	-0.69
5710	full	5.359	5.284	0.44	8.77		8.89 dBm/MHz	-0.12
	242/61	4.913	5.127	0.44	8.47		8.89 dBm/MHz	-0.42
	242/62	4.575	5.195	0.44	8.35		8.89 dBm/MHz	-0.54
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5755	full	4.637	4.709	0.44	2.22	10.34	28.44 dBm/500kHz	-18.10
	242/61	3.615	4.901	0.44	2.22	9.98	28.44 dBm/500kHz	-18.46
5795	full	6.491	6.614	0.44	2.22	12.22	28.44 dBm/500kHz	-16.22
	242/62	6.296	6.657	0.44	2.22	12.15	28.44 dBm/500kHz	-16.29

POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-1.573	-1.753	0.75	2.10		8.89 dBm/MHz	-6.79
	484/65	-1.861	-1.631	0.75	2.02		8.89 dBm/MHz	-6.87
5290	full	-0.053	-1.099	0.75	3.22		8.89 dBm/MHz	-5.67
	484/66	-0.631	-1.368	0.75	2.78		8.89 dBm/MHz	-6.11
5530	full	1.205	0.759	0.75	4.75		8.89 dBm/MHz	-4.14
	484/65	0.421	1.460	0.75	4.73		8.89 dBm/MHz	-4.16
5690	full	2.251	3.051	0.75	6.43		8.89 dBm/MHz	-2.46
	484/65	1.933	2.386	0.75	5.93		8.89 dBm/MHz	-2.96
	484/66	1.867	2.945	0.75	6.20		8.89 dBm/MHz	-8.89
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5775	full	-1.378	-1.330	0.75	2.22	4.63	28.44 dBm/500kHz	-23.81
	484/65	-1.954	-1.568	0.75	2.22	4.22	28.44 dBm/500kHz	-24.22
	484/66	-1.569	-1.692	0.75	2.22	4.35	28.44 dBm/500kHz	-24.09

Temperature: 16.5 ~ 24℃ **Test date:** February 10 ~ April 1, 2022

Humidity: 48 ~ 68% RH **Tested by:** Jack Chen

BFM ON- Master

POWER DENSITY 802.11ac VHT20 MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5180	6.666	7.014	0.19	10.04		14.89 dBm/MHz	-4.85
5220	8.145	8.470	0.19	11.51		14.89 dBm/MHz	-3.38
5240	8.607	8.400	0.19	11.71		14.89 dBm/MHz	-3.18
5260	2.663	2.051	0.19	5.57		8.89 dBm/MHz	-3.32
5300	2.363	2.470	0.19	5.62		8.89 dBm/MHz	-3.27
5320	2.150	2.461	0.19	5.51		8.89 dBm/MHz	-3.38
5500	1.827	2.535	0.19	5.40		8.89 dBm/MHz	-3.49
5580	2.293	2.303	0.19	5.50		8.89 dBm/MHz	-3.39
5700	2.121	2.363	0.19	5.44		8.89 dBm/MHz	-3.45
5720 (U-NII 2C)	2.114	2.396	0.19	5.46		8.89 dBm/MHz	-3.43
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5720 (U-NII 3)	-4.354	-3.948	0.19	2.22	1.27	28.44 dBm/500kHz	-27.17
5745	5.318	5.968	0.19	2.22	11.08	28.44 dBm/500kHz	-17.36
5785	5.039	5.468	0.19	2.22	10.68	28.44 dBm/500kHz	-17.76
5825	5.528	5.162	0.19	2.22	10.77	28.44 dBm/500kHz	-17.67

POWER DENSITY 802.11ac VHT40 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	1.940	2.457	0.37	5.59		14.89 dBm/MHz	-9.30
5230	8.561	8.116	0.37	11.72		14.89 dBm/MHz	-3.17
5270	2.677	1.925	0.37	5.70		8.89 dBm/MHz	-3.19
5310	2.439	2.498	0.37	5.85		8.89 dBm/MHz	-3.04
5510	0.236	1.521	0.37	4.31		8.89 dBm/MHz	-4.58
5550	1.581	2.383	0.37	5.38		8.89 dBm/MHz	-3.51
5670	1.568	1.991	0.37	5.16		8.89 dBm/MHz	-3.73
5710 (U-NII 2C)	1.808	2.343	0.37	5.46		8.89 dBm/MHz	-3.43
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-7.546	-6.908	0.37	2.22	-1.61	28.44 dBm/500kHz	-30.05
5755	4.269	4.482	0.37	2.22	9.98	28.44 dBm/500kHz	-18.46
5795	4.192	4.305	0.37	2.22	9.85	28.44 dBm/500kHz	-18.59

POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-3.956	-4.114	0.72	-0.30		14.89 dBm/MHz	-15.19
5290	-2.556	-2.714	0.72	1.10		8.89 dBm/MHz	-7.79
5530	-3.201	-3.095	0.72	0.58		8.89 dBm/MHz	-8.31
5690 (U-NII 2C)	-1.003	-0.465	0.72	3.00		8.89 dBm/MHz	-5.89
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	-10.402	-12.477	0.72	2.22	-5.37	28.44 dBm/500kHz	-33.81
5775	-4.059	-3.259	0.72	2.22	2.31	28.44 dBm/500kHz	-26.13

POWER DENSITY 802.11ax HE20 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	6.643	6.868	0.24	10.01		14.89 dBm/MHz	-4.88
5220	full	8.120	8.048	0.24	11.33		14.89 dBm/MHz	-3.56
5240	full	8.741	7.854	0.24	11.57		14.89 dBm/MHz	-3.32
5260	full	2.766	1.848	0.24	5.58		8.89 dBm/MHz	-3.31
5300	full	1.909	2.670	0.24	5.56		8.89 dBm/MHz	-3.33
5320	full	2.405	1.745	0.24	5.34		8.89 dBm/MHz	-3.55
5500	full	2.315	2.671	0.24	5.75		8.89 dBm/MHz	-3.14
5580	full	1.833	1.714	0.24	5.02		8.89 dBm/MHz	-3.87
5700	full	2.285	2.098	0.24	5.44		8.89 dBm/MHz	-3.45
5720 (U-NII 2C)	full	1.479	2.668	0.24	5.36		8.89 dBm/MHz	-3.53
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-3.968	-4.079	0.24	2.22	1.45	28.44 dBm/500kHz	-26.99
5745	full	5.162	5.702	0.24	2.22	10.91	28.44 dBm/500kHz	-17.53
5785	full	4.105	4.802	0.24	2.22	9.94	28.44 dBm/500kHz	-18.50
5825	full	5.149	5.036	0.24	2.22	10.56	28.44 dBm/500kHz	-17.88

POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	1.714	2.356	0.44	5.50		14.89 dBm/MHz	-9.39
5230	full	8.744	7.982	0.44	11.83		14.89 dBm/MHz	-3.06
5270	full	2.318	1.797	0.44	5.52		8.89 dBm/MHz	-3.37
5310	full	1.211	1.408	0.44	4.76		8.89 dBm/MHz	-4.13
5510	full	1.246	2.205	0.44	5.20		8.89 dBm/MHz	-3.69
5550	full	1.298	2.318	0.44	5.29		8.89 dBm/MHz	-3.60
5670	full	1.372	1.899	0.44	5.09		8.89 dBm/MHz	-3.80
5710 (U-NII 2C)	full	1.653	2.007	0.44	5.28		8.89 dBm/MHz	-3.61
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-6.747	-6.970	0.44	2.22	-1.19	28.44 dBm/500kHz	-29.63
5755	full	1.380	1.728	0.44	2.22	7.23	28.44 dBm/500kHz	-21.21
5795	full	2.711	2.831	0.44	2.22	8.44	28.44 dBm/500kHz	-20.00

POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	**RU config.**	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5210	full	-4.803	-4.347	0.75	-0.81		14.89 dBm/MHz	-15.70
5290	full	-3.475	-5.049	0.75	-0.43		8.89 dBm/MHz	-9.32
5530	full	-2.148	-1.564	0.75	1.91		8.89 dBm/MHz	-6.98
5690 (U-NII 2C)	full	-1.247	-0.719	0.75	2.79		8.89 dBm/MHz	-6.10
Frequency (MHz)	**RU config.**	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5690 (U-NII 3)	full	-11.180	-10.576	0.75	2.22	-4.89	28.44 dBm/500kHz	-33.33
5775	full	-4.128	-4.516	0.75	2.22	1.66	28.44 dBm/500kHz	-26.78

Temperature: 16.5 ~ 24℃ **Test date:** February 10 ~ June 6, 2022

Humidity: 48 ~ 68% RH **Tested by:** Jack Chen

BFM ON- Slave

POWER DENSITY 802.11ac VHT20 MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5180	1.860	2.739	0.19	5.52		8.89 dBm/MHz	-3.37
5220	2.119	2.822	0.19	5.69		8.89 dBm/MHz	-3.20
5240	2.148	2.526	0.19	5.54		8.89 dBm/MHz	-3.35
5260	2.508	2.785	0.19	5.85		8.89 dBm/MHz	-3.04
5300	2.175	2.618	0.19	5.60		8.89 dBm/MHz	-3.29
5320	2.265	2.433	0.19	5.55		8.89 dBm/MHz	-3.34
5500	1.628	2.600	0.19	5.34		8.89 dBm/MHz	-3.55
5580	2.433	2.265	0.19	5.55		8.89 dBm/MHz	-3.34
5700	1.844	2.219	0.19	5.24		8.89 dBm/MHz	-3.65
5720 (U-NII 2C)	2.355	2.363	0.19	5.56		8.89 dBm/MHz	-3.33
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5720 (U-NII 3)	-4.139	-3.993	0.19	2.22	1.35	28.44 dBm/500kHz	-27.09
5745	4.693	5.184	0.19	2.22	10.37	28.44 dBm/500kHz	-18.07
5785	4.661	5.063	0.19	2.22	10.29	28.44 dBm/500kHz	-18.15
5825	4.785	5.375	0.19	2.22	10.51	28.44 dBm/500kHz	-17.93

POWER DENSITY 802.11ac VHT40 MODE							
Frequency (MHz)	**Ch0 meas PSD (dBm/MHz)**	**Ch1 meas PSD (dBm/MHz)**	**Duty Factor (dB)**	**Total Corr'd PSD(dBm/MHz)**		**Limit**	**Margin (dB)**
5190	2.322	2.672	0.37	5.88		8.89 dBm/MHz	-3.01
5230	1.400	1.980	0.37	5.08		8.89 dBm/MHz	-3.81
5270	1.845	0.986	0.37	4.82		8.89 dBm/MHz	-4.07
5310	1.696	1.515	0.37	4.99		8.89 dBm/MHz	-3.90
5510	-0.088	0.815	0.37	3.77		8.89 dBm/MHz	-5.12
5550	2.455	2.244	0.37	5.73		8.89 dBm/MHz	-3.16
5670	1.726	2.245	0.37	5.37		8.89 dBm/MHz	-3.52
5710 (U-NII 2C)	1.743	2.227	0.37	5.37		8.89 dBm/MHz	-3.52
Frequency (MHz)	**Ch0 meas PSD (dBm/300kHz)**	**Ch1 meas PSD (dBm/300kHz)**	**Duty Factor (dB)**	**10log (500kHz/RBW) Factor(dB)**	**Total Corr'd PSD(dBm/500kHz)**	**Limit**	**Margin (dB)**
5710 (U-NII 3)	-7.454	-7.644	0.37	2.22	-1.95	28.44 dBm/500kHz	-30.39
5755	4.296	4.251	0.37	2.22	9.87	28.44 dBm/500kHz	-18.57
5795	3.802	3.779	0.37	2.22	9.39	28.44 dBm/500kHz	-19.05

POWER DENSITY 802.11ac VHT80 MODE							
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-4.122	-3.742	0.72	-0.20		8.89 dBm/MHz	-9.09
5290	-2.552	-2.866	0.72	1.02		8.89 dBm/MHz	-7.87
5530	-3.344	-2.466	0.72	0.85		8.89 dBm/MHz	-8.04
5690 (U-NII 2C)	-1.707	-1.049	0.72	2.36		8.89 dBm/MHz	-6.53
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	-11.509	-12.281	0.72	2.22	-5.93	28.44 dBm/500kHz	-34.37
5775	-4.480	-4.788	0.72	2.22	1.32	28.44 dBm/500kHz	-27.12

POWER DENSITY 802.11ax HE20 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	1.792	2.650	0.24	5.49		8.89 dBm/MHz	-3.40
5220	full	1.873	2.557	0.24	5.48		8.89 dBm/MHz	-3.41
5240	full	2.179	3.047	0.24	5.88		8.89 dBm/MHz	-3.01
5260	full	2.634	1.978	0.24	5.57		8.89 dBm/MHz	-3.32
5300	full	2.212	2.182	0.24	5.45		8.89 dBm/MHz	-3.44
5320	full	2.181	2.507	0.24	5.60		8.89 dBm/MHz	-3.29
5500	full	1.394	2.367	0.24	5.16		8.89 dBm/MHz	-3.73
5580	full	1.855	2.079	0.24	5.22		8.89 dBm/MHz	-3.67
5700	full	2.497	2.733	0.24	5.87		8.89 dBm/MHz	-3.02
5720 (U-NII 2C)	full	2.061	2.399	0.24	5.48		8.89 dBm/MHz	-3.41
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-4.143	-3.774	0.24	2.22	1.52	28.44 dBm/500kHz	-26.92
5745	full	5.157	5.529	0.24	2.22	10.82	28.44 dBm/500kHz	-17.62
5785	full	5.186	5.247	0.24	2.22	10.69	28.44 dBm/500kHz	-17.75
5825	full	4.601	4.819	0.24	2.22	10.18	28.44 dBm/500kHz	-18.26

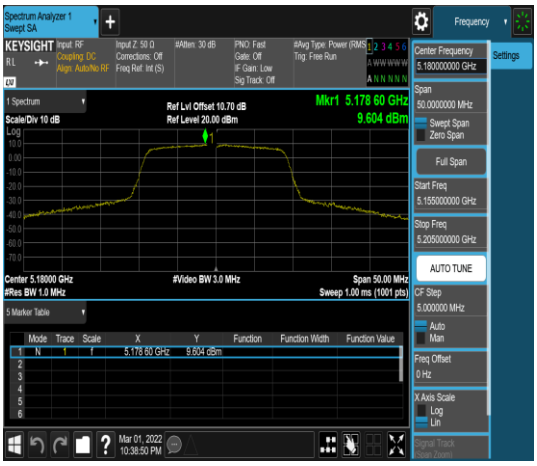
POWER DENSITY 802.11ax HE40 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	0.994	1.281	0.44	4.59		8.89 dBm/MHz	-4.30
5230	full	1.234	1.787	0.44	4.97		8.89 dBm/MHz	-3.92
5270	full	1.846	1.188	0.44	4.98		8.89 dBm/MHz	-3.91
5310	full	1.560	1.827	0.44	5.15		8.89 dBm/MHz	-3.74
5510	full	1.205	2.223	0.44	5.19		8.89 dBm/MHz	-3.70
5550	full	1.784	2.429	0.44	5.57		8.89 dBm/MHz	-3.32
5670	full	1.844	2.090	0.44	5.42		8.89 dBm/MHz	-3.47
5710 (U-NII 2C)	full	1.017	1.844	0.44	4.90		8.89 dBm/MHz	-3.99
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-6.339	-7.461	0.44	2.22	-1.19	28.44 dBm/500kHz	-29.63
5755	full	1.277	0.720	0.44	2.22	6.68	28.44 dBm/500kHz	-21.76
5795	full	2.723	2.709	0.44	2.22	8.39	28.44 dBm/500kHz	-20.05

POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-5.775	-6.205	0.75	-2.22		8.89 dBm/MHz	-11.11
5290	full	-3.894	-4.583	0.75	-0.46		8.89 dBm/MHz	-9.35
5530	full	-2.204	-1.773	0.75	1.78		8.89 dBm/MHz	-7.11
5690 (U-NII 2C)	full	-1.192	-0.717	0.75	2.81		8.89 dBm/MHz	-6.08
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD(dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	full	-12.667	-10.410	0.75	2.22	-5.41	28.44 dBm/500kHz	-33.85
5775	full	-4.793	-5.019	0.75	2.22	1.08	28.44 dBm/500kHz	-27.36

Test Plots

BFM OFF- Master

UNII-1 IEEE 802.11a mode- chain 0	
CH 5180	**CH 5220**
	
CH 5240	
	

UNII-1 IEEE 802.11ac VHT20 mode- chain 0	
CH 5180	**CH 5220**
	
CH 5240	
	

UNII-1 IEEE 802.11ac VHT40 mode- chain 0	
CH 5190	CH 5230
	

UNII-1 IEEE 802.11ac VHT80 mode- chain 0	
CH 5210	
	

UNII-1 IEEE 802.11ax HE20 mode- chain 0	
CH 5180 full	**CH 5180 26/0**
	
CH 5180 52/37	**CH 5180 106/53**
	

UNII-1 IEEE 802.11ax HE20 mode- chain 0	
CH 5220 full	**CH 5220 26/0**
	
CH 5220 26/8	**CH 5220 52/37**
	

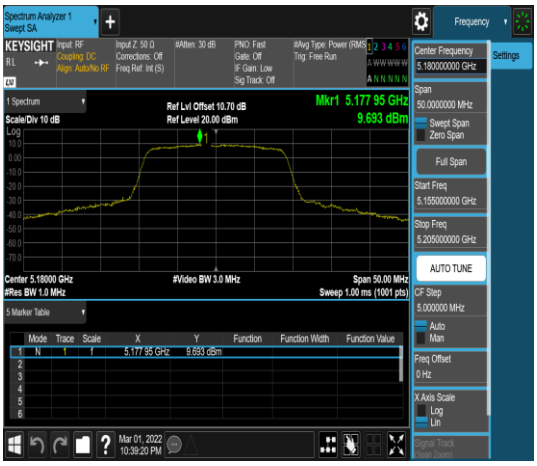
CH 5220 52/40	CH 5220 106/53
	
CH 5220 106/54	
	

UNII-1 IEEE 802.11ax HE20 mode- chain 0	
CH 5240 full	**CH 5240 26/8**
	
CH 5240 52/40	**CH 5240 106/54**
	

UNII-1 IEEE 802.11ax HE40 mode- chain 0	
CH 5190 full	**CH 5190 242/61**
	
CH 5230 full	**CH 5230 242/62**
	

UNII-1 IEEE 802.11ax HE80 mode- chain 0	
CH 5210 full	**CH 5210 484/65**
	

UNII-1 IEEE 802.11a mode- chain 1	
CH 5180	**CH 5220**
	
CH 5240	
	

UNII-1 IEEE 802.11ac VHT20 mode- chain 1	
CH 5180	**CH 5220**
	
CH 5240	
	

UNII-1 IEEE 802.11ac VHT40 mode- chain 1	
CH 5190	CH 5230
	

UNII-1 IEEE 802.11ac VHT80 mode- chain 1	
CH 5210