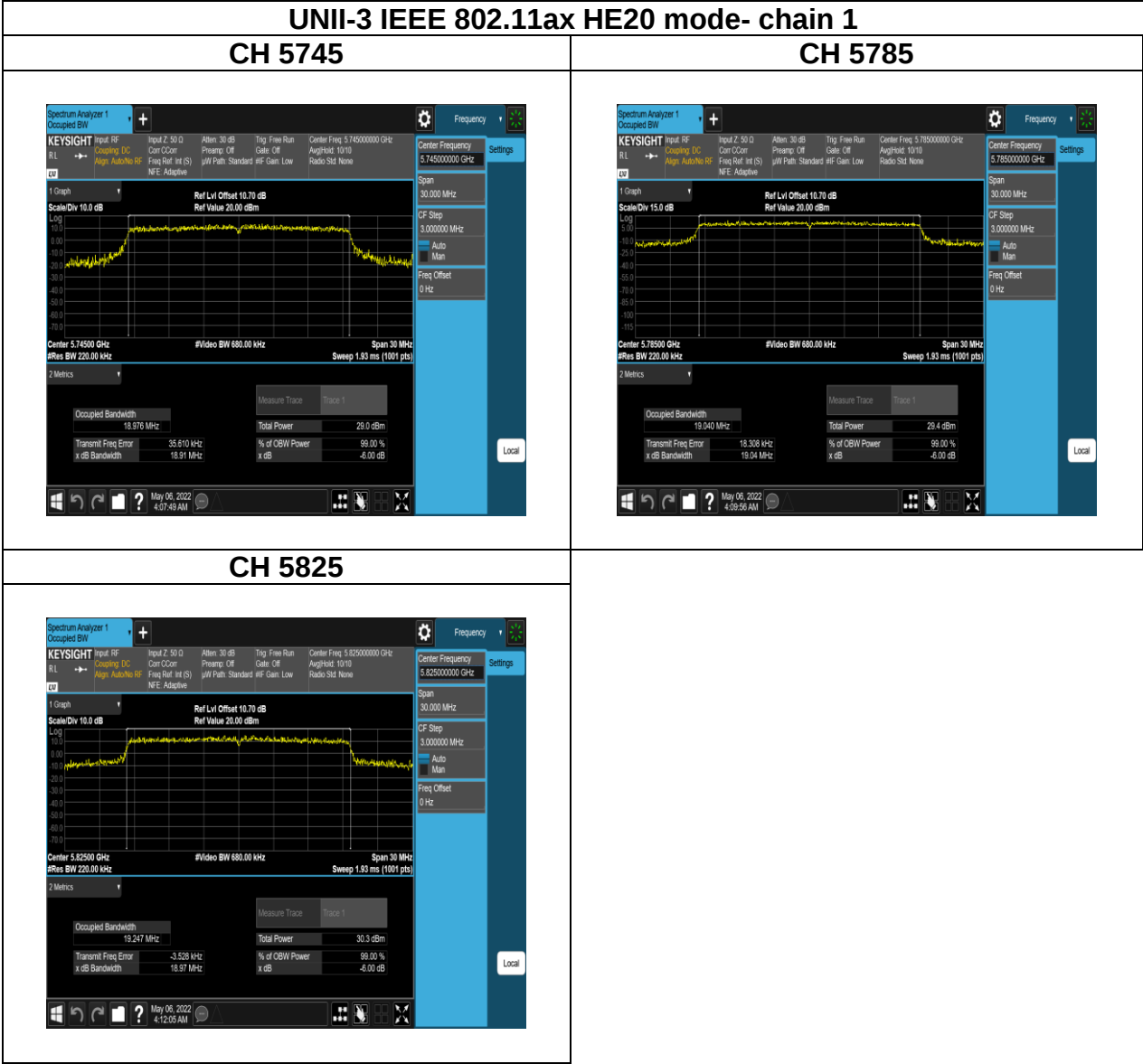
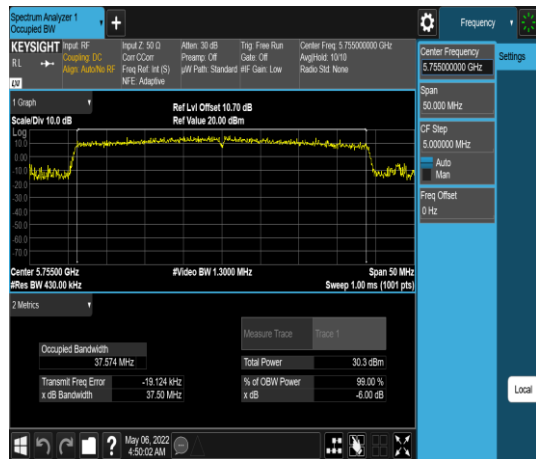




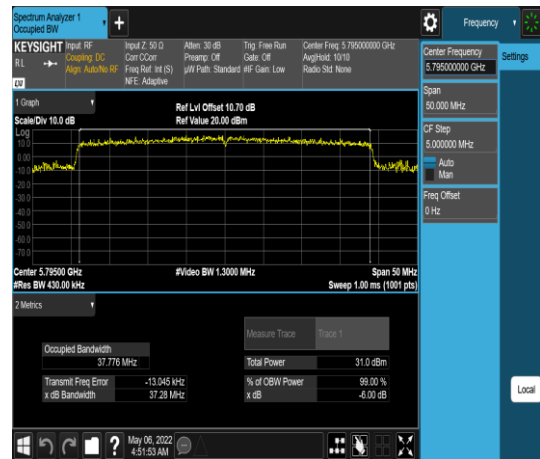
Report No.: TMWK2201000111KR

UNII-3 IEEE 802.11ax HE40 mode- chain 1

CH 5755

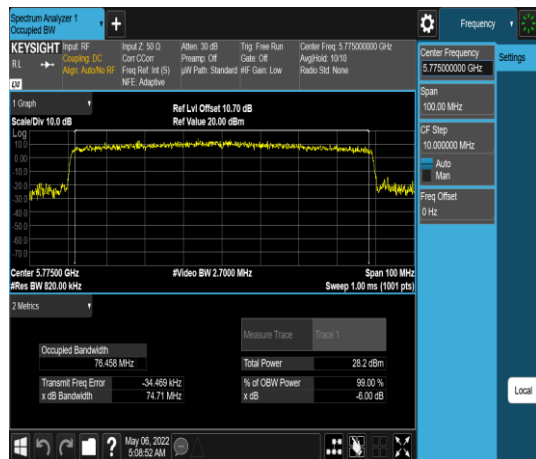


CH 5795



UNII-3 IEEE 802.11ax HE80 mode- chain 1

CH 5775



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

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

UNII-1 :

The maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(iv) For client devices, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, 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-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, 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 : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]
UNII-1 Limit (For client devices)	☐ Antenna not exceed 6 dBi : 24dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-2a/2c Limit	☐ Antenna not exceed 6 dBi : 24dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 24 – (DG – 6)]
UNII-3 Limit	☐ Antenna not exceed 6 dBi : 30dBm ☒ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)]

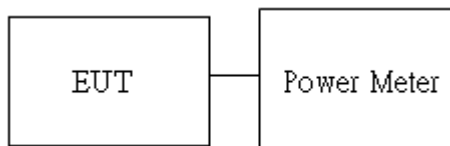
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz and 40MHz, E.2.b for BW 80MHz.

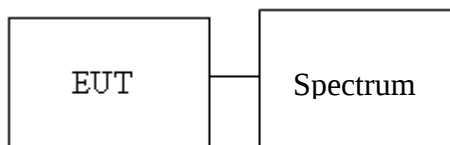
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.3.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz



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4.3.4 Test Result

Temperature: 16.5 ~ 25.3°C

Test date: February 11 ~ May 18, 2022

Humidity: 46 ~ 68% RH

Tested by: Jack Chen

BFM OFF- Master **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	17	22.01	21.12	24.77	299.916	30	PASS
44	5220	6	14	17.81	17.59	20.89	122.744	30	PASS
48	5240	6	15.5	19.24	19.06	22.34	171.396	30	PASS
52	5260	6	12	16.51	15.39	19.17	82.604	23.95	PASS
60	5300	6	13.5	16.83	16.55	19.88	97.275	23.91	PASS
64	5320	6	13.5	16.91	16.45	19.87	97.051	23.97	PASS
100	5500	6	13	16.77	16.62	19.88	97.275	23.94	PASS
116	5580	6	13	16.52	16.33	19.61	91.411	23.95	PASS
140	5700	6	13.5	16.49	16.31	19.59	90.991	23.97	PASS
144	5720(U-NII 2C)	6	13	14.70	14.66	17.87	61.215	22.69	PASS
144	5720 (U-NII 3)	6	13	9.78	9.81	12.99	19.887	30	PASS
149	5745	6	16.5	20.87	20.02	23.65	231.739	30	PASS
157	5785	6	14.5	19.06	18.03	21.76	149.968	30	PASS
165	5825	6	15.5	19.75	19.52	22.82	191.426	30	PASS



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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	MCS8	16.5	18.45	18.03	21.44	139.316	30	PASS
44	5220	MCS8	18	19.25	19.01	22.33	171.002	30	PASS
48	5240	MCS8	15	15.21	14.91	18.26	66.988	30	PASS
52	5260	MCS8	14.5	16.41	15.29	19.08	80.910	23.98	PASS
60	5300	MCS8	16	16.75	16.66	19.90	97.724	23.98	PASS
64	5320	MCS8	16	16.91	16.45	19.88	97.275	23.98	PASS
100	5500	MCS8	15.5	16.66	16.01	19.55	90.157	23.98	PASS
116	5580	MCS8	15.5	16.35	16.16	19.45	88.105	23.98	PASS
140	5700	MCS8	16	16.52	16.25	19.59	90.991	23.97	PASS
144	5720(U-NII 2C)	MCS8	16	15.29	14.99	18.34	68.263	22.75	PASS
144	5720 (U-NII 3)	MCS8	16	10.56	10.19	13.58	22.797	30	PASS
149	5745	MCS8	21.5	22.91	22.21	25.77	377.572	30	PASS
157	5785	MCS8	18.5	20.19	19.16	22.90	194.984	30	PASS
165	5825	MCS8	22.5	23.35	23.31	26.53	449.780	30	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	16.5	18.53	17.96	21.45	139.637	30	PASS
44	5220	MCS0	18	19.28	19.02	22.35	171.791	30	PASS
48	5240	MCS0	15	15.25	14.95	18.30	67.608	30	PASS
52	5260	MCS0	14.5	16.45	15.33	19.12	81.658	23.98	PASS
60	5300	MCS0	16	16.78	16.75	19.96	99.083	23.98	PASS
64	5320	MCS0	16	16.95	16.53	19.94	98.628	23.98	PASS
100	5500	MCS0	15.5	16.68	16.01	19.56	90.365	23.98	PASS
116	5580	MCS0	15.5	16.36	16.21	19.48	88.716	23.98	PASS
140	5700	MCS0	16	16.59	16.28	19.64	92.045	23.97	PASS
144	5720(U-NII 2C)	MCS0	16	15.31	15.03	18.37	68.730	22.75	PASS
144	5720 (U-NII 3)	MCS0	16	10.58	10.23	13.61	22.953	30	PASS
149	5745	MCS0	21.5	23.01	22.35	25.89	388.150	30	PASS
157	5785	MCS0	18.5	20.53	19.3	23.16	207.014	30	PASS
165	5825	MCS0	22.5	23.51	23.49	26.70	467.735	30	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	MCS8	17.5	19.01	18.81	22.29	169.434	30	PASS
46	5230	MCS8	19	20.08	19.97	23.41	219.280	30	PASS
54	5270	MCS8	17.5	18.79	18.4	21.98	157.761	23.98	PASS
62	5310	MCS8	18	18.46	18.22	21.72	148.594	23.98	PASS
102	5510	MCS8	17.5	18.47	18.2	21.72	148.594	23.98	PASS
110	5550	MCS8	19	19.17	18.95	22.44	175.388	23.98	PASS
134	5670	MCS8	18	18.77	18.09	21.83	152.405	23.98	PASS
142	5710(U-NII 2C)	MCS8	18.5	18.33	17.88	21.49	140.944	23.98	PASS
142	5710 (U-NII 3)	MCS8	18.5	9.91	9.16	12.93	19.637	30	PASS
151	5755	MCS8	22	22.93	22.61	26.16	413.048	30	PASS
159	5795	MCS8	22	22.9	22.24	25.97	395.367	30	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	17.5	19.06	18.8	22.31	170.216	30	PASS
46	5230	MCS0	19	20.17	19.94	23.43	220.293	30	PASS
54	5270	MCS0	17.5	18.97	18.3	22.03	159.588	23.98	PASS
62	5310	MCS0	18	18.38	18.33	21.73	148.936	23.98	PASS
102	5510	MCS0	17.5	18.48	18.27	21.75	149.624	23.98	PASS
110	5550	MCS0	19	19.24	19.03	22.51	178.238	23.98	PASS
134	5670	MCS0	18	18.83	18.11	21.86	153.462	23.98	PASS
142	5710(U-NII 2C)	MCS0	18.5	18.40	17.92	21.55	142.766	23.98	PASS
142	5710 (U-NII 3)	MCS0	18.5	9.98	9.20	12.99	19.893	30	PASS
151	5755	MCS0	22	22.96	22.64	26.18	414.954	30	PASS
159	5795	MCS0	22	22.97	22.28	26.02	399.945	30	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	14.5	16.63	15.98	20.04	100.925	30	PASS
58	5290	MCS0	15	16.84	15.88	20.11	102.565	23.98	PASS
106	5530	MCS0	16	17.47	17.39	21.16	130.617	23.98	PASS
138	5690(U-NII 2C)	MCS0	17	18.19	17.58	21.63	145.529	23.98	PASS
138	5690 (U-NII 3)	MCS0	17	6.20	5.43	9.56	9.045	30	PASS
155	5775	MCS0	18.5	20.17	19.77	23.70	234.423	30	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	17	20.48	20.11	23.55	226.464	30	PASS
		MCS0	26/0	19	12.63	11.73	15.45	35.075	30	PASS
		MCS0	52/37	18	14.63	13.68	17.43	55.335	30	PASS
		MCS0	106/53	18.5	18.05	17.88	21.21	132.130	30	PASS
44	5220	MCS0	full	17.5	20.27	20.06	23.41	219.280	30	PASS
		MCS0	26/0	19	11.43	11.32	14.62	28.973	30	PASS
		MCS0	26/8	19	11.82	11.08	14.71	29.580	30	PASS
		MCS0	52/37	18	13.55	13.22	16.64	46.132	30	PASS
		MCS0	52/40	18	13.89	13.28	16.84	48.306	30	PASS
		MCS0	106/53	18	16.85	16.64	19.99	99.770	30	PASS
		MCS0	106/54	18	16.91	16.82	20.11	102.565	30	PASS
48	5240	MCS0	full	17.5	20.18	19.92	23.30	213.796	30	PASS
		MCS0	26/8	19	11.47	11.39	14.68	29.376	30	PASS
		MCS0	52/40	18.5	14.12	13.97	17.29	53.580	30	PASS
		MCS0	106/54	18	16.97	16.78	20.12	102.802	30	PASS
52	5260	MCS0	full	14	17.55	16.83	20.45	110.917	23.98	PASS
		MCS0	26/0	15.5	8.43	7.95	11.45	13.964	23.98	PASS
		MCS0	52/37	15.5	11.41	10.81	14.37	27.353	23.98	PASS
		MCS0	106/53	14.5	13.21	12.59	16.16	41.305	23.98	PASS
60	5300	MCS0	full	15	17.44	17.38	20.66	116.413	23.98	PASS
		MCS0	26/0	16	8.12	8.01	11.31	13.521	23.98	PASS
		MCS0	26/8	15.5	7.63	7.2	10.67	11.668	23.98	PASS
		MCS0	52/37	15	10.12	9.97	13.29	21.330	23.98	PASS
		MCS0	52/40	15	10.13	10.09	13.36	21.677	23.98	PASS
		MCS0	106/53	14.5	12.79	12.68	15.98	39.628	23.98	PASS
		MCS0	106/54	14.5	12.85	12.79	16.07	40.458	23.98	PASS
64	5320	MCS0	full	15	17.46	17.4	20.68	116.950	23.98	PASS
		MCS0	26/8	16.5	8.52	8.42	11.72	14.859	23.98	PASS
		MCS0	52/40	16.5	11.53	11.43	14.73	29.717	23.98	PASS
		MCS0	106/54	15.5	13.79	13.7	16.99	50.003	23.98	PASS



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100	5500	MCS0	full	14.5	17.3	17.24	20.52	112.720	23.98	PASS
		MCS0	26/0	15.5	8.27	7.76	11.27	13.397	23.98	PASS
		MCS0	52/37	15.5	11.13	10.64	14.14	25.942	23.98	PASS
		MCS0	106/53	15	13.31	12.84	16.33	42.954	23.98	PASS
116	5580	MCS0	full	15.5	17.88	17.87	21.12	129.420	23.98	PASS
		MCS0	26/0	17.5	9.75	9.72	12.98	19.861	23.98	PASS
		MCS0	26/8	17	9.43	9.29	12.61	18.239	23.98	PASS
		MCS0	52/37	17	12.21	12.16	15.43	34.914	23.98	PASS
		MCS0	52/40	16	11.58	11.42	14.75	29.854	23.98	PASS
		MCS0	106/53	16	14.71	14.37	17.79	60.117	23.98	PASS
		MCS0	106/54	16	14.28	14.04	17.41	55.081	23.98	PASS
140	5700	MCS0	full	15	17.24	17.06	20.40	109.648	23.98	PASS
		MCS0	26/8	16.5	8.42	8.23	11.57	14.355	23.98	PASS
		MCS0	52/40	16	10.86	10.85	14.10	25.704	23.98	PASS
		MCS0	106/54	15.5	13.62	13.42	16.77	47.534	23.98	PASS
144	5720	MCS0	full	15	17.32	17.03	20.43	110.408	22.96	PASS
		MCS0	26/0	17	9.21	8.73	12.23	16.711	22.96	PASS
		MCS0	26/8	17	8.75	8.31	11.78	15.066	22.96	PASS
		MCS0	52/37	16	11.23	10.75	14.25	26.607	22.96	PASS
		MCS0	52/40	16	10.91	10.88	14.14	25.942	22.96	PASS
		MCS0	106/53	15	13.35	12.97	16.41	43.752	22.96	PASS
		MCS0	106/54	15	13.36	13.01	16.44	44.055	22.96	PASS
149	5745	MCS0	full	19.5	22.49	22.1	25.55	358.922	30	PASS
		MCS0	26/0	21	13.78	12.89	16.61	45.814	30	PASS
		MCS0	52/37	20	16.28	15.56	19.18	82.794	30	PASS
		MCS0	106/53	19.5	19.07	18.16	21.89	154.525	30	PASS
157	5785	MCS0	full	20.5	23.34	22.47	26.18	414.954	30	PASS
		MCS0	26/0	21.5	14.86	13.02	17.29	53.580	30	PASS
		MCS0	26/8	21	15.03	13.42	17.55	56.885	30	PASS
		MCS0	52/37	21.5	17.62	16.6	20.39	109.396	30	PASS
		MCS0	52/40	20.5	16.93	16.05	19.76	94.624	30	PASS
		MCS0	106/53	20.5	19.93	18.8	22.65	184.077	30	PASS
		MCS0	106/54	20.5	20.04	19.13	22.86	193.197	30	PASS
165	5825	MCS0	full	21.5	23.81	23.76	27.03	504.661	30	PASS
		MCS0	26/8	22	15.07	14.99	18.28	67.298	30	PASS
		MCS0	52/40	21.5	17.57	17.56	20.81	120.504	30	PASS
		MCS0	106/54	20	19.23	19.15	22.44	175.388	30	PASS

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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	16	18.35	18.29	21.77	150.314	30	PASS
		MCS0	242/61	16.5	16.33	15.57	19.41	87.297	30	PASS
46	5230	MCS0	full	17.5	18.41	17.99	21.65	146.218	30	PASS
		MCS0	242/62	17	16.33	15.92	19.58	90.782	30	PASS
54	5270	MCS0	full	15.5	18.62	18.06	21.80	151.356	23.98	PASS
		MCS0	242/61	15.5	15.06	14.38	18.18	65.766	23.98	PASS
62	5310	MCS0	full	16	18.08	18.06	21.52	141.906	23.98	PASS
		MCS0	242/62	16	14.59	14.14	17.82	60.534	23.98	PASS
102	5510	MCS0	full	15.5	17.93	17.89	21.36	136.773	23.98	PASS
		MCS0	242/61	16	15.16	14.45	18.27	67.143	23.98	PASS
110	5550	MCS0	full	16.5	17.83	17.51	21.12	129.420	23.98	PASS
		MCS0	242/61	16.5	14.97	14.08	17.99	62.951	23.98	PASS
		MCS0	242/62	16.5	14.69	14.07	17.84	60.814	23.98	PASS
134	5670	MCS0	full	16.5	18.09	17.81	21.40	138.038	23.98	PASS
		MCS0	242/62	16.5	14.9	14.87	18.33	68.077	23.98	PASS
142	5710	MCS0	full	16.5	18.46	18.06	21.71	148.252	23.98	PASS
		MCS0	242/61	16.5	14.82	14.75	18.23	66.527	23.98	PASS
		MCS0	242/62	16.5	14.95	14.28	18.08	64.269	23.98	PASS
151	5755	MCS0	full	20.5	23.3	22.48	26.36	432.514	30	PASS
		MCS0	242/61	20	19.95	18.84	22.88	194.089	30	PASS
159	5795	MCS0	full	22	24.63	23.46	27.53	566.239	30	PASS
		MCS0	242/62	21	22.18	20.69	24.95	312.608	30	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	16	17.99	17.69	21.63	145.546	30	PASS
		MCS0	484/65	16	14.57	14.25	18.20	66.069	30	PASS
58	5290	MCS0	full	16	17.69	17.23	21.25	133.352	23.98	PASS
		MCS0	484/66	16.5	15.03	14.34	18.48	70.469	23.98	PASS
106	5530	MCS0	full	17	17.97	17.81	21.67	146.893	23.98	PASS
		MCS0	484/65	17.5	15.09	14.78	18.72	74.473	23.98	PASS
138	5690	MCS0	full	17.5	18.26	17.88	21.86	153.462	23.98	PASS
		MCS0	484/65	17.5	15.21	14.72	18.75	74.989	23.98	PASS
		MCS0	484/66	17.5	15.19	14.45	18.62	72.778	23.98	PASS
155	5775	MCS0	full	19.5	21.26	20.23	24.56	285.759	30	PASS
		MCS0	484/65	19.5	18.27	17.14	21.52	141.906	30	PASS
		MCS0	484/66	19.5	18.69	17.29	21.83	152.405	30	PASS

Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 25.3°C

Test date: February 11 ~ May 18, 2022

Humidity: 46 ~ 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	11.5	15.97	15.19	18.78	75.509	23.98	PASS
44	5220	6	12.5	16.07	15.68	19.07	80.724	23.98	PASS
48	5240	6	12.5	15.99	15.71	19.04	80.168	23.98	PASS
52	5260	6	12	16.45	15.36	19.13	81.846	23.98	PASS
60	5300	6	13.5	16.81	16.51	19.85	96.605	23.98	PASS
64	5320	6	13.5	16.88	16.41	19.84	96.383	23.98	PASS
100	5500	6	13	16.73	16.61	19.86	96.828	23.98	PASS
116	5580	6	13	16.48	16.24	19.55	90.157	23.98	PASS
140	5700	6	13.5	16.42	16.21	19.50	89.125	23.98	PASS
144	5720(U-NII 2C)	6	13	14.62	14.60	17.80	60.271	22.71	PASS
144	5720 (U-NII 3)	6	13	9.78	9.74	12.95	19.718	30	PASS
149	5745	6	16.5	20.74	19.86	23.51	224.388	30	PASS
157	5785	6	14.5	18.89	17.64	21.50	141.254	30	PASS
165	5825	6	15.5	19.36	19.27	22.50	177.828	30	PASS



Report No.: TMWK2201000111KR

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	14.5	16.36	15.55	19.18	82.794	23.98	PASS
44	5220	MCS0	15	15.97	15.63	19.01	79.616	23.98	PASS
48	5240	MCS0	14	14.21	13.88	17.25	53.088	23.98	PASS
52	5260	MCS0	14.5	16.39	15.27	19.07	80.724	23.98	PASS
60	5300	MCS0	16	16.69	16.63	19.87	97.051	23.98	PASS
64	5320	MCS0	16	16.85	16.41	19.84	96.383	23.98	PASS
100	5500	MCS0	15.5	16.61	15.91	19.48	88.716	23.98	PASS
116	5580	MCS0	15.5	16.31	16.12	19.42	87.498	23.98	PASS
140	5700	MCS0	16	16.49	16.19	19.55	90.157	23.98	PASS
144	5720(U-NII 2C)	MCS0	16	16.51	16.21	19.56	90.425	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	10.52	10.21	13.57	22.742	30	PASS
149	5745	MCS0	21.5	22.85	22.19	25.74	374.973	30	PASS
157	5785	MCS0	18.5	20.15	19.11	22.87	193.642	30	PASS
165	5825	MCS0	22.5	23.31	23.28	26.50	446.684	30	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	14.5	16.42	15.63	19.25	84.140	23.98	PASS
44	5220	MCS0	15	16.02	15.79	19.11	81.470	23.98	PASS
48	5240	MCS0	14	14.24	13.91	17.28	53.456	23.98	PASS
52	5260	MCS0	14.5	16.41	15.29	19.09	81.096	23.98	PASS
60	5300	MCS0	16	16.72	16.69	19.91	97.949	23.98	PASS
64	5320	MCS0	16	16.91	16.48	19.90	97.724	23.98	PASS
100	5500	MCS0	15.5	16.66	15.94	19.52	89.536	23.98	PASS
116	5580	MCS0	15.5	16.34	16.19	19.47	88.512	23.98	PASS
140	5700	MCS0	16	16.56	16.25	19.61	91.411	23.98	PASS
144	5720(U-NII 2C)	MCS0	16	15.28	15.00	18.34	68.304	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	10.55	10.26	13.61	22.950	30	PASS
149	5745	MCS0	21.5	22.93	22.26	25.81	381.066	30	PASS
157	5785	MCS0	18.5	20.2	19.2	22.93	196.336	30	PASS
165	5825	MCS0	22.5	23.38	23.33	26.56	452.898	30	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	17.5	18.92	18.68	22.18	165.196	23.98	PASS
46	5230	MCS0	18	18.47	18.43	21.83	152.405	23.98	PASS
54	5270	MCS0	17.5	18.77	18.21	21.88	154.170	23.98	PASS
62	5310	MCS0	18	18.31	18.21	21.64	145.881	23.98	PASS
102	5510	MCS0	17.5	18.29	18.08	21.57	143.549	23.98	PASS
110	5550	MCS0	19	18.91	18.62	22.15	164.059	23.98	PASS
134	5670	MCS0	18	18.31	17.85	21.47	140.281	23.98	PASS
142	5710(U-NII 2C)	MCS0	18.5	18.71	18.19	21.84	152.689	23.98	PASS
142	5710 (U-NII 3)	MCS0	18.5	9.67	9.08	12.76	18.894	30	PASS
151	5755	MCS0	22	22.56	22.34	25.83	382.825	30	PASS
159	5795	MCS0	22	22.13	21.62	25.27	336.512	30	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	17.5	19.05	18.64	22.23	167.109	23.98	PASS
46	5230	MCS0	18	18.58	18.52	21.93	155.955	23.98	PASS
54	5270	MCS0	17.5	18.72	18.32	21.90	154.882	23.98	PASS
62	5310	MCS0	18	18.33	18.21	21.65	146.218	23.98	PASS
102	5510	MCS0	17.5	18.26	18.18	21.60	144.544	23.98	PASS
110	5550	MCS0	19	18.97	18.6	22.17	164.816	23.98	PASS
134	5670	MCS0	18	18.23	18.03	21.51	141.579	23.98	PASS
142	5710(U-NII 2C)	MCS0	18.5	18.06	17.74	21.28	134.427	23.98	PASS
142	5710 (U-NII 3)	MCS0	18.5	9.60	9.20	12.78	18.979	30	PASS
151	5755	MCS0	22	22.81	22.16	25.88	387.258	30	PASS
159	5795	MCS0	22	21.95	21.91	25.31	339.625	30	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	14.5	16.55	15.81	19.92	98.175	23.98	PASS
58	5290	MCS0	15	16.55	15.82	19.93	98.401	23.98	PASS
106	5530	MCS0	16	17.33	17.28	21.03	126.765	23.98	PASS
138	5690(U-NII 2C)	MCS0	17	17.86	17.48	21.40	138.197	23.98	PASS
138	5690 (U-NII 3)	MCS0	17	5.74	5.03	9.13	8.186	30	PASS
155	5775	MCS0	18.5	20.12	19.63	23.61	229.615	30	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	17.04	16.32	19.94	98.628	23.98	PASS
		MCS0	26/0	15	8.41	7.89	11.41	13.836	23.98	PASS
		MCS0	52/37	15	11.46	10.83	14.41	27.606	23.98	PASS
		MCS0	106/53	14	13.68	12.94	16.57	45.394	23.98	PASS
44	5220	MCS0	full	14	16.6	16.51	19.80	95.499	23.98	PASS
		MCS0	26/0	15.5	7.95	7.93	11.19	13.152	23.98	PASS
		MCS0	26/8	15.5	8.38	7.86	11.38	13.740	23.98	PASS
		MCS0	52/37	15	10.44	10.37	13.65	23.174	23.98	PASS
		MCS0	52/40	15	10.97	10.4	13.94	24.774	23.98	PASS
		MCS0	106/53	14	12.67	12.49	15.83	38.282	23.98	PASS
		MCS0	106/54	14.5	13	12.46	15.99	39.719	23.98	PASS
48	5240	MCS0	full	14	16.58	16.57	19.82	95.940	23.98	PASS
		MCS0	26/8	15.5	8.21	7.83	11.27	13.397	23.98	PASS
		MCS0	52/40	15.5	11.32	10.81	14.32	27.040	23.98	PASS
		MCS0	106/54	14.5	13.49	13.05	16.52	44.875	23.98	PASS
52	5260	MCS0	full	14	17.46	16.89	20.43	110.408	23.98	PASS
		MCS0	26/0	15.5	8.41	7.91	11.42	13.868	23.98	PASS
		MCS0	52/37	15.5	11.36	10.8	14.34	27.164	23.98	PASS
		MCS0	106/53	14.5	13.13	12.54	16.09	40.644	23.98	PASS
60	5300	MCS0	full	15	17.42	17.38	20.65	116.145	23.98	PASS
		MCS0	26/0	16	7.96	7.89	11.17	13.092	23.98	PASS
		MCS0	26/8	15.5	7.43	7.34	10.63	11.561	23.98	PASS
		MCS0	52/37	15	10.02	9.98	13.25	21.135	23.98	PASS
		MCS0	52/40	15	10.28	9.91	13.35	21.627	23.98	PASS
		MCS0	106/53	14.5	12.72	12.71	15.96	39.446	23.98	PASS
		MCS0	106/54	14.5	12.87	12.73	16.05	40.272	23.98	PASS
64	5320	MCS0	full	15	17.41	17.31	20.61	115.080	23.98	PASS
		MCS0	26/8	16.5	8.49	8.21	11.60	14.454	23.98	PASS
		MCS0	52/40	16.5	11.41	11.33	14.62	28.973	23.98	PASS
		MCS0	106/54	15.5	13.67	13.63	16.90	48.978	23.98	PASS



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100	5500	MCS0	full	14.5	17.25	17.21	20.48	111.686	23.98	PASS
		MCS0	26/0	15.5	7.91	7.82	11.11	12.912	23.98	PASS
		MCS0	52/37	15.5	11.03	10.67	14.10	25.704	23.98	PASS
		MCS0	106/53	15	13.16	12.98	16.32	42.855	23.98	PASS
116	5580	MCS0	full	15.5	17.65	17.61	20.88	122.462	23.98	PASS
		MCS0	26/0	17.5	9.65	9.58	12.86	19.320	23.98	PASS
		MCS0	26/8	17	9.26	9.2	12.48	17.701	23.98	PASS
		MCS0	52/37	17	12.11	12.09	15.35	34.277	23.98	PASS
		MCS0	52/40	16	11.4	11.39	14.64	29.107	23.98	PASS
		MCS0	106/53	16	14.44	14.43	17.68	58.614	23.98	PASS
		MCS0	106/54	16	14.05	14.01	17.28	53.456	23.98	PASS
140	5700	MCS0	full	15	17.07	17.01	20.29	106.905	23.98	PASS
		MCS0	26/8	16.5	8.41	8.12	11.52	14.191	23.98	PASS
		MCS0	52/40	16	10.81	10.72	14.01	25.177	23.98	PASS
		MCS0	106/54	15.5	13.5	13.31	16.65	46.238	23.98	PASS
144	5720	MCS0	full	15	17.25	16.99	20.37	108.893	22.99	PASS
		MCS0	26/0	17	9.17	8.67	12.18	16.520	22.99	PASS
		MCS0	26/8	17	8.72	8.26	11.74	14.928	22.99	PASS
		MCS0	52/37	16	11.17	10.69	14.19	26.242	22.99	PASS
		MCS0	52/40	16	10.86	10.72	14.04	25.351	22.99	PASS
		MCS0	106/53	15	13.29	12.95	16.37	43.351	22.99	PASS
		MCS0	106/54	15	13.27	12.92	16.35	43.152	22.99	PASS
149	5745	MCS0	full	19.5	22.31	21.97	25.39	345.939	30	PASS
		MCS0	26/0	21	13.62	12.67	16.42	43.853	30	PASS
		MCS0	52/37	20	16.35	14.75	18.87	77.090	30	PASS
		MCS0	106/53	19.5	19.05	18.11	21.85	153.109	30	PASS
157	5785	MCS0	full	20.5	23.31	22.41	26.13	410.204	30	PASS
		MCS0	26/0	21.5	14.72	13.02	17.20	52.481	30	PASS
		MCS0	26/8	21	15.02	13.22	17.46	55.719	30	PASS
		MCS0	52/37	21.5	17.54	16.59	20.34	108.143	30	PASS
		MCS0	52/40	20.5	16.89	15.96	19.70	93.325	30	PASS
		MCS0	106/53	20.5	19.86	18.74	22.58	181.134	30	PASS
		MCS0	106/54	20.5	20.02	18.99	22.78	189.671	30	PASS
165	5825	MCS0	full	21.5	23.61	23.35	26.73	470.977	30	PASS
		MCS0	26/8	22	15.04	14.97	18.25	66.834	30	PASS
		MCS0	52/40	21.5	17.52	17.51	20.76	119.124	30	PASS
		MCS0	106/54	20	19.21	19.11	22.41	174.181	30	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	16	18.33	18.21	21.72	148.594	23.98	PASS
		MCS0	242/61	16.5	16.31	15.32	19.29	84.918	23.98	PASS
46	5230	MCS0	full	17.5	18.32	17.81	21.52	141.906	23.98	PASS
		MCS0	242/62	17	16.21	15.88	19.50	89.125	23.98	PASS
54	5270	MCS0	full	15.5	18.55	18.01	21.74	149.279	23.98	PASS
		MCS0	242/61	15.5	14.82	14.35	18.04	63.680	23.98	PASS
62	5310	MCS0	full	16	18.03	18.01	21.47	140.281	23.98	PASS
		MCS0	242/62	16	14.53	14.16	17.80	60.256	23.98	PASS
102	5510	MCS0	full	15.5	17.85	17.81	21.28	134.276	23.98	PASS
		MCS0	242/61	16	14.93	14.31	18.08	64.269	23.98	PASS
110	5550	MCS0	full	16.5	17.81	17.46	21.09	128.529	23.98	PASS
		MCS1	242/61	16.5	14.81	14.14	17.94	62.230	23.98	PASS
		MCS2	242/62	16.5	14.76	13.91	17.80	60.256	23.98	PASS
134	5670	MCS3	full	16.5	18.03	17.77	21.35	136.458	23.98	PASS
		MCS0	242/62	16.5	14.71	14.63	18.12	64.863	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	16.5	18.01	17.73	21.32	135.519	23.98	PASS
		MCS0	242/61	16.5	14.81	14.44	18.08	64.269	23.98	PASS
		MCS0	242/62	16.5	14.58	14.47	17.97	62.661	23.98	PASS
151	5755	MCS0	full	20.5	23.24	22.31	26.25	421.697	30	PASS
		MCS0	242/61	20	19.82	18.74	22.76	188.799	30	PASS
159	5795	MCS0	full	22	24.61	23.36	27.48	559.758	30	PASS
		MCS0	242/62	21	21.66	19.87	24.31	269.774	30	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	16	17.83	17.43	21.39	137.721	23.98	PASS
		MCS0	484/65	16	14.41	14.03	17.98	62.806	23.98	PASS
58	5290	MCS0	full	16	17.66	17.11	21.15	130.317	23.98	PASS
		MCS0	484/66	16.5	14.98	14.26	18.39	69.024	23.98	PASS
106	5530	MCS0	full	17	17.88	17.77	21.58	143.880	23.98	PASS
		MCS0	484/65	17.5	15.06	14.69	18.64	73.114	23.98	PASS
138	5690 (U-NII 2C)	MCS0	full	17.5	18.18	17.99	21.84	152.757	23.98	PASS
		MCS0	484/65	17.5	14.81	14.64	18.48	70.469	23.98	PASS
		MCS0	484/66	17.5	14.92	14.44	18.44	69.823	23.98	PASS
155	5775	MCS0	full	19.5	21.11	20.02	24.36	272.898	30	PASS
		MCS0	484/65	19.5	17.91	17.16	21.31	135.207	30	PASS
		MCS0	484/66	19.5	18.48	17.26	21.67	146.893	30	PASS



Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 26.7°C

Test date: February 14 ~ May 10, 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	13.5	15.52	14.95	18.44	69.823	30	PASS
44	5220	MCS0	15	16.26	16.01	19.33	85.704	30	PASS
48	5240	MCS0	11	12.33	11.81	15.28	33.729	30	PASS
52	5260	MCS0	11.5	13.21	12.45	16.04	40.179	23.98	PASS
60	5300	MCS0	13	13.51	13.41	16.66	46.345	23.98	PASS
64	5320	MCS0	13	13.55	13.35	16.65	46.238	23.98	PASS
100	5500	MCS0	12.5	13.25	13.01	16.33	42.954	23.98	PASS
116	5580	MCS0	12.5	13.22	12.95	16.28	42.462	23.98	PASS
140	5700	MCS0	13.5	13.51	13.35	16.63	46.026	23.97	PASS
144	5720(U-NII 2C)	MCS0	13.5	12.19	12.09	15.34	34.194	22.75	PASS
144	5720 (U-NII 3)	MCS0	13.5	7.46	7.29	10.58	11.418	30	PASS
149	5745	MCS0	17.5	19.85	19.13	22.70	186.209	30	PASS
157	5785	MCS0	15	17.41	16.13	20.01	100.231	30	PASS
165	5825	MCS0	18.5	20.41	20.33	23.57	227.510	30	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	14	16.33	15.47	19.30	85.114	30	PASS
46	5230	MCS0	15.5	16.91	16.59	20.13	103.039	30	PASS
54	5270	MCS0	14	15.96	15.01	18.89	77.446	23.98	PASS
62	5310	MCS0	14.5	15.41	15.21	18.69	73.961	23.98	PASS
102	5510	MCS0	14.5	15.49	15.23	18.74	74.817	23.98	PASS
110	5550	MCS0	16	16.51	15.63	19.47	88.512	23.98	PASS
134	5670	MCS0	15	15.61	15.33	18.85	76.736	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	15.09	14.86	18.36	68.489	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	6.67	6.14	9.79	9.534	30	PASS
151	5755	MCS0	18	19.91	19.13	22.92	195.884	30	PASS
159	5795	MCS0	18	20.04	18.89	22.88	194.089	30	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	10.5	13.31	12.47	16.64	46.132	30	PASS
58	5290	MCS0	11	13.26	12.71	16.72	46.989	23.98	PASS
106	5530	MCS0	12.5	14.11	13.89	17.73	59.293	23.98	PASS
138	5690(U-NII 2C)	MCS0	13.5	14.57	14.30	18.17	65.628	23.98	PASS
138	5690 (U-NII 3)	MCS0	13.5	2.58	2.15	6.10	4.076	30	PASS
155	5775	MCS0	15	17.61	15.84	20.54	113.240	30	PASS



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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	17.73	16.75	20.52	112.720	30	PASS
44	5220	MCS0	full	14	17.26	17.04	20.40	109.648	30	PASS
48	5240	MCS0	full	13.5	16.93	16.55	19.99	99.770	30	PASS
52	5260	MCS0	full	10.5	14.65	14.33	17.74	59.429	23.98	PASS
60	5300	MCS0	full	11.5	14.29	14.13	17.46	55.719	23.98	PASS
64	5320	MCS0	full	11.5	14.34	14.28	17.56	57.016	23.98	PASS
100	5500	MCS0	full	11	14.33	13.99	17.41	55.081	23.98	PASS
116	5580	MCS0	full	12	14.91	14.79	18.10	64.565	23.98	PASS
140	5700	MCS0	full	12	14.04	13.94	17.24	52.966	23.98	PASS
144	5720	MCS0	full	11.5	14.19	13.91	17.30	53.703	22.96	PASS
149	5745	MCS0	full	16	19.43	18.62	22.29	169.434	30	PASS
157	5785	MCS0	full	16.5	20.42	19.21	23.11	204.644	30	PASS
165	5825	MCS0	full	17	20.69	20.46	23.83	241.546	30	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	15.59	15.01	18.76	75.162	30	PASS
46	5230	MCS0	full	12.5	15.41	14.91	18.61	72.611	30	PASS
54	5270	MCS0	full	12	15.43	14.65	18.50	70.795	23.98	PASS
62	5310	MCS0	full	12.5	14.89	14.75	18.27	67.143	23.98	PASS
102	5510	MCS0	full	12.5	15.13	14.61	18.32	67.920	23.98	PASS
110	5550	MCS0	full	12.5	14.81	13.93	17.84	60.814	23.98	PASS
134	5670	MCS3	full	12.5	14.87	14.53	18.15	65.313	23.98	PASS
142	5710	MCS0	full	13	15.21	14.97	18.54	71.450	23.98	PASS
151	5755	MCS0	full	16.5	20.05	19.12	23.06	202.302	30	PASS
159	5795	MCS0	full	18	21.63	20.4	24.51	282.488	30	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	15.15	14.18	18.47	70.307	30	PASS
58	5290	MCS0	full	12.5	14.43	13.85	17.93	62.087	23.98	PASS
106	5530	MCS0	full	13.5	14.86	14.46	18.45	69.984	23.98	PASS
138	5690	MCS0	full	14	15.03	14.7	18.65	73.282	23.98	PASS
155	5775	MCS0	full	16	18.19	17.31	21.55	142.889	30	PASS

Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 26.7°C

Test date: February 14 ~ May 12, 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	11.5	13.11	12.57	16.05	40.272	23.98	PASS
44	5220	MCS0	12	13.19	12.54	16.08	40.551	23.98	PASS
48	5240	MCS0	10	11.23	10.85	14.25	26.607	23.98	PASS
52	5260	MCS0	11.5	13.09	12.33	15.93	39.174	23.98	PASS
60	5300	MCS0	13	13.44	13.35	16.60	45.709	23.98	PASS
64	5320	MCS0	13	13.49	13.33	16.61	45.814	23.98	PASS
100	5500	MCS0	12.5	13.21	12.97	16.30	42.658	23.98	PASS
116	5580	MCS0	12.5	13.19	12.89	16.25	42.170	23.98	PASS
140	5700	MCS0	13.5	13.44	13.33	16.59	45.604	23.98	PASS
144	5720	MCS0	13.5	13.41	13.29	16.55	45.193	23.98	PASS
149	5745	MCS0	17.5	19.8	18.85	22.55	179.887	30	PASS
157	5785	MCS0	15	17.21	16.11	19.90	97.724	30	PASS
165	5825	MCS0	18.5	20.34	20.24	23.49	223.357	30	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	14	16.12	15.33	19.12	81.658	23.98	PASS
46	5230	MCS0	15.5	15.51	15.14	18.71	74.302	23.98	PASS
54	5270	MCS0	14	15.88	14.83	18.76	75.162	23.98	PASS
62	5310	MCS0	14.5	14.97	14.89	18.31	67.764	23.98	PASS
102	5510	MCS0	14.5	15.23	14.89	18.44	69.823	23.98	PASS
110	5550	MCS0	16	15.93	15.04	18.89	77.446	23.98	PASS
134	5670	MCS0	15	14.89	14.71	18.18	65.766	23.98	PASS
142	5710	MCS0	15	15.31	15.22	18.65	73.207	23.98	PASS
151	5755	MCS0	18	19.67	18.52	22.51	178.238	30	PASS
159	5795	MCS0	18	19.3	18.16	22.15	164.059	30	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	10.5	13.25	12.41	16.58	45.499	23.98	PASS
58	5290	MCS0	11	13.13	12.65	16.62	45.920	23.98	PASS
106	5530	MCS0	12.5	14.07	13.75	17.64	58.076	23.98	PASS
138	5690	MCS0	13.5	14.76	14.32	18.28	67.234	23.98	PASS
155	5775	MCS0	15	17.42	15.91	20.46	111.173	30	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	10.5	14.06	13.06	16.84	48.306	23.98	PASS
44	5220	MCS0	full	11	13.54	13.25	16.65	46.238	23.98	PASS
48	5240	MCS0	full	11	13.61	13.27	16.69	46.666	23.98	PASS
52	5260	MCS0	full	10.5	14.39	13.72	17.32	53.951	23.98	PASS
60	5300	MCS0	full	11.5	14.18	14.09	17.38	54.702	23.98	PASS
64	5320	MCS0	full	11.5	14.28	14.21	17.49	56.105	23.98	PASS
100	5500	MCS0	full	11	13.85	13.44	16.90	48.978	23.98	PASS
116	5580	MCS0	full	12	14.69	14.51	17.85	60.954	23.98	PASS
140	5700	MCS0	full	12	13.84	13.59	16.97	49.774	23.98	PASS
144	5720	MCS0	full	11.5	13.88	13.56	16.97	49.811	23.98	PASS
149	5745	MCS0	full	16	19.13	18.33	22.00	158.489	30	PASS
157	5785	MCS0	full	16.5	20.36	19.05	23.00	199.526	30	PASS
165	5825	MCS0	full	17	20.36	20.12	23.49	223.357	30	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	15.61	14.85	18.70	74.131	23.98	PASS
46	5230	MCS0	full	12.5	15.1	14.81	18.41	69.343	23.98	PASS
54	5270	MCS0	full	12	15.24	14.49	18.33	68.077	23.98	PASS
62	5310	MCS0	full	12.5	14.62	14.55	18.03	63.533	23.98	PASS
102	5510	MCS0	full	12.5	14.63	14.21	17.87	61.235	23.98	PASS
110	5550	MCS0	full	12.5	14.65	14.01	17.79	61.235	23.98	PASS
134	5670	MCS0	full	12.5	14.81	14.49	18.10	64.565	23.98	PASS
142	5710	MCS0	full	13	14.87	14.61	18.19	65.951	23.98	PASS
151	5755	MCS0	full	16.5	20.01	19.08	23.02	200.447	30	PASS
159	5795	MCS0	full	18	21.47	20.22	24.34	271.644	30	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	15.01	14.03	18.31	67.764	23.98	PASS
58	5290	MCS0	full	12.5	14.35	13.76	17.82	60.534	23.98	PASS
106	5530	MCS0	full	13.5	14.57	14.2	18.15	65.313	23.98	PASS
138	5690	MCS0	full	14	14.95	14.53	18.51	70.882	23.98	PASS
155	5775	MCS0	full	14	17.95	16.84	21.19	131.522	30	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]

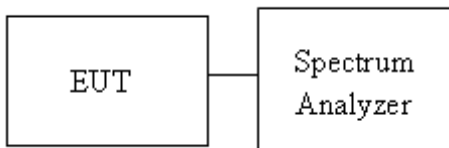
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4.4.2 Test Procedure

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



Report No.: TMWK2201000111KR

4.4.4 Test Result

Temperature: 16.5 ~ 25.3°C
Humidity: 46 ~ 68% RH

Test date: February 11 ~ May 18, 2022
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	12.352	13.189	0.18	15.98		17.00 dBm/MHz	-1.02
5220	9.293	8.912	0.18	12.30		17.00 dBm/MHz	-4.70
5240	10.382	10.474	0.18	13.62		17.00 dBm/MHz	-3.38
5260	7.911	7.451	0.18	10.88		11.00 dBm/MHz	-0.12
5300	7.470	7.195	0.18	10.52		11.00 dBm/MHz	-0.48
5320	7.418	7.373	0.18	10.59		11.00 dBm/MHz	-0.41
5500	7.489	7.786	0.18	10.83		11.00 dBm/MHz	-0.17
5580	7.867	7.479	0.18	10.87		11.00 dBm/MHz	-0.13
5700	7.757	7.704	0.18	10.92		11.00 dBm/MHz	-0.08
5720 (U-NII 2C)	7.755	7.735	0.18	10.94		11.00 dBm/MHz	-0.06
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)	1.113	1.158	0.18	2.22	6.55	30.00 dBm/500kHz	-23.45
5745	6.706	5.946	0.18	2.22	11.75	30.00 dBm/500kHz	-18.25
5785	4.604	3.533	0.18	2.22	9.51	30.00 dBm/500kHz	-20.49
5825	4.965	5.486	0.18	2.22	10.64	30.00 dBm/500kHz	-19.36



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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	8.902	9.464	0.19	12.39		17.00 dBm/MHz	-4.61
5220	10.013	9.663	0.19	13.04		17.00 dBm/MHz	-3.96
5240	7.279	7.236	0.19	10.46		17.00 dBm/MHz	-6.54
5260	7.538	7.235	0.19	10.59		11.00 dBm/MHz	-0.41
5300	7.395	7.679	0.19	10.74		11.00 dBm/MHz	-0.26
5320	7.214	7.767	0.19	10.70		11.00 dBm/MHz	-0.30
5500	7.802	7.614	0.19	10.91		11.00 dBm/MHz	-0.09
5580	7.895	7.545	0.19	10.92		11.00 dBm/MHz	-0.08
5700	7.867	7.472	0.19	10.87		11.00 dBm/MHz	-0.13
5720 (U-NII 2C)	7.927	7.542	0.19	10.94		11.00 dBm/MHz	-0.06
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)	1.848	0.875	0.19	2.22	6.81	30.00 dBm/500kHz	-23.19
5745	8.496	8.037	0.19	2.22	13.69	30.00 dBm/500kHz	-16.31
5785	5.465	4.337	0.19	2.22	10.36	30.00 dBm/500kHz	-19.64
5825	8.808	8.445	0.19	2.22	14.05	30.00 dBm/500kHz	-15.95



Report No.: TMWK2201000111KR

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	7.953	8.450	0.37	11.59		17.00 dBm/MHz	-5.41
5230	8.317	7.813	0.37	11.45		17.00 dBm/MHz	-5.55
5270	6.332	5.589	0.37	9.36		11.00 dBm/MHz	-1.64
5310	5.656	6.056	0.37	9.24		11.00 dBm/MHz	-1.76
5510	6.085	5.823	0.37	9.34		11.00 dBm/MHz	-1.66
5550	6.184	6.953	0.37	9.97		11.00 dBm/MHz	-1.03
5670	5.916	6.609	0.37	9.66		11.00 dBm/MHz	-1.34
5710 (U-NII 2C)	6.033	5.682	0.37	9.24		11.00 dBm/MHz	-1.76
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)	-3.304	-4.448	0.37	2.22	1.76	30.00 dBm/500kHz	-28.24
5755	5.511	5.572	0.37	2.22	11.14	30.00 dBm/500kHz	-18.86
5795	5.527	5.216	0.37	2.22	10.97	30.00 dBm/500kHz	-19.03

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	0.060	0.798	0.72	4.17		17.00 dBm/MHz	-12.83
5290	1.430	0.058	0.72	4.53		11.00 dBm/MHz	-6.47
5530	1.698	2.345	0.72	5.76		11.00 dBm/MHz	-5.24
5690 (U-NII 2C)	2.483	2.950	0.72	6.45		11.00 dBm/MHz	-4.55
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)	-8.207	-6.173	0.72	2.22	-1.12	30.00 dBm/500kHz	-31.12
5775	-0.122	-0.252	0.72	2.22	5.76	30.00 dBm/500kHz	-24.24

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	11.272	11.155	0.24	14.46	17.00	dBm/MHz	-2.54
	26/0	10.529	11.119	0.24	14.08	17.00	dBm/MHz	-2.92
	52/37	10.963	10.861	0.24	14.16	17.00	dBm/MHz	-2.84
	106/53	10.313	10.902	0.24	13.87	17.00	dBm/MHz	-3.13
5220	full	10.821	10.626	0.24	13.97	17.00	dBm/MHz	-3.03
	26/0	9.570	9.603	0.24	12.84	17.00	dBm/MHz	-4.16
	26/8	9.710	10.355	0.24	13.29	17.00	dBm/MHz	-3.71
	52/37	9.192	9.720	0.24	12.71	17.00	dBm/MHz	-4.29
	52/40	9.659	10.063	0.24	13.12	17.00	dBm/MHz	-3.88
	106/53	10.310	9.826	0.24	13.33	17.00	dBm/MHz	-3.67
	106/54	10.490	10.050	0.24	13.53	17.00	dBm/MHz	-3.47
5240	full	10.746	10.378	0.24	13.82	17.00	dBm/MHz	-3.18
	26/8	9.894	10.029	0.24	13.21	17.00	dBm/MHz	-3.79
	52/40	9.572	9.995	0.24	13.04	17.00	dBm/MHz	-3.96
	106/54	10.427	10.128	0.24	13.53	17.00	dBm/MHz	-3.47
5260	full	7.811	7.384	0.24	10.85	11.00	dBm/MHz	-0.15
	26/0	7.257	6.595	0.24	10.19	11.00	dBm/MHz	-0.81
	52/37	7.501	6.750	0.24	10.39	11.00	dBm/MHz	-0.61
	106/53	6.918	6.464	0.24	9.95	11.00	dBm/MHz	-1.05
5300	full	7.525	7.677	0.24	10.85	11.00	dBm/MHz	-0.15
	26/0	6.034	5.960	0.24	9.25	11.00	dBm/MHz	-1.75
	26/8	5.740	5.675	0.24	8.96	11.00	dBm/MHz	-2.04
	52/37	5.800	5.855	0.24	9.08	11.00	dBm/MHz	-1.92
	52/40	6.019	5.737	0.24	9.13	11.00	dBm/MHz	-1.87
	106/53	5.695	5.670	0.24	8.93	11.00	dBm/MHz	-2.07
	106/54	6.133	6.255	0.24	9.44	11.00	dBm/MHz	-1.56
5320	full	7.501	7.661	0.24	10.83	11.00	dBm/MHz	-0.17
	26/8	6.917	6.402	0.24	9.92	11.00	dBm/MHz	-1.08
	52/40	7.058	7.217	0.24	10.39	11.00	dBm/MHz	-0.61
	106/54	7.309	7.319	0.24	10.56	11.00	dBm/MHz	-0.44

5500	full	7.222	7.486	0.24	10.61	11.00	dBm/MHz	-0.39
	26/0	6.765	6.972	0.24	10.12	11.00	dBm/MHz	-0.88
	52/37	6.893	7.080	0.24	10.24	11.00	dBm/MHz	-0.76
	106/53	6.499	6.927	0.24	9.97	11.00	dBm/MHz	-1.03
5580	full	7.699	7.531	0.24	10.87	11.00	dBm/MHz	-0.13
	26/0	7.642	7.305	0.24	10.73	11.00	dBm/MHz	-0.27
	26/8	7.097	7.492	0.24	10.55	11.00	dBm/MHz	-0.45
	52/37	7.487	7.282	0.24	10.64	11.00	dBm/MHz	-0.36
	52/40	7.051	6.921	0.24	10.24	11.00	dBm/MHz	-0.76
	106/53	6.933	7.132	0.24	10.28	11.00	dBm/MHz	-0.72
	106/54	6.942	7.571	0.24	10.52	11.00	dBm/MHz	-0.48
5700	full	7.578	7.498	0.24	10.79	11.00	dBm/MHz	-0.21
	26/8	7.289	6.699	0.24	10.25	11.00	dBm/MHz	-0.75
	52/40	6.909	7.048	0.24	10.23	11.00	dBm/MHz	-0.77
	106/54	7.244	7.183	0.24	10.46	11.00	dBm/MHz	-0.54
5720	full	7.418	7.322	0.24	10.62	11.00	dBm/MHz	-0.38
	26/0	7.294	6.727	0.24	10.27	11.00	dBm/MHz	-0.73
	26/8	6.880	7.246	0.24	10.32	11.00	dBm/MHz	-0.68
	52/37	6.924	6.515	0.24	9.97	11.00	dBm/MHz	-1.03
	52/40	7.218	6.605	0.24	10.17	11.00	dBm/MHz	-0.83
	106/53	6.348	6.440	0.24	9.64	11.00	dBm/MHz	-1.36
	106/54	6.955	6.157	0.24	9.82	11.00	dBm/MHz	-1.18
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	1.904	0.570	0.24	2.22	6.76	30.00 dBm/500kHz	-23.24
5745	full	7.631	7.703	0.24	2.22	13.14	30.00 dBm/500kHz	-16.86
	26/0	7.832	6.540	0.24	2.22	12.70	30.00 dBm/500kHz	-17.30
	52/37	7.598	6.080	0.24	2.22	12.38	30.00 dBm/500kHz	-17.62
	106/53	7.669	6.614	0.24	2.22	12.64	30.00 dBm/500kHz	-17.36
5785	full	8.211	7.501	0.24	2.22	13.34	30.00 dBm/500kHz	-16.66
	26/0	8.252	6.775	0.24	2.22	13.05	30.00 dBm/500kHz	-16.95
	26/8	7.825	7.212	0.24	2.22	13.00	30.00 dBm/500kHz	-17.00
	52/37	8.316	6.986	0.24	2.22	13.17	30.00 dBm/500kHz	-16.83
	52/40	8.451	6.680	0.24	2.22	13.13	30.00 dBm/500kHz	-16.87
	106/53	7.981	7.169	0.24	2.22	13.06	30.00 dBm/500kHz	-16.94
	106/54	7.930	7.485	0.24	2.22	13.18	30.00 dBm/500kHz	-16.82
5825	full	8.683	8.721	0.24	2.22	14.17	30.00 dBm/500kHz	-15.83
	26/8	8.131	8.447	0.24	2.22	13.76	30.00 dBm/500kHz	-16.24
	52/40	8.433	8.272	0.24	2.22	13.82	30.00 dBm/500kHz	-16.18
	106/54	7.843	7.310	0.24	2.22	13.05	30.00 dBm/500kHz	-16.95



Report No.: TMWK2201000111KR

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	7.685	7.418	0.44	11.00		17.00 dBm/MHz	-6.00
	242/61	6.906	7.573	0.44	10.70		17.00 dBm/MHz	-6.30
5230	full	7.905	7.795	0.44	11.30		17.00 dBm/MHz	-5.70
	242/62	7.557	7.248	0.44	10.86		17.00 dBm/MHz	-6.14
5270	full	6.560	6.117	0.44	9.79		11.00 dBm/MHz	-1.21
	242/61	5.749	5.546	0.44	9.10		11.00 dBm/MHz	-1.90
5310	full	5.610	5.367	0.44	8.94		11.00 dBm/MHz	-2.06
	242/62	5.399	4.524	0.44	8.43		11.00 dBm/MHz	-2.57
5510	full	5.773	5.246	0.44	8.97		11.00 dBm/MHz	-2.03
	242/61	5.582	5.393	0.44	8.94		11.00 dBm/MHz	-2.06
5550	full	5.566	4.275	0.44	8.42		11.00 dBm/MHz	-2.58
	242/61	4.237	5.414	0.44	8.32		11.00 dBm/MHz	-2.68
	242/62	4.231	4.865	0.44	8.01		11.00 dBm/MHz	-2.99
5670	full	6.229	6.700	0.44	9.92		11.00 dBm/MHz	-1.08
	242/62	5.670	6.344	0.44	9.47		11.00 dBm/MHz	-1.53
5710	full	6.331	5.965	0.44	9.60		11.00 dBm/MHz	-1.40
	242/61	5.502	5.417	0.44	8.91		11.00 dBm/MHz	-2.09
	242/62	5.427	5.702	0.44	9.02		11.00 dBm/MHz	-1.98
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	-1.963	-3.238	0.44	2.22	3.12	30.00 dBm/500kHz	-26.88
	242/62	-2.152	-3.315	0.44	2.22	2.98	30.00 dBm/500kHz	-27.02
5755	full	6.186	5.269	0.44	2.22	11.42	30.00 dBm/500kHz	-18.58
	242/61	6.088	5.289	0.44	2.22	11.38	30.00 dBm/500kHz	-18.62
5795	full	7.319	6.799	0.44	2.22	12.74	30.00 dBm/500kHz	-17.26
	242/62	7.597	5.786	0.44	2.22	12.46	30.00 dBm/500kHz	-17.54



Report No.: TMWK2201000111KR

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	3.497	3.736	0.77	7.40		17.00 dBm/MHz	-9.60
	484/65	2.465	3.151	0.77	6.60		17.00 dBm/MHz	-10.40
5290	full	2.711	2.756	0.77	6.51		11.00 dBm/MHz	-4.49
	484/66	2.804	2.089	0.77	6.24		11.00 dBm/MHz	-4.76
5530	full	3.332	3.173	0.77	7.03		11.00 dBm/MHz	-3.97
	484/65	2.723	3.270	0.77	6.79		11.00 dBm/MHz	-4.21
5690	full	3.651	4.069	0.77	7.65		11.00 dBm/MHz	-3.35
	484/65	2.870	4.248	0.77	7.39		11.00 dBm/MHz	-3.61
	484/66	3.171	3.729	0.77	7.24		11.00 dBm/MHz	-11.00
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	-8.161	-6.841	0.77	2.22	-1.45	30.00 dBm/500kHz	-31.45
	484/66	-8.925	-7.755	0.77	2.22	-2.30	30.00 dBm/500kHz	-32.30
5775	full	1.254	1.739	0.77	2.22	7.50	30.00 dBm/500kHz	-22.50
	484/65	1.546	0.268	0.77	2.22	6.95	30.00 dBm/500kHz	-23.05
	484/66	1.246	0.175	0.77	2.22	6.74	30.00 dBm/500kHz	-23.26



Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 25.3°C

Test date: February 11 ~ May 18, 2022

Humidity: 46 ~ 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	6.888	7.542	0.18	10.42		11.00 dBm/MHz	-0.58
5220	7.406	7.564	0.18	10.68		11.00 dBm/MHz	-0.32
5240	7.180	7.290	0.18	10.43		11.00 dBm/MHz	-0.57
5260	7.945	6.625	0.18	10.53		11.00 dBm/MHz	-0.47
5300	7.370	7.589	0.18	10.67		11.00 dBm/MHz	-0.33
5320	7.574	7.715	0.18	10.84		11.00 dBm/MHz	-0.16
5500	6.979	7.992	0.18	10.71		11.00 dBm/MHz	-0.29
5580	6.707	7.183	0.18	10.14		11.00 dBm/MHz	-0.86
5700	7.459	7.730	0.18	10.79		11.00 dBm/MHz	-0.21
5720 (U-NII 2C)	7.160	7.215	0.18	10.38		11.00 dBm/MHz	-0.62
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)	0.689	0.630	0.18	2.22	6.07	30.00 dBm/500kHz	-23.93
5745	7.241	6.327	0.18	2.22	12.22	30.00 dBm/500kHz	-17.78
5785	4.798	3.718	0.18	2.22	9.70	30.00 dBm/500kHz	-20.30
5825	5.161	5.493	0.18	2.22	10.74	30.00 dBm/500kHz	-19.26



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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	7.038	7.952	0.19	10.72		11.00 dBm/MHz	-0.28
5220	7.072	7.433	0.19	10.46		11.00 dBm/MHz	-0.54
5240	5.325	6.276	0.19	9.03		11.00 dBm/MHz	-1.97
5260	7.382	6.434	0.19	10.13		11.00 dBm/MHz	-0.87
5300	7.621	7.543	0.19	10.78		11.00 dBm/MHz	-0.22
5320	7.072	7.641	0.19	10.57		11.00 dBm/MHz	-0.43
5500	7.812	7.596	0.19	10.91		11.00 dBm/MHz	-0.09
5580	7.874	7.254	0.19	10.78		11.00 dBm/MHz	-0.22
5700	7.740	7.454	0.19	10.80		11.00 dBm/MHz	-0.20
5720 (U-NII 2C)	7.967	7.559	0.19	10.97		11.00 dBm/MHz	-0.03
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)	1.665	1.506	0.19	2.22	7.01	30.00 dBm/500kHz	-22.99
5745	8.659	8.534	0.19	2.22	14.02	30.00 dBm/500kHz	-15.98
5785	8.448	8.207	0.19	2.22	13.75	30.00 dBm/500kHz	-16.25
5825	8.401	7.942	0.19	2.22	13.60	30.00 dBm/500kHz	-16.40



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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	7.086	7.720	0.37	10.79		11.00 dBm/MHz	-0.21
5230	6.745	6.822	0.37	10.16		11.00 dBm/MHz	-0.84
5270	7.335	6.775	0.37	10.44		11.00 dBm/MHz	-0.56
5310	6.630	6.387	0.37	9.89		11.00 dBm/MHz	-1.11
5510	6.213	6.522	0.37	9.75		11.00 dBm/MHz	-1.25
5550	6.694	6.933	0.37	10.20		11.00 dBm/MHz	-0.80
5670	6.589	6.766	0.37	10.06		11.00 dBm/MHz	-0.94
5710 (U-NII 2C)	7.188	7.095	0.37	10.52		11.00 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)	-2.982	-2.608	0.37	2.22	2.81	30.00 dBm/500kHz	-27.19
5755	6.739	5.596	0.37	2.22	11.81	30.00 dBm/500kHz	-18.19
5795	6.228	5.883	0.37	2.22	11.66	30.00 dBm/500kHz	-18.34

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	1.475	2.004	0.72	5.48		11.00 dBm/MHz	-5.52
5290	1.975	2.211	0.72	5.82		11.00 dBm/MHz	-5.18
5530	2.083	2.443	0.72	6.00		11.00 dBm/MHz	-5.00
5690 (U-NII 2C)	3.402	3.792	0.72	7.33		11.00 dBm/MHz	-3.67
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)	-8.122	-8.021	0.72	2.22	-2.12	30.00 dBm/500kHz	-32.12
5775	1.073	-0.184	0.72	2.22	6.44	30.00 dBm/500kHz	-23.56

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	6.934	7.846	0.24	10.66	11.00	dBm/MHz	-0.34
	26/0	6.591	7.554	0.24	10.35	11.00	dBm/MHz	-0.65
	52/37	7.176	7.452	0.24	10.57	11.00	dBm/MHz	-0.43
	106/53	6.914	7.388	0.24	10.41	11.00	dBm/MHz	-0.59
5220	full	7.148	7.279	0.24	10.46	11.00	dBm/MHz	-0.54
	26/0	6.938	6.885	0.24	10.16	11.00	dBm/MHz	-0.84
	26/8	6.696	7.024	0.24	10.11	11.00	dBm/MHz	-0.89
	52/37	6.548	6.715	0.24	9.88	11.00	dBm/MHz	-1.12
	52/40	6.468	7.078	0.24	10.03	11.00	dBm/MHz	-0.97
	106/53	6.880	6.319	0.24	9.86	11.00	dBm/MHz	-1.14
	106/54	6.074	6.663	0.24	9.63	11.00	dBm/MHz	-1.37
5240	full	7.006	7.146	0.24	10.33	11.00	dBm/MHz	-0.67
	26/8	6.770	7.034	0.24	10.15	11.00	dBm/MHz	-0.85
	52/40	6.554	7.520	0.24	10.31	11.00	dBm/MHz	-0.69
	106/54	6.555	6.615	0.24	9.84	11.00	dBm/MHz	-1.16
5260	full	7.044	7.099	0.24	10.32	11.00	dBm/MHz	-0.68
	26/0	6.745	6.349	0.24	9.80	11.00	dBm/MHz	-1.20
	52/37	6.887	6.026	0.24	9.73	11.00	dBm/MHz	-1.27
	106/53	6.792	6.176	0.24	9.75	11.00	dBm/MHz	-1.25
5300	full	7.206	7.320	0.24	10.51	11.00	dBm/MHz	-0.49
	26/0	6.886	6.558	0.24	9.98	11.00	dBm/MHz	-1.02
	26/8	5.933	5.421	0.24	8.93	11.00	dBm/MHz	-2.07
	52/37	5.307	6.033	0.24	8.94	11.00	dBm/MHz	-2.06
	52/40	6.448	5.951	0.24	9.46	11.00	dBm/MHz	-1.54
	106/53	5.863	6.104	0.24	9.24	11.00	dBm/MHz	-1.76
	106/54	6.057	5.684	0.24	9.12	11.00	dBm/MHz	-1.88
5320	full	7.209	7.565	0.24	10.64	11.00	dBm/MHz	-0.36
	26/8	6.615	6.982	0.24	10.05	11.00	dBm/MHz	-0.95
	52/40	7.044	7.531	0.24	10.54	11.00	dBm/MHz	-0.46
	106/54	6.900	7.190	0.24	10.30	11.00	dBm/MHz	-0.70



5500	full	7.510	7.219	0.24	10.62	11.00	dBm/MHz	-0.38
	26/0	6.441	6.937	0.24	9.95	11.00	dBm/MHz	-1.05
	52/37	6.886	6.716	0.24	10.05	11.00	dBm/MHz	-0.95
	106/53	6.674	7.197	0.24	10.19	11.00	dBm/MHz	-0.81
5580	full	7.128	7.594	0.24	10.62	11.00	dBm/MHz	-0.38
	26/0	6.877	7.331	0.24	10.36	11.00	dBm/MHz	-0.64
	26/8	6.898	7.110	0.24	10.26	11.00	dBm/MHz	-0.74
	52/37	6.908	7.371	0.24	10.40	11.00	dBm/MHz	-0.60
	52/40	7.007	6.760	0.24	10.14	11.00	dBm/MHz	-0.86
	106/53	6.984	7.007	0.24	10.25	11.00	dBm/MHz	-0.75
	106/54	7.108	7.189	0.24	10.40	11.00	dBm/MHz	-0.60
5700	full	7.733	7.457	0.24	10.85	11.00	dBm/MHz	-0.15
	26/8	6.781	6.847	0.24	10.06	11.00	dBm/MHz	-0.94
	52/40	6.920	6.966	0.24	10.19	11.00	dBm/MHz	-0.81
	106/54	7.091	7.108	0.24	10.35	11.00	dBm/MHz	-0.65
5720	full	7.859	7.578	0.24	10.97	11.00	dBm/MHz	-0.03
	26/0	7.407	7.397	0.24	10.65	11.00	dBm/MHz	-0.35
	26/8	7.355	6.834	0.24	10.35	11.00	dBm/MHz	-0.65
	52/37	6.899	6.687	0.24	10.04	11.00	dBm/MHz	-0.96
	52/40	6.937	6.559	0.24	10.00	11.00	dBm/MHz	-1.00
	106/53	6.557	6.786	0.24	9.92	11.00	dBm/MHz	-1.08
	106/54	6.681	6.538	0.24	9.86	11.00	dBm/MHz	-1.14
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	1.439	1.423	0.24	2.22	6.90	30.00 dBm/500kHz	-23.10
5745	full	8.233	7.547	0.24	2.22	13.37	30.00 dBm/500kHz	-16.63
	26/0	7.186	6.764	0.24	2.22	12.45	30.00 dBm/500kHz	-17.55
	52/37	7.172	6.237	0.24	2.22	12.20	30.00 dBm/500kHz	-17.80
	106/53	7.310	6.579	0.24	2.22	12.43	30.00 dBm/500kHz	-17.57
5785	full	8.454	8.283	0.24	2.22	13.84	30.00 dBm/500kHz	-16.16
	26/0	7.636	6.280	0.24	2.22	12.48	30.00 dBm/500kHz	-17.52
	26/8	8.383	6.248	0.24	2.22	12.92	30.00 dBm/500kHz	-17.08
	52/37	8.361	7.218	0.24	2.22	13.30	30.00 dBm/500kHz	-16.70
	52/40	7.761	6.274	0.24	2.22	12.55	30.00 dBm/500kHz	-17.45
	106/53	8.251	6.717	0.24	2.22	13.02	30.00 dBm/500kHz	-16.98
	106/54	7.746	7.138	0.24	2.22	12.92	30.00 dBm/500kHz	-17.08
5825	full	8.771	8.453	0.24	2.22	14.09	30.00 dBm/500kHz	-15.91
	26/8	7.404	8.075	0.24	2.22	13.22	30.00 dBm/500kHz	-16.78
	52/40	8.127	8.191	0.24	2.22	13.63	30.00 dBm/500kHz	-16.37
	106/54	7.341	7.291	0.24	2.22	12.79	30.00 dBm/500kHz	-17.21



Report No.: TMWK2201000111KR

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	7.460	7.010	0.44	10.69		11.00 dBm/MHz	-0.31
	242/61	6.999	6.820	0.44	10.36		11.00 dBm/MHz	-0.64
5230	full	7.517	7.302	0.44	10.86		11.00 dBm/MHz	-0.14
	242/62	6.663	6.801	0.44	10.18		11.00 dBm/MHz	-0.82
5270	full	7.159	6.524	0.44	10.30		11.00 dBm/MHz	-0.70
	242/61	6.074	5.490	0.44	9.24		11.00 dBm/MHz	-1.76
5310	full	6.380	6.006	0.44	9.65		11.00 dBm/MHz	-1.35
	242/62	5.123	4.257	0.44	8.16		11.00 dBm/MHz	-2.84
5510	full	6.096	6.092	0.44	9.54		11.00 dBm/MHz	-1.46
	242/61	4.746	5.520	0.44	8.60		11.00 dBm/MHz	-2.40
5550	full	5.429	5.504	0.44	8.92		11.00 dBm/MHz	-2.08
	242/61	4.434	5.269	0.44	8.32		11.00 dBm/MHz	-2.68
	242/62	4.118	5.193	0.44	8.14		11.00 dBm/MHz	-2.86
5670	full	6.368	6.737	0.44	10.01		11.00 dBm/MHz	-0.99
	242/62	5.943	6.458	0.44	9.66		11.00 dBm/MHz	-1.34
5710	full	6.560	6.324	0.44	9.89		11.00 dBm/MHz	-1.11
	242/61	6.324	5.695	0.44	9.47		11.00 dBm/MHz	-1.53
	242/62	6.375	5.868	0.44	9.58		11.00 dBm/MHz	-1.42
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	-4.941	-3.124	0.44	2.22	1.73	30.00 dBm/500kHz	-28.27
5755	full	6.492	5.528	0.44	2.22	11.71	30.00 dBm/500kHz	-18.29
	242/61	6.049	4.078	0.44	2.22	10.84	30.00 dBm/500kHz	-19.16
5795	full	7.584	6.700	0.44	2.22	12.83	30.00 dBm/500kHz	-17.17
	242/62	6.755	5.060	0.44	2.22	11.66	30.00 dBm/500kHz	-18.34



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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	3.464	4.172	0.75	7.59		11.00 dBm/MHz	-3.41
	484/65	2.961	4.141	0.75	7.35		11.00 dBm/MHz	-3.65
5290	full	3.276	2.860	0.75	6.83		11.00 dBm/MHz	-4.17
	484/66	2.504	2.827	0.75	6.43		11.00 dBm/MHz	-4.57
5530	full	3.600	3.844	0.75	7.48		11.00 dBm/MHz	-3.52
	484/65	3.220	3.149	0.75	6.94		11.00 dBm/MHz	-4.06
5690	full	3.409	4.179	0.75	7.57		11.00 dBm/MHz	-3.43
	484/65	2.604	3.370	0.75	6.76		11.00 dBm/MHz	-4.24
	484/66	2.763	3.747	0.75	7.04		11.00 dBm/MHz	-3.96
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	-8.269	-6.325	0.75	2.22	-1.21	30.00 dBm/500kHz	-31.21
5775	full	1.623	-0.397	0.75	2.22	6.71	30.00 dBm/500kHz	-23.29
	484/65	0.950	-0.043	0.75	2.22	6.46	30.00 dBm/500kHz	-23.54
	484/66	1.056	0.033	0.75	2.22	6.55	30.00 dBm/500kHz	-23.45



Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 26.7°C

Test date: February 14 ~ May 10, 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	6.429	5.946	0.19	9.39		17.00 dBm/MHz	-7.61
5220	7.372	6.509	0.19	10.16		17.00 dBm/MHz	-6.84
5240	3.644	3.084	0.19	6.57		17.00 dBm/MHz	-10.43
5260	4.616	5.374	0.19	8.21		11.00 dBm/MHz	-2.79
5300	5.197	4.649	0.19	8.13		11.00 dBm/MHz	-2.87
5320	5.144	5.160	0.19	8.35		11.00 dBm/MHz	-2.65
5500	5.670	6.470	0.19	9.29		11.00 dBm/MHz	-1.71
5580	6.313	5.385	0.19	9.07		11.00 dBm/MHz	-1.93
5700	5.800	5.605	0.19	8.90		11.00 dBm/MHz	-2.10
5720 (U-NII 2C)	5.731	5.692	0.19	8.91		11.00 dBm/MHz	-2.09
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)	-1.424	0.492	0.19	2.22	5.06	30.00 dBm/500kHz	-24.94
5745	4.756	5.715	0.19	2.22	10.68	30.00 dBm/500kHz	-19.32
5785	1.081	1.944	0.19	2.22	6.95	30.00 dBm/500kHz	-23.05
5825	5.021	5.745	0.19	2.22	10.82	30.00 dBm/500kHz	-19.18



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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	4.711	3.574	0.37	7.56		17.00 dBm/MHz	-9.44
5230	5.191	5.173	0.37	8.56		17.00 dBm/MHz	-8.44
5270	2.797	3.387	0.37	6.48		11.00 dBm/MHz	-4.52
5310	2.535	2.878	0.37	6.09		11.00 dBm/MHz	-4.91
5510	3.725	3.519	0.37	7.00		11.00 dBm/MHz	-4.00
5550	3.864	3.250	0.37	6.95		11.00 dBm/MHz	-4.05
5670	3.418	3.365	0.37	6.77		11.00 dBm/MHz	-4.23
5710 (U-NII 2C)	3.337	3.834	0.37	6.97		11.00 dBm/MHz	-4.03
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)	-6.588	-7.138	0.37	2.22	-1.25	30.00 dBm/500kHz	-31.25
5755	2.703	3.056	0.37	2.22	8.48	30.00 dBm/500kHz	-21.52
5795	1.444	2.223	0.37	2.22	7.45	30.00 dBm/500kHz	-22.55

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	-1.962	-2.508	0.72	1.50		17.00 dBm/MHz	-15.50
5290	-2.939	-2.261	0.72	1.14		11.00 dBm/MHz	-9.86
5530	-1.523	-2.079	0.72	1.94		11.00 dBm/MHz	-9.06
5690 (U-NII 2C)	-0.333	-0.548	0.72	3.29		11.00 dBm/MHz	-7.71
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)	-10.899	-10.421	0.72	2.22	-4.70	30.00 dBm/500kHz	-34.70
5775	-4.151	-3.287	0.72	2.22	2.25	30.00 dBm/500kHz	-27.75



Report No.: TMWK2201000111KR

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	8.183	6.920	0.24	10.85		17.00 dBm/MHz	-6.15
5220	full	7.707	8.102	0.24	11.16		17.00 dBm/MHz	-5.84
5240	full	6.715	6.678	0.24	9.95		17.00 dBm/MHz	-7.05
5260	full	3.506	4.188	0.24	7.11		11.00 dBm/MHz	-3.89
5300	full	3.565	4.105	0.24	7.09		11.00 dBm/MHz	-3.91
5320	full	3.552	4.001	0.24	7.03		11.00 dBm/MHz	-3.97
5500	full	4.193	3.753	0.24	7.23		11.00 dBm/MHz	-3.77
5580	full	4.456	3.802	0.24	7.39		11.00 dBm/MHz	-3.61
5700	full	4.320	4.517	0.24	7.67		11.00 dBm/MHz	-3.33
5720	full	4.156	4.528	0.24	7.60		11.00 dBm/MHz	-3.40
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	-2.421	-1.239	0.24	2.22	3.68	30.00 dBm/500kHz	-26.32
5745	full	4.048	5.071	0.24	2.22	10.06	30.00 dBm/500kHz	-19.94
5785	full	3.463	5.026	0.24	2.22	9.78	30.00 dBm/500kHz	-20.22
5825	full	5.012	5.047	0.24	2.22	10.50	30.00 dBm/500kHz	-19.50

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	3.612	1.925	0.44	6.30		17.00 dBm/MHz	-10.70
5230	full	2.983	2.816	0.44	6.35		17.00 dBm/MHz	-10.65
5270	full	1.976	2.799	0.44	5.86		11.00 dBm/MHz	-5.14
5310	full	1.930	2.407	0.44	5.63		11.00 dBm/MHz	-5.37
5510	full	3.294	2.911	0.44	6.56		11.00 dBm/MHz	-4.44
5550	full	1.924	1.156	0.44	5.01		11.00 dBm/MHz	-5.99
5670	full	2.591	2.159	0.44	5.83		11.00 dBm/MHz	-5.17
5710	full	2.658	3.098	0.44	6.33		11.00 dBm/MHz	-4.67
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	-6.318	-7.355	0.44	2.22	-1.14	30.00 dBm/500kHz	-31.14
5755	full	1.588	3.010	0.44	2.22	8.03	30.00 dBm/500kHz	-21.97
5795	full	2.422	3.343	0.44	2.22	8.58	30.00 dBm/500kHz	-21.42



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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	0.178	-0.438	0.77	3.66		17.00 dBm/MHz	-13.34
5290	full	-2.111	-1.005	0.77	2.26		11.00 dBm/MHz	-8.74
5530	full	-0.760	-0.819	0.77	2.99		11.00 dBm/MHz	-8.01
5690	full	-0.278	-2.709	0.77	2.45		11.00 dBm/MHz	-8.55
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	-10.951	-12.487	0.77	2.22	-5.65	30.00 dBm/500kHz	-35.65
5775	full	-3.145	-2.053	0.77	2.22	3.44	30.00 dBm/500kHz	-26.56

Report No.: TMWK2201000111KR

Temperature: 16.5 ~ 26.7°C

Test date: February 14 ~ May 12, 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	4.604	4.232	0.19	7.62		11.00 dBm/MHz	-3.38
5220	4.627	4.341	0.19	7.69		11.00 dBm/MHz	-3.31
5240	2.949	2.304	0.19	5.84		11.00 dBm/MHz	-5.16
5260	3.392	4.127	0.19	6.98		11.00 dBm/MHz	-4.02
5300	3.761	3.661	0.19	6.91		11.00 dBm/MHz	-4.09
5320	3.762	3.853	0.19	7.01		11.00 dBm/MHz	-3.99
5500	4.427	3.857	0.19	7.35		11.00 dBm/MHz	-3.65
5580	3.432	3.232	0.19	6.53		11.00 dBm/MHz	-4.47
5700	4.610	4.849	0.19	7.93		11.00 dBm/MHz	-3.07
5720 (U-NII 2C)	4.447	4.832	0.19	7.84		11.00 dBm/MHz	-3.16
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)	-1.903	-1.476	0.19	2.22	3.74	30.00 dBm/500kHz	-26.26
5745	4.373	5.544	0.19	2.22	10.42	30.00 dBm/500kHz	-19.58
5785	1.288	2.577	0.19	2.22	7.40	30.00 dBm/500kHz	-22.60
5825	5.557	5.136	0.19	2.22	10.77	30.00 dBm/500kHz	-19.23

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	4.322	3.717	0.37	7.41		11.00 dBm/MHz	-3.59
5230	4.692	4.527	0.37	7.99		11.00 dBm/MHz	-3.01
5270	3.129	3.561	0.37	6.73		11.00 dBm/MHz	-4.27
5310	2.860	2.778	0.37	6.20		11.00 dBm/MHz	-4.80
5510	3.248	3.088	0.37	6.55		11.00 dBm/MHz	-4.45
5550	4.031	3.115	0.37	6.98		11.00 dBm/MHz	-4.02
5670	3.864	3.911	0.37	7.27		11.00 dBm/MHz	-3.73
5710 (U-NII 2C)	3.592	3.567	0.37	6.96		11.00 dBm/MHz	-4.04
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)	-6.668	-7.086	0.37	2.22	-1.27	30.00 dBm/500kHz	-31.27
5755	1.813	2.936	0.37	2.22	8.01	30.00 dBm/500kHz	-21.99
5795	1.182	2.566	0.37	2.22	7.53	30.00 dBm/500kHz	-22.47



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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	-1.283	-2.261	0.72	1.99		11.00 dBm/MHz	-9.01
5290	-2.462	-2.026	0.72	1.49		11.00 dBm/MHz	-9.51
5530	-1.490	-1.711	0.72	2.13		11.00 dBm/MHz	-8.87
5690 (U-NII 2C)	-0.317	-3.222	0.72	2.20		11.00 dBm/MHz	-8.80
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)
5690 (U-NII 3)	-10.625	-14.256	0.72	2.22	-6.12	30.00 dBm/500kHz	-36.12
5775	-3.442	-2.270	0.72	2.22	3.13	30.00 dBm/500kHz	-26.87

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	5.112	4.145	0.24	7.91		11.00	dBm/MHz	-3.09
5220	full	4.729	4.525	0.24	7.88		11.00	dBm/MHz	-3.12
5240	full	4.373	4.090	0.24	7.48		11.00	dBm/MHz	-3.52
5260	full	3.411	4.281	0.24	7.12		11.00	dBm/MHz	-3.88
5300	full	3.790	3.697	0.24	6.99		11.00	dBm/MHz	-4.01
5320	full	4.227	3.692	0.24	7.22		11.00	dBm/MHz	-3.78
5500	full	3.980	3.660	0.24	7.07		11.00	dBm/MHz	-3.93
5580	full	3.848	4.292	0.24	7.33		11.00	dBm/MHz	-3.67
5700	full	4.144	4.645	0.24	7.65		11.00	dBm/MHz	-3.35
5720 (U-NII 2C)	full	3.920	4.180	0.24	7.30		11.00	dBm/MHz	-3.70
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	-2.323	-1.421	0.24	2.22	3.62	30.00	dBm/500kHz	-26.38
5745	full	4.205	4.976	0.24	2.22	10.08	30.00	dBm/500kHz	-19.92
5785	full	4.090	5.150	0.24	2.22	10.12	30.00	dBm/500kHz	-19.88
5825	full	5.105	5.013	0.24	2.22	10.53	30.00	dBm/500kHz	-19.47

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	3.603	2.766	0.44	6.65		11.00 dBm/MHz	-4.35
5230	full	3.337	3.293	0.44	6.77		11.00 dBm/MHz	-4.23
5270	full	2.273	2.925	0.44	6.06		11.00 dBm/MHz	-4.94
5310	full	1.980	2.262	0.44	5.57		11.00 dBm/MHz	-5.43
5510	full	2.570	2.405	0.44	5.94		11.00 dBm/MHz	-5.06
5550	full	1.793	1.318	0.44	5.01		11.00 dBm/MHz	-5.99
5670	full	3.012	2.078	0.44	6.02		11.00 dBm/MHz	-4.98
5710 (U-NII 2C)	full	2.140	3.166	0.44	6.13		11.00 dBm/MHz	-4.87
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	-6.164	-7.136	0.44	2.22	-0.95	30.00 dBm/500kHz	-30.95
5755	full	2.046	3.186	0.44	2.22	8.32	30.00 dBm/500kHz	-21.68
5795	full	2.771	3.446	0.44	2.22	8.79	30.00 dBm/500kHz	-21.21

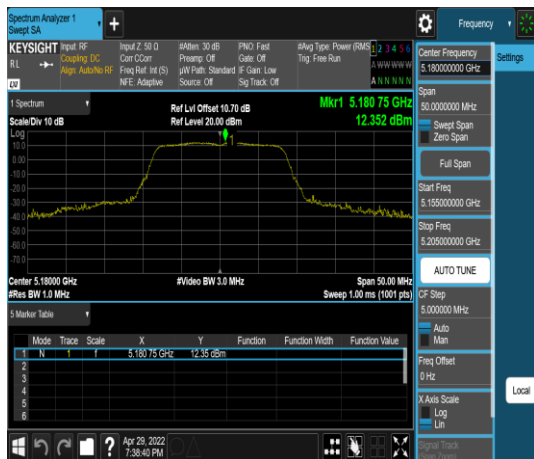
POWER DENSITY 802.11ax HE80 MODE								
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	full	-0.025	-0.908	0.75	3.32		11.00 dBm/MHz	-7.68
5290	full	-1.825	-0.949	0.75	2.40		11.00 dBm/MHz	-8.60
5530	full	-0.687	-0.741	0.75	3.05		11.00 dBm/MHz	-7.95
5690 (U-NII 2C)	full	0.203	-2.184	0.75	2.93		11.00 dBm/MHz	-8.07
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	-11.550	-11.680	0.75	2.22	-5.63	30.00 dBm/500kHz	-35.63
5775	full	-3.074	-1.613	0.75	2.22	3.70	30.00 dBm/500kHz	-26.30

Test Plots

BFM OFF- Master

UNII-1 IEEE 802.11a mode- chain 0

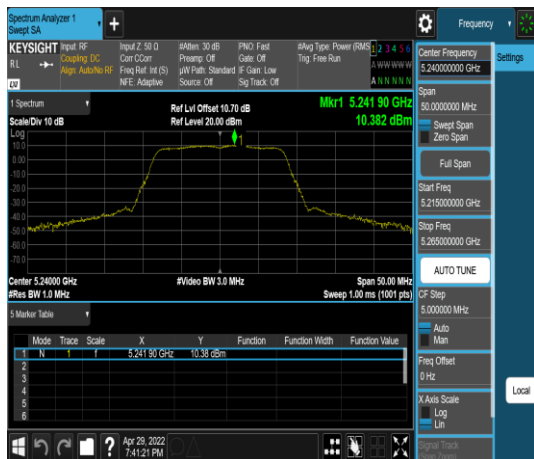
CH 5180



CH 5220

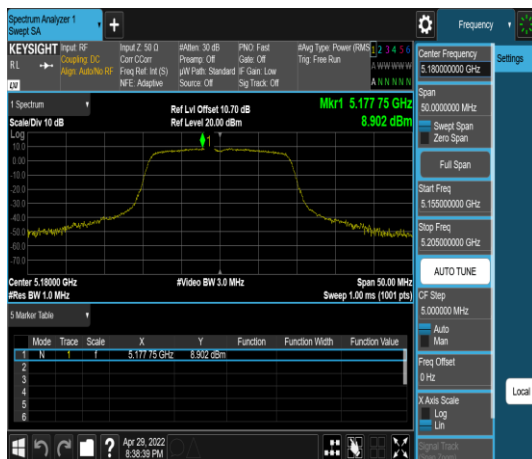


CH 5240



UNII-1 IEEE 802.11ac VHT20 mode- chain 0

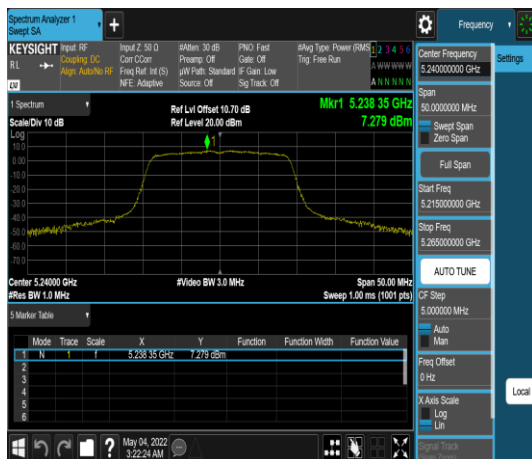
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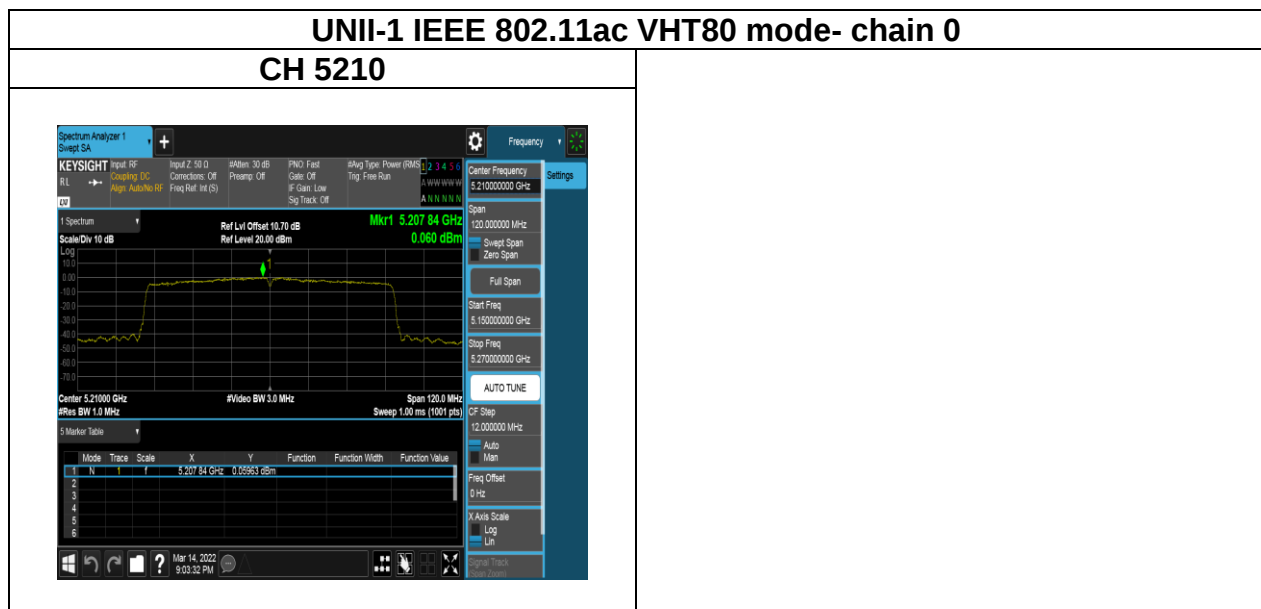
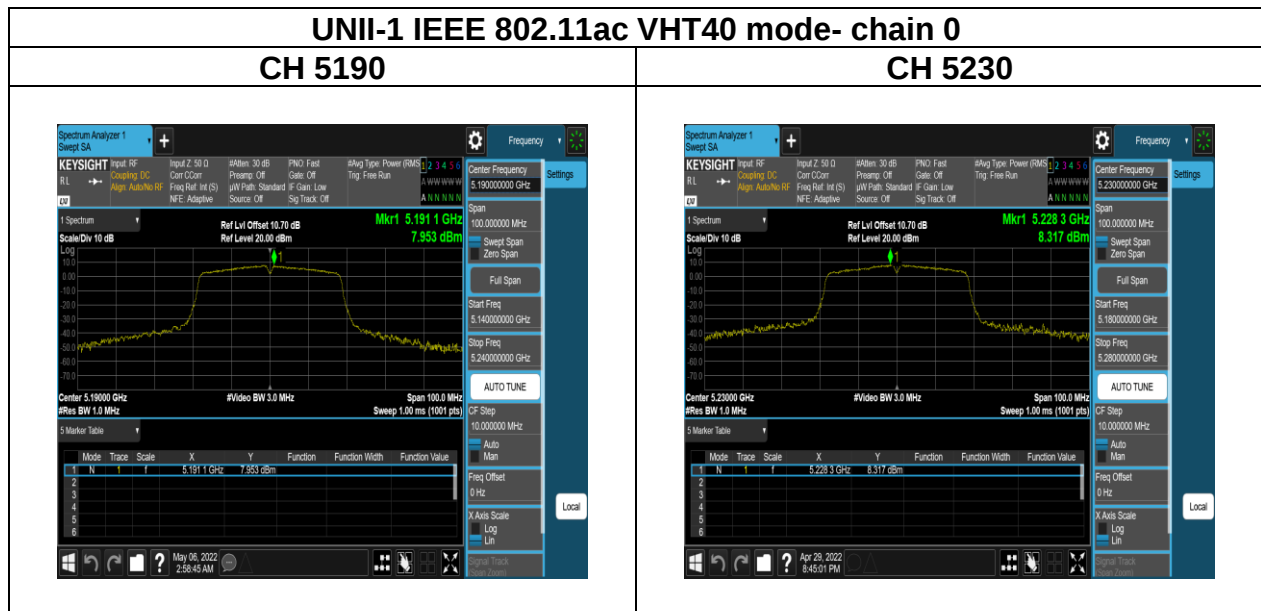
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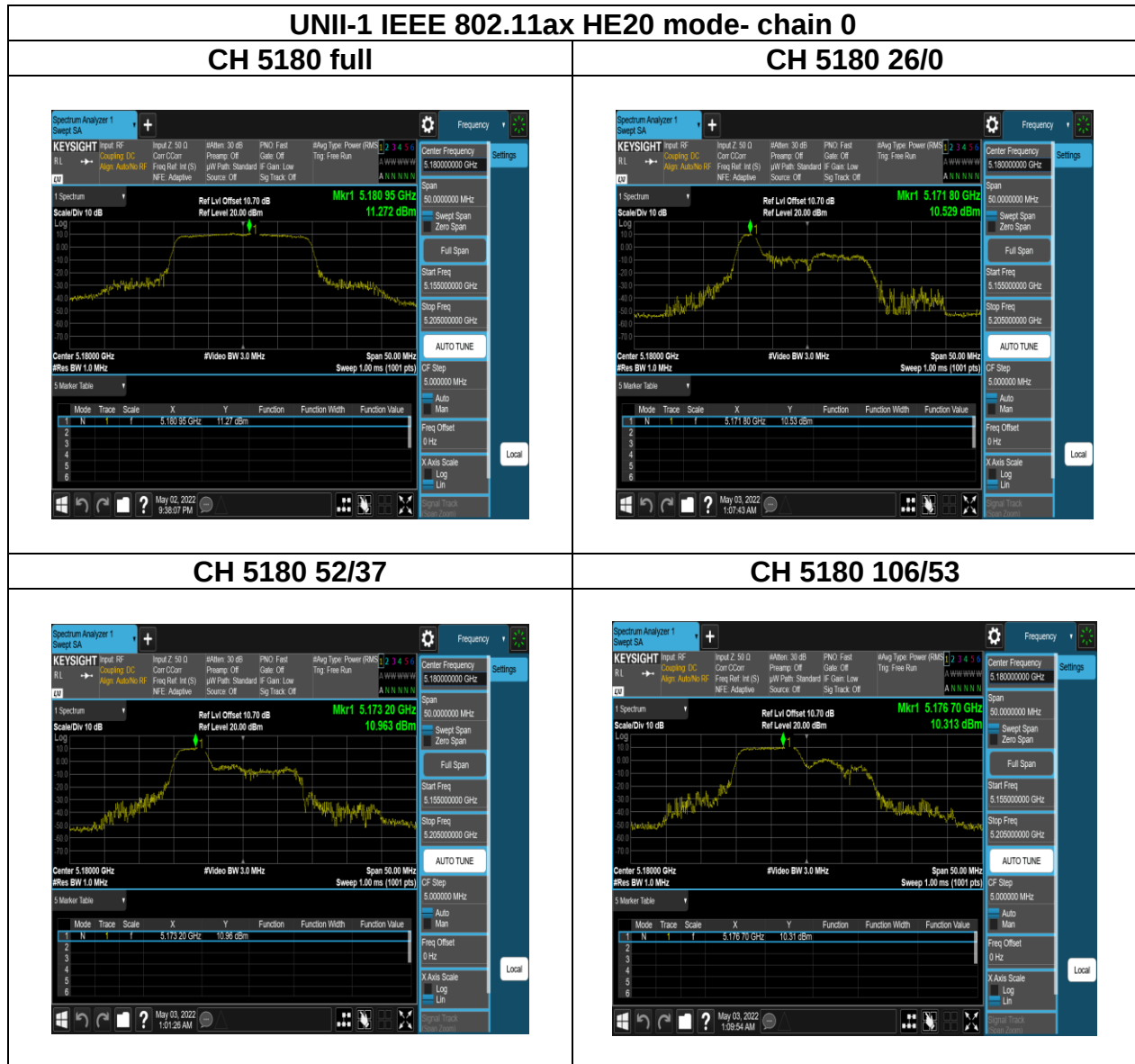
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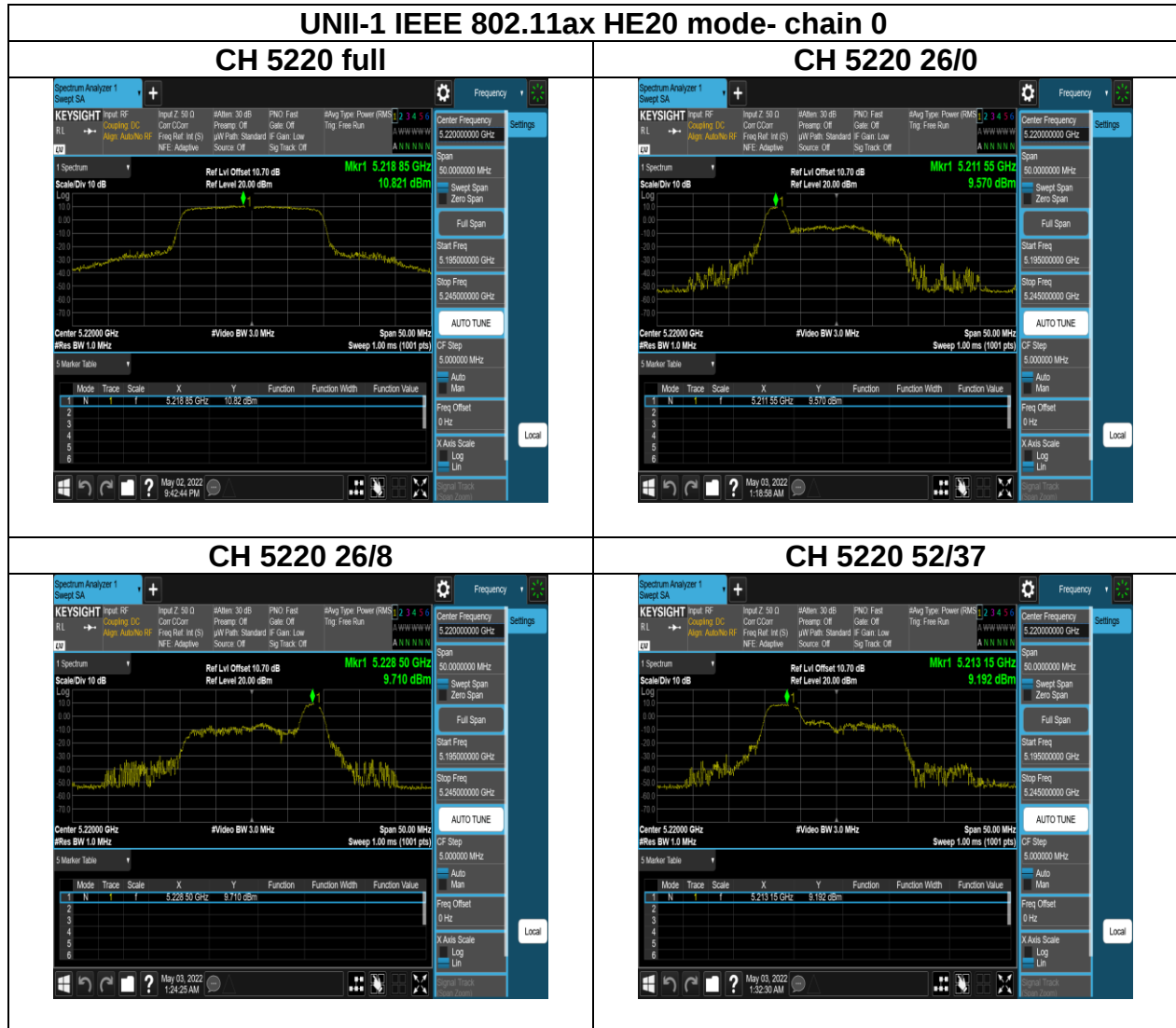


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