

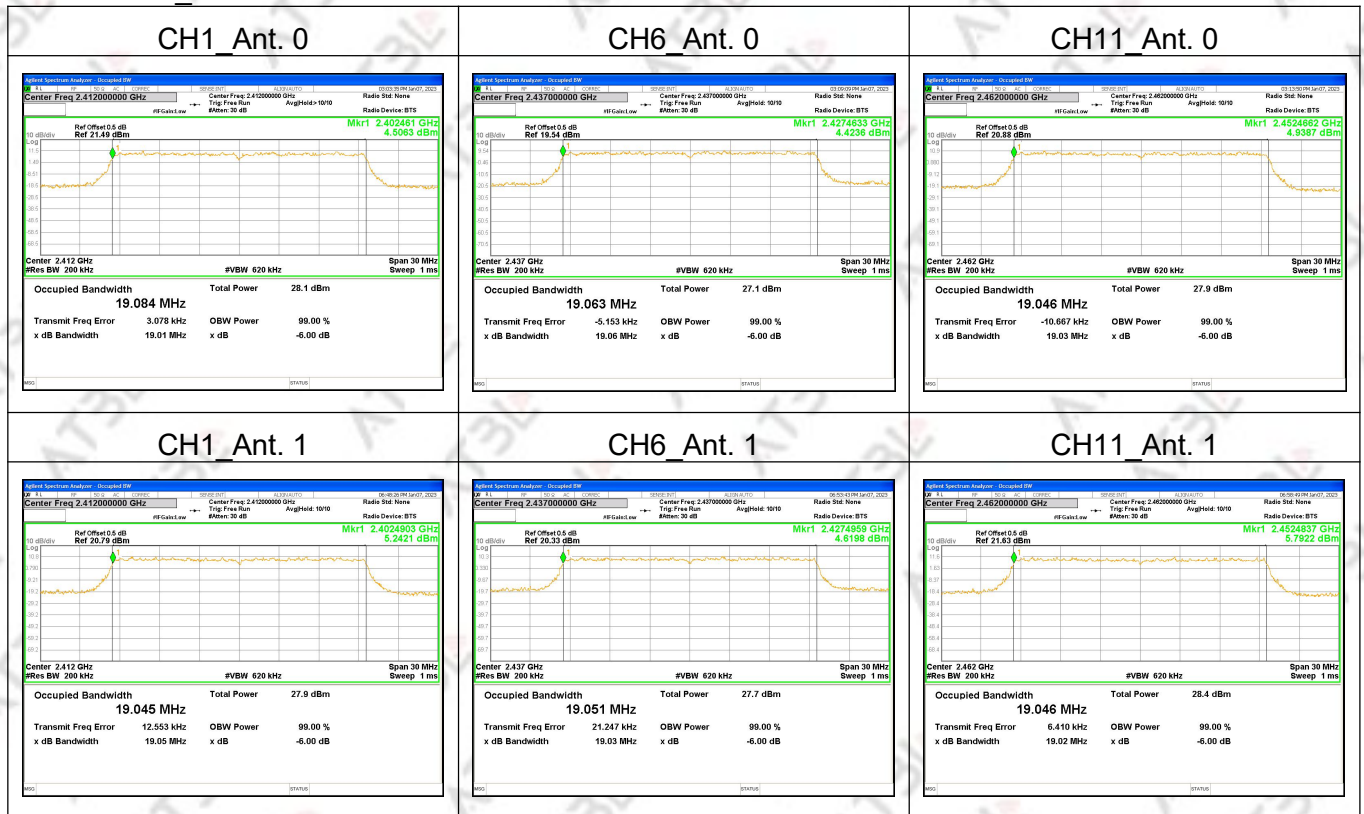
802.11n20_MIMO



802.11n40_MIMO



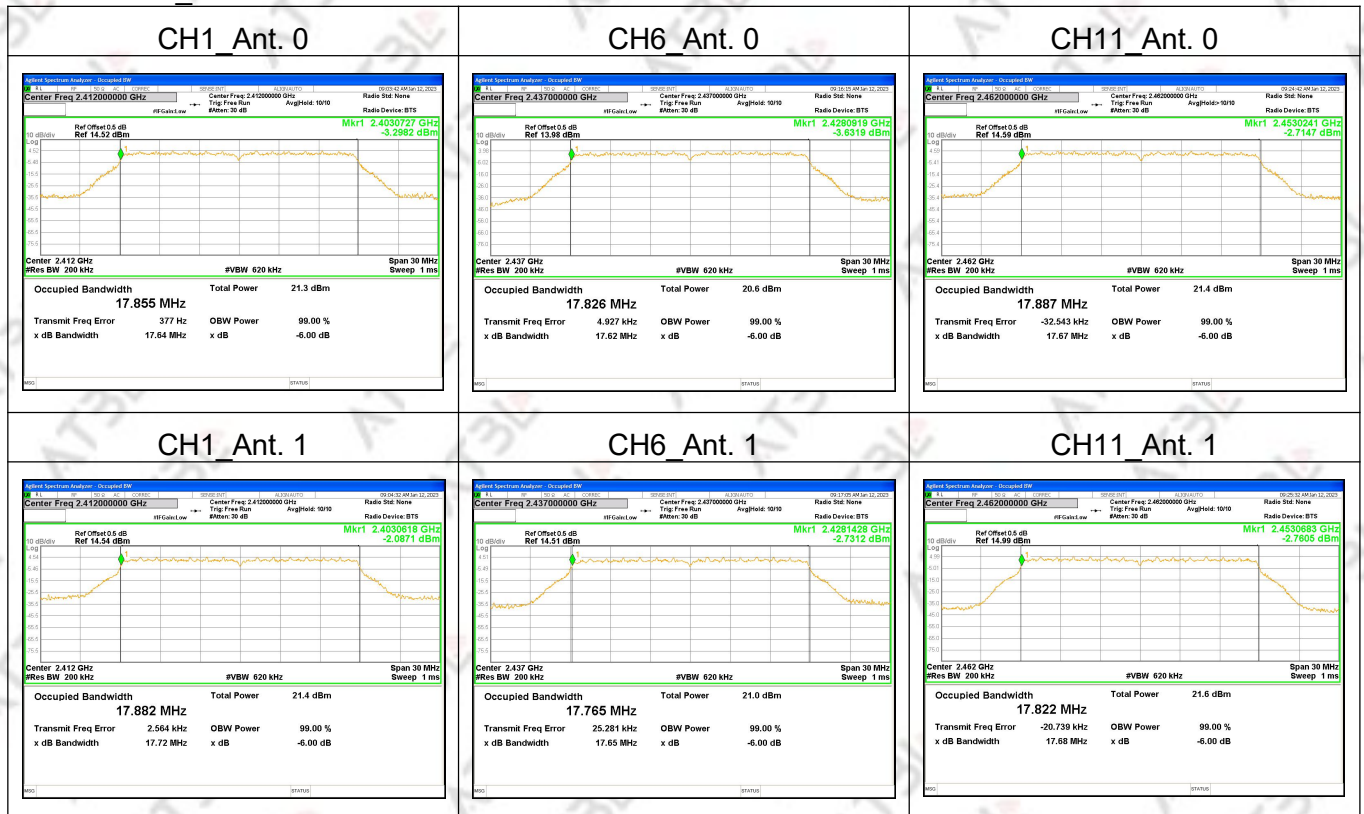
802.11ax20_MIMO



802.11ax40_MIMO



802.11ac20_MIMO



802.11ac40_MIMO



7. PEAK OUTPUT POWER TEST

7.1 LIMIT

FCC Part15.247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 Clause 5.4(d)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

PKPM1 Peak power meter method:

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

7.6 TEST RESULTS

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Test Mode:	TX

Conducted Power

802.11b

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
01	2412	0	4.57	21.06	30	PASS
		1	4.17	21.46	30	PASS
		0+1	7.38	24.27	28.62	PASS
06	2437	0	4.57	21.25	30	PASS
		1	4.17	21.82	30	PASS
		0+1	7.38	24.55	28.62	PASS
11	2462	0	4.57	21.21	30	PASS
		1	4.17	21.67	30	PASS
		0+1	7.38	24.46	28.62	PASS

802.11g

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
01	2412	0	4.57	21.47	30	PASS
		1	4.17	21.79	30	PASS
		0+1	7.38	24.64	28.62	PASS
06	2437	0	4.57	21.28	30	PASS
		1	4.17	21.82	30	PASS
		0+1	7.38	24.57	28.62	PASS
11	2462	0	4.57	21.19	30	PASS
		1	4.17	22.01	30	PASS
		0+1	7.38	24.63	28.62	PASS

802.11n20

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
01	2412	0	4.57	21.60	30	PASS
		1	4.17	21.83	30	PASS
		0+1	7.38	24.73	28.62	PASS
06	2437	0	4.57	21.23	30	PASS
		1	4.17	22.06	30	PASS
		0+1	7.38	24.68	28.62	PASS
11	2462	0	4.57	21.35	30	PASS
		1	4.17	21.92	30	PASS
		0+1	7.38	24.65	28.62	PASS

802.11n40

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
03	2422	0	4.57	21.96	30	PASS
		1	4.17	22.45	30	PASS
		0+1	7.38	25.22	28.62	PASS
06	2437	0	4.57	21.88	30	PASS
		1	4.17	22.56	30	PASS
		0+1	7.38	25.24	28.62	PASS
09	2452	0	4.57	21.9	30	PASS
		1	4.17	22.35	30	PASS
		0+1	7.38	25.14	28.62	PASS

802.11ac20

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
01	2412	0	4.57	21.52	30	PASS
		1	4.17	22.00	30	PASS
		0+1	7.38	24.78	28.62	PASS
06	2437	0	4.57	21.84	30	PASS
		1	4.17	22.51	30	PASS
		0+1	7.38	25.2	28.62	PASS
11	2462	0	4.57	21.44	30	PASS
		1	4.17	21.84	30	PASS
		0+1	7.38	24.65	28.62	PASS

802.11ac40

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Peak Power (dBm)	Power Limit (dBm)	Result
03	2422	0	4.57	21.63	30	PASS
		1	4.17	22.32	30	PASS
		0+1	7.38	25.00	28.62	PASS
06	2437	0	4.57	21.37	30	PASS
		1	4.17	21.84	30	PASS
		0+1	7.38	24.62	28.62	PASS
09	2452	0	4.57	21.39	30	PASS
		1	4.17	22.12	30	PASS
		0+1	7.38	24.78	28.62	PASS