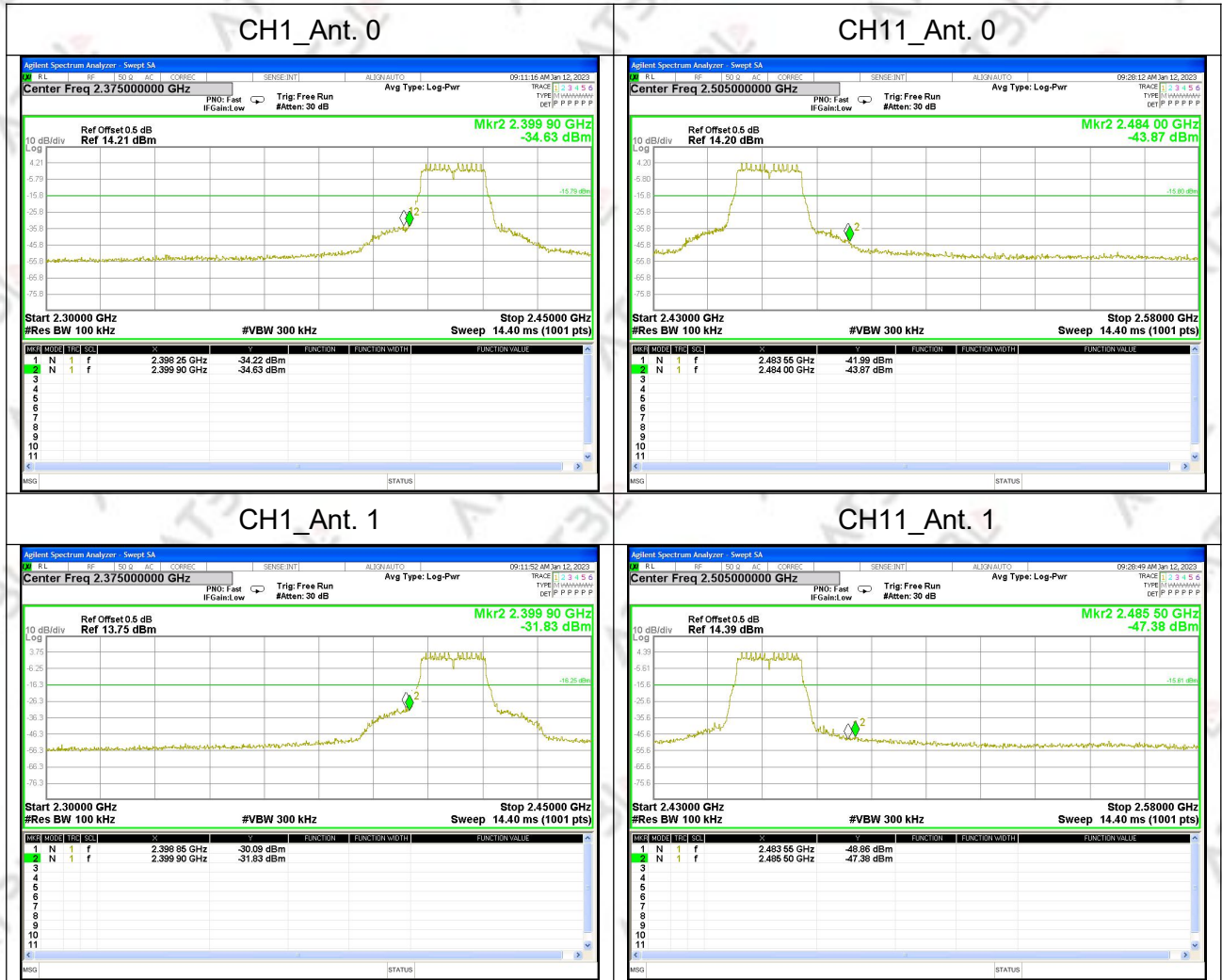
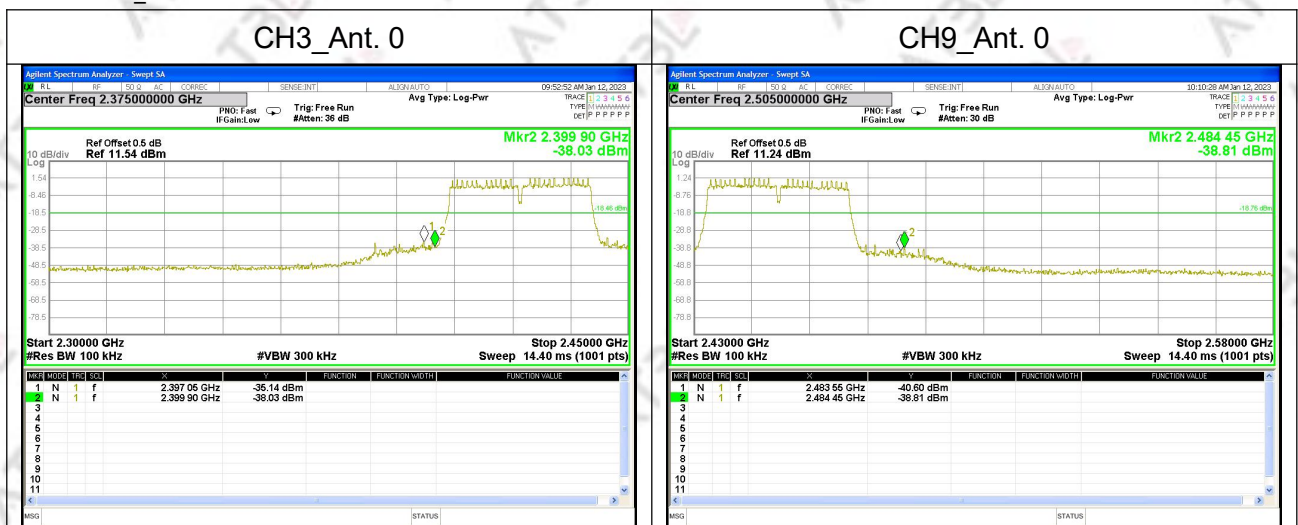
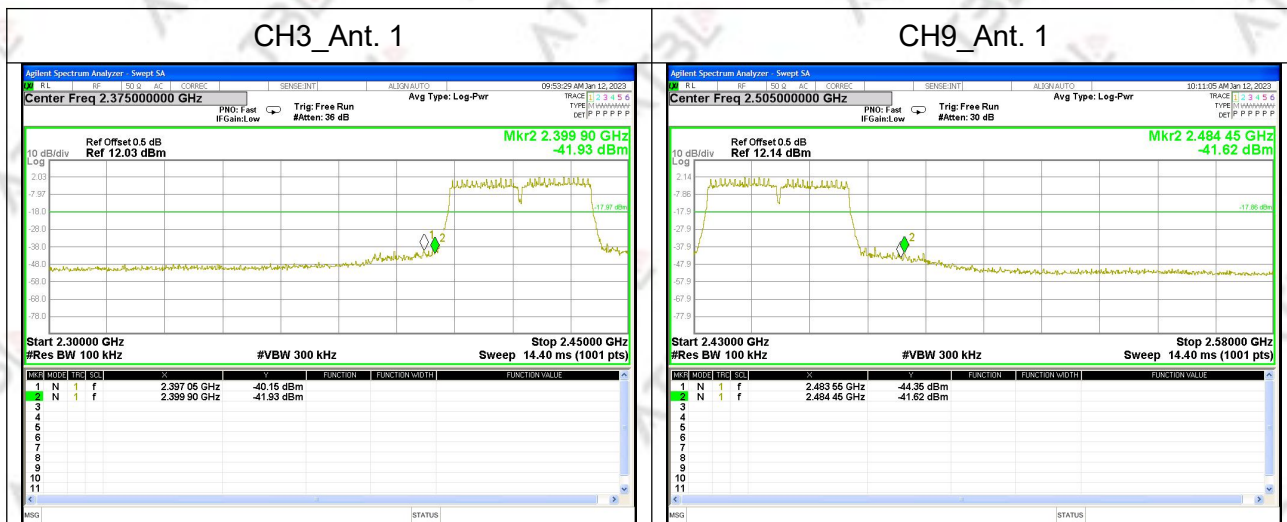


802.11ac20_MIMO



802.11ac40_MIMO





5. POWER SPECTRAL DENSITY TEST

5.1 LIMIT

FCC Part15.247 , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 Clause 5.2(b)	Power Spectral Density	≤ 8 dBm (RBW ≥ 3 kHz)	2400-2483.5	PASS

5.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the $100 \text{ kHz} \geq \text{RBW} \geq 3 \text{ kHz}$.
4. Set the $\text{VBW} \geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

Please refer to section 3.1.4 of this report.

5.6 TEST RESULTS

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

802.11b MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 1	2412 MHz	0	-3.95	8	PASS
		1	-4.25		
		0+1	-1.09		
CH 6	2437 MHz	0	-3.82	8	PASS
		1	-5.72		
		0+1	-1.66		
CH 11	2462 MHz	0	-5.12	8	PASS
		1	-3.33		
		0+1	-1.12		

802.11g MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 1	2412 MHz	0	-6.70	8	PASS
		1	-6.00		
		0+1	-3.33		
CH 6	2437 MHz	0	-7.56	8	PASS
		1	-6.79		
		0+1	-4.15		
CH 11	2462 MHz	0	-6.81	8	PASS
		1	-6.41		
		0+1	-3.60		

802.11n20 MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 1	2412 MHz	0	-6.94	8	PASS
		1	-5.76		
		0+1	-3.30		
CH 6	2437 MHz	0	-7.68	8	PASS
		1	-6.25		
		0+1	-3.90		
CH 11	2462 MHz	0	-6.59	8	PASS
		1	-5.56		
		0+1	-3.03		

802.11n40_MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 3	2422 MHz	0	-9.77	8	PASS
		1	-10.19		
		0+1	-6.96		
CH 6	2437 MHz	0	-9.85	8	PASS
		1	-10.64		
		0+1	-7.22		
CH 9	2452 MHz	0	-9.91	8	PASS
		1	-7.35		
		0+1	-5.43		

802.11ax20_MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 1	2412 MHz	0	-6.06	8	PASS
		1	-5.12		
		0+1	-2.55		
CH 6	2437 MHz	0	-6.45	8	PASS
		1	-5.49		
		0+1	-2.93		
CH 11	2462 MHz	0	-5.70	8	PASS
		1	-5.54		
		0+1	-2.61		

802.11ax40_MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
CH 3	2422 MHz	0	-9.43	8	PASS
		1	-8.77		
		0+1	-6.08		
CH 6	2437 MHz	0	-9.28	8	PASS
		1	-9.07		
		0+1	-6.16		
CH 9	2452 MHz	0	-9.23	8	PASS
		1	-8.48		
		0+1	-6.02		

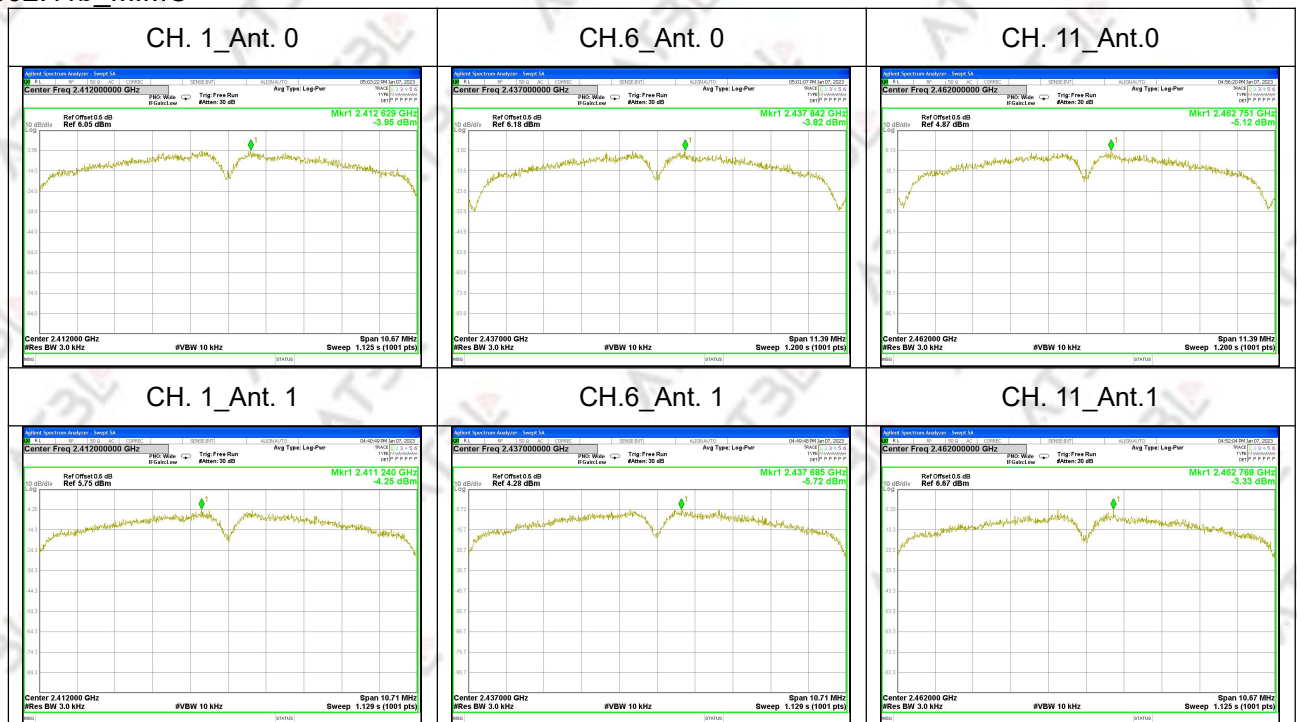
802.11ac20_MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density	Limit (3kHz/dBm)	Result
			(dBm/3kHz)		
CH 1	2412 MHz	0	-9.53	8	PASS
		1	-9.16		
		0+1	-6.33		
CH 6	2437 MHz	0	-10.43	8	PASS
		1	-9.68		
		0+1	-7.03		
CH 11	2462 MHz	0	-9.01	8	PASS
		1	-9.24		
		0+1	-6.11		

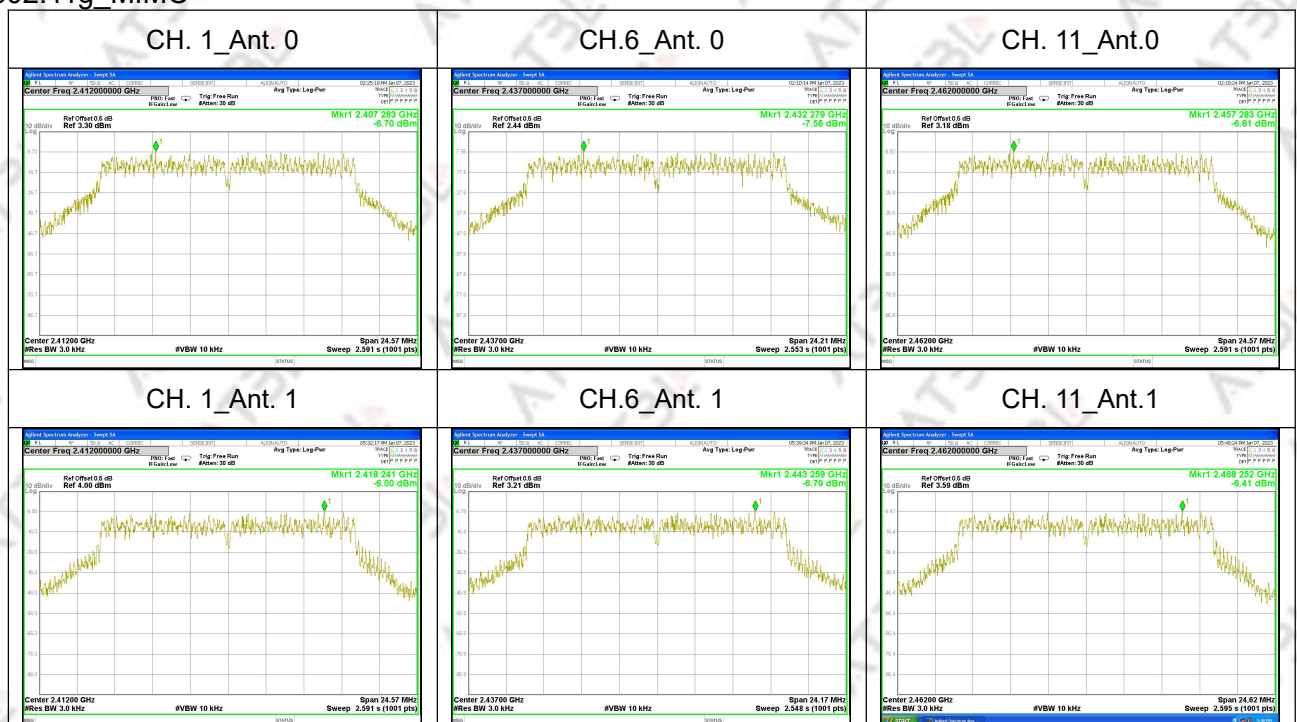
802.11ac40_MIMO

CH.	Freq. (MHz)	Ant. No.	Power Density	Limit (3kHz/dBm)	Result
			(dBm/3kHz)		
CH 3	2422 MHz	0	-11.24	8	PASS
		1	-11.42		
		0+1	-8.32		
CH 6	2437 MHz	0	-12.10	8	PASS
		1	-11.99		
		0+1	-9.03		
CH 9	2452 MHz	0	-11.23	8	PASS
		1	-11.47		
		0+1	-8.34		

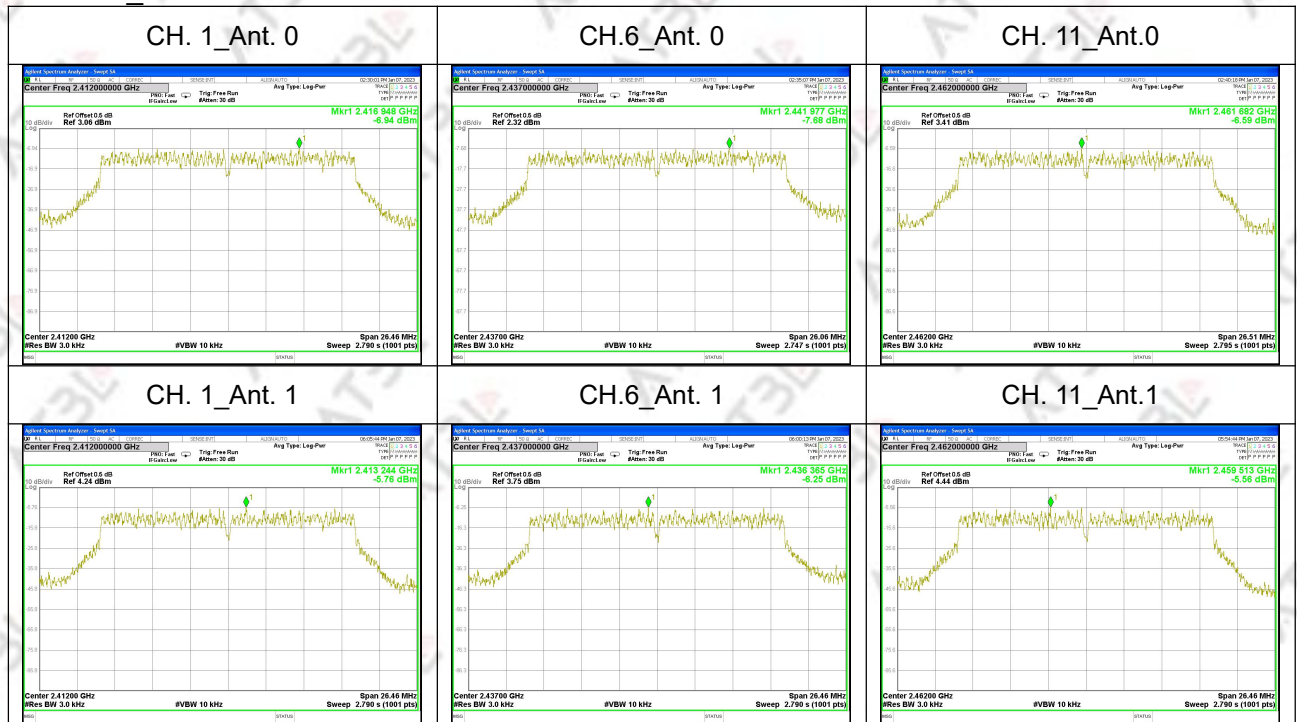
802.11b_MIMO



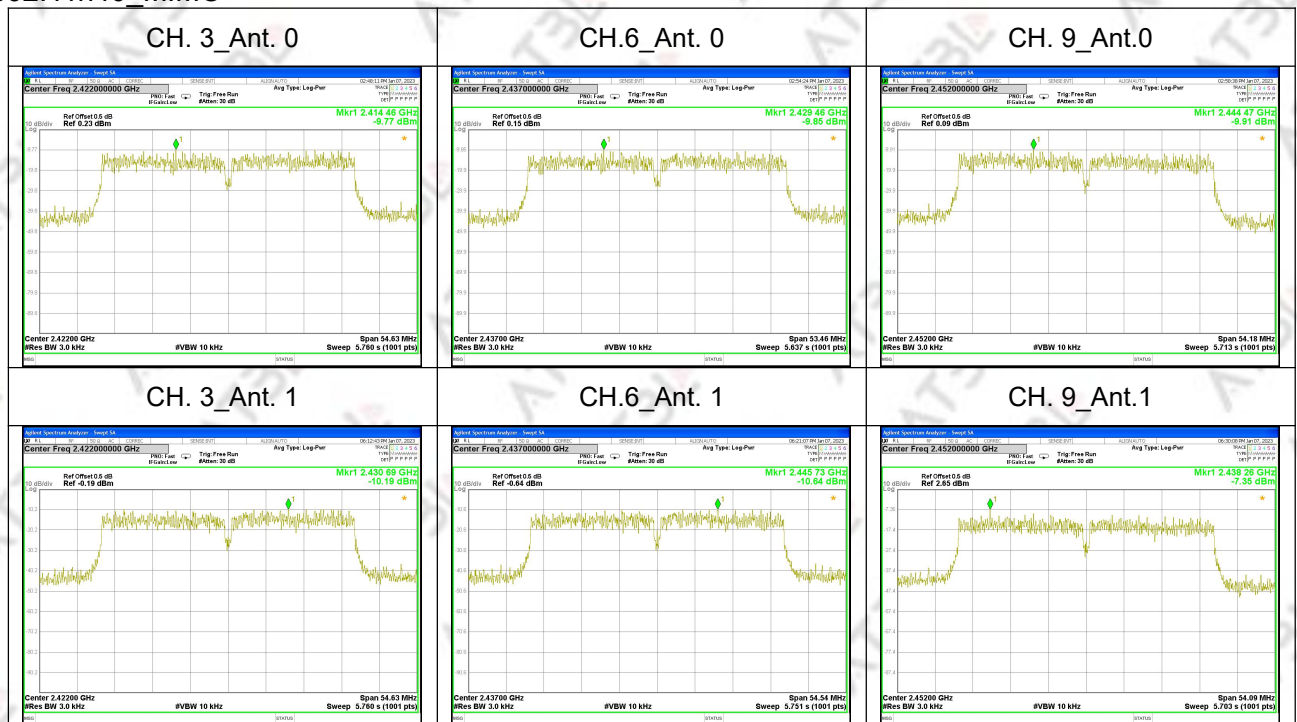
802.11g_MIMO



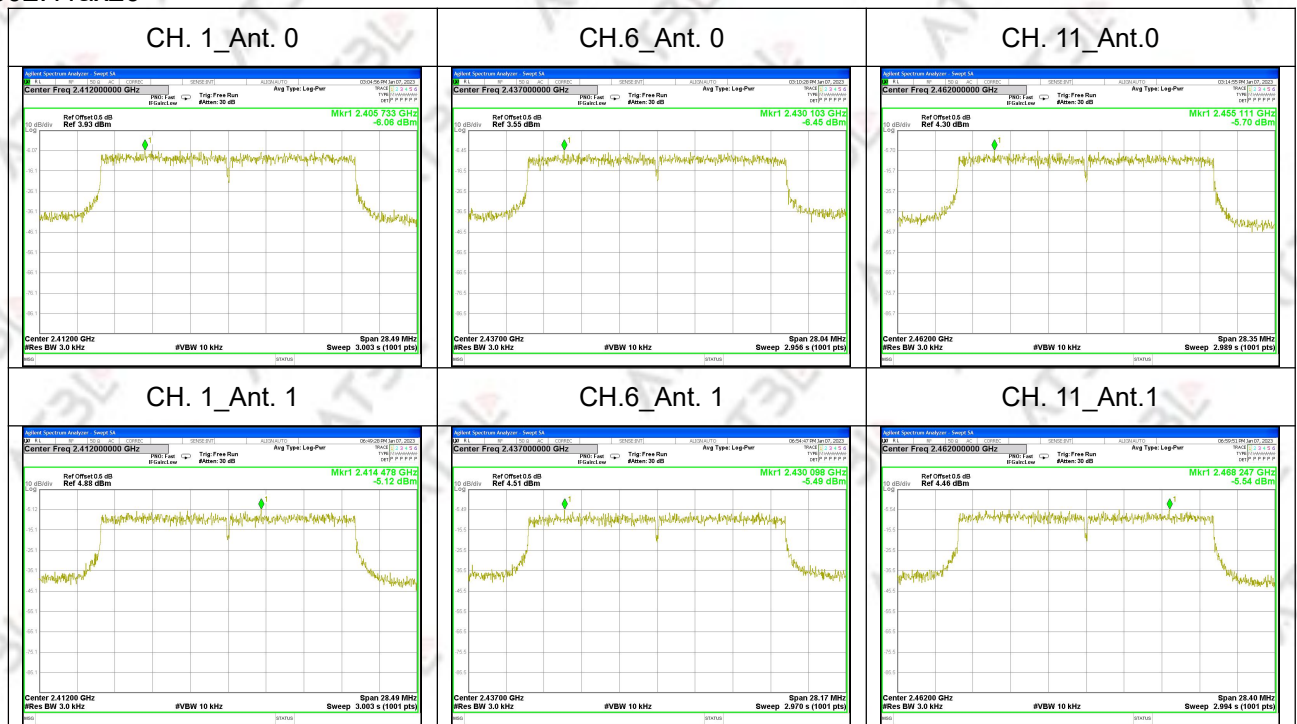
802.11n20 MIMO



802.11n40 MIMO



802.11ax20



802.11ax40

