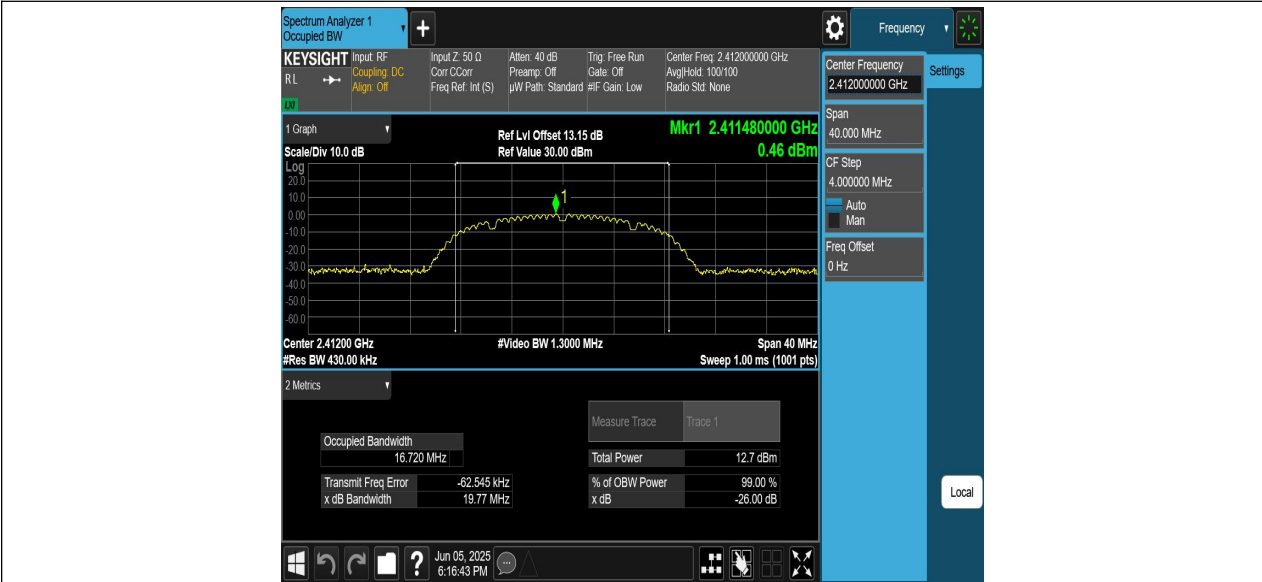
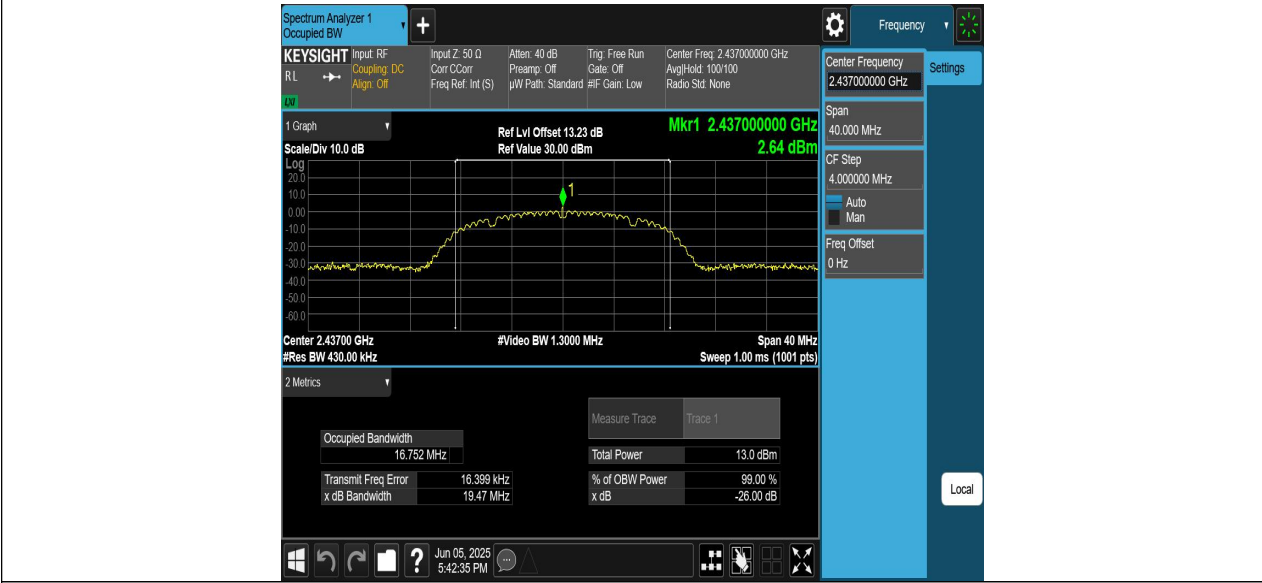




11B_Ant1_2437



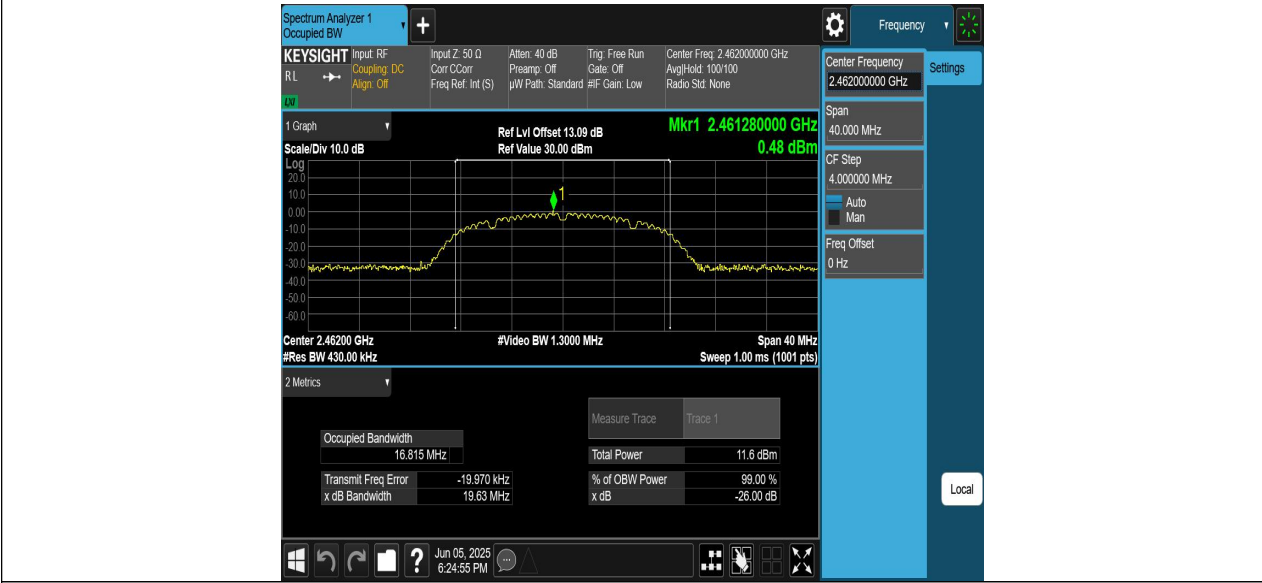
11B_Ant2_2437



11B_Ant1_2462



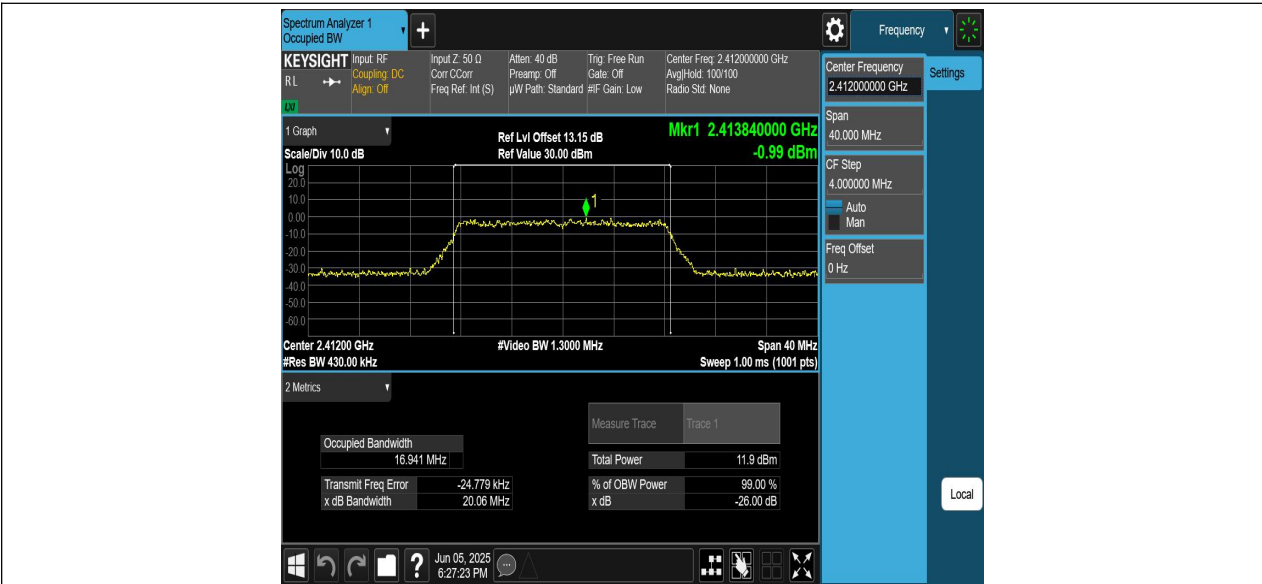
11B_Ant2_2462



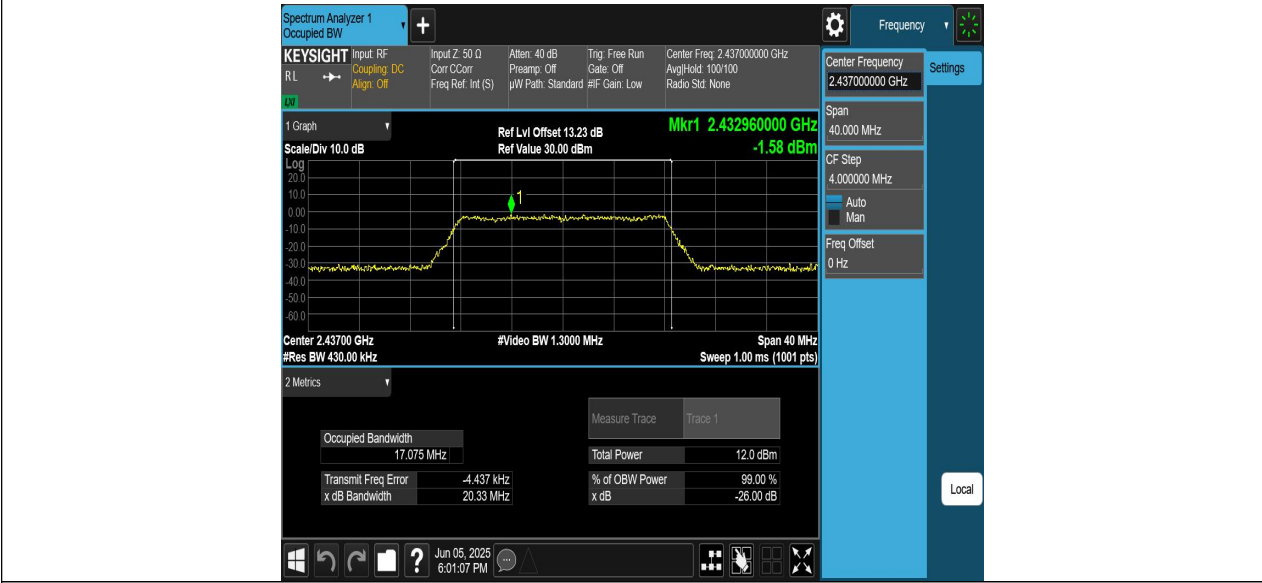
11G_Ant1_2412



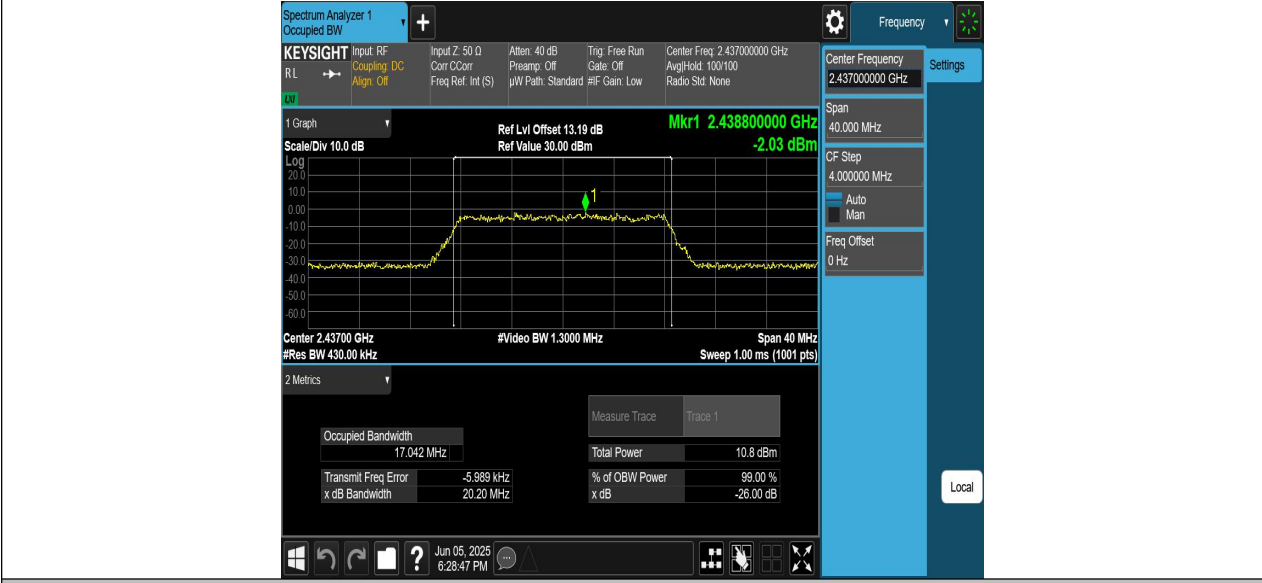
11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462











10. Conducted Output Power

10.1. Block diagram of test setup

Same as section 8.1

10.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 3			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3) ISED RSS-247 5.4 (d)	Peak Output Power	1 watt or 30 dBm	2400-2483.5
Note: For 802.11n , the EUT incorporates a MIMO function. The Antenna directional gain is 7.95 dBi. The Conducted Output Power limit is the above limits-(7.95-6)			

10.3. Test Procedure

Place the EUT on the table and set it in the transmitting mode.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Power sensor.

Measure peak power each channel.

Peak Detector use for Peak result.

AVG Detector use for AVG result.

10.4. Results

Test Mode	Ant.	Freq. (MHz)	Peak Power (dBm)	Conducted Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11B	Ant1	2412	12.94	≤30.00	17.88	≤36.00	PASS
	Ant2	2412	12.07	≤30.00	17.01	≤36.00	PASS
	Ant1	2437	12.58	≤30.00	17.52	≤36.00	PASS
	Ant2	2437	11.40	≤30.00	16.34	≤36.00	PASS
	Ant1	2462	12.98	≤30.00	17.92	≤36.00	PASS
	Ant2	2462	11.34	≤30.00	16.28	≤36.00	PASS
11G	Ant1	2412	13.57	≤30.00	18.51	≤36.00	PASS
	Ant2	2412	12.77	≤30.00	17.71	≤36.00	PASS
	Ant1	2437	13.07	≤30.00	18.01	≤36.00	PASS
	Ant2	2437	11.63	≤30.00	16.57	≤36.00	PASS
	Ant1	2462	13.39	≤30.00	18.33	≤36.00	PASS
	Ant2	2462	11.47	≤30.00	16.41	≤36.00	PASS
11N20MIMO	Ant1	2412	12.54	≤30.00	17.48	≤36.00	PASS
	Ant2	2412	11.66	≤30.00	16.60	≤36.00	PASS
	total	2412	15.13	≤28.05	20.07	≤34.05	PASS
	Ant1	2437	12.84	≤30.00	17.78	≤36.00	PASS
	Ant2	2437	11.35	≤30.00	16.29	≤36.00	PASS
	total	2437	15.17	≤28.05	20.11	≤34.05	PASS
	Ant1	2462	13.16	≤30.00	18.10	≤36.00	PASS
	Ant2	2462	11.26	≤30.00	16.20	≤36.00	PASS
	total	2462	15.32	≤28.05	20.26	≤34.05	PASS
11N40MIMO	Ant1	2422	12.87	≤30.00	17.81	≤36.00	PASS
	Ant2	2422	11.89	≤30.00	16.83	≤36.00	PASS
	total	2422	15.42	≤28.05	20.36	≤34.05	PASS
	Ant1	2437	13.42	≤30.00	18.36	≤36.00	PASS
	Ant2	2437	11.92	≤30.00	16.86	≤36.00	PASS
	total	2437	15.74	≤28.05	20.68	≤34.05	PASS
	Ant1	2452	12.94	≤30.00	17.88	≤36.00	PASS
	Ant2	2452	11.23	≤30.00	16.17	≤36.00	PASS
	total	2452	15.18	≤28.05	20.12	≤34.05	PASS