



8.4 Test Result and Data

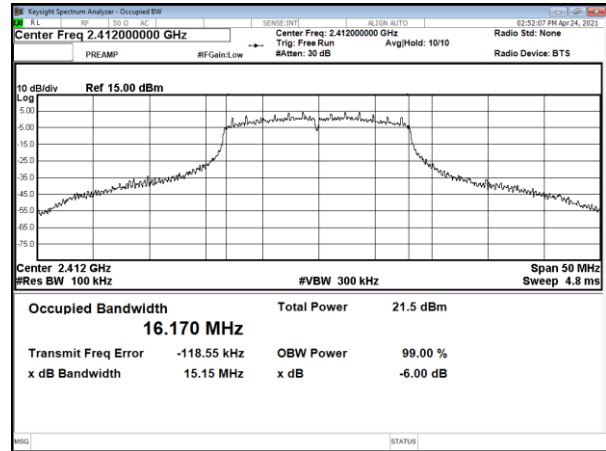
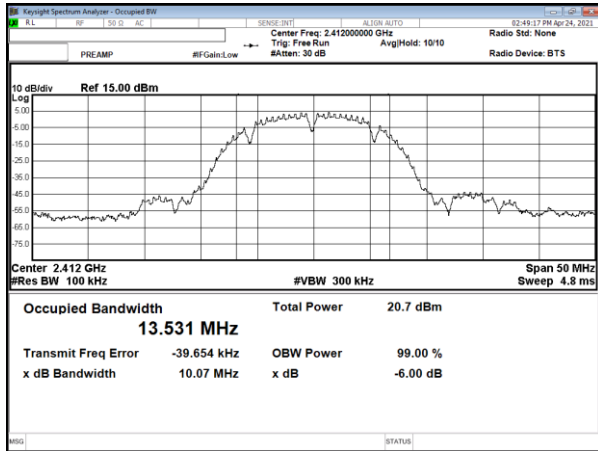
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT A	ANT B	
IEEE 802.11b	01	2412	10.07	10.06	0.5
	06	2437	9.62	10.10	0.5
	11	2462	10.06	10.08	0.5
IEEE 802.11g	01	2412	15.15	15.15	0.5
	06	2437	13.90	15.15	0.5
	11	2462	15.14	14.99	0.5
IEEE 802.11n HT20	01	2412	15.16	15.15	0.5
	06	2437	15.12	15.15	0.5
	11	2462	15.11	15.13	0.5
IEEE 802.11n HT40	03	2422	33.83	32.65	0.5
	06	2437	33.84	32.63	0.5
	09	2452	33.87	35.07	0.5



ANT A

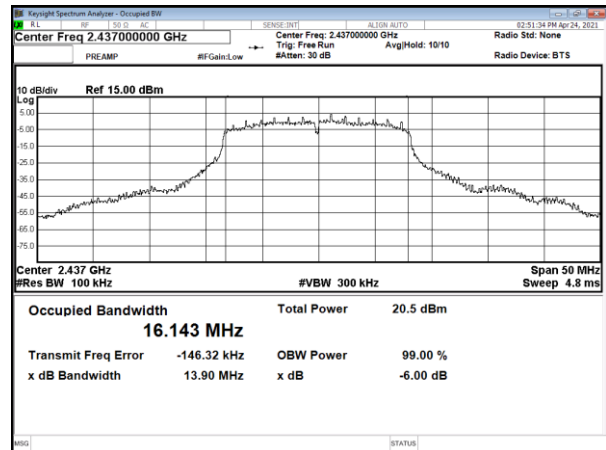
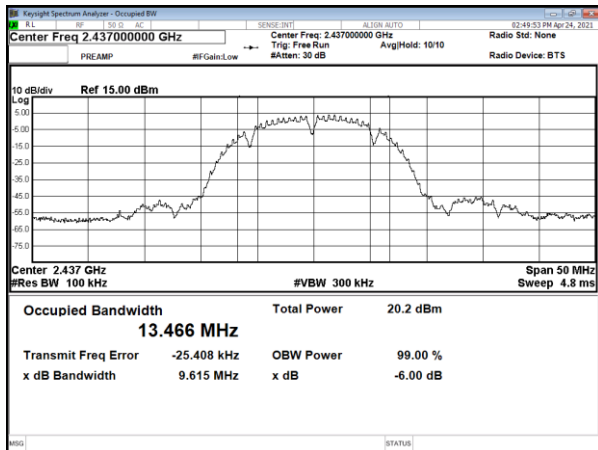
Modulation Type: 802.11b
CH01

Modulation Type: 802.11g
CH01



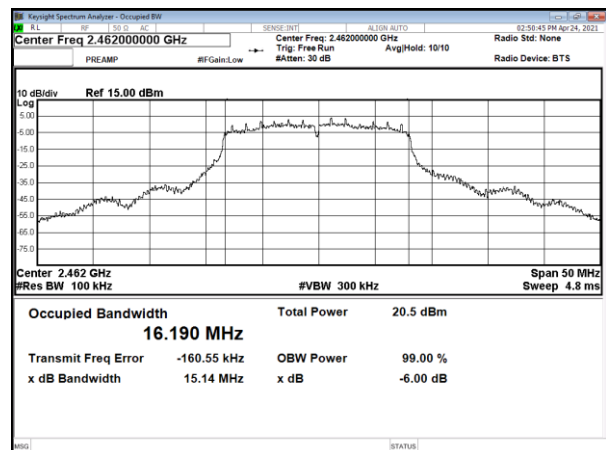
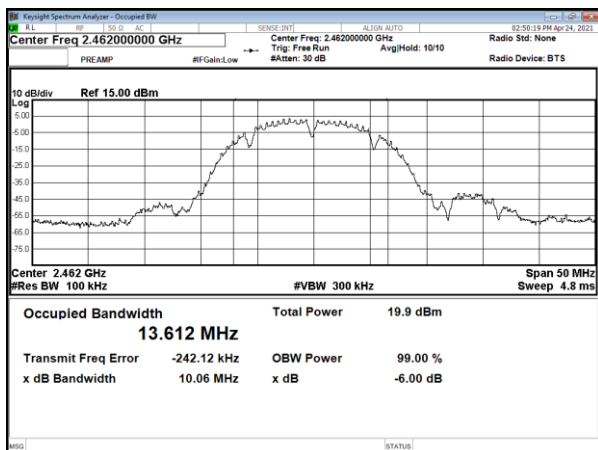
CH06

CH06



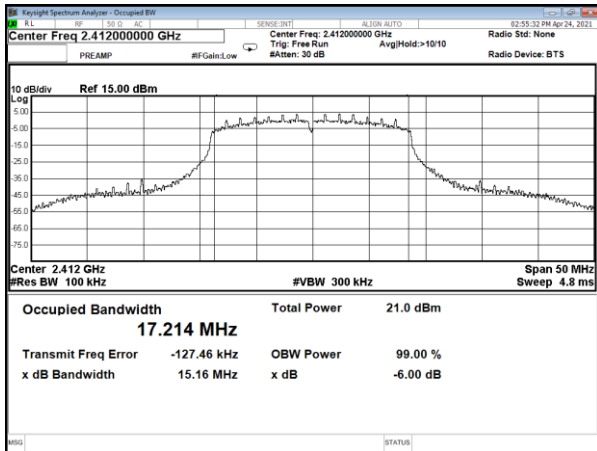
CH11

CH11

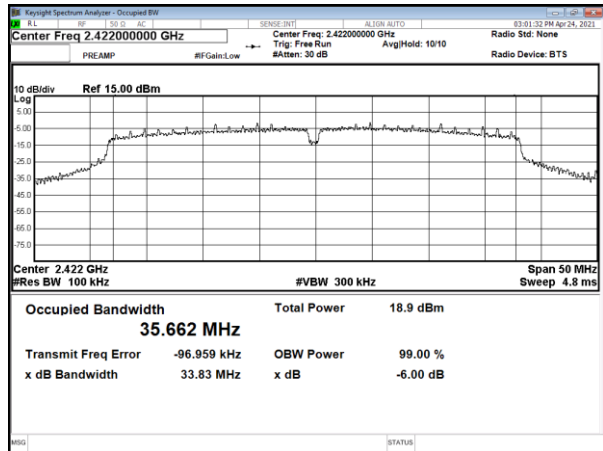




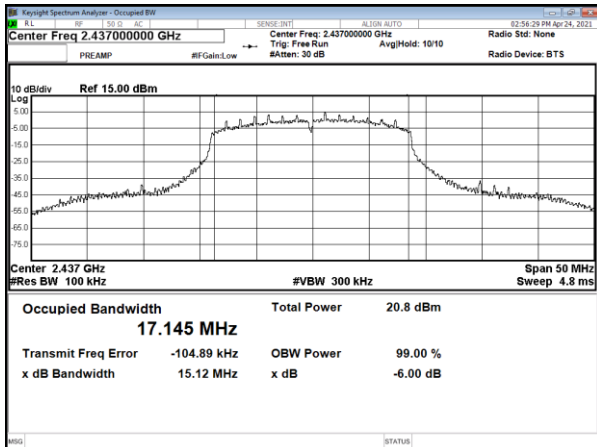
Modulation Type: 802.11n HT20
CH01



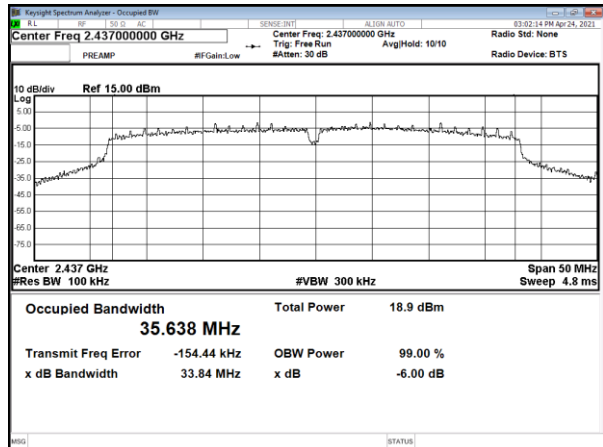
Modulation Type: 802.11n HT40
CH03



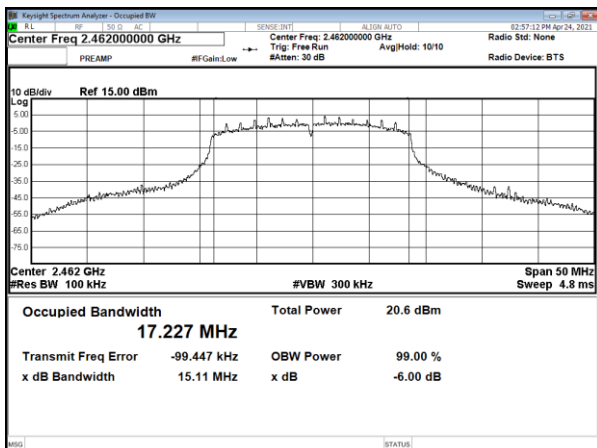
CH06



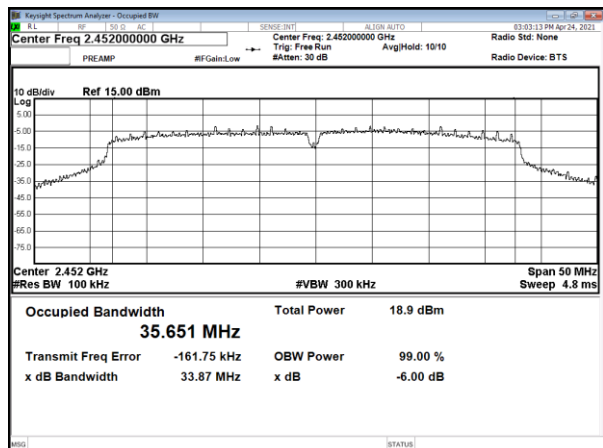
CH06



CH11



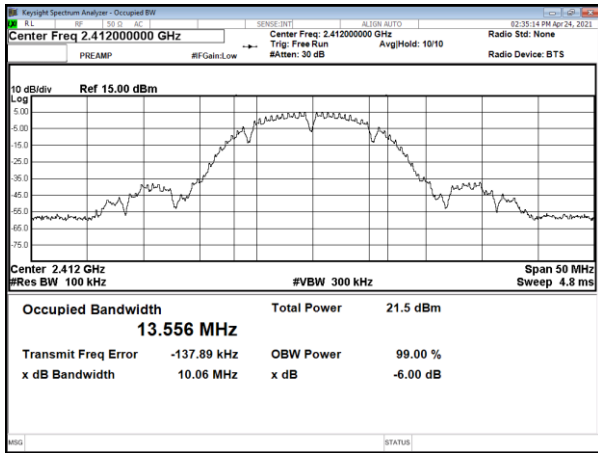
CH09



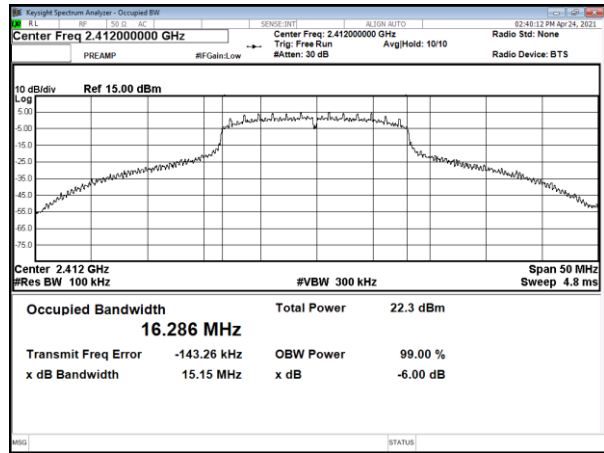


ANT B

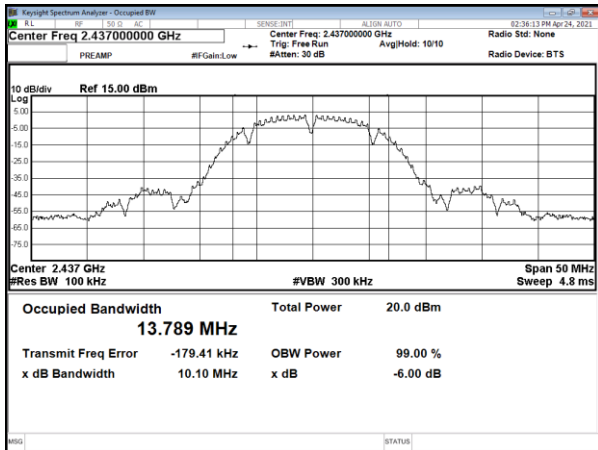
Modulation Type: 802.11b
CH01



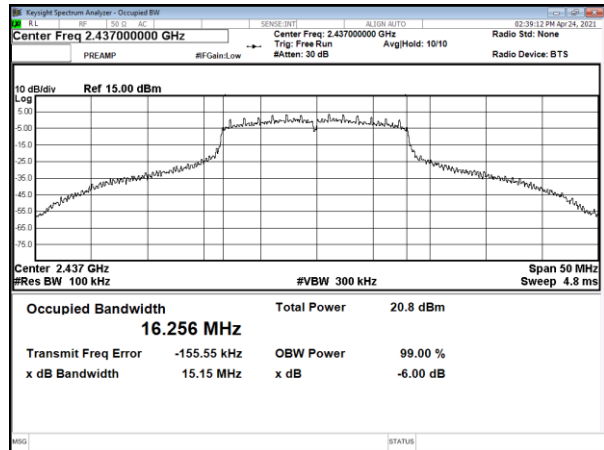
Modulation Type: 802.11g
CH01



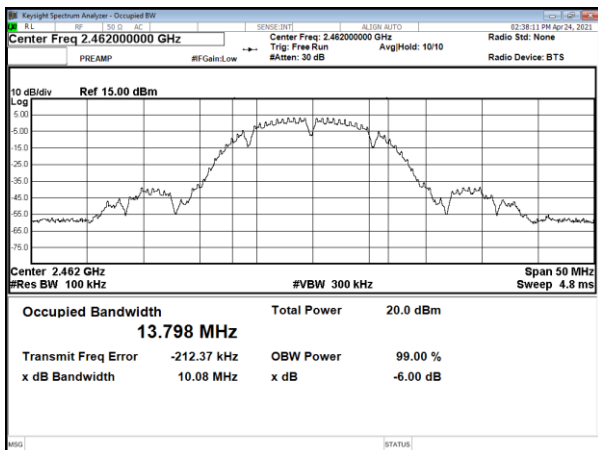
CH06



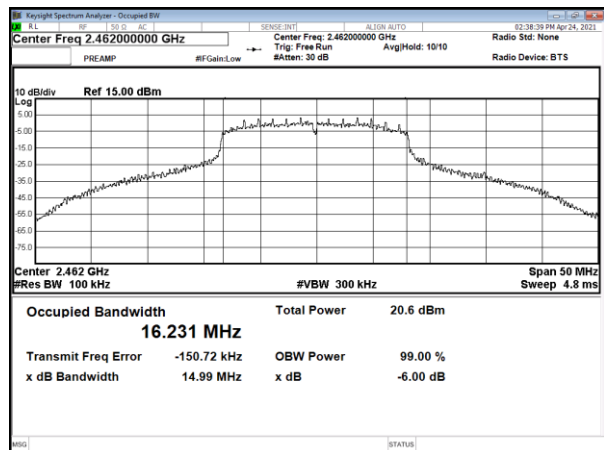
CH06



CH11

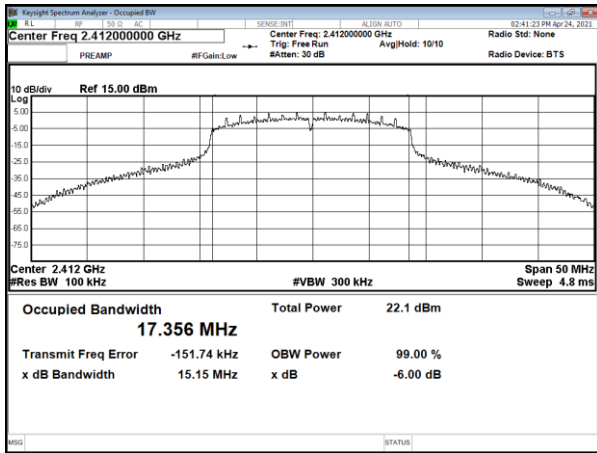


CH11

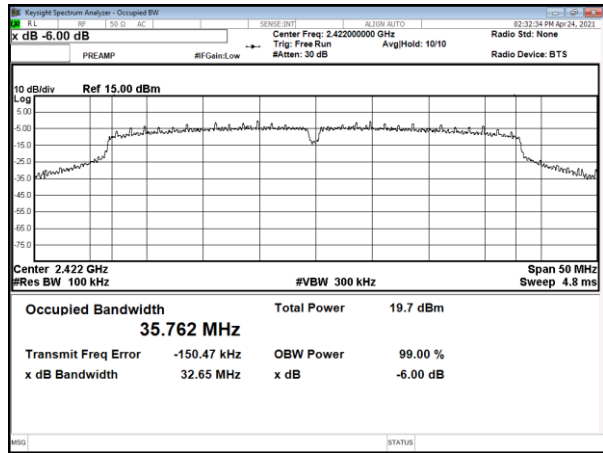




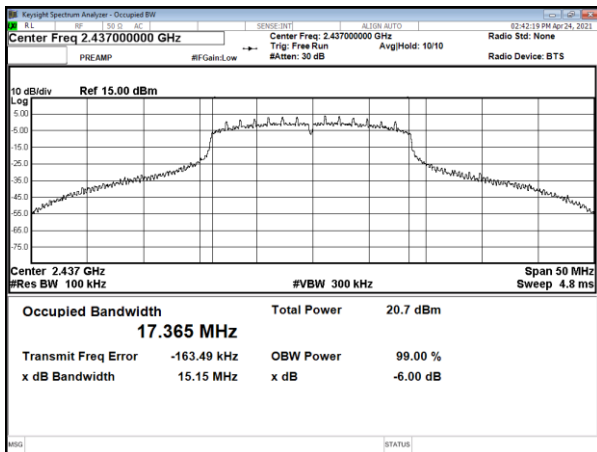
Modulation Type: 802.11n HT20
CH01



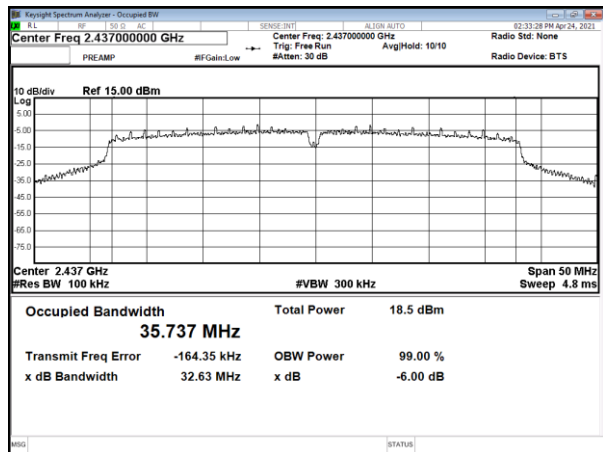
Modulation Type: 802.11n HT40
CH03



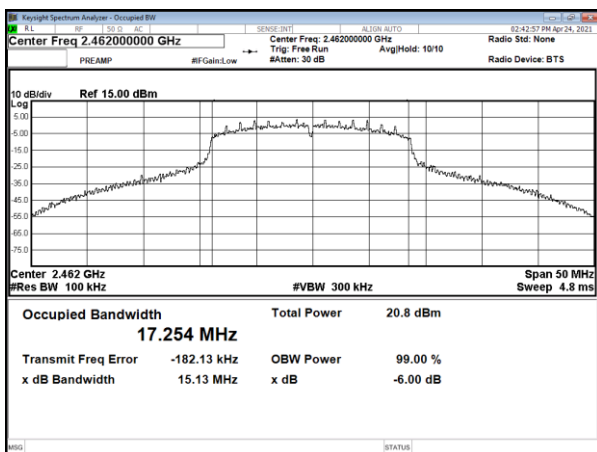
CH06



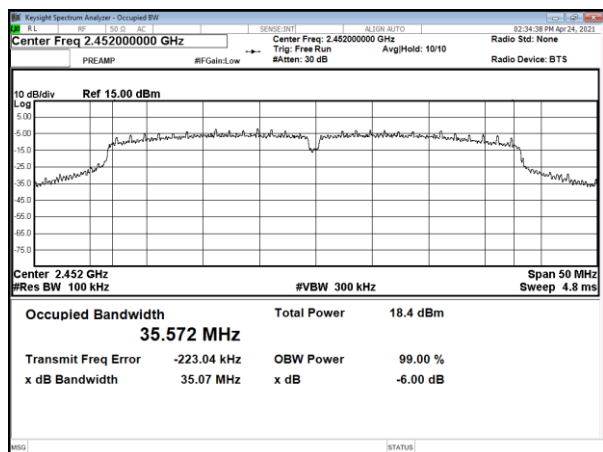
CH06



CH11



CH09





9. Maximum Peak Output Power

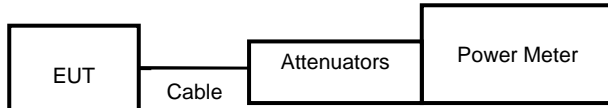
9.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

9.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

9.3 Test Setup Layout





9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)		Total PK power (dBm)	Total PK power (mW)	Power Limit (dBm)
			ANT A	ANT B			
11b	1	2412	15.49	17.04	19.34	85.982	30.00
	6	2437	15.78	15.93	18.87	77.018	30.00
	11	2462	15.43	15.12	18.29	67.423	30.00
11g	1	2412	21.66	22.65	25.19	330.632	30.00
	6	2437	21.18	21.71	24.46	279.472	30.00
	11	2462	21.53	21.68	24.62	289.464	30.00
11n HT20	1	2412	21.20	22.05	24.66	292.150	30.00
	6	2437	20.83	20.79	23.82	241.010	30.00
	11	2462	20.88	20.62	23.76	237.807	30.00
11n HT40	3	2422	19.79	20.00	22.91	195.280	30.00
	6	2437	19.58	19.44	22.52	178.684	30.00
	9	2452	19.50	18.84	22.19	165.685	30.00



10. Power Spectral Density

10.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm.

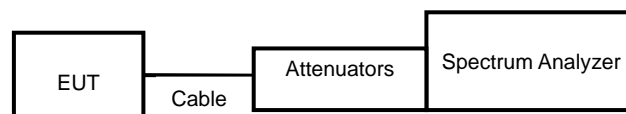
10.2 Test Procedures

Test procedure refers to section 11.10.2 Method PKPSD (peak PSD).

The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq [3 \times \text{RBW}]$.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
 - i) Use the peak marker function to determine the maximum amplitude level within the RBW.
 - j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

10.3 Test Setup Layout

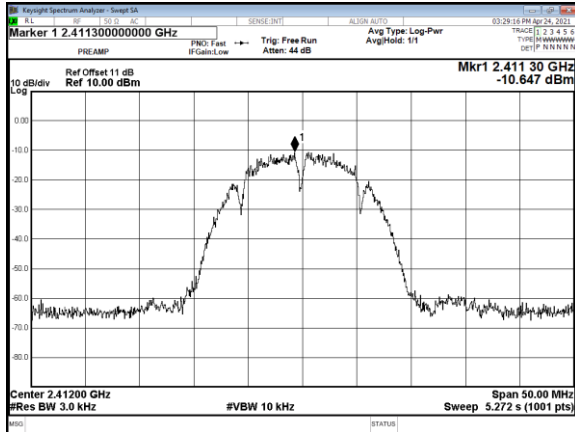


**10.4 Test Result and Data**

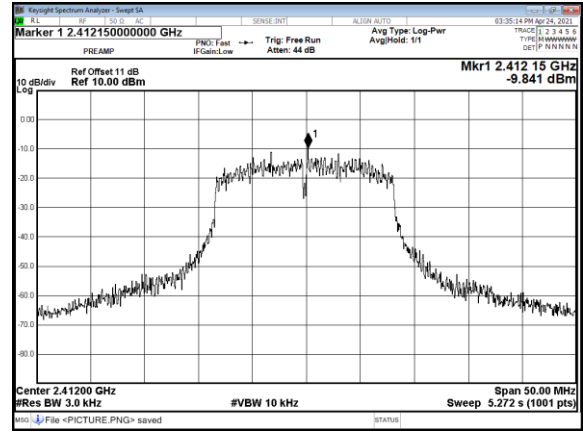
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Sum chain (dBm)	Total PSD (dBm)	Limit (dBm)
			ANT A	ANT B			
11b	1	2412	-10.65	-10.01	-7.31	-7.31	8.00
	6	2437	-10.18	-12.04	-8.00	-8.00	8.00
	11	2462	-11.19	-11.52	-8.34	-8.34	8.00
11g	1	2412	-9.84	-10.91	-7.33	-7.33	8.00
	6	2437	-12.22	-11.07	-8.60	-8.60	8.00
	11	2462	-11.58	-11.83	-8.69	-8.69	8.00
11n HT20	1	2412	-10.37	-11.97	-8.09	-8.09	8.00
	6	2437	-11.48	-12.28	-8.85	-8.85	8.00
	11	2462	-11.52	-12.77	-9.09	-9.09	8.00
11n HT40	3	2422	-15.87	-14.84	-12.31	-12.31	8.00
	6	2437	-16.83	-17.74	-14.25	-14.25	8.00
	9	2452	-16.95	-18.13	-14.49	-14.49	8.00



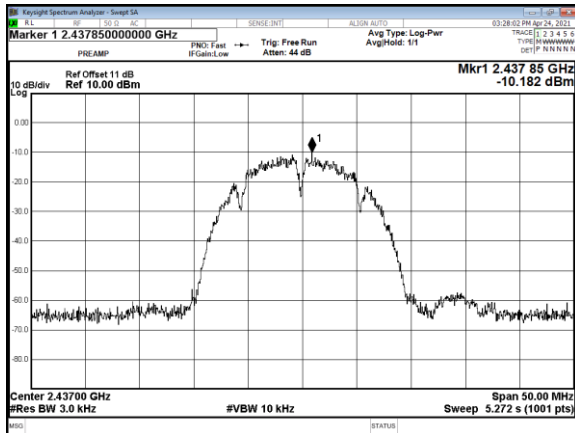
ANT A
Modulation Type: 802.11b
CH01



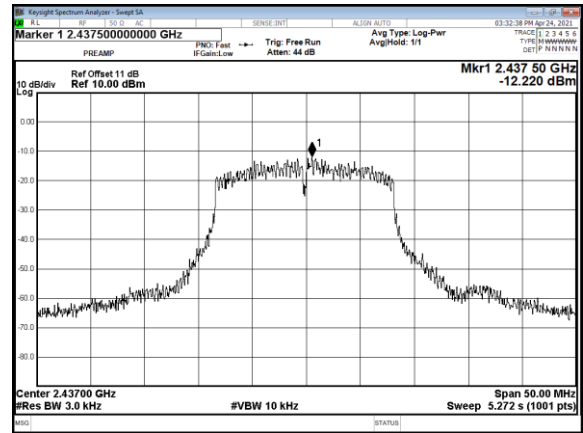
Modulation Type: 802.11g
CH01



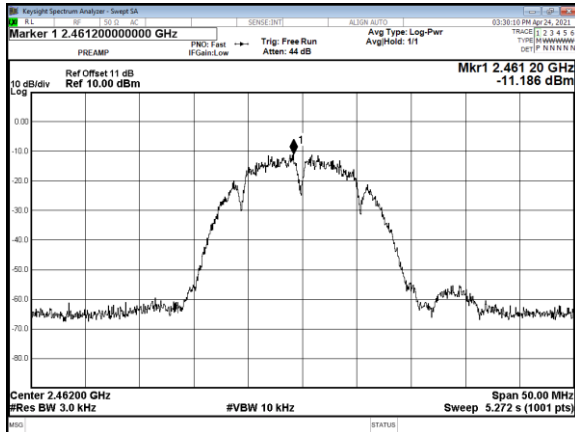
CH06



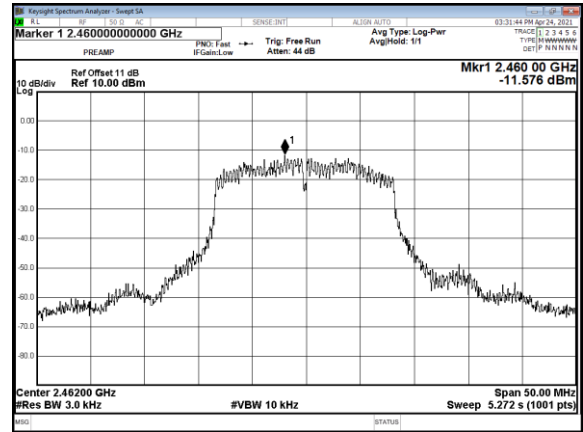
CH06



CH11

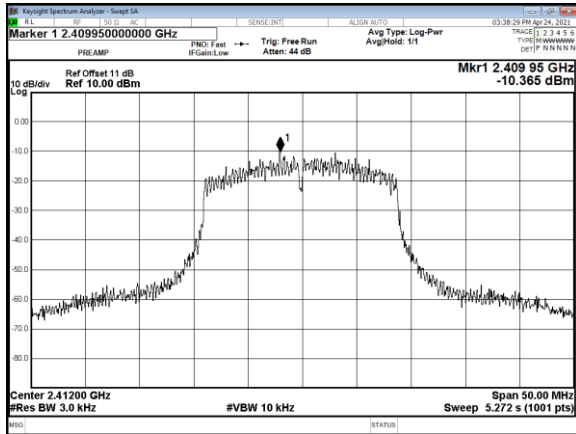


CH11

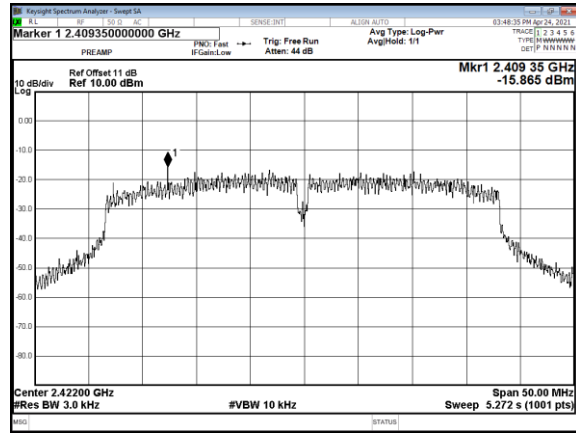




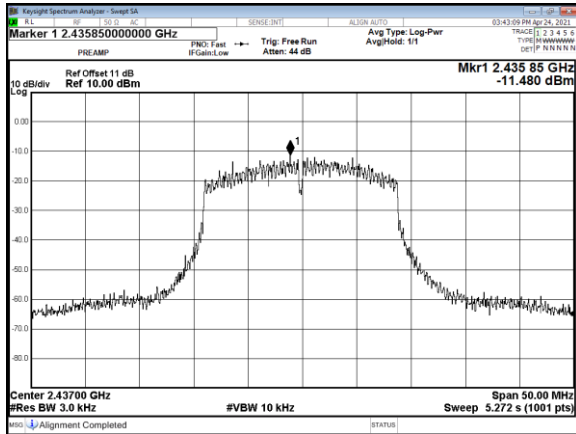
Modulation Type: 802.11n HT20
CH01



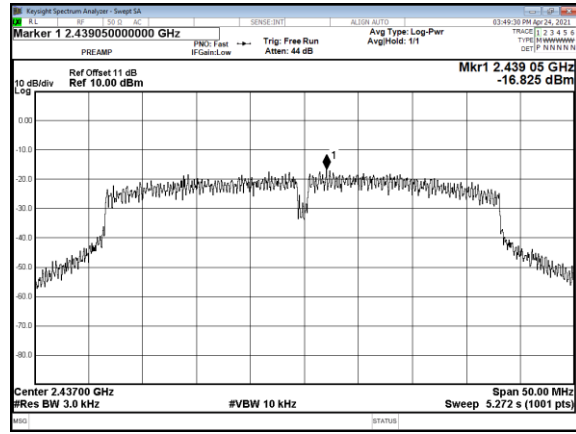
Modulation Type: 802.11n HT40
CH03



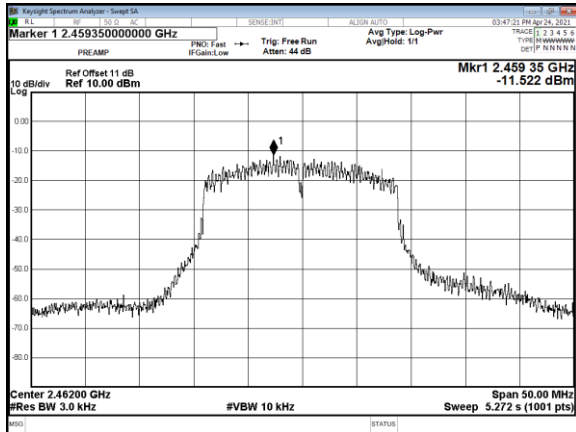
CH06



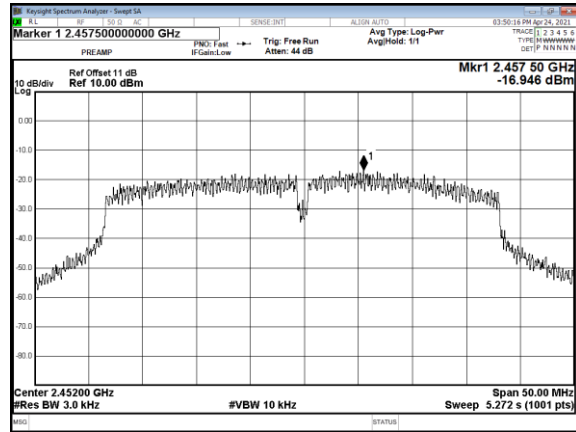
CH06



CH11

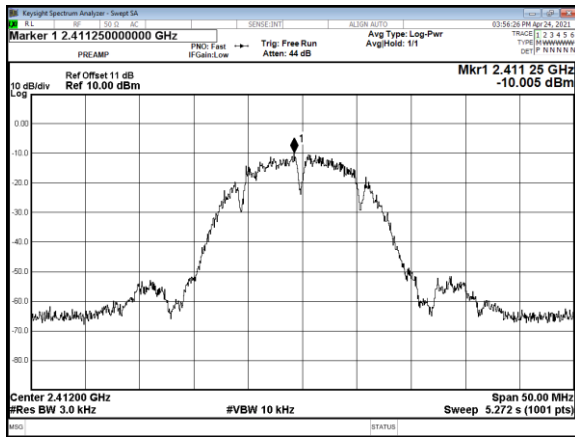


CH09

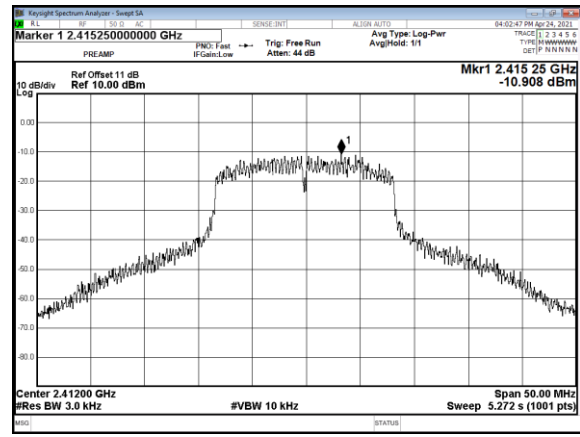




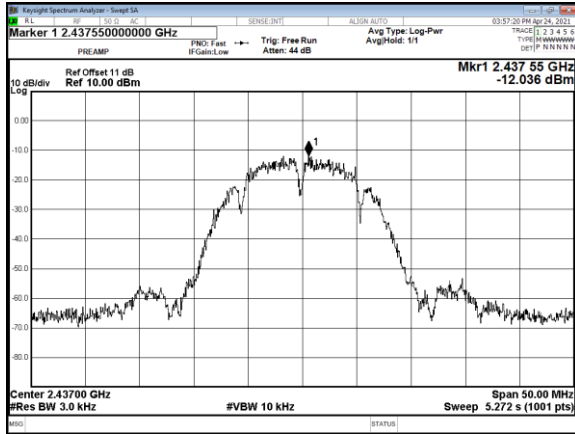
ANT B
Modulation Type: 802.11b
CH01



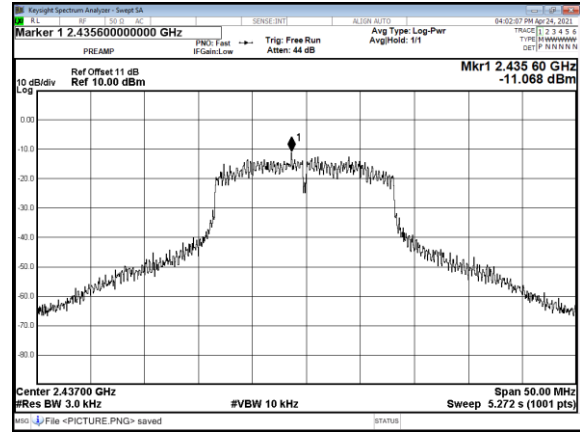
Modulation Type: 802.11g
CH01



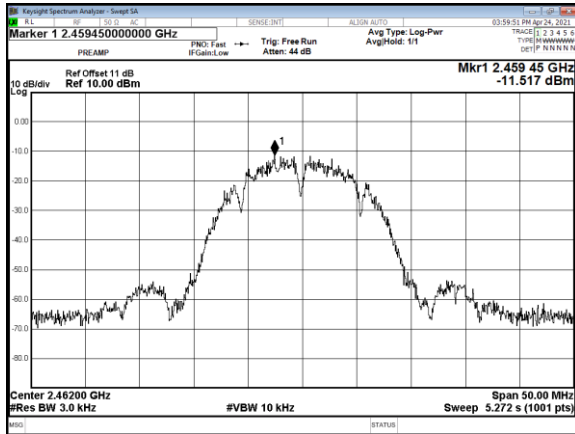
CH06



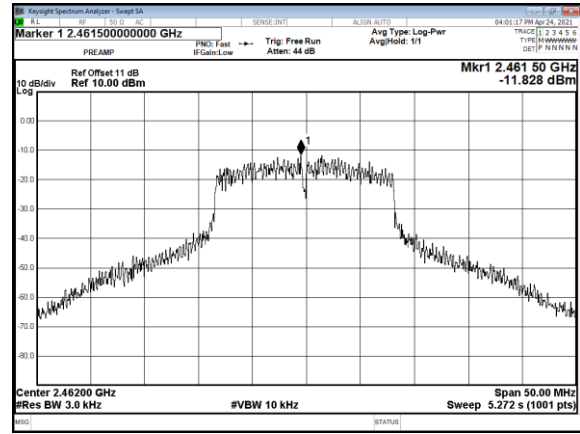
CH06



CH11

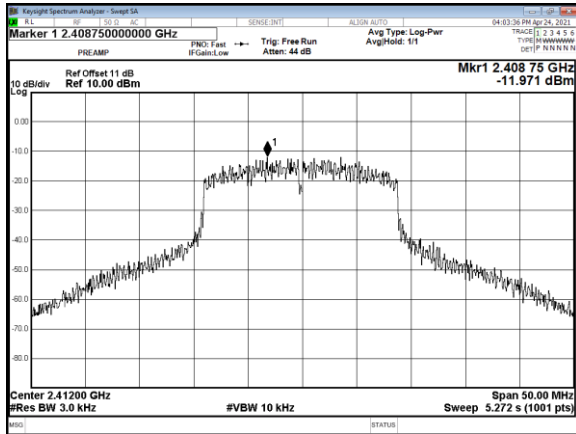


CH11

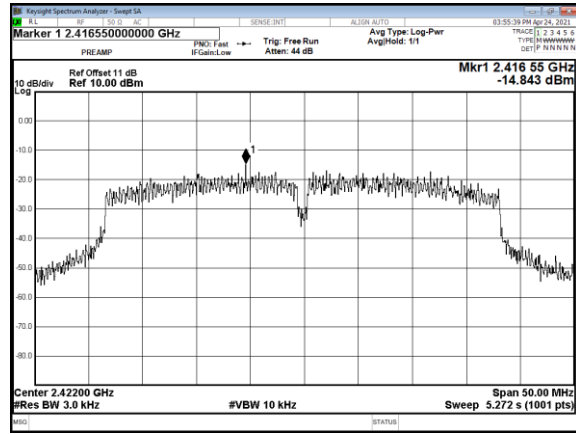




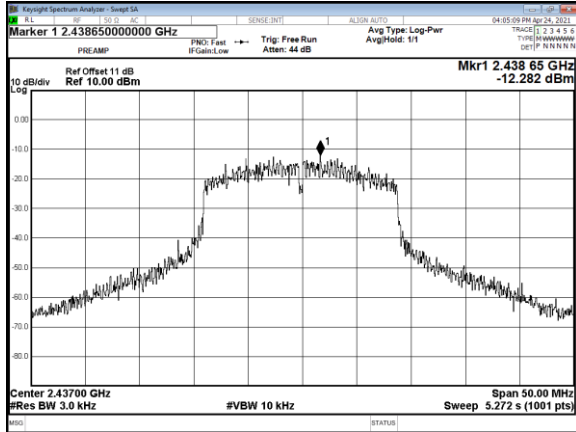
Modulation Type: 802.11n HT20
CH01



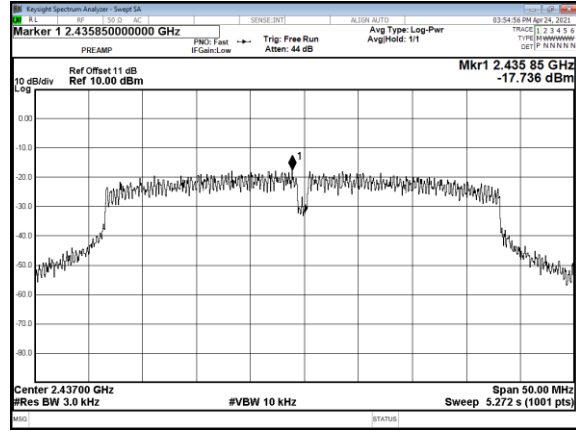
Modulation Type: 802.11n HT40
CH03



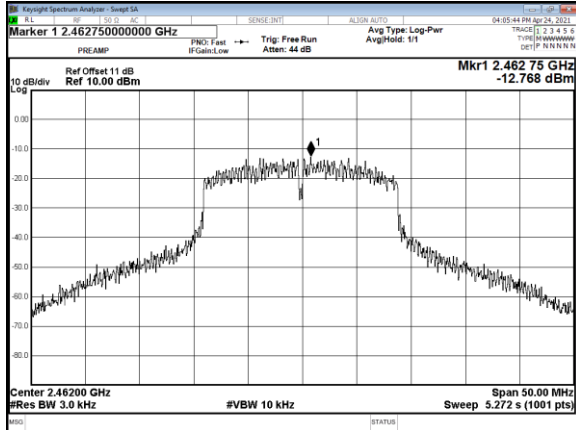
CH06



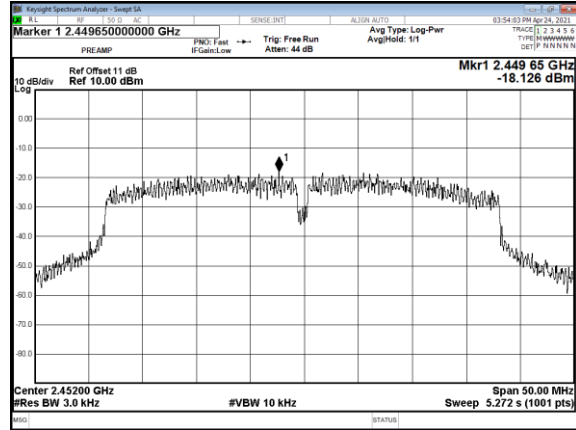
CH06



CH11



CH09



----- End of the report -----