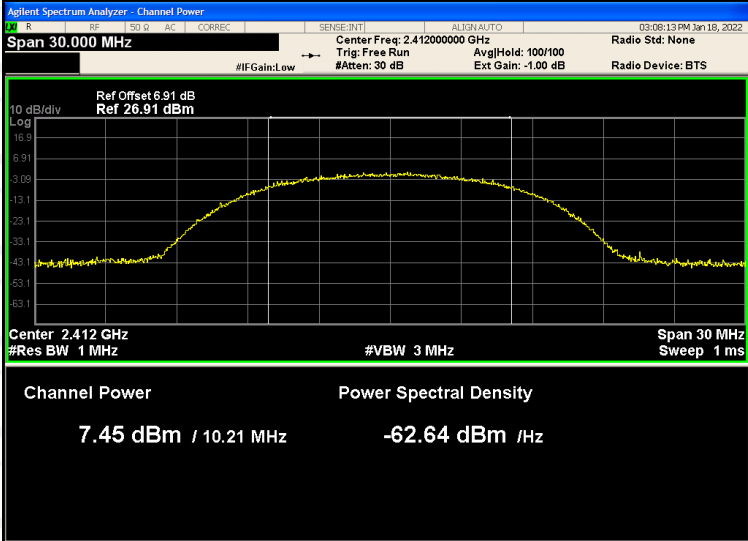
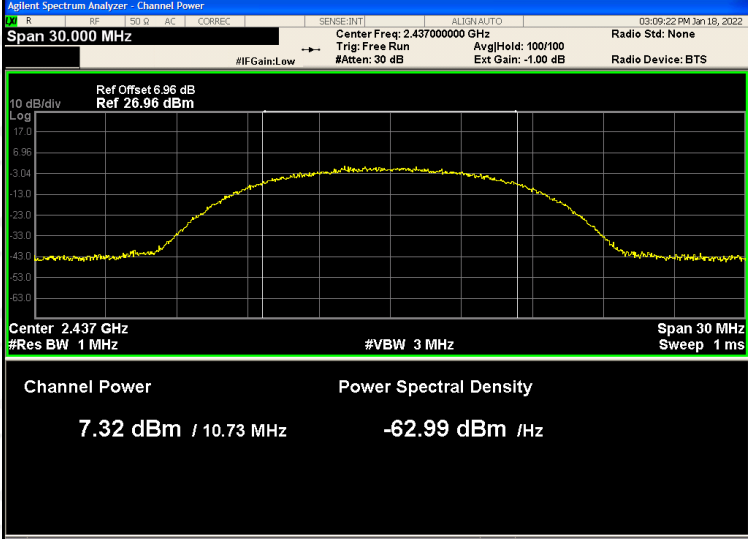
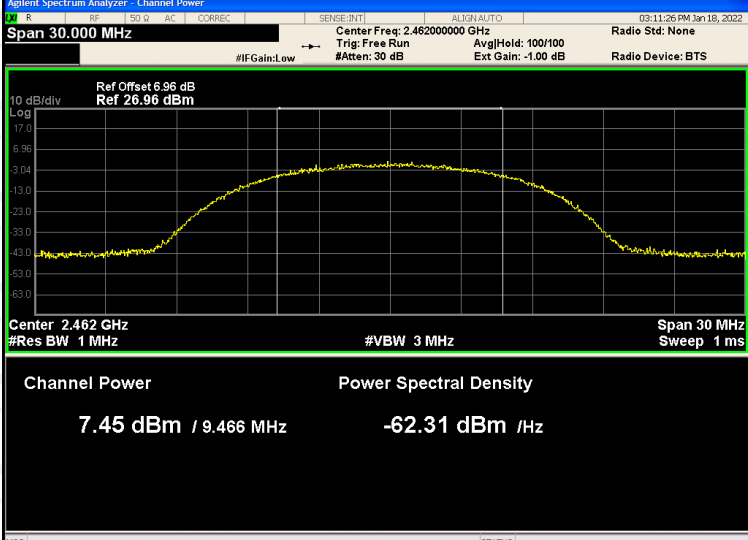
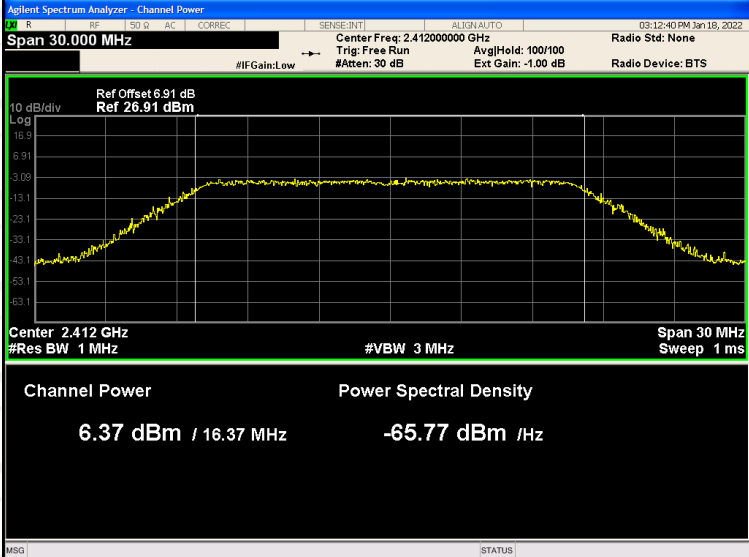
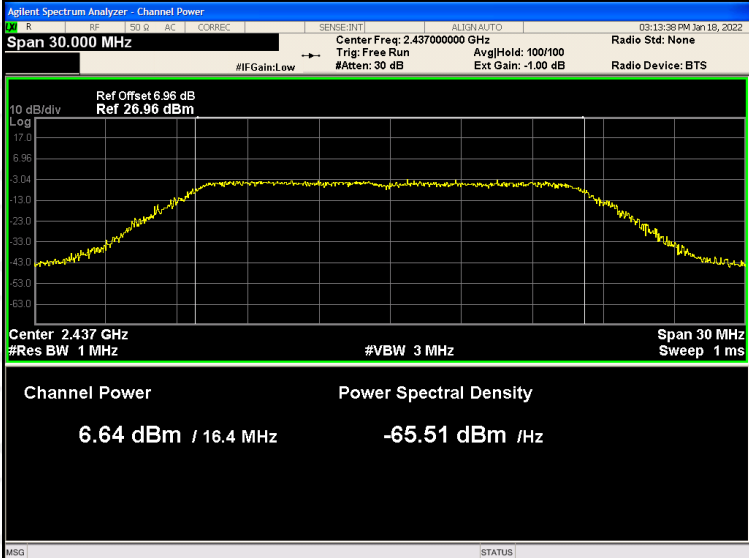
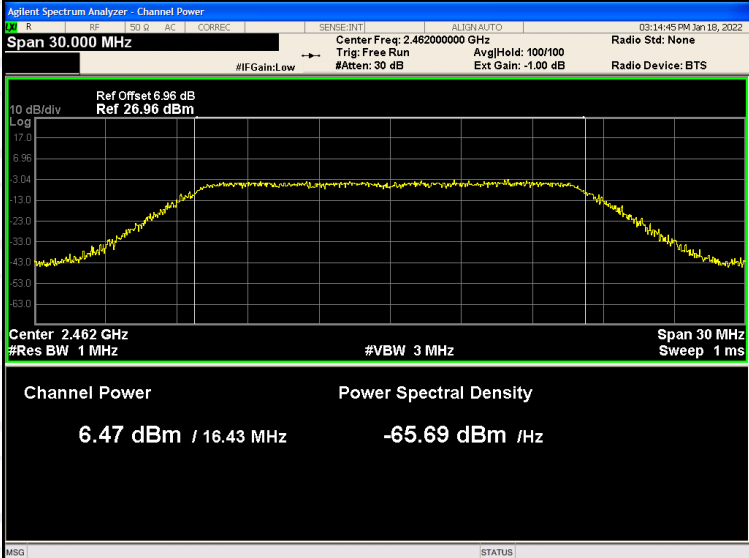


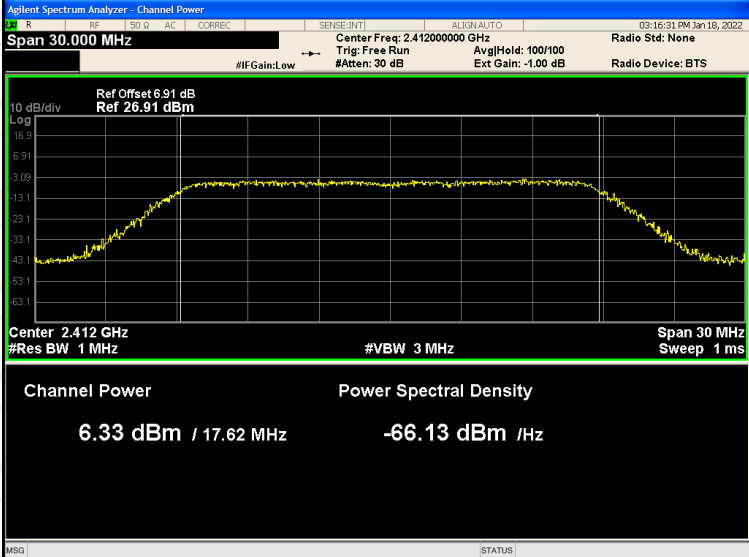
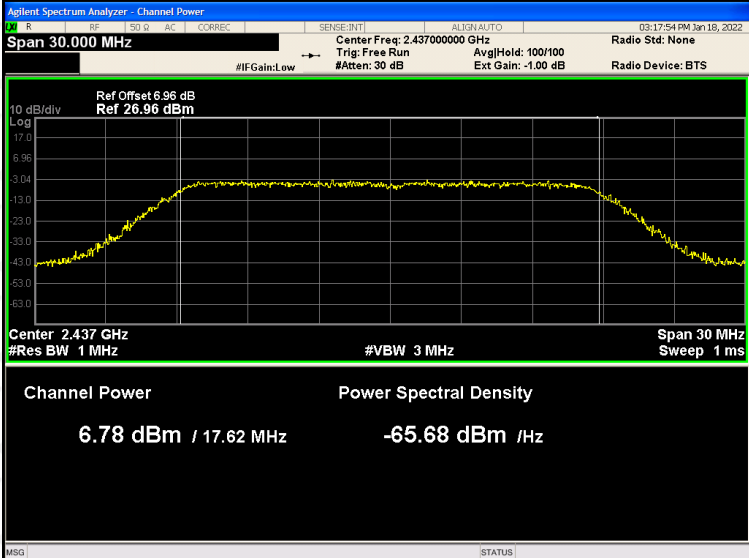
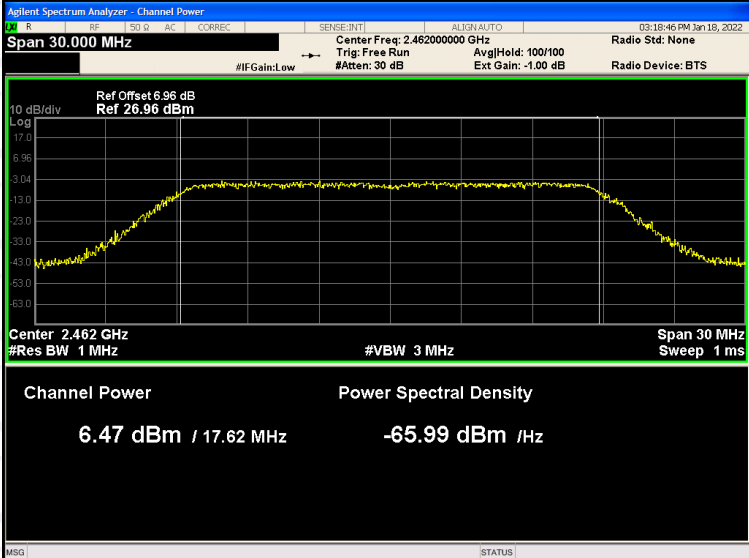
9.4 Test Result

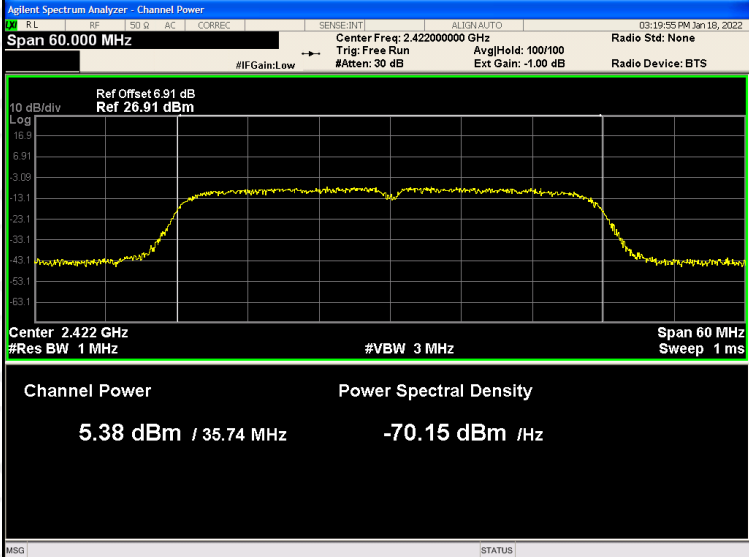
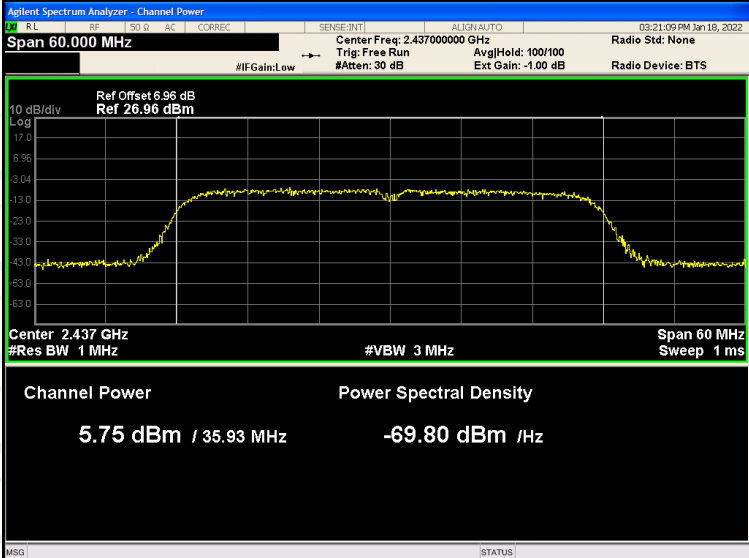
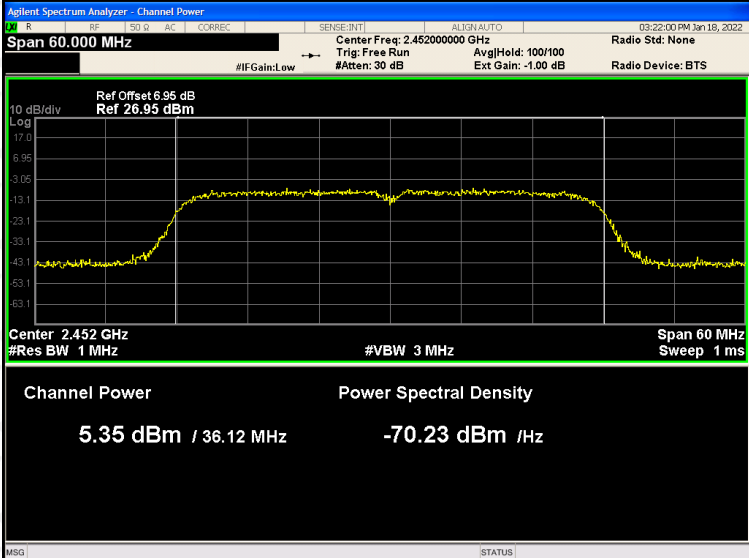
Mode	Channel.	Maximum Output Power [dBm] ant 1	Maximum Output Power [dBm] ant 2	Total Power Conducted Output Power(PK)	Limit[dBm]
802.11b	LCH	7.45	7.32	/	30
	MCH	7.32	7.11	/	30
	HCH	7.45	7.23	/	30
802.11g	LCH	6.37	6.52	/	30
	MCH	6.64	6.03	/	30
	HCH	6.47	6.43	/	30
802.11n(HT20)	LCH	6.33	6.03	9.193	30
	MCH	6.78	6.79	9.795	30
	HCH	6.47	6.23	9.362	30
802.11n(HT40)	LCH	5.38	5.05	8.228	30
	MCH	5.75	5.57	8.671	30
	HCH	5.35	5.03	8.203	30

ANT1:

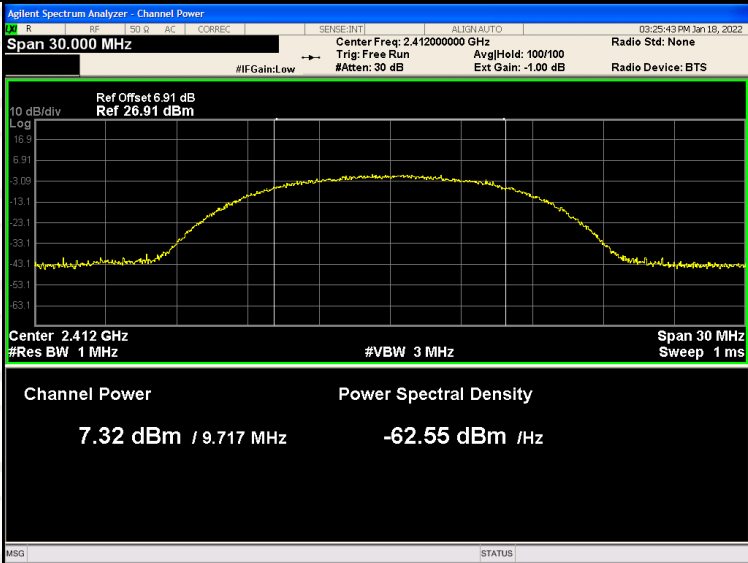
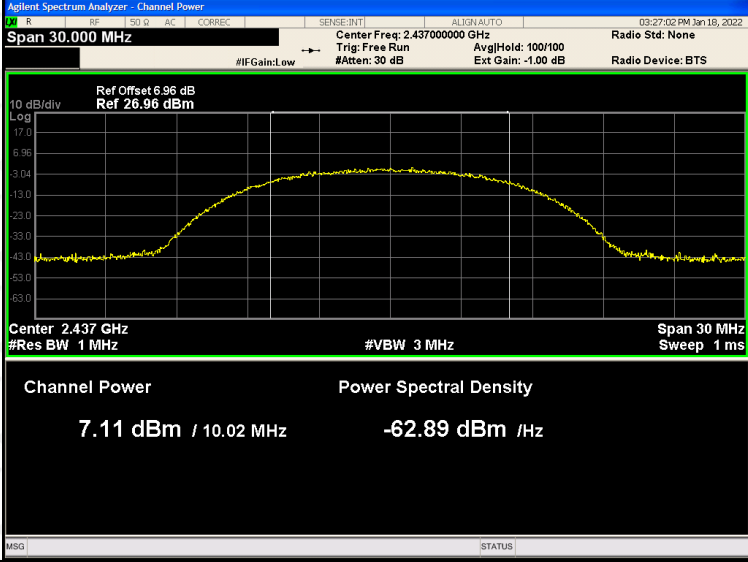
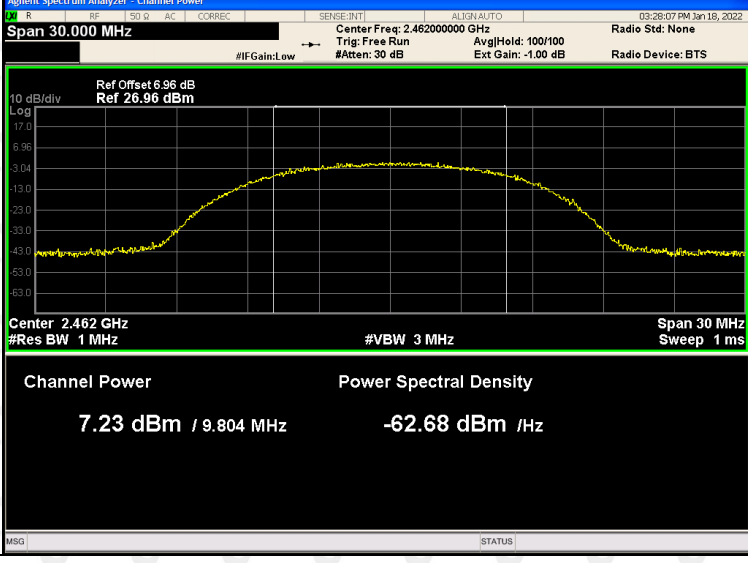
Mode	Channel.	Maximum Output Power [dBm]
802.11b	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 #Atten: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.45 dBm / 10.21 MHz -62.64 dBm / Hz
	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 100/100 #Atten: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.32 dBm / 10.73 MHz -62.99 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 #Atten: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.45 dBm / 9.466 MHz -62.31 dBm / Hz

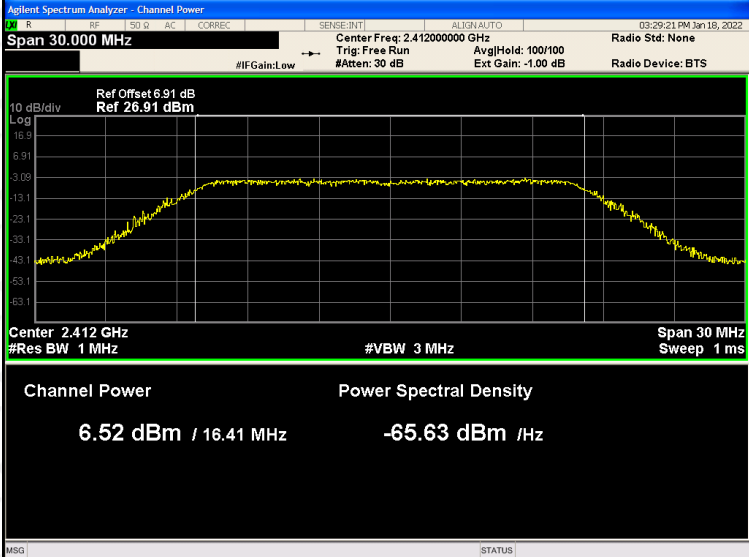
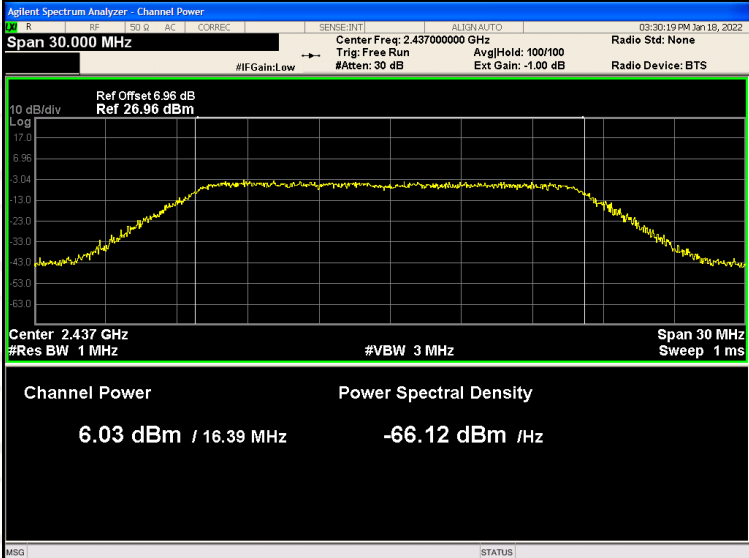
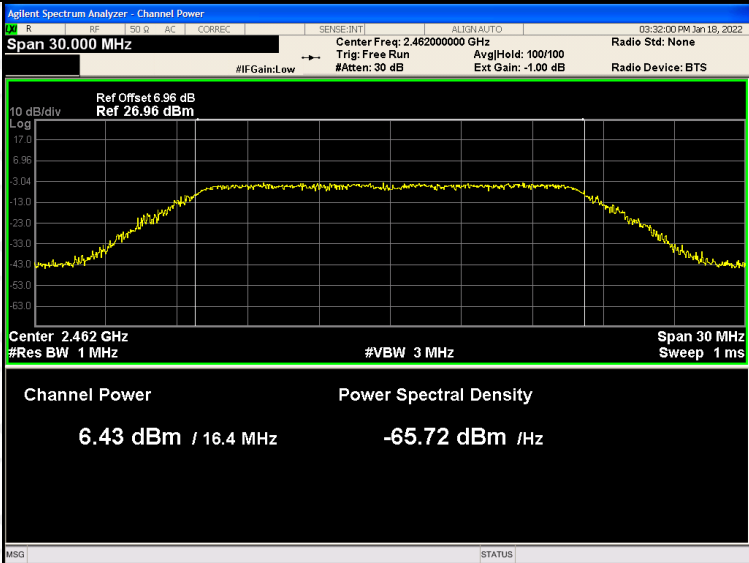
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.37 dBm / 16.37 MHz -65.77 dBm / Hz
802.11g	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.64 dBm / 16.4 MHz -65.51 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.47 dBm / 16.43 MHz -65.69 dBm / Hz

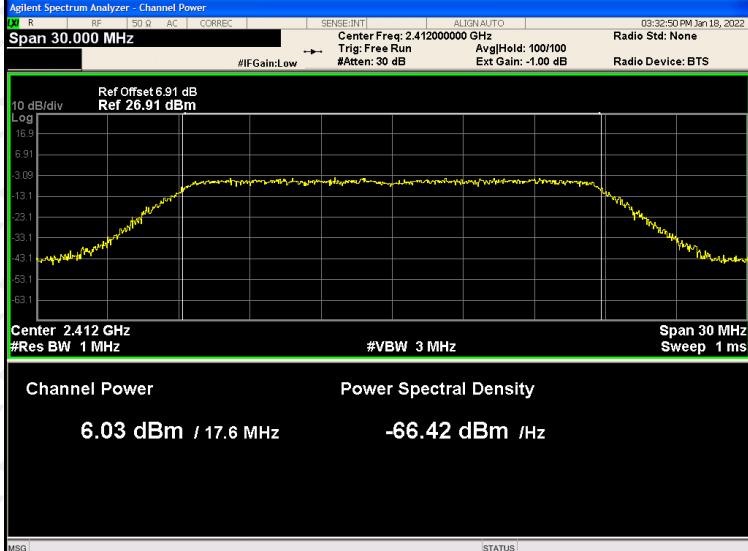
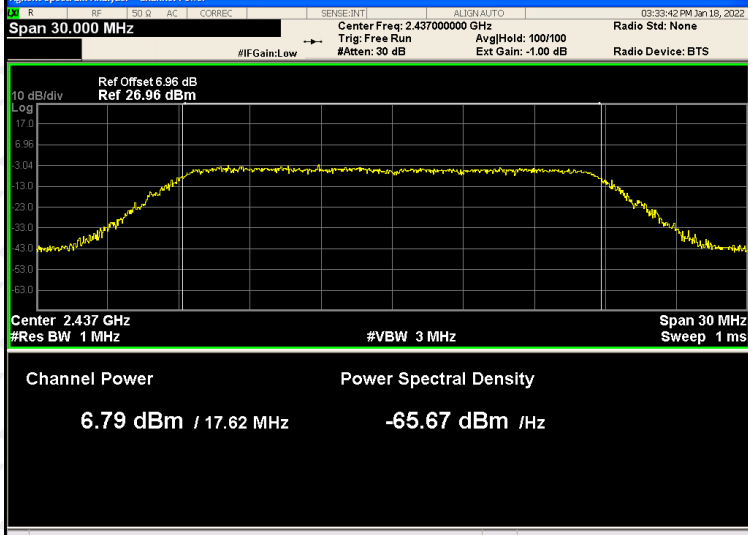
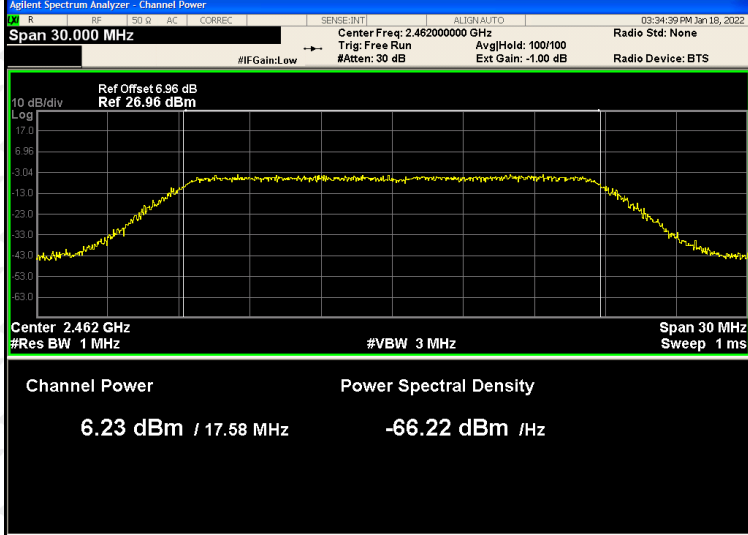
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 #Attenu: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.33 dBm / 17.62 MHz -66.13 dBm / Hz
802.11n(HT20)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 100/100 #Attenu: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.78 dBm / 17.62 MHz -65.68 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 #Attenu: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.47 dBm / 17.62 MHz -65.99 dBm / Hz

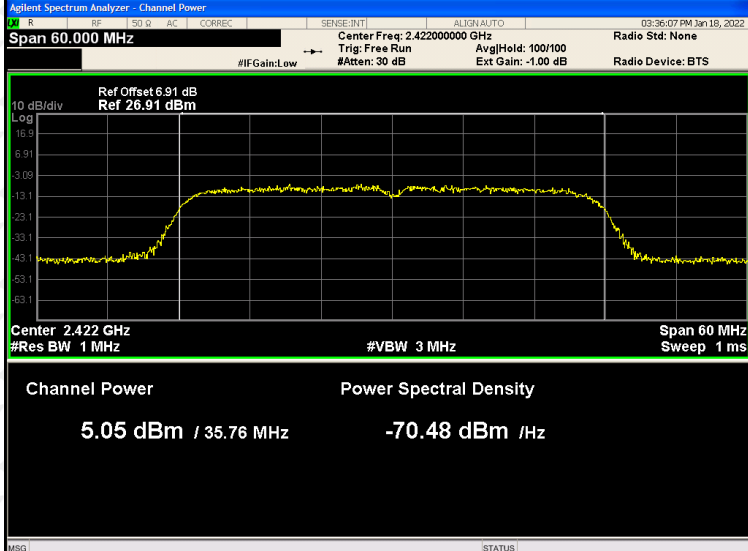
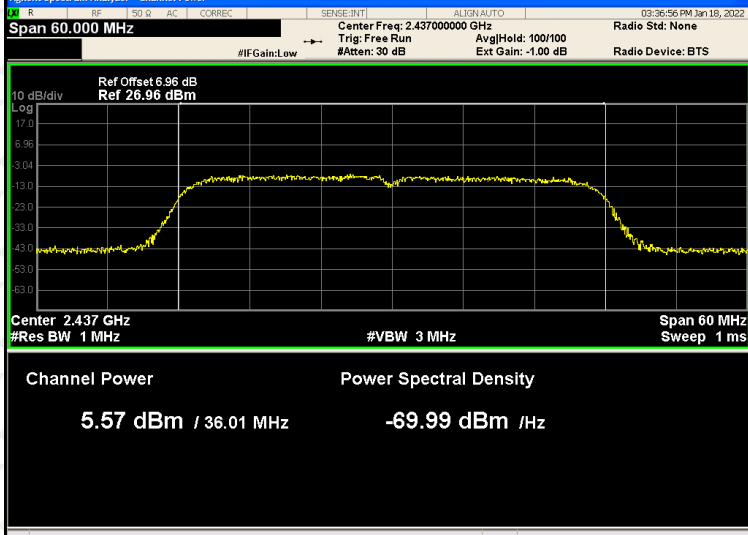
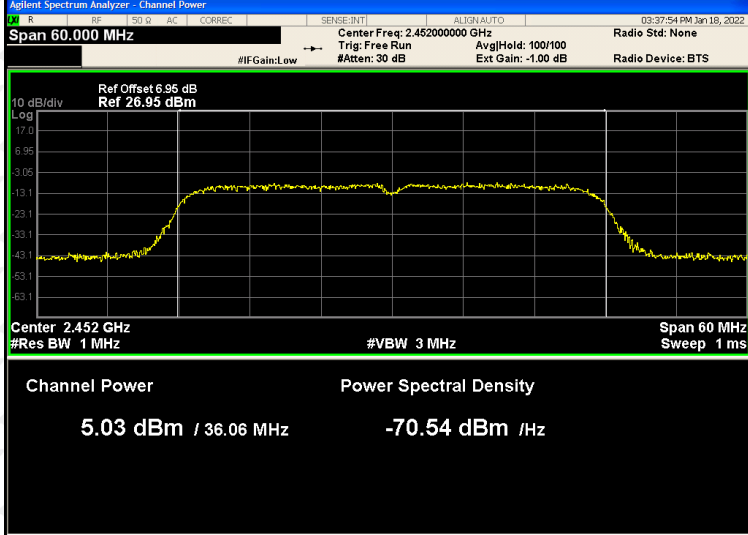
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.422000000 GHz Trig: Free Run #Att: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.38 dBm / 35.74 MHz -70.15 dBm / Hz
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run #Att: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.75 dBm / 35.93 MHz -69.80 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.452000000 GHz Trig: Free Run #Att: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.95 dB Ref 26.95 dBm 10 dB/div Log Center 2.452 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.35 dBm / 36.12 MHz -70.23 dBm / Hz

ANT2:

Mode	Channel.	Maximum Output Power [dBm]
802.11b	LCH	 Channel Power: 7.32 dBm / 9.717 MHz Power Spectral Density: -62.55 dBm / Hz
	MCH	 Channel Power: 7.11 dBm / 10.02 MHz Power Spectral Density: -62.89 dBm / Hz
	HCH	 Channel Power: 7.23 dBm / 9.804 MHz Power Spectral Density: -62.68 dBm / Hz

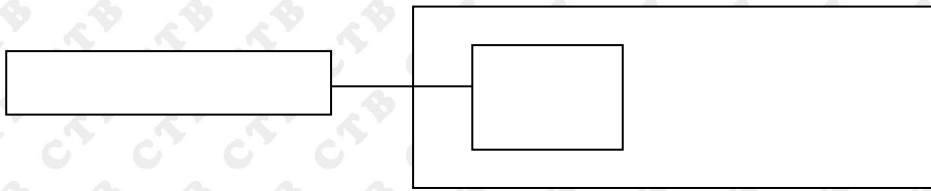
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.52 dBm / 16.41 MHz -65.63 dBm / Hz
802.11g	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.03 dBm / 16.39 MHz -66.12 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.43 dBm / 16.4 MHz -65.72 dBm / Hz

	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.03 dBm / 17.6 MHz -66.42 dBm / Hz	
802.11n(HT20)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.79 dBm / 17.62 MHz -65.67 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 #Att: 30 dB Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.23 dBm / 17.58 MHz -66.22 dBm / Hz	

	LCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.422000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.05 dBm / 35.76 MHz -70.48 dBm / Hz	
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.437000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.57 dBm / 36.01 MHz -69.99 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.452000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.95 dB Ref 26.95 dBm 10 dB/div Log Center 2.452 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.03 dBm / 36.06 MHz -70.54 dBm / Hz	

10. 6DB OCCUPIED BANDWIDTH

10.1 Block Diagram Of Test Setup



10.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

10.3 Test procedure

1. Rem1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 Test Result

ANT1:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.211	500	PASS
	MCH	10.726	500	PASS
	HCH	9.466	500	PASS
802.11g	LCH	16.373	500	PASS
	MCH	16.396	500	PASS
	HCH	16.427	500	PASS
802.11n(HT20)	LCH	17.616	500	PASS
	MCH	17.616	500	PASS
	HCH	17.625	500	PASS
802.11n(HT40)	LCH	35.74	500	PASS
	MCH	35.932	500	PASS
	HCH	36.121	500	PASS

ANT2:

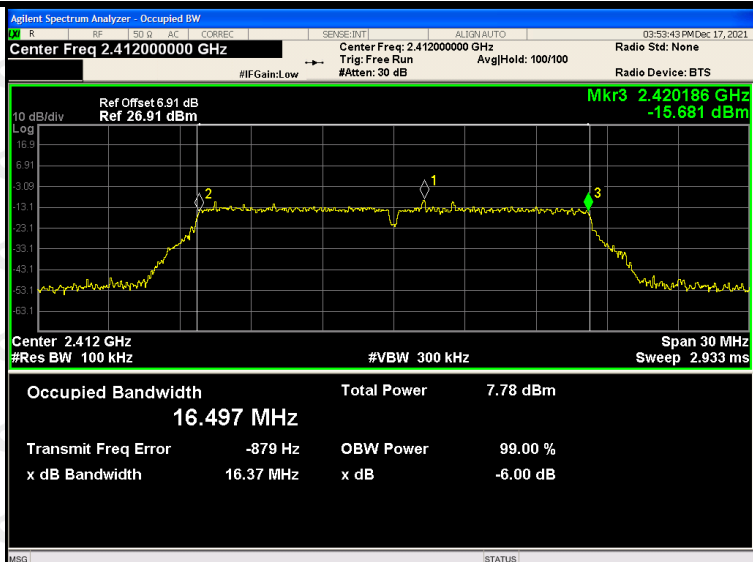
Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	9.717	500	PASS
	MCH	10.016	500	PASS
	HCH	9.804	500	PASS
802.11g	LCH	16.406	500	PASS
	MCH	16.39	500	PASS
	HCH	16.397	500	PASS
802.11n(HT20)	LCH	17.603	500	PASS
	MCH	17.617	500	PASS
	HCH	17.584	500	PASS
802.11n(HT40)	LCH	35.76	500	PASS
	MCH	36.015	500	PASS
	HCH	36.06	500	PASS

ANT1:

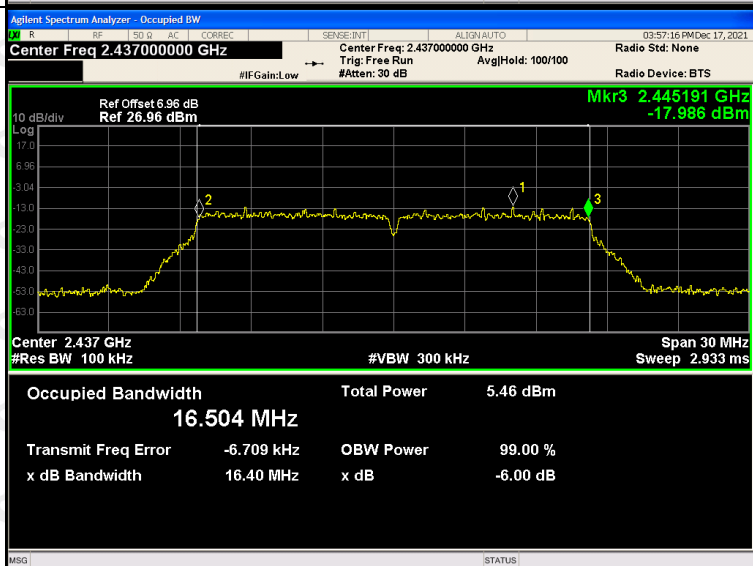
Test Graph:



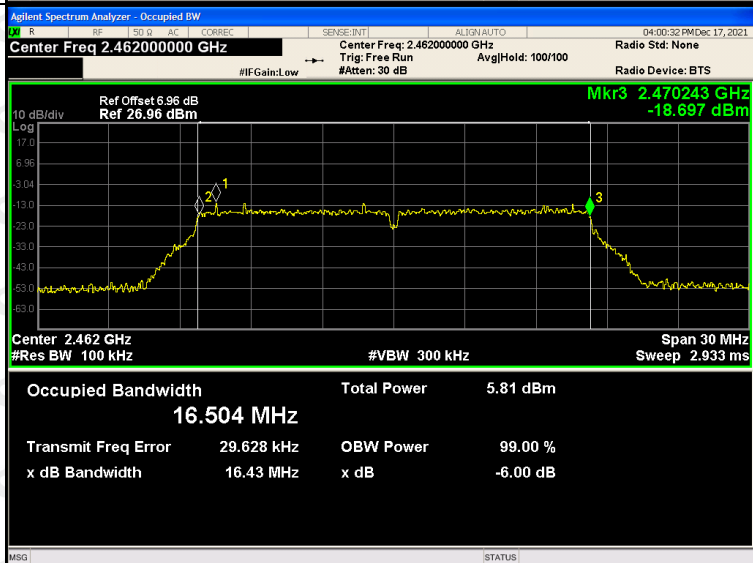
802.11g/LCH

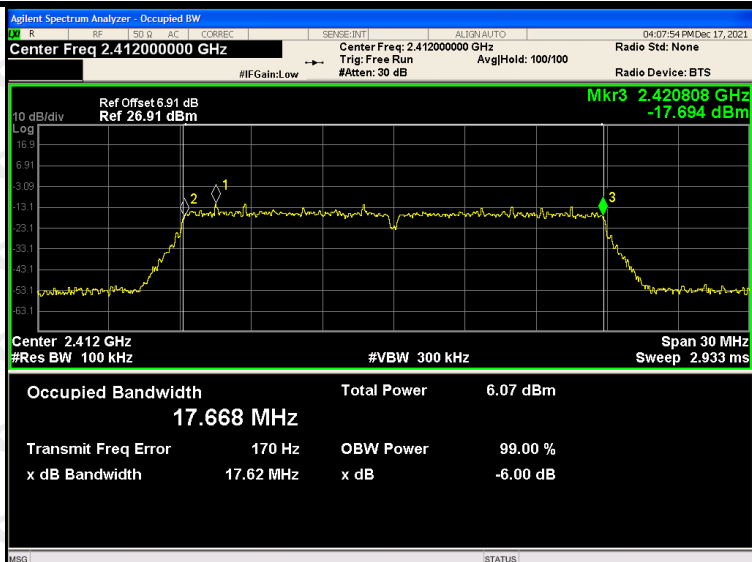
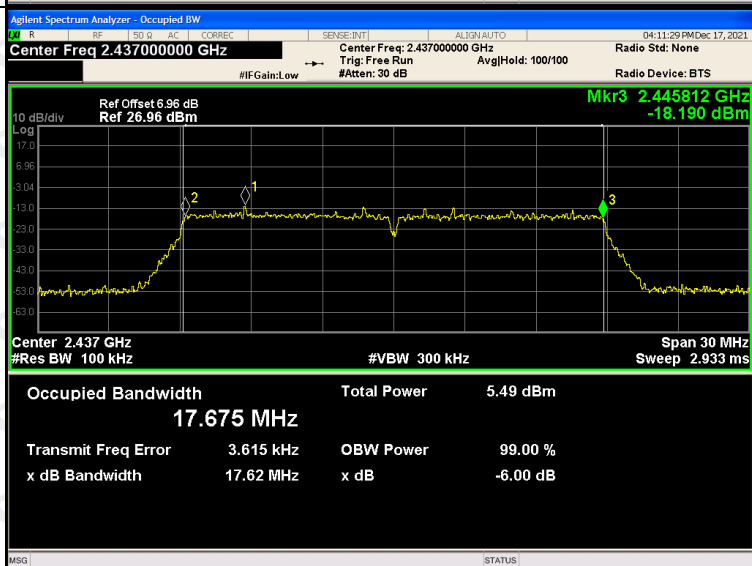
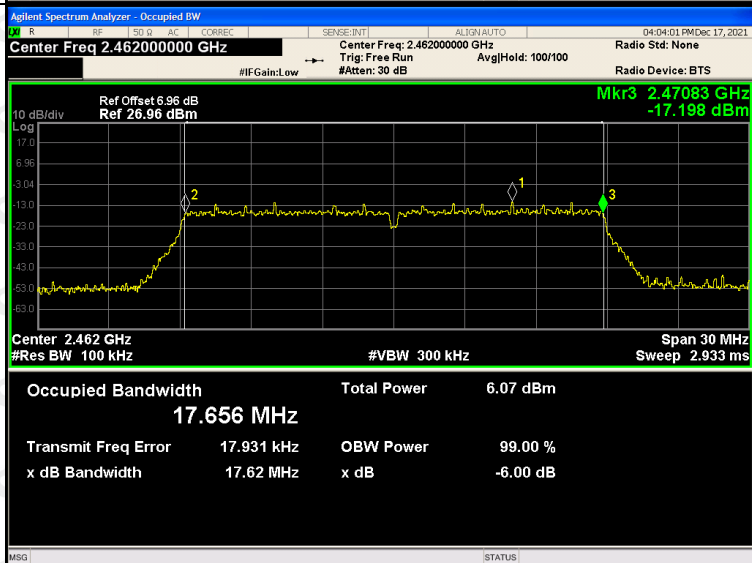


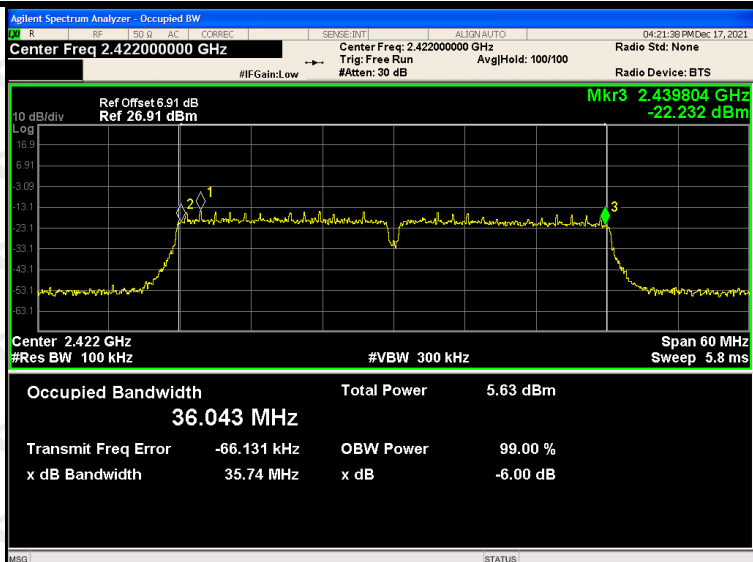
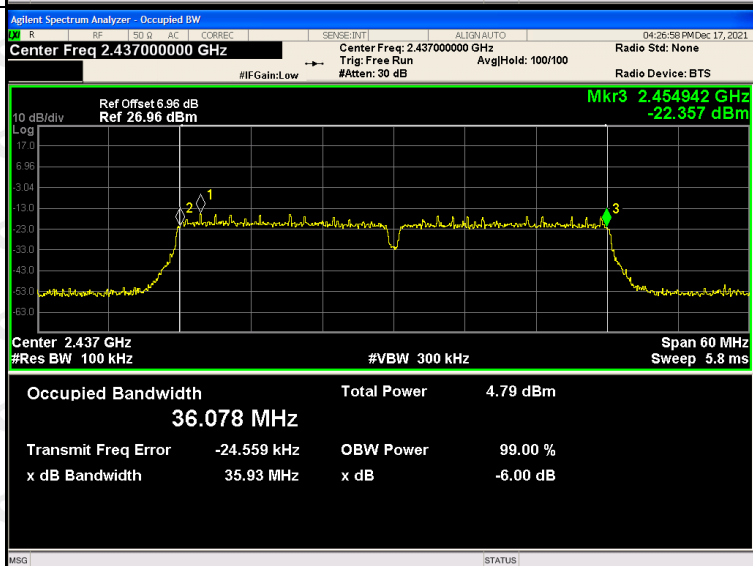
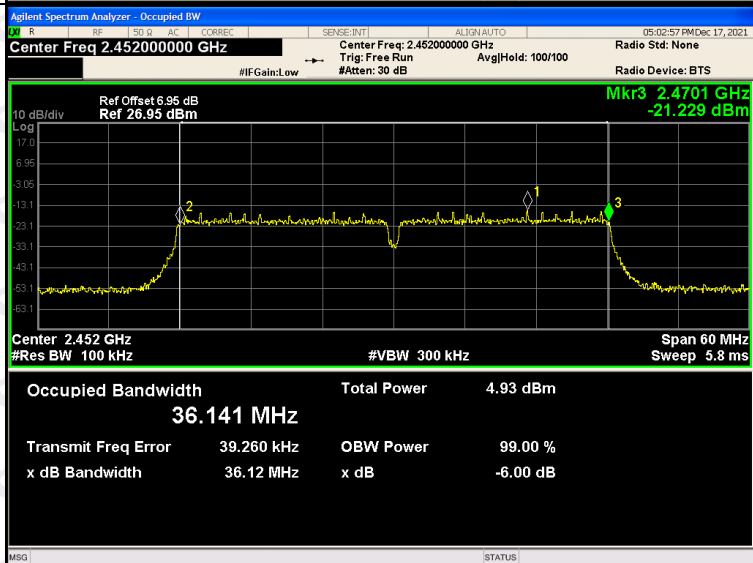
802.11g/MCH



802.11g/HCH



802.11n(HT20)/LC
H802.11n(HT20)/MC
H802.11n(HT20)/HC
H

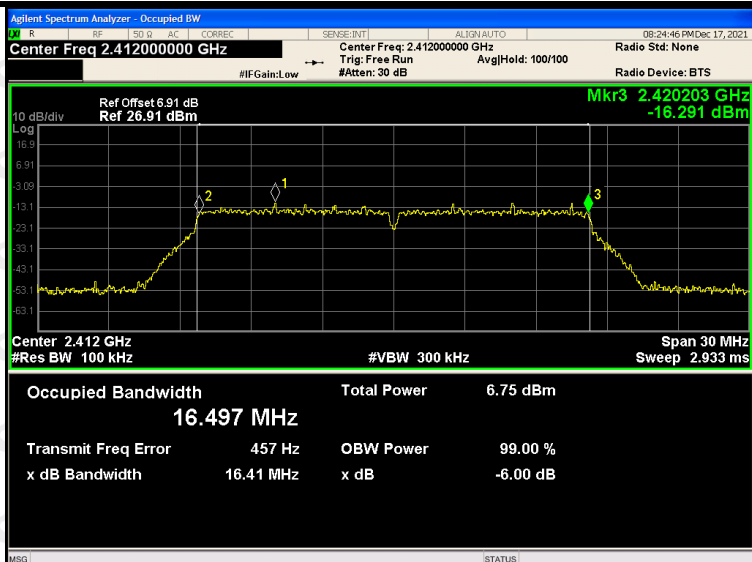
802.11n(HT40)/LC
H802.11n(HT40)/MC
H802.11n(HT40)/HC
H

ANT2:

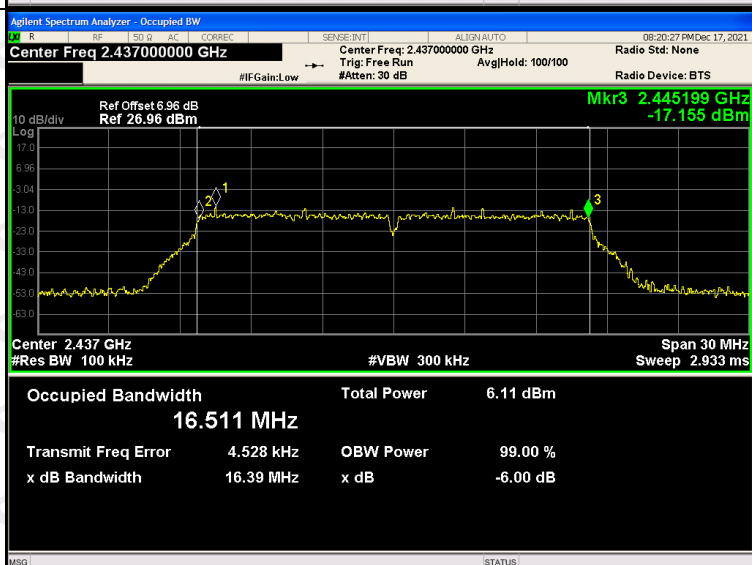
Test Graph:



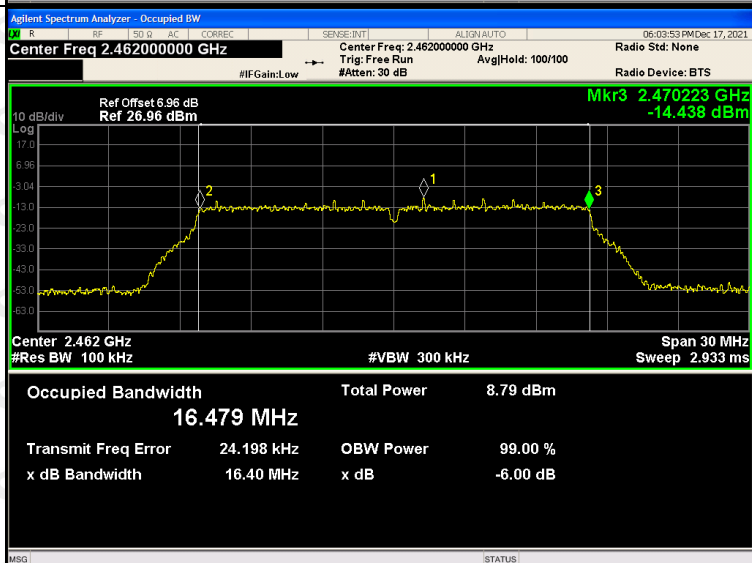
802.11g/LCH

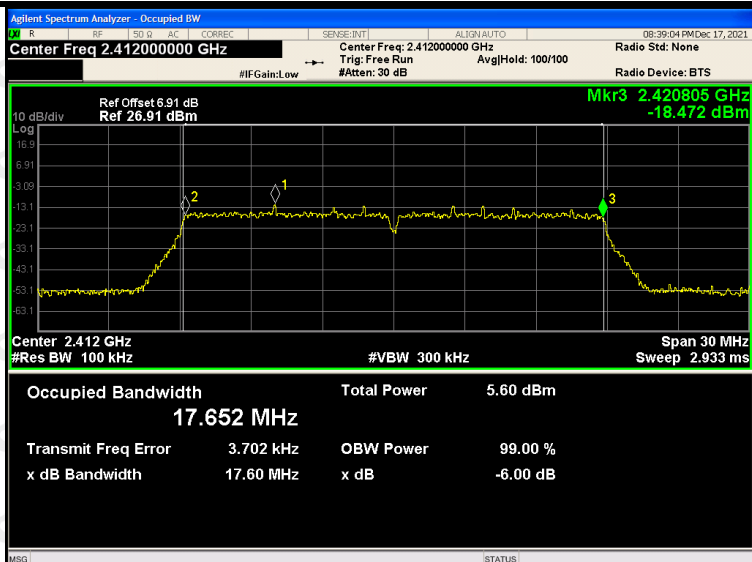
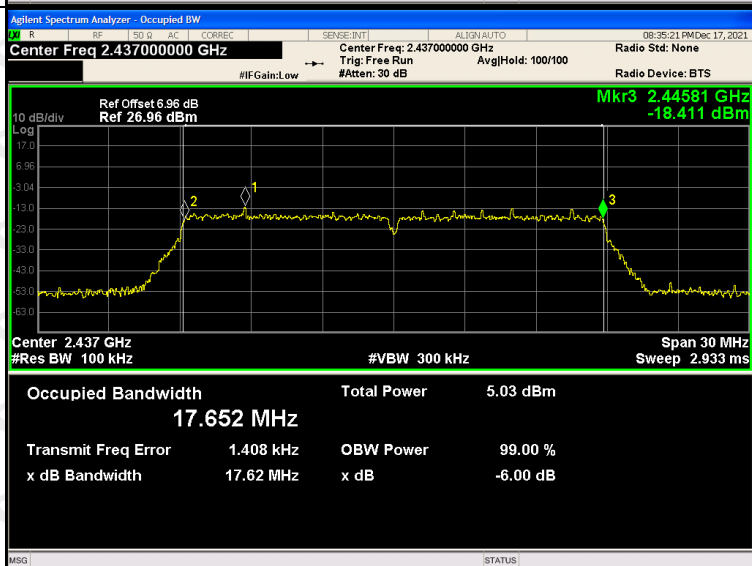
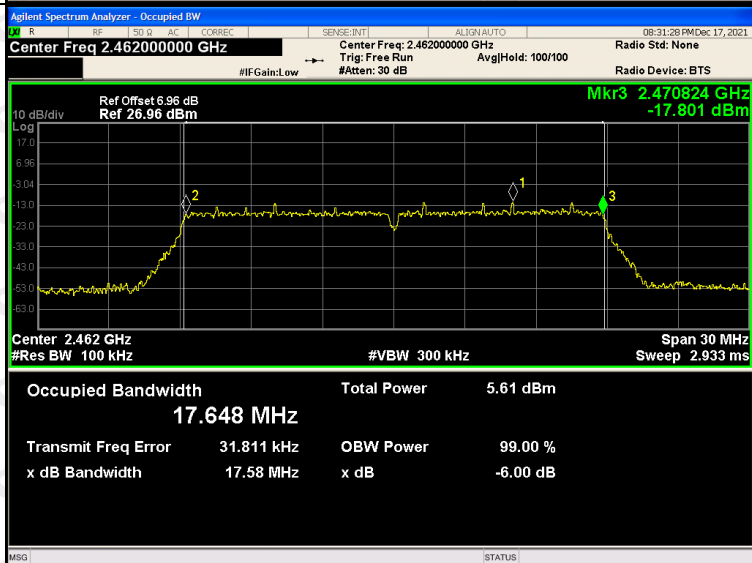


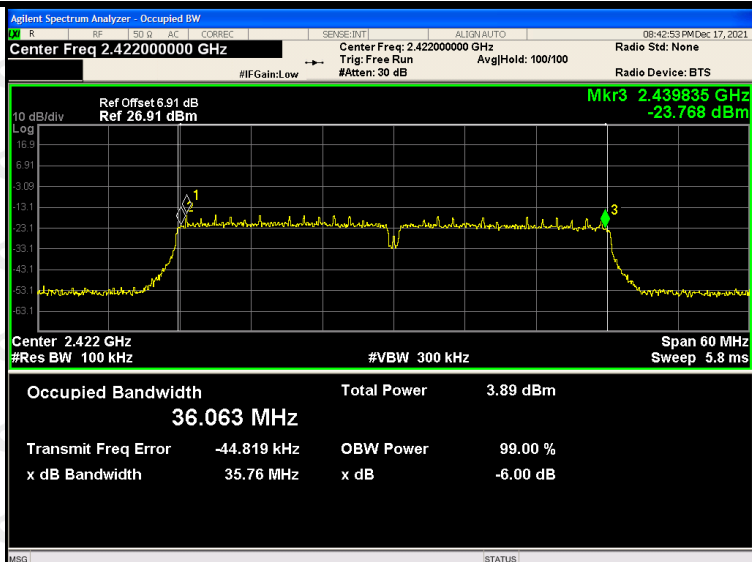
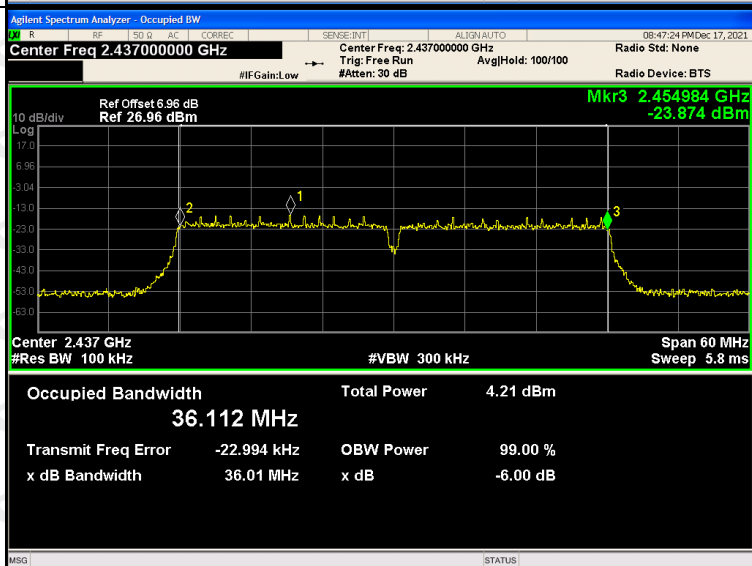
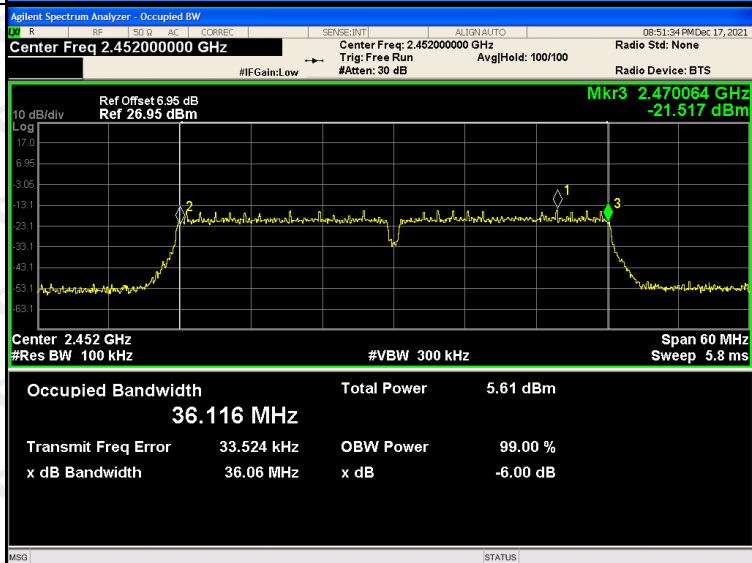
802.11g/MCH



802.11g/HCH

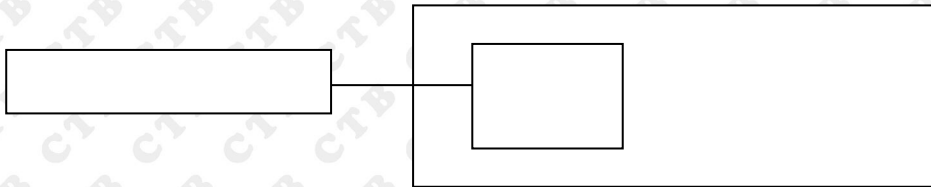


802.11n(HT20)/LC
H802.11n(HT20)/MC
H802.11n(HT20)/HC
H

802.11n(HT40)/LC
H802.11n(HT40)/MC
H802.11n(HT40)/HC
H

11. POWER SPECTRAL DENSITY

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

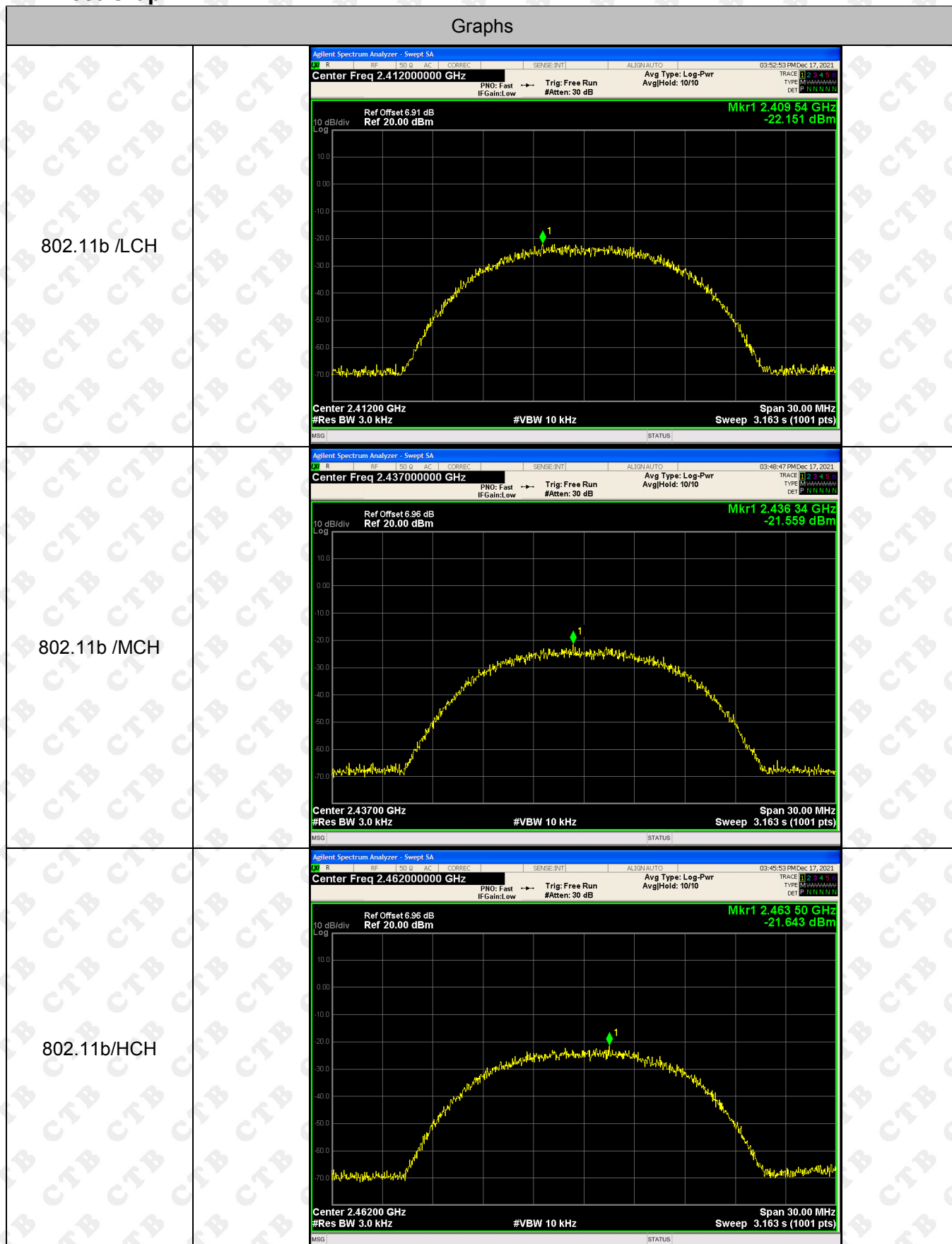
11.3 Test procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$.
4. Set the 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 within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

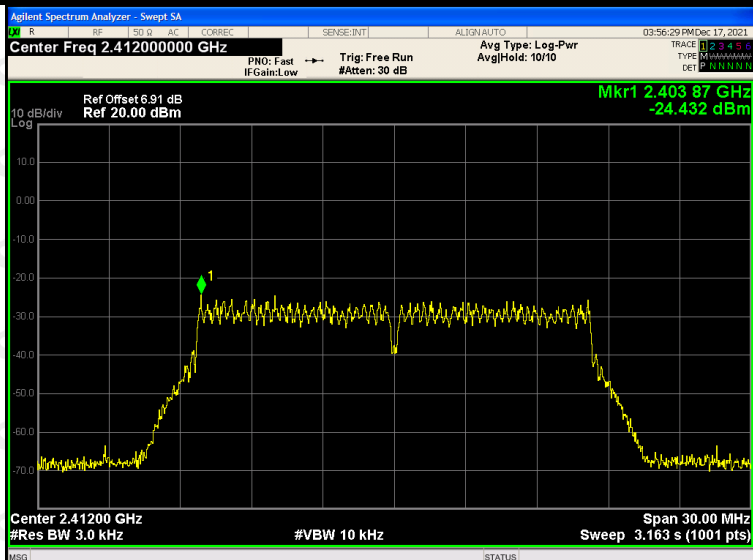
11.4 Test Result

Mode	Channel.	Power Spectral Density [dBm /3KHz] ANT 1	Power Spectral Density [dBm /3KHz] ANT 2	Power Spectral Density [dBm /3KHz] Total	Limit(dBm)
802.11b	LCH	-22.151	-21.684	/	8
	MCH	-21.559	-21.381	/	8
	HCH	-21.643	-22.171	/	8
802.11g	LCH	-24.432	-25.237	/	8
	MCH	-25.432	-25.359	/	8
	HCH	-25.043	-24.488	/	8
802.11n(H T20)	LCH	-24.578	-26.286	-22.338	8
	MCH	-25.896	-26.211	-23.040	8
	HCH	-25.336	-25.867	-22.583	8
802.11n(H T40)	LCH	-28.631	-28.873	-25.740	8
	MCH	-29.82	-29.57	-26.683	8
	HCH	-28.185	-27.855	-25.007	8

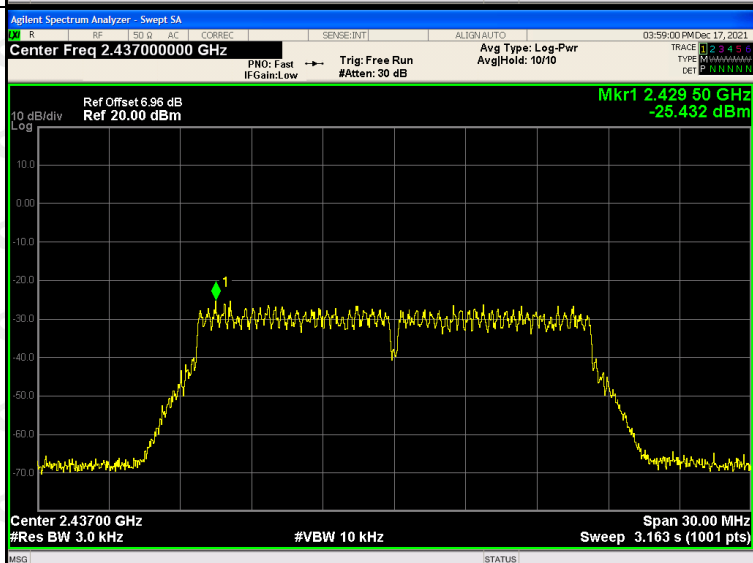
ANT1: Test Graph



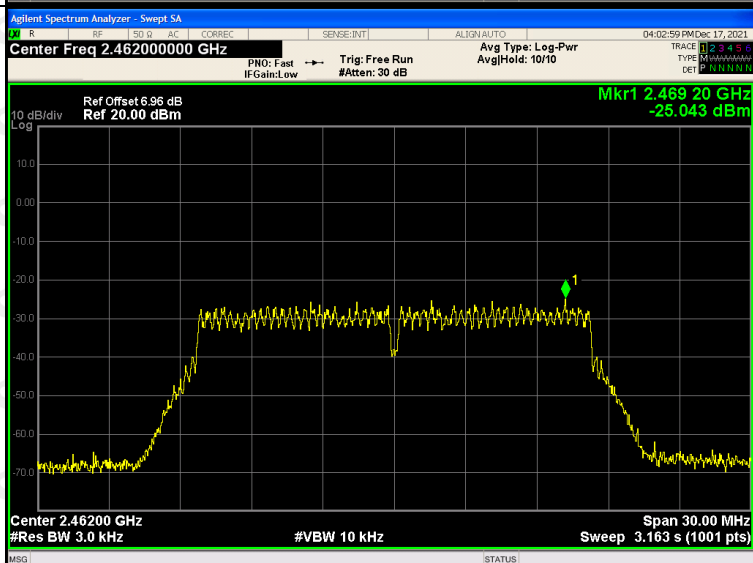
802.11g/LCH

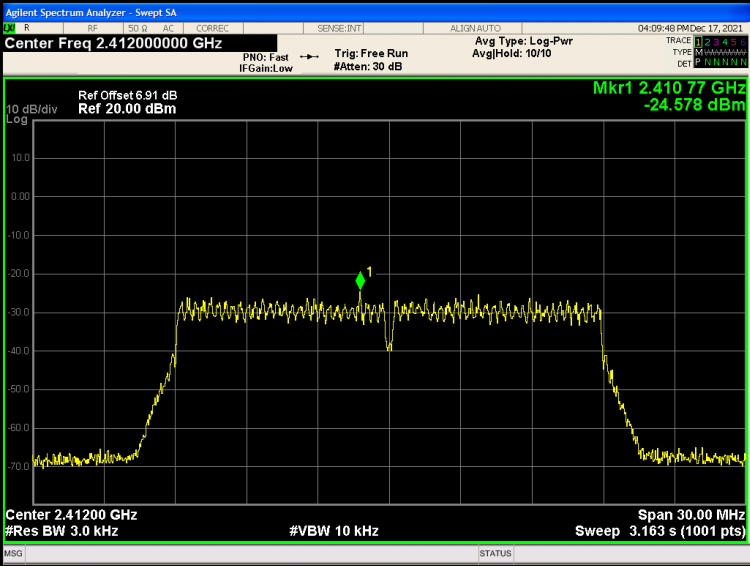
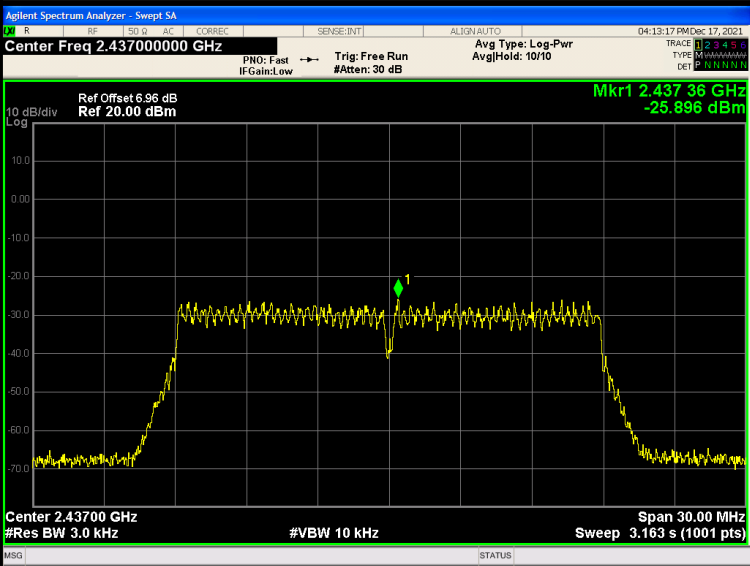
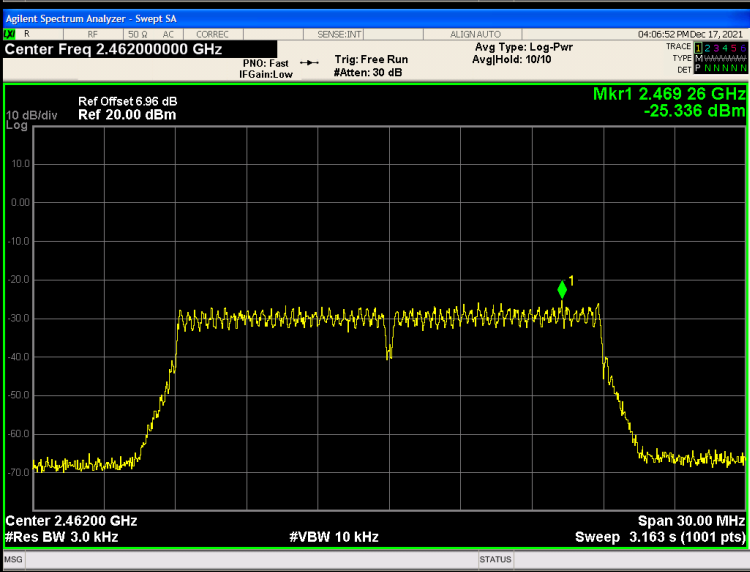


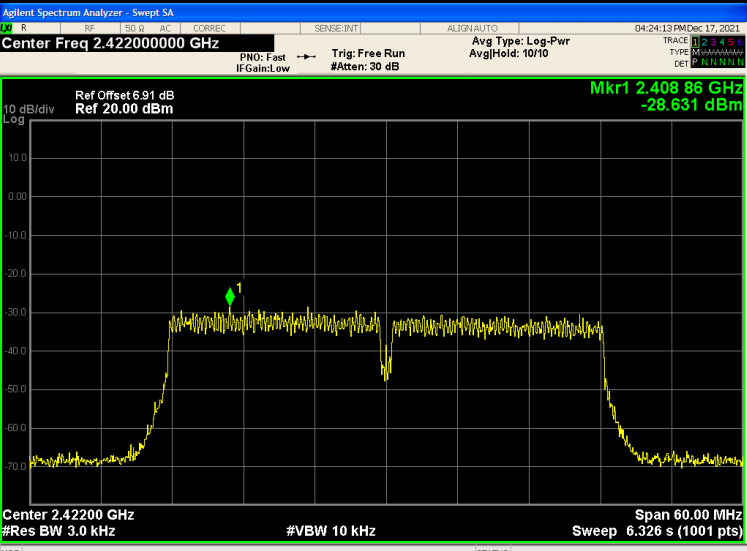
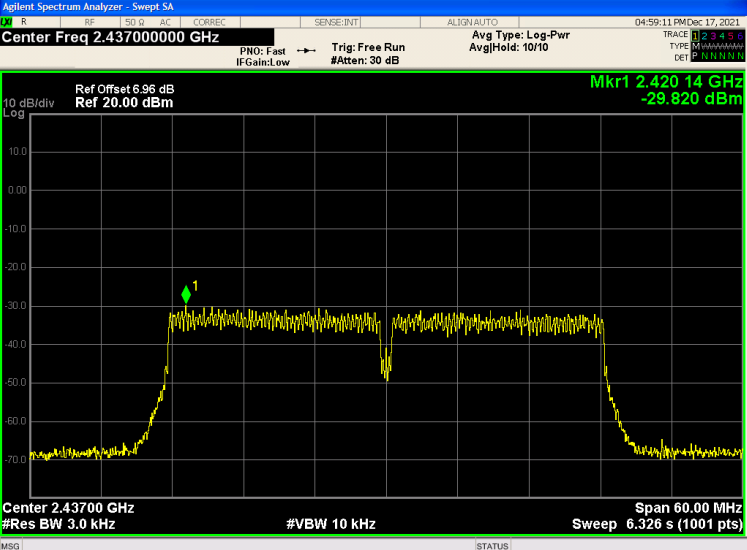
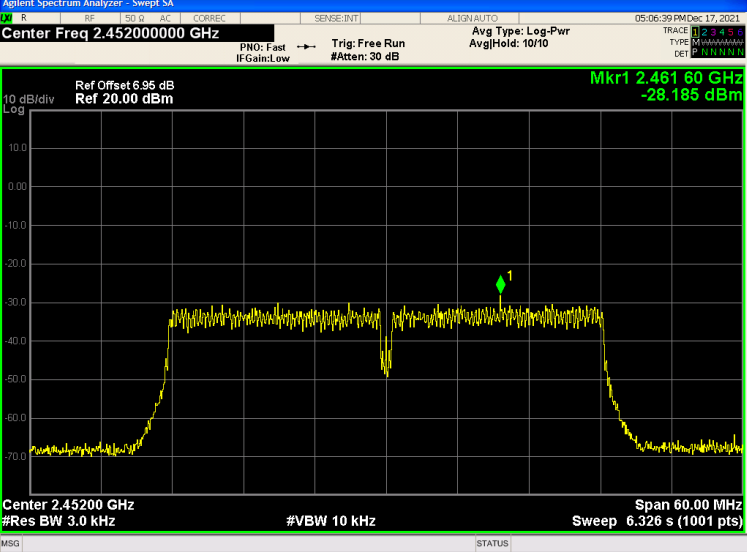
802.11g/MCH



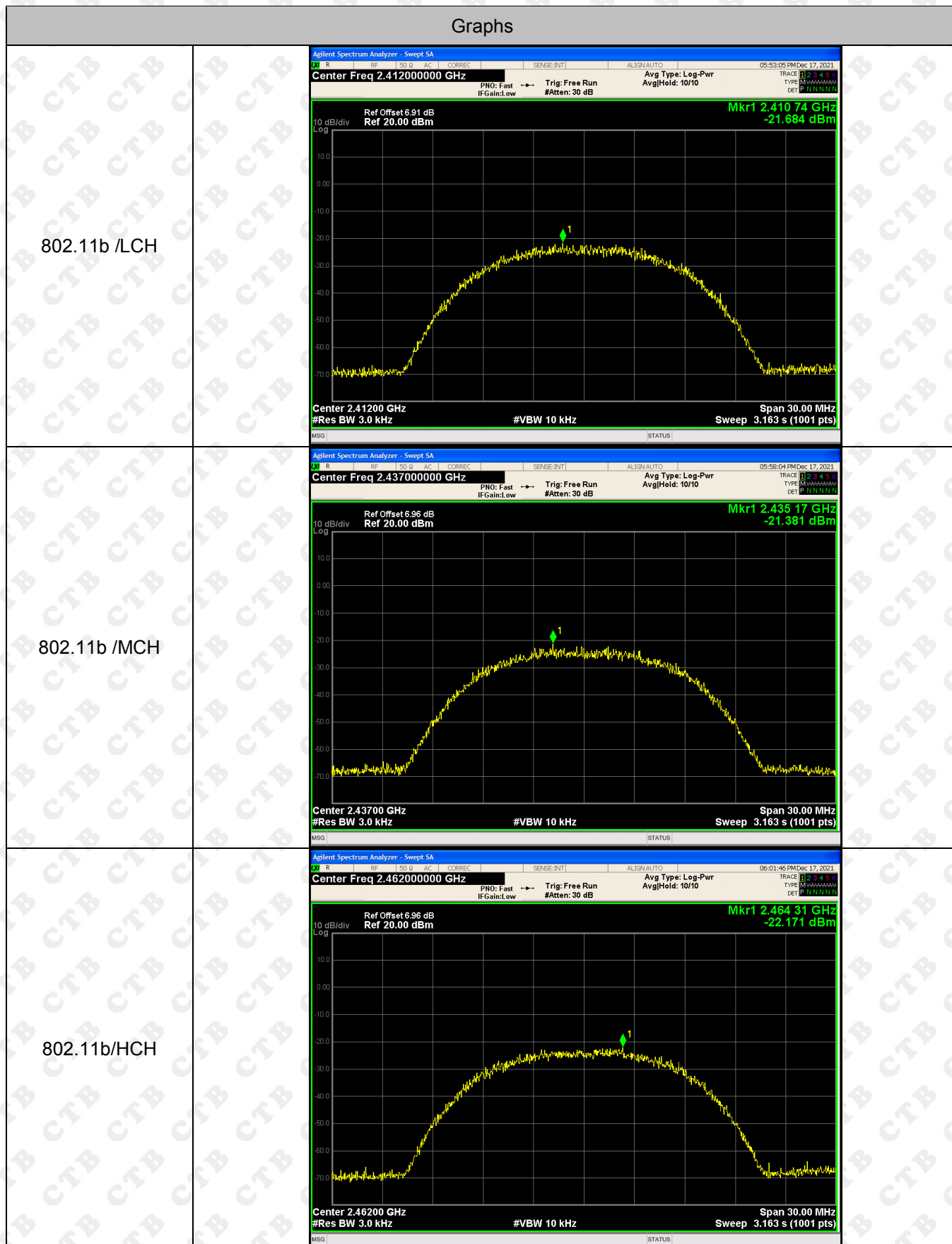
802.11g/HCH



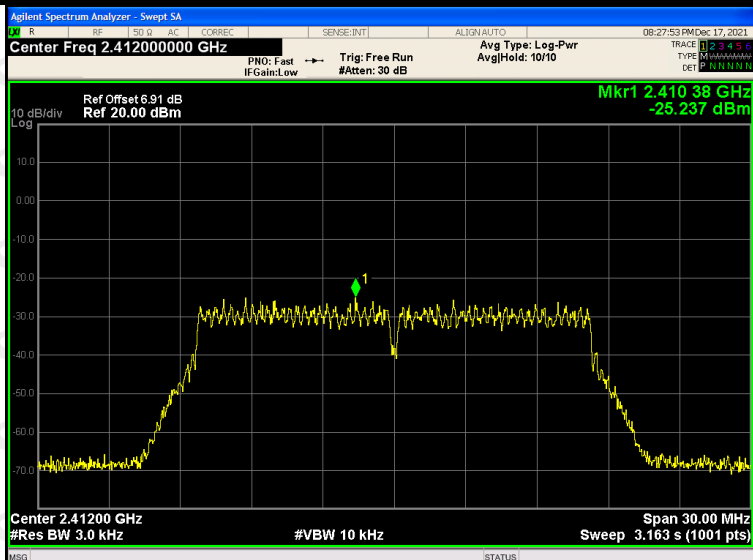
802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.41200000 GHz Ref Offset 6.91 dB Ref 20.00 dBm Mkr1 2.410 77 GHz -24.578 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.437 36 GHz -25.896 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.469 26 GHz -25.336 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.422000000 GHz Ref Offset 6.91 dB Ref 20.00 dBm Mkr1 2.40886 GHz -28.631 dBm Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.437000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.42014 GHz -29.820 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.452000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.46160 GHz -28.185 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)

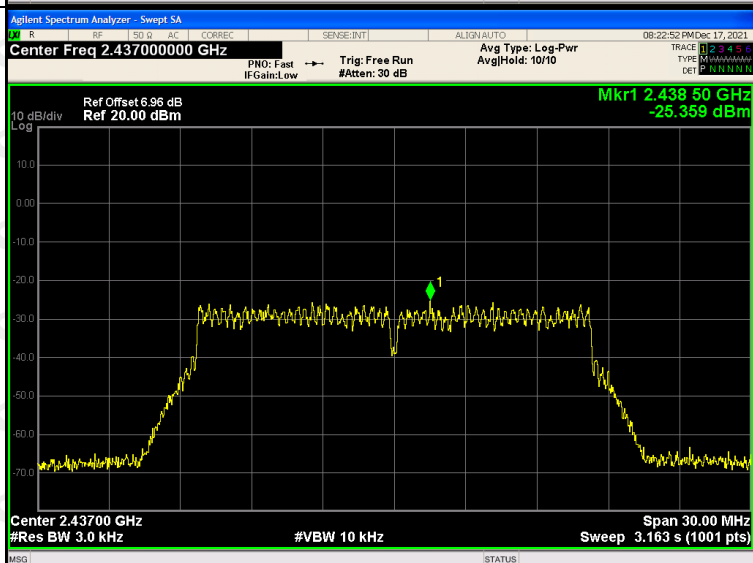
ANT 2: Test Graph



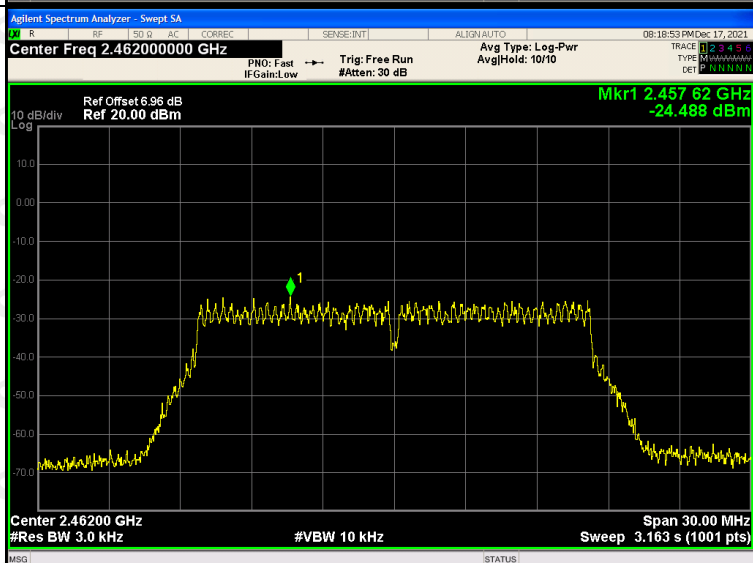
802.11g/LCH

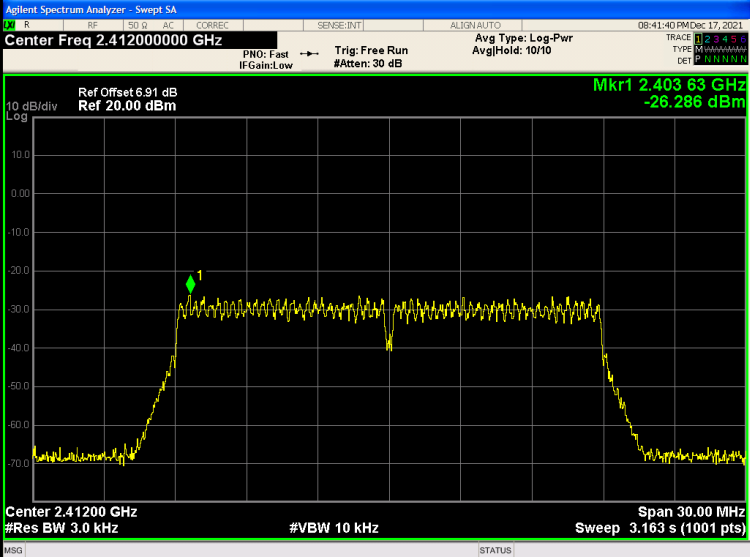
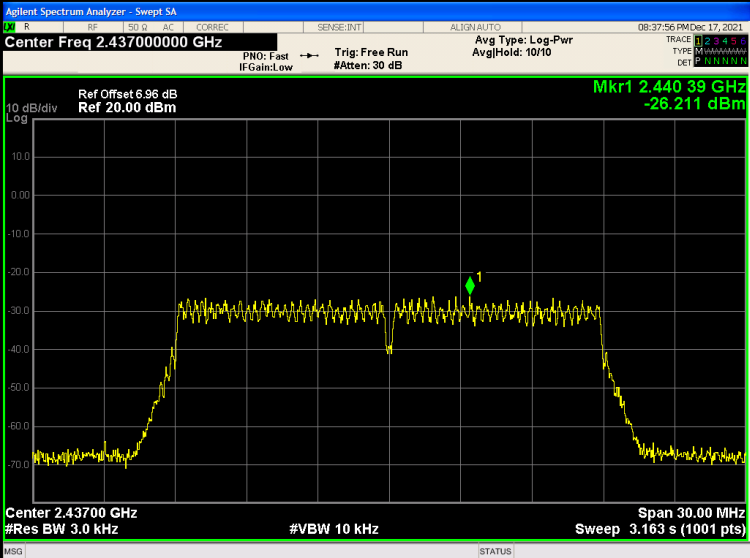
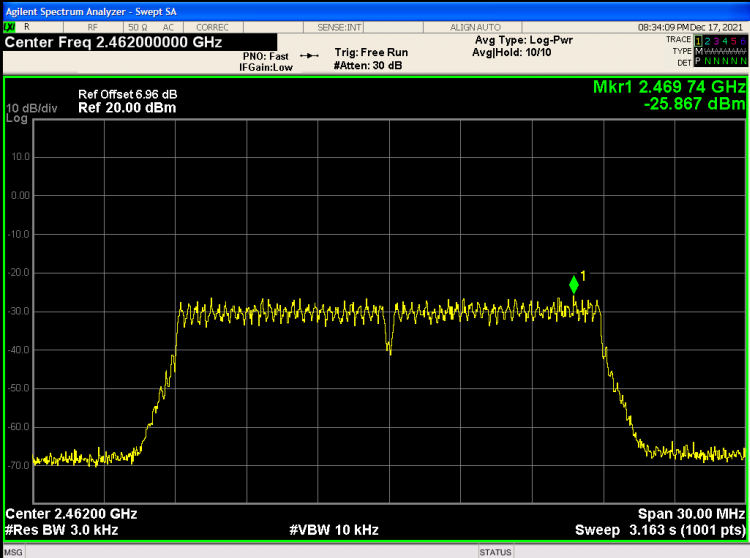


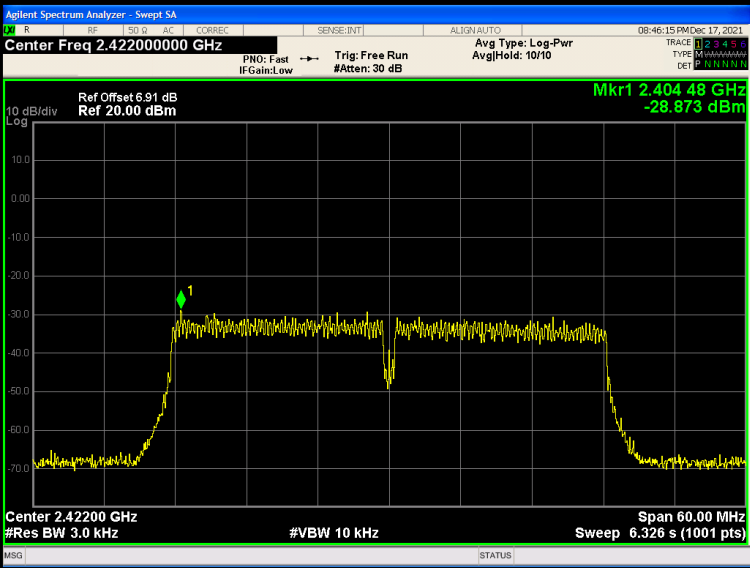
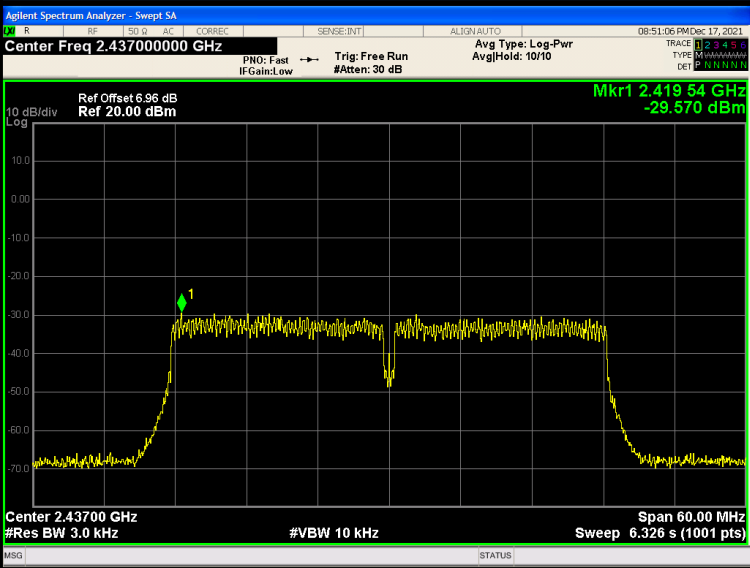
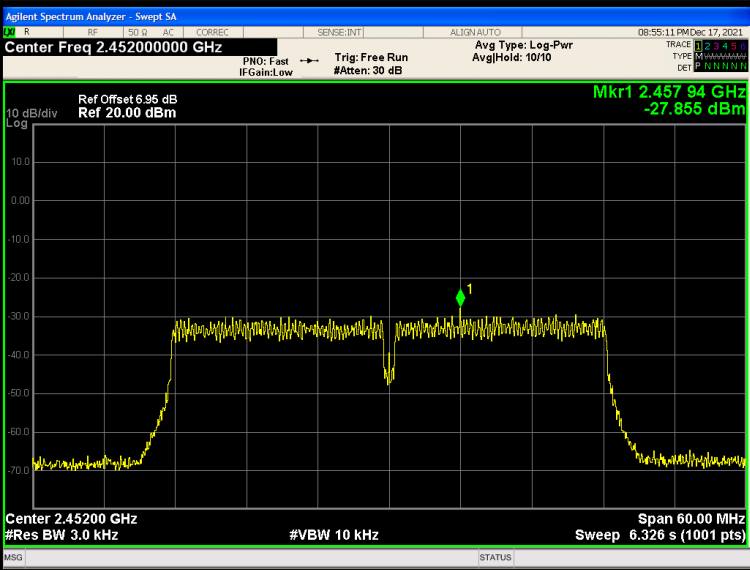
802.11g/MCH



802.11g/HCH



802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.41200000 GHz Ref Offset 6.91 dB Ref 20.00 dBm Mkr1 2.403 63 GHz -26.286 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.440 39 GHz -26.211 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.46200000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.469 74 GHz -25.867 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.422000000 GHz Ref Offset 6.91 dB Ref 20.00 dBm Mkr1 2.404 48 GHz -28.873 dBm Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.437000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.419 54 GHz -29.570 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.452000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.457 94 GHz -27.855 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)

12. ANTENNA REQUIREMENT

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

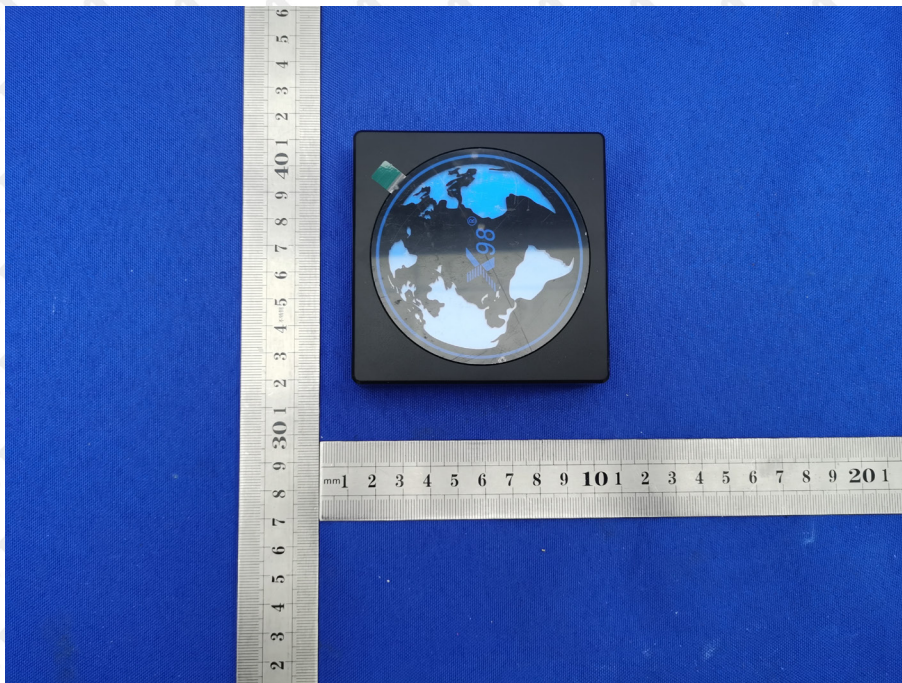
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

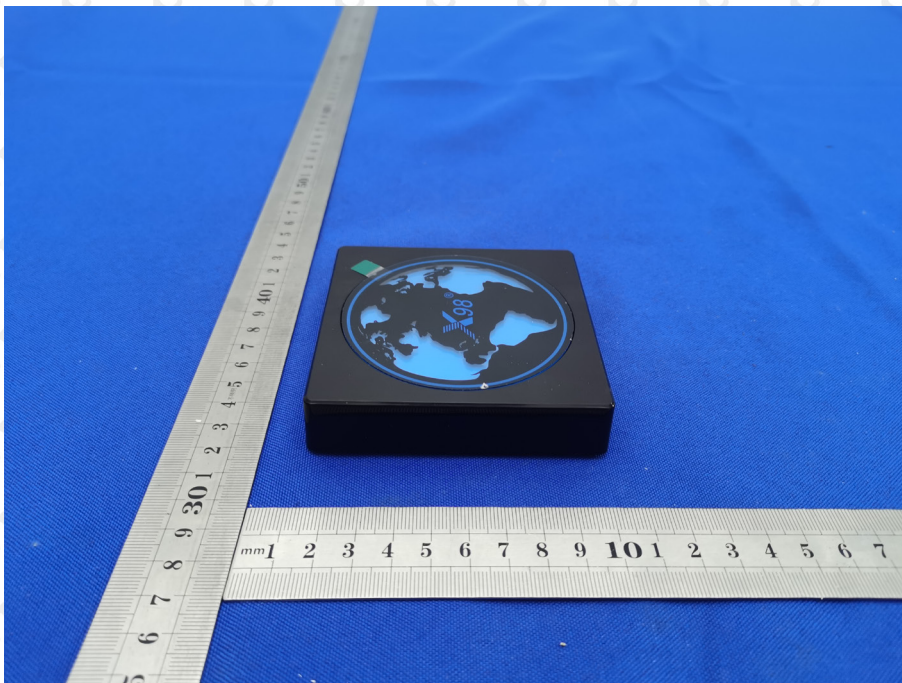
The antenna is PCB Antenna and no consideration of replacement. The best case gain of the antenna is 1.0dBi.

13. EUT PHOTOGRAPHS

External Photos EUT Photo 1



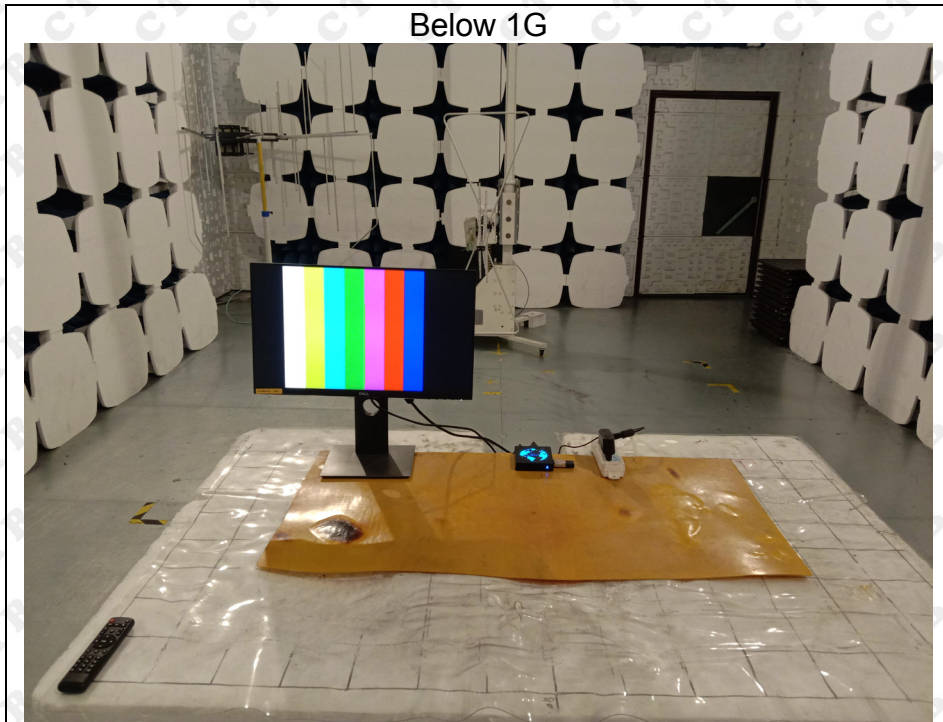
EUT Photo 2



14. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

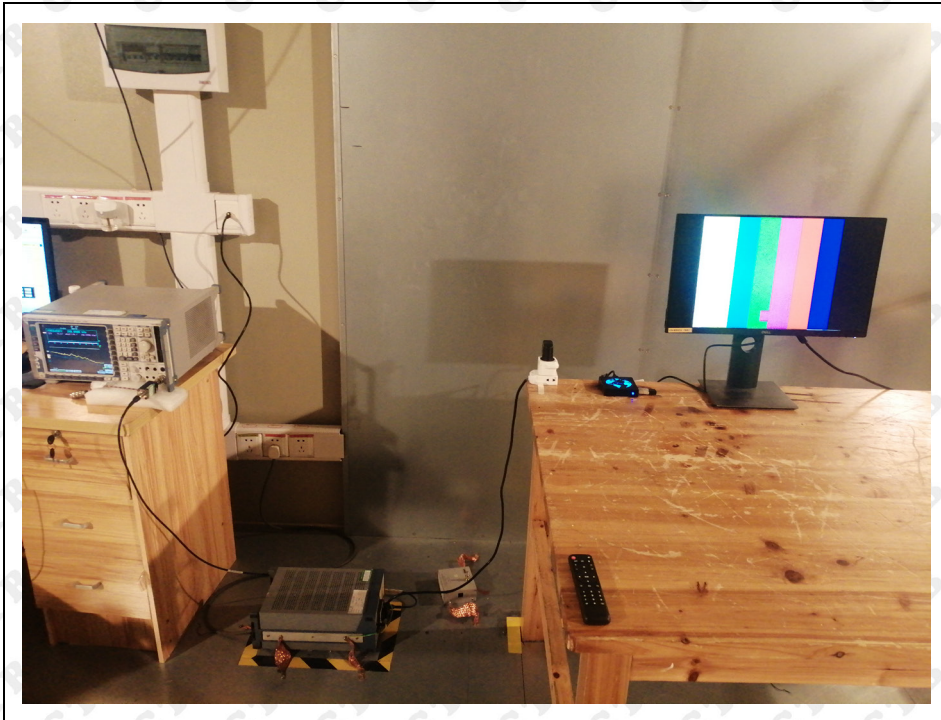
Below 1G



Above 1G



Conducted Emission



***** END OF REPORT *****