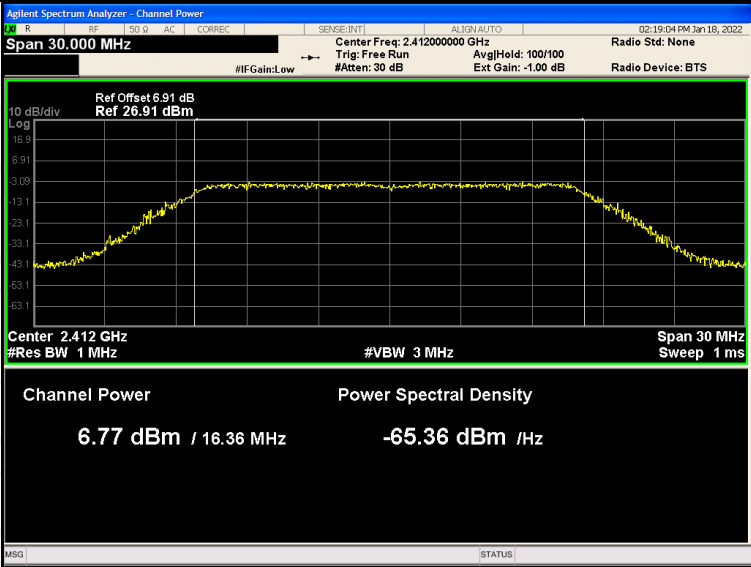
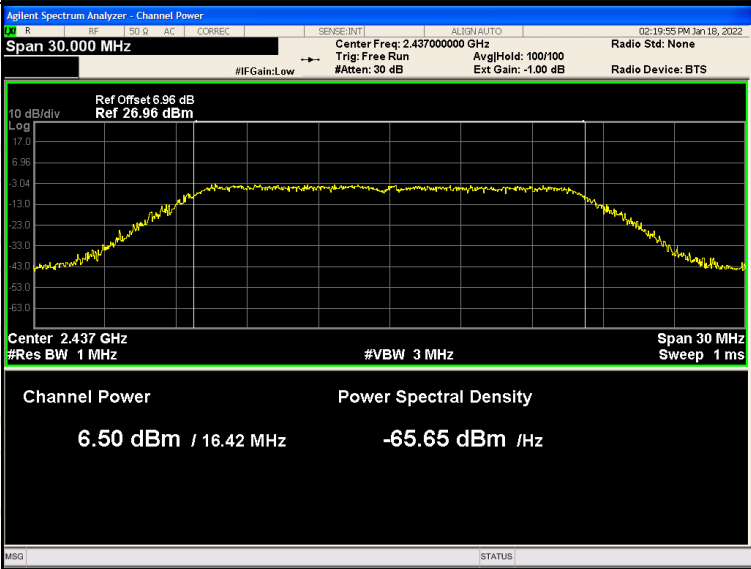
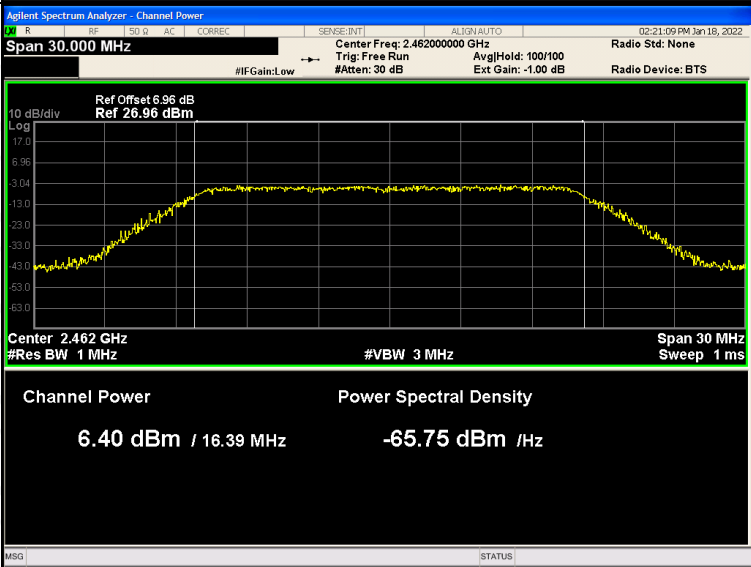
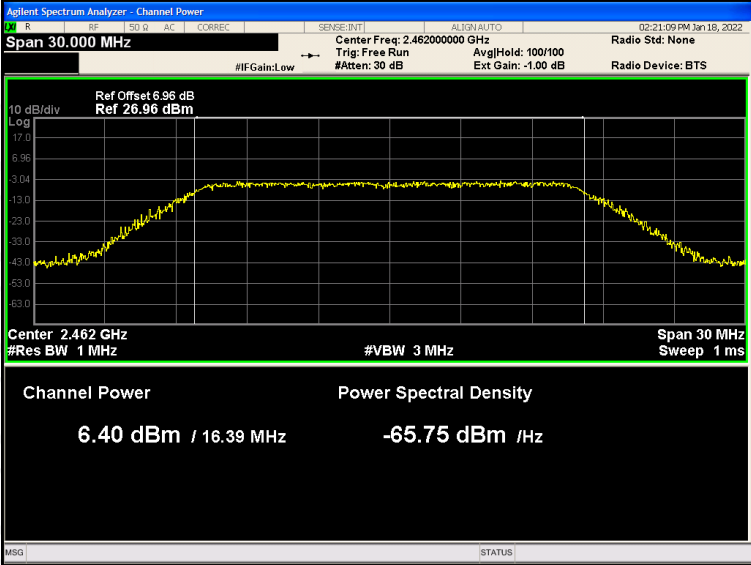
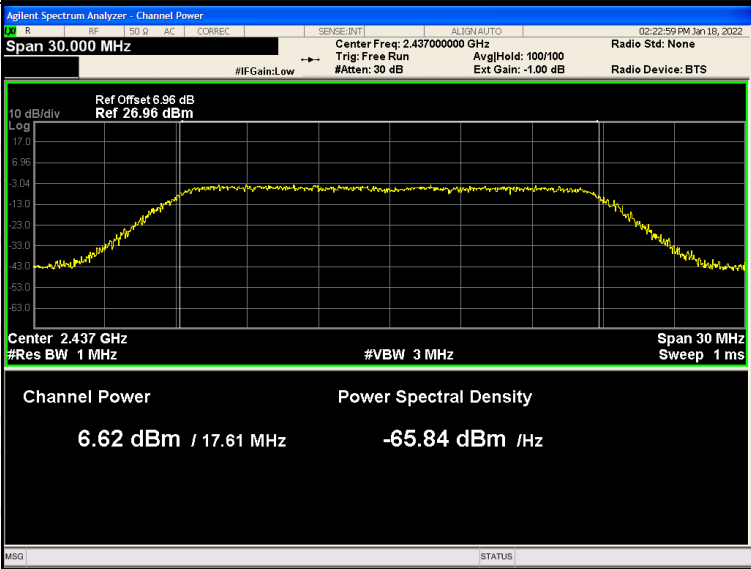
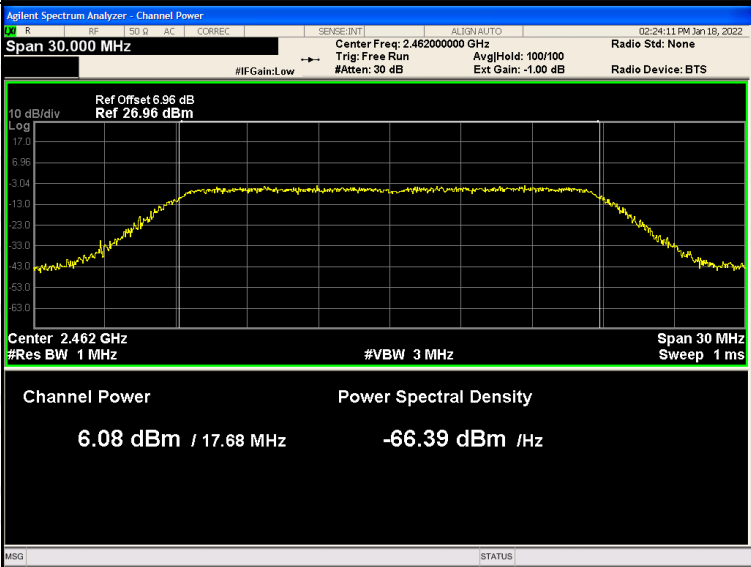
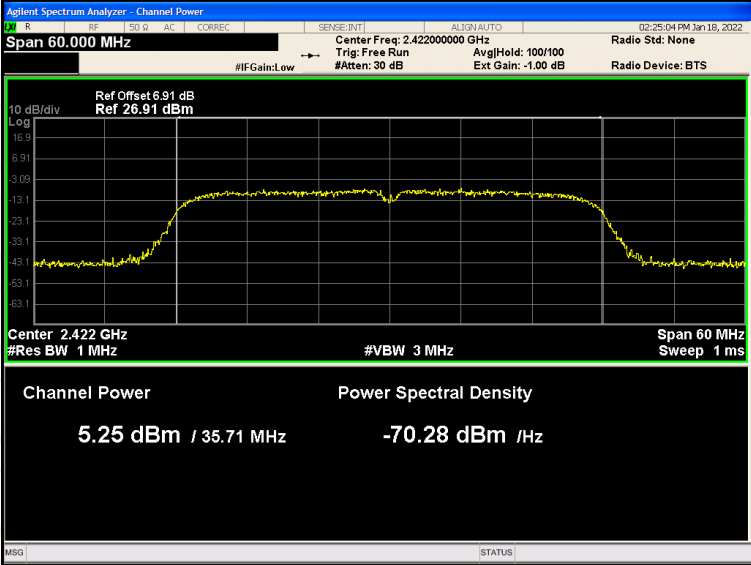
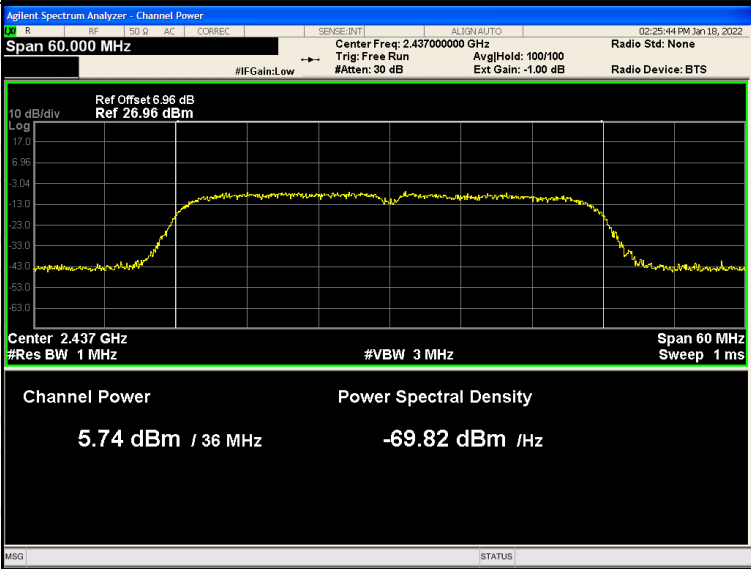
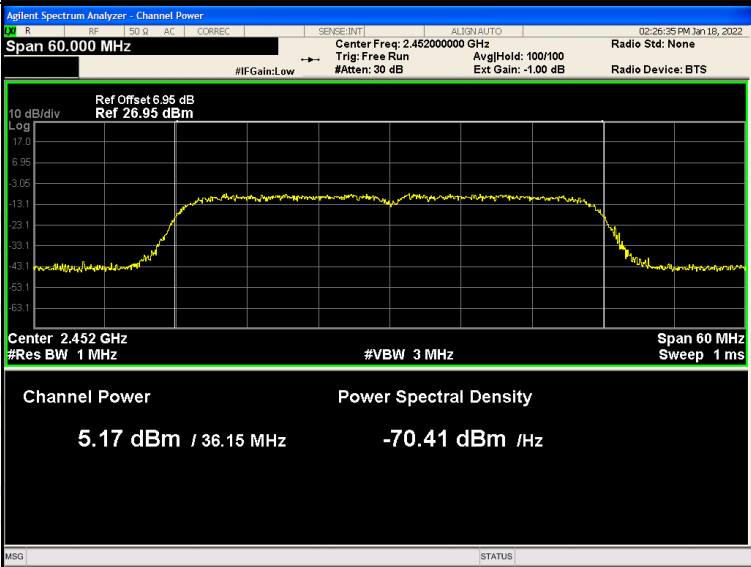
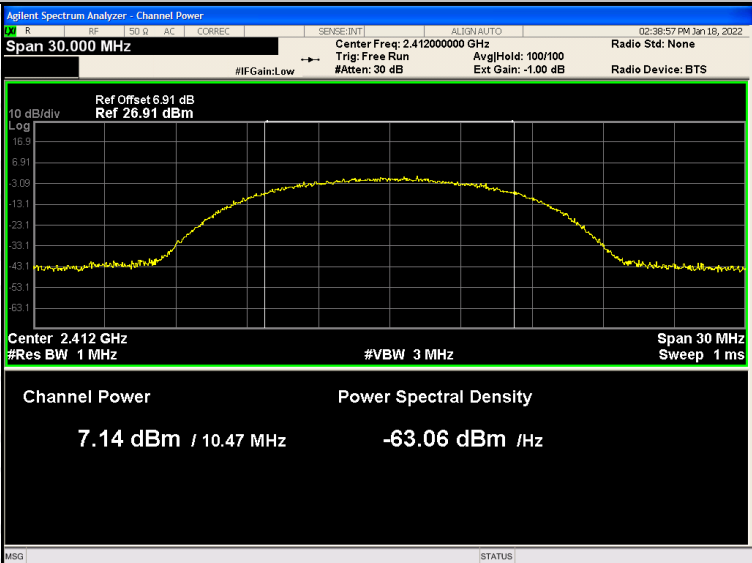
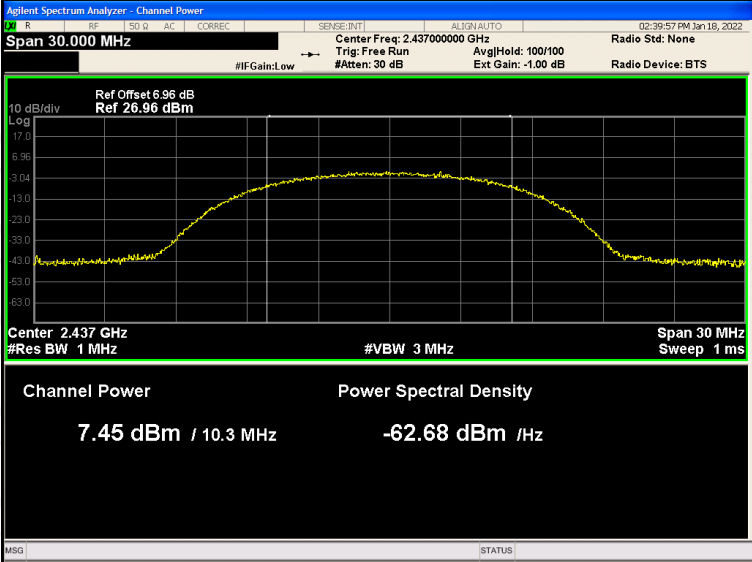
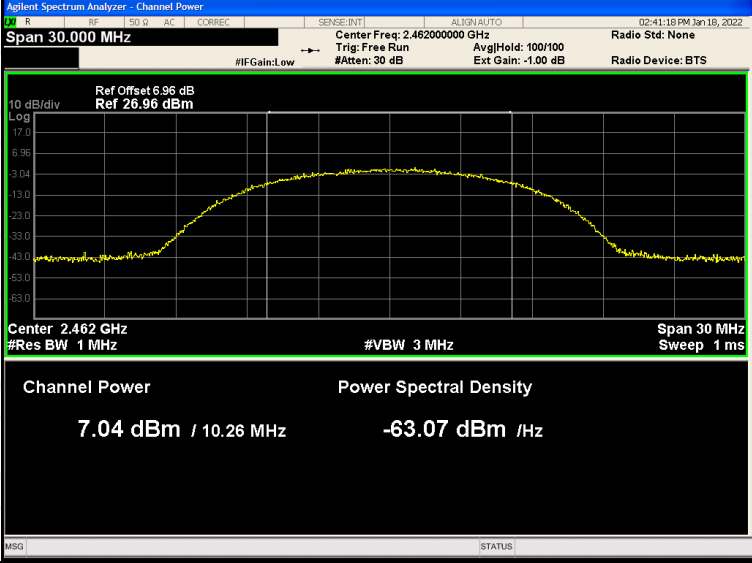


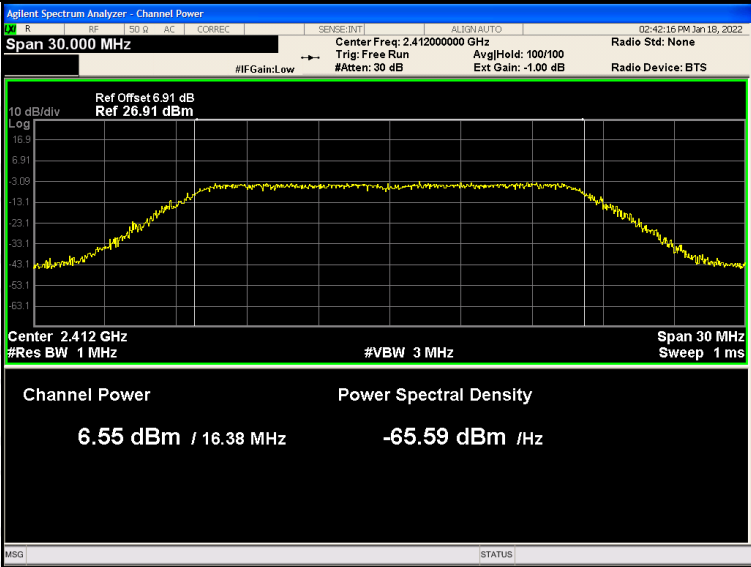
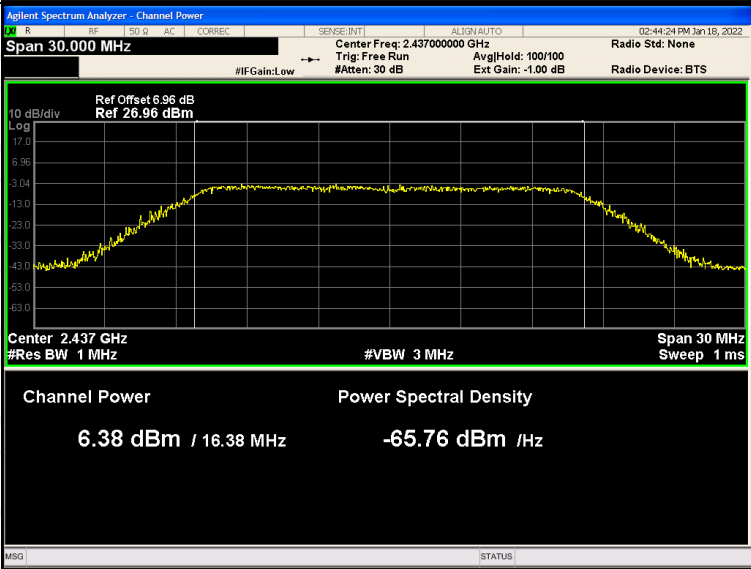
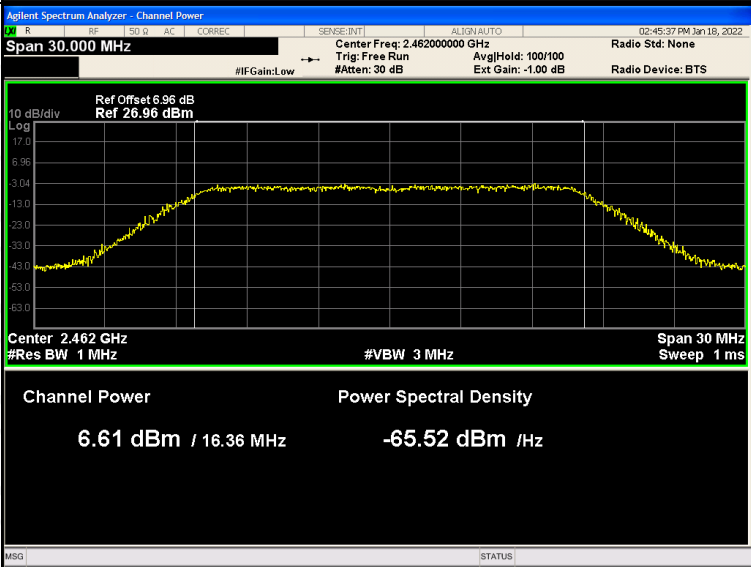
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.77 dBm / 16.36 MHz -65.36 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 6.50 dBm / 16.42 MHz -65.65 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 6.40 dBm / 16.39 MHz -65.75 dBm / Hz

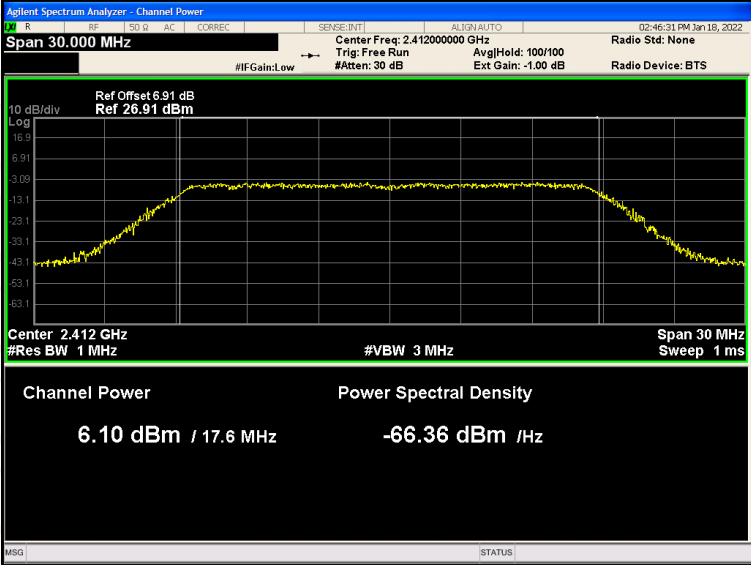
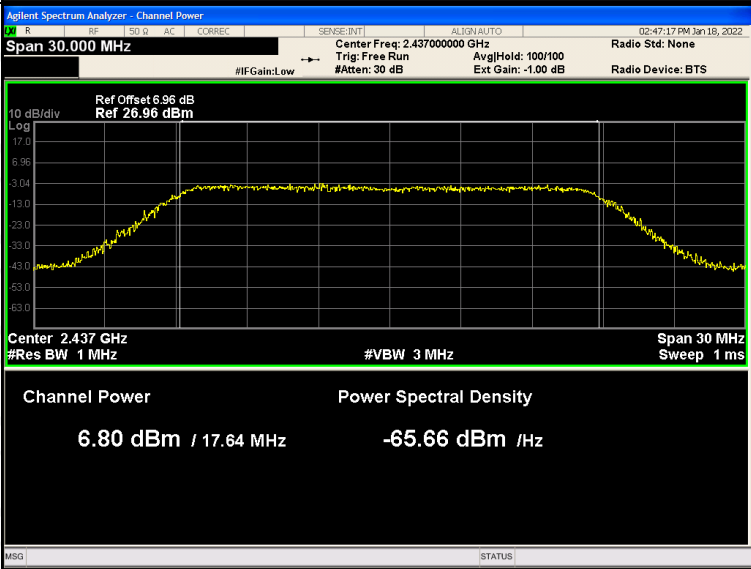
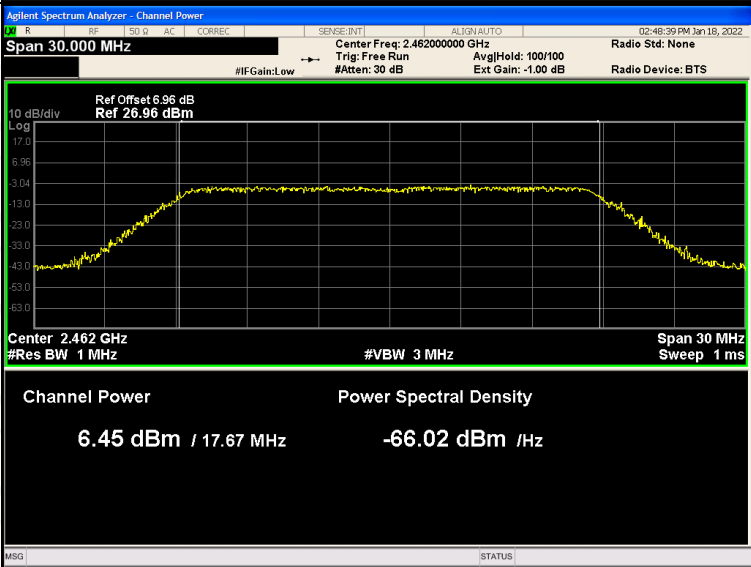
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.40 dBm / 16.39 MHz -65.75 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 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.62 dBm / 17.61 MHz -65.84 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 Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.08 dBm / 17.68 MHz -66.39 dBm / Hz

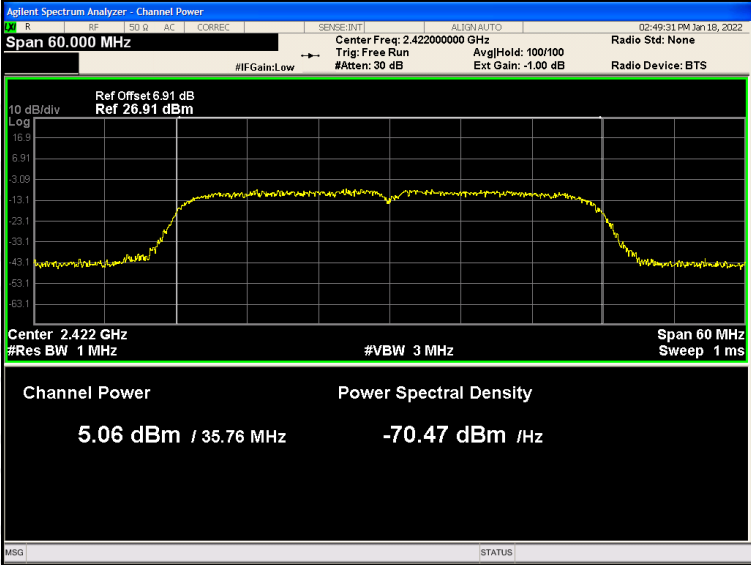
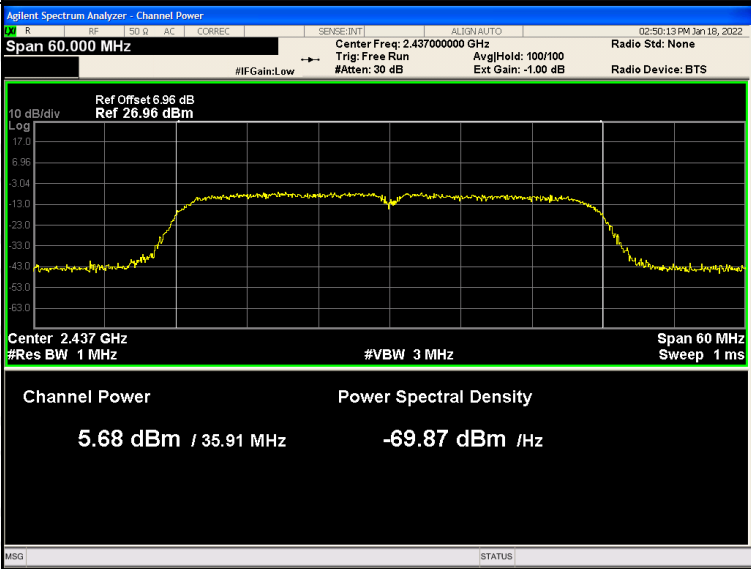
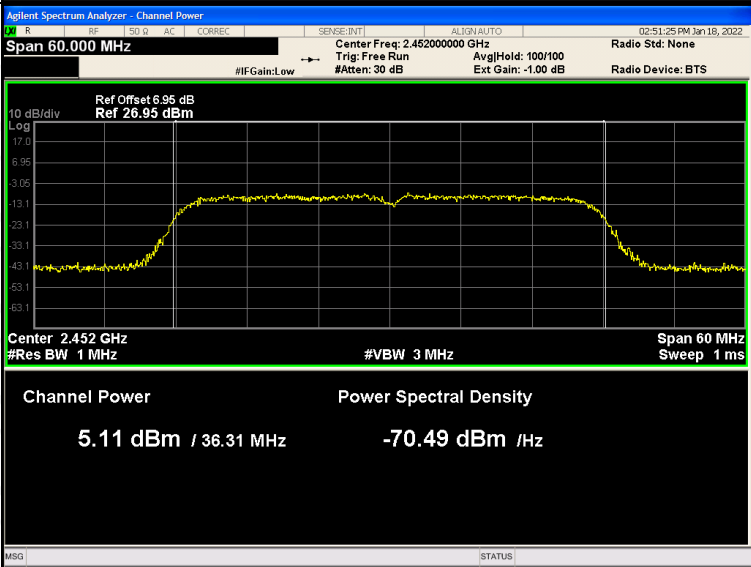
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.422000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.25 dBm / 35.71 MHz -70.28 dBm / Hz
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 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 Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.74 dBm / 36 MHz -69.82 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.452000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.95 dB Ref 26.95 dBm Center 2.452 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.17 dBm / 36.15 MHz -70.41 dBm / Hz

ANT2:

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 #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 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.14 dBm / 10.47 MHz -63.06 dBm / Hz
	MCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 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 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.45 dBm / 10.3 MHz -62.68 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.462000000 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 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 7.04 dBm / 10.26 MHz -63.07 dBm / Hz

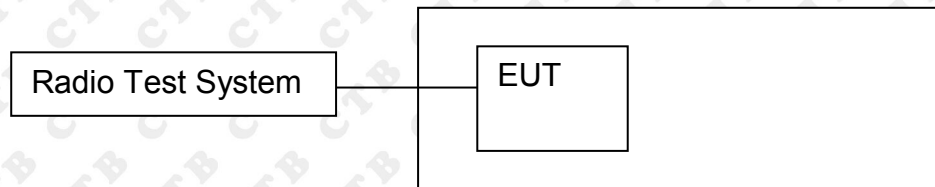
	LCH	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq: 2.412000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.91 dB Ref 26.91 dBm Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.55 dBm / 16.38 MHz -65.59 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 Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.38 dBm / 16.38 MHz -65.76 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 Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.61 dBm / 16.36 MHz -65.52 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 Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.10 dBm / 17.6 MHz -66.36 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 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.96 dB Ref 26.96 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.80 dBm / 17.64 MHz -65.66 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 Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power Power Spectral Density 6.45 dBm / 17.67 MHz -66.02 dBm / Hz

	LCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.422000000 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 Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.06 dBm / 35.76 MHz -70.47 dBm / Hz
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 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 Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.68 dBm / 35.91 MHz -69.87 dBm / Hz
	HCH	 Agilent Spectrum Analyzer - Channel Power Span 60.000 MHz Center Freq: 2.452000000 GHz Trig: Free Run Avg/Hold: 100/100 Ext Gain: -1.00 dB Radio Std: None Radio Device: BTS Ref Offset 6.95 dB Ref 26.95 dBm Center 2.452 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz Sweep 1 ms Channel Power Power Spectral Density 5.11 dBm / 36.31 MHz -70.49 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

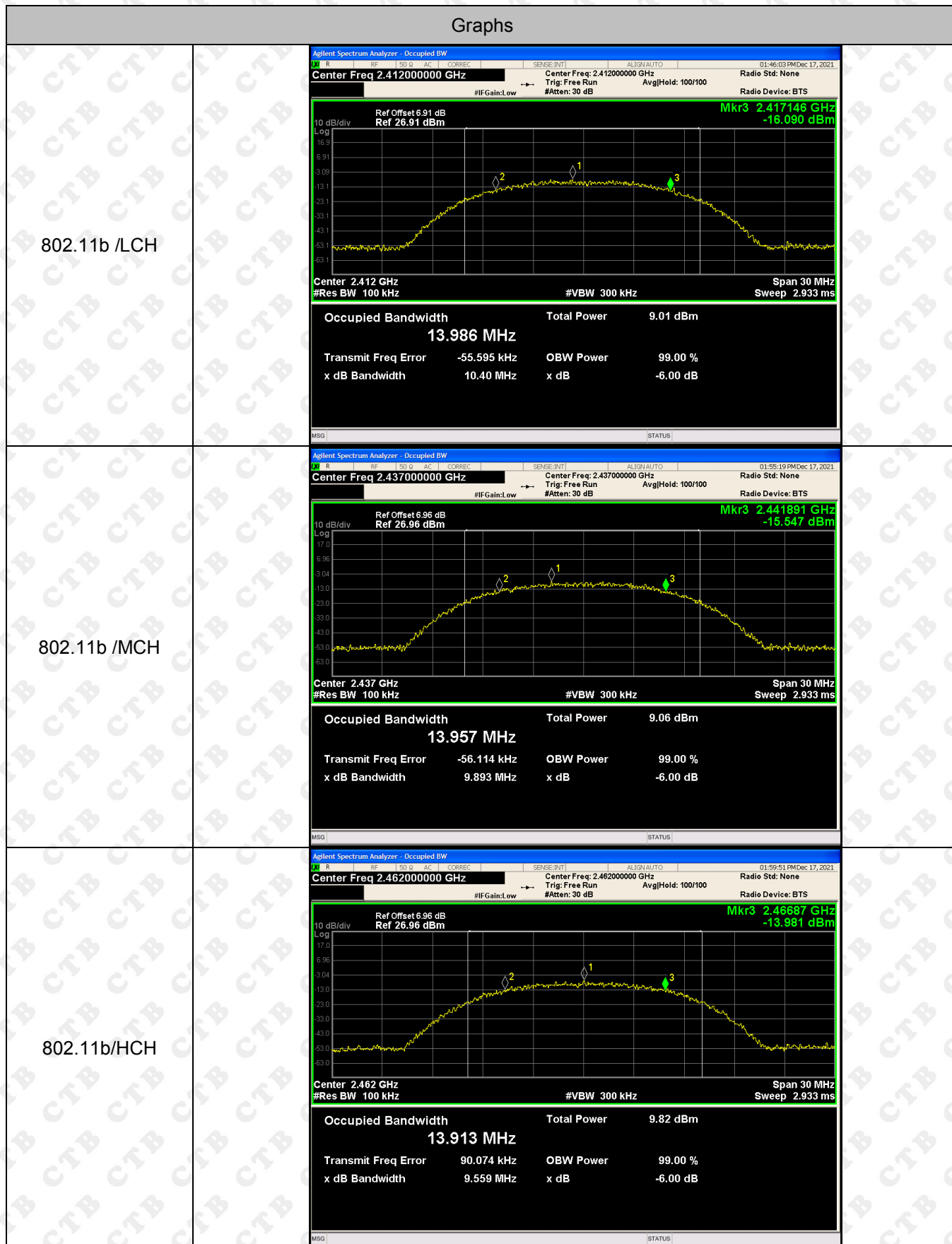
ANT1:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.404	500	PASS
	MCH	9.893	500	PASS
	HCH	9.559	500	PASS
802.11g	LCH	16.363	500	PASS
	MCH	16.425	500	PASS
	HCH	16.389	500	PASS
802.11n(HT20)	LCH	17.625	500	PASS
	MCH	17.61	500	PASS
	HCH	17.68	500	PASS
802.11n(HT40)	LCH	35.714	500	PASS
	MCH	36.002	500	PASS
	HCH	36.149	500	PASS

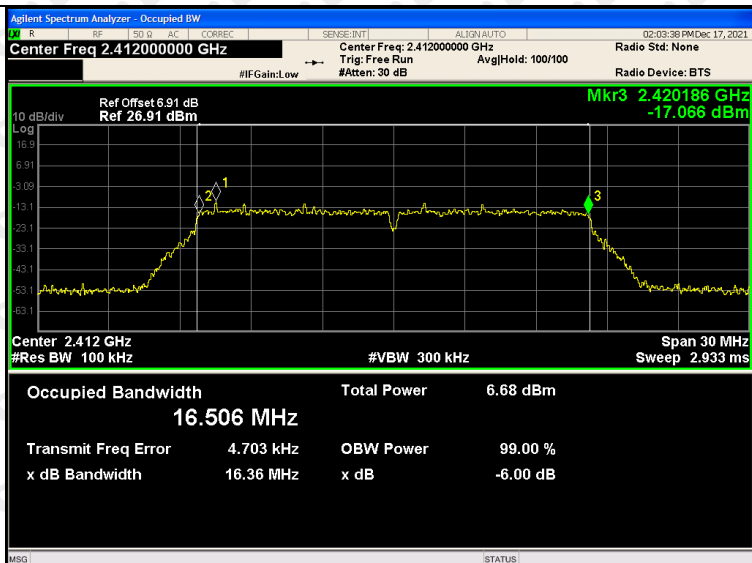
ANT2:

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	10.468	500	PASS
	MCH	10.3	500	PASS
	HCH	10.262	500	PASS
802.11g	LCH	16.381	500	PASS
	MCH	16.379	500	PASS
	HCH	16.363	500	PASS
802.11n(HT20)	LCH	17.602	500	PASS
	MCH	17.641	500	PASS
	HCH	17.594	500	PASS
802.11n(HT40)	LCH	35.756	500	PASS
	MCH	35.911	500	PASS
	HCH	36.305	500	PASS

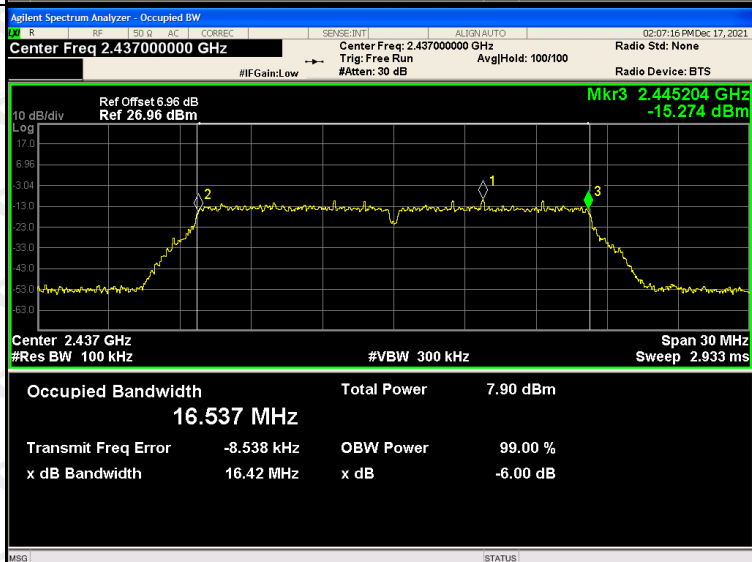
ANT1:
Test Graph:



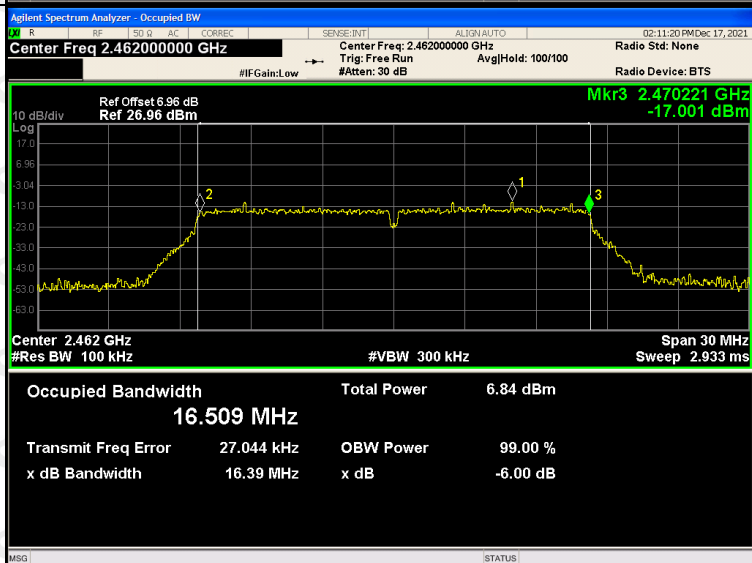
802.11g/LCH

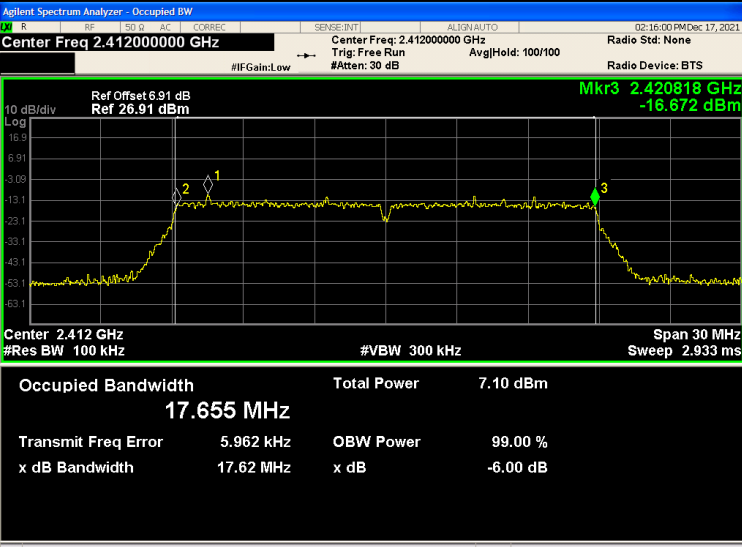
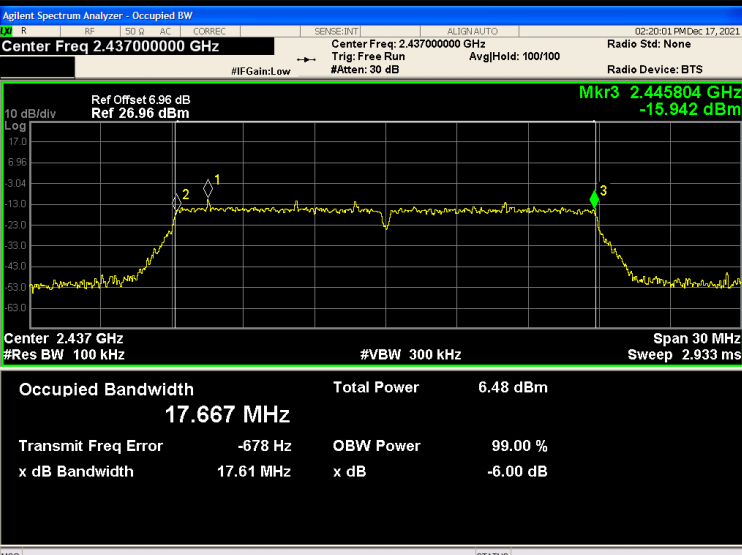
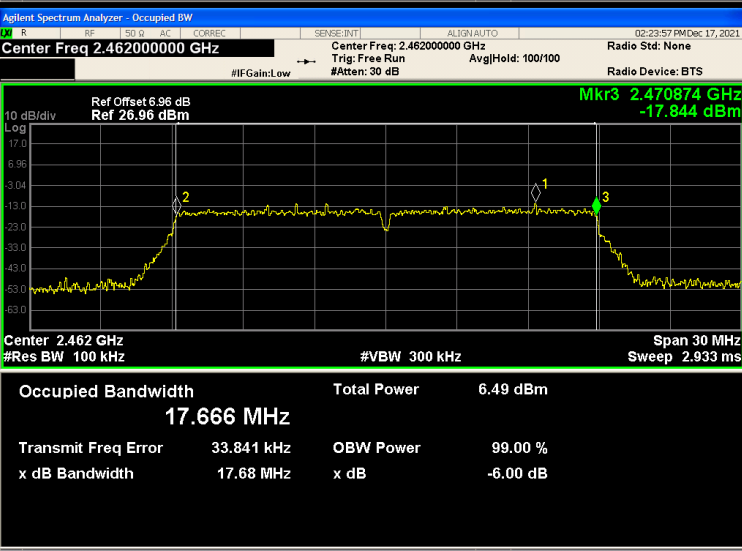


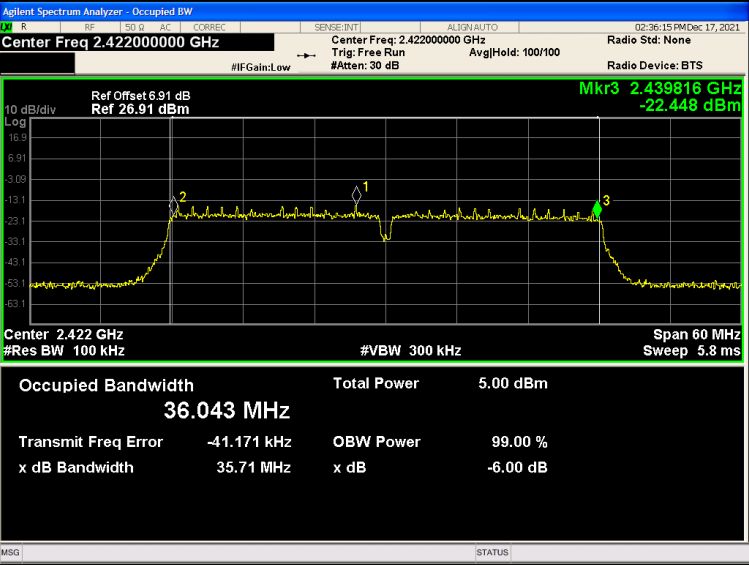
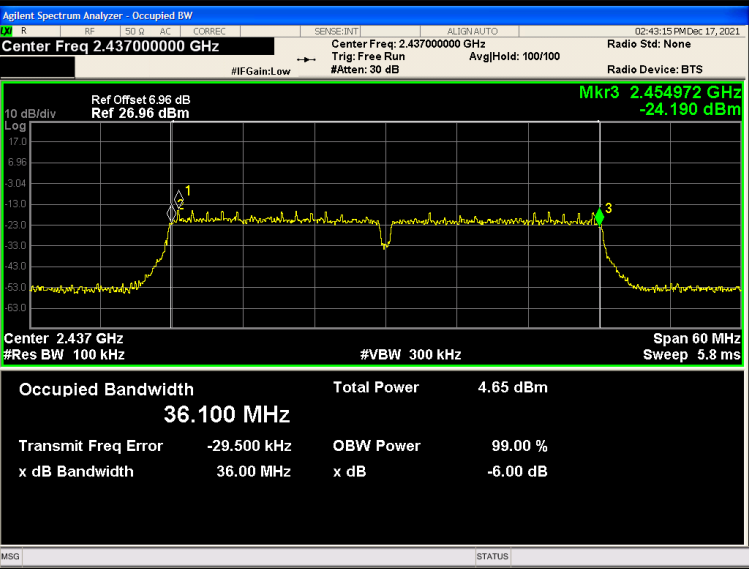
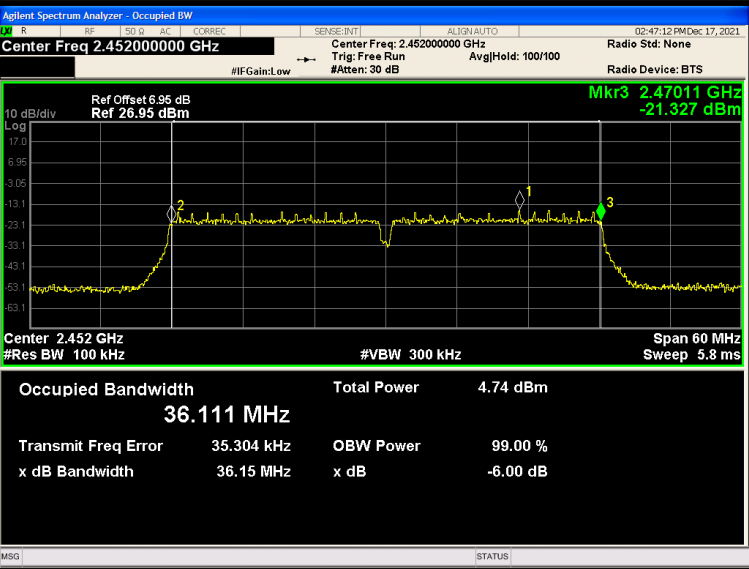
802.11g/MCH



802.11g/HCH



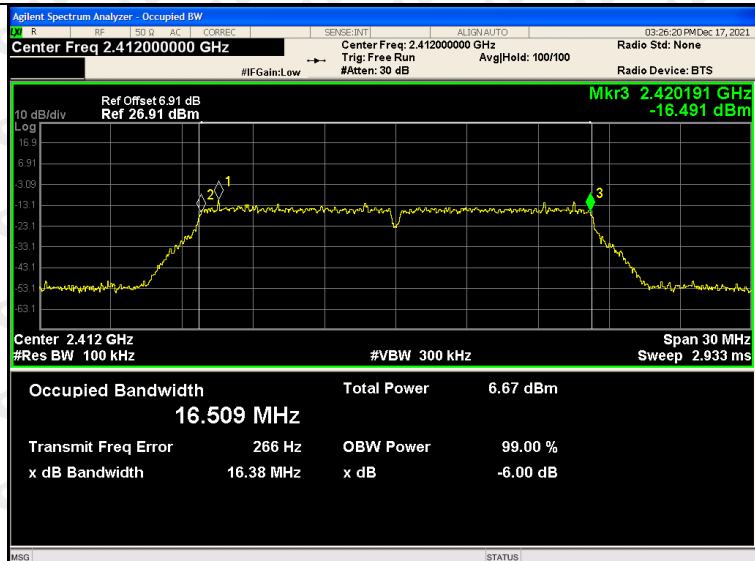
802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.41200000 GHz Ref Offset: 6.91 dB Ref: 26.91 dBm Mkr3: 2.420818 GHz -16.672 dBm Center: 2.412 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.655 MHz Total Power: 7.10 dBm Transmit Freq Error: 5.962 kHz OBW Power: 99.00 % x dB Bandwidth: 17.62 MHz x dB: -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Ref Offset: 6.96 dB Ref: 26.96 dBm Mkr3: 2.445804 GHz -15.942 dBm Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.667 MHz Total Power: 6.48 dBm Transmit Freq Error: -678 Hz OBW Power: 99.00 % x dB Bandwidth: 17.61 MHz x dB: -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.46200000 GHz Ref Offset: 6.96 dB Ref: 26.96 dBm Mkr3: 2.470874 GHz -17.844 dBm Center: 2.462 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms Occupied Bandwidth: 17.666 MHz Total Power: 6.49 dBm Transmit Freq Error: 33.841 kHz OBW Power: 99.00 % x dB Bandwidth: 17.68 MHz x dB: -6.00 dB

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.422000000 GHz Ref Offset: 6.91 dB Ref: 26.91 dBm Mkr3: 2.439816 GHz -22.448 dBm Center: 2.422 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.043 MHz Total Power: 5.00 dBm Transmit Freq Error: -41.171 kHz OBW Power: 99.00 % x dB Bandwidth: 35.71 MHz x dB: -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.437000000 GHz Ref Offset: 6.96 dB Ref: 26.96 dBm Mkr3: 2.454972 GHz -24.190 dBm Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.100 MHz Total Power: 4.65 dBm Transmit Freq Error: -29.500 kHz OBW Power: 99.00 % x dB Bandwidth: 36.00 MHz x dB: -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.452000000 GHz Ref Offset: 6.95 dB Ref: 26.95 dBm Mkr3: 2.47011 GHz -21.327 dBm Center: 2.452 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.111 MHz Total Power: 4.74 dBm Transmit Freq Error: 35.304 kHz OBW Power: 99.00 % x dB Bandwidth: 36.15 MHz x dB: -6.00 dB

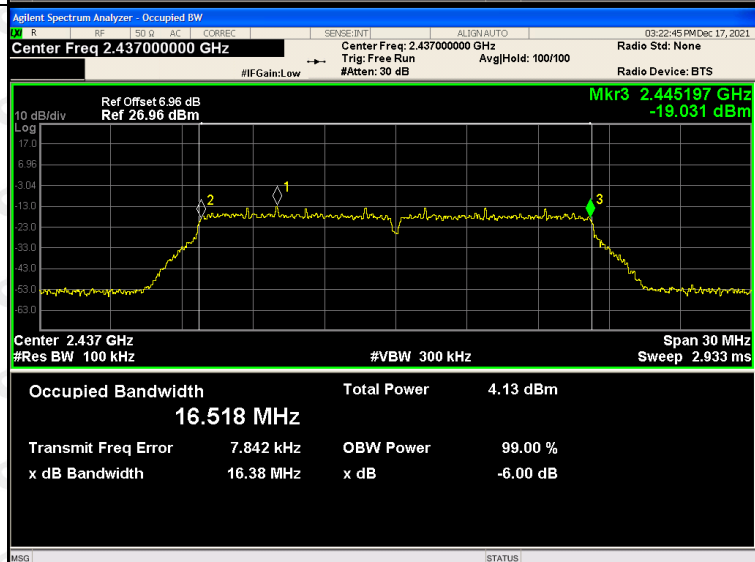
ANT2: Test Graph:



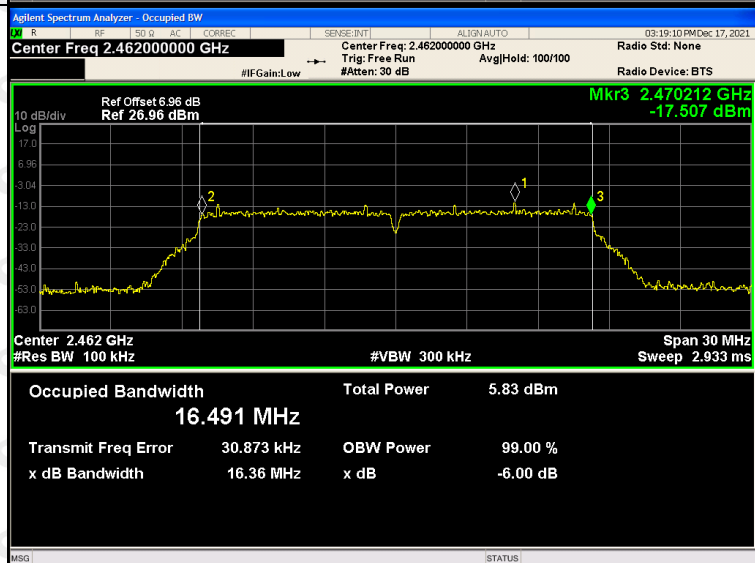
802.11g/LCH

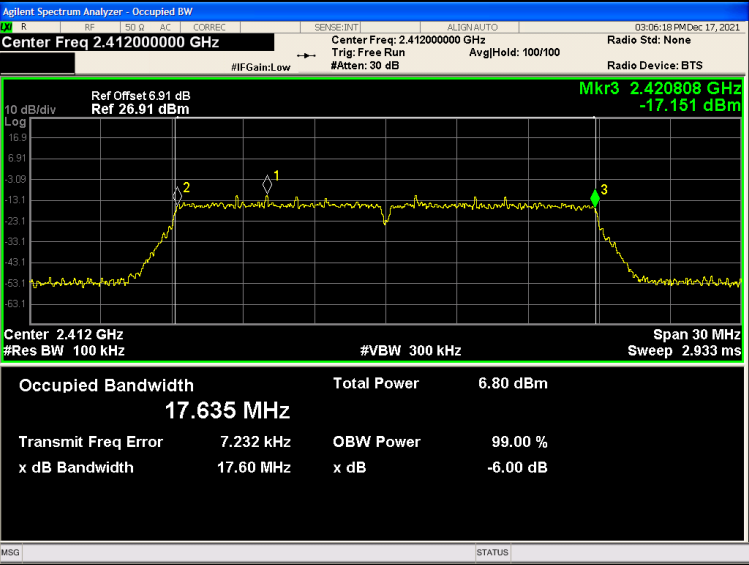
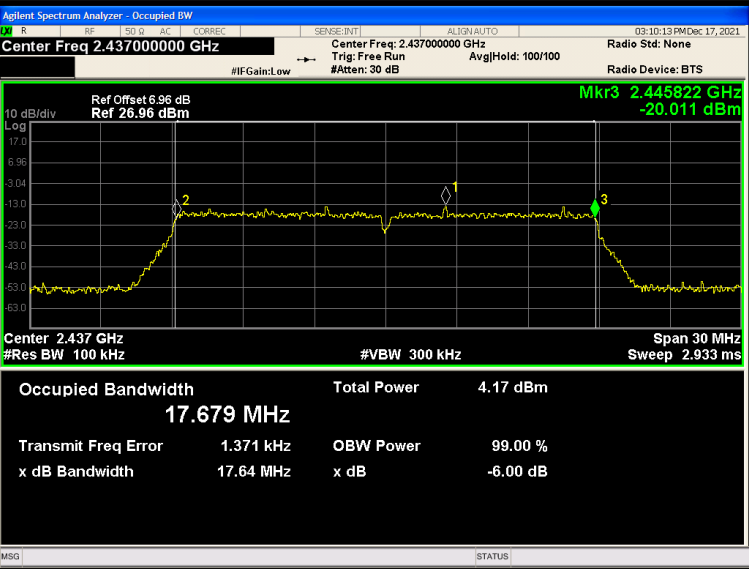
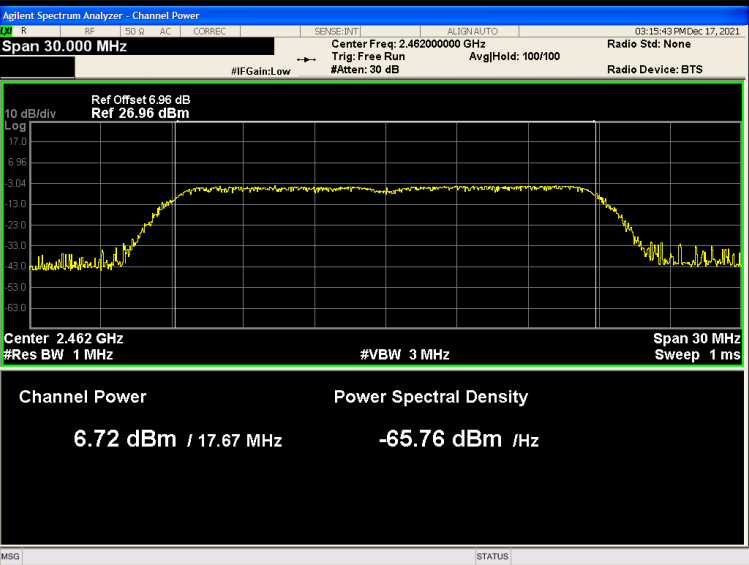


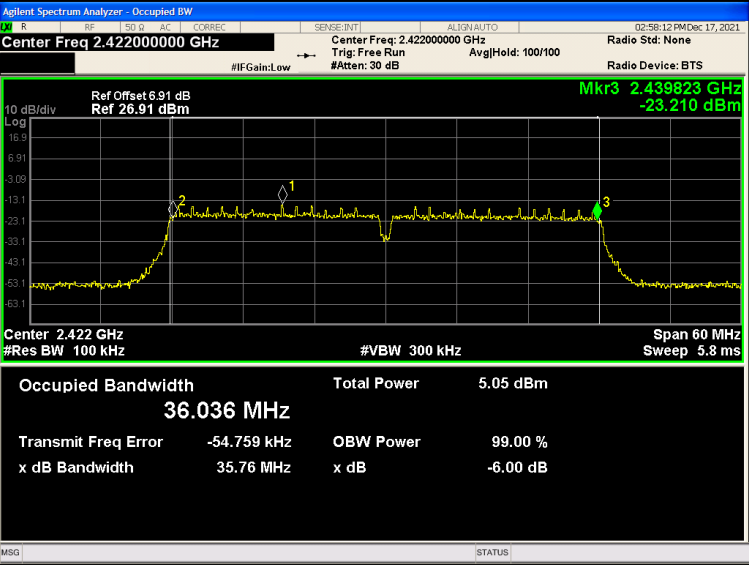
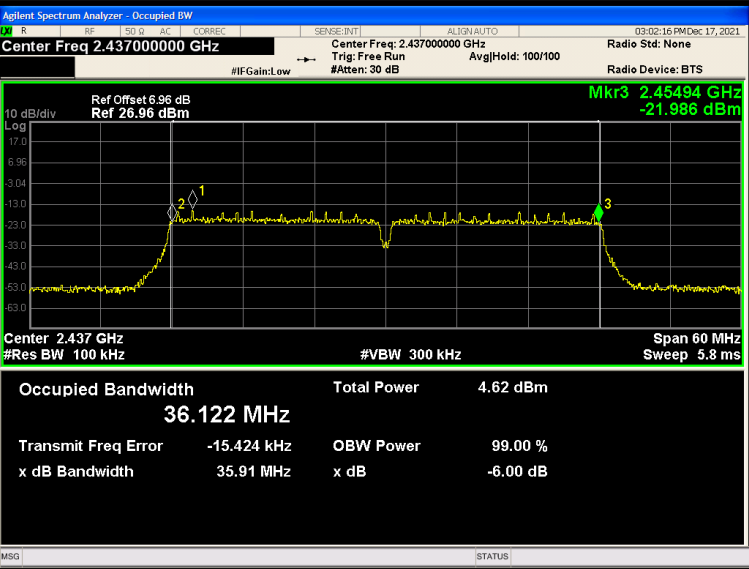
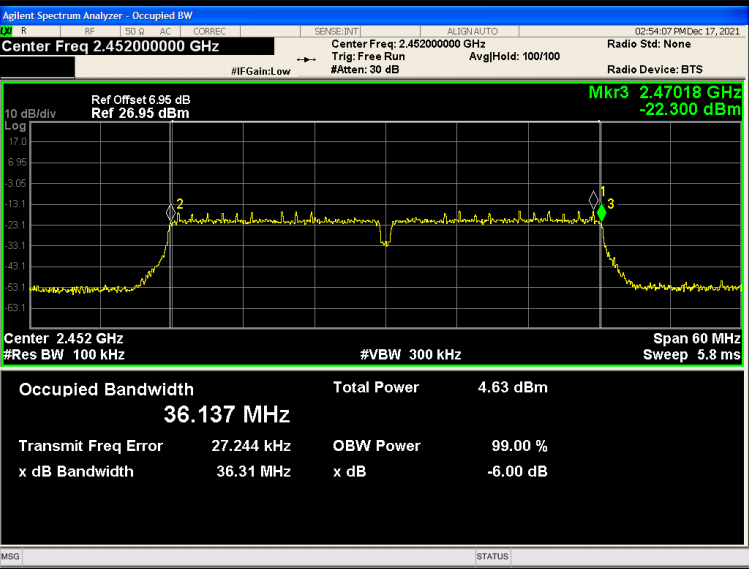
802.11g/MCH



802.11g/HCH

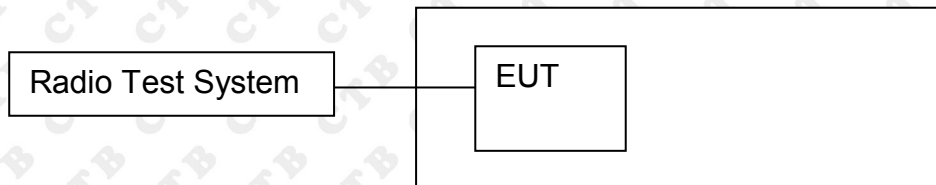


802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.41200000 GHz Ref Offset 6.91 dB Ref 26.91 dBm Mkr3 2.420808 GHz -17.151 dBm Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.635 MHz Total Power 6.80 dBm Transmit Freq Error 7.232 kHz OBW Power 99.00 % x dB Bandwidth 17.60 MHz x dB -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 6.96 dB Ref 26.96 dBm Mkr3 2.445822 GHz -20.011 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms Occupied Bandwidth 17.679 MHz Total Power 4.17 dBm Transmit Freq Error 1.371 kHz OBW Power 99.00 % x dB Bandwidth 17.64 MHz x dB -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Channel Power Span 30.000 MHz Center Freq 2.462000000 GHz Ref Offset 6.96 dB Ref 26.96 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz Sweep 1 ms Channel Power 6.72 dBm / 17.67 MHz Power Spectral Density -65.76 dBm / Hz

802.11n(HT40)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.422000000 GHz Ref Offset: 6.91 dB Ref: 26.91 dBm Mkr3: 2.439823 GHz -23.210 dBm Center: 2.422 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.036 MHz Total Power: 5.05 dBm Transmit Freq Error: -54.759 kHz OBW Power: 99.00 % x dB Bandwidth: 35.76 MHz x dB: -6.00 dB
802.11n(HT40)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.437000000 GHz Ref Offset: 6.96 dB Ref: 26.96 dBm Mkr3: 2.45494 GHz -21.986 dBm Center: 2.437 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.122 MHz Total Power: 4.62 dBm Transmit Freq Error: -15.424 kHz OBW Power: 99.00 % x dB Bandwidth: 35.91 MHz x dB: -6.00 dB
802.11n(HT40)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.452000000 GHz Ref Offset: 6.95 dB Ref: 26.95 dBm Mkr3: 2.47018 GHz -22.300 dBm Center: 2.452 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 60 MHz Sweep: 5.8 ms Occupied Bandwidth: 36.137 MHz Total Power: 4.63 dBm Transmit Freq Error: 27.244 kHz OBW Power: 99.00 % x dB Bandwidth: 36.31 MHz x dB: -6.00 dB

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

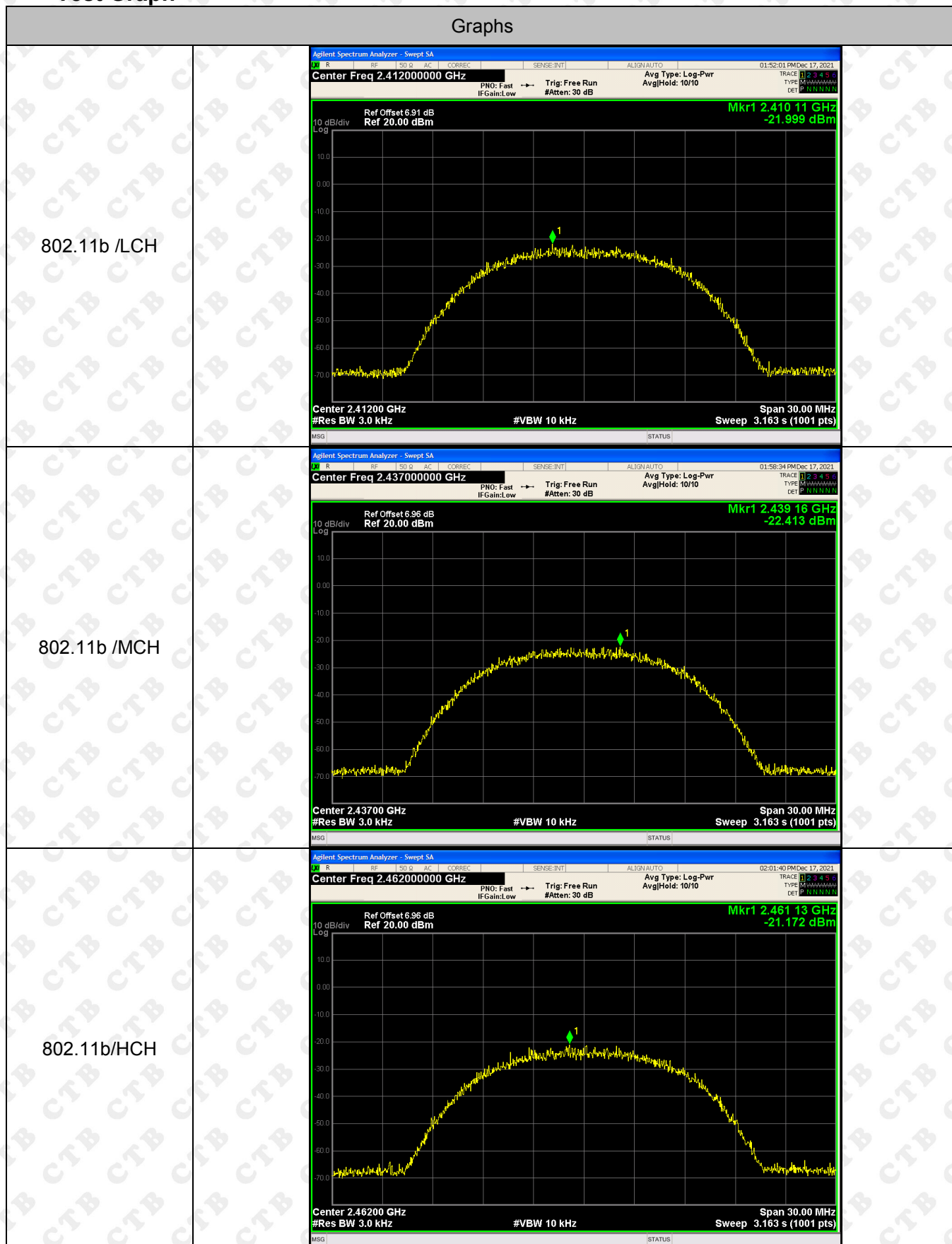
11.3 Test procedure

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.

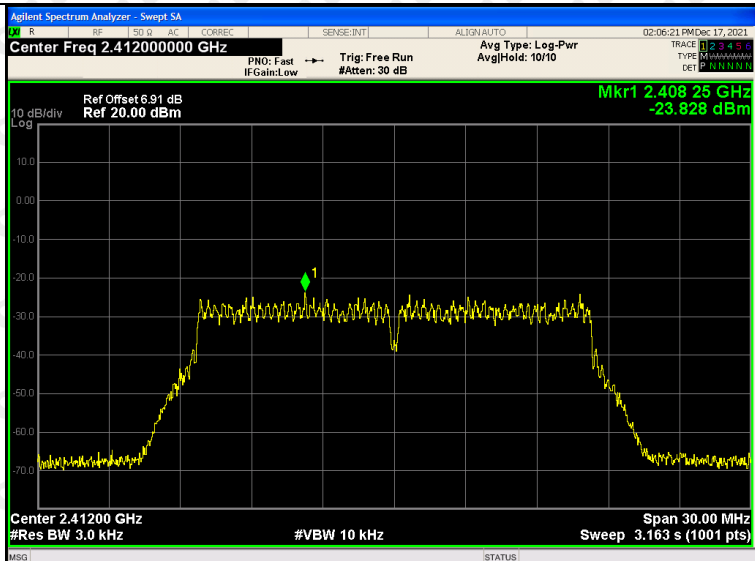
11.4 Test Result

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	-21.999	-21.661	/	8
	MCH	-22.413	-22.453	/	8
	HCH	-21.172	-21.807	/	8
802.11g	LCH	-23.828	-23.983	/	8
	MCH	-22.172	-25.906	/	8
	HCH	-23.574	-25.453	/	8
802.11n(H T20)	LCH	-24.619	-26.056	-20.805	8
	MCH	-24.124	-26.746	-21.975	8
	HCH	-26.484	-24.941	-21.061	8
802.11n(H T40)	LCH	-30.003	-29.583	-25.048	8
	MCH	-30.408	-29.421	-26.104	8
	HCH	-29.229	-29.296	-25.644	8

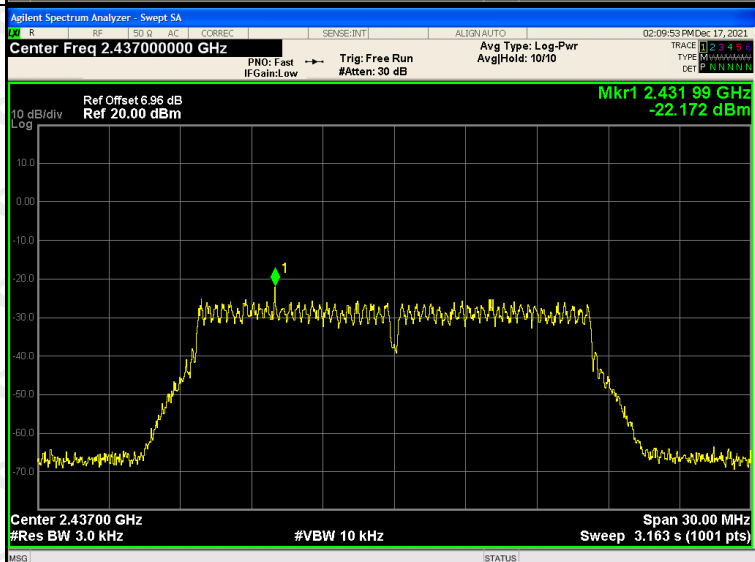
ANT1: Test Graph



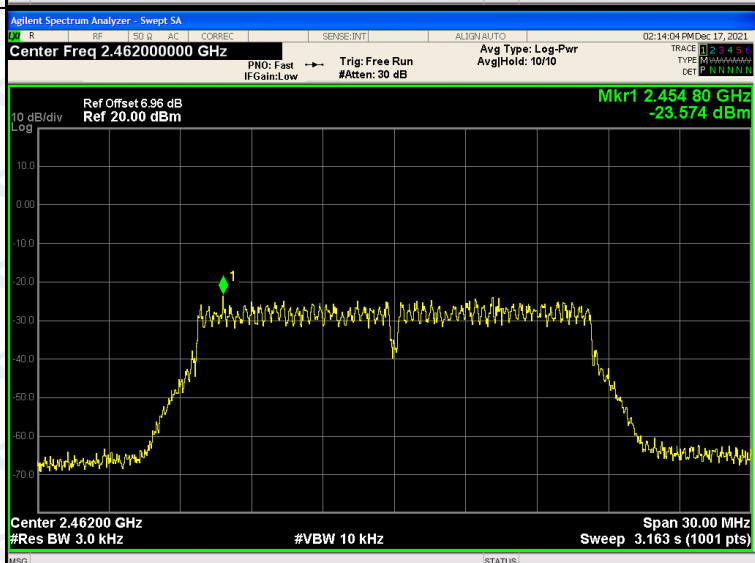
802.11g/LCH

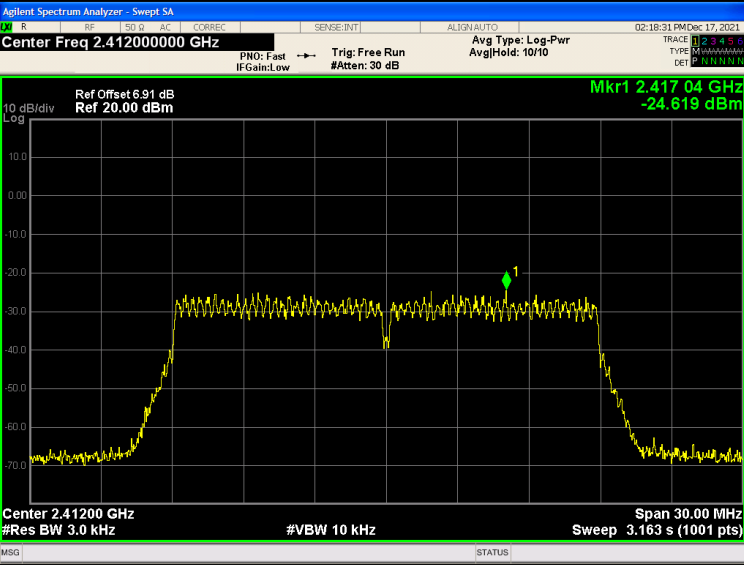
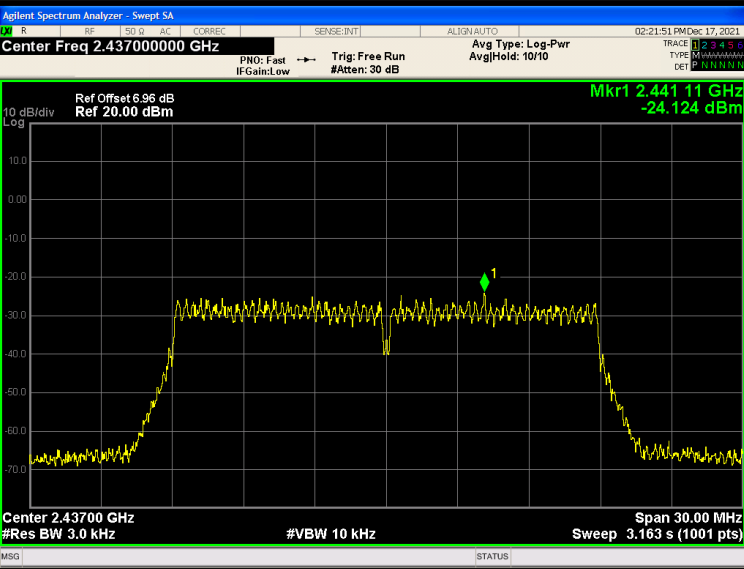
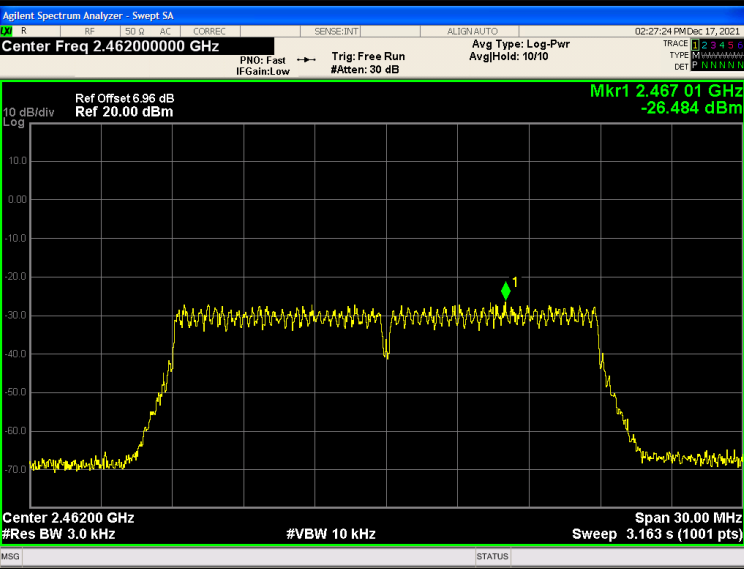


802.11g/MCH



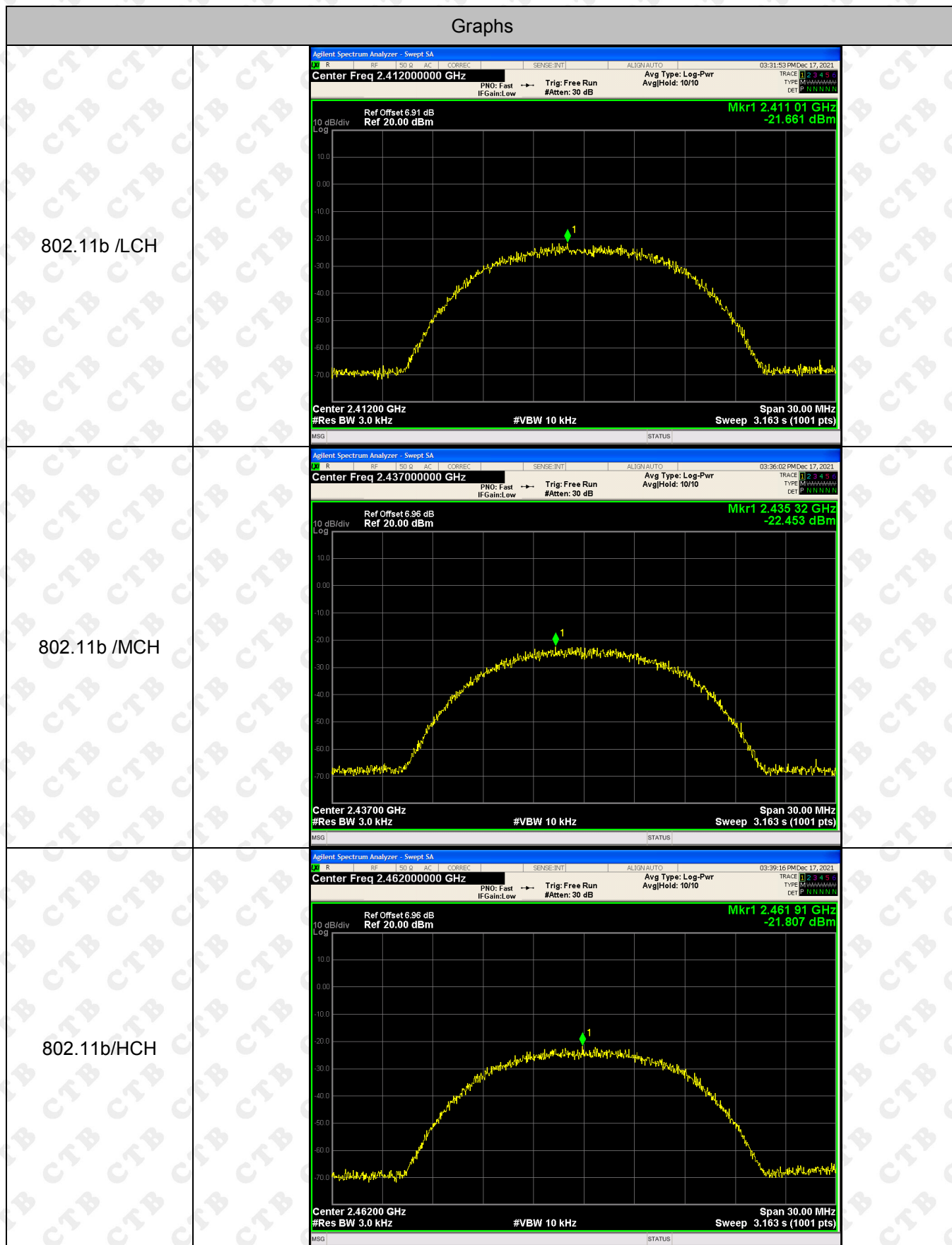
802.11g/HCH



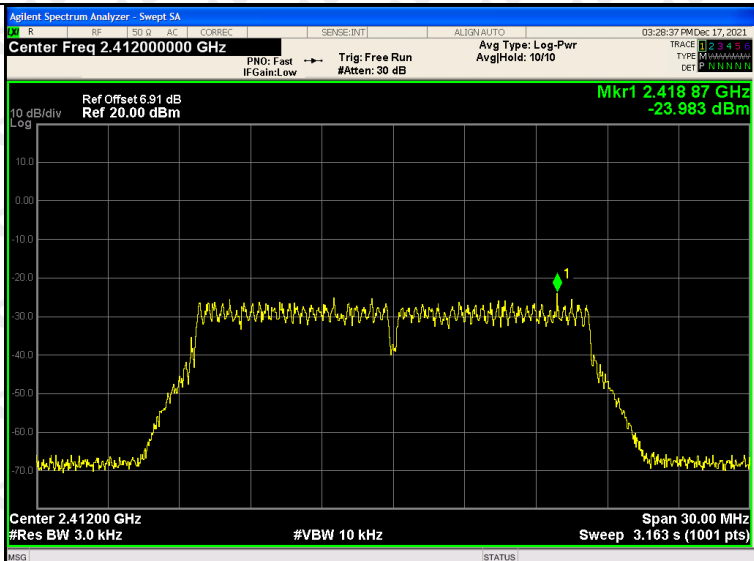
802.11n(HT20)/LC H		
802.11n(HT20)/MC H		
802.11n(HT20)/HC H		

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 24 GHz -30.003 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 - Swept SA Center Freq 2.437000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.422 60 GHz -30.408 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.327 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 2.462 62 GHz -29.229 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 6.326 s (1001 pts)	

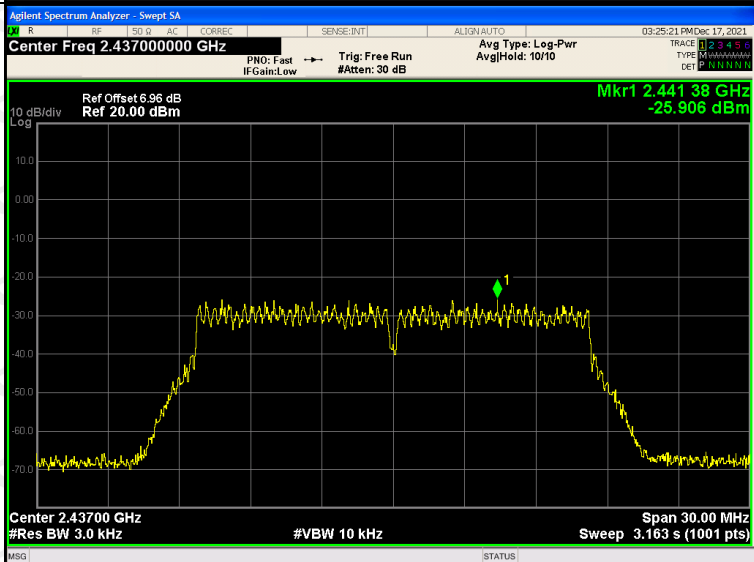
ANT 2: Test Graph



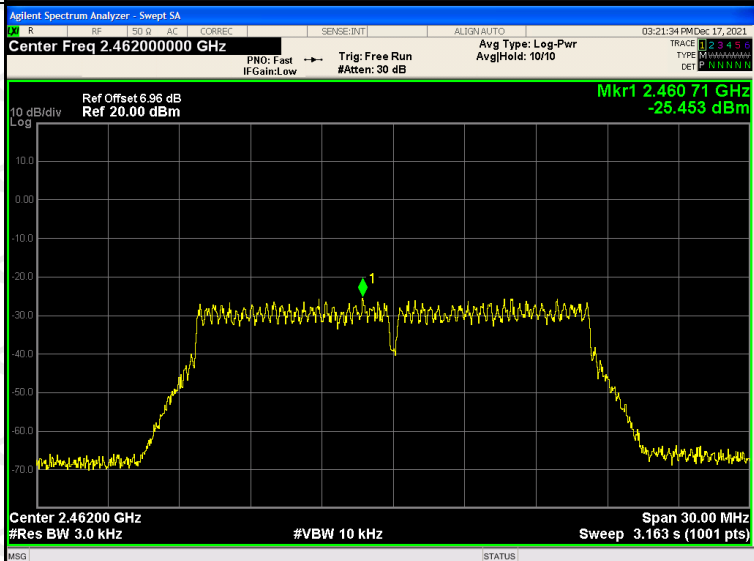
802.11g/LCH

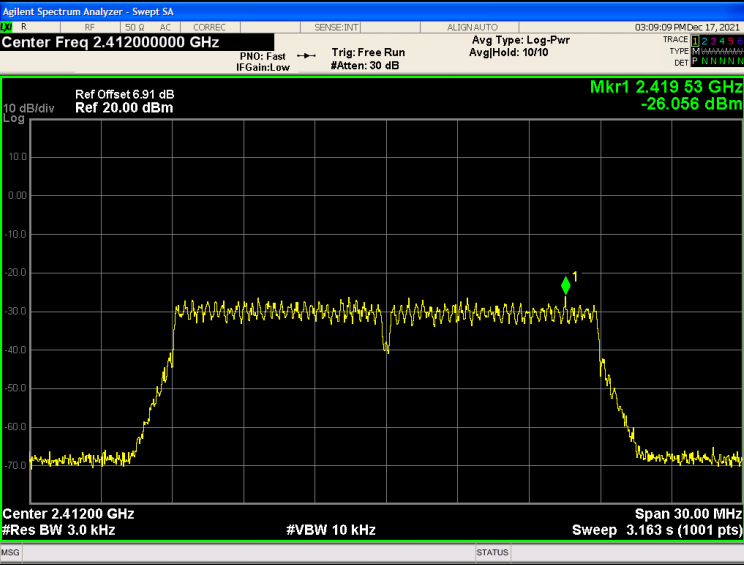
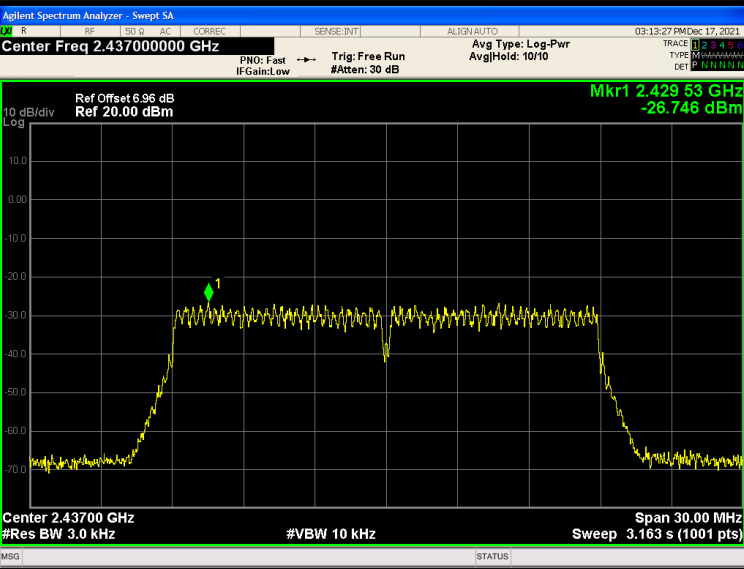
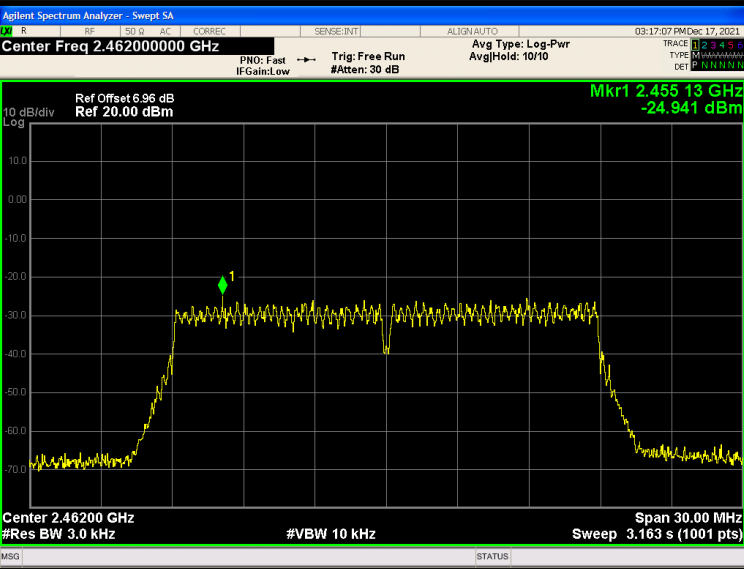


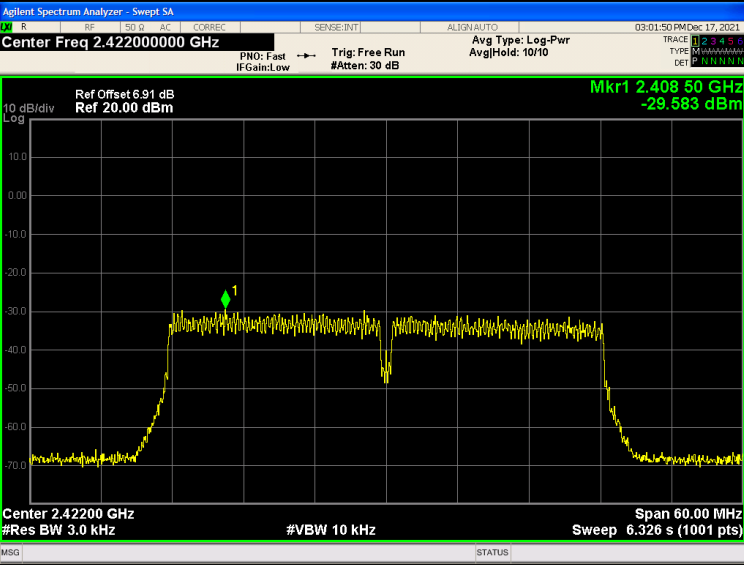
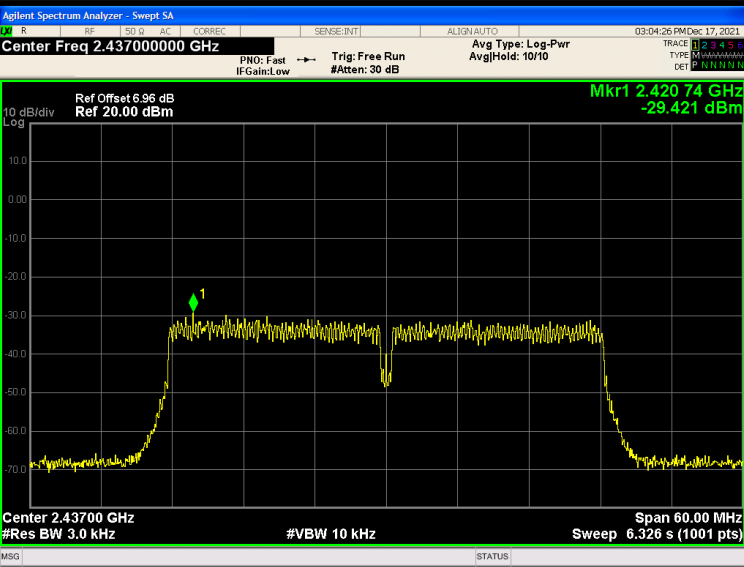
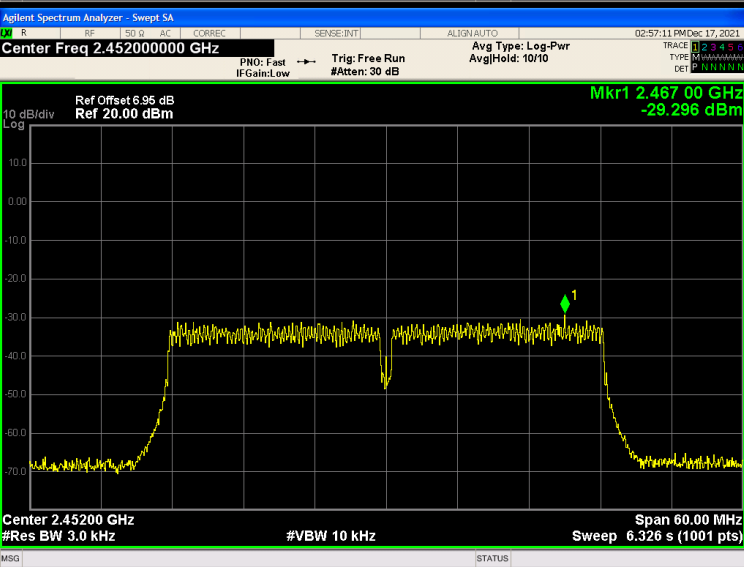
802.11g/MCH



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 2.419 53 GHz -26.056 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 2.429 53 GHz -26.746 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 2.455 13 GHz -24.941 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 2.408 50 GHz -29.583 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 - Swept SA Center Freq 2.437000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.420 74 GHz -29.421 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 - Swept SA Center Freq 2.452000000 GHz Ref Offset 6.96 dB Ref 20.00 dBm Mkr1 2.467 00 GHz -29.296 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz 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 Internal antenna and no consideration of replacement. The best case gain of the antenna is 1.0dBi.

13. EUT PHOTOGRAPHS

External Photos

EUT Photo 1



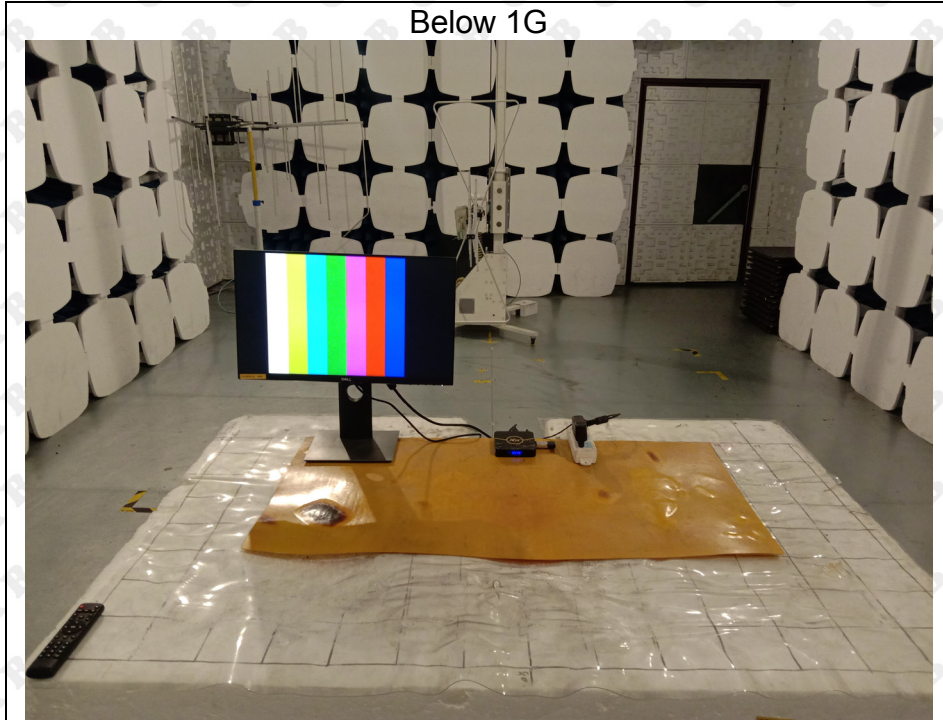
EUT Photo 2



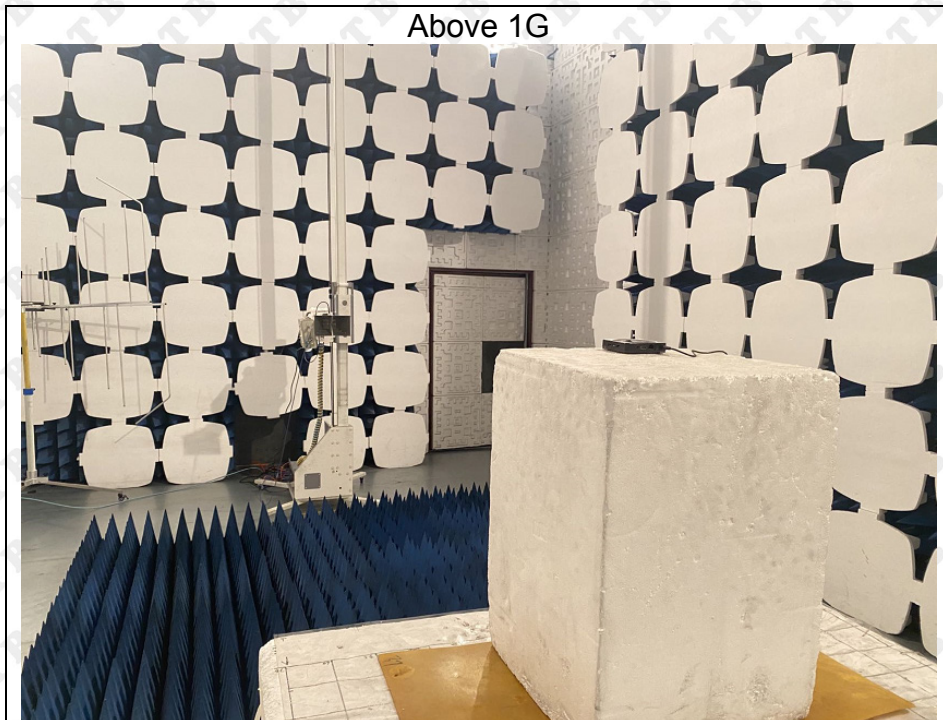
14. EUT TEST SETUP PHOTOGRAPHS

Radiated Emission

Below 1G



Above 1G



Conducted Emission



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