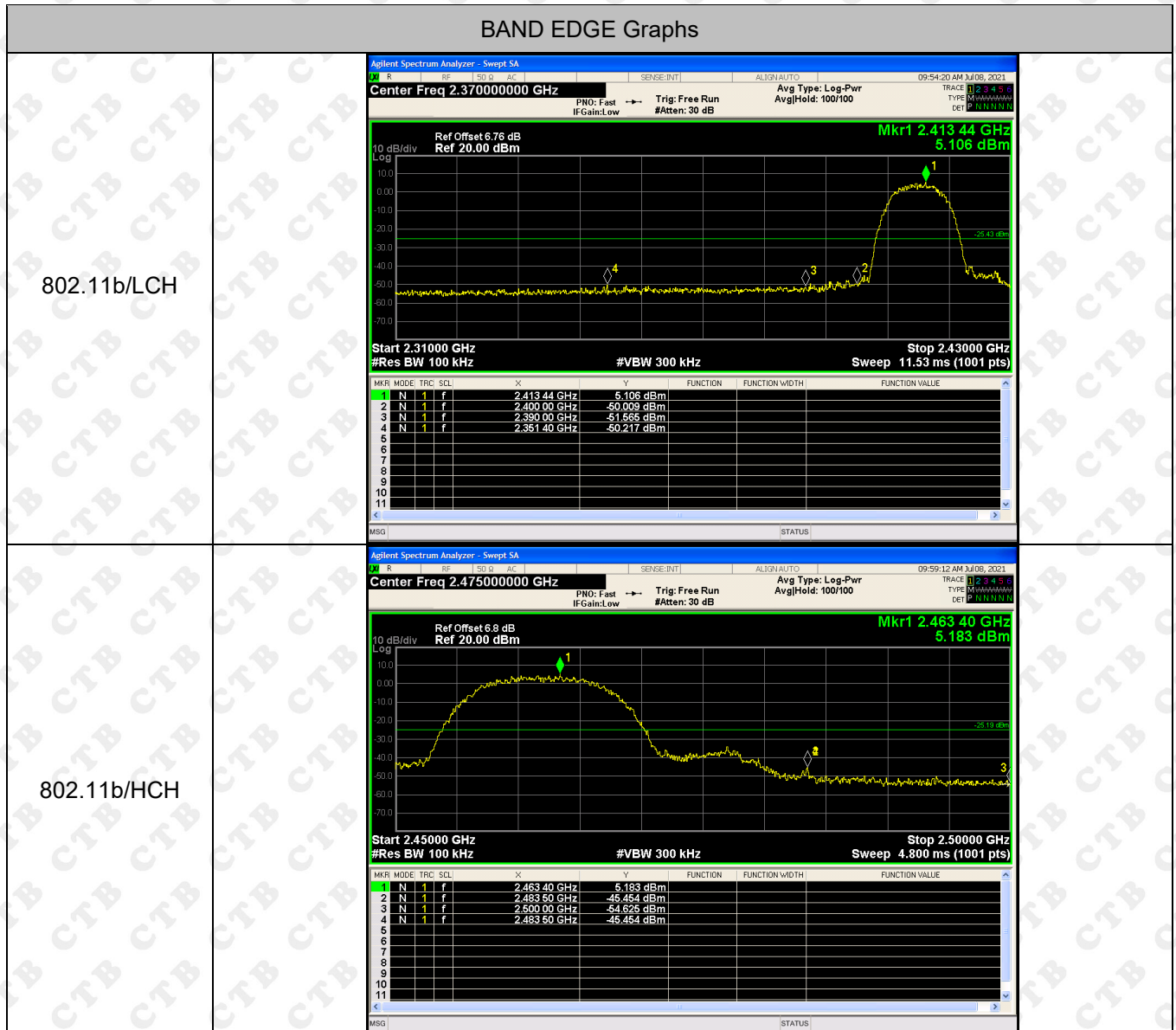


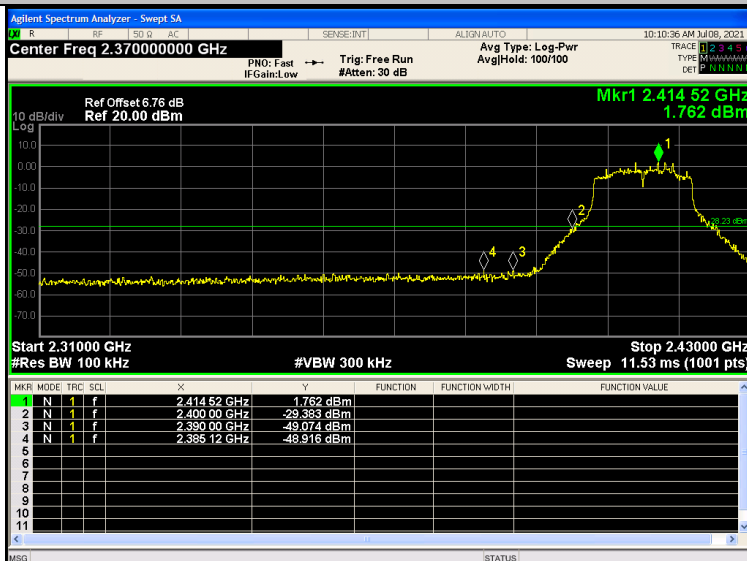
8.4 Test Result

ANT1

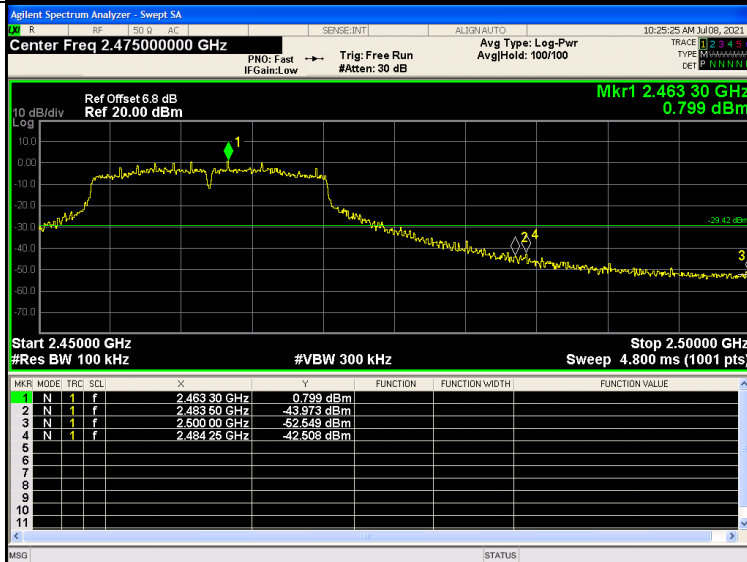


BAND EDGE Graphs

802.11g/LCH

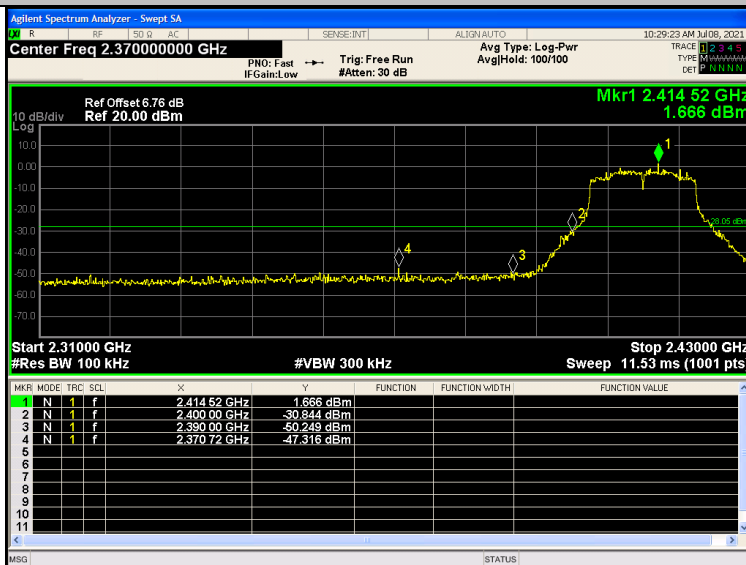


802.11g/HCH

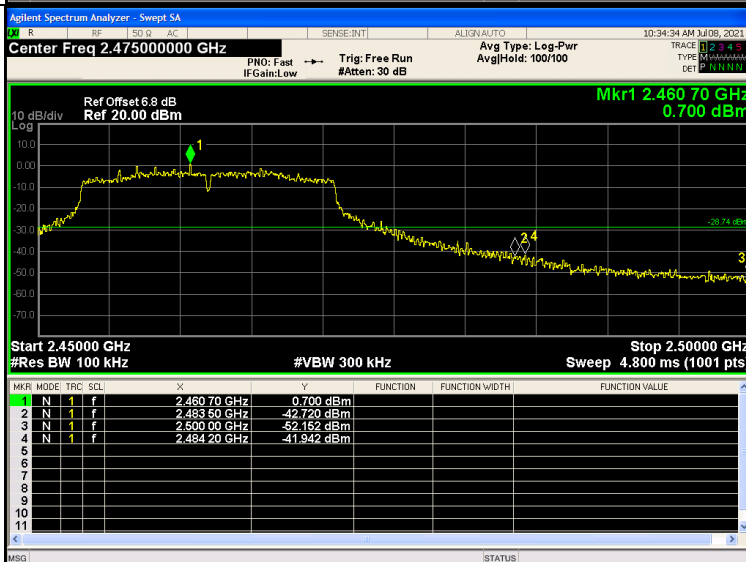


BAND EDGE Graphs

802.11n(HT20)/L
CH

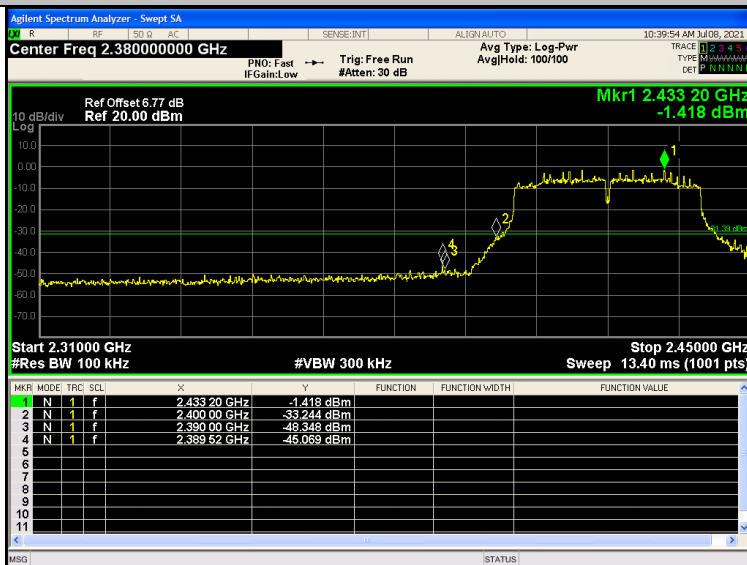


802.11n(HT20)/H
CH

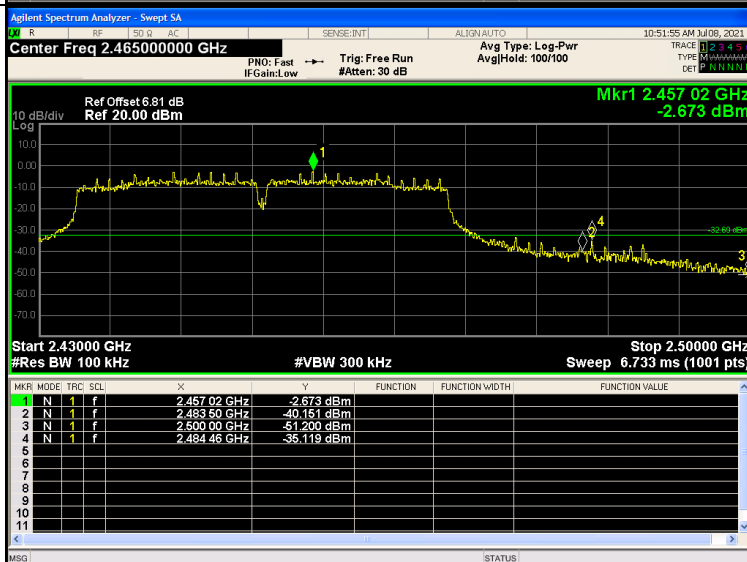


BAND EDGE Graphs

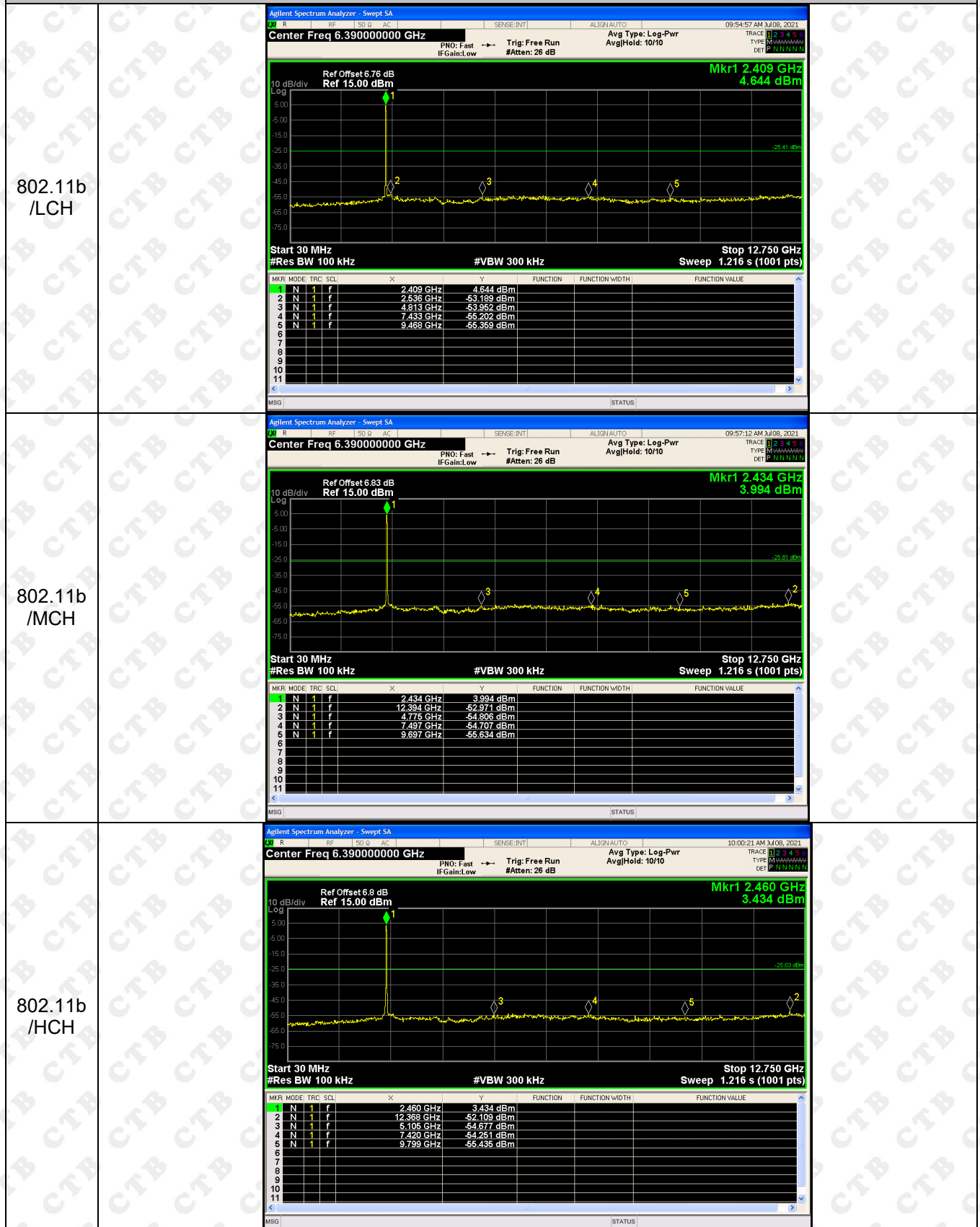
802.11n(HT40)/L
CH



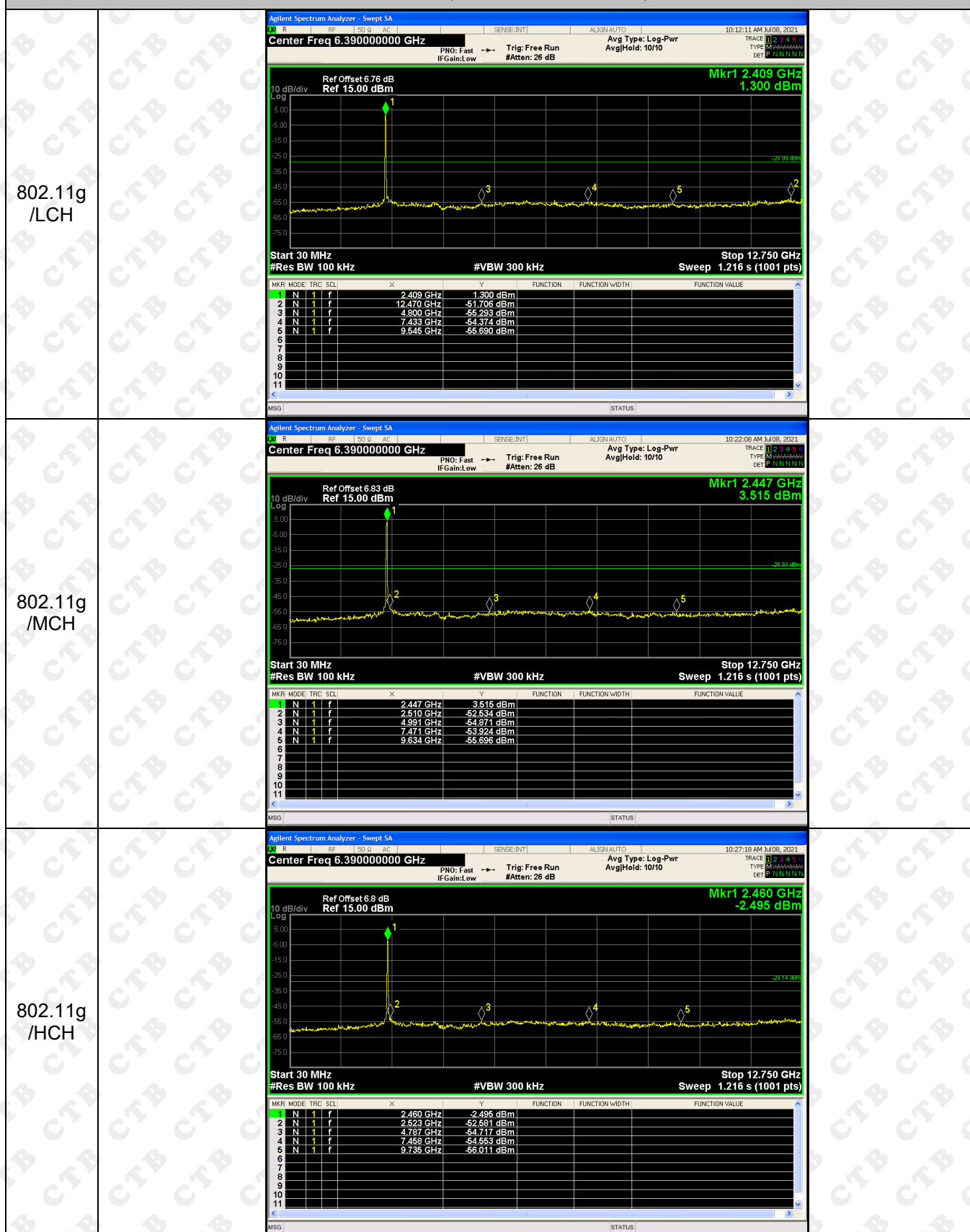
802.11n(HT40)/H
CH



RF Conducted Spurious Emissions Graphs



RF Conducted Spurious Emissions Graphs

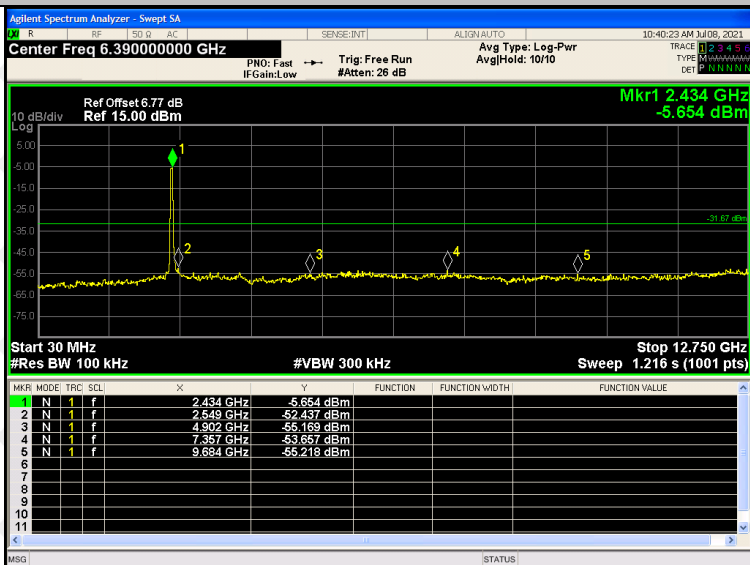


RF Conducted Spurious Emissions Graphs

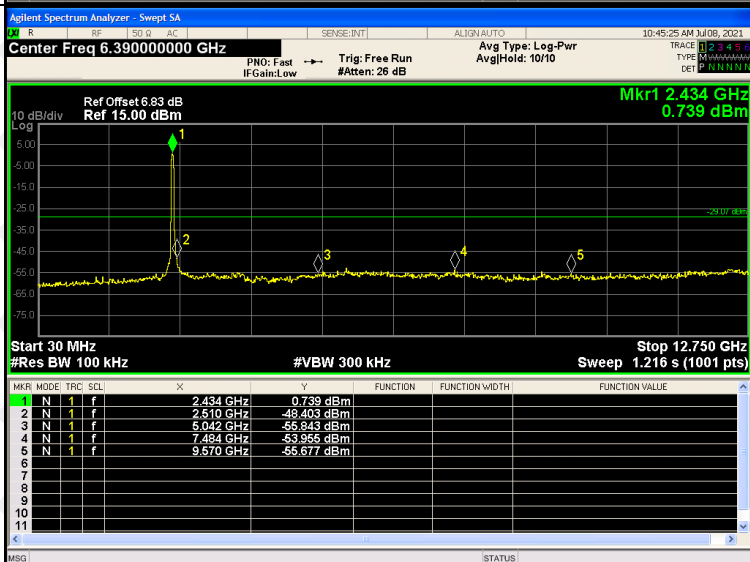
802.11n (HT20)/ LCH	Agilent Spectrum Analyzer - Swept SA Center Freq 6.390000000 GHz Ref Offset 6.76 dB Ref 15.00 dBm Mkr1 2.409 GHz -0.923 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 12.750 GHz Sweep 1.216 s (1001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.409 GHz</td><td>-0.923 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.523 GHz</td><td>-52.267 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.902 GHz</td><td>-55.308 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.039 GHz</td><td>-54.351 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.532 GHz</td><td>-54.662 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.409 GHz	-0.923 dBm				2	N	1	f	2.523 GHz	-52.267 dBm				3	N	1	f	4.902 GHz	-55.308 dBm				4	N	1	f	7.039 GHz	-54.351 dBm				5	N	1	f	9.532 GHz	-54.662 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.409 GHz	-0.923 dBm																																																		
2	N	1	f	2.523 GHz	-52.267 dBm																																																		
3	N	1	f	4.902 GHz	-55.308 dBm																																																		
4	N	1	f	7.039 GHz	-54.351 dBm																																																		
5	N	1	f	9.532 GHz	-54.662 dBm																																																		
802.11 n(HT20) /MCH	Agilent Spectrum Analyzer - Swept SA Center Freq 6.390000000 GHz Ref Offset 6.83 dB Ref 15.00 dBm Mkr1 2.434 GHz 4.137 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 12.750 GHz Sweep 1.216 s (1001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.434 GHz</td><td>4.137 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>12.457 GHz</td><td>-51.881 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>4.787 GHz</td><td>-54.950 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.433 GHz</td><td>-54.172 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.570 GHz</td><td>-55.150 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.434 GHz	4.137 dBm				2	N	1	f	12.457 GHz	-51.881 dBm				3	N	1	f	4.787 GHz	-54.950 dBm				4	N	1	f	7.433 GHz	-54.172 dBm				5	N	1	f	9.570 GHz	-55.150 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.434 GHz	4.137 dBm																																																		
2	N	1	f	12.457 GHz	-51.881 dBm																																																		
3	N	1	f	4.787 GHz	-54.950 dBm																																																		
4	N	1	f	7.433 GHz	-54.172 dBm																																																		
5	N	1	f	9.570 GHz	-55.150 dBm																																																		
802.11 n(HT20) /HCH	Agilent Spectrum Analyzer - Swept SA Center Freq 6.390000000 GHz Ref Offset 6.8 dB Ref 15.00 dBm Mkr1 2.460 GHz -1.389 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 12.750 GHz Sweep 1.216 s (1001 pts) <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.460 GHz</td><td>-1.389 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.510 GHz</td><td>-51.385 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>5.042 GHz</td><td>-55.217 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>7.433 GHz</td><td>-53.707 dBm</td><td></td><td></td><td></td></tr><tr><td>5</td><td>N</td><td>1</td><td>f</td><td>9.786 GHz</td><td>-56.442 dBm</td><td></td><td></td><td></td></tr></table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.460 GHz	-1.389 dBm				2	N	1	f	2.510 GHz	-51.385 dBm				3	N	1	f	5.042 GHz	-55.217 dBm				4	N	1	f	7.433 GHz	-53.707 dBm				5	N	1	f	9.786 GHz	-56.442 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.460 GHz	-1.389 dBm																																																		
2	N	1	f	2.510 GHz	-51.385 dBm																																																		
3	N	1	f	5.042 GHz	-55.217 dBm																																																		
4	N	1	f	7.433 GHz	-53.707 dBm																																																		
5	N	1	f	9.786 GHz	-56.442 dBm																																																		

RF Conducted Spurious Emissions Graphs

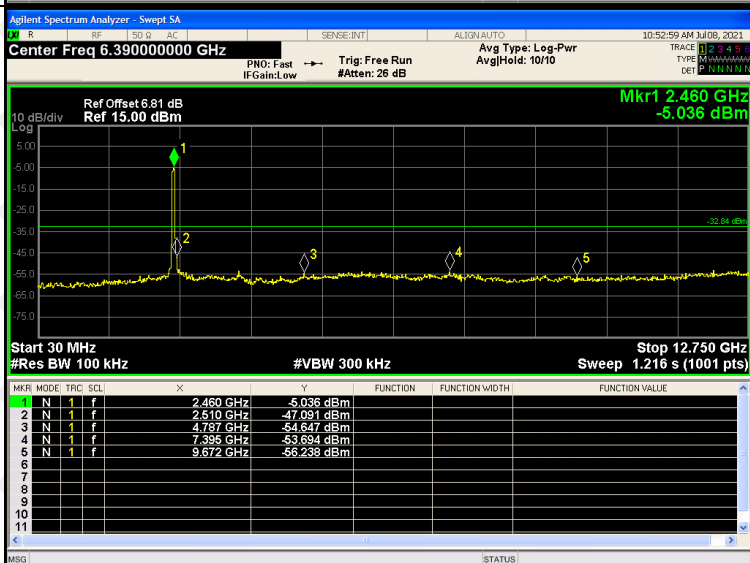
802.11
n(HT40)
/LCH



802.11
n(HT40)
/MCH



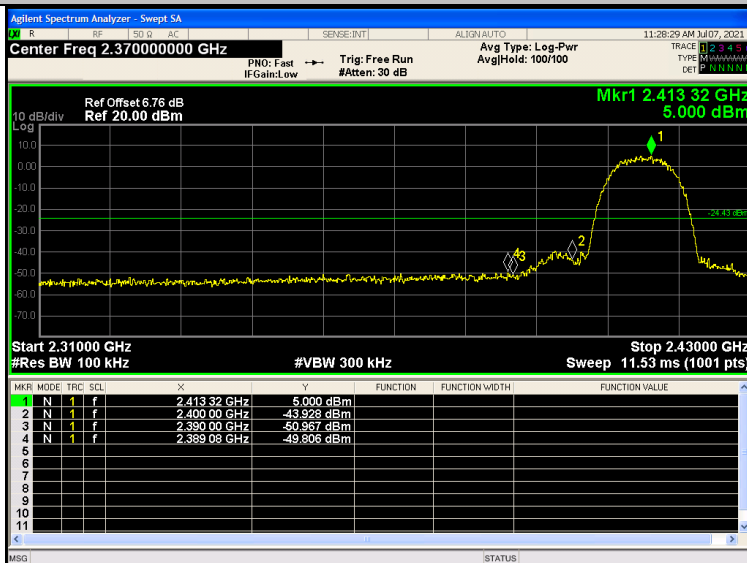
802.11
n(HT40)
/HCH



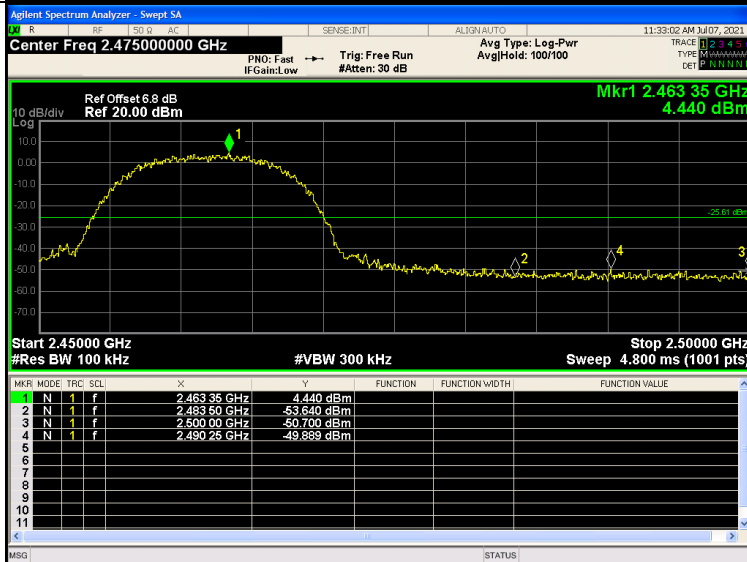
ANT2

BAND EDGE Graphs

802.11b/LCH

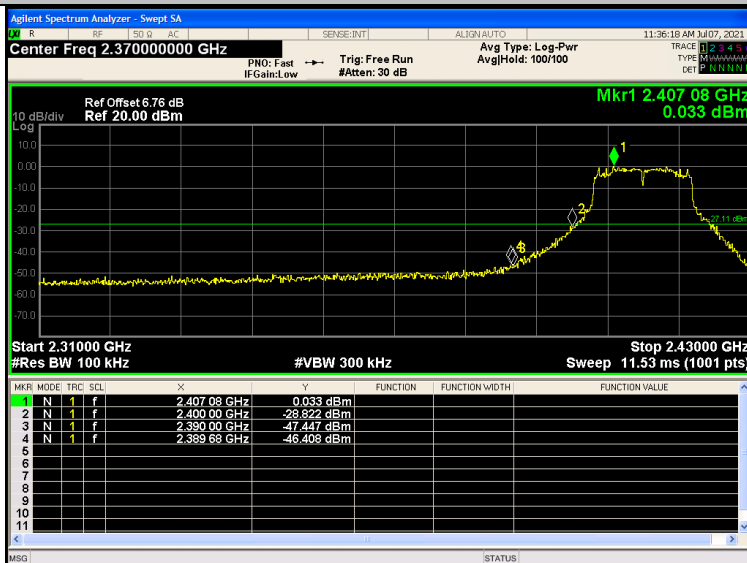


802.11b/HCH

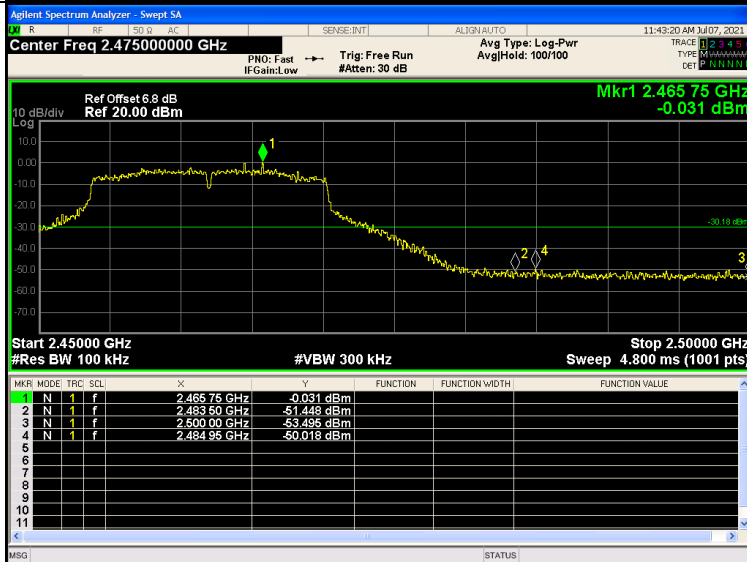


BAND EDGE Graphs

802.11g/LCH

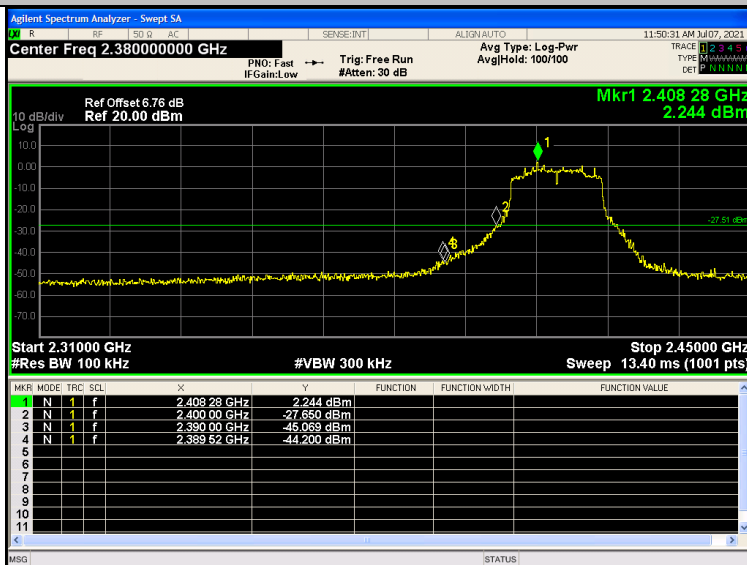


802.11g/HCH

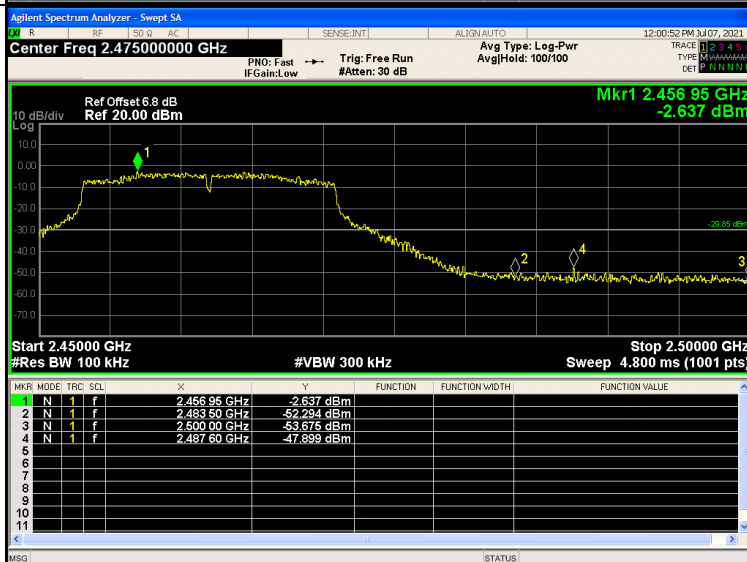


BAND EDGE Graphs

802.11n(HT20)/L
CH

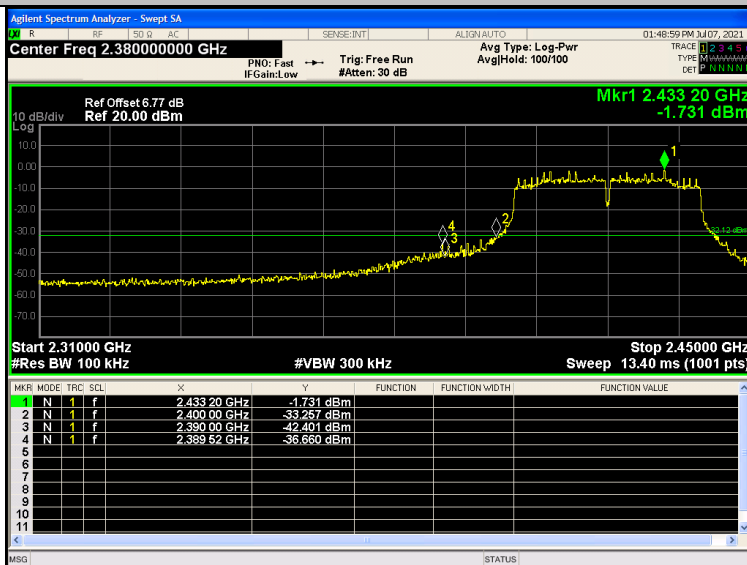


802.11n(HT20)/H
CH

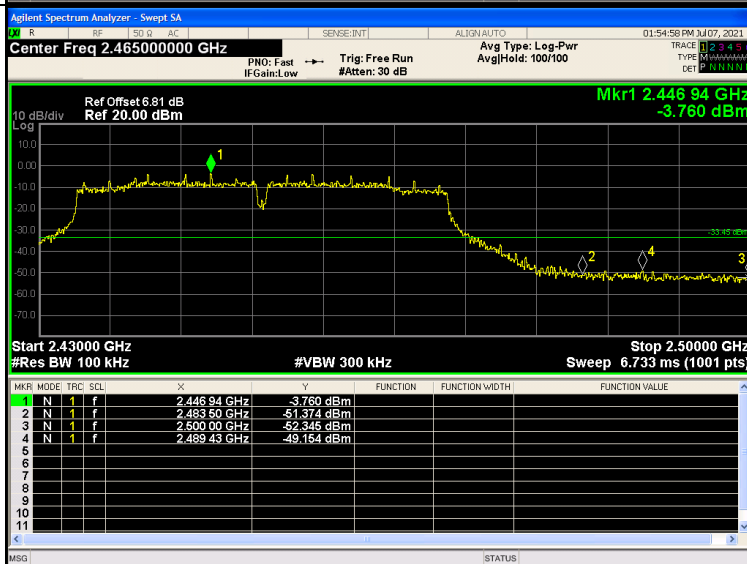


BAND EDGE Graphs

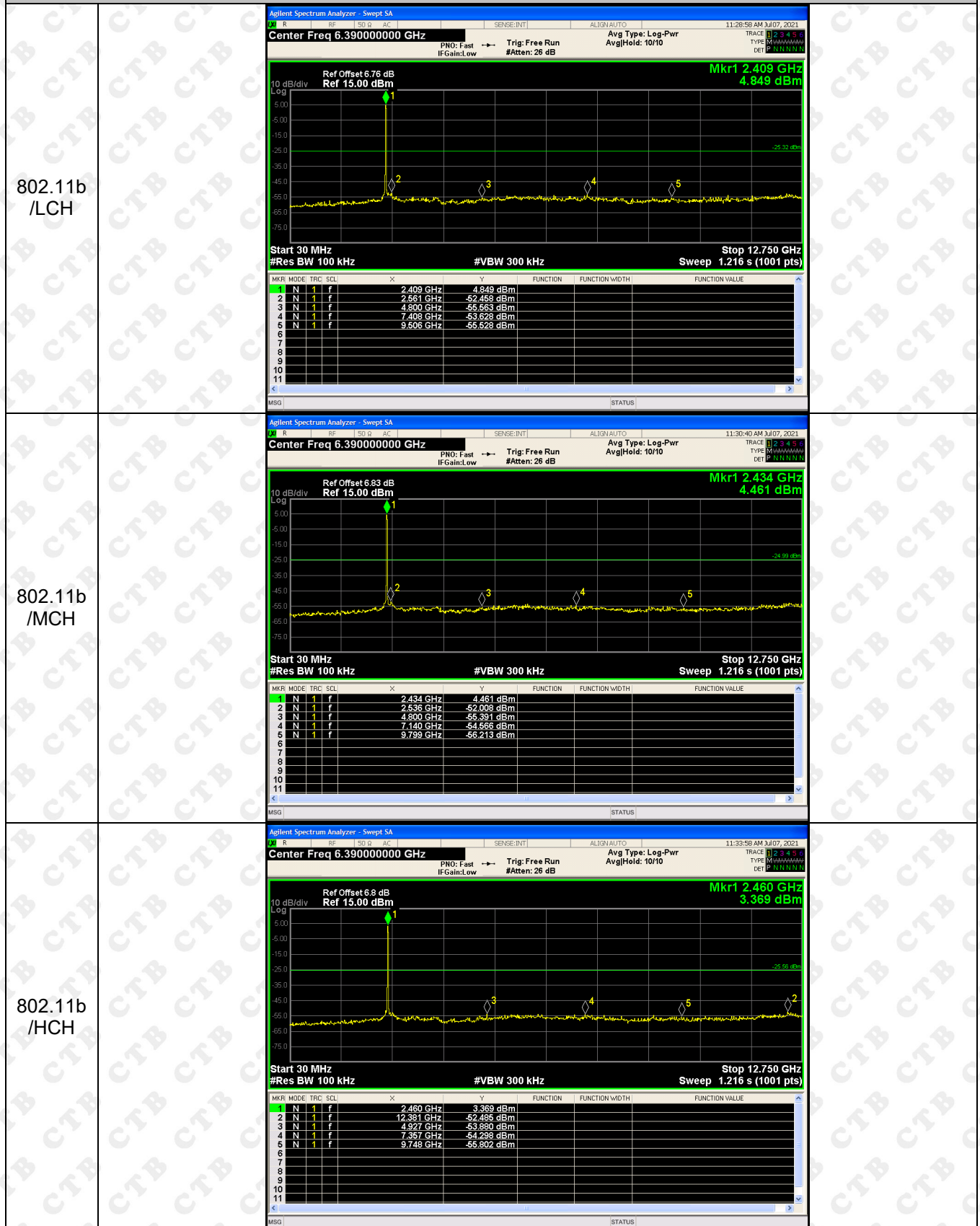
802.11n(HT40)/L
CH



802.11n(HT40)/H
CH

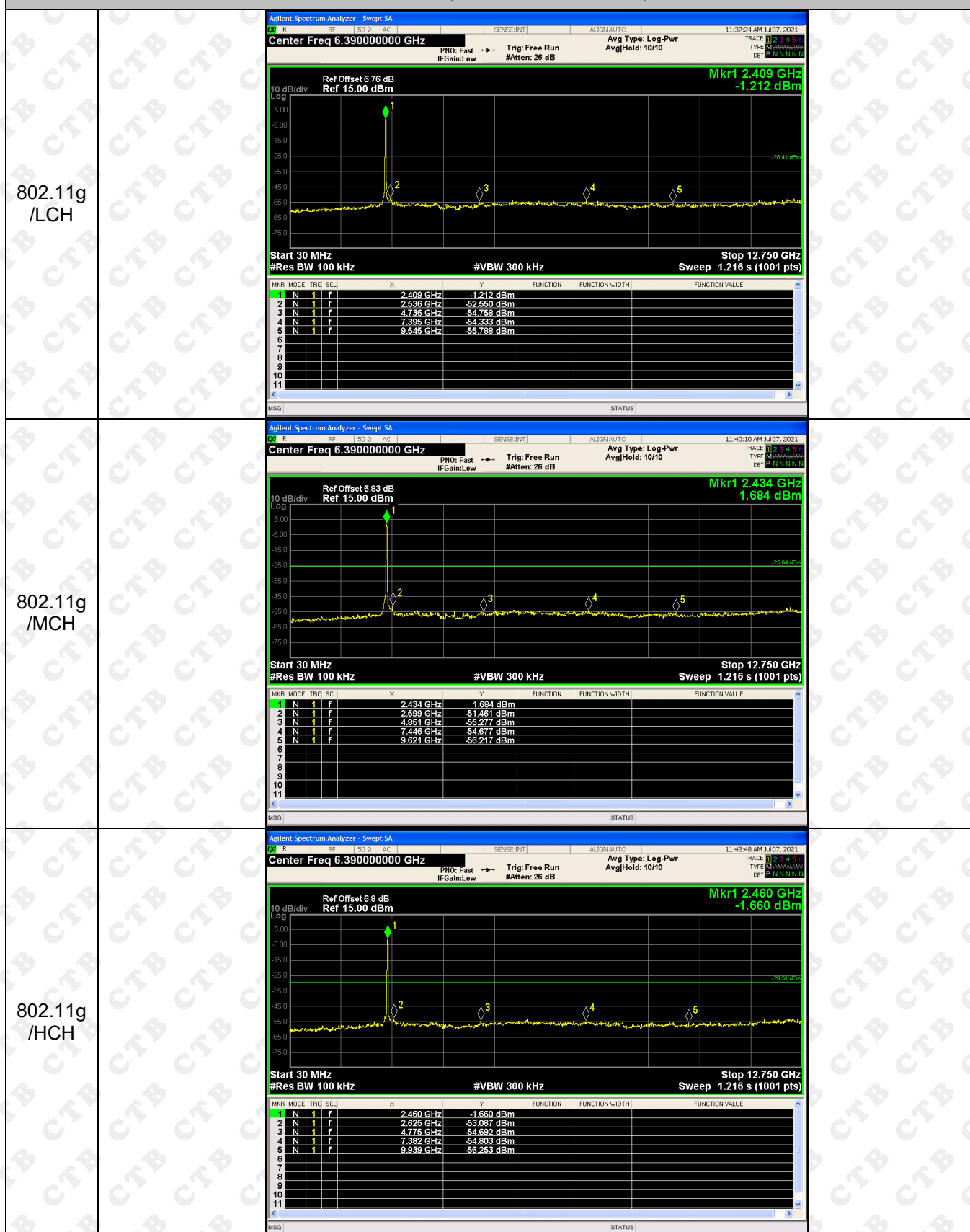


RF Conducted Spurious Emissions Graphs

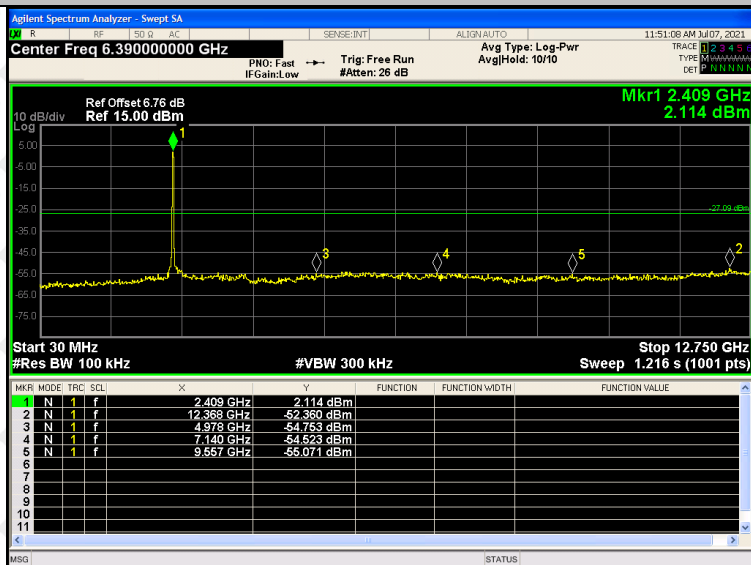
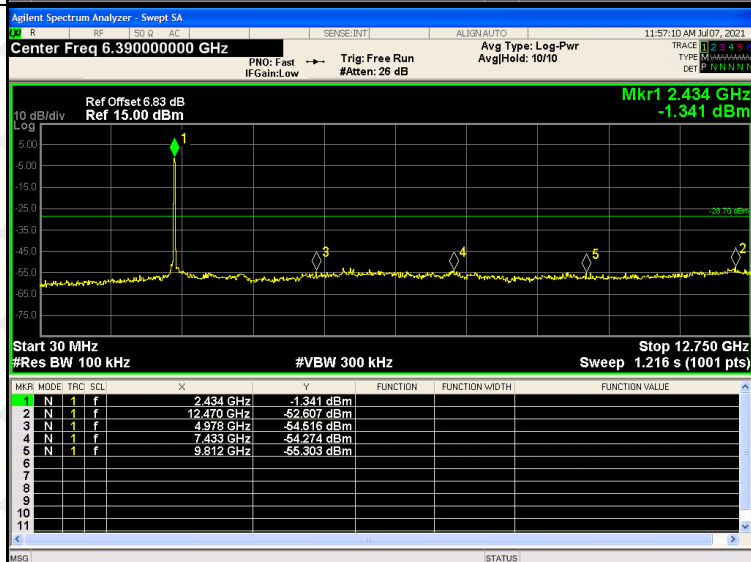
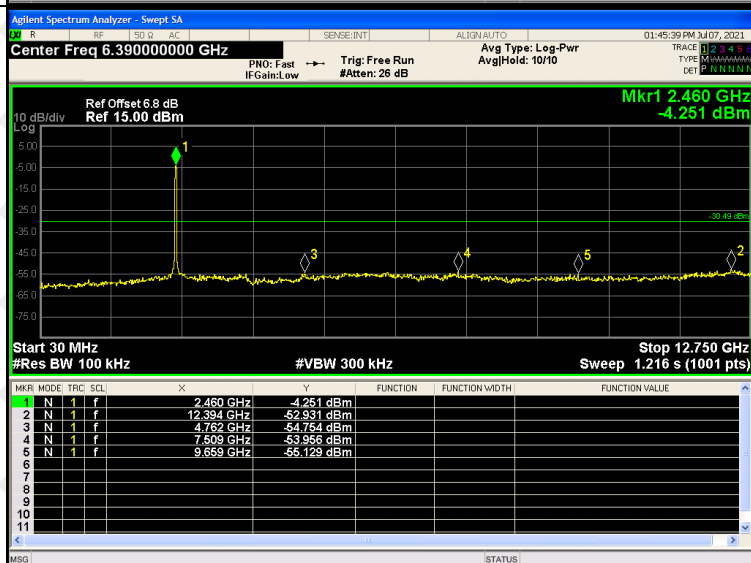




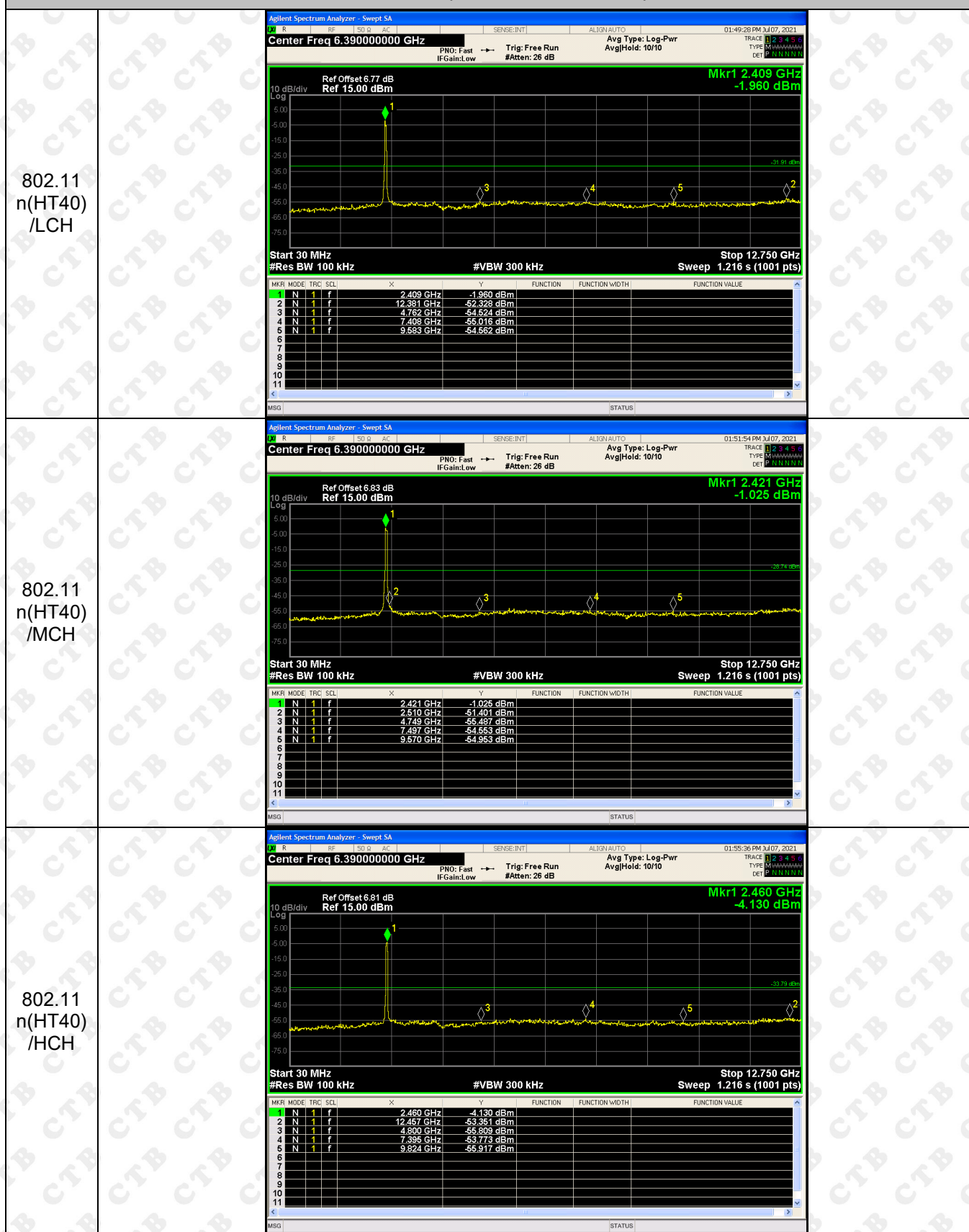
RF Conducted Spurious Emissions Graphs



RF Conducted Spurious Emissions Graphs

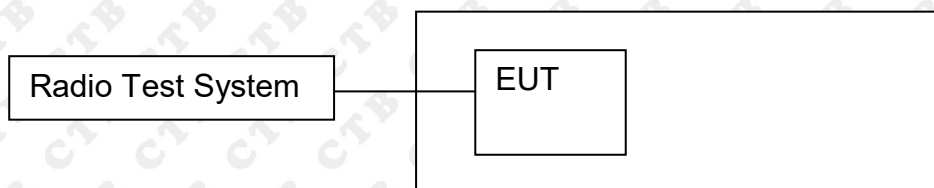
802.11n
(HT20)/
LCH802.11
n(HT20)
/MCH802.11
n(HT20)
/HCH

RF Conducted Spurious Emissions Graphs



9. COUDUCTED OUTPUT POWER

9.1 Block Diagram Of Test Setup



9.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

9.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1MHz. VBW = 3MHz. Sweep = auto; Detector Function = RMS. Channel power function is used
3. Keep the EUT in transmitting at lowest, middle and highest channel individually. Record the max value.

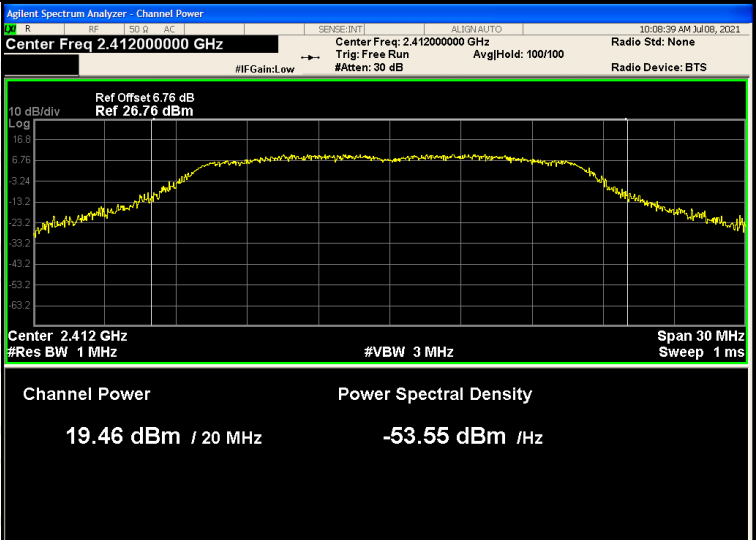
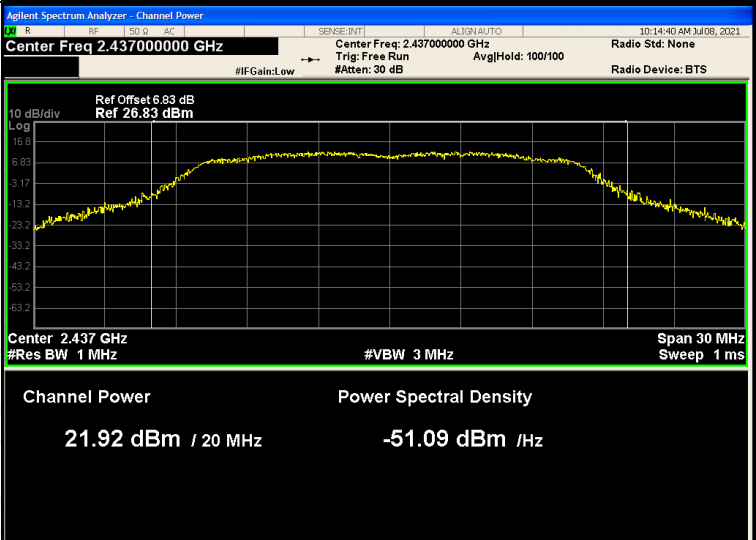
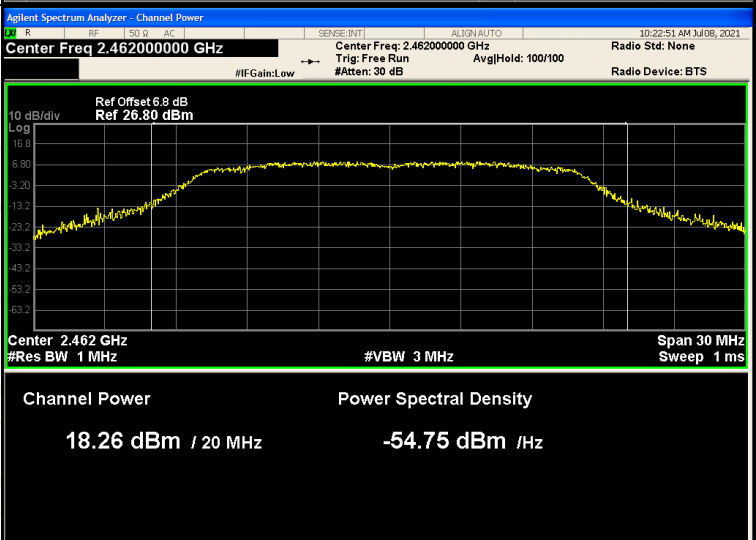
9.4 Test Result

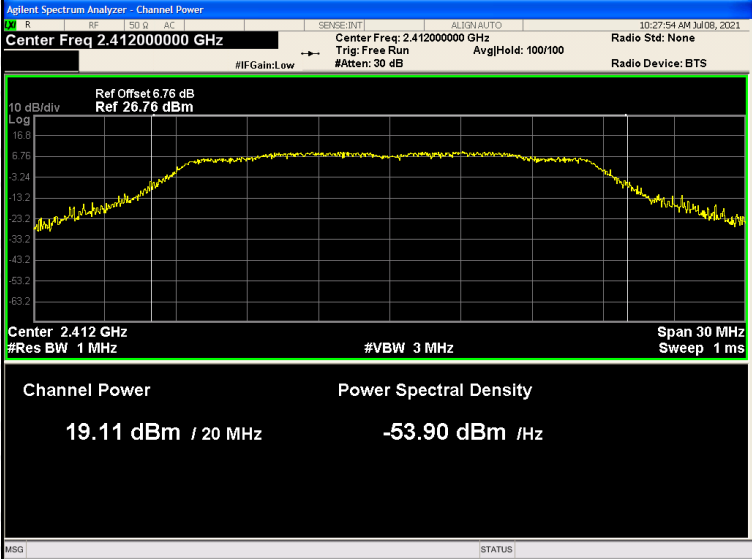
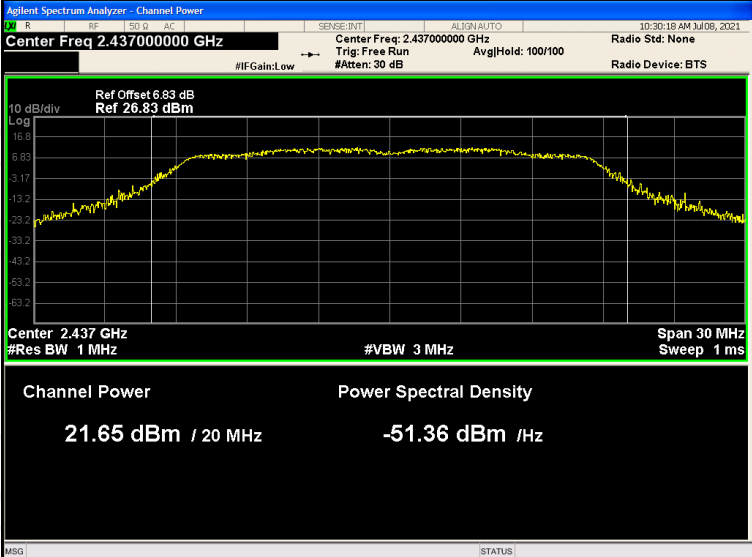
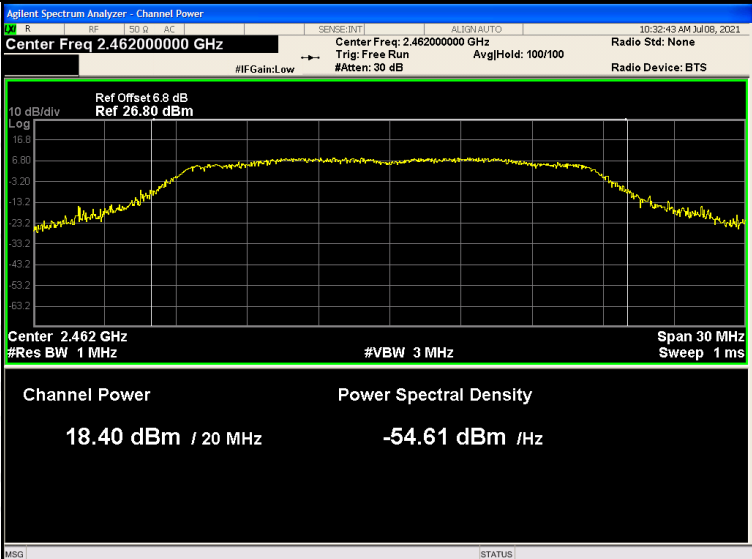
ANT 1 +ANT 2

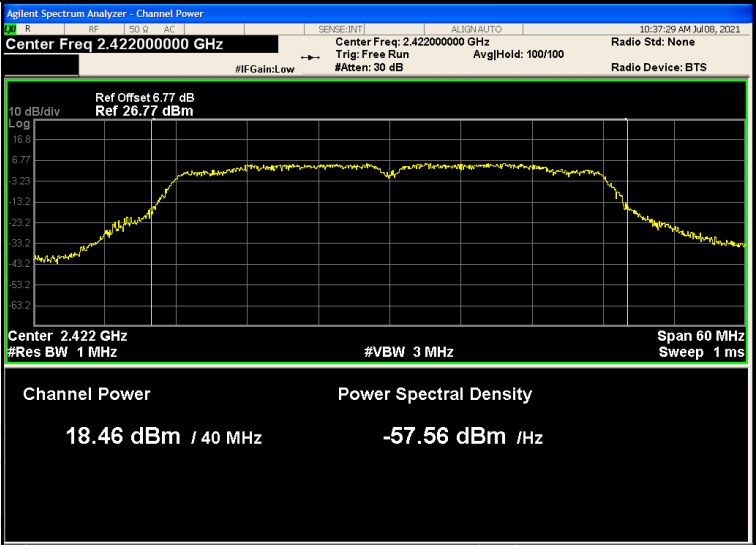
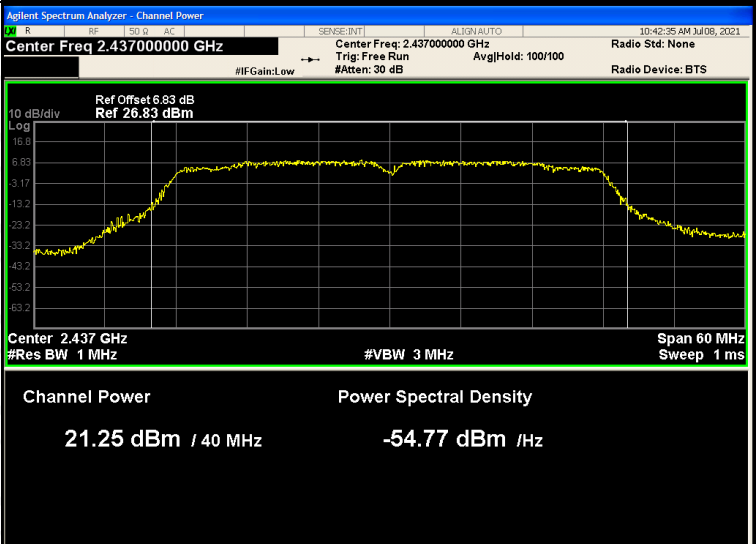
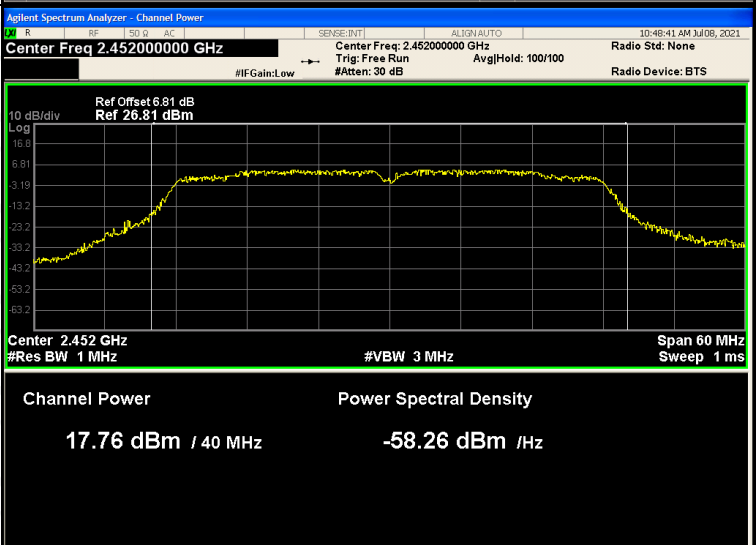
Mode	Channel.	Maximum Output Power [dBm] ant 1	Maximum Output Power [dBm] ant 2	Total Power Conducted Output Power(PK)	Limit[dBm]
802.11b	LCH	19.214	19.895	\	30
	MCH	19.949	19.955	\	30
	HCH	19.883	19.324	\	30
802.11g	LCH	19.463	19.796	\	30
	MCH	21.923	21.632	\	30
	HCH	18.259	10.56	\	30
802.11n(HT20)	LCH	19.115	19.671	22.412	30
	MCH	21.647	17.7	23.118	30
	HCH	18.402	17.25	20.874	30
802.11n(HT40)	LCH	18.463	15.499	20.239	30
	MCH	21.248	18.456	23.083	30
	HCH	17.764	16.361	20.129	30

ANT1

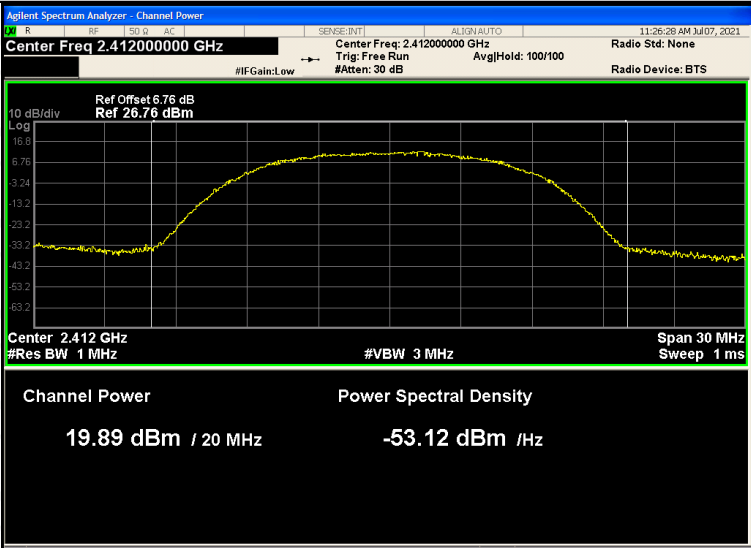
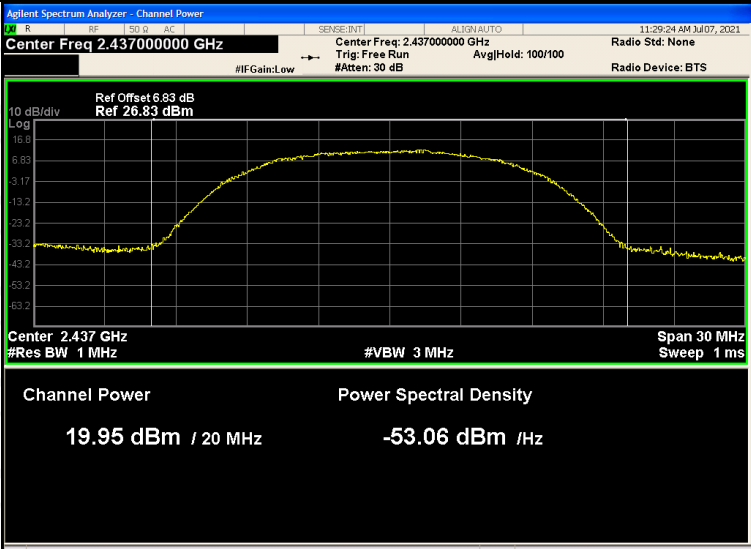
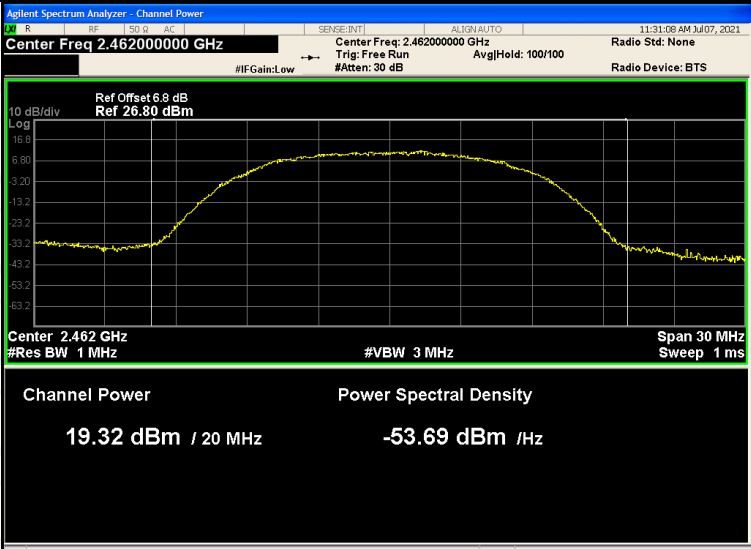
Mode	Channel.	Maximum Output Power [dBm]
802.11b	LCH	Agilent Spectrum Analyzer - Channel Power Center Freq: 2.412000000 GHz Channel Power: 19.21 dBm / 20 MHz Power Spectral Density: -53.80 dBm / Hz
	MCH	Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 19.95 dBm / 20 MHz Power Spectral Density: -53.06 dBm / Hz
	HCH	Agilent Spectrum Analyzer - Channel Power Center Freq: 2.462000000 GHz Channel Power: 19.88 dBm / 20 MHz Power Spectral Density: -53.13 dBm / Hz

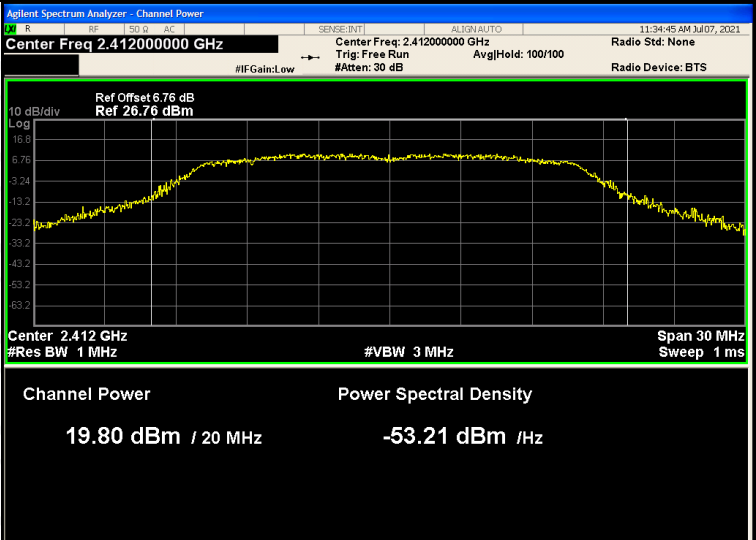
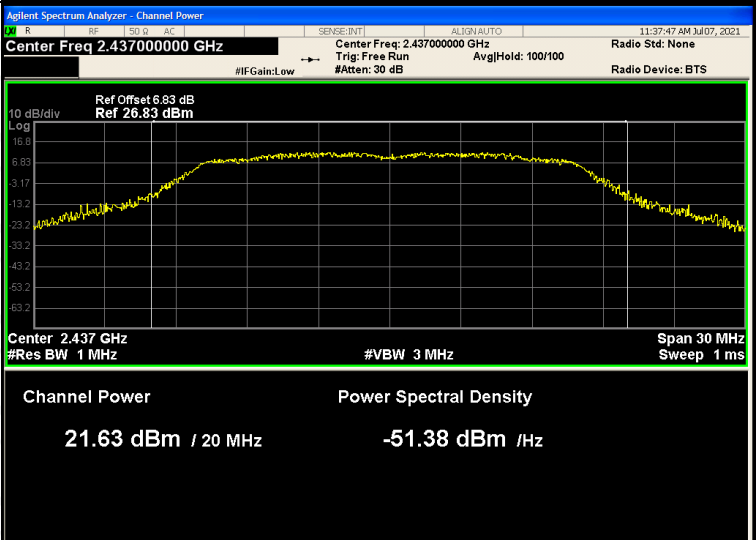
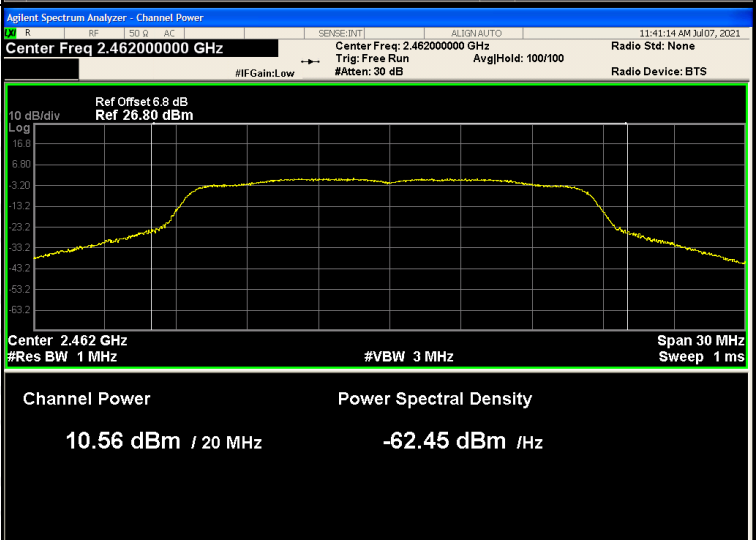
	LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.412000000 GHz Channel Power: 19.46 dBm / 20 MHz Power Spectral Density: -53.55 dBm / Hz	
802.11g	MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 21.92 dBm / 20 MHz Power Spectral Density: -51.09 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.462000000 GHz Channel Power: 18.26 dBm / 20 MHz Power Spectral Density: -54.75 dBm / Hz	

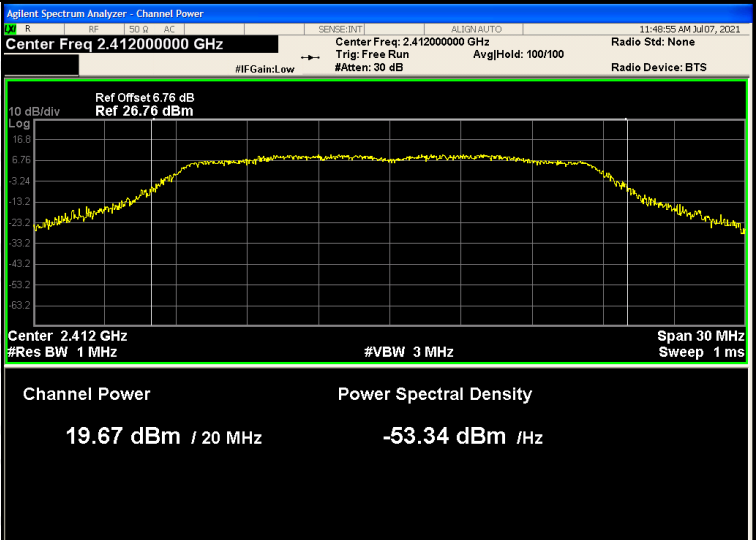
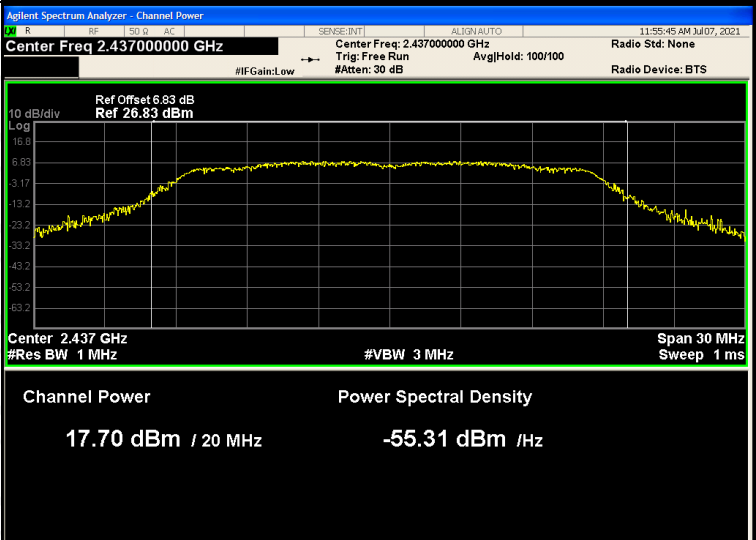
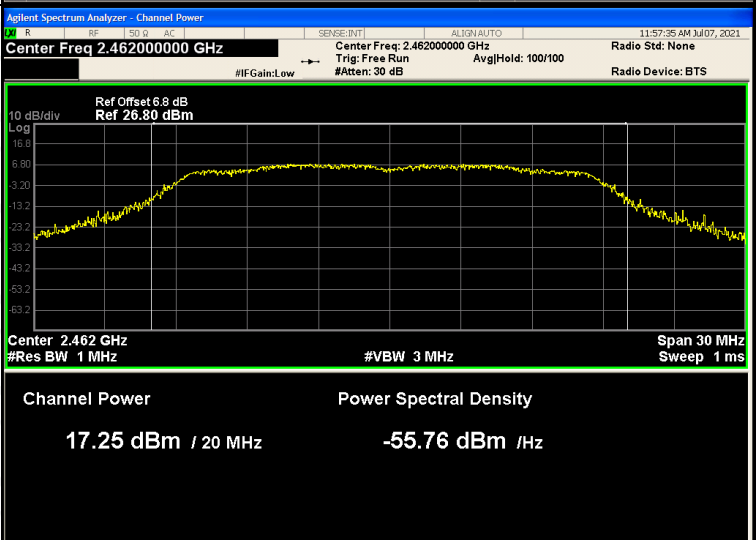
	LCH		
802.11n(HT20)	MCH		
	HCH		

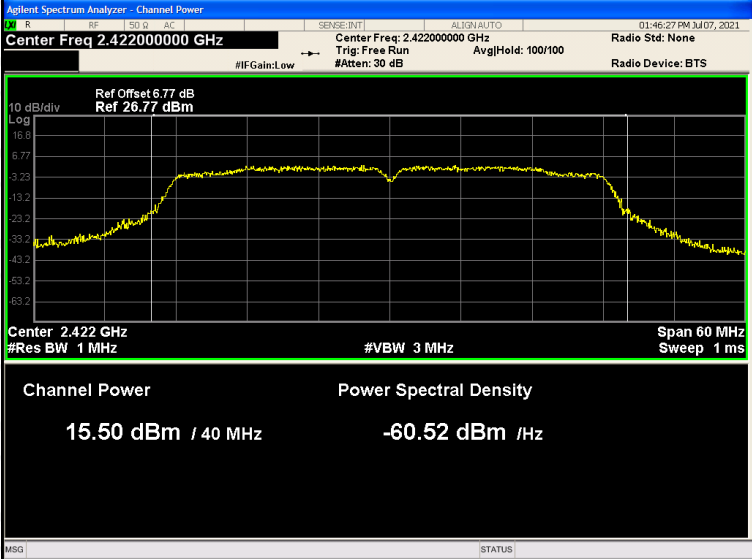
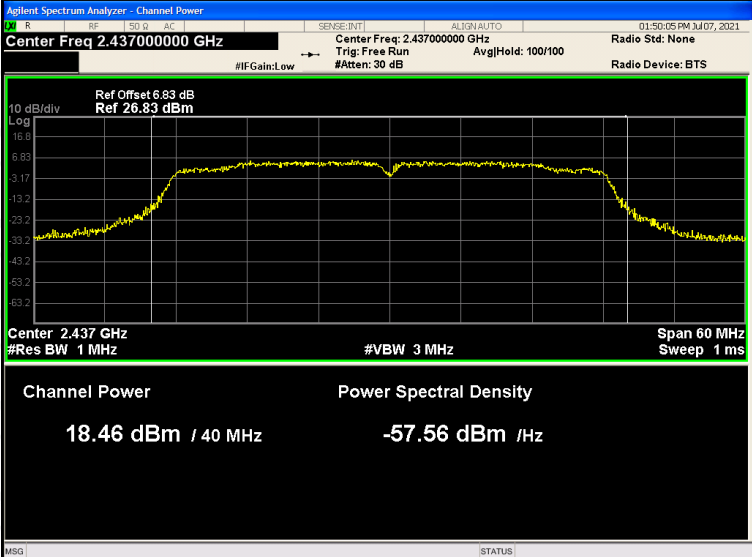
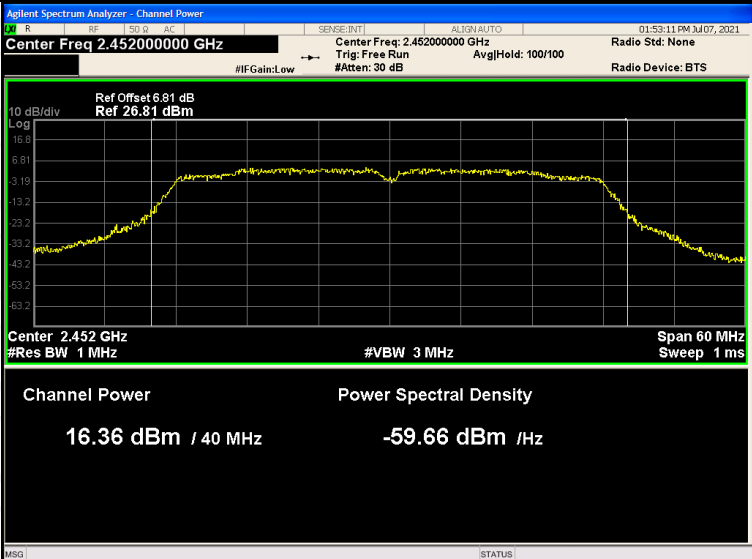
	LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.422000000 GHz Channel Power: 18.46 dBm / 40 MHz Power Spectral Density: -57.56 dBm / Hz	
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 21.25 dBm / 40 MHz Power Spectral Density: -54.77 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.452000000 GHz Channel Power: 17.76 dBm / 40 MHz Power Spectral Density: -58.26 dBm / Hz	

ANT2

Mode	Channel.	Maximum Output Power [dBm]
802.11b	LCH	
	MCH	
	HCH	

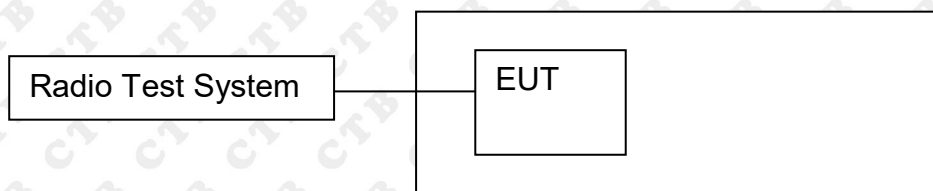
	LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.412000000 GHz Channel Power: 19.80 dBm / 20 MHz Power Spectral Density: -53.21 dBm / Hz	
802.11g	MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 21.63 dBm / 20 MHz Power Spectral Density: -51.38 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.462000000 GHz Channel Power: 10.56 dBm / 20 MHz Power Spectral Density: -62.45 dBm / Hz	

	LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.412000000 GHz Channel Power: 19.67 dBm / 20 MHz Power Spectral Density: -53.34 dBm / Hz	
802.11n(HT20)	MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 17.70 dBm / 20 MHz Power Spectral Density: -55.31 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.462000000 GHz Channel Power: 17.25 dBm / 20 MHz Power Spectral Density: -55.76 dBm / Hz	

	LCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.422000000 GHz Channel Power: 15.50 dBm / 40 MHz Power Spectral Density: -60.52 dBm / Hz	
802.11n(HT40)	MCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.437000000 GHz Channel Power: 18.46 dBm / 40 MHz Power Spectral Density: -57.56 dBm / Hz	
	HCH	 Agilent Spectrum Analyzer - Channel Power Center Freq: 2.452000000 GHz Channel Power: 16.36 dBm / 40 MHz Power Spectral Density: -59.66 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

ANT 1

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	9.926	500	PASS
	MCH	9.992	500	PASS
	HCH	9.874	500	PASS
802.11g	LCH	11.377	500	PASS
	MCH	14.989	500	PASS
	HCH	15.091	500	PASS
802.11n(HT20)	LCH	13.75	500	PASS
	MCH	15.078	500	PASS
	HCH	17.538	500	PASS
802.11n(HT40)	LCH	35.11	500	PASS
	MCH	35.055	500	PASS
	HCH	33.838	500	PASS

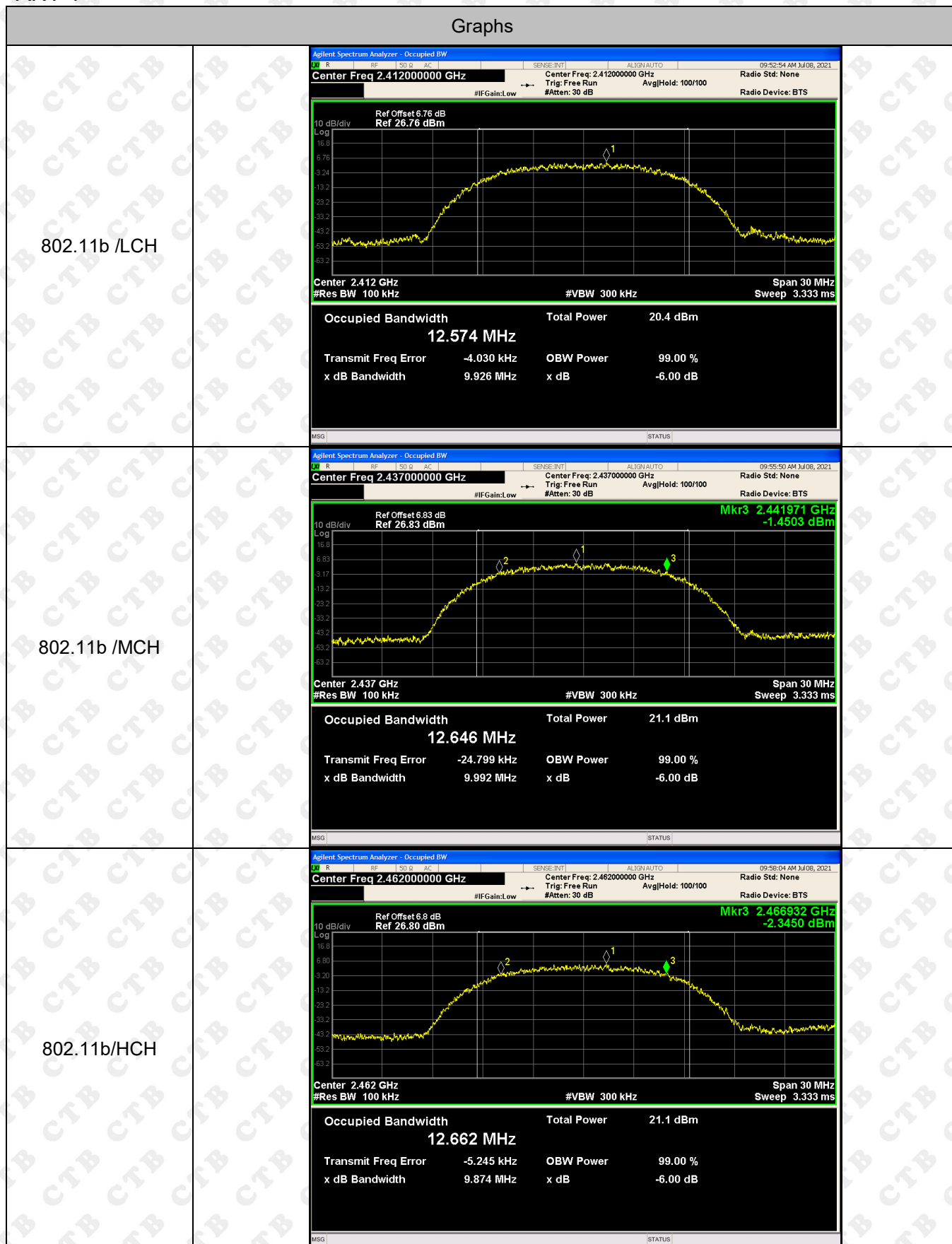
ANT 2

Test Mode	Frequency	6dB Bandwidth (MHz)	Limit(kHz)	Result
802.11b	LCH	9.136	500	PASS
	MCH	9.495	500	PASS
	HCH	9.564	500	PASS
802.11g	LCH	13.855	500	PASS
	MCH	14.099	500	PASS
	HCH	14.365	500	PASS
802.11n(HT20)	LCH	11.027	500	PASS
	MCH	15.36	500	PASS
	HCH	13.818	500	PASS
802.11n(HT40)	LCH	33.762	500	PASS
	MCH	33.873	500	PASS

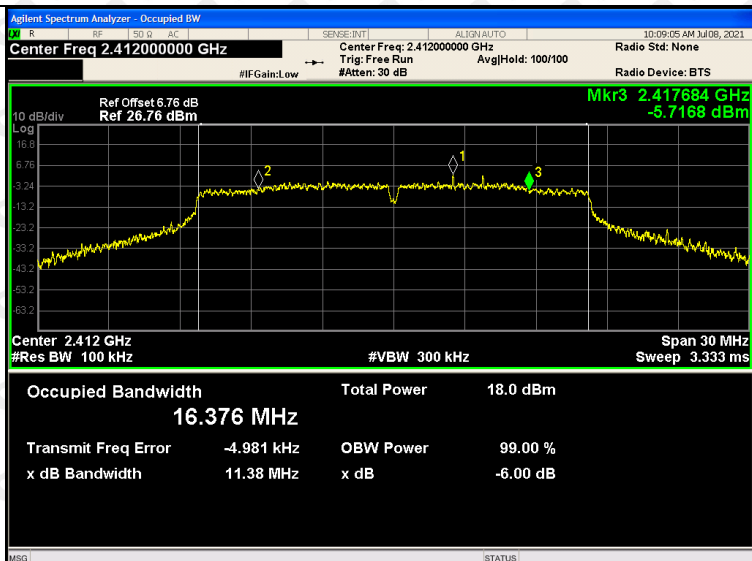


	HCH	32.534	500	PASS
--	-----	--------	-----	-------------

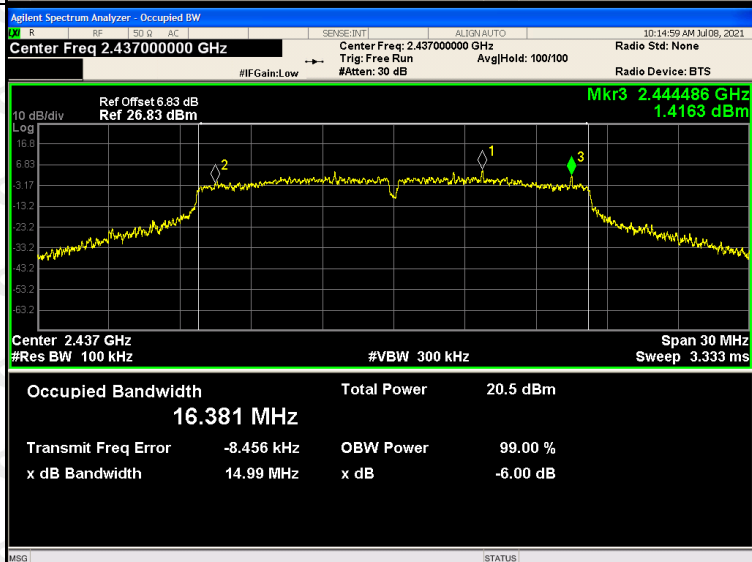
Test Graph1: ANT 1



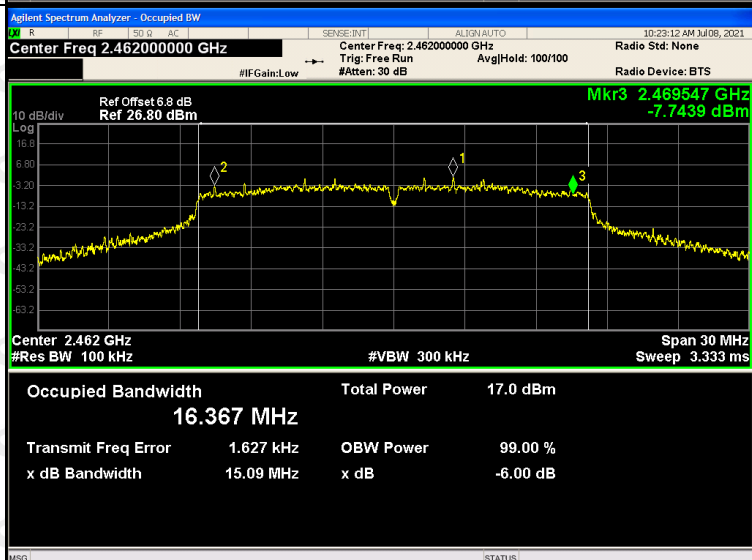
802.11g/LCH

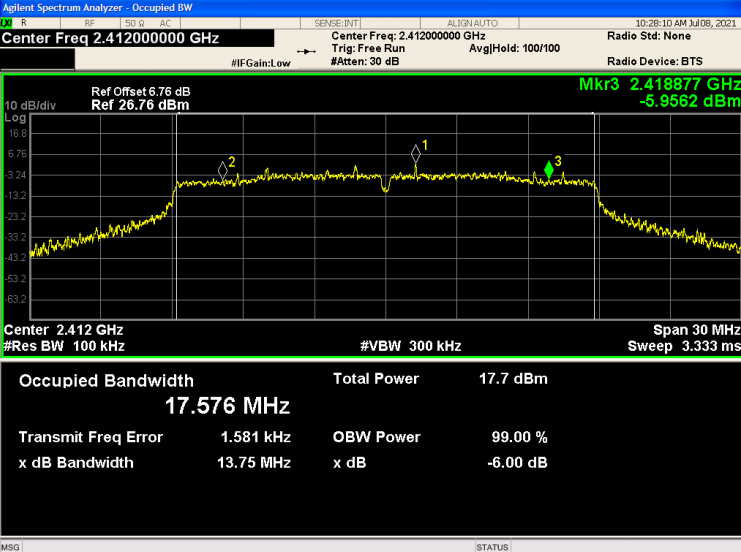
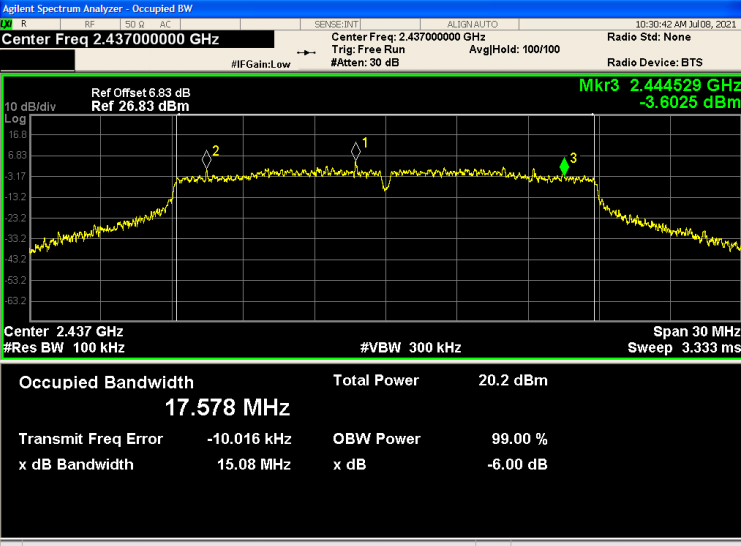
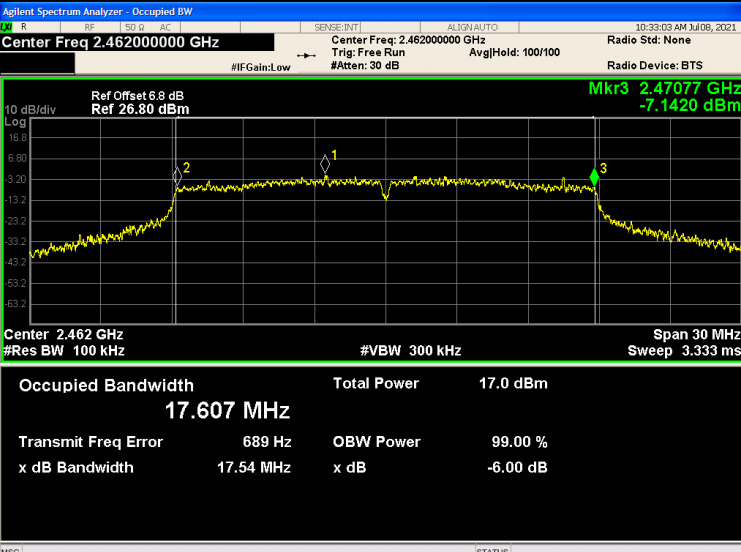


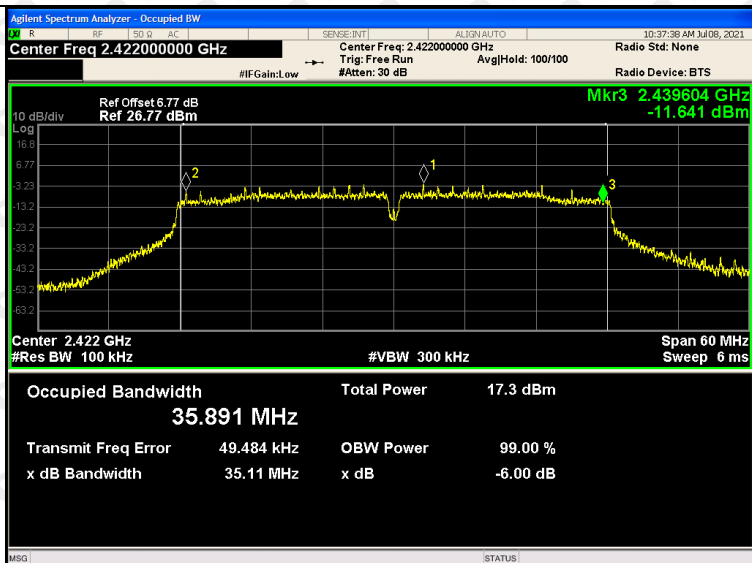
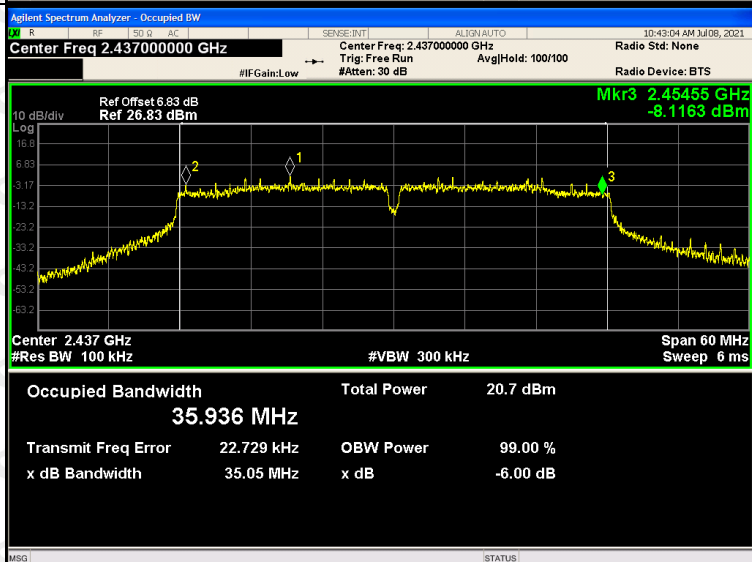
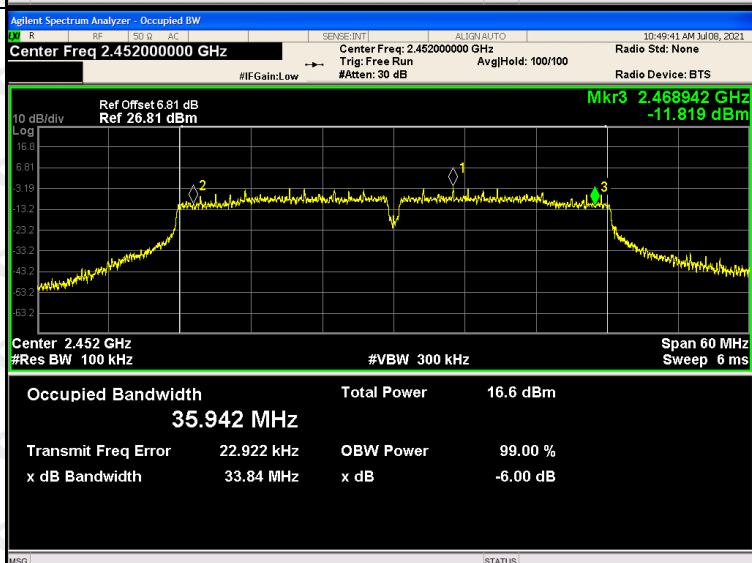
802.11g/MCH



802.11g/HCH



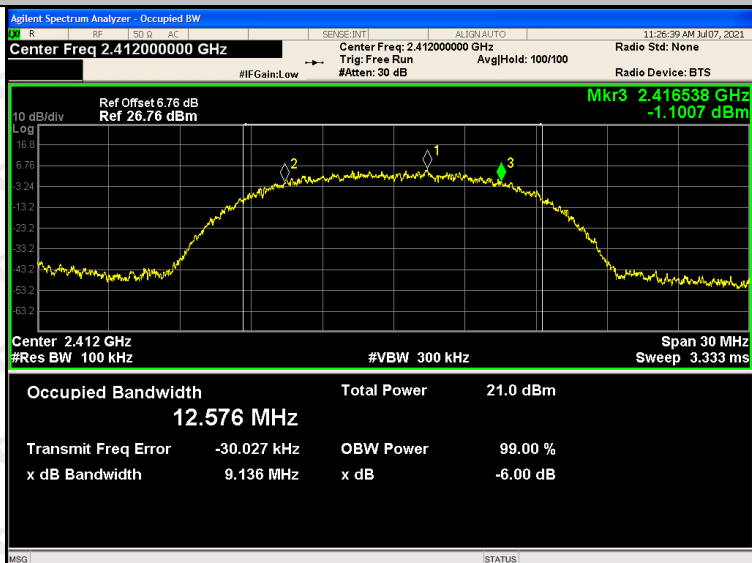
802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.41200000 GHz Ref Offset: 6.76 dB Ref: 26.76 dBm Occupied Bandwidth: 17.576 MHz Total Power: 17.7 dBm Transmit Freq Error: 1.581 kHz OBW Power: 99.00 % x dB Bandwidth: 13.75 MHz x dB: -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Ref Offset: 6.83 dB Ref: 26.83 dBm Occupied Bandwidth: 17.578 MHz Total Power: 20.2 dBm Transmit Freq Error: -10.016 kHz OBW Power: 99.00 % x dB Bandwidth: 15.08 MHz x dB: -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.46200000 GHz Ref Offset: 6.8 dB Ref: 26.80 dBm Occupied Bandwidth: 17.607 MHz Total Power: 17.0 dBm Transmit Freq Error: 689 Hz OBW Power: 99.00 % x dB Bandwidth: 17.54 MHz x dB: -6.00 dB

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

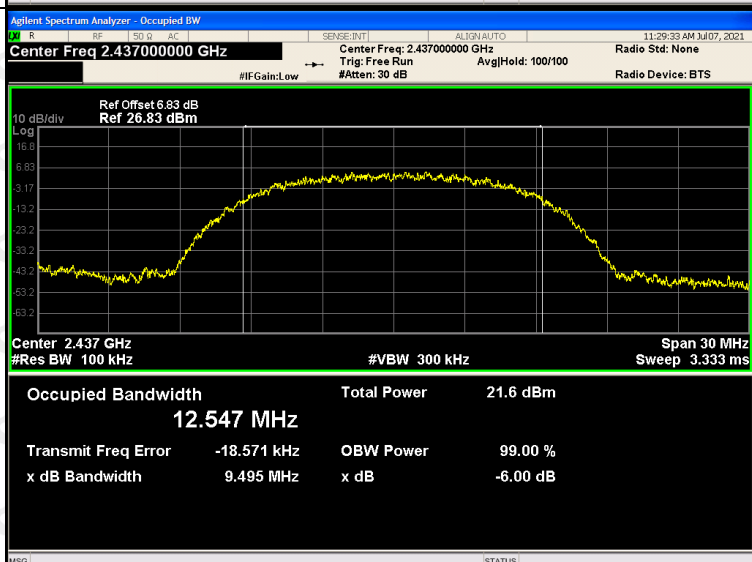
Test Graph:
ANT 2

Graphs

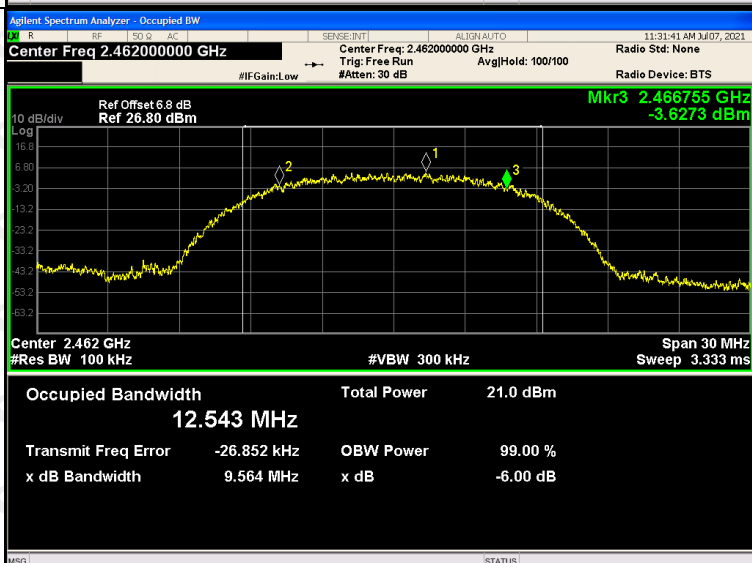
802.11b /LCH



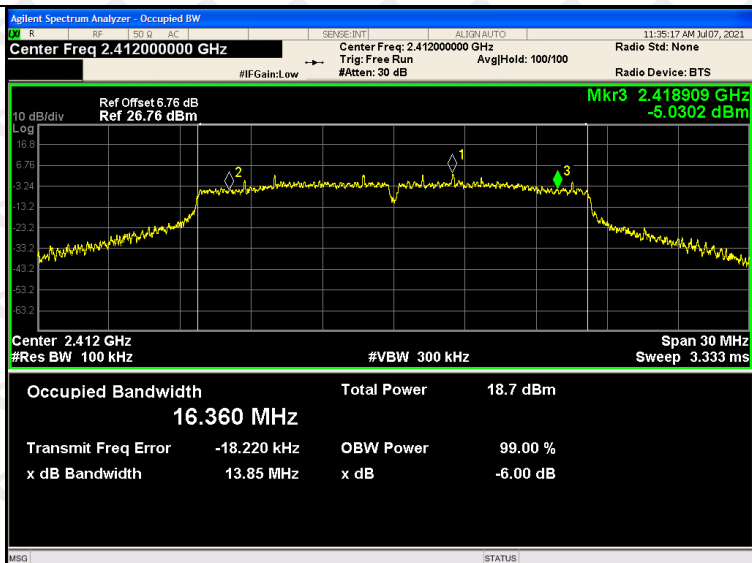
802.11b /MCH



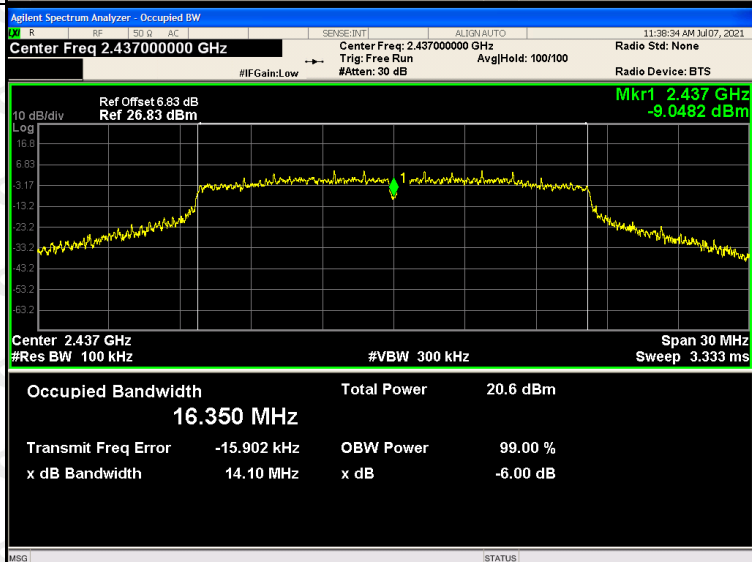
802.11b/HCH



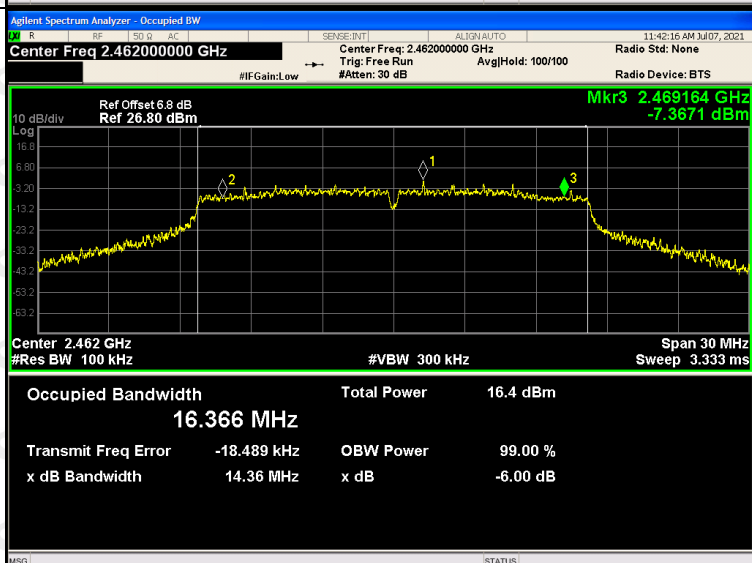
802.11g/LCH

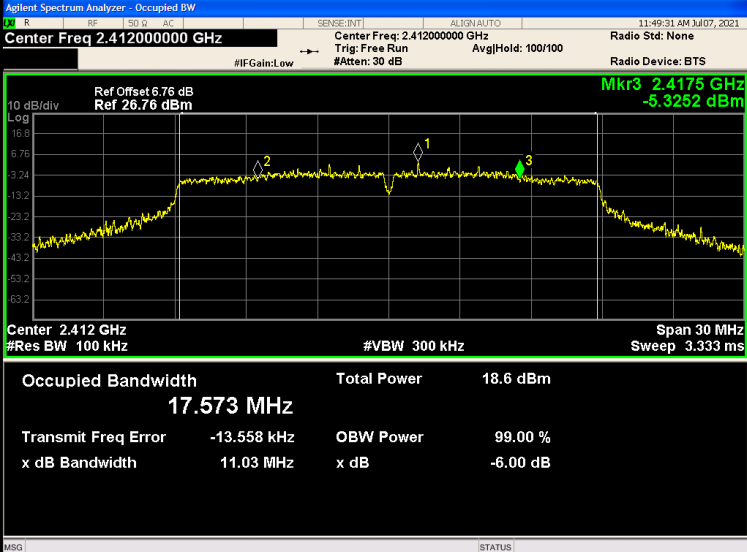
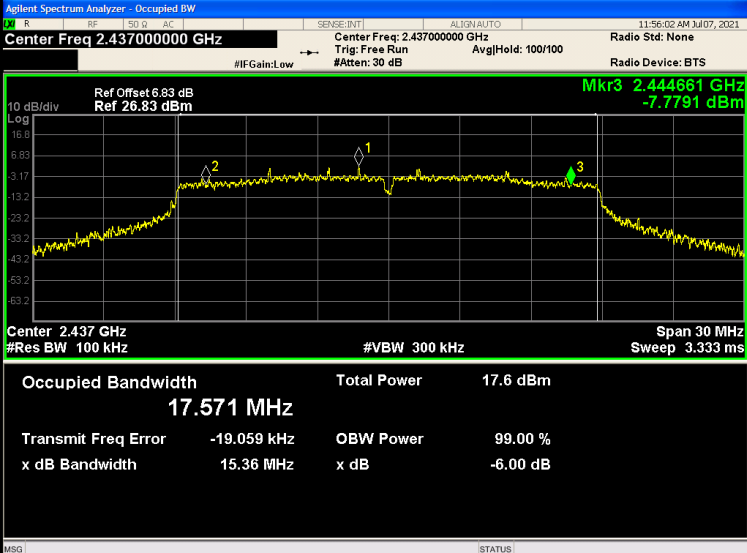
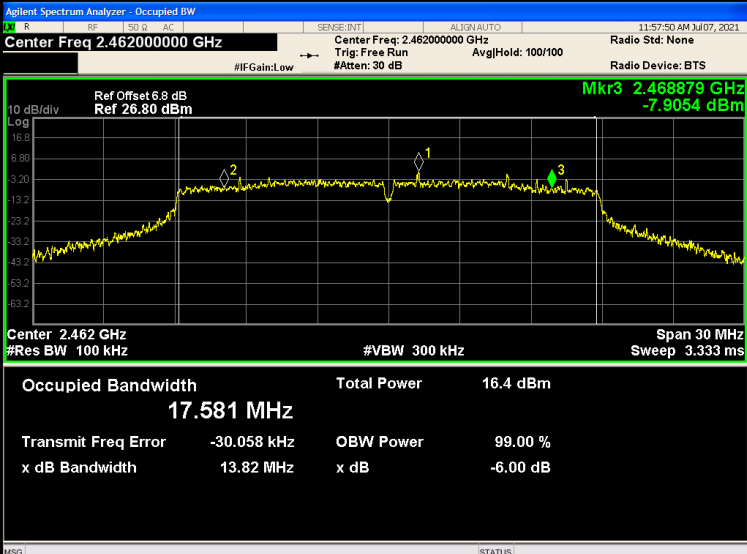


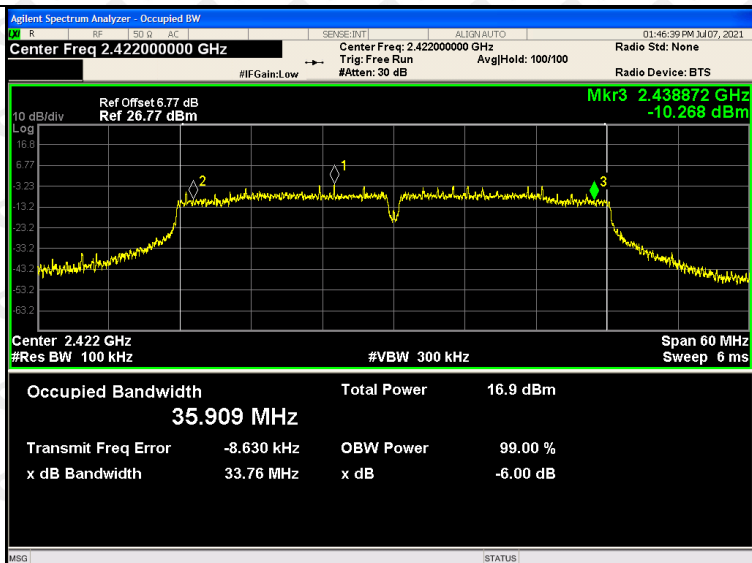
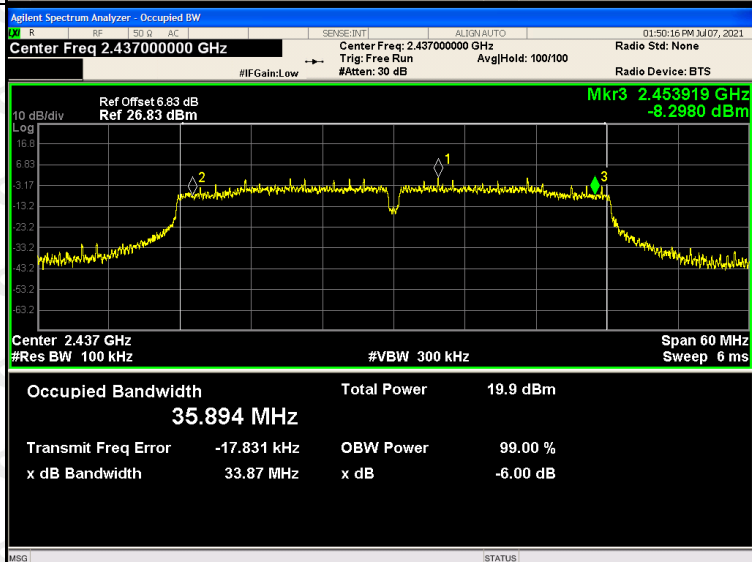
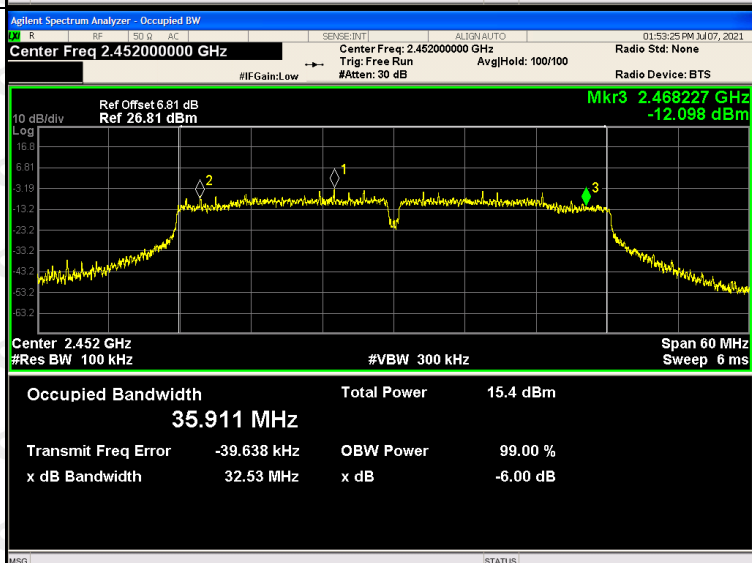
802.11g/MCH



802.11g/HCH

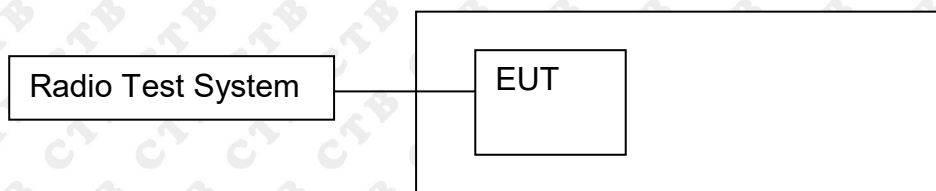


802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.41200000 GHz Ref Offset: 6.76 dB Ref: 26.76 dBm Occupied Bandwidth: 17.573 MHz Total Power: 18.6 dBm Transmit Freq Error: -13.558 kHz OBW Power: 99.00 % x dB Bandwidth: 11.03 MHz x dB: -6.00 dB
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.43700000 GHz Ref Offset: 6.83 dB Ref: 26.83 dBm Occupied Bandwidth: 17.571 MHz Total Power: 17.6 dBm Transmit Freq Error: -19.059 kHz OBW Power: 99.00 % x dB Bandwidth: 15.36 MHz x dB: -6.00 dB
802.11n(HT20)/HC H	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.46200000 GHz Ref Offset: 6.8 dB Ref: 26.80 dBm Occupied Bandwidth: 17.581 MHz Total Power: 16.4 dBm Transmit Freq Error: -30.058 kHz OBW Power: 99.00 % x dB Bandwidth: 13.82 MHz x dB: -6.00 dB

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 = RMS.
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

ANT 1+ ANT 2

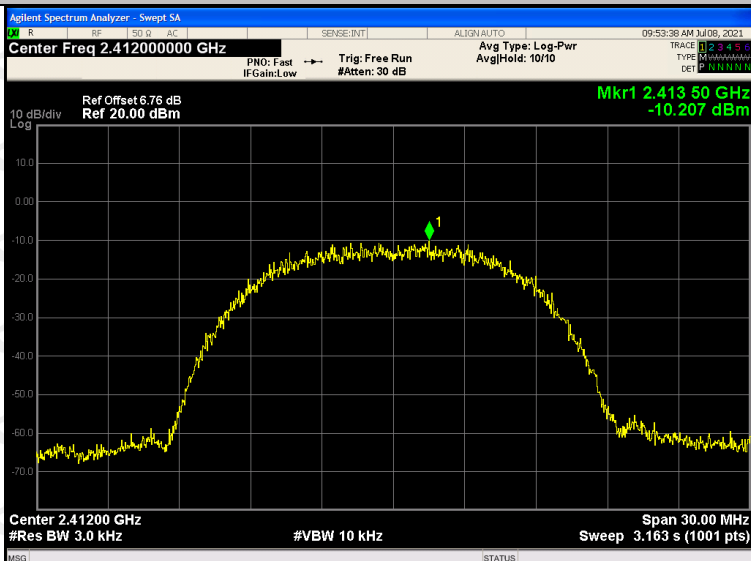
Mode	Channel.	Power Spectral Density (dBm/3KHz) ANT 1	Power Spectral Density (dBm/3KHz)ANT 2	Carrier Frequency Separation [MHz] Total	Limit(dBm)
802.11b	LCH	-10.207	-9.437	/	8
	MCH	-9.821	-8.955	/	8
	HCH	-9.823	-9.948	/	8
802.11g	LCH	-12.659	-12.199	/	8
	MCH	-10.144	-10.218	/	8
	HCH	-13.289	-13.699	/	8
802.11n(H T20)	LCH	-12.701	-12.066	-9.362	8
	MCH	-9.9	-11.715	-7.703	8
	HCH	-13.453	-13.306	-10.369	8
802.11n(H T40)	LCH	-15.466	-15.411	-12.428	8
	MCH	-12.191	-11.766	-8.963	8
	HCH	-16.3	-16.934	-13.595	8

Test Graph:

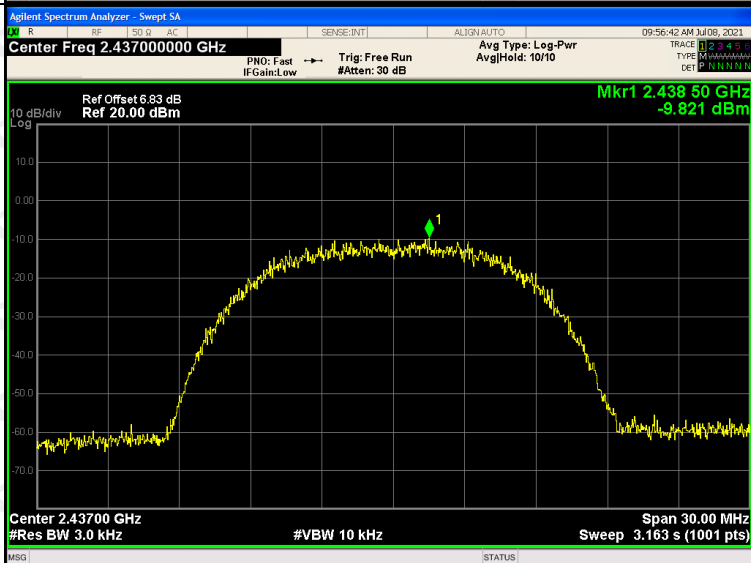
ANT 1

Graphs

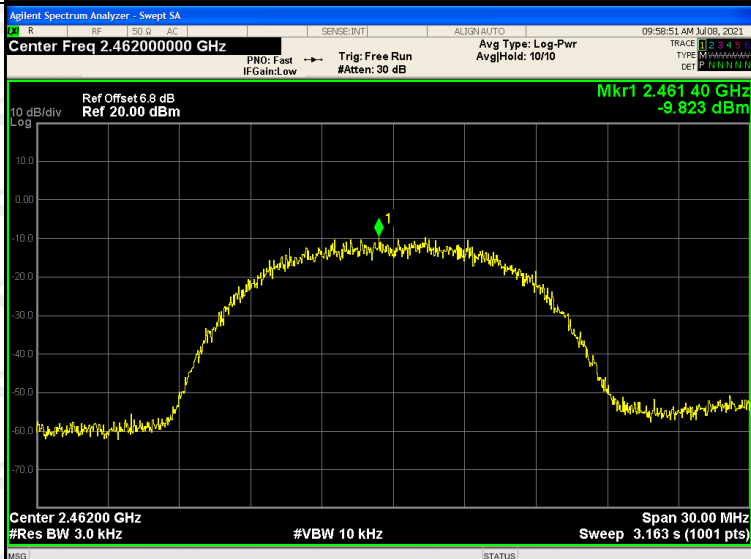
802.11b /LCH



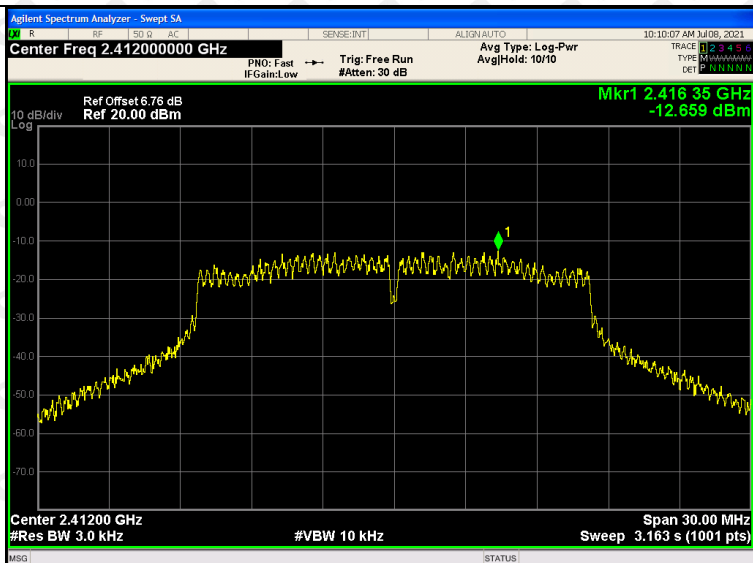
802.11b /MCH



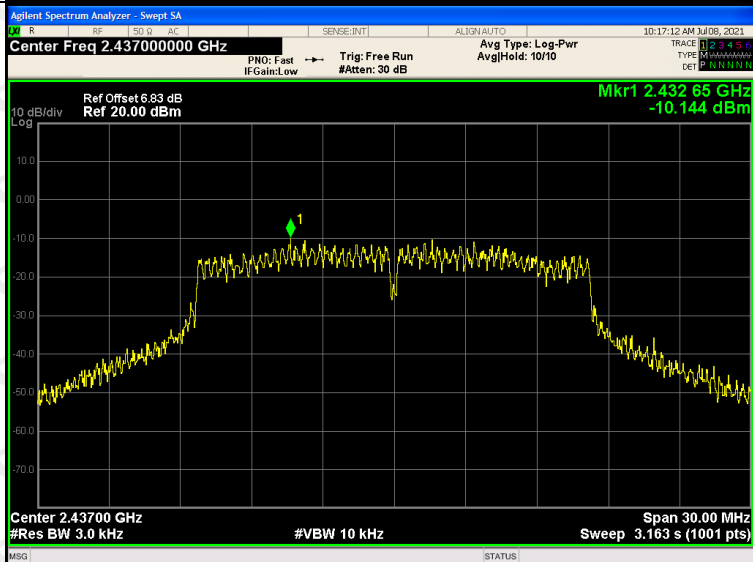
802.11b/HCH



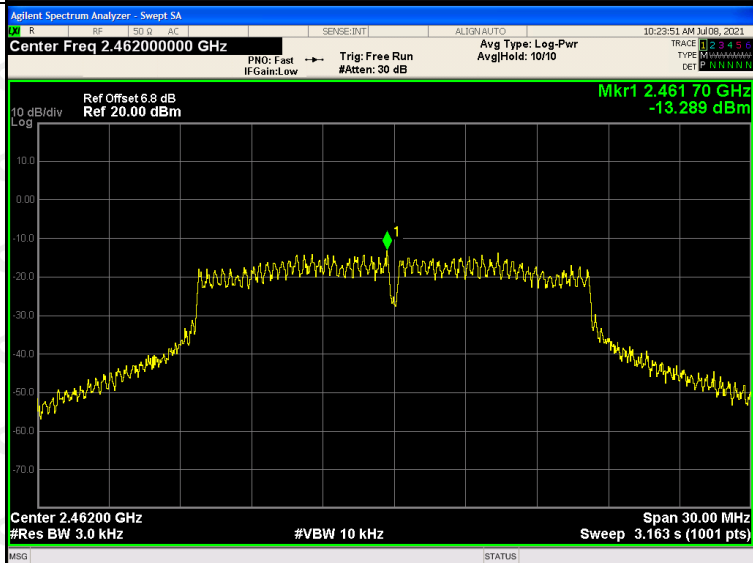
802.11g/LCH

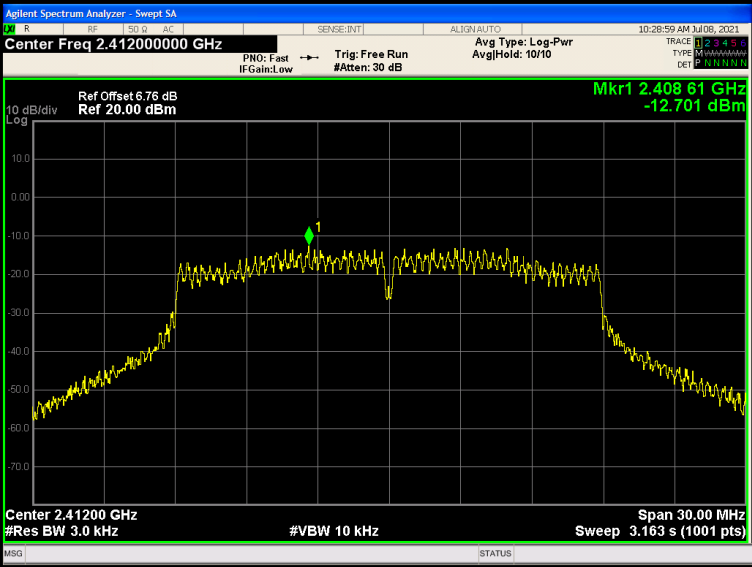
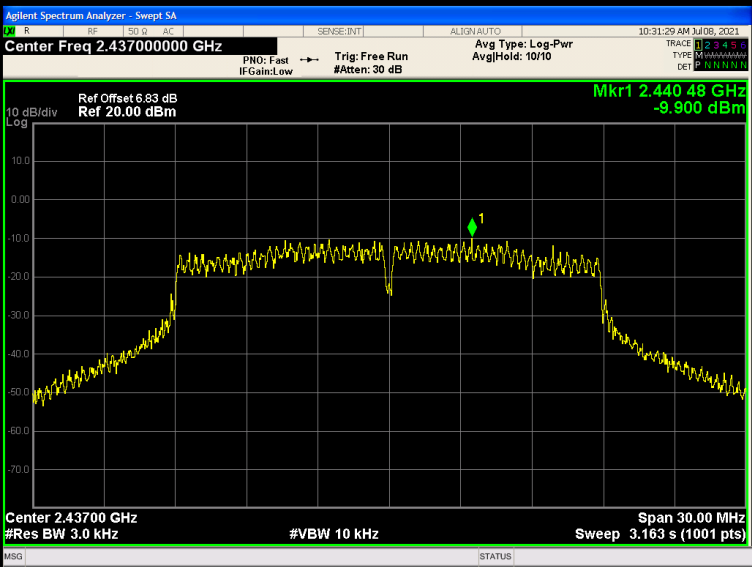
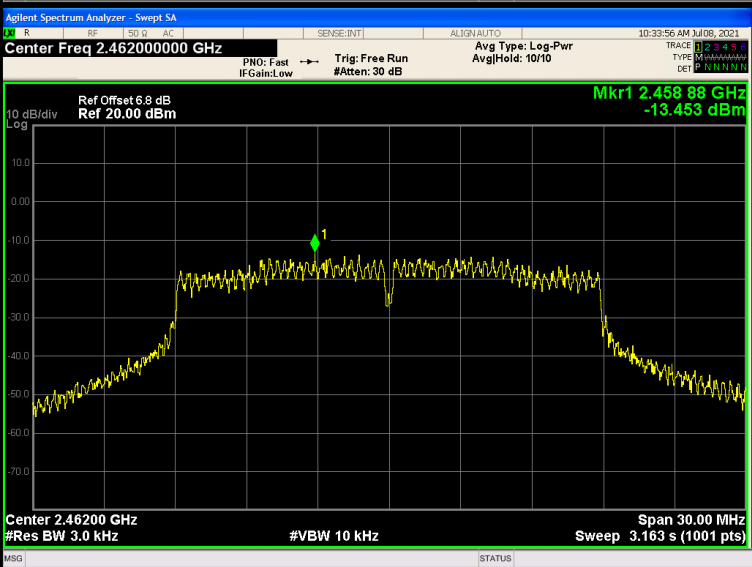


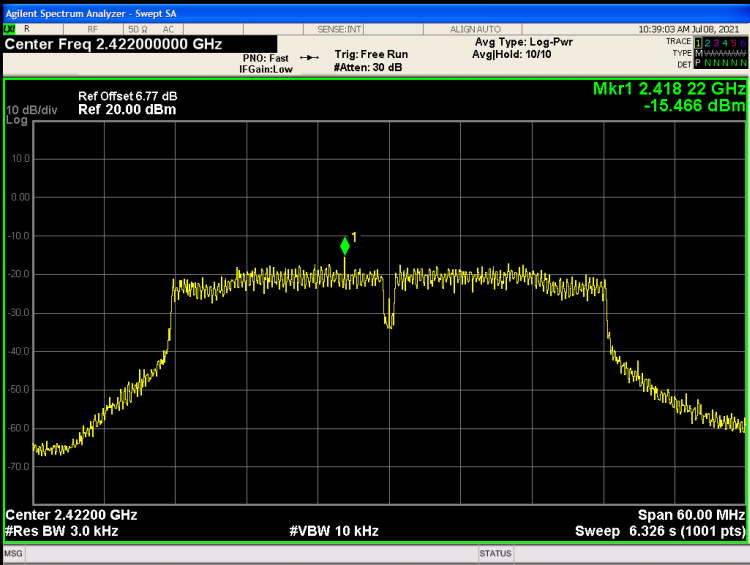
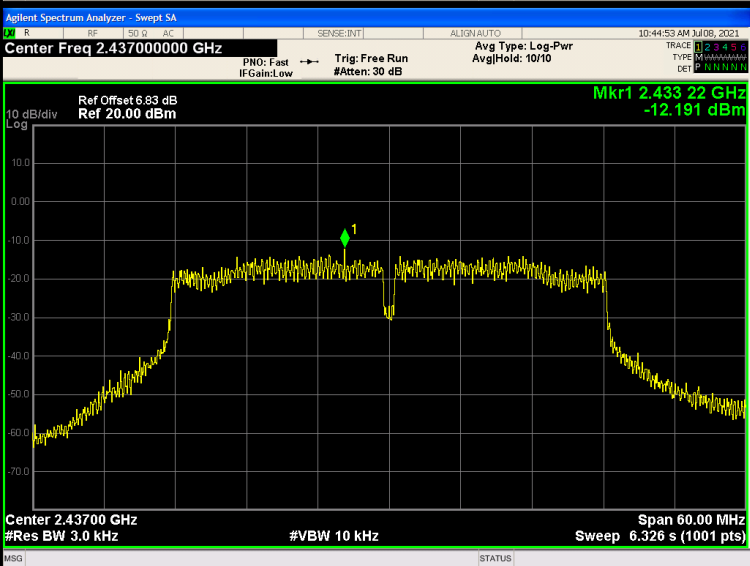
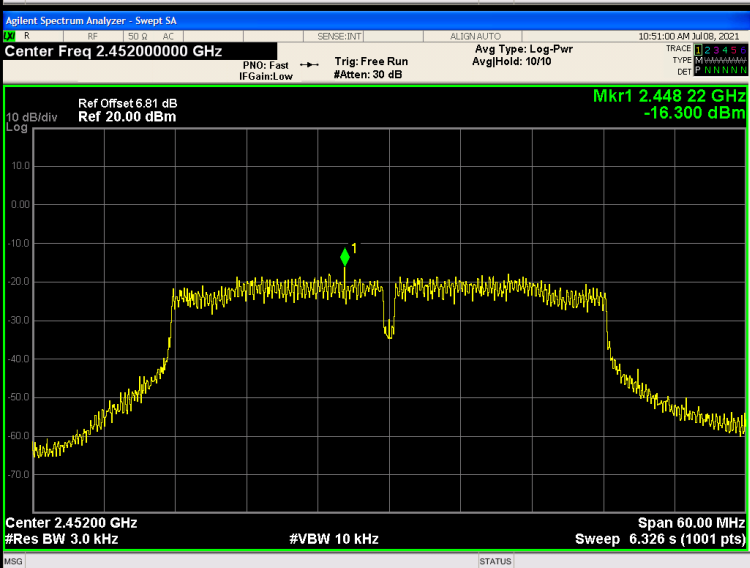
802.11g/MCH



802.11g/HCH



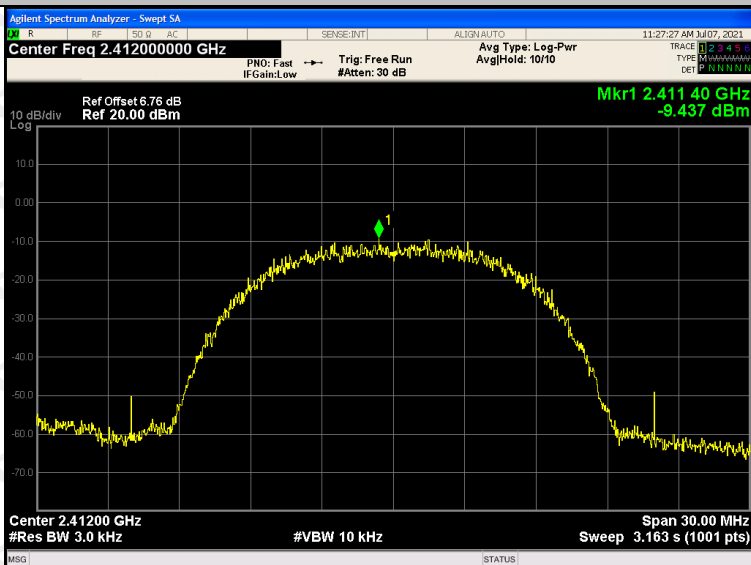
802.11n(HT20)/LC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.41200000 GHz Ref Offset 6.76 dB Ref 20.00 dBm Mkr1 2.408 61 GHz -12.701 dBm Center 2.41200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 30.00 MHz Sweep 3.163 s (1001 pts)
802.11n(HT20)/MC H	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.43700000 GHz Ref Offset 6.83 dB Ref 20.00 dBm Mkr1 2.440 48 GHz -9.900 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 6.8 dB Ref 20.00 dBm Mkr1 2.458 88 GHz -13.453 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 2.42200000 GHz Ref Offset 6.77 dB Ref 20.00 dBm Mkr1 2.418 22 GHz -15.466 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 2.43700000 GHz Ref Offset 6.83 dB Ref 20.00 dBm Mkr1 2.433 22 GHz -12.191 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 2.45200000 GHz Ref Offset 6.81 dB Ref 20.00 dBm Mkr1 2.448 22 GHz -16.300 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 60.00 MHz Sweep 6.326 s (1001 pts)

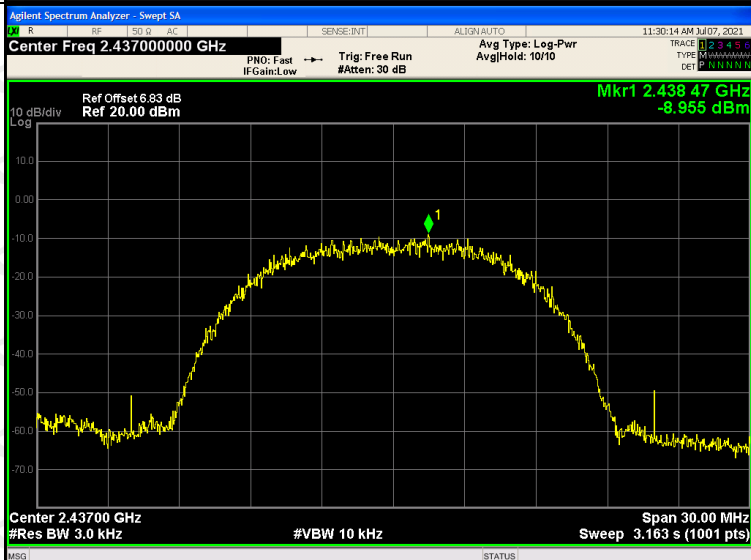
ANT 2

Graphs

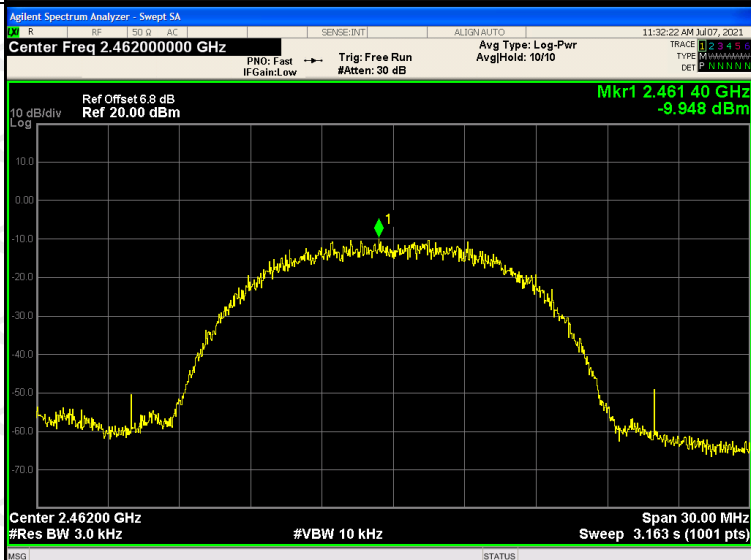
802.11b /LCH



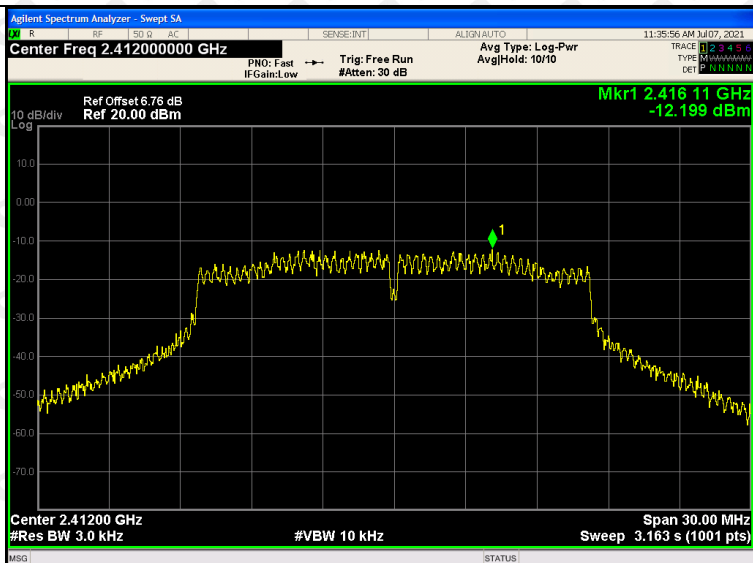
802.11b /MCH



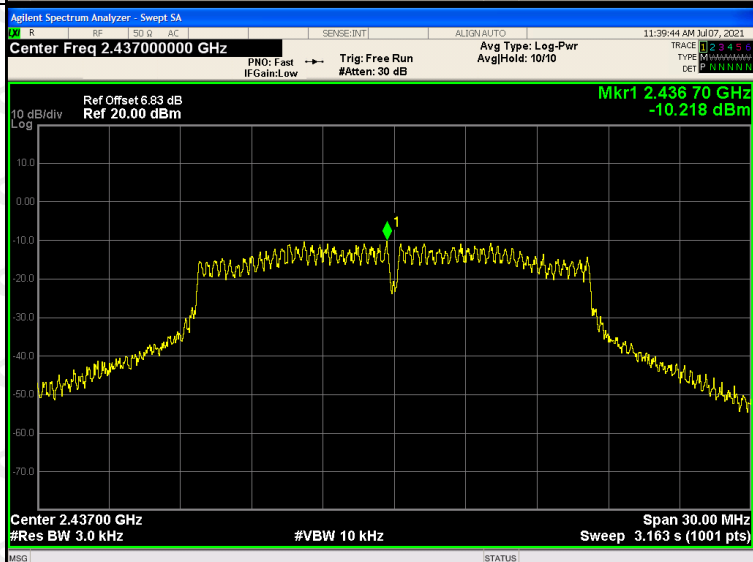
802.11b/HCH



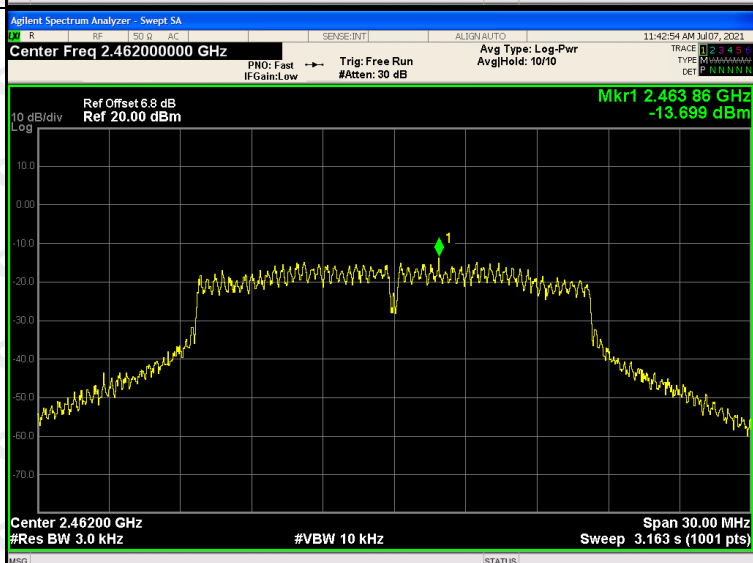
802.11g/LCH



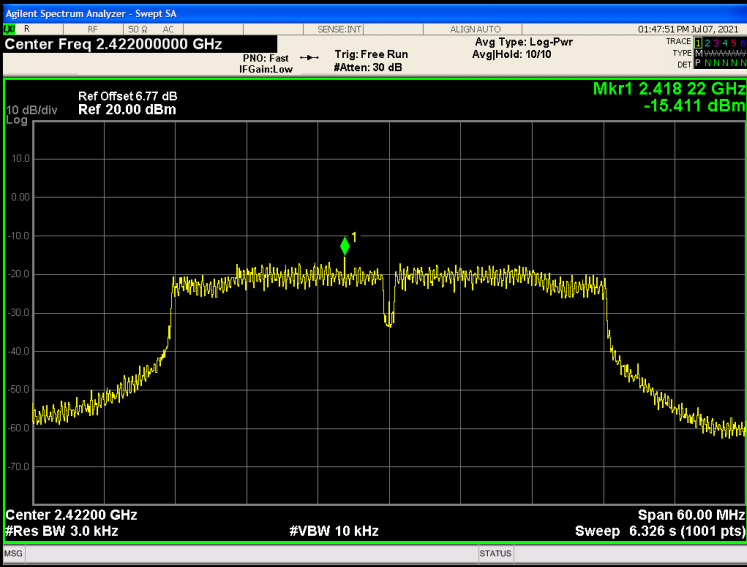
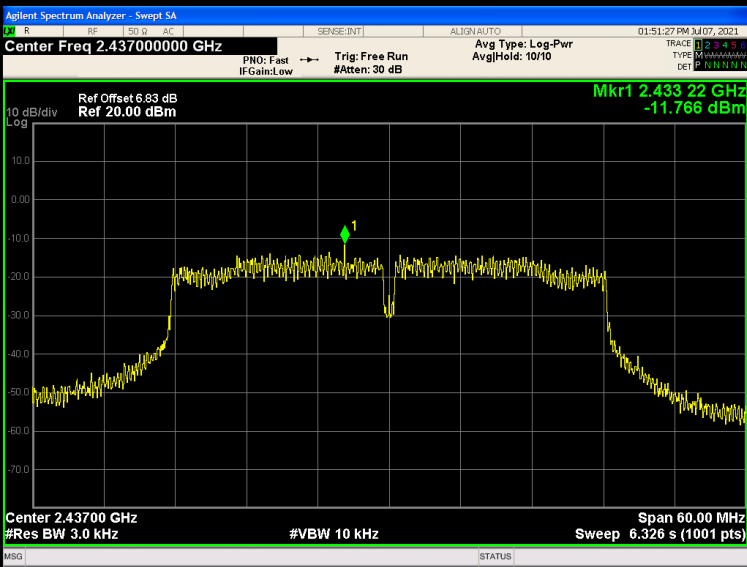
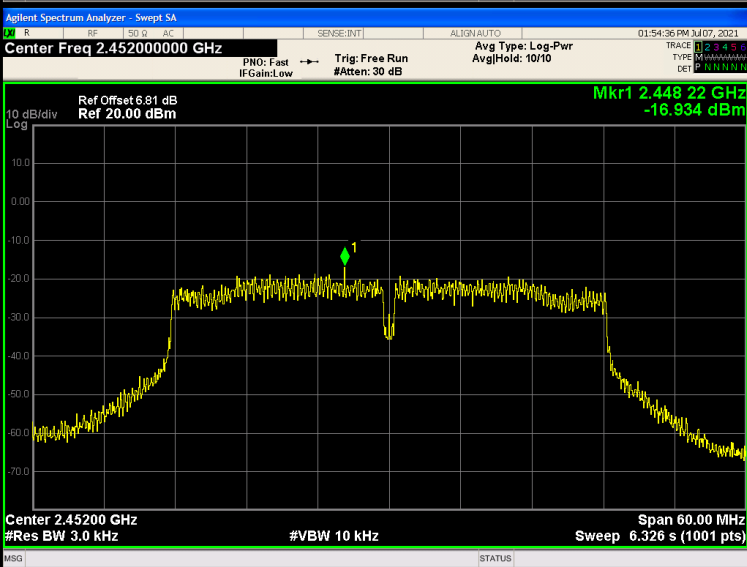
802.11g/MCH



802.11g/HCH



802.11n(HT20)/LC H	Agilent Spectrum Analyzer - Swept SA Center Freq 2.41200000 GHz Ref Offset 6.76 dB Ref 20.00 dBm Mkr1 2.40888 GHz -12.066 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 6.83 dB Ref 20.00 dBm Mkr1 2.44008 GHz -11.715 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 6.8 dB Ref 20.00 dBm Mkr1 2.46323 GHz -13.306 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 2.42200000 GHz Ref Offset 6.77 dB Ref 20.00 dBm Mkr1 2.418 22 GHz -15.411 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 2.43700000 GHz Ref Offset 6.83 dB Ref 20.00 dBm Mkr1 2.433 22 GHz -11.766 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 2.45200000 GHz Ref Offset 6.81 dB Ref 20.00 dBm Mkr1 2.448 22 GHz -16.934 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 Internal Antenna and no consideration of replacement. The best case gain of the antenna is 1.0dBi.

13. EUT PHOTOGRAPHS

EUT Photo 1



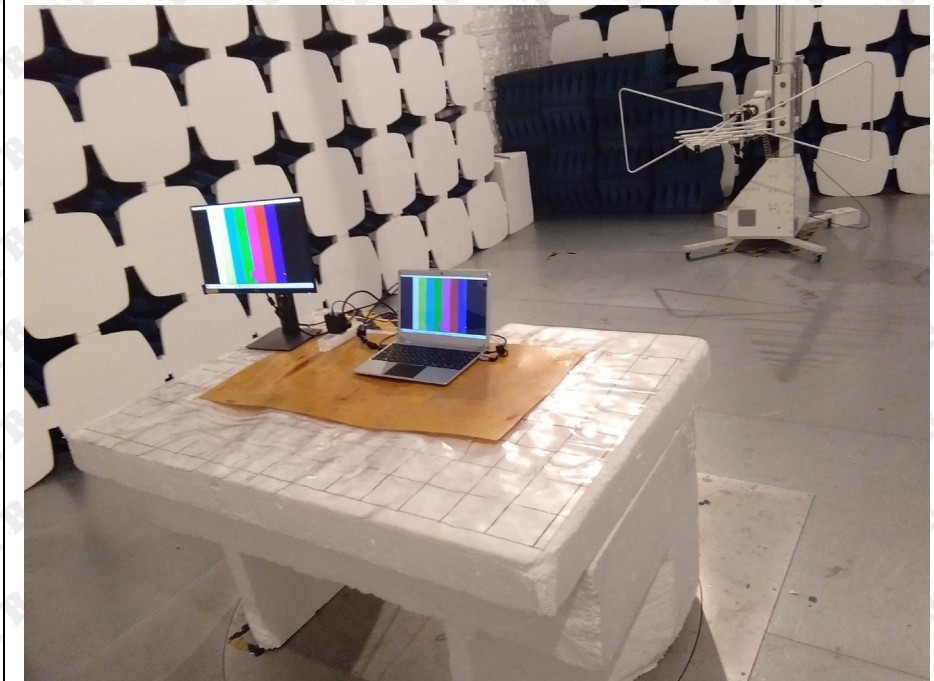
EUT Photo 2



14. EUT TEST SETUP PHOTOGRAPHS

Radiated Emissions

Below 1G



Above 1G



Conducted Emissions



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