

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Legends Ultimate Home Arcade

Trade Mark: N/A

Test Model: HA8801S

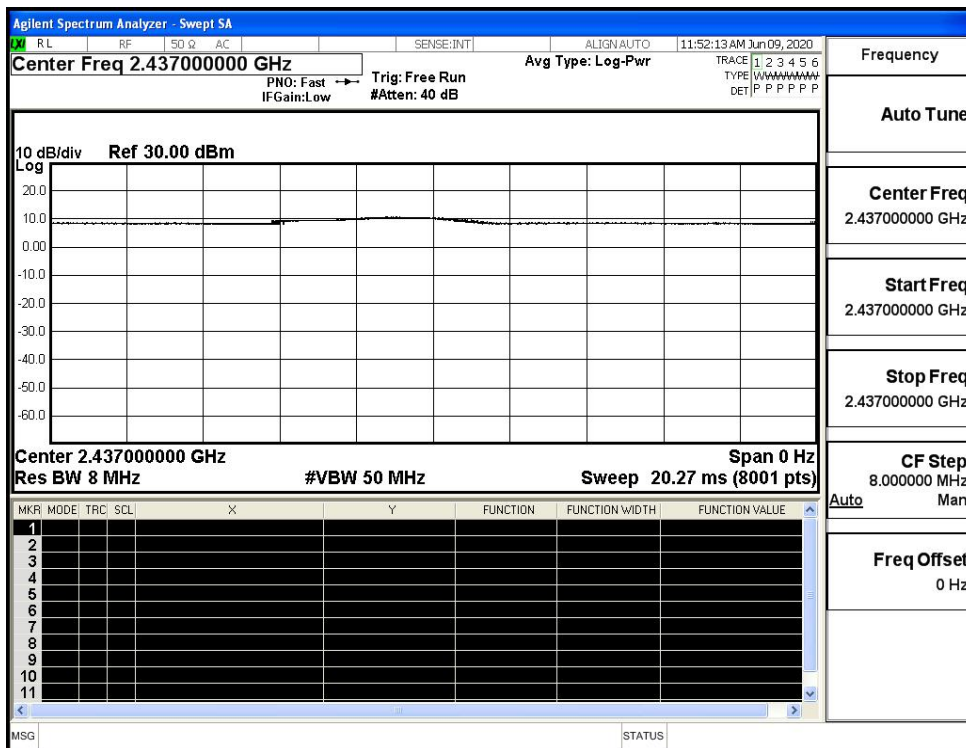
Environmental Conditions

Temperature:	23.7 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	LiHuan

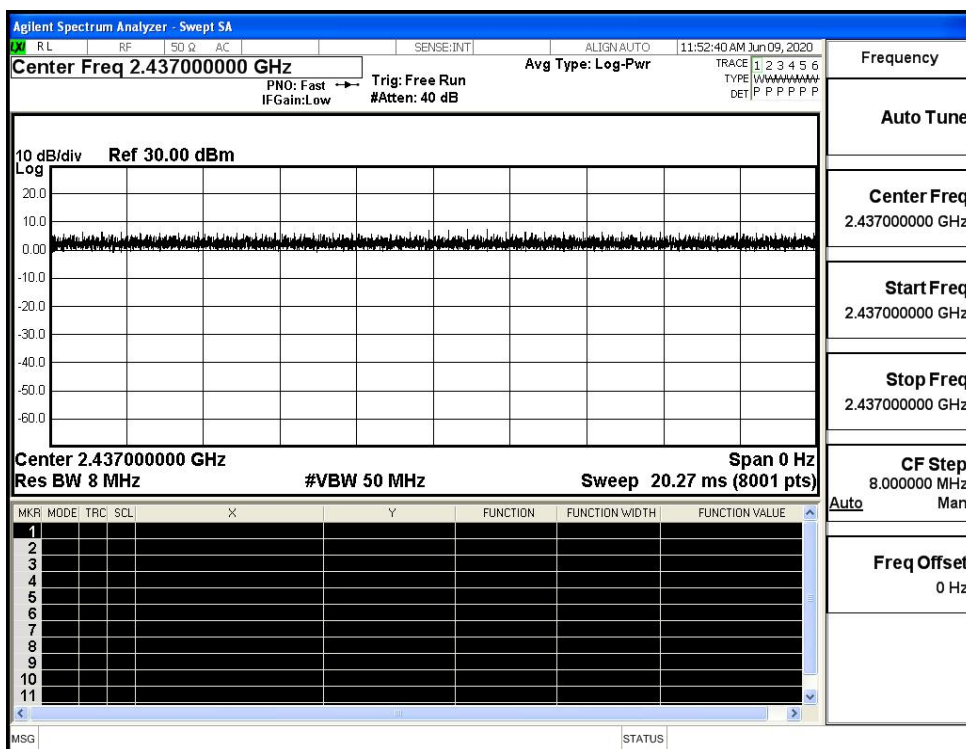
C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

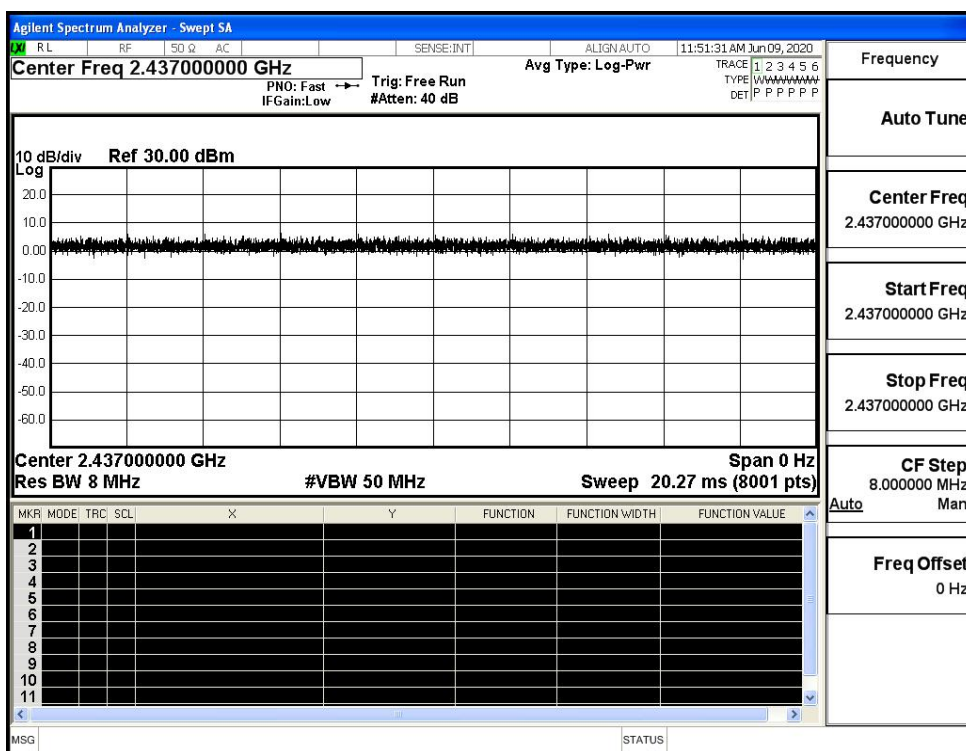
Duty Cycle_11B_2437_Ant1



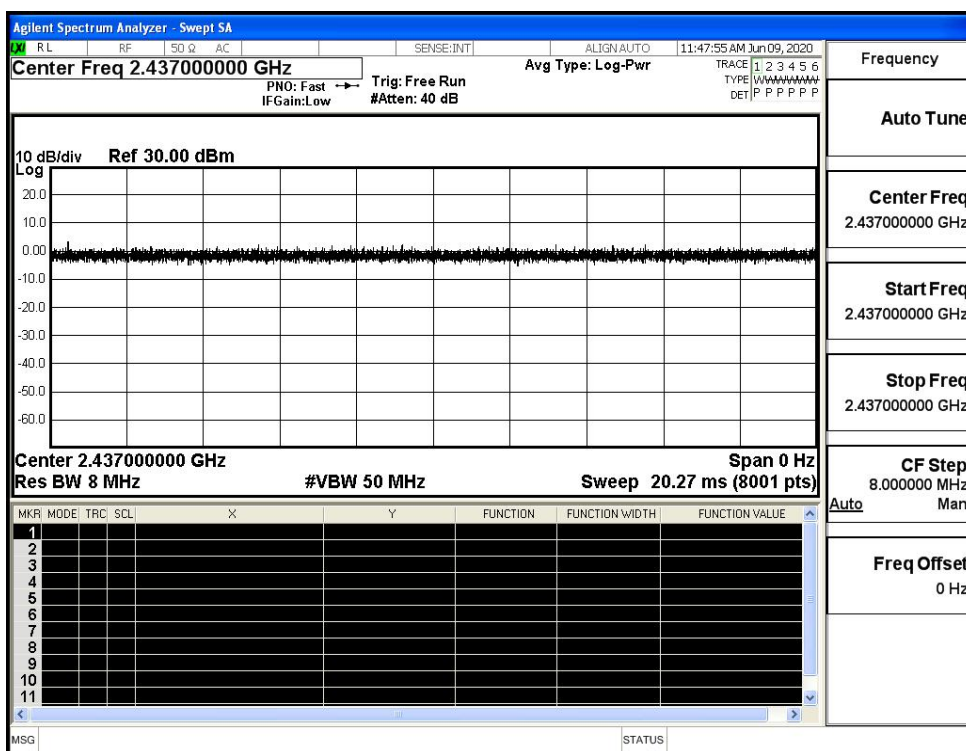
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

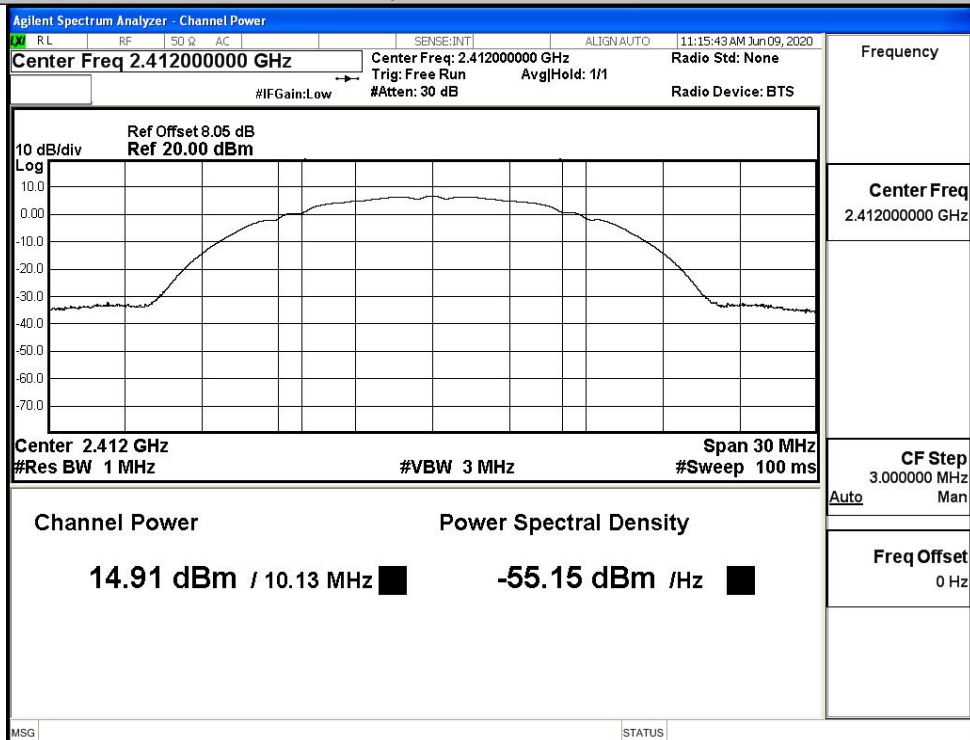


C.2 Maximum Conducted Output Power

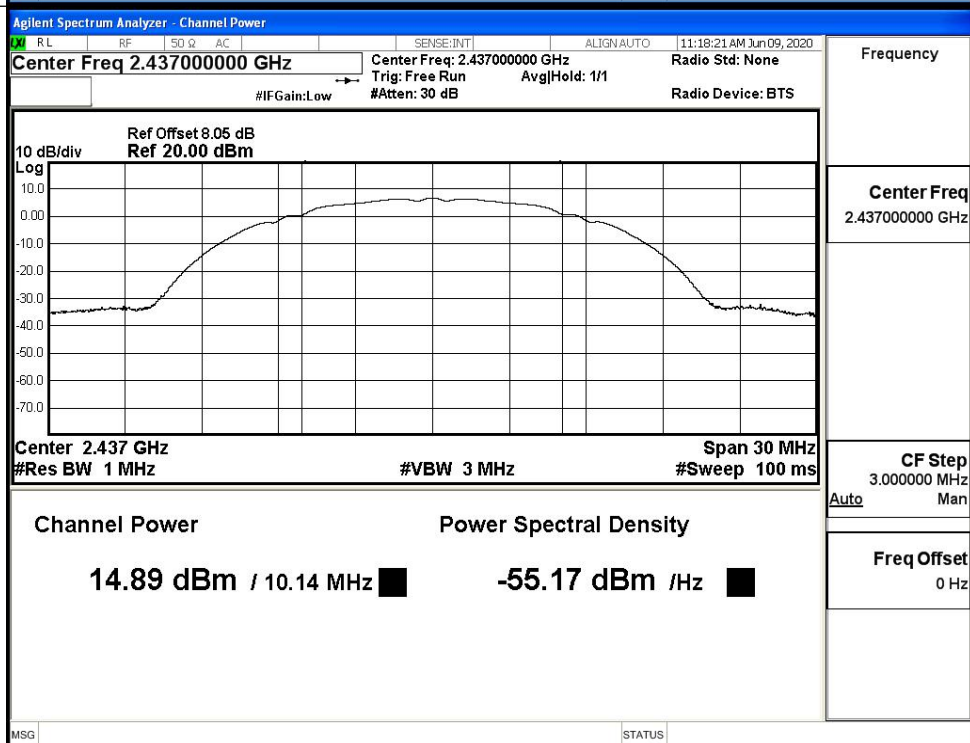
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	14.91	30	PASS
	MCH	14.89	30	PASS
	HCH	14.52	30	PASS
11G	LCH	14.74	30	PASS
	MCH	14.89	30	PASS
	HCH	14.51	30	PASS
11N20SISO	LCH	14.83	30	PASS
	MCH	14.49	30	PASS
	HCH	14.05	30	PASS
11N40SISO	LCH	14.38	30	PASS
	MCH	13.75	30	PASS
	HCH	13.92	30	PASS

Test Graphs

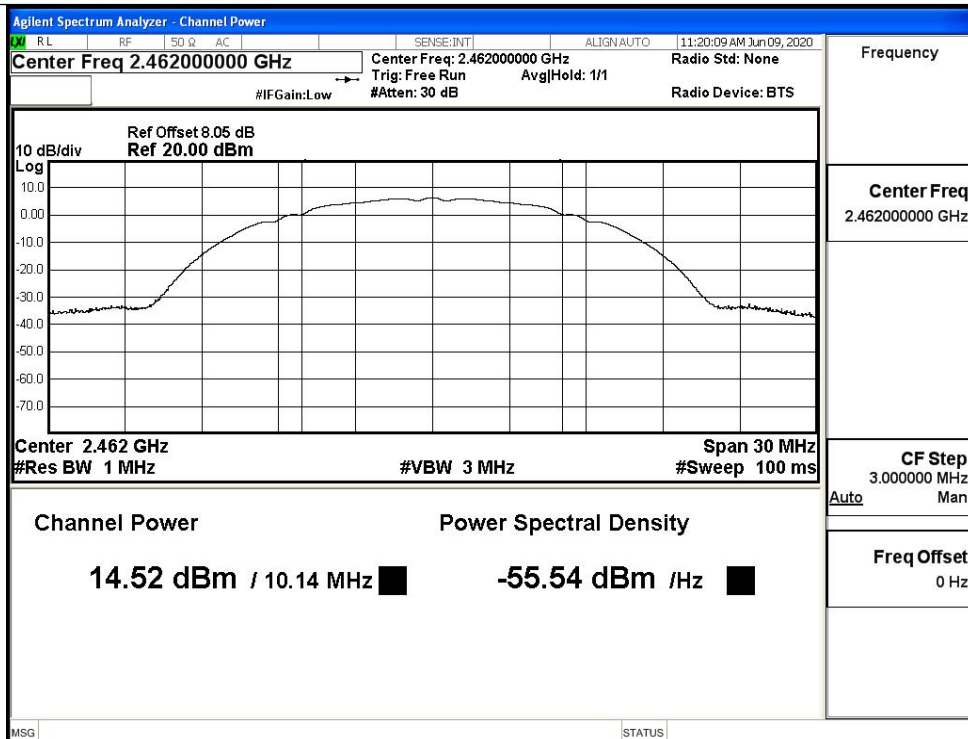
11B/LCH



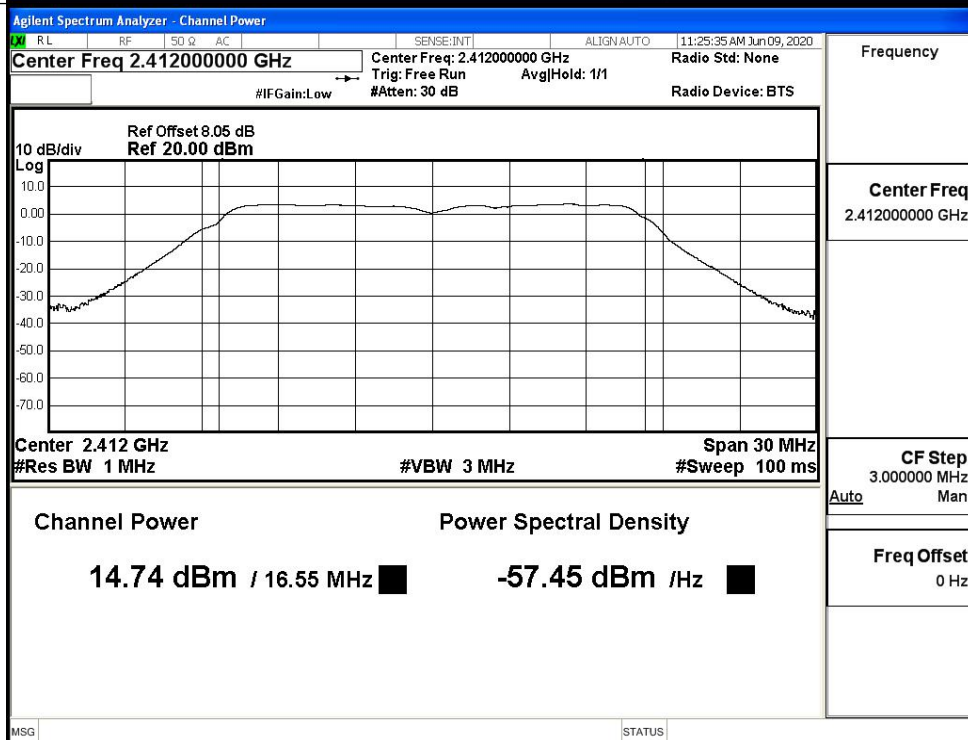
11B/MCH



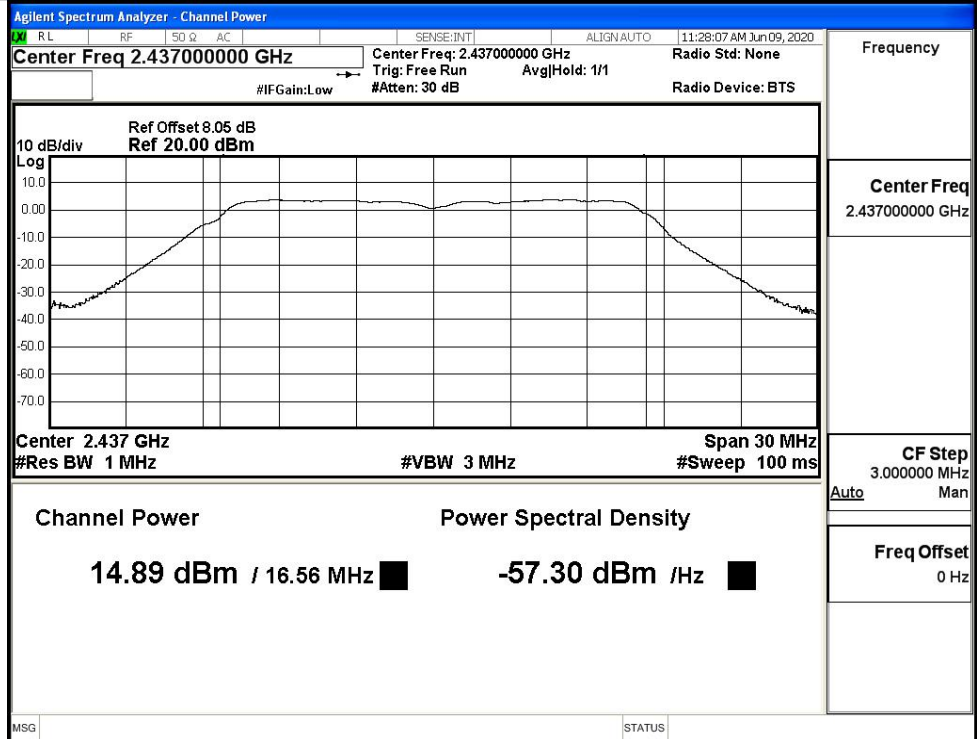
11B/HCH



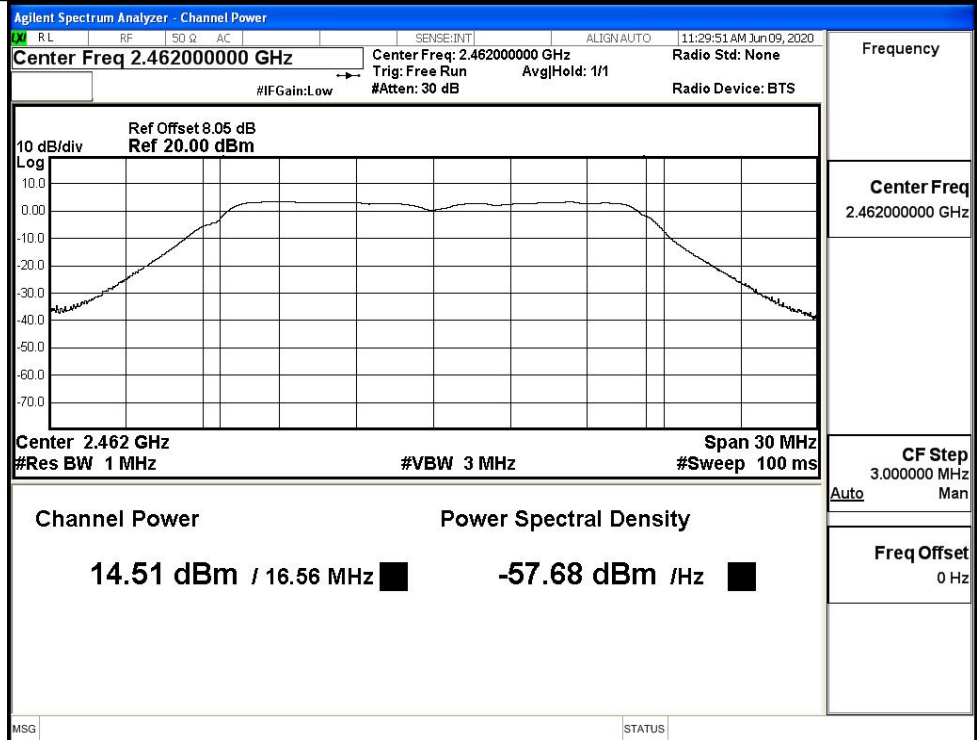
11G/LCH



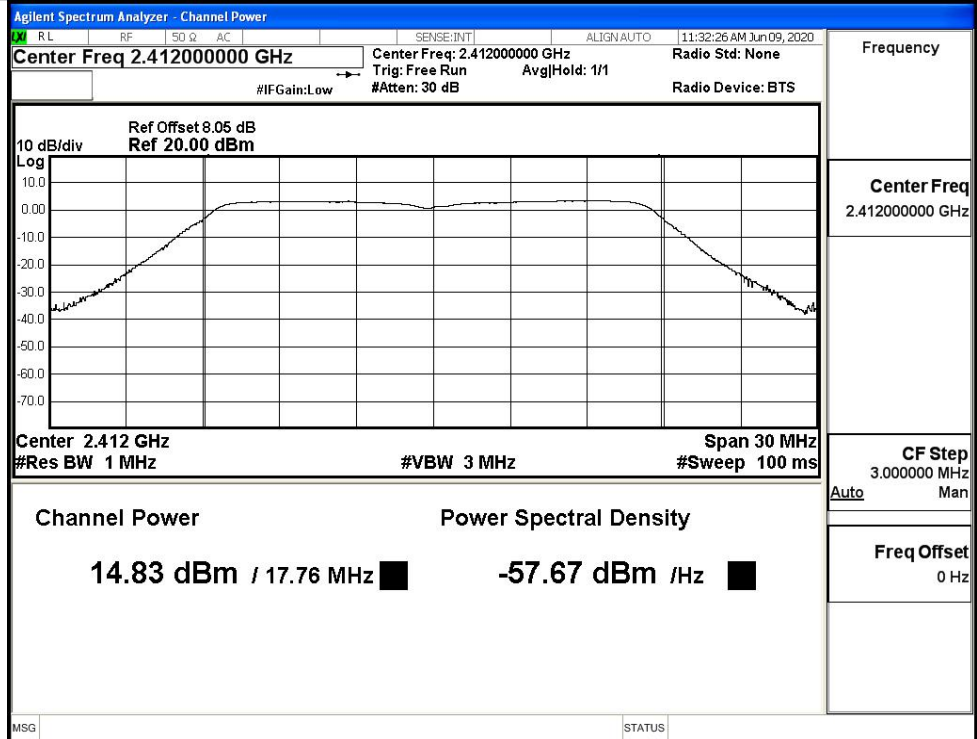
11G/MCH



11G/HCH



11N20SISO/LCH



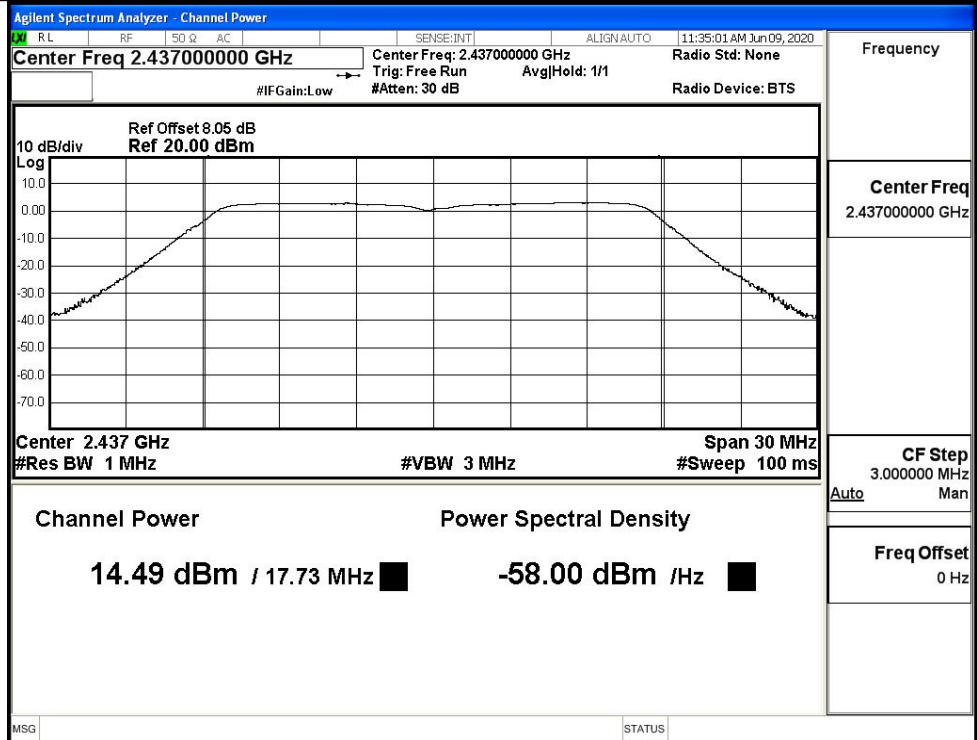
Frequency

Center Freq
2.412000000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

11N20SISO/MCH



Frequency

Center Freq
2.437000000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 2.46200000 GHz

Center Freq: 2.462000000 GHz
Trig: Free Run
AvalHold: 1/1
#IFGain: Low
#Atten: 30 dB

Radio Std: None
Radio Device: BTS

11N20SISO/HCH

Ref Offset 8.05 dB
Ref 20.00 dBm

10 dB/div
Log

Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 30 MHz
#Sweep 100 ms

Channel Power
14.05 dBm / 17.72 MHz

Power Spectral Density
-58.44 dBm /Hz

Frequency
Center Freq
2.462000000 GHz

CF Step
3.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Channel Power

Center Freq 2.42200000 GHz

Center Freq: 2.422000000 GHz
Trig: Free Run
AvalHold: 1/1
#IFGain: Low
#Atten: 30 dB

Radio Std: None
Radio Device: BTS

11N40SISO/LCH

Ref Offset 8.05 dB
Ref 20.00 dBm

10 dB/div
Log

Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
#Sweep 100 ms

Channel Power
14.38 dBm / 36.49 MHz

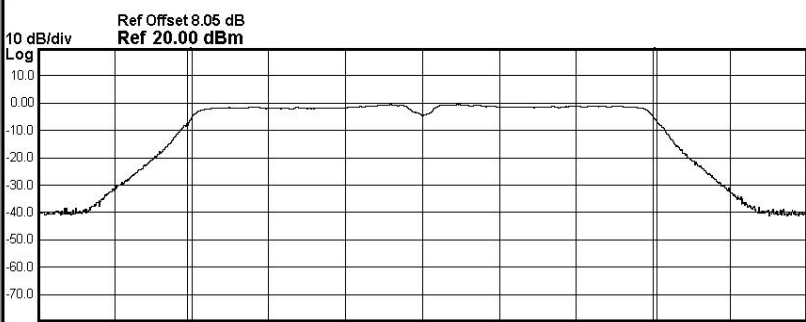
Power Spectral Density
-61.24 dBm /Hz

Frequency
Center Freq
2.422000000 GHz

CF Step
6.000000 MHz
Man

Freq Offset
0 Hz

MSG STATUS

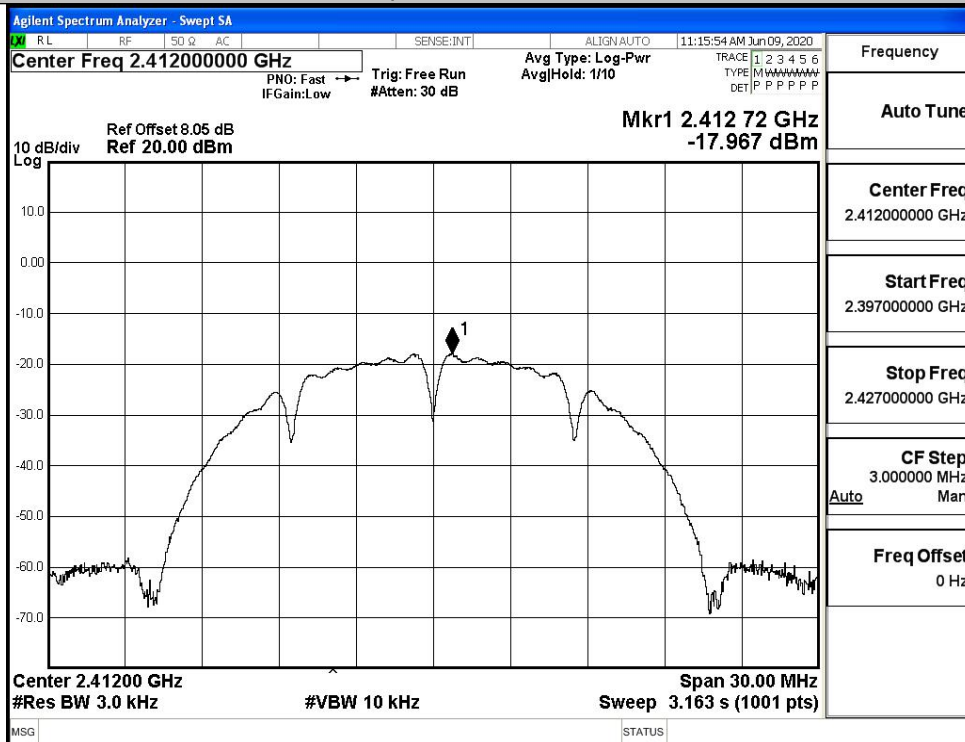
11N40SISO/MCH	Agilent Spectrum Analyzer - Channel Power Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run #IFGain: Low #Atten: 30 dB Avg Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 8.05 dB Ref 20.00 dBm  Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 60 MHz #Sweep 100 ms Channel Power 13.75 dBm / 36.48 MHz Power Spectral Density -61.87 dBm /Hz MSG STATUS Frequency Center Freq 2.437000000 GHz CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz
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C.3 Maximum Power Spectral Density

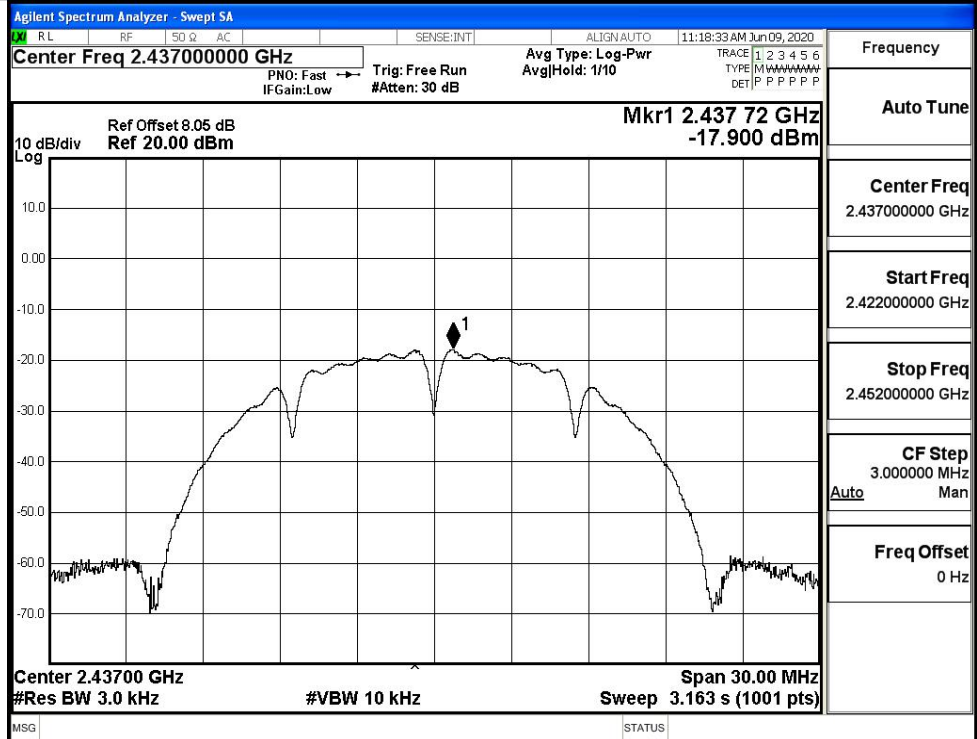
Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-17.967	8	PASS
	MCH	-17.900	8	PASS
	HCH	-18.246	8	PASS
11G	LCH	-21.404	8	PASS
	MCH	-21.266	8	PASS
	HCH	-21.318	8	PASS
11N20SISO	LCH	-21.059	8	PASS
	MCH	-21.144	8	PASS
	HCH	-22.458	8	PASS
11N40SISO	LCH	-24.007	8	PASS
	MCH	-23.609	8	PASS
	HCH	-24.196	8	PASS

Test Graphs

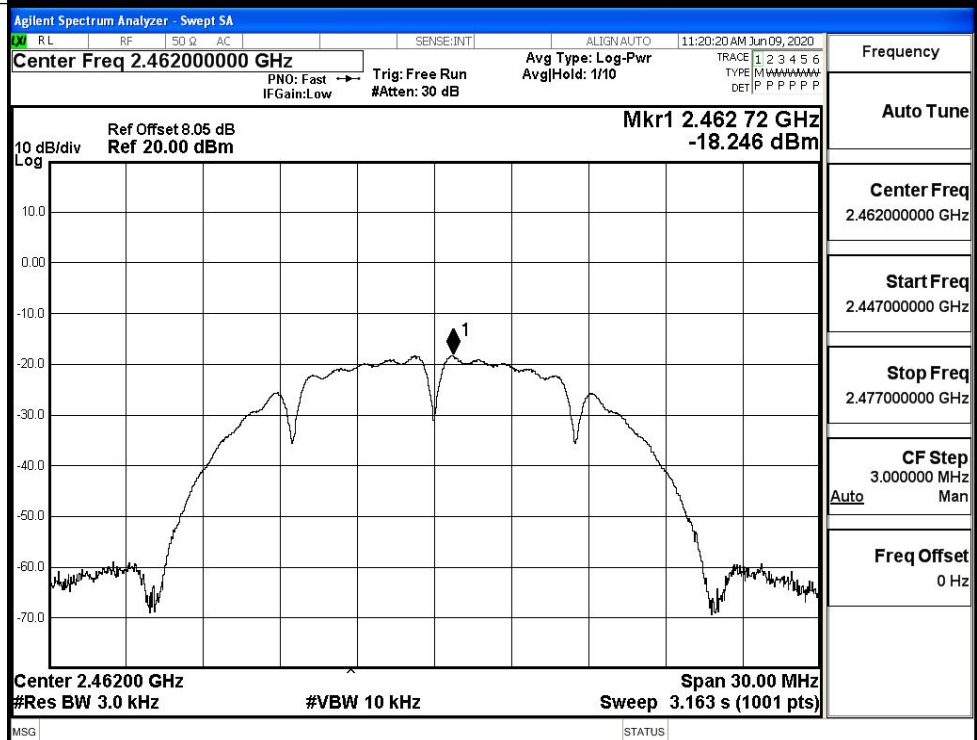
11B/LCH



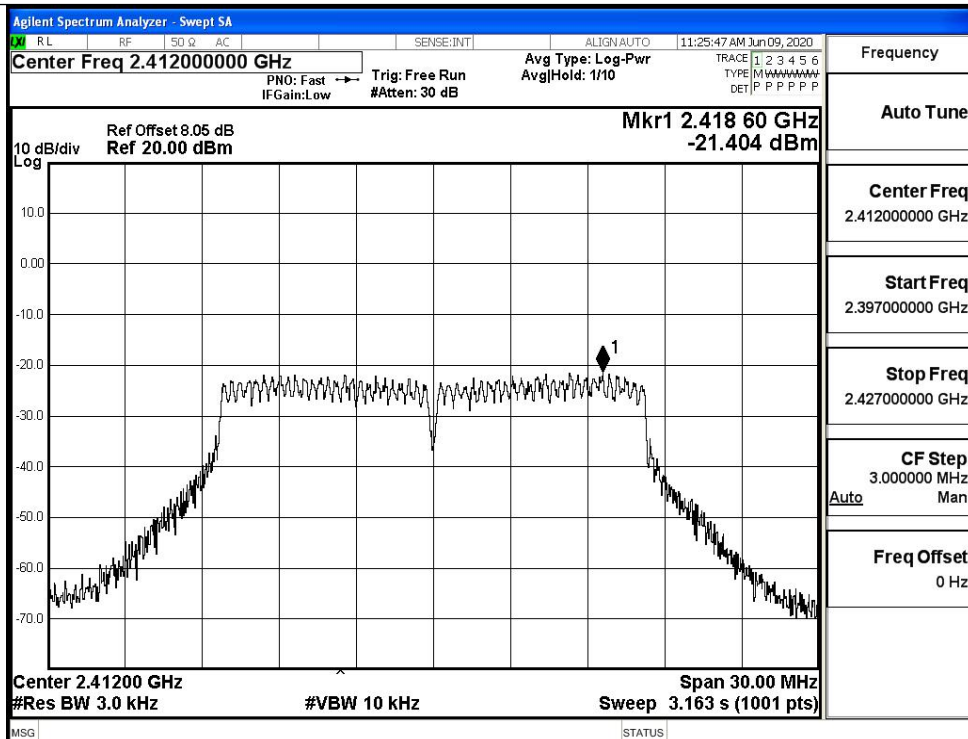
11B/MCH



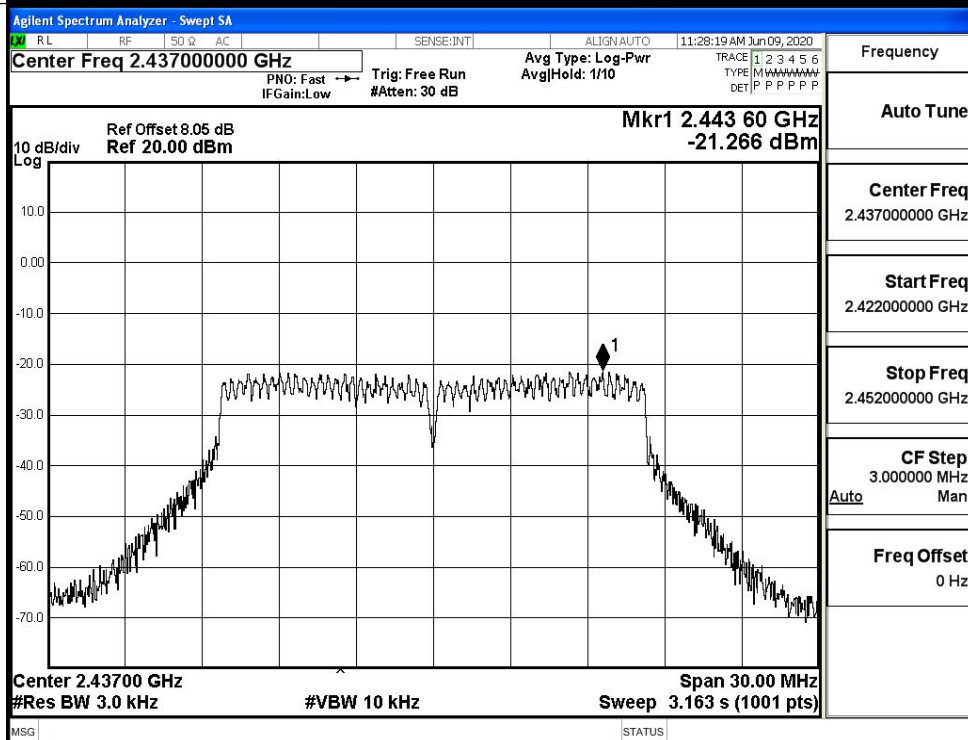
11B/HCH



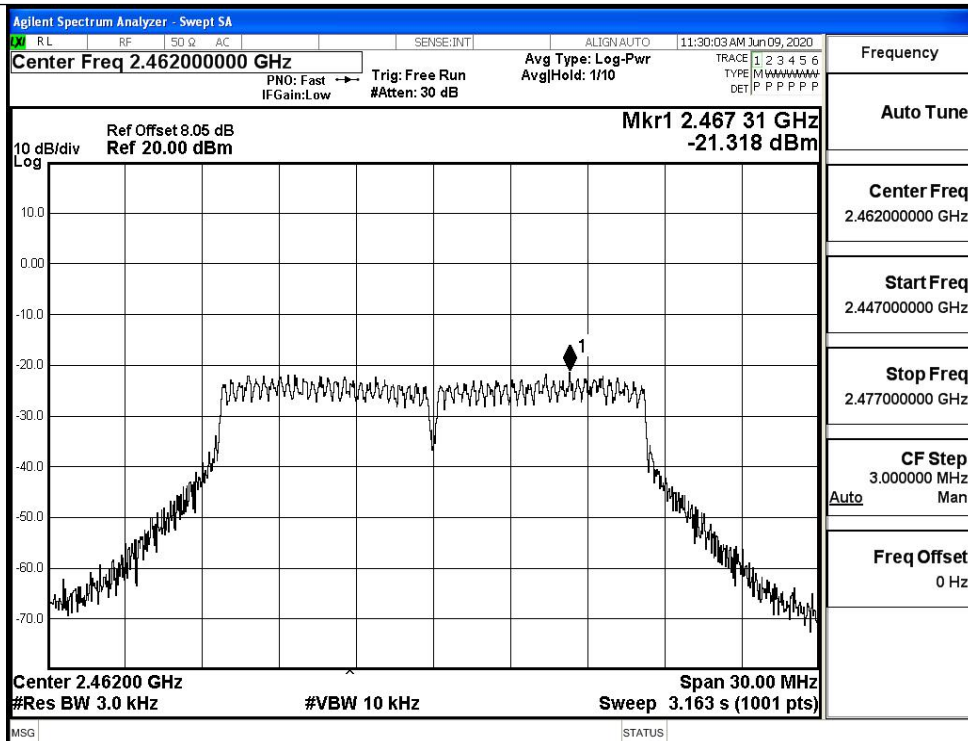
11G/LCH



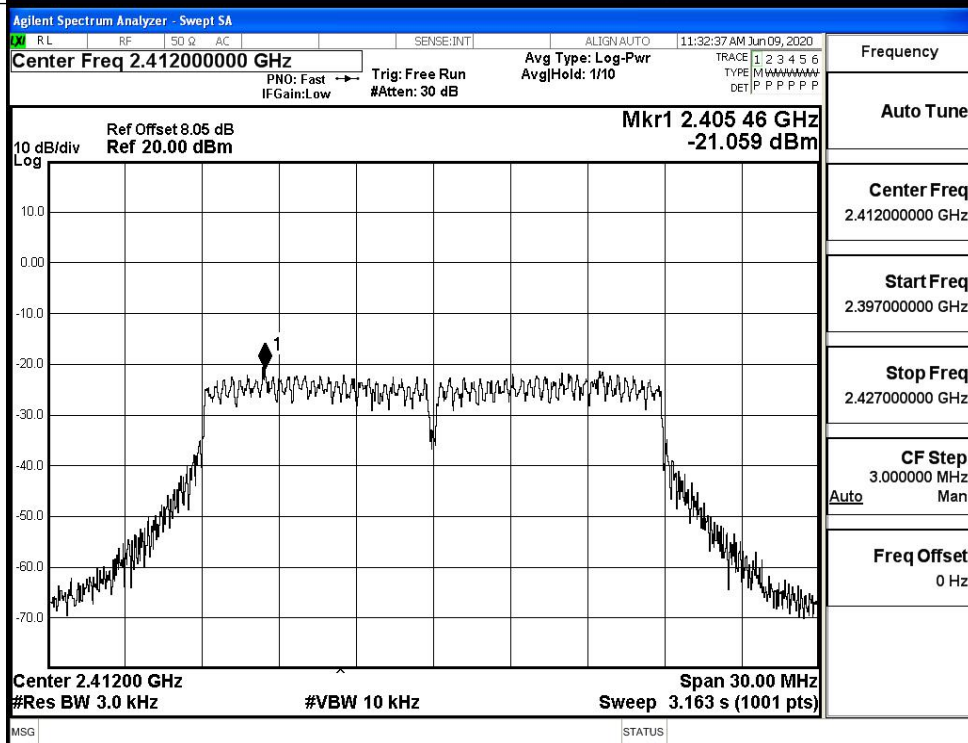
11G/MCH



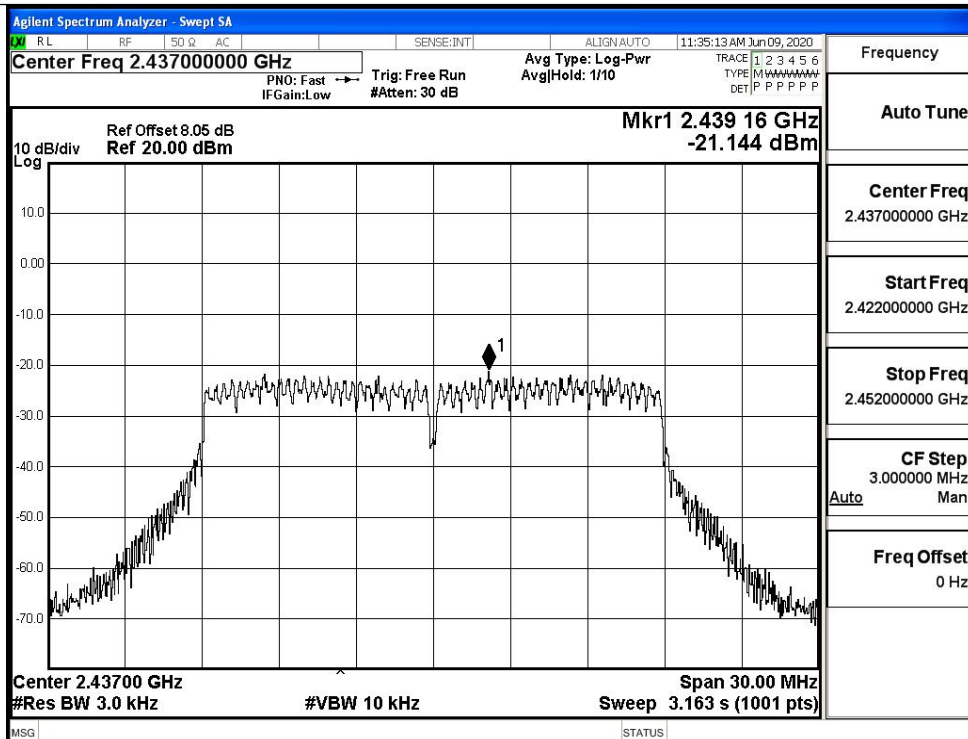
11G/HCH



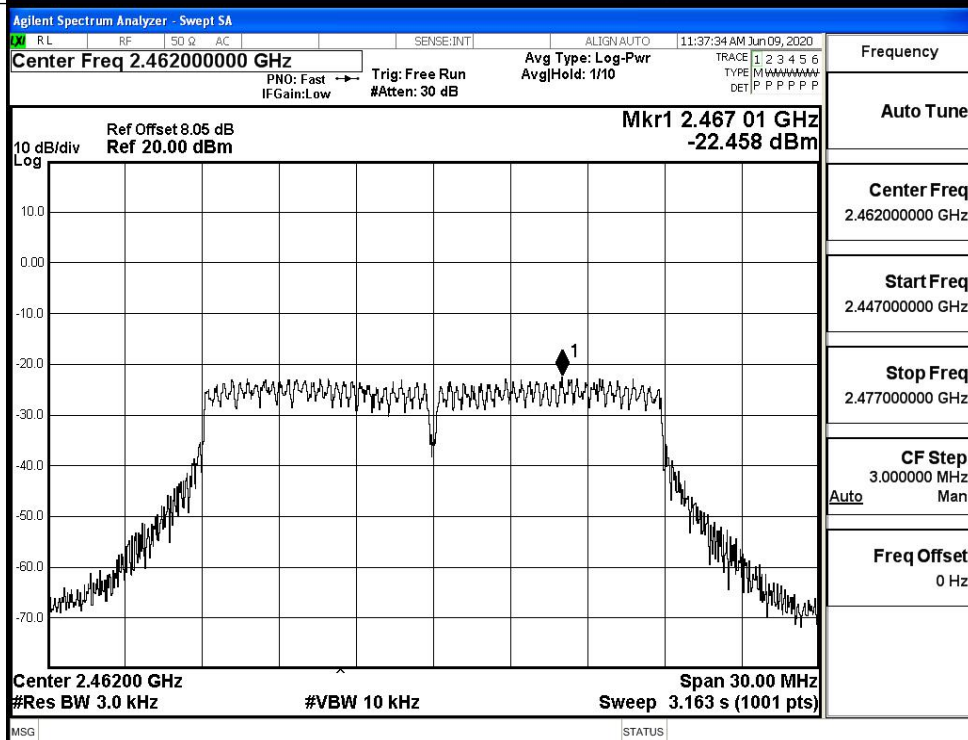
11N20SISO/LCH



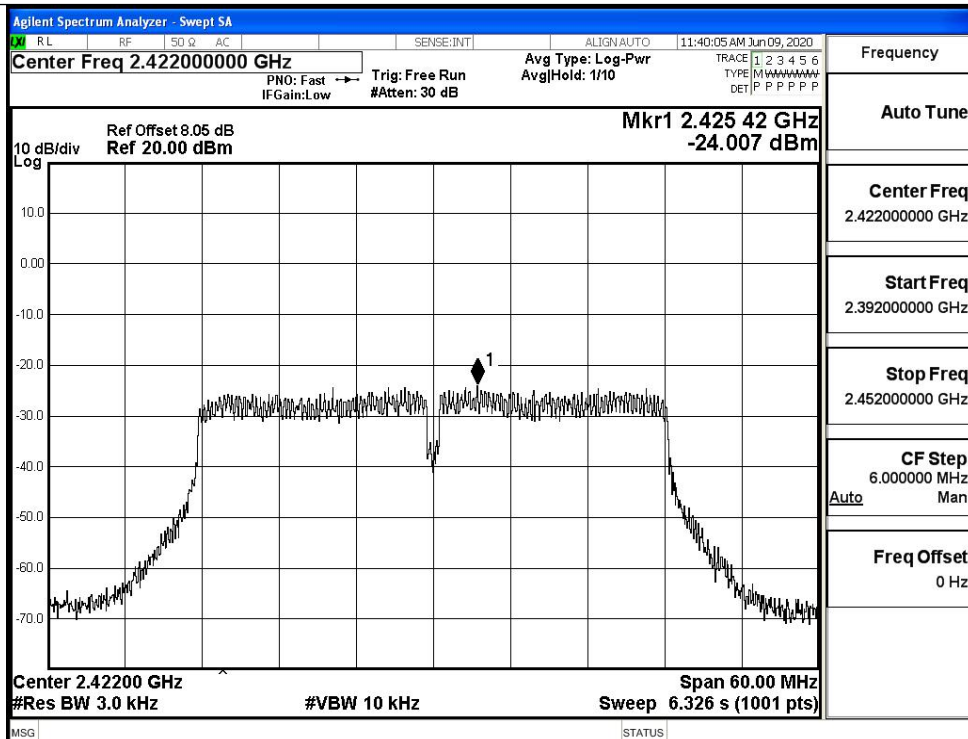
11N20SISO/MCH



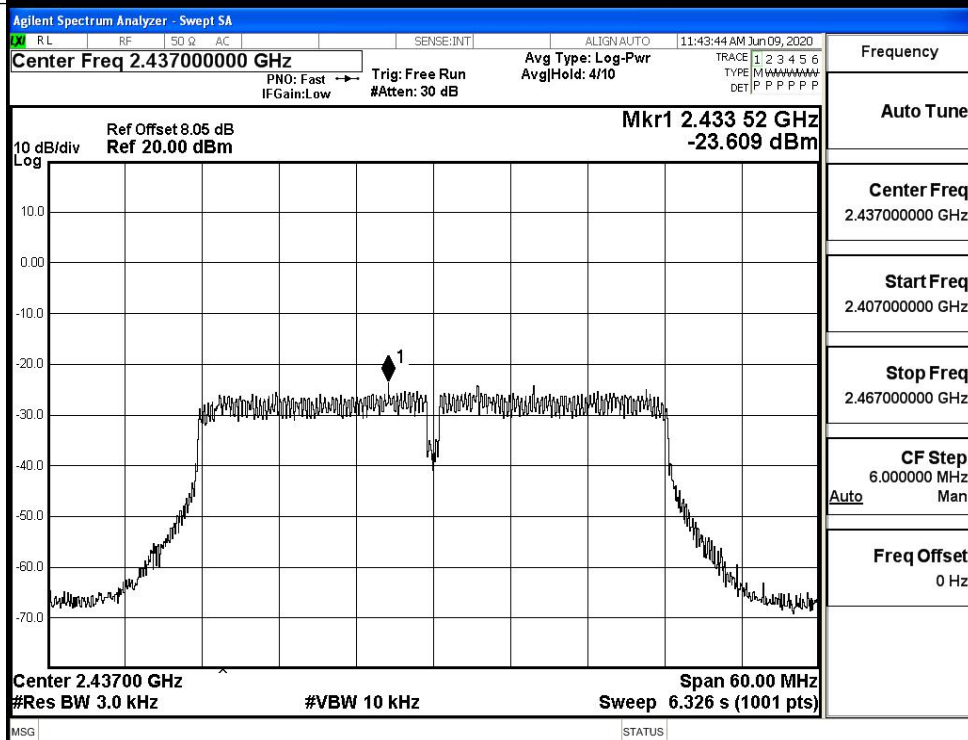
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/MCH



11N40SISO/HCH

