Appendix A
RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: BOHA!™ tablet
Trade Mark: BOHA!™

Test Model: 10 inch Tablet PC

FCC ID: 2ASX3-BOHA

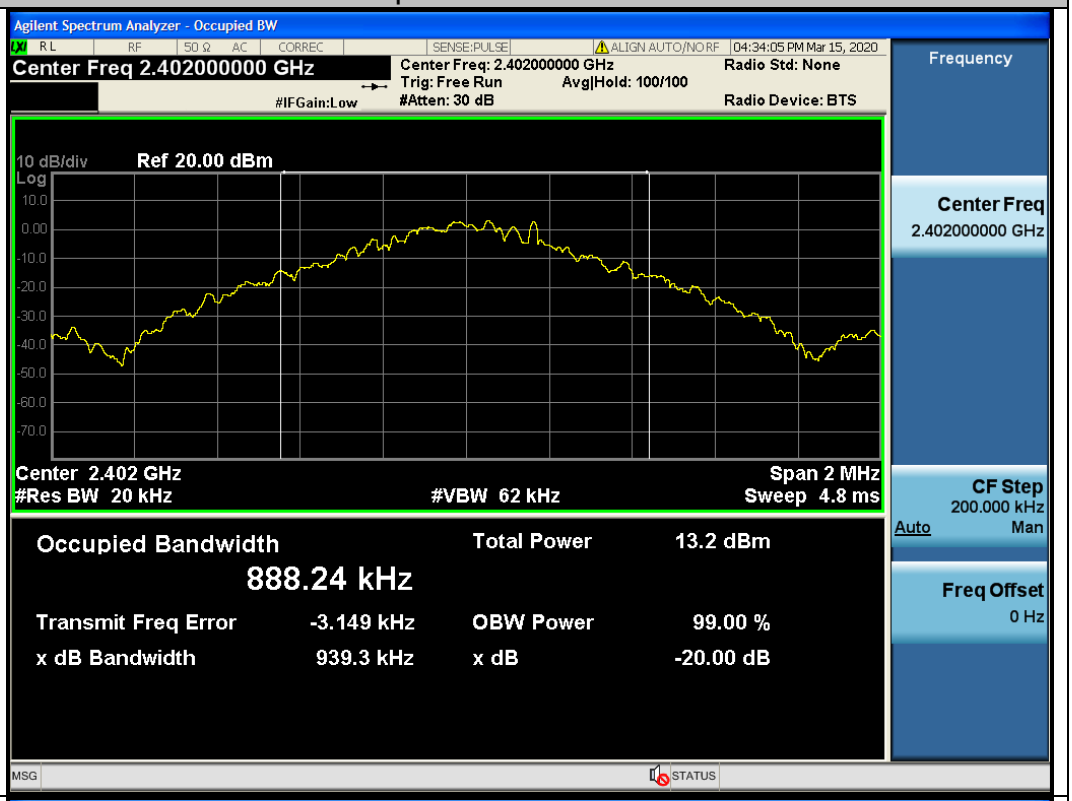
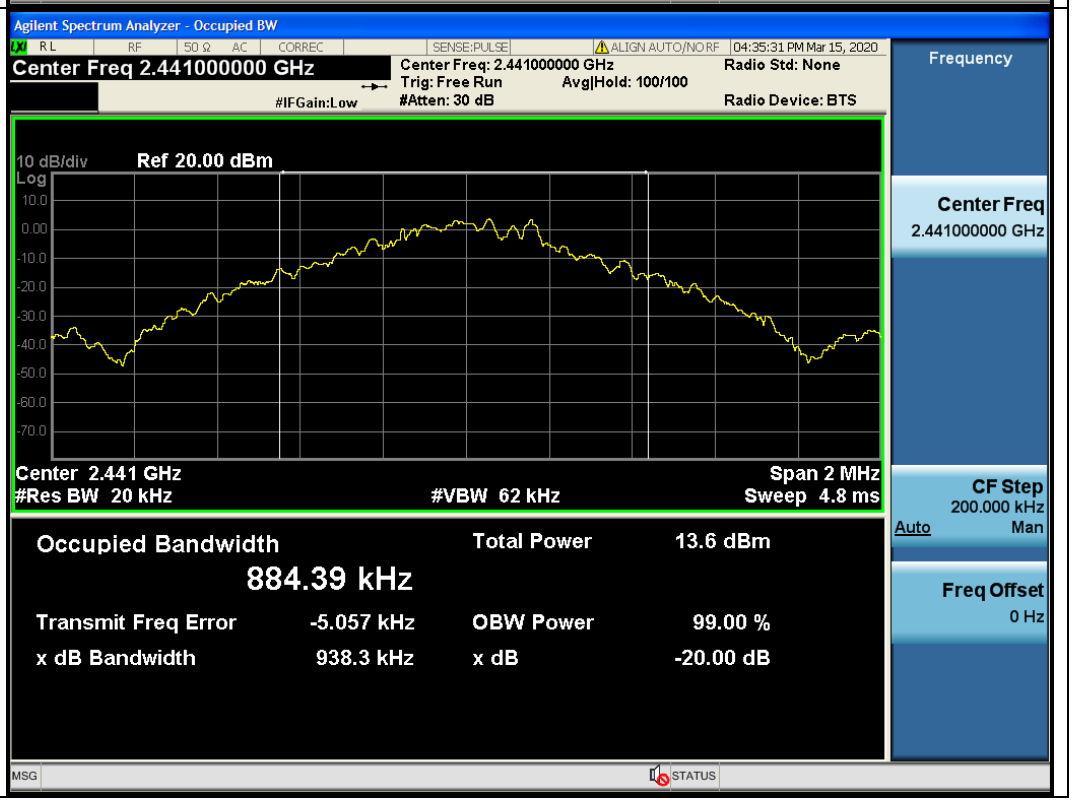
Environmental Conditions

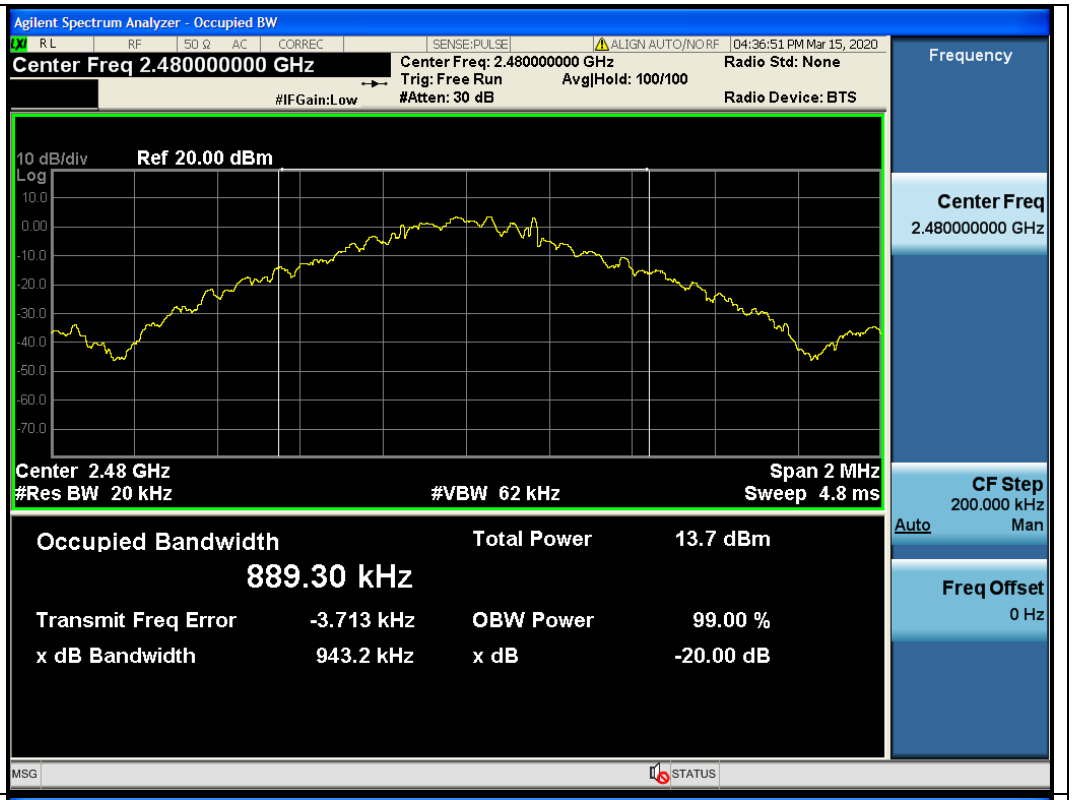
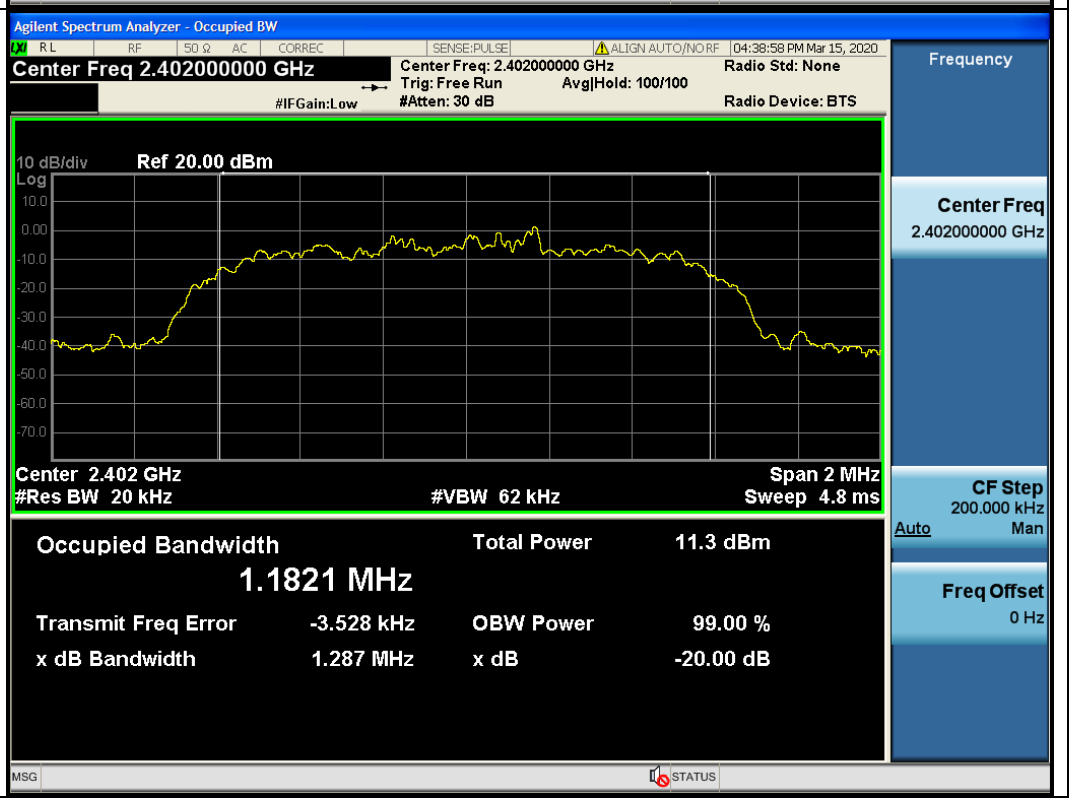
Temperature:	22.8° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

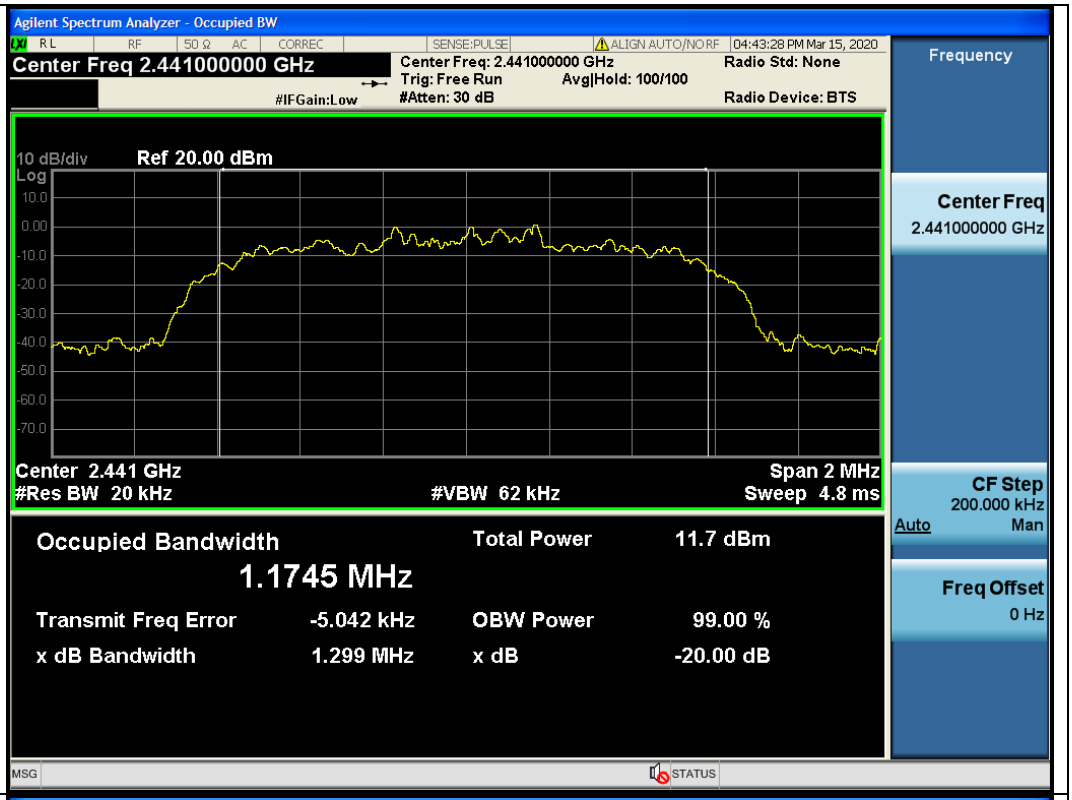
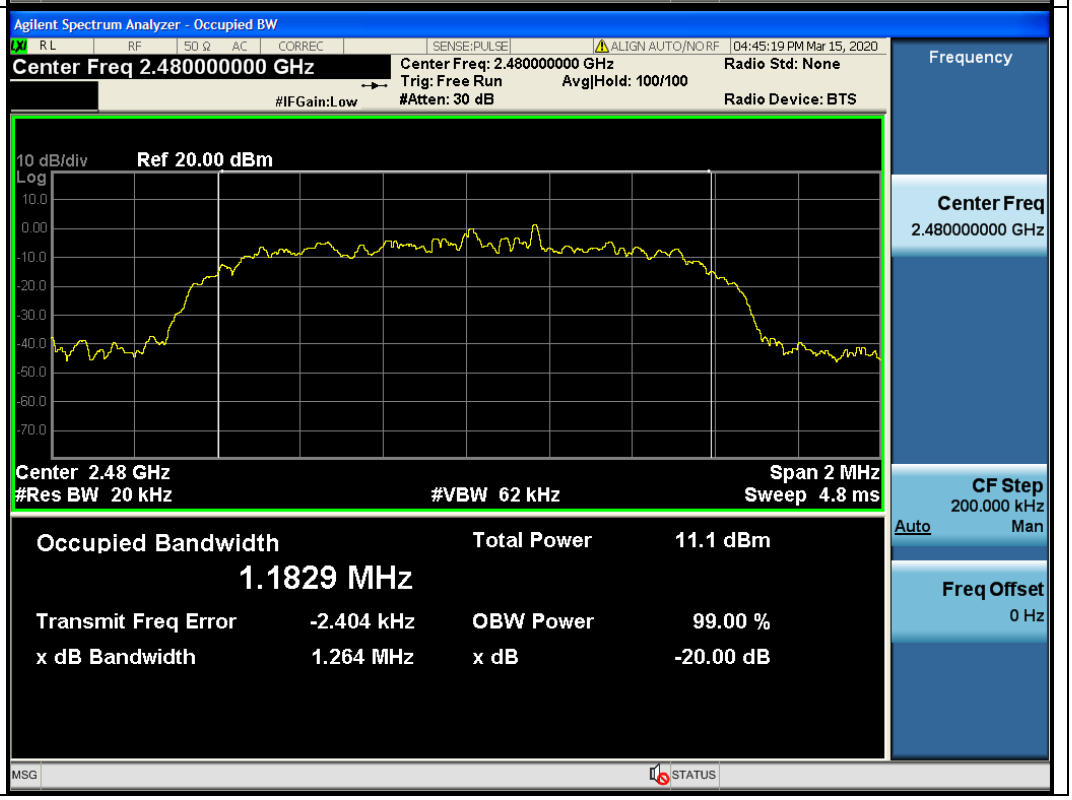
A.1 20 dB Bandwidth

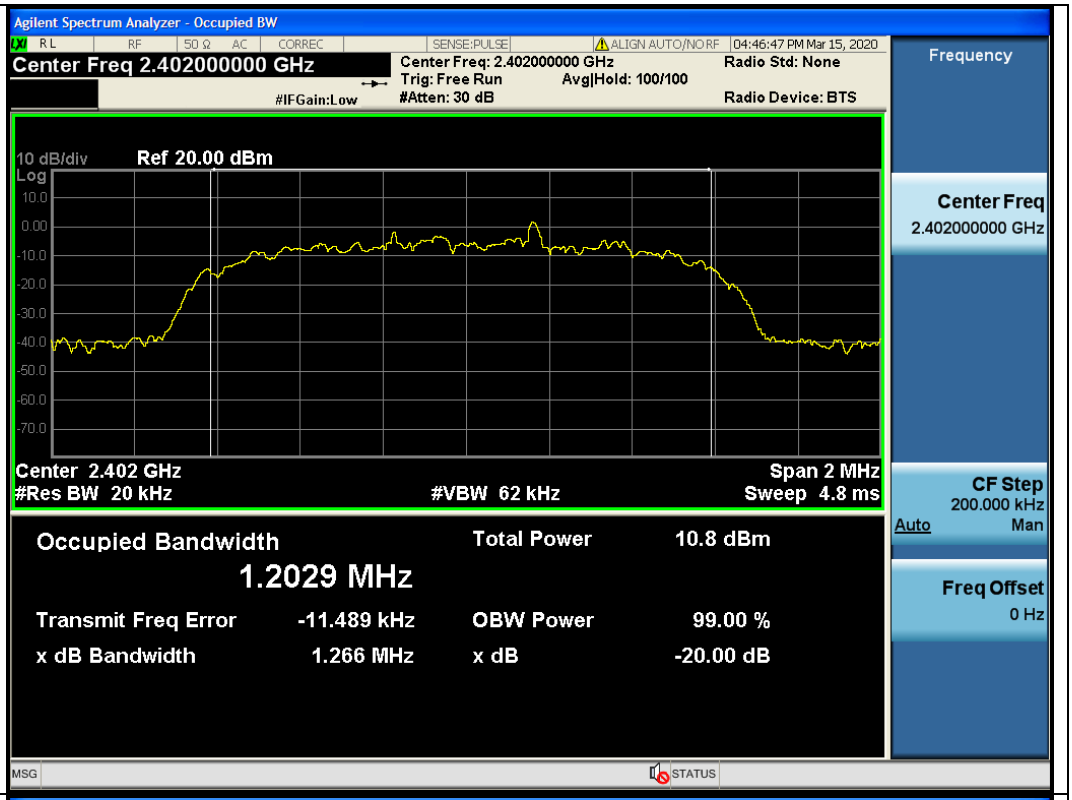
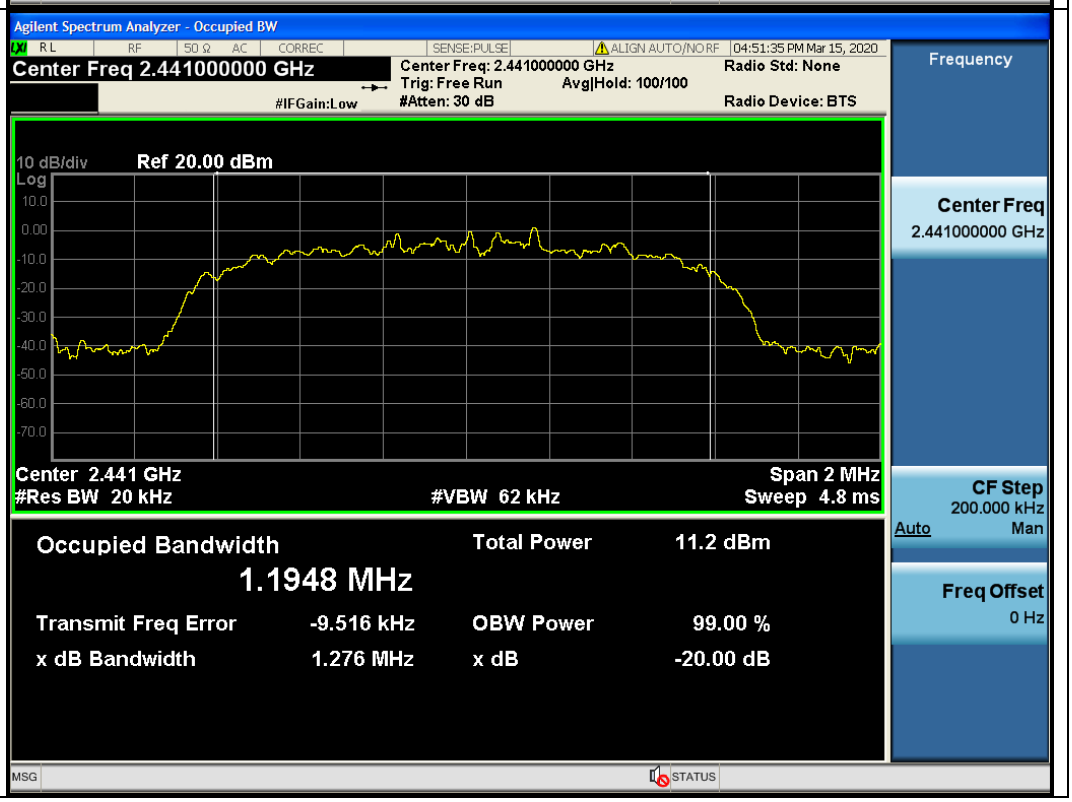
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.939	Not Specified	PASS
GFSK	MCH	0.938	Not Specified	PASS
GFSK	HCH	0.943	Not Specified	PASS
π/4DQPSK	LCH	1.287	Not Specified	PASS
π/4DQPSK	MCH	1.299	Not Specified	PASS
π/4DQPSK	HCH	1.264	Not Specified	PASS
8DPSK	LCH	1.266	Not Specified	PASS
8DPSK	MCH	1.276	Not Specified	PASS
8DPSK	HCH	1.302	Not Specified	PASS

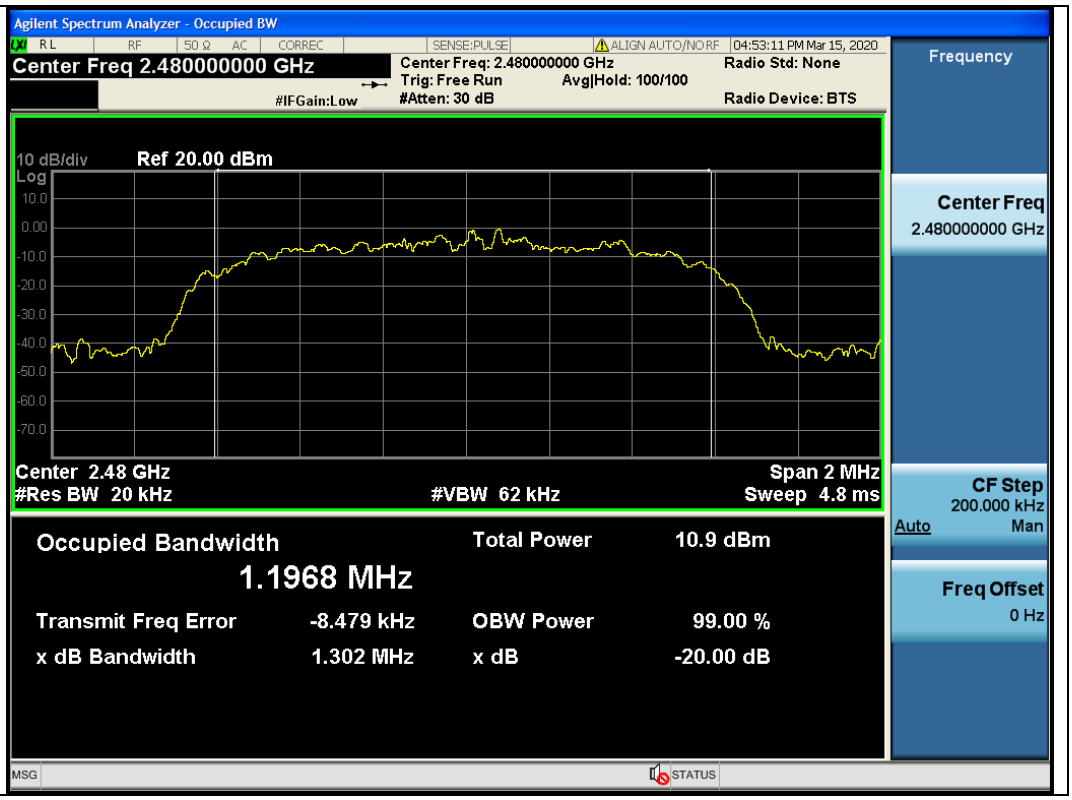
Test Graph

Graphs	
GFSK/LCH	
GFSK/MCH	

GFSK/HCH	
π/4DQPSK/LCH	

π/4DQPSK/MCH	
π/4DQPSK/HCH	

8DPSK/LCH	
8DPSK/MCH	

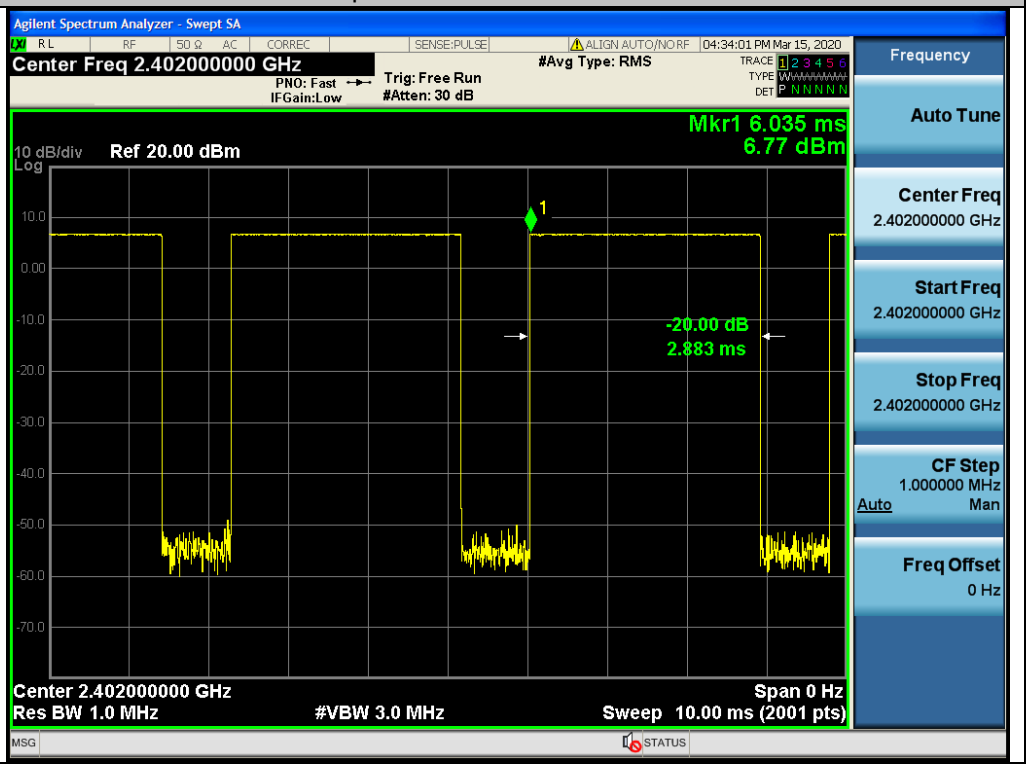
8DPSK/HCH	

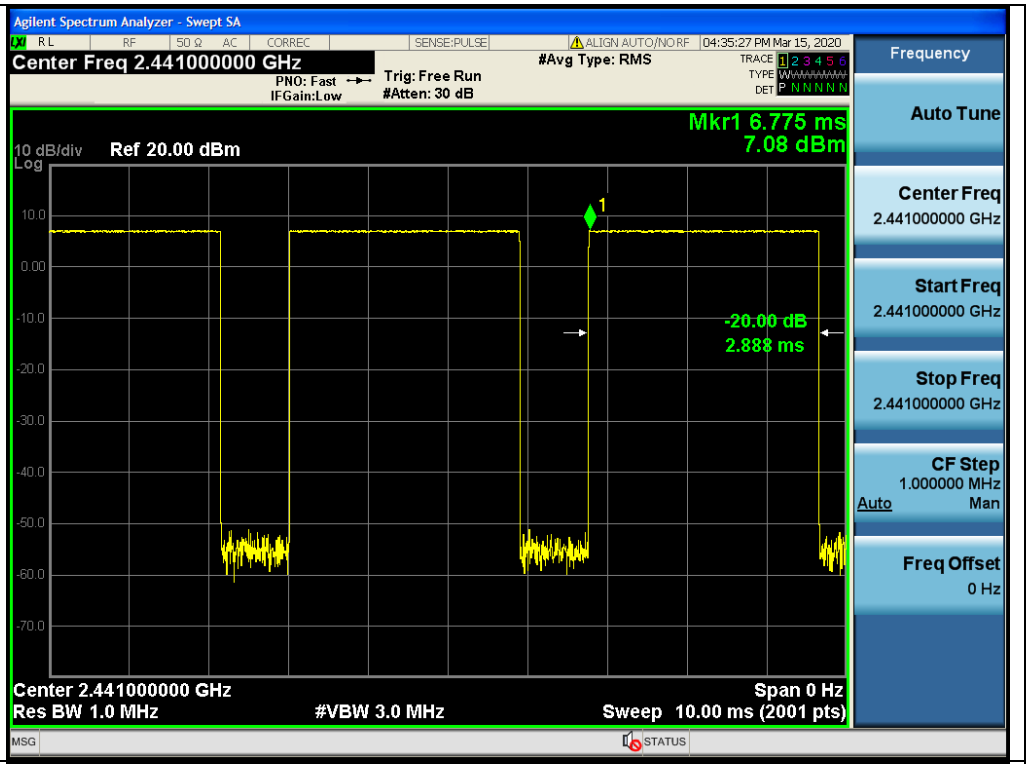
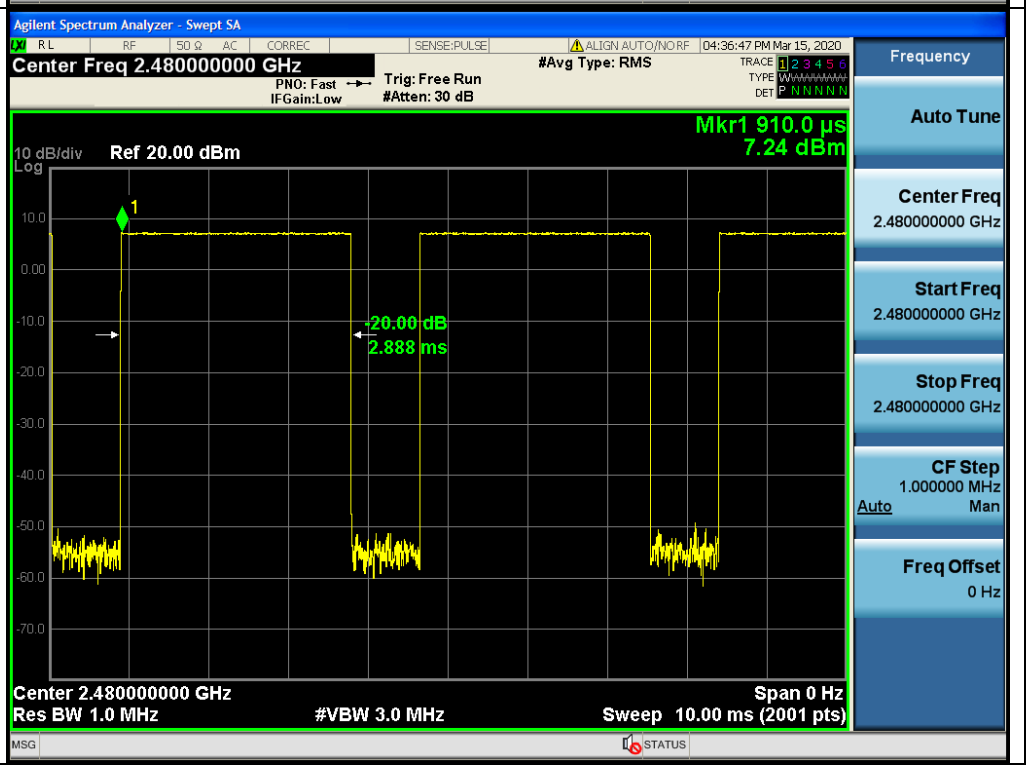
Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
04:53:11 PM Mar 15, 2020
Frequency
10 dB/div
Ref 20.00 dBm
Center Freq
2.480000000 GHz
Center 2.48 GHz
#Res BW 20 kHz
#VBW 62 kHz
Span 2 MHz
Sweep 4.8 ms
CF Step
200.000 kHz
Auto
Man
Occupied Bandwidth
1.1968 MHz
Total Power 10.9 dBm
Transmit Freq Error -8.479 kHz
OBW Power 99.00 %
x dB Bandwidth 1.302 MHz
x dB -20.00 dB
Freq Offset
0 Hz
MSG
STATUS

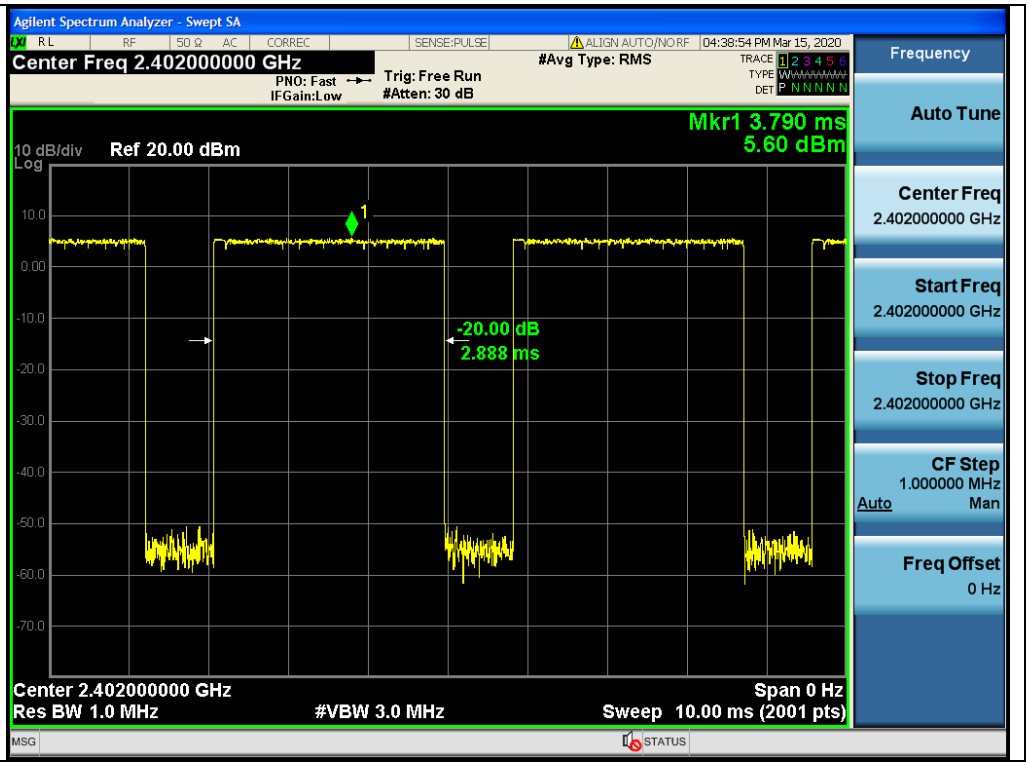
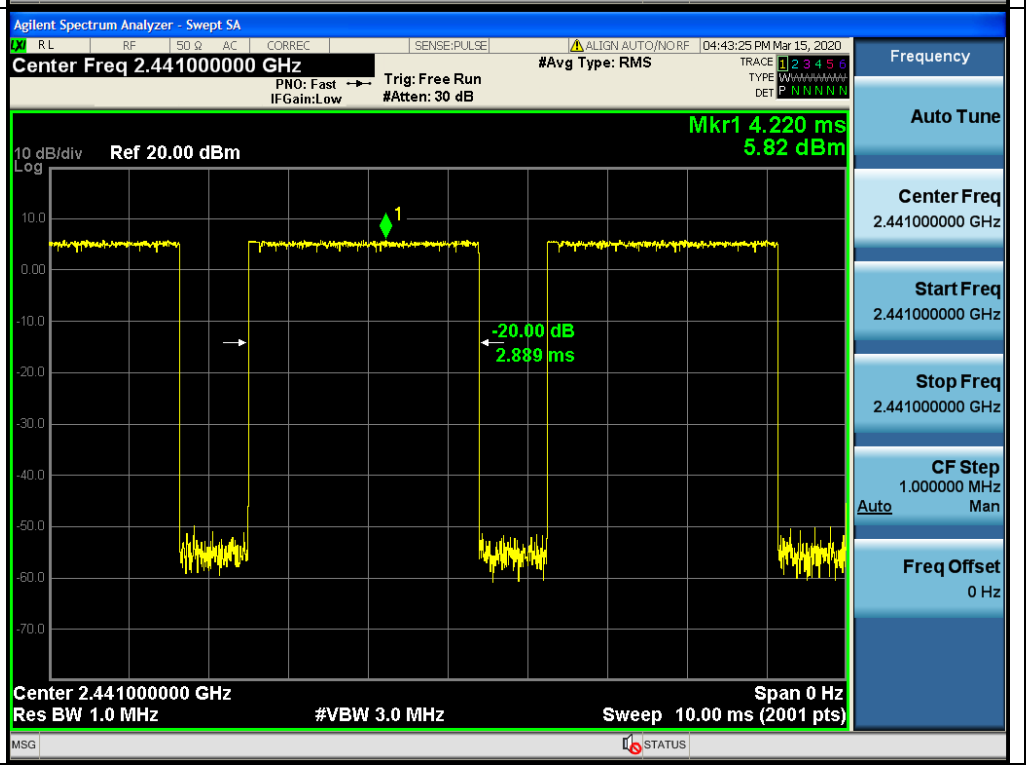
A.2 Dwell Time

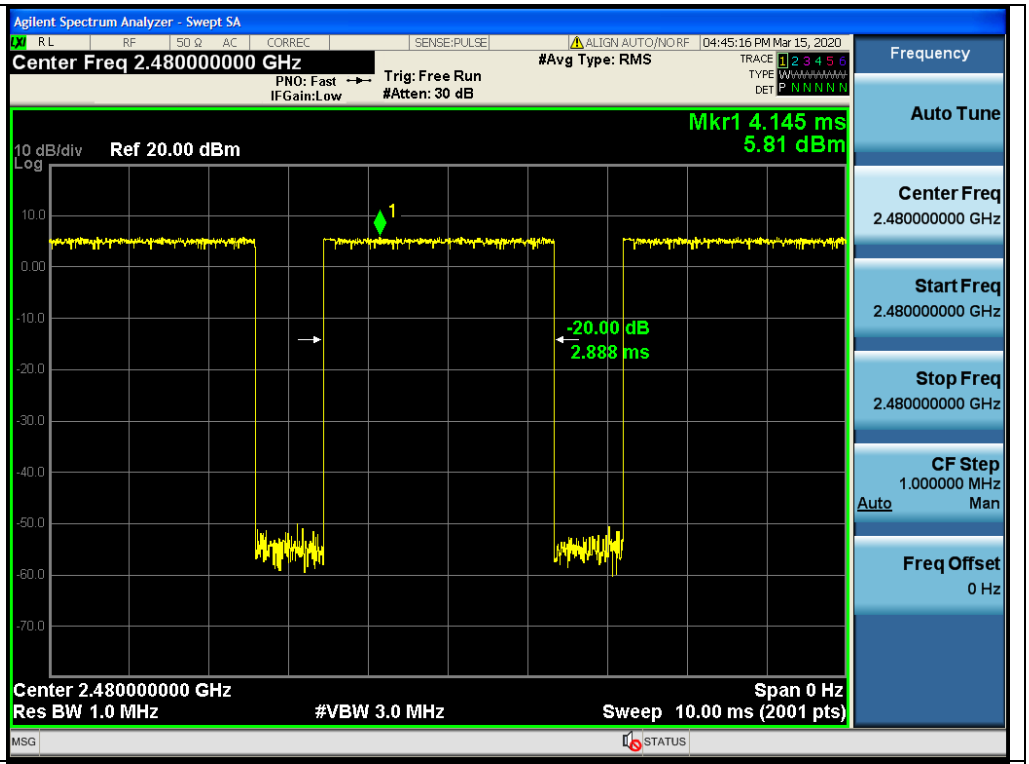
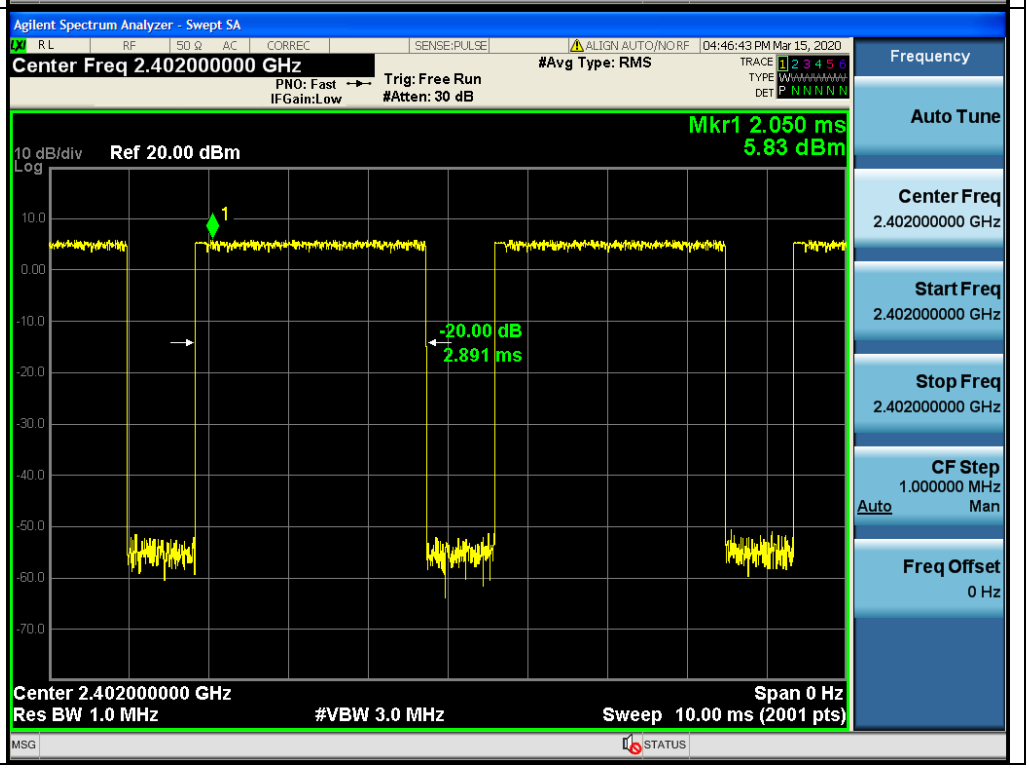
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.883	106.7	0.308	0.4	PASS
GFSK	DH5	MCH	2.888	106.7	0.308	0.4	PASS
GFSK	DH5	HCH	2.888	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	LCH	2.888	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	MCH	2.889	106.7	0.308	0.4	PASS
π/4DQPSK	2DH5	HCH	2.888	106.7	0.308	0.4	PASS
8DPSK	3DH5	LCH	2.891	106.7	0.308	0.4	PASS
8DPSK	3DH5	MCH	2.893	106.7	0.309	0.4	PASS
8DPSK	3DH5	HCH	2.890	106.7	0.308	0.4	PASS

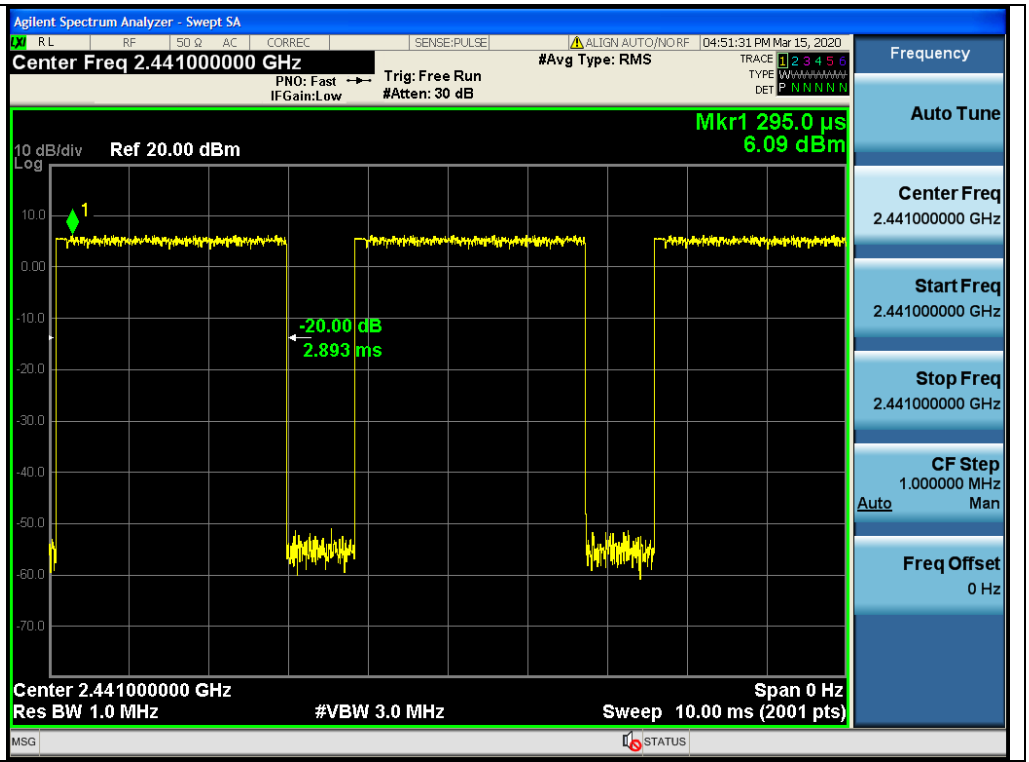
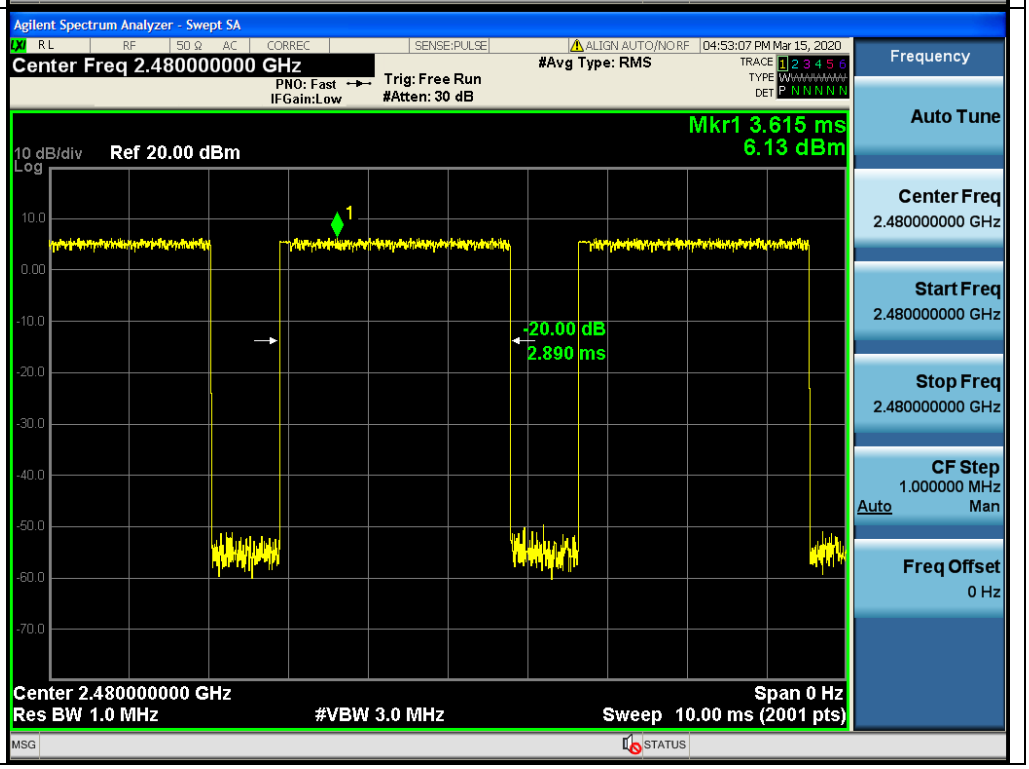
Test Graph

Graphs	
GFSK_DH5/LCH	

GFSK_DH5/MCH	
GFSK_DH5/HCH	

π/4DQPSK _2DH5/LCH	
π/4DQPSK _2DH5/MCH	

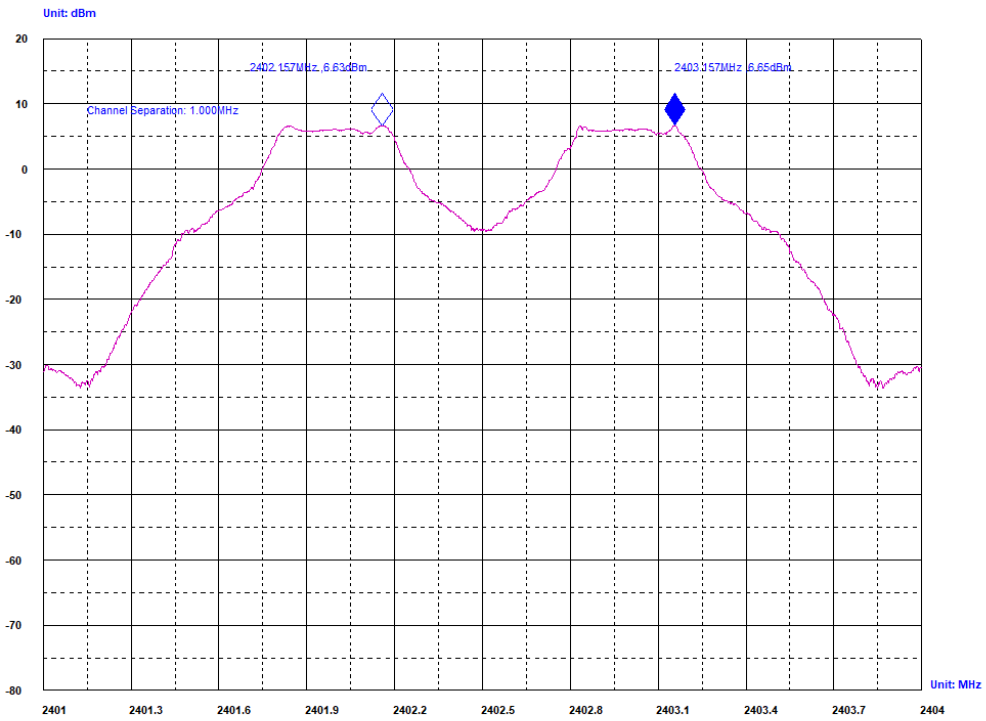
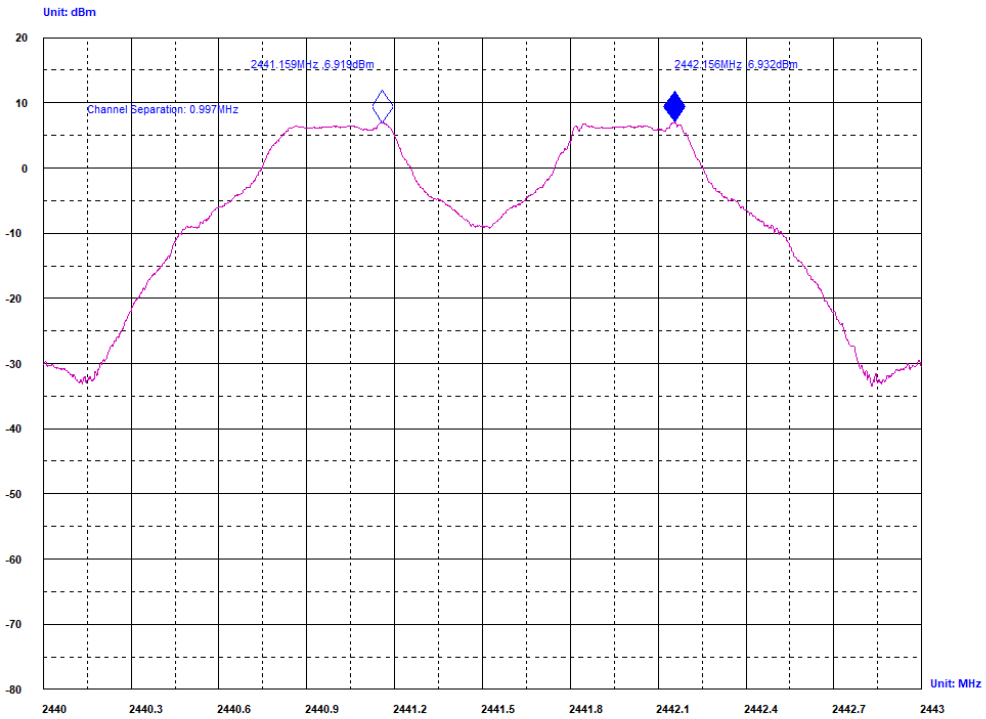
π/4DQPSK _2DH5/HCH	
8DPSK _3DH5/LCH	

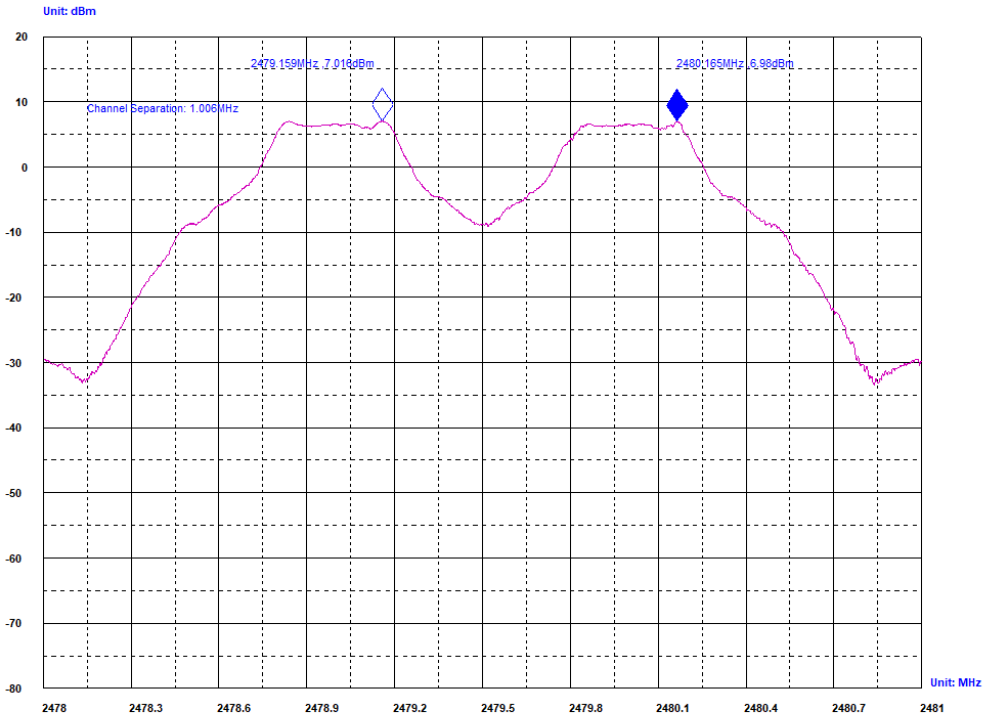
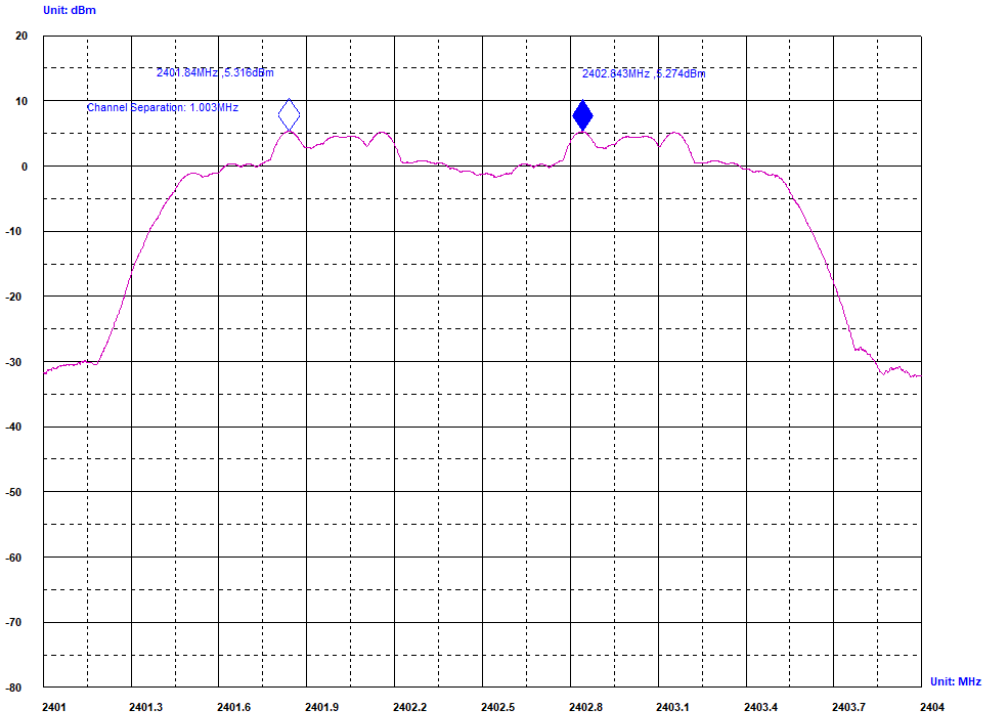
8DPSK _3DH5/MCH	
8DPSK _3DH5/HCH	

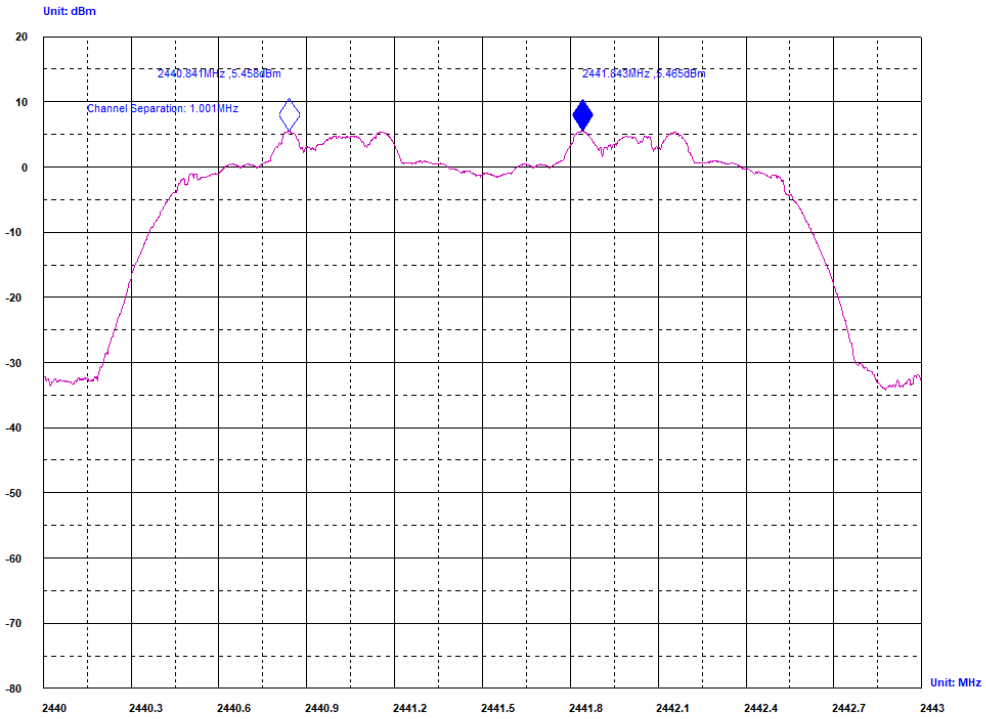
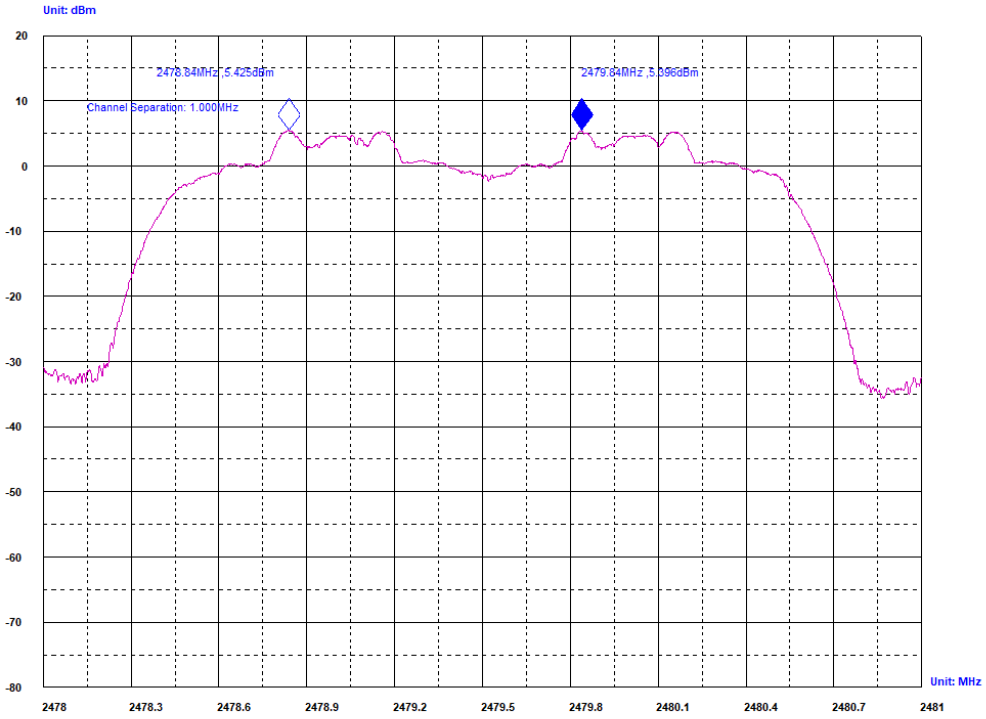
A.3 Carrier Frequency Separation

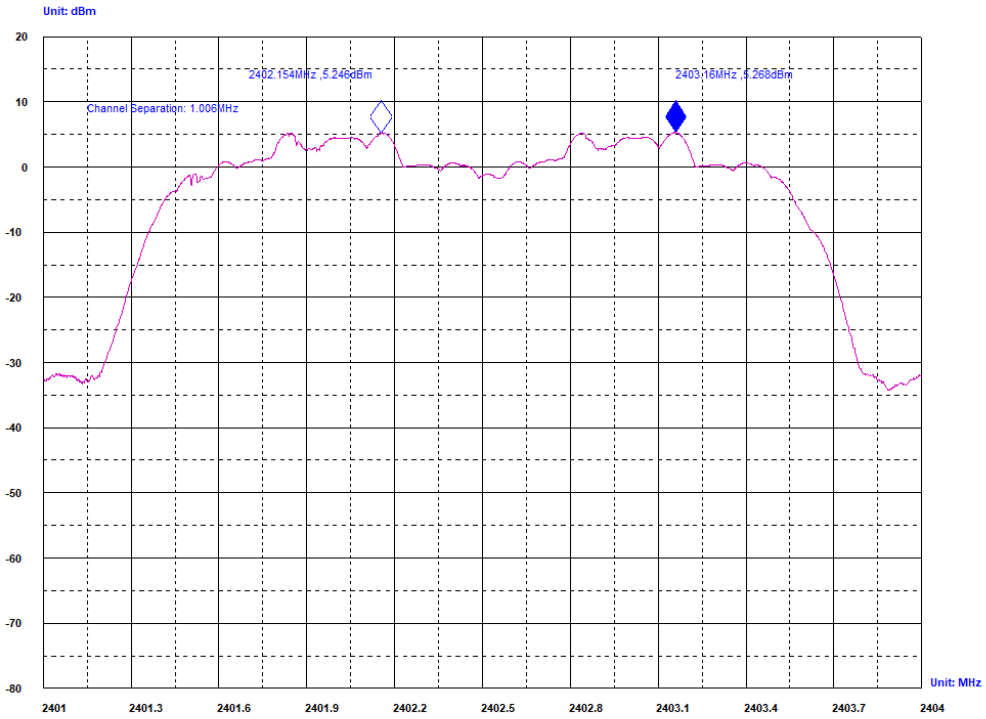
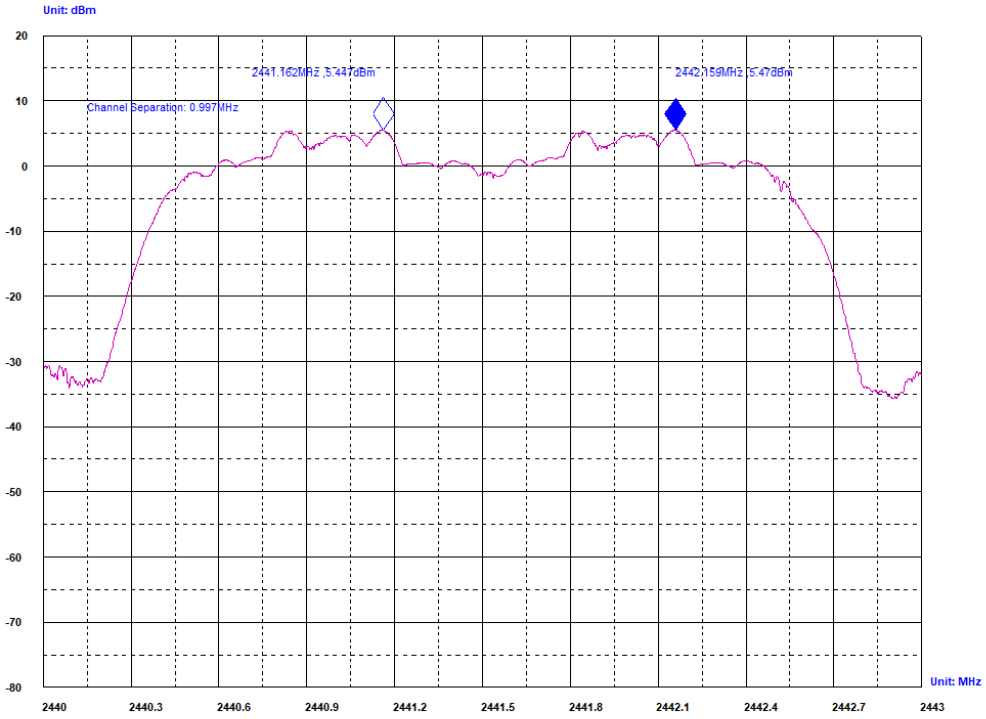
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.000	0.626	PASS
GFSK	MCH	0.997	0.625	PASS
GFSK	HCH	1.006	0.629	PASS
π/4DQPSK	LCH	1.003	0.858	PASS
π/4DQPSK	MCH	1.001	0.866	PASS
π/4DQPSK	HCH	1.000	0.843	PASS
8DPSK	LCH	1.006	0.844	PASS
8DPSK	MCH	0.997	0.851	PASS
8DPSK	HCH	1.001	0.868	PASS

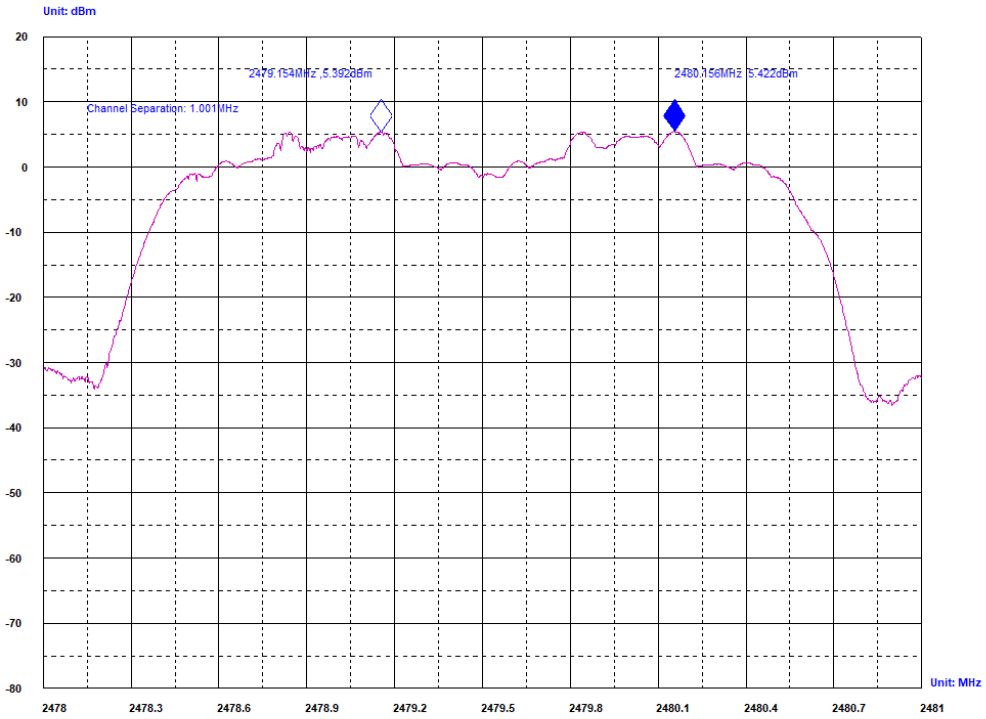
Test Graph

Graphs	
GFSK/LCH	
GFSK/MCH	

GFSK/HCH	
π/4DQPSK/LCH	

π/4DQPSK/MCH	
π/4DQPSK/HCH	

8DPSK/LCH	
8DPSK/MCH	

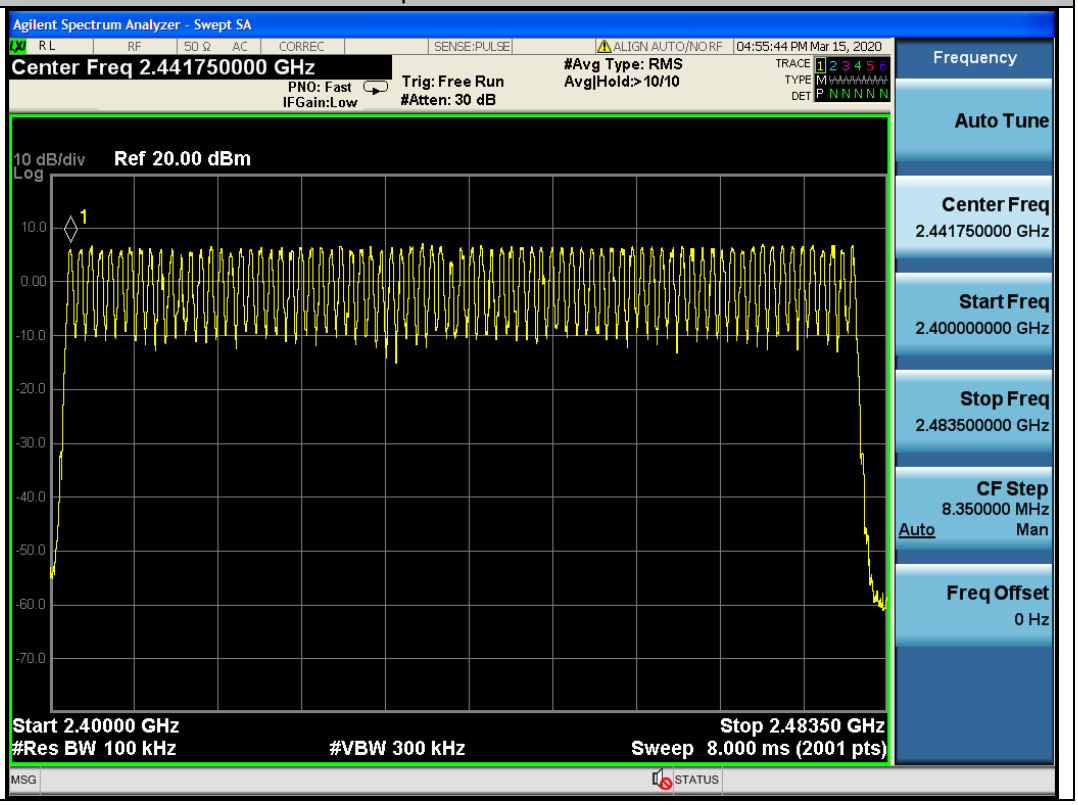
8DPSK/HCH	

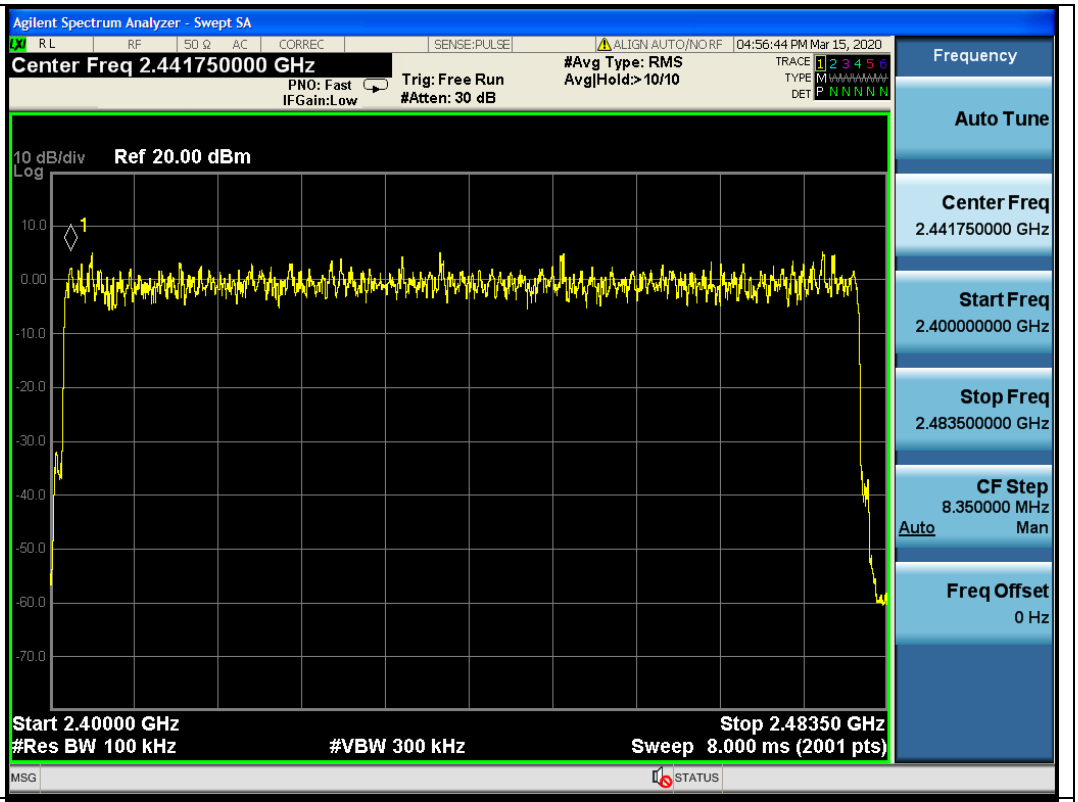
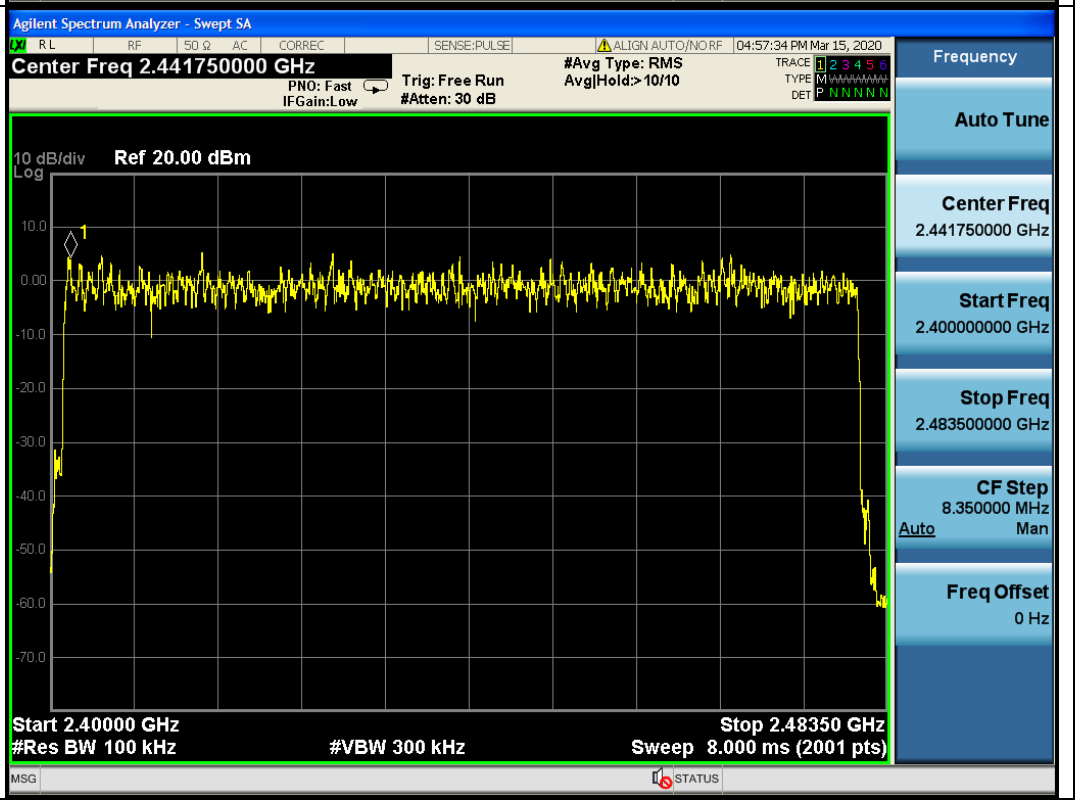
Unit: dBm
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2479.154MHz 5.392dBm
2480.156MHz 5.422dBm
Channel Separation: 1.001MHz
Unit: MHz
2478
2478.3
2478.6
2478.9
2479.2
2479.5
2479.8
2480.1
2480.4
2480.7
2481

A.4 Hopping Channel Number

Mode	Channel.	Number of Hopping Channel[N]	Limit[N]	Verdict
GFSK	Hop	79	>=15	PASS
π/4DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

Test Graph

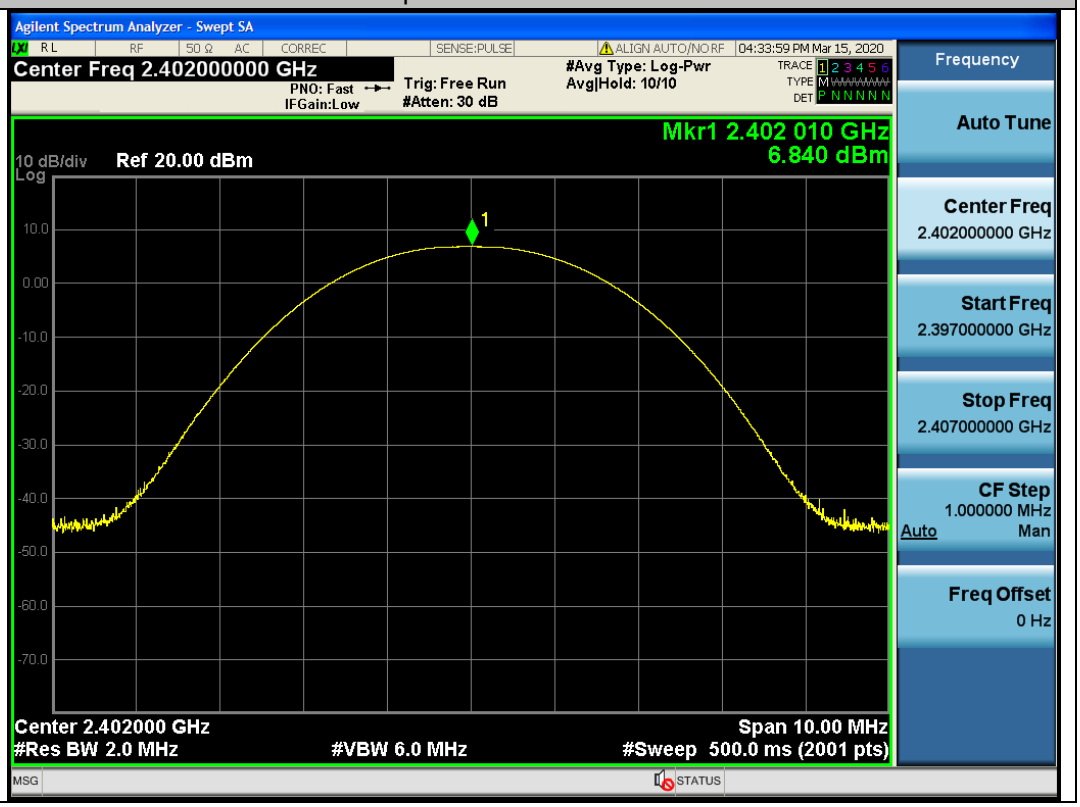
Graphs	
GFSK/Hop	

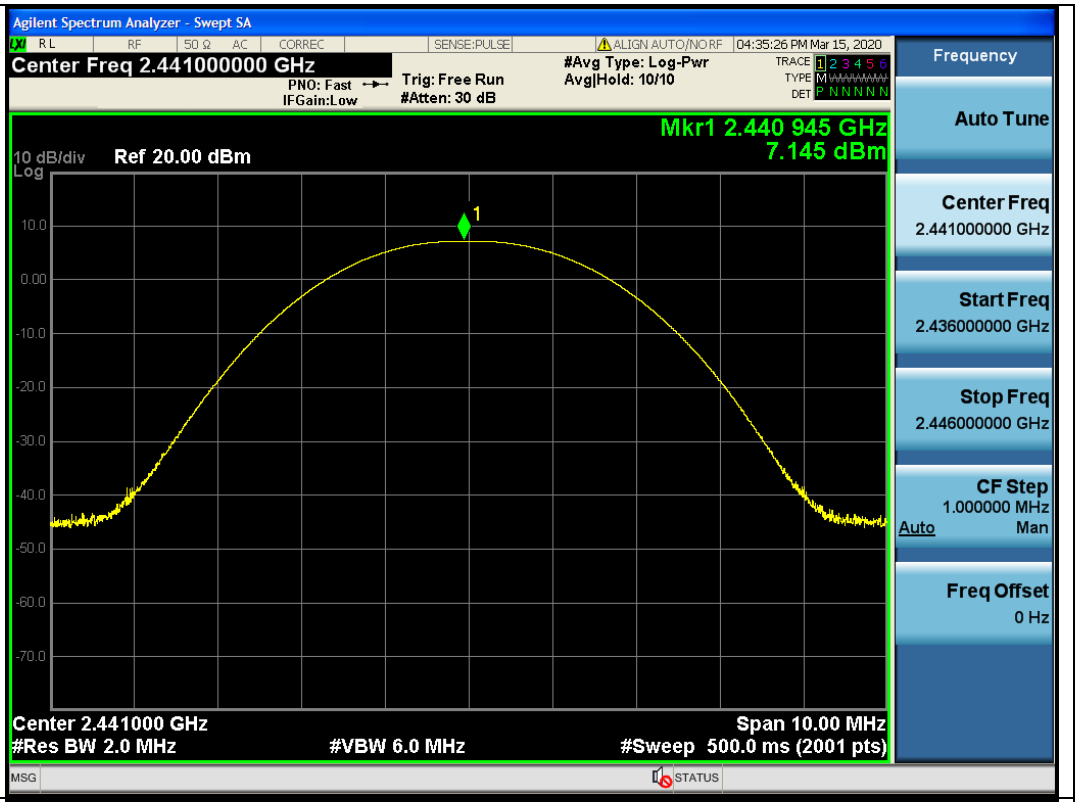
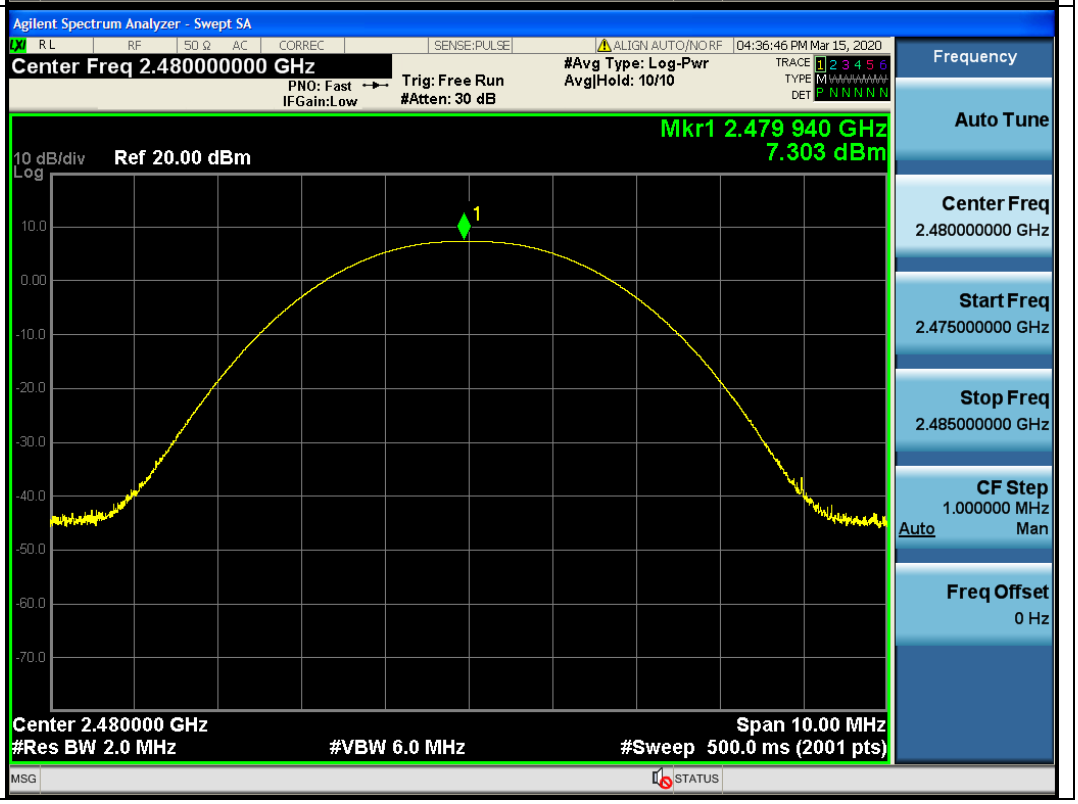
π/4DQPSK/Hop	
8DPSK/Hop	

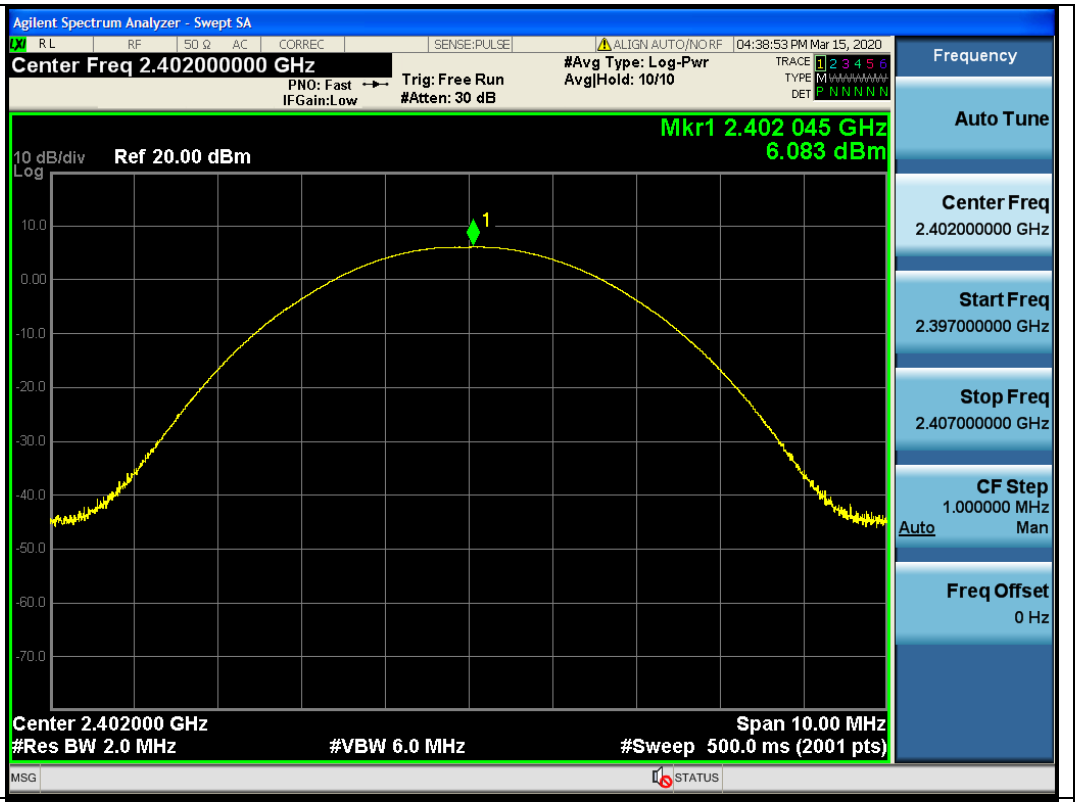
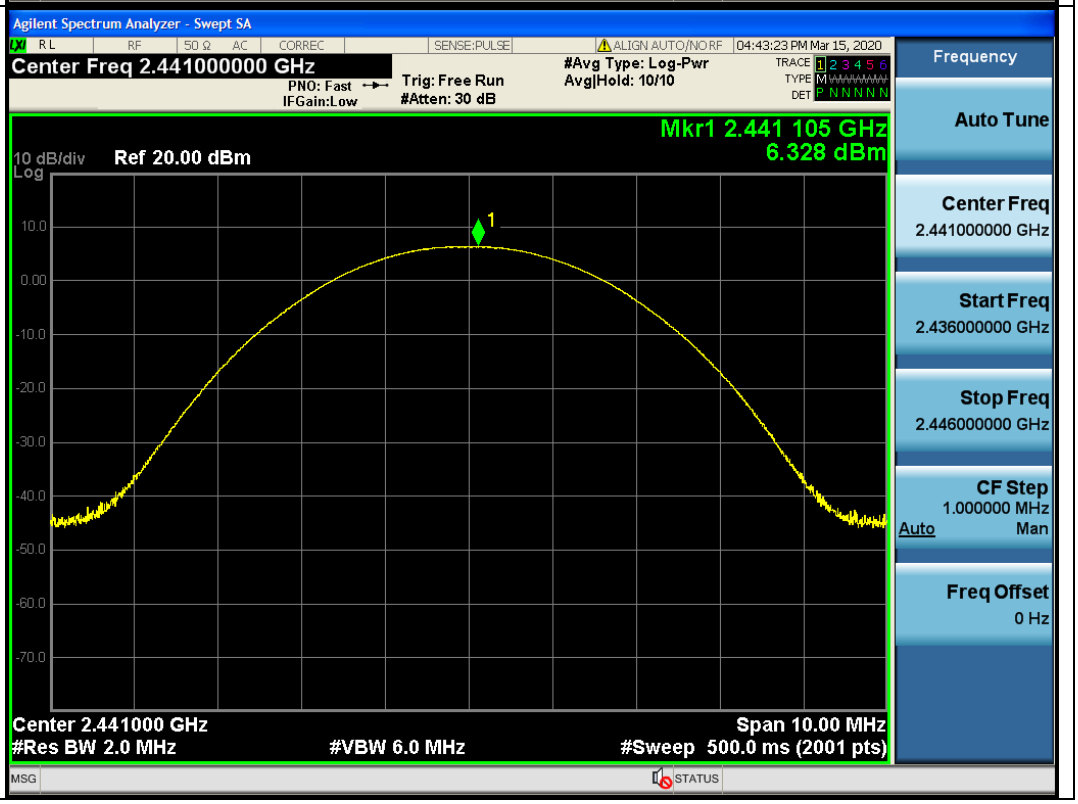
A.5 Conducted Peak Output Power

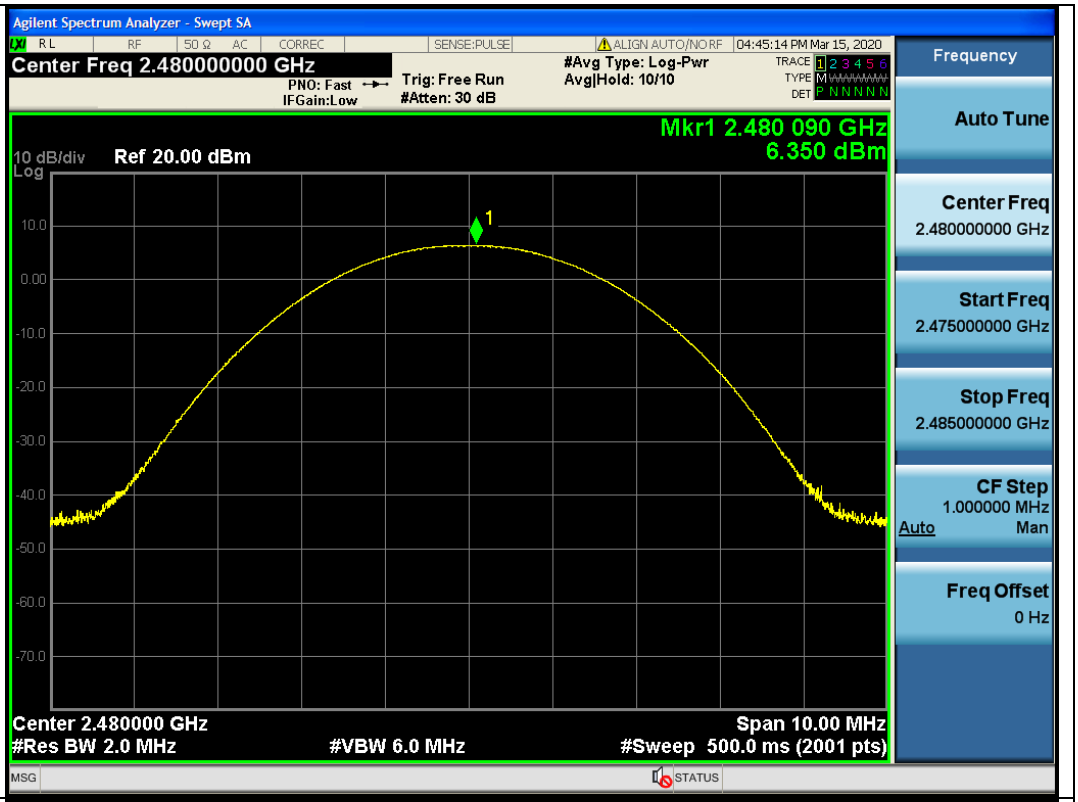
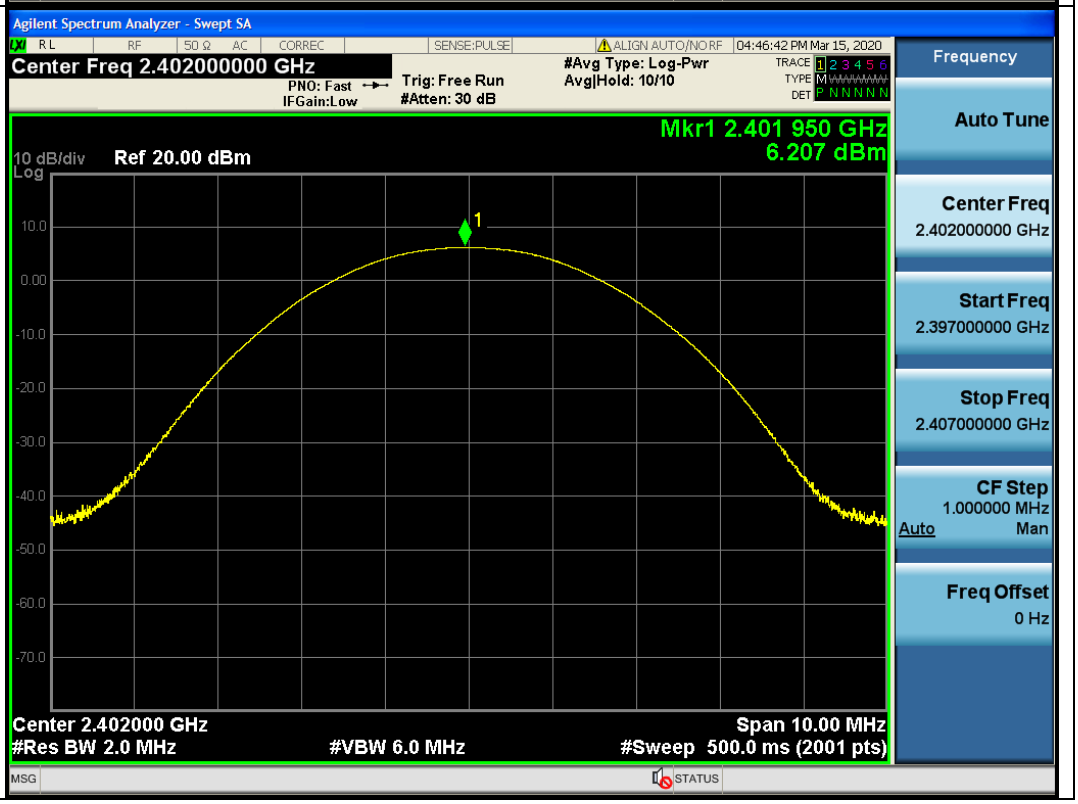
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	6.840	21	PASS
GFSK	MCH	7.145	21	PASS
GFSK	HCH	7.303	21	PASS
π/4DQPSK	LCH	6.083	21	PASS
π/4DQPSK	MCH	6.328	21	PASS
π/4DQPSK	HCH	6.350	21	PASS
8DPSK	LCH	6.207	21	PASS
8DPSK	MCH	6.494	21	PASS
8DPSK	HCH	6.557	21	PASS

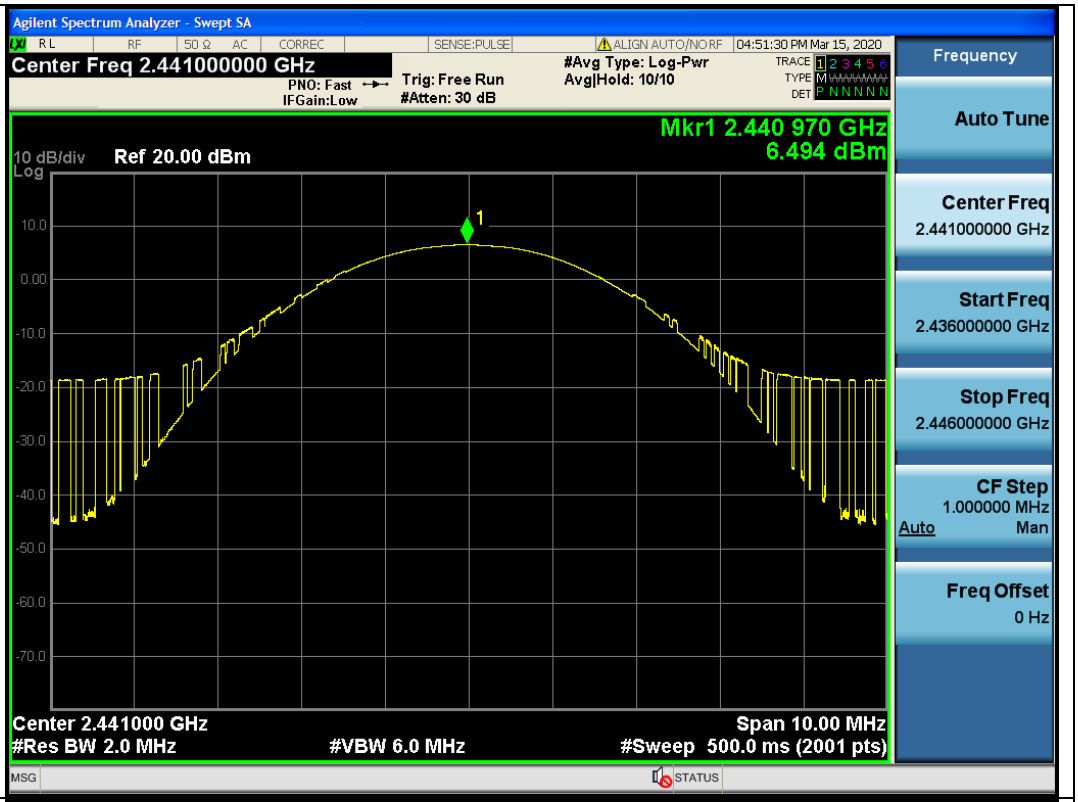
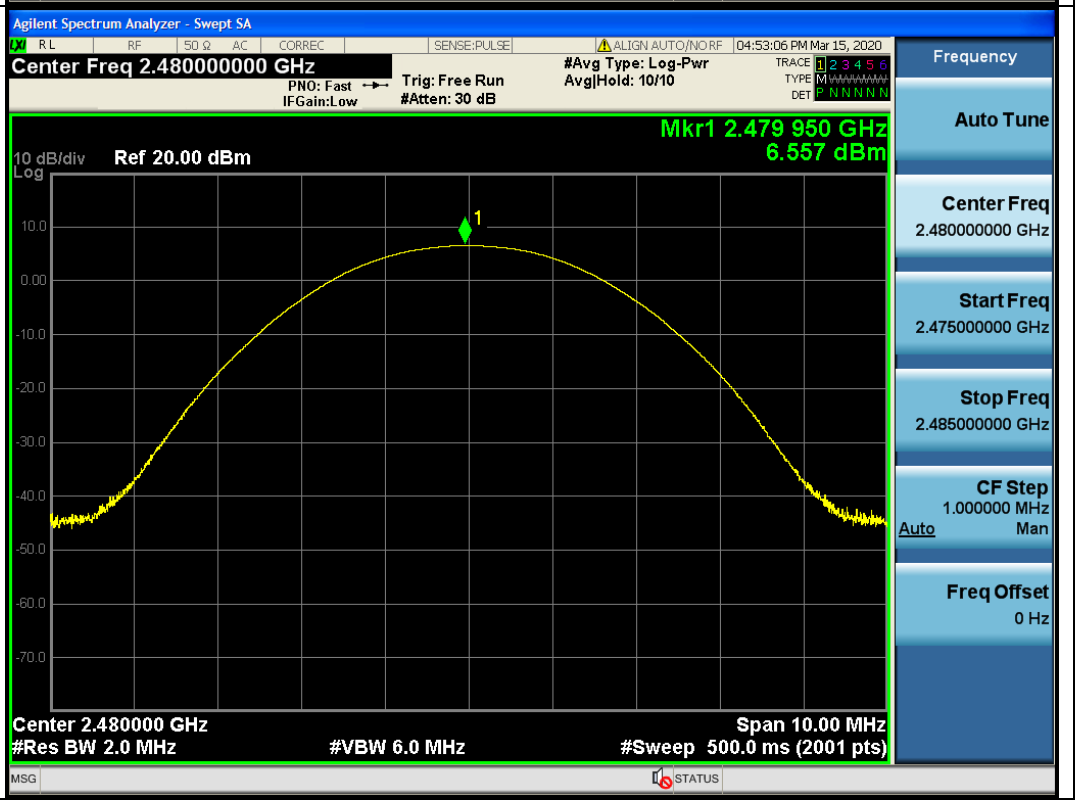
Test Graph

Graphs	
GFSK/LCH	

GFSK/MCH	
GFSK/HCH	

π/4DQPSK/LCH	
π/4DQPSK/MCH	

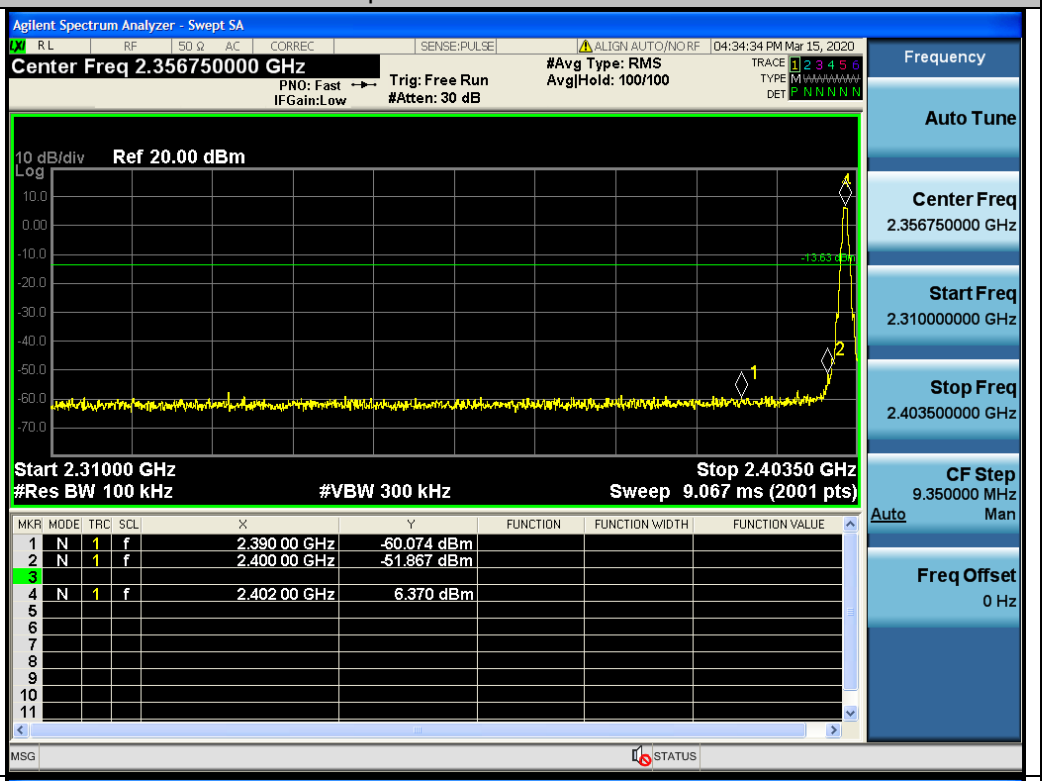
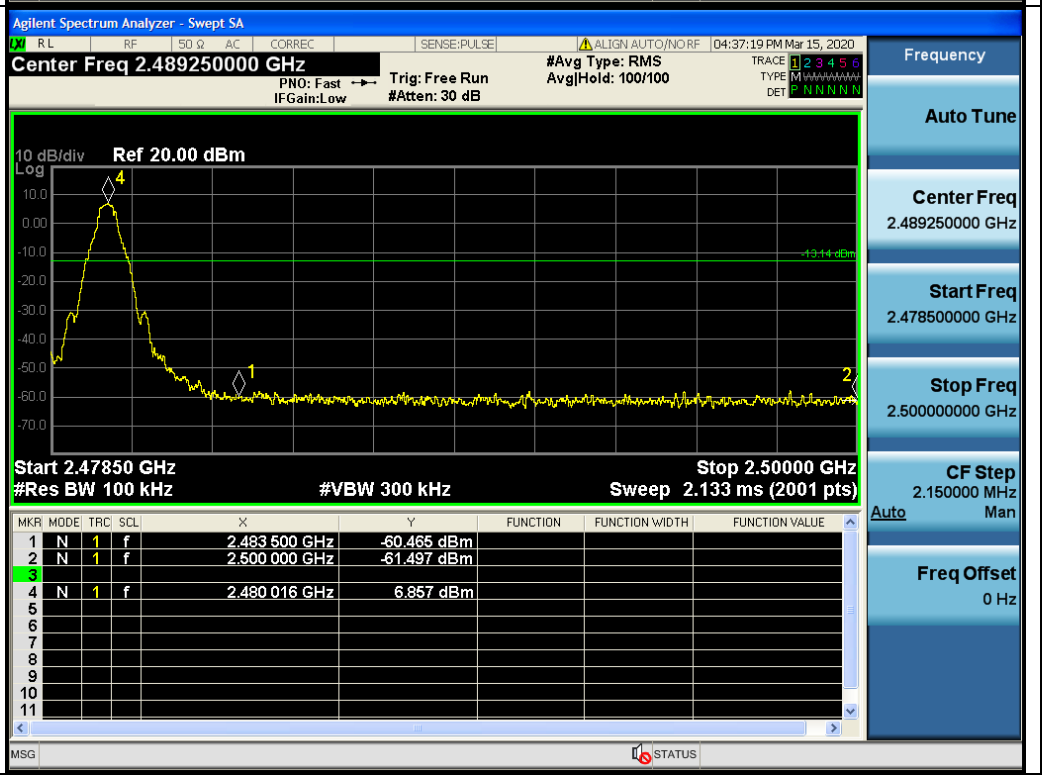
π/4DQPSK/HCH	
8DPSK/LCH	

8DPSK/MCH	
8DPSK/HCH	

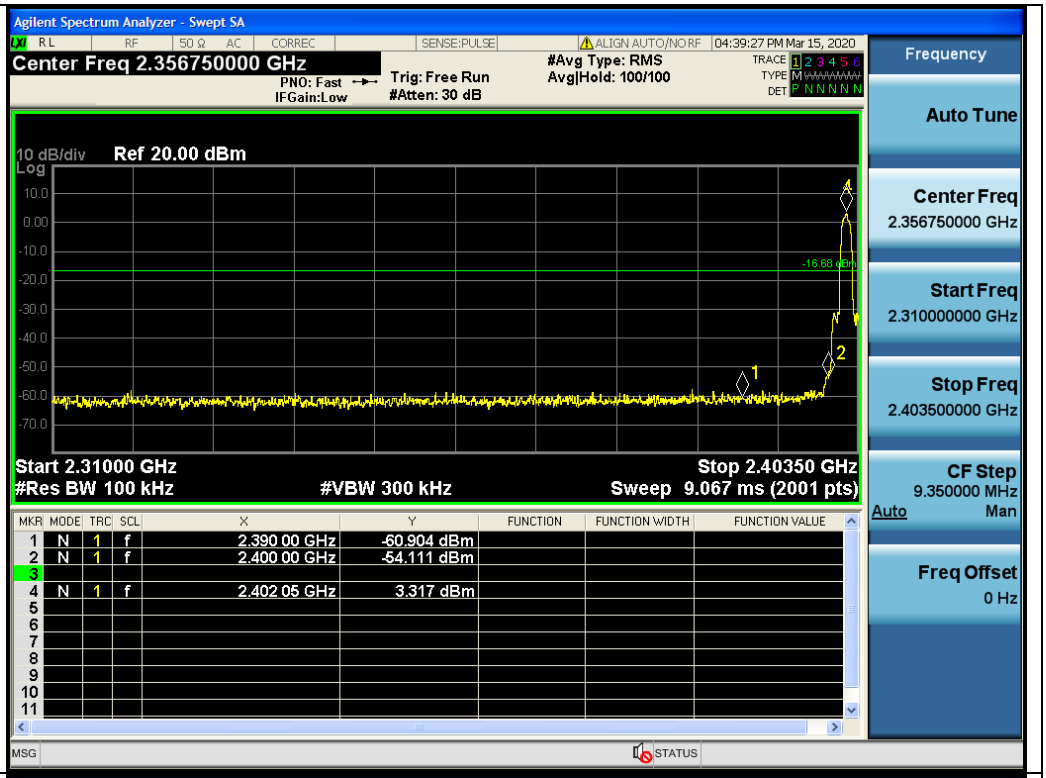
A.6 Band-edge for RF Conducted Emissions

Type	Carrier Frequency (MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2400	6.37	-51.87	-13.63	Pass
1DH5	2480	2483.5	6.857	-60.46	-13.143	Pass
2DH5	2402	2400	3.317	-54.11	-16.683	Pass
2DH5	2480	2483.5	1.762	-61.32	-18.238	Pass
3DH5	2402	2400	3.697	-54.67	-16.303	Pass
3DH5	2480	2483.5	4.431	-59.98	-15.569	Pass
1DH5-Hopping	2402	2400	6.637	-55.76	-13.363	Pass
1DH5-Hopping	2480	2483.5	6.941	-59.56	-13.059	Pass
2DH5-Hopping	2402	2400	4.641	-52.07	-15.359	Pass
2DH5-Hopping	2480	2500	4.882	-60.35	-15.118	Pass
3DH5-Hopping	2402	2400	3.751	-56.26	-16.249	Pass
3DH5-Hopping	2480	2483.5	5.254	-59.58	-14.746	Pass

Test Graph

Graphs	
GFSK/LCH/No Hop	
GFSK/HCH/No Hop	

π/4DQPSK/LCH/No Hop



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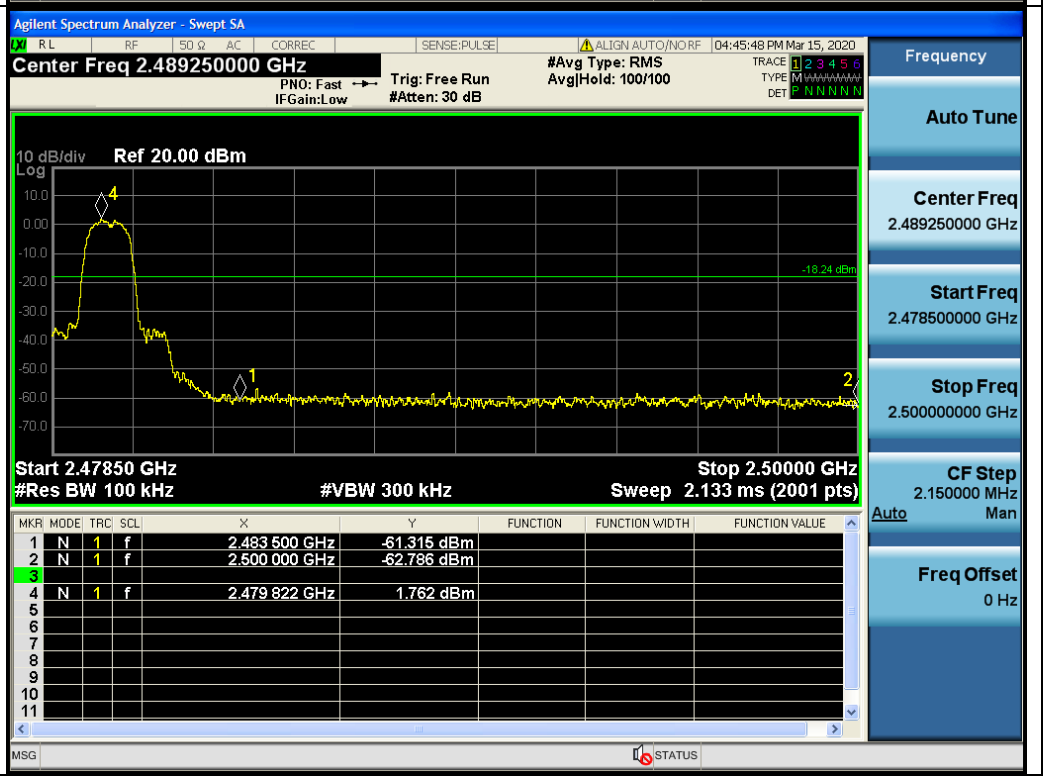
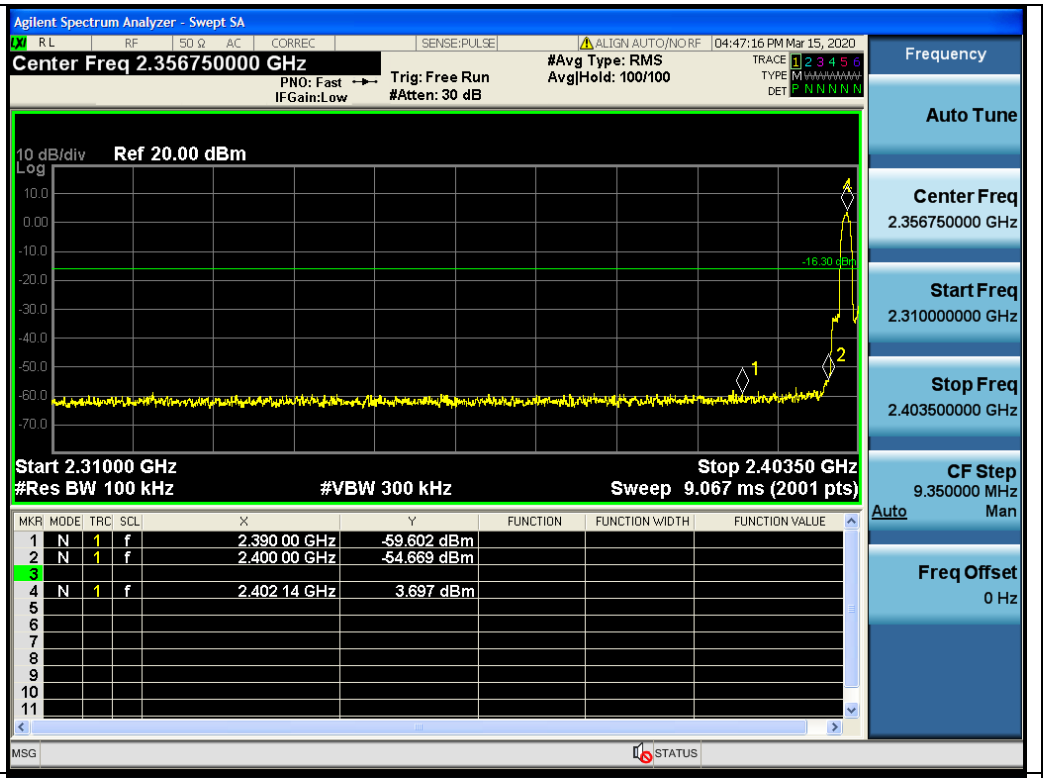
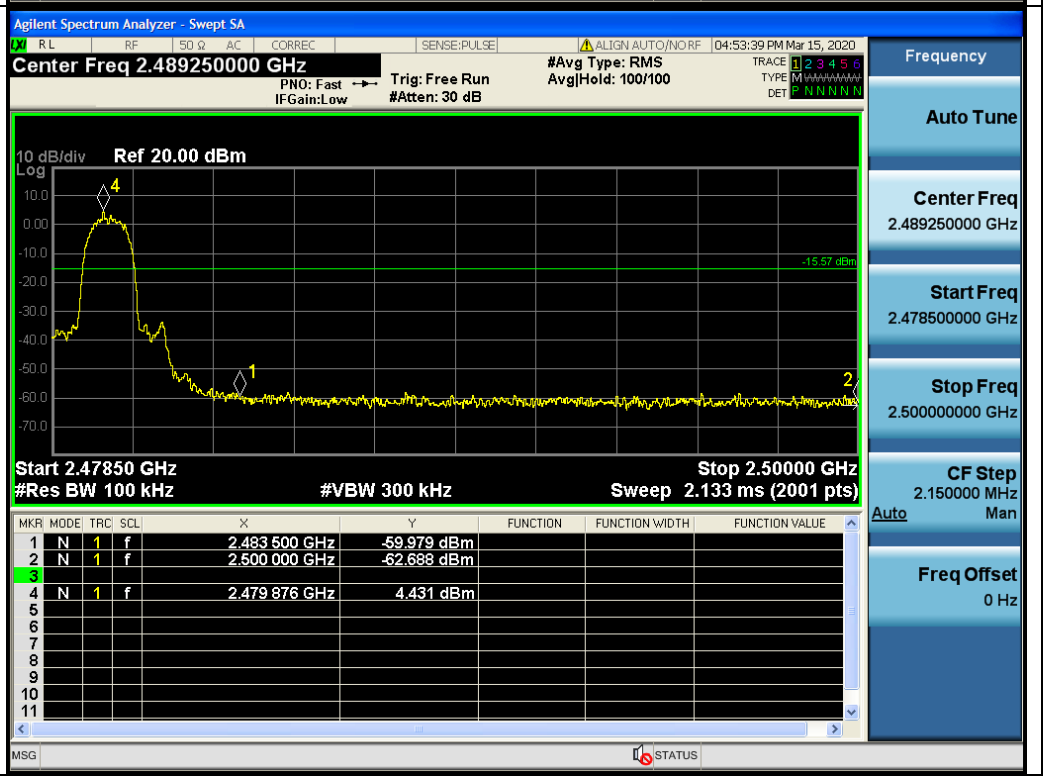
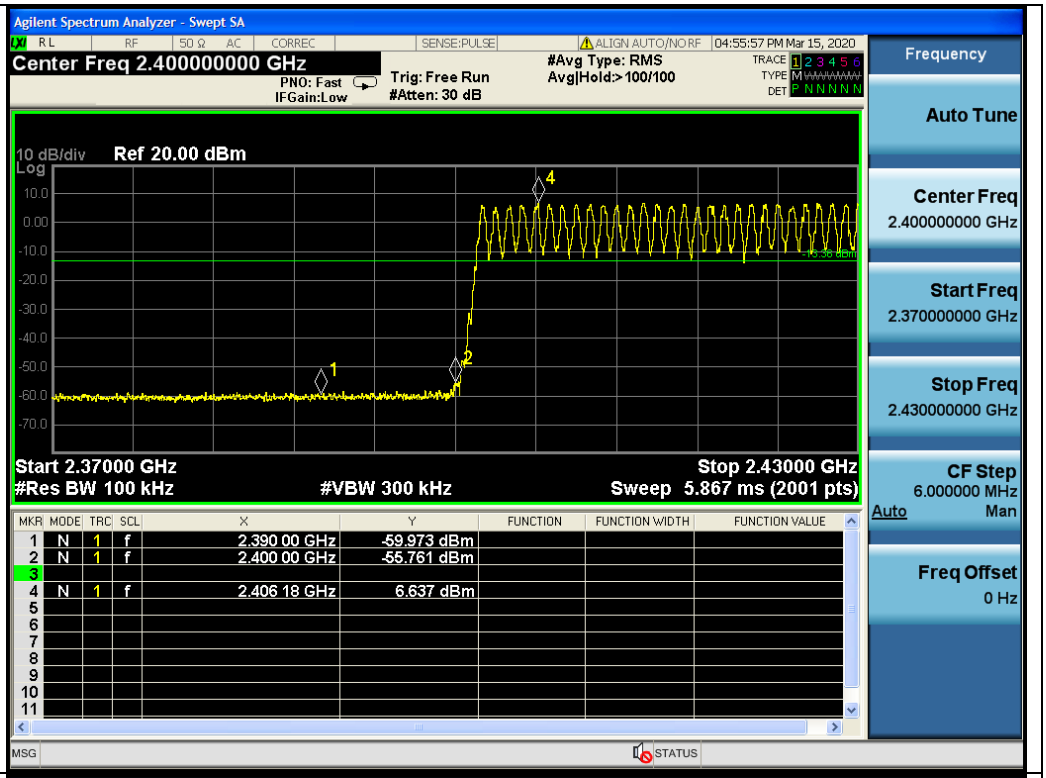
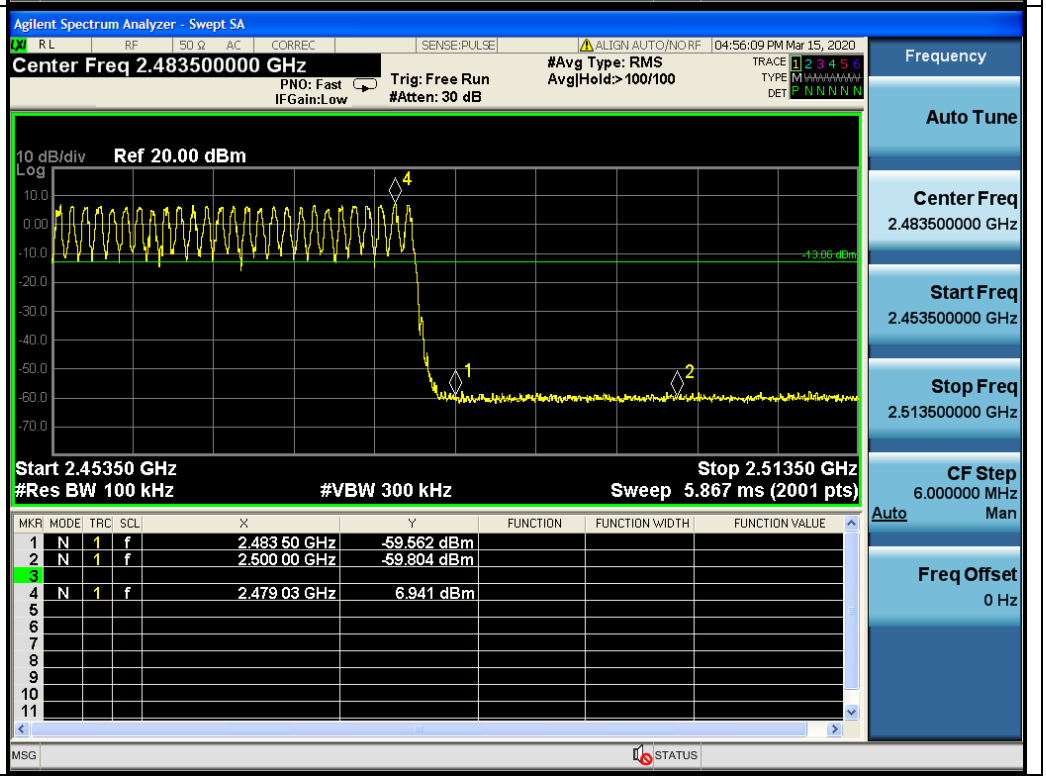


8DPSK/LCH/No Hop	
8DPSK/HCH/No Hop	

GFSK/LCH/Hop	
GFSK/HCH/Hop	

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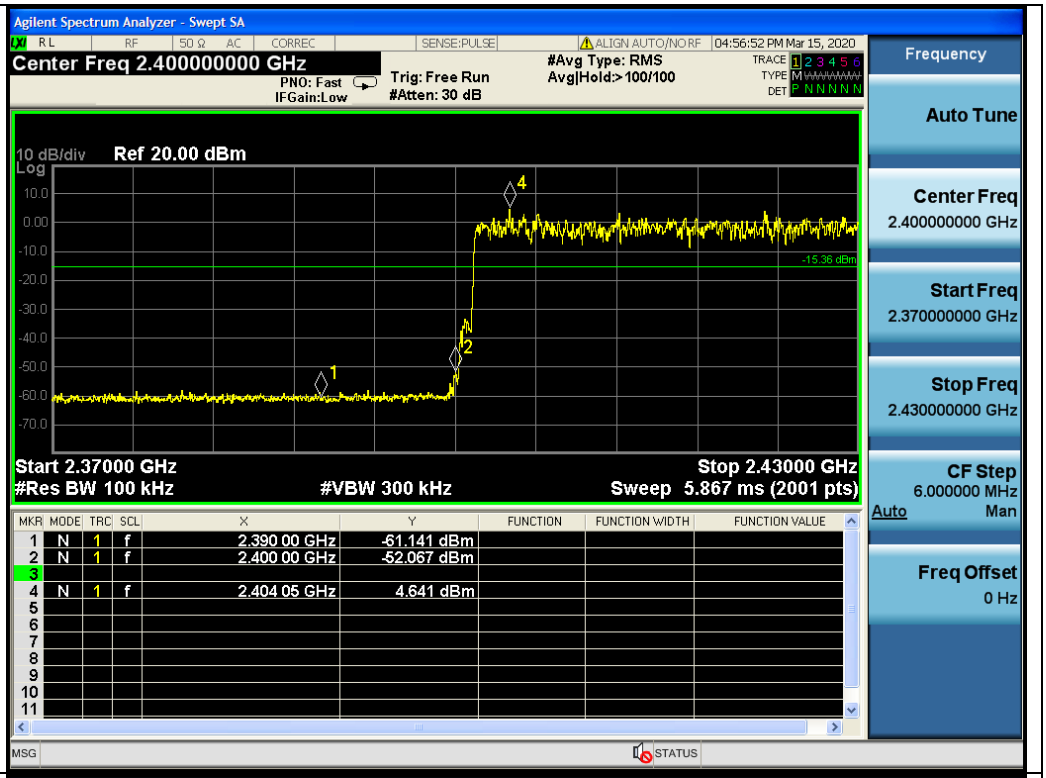

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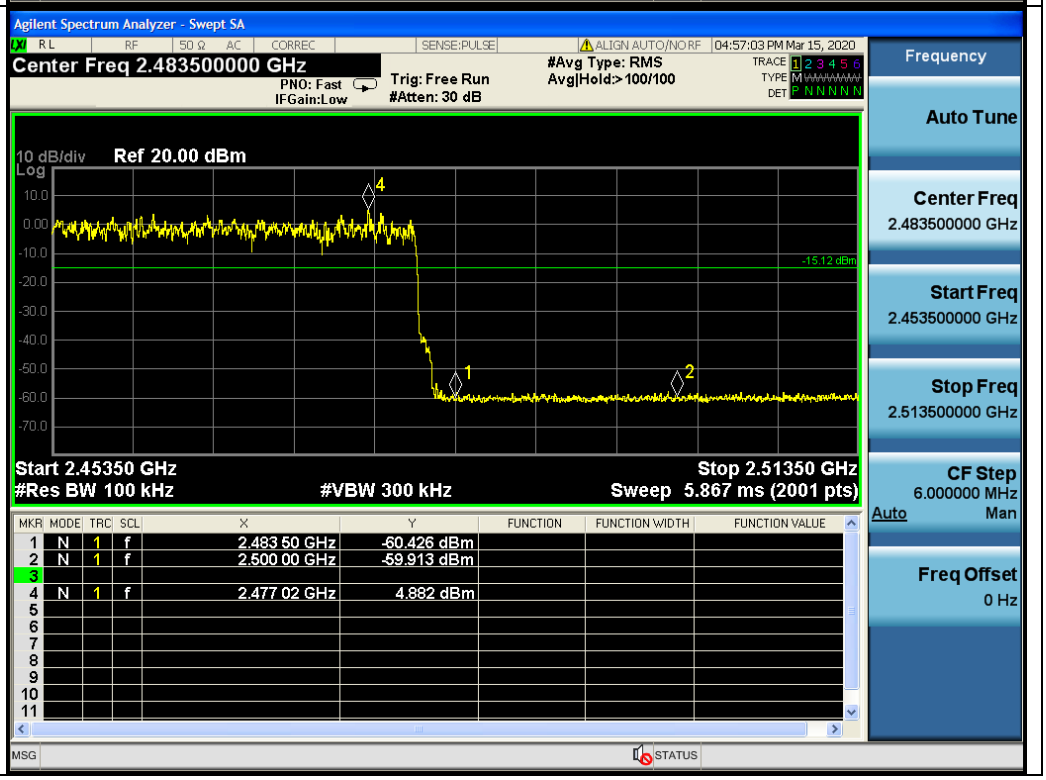
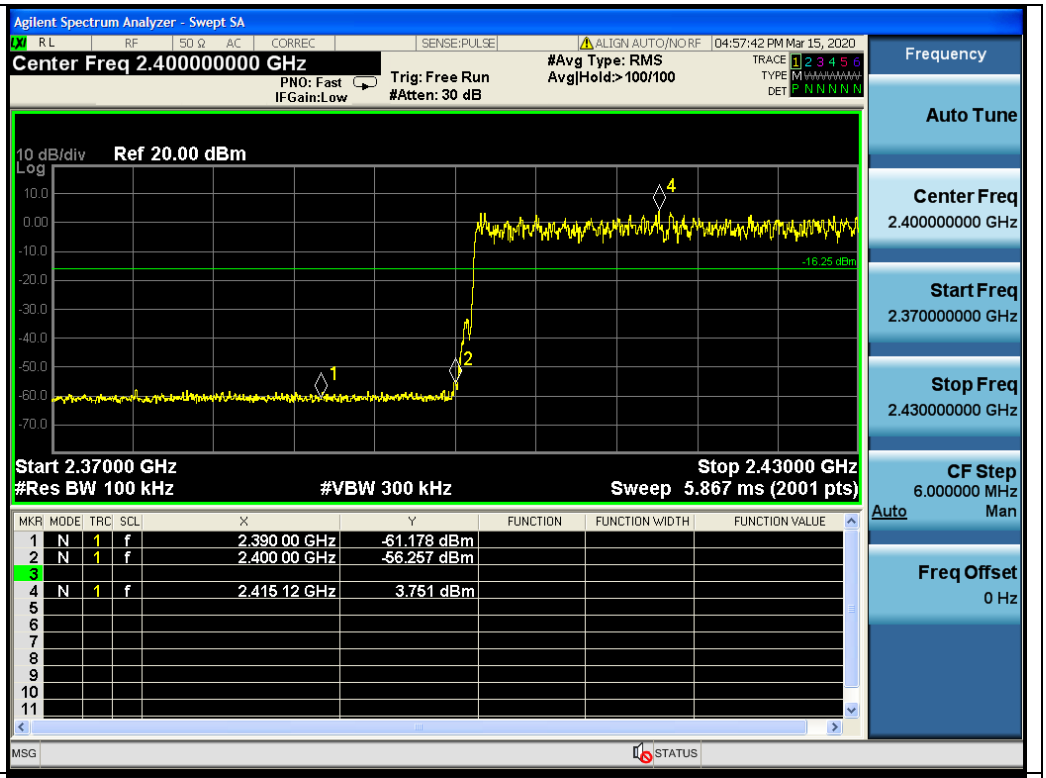
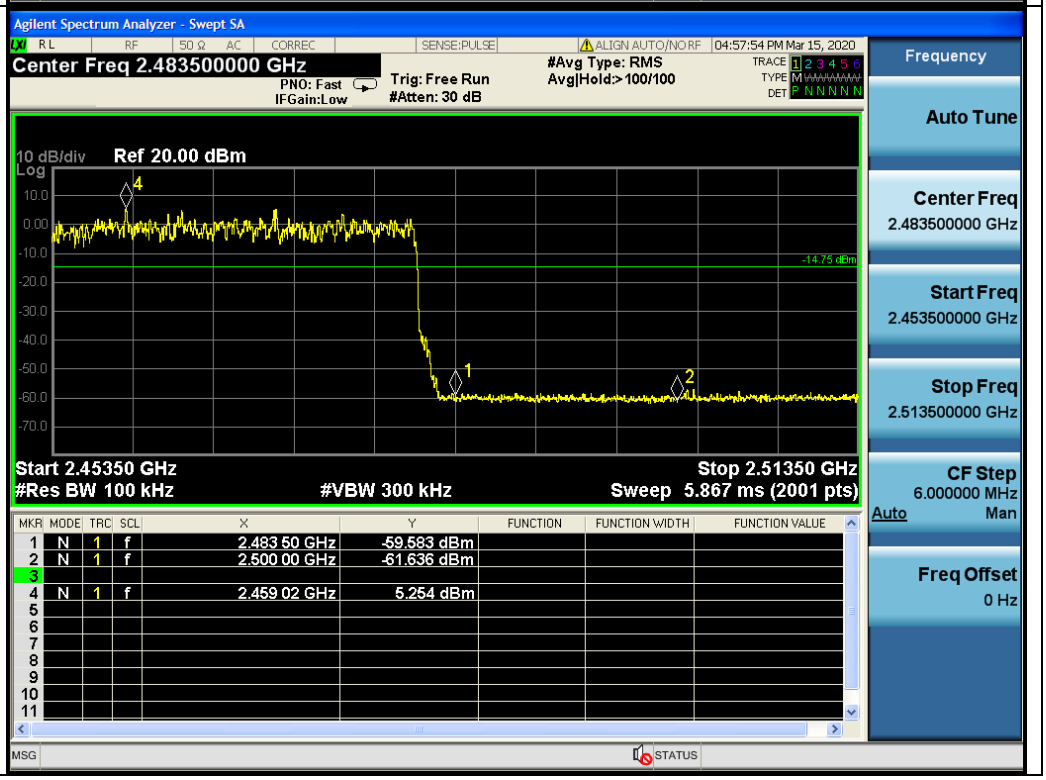
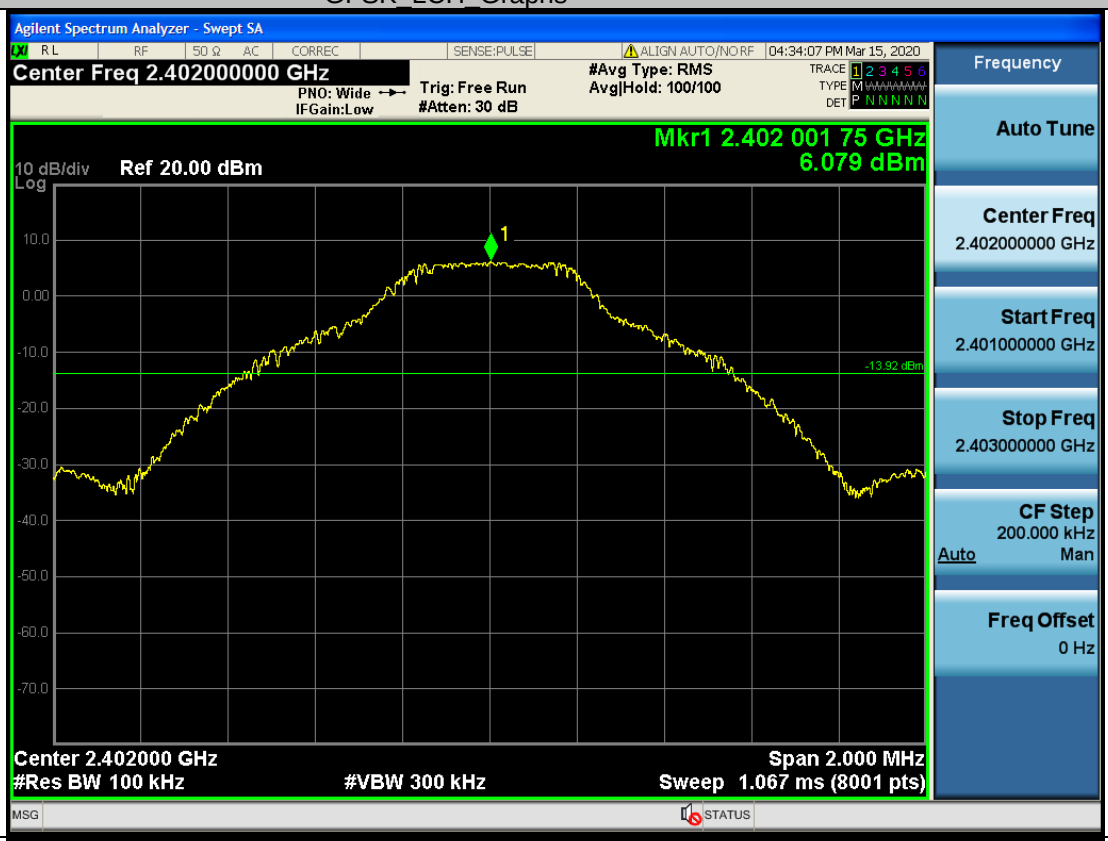
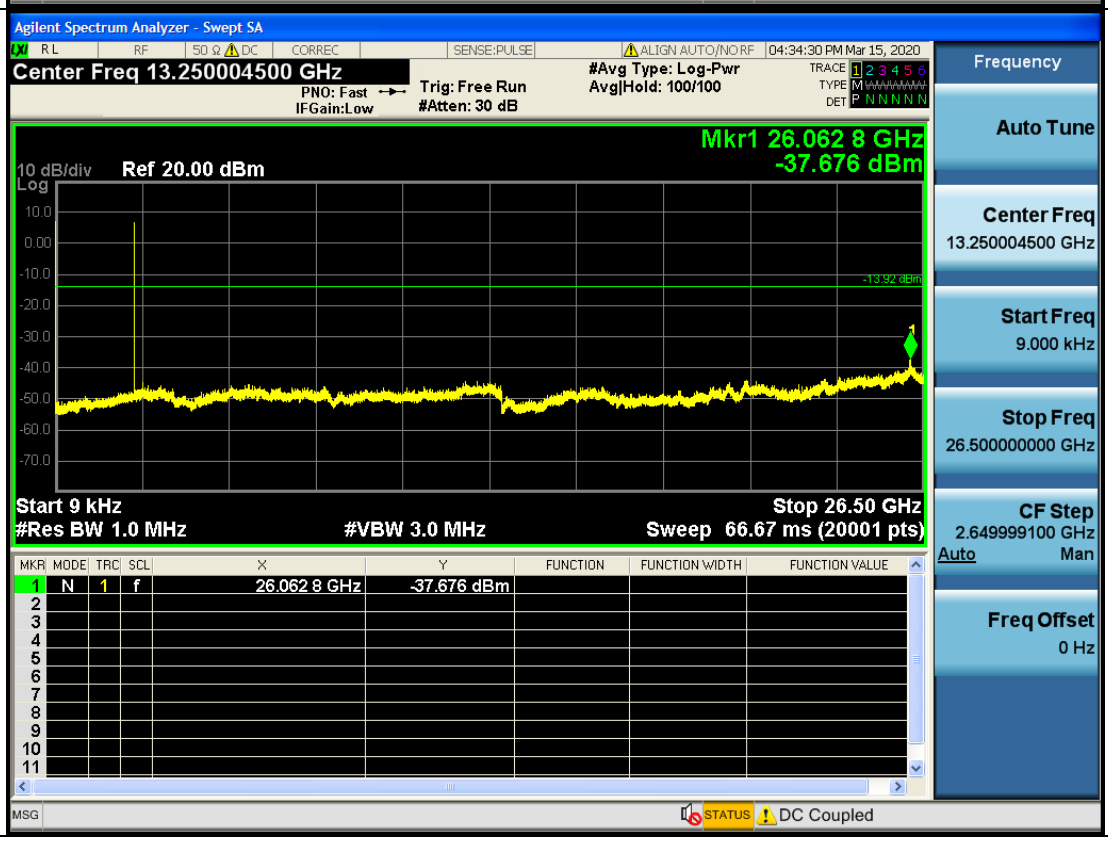


8DPSK/LCH/Hop	
8DPSK/HCH/Hop	

A.7 RF Conducted Spurious Emissions

Test Graph

GFSK_LCH_Graphs	
Pref	
Puw	

GFSK_MCH_Graphs	
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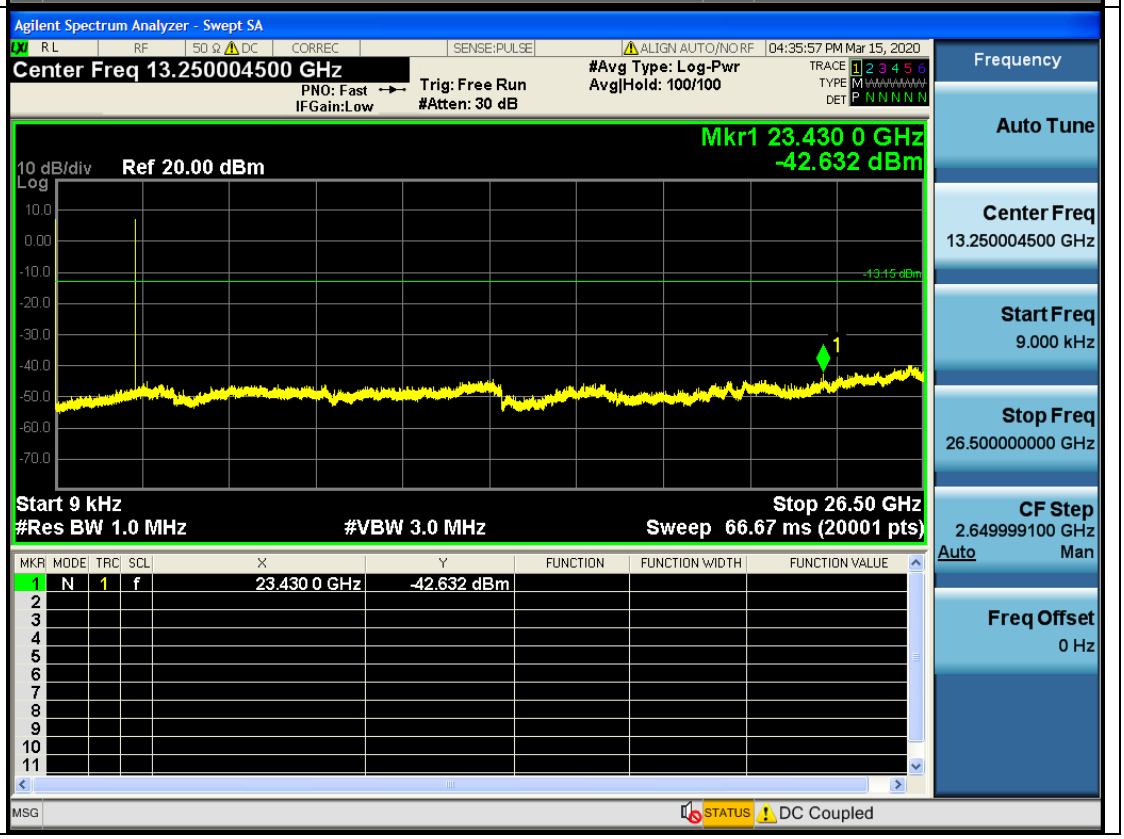
Puw	

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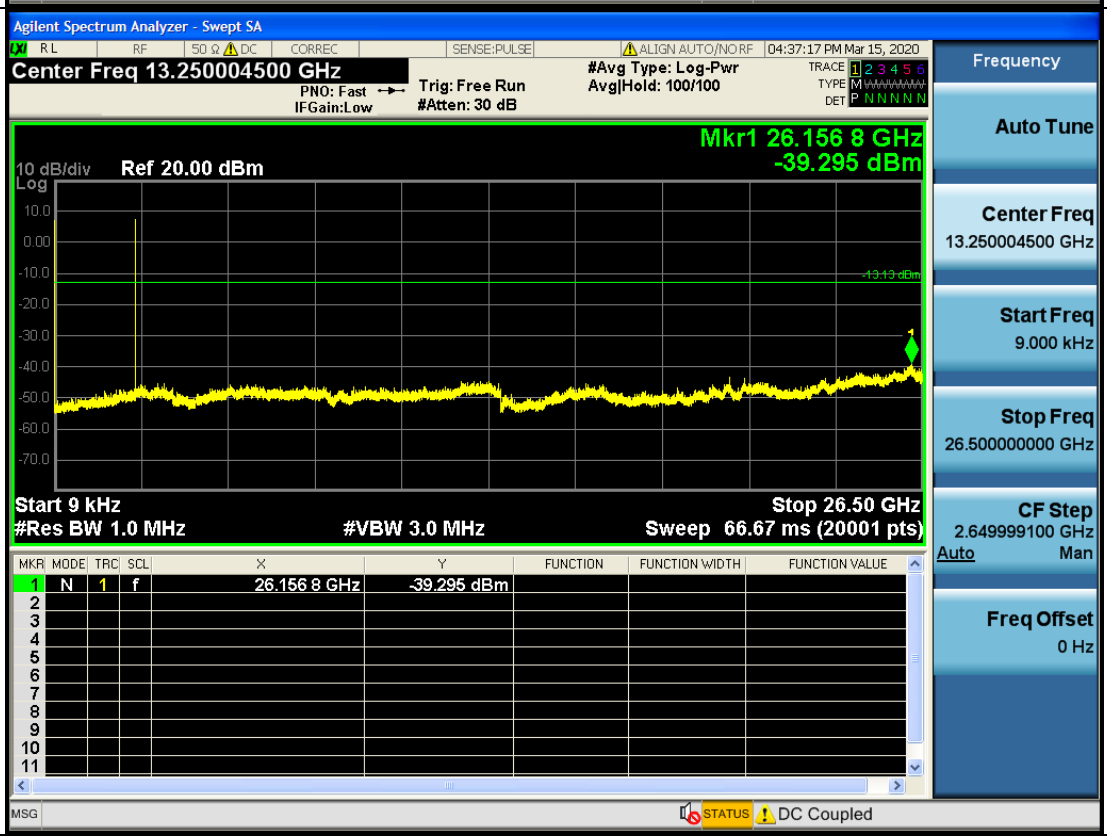
Puw	

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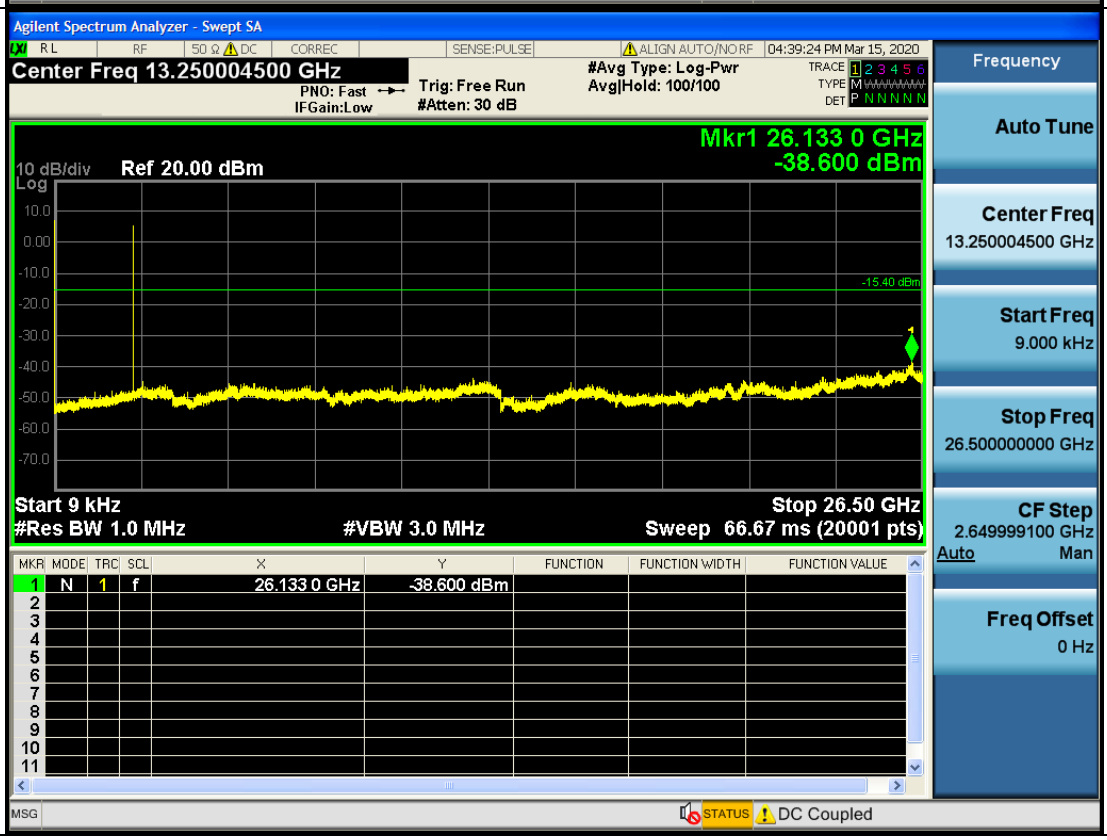
Puw	

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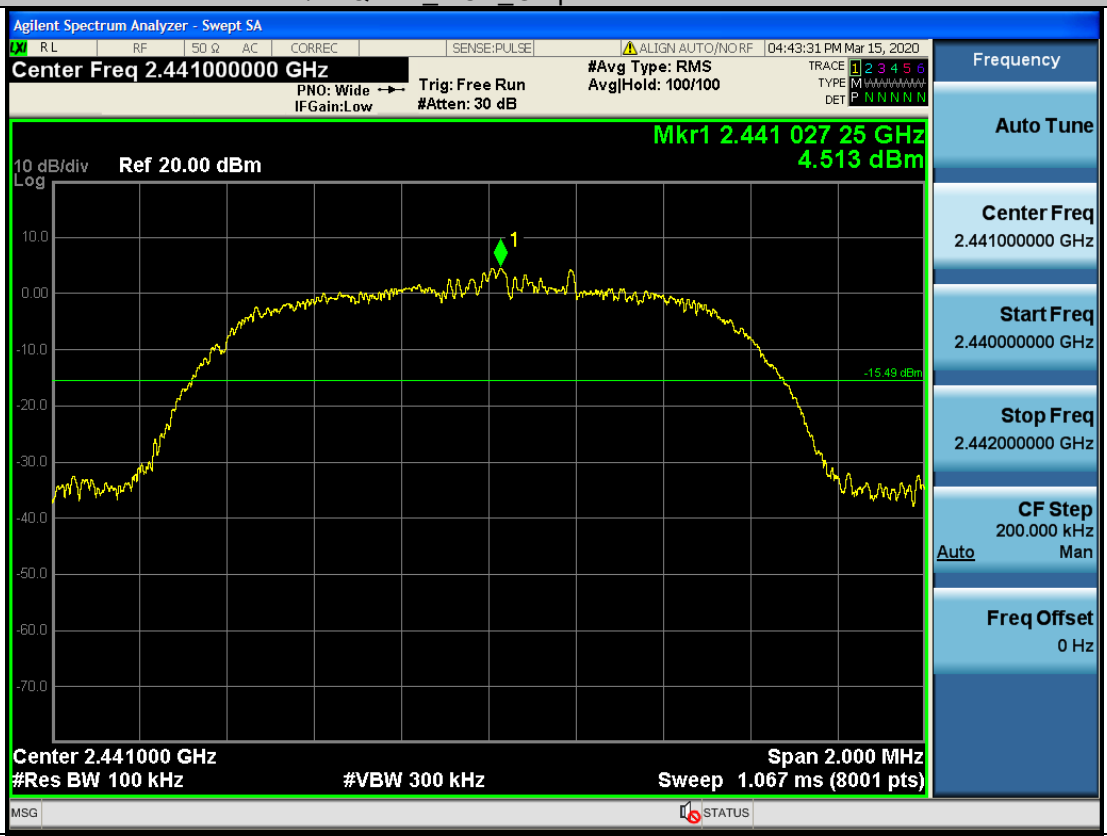
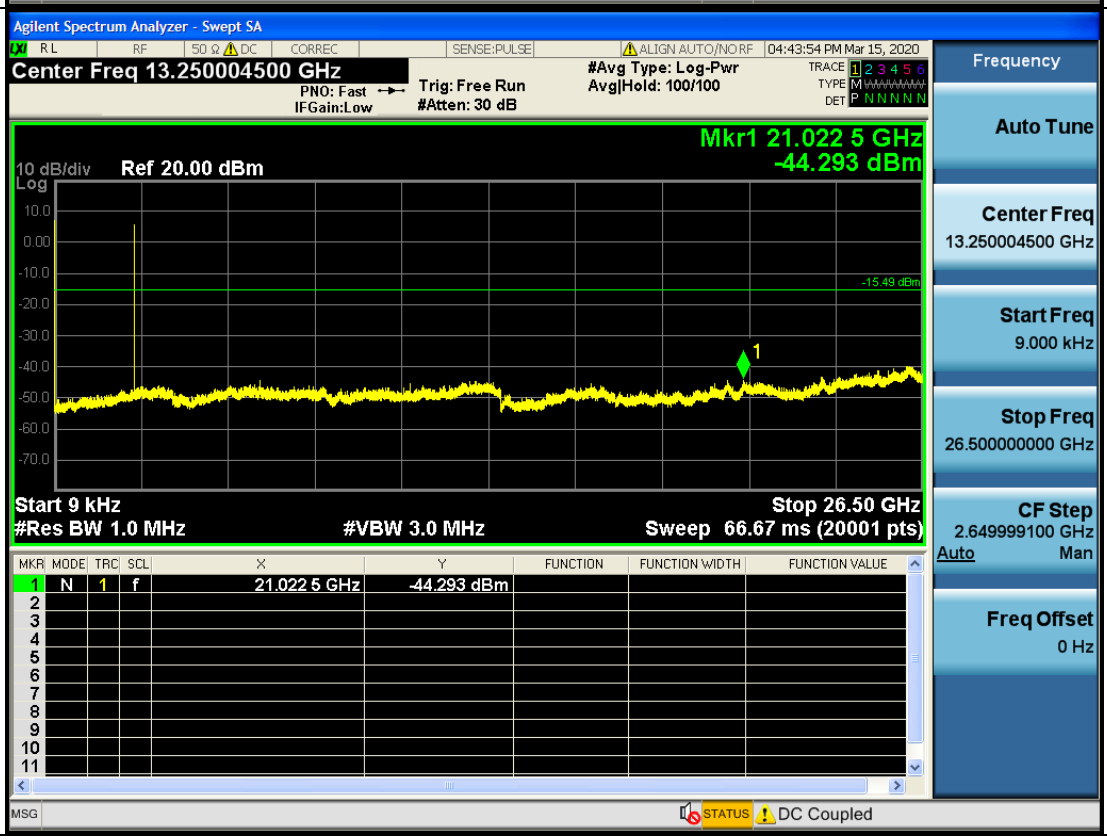
Pref	
Puw	

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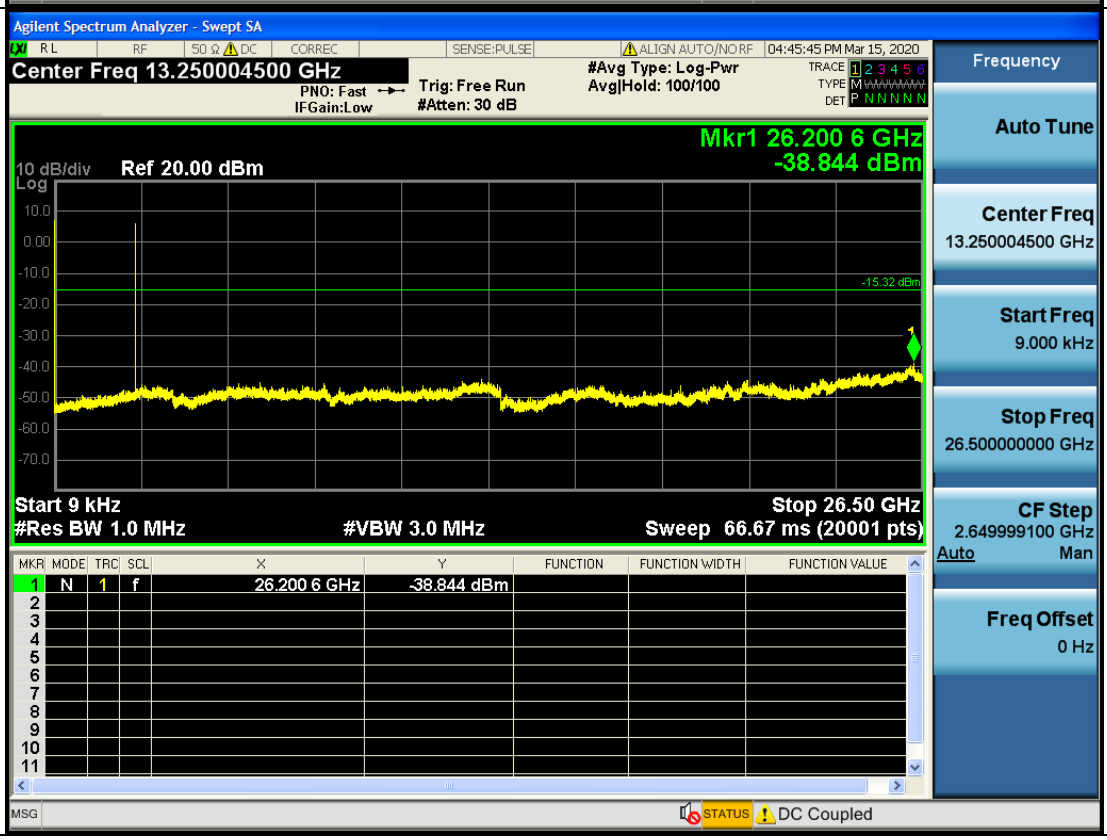
Puw	

8DPSK_LCH_Graphs	
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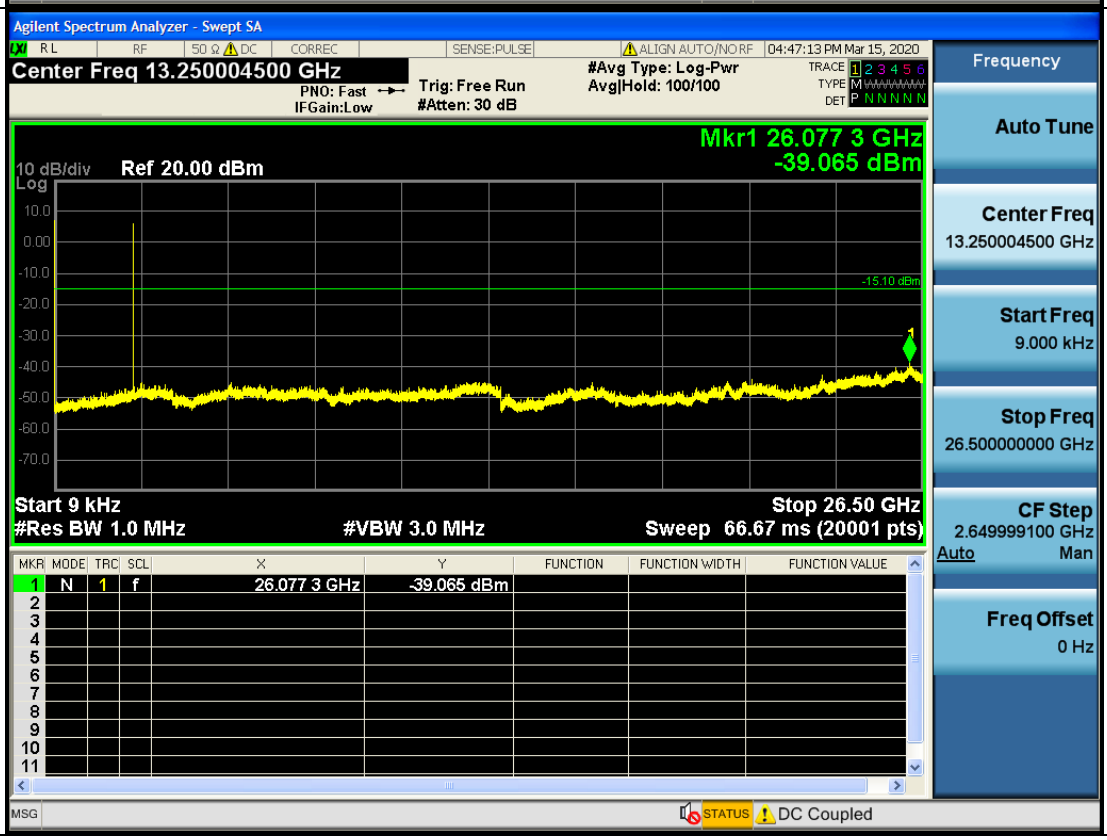
Puw	

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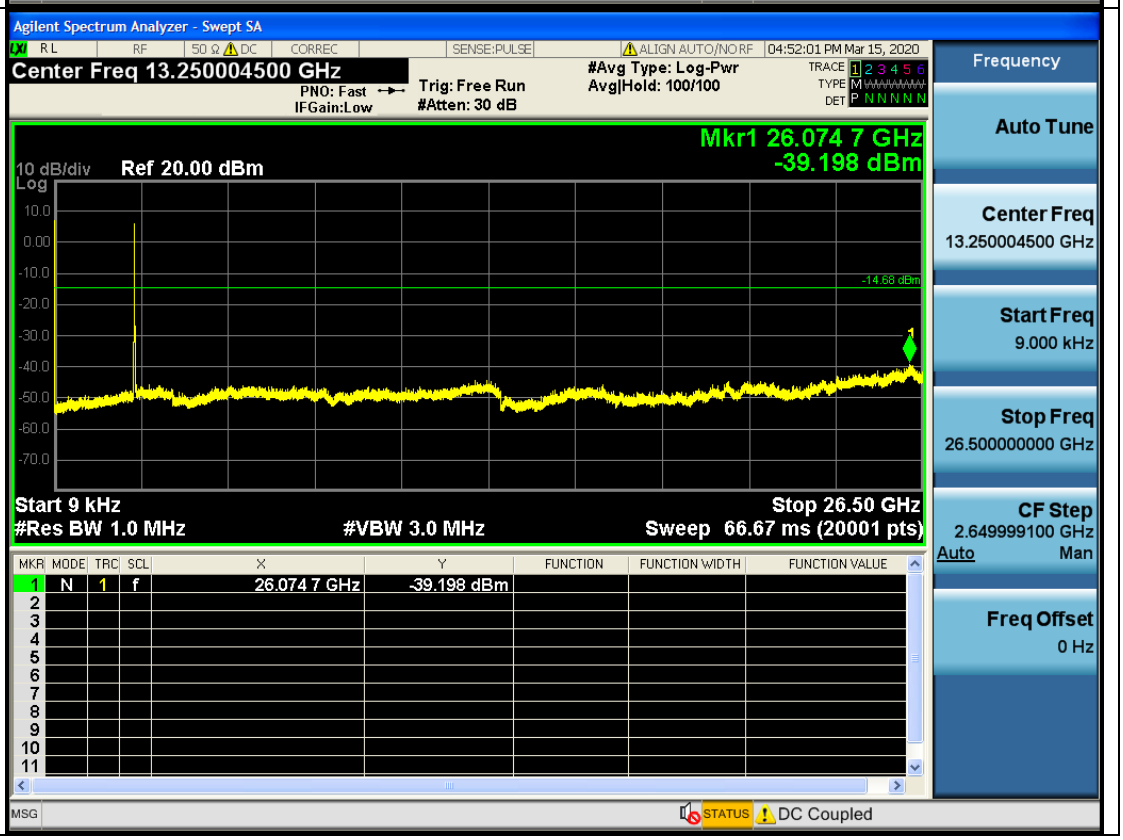
Puw	

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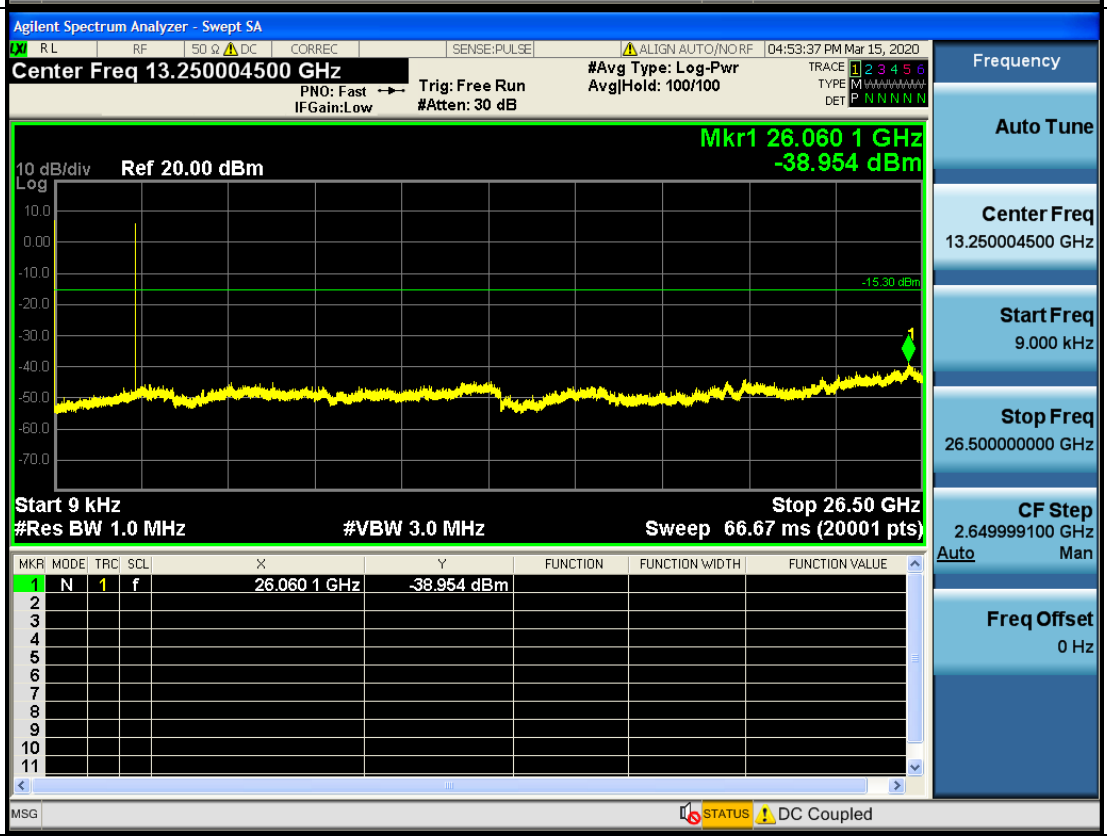
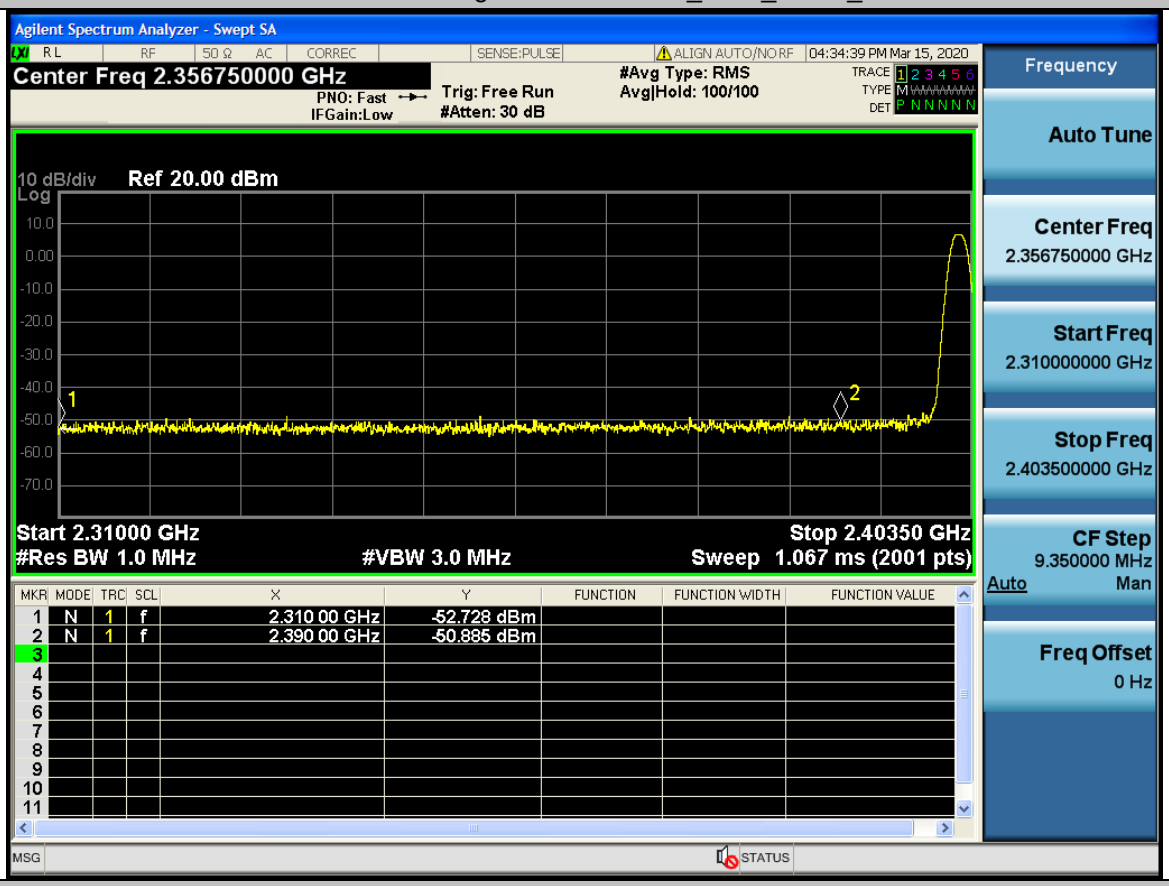
Puw	

A.8 Restrict-band band-edge measurements

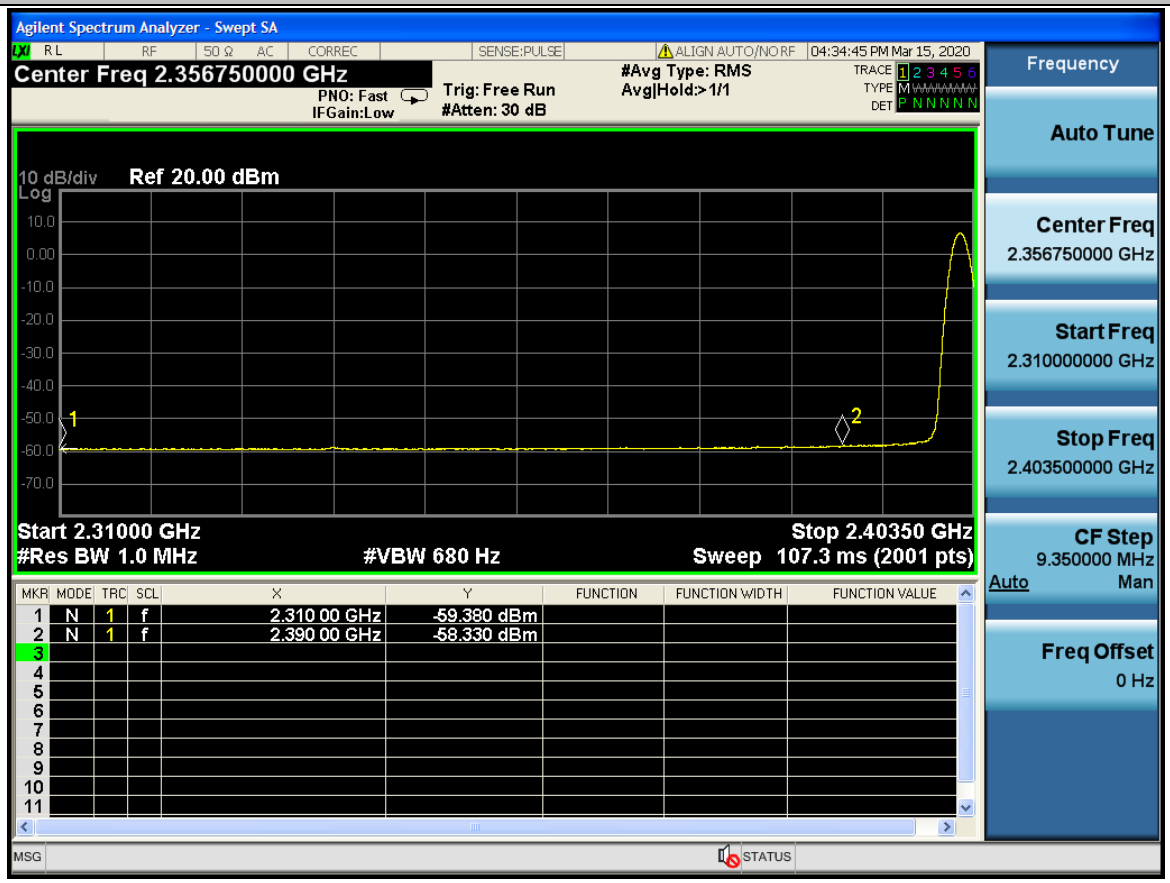
Type	Carrier Frequency (MHz)	Frequency (MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2390	2.00	0.00	-50.885	46.315	74	Pass
1DH5	2480	2483.5	2.00	0.00	-49.121	48.079	74	Pass
2DH5	2402	2390	2.00	0.00	-50.918	46.282	74	Pass
2DH5	2480	2483.5	2.00	0.00	-48.153	49.047	74	Pass
3DH5	2402	2310	2.00	0.00	-50.982	46.218	74	Pass
3DH5	2480	2483.5	2.00	0.00	-51.576	45.624	74	Pass

Type	Carrier Frequency (MHz)	Frequency (MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2390	2.00	0.00	-58.33	38.87	54	Pass
1DH5	2480	2483.5	2.00	0.00	-50.167	47.033	54	Pass
2DH5	2402	2390	2.00	0.00	-58.246	38.954	54	Pass
2DH5	2480	2483.5	2.00	0.00	-50.602	46.598	54	Pass
3DH5	2402	2310	2.00	0.00	-58.347	38.853	54	Pass
3DH5	2480	2483.5	2.00	0.00	-50.544	46.656	54	Pass

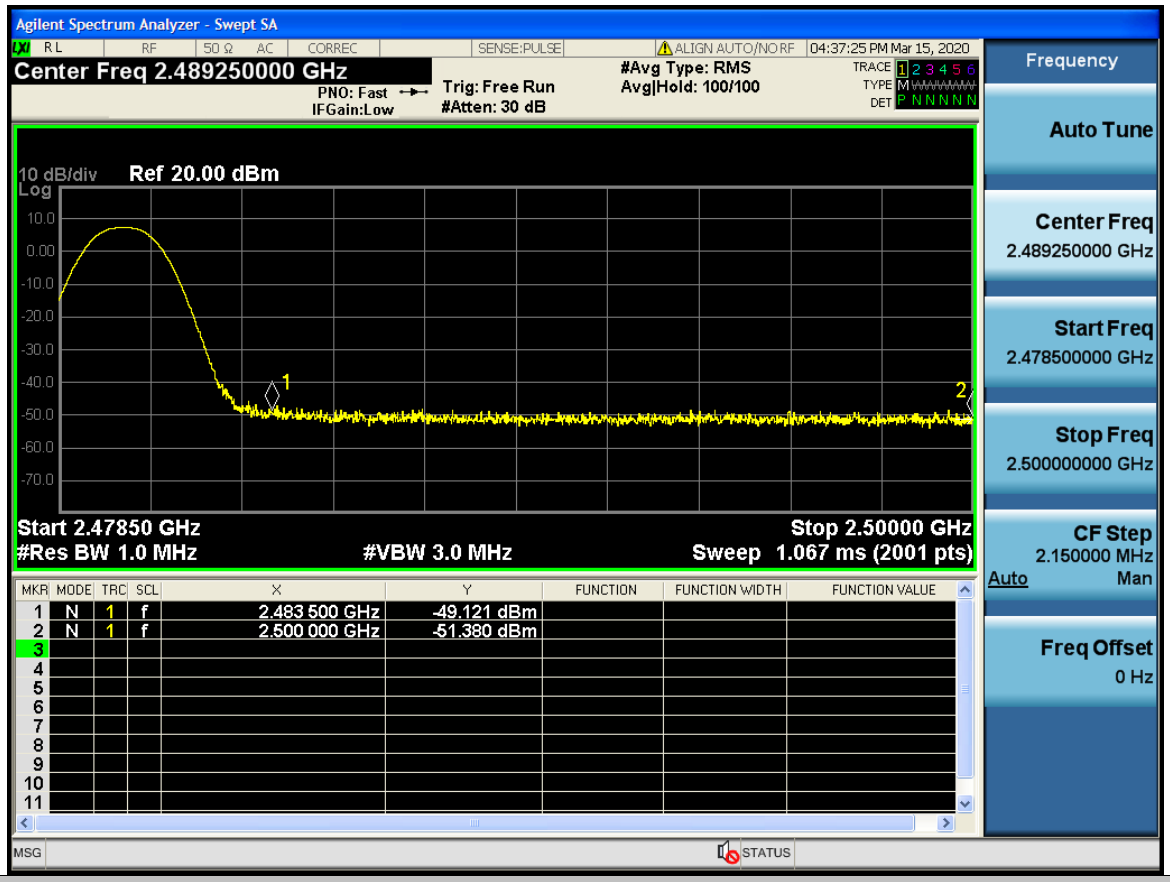
Restrict-band band-edge measurements_2402_PEAK_DH5



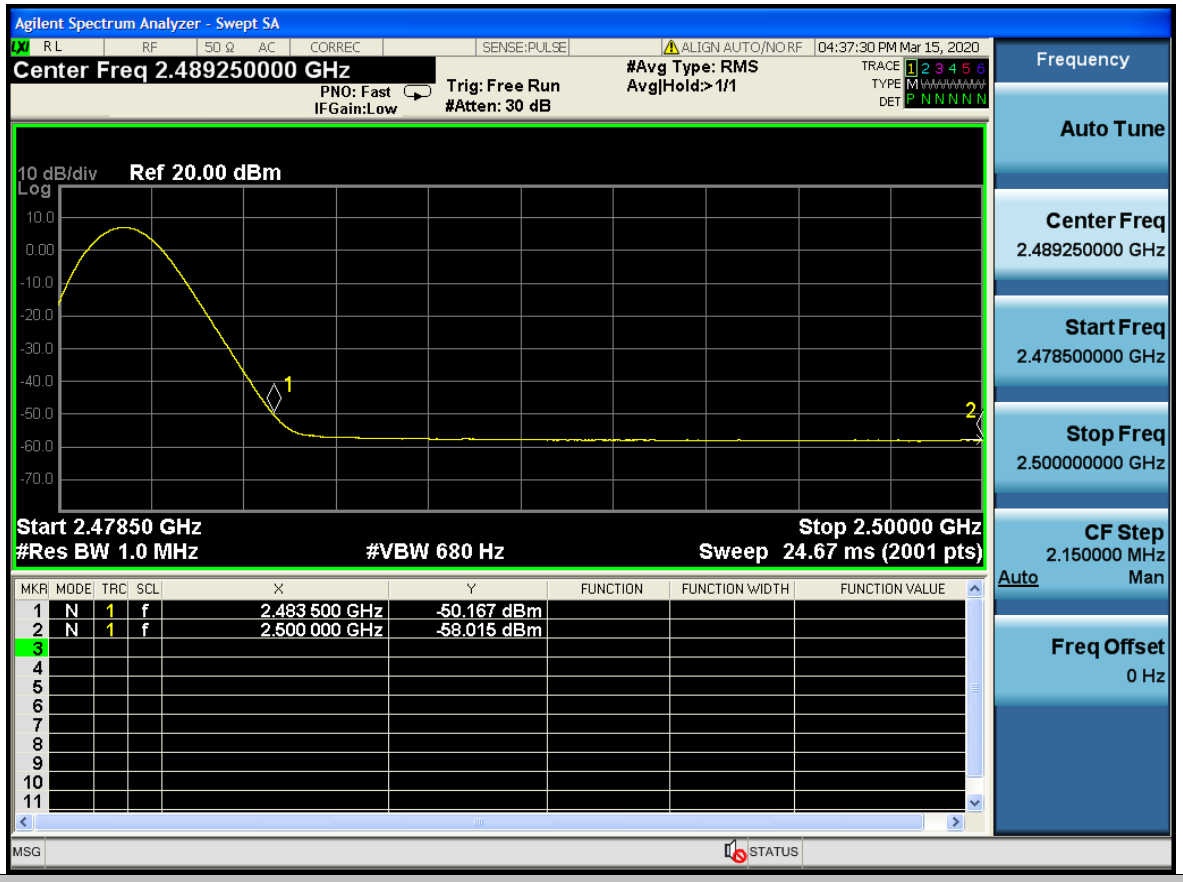
Restrict-band band-edge measurements_2402_AV_DH5



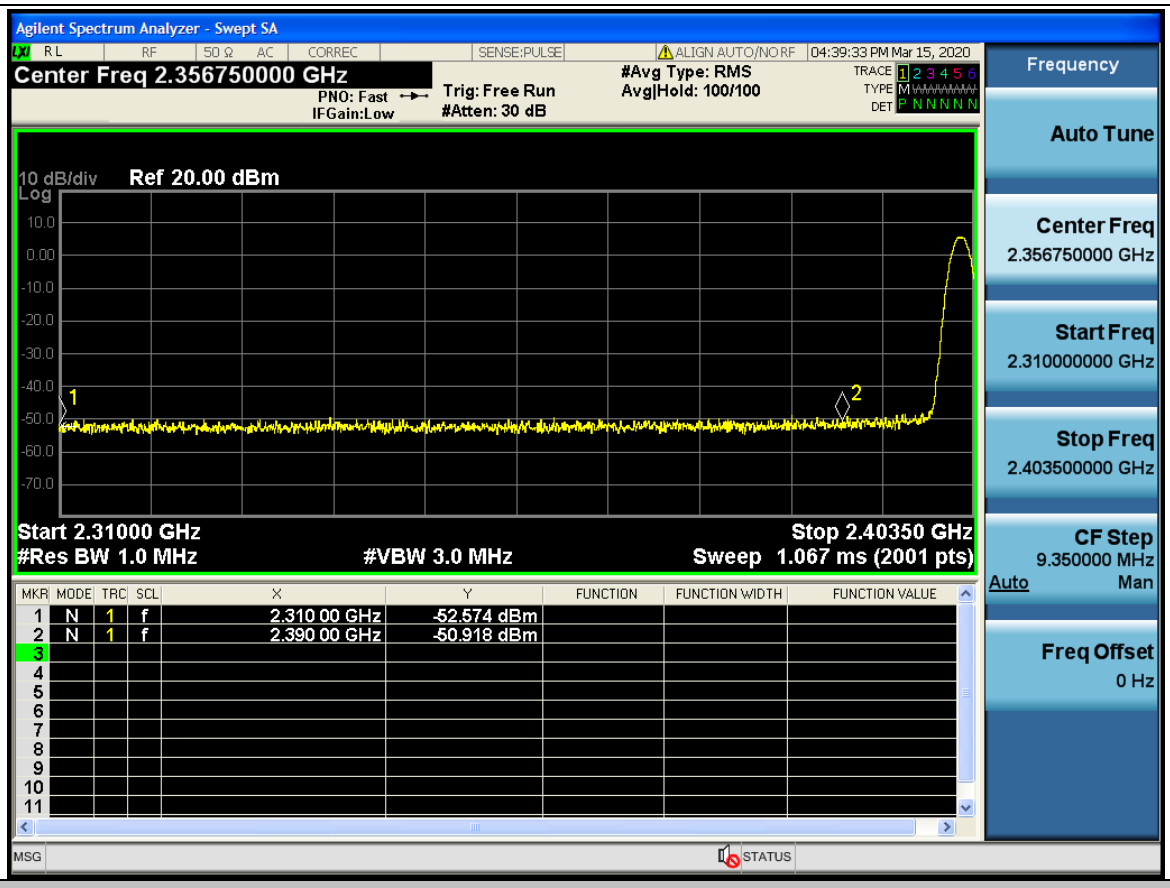
Restrict-band band-edge measurements_2480_PEAK_DH5



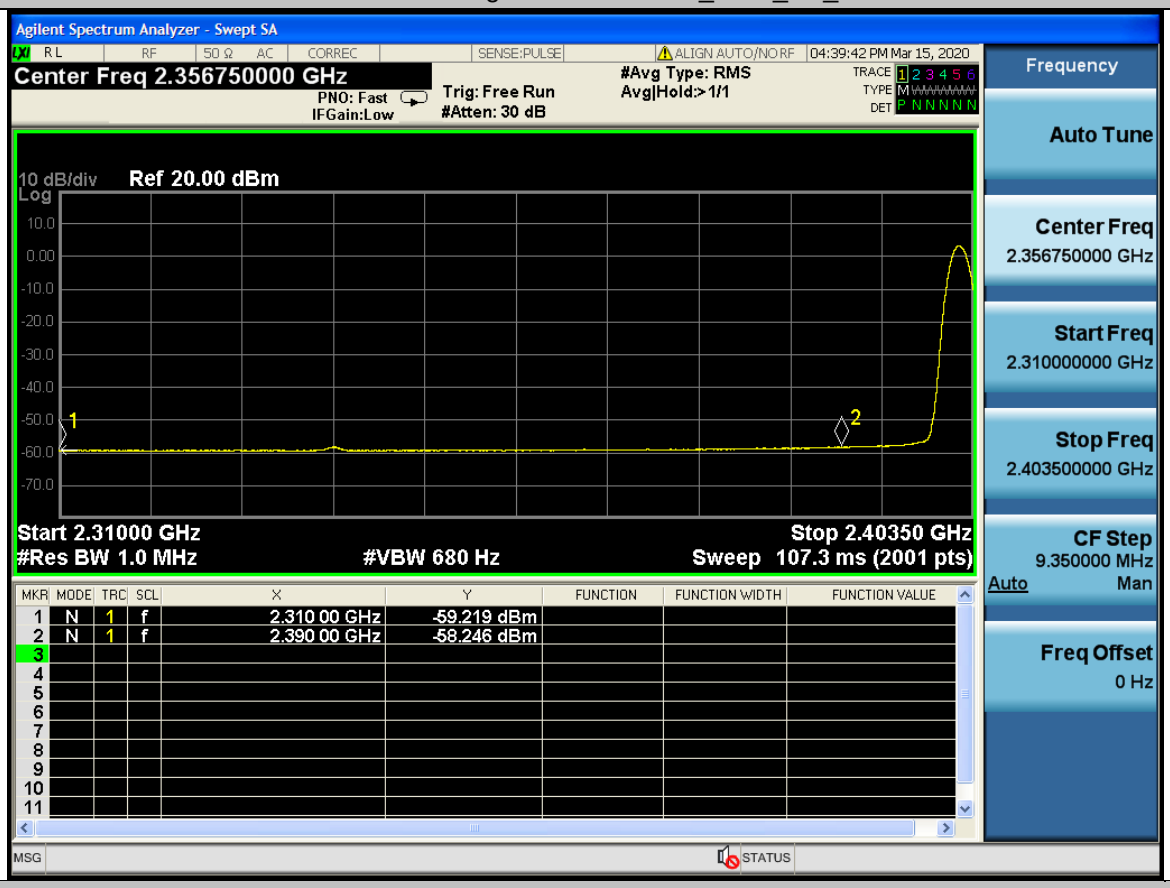
Restrict-band band-edge measurements_2480_AV_DH5



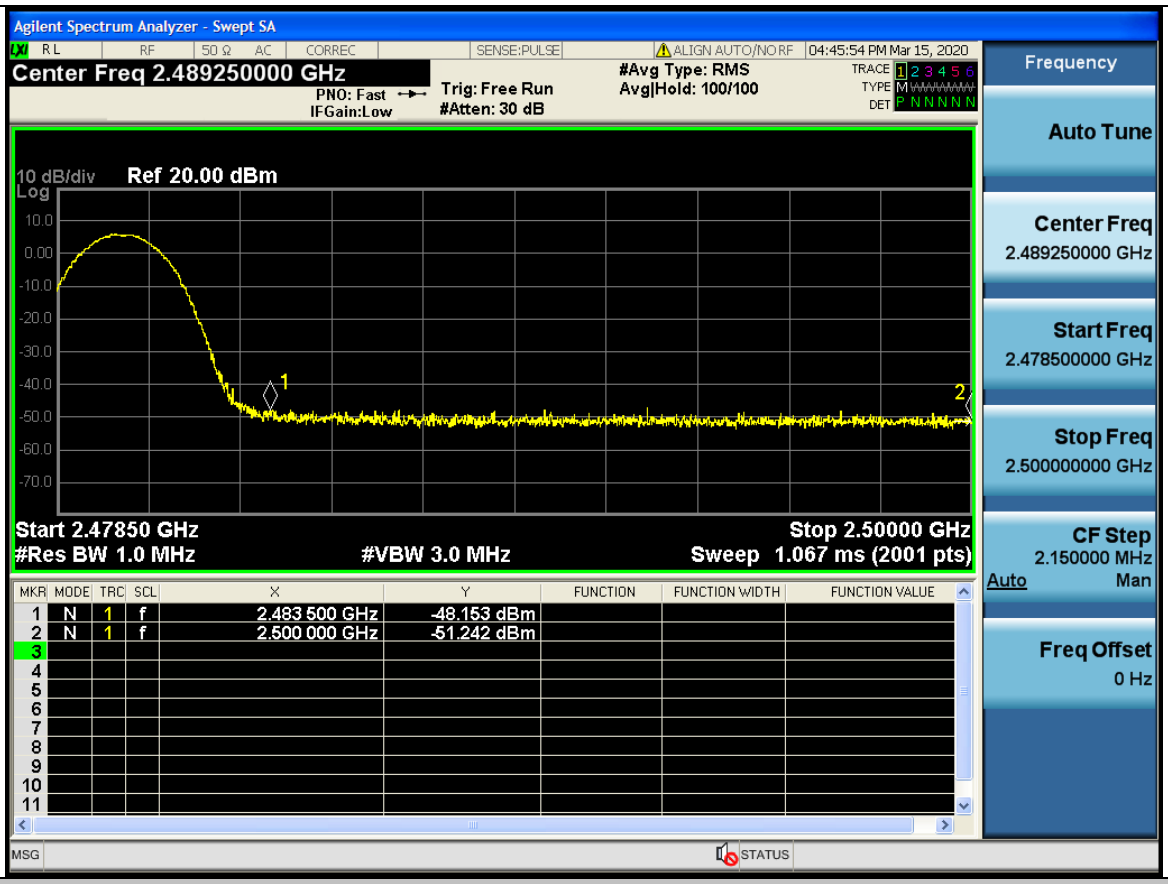
Restrict-band band-edge measurements_2402_PEAK_2DH5



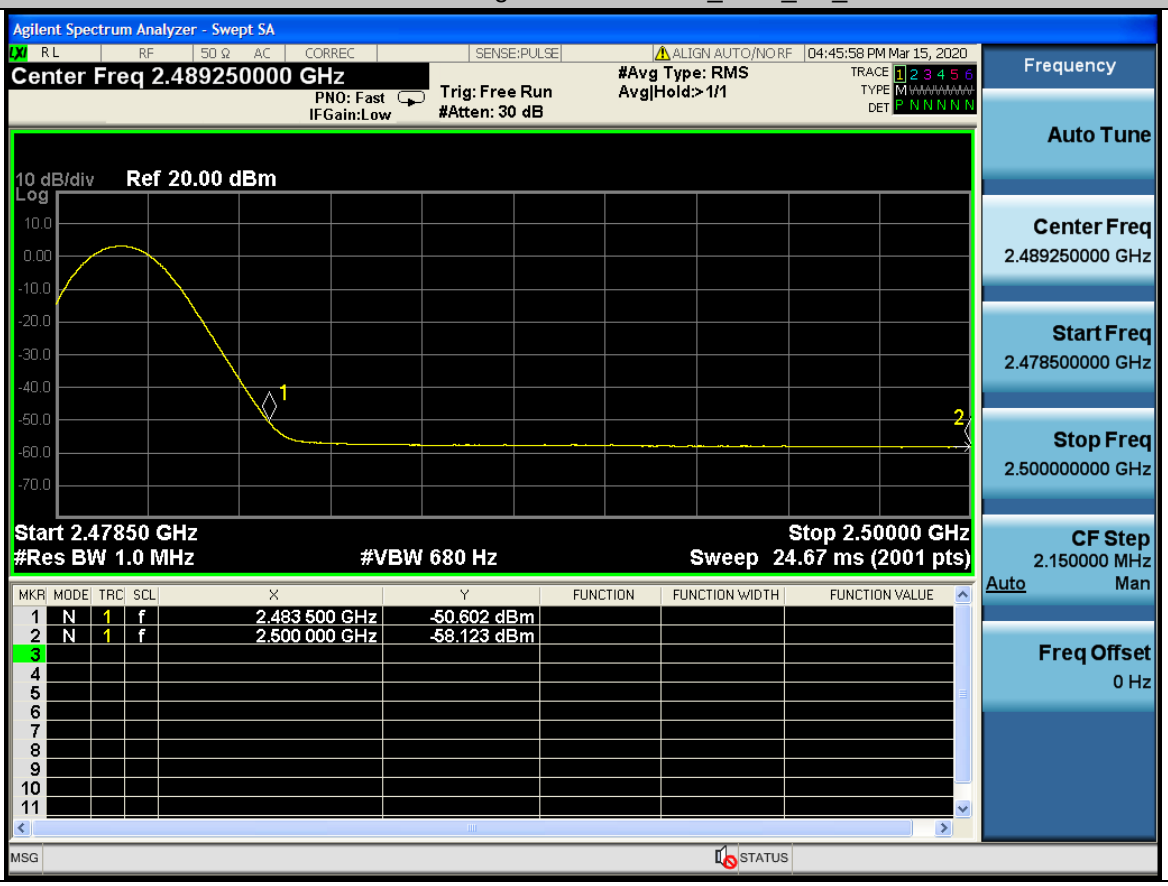
Restrict-band band-edge measurements_2402_AV_2DH5



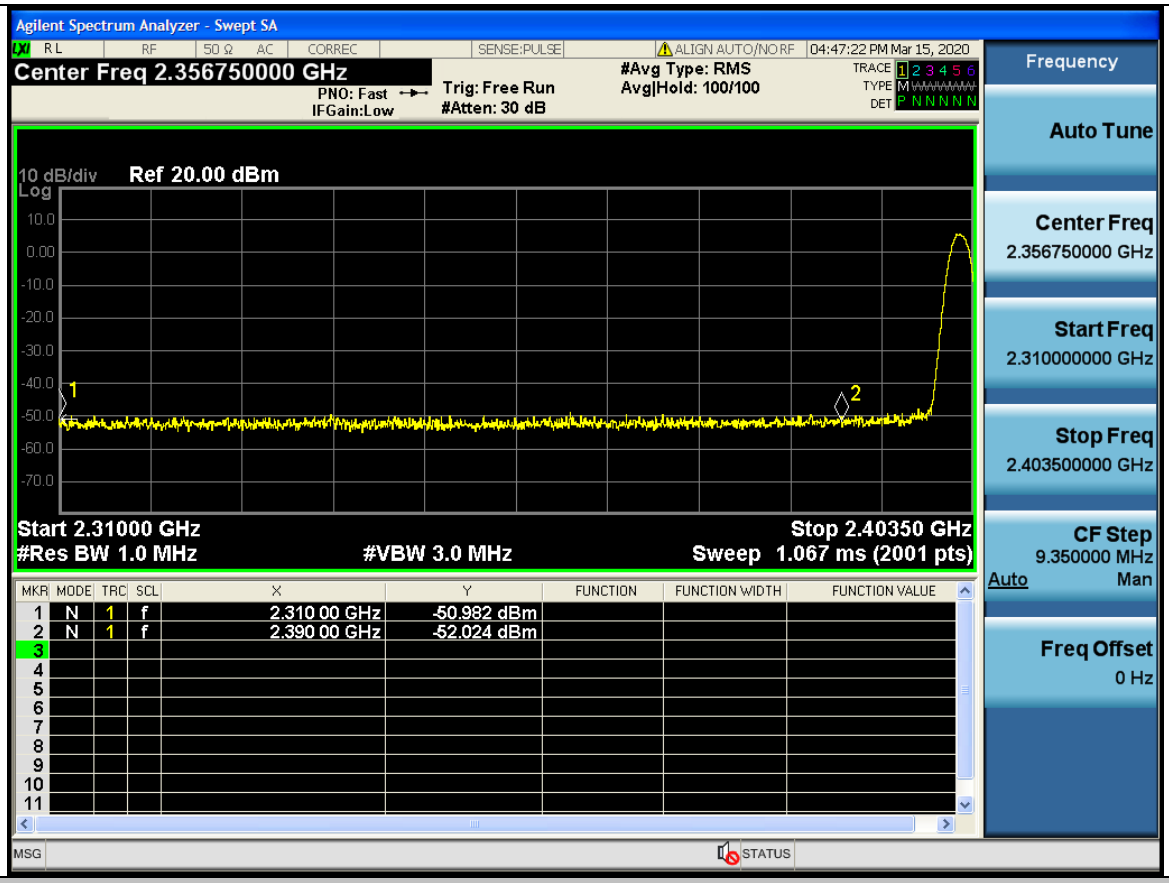
Restrict-band band-edge measurements_2480_PEAK_2DH5



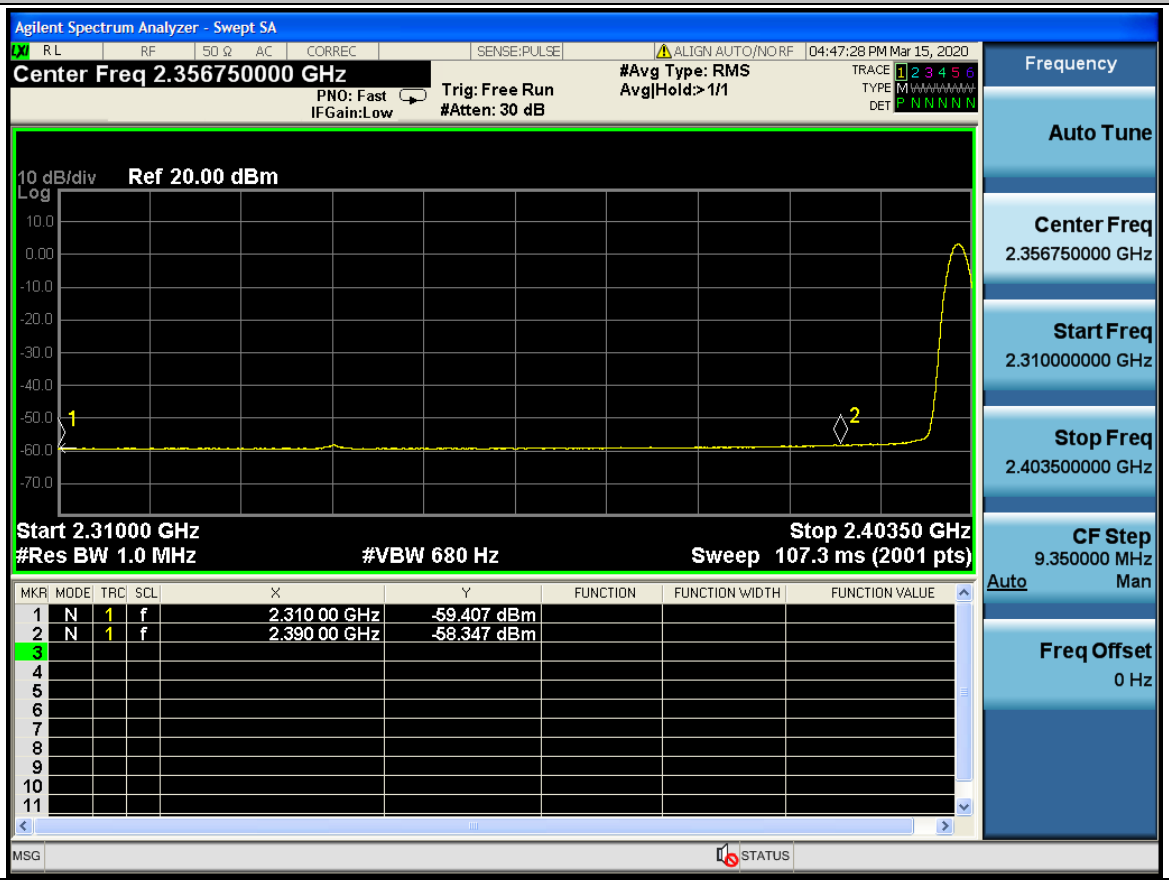
Restrict-band band-edge measurements_2480_AV_2DH5



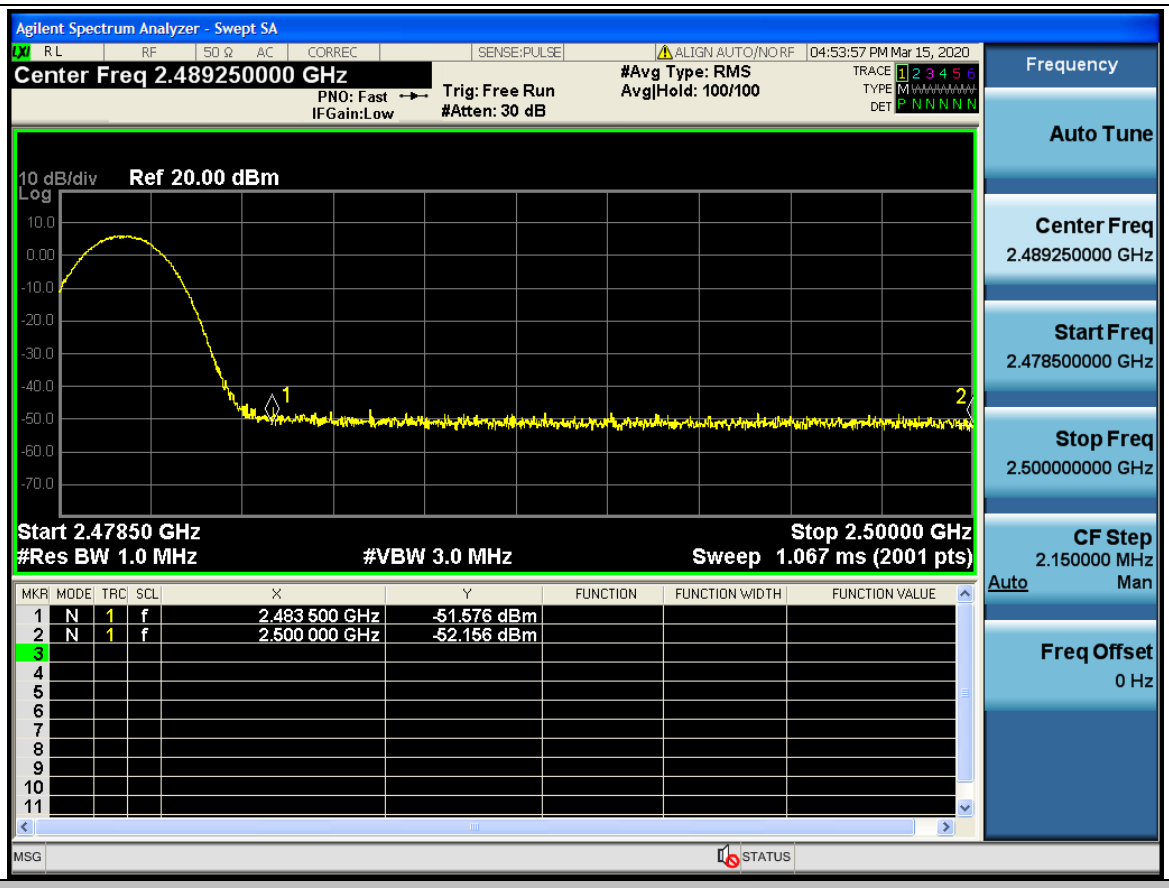
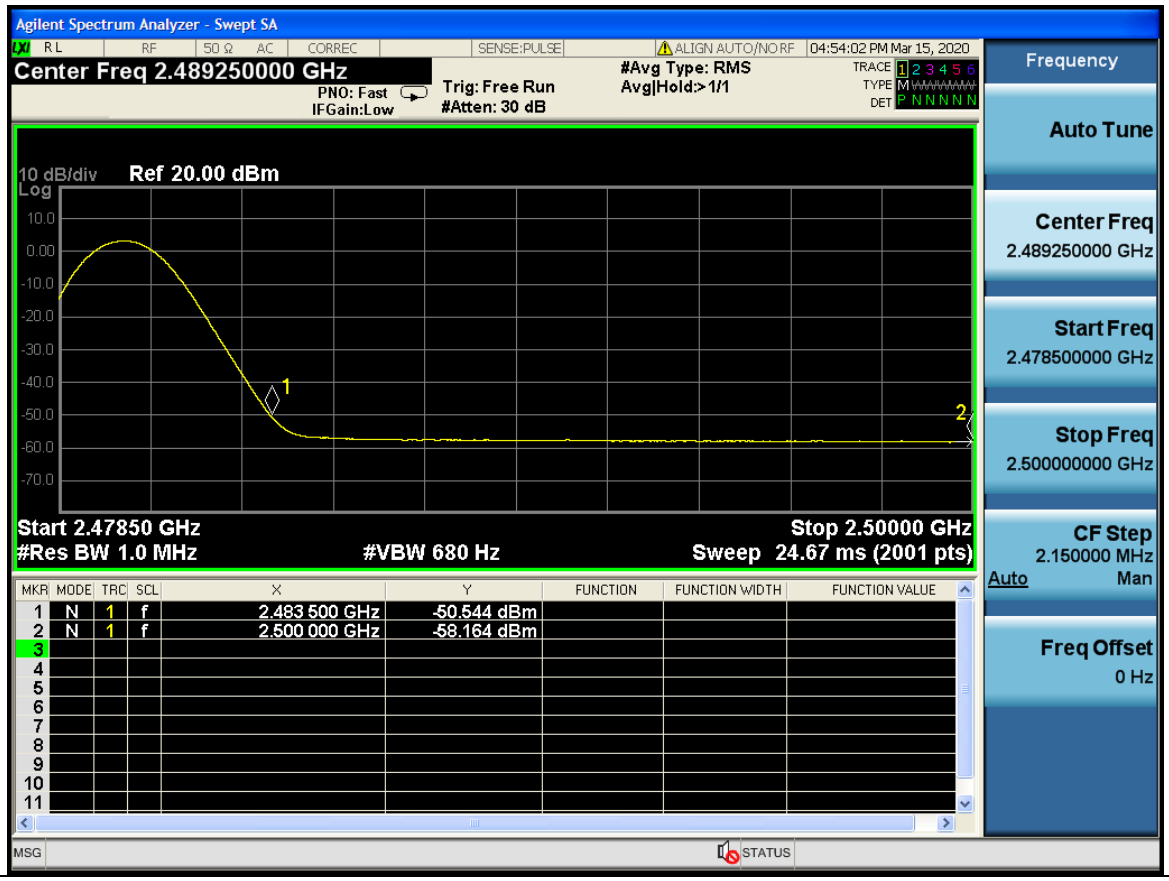
Restrict-band band-edge measurements_2402_PEAK_3DH5



Restrict-band band-edge measurements_2402_AV_3DH5



Restrict-band band-edge measurements_2480_PEAK_3DH5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