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

Product Name: Mobile Phone

Trade Mark: Uoshou

Test Model: S600A

FCC ID: 2ATE7-S600A

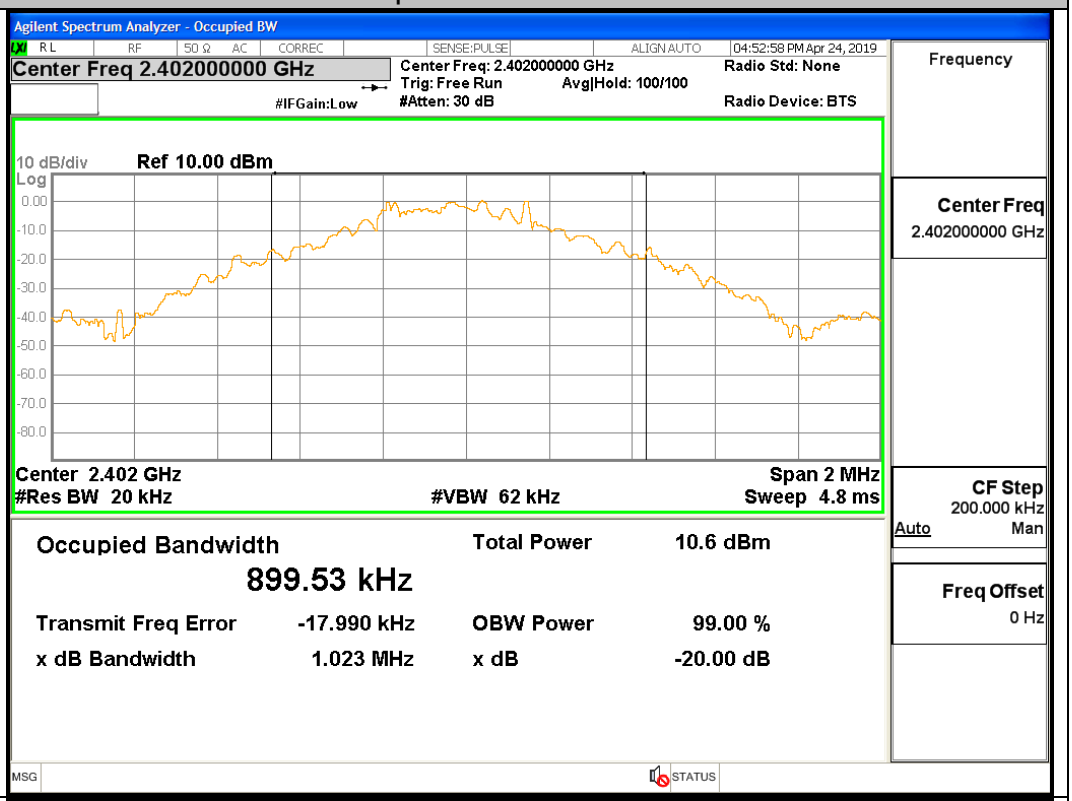
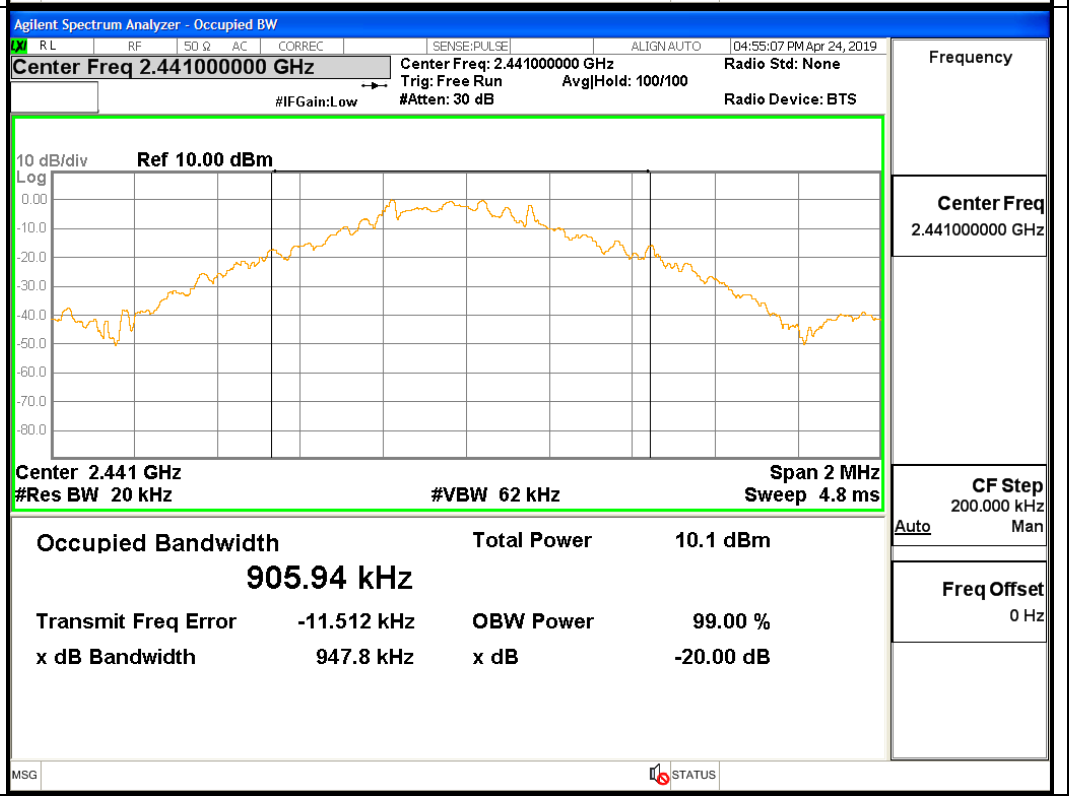
Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

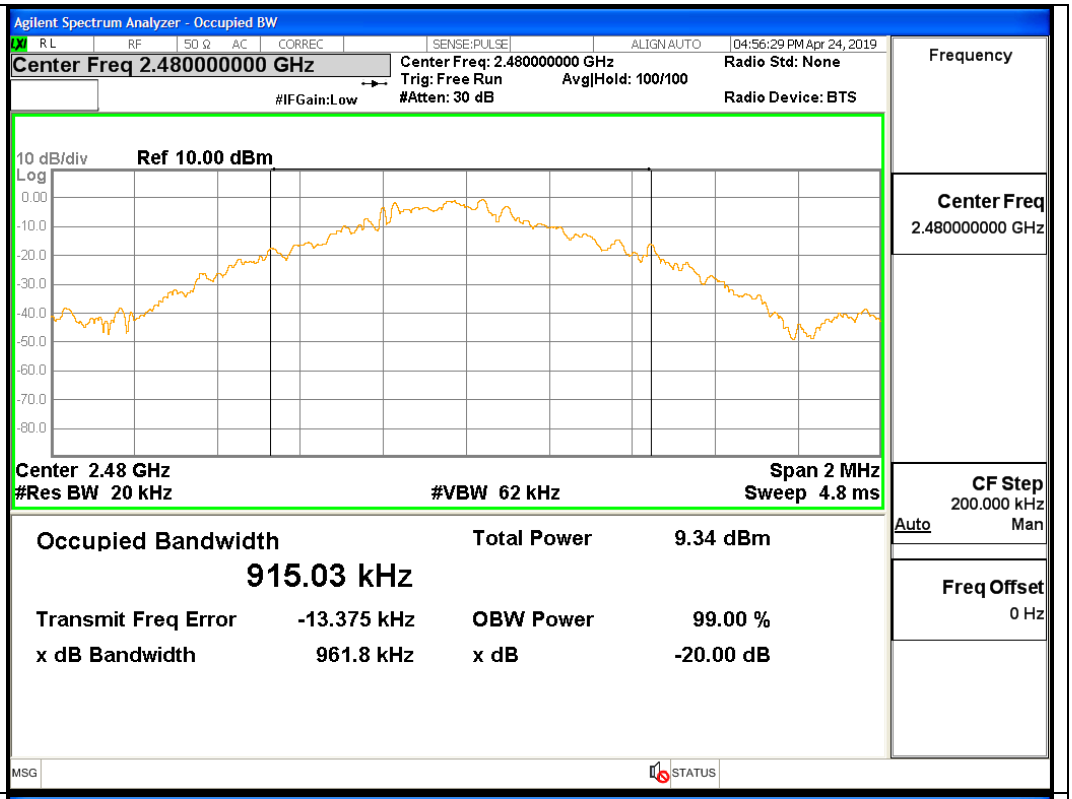
A.1 20 dB Bandwidth

Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	1.023	Not Specified	PASS
GFSK	MCH	0.948	Not Specified	PASS
GFSK	HCH	0.962	Not Specified	PASS
π/4DQPSK	LCH	1.321	Not Specified	PASS
π/4DQPSK	MCH	1.315	Not Specified	PASS
π/4DQPSK	HCH	1.327	Not Specified	PASS
8DPSK	LCH	1.275	Not Specified	PASS
8DPSK	MCH	1.306	Not Specified	PASS
8DPSK	HCH	1.276	Not Specified	PASS

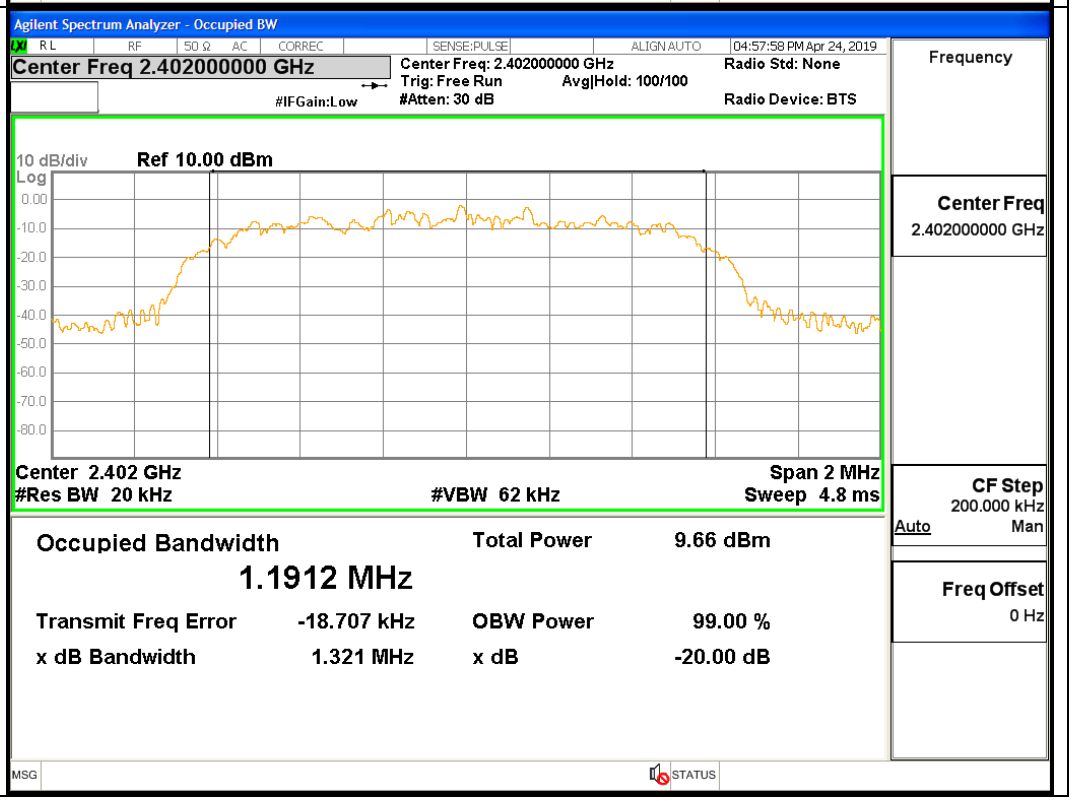
Test Graph

Graphs	
GFSK/LCH	
GFSK/MCH	

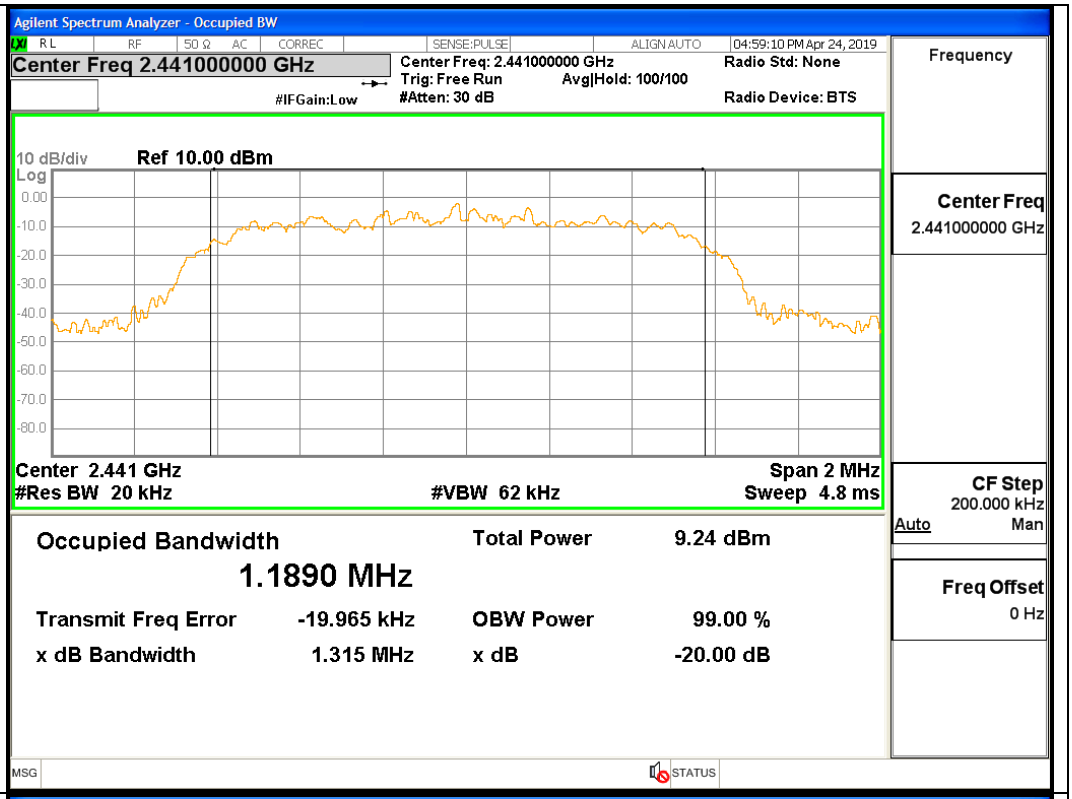
GFSK/HCH



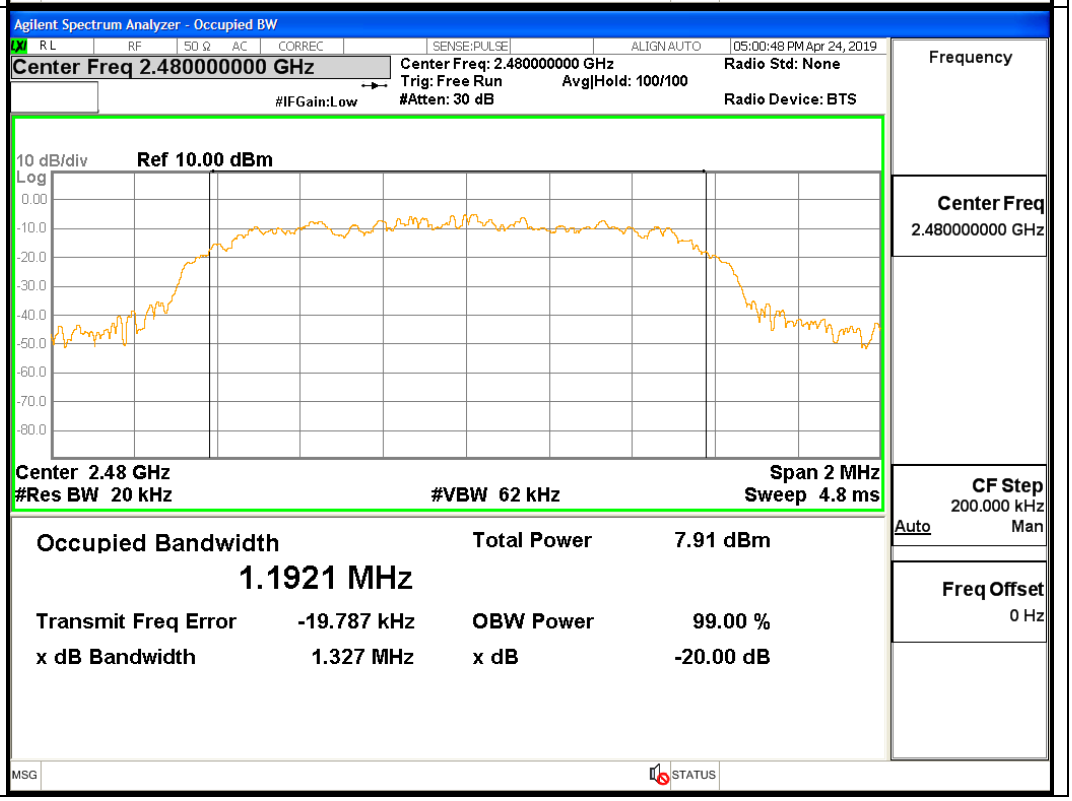
π/4DQPSK/LCH



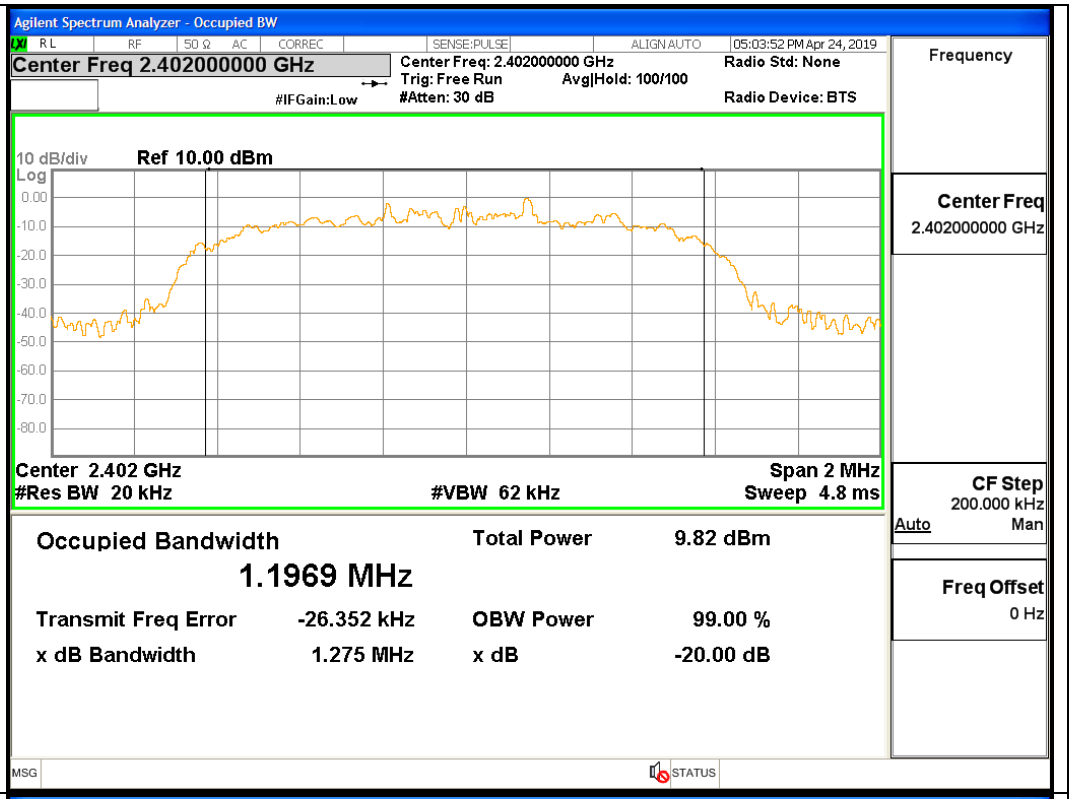
π/4DQPSK/MCH



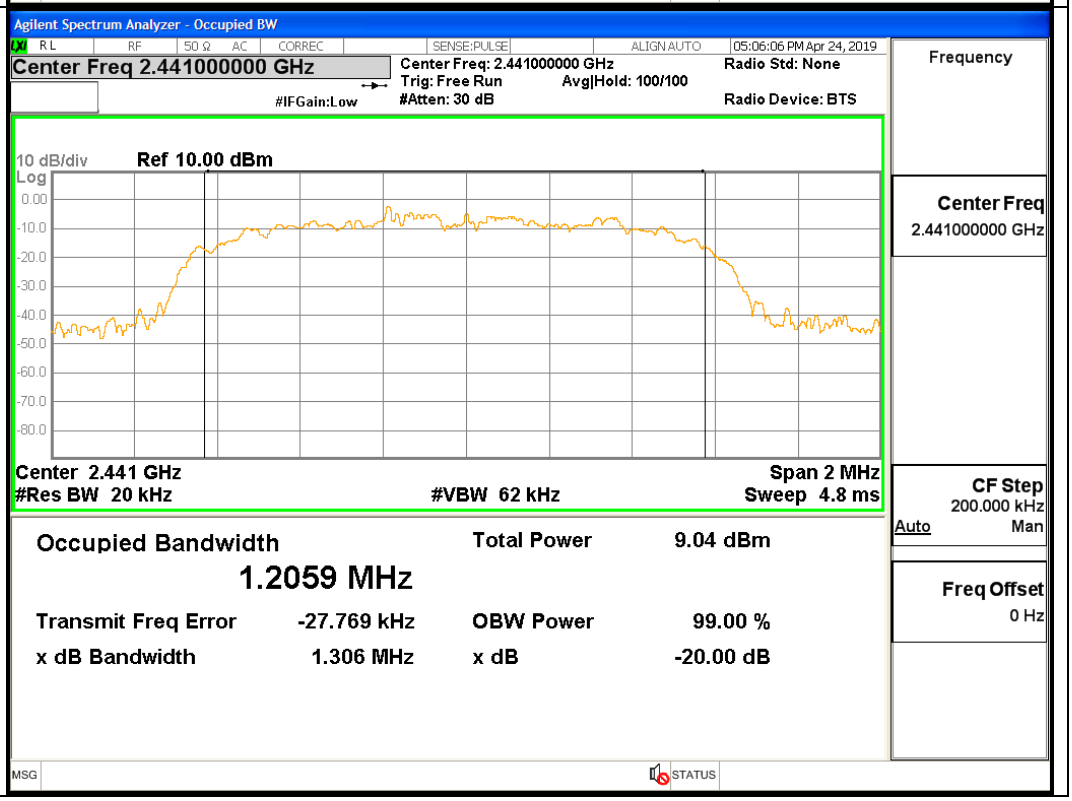
π/4DQPSK/HCH



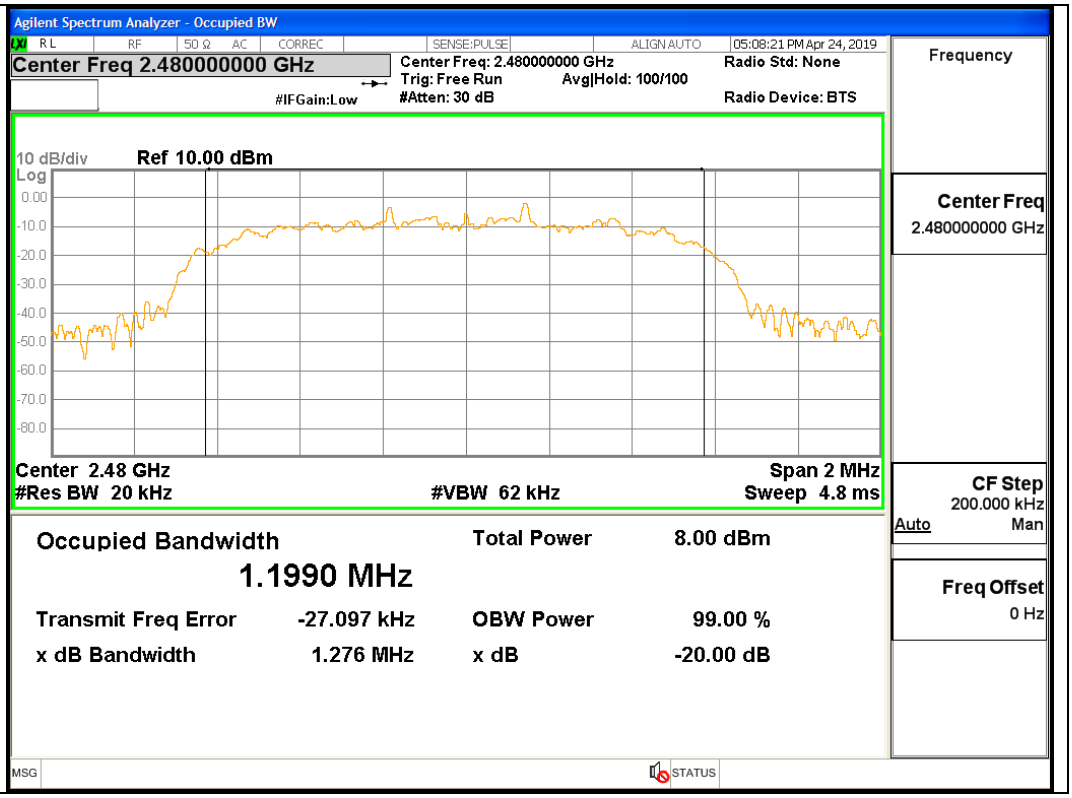
8DPSK/LCH



8DPSK/MCH



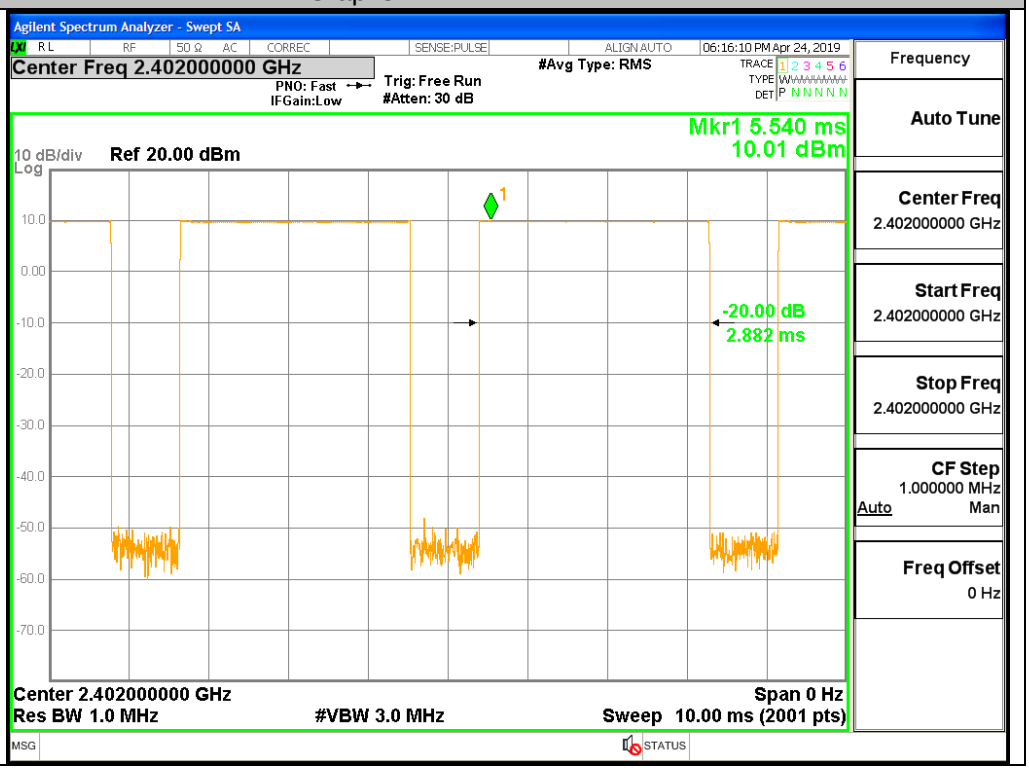
8DPSK/HCH

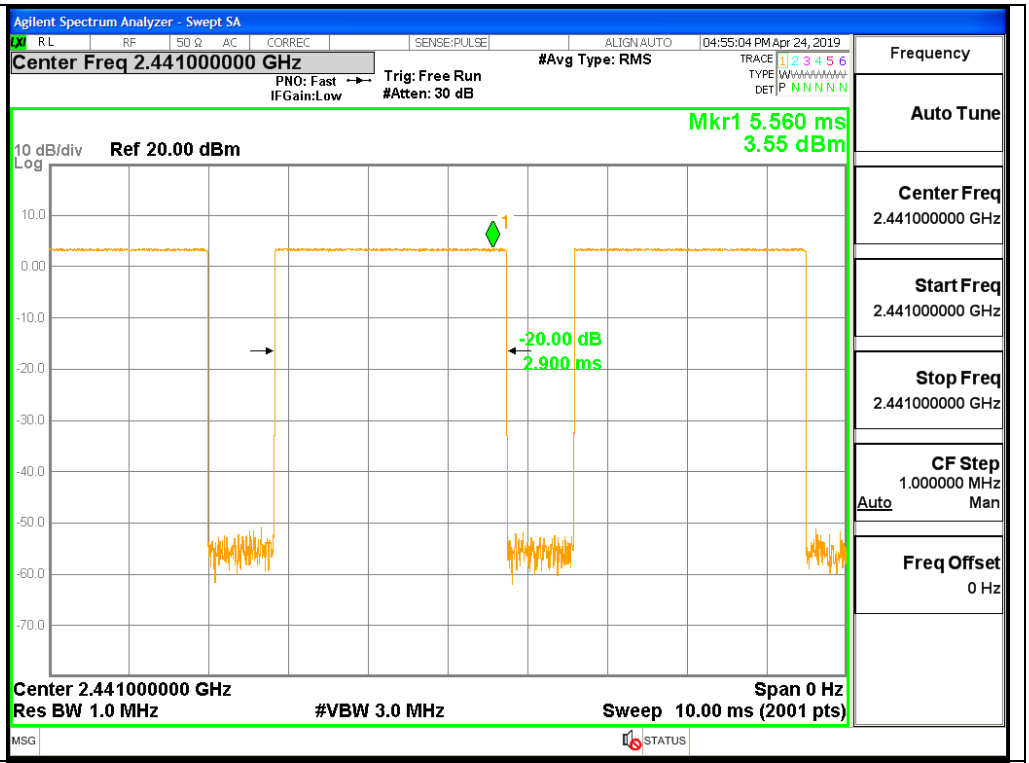
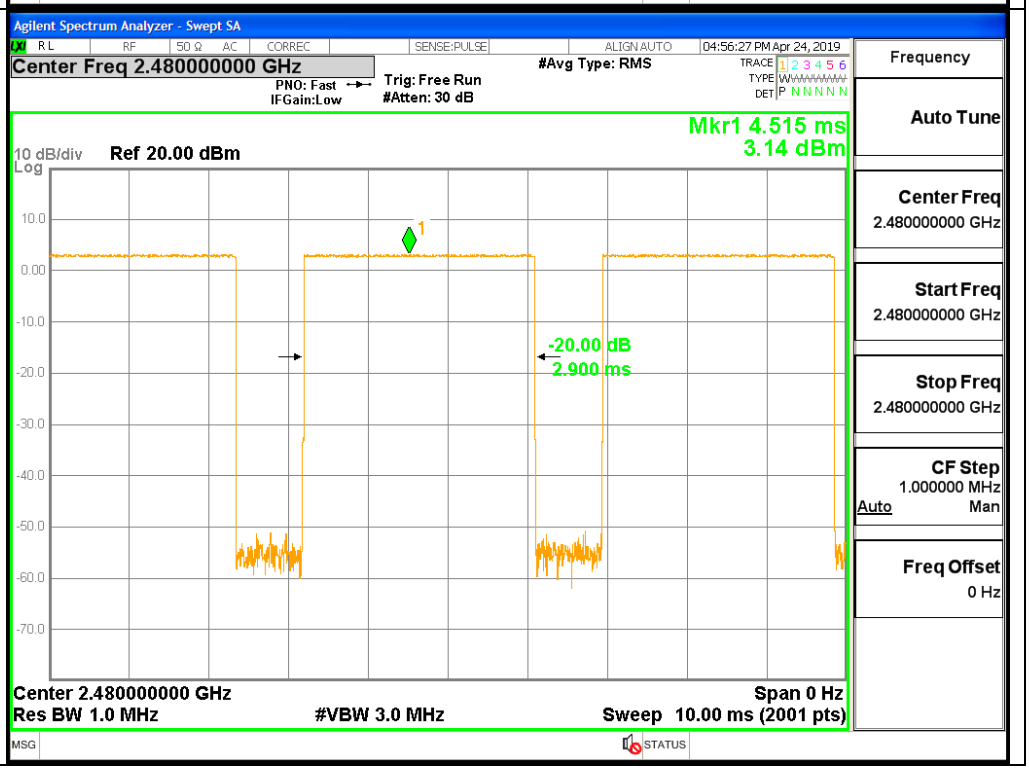

Agilent Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
CORREC
SENSE:PULSE
ALIGN AUTO
05:08:21 PM Apr 24, 2019
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 10.00 dBm
Log
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
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
1.1990 MHz
Total Power
8.00 dBm
Freq Offset
0 Hz
Transmit Freq Error
-27.097 kHz
OBW Power
99.00 %
x dB Bandwidth
1.276 MHz
x dB
-20.00 dB
MSG
STATUS

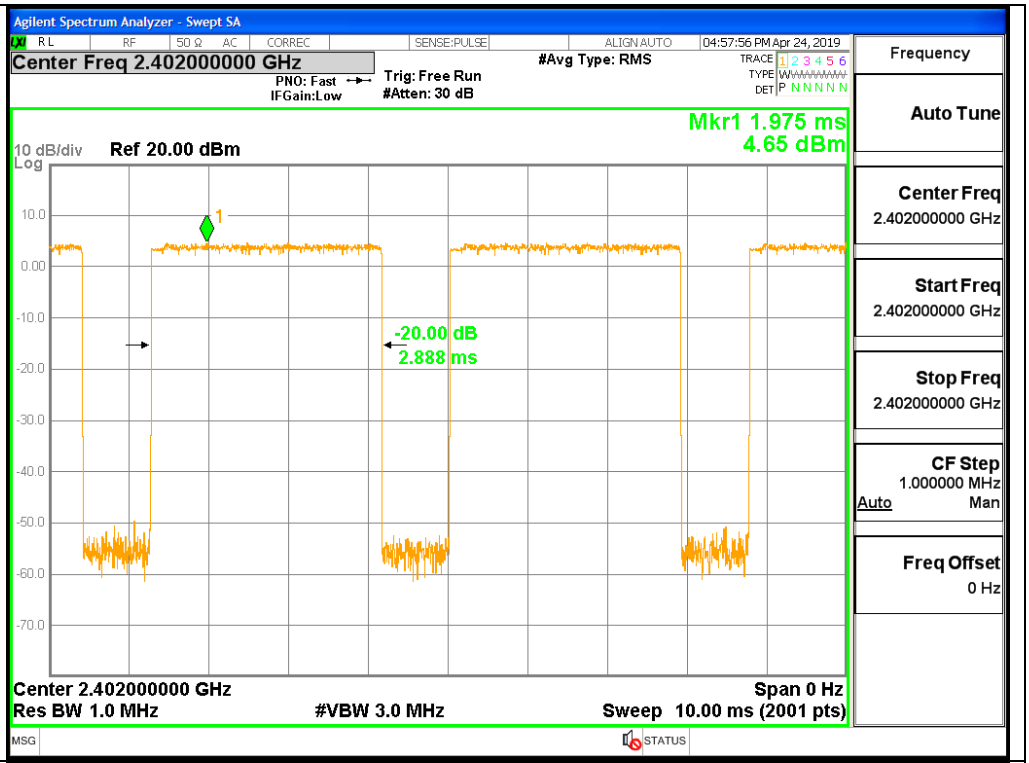
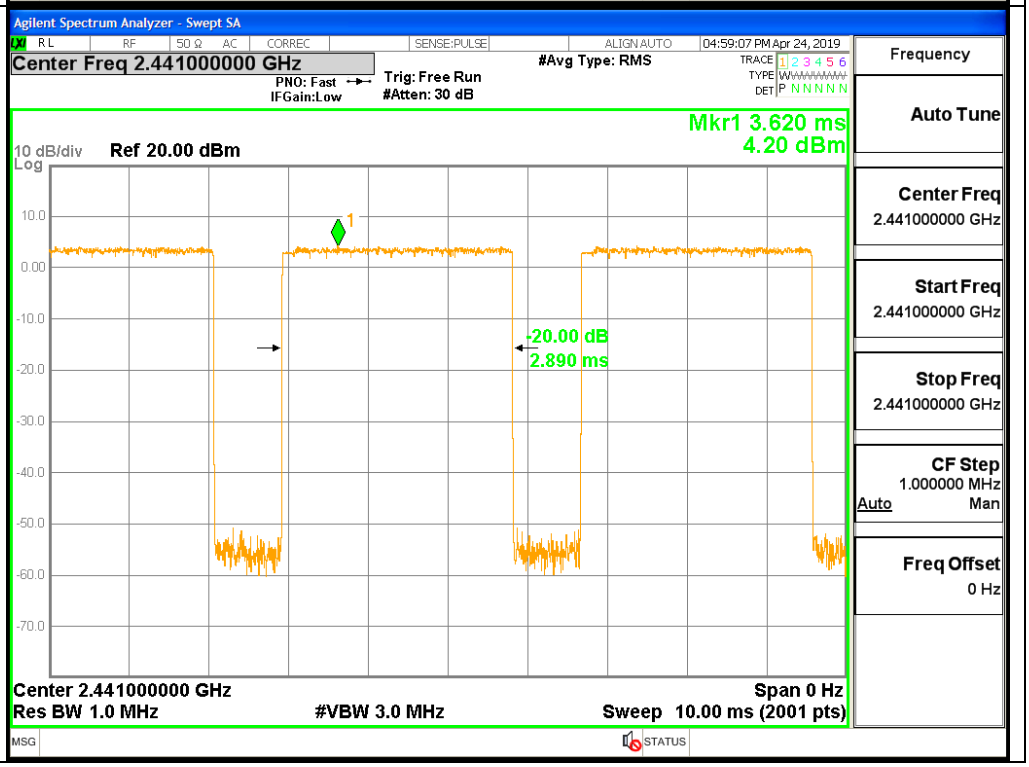
A.2 Dwell Time

Mode	Packet	Channel	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	0.002882	106.7	0.307509	0.4	PASS
GFSK	DH5	MCH	0.002900	106.7	0.309479	0.4	PASS
GFSK	DH5	HCH	0.002900	106.7	0.30948	0.4	PASS
π/4DQPSK	2DH5	LCH	0.002888	106.7	0.308194	0.4	PASS
π/4DQPSK	2DH5	MCH	0.002890	106.7	0.308341	0.4	PASS
π/4DQPSK	2DH5	HCH	0.002890	106.7	0.308356	0.4	PASS
8DPSK	3DH5	LCH	0.002889	106.7	0.308285	0.4	PASS
8DPSK	3DH5	MCH	0.002890	106.7	0.308351	0.4	PASS
8DPSK	3DH5	HCH	0.002889	106.7	0.308309	0.4	PASS

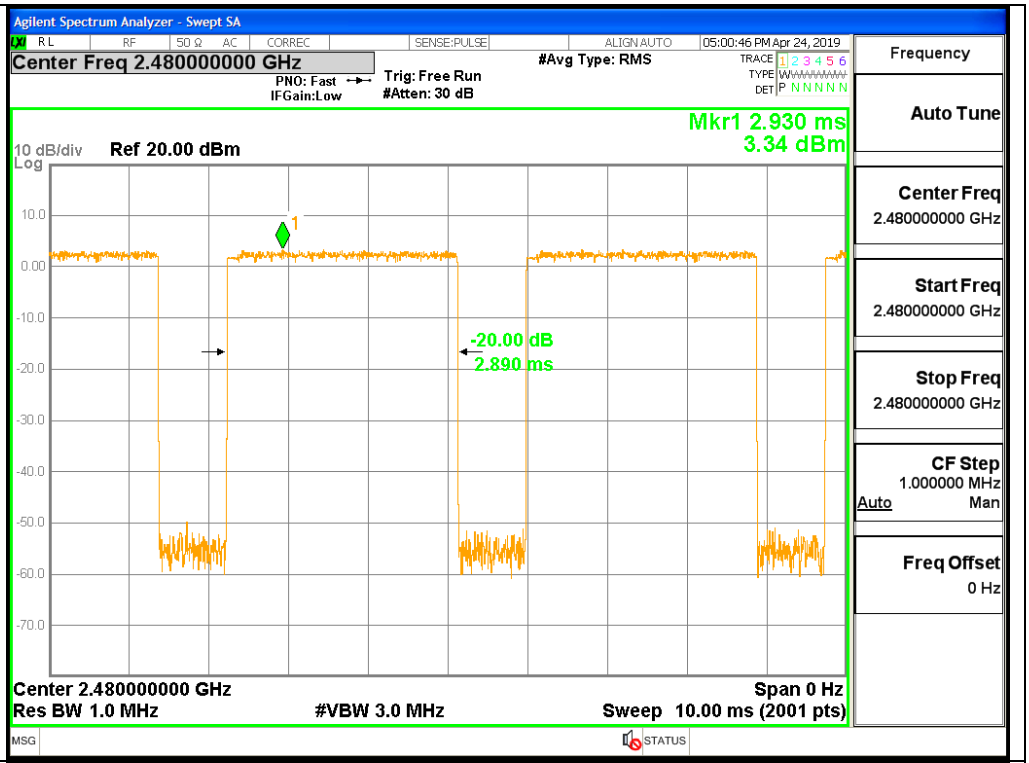
Test Graph

Graphs	
GFSK_DH5/LCH	

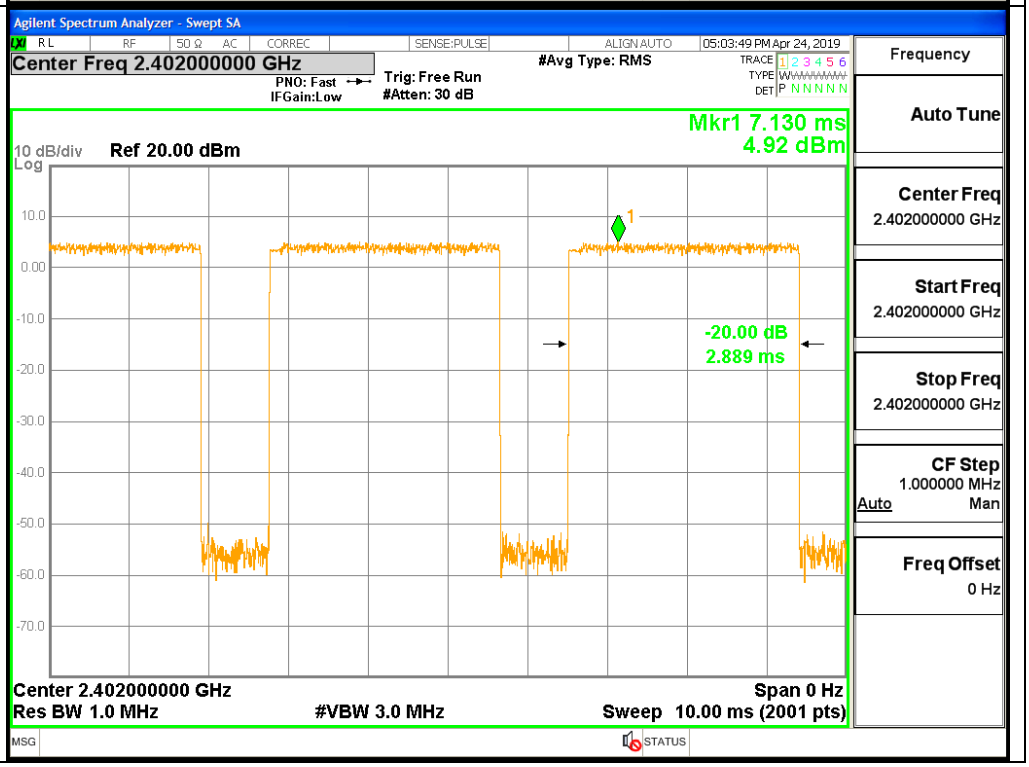
GFSK_DH5/MCH	
GFSK_DH5/HCH	

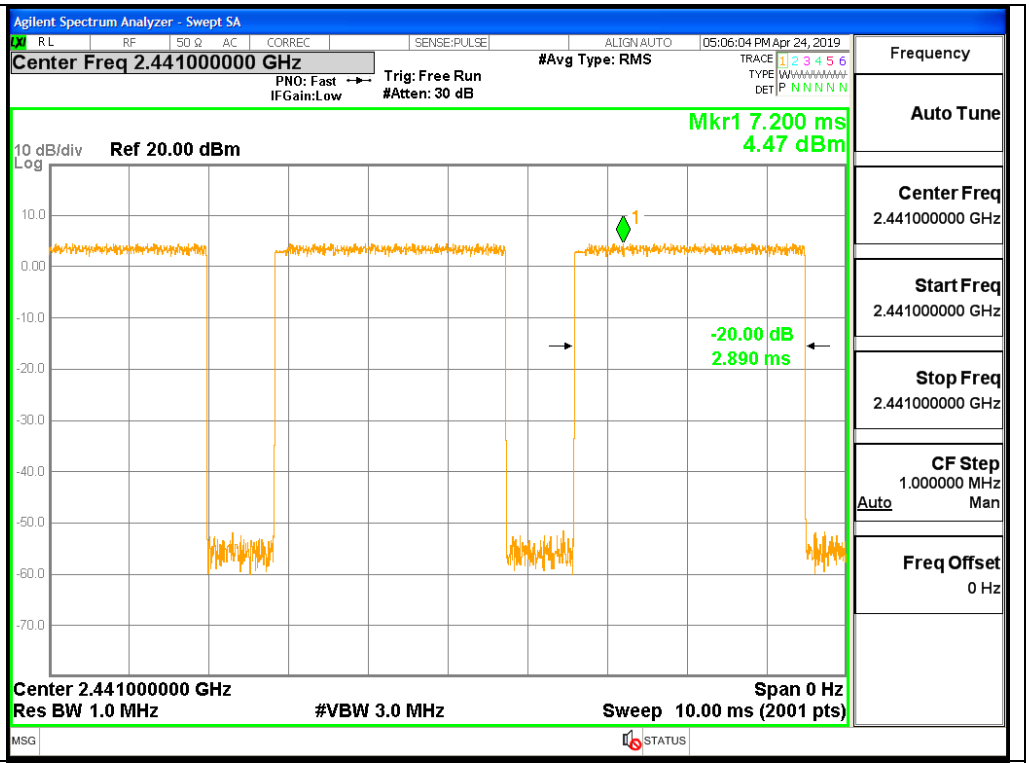
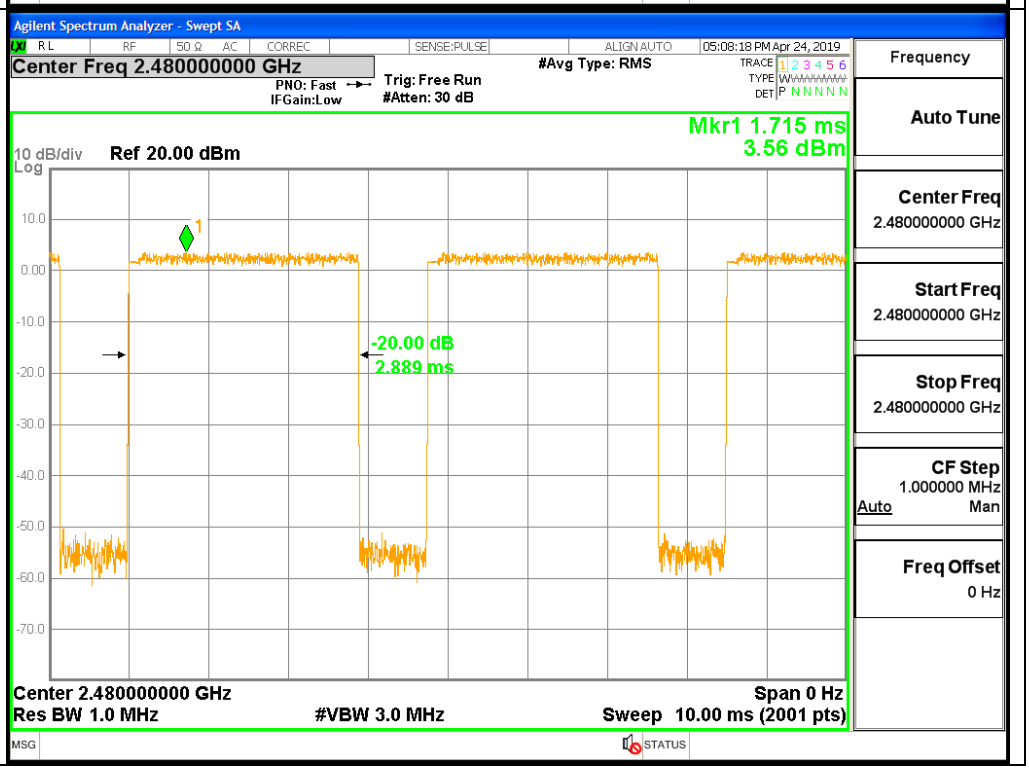
π/4DQPSK _2DH5/LCH	
π/4DQPSK _2DH5/MCH	

π/4DQPSK _2DH5/HCH



8DPSK _3DH5/LCH

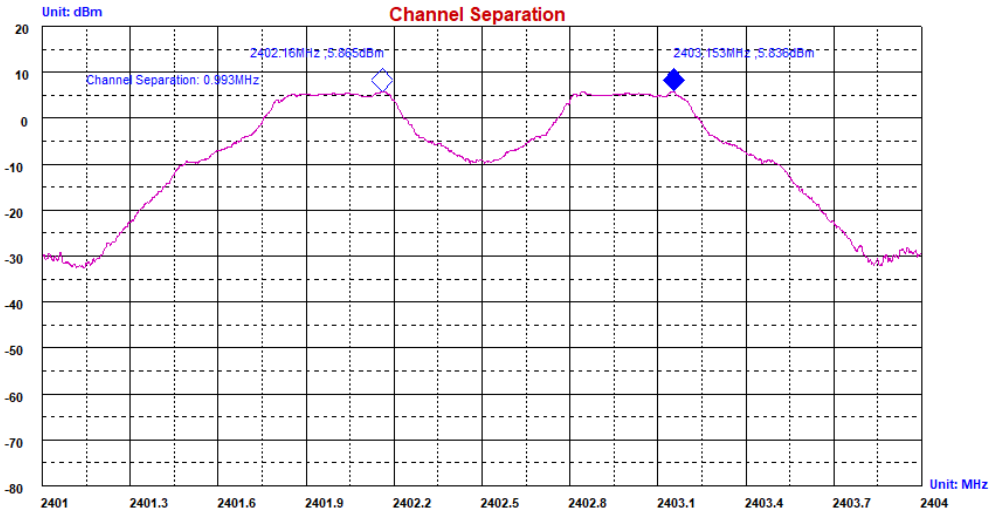
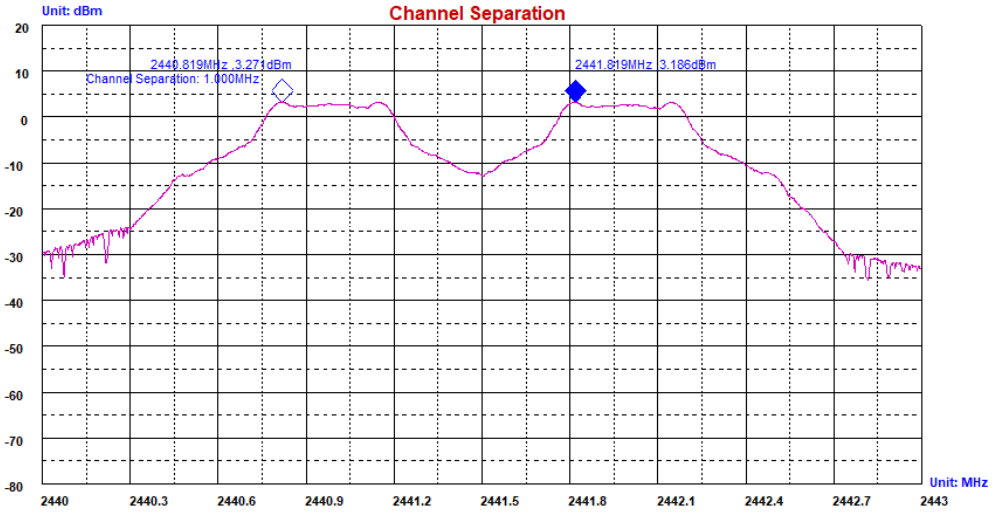


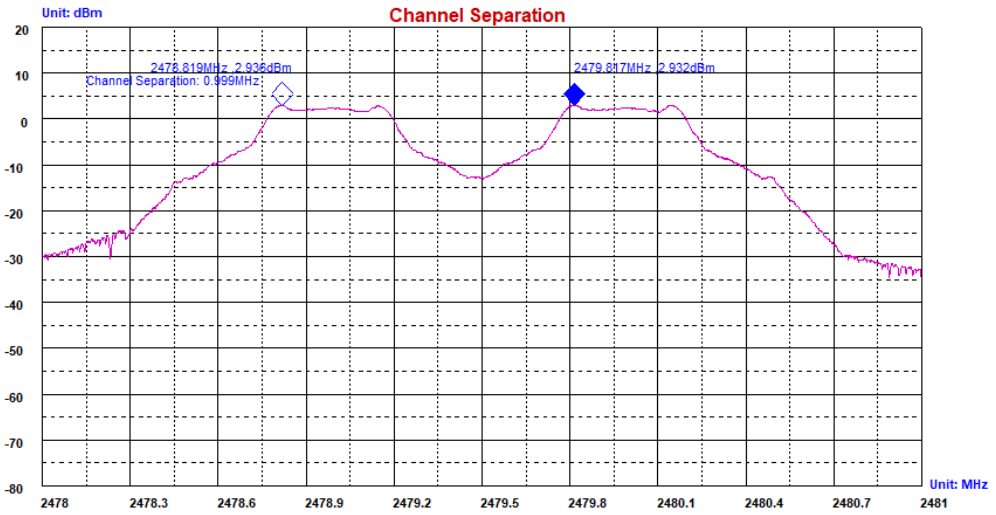
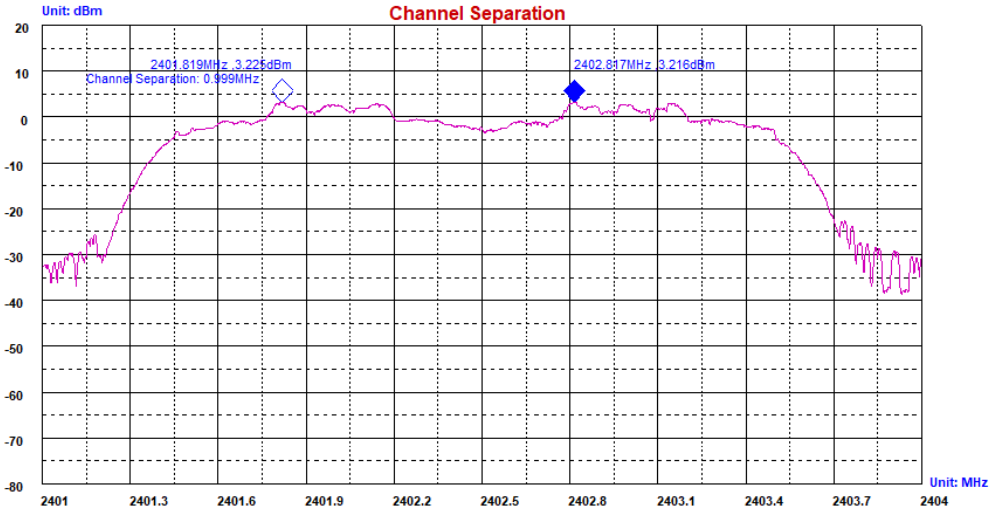
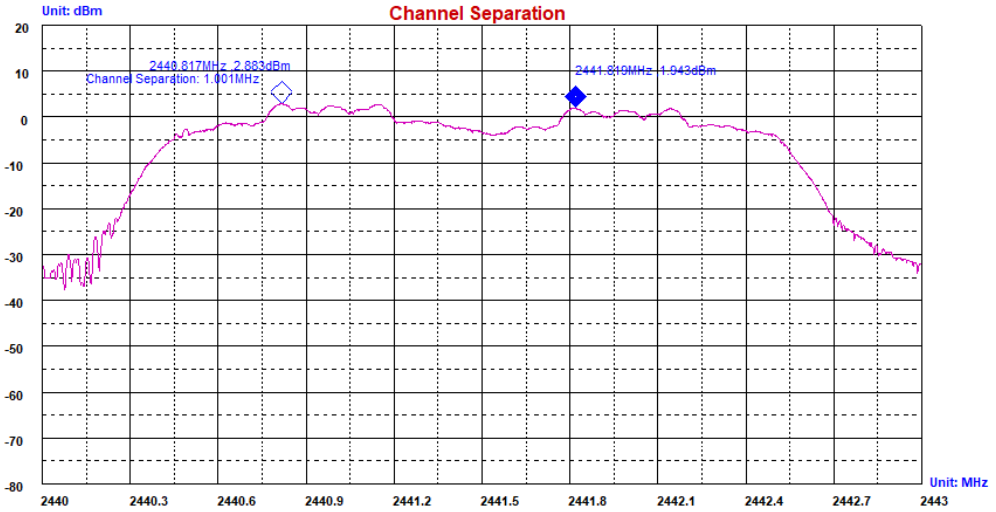
8DPSK _3DH5/MCH	
8DPSK _3DH5/HCH	

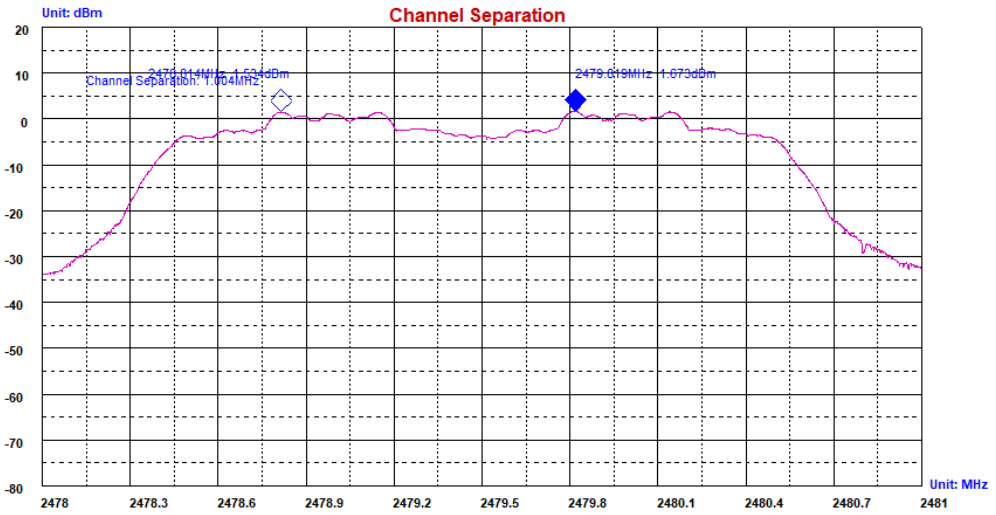
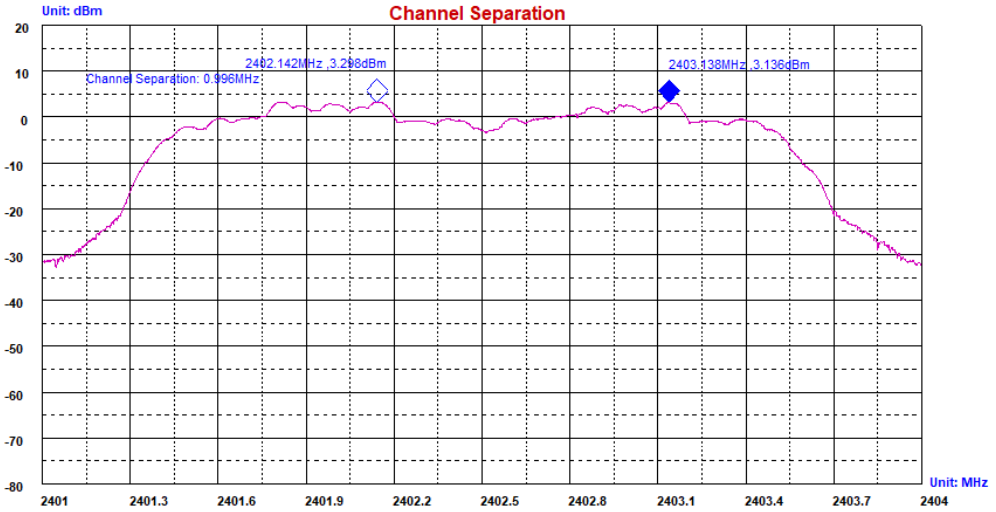
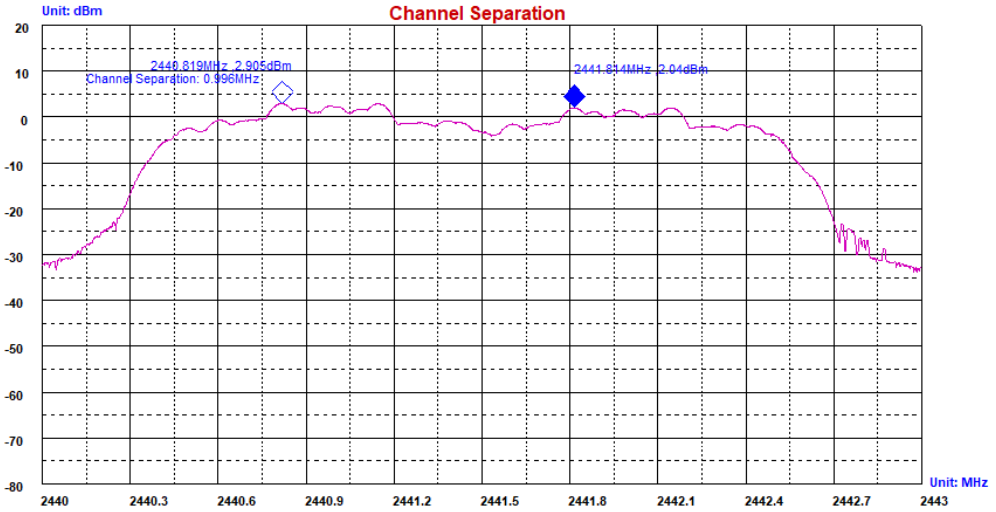
A.3 Carrier Frequency Separation

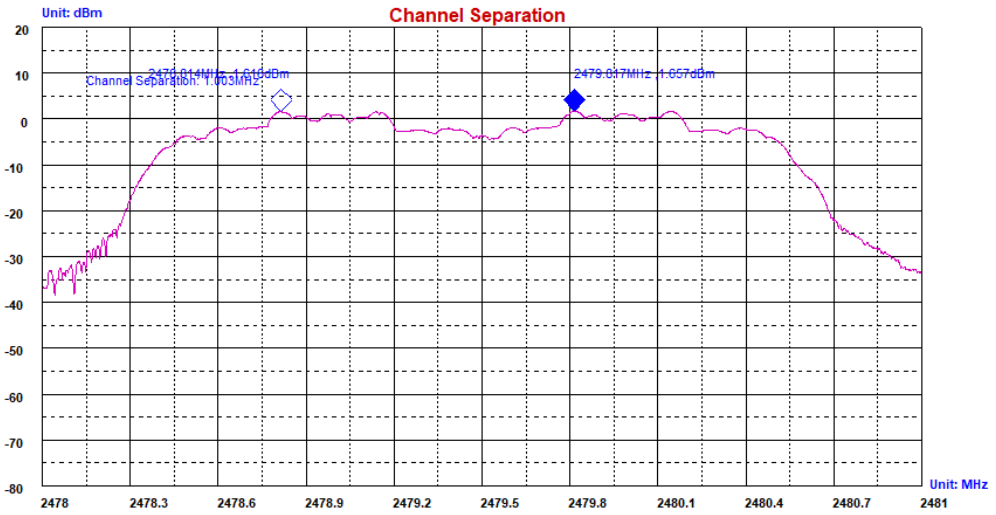
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.993	0.682	PASS
GFSK	MCH	1.000	0.632	PASS
GFSK	HCH	0.999	0.641	PASS
π/4DQPSK	LCH	0.999	0.881	PASS
π/4DQPSK	MCH	1.001	0.877	PASS
π/4DQPSK	HCH	1.004	0.885	PASS
8DPSK	LCH	0.996	0.850	PASS
8DPSK	MCH	0.996	0.871	PASS
8DPSK	HCH	1.003	0.851	PASS

Test Graph

Graphs	
GFSK/LCH	
GFSK/MCH	

GFSK/HCH	
π/4DQPSK/LCH	
π/4DQPSK/MCH	

π/4DQPSK/HCH	
8DPSK/LCH	
8DPSK/MCH	

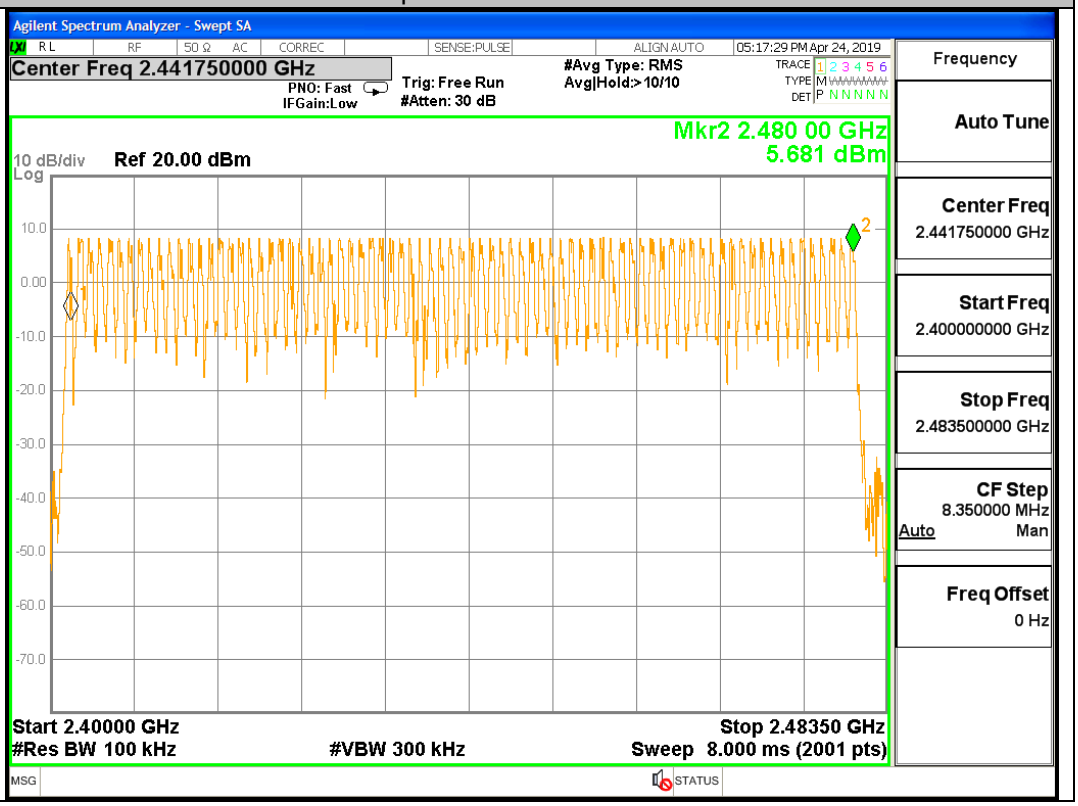
8DPSK/HCH	

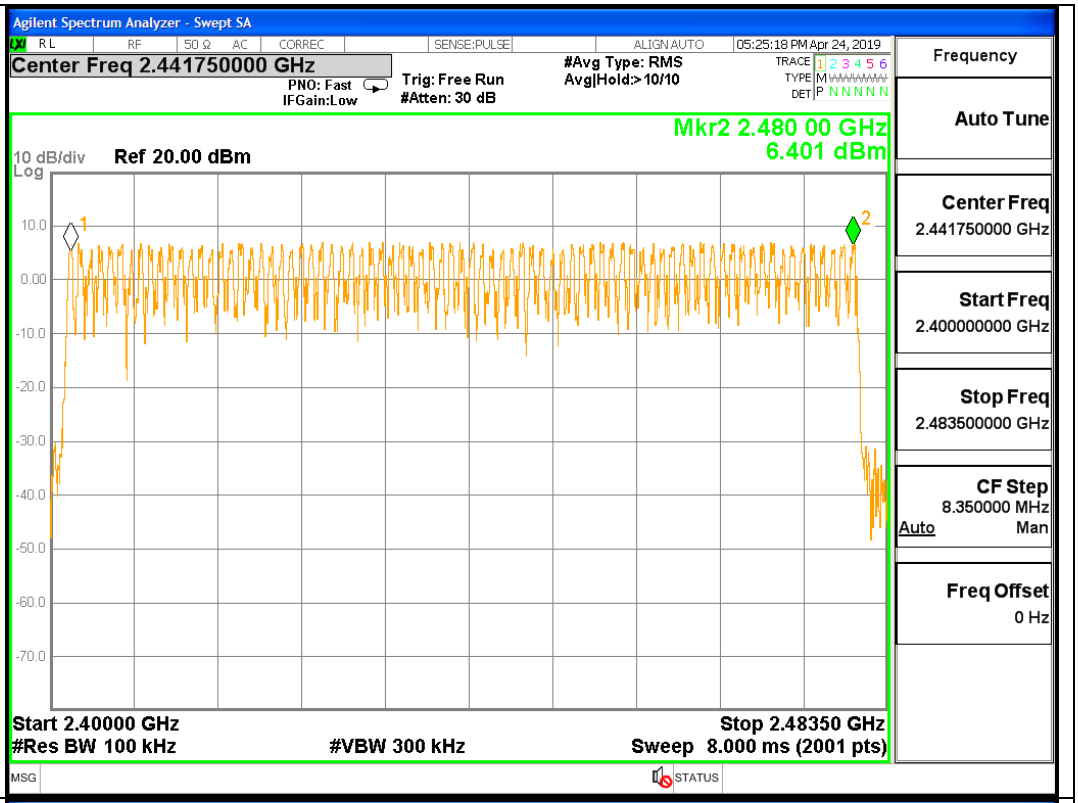
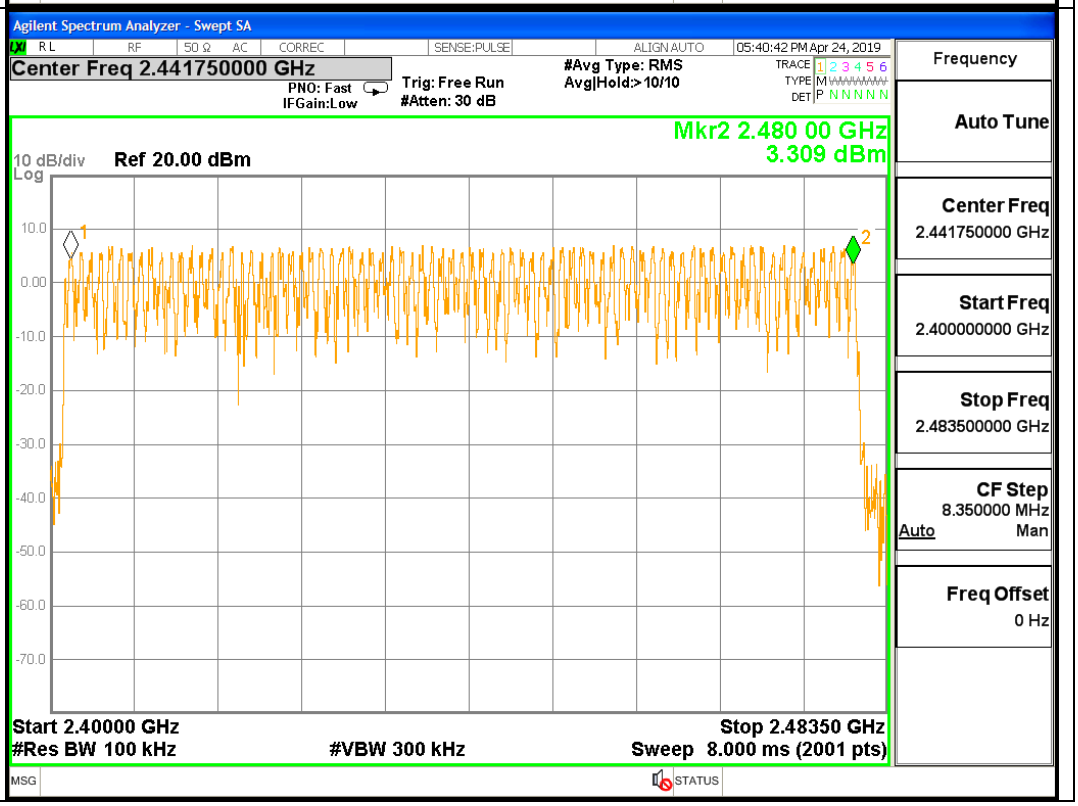
Channel Separation
Unit: dBm
Unit: MHz
Channel Separation: 1.003MHz
2479.017MHz -1.657dBm
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2478
2478.3
2478.6
2478.9
2479.2
2479.5
2479.8
2480.1
2480.4
2480.7
2481

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

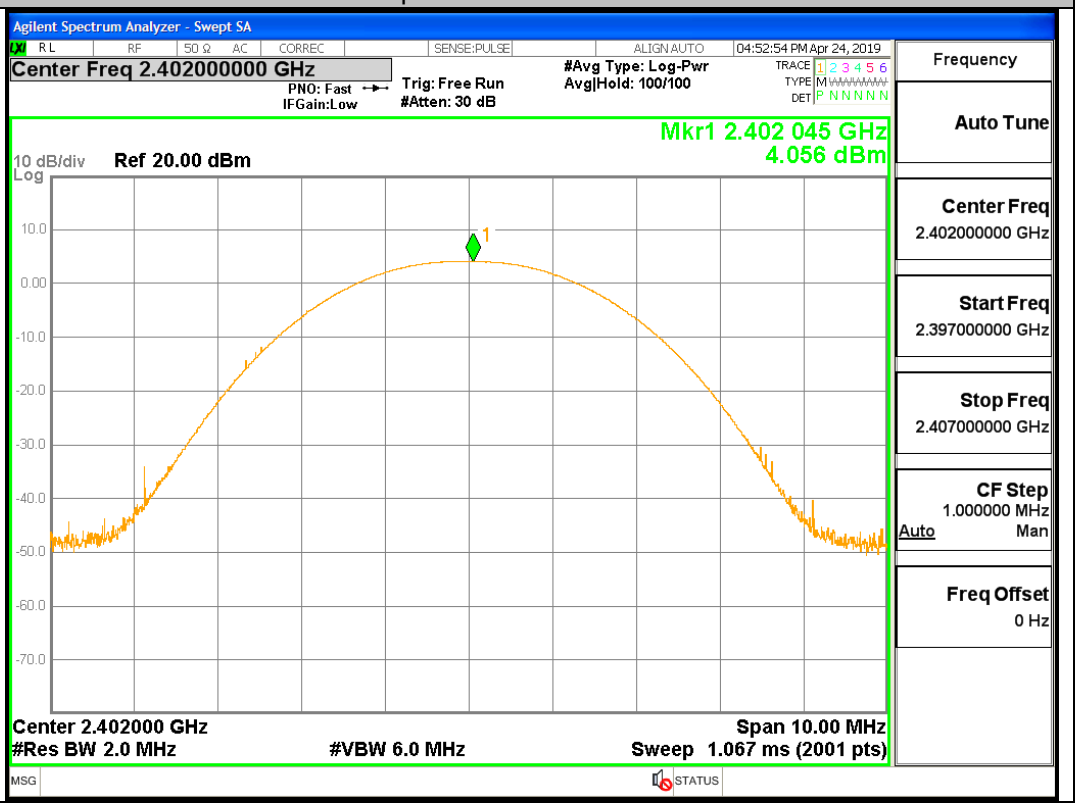
Graphs	
GFSK/Hop	

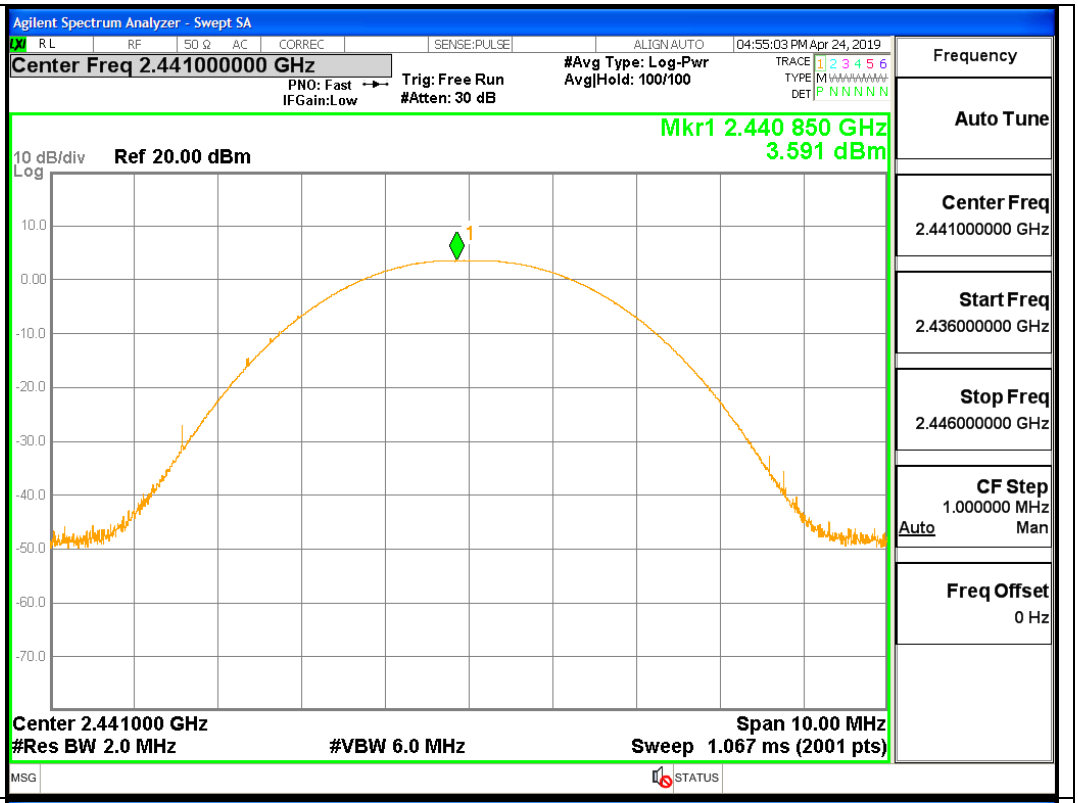
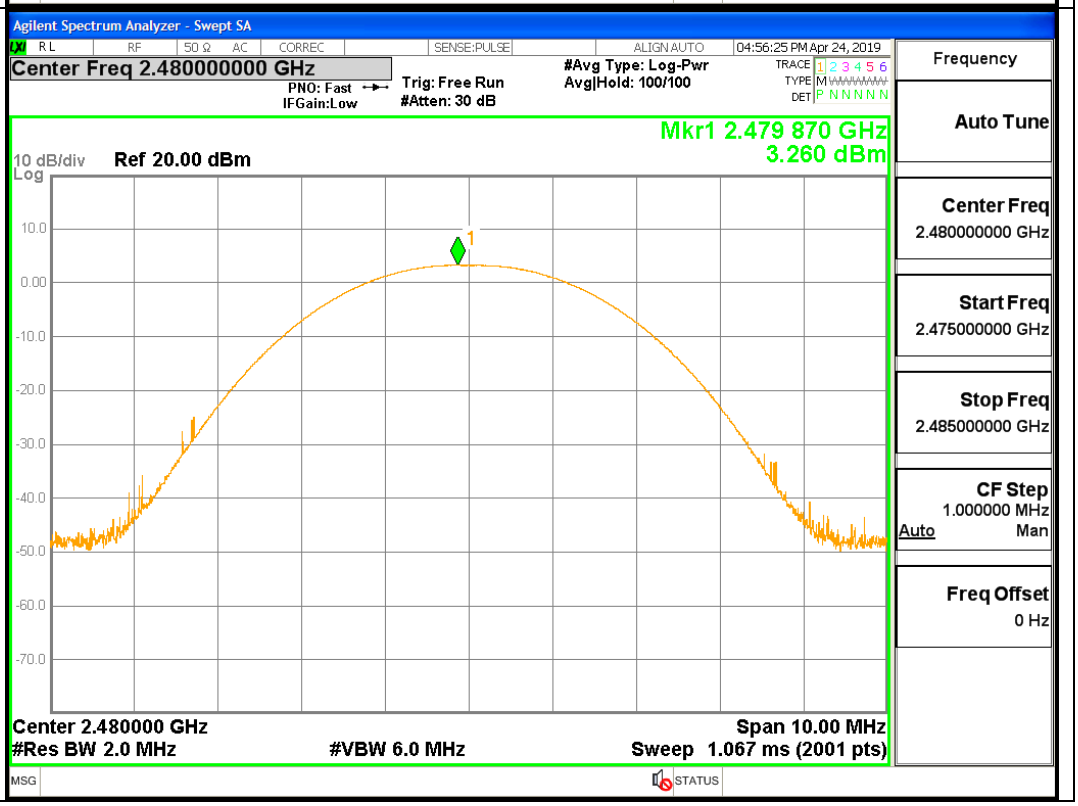
π/4DQPSK/Hop	
8DPSK/Hop	

A.5 Conducted Peak Output Power

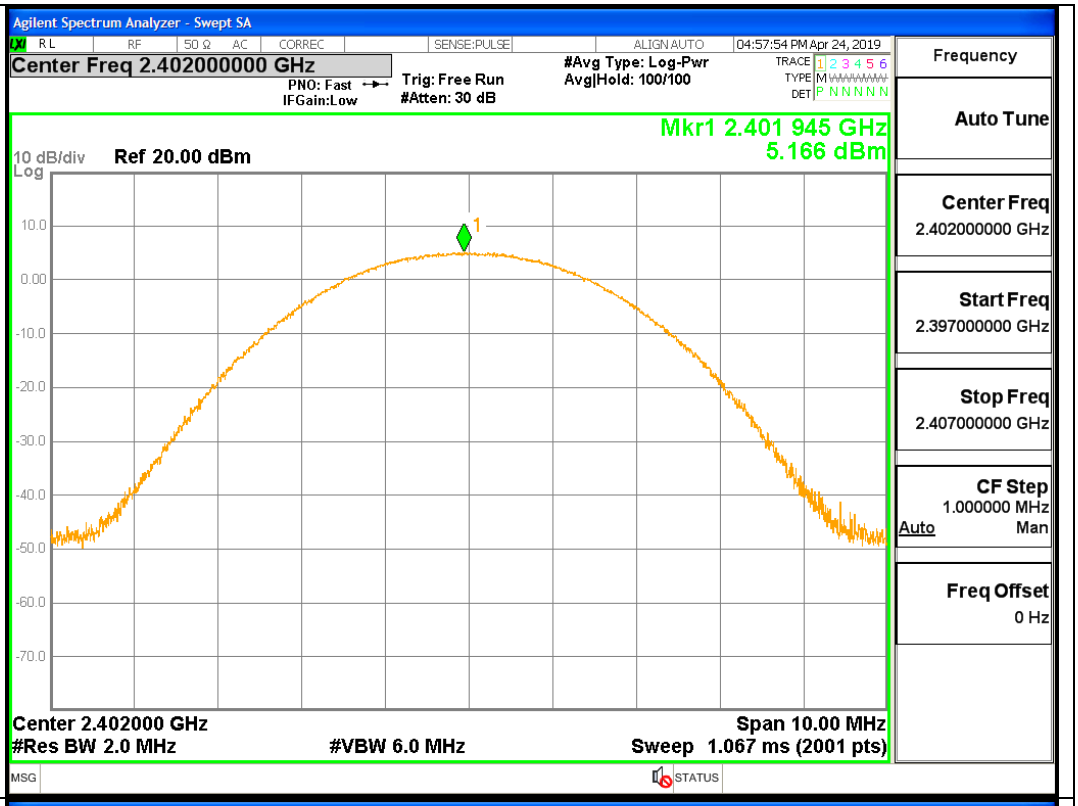
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	4.056	21	PASS
GFSK	MCH	3.591	21	PASS
GFSK	HCH	3.260	21	PASS
π/4DQPSK	LCH	5.166	21	PASS
π/4DQPSK	MCH	4.644	21	PASS
π/4DQPSK	HCH	3.789	21	PASS
8DPSK	LCH	5.383	21	PASS
8DPSK	MCH	4.852	21	PASS
8DPSK	HCH	3.992	21	PASS

Test Graph

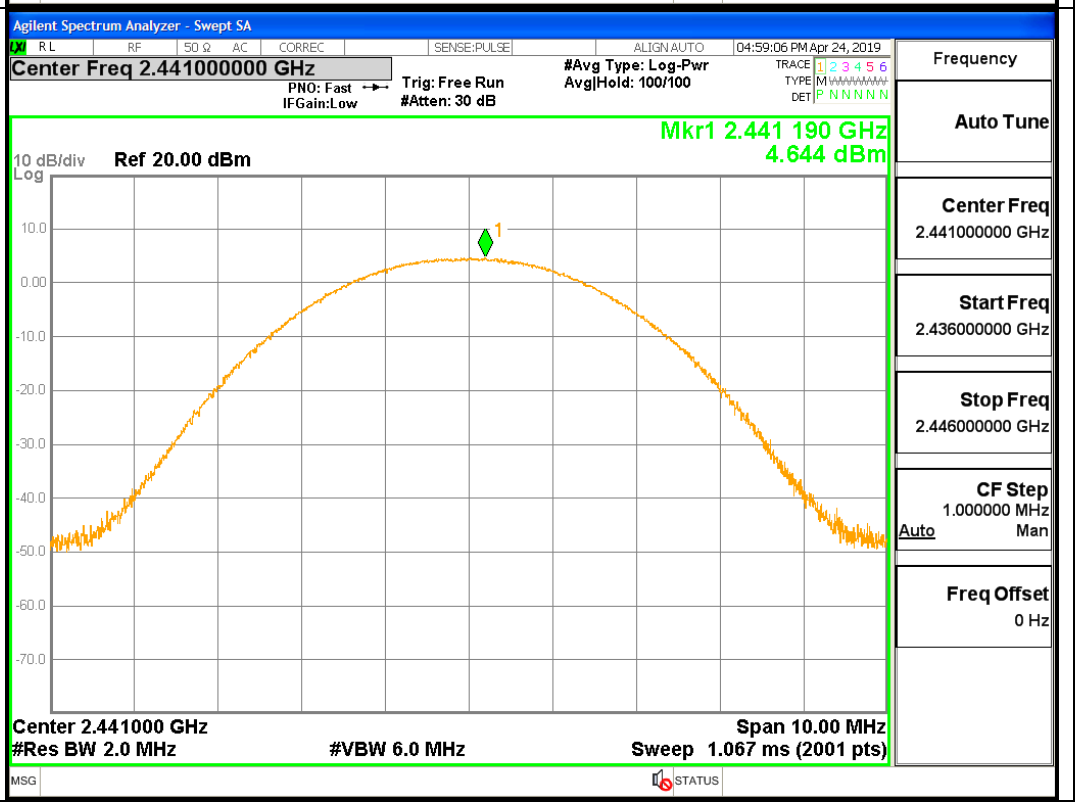
Graphs	
GFSK/LCH	

GFSK/MCH	
GFSK/HCH	

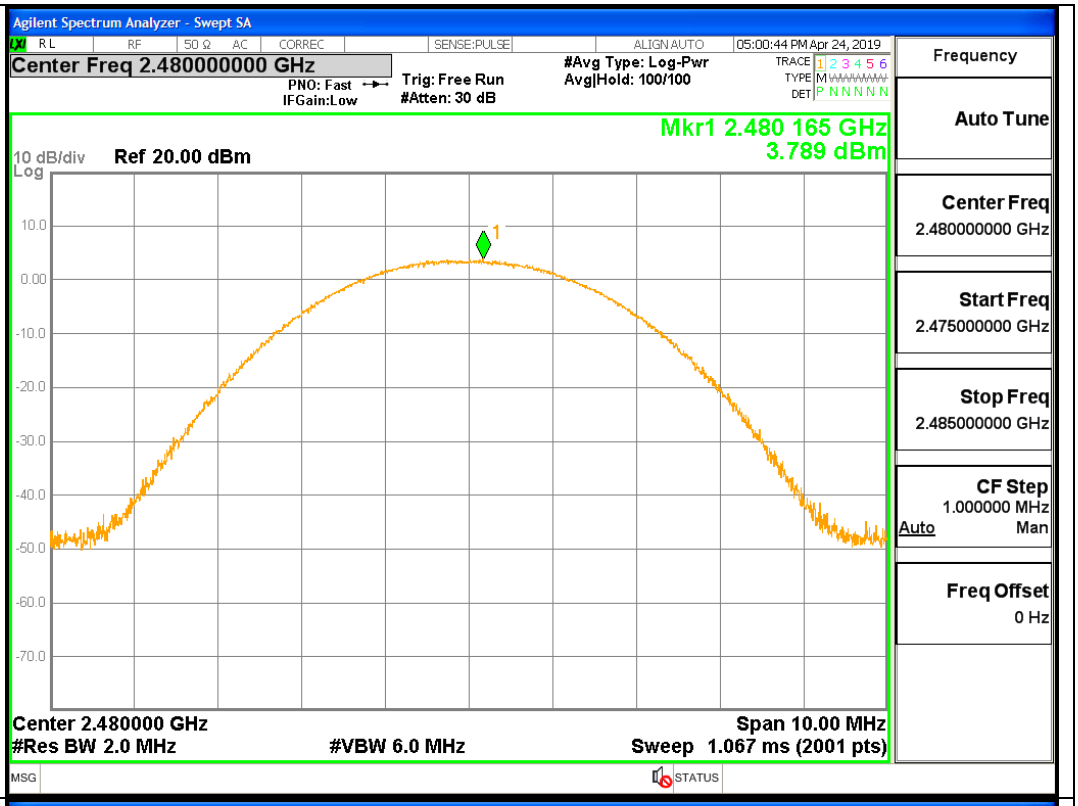
π/4DQPSK/LCH



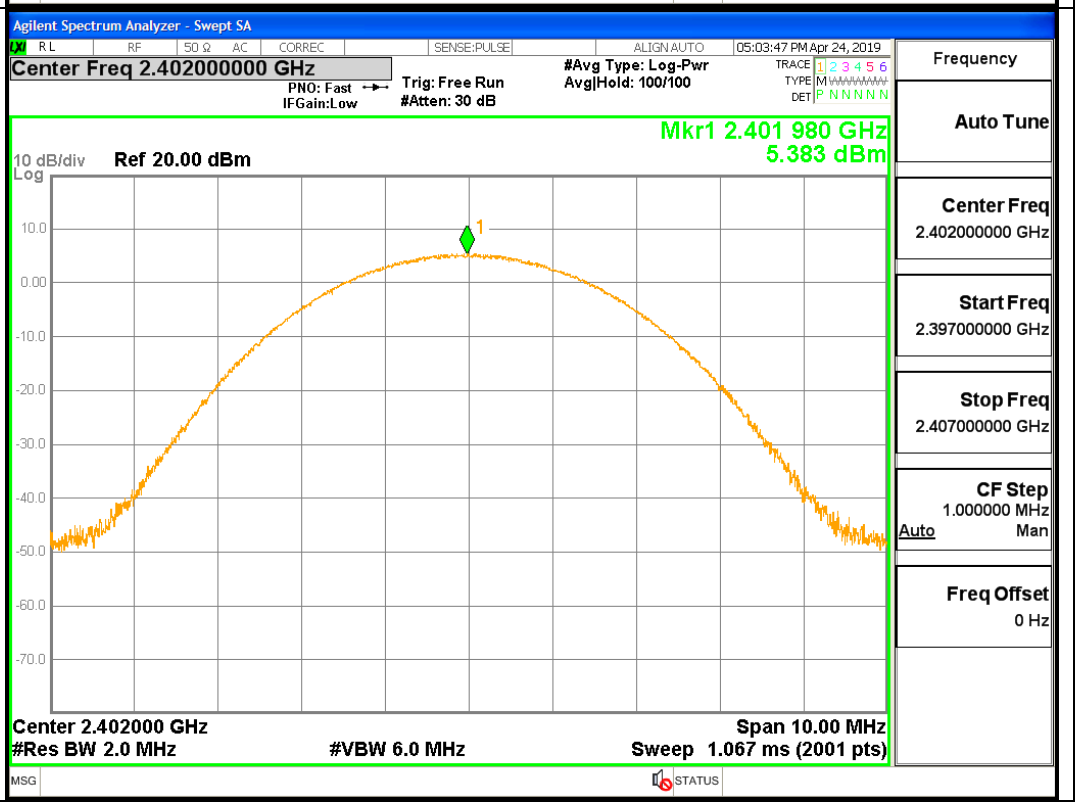
π/4DQPSK/MCH

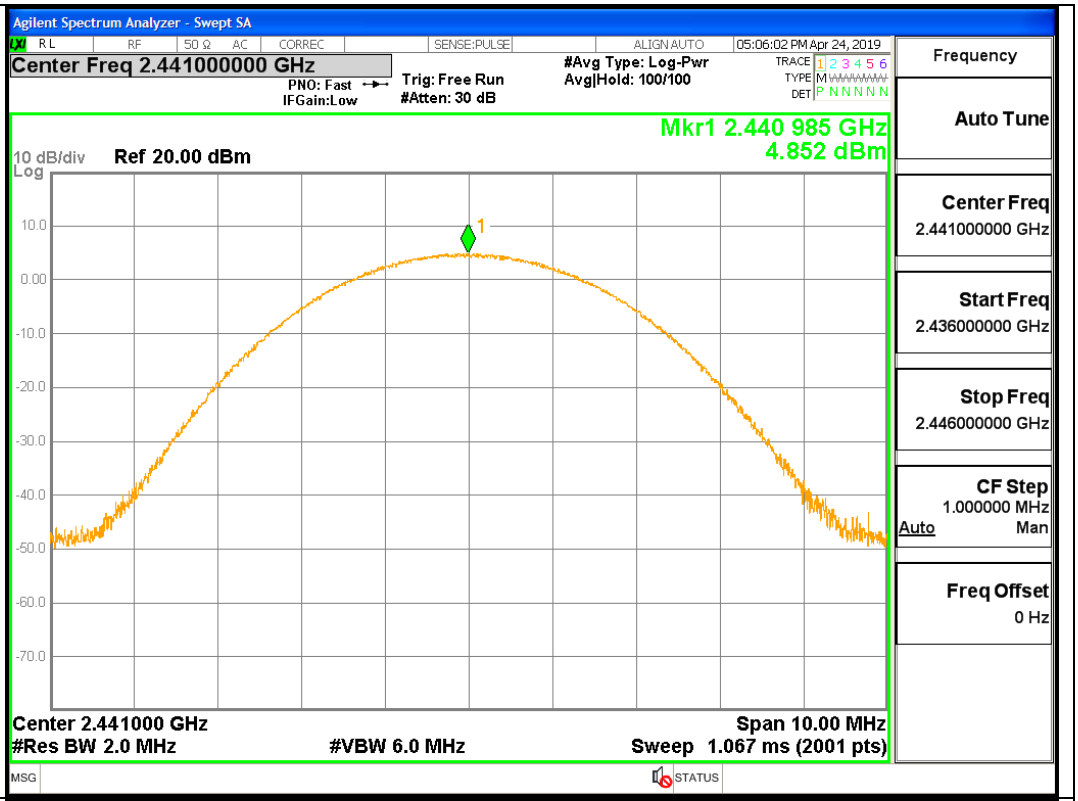
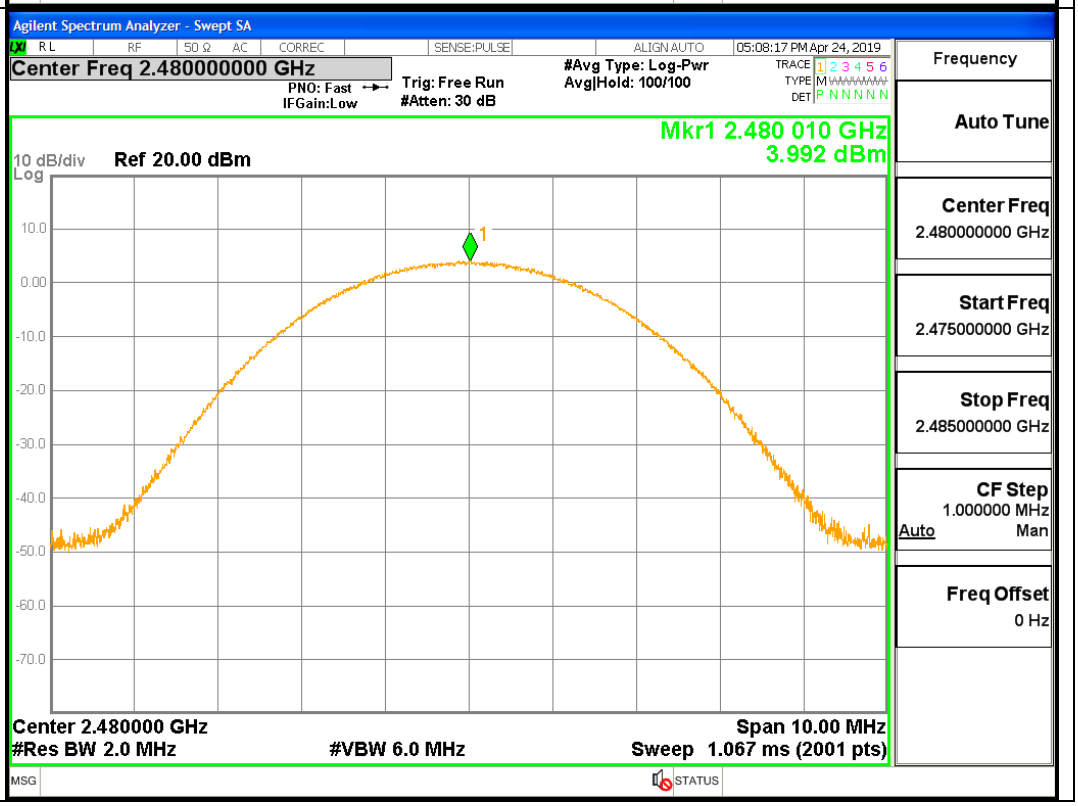


π/4DQPSK/HCH



8DPSK/LCH

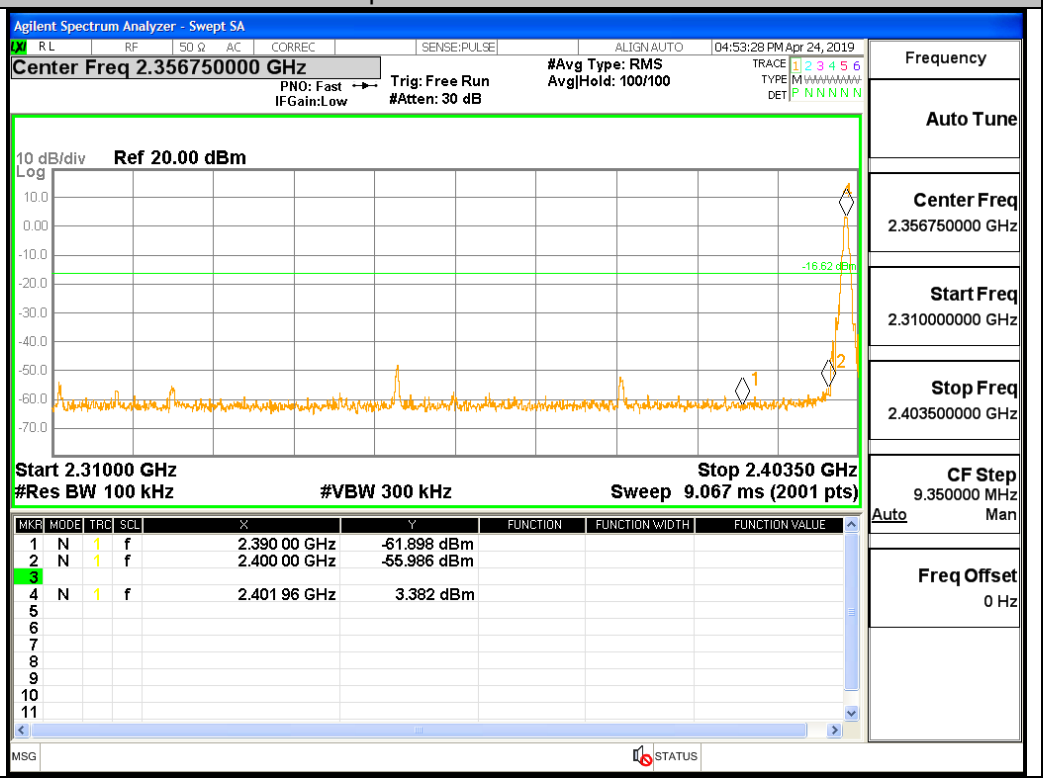
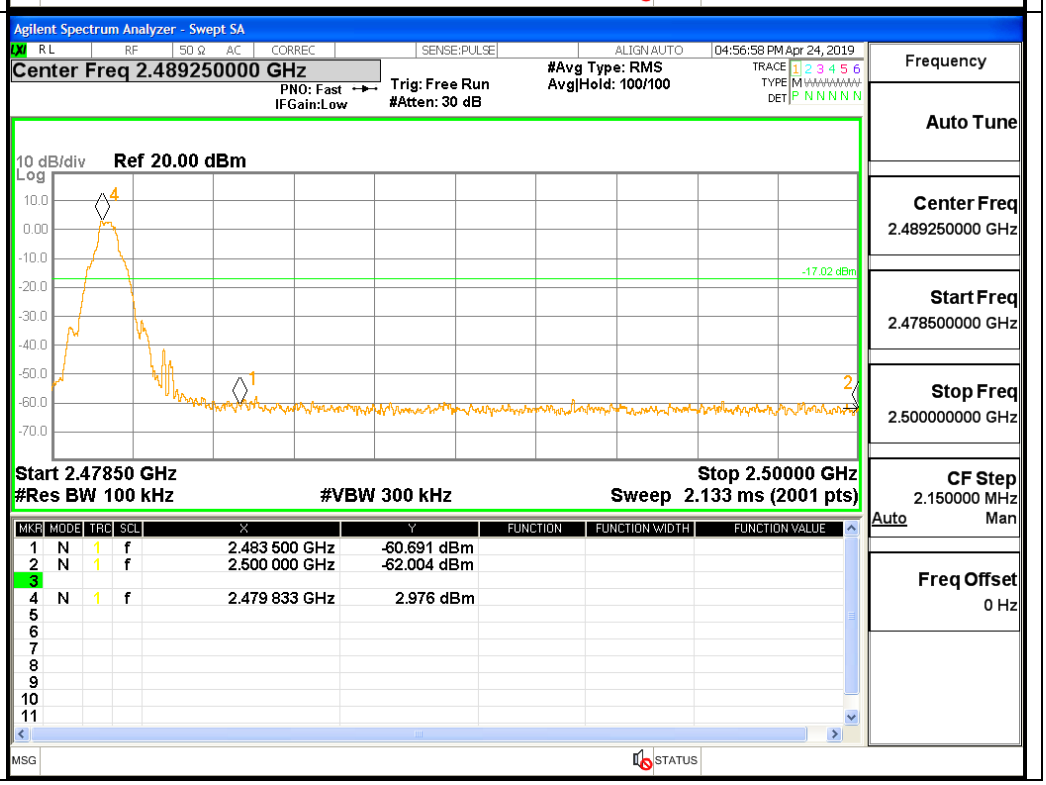


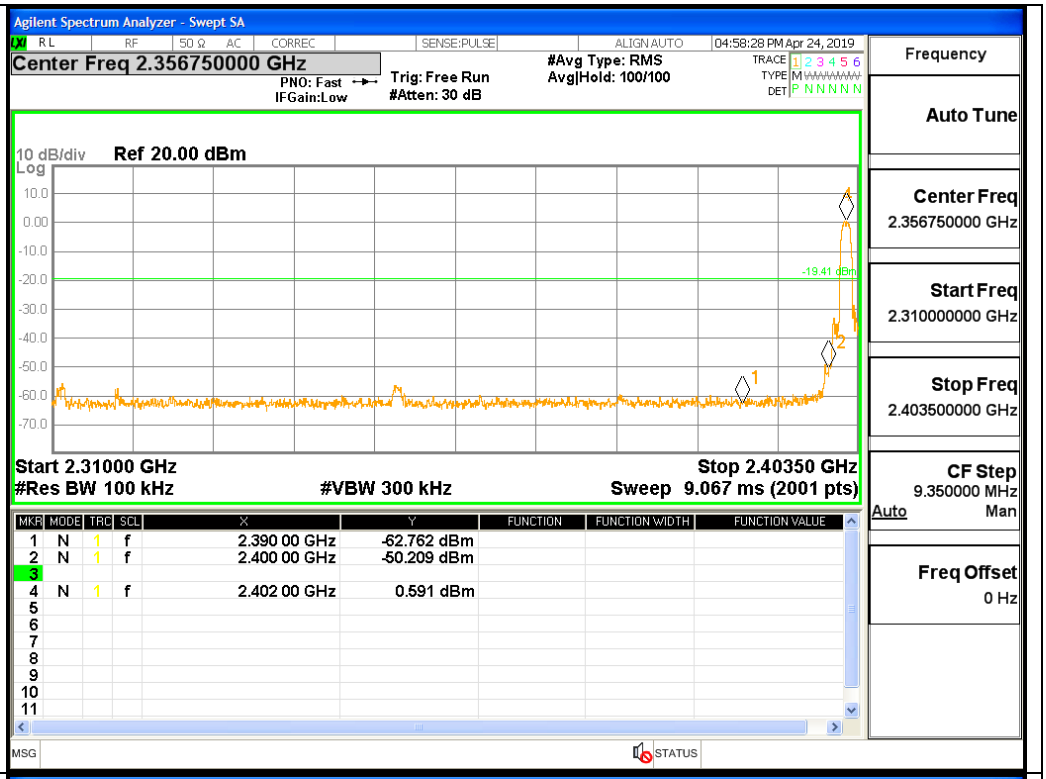
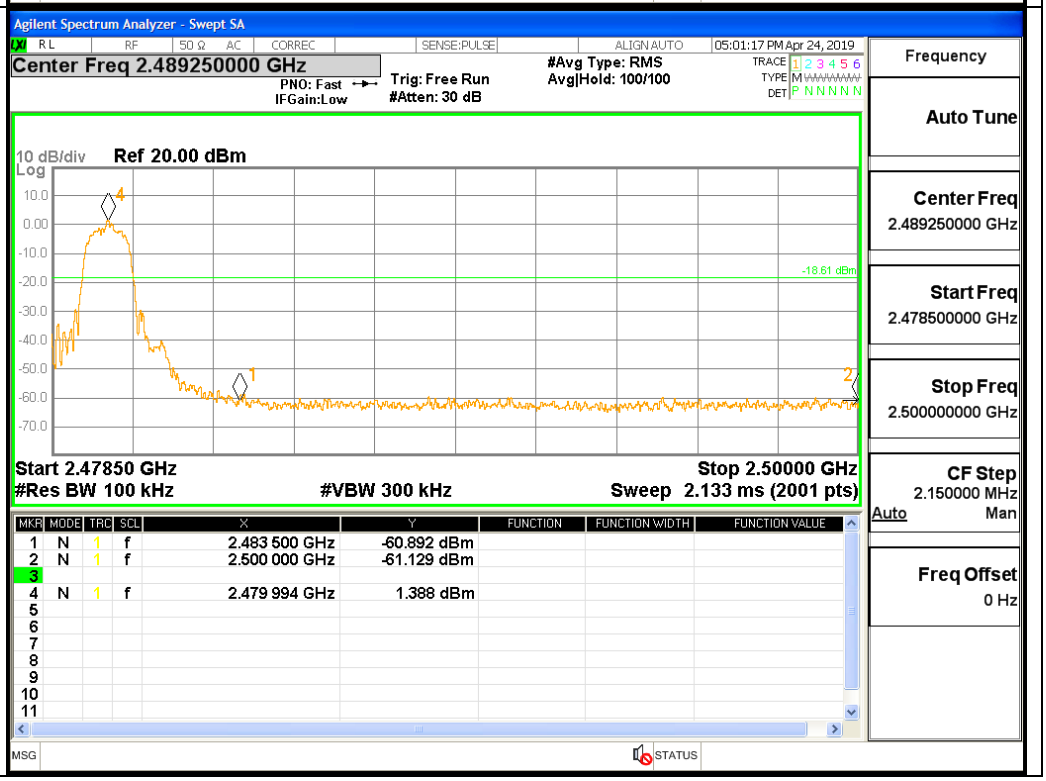
8DPSK/MCH	
8DPSK/HCH	

A.6 Band-edge for RF Conducted Emissions

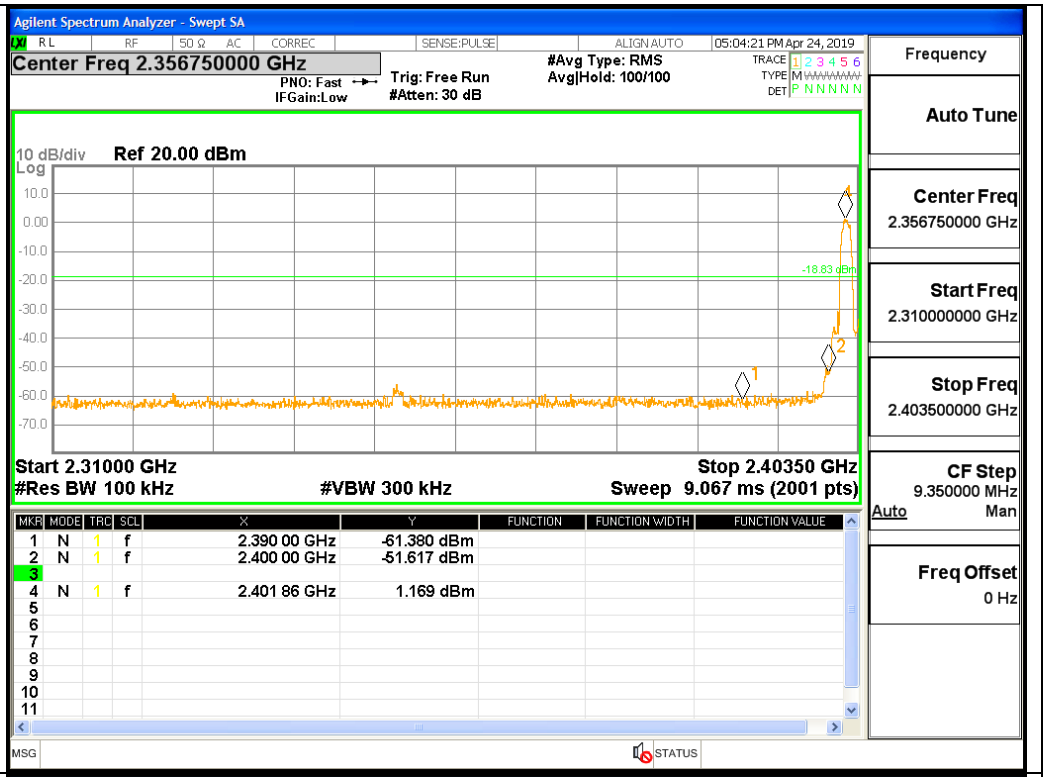
Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2400	3.382	-55.99	-16.618	Pass
1DH5	2480	2483.5	2.976	-60.69	-17.024	Pass
2DH5	2402	2400	0.591	-50.21	-19.409	Pass
2DH5	2480	2483.5	1.388	-60.89	-18.612	Pass
3DH5	2402	2400	1.169	-51.62	-18.831	Pass
3DH5	2480	2492.325	1.267	-58.791	-18.733	Pass
1DH5-Hopping	2402	2399.61	8.249	-32.793	-11.751	Pass
1DH5-Hopping	2480	2483.5	8.376	-35.79	-11.624	Pass
2DH5-Hopping	2402	2399.25	6.876	-38.417	-13.124	Pass
2DH5-Hopping	2480	2483.65	6.927	-34.148	-13.073	Pass
3DH5-Hopping	2402	2399.25	6.873	-35.335	-13.127	Pass
3DH5-Hopping	2480	2483.56	6.967	-35.539	-13.033	Pass

Test Graph

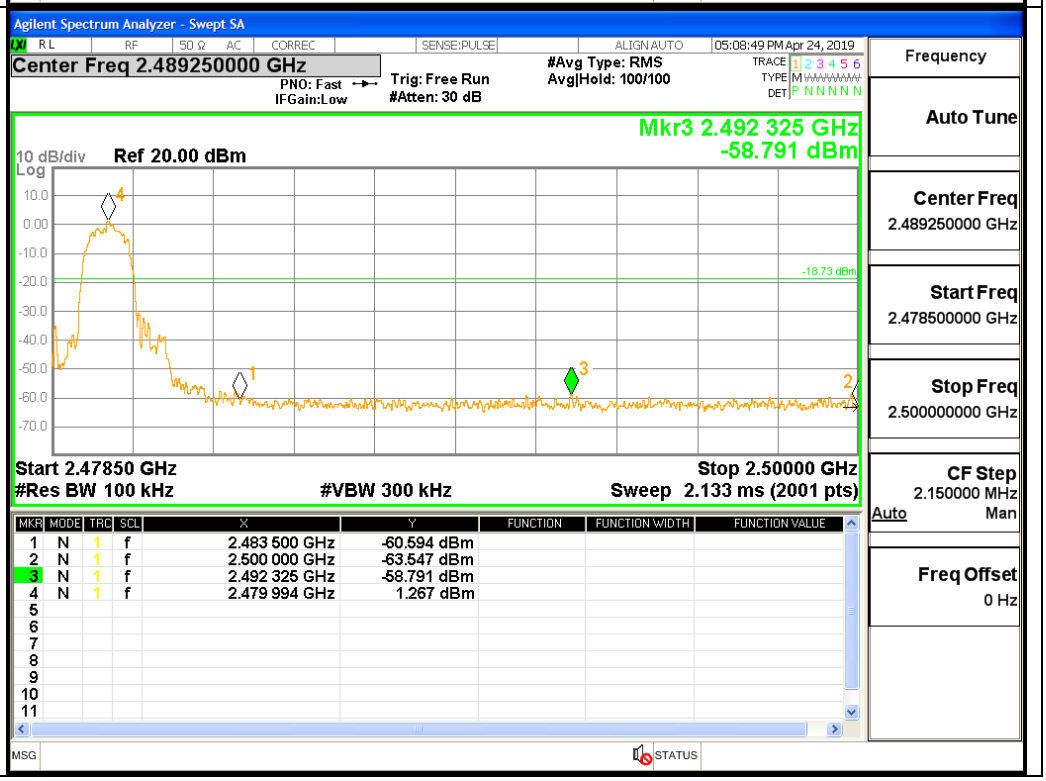
Graphs	
GFSK/LCH/No Hop	
GFSK/HCH/No Hop	

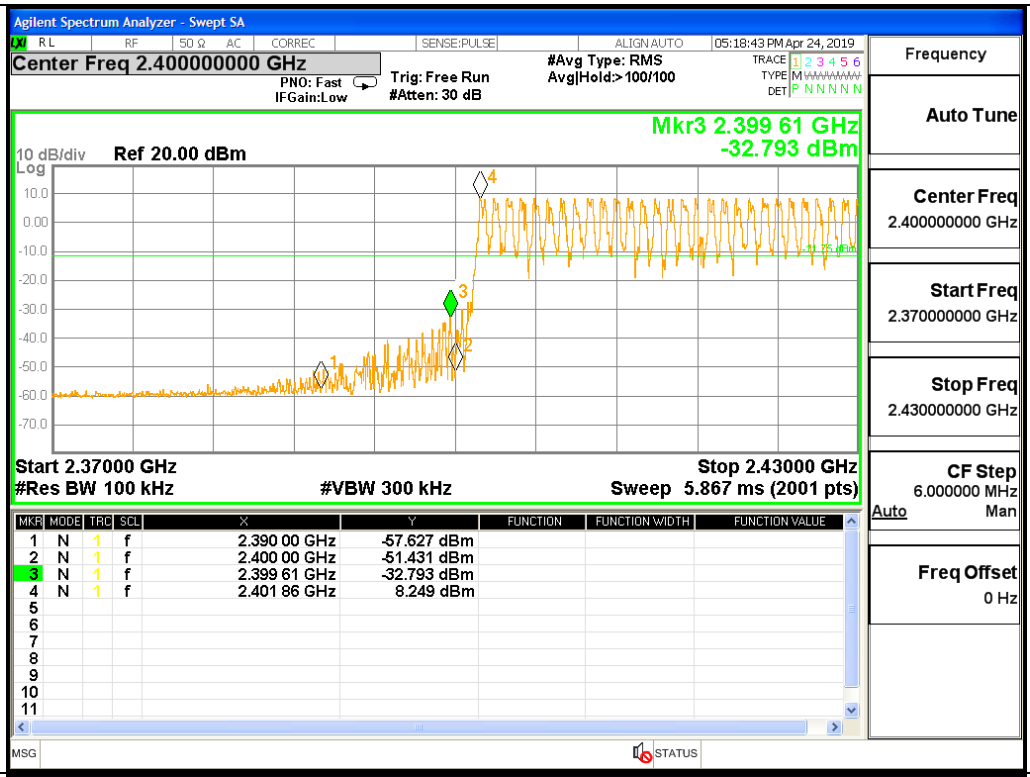
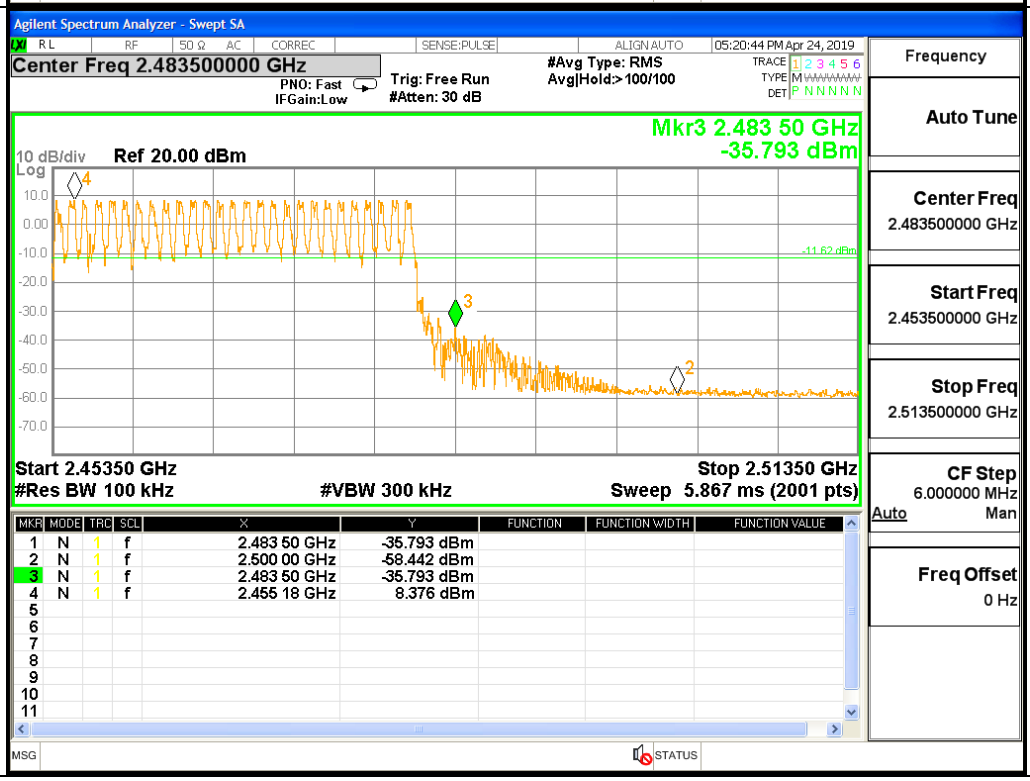
π/4DQPSK/LCH/No Hop	
π/4DQPSK/HCH/No Hop	

8DPSK/LCH/No Hop

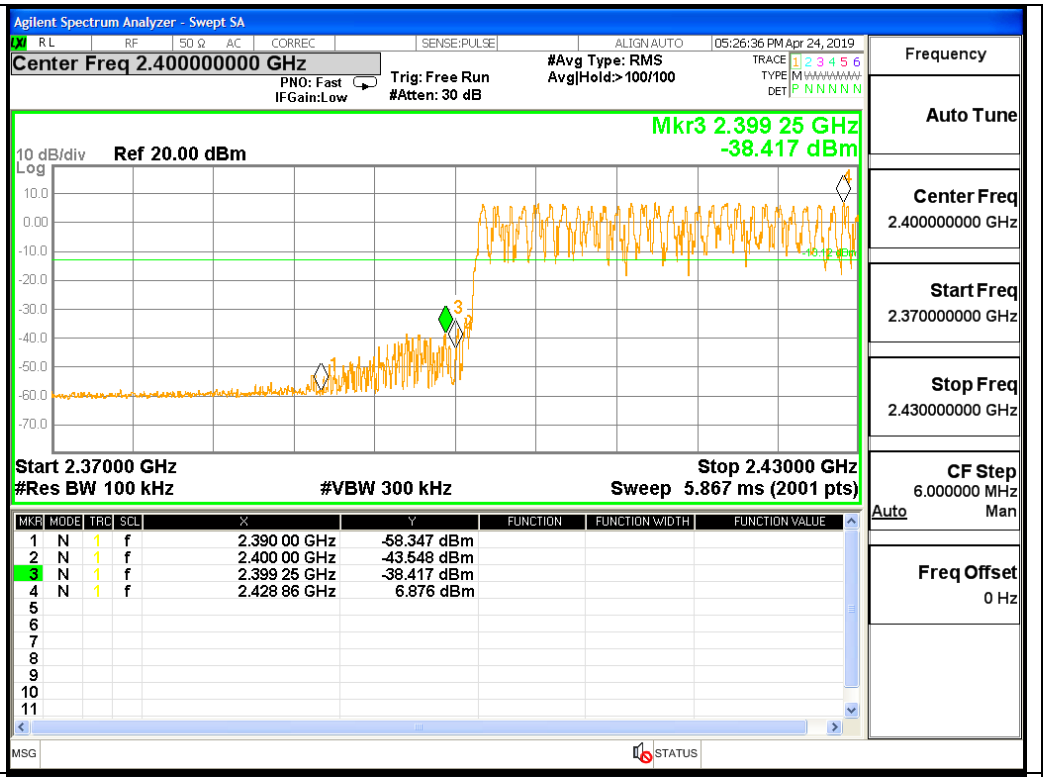


8DPSK/HCH/No Hop

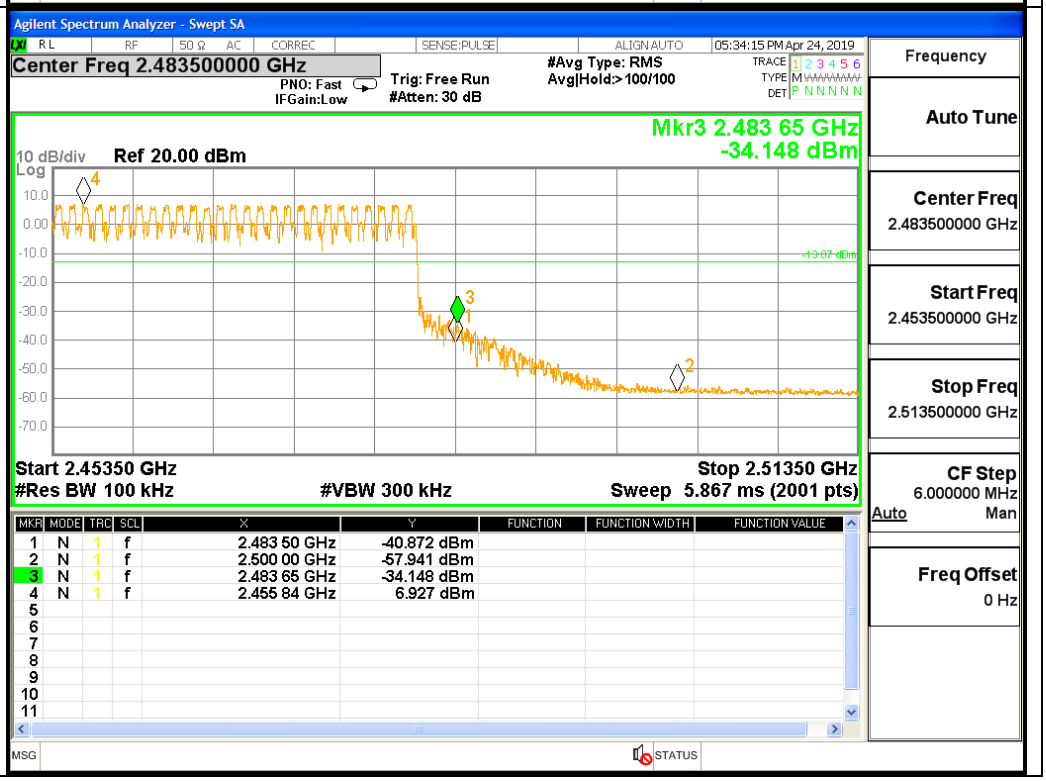


GFSK/LCH/Hop	
GFSK/HCH/Hop	

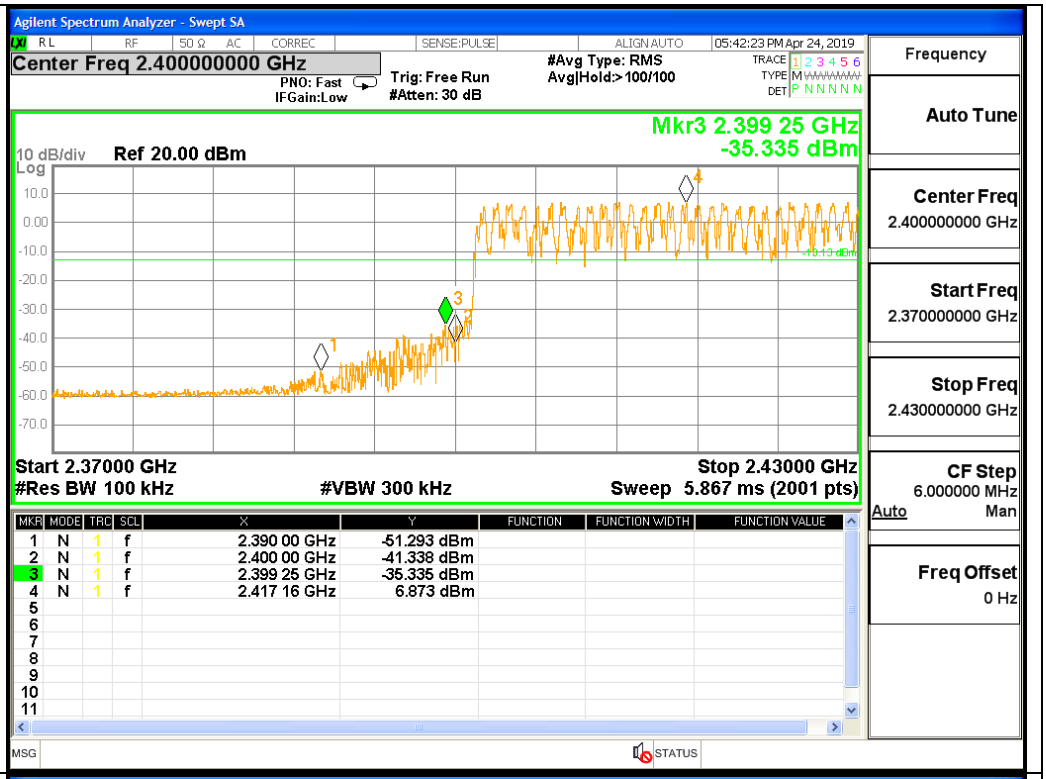
π/4DQPSK/LCH/Hop



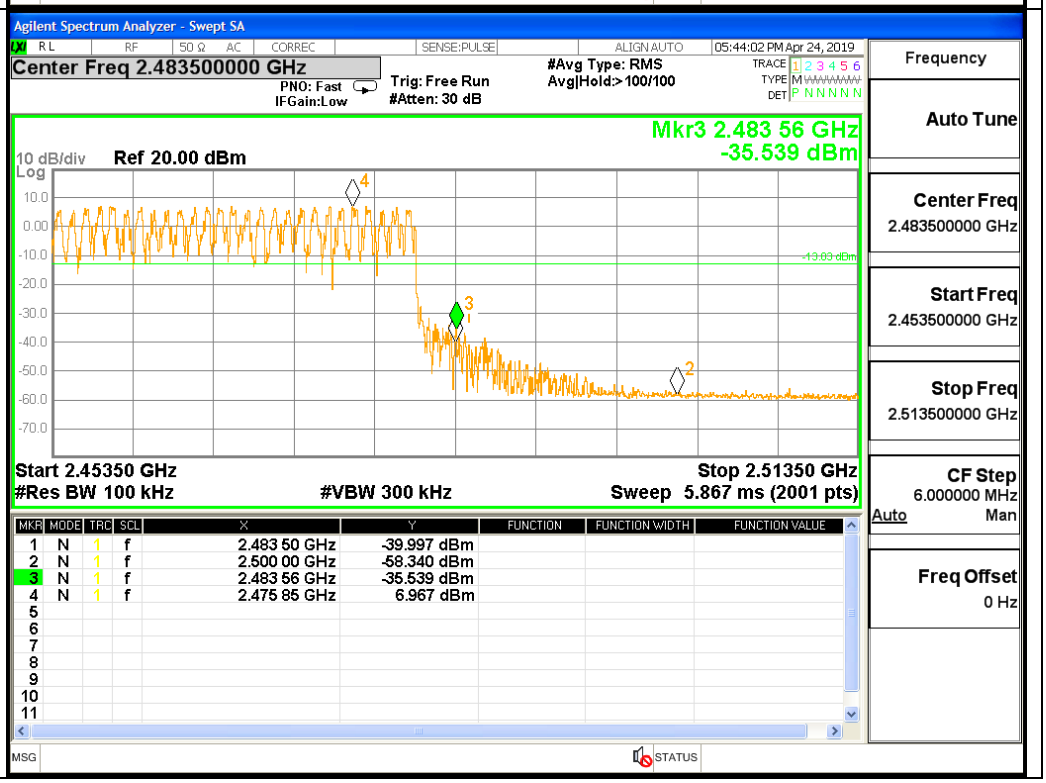
π /4DQPSK/HCH/Hop



8DPSK/LCH/Hop

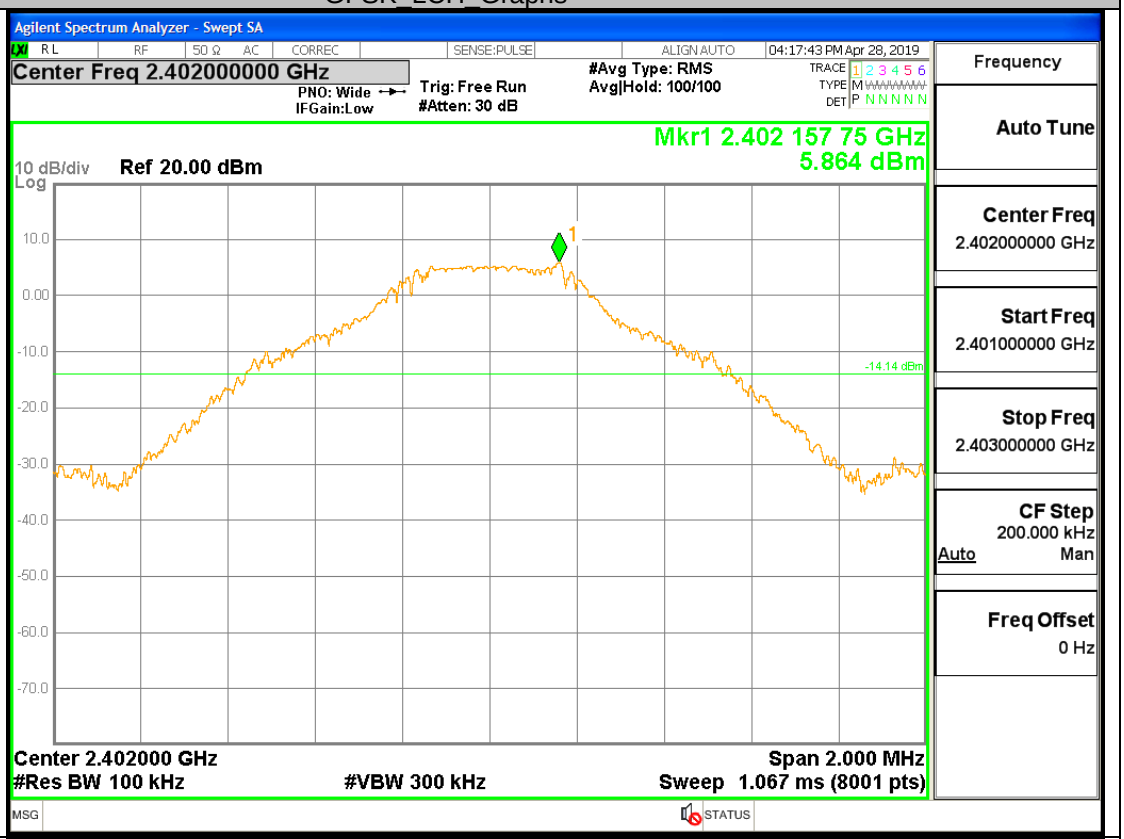
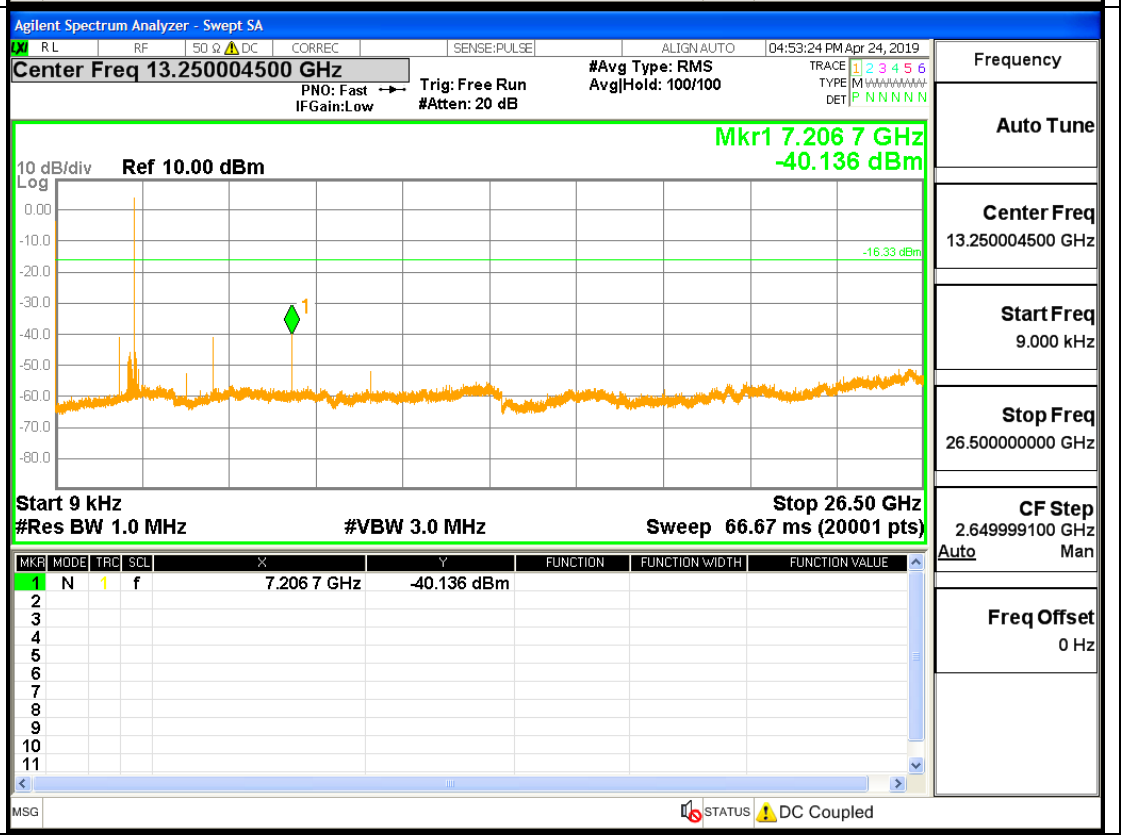


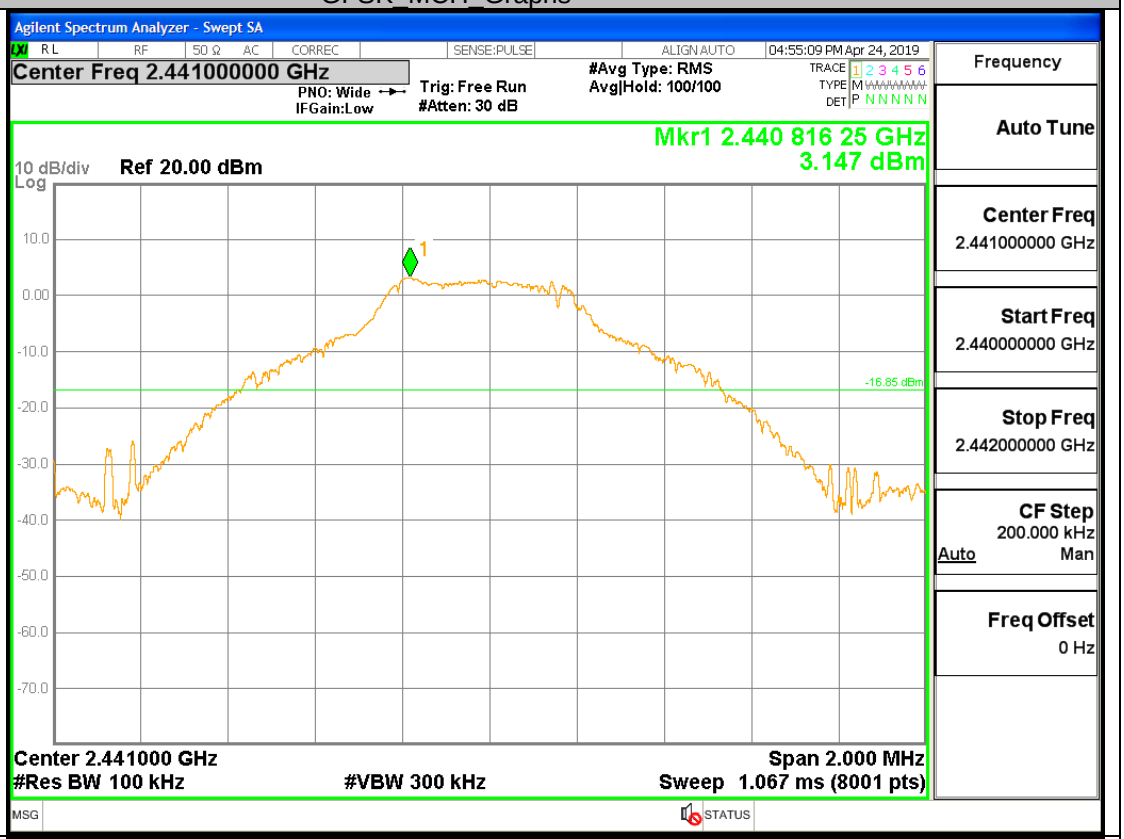
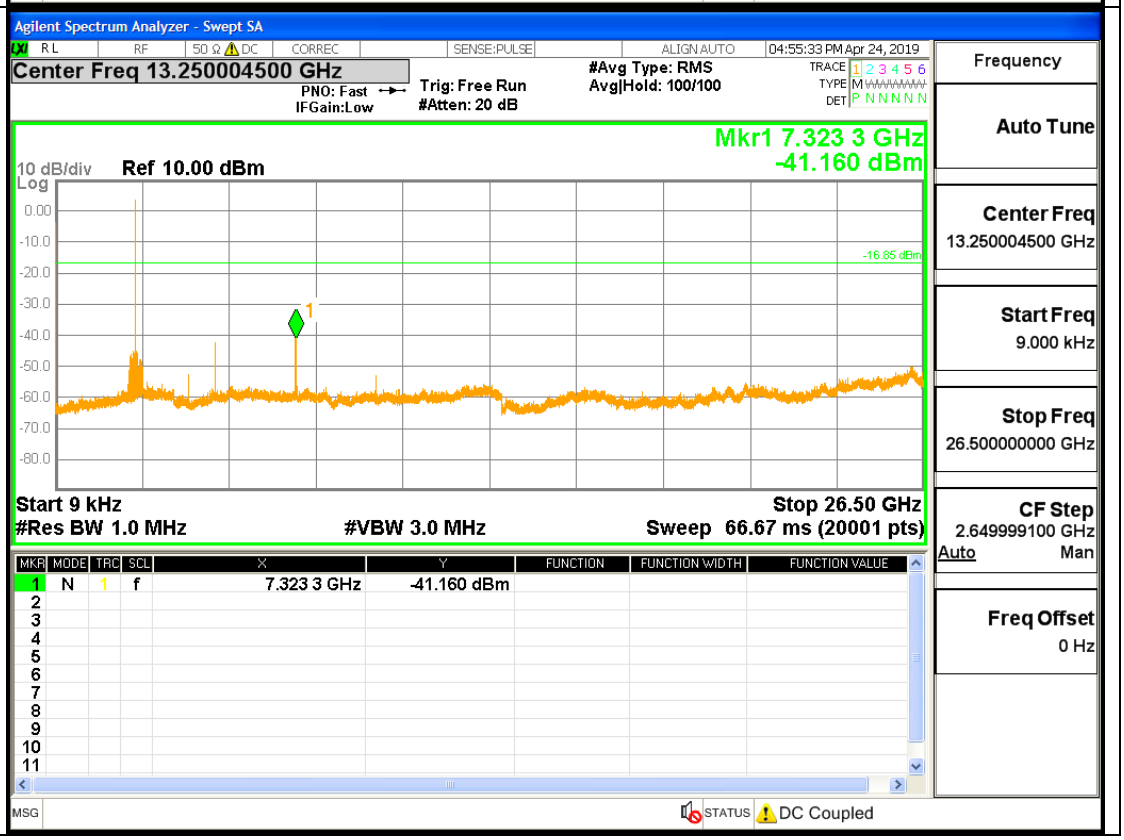
8DPSK/HCH/Hop

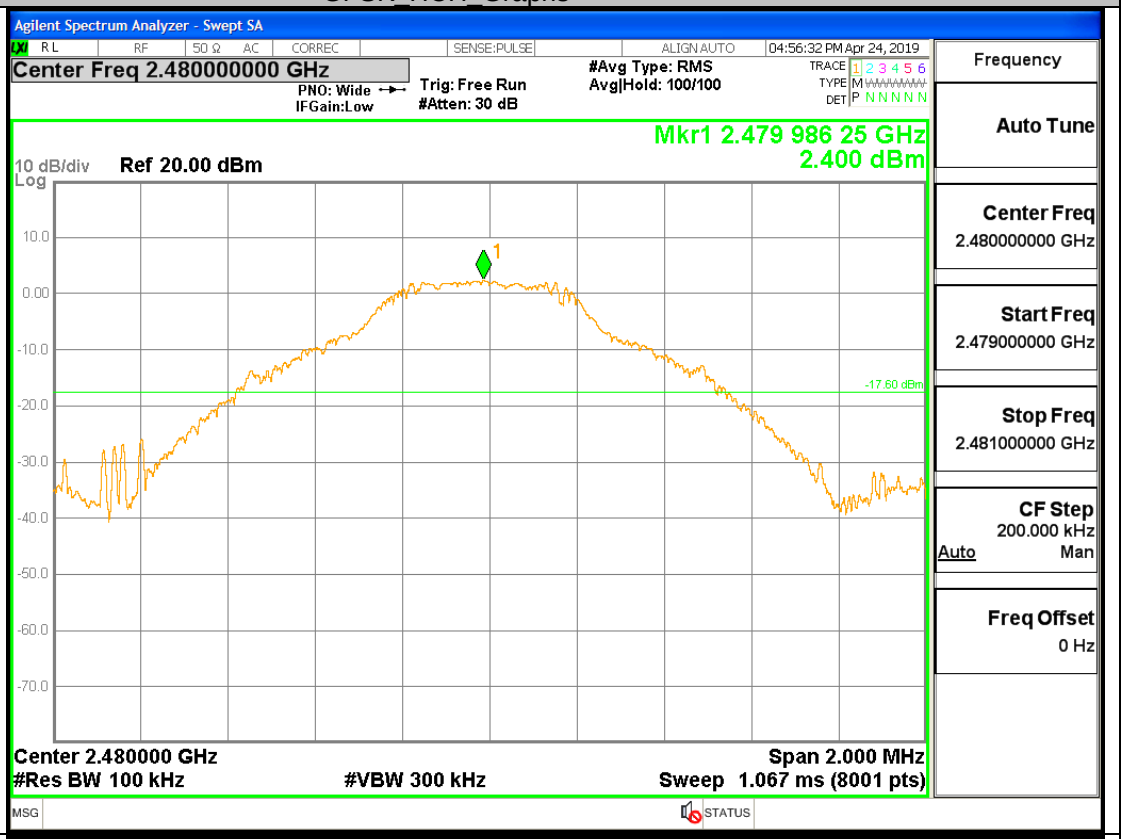
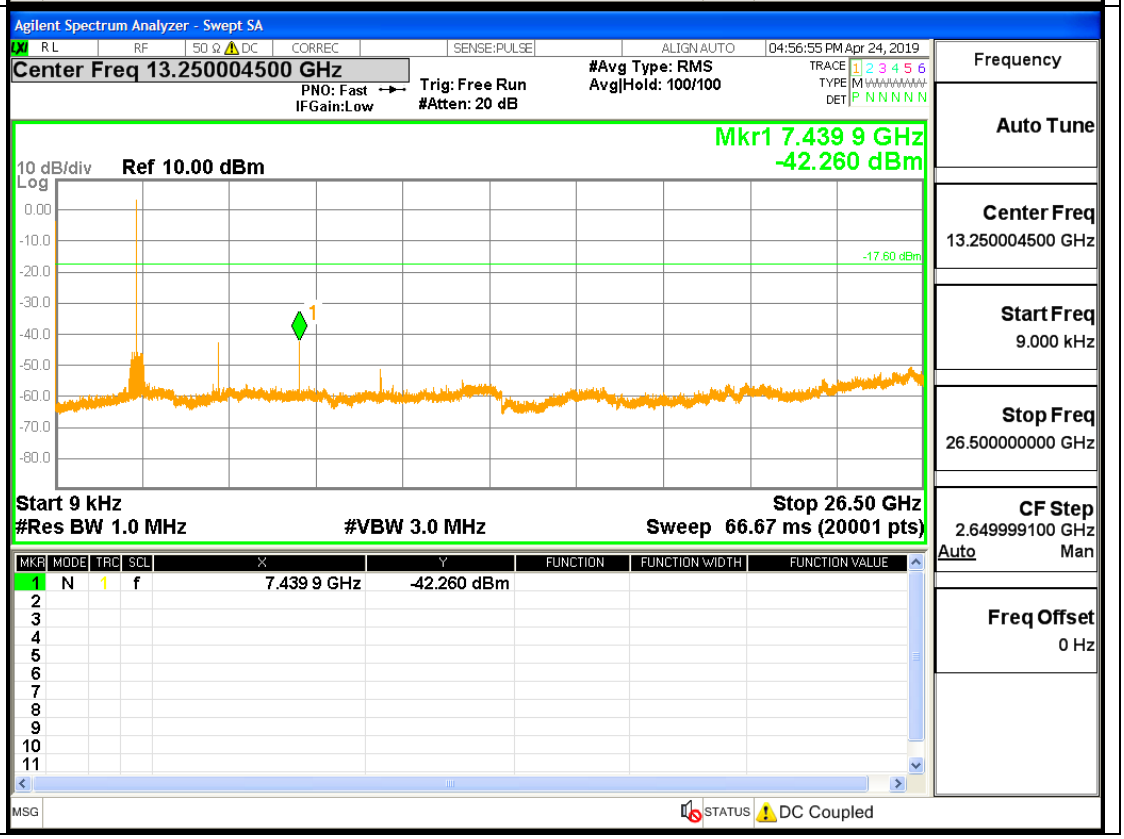


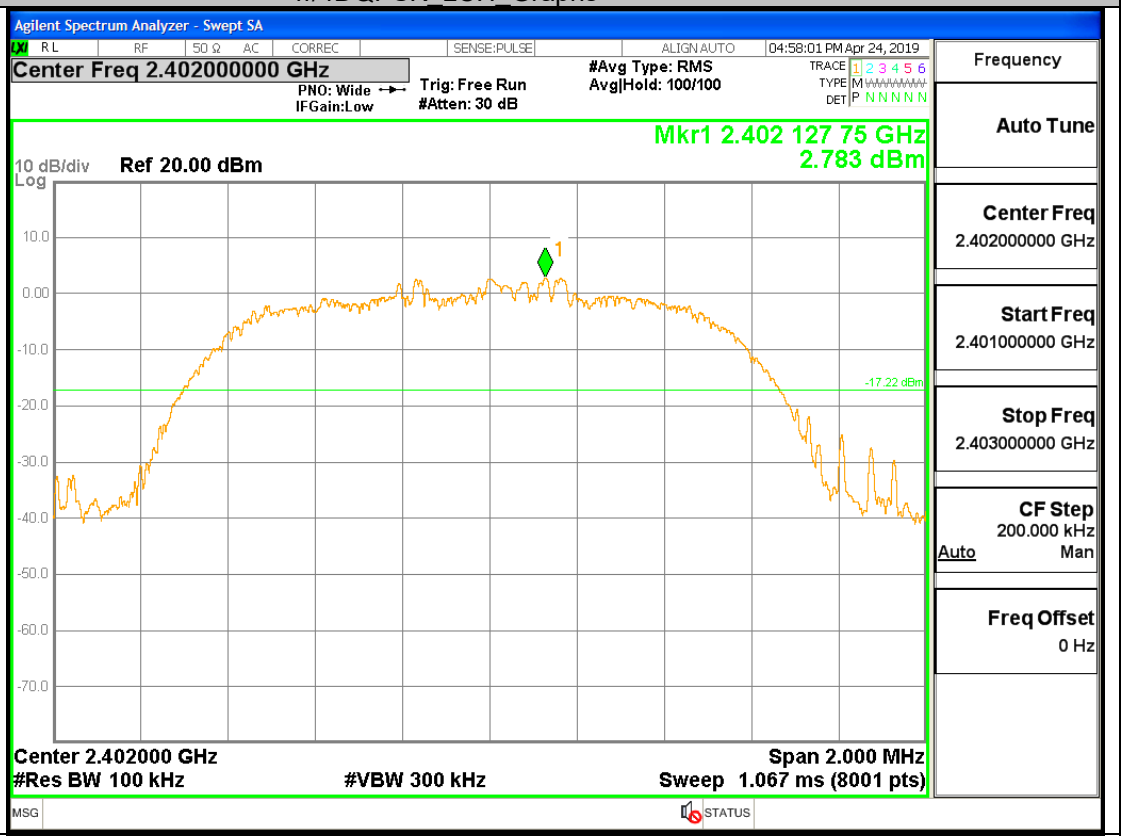
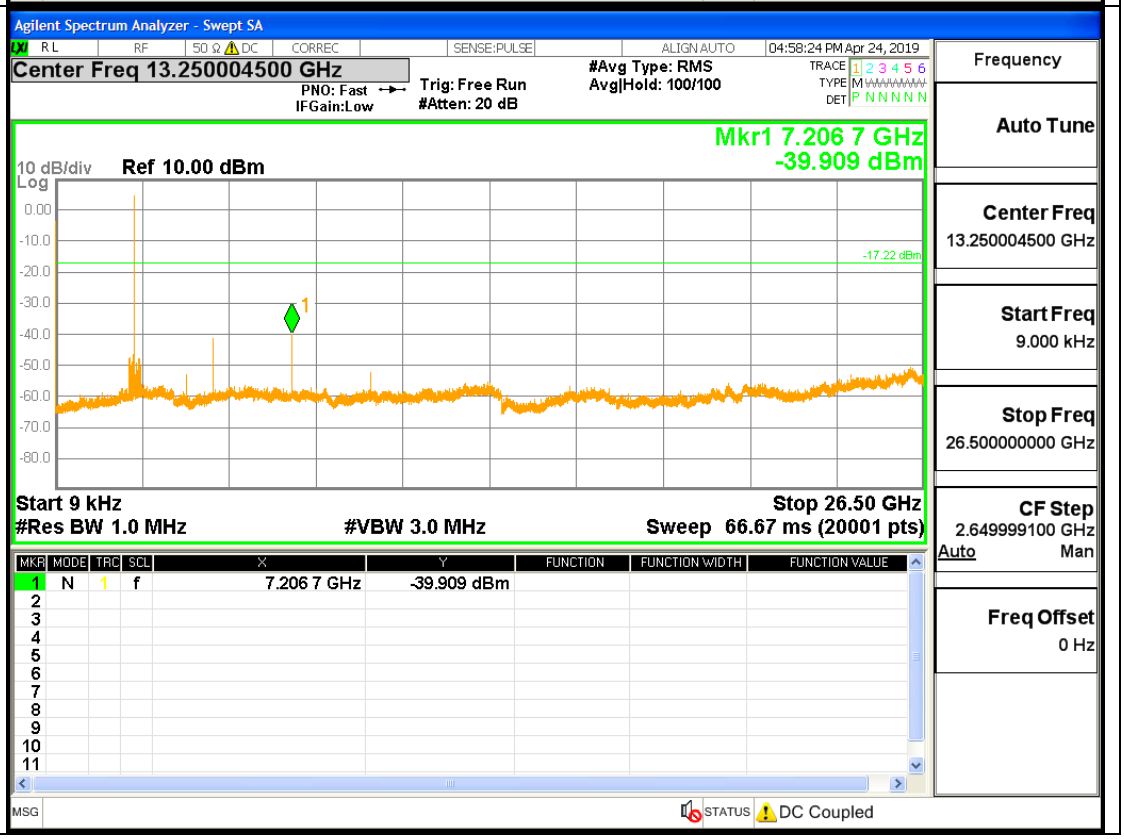
A.7 RF Conducted Spurious Emissions

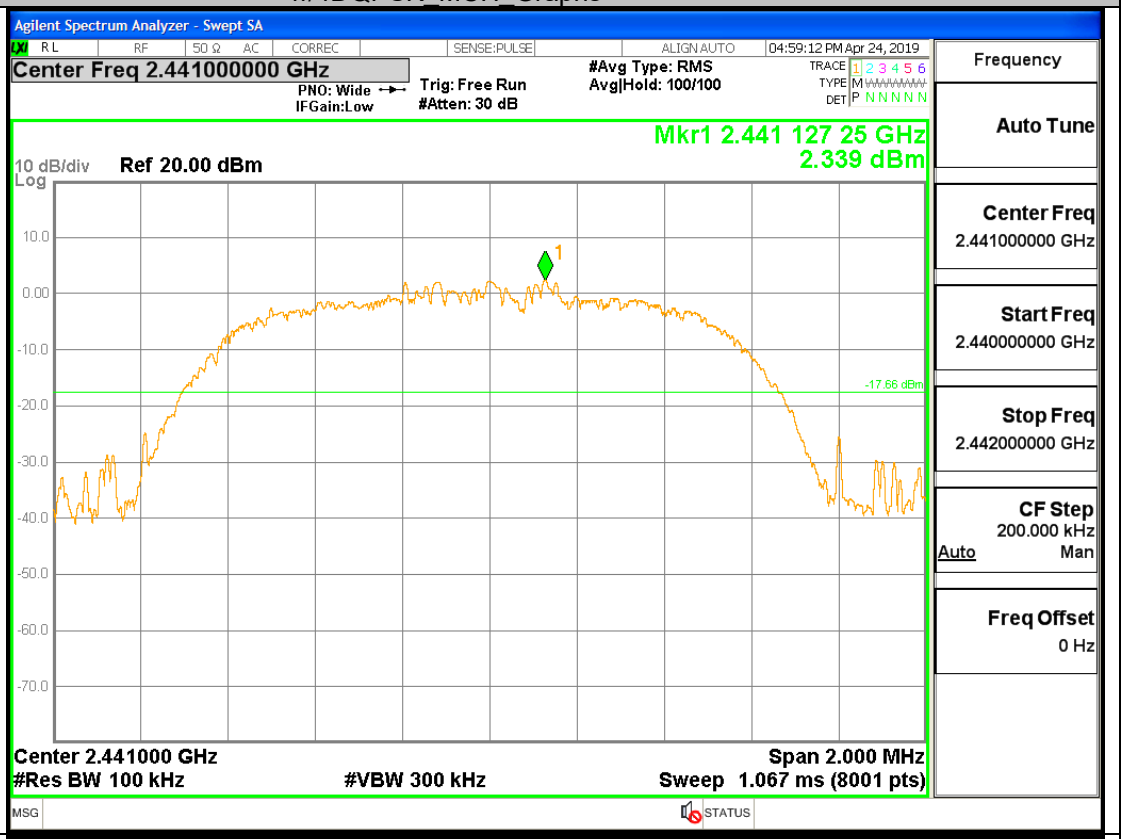
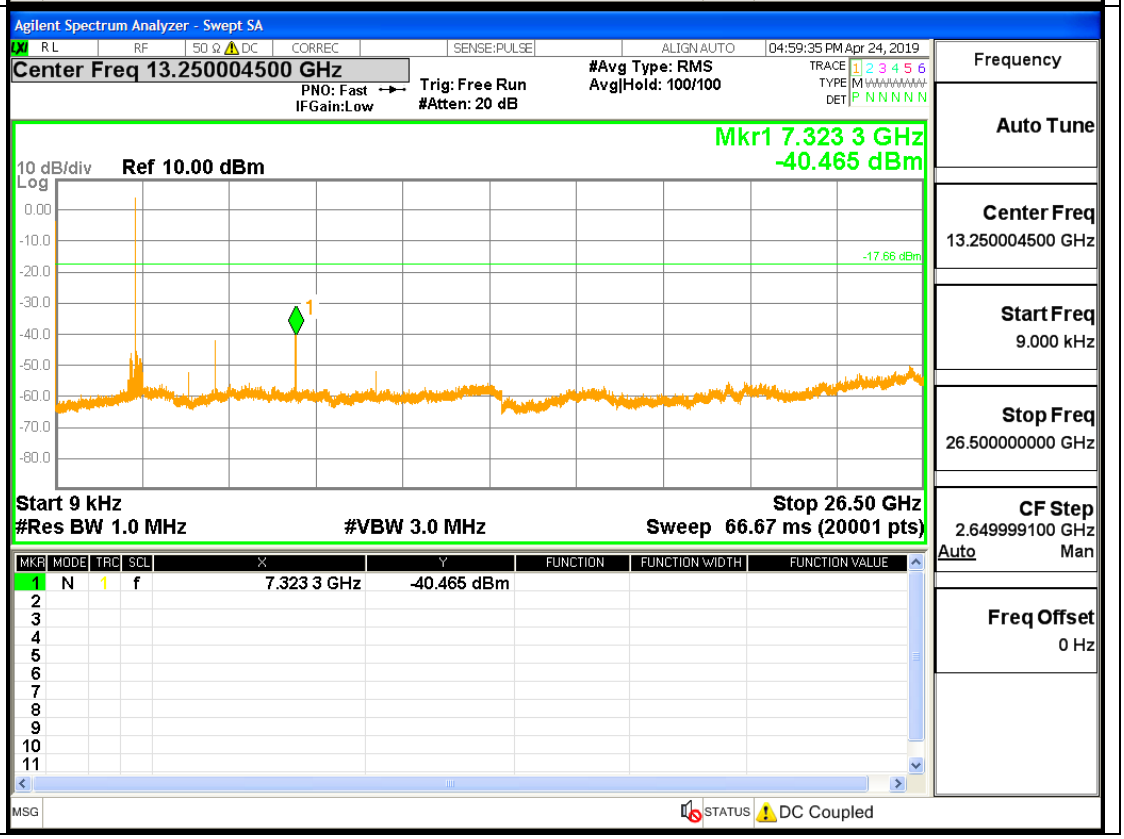
Test Graph

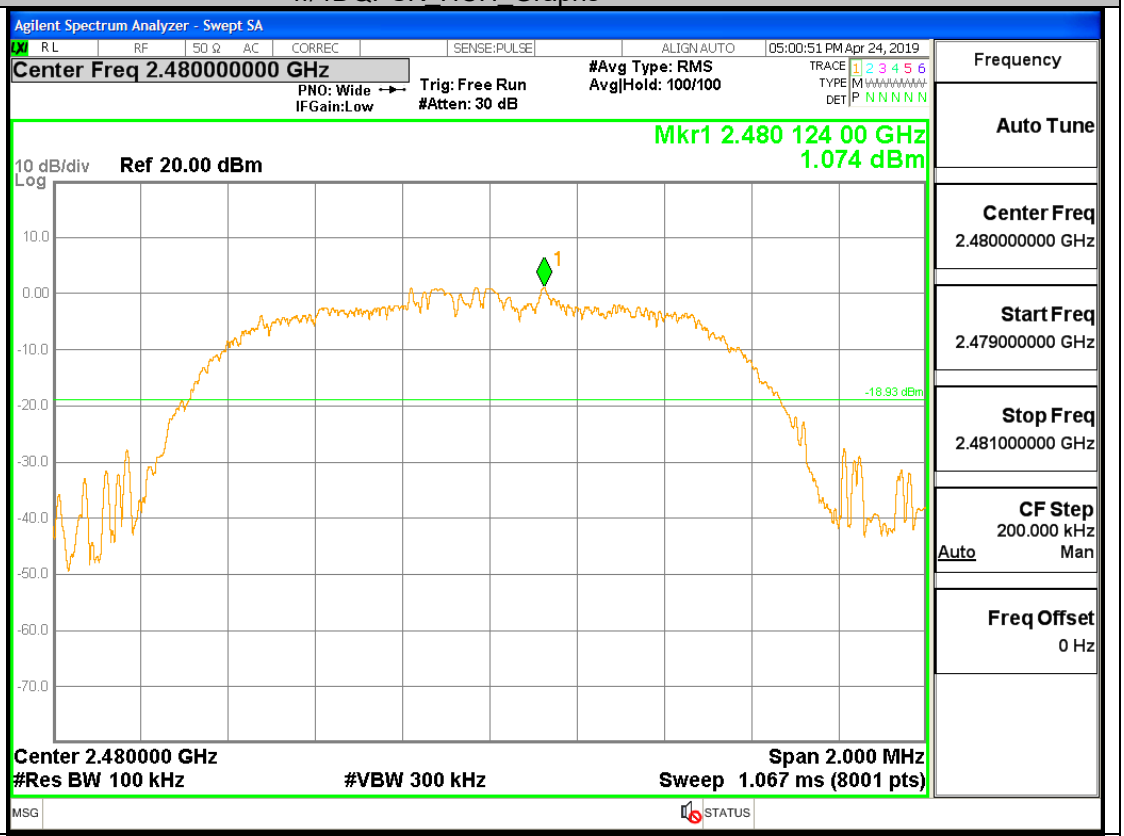
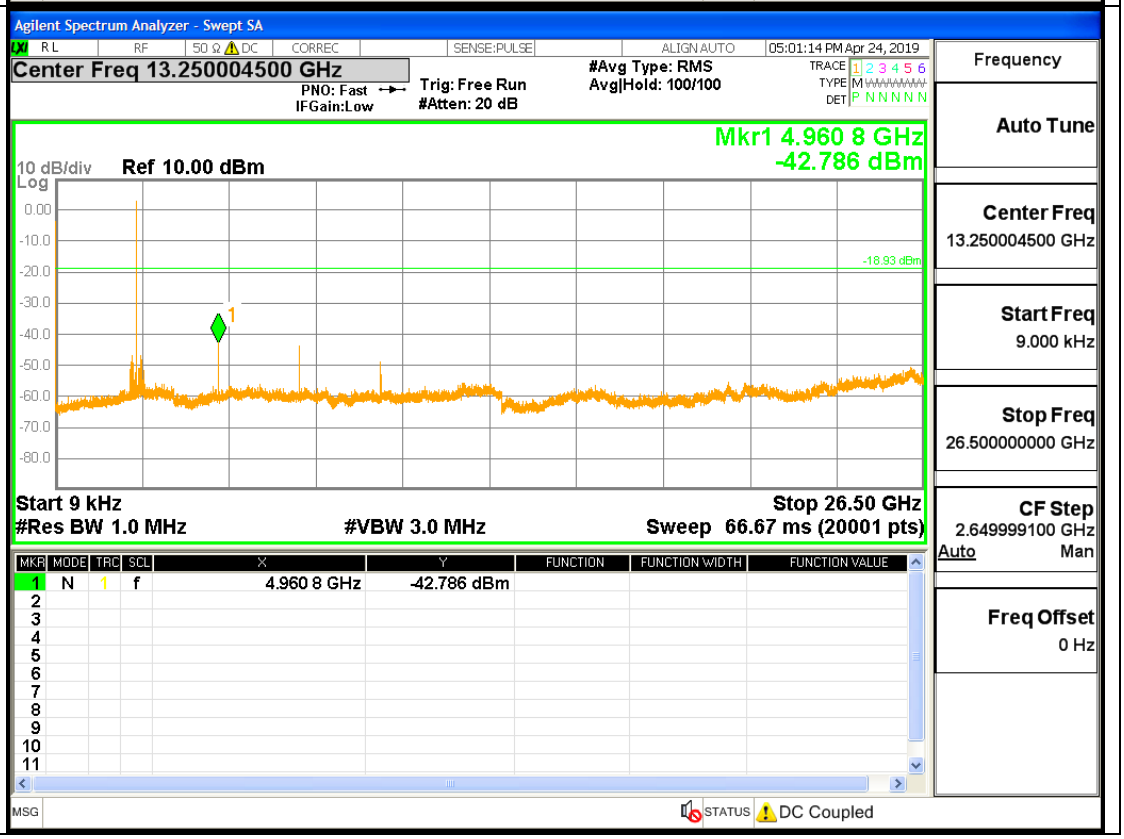
GFSK_LCH_Graphs	
Pref	
Puw	

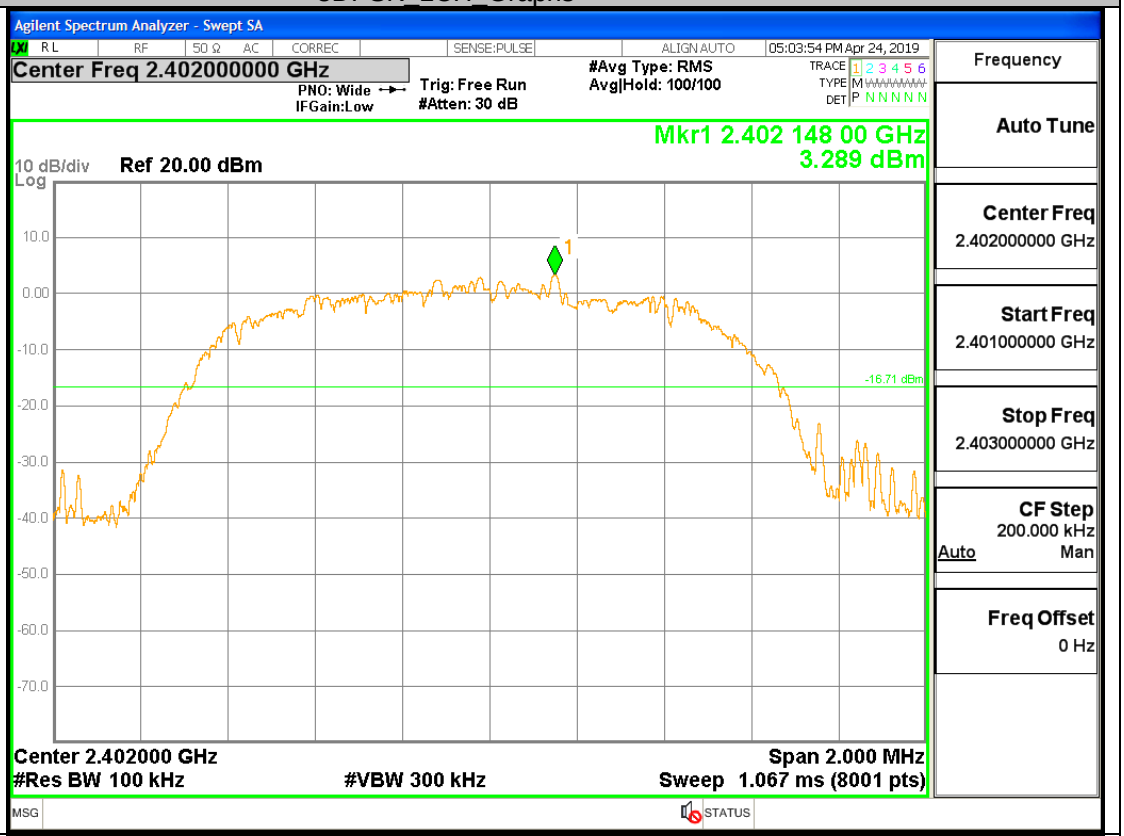
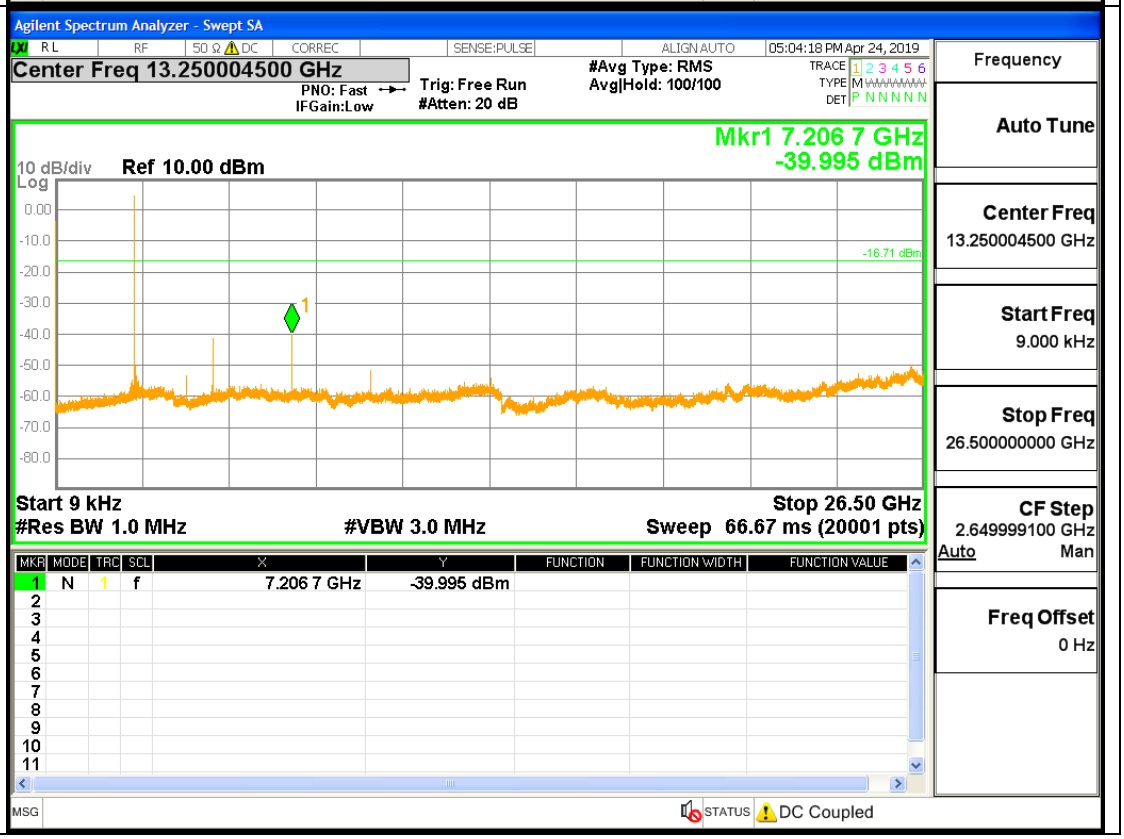
GFSK_MCH_Graphs	
Pref	
Puw	

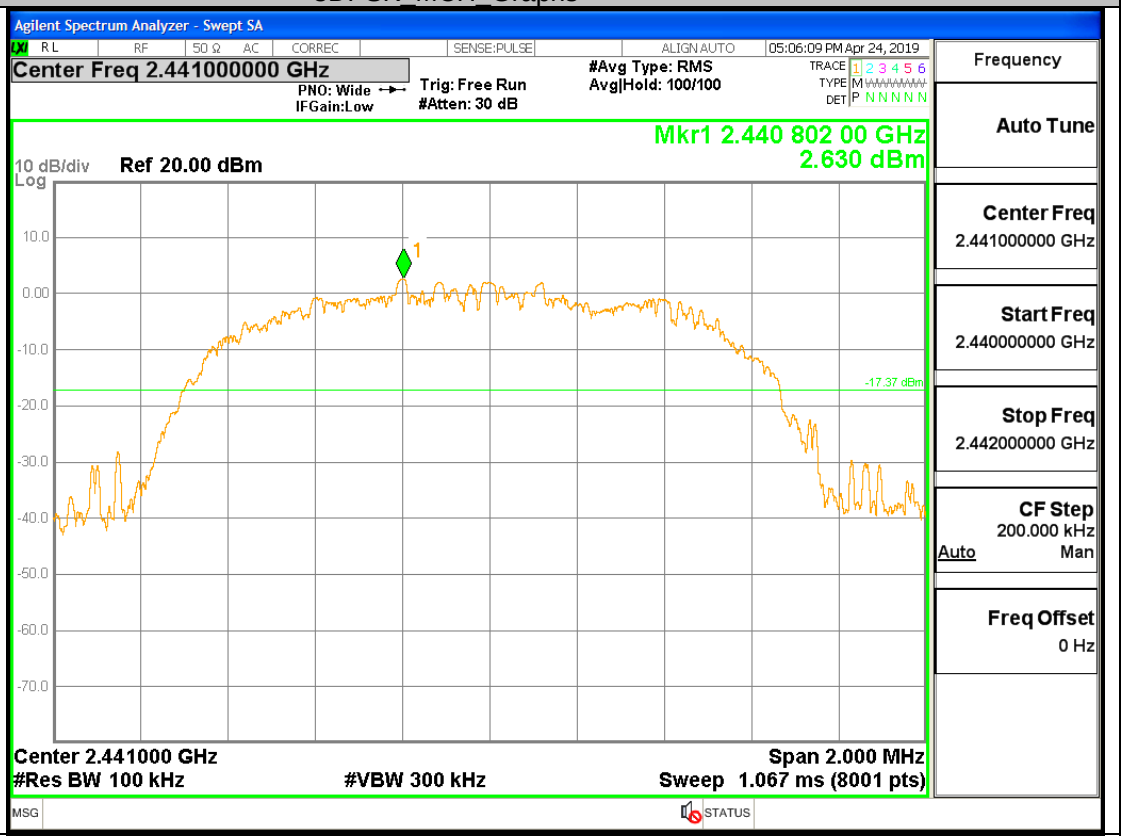
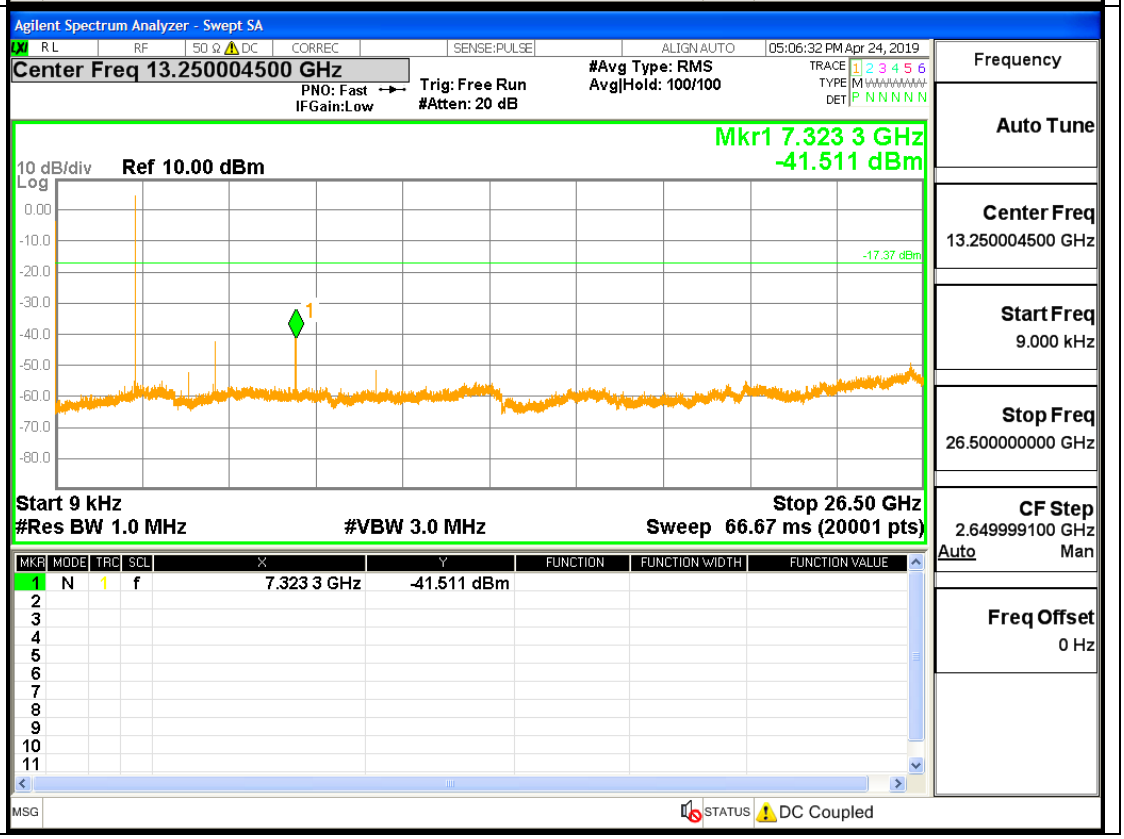
GFSK_HCH_Graphs	
Pref	
Puw	

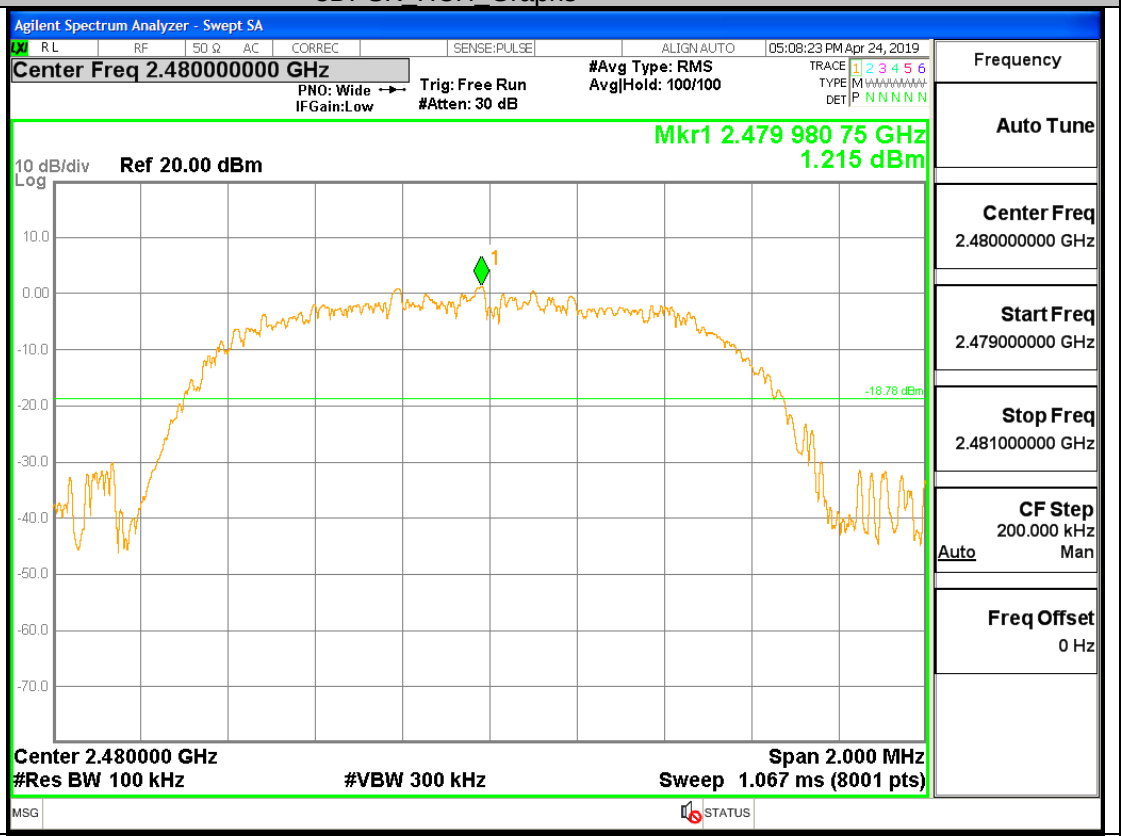
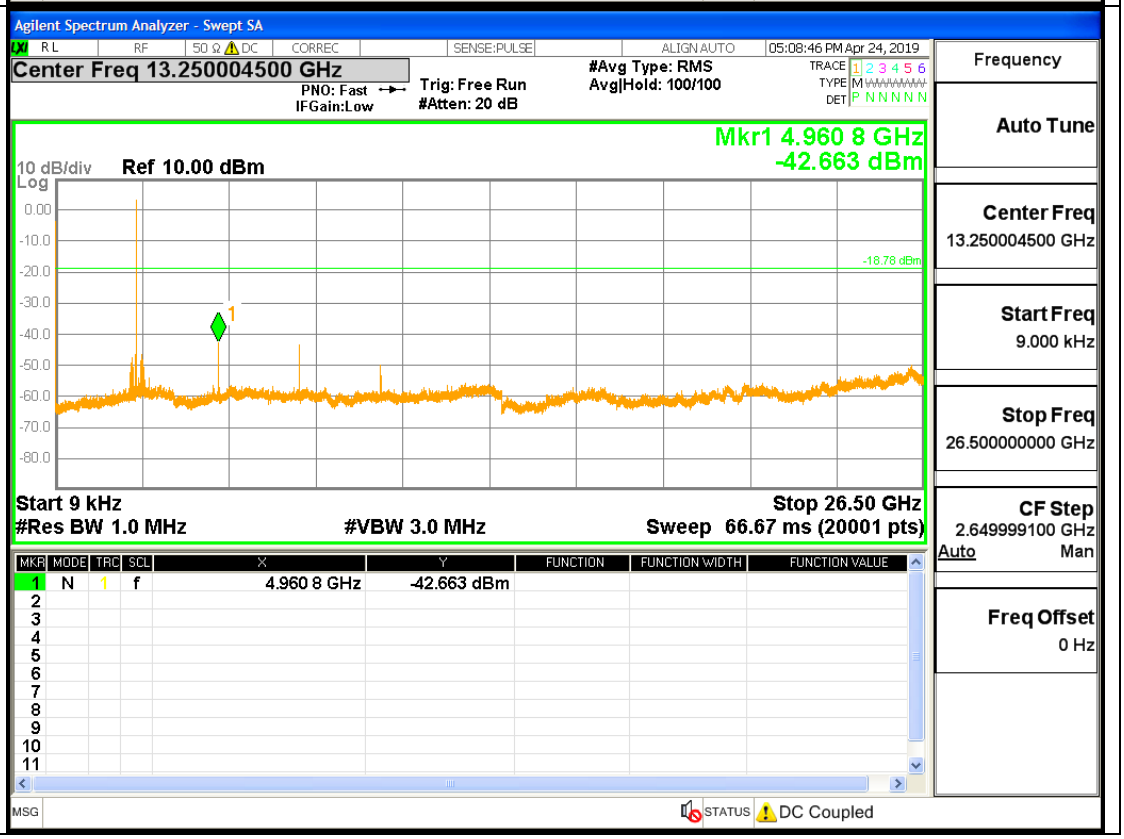
π/4DQPSK_LCH_Graphs	
Pref	
Puw	

π/4DQPSK_MCH_Graphs	
Pref	
Puw	

π/4DQPSK_HCH_Graphs	
Pref	
Puw	

8DPSK_LCH_Graphs	
Pref	
Puw	

8DPSK_MCH_Graphs	
Pref	
Puw	

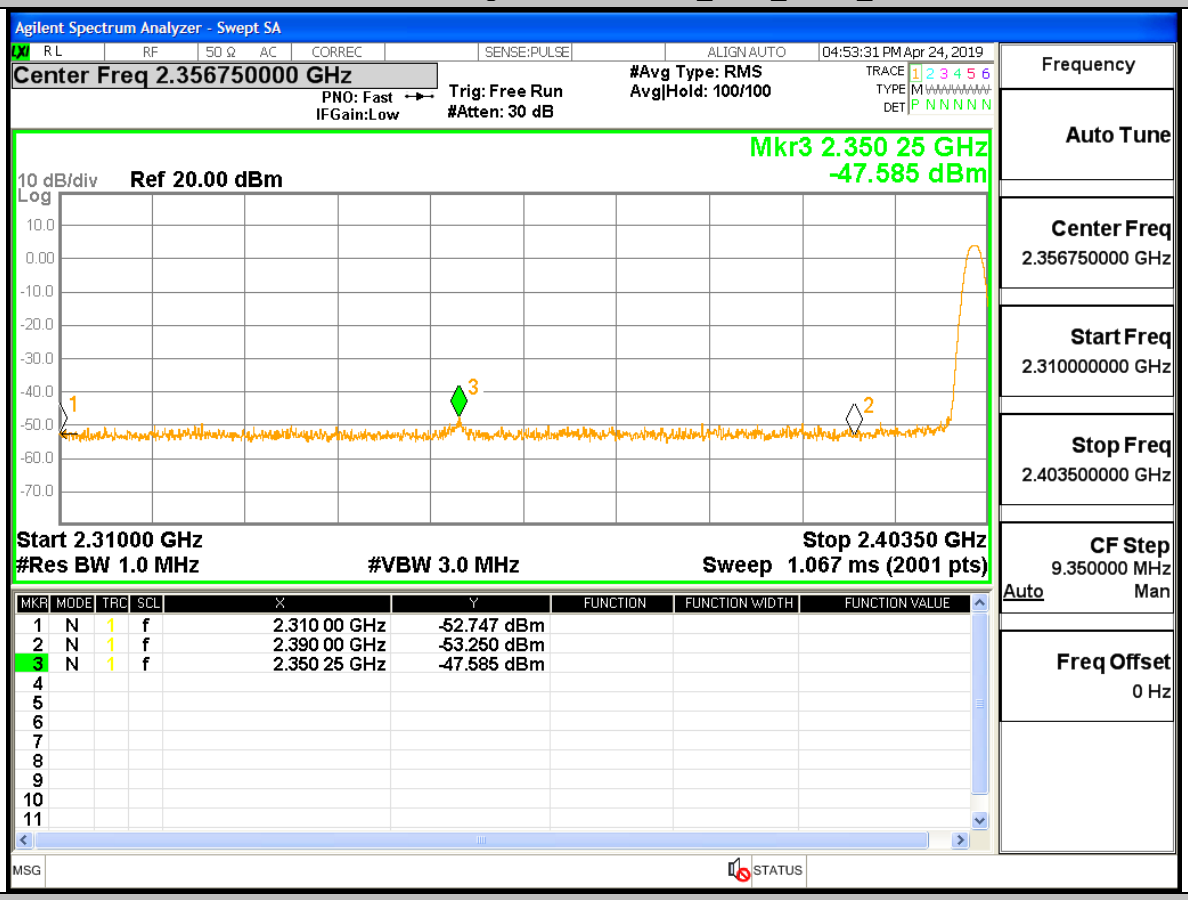
8DPSK_HCH_Graphs	
Pref	
Puw	

A.8 Restrict-band band-edge measurements

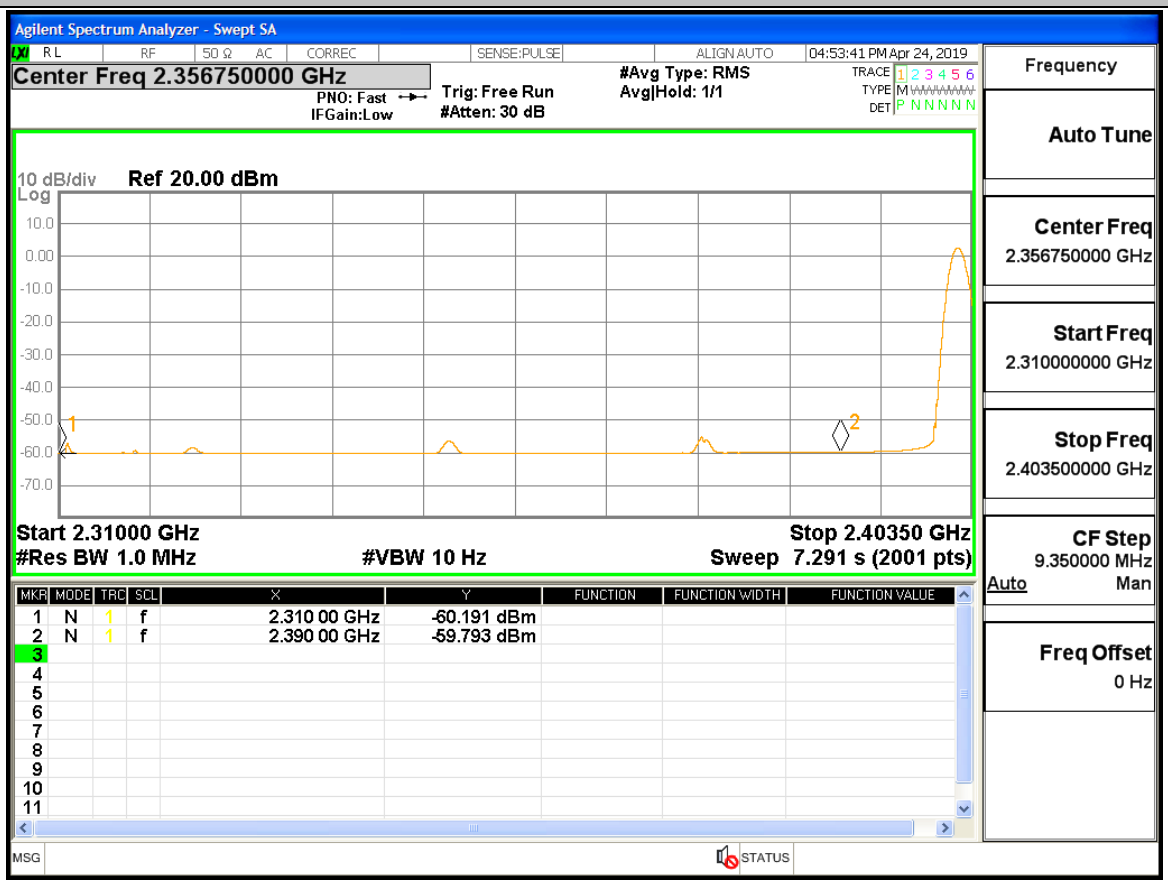
Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2350.25	2.00	0.00	-47.59	49.62	74	Pass
1DH5	2480	2483.50	2.00	0.00	-49.45	47.75	74	Pass
2DH5	2402	2349.55	2.00	0.00	-48.54	48.66	74	Pass
2DH5	2480	2483.50	2.00	0.00	-49.50	47.70	74	Pass
3DH5	2402	2349.36	2.00	0.00	-42.42	54.78	74	Pass
3DH5	2480	2483.50	2.00	0.00	-47.65	49.55	74	Pass

Type	Carrier Frequency (MHz)	Frequency(MHz)	Gain	Ground Factor	Average Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2390.00	2.00	0.00	-59.79	37.41	54	Pass
1DH5	2480	2483.50	2.00	0.00	-56.14	41.06	54	Pass
2DH5	2402	2390.00	2.00	0.00	-59.83	37.37	54	Pass
2DH5	2480	2483.50	2.00	0.00	-55.59	41.61	54	Pass
3DH5	2402	2390.00	2.00	0.00	-59.83	37.37	54	Pass
3DH5	2480	2483.50	2.00	0.00	-55.61	41.59	54	Pass

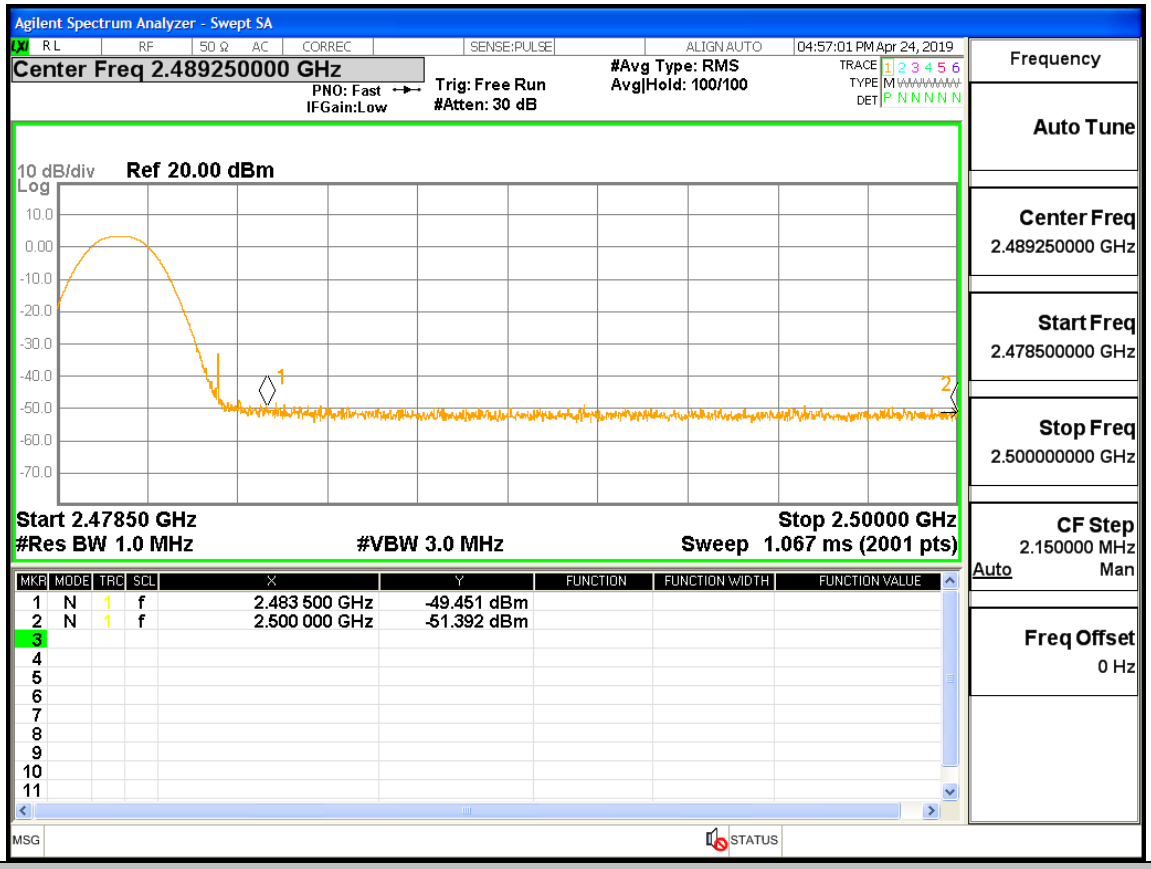
Restrict-band band-edge measurements_2402_PEAK_DH5



Restrict-band band-edge measurements_2402_AV_DH5

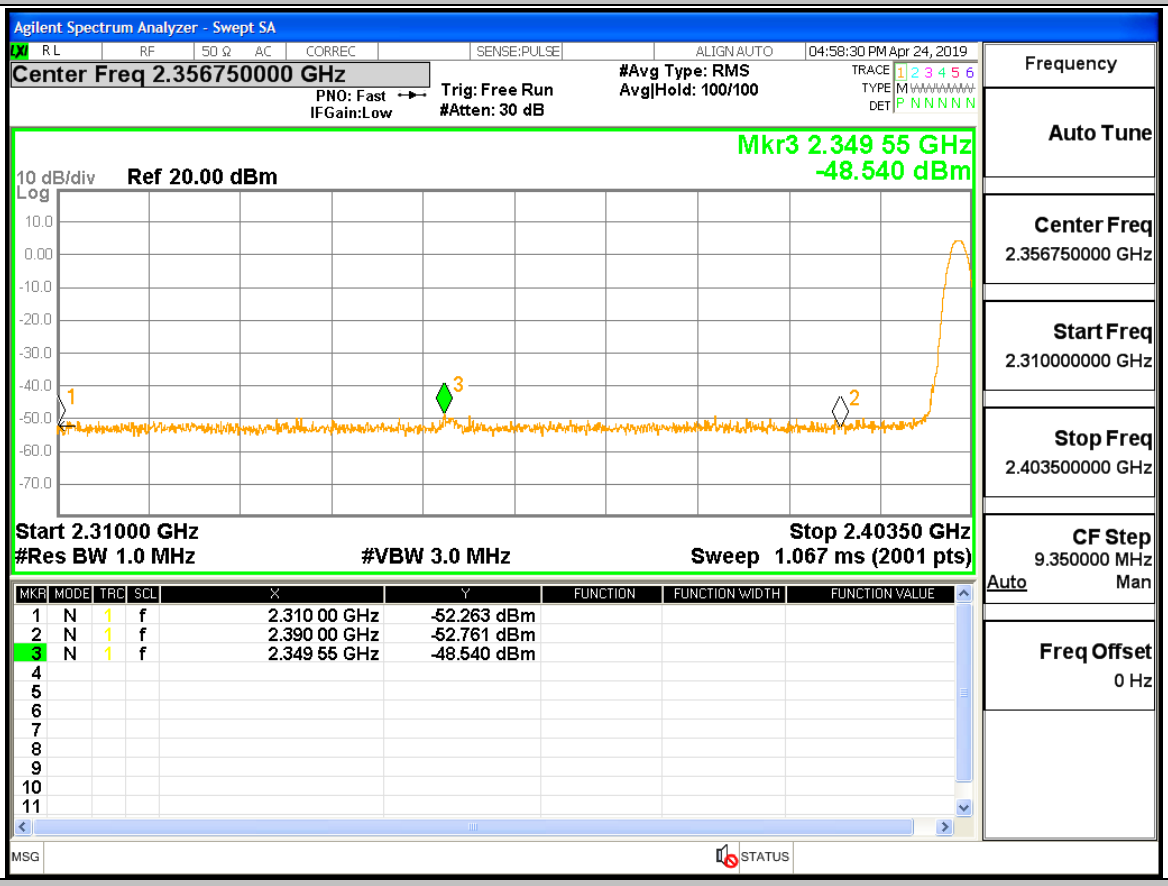


Restrict-band band-edge measurements_2480_PEAK_DH5

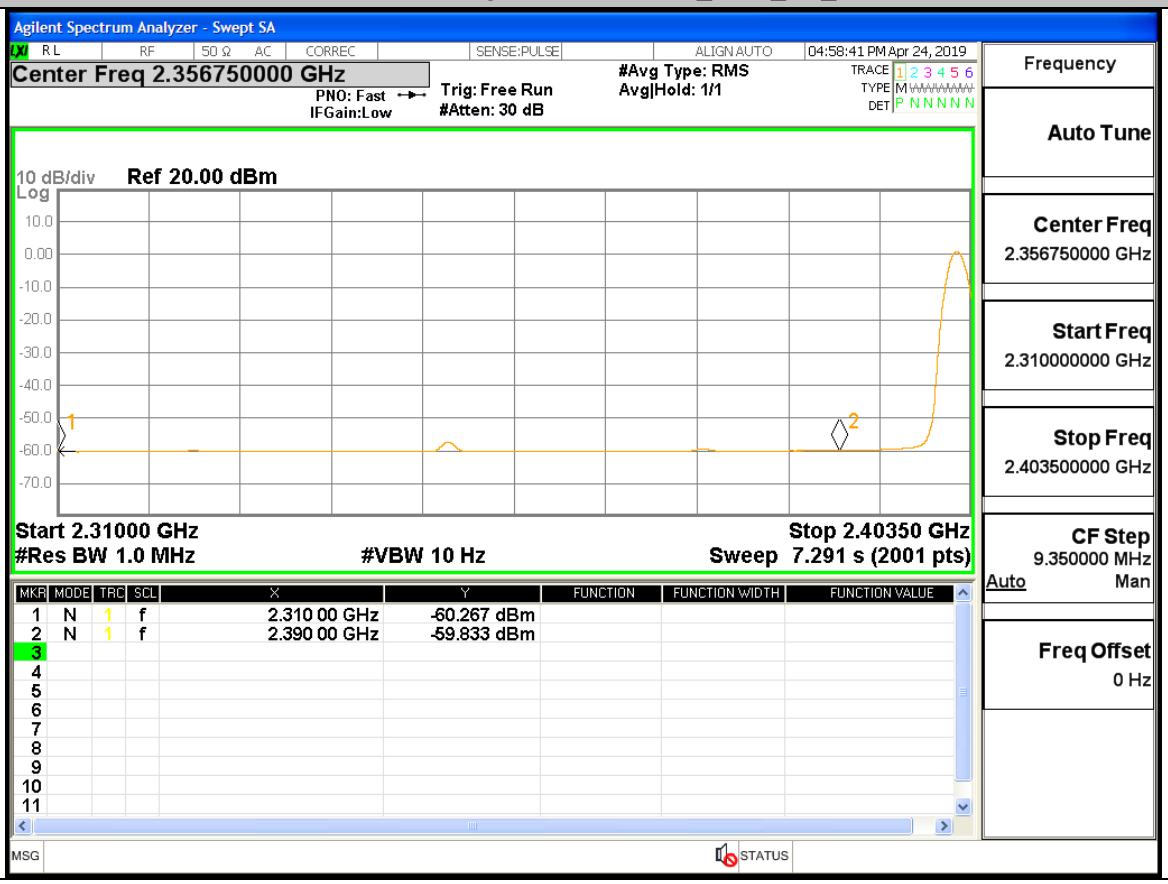


Restrict-band band-edge measurements_2480_AV_DH5

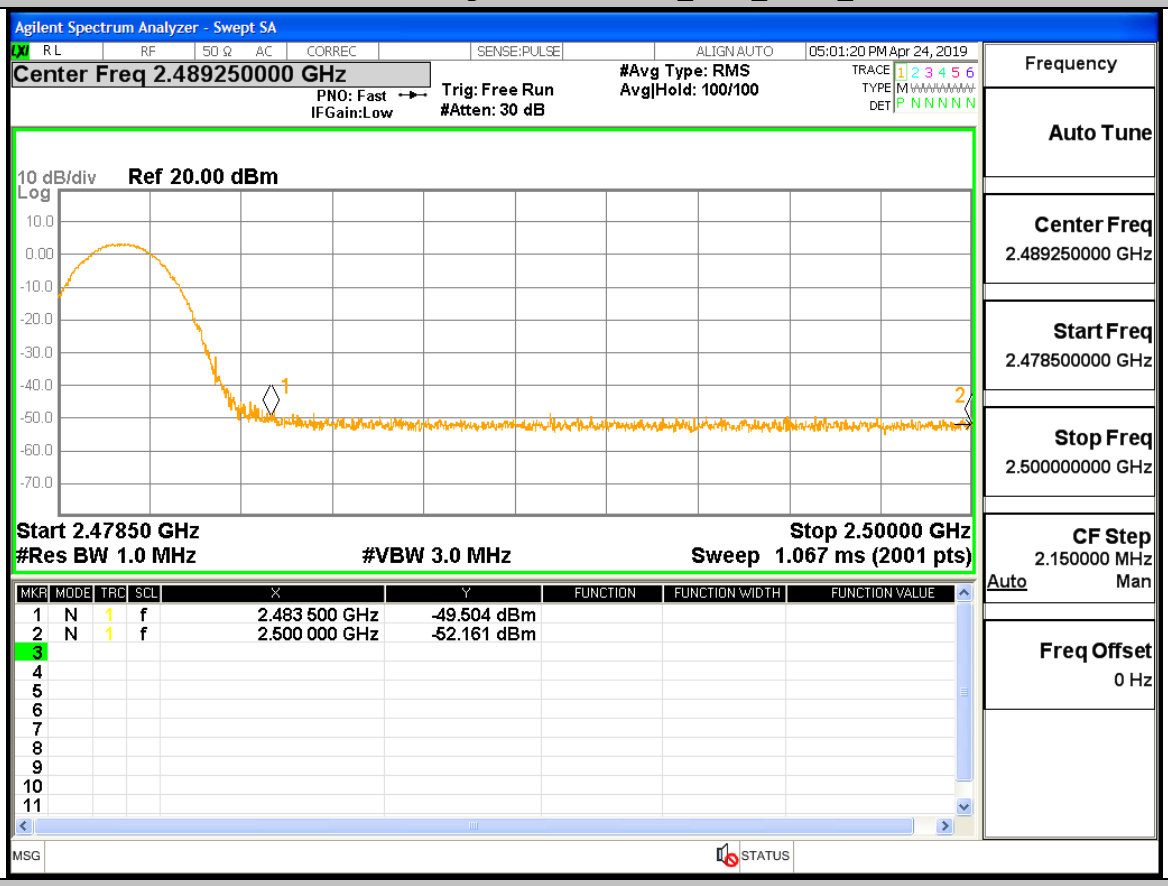
Restrict-band band-edge measurements_2402_PEAK_2DH5



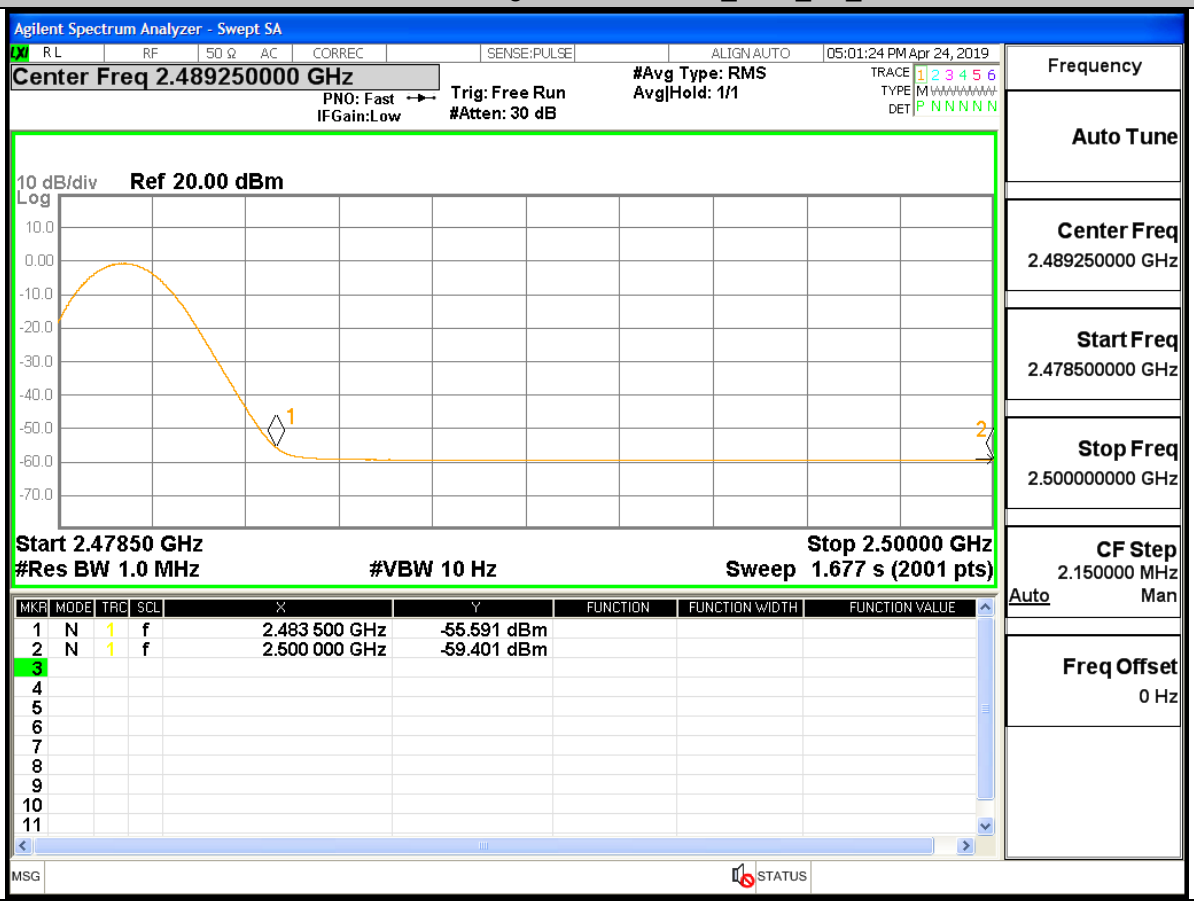
Restrict-band band-edge measurements_2402_AV_2DH5



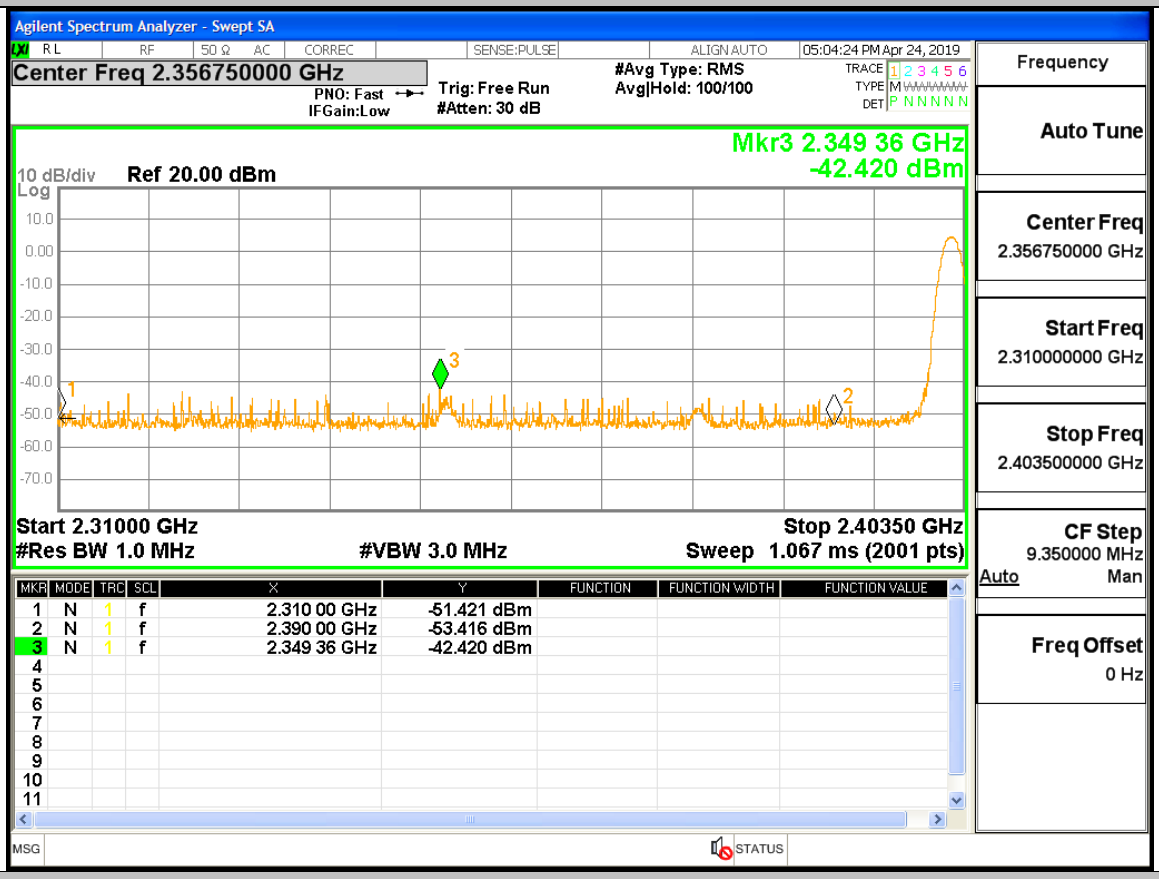
Restrict-band band-edge measurements_2480_PEAK_2DH5



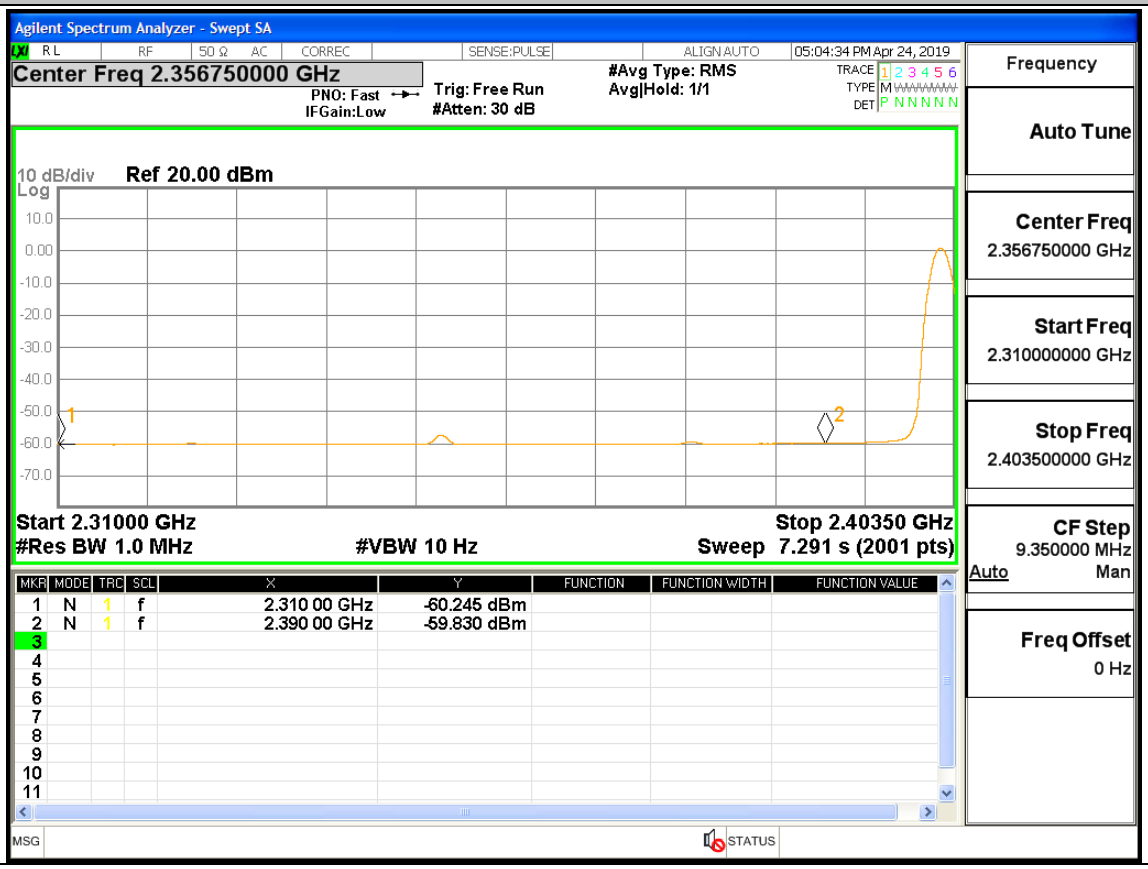
Restrict-band band-edge measurements_2480_AV_2DH5



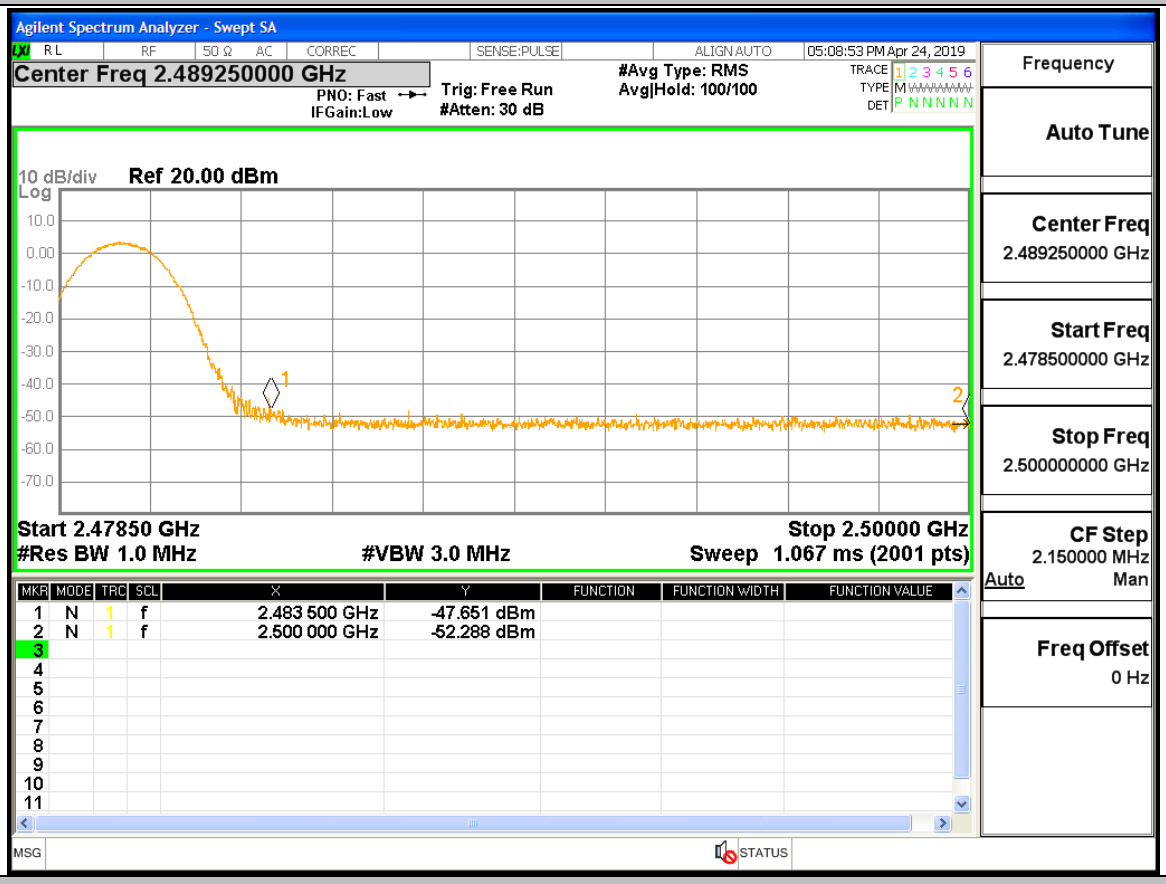
Restrict-band band-edge measurements_2402_PEAK_3DH5



Restrict-band band-edge measurements_2402_AV_3DH5



Restrict-band band-edge measurements_2480_PEAK_3DH5



Restrict-band band-edge measurements_2480_AV_3DH5