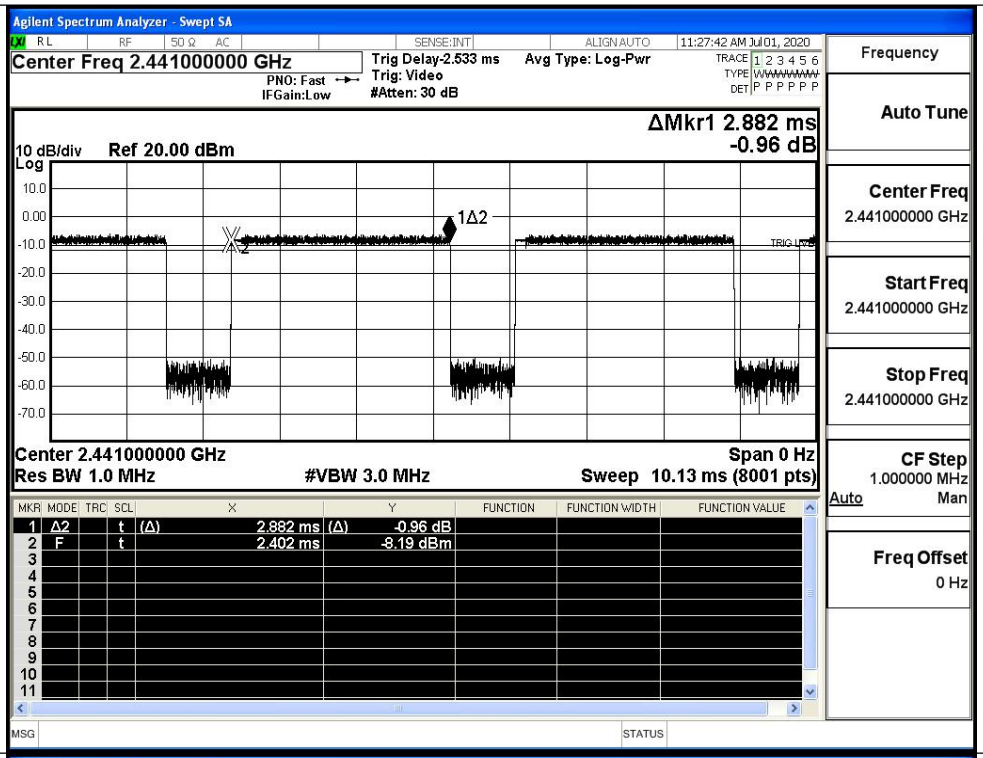
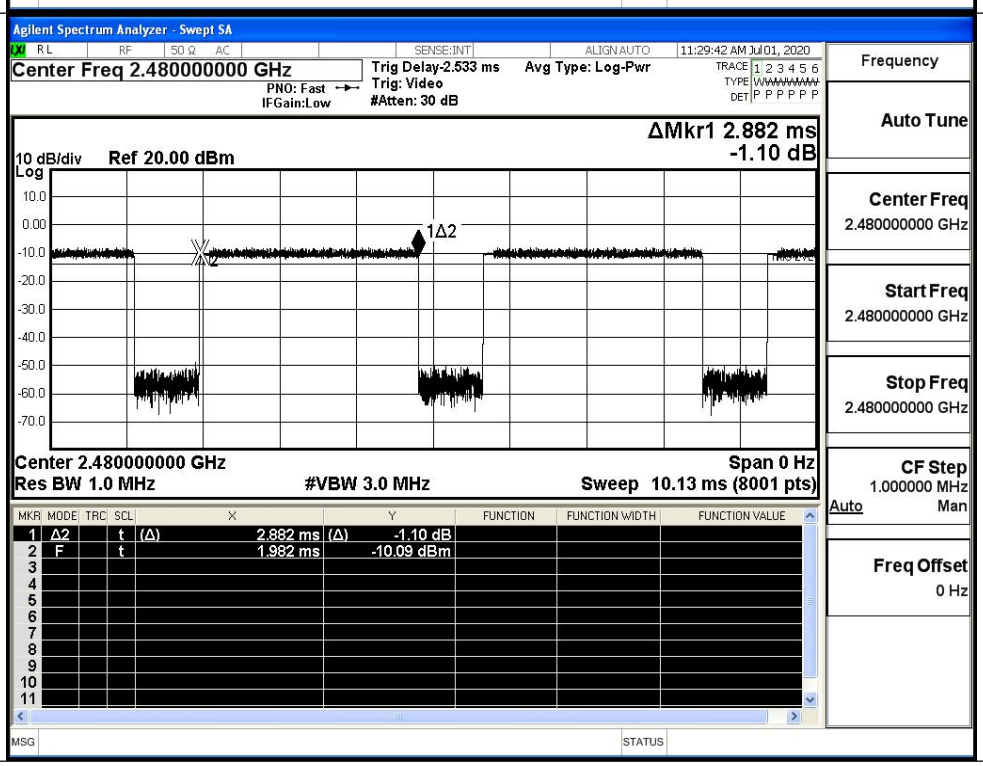
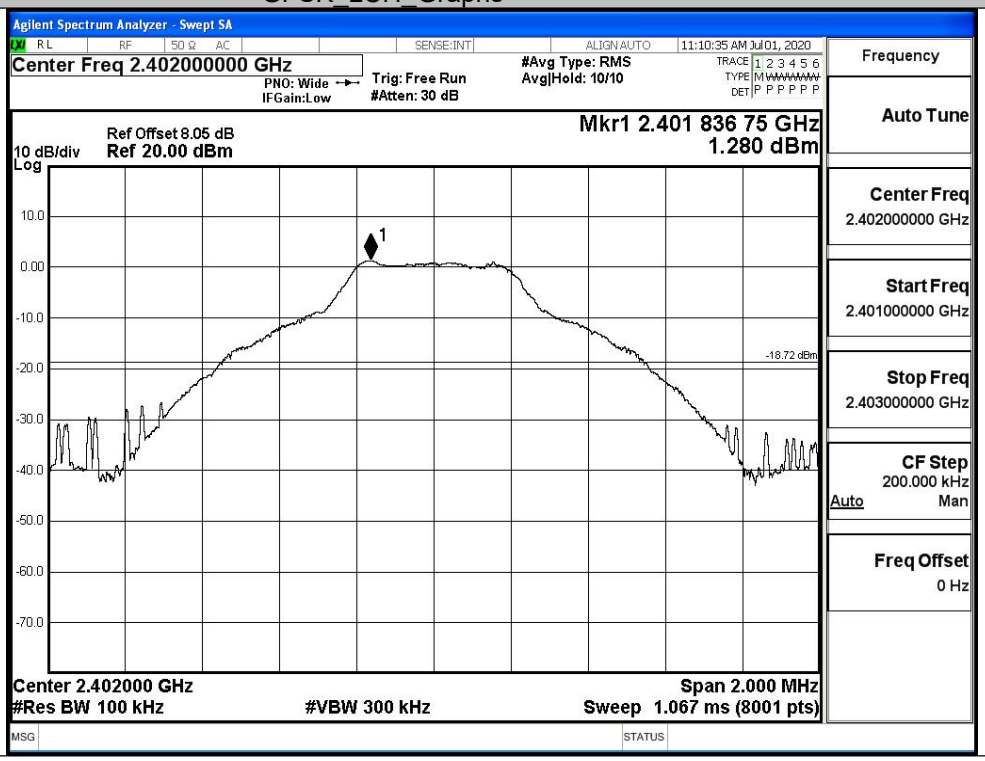
8DPSK _3DH5/MCH	
8DPSK _3DH5/HCH	

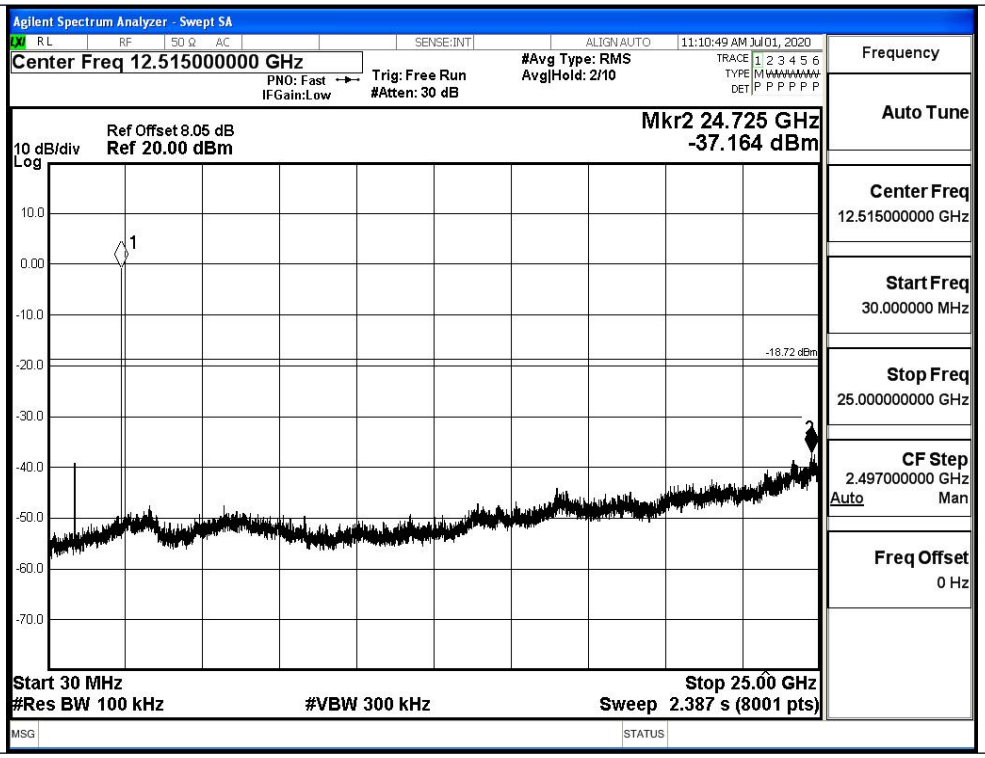
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.28	-37.164	-18.720	PASS
	MCH	0.016	-37.609	-19.984	PASS
	HCH	-2.172	-37.851	-22.172	PASS
π/4DQPSK	LCH	0.824	-37.119	-19.176	PASS
	MCH	-0.351	-37.670	-20.351	PASS
	HCH	-2.551	-38.680	-22.551	PASS
8DPSK	LCH	1.008	-36.937	-18.992	PASS
	MCH	-0.19	-38.691	-20.190	PASS
	HCH	-2.163	-38.335	-22.163	PASS

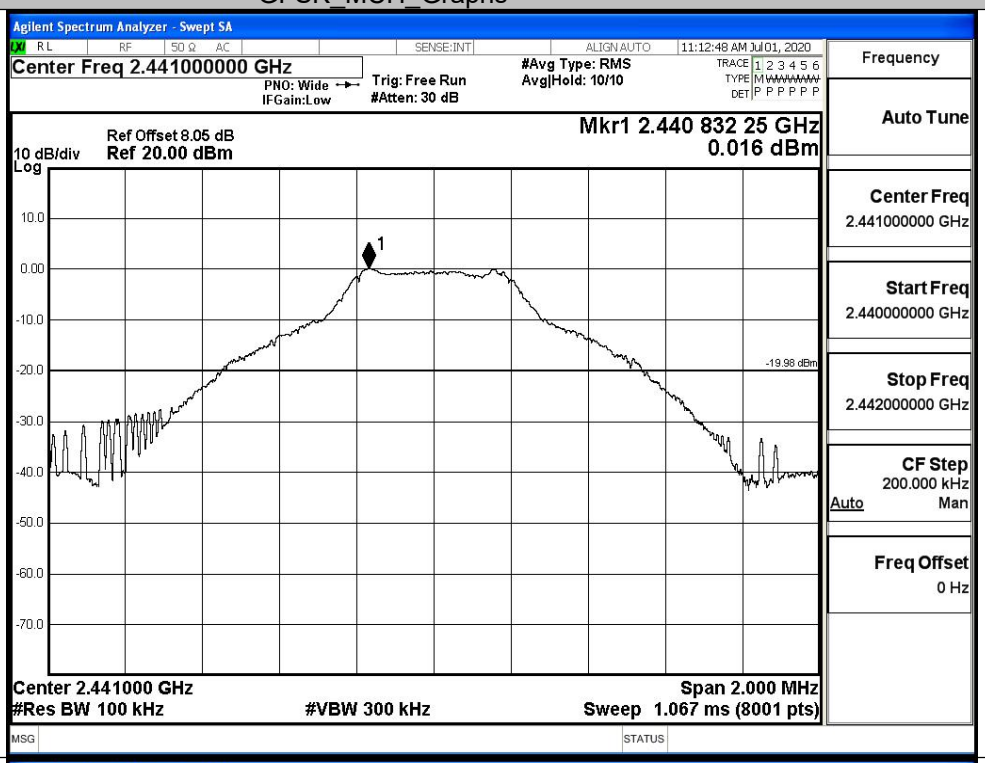
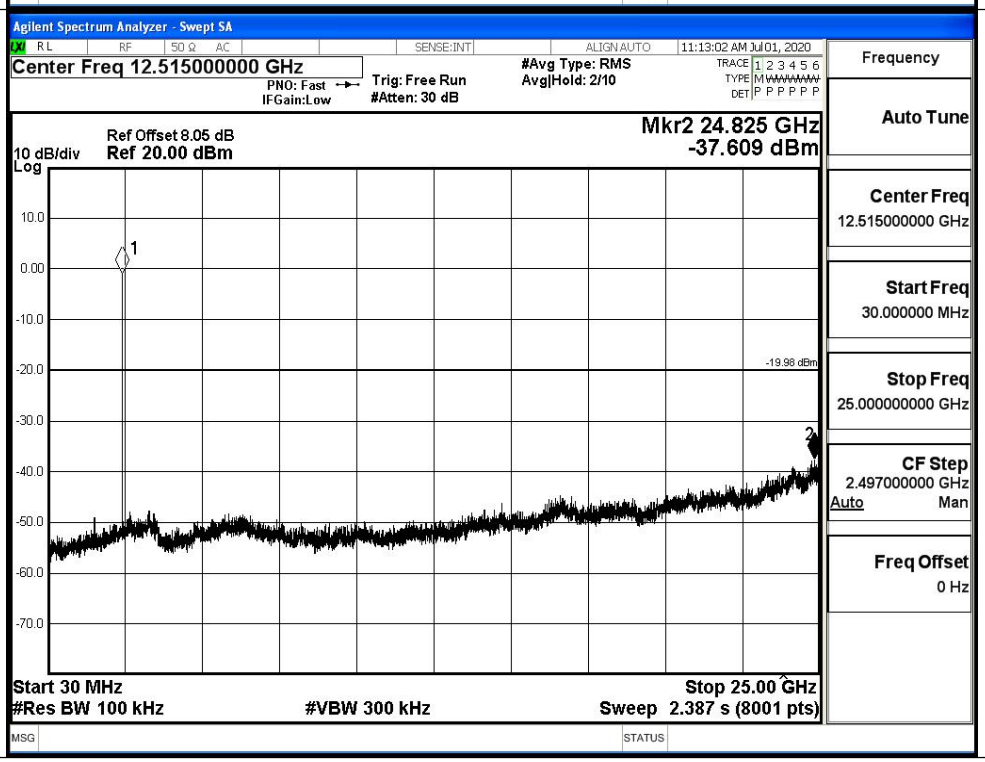
GFSK_LCH_Graphs

Pref



Puw		

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 2/10
11:10:49 AM Jul 01, 2020
Ref Offset 8.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr2 24.725 GHz
-37.164 dBm
-18.72 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.387 s (8001 pts)
Frequency
Auto Tune
Center Freq
12.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
25.000000000 GHz
CF Step
2.497000000 GHz
Auto
Man
Freq Offset
0 Hz

GFSK_MCH_Graphs			
Pref			
Puw			

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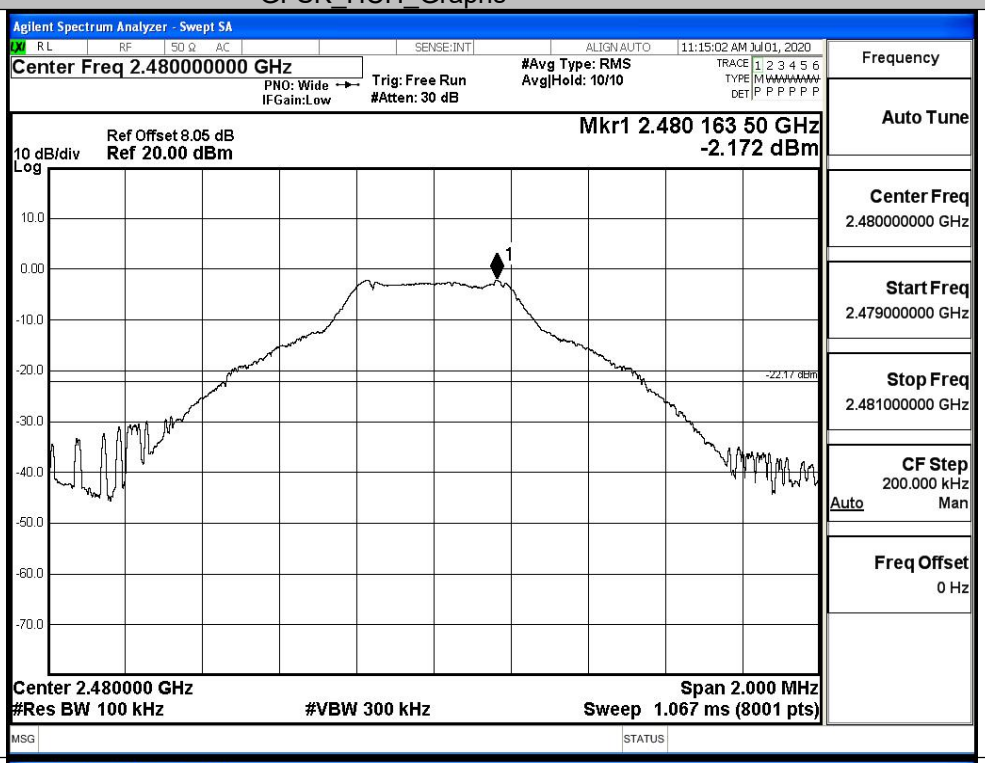
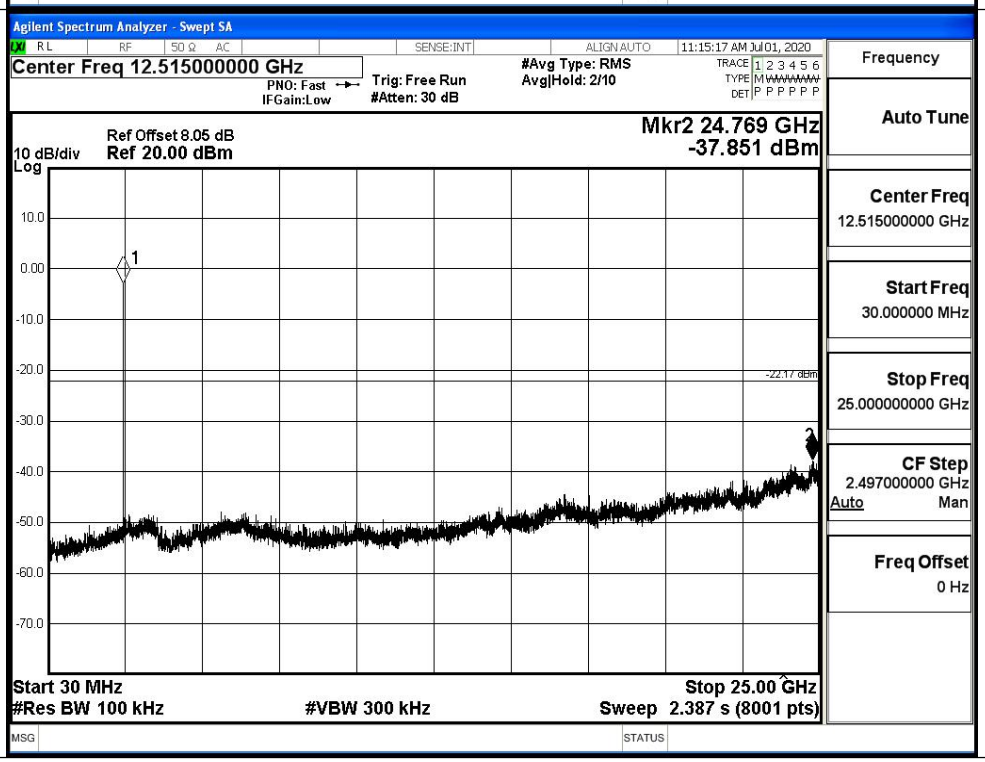
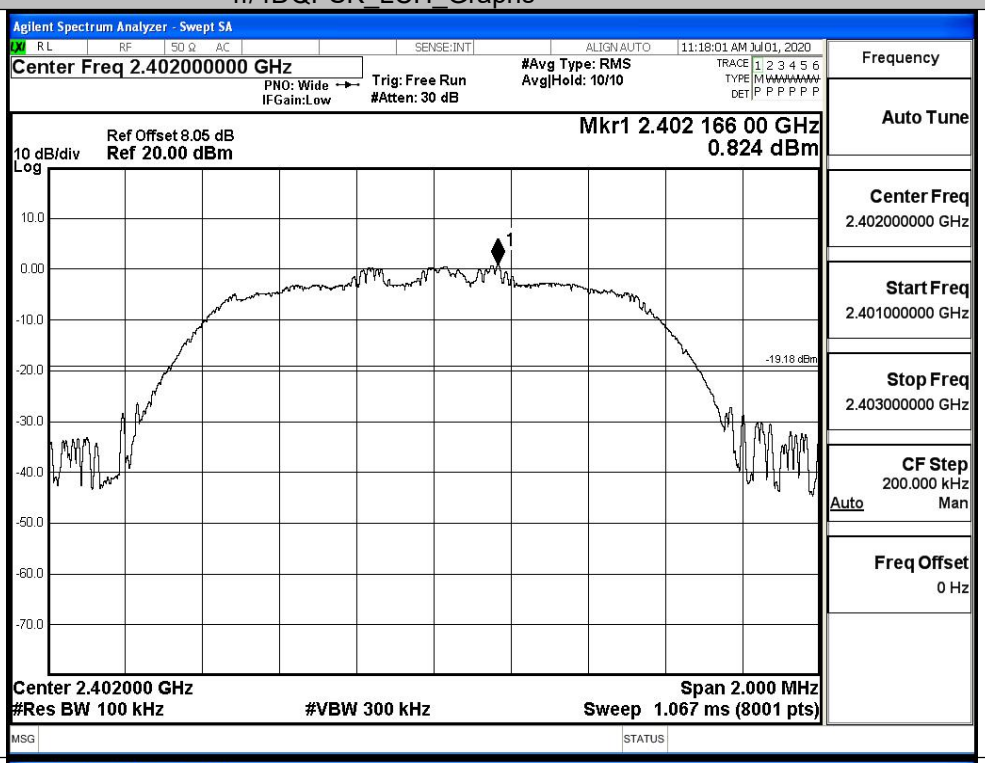
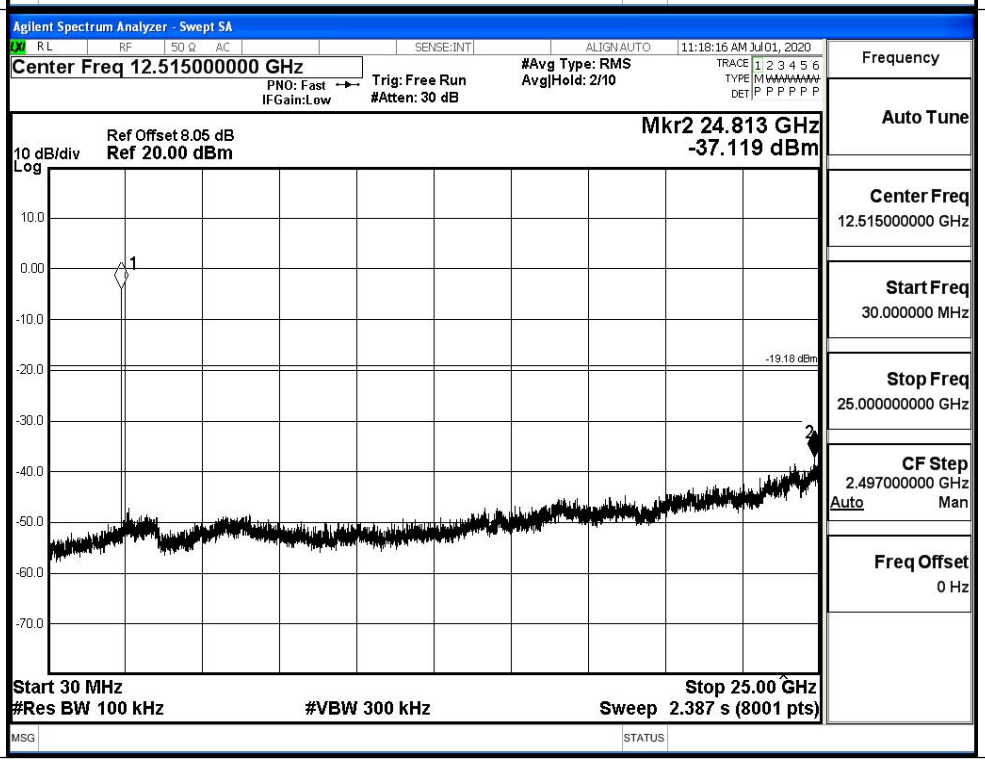
Pref			
Puw			

π/4DQPSK_LCH_Graphs		
Pref		
Puw		

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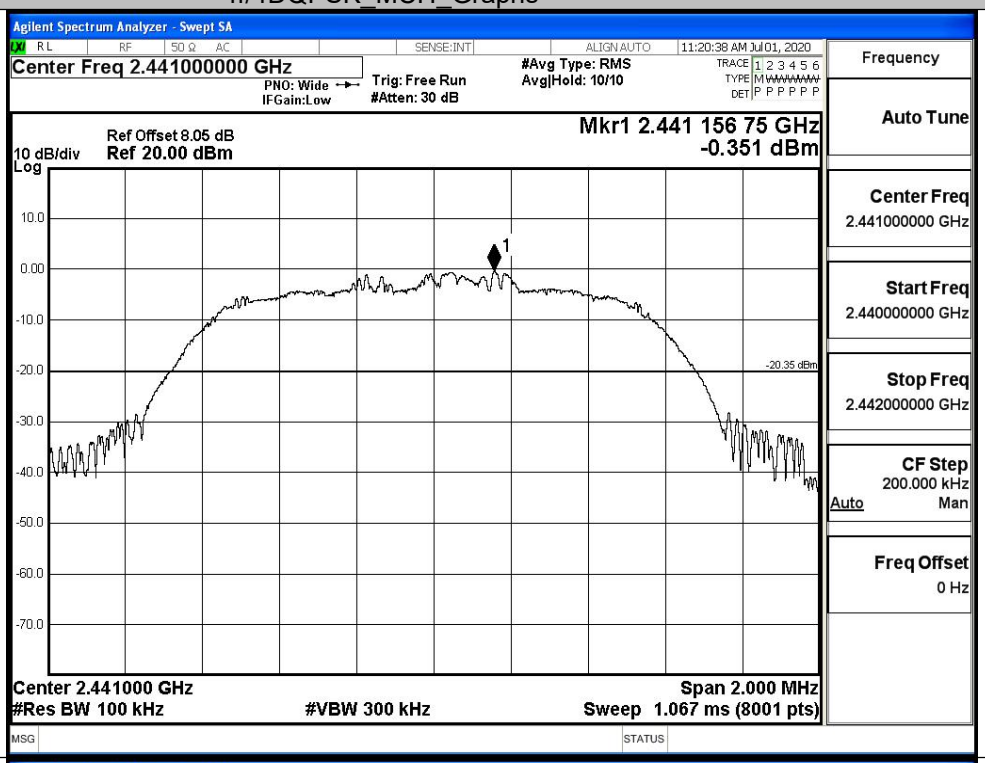
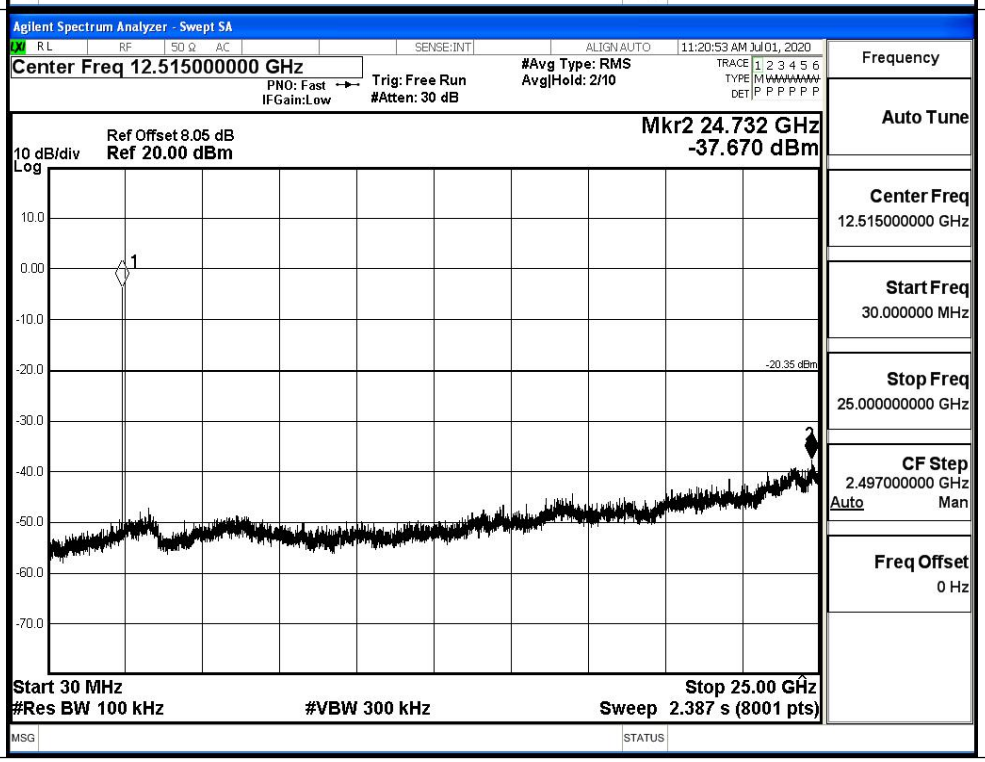
Pref			
Puw			

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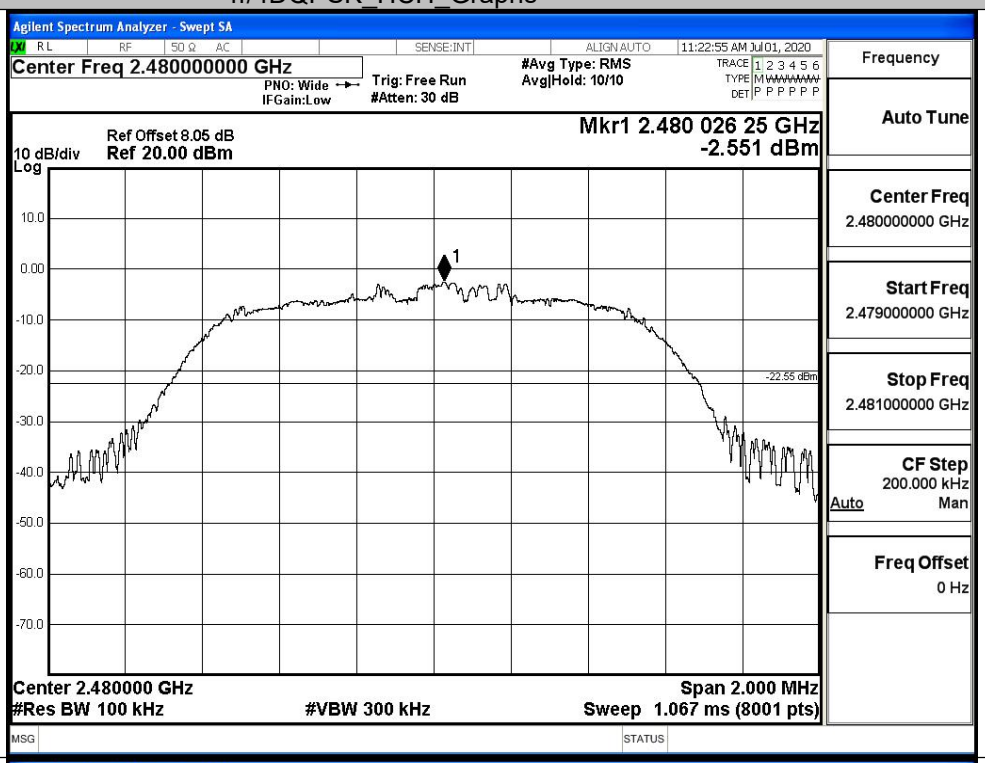
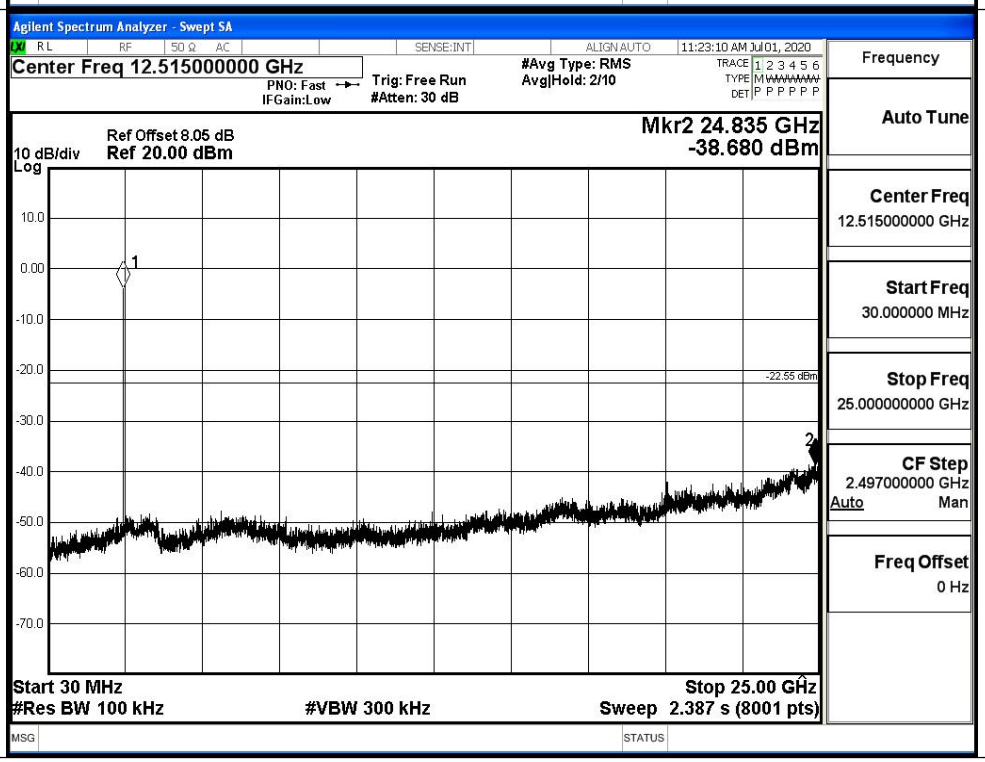
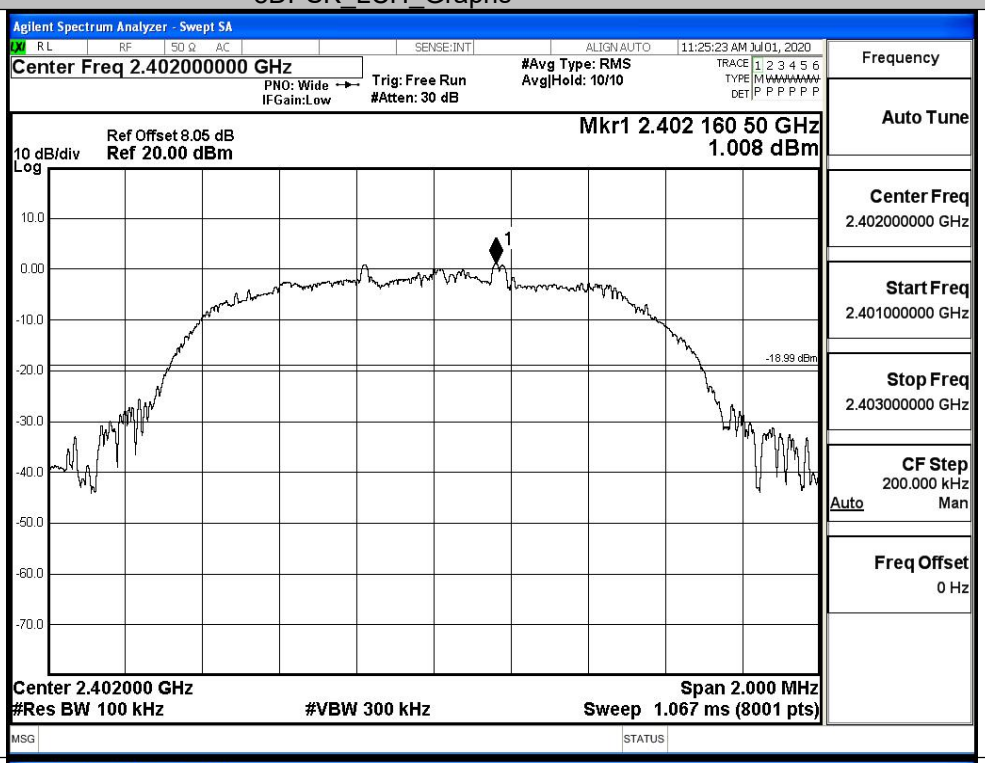
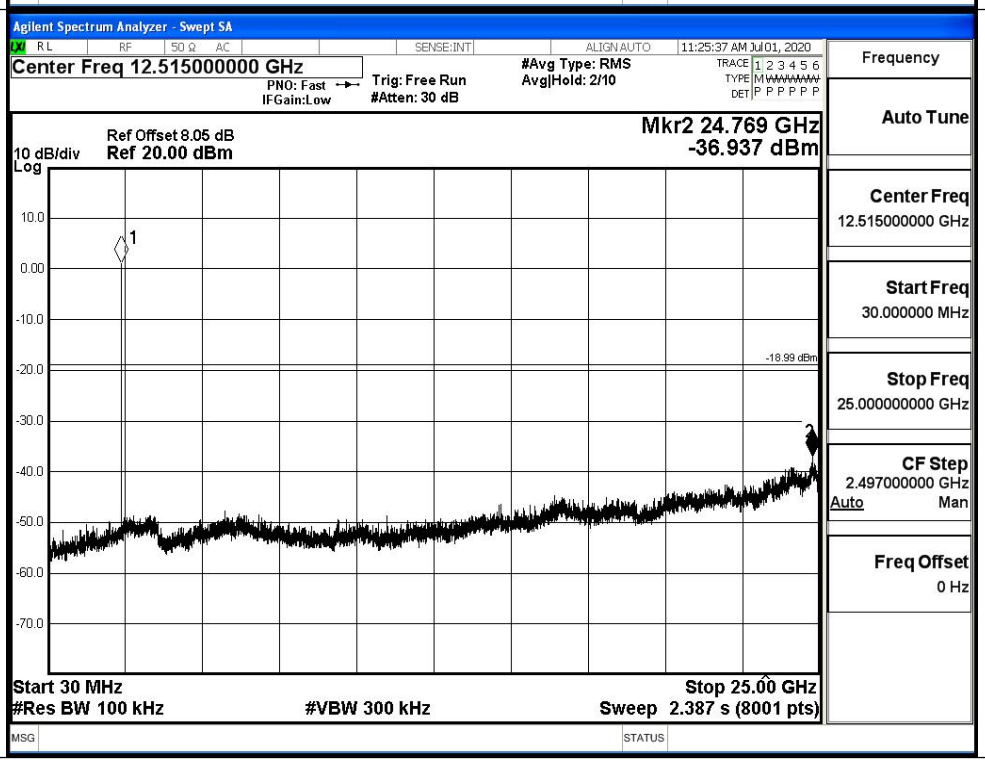
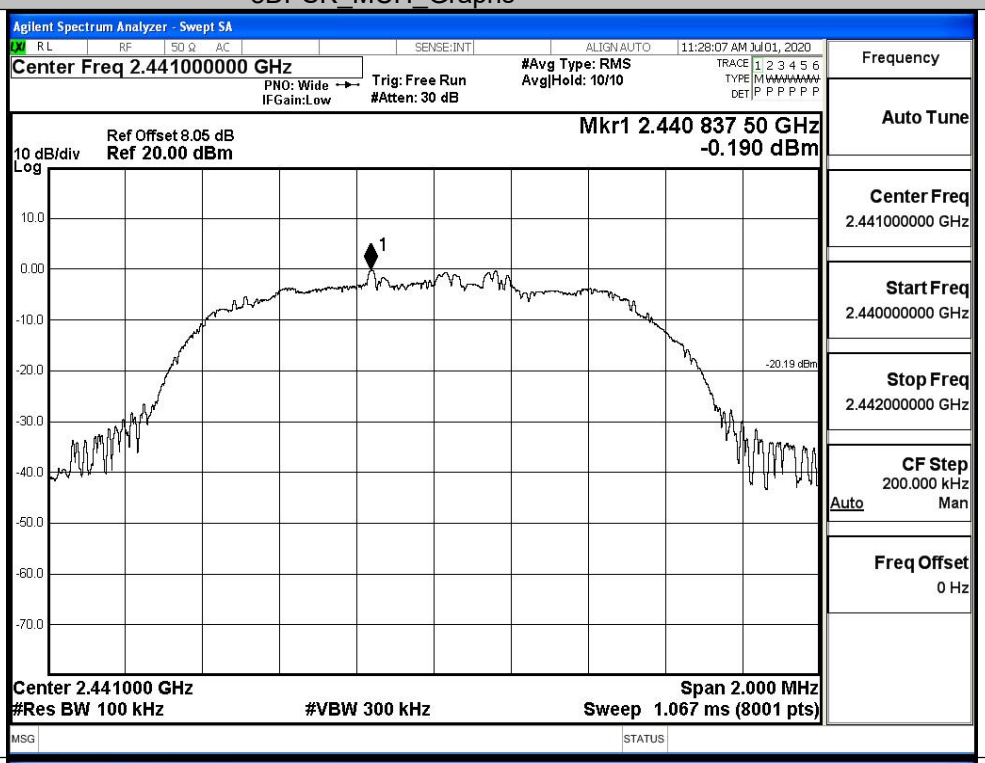
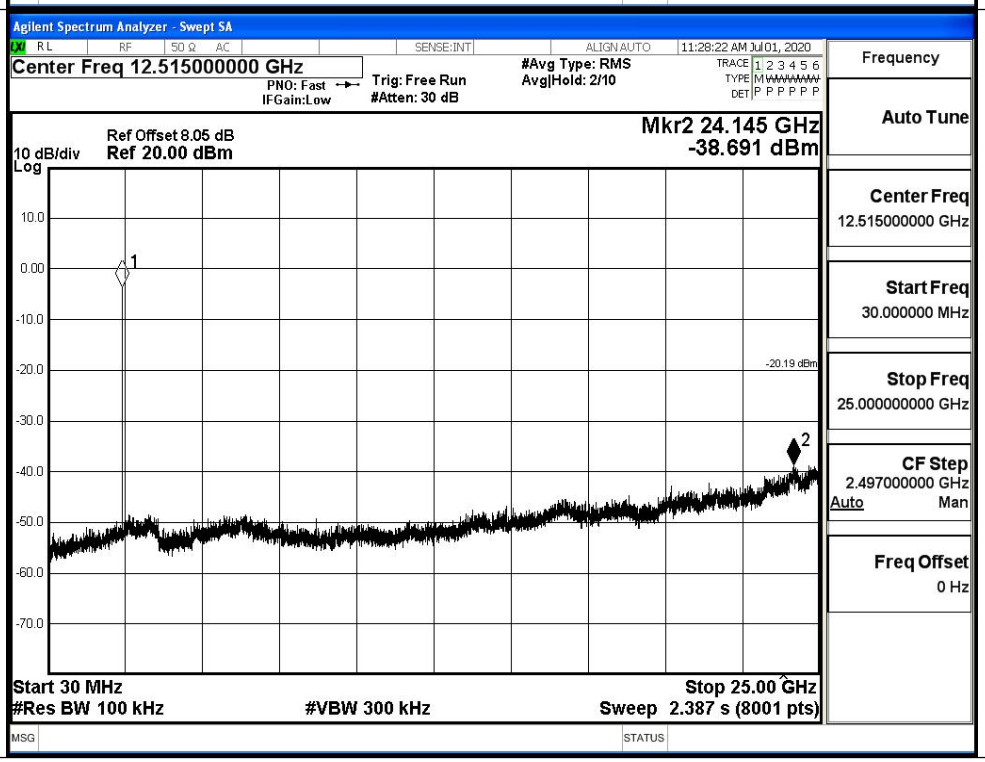
Pref			
Puw			

8DPSK_LCH_Graphs			
Pref			
Puw			

8DPSK_MCH_Graphs			
Pref			
Puw			

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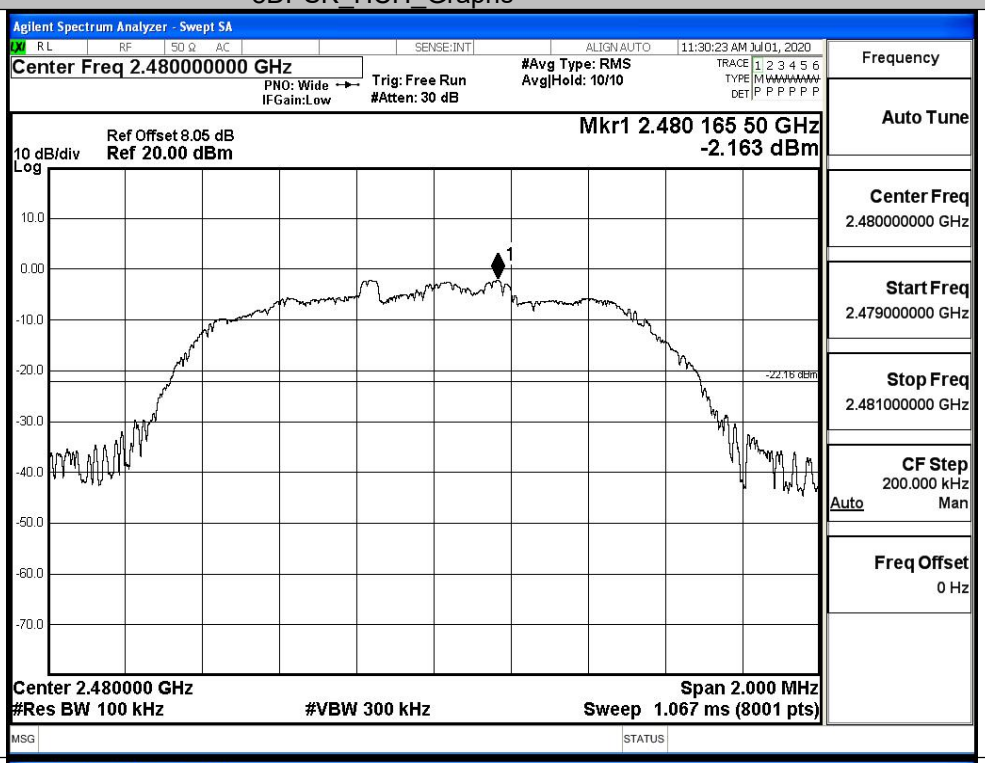
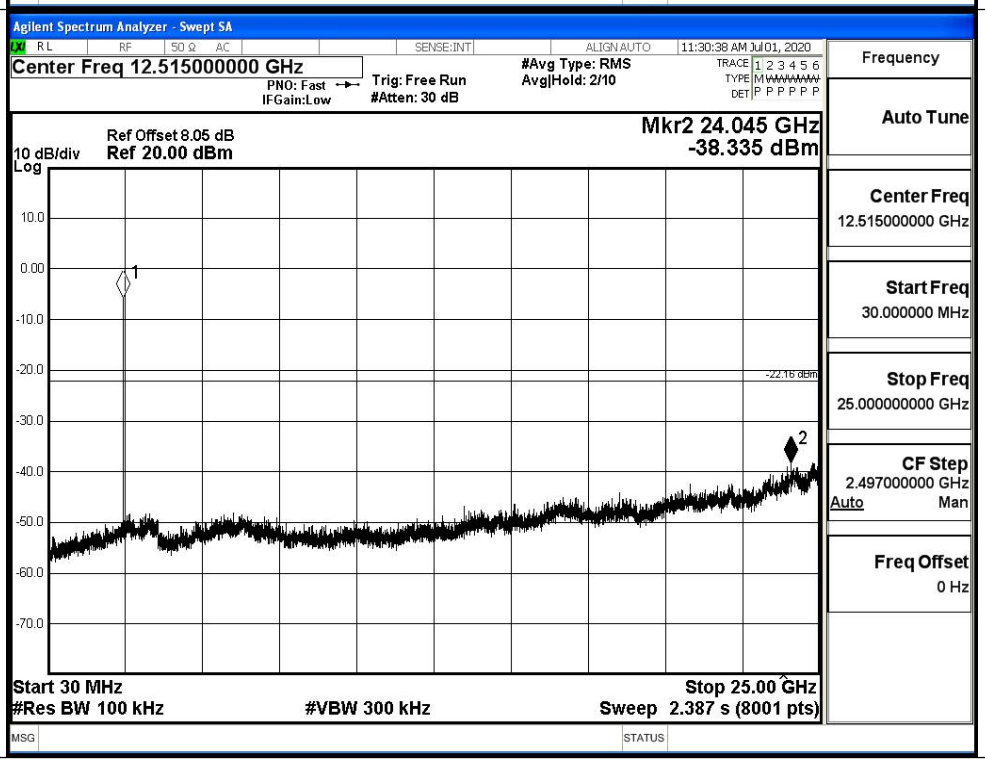
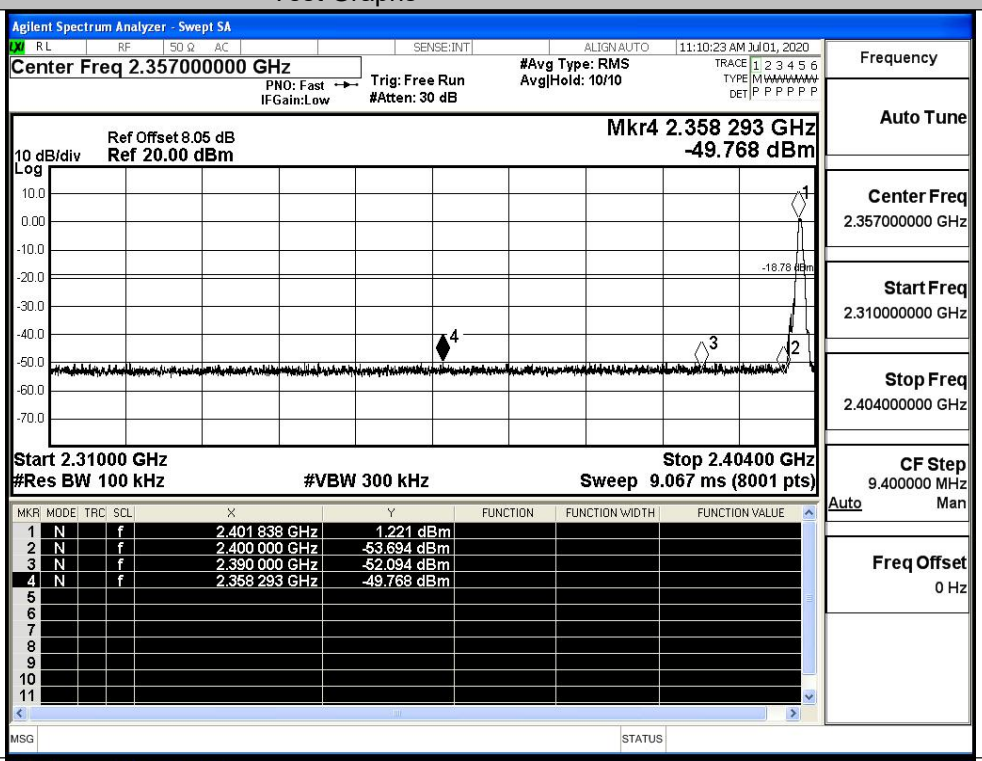
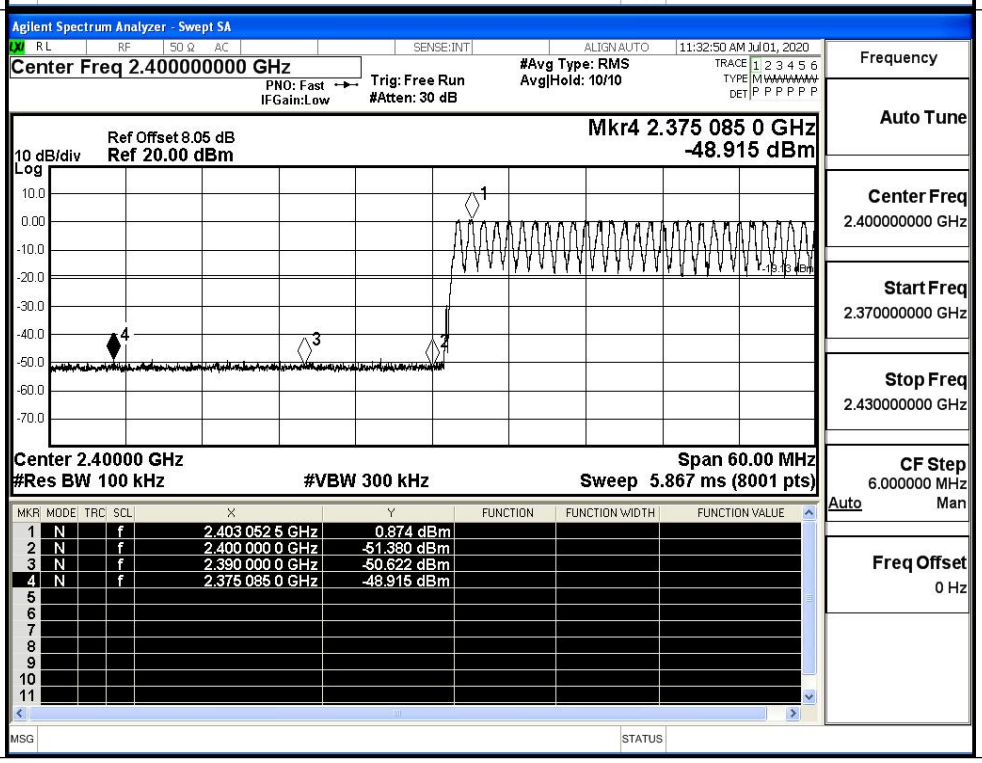
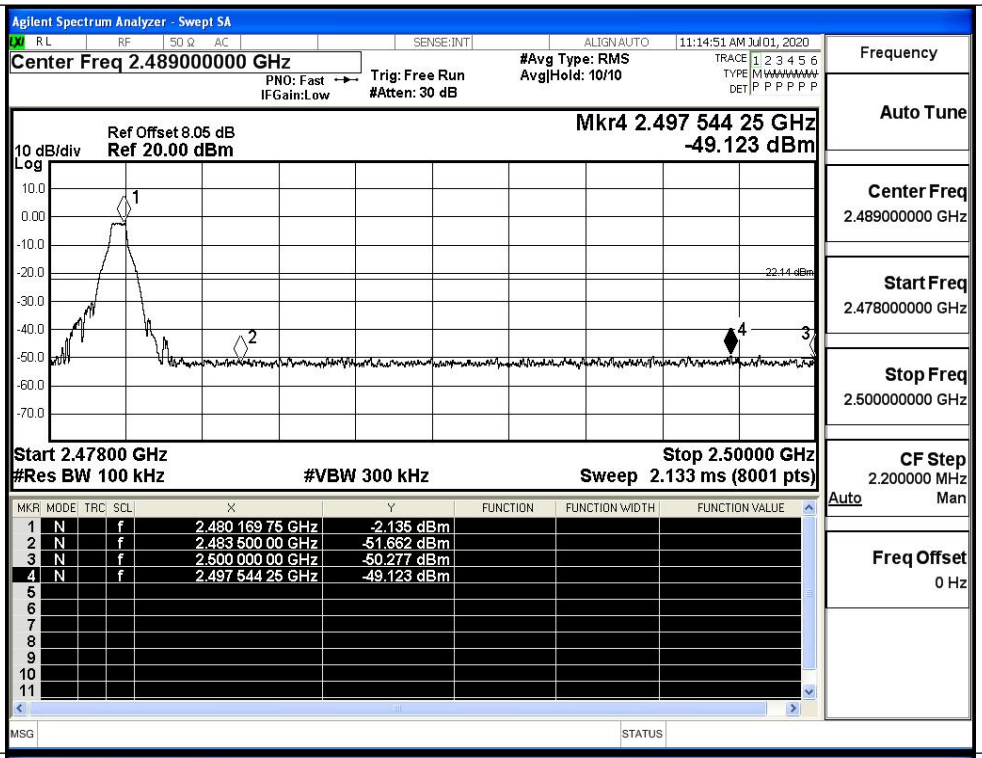
Pref			
Puw			

A.7 Band-edge for RF Conducted Emissions

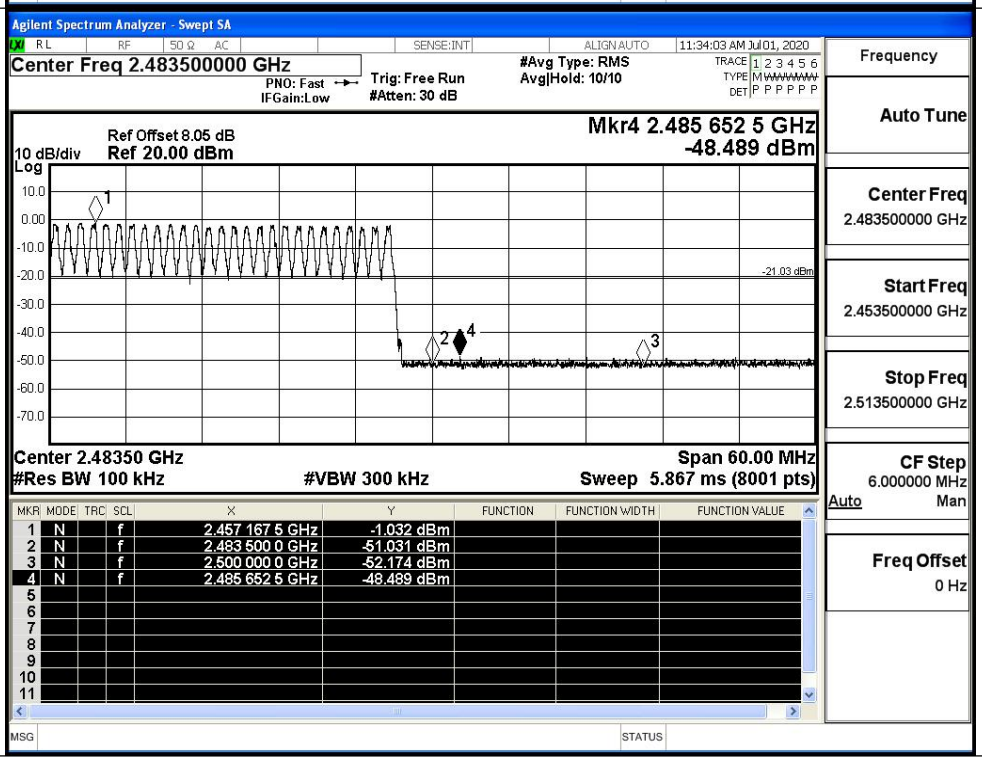
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	1.221	Off	-49.768	-18.78	PASS
			0.874	On	-48.915	-19.13	PASS
	HCH	2480	-2.135	Off	-49.123	-22.14	PASS
			-1.032	On	-48.489	-21.03	PASS
π/4DQPSK	LCH	2402	0.275	Off	-49.197	-19.73	PASS
			0.613	On	-48.707	-19.39	PASS
	HCH	2480	-2.117	Off	-49.039	-22.12	PASS
			-1.292	On	-48.453	-21.29	PASS
8DPSK	LCH	2402	1.064	Off	-49.566	-18.94	PASS
			0.808	On	-48.976	-19.19	PASS
	HCH	2480	-2.100	Off	-49.242	-22.1	PASS
			-1.092	On	-48.185	-21.09	PASS

Test Graphs	
GFSK/LCH/No Hop	
GFSK/LCH/Hop	

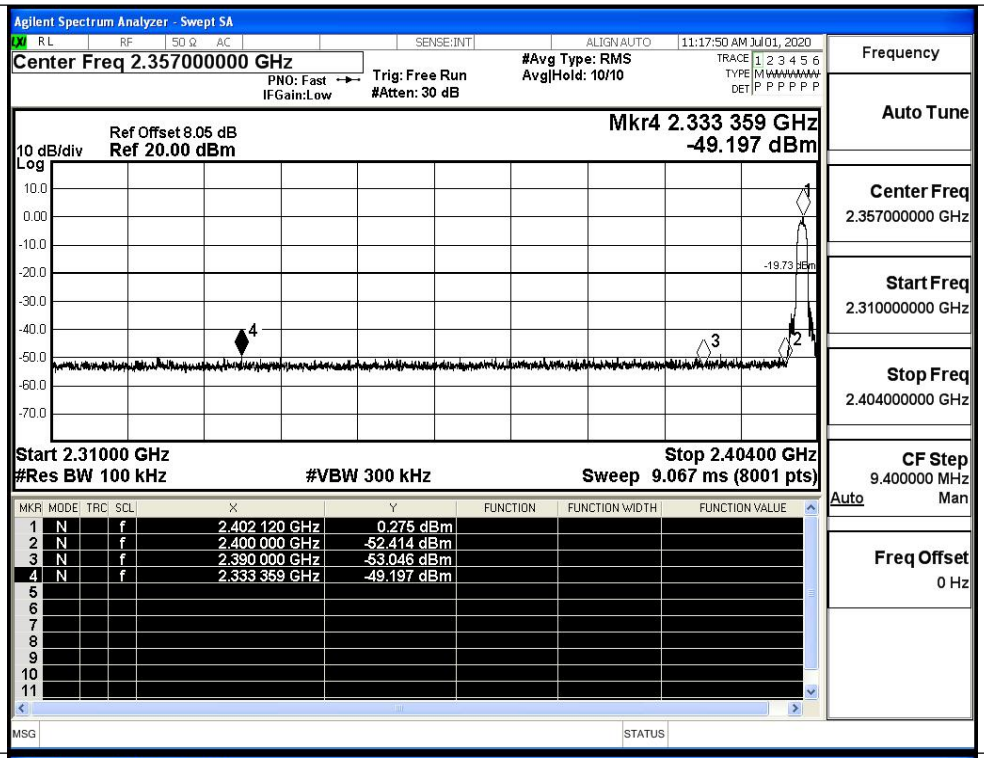
GFSK/HCH/No Hop



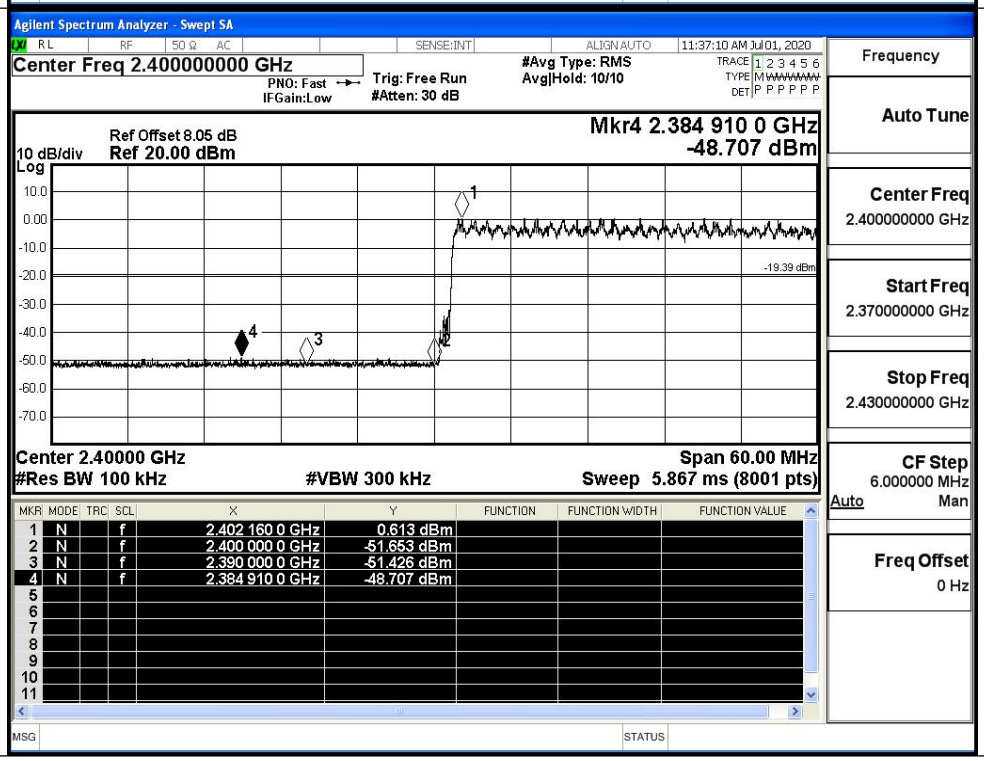
GFSK/HCH/Hop



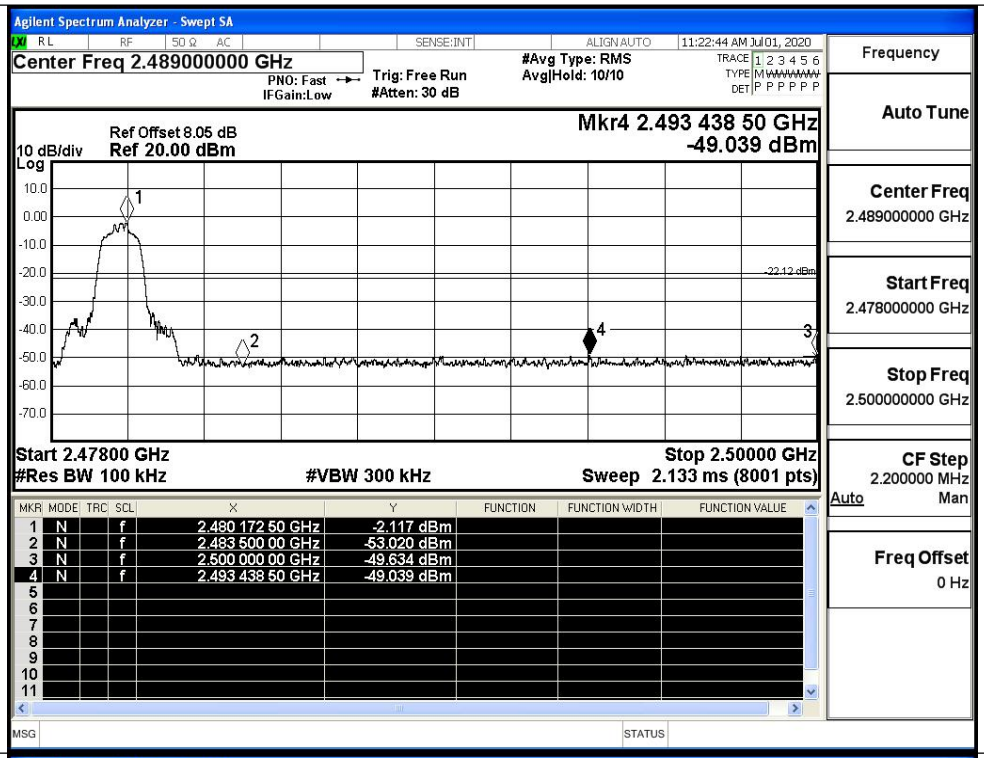
π/4DQPSK/LCH/No Hop



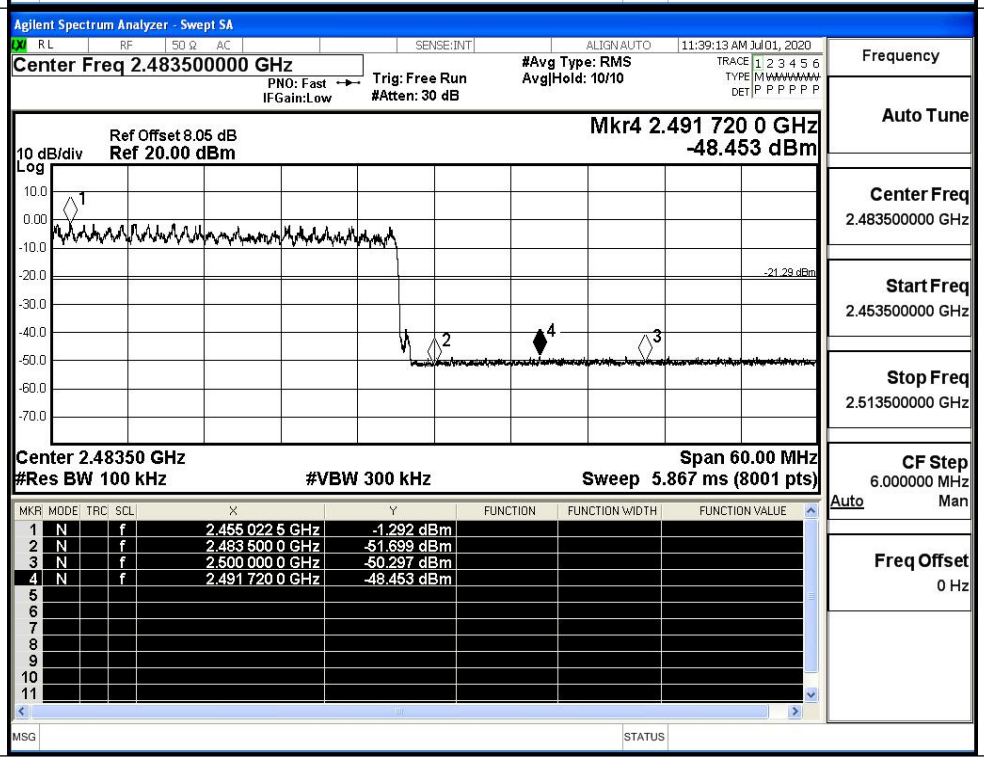
π/4DQPSK/LCH/Hop

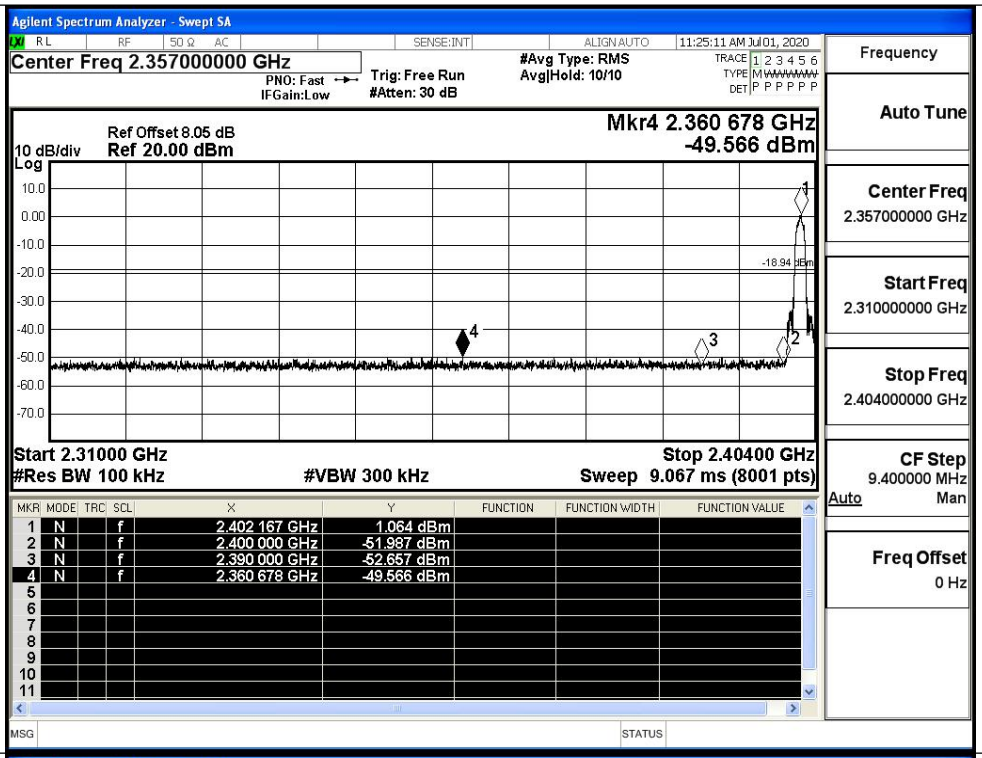
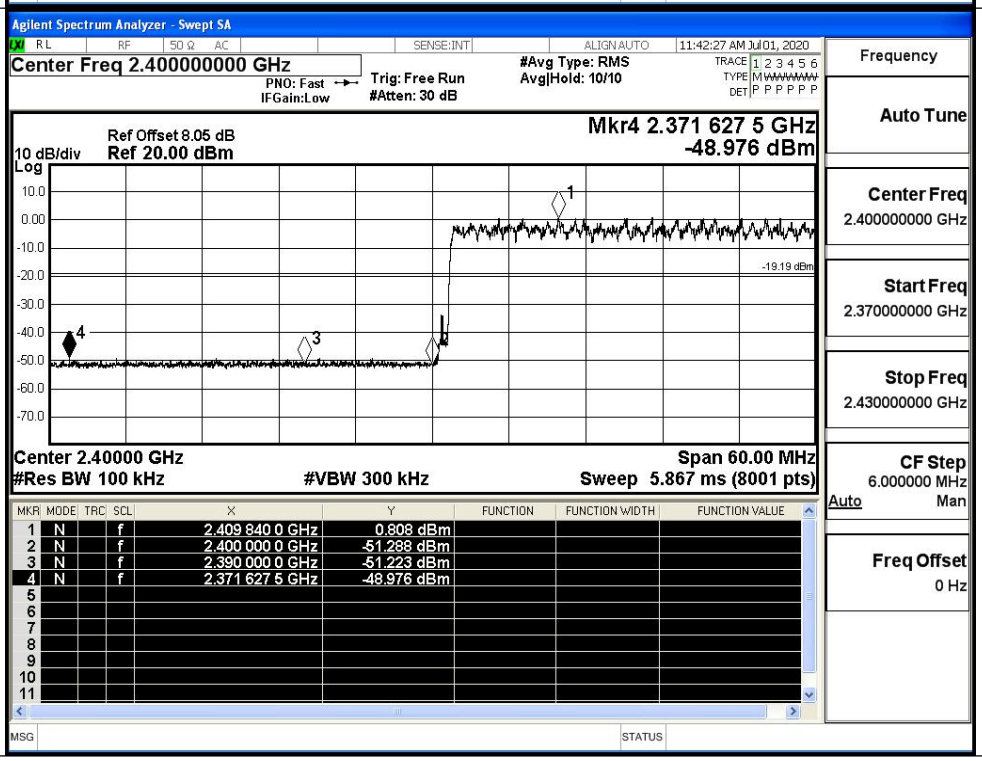


π/4DQPSK/HCH/No Hop

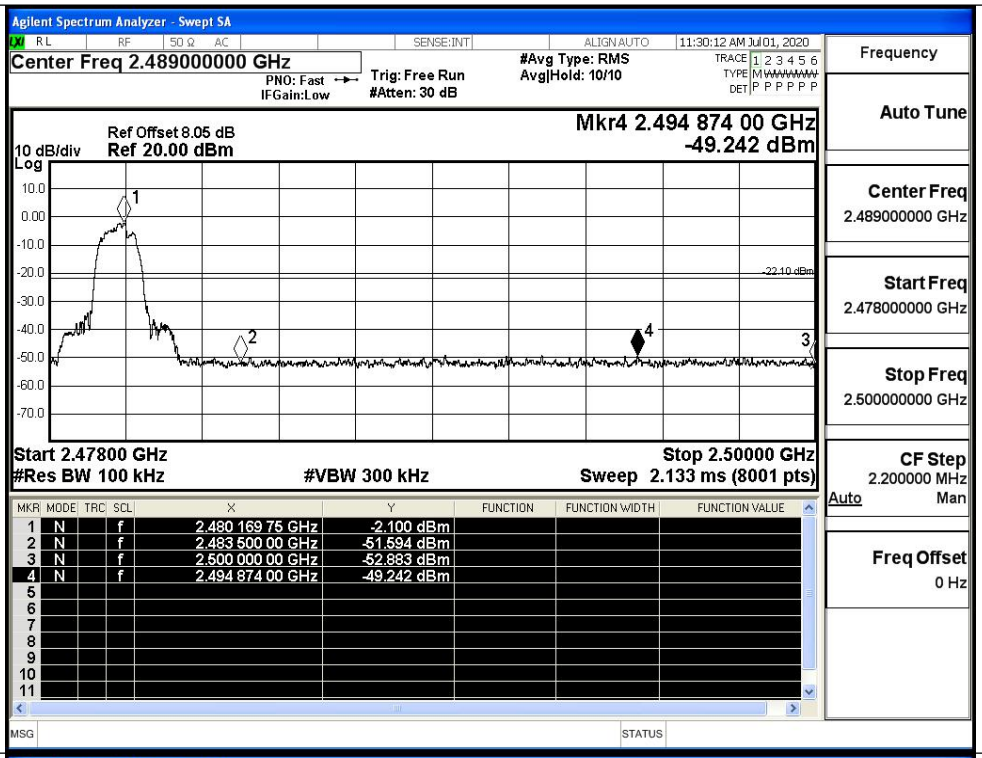


π/4DQPSK/HCH/Hop

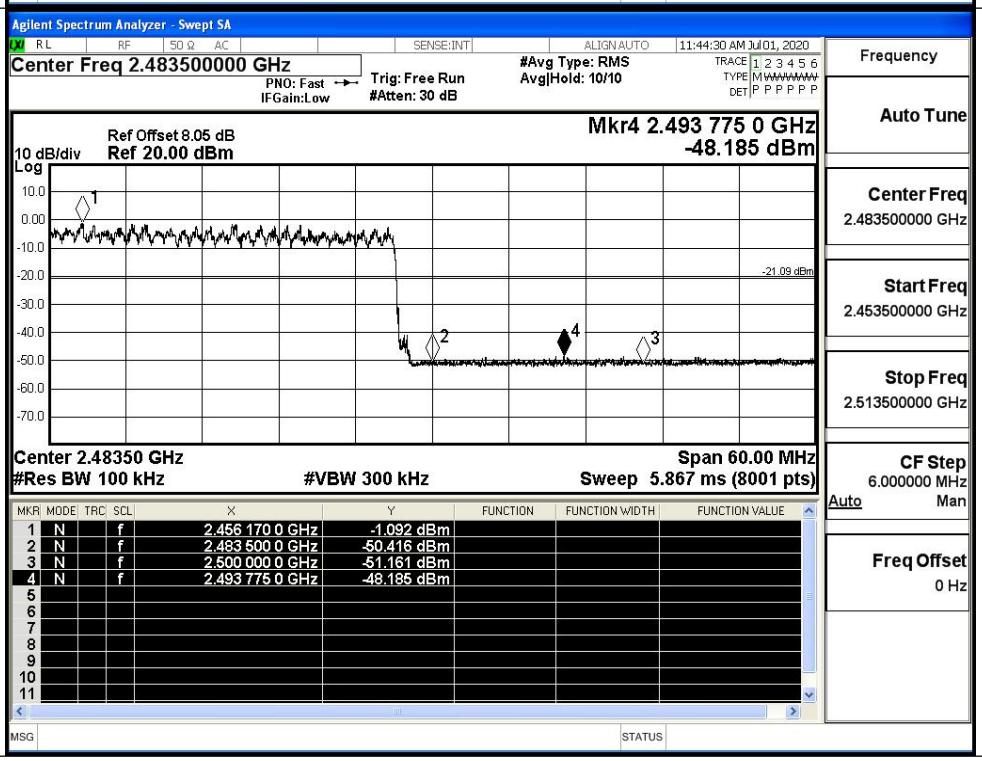


8DPSK/LCH/No Hop	
8DPSK/LCH/Hop	

8DPSK/HCH/No Hop



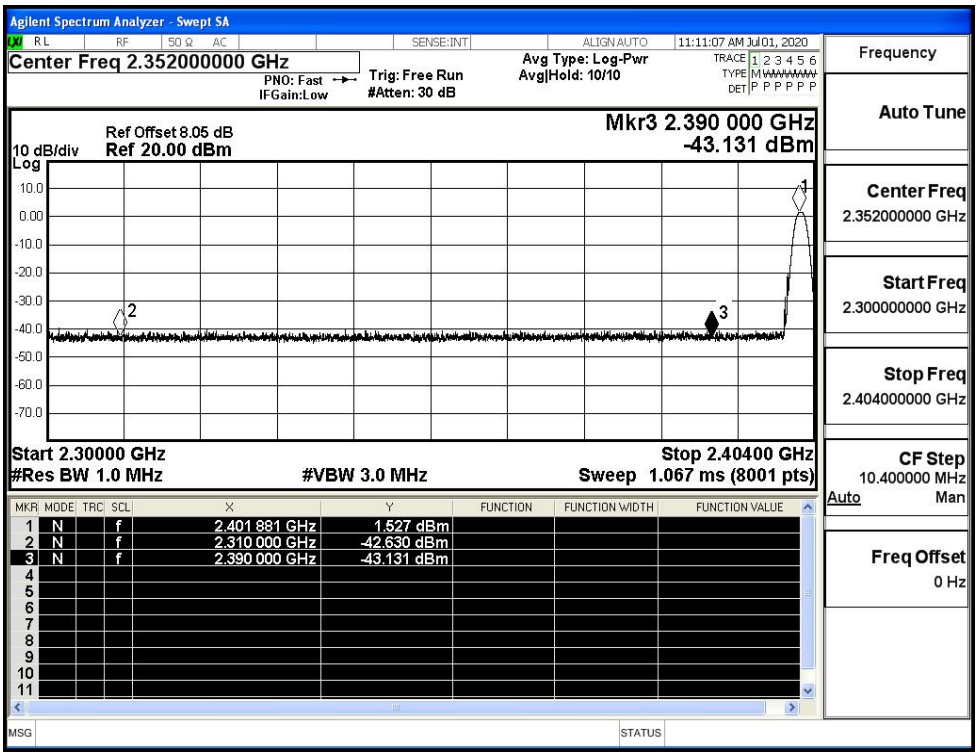
8DPSK/HCH/Hop



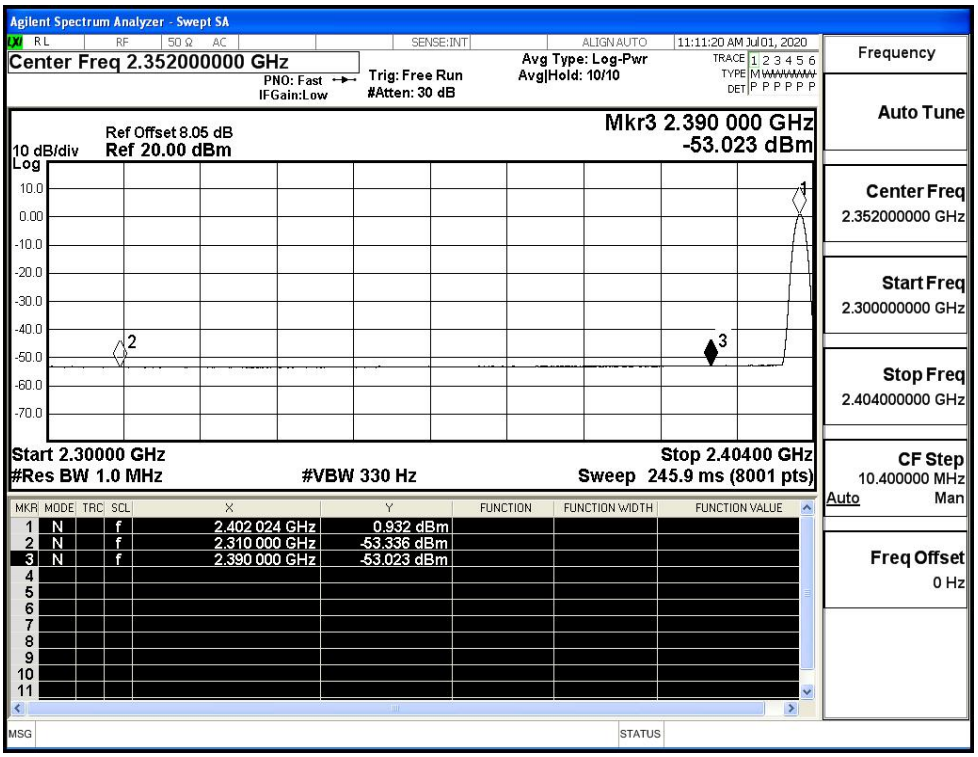
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-42.63	2.0	0	52.63	PEAK	74	PASS
	Off	2310.0	-53.34	2.0	0	41.92	AV	54	PASS
	Off	2390.0	-43.13	2.0	0	52.13	PEAK	74	PASS
	Off	2390.0	-53.02	2.0	0	42.23	AV	54	PASS
	Off	2483.5	-41.87	2.0	0	53.39	PEAK	74	PASS
	Off	2483.5	-52.50	2.0	0	42.76	AV	54	PASS
	Off	2500.0	-42.18	2.0	0	53.08	PEAK	74	PASS
	Off	2500.0	-52.23	2.0	0	43.03	AV	54	PASS
π/4DQPSK	Off	2310.0	-44.15	2.0	0	51.11	PEAK	74	PASS
	Off	2310.0	-53.26	2.0	0	42.00	AV	54	PASS
	Off	2390.0	-42.20	2.0	0	53.06	PEAK	74	PASS
	Off	2390.0	-52.96	2.0	0	42.30	AV	54	PASS
	Off	2483.5	-41.89	2.0	0	53.37	PEAK	74	PASS
	Off	2483.5	-52.41	2.0	0	42.85	AV	54	PASS
	Off	2500.0	-42.81	2.0	0	52.45	PEAK	74	PASS
	Off	2500.0	-52.33	2.0	0	42.93	AV	54	PASS
8DPSK	Off	2310.0	-42.63	2.0	0	52.63	PEAK	74	PASS
	Off	2310.0	-53.40	2.0	0	41.86	AV	54	PASS
	Off	2390.0	-43.00	2.0	0	52.26	PEAK	74	PASS
	Off	2390.0	-52.90	2.0	0	42.36	AV	54	PASS
	Off	2483.5	-41.84	2.0	0	53.42	PEAK	74	PASS
	Off	2483.5	-52.57	2.0	0	42.69	AV	54	PASS
	Off	2500.0	-42.41	2.0	0	52.84	PEAK	74	PASS
	Off	2500.0	-52.28	2.0	0	42.98	AV	54	PASS

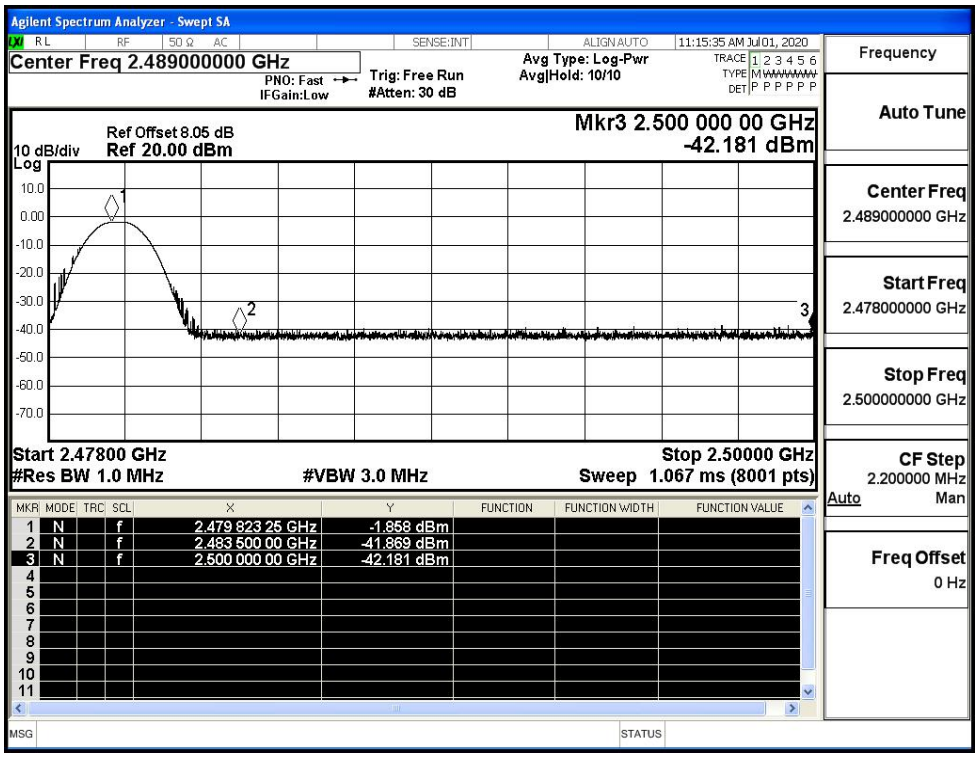
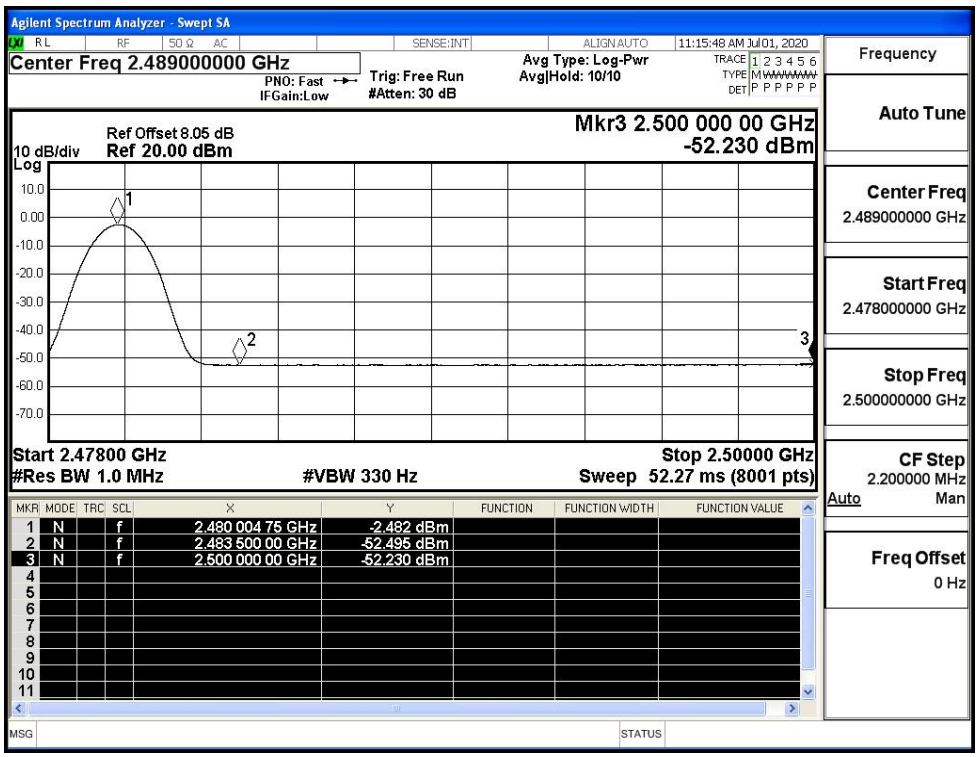
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)