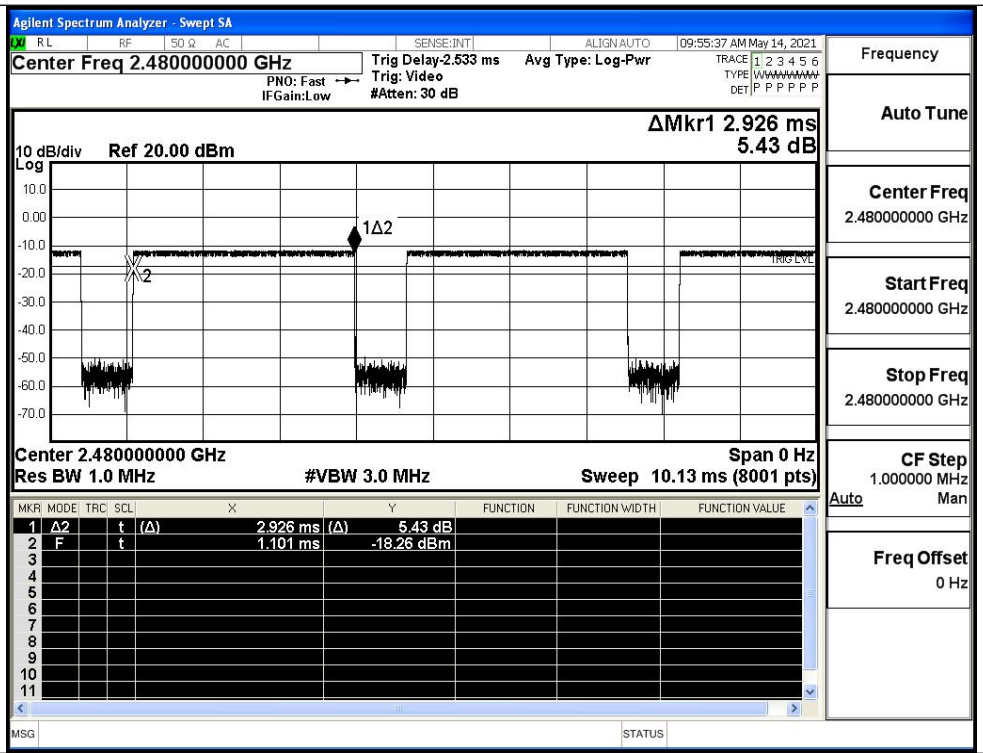
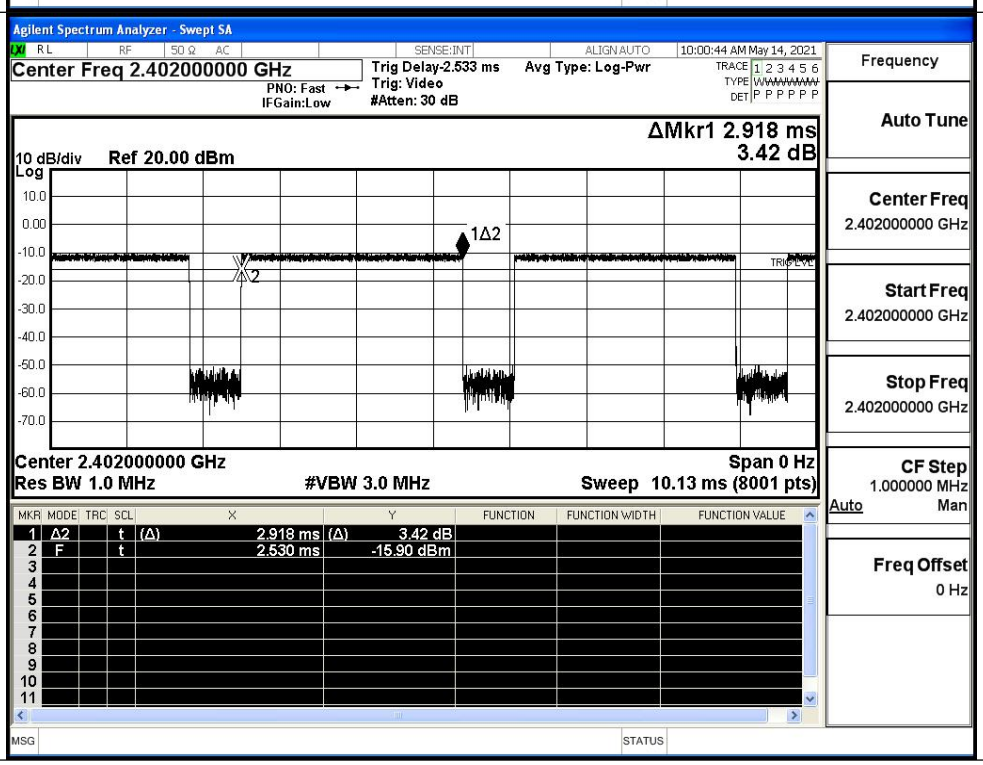
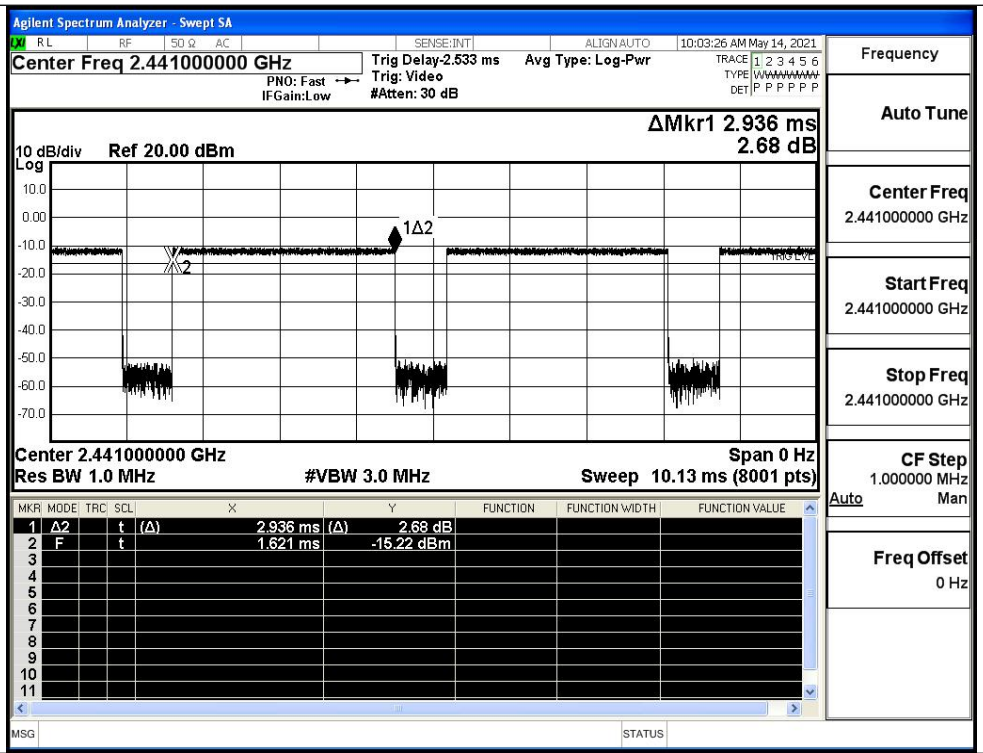
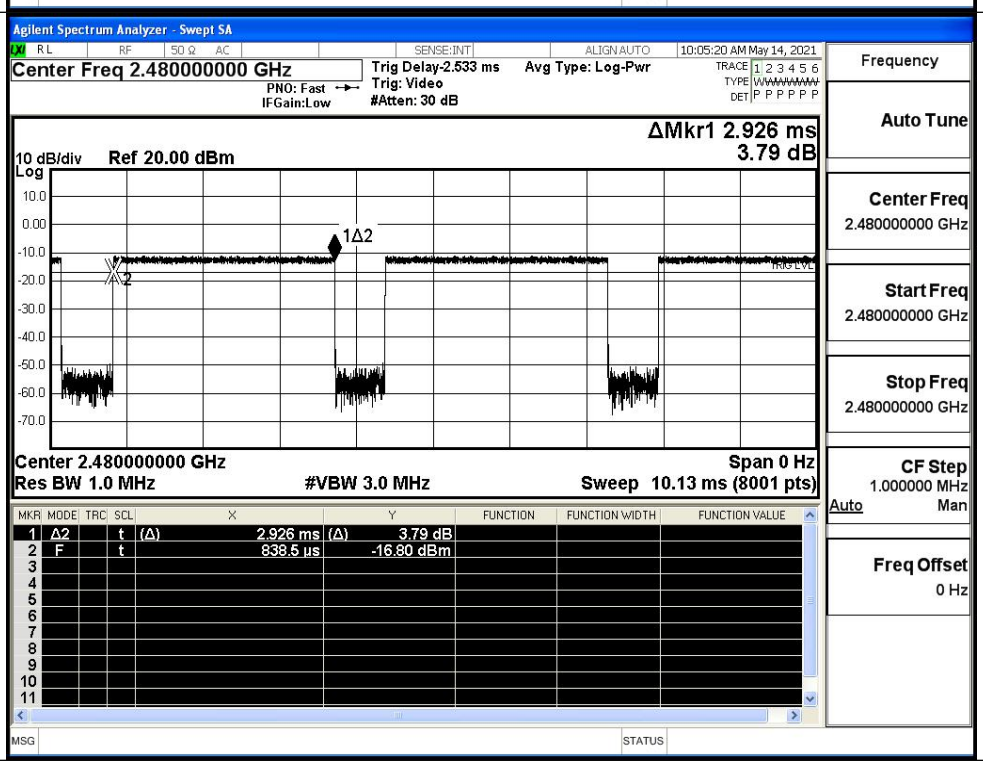
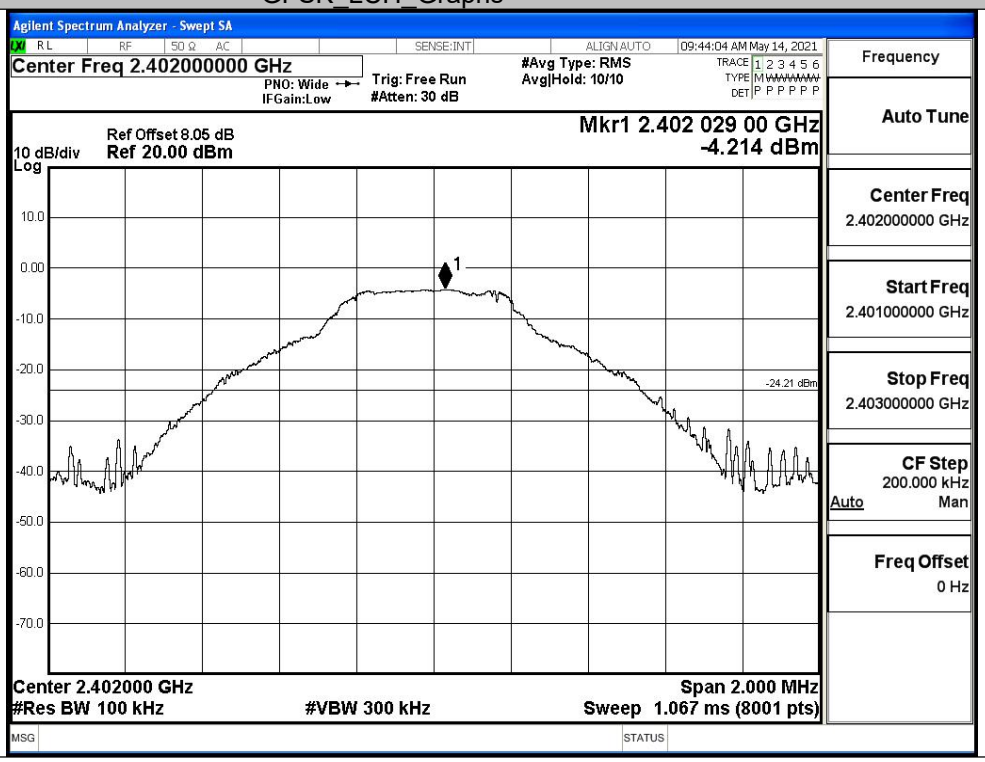
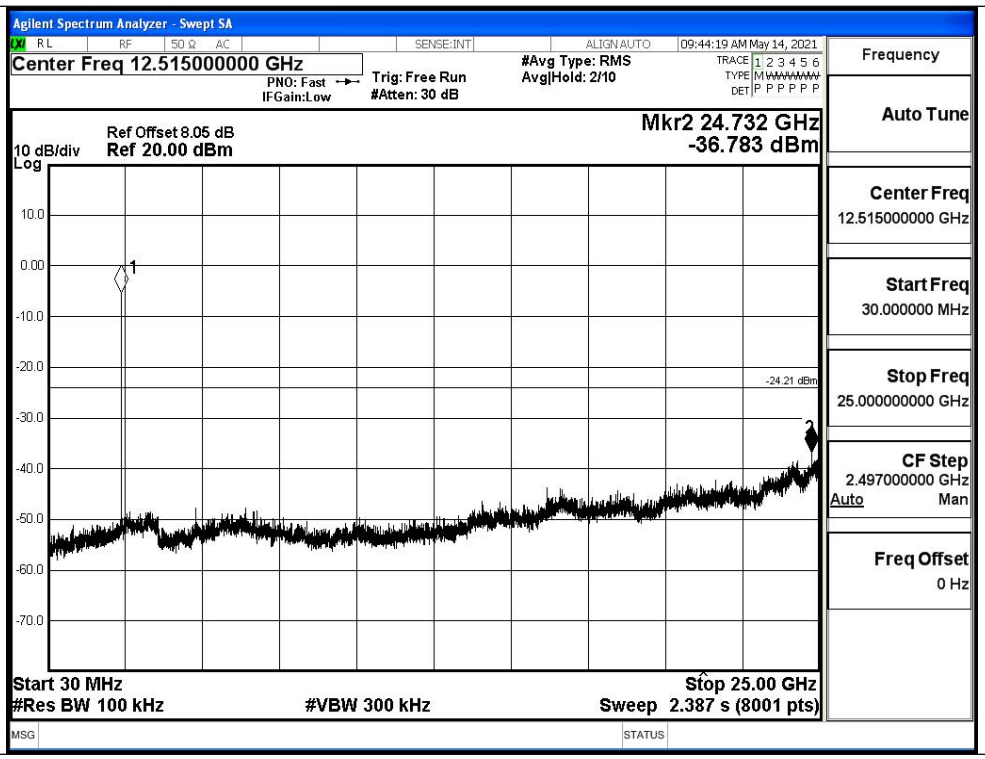
π/4DQPSK _2DH5/HCH	
8DPSK _3DH5/LCH	

8DPSK _3DH5/MCH	
8DPSK _3DH5/HCH	

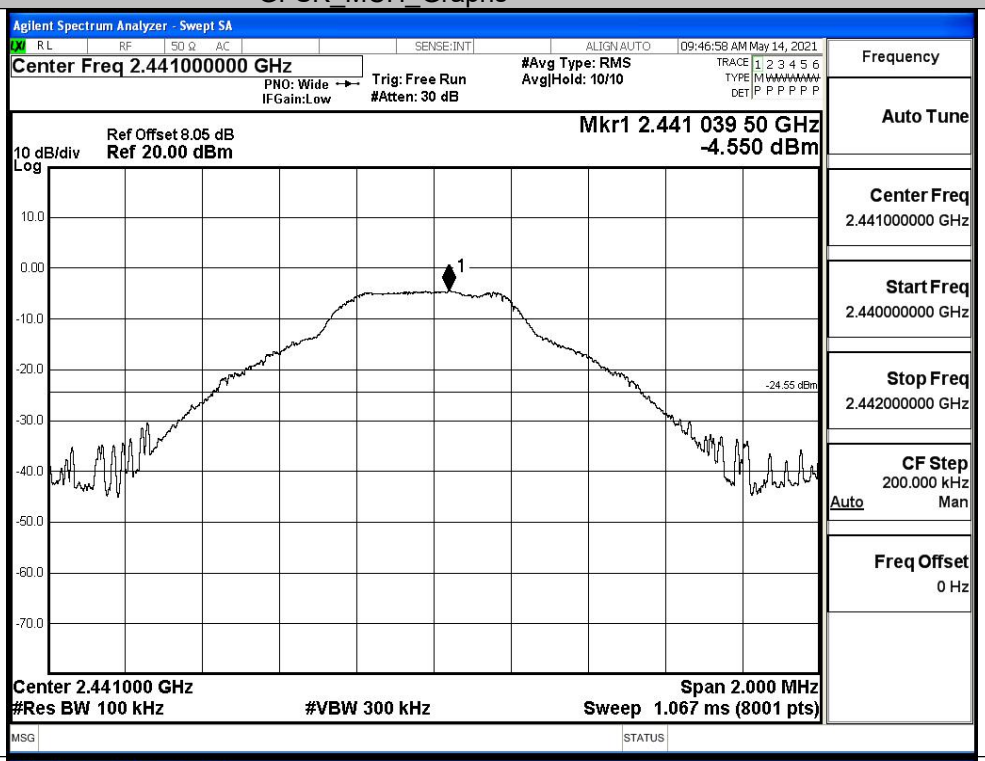
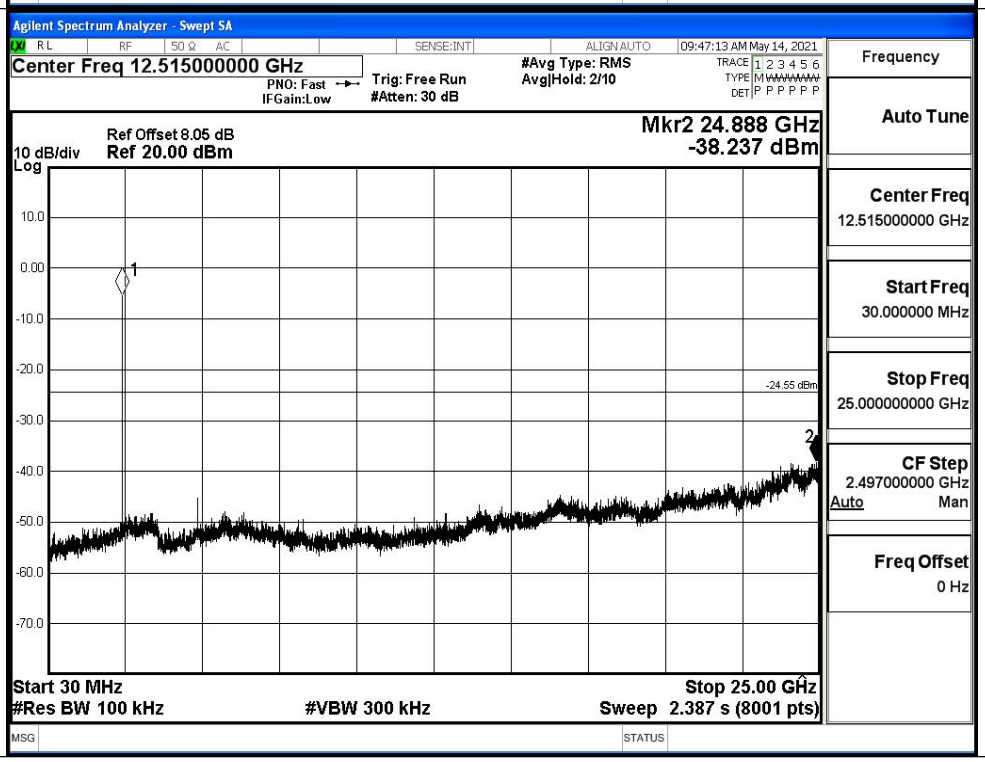
A.6 RF Conducted Spurious Emissions

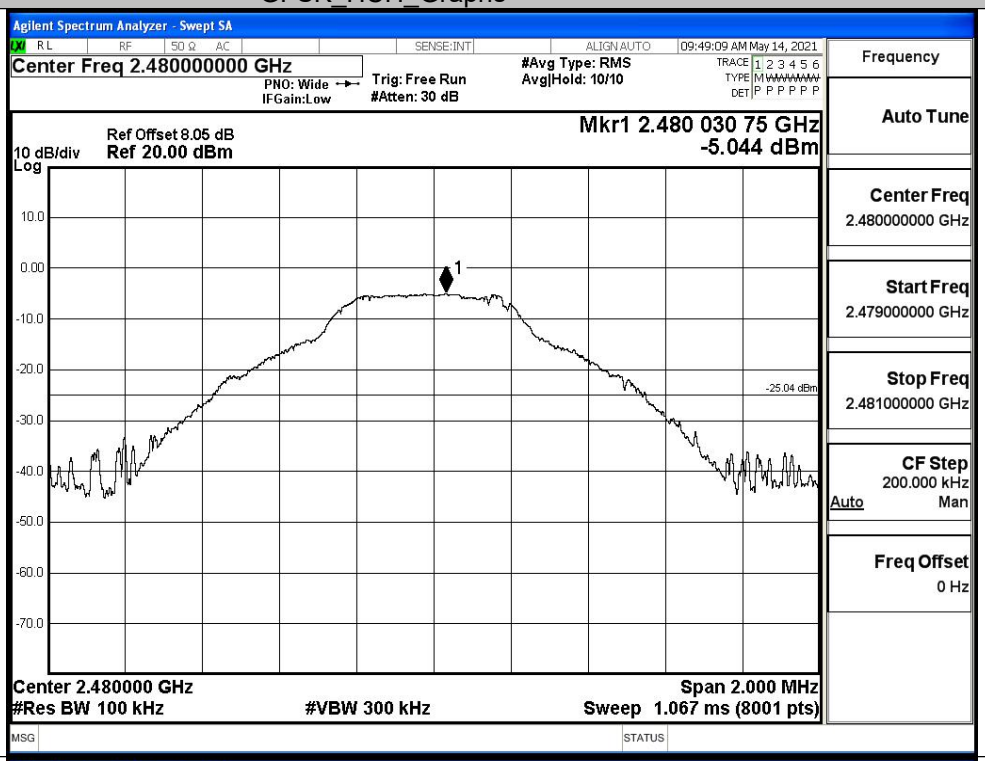
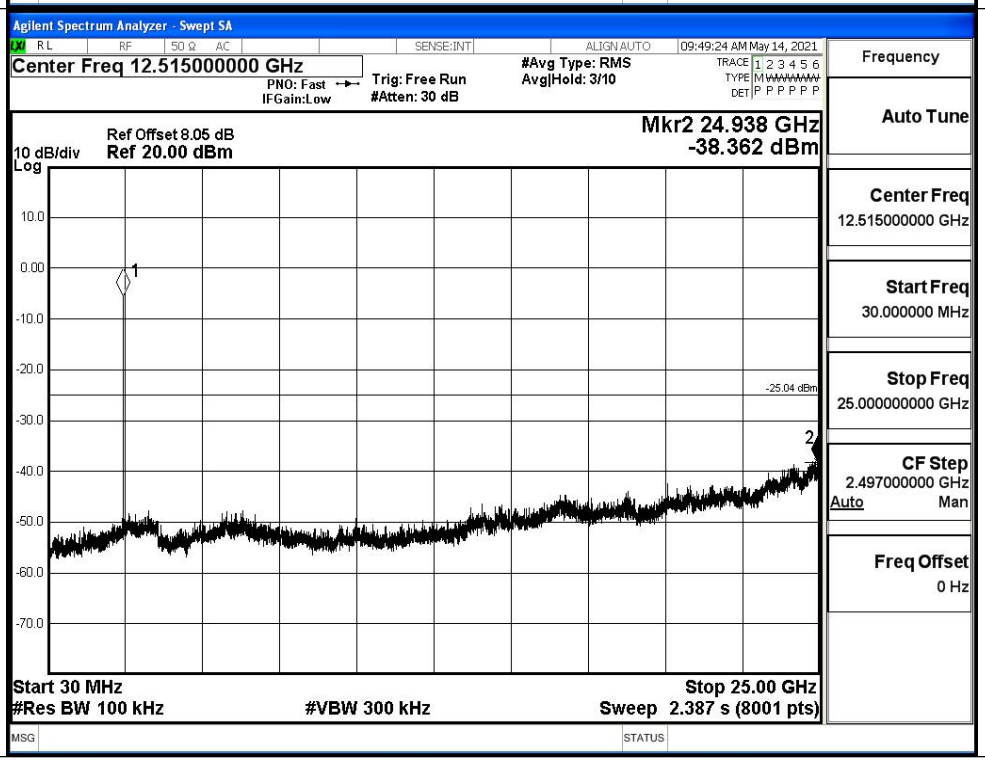
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-4.214	-36.783	-24.214	PASS
	MCH	-4.55	-38.237	-24.550	PASS
	HCH	-5.044	-38.362	-25.044	PASS
π/4DQPSK	LCH	-5.348	-37.384	-25.348	PASS
	MCH	-5.617	-38.403	-25.617	PASS
	HCH	-6.185	-37.801	-26.185	PASS
8DPSK	LCH	-5.387	-37.608	-25.387	PASS
	MCH	-5.626	-37.022	-25.626	PASS
	HCH	-6.281	-37.586	-26.281	PASS

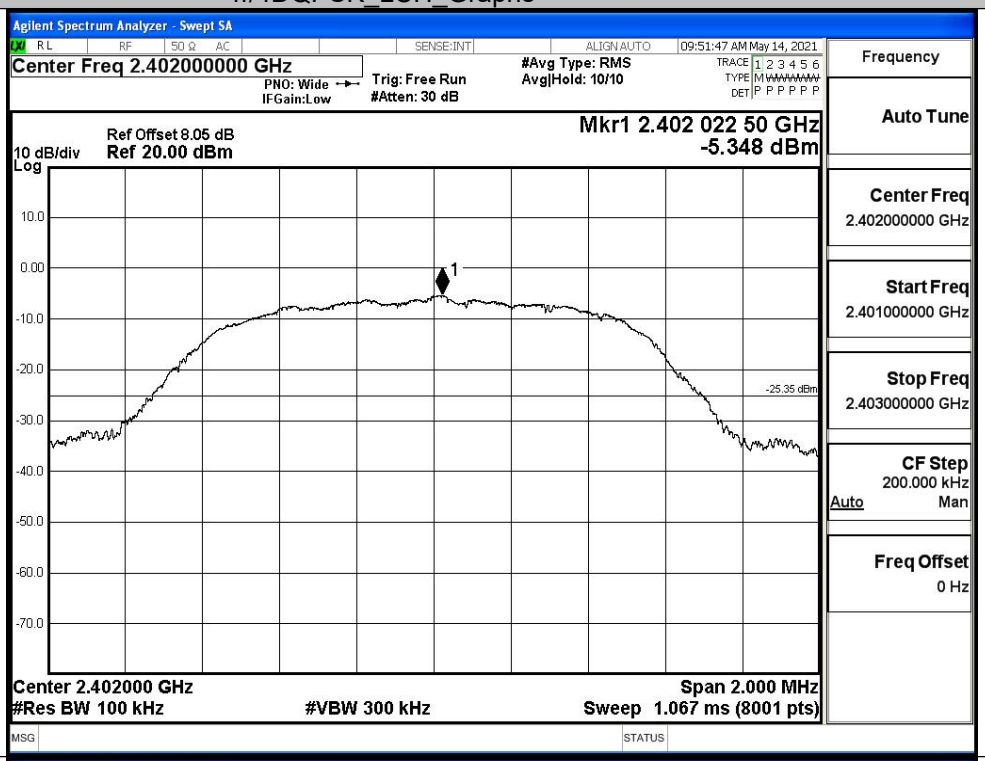
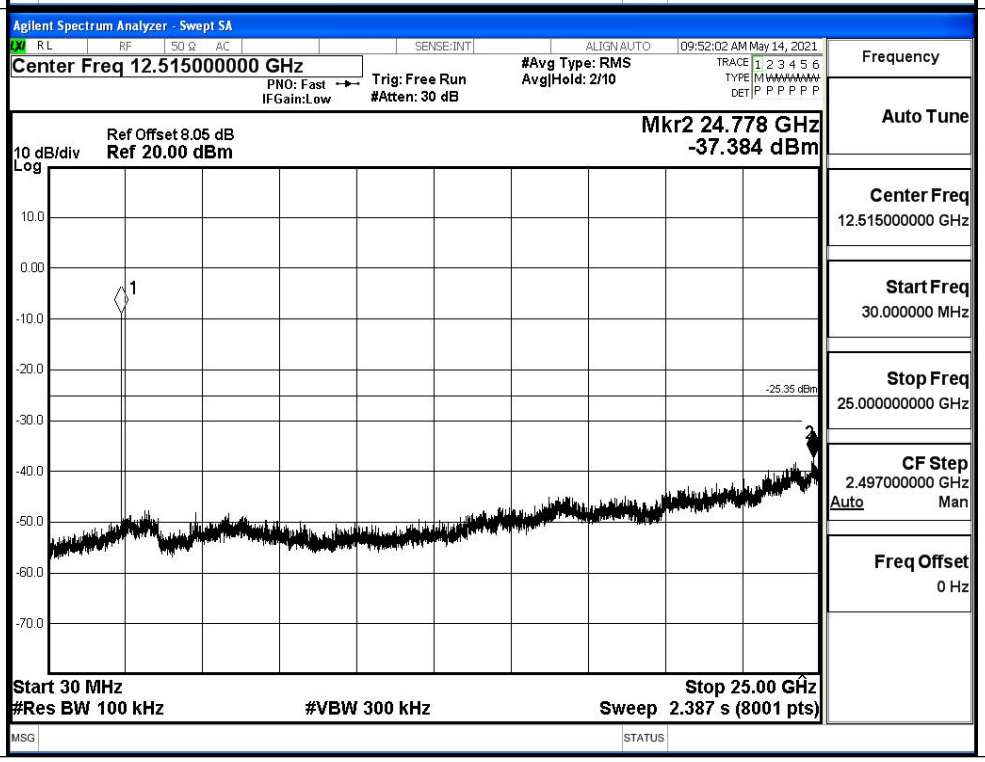
GFSK_LCH_Graphs		
Pref		

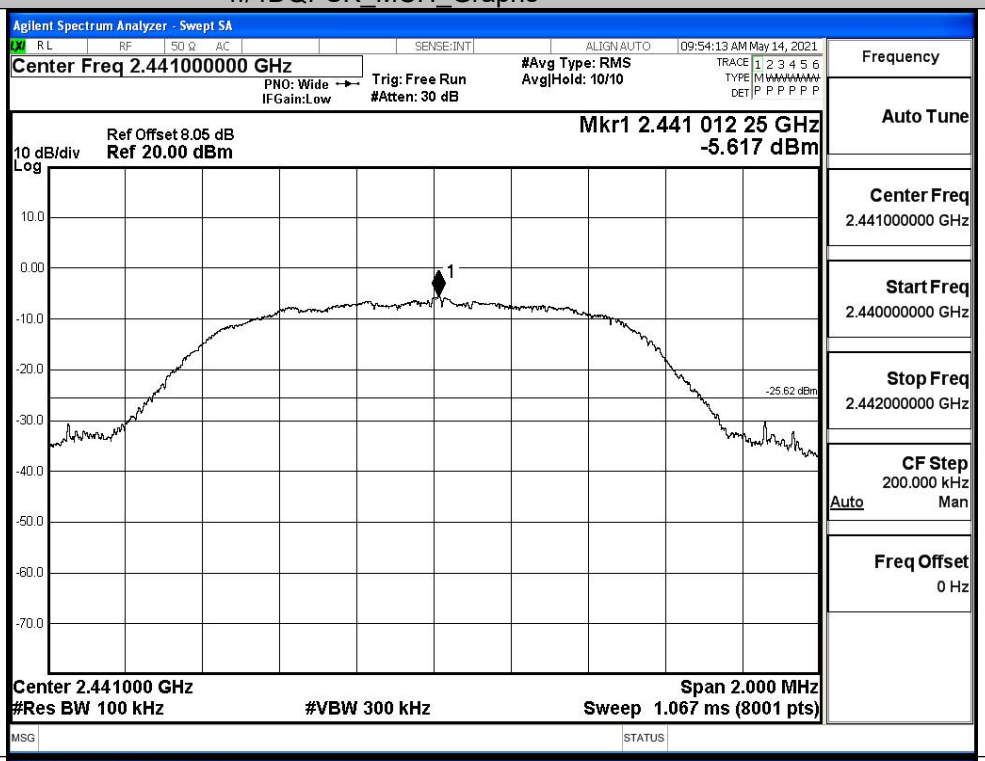
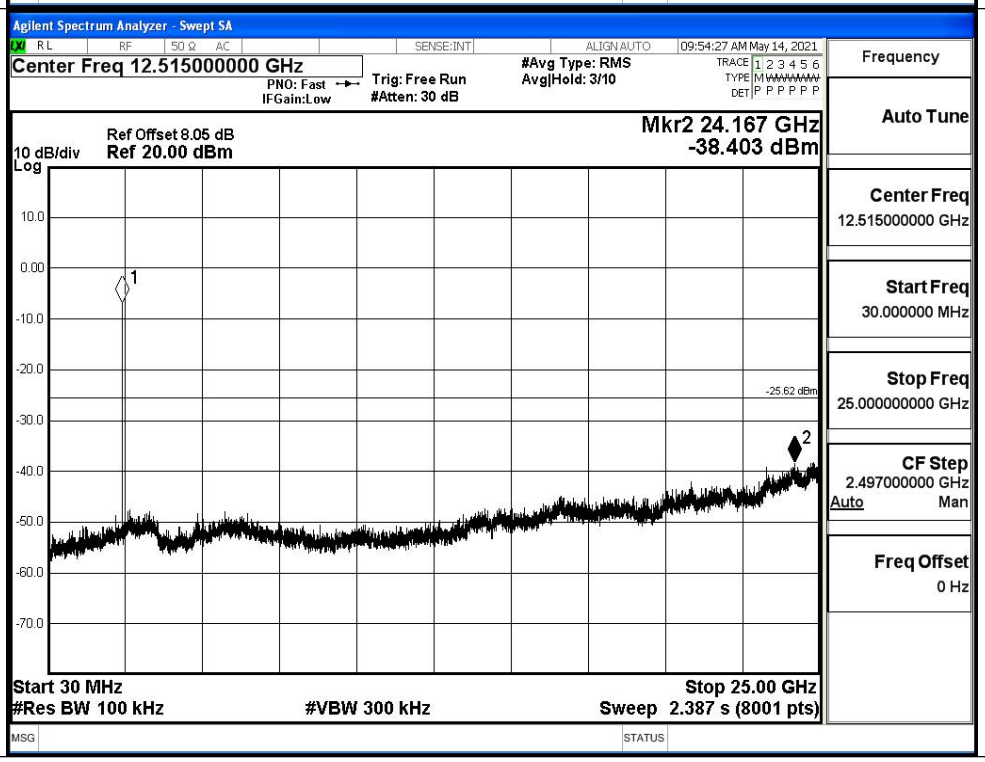
Puw		

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
09:44:19 AM May 14, 2021
Ref Offset 8.05 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr2 24.732 GHz
-36.783 dBm
-24.21 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			

GFSK_HCH_Graphs		
Pref		
Puw		

π/4DQPSK_LCH_Graphs		
Pref		
Puw		

π/4DQPSK_MCH_Graphs		
Pref		
Puw		

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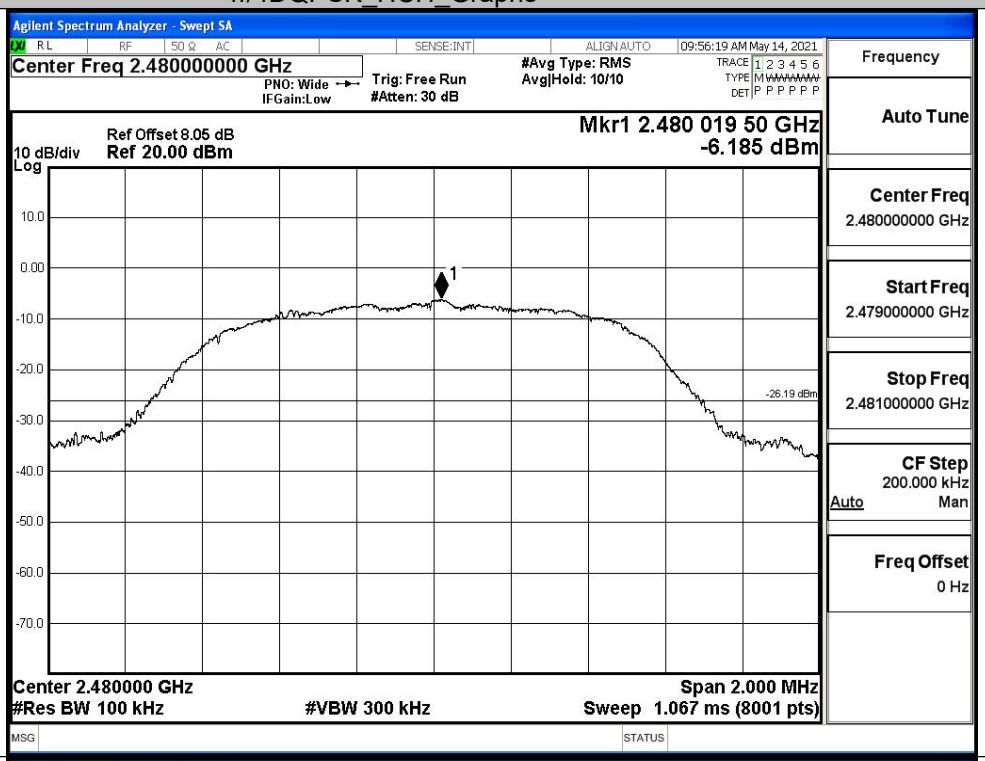
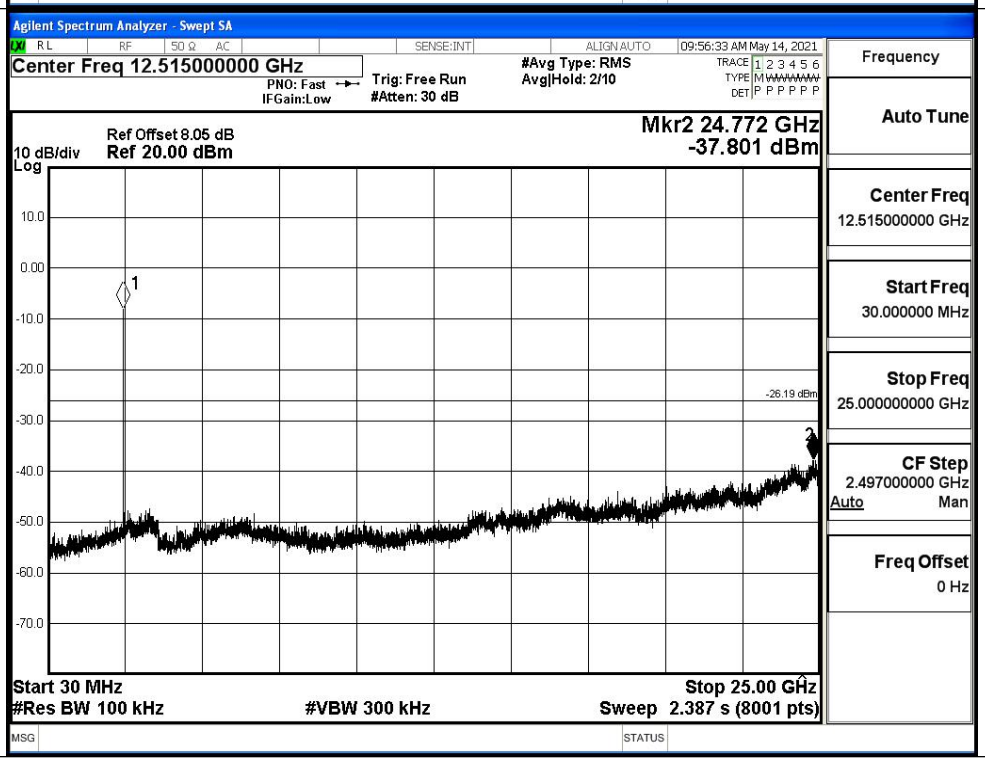
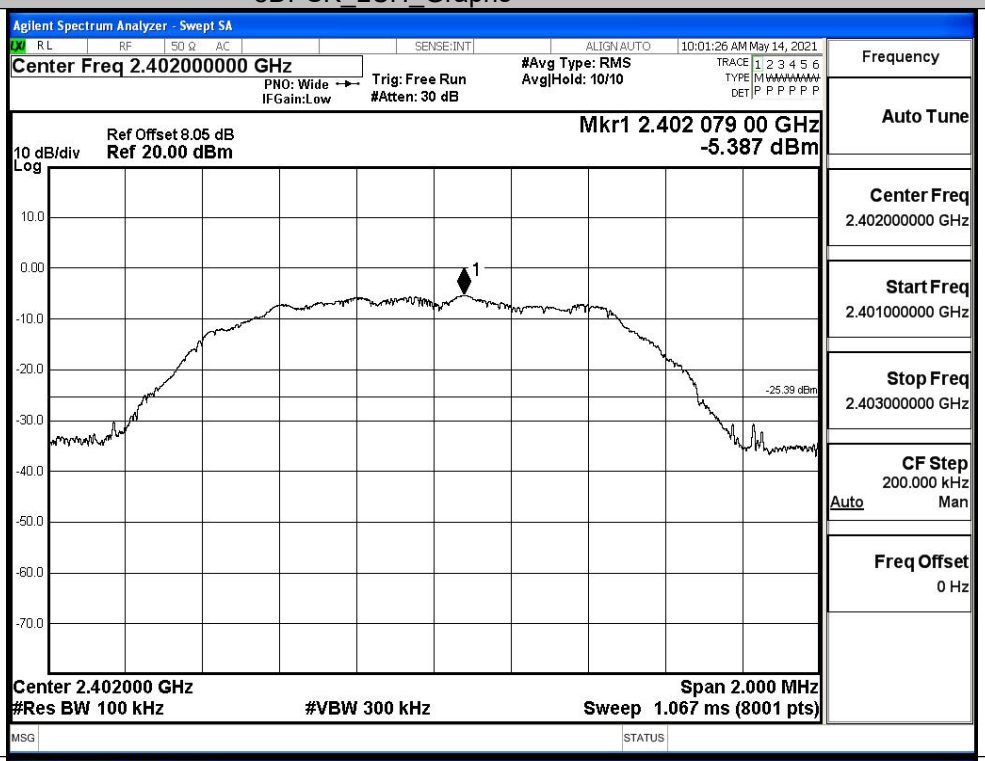
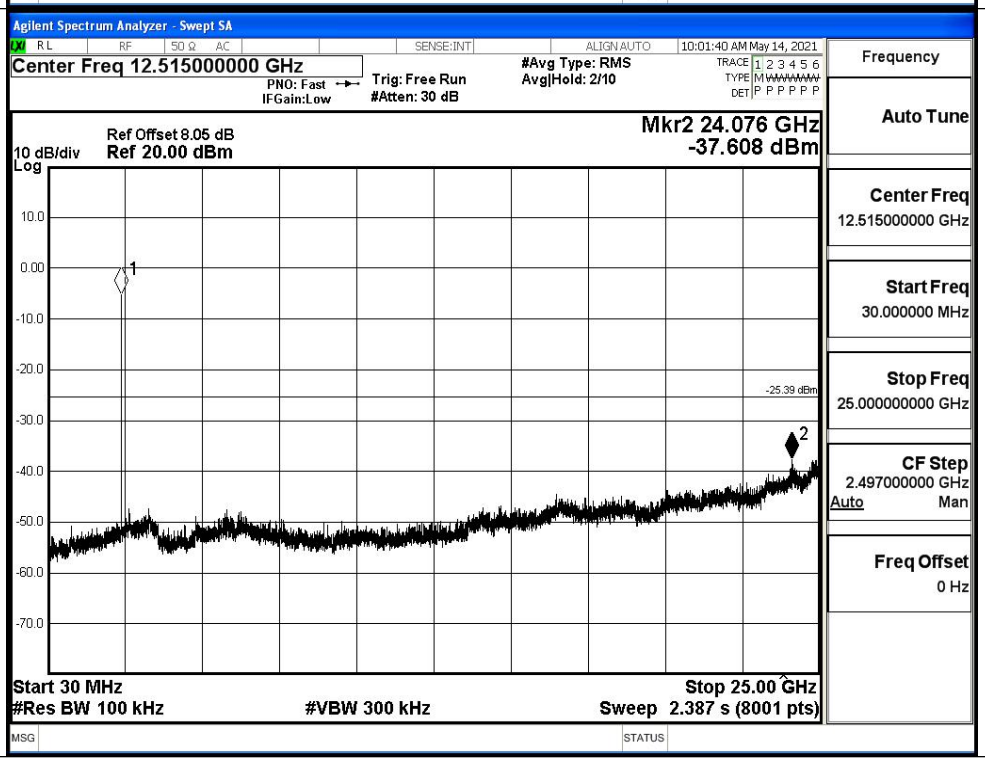
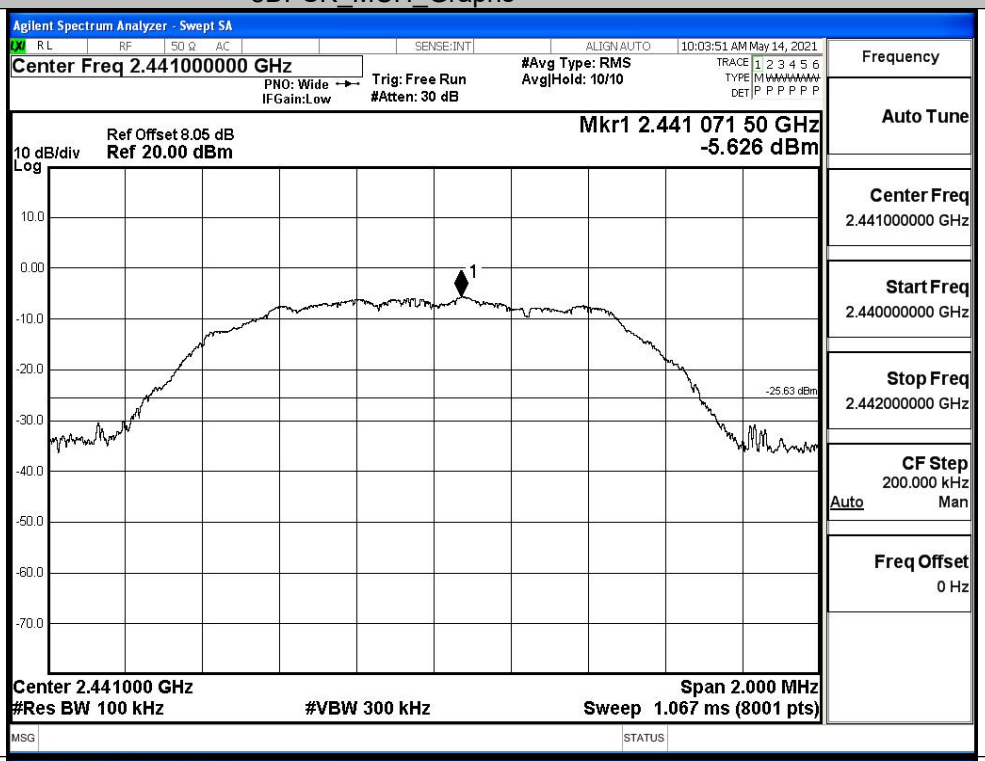
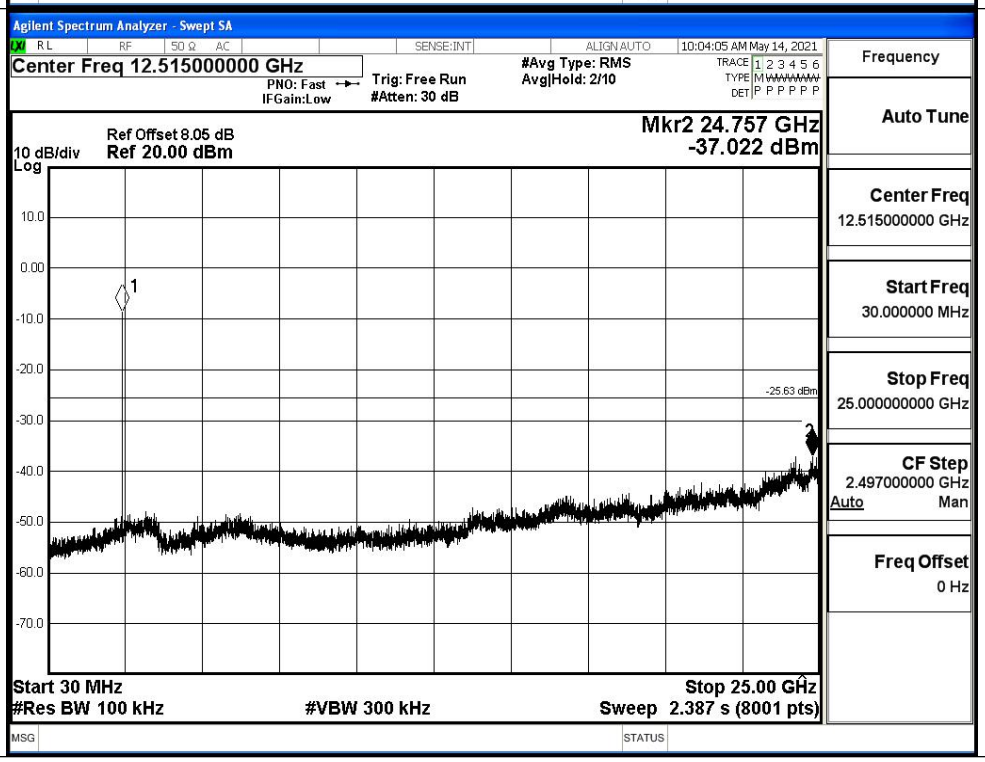
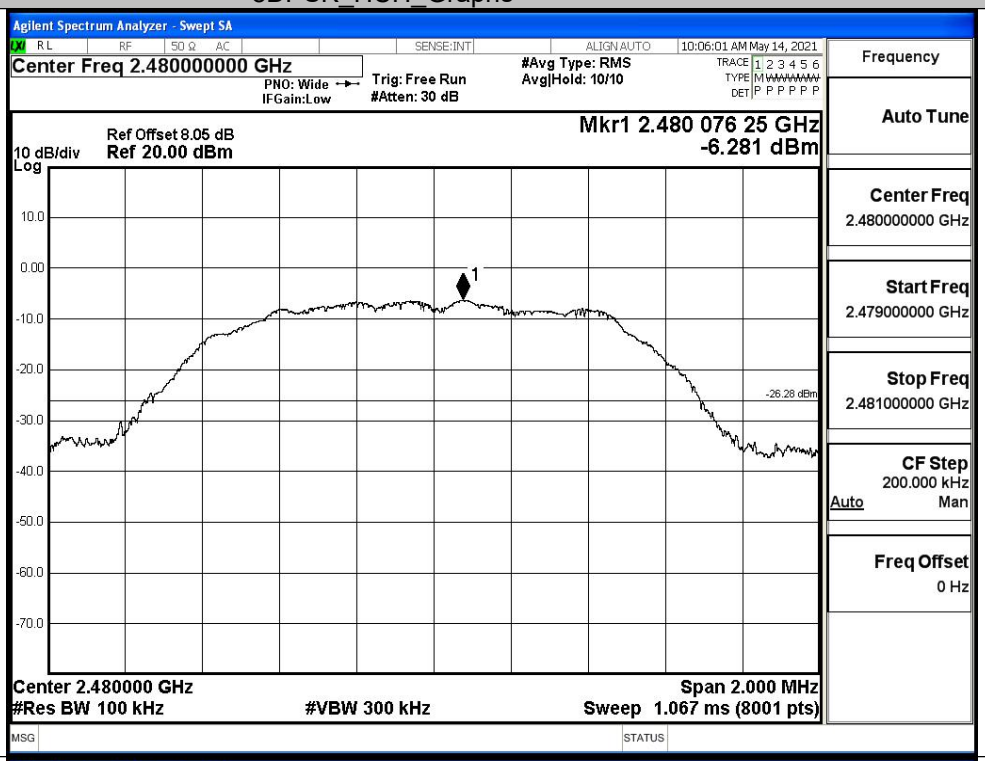
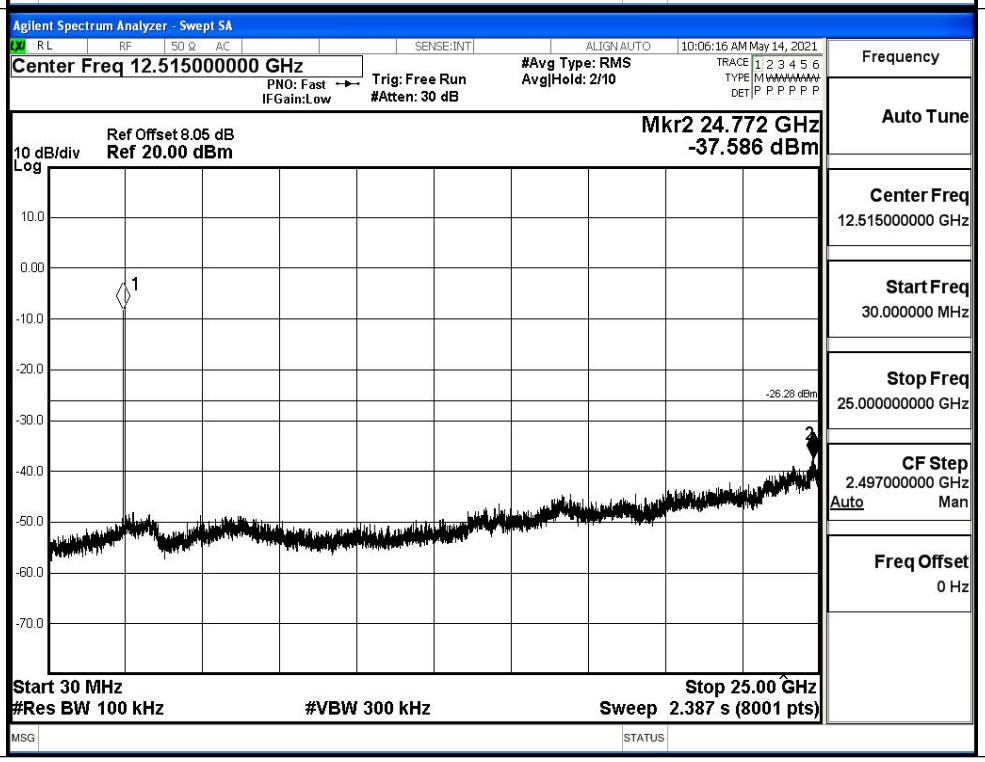
Pref		
Puw		

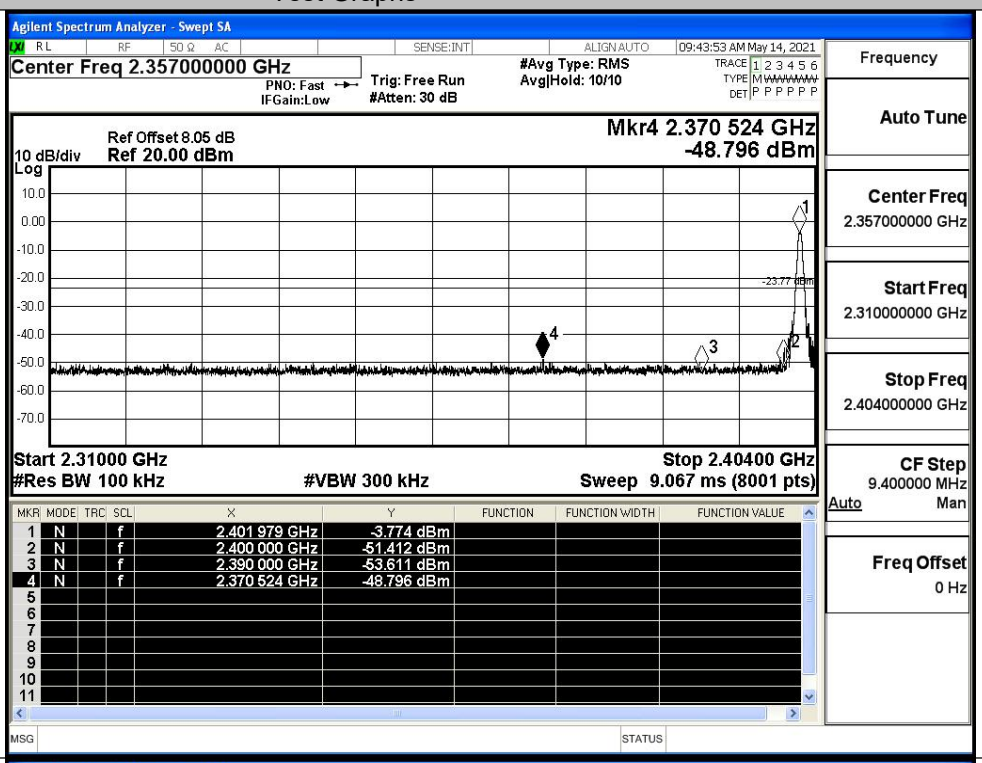
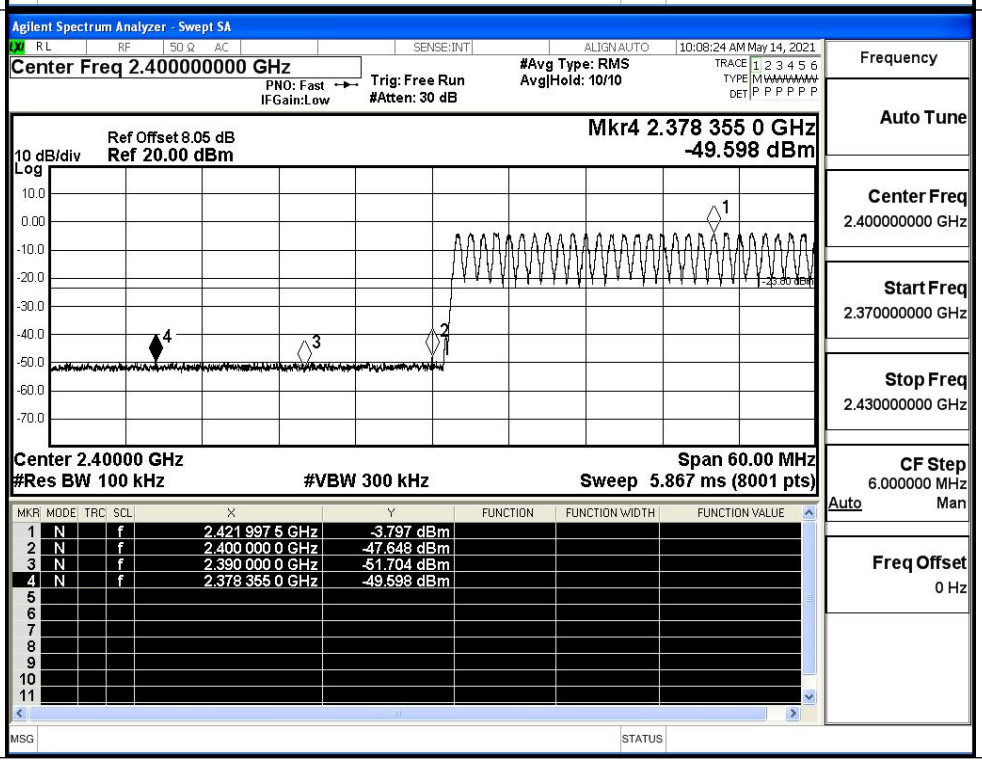
8DPSK_LCH_Graphs		
Pref		
Puw		

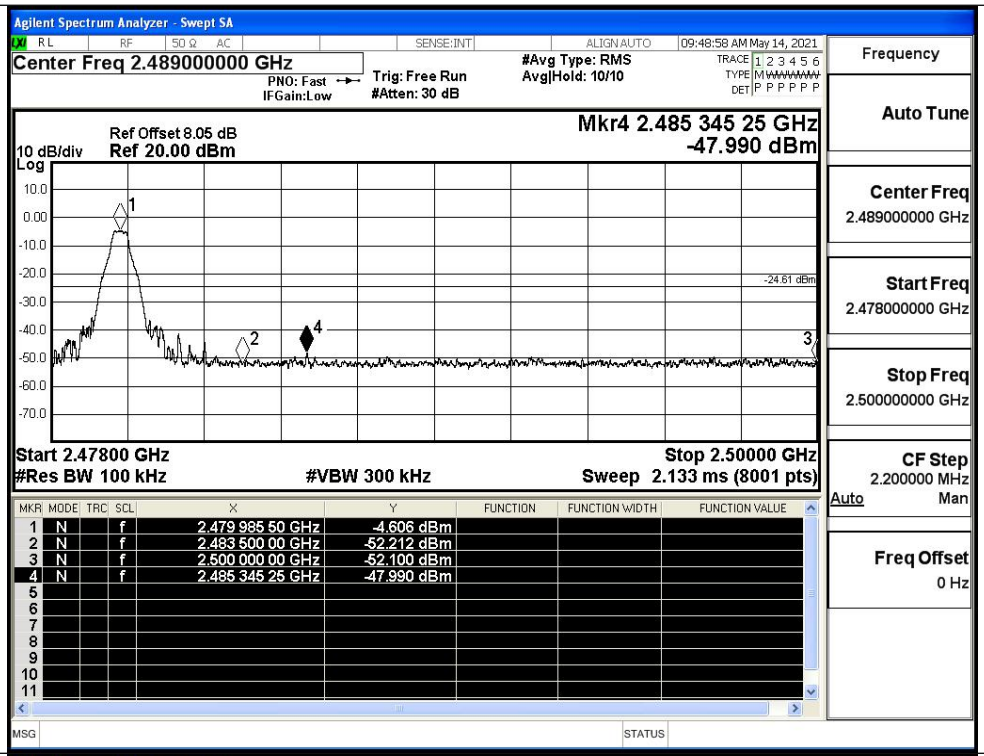
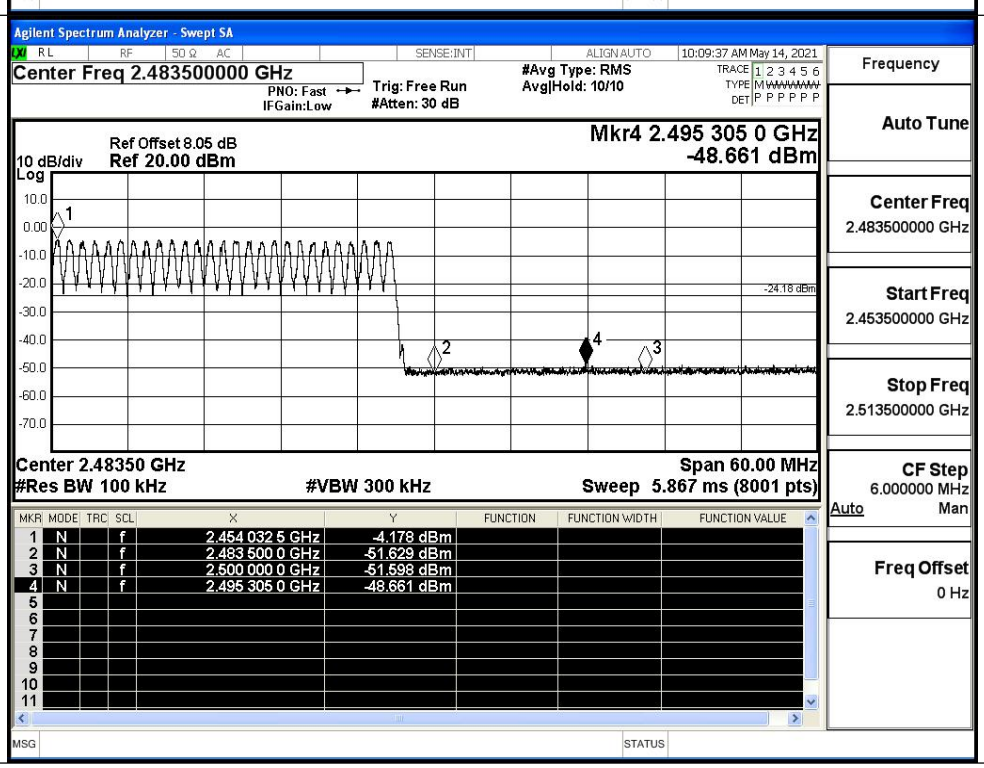
8DPSK_MCH_Graphs		
Pref		
Puw		

8DPSK_HCH_Graphs			
Pref			
Puw			

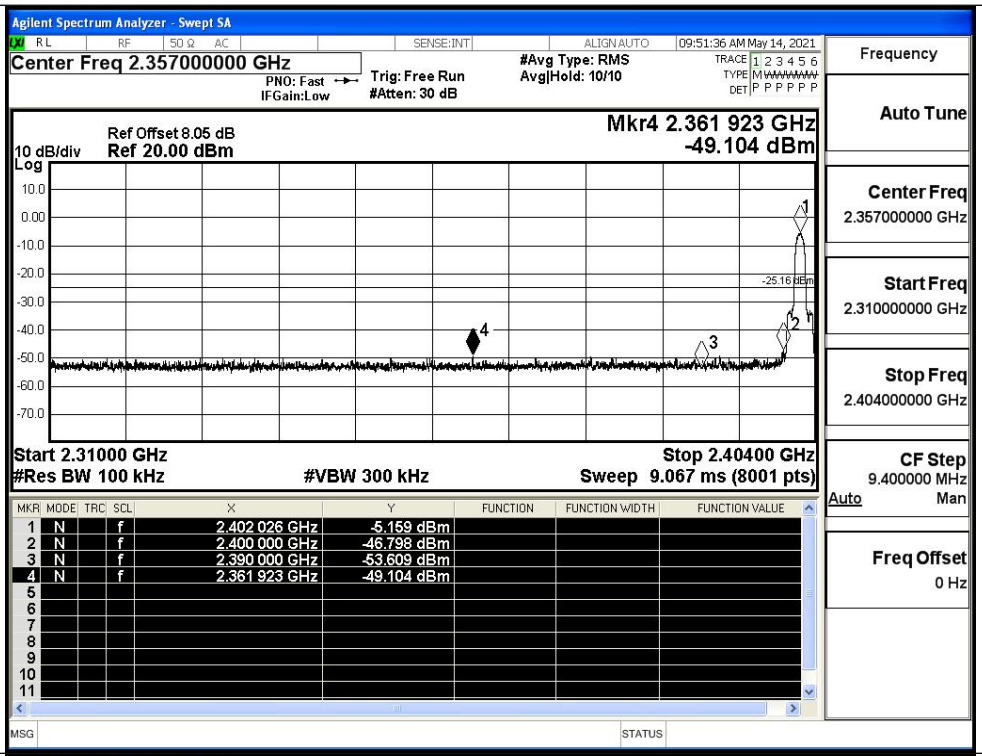
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-3.774	Off	-48.796	-23.77	PASS
			-3.797	On	-49.598	-23.8	PASS
	HCH	2480	-4.606	Off	-47.990	-24.61	PASS
			-4.178	On	-48.661	-24.18	PASS
π/4DQPSK	LCH	2402	-5.159	Off	-49.104	-25.16	PASS
			-4.973	On	-49.167	-24.97	PASS
	HCH	2480	-6.245	Off	-49.400	-26.25	PASS
			-5.526	On	-47.971	-25.53	PASS
8DPSK	LCH	2402	-5.142	Off	-49.514	-25.14	PASS
			-4.935	On	-49.059	-24.94	PASS
	HCH	2480	-5.886	Off	-48.769	-25.89	PASS
			-5.459	On	-48.166	-25.46	PASS

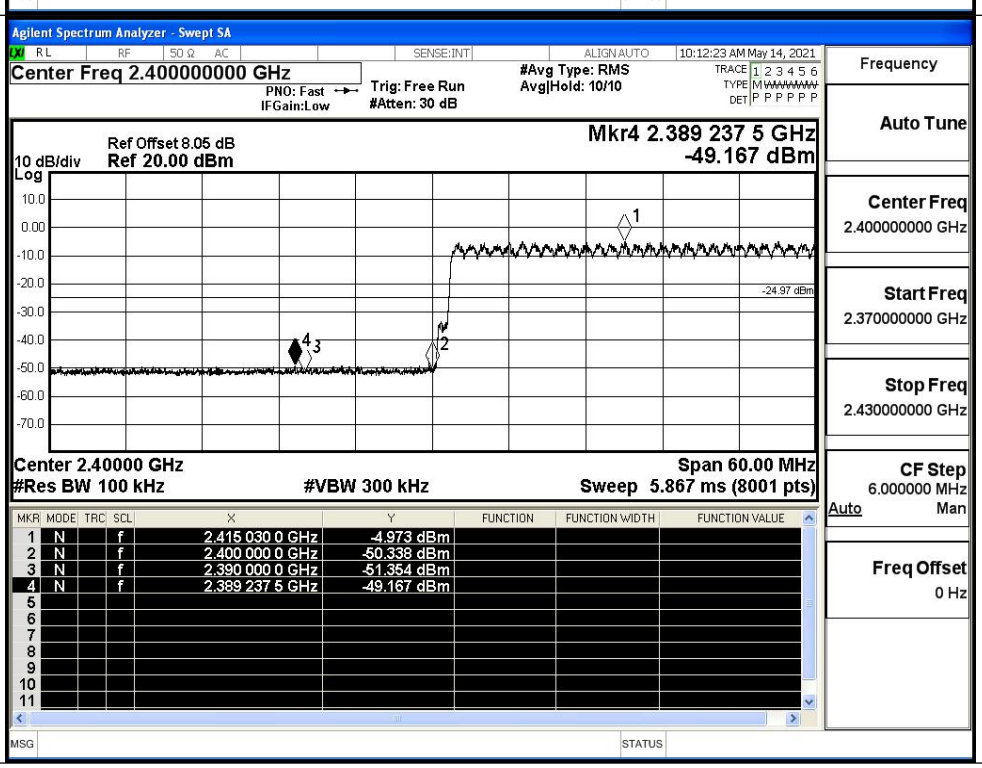
Test Graphs	
GFSK/LCH/No Hop	
GFSK/LCH/Hop	

GFSK/HCH/No Hop	
GFSK/HCH/Hop	

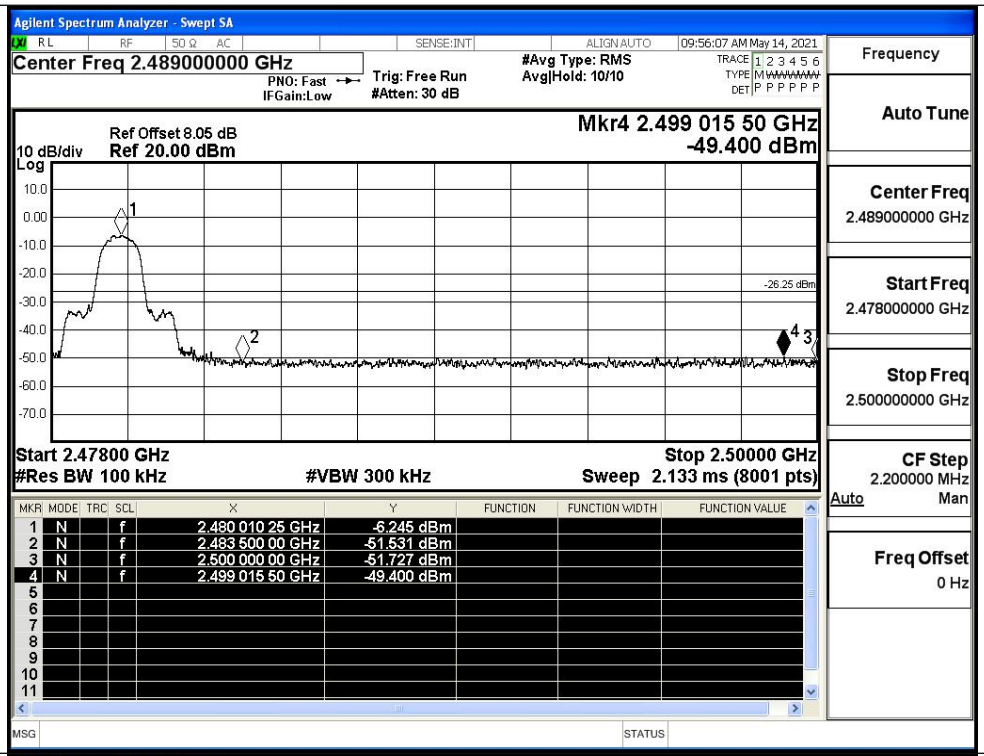
π/4DQPSK/LCH/No Hop



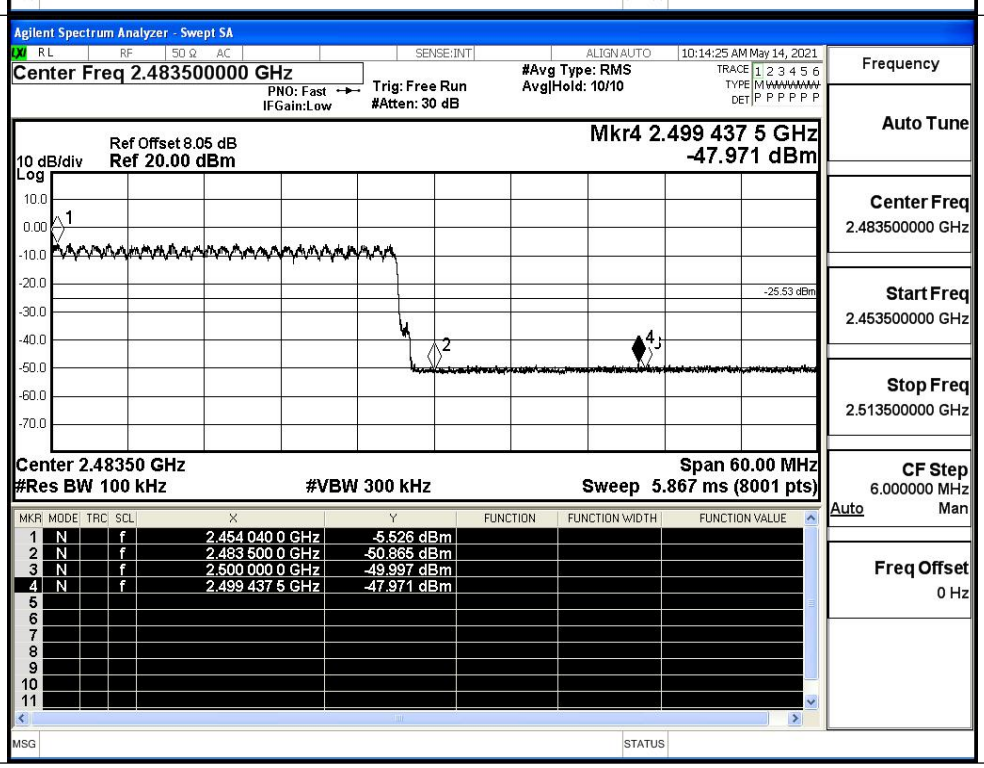
π/4DQPSK/LCH/Hop



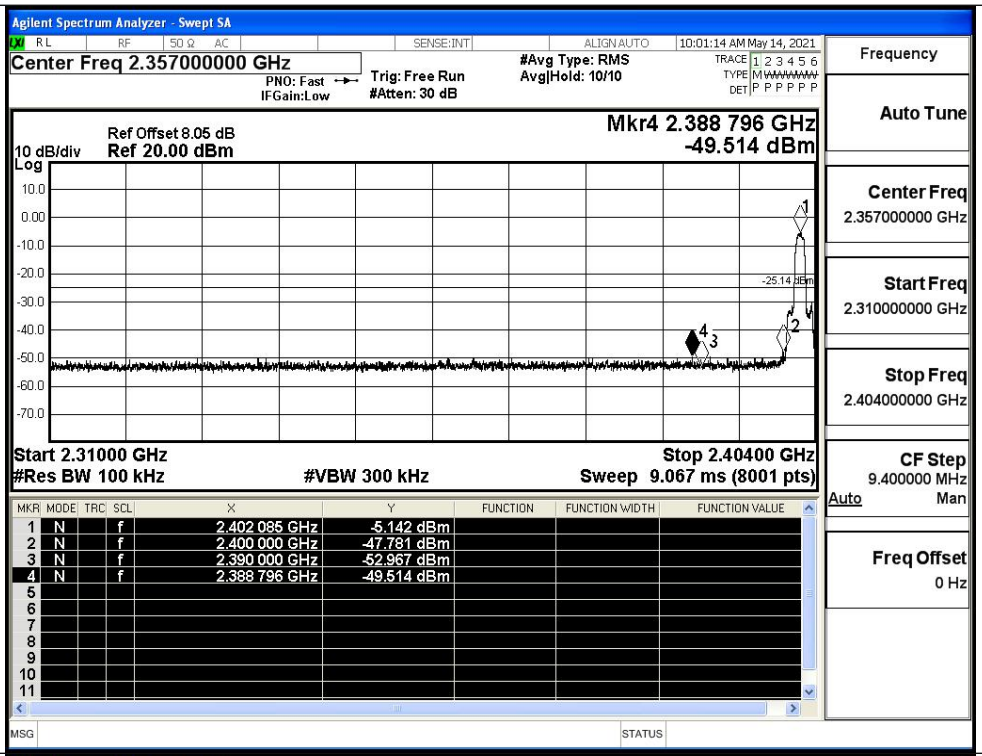
π/4DQPSK/HCH/No Hop



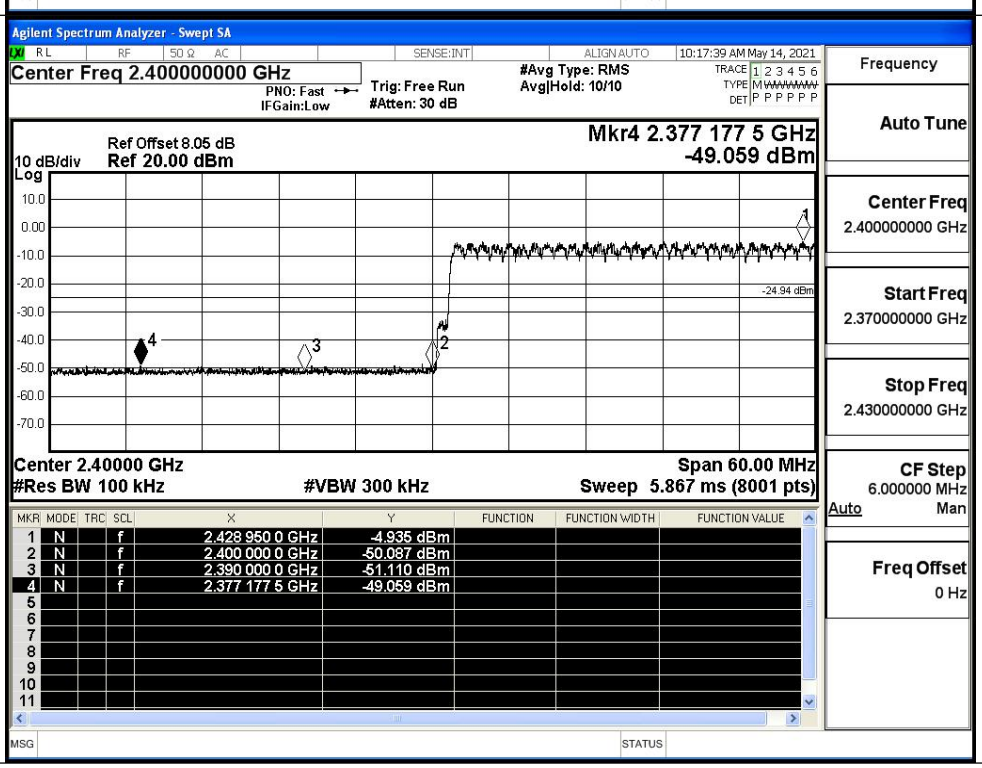
π/4DQPSK/HCH/Hop



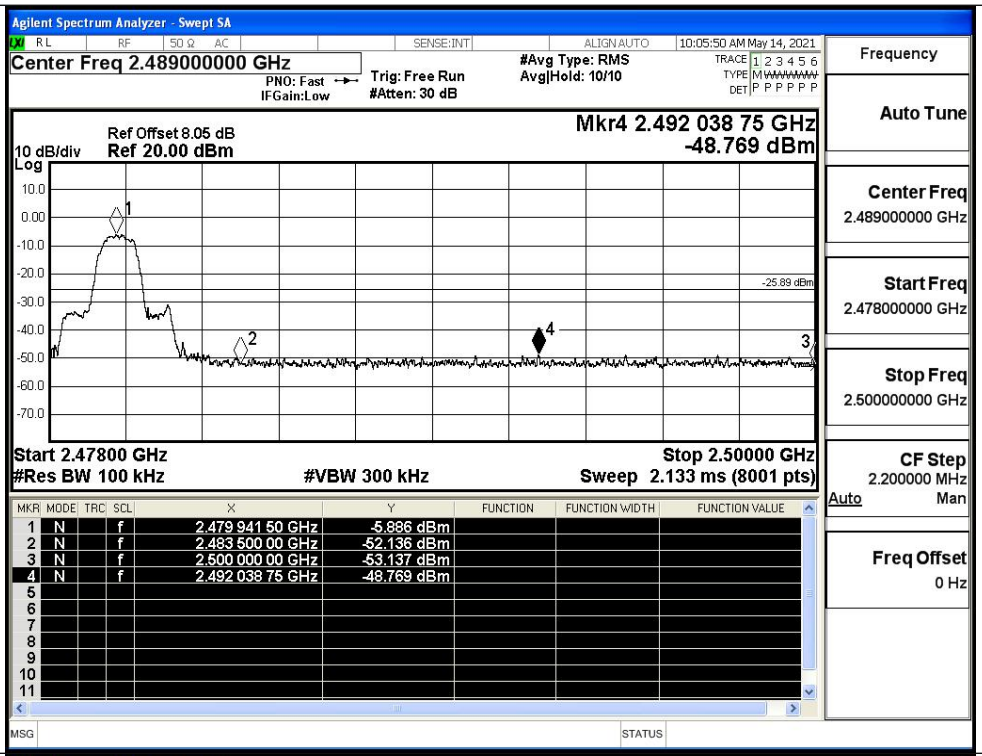
8DPSK/LCH/No Hop



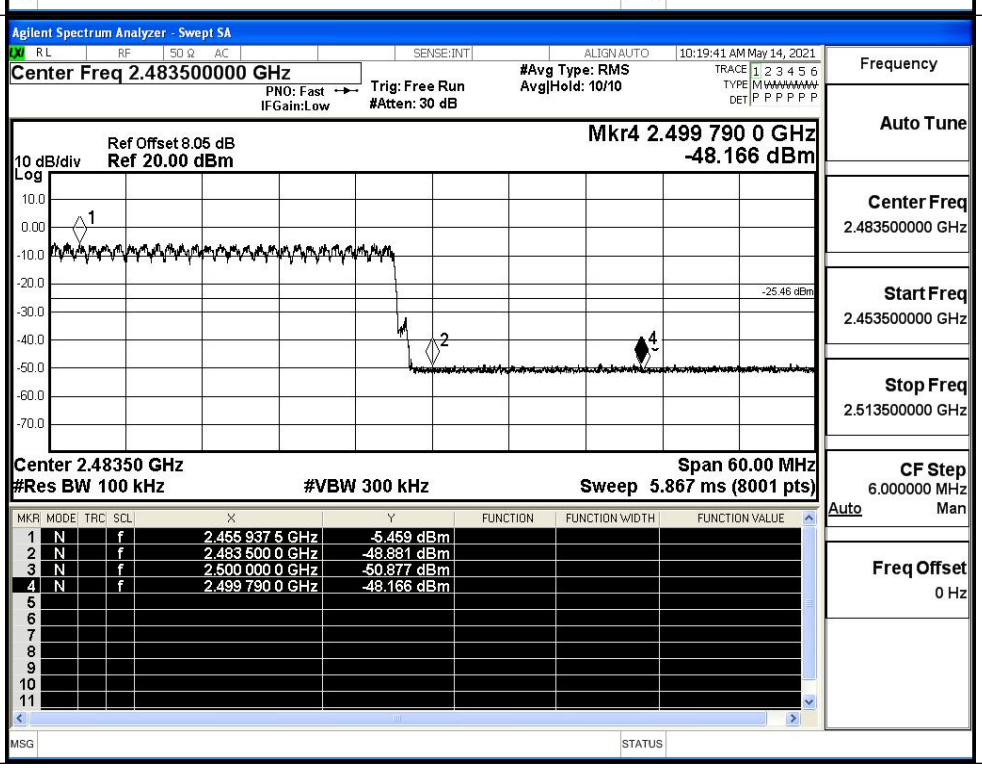
8DPSK/LCH/Hop



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	-43.43	2.0	0	51.83	PEAK	74	PASS
	Off	2310.0	-53.37	2.0	0	41.89	AV	54	PASS
	Off	2390.0	-43.07	2.0	0	52.19	PEAK	74	PASS
	Off	2390.0	-52.97	2.0	0	42.29	AV	54	PASS
	Off	2483.5	-42.22	2.0	0	53.04	PEAK	74	PASS
	Off	2483.5	-52.43	2.0	0	42.82	AV	54	PASS
	Off	2500.0	-42.59	2.0	0	52.66	PEAK	74	PASS
	Off	2500.0	-52.28	2.0	0	42.98	AV	54	PASS
π/4DQPSK	Off	2310.0	-42.93	2.0	0	52.33	PEAK	74	PASS
	Off	2310.0	-53.23	2.0	0	42.03	AV	54	PASS
	Off	2390.0	-42.59	2.0	0	52.66	PEAK	74	PASS
	Off	2390.0	-52.81	2.0	0	42.45	AV	54	PASS
	Off	2483.5	-43.22	2.0	0	52.04	PEAK	74	PASS
	Off	2483.5	-52.16	2.0	0	43.10	AV	54	PASS
	Off	2500.0	-42.44	2.0	0	52.82	PEAK	74	PASS
	Off	2500.0	-52.26	2.0	0	43.00	AV	54	PASS
8DPSK	Off	2310.0	-43.59	2.0	0	51.67	PEAK	74	PASS
	Off	2310.0	-53.22	2.0	0	42.04	AV	54	PASS
	Off	2390.0	-42.08	2.0	0	53.18	PEAK	74	PASS
	Off	2390.0	-52.96	2.0	0	42.30	AV	54	PASS
	Off	2483.5	-40.07	2.0	0	55.19	PEAK	74	PASS
	Off	2483.5	-52.15	2.0	0	43.10	AV	54	PASS
	Off	2500.0	-41.69	2.0	0	53.56	PEAK	74	PASS
	Off	2500.0	-52.28	2.0	0	42.97	AV	54	PASS