

Appendix A

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: WiFi Tablet

Trade Mark: CWOWDEFU

Test Model: F10W

Environmental Conditions

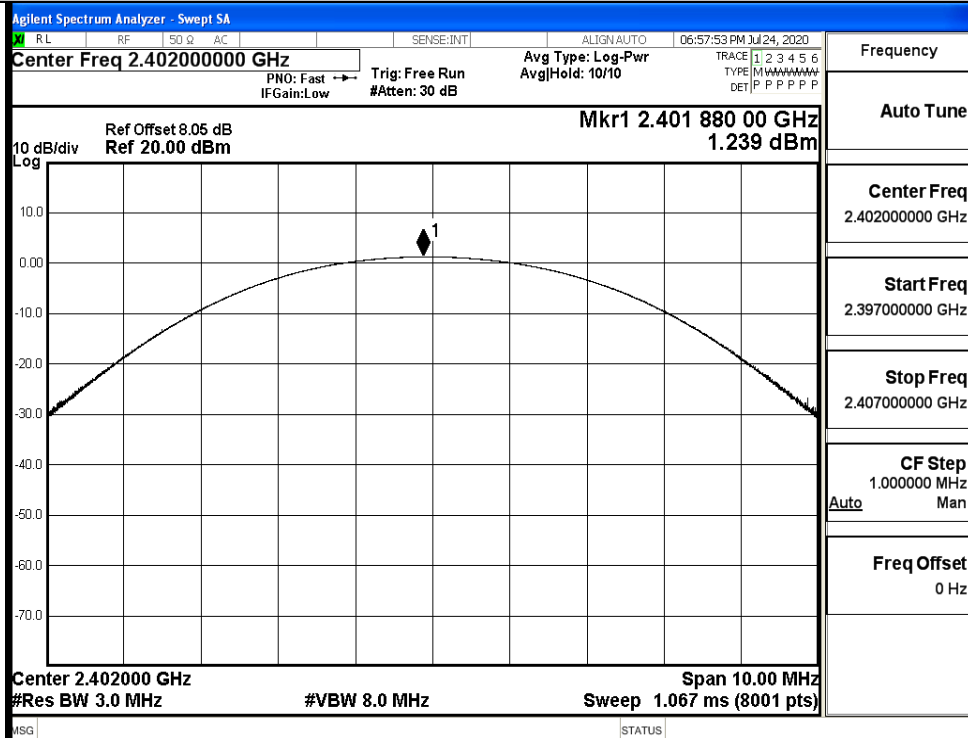
Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	CARL FU
Supervised by:	Li Huan

A.1 Maximum Conducted Peak Output Power

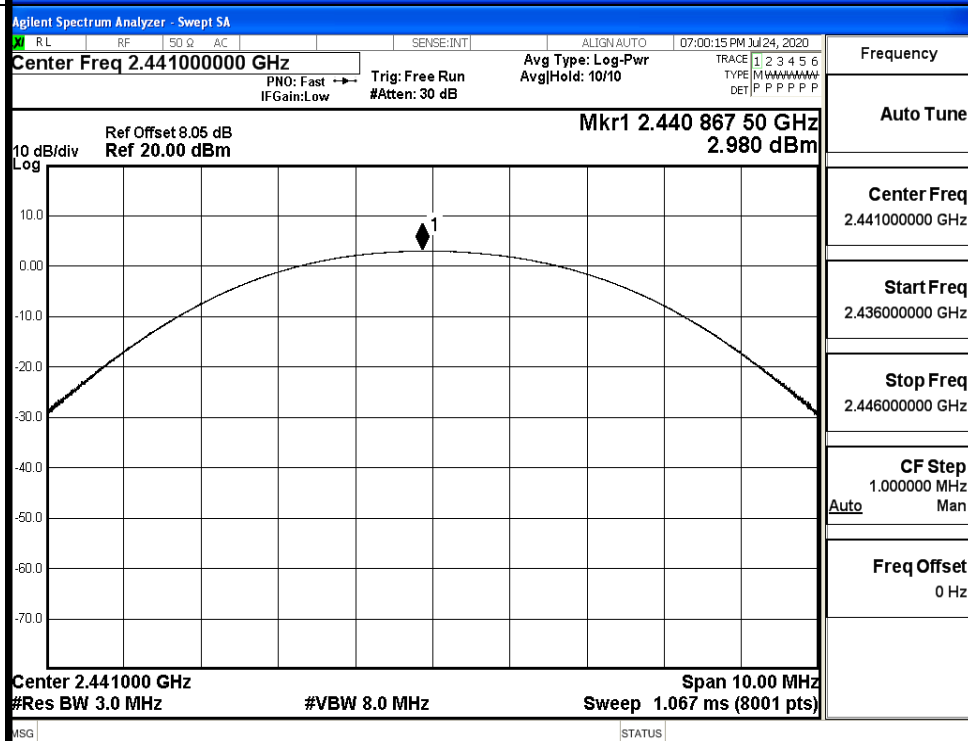
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	1.239	21	PASS
	MCH	2.980	21	PASS
	HCH	3.409	21	PASS
$\pi/4$ DQPSK	LCH	0.667	21	PASS
	MCH	2.444	21	PASS
	HCH	2.867	21	PASS
8DPSK	LCH	0.665	21	PASS
	MCH	2.464	21	PASS
	HCH	2.909	21	PASS

Test Graphs

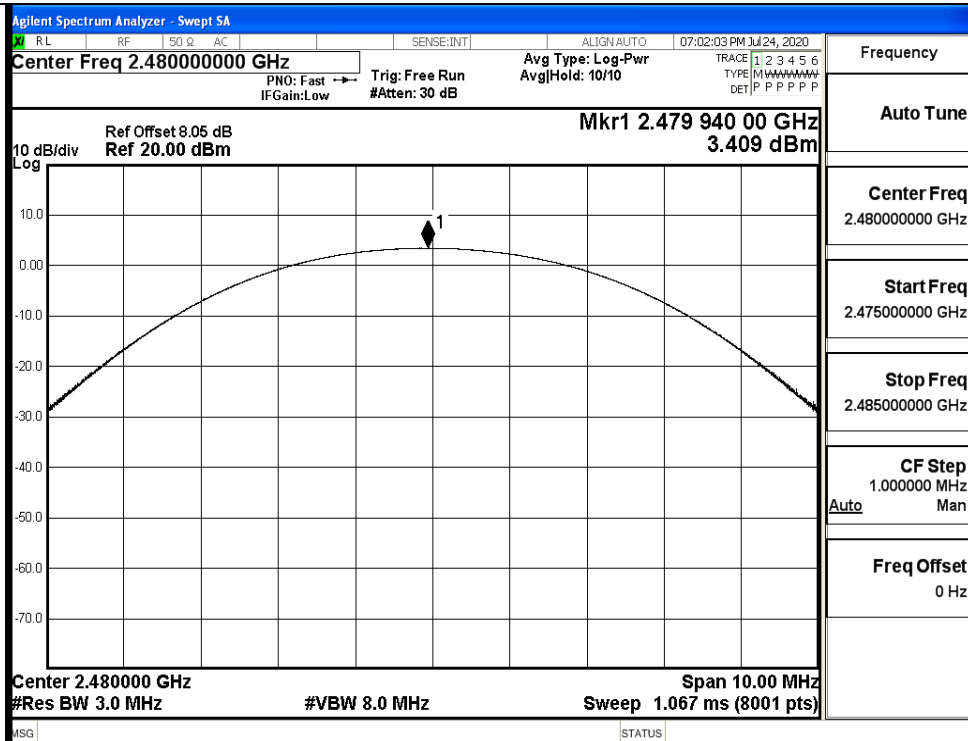
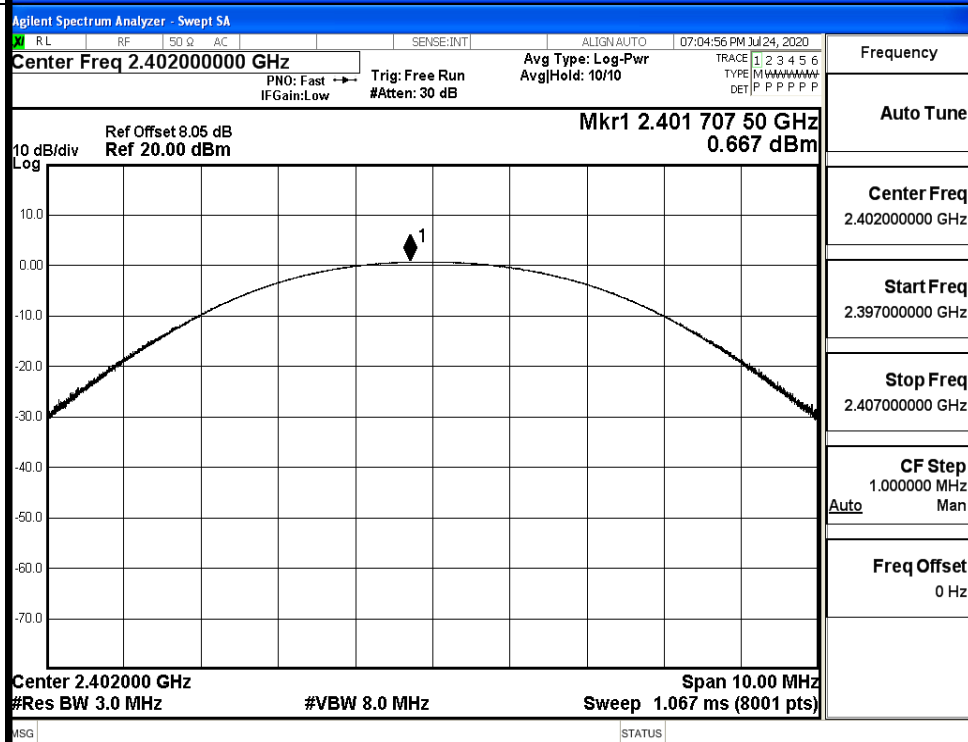
GFSK/LCH

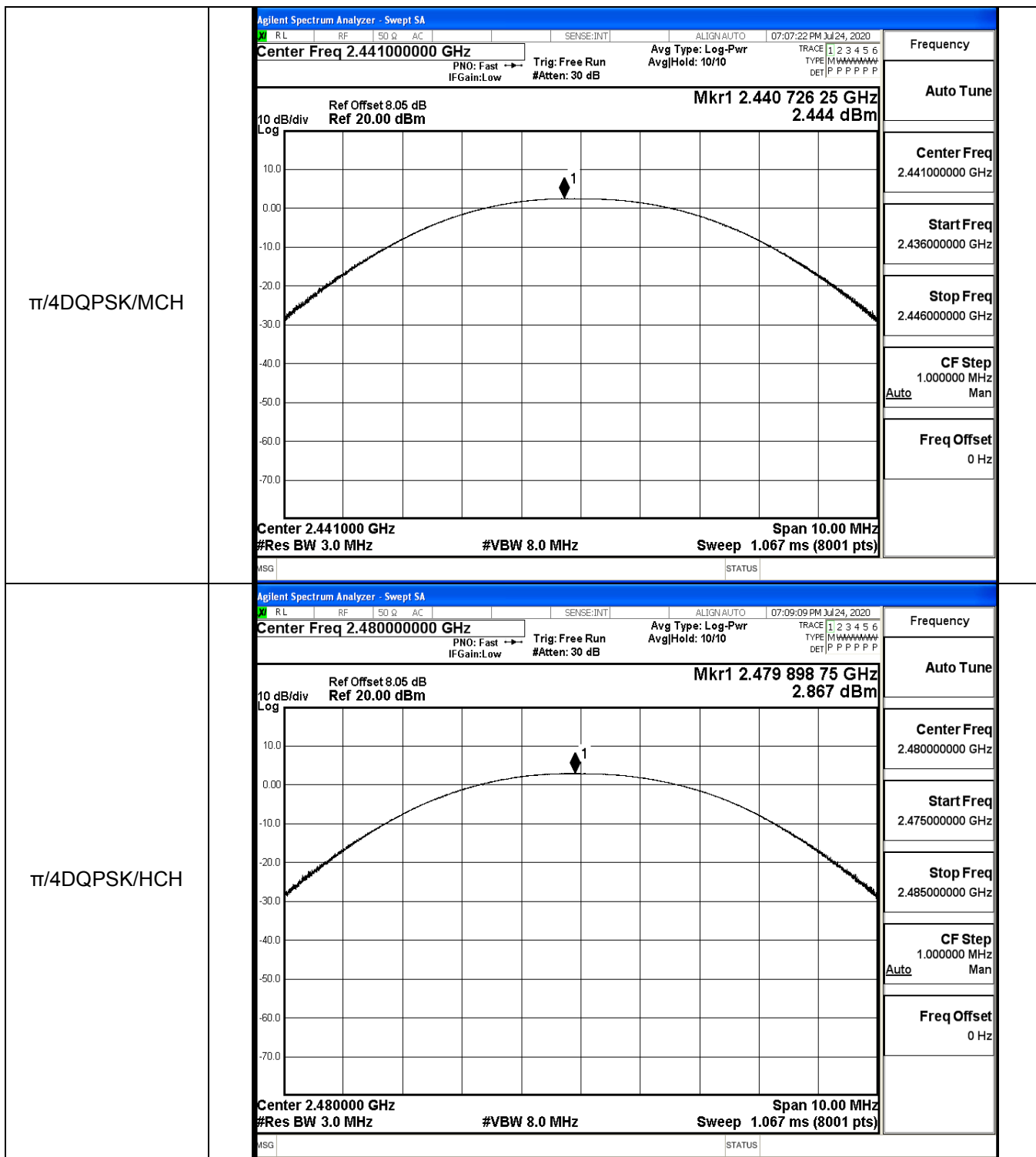


GFSK/MCH

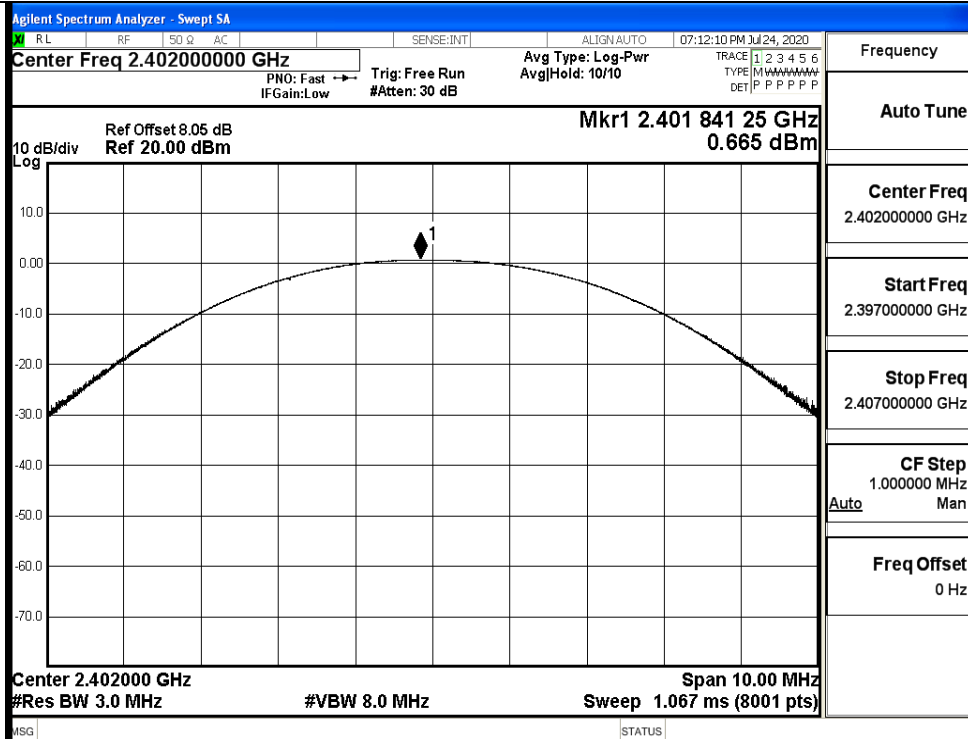


GFSK/HCH

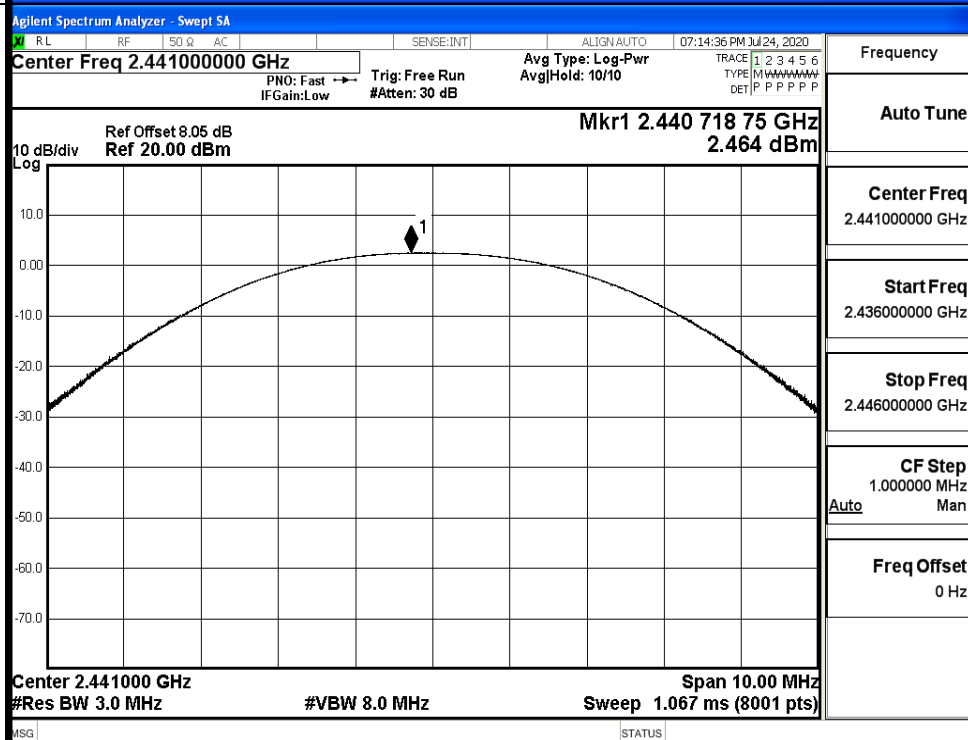
 $\pi/4$ DQPSK/LCH



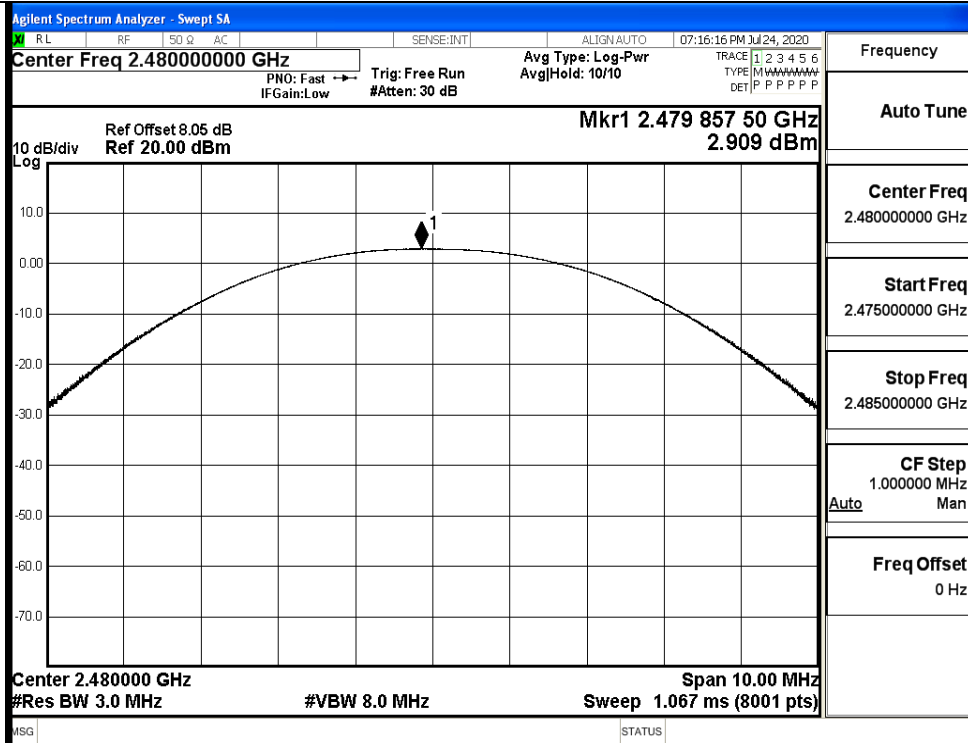
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

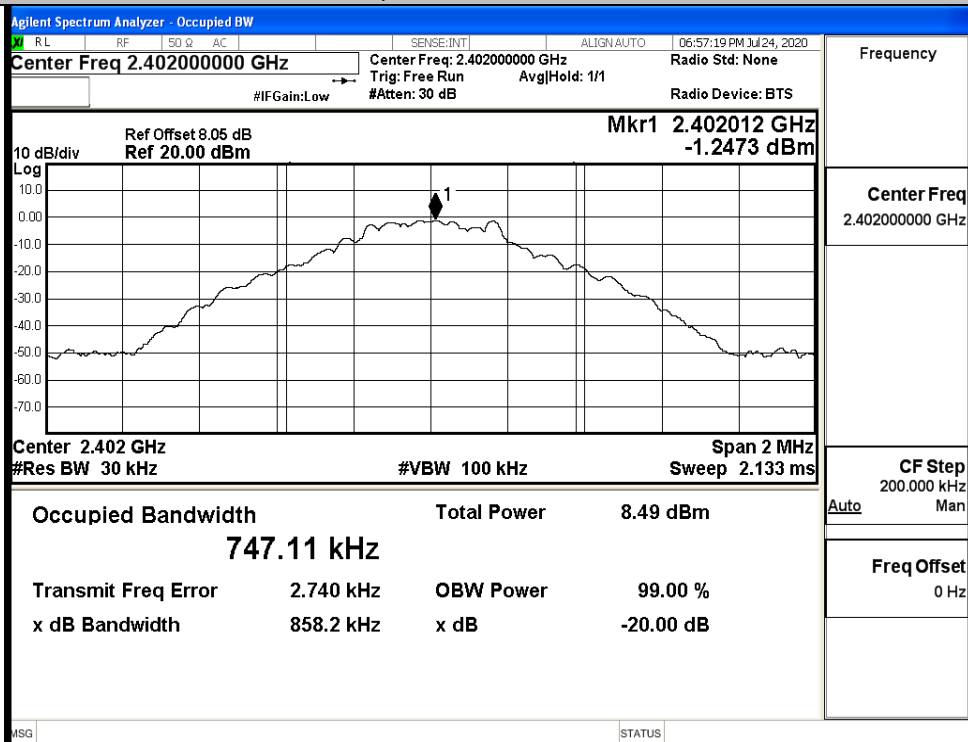


A.2 20dB Bandwidth

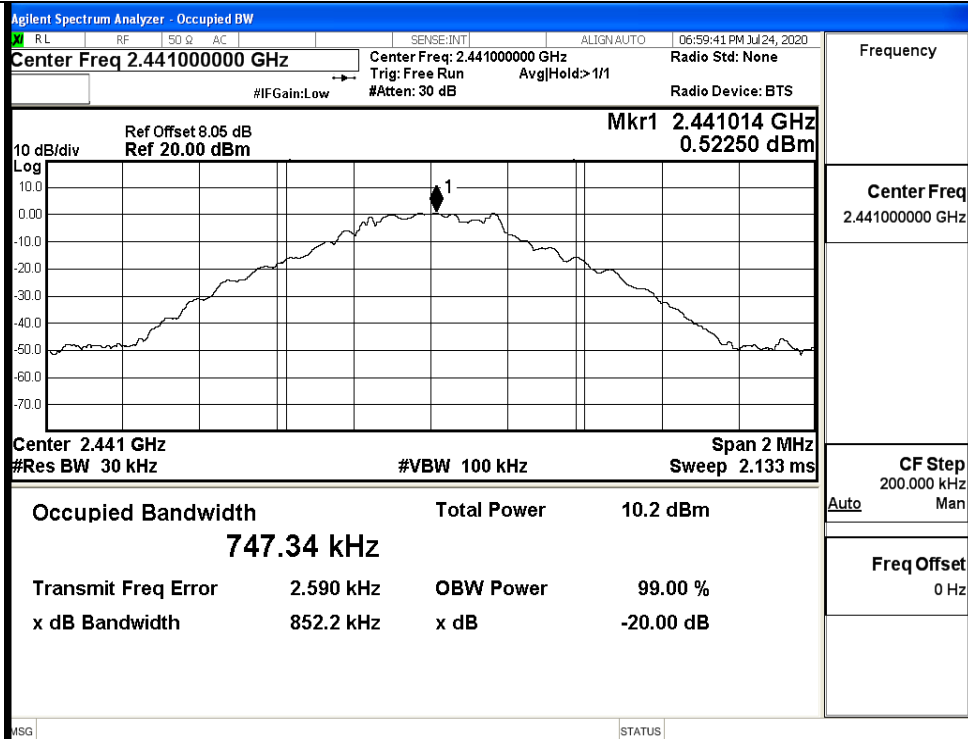
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.8582	Not Specified	PASS
	MCH	0.8522	Not Specified	PASS
	HCH	0.8560	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.274	Not Specified	PASS
	MCH	1.275	Not Specified	PASS
	HCH	1.275	Not Specified	PASS
8DPSK	LCH	1.269	Not Specified	PASS
	MCH	1.271	Not Specified	PASS
	HCH	1.271	Not Specified	PASS

Test Graphs

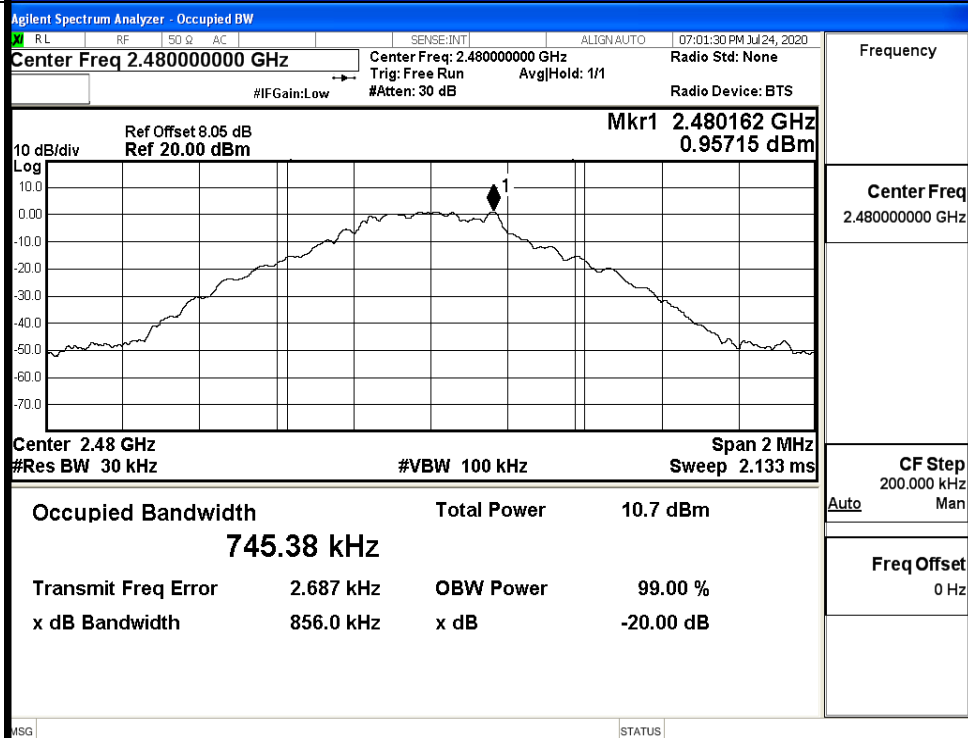
GFSK/LCH

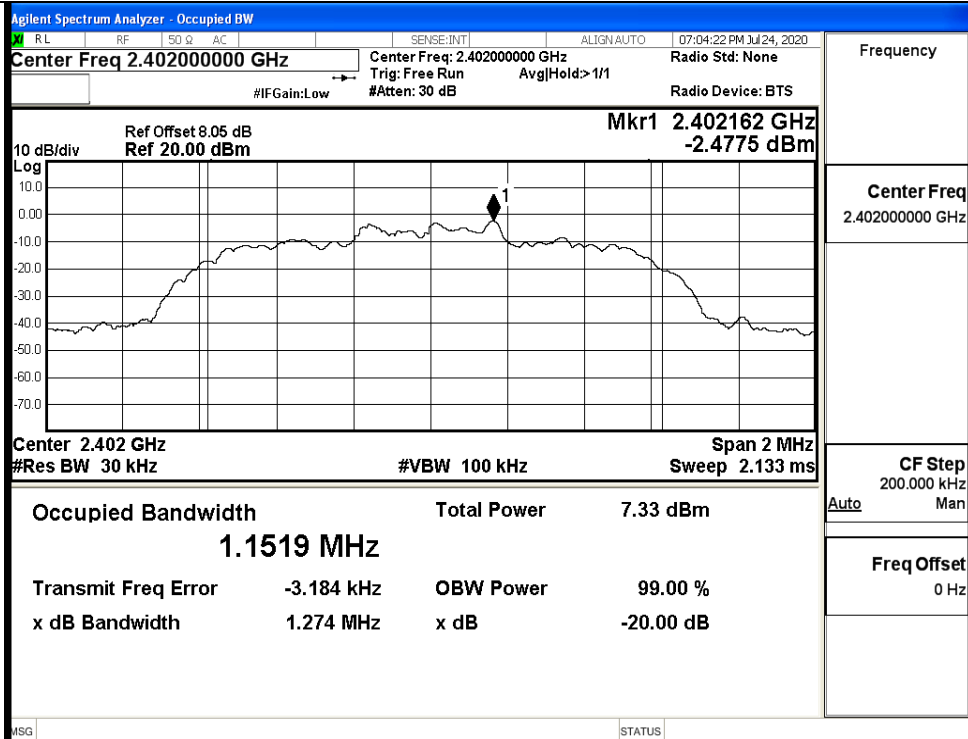
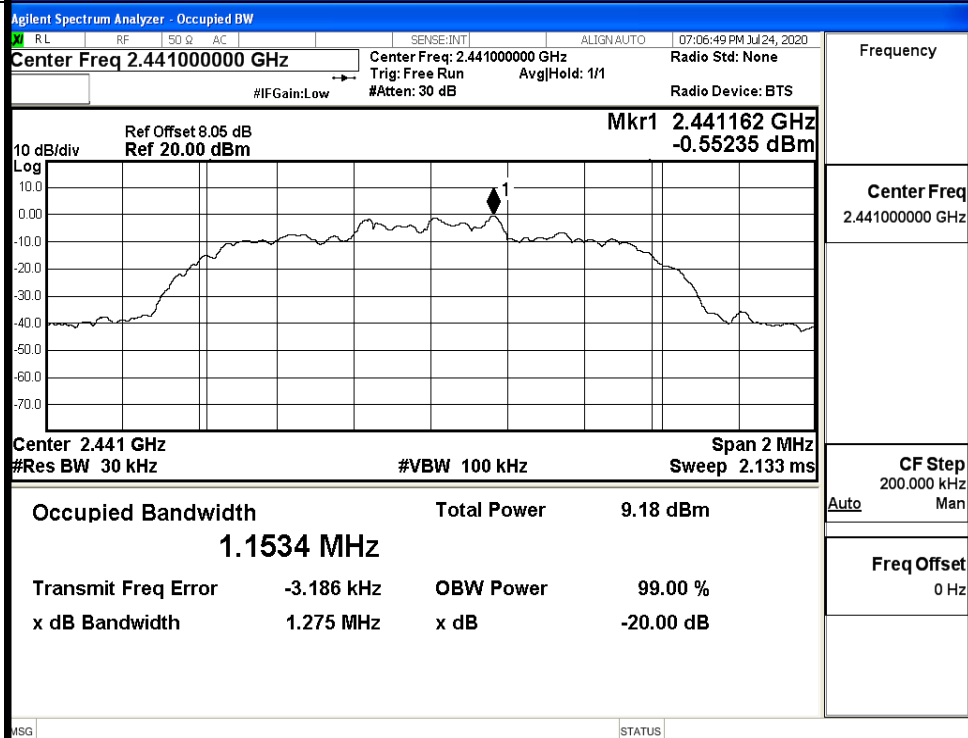


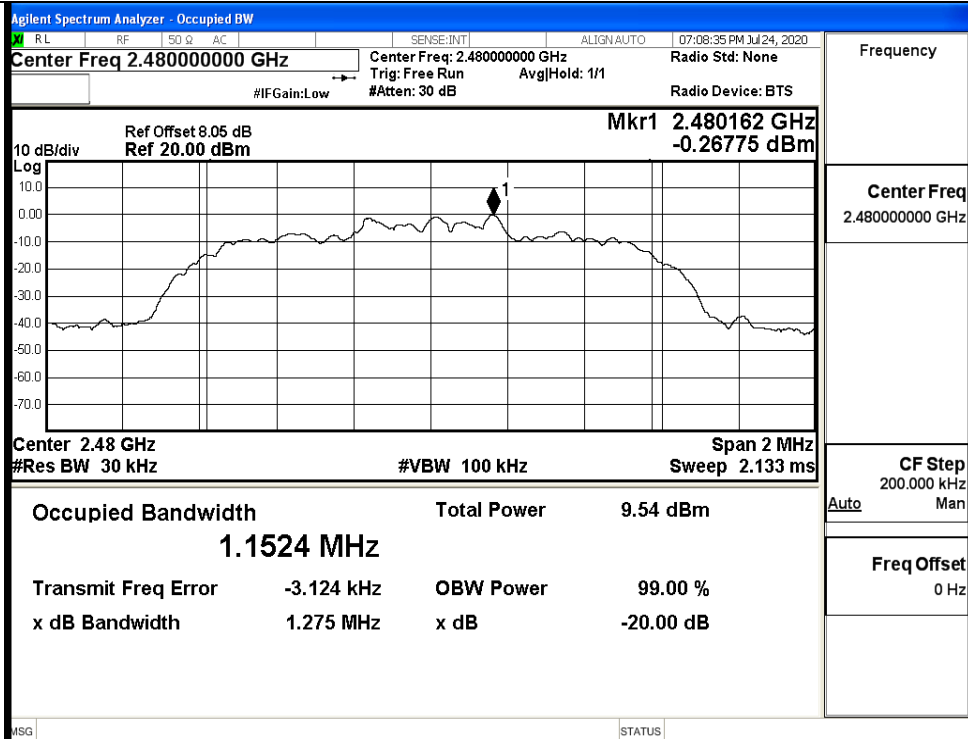
GFSK/MCH



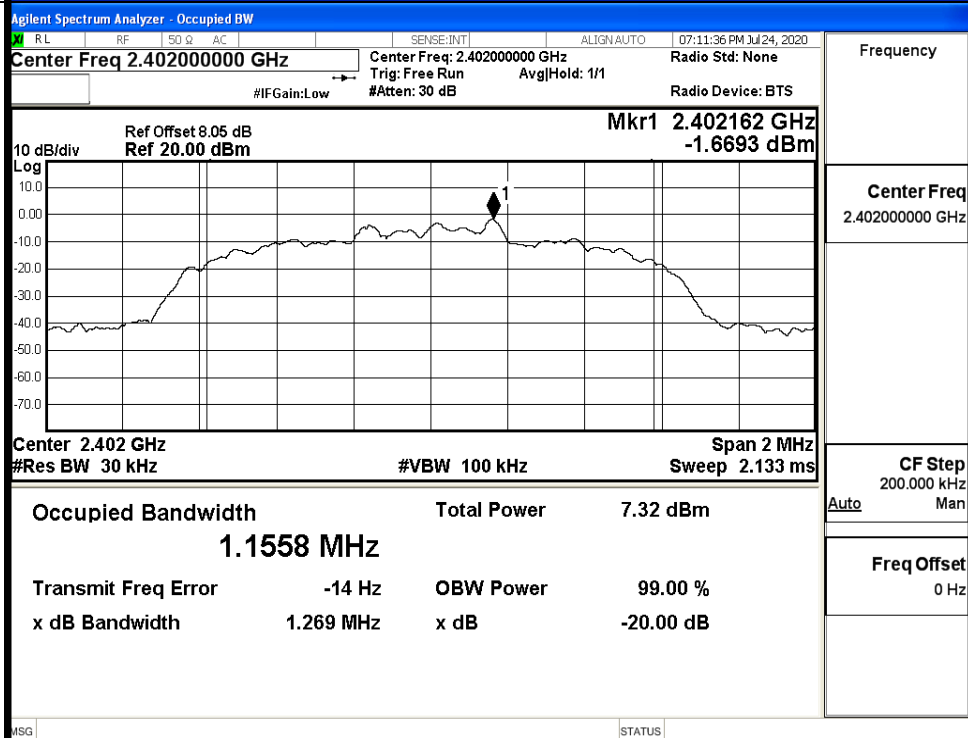
GFSK/HCH



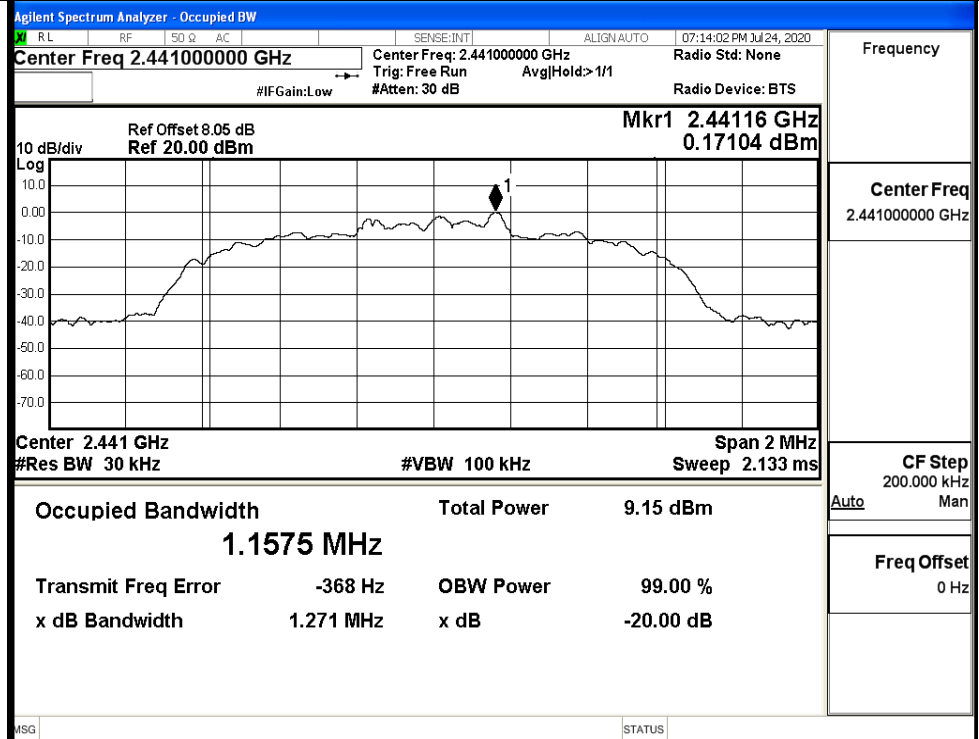
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

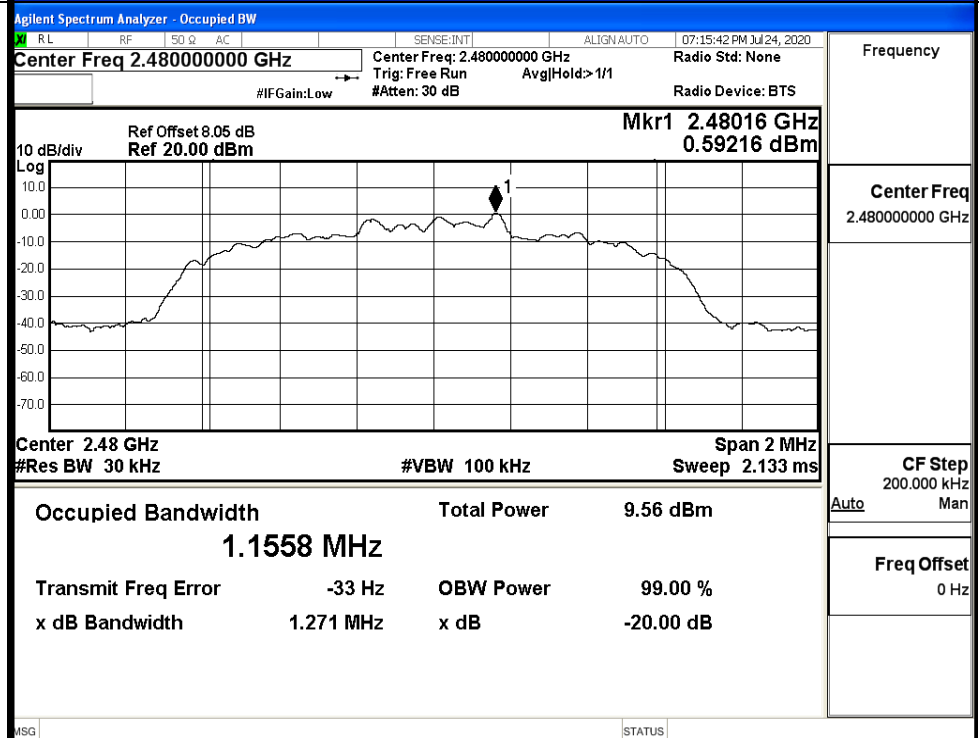
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

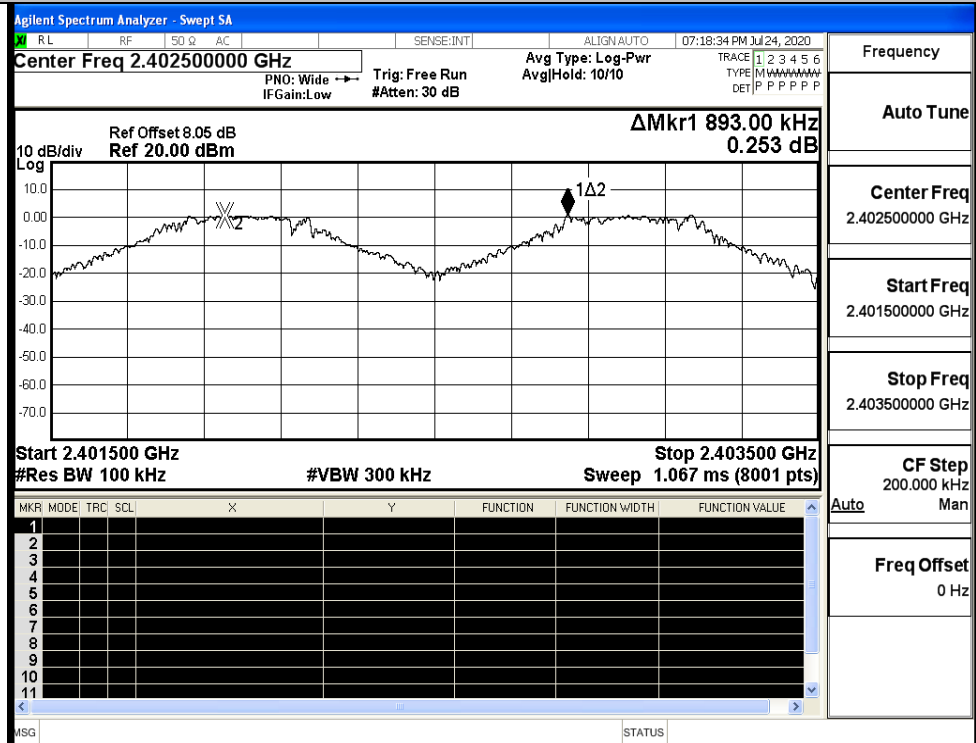


A.3 Carrier Frequency Separation

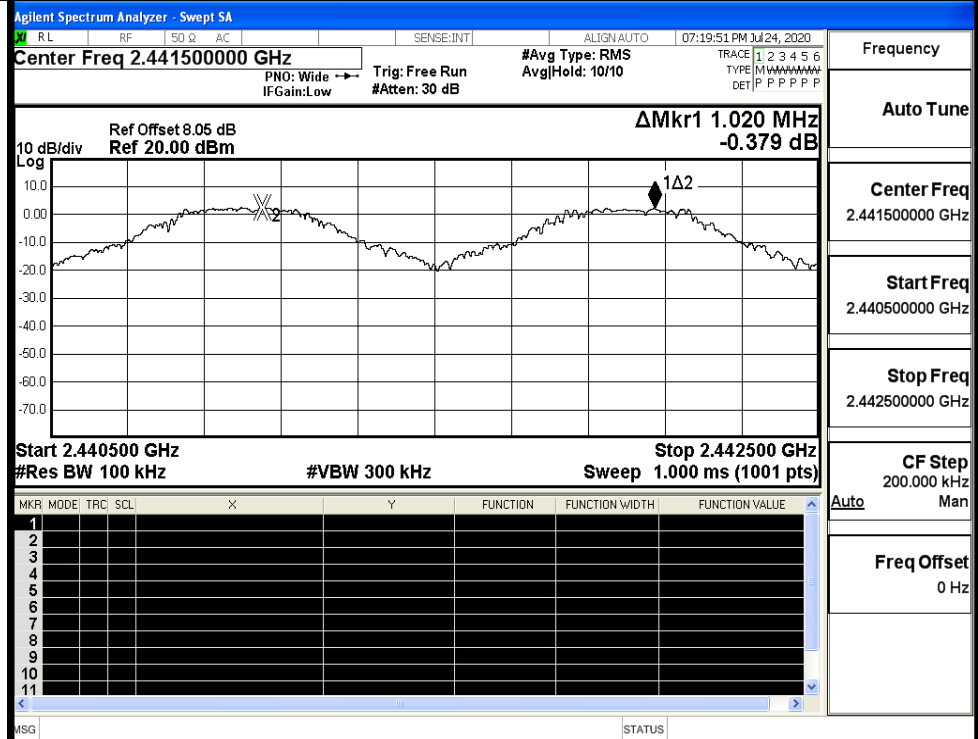
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.893	0.572	PASS
	MCH	1.020	0.572	PASS
	HCH	0.998	0.572	PASS
π /4DQPSK	LCH	1.002	0.850	PASS
	MCH	0.984	0.850	PASS
	HCH	1.264	0.850	PASS
8DPSK	LCH	1.212	0.847	PASS
	MCH	1.032	0.847	PASS
	HCH	0.930	0.847	PASS

Test Graphs

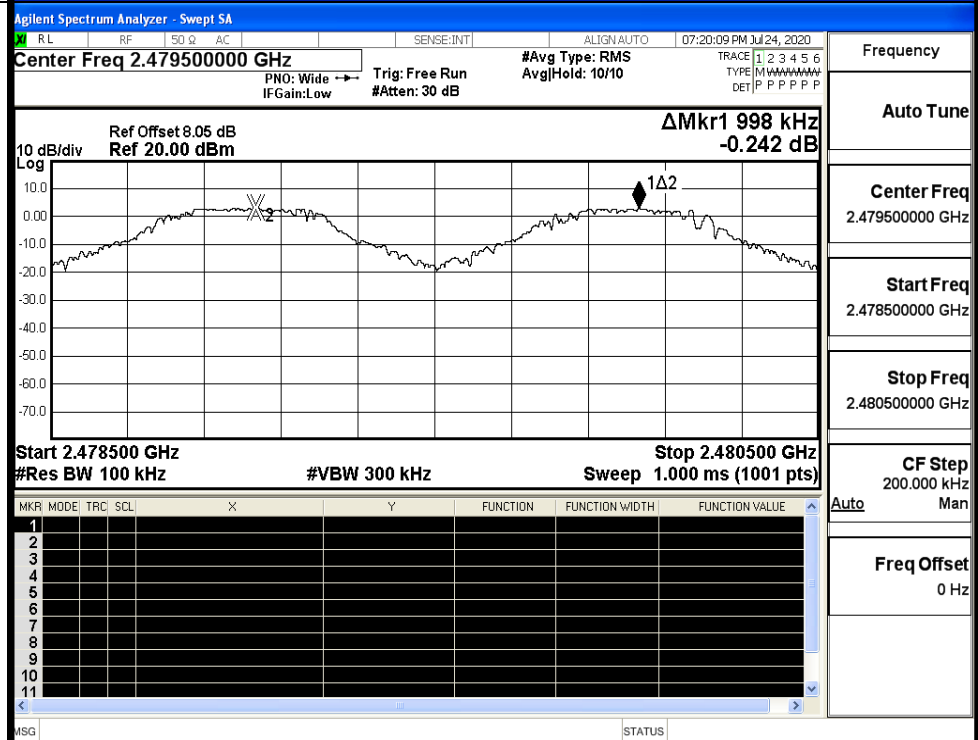
GFSK/LCH

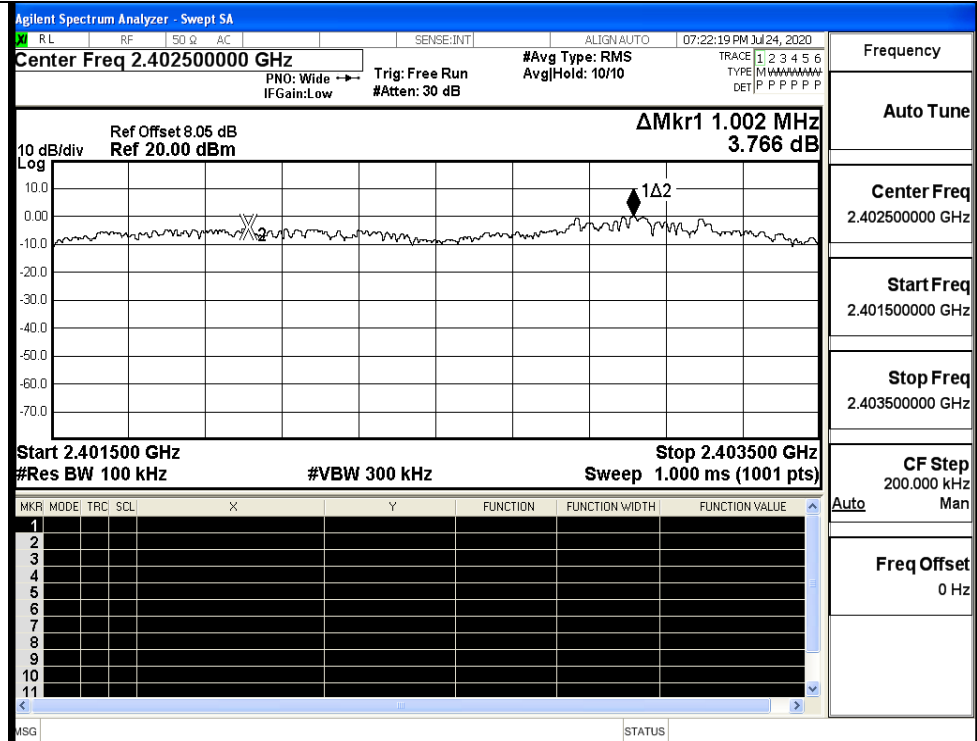
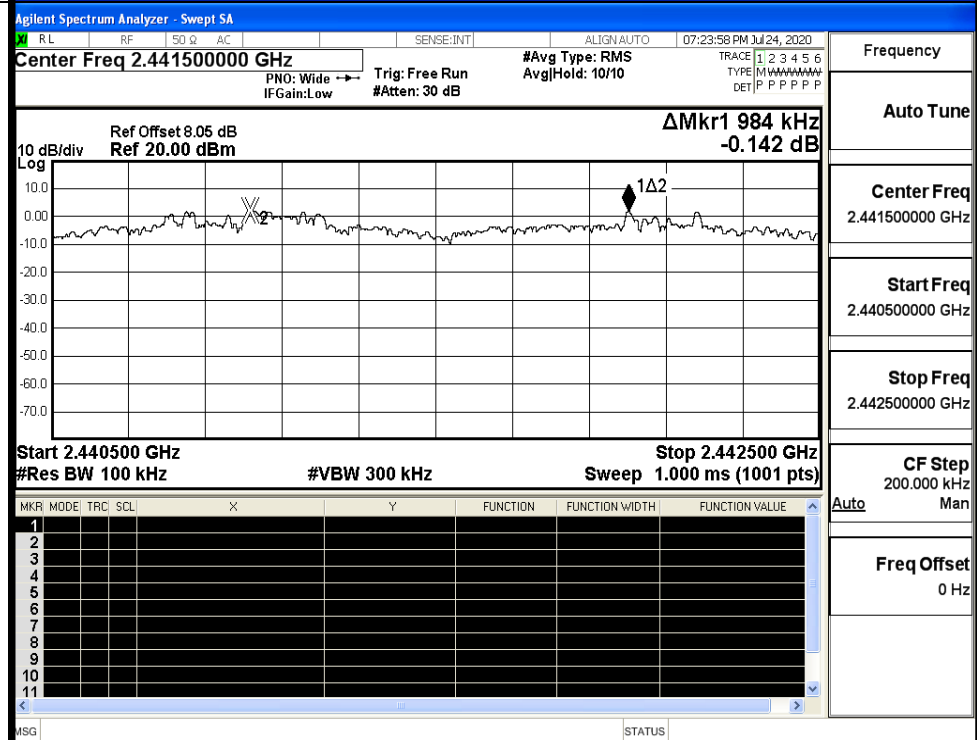


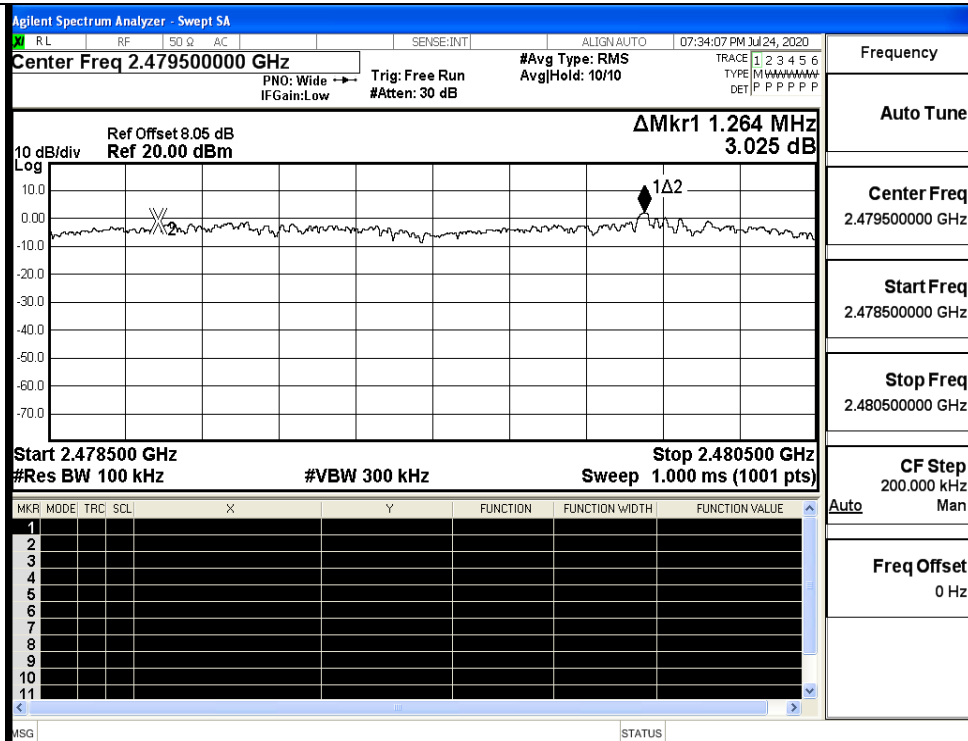
GFSK/MCH



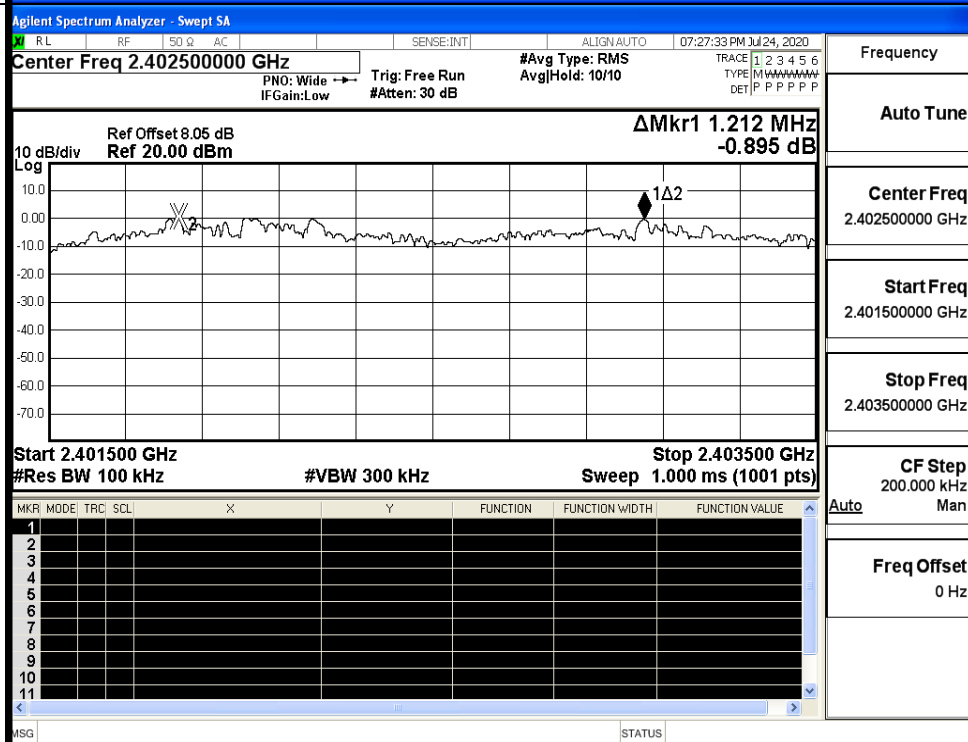
GFSK/HCH



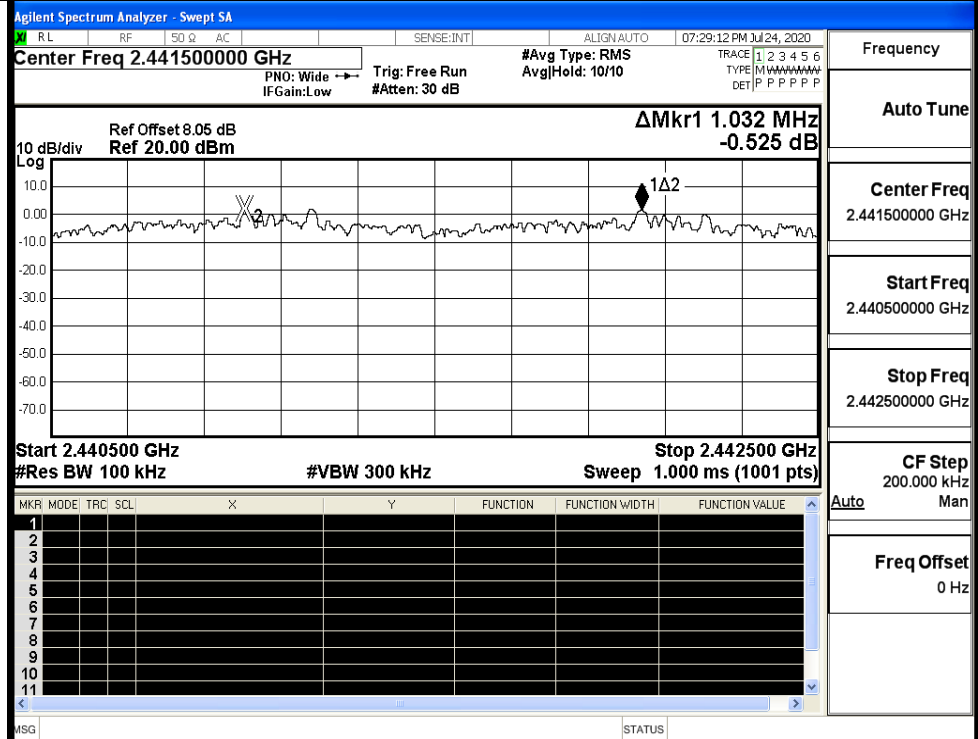
$\pi/4$ DQPSK/LCH $\pi/4$ DQPSK/MCH

$\pi/4$ DQPSK/HCH

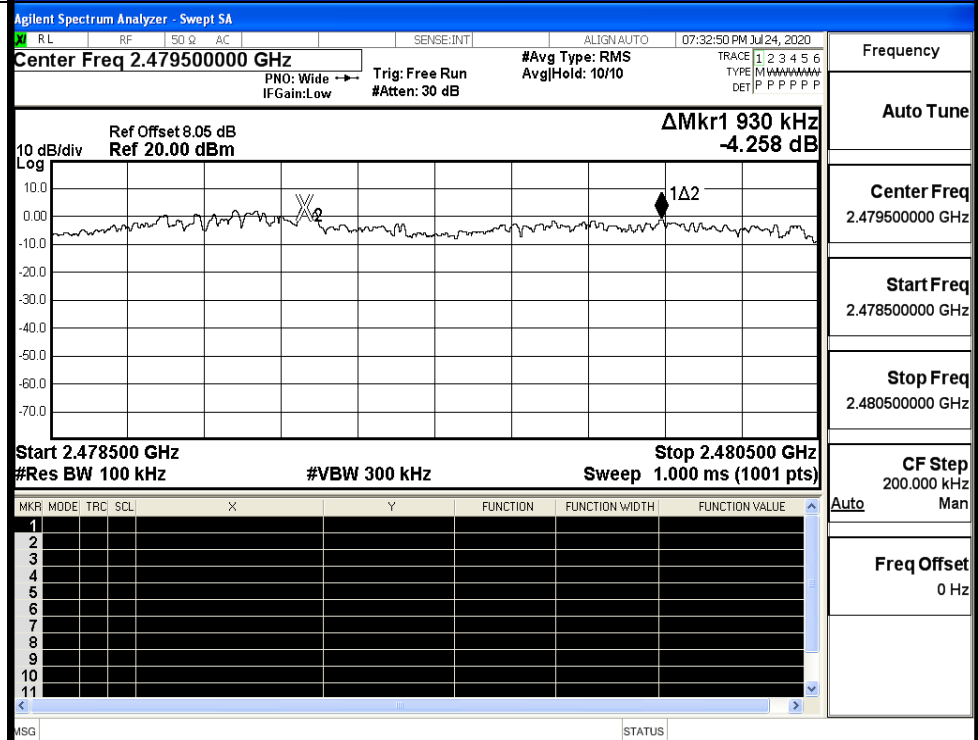
8DPSK/LCH



8DPSK/MCH



8DPSK/HCH

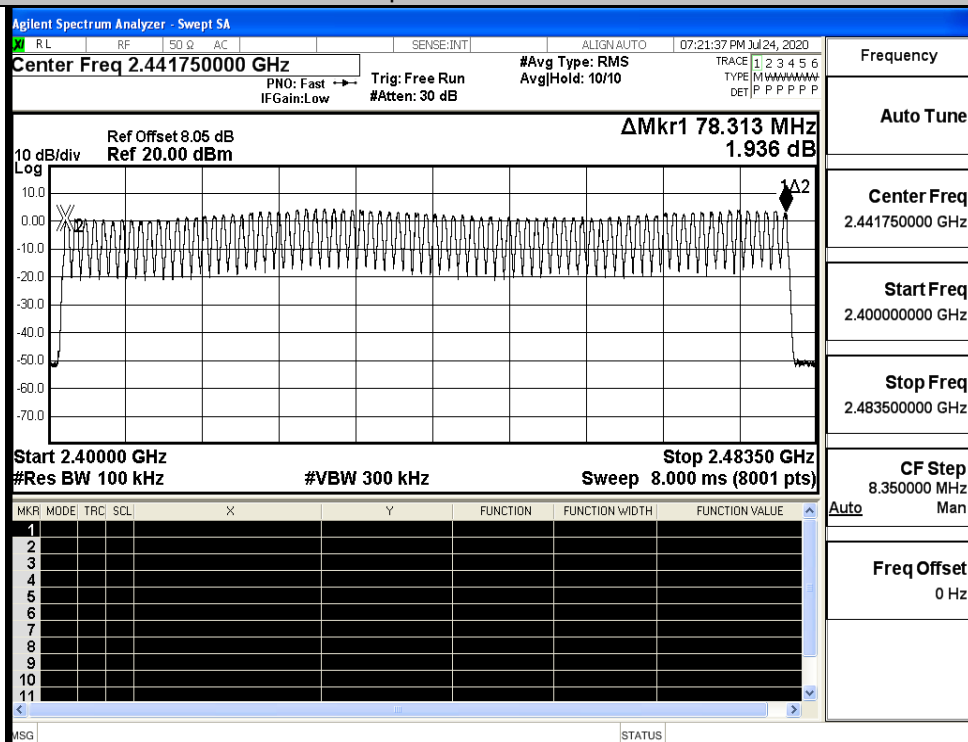
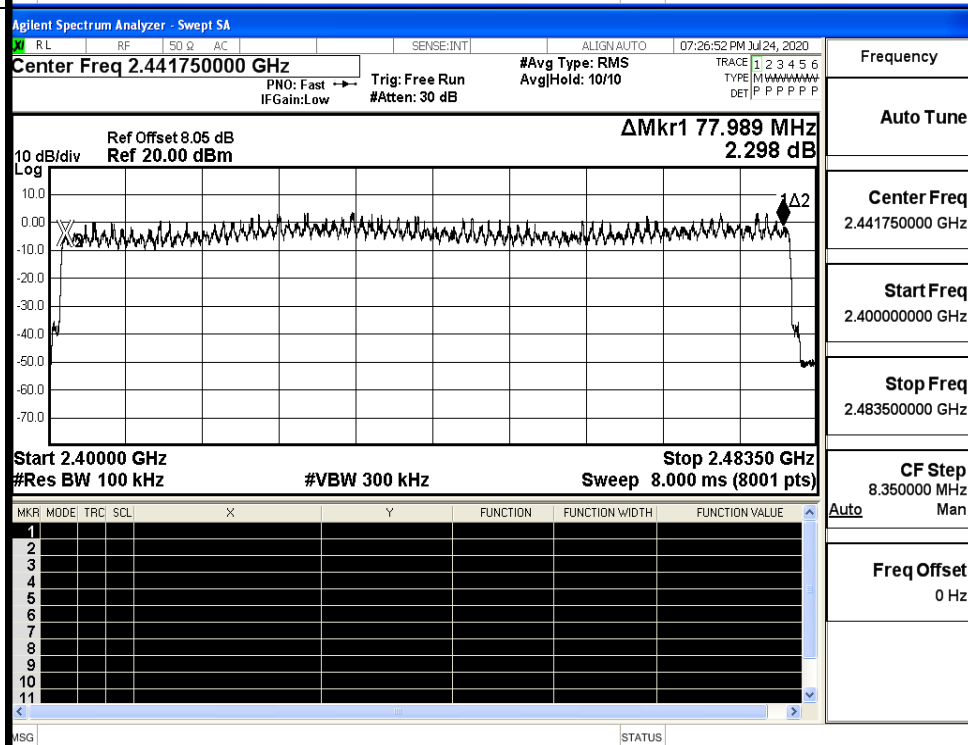


A.4 Hopping Channel Number

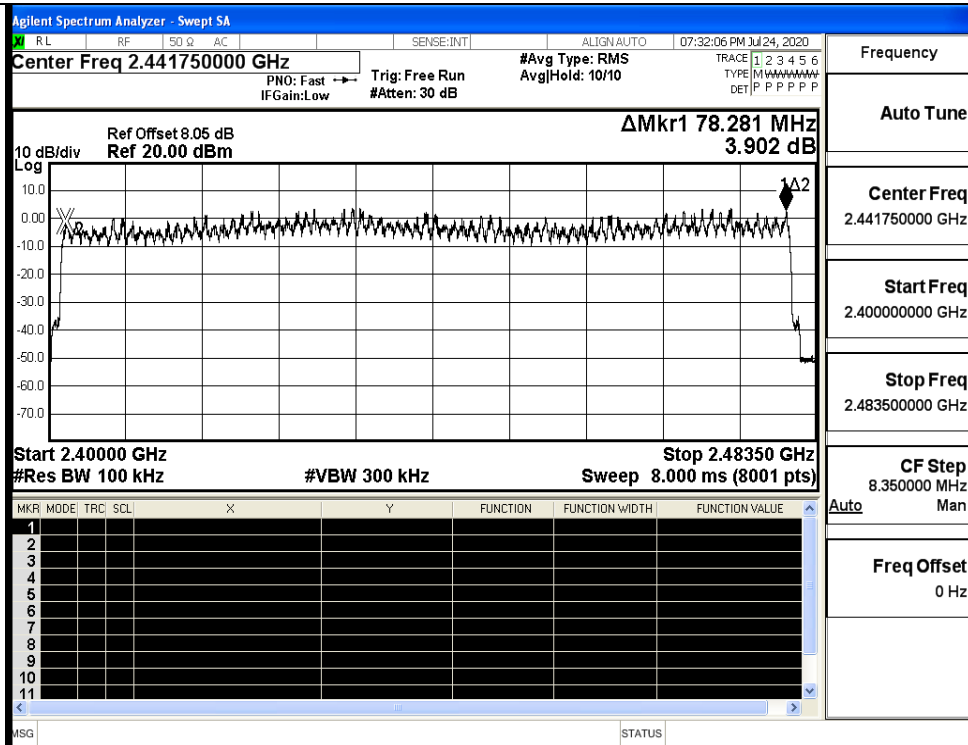
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	>=15	PASS
$\pi/4$ DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

Test Graphs

GFSK/Hop

 $\pi/4$ DQPSK/Hop

8DPSK/Hop

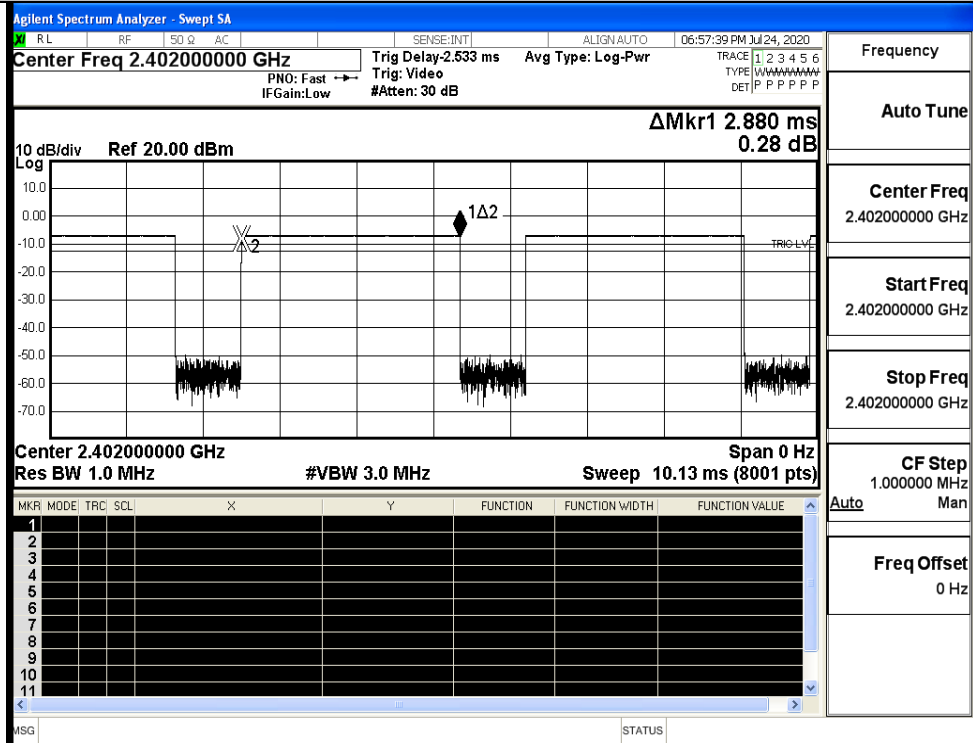


A.5 Dwell Time

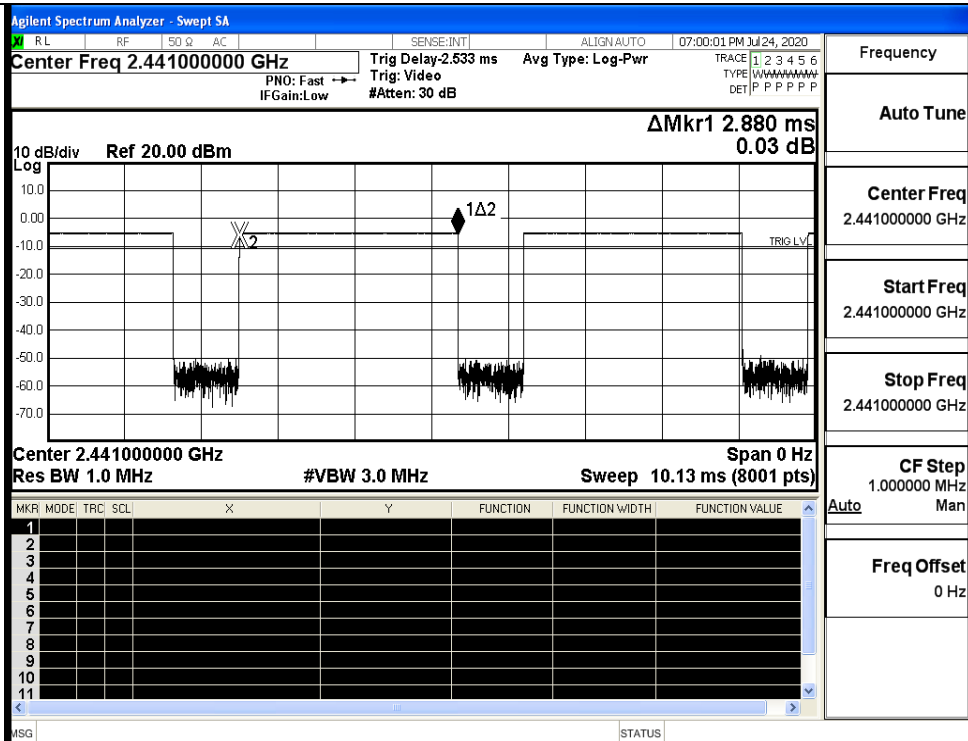
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.88	106.7	0.307	0.4	PASS
	DH5	MCH	2.88	106.7	0.307	0.4	PASS
	DH5	HCH	2.88	106.7	0.307	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.88	106.7	0.307	0.4	PASS
	2DH5	MCH	2.88	106.7	0.307	0.4	PASS
	2DH5	HCH	2.88	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.88	106.7	0.308	0.4	PASS
	3DH5	MCH	2.88	106.7	0.308	0.4	PASS
	3DH5	HCH	2.88	106.7	0.308	0.4	PASS

Test Graphs

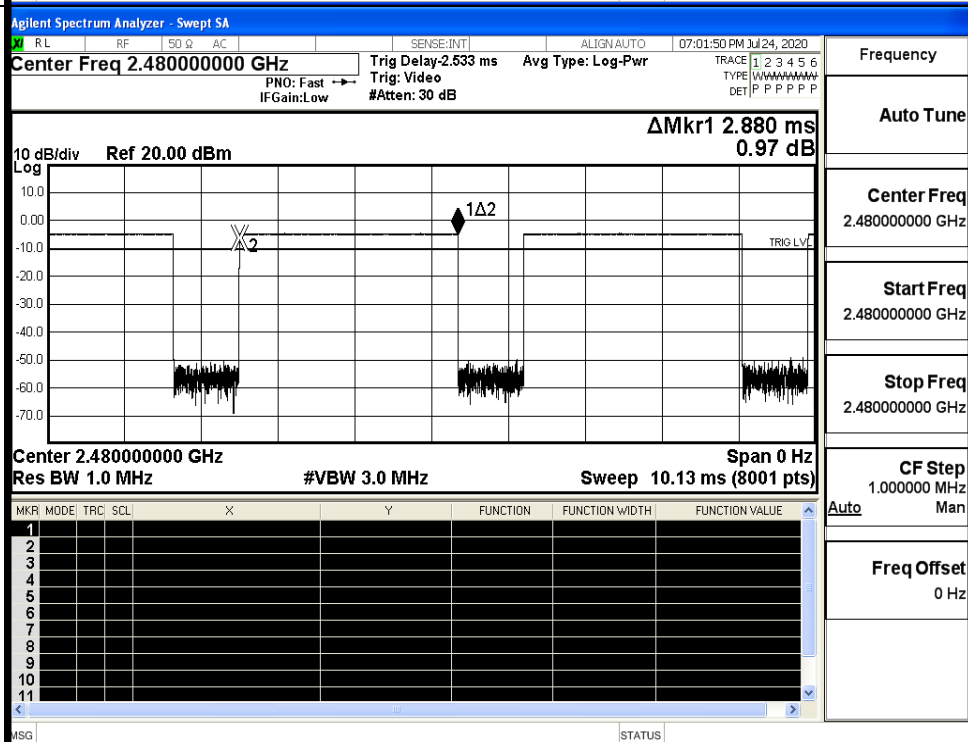
GFSK_DH5/LCH



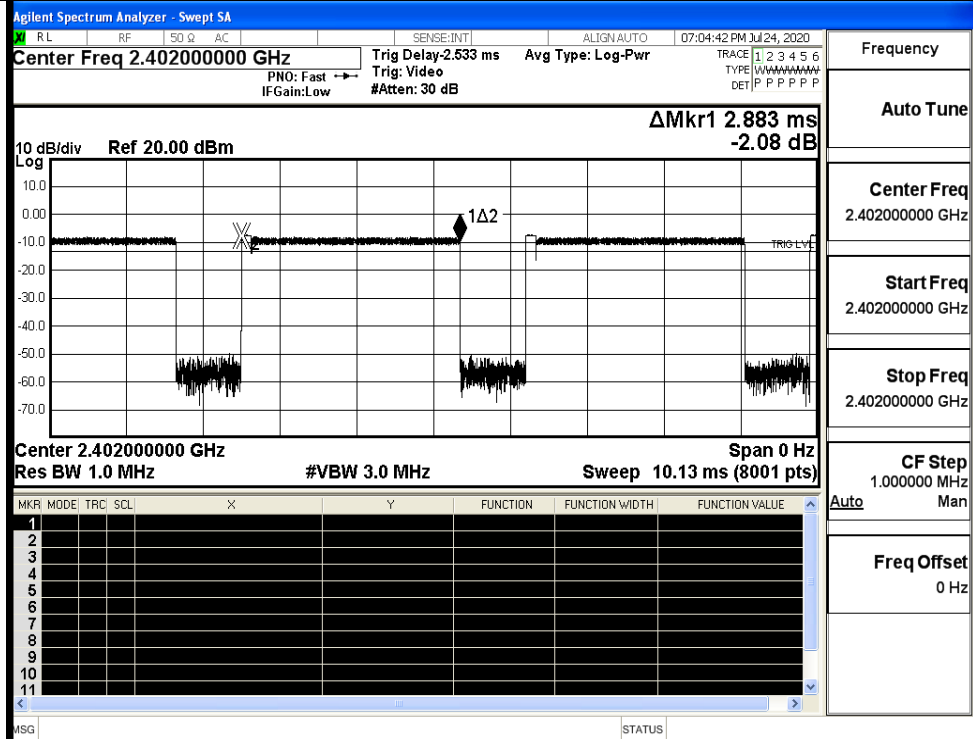
GFSK_DH5/MCH



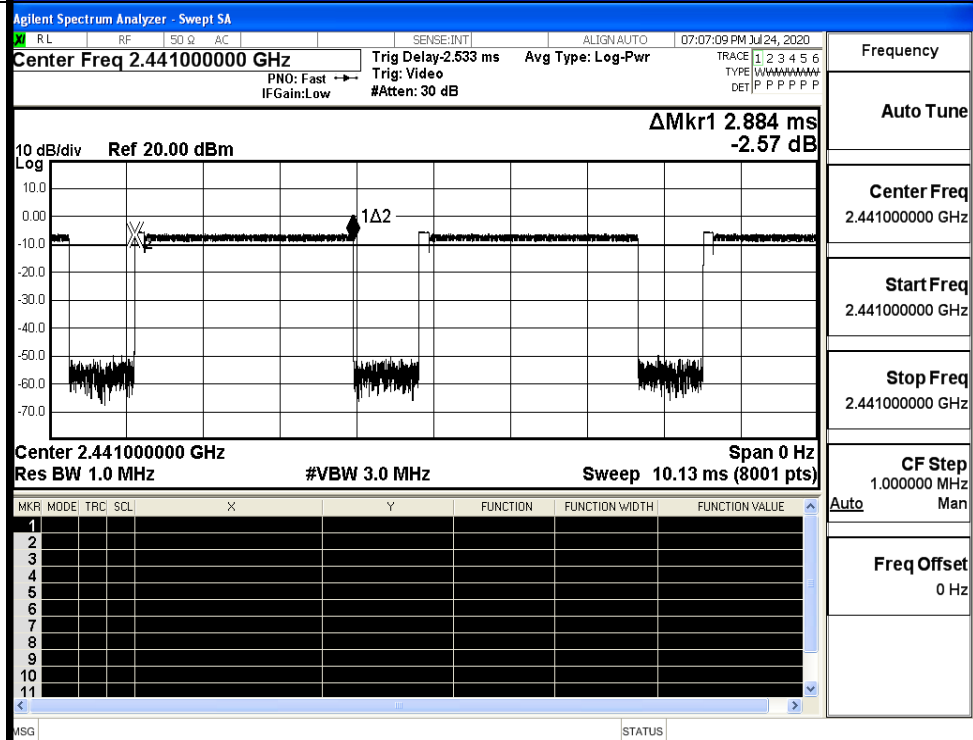
GFSK_DH5/HCH



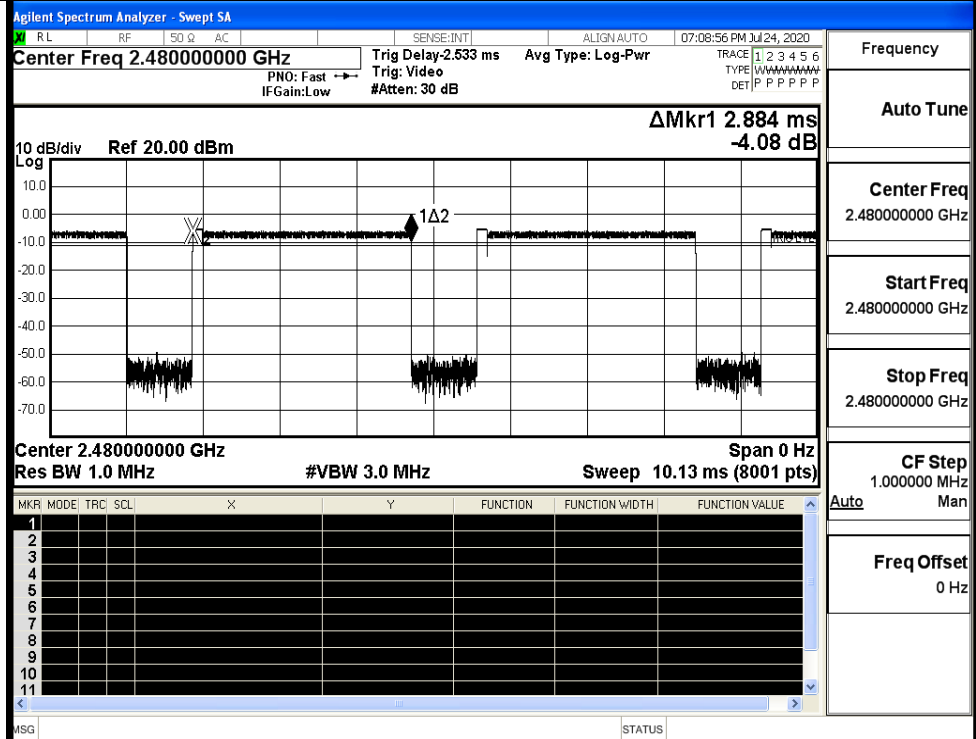
$\pi/4$ DQPSK
_2DH5/LCH



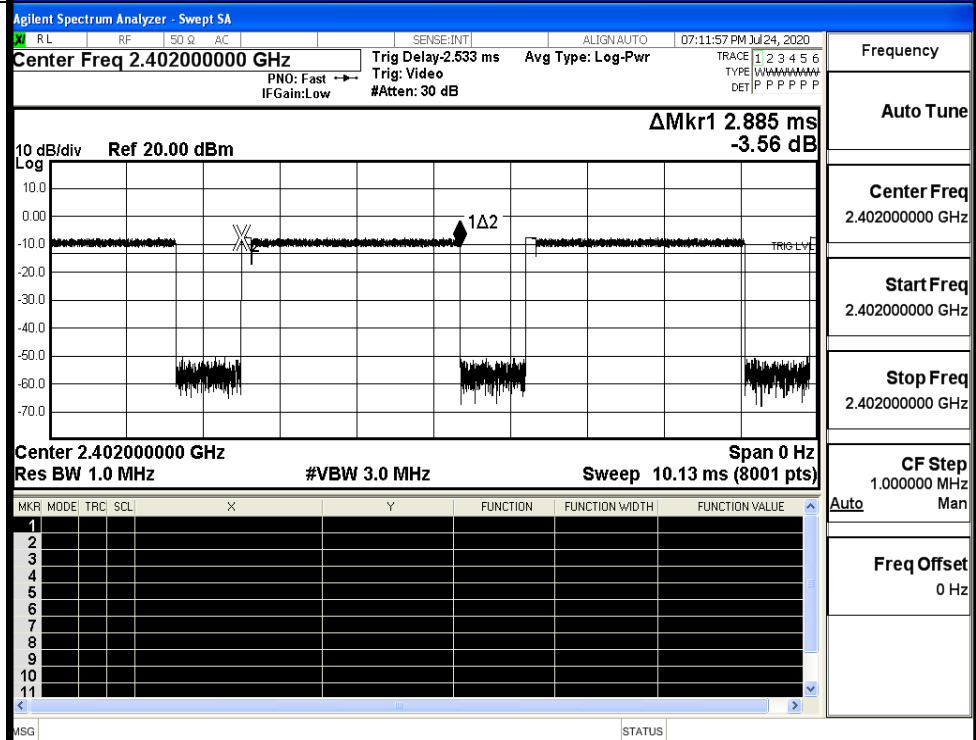
$\pi/4$ DQPSK
_2DH5/MCH



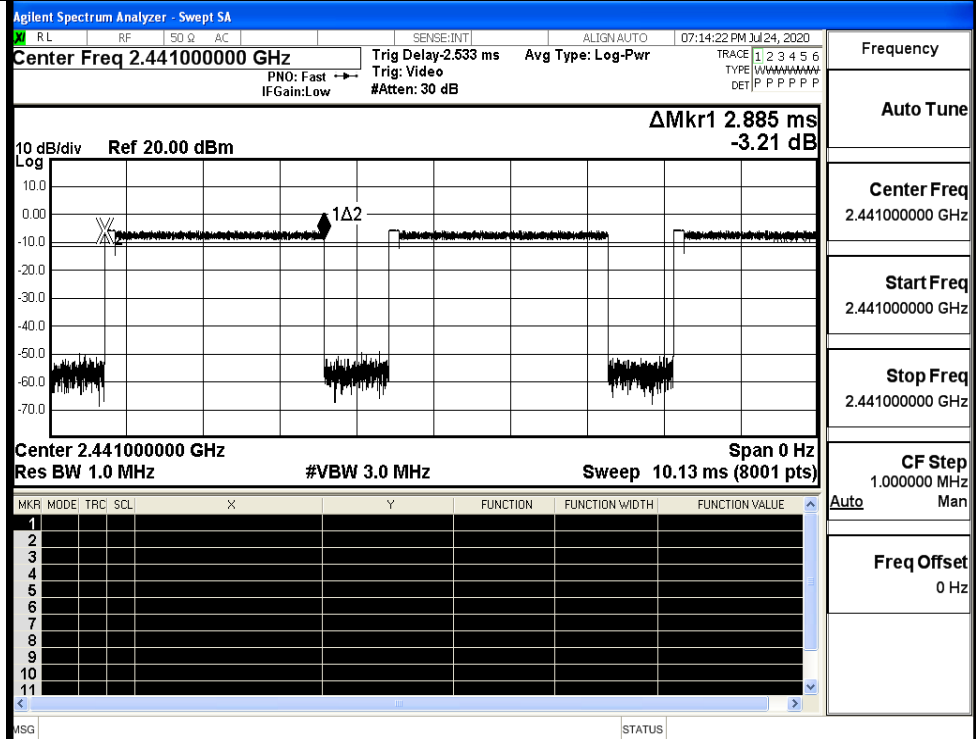
$\pi/4$ DQPSK
_2DH5/HCH



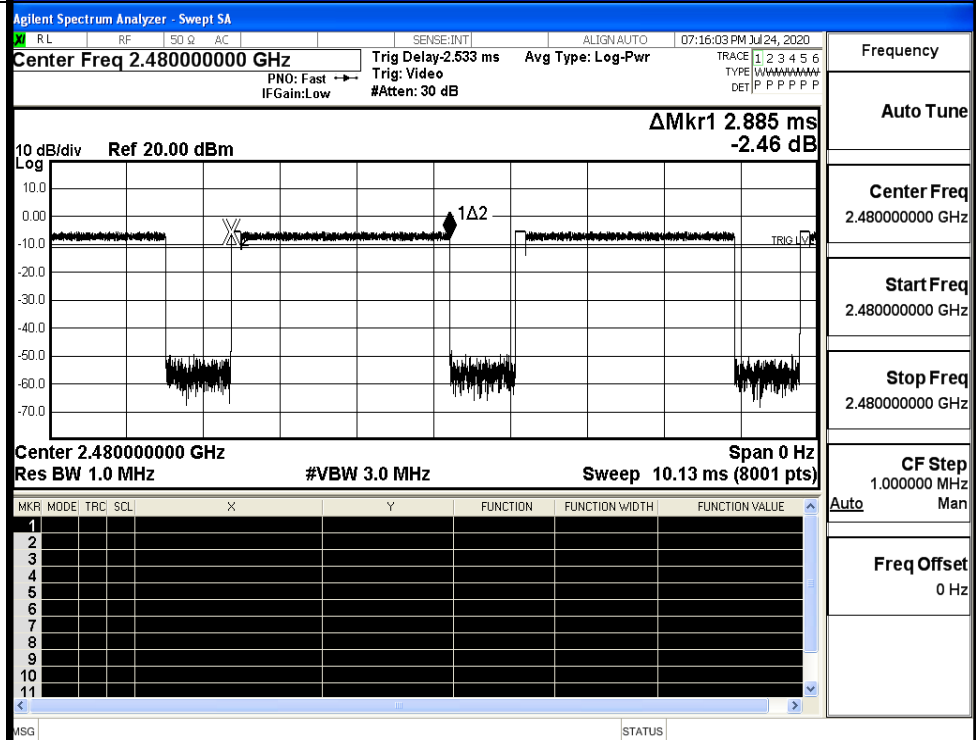
8DPSK_3DH5/LCH



8DPSK_3DH5/MCH



8DPSK_3DH5/HCH

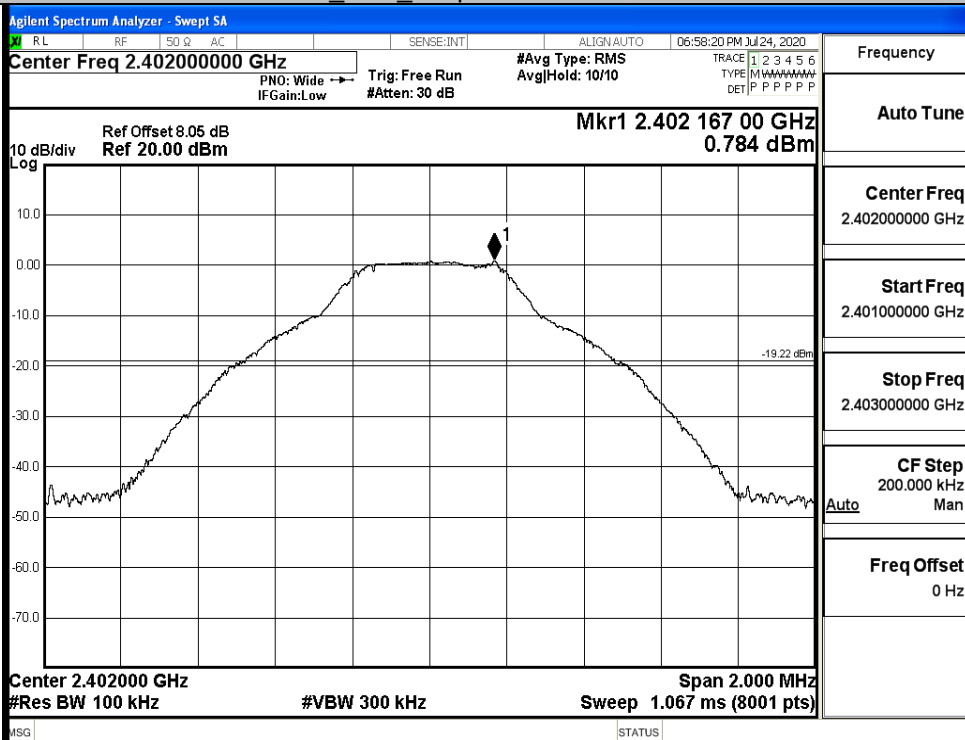


A.6 RF Conducted Spurious Emissions

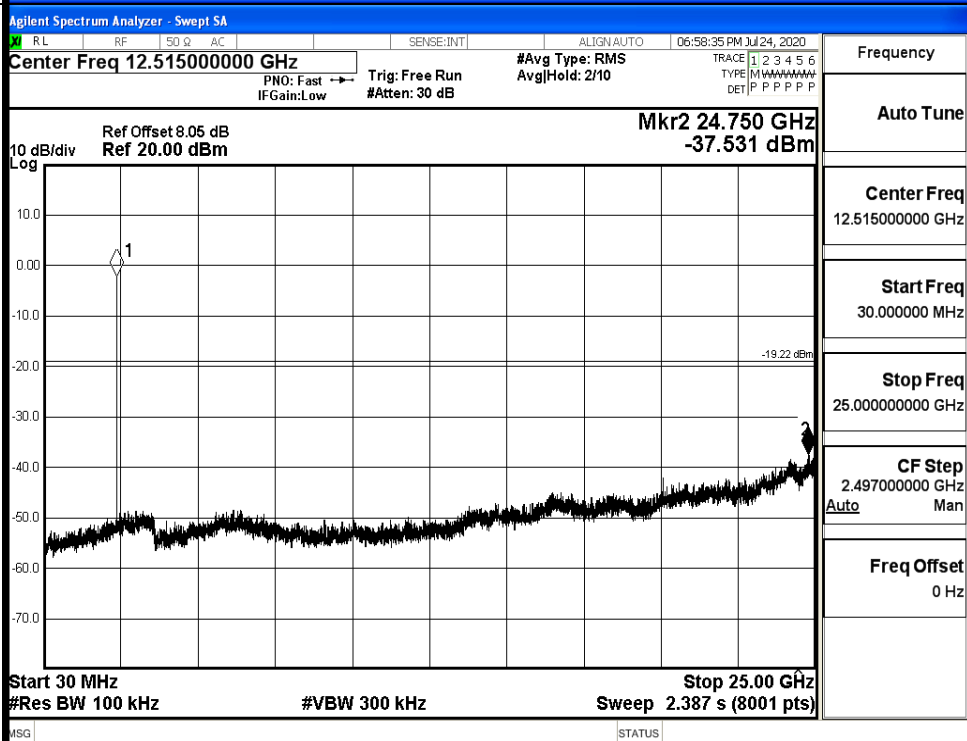
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	0.784	-37.531	-19.216	PASS
	MCH	2.484	-36.637	-17.516	PASS
	HCH	3.021	-37.295	-16.979	PASS
$\pi/4$ DQPSK	LCH	0.457	-38.085	-19.543	PASS
	MCH	2.237	-37.691	-17.763	PASS
	HCH	1.995	-37.590	-18.005	PASS
8DPSK	LCH	0.417	-38.079	-19.583	PASS
	MCH	2.237	-37.953	-17.763	PASS
	HCH	1.998	-38.013	-18.002	PASS

GFSK_LCH_Graphs

Pref

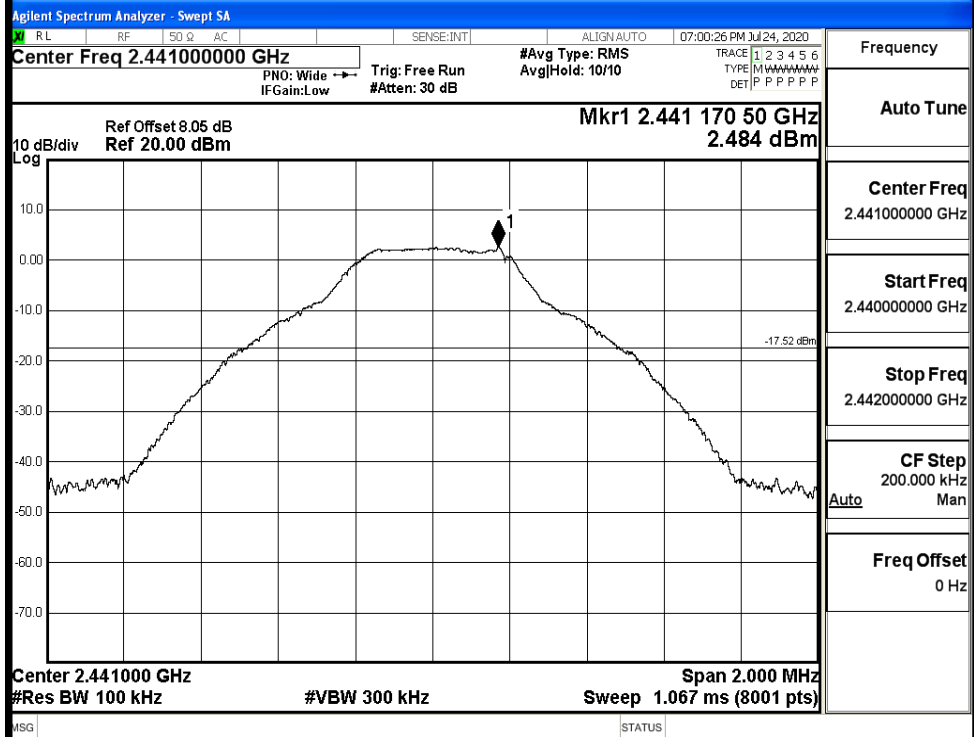


Puw

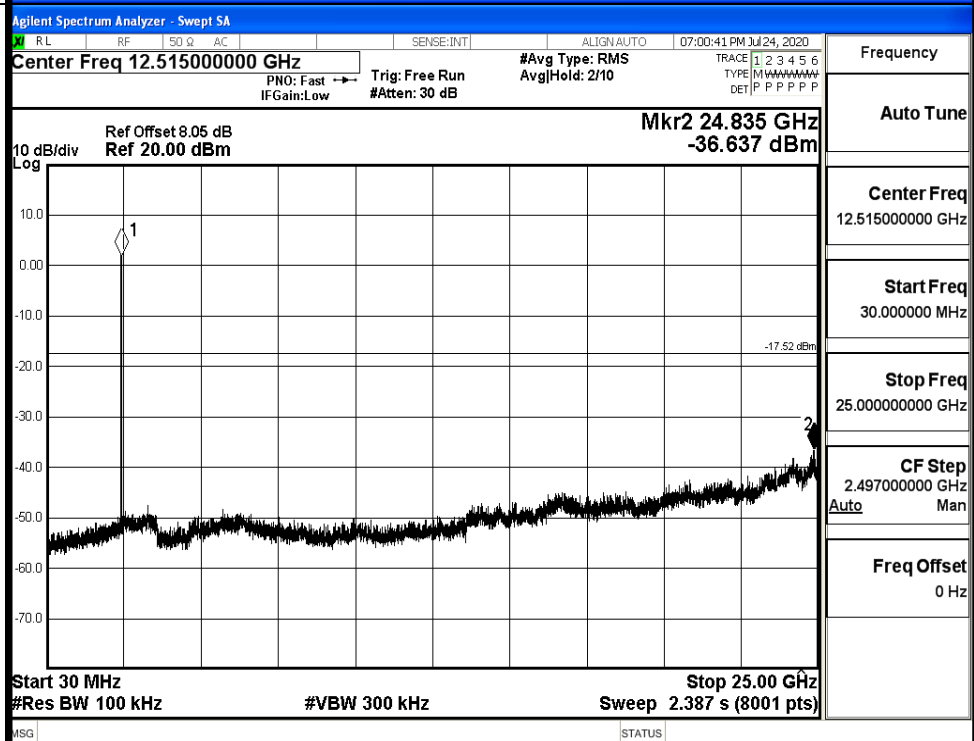


GFSK_MCH_Graphs

Pref

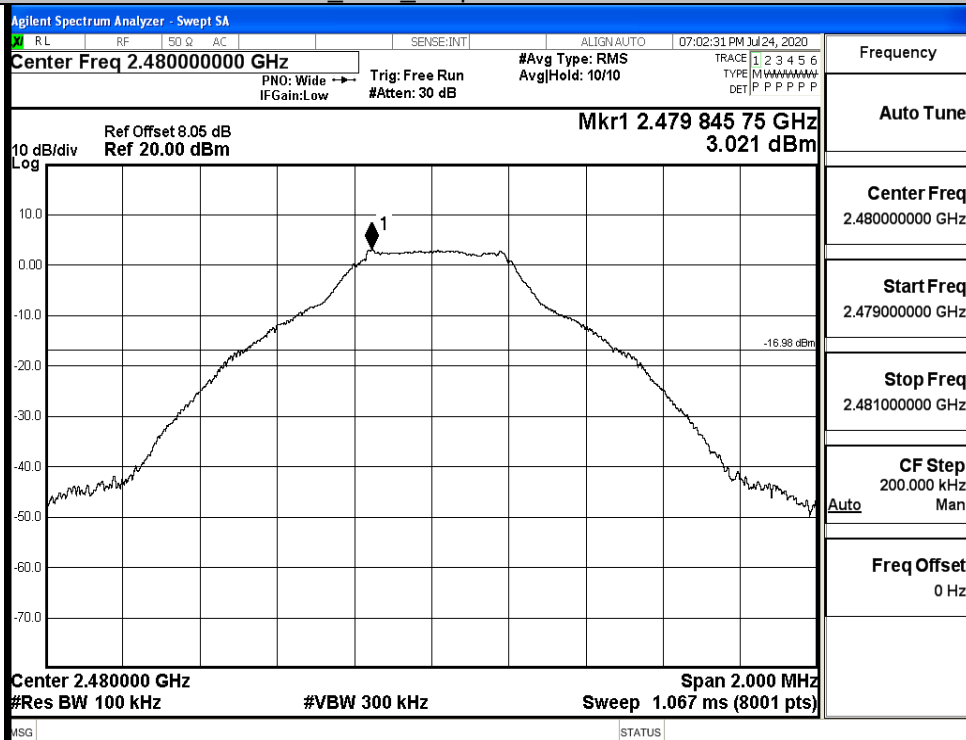


Puw

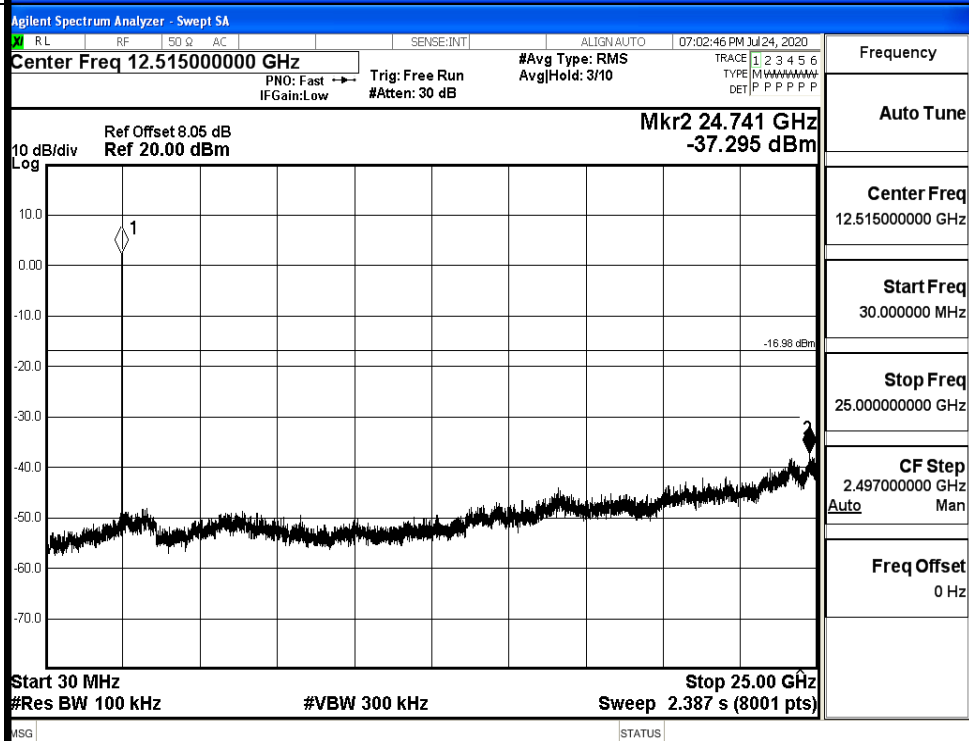


GFSK_HCH_Graphs

Pref

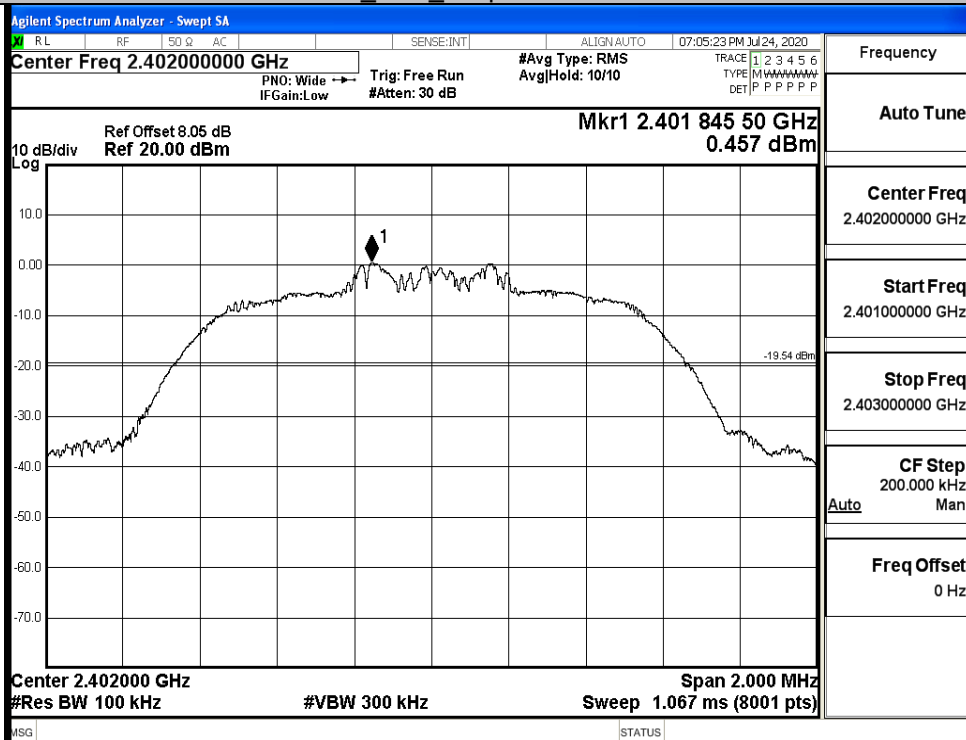


Puw

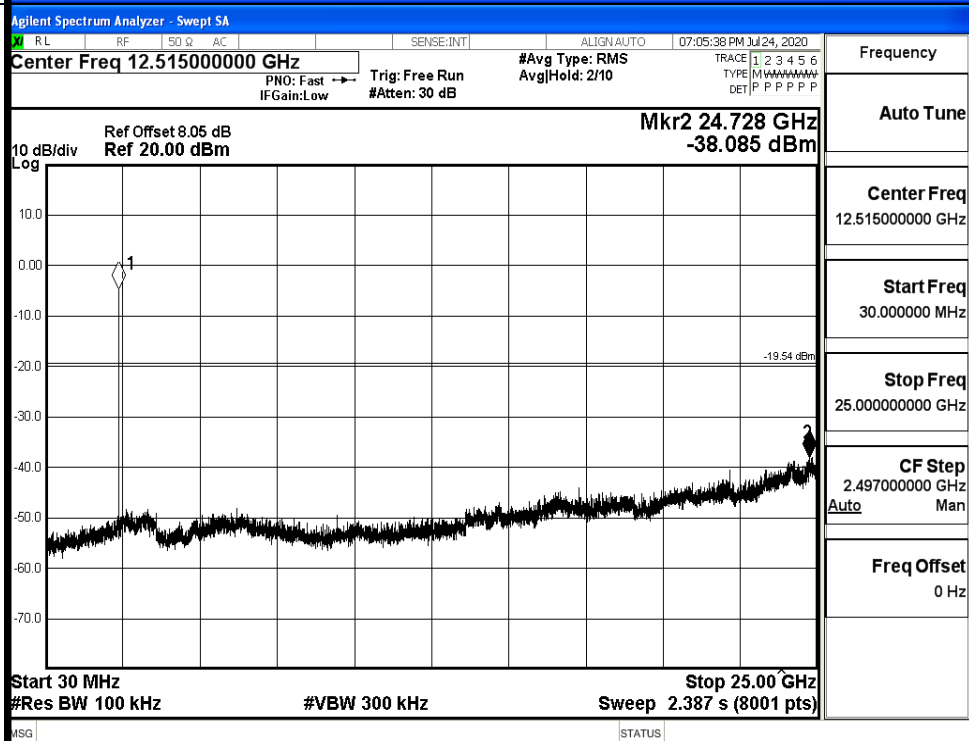


$\pi/4$ DQPSK_LCH_Graphs

Pref

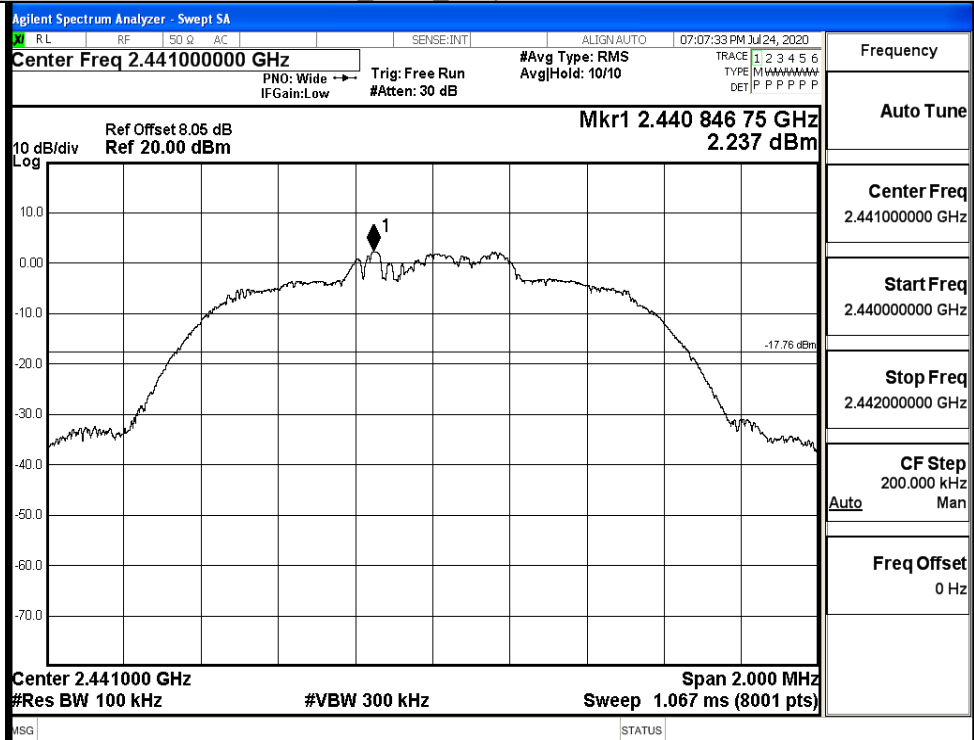


Puw

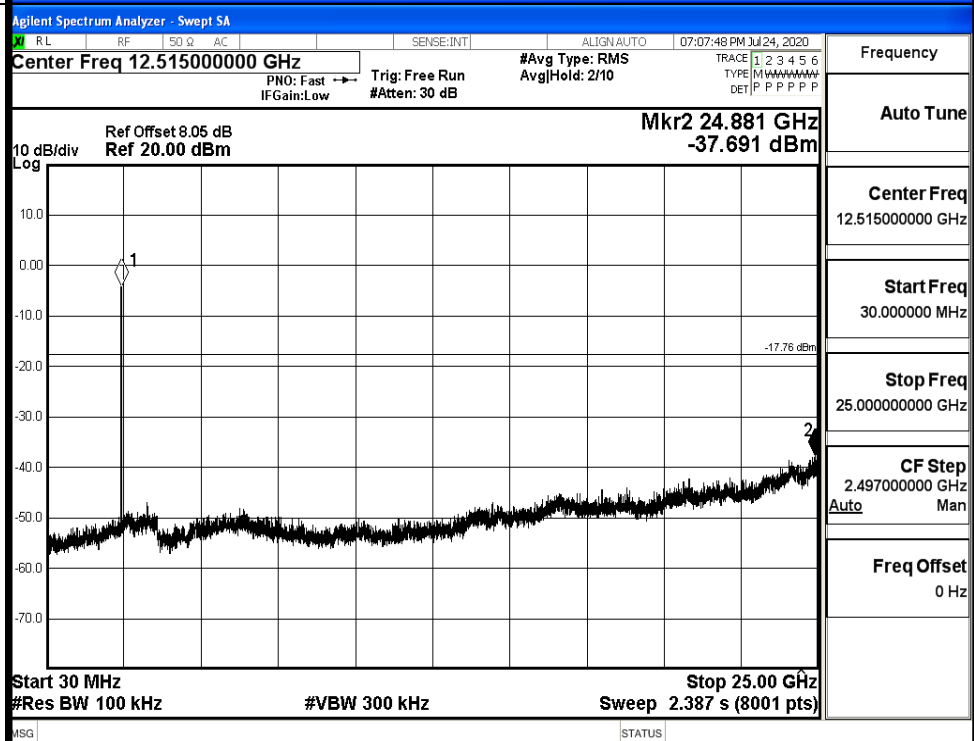


π /4DQPSK_MCH_Graphs

Pref

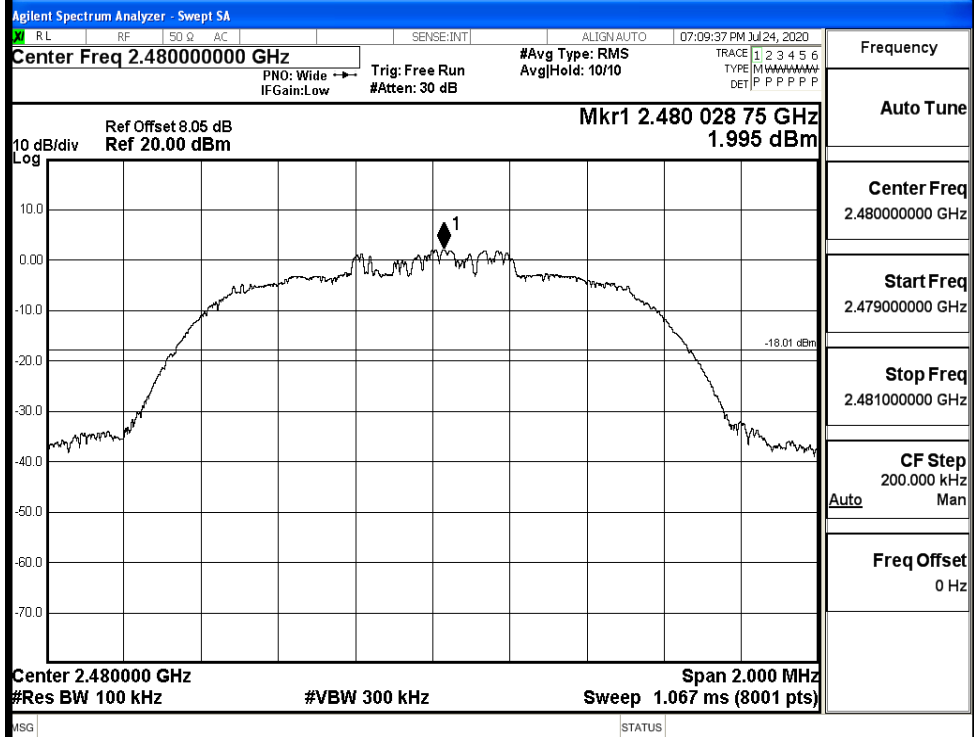


Puw

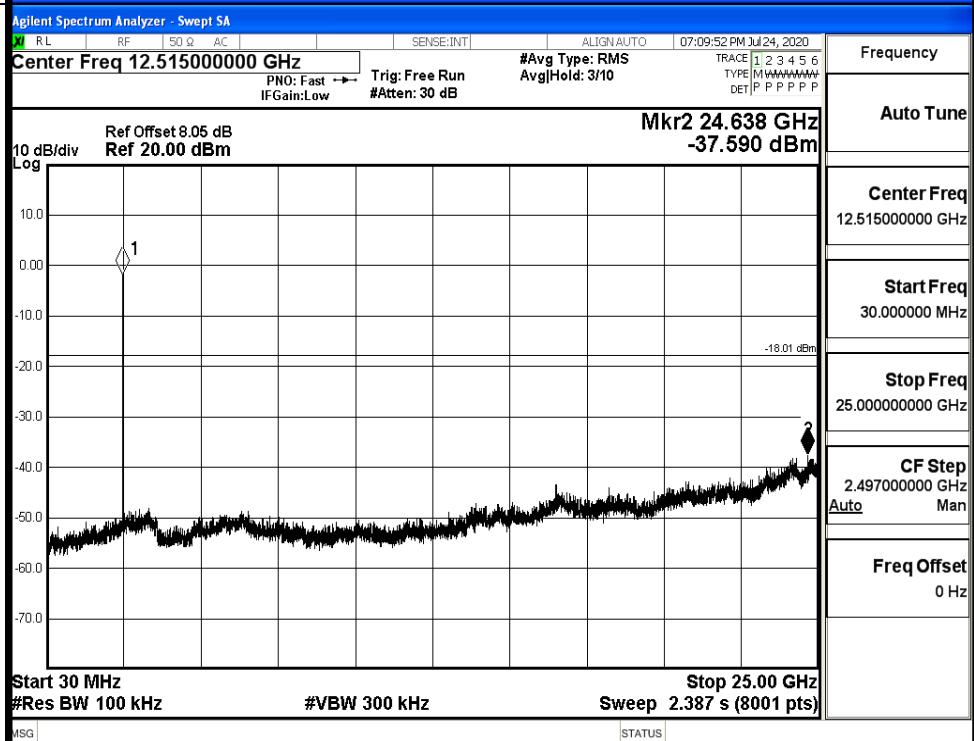


π /4DQPSK_HCH_Graphs

Pref

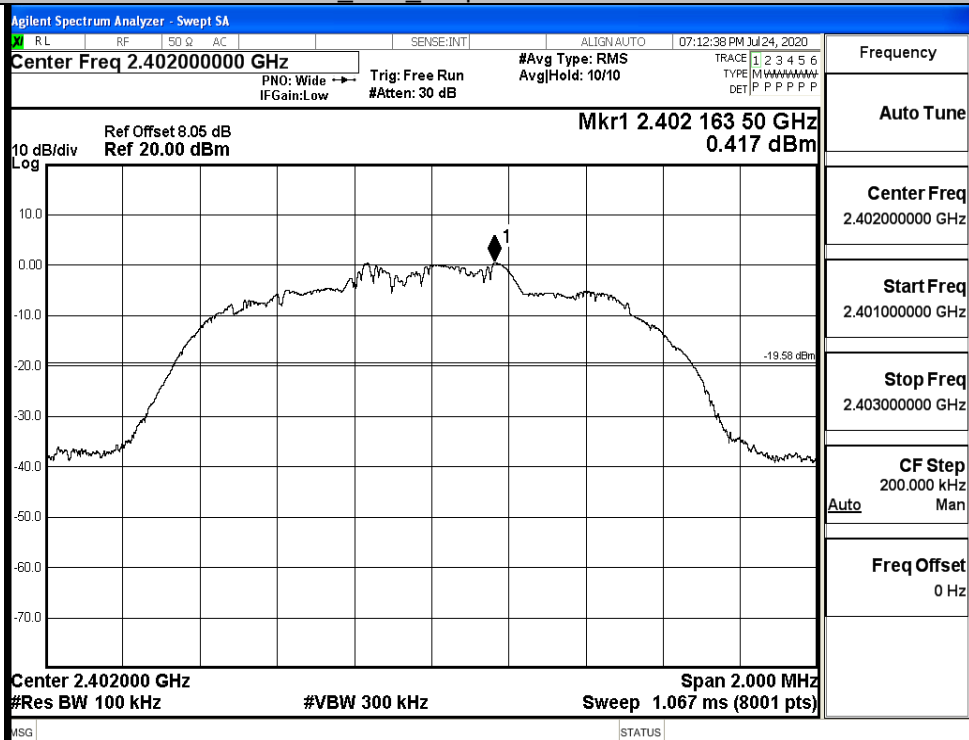


Puw

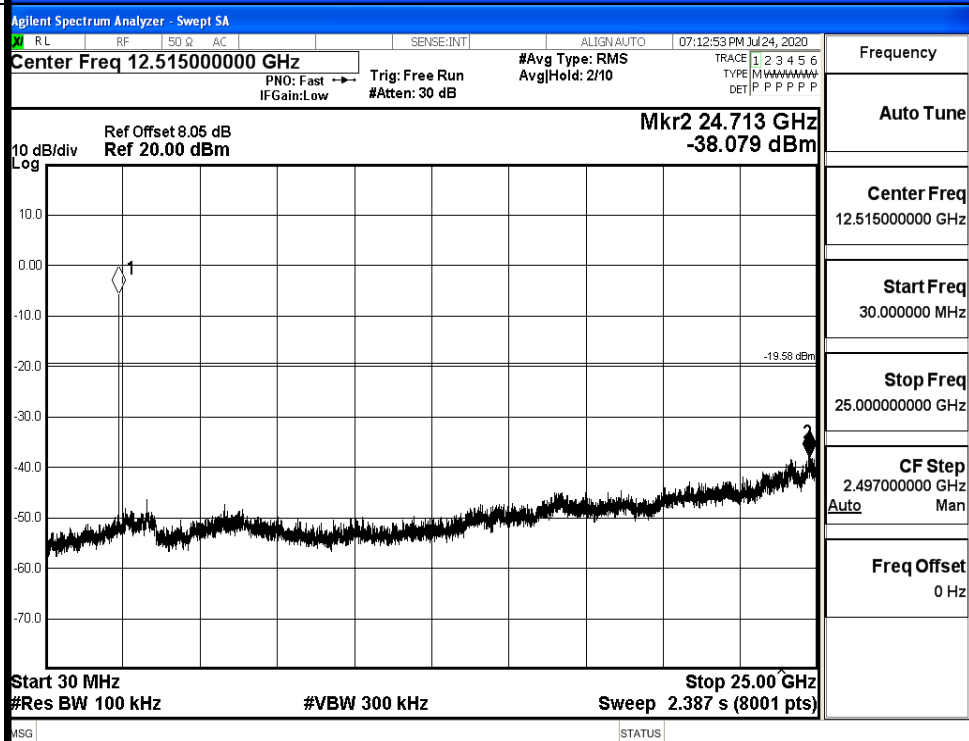


8DPSK_LCH_Graphs

Pref

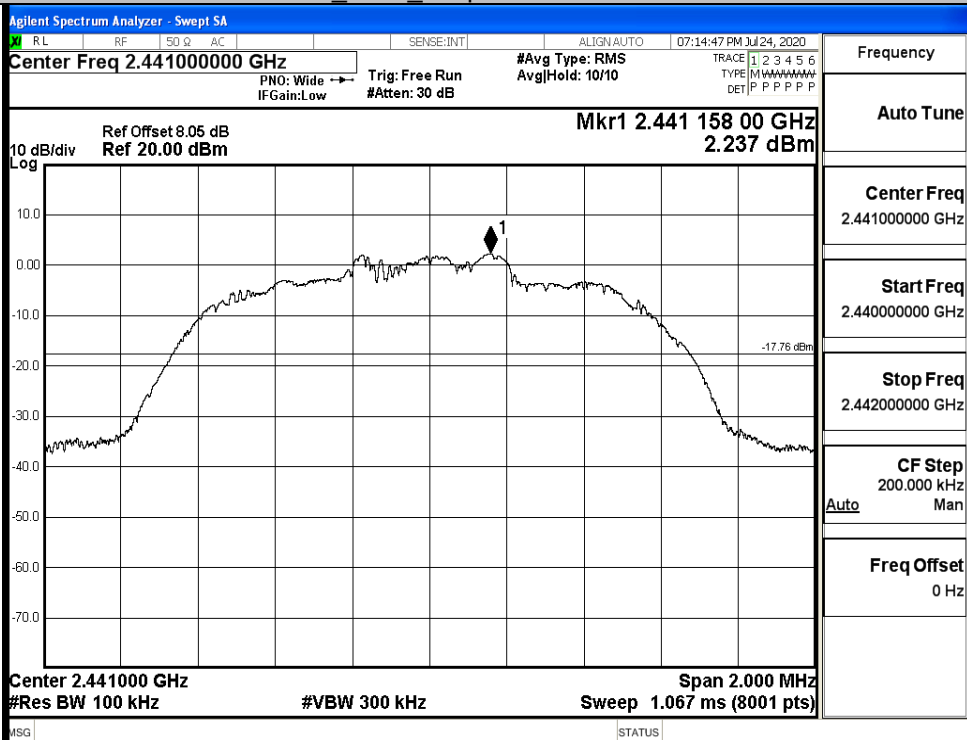


Puw

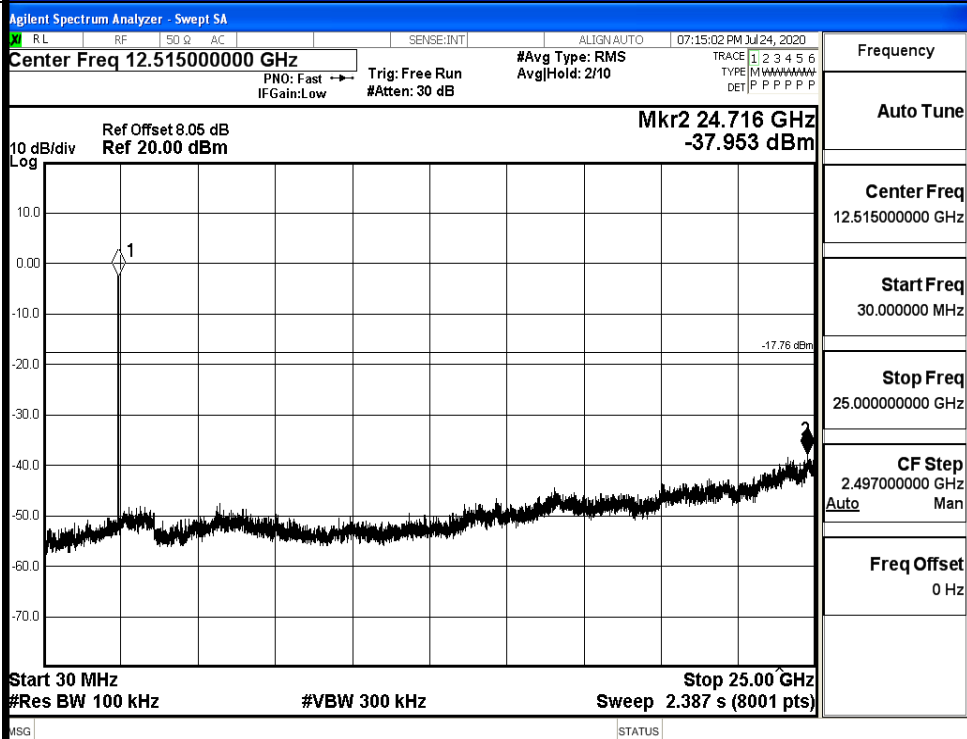


8DPSK_MCH_Graphs

Pref

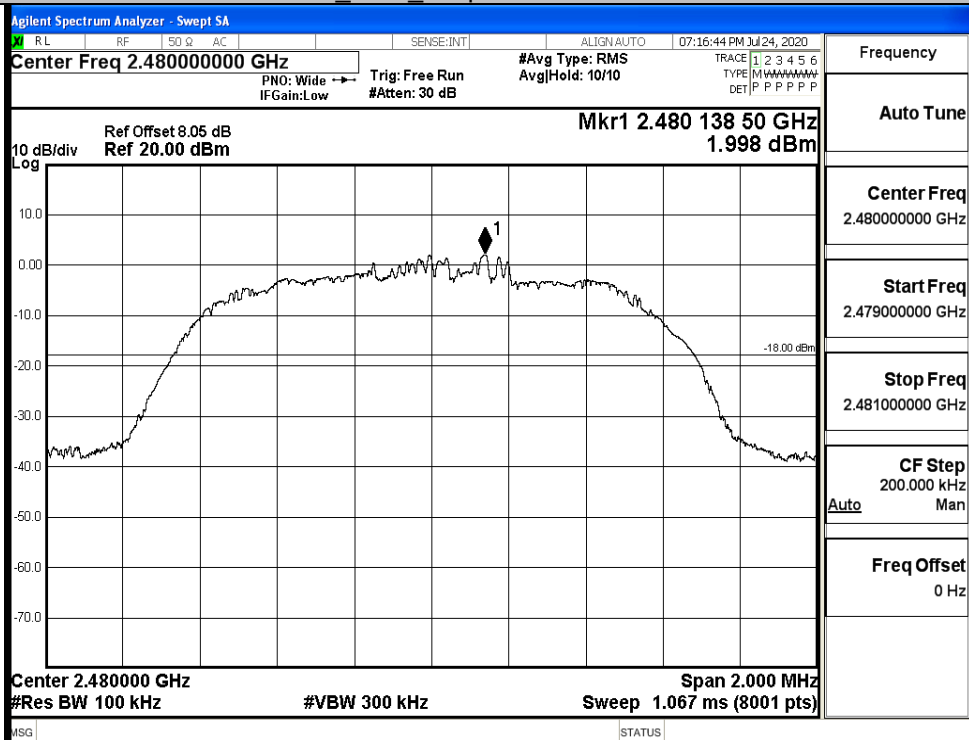


Puw

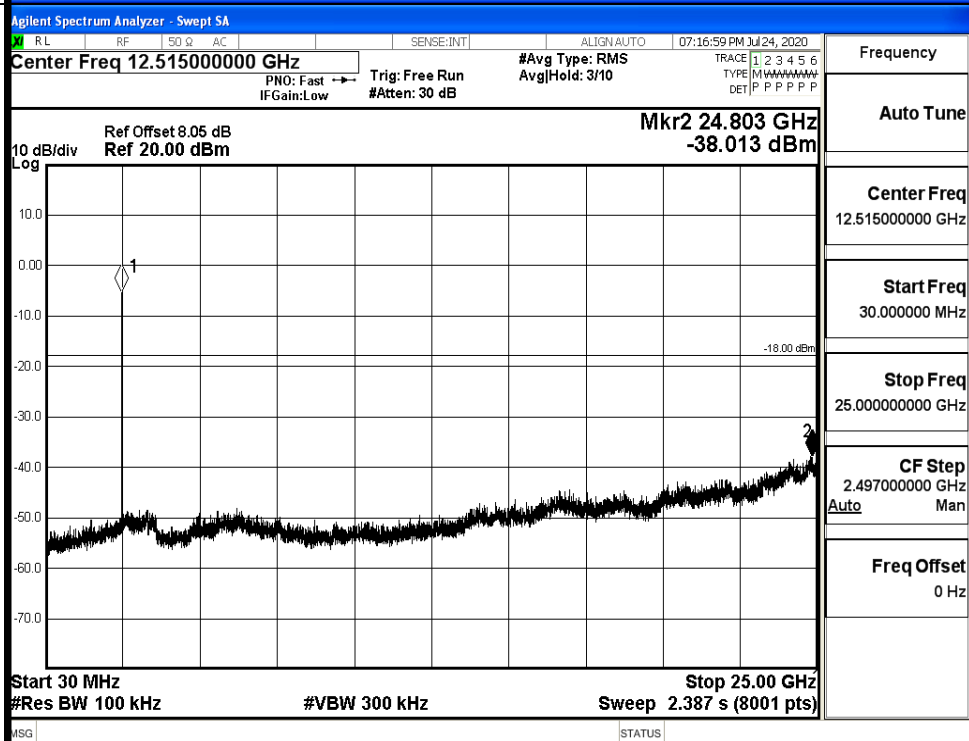


8DPSK_HCH_Graphs

Pref



Puw

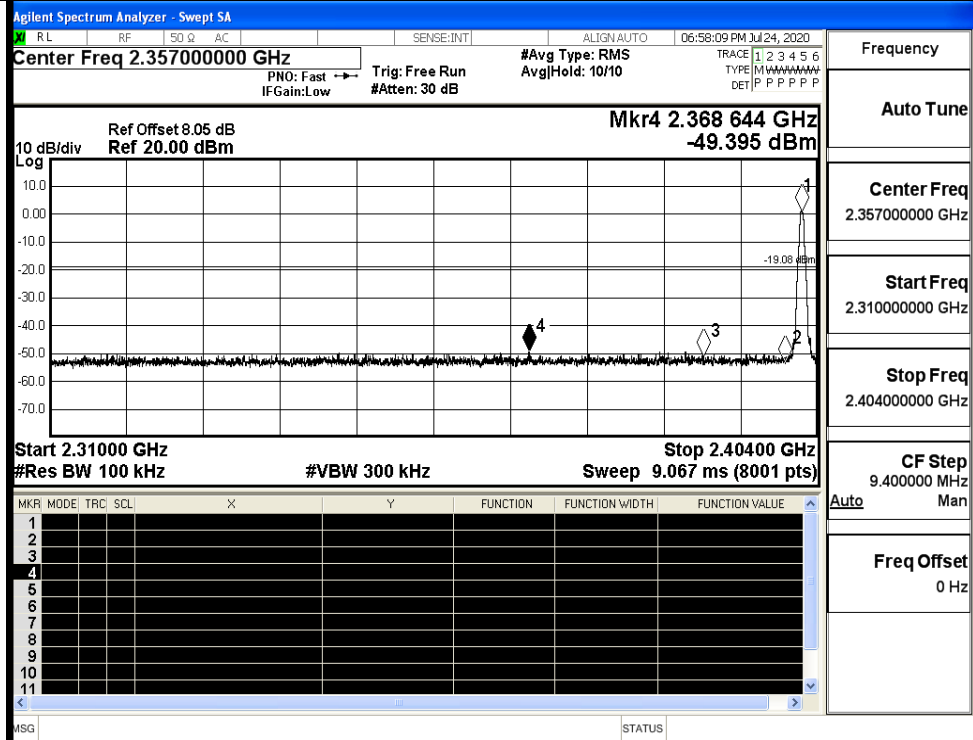


A.7 Band-edge for RF Conducted Emissions

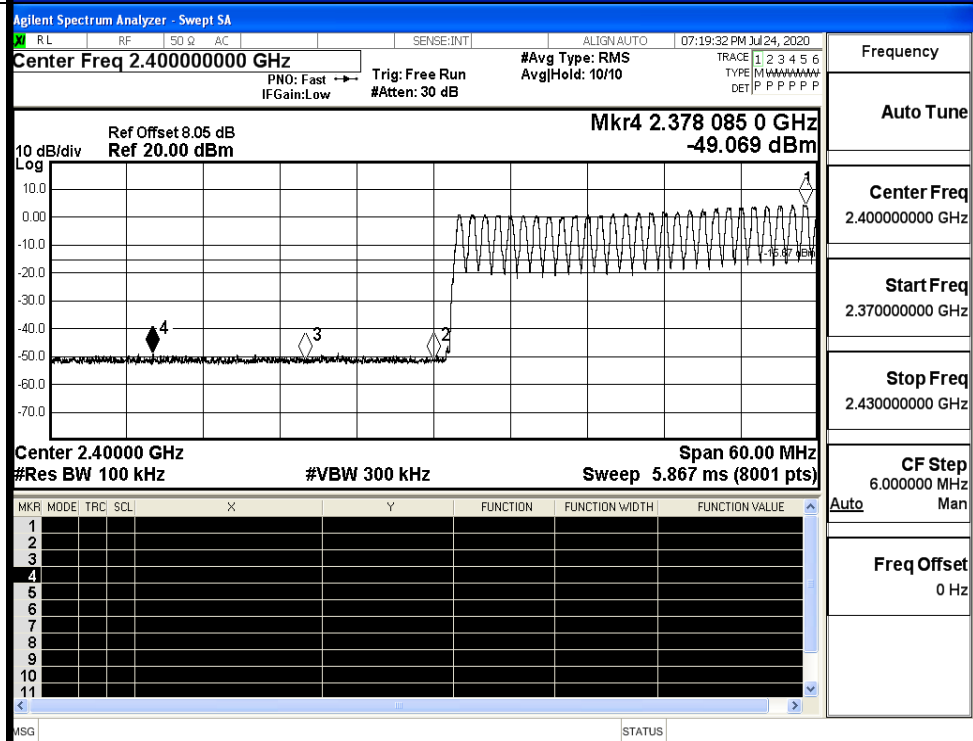
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	0.916	Off	-49.395	-19.08	PASS
			4.332	On	-49.069	-15.67	PASS
	HCH	2480	3.179	Off	-49.299	-16.82	PASS
			3.678	On	-48.786	-16.32	PASS
$\pi/4$ DQPSK	LCH	2402	0.499	Off	-50.006	-19.50	PASS
			3.714	On	-48.181	-16.29	PASS
	HCH	2480	2.586	Off	-48.464	-17.41	PASS
			3.208	On	-48.138	-16.79	PASS
8DPSK	LCH	2402	-2.087	Off	-49.230	-22.09	PASS
			3.555	On	-48.891	-16.45	PASS
	HCH	2480	2.655	Off	-49.118	-17.35	PASS
			3.340	On	-48.844	-16.66	PASS

Test Graphs

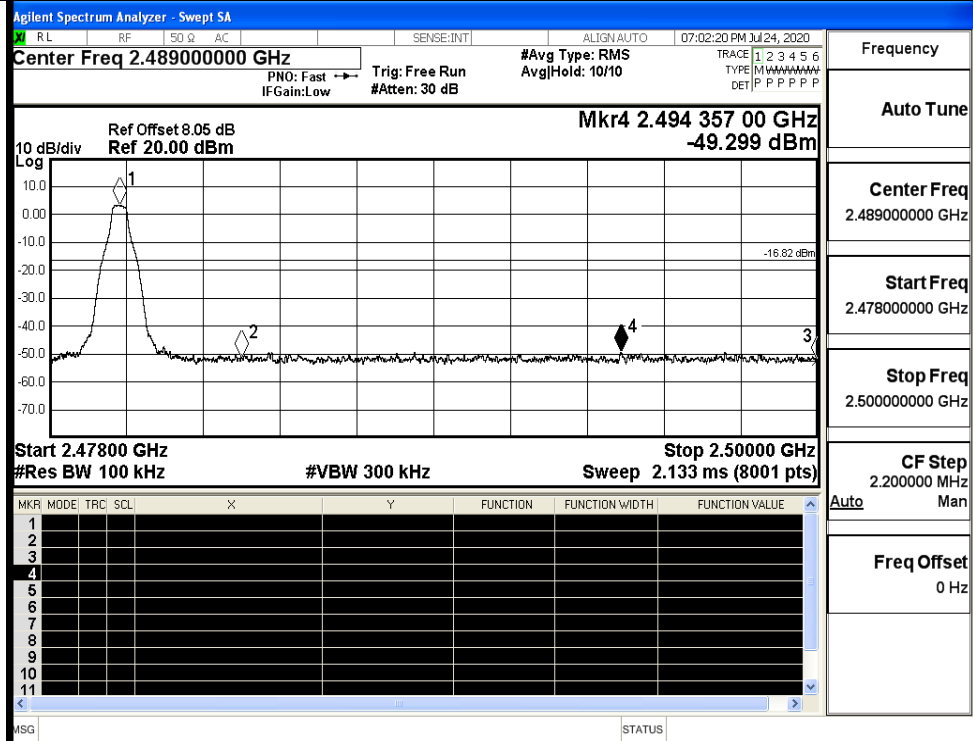
GFSK/LCH/No Hop



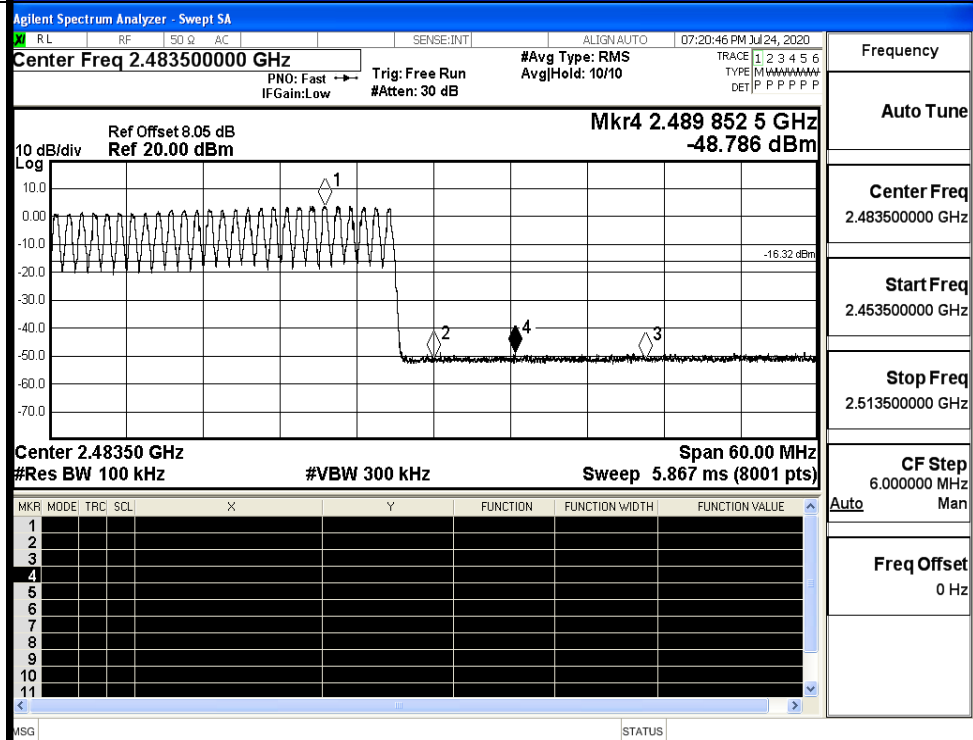
GFSK/LCH/Hop



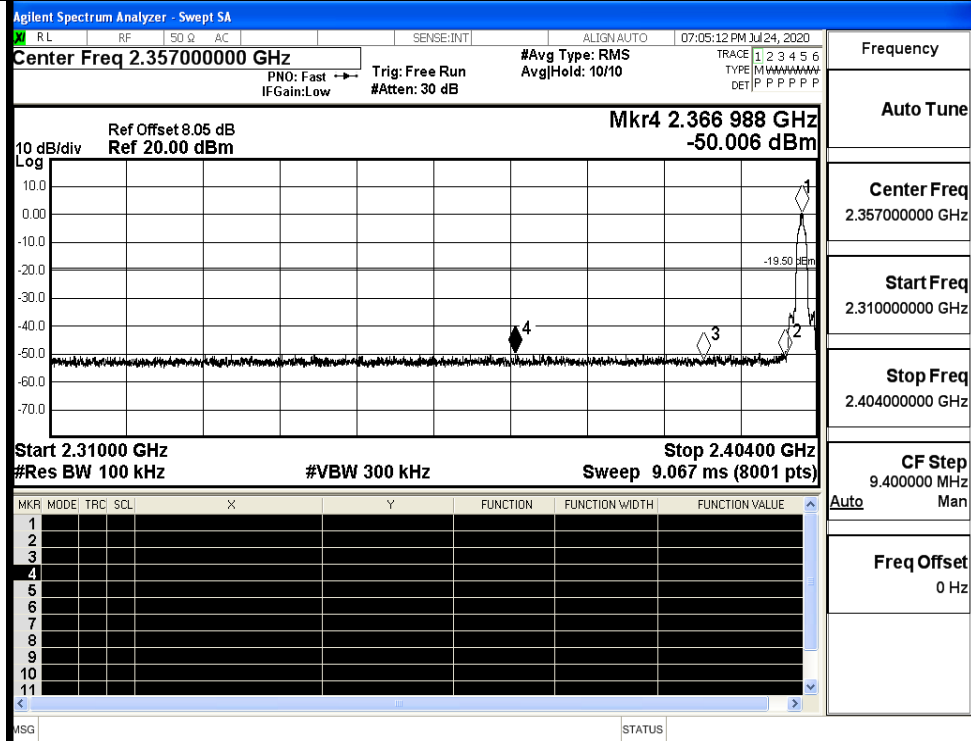
GFSK/HCH/No Hop



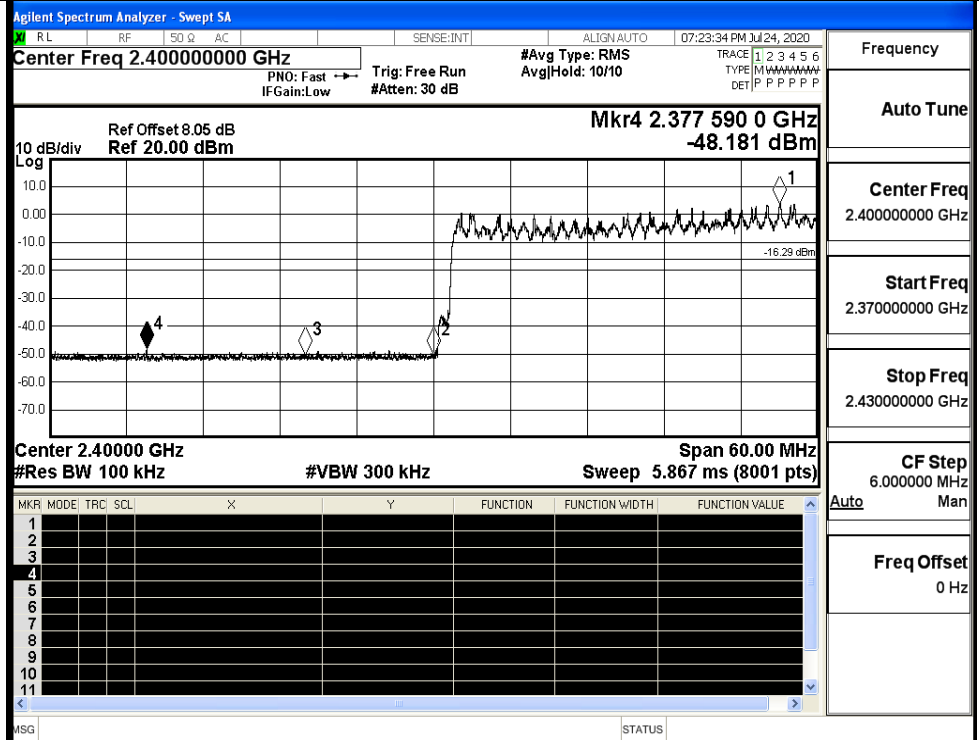
GFSK/HCH/Hop



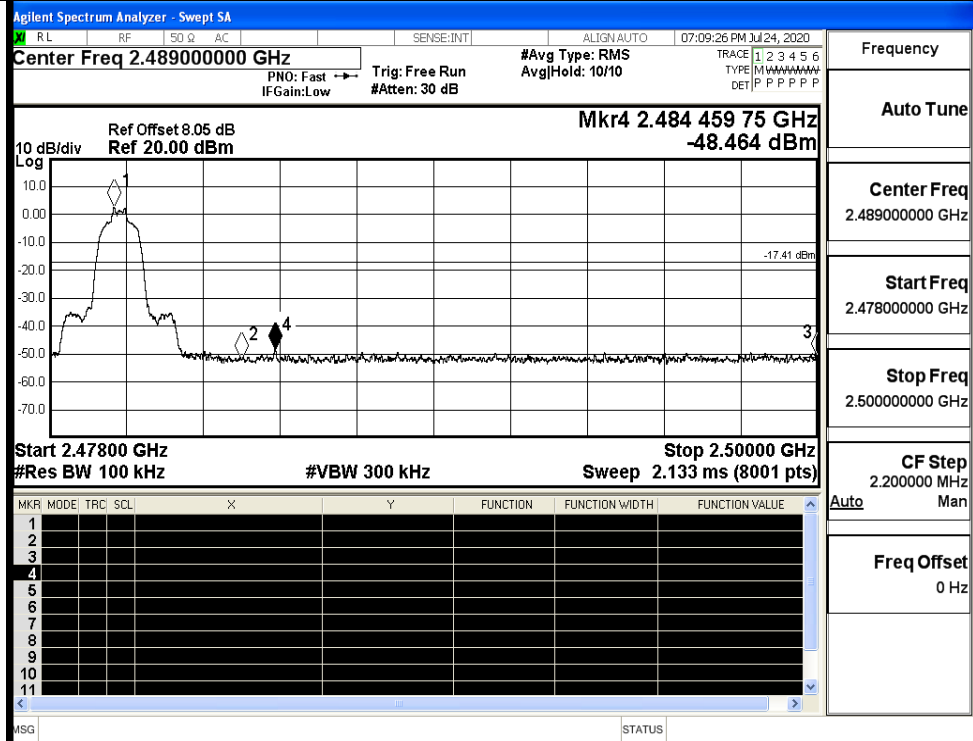
$\pi/4$ DQPSK/LCH/No
Hop



$\pi/4$ DQPSK/LCH/Hop



$\pi/4$ DQPSK/HCH/No
Hop

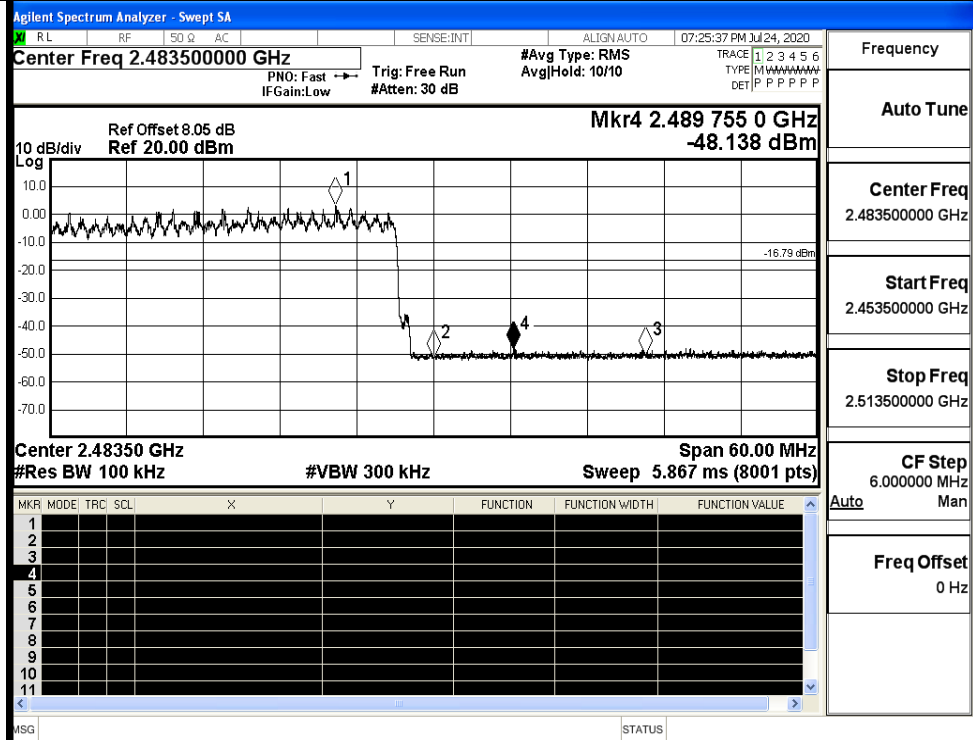


Frequency

Auto Tune

Center Freq
2.489000000 GHzStart Freq
2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

$\pi/4$ DQPSK/HCH/Hop

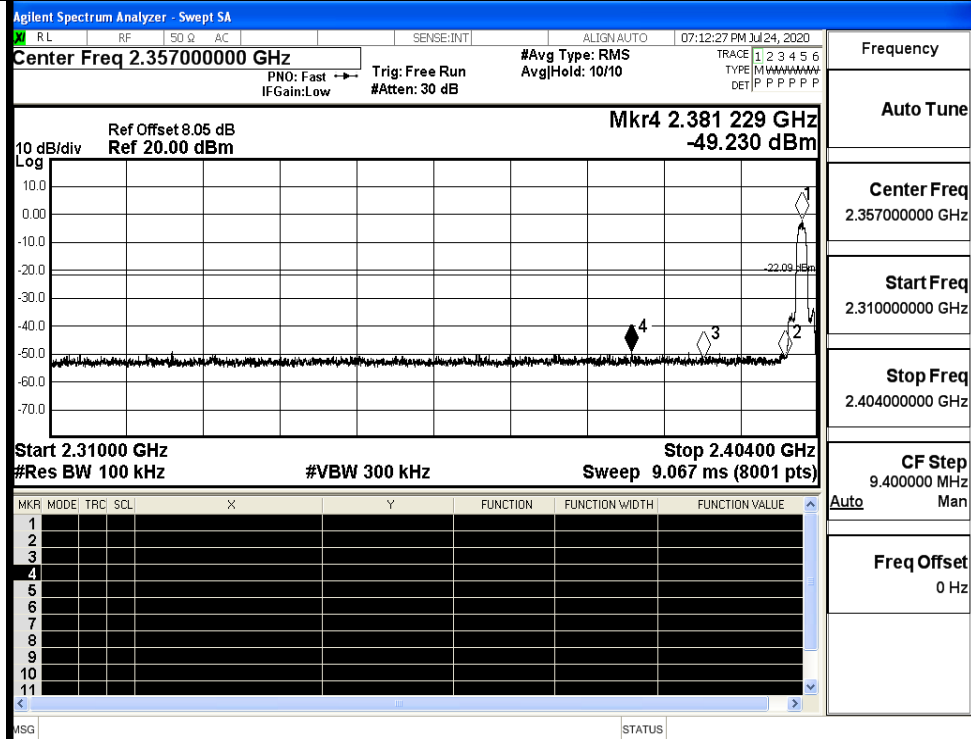


Frequency

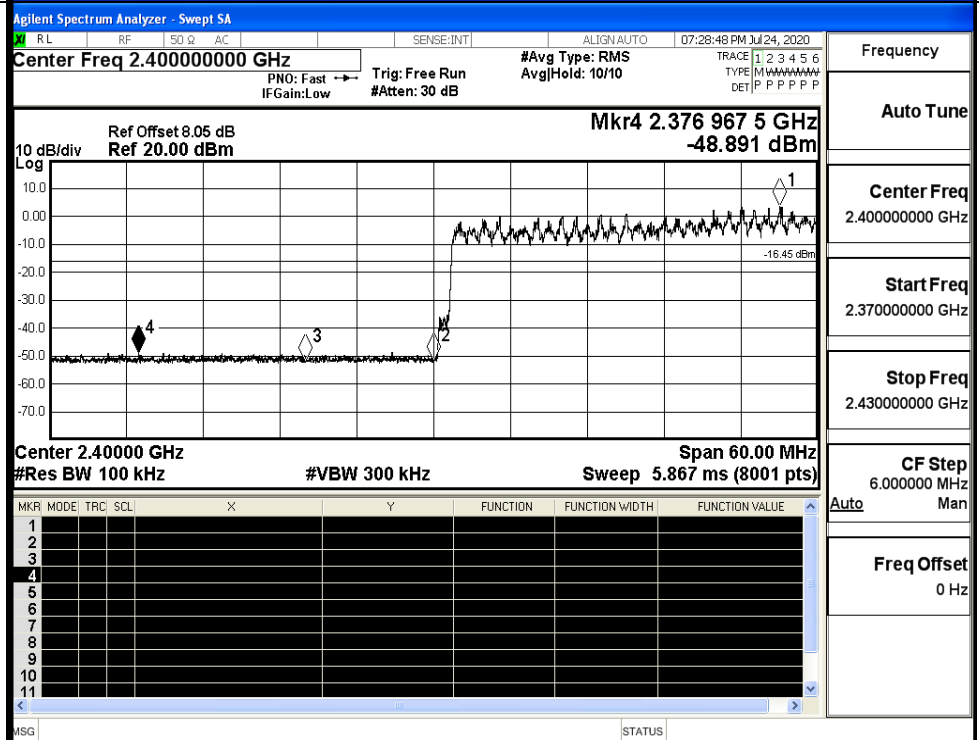
Auto Tune

Center Freq
2.483500000 GHzStart Freq
2.453500000 GHzStop Freq
2.513500000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

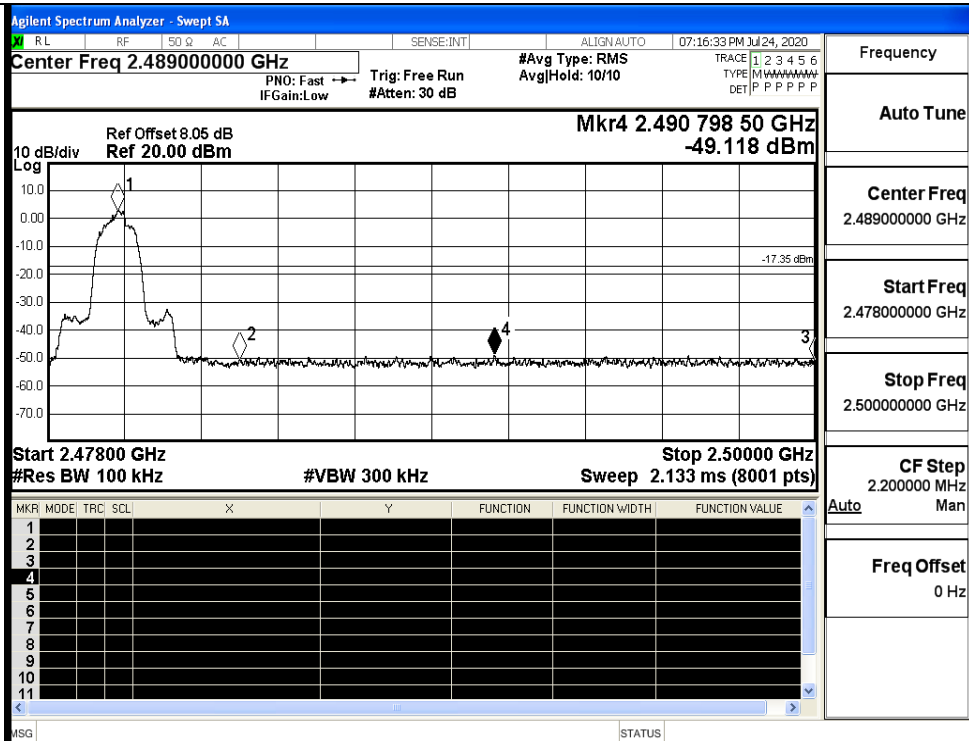
8DPSK/LCH/No Hop



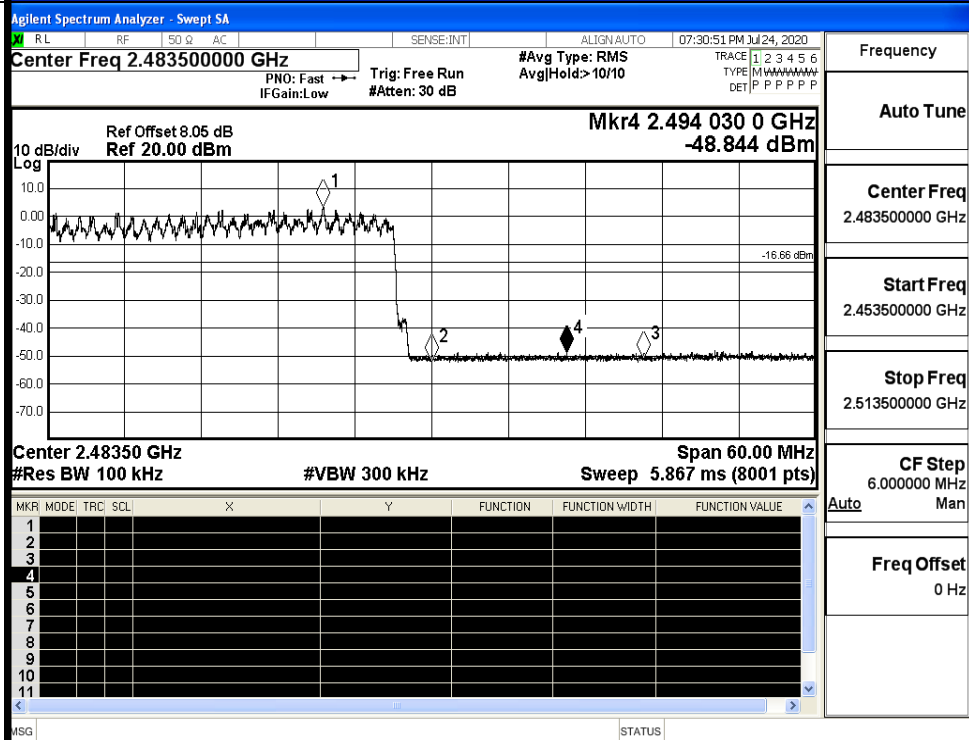
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



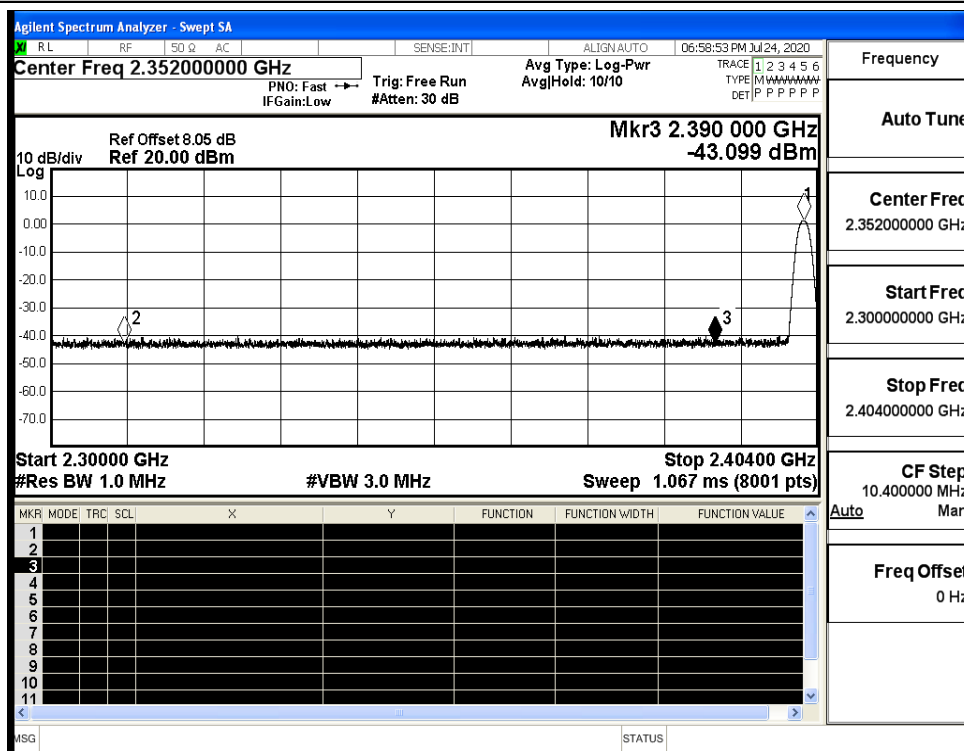
8DPSK/HCH/Hop



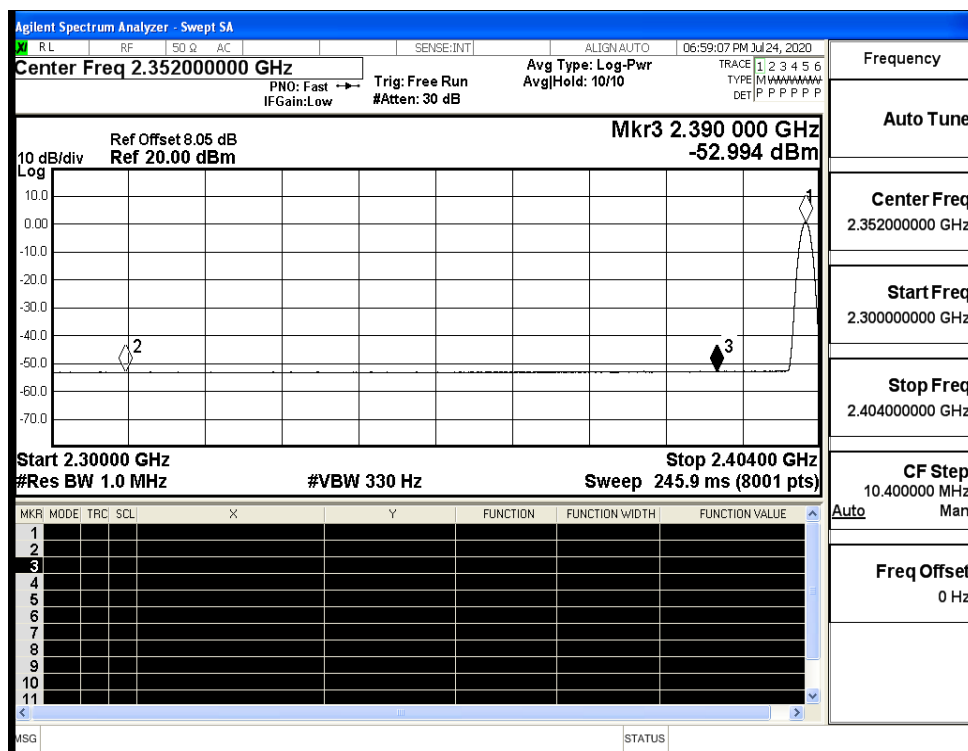
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-42.95	2.0	0	52.30	PEAK	74	PASS
	Off	2310.0	-53.31	2.0	0	41.94	AV	54	PASS
	Off	2390.0	-43.10	2.0	0	52.16	PEAK	74	PASS
	Off	2390.0	-52.99	2.0	0	42.26	AV	54	PASS
	Off	2483.5	-42.55	2.0	0	52.70	PEAK	74	PASS
	Off	2483.5	-52.52	2.0	0	42.74	AV	54	PASS
	Off	2500.0	-42.55	2.0	0	52.71	PEAK	74	PASS
	Off	2500.0	-52.29	2.0	0	42.96	AV	54	PASS
$\pi/4$ DQPSK	Off	2310.0	-43.38	2.0	0	51.87	PEAK	74	PASS
	Off	2310.0	-53.45	2.0	0	41.81	AV	54	PASS
	Off	2390.0	-43.58	2.0	0	51.68	PEAK	74	PASS
	Off	2390.0	-52.91	2.0	0	42.34	AV	54	PASS
	Off	2483.5	-40.93	2.0	0	54.33	PEAK	74	PASS
	Off	2483.5	-52.40	2.0	0	42.86	AV	54	PASS
	Off	2500.0	-42.68	2.0	0	52.57	PEAK	74	PASS
	Off	2500.0	-52.39	2.0	0	42.87	AV	54	PASS
8DPSK	Off	2310.0	-42.28	2.0	0	52.98	PEAK	74	PASS
	Off	2310.0	-53.30	2.0	0	41.96	AV	54	PASS
	Off	2390.0	-43.36	2.0	0	51.90	PEAK	74	PASS
	Off	2390.0	-52.94	2.0	0	42.32	AV	54	PASS
	Off	2483.5	-42.04	2.0	0	53.21	PEAK	74	PASS
	Off	2483.5	-52.38	2.0	0	42.87	AV	54	PASS
	Off	2500.0	-43.27	2.0	0	51.99	PEAK	74	PASS
	Off	2500.0	-52.43	2.0	0	42.82	AV	54	PASS

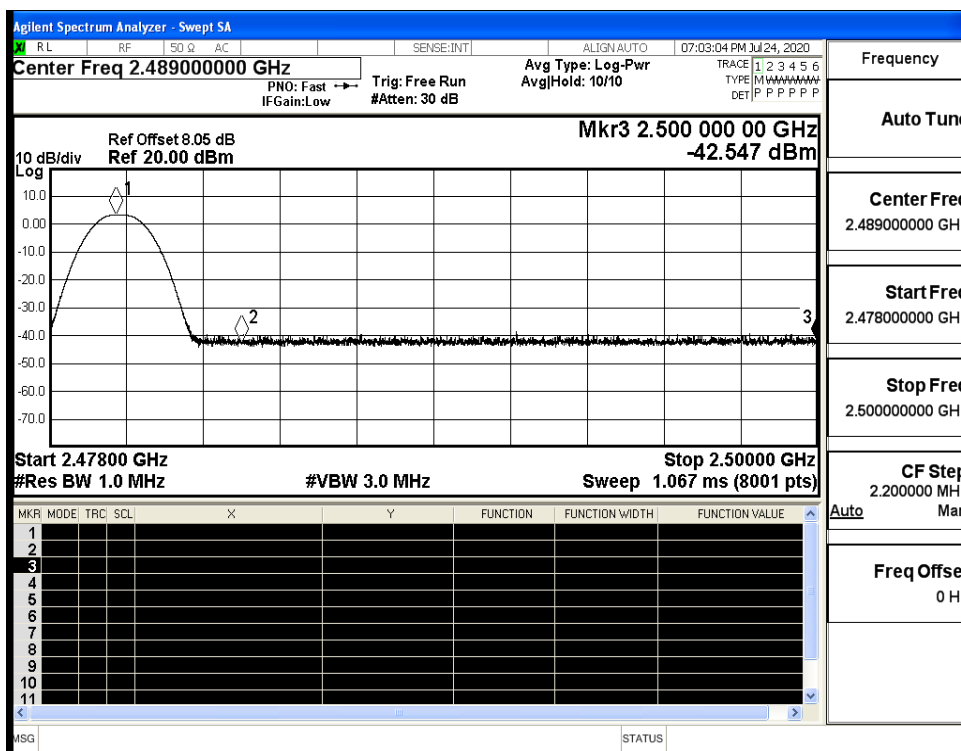
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (Low Channel)



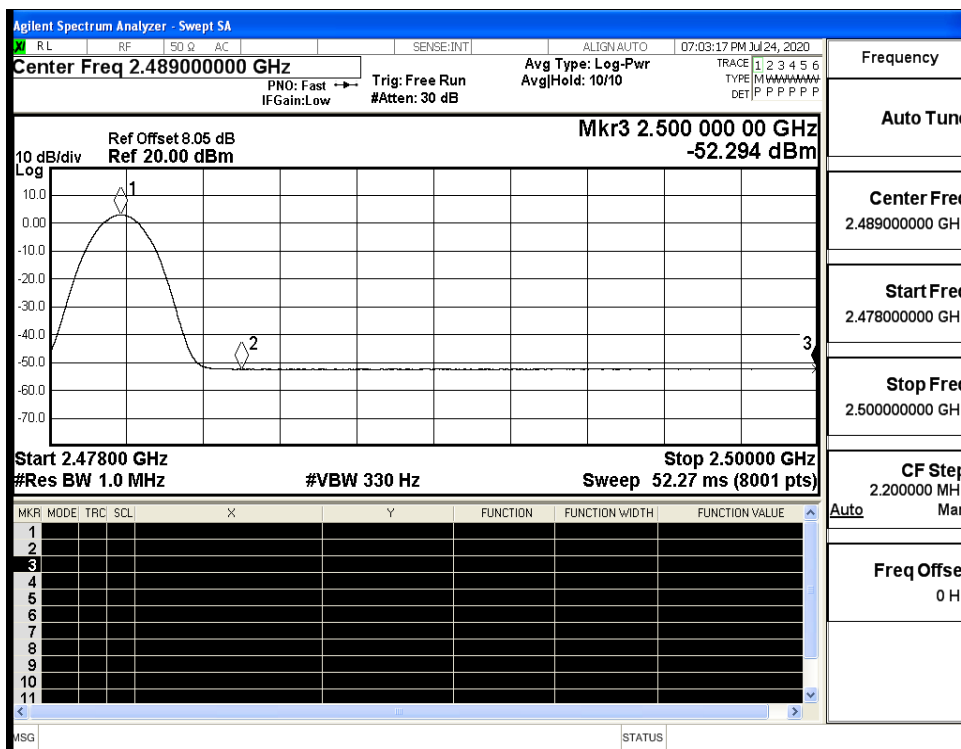
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (Low Channel)

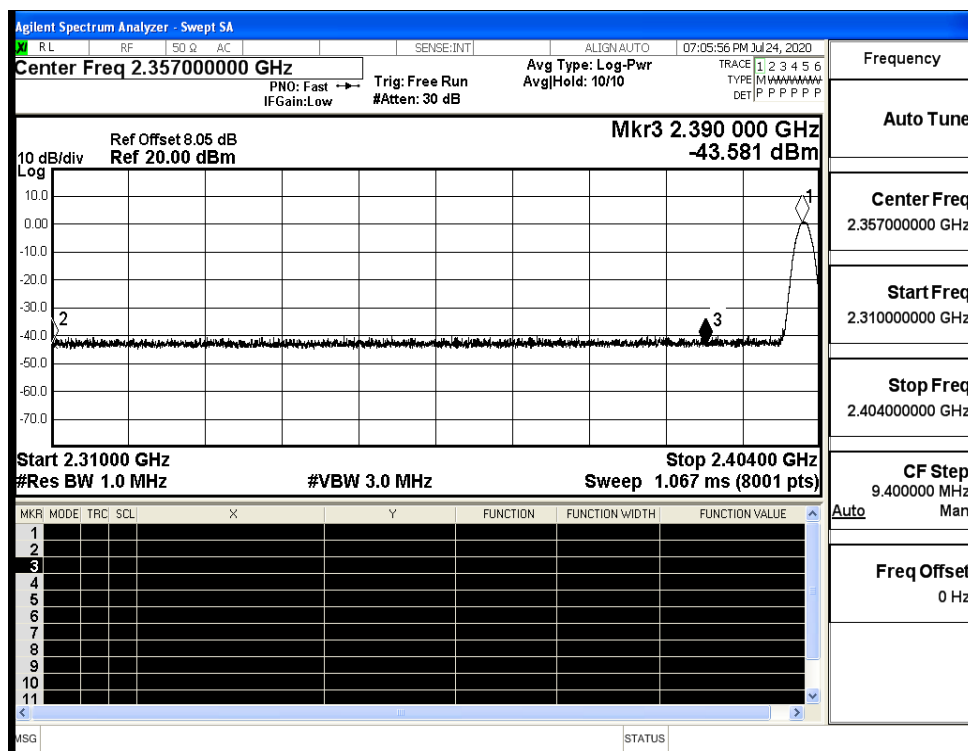
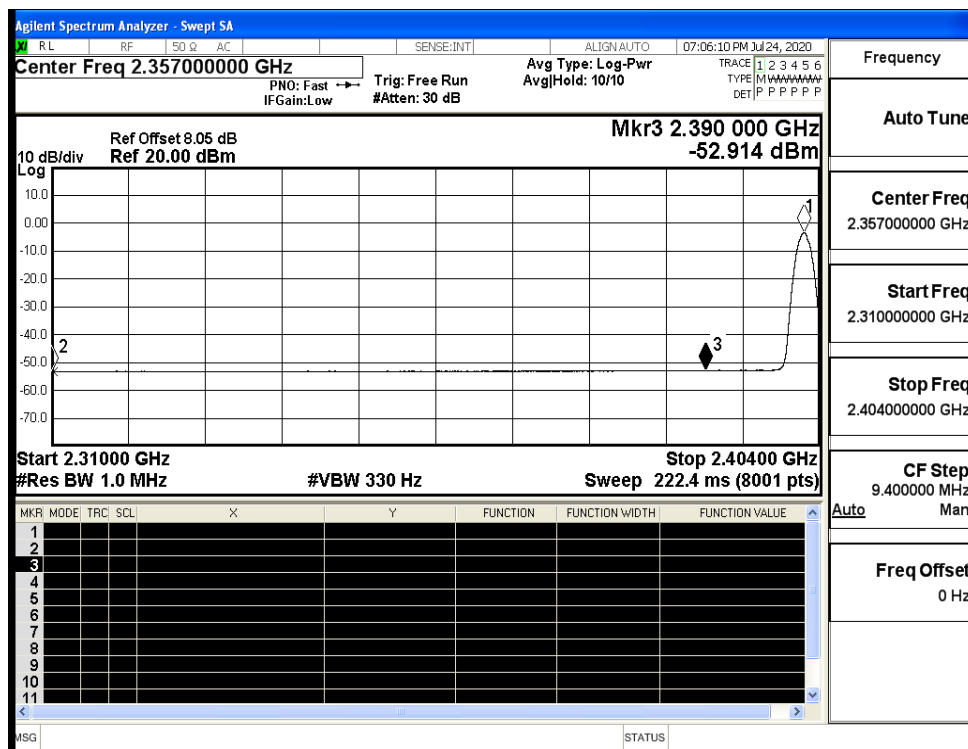


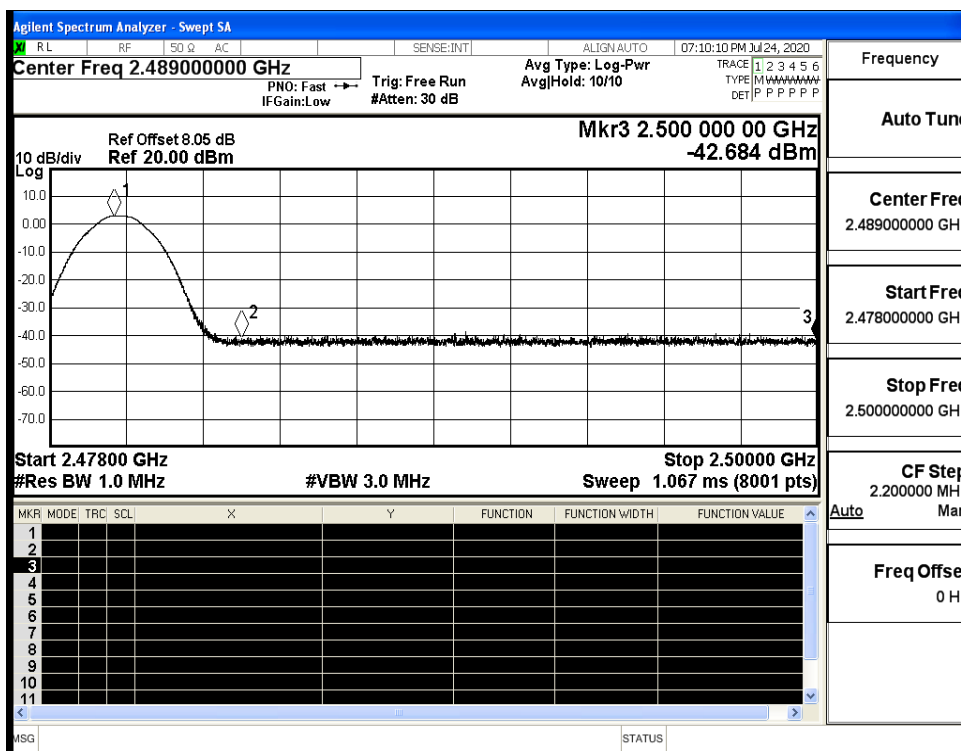
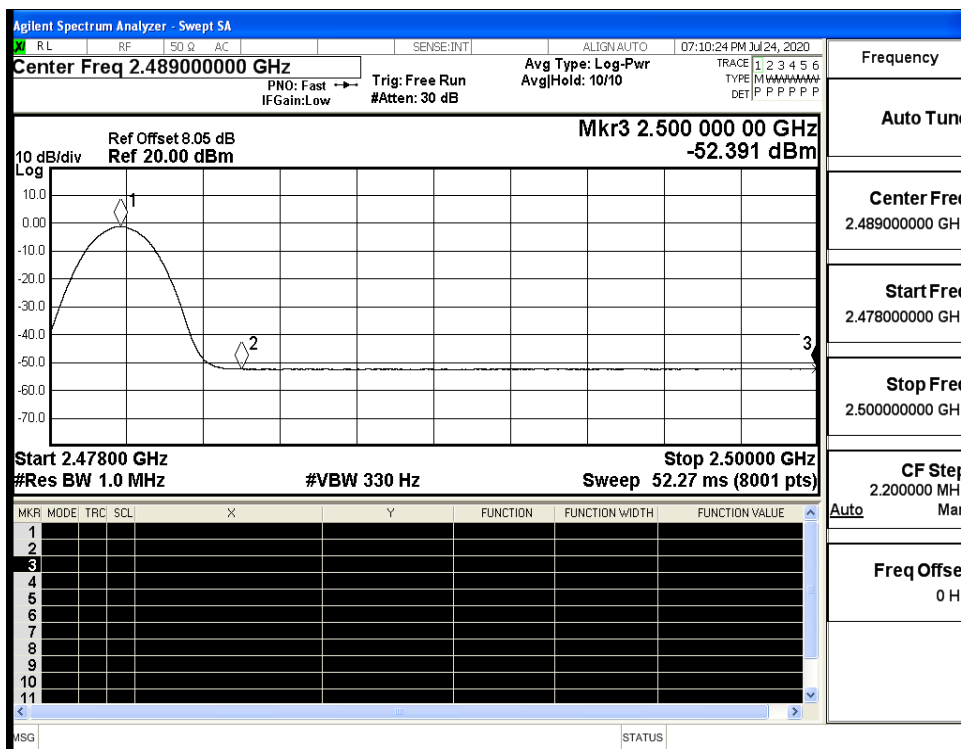
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (High Channel)



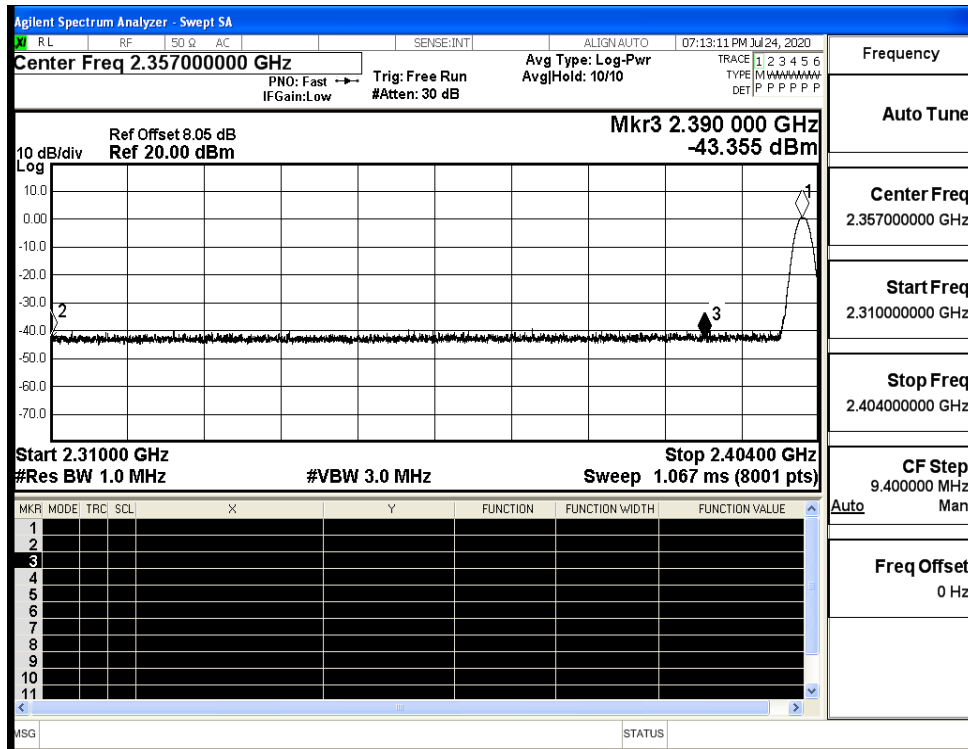
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (High Channel)



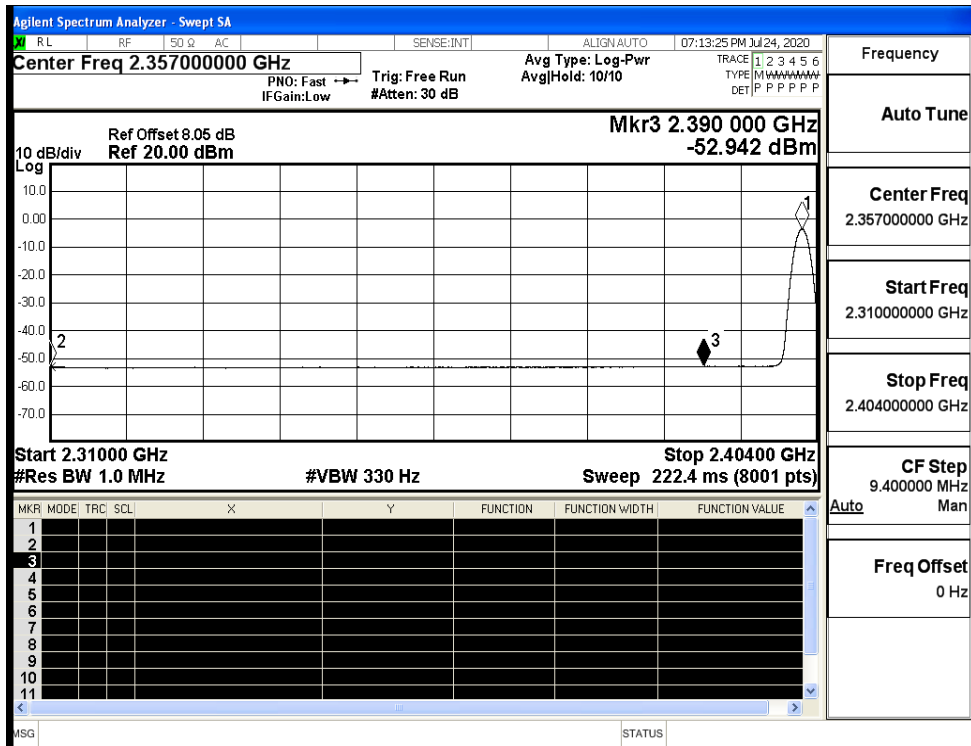
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_PEAK (Low Channel)Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_Average (Low Channel)

Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_PEAK (High Channel)Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_Average (High Channel)

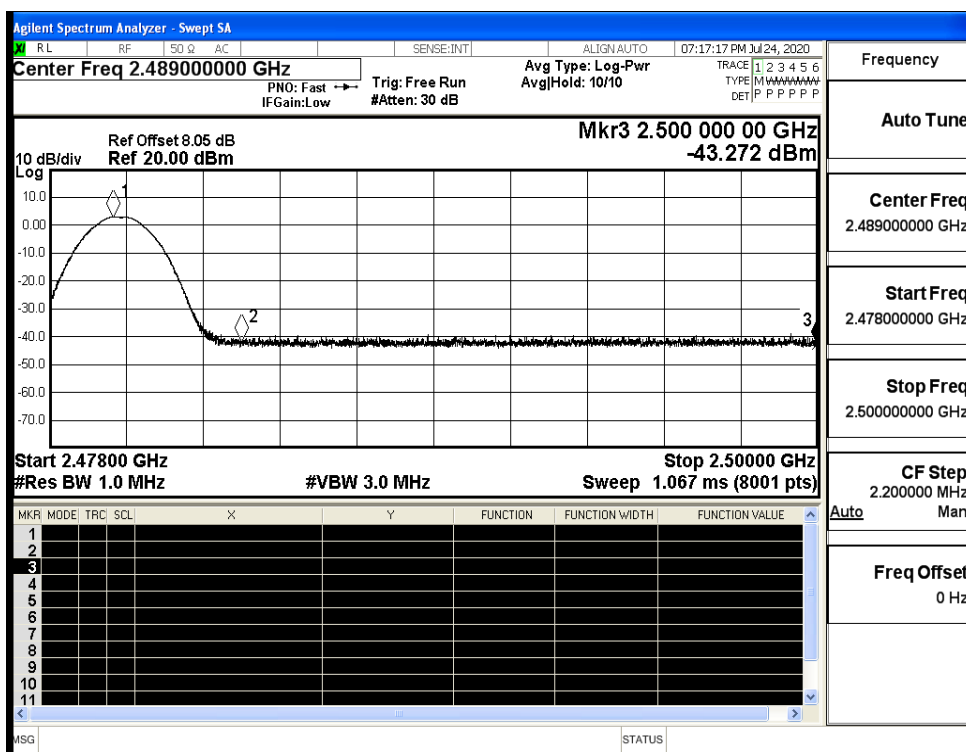
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

