

## 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

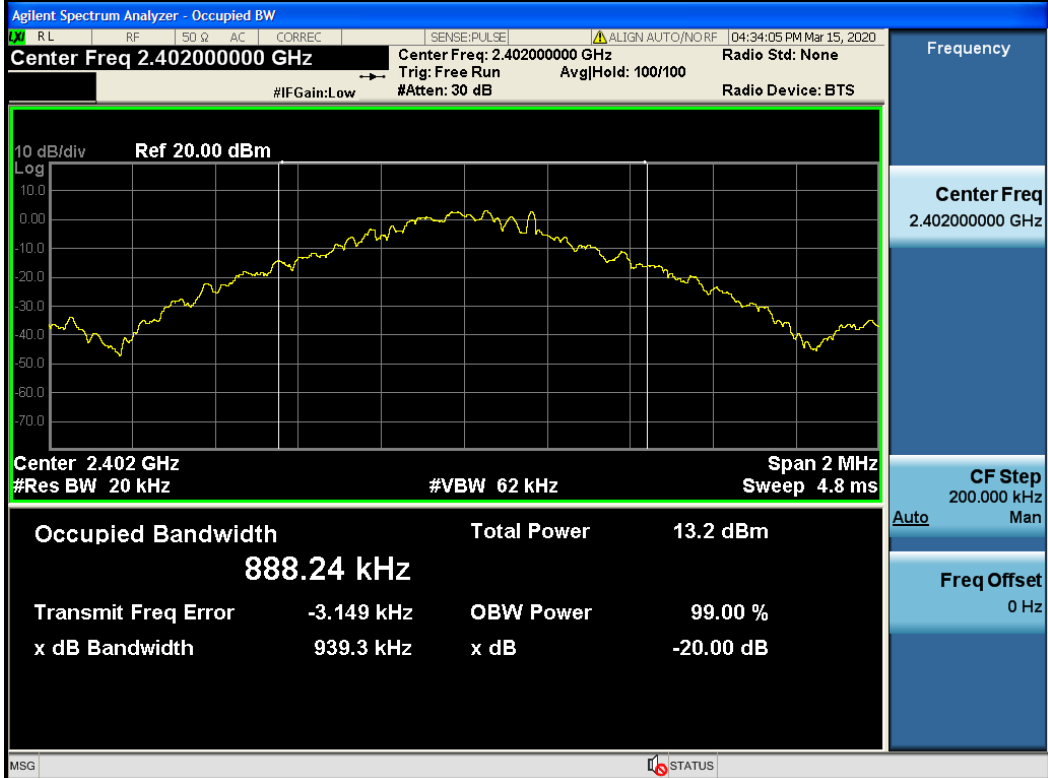
Temperature:	22.8° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

#### A.1 20 dB Bandwidth

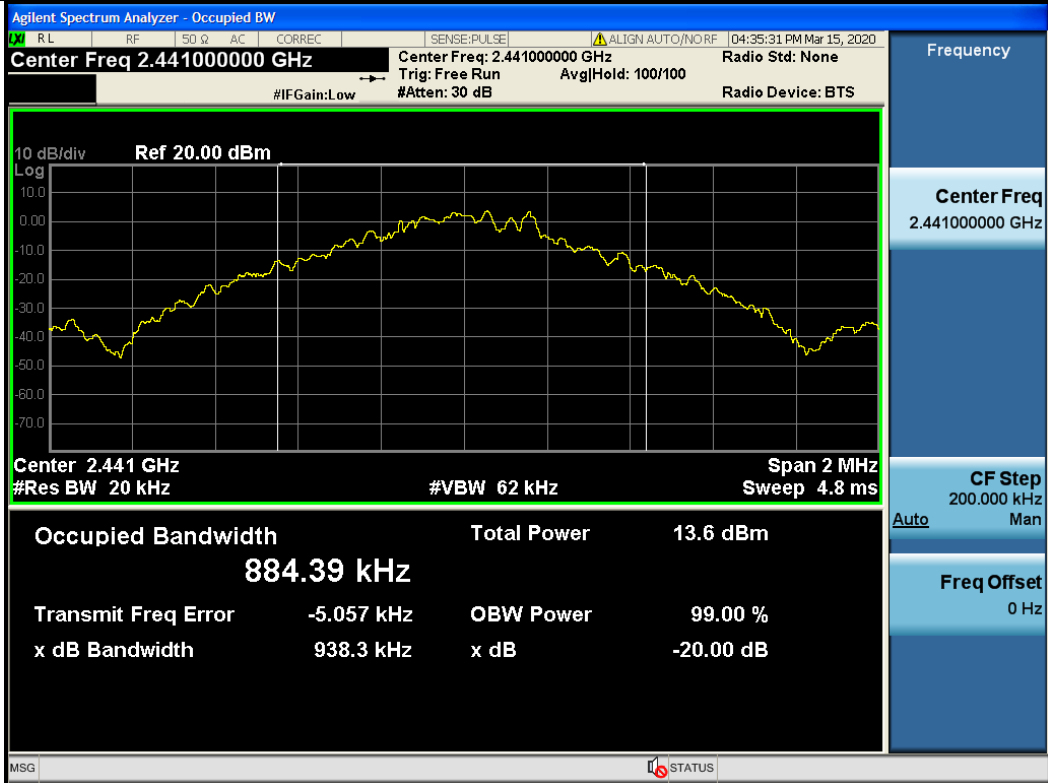
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.939	Not Specified	PASS
GFSK	MCH	0.938	Not Specified	PASS
GFSK	HCH	0.943	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.287	Not Specified	PASS
$\pi/4$ DQPSK	MCH	1.299	Not Specified	PASS
$\pi/4$ DQPSK	HCH	1.264	Not Specified	PASS
8DPSK	LCH	1.266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

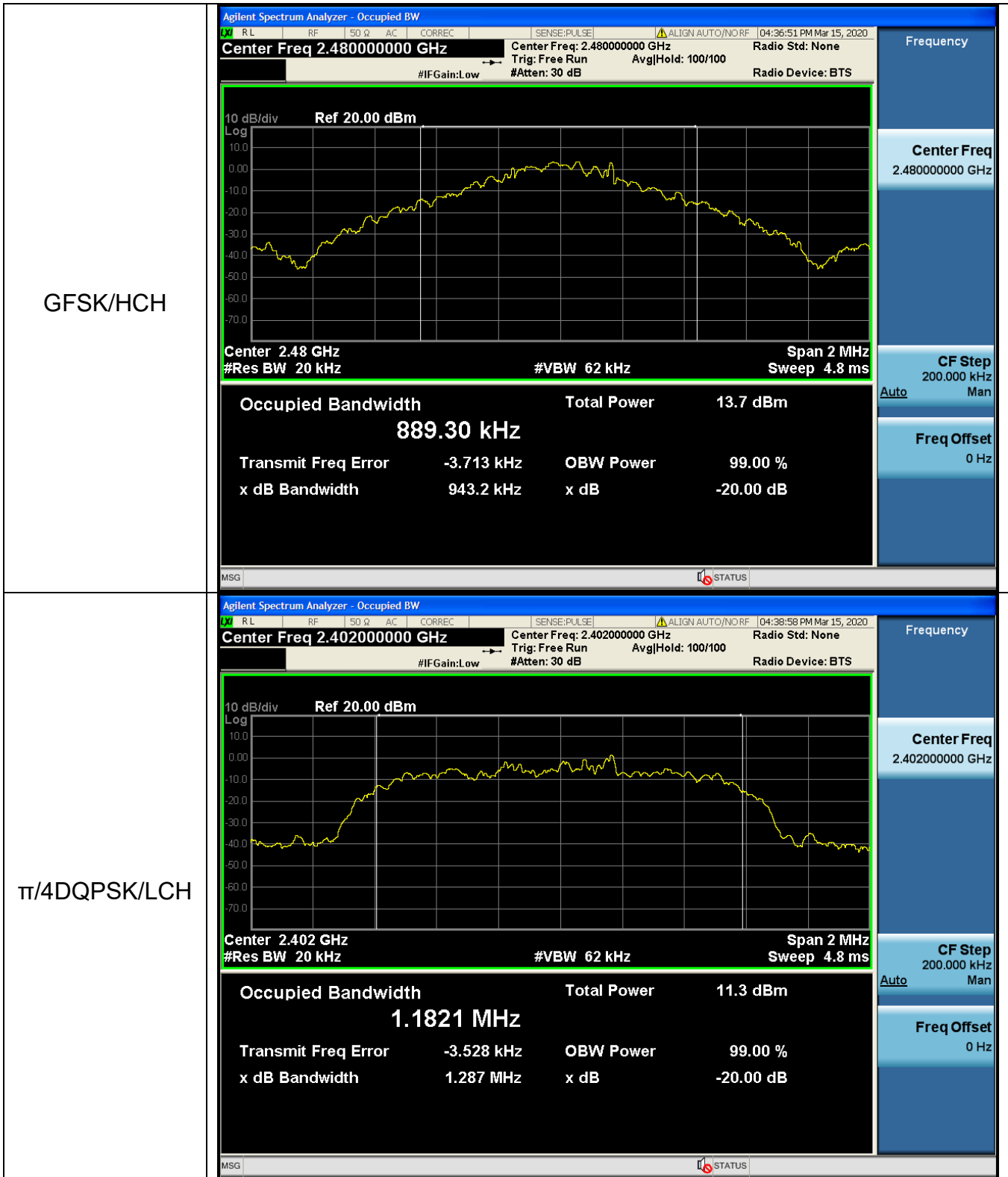
### Test Graph Graphs

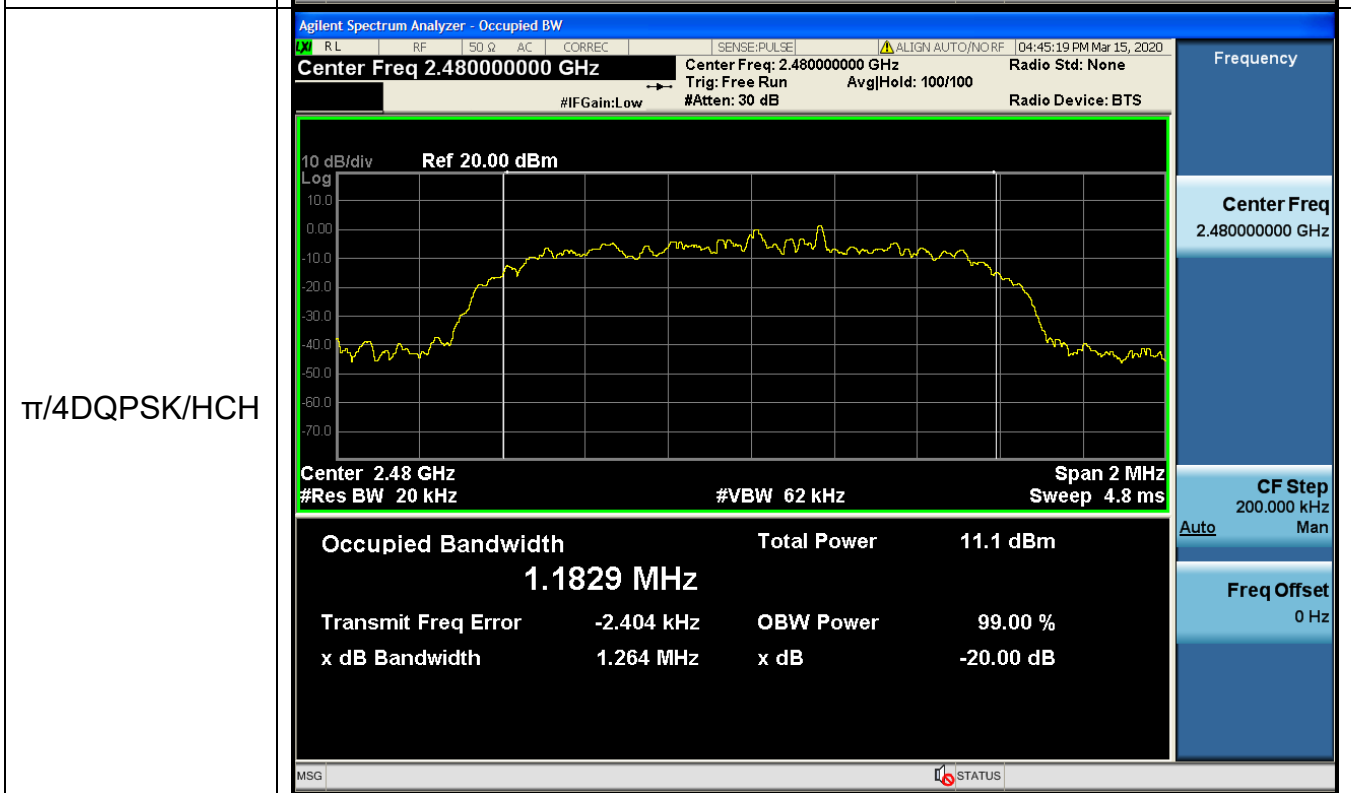
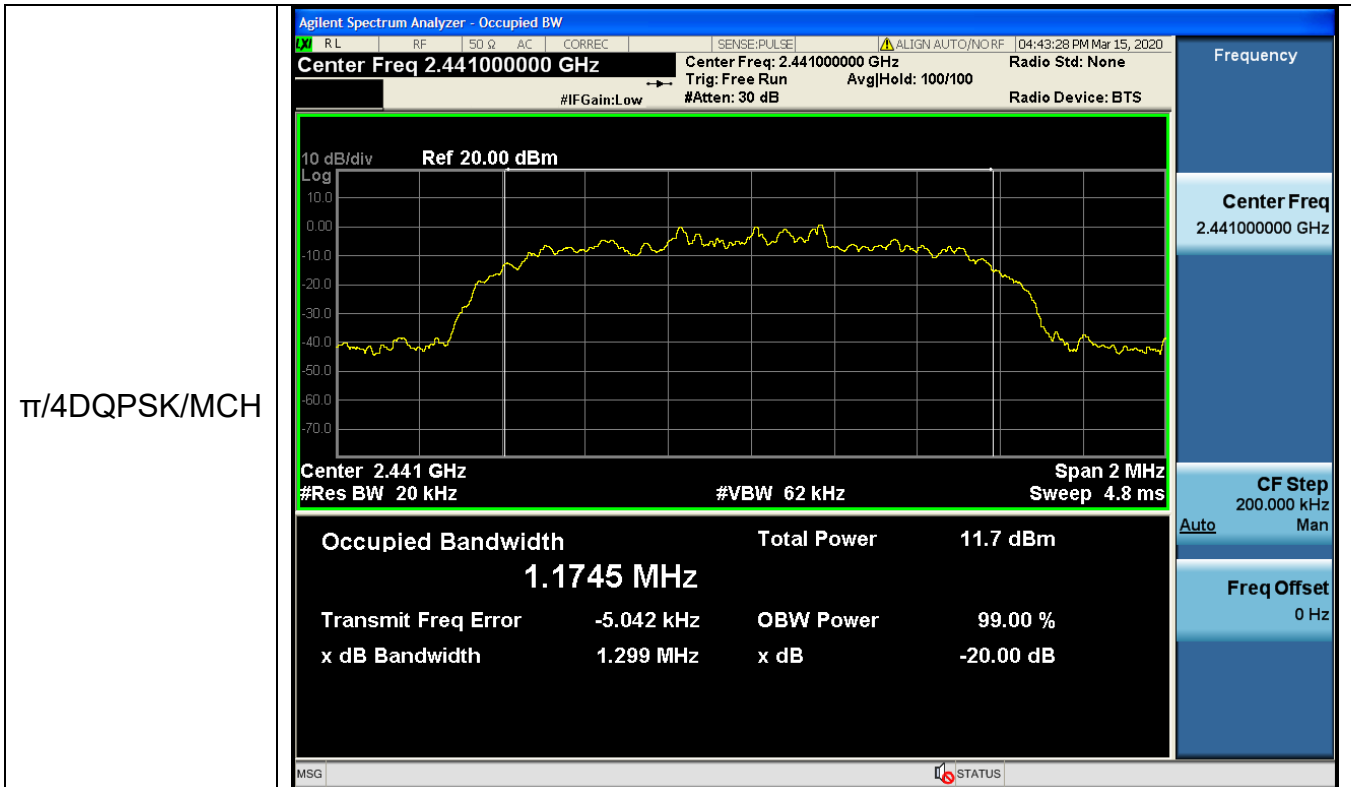
GFSK/LCH

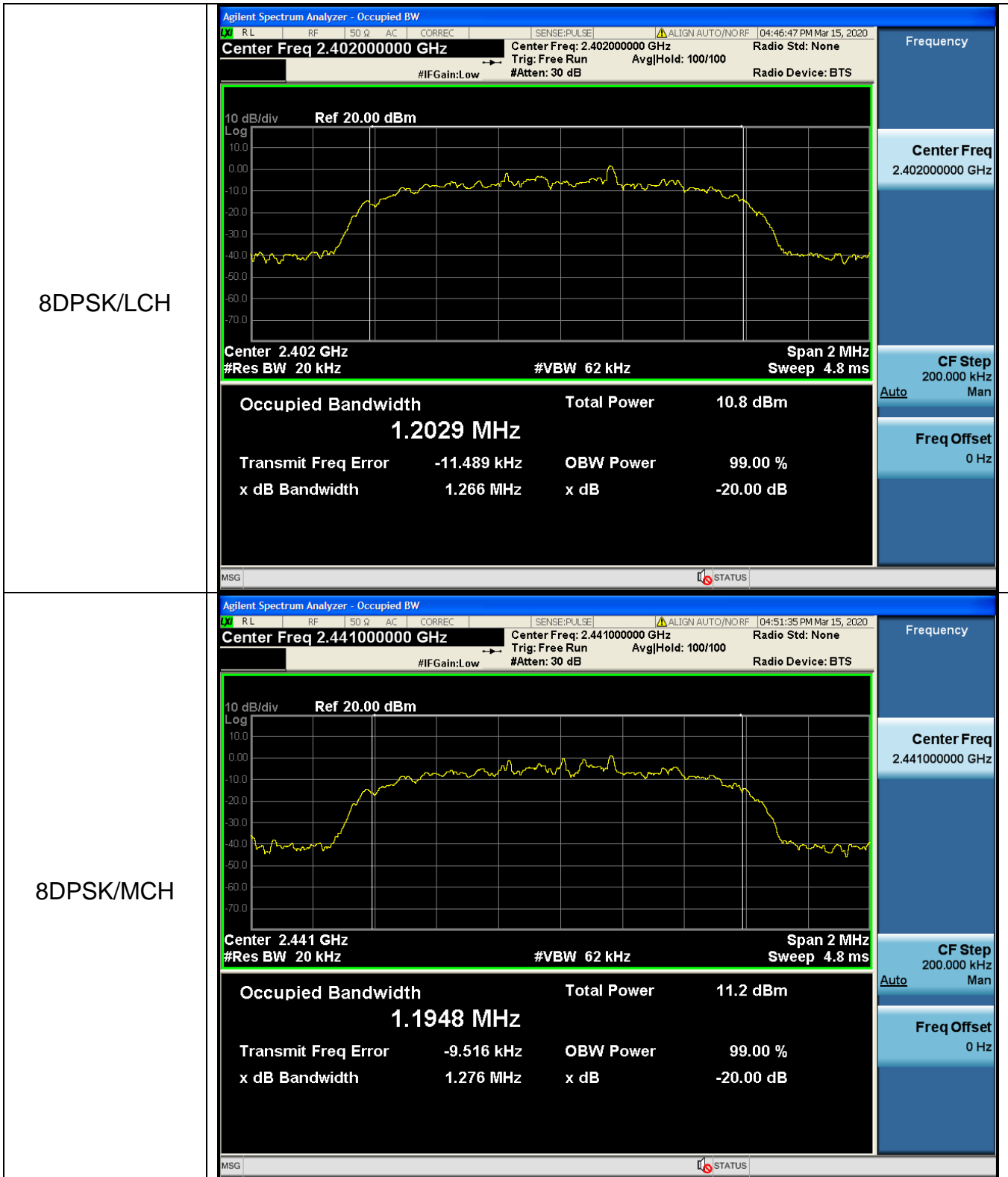


GFSK/MCH

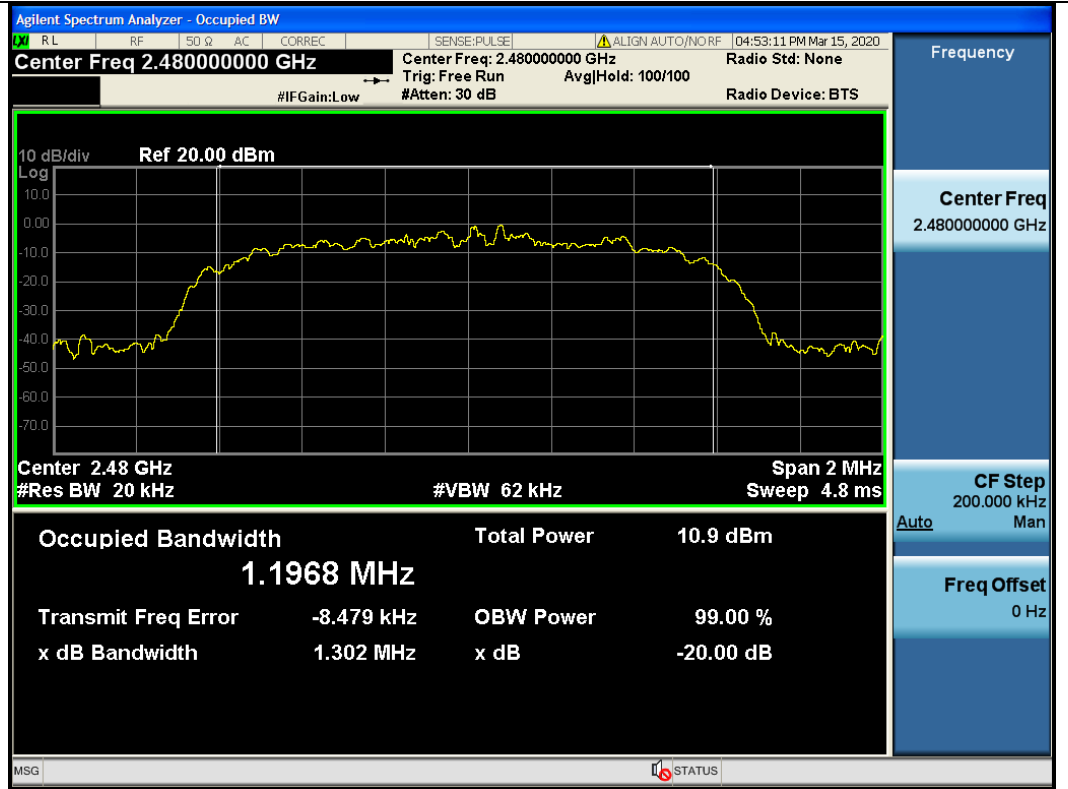








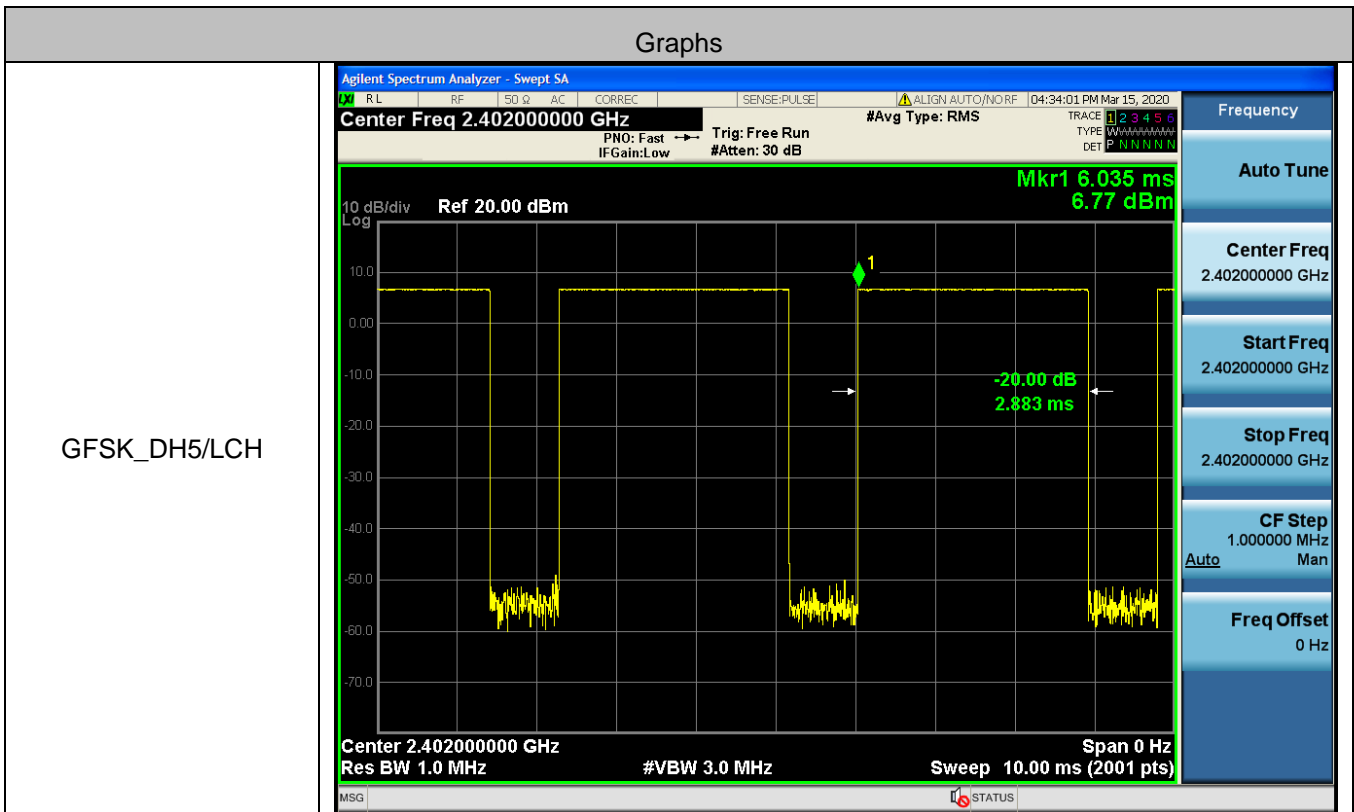
8DPSK/HCH



### A.2 Dwell Time

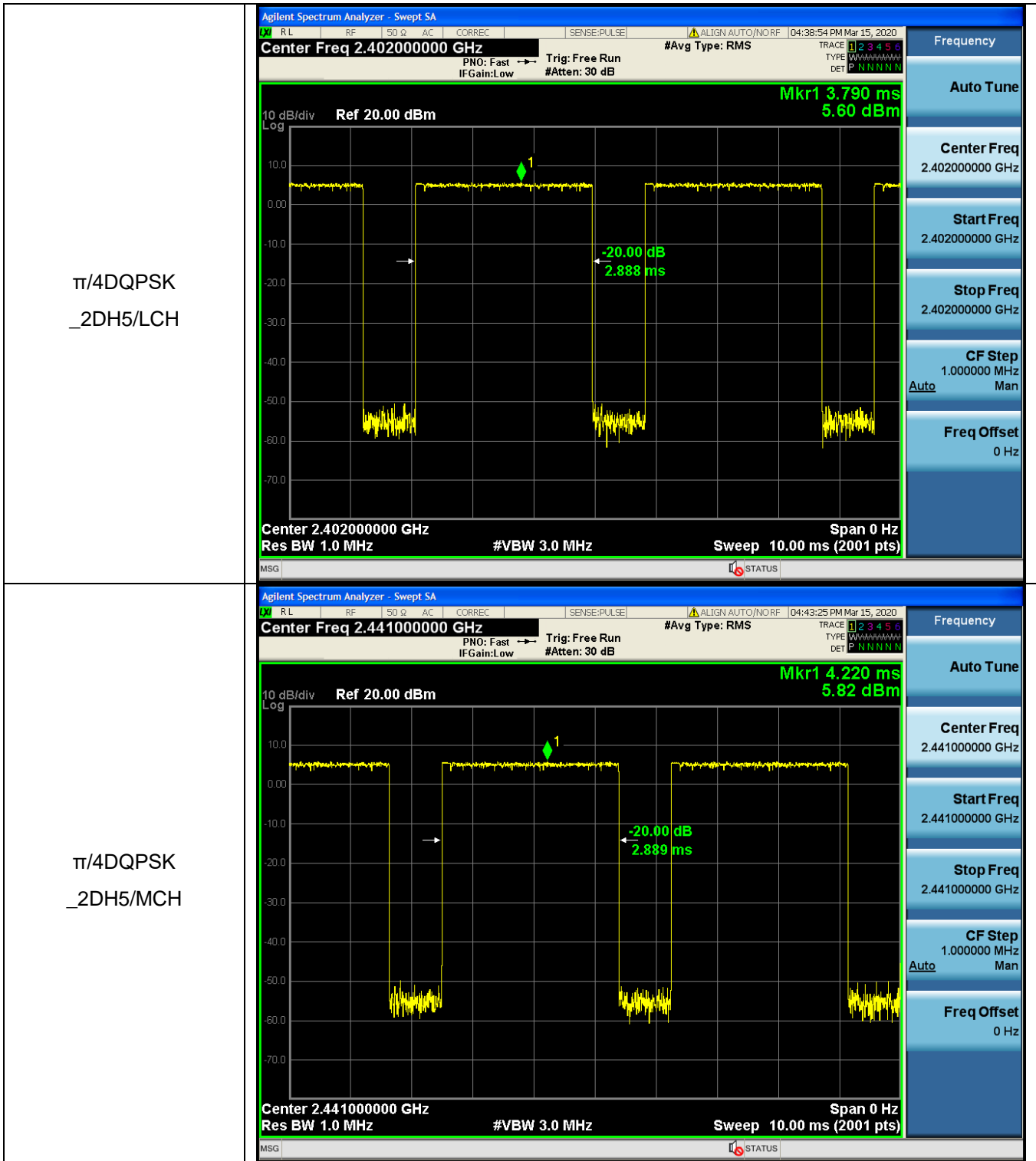
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.883	106.7	0.308	0.4	PASS
GFSK	DH5	MCH	2.888	106.7	0.308	0.4	PASS
GFSK	DH5	HCH	2.888	106.7	0.308	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.888	106.7	0.308	0.4	PASS
$\pi/4$ DQPSK	2DH5	MCH	2.889	106.7	0.308	0.4	PASS
$\pi/4$ DQPSK	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

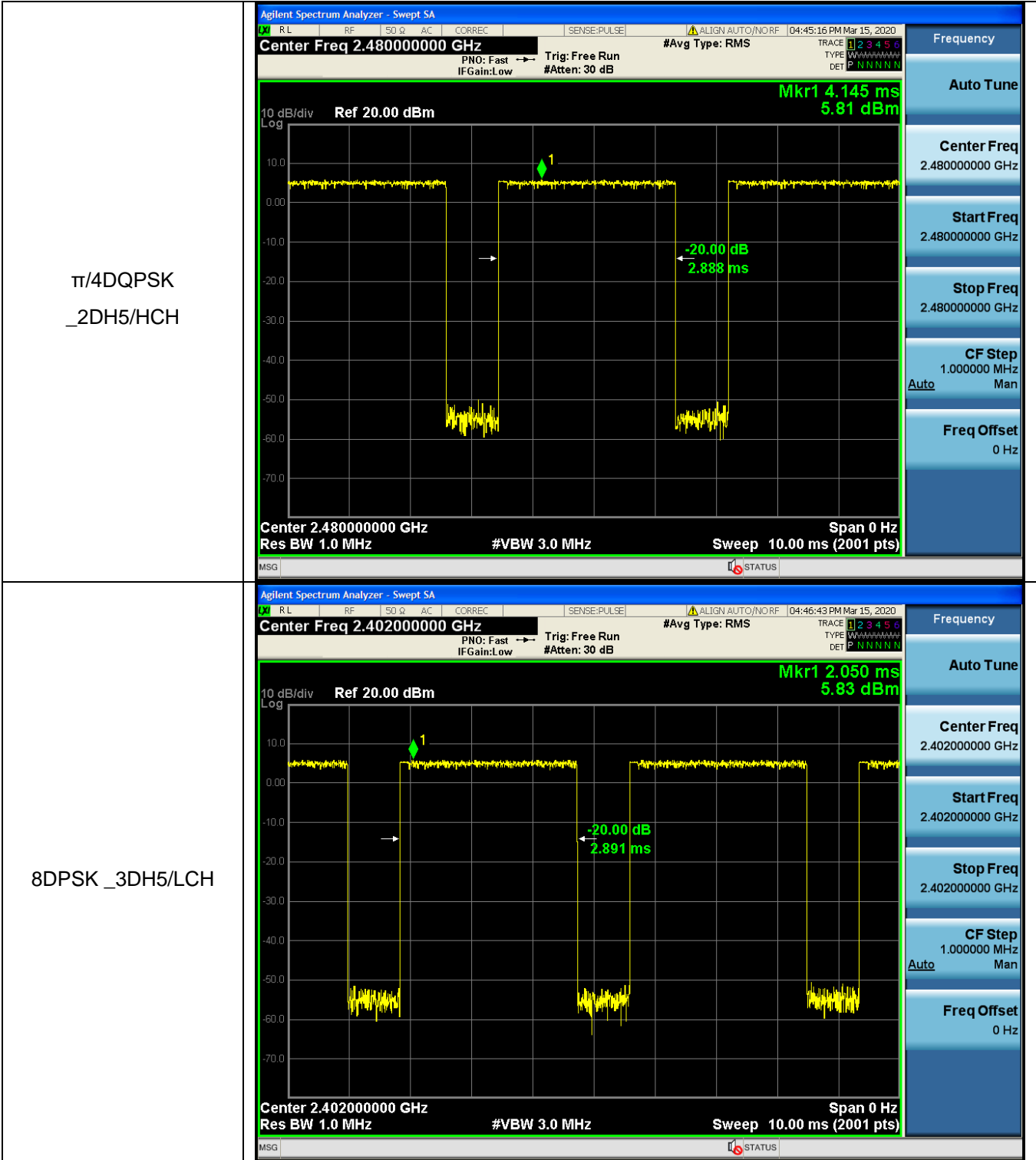
### Test Graph

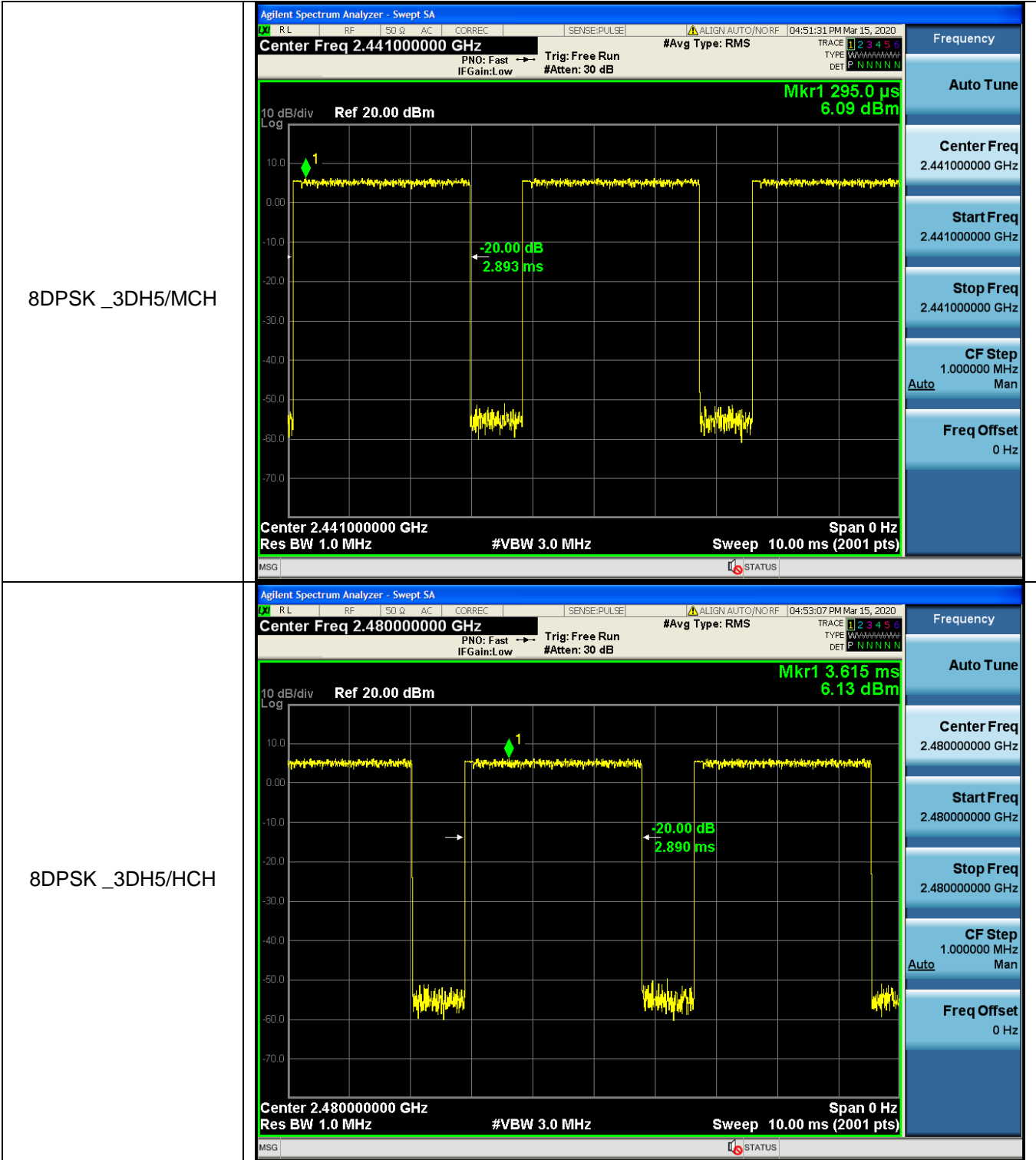








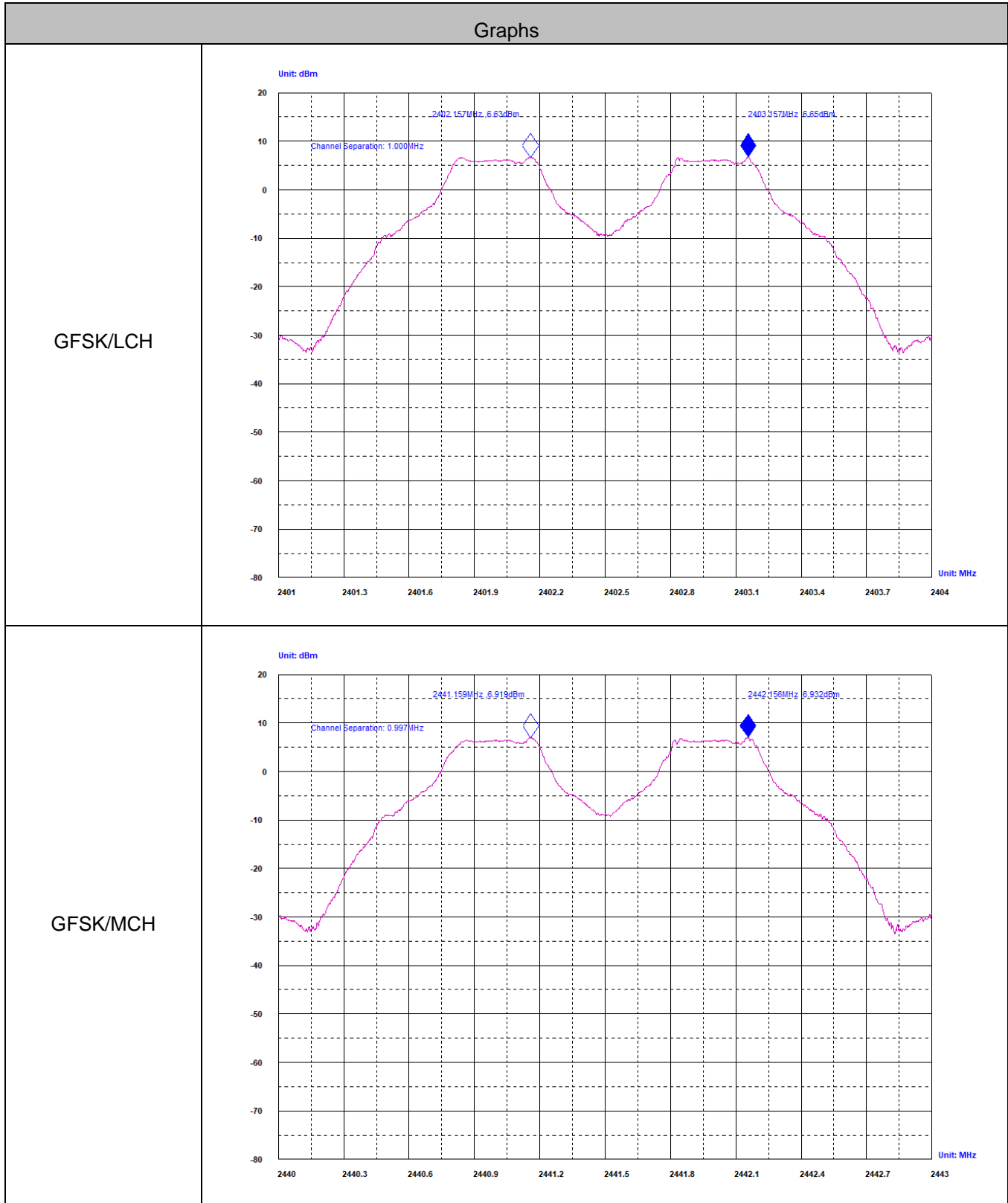




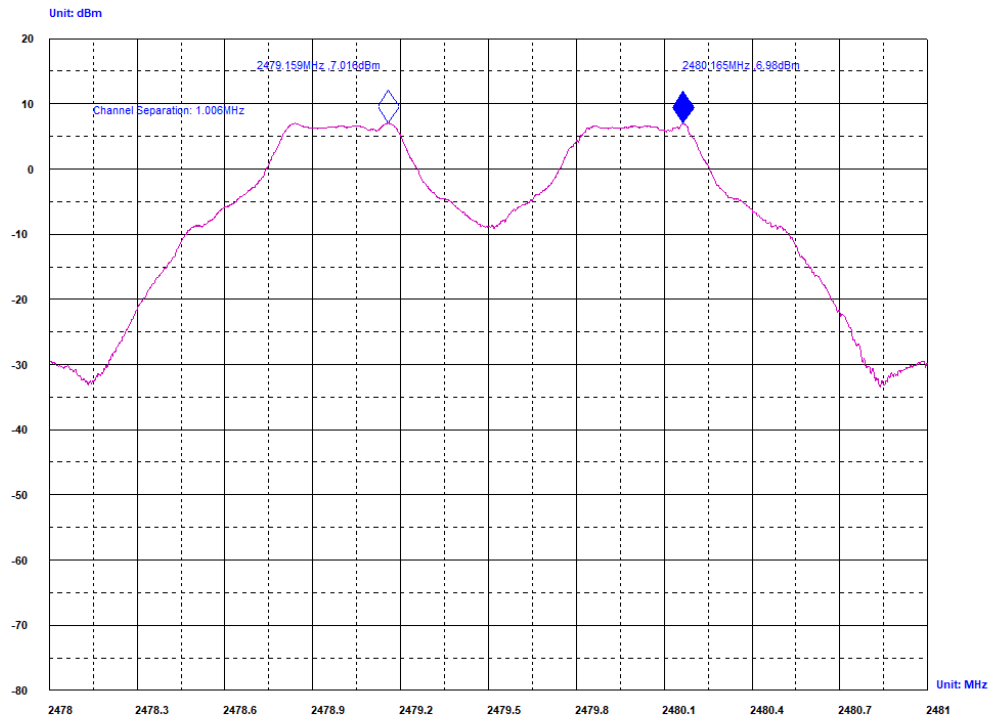
### A.3 Carrier Frequency Separation

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
$\pi/4$ DQPSK	LCH	1.003	0.858	PASS
$\pi/4$ DQPSK	MCH	1.001	0.866	PASS
$\pi/4$ DQPSK	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

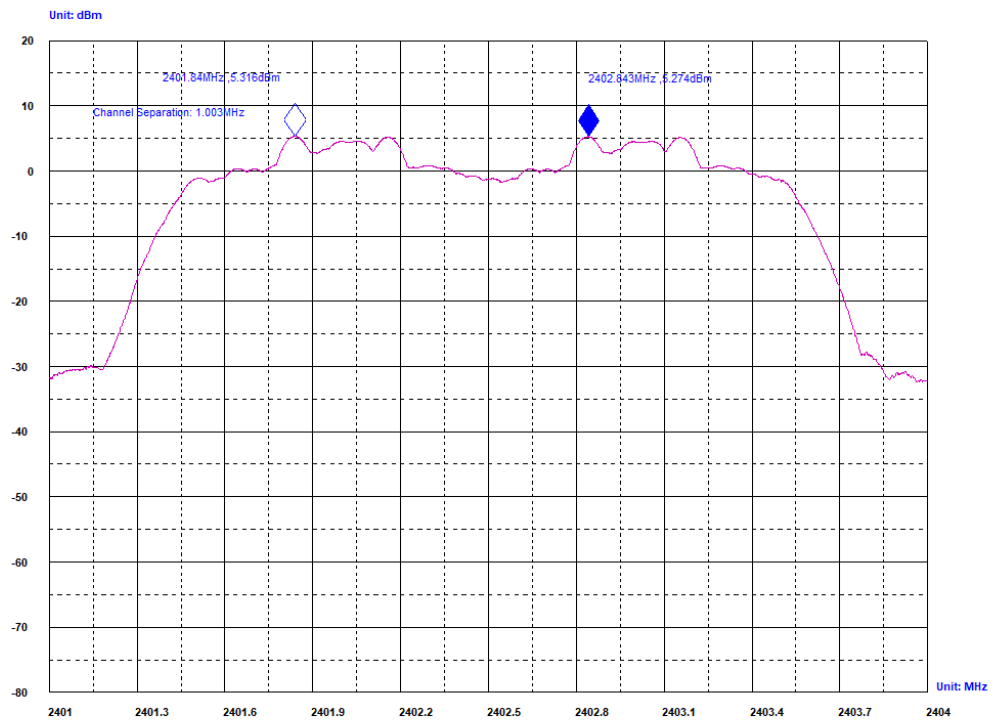
### Test Graph



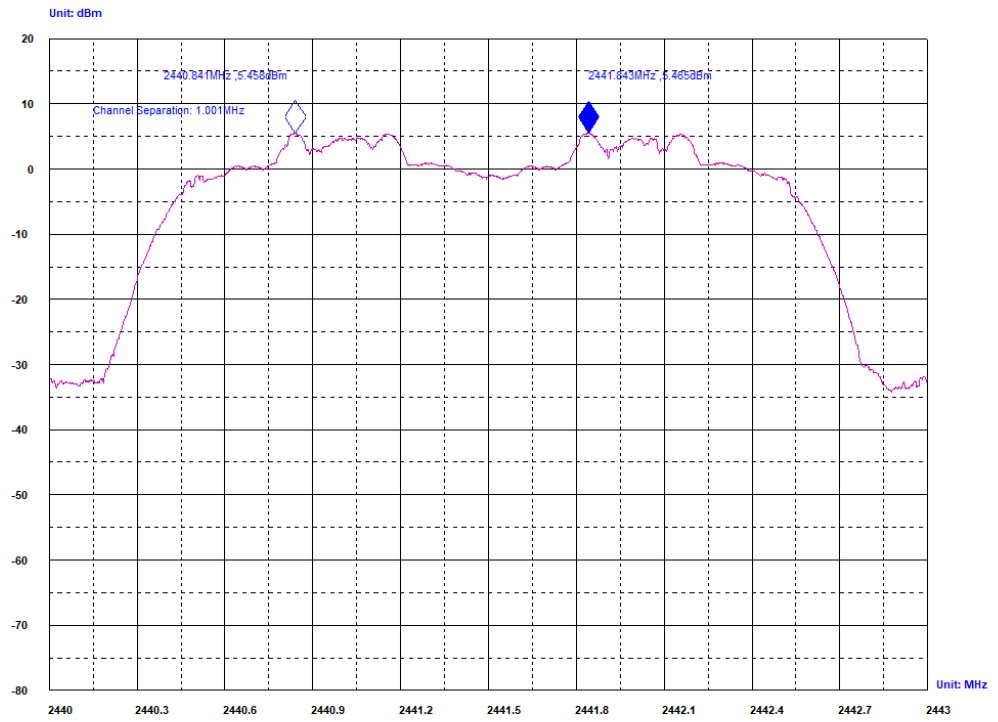
GFSK/HCH



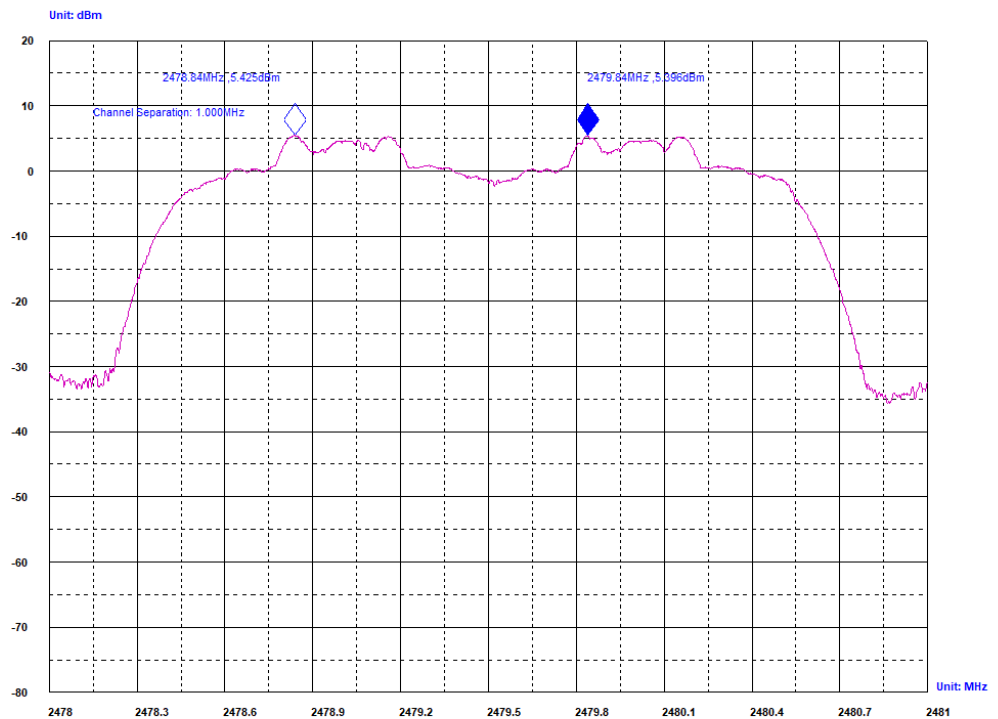
$\pi$ /4DQPSK/LCH



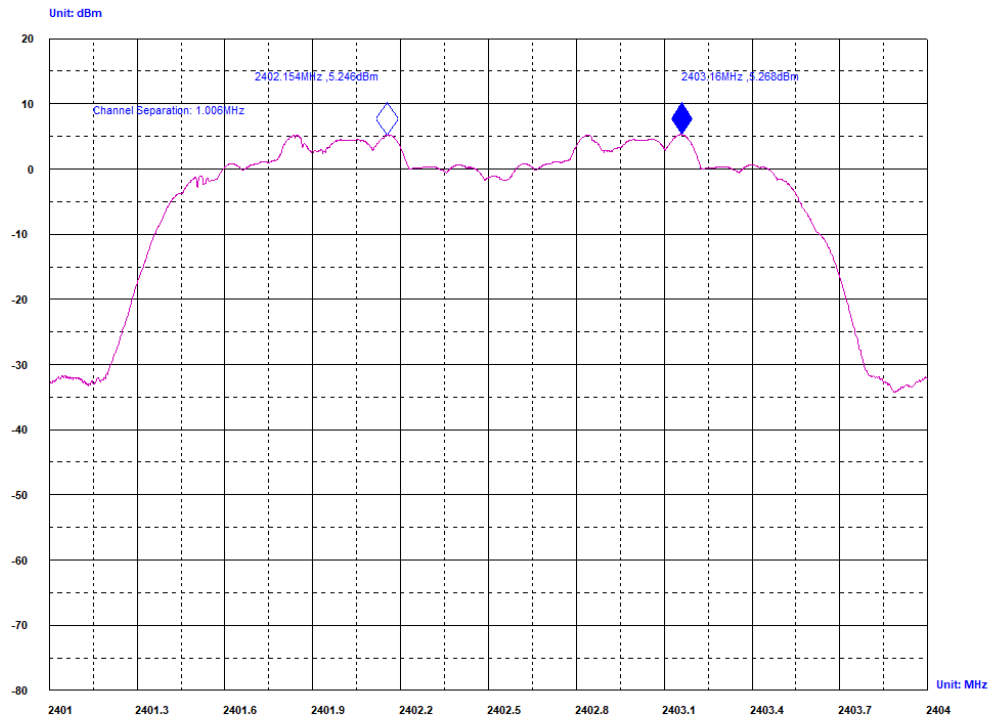
$\pi$ /4DQPSK/MCH



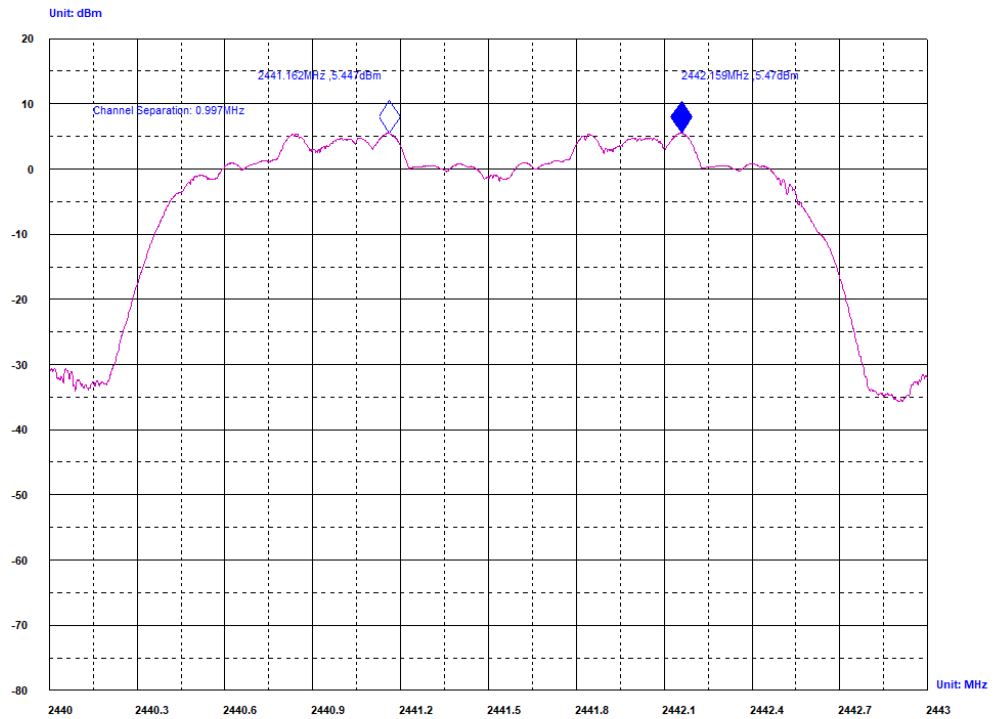
$\pi$ /4DQPSK/HCH



8DPSK/LCH

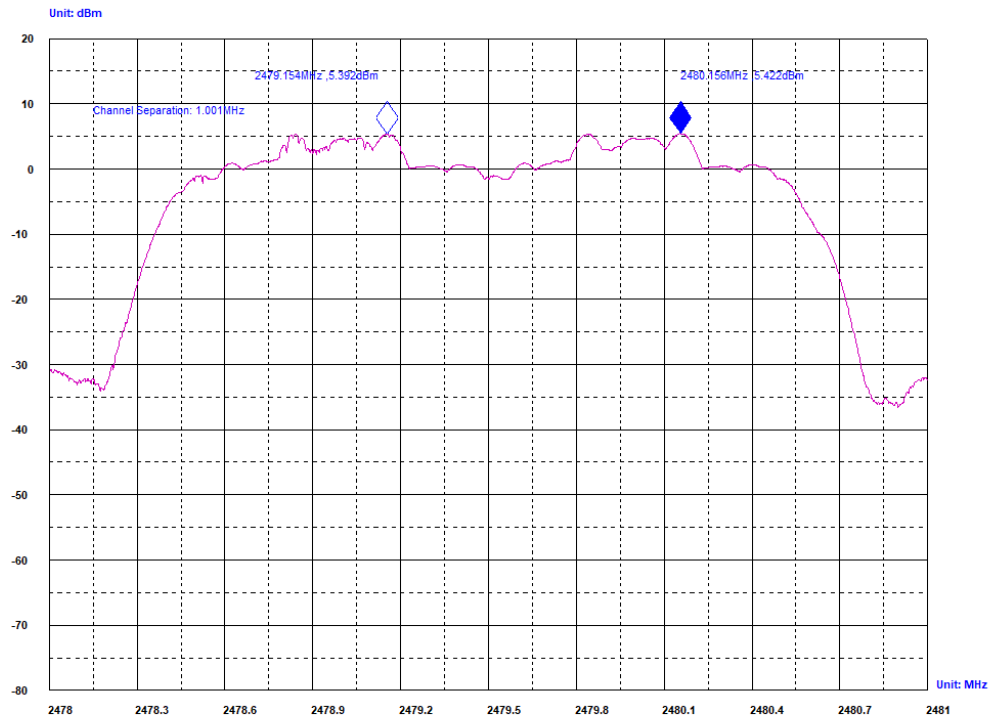


8DPSK/MCH





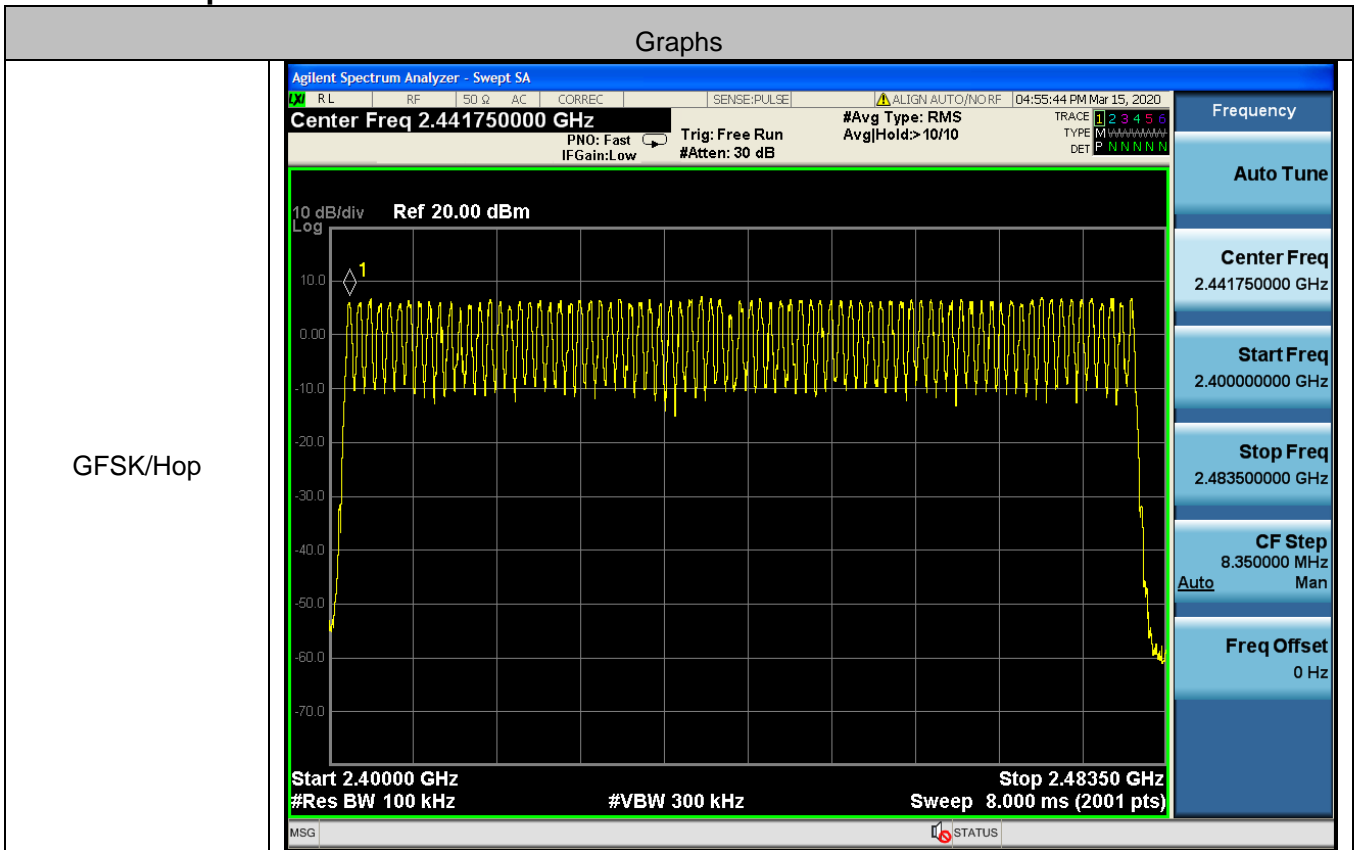
8DPSK/HCH

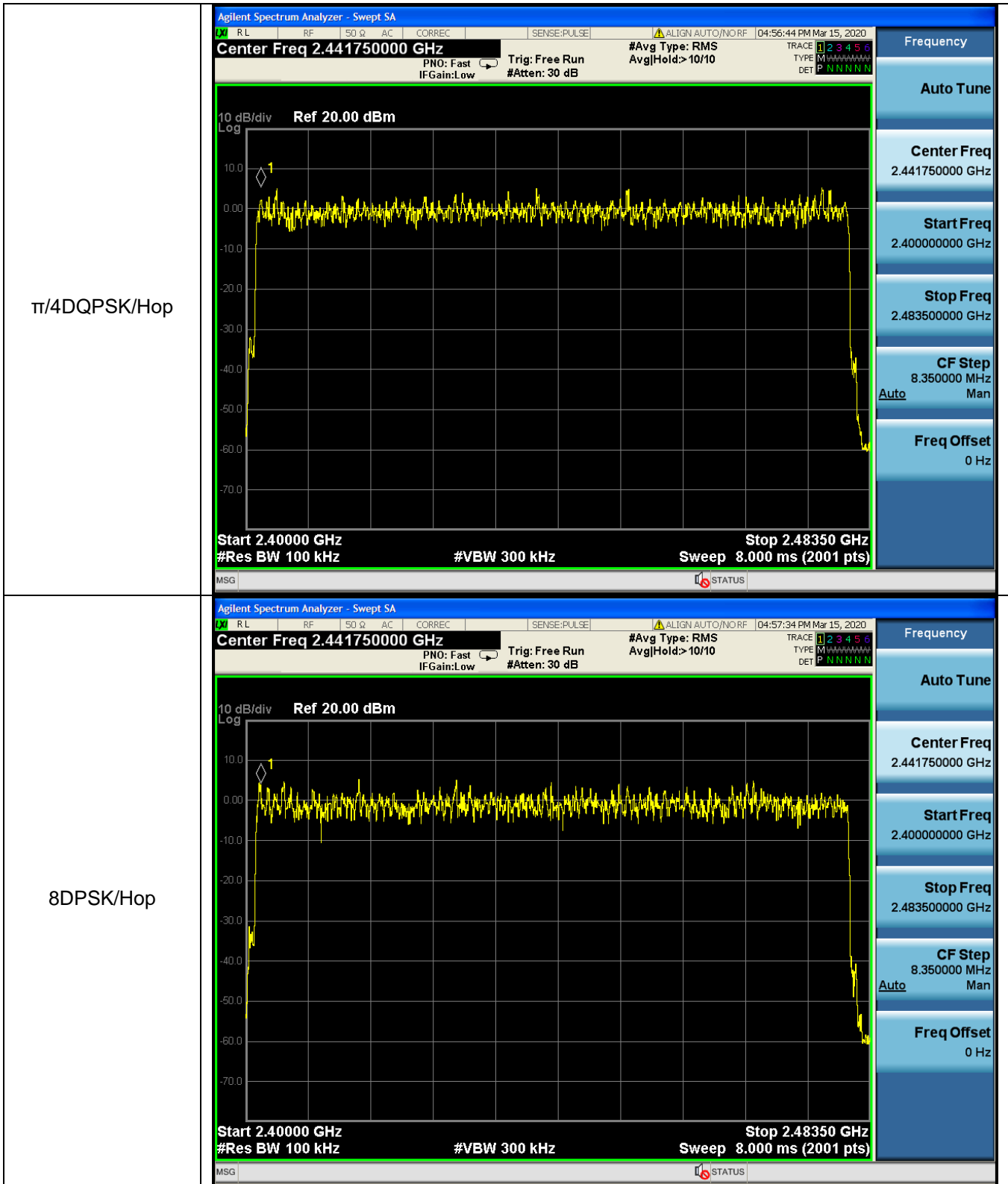


### A.4 Hopping Channel Number

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 Graph

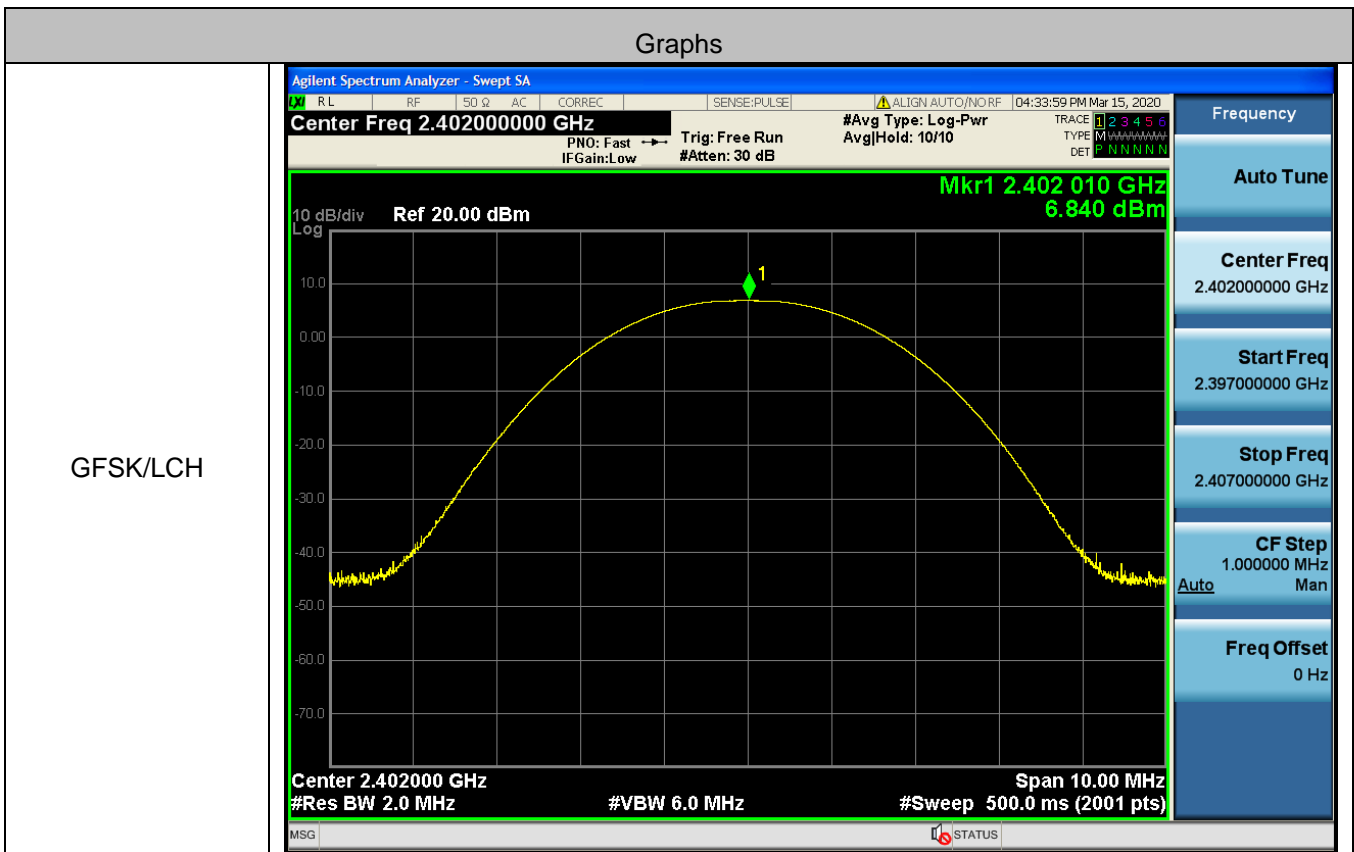


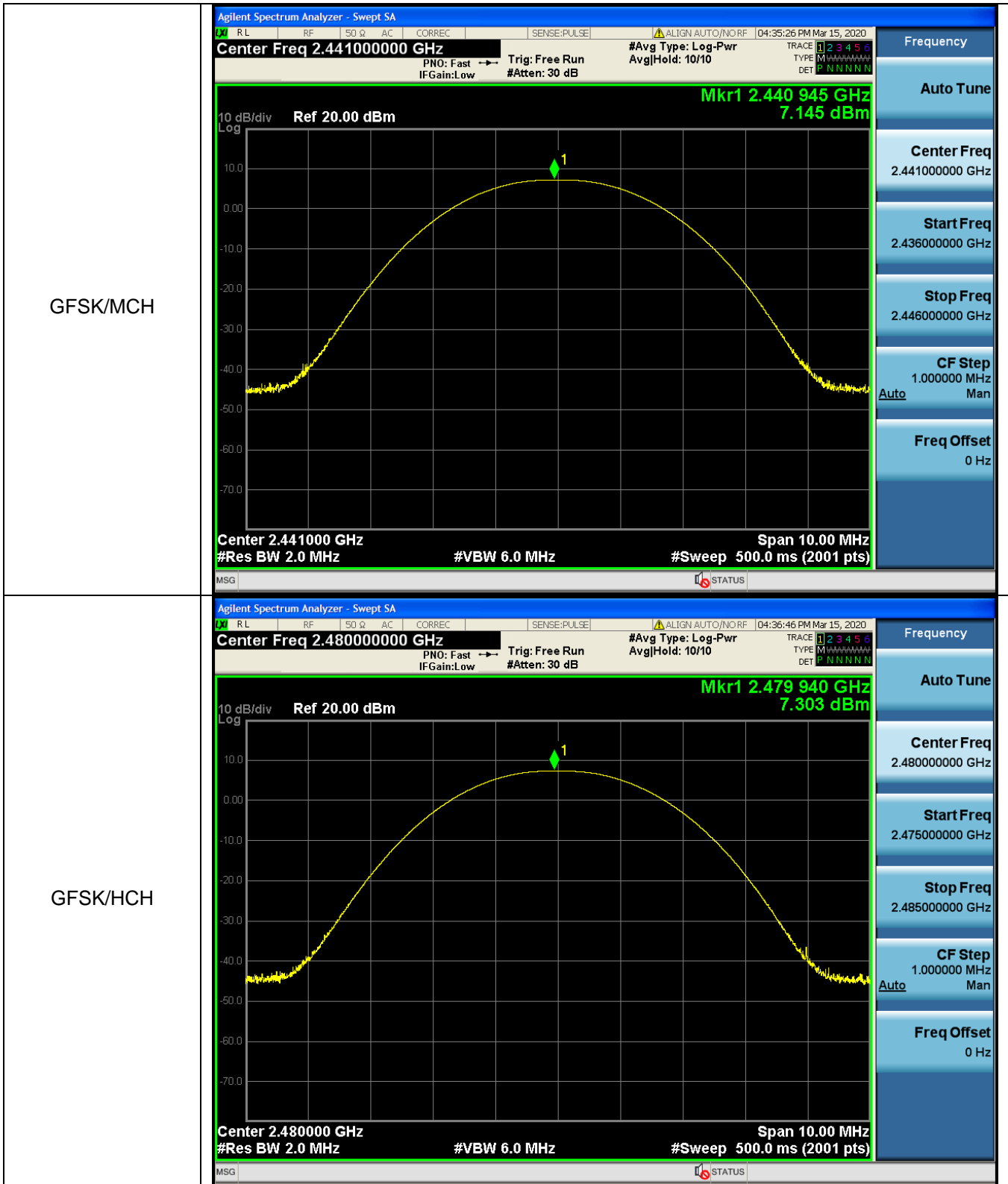


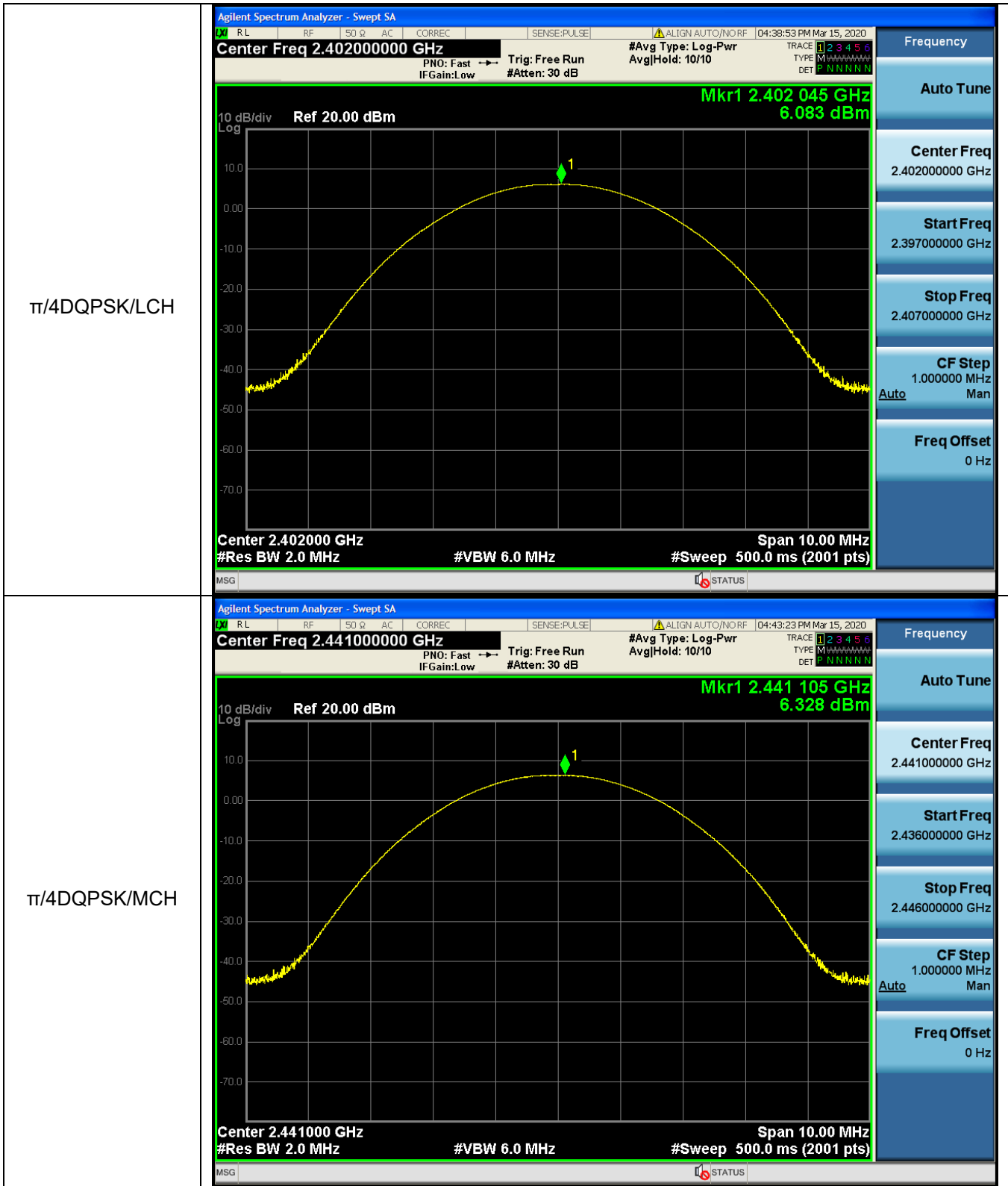
### A.5 Conducted Peak Output Power

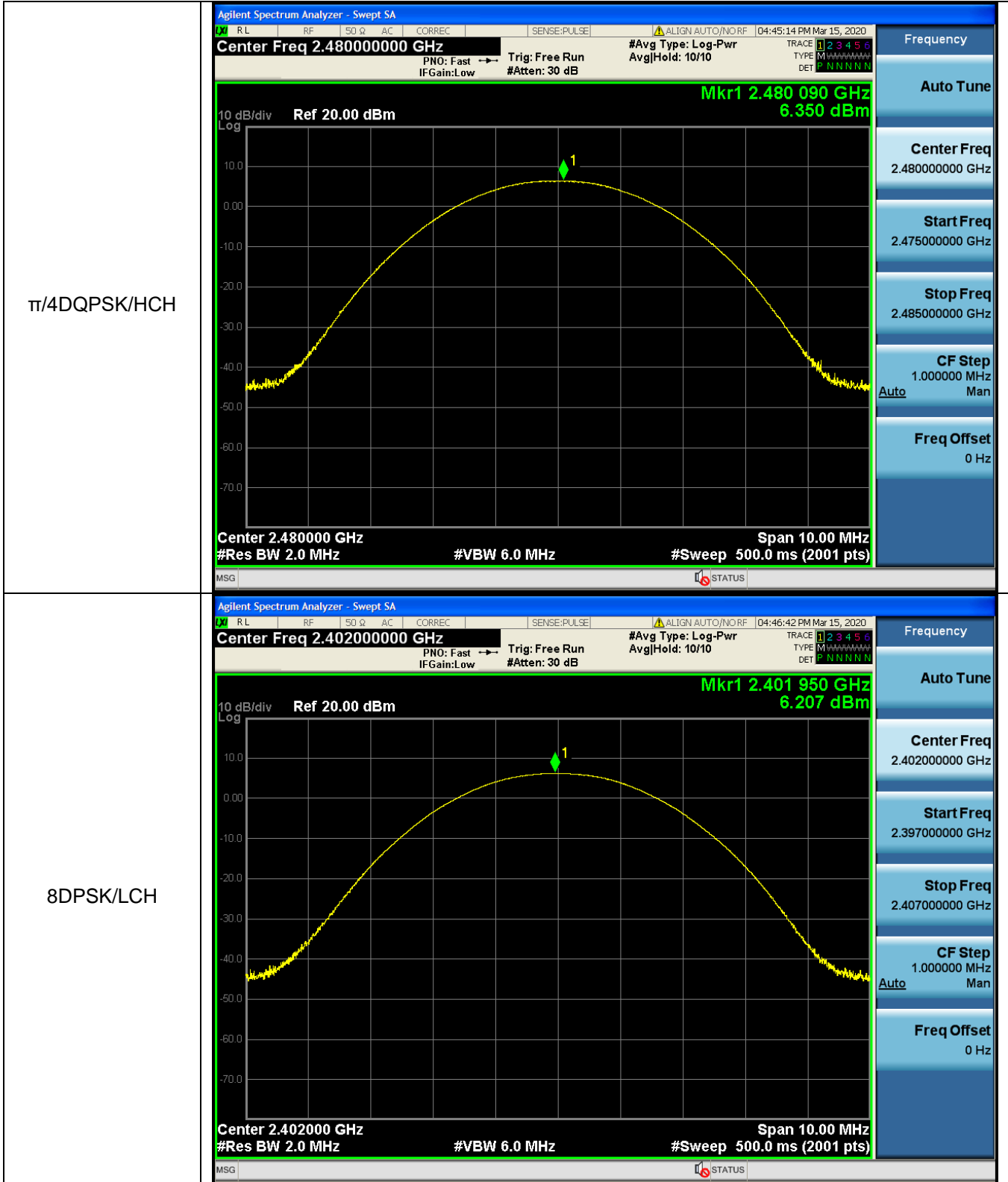
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	6.840	21	PASS
GFSK	MCH	7.145	21	PASS
GFSK	HCH	7.303	21	PASS
$\pi/4$ DQPSK	LCH	6.083	21	PASS
$\pi/4$ DQPSK	MCH	6.328	21	PASS
$\pi/4$ DQPSK	HCH	6.350	21	PASS
8DPSK	LCH	6.207	21	PASS
8DPSK	MCH	6.494	21	PASS
8DPSK	HCH	6.557	21	PASS

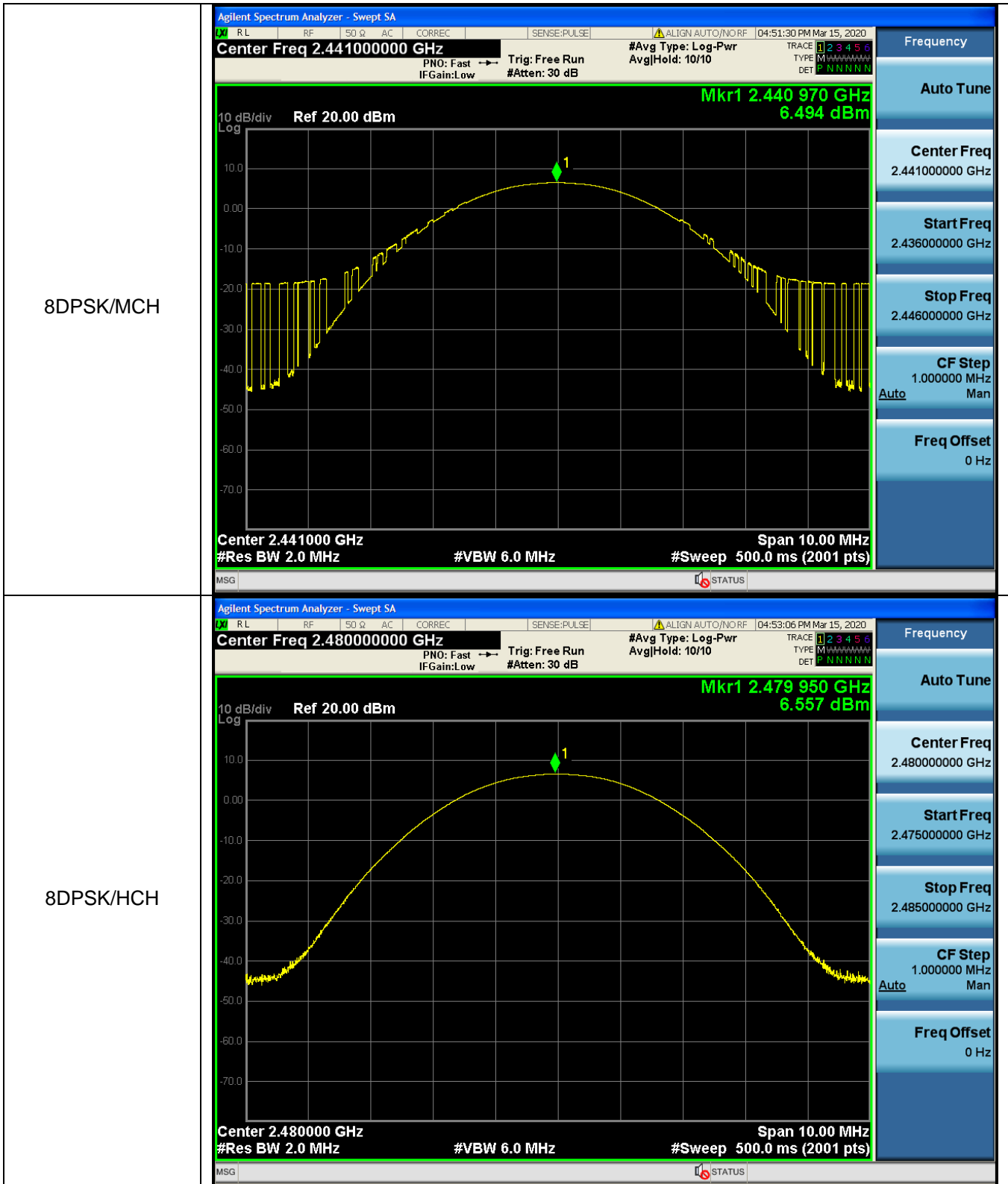
### Test Graph











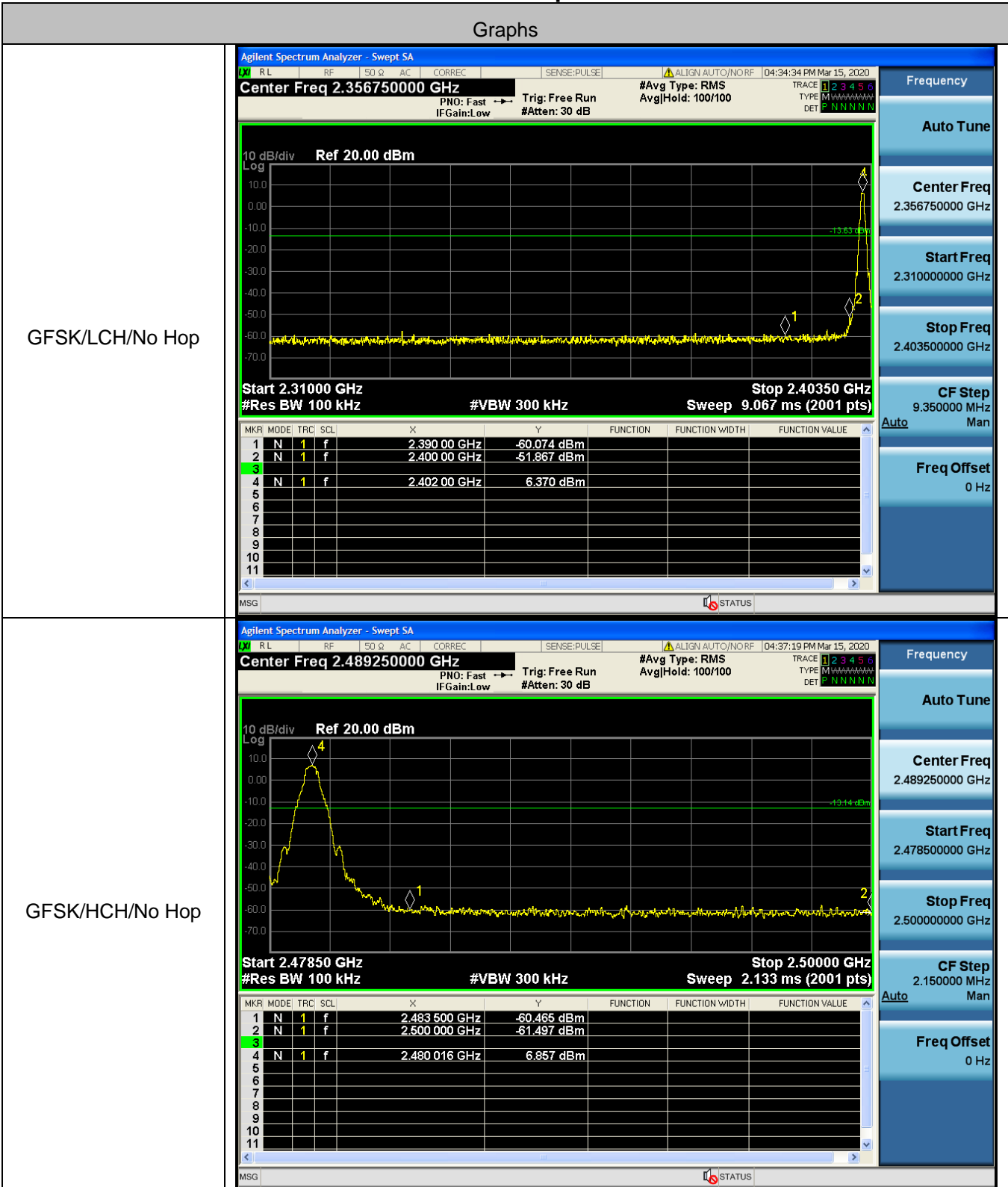


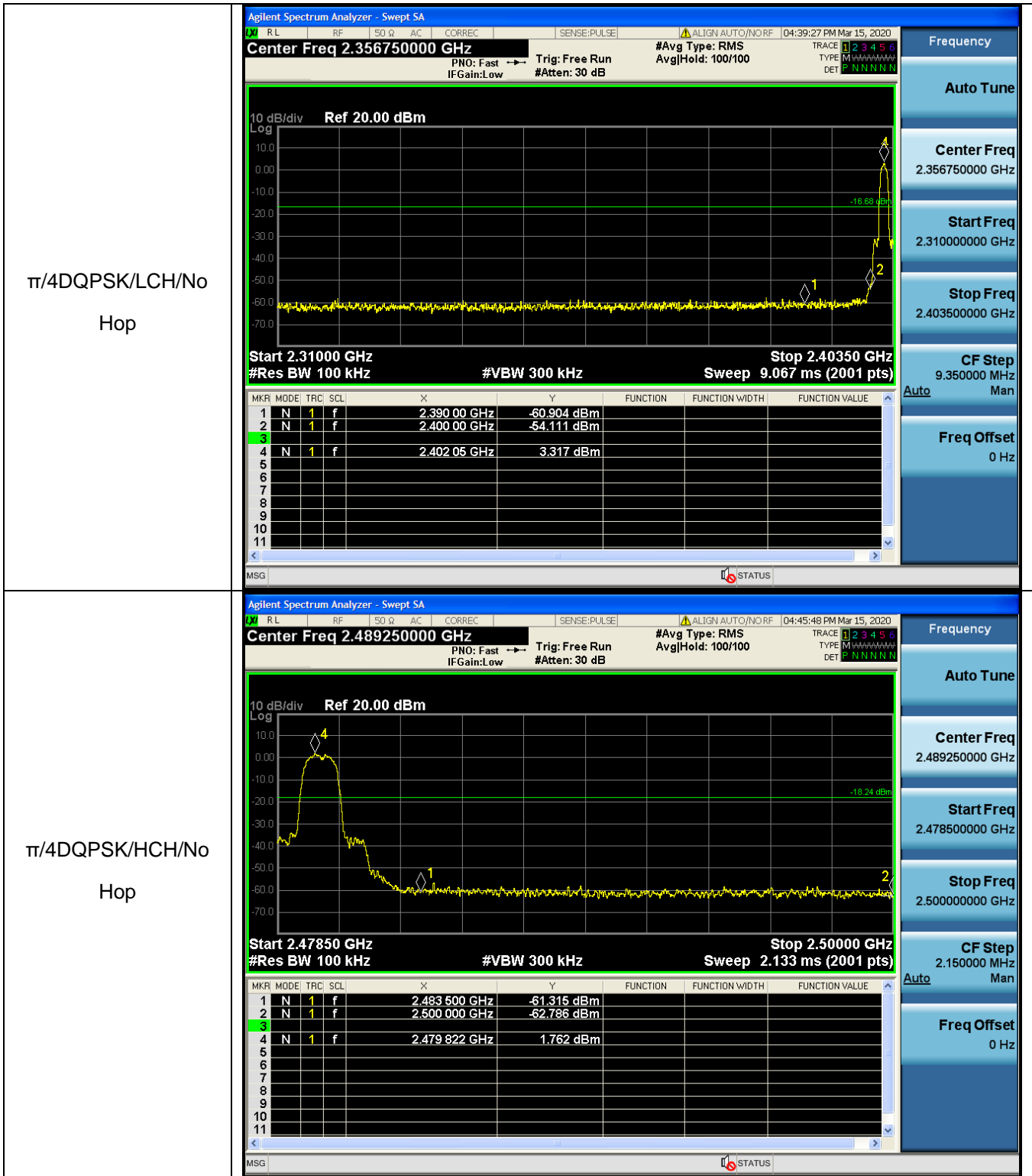
**A.6 Band-edge for RF Conducted Emissions**

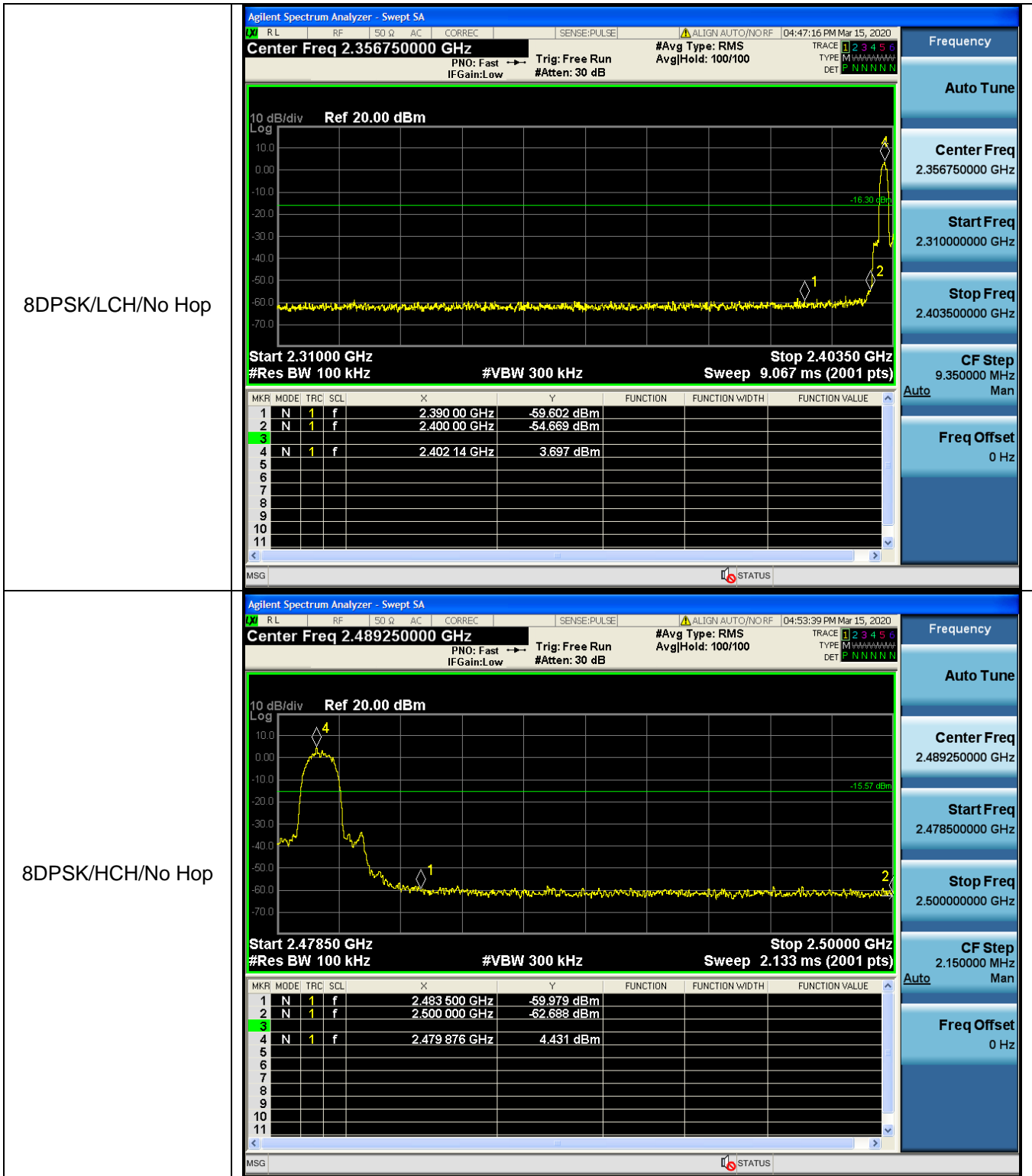
Type	Carrier Frequency (MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2400	6.37	-51.87	-13.63	Pass
1DH5	2480	2483.5	6.857	-60.46	-13.143	Pass
2DH5	2402	2400	3.317	-54.11	-16.683	Pass
2DH5	2480	2483.5	1.762	-61.32	-18.238	Pass
3DH5	2402	2400	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

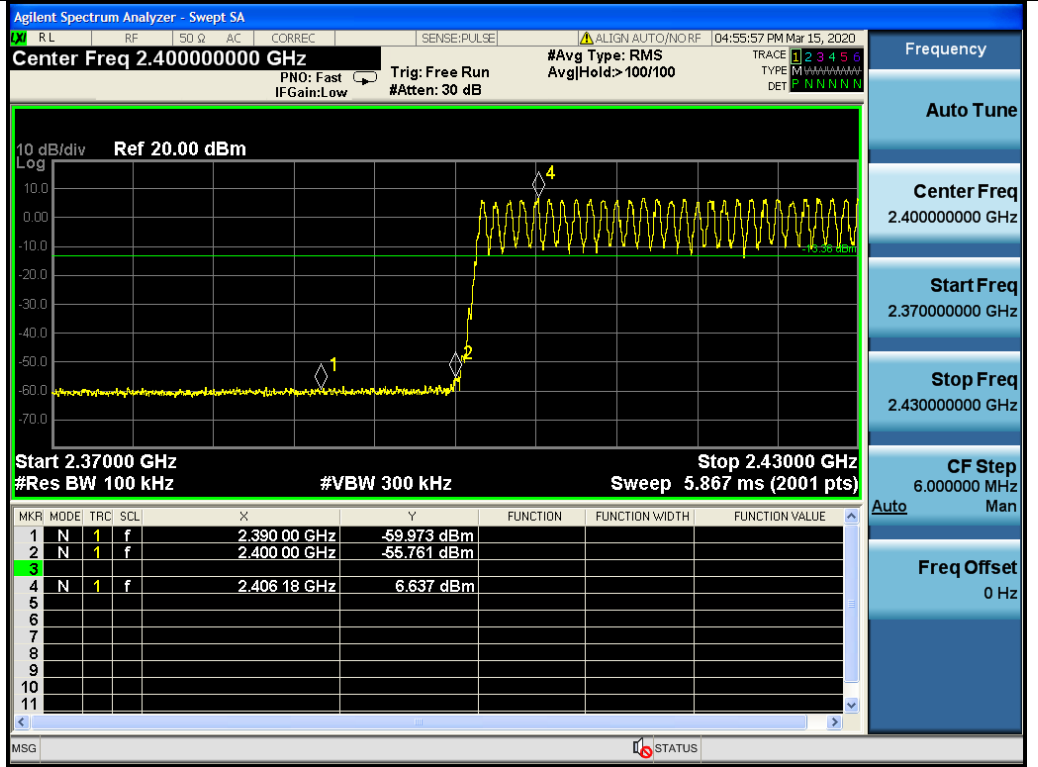
#### Graphs



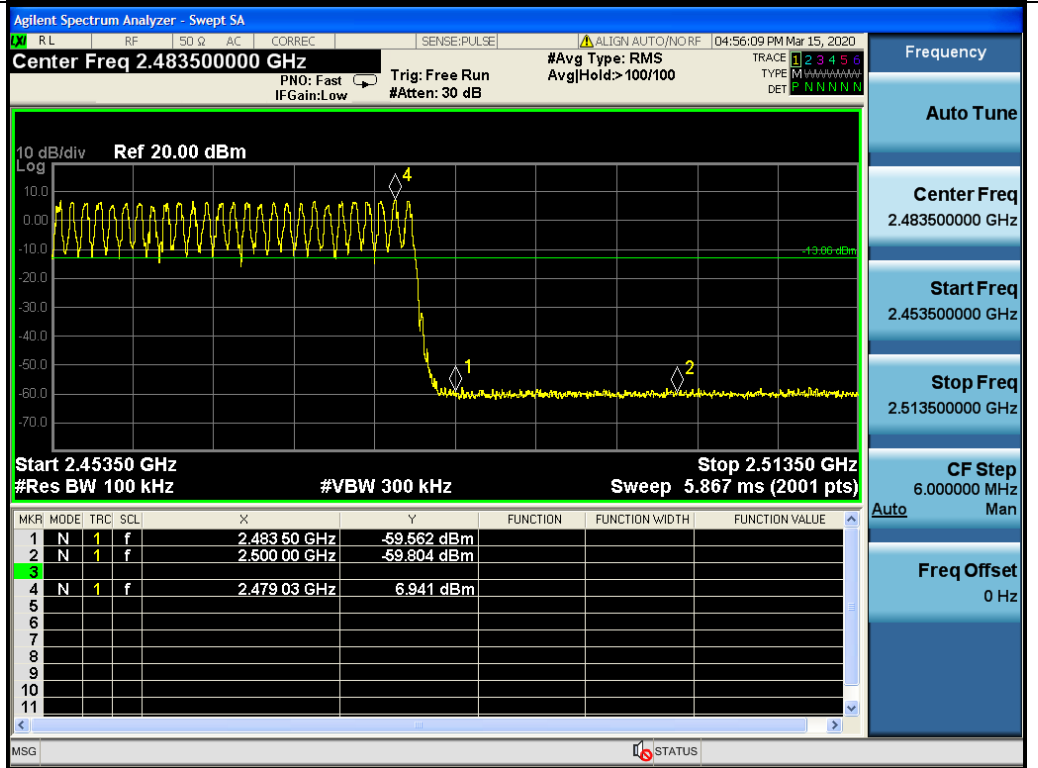


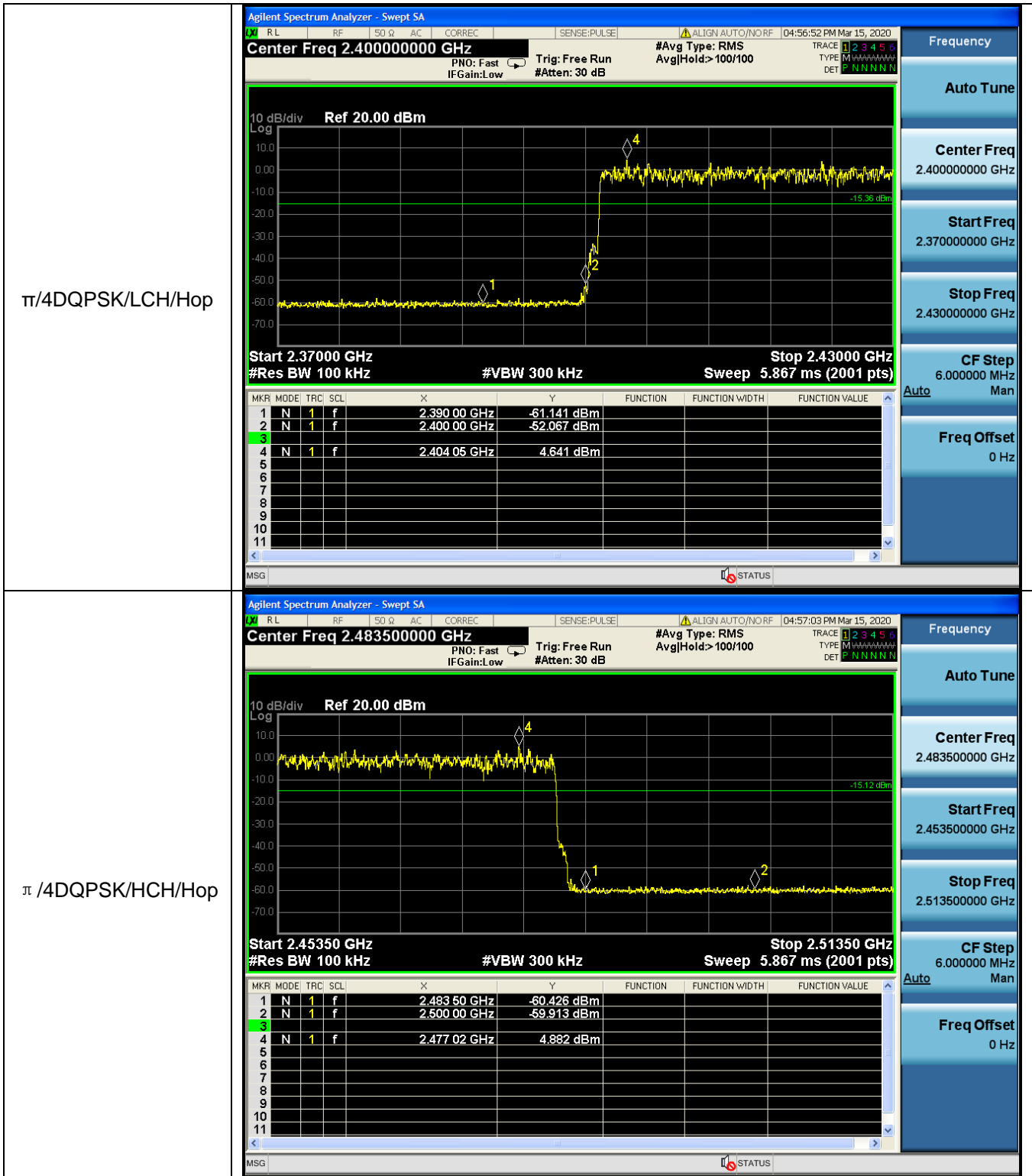


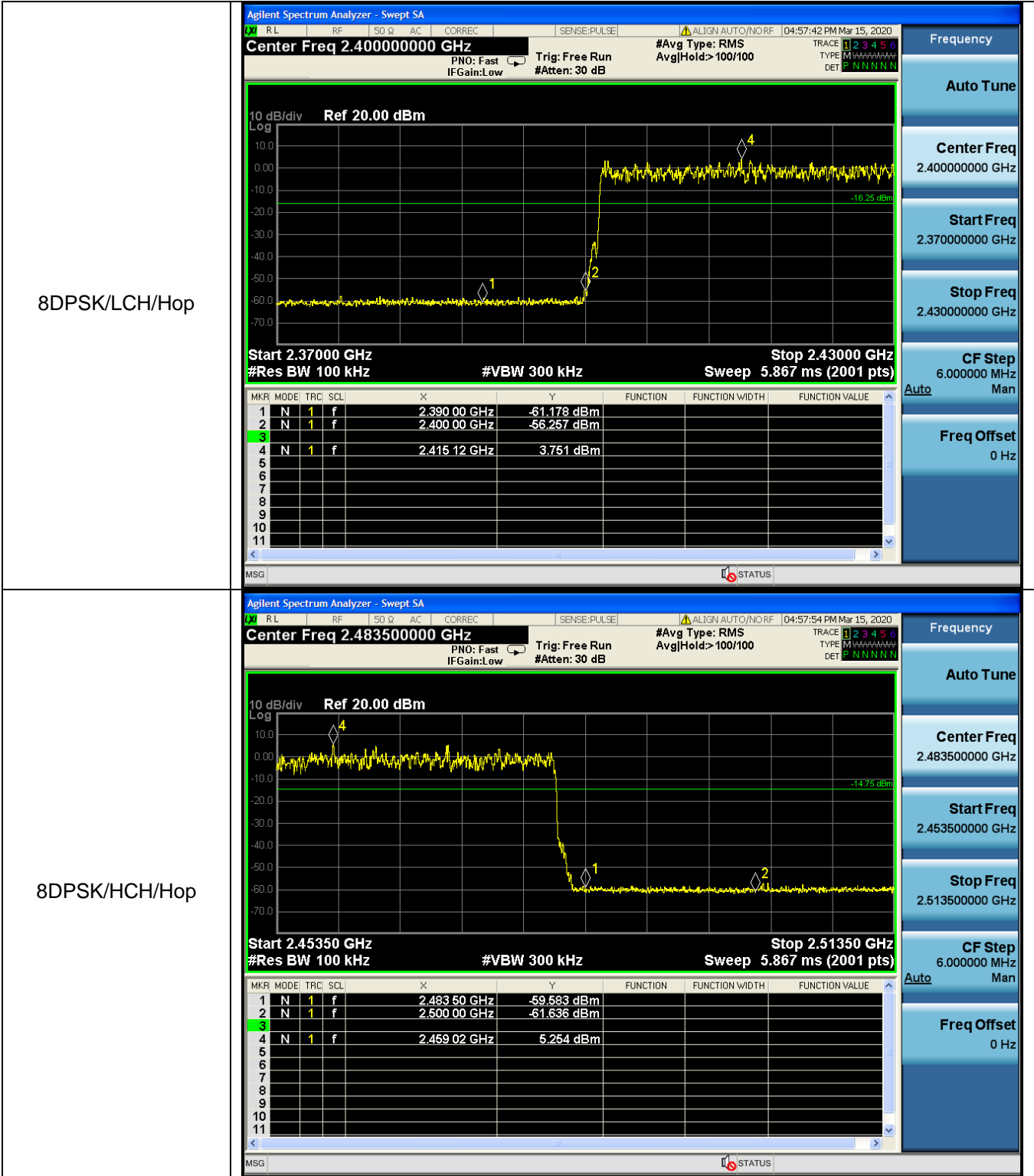
GFSK/LCH/Hop



GFSK/HCH/Hop

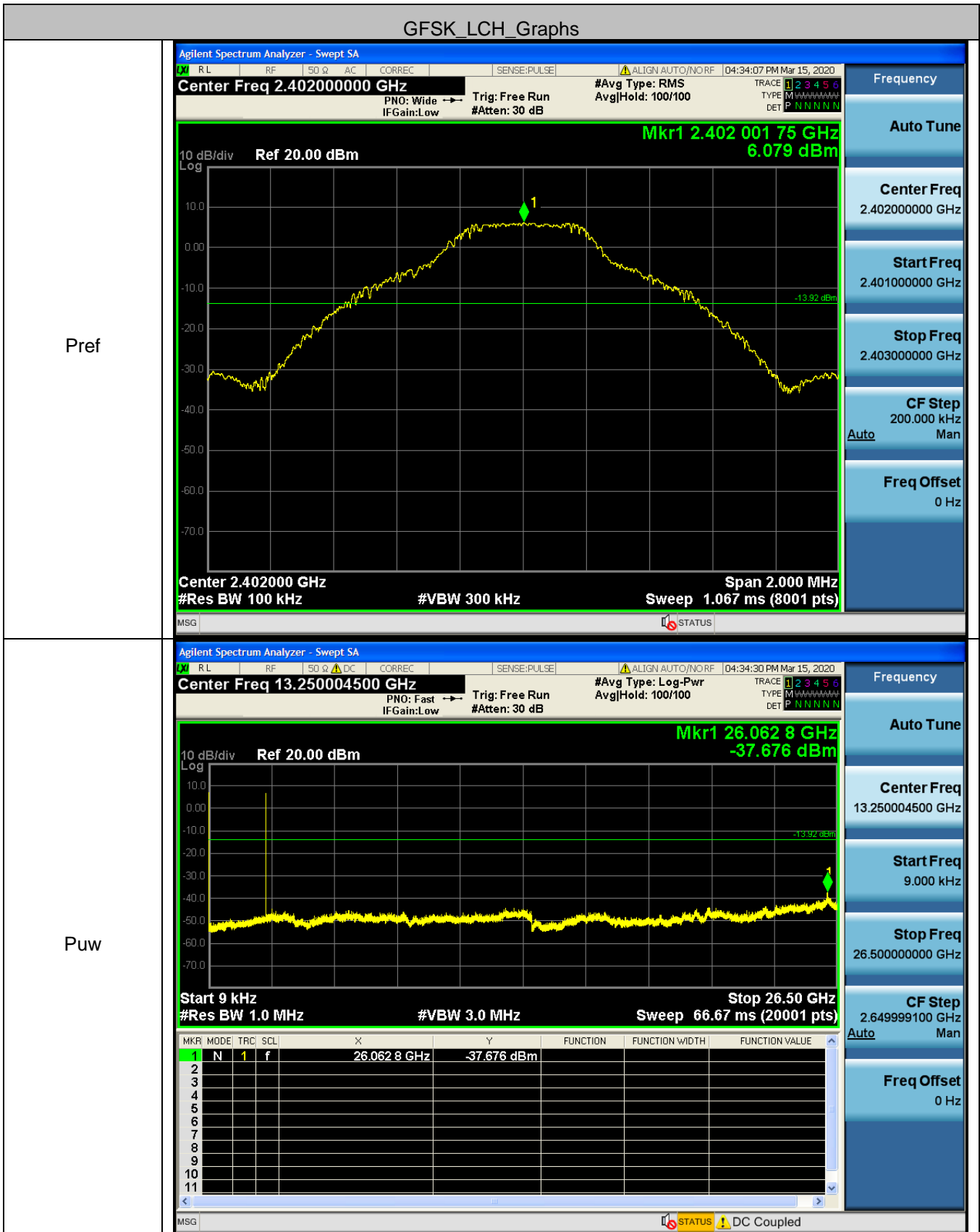






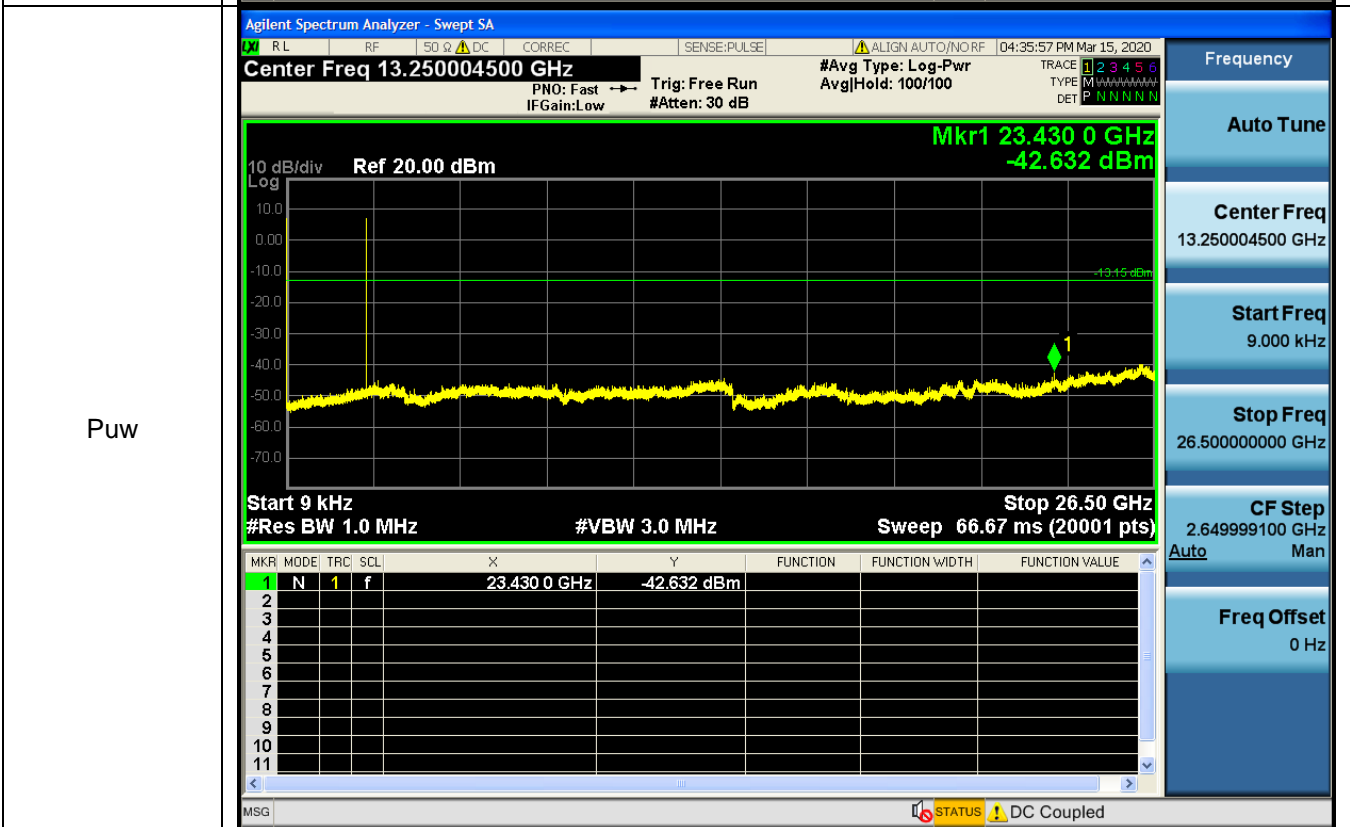
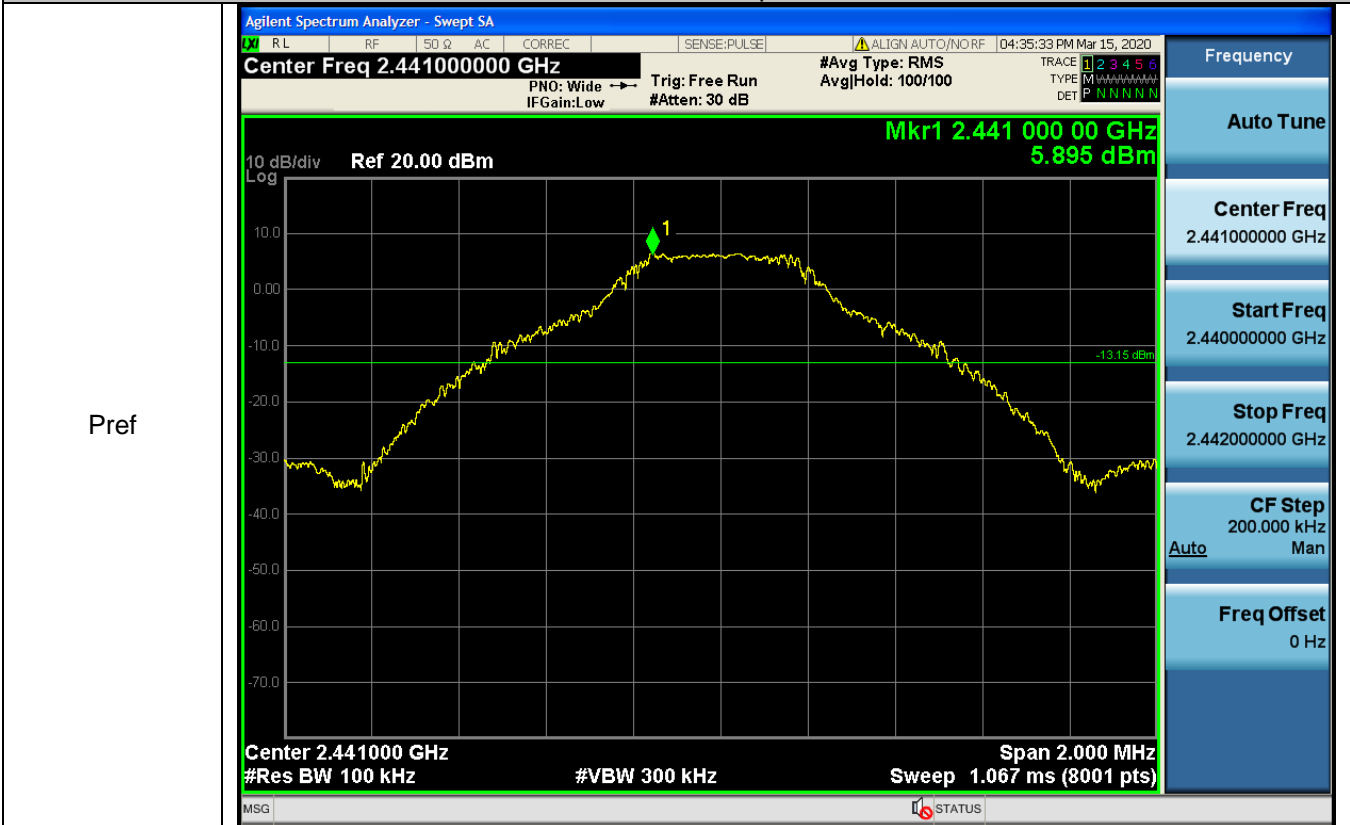
### A.7 RF Conducted Spurious Emissions

#### Test Graph



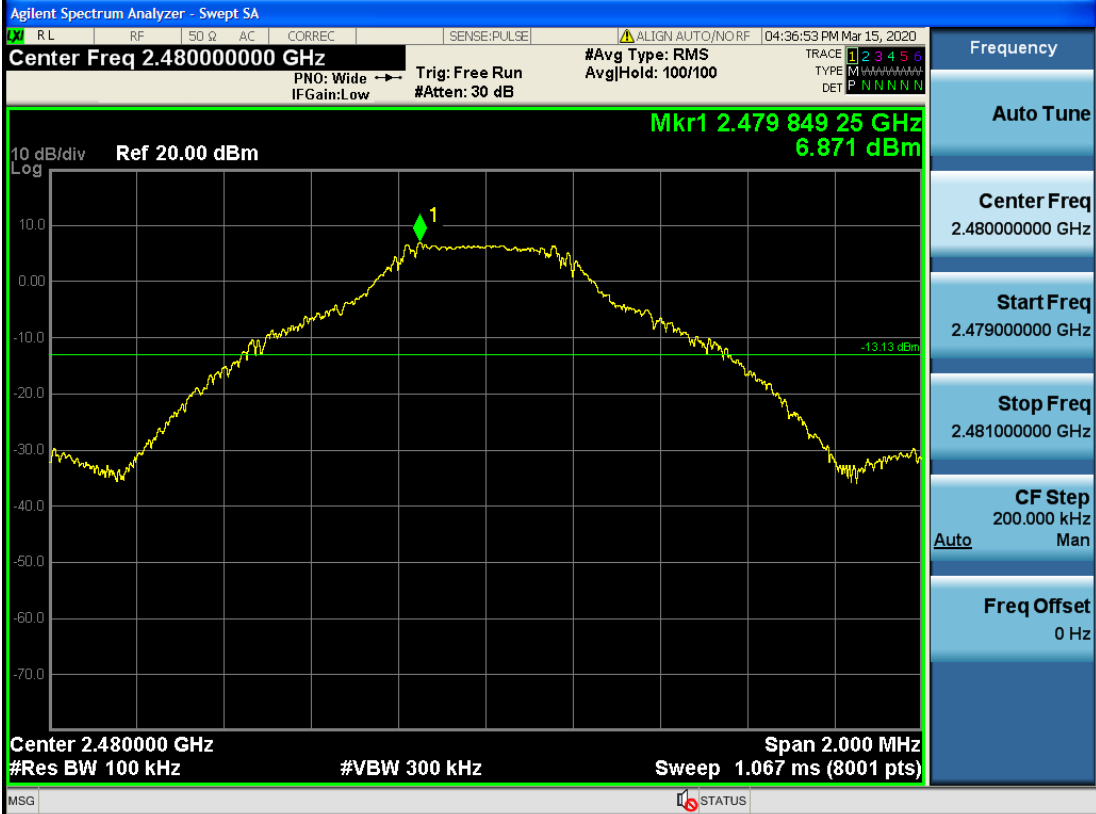


GFSK\_MCH\_Graphs

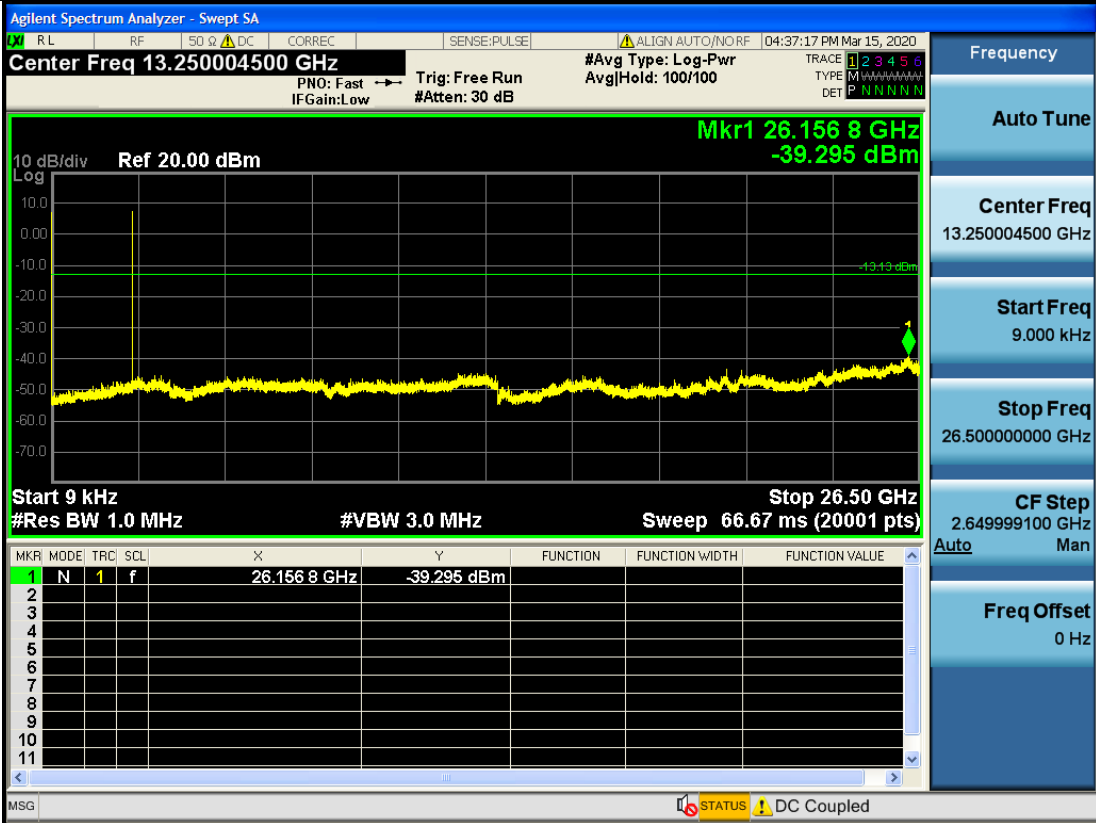


GFSK\_HCH\_Graphs

Pref

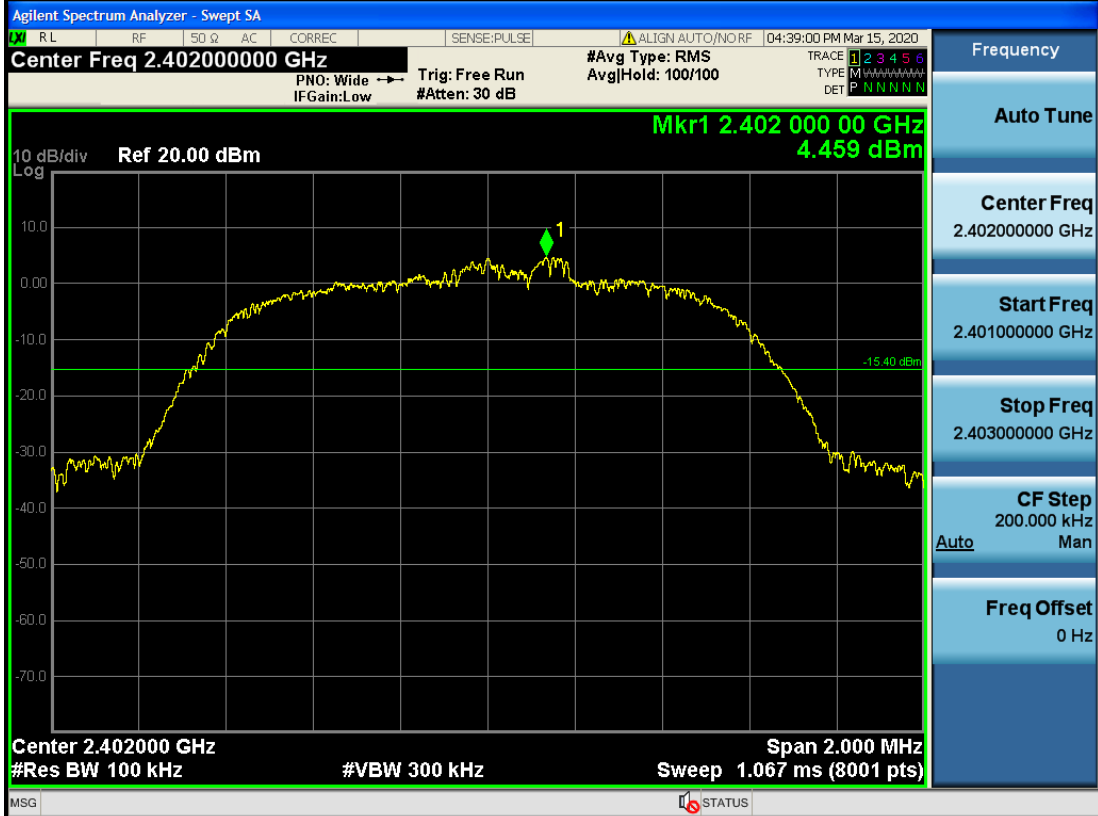


Puw

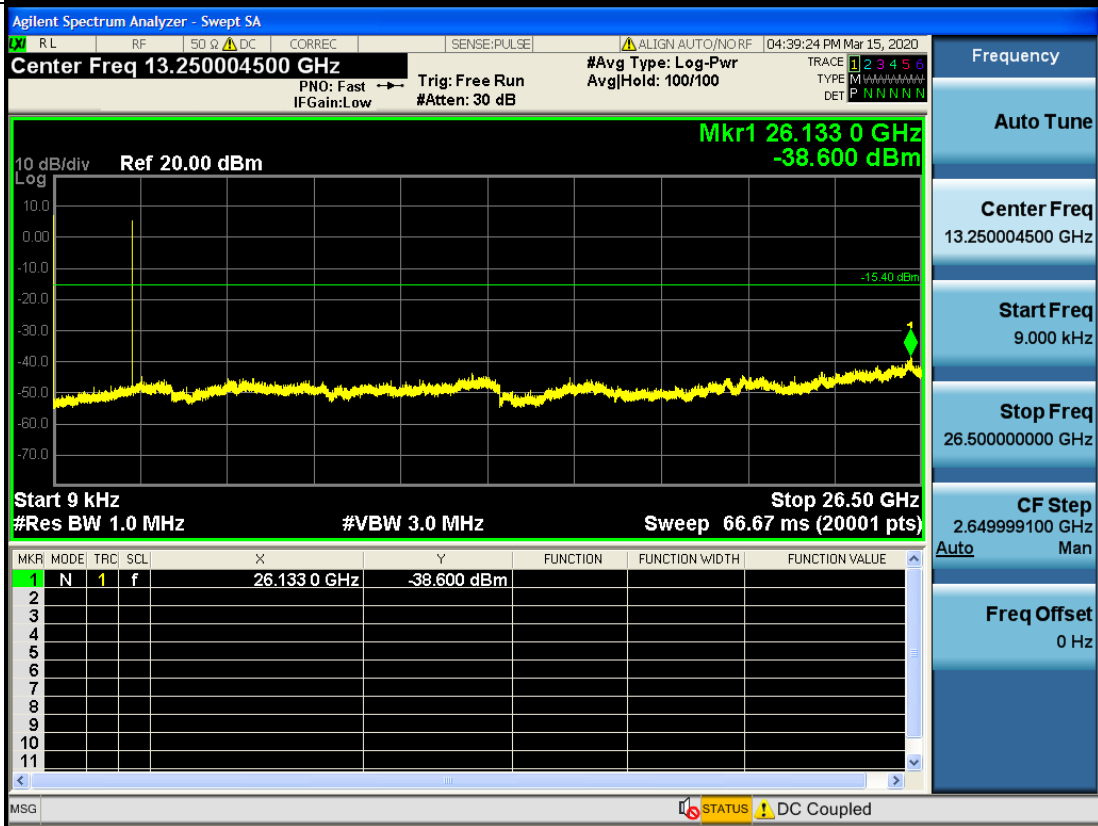


$\pi/4$ DQPSK\_LCH\_Graphs

Pref

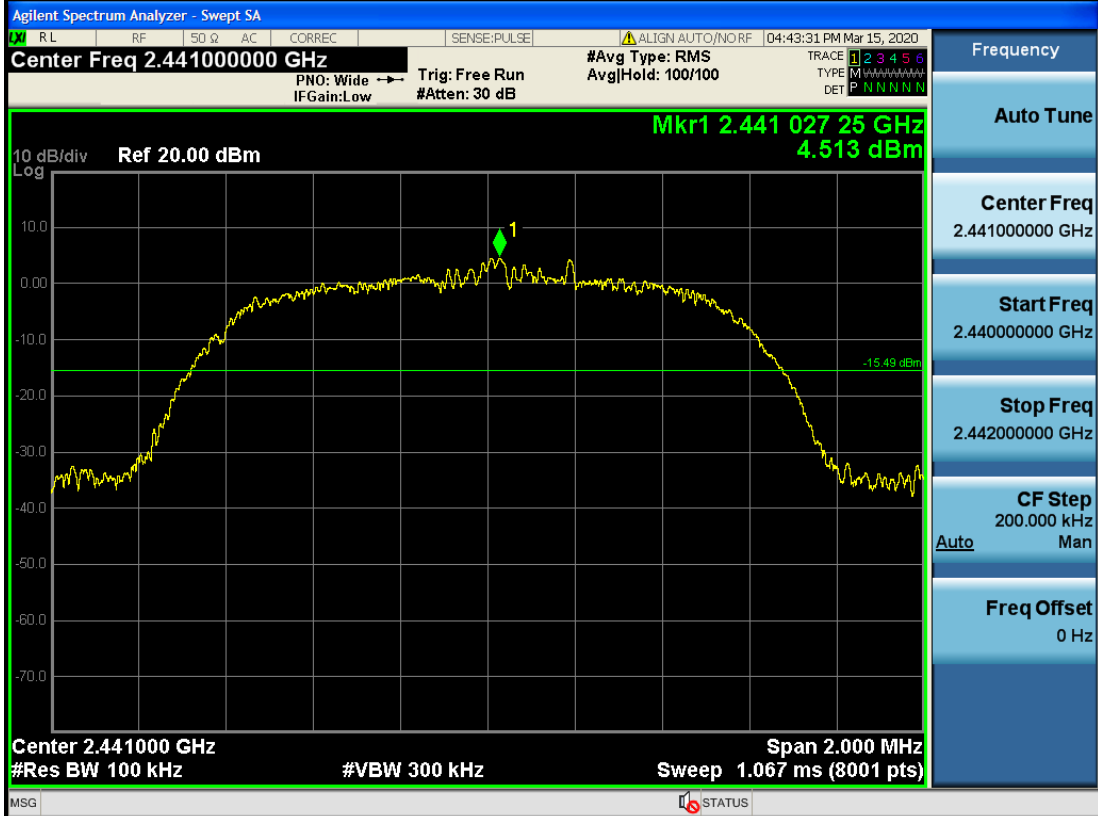


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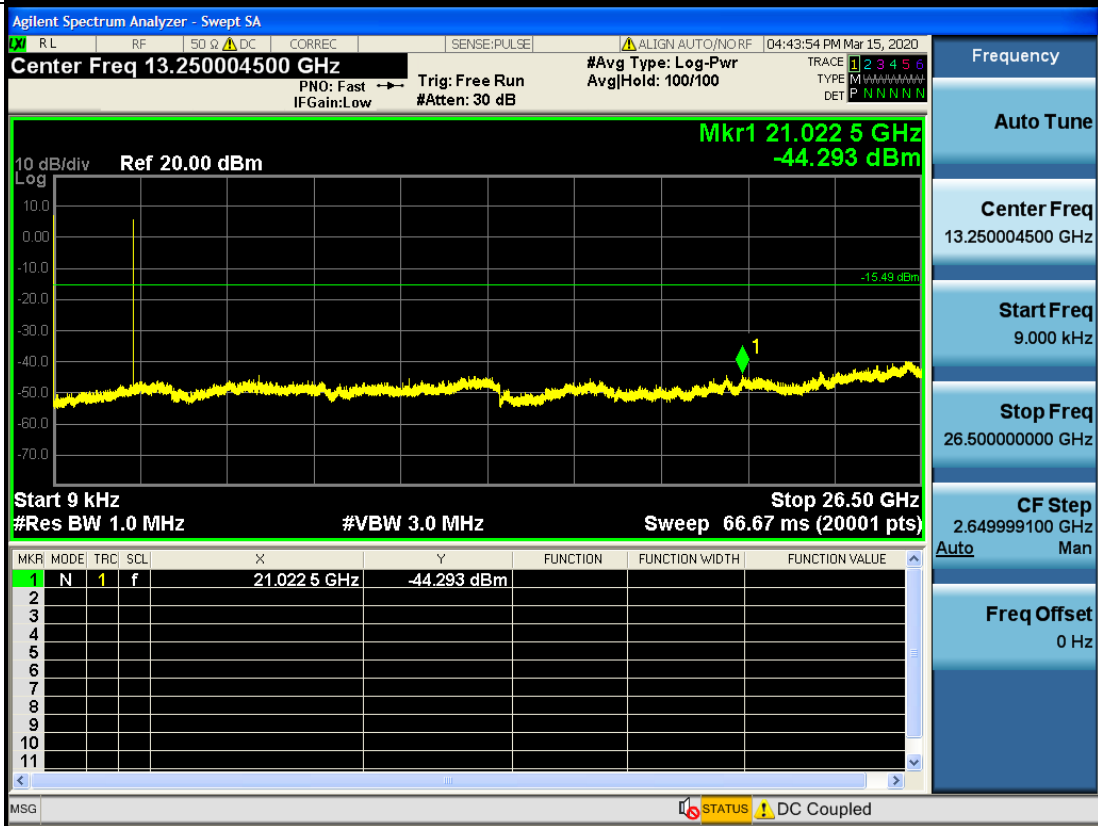


$\pi/4$ DQPSK\_MCH Graphs

Pref

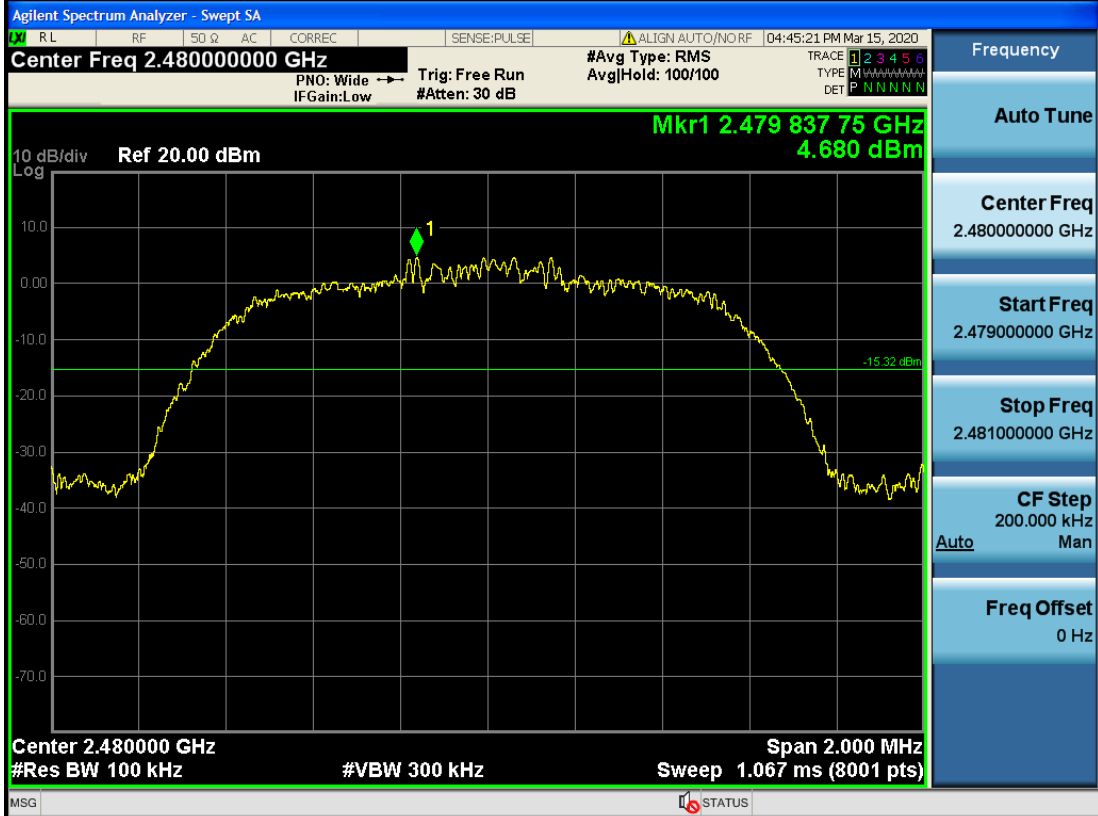


Puw

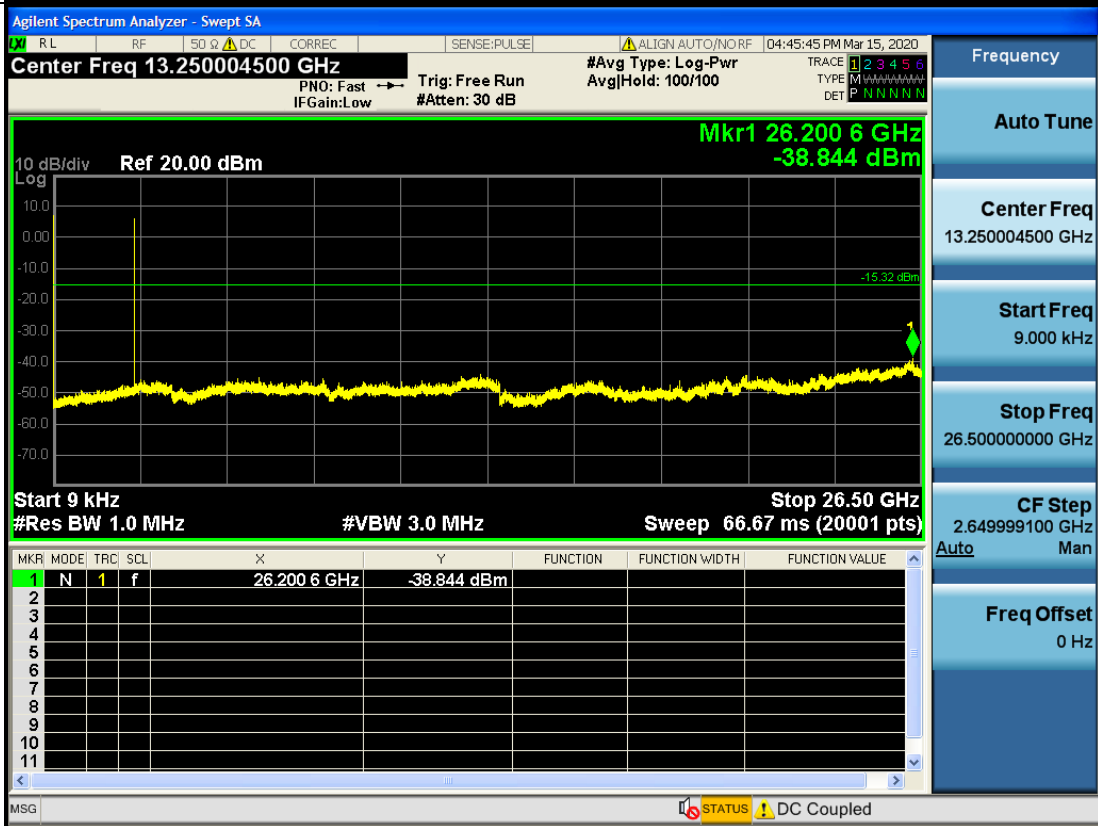


$\pi/4$ DQPSK\_HCH\_Graphs

Pref

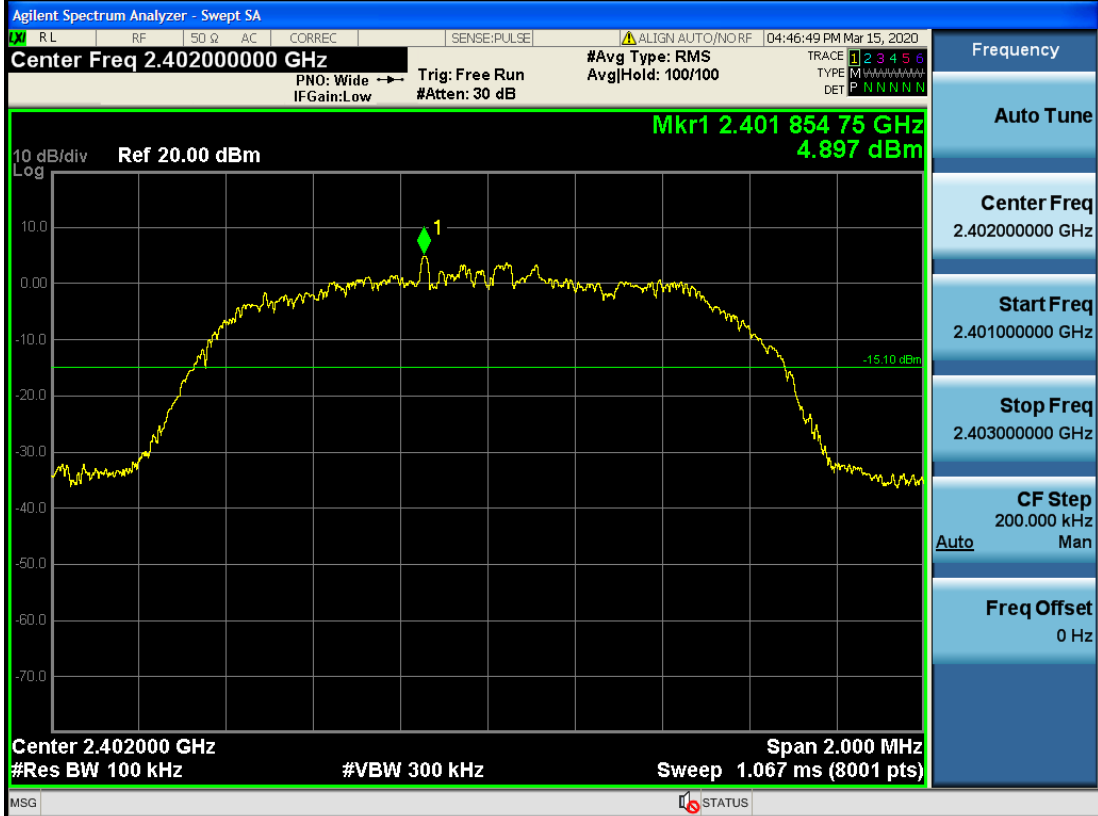


Puw

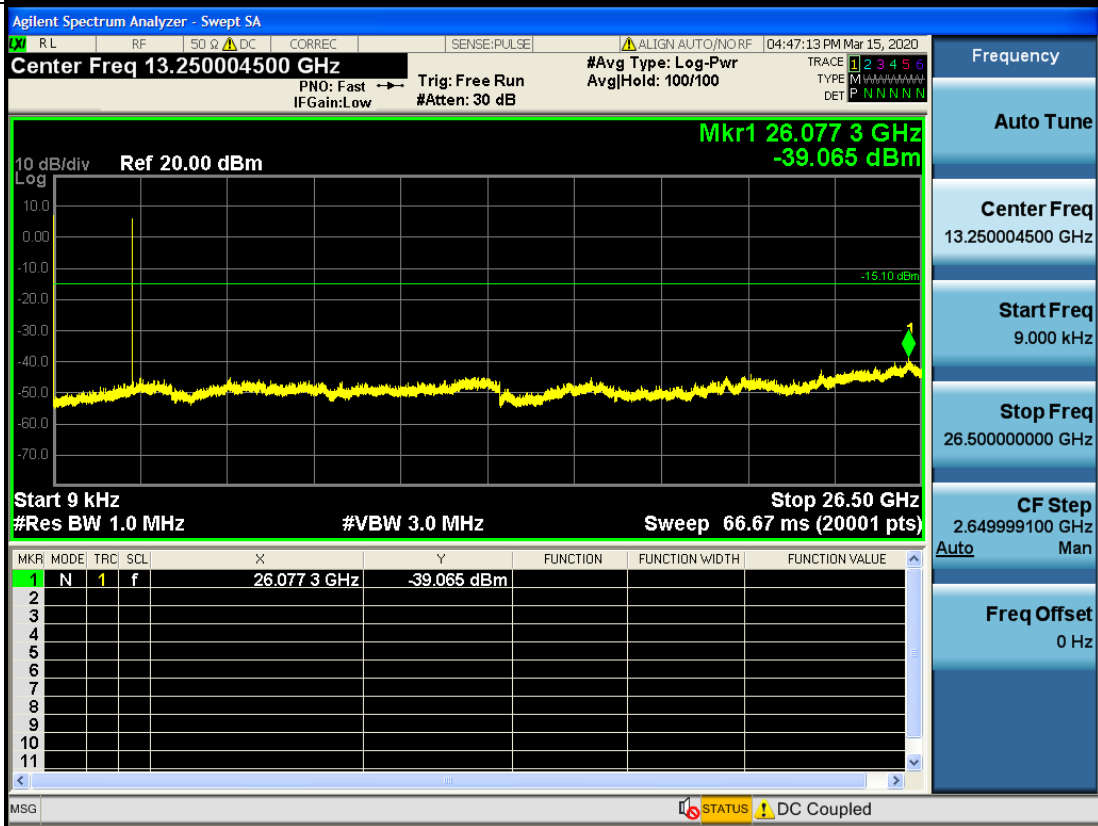


8DPSK\_LCH\_Graphs

Pref

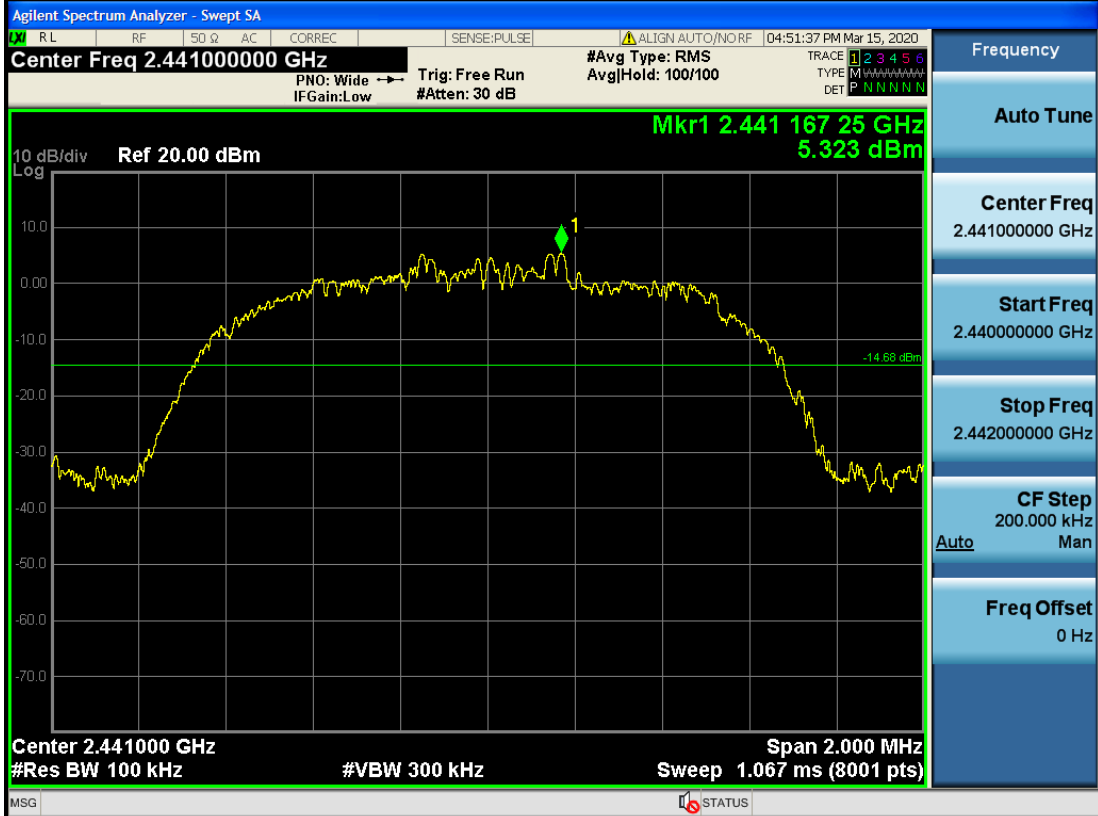


Puw

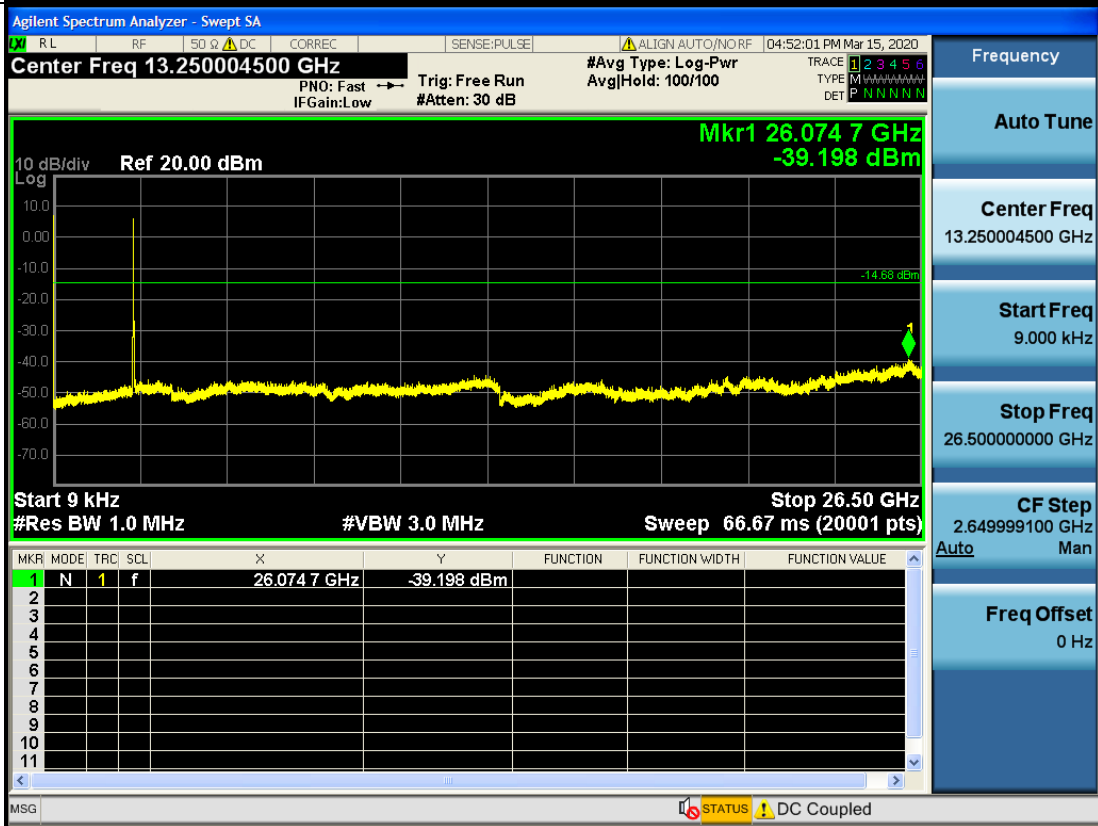


8DPSK\_MCH\_Graphs

Pref

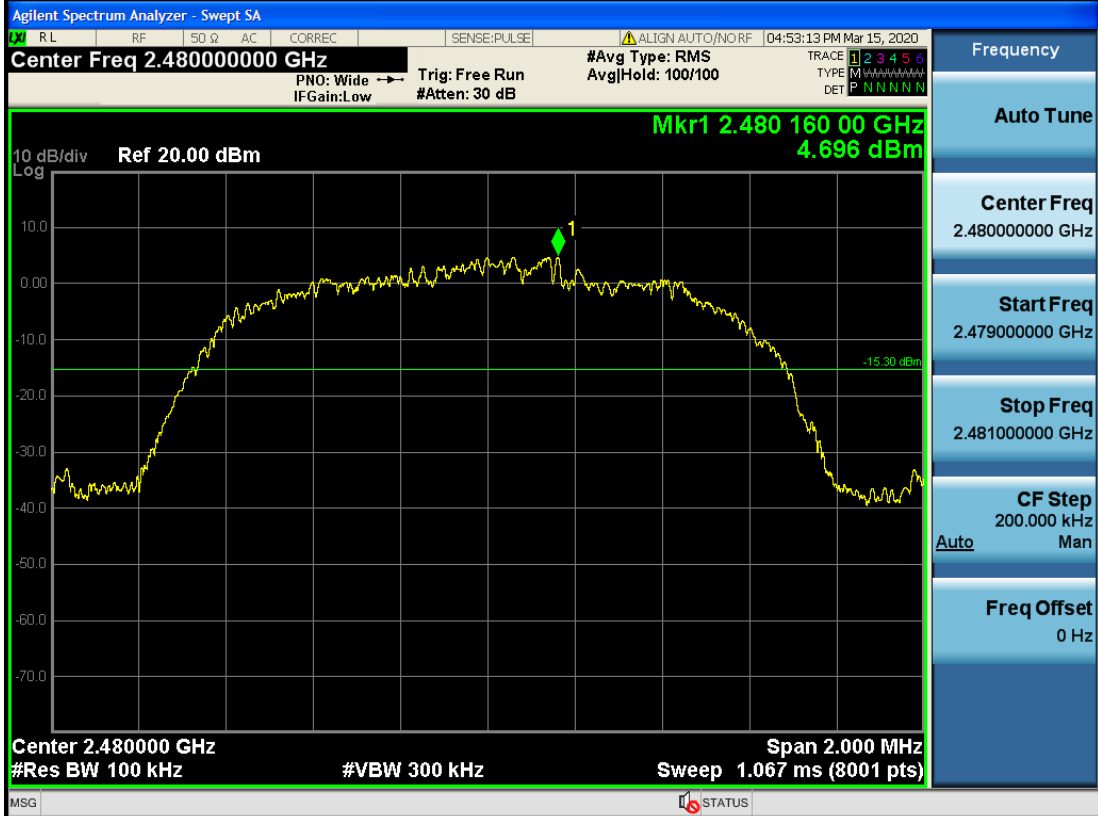


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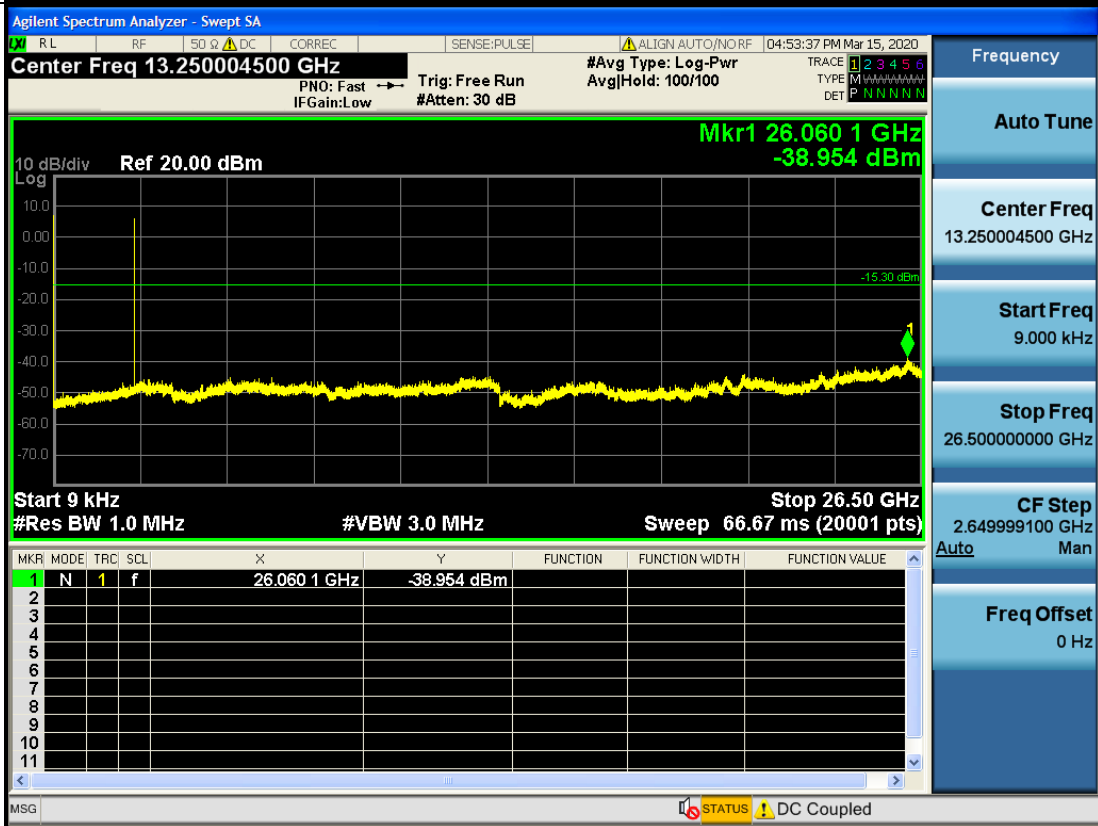


8DPSK\_HCH\_Graphs

Pref



Puw



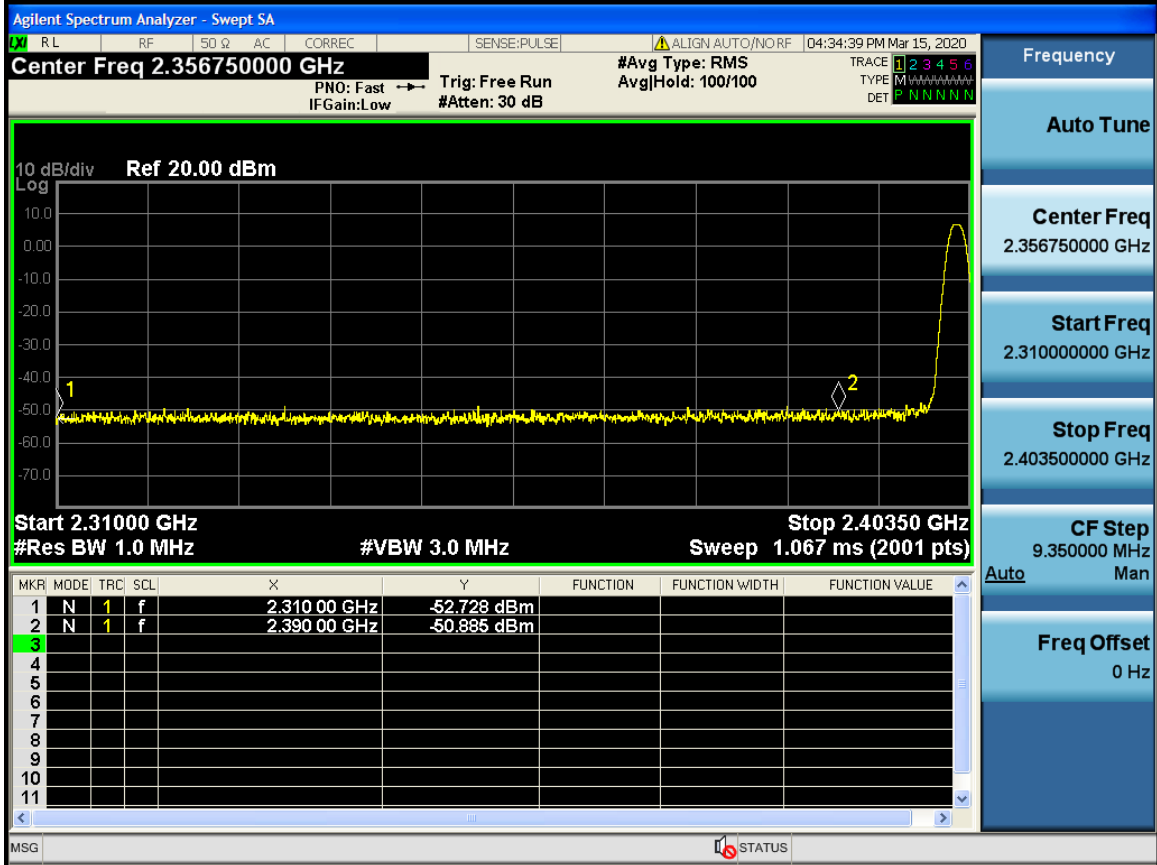


**A.8 Restrict-band band-edge measurements**

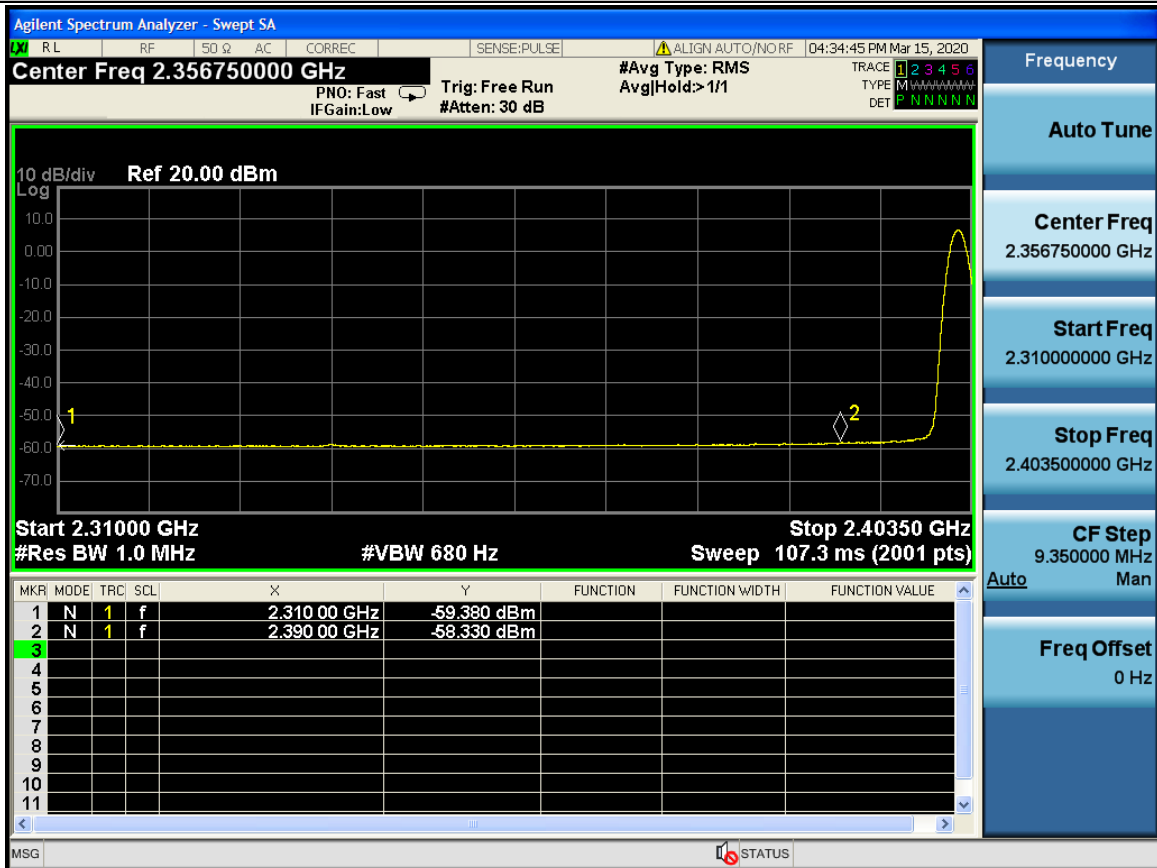
Type	Carrier Frequency (MHz)	Frequency (MHz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2390	2.00	0.00	-50.885	46.315	74	Pass
1DH5	2480	2483.5	2.00	0.00	-49.121	48.079	74	Pass
2DH5	2402	2390	2.00	0.00	-50.918	46.282	74	Pass
2DH5	2480	2483.5	2.00	0.00	-48.153	49.047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

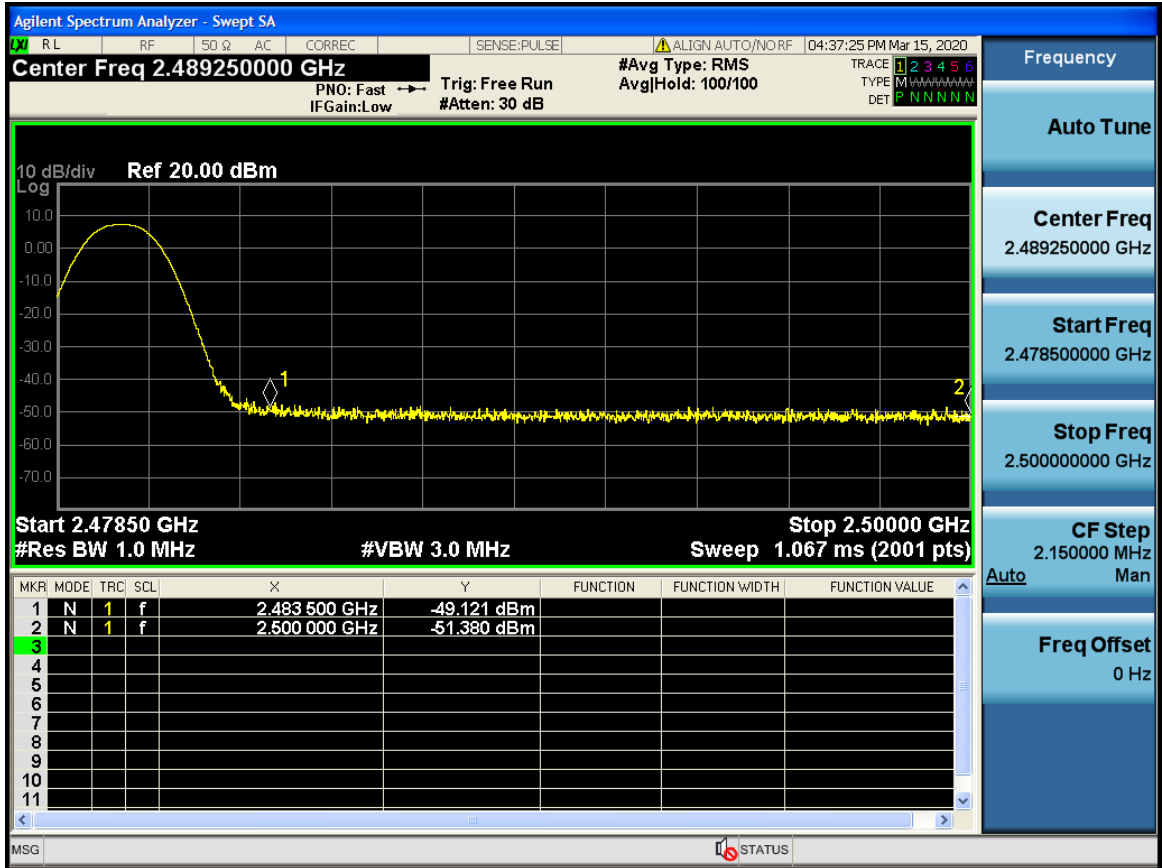
Restrict-band band-edge measurements\_2402\_PEAK\_DH5



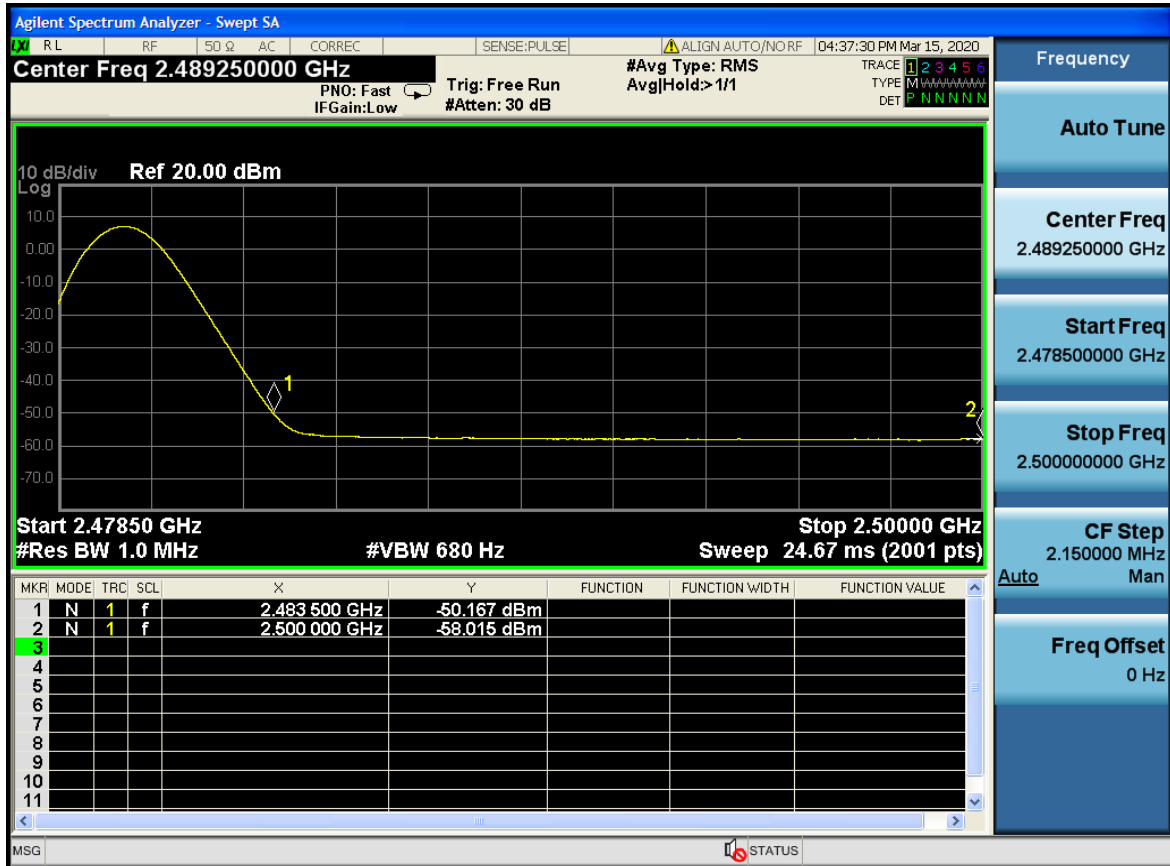
Restrict-band band-edge measurements\_2402\_AV\_DH5



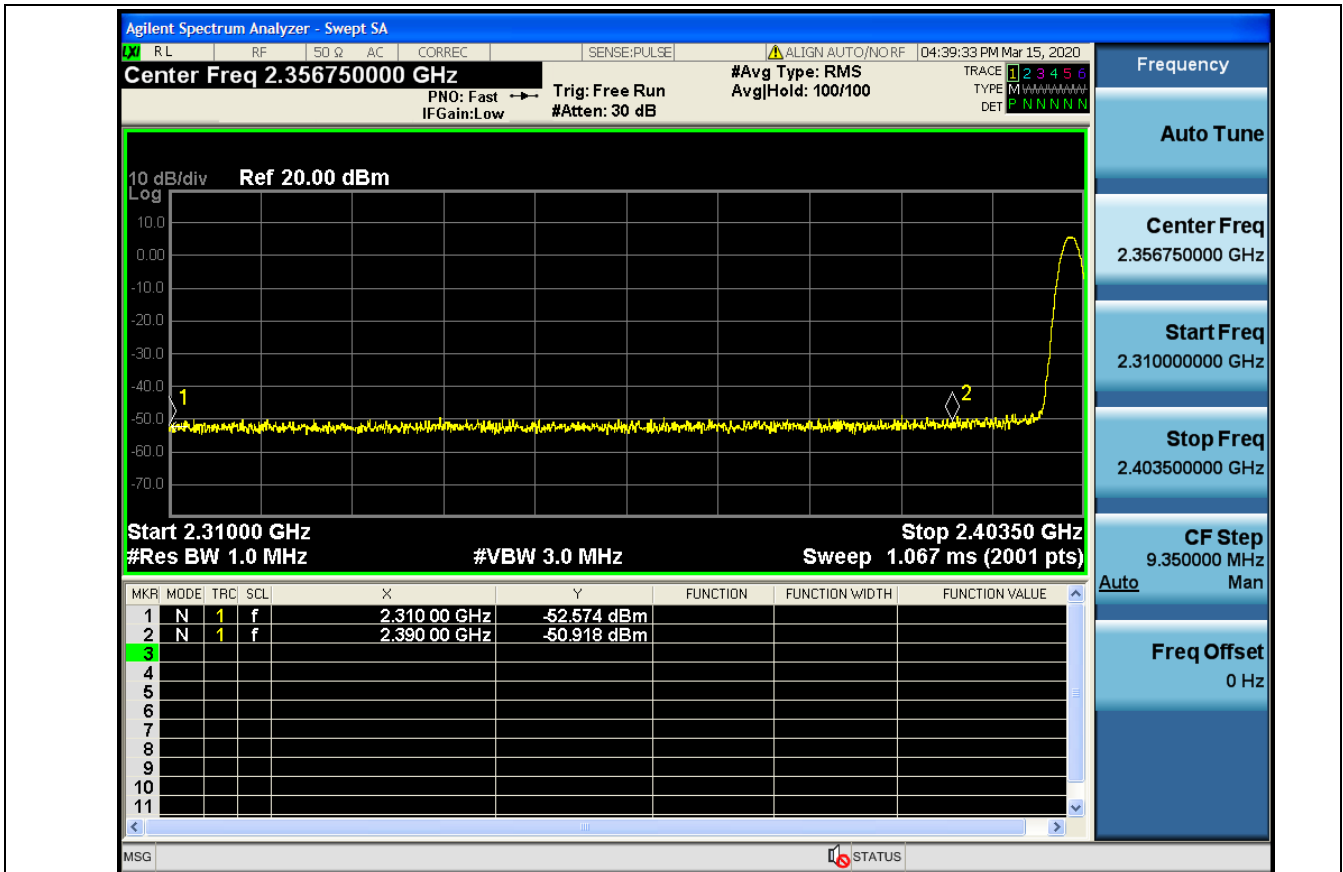
Restrict-band band-edge measurements\_2480\_PEAK\_DH5



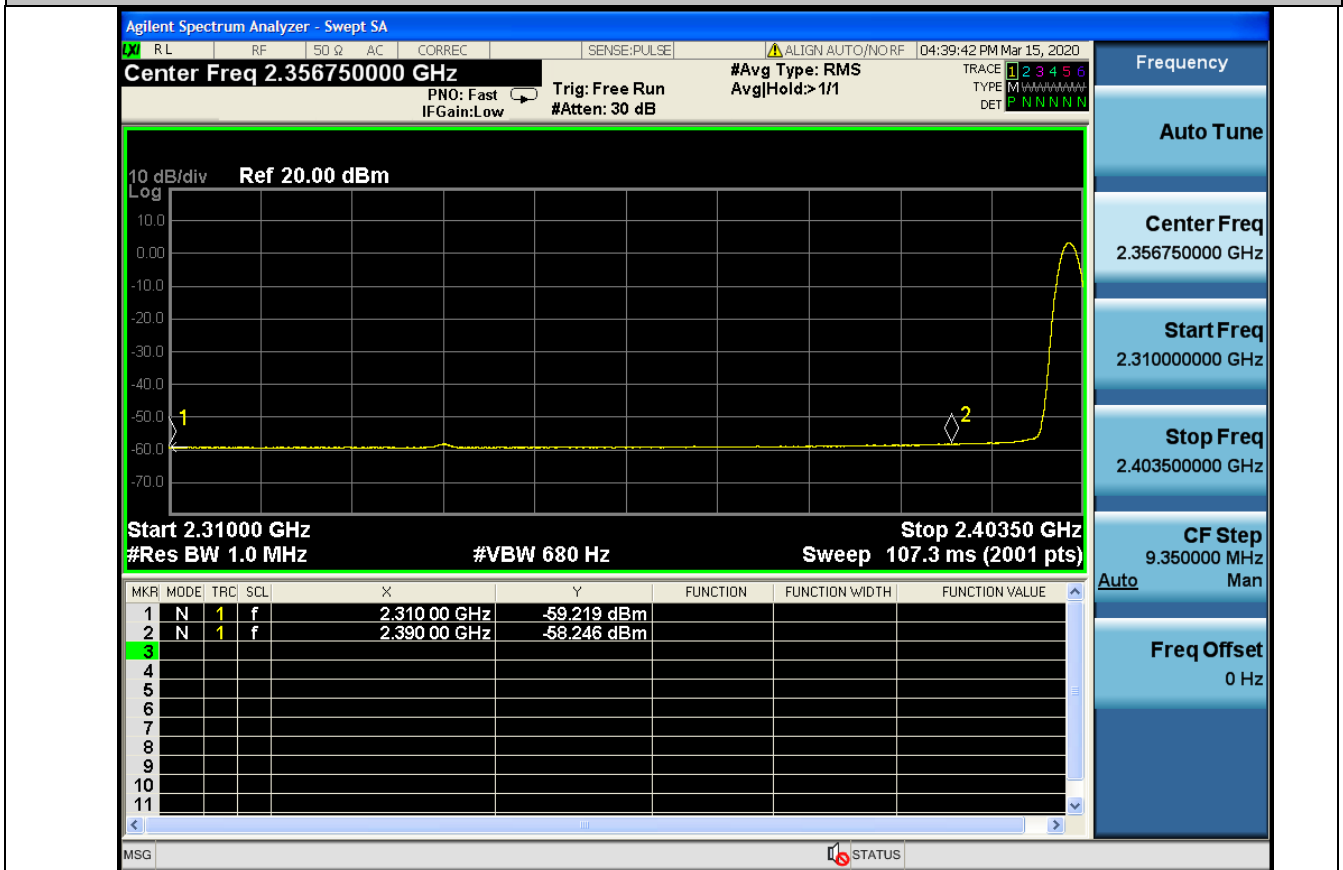
Restrict-band band-edge measurements\_2480\_AV\_DH5



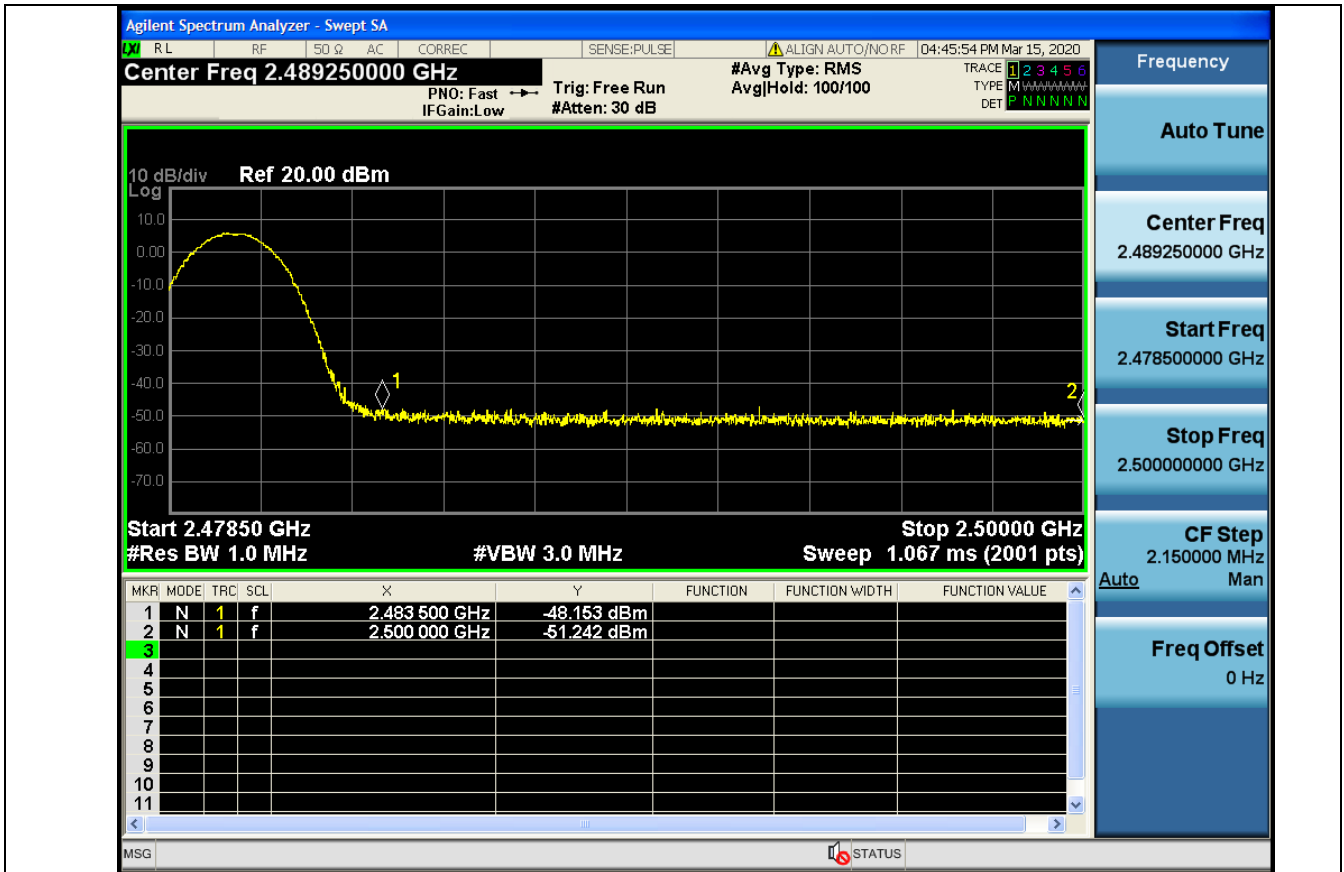
Restrict-band band-edge measurements\_2402\_PEAK\_2DH5



Restrict-band band-edge measurements\_2402\_AV\_2DH5



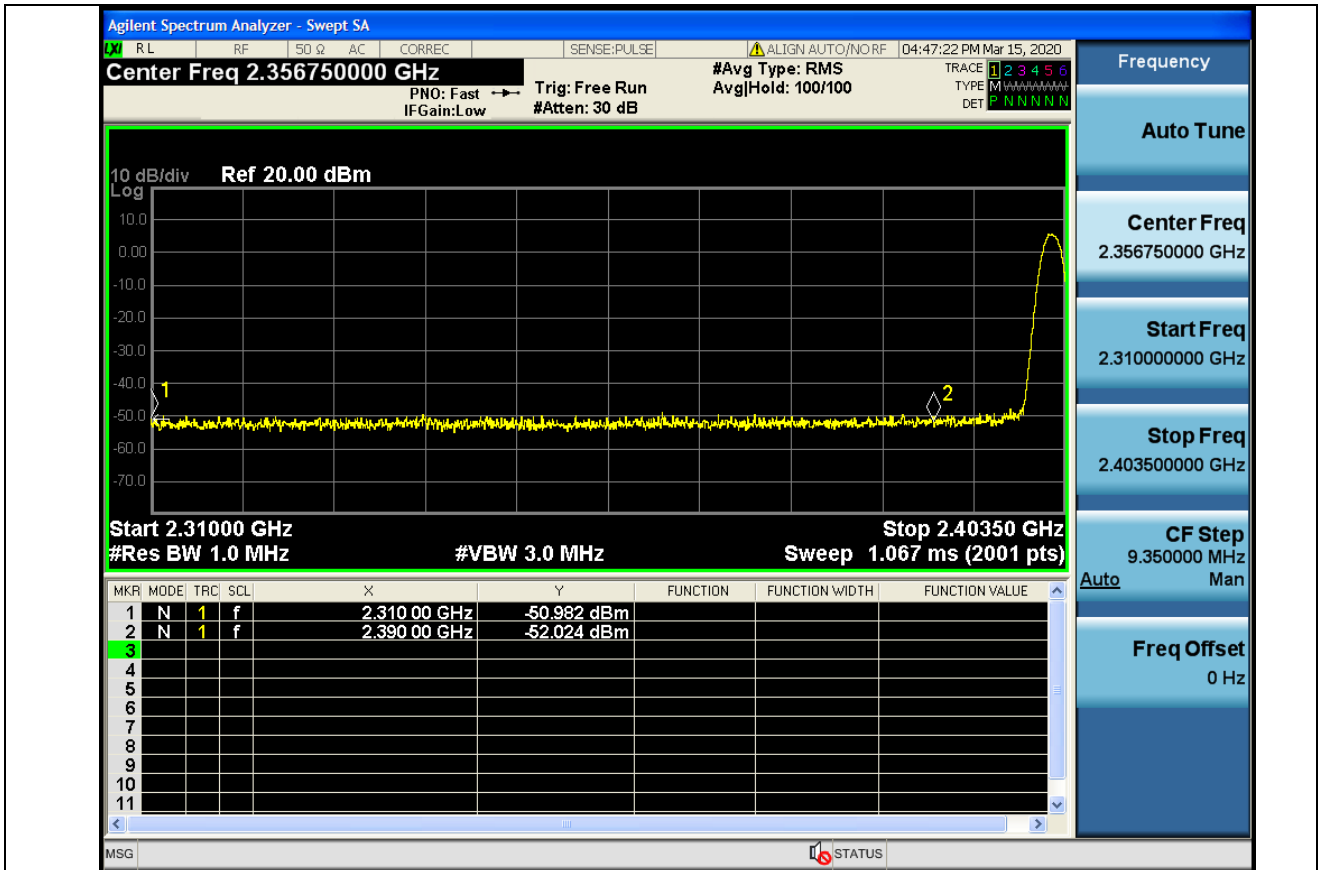
Restrict-band band-edge measurements\_2480\_PEAK\_2DH5



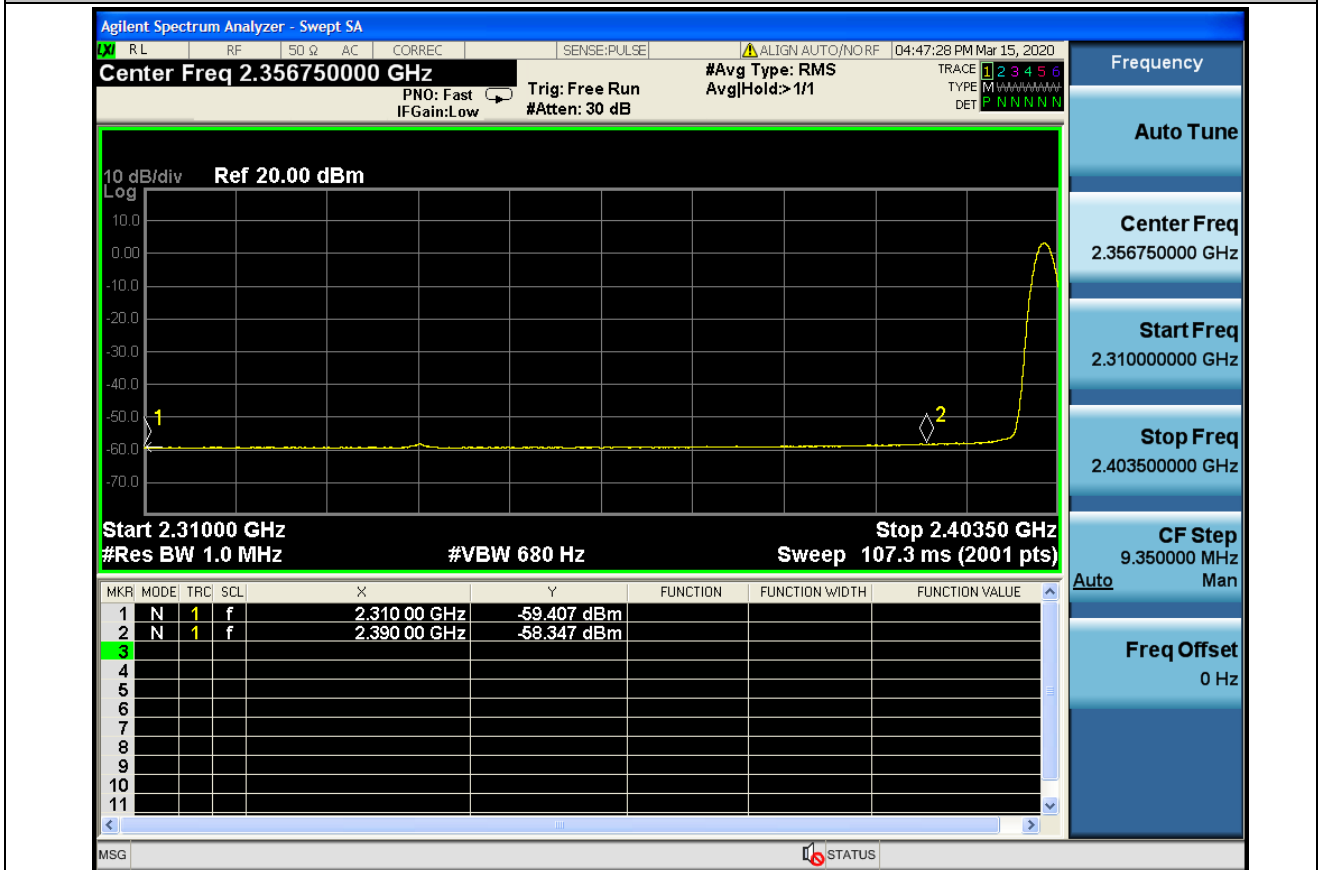
Restrict-band band-edge measurements\_2480\_AV\_2DH5



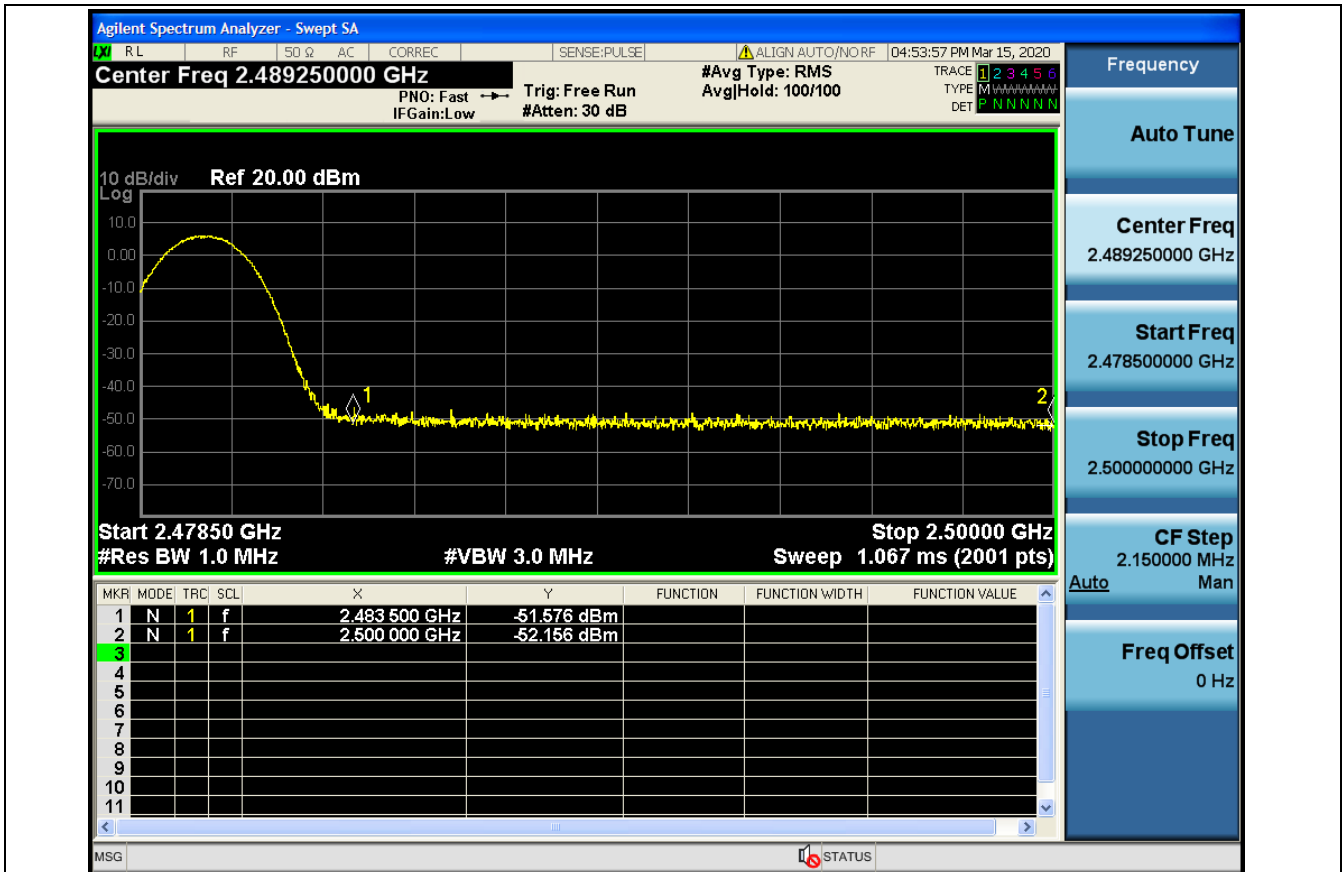
Restrict-band band-edge measurements\_2402\_PEAK\_3DH5



Restrict-band band-edge measurements\_2402\_AV\_3DH5



Restrict-band band-edge measurements\_2480\_PEAK\_3DH5



Restrict-band band-edge measurements\_2480\_AV\_3DH5

