

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

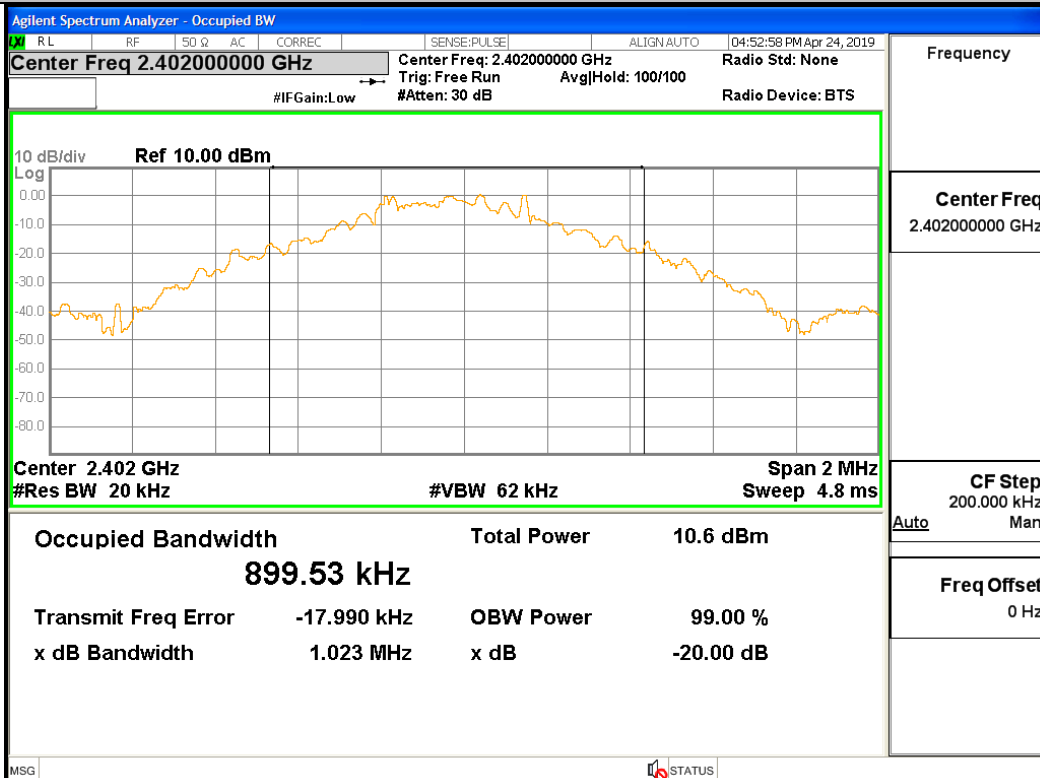
A.1 20 dB Bandwidth

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
$\pi/4$ DQPSK	LCH	1.321	Not Specified	PASS
$\pi/4$ DQPSK	MCH	1.315	Not Specified	PASS
$\pi/4$ DQPSK	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



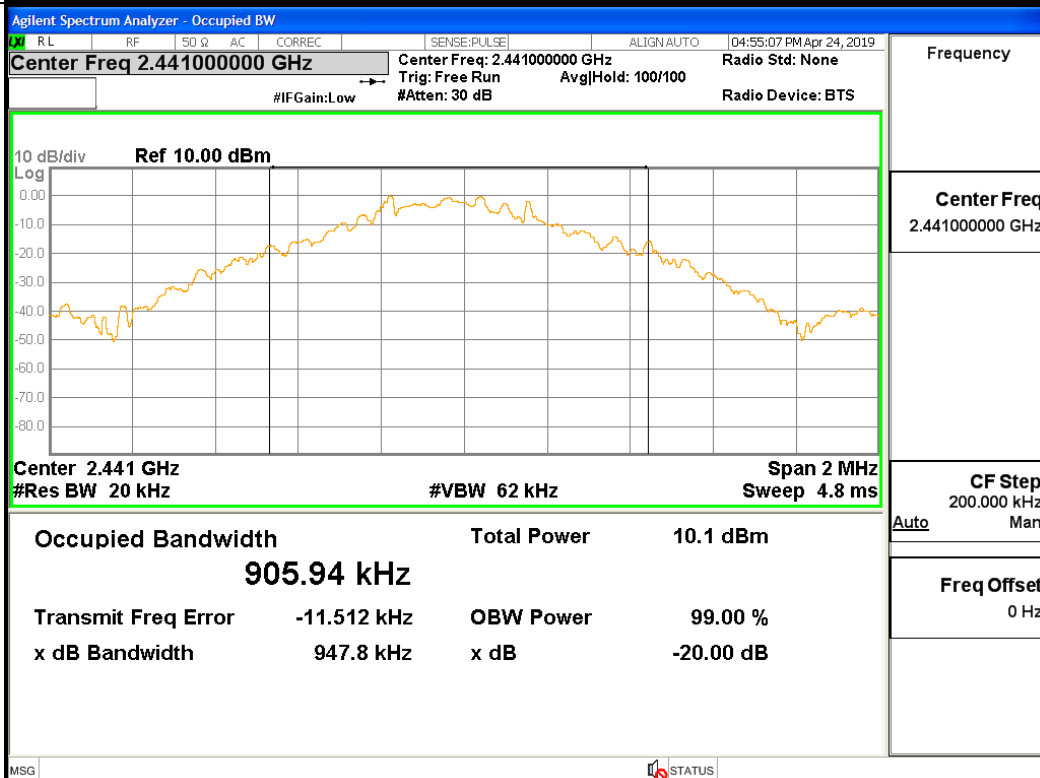
Frequency

Center Freq
2.40200000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

GFSK/MCH

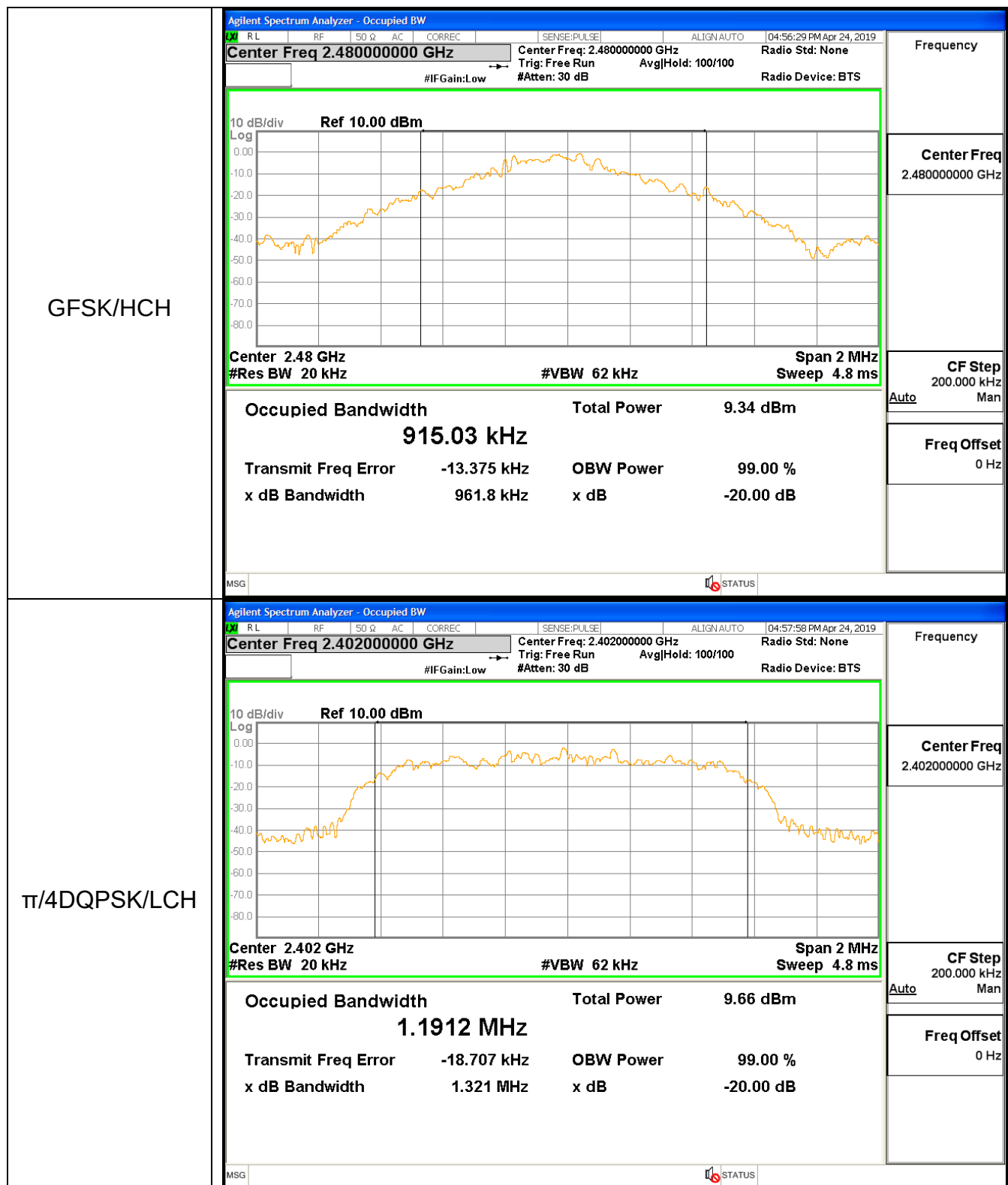


Frequency

Center Freq
2.44100000 GHz

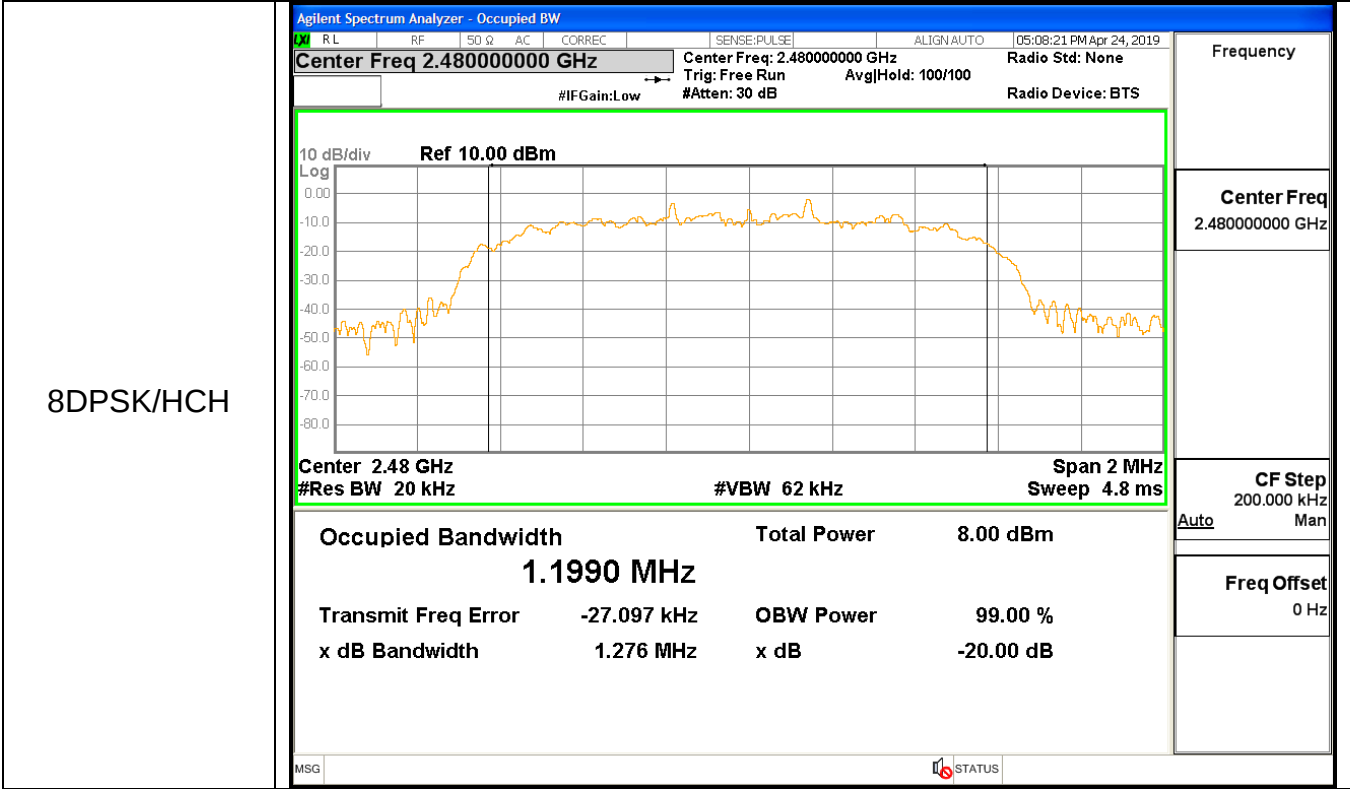
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz





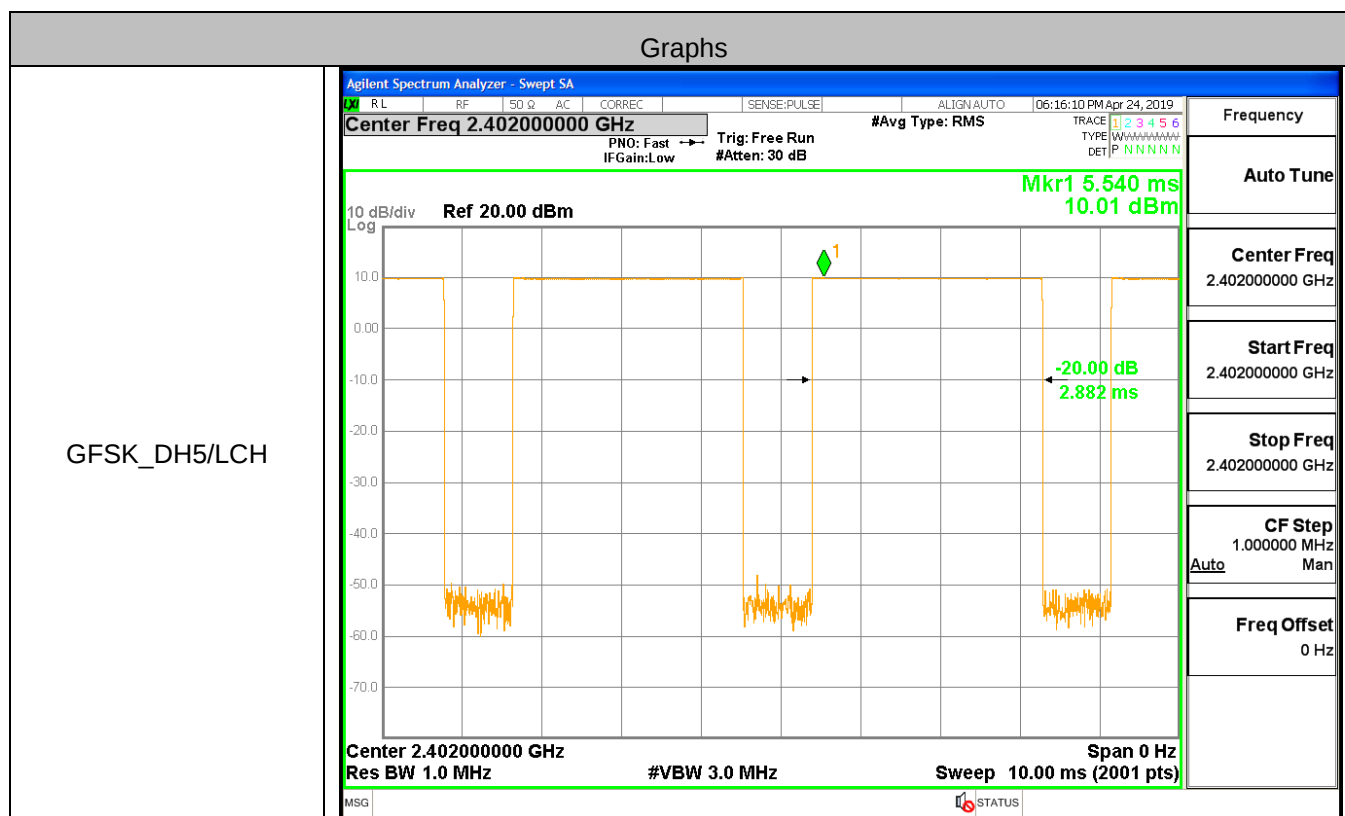


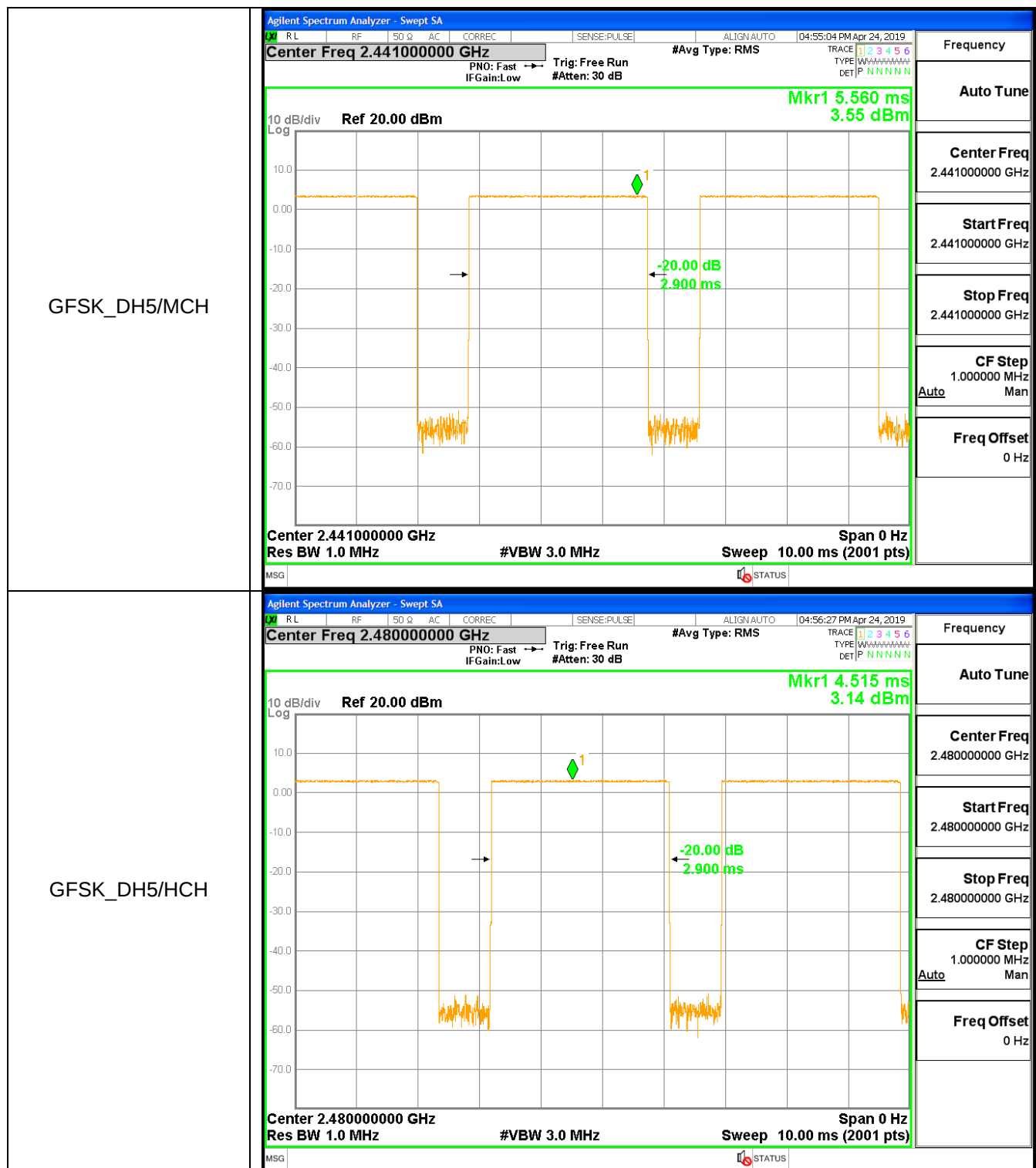


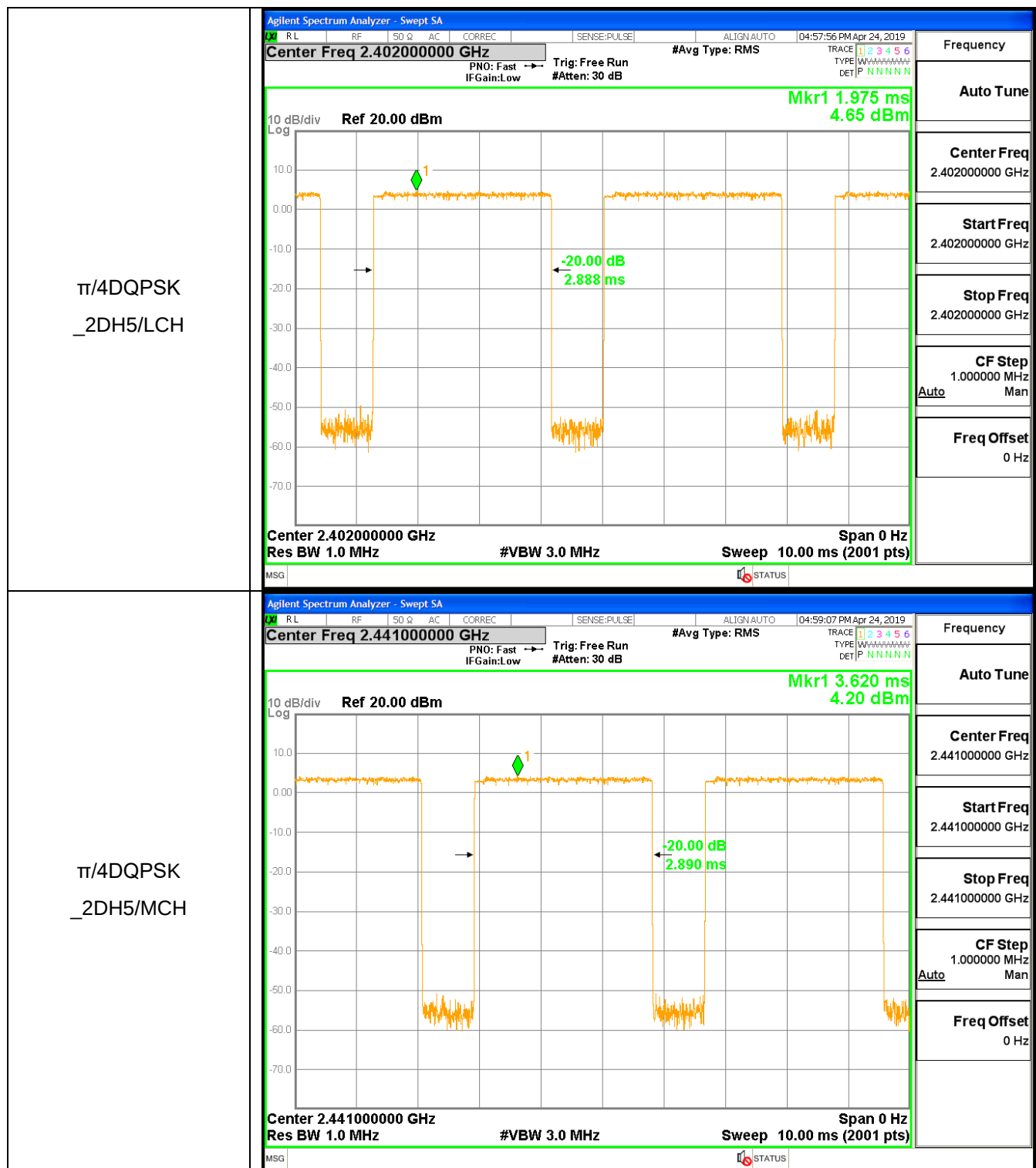
A.2 Dwell Time

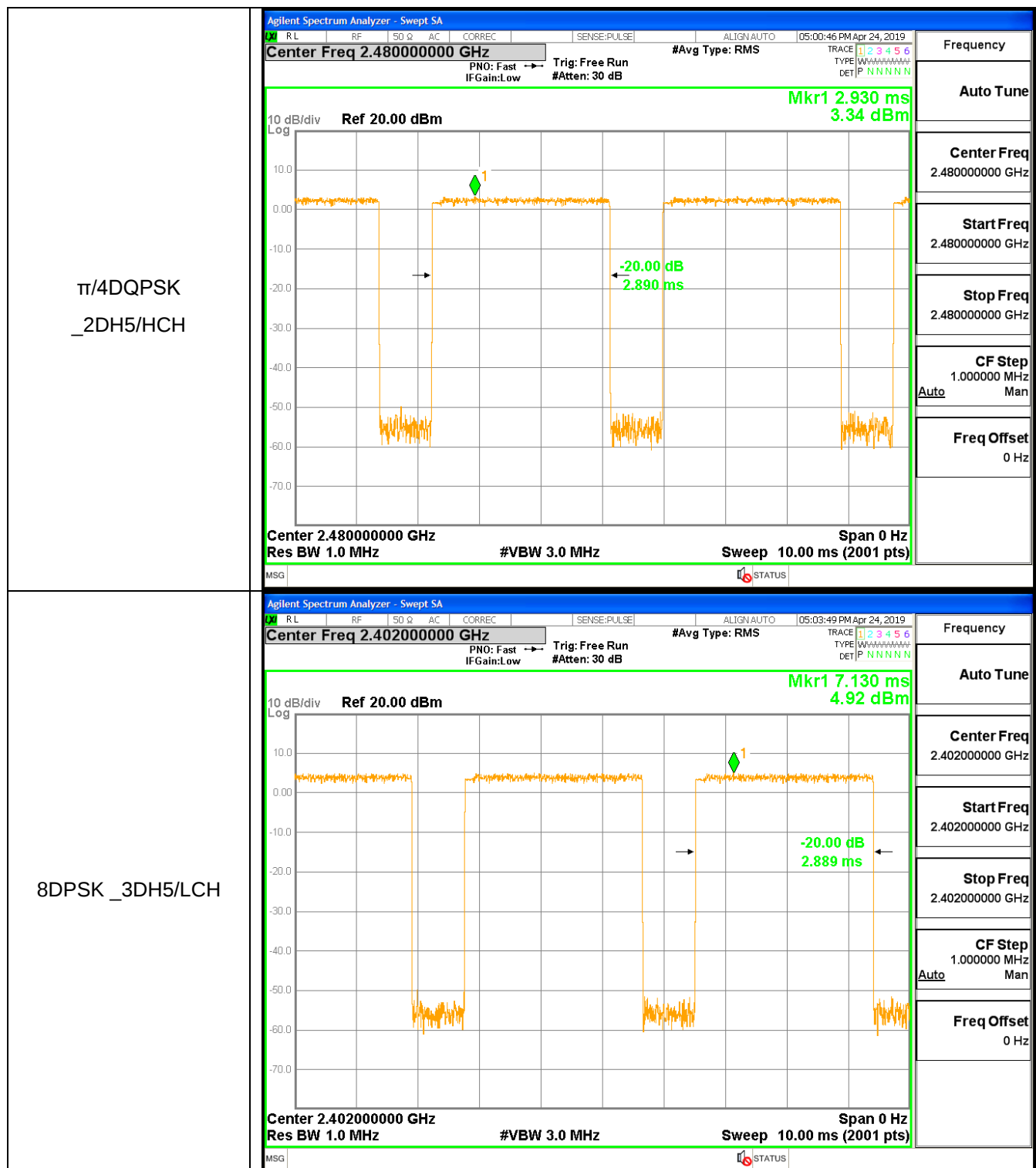
Mode	Packet	Channel	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	0.002882	106.7	0.307509	0.4	PASS
GFSK	DH5	MCH	0.002900	106.7	0.309479	0.4	PASS
GFSK	DH5	HCH	0.002900	106.7	0.30948	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	0.002888	106.7	0.308194	0.4	PASS
$\pi/4$ DQPSK	2DH5	MCH	0.002890	106.7	0.308341	0.4	PASS
$\pi/4$ DQPSK	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

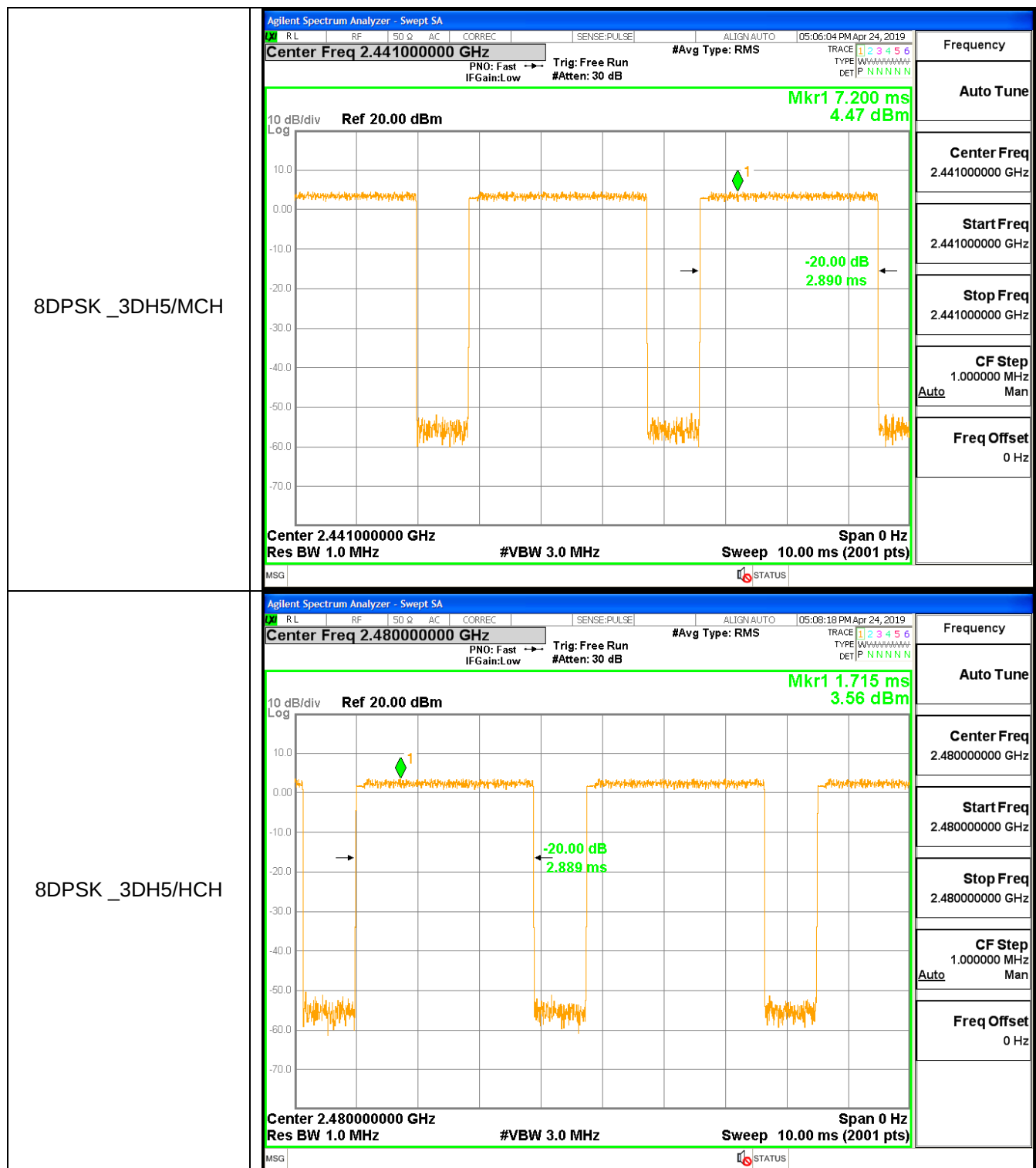
Test Graph







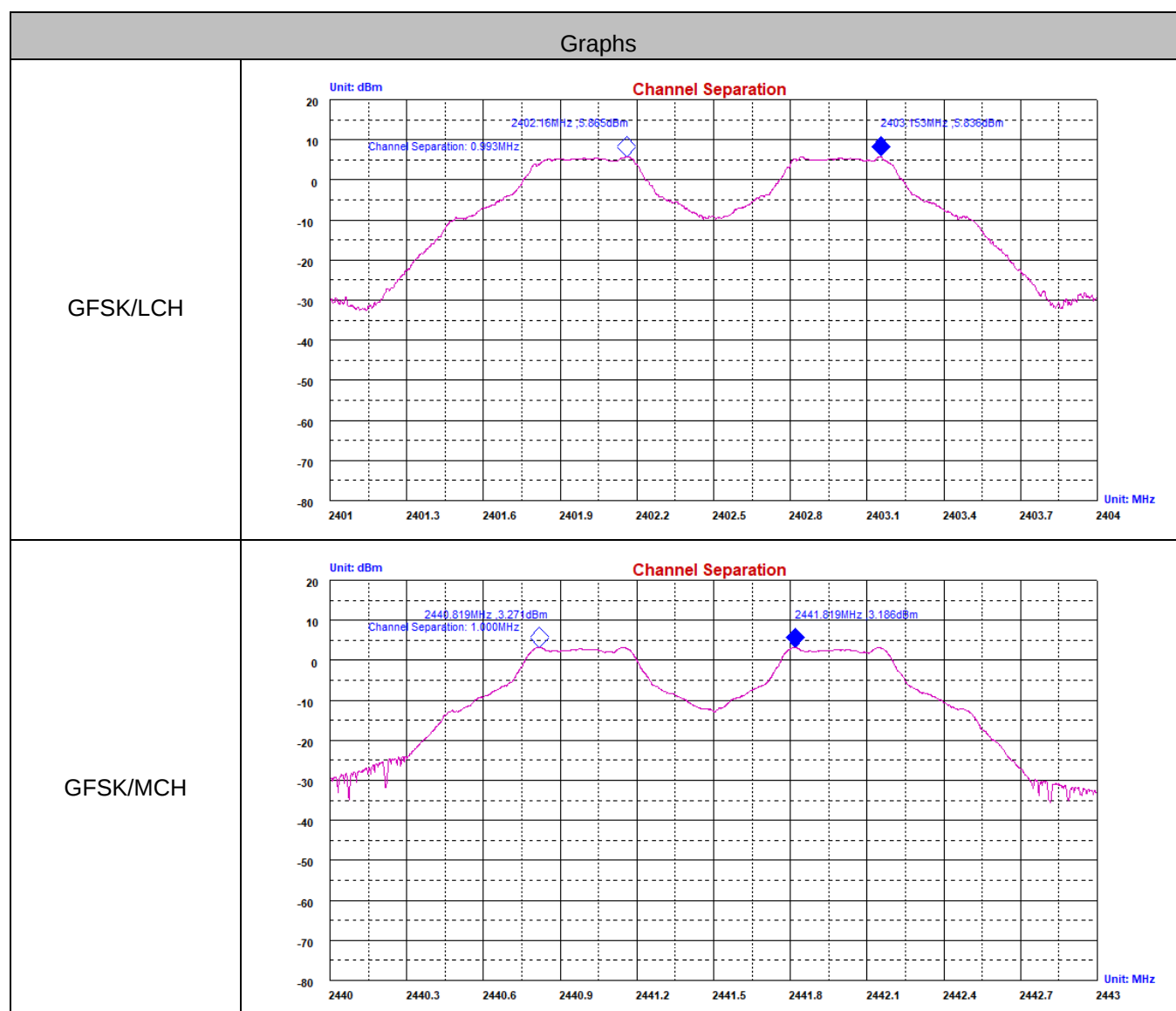




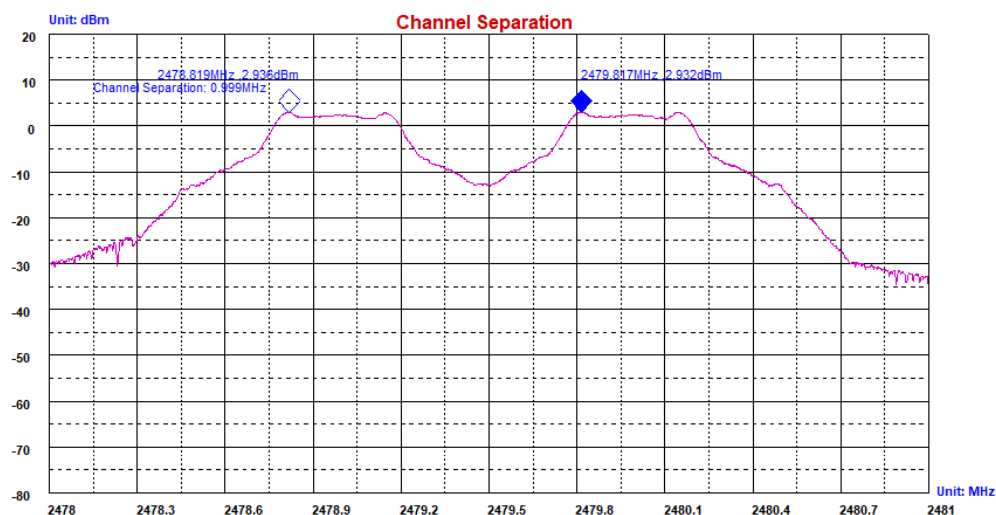
A.3 Carrier Frequency Separation

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
$\pi/4$ DQPSK	LCH	0.999	0.881	PASS
$\pi/4$ DQPSK	MCH	1.001	0.877	PASS
$\pi/4$ DQPSK	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

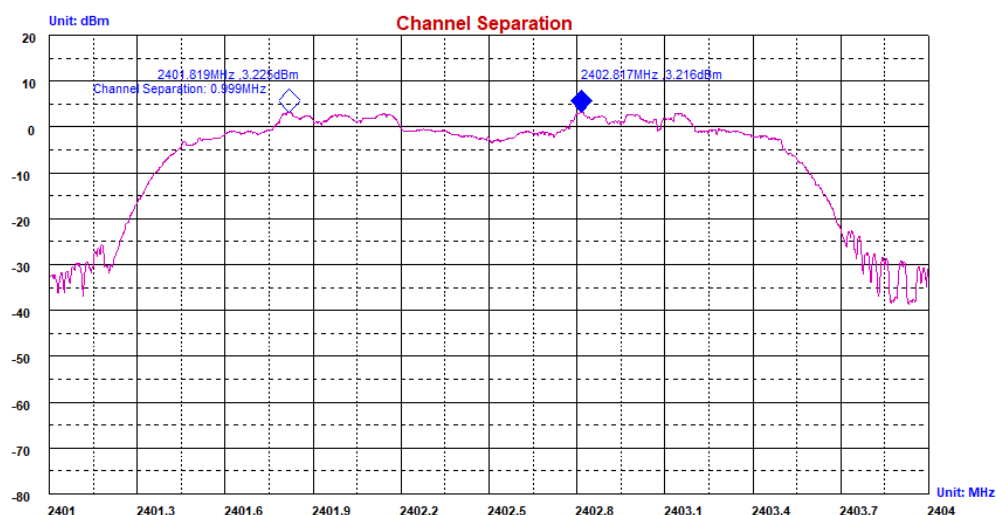
Test Graph



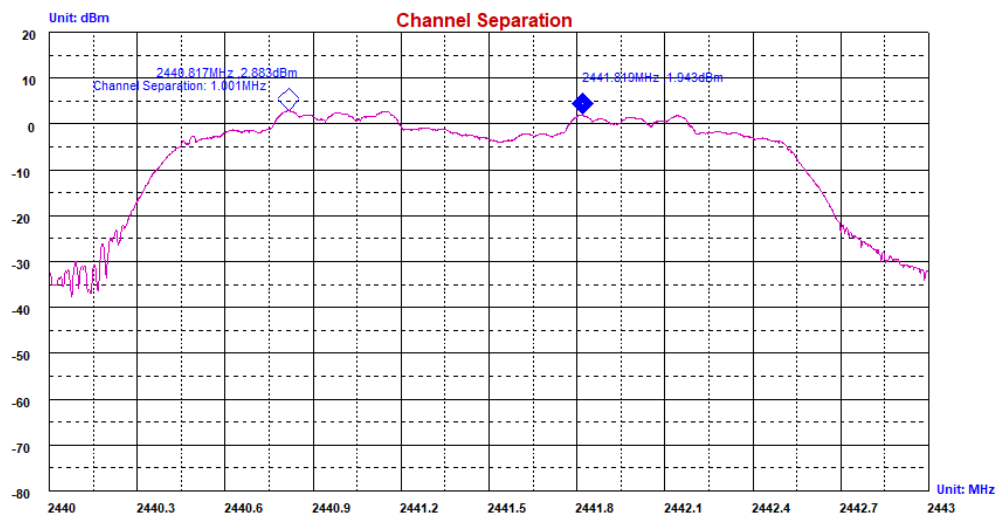
GFSK/HCH

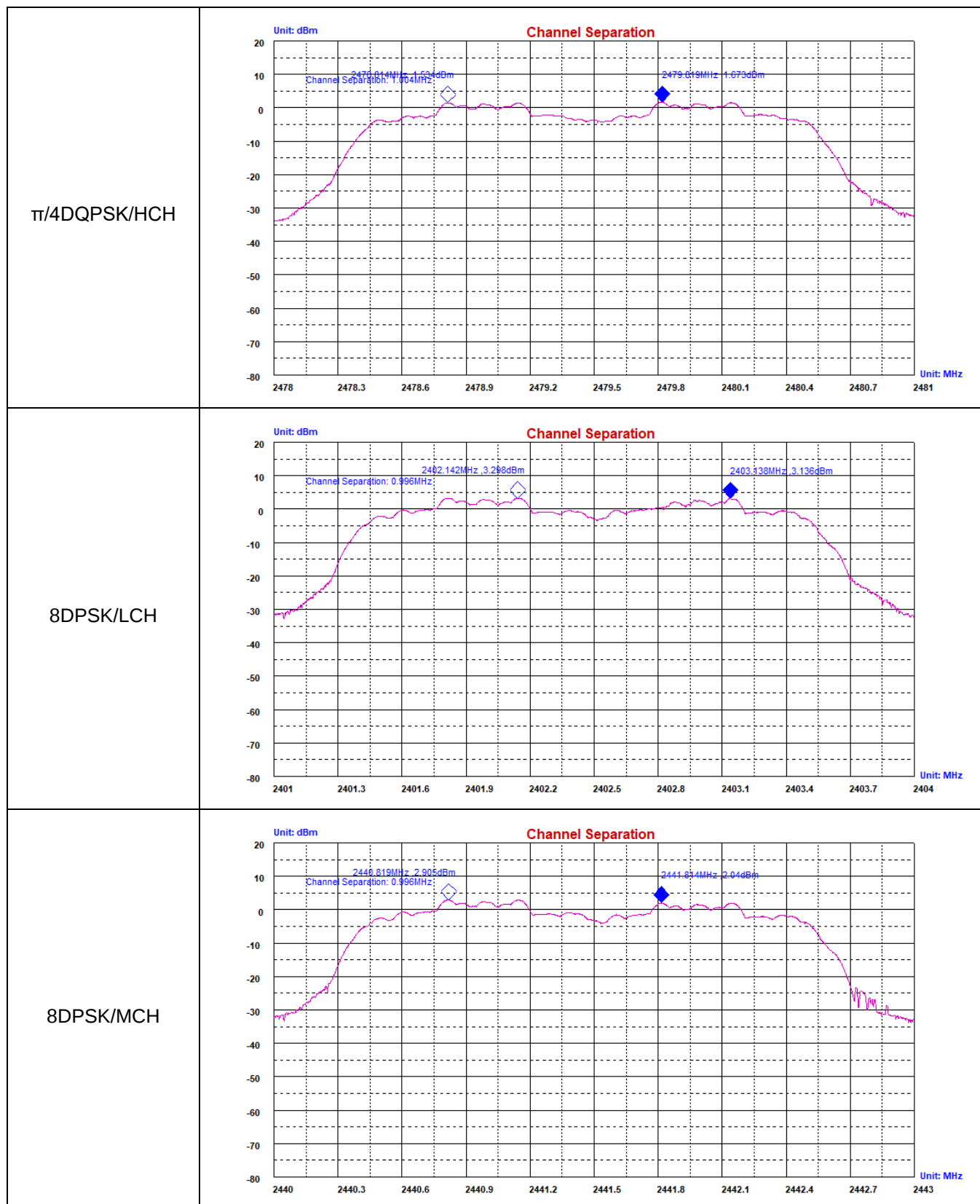


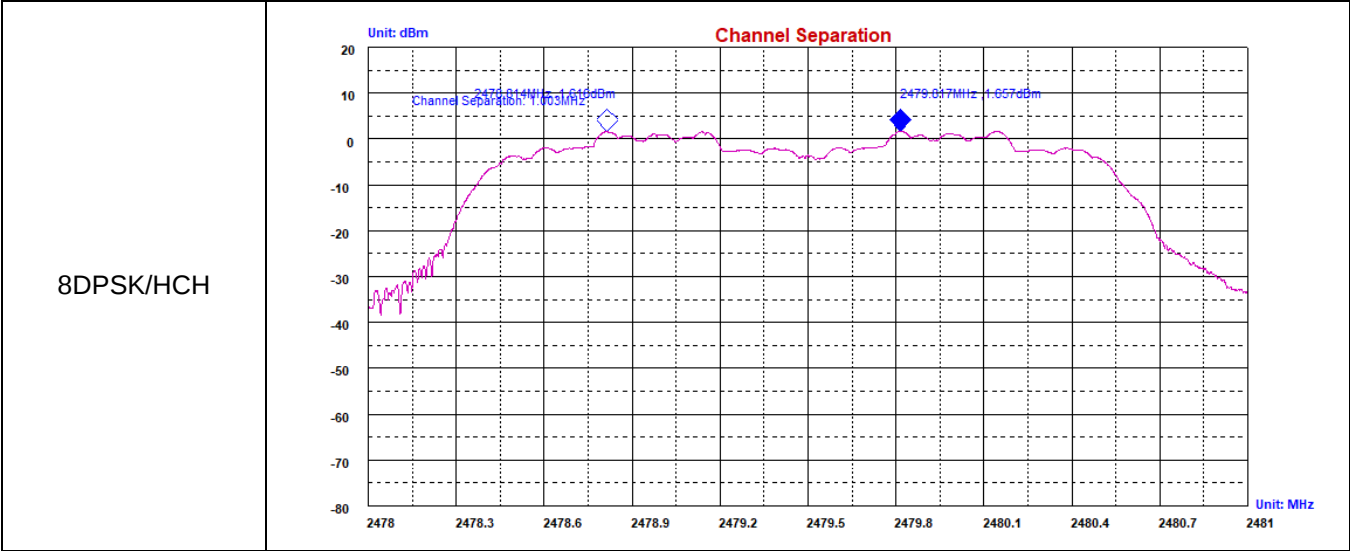
π /4DQPSK/LCH



π /4DQPSK/MCH



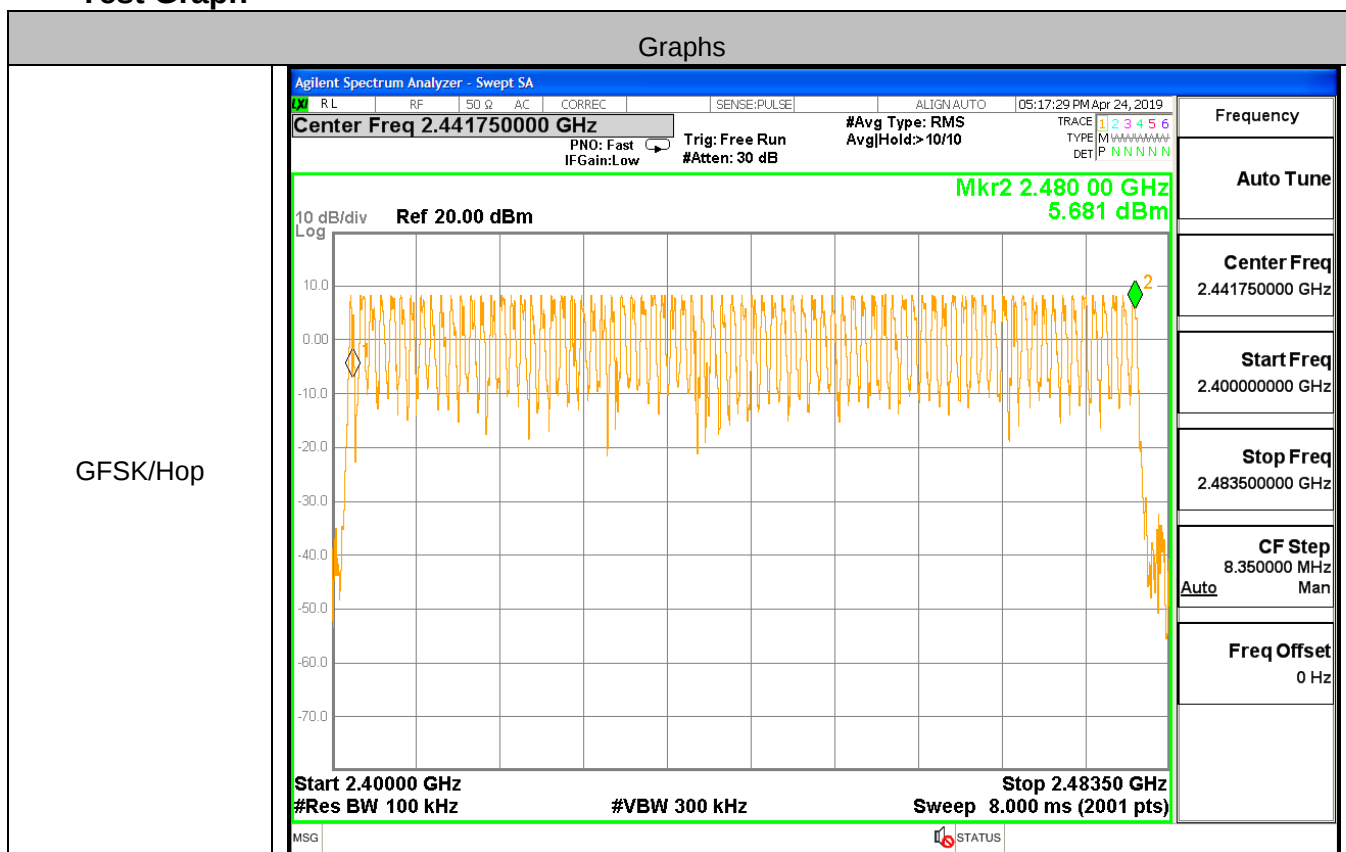


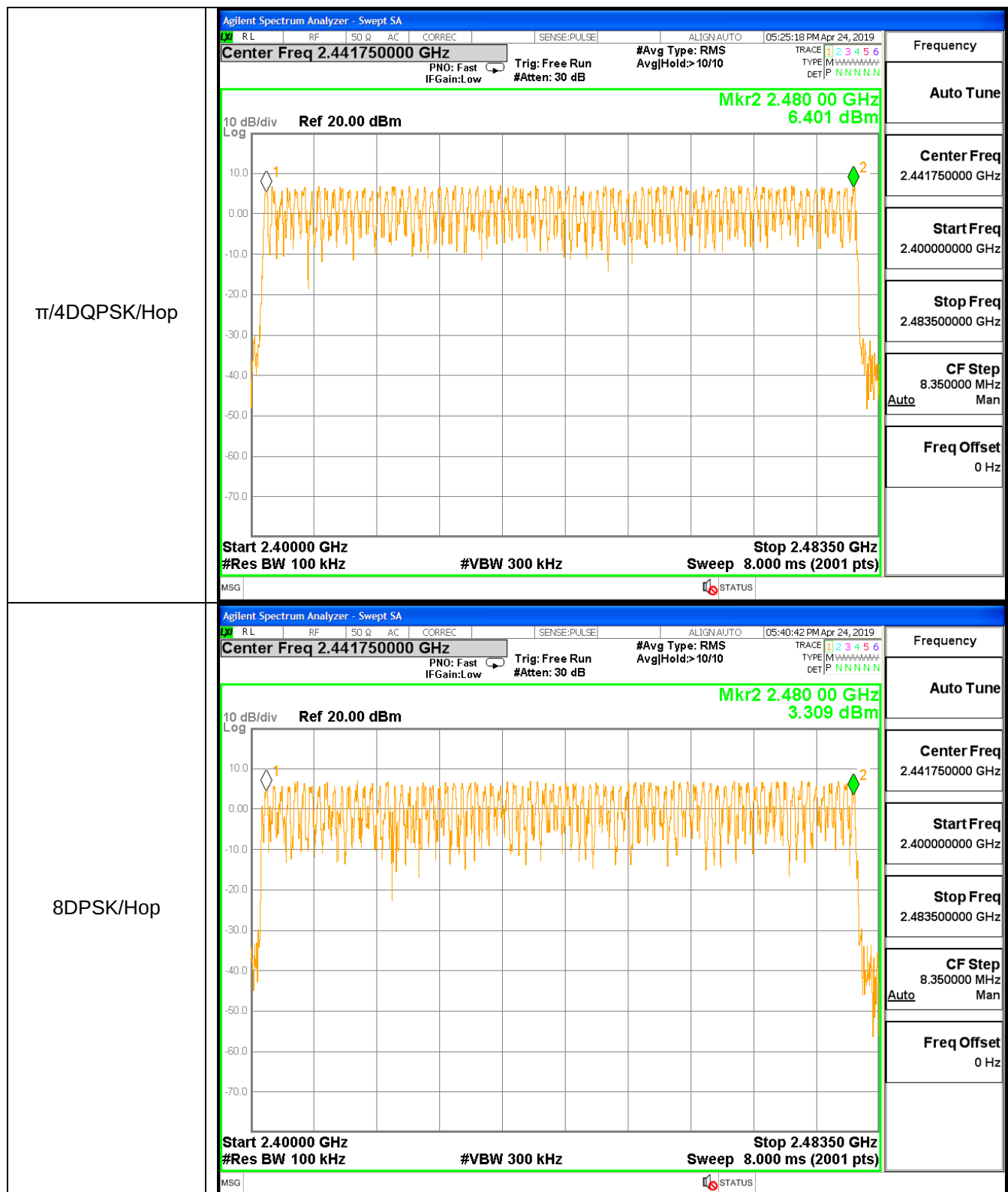


A.4 Hopping Channel Number

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

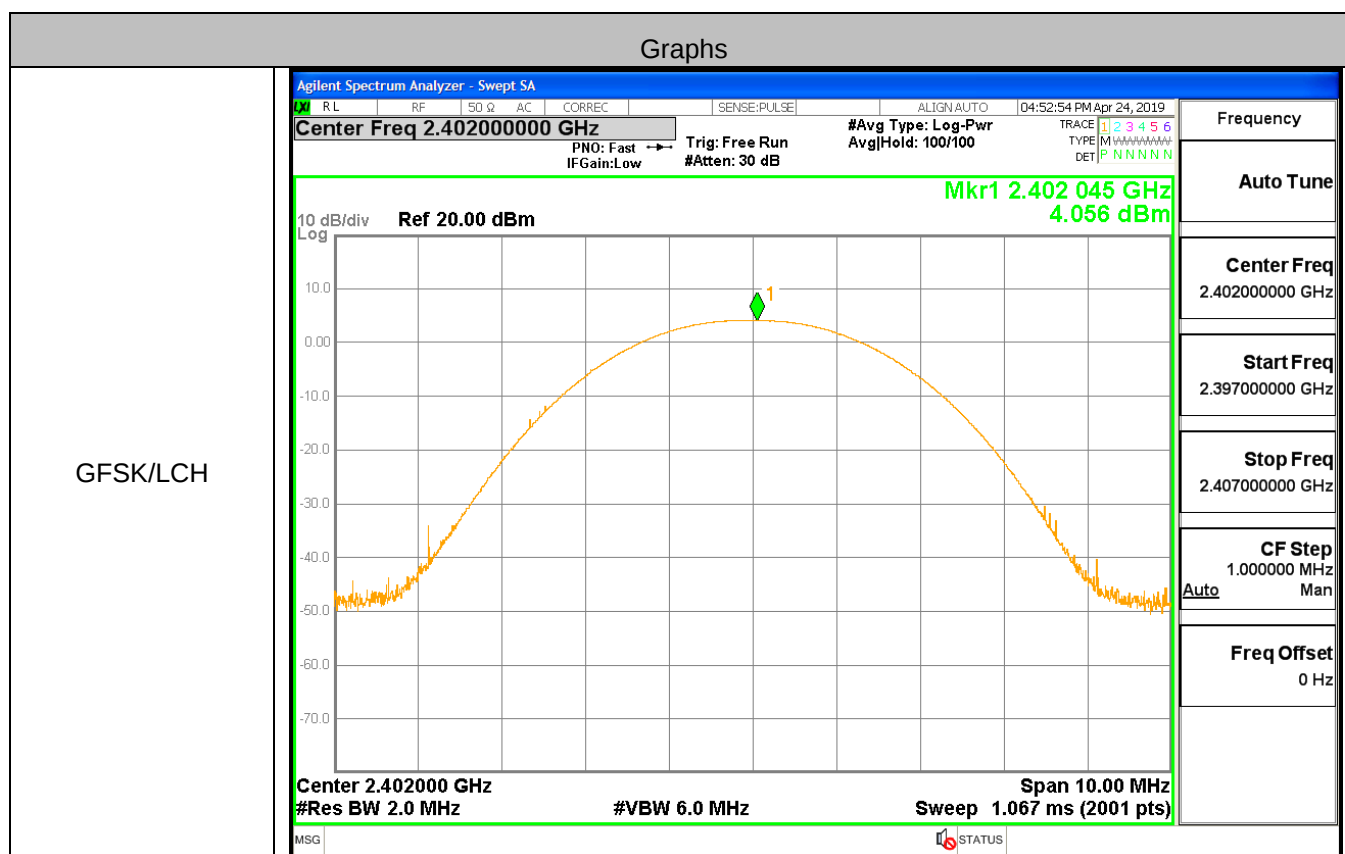


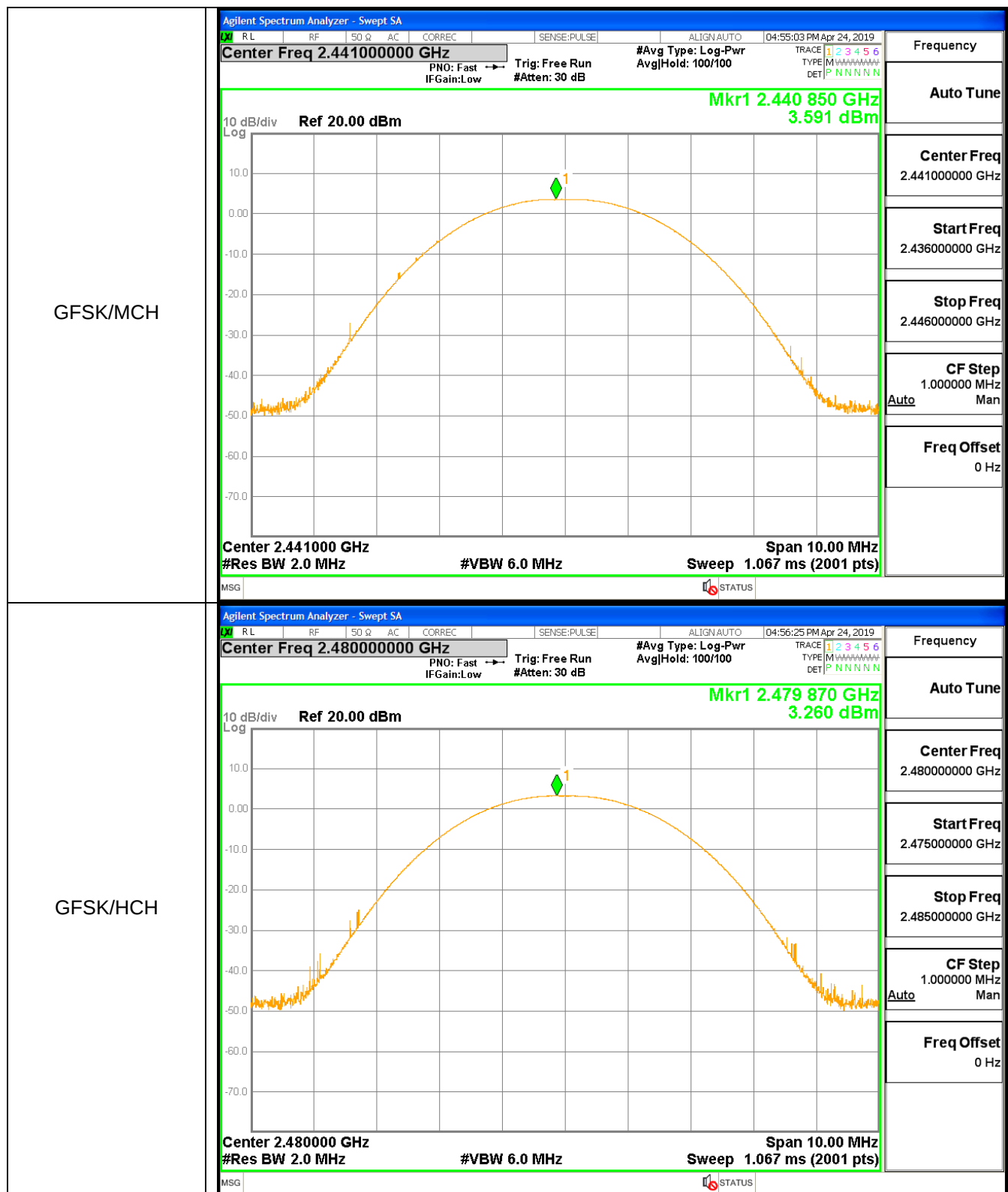


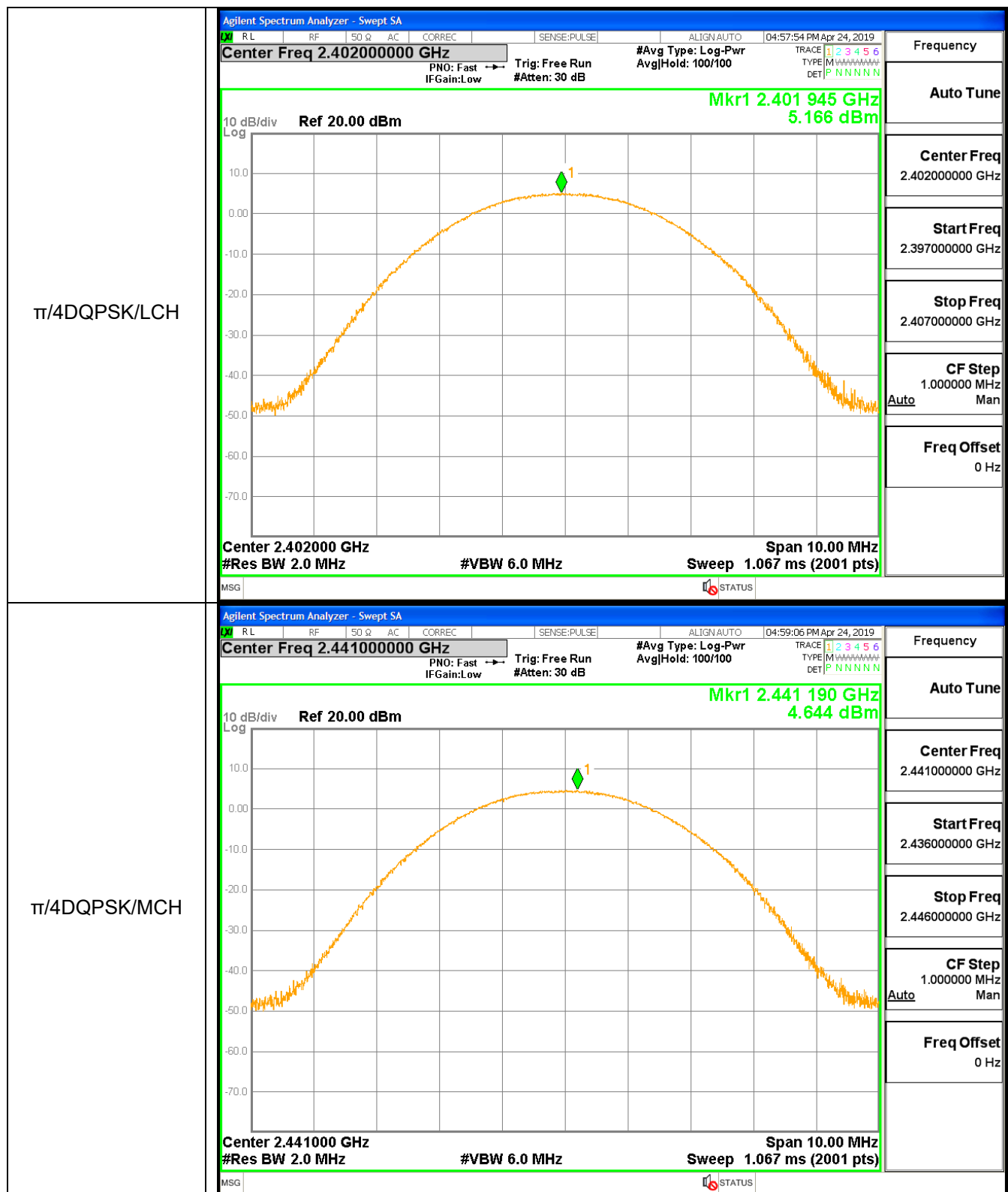
A.5 Conducted Peak Output Power

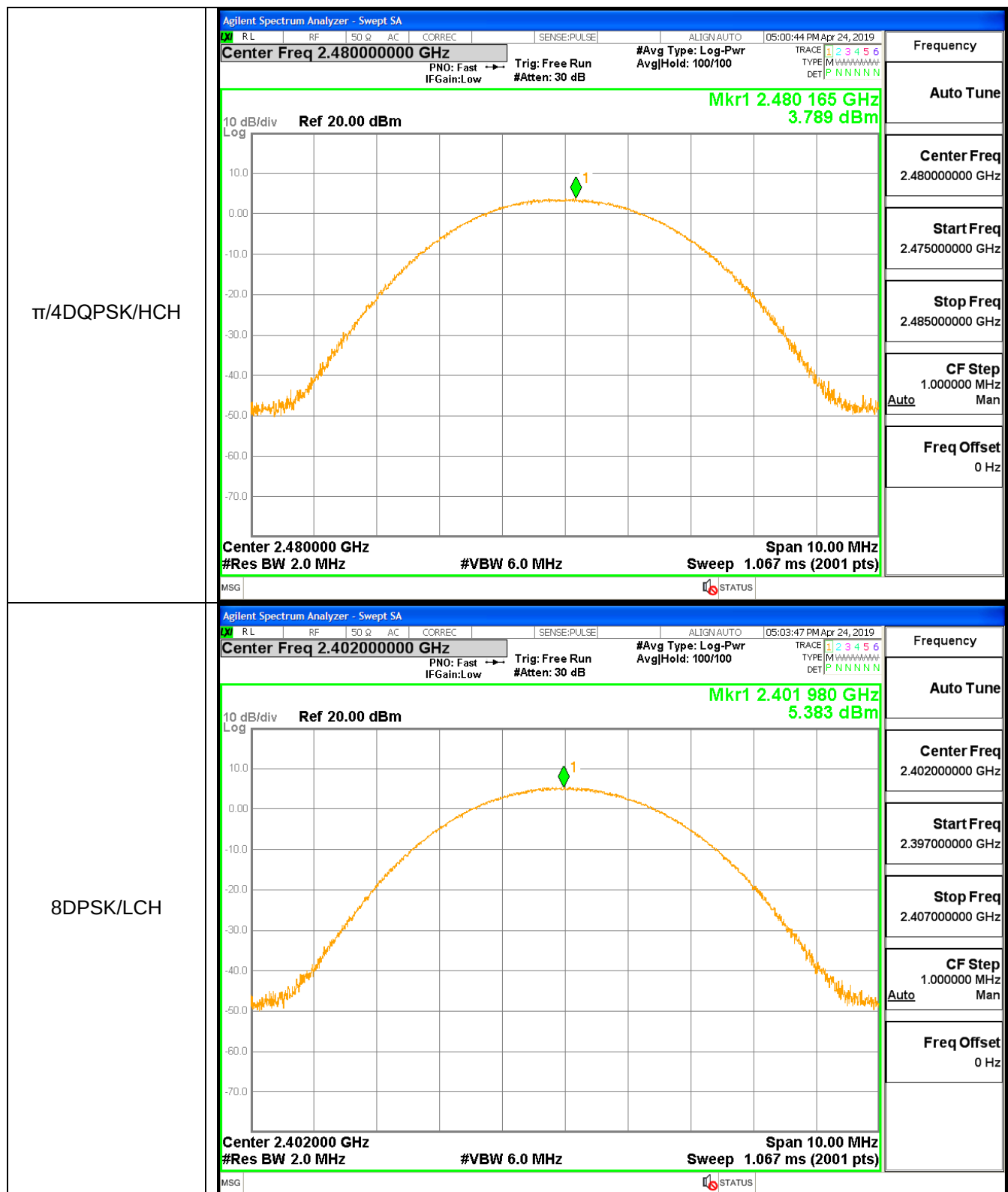
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	4.056	21	PASS
GFSK	MCH	3.591	21	PASS
GFSK	HCH	3.260	21	PASS
$\pi/4$ DQPSK	LCH	5.166	21	PASS
$\pi/4$ DQPSK	MCH	4.644	21	PASS
$\pi/4$ DQPSK	HCH	3.789	21	PASS
8DPSK	LCH	5.383	21	PASS
8DPSK	MCH	4.852	21	PASS
8DPSK	HCH	3.992	21	PASS

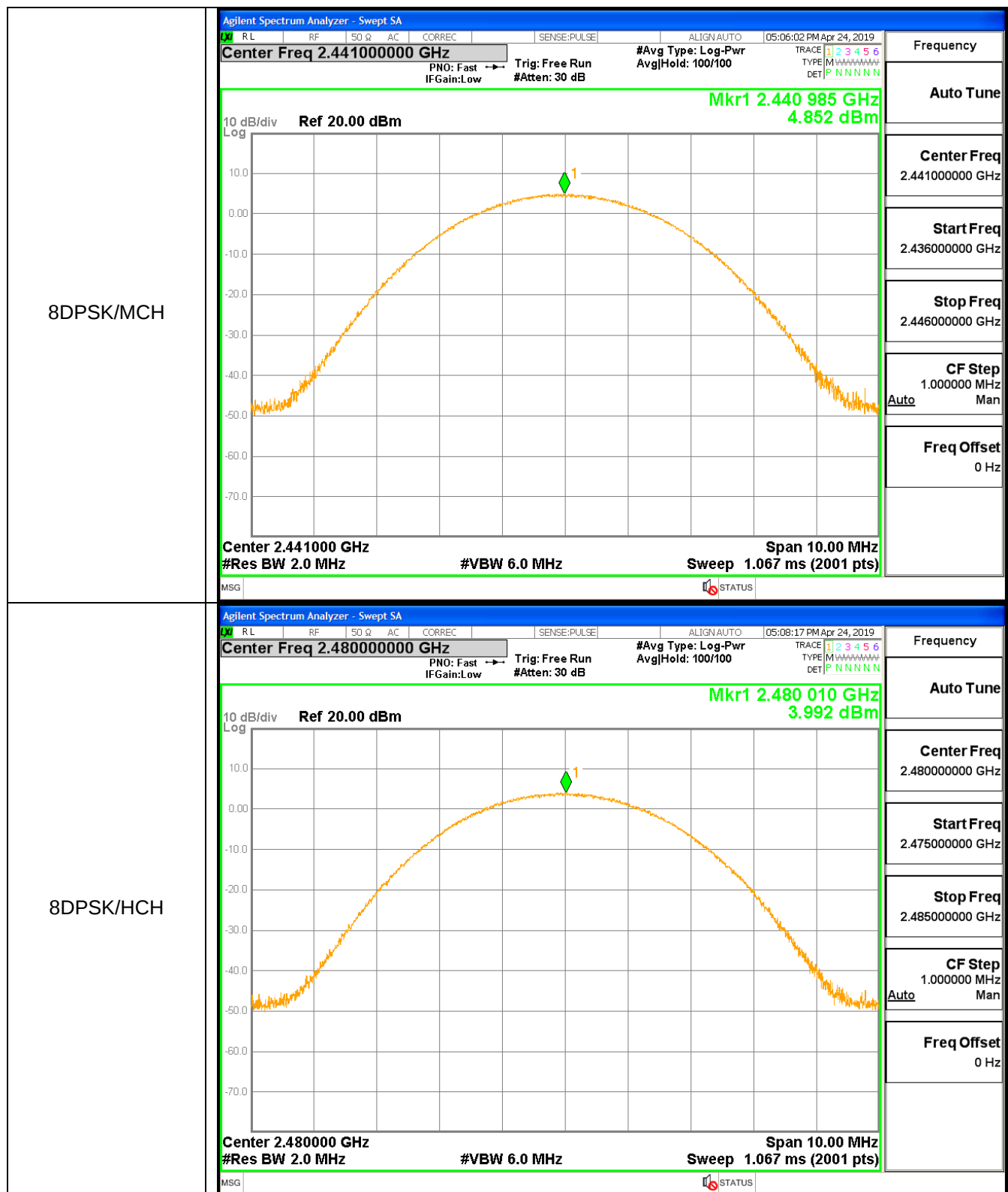
Test Graph











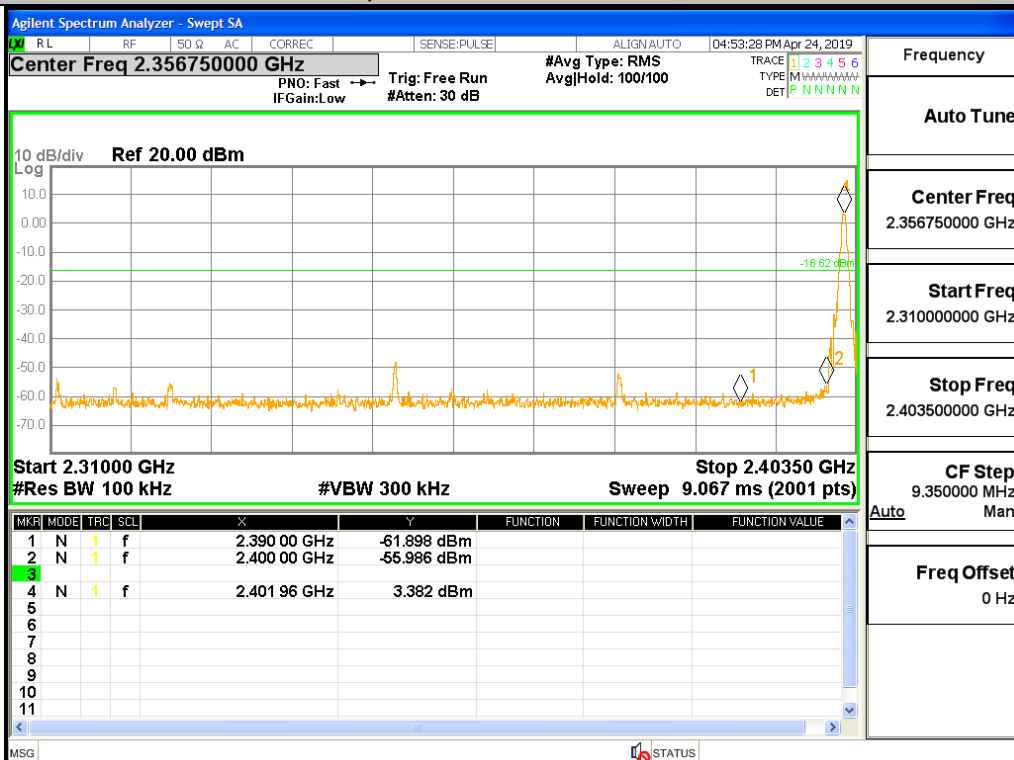
A.6 Band-edge for RF Conducted Emissions

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

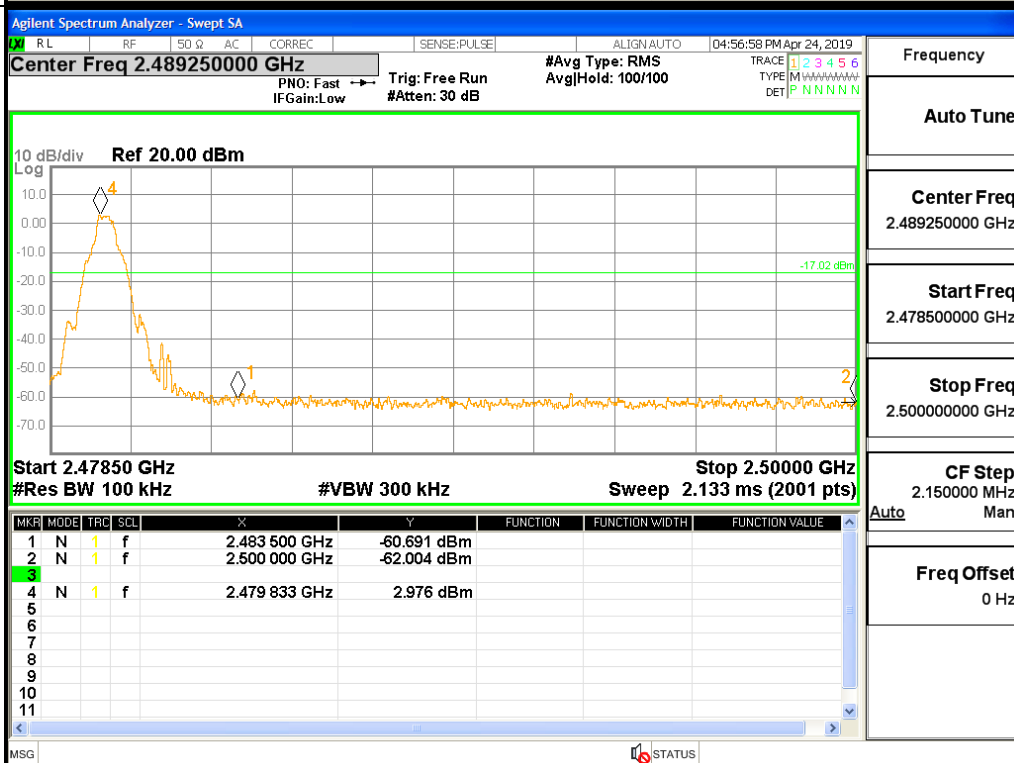
Test Graph

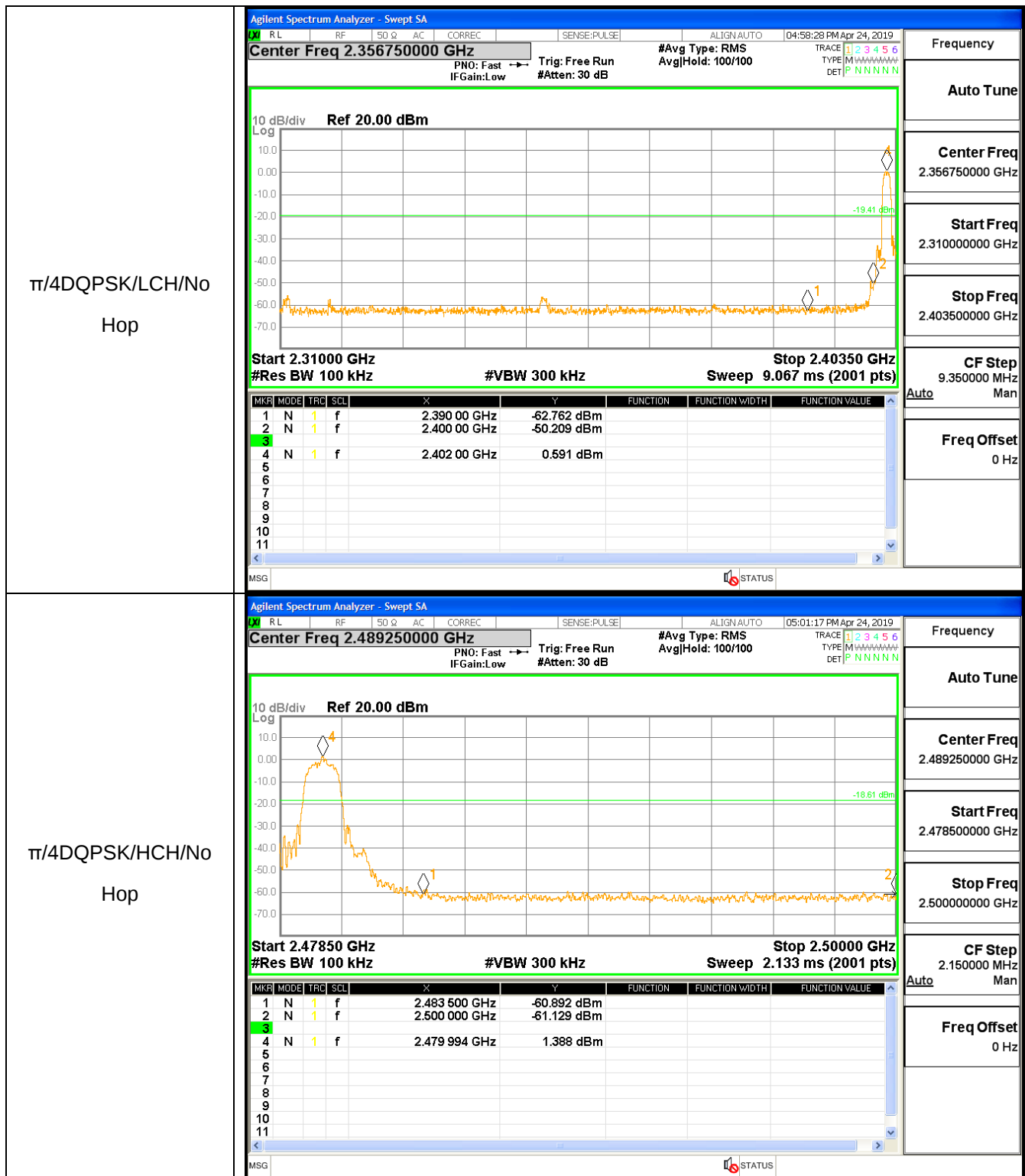
Graphs

GFSK/LCH/No Hop

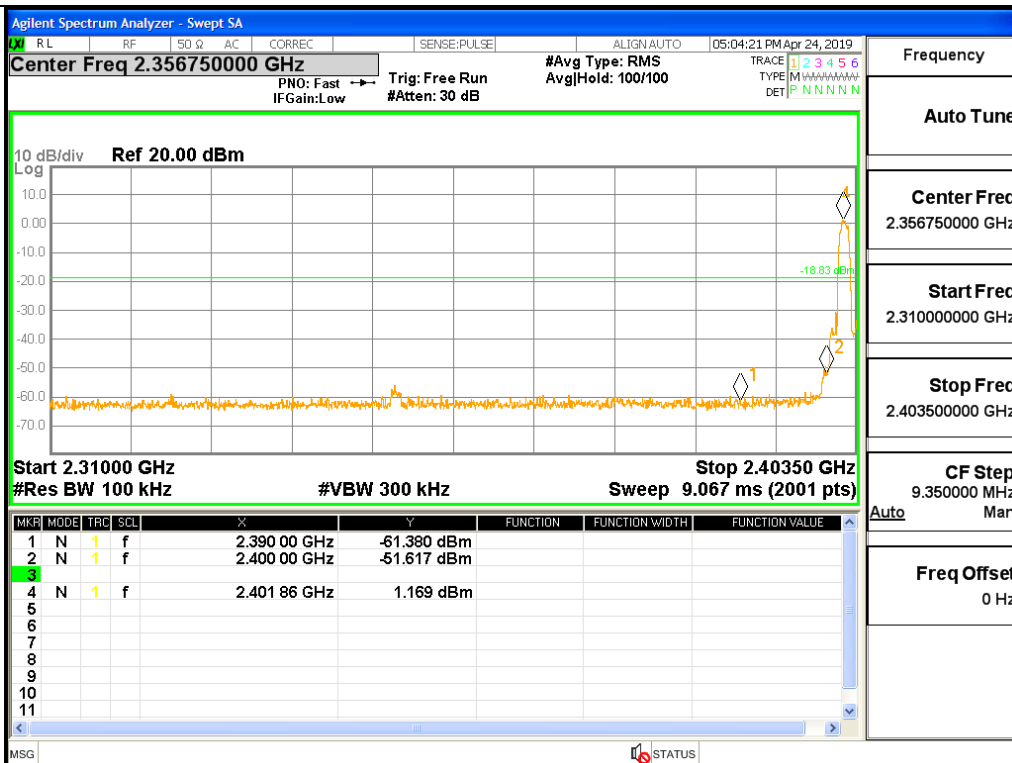


GFSK/HCH/No Hop

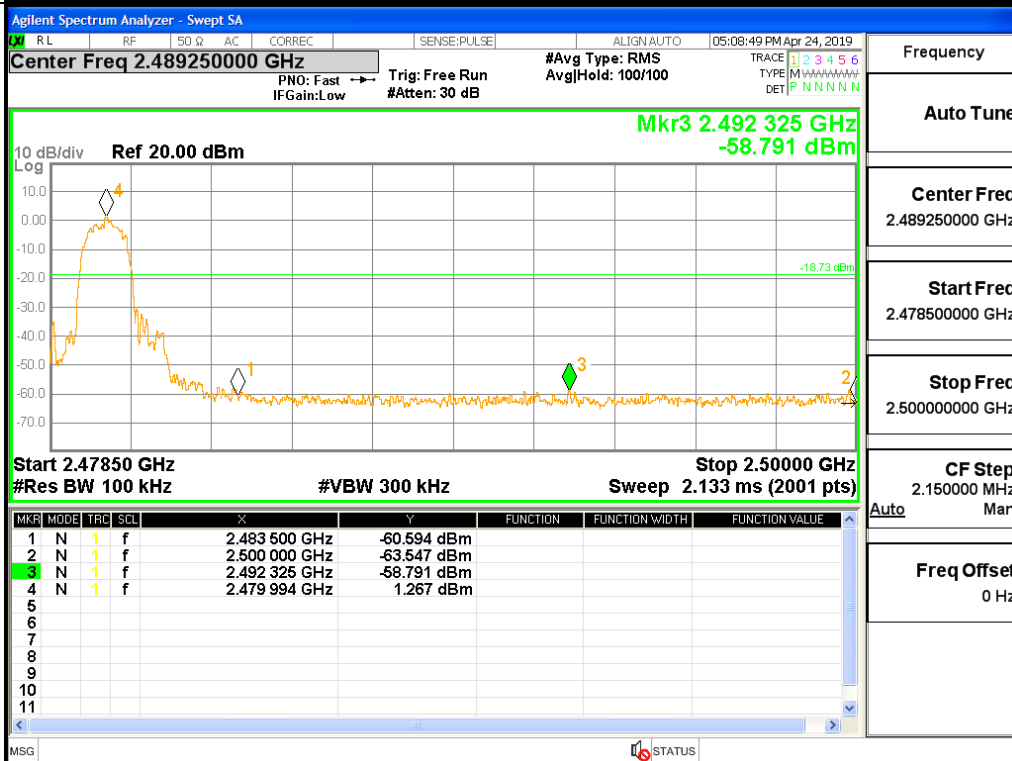




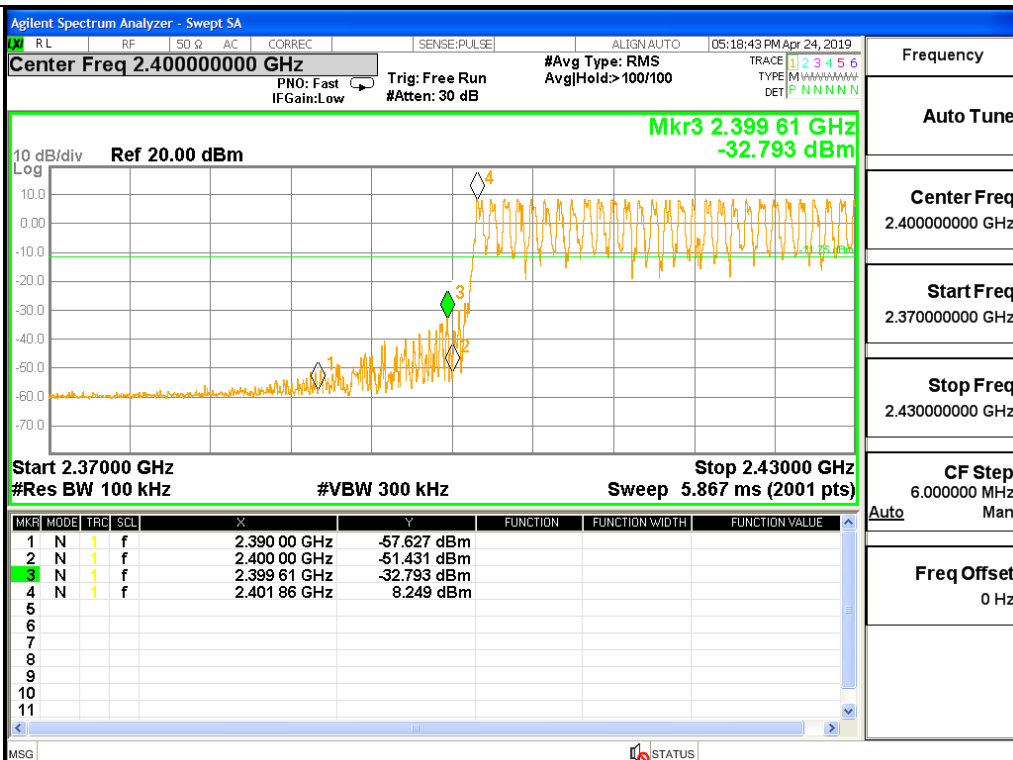
8DPSK/LCH/No Hop



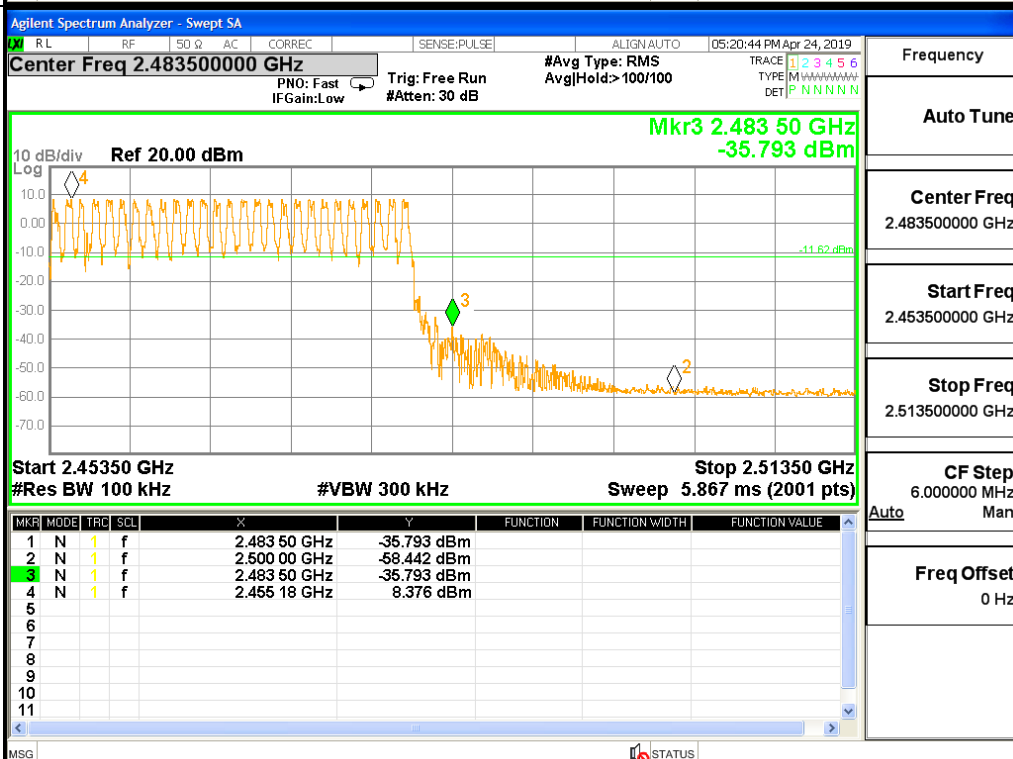
8DPSK/HCH/No Hop

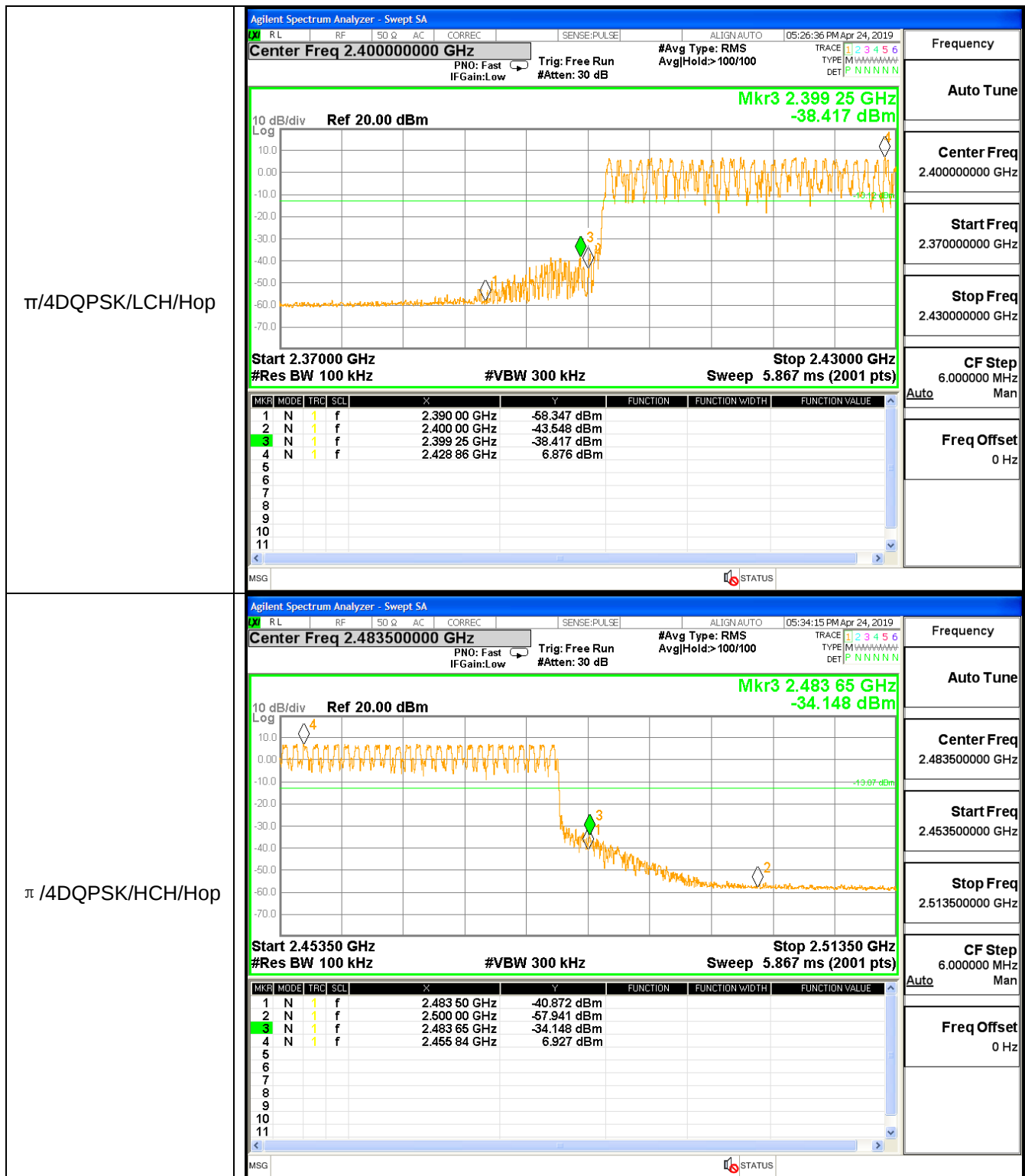


GFSK/LCH/Hop

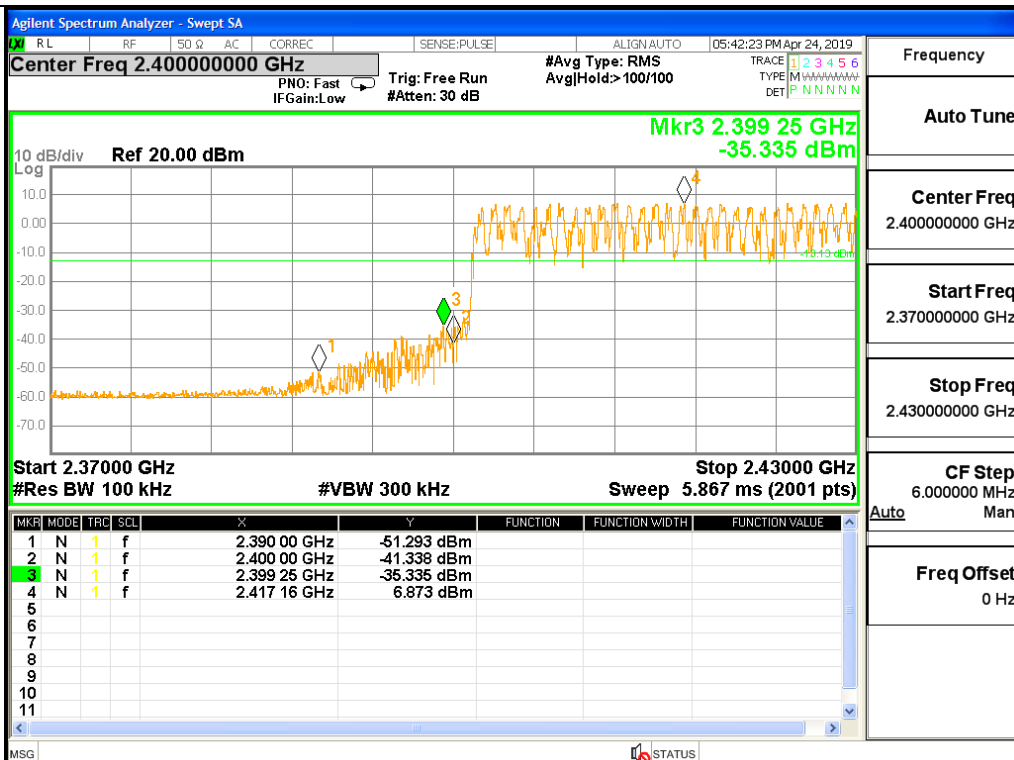


GFSK/HCH/Hop

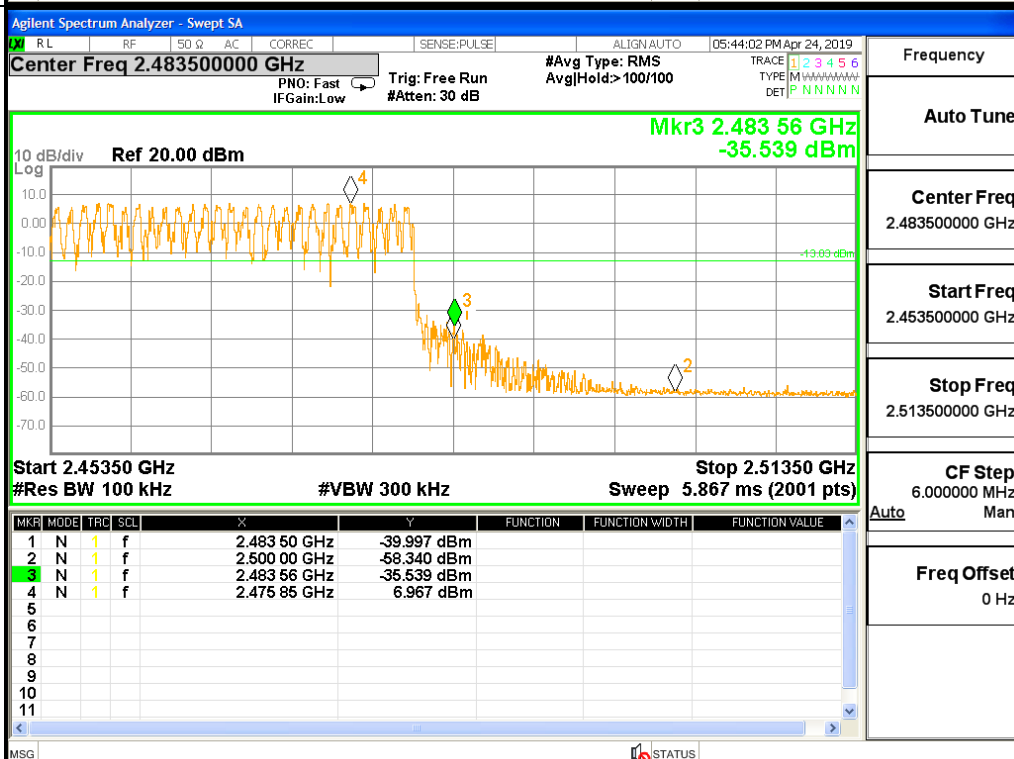




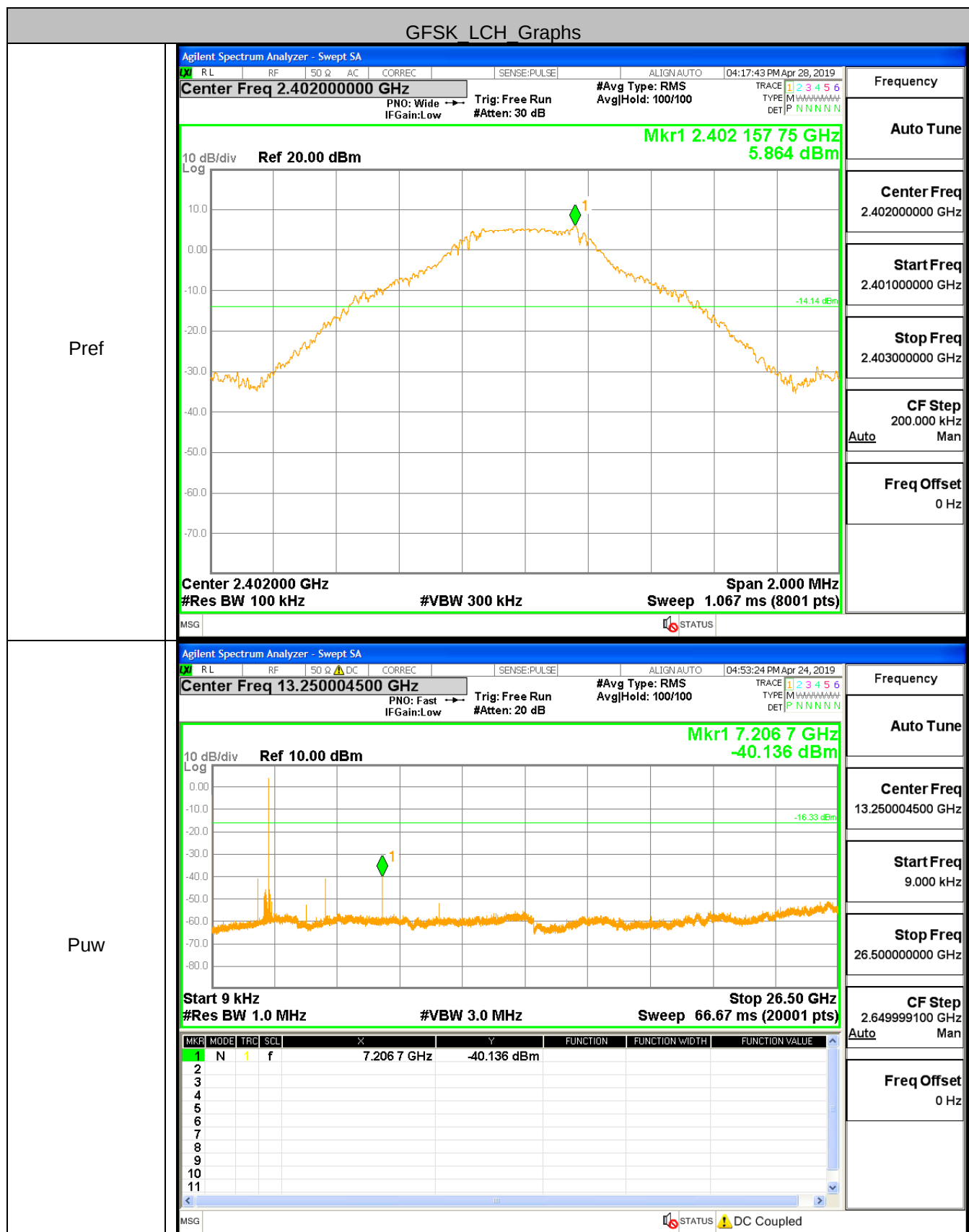
8DPSK/LCH/Hop



8DPSK/HCH/Hop

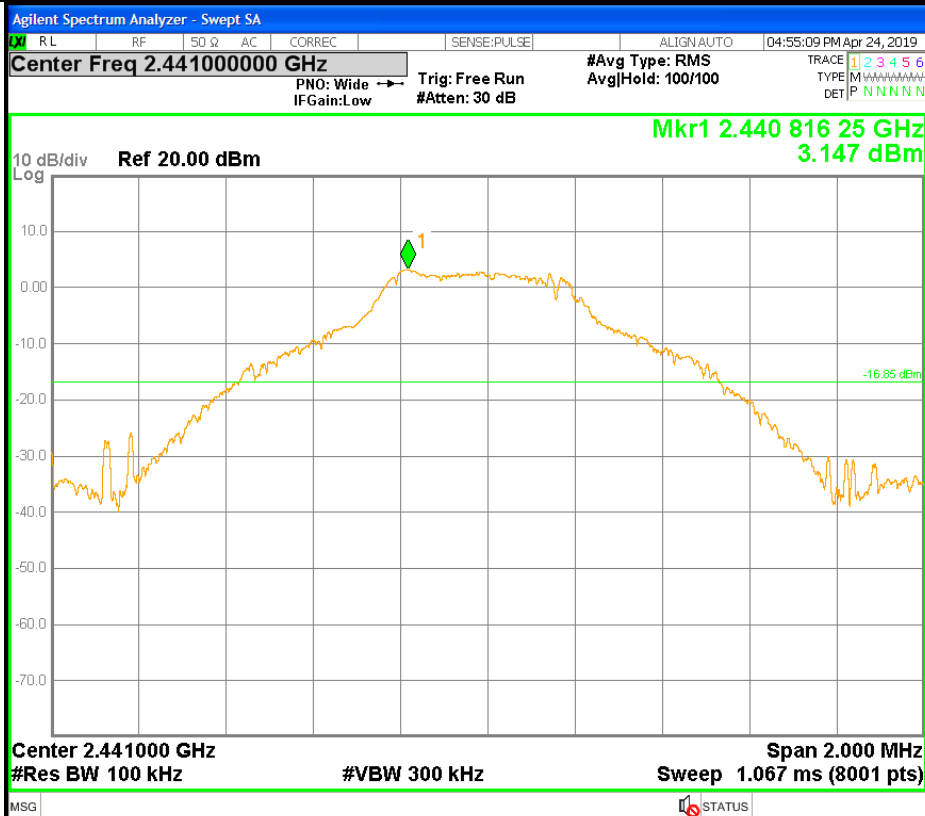


A.7 RF Conducted Spurious Emissions Test Graph



GFSK MCH Graphs

Pref



Frequency

Auto Tune

Center Freq
2.441000000 GHz

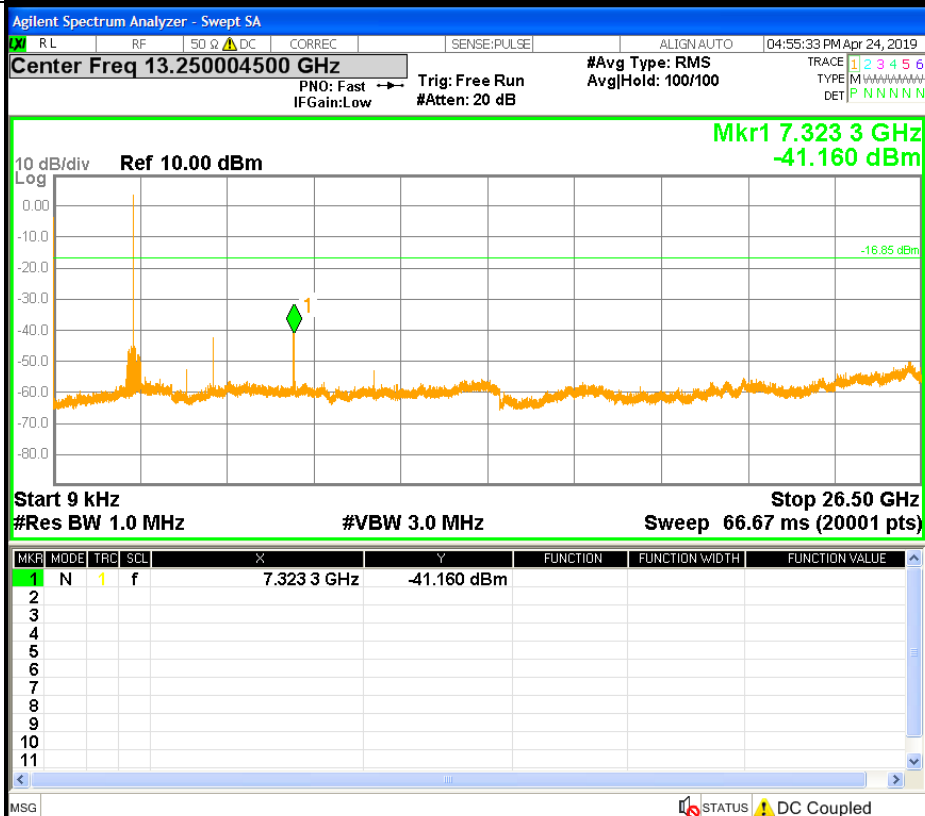
Start Freq
2.440000000 GHz

Stop Freq
2.442000000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

Puw



Frequency

Auto Tune

Center Freq
13.250004500 GHz

Start Freq
9.000 kHz

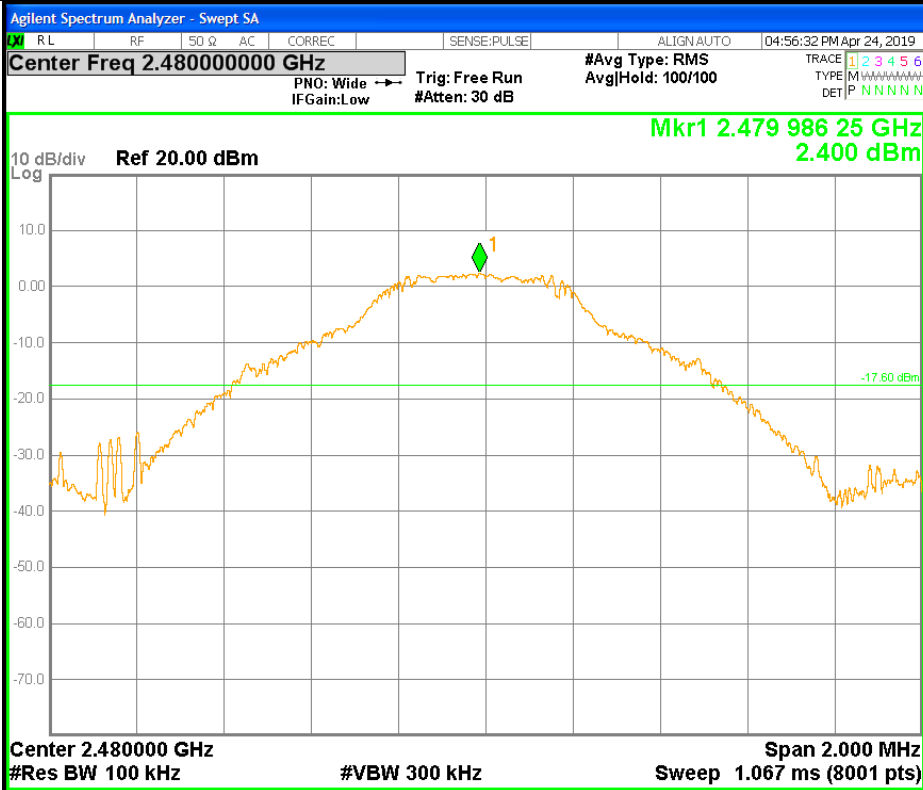
Stop Freq
26.500000000 GHz

CF Step
2.649999100 GHz
Auto Man

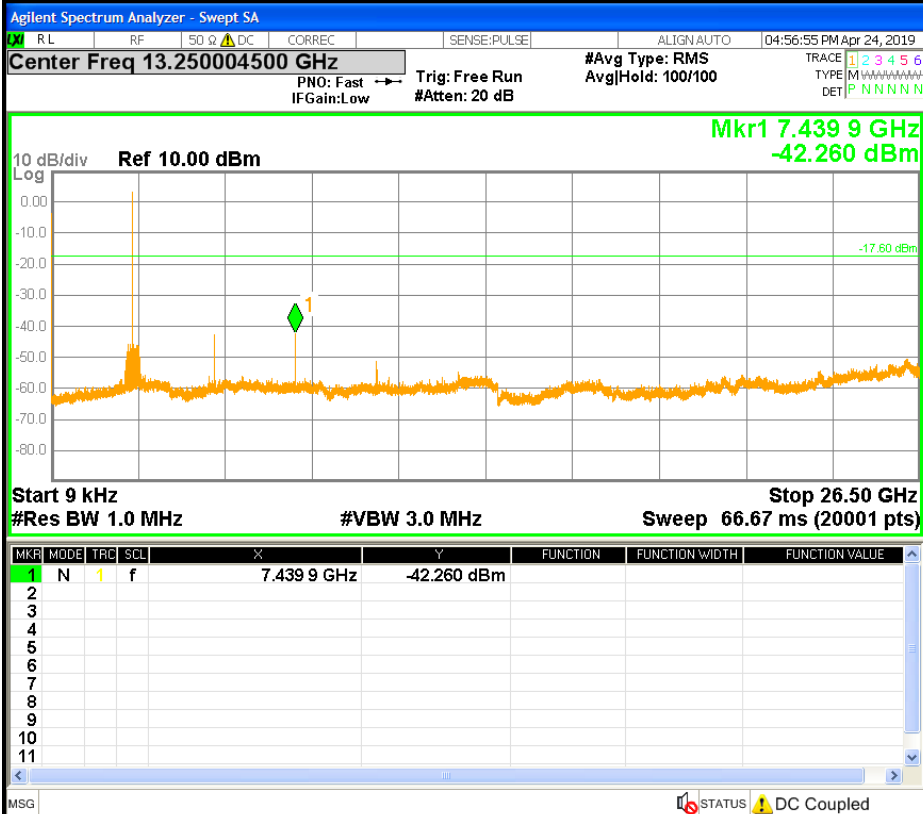
Freq Offset
0 Hz

GFSK HCH Graphs

Pref

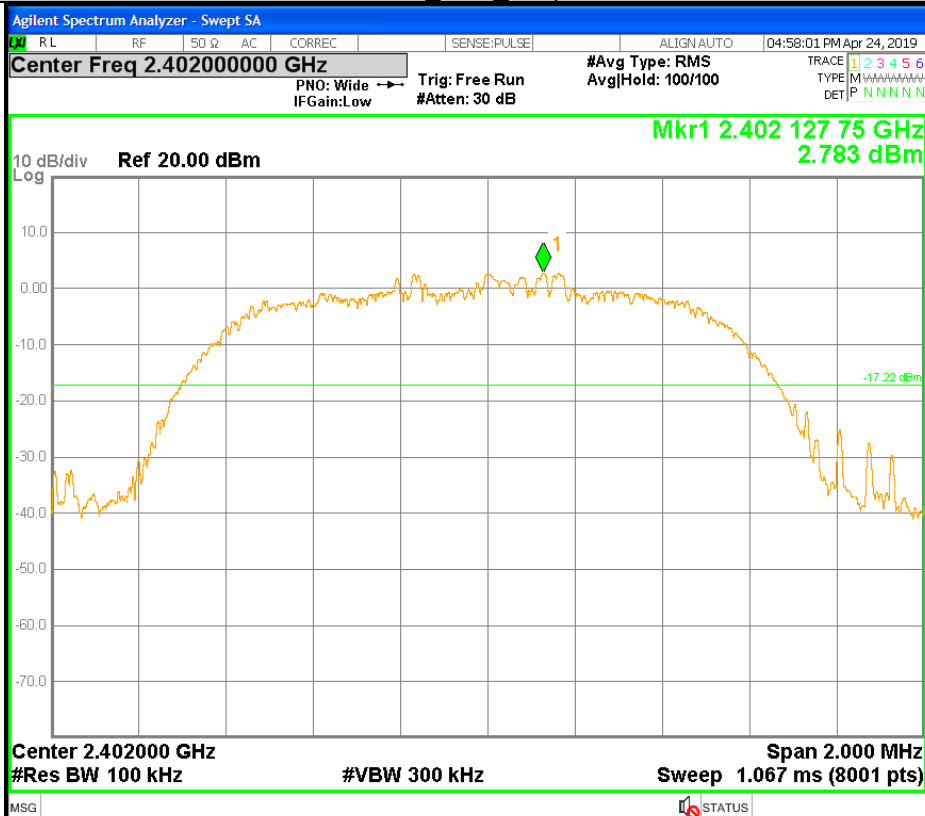


Puw



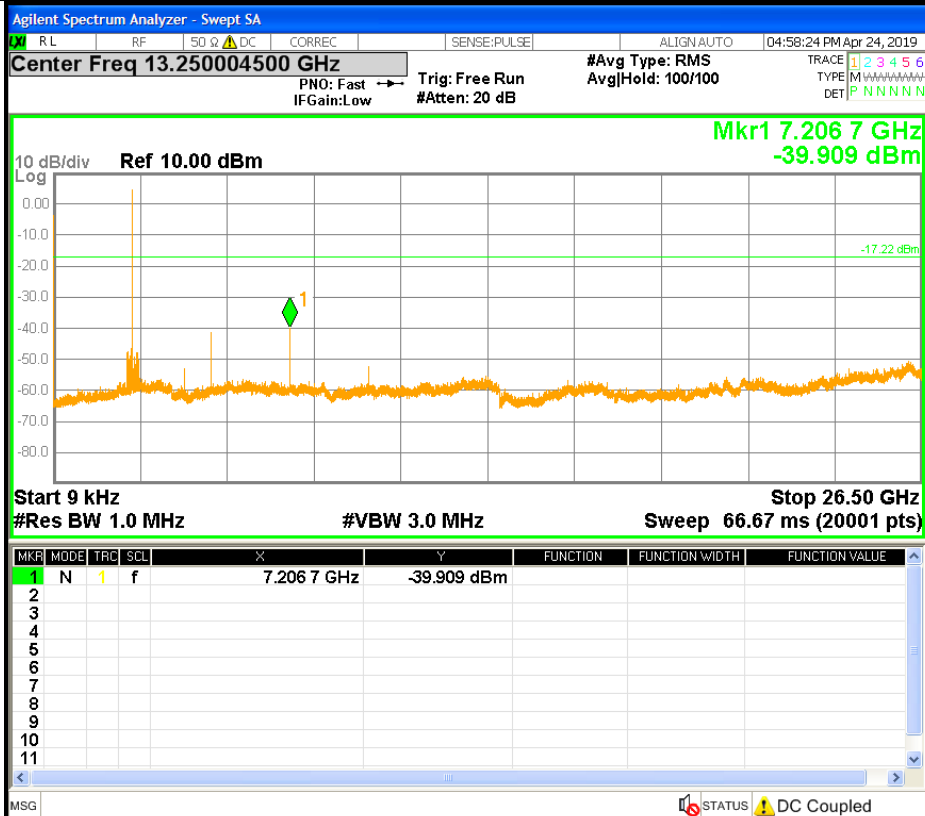
$\pi/4$ DQPSK LCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.401000000 GHz
Stop Freq 2.403000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

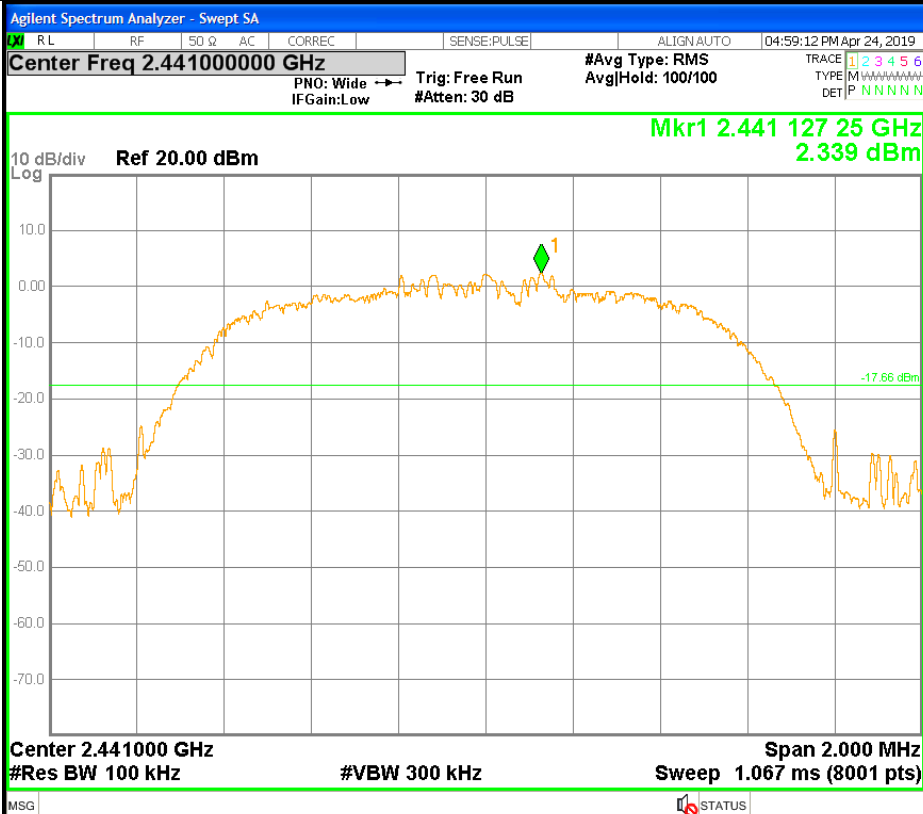
Puw



Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

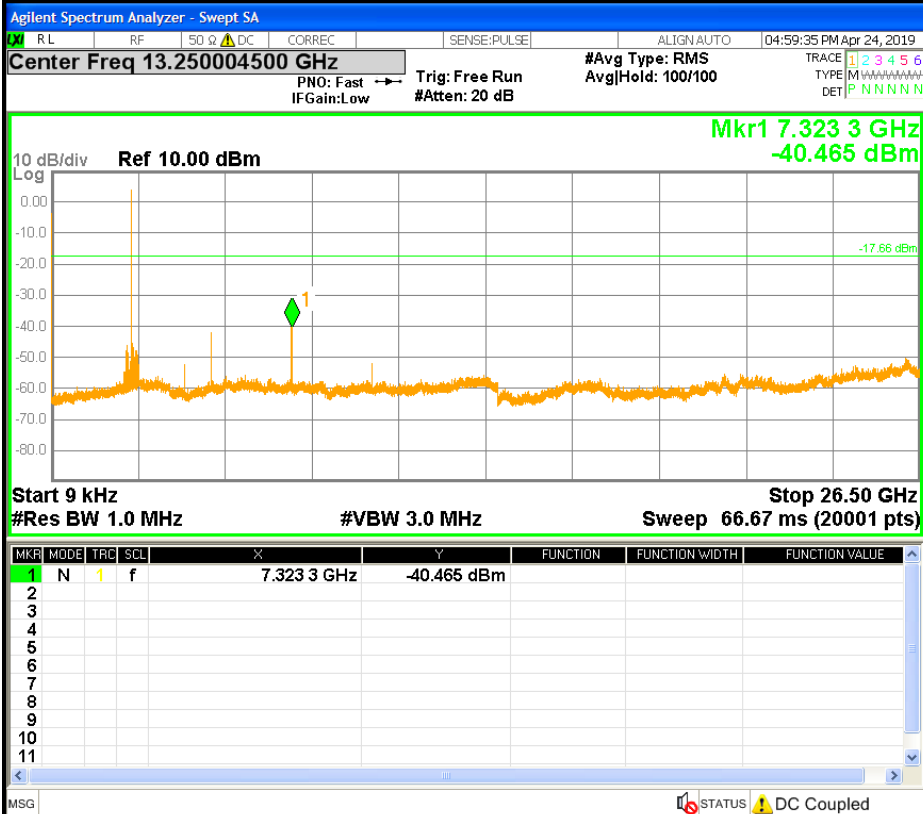
$\pi/4$ DQPSK MCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.441000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.442000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

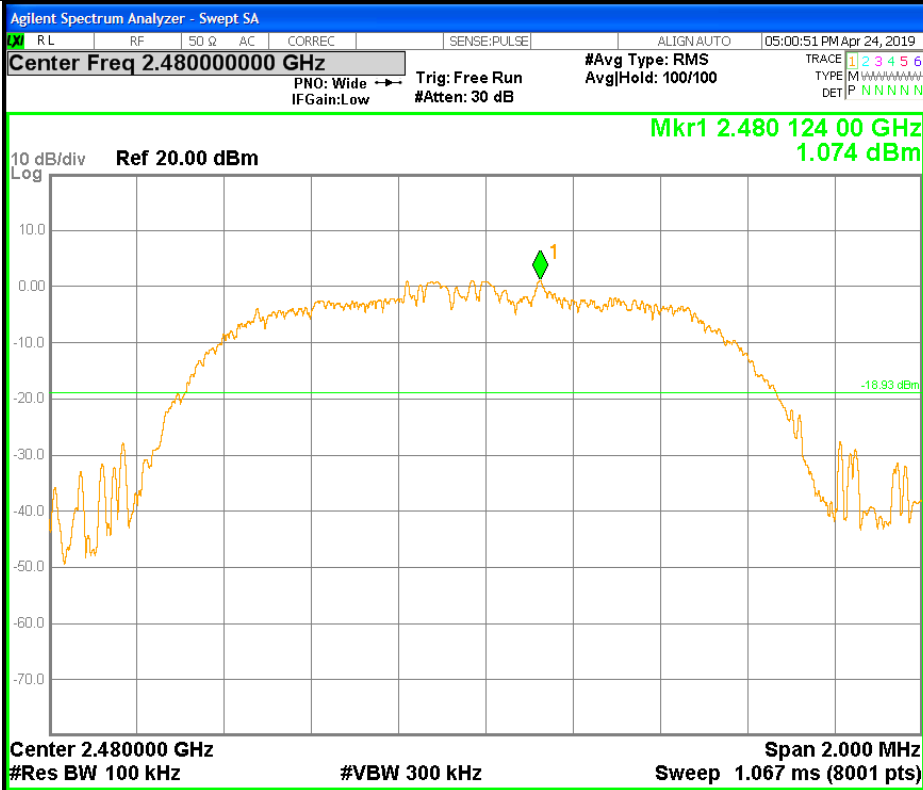
Puw



Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

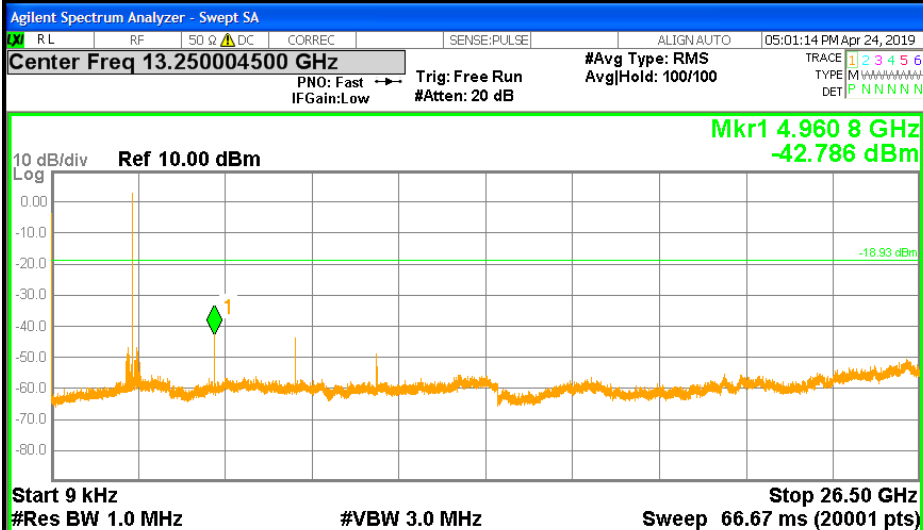
$\pi/4$ DQPSK HCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.480000000 GHz
Start Freq 2.479000000 GHz
Stop Freq 2.481000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

Puw

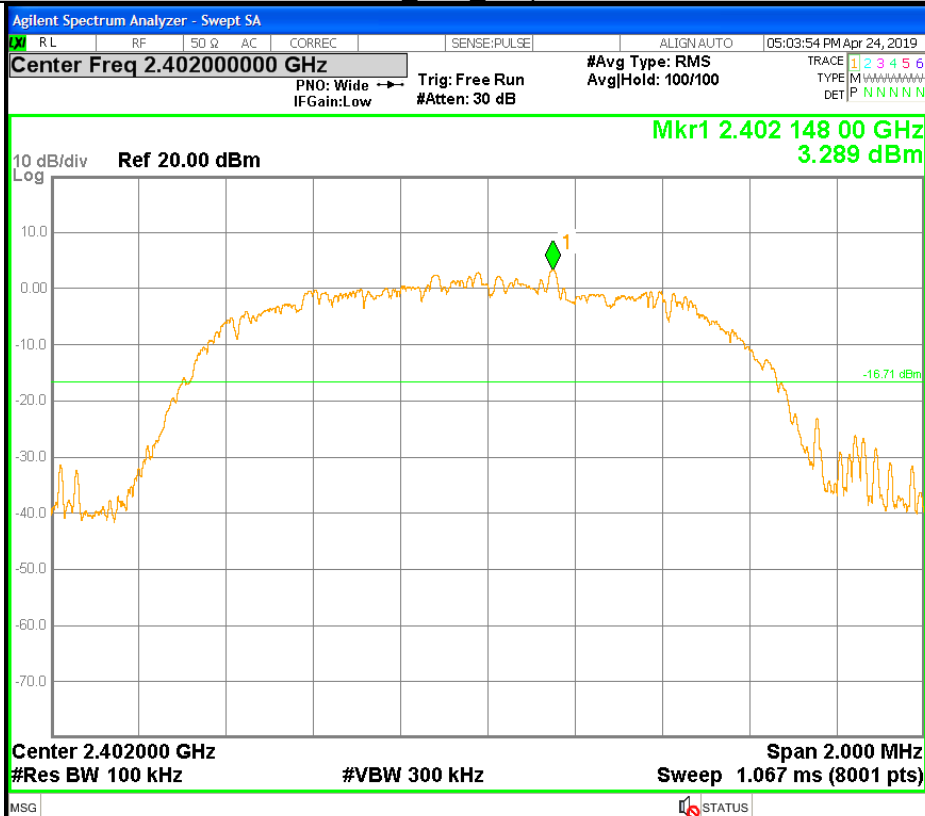


Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	4.960 8 GHz	-42.786 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

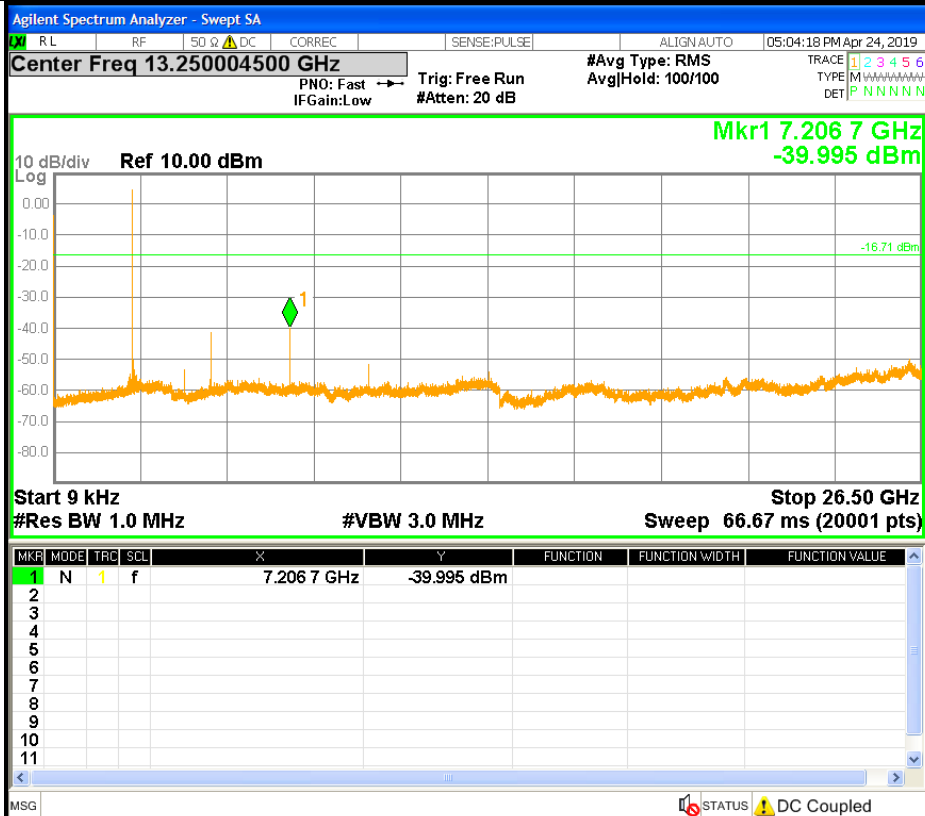
8DPSK LCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.401000000 GHz
Stop Freq 2.403000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

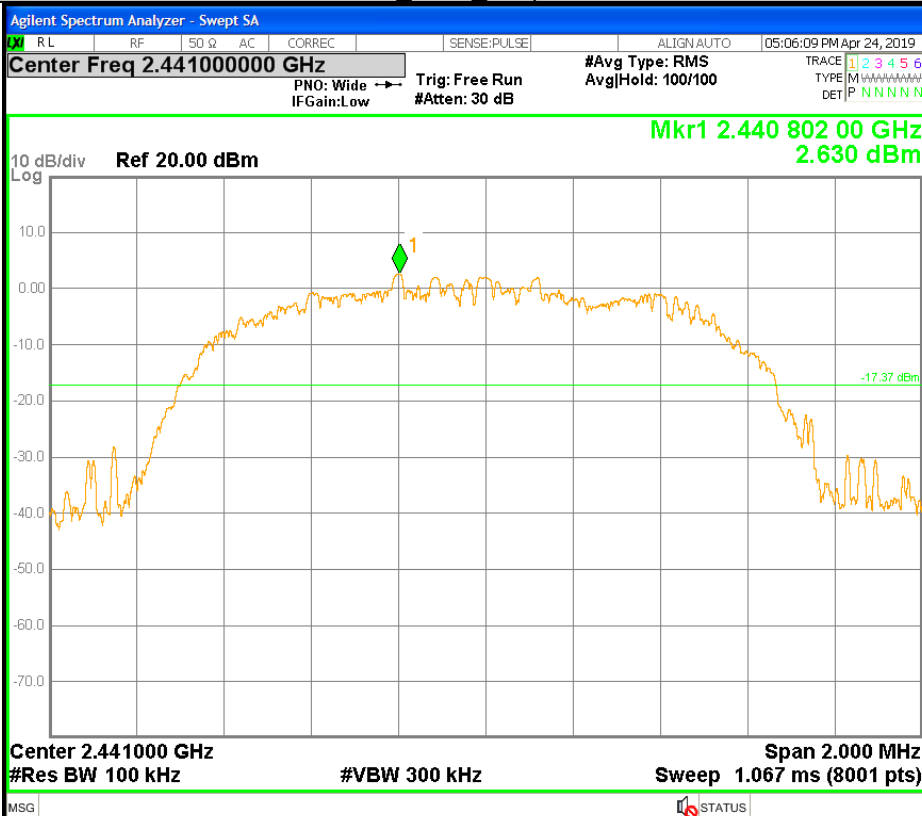
Puw



Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

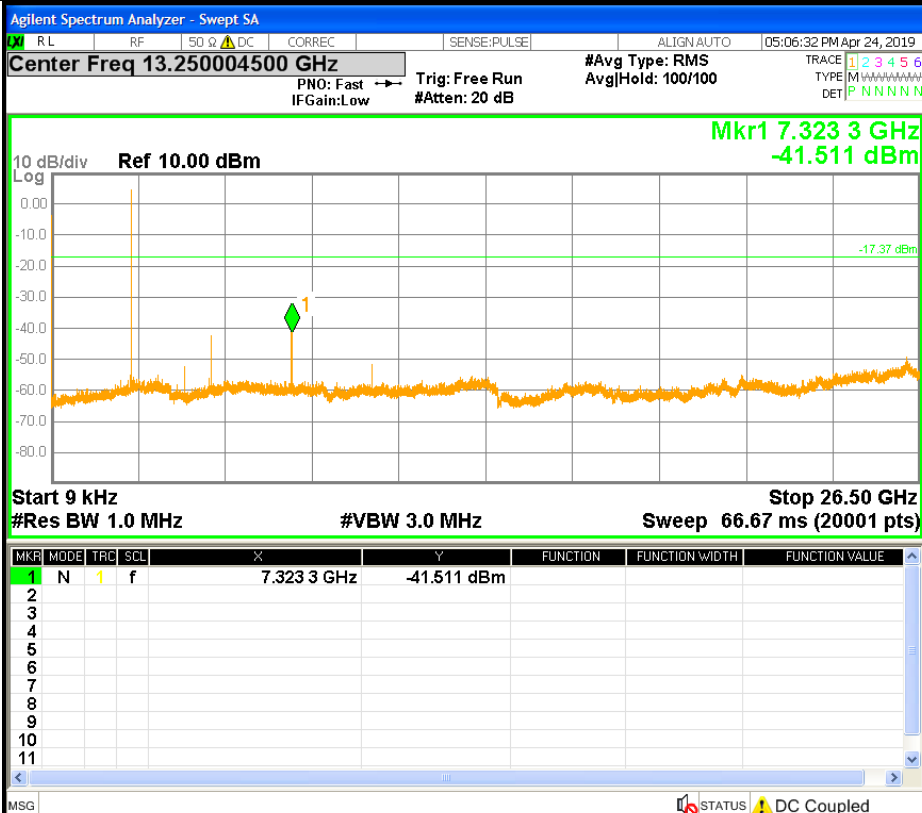
8DPSK MCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.441000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.442000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

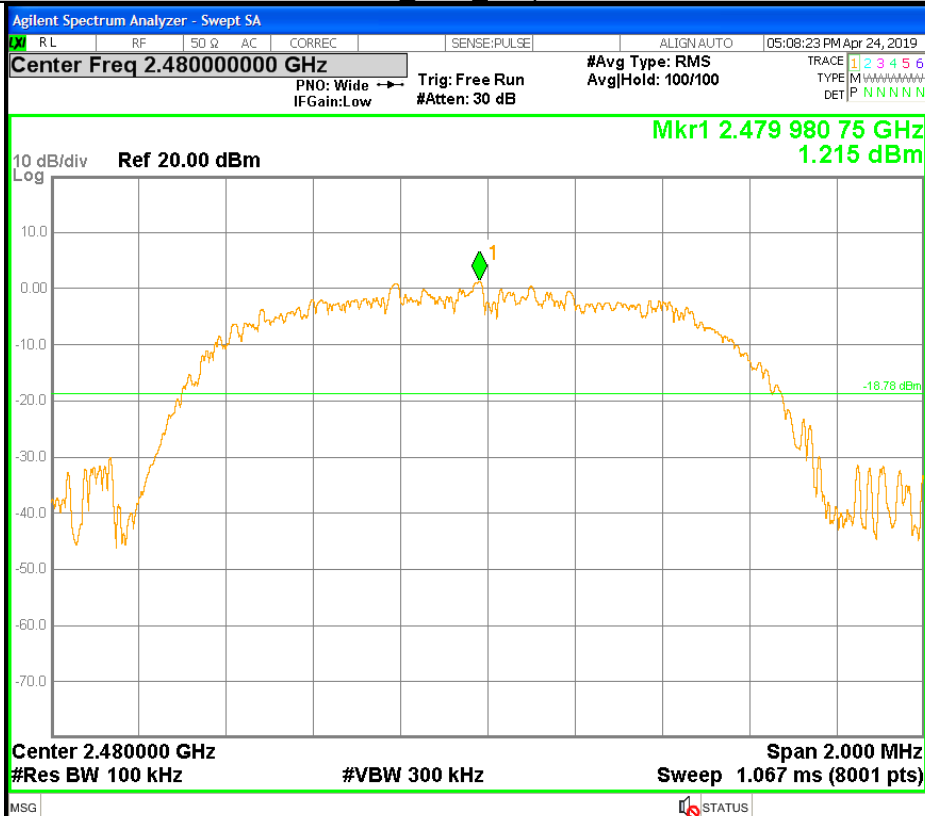
Puw



Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

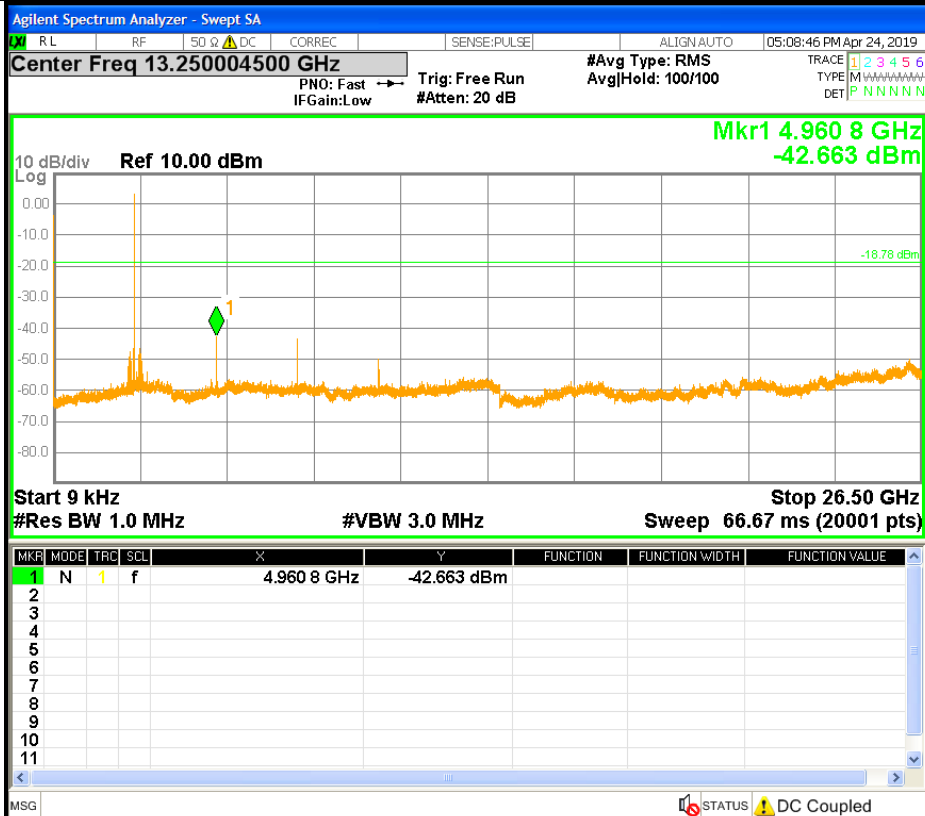
8DPSK HCH Graphs

Pref



Frequency
Auto Tune
Center Freq 2.480000000 GHz
Start Freq 2.479000000 GHz
Stop Freq 2.481000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

Puw



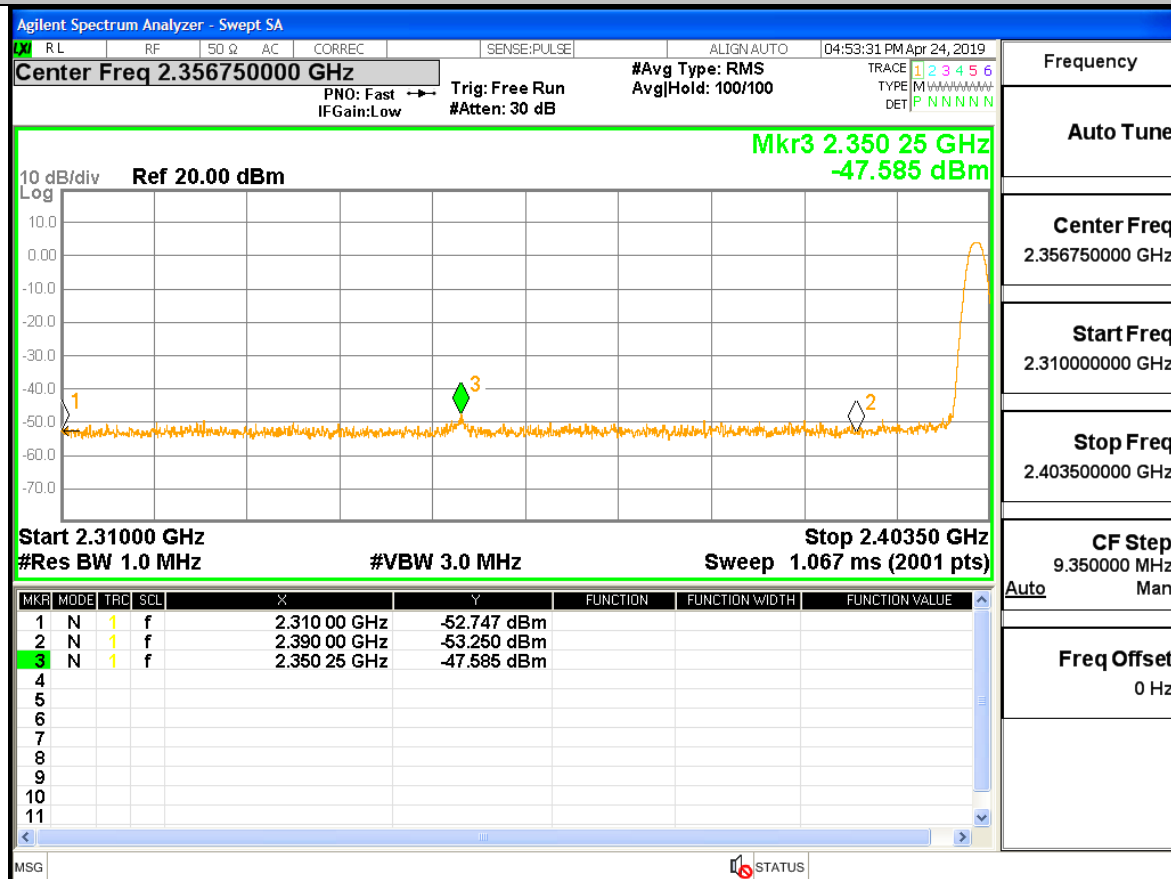
Frequency
Auto Tune
Center Freq 13.250004500 GHz
Start Freq 9.000 kHz
Stop Freq 26.500000000 GHz
CF Step 2.649999100 GHz Auto Man
Freq Offset 0 Hz

A.8 Restrict-band band-edge measurements

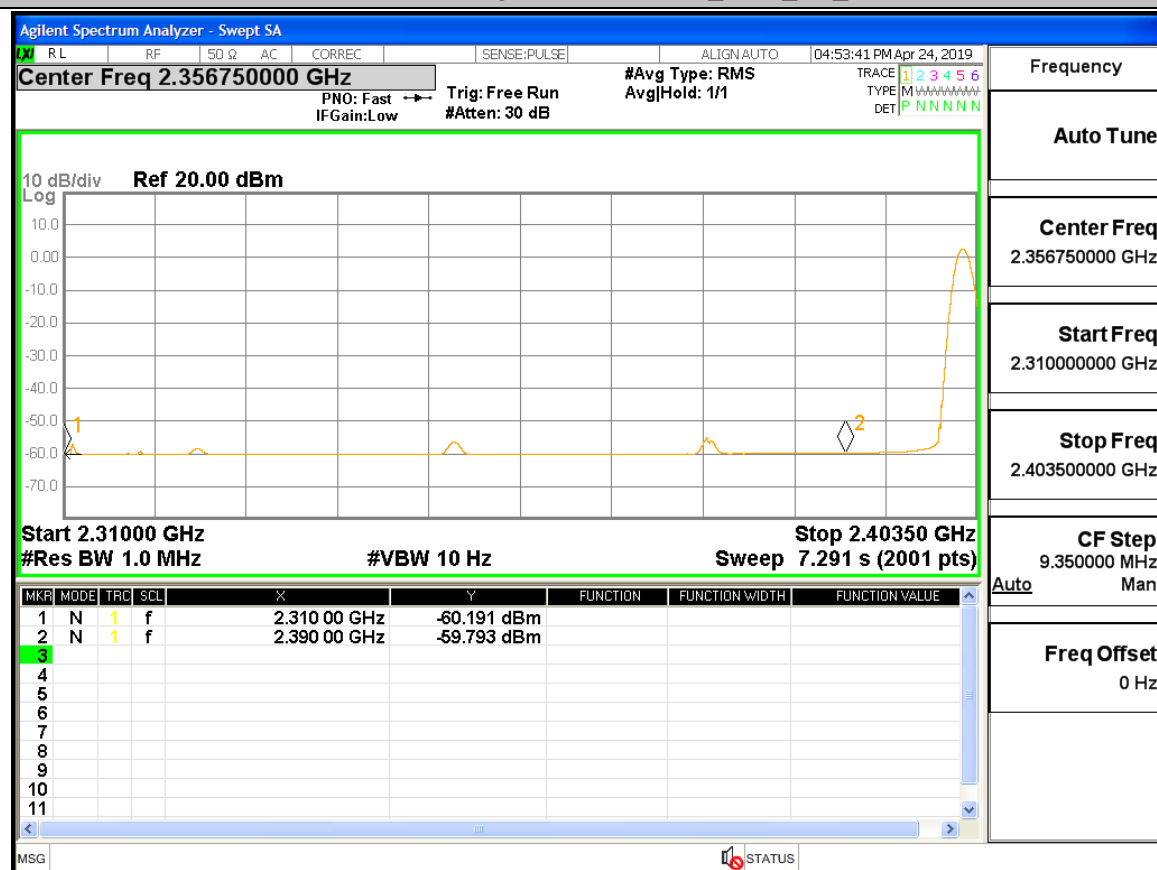
Type	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2350.25	2.00	0.00	-47.59	49.62	74	Pass
1DH5	2480	2483.50	2.00	0.00	-49.45	47.75	74	Pass
2DH5	2402	2349.55	2.00	0.00	-48.54	48.66	74	Pass
2DH5	2480	2483.50	2.00	0.00	-49.50	47.70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

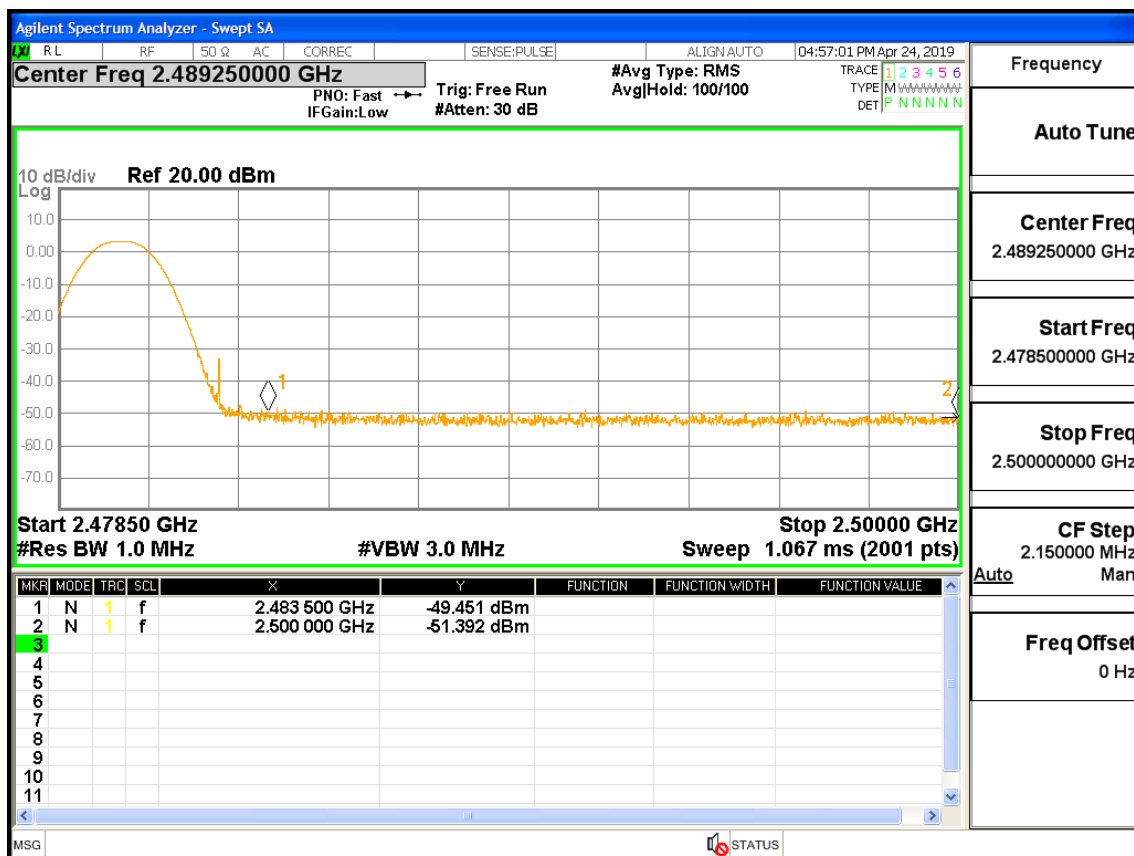
Restrict-band band-edge measurements 2402 PEAK DH5



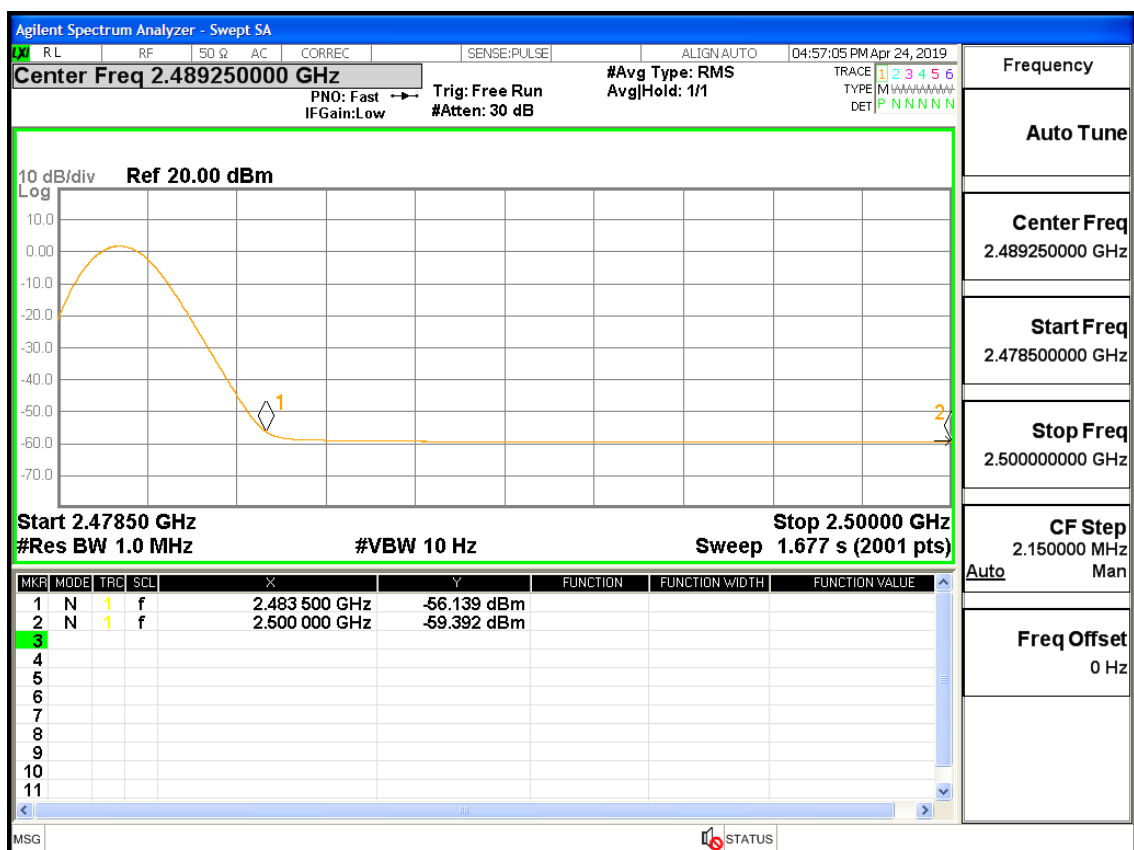
Restrict-band band-edge measurements 2402 AV DH5



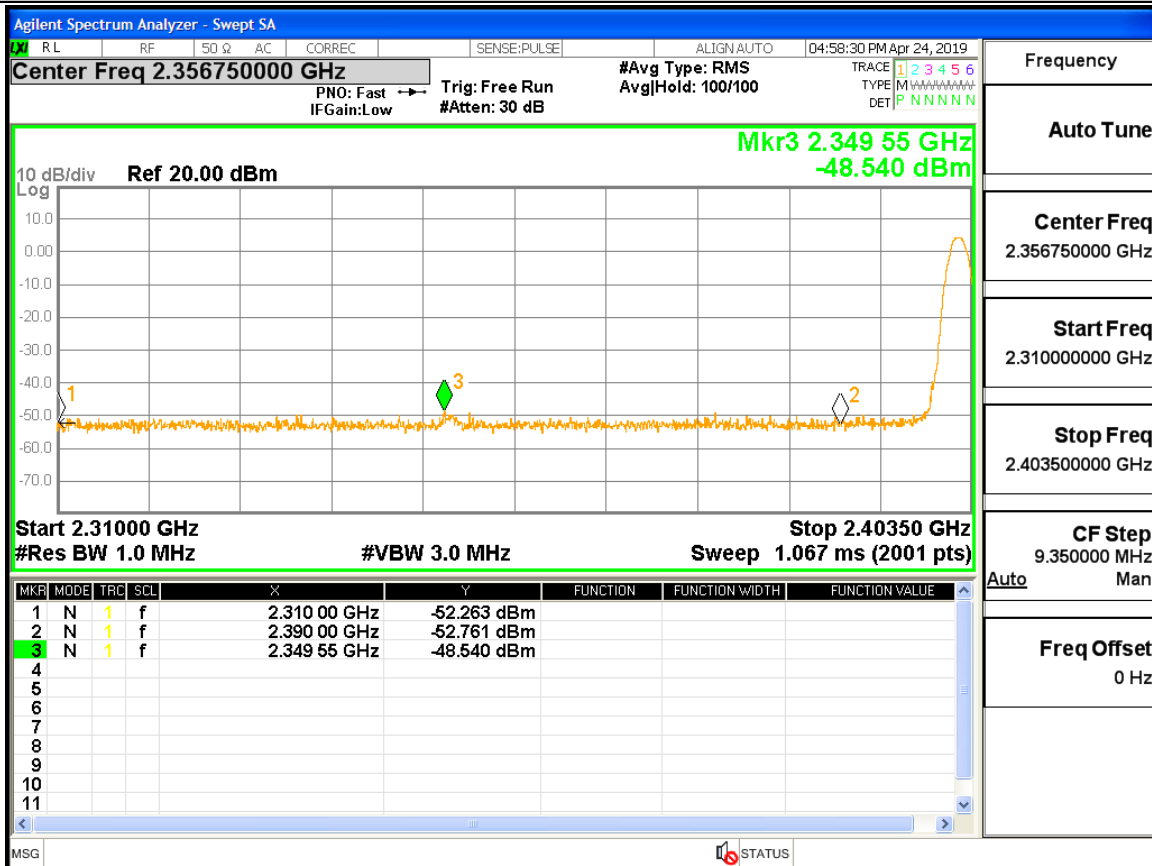
Restrict-band band-edge measurements_2480_PEAK_DH5



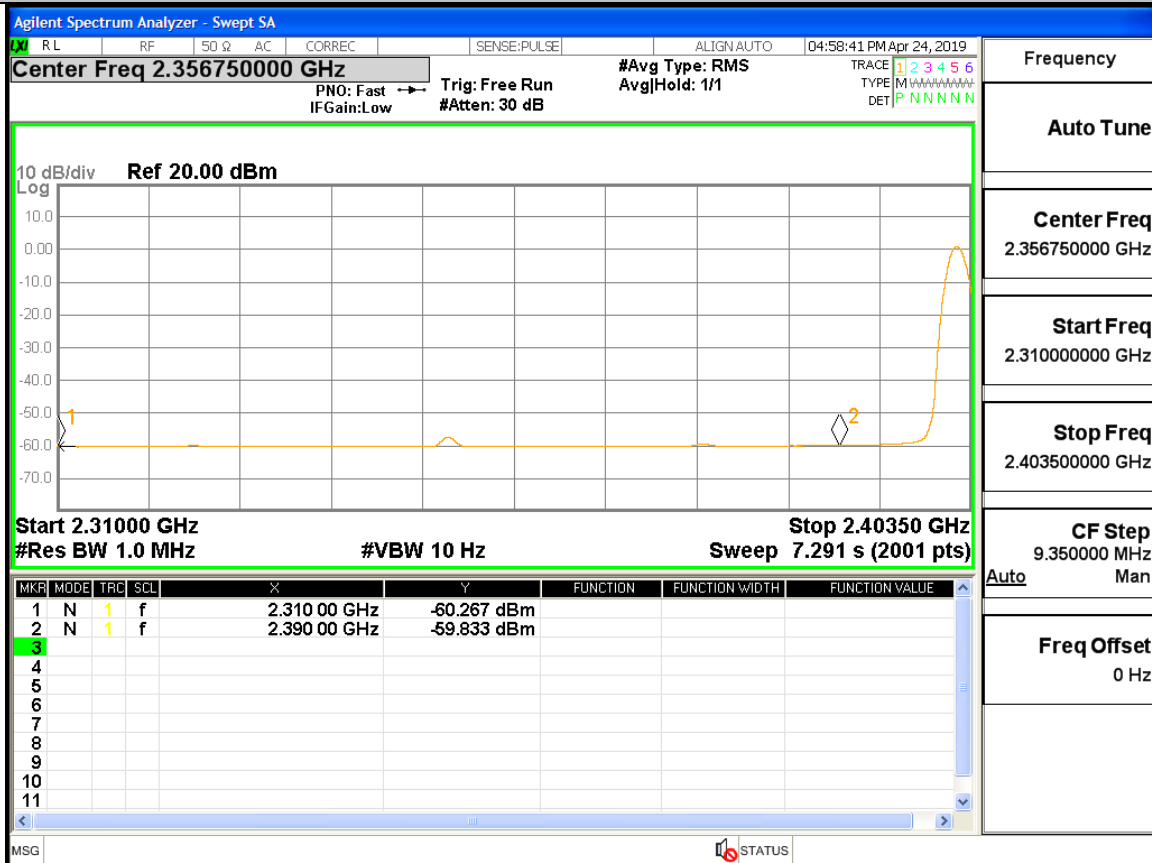
Restrict-band band-edge measurements_2480_AV_DH5



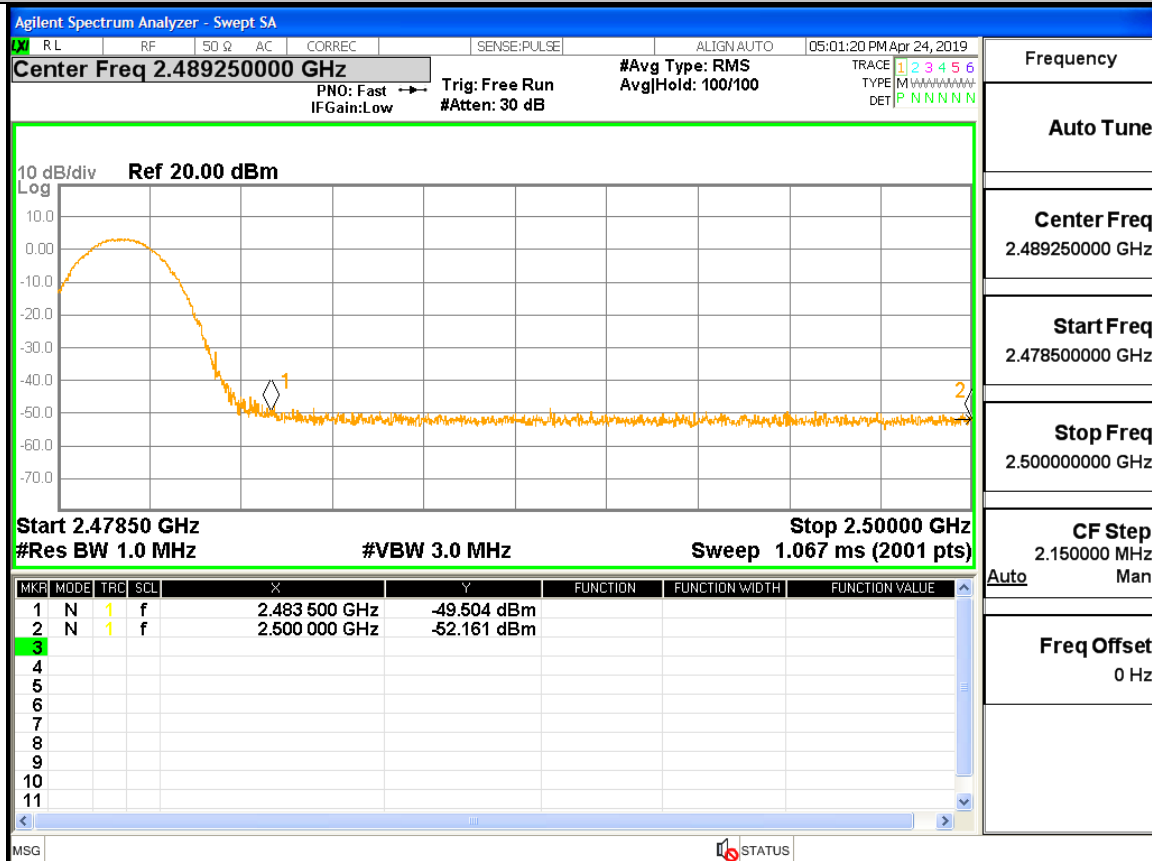
Restrict-band band-edge measurements_2402_PEAK_2DH5



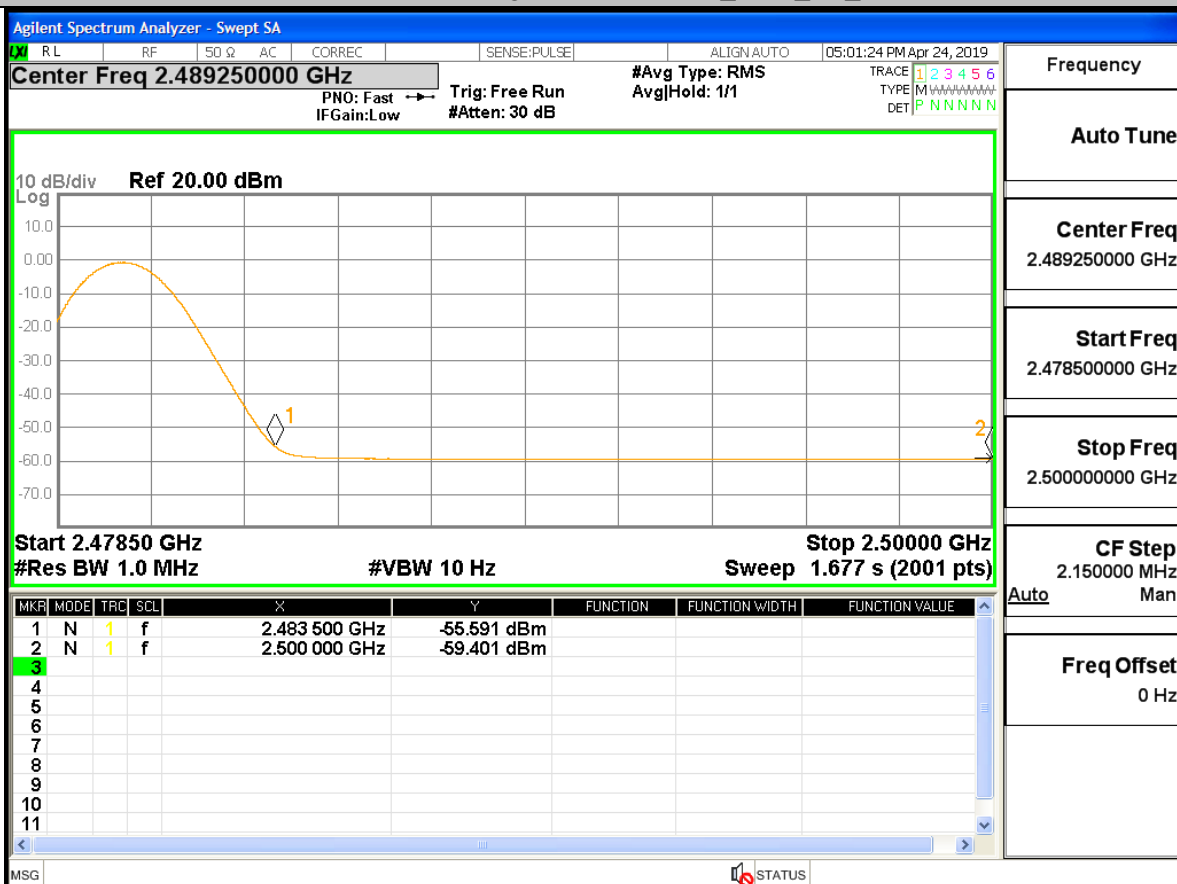
Restrict-band band-edge measurements_2402_AV_2DH5



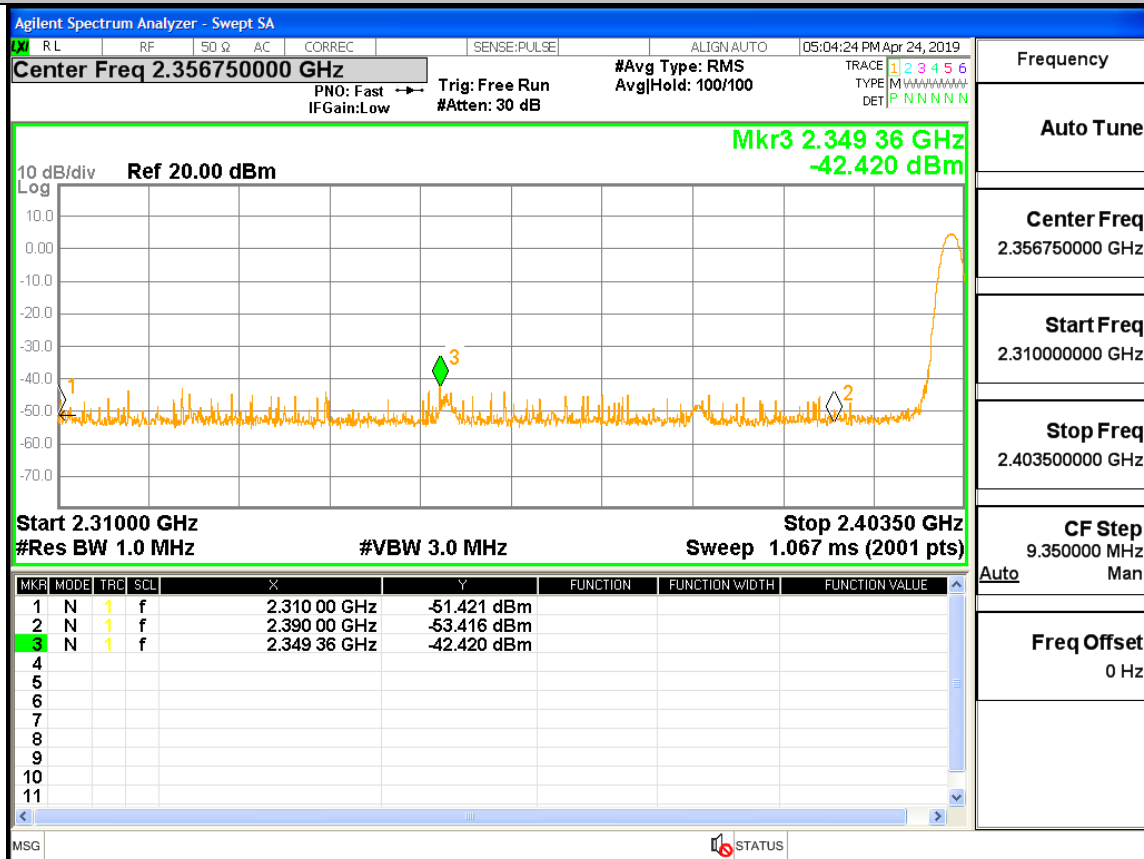
Restrict-band band-edge measurements_2480_PEAK_2DH5



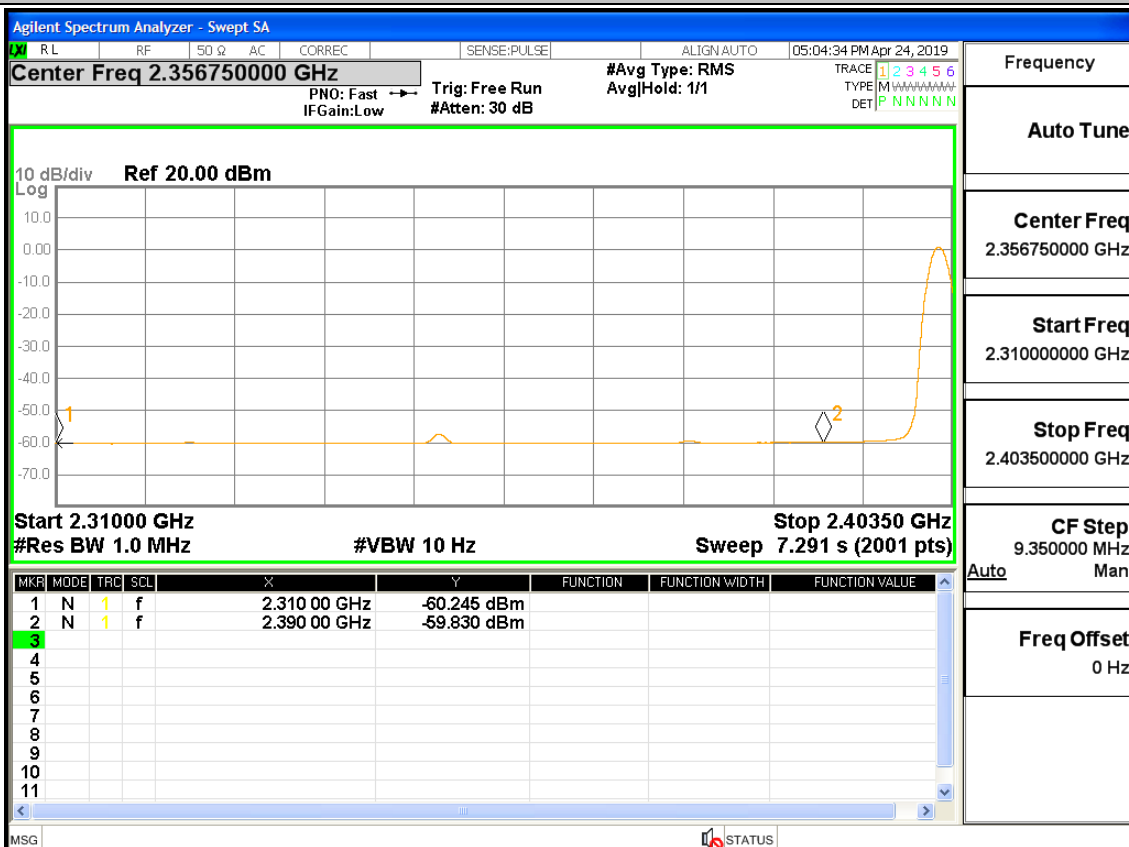
Restrict-band band-edge measurements_2480_AV_2DH5



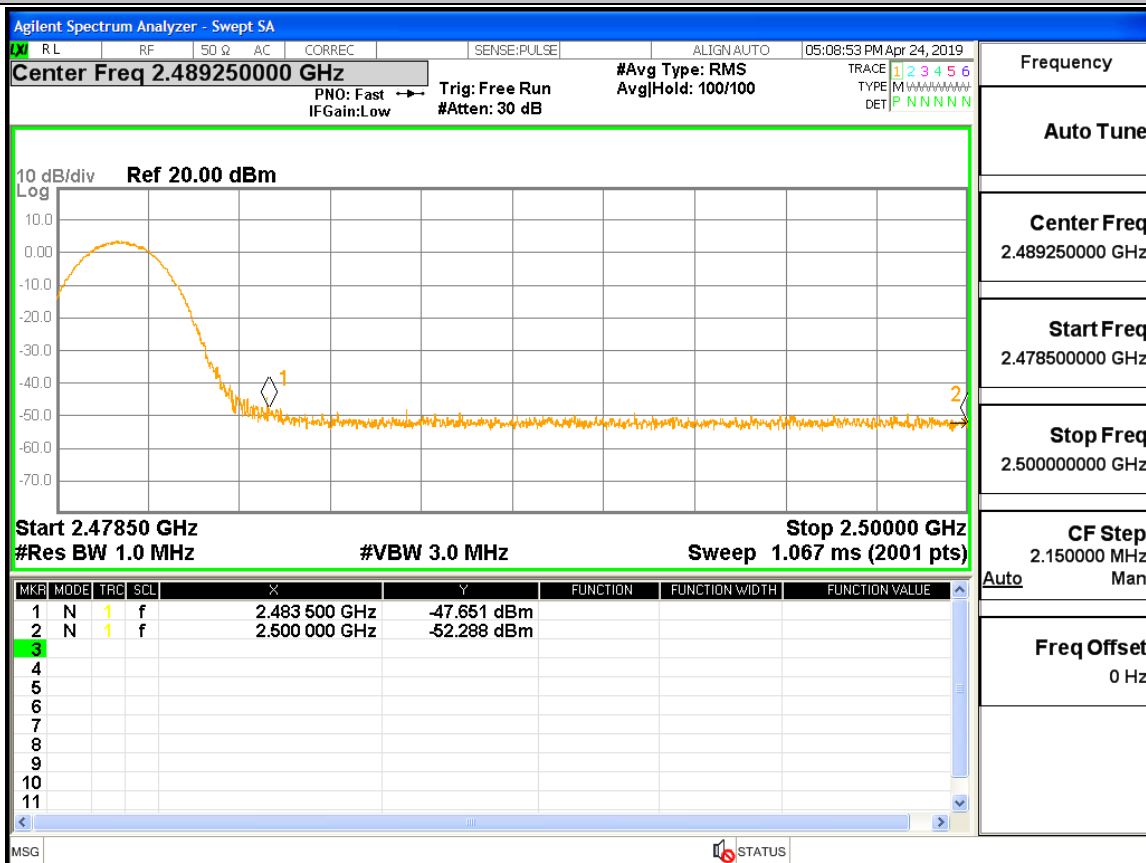
Restrict-band band-edge measurements_2402_PEAK_3DH5



Restrict-band band-edge measurements_2402_AV_3DH5



Restrict-band band-edge measurements_2480_PEAK_3DH5



Restrict-band band-edge measurements_2480_AV_3DH5

