

Appendix A RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Mobile Phone

Trade Mark: Krip

Test Model: K5b

FCC ID: 2APX7K5B

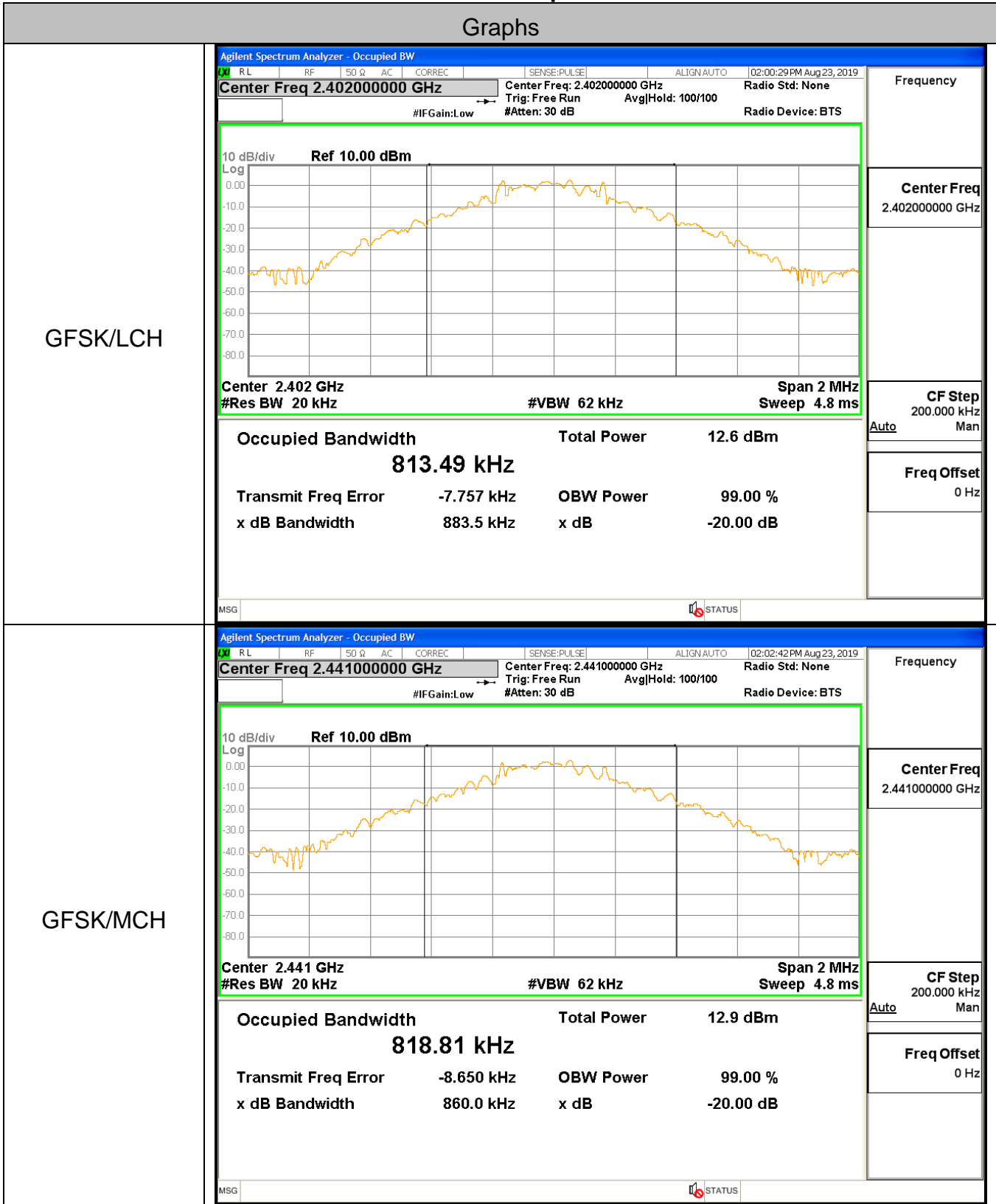
Environmental Conditions

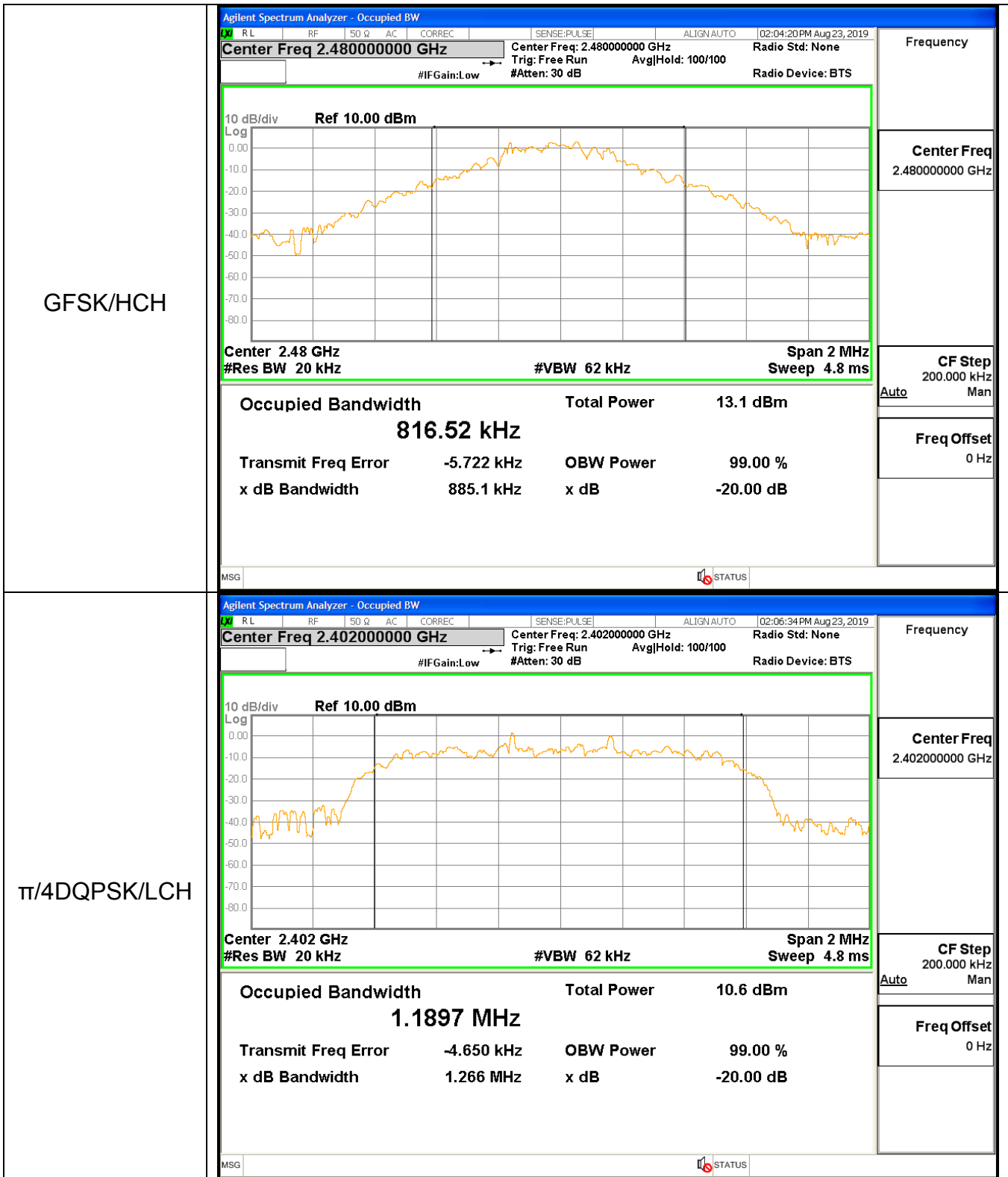
Temperature:	23.5° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Gary Qian
Supervised by:	Eden Hu

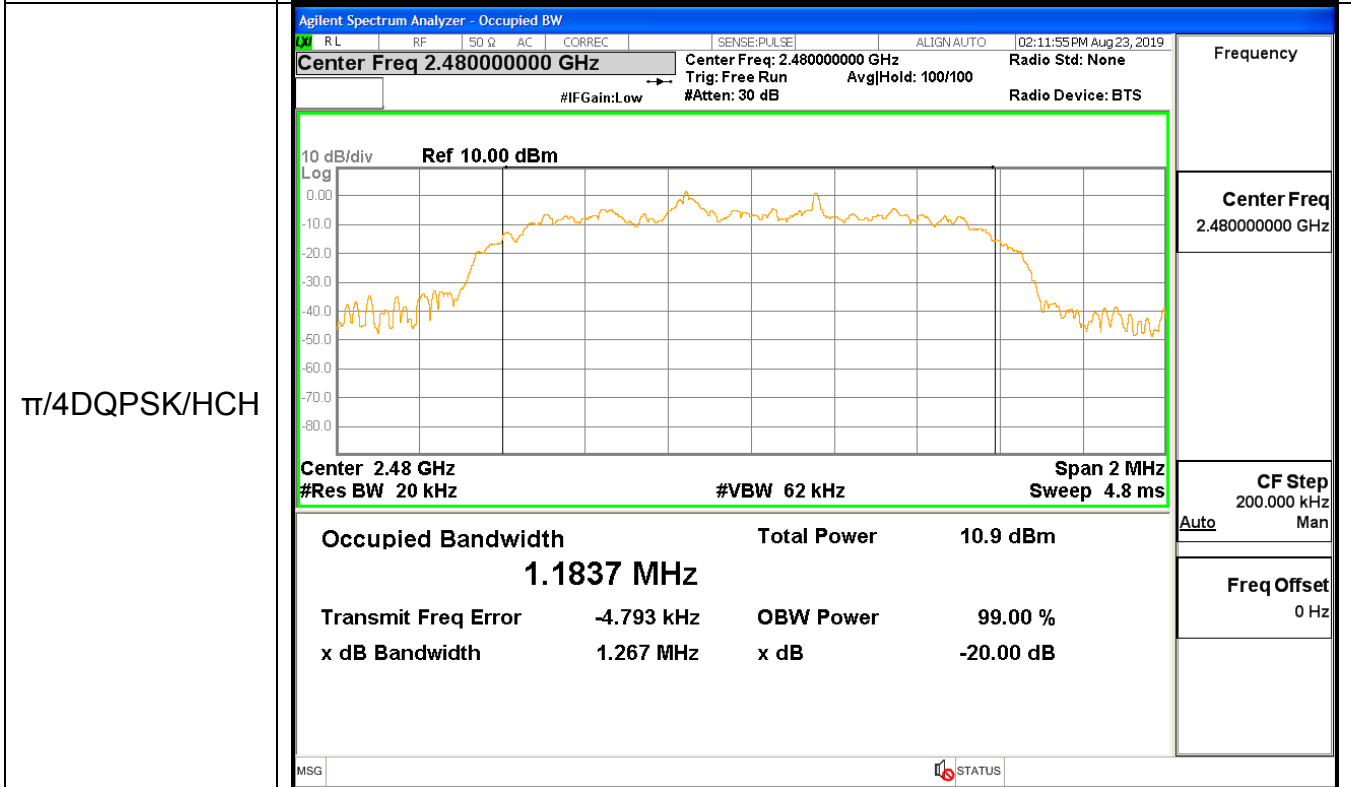
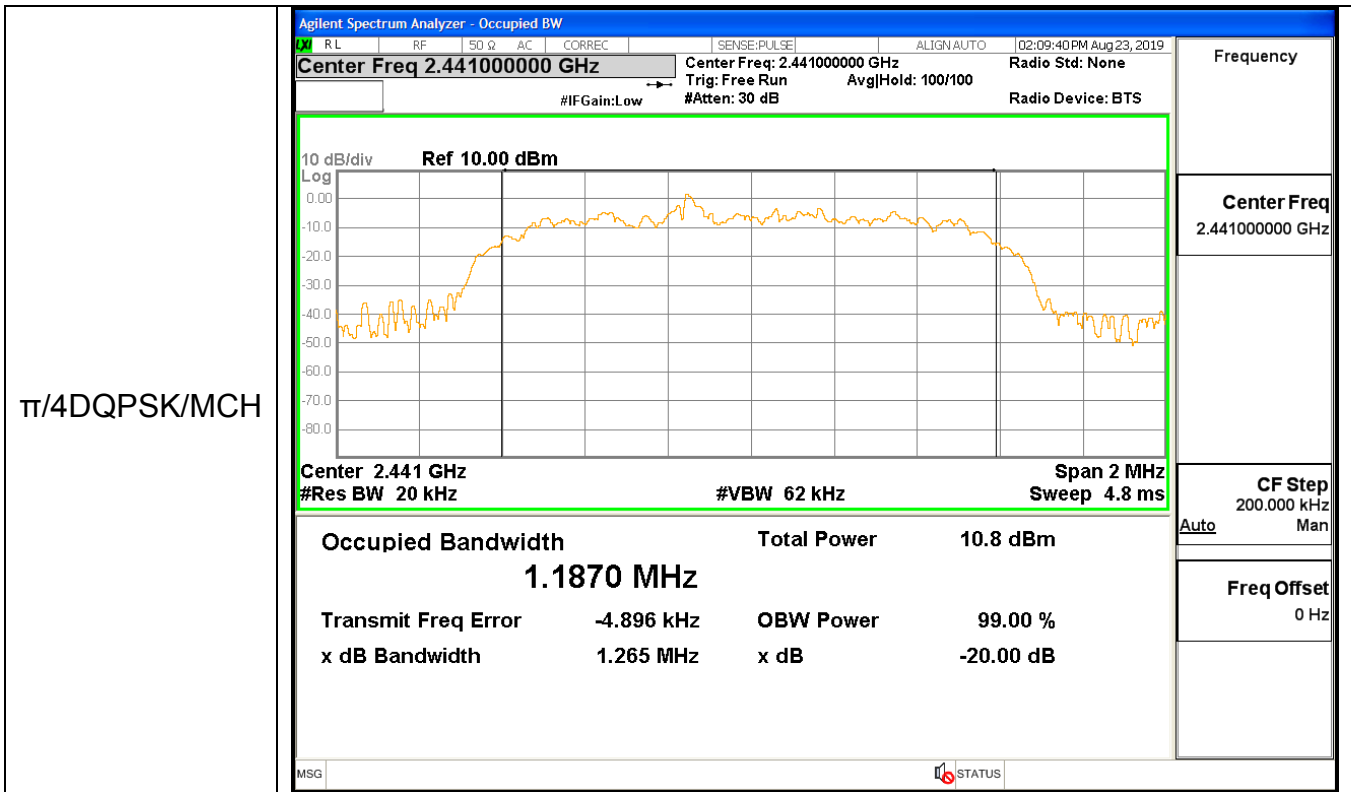
A.1 20 dB Bandwidth

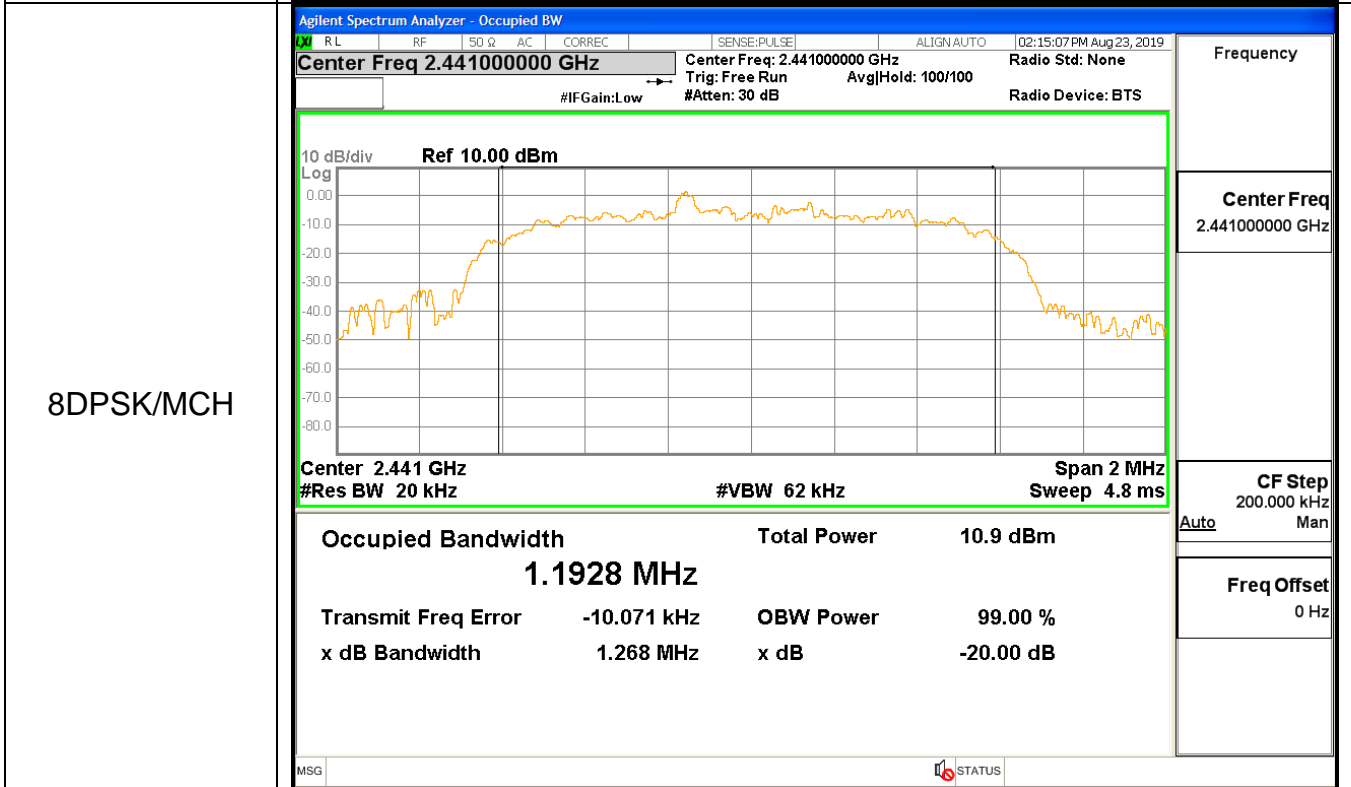
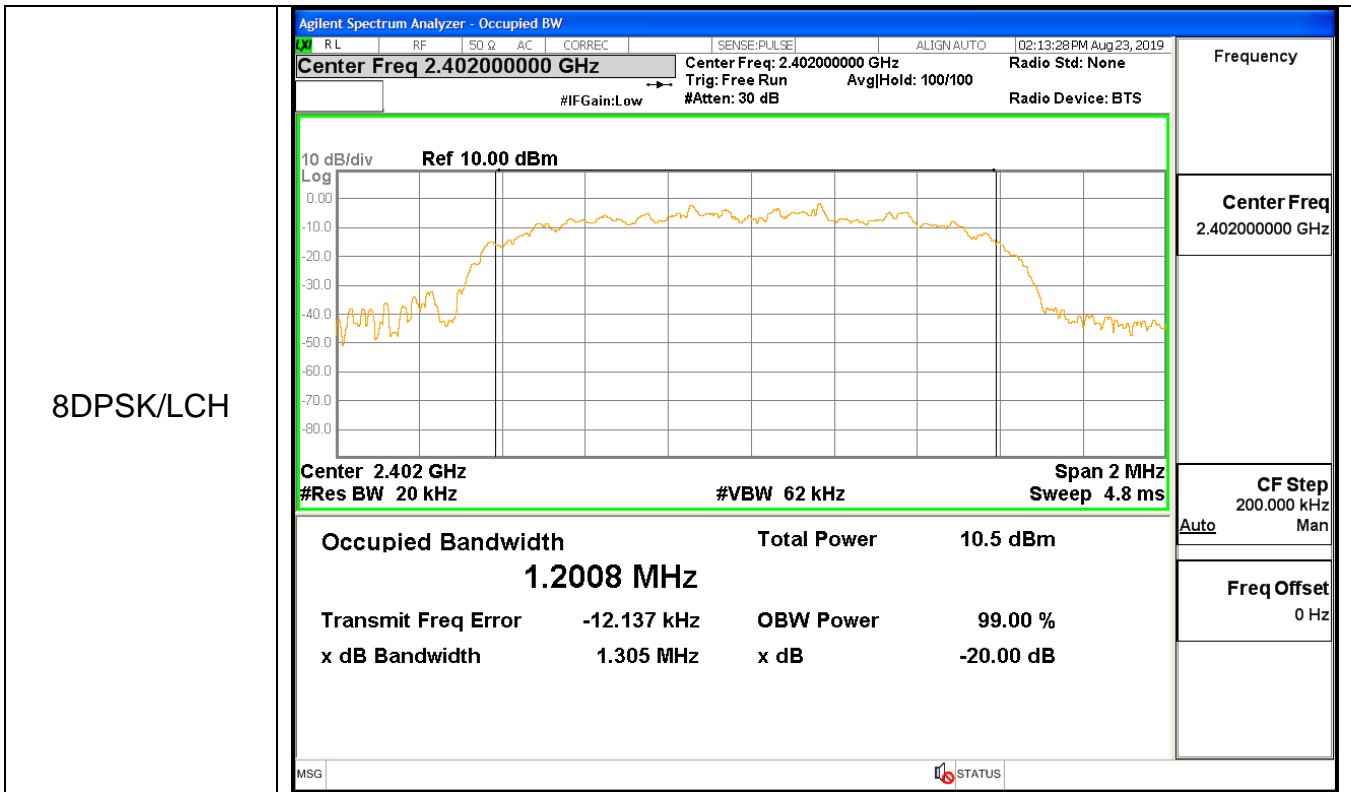
Mode	Channel.	20dB Bandwidth [MHz]	Limit(MHz)	Verdict
GFSK	LCH	0.884	Not Specified	PASS
GFSK	MCH	0.860	Not Specified	PASS
GFSK	HCH	0.885	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.266	Not Specified	PASS
$\pi/4$ DQPSK	MCH	1.265	Not Specified	PASS
$\pi/4$ DQPSK	HCH	1.267	Not Specified	PASS
8DPSK	LCH	1.305	Not Specified	PASS
8DPSK	MCH	1.268	Not Specified	PASS
8DPSK	HCH	1.263	Not Specified	PASS

Test Graph Graphs

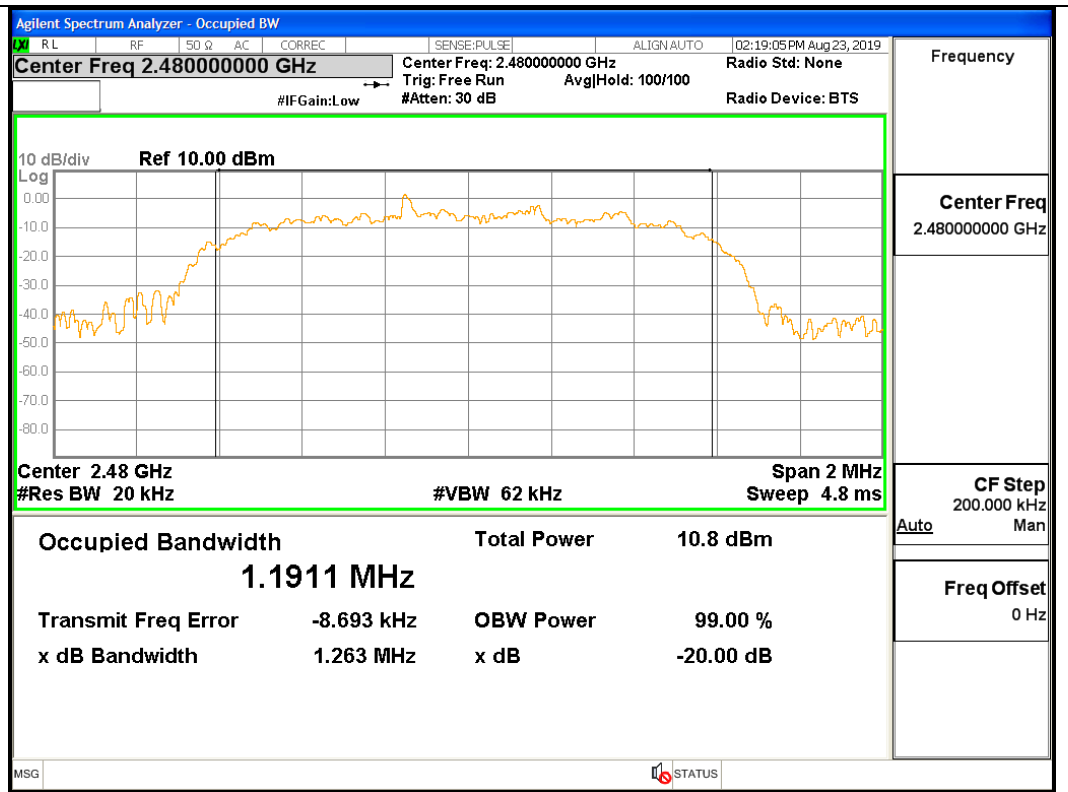








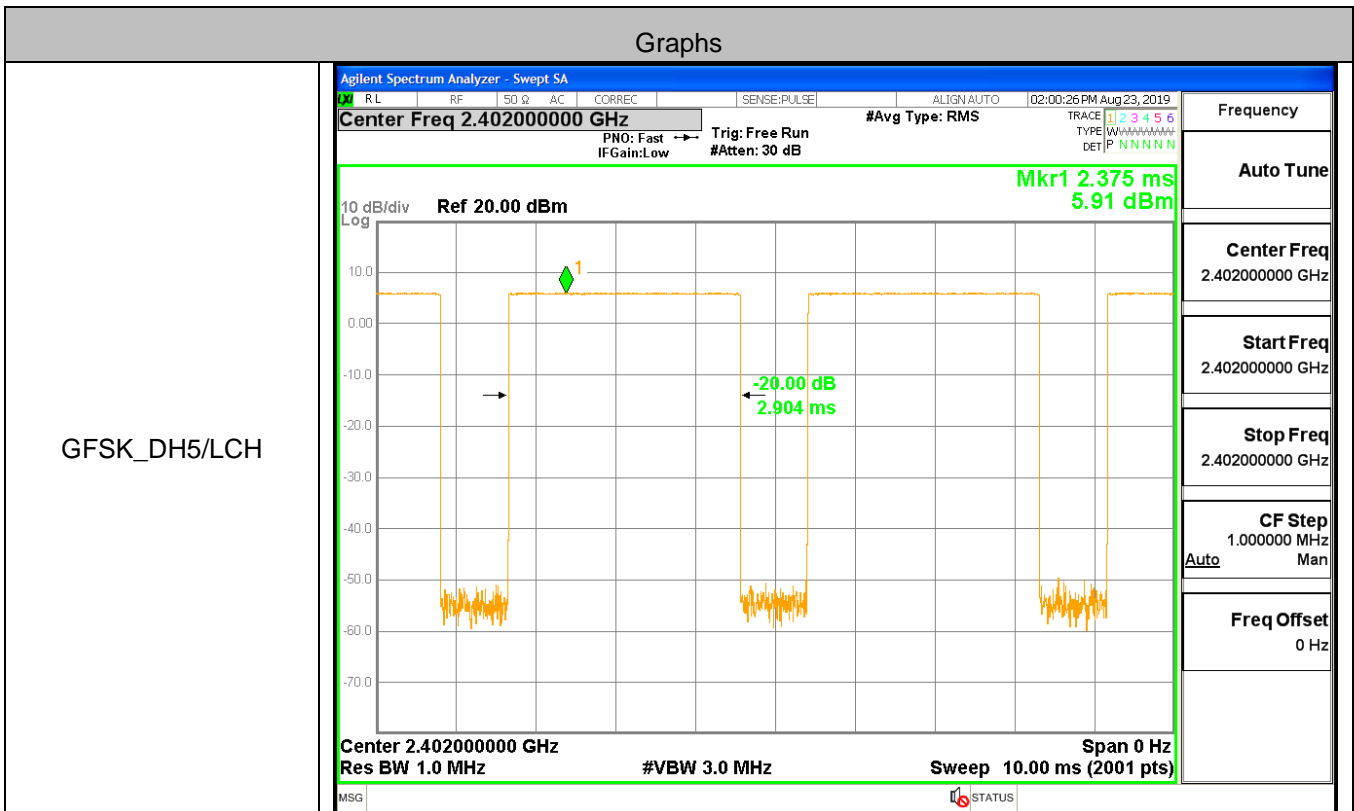
8DPSK/HCH

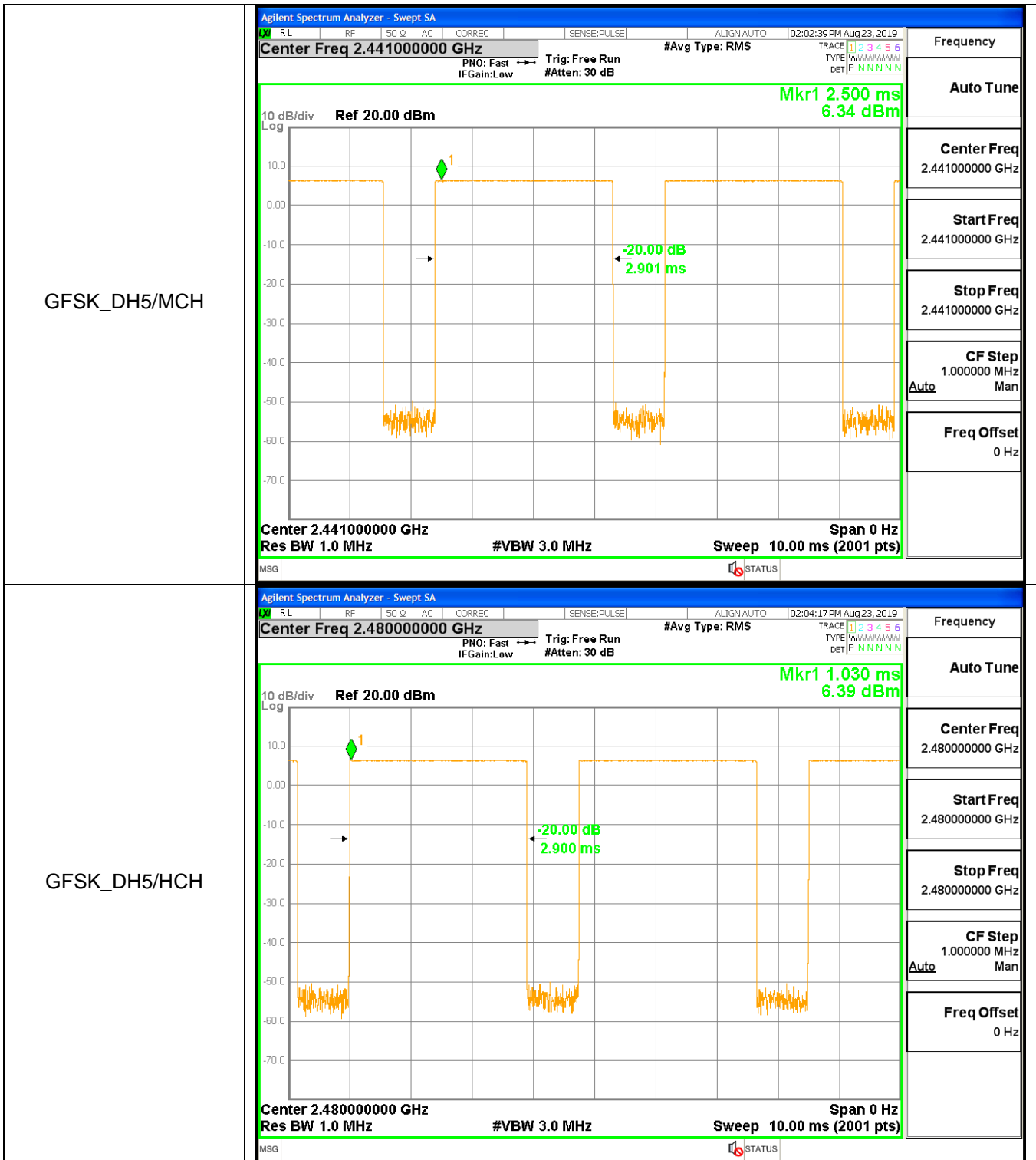


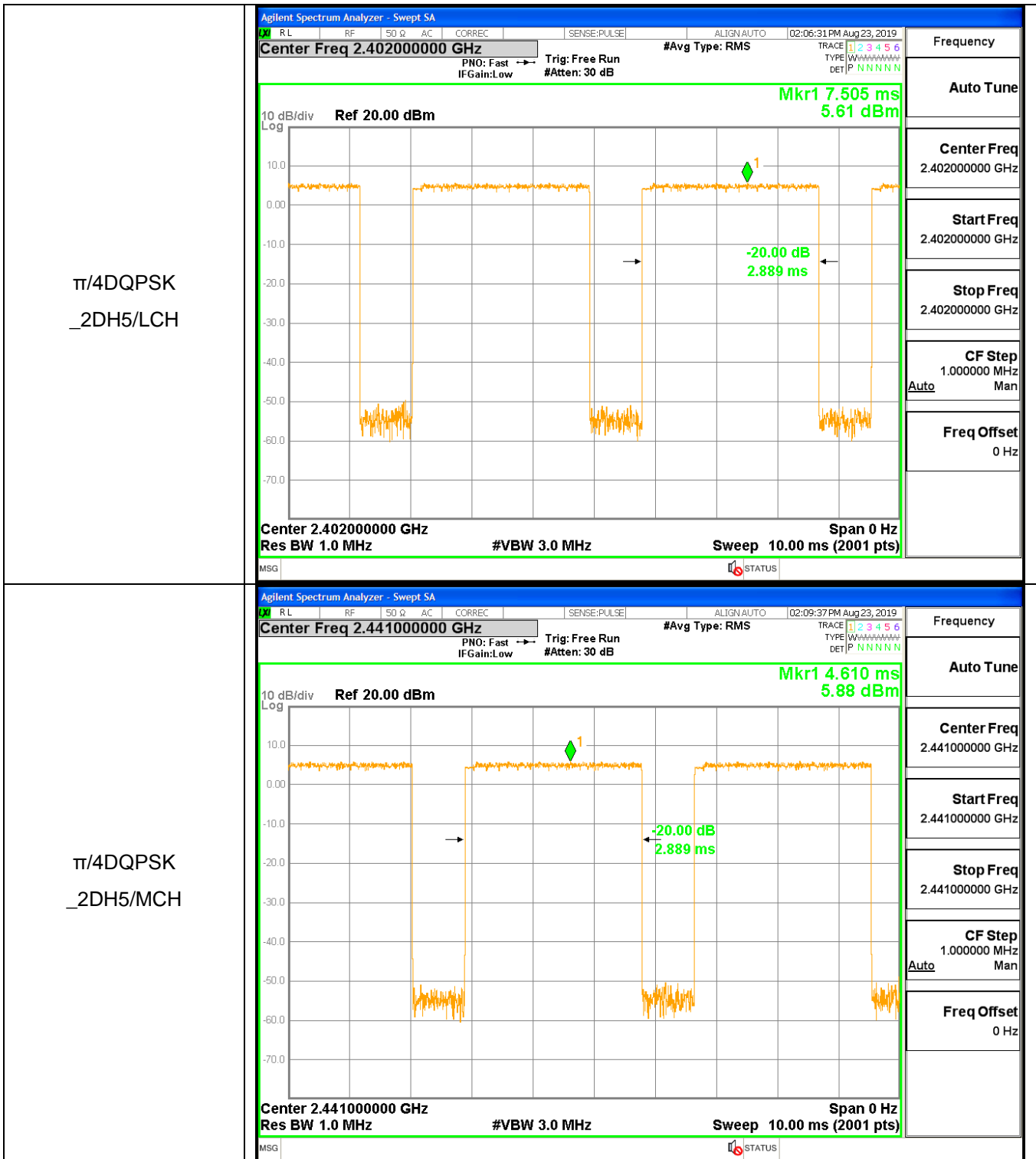
A.2 Dwell Time

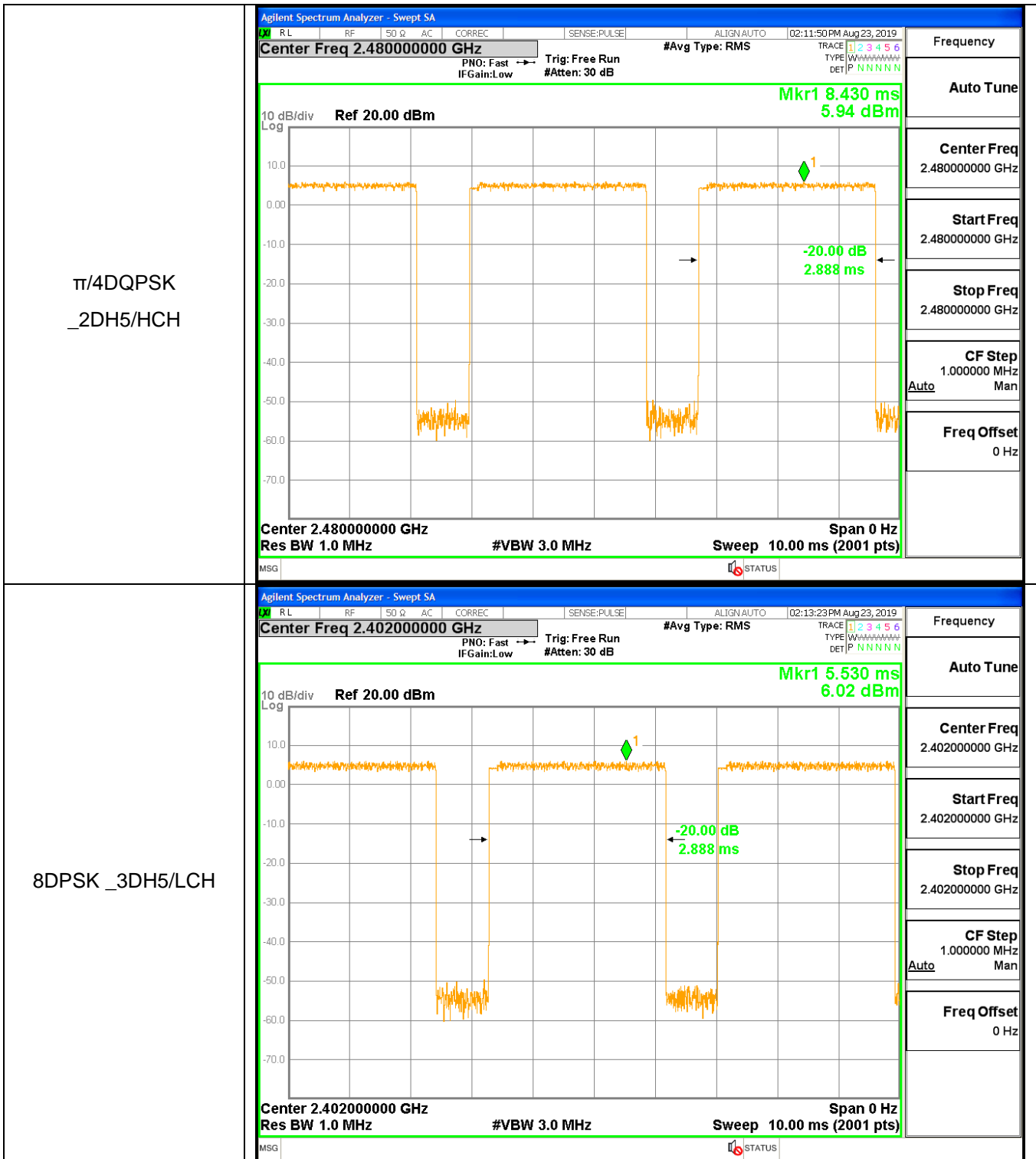
Mode	Packet	Channel	Burst Width [s/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	0.002904	106.7	0.309808	0.4	PASS
GFSK	DH5	MCH	0.002901	106.7	0.309516	0.4	PASS
GFSK	DH5	HCH	0.0029	106.7	0.309436	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	0.002889	106.7	0.308213	0.4	PASS
$\pi/4$ DQPSK	2DH5	MCH	0.002889	106.7	0.30822	0.4	PASS
$\pi/4$ DQPSK	2DH5	HCH	0.002888	106.7	0.3082	0.4	PASS
8DPSK	3DH5	LCH	0.002888	106.7	0.308201	0.4	PASS
8DPSK	3DH5	MCH	0.002888	106.7	0.308191	0.4	PASS
8DPSK	3DH5	HCH	0.002884	106.7	0.307739	0.4	PASS

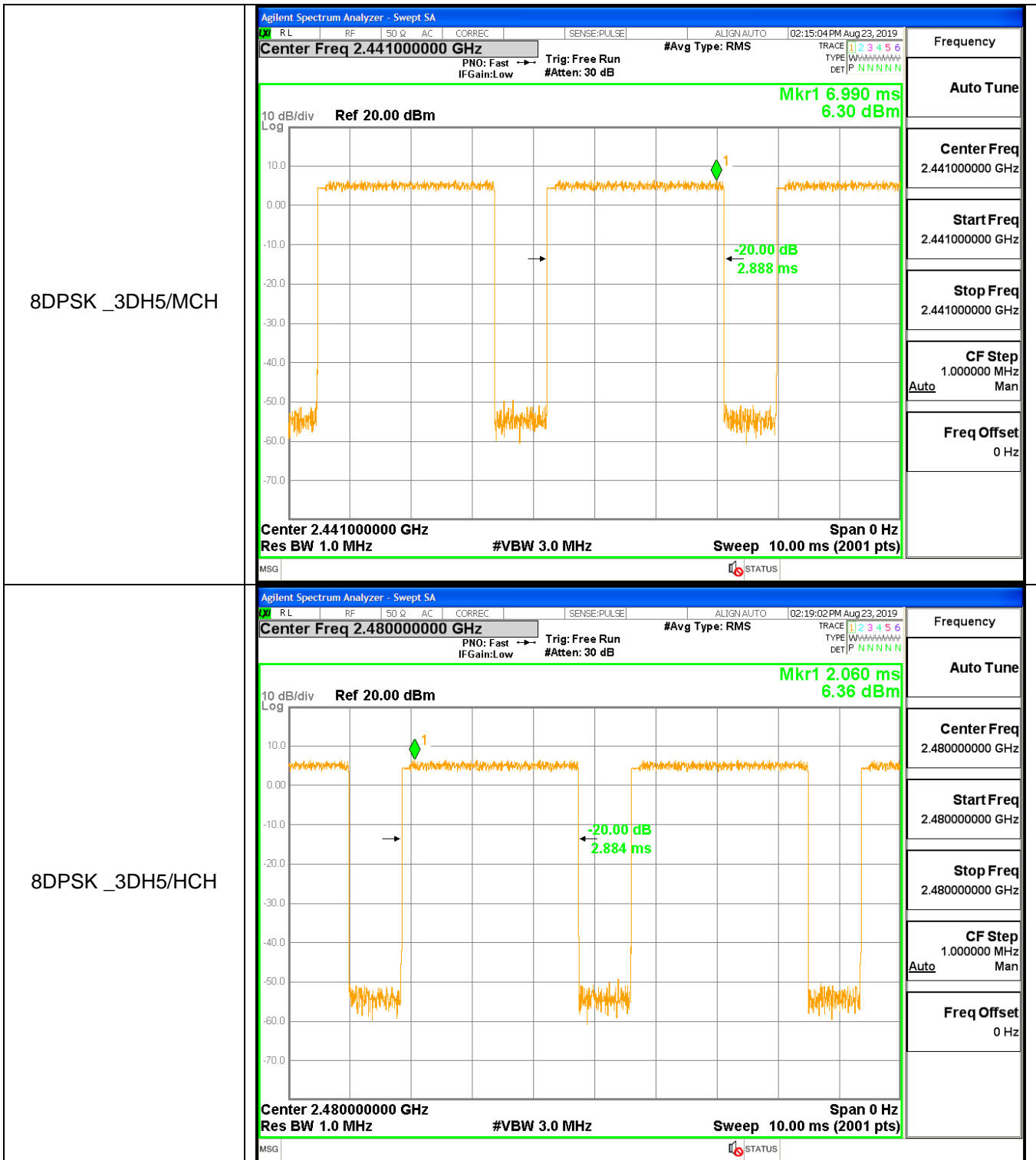
Test Graph







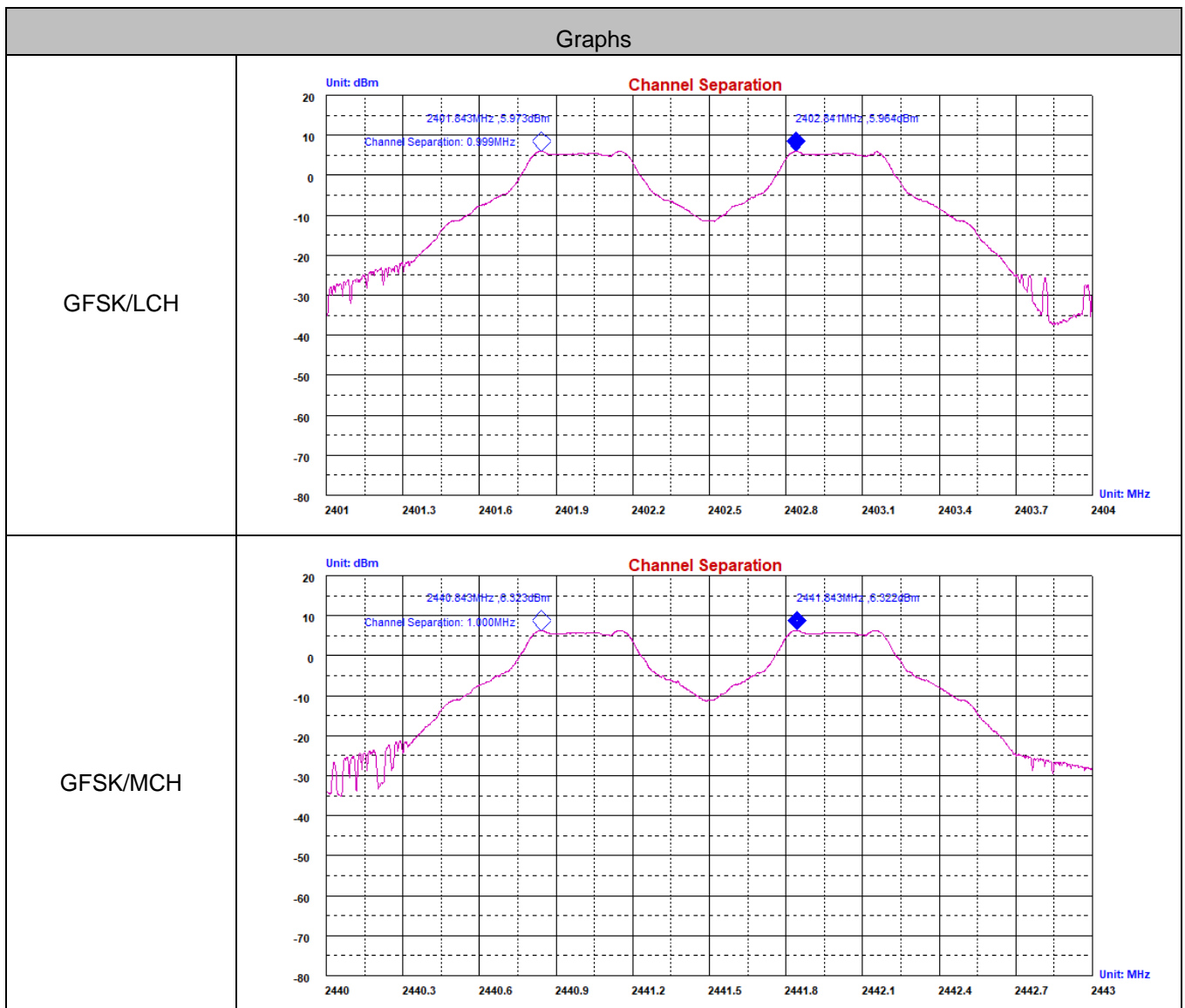


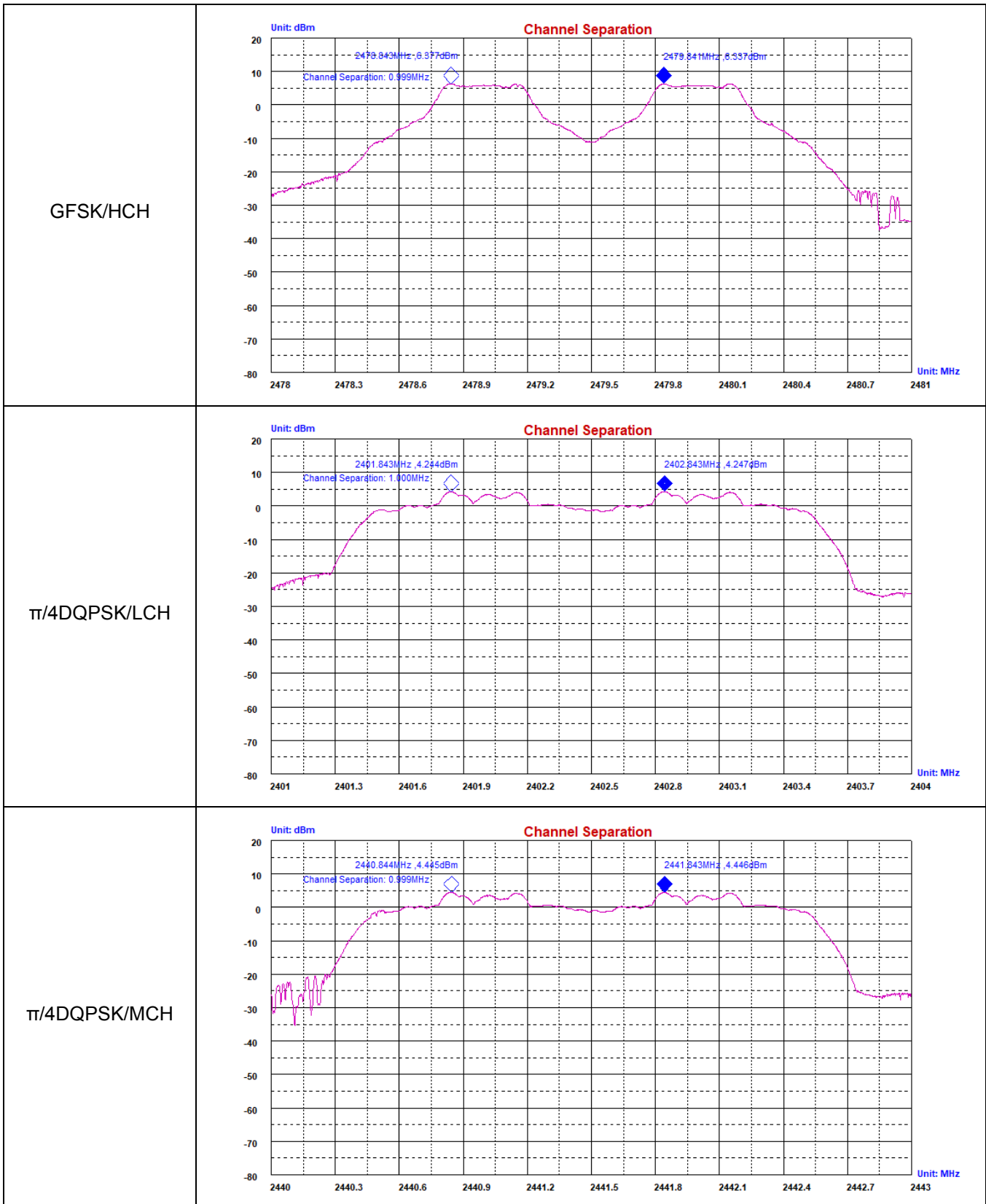


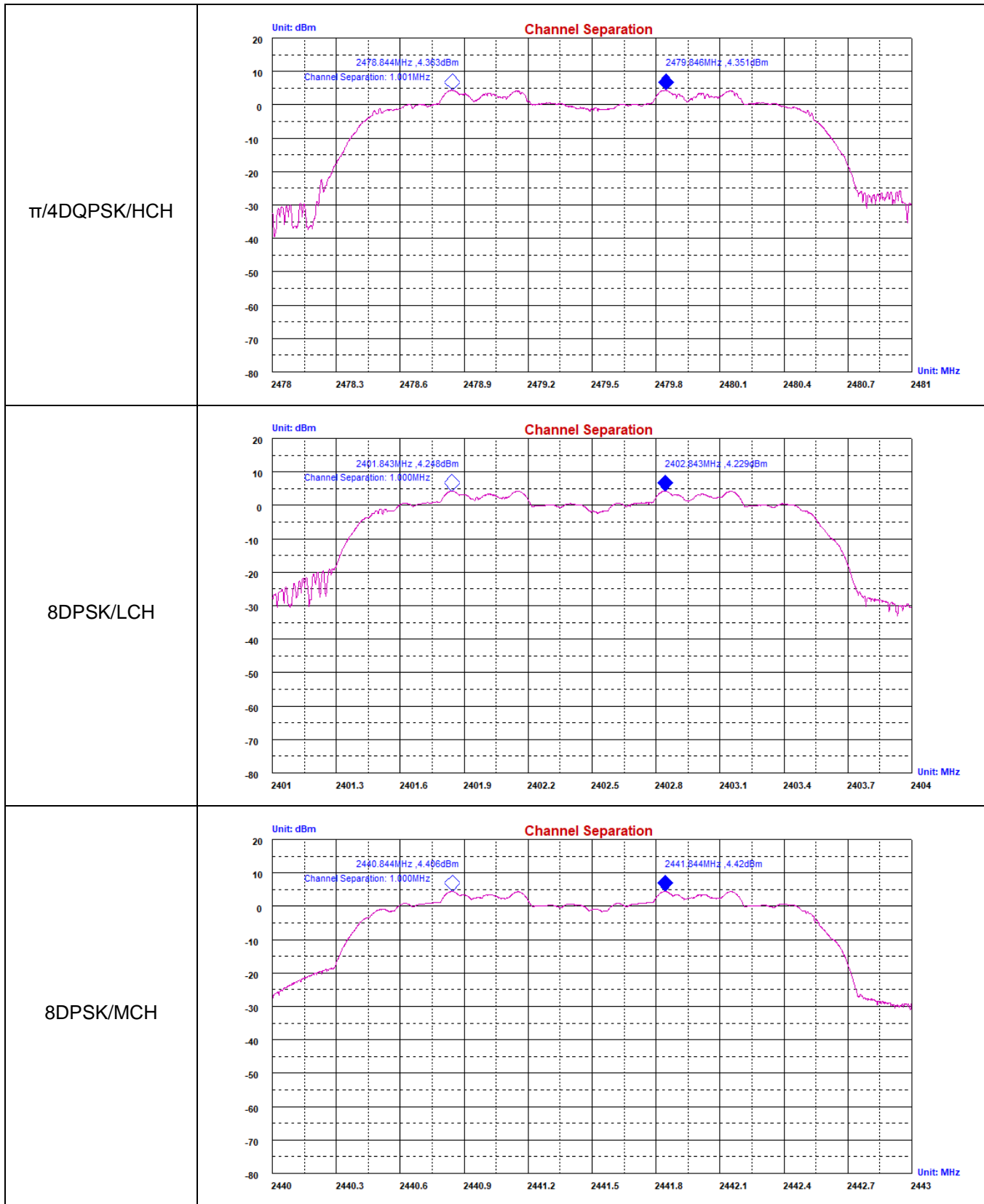
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.999	0.589	PASS
GFSK	MCH	1.000	0.573	PASS
GFSK	HCH	0.999	0.590	PASS
$\pi/4$ DQPSK	LCH	1.000	0.844	PASS
$\pi/4$ DQPSK	MCH	0.999	0.843	PASS
$\pi/4$ DQPSK	HCH	1.001	0.845	PASS
8DPSK	LCH	1.000	0.870	PASS
8DPSK	MCH	1.000	0.845	PASS
8DPSK	HCH	0.997	0.842	PASS

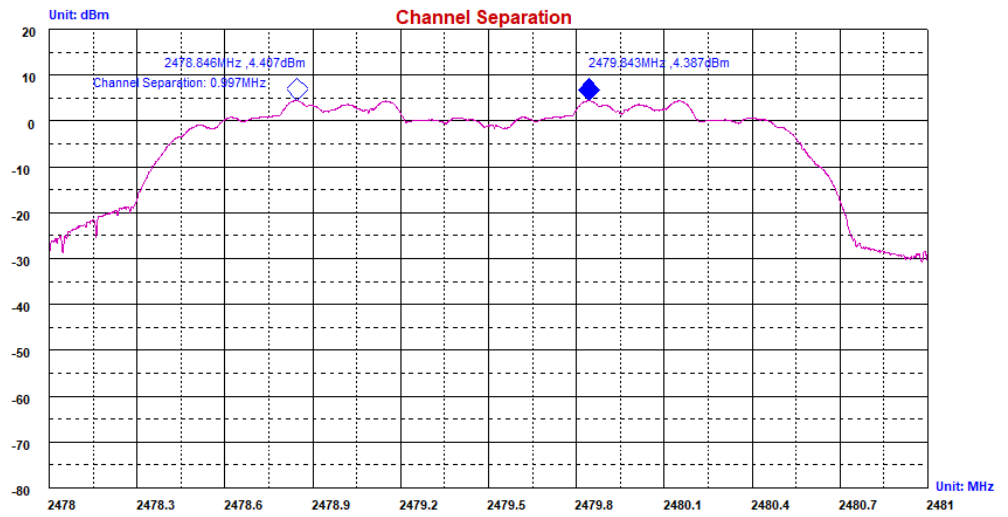
Test Graph







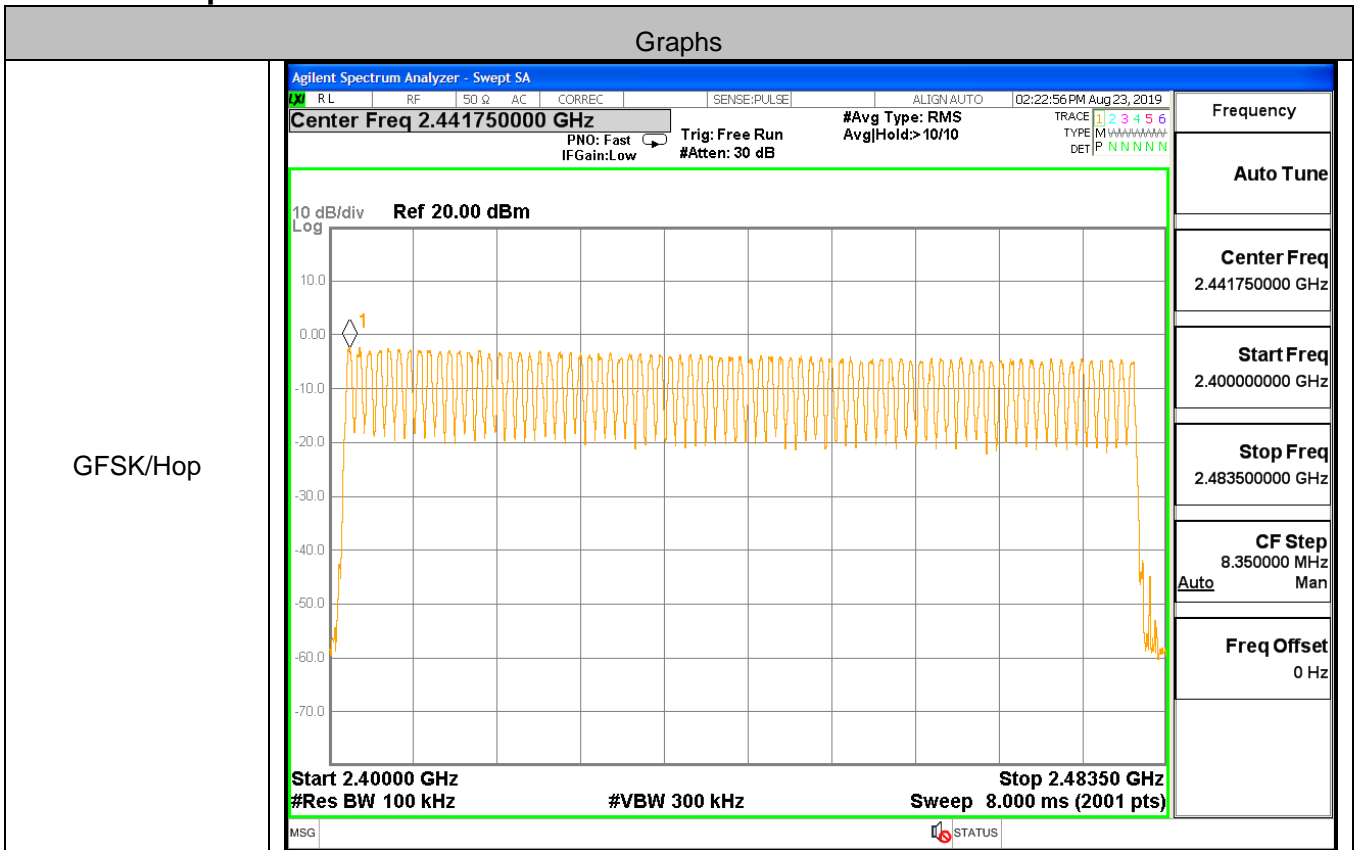
8DPSK/HCH



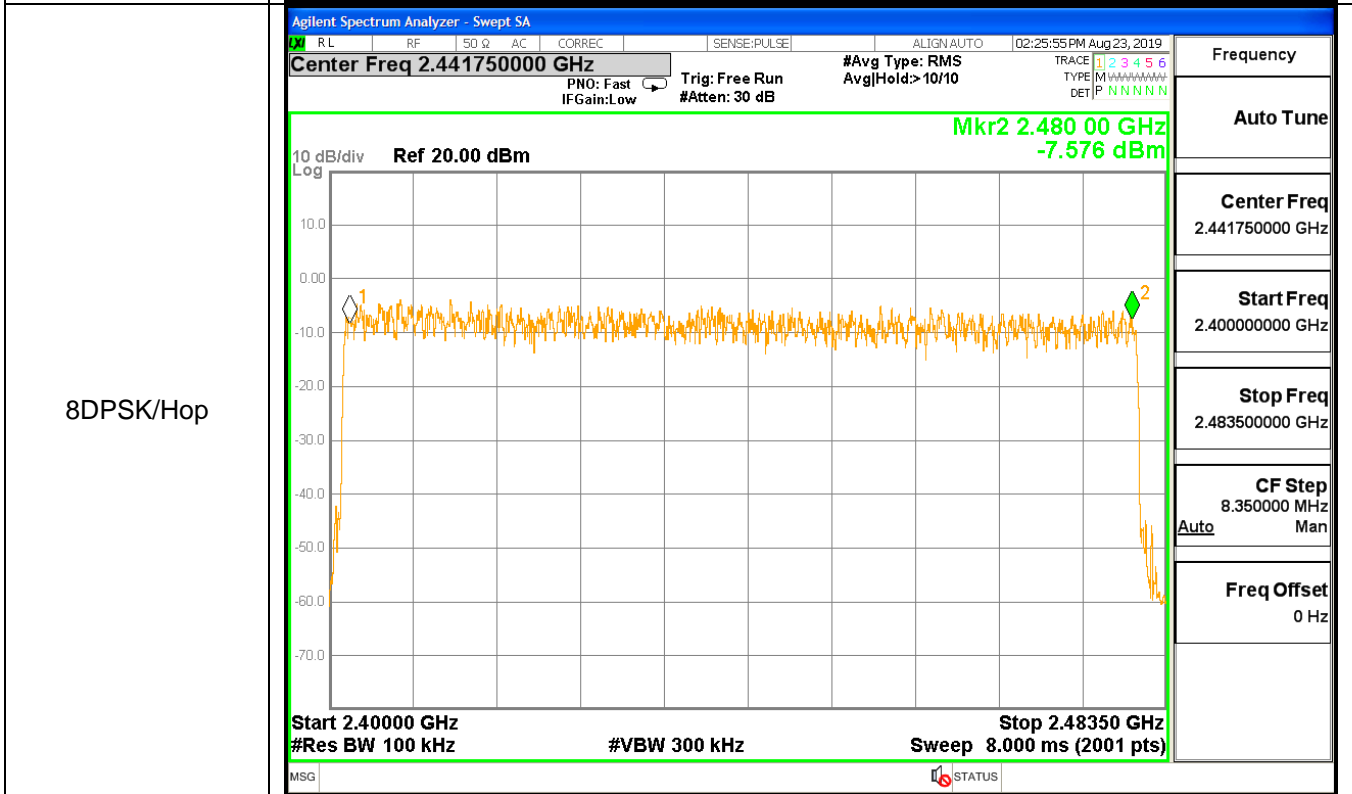
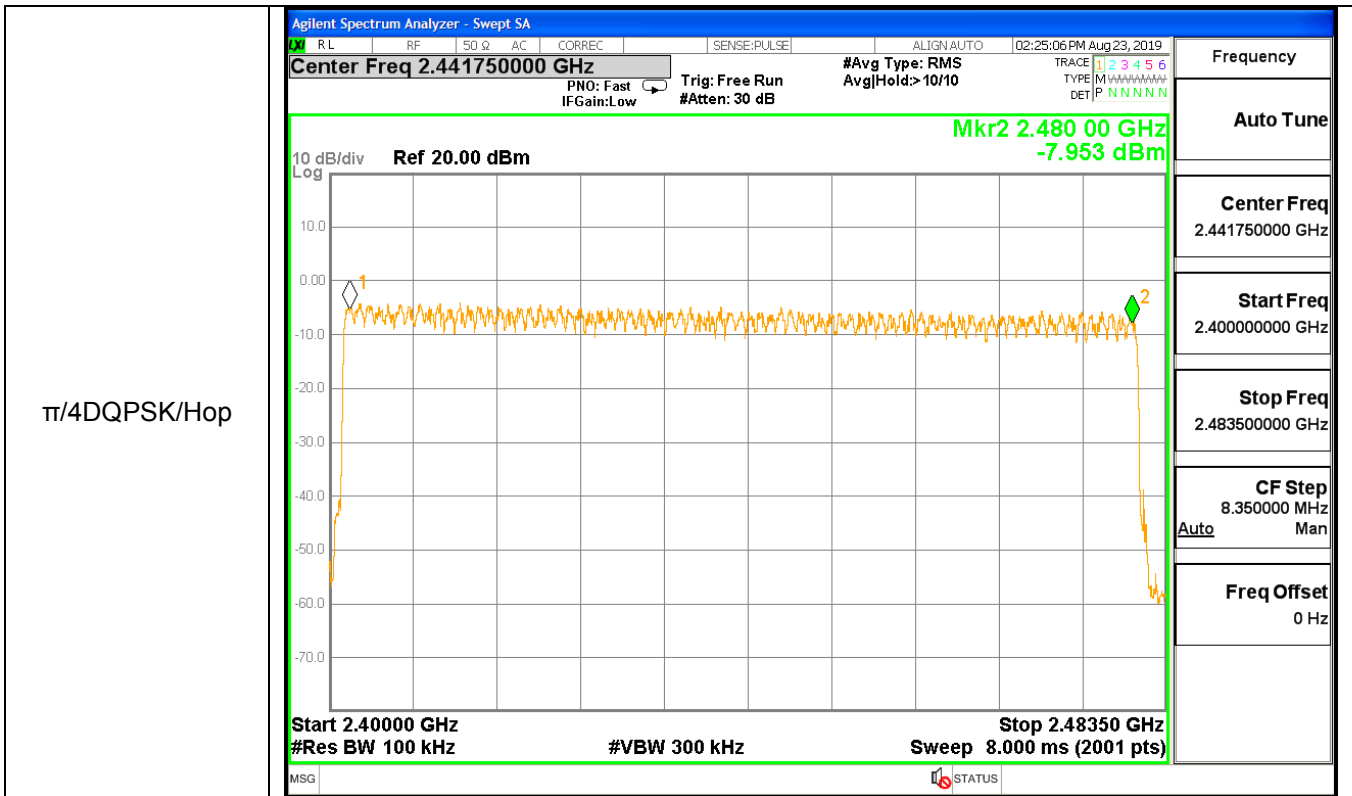
A.4 Hopping Channel Number

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



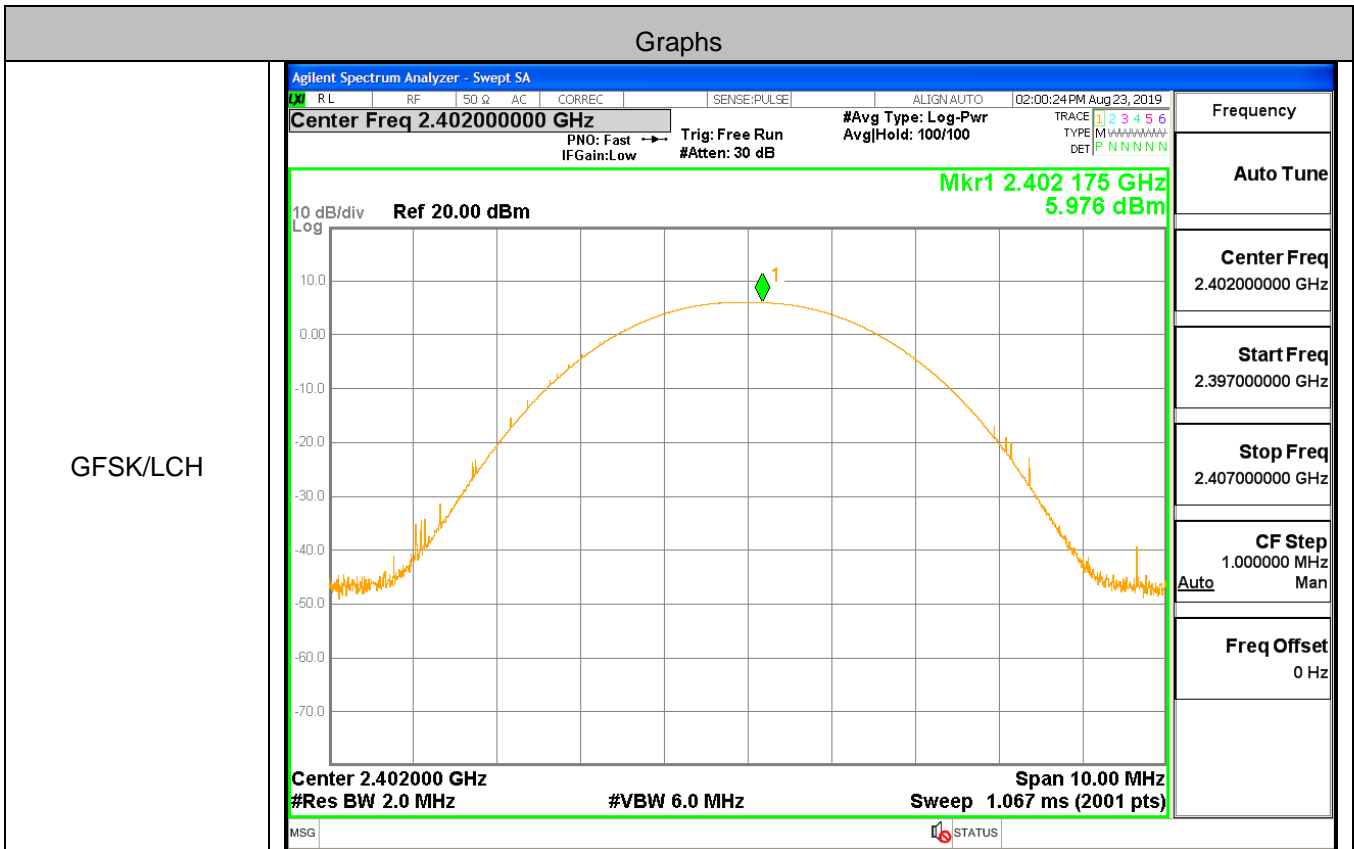
GFSK/Hop

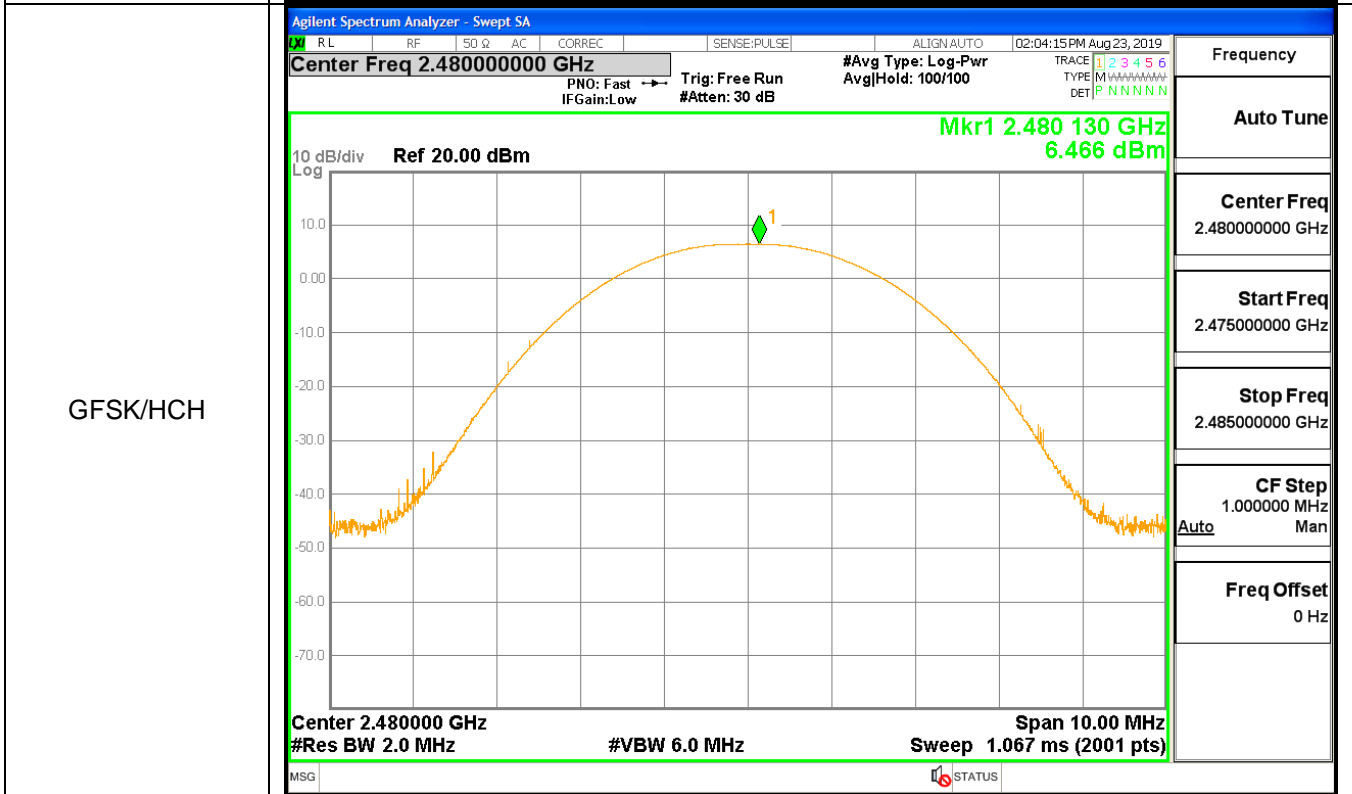
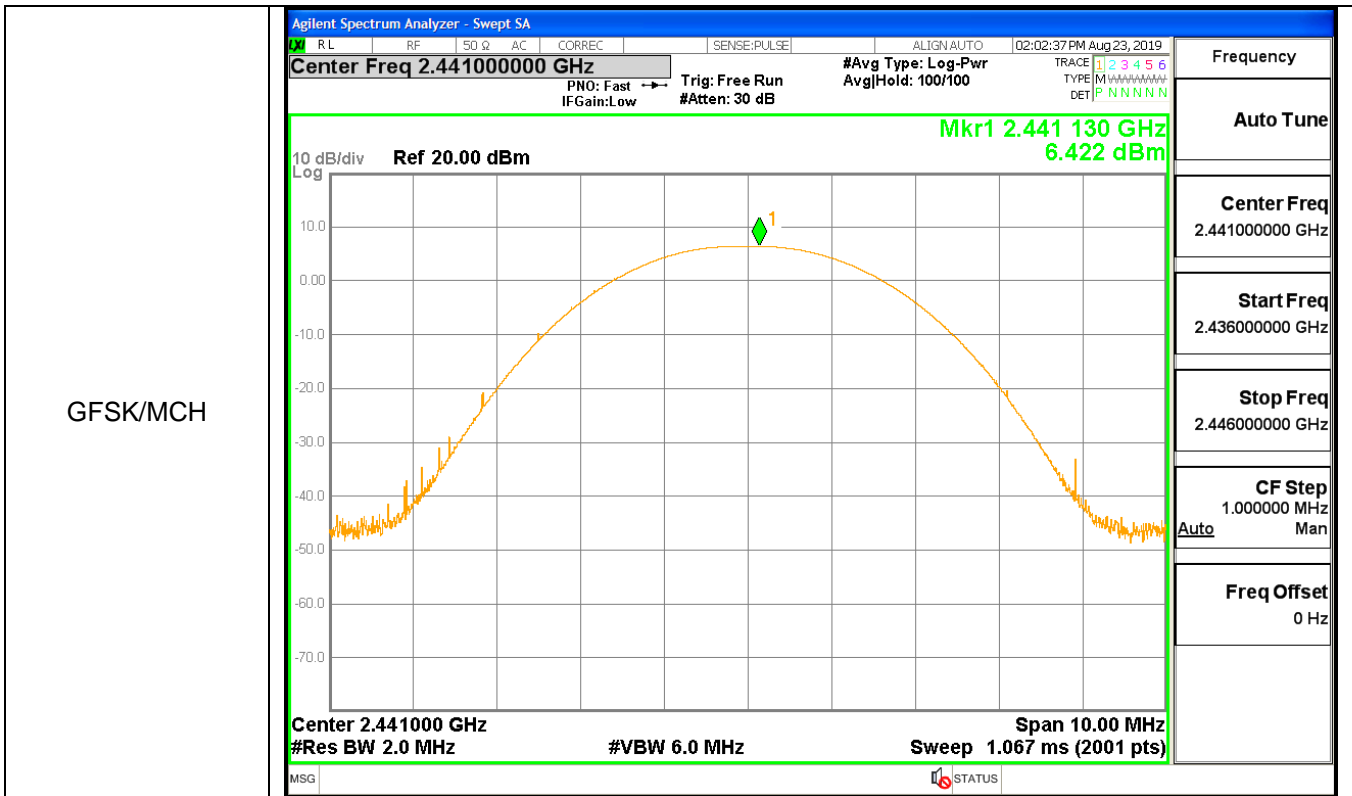


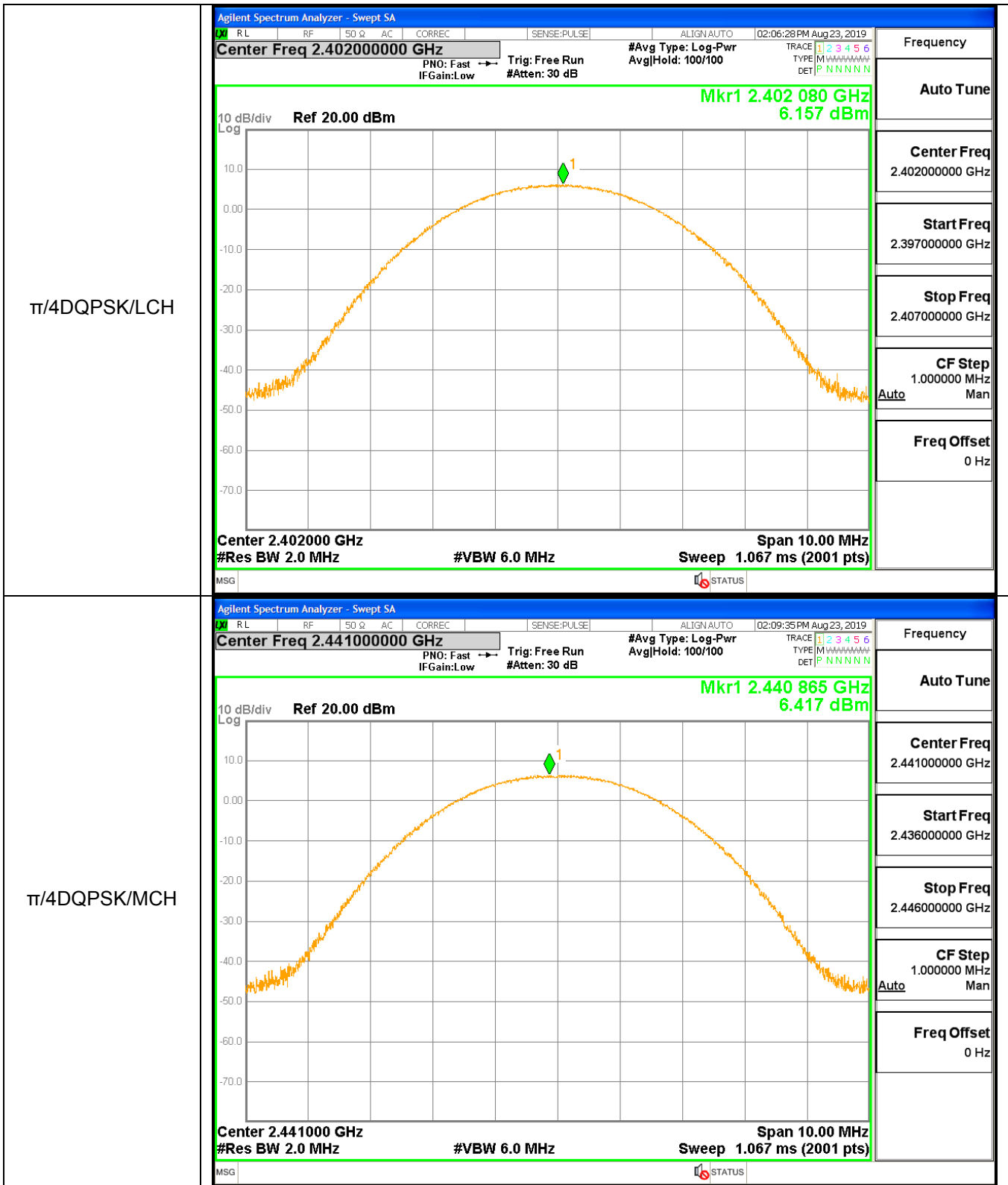
A.5 Conducted Peak Output Power

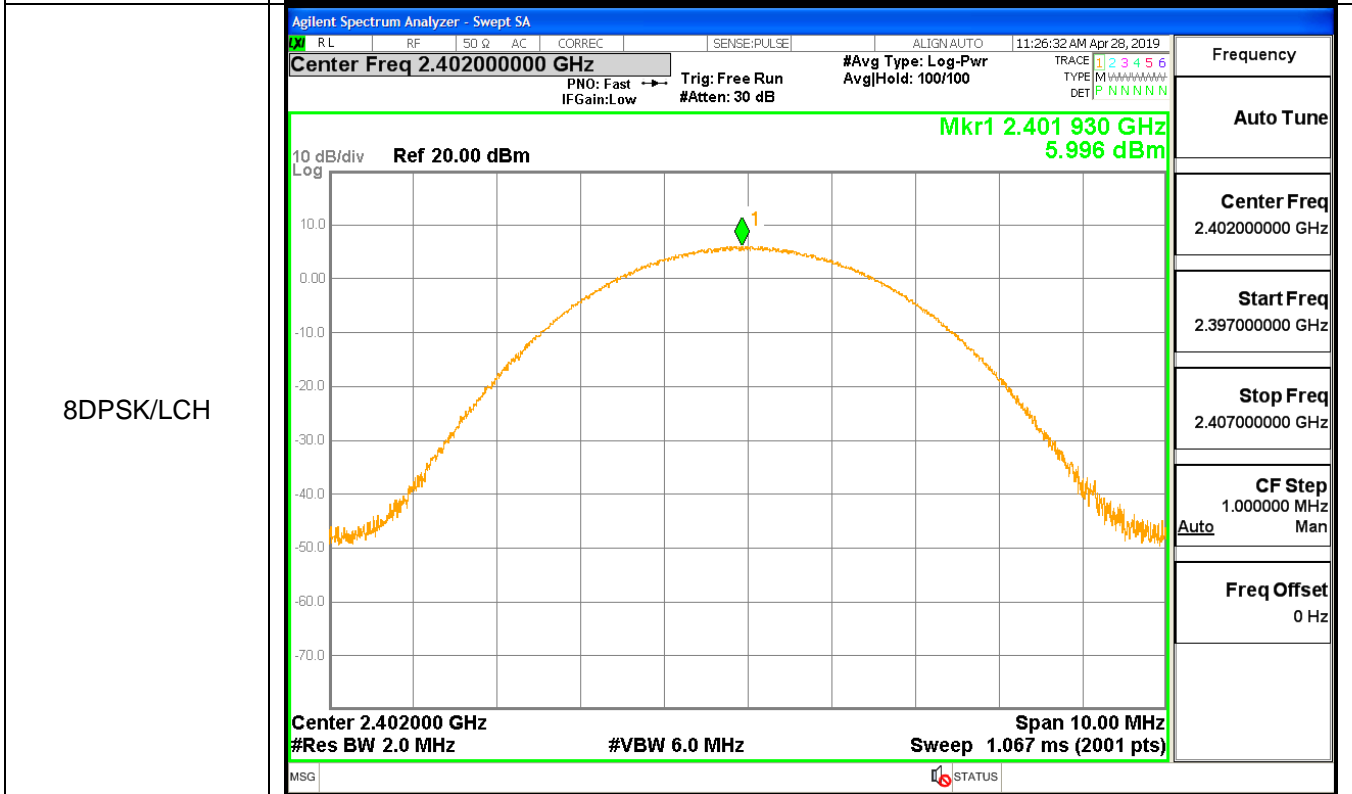
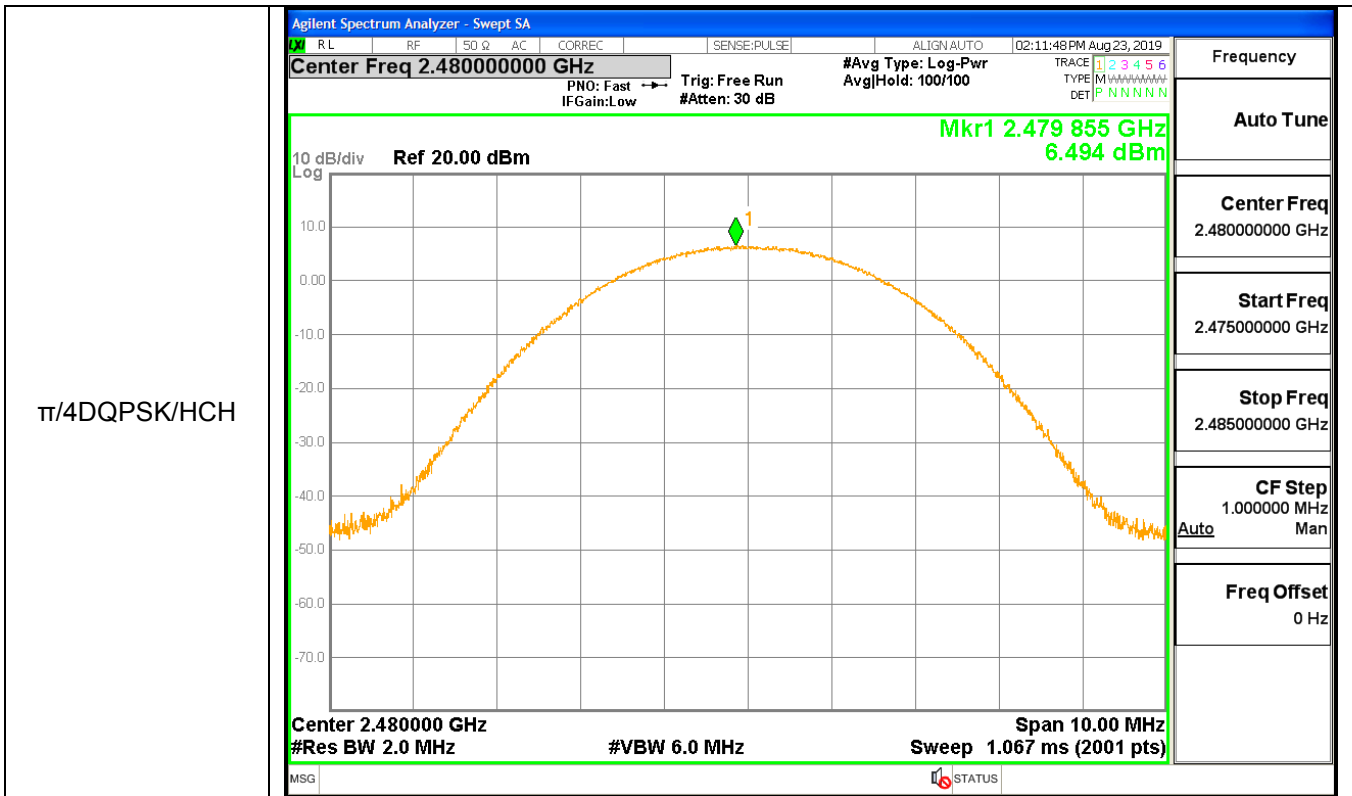
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	5.976	21	PASS
GFSK	MCH	6.422	21	PASS
GFSK	HCH	6.466	21	PASS
$\pi/4$ DQPSK	LCH	6.157	21	PASS
$\pi/4$ DQPSK	MCH	6.417	21	PASS
$\pi/4$ DQPSK	HCH	6.494	21	PASS
8DPSK	LCH	6.469	21	PASS
8DPSK	MCH	6.774	21	PASS
8DPSK	HCH	6.865	21	PASS

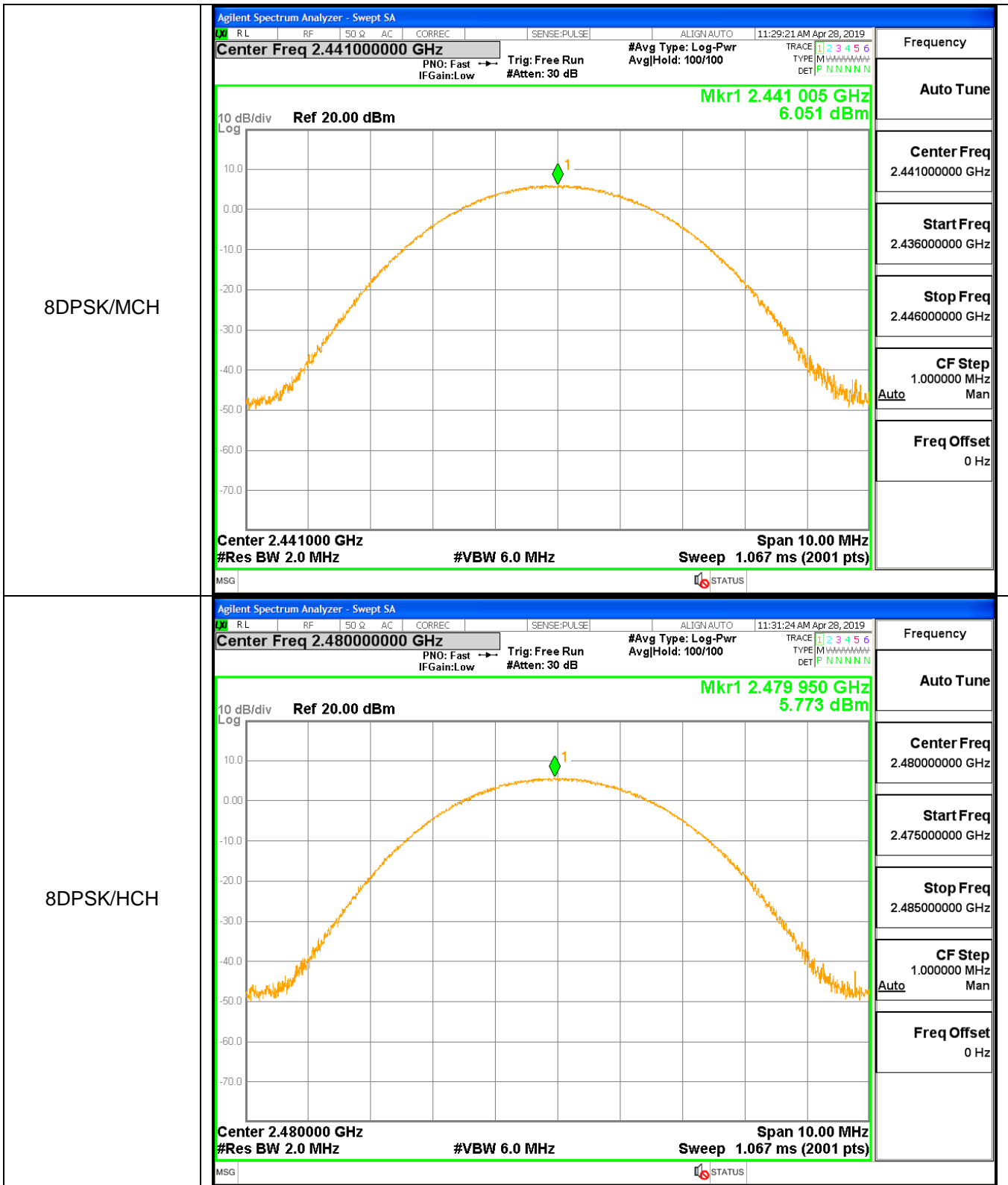
Test Graph









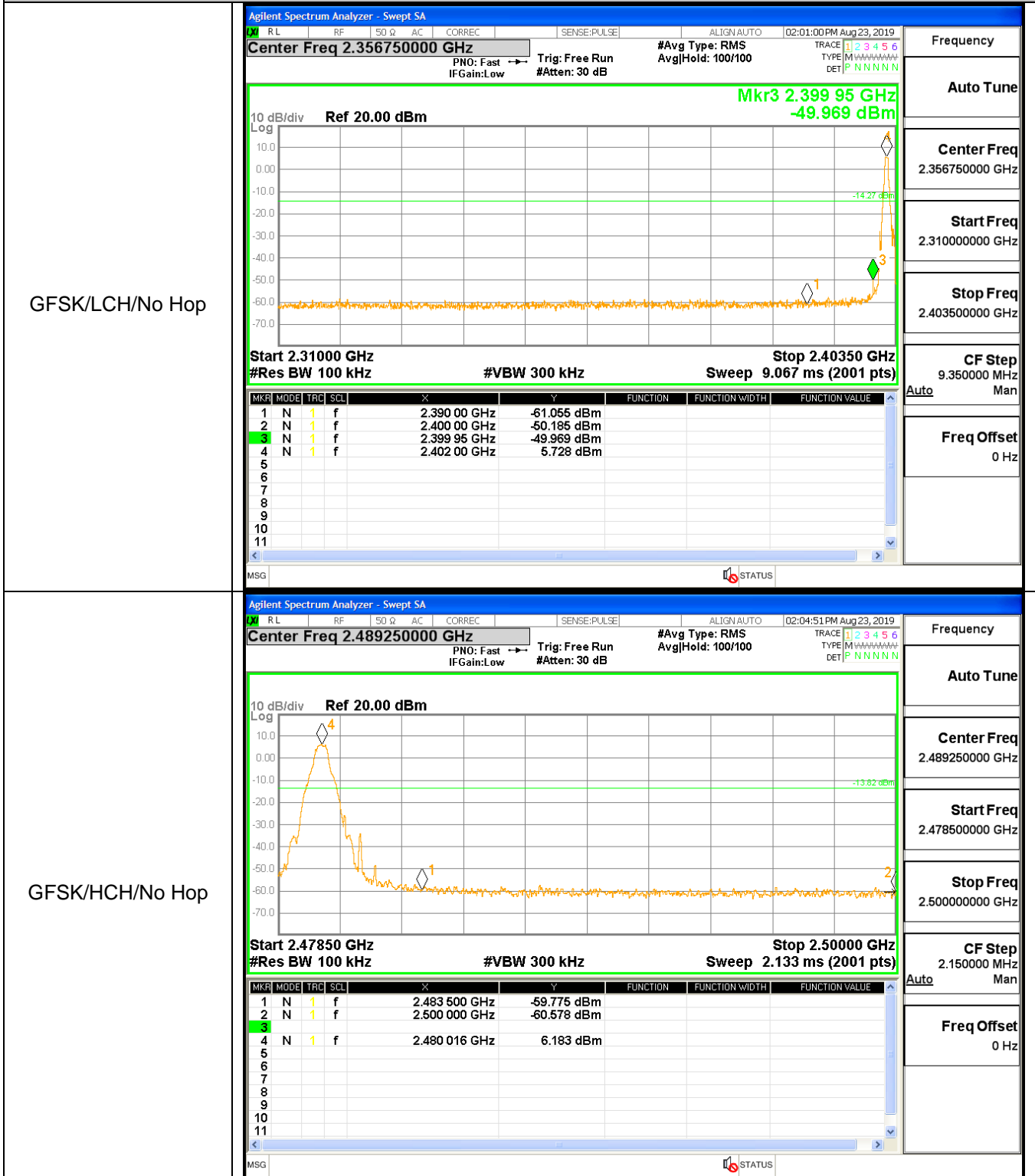


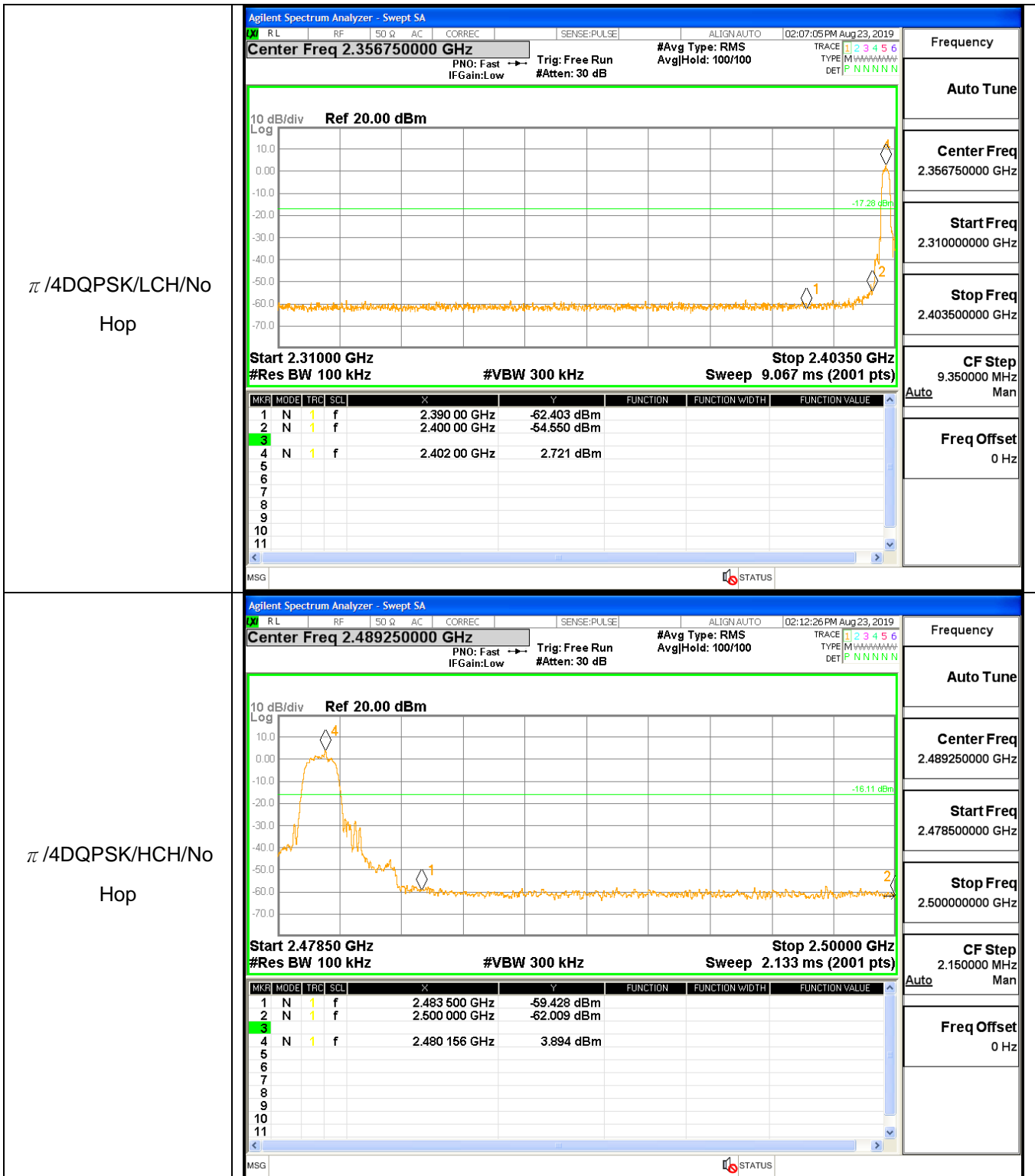
A.6 Band-edge for RF Conducted Emissions

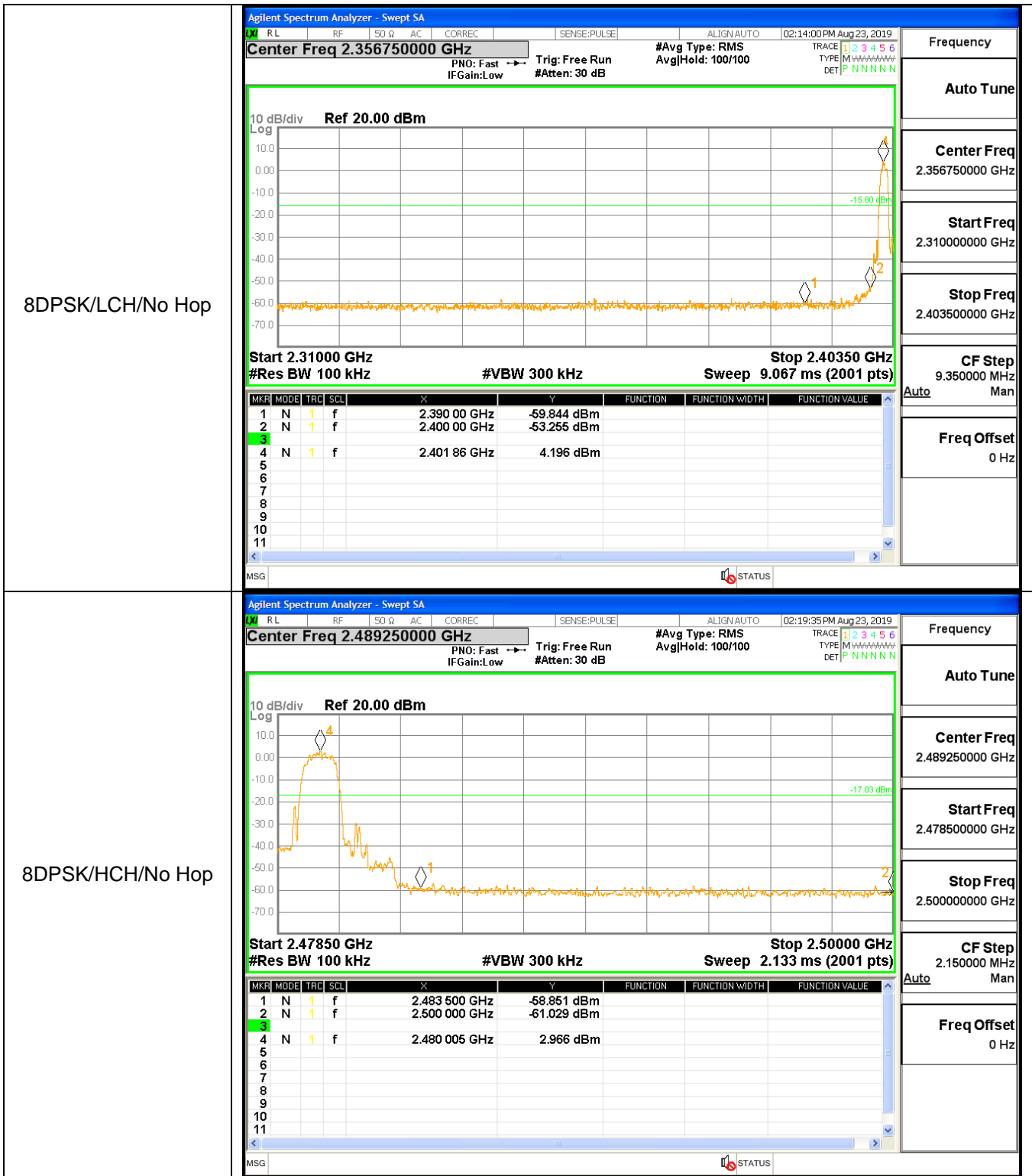
Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
1DH5	2402	2399.947	5.728	-49.969	-14.272	Pass
1DH5	2480	2483.5	6.183	-59.78	-13.817	Pass
2DH5	2402	2400	2.721	-54.55	-17.279	Pass
2DH5	2480	2483.5	3.894	-59.43	-16.106	Pass
3DH5	2402	2400	4.196	-53.26	-15.804	Pass
3DH5	2480	2483.5	2.966	-58.85	-17.034	Pass
1DH5-Hopping	2402	2399.7	-2.529	-46.191	-22.529	Pass
1DH5-Hopping	2480	2498.41	-4.331	-53.489	-24.331	Pass
2DH5-Hopping	2402	2399.58	-4.717	-53.551	-24.717	Pass
2DH5-Hopping	2480	2500	-5.753	-59.54	-25.753	Pass
3DH5-Hopping	2402	2399.22	-3.686	-52.103	-23.686	Pass
3DH5-Hopping	2480	2483.5	-5.515	-58.58	-25.515	Pass

Test Graph

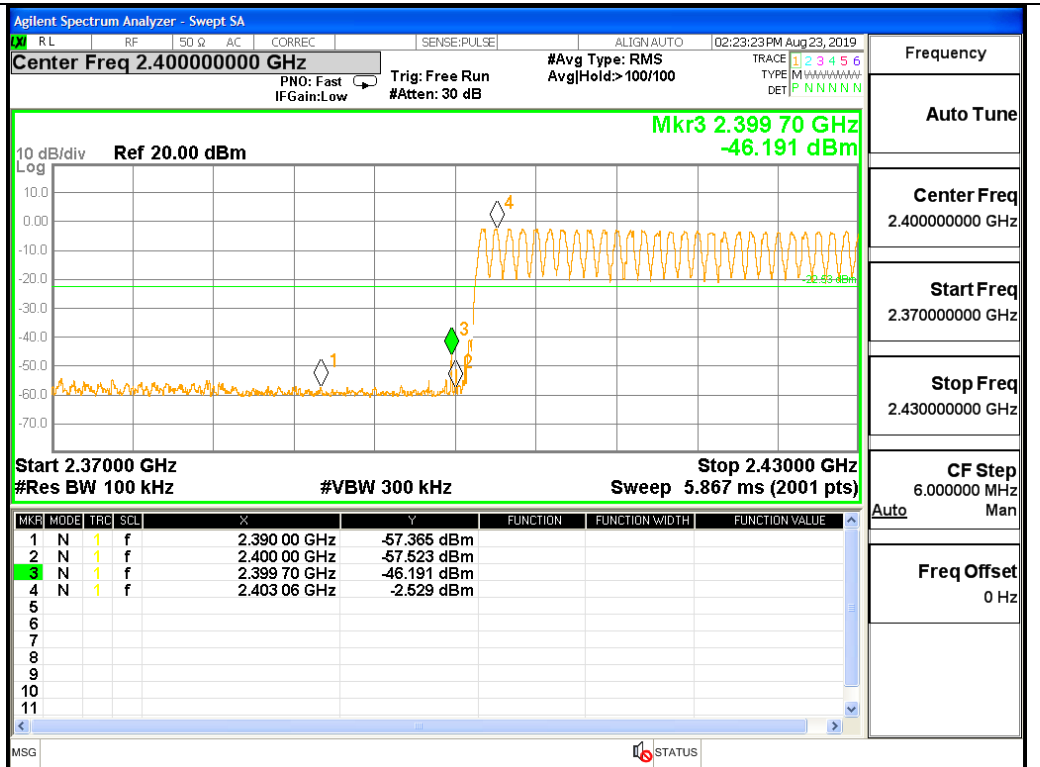
Graphs



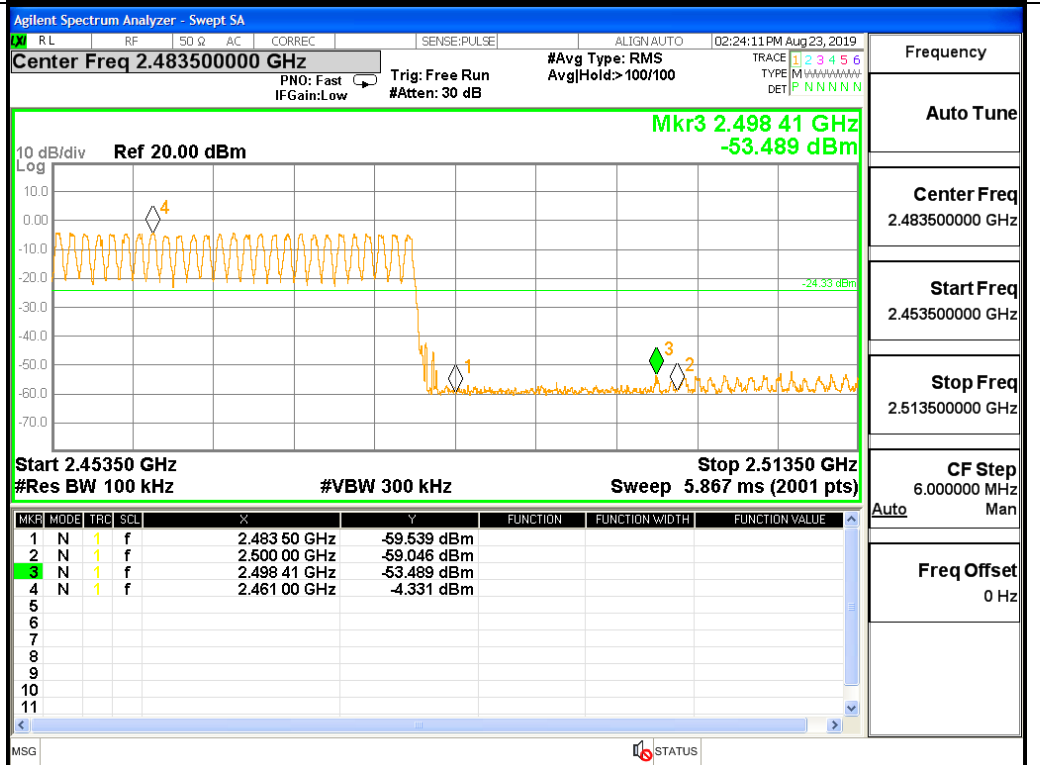


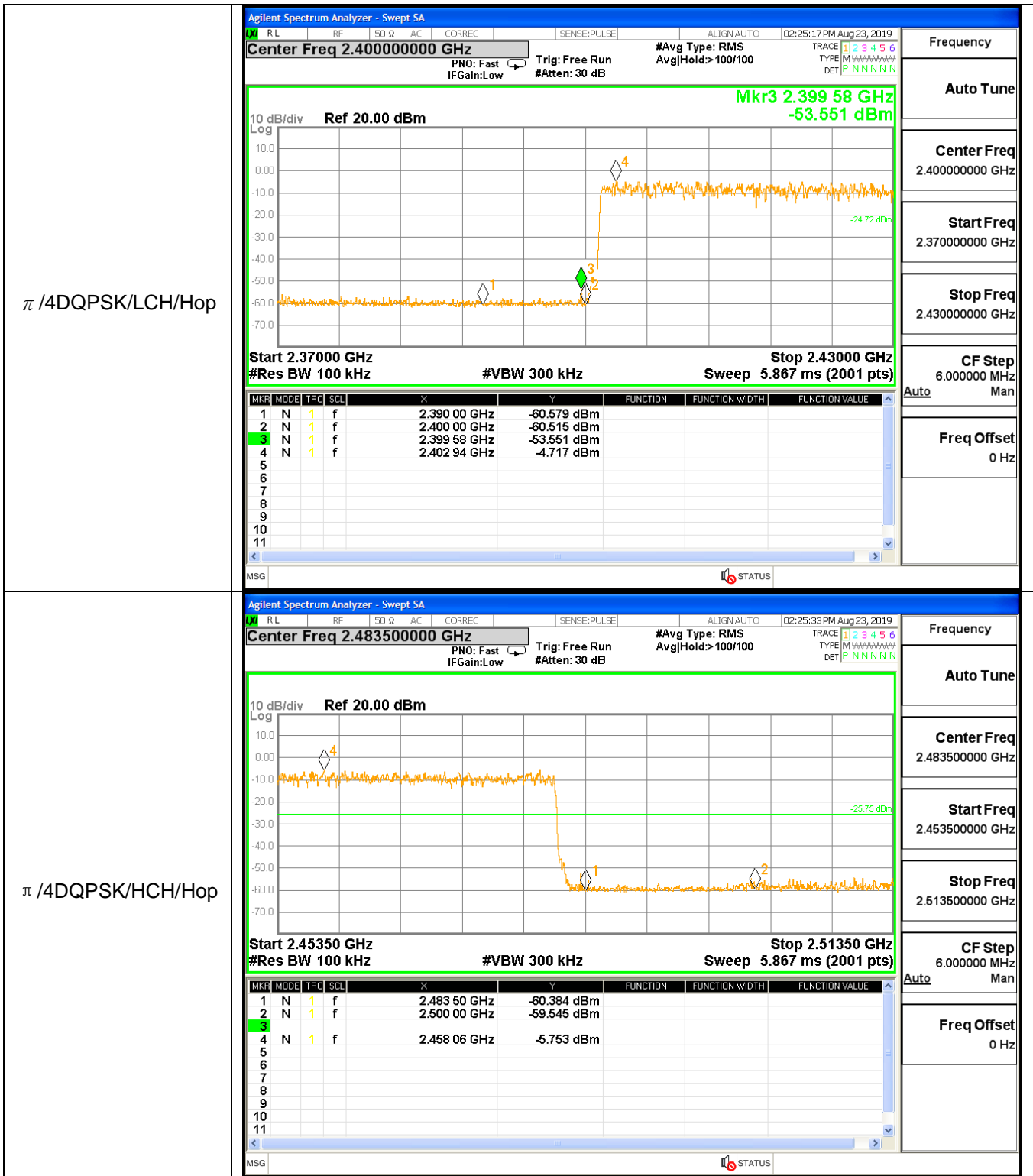


GFSK/LCH/Hop

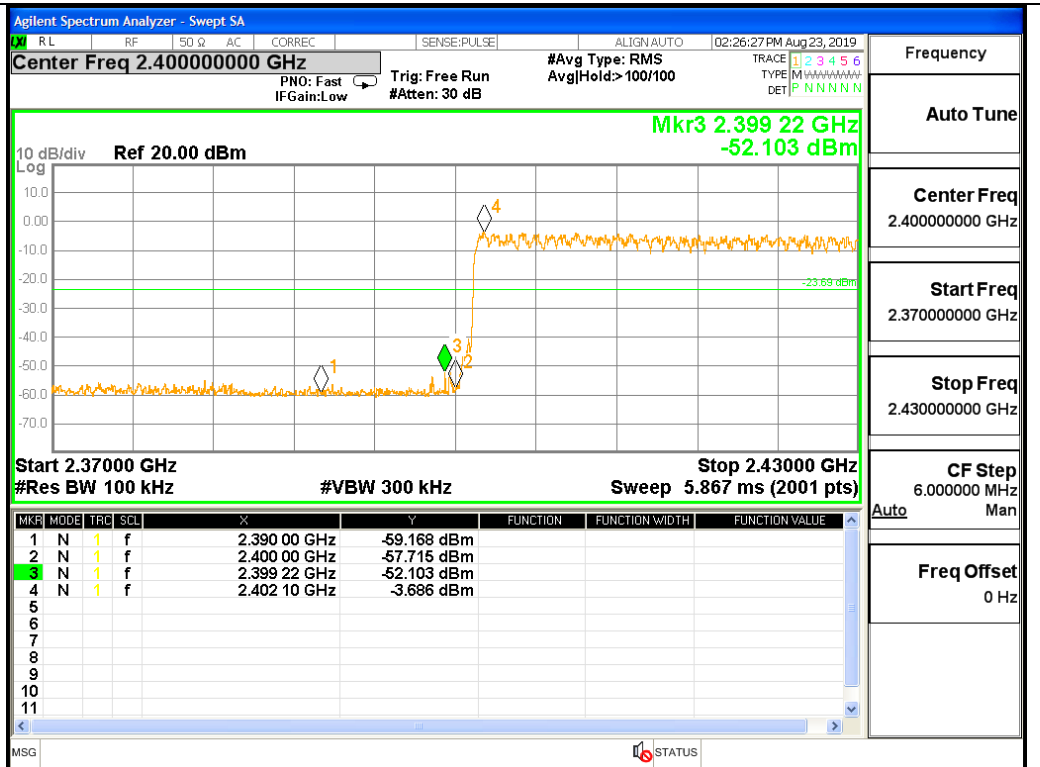


GFSK/HCH/Hop

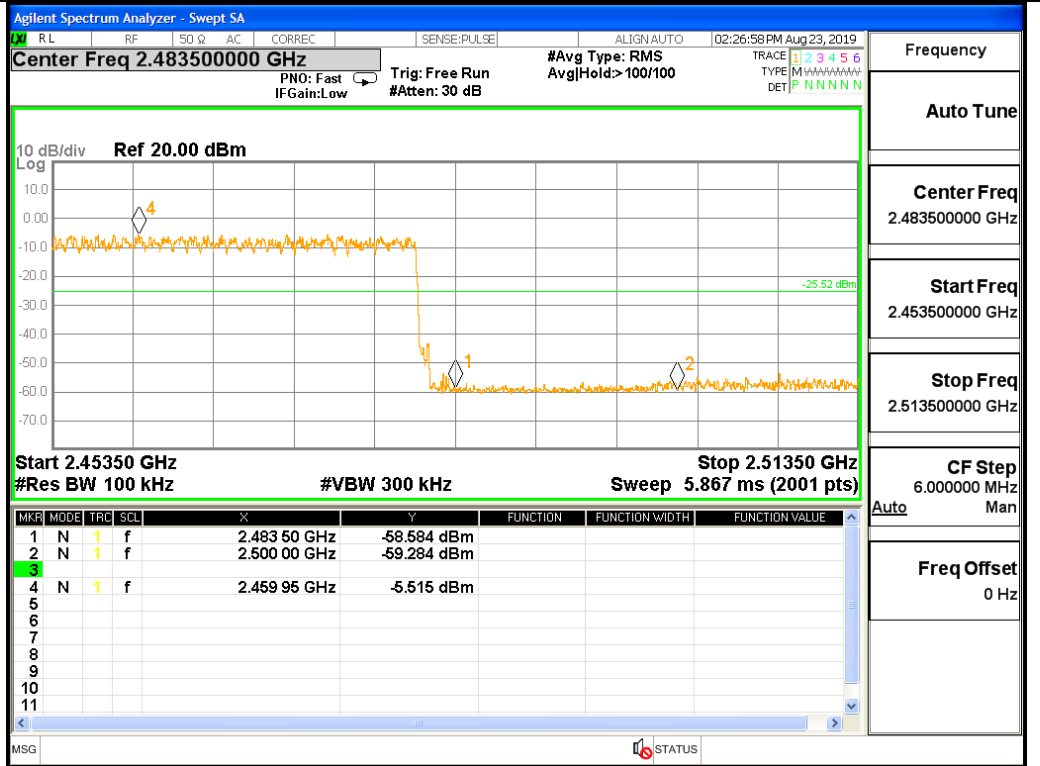




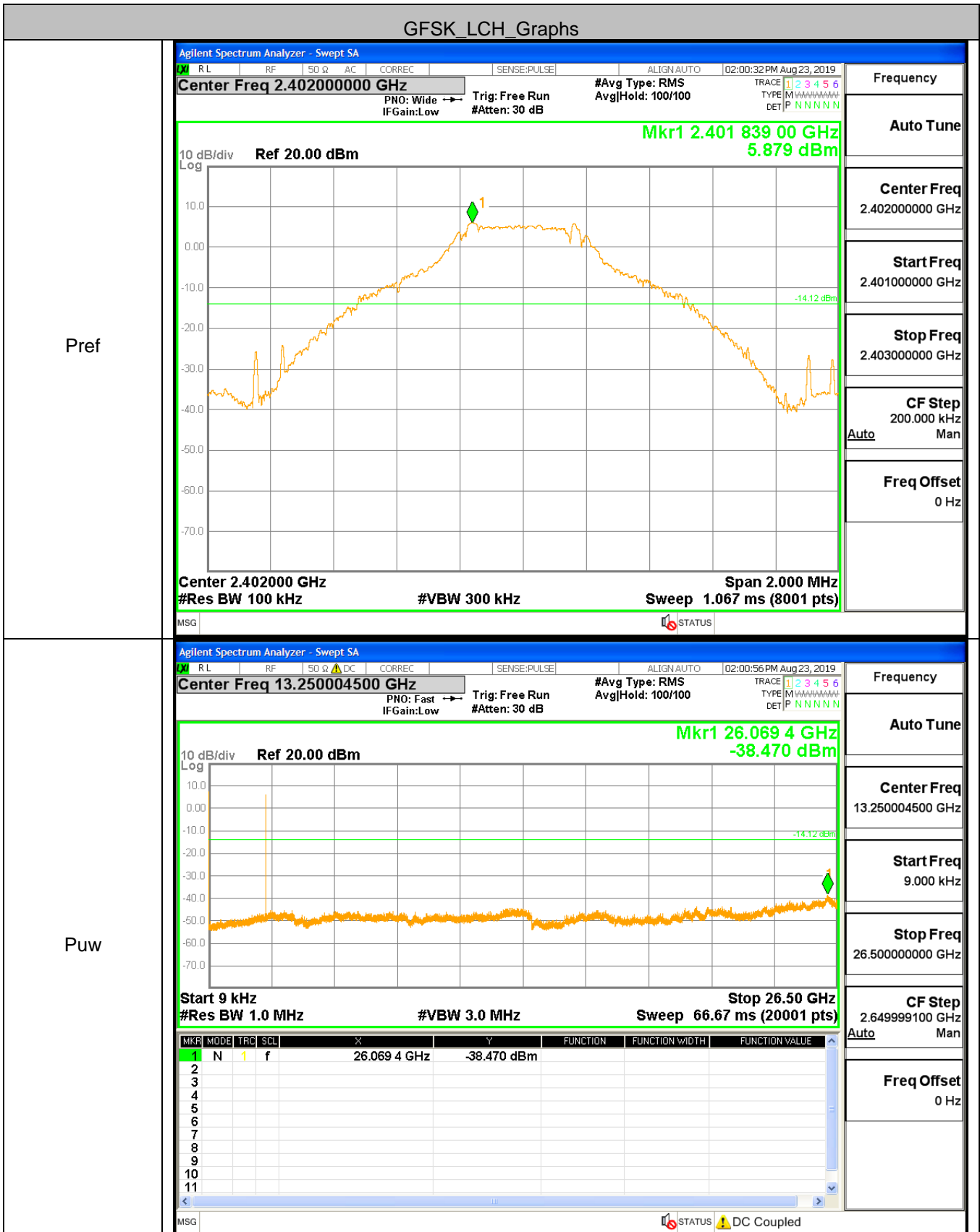
8DPSK/LCH/Hop



8DPSK/HCH/Hop

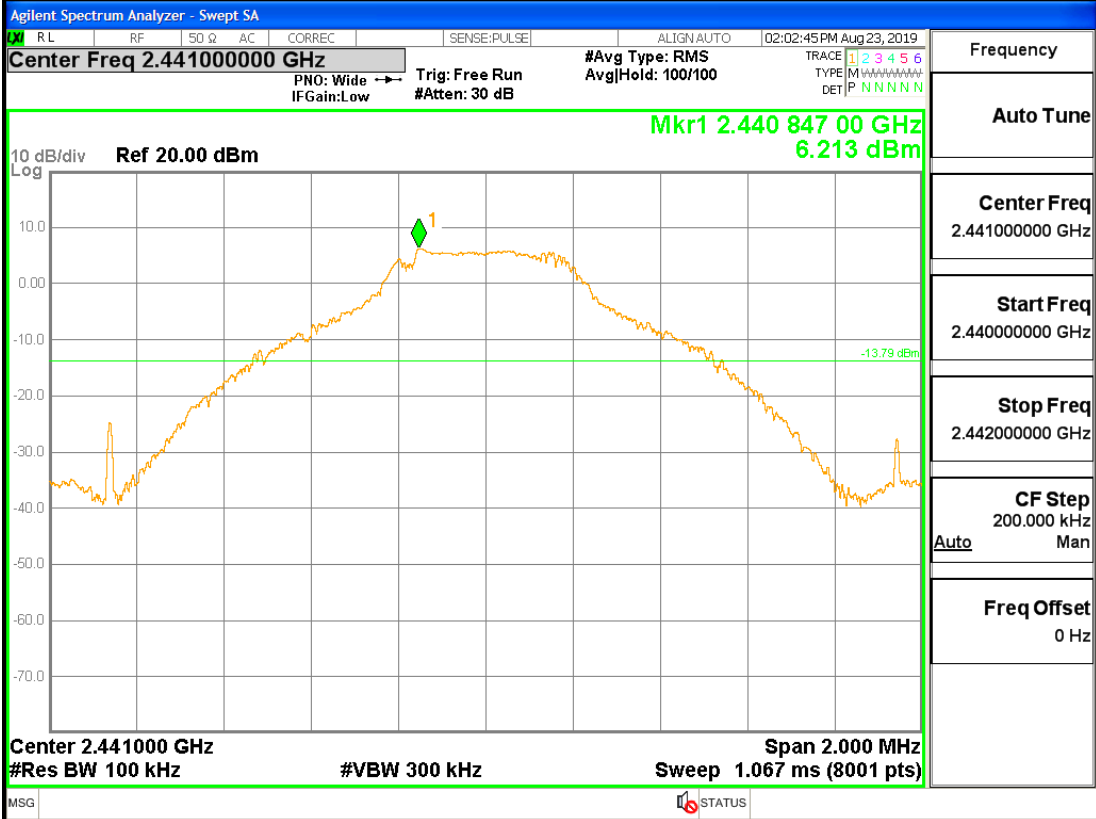


A.7 RF Conducted Spurious Emissions Test Graph

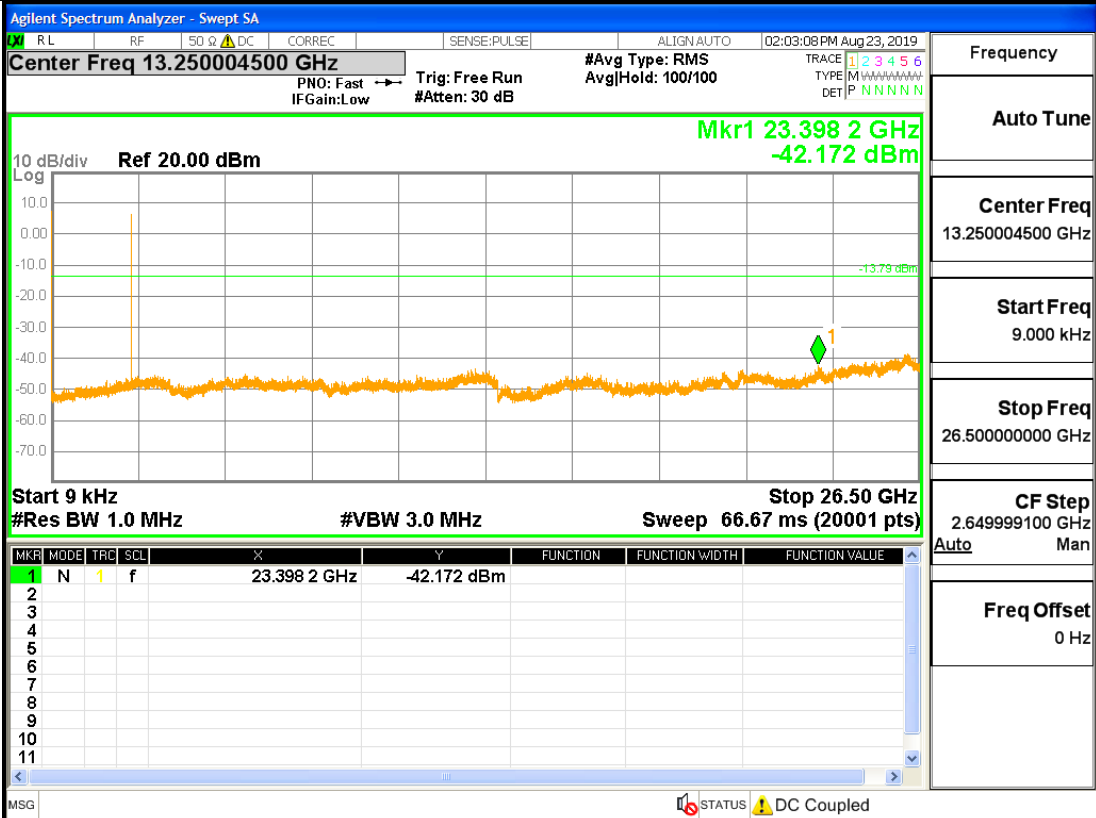


GFSK_MCH_Graphs

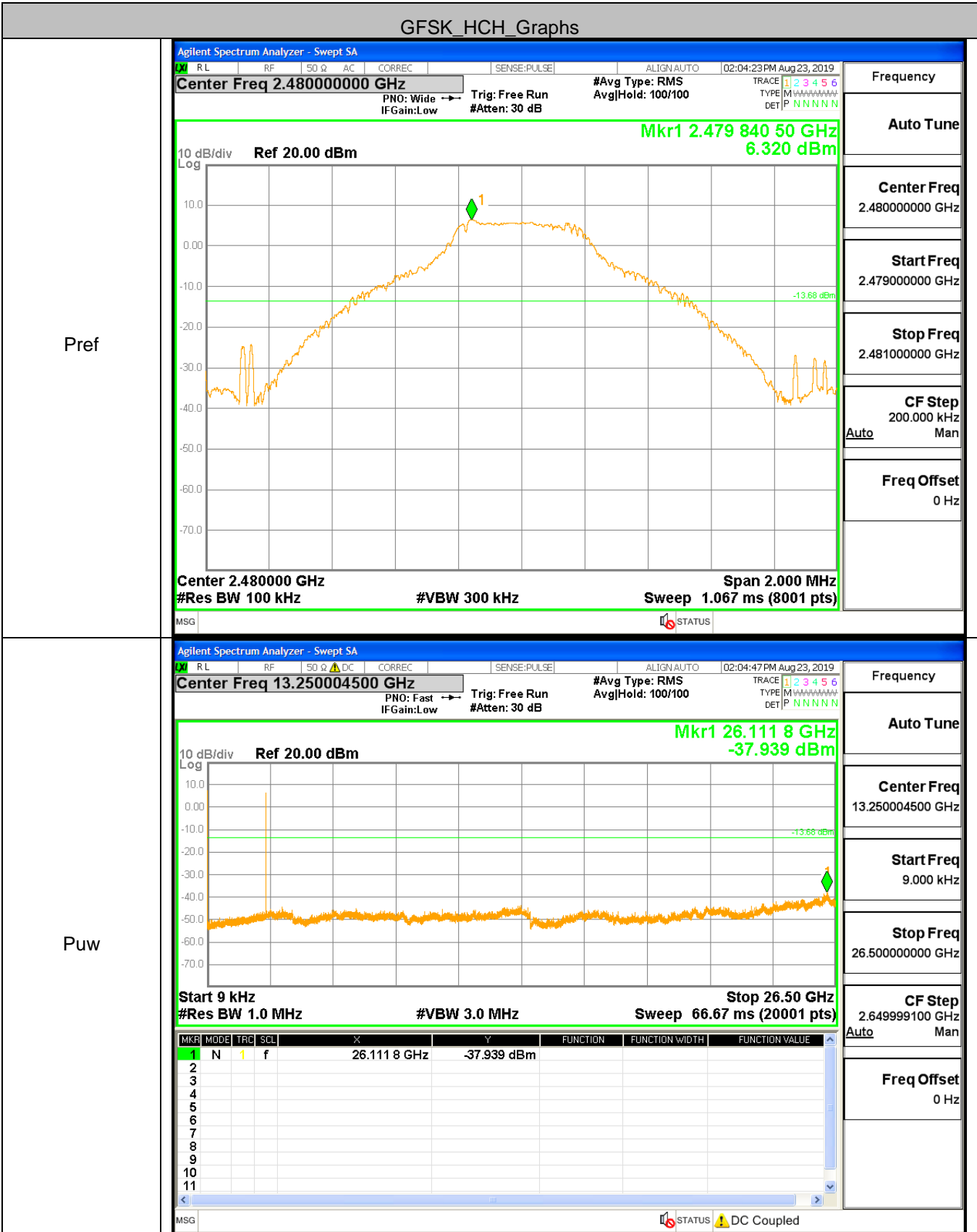
Pref



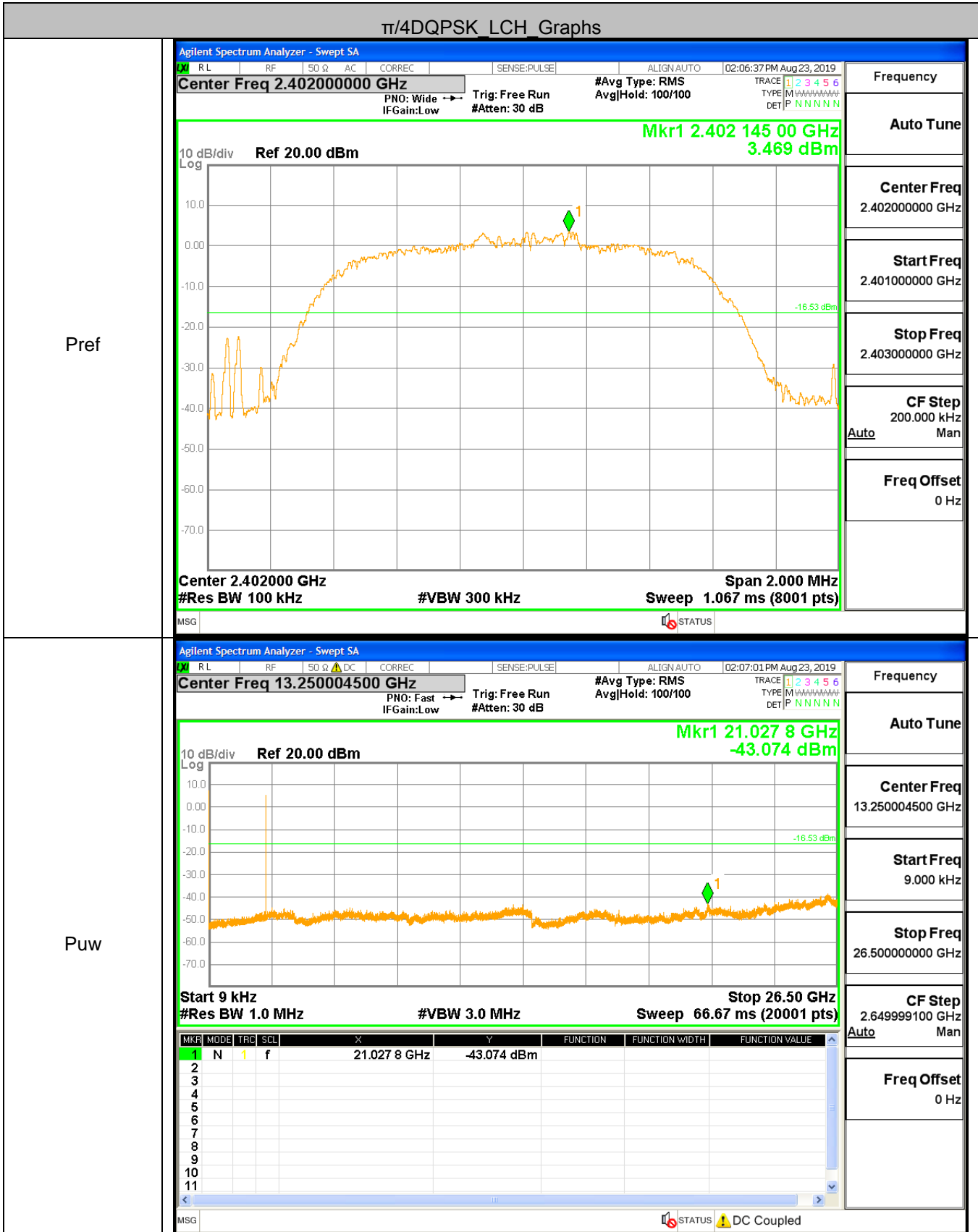
Puw



GFSK_HCH_Graphs



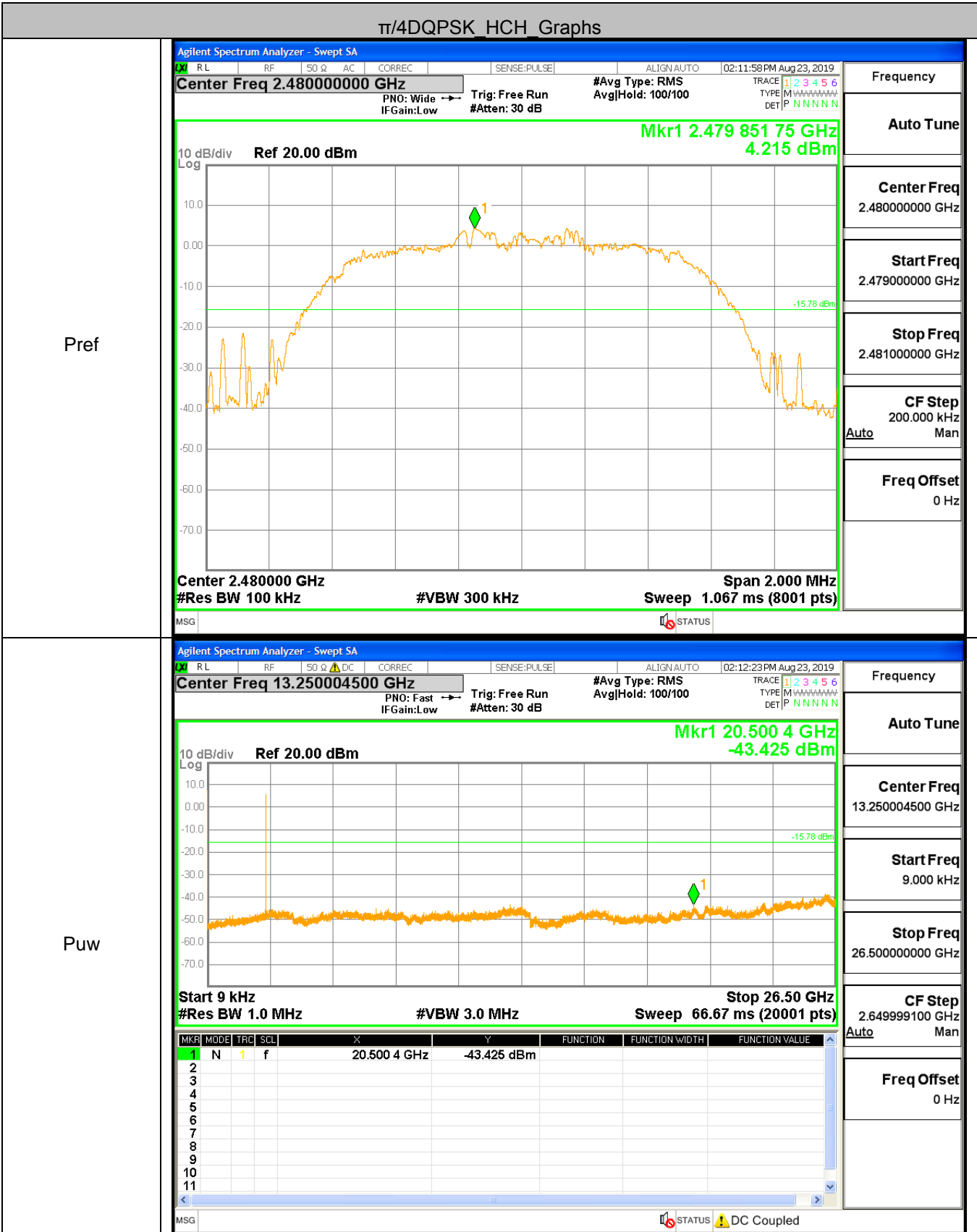
$\pi/4$ DQPSK LCH Graphs



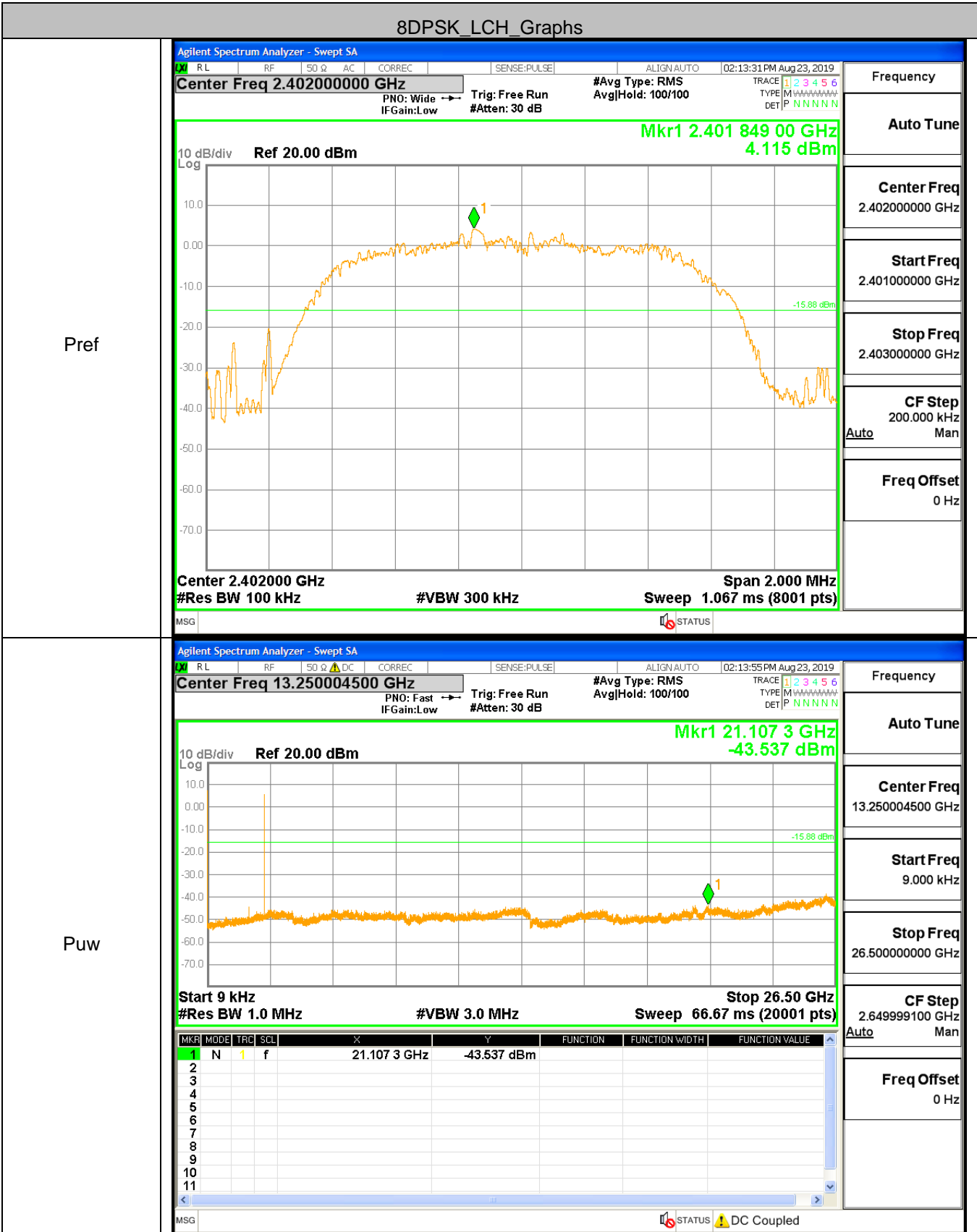
$\pi/4$ DQPSK MCH Graphs



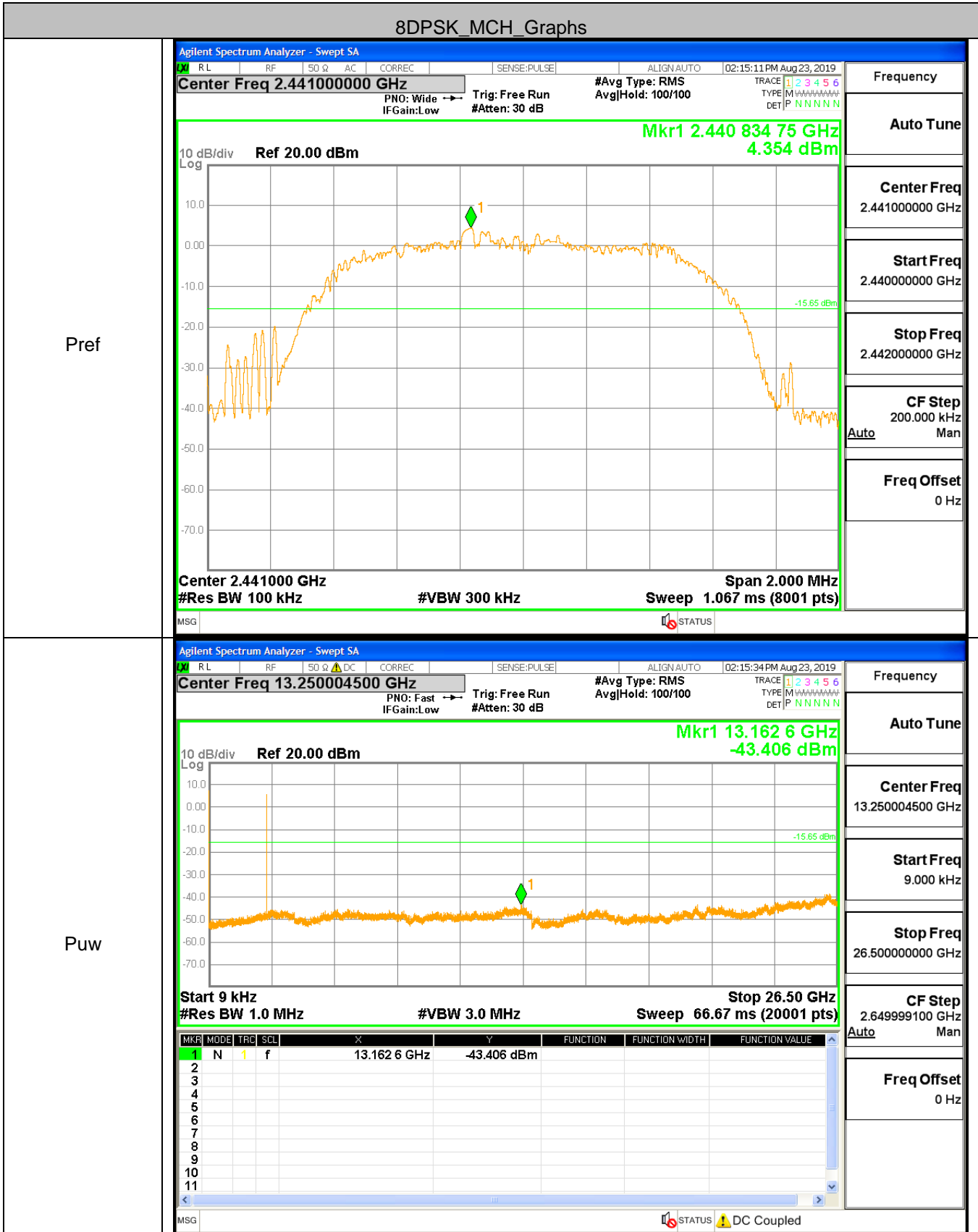
$\pi/4$ DQPSK HCH Graphs



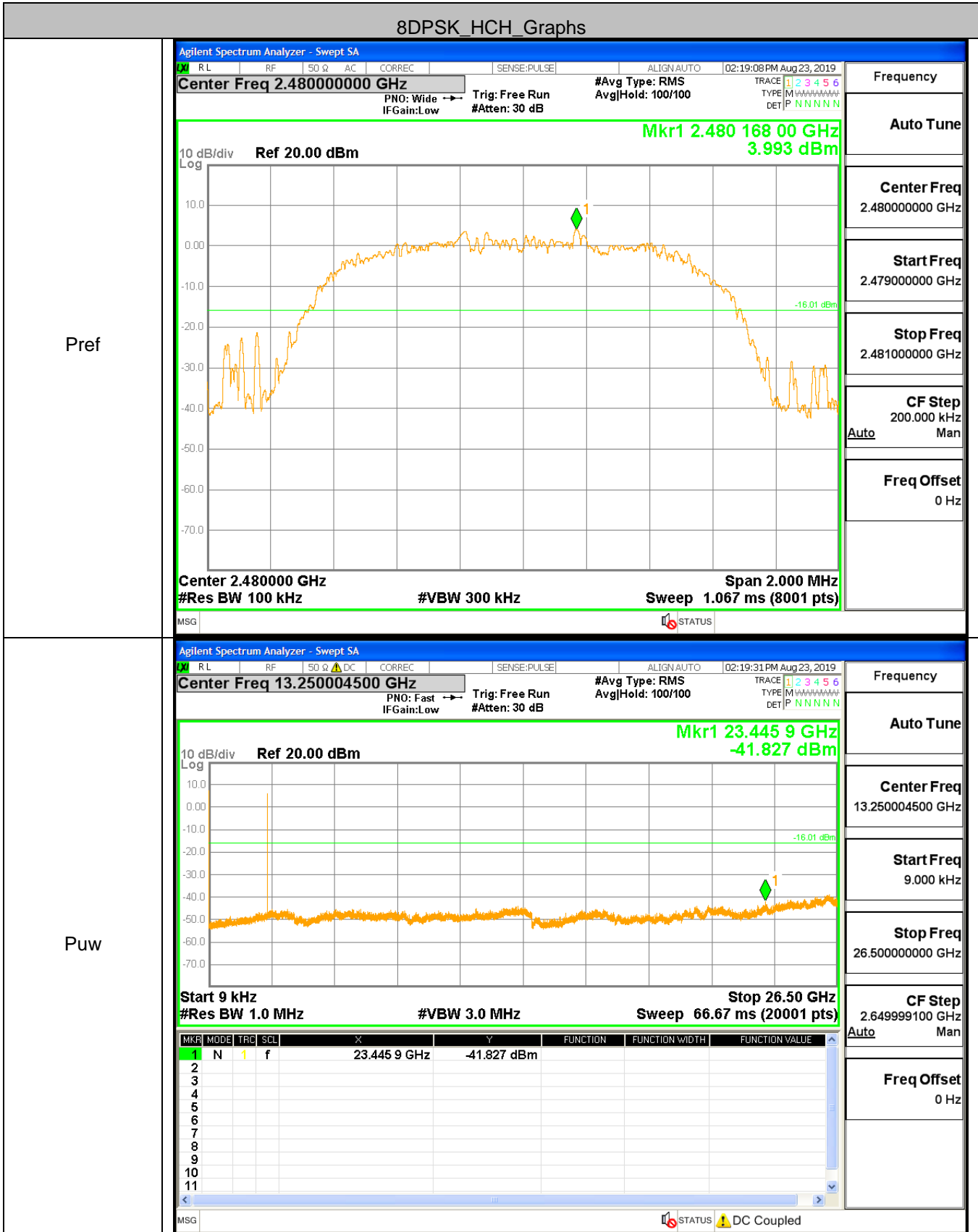
8DPSK_LCH_Graphs



8DPSK_MCH_Graphs



8DPSK_HCH_Graphs

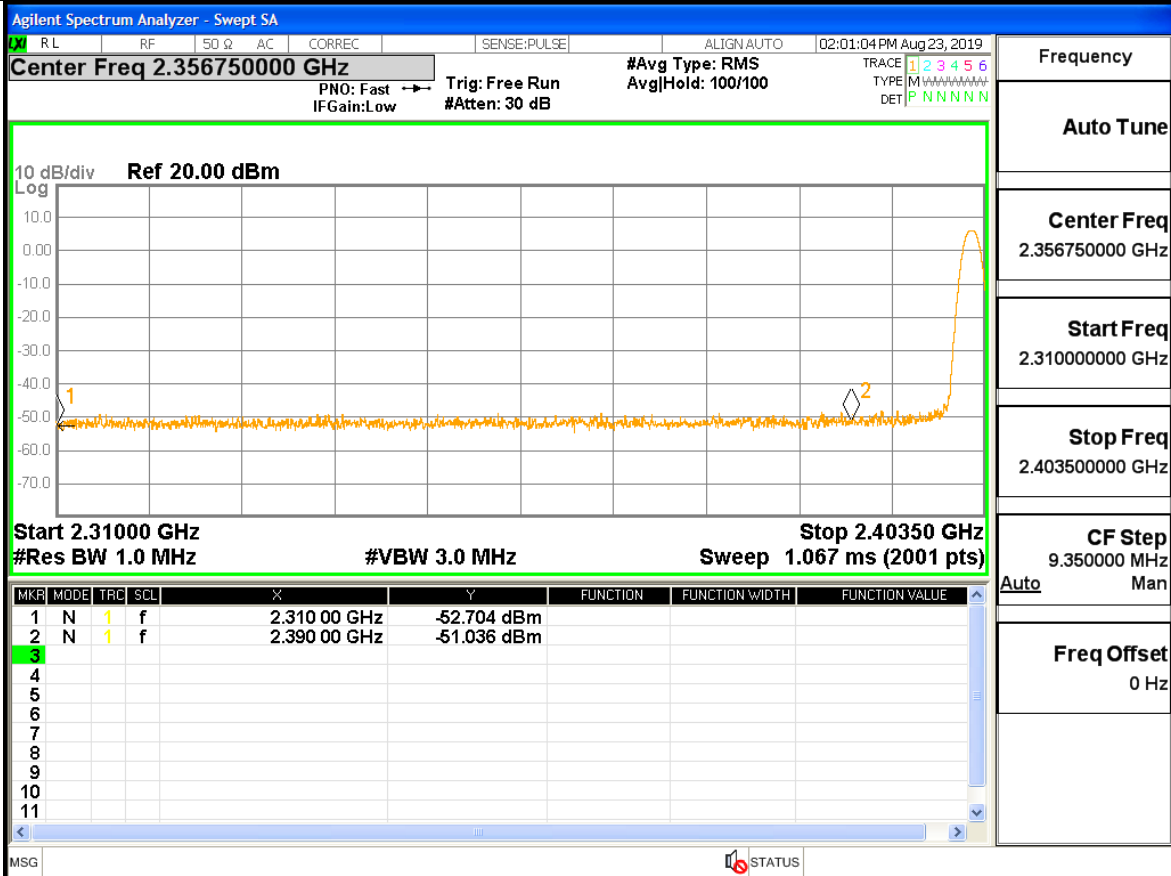


A.8 Restrict-band band-edge measurements

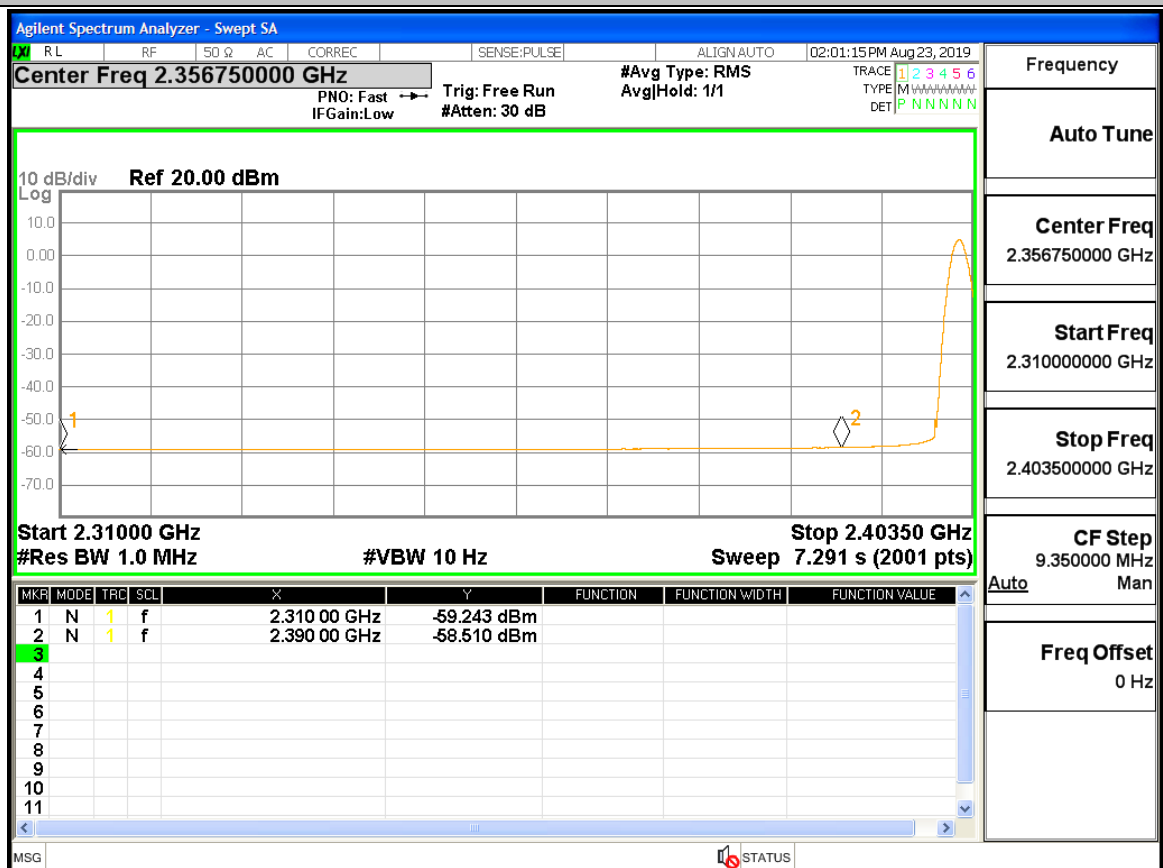
Type	Carrier Frequency (MHz)	Frequency(M Hz)	Gain	Ground Factor	Peak Value(dBm)	E [dBuV/m]	Limit [dBuV/m]	Conclusion
1DH5	2402	2390.00	2.00	0.00	-51.04	46.16	74	Pass
1DH5	2480	2494.18	2.00	0.00	-47.09	50.11	74	Pass
2DH5	2402	2310.00	2.00	0.00	-52.10	45.10	74	Pass
2DH5	2480	2486.08	2.00	0.00	-46.96	50.24	74	Pass
3DH5	2402	2390.00	2.00	0.00	-52.01	45.19	74	Pass
3DH5	2480	2484.22	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	-58.51	38.69	54	Pass
1DH5	2480	2494.18	2.00	0.00	-53.47	43.73	54	Pass
2DH5	2402	2310.00	2.00	0.00	-58.67	38.53	54	Pass
2DH5	2480	2486.08	2.00	0.00	-52.96	44.24	54	Pass
3DH5	2402	2390.00	2.00	0.00	-58.68	38.52	54	Pass
3DH5	2480	2484.22	2.00	0.00	-58.42	38.78	54	Pass

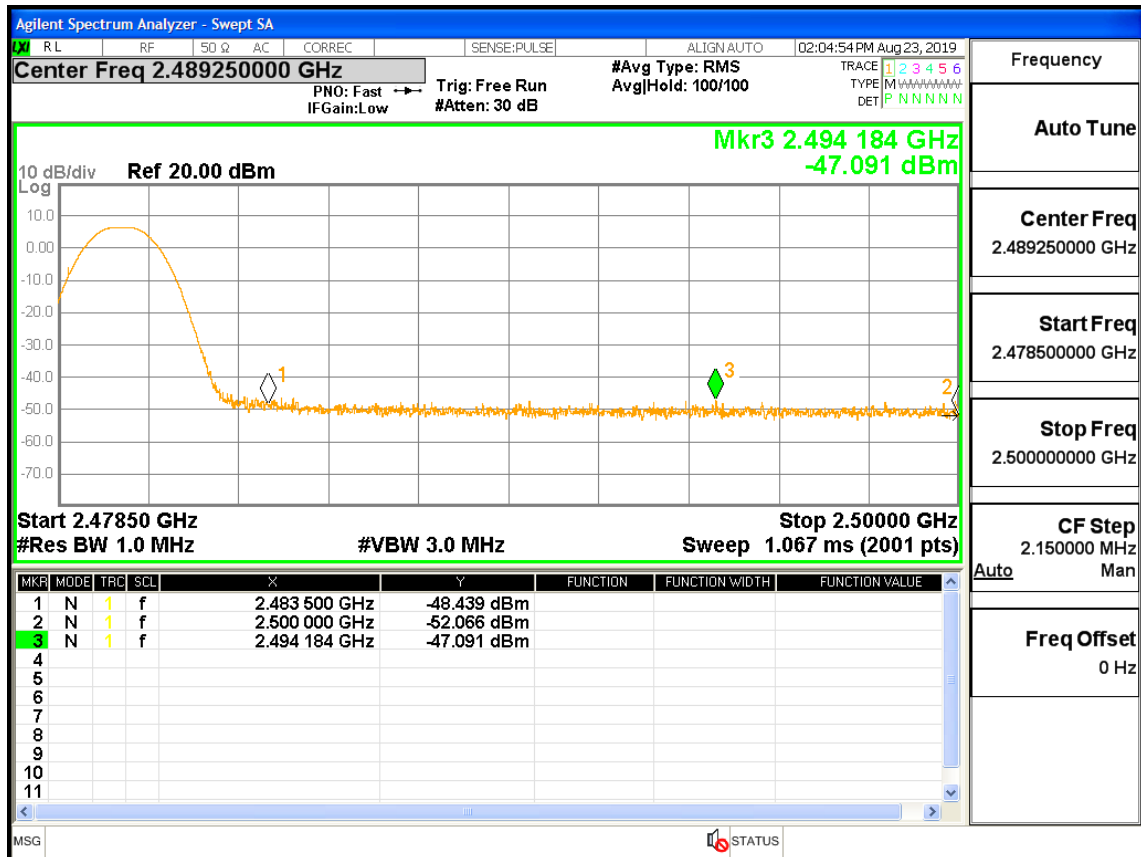
Restrict-band band-edge measurements_2402_PEAK_DH5



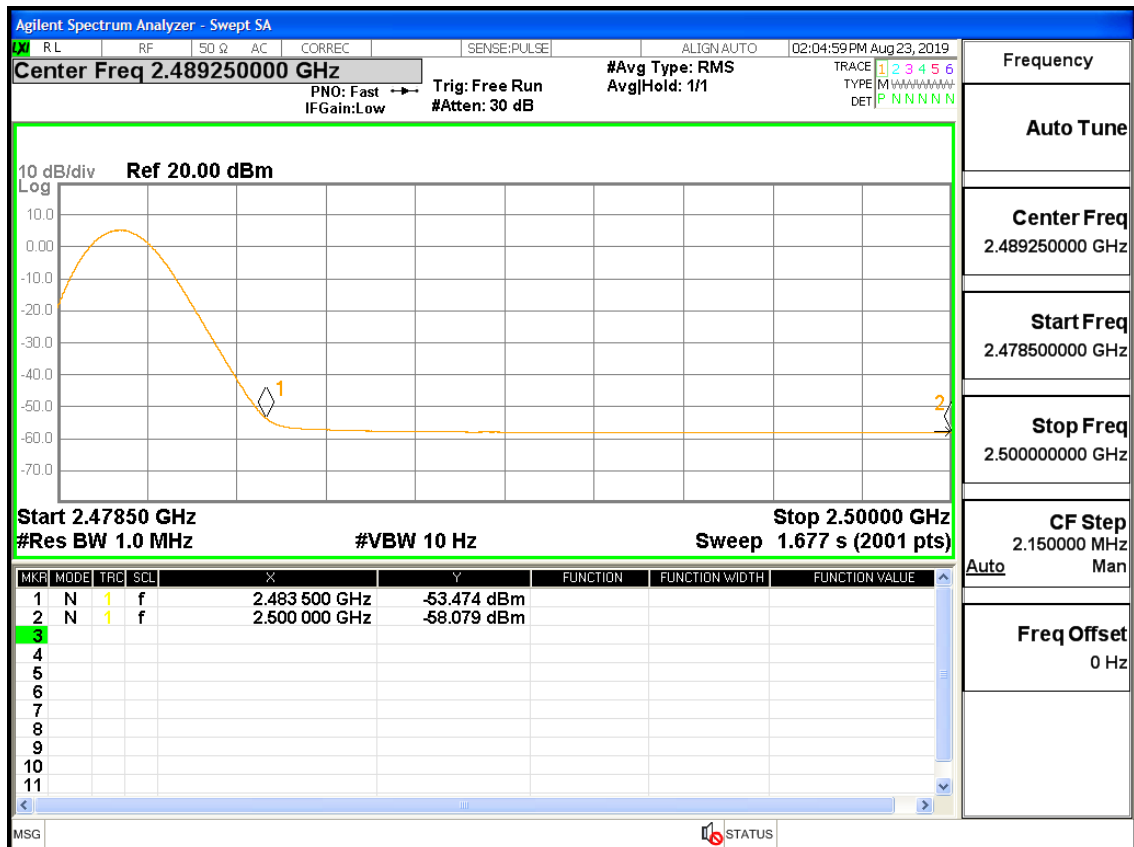
Restrict-band band-edge measurements_2402_AV_DH5



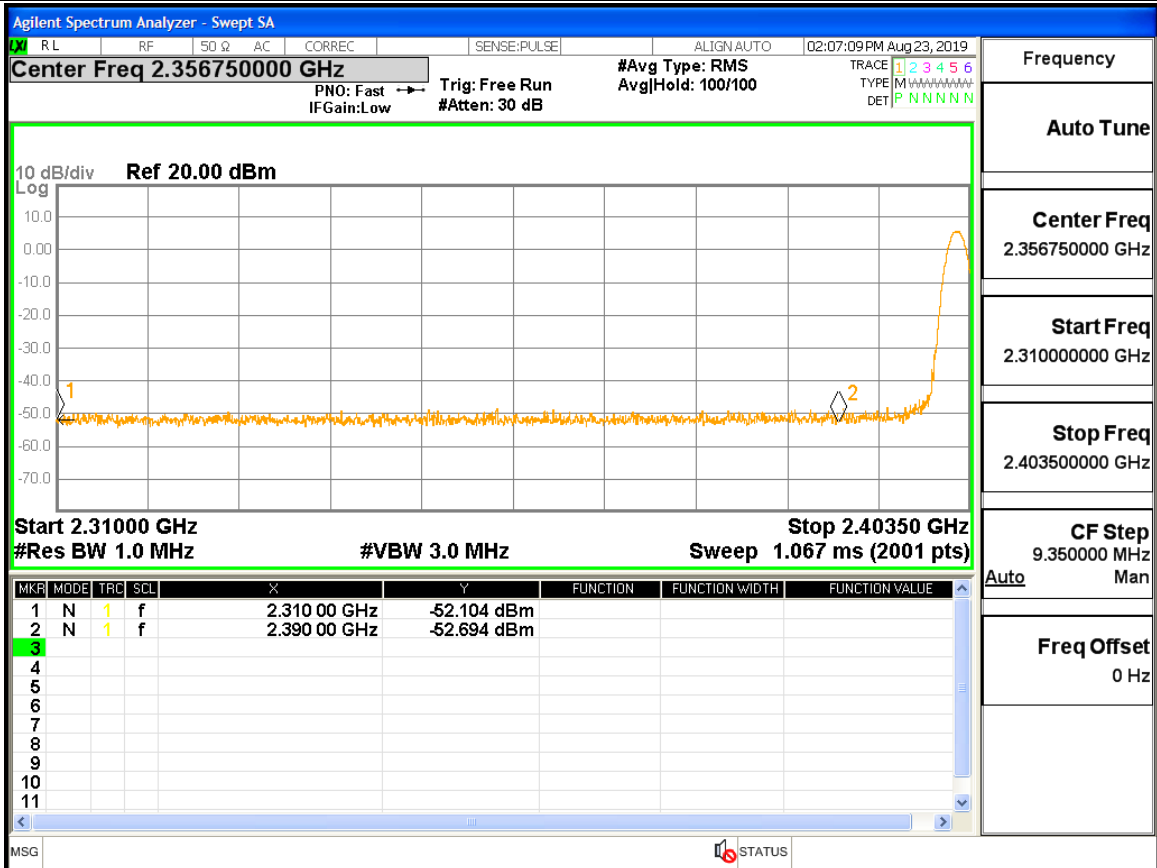
Restrict-band band-edge measurements_2480_PEAK_DH5



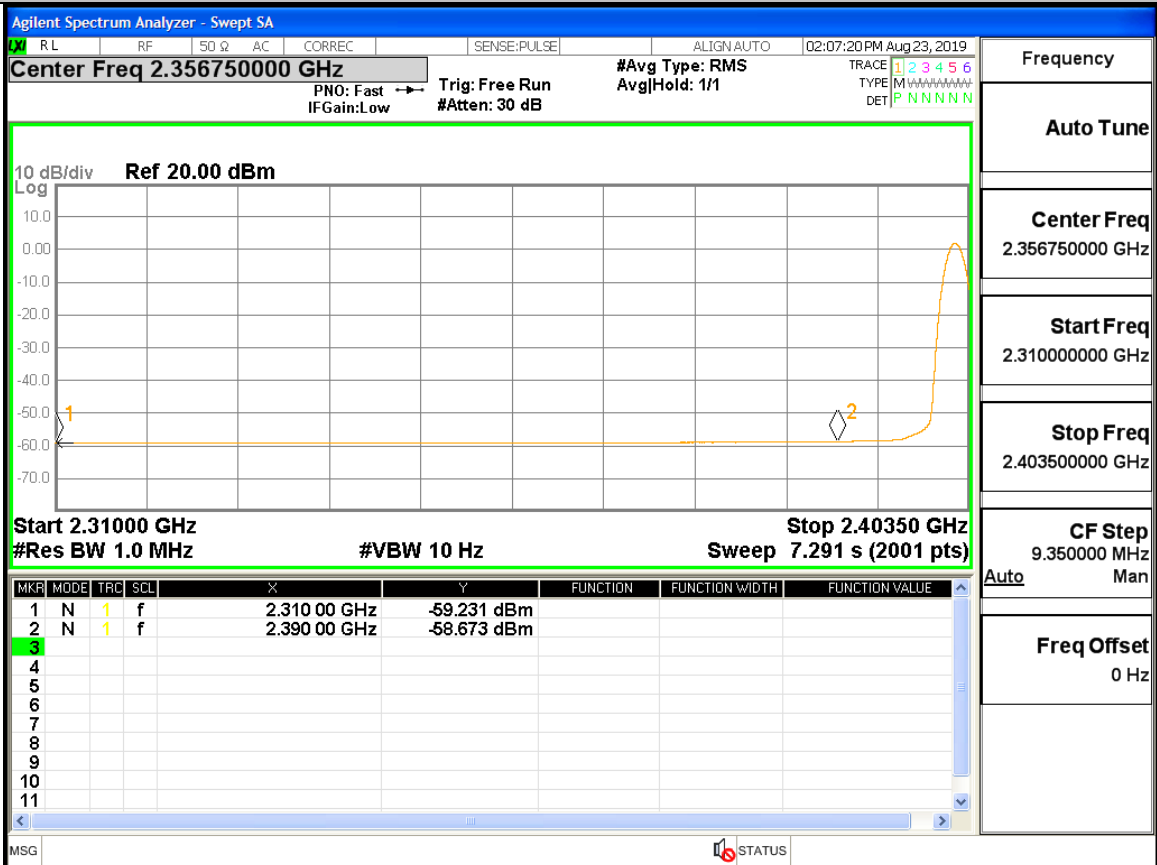
Restrict-band band-edge measurements_2480_AV_DH5



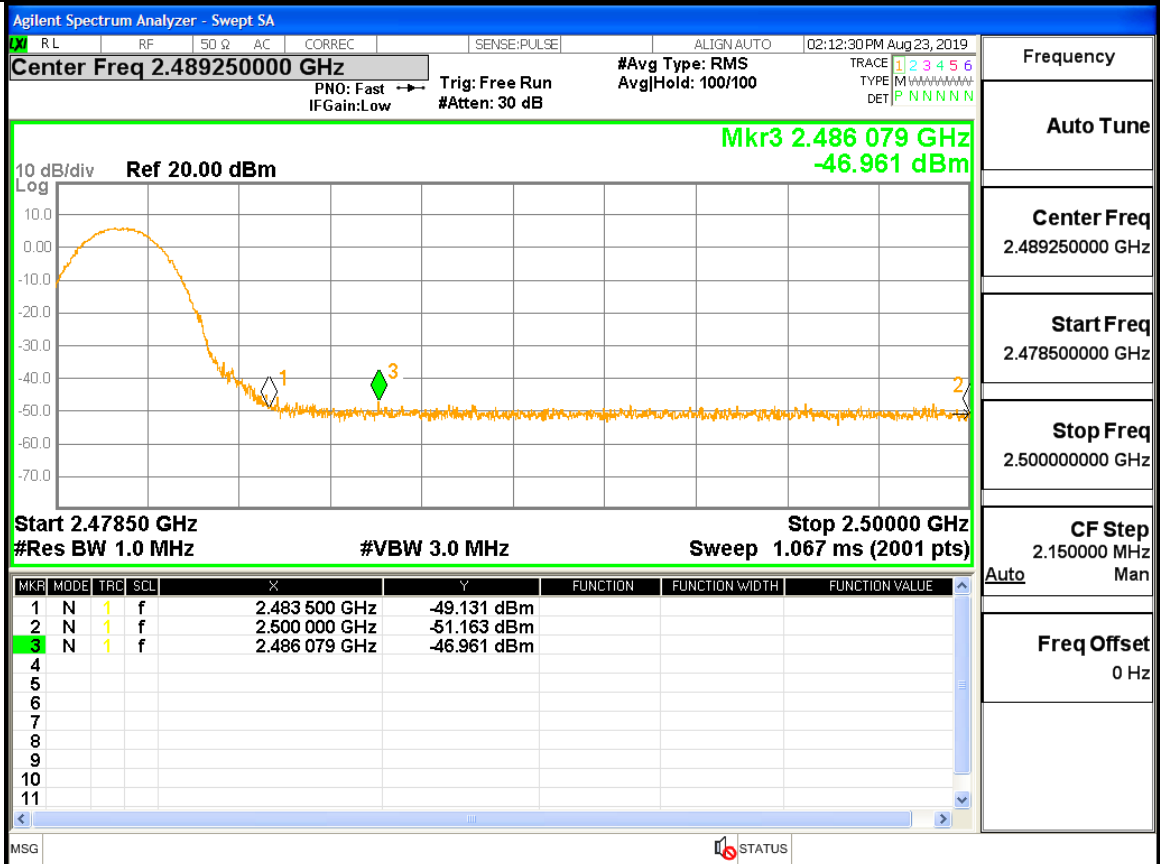
Restrict-band band-edge measurements_2402_PEAK_2DH5



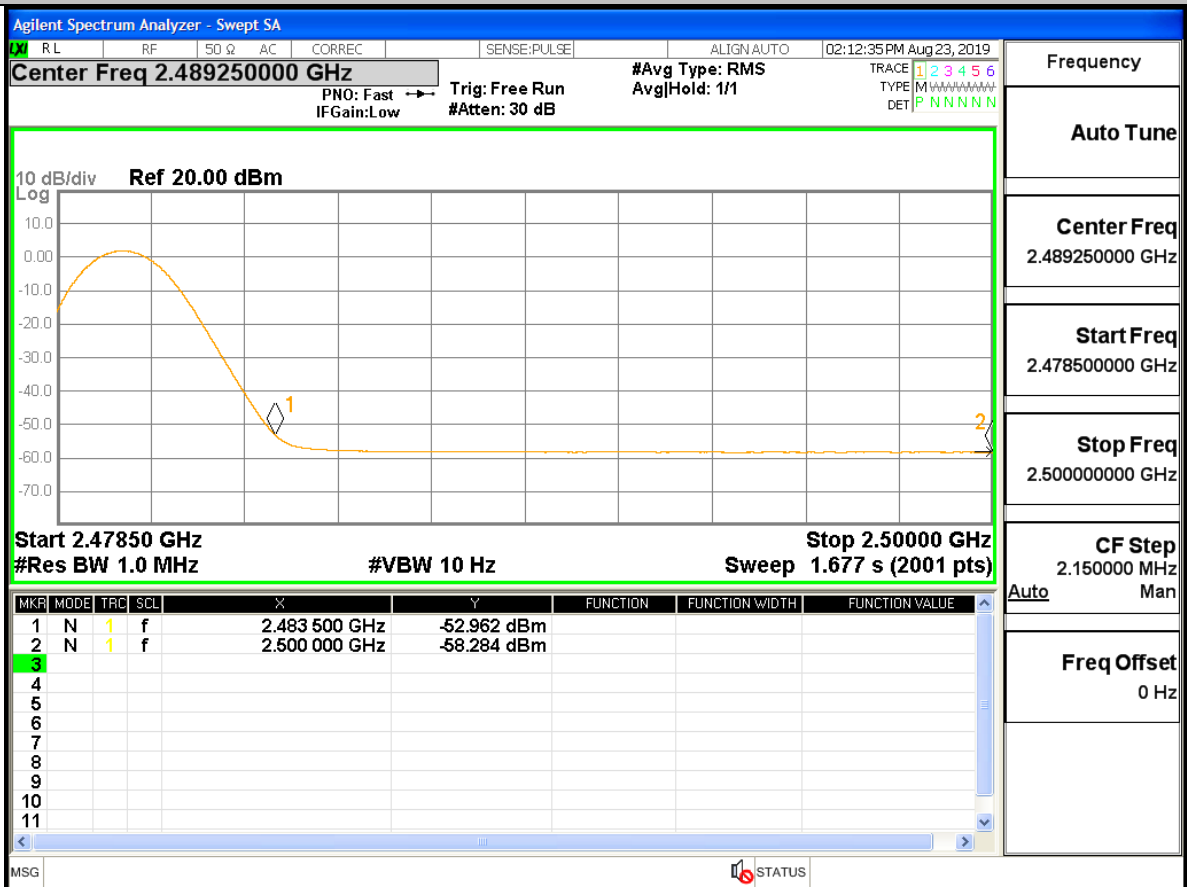
Restrict-band band-edge measurements_2402_AV_2DH5



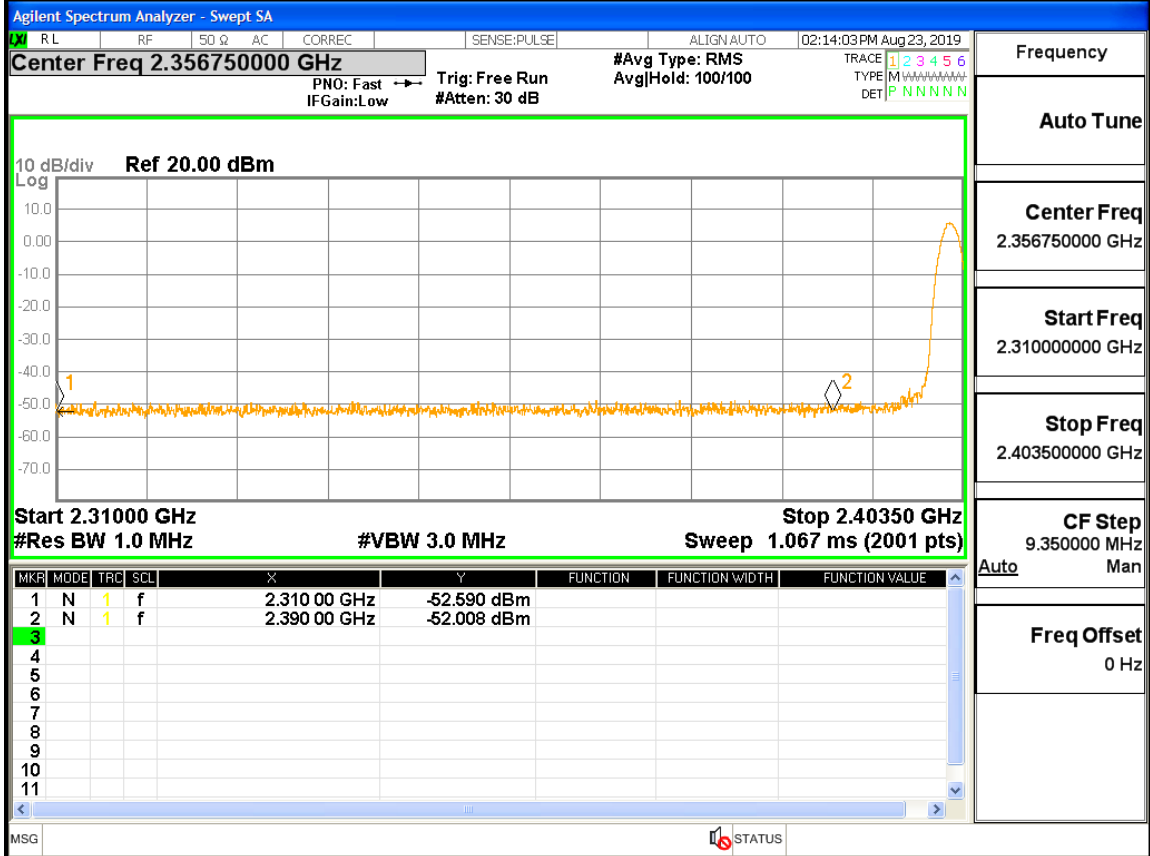
Restrict-band band-edge measurements_2480_PEAK_2DH5



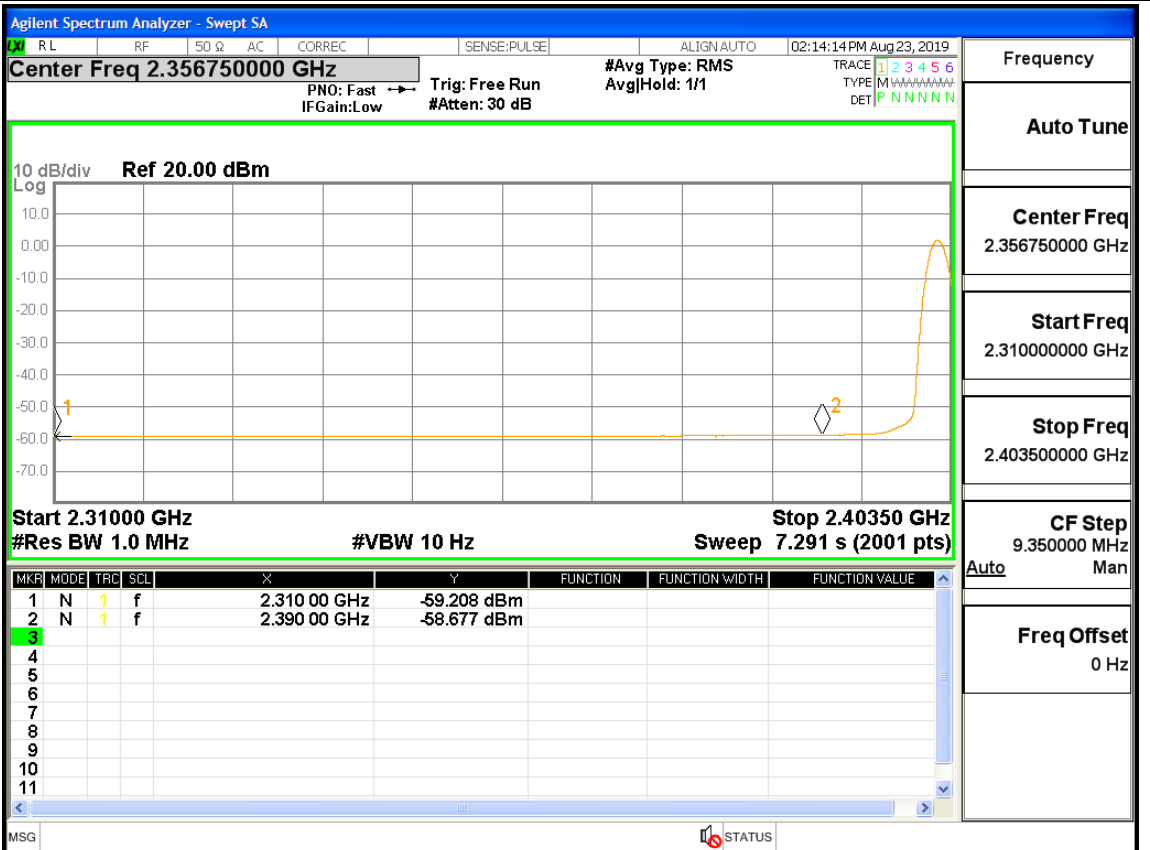
Restrict-band band-edge measurements_2480_AV_2DH5



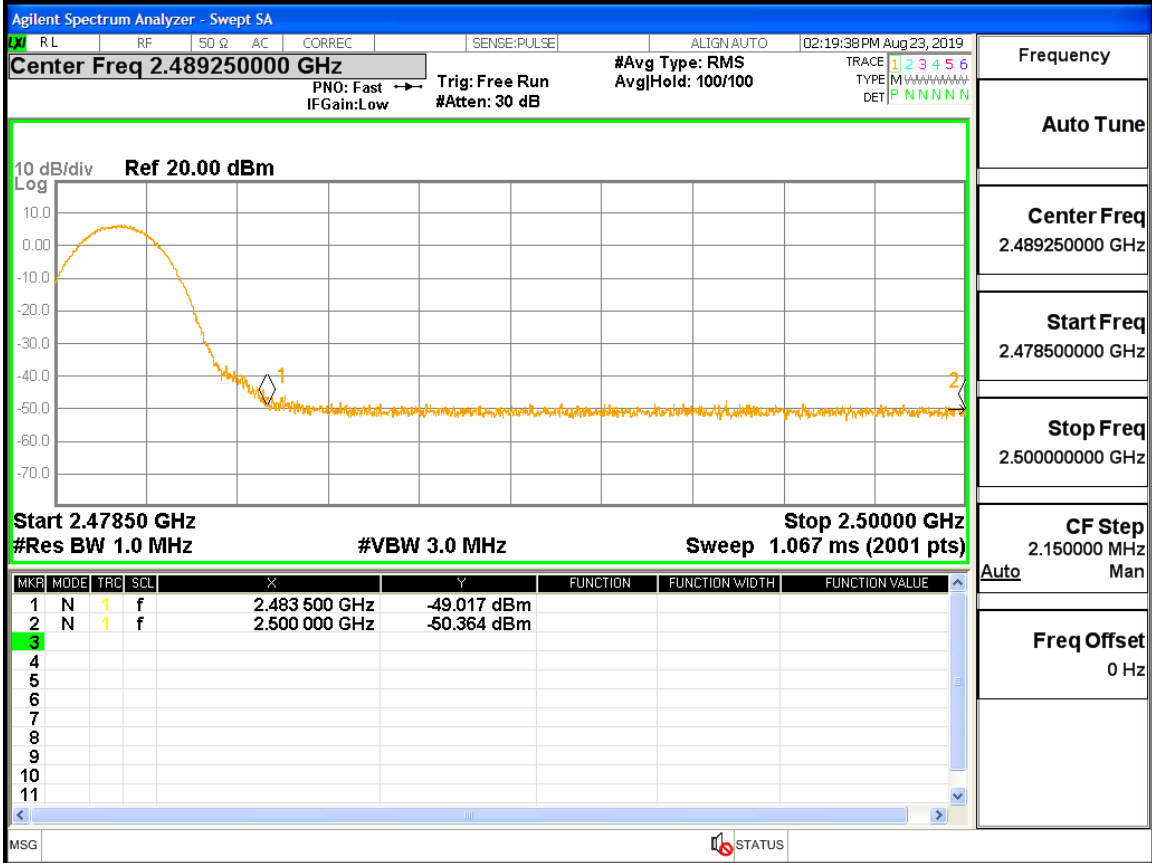
Restrict-band band-edge measurements_2402_PEAK_3DH5



Restrict-band band-edge measurements_2402_AV_3DH5



Restrict-band band-edge measurements_2480_PEAK_3DH5



Restrict-band band-edge measurements_2480_AV_3DH5

