

Appendix A

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

Product Name: Tablet PC

Trade Mark: Brightside

Test Model: BS908

FCC ID: 2AXX5BS908

Environmental Conditions

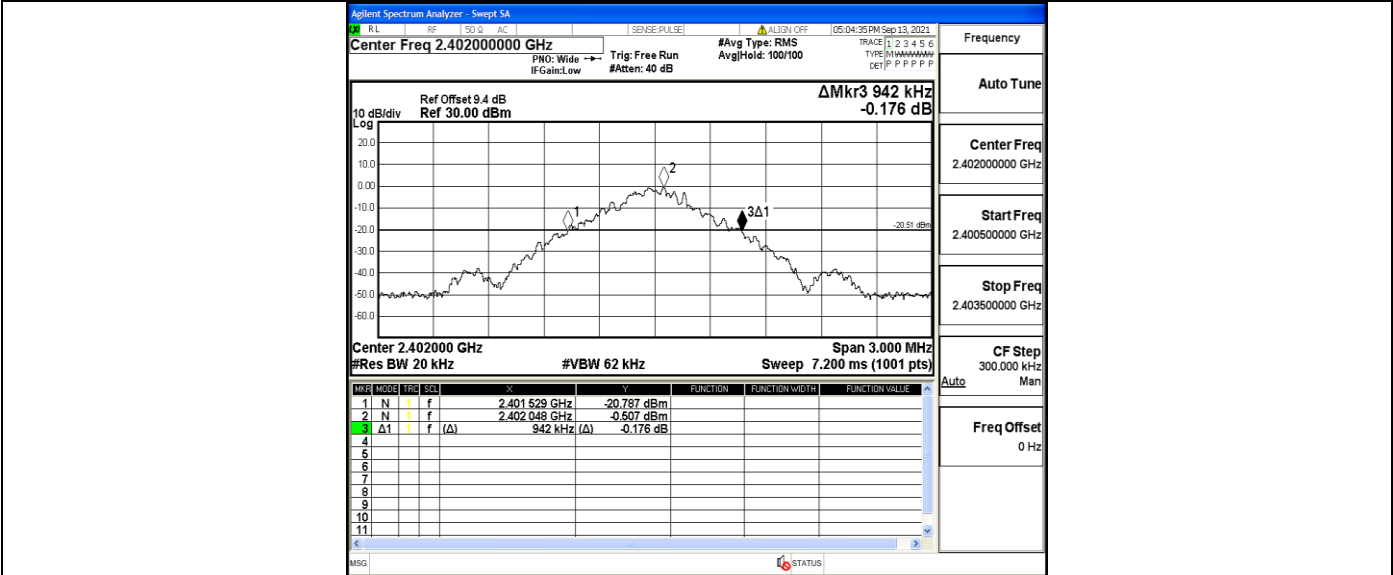
Temperature:	23.8℃
Relative Humidity:	51%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

A.1 20 dB Bandwidth

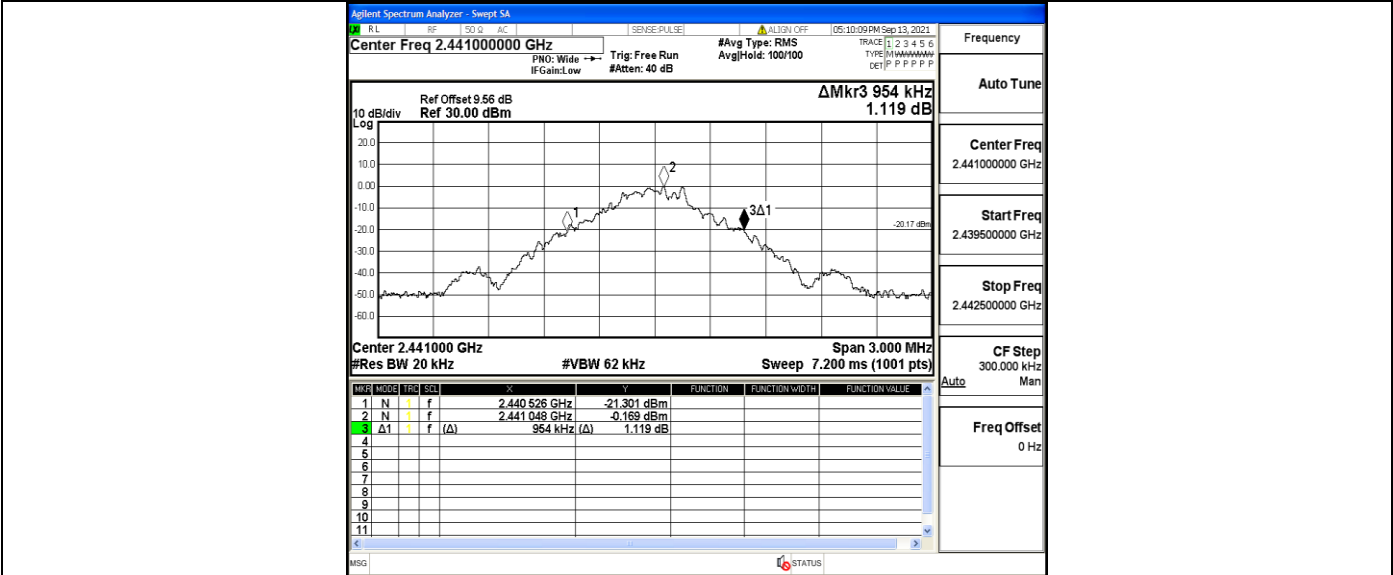
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.529	2402.471	Not Specified	PASS
		2441	0.954	2440.526	2441.480	Not Specified	PASS
		2480	0.954	2479.526	2480.480	Not Specified	PASS
2DH5	Ant1	2402	1.320	2401.331	2402.651	Not Specified	PASS
		2441	1.266	2440.358	2441.624	Not Specified	PASS
		2480	1.314	2479.331	2480.645	Not Specified	PASS
3DH5	Ant1	2402	1.275	2401.343	2402.618	Not Specified	PASS
		2441	1.263	2440.346	2441.609	Not Specified	PASS
		2480	1.266	2479.346	2480.612	Not Specified	PASS

Test Graph

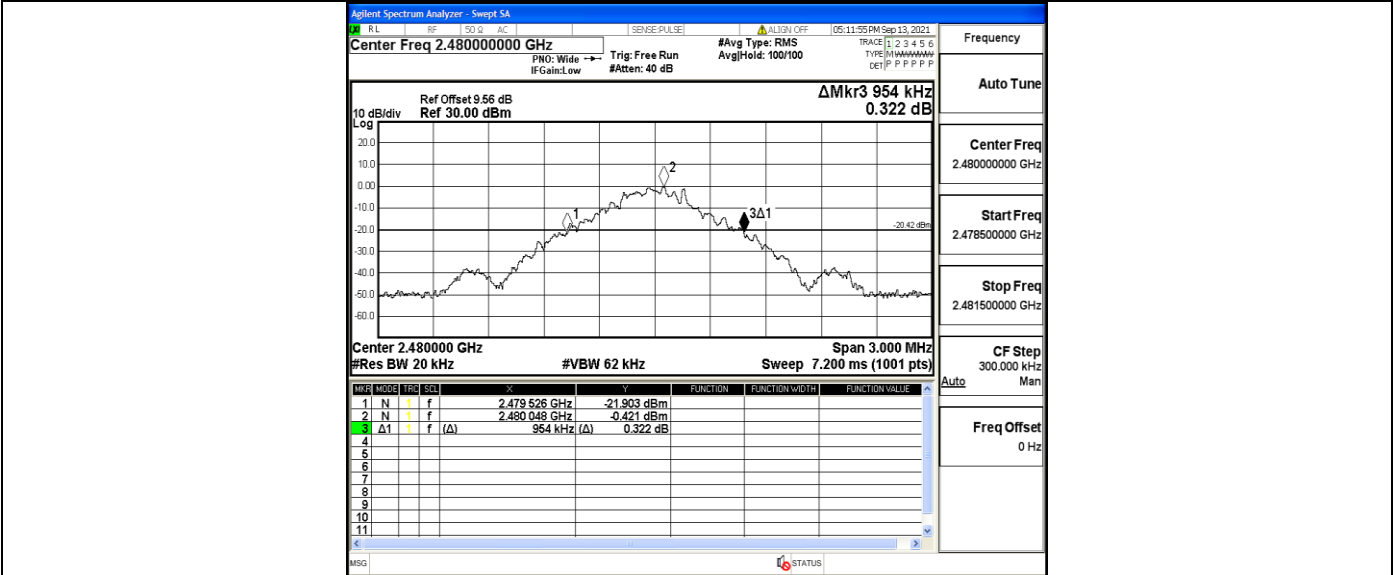
DH5_Ant1_2402



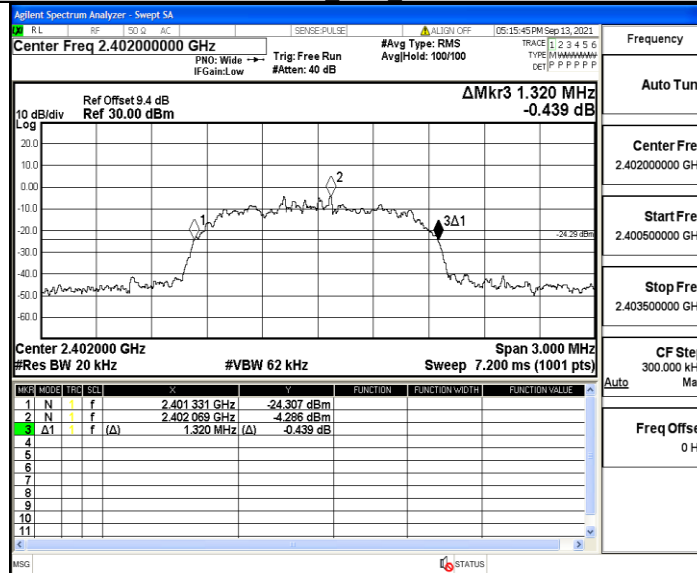
DH5_Ant1_2441



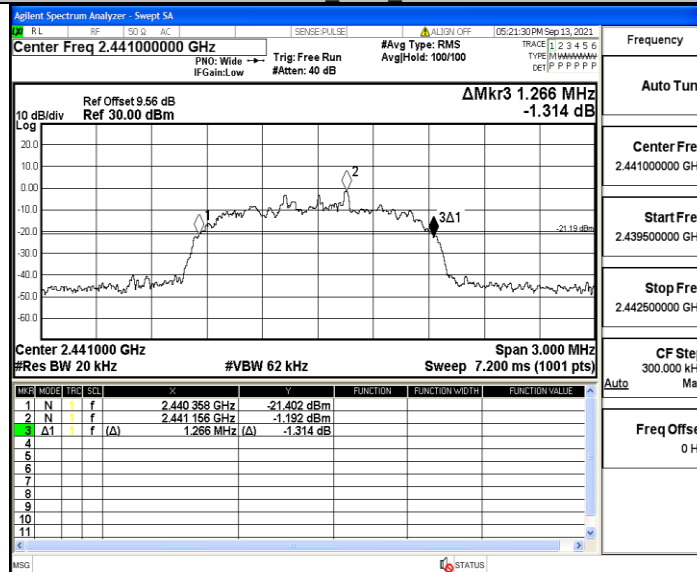
DH5_Ant1_2480



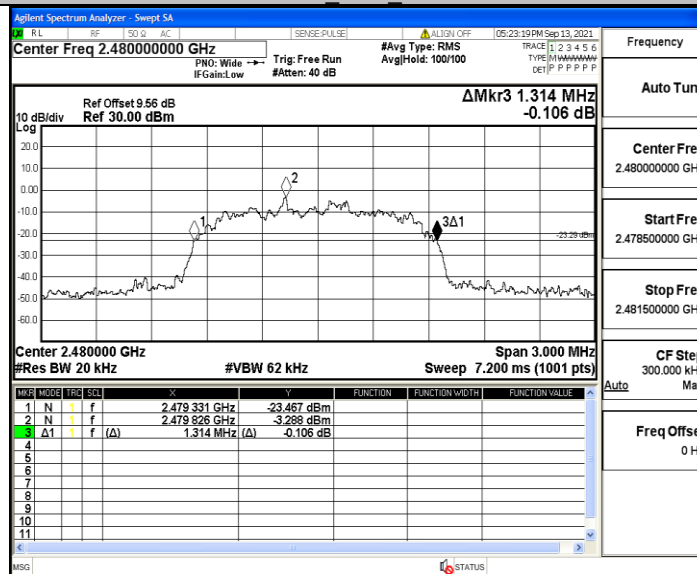
2DH5_Ant1_2402



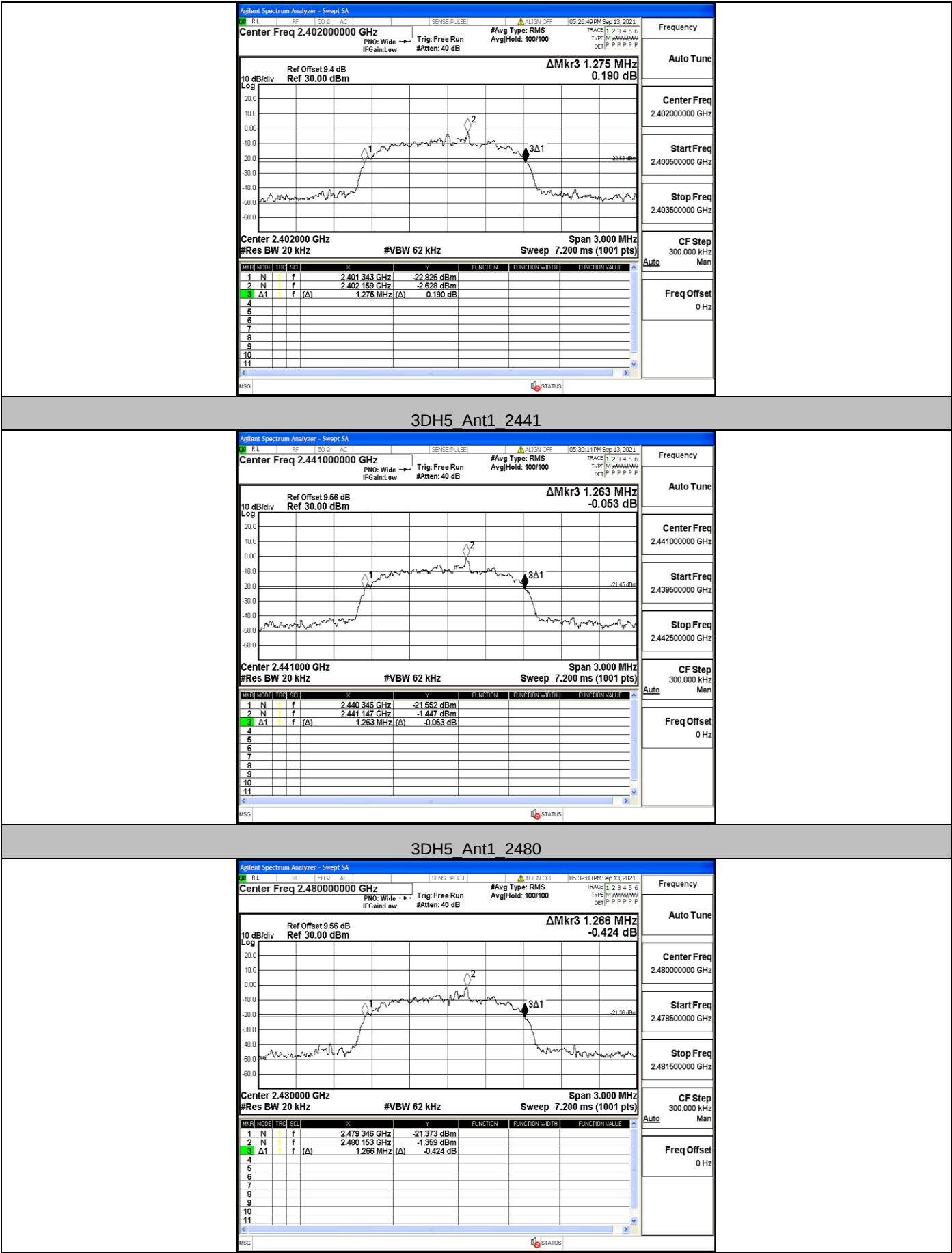
2DH5_Ant1_2441



2DH5_Ant1_2480

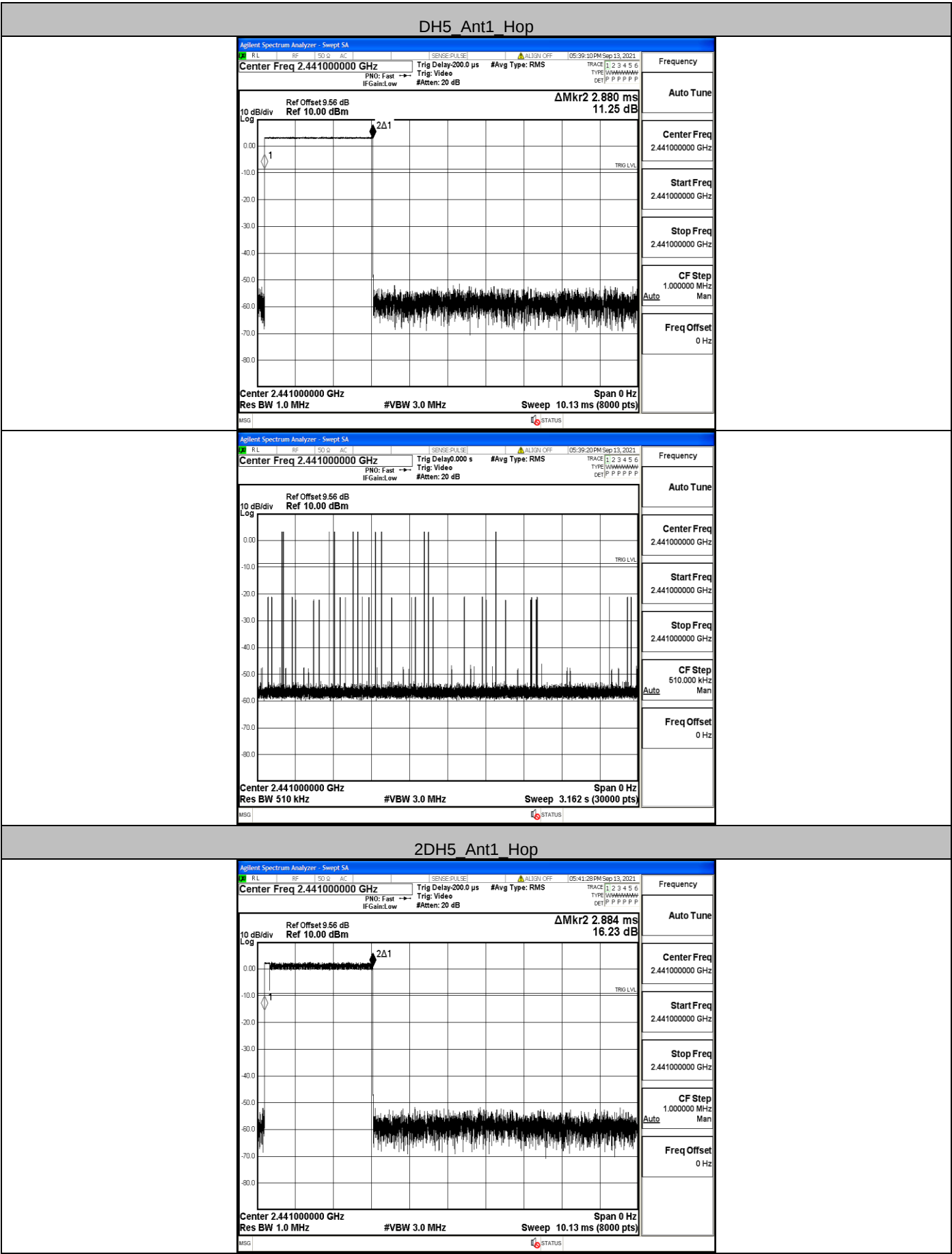


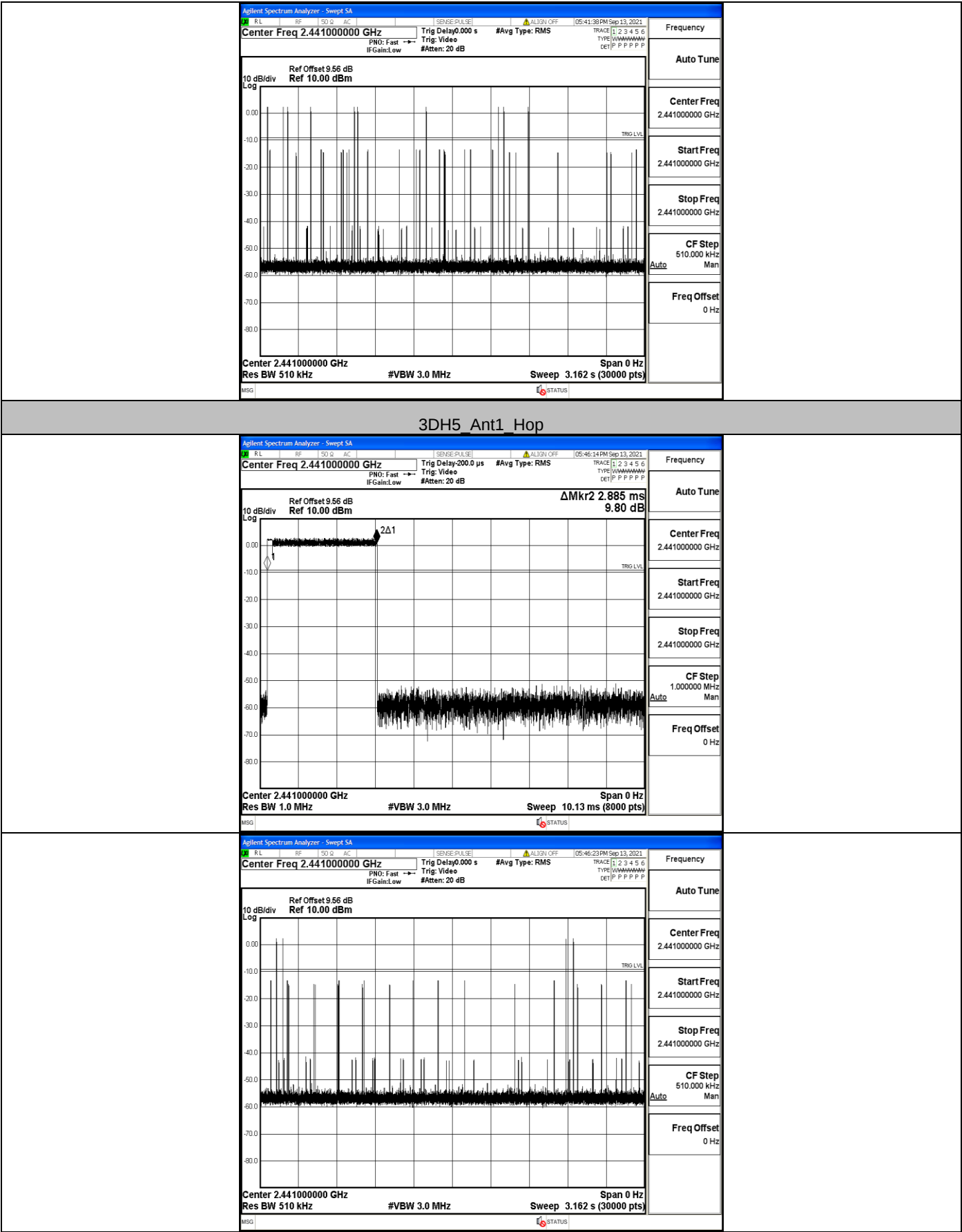
3DH5_Ant1_2402



A.2 Dwell Time

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	<=0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	<=0.4	PASS
3DH5	Ant1	Hop	2.89	50	0.144	<=0.4	PASS





Agilent Spectrum Analyzer - Sweep SA

RLRF50QACSENSE-PULSEALIGN OFF05:46:23 PM Sep 13, 2021

Center Freq 2.441000000 GHzTrig Delay 0.000 s#Avg Type: RMS

PNO: FastIFGain: Low#Atten: 20 dB

Frequency

Auto Tune

Center Freq2.441000000 GHz

Start Freq2.441000000 GHz

Stop Freq2.441000000 GHz

CF Step510.000 kHzAutoMan

Freq Offset0 Hz

Ref Offset 9.56 dBRef 10.00 dBm

10 dB/divLog

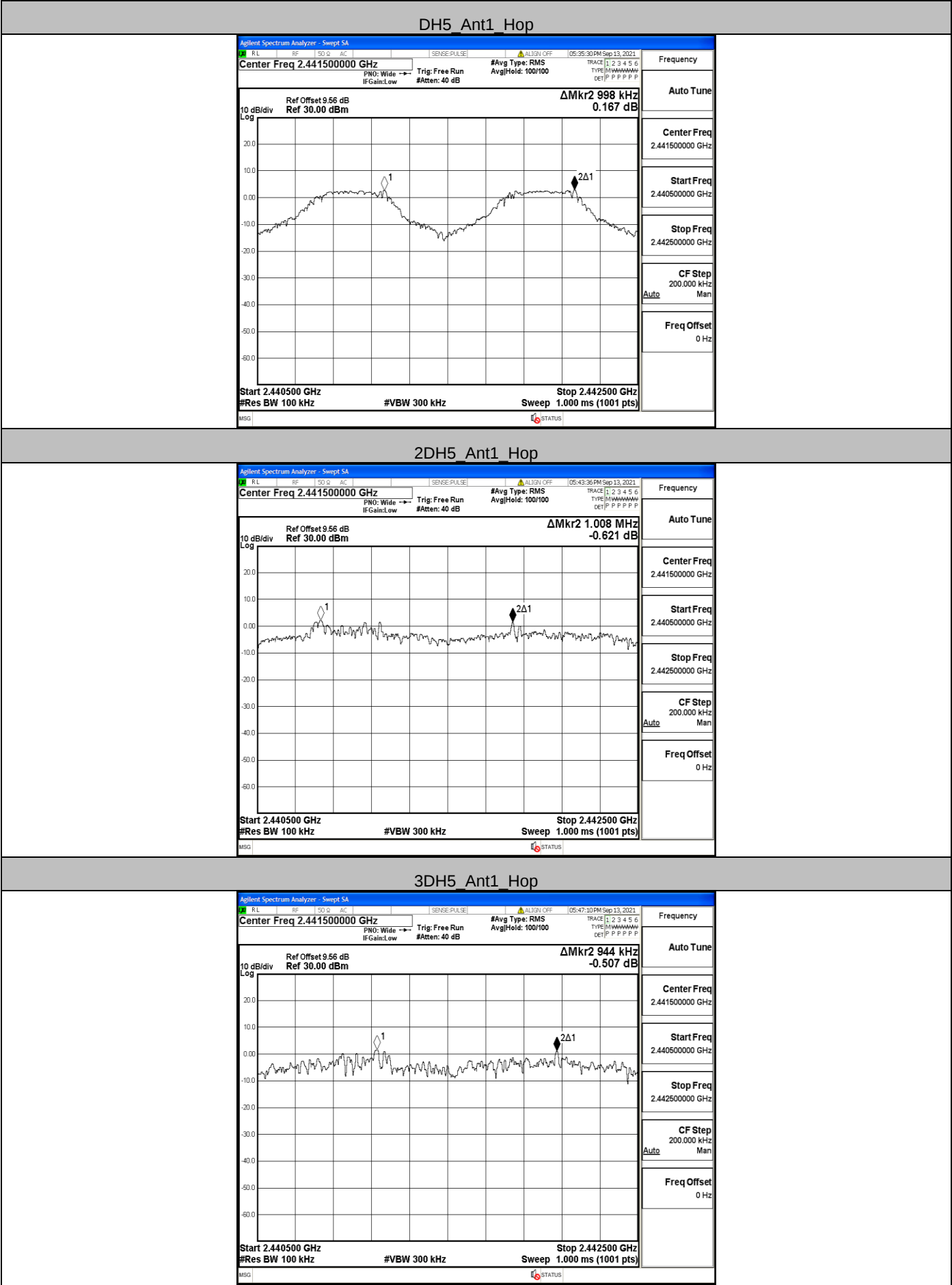
Center 2.441000000 GHzRes BW 510 kHz#VBW 3.0 MHzSweep 3.162 s (30000 pts)

MSGSTATUS

A.3 Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.954	PASS
2DH5	Ant1	Hop	1.008	≥ 0.880	PASS
3DH5	Ant1	Hop	0.944	≥ 0.850	PASS

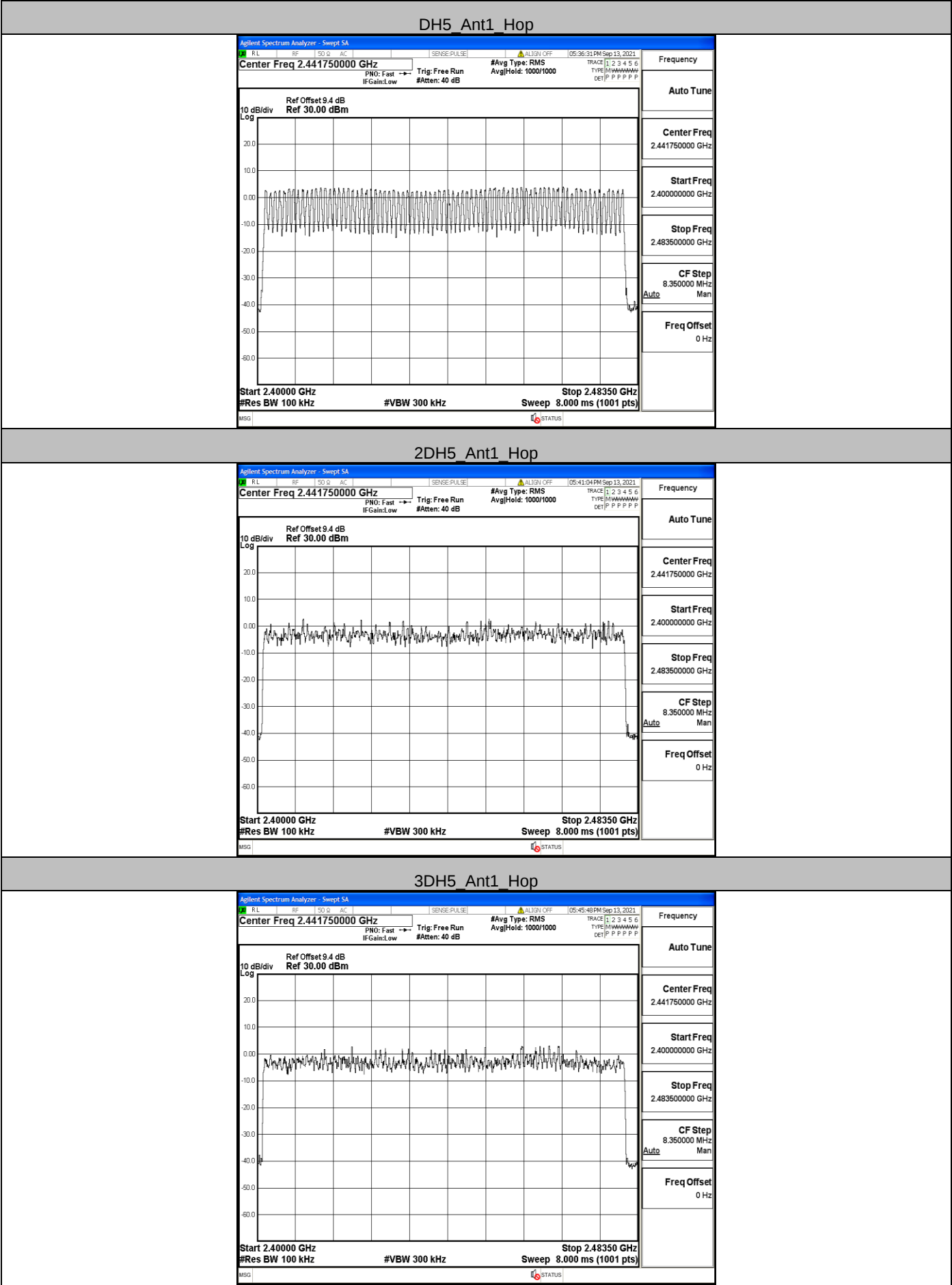
Test Graph



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

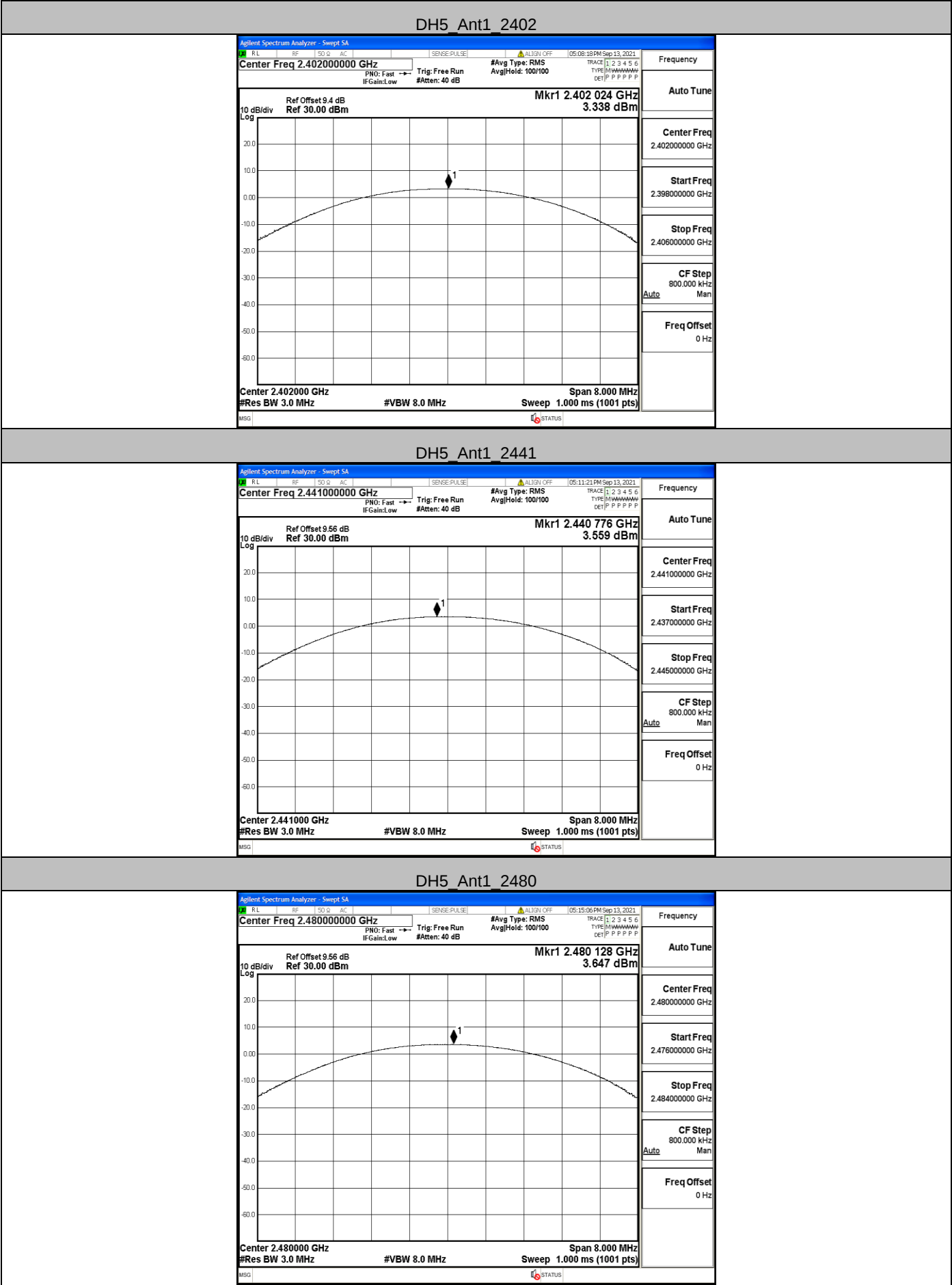
Test Graph

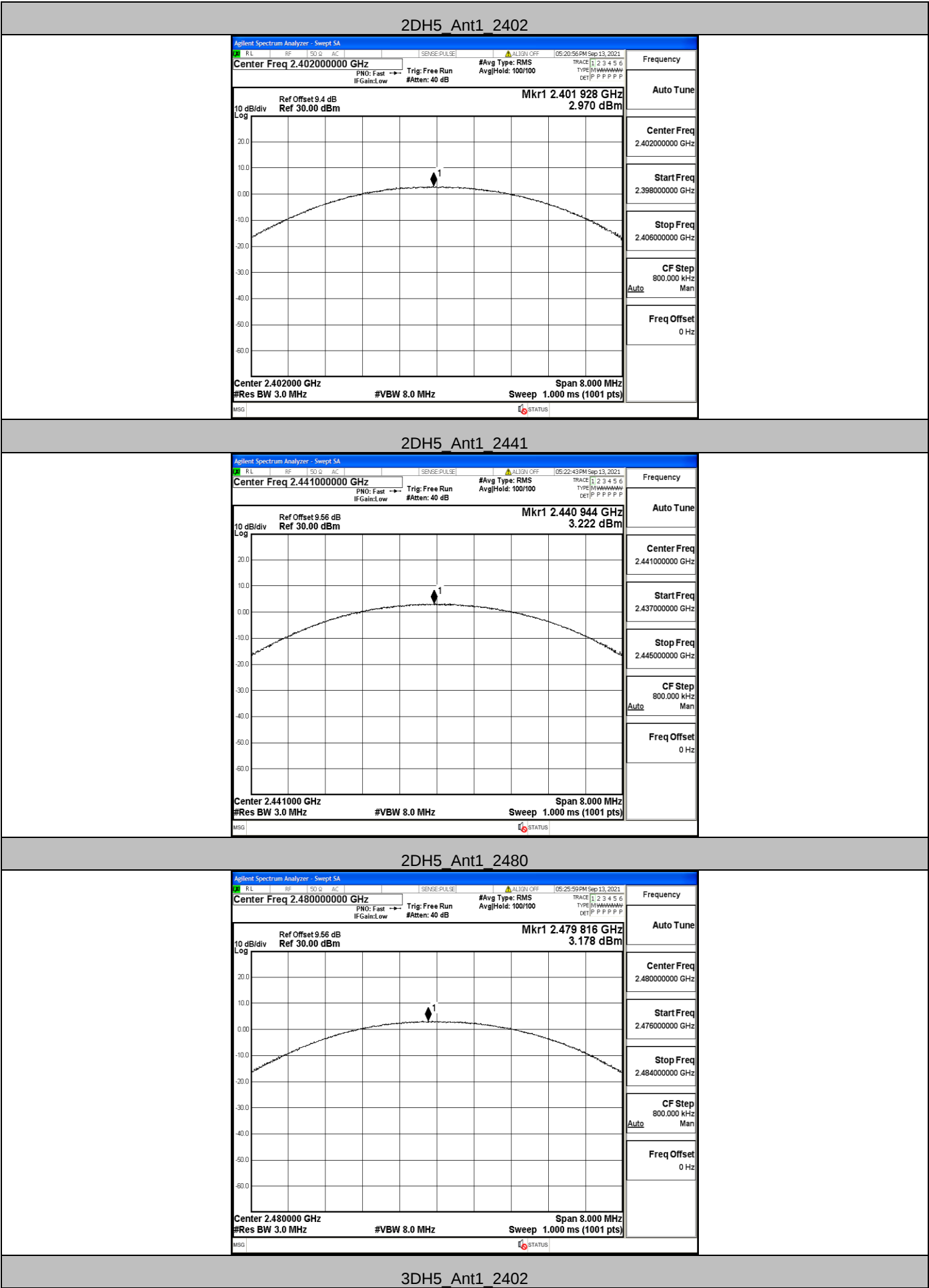


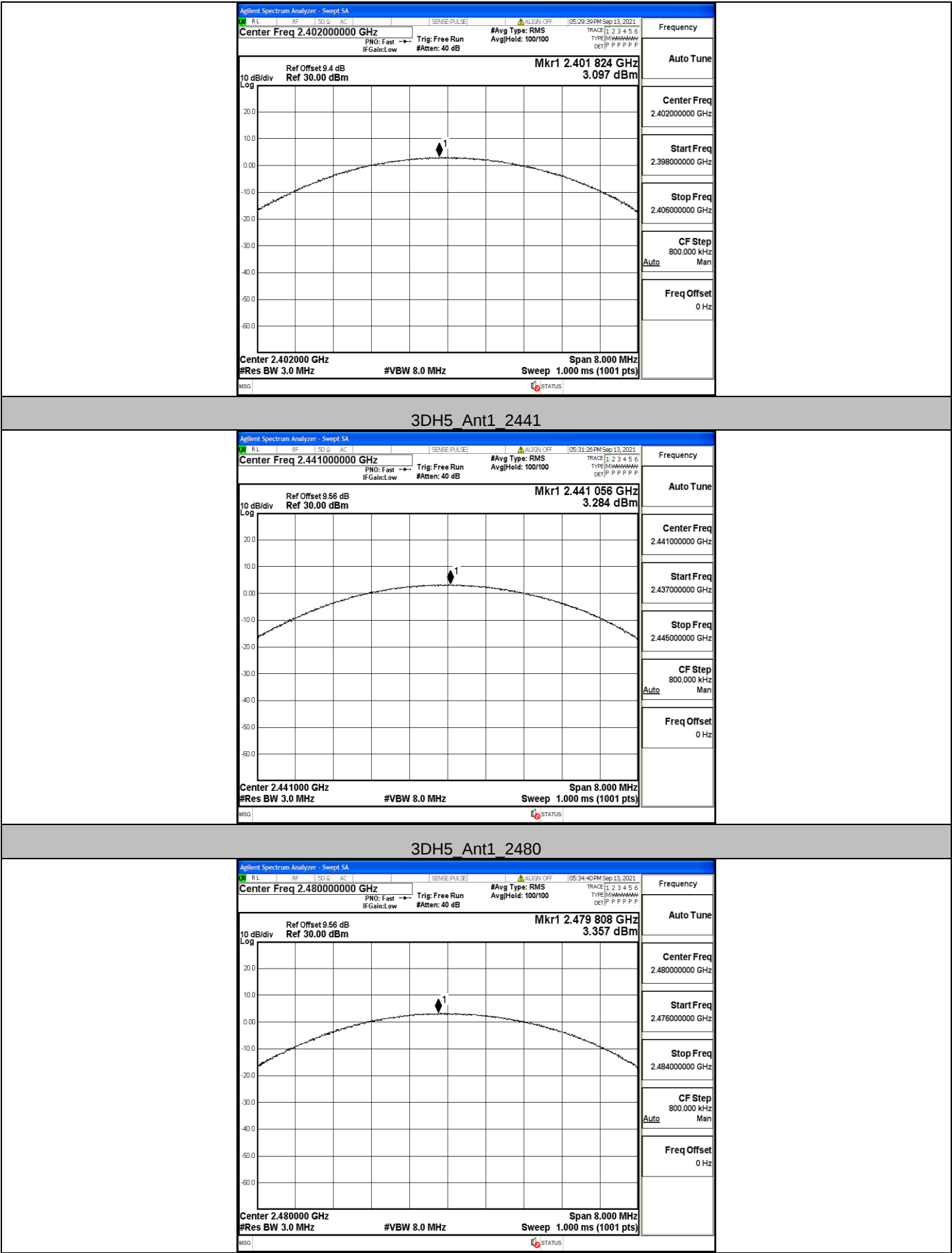
A.5 Conducted Peak Output Power

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	3.34	30	PASS
GFSK	MCH	3.56	30	PASS
GFSK	HCH	3.65	30	PASS
$\pi/4$ DQPSK	LCH	2.97	20.97	PASS
$\pi/4$ DQPSK	MCH	3.22	20.97	PASS
$\pi/4$ DQPSK	HCH	3.18	20.97	PASS
8DPSK	LCH	3.1	20.97	PASS
8DPSK	MCH	3.28	20.97	PASS
8DPSK	HCH	3.36	20.97	PASS

Test Graph





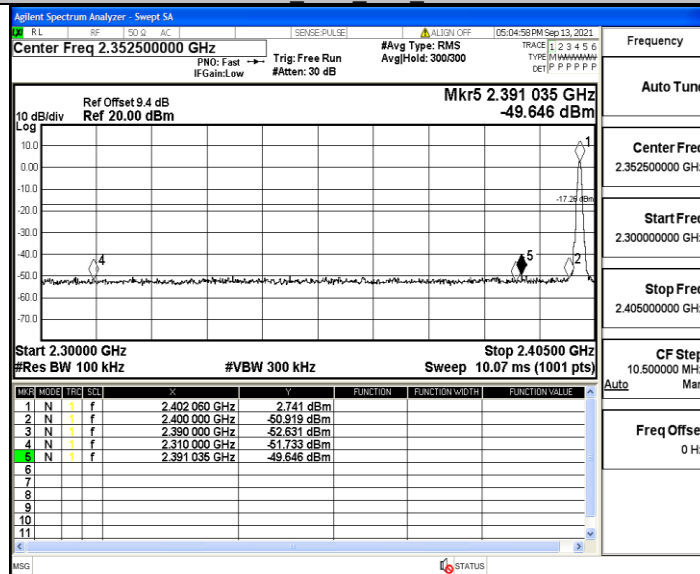


A.6 Band-edge for RF Conducted Emissions

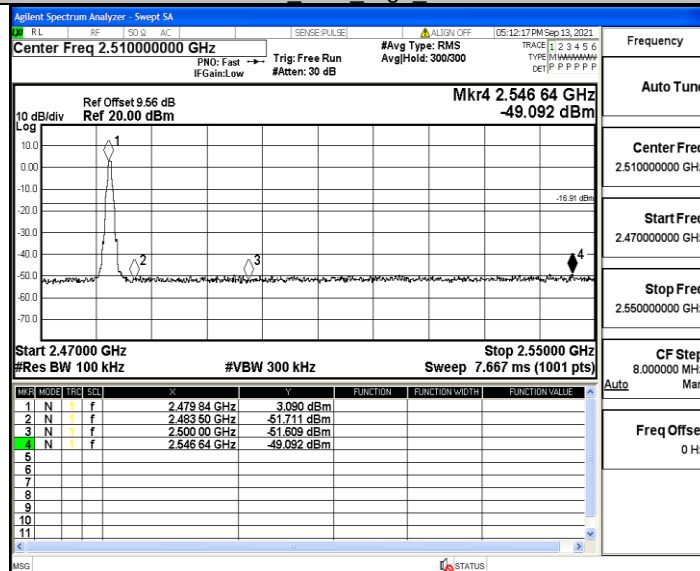
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.74	-49.65	≤ -17.26	PASS
		High	2480	3.09	-49.09	≤ -16.91	PASS
		Low	Hop_2402	2.31	-49.68	≤ -17.69	PASS
		High	Hop_2480	3.29	-49.2	≤ -16.72	PASS
2DH5	Ant1	Low	2402	1.85	-49.51	≤ -18.15	PASS
		High	2480	2.26	-47.7	≤ -17.74	PASS
		Low	Hop_2402	0.62	-49.28	≤ -19.38	PASS
		High	Hop_2480	-1.36	-49.06	≤ -21.36	PASS
3DH5	Ant1	Low	2402	1.83	-49.33	≤ -18.17	PASS
		High	2480	2.17	-48.69	≤ -17.84	PASS
		Low	Hop_2402	-4.61	-50.06	≤ -24.61	PASS
		High	Hop_2480	-0.66	-49.08	≤ -20.66	PASS

Test Graph

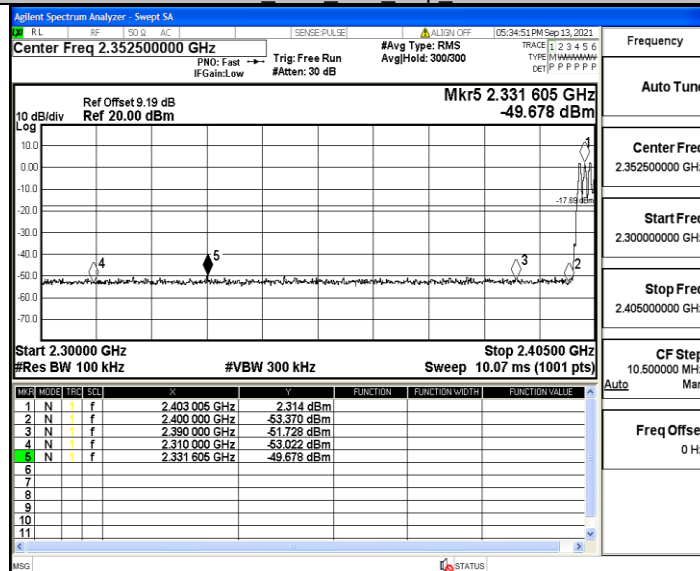
DH5_Ant1_Low_2402



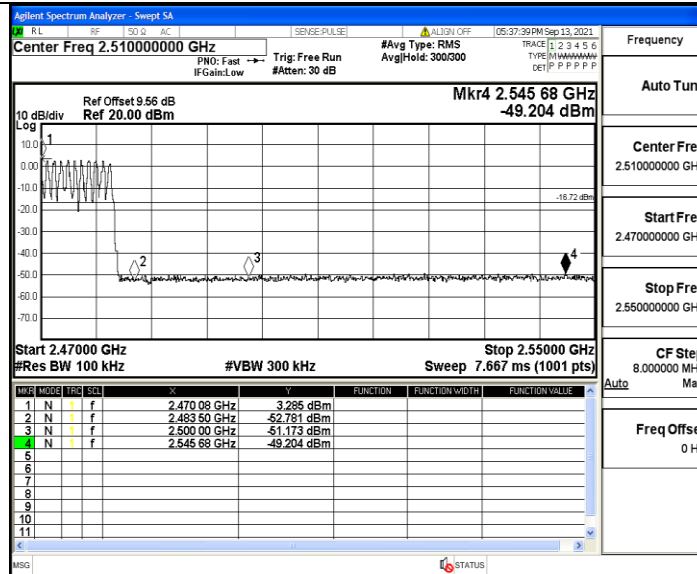
DH5_Ant1_High_2480



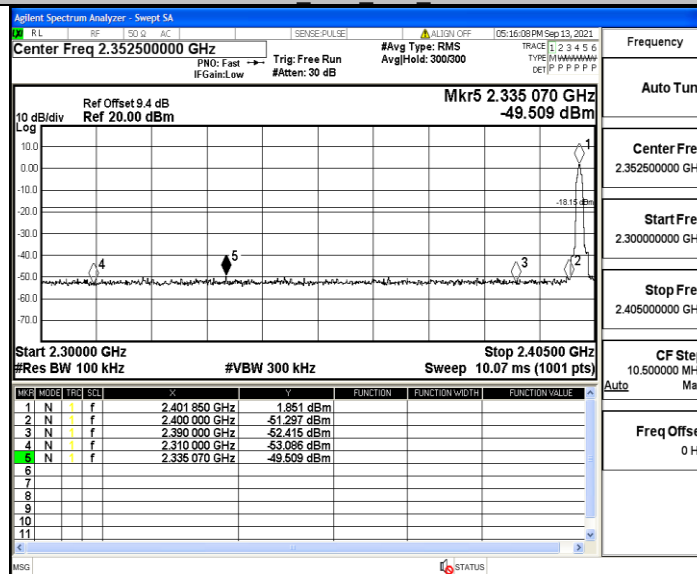
DH5_Ant1_Low_Hop_2402



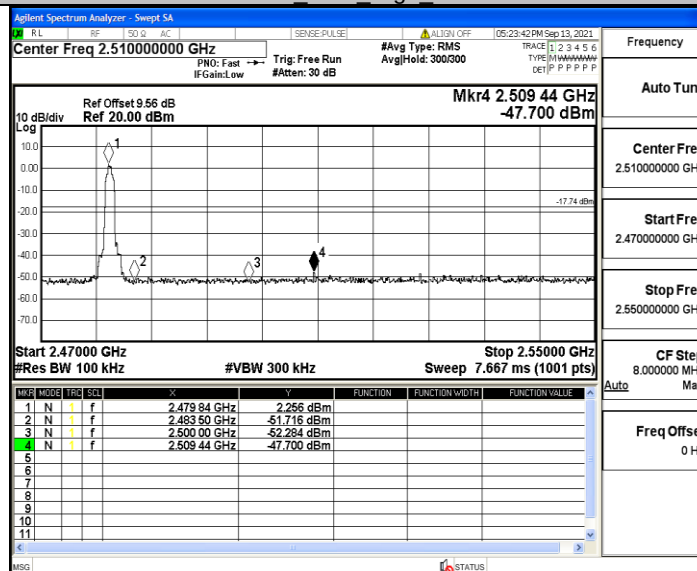
DH5_Ant1_High_Hop_2480



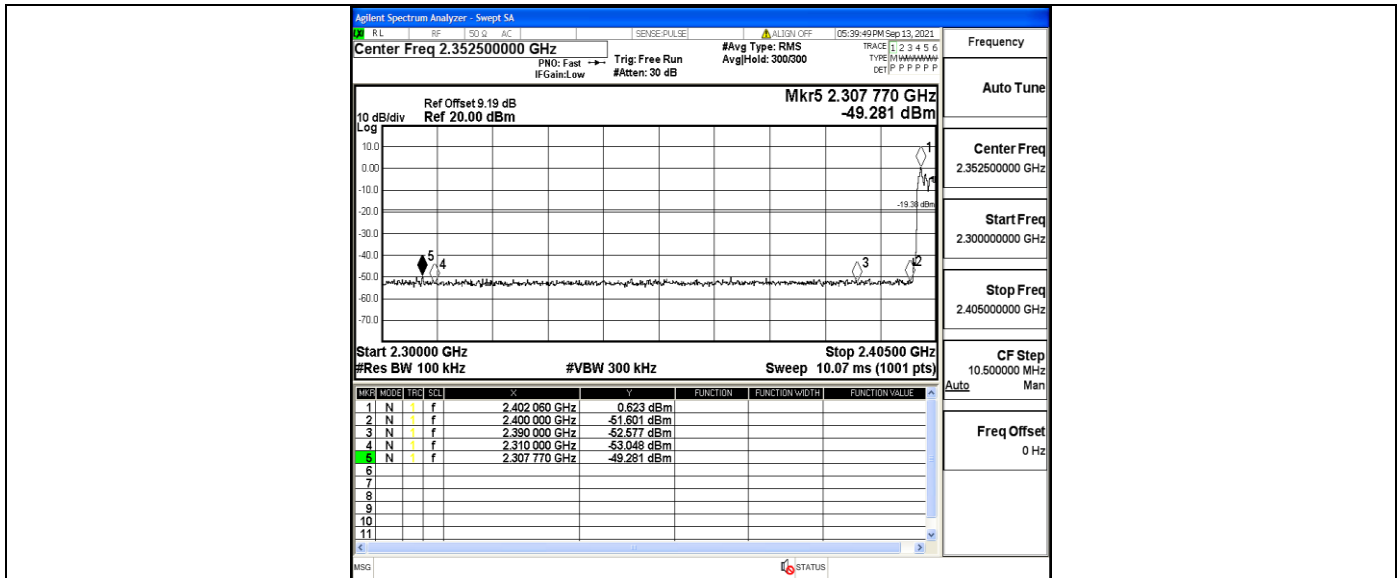
2DH5_Ant1_Low_2402



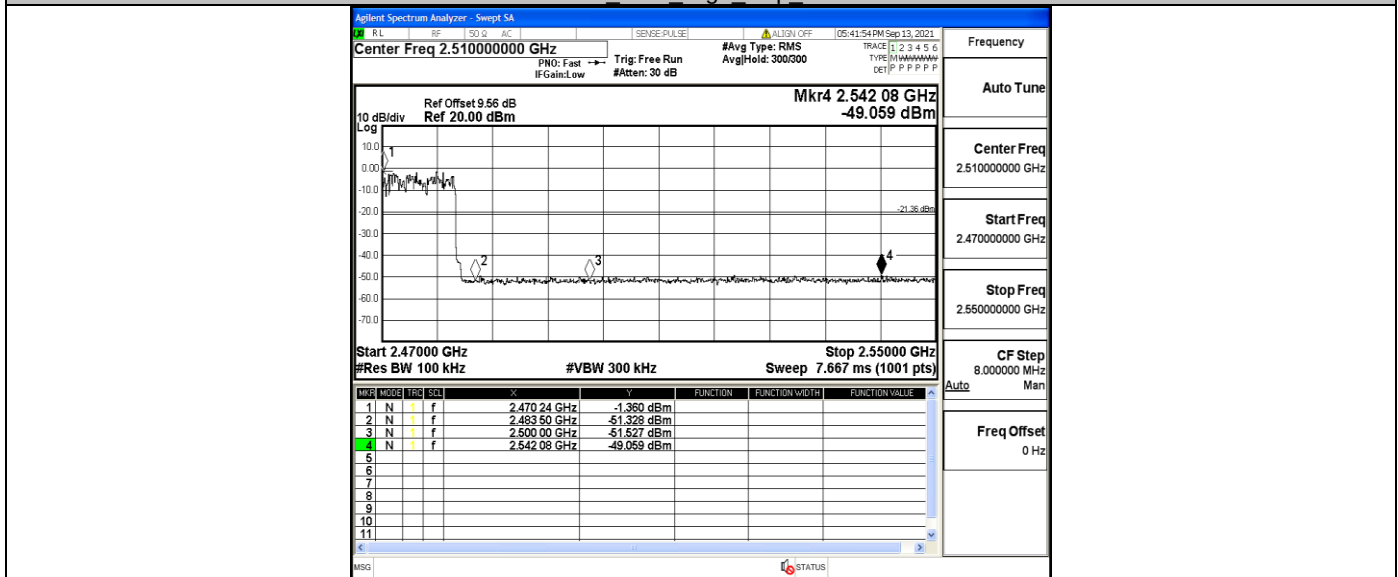
2DH5_Ant1_High_2480



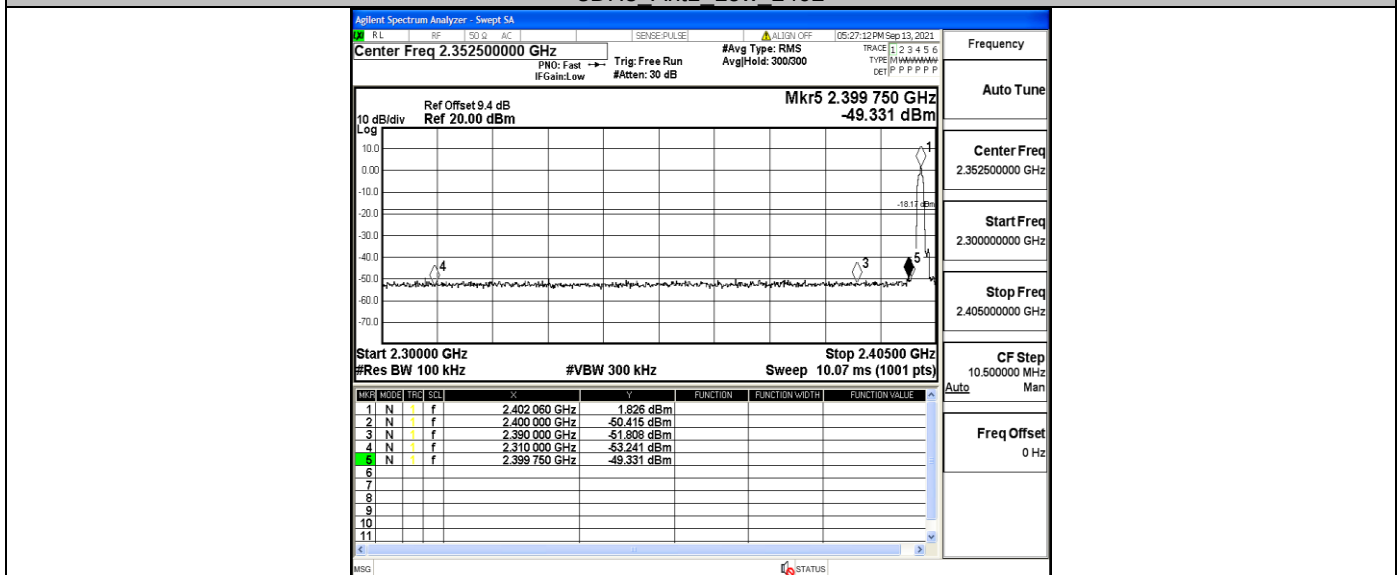
2DH5_Ant1_Low_Hop_2402



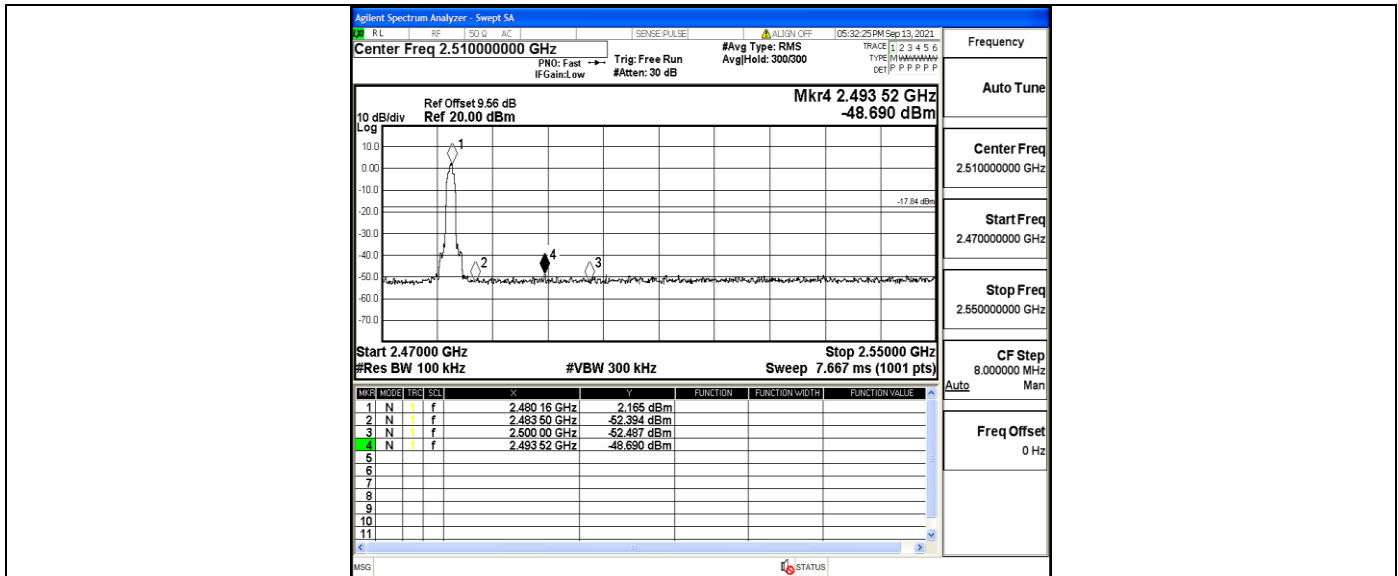
2DH5 Ant1 High Hop 2480



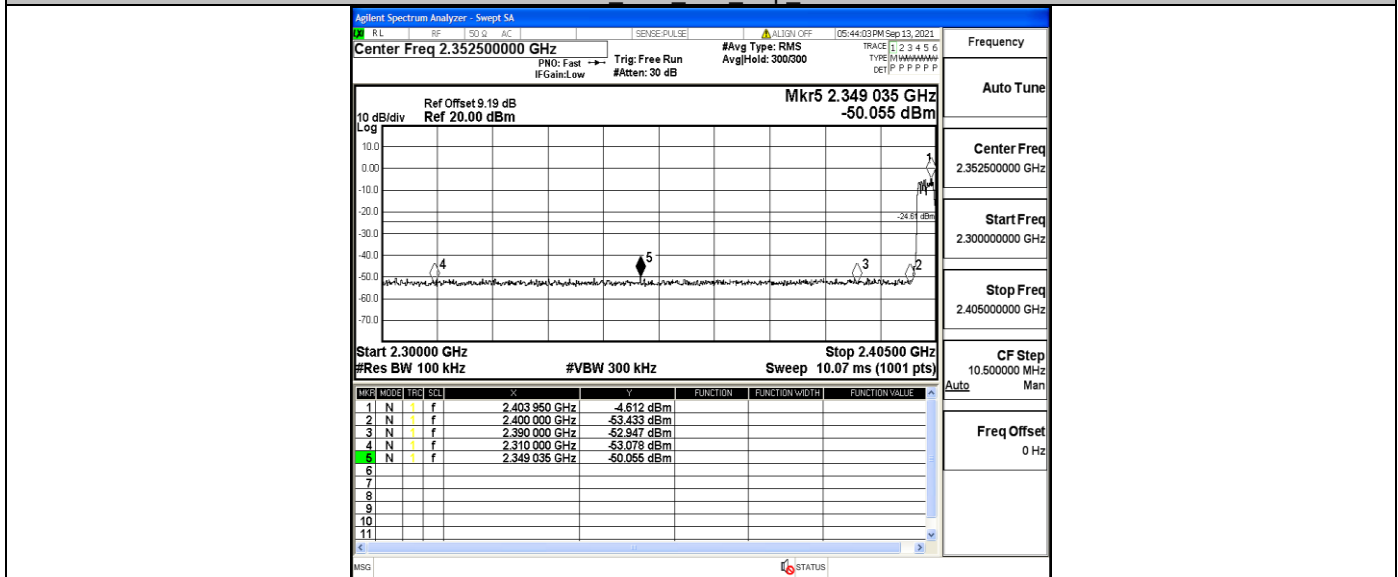
3DH5 Ant1 Low 2402



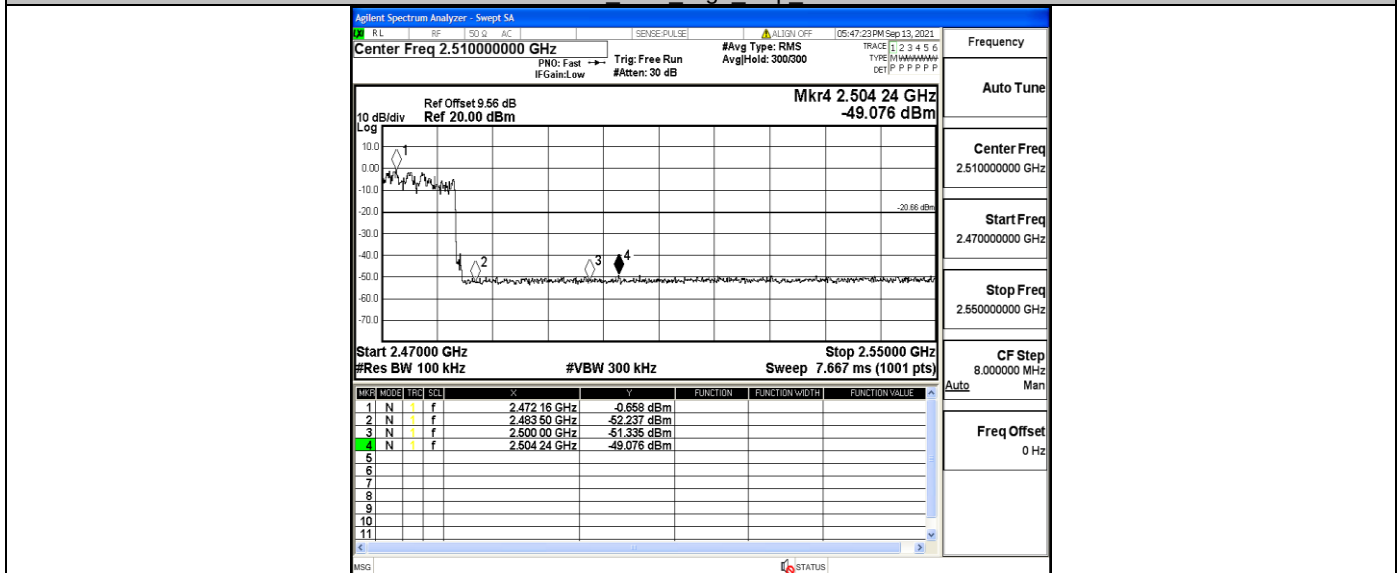
3DH5 Ant1 High 2480



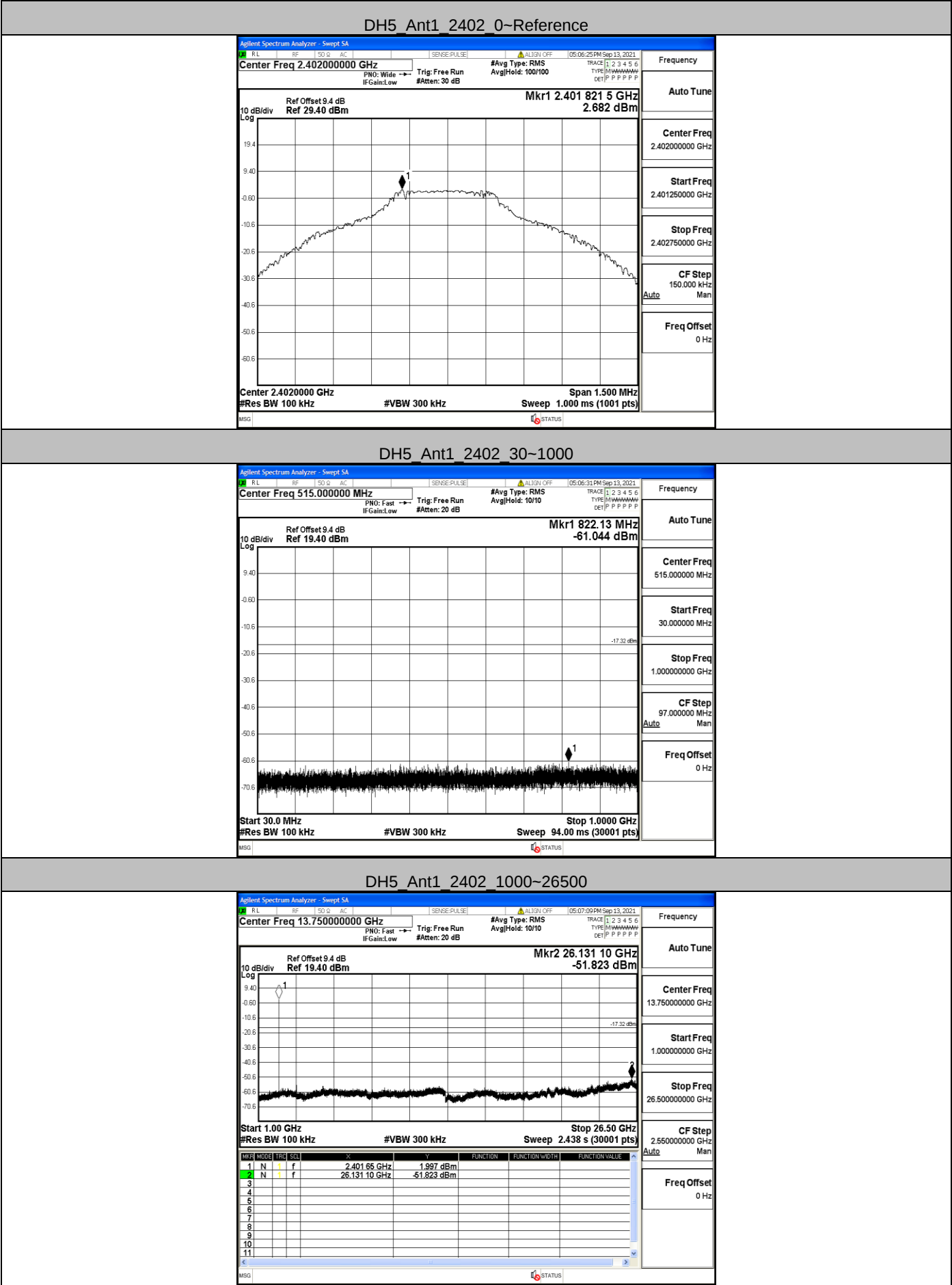
3DH5 Ant1 Low Hop 2402

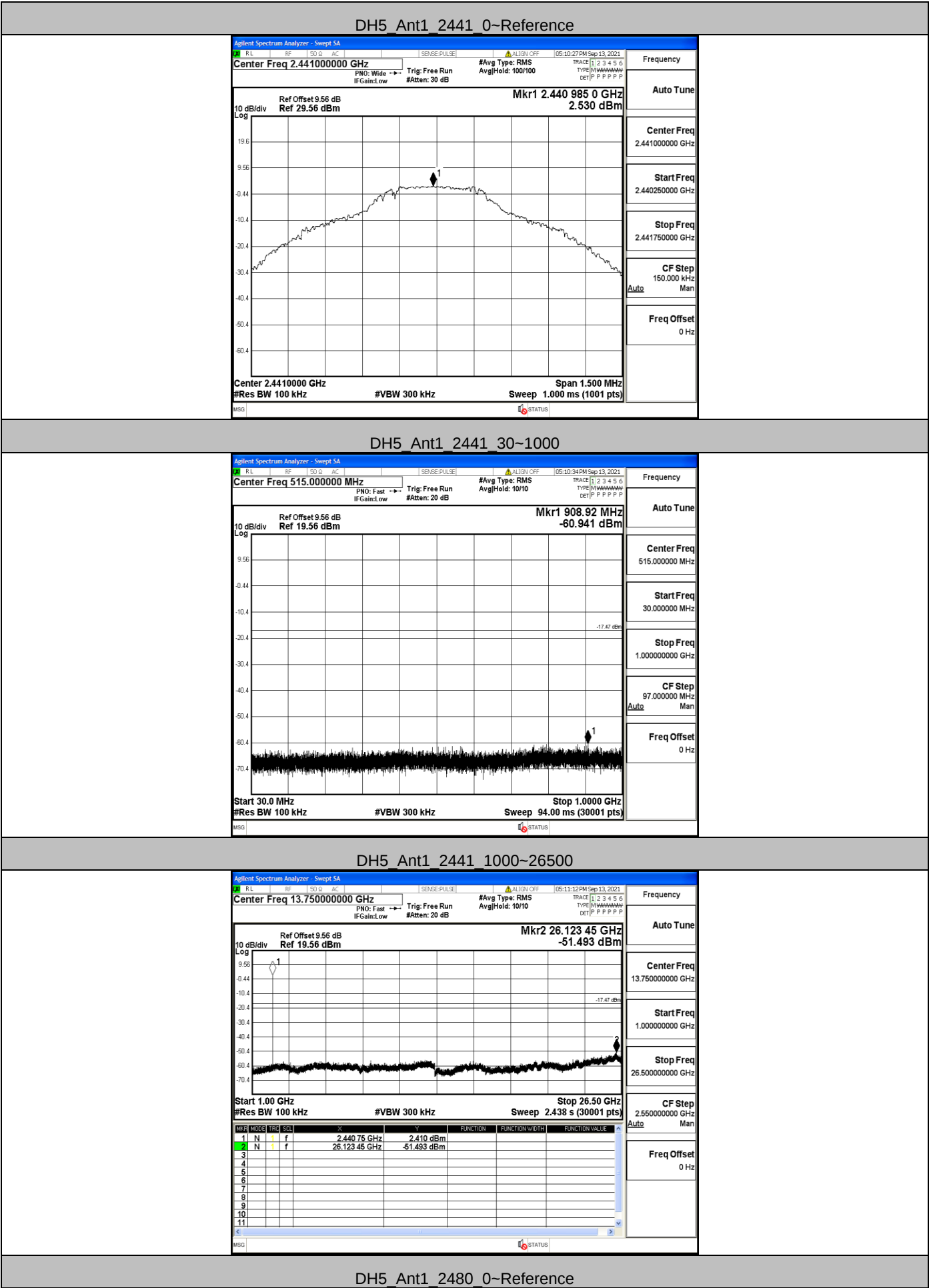


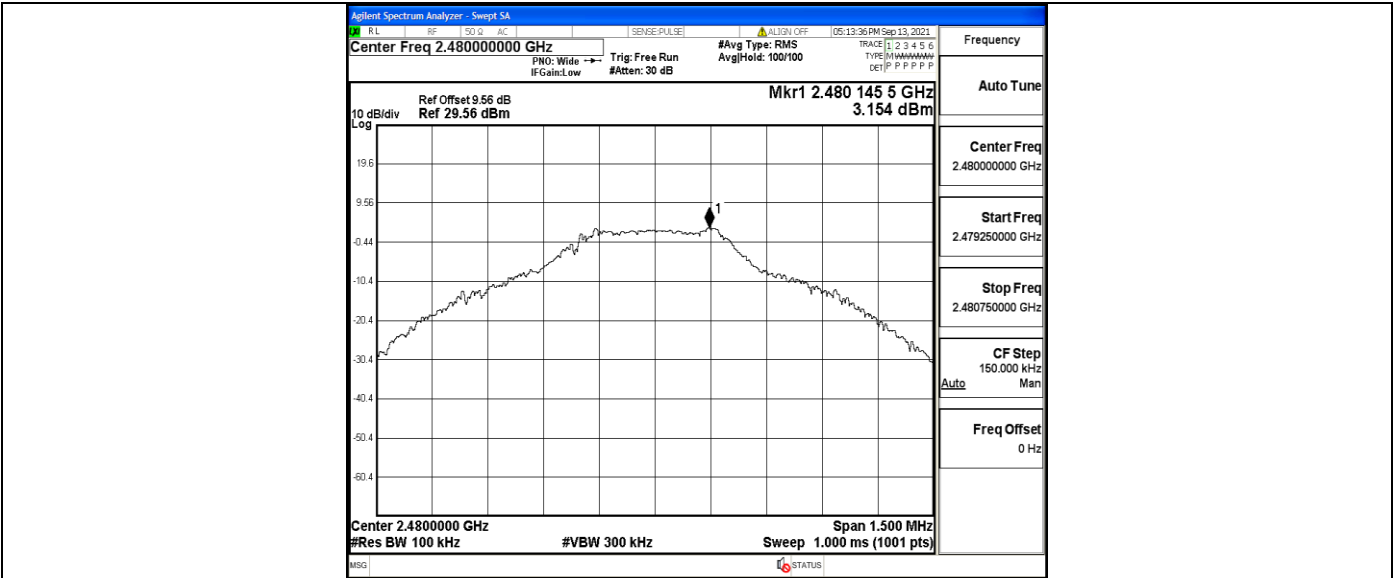
3DH5 Ant1 High Hop 2480



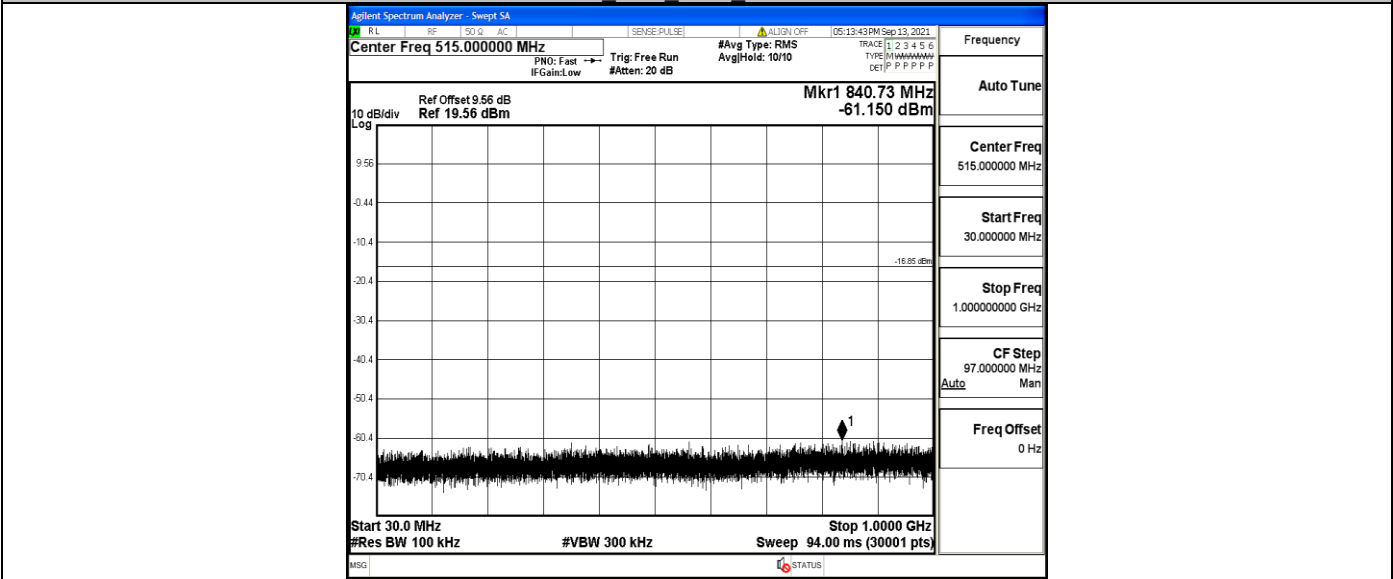
A.7 RF Conducted Spurious Emissions



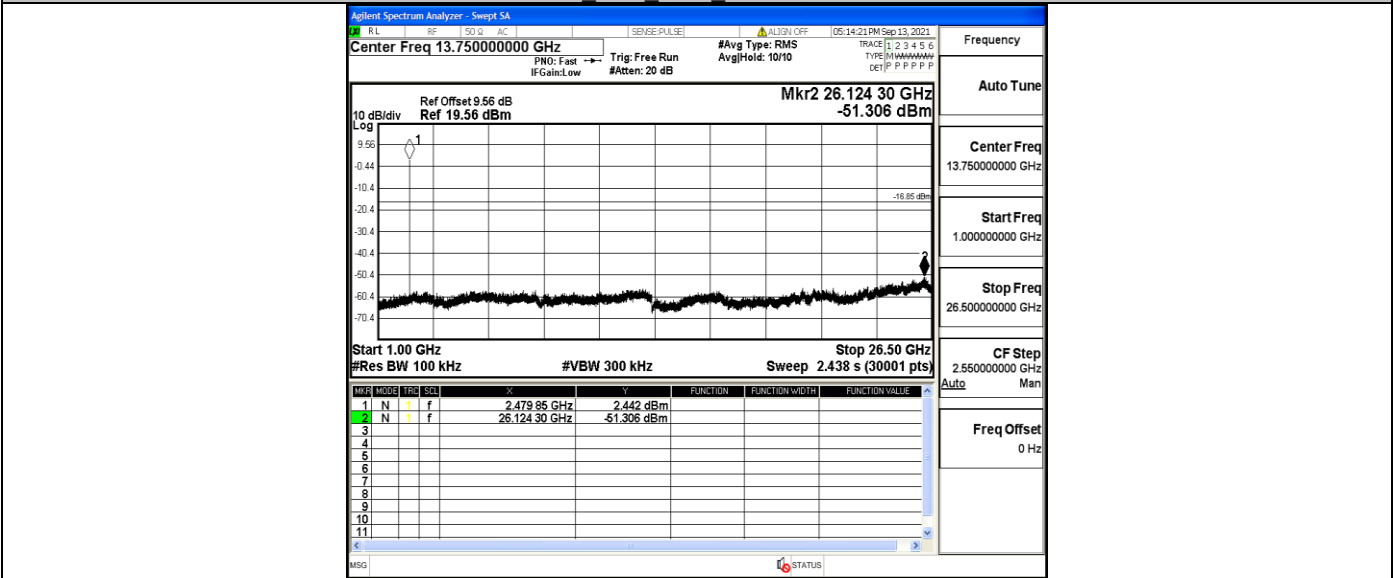




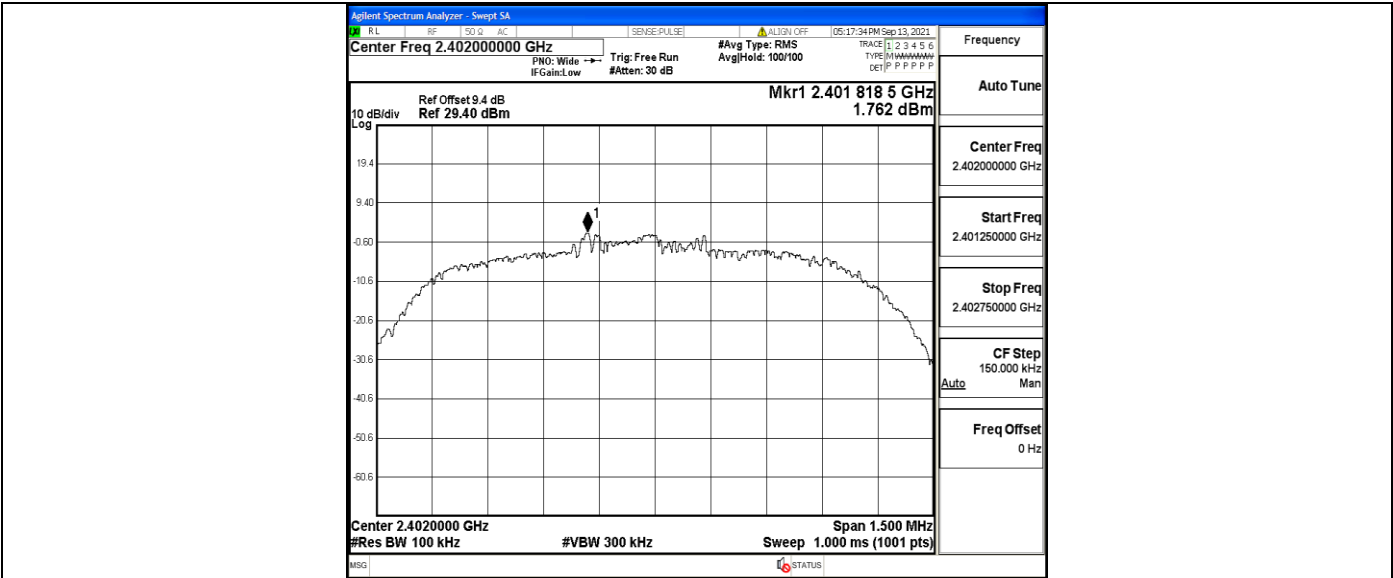
DH5_Ant1_2480_30~1000



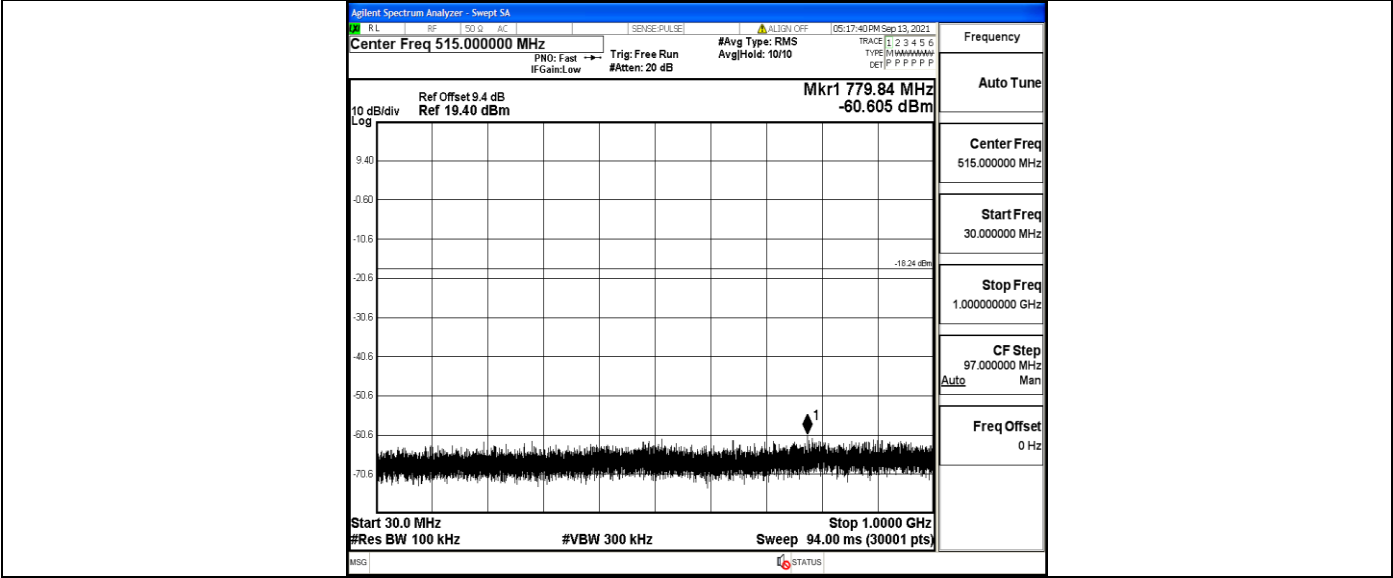
DH5_Ant1_2480_1000~26500



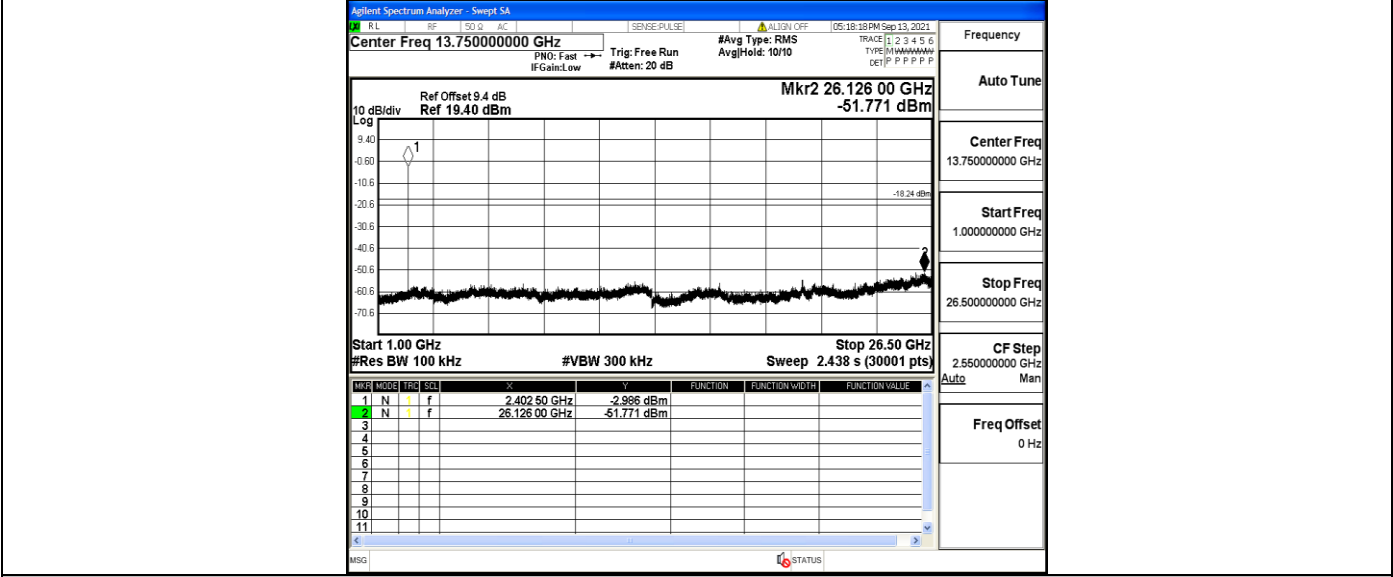
2DH5_Ant1_2402_0~Reference



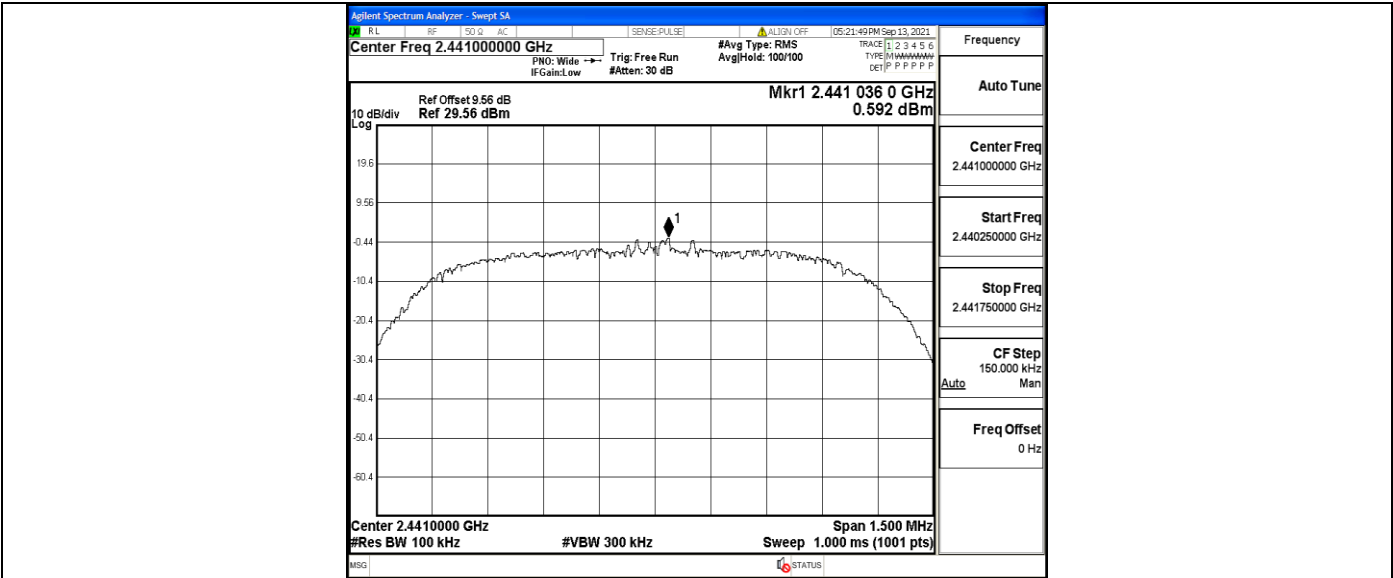
2DH5_Ant1_2402_30~1000



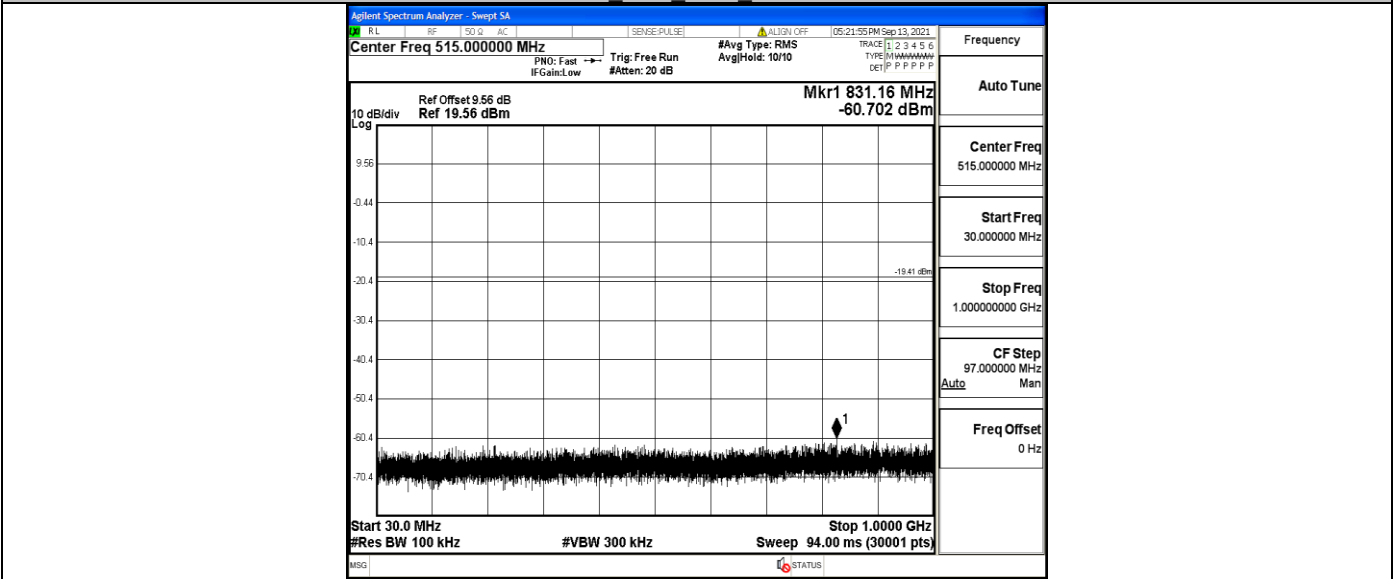
2DH5_Ant1_2402_1000~26500



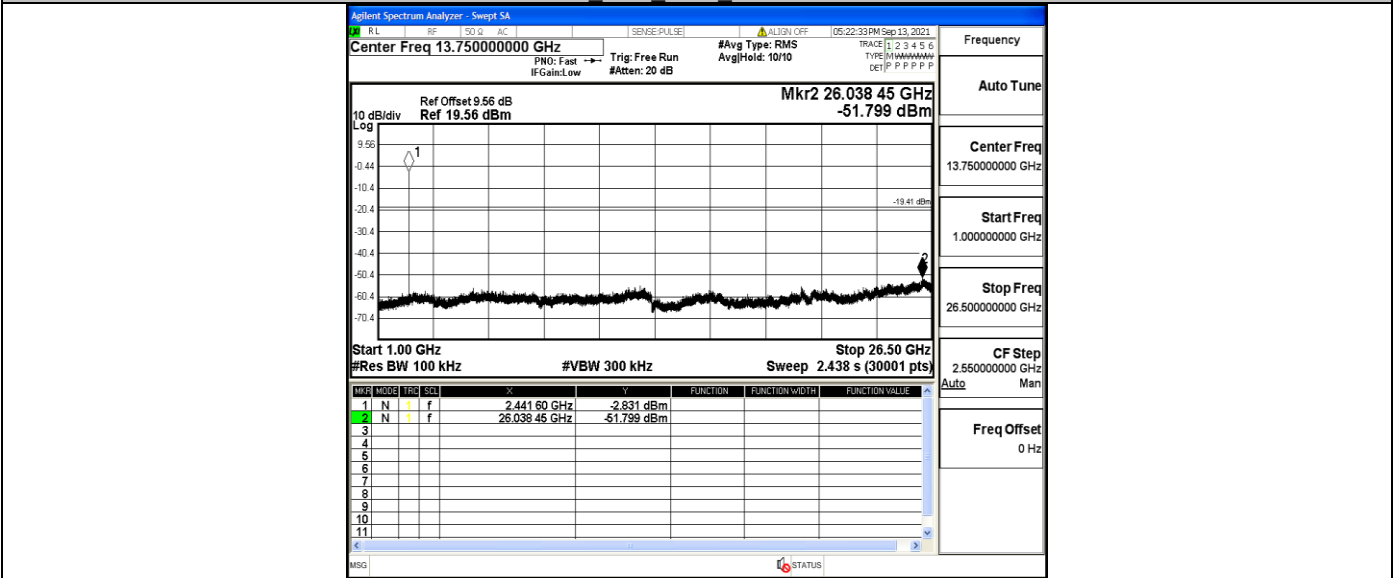
2DH5_Ant1_2441_0~Reference



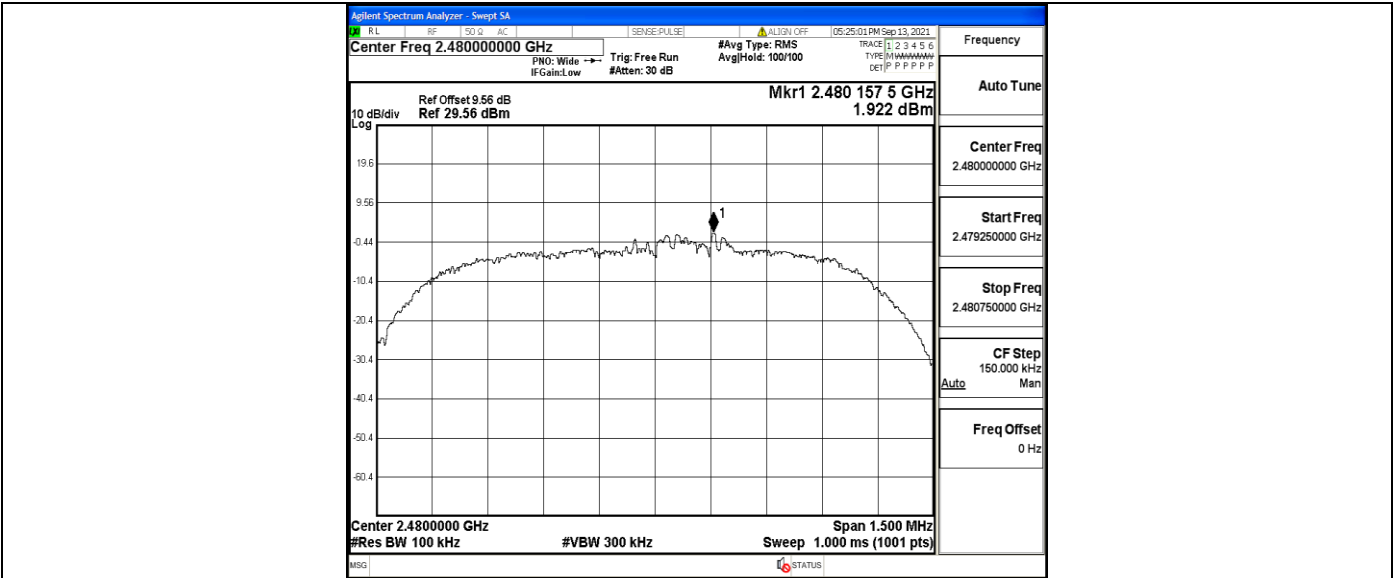
2DH5_Ant1_2441_30~1000



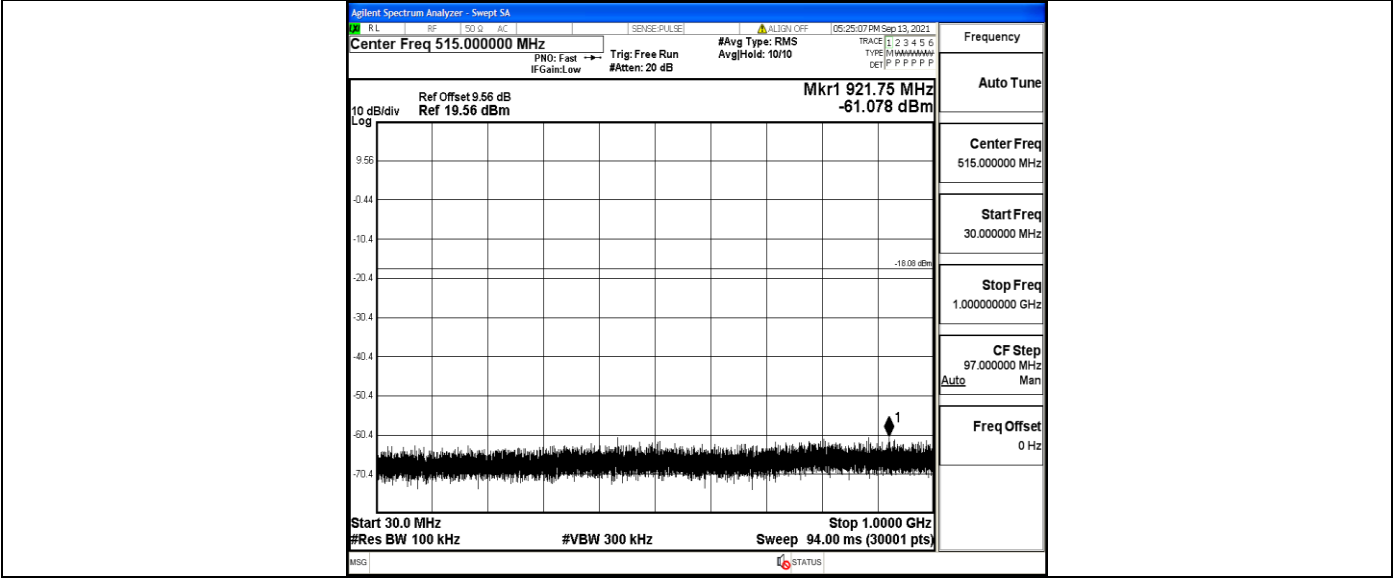
2DH5_Ant1_2441_1000~26500



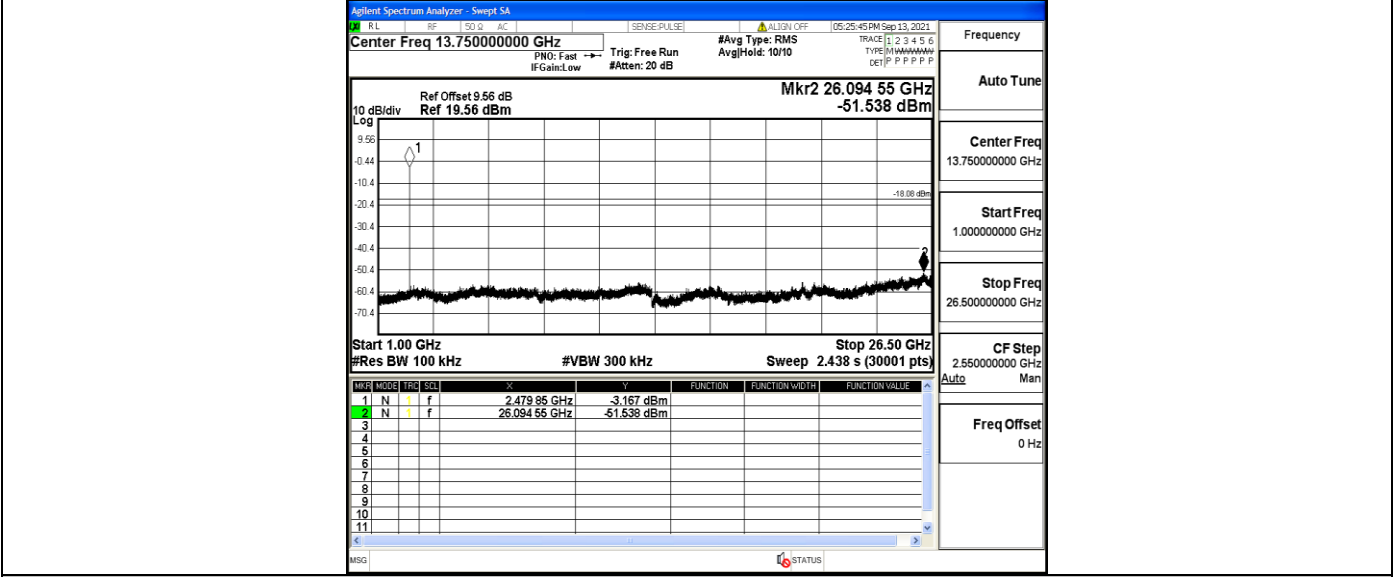
2DH5_Ant1_2480_0~Reference



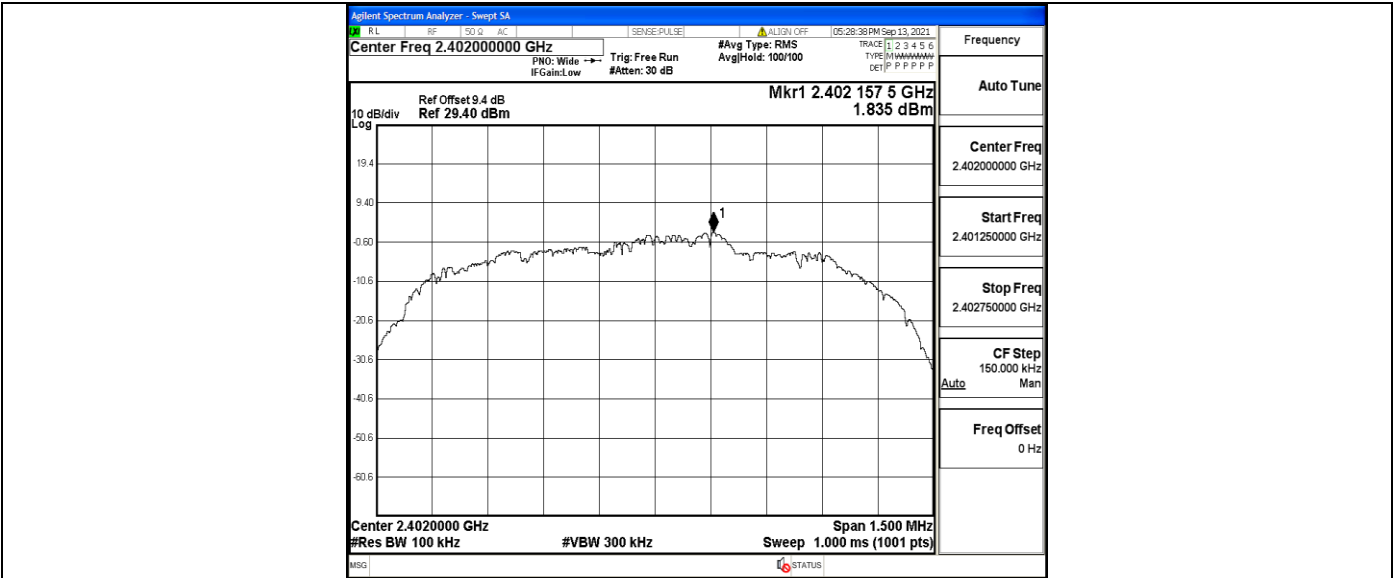
2DH5_Ant1_2480_30~1000



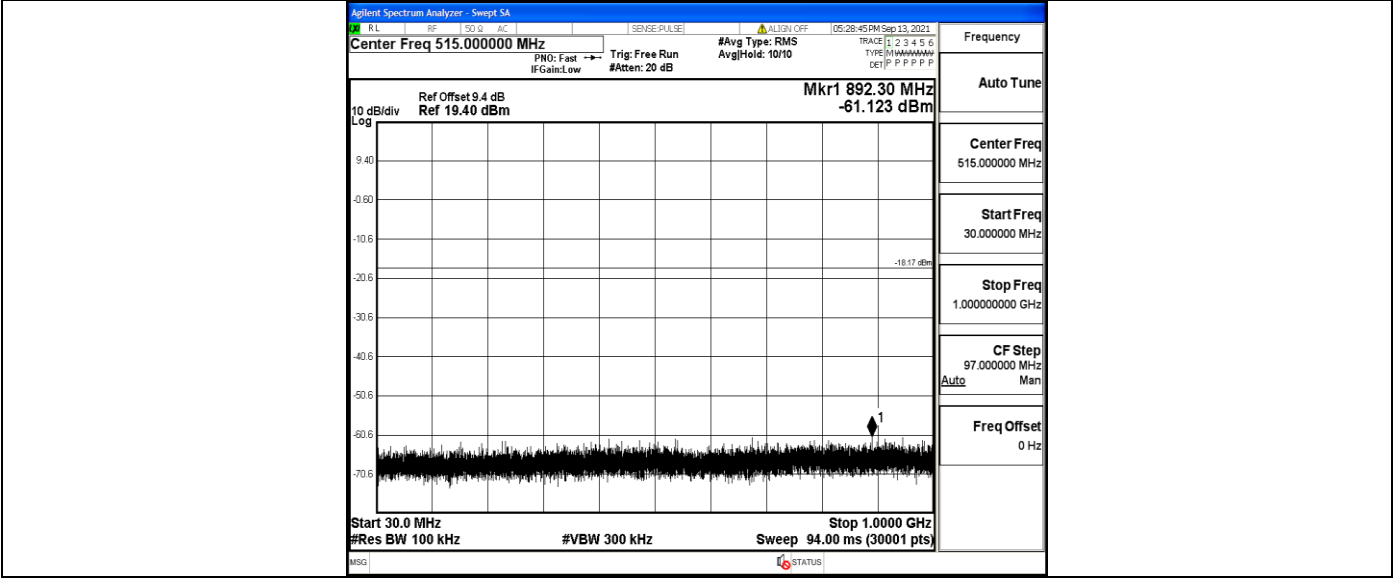
2DH5_Ant1_2480_1000~26500



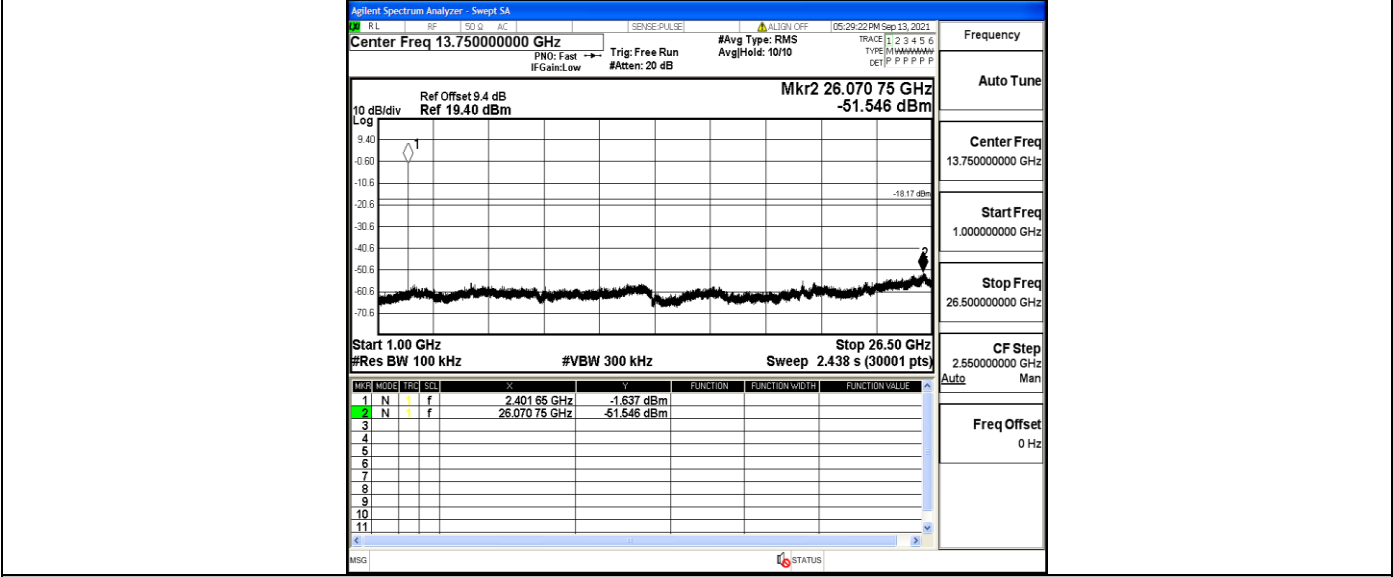
3DH5_Ant1_2402_0~Reference



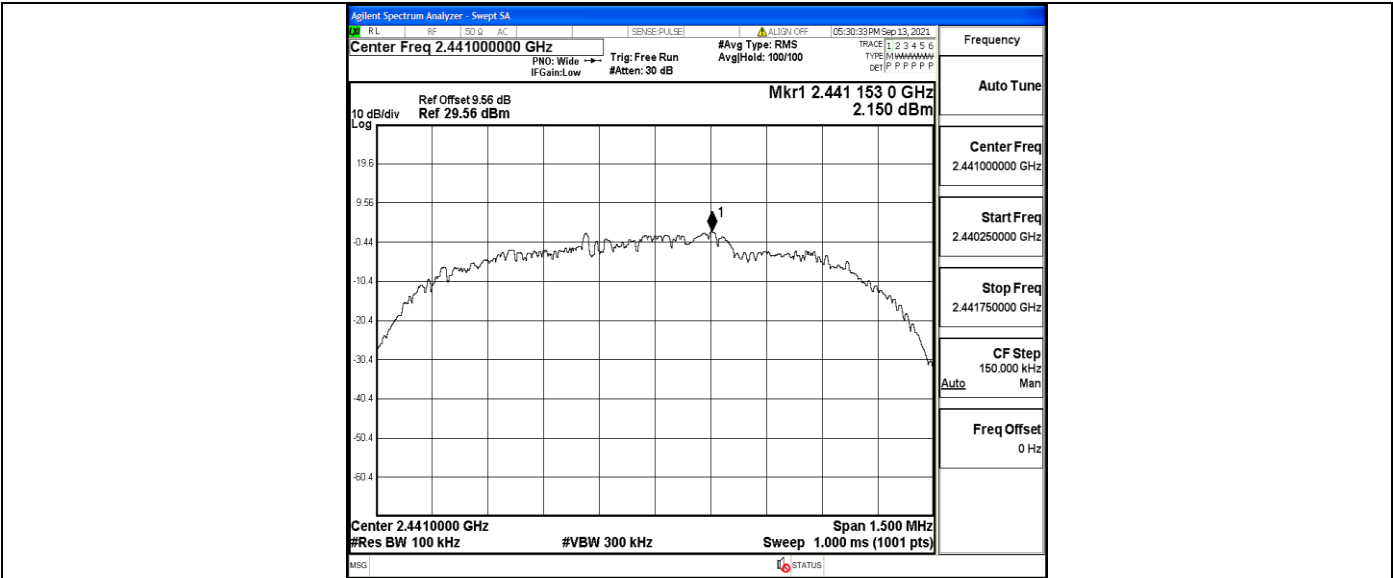
3DH5_Ant1_2402_30~1000



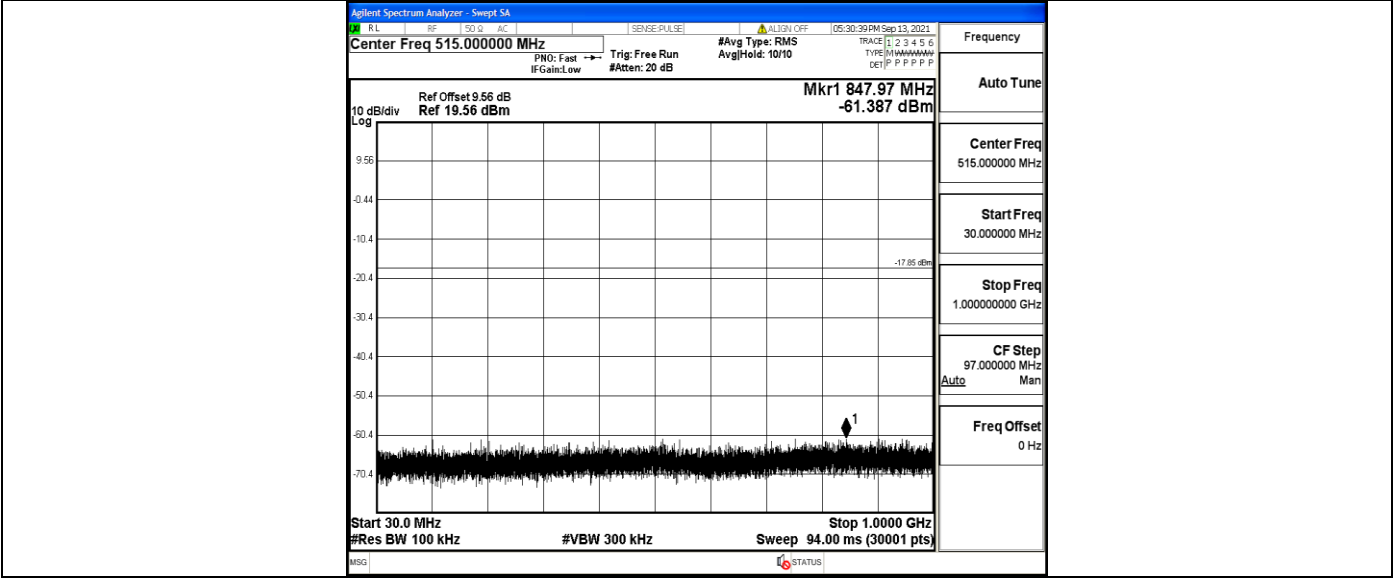
3DH5_Ant1_2402_1000~26500



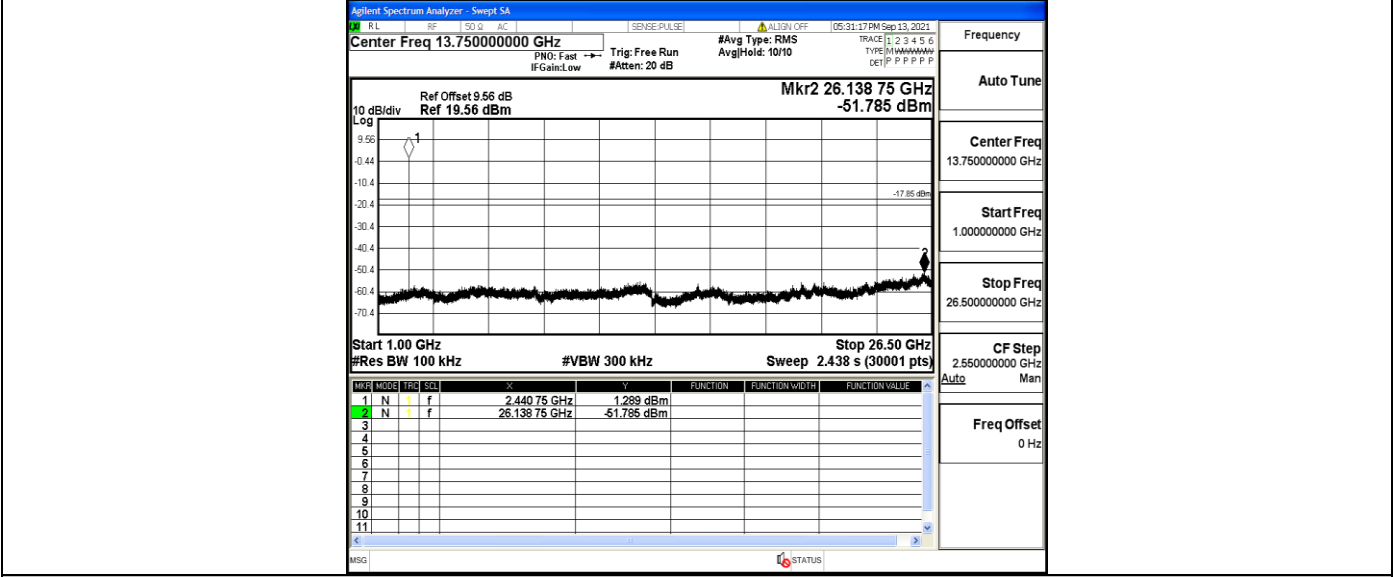
3DH5_Ant1_2441_0~Reference



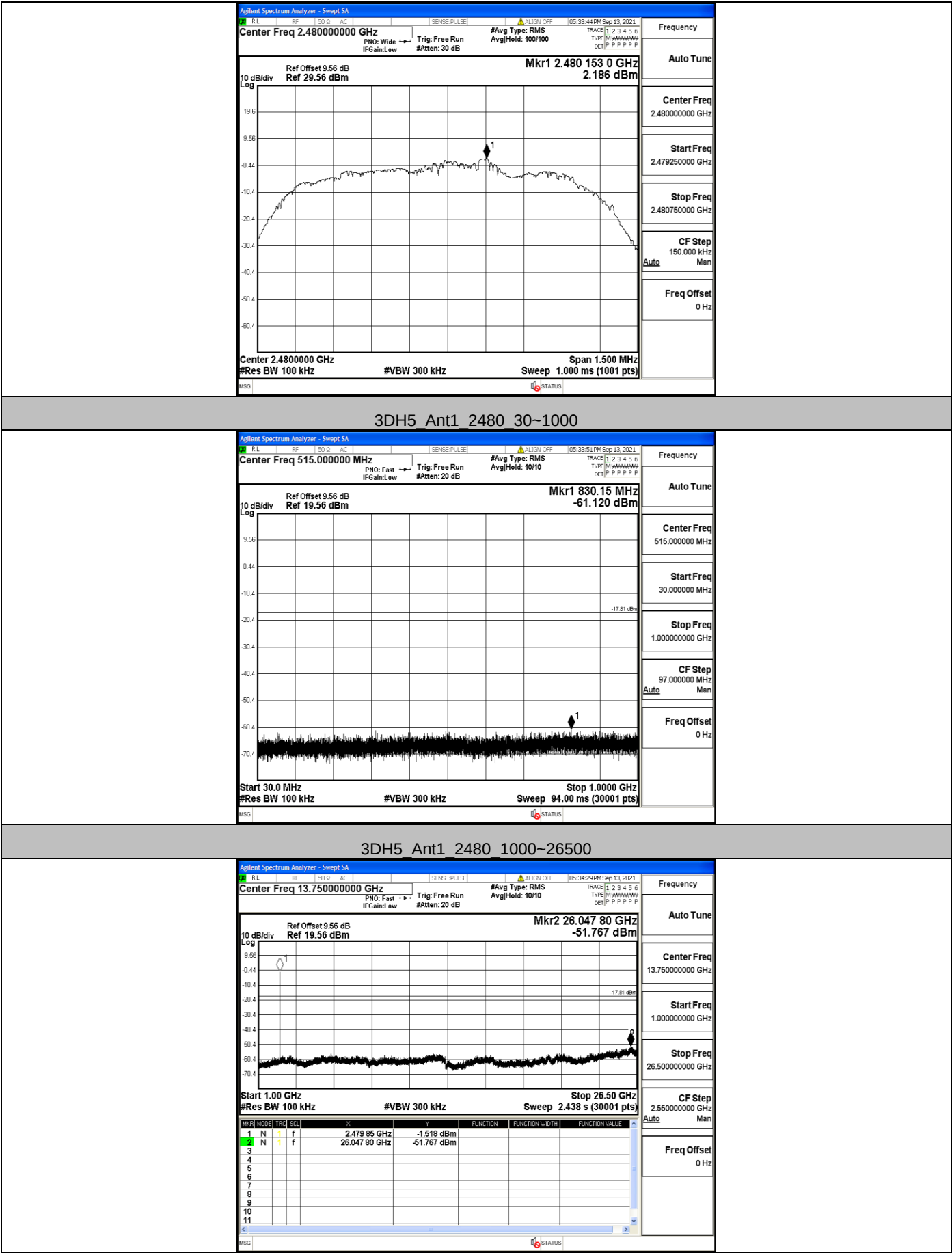
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



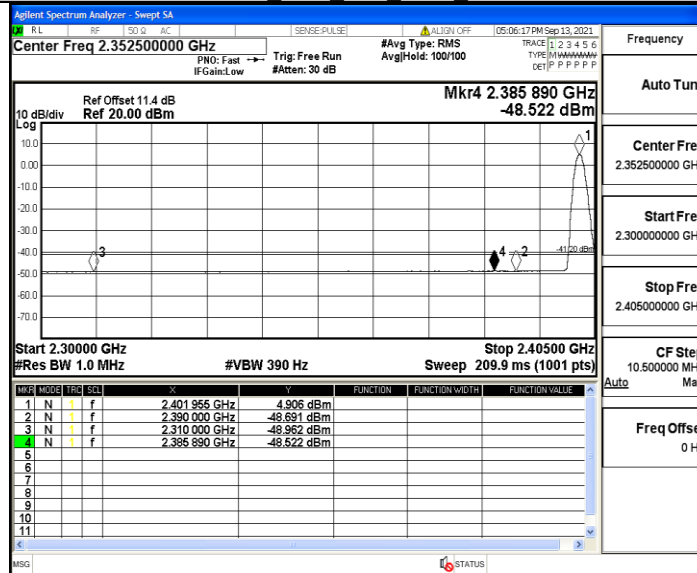
A.8 Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel	Detector	Freq (MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.96	<=-41.20	PASS
				AV	2385.890	-48.52	<=-41.20	PASS
				AV	2390.000	-48.69	<=-41.20	PASS
				Peak	2310.000	-41.51	<=-21.20	PASS
				Peak	2371.715	-38.4	<=-21.20	PASS
				Peak	2390.000	-41.27	<=-21.20	PASS
		High	2480	AV	2483.500	-47.72	<=-41.20	PASS
				AV	2483.520	-47.72	<=-41.20	PASS
				AV	2500.000	-47.92	<=-41.20	PASS
				Peak	2483.500	-39.8	<=-21.20	PASS
				Peak	2497.920	-38.92	<=-21.20	PASS
				Peak	2500.000	-41.32	<=-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.93	<=-41.20	PASS
				AV	2386.625	-48.45	<=-41.20	PASS
				AV	2390.000	-48.64	<=-41.20	PASS
				Peak	2310.000	-40.77	<=-21.20	PASS
				Peak	2329.820	-38.36	<=-21.20	PASS
				Peak	2390.000	-42.95	<=-21.20	PASS
		High	2480	AV	2483.500	-47.74	<=-41.20	PASS
				AV	2483.520	-47.74	<=-41.20	PASS
				AV	2500.000	-48.04	<=-41.20	PASS
				Peak	2483.500	-39.16	<=-21.20	PASS
				Peak	2489.280	-37.95	<=-21.20	PASS
				Peak	2500.000	-40.49	<=-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.05	<=-41.20	PASS
				AV	2389.670	-48.63	<=-41.20	PASS
				AV	2390.000	-48.77	<=-41.20	PASS
				Peak	2310.000	-41.42	<=-21.20	PASS
				Peak	2380.955	-38.72	<=-21.20	PASS
				Peak	2390.000	-42.93	<=-21.20	PASS
		High	2480	AV	2483.500	-47.63	<=-41.20	PASS
				AV	2483.520	-47.63	<=-41.20	PASS
				AV	2500.000	-48.09	<=-41.20	PASS
				Peak	2483.500	-42.2	<=-21.20	PASS
				Peak	2489.920	-38.89	<=-21.20	PASS
				Peak	2500.000	-40.81	<=-21.20	PASS

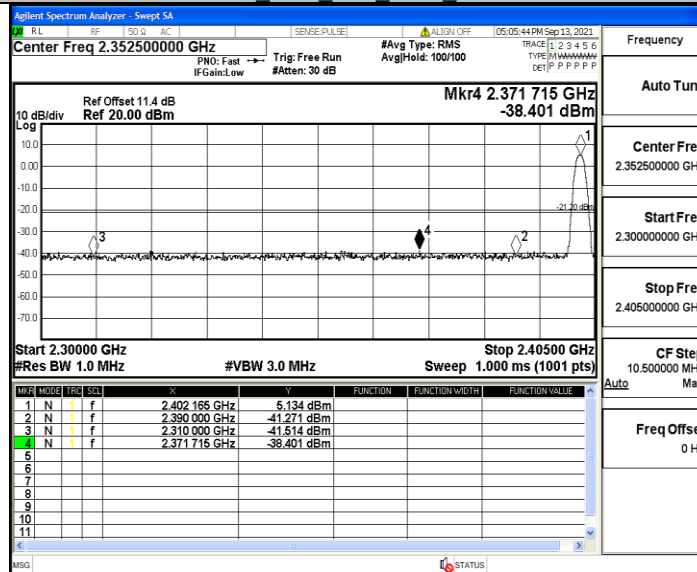
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.

2.The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

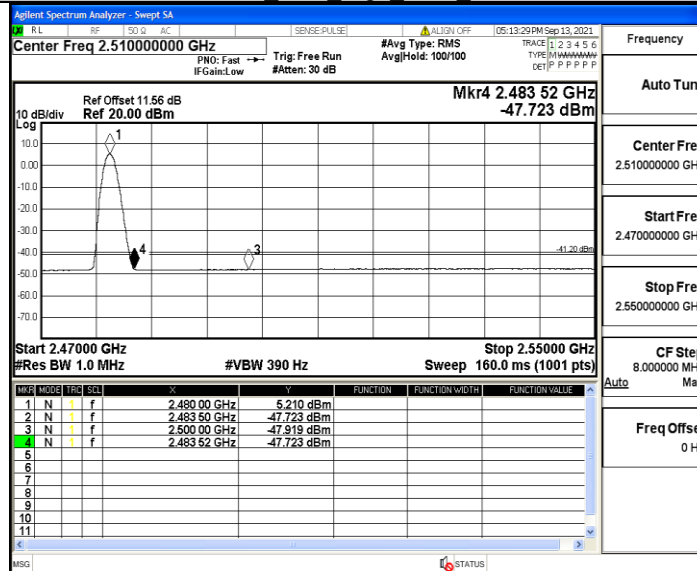
DH5 Ant1 Low 2402 AV



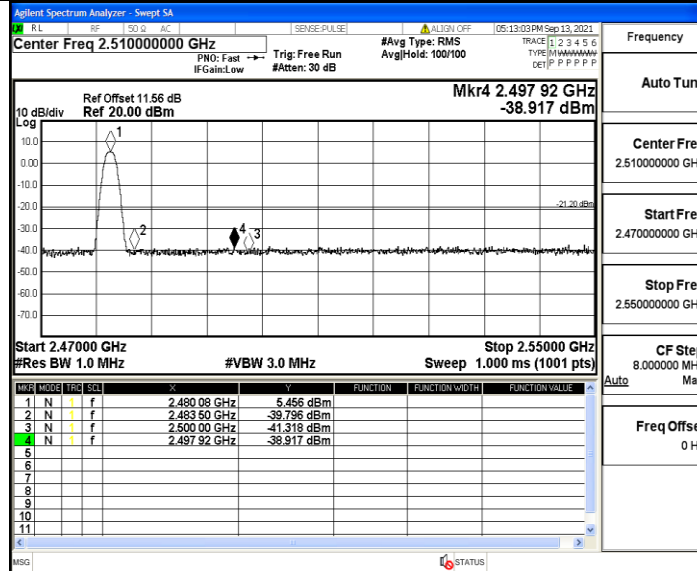
DH5 Ant1 Low 2402 Peak



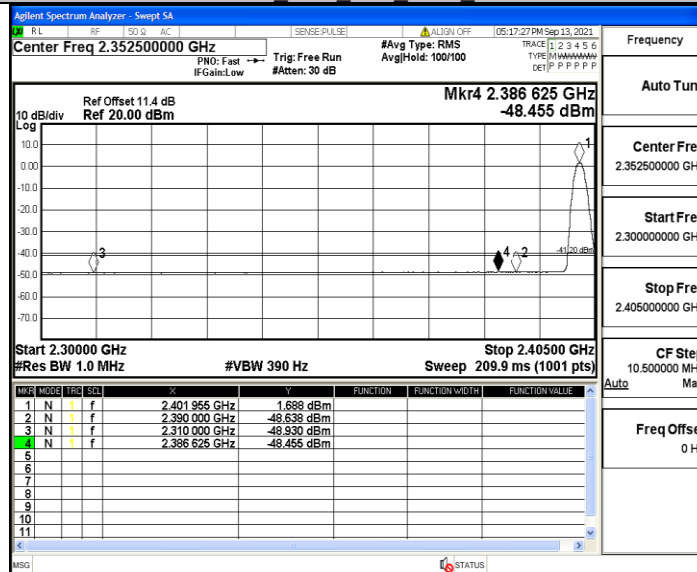
DH5 Ant1 High 2480 AV



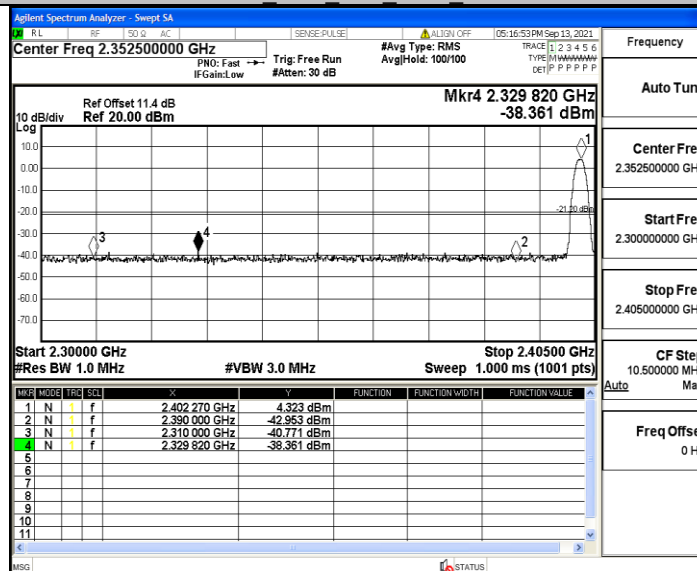
DH5 Ant1 High 2480 Peak



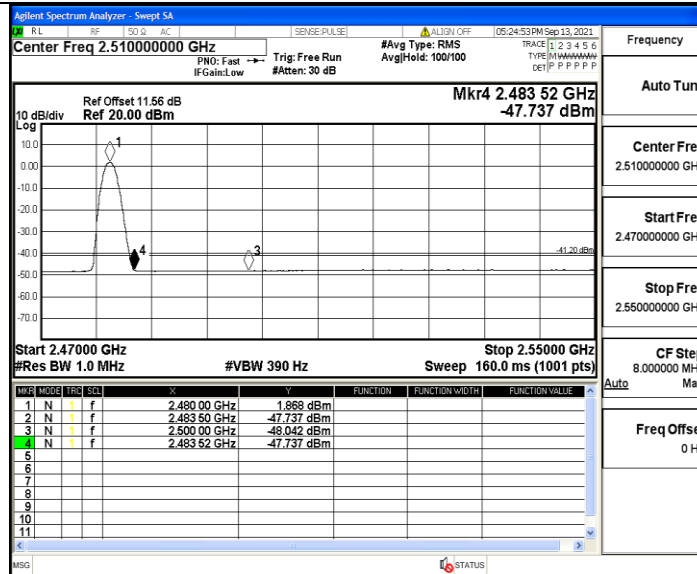
2DH5_Ant1_Low_2402_AV



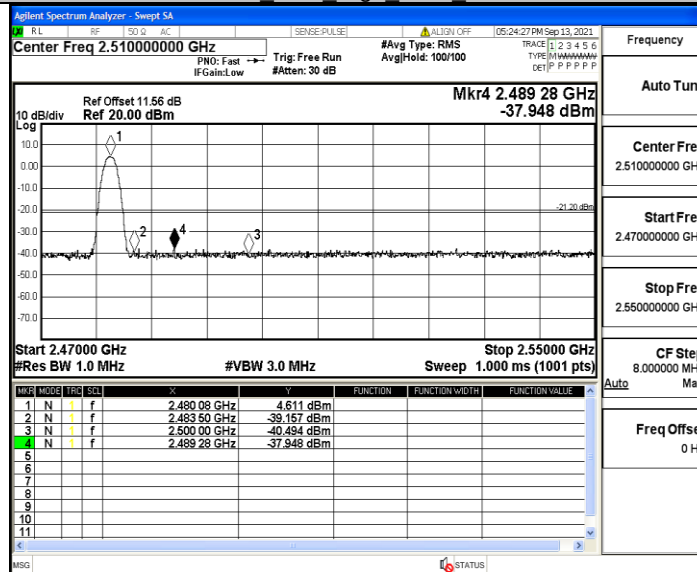
2DH5_Ant1_Low_2402_Peak



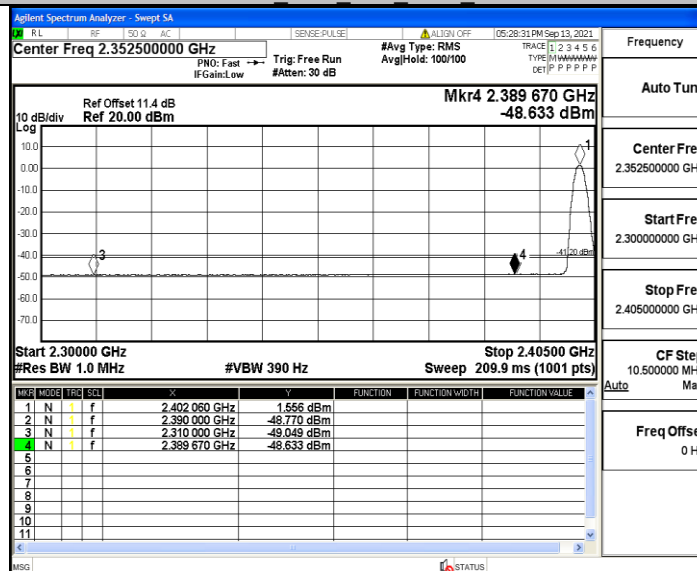
2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

