

Appendix A

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

Product Name: Tablet PC

Trade Mark: KRONO

Test Model: NET9

FCC ID: 2AFD9NET9

Environmental Conditions

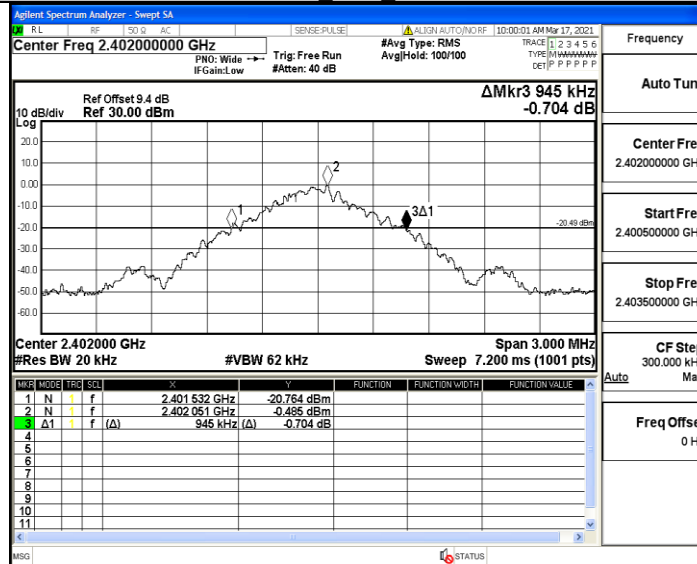
Temperature:	23.8℃
Relative Humidity:	51%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

A.1 20 dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.532	2402.477	Not Specified	PASS
		2441	0.951	2440.529	2441.480	Not Specified	PASS
		2480	0.951	2479.532	2480.483	Not Specified	PASS
2DH5	Ant1	2402	1.317	2401.331	2402.648	Not Specified	PASS
		2441	1.260	2440.361	2441.621	Not Specified	PASS
		2480	1.320	2479.331	2480.651	Not Specified	PASS
3DH5	Ant1	2402	1.308	2401.340	2402.648	Not Specified	PASS
		2441	1.311	2440.337	2441.648	Not Specified	PASS
		2480	1.257	2479.358	2480.615	Not Specified	PASS

Test Graph

DH5_Ant1_2402



Frequency

Auto Tune

Center Freq
2.402000000 GHz

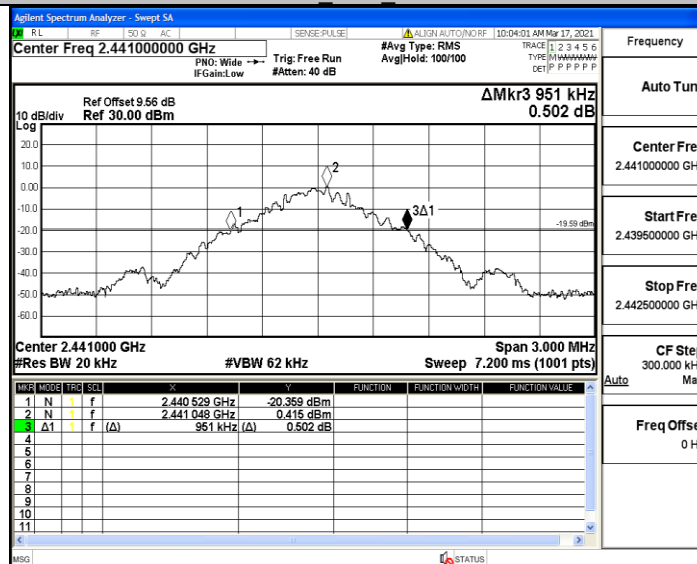
Start Freq
2.400500000 GHz

Stop Freq
2.403500000 GHz

CF Step
300.000 kHz
Man

Freq Offset
0 Hz

DH5_Ant1_2441



Frequency

Auto Tune

Center Freq
2.441000000 GHz

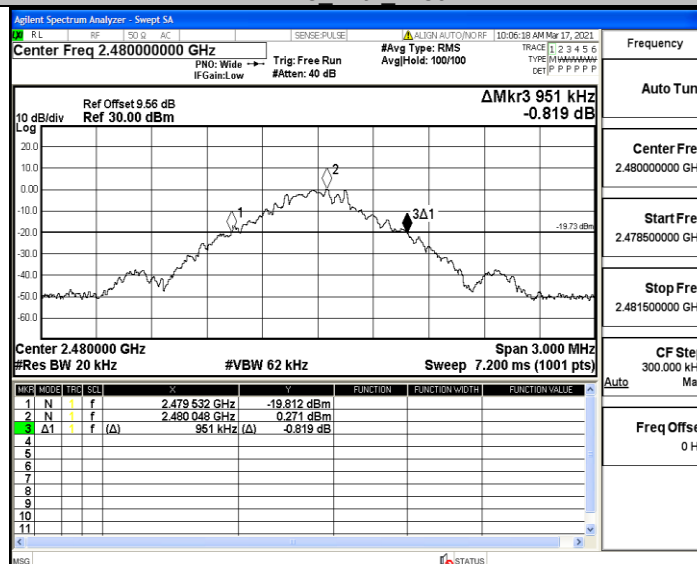
Start Freq
2.439500000 GHz

Stop Freq
2.442500000 GHz

CF Step
300.000 kHz
Man

Freq Offset
0 Hz

DH5_Ant1_2480



Frequency

Auto Tune

Center Freq
2.480000000 GHz

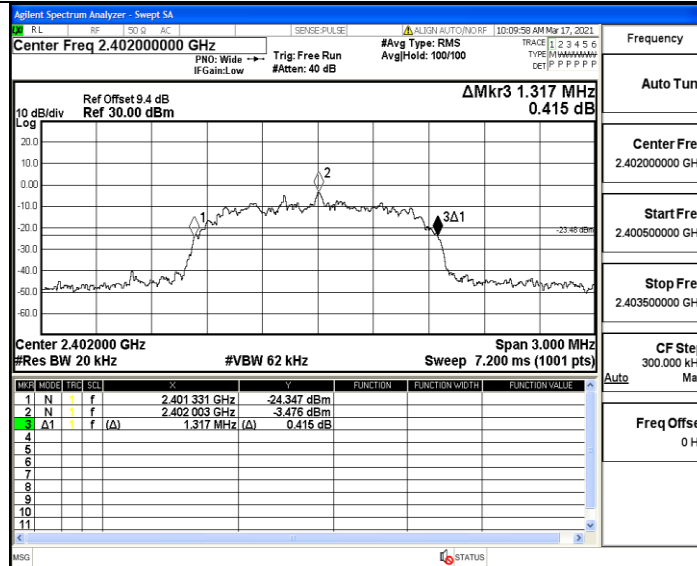
Start Freq
2.478500000 GHz

Stop Freq
2.481500000 GHz

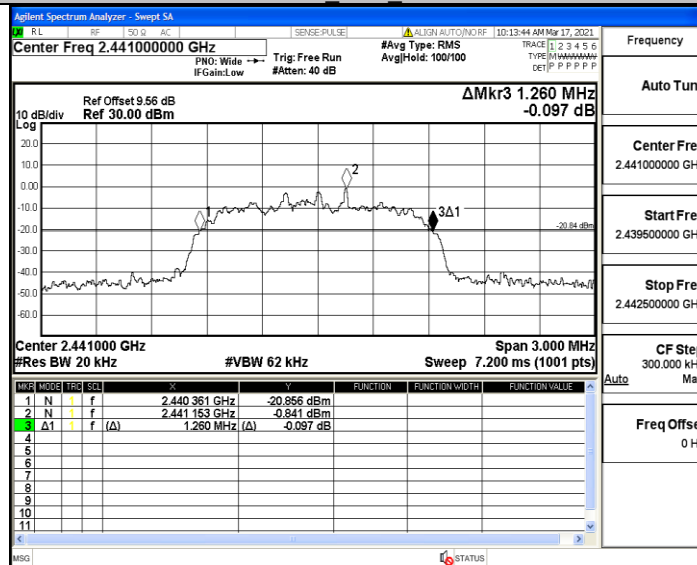
CF Step
300.000 kHz
Man

Freq Offset
0 Hz

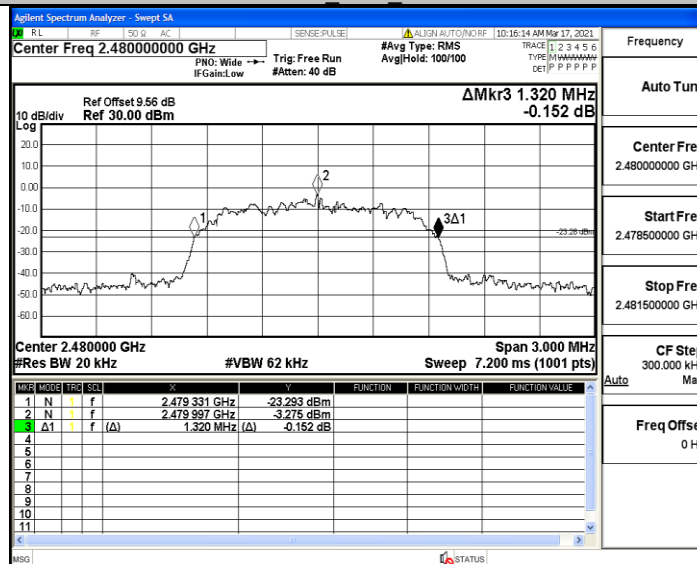
2DH5_Ant1_2402



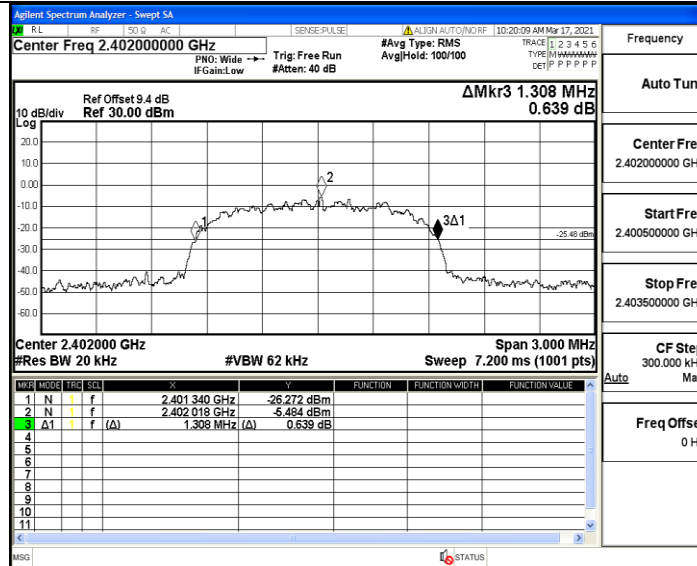
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



Frequency

Auto Tune

Center Freq

Start Freq

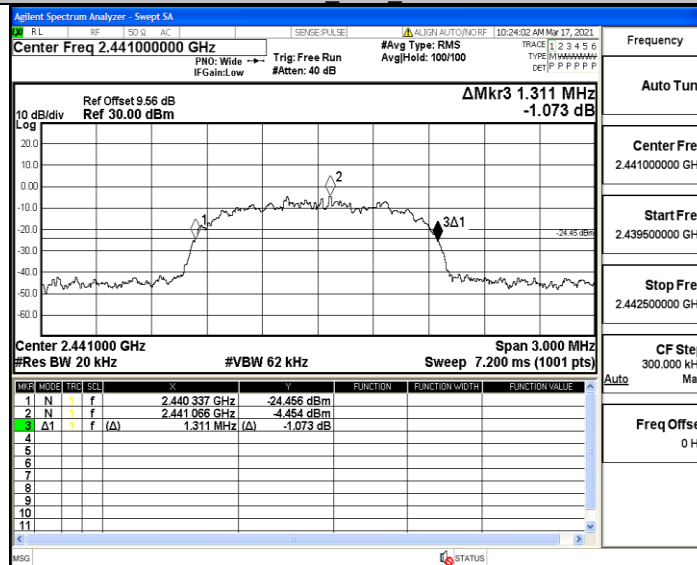
Stop Freq

CF Step

Auto

Freq Offset

3DH5 Ant1 2441



Frequency

Auto Tune

Center Freq

Start Freq

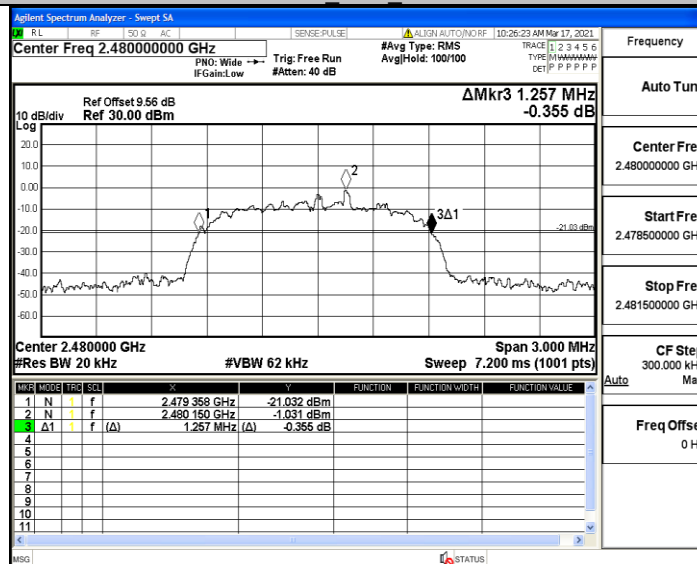
Stop Freq

CF Step

Auto

Freq Offset

3DH5 Ant1 2480



Frequency

Auto Tune

Center Freq

Start Freq

Stop Freq

CF Step

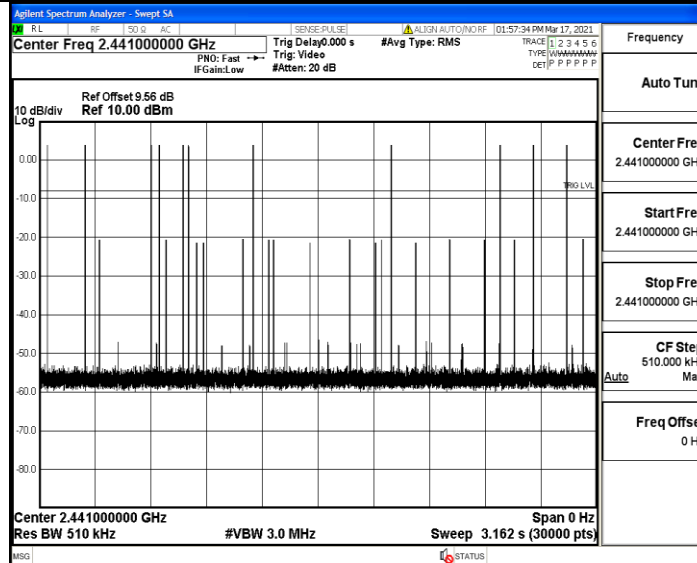
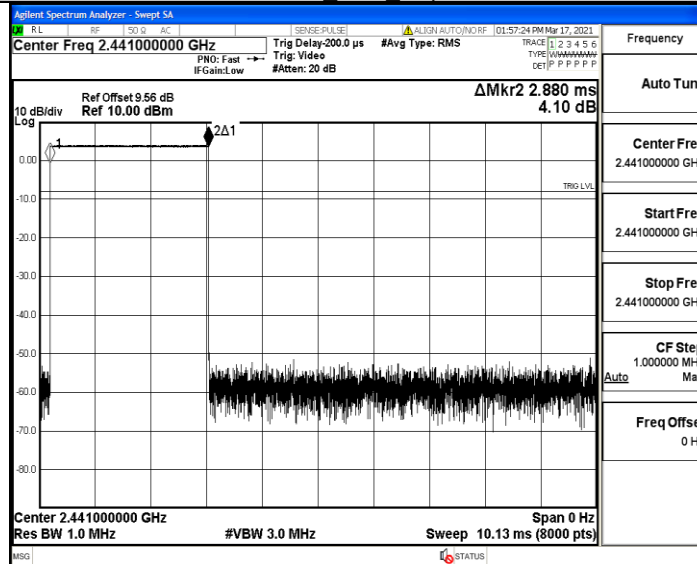
Auto

Freq Offset

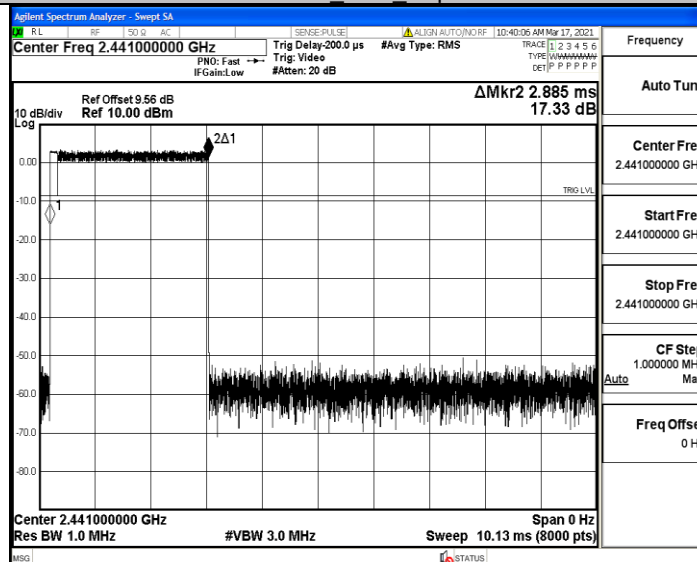
A.2 Dwell Time

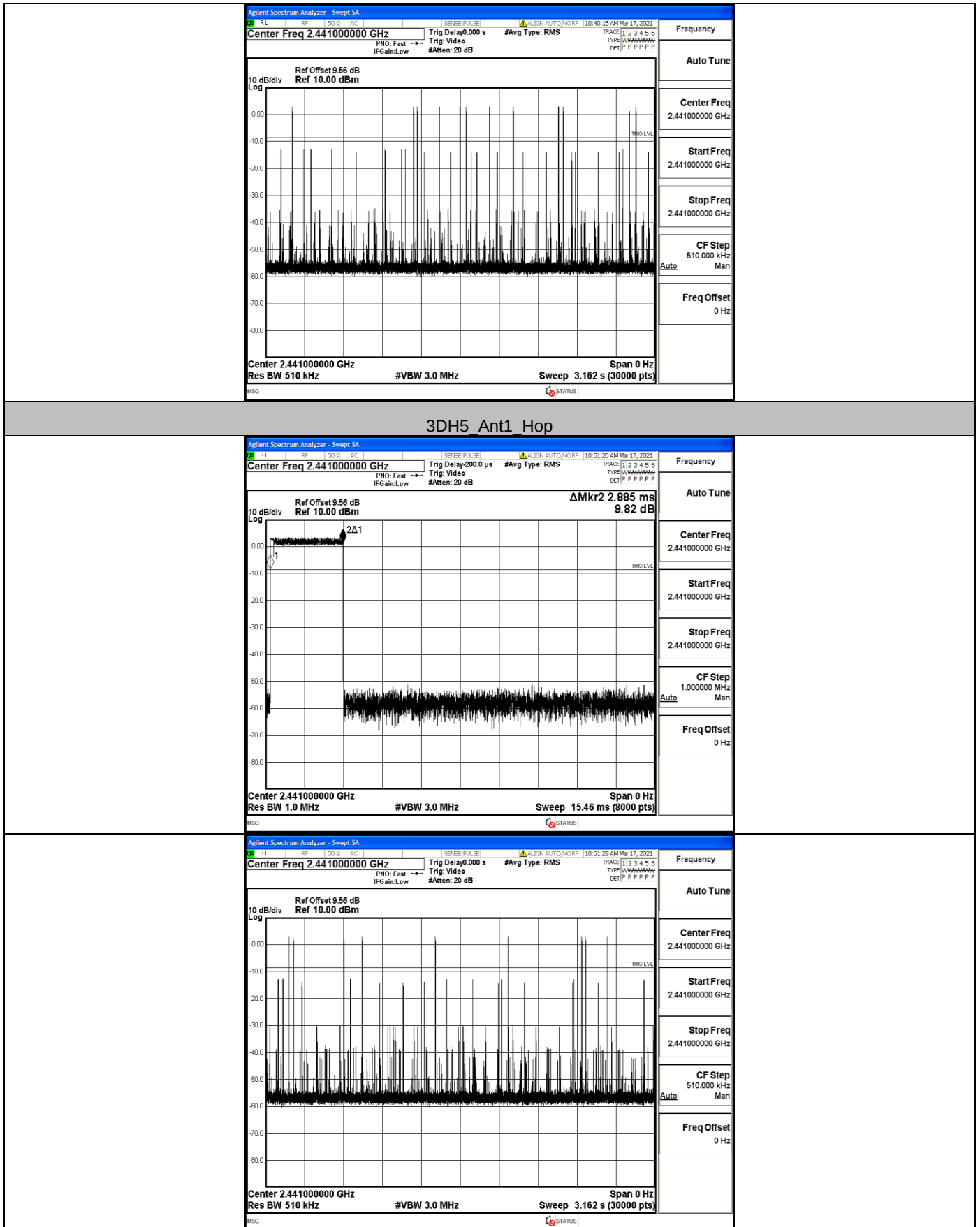
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	≤ 0.4	PASS
2DH5	Ant1	Hop	2.89	130	0.375	≤ 0.4	PASS
3DH5	Ant1	Hop	2.88	100	0.288	≤ 0.4	PASS

DH5_Ant1_Hop



2DH5_Ant1_Hop



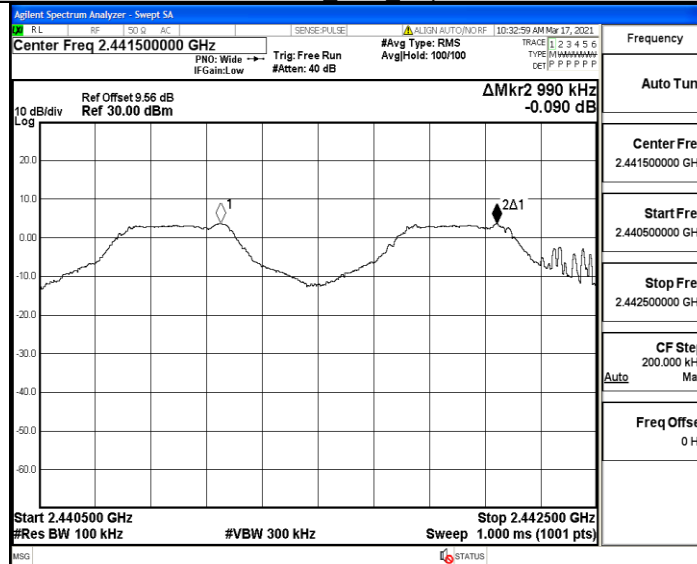


A.3 Carrier Frequency Separation

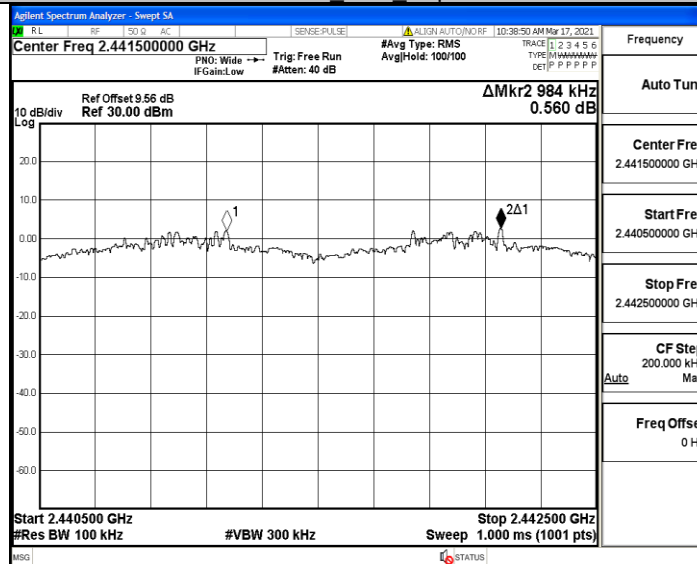
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.951	PASS
2DH5	Ant1	Hop	0.984	≥ 0.880	PASS
3DH5	Ant1	Hop	0.994	≥ 0.874	PASS

Test Graph

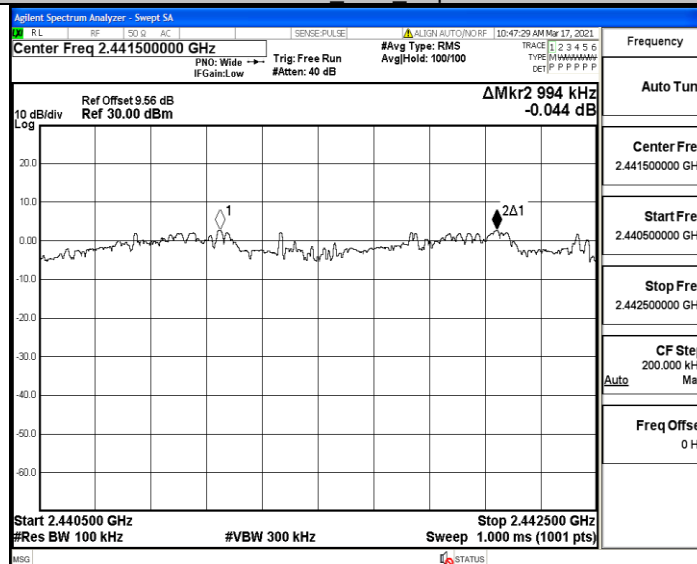
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

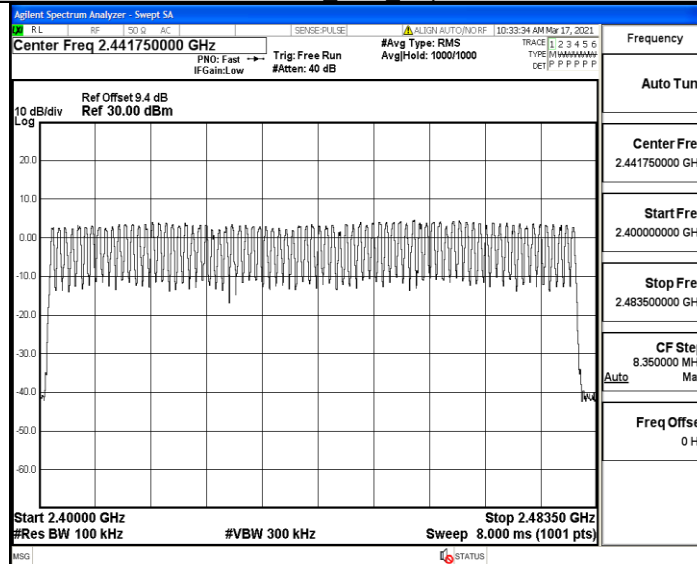


A.4 Hopping Channel Number

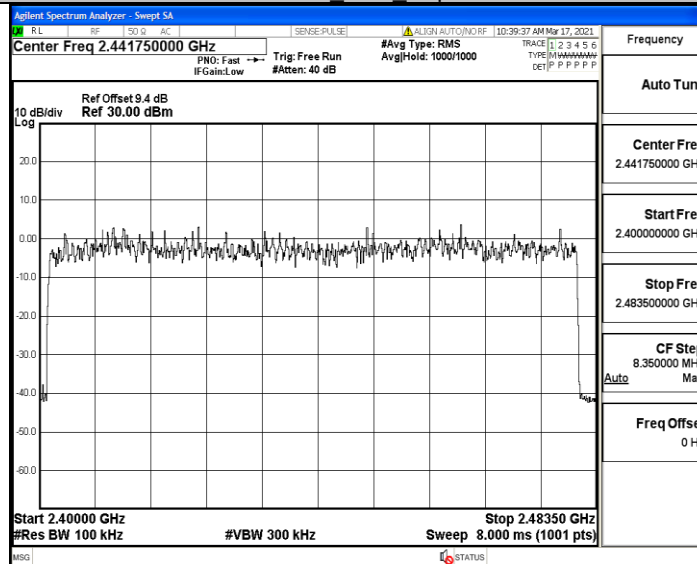
Mode	Channel.	Number of Hopping Channel[N]	Limit[N]	Verdict
GFSK	Hop	79	>=15	PASS
$\pi/4$ DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

Test Graph

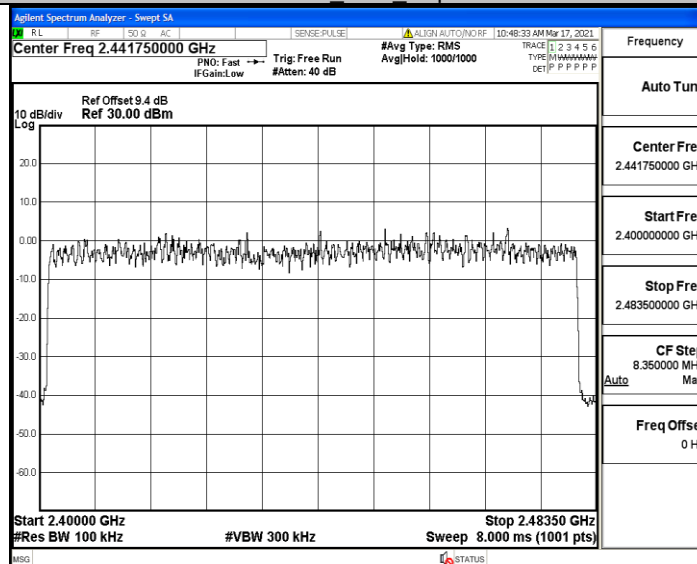
DH5_Ant1_Hop



2DH5_Ant1_Hop



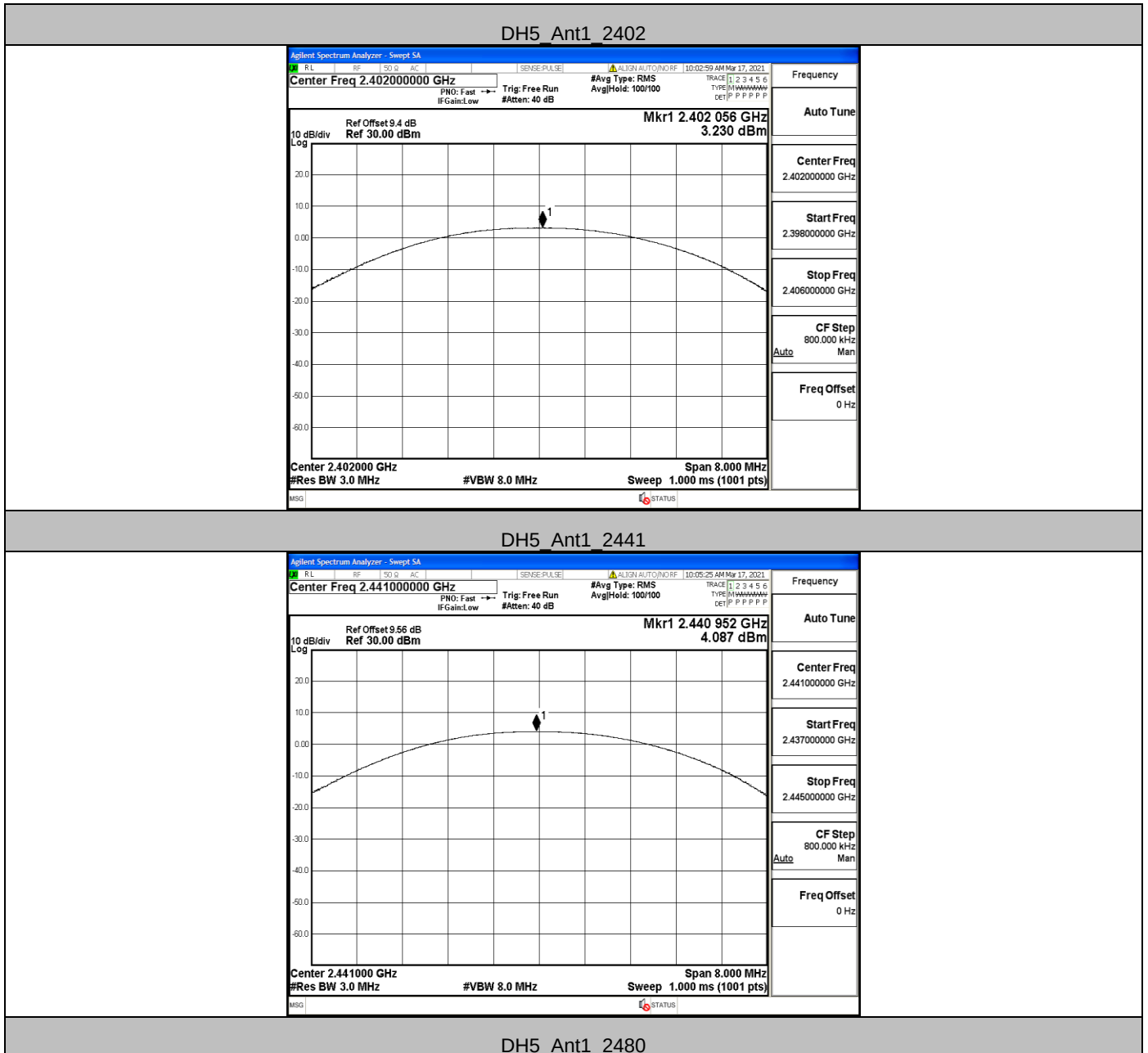
3DH5_Ant1_Hop

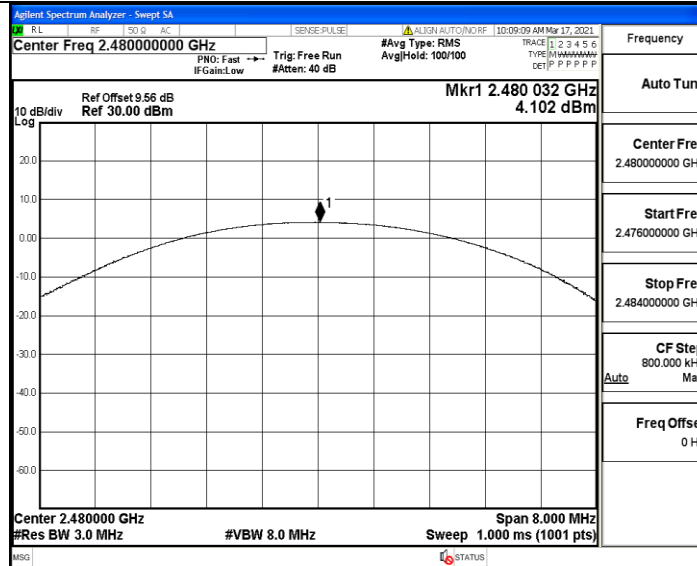


A.5 Conducted Peak Output Power

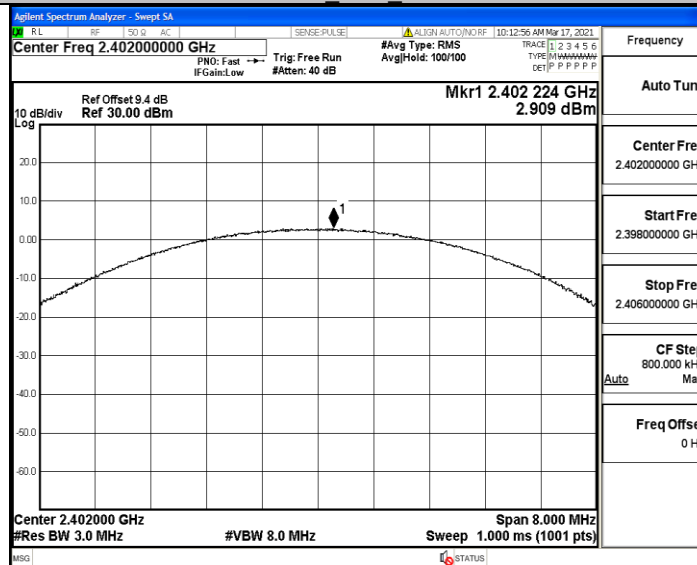
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	3.23	21	PASS
GFSK	MCH	4.09	21	PASS
GFSK	HCH	4.10	21	PASS
$\pi/4$ DQPSK	LCH	2.91	21	PASS
$\pi/4$ DQPSK	MCH	3.78	21	PASS
$\pi/4$ DQPSK	HCH	3.80	21	PASS
8DPSK	LCH	3.05	21	PASS
8DPSK	MCH	3.97	21	PASS
8DPSK	HCH	3.96	21	PASS

Test Graph

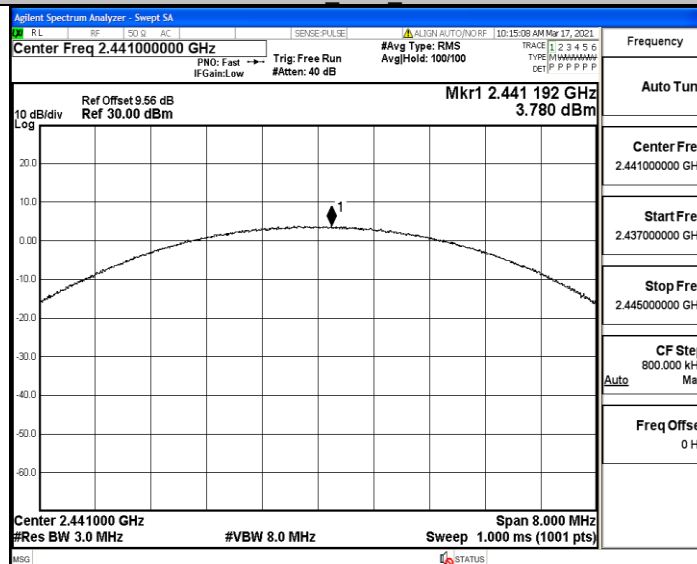




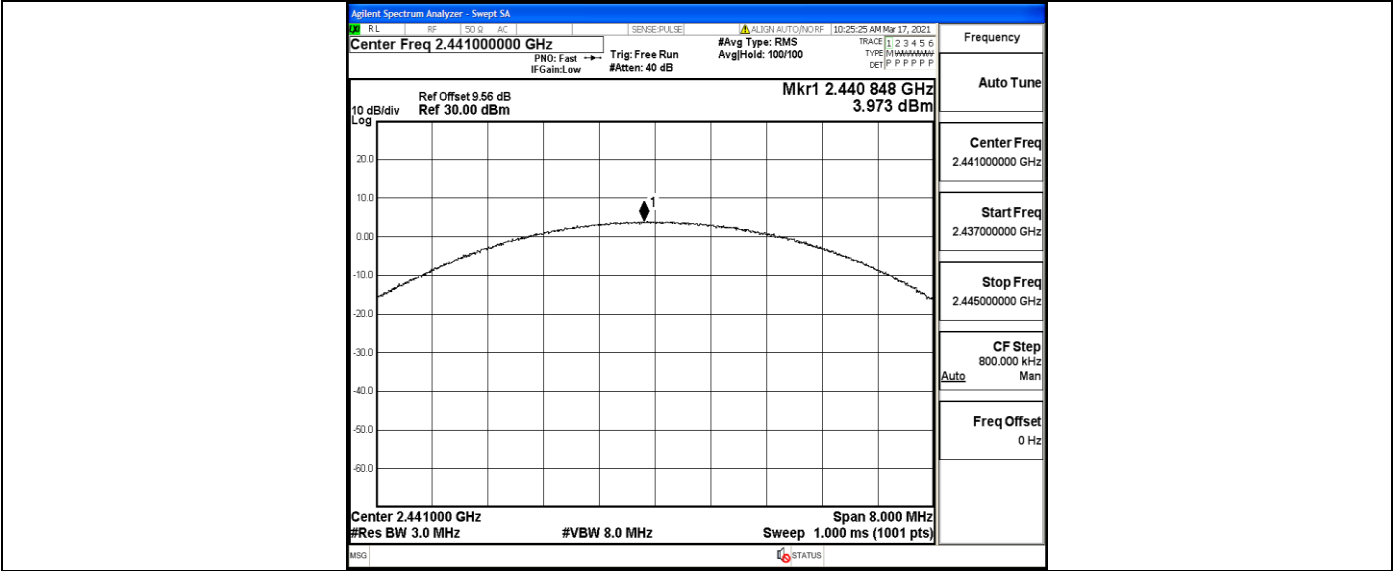
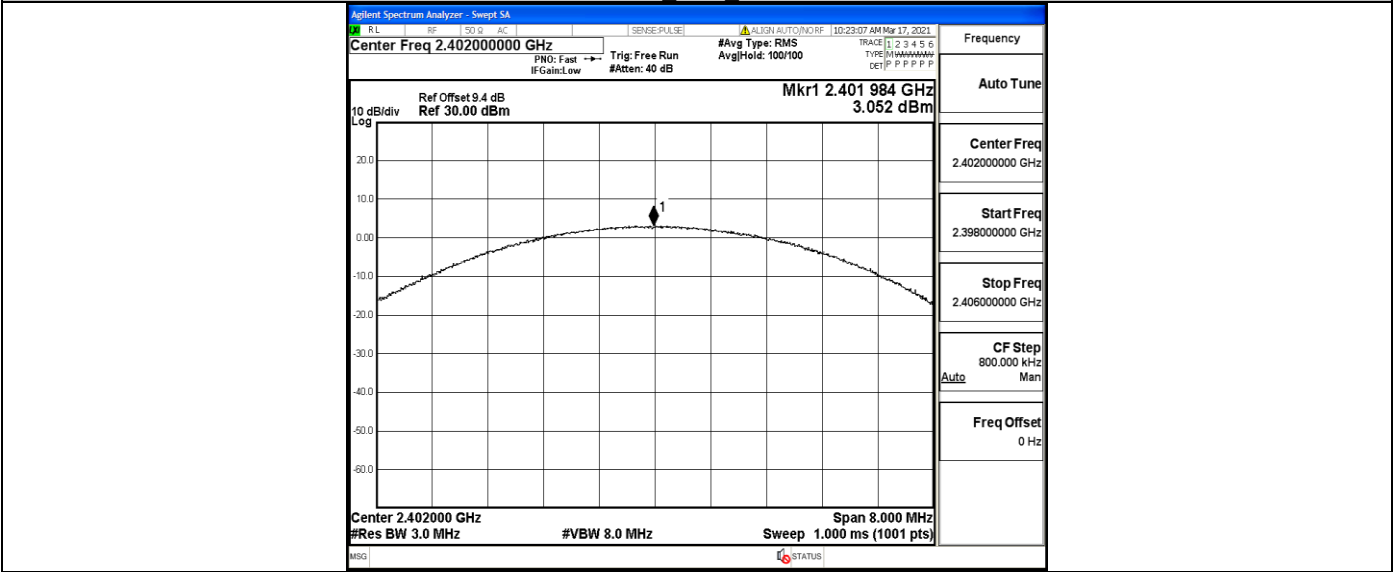
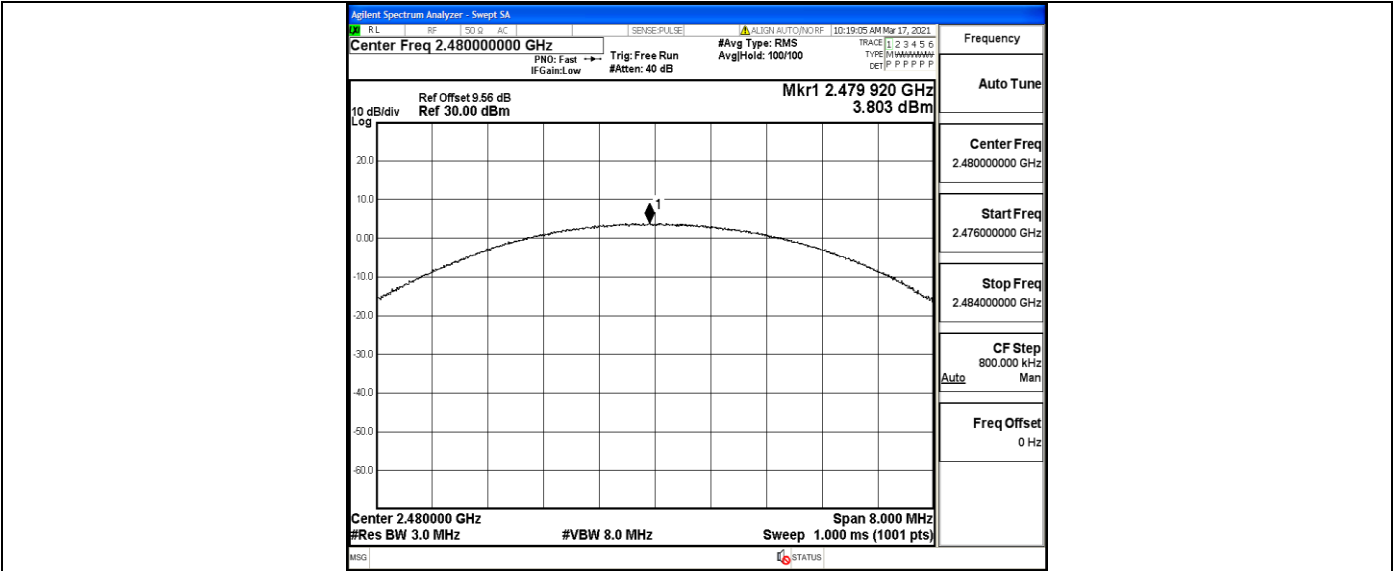
2DH5_Ant1_2402

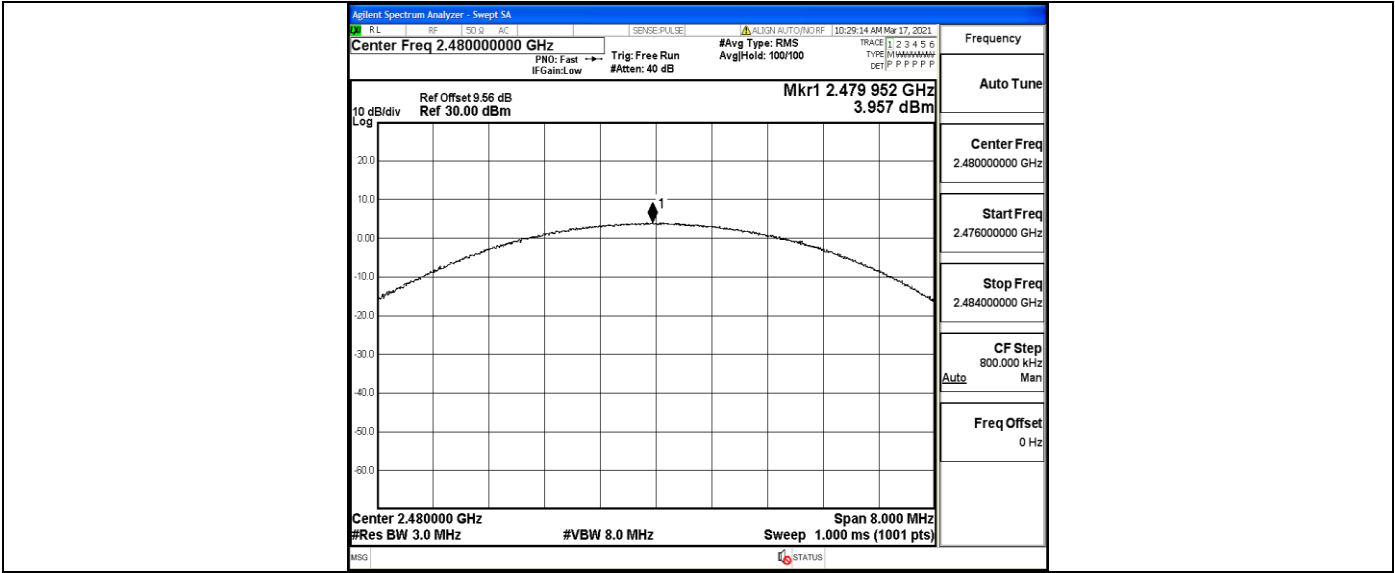


2DH5_Ant1_2441



2DH5_Ant1_2480



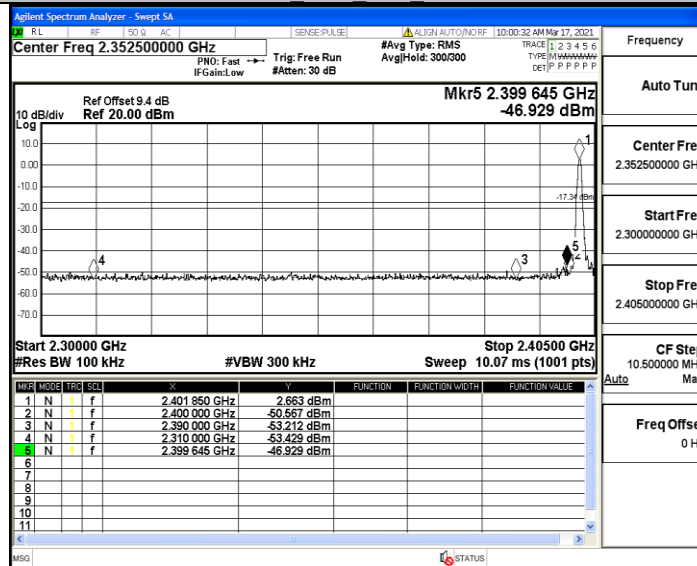


A.6 Band-edge for RF Conducted Emissions

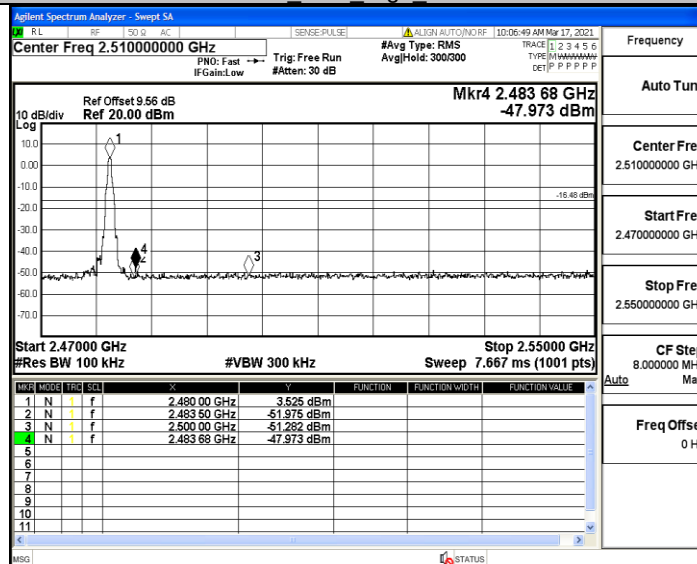
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.66	-46.93	<=-17.34	PASS
		High	2480	3.53	-47.97	<=-16.48	PASS
		Low	Hop_2402	2.15	-50.31	<=-17.85	PASS
		High	Hop_2480	4.23	-48.69	<=-15.77	PASS
2DH5	Ant1	Low	2402	1.76	-49.55	<=-18.24	PASS
		High	2480	-1.04	-48.51	<=-21.04	PASS
		Low	Hop_2402	-2.63	-49.51	<=-22.63	PASS
		High	Hop_2480	-0.51	-48.7	<=-20.51	PASS
3DH5	Ant1	Low	2402	1.08	-44.25	<=-18.92	PASS
		High	2480	-0.23	-47.59	<=-20.23	PASS
		Low	Hop_2402	1.66	-49.27	<=-18.35	PASS
		High	Hop_2480	-0.54	-49.06	<=-20.54	PASS

Test Graph

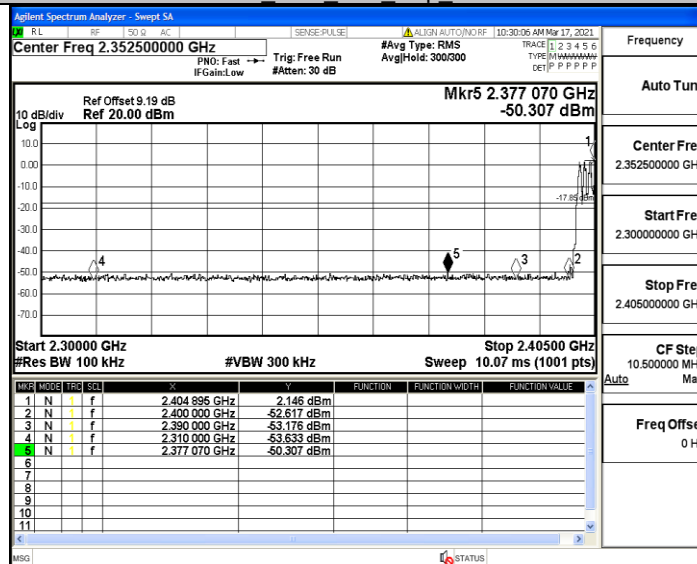
DH5_Ant1_Low_2402



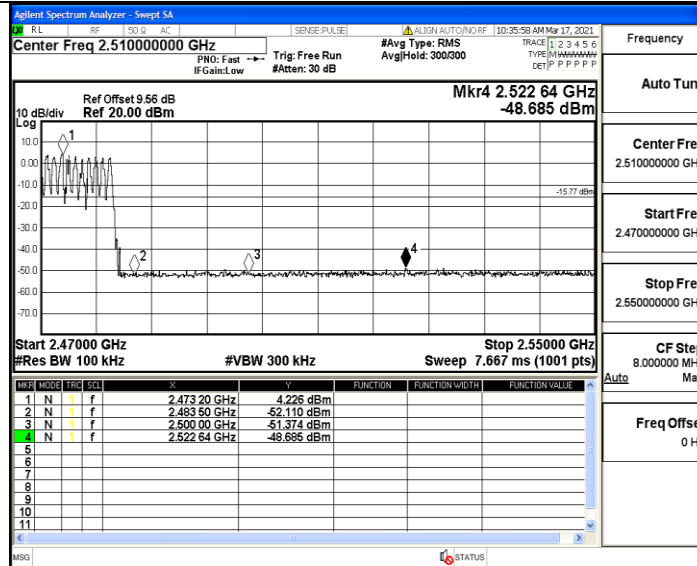
DH5_Ant1_High_2480



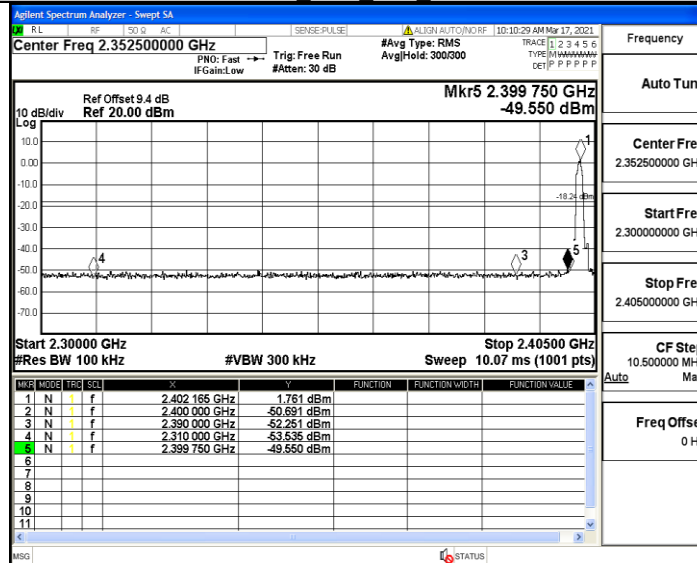
DH5_Ant1_Low_Hop_2402



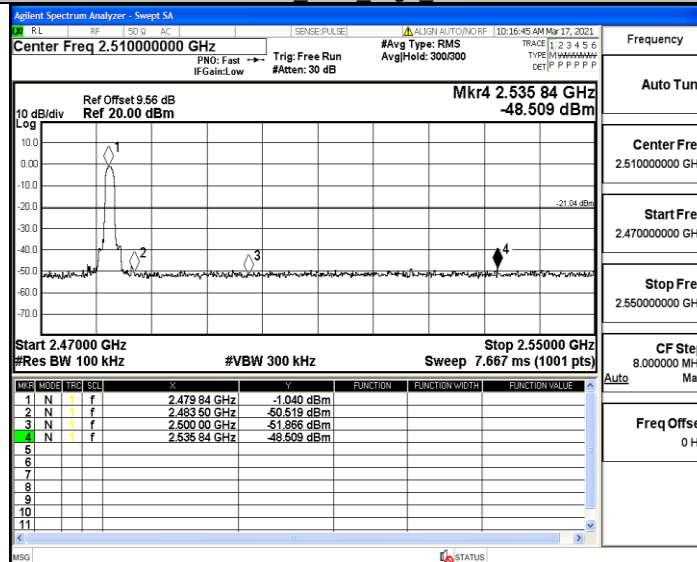
DH5_Ant1_High_Hop_2480



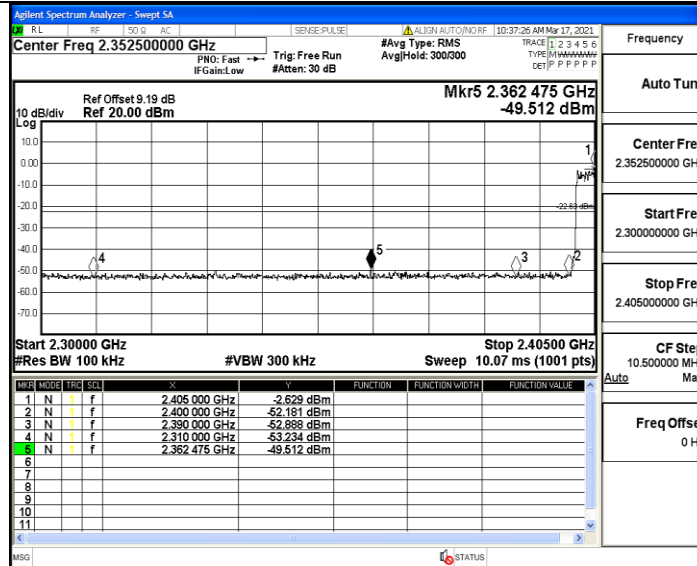
2DH5 Ant1 Low 2402



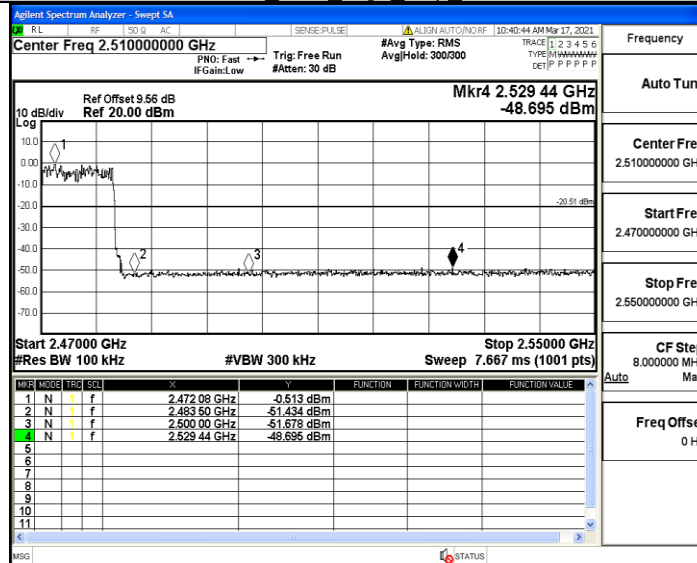
2DH5 Ant1 High 2480



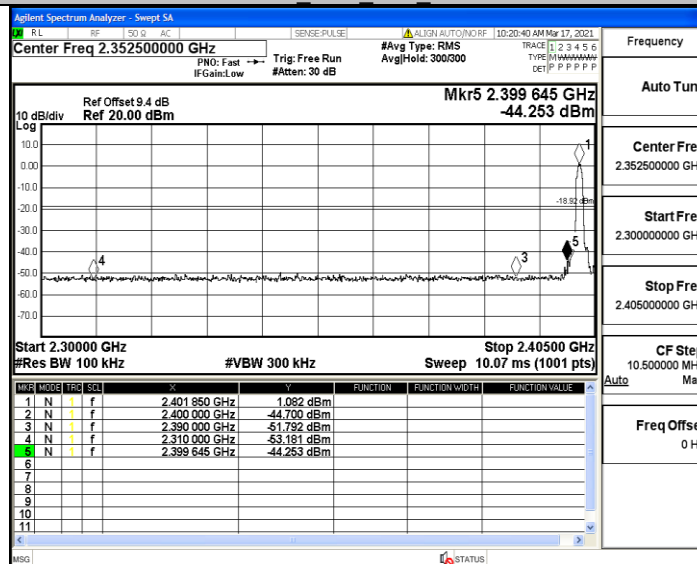
2DH5 Ant1 Low Hop 2402



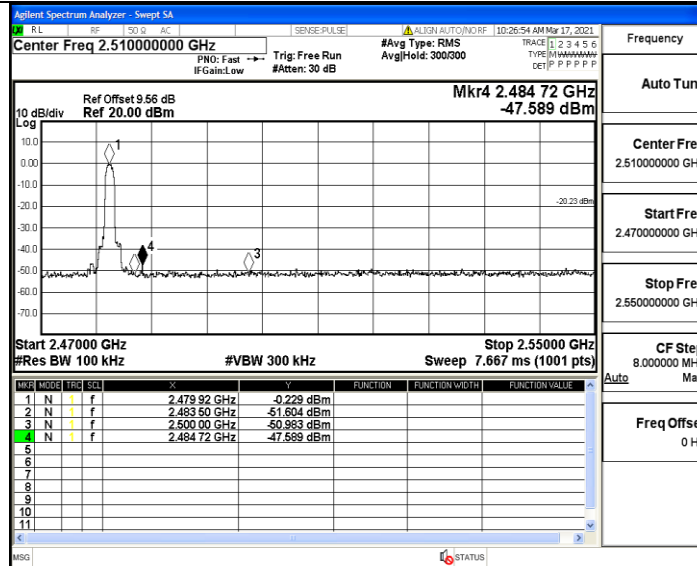
2DH5 Ant1 High Hop 2480



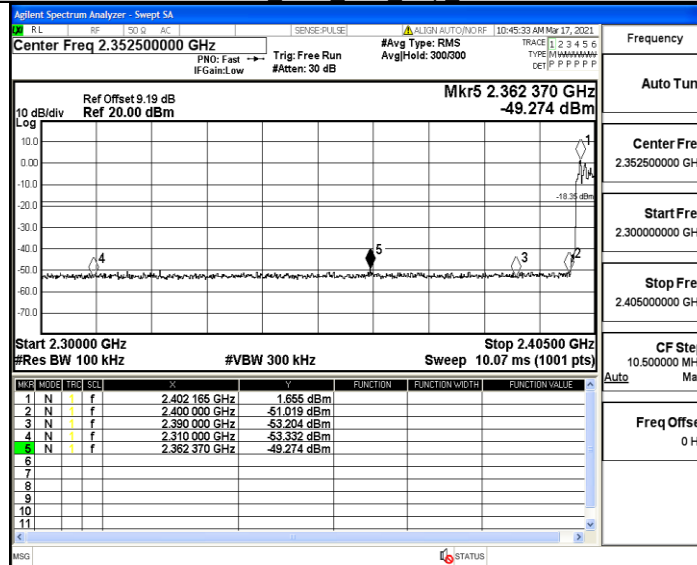
3DH5 Ant1 Low 2402



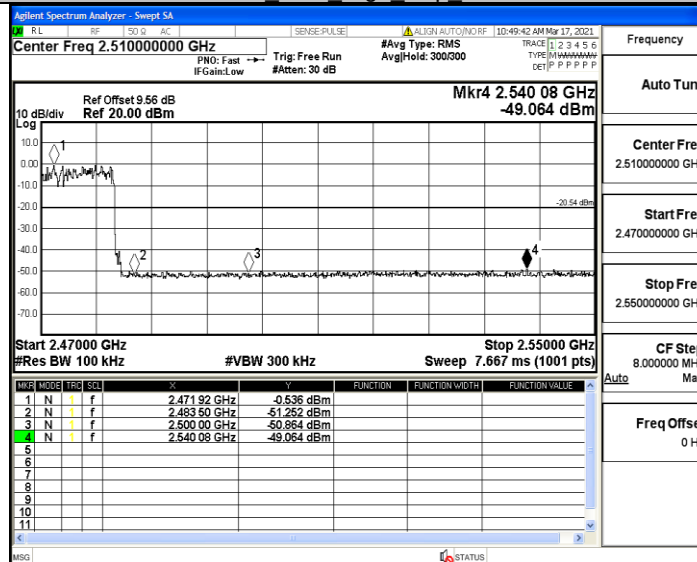
3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



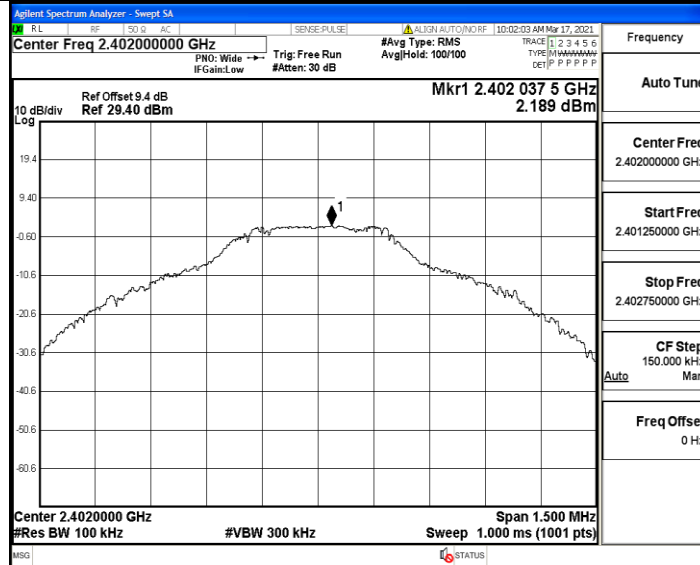
3DH5 Ant1 High Hop 2480



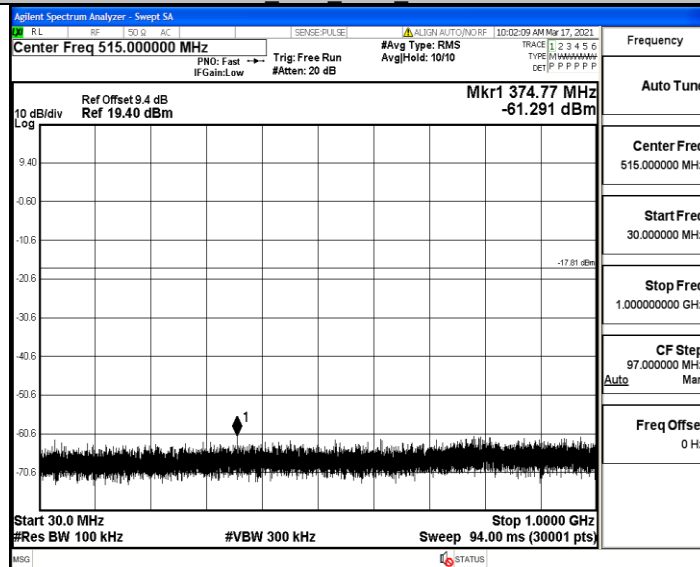
A.7 RF Conducted Spurious Emissions

Test Graph

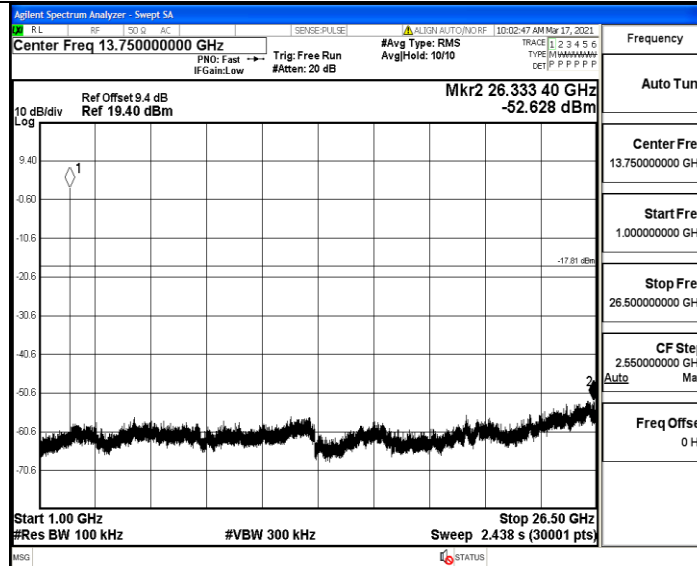
DH5_Ant1_2402_0~Reference



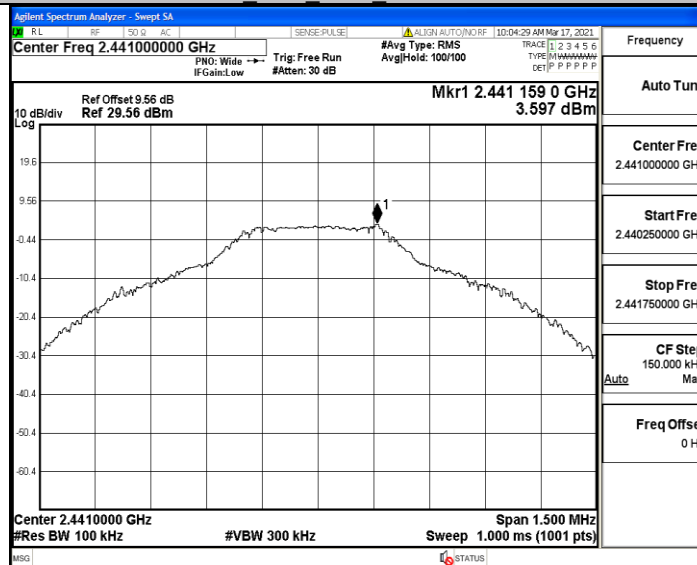
DH5_Ant1_2402_30~1000



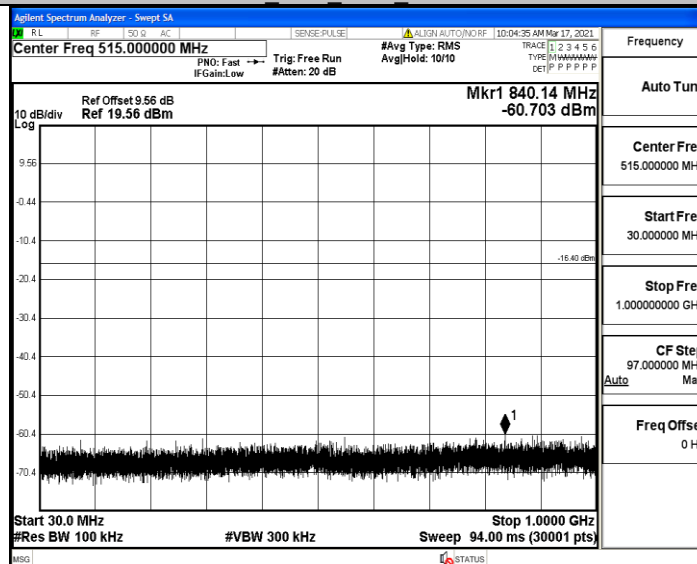
DH5_Ant1_2402_1000~26500



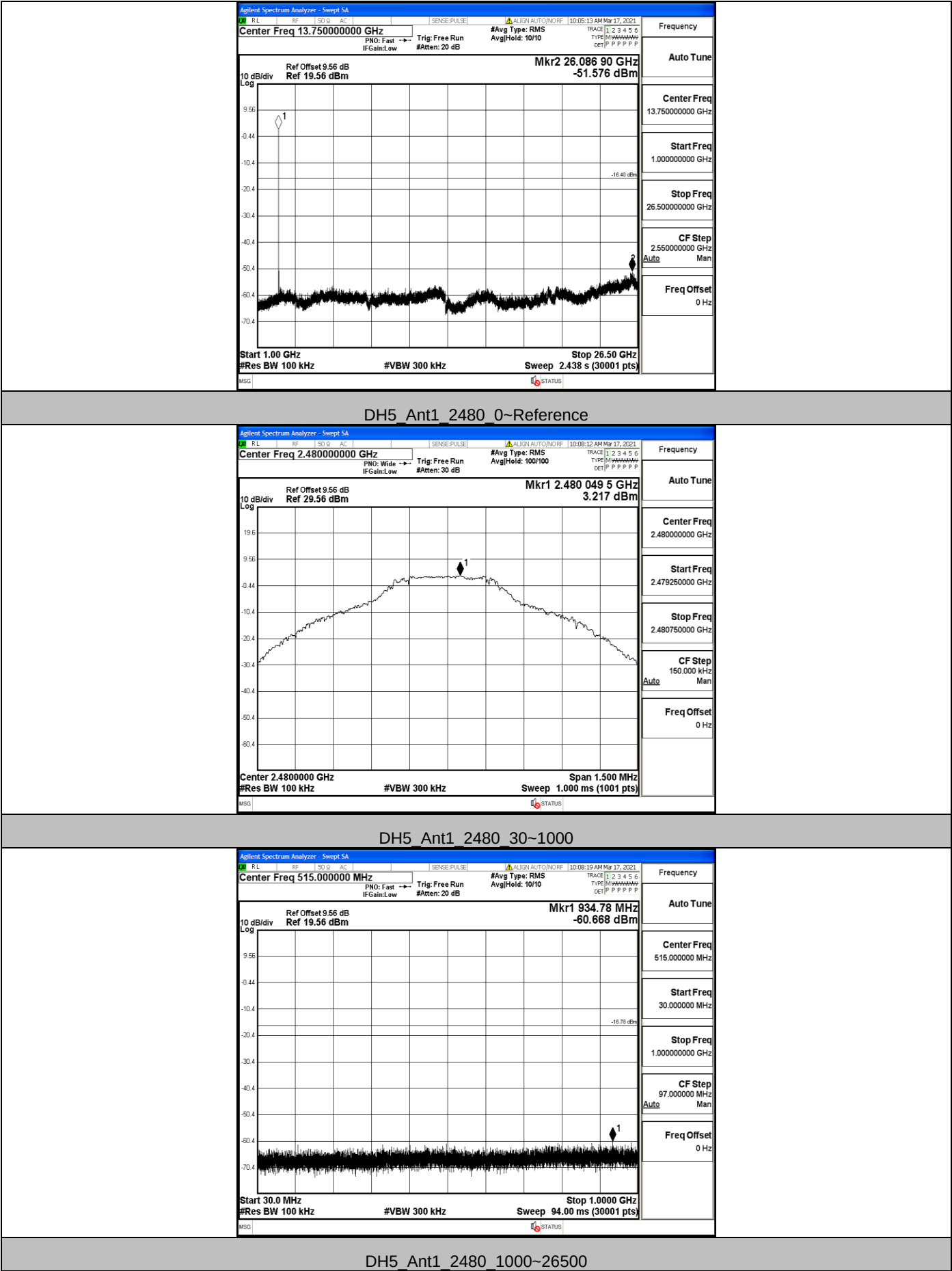
DH5_Ant1_2441_0~Reference

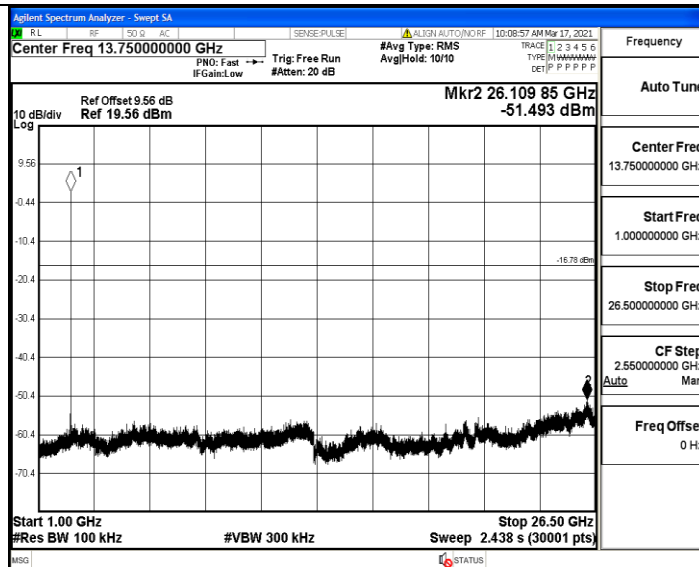


DH5_Ant1_2441_30~1000

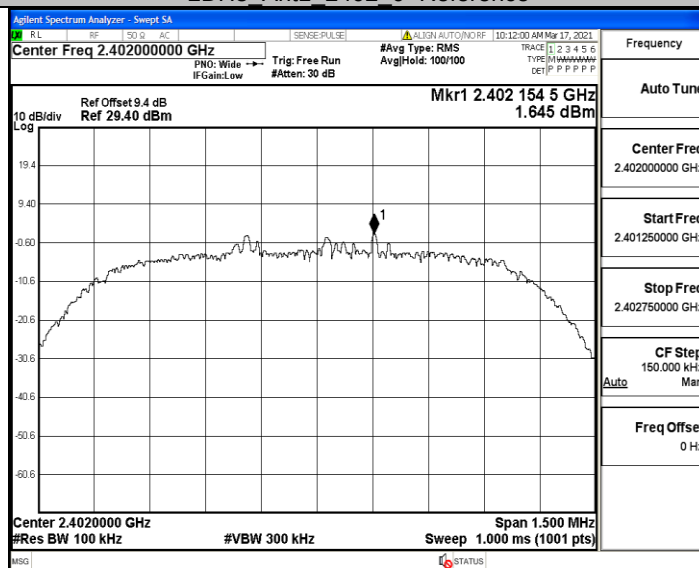


DH5_Ant1_2441_1000~26500

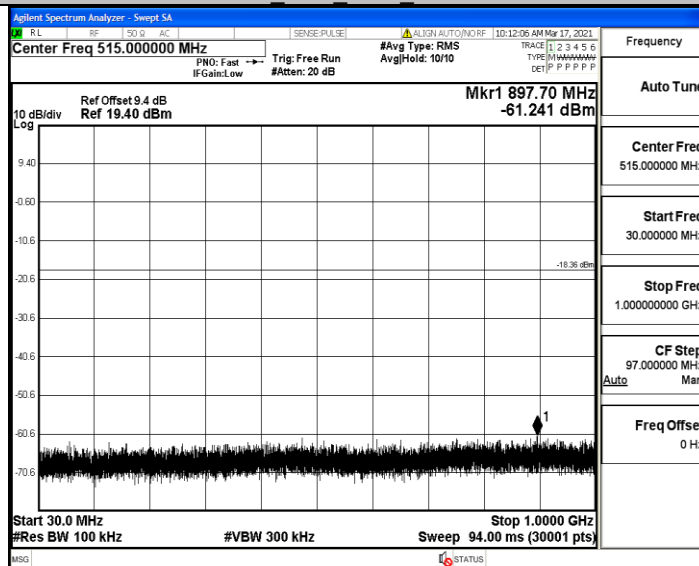




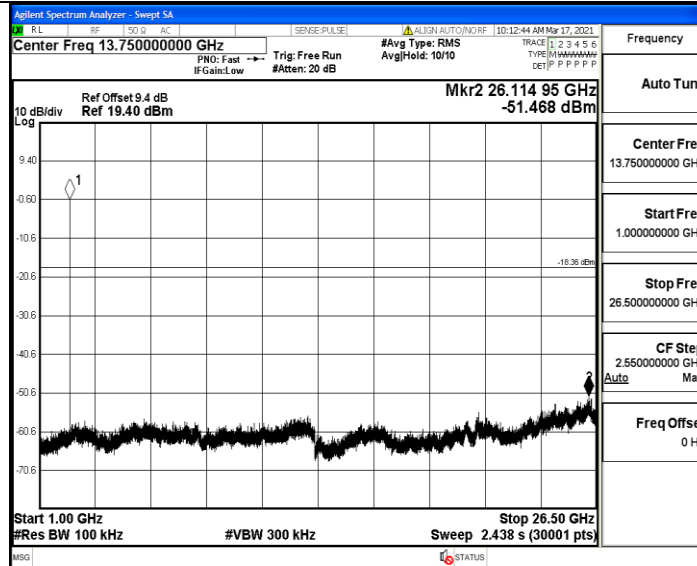
2DH5_Ant1_2402_0~Reference



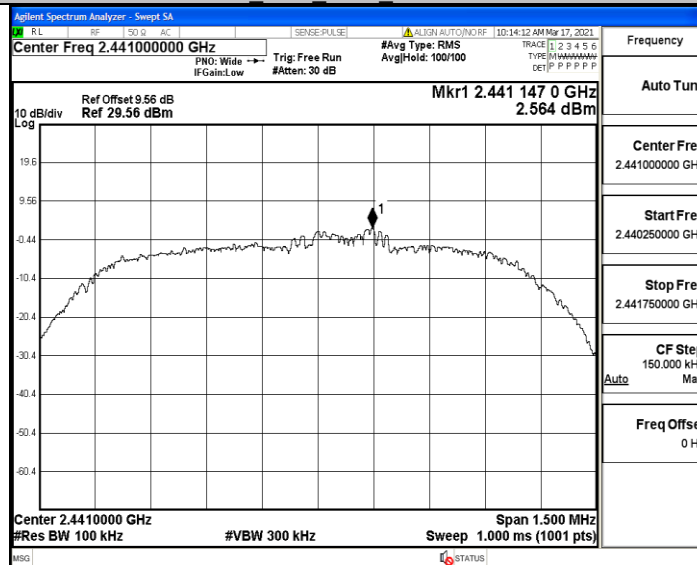
2DH5_Ant1_2402_30~1000



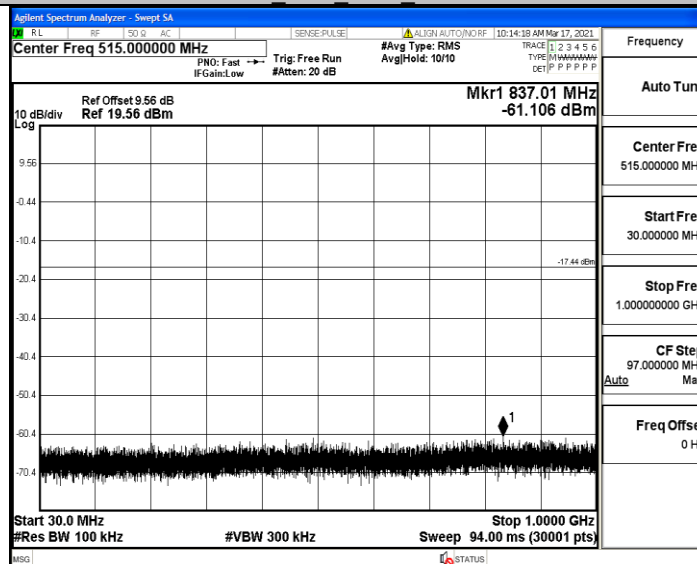
2DH5_Ant1_2402_1000~26500



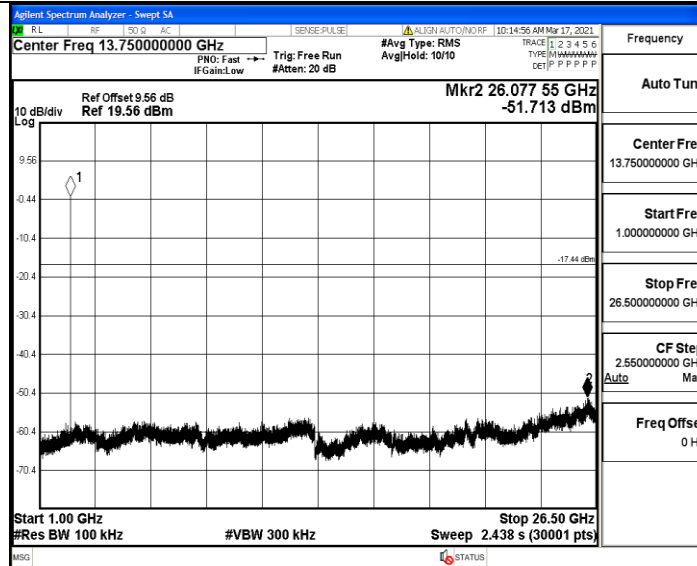
2DH5_Ant1_2441_0~Reference



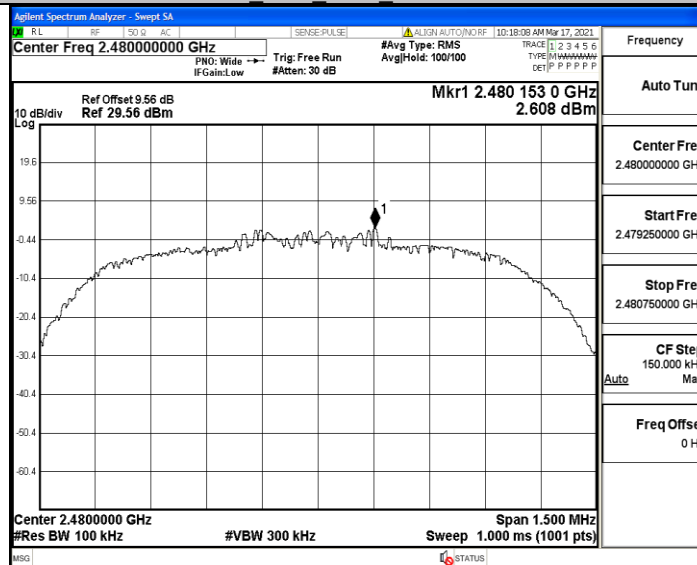
2DH5_Ant1_2441_30~1000



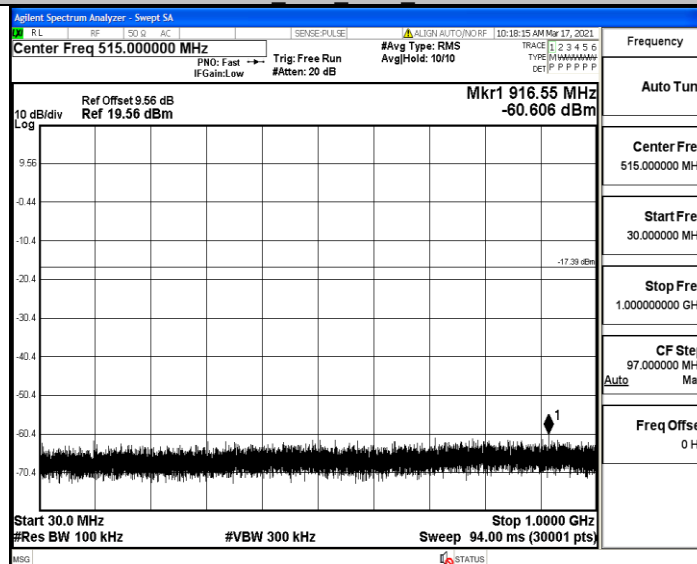
2DH5_Ant1_2441_1000~26500



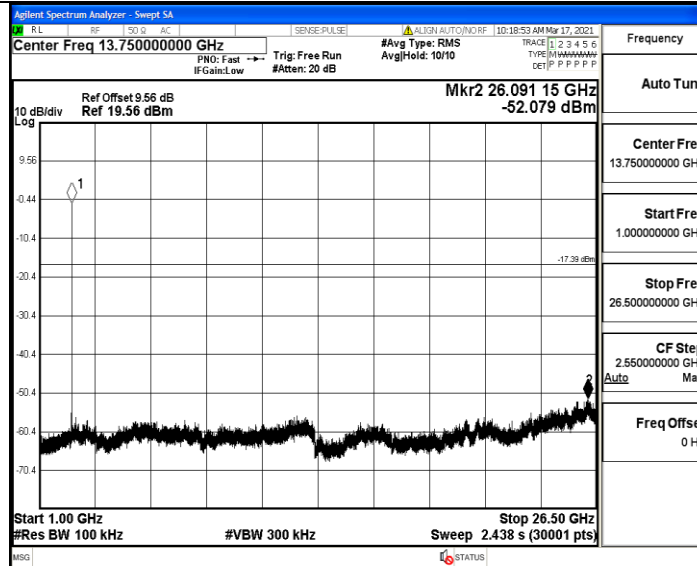
2DH5 Ant1 2480 0~Reference



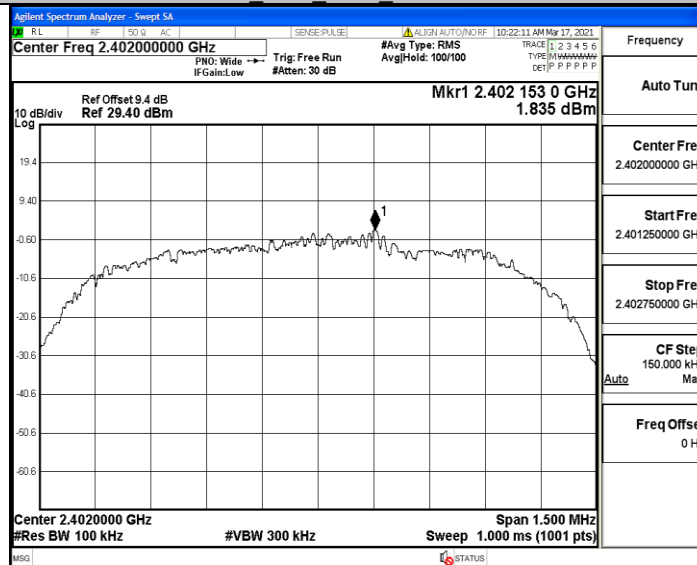
2DH5 Ant1 2480 30~1000



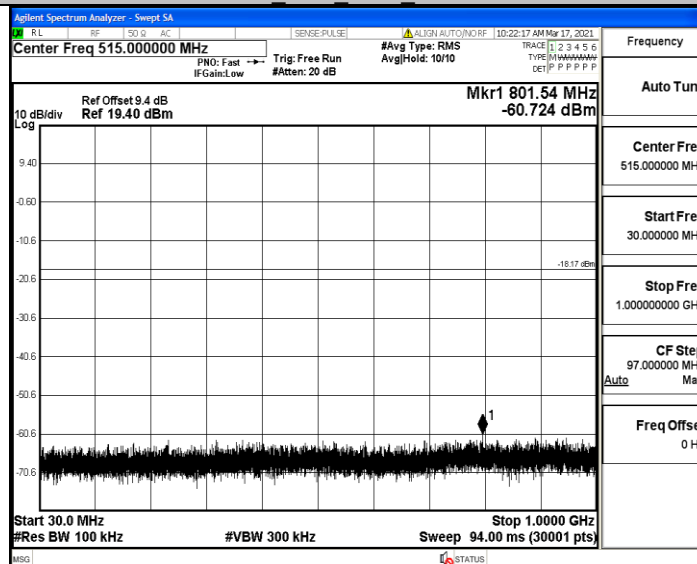
2DH5 Ant1 2480 1000~26500



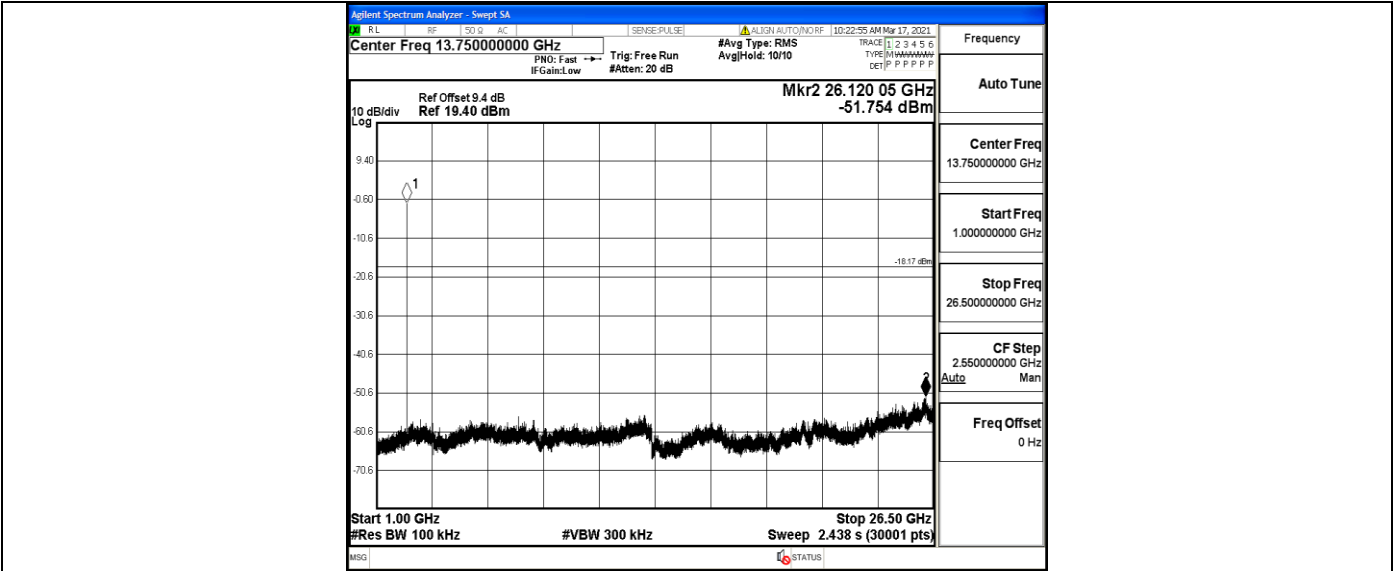
3DH5_Ant1_2402_0~Reference



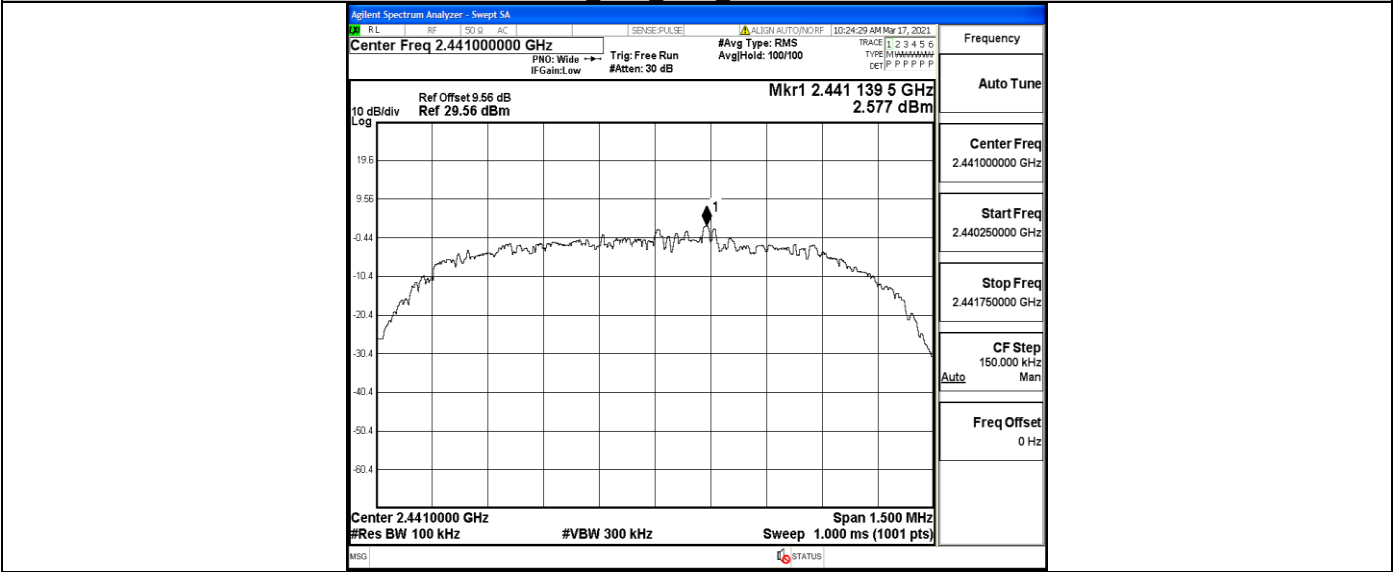
3DH5_Ant1_2402_30~1000



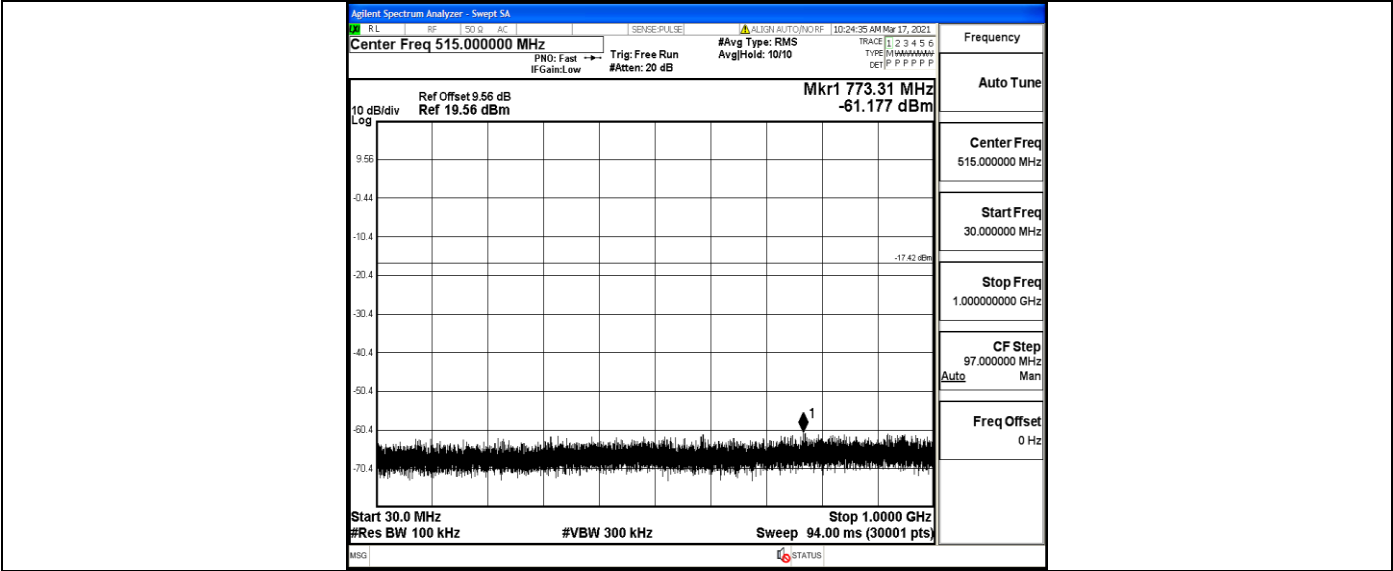
3DH5_Ant1_2402_1000~26500



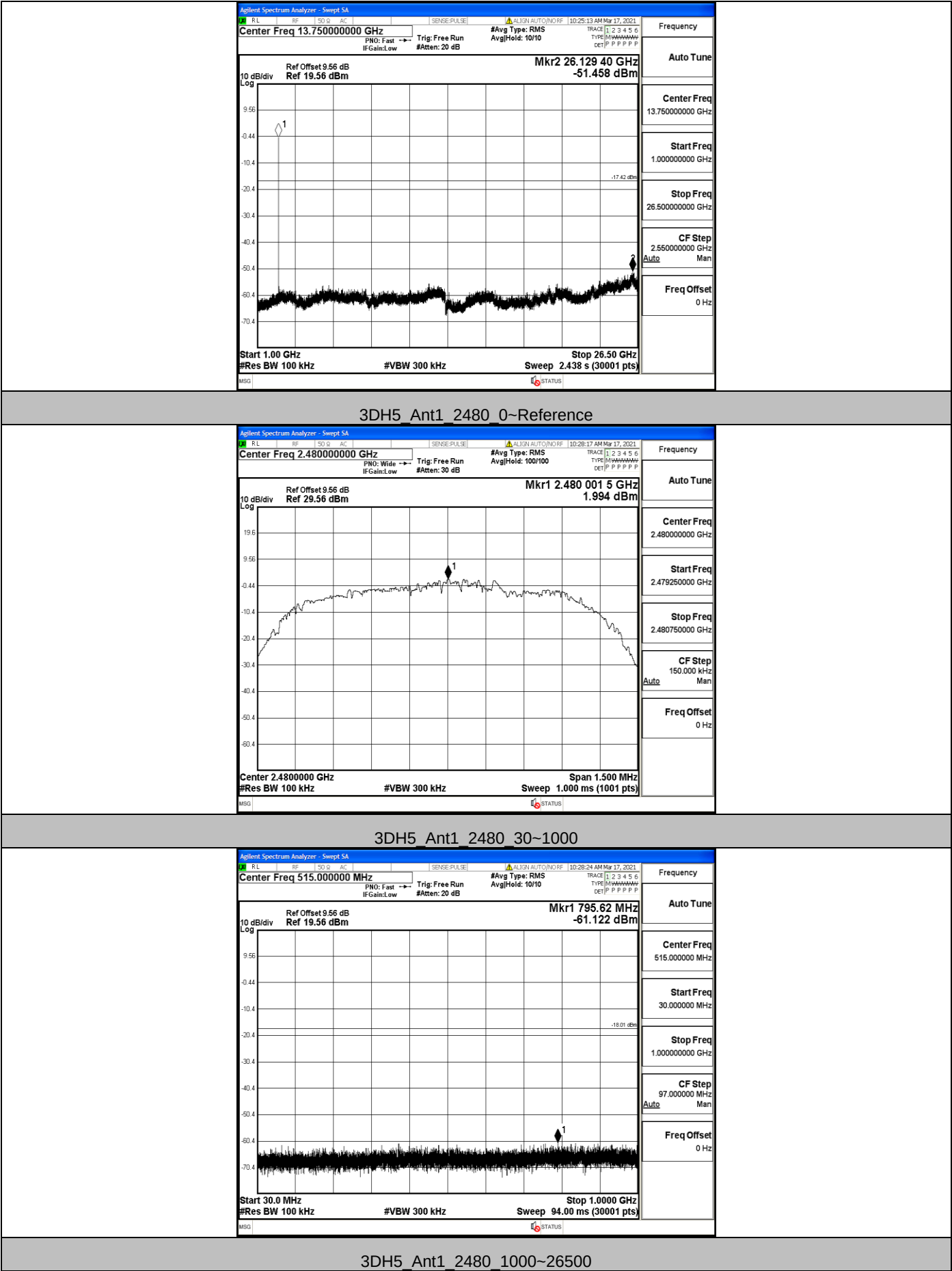
3DH5_Ant1_2441_0~Reference

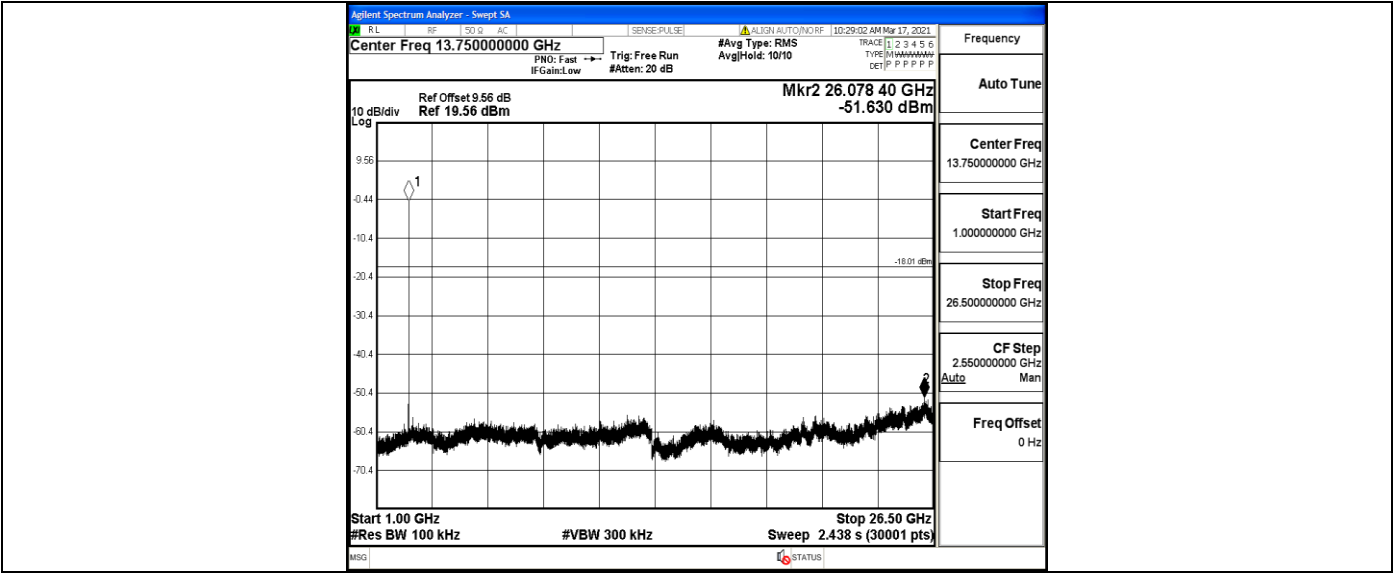


3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500





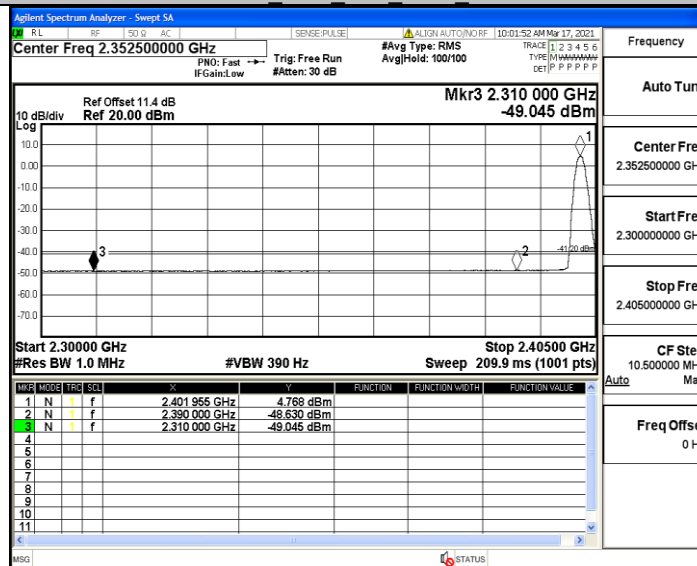
A.8 Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel(MHz)	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.05	<=-41.20	PASS
				AV	2390.000	-48.63	<=-41.20	PASS
				Peak	2310.000	-40.63	<=-21.20	PASS
				Peak	2390.000	-41.55	<=-21.20	PASS
		High	2480	AV	2483.500	-47.33	<=-41.20	PASS
				AV	2500.000	-48	<=-41.20	PASS
				Peak	2483.500	-40.86	<=-21.20	PASS
				Peak	2500.000	-38.96	<=-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.01	<=-41.20	PASS
				AV	2390.000	-48.69	<=-41.20	PASS
				Peak	2310.000	-42.52	<=-21.20	PASS
				Peak	2390.000	-40.41	<=-21.20	PASS
		High	2480	AV	2483.500	-47.51	<=-41.20	PASS
				AV	2500.000	-48.05	<=-41.20	PASS
				Peak	2483.500	-41.94	<=-21.20	PASS
				Peak	2500.000	-40.64	<=-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.02	<=-41.20	PASS
				AV	2390.000	-48.76	<=-41.20	PASS
				Peak	2310.000	-41.96	<=-21.20	PASS
				Peak	2390.000	-42.68	<=-21.20	PASS
		High	2480	AV	2483.500	-47.25	<=-41.20	PASS
				AV	2500.000	-47.99	<=-41.20	PASS
				Peak	2483.500	-39.19	<=-21.20	PASS
				Peak	2500.000	-39.89	<=-21.20	PASS

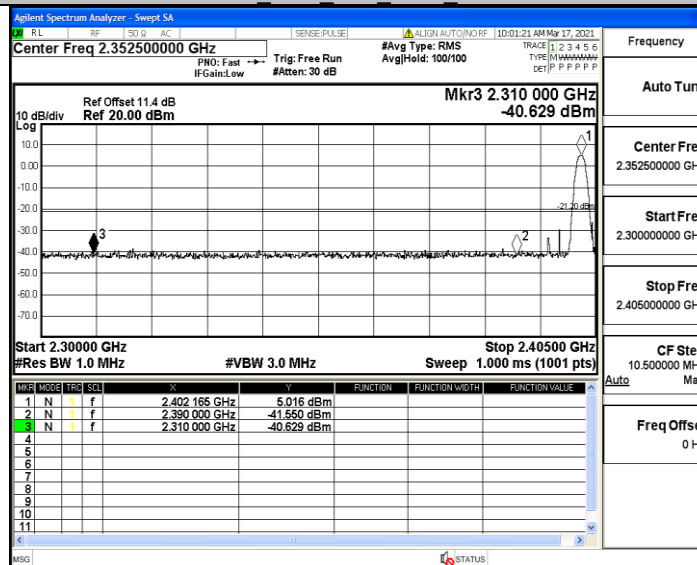
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.

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.

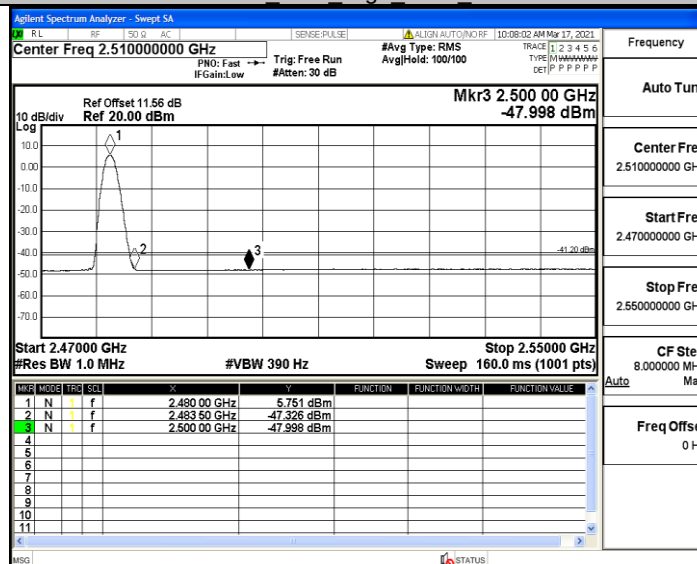
DH5 Ant1 Low 2402 AV



DH5 Ant1 Low 2402 Peak

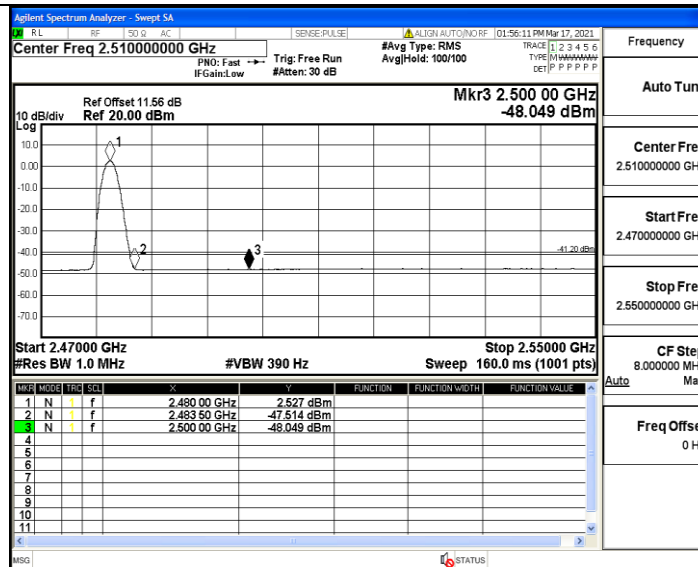


DH5 Ant1 High 2480 AV

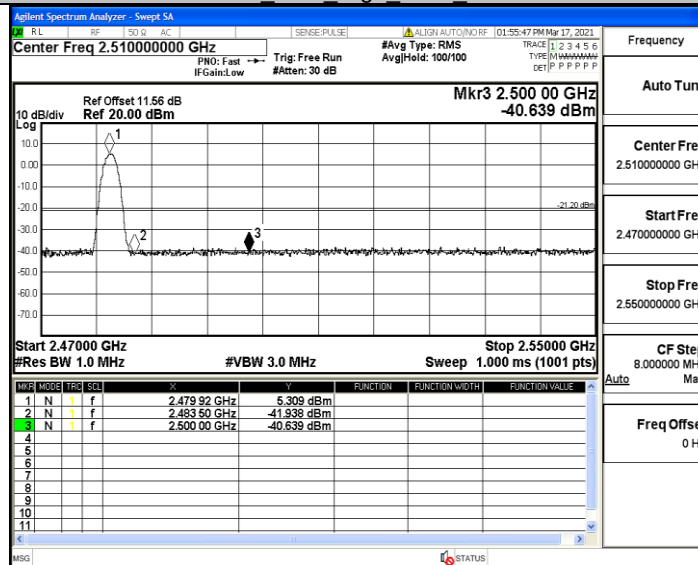


DH5 Ant1 High 2480 Peak

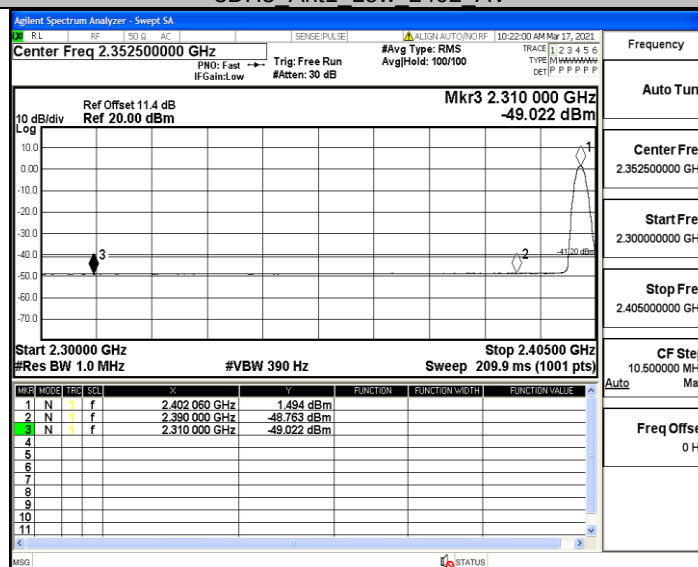




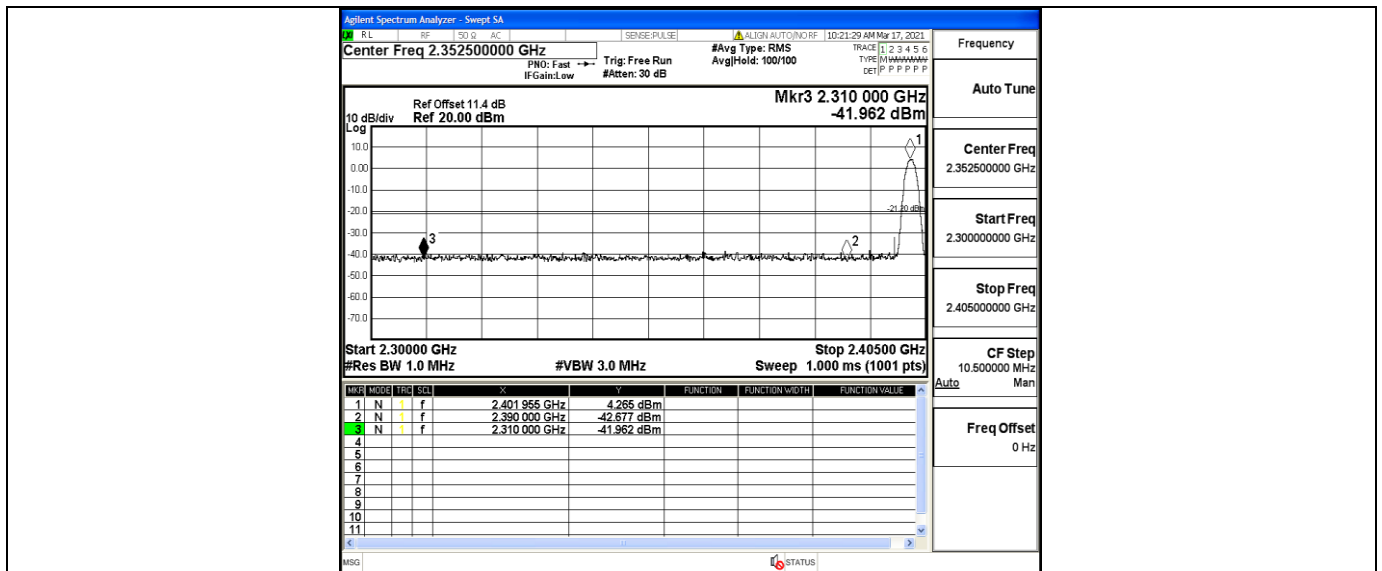
2DH5 Ant1 High 2480 Peak



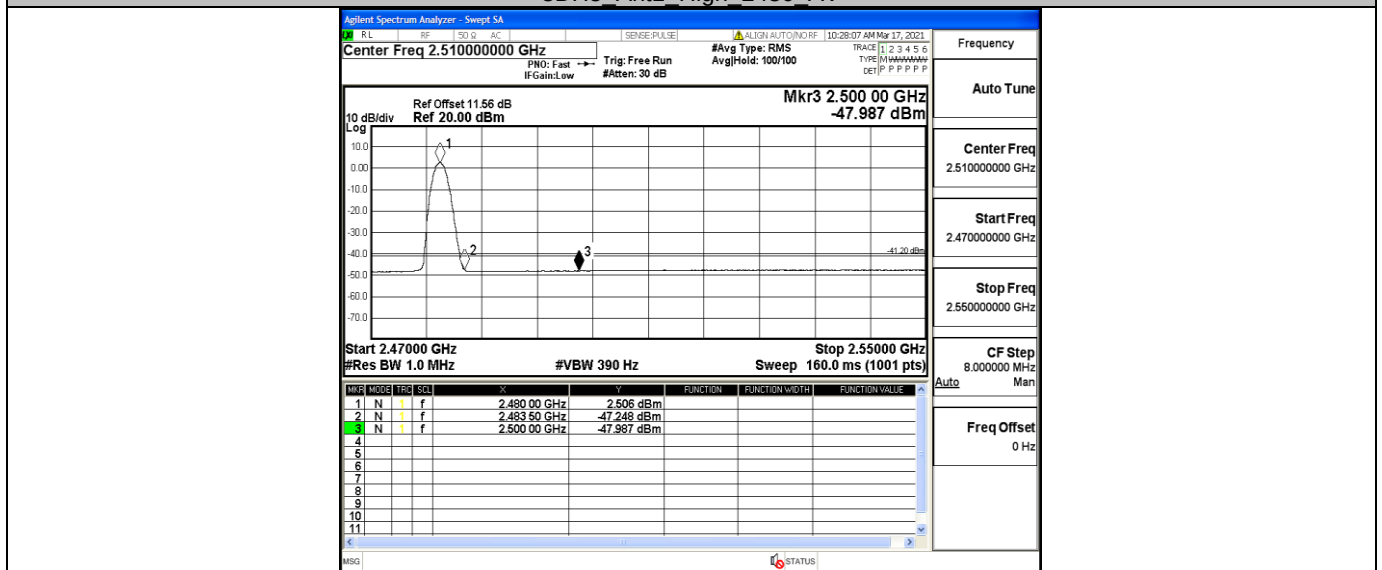
3DH5 Ant1 Low 2402 AV



3DH5 Ant1 Low 2402 Peak



3DH5 Ant1 High 2480 AV



3DH5 Ant1 High 2480 Peak

