

Appendix A

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

Product Name: Wireless Gaming headset

Trade Mark: N/A

Test Model: CB-GH200

FCC ID: 2A2QG-CB-GH200

Environmental Conditions

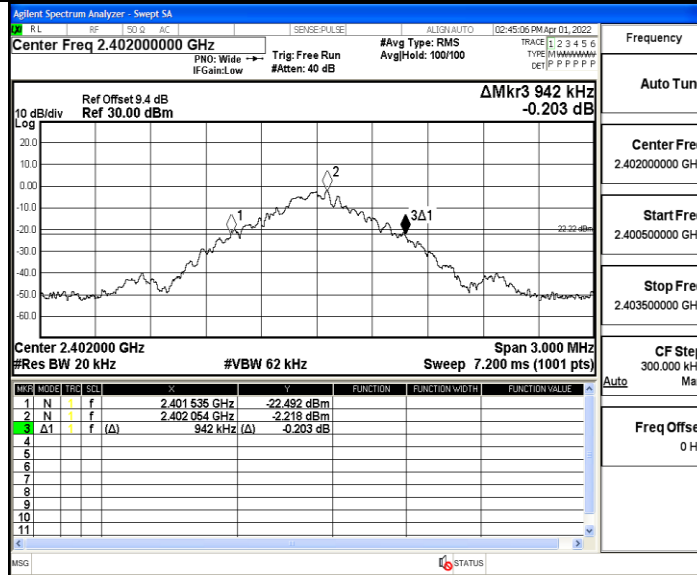
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

A.1 20 dB Bandwidth

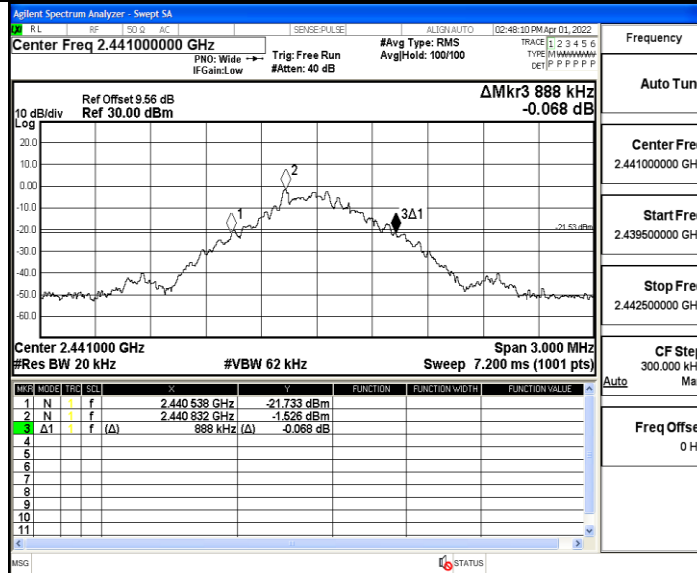
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.535	2402.477	---	---
		2441	0.888	2440.538	2441.426	---	---
		2480	0.942	2479.535	2480.477	---	---
2DH5	Ant1	2402	1.323	2401.334	2402.657	---	---
		2441	1.323	2440.334	2441.657	---	---
		2480	1.224	2479.379	2480.603	---	---
3DH5	Ant1	2402	1.257	2401.355	2402.612	---	---
		2441	1.245	2440.364	2441.609	---	---
		2480	1.239	2479.364	2480.603	---	---

Test Graph

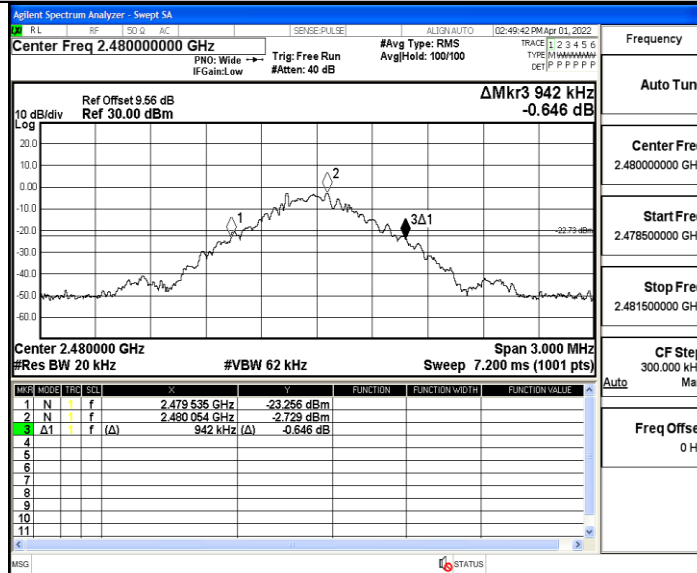
DH5_Ant1_2402



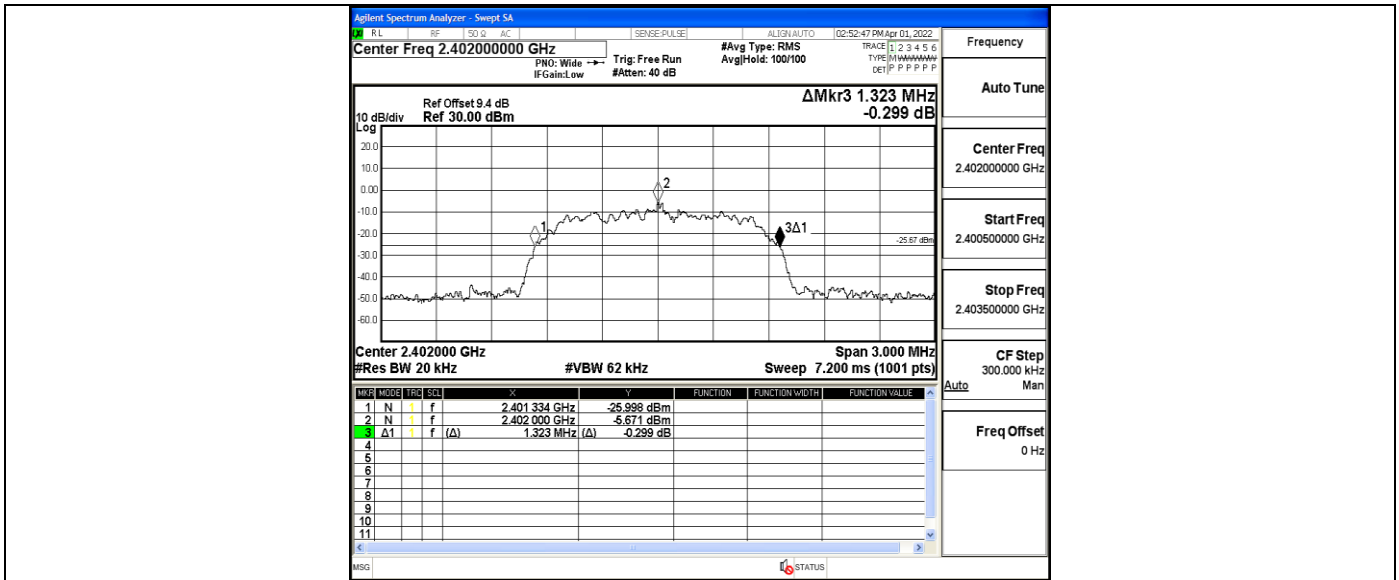
DH5_Ant1_2441



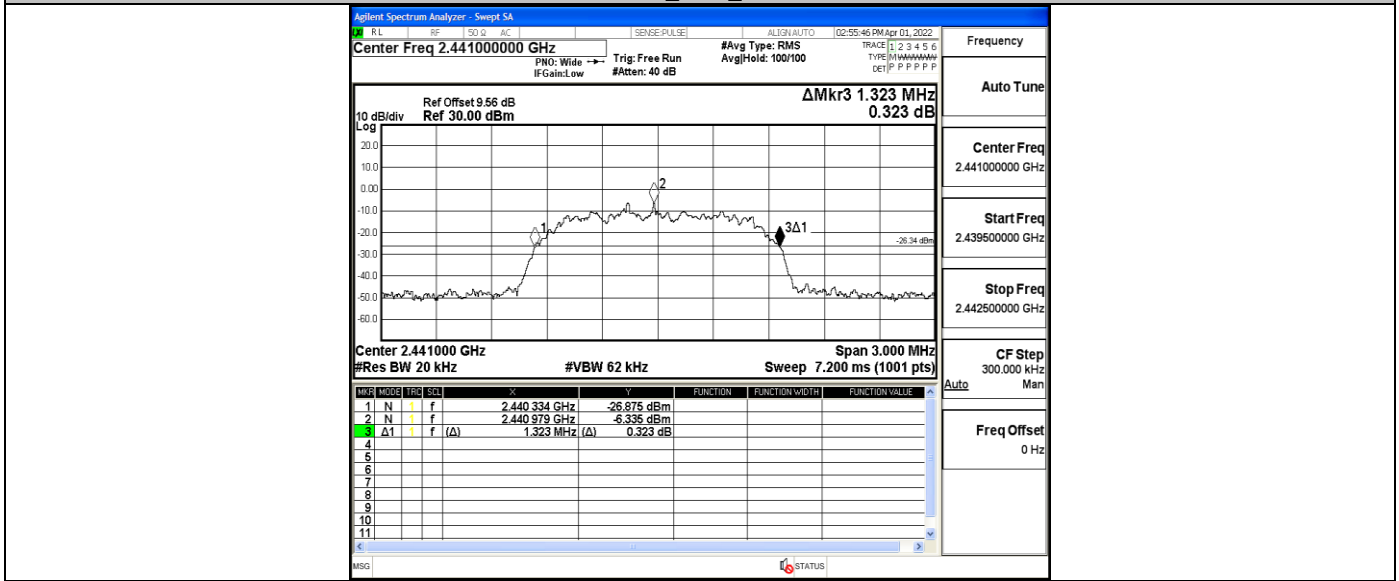
DH5_Ant1_2480



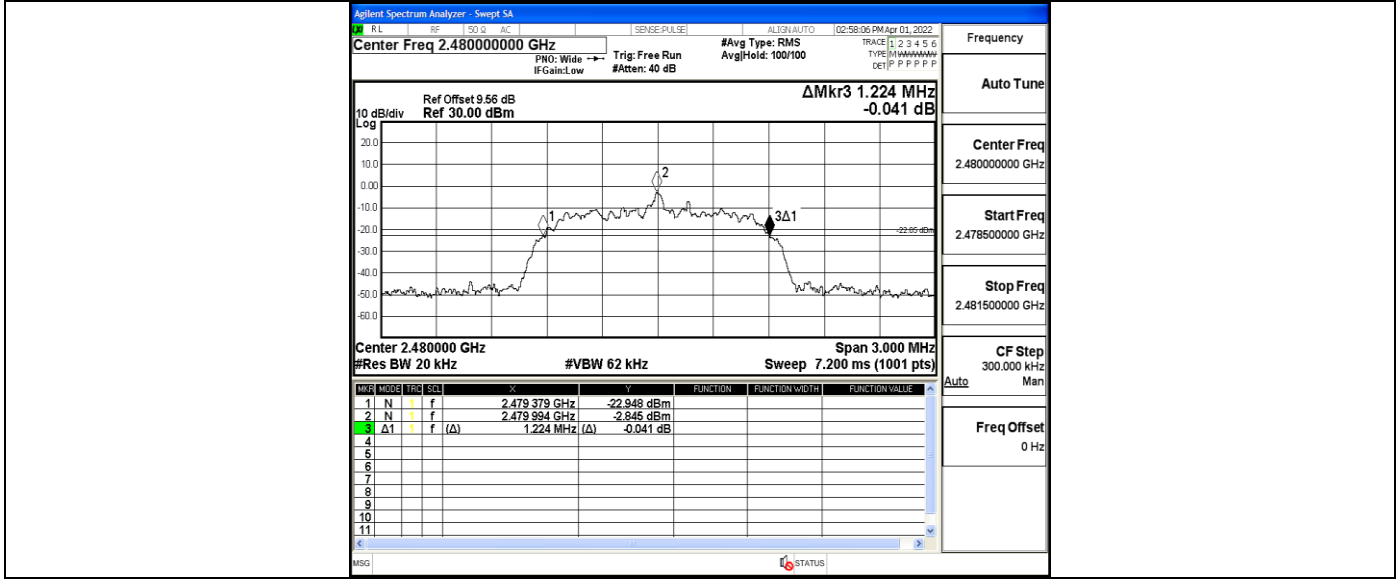
2DH5_Ant1_2402



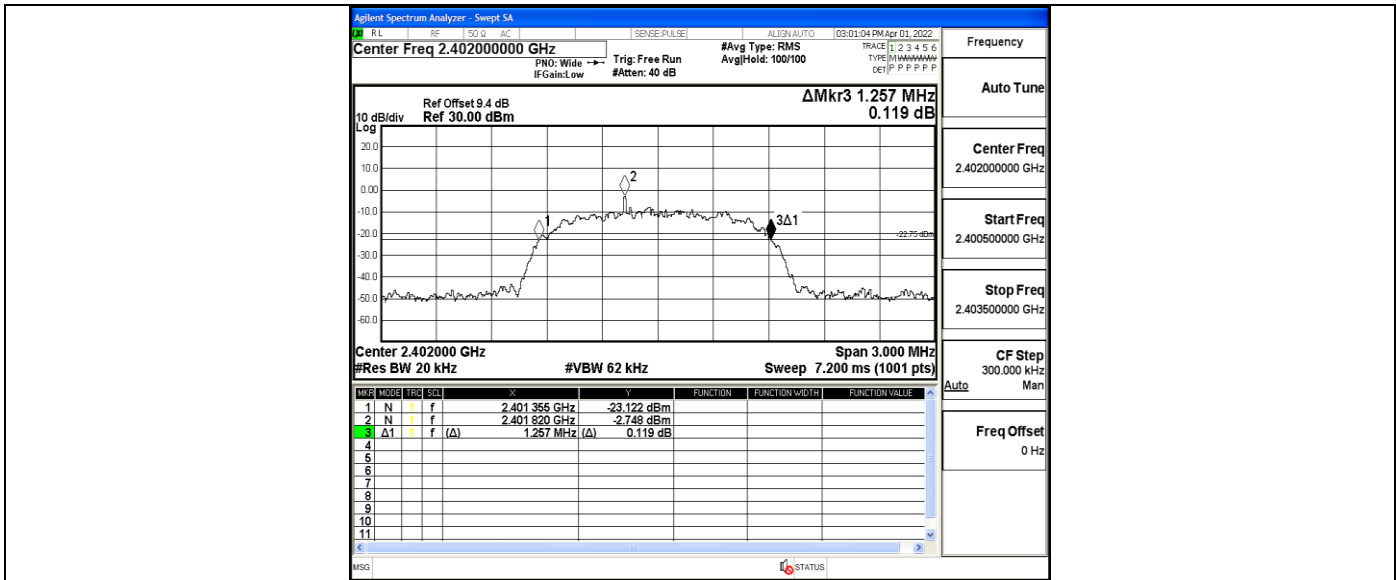
2D45_Ant1_2441



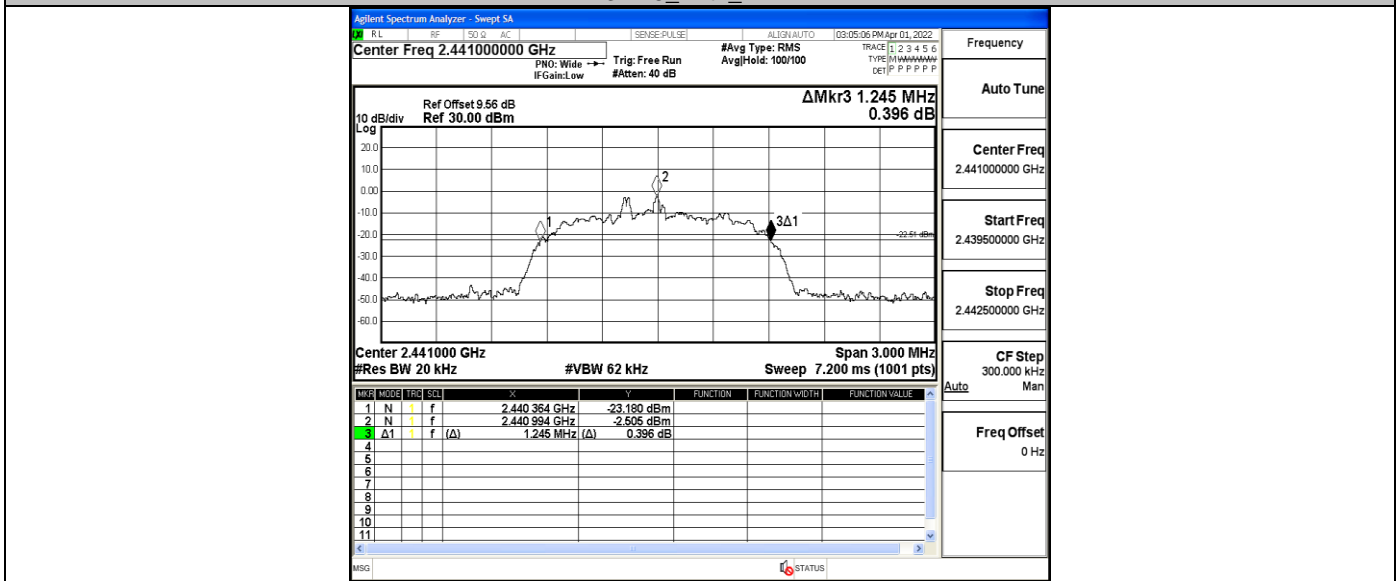
2D45_Ant1_2480



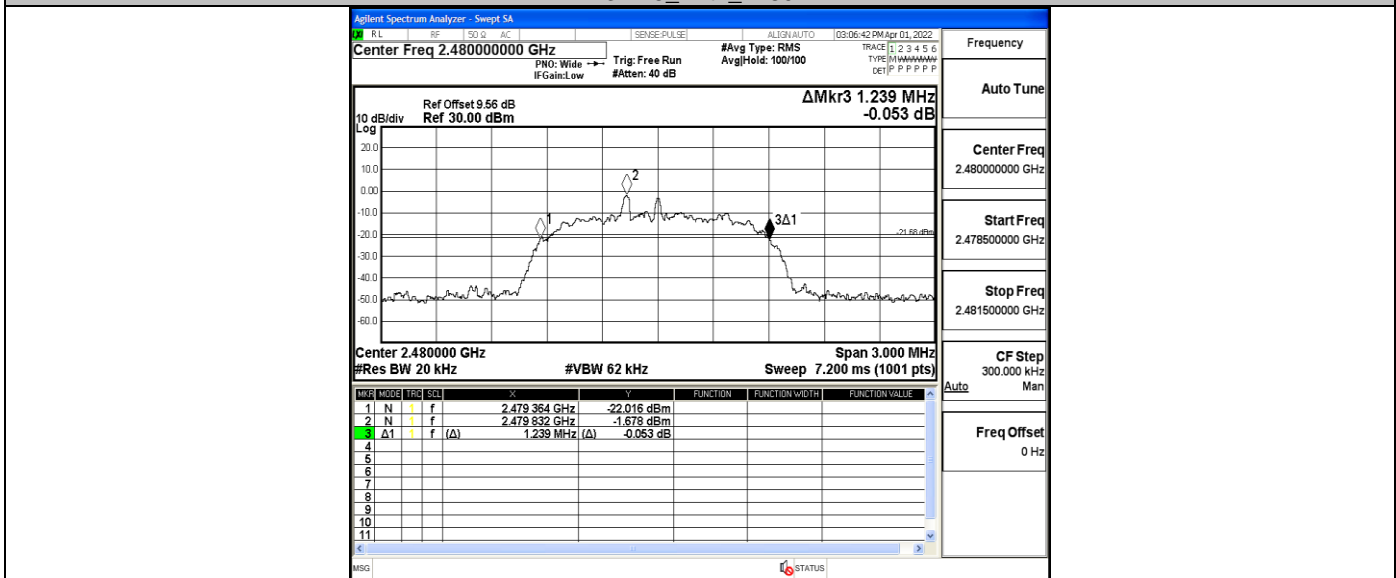
3D45_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

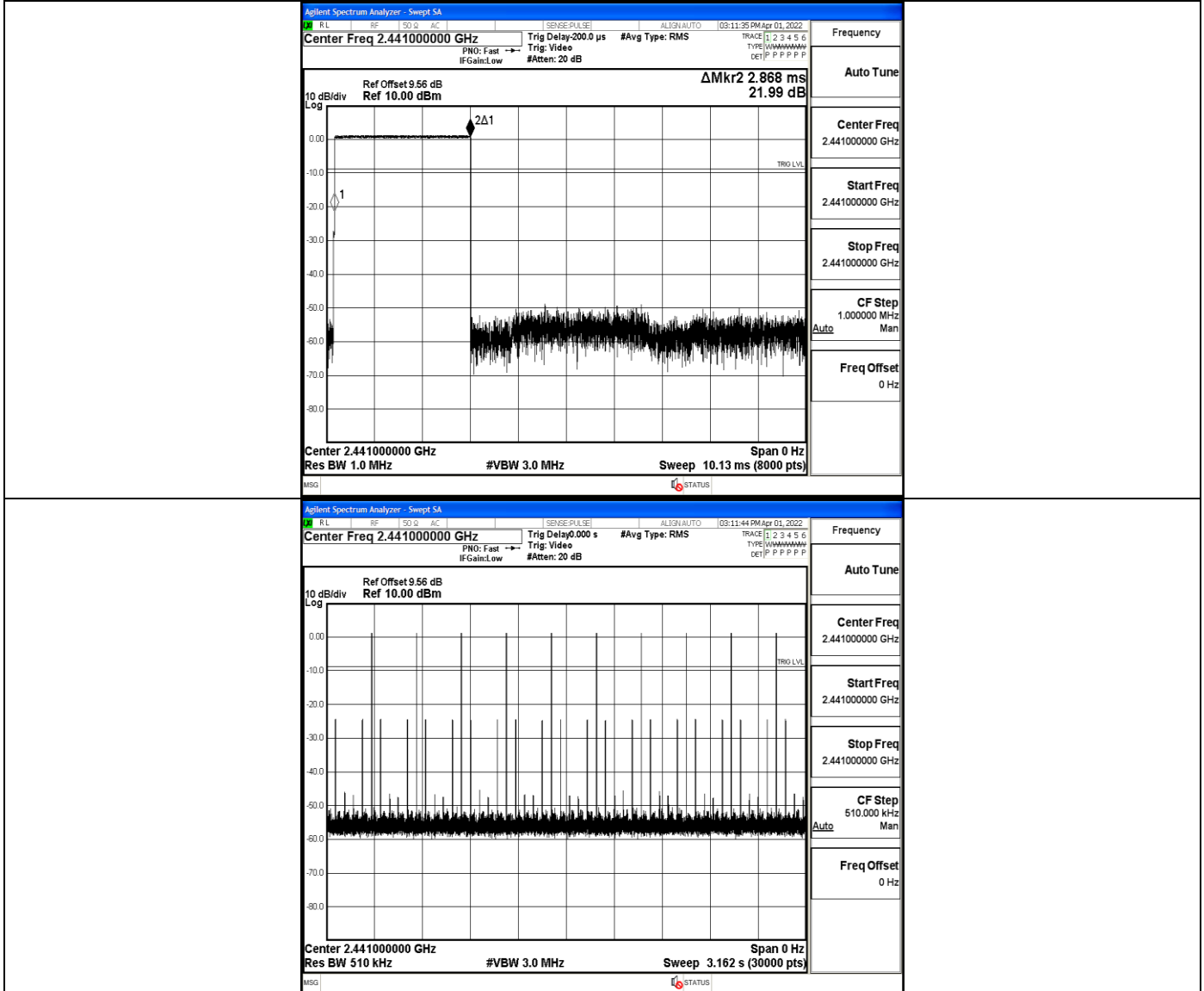


A.2 Dwell Time

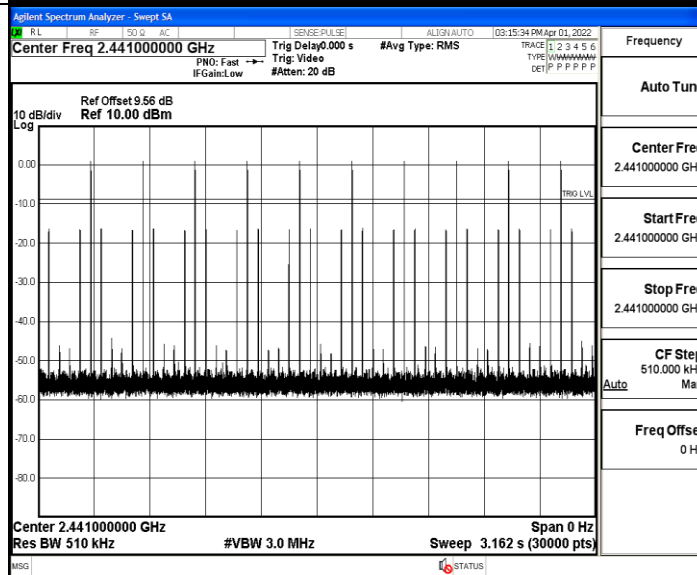
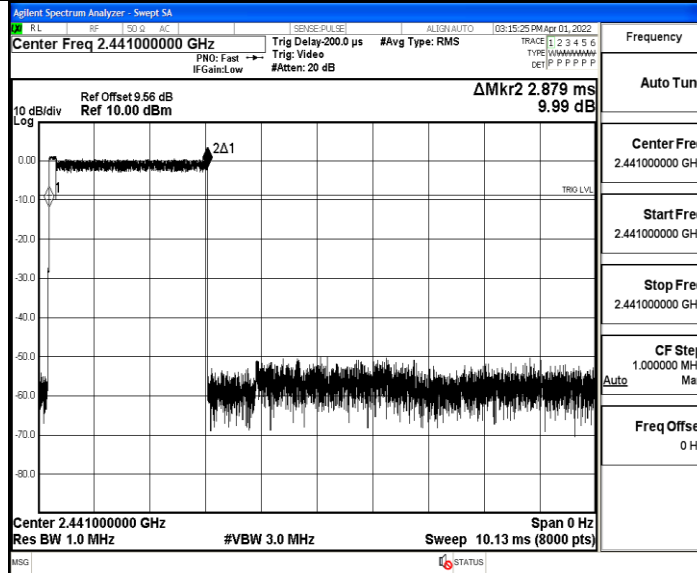
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	110	0.315	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graph

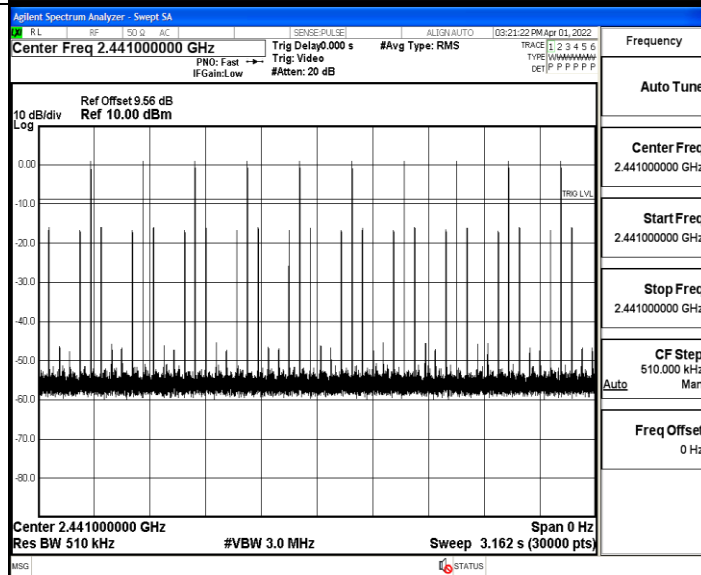
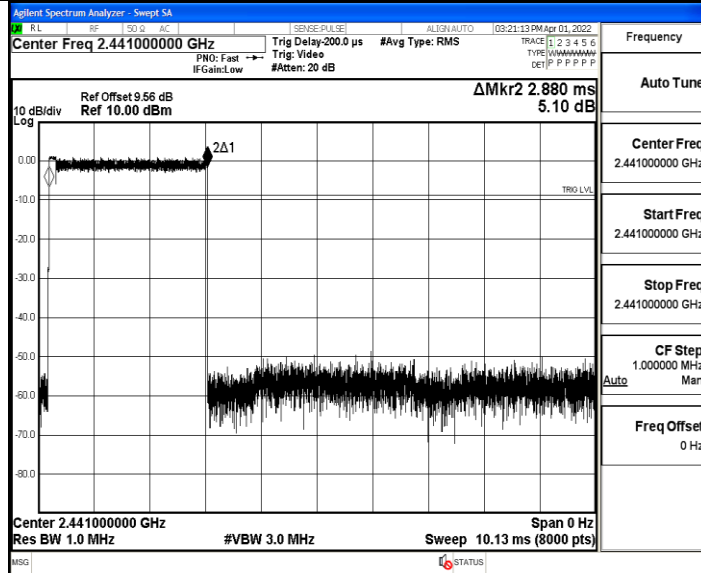
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

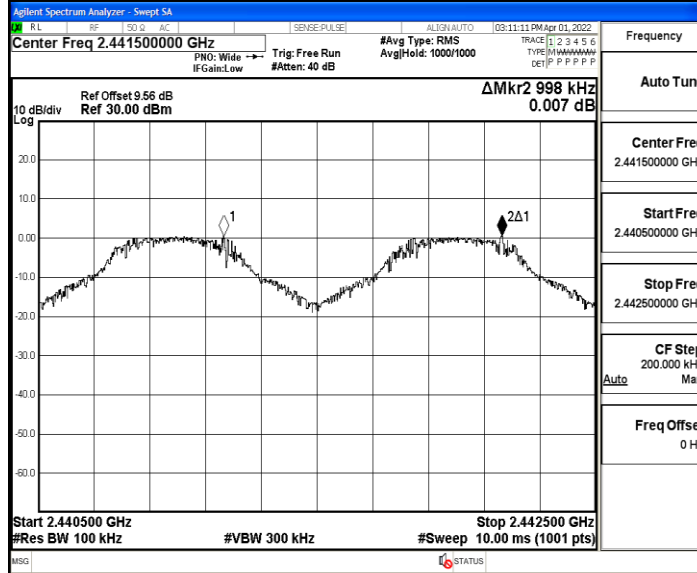


A.3 Carrier Frequency Separation

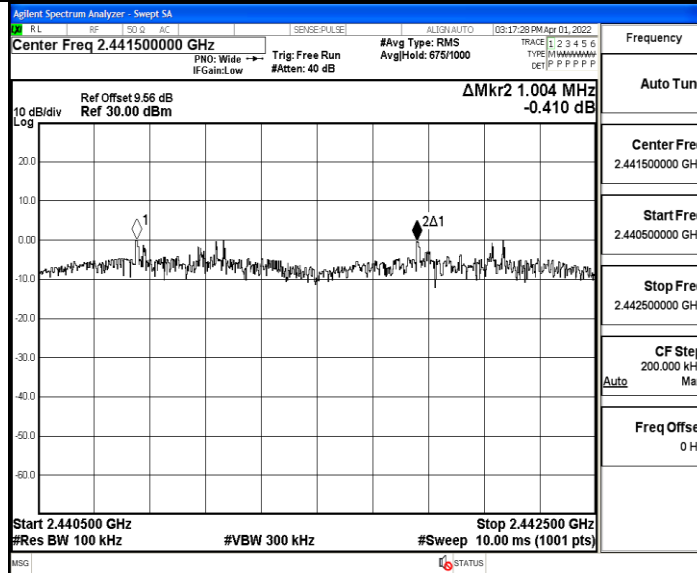
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.942	PASS
2DH5	Ant1	Hop	1.004	≥ 0.882	PASS
3DH5	Ant1	Hop	1.008	≥ 0.838	PASS

Test Graph

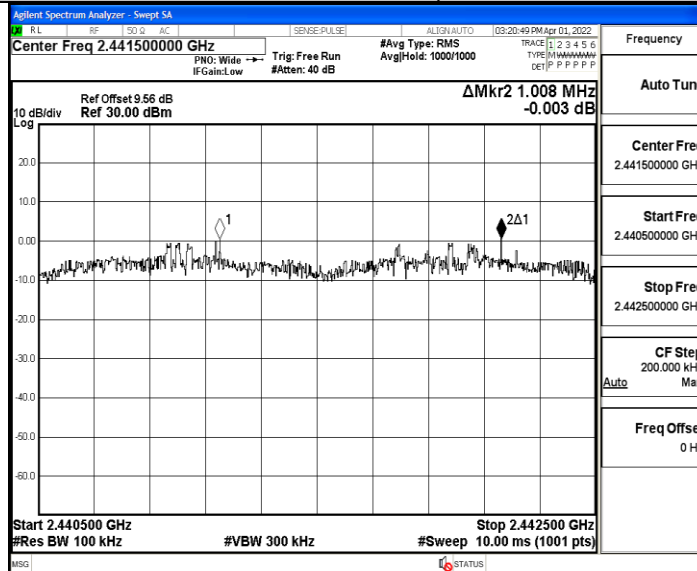
DH5_Ant1_Hop



2DH5_Ant1_Hop



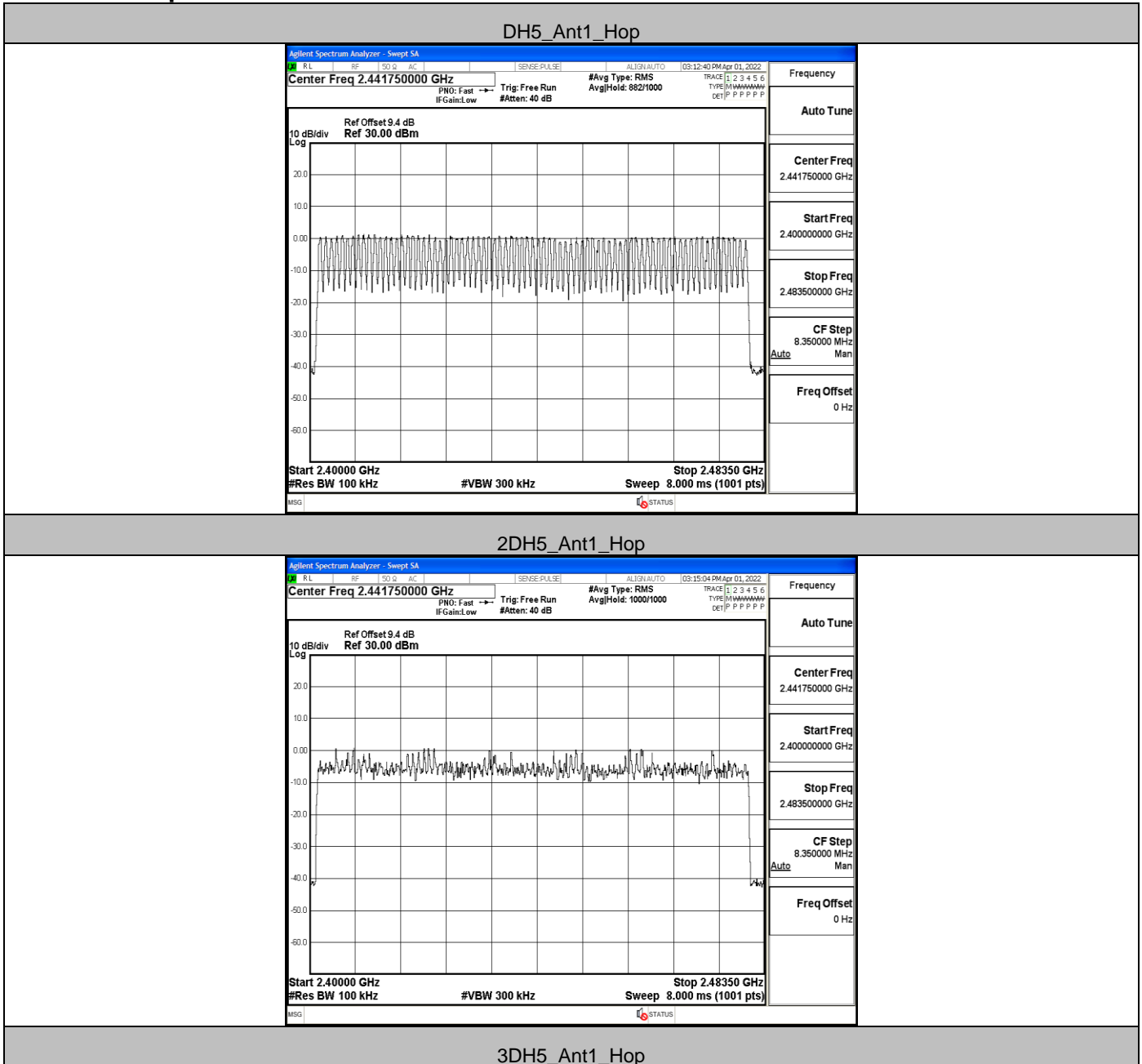
3DH5_Ant1_Hop

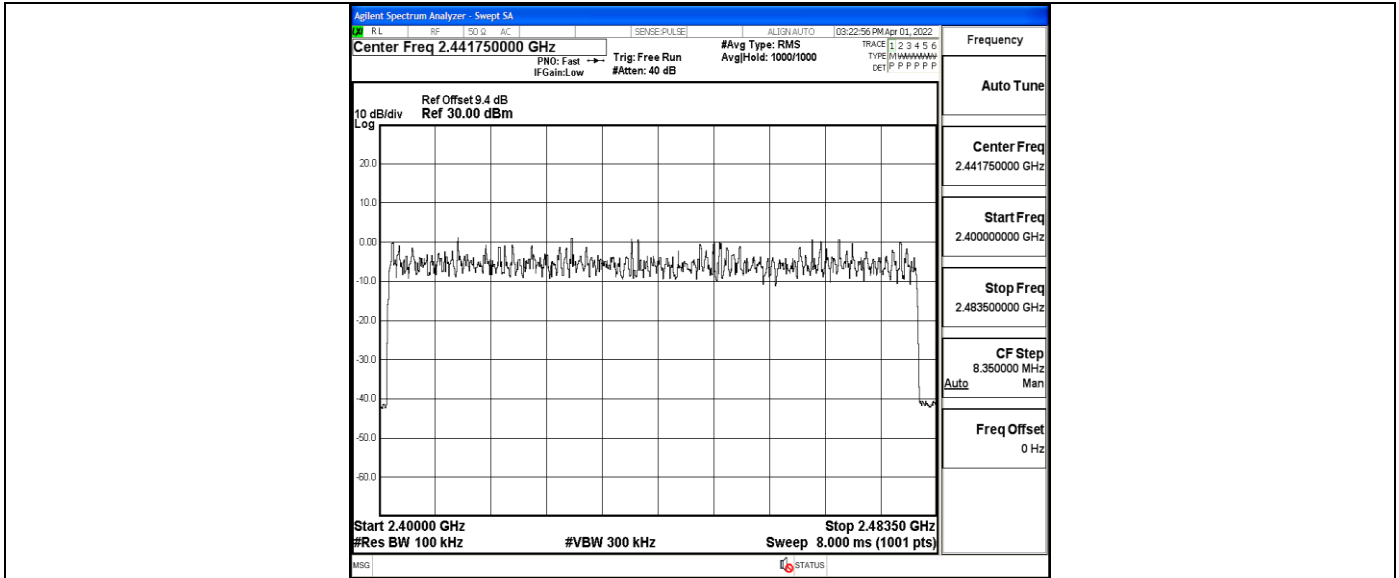


A.4 Hopping Channel Number

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

Test Graph

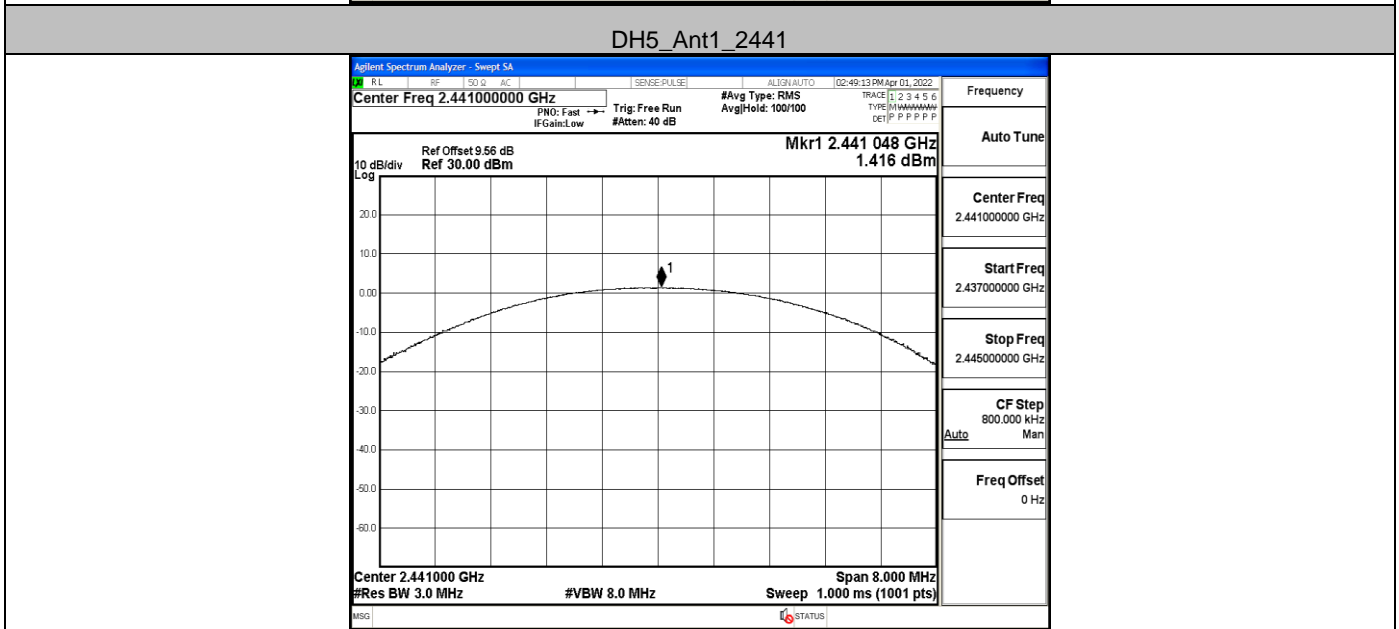
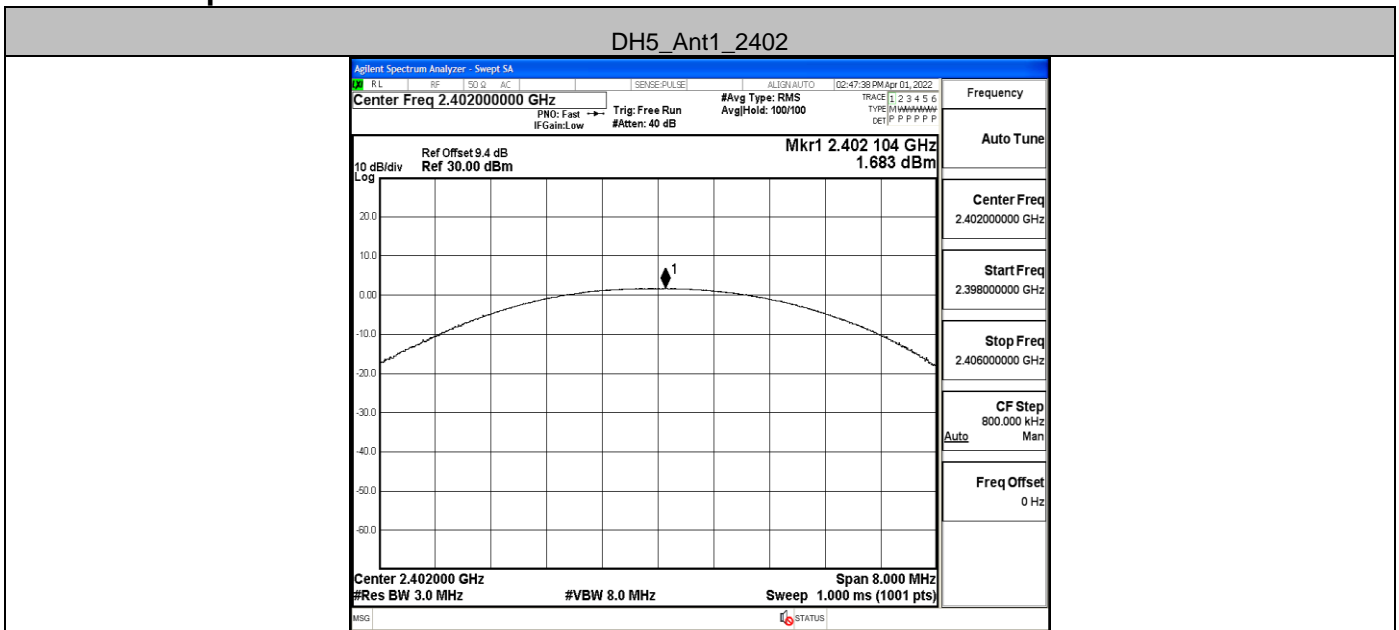




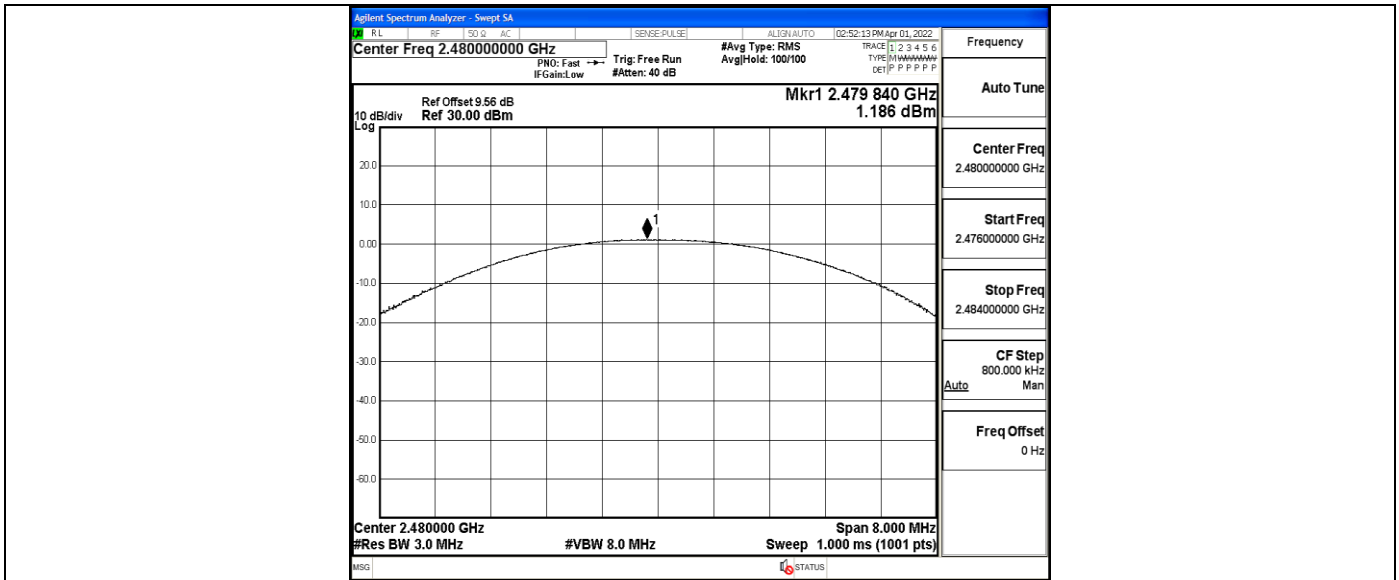
A.5 Conducted Peak Output Power

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.68	≤30	PASS
		2441	1.42	≤30	PASS
		2480	1.19	≤30	PASS
2DH5	Ant1	2402	1.56	≤20.97	PASS
		2441	1.3	≤20.97	PASS
		2480	1.03	≤20.97	PASS
3DH5	Ant1	2402	1.78	≤20.97	PASS
		2441	1.31	≤20.97	PASS
		2480	1.09	≤20.97	PASS

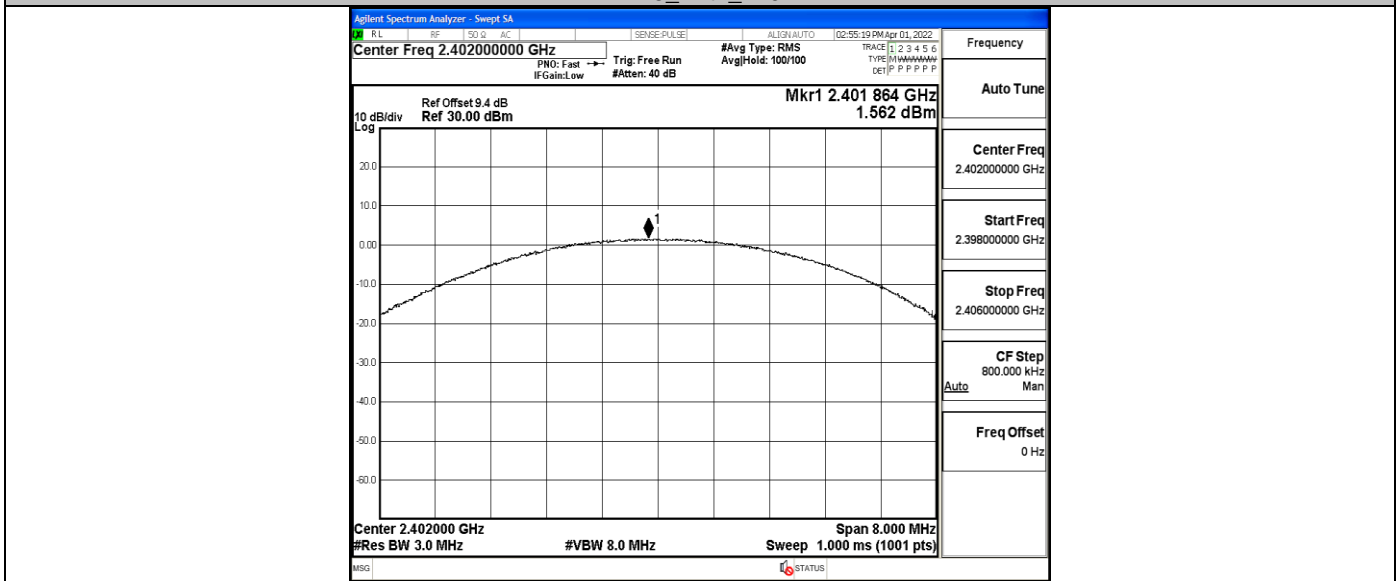
Test Graph



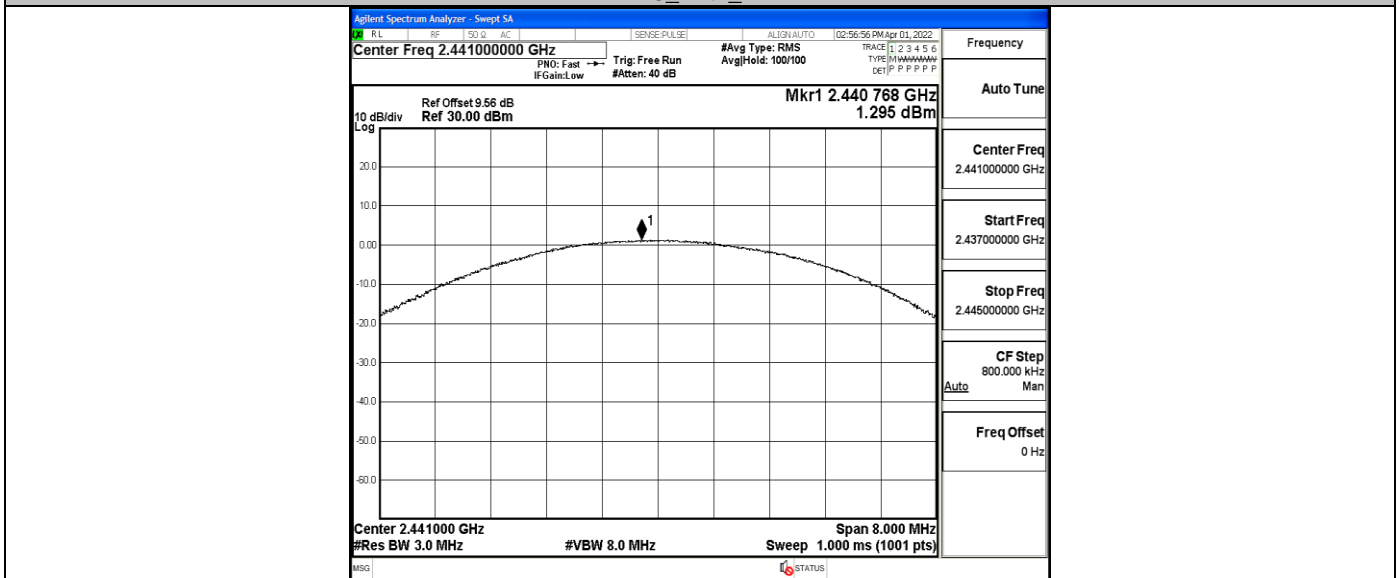
DH5_Ant1_2480



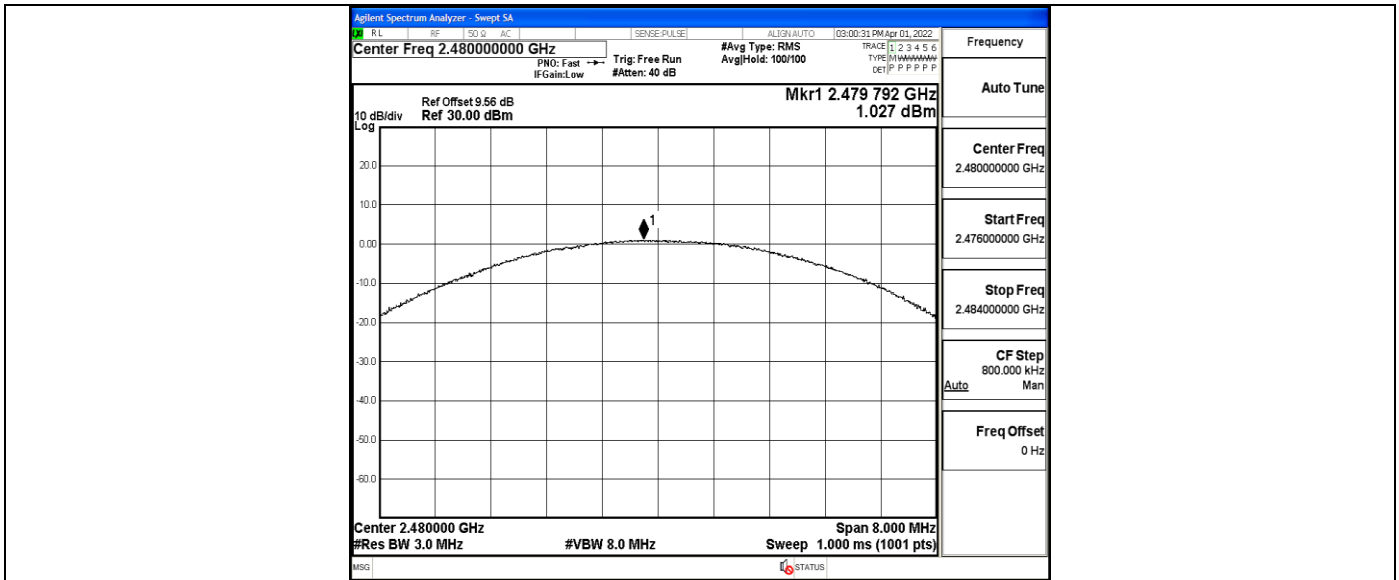
2DH5_Ant1_2402



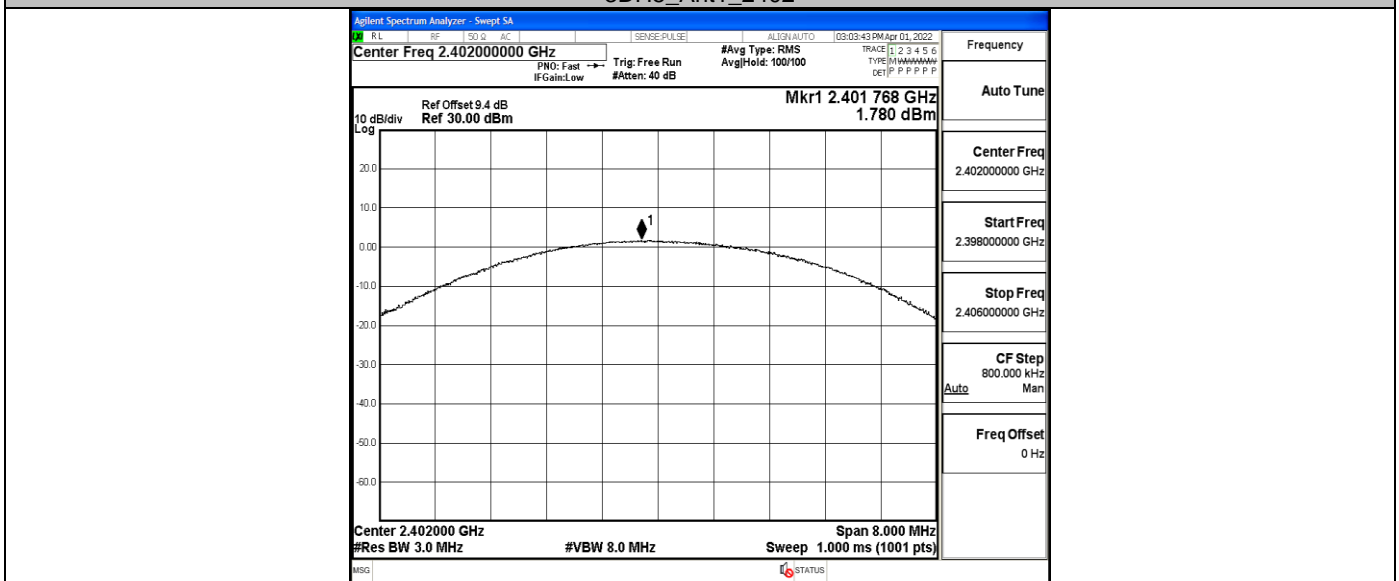
2DH5_Ant1_2441



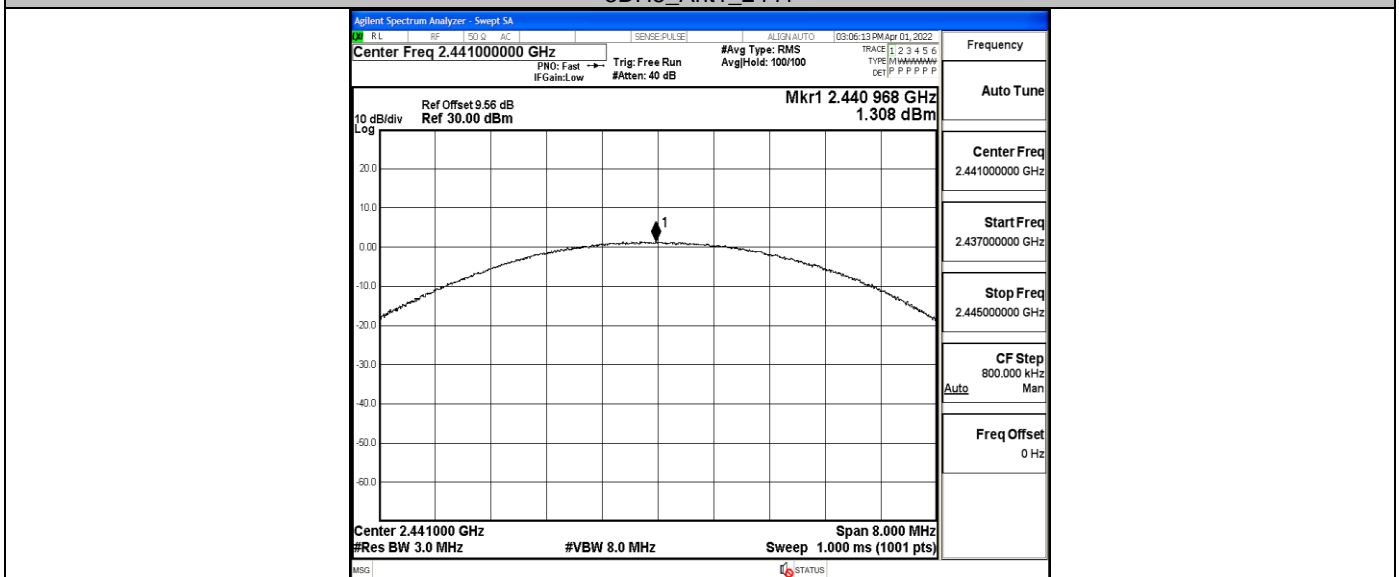
2DH5_Ant1_2480



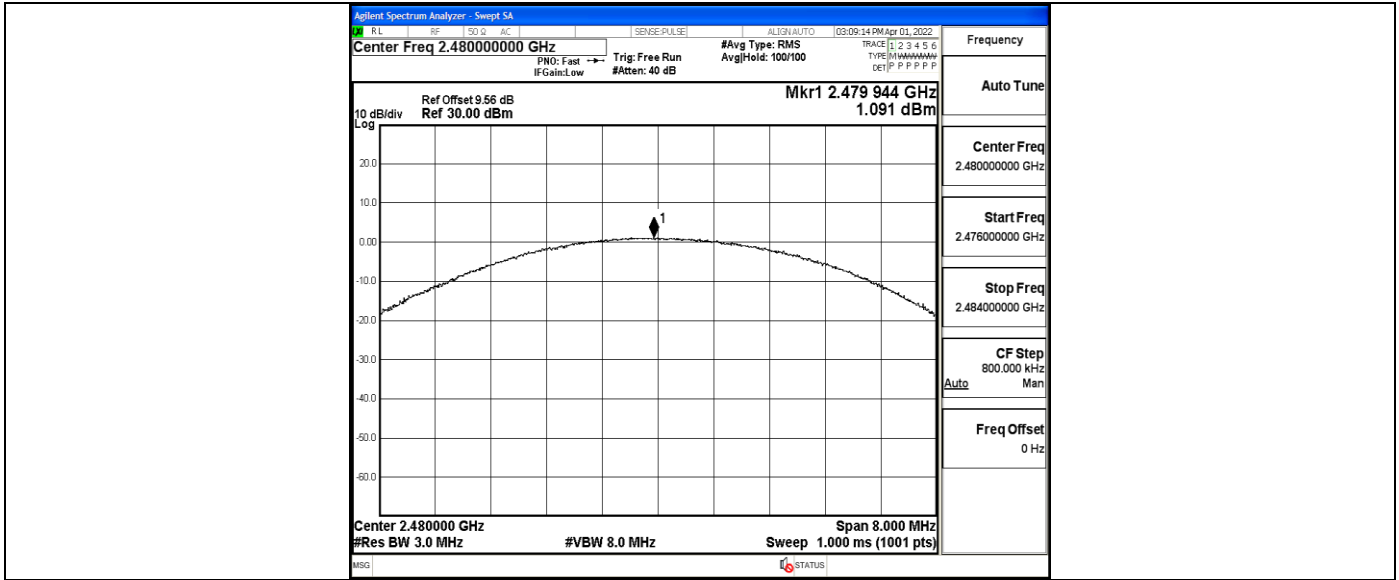
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

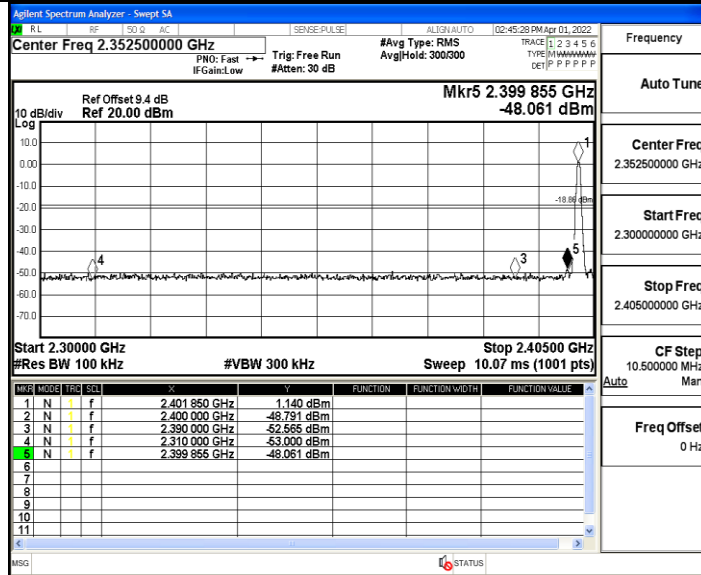


A.6 Band-edge for RF Conducted Emissions

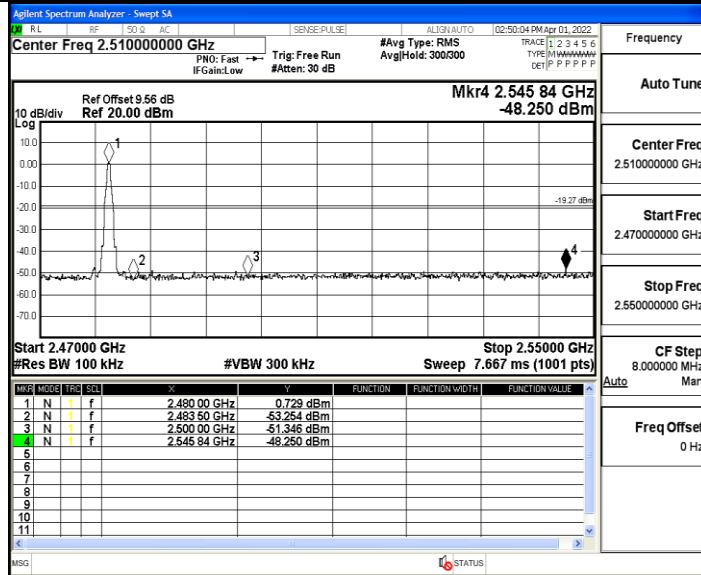
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.14	-48.06	≤-18.86	PASS
		High	2480	0.73	-48.25	≤-19.27	PASS
		Low	Hop_2402	0.61	-47.92	≤-19.39	PASS
		High	Hop_2480	0.53	-47.11	≤-19.47	PASS
2DH5	Ant1	Low	2402	0.43	-49.51	≤-19.57	PASS
		High	2480	-0.25	-48.99	≤-20.25	PASS
		Low	Hop_2402	-1.62	-49.09	≤-21.62	PASS
		High	Hop_2480	-1.59	-48.04	≤-21.59	PASS
3DH5	Ant1	Low	2402	1.25	-48.8	≤-18.75	PASS
		High	2480	0.60	-49.01	≤-19.41	PASS
		Low	Hop_2402	-4.26	-49.8	≤-24.26	PASS
		High	Hop_2480	0.64	-48.7	≤-19.36	PASS

Test Graph

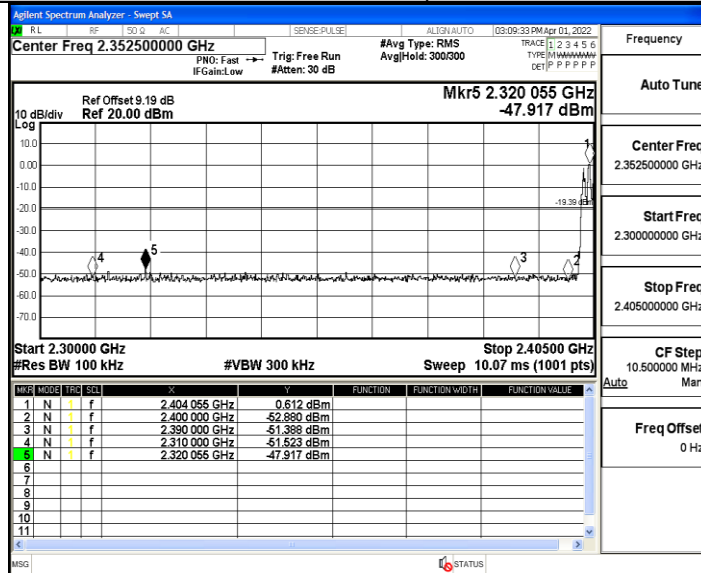
DH5_Ant1_Low_2402



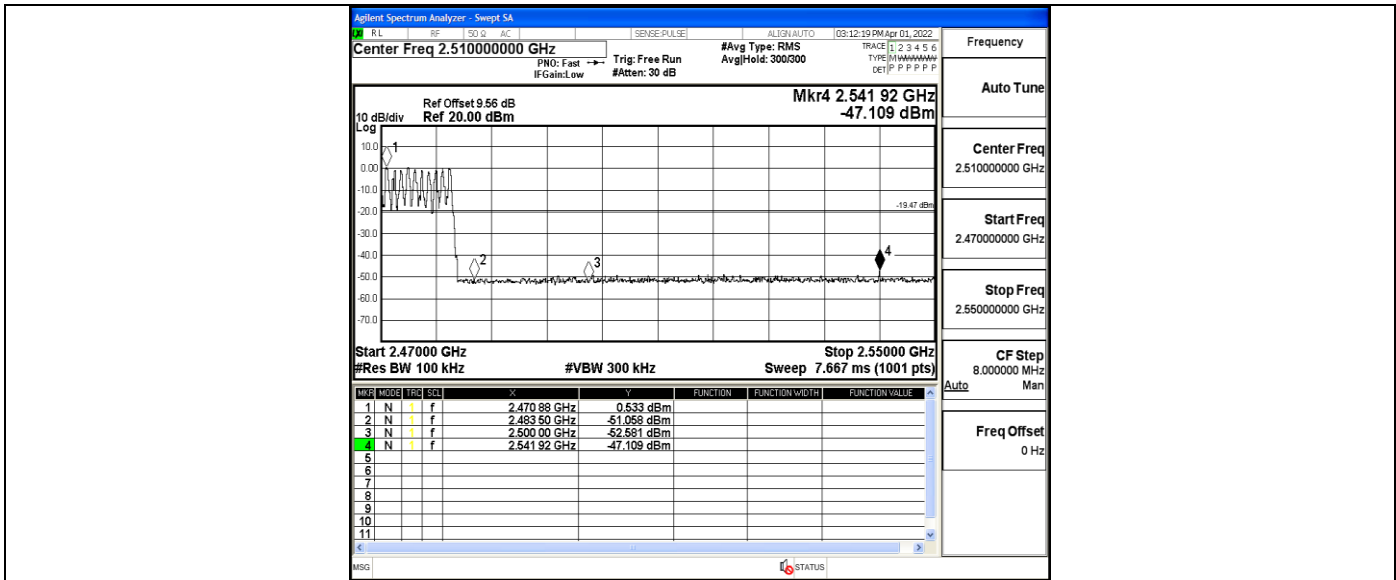
DH5_Ant1_High_2480



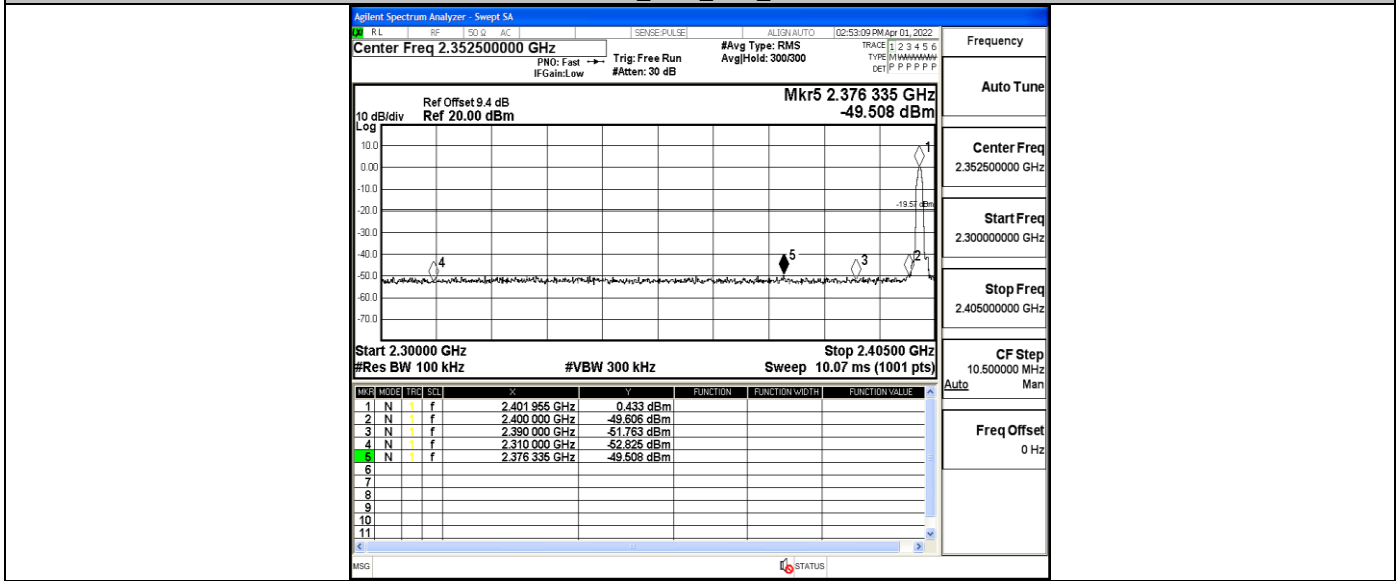
DH5_Ant1_Low_Hop_2402



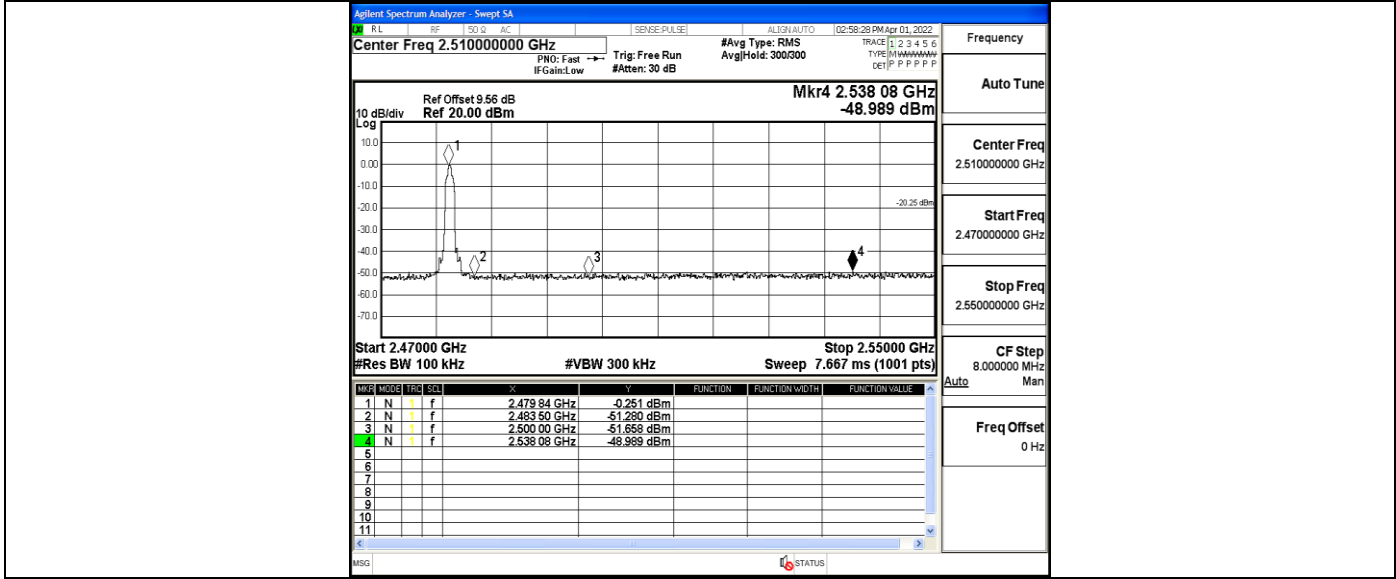
DH5_Ant1_High_Hop_2480



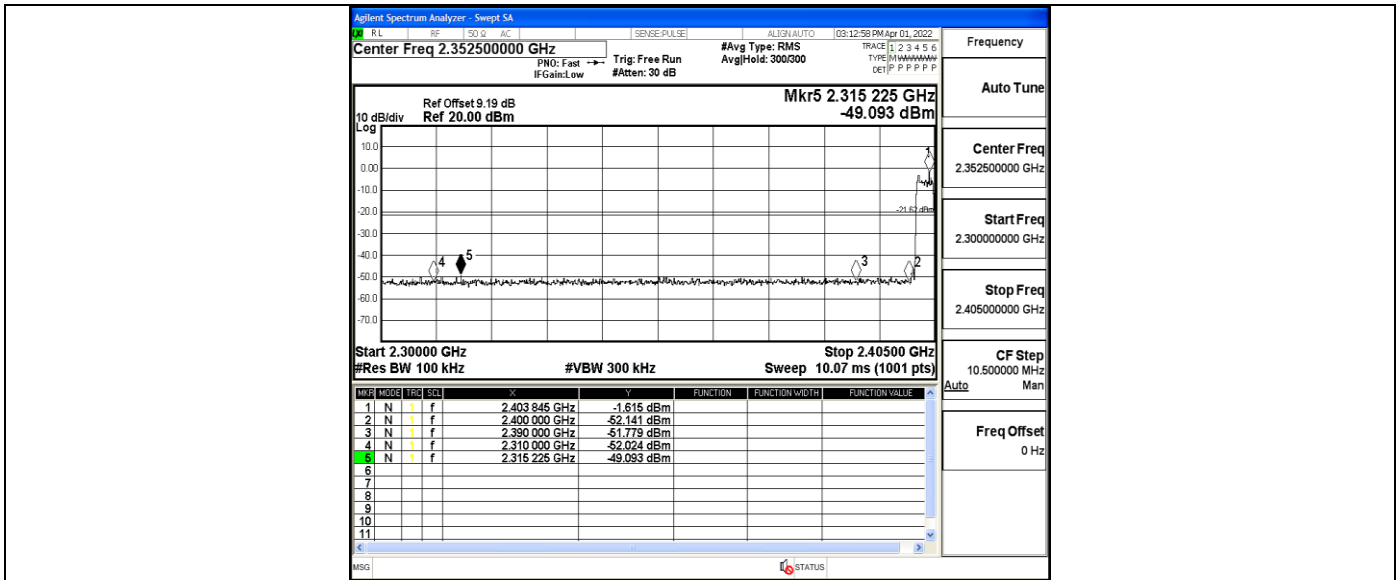
2D5_Ant1_Low_2402



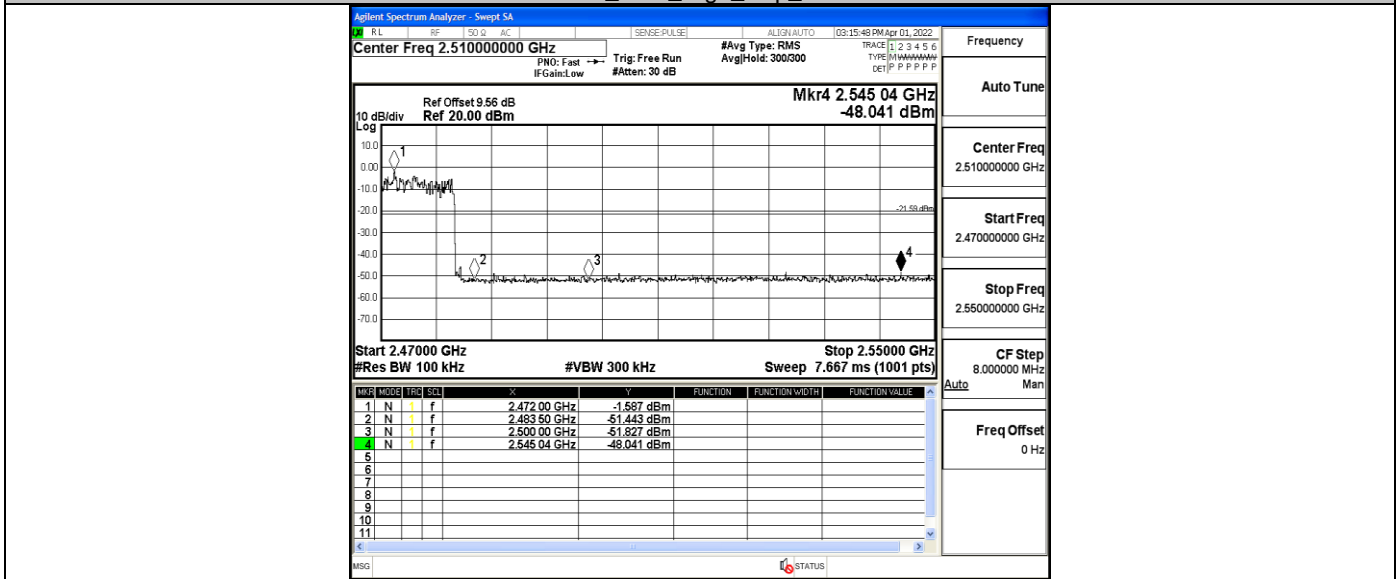
2D5_Ant1_High_2480



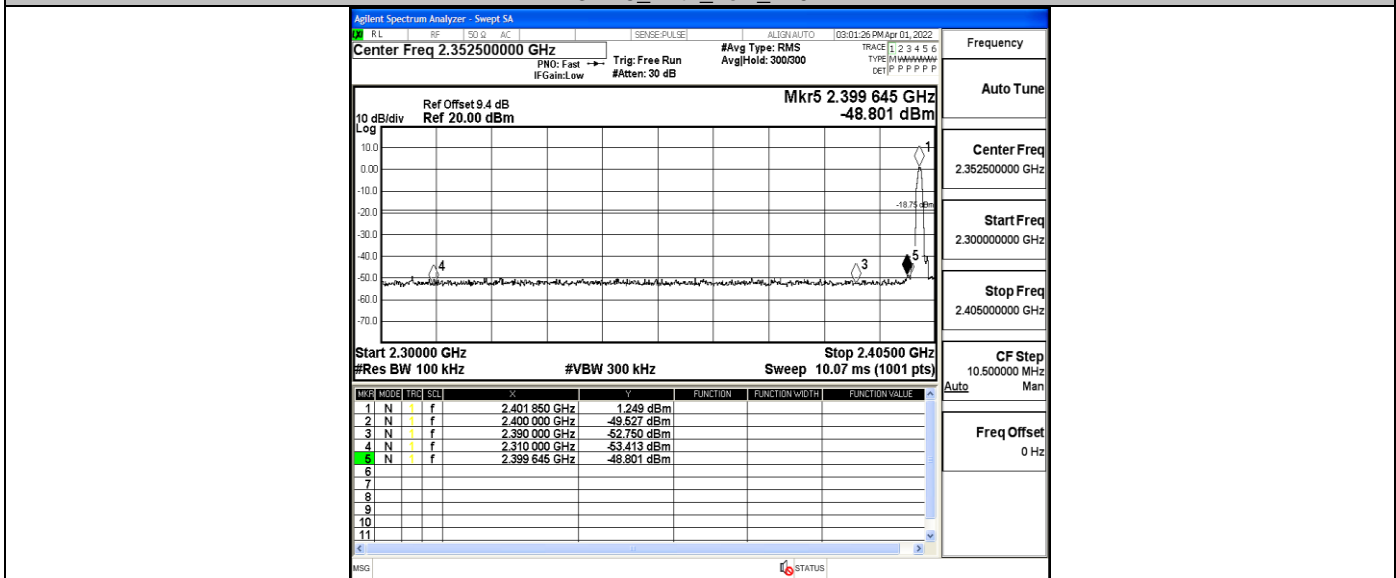
2D5_Ant1_Low_Hop_2402



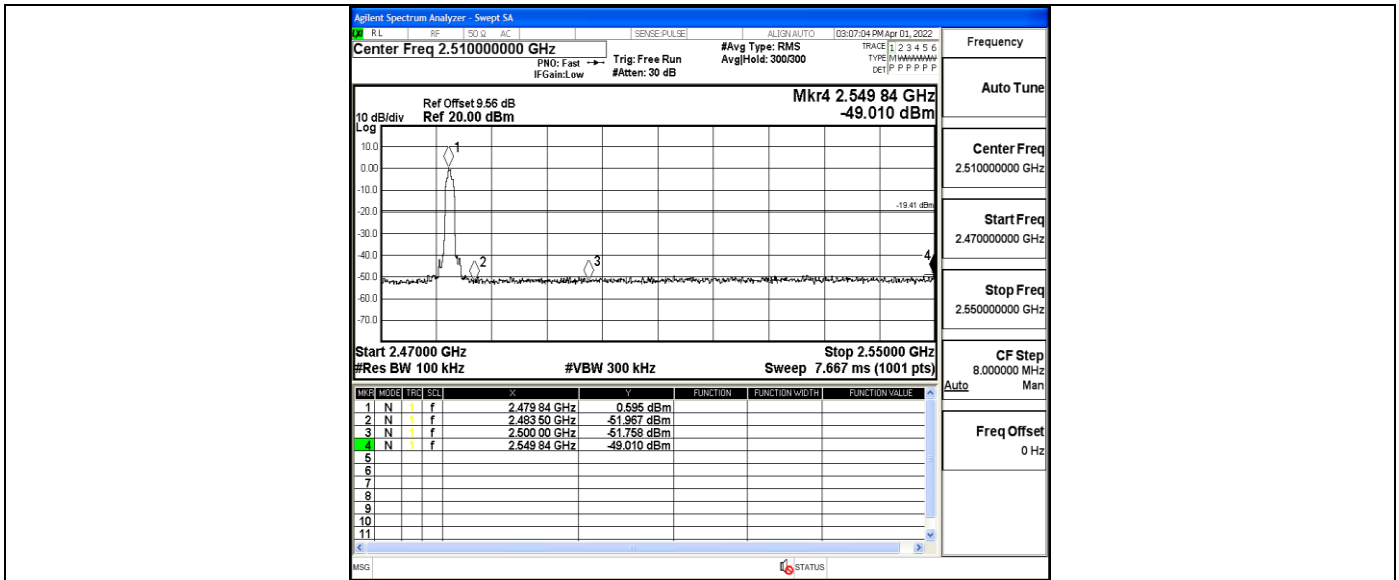
2DH5_Ant1_High_Hop_2480



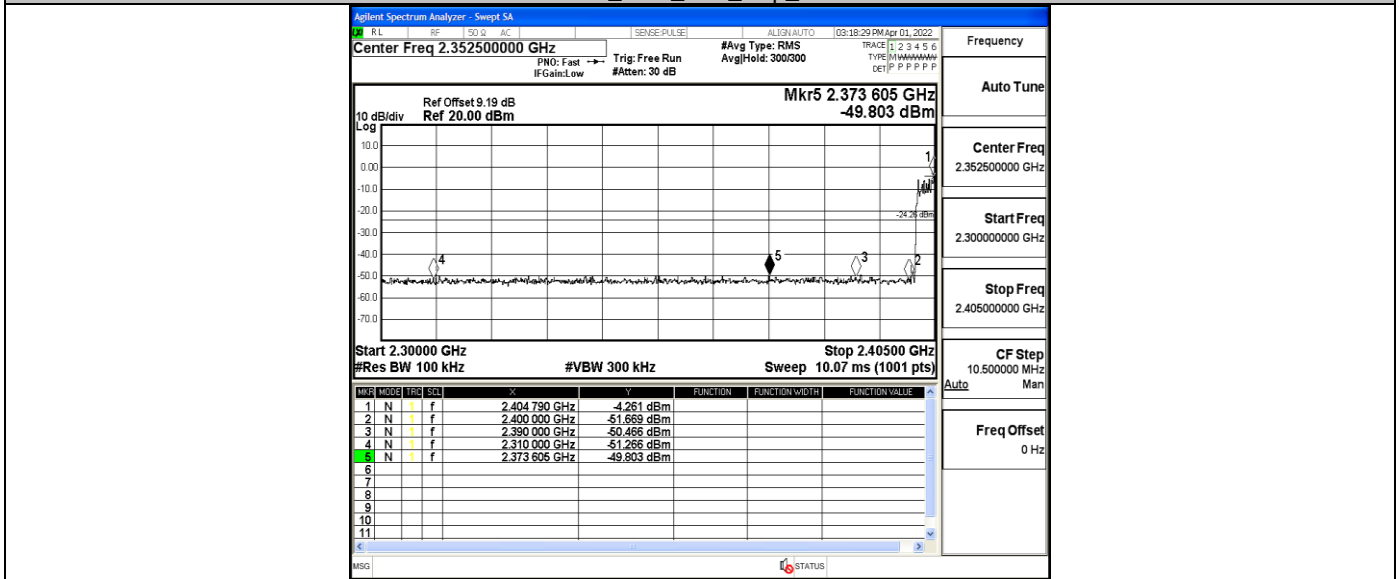
3DH5_Ant1_Low_2402



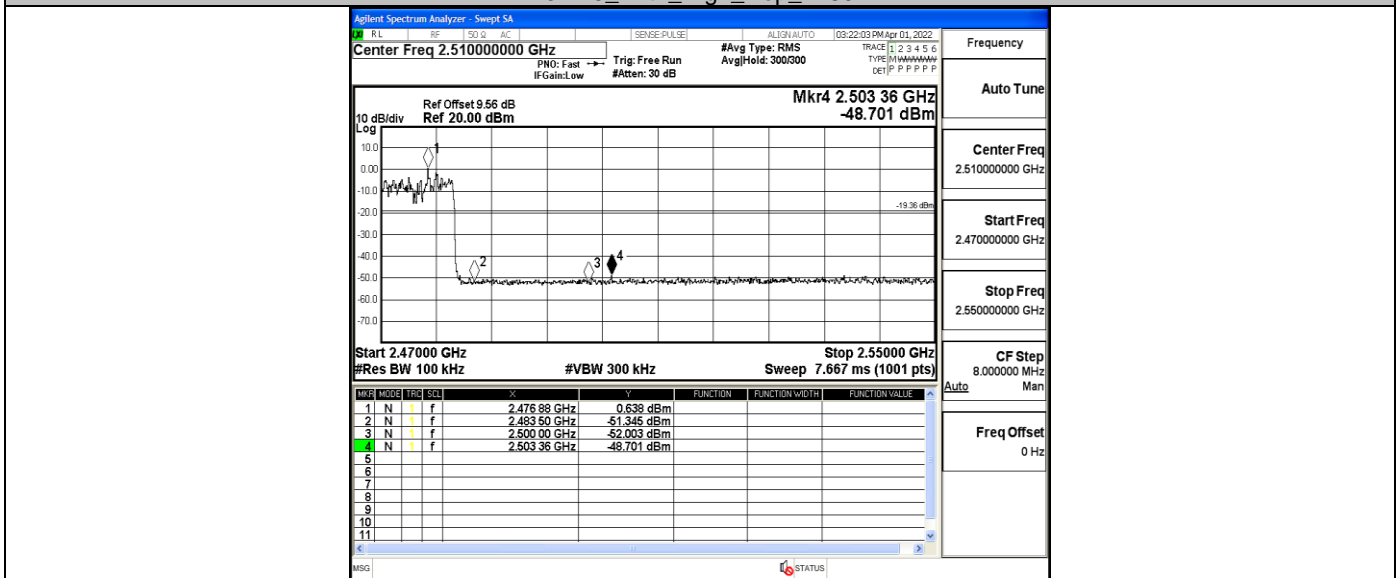
3DH5_Ant1_High_2480



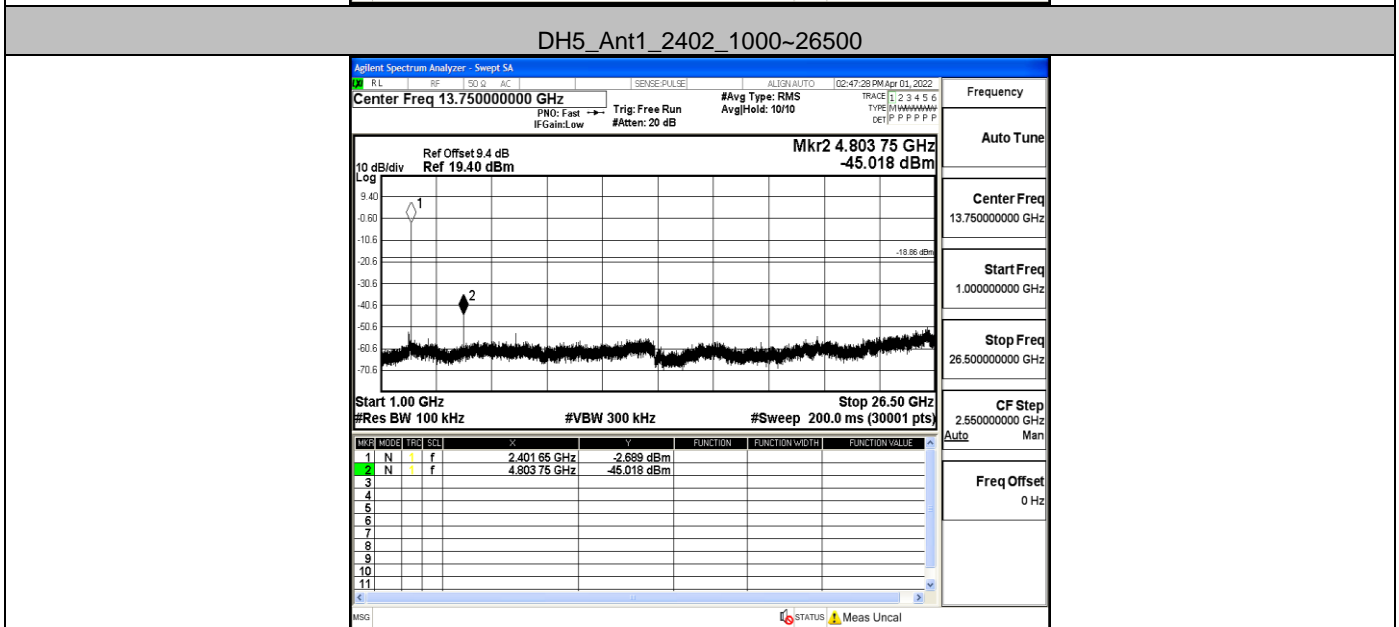
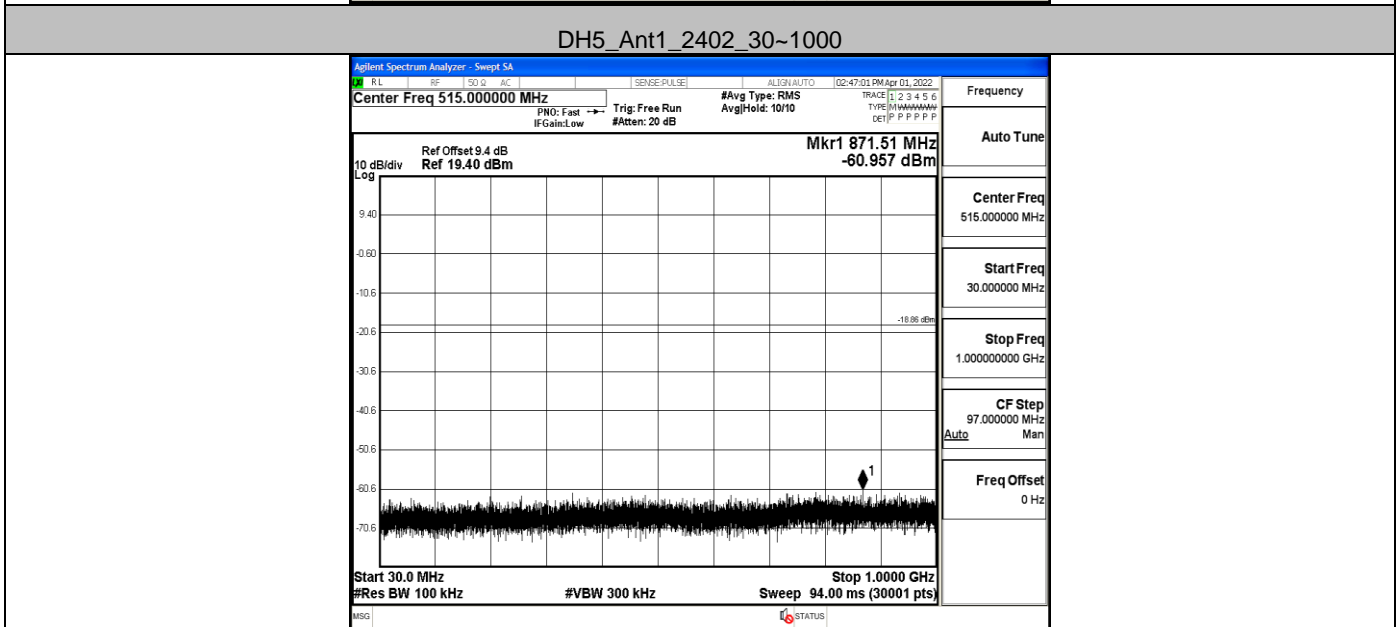
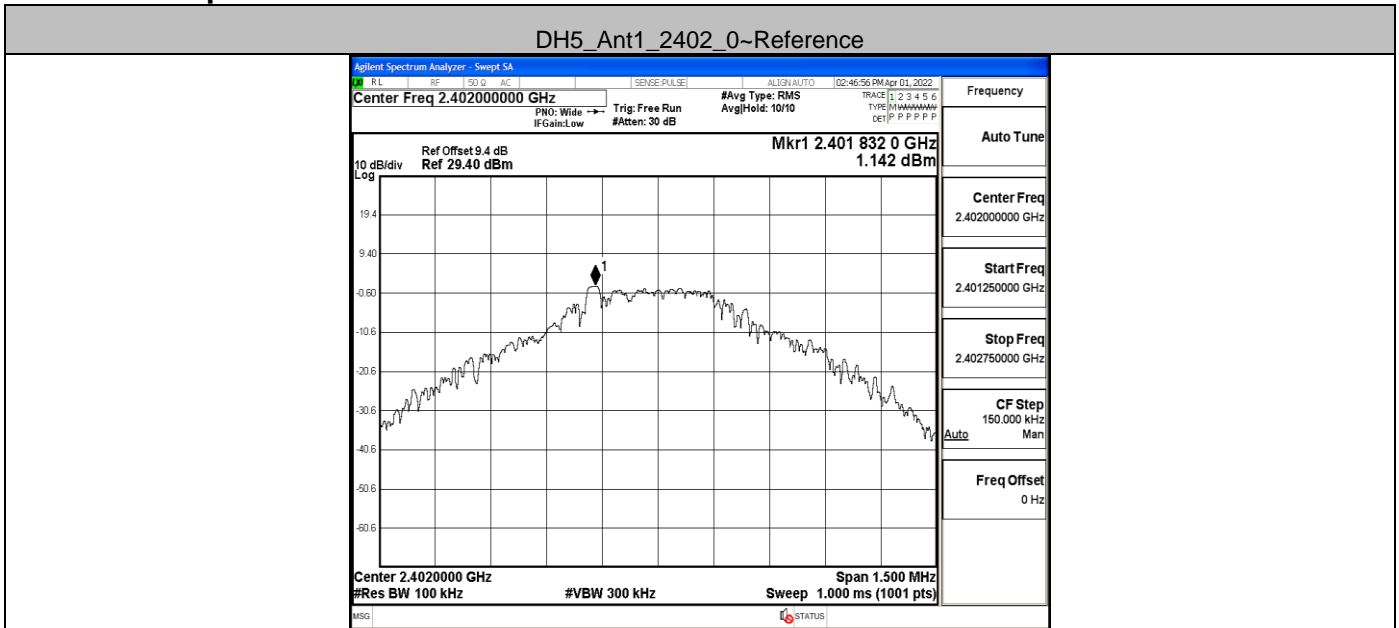
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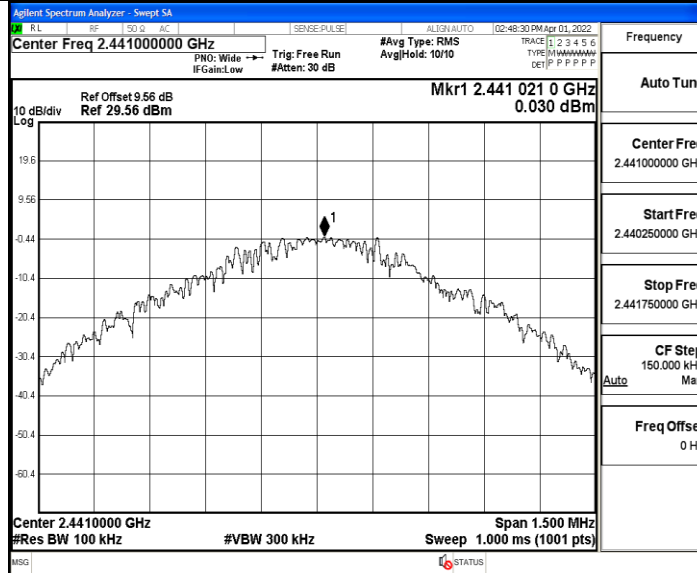
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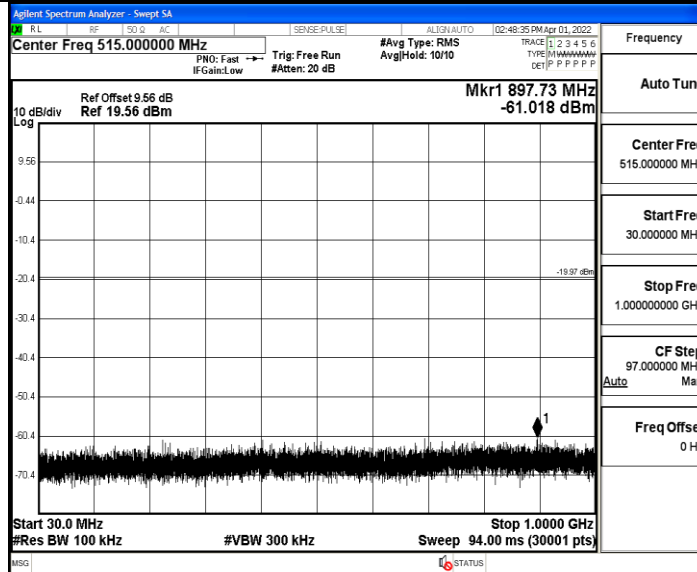
A.7 RF Conducted Spurious Emissions Test Graph



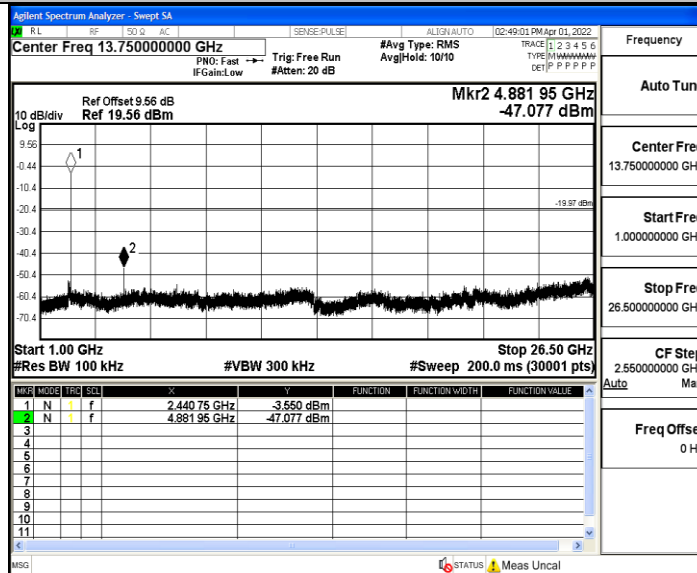
DH5_Ant1_2441_0~Reference



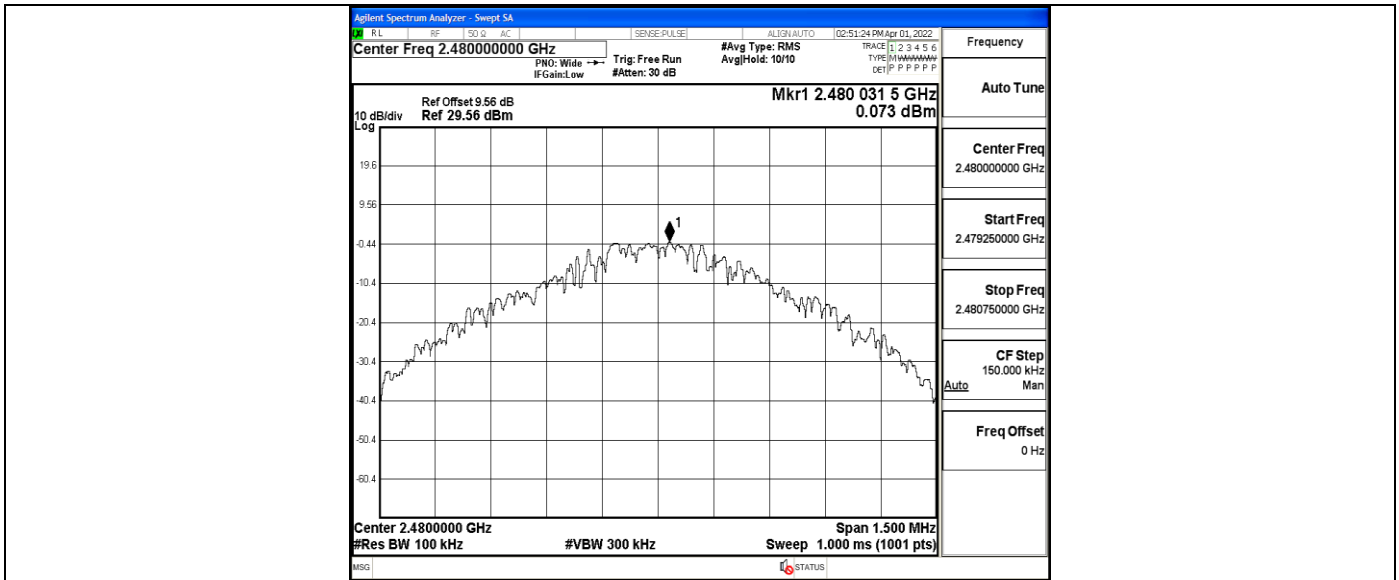
DH5_Ant1_2441_30~1000



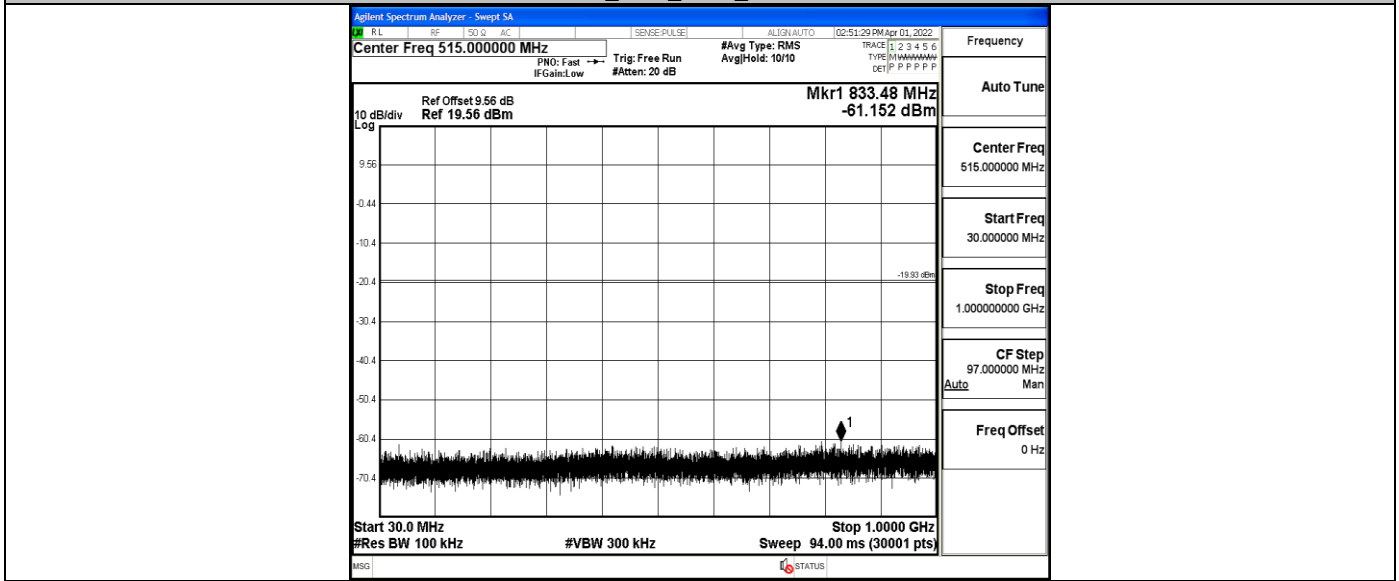
DH5_Ant1_2441_1000~26500



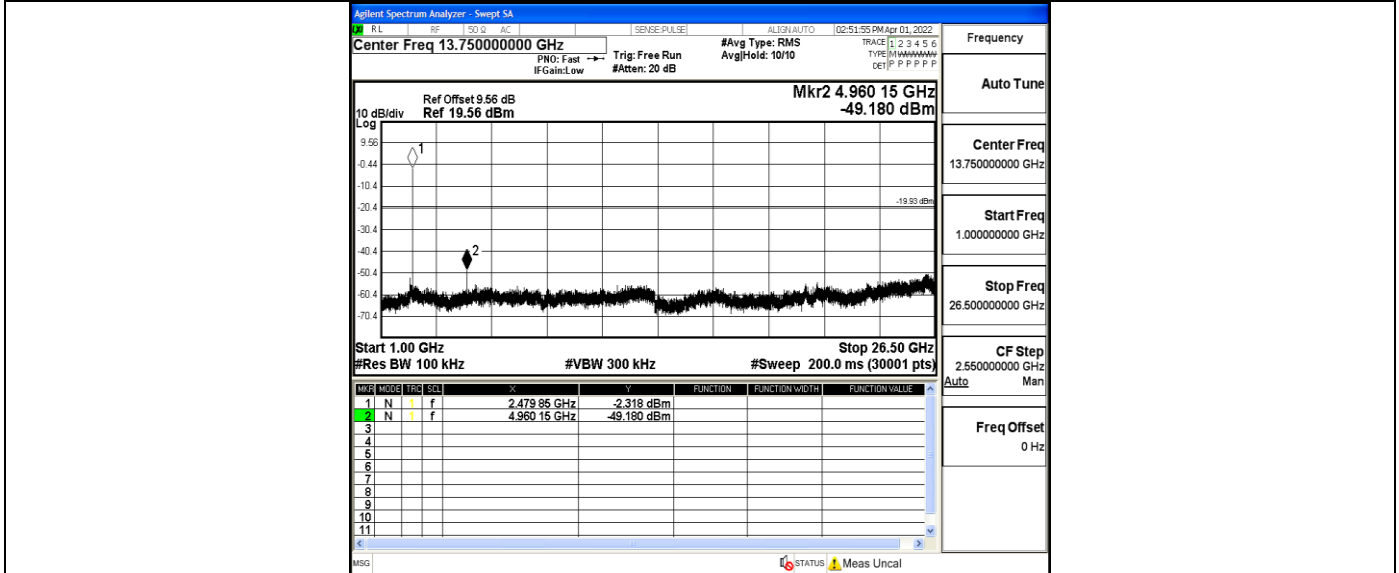
DH5_Ant1_2480_0~Reference



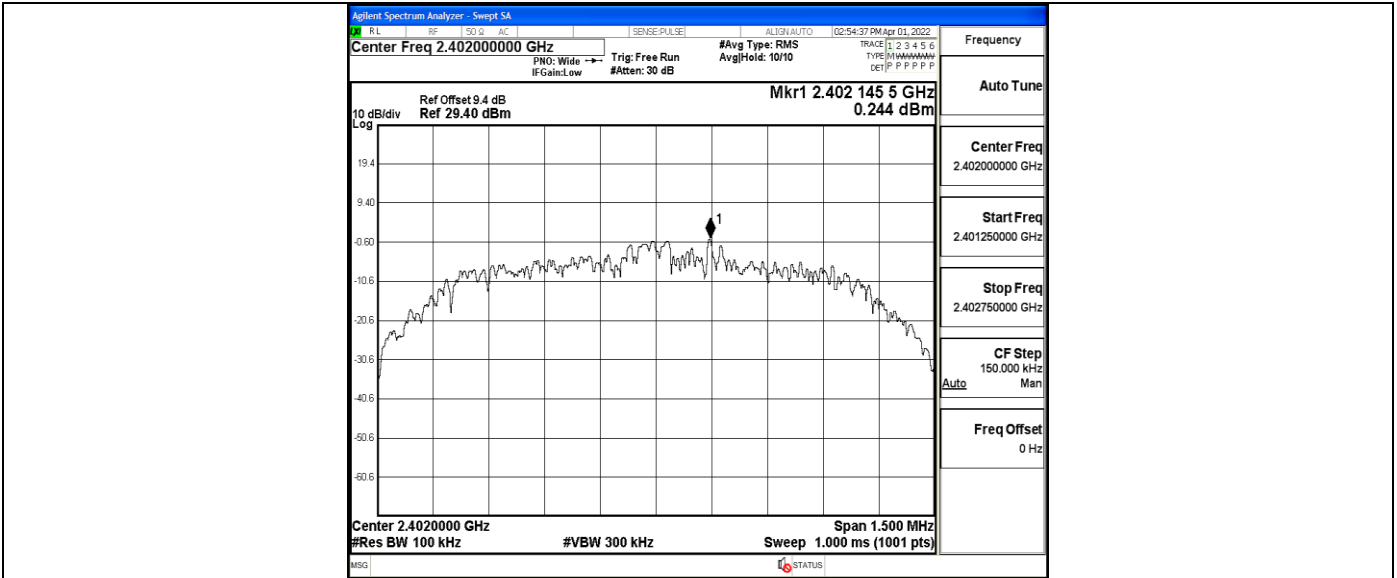
DH5_Ant1_2480_30~1000



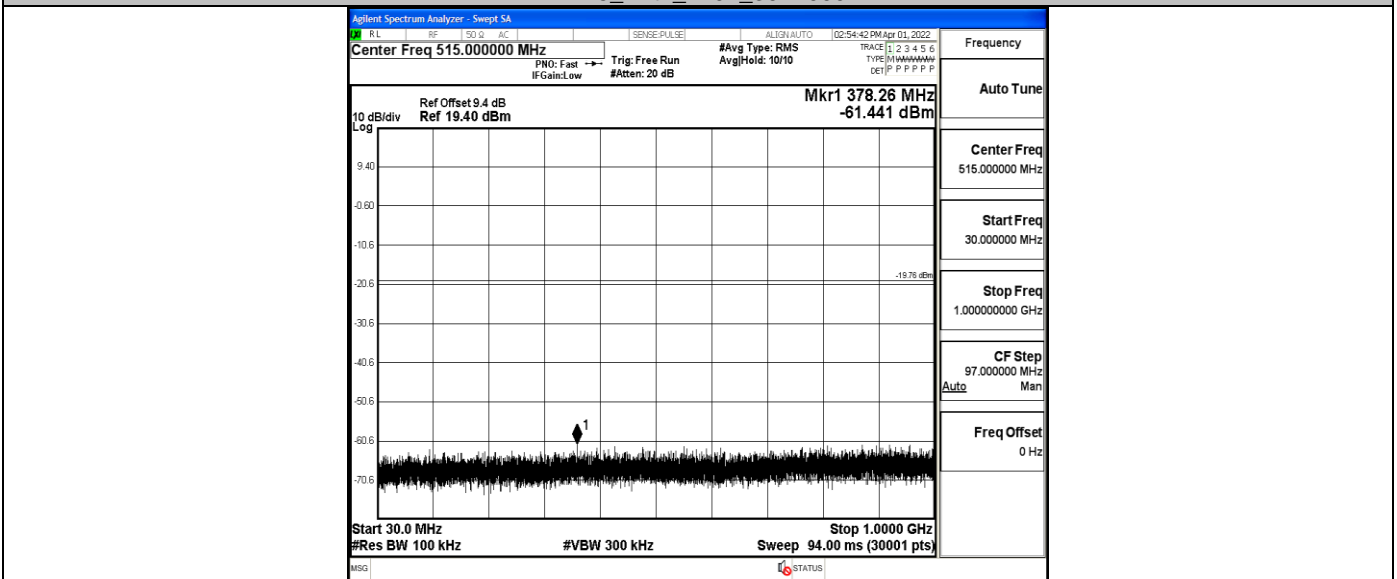
DH5_Ant1_2480_1000~26500



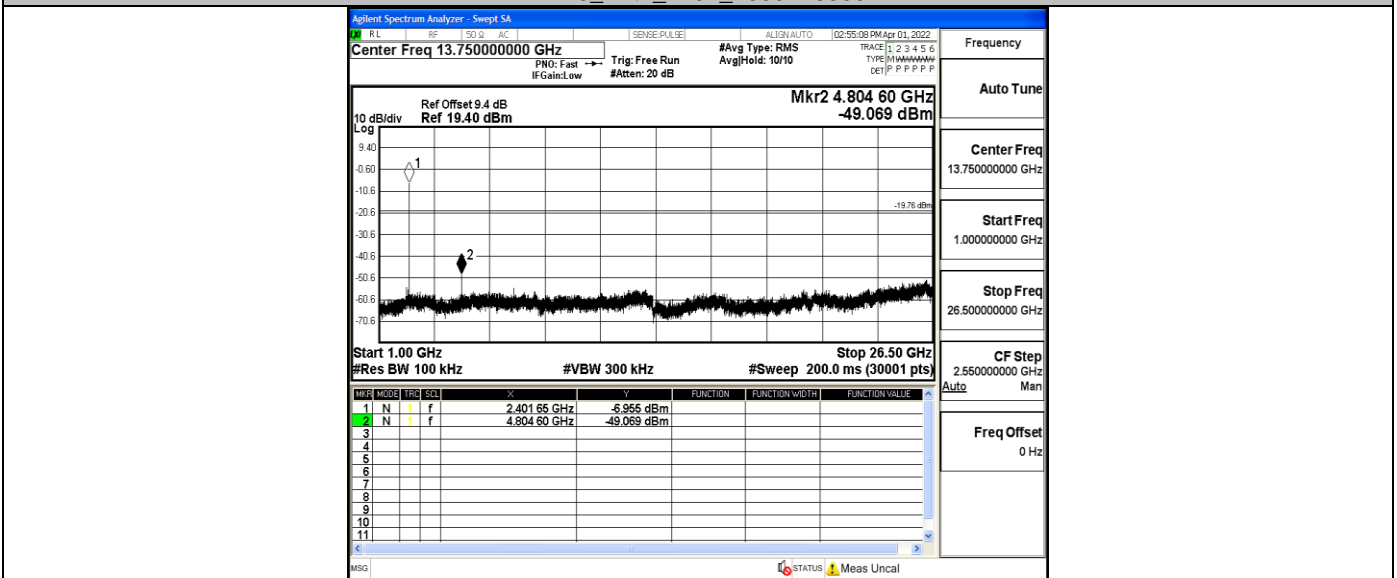
2DH5_Ant1_2402_0~Reference



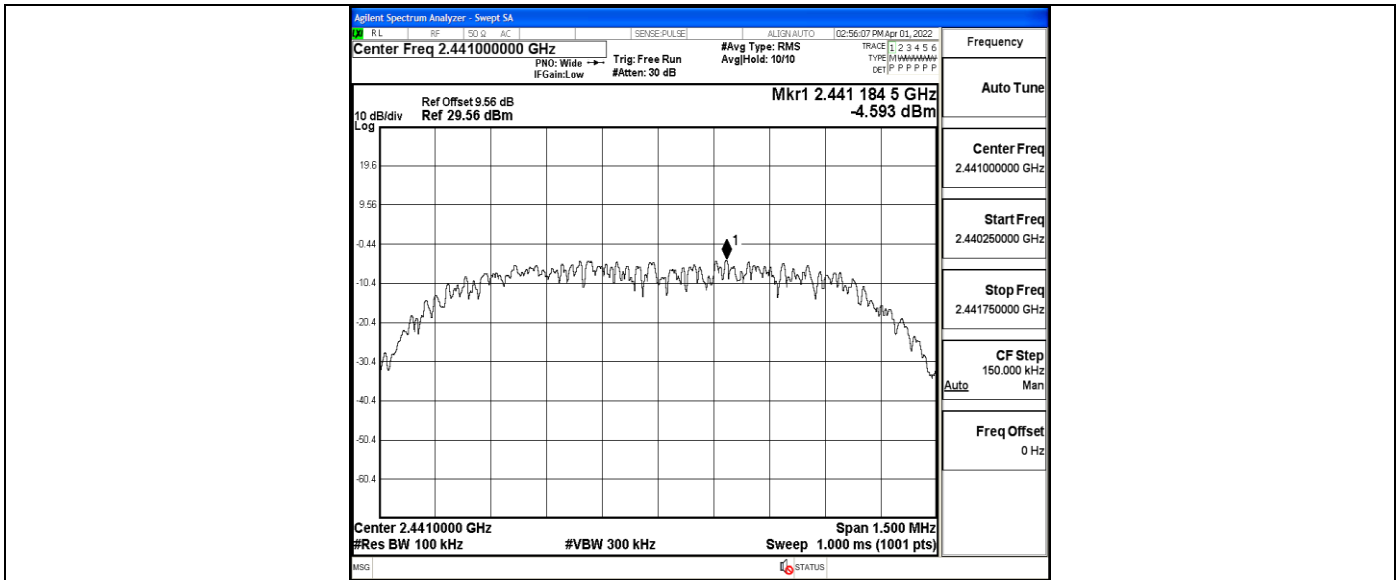
2DH5_Ant1_2402_30~1000



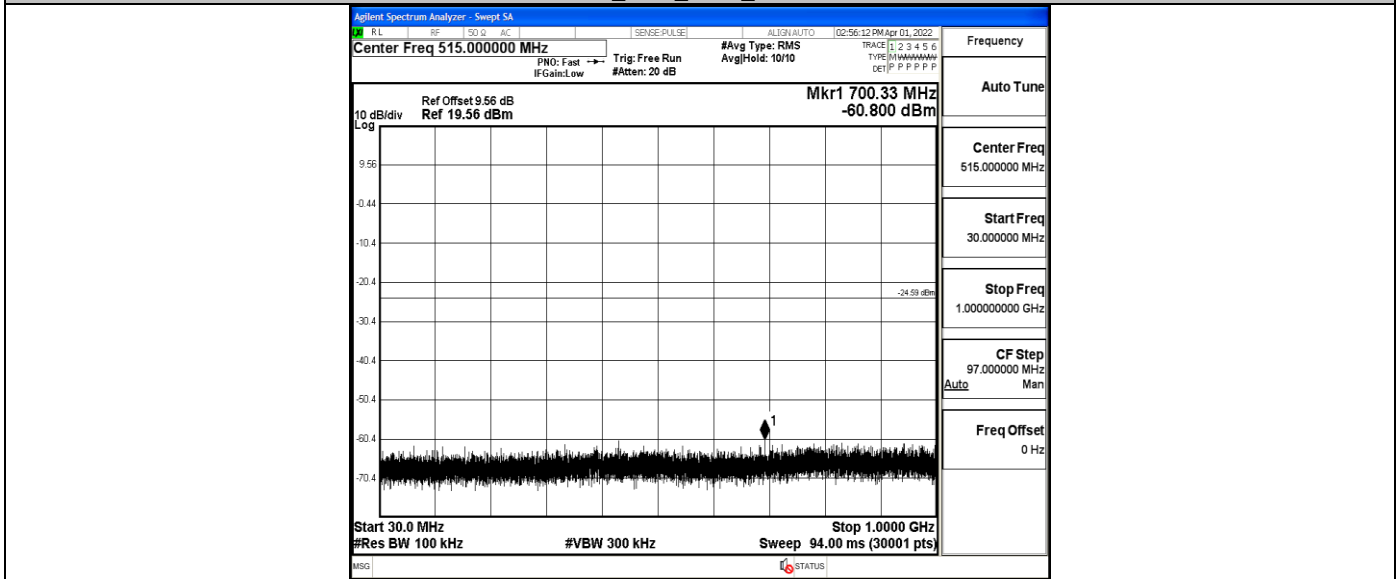
2DH5_Ant1_2402_1000~26500



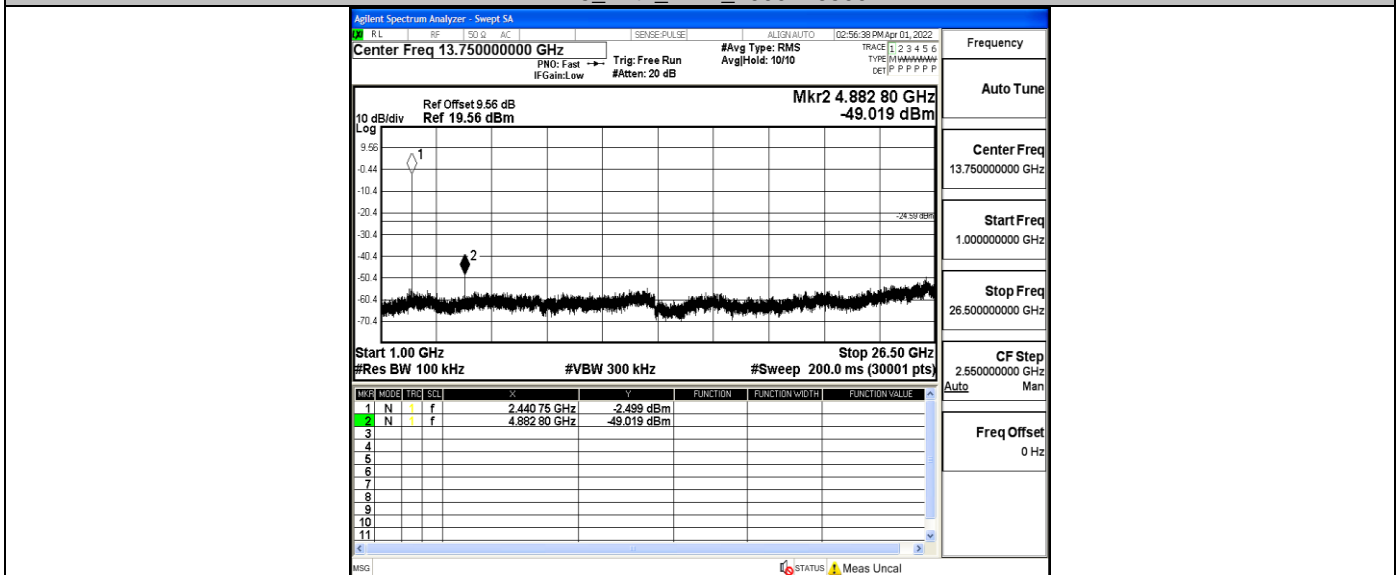
2DH5_Ant1_2441_0~Reference



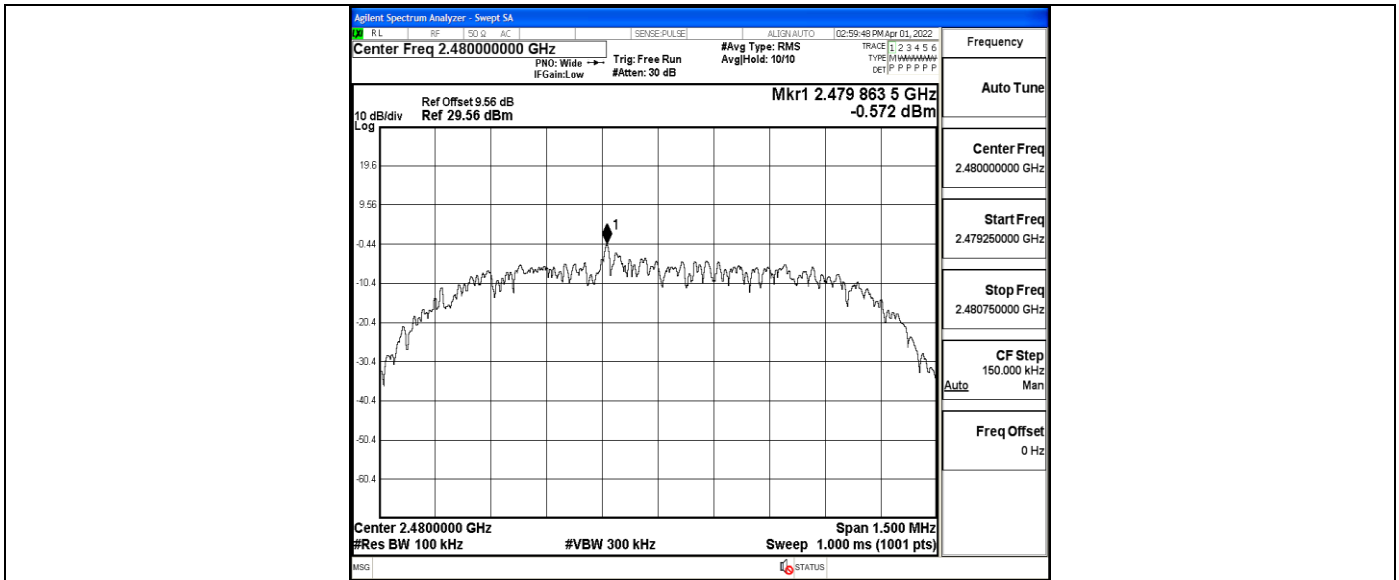
2DH5_Ant1_2441_30~1000



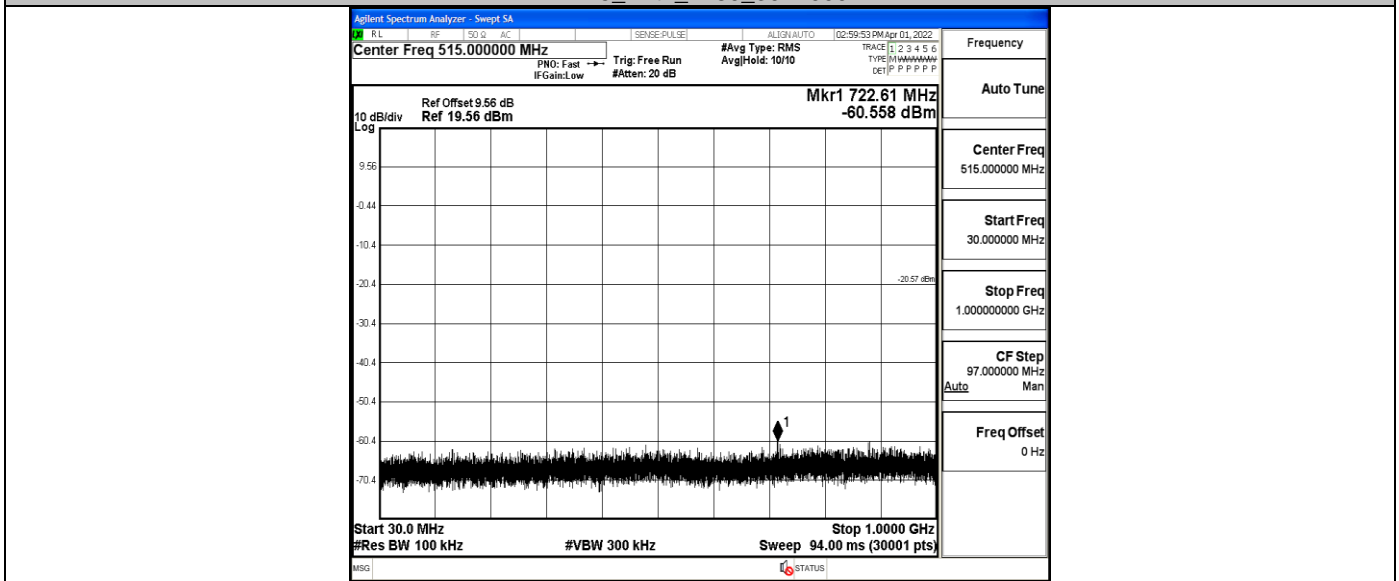
2DH5_Ant1_2441_1000~26500



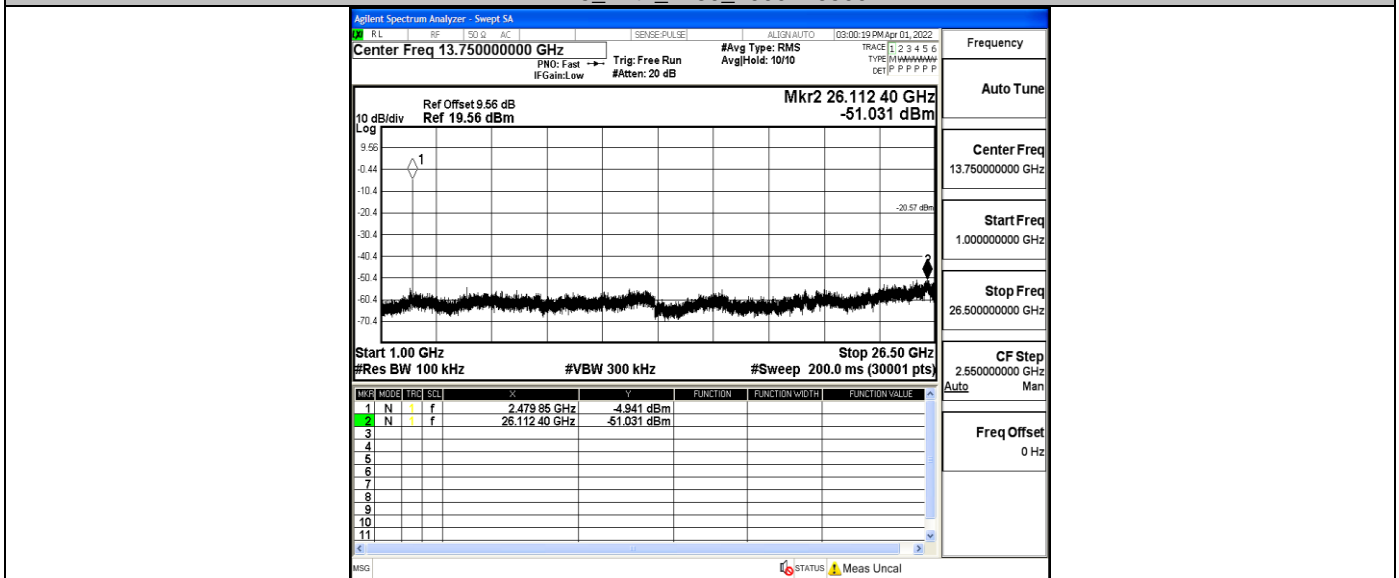
2DH5_Ant1_2480_0~Reference



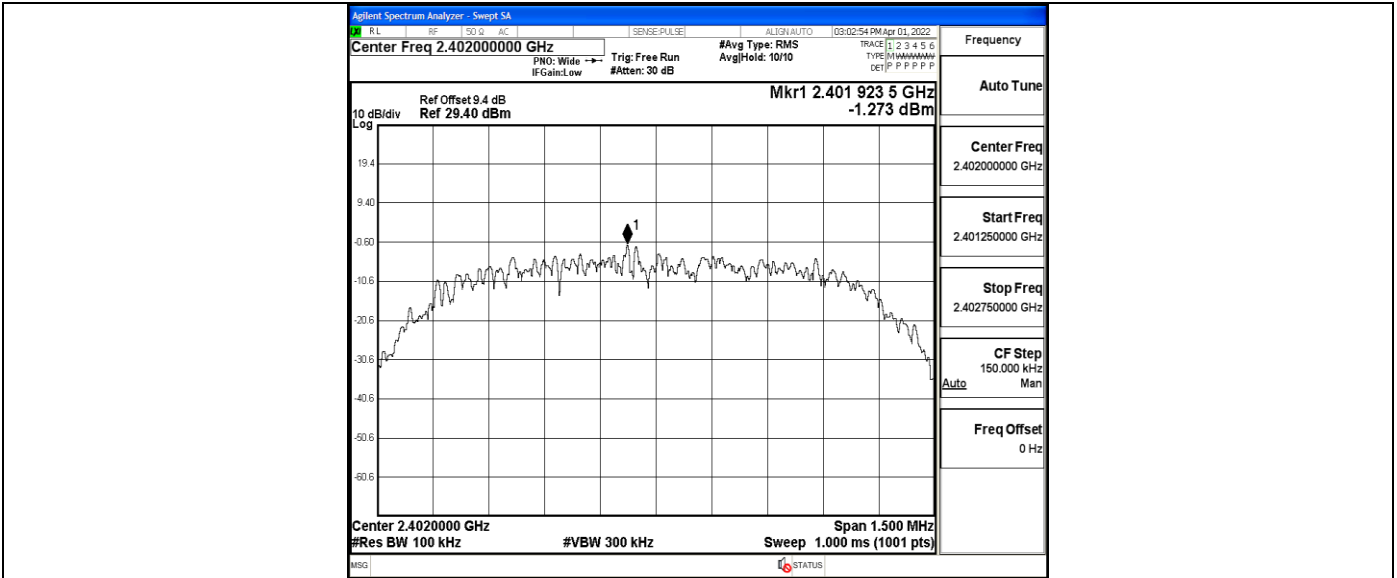
2DH5_Ant1_2480_30~1000



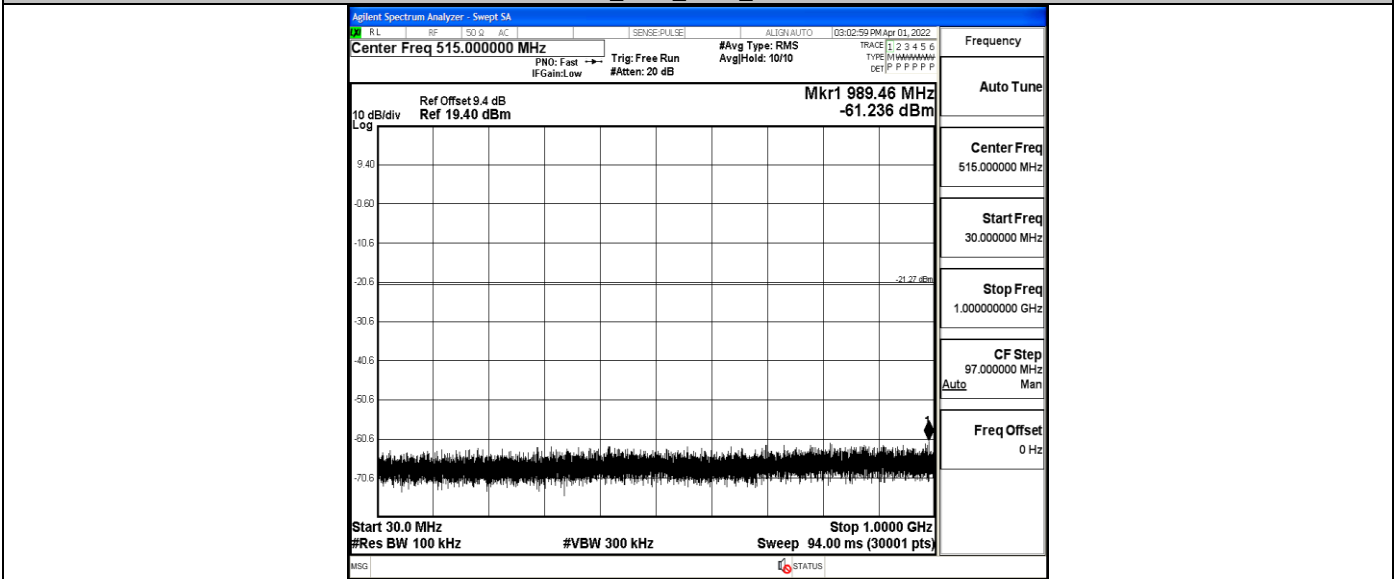
2DH5_Ant1_2480_1000~26500



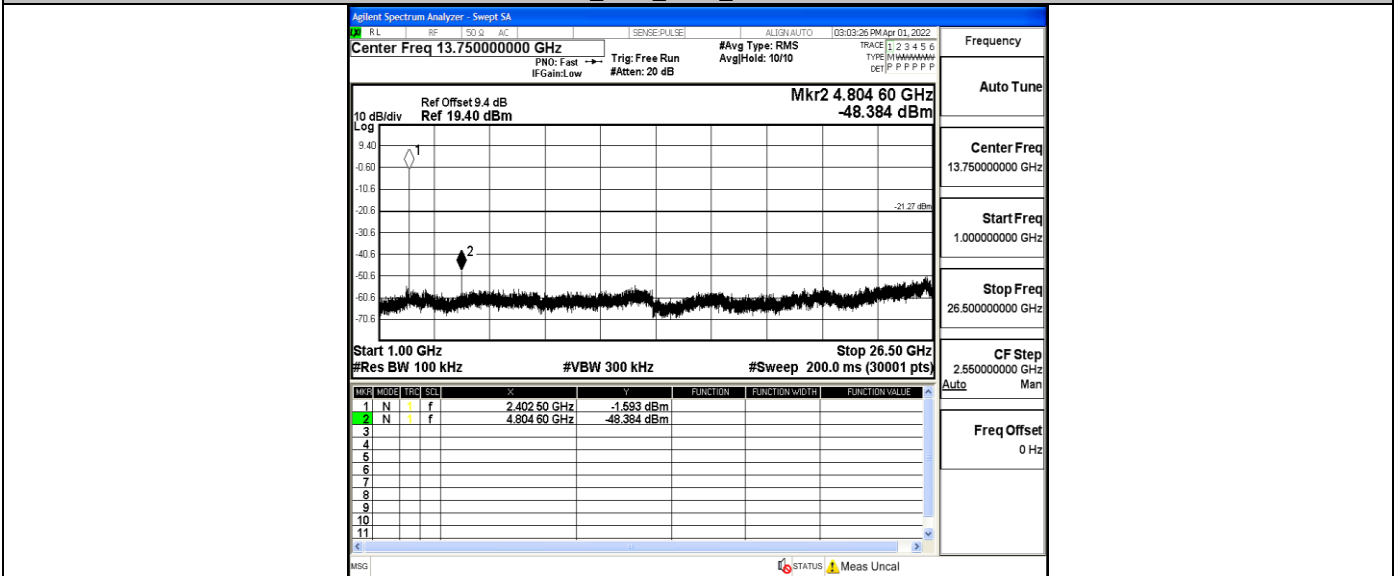
3DH5_Ant1_2402_0~Reference



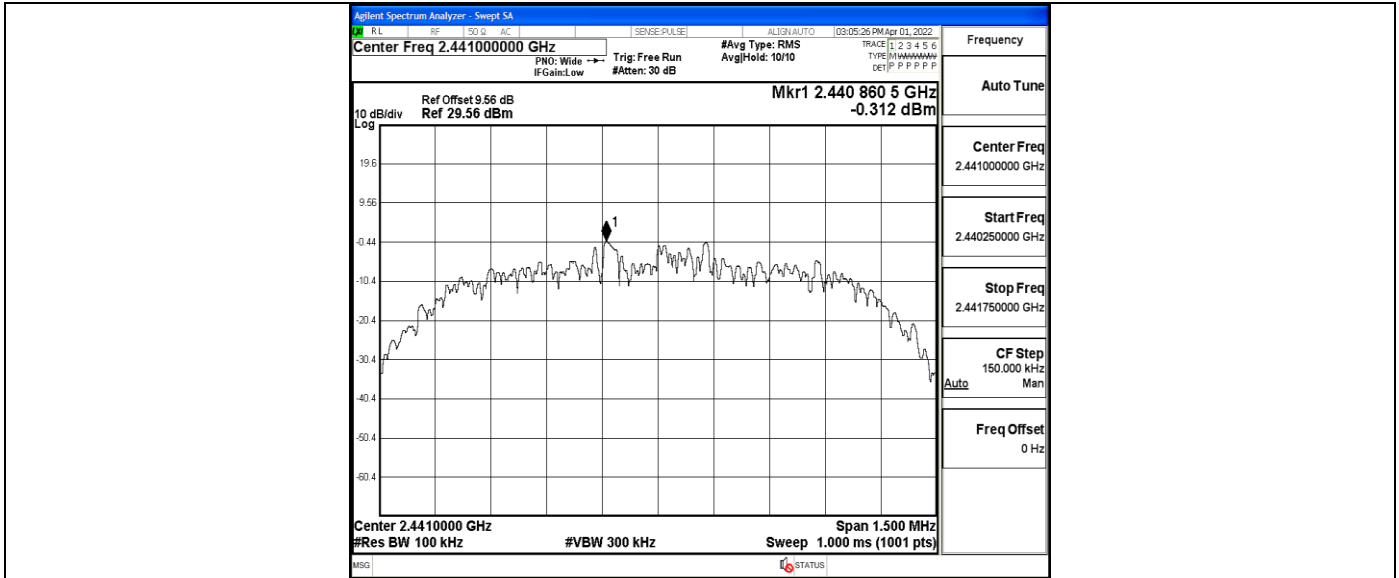
3DH5_Ant1_2402_30~1000



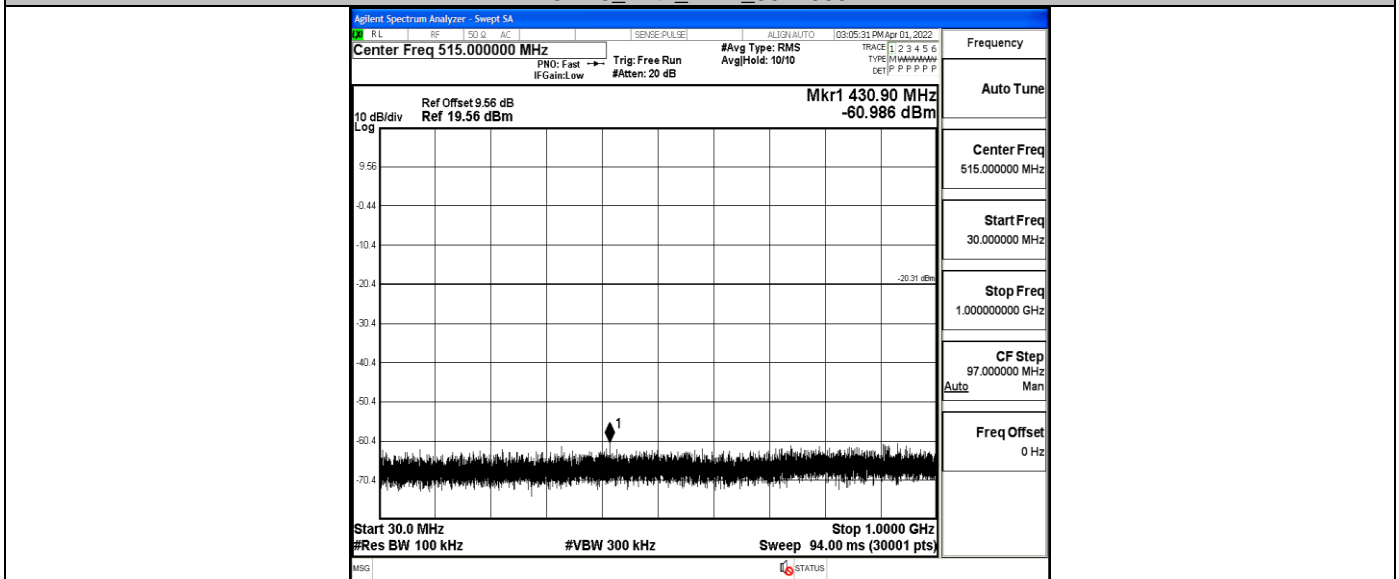
3DH5_Ant1_2402_1000~26500



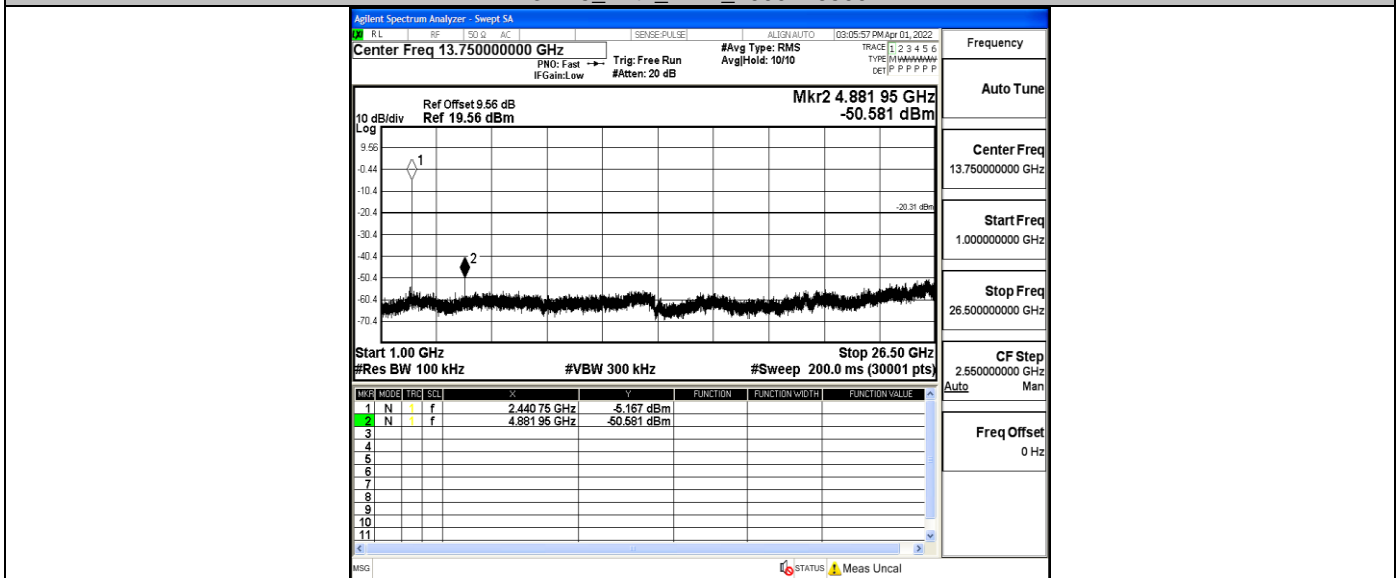
3DH5_Ant1_2441_0~Reference



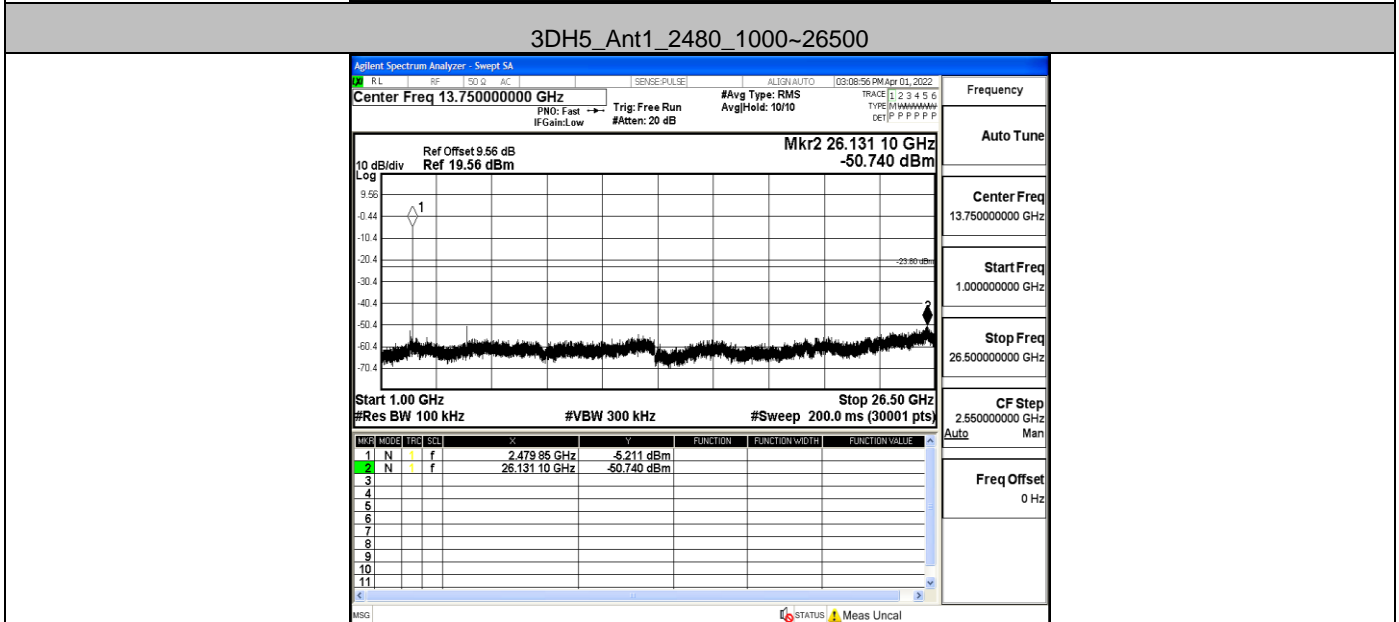
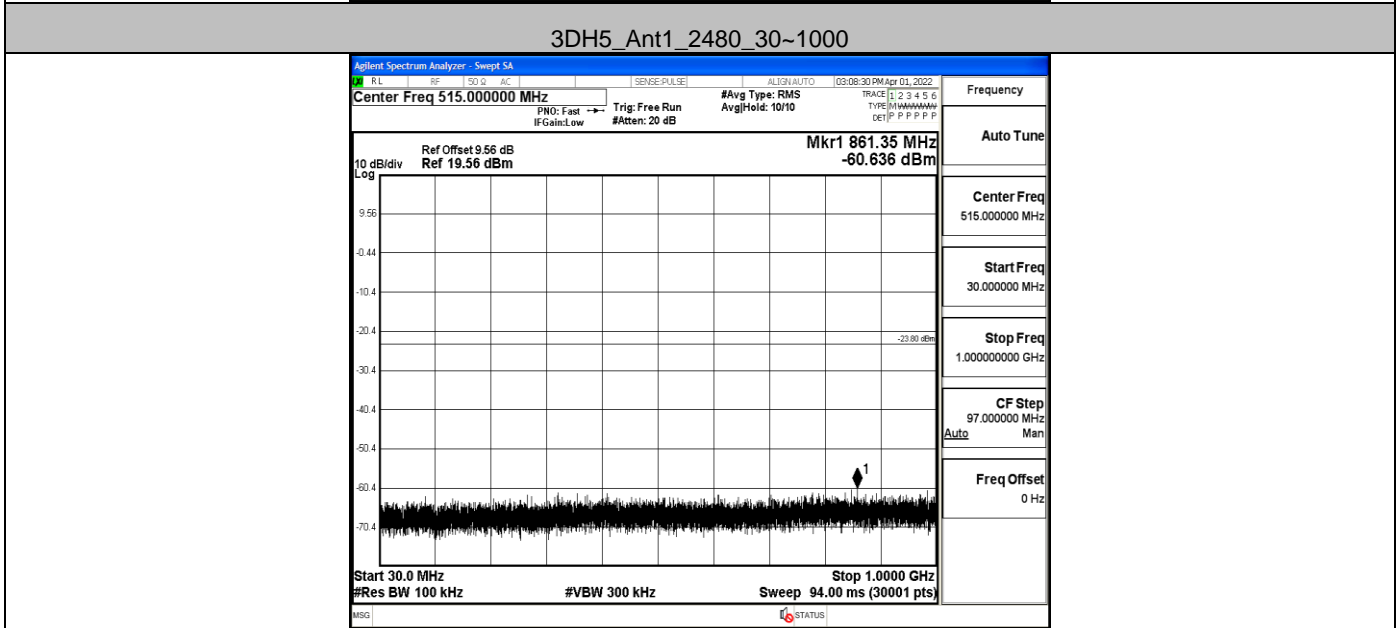
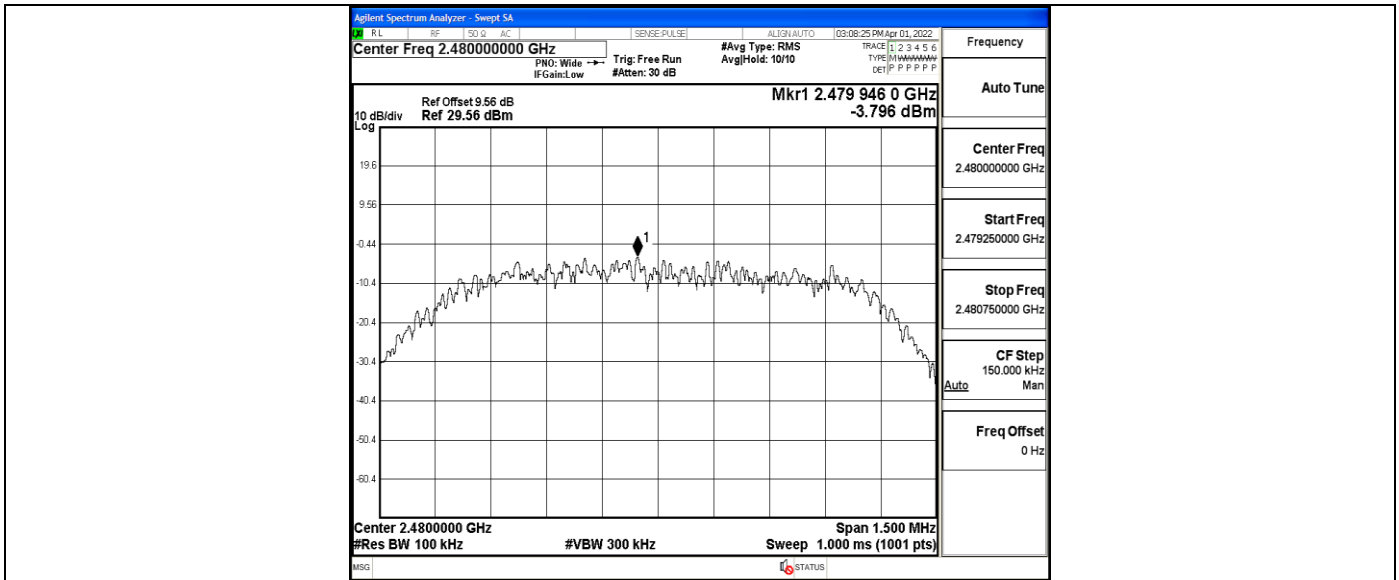
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



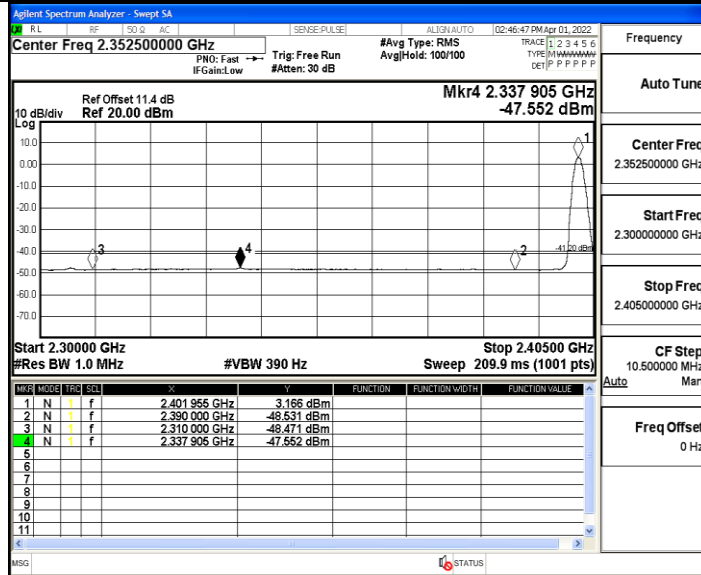
A.8 Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.47	≤-41.20	PASS
				AV	2337.905	-47.55	≤-41.20	PASS
				AV	2390.000	-48.53	≤-41.20	PASS
				Peak	2310.000	-43.08	≤-21.20	PASS
				Peak	2314.070	-38.11	≤-21.20	PASS
				Peak	2390.000	-40.83	≤-21.20	PASS
		High	2480	AV	2483.500	-47.83	≤-41.20	PASS
				AV	2483.520	-47.83	≤-41.20	PASS
				AV	2500.000	-47.87	≤-41.20	PASS
				Peak	2483.500	-41.13	≤-21.20	PASS
				Peak	2492.400	-38.67	≤-21.20	PASS
				Peak	2500.000	-40.18	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.73	≤-41.20	PASS
				AV	2337.800	-48.02	≤-41.20	PASS
				AV	2390.000	-48.68	≤-41.20	PASS
				Peak	2310.000	-40.92	≤-21.20	PASS
				Peak	2375.705	-38.21	≤-21.20	PASS
				Peak	2390.000	-40.96	≤-21.20	PASS
		High	2480	AV	2483.500	-47.73	≤-41.20	PASS
				AV	2483.520	-47.73	≤-41.20	PASS
				AV	2500.000	-47.93	≤-41.20	PASS
				Peak	2483.500	-41.76	≤-21.20	PASS
				Peak	2483.840	-38.03	≤-21.20	PASS
				Peak	2500.000	-41.65	≤-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.64	≤-41.20	PASS
				AV	2337.695	-48.1	≤-41.20	PASS
				AV	2390.000	-48.59	≤-41.20	PASS
				Peak	2310.000	-42.85	≤-21.20	PASS
				Peak	2312.075	-38.25	≤-21.20	PASS
				Peak	2390.000	-40.78	≤-21.20	PASS
		High	2480	AV	2483.500	-47.65	≤-41.20	PASS
				AV	2483.520	-47.65	≤-41.20	PASS
				AV	2500.000	-48	≤-41.20	PASS
				Peak	2483.500	-41.01	≤-21.20	PASS
				Peak	2491.440	-38.74	≤-21.20	PASS
				Peak	2500.000	-40.66	≤-21.20	PASS

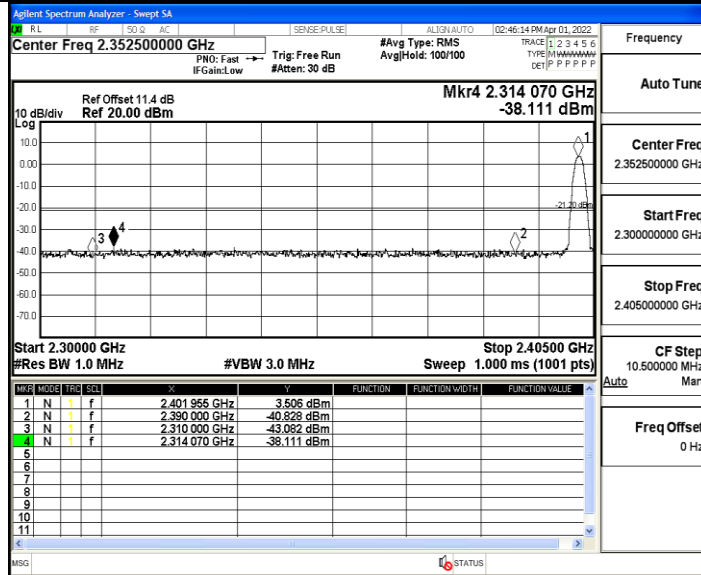
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

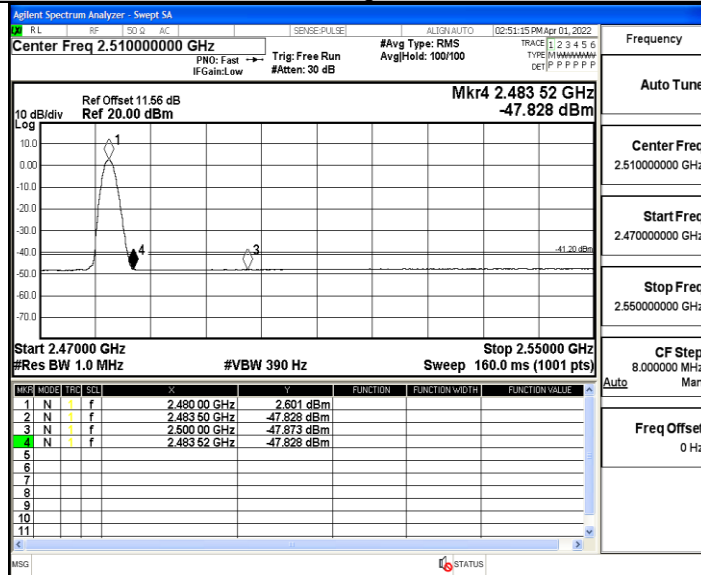
DH5_Ant1_Low_2402_AV



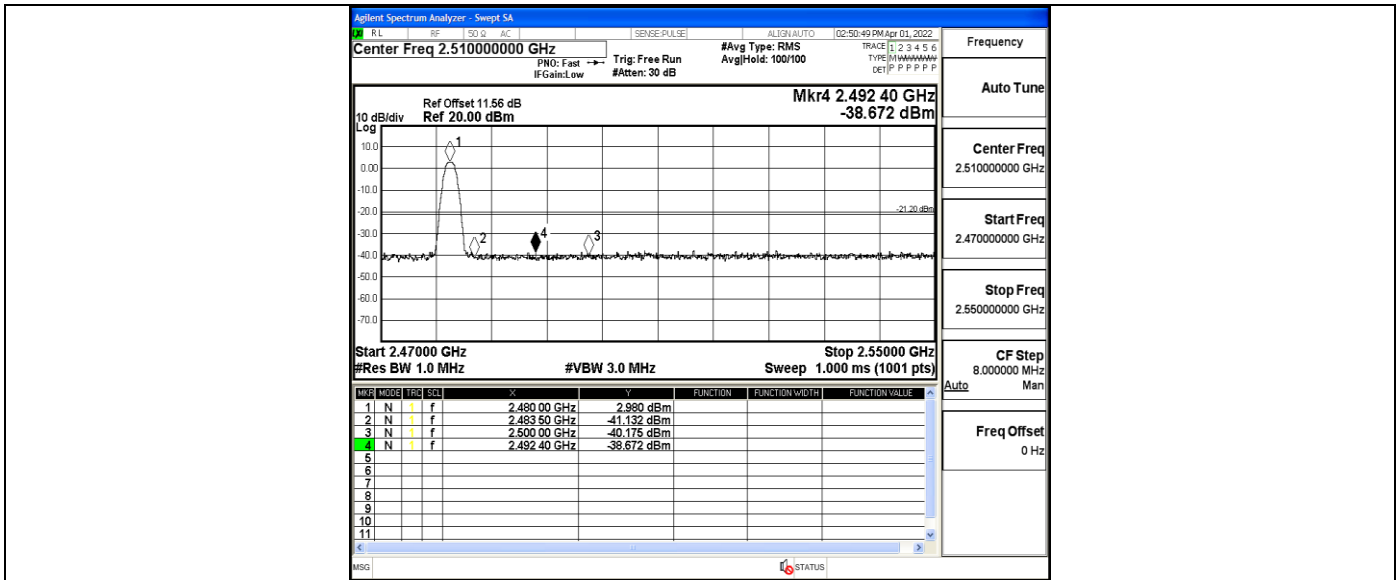
DH5_Ant1_Low_2402_Peak



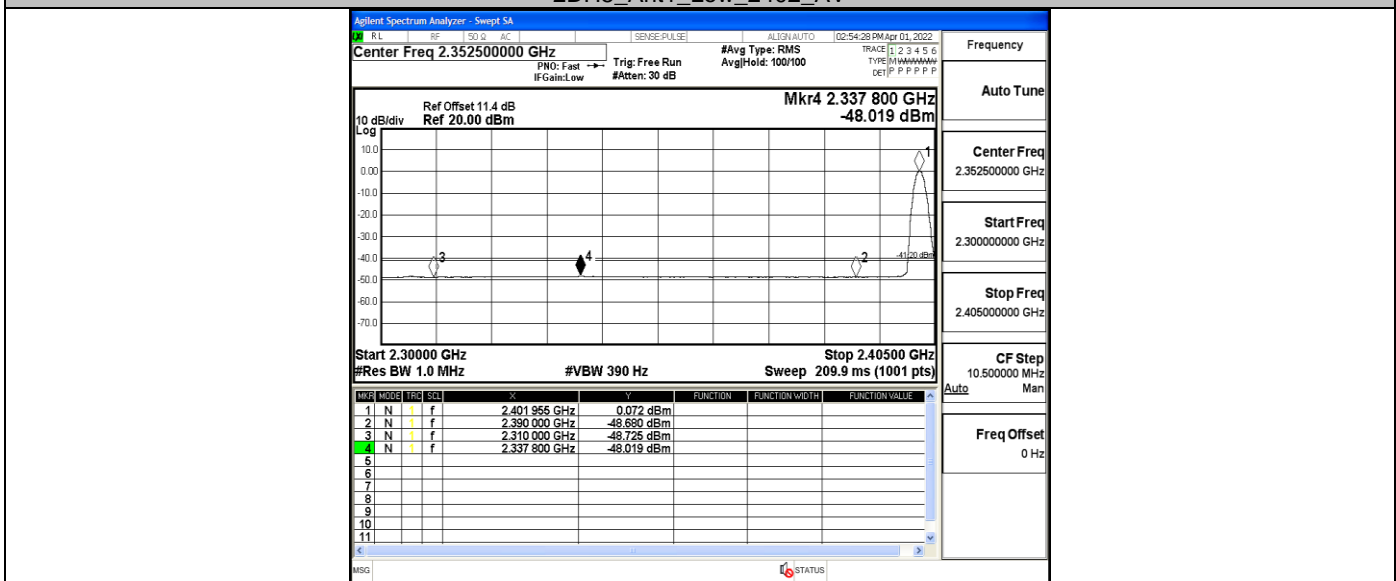
DH5_Ant1_High_2480_AV



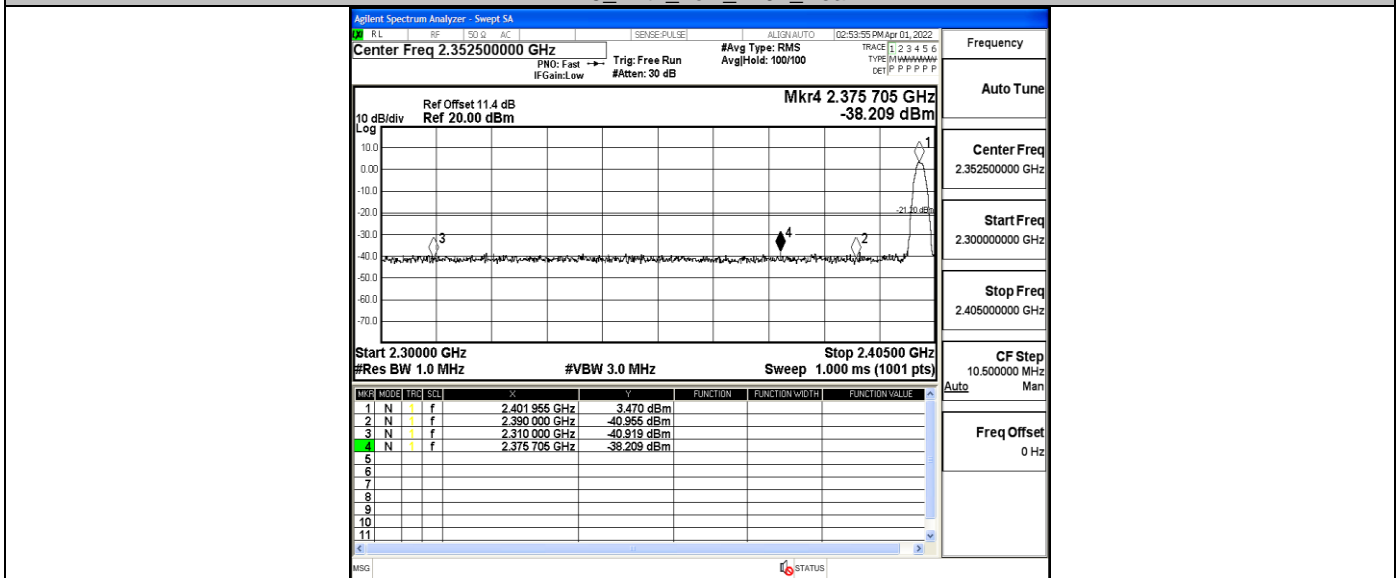
DH5_Ant1_High_2480_Peak



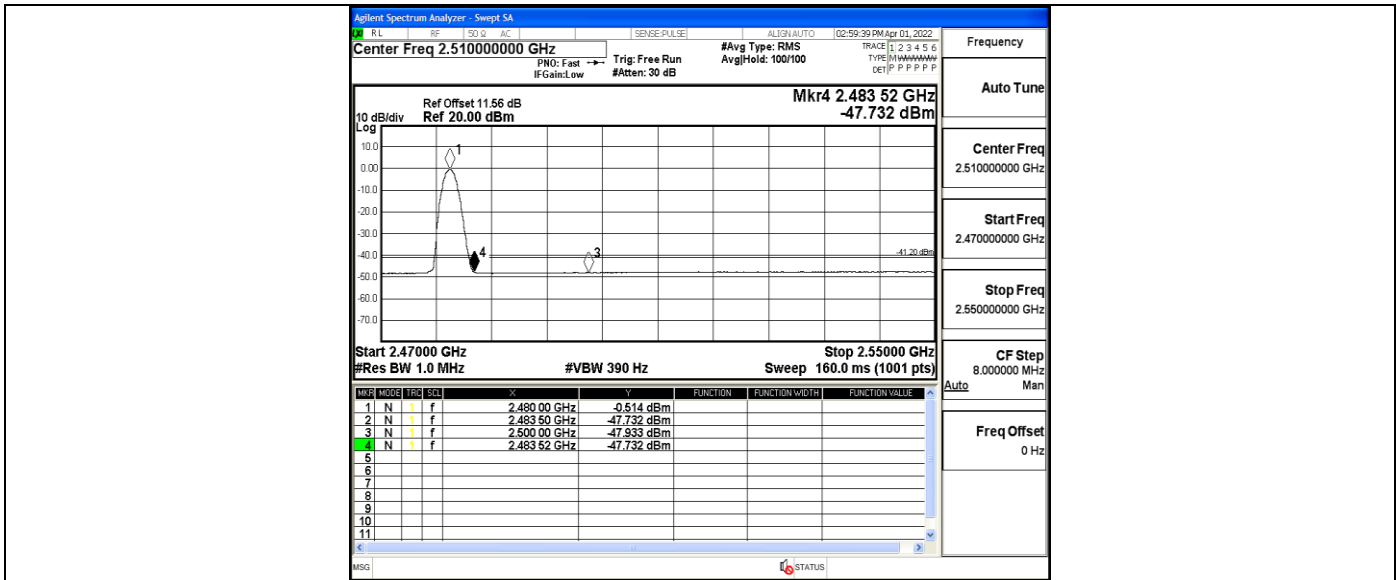
2DH5_Ant1_Low_2402_AV



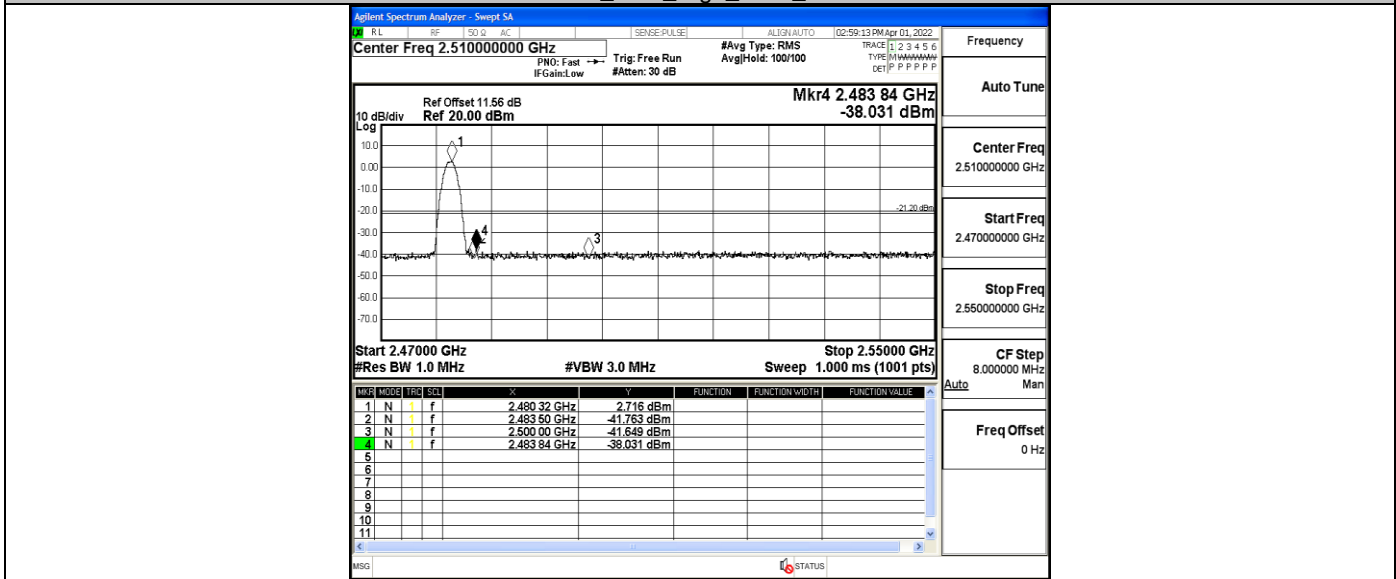
2DH5_Ant1_Low_2402_Peak



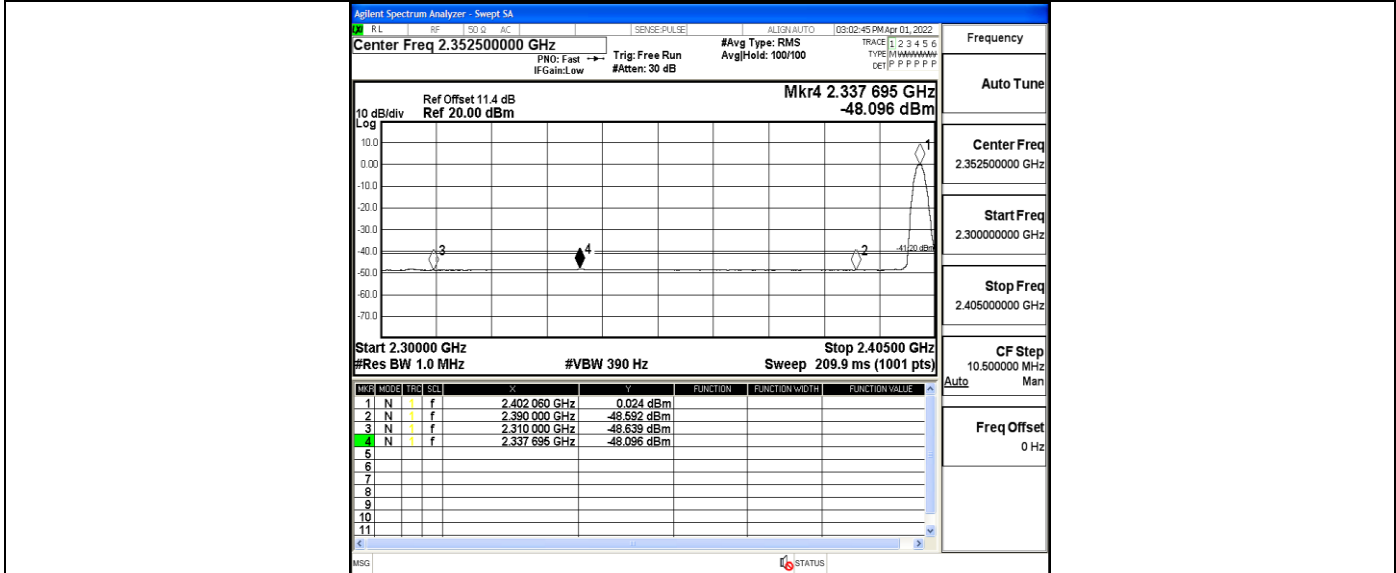
2DH5_Ant1_High_2480_AV



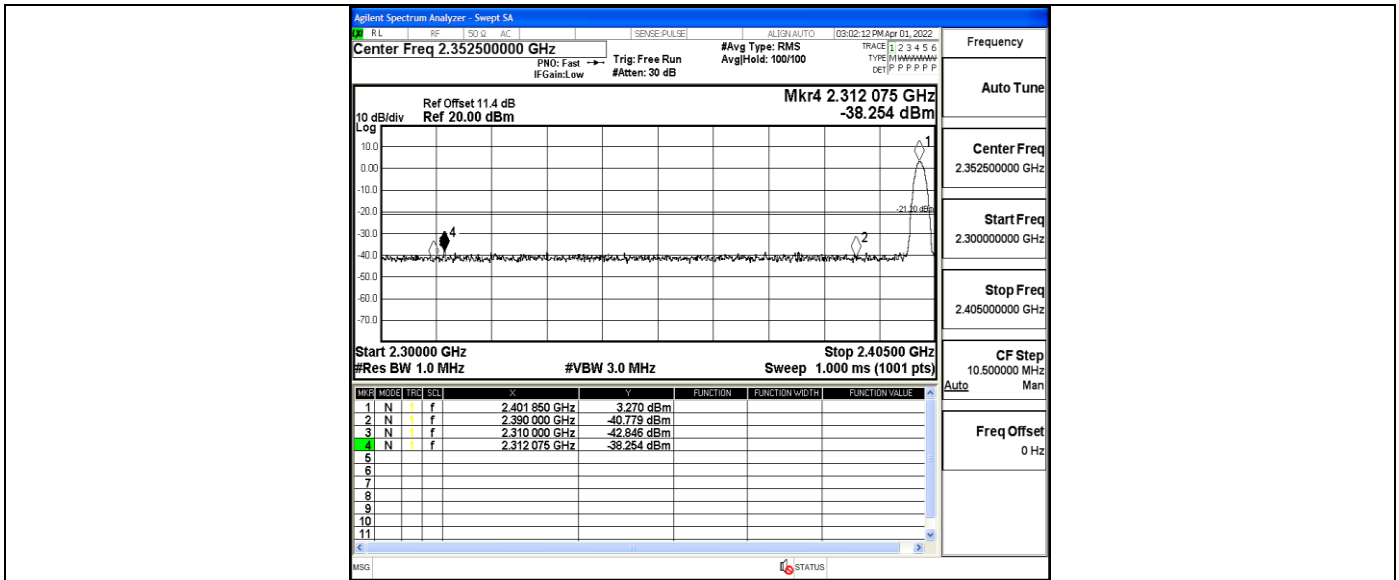
2DH5_Ant1_High_2480_Peak



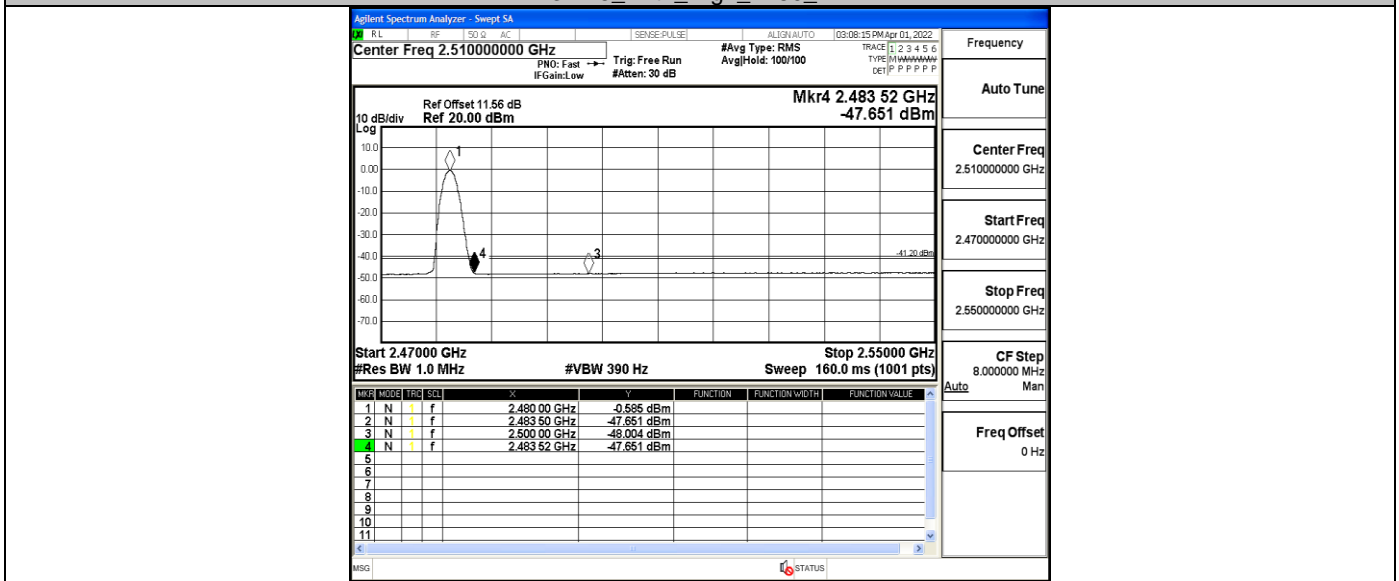
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

