

Appendix A

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

Product Name: Wireless Mono Headset

Trade Mark: N/A

Test Model: EP-BH100

FCC ID: 2A2QG-EP-BH100

Environmental Conditions

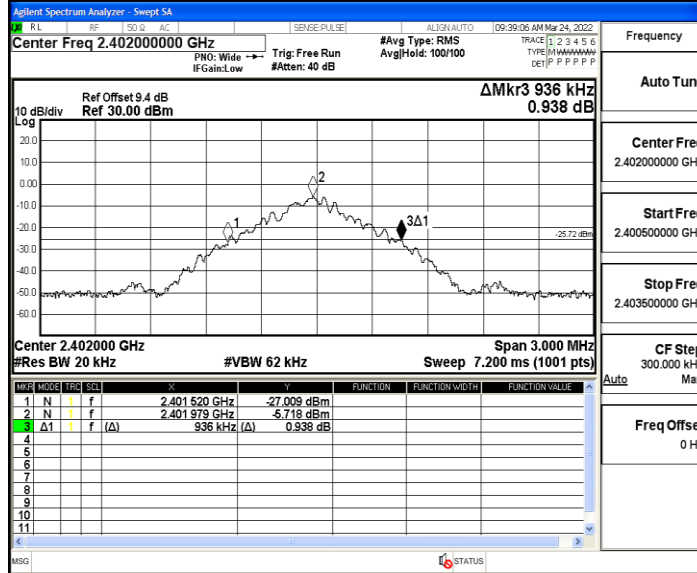
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

Appendix A: 20dB Emission Bandwidth Test Result

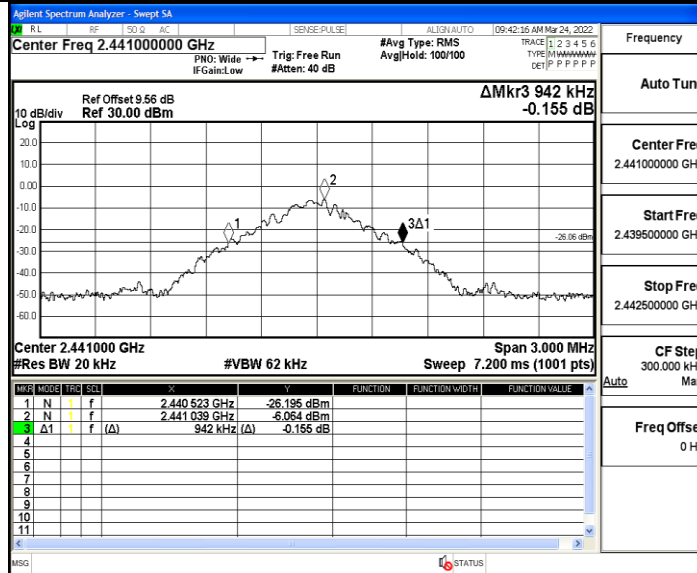
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.936	2401.520	2402.456	---	---
		2441	0.942	2440.523	2441.465	---	---
		2480	0.942	2479.523	2480.465	---	---
2DH5	Ant1	2402	1.329	2401.316	2402.645	---	---
		2441	1.335	2440.316	2441.651	---	---
		2480	1.314	2479.325	2480.639	---	---
3DH5	Ant1	2402	1.308	2401.328	2402.636	---	---
		2441	1.347	2440.307	2441.654	---	---
		2480	1.299	2479.334	2480.633	---	---

Test Graphs

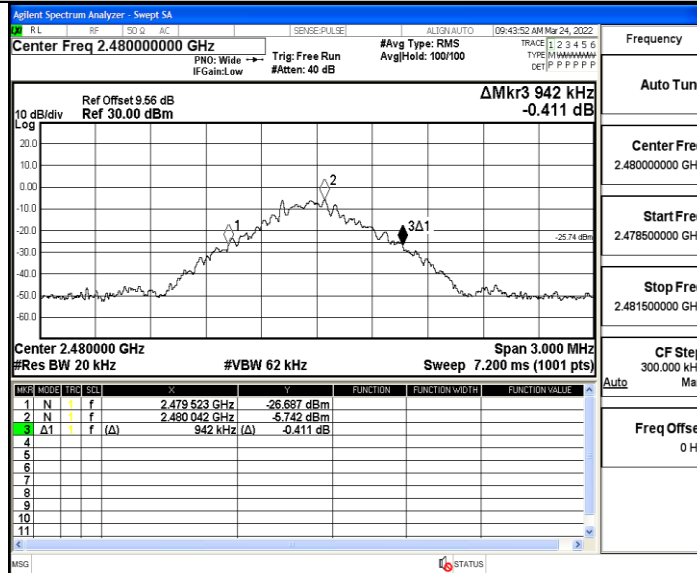
DH5_Ant1_2402



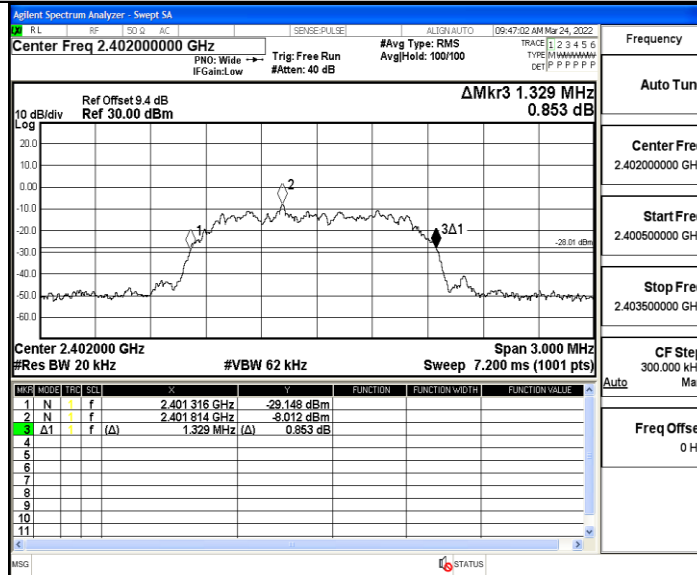
DH5_Ant1_2441



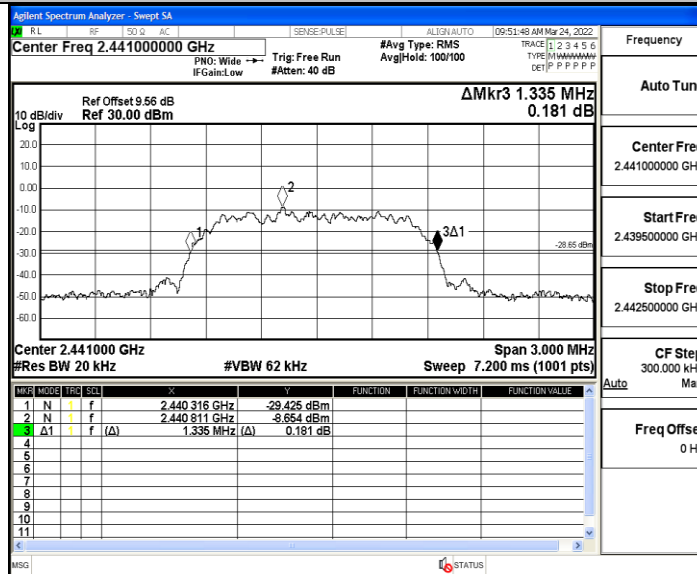
DH5_Ant1_2480



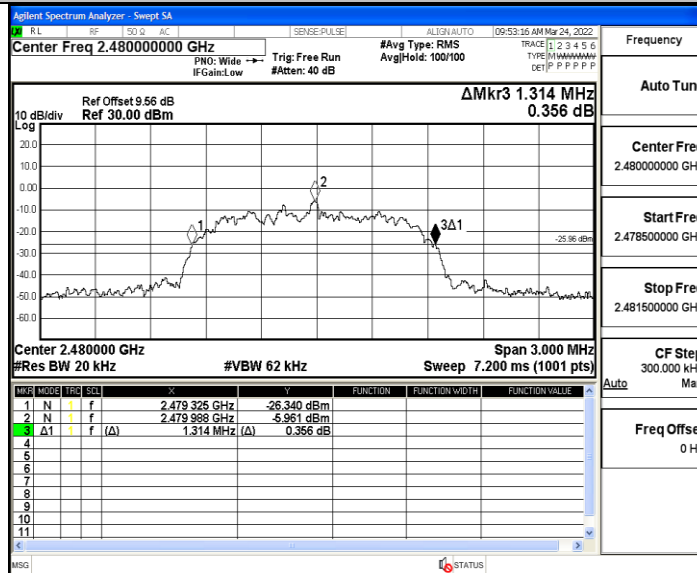
2DH5_Ant1_2402



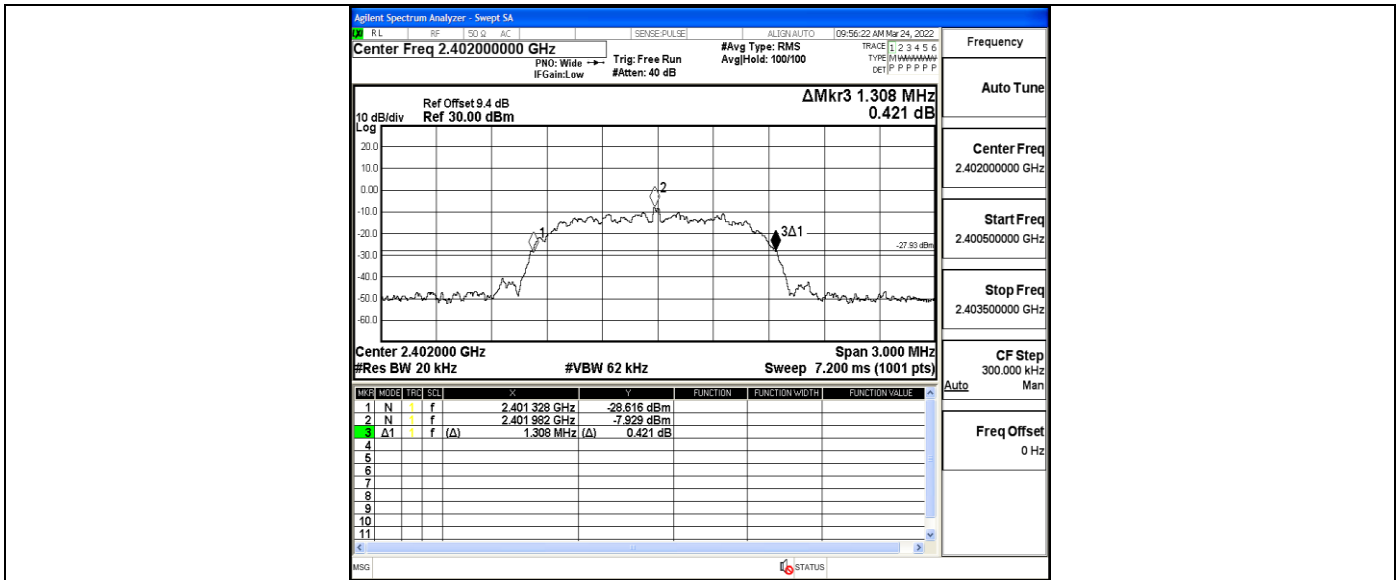
2DH5_Ant1_2441



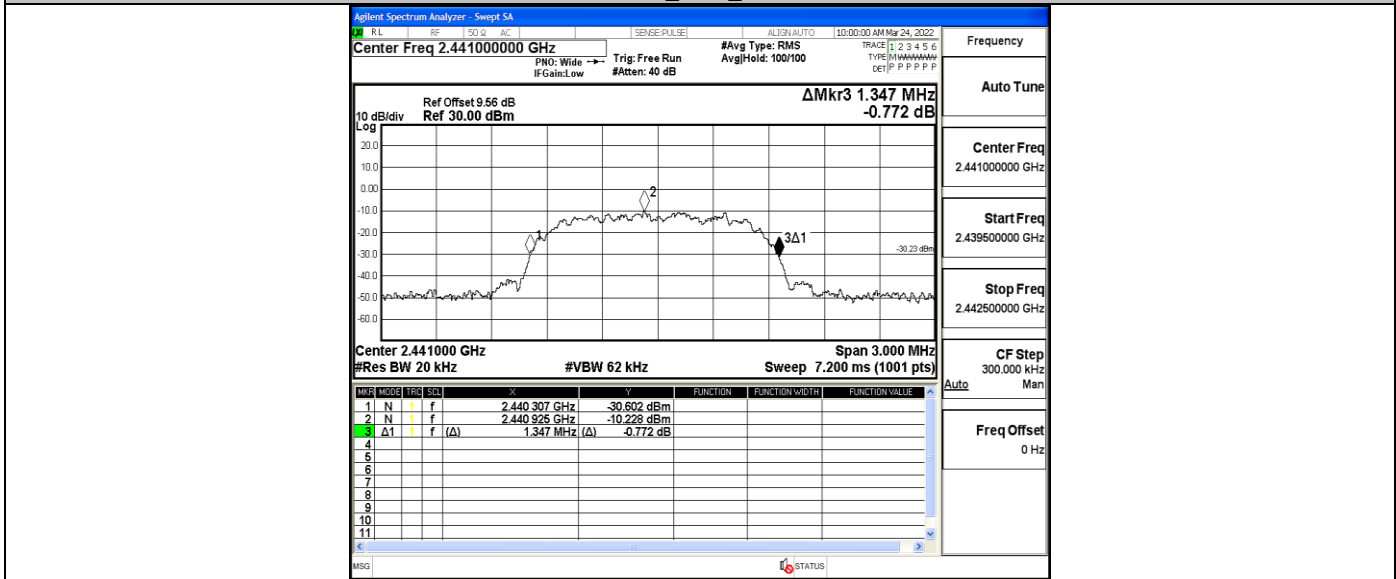
2DH5_Ant1_2480



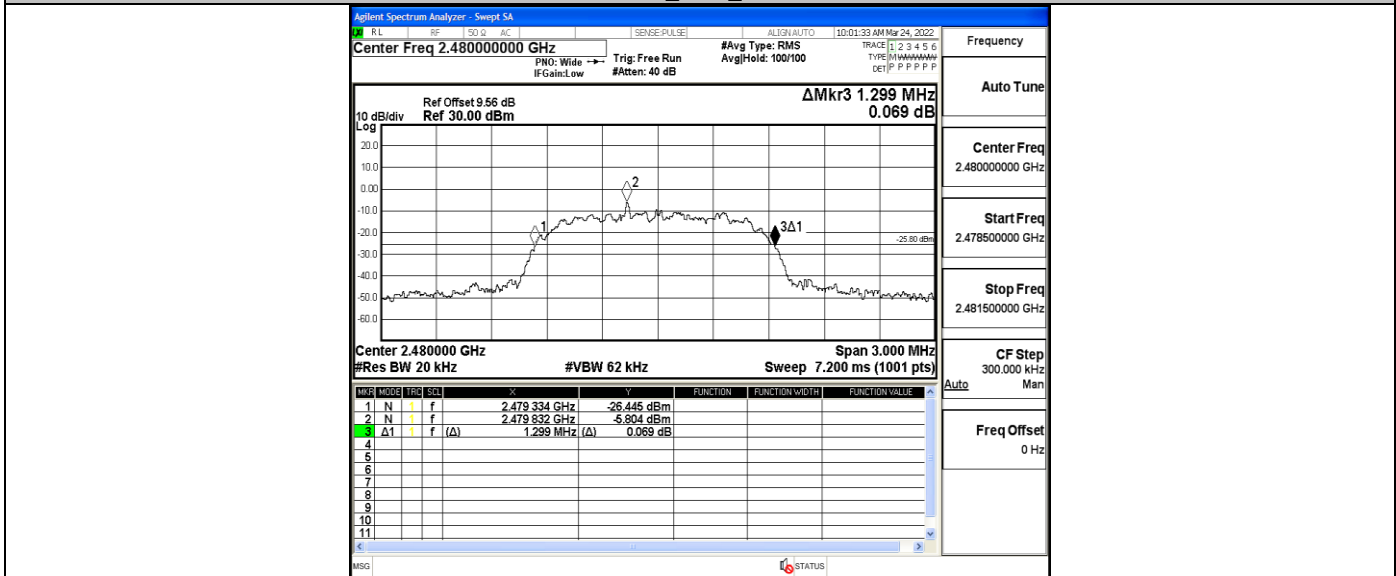
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

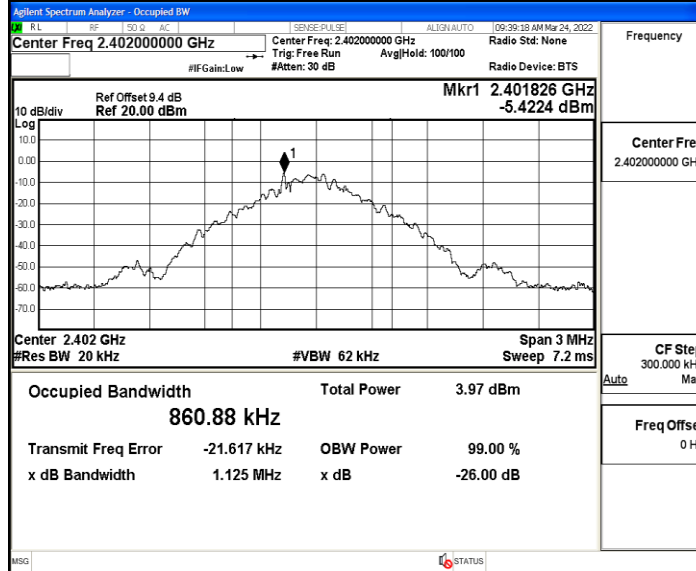


Appendix B: Occupied Channel Bandwidth Test Result

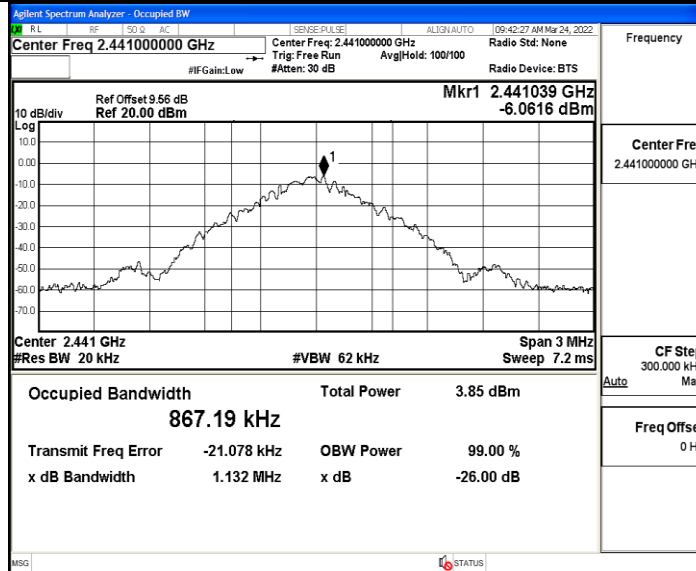
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86088	2401.548	2402.409	---	---
		2441	0.86719	2440.545	2441.413	---	---
		2480	0.85747	2479.553	2480.410	---	---
2DH5	Ant1	2402	1.1955	2401.383	2402.578	---	---
		2441	1.1864	2440.387	2441.574	---	---
		2480	1.1905	2479.388	2480.579	---	---
3DH5	Ant1	2402	1.1882	2401.381	2402.570	---	---
		2441	1.1886	2440.382	2441.570	---	---
		2480	1.1942	2479.381	2480.575	---	---

Test Graphs

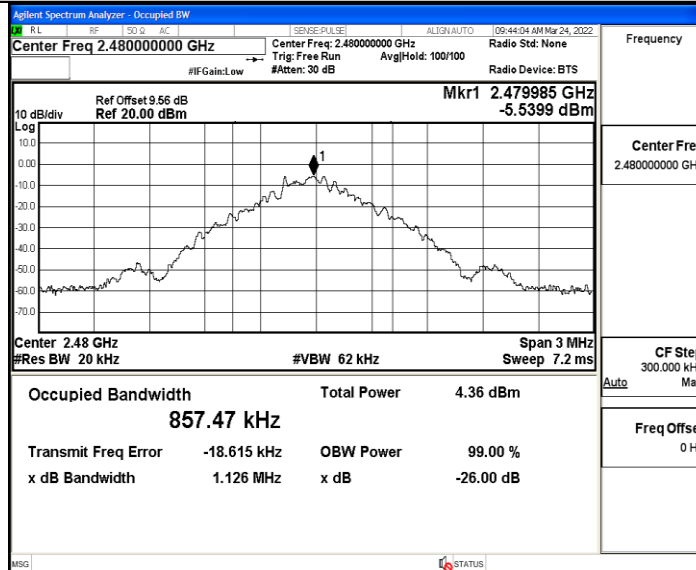
DH5_Ant1_2402



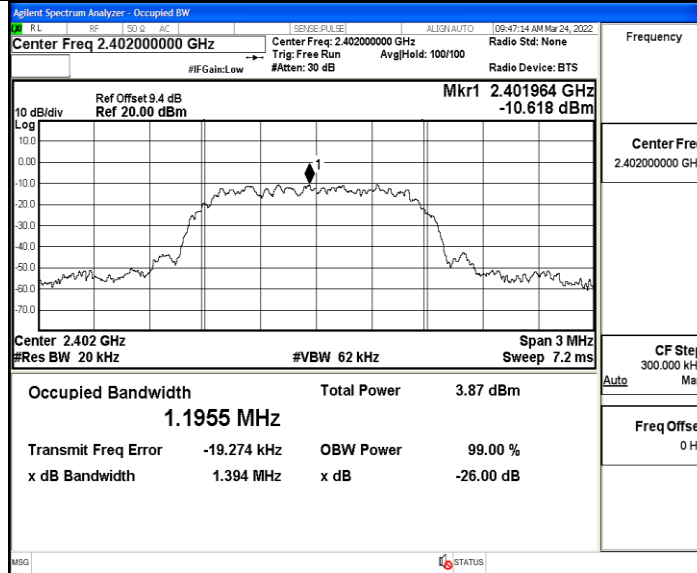
DH5_Ant1_2441



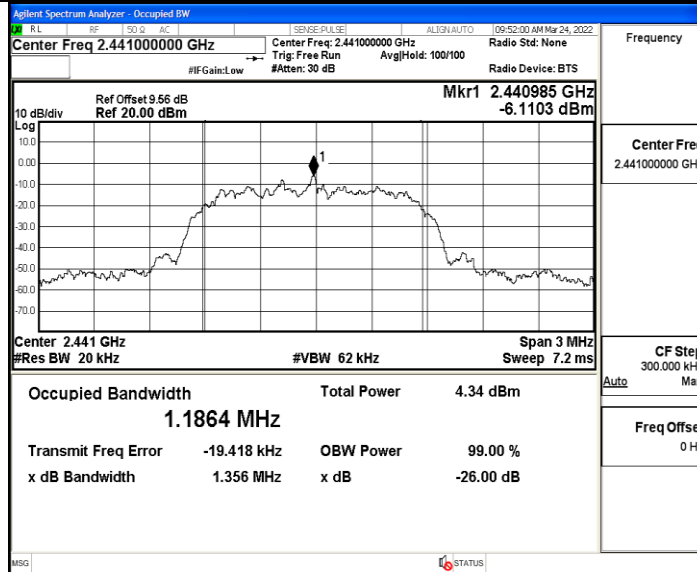
DH5_Ant1_2480



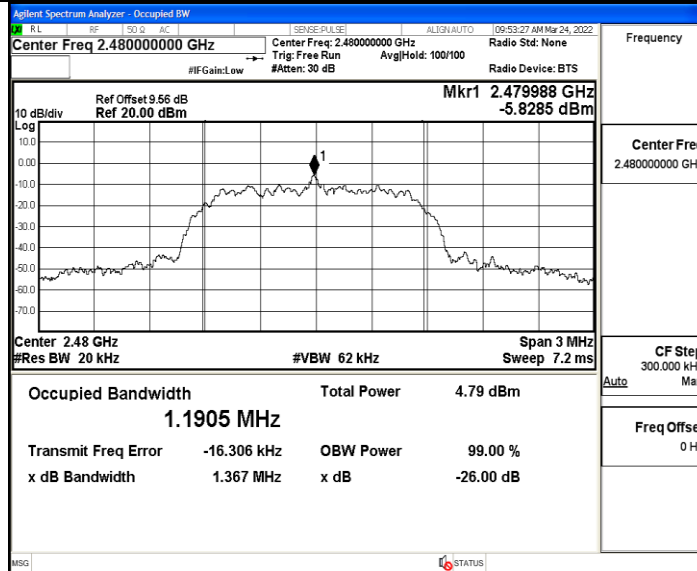
2DH5_Ant1_2402



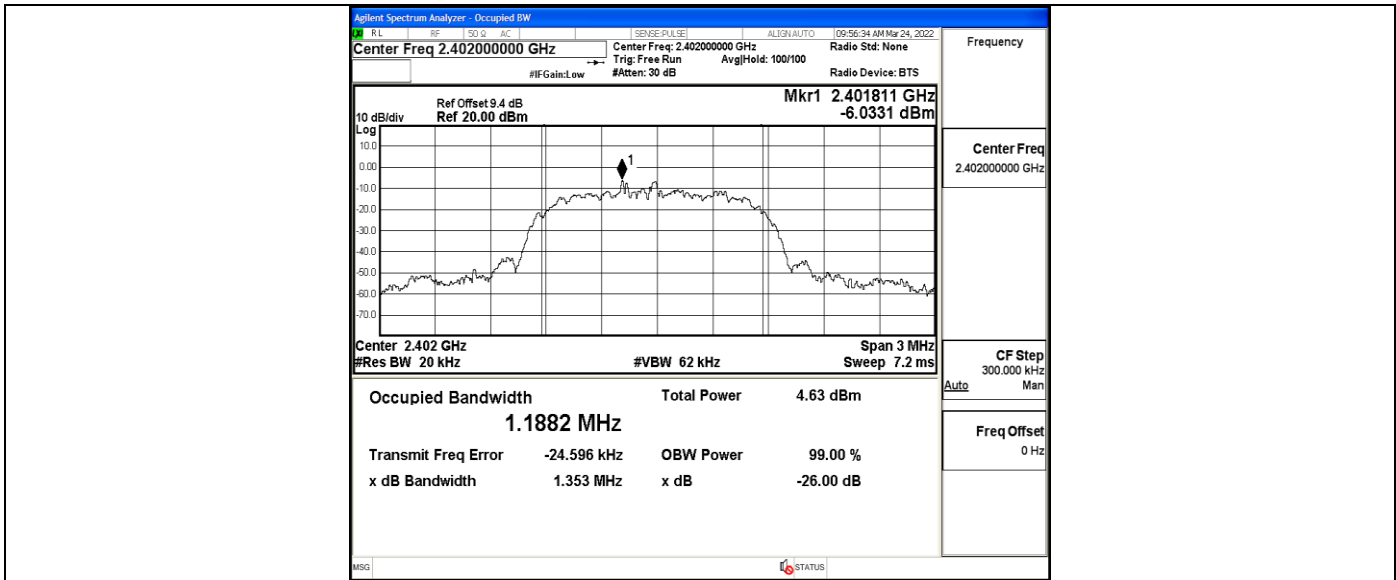
2DH5_Ant1_2441



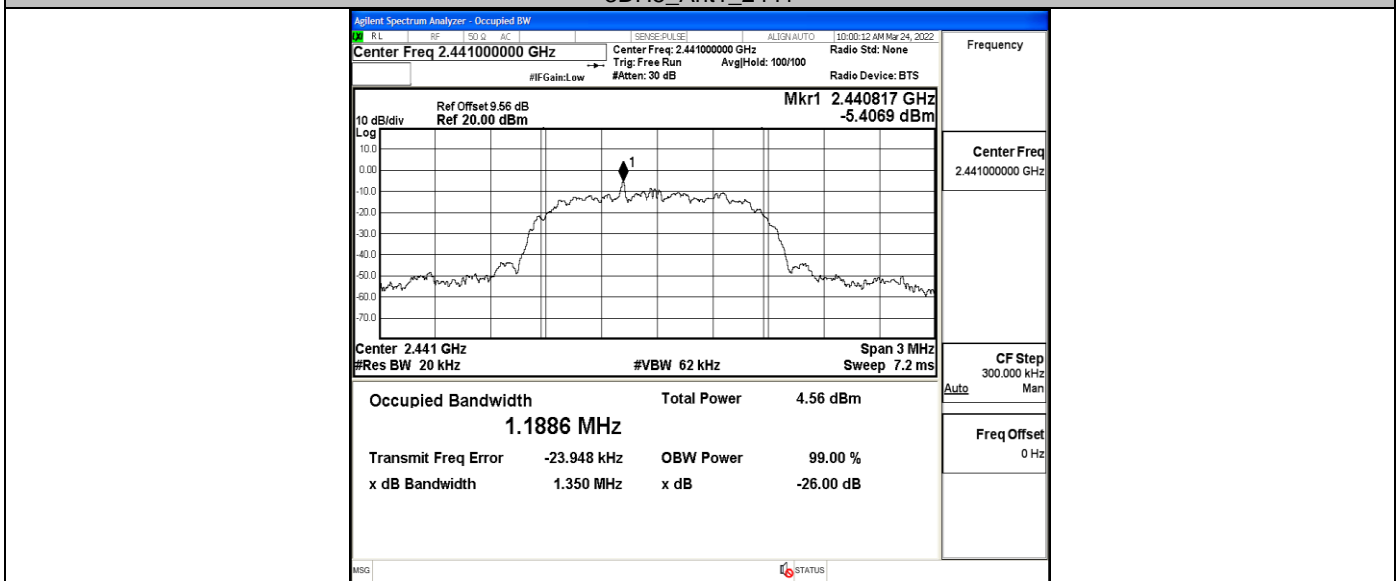
2DH5_Ant1_2480



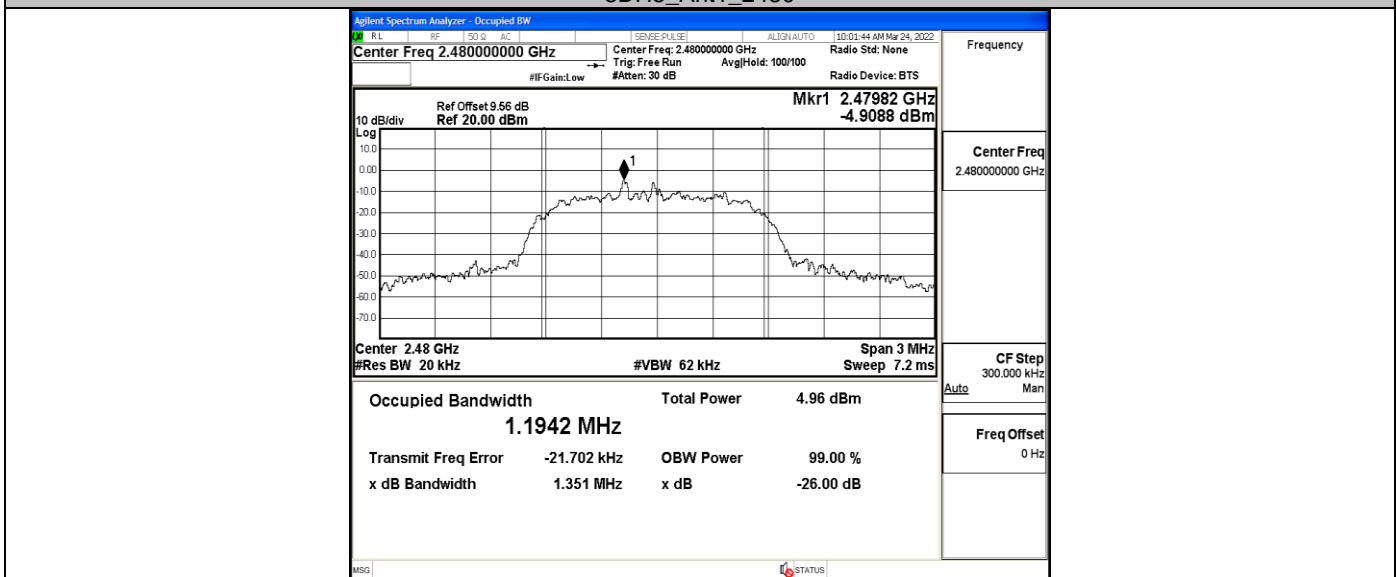
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

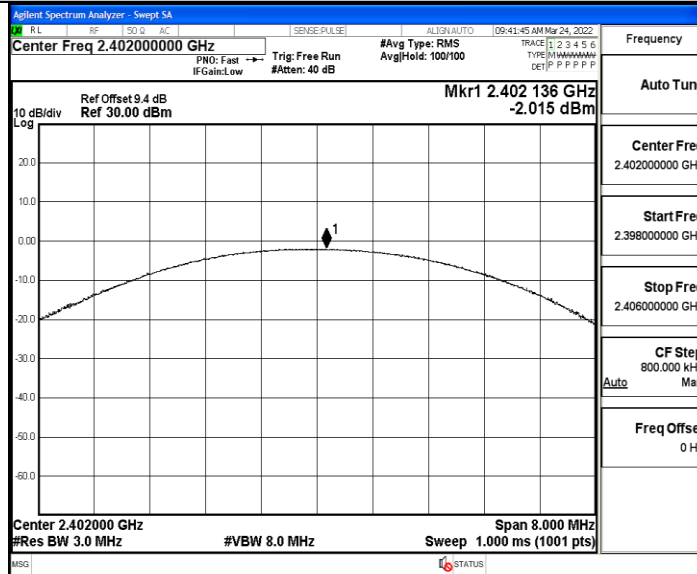


Appendix C: Maximum conducted output power Test Result

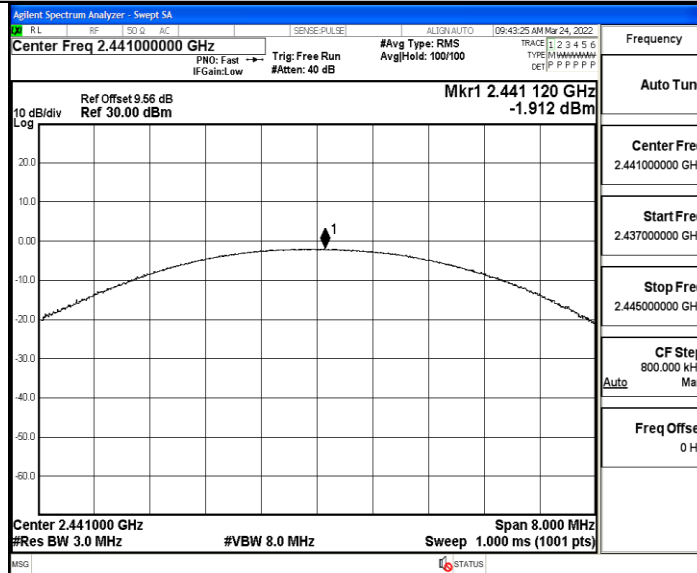
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.02	≤20.97	PASS
		2441	-1.91	≤20.97	PASS
		2480	-1.77	≤20.97	PASS
2DH5	Ant1	2402	0.63	≤20.97	PASS
		2441	0.8	≤20.97	PASS
		2480	1.04	≤20.97	PASS
3DH5	Ant1	2402	1.34	≤20.97	PASS
		2441	1.38	≤20.97	PASS
		2480	1.93	≤20.97	PASS

Test Graphs

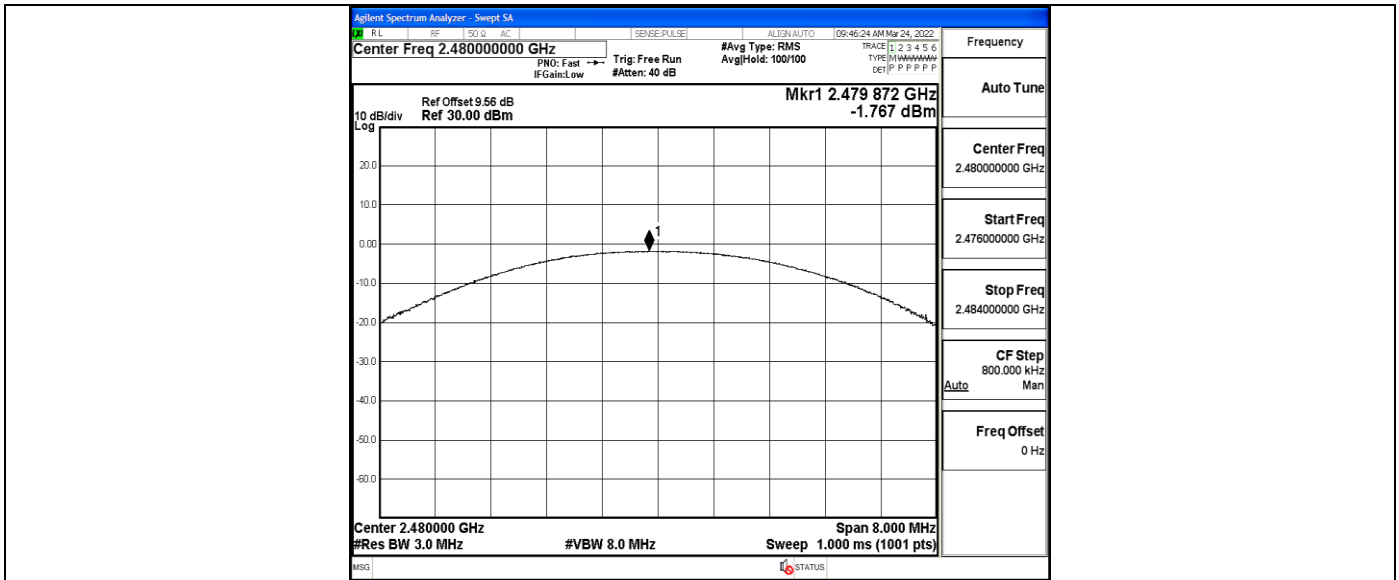
DH5_Ant1_2402



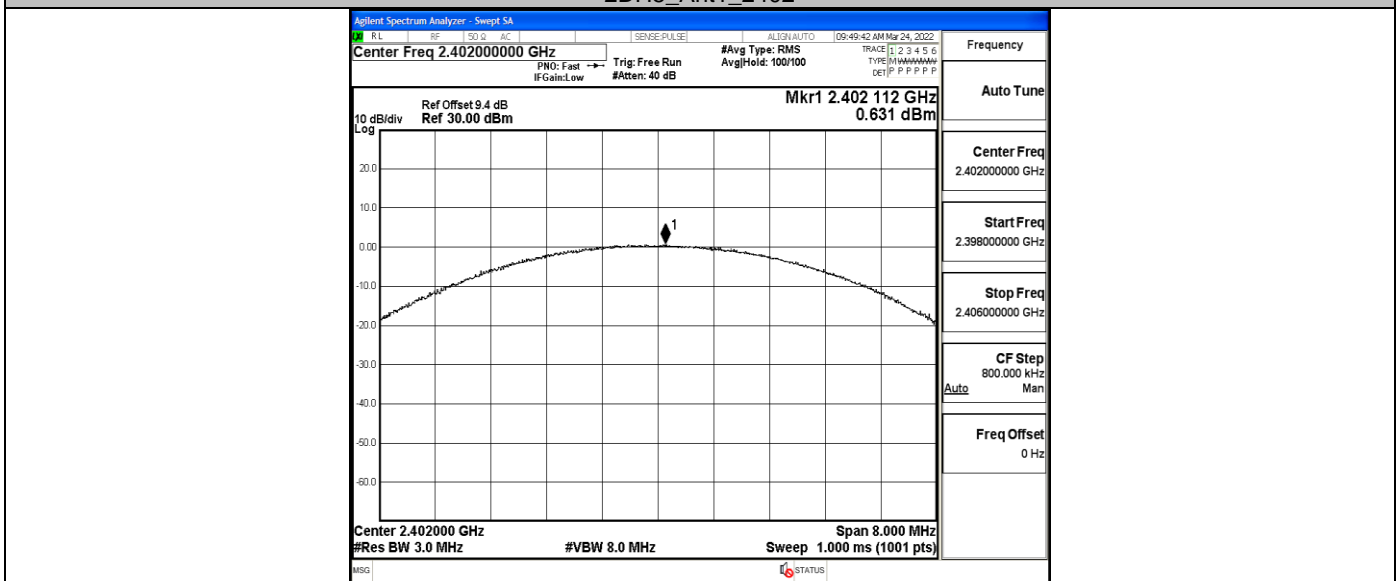
DH5_Ant1_2441



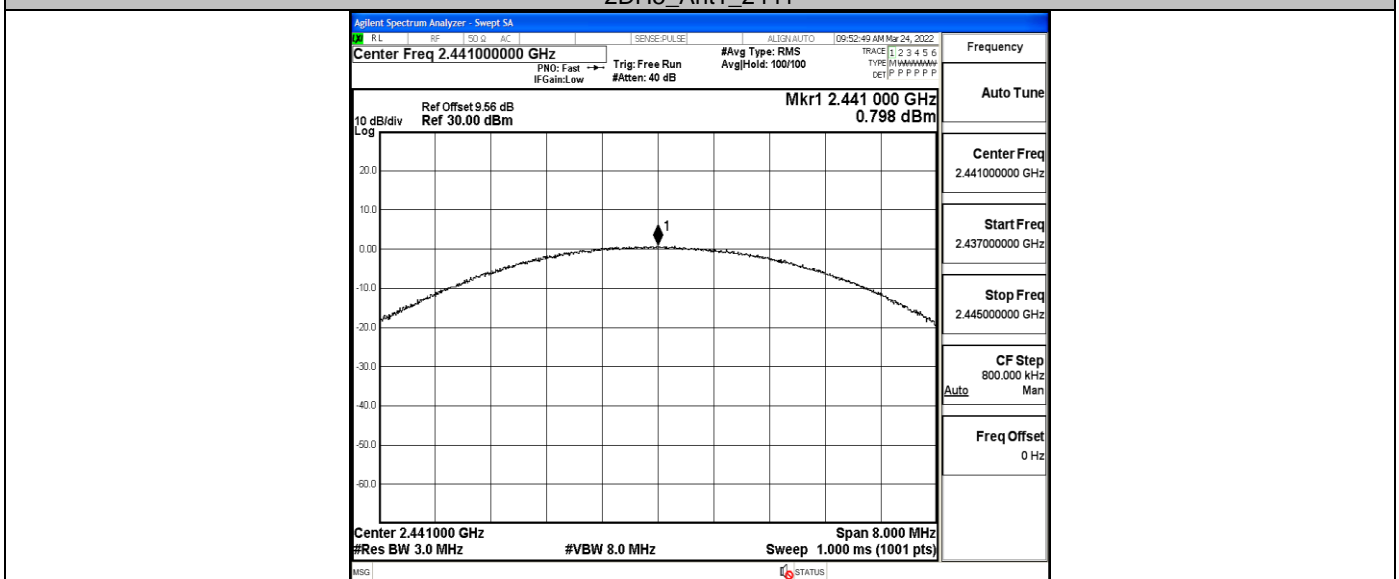
DH5_Ant1_2480



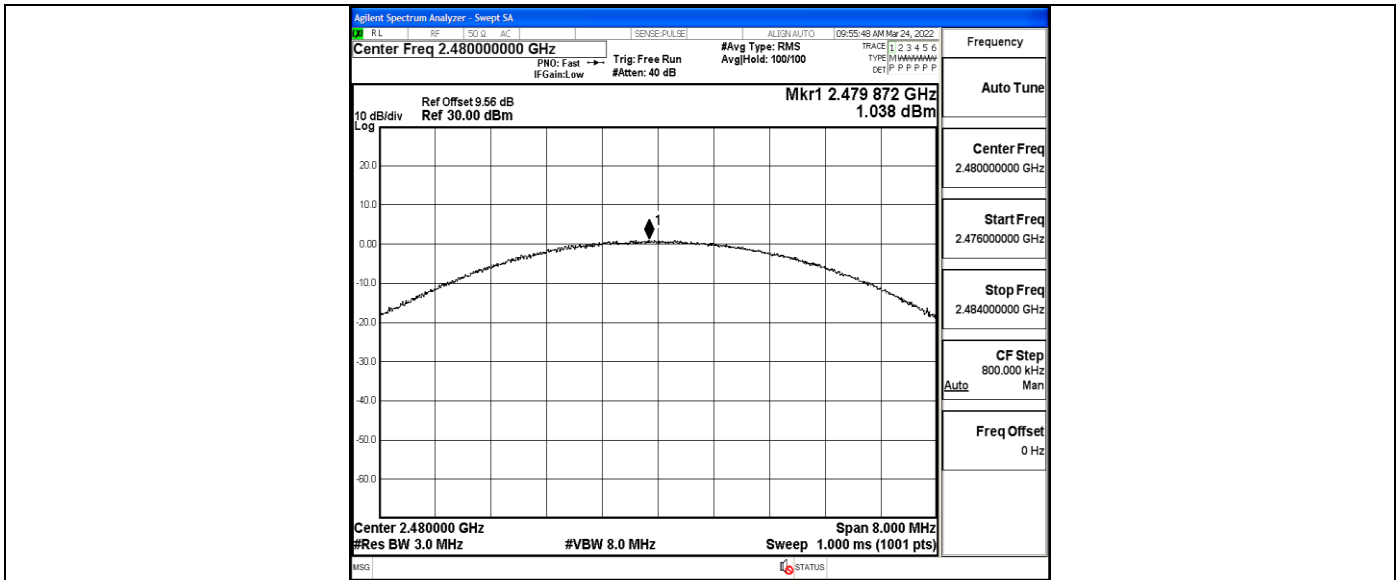
2DH5_Ant1_2402



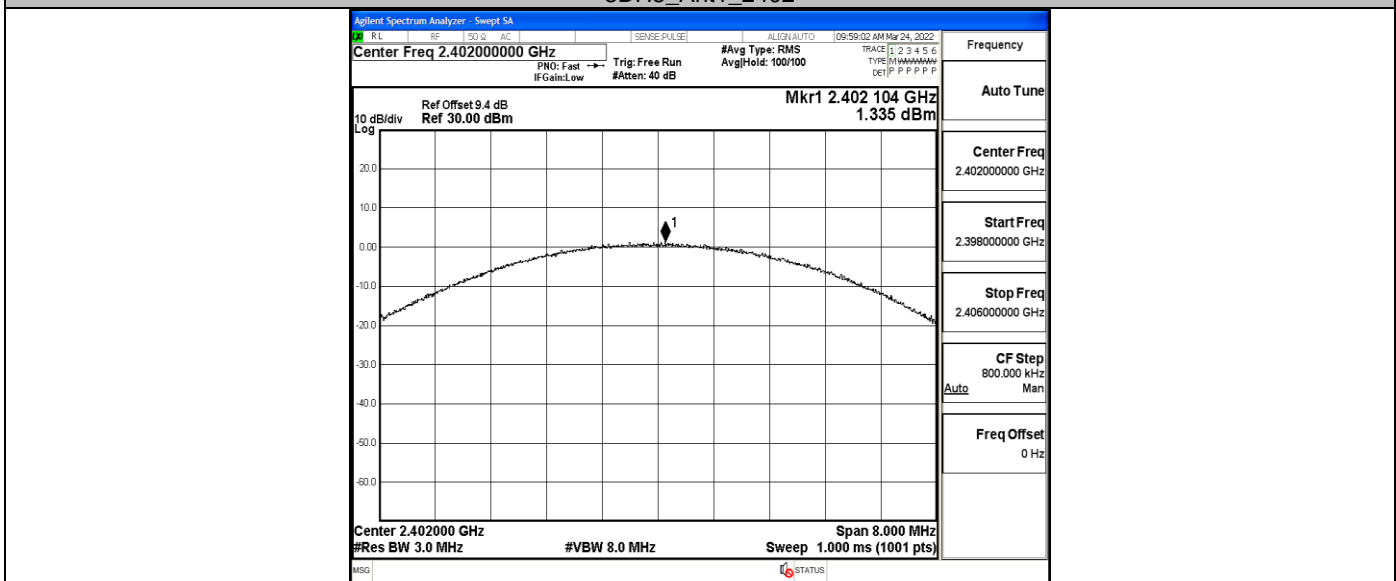
2DH5_Ant1_2441



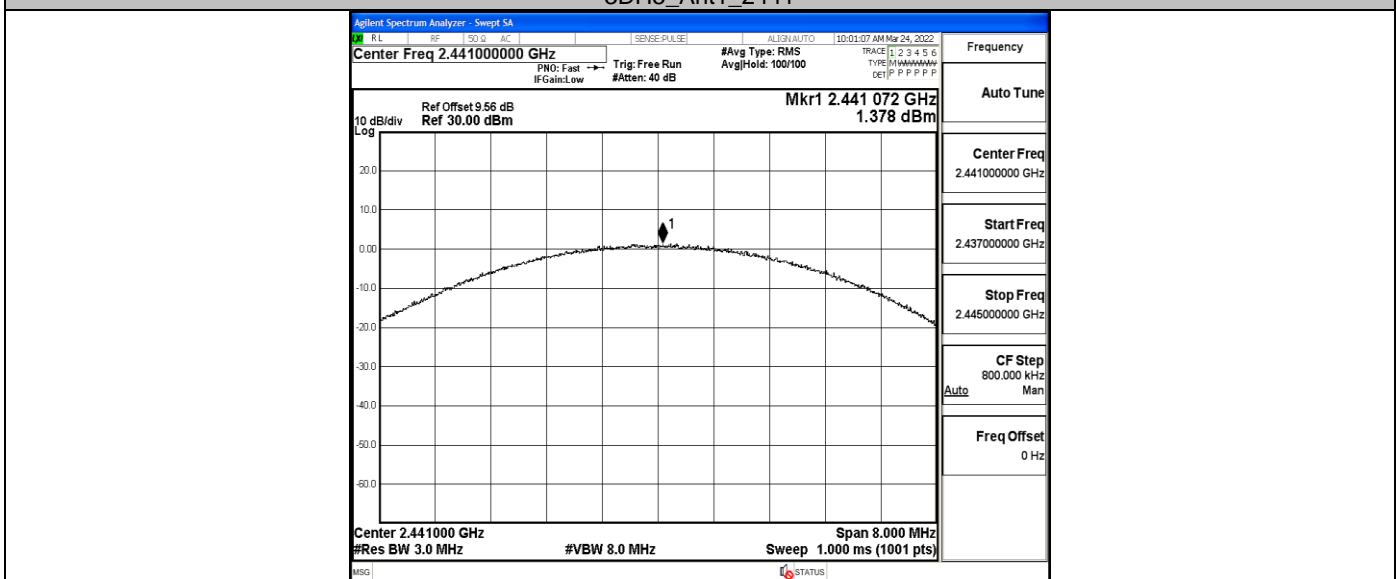
2DH5_Ant1_2480



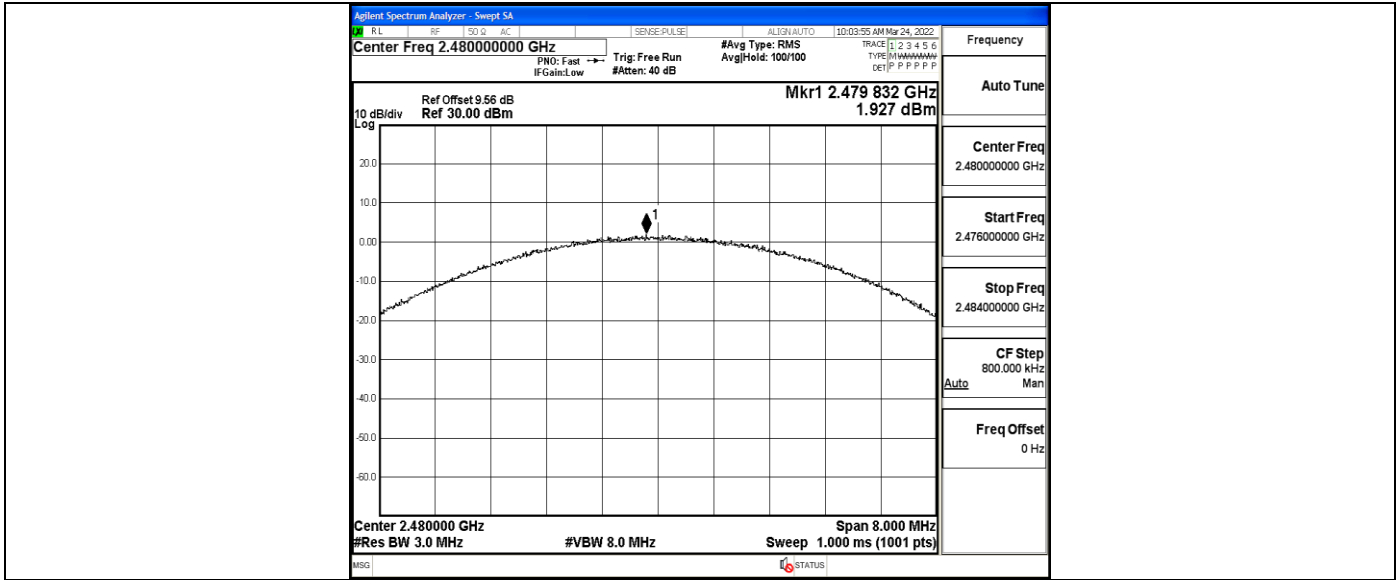
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

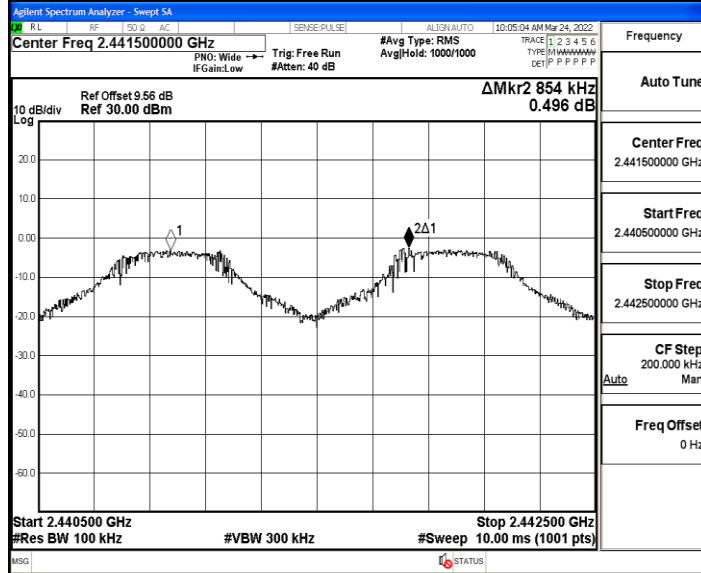


Appendix D: Carrier frequency separation**Test Result**

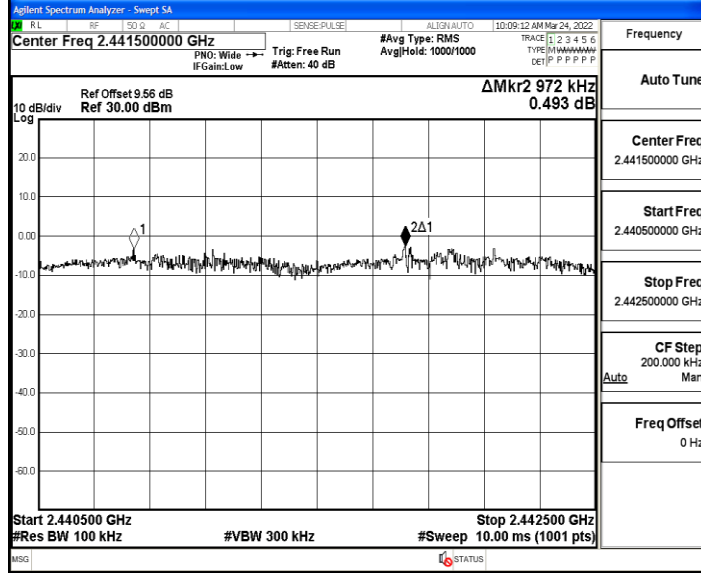
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.854	≥ 0.628	PASS
2DH5	Ant1	Hop	0.972	≥ 0.890	PASS
3DH5	Ant1	Hop	0.992	≥ 0.898	PASS

Test Graphs

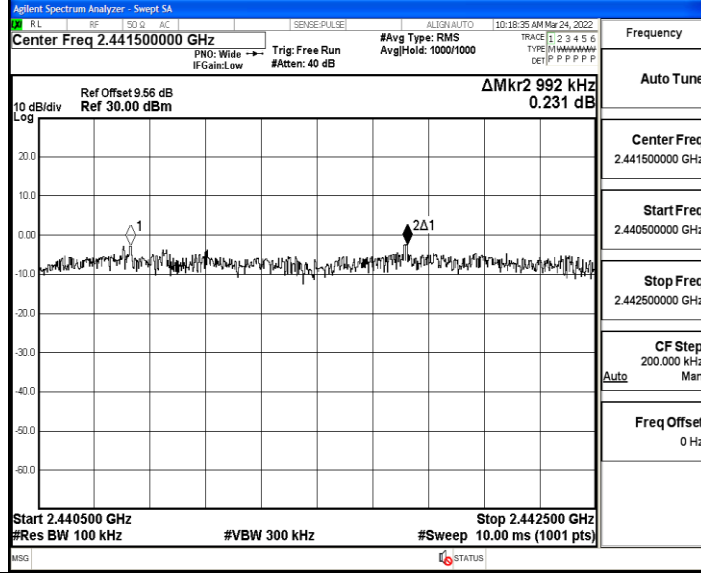
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

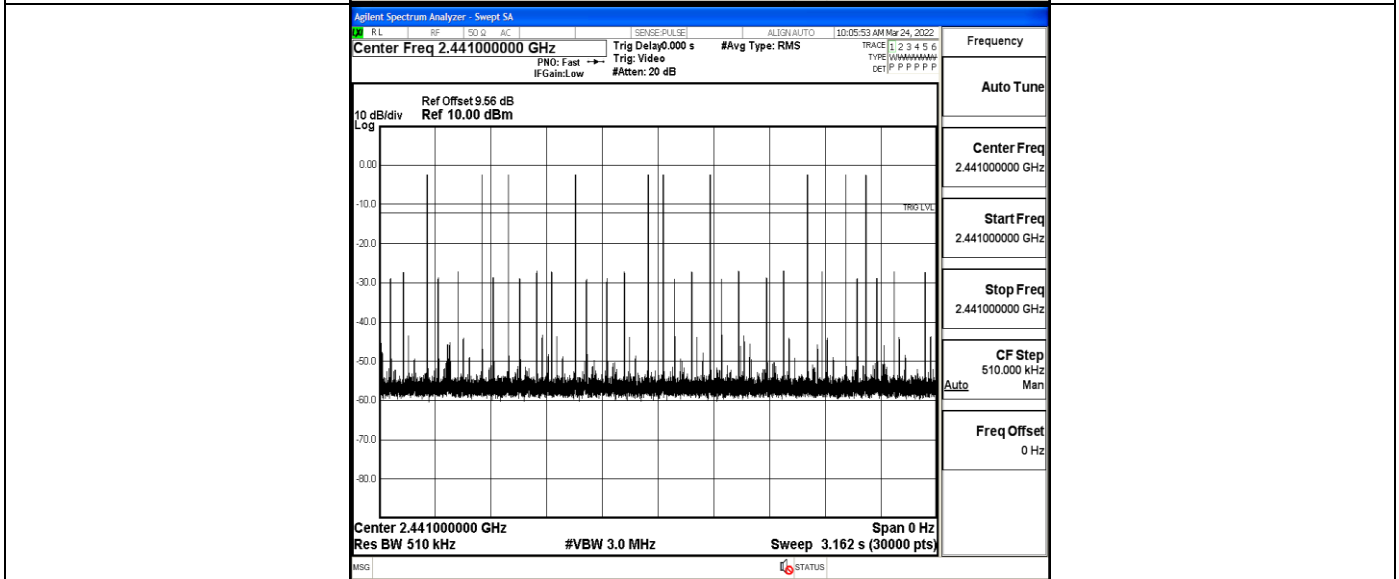
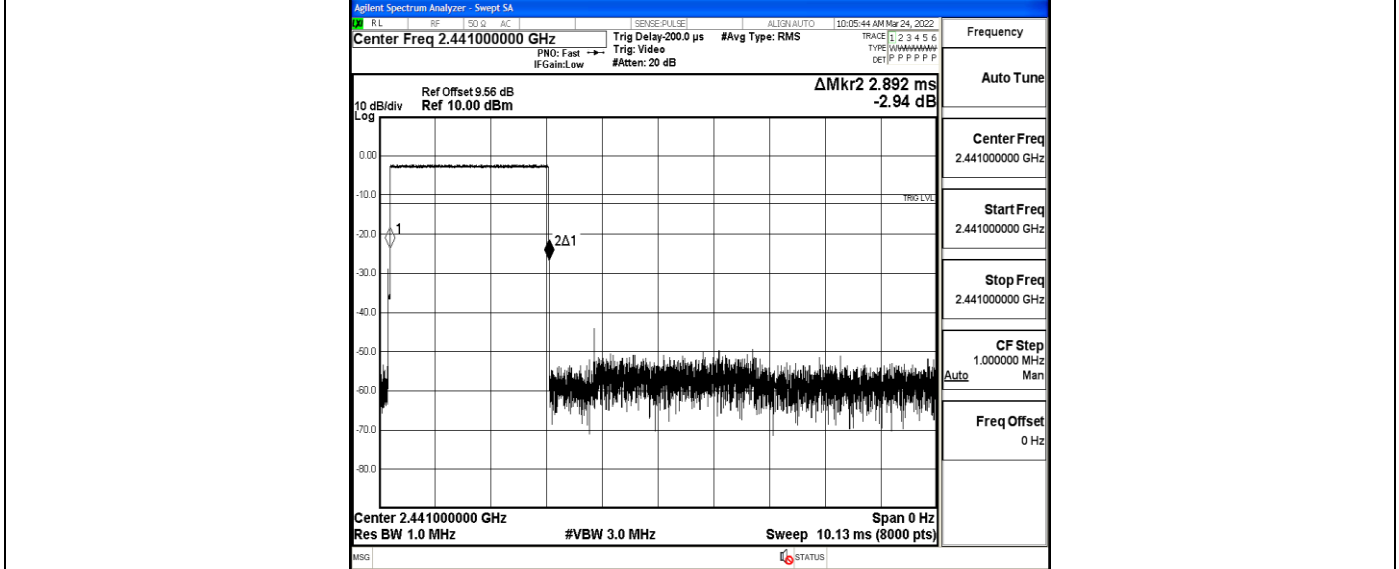


Appendix E: Time of occupancy**Test Result**

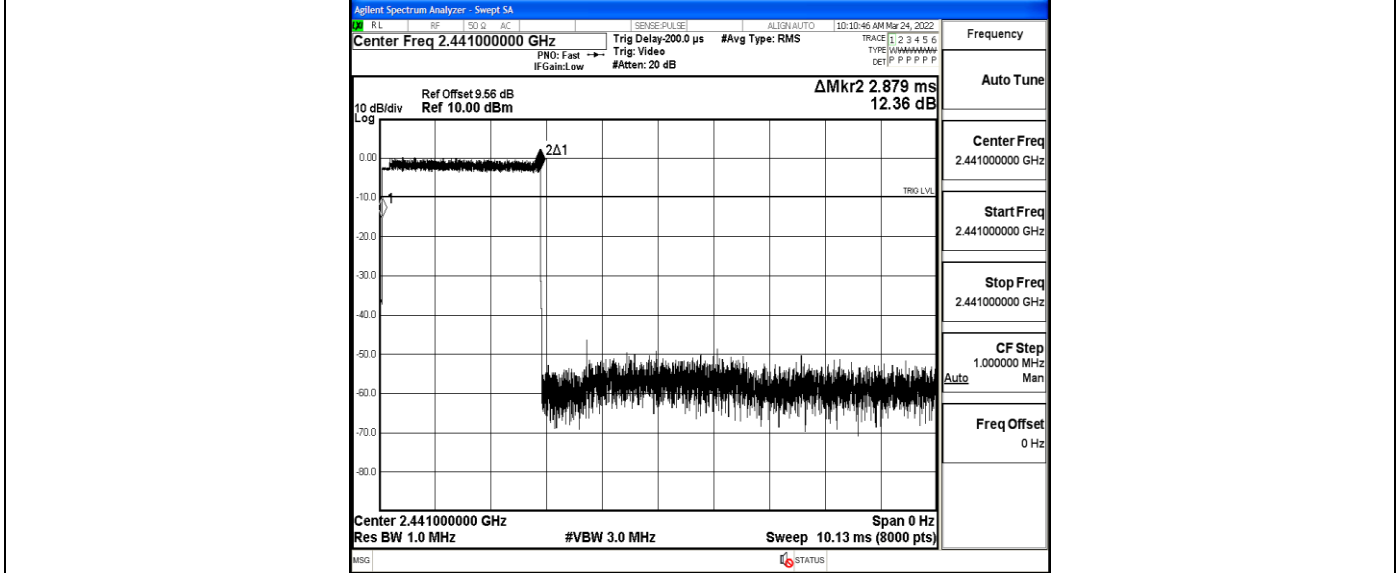
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

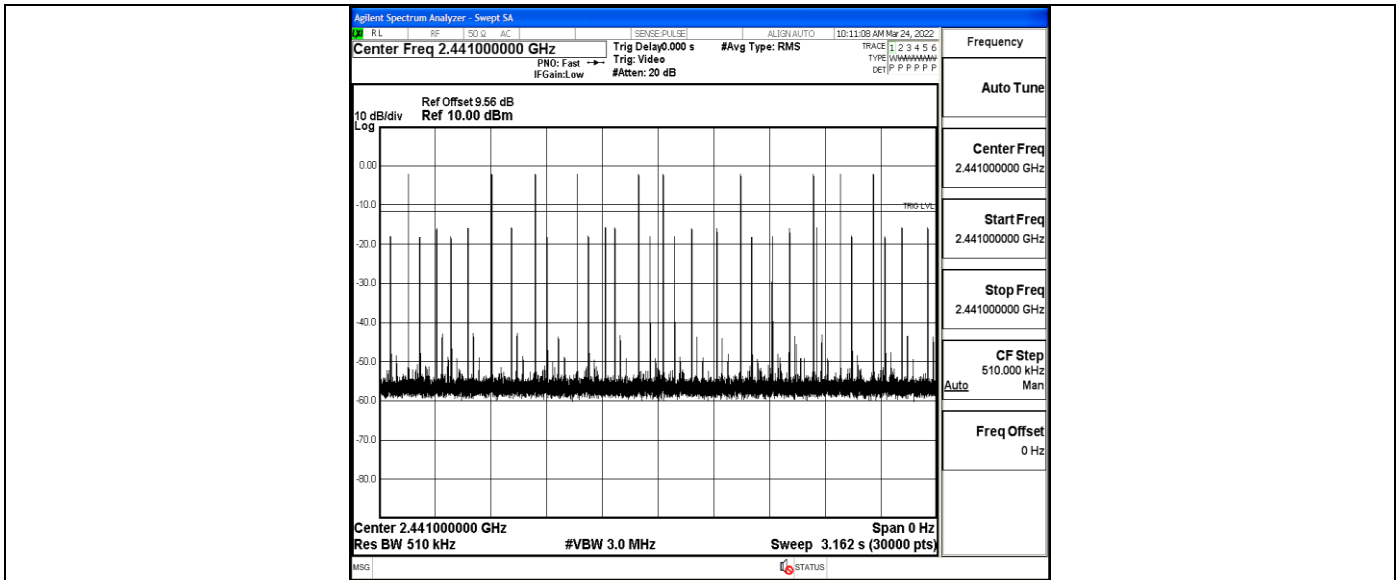
Test Graphs

DH5_Ant1_Hop

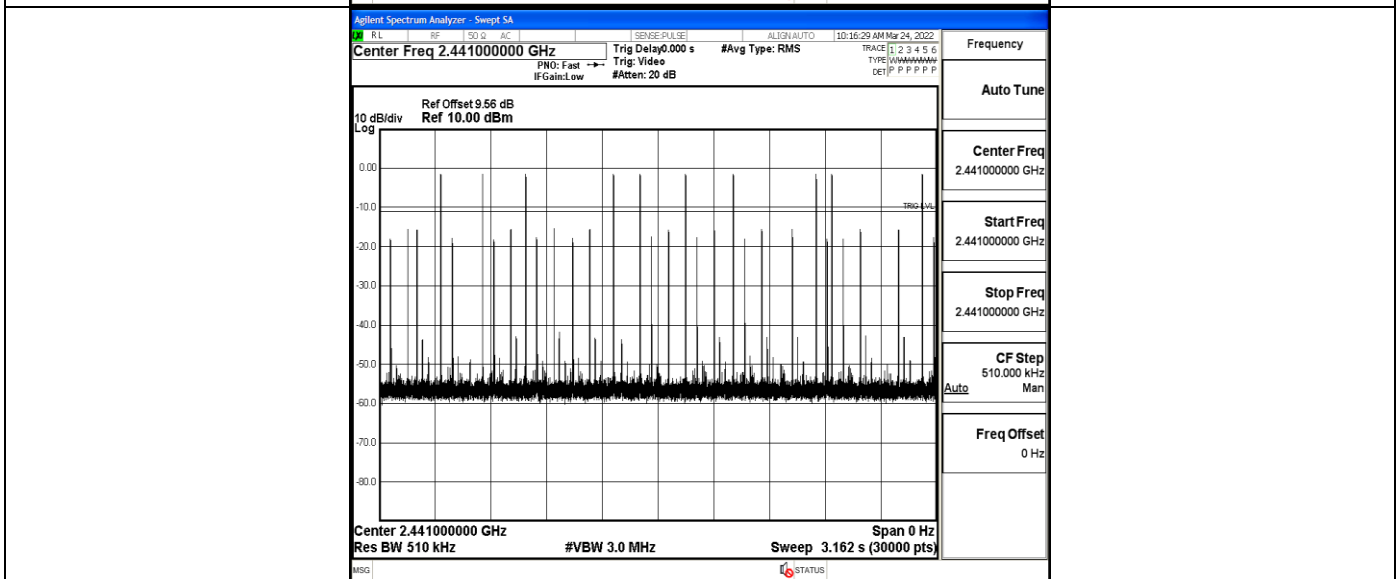
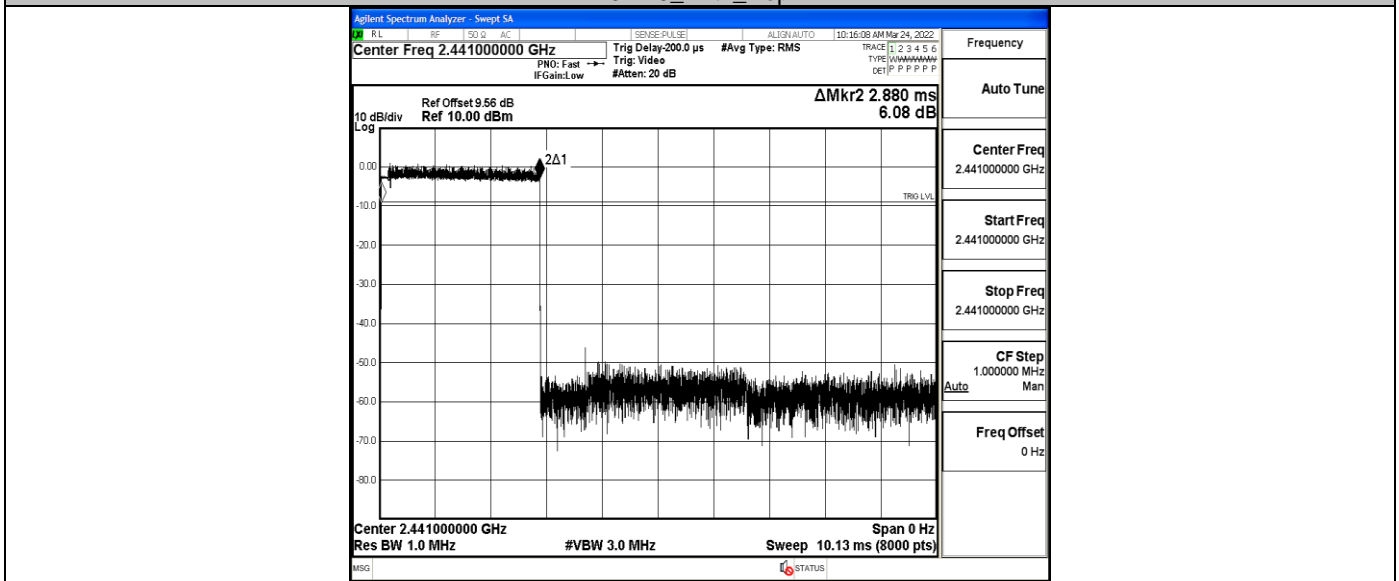


2DH5_Ant1_Hop





3DH5_Ant1_Hop

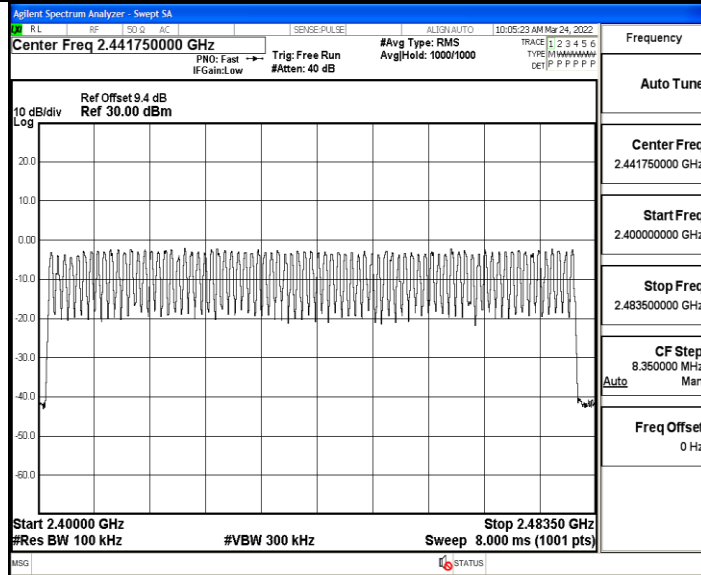


Appendix F: Number of hopping channels**Test Result**

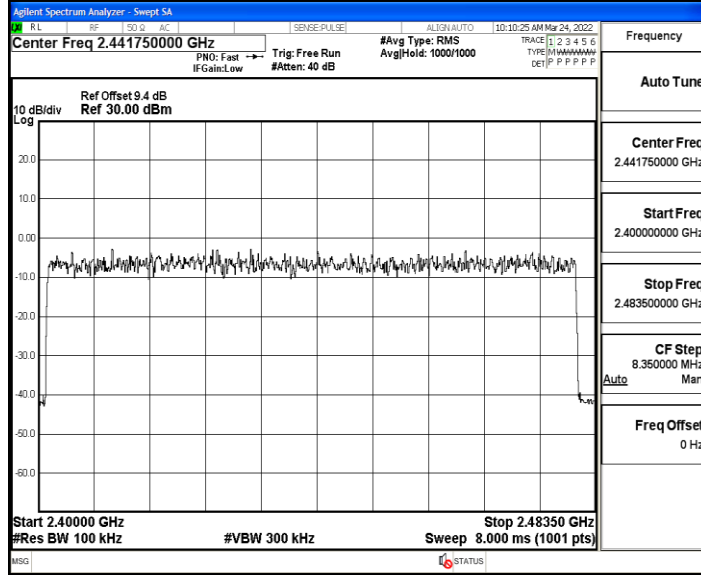
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

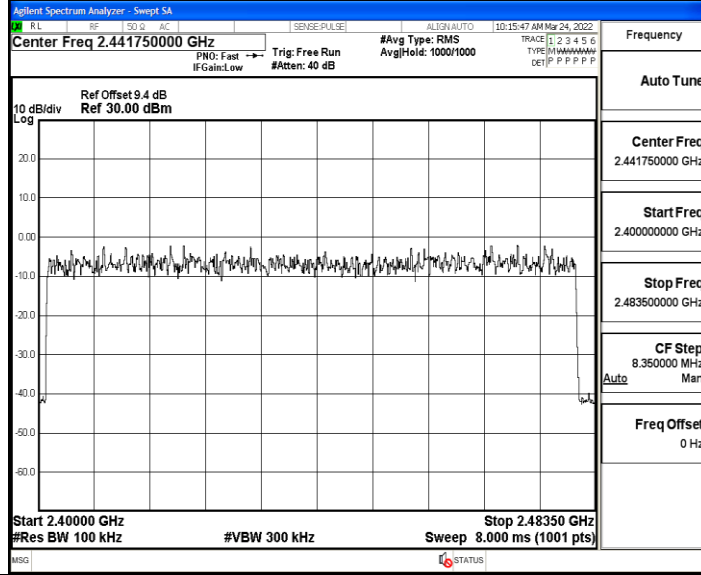
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



Appendix G: Band edge measurements

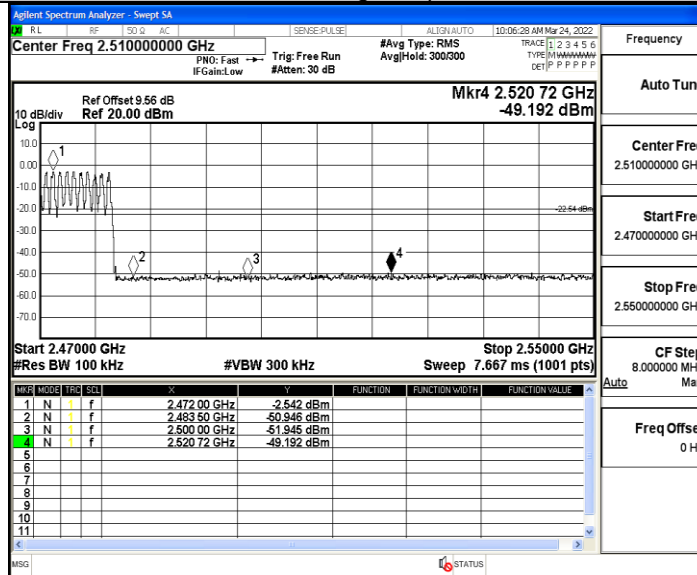
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.60	-48.54	≤ -22.6	PASS
		High	2480	-2.32	-48.66	≤ -22.32	PASS
		Low	Hop_2402	-2.90	-48.71	≤ -22.9	PASS
		High	Hop_2480	-2.54	-49.19	≤ -22.54	PASS
2DH5	Ant1	Low	2402	-3.44	-49.9	≤ -23.44	PASS
		High	2480	-2.74	-48.87	≤ -22.74	PASS
		Low	Hop_2402	-4.83	-49.4	≤ -24.83	PASS
		High	Hop_2480	-4.56	-48.94	≤ -24.56	PASS
3DH5	Ant1	Low	2402	-2.68	-49.19	≤ -22.68	PASS
		High	2480	-2.29	-48.74	≤ -22.29	PASS
		Low	Hop_2402	-5.62	-49.5	≤ -25.62	PASS
		High	Hop_2480	-3.61	-48.57	≤ -23.61	PASS

Test Graphs

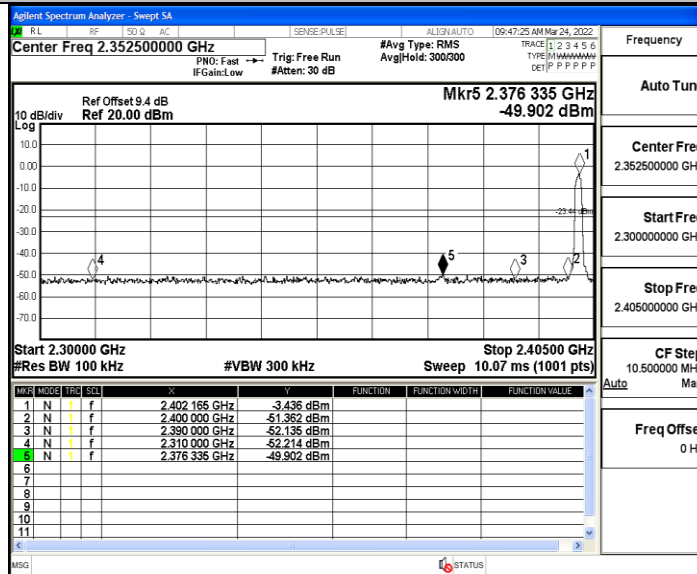


DH5_Ant1_High_Hop_2480



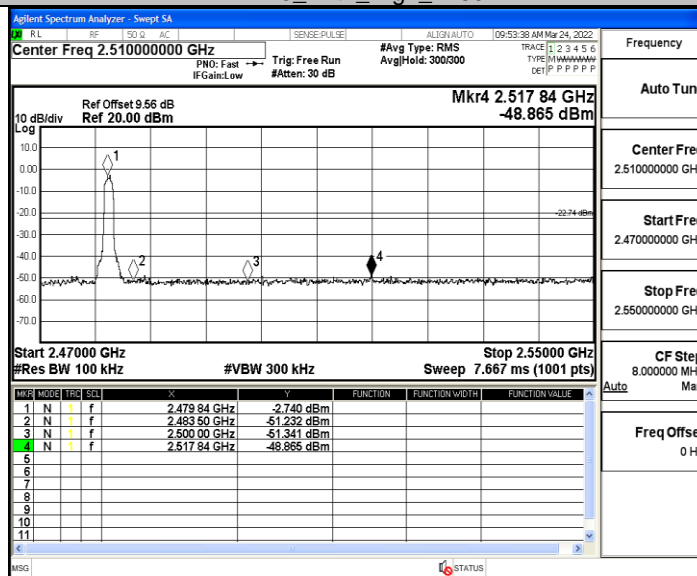
Frequency	Auto Tune
Center Freq	2.51000000 GHz
Start Freq	2.47000000 GHz
Stop Freq	2.55000000 GHz
CF Step	8.000000 MHz
Freq Offset	0 Hz

2DH5_Ant1_Low_2402



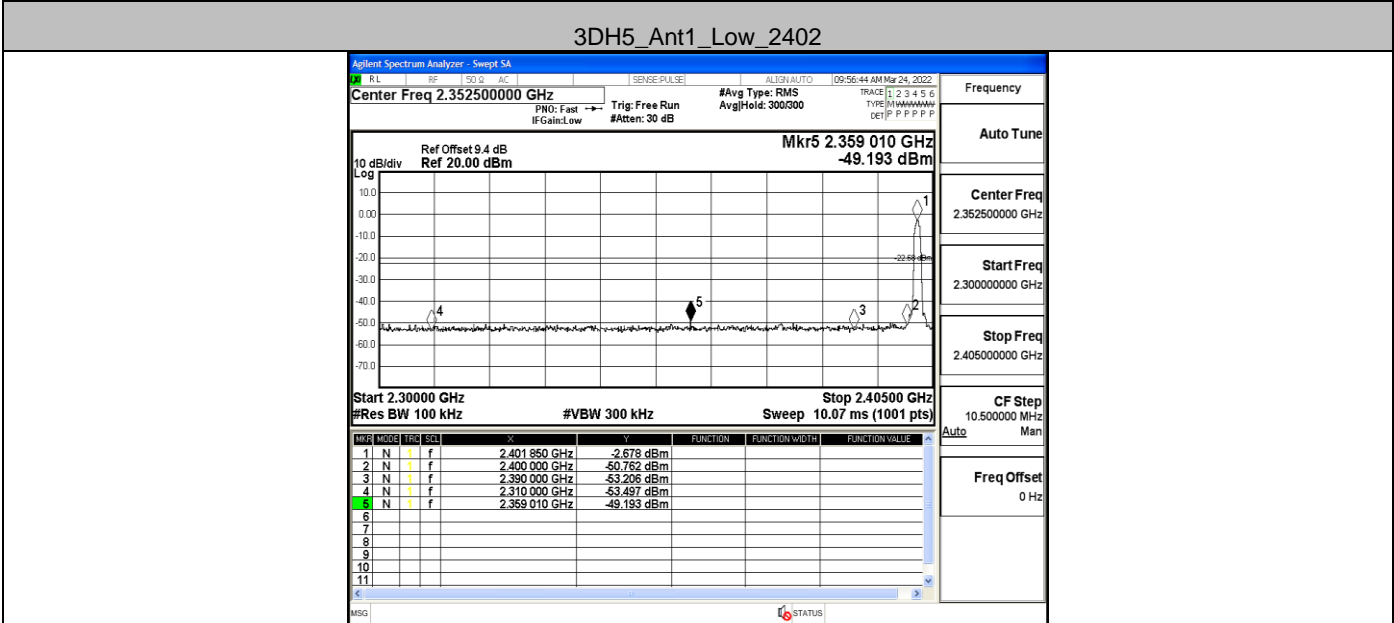
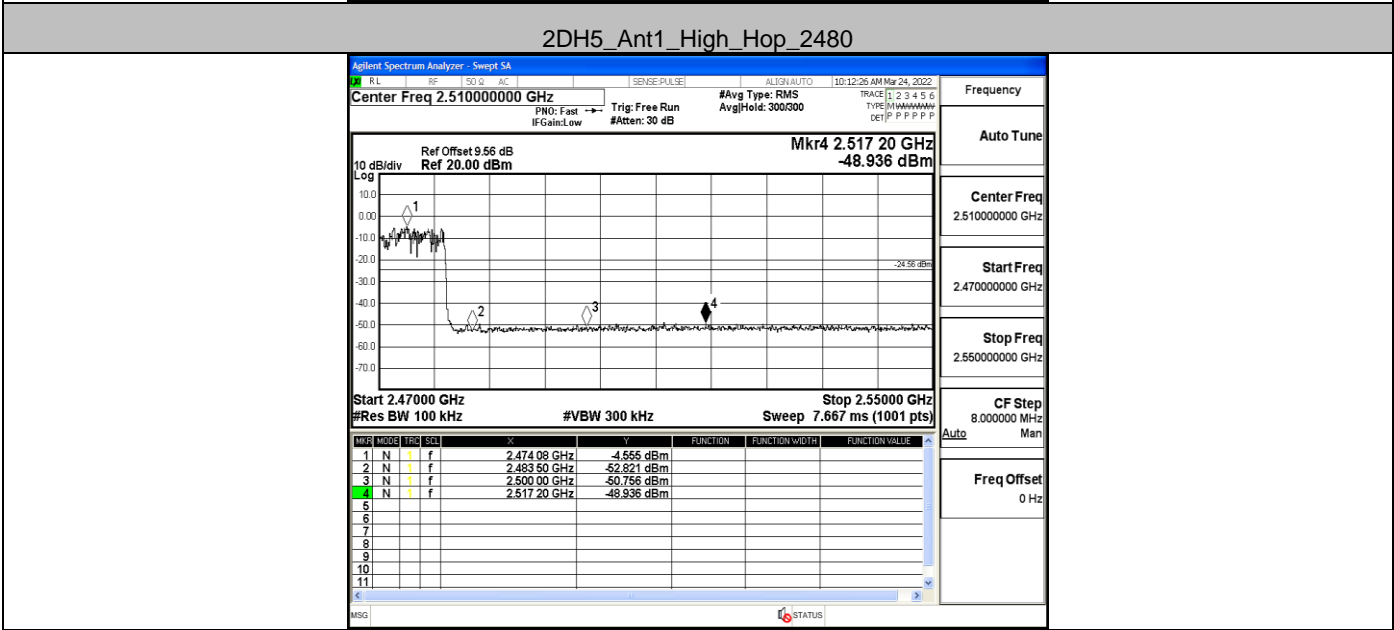
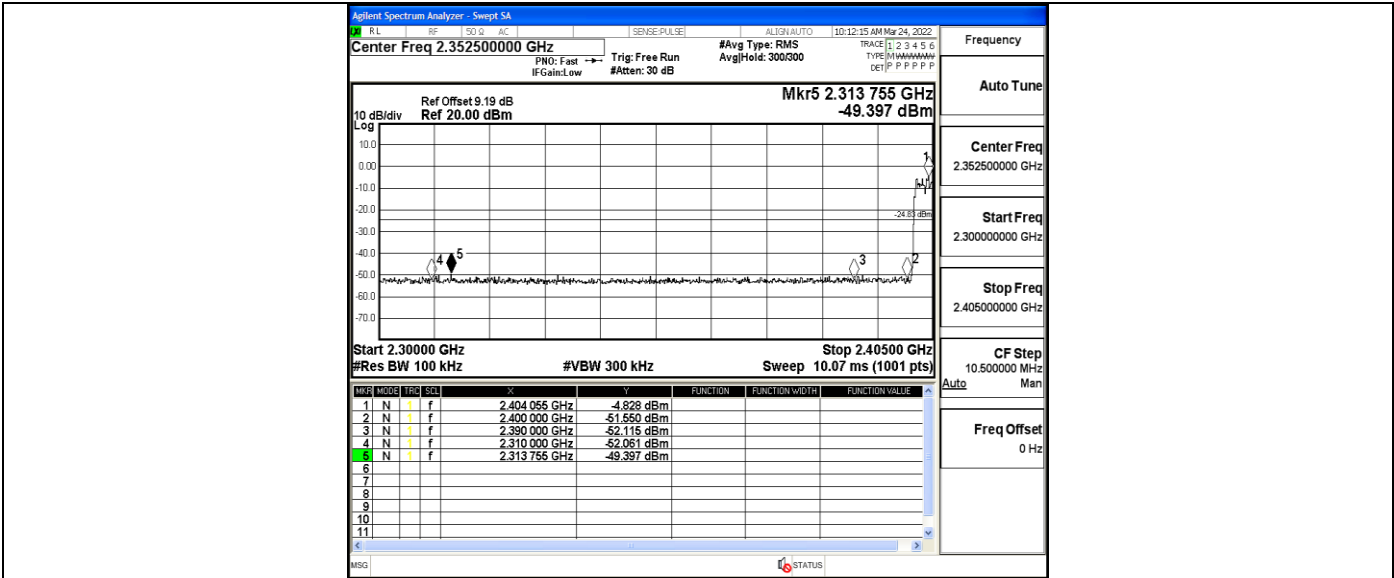
Frequency	Auto Tune
Center Freq	2.35250000 GHz
Start Freq	2.30000000 GHz
Stop Freq	2.40500000 GHz
CF Step	10.500000 MHz
Freq Offset	0 Hz

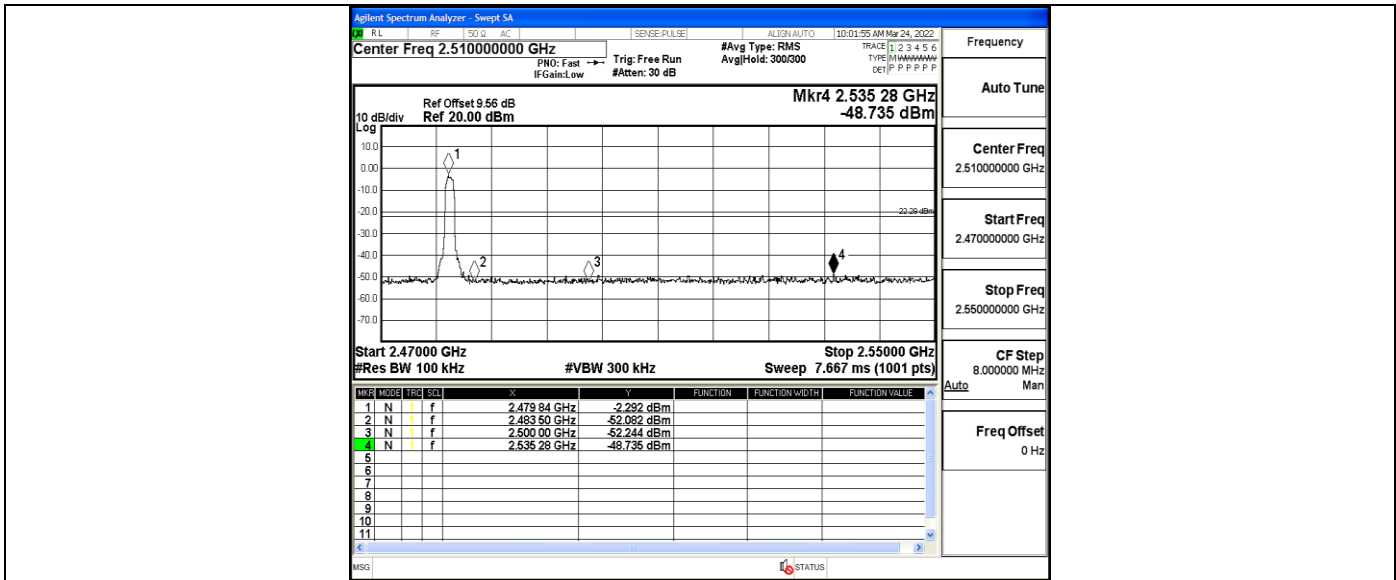
2DH5_Ant1_High_2480



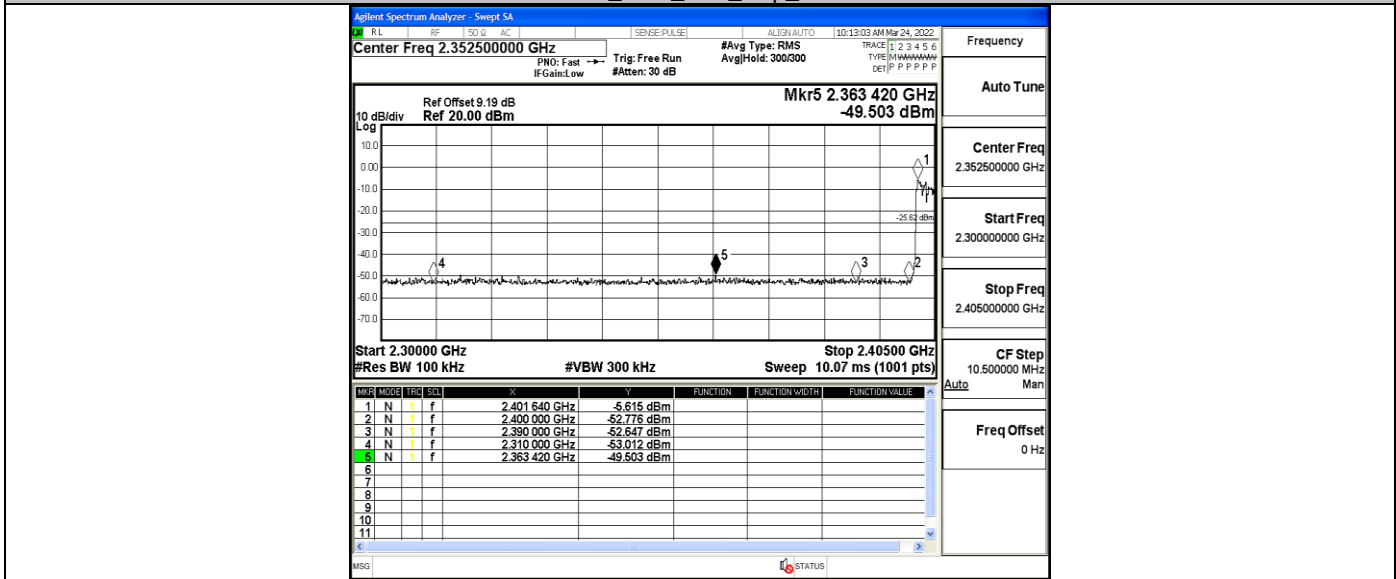
Frequency	Auto Tune
Center Freq	2.51000000 GHz
Start Freq	2.47000000 GHz
Stop Freq	2.55000000 GHz
CF Step	8.000000 MHz
Freq Offset	0 Hz

2DH5_Ant1_Low_Hop_2402

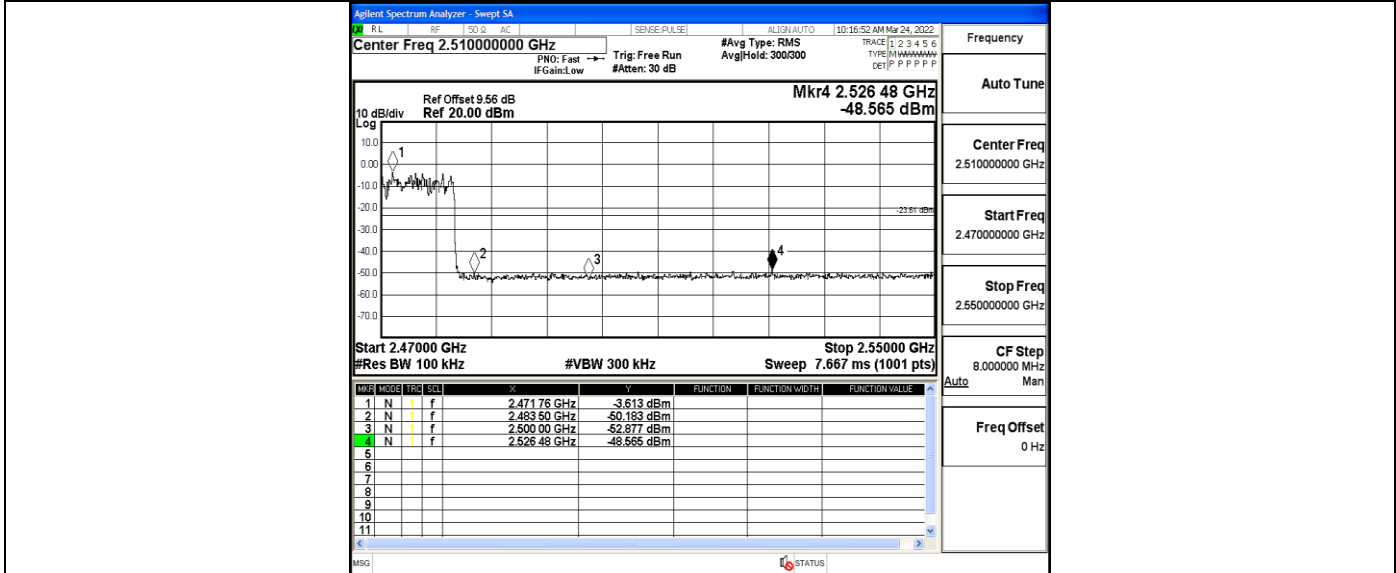




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

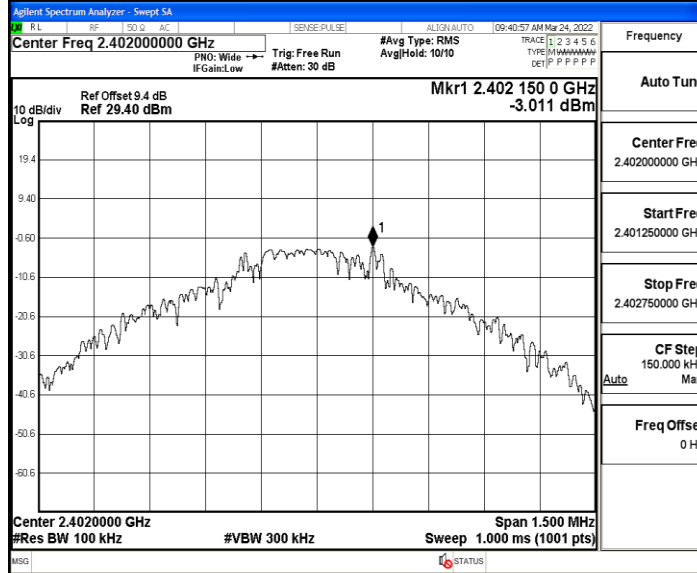


Appendix H: Conducted Spurious Emission Test Result

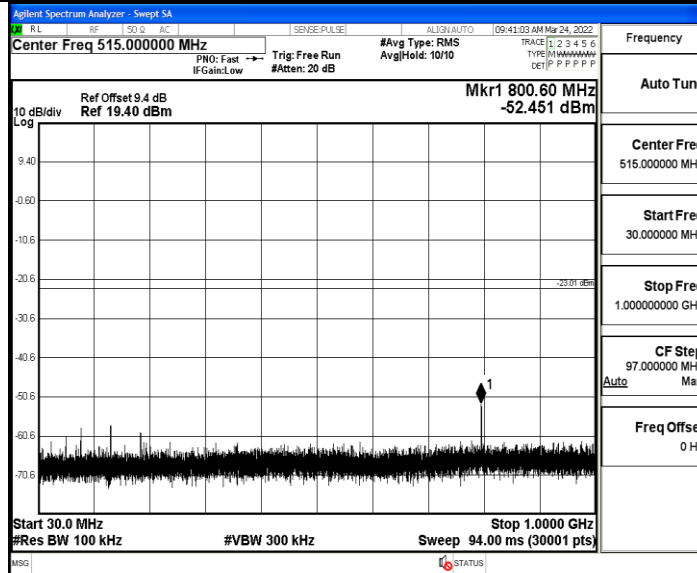
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-52.45	≤-23.01	PASS
			1000~26500	-3.01	-45.45	≤-23.01	PASS
		2441	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-52	≤-23.46	PASS
			1000~26500	-3.46	-43.38	≤-23.46	PASS
		2480	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-51.01	≤-22.97	PASS
			1000~26500	-2.97	-42.63	≤-22.97	PASS
2DH5	Ant1	2402	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-54.61	≤-25.17	PASS
			1000~26500	-5.17	-44.43	≤-25.17	PASS
		2441	Reference	-5.56	-5.56	---	PASS
			30~1000	-5.56	-52.39	≤-25.56	PASS
			1000~26500	-5.56	-45.71	≤-25.56	PASS
		2480	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-51	≤-23.22	PASS
			1000~26500	-3.22	-44.82	≤-23.22	PASS
3DH5	Ant1	2402	Reference	-5.34	-5.34	---	PASS
			30~1000	-5.34	-54.83	≤-25.34	PASS
			1000~26500	-5.34	-45.88	≤-25.34	PASS
		2441	Reference	-4.11	-4.11	---	PASS
			30~1000	-4.11	-52.28	≤-24.11	PASS
			1000~26500	-4.11	-43.64	≤-24.11	PASS
		2480	Reference	-2.53	-2.53	---	PASS
			30~1000	-2.53	-52.49	≤-22.53	PASS
			1000~26500	-2.53	-43.36	≤-22.53	PASS

Test Graphs

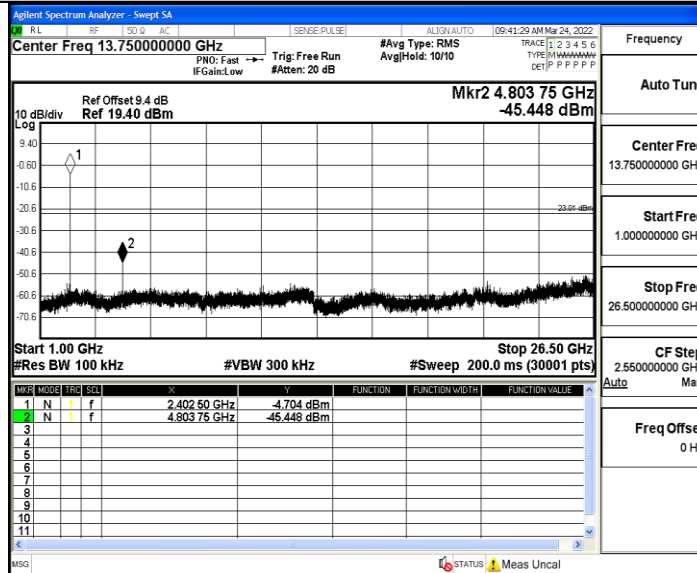
DH5_Ant1_2402_0~Reference



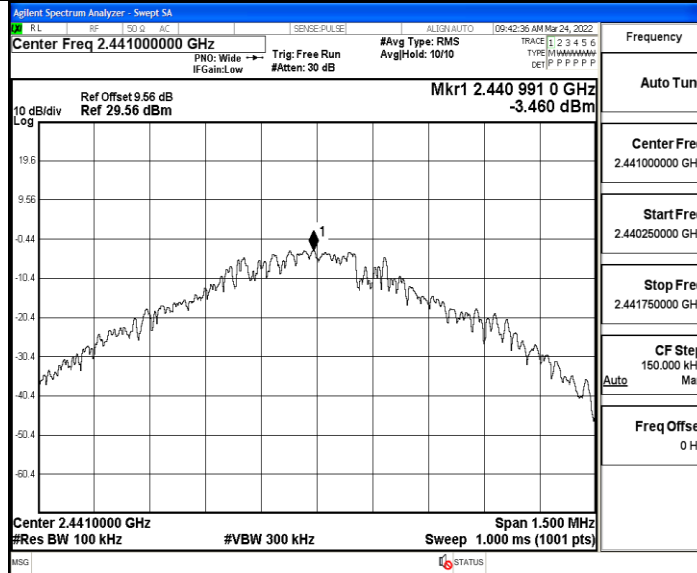
DH5_Ant1_2402_30~1000



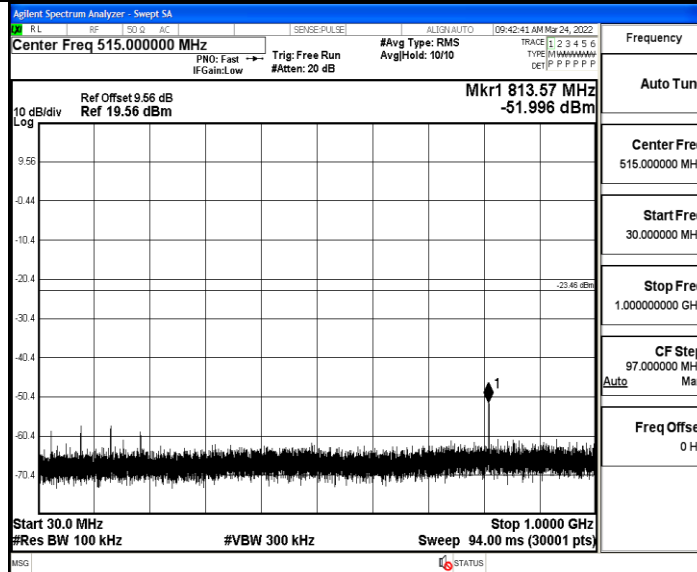
DH5_Ant1_2402_1000~26500



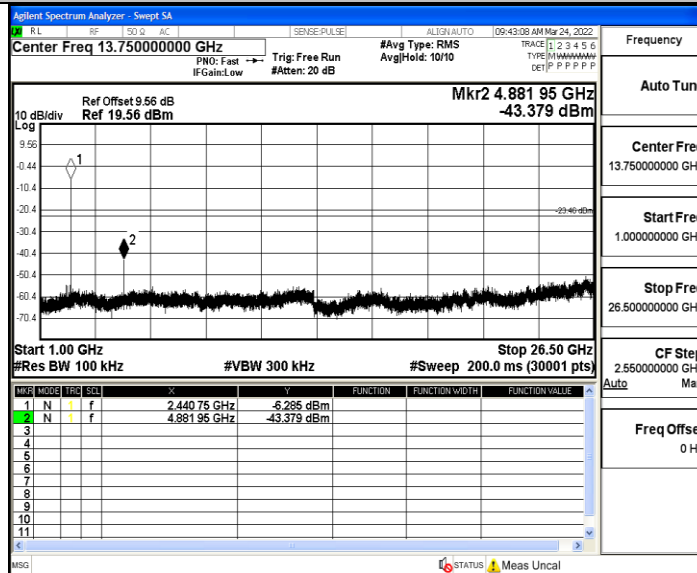
DH5_Ant1_2441_0~Reference



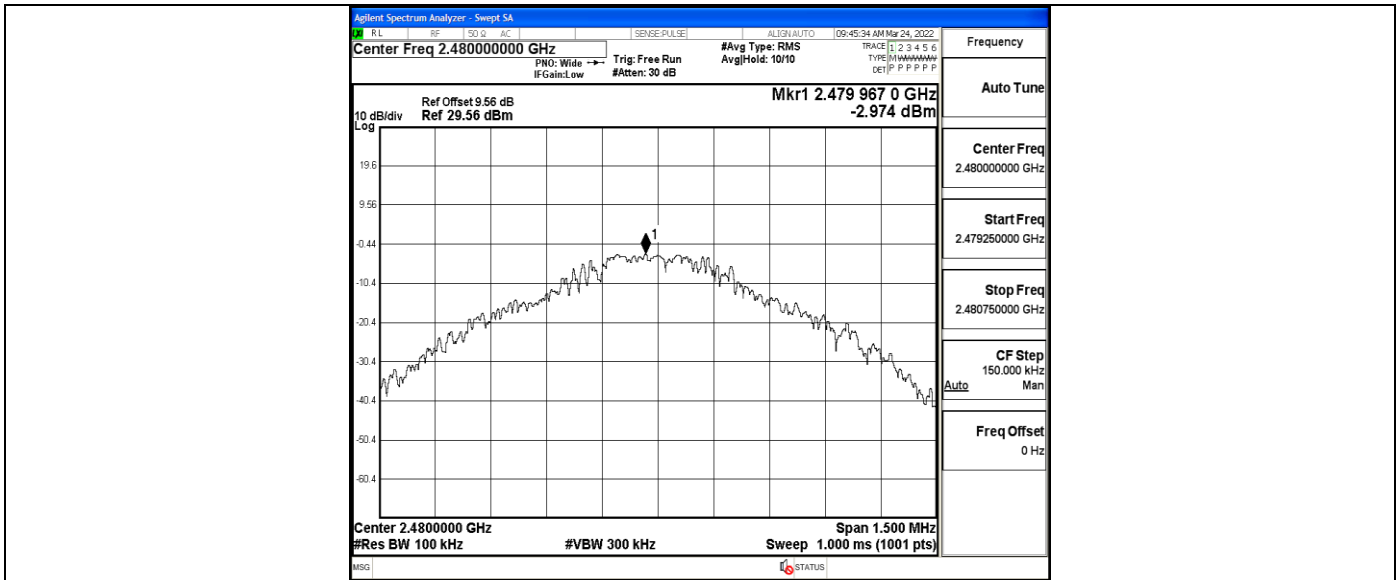
DH5_Ant1_2441_30~1000



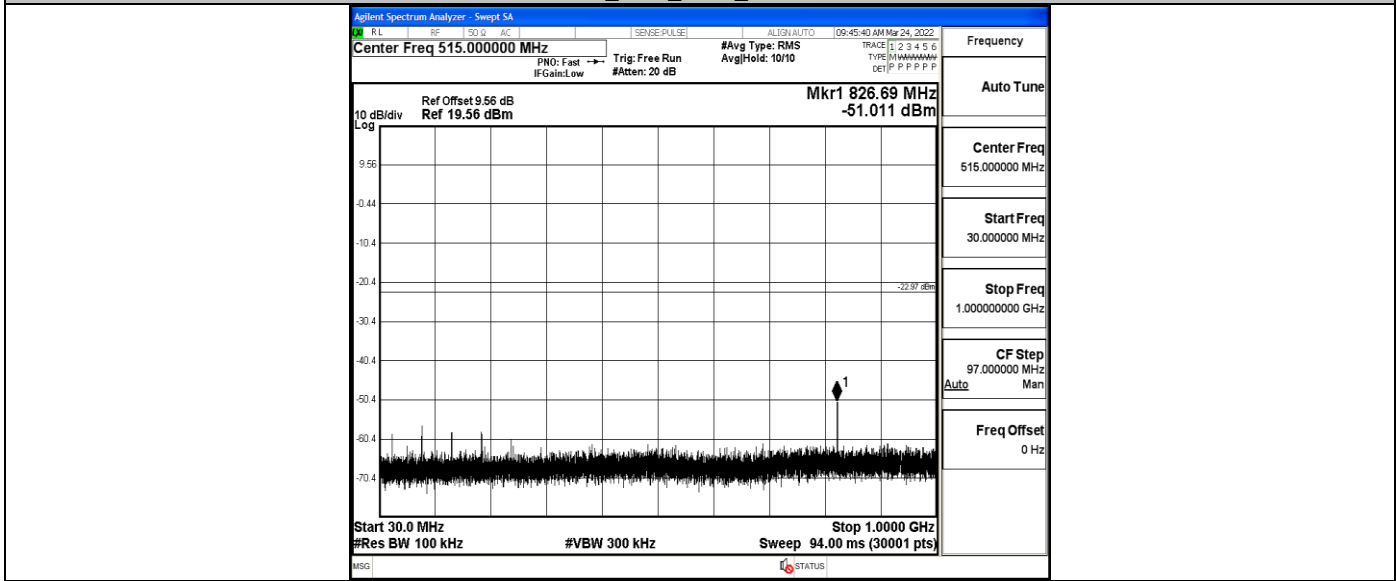
DH5_Ant1_2441_1000~26500



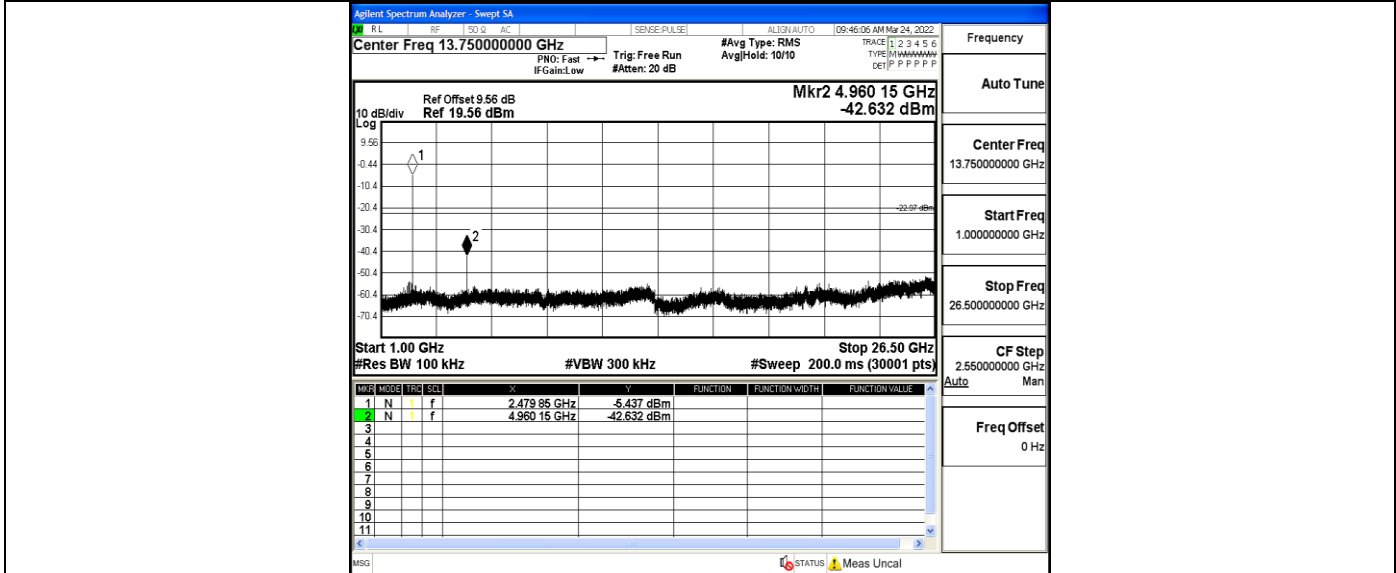
DH5_Ant1_2480_0~Reference



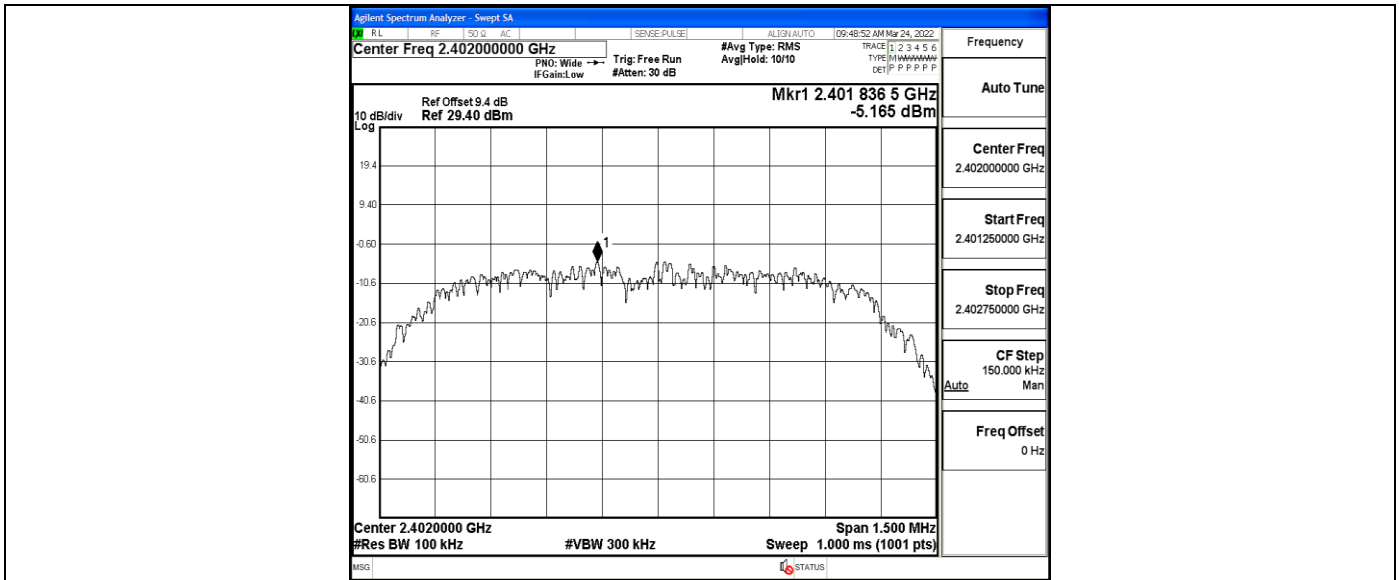
DH5_Ant1_2480_30~1000



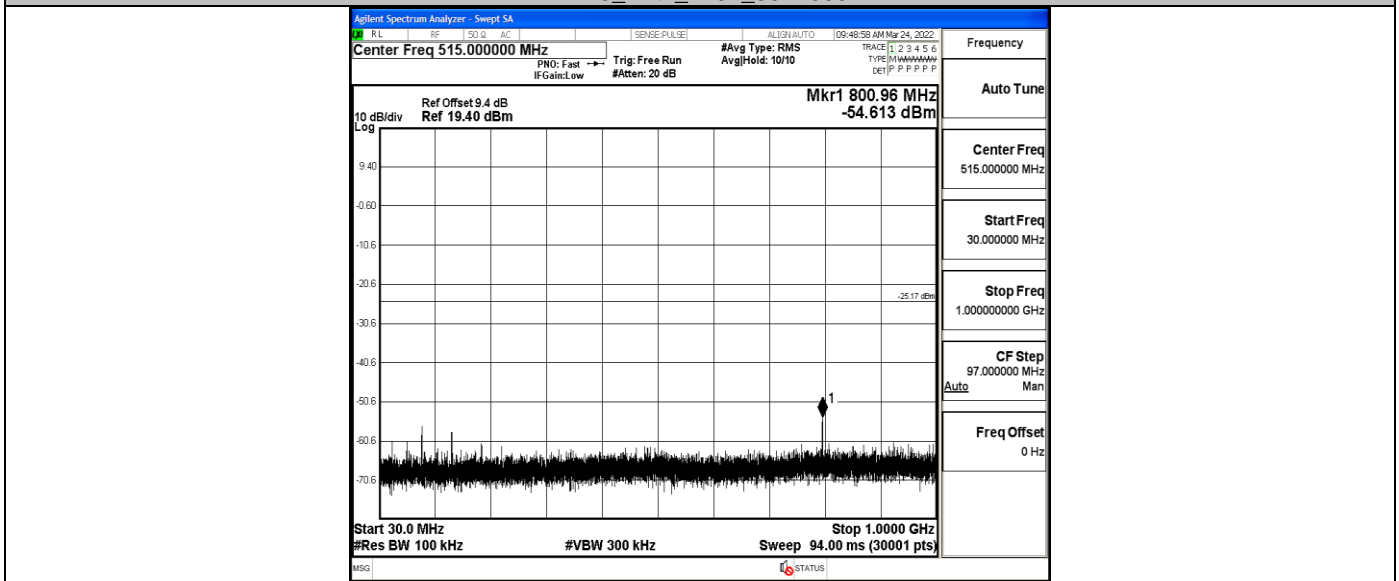
DH5_Ant1_2480_1000~26500



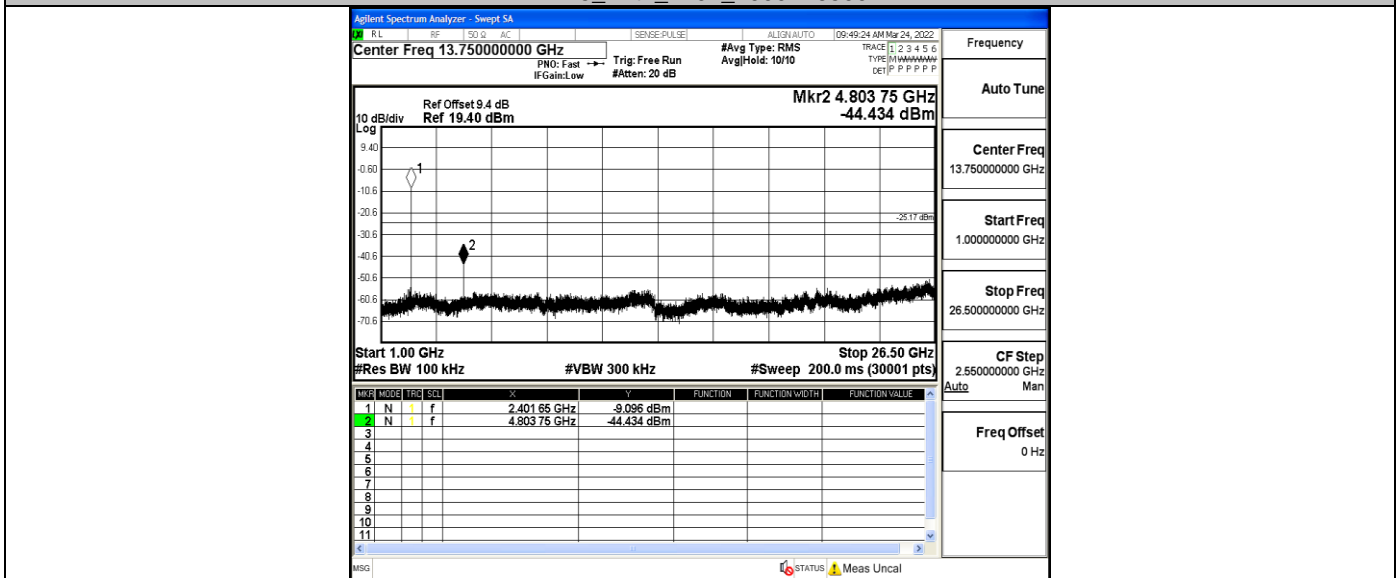
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference