

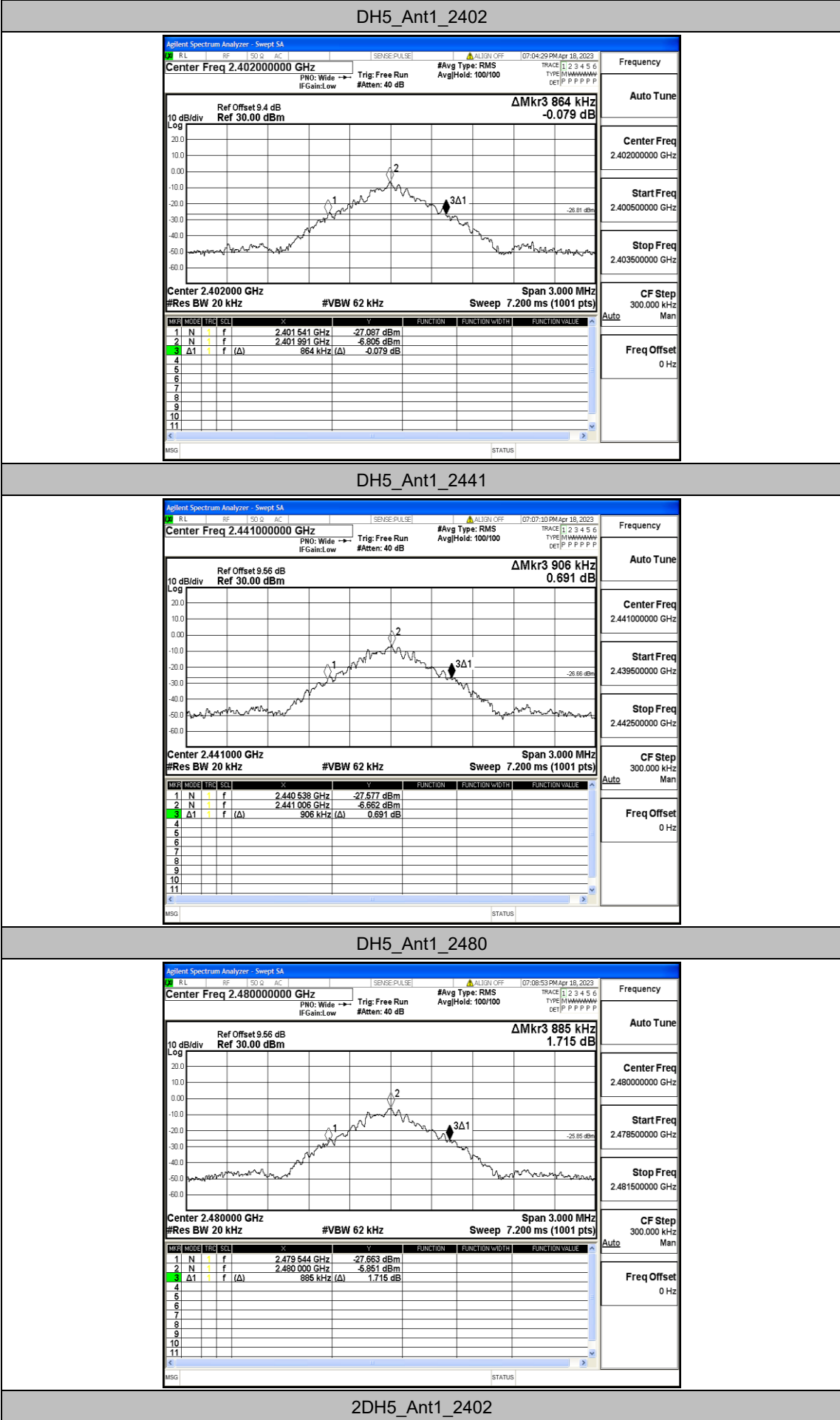
**Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)****Product Name: TRUE WIRELESS EARBUDS****Trade Mark: N/A****Test Model: RT62****FCC ID: 2ATOY-RT62****Environmental Conditions**

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

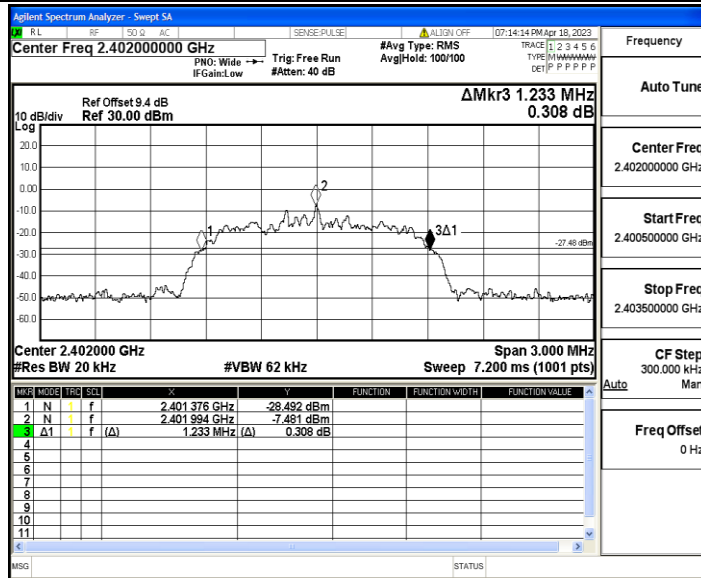
**Appendix A: 20dB Emission Bandwidth****Test Result**

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.864	2401.541	2402.405	---	---
		2441	0.906	2440.538	2441.444	---	---
		2480	0.885	2479.544	2480.429	---	---
2DH5	Ant1	2402	1.233	2401.376	2402.609	---	---
		2441	1.284	2440.367	2441.651	---	---
		2480	1.314	2479.340	2480.654	---	---
3DH5	Ant1	2402	1.287	2401.349	2402.636	---	---
		2441	1.260	2440.355	2441.615	---	---
		2480	1.245	2479.367	2480.612	---	---

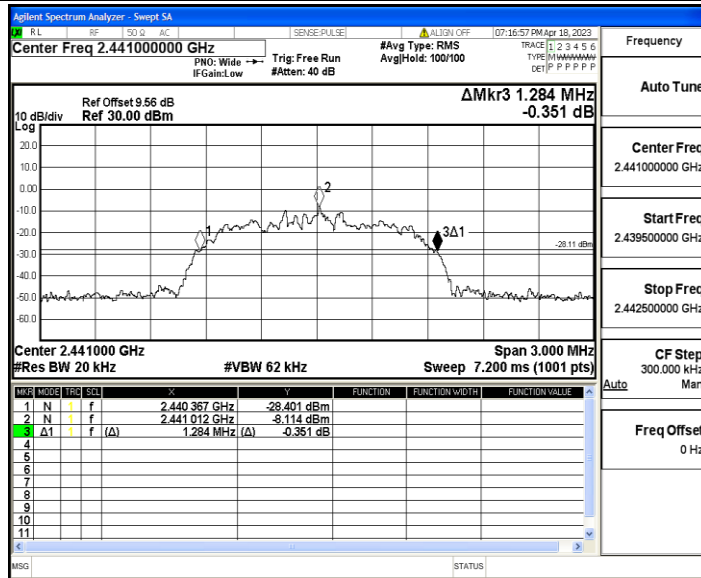
### Test Graphs



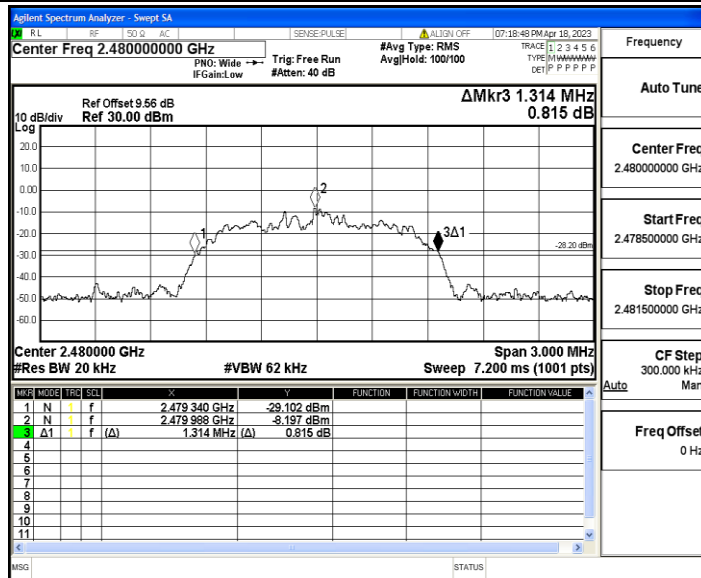
2DH5\_Ant1\_2402



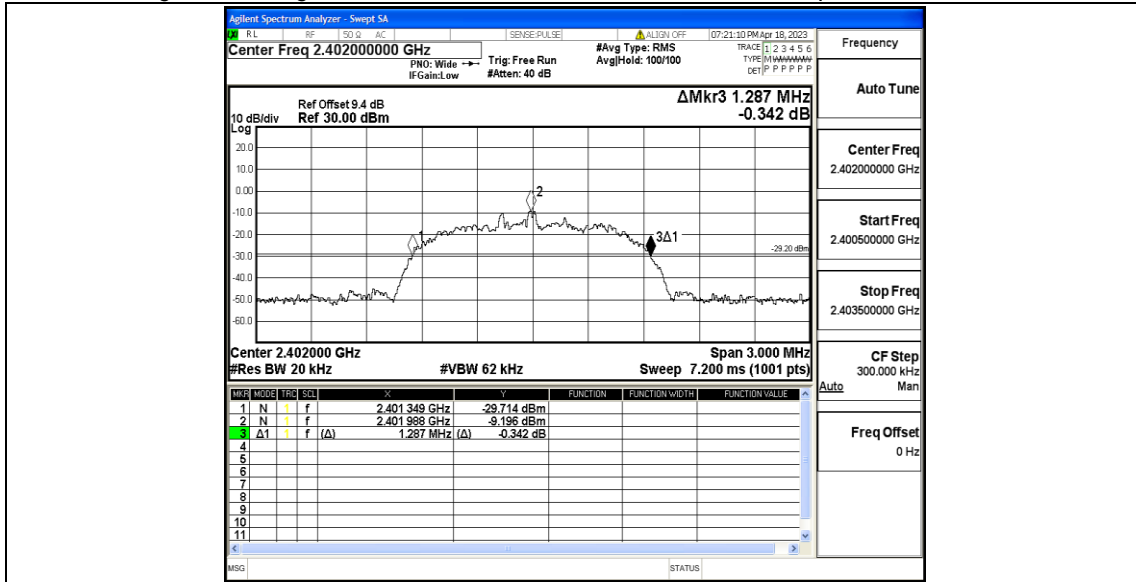
2DH5\_Ant1\_2441



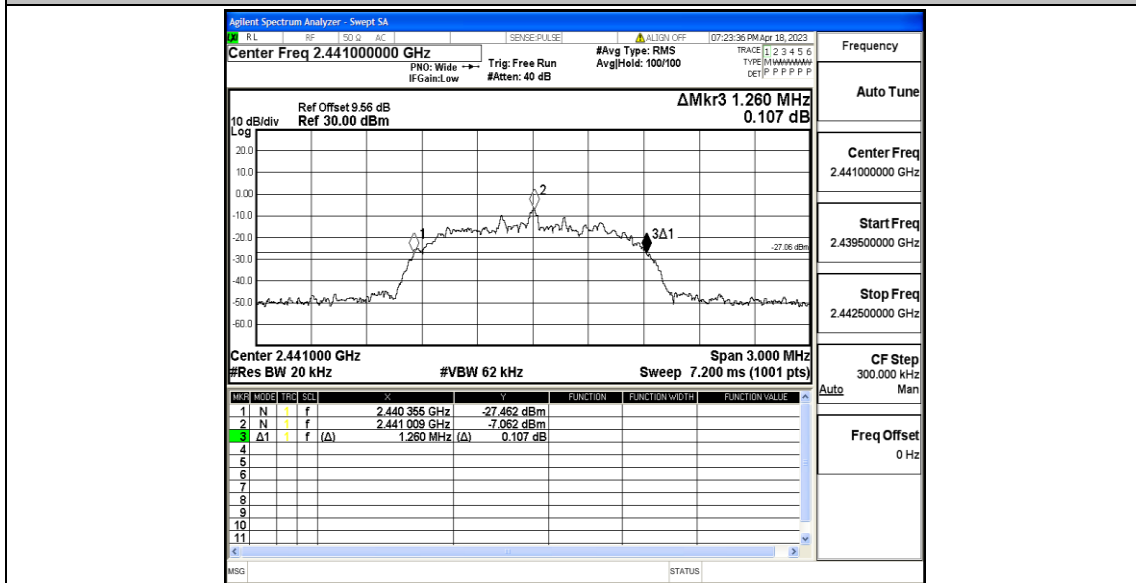
2DH5\_Ant1\_2480



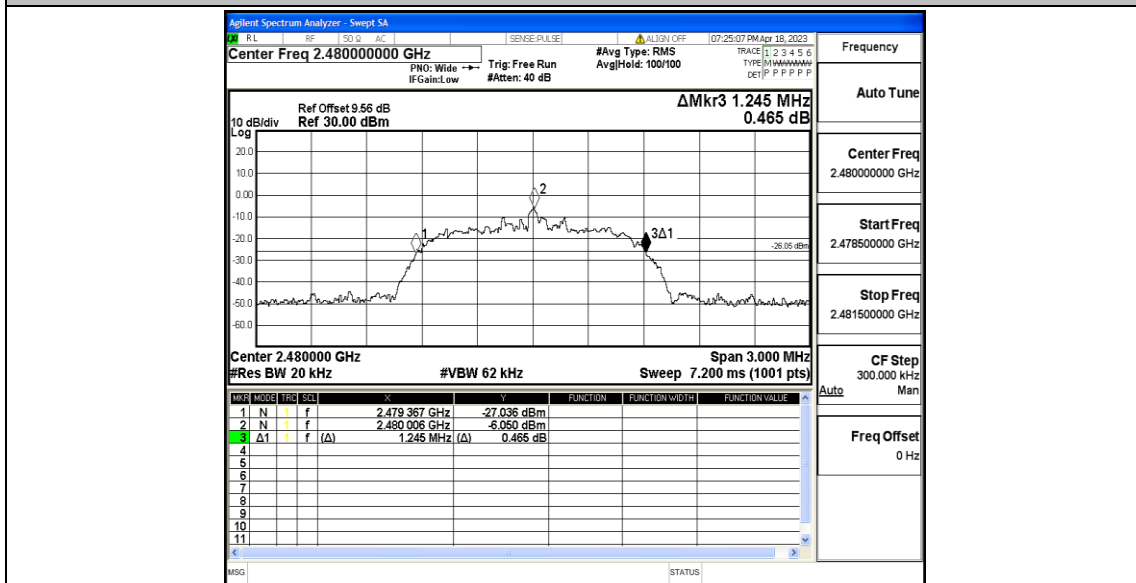
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

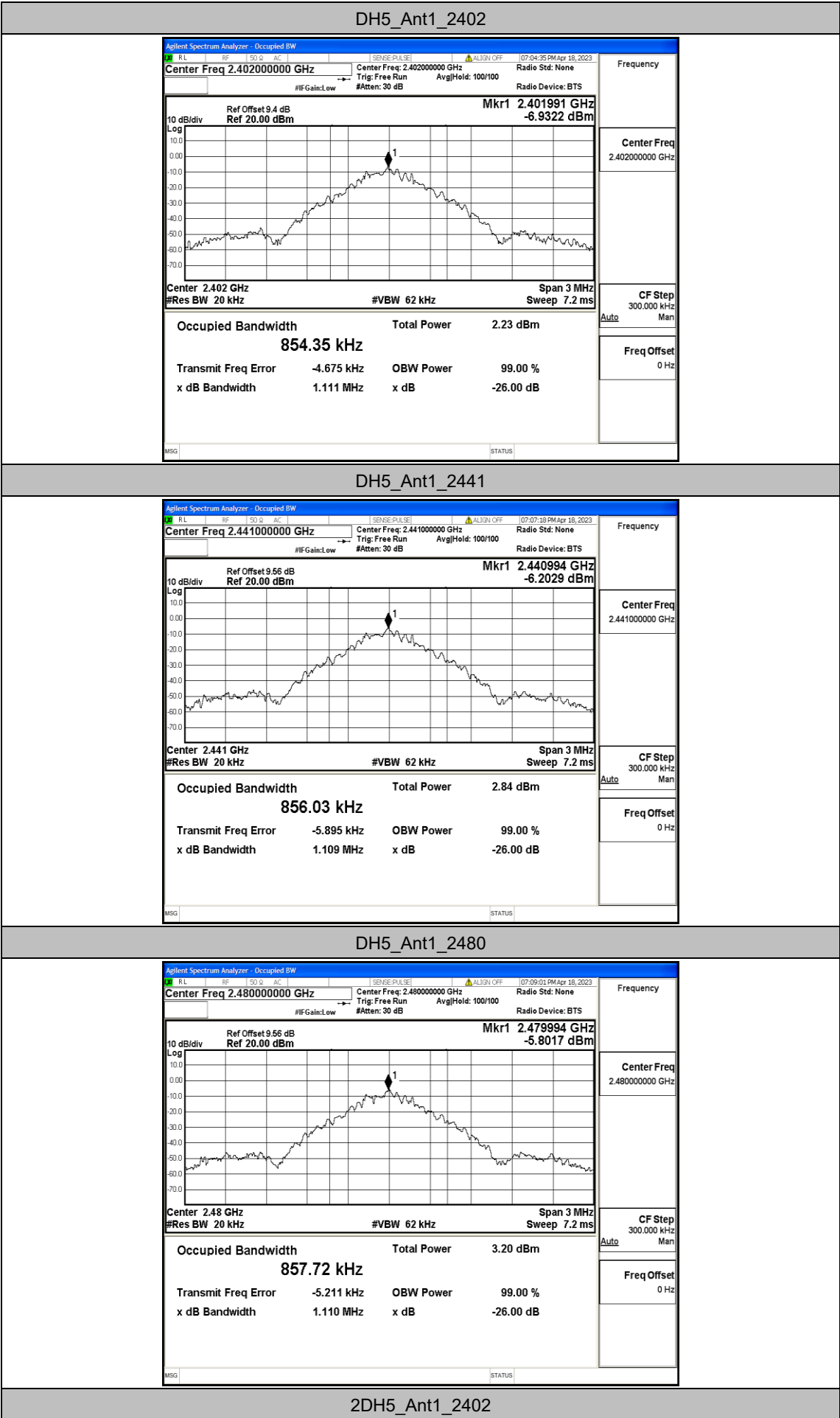


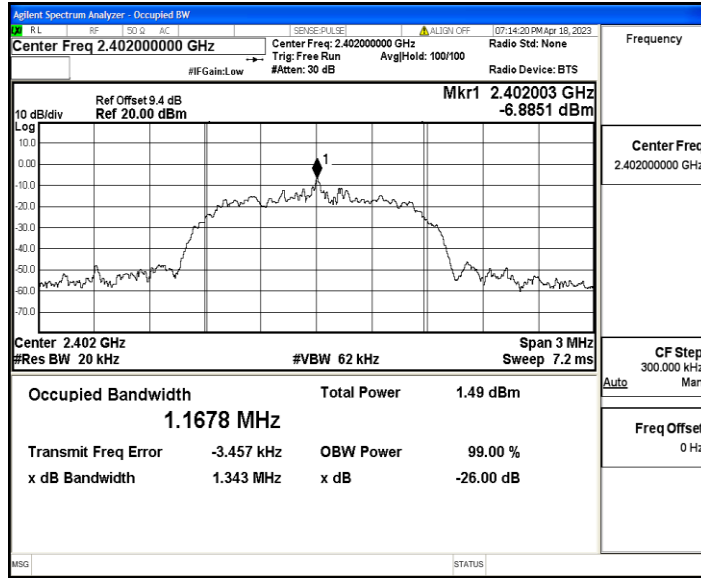
## Appendix B: Occupied Channel Bandwidth

### Test Result

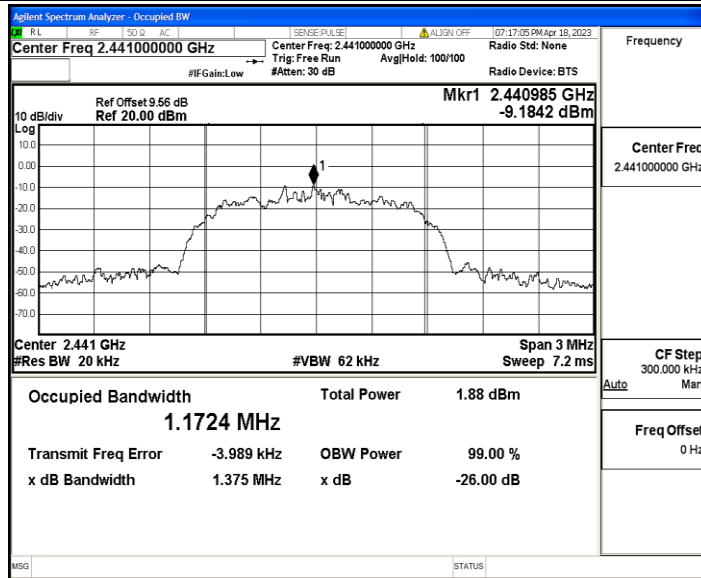
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85435	2401.5682	2402.4225	---	---
		2441	0.85603	2440.5661	2441.4221	---	---
		2480	0.85772	2479.5659	2480.4237	---	---
2DH5	Ant1	2402	1.1678	2401.4126	2402.5804	---	---
		2441	1.1724	2440.4098	2441.5822	---	---
		2480	1.1606	2479.4161	2480.5767	---	---
3DH5	Ant1	2402	1.1811	2401.4003	2402.5814	---	---
		2441	1.1808	2440.4038	2441.5846	---	---
		2480	1.1780	2479.4054	2480.5834	---	---

Test Graphs

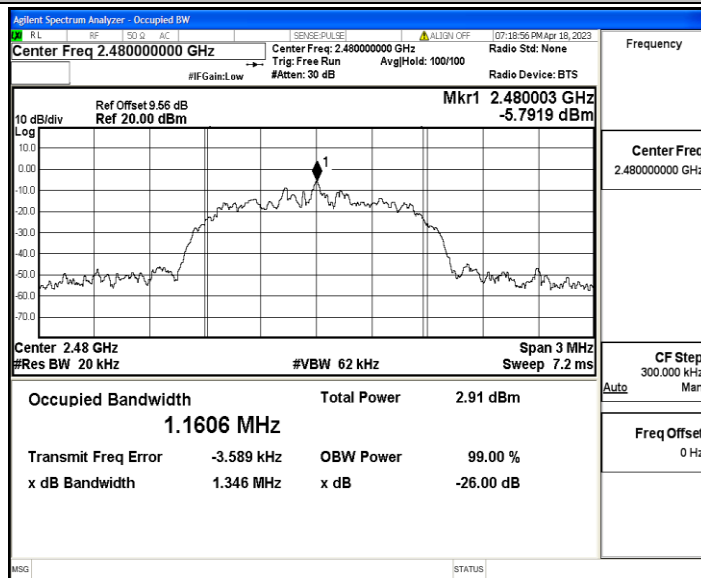




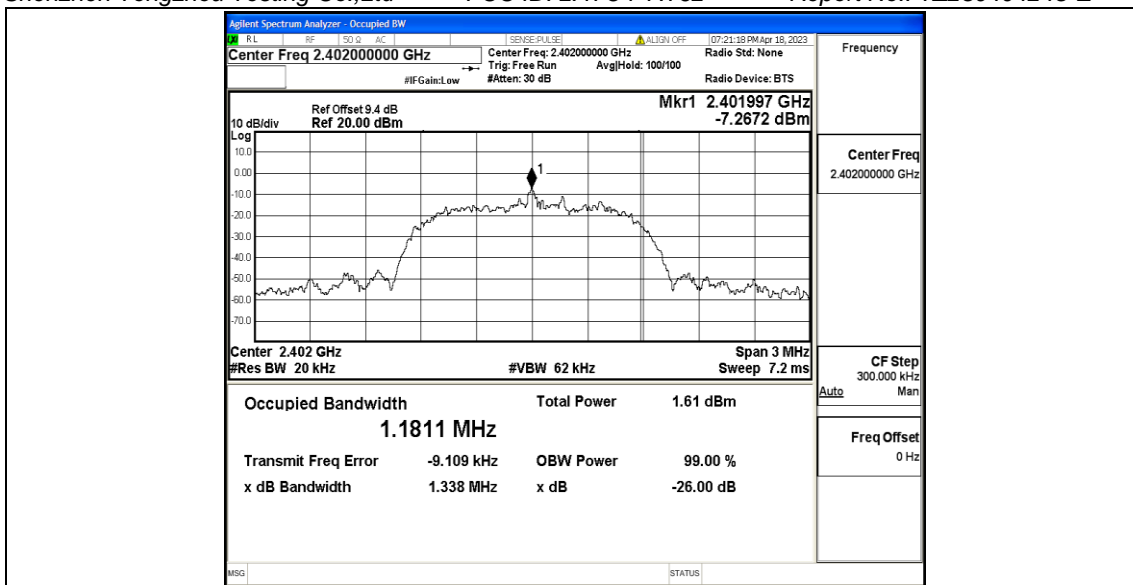
2DH5\_Ant1\_2441



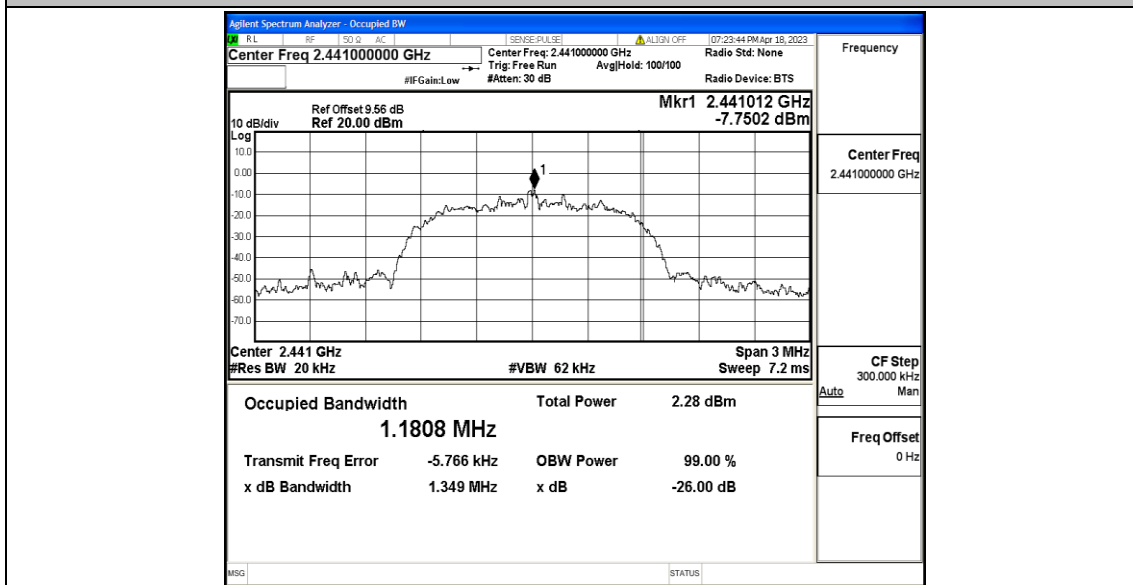
2DH5\_Ant1\_2480



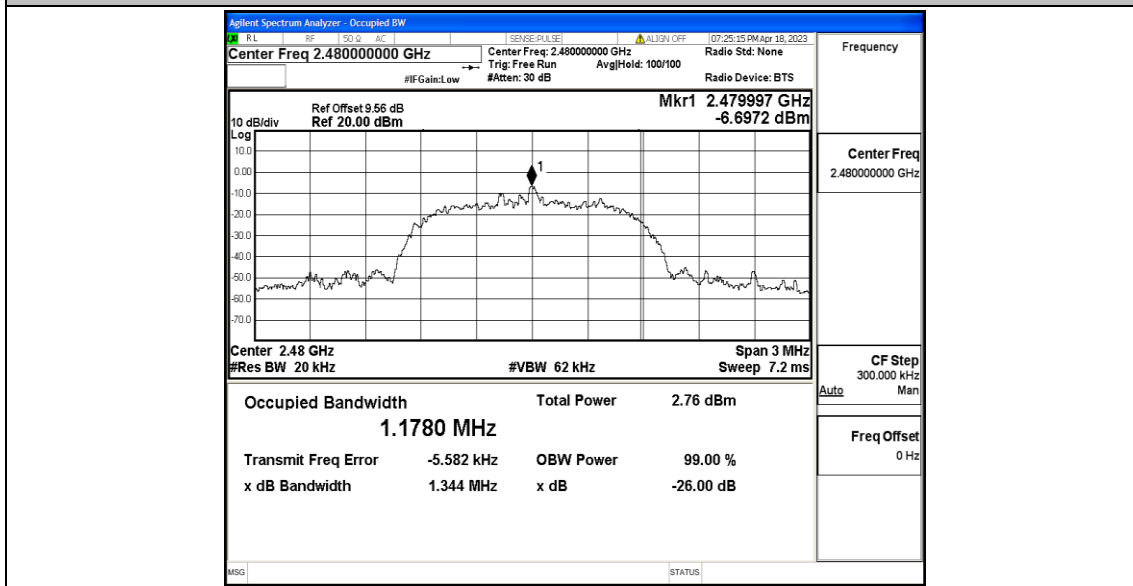
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



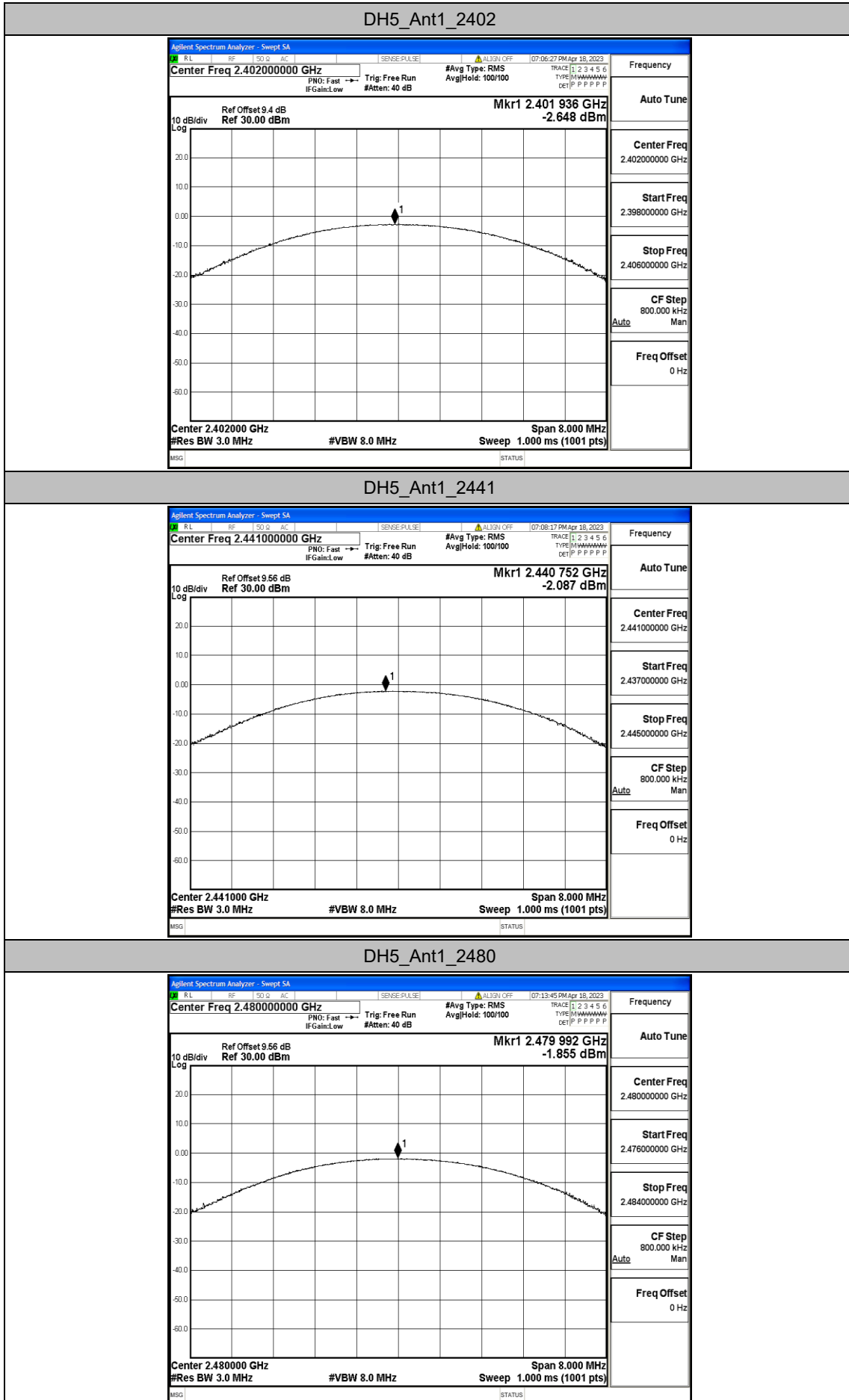


## Appendix C: Maximum Peak conducted output power

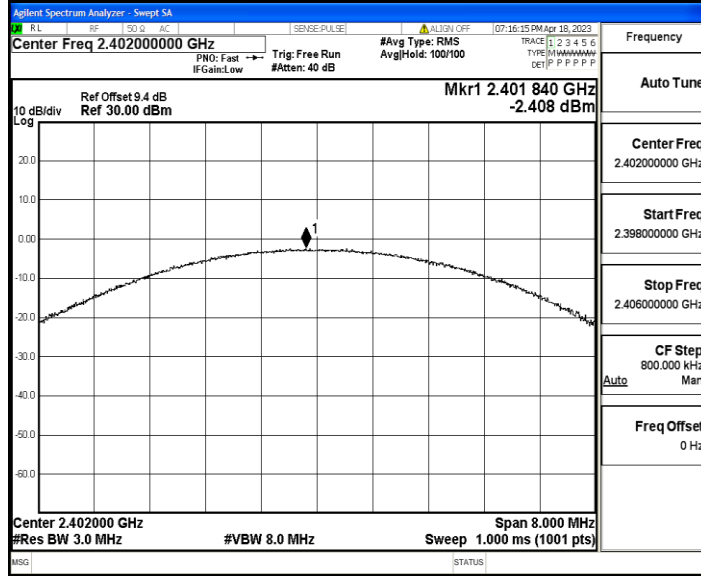
### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.65	≤30	PASS
		2441	-2.09	≤30	PASS
		2480	-1.86	≤30	PASS
2DH5	Ant1	2402	-2.41	≤20.97	PASS
		2441	-1.88	≤20.97	PASS
		2480	-1.45	≤20.97	PASS
3DH5	Ant1	2402	-2.24	≤20.97	PASS
		2441	-1.54	≤20.97	PASS
		2480	-1.2	≤20.97	PASS

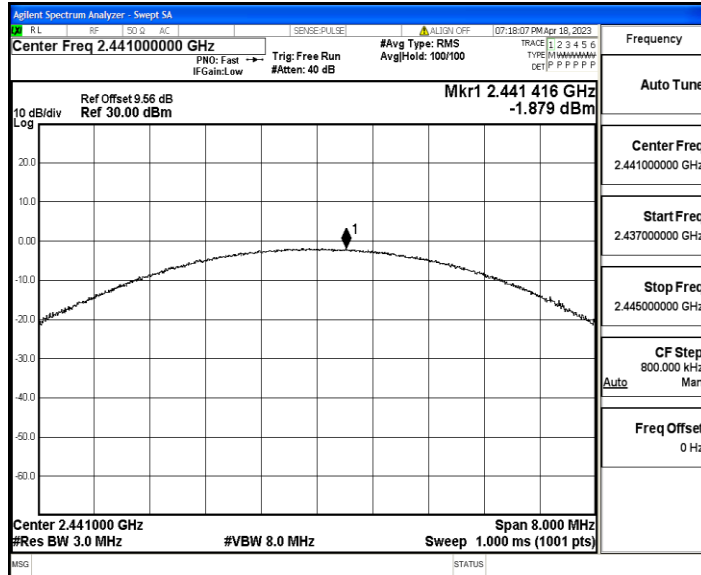
### Test Graphs



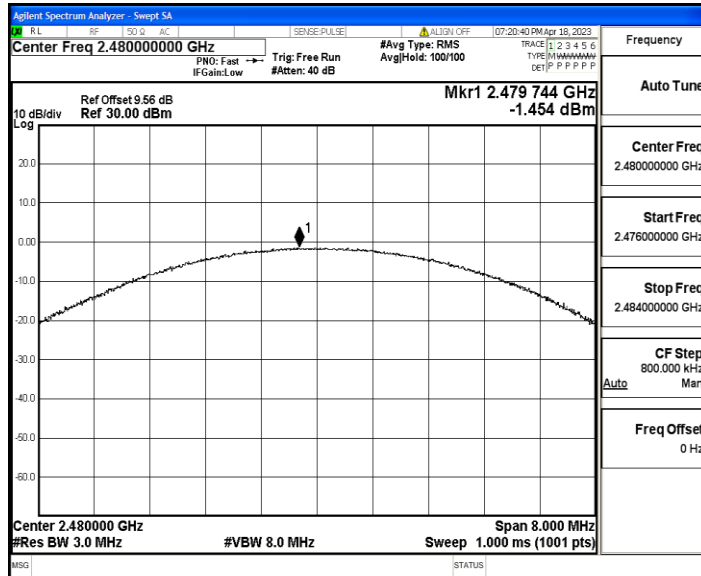
2DH5\_Ant1\_2402



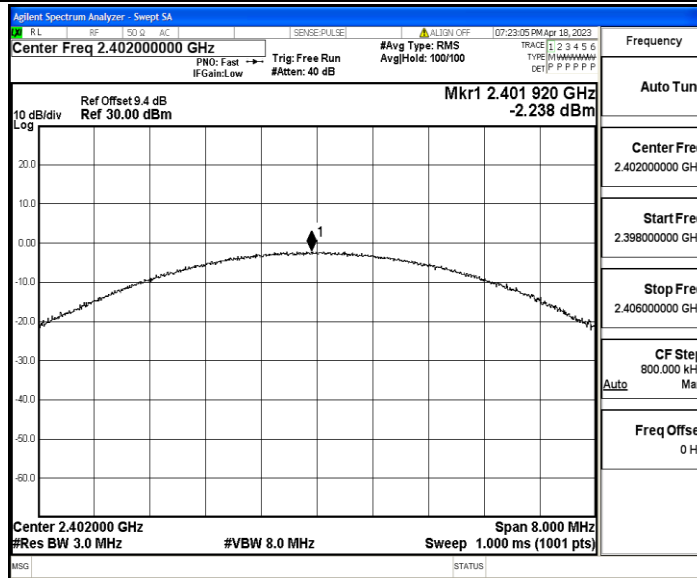
2DH5\_Ant1\_2441



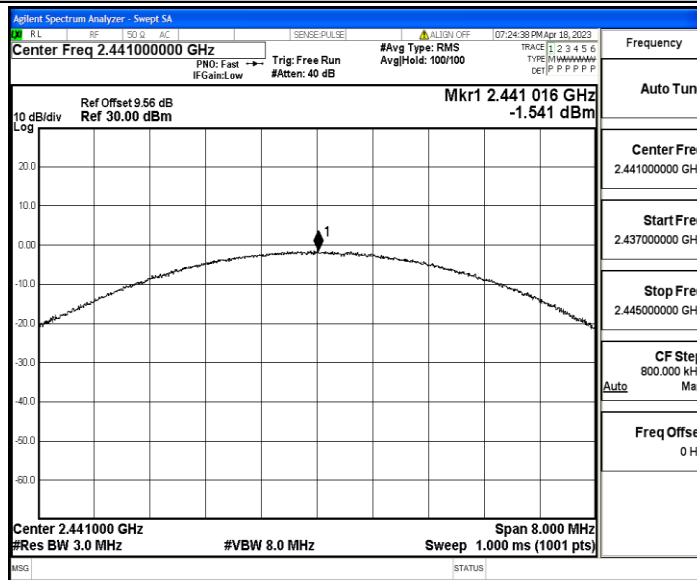
2DH5\_Ant1\_2480



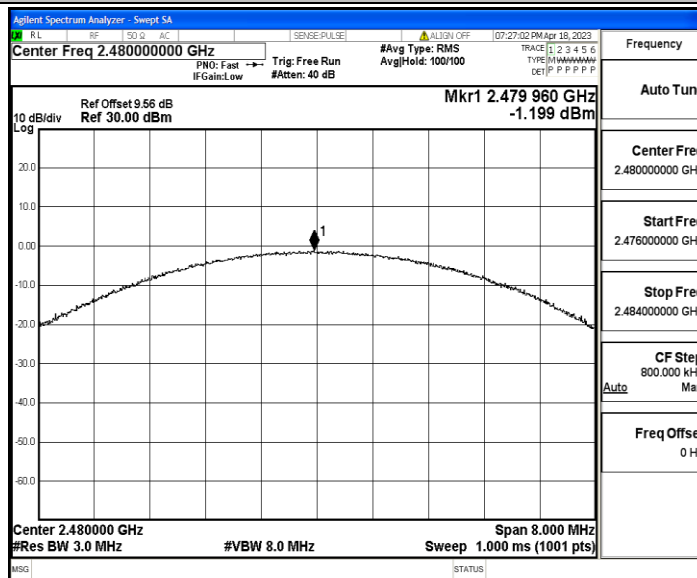
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

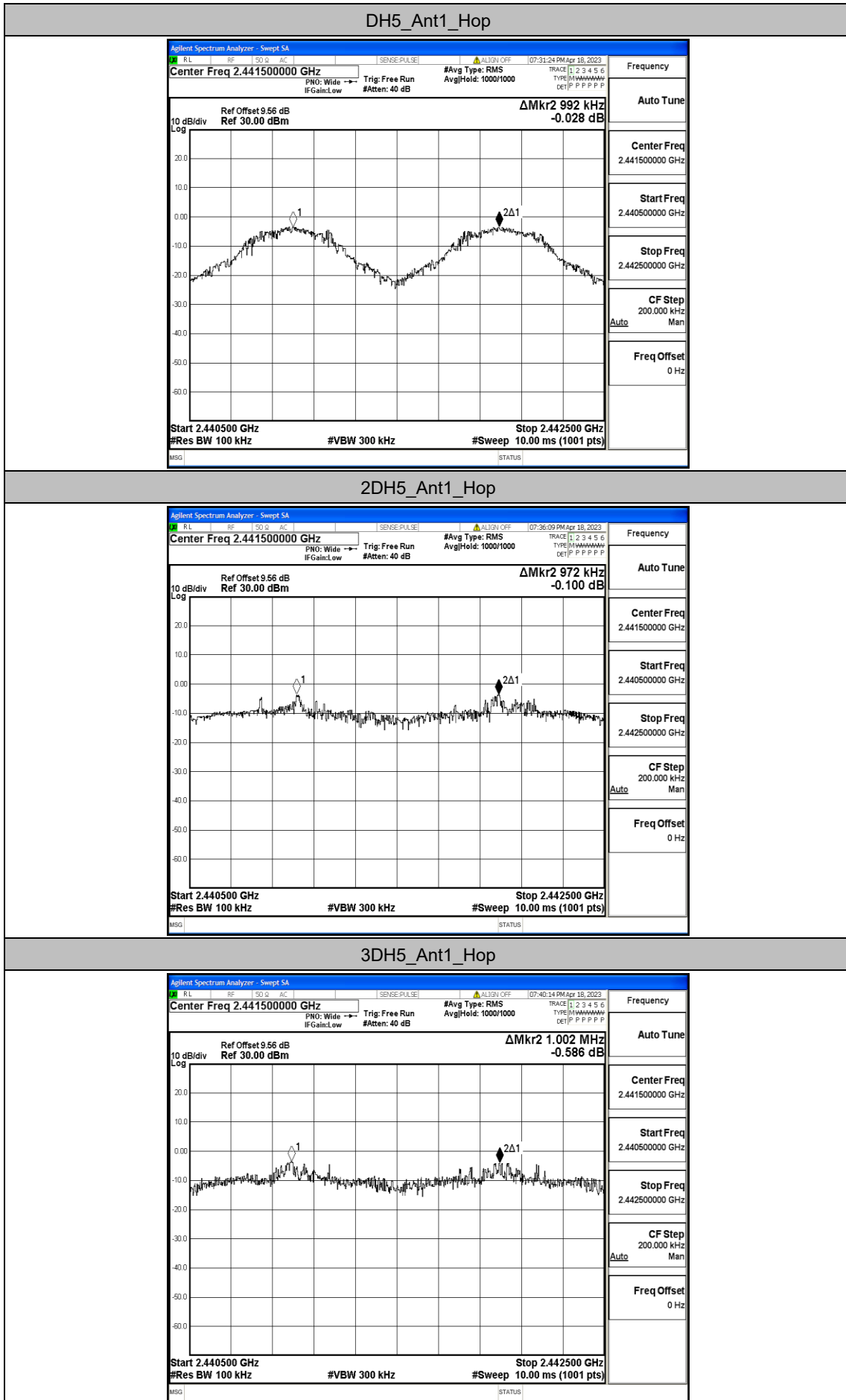


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	$\geq 0.906$	PASS
2DH5	Ant1	Hop	0.972	$\geq 0.876$	PASS
3DH5	Ant1	Hop	1.002	$\geq 0.858$	PASS

### Test Graphs

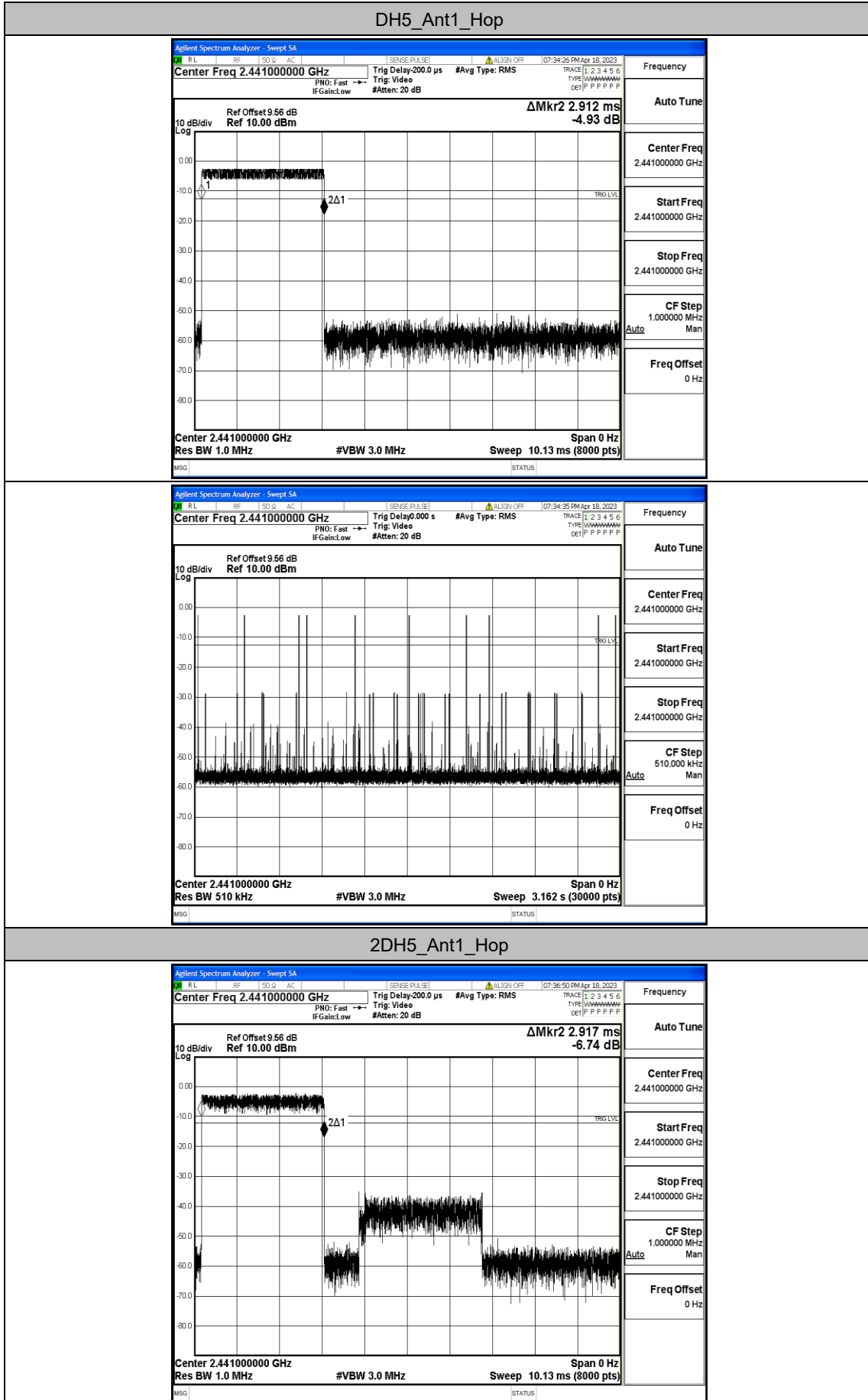


## Appendix E: Time of occupancy

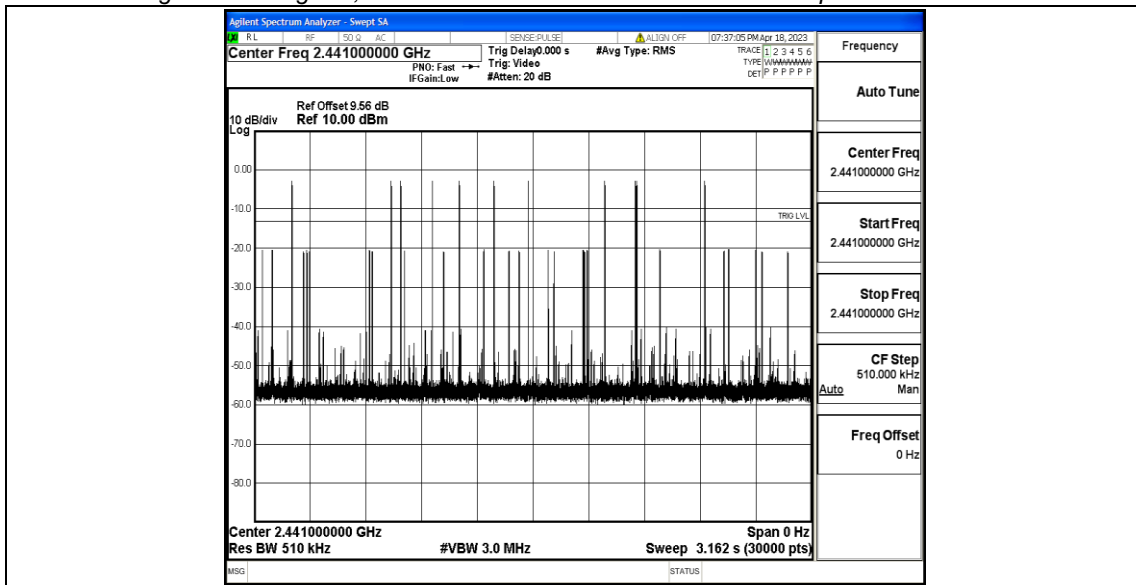
### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.917	120	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.917	90	0.263	≤0.4	PASS

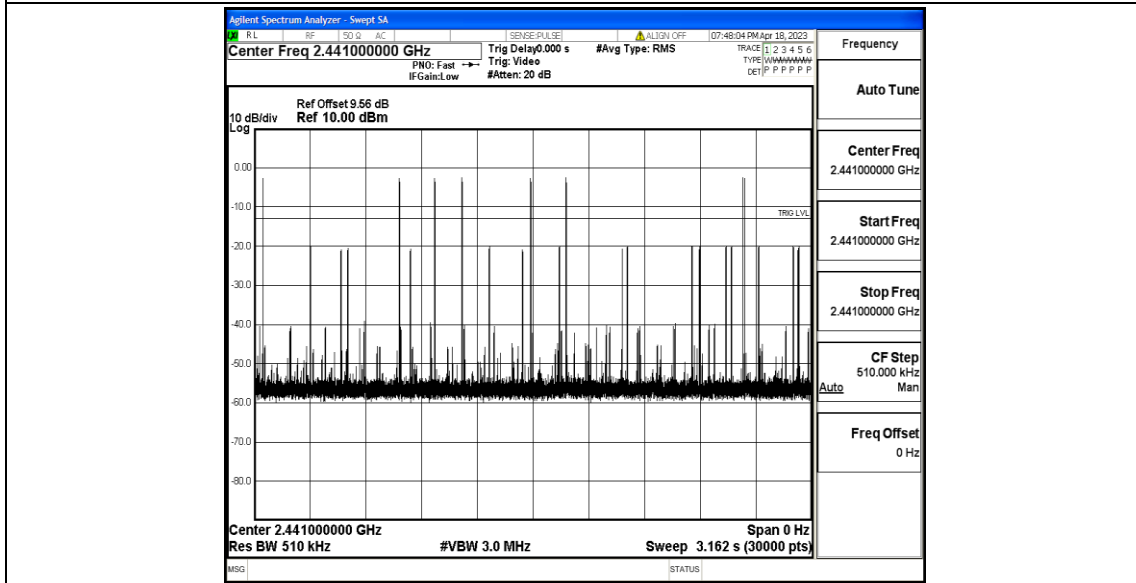
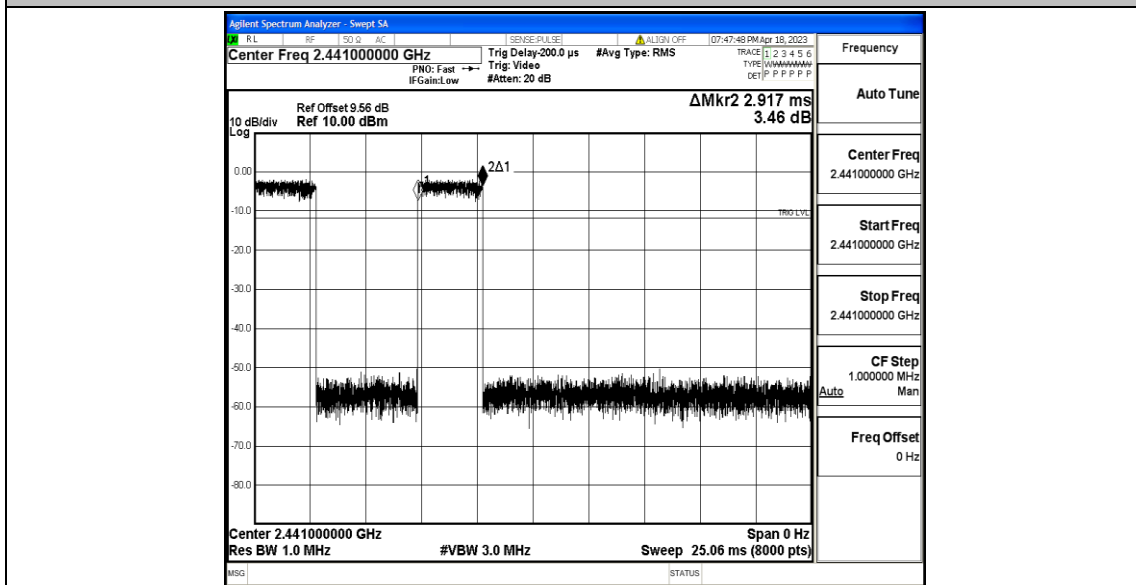
### Test Graphs







3DH5\_Ant1\_Hop

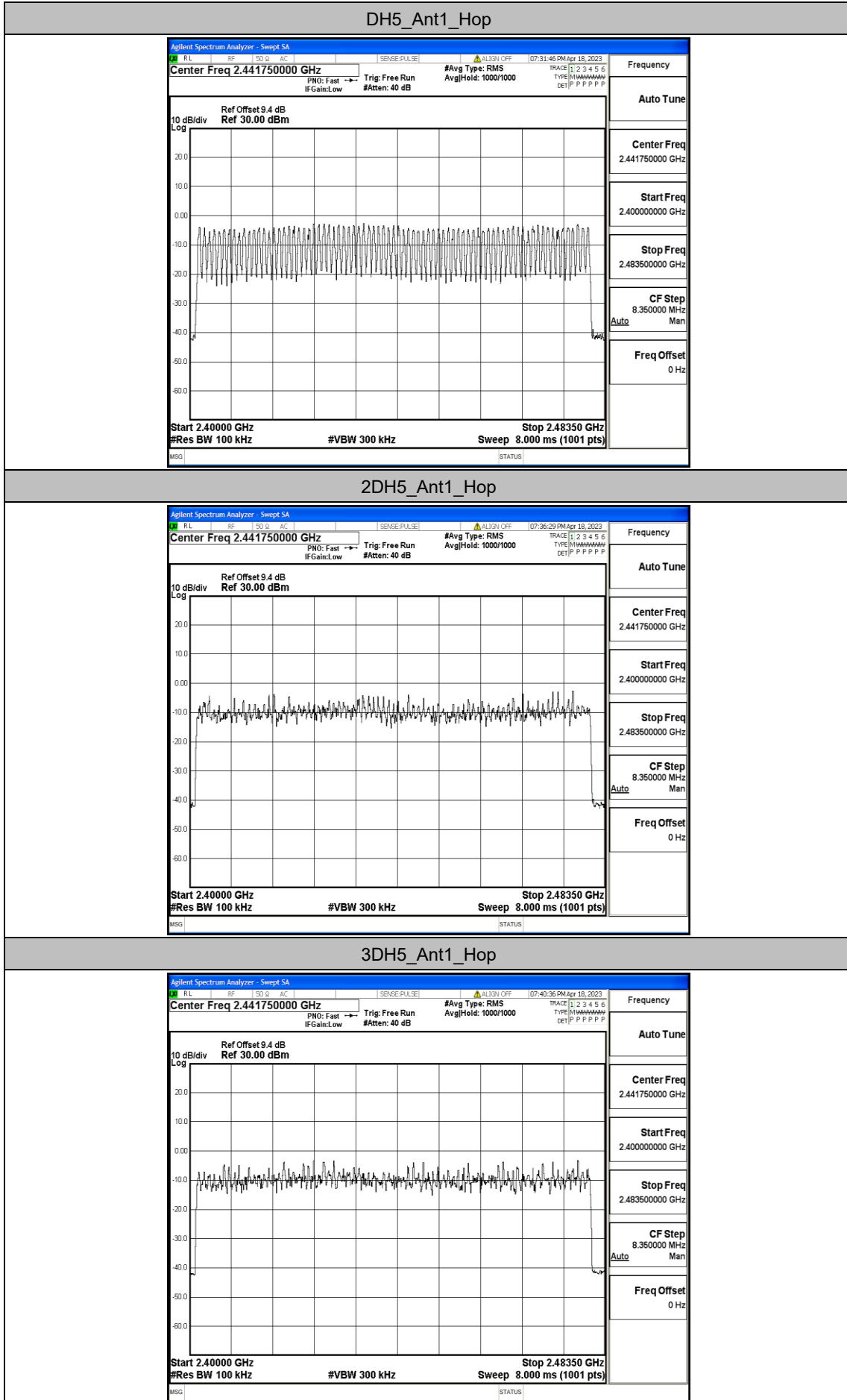


## Appendix F: Number of hopping channels

### 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



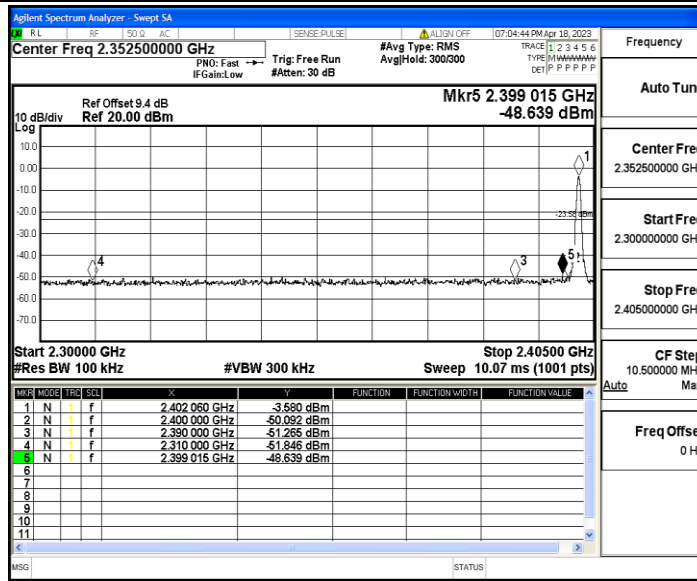
## Appendix G: Band edge measurements

### Test Result

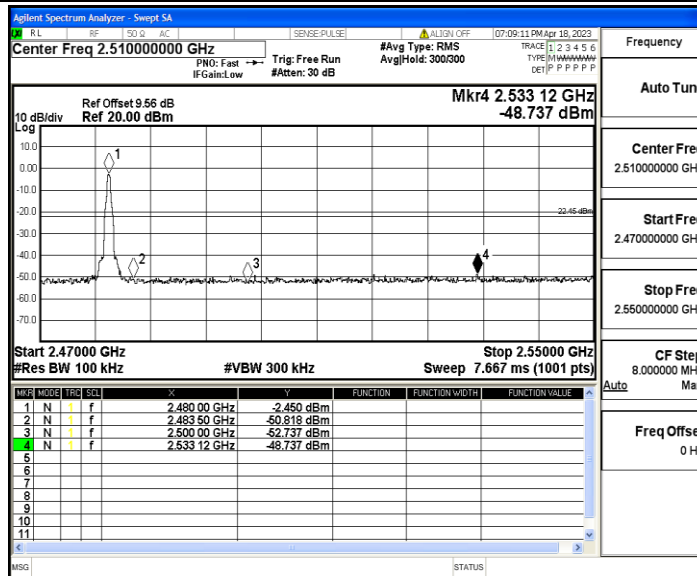
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.58	-48.64	≤-23.58	PASS
		High	2480	-2.45	-48.74	≤-22.45	PASS
		Low	Hop_2402	-5.61	-49.91	≤-25.61	PASS
		High	Hop_2480	-3.69	-49.34	≤-23.69	PASS
2DH5	Ant1	Low	2402	-4.86	-50.01	≤-24.86	PASS
		High	2480	-2.77	-48.52	≤-22.77	PASS
		Low	Hop_2402	-8.76	-50.17	≤-28.76	PASS
		High	Hop_2480	-5.20	-48.45	≤-25.2	PASS
3DH5	Ant1	Low	2402	-3.53	-49.65	≤-23.53	PASS
		High	2480	-3.32	-49.65	≤-23.32	PASS
		Low	Hop_2402	-9.05	-49.96	≤-29.05	PASS
		High	Hop_2480	-3.34	-48.9	≤-23.34	PASS

Test Graphs

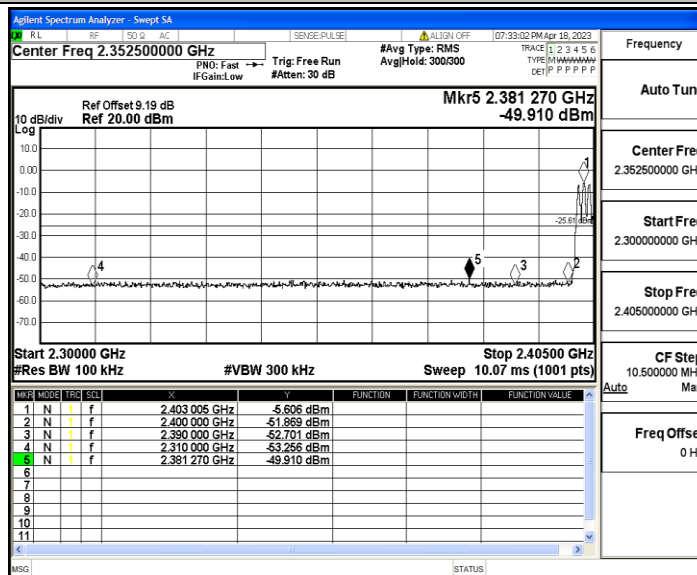
DH5\_Ant1\_Low\_2402



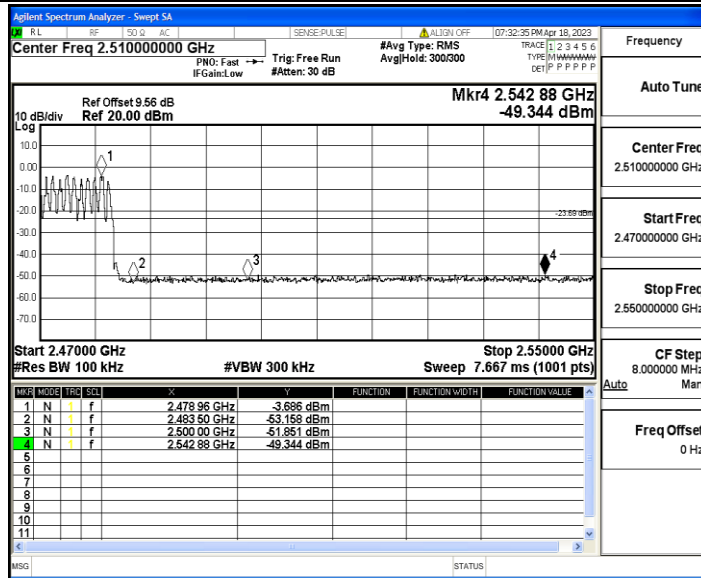
DH5\_Ant1\_High\_2480



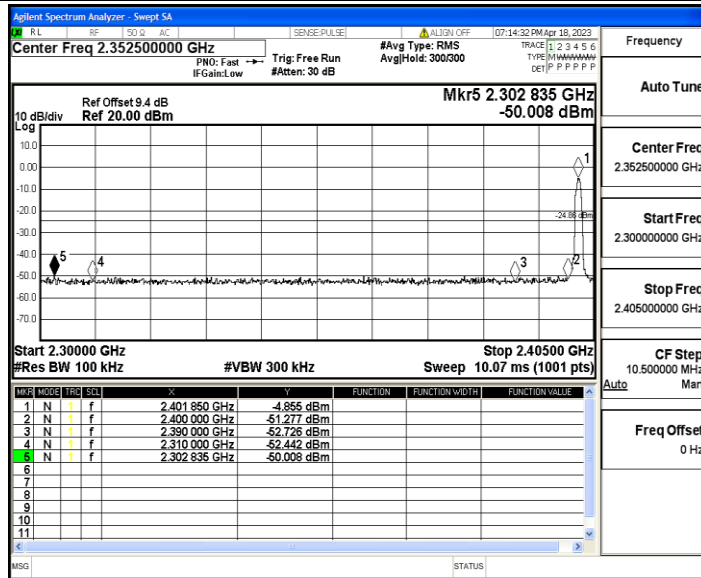
DH5\_Ant1\_Low\_Hop\_2402



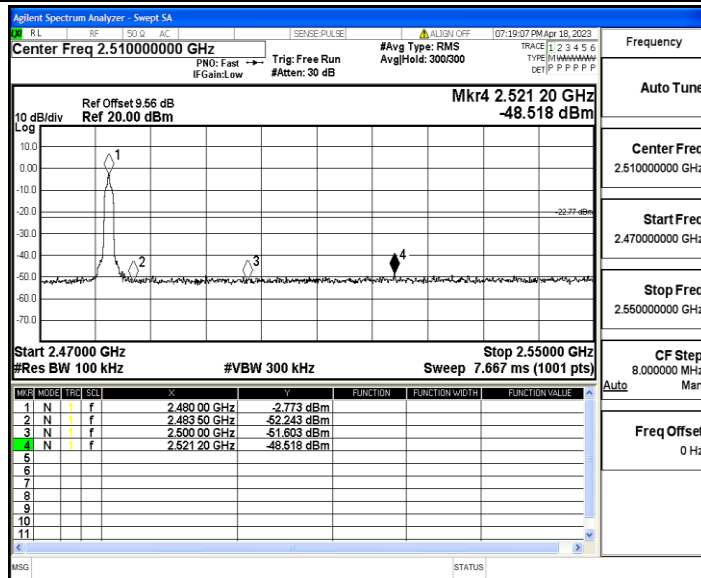
DH5\_Ant1\_High\_Hop\_2480



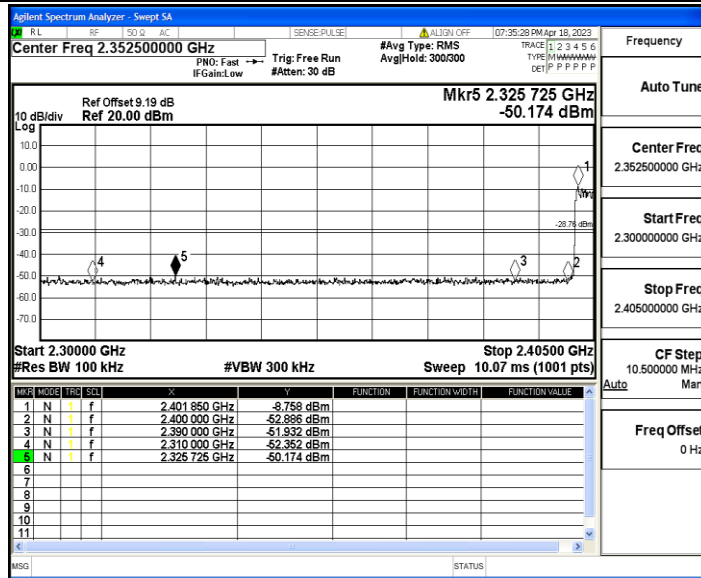
2Dh5\_Ant1\_Low\_2402



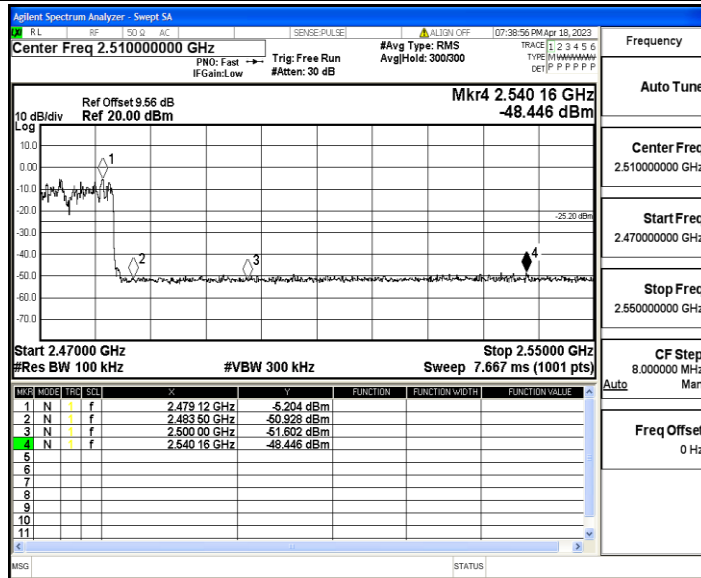
2Dh5\_Ant1\_High\_2480



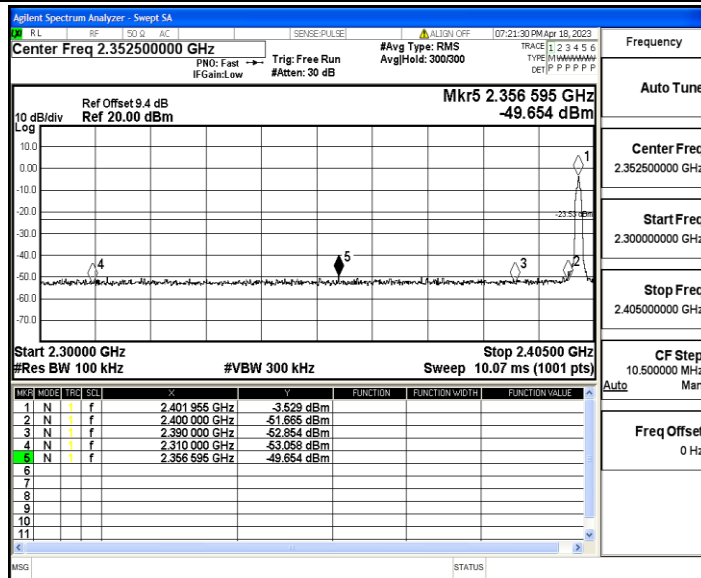
2Dh5\_Ant1\_Low\_Hop\_2402



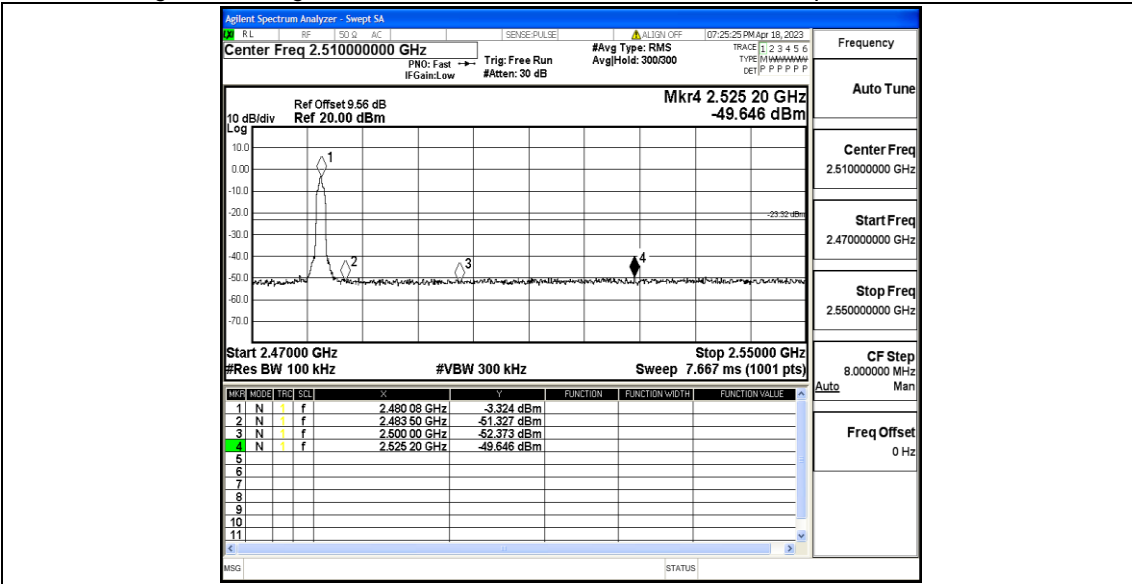
2DH5\_Ant1\_High\_Hop\_2480



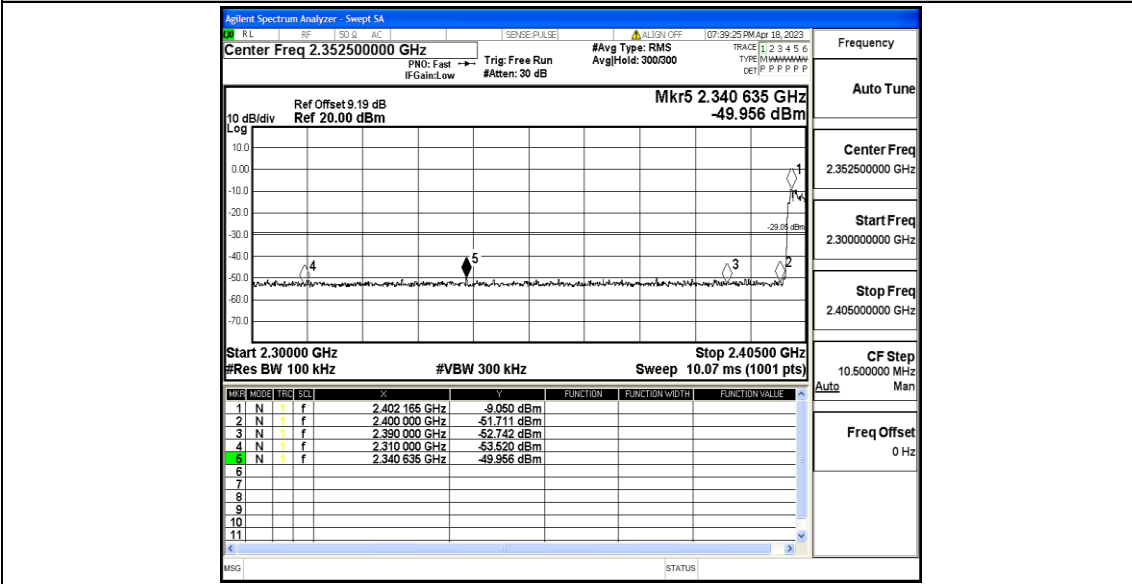
3DH5\_Ant1\_Low\_2402



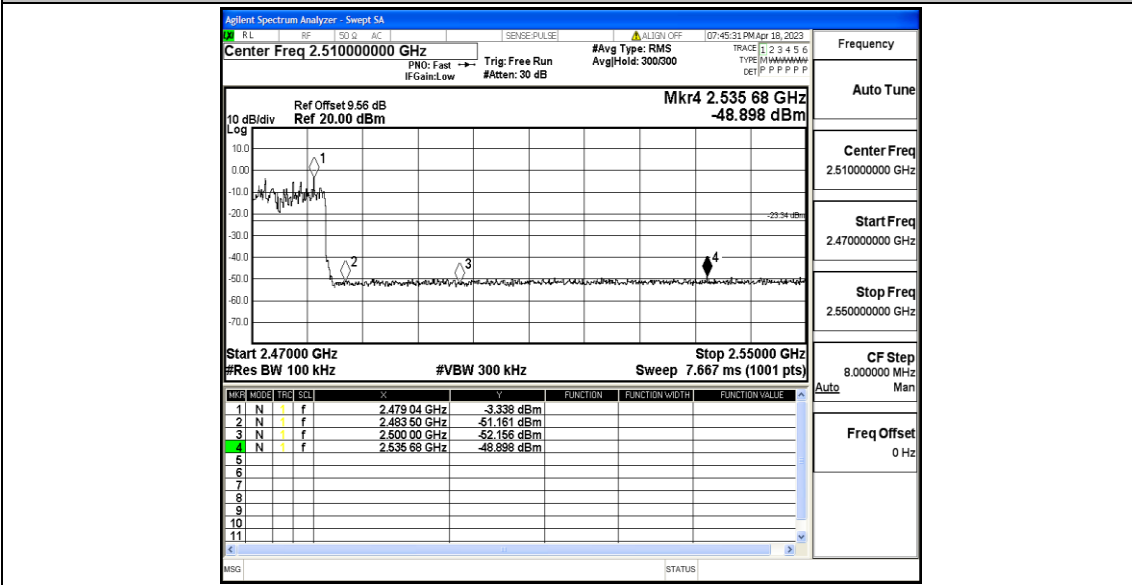
3DH5\_Ant1\_High\_2480



3DH5\_Ant1\_Low\_Hop\_2402



3DH5\_Ant1\_High\_Hop\_2480





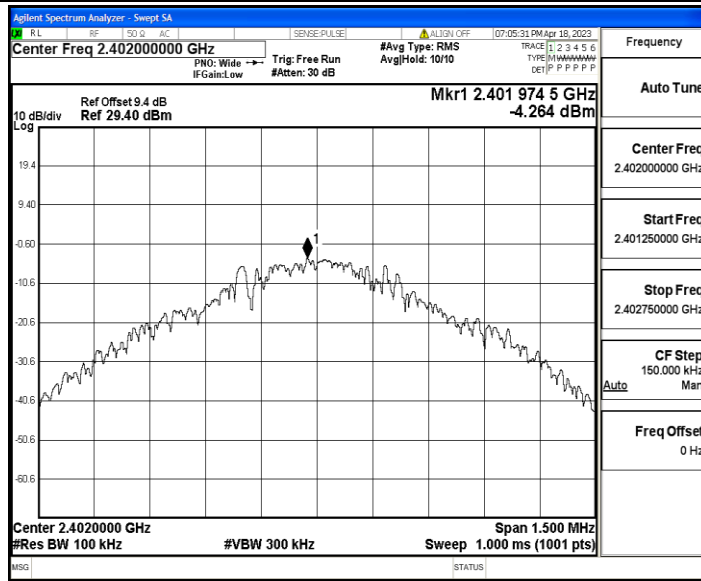
## Appendix H: Conducted Spurious Emission

### Test Result

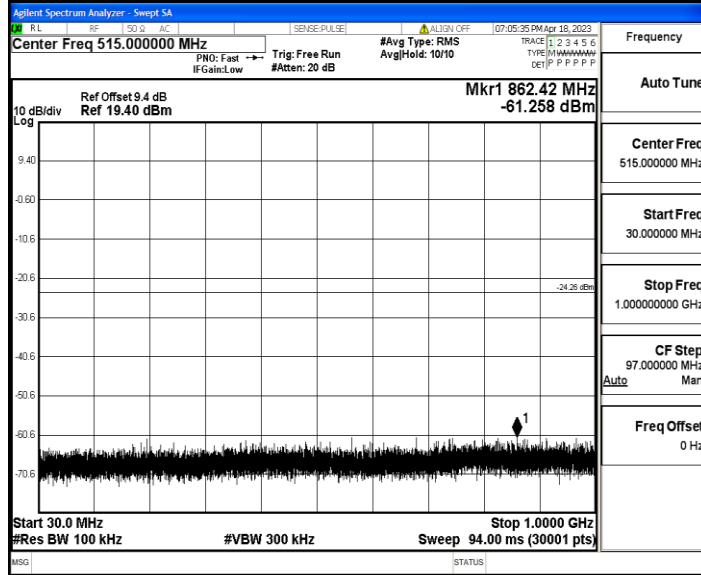
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-61.26	≤-24.26	PASS
			1000~26500	-4.26	-38.12	≤-24.26	PASS
		2441	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-60.78	≤-24.1	PASS
			1000~26500	-4.10	-38.76	≤-24.1	PASS
		2480	Reference	-3.54	-3.54	---	PASS
			30~1000	-3.54	-60.41	≤-23.54	PASS
			1000~26500	-3.54	-39.73	≤-23.54	PASS
2DH5	Ant1	2402	Reference	-6.18	-6.18	---	PASS
			30~1000	-6.18	-61.33	≤-26.18	PASS
			1000~26500	-6.18	-38.17	≤-26.18	PASS
		2441	Reference	-5.79	-5.79	---	PASS
			30~1000	-5.79	-60.85	≤-25.79	PASS
			1000~26500	-5.79	-43.42	≤-25.79	PASS
		2480	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-60.78	≤-25.98	PASS
			1000~26500	-5.98	-43.61	≤-25.98	PASS
3DH5	Ant1	2402	Reference	-7.96	-7.96	---	PASS
			30~1000	-7.96	-60.7	≤-27.96	PASS
			1000~26500	-7.96	-36.45	≤-27.96	PASS
		2441	Reference	-7.08	-7.08	---	PASS
			30~1000	-7.08	-60.46	≤-27.08	PASS
			1000~26500	-7.08	-37.31	≤-27.08	PASS
		2480	Reference	-6.29	-6.29	---	PASS
			30~1000	-6.29	-59.44	≤-26.29	PASS
			1000~26500	-6.29	-42.32	≤-26.29	PASS

Test Graphs

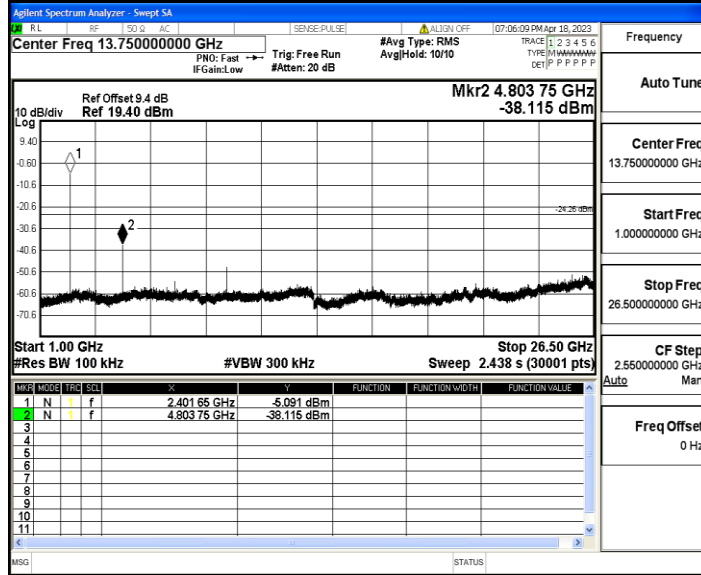
DH5\_Ant1\_2402\_0~Reference



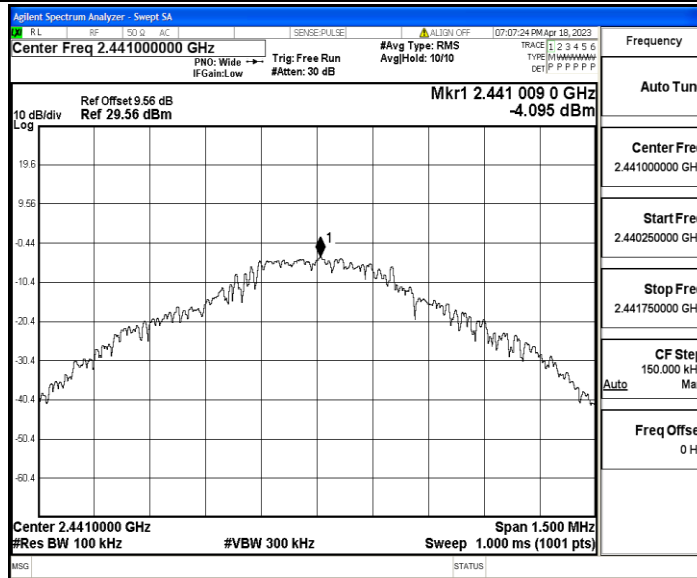
DH5\_Ant1\_2402\_30~1000



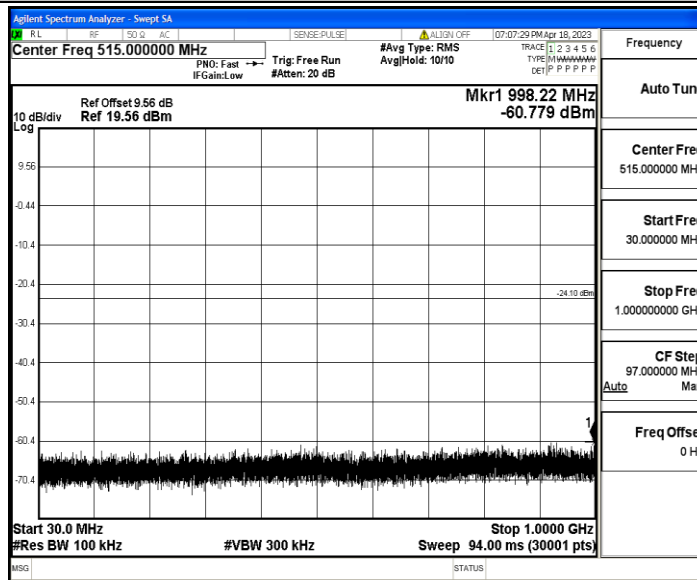
DH5\_Ant1\_2402\_1000~26500



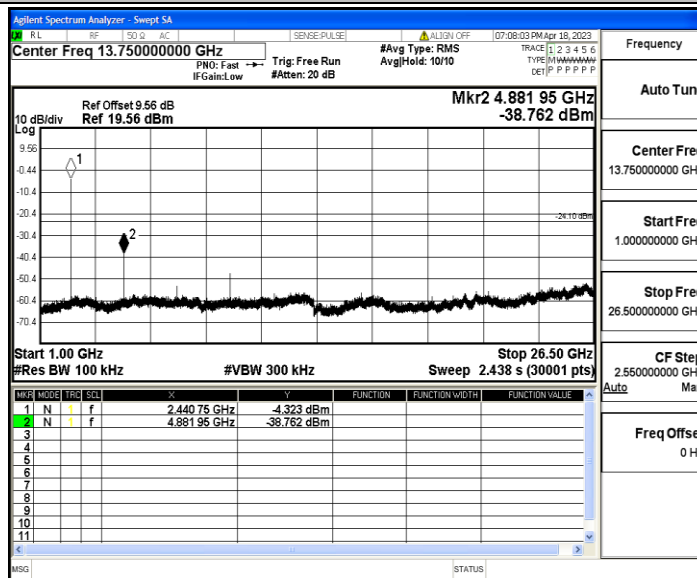
DH5\_Ant1\_2441\_0~Reference



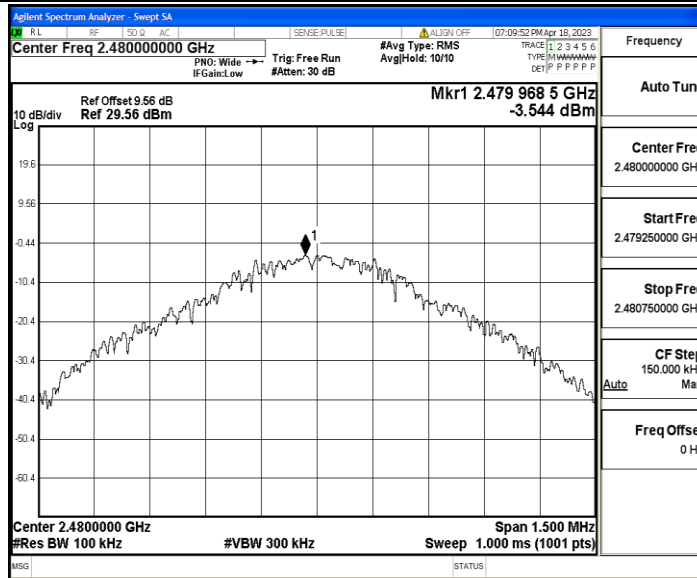
DH5\_Ant1\_2441\_30~1000



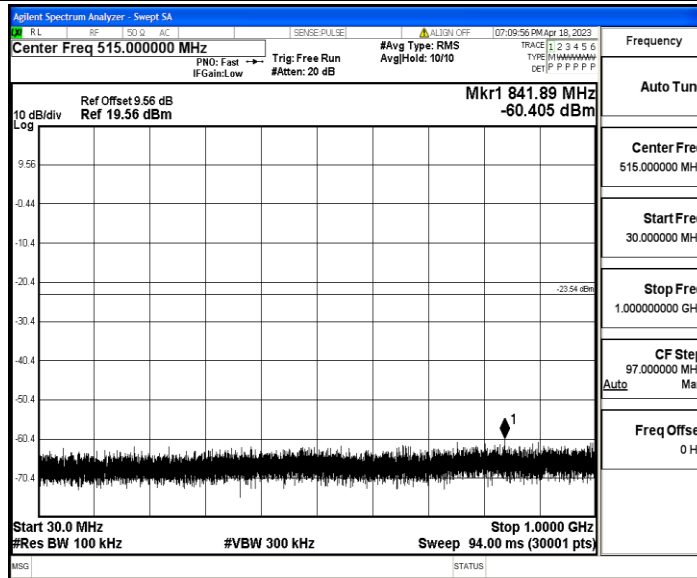
DH5\_Ant1\_2441\_1000~26500



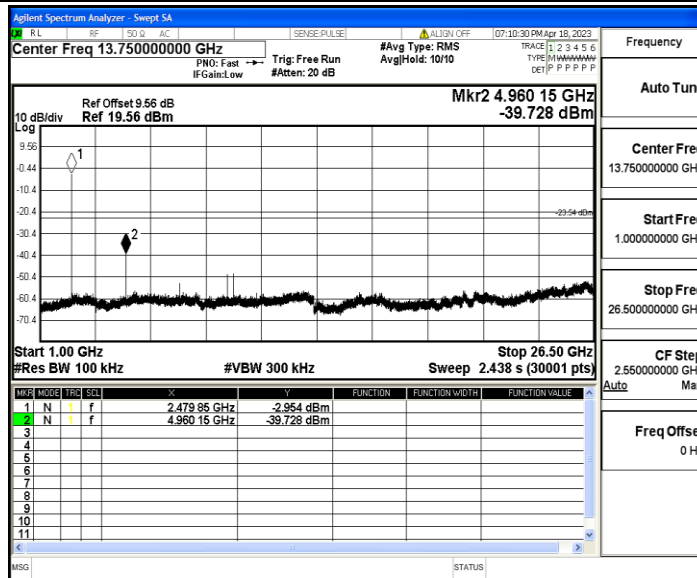
DH5\_Ant1\_2480\_0~Reference



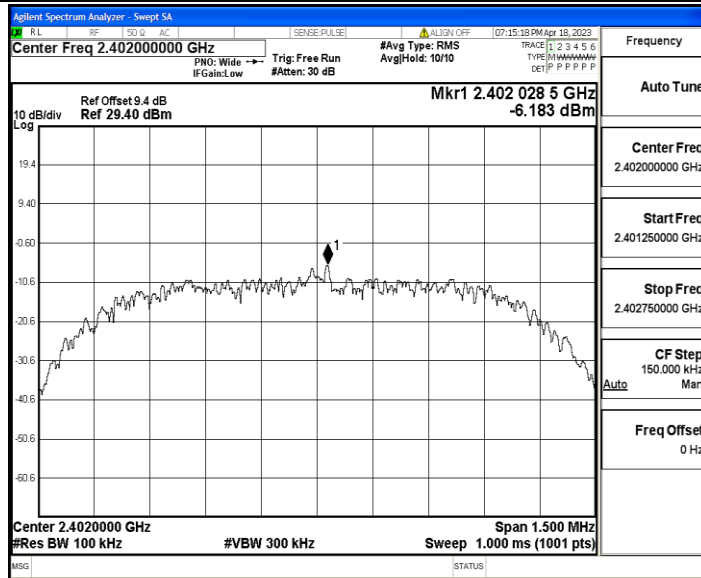
DH5\_Ant1\_2480\_30~1000



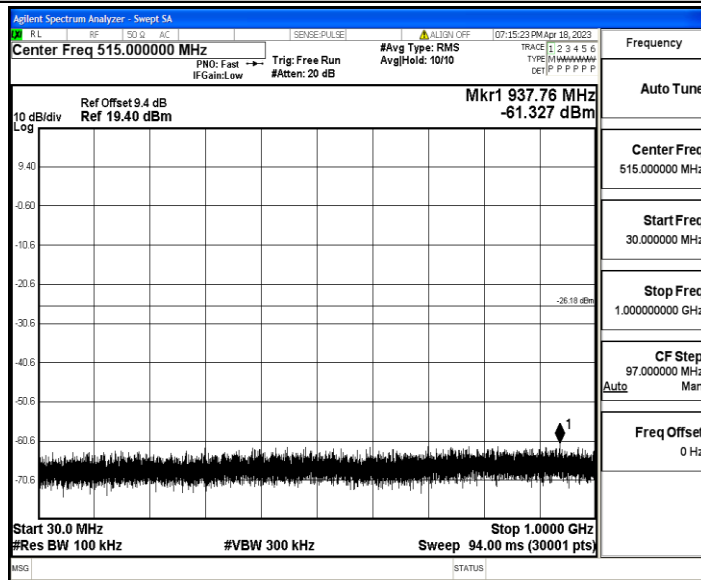
DH5\_Ant1\_2480\_1000~26500



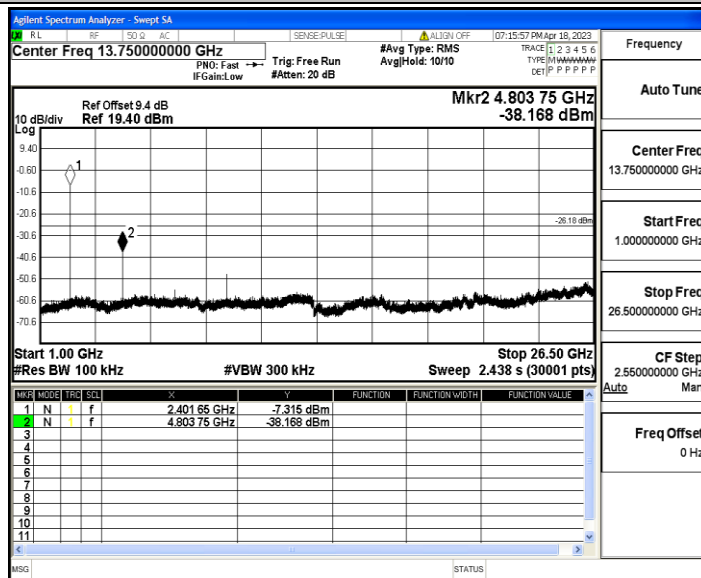
2DH5\_Ant1\_2402\_0~Reference



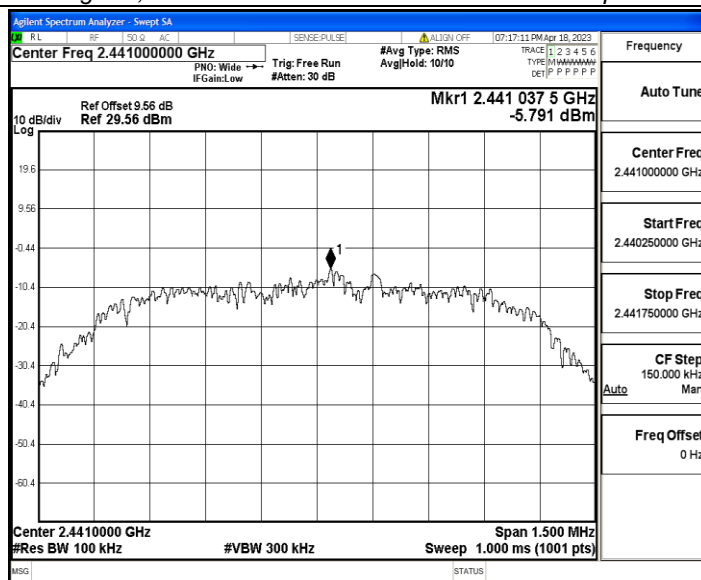
2DH5\_Ant1\_2402\_30~1000



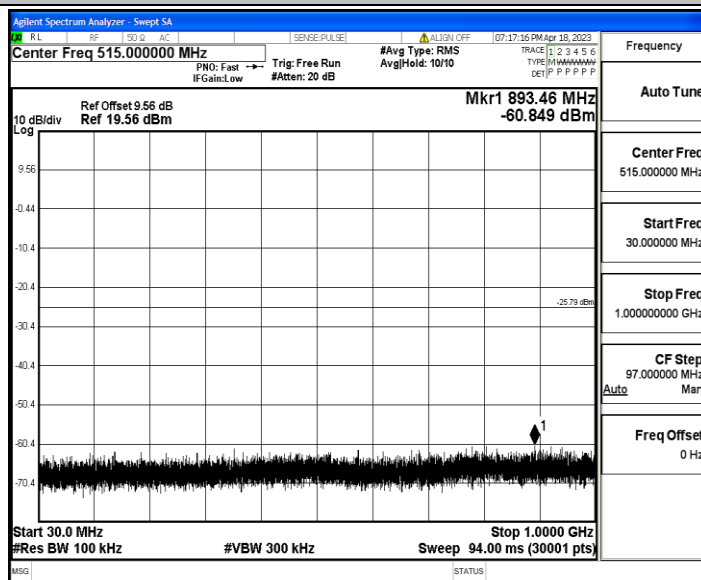
2DH5\_Ant1\_2402\_1000~26500



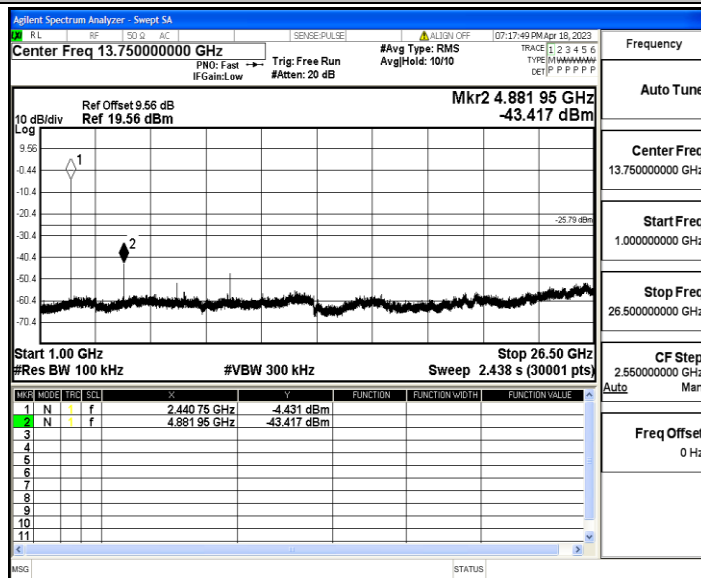
2DH5\_Ant1\_2441\_0~Reference



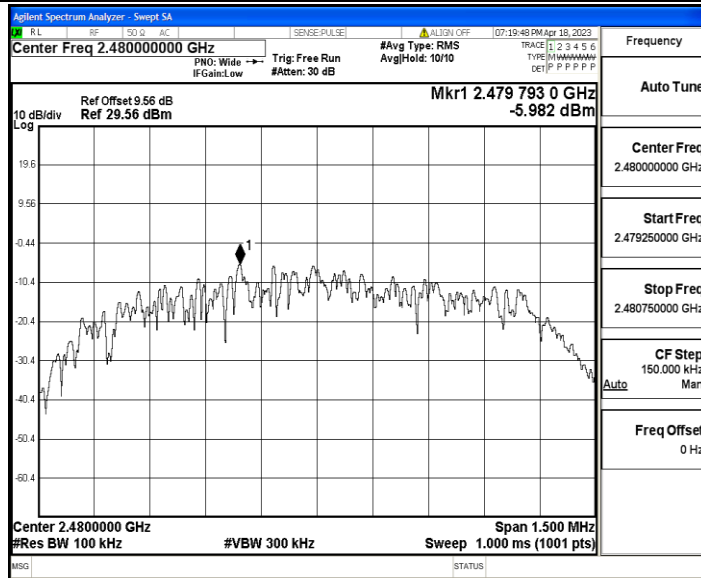
2DH5\_Ant1\_2441\_30~1000



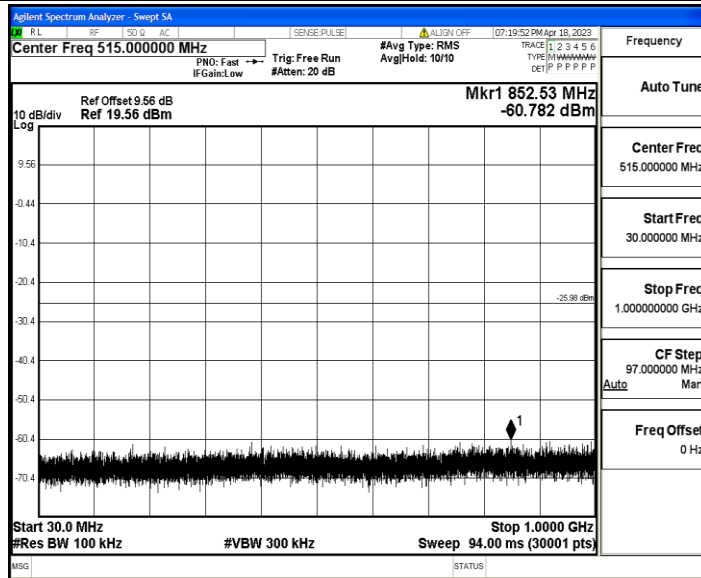
2DH5\_Ant1\_2441\_1000~26500



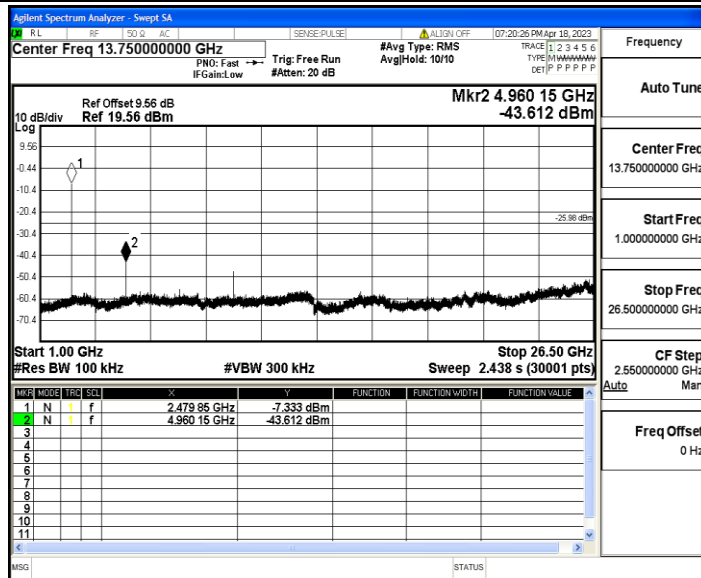
2DH5\_Ant1\_2480\_0~Reference



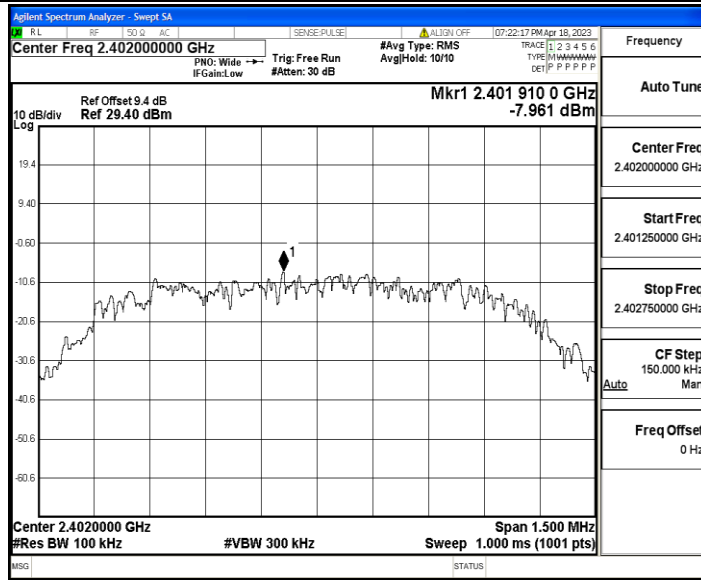
2DH5\_Ant1\_2480\_30~1000



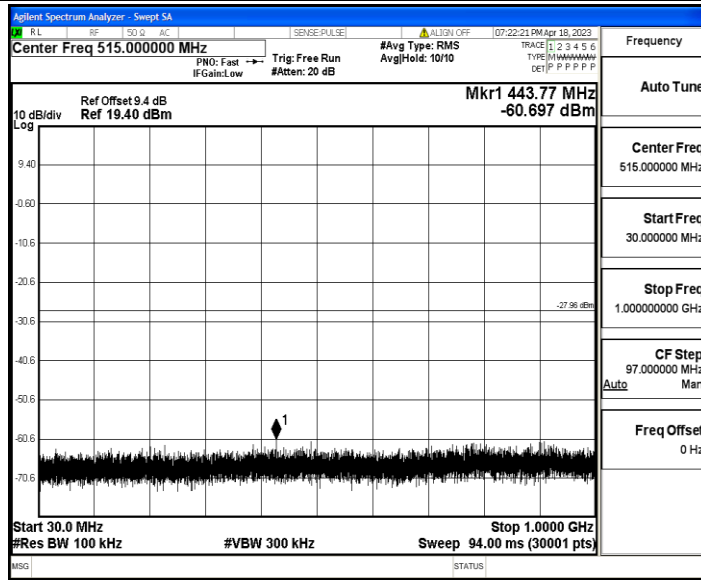
2DH5\_Ant1\_2480\_1000~26500



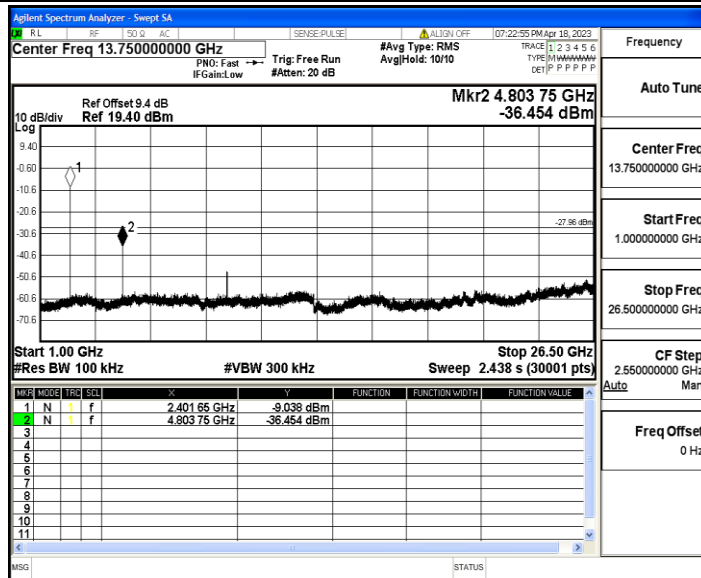
3DH5\_Ant1\_2402\_0~Reference



3DH5\_Ant1\_2402\_30~1000



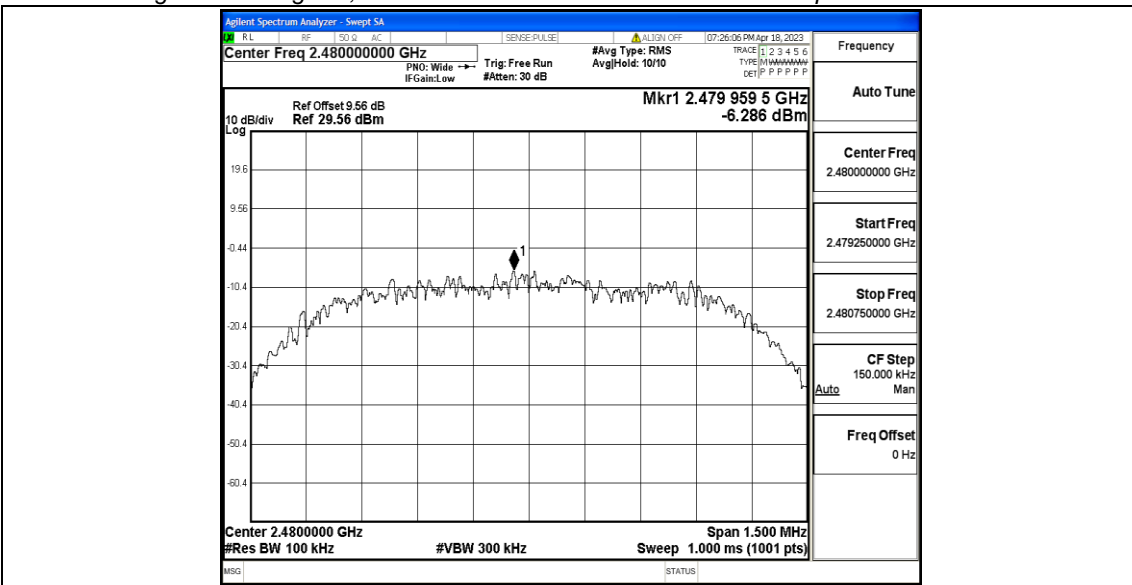
3DH5\_Ant1\_2402\_1000~26500



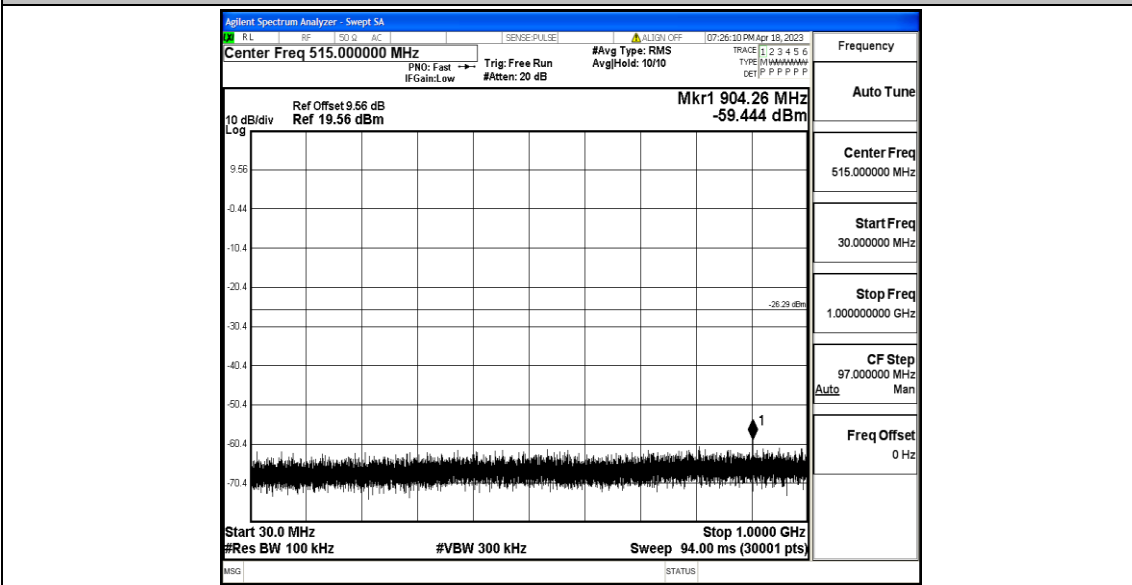
3DH5\_Ant1\_2441\_0~Reference



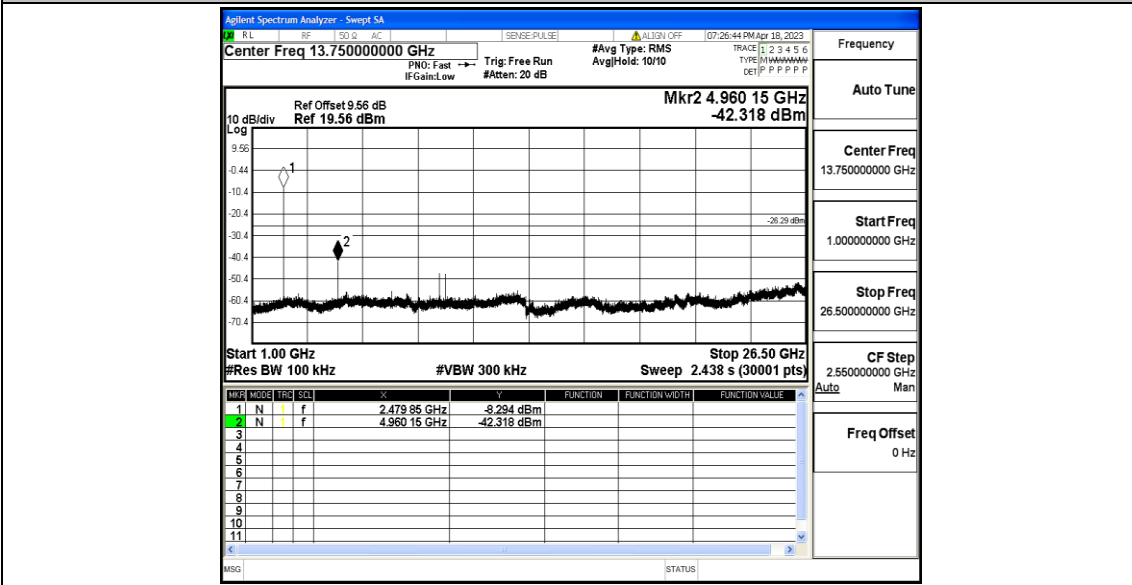




3DH5\_Ant1\_2480\_30~1000



3DH5\_Ant1\_2480\_1000~26500

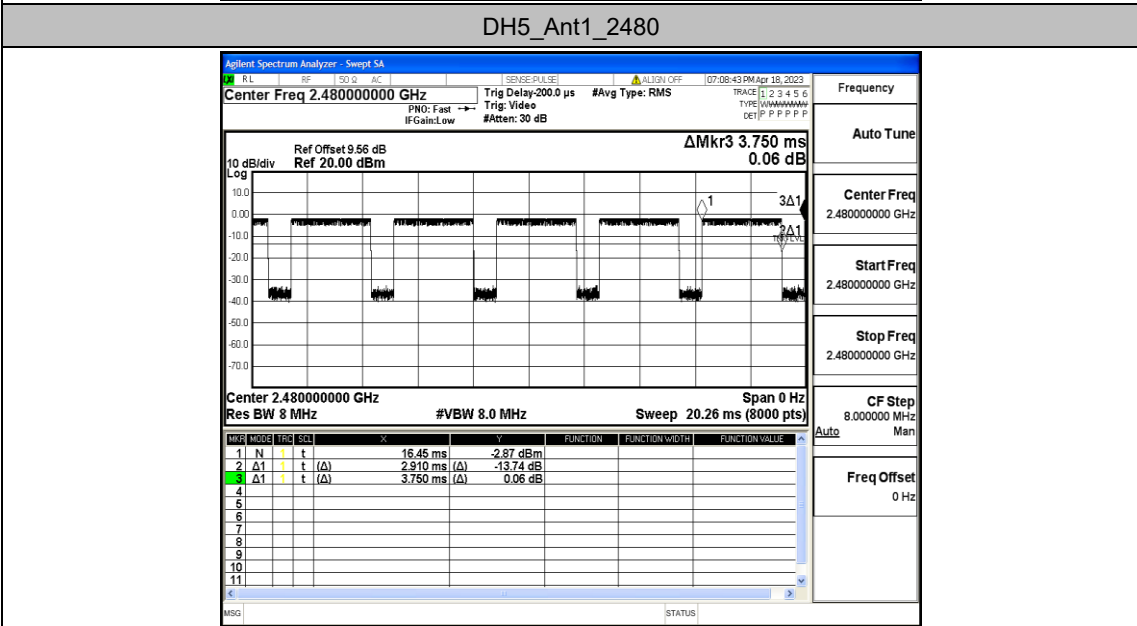
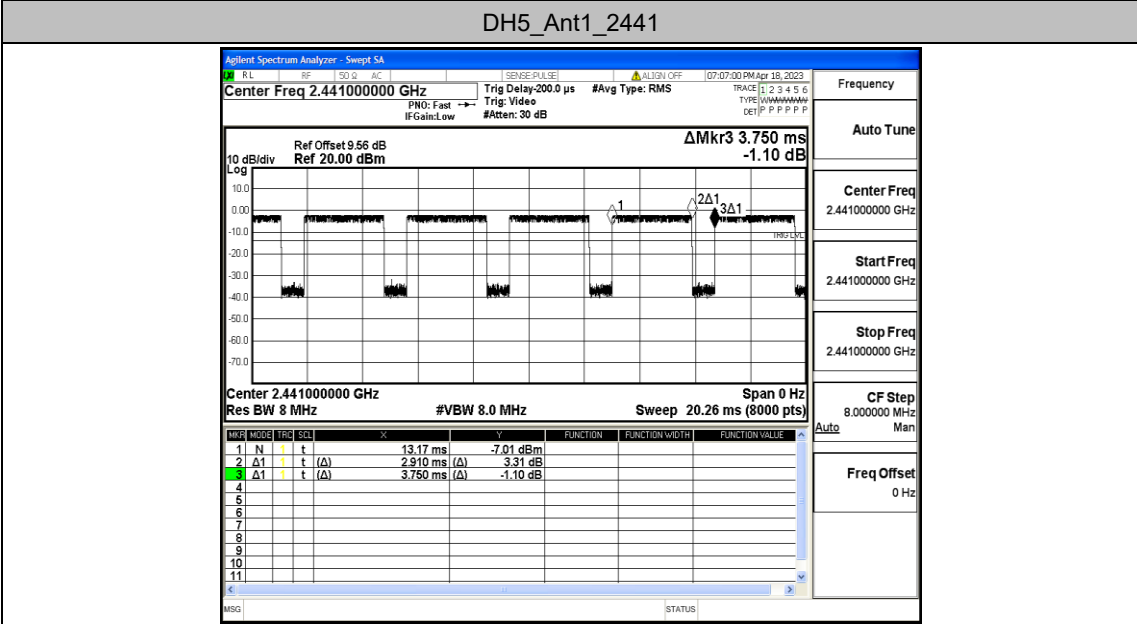
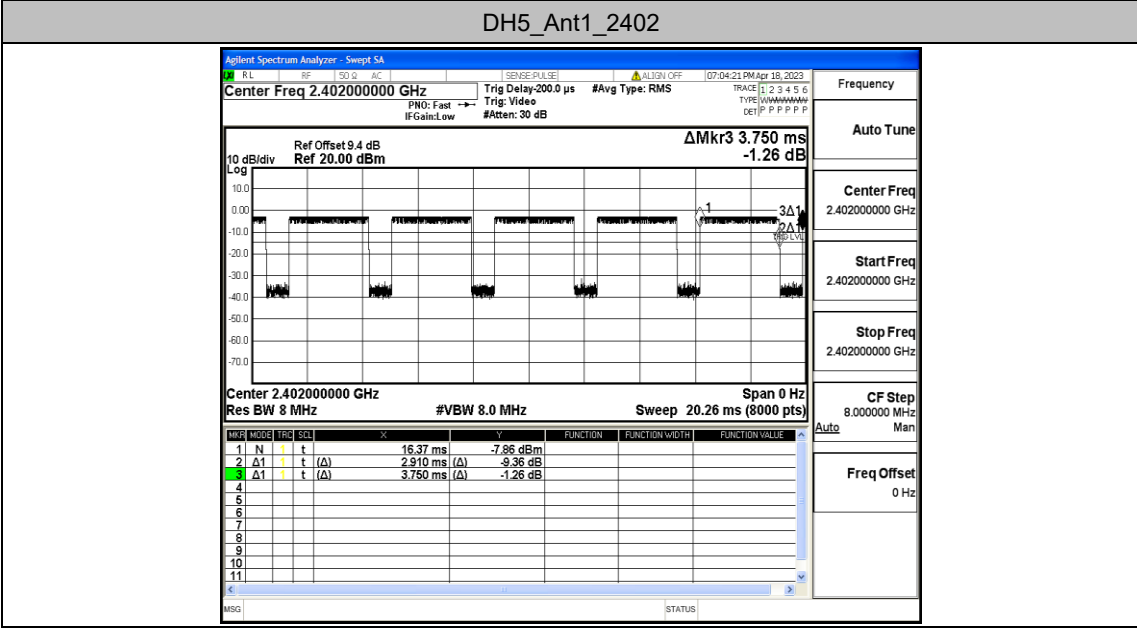


## Appendix I: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.91	3.75	77.60	0.34
		2441	2.91	3.75	77.60	0.34
		2480	2.91	3.75	77.60	0.34
2DH5	Ant1	2402	2.92	3.75	77.87	0.34
		2441	2.91	3.75	77.60	0.34
		2480	2.92	3.75	77.87	0.34
3DH5	Ant1	2402	2.92	3.75	77.87	0.34
		2441	2.92	3.75	77.87	0.34
		2480	2.92	3.75	77.87	0.34

Test Graphs



**2DH5\_Ant1\_2402**