

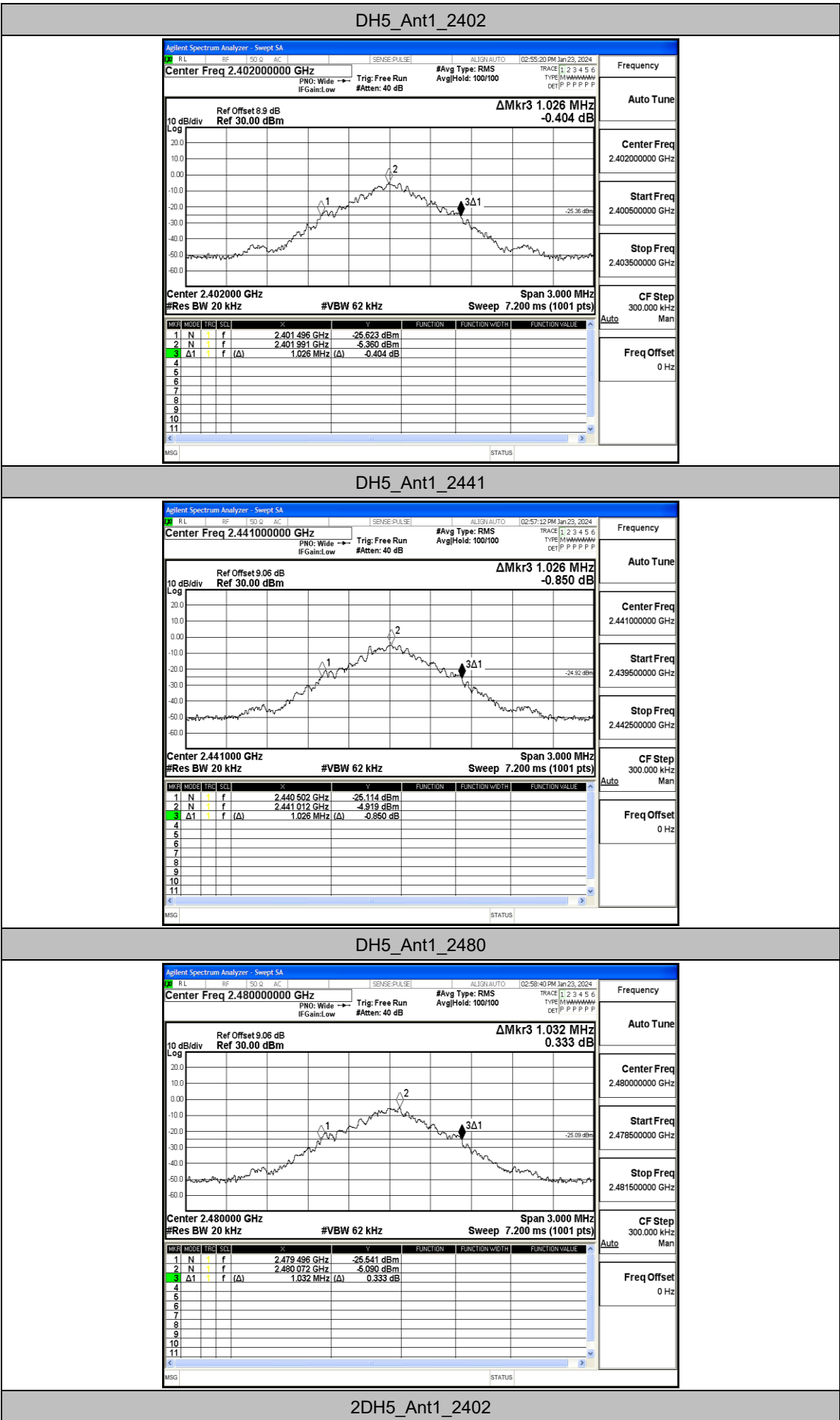
**Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)****Product Name: Bluetooth Speaker****Trade Mark: N/A****Test Model: C6****FCC ID: 2A047-C6****Environmental Conditions**

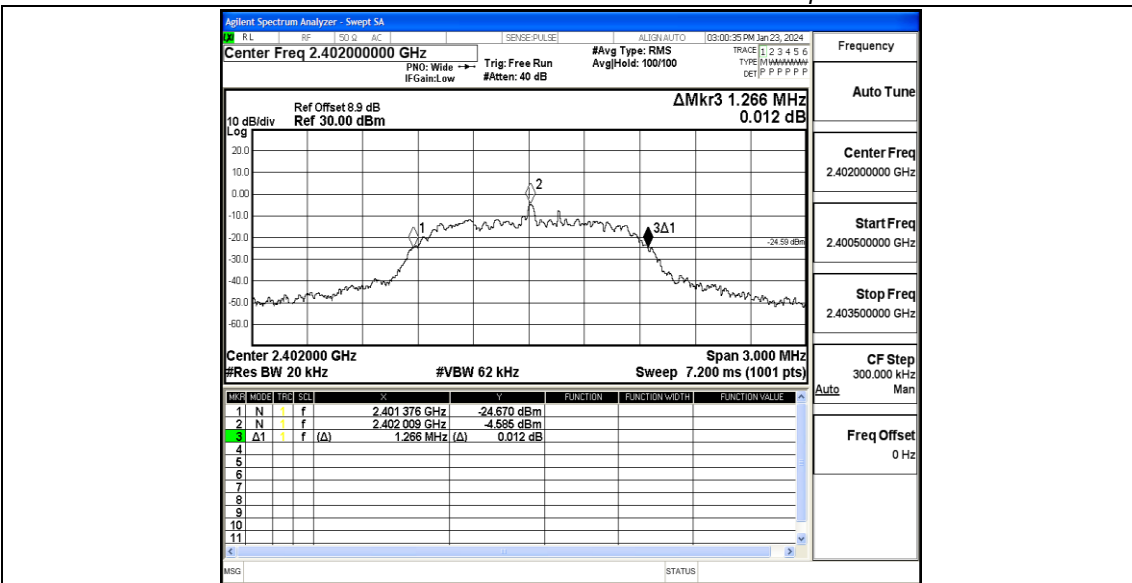
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

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

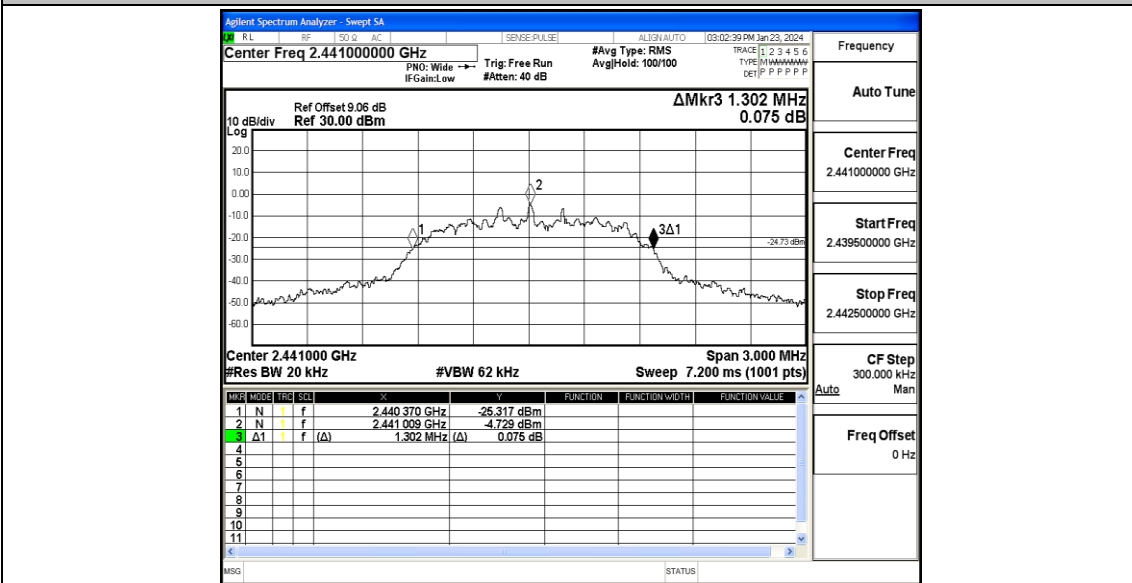
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.026	2401.496	2402.522	---	---
		2441	1.026	2440.502	2441.528	---	---
		2480	1.032	2479.496	2480.528	---	---
2DH5	Ant1	2402	1.266	2401.376	2402.642	---	---
		2441	1.302	2440.370	2441.672	---	---
		2480	1.374	2479.331	2480.705	---	---

Test Graphs

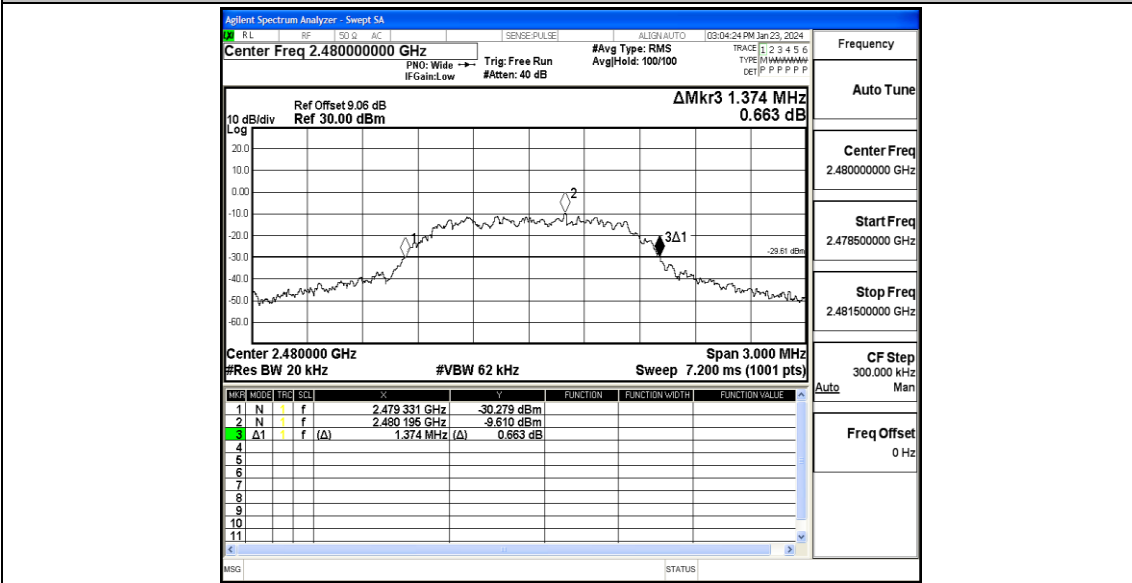




2DH5\_Ant1\_2441



2DH5\_Ant1\_2480

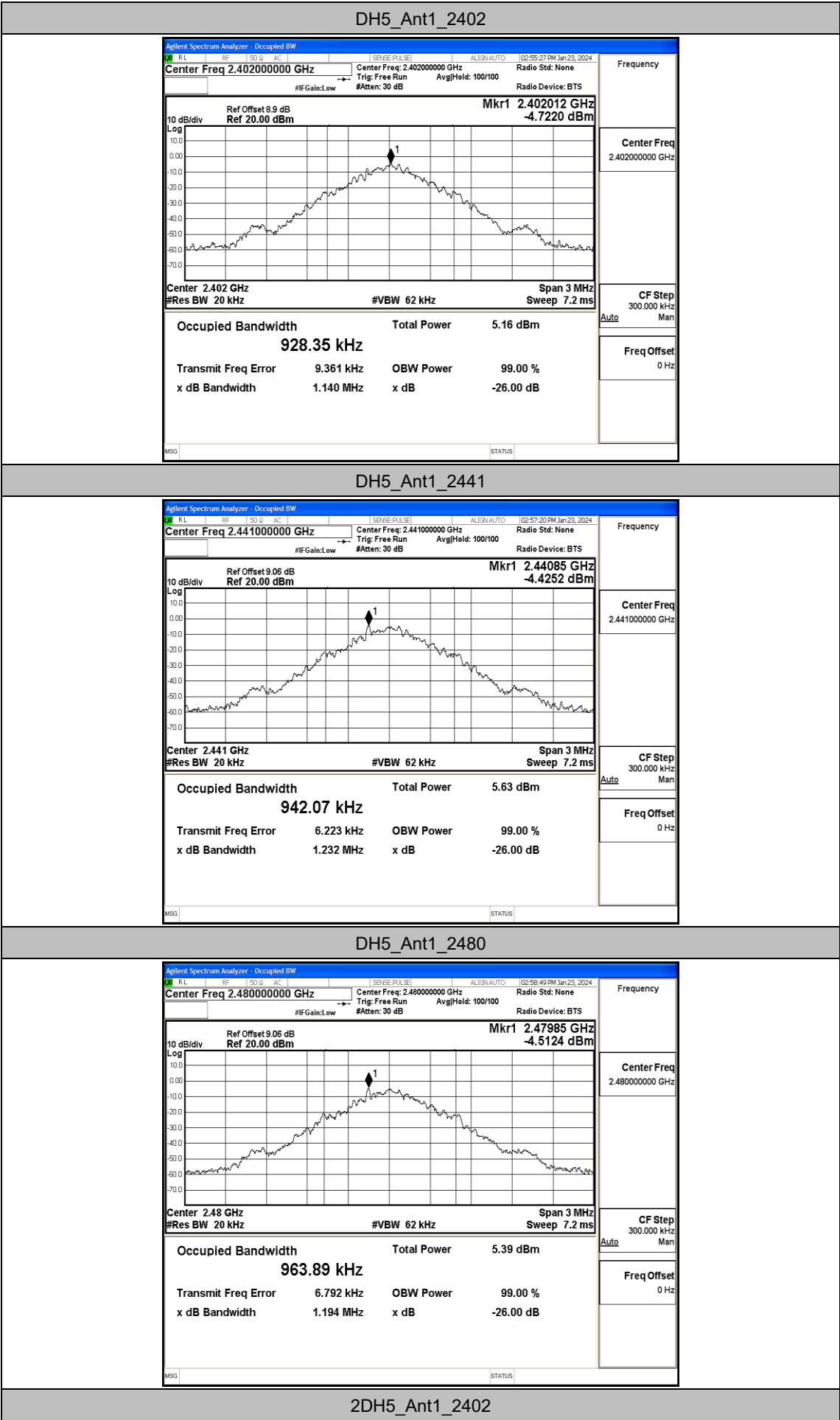


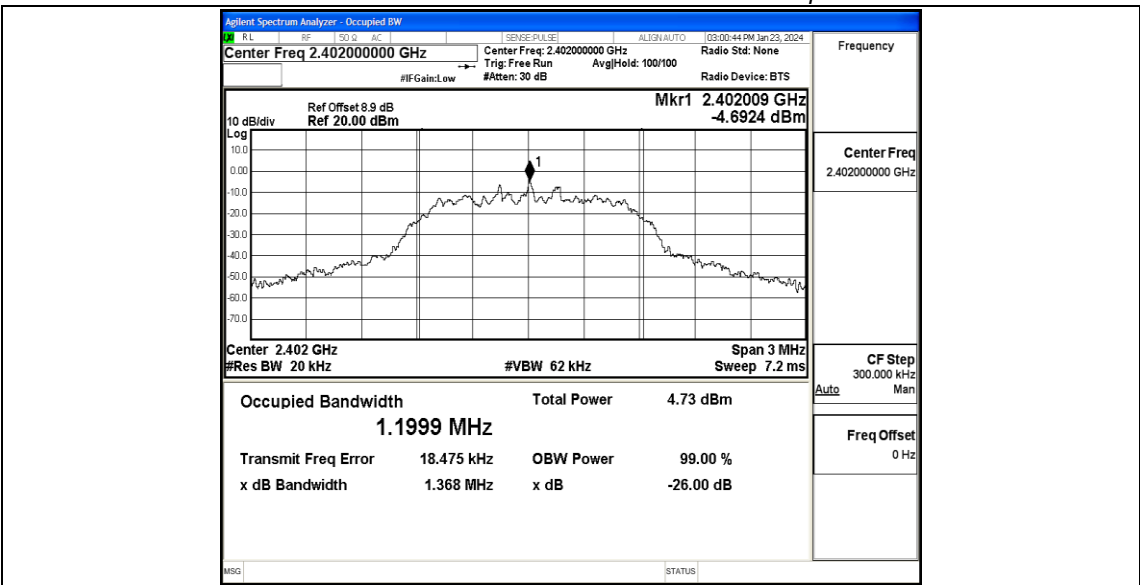
## Appendix B: Occupied Channel Bandwidth

### Test Result

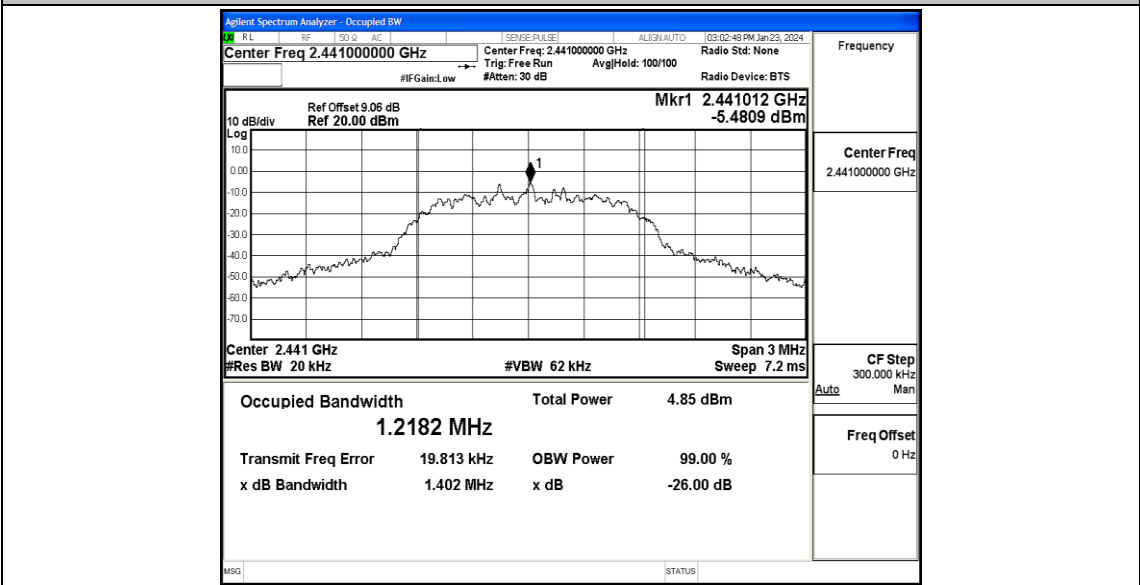
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92835	2401.5452	2402.4735	---	---
		2441	0.94207	2440.5352	2441.4773	---	---
		2480	0.96389	2479.5248	2480.4887	---	---
2DH5	Ant1	2402	1.1999	2401.4185	2402.6184	---	---
		2441	1.2182	2440.4107	2441.6289	---	---
		2480	1.2182	2479.4115	2480.6297	---	---

Test Graphs

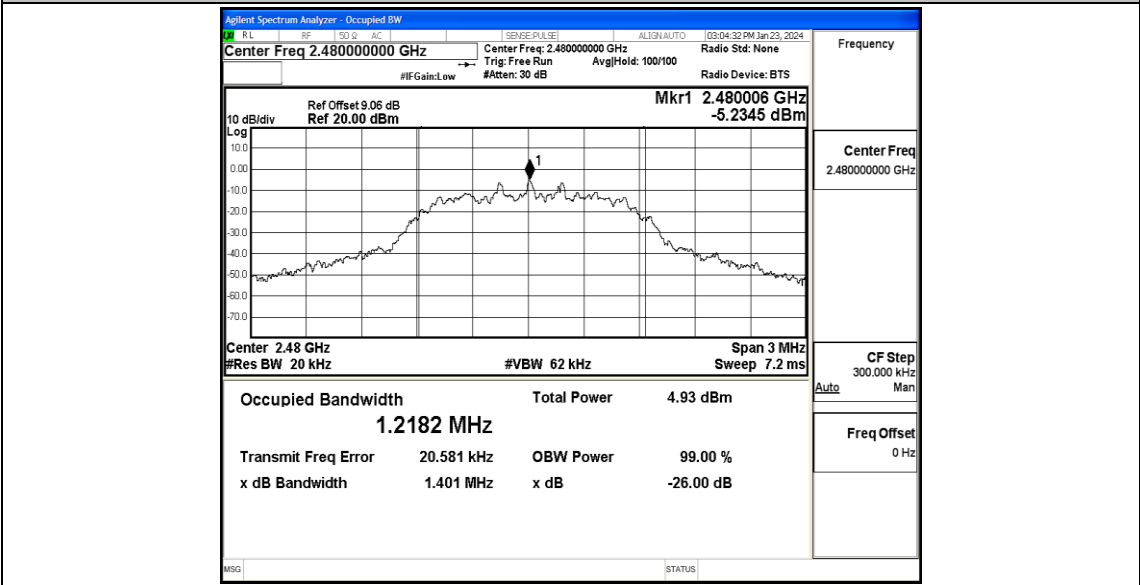




2DH5\_Ant1\_2441



2DH5\_Ant1\_2480

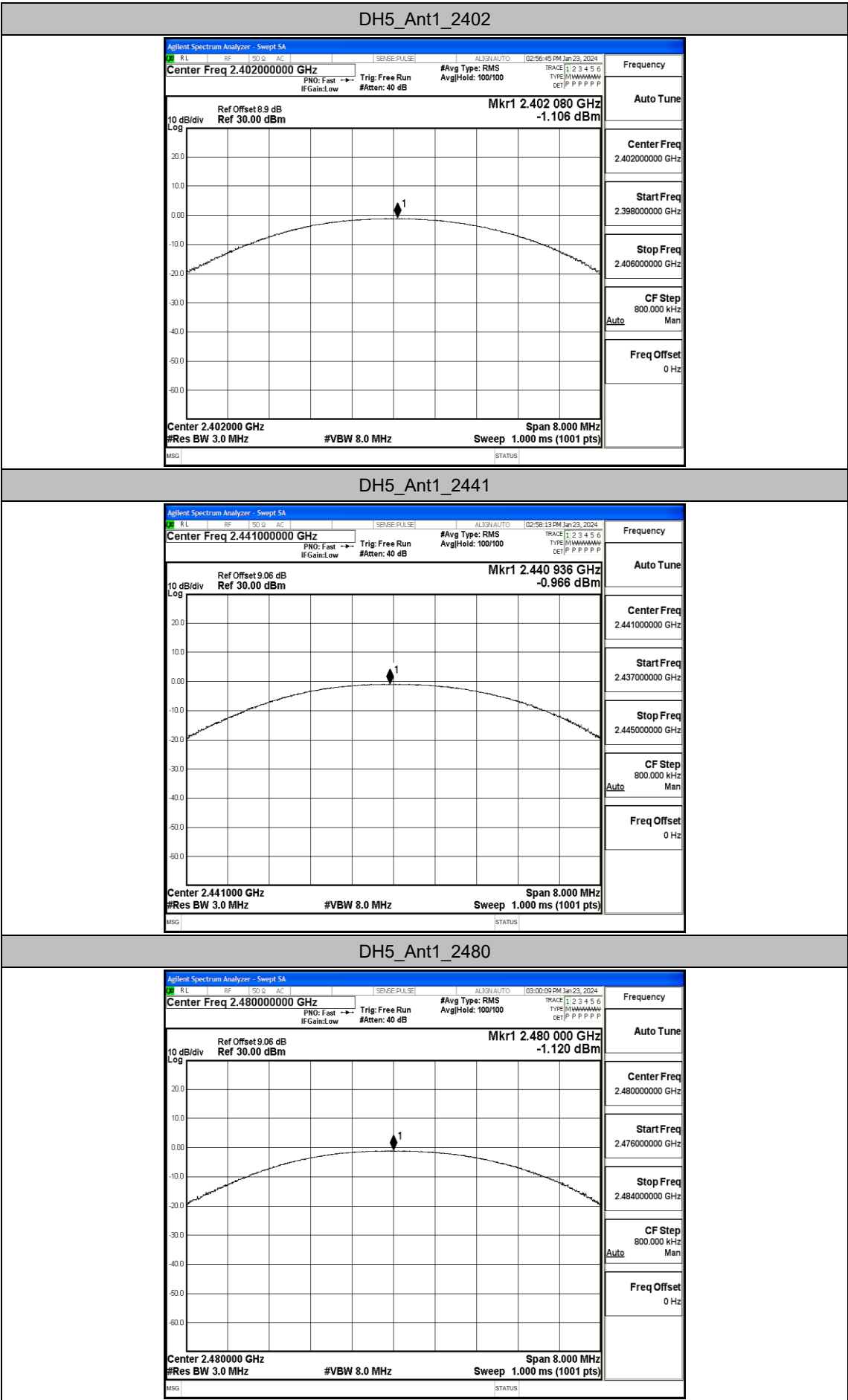


## Appendix C: Maximum Peak conducted output power

### Test Result

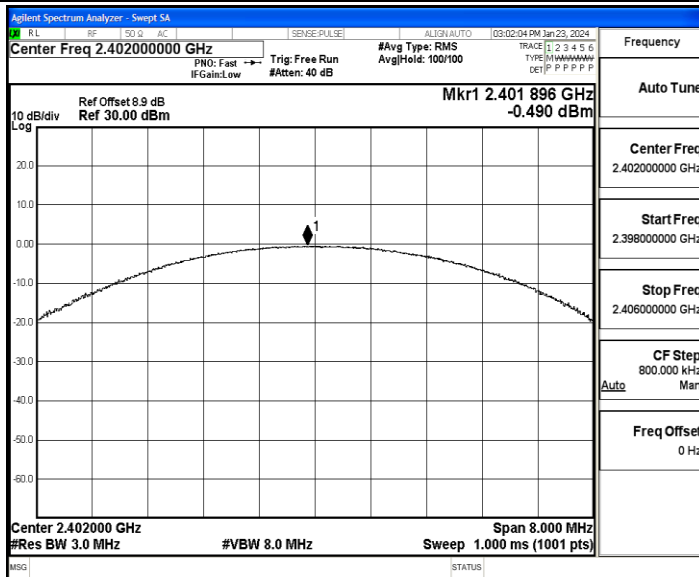
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.11	≤30	PASS
		2441	-0.97	≤30	PASS
		2480	-1.12	≤30	PASS
2DH5	Ant1	2402	-0.49	≤20.97	PASS
		2441	-0.18	≤20.97	PASS
		2480	-0.44	≤20.97	PASS

### Test Graphs

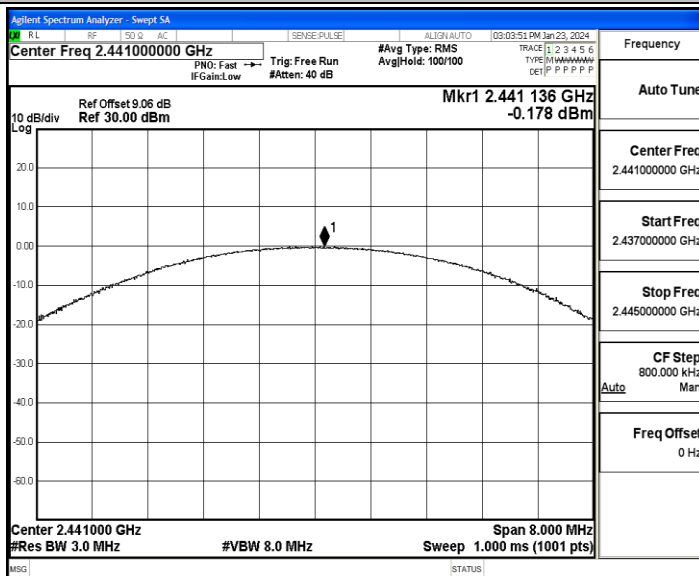




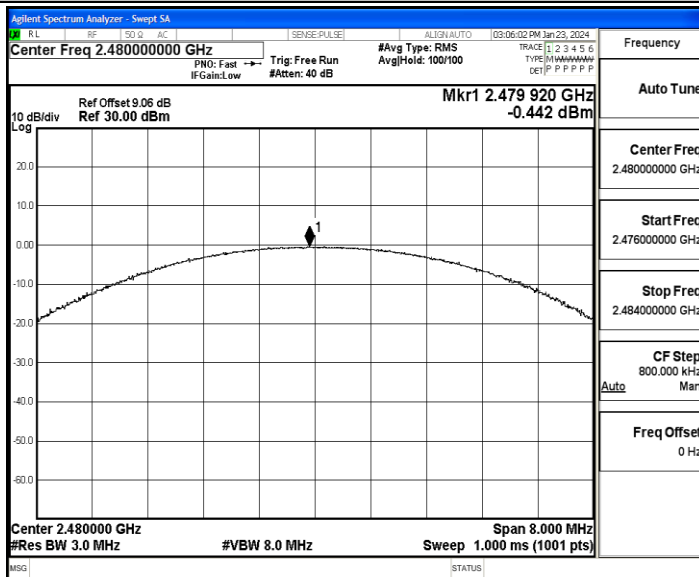
2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



2DH5\_Ant1\_2480

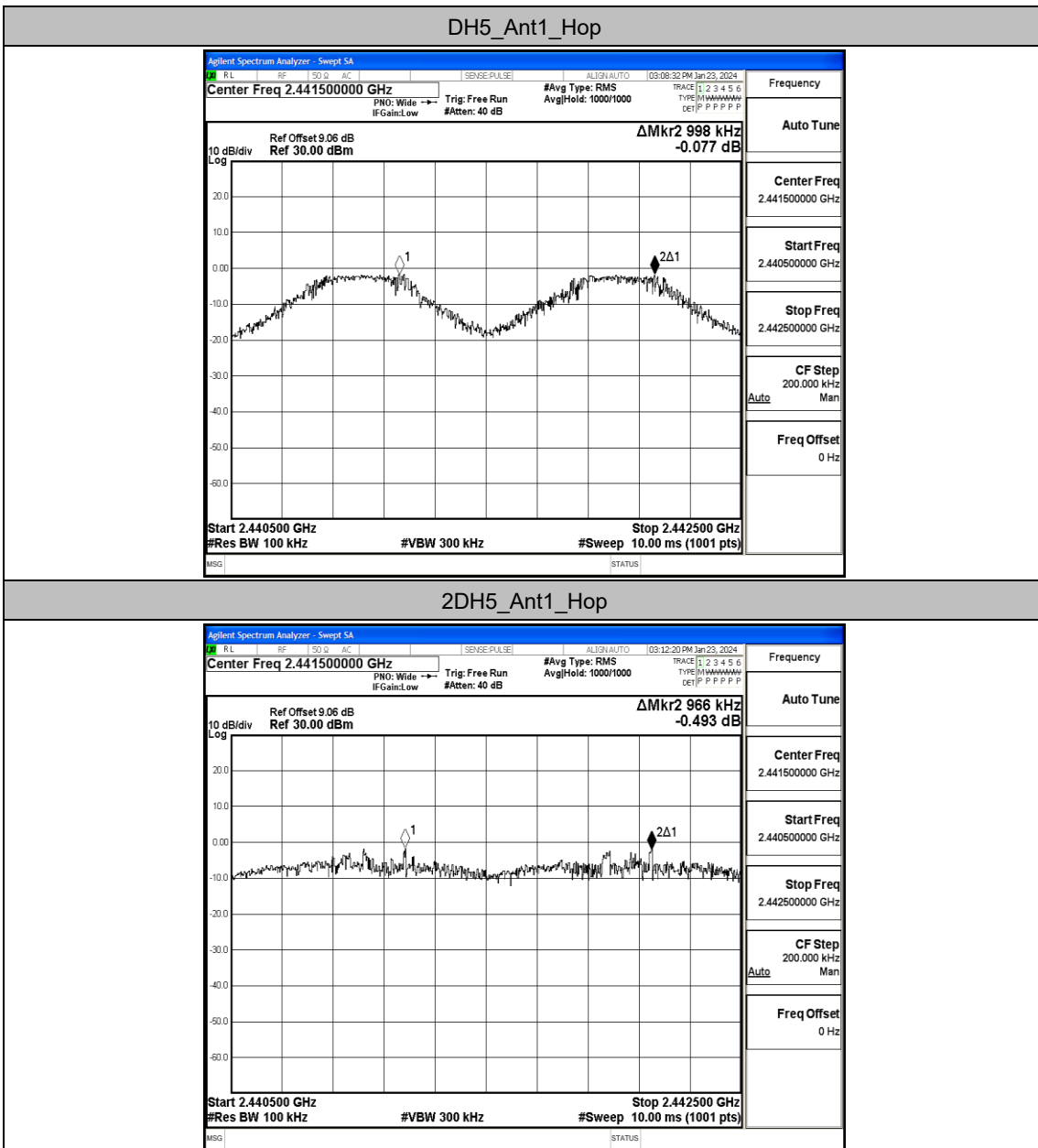


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	$\geq 0.688$	PASS
2DH5	Ant1	Hop	0.966	$\geq 0.916$	PASS

# Test Graphs

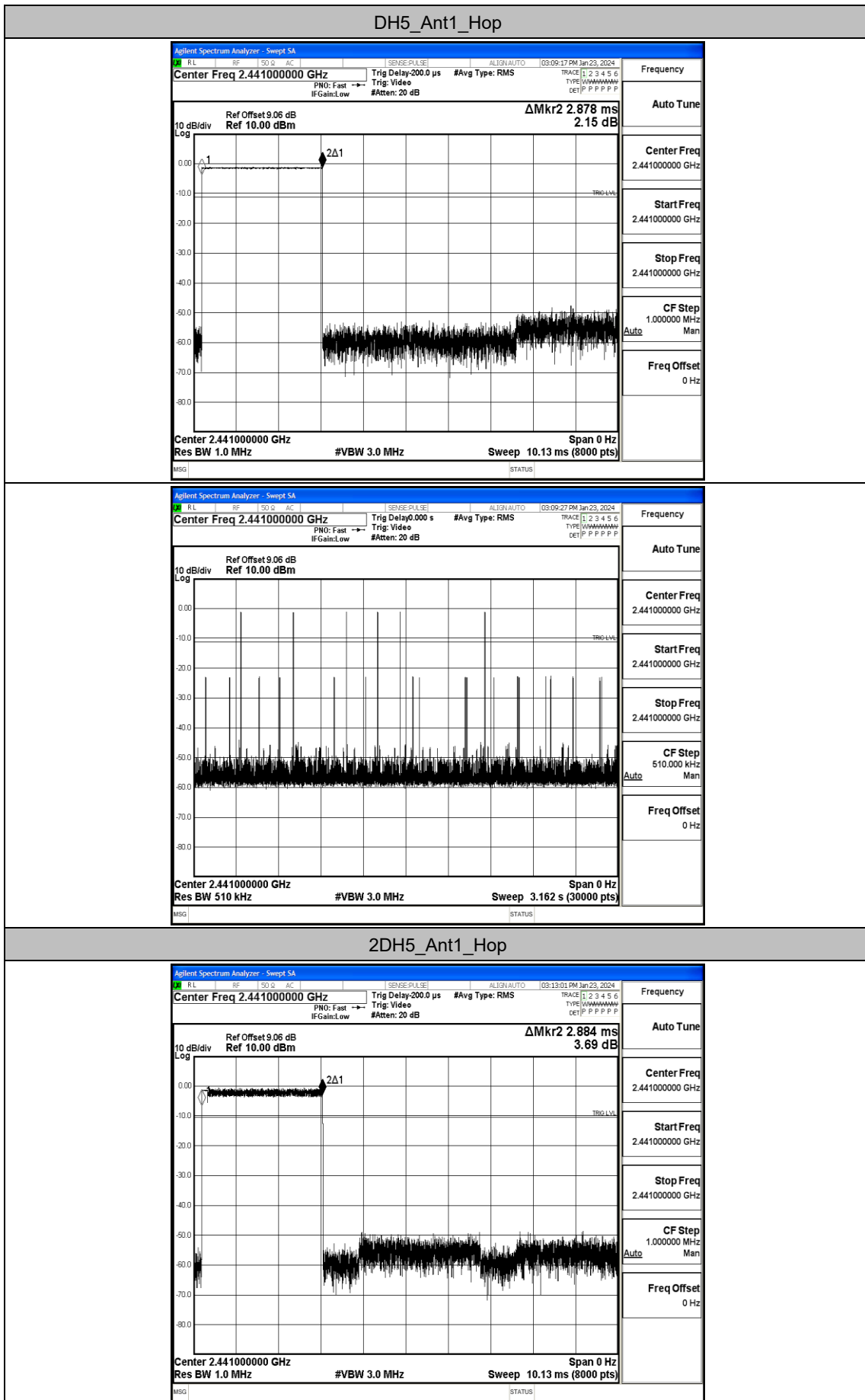


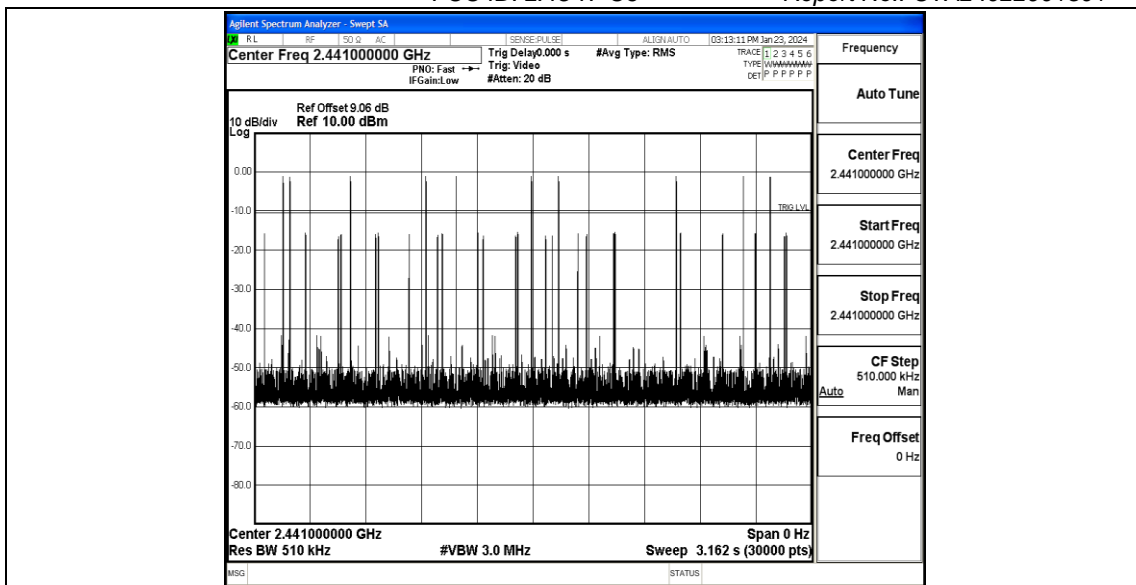
## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	70	0.201	≤0.4	PASS
2DH5	Ant1	Hop	2.884	110	0.317	≤0.4	PASS

Test Graphs



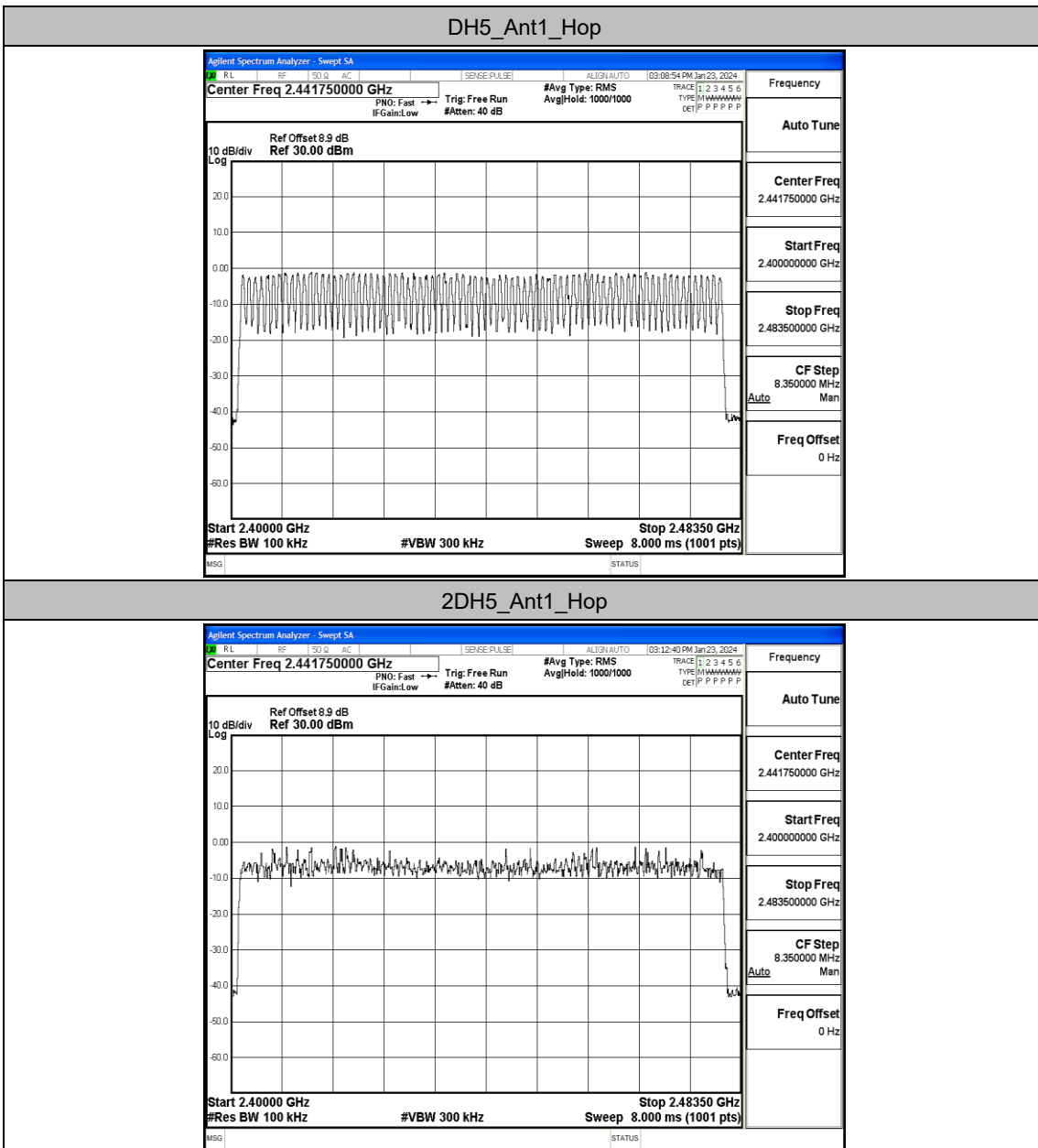


## Appendix F: Number of hopping channels

### Test Result

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

### Test Graphs





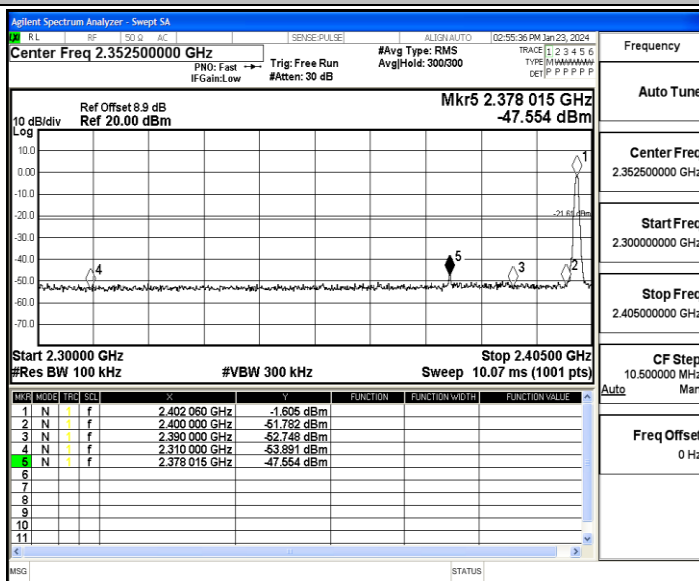
## Appendix G: Band edge measurements

### Test Result

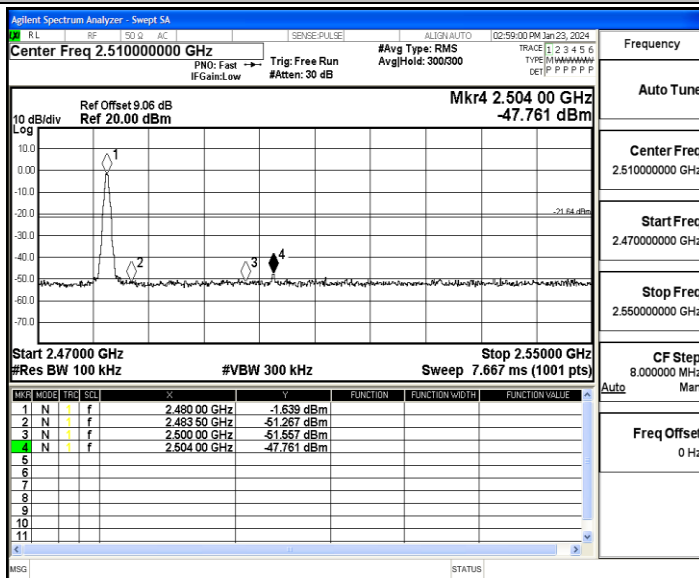
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.61	-47.55	≤-21.61	PASS
		High	2480	-1.64	-47.76	≤-21.64	PASS
		Low	Hop_2402	-2.37	-48.69	≤-22.37	PASS
		High	Hop_2480	-1.32	-47.92	≤-21.32	PASS
2DH5	Ant1	Low	2402	-1.57	-48.92	≤-21.57	PASS
		High	2480	-1.58	-47.72	≤-21.58	PASS
		Low	Hop_2402	-3.85	-49.84	≤-23.85	PASS
		High	Hop_2480	-3.23	-48.62	≤-23.23	PASS

Test Graphs

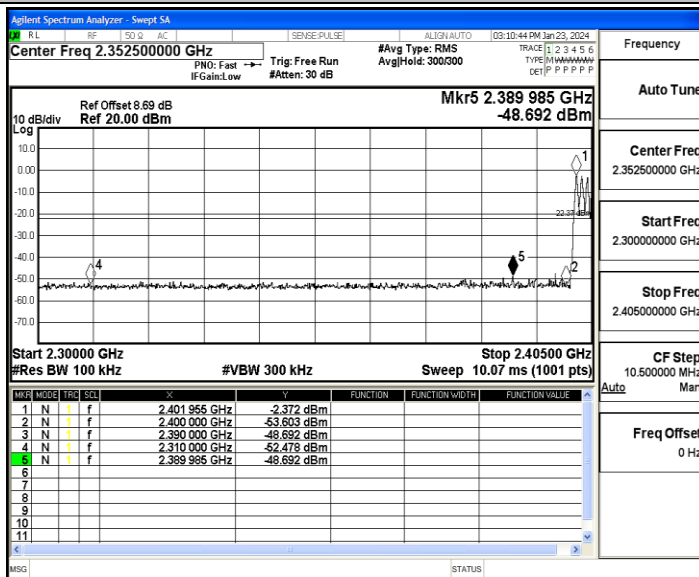
DH5\_Ant1\_Low\_2402



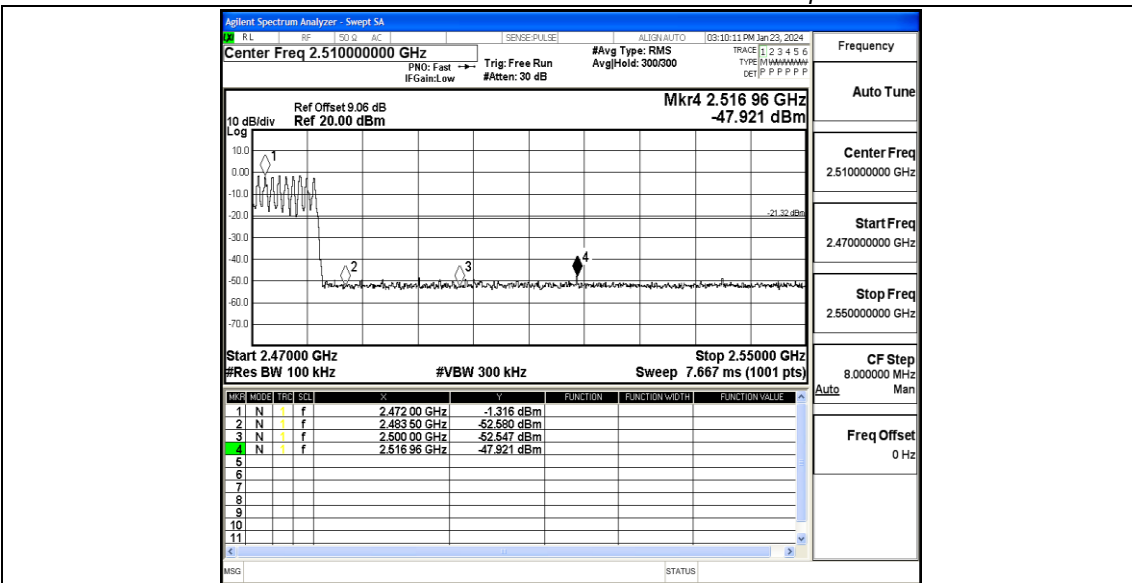
DH5\_Ant1\_High\_2480



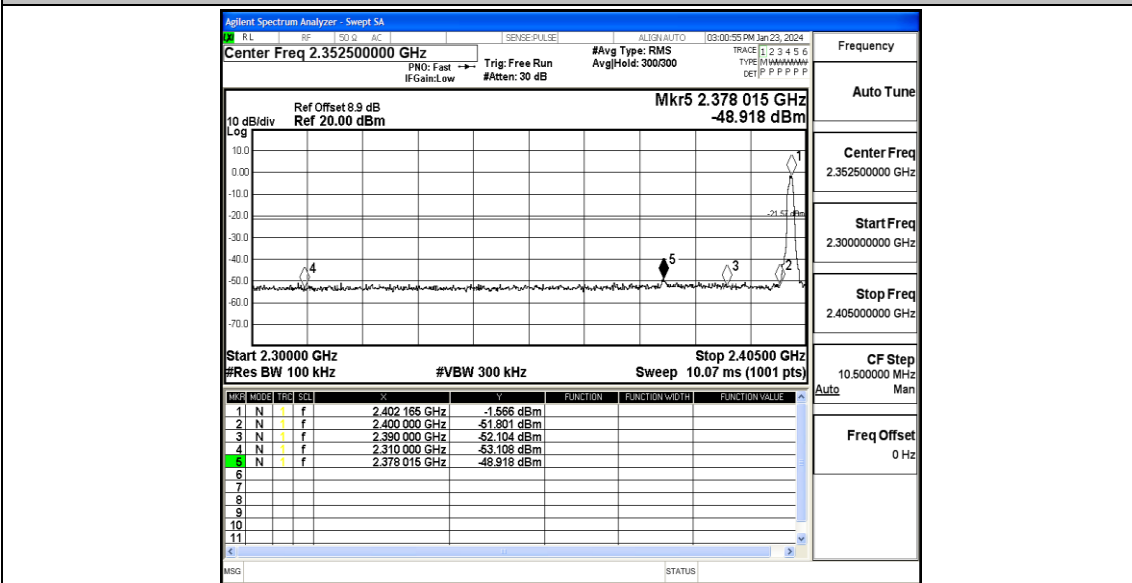
DH5\_Ant1\_Low\_Hop\_2402



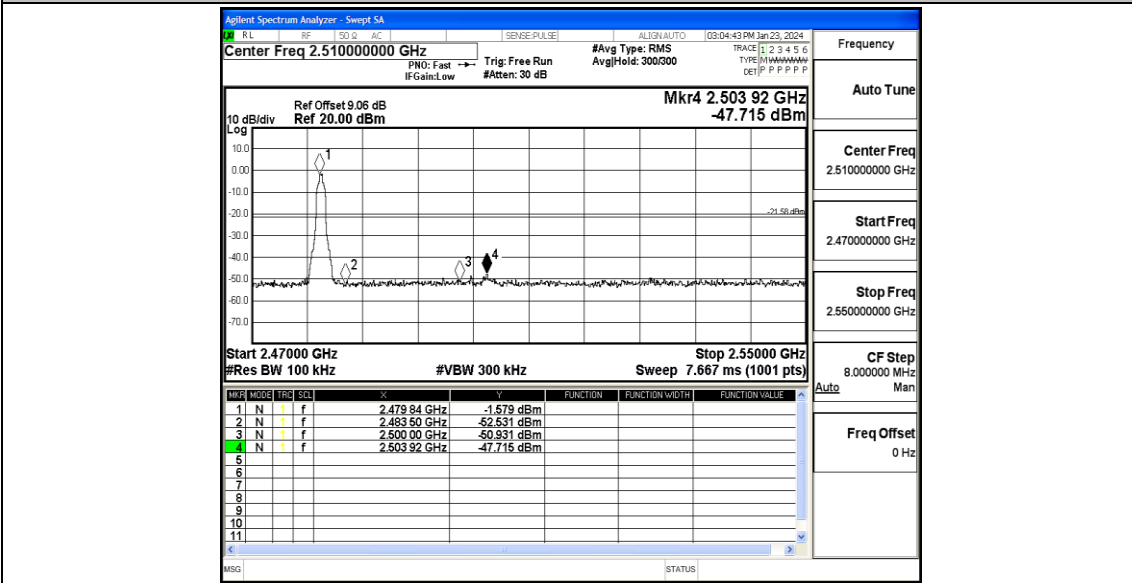
DH5\_Ant1\_High\_Hop\_2480



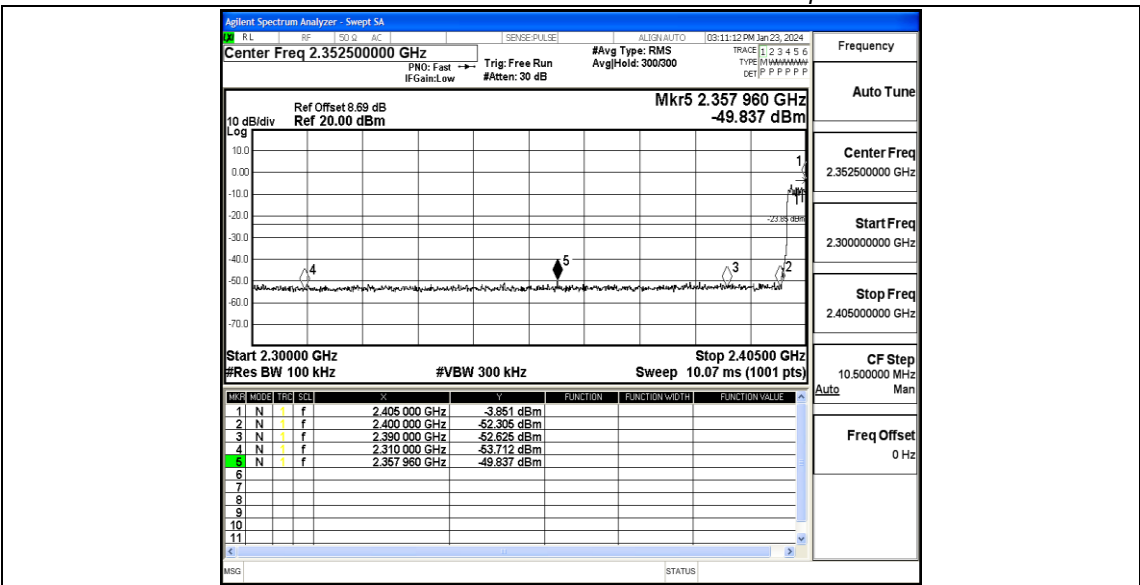
2DH5\_Ant1\_Low\_2402



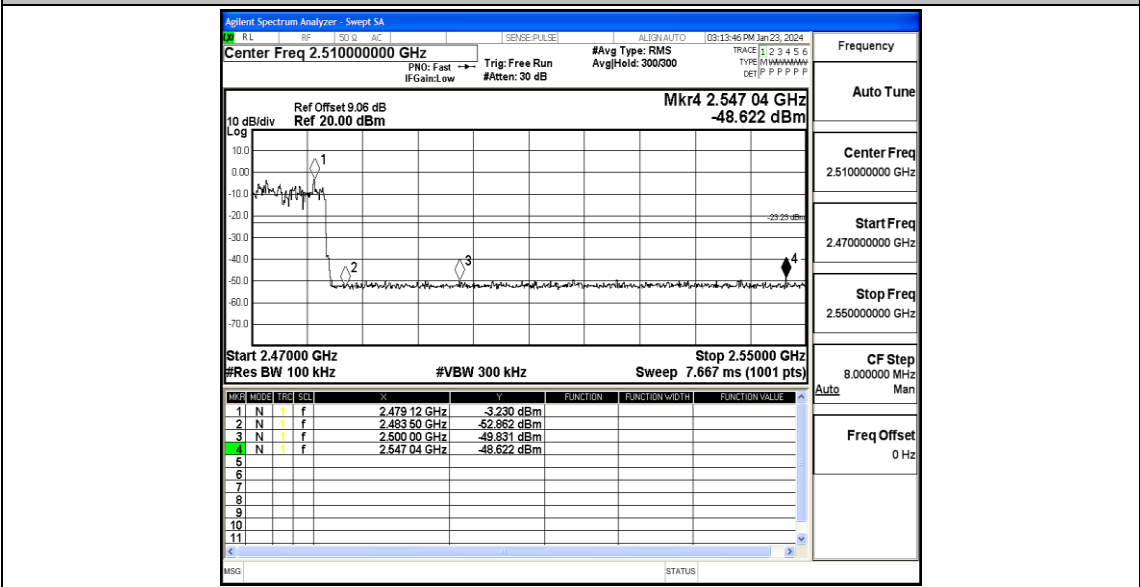
2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop\_2402



2DH5\_Ant1\_High\_Hop\_2480

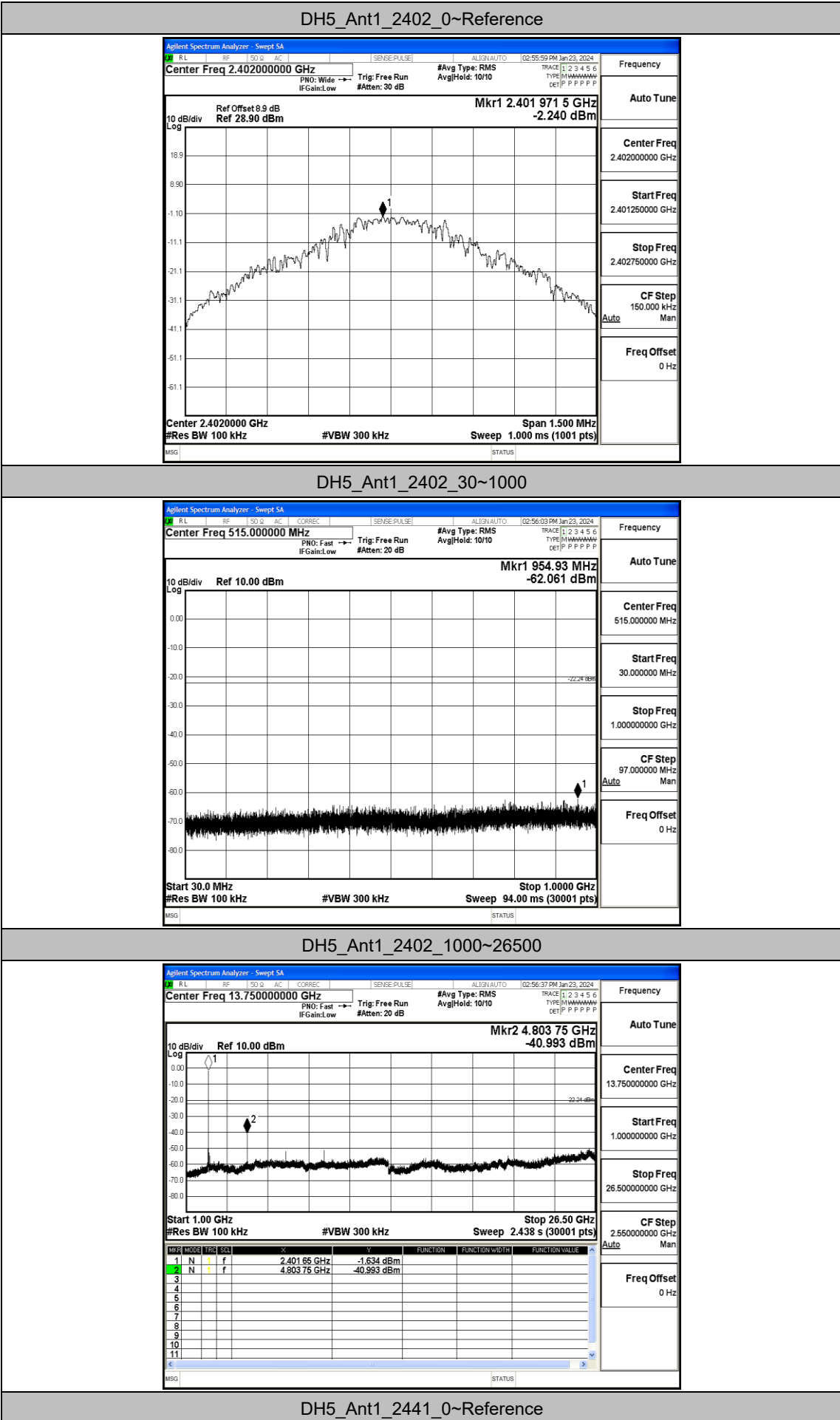


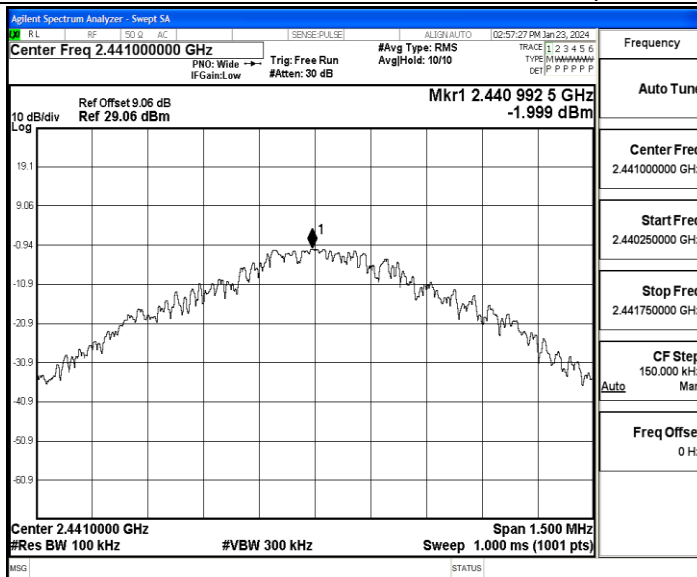
## Appendix H: Conducted Spurious Emission

### Test Result

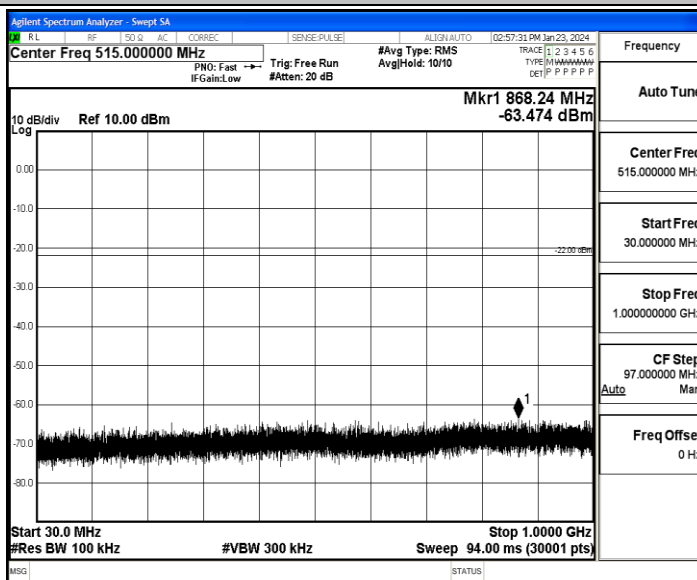
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.24	-2.24	---	PASS
			30~1000	-2.24	-62.06	≤-22.24	PASS
			1000~26500	-2.24	-40.99	≤-22.24	PASS
		2441	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-63.47	≤-22	PASS
			1000~26500	-2.00	-39.8	≤-22	PASS
		2480	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-62.98	≤-22.46	PASS
			1000~26500	-2.46	-39.52	≤-22.46	PASS
2DH5	Ant1	2402	Reference	-4.57	-4.57	---	PASS
			30~1000	-4.57	-62.43	≤-24.57	PASS
			1000~26500	-4.57	-41.47	≤-24.57	PASS
		2441	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-62.95	≤-22.95	PASS
			1000~26500	-2.95	-41.2	≤-22.95	PASS
		2480	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-63.09	≤-23.16	PASS
			1000~26500	-3.16	-41.15	≤-23.16	PASS

Test Graphs

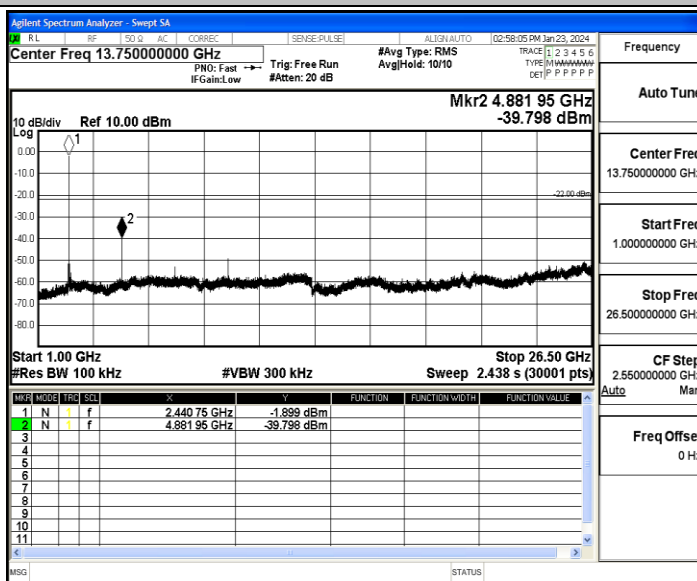




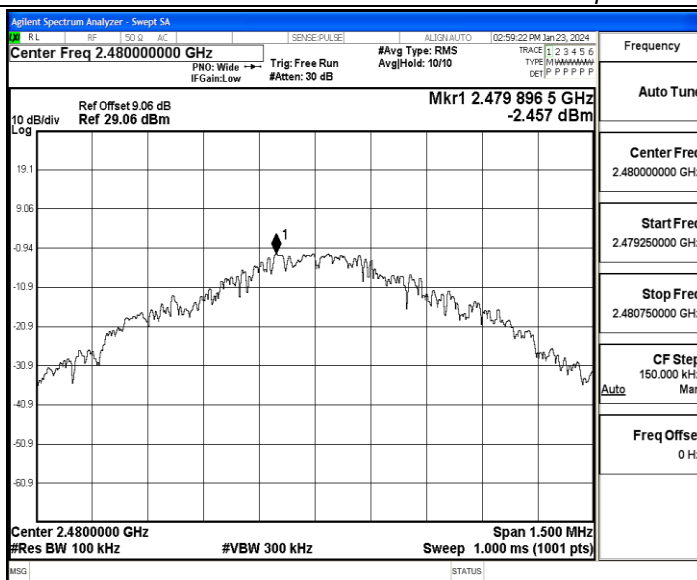
DH5\_Ant1\_2441\_30~1000



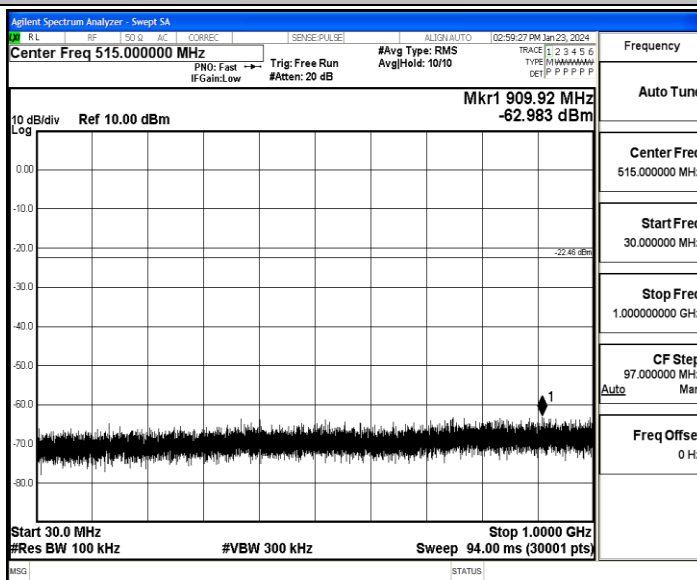
DH5\_Ant1\_2441\_1000~26500



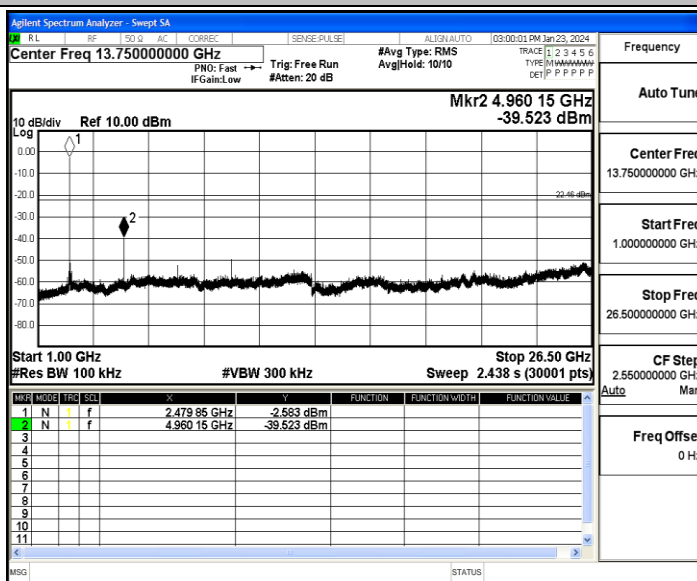
DH5\_Ant1\_2480\_0~Reference



DH5\_Ant1\_2480\_30~1000

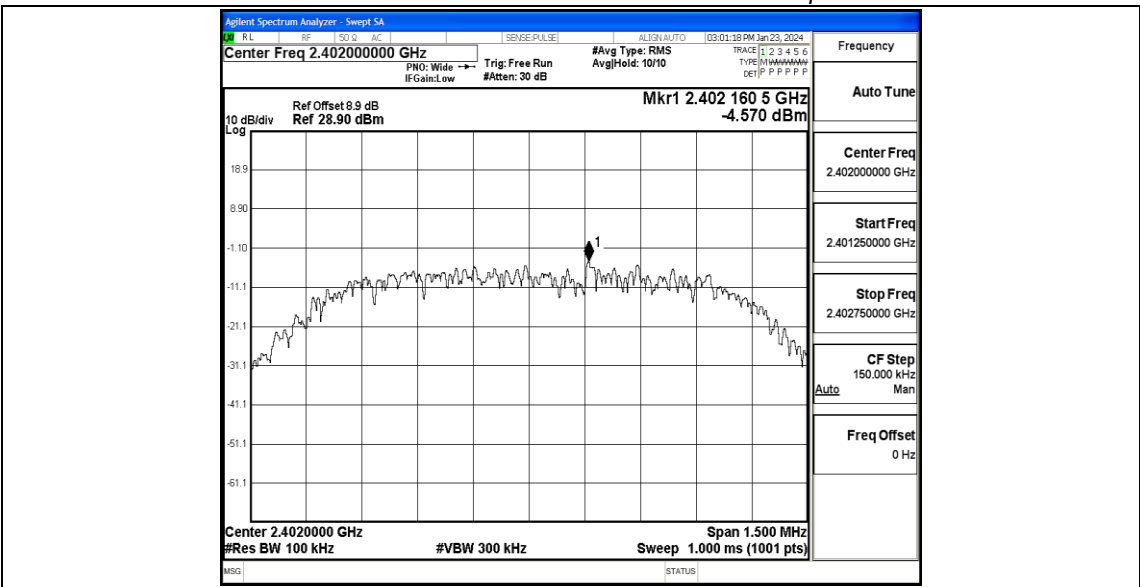


DH5\_Ant1\_2480\_1000~26500

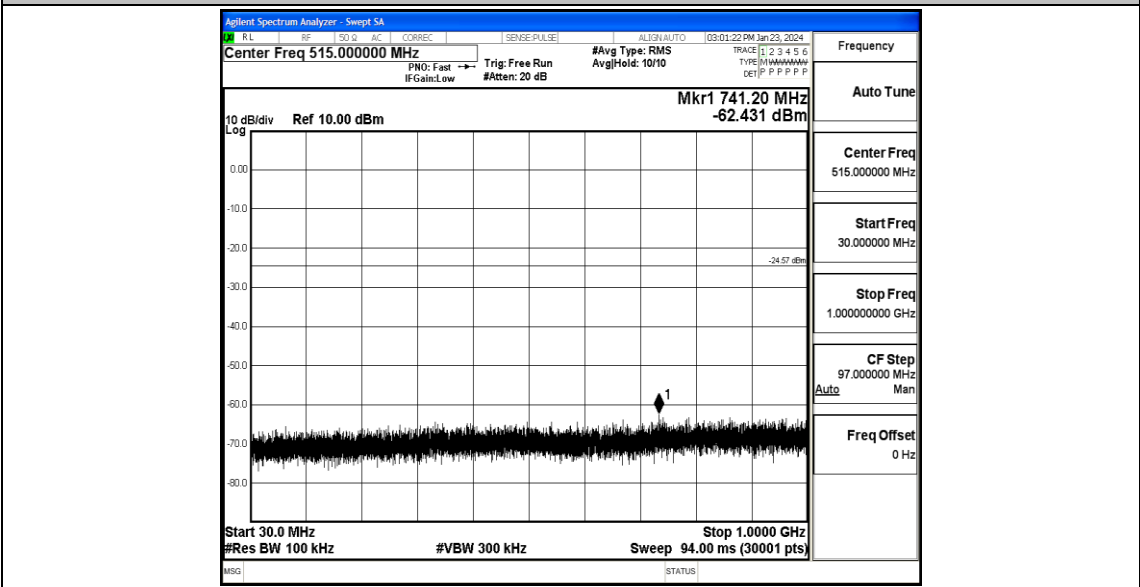


2DH5\_Ant1\_2402\_0~Reference

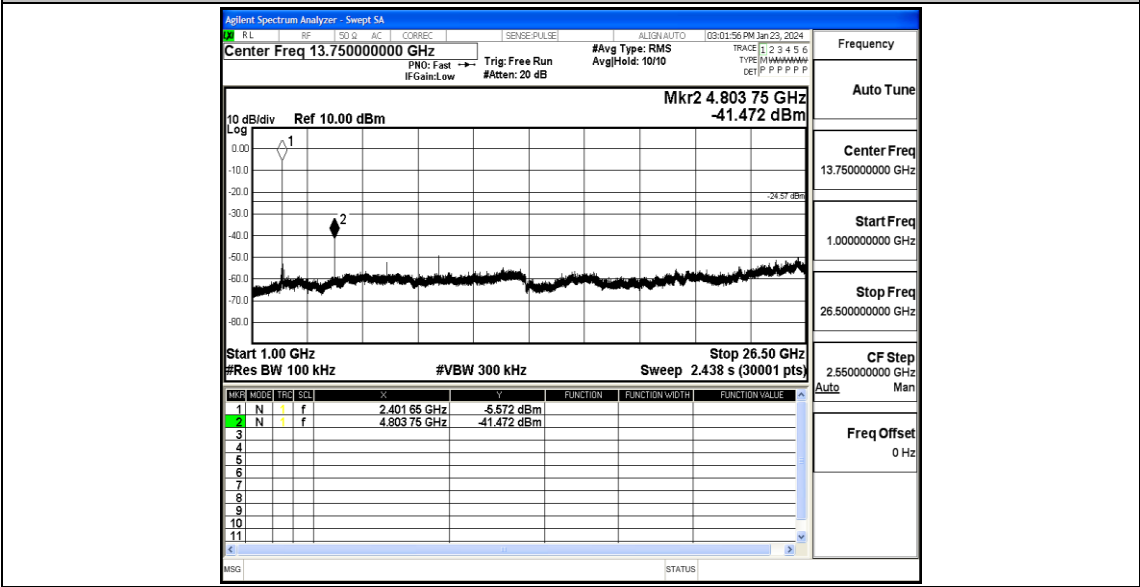




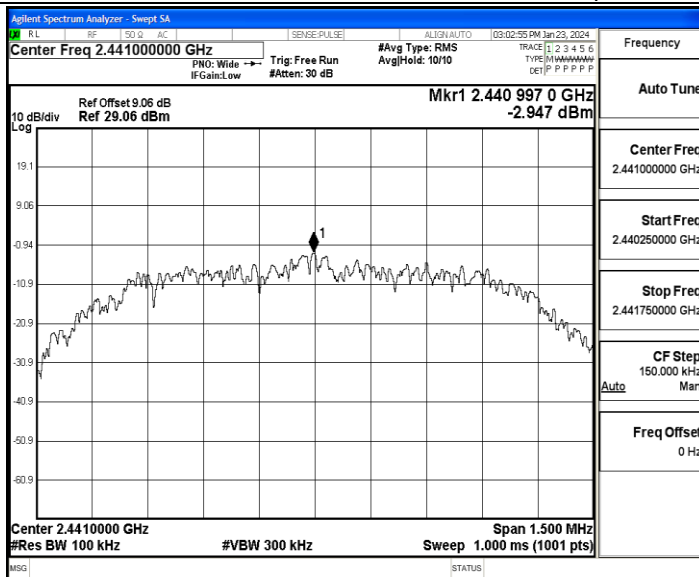
2DH5\_Ant1\_2402\_30~1000



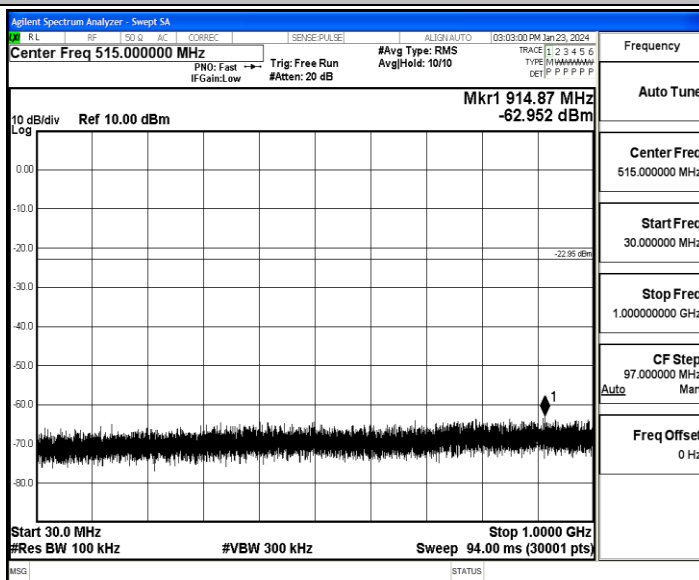
2DH5\_Ant1\_2402\_1000~26500



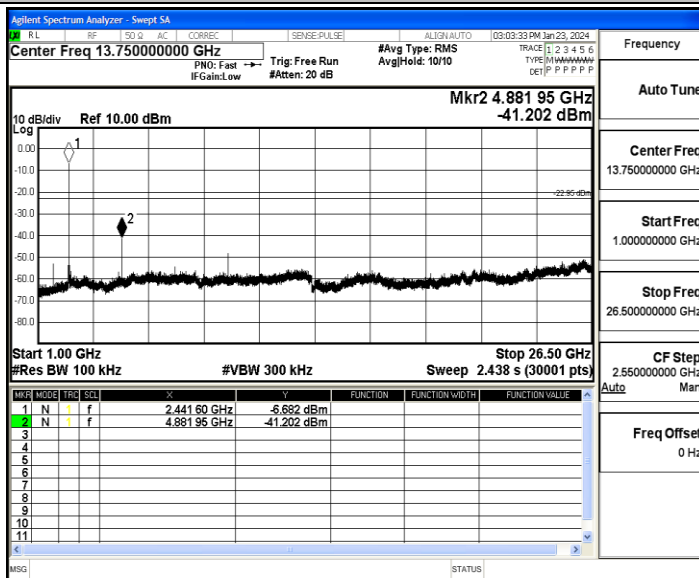
2DH5\_Ant1\_2441\_0~Reference



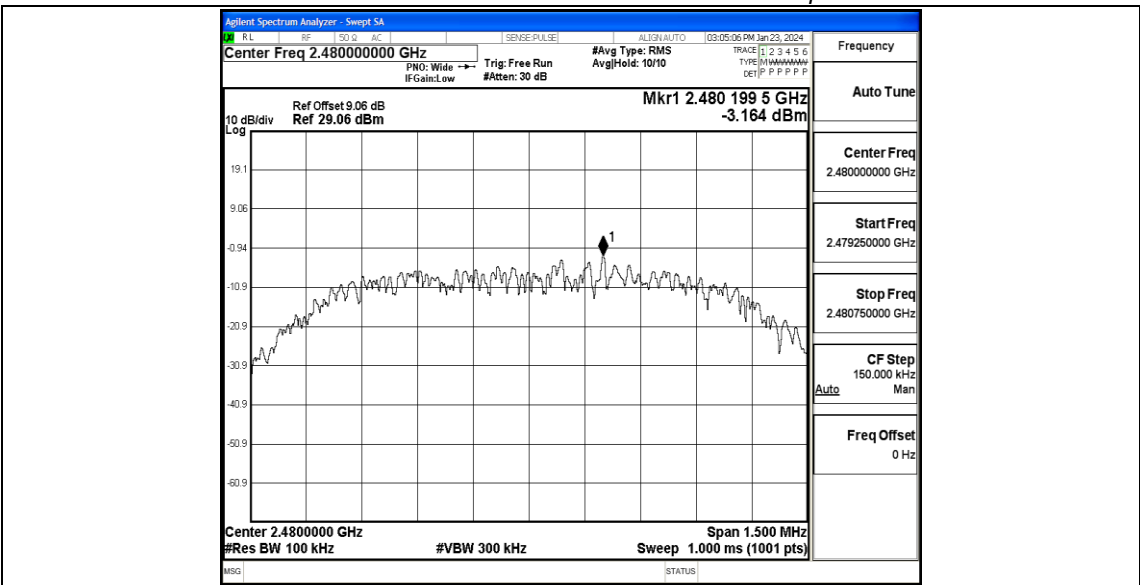
2DH5\_Ant1\_2441\_30~1000



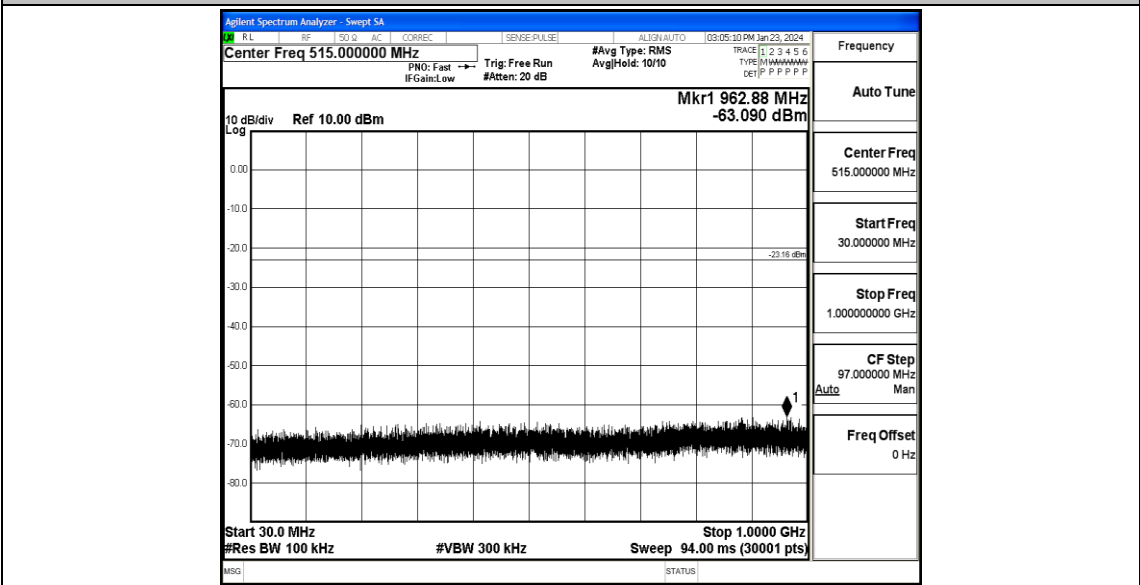
2DH5\_Ant1\_2441\_1000~26500



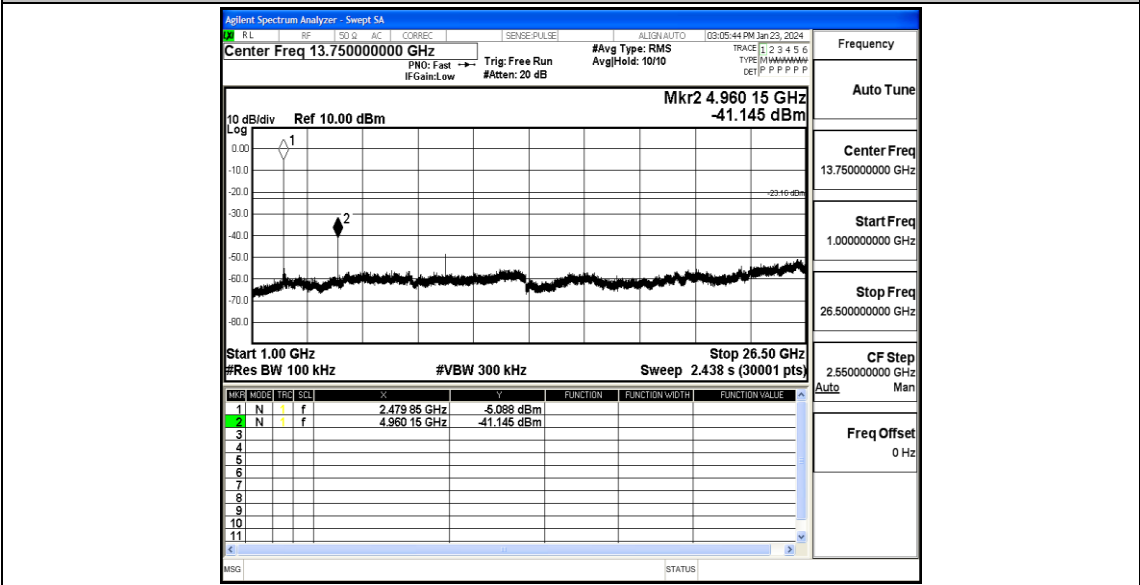
2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000



2DH5\_Ant1\_2480\_1000~26500

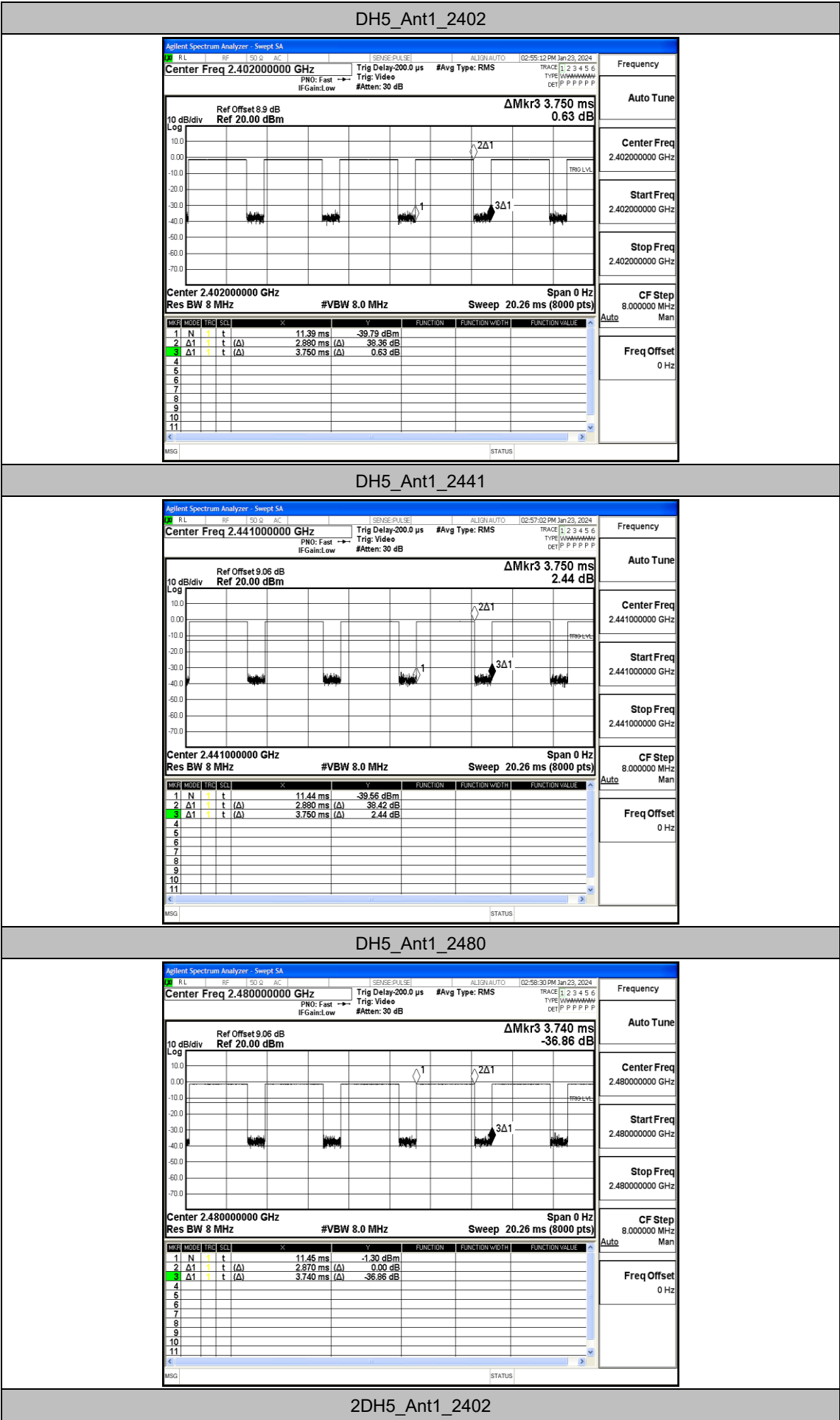


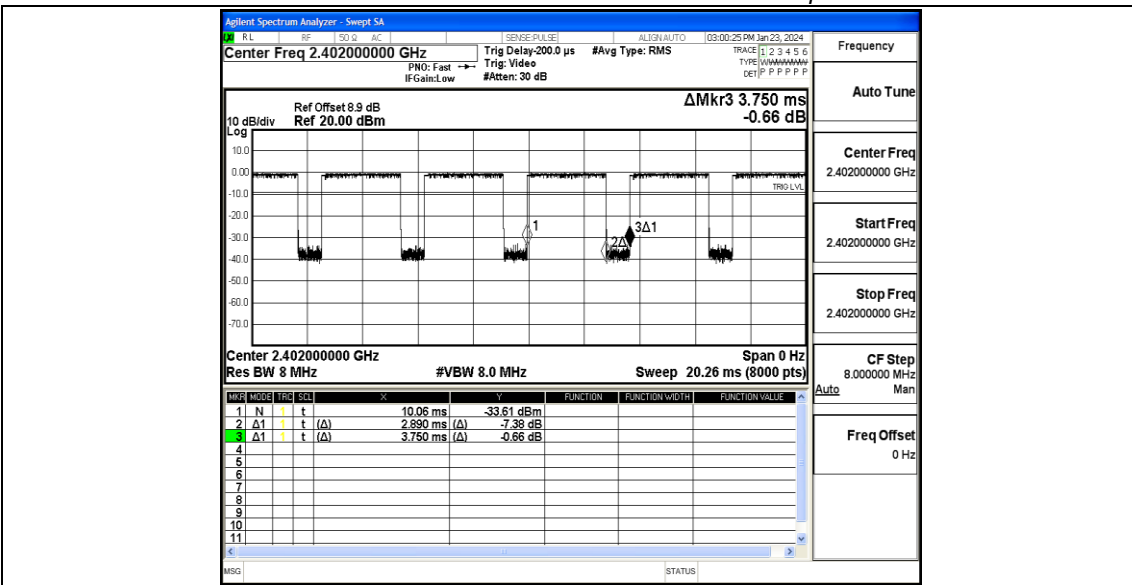
## Appendix I: Duty Cycle

### Test Result

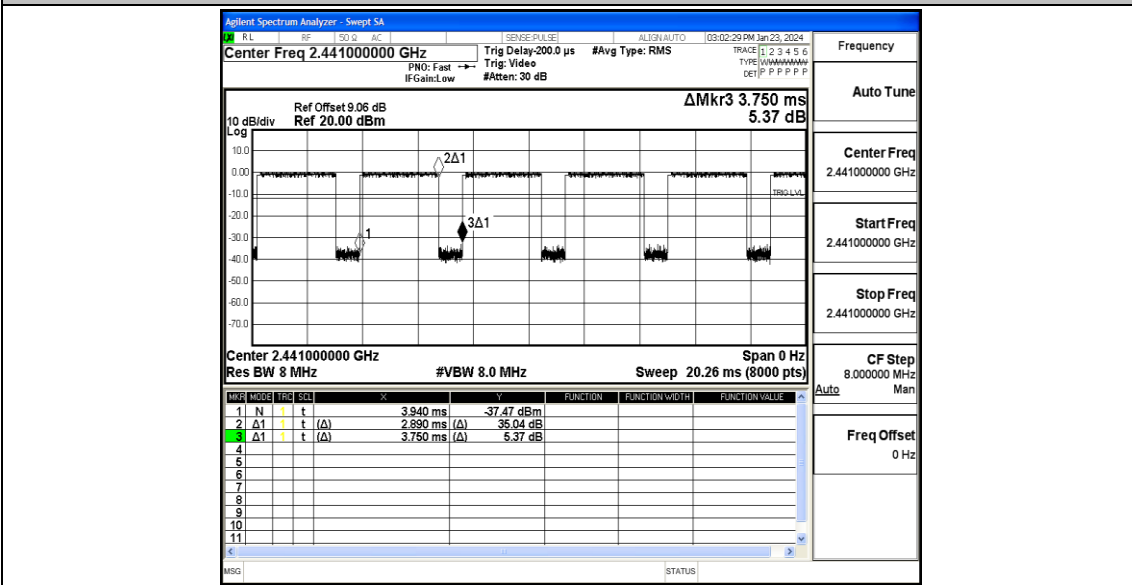
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.88	3.75	76.80	0.35
		2441	2.88	3.75	76.80	0.35
		2480	2.87	3.74	76.74	0.35
2DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.88	3.75	76.80	0.35

Test Graphs

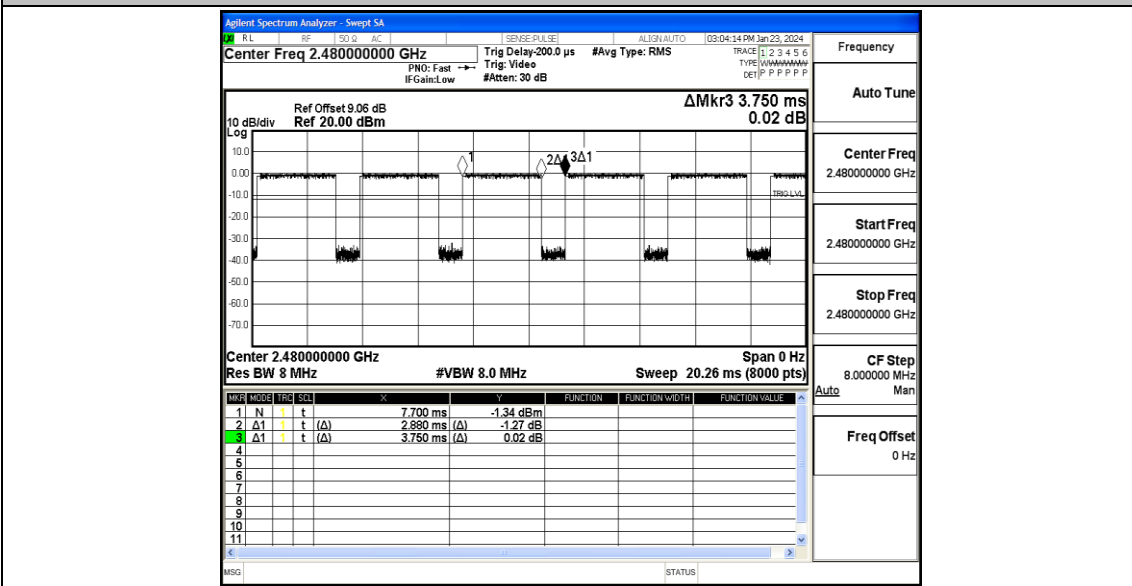




2DH5\_Ant1\_2441



2DH5\_Ant1\_2480



## Appendix J: Emissions in Restricted Bands

### Test Result

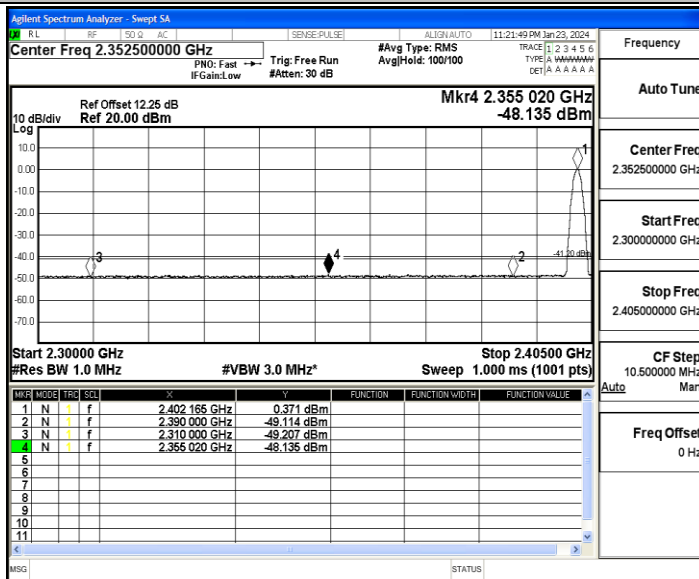
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.21	≤-41.20	PASS
				AV	2355.020	-48.13	≤-41.20	PASS
				AV	2390.000	-49.11	≤-41.20	PASS
				Peak	2310.000	-43.16	≤-21.20	PASS
				Peak	2335.700	-39.06	≤-21.20	PASS
				Peak	2390.000	-42.36	≤-21.20	PASS
		High	2480	AV	2483.500	-48.51	≤-41.20	PASS
				AV	2491.200	-47.51	≤-41.20	PASS
				AV	2500.000	-48.42	≤-41.20	PASS
				Peak	2483.500	-40.35	≤-21.20	PASS
				Peak	2499.440	-38.99	≤-21.20	PASS
				Peak	2500.000	-41.64	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.44	≤-41.20	PASS
				AV	2359.535	-48.1	≤-41.20	PASS
				AV	2390.000	-48.63	≤-41.20	PASS
				Peak	2310.000	-41.52	≤-21.20	PASS
				Peak	2375.285	-39.1	≤-21.20	PASS
				Peak	2390.000	-42.35	≤-21.20	PASS
		High	2480	AV	2483.500	-48.84	≤-41.20	PASS
				AV	2491.920	-47.38	≤-41.20	PASS
				AV	2500.000	-48.48	≤-41.20	PASS
				Peak	2483.500	-42.13	≤-21.20	PASS
				Peak	2486.080	-38.95	≤-21.20	PASS
				Peak	2500.000	-41.56	≤-21.20	PASS

#### Note:

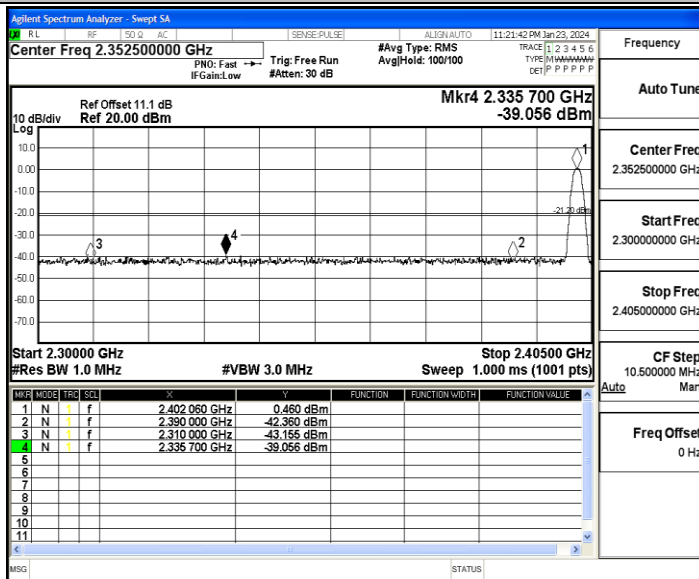
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

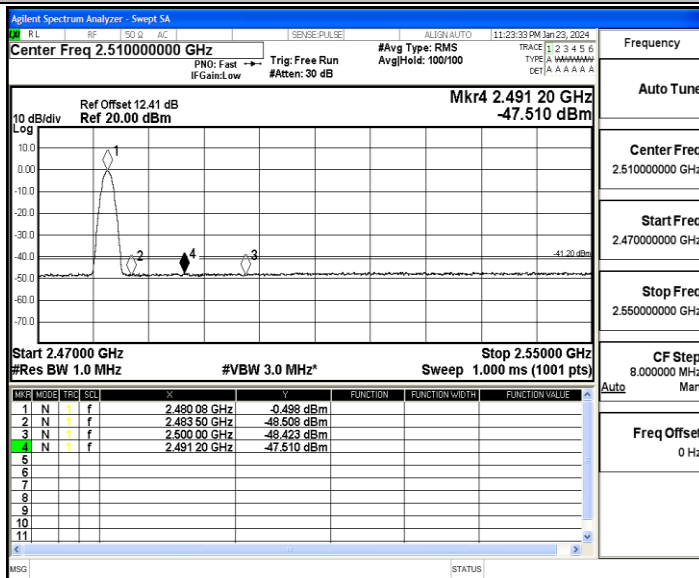
DH5\_Ant1\_Low\_2402\_AV



DH5\_Ant1\_Low\_2402\_Peak

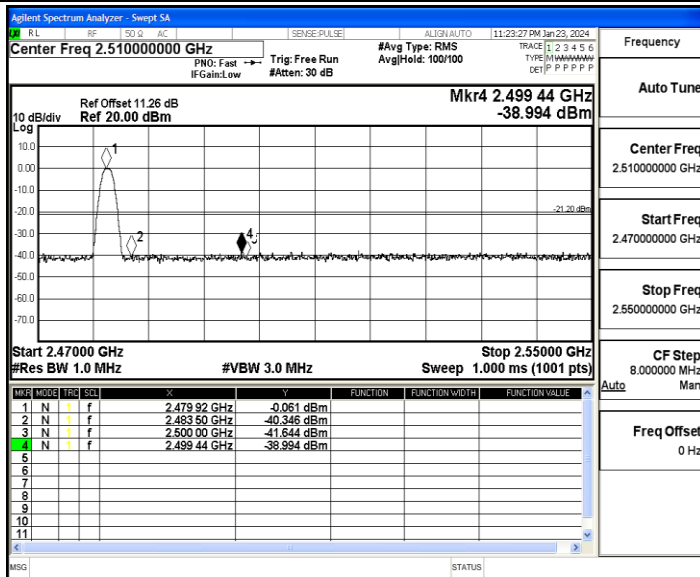


DH5\_Ant1\_High\_2480\_AV

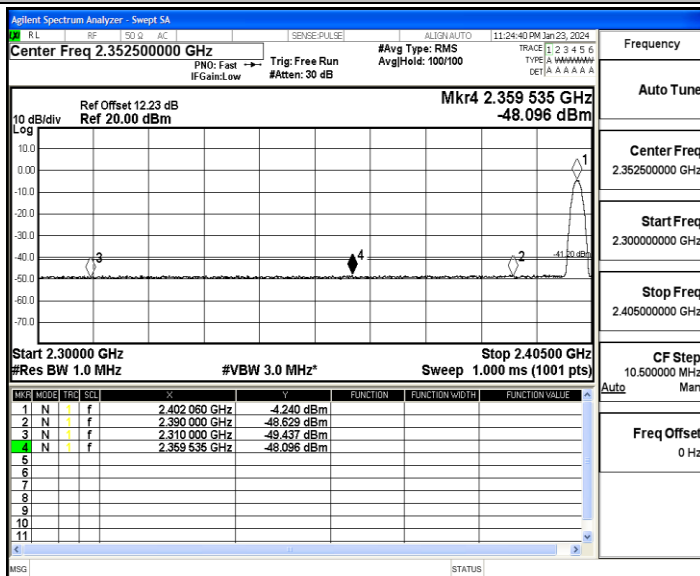




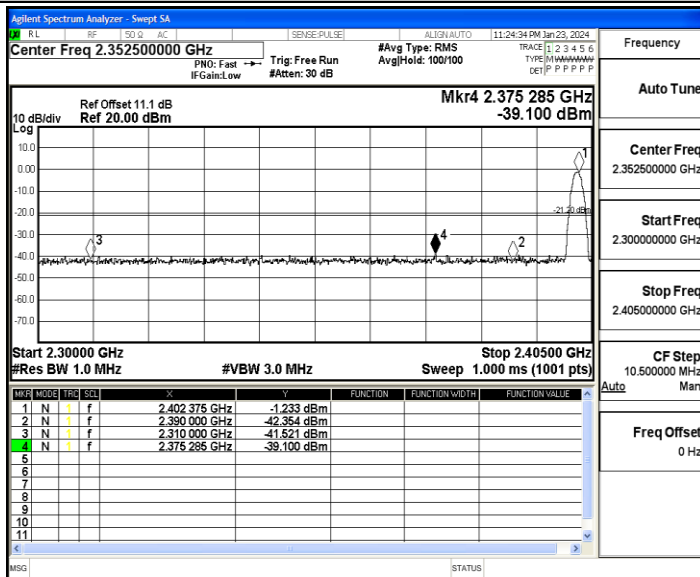
DH5\_Ant1\_High\_2480\_Peak



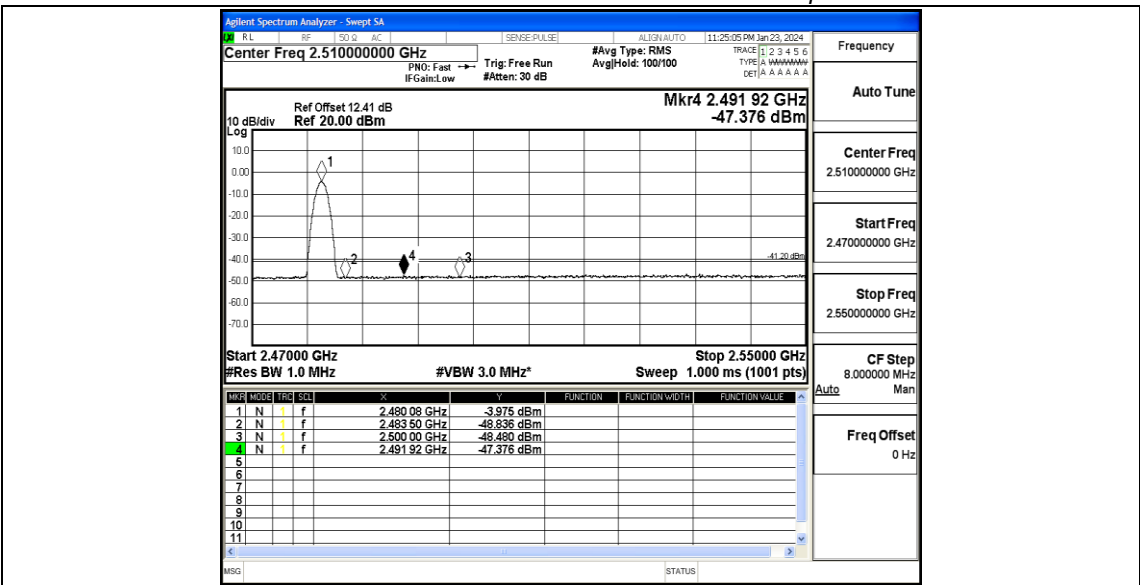
2DH5\_Ant1\_Low\_2402\_AV



2DH5\_Ant1\_Low\_2402\_Peak



2DH5\_Ant1\_High\_2480\_AV



2DH5\_Ant1\_High\_2480\_Peak

