

## Appendix A

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

**Product Name: Stereo 2-in-1 audio adapter**

**Trade Mark: N/A**

**Test Model: T14**

**FCC ID: 2A4WAT14**

### Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

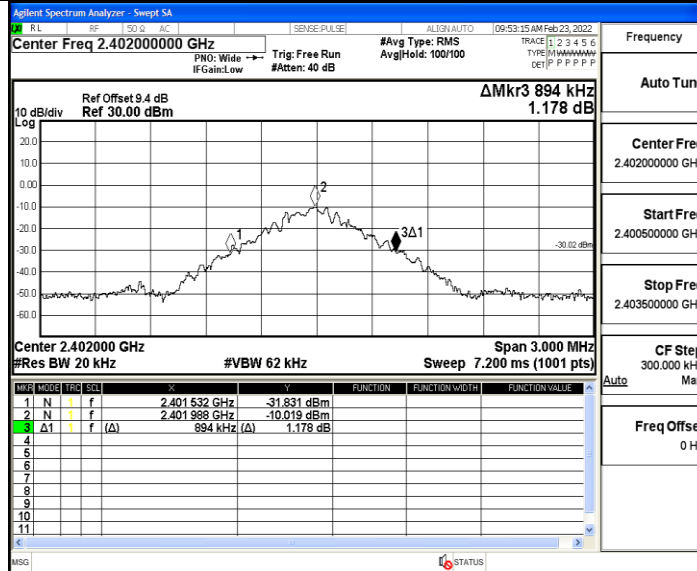
## Appendix A: 20dB Emission Bandwidth

### Test Result

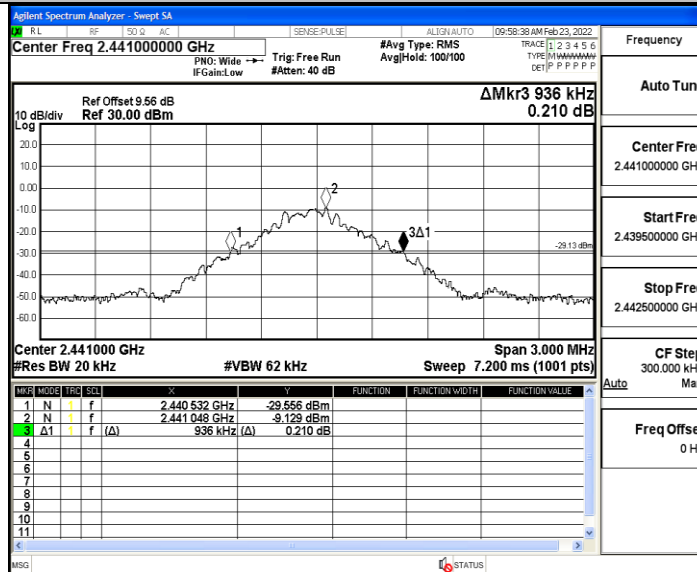
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.894	2401.532	2402.426	---	PASS
		2441	0.936	2440.532	2441.468	---	PASS
		2480	0.942	2479.532	2480.474	---	PASS
2DH5	Ant1	2402	1.359	2401.316	2402.675	---	PASS
		2441	1.269	2440.358	2441.627	---	PASS
		2480	1.311	2479.334	2480.645	---	PASS

Test Graphs

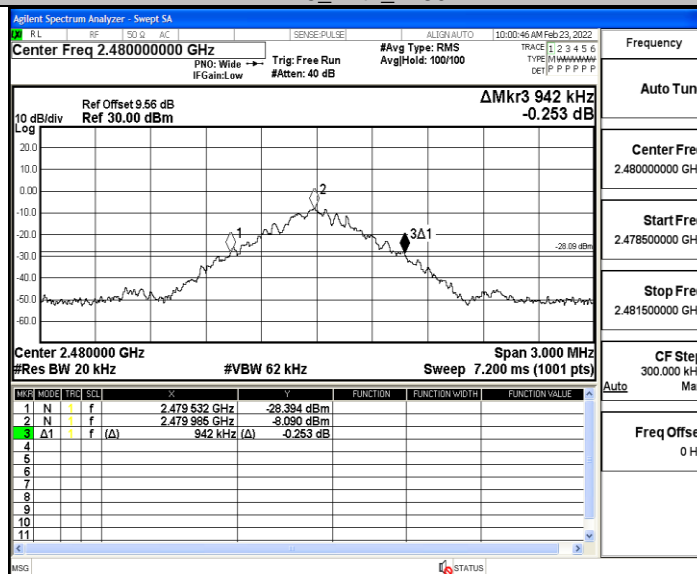
DH5\_Ant1\_2402



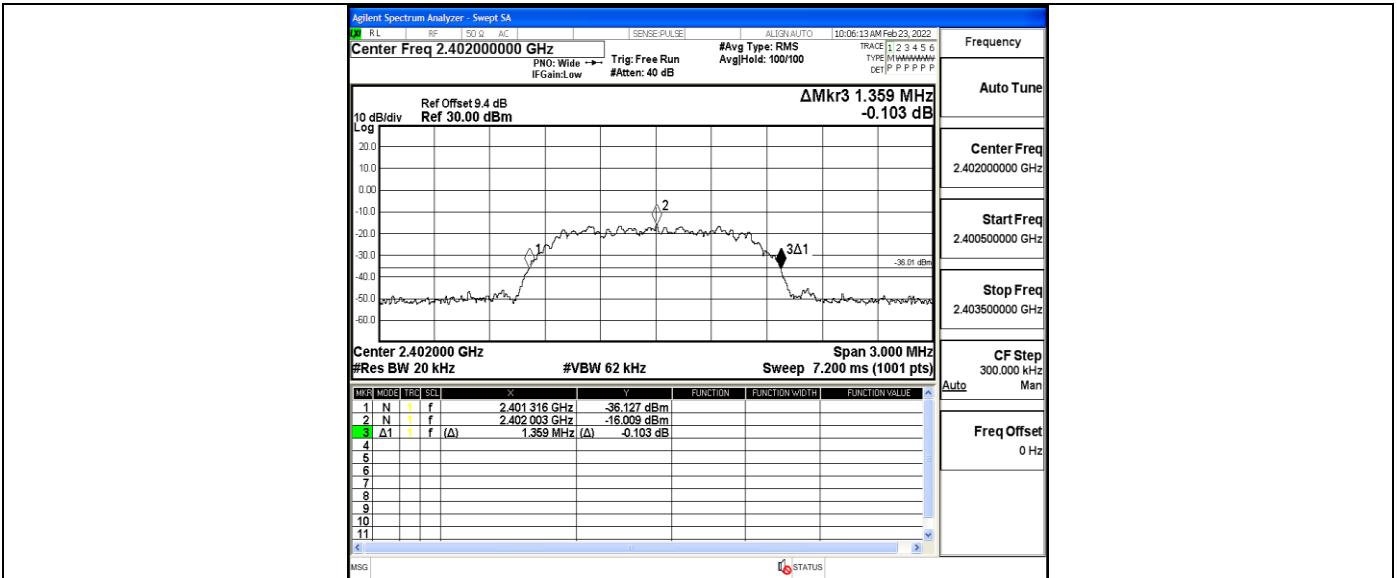
DH5\_Ant1\_2441



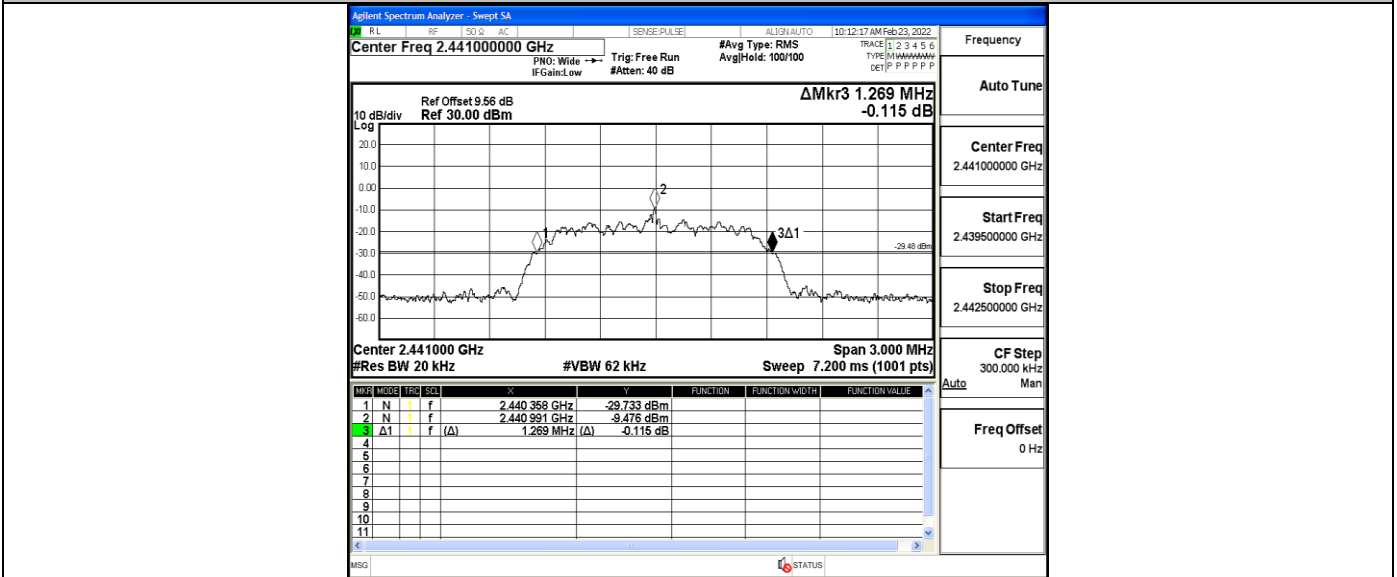
DH5\_Ant1\_2480



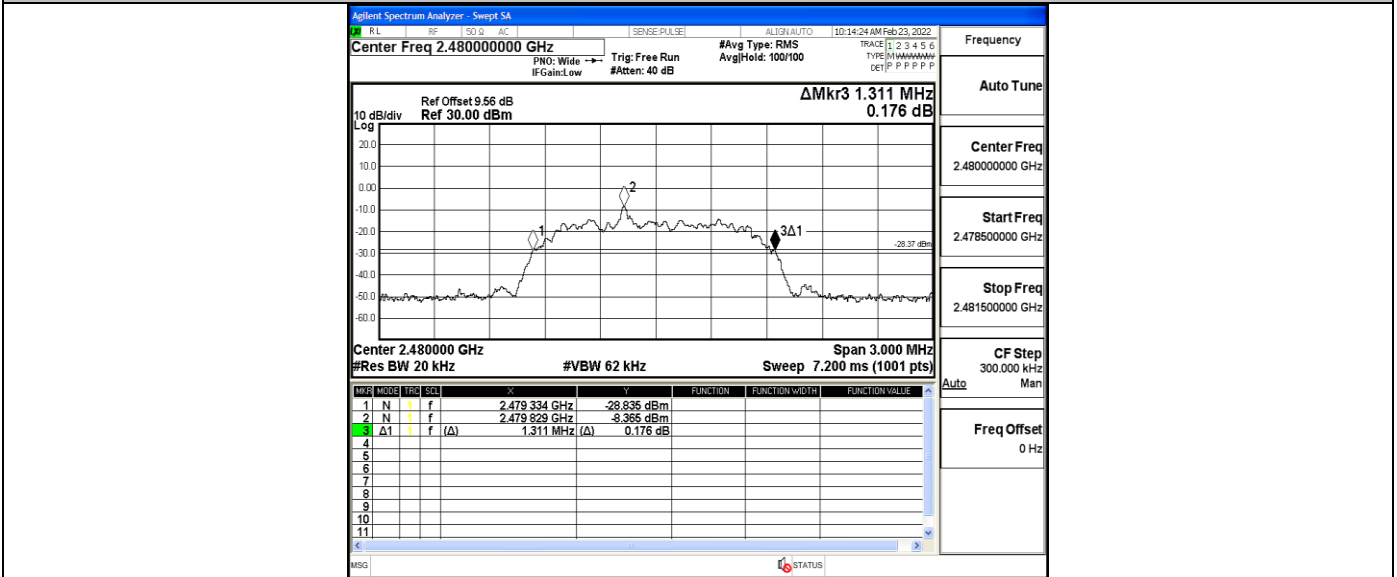
2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



2DH5\_Ant1\_2480



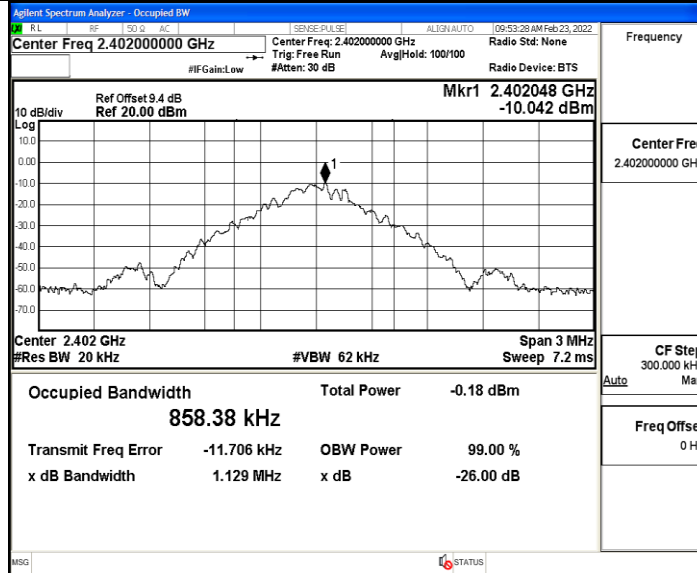
## Appendix B: Occupied Channel Bandwidth

### Test Result

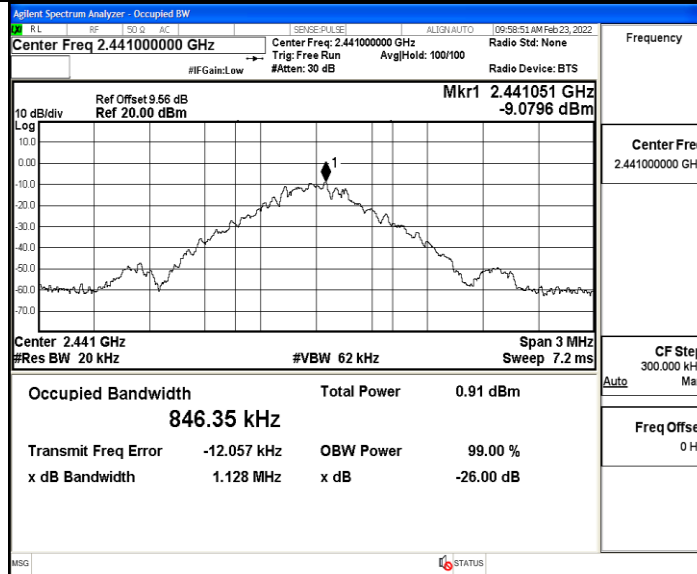
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85838	2401.559	2402.417	---	PASS
		2441	0.84635	2440.565	2441.411	---	PASS
		2480	0.85478	2479.559	2480.414	---	PASS
2DH5	Ant1	2402	1.1796	2401.399	2402.579	---	PASS
		2441	1.1795	2440.399	2441.579	---	PASS
		2480	1.1791	2479.400	2480.579	---	PASS

Test Graphs

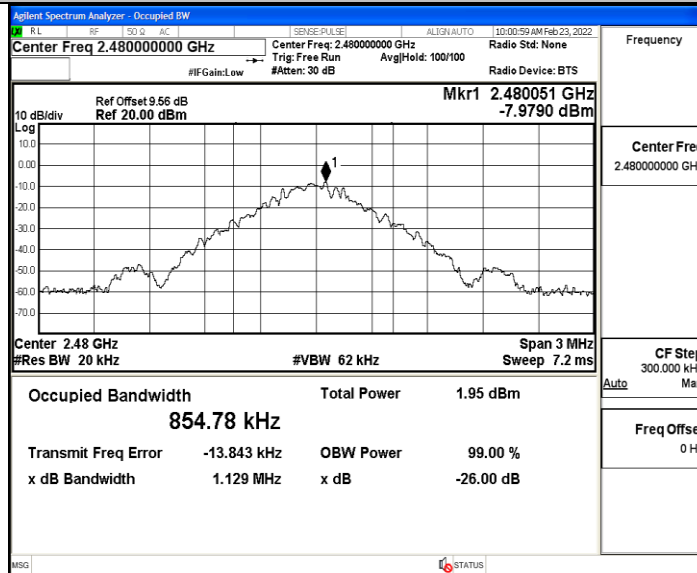
DH5\_Ant1\_2402



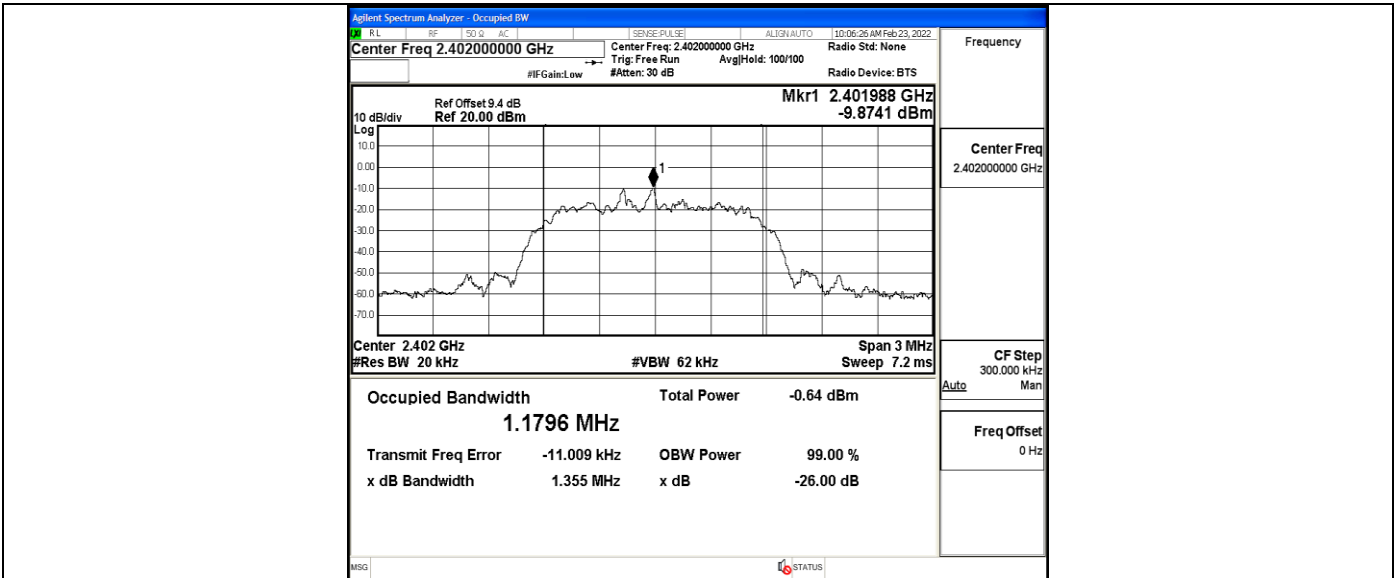
DH5\_Ant1\_2441



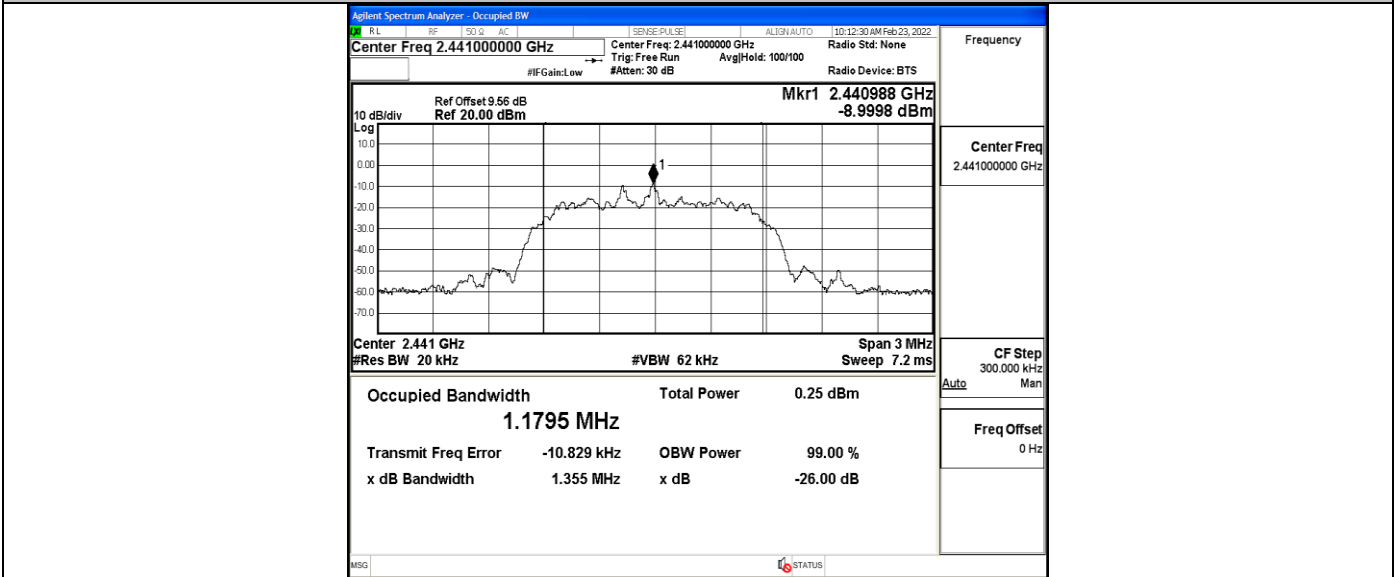
DH5\_Ant1\_2480



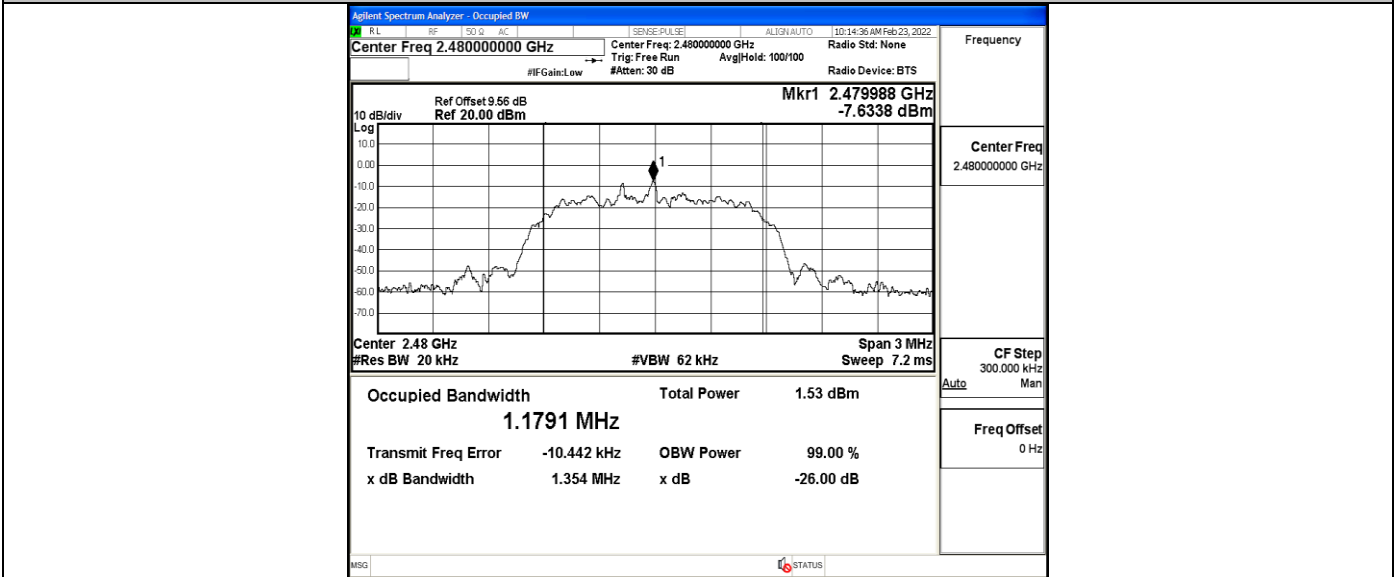
2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



2DH5\_Ant1\_2480



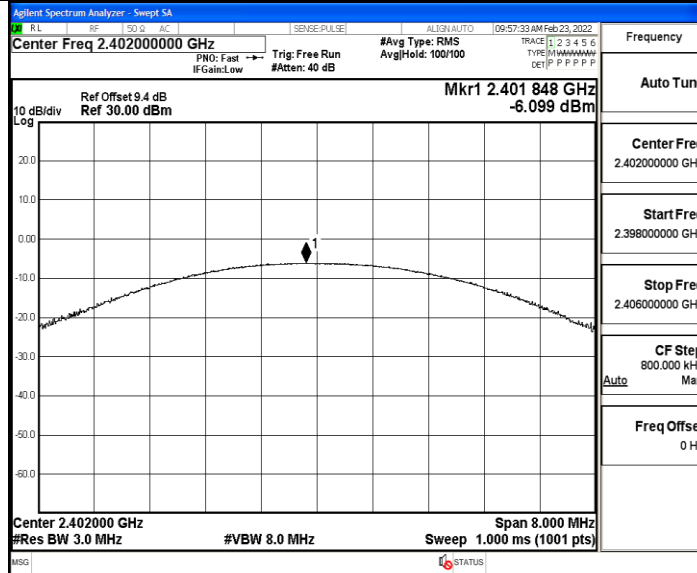
## Appendix C: Maximum conducted output power

### Test Result

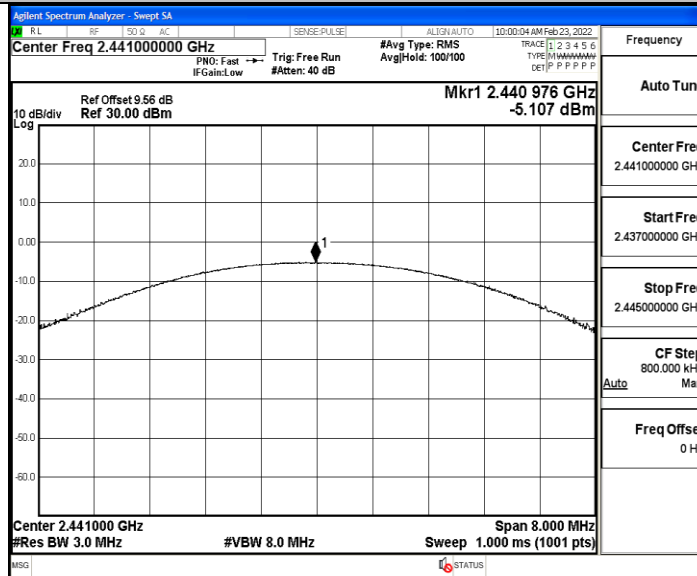
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-6.1	<=30.00	PASS
		2441	-5.11	<=30.00	PASS
		2480	-4.04	<=30.00	PASS
2DH5	Ant1	2402	-5.31	<=20.97	PASS
		2441	-4.38	<=20.97	PASS
		2480	-3.36	<=20.97	PASS

### Test Graphs

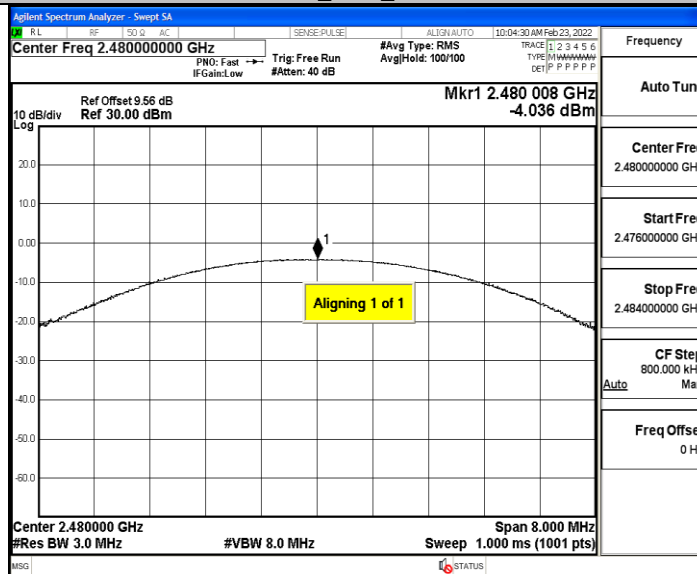
DH5\_Ant1\_2402



DH5\_Ant1\_2441

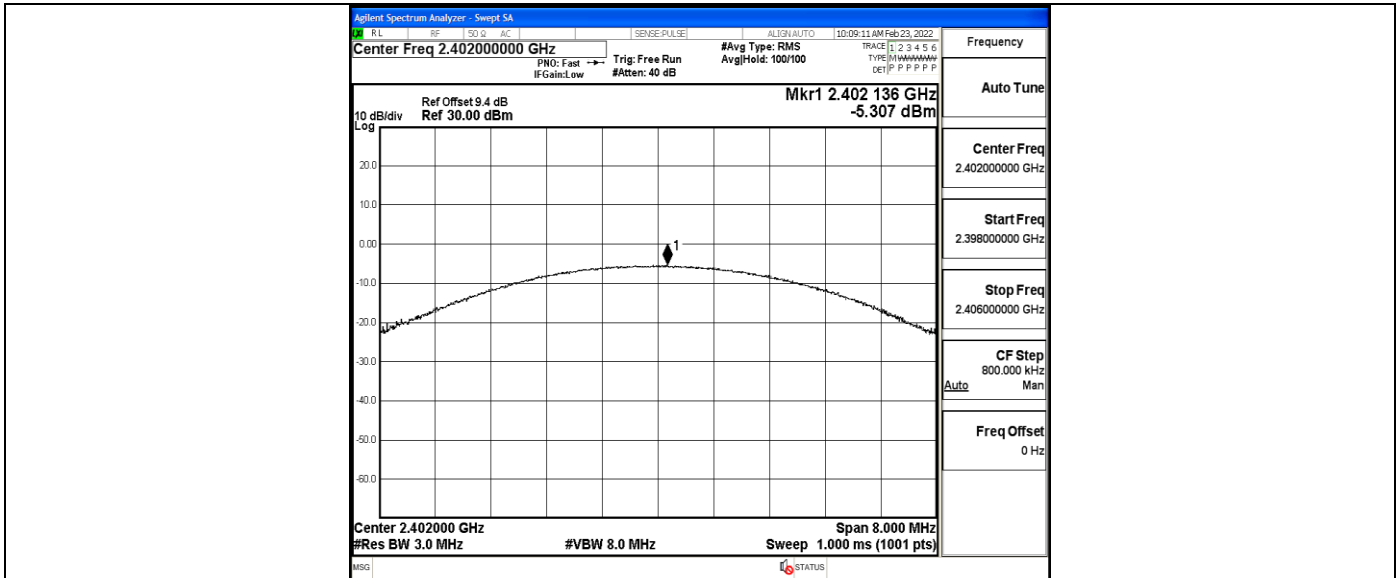


DH5\_Ant1\_2480

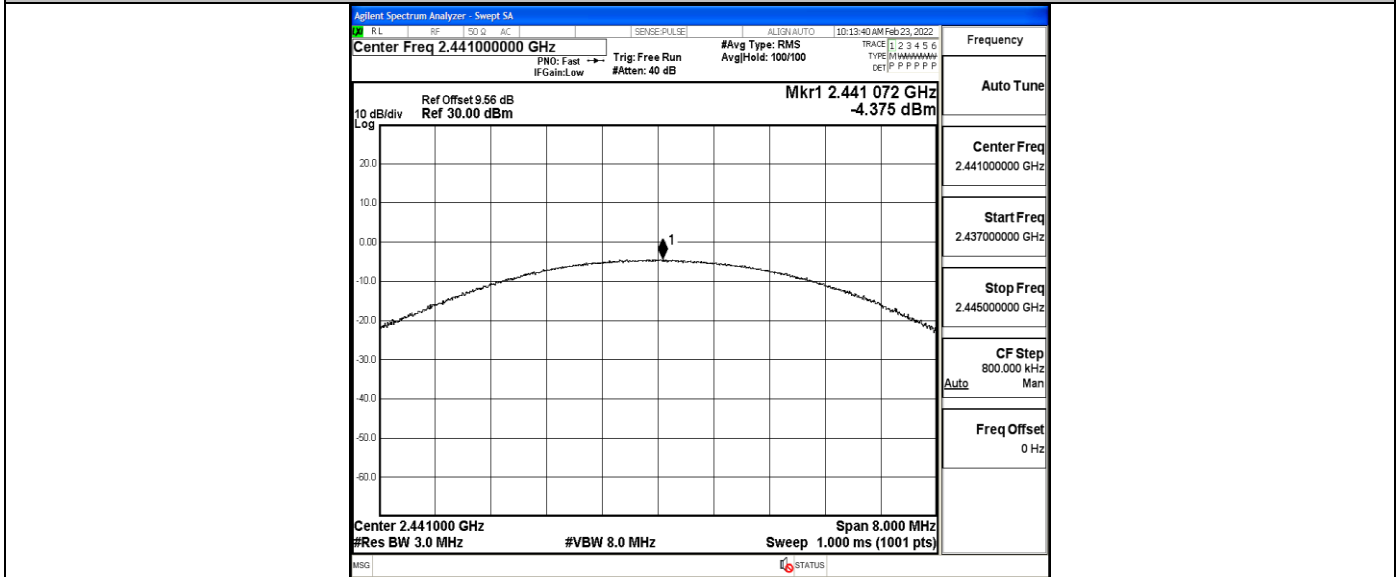


2DH5\_Ant1\_2402

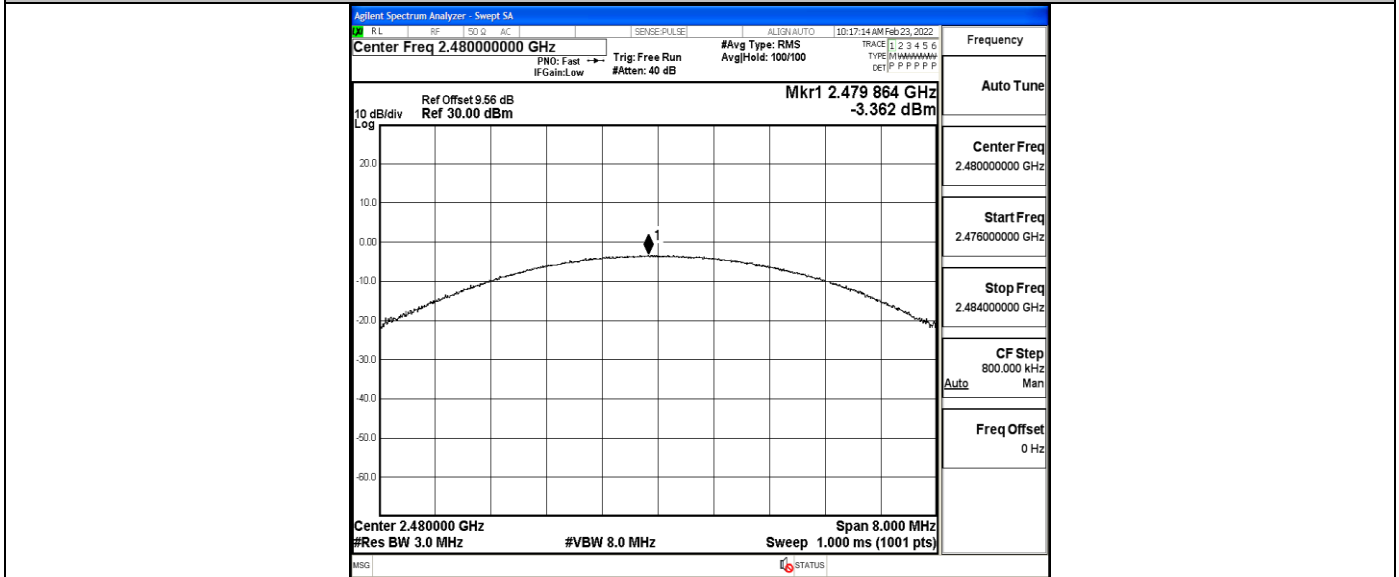




2DH5\_Ant1\_2441



2DH5\_Ant1\_2480

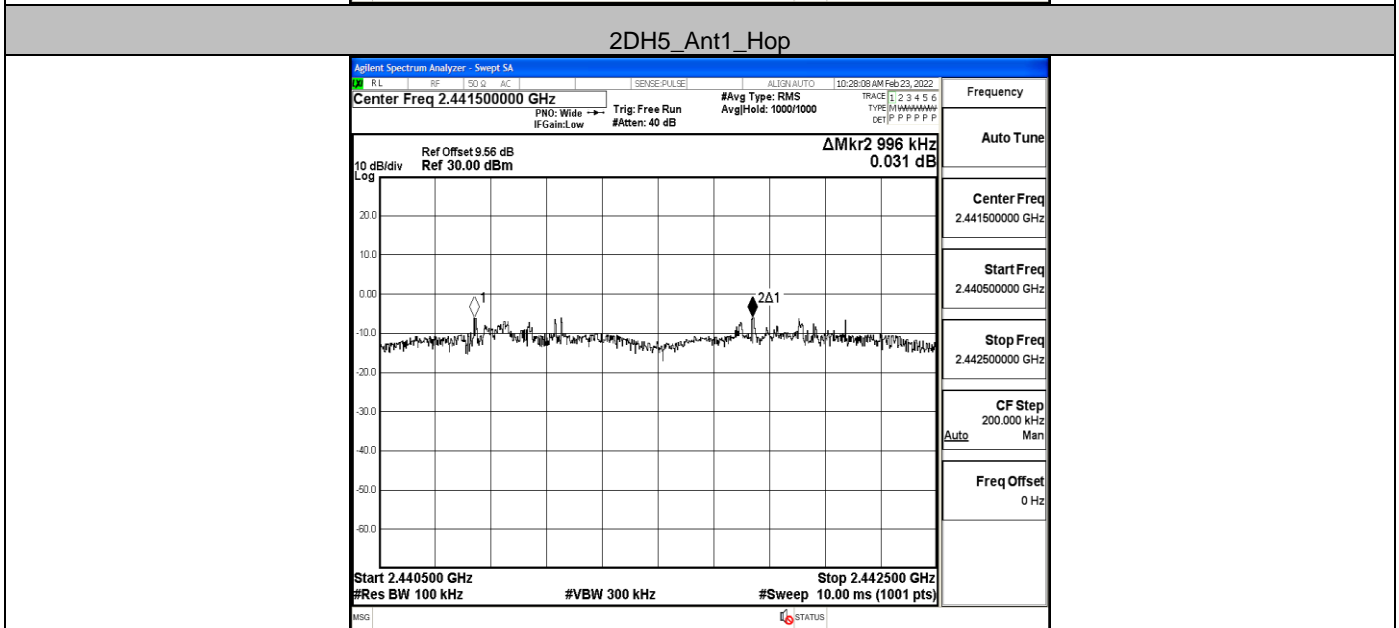
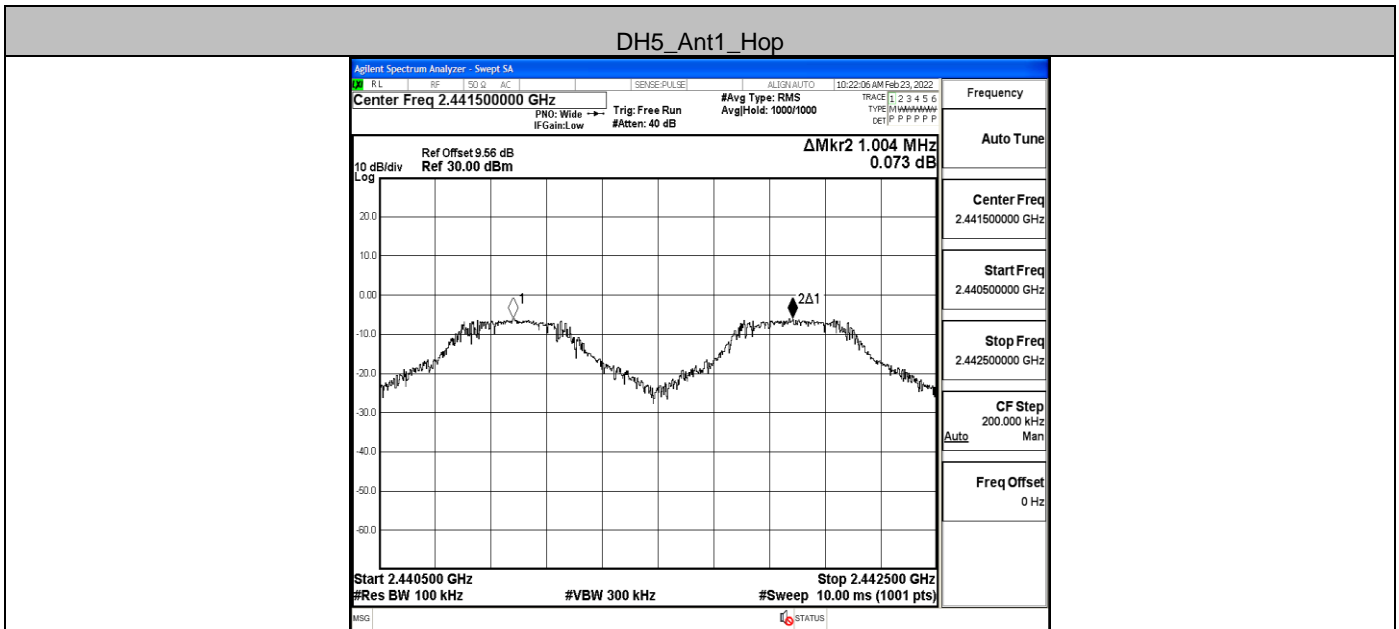


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	$\geq 0.942$	PASS
2DH5	Ant1	Hop	0.996	$\geq 0.906$	PASS

### Test Graphs

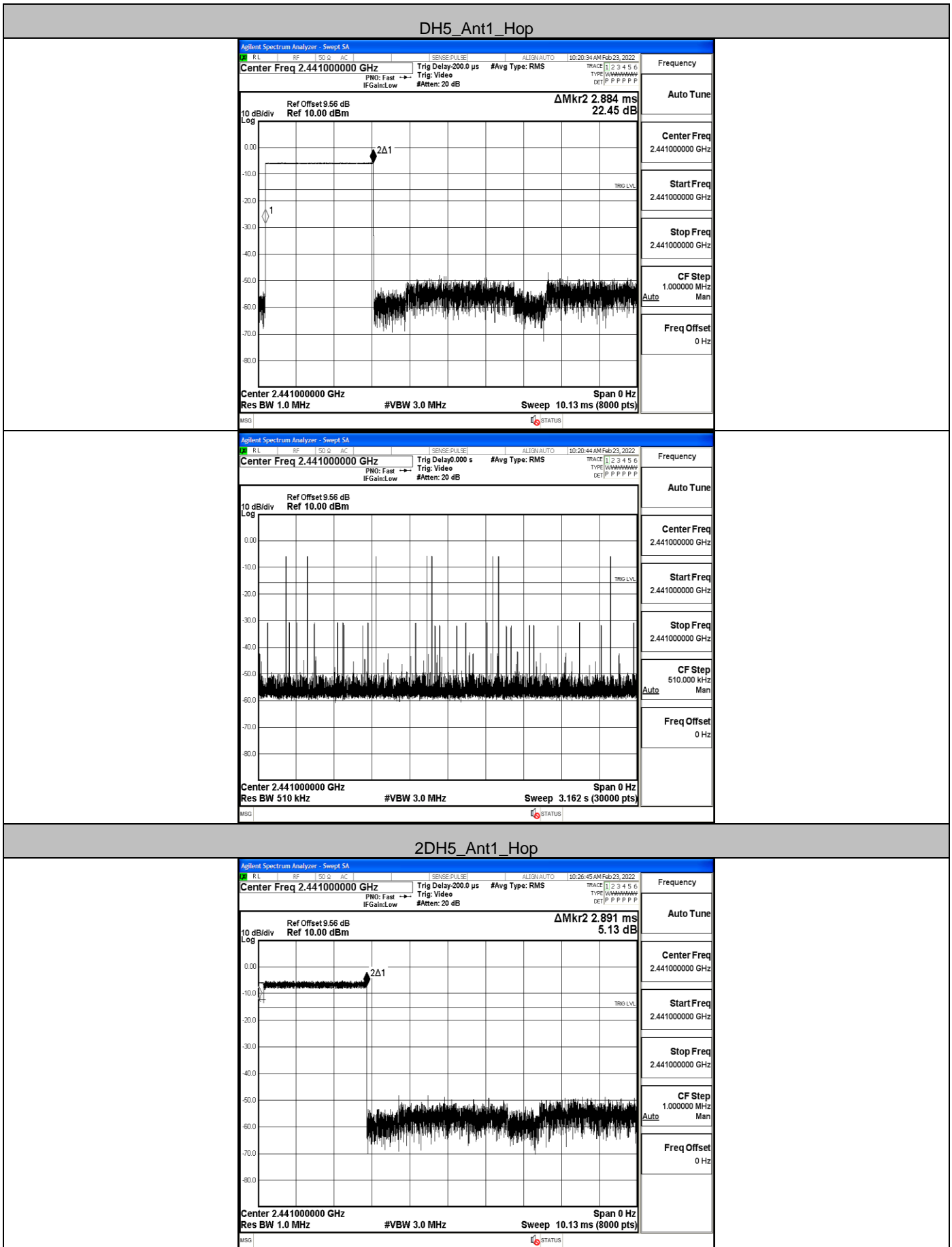


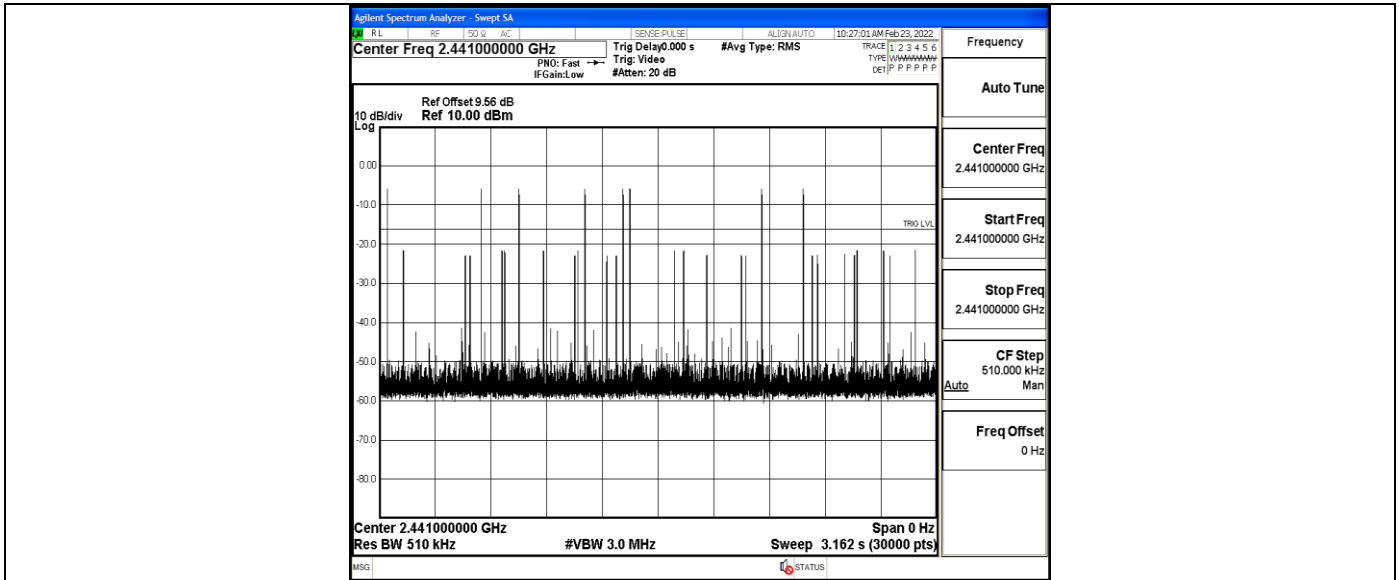
## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	90	0.26	<=0.4	PASS
2DH5	Ant1	Hop	2.89	100	0.289	<=0.4	PASS

### Test Graphs



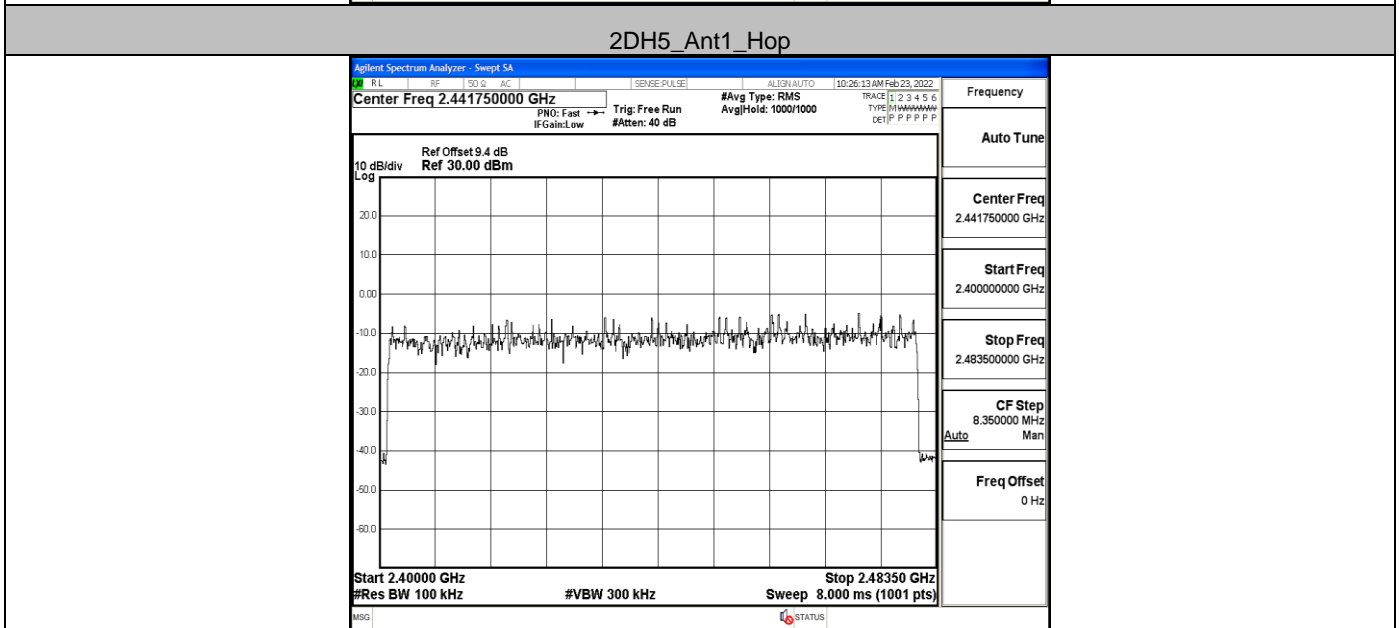
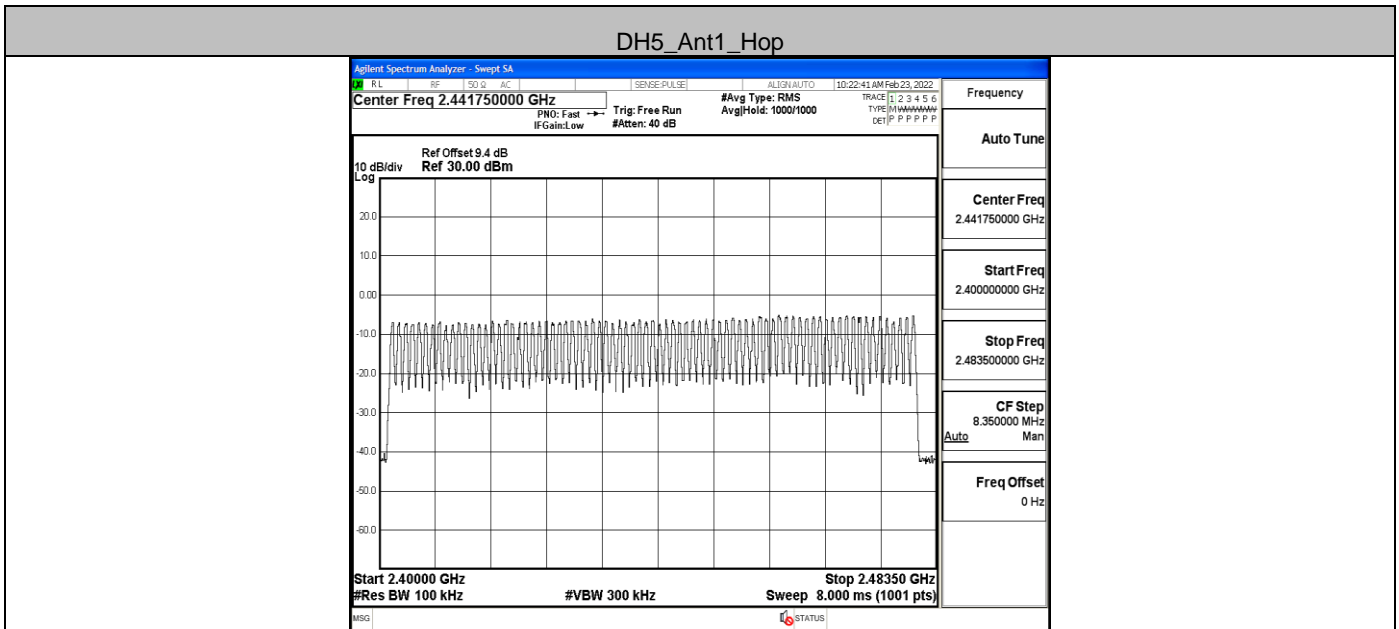


## Appendix F: Number of hopping channels

### Test Result

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

### Test Graphs





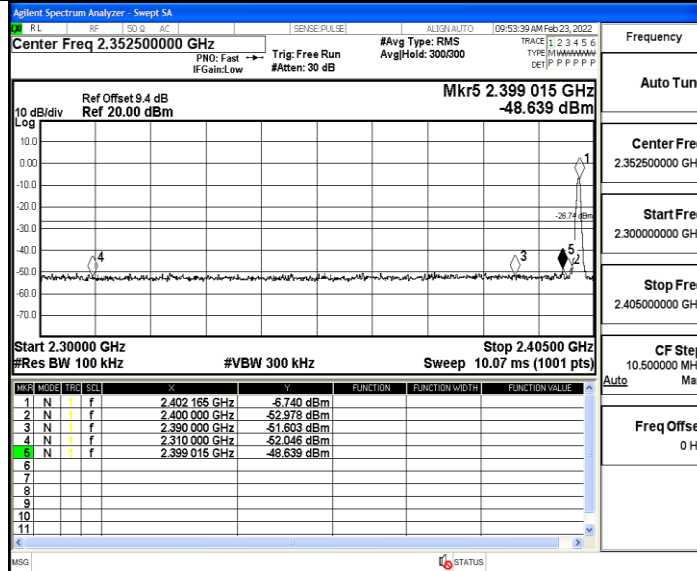
## Appendix G: Band edge measurements

### Test Result

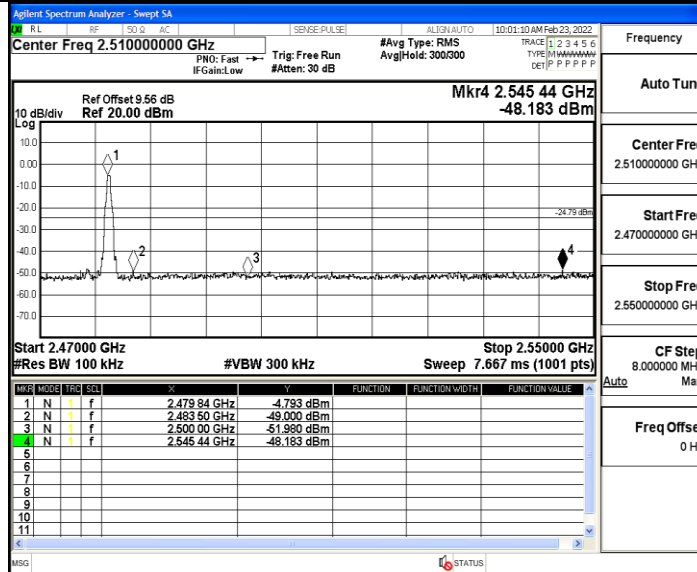
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-6.74	-48.64	≤-26.74	PASS
		High	2480	-4.79	-48.18	≤-24.79	PASS
		Low	Hop_2402	-7.44	-50.49	≤-27.44	PASS
		High	Hop_2480	-5.02	-49.26	≤-25.02	PASS
2DH5	Ant1	Low	2402	-6.74	-50.09	≤-26.74	PASS
		High	2480	-4.62	-48.74	≤-24.62	PASS
		Low	Hop_2402	-9.18	-50.17	≤-29.18	PASS
		High	Hop_2480	-5.05	-49.48	≤-25.05	PASS

### Test Graphs

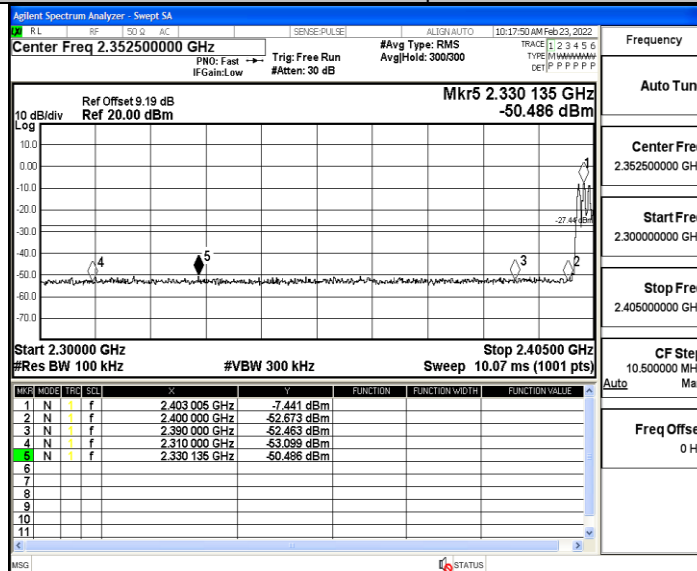
DH5\_Ant1\_Low\_2402



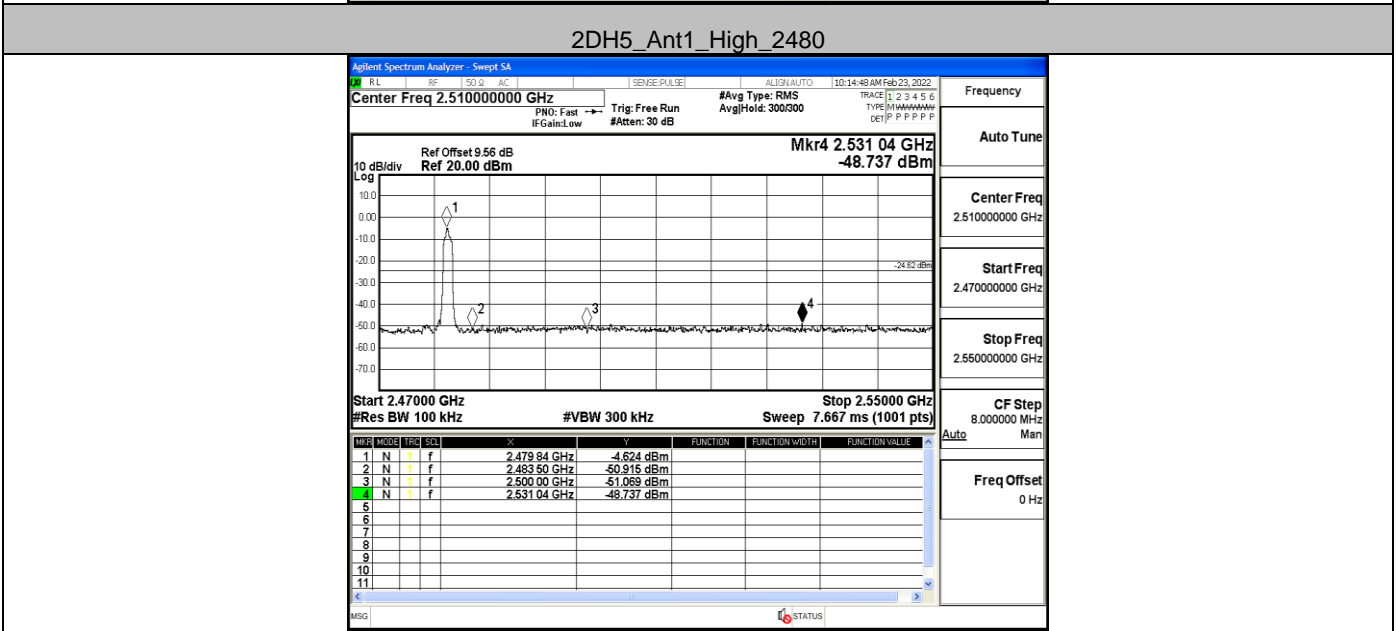
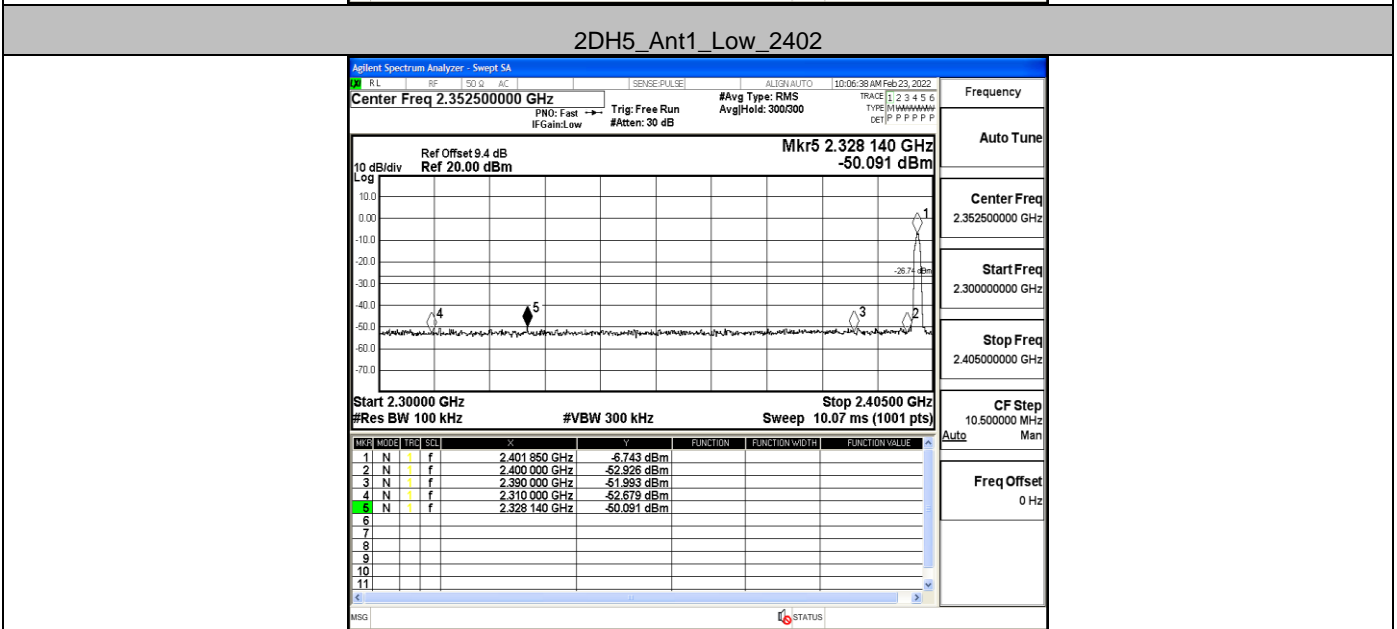
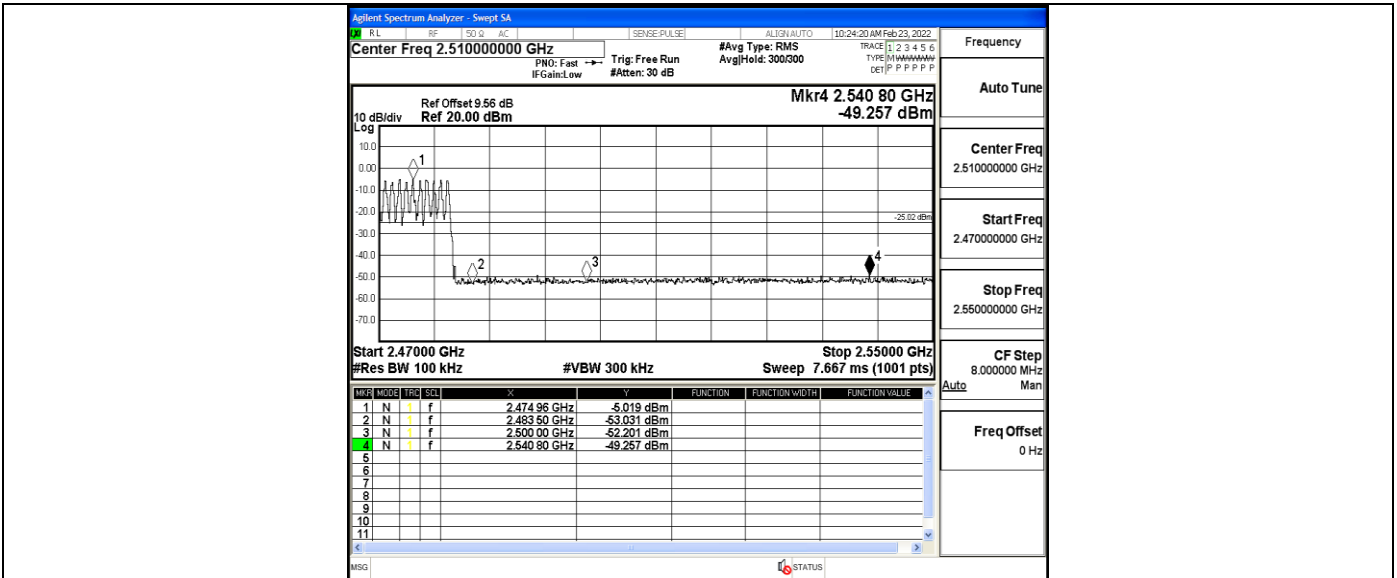
DH5\_Ant1\_High\_2480

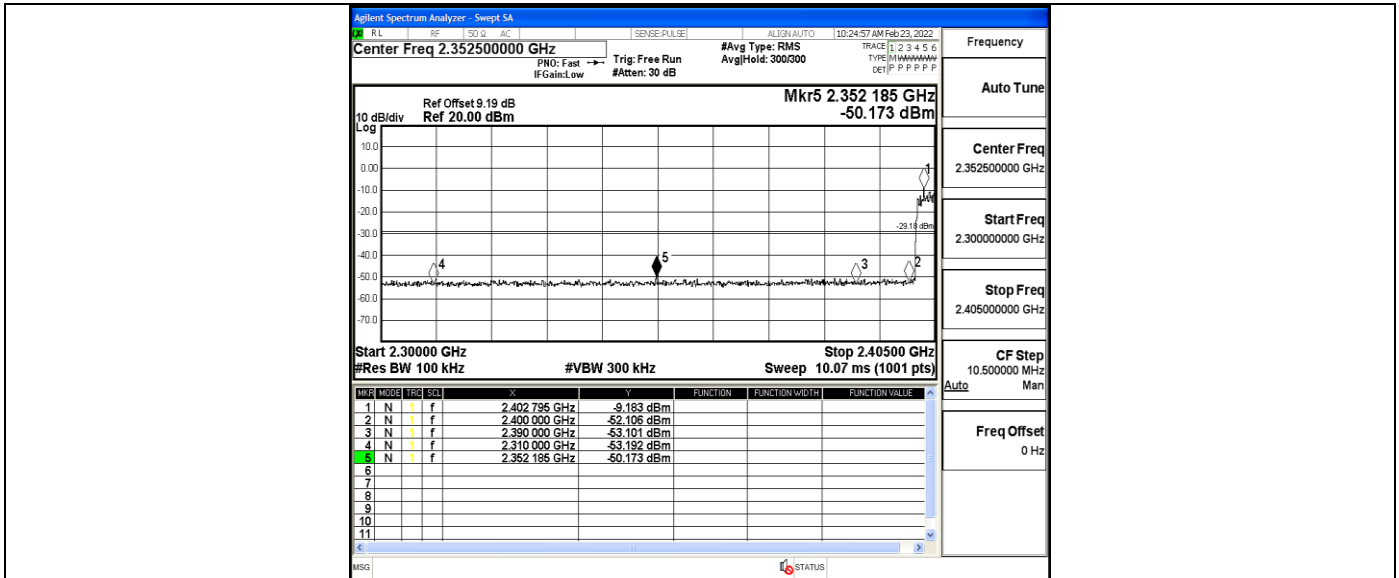


DH5\_Ant1\_Low\_Hop\_2402

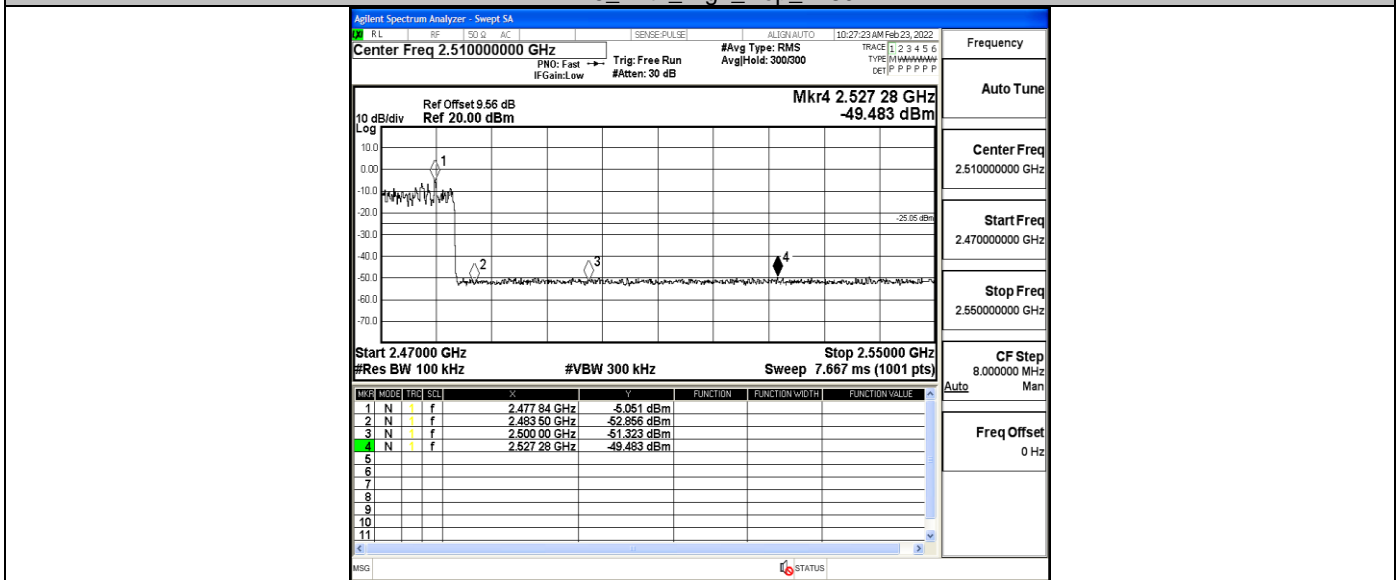


DH5\_Ant1\_High\_Hop\_2480





2DH5\_Ant1\_High\_Hop\_2480



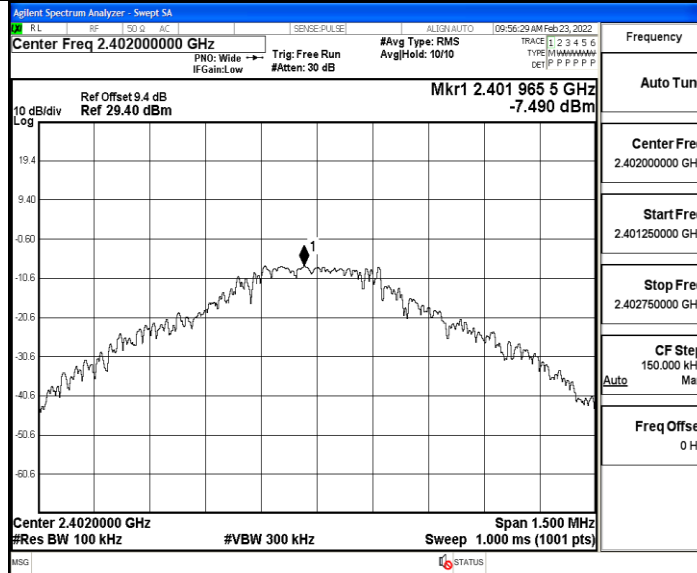
## Appendix H: Conducted Spurious Emission

### Test Result

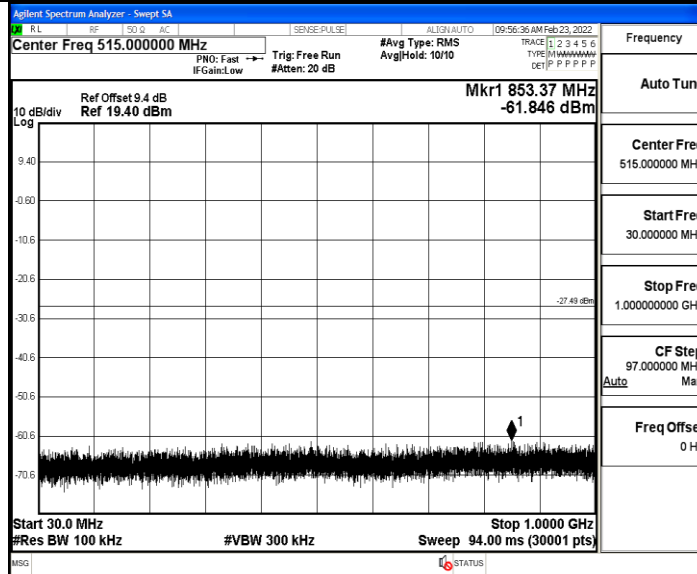
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-7.49	-7.49	---	PASS
			30~1000	-7.49	-61.85	≤-27.49	PASS
			1000~26500	-7.49	-49.05	≤-27.49	PASS
		2441	Reference	-6.51	-6.51	---	PASS
			30~1000	-6.51	-61.49	≤-26.51	PASS
			1000~26500	-6.51	-47.85	≤-26.51	PASS
		2480	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-59.96	≤-25.28	PASS
			1000~26500	-5.28	-46.58	≤-25.28	PASS
2DH5	Ant1	2402	Reference	-6.90	-6.90	---	PASS
			30~1000	-6.90	-61.48	≤-26.9	PASS
			1000~26500	-6.90	-51.12	≤-26.9	PASS
		2441	Reference	-7.28	-7.28	---	PASS
			30~1000	-7.28	-61.26	≤-27.28	PASS
			1000~26500	-7.28	-48.21	≤-27.28	PASS
		2480	Reference	-5.81	-5.81	---	PASS
			30~1000	-5.81	-61.18	≤-25.81	PASS
			1000~26500	-5.81	-45.82	≤-25.81	PASS

### Test Graphs

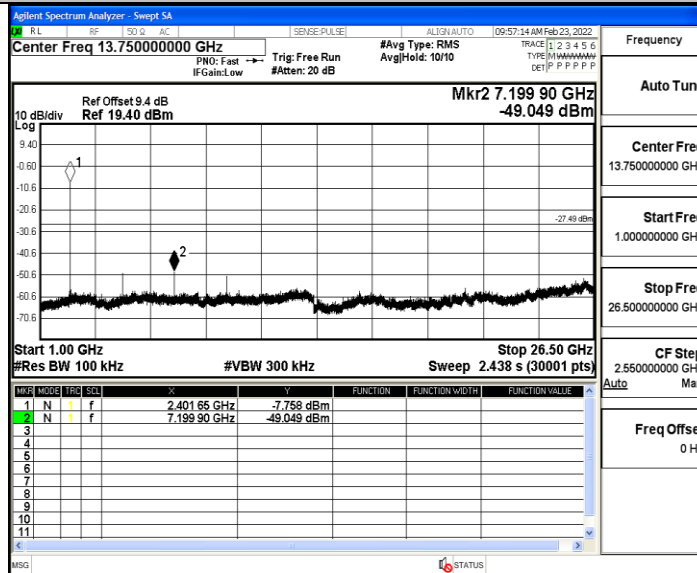
DH5\_Ant1\_2402\_0~Reference



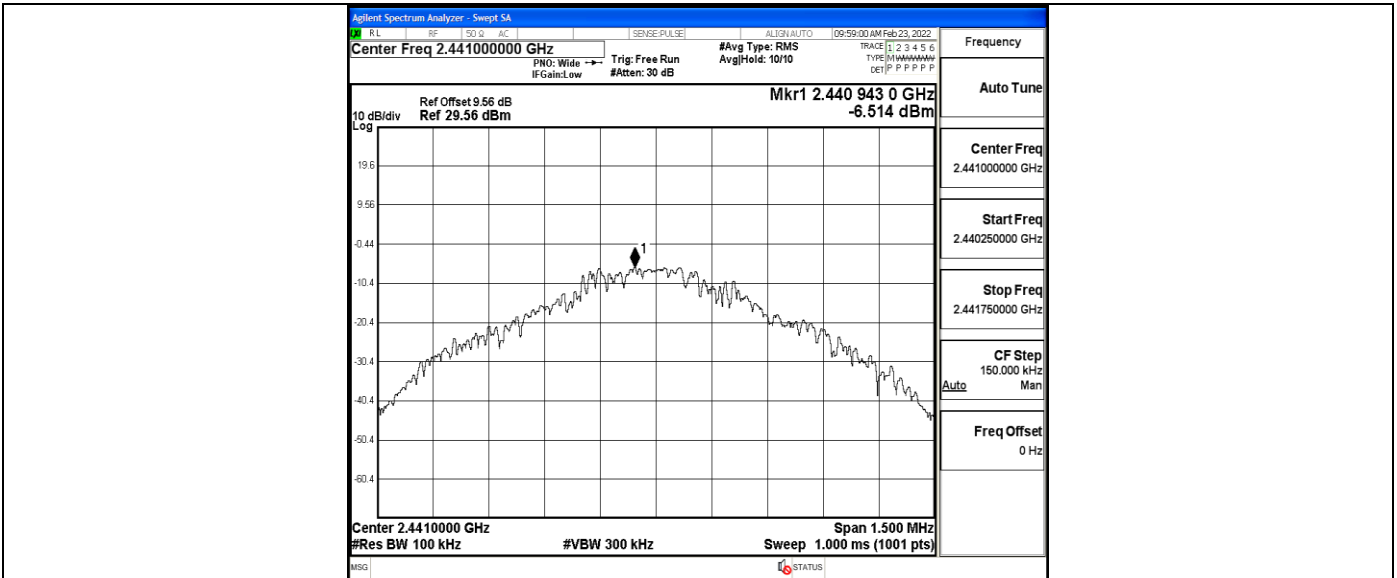
DH5\_Ant1\_2402\_30~1000



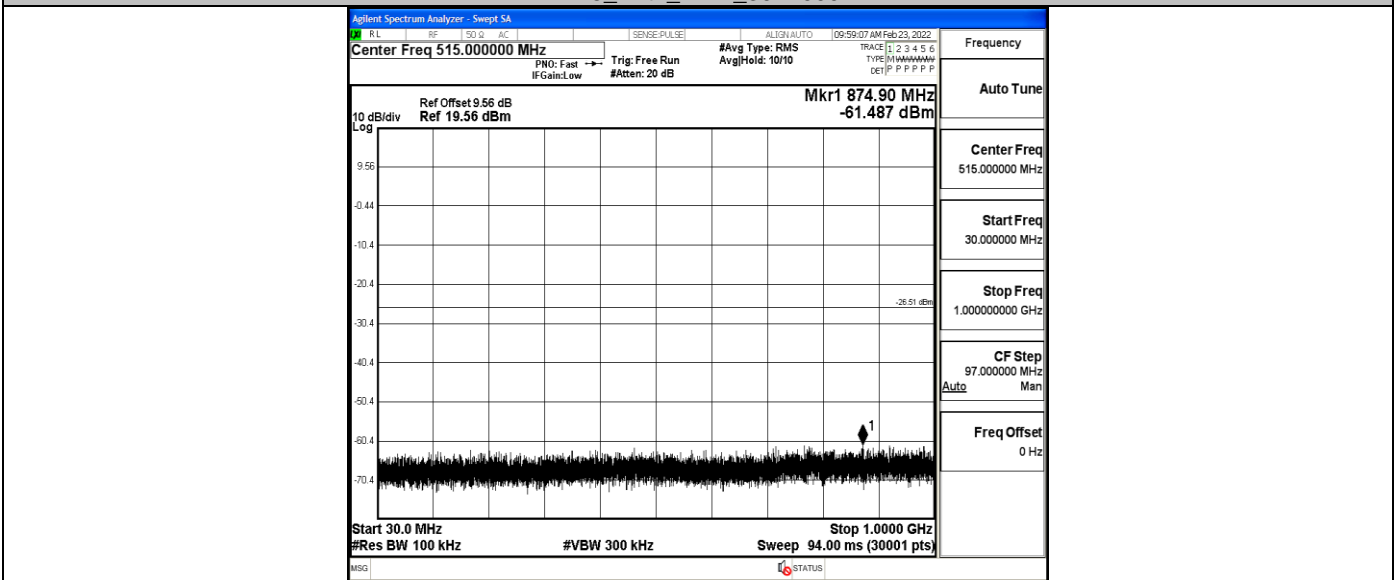
DH5\_Ant1\_2402\_1000~26500



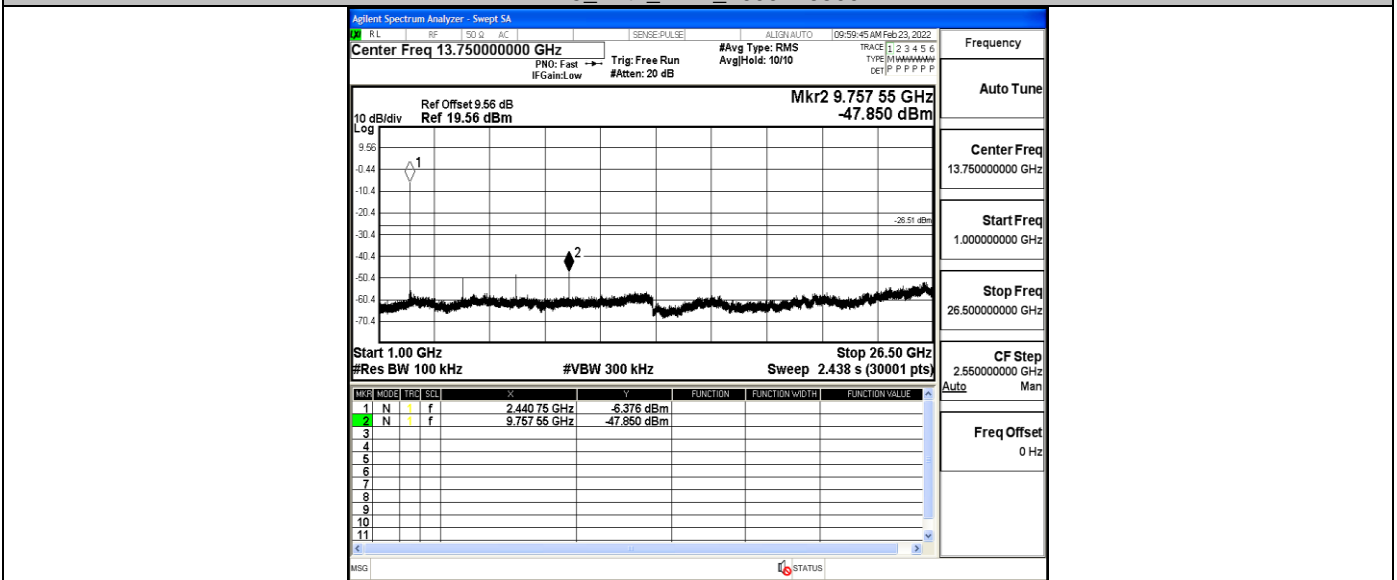
DH5\_Ant1\_2441\_0~Reference



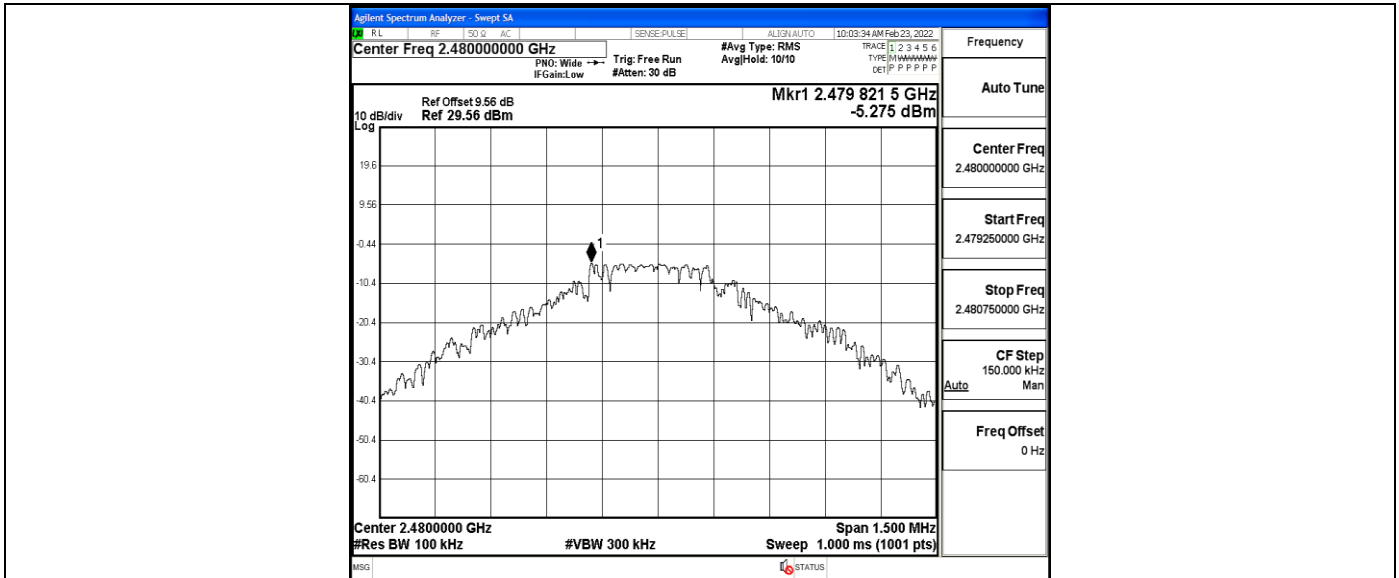
DH5\_Ant1\_2441\_30~1000



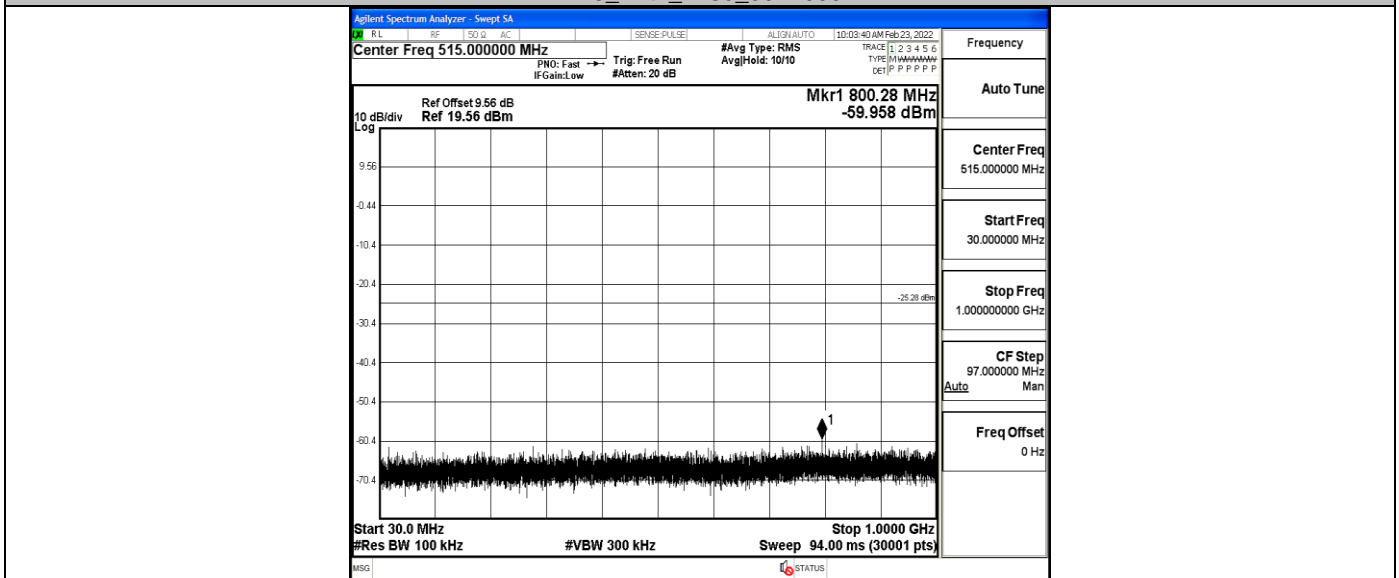
DH5\_Ant1\_2441\_1000~26500



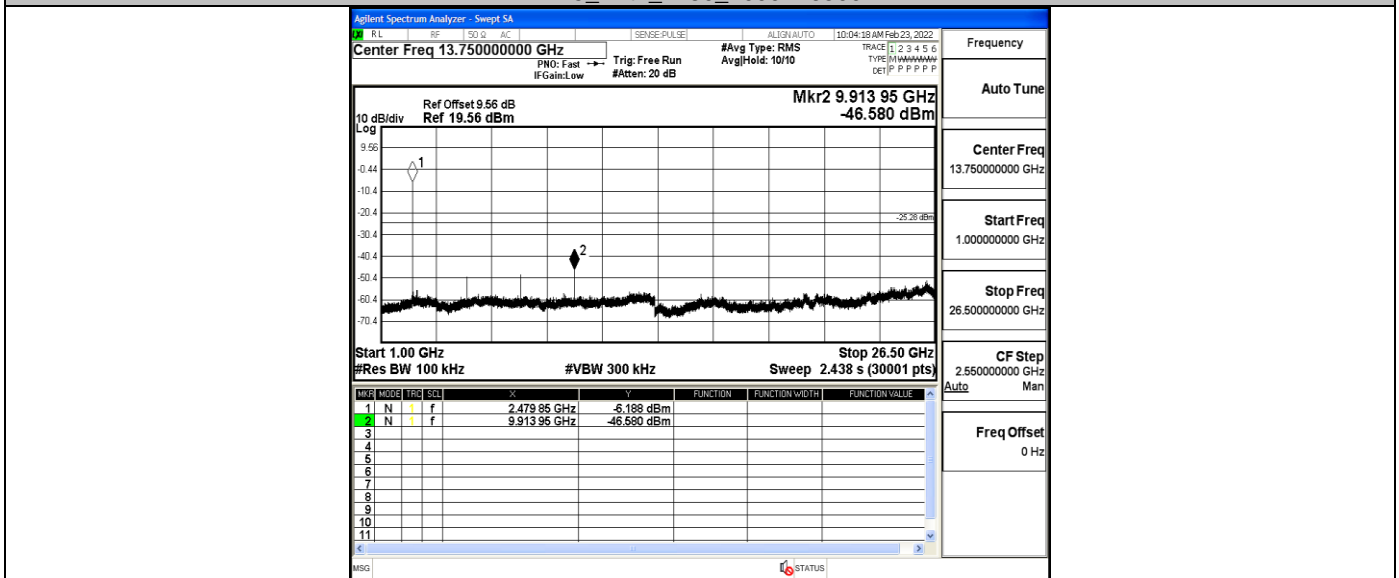
DH5\_Ant1\_2480\_0-Reference



DH5\_Ant1\_2480\_30~1000

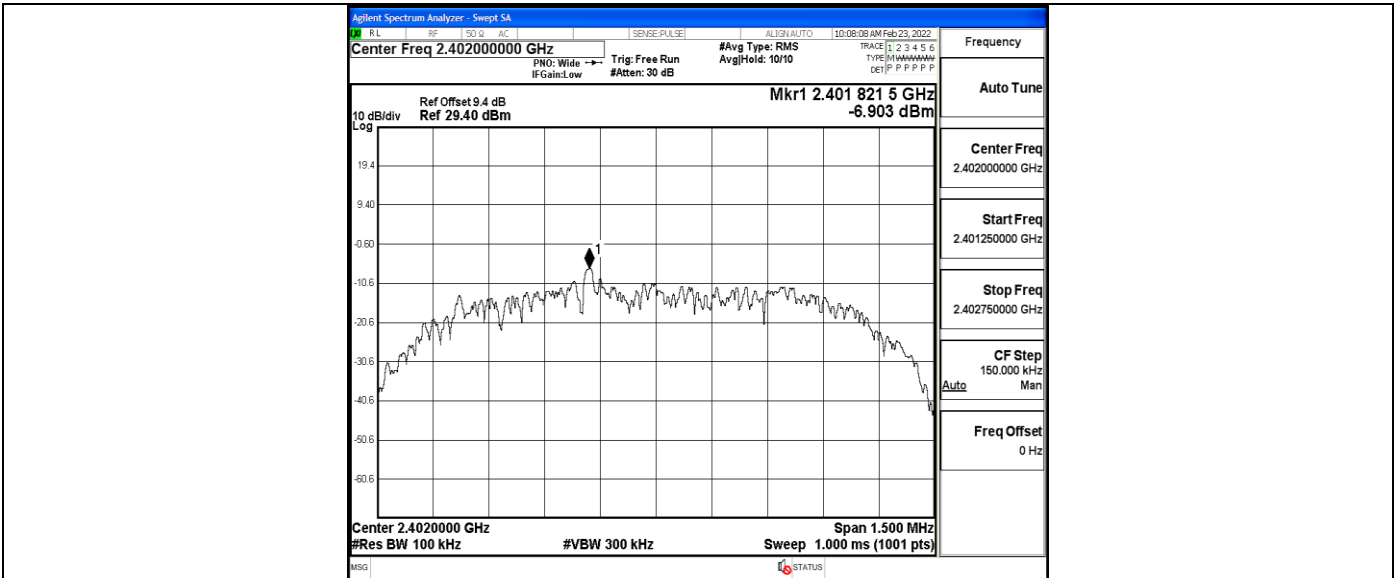


DH5\_Ant1\_2480\_1000~26500

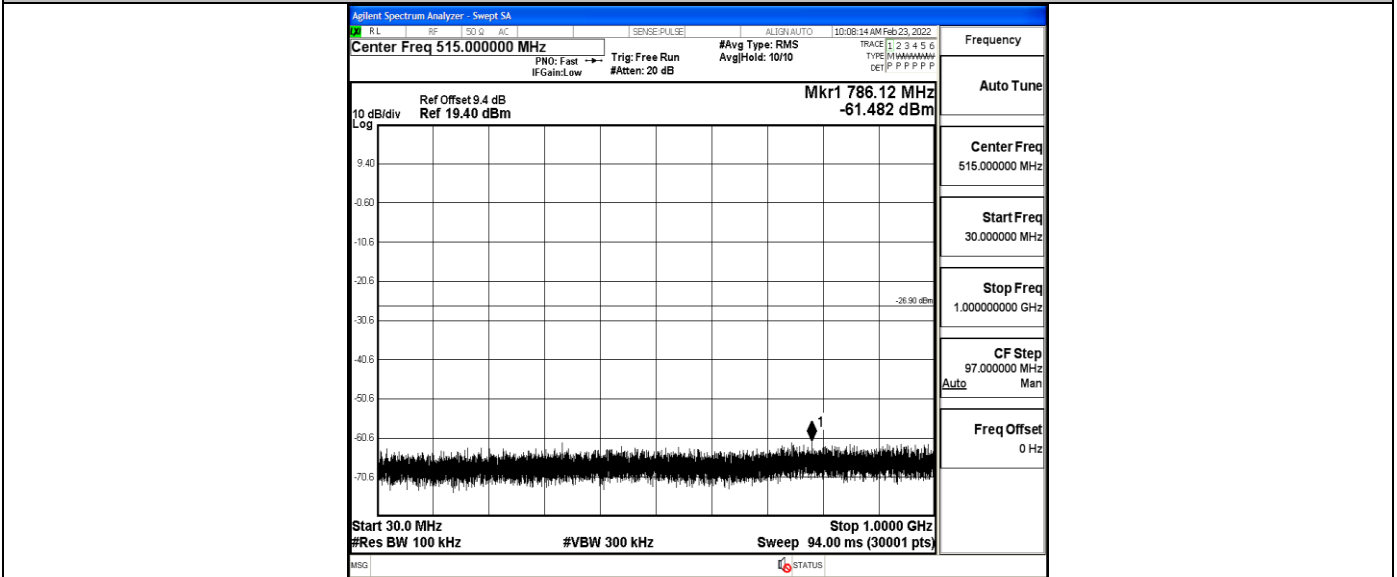


2DH5\_Ant1\_2402\_0~Reference

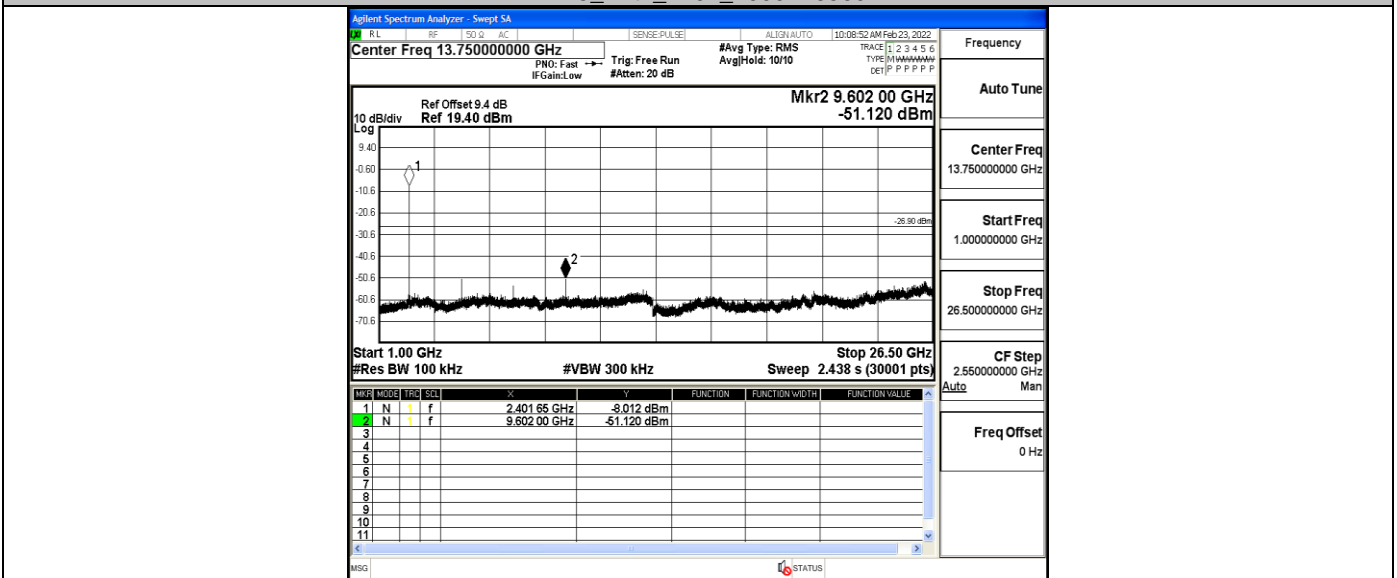




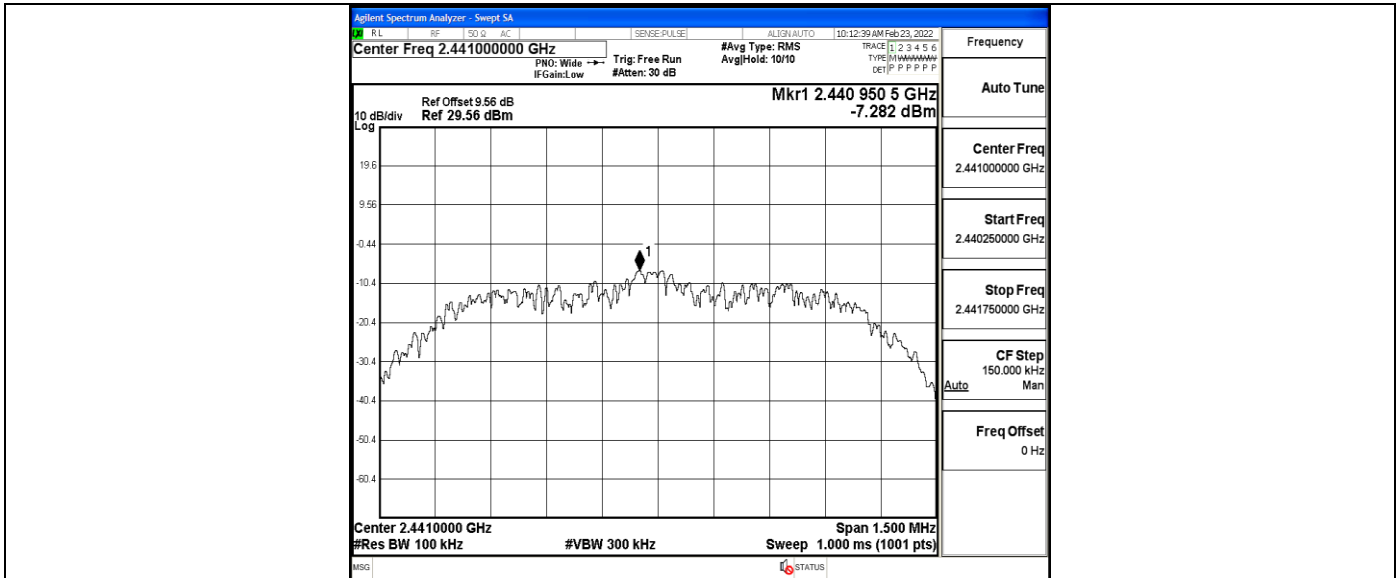
2DH5\_Ant1\_2402\_30~1000



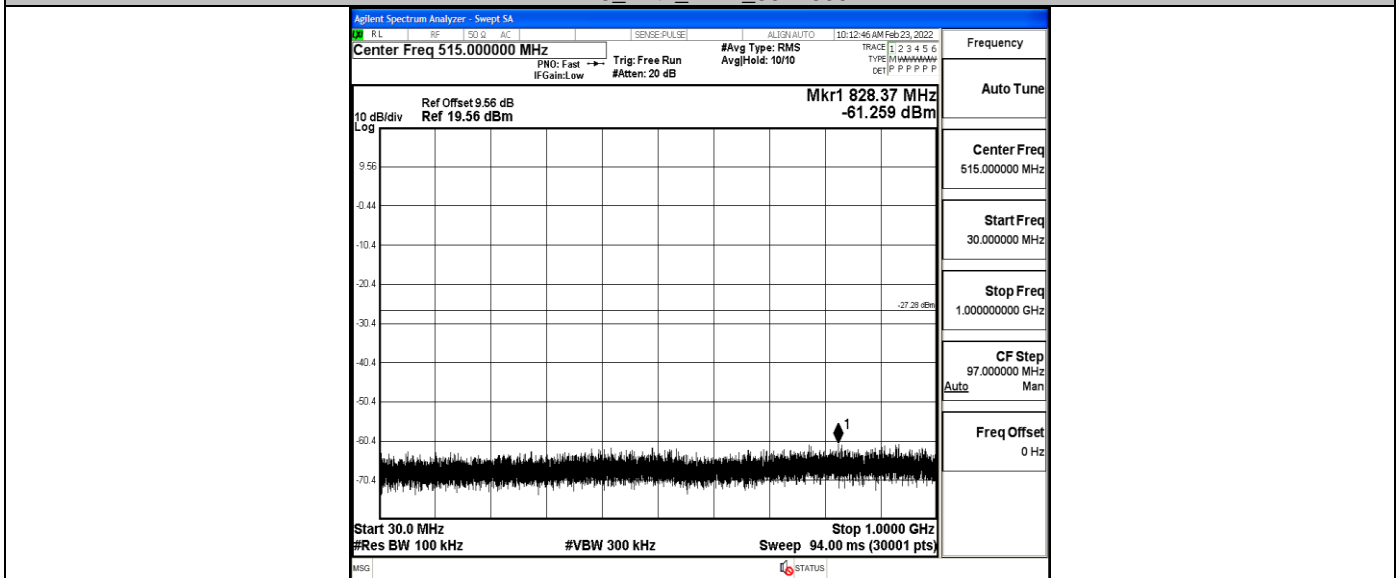
2DH5\_Ant1\_2402\_1000~26500



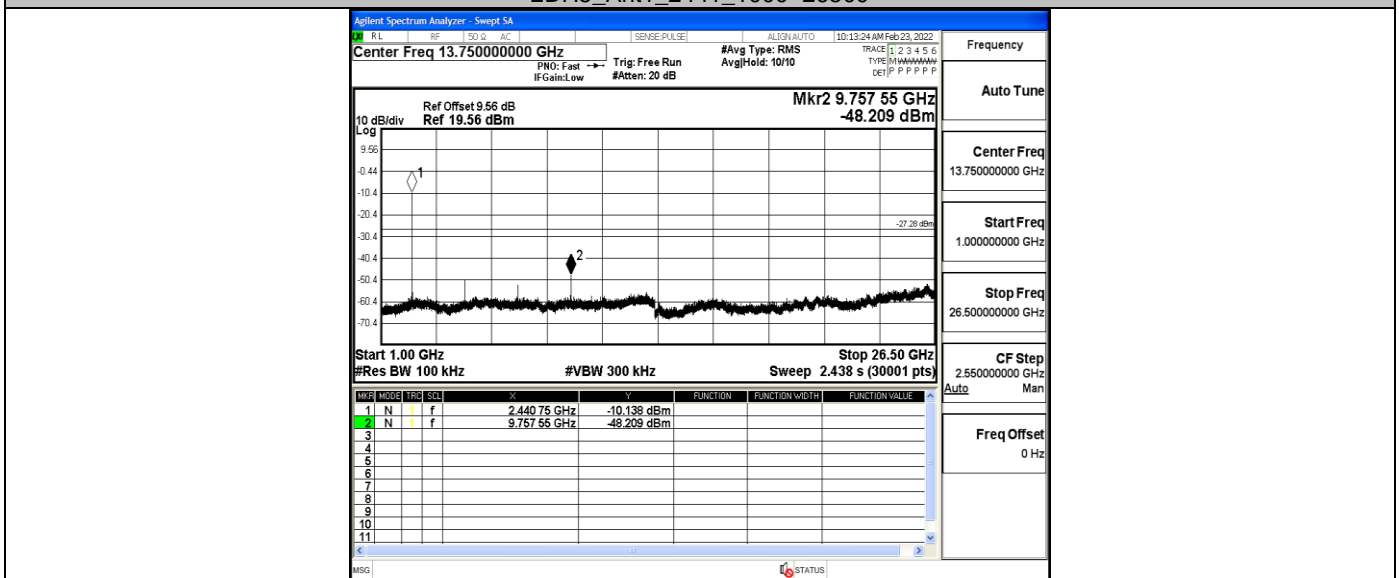
2DH5\_Ant1\_2441\_0~Reference



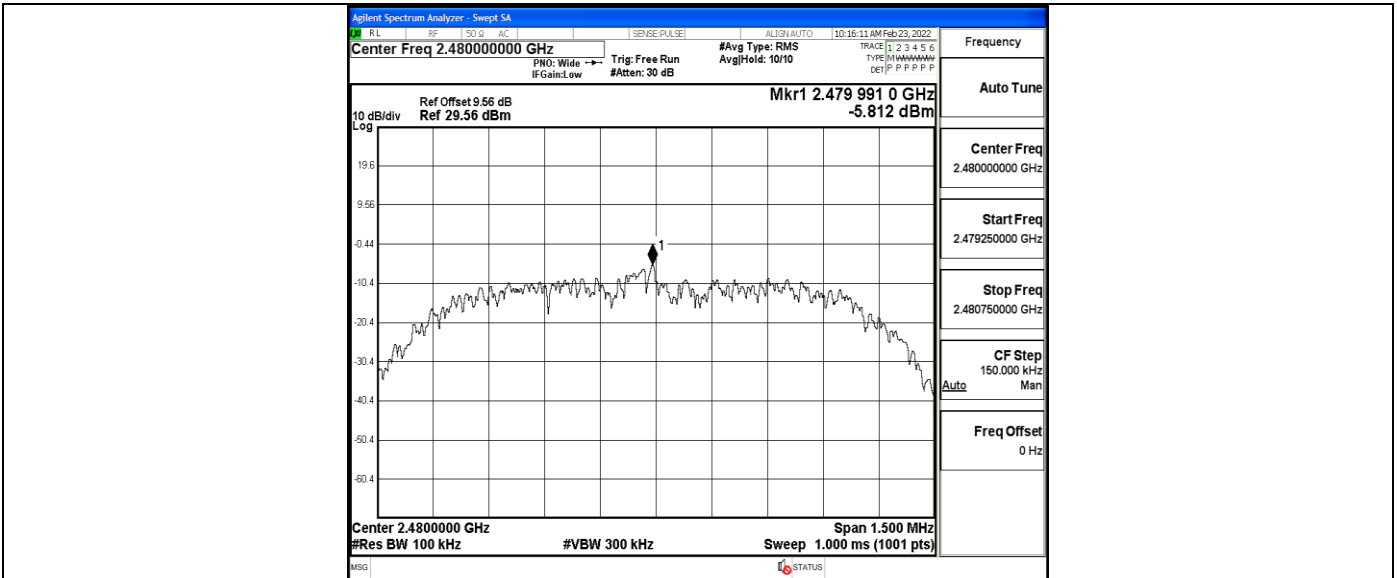
2DH5\_Ant1\_2441\_30~1000



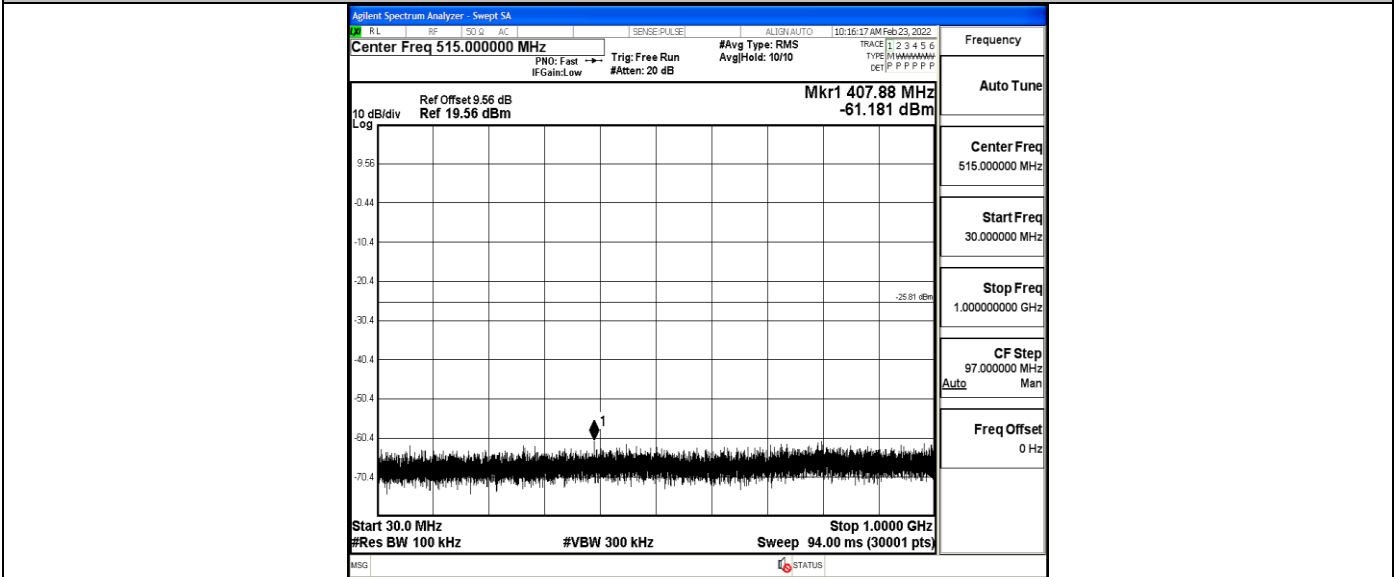
2DH5\_Ant1\_2441\_1000~26500



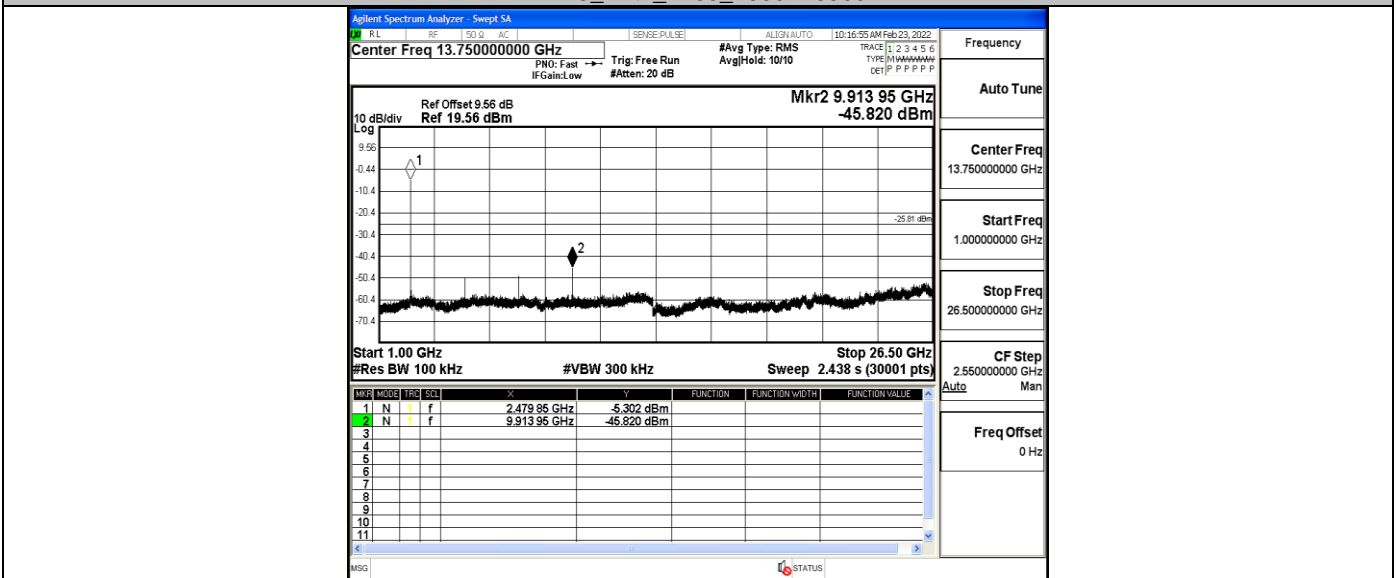
2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000



2DH5\_Ant1\_2480\_1000~26500



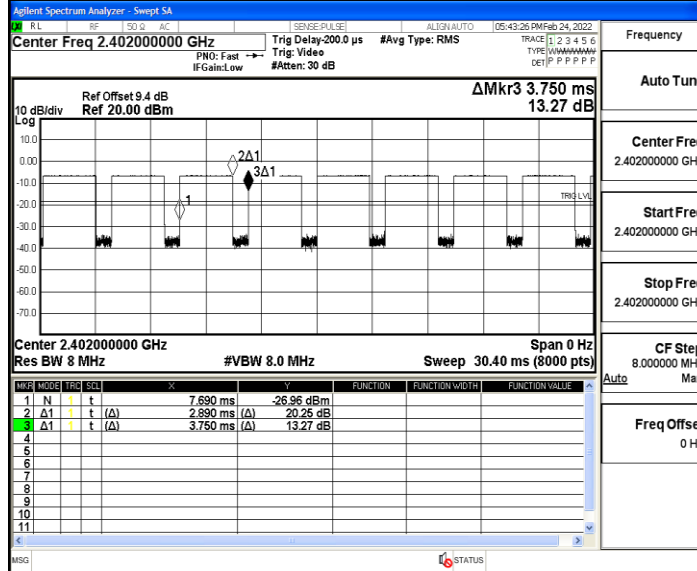
## Appendix I: Duty Cycle

### Test Result

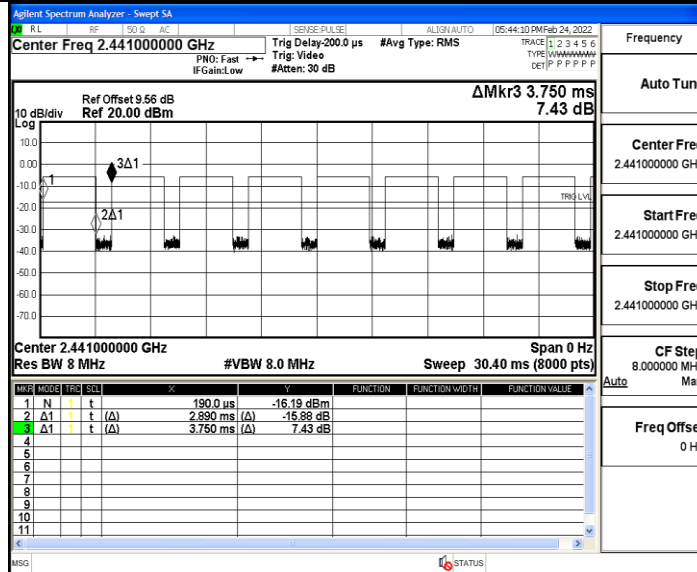
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [kHz]
DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.89	3.75	77.07	0.35
2DH5	Ant1	2402	2.90	3.75	77.33	0.34
		2441	2.89	3.75	77.07	0.35
		2480	2.90	3.75	77.33	0.34
3DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.89	3.75	77.07	0.35

Test Graphs

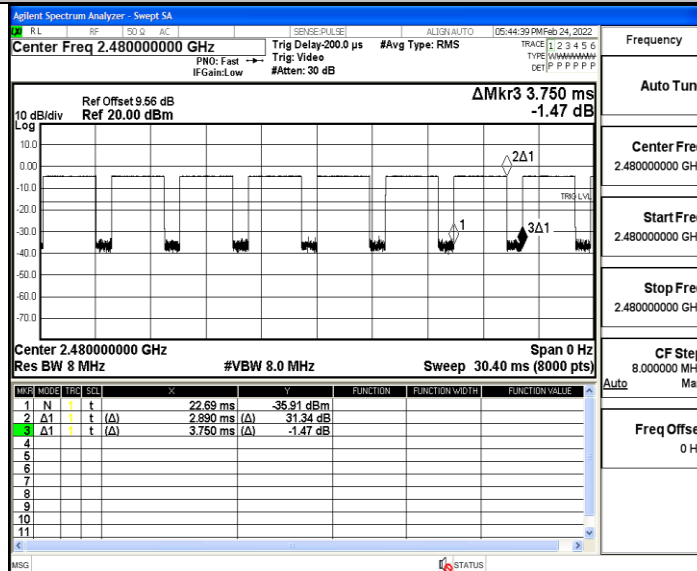
DH5\_Ant1\_2402



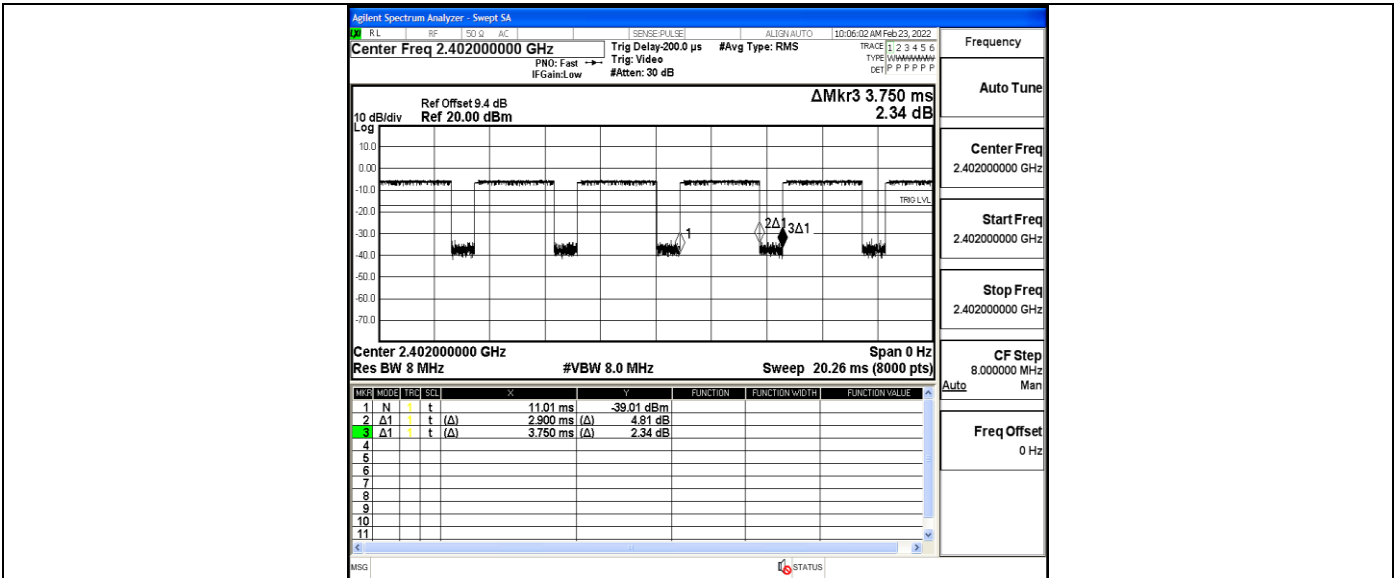
DH5\_Ant1\_2441



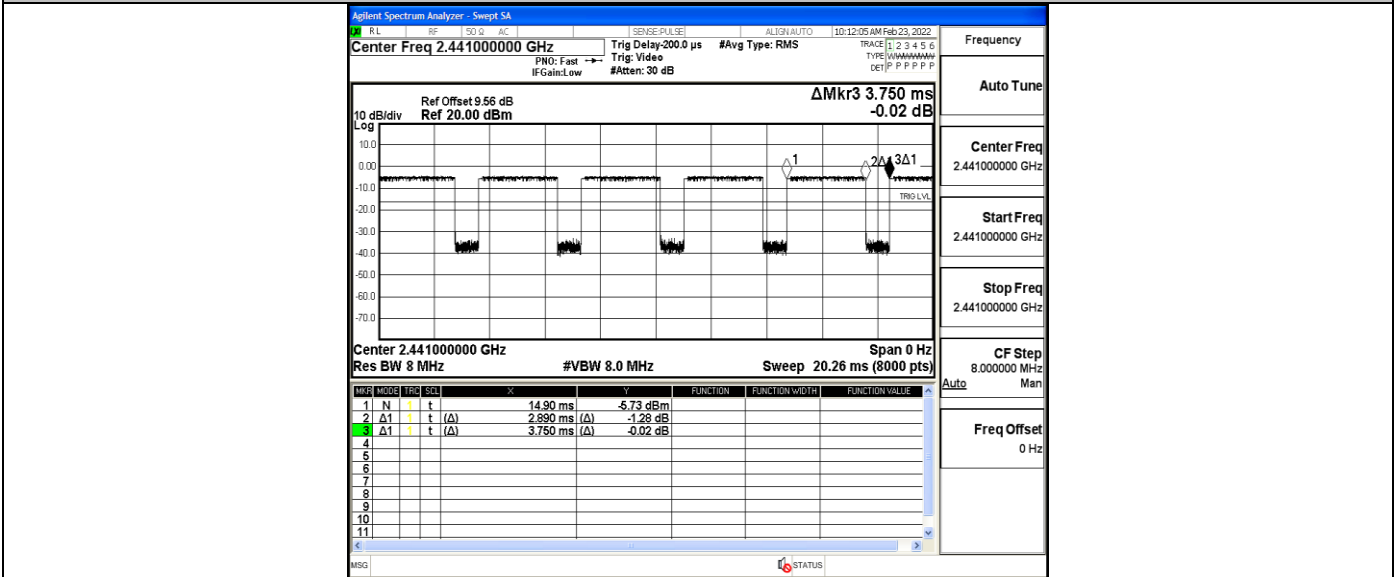
DH5\_Ant1\_2480



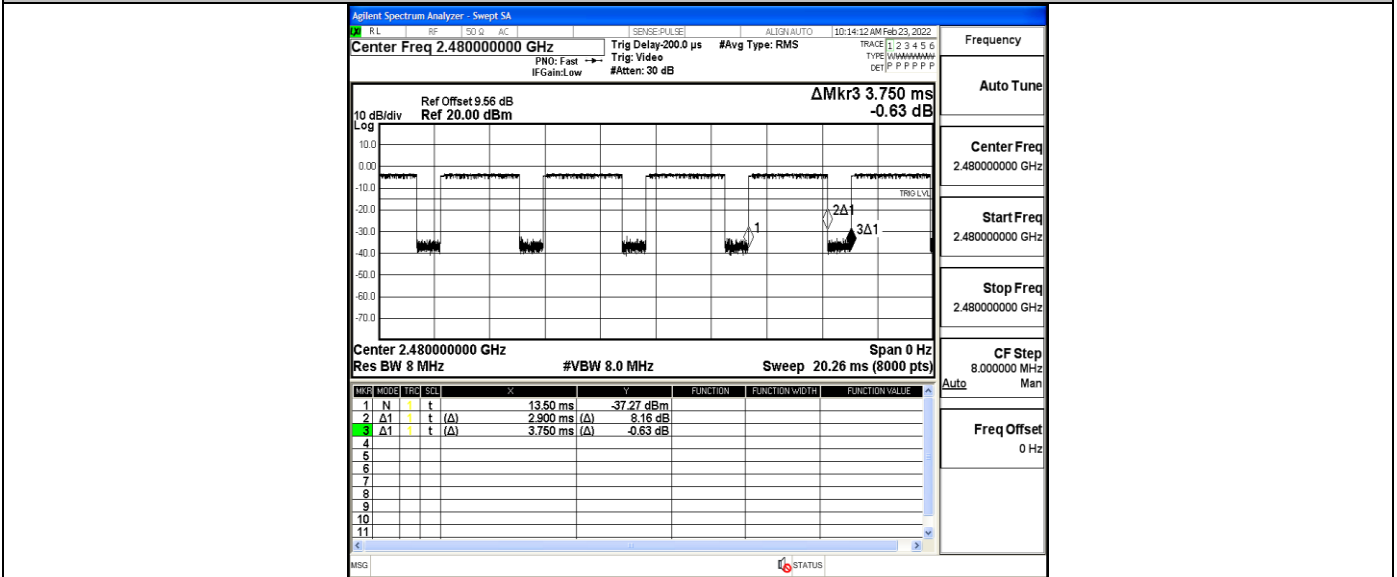
2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



2DH5\_Ant1\_2480



## Appendix J: Emissions in Restricted Bands

### Test Result

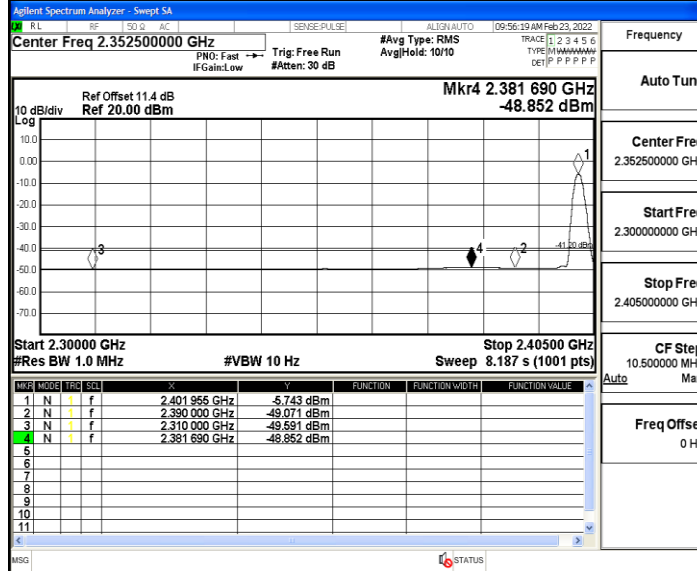
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.59	≤-41.20	PASS
				AV	2381.690	-48.85	≤-41.20	PASS
				AV	2390.000	-49.07	≤-41.20	PASS
				Peak	2310.000	-46.24	≤-21.20	PASS
				Peak	2316.275	-39.33	≤-21.20	PASS
				Peak	2390.000	-44.38	≤-21.20	PASS
		High	2480	AV	2483.500	-48.52	≤-41.20	PASS
				AV	2499.600	-47.74	≤-41.20	PASS
				AV	2500.000	-47.75	≤-41.20	PASS
				Peak	2483.500	-43.19	≤-21.20	PASS
				Peak	2494.800	-39.79	≤-21.20	PASS
				Peak	2500.000	-40.73	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.17	≤-41.20	PASS
				AV	2381.690	-48.3	≤-41.20	PASS
				AV	2390.000	-48.62	≤-41.20	PASS
				Peak	2310.000	-41.52	≤-21.20	PASS
				Peak	2362.055	-38.86	≤-21.20	PASS
				Peak	2390.000	-40.72	≤-21.20	PASS
		High	2480	AV	2483.500	-48.24	≤-41.20	PASS
				AV	2498.160	-47.16	≤-41.20	PASS
				AV	2500.000	-47.28	≤-41.20	PASS
				Peak	2483.500	-42.03	≤-21.20	PASS
				Peak	2499.680	-37.6	≤-21.20	PASS
				Peak	2500.000	-39.54	≤-21.20	PASS

Note :

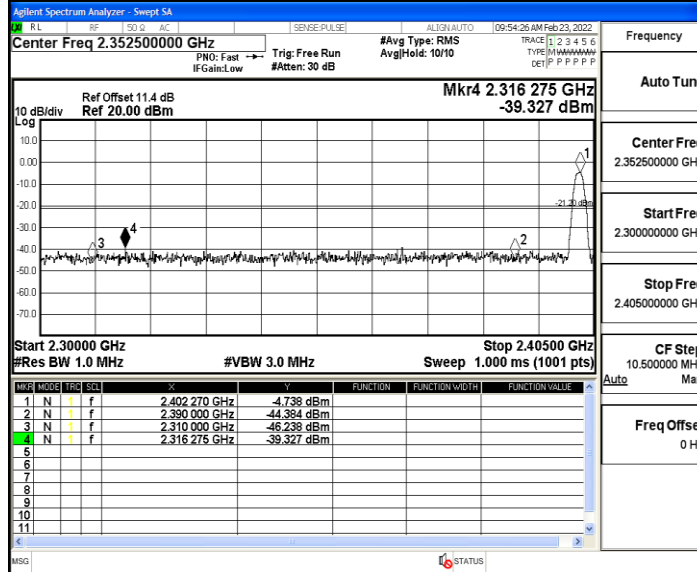
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

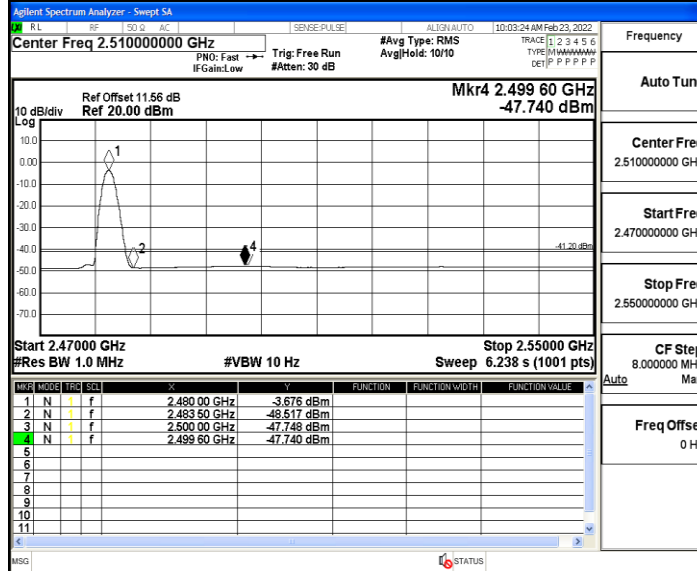
DH5\_Ant1\_Low\_2402\_AV



DH5\_Ant1\_Low\_2402\_Peak

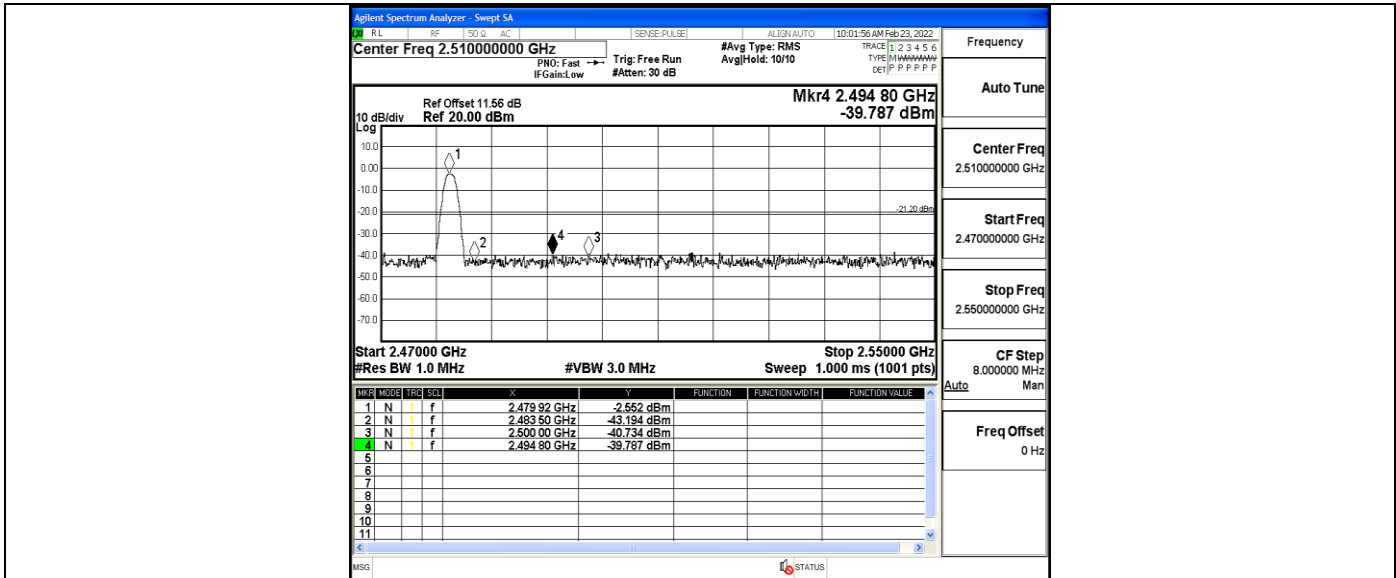


DH5\_Ant1\_High\_2480\_AV

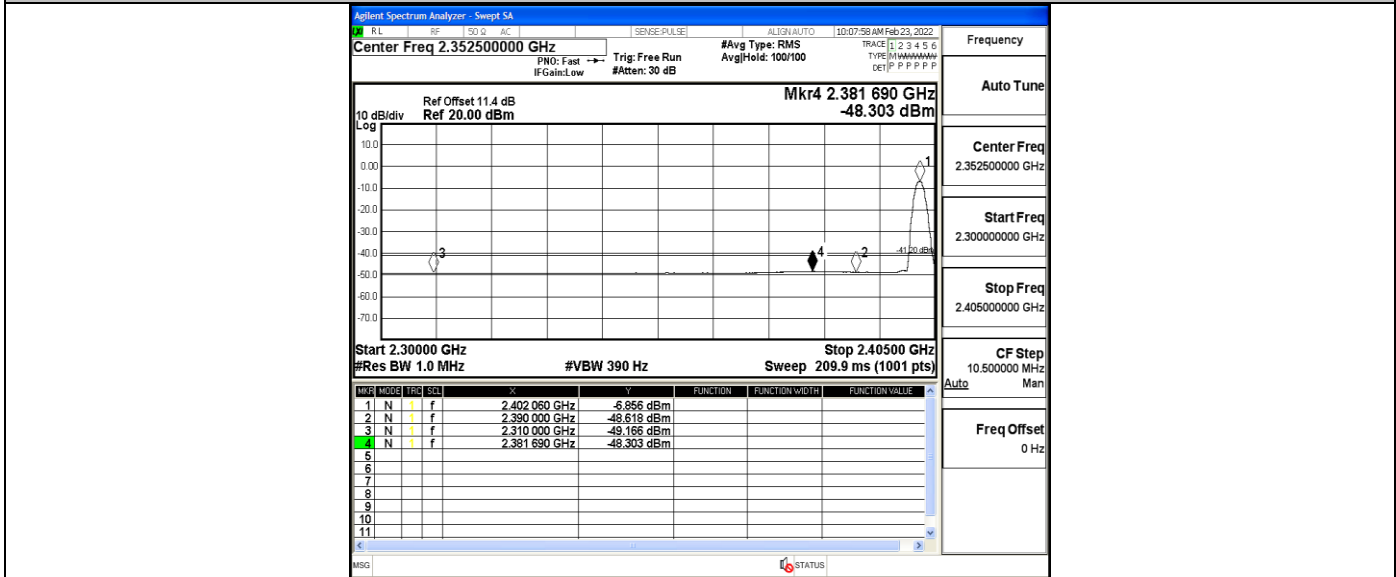


DH5\_Ant1\_High\_2480\_Peak

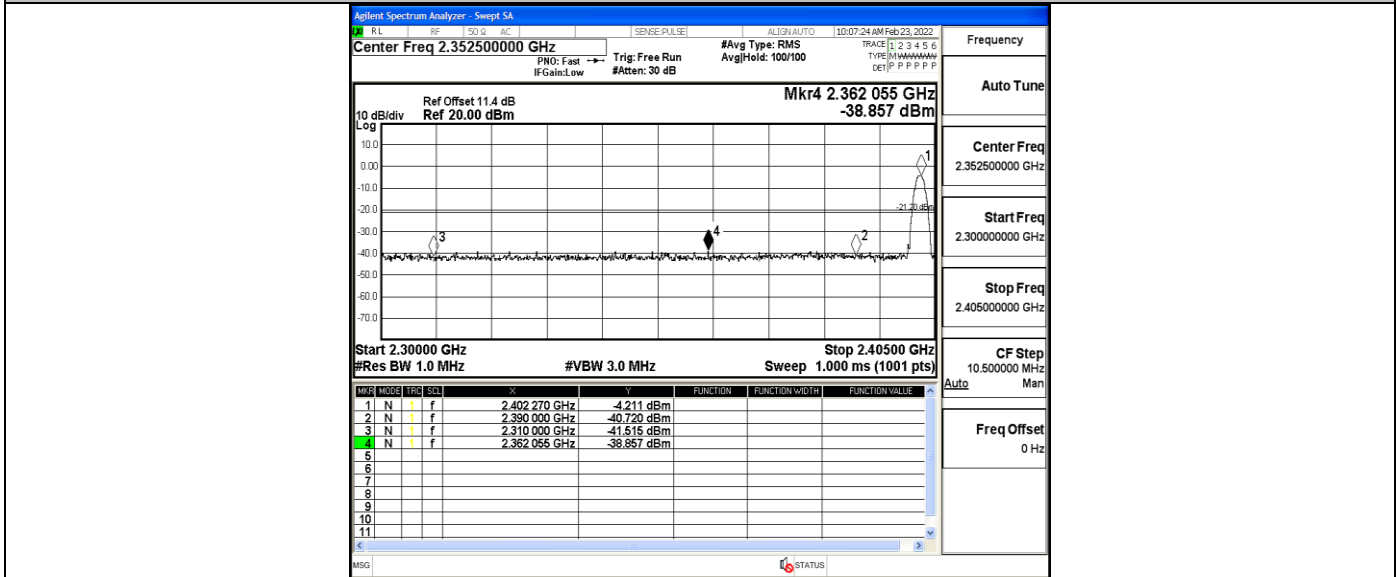




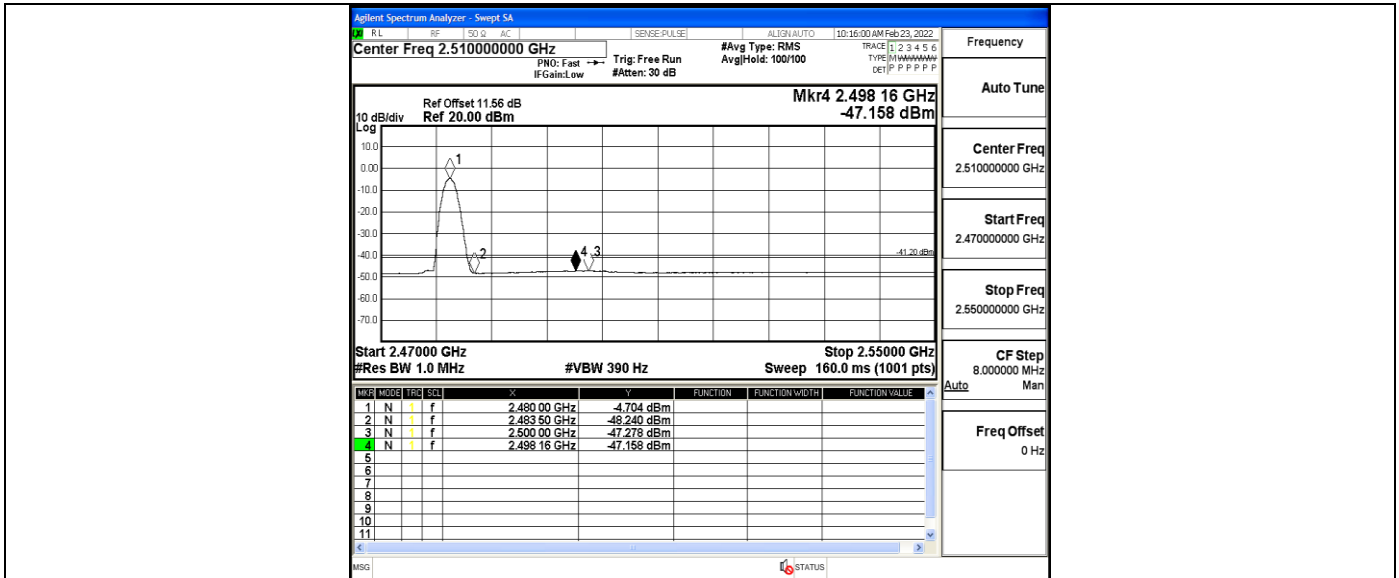
2DH5\_Ant1\_Low\_2402\_AV



2DH5\_Ant1\_Low\_2402\_Peak



2DH5\_Ant1\_High\_2480\_AV



2DH5\_Ant1\_High\_2480\_Peak

