

Appendix Test Data for BT(BDR&EDR) (Conducted Measurement)

Product Name: SMARTPHONE

Trade Mark: HERITAGE

Test Model: P60 PRO+

FCC ID: 2A6U5-M6908M6904

Environmental Conditions

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

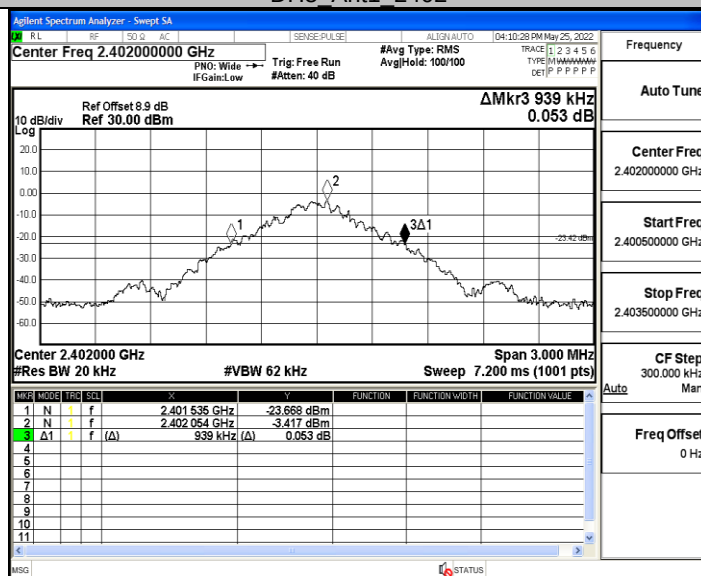
Appendix A: 20dB Emission Bandwidth

Test Result

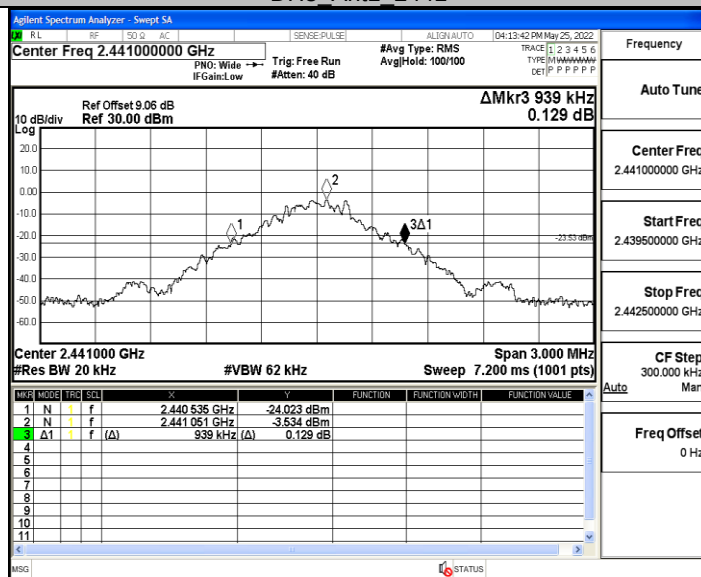
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.535	2402.474	---	---
		2441	0.939	2440.535	2441.474	---	---
		2480	0.948	2479.535	2480.483	---	---
2DH5	Ant1	2402	1.320	2401.334	2402.654	---	---
		2441	1.347	2440.325	2441.672	---	---
		2480	1.275	2479.358	2480.633	---	---
3DH5	Ant1	2402	1.275	2401.346	2402.621	---	---
		2441	1.269	2440.349	2441.618	---	---
		2480	1.314	2479.340	2480.654	---	---

Test Graphs

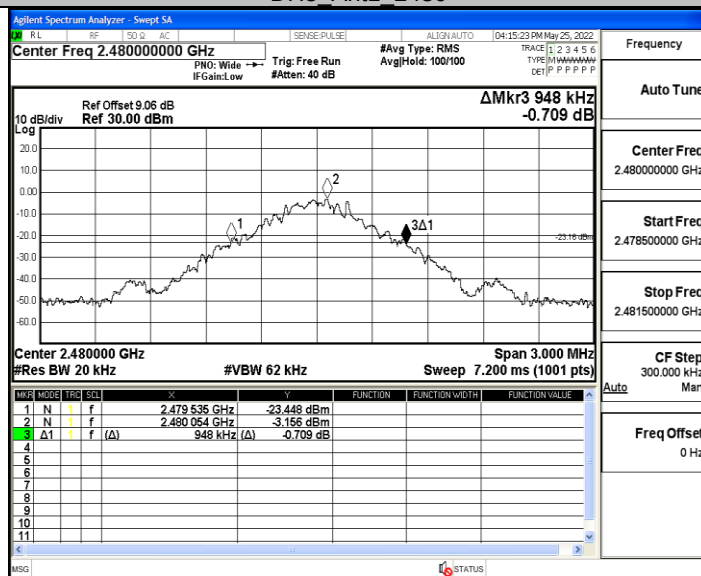
DH5_Ant1_2402



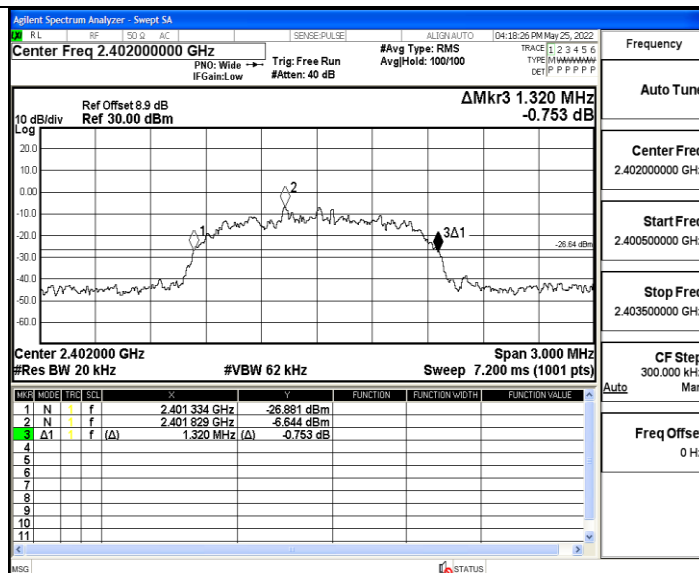
DH5_Ant1_2441



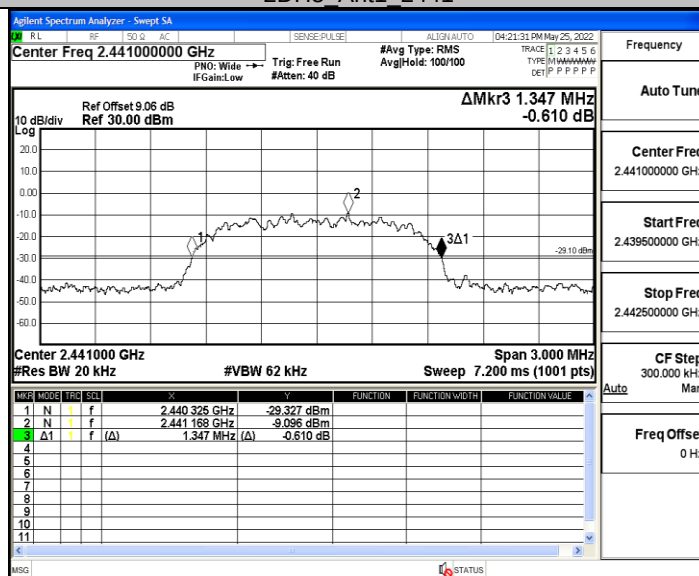
DH5_Ant1_2480



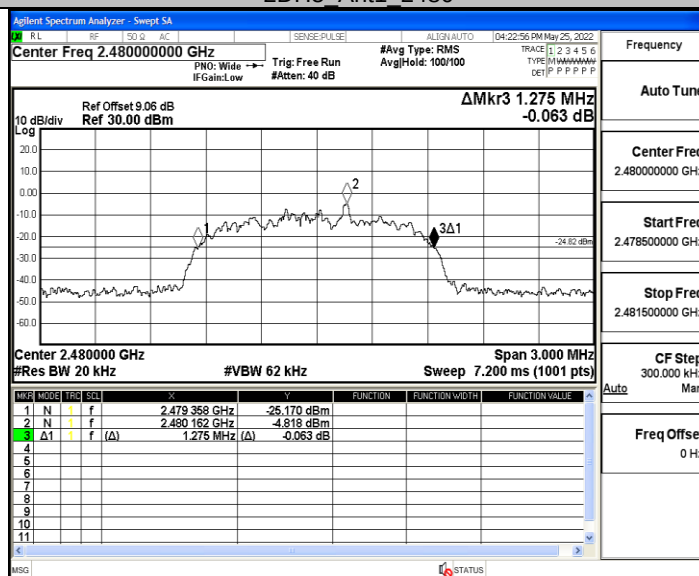
2DH5_Ant1_2402



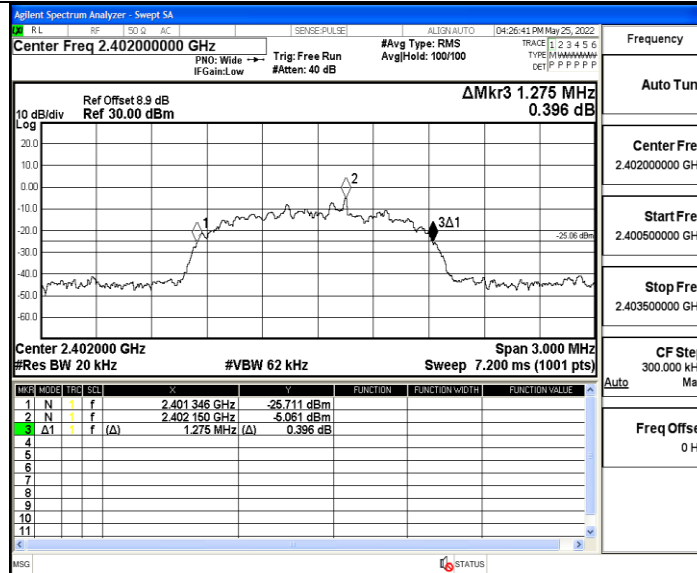
2DH5_Ant1_2441



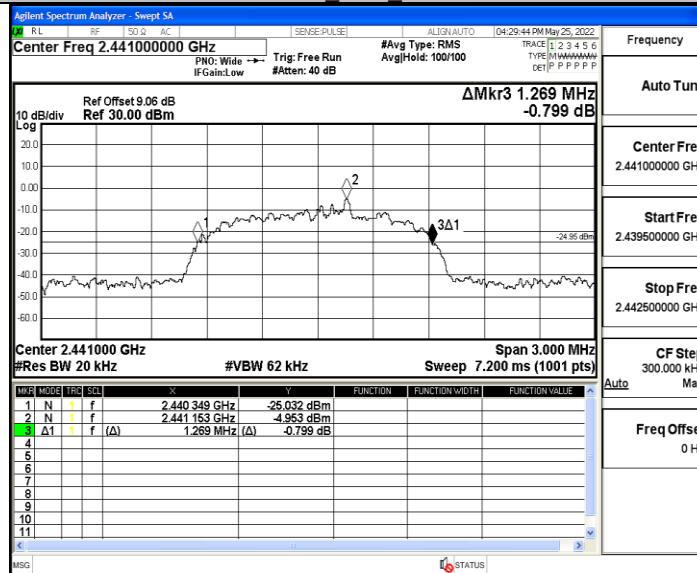
2DH5_Ant1_2480



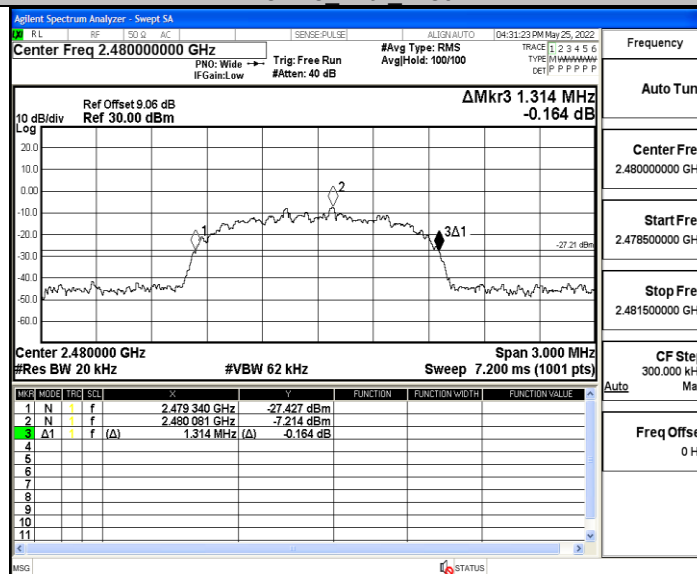
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



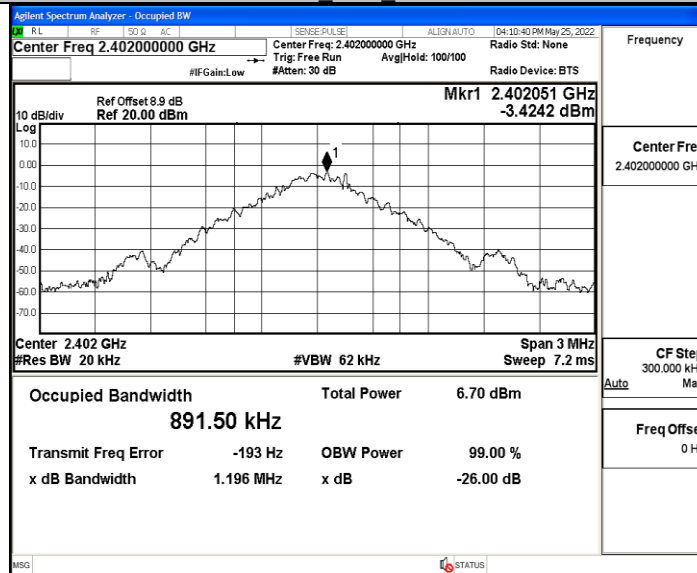
Appendix B: Occupied Channel Bandwidth

Test Result

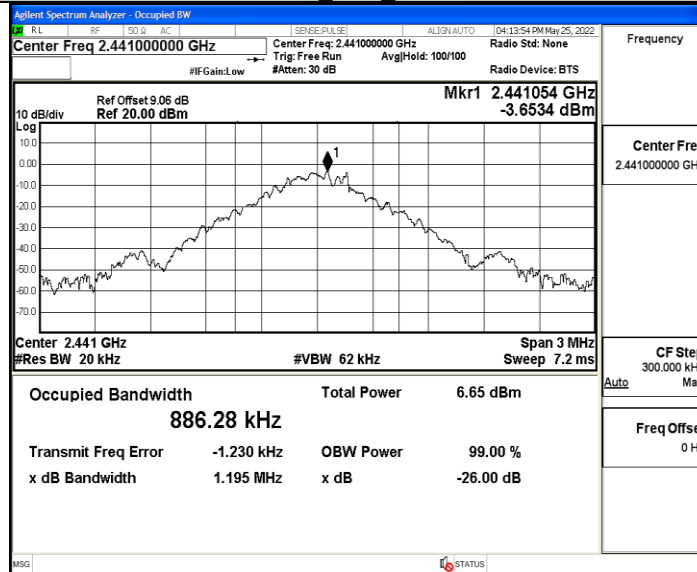
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89150	2401.554	2402.446	---	---
		2441	0.88628	2440.556	2441.442	---	---
		2480	0.88969	2479.552	2480.442	---	---
2DH5	Ant1	2402	1.1903	2401.401	2402.591	---	---
		2441	1.1913	2440.399	2441.591	---	---
		2480	1.1879	2479.400	2480.588	---	---
3DH5	Ant1	2402	1.2064	2401.385	2402.592	---	---
		2441	1.1964	2440.392	2441.588	---	---
		2480	1.2005	2479.388	2480.589	---	---

Test Graphs

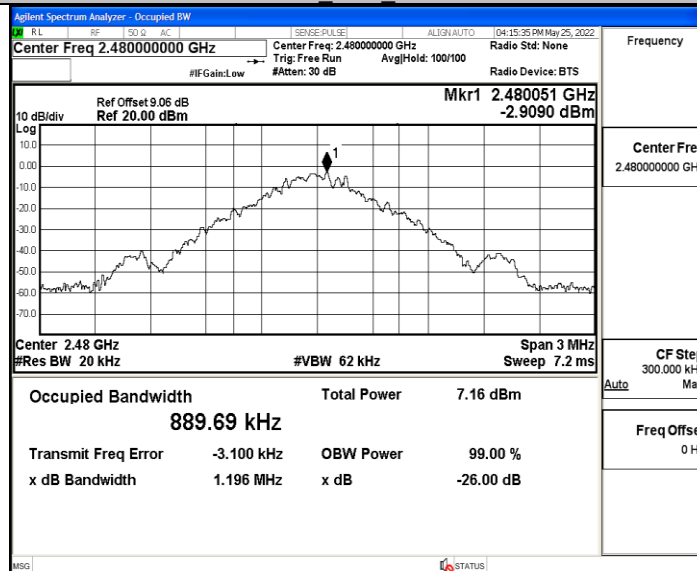
DH5_Ant1_2402



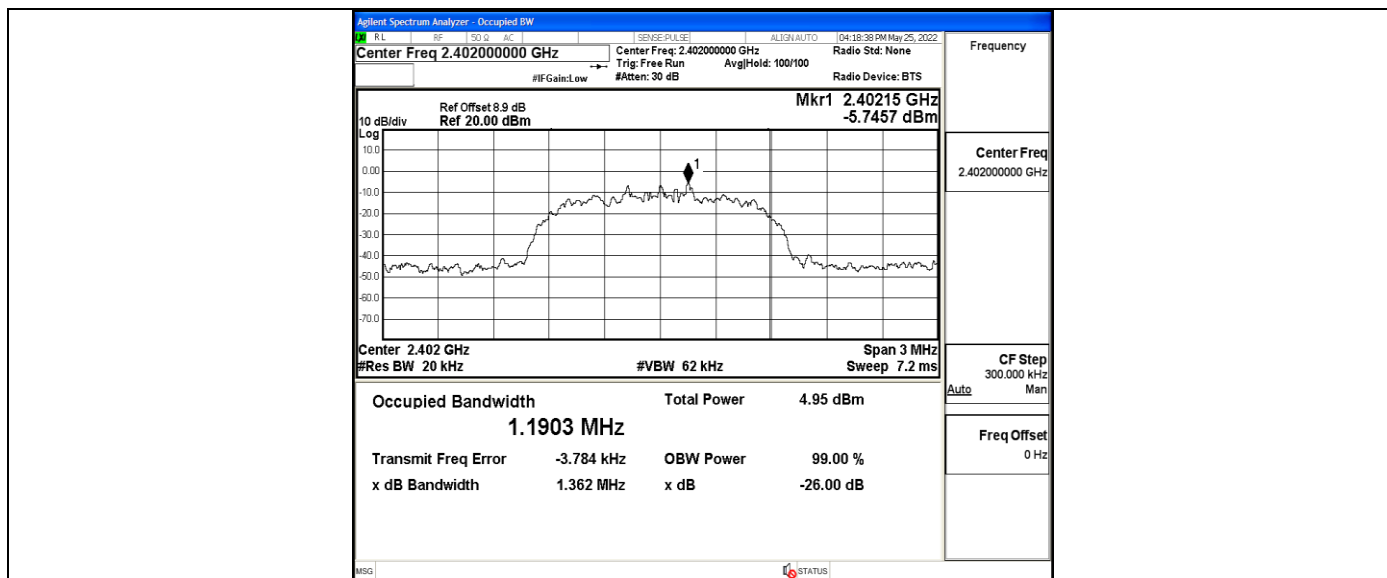
DH5_Ant1_2441



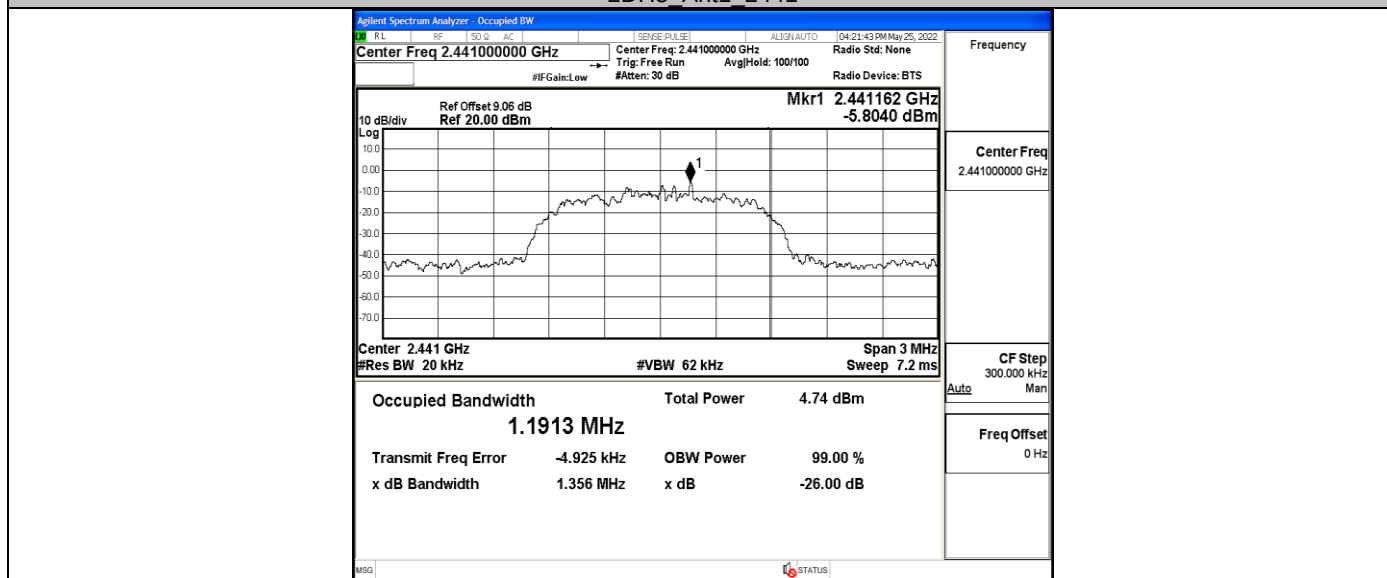
DH5_Ant1_2480



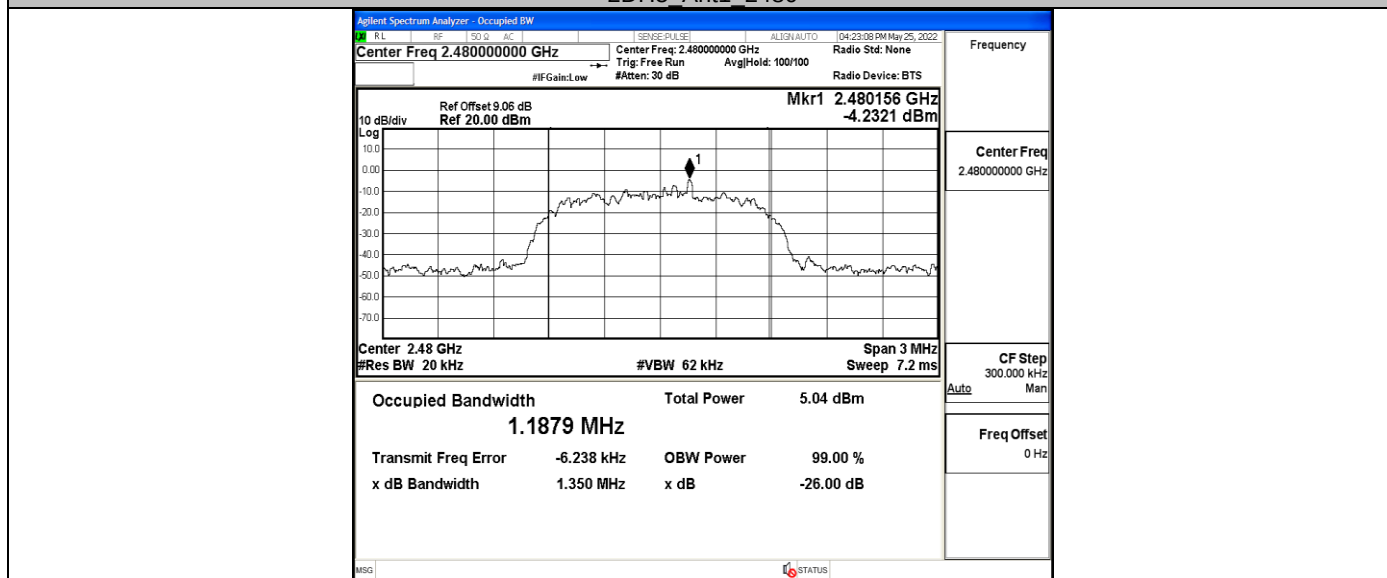
2DH5_Ant1_2402



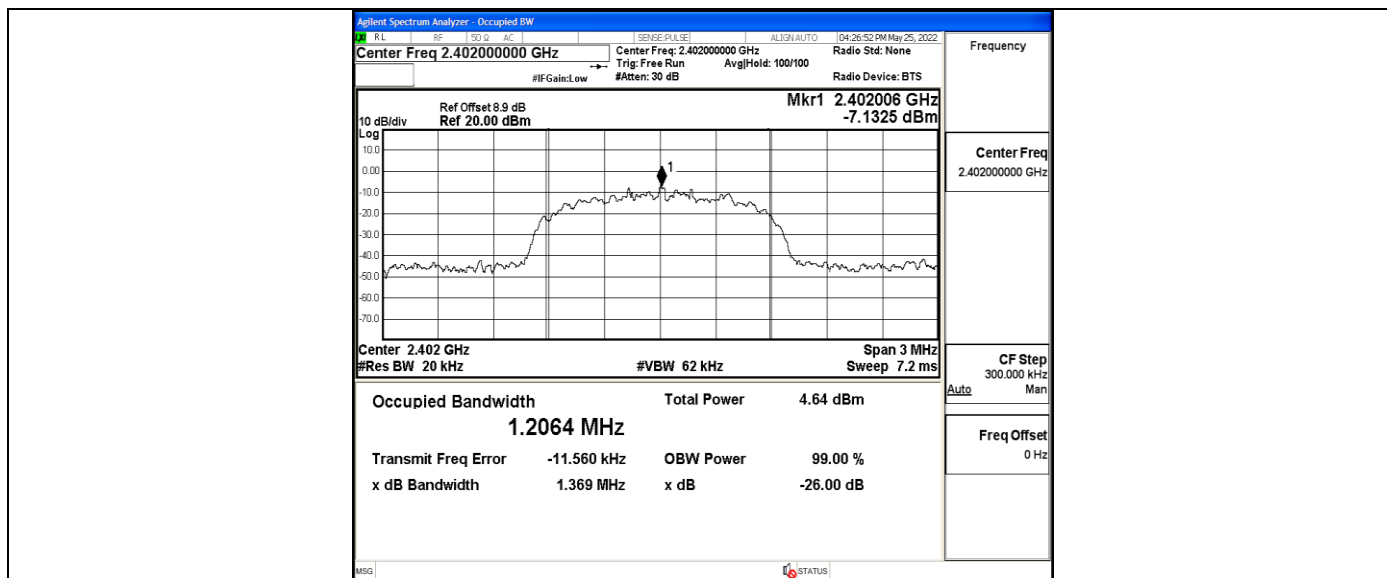
2DH5_Ant1_2441



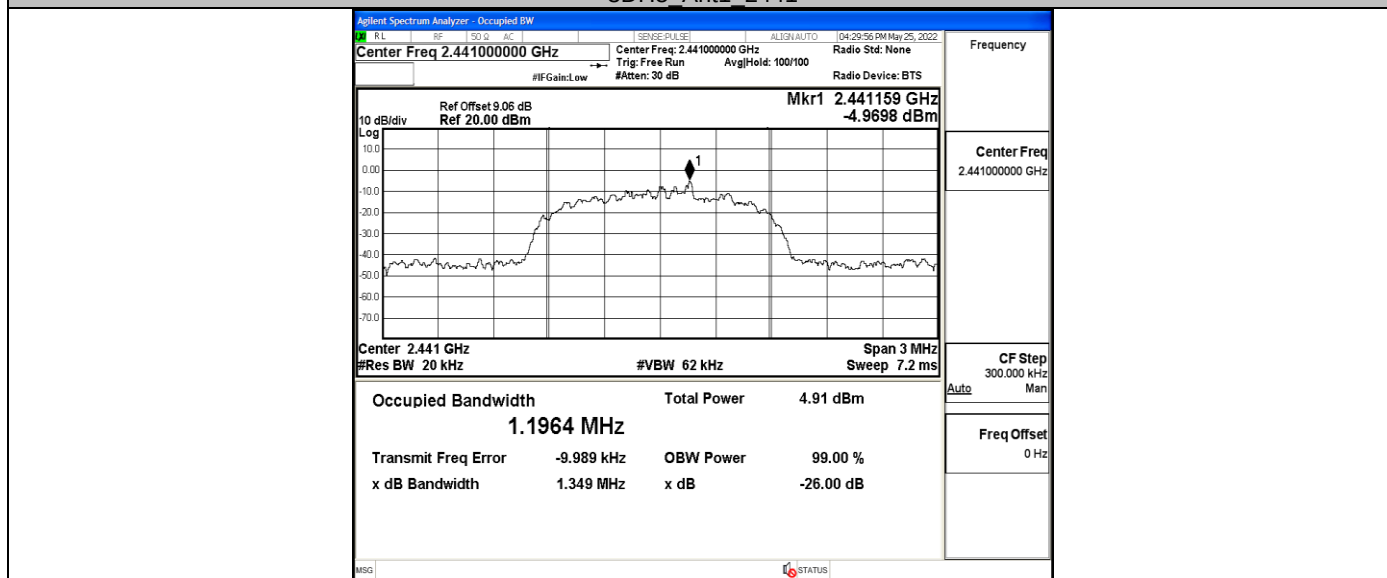
2DH5_Ant1_2480



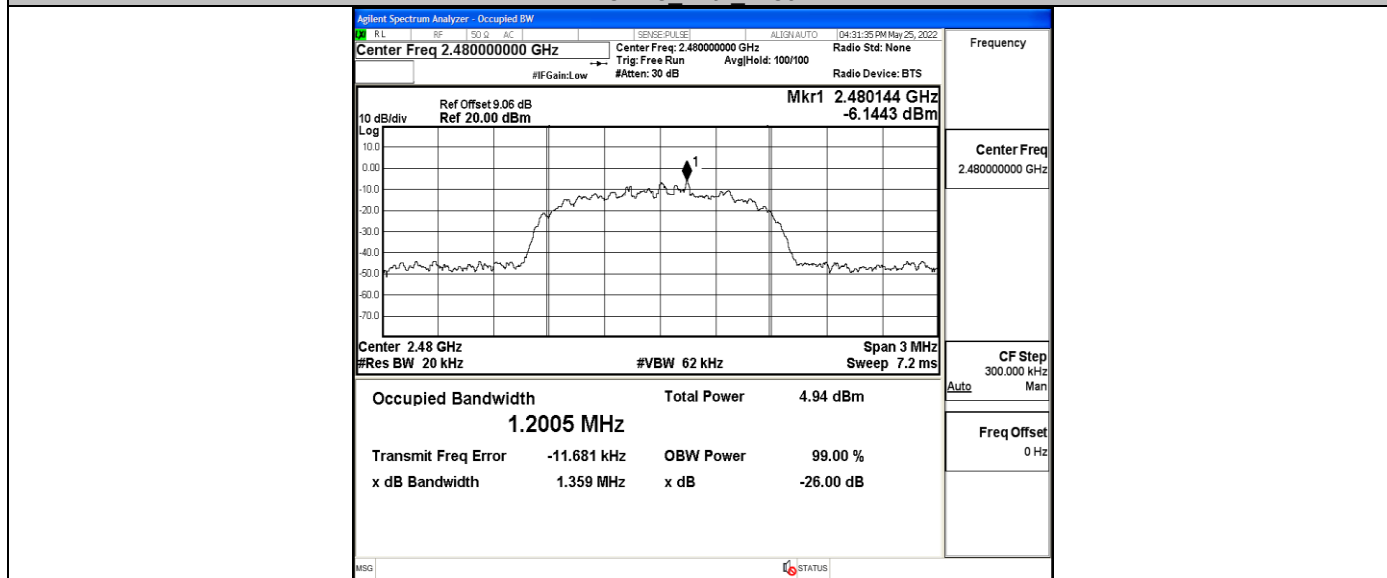
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

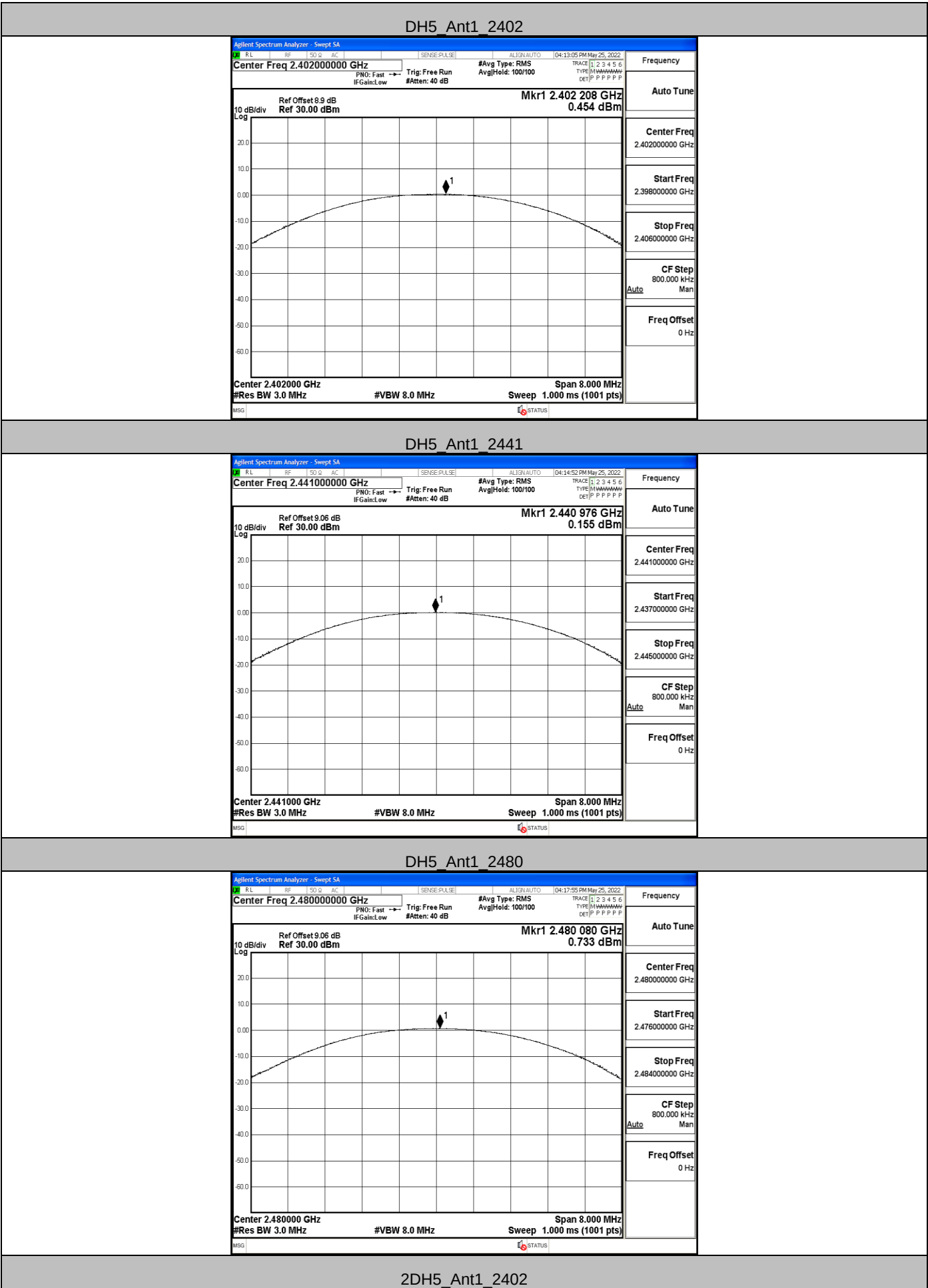


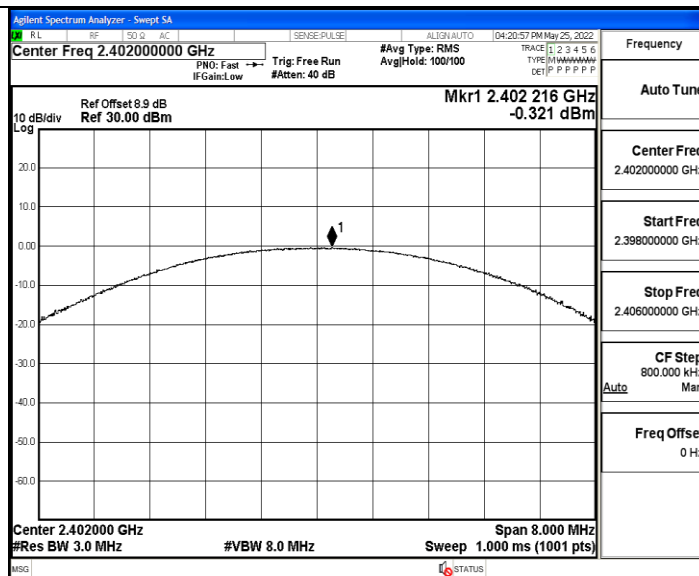
Appendix C: Peak conducted output power

Test Result

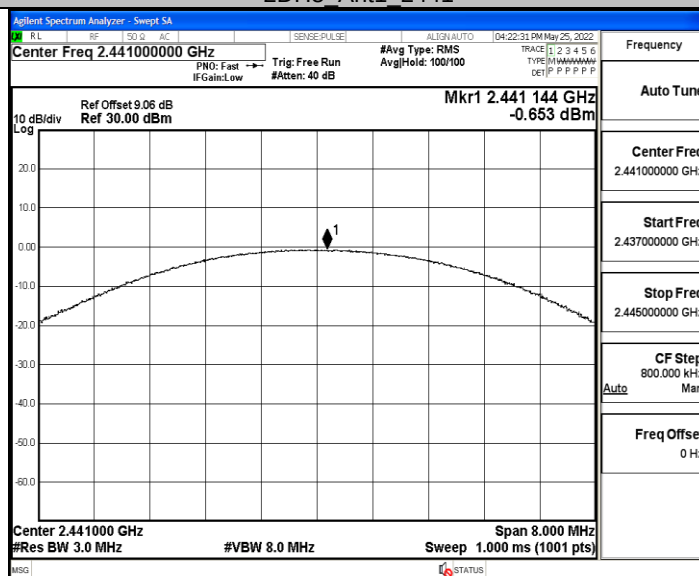
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.45	≤30.0	PASS
		2441	0.16	≤30.0	PASS
		2480	0.73	≤30.0	PASS
2DH5	Ant1	2402	-0.32	≤20.97	PASS
		2441	-0.65	≤20.97	PASS
		2480	-0.15	≤20.97	PASS
3DH5	Ant1	2402	-0.22	≤20.97	PASS
		2441	-0.37	≤20.97	PASS
		2480	0.02	≤20.97	PASS

Test Graphs

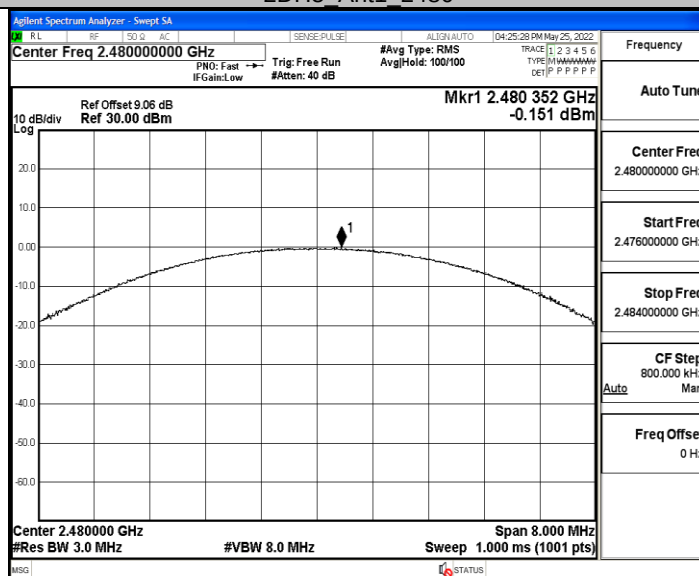




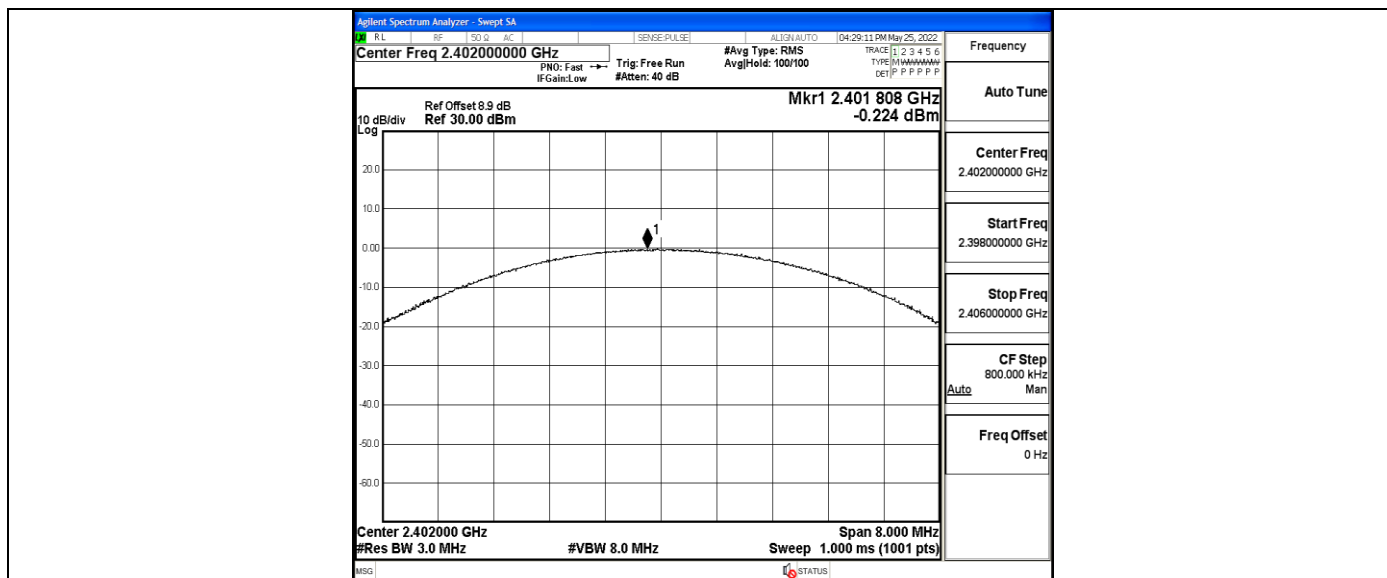
2DH5_Ant1_2441



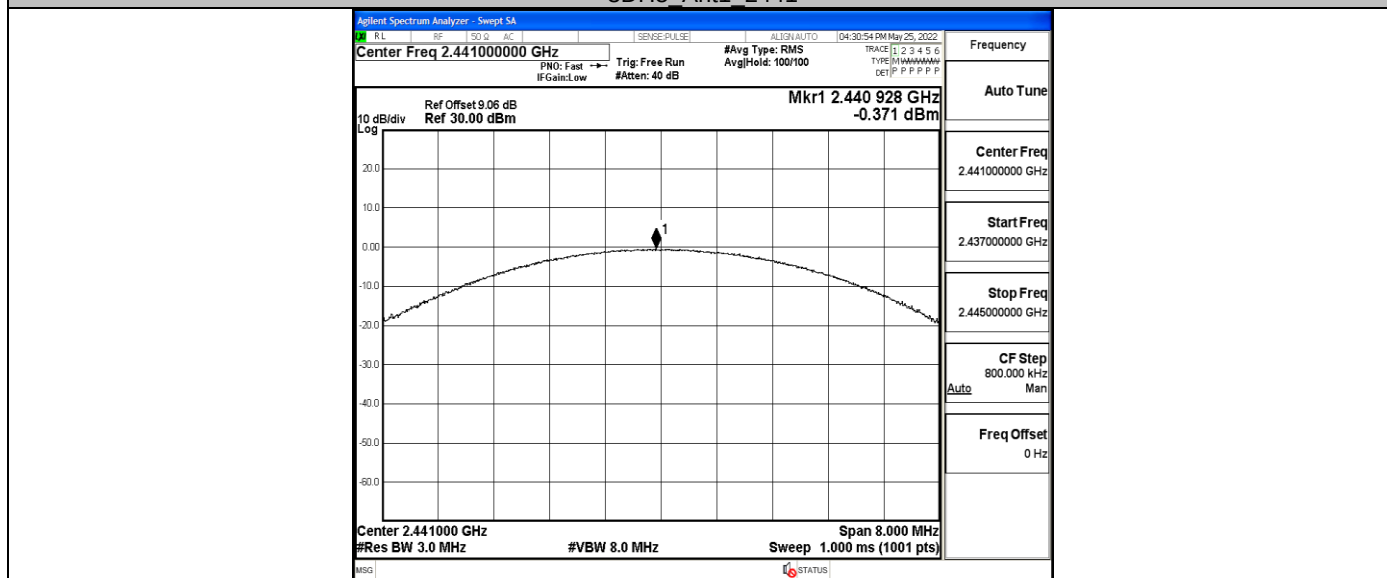
2DH5_Ant1_2480



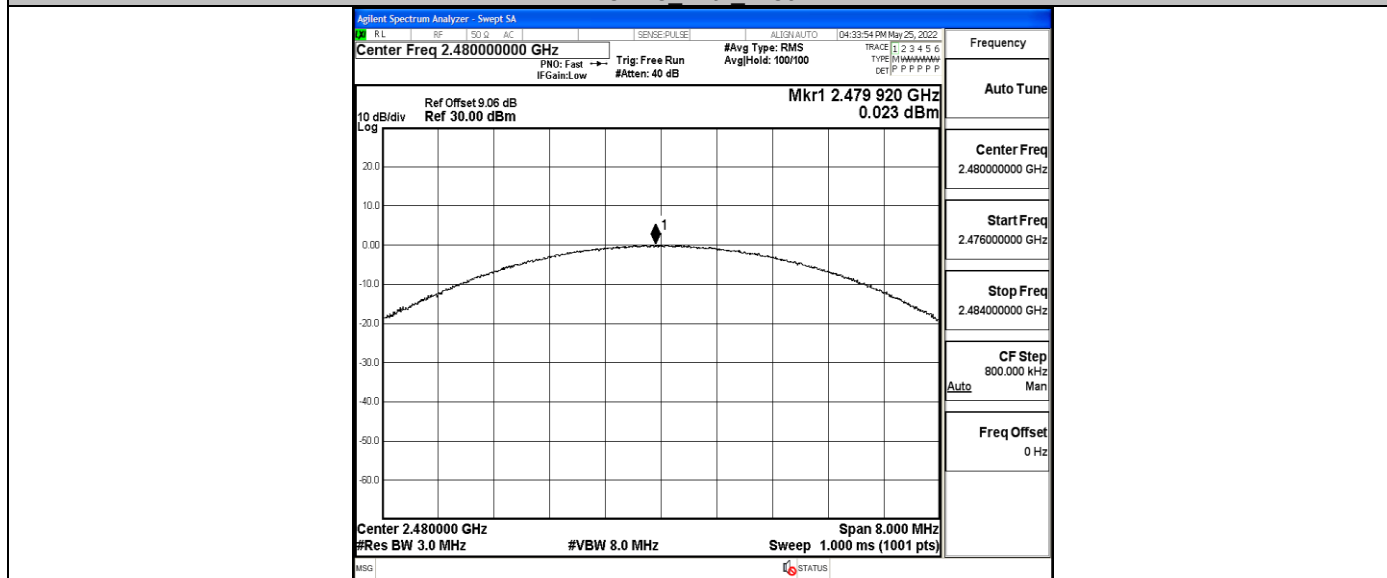
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



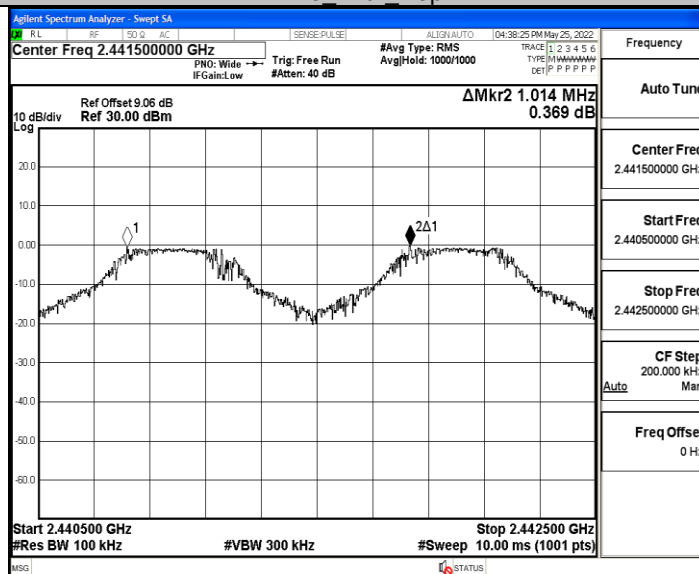
Appendix D: Carrier frequency separation

Test Result

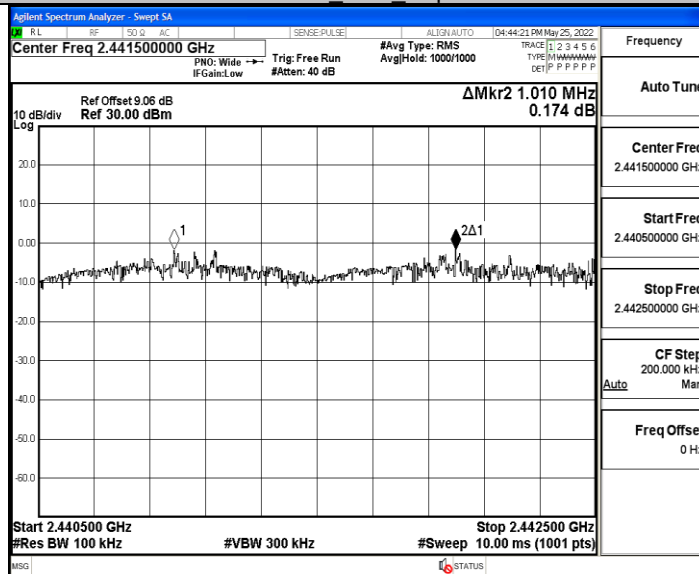
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.948	PASS
2DH5	Ant1	Hop	1.01	≥ 0.898	PASS
3DH5	Ant1	Hop	1.016	≥ 0.876	PASS

Test Graphs

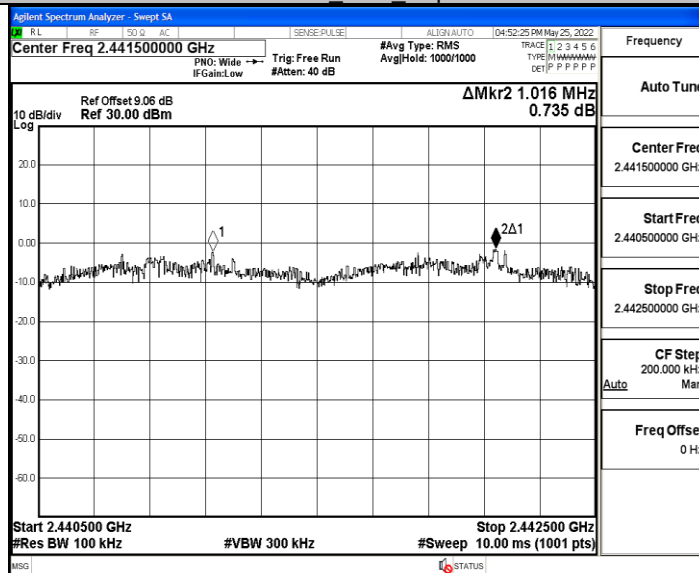
DH5 Ant1 Hop



2DH5 Ant1 Hop



3DH5 Ant1 Hop



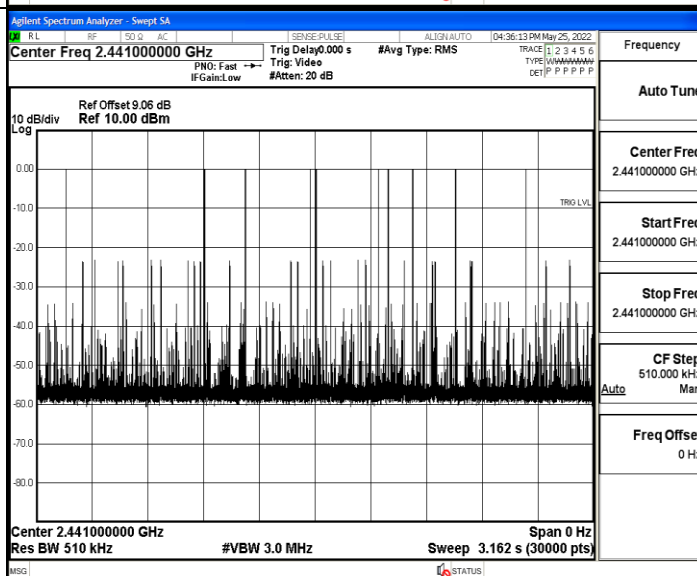
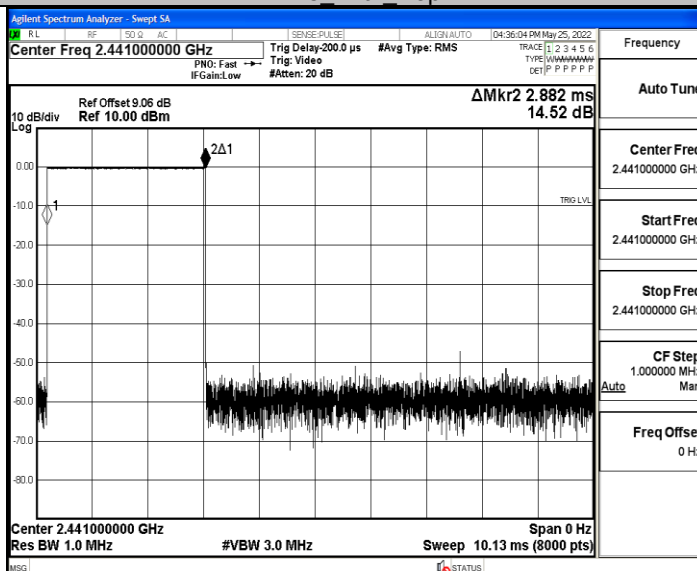
Appendix E: Time of occupancy

Test Result

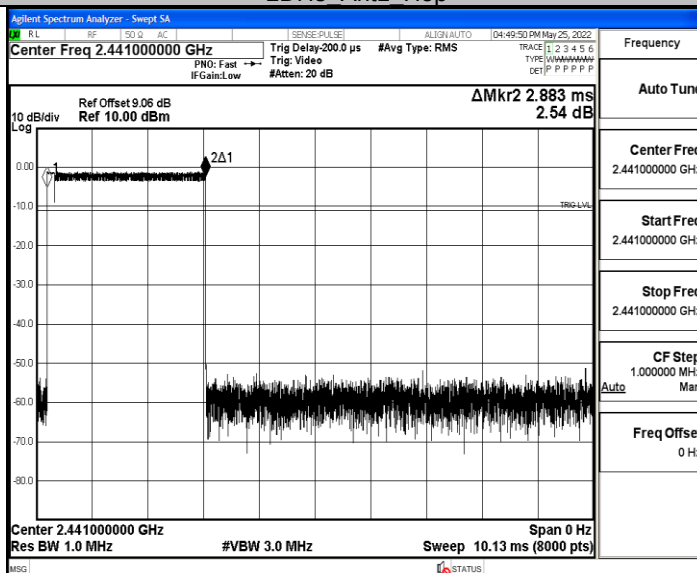
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.88	70	0.202	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

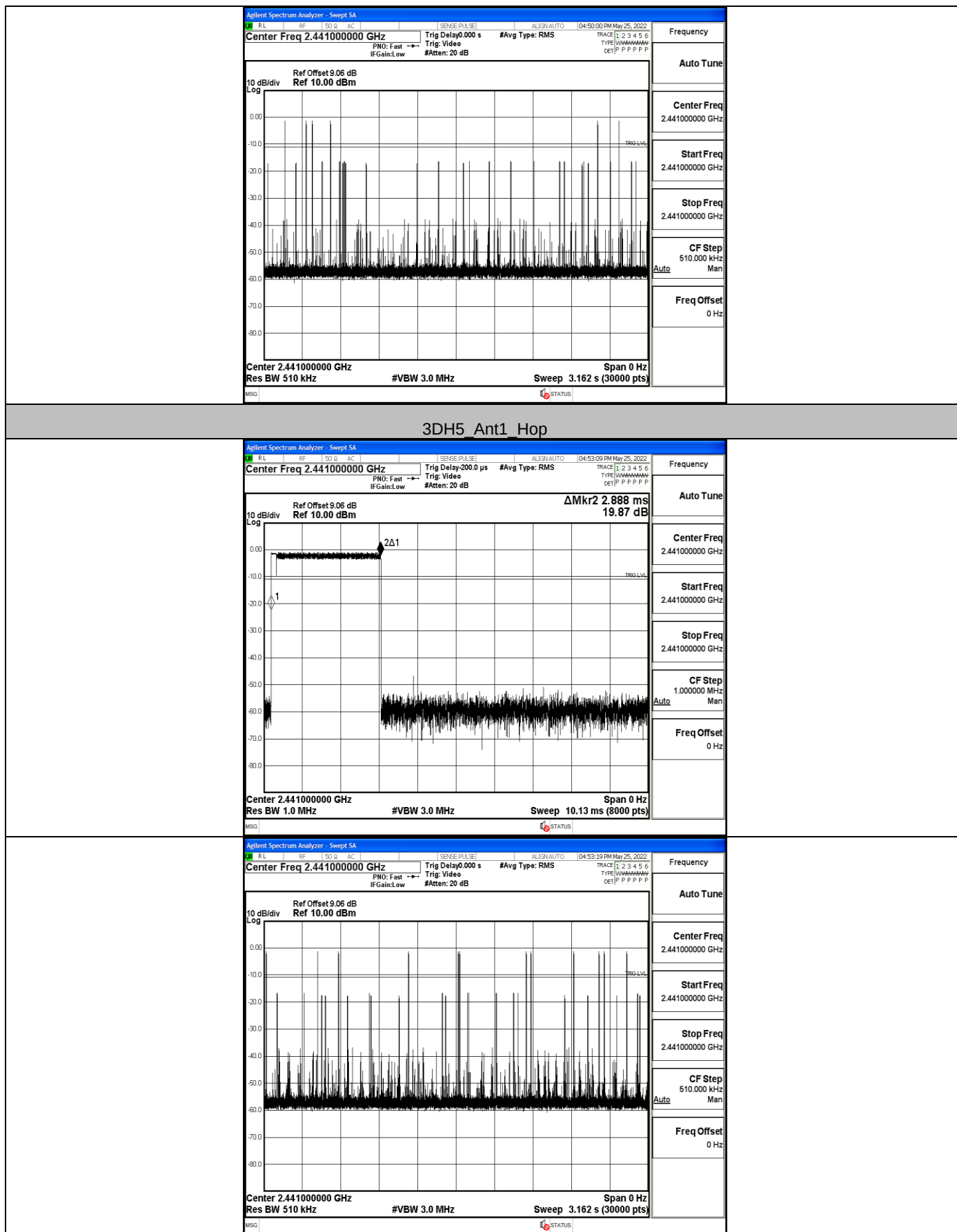
Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





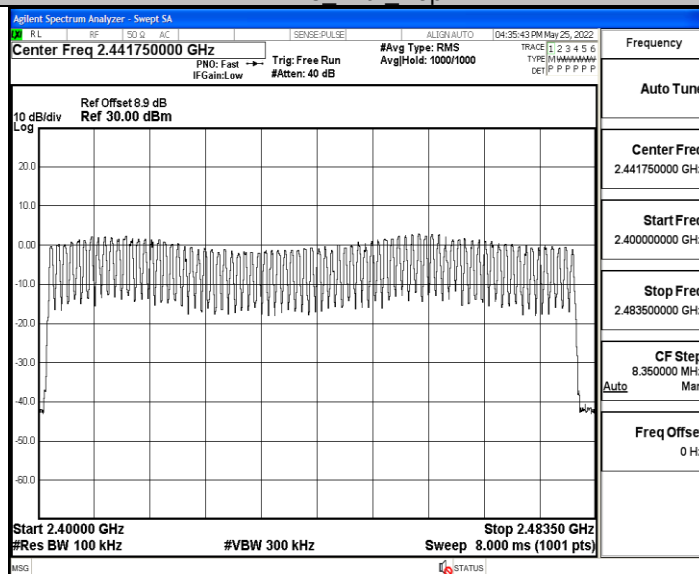
Appendix F: Number of hopping channels

Test Result

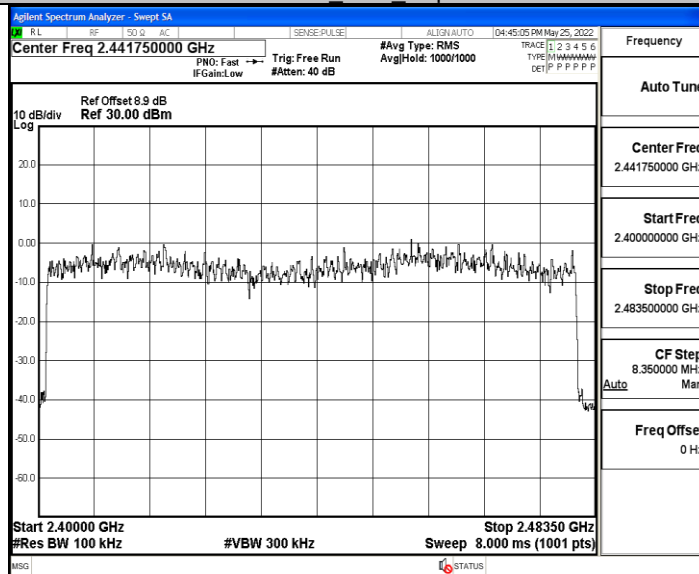
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

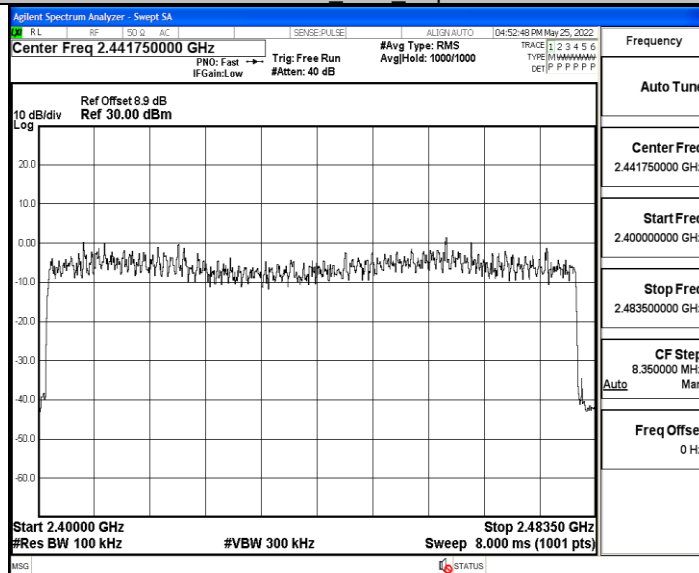
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



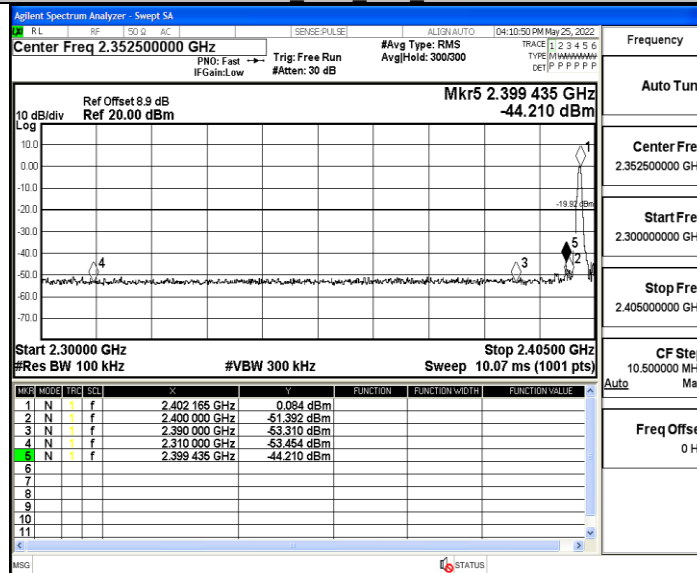
Appendix G: Band edge measurements

Test Result

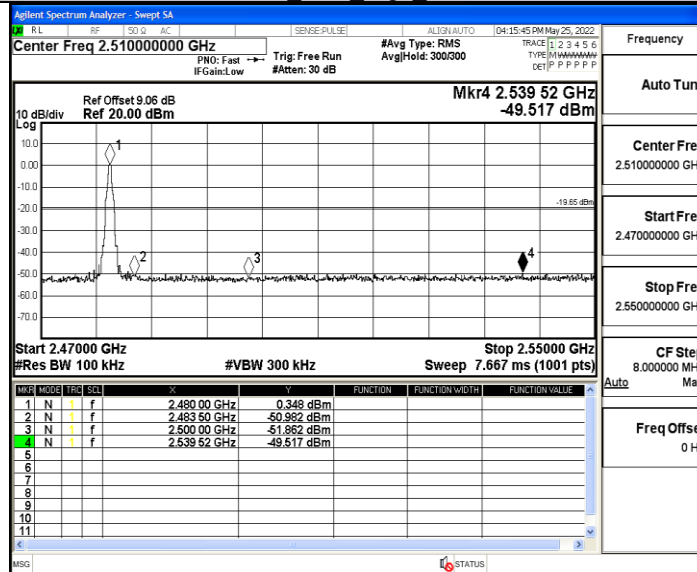
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.08	-44.21	≤ -19.92	PASS
		High	2480	0.35	-49.52	≤ -19.65	PASS
		Low	Hop_2402	0.72	-50.51	≤ -19.28	PASS
		High	Hop_2480	0.19	-49.84	≤ -19.81	PASS
2DH5	Ant1	Low	2402	-1.45	-46.68	≤ -21.45	PASS
		High	2480	-0.91	-49.42	≤ -20.91	PASS
		Low	Hop_2402	-3.50	-51.01	≤ -23.5	PASS
		High	Hop_2480	-3.94	-49.46	≤ -23.94	PASS
3DH5	Ant1	Low	2402	-1.05	-50.42	≤ -21.05	PASS
		High	2480	-1.47	-49.51	≤ -21.47	PASS
		Low	Hop_2402	-5.04	-50.63	≤ -25.04	PASS
		High	Hop_2480	-1.89	-49.49	≤ -21.89	PASS

Test Graphs

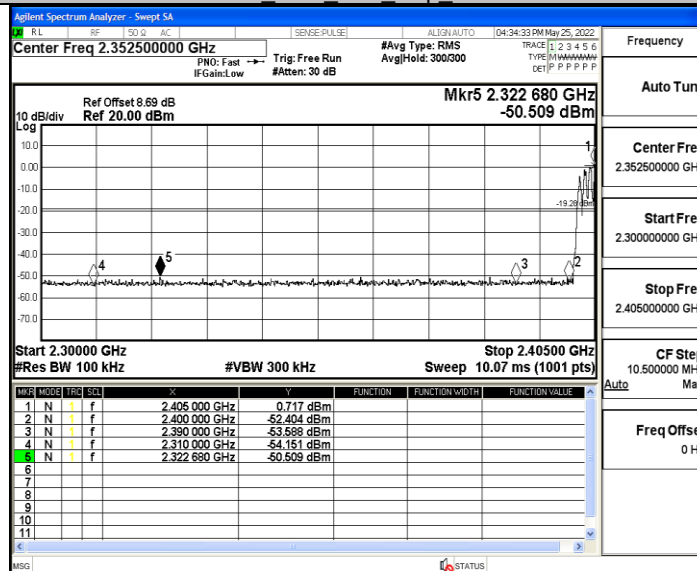
DH5_Ant1_Low_2402



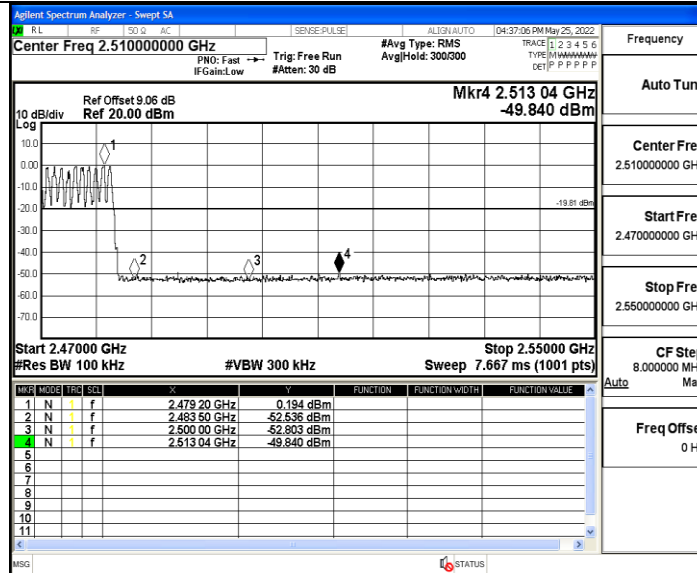
DH5_Ant1_High_2480



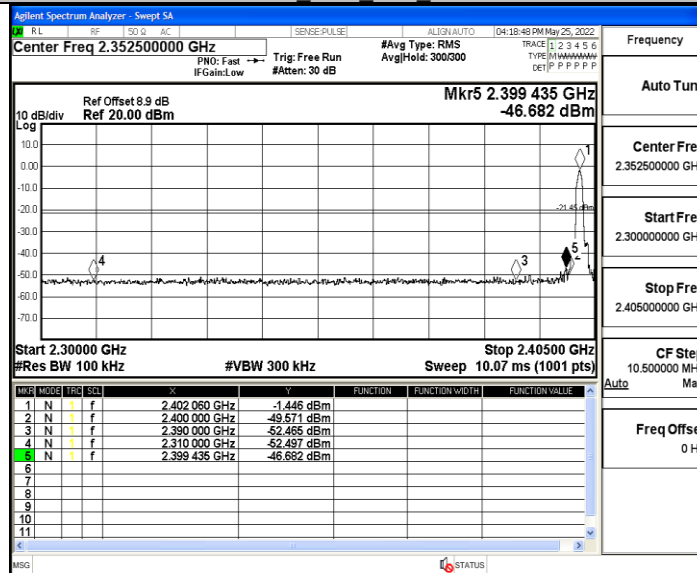
DH5_Ant1_Low_Hop_2402



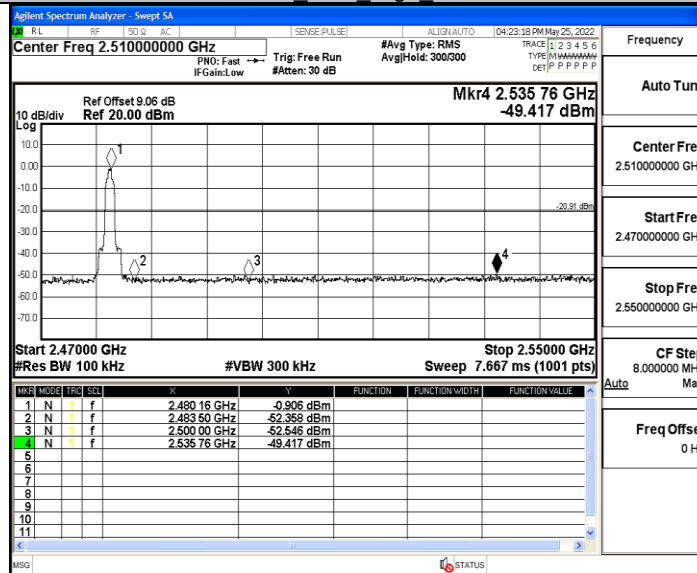
DH5_Ant1_High_Hop_2480



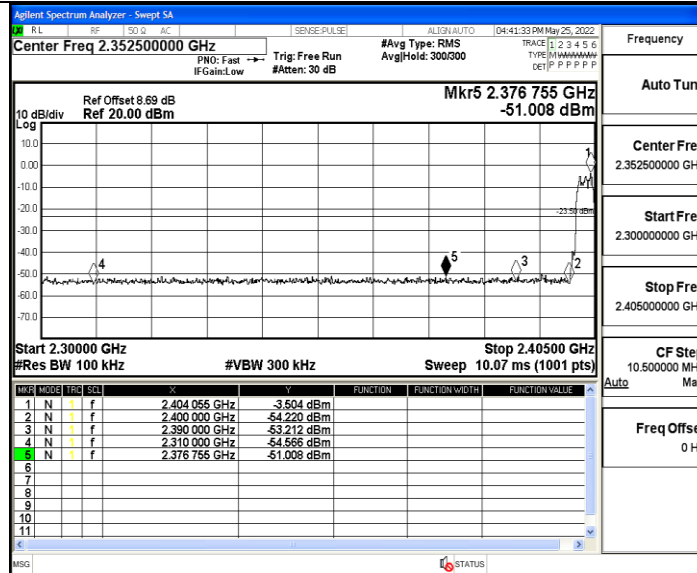
2DH5 Ant1 Low 2402



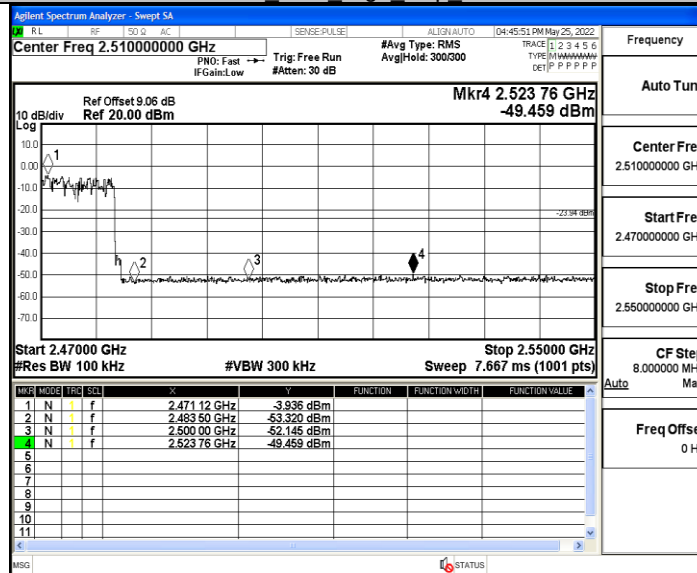
2DH5 Ant1 High 2480



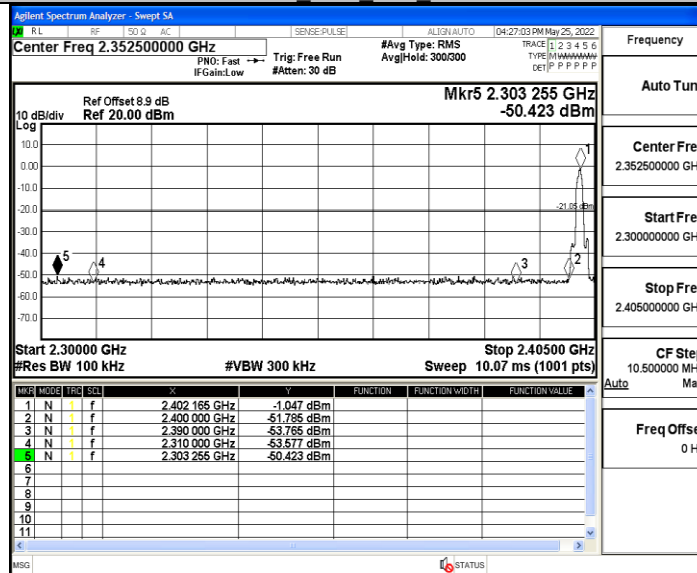
2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480



3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



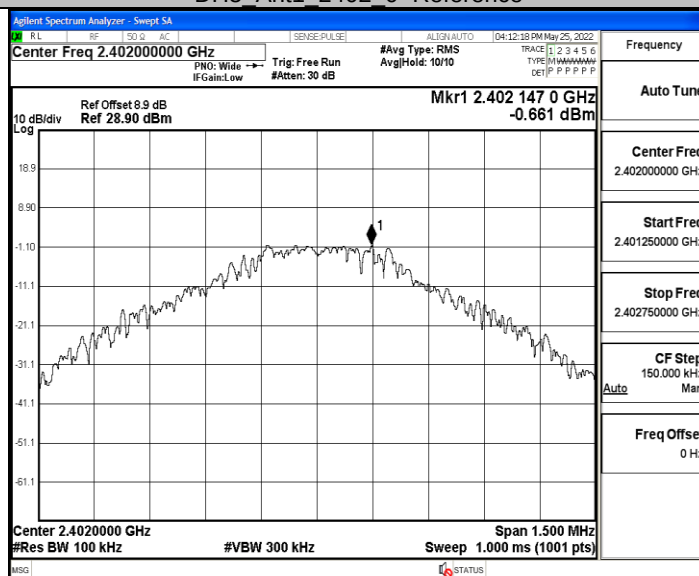
Appendix H: Conducted Spurious Emissions

Test Result

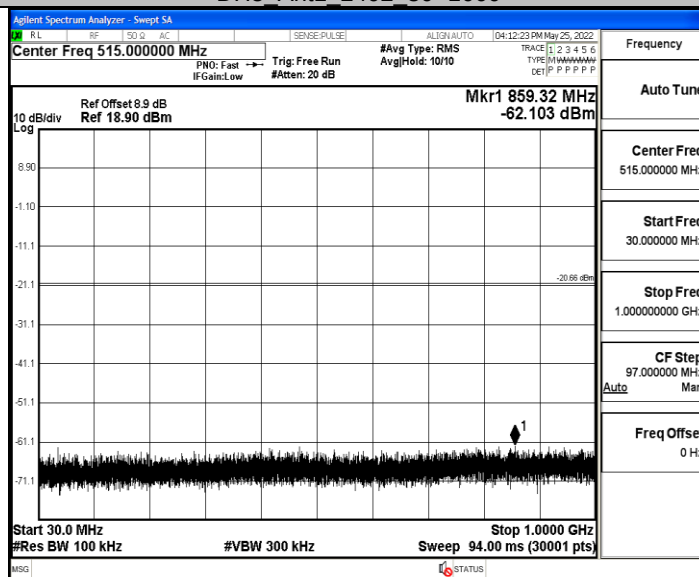
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-62.1	≤-20.66	PASS
			1000~26500	-0.66	-50.85	≤-20.66	PASS
		2441	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-61.88	≤-20.78	PASS
			1000~26500	-0.78	-51.44	≤-20.78	PASS
		2480	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-61.82	≤-20.26	PASS
			1000~26500	-0.26	-51.24	≤-20.26	PASS
2DH5	Ant1	2402	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-60.43	≤-24.54	PASS
			1000~26500	-4.54	-51.27	≤-24.54	PASS
		2441	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-60	≤-25.49	PASS
			1000~26500	-5.49	-51.34	≤-25.49	PASS
		2480	Reference	-4.11	-4.11	---	PASS
			30~1000	-4.11	-61.6	≤-24.11	PASS
			1000~26500	-4.11	-50.76	≤-24.11	PASS
3DH5	Ant1	2402	Reference	-2.28	-2.28	---	PASS
			30~1000	-2.28	-60.95	≤-22.28	PASS
			1000~26500	-2.28	-50.86	≤-22.28	PASS
		2441	Reference	-2.28	-2.28	---	PASS
			30~1000	-2.28	-61.46	≤-22.28	PASS
			1000~26500	-2.28	-52.11	≤-22.28	PASS
		2480	Reference	-1.27	-1.27	---	PASS
			30~1000	-1.27	-60.82	≤-21.27	PASS
			1000~26500	-1.27	-51.62	≤-21.27	PASS

Test Graphs

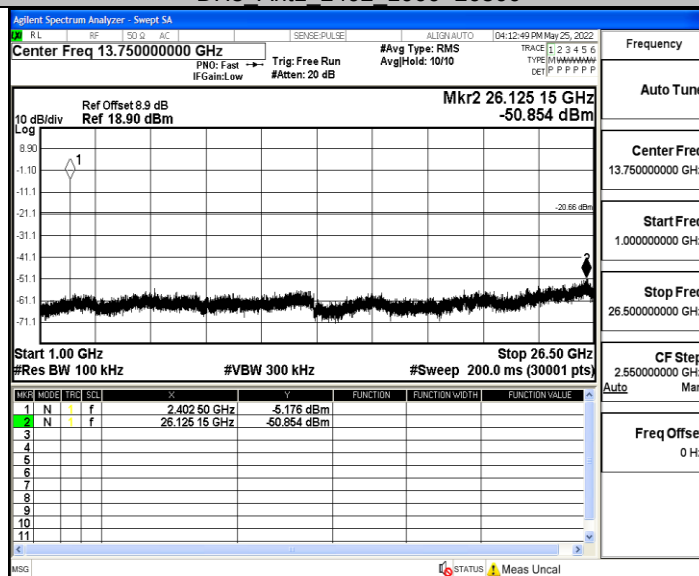
DH5_Ant1_2402_0~Reference



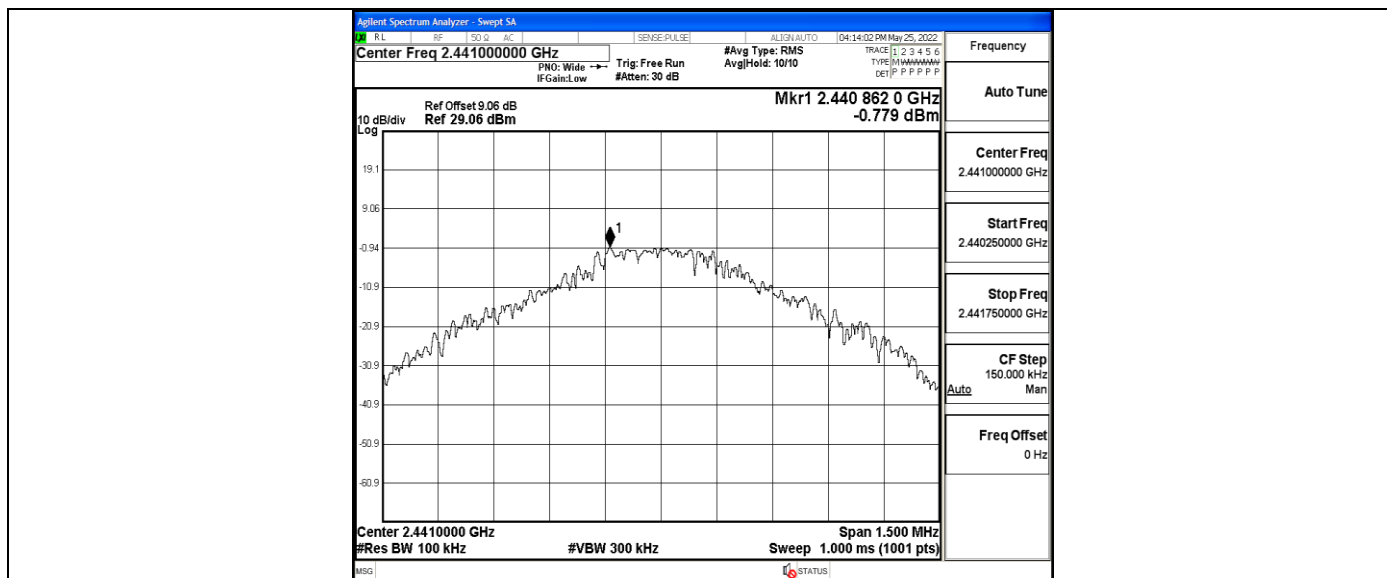
DH5_Ant1_2402_30~1000



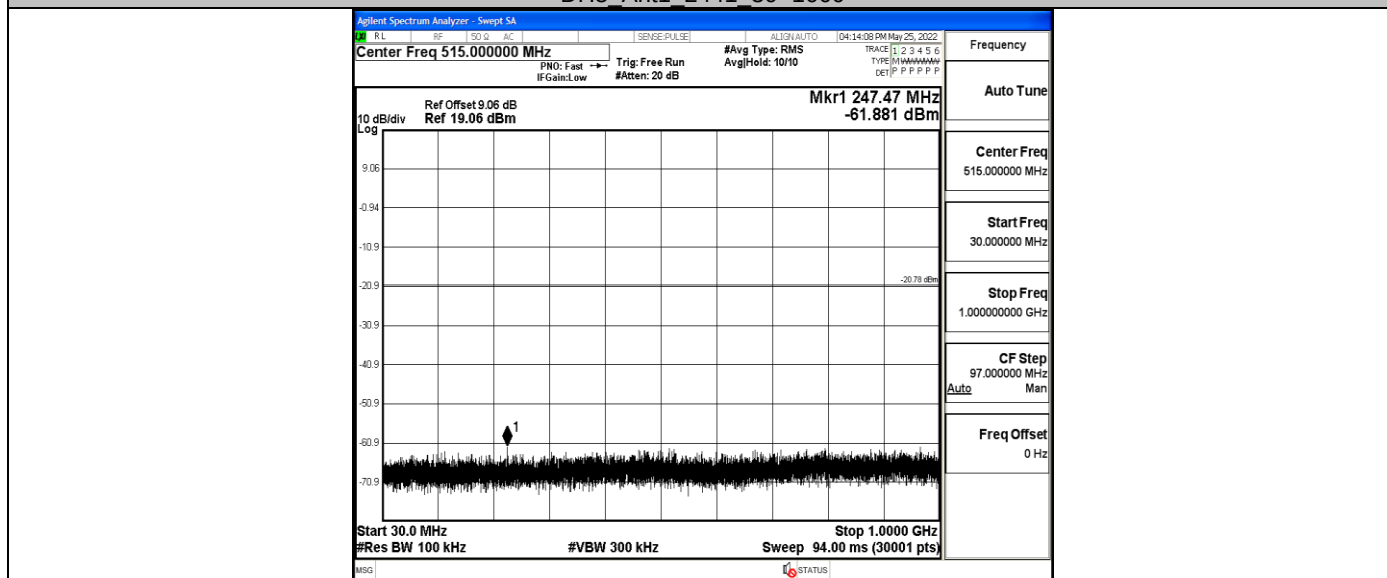
DH5_Ant1_2402_1000~26500



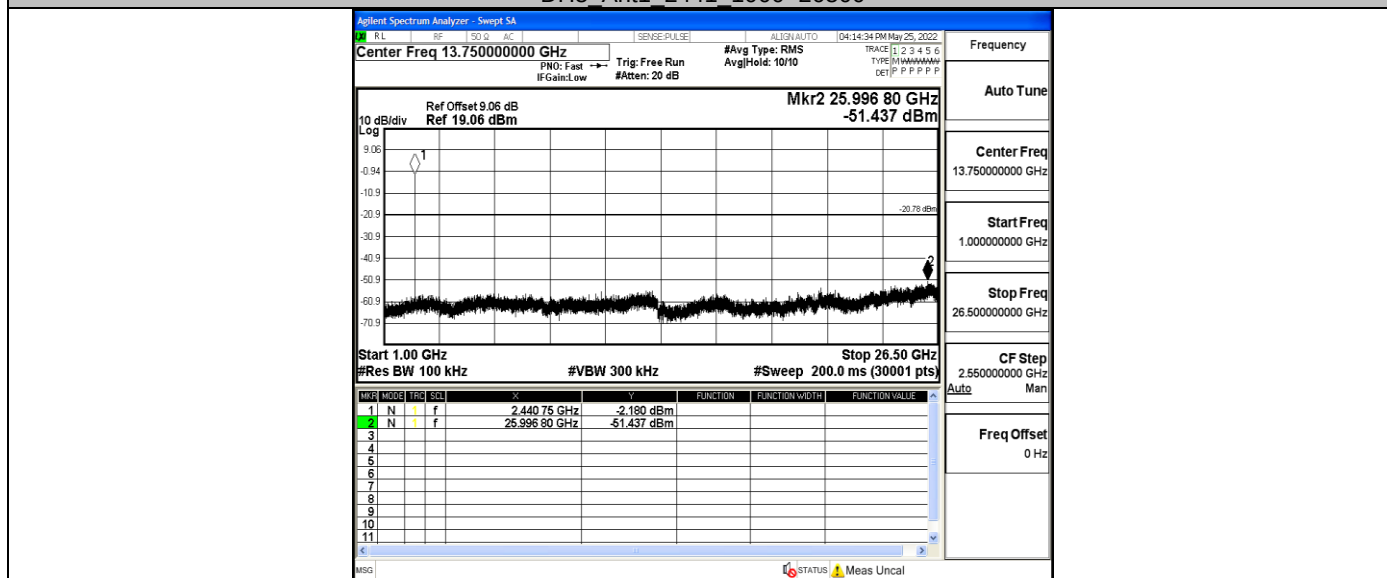
DH5_Ant1_2441_0~Reference



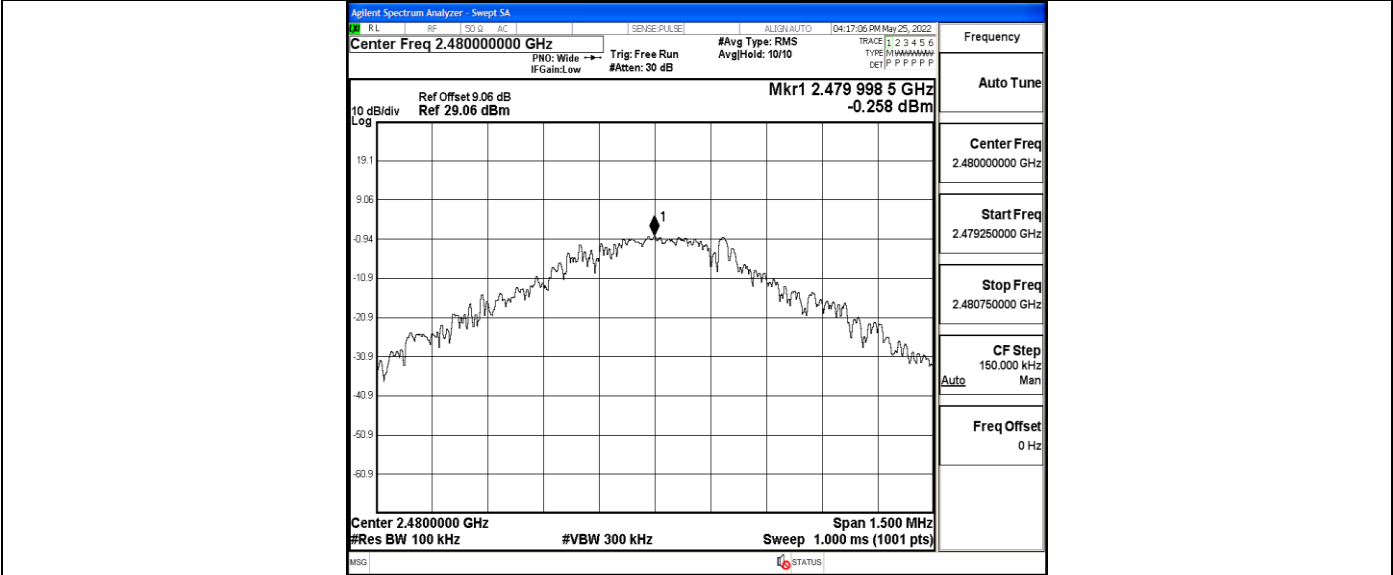
DH5_Ant1_2441_30~1000



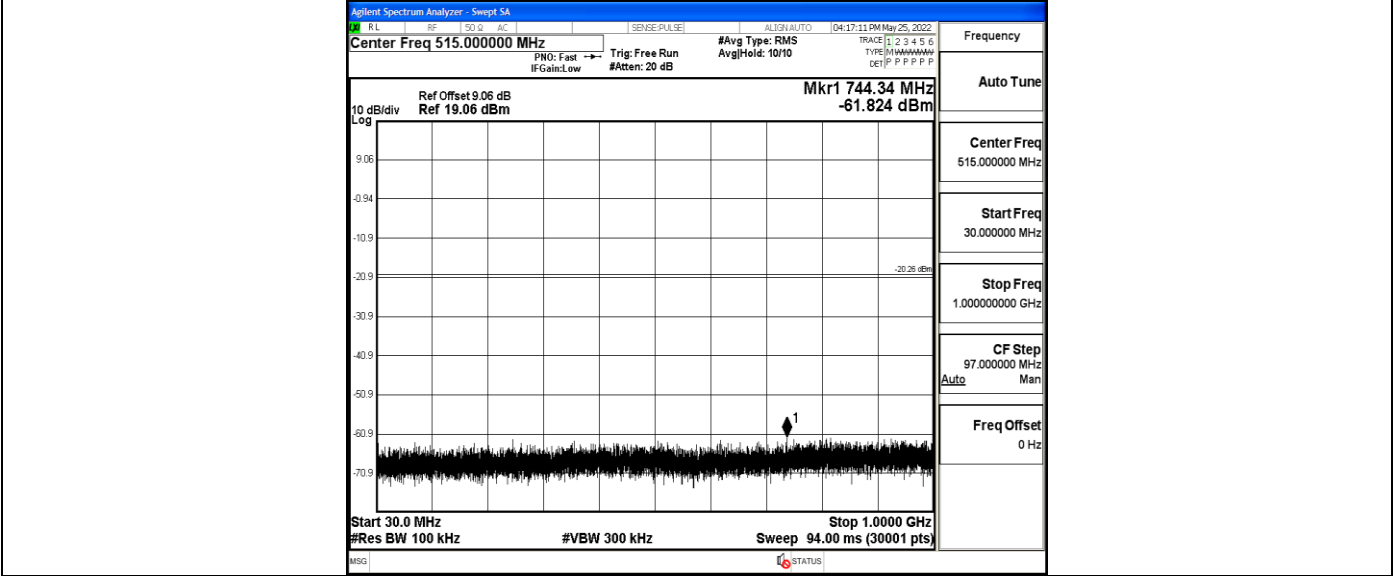
DH5_Ant1_2441_1000~26500



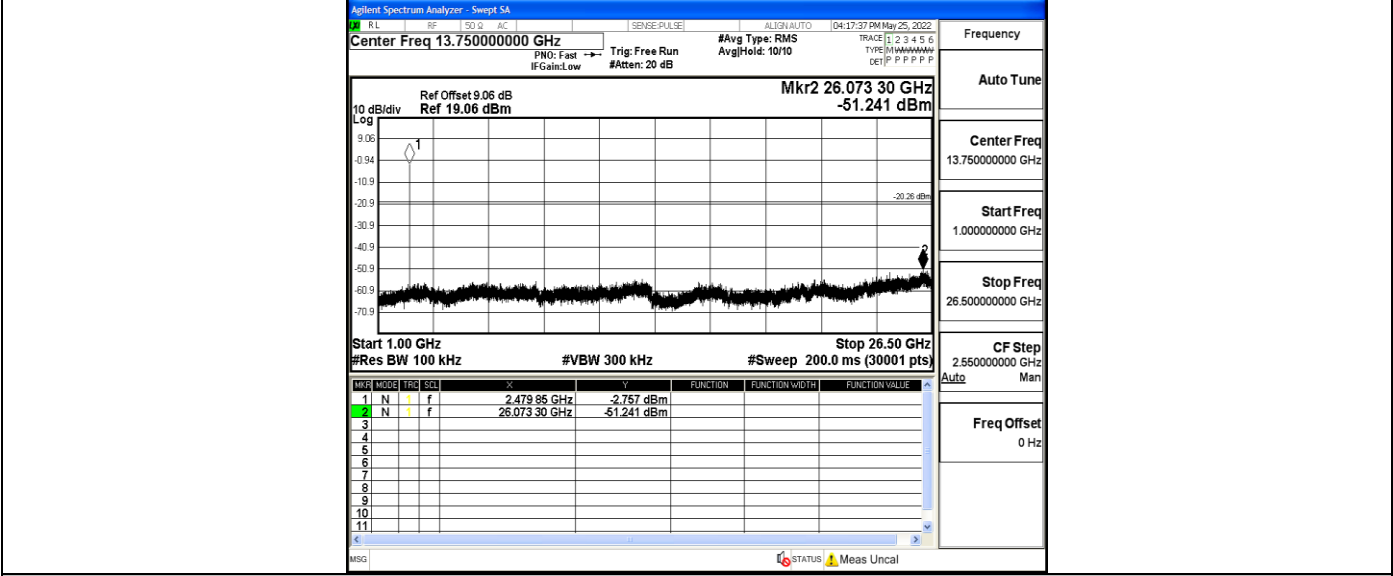
DH5_Ant1_2480_0~Reference



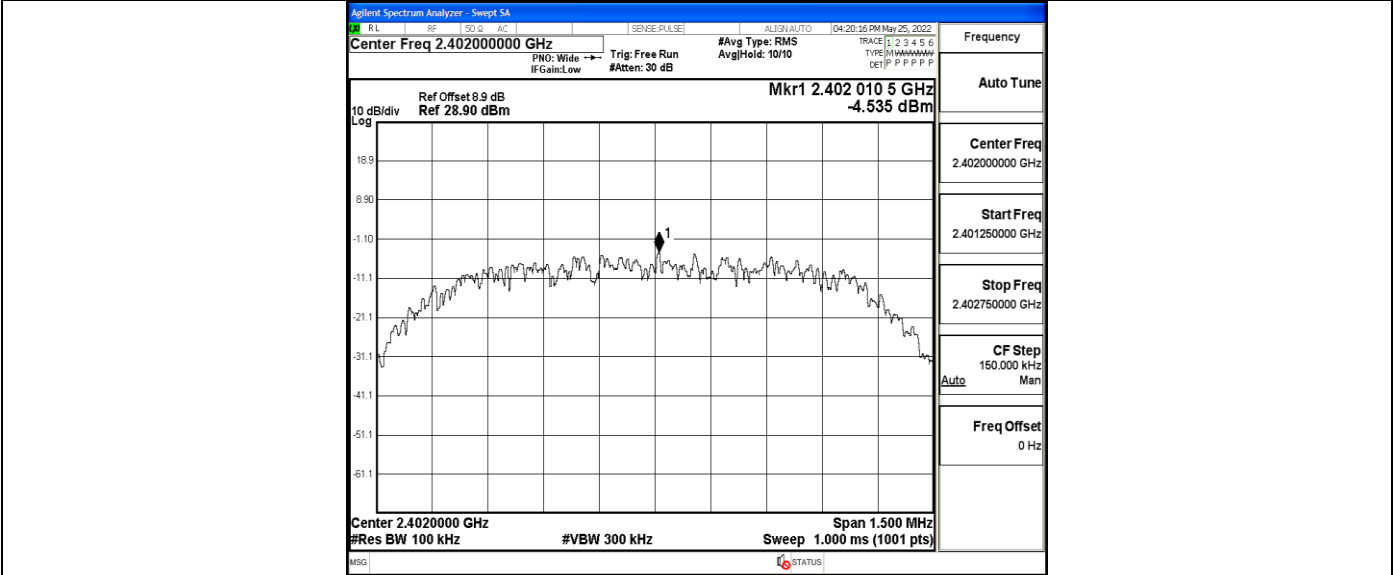
DH5 Ant1 2480 30~1000



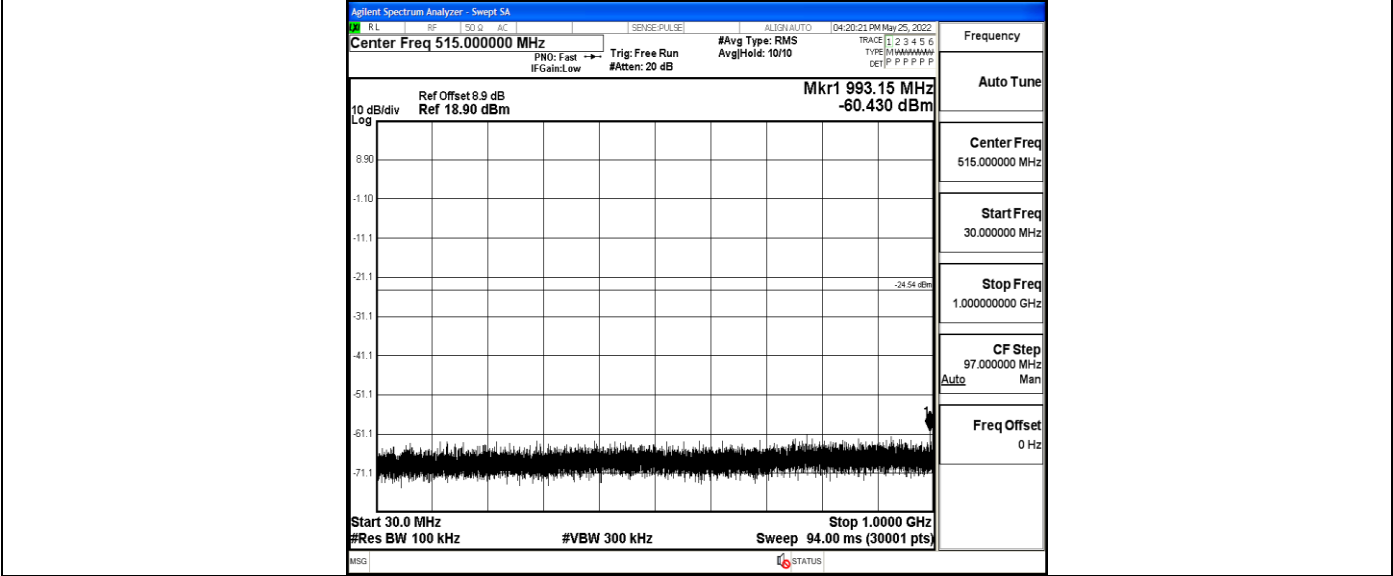
DH5 Ant1 2480 1000~26500



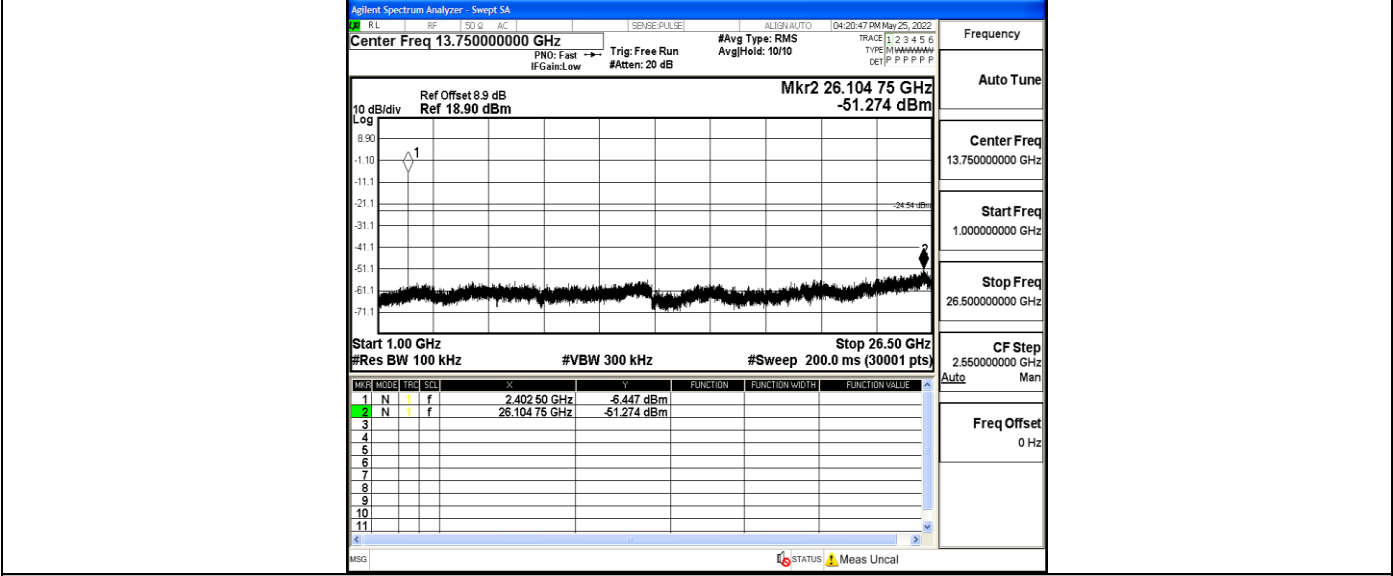
2DH5 Ant1 2402 0~Reference



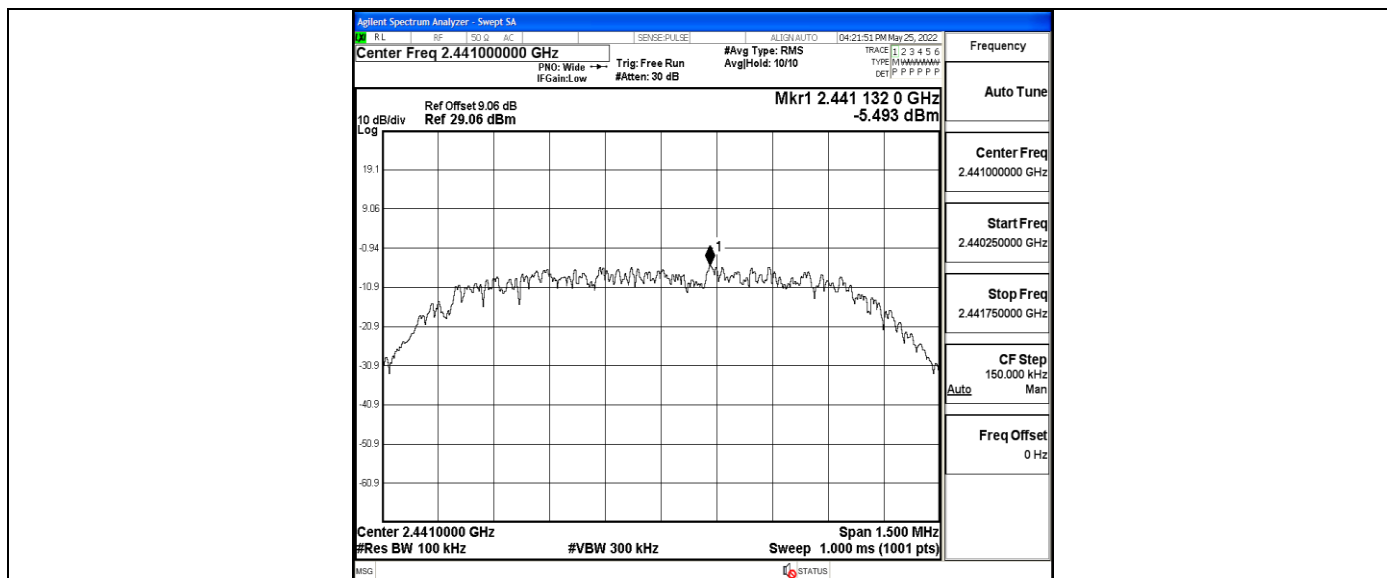
2DH5 Ant1 2402 30~1000



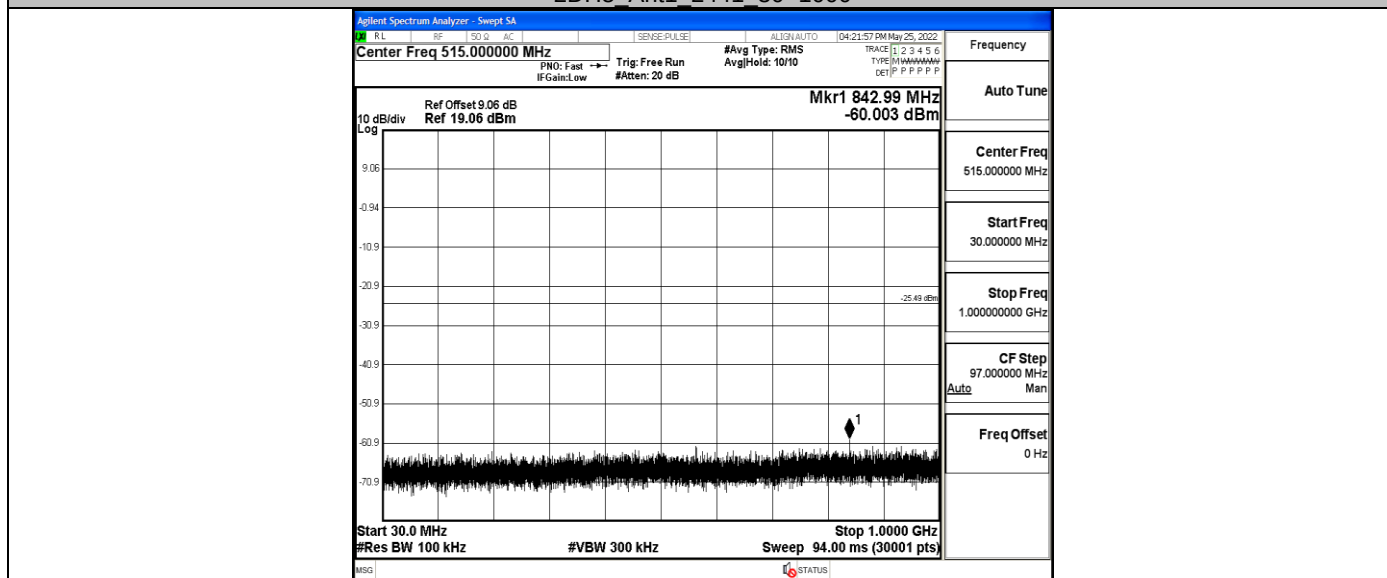
2DH5 Ant1 2402 1000~26500



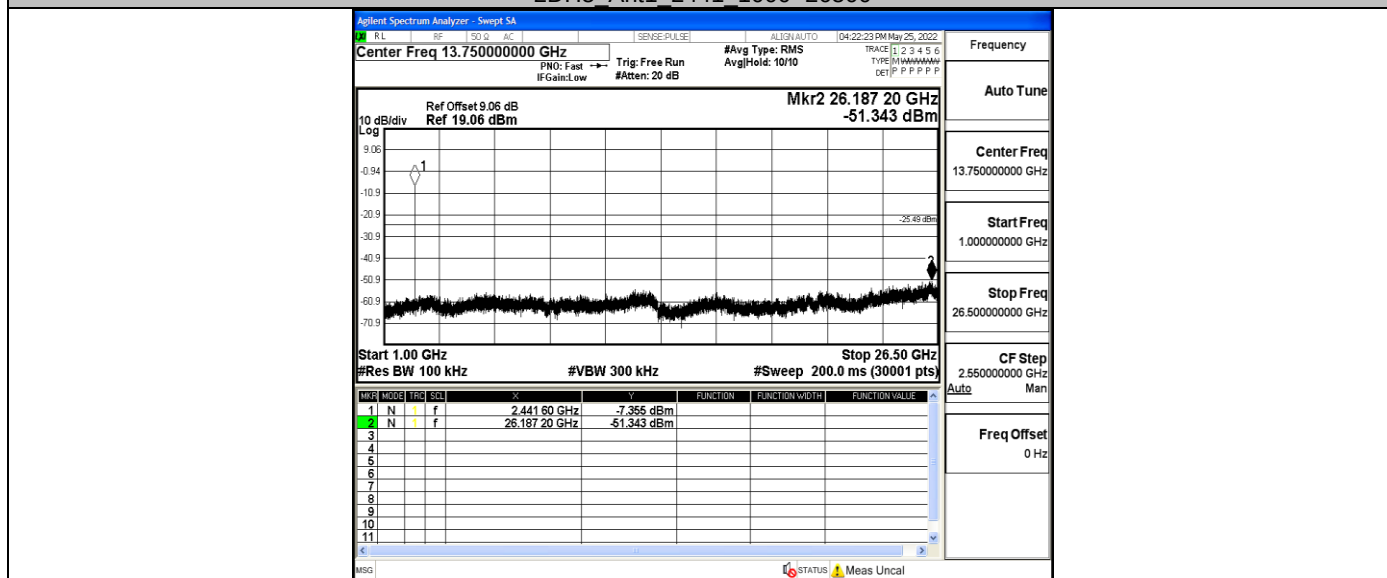
2DH5 Ant1 2441 0~Reference



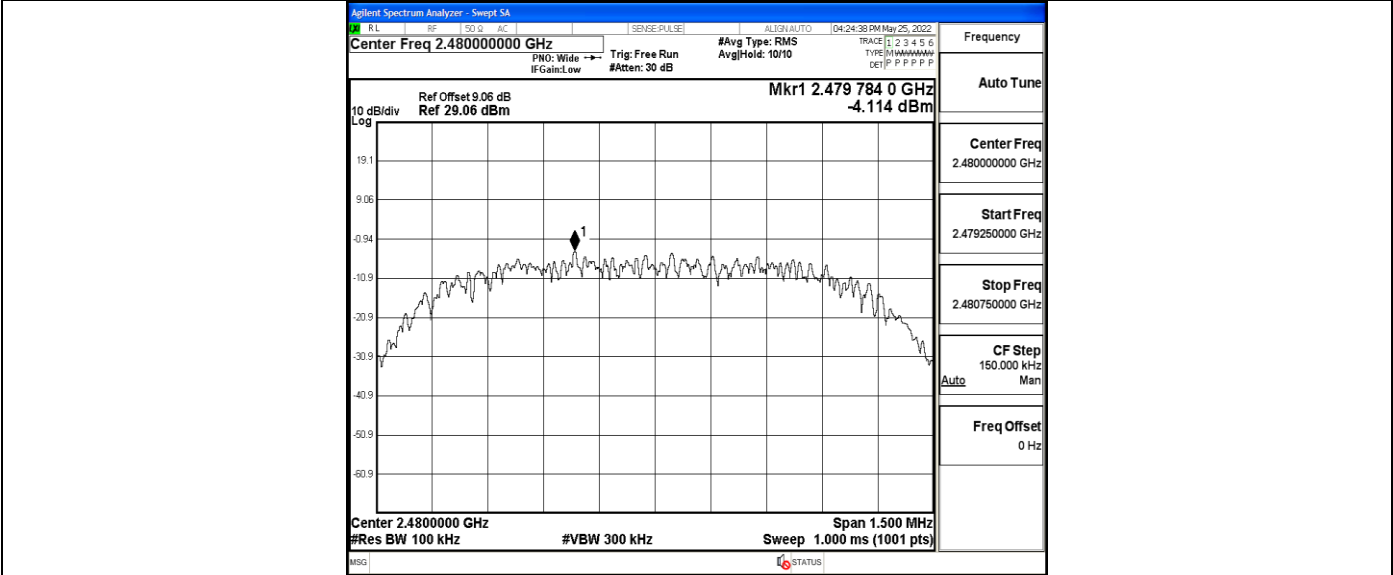
2DH5 Ant1 2441 30~1000



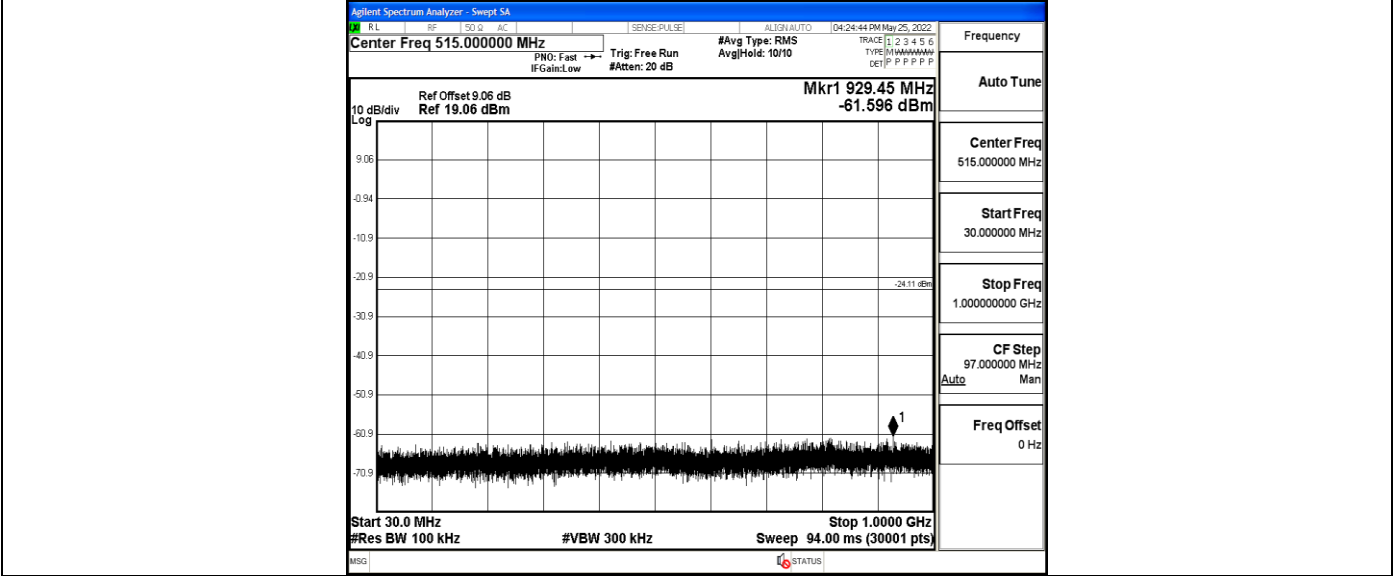
2DH5 Ant1 2441 1000~26500



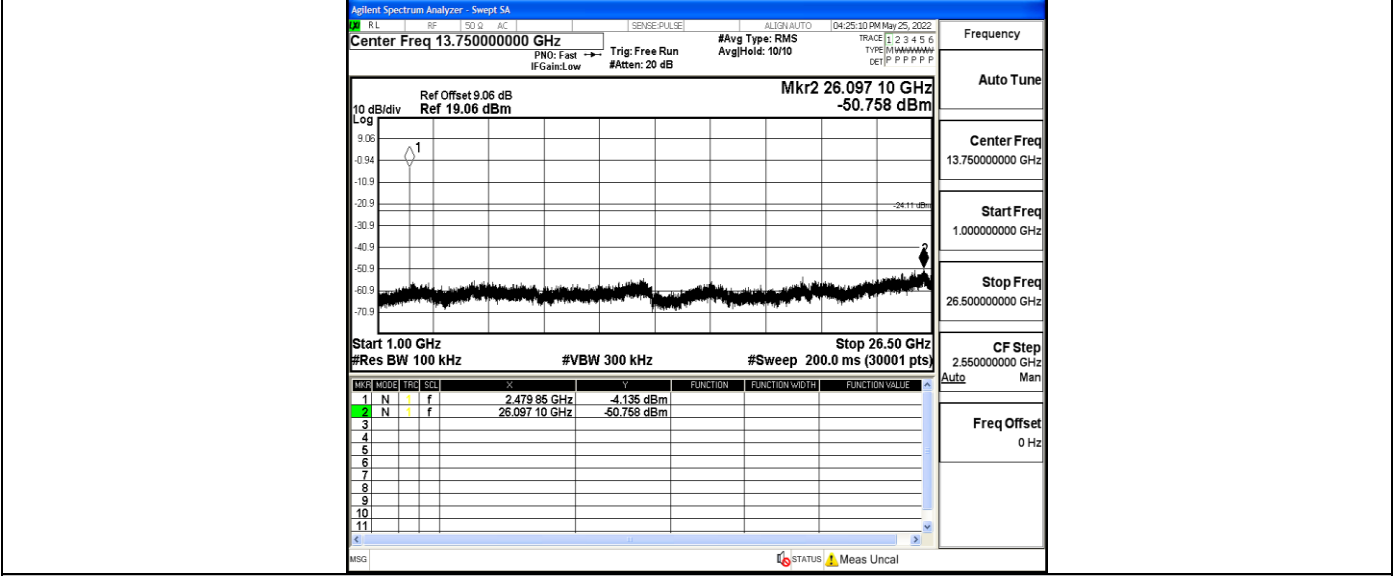
2DH5 Ant1 2480 0~Reference



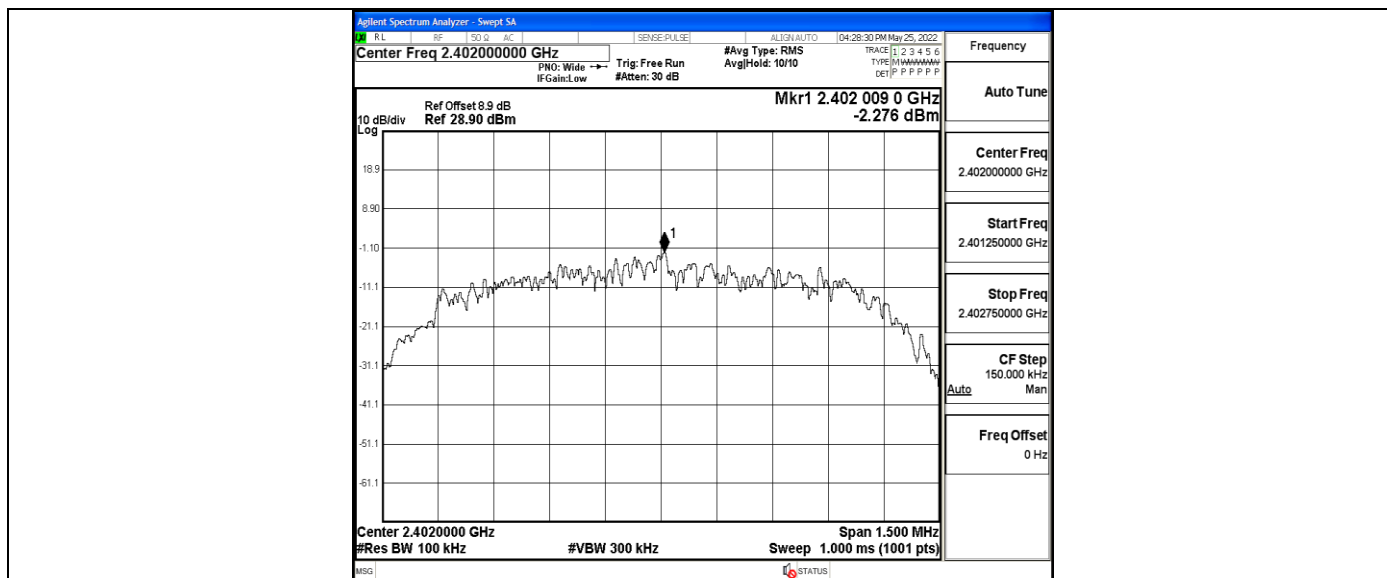
2DH5 Ant1 2480 30~1000



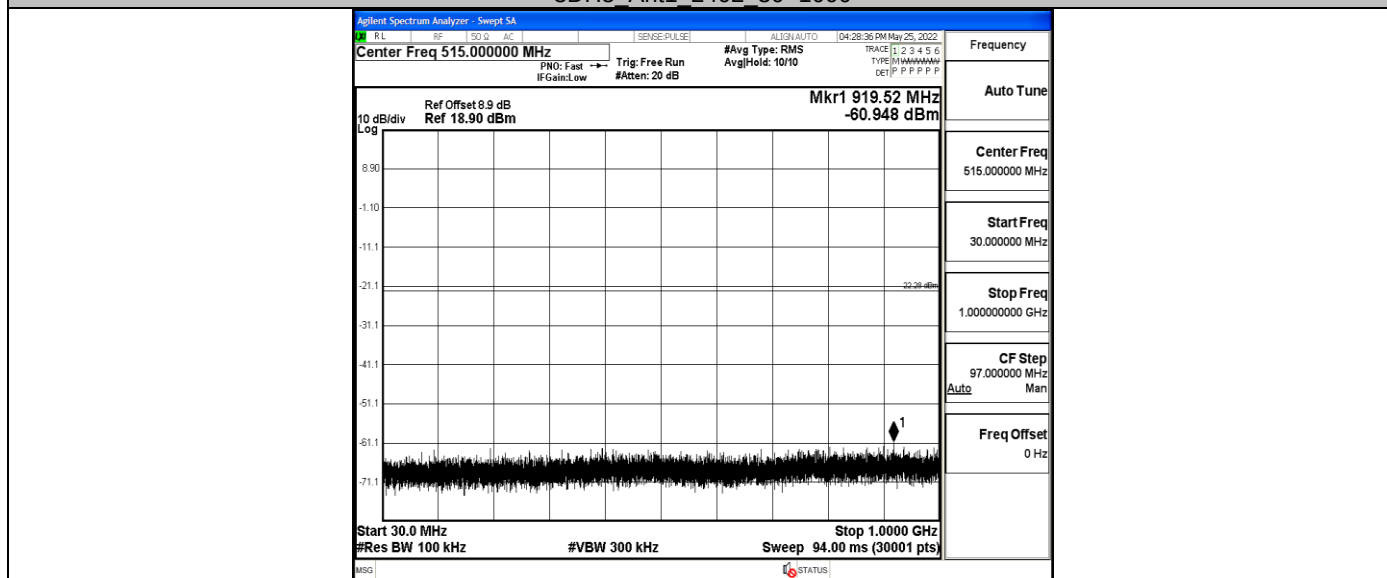
2DH5 Ant1 2480 1000~26500



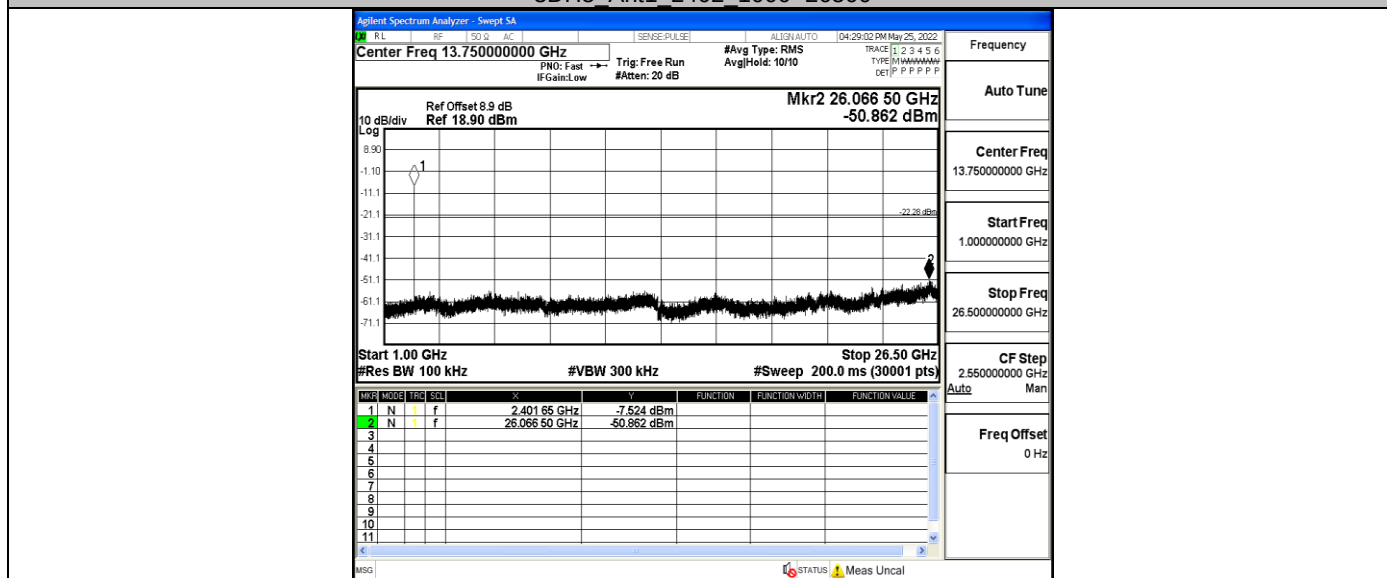
3DH5 Ant1 2402 0~Reference



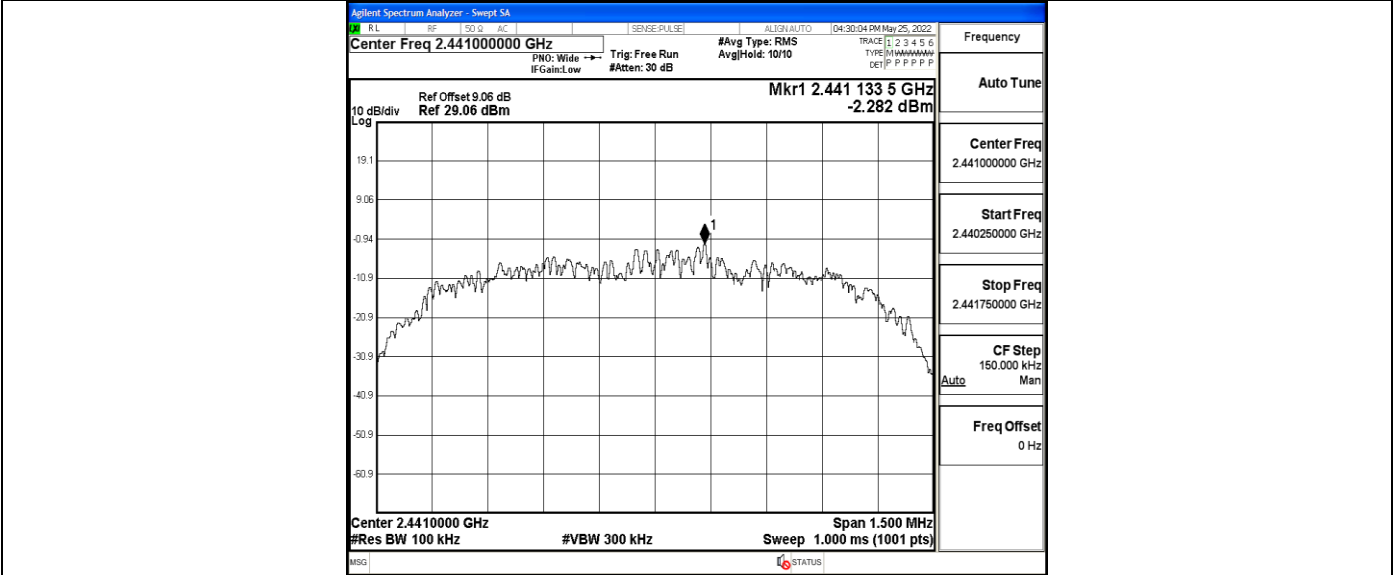
3DH5 Ant1 2402 30~1000



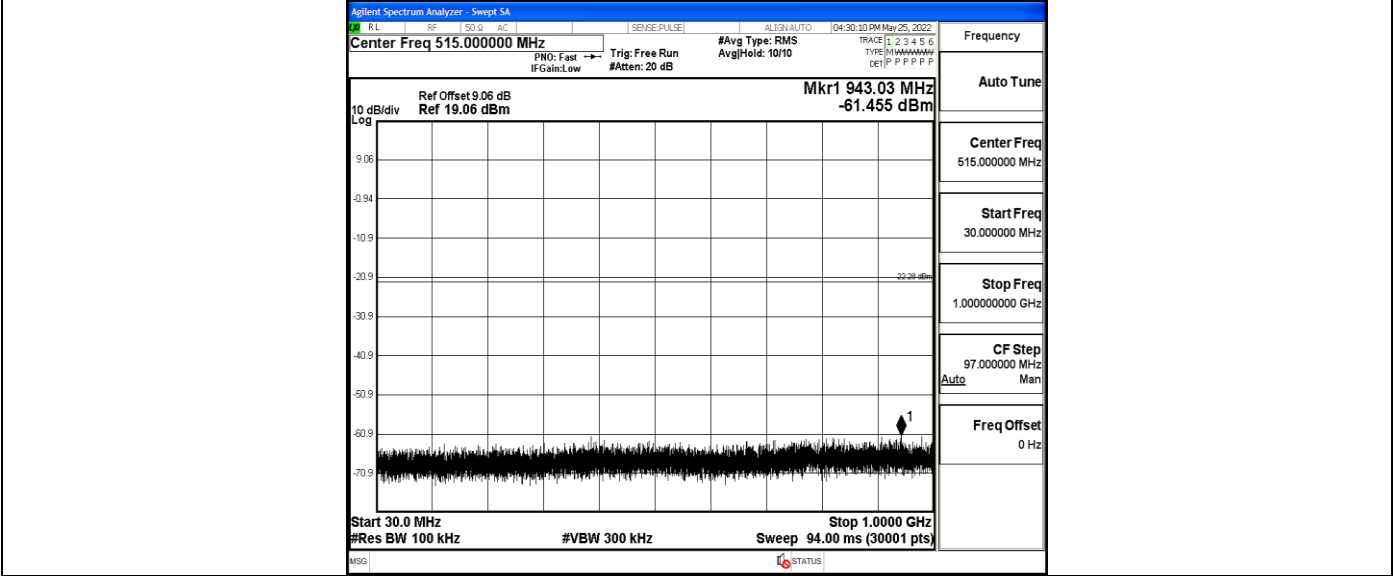
3DH5 Ant1 2402 1000~26500



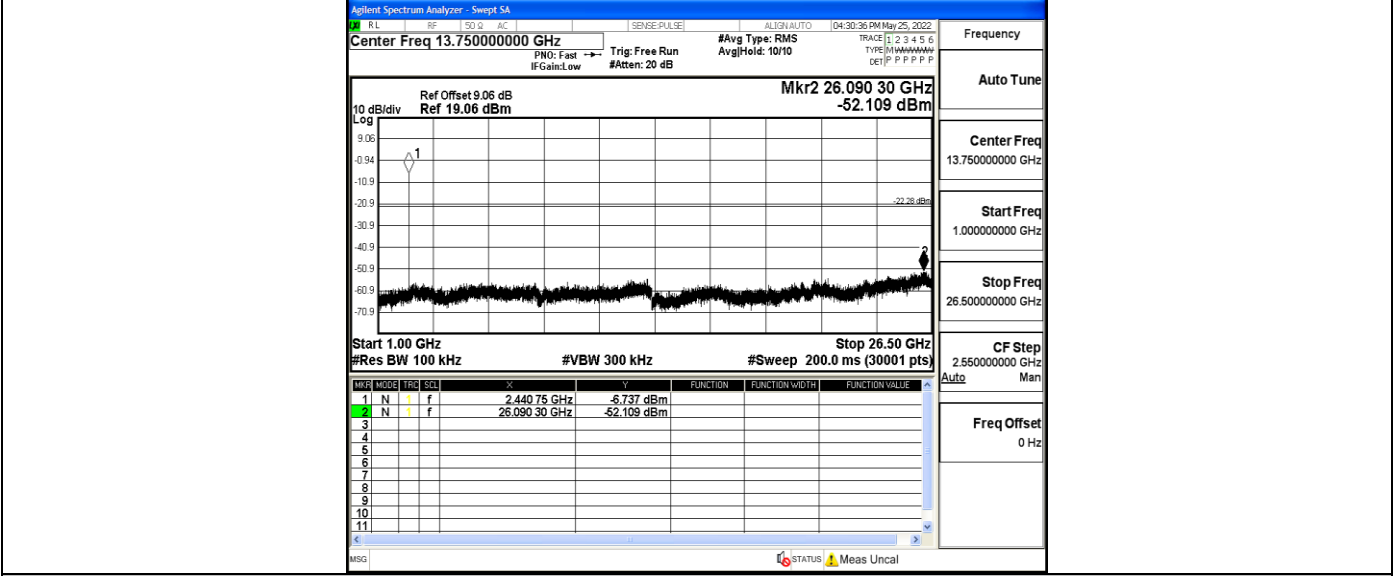
3DH5 Ant1 2441 0~Reference



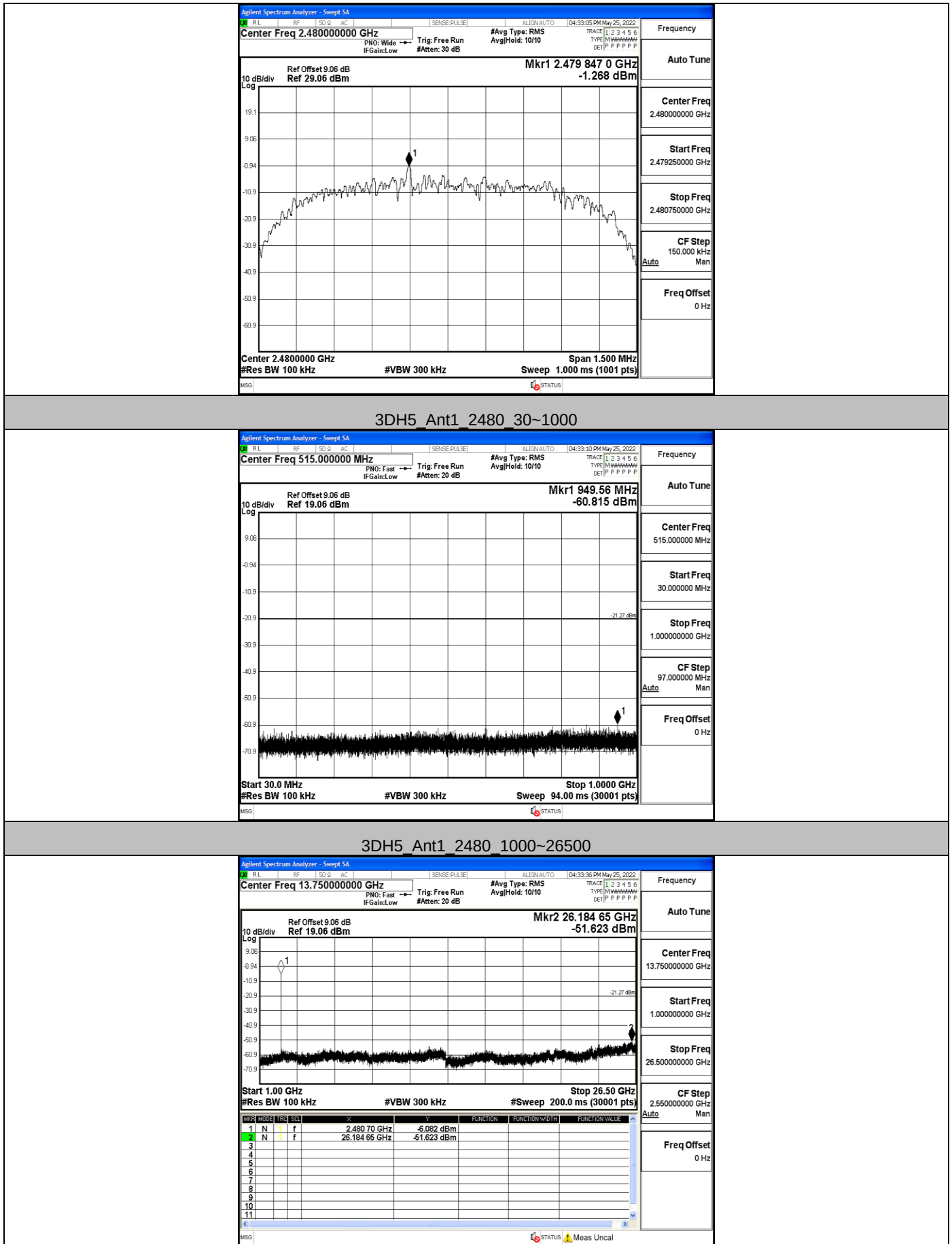
3DH5 Ant1 2441 30~1000



3DH5 Ant1 2441 1000~26500



3DH5 Ant1 2480 0~Reference

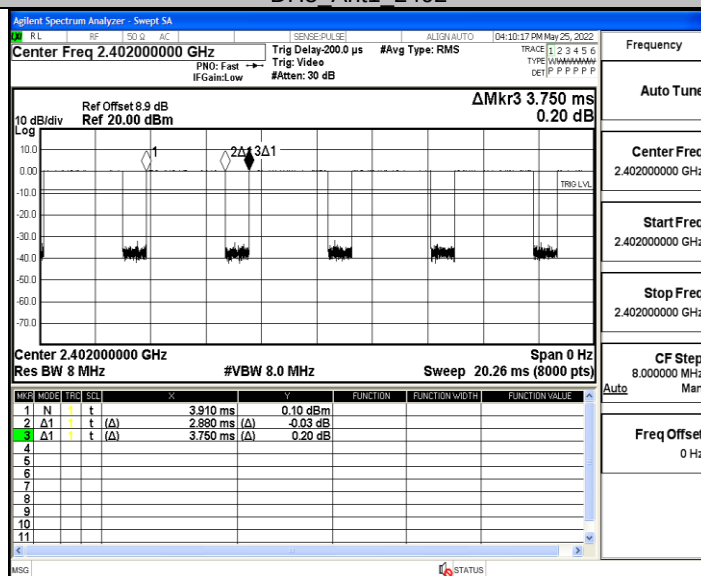


Appendix I: Duty Cycle
Test Result

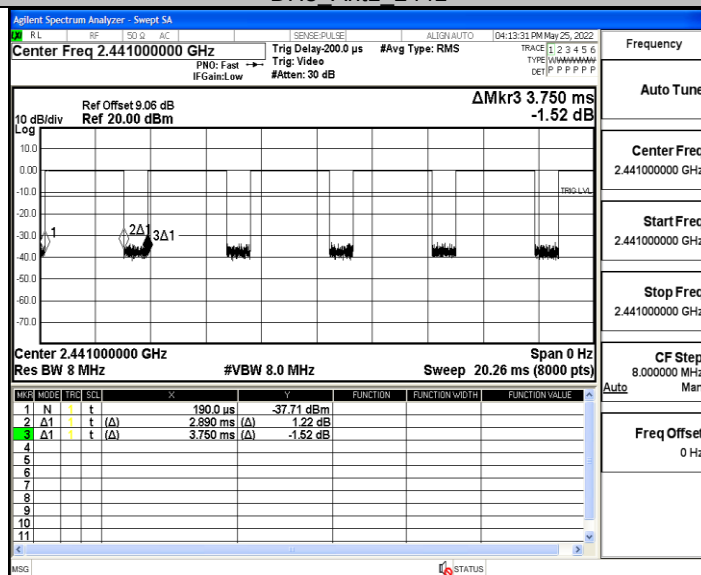
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.88	3.75	76.80	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.88	3.75	76.80	0.35
2DH5	Ant1	2402	2.88	3.75	76.80	0.35
		2441	2.88	3.75	76.80	0.35
		2480	2.89	3.76	76.86	0.35
3DH5	Ant1	2402	2.89	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

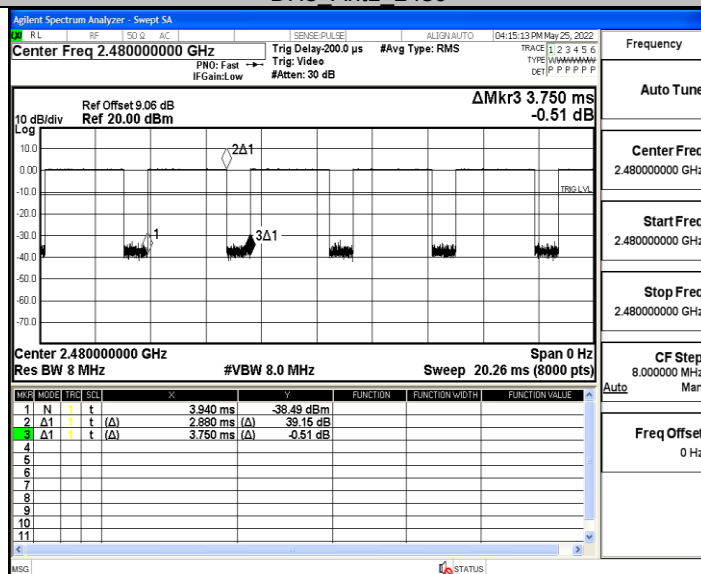
DH5_Ant1_2402



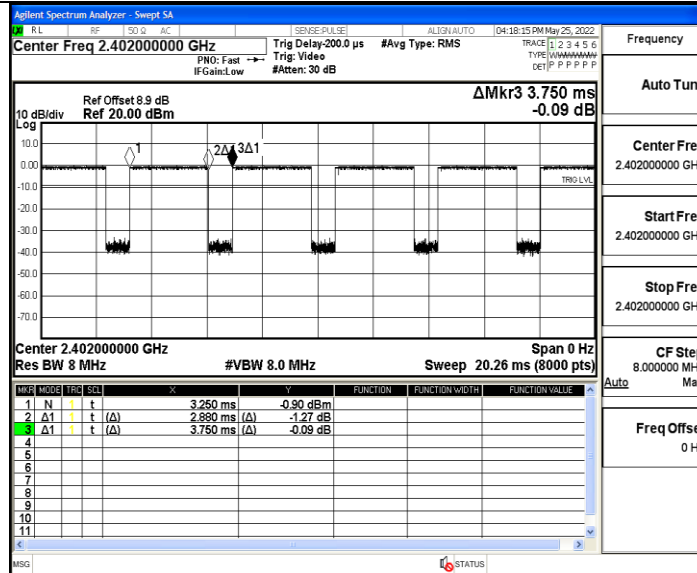
DH5_Ant1_2441



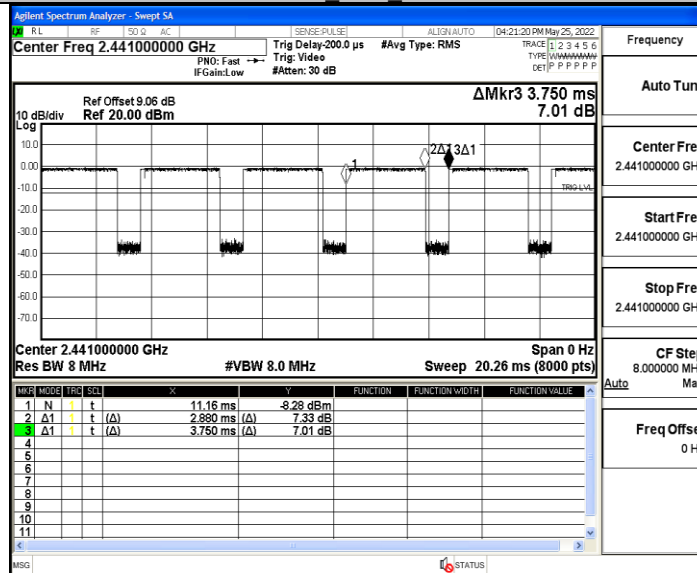
DH5_Ant1_2480



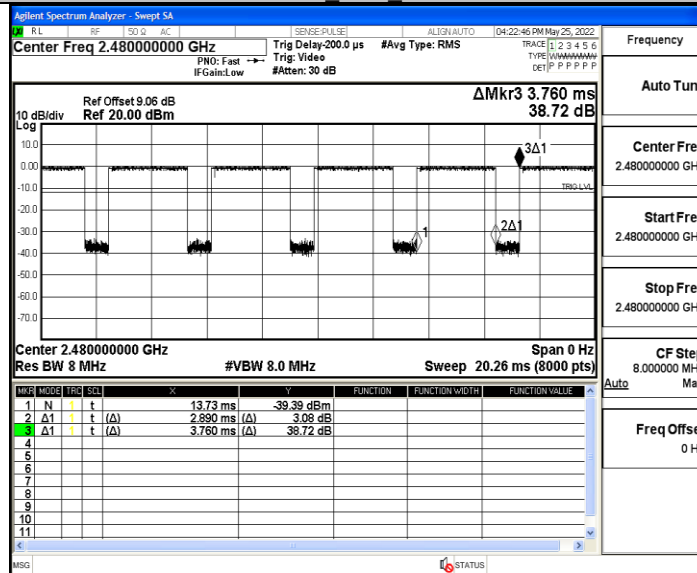
2DH5_Ant1_2402



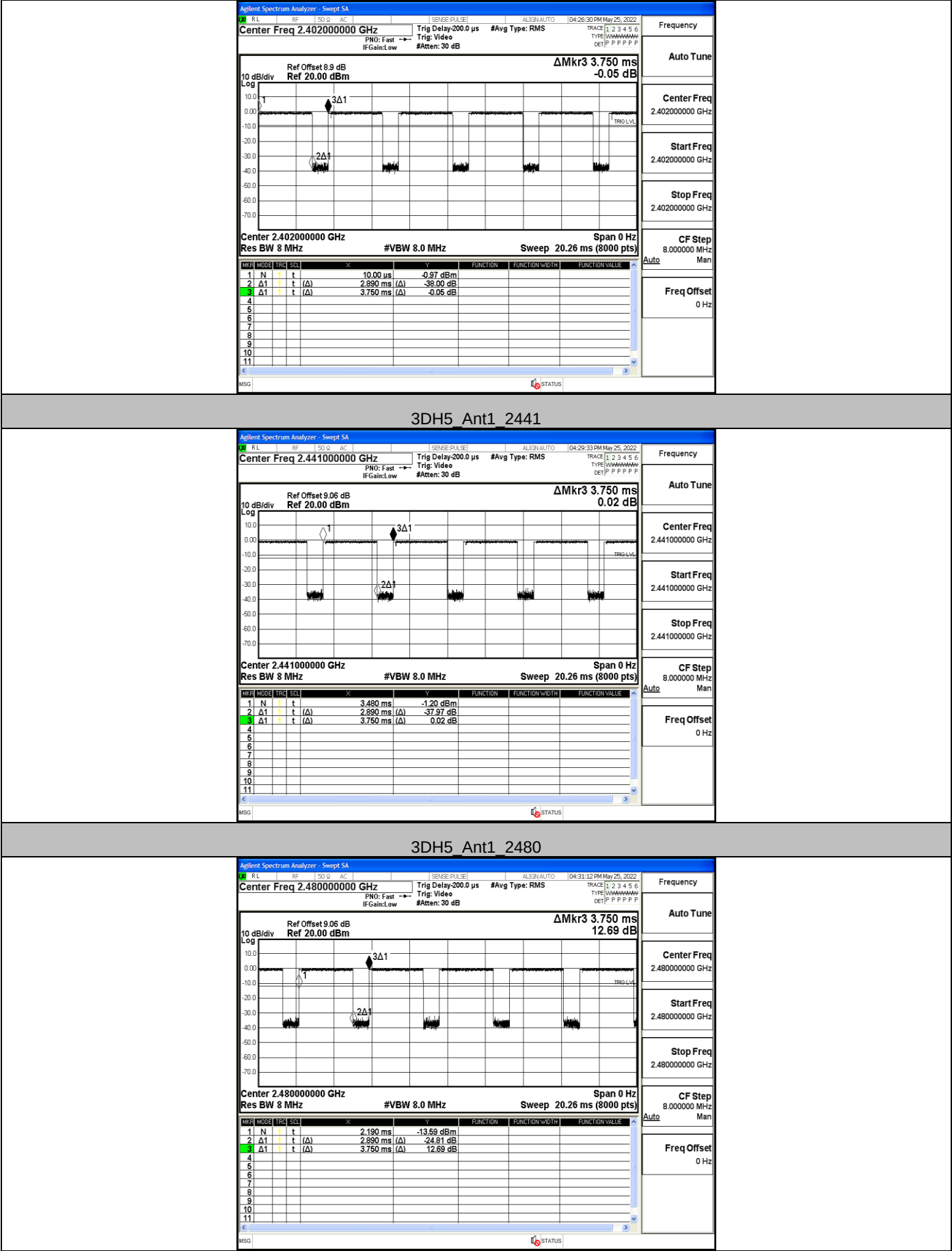
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



Appendix J: Emissions in Restricted Bands

Test Result

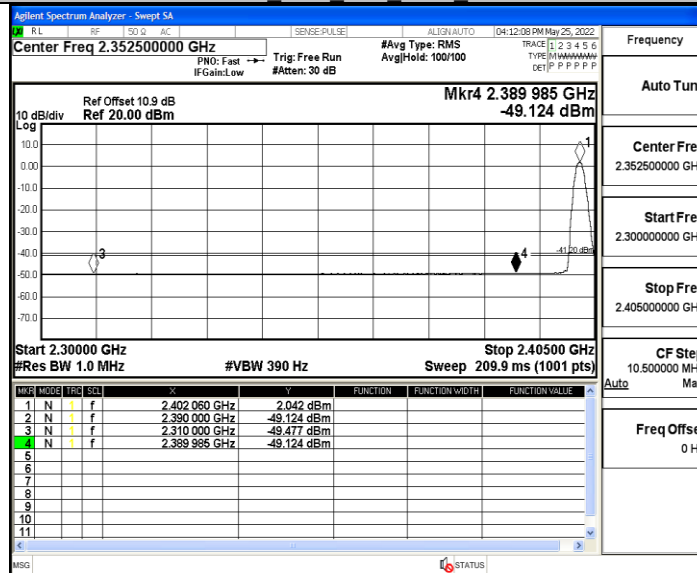
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.48	≤-41.20	PASS
				AV	2389.985	-49.12	≤-41.20	PASS
				AV	2390.000	-49.12	≤-41.20	PASS
				Peak	2310.000	-42.61	≤-21.20	PASS
				Peak	2371.190	-38.85	≤-21.20	PASS
				Peak	2390.000	-42.18	≤-21.20	PASS
		High	2480	AV	2483.500	-48.27	≤-41.20	PASS
				AV	2483.520	-48.27	≤-41.20	PASS
				AV	2500.000	-48.48	≤-41.20	PASS
				Peak	2483.500	-40.39	≤-21.20	PASS
				Peak	2484.080	-38.78	≤-21.20	PASS
				Peak	2500.000	-39.59	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.58	≤-41.20	PASS
				AV	2386.100	-49.07	≤-41.20	PASS
				AV	2390.000	-49.18	≤-41.20	PASS
				Peak	2310.000	-42.76	≤-21.20	PASS
				Peak	2362.895	-39.62	≤-21.20	PASS
				Peak	2390.000	-41.42	≤-21.20	PASS
		High	2480	AV	2483.500	-48.38	≤-41.20	PASS
				AV	2491.760	-48.33	≤-41.20	PASS
				AV	2500.000	-48.47	≤-41.20	PASS
				Peak	2483.500	-43.43	≤-21.20	PASS
				Peak	2499.600	-38.48	≤-21.20	PASS
				Peak	2500.000	-42.16	≤-21.20	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.64	≤-41.20	PASS
				AV	2389.670	-48.99	≤-41.20	PASS
				AV	2390.000	-49.3	≤-41.20	PASS
				Peak	2310.000	-42.34	≤-21.20	PASS
				Peak	2328.350	-38.83	≤-21.20	PASS
				Peak	2390.000	-42.54	≤-21.20	PASS
		High	2480	AV	2483.500	-48.38	≤-41.20	PASS
				AV	2483.520	-48.38	≤-41.20	PASS
				AV	2500.000	-48.55	≤-41.20	PASS
				Peak	2483.500	-39.58	≤-21.20	PASS
				Peak	2492.960	-39.51	≤-21.20	PASS
				Peak	2500.000	-42.69	≤-21.20	PASS

Note :

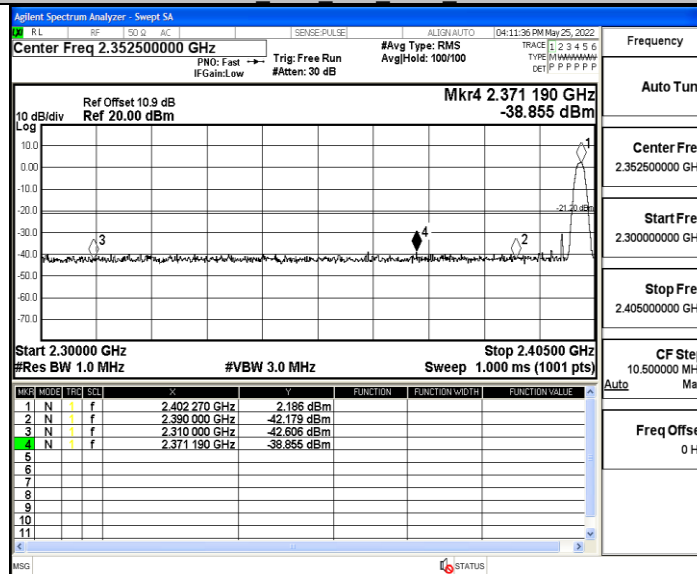
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

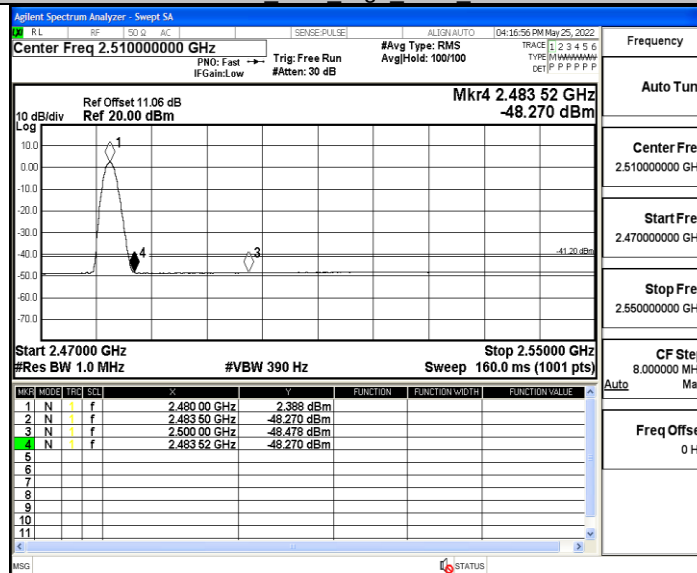
DH5 Ant1 Low 2402 AV



DH5 Ant1 Low 2402 Peak



DH5 Ant1 High 2480 AV



DH5 Ant1 High 2480 Peak