

Appendix A

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

Product Name: Smart phone

Trade Mark: 

Test Model: K55g

FCC ID: 2APX7K55G

Environmental Conditions

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

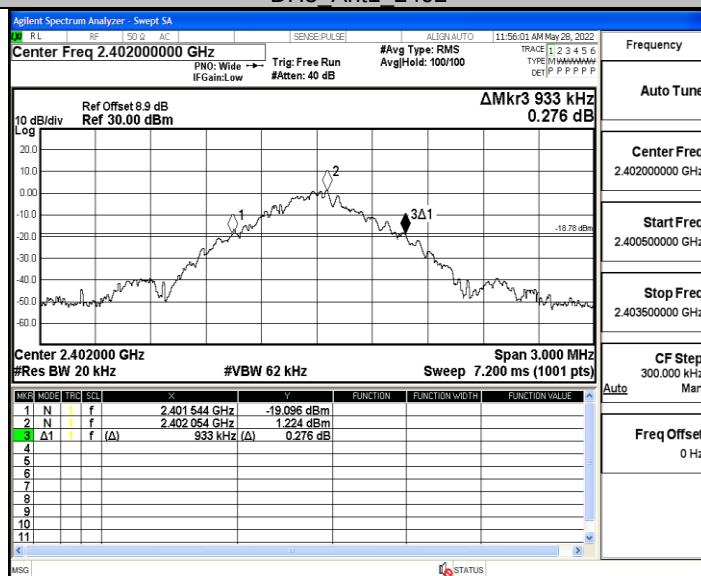
Appendix A: 20dB Emission Bandwidth

Test Result

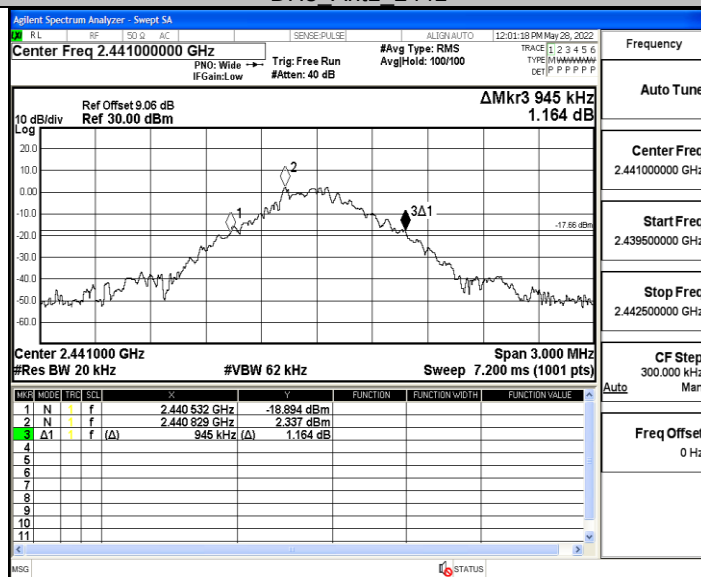
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.933	2401.544	2402.477	---	---
		2441	0.945	2440.532	2441.477	---	---
		2480	0.942	2479.532	2480.474	---	---
2DH5	Ant1	2402	1.311	2401.340	2402.651	---	---
		2441	1.287	2440.361	2441.648	---	---
		2480	1.317	2479.334	2480.651	---	---
3DH5	Ant1	2402	1.272	2401.352	2402.624	---	---
		2441	1.296	2440.343	2441.639	---	---
		2480	1.266	2479.352	2480.618	---	---

Test Graphs

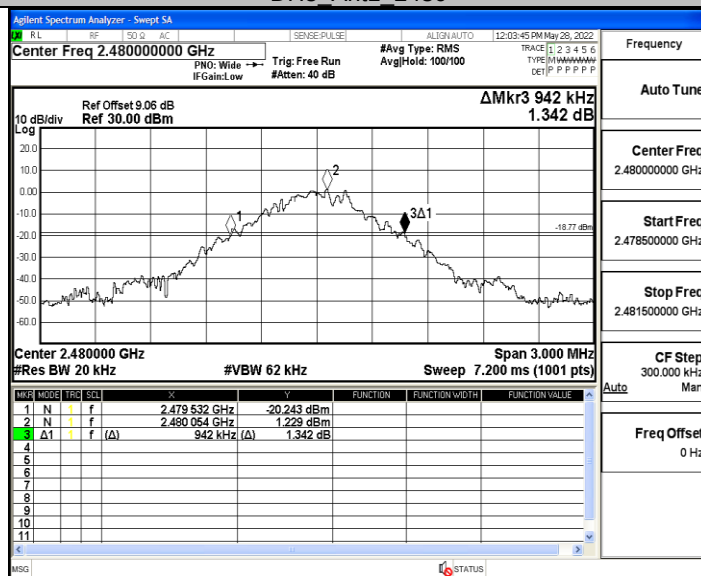
DH5_Ant1_2402



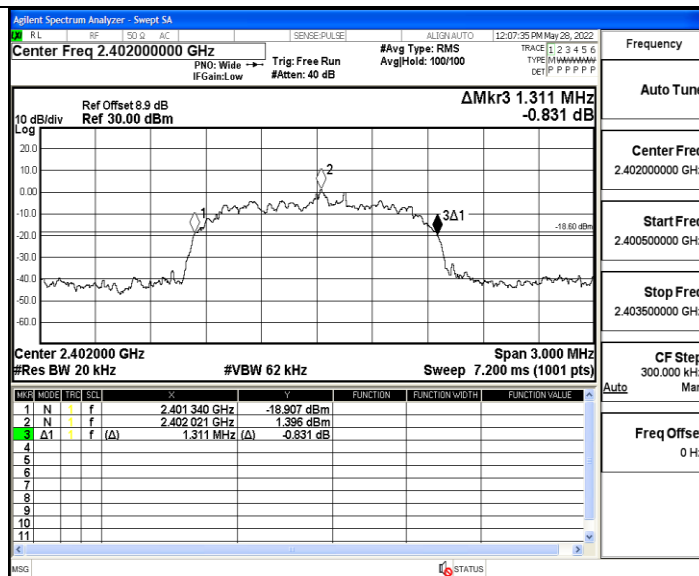
DH5_Ant1_2441



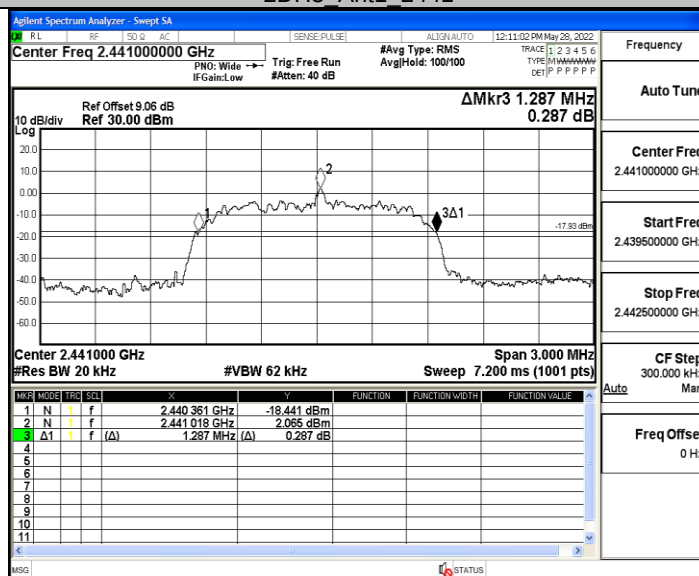
DH5_Ant1_2480



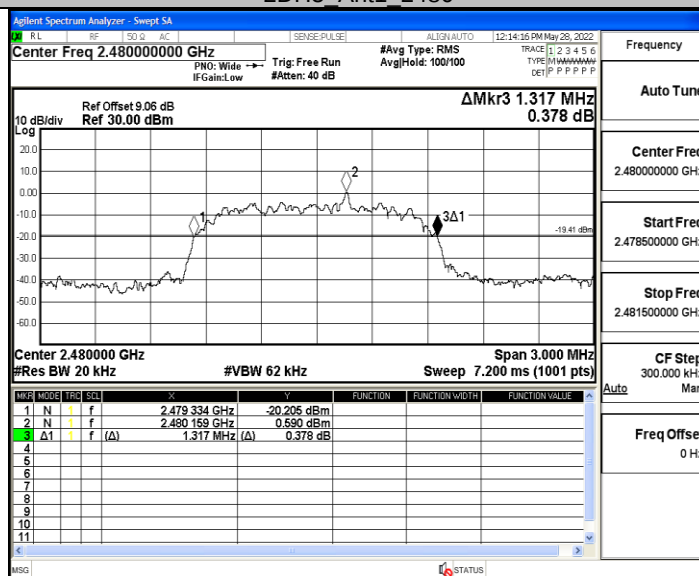
2DH5_Ant1_2402



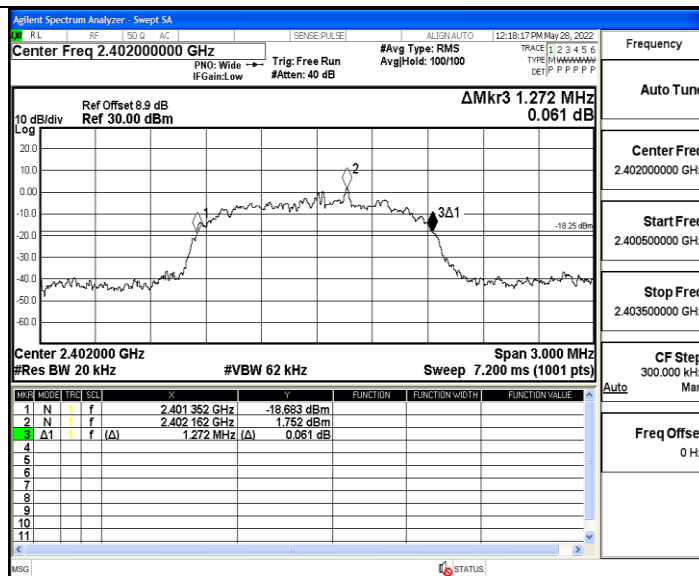
2DH5_Ant1_2441



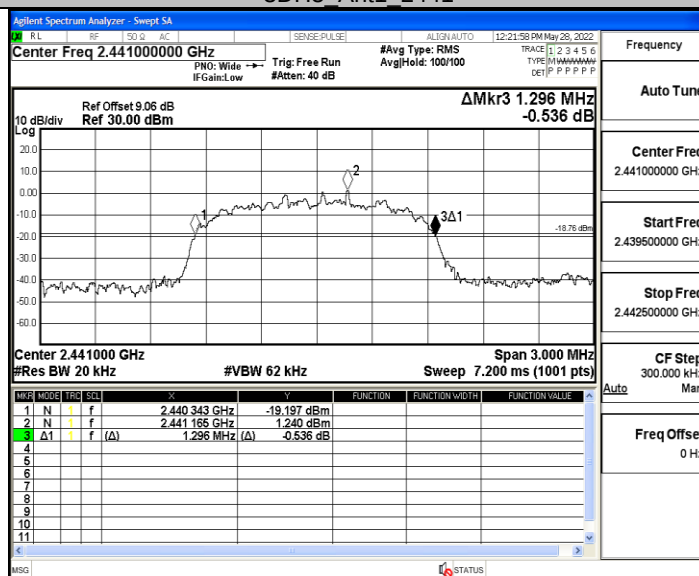
2DH5_Ant1_2480



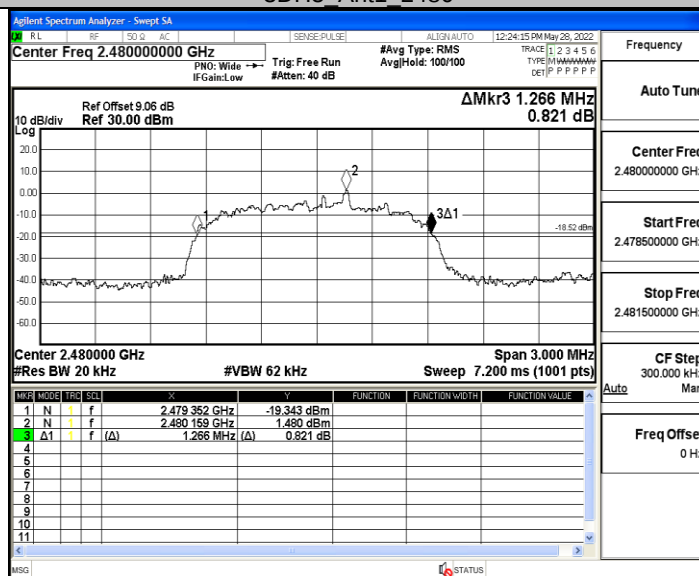
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



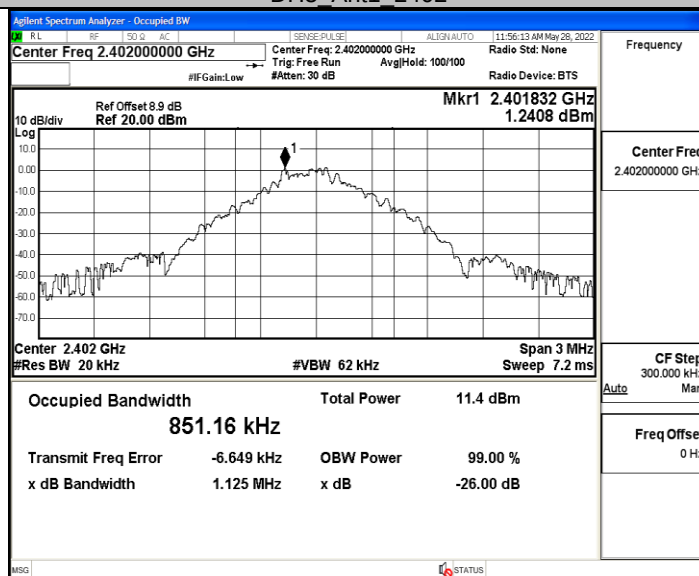
Appendix B: Occupied Channel Bandwidth

Test Result

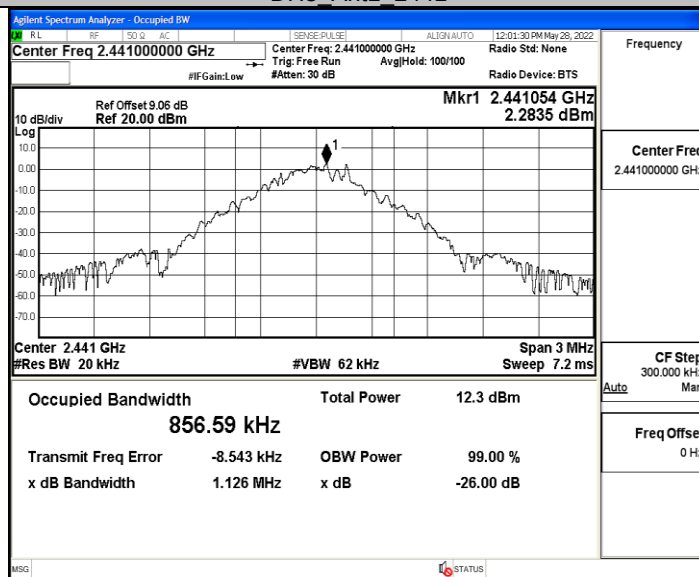
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85116	2401.568	2402.419	---	---
		2441	0.85659	2440.563	2441.420	---	---
		2480	0.84501	2479.567	2480.412	---	---
2DH5	Ant1	2402	1.1936	2401.398	2402.592	---	---
		2441	1.1913	2440.399	2441.590	---	---
		2480	1.1871	2479.401	2480.588	---	---
3DH5	Ant1	2402	1.1936	2401.391	2402.585	---	---
		2441	1.1850	2440.397	2441.582	---	---
		2480	1.1992	2479.386	2480.585	---	---

Test Graphs

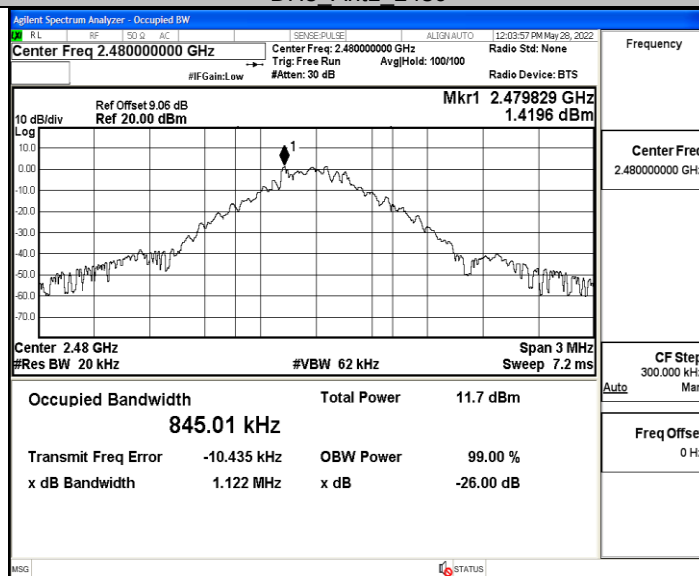
DH5_Ant1_2402



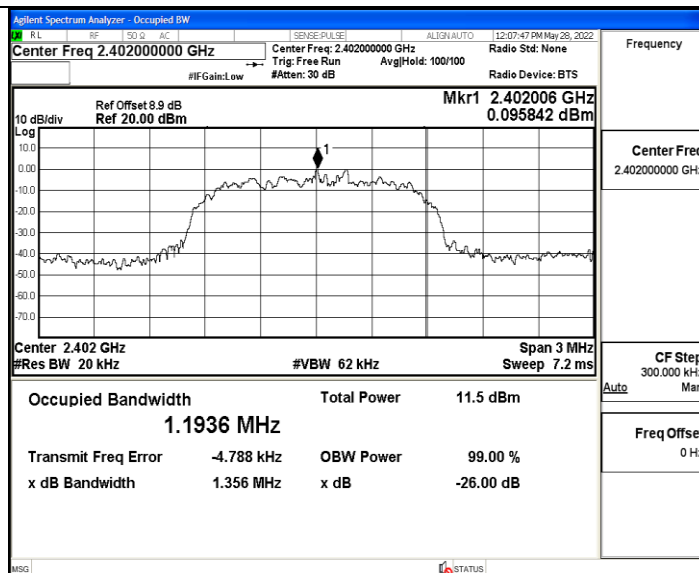
DH5_Ant1_2441



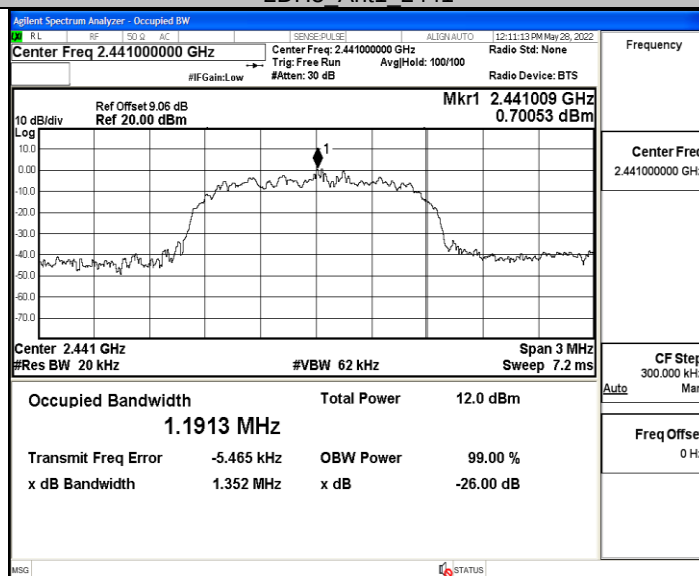
DH5_Ant1_2480



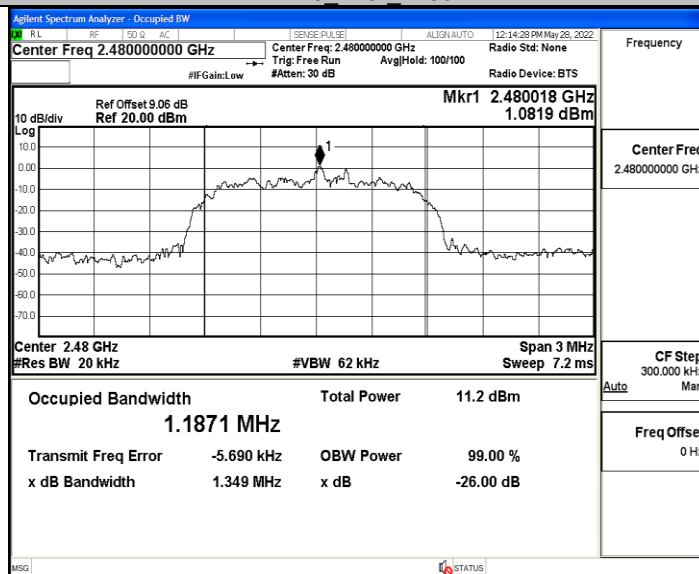
2DH5_Ant1_2402



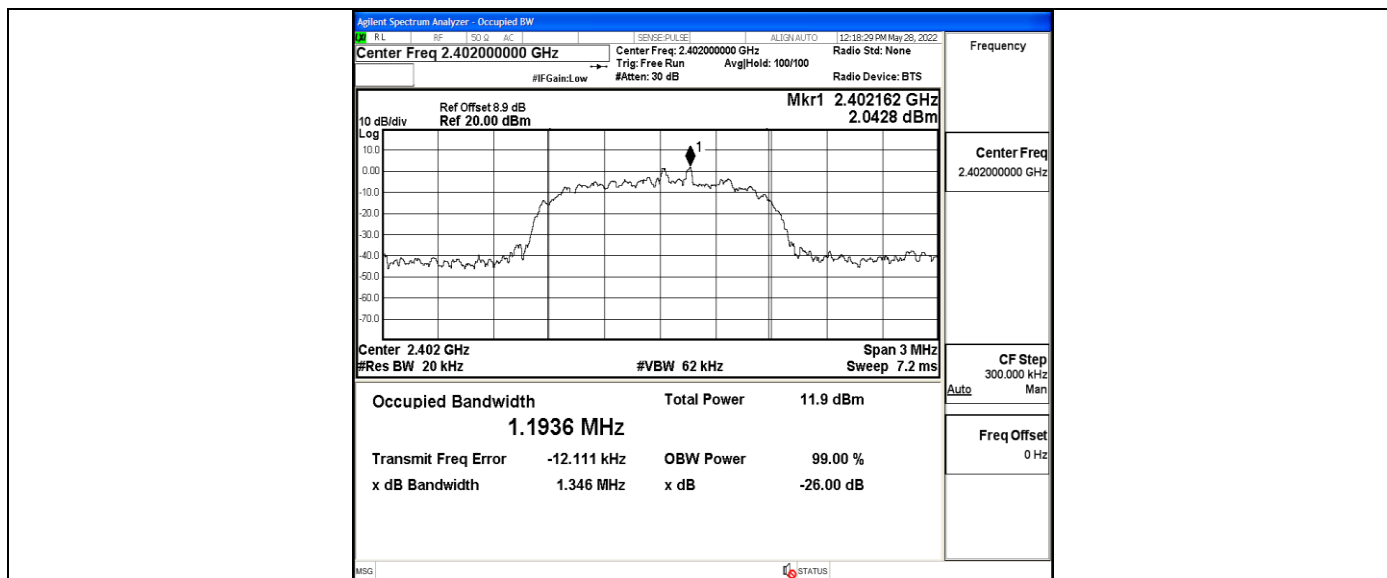
2DH5_Ant1_2441



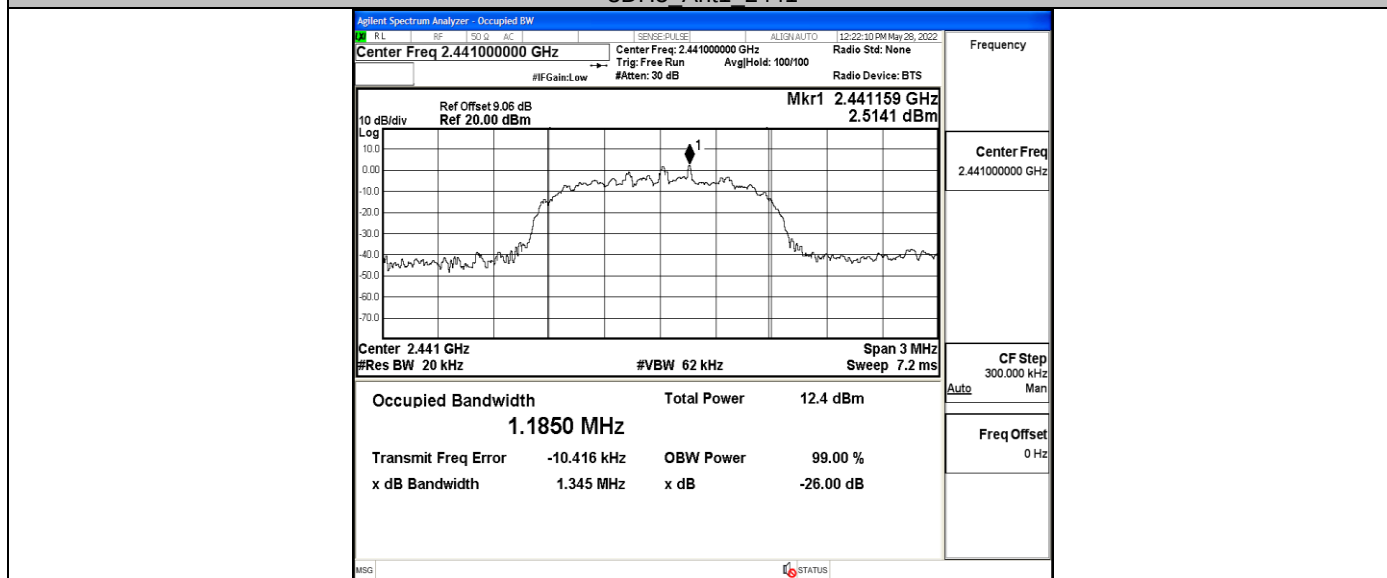
2DH5_Ant1_2480



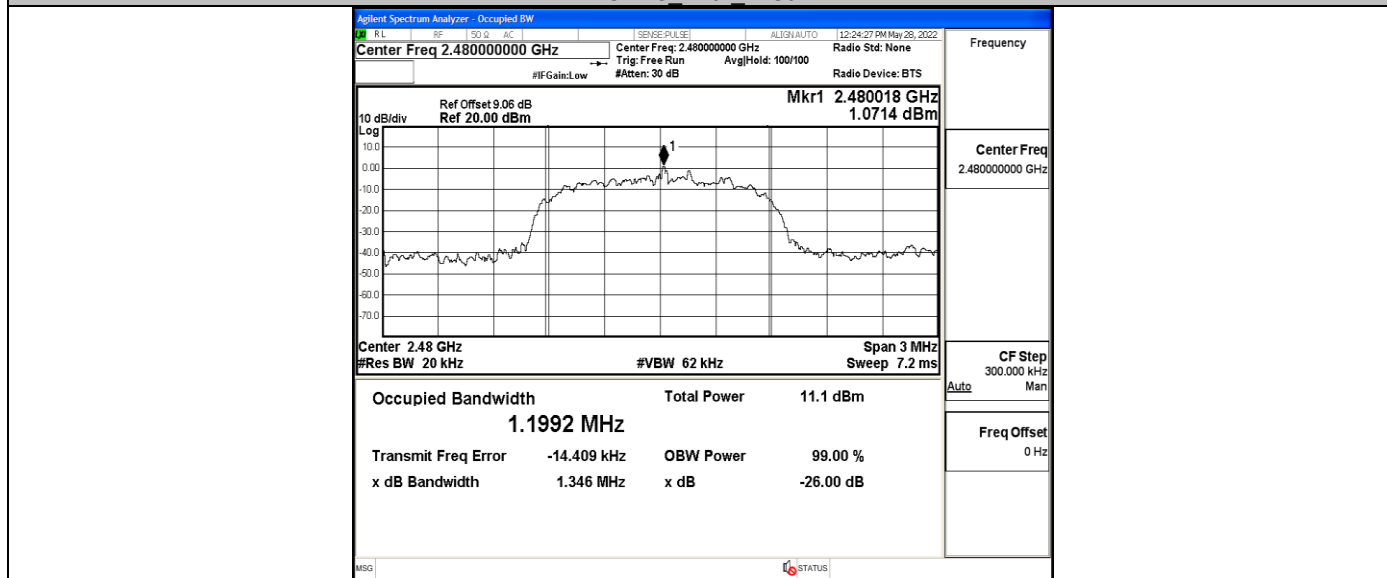
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

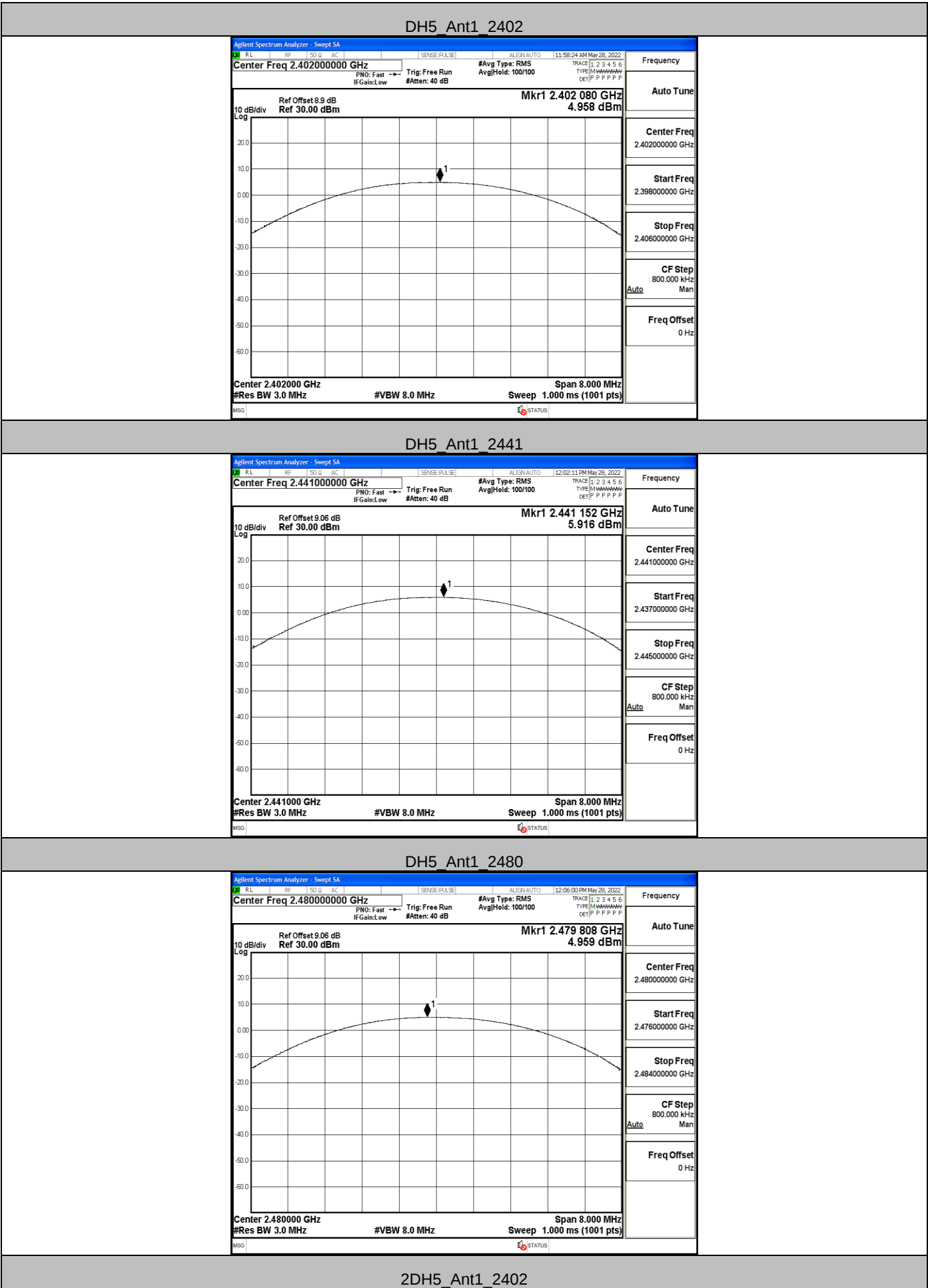


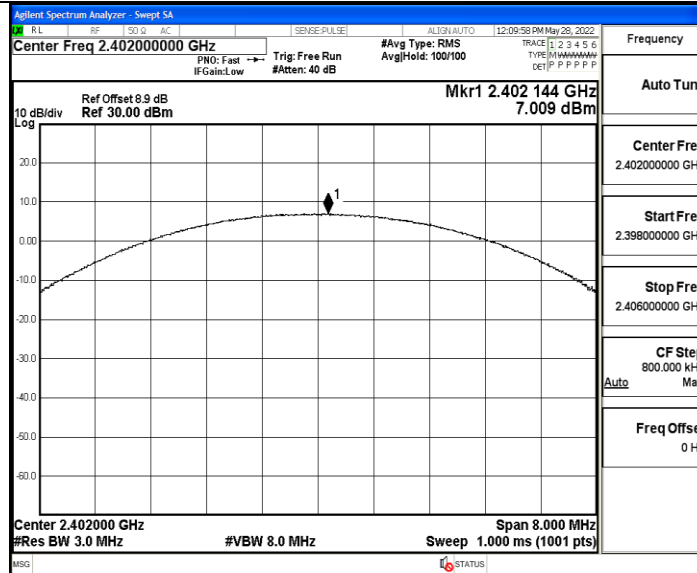
Appendix C: Maximum conducted output power

Test Result

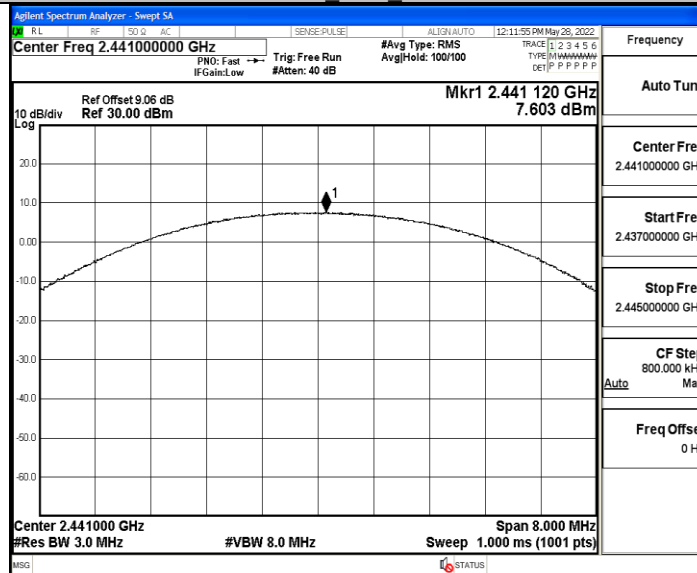
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.96	≤ 20.97	PASS
		2441	5.92	≤ 20.97	PASS
		2480	4.96	≤ 20.97	PASS
2DH5	Ant1	2402	7.01	≤ 20.97	PASS
		2441	7.6	≤ 20.97	PASS
		2480	6.48	≤ 20.97	PASS
3DH5	Ant1	2402	7.26	≤ 20.97	PASS
		2441	7.84	≤ 20.97	PASS
		2480	6.78	≤ 20.97	PASS

Test Graphs

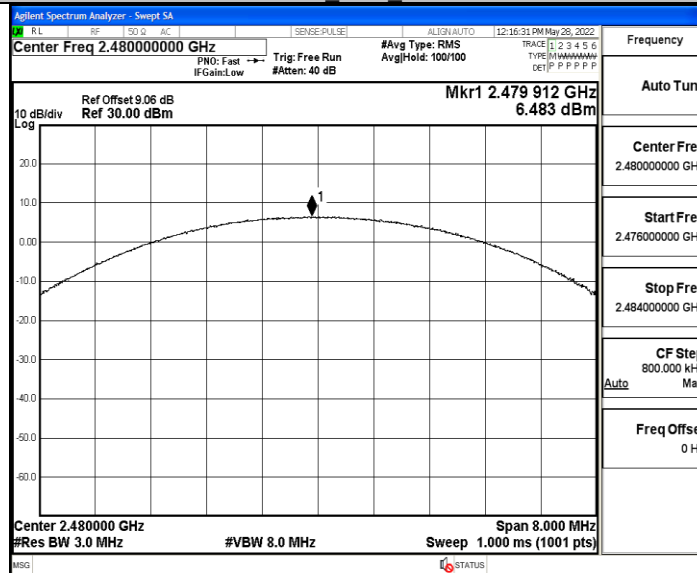




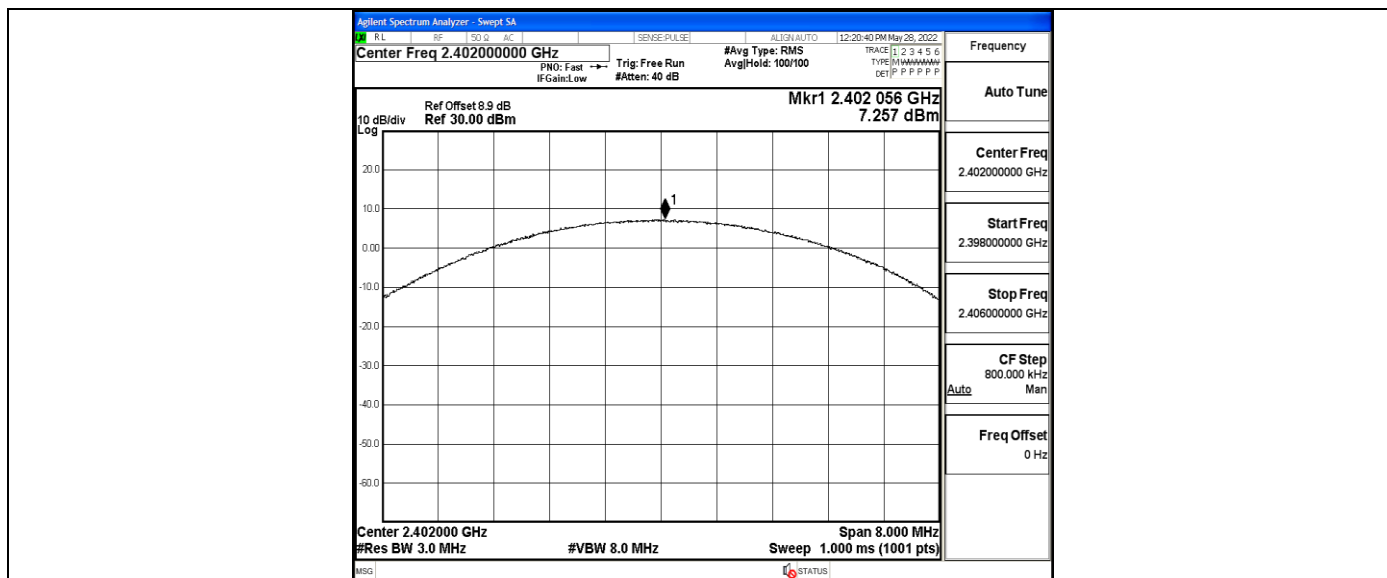
2DH5_Ant1_2441



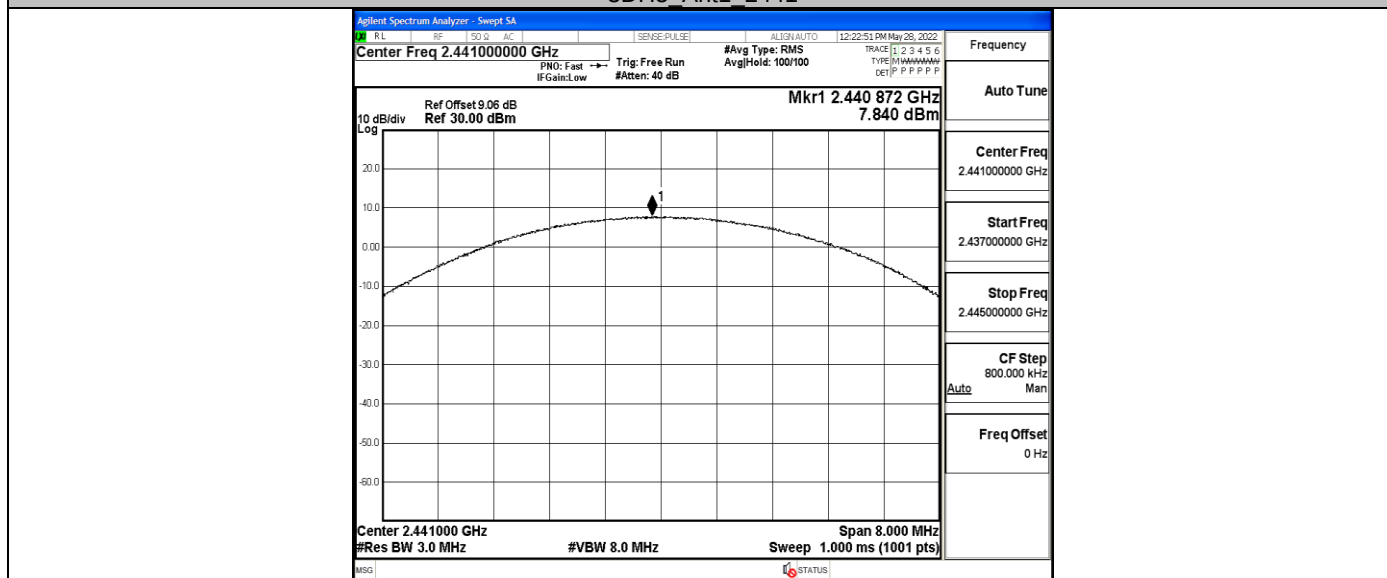
2DH5_Ant1_2480



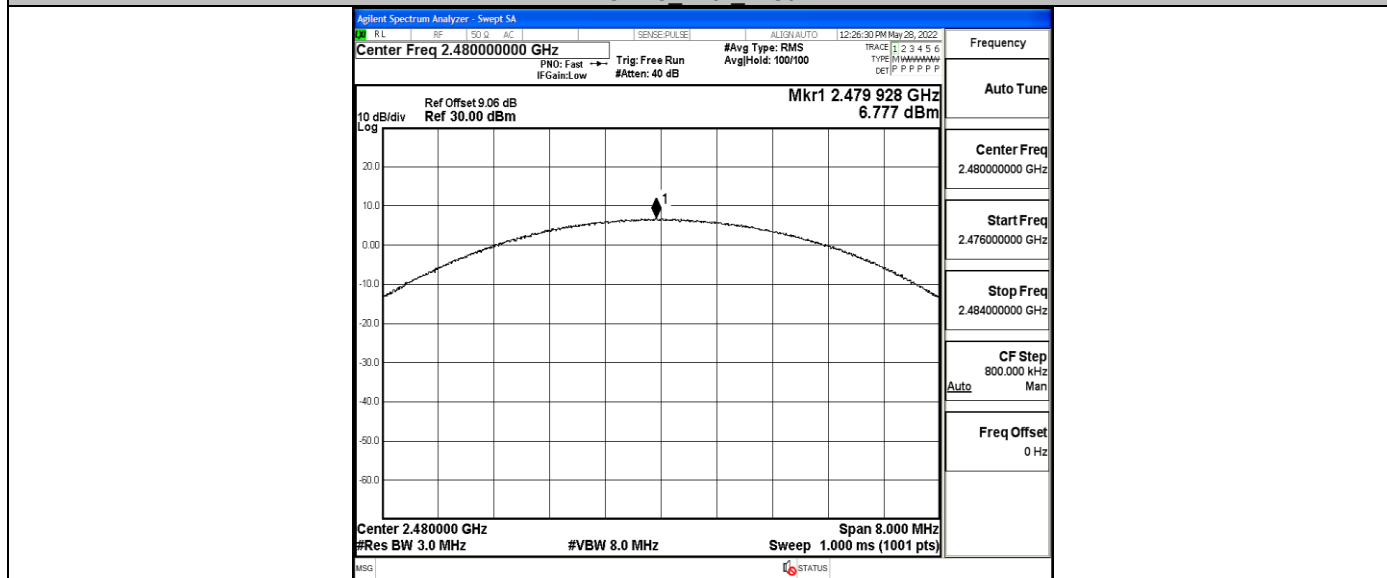
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



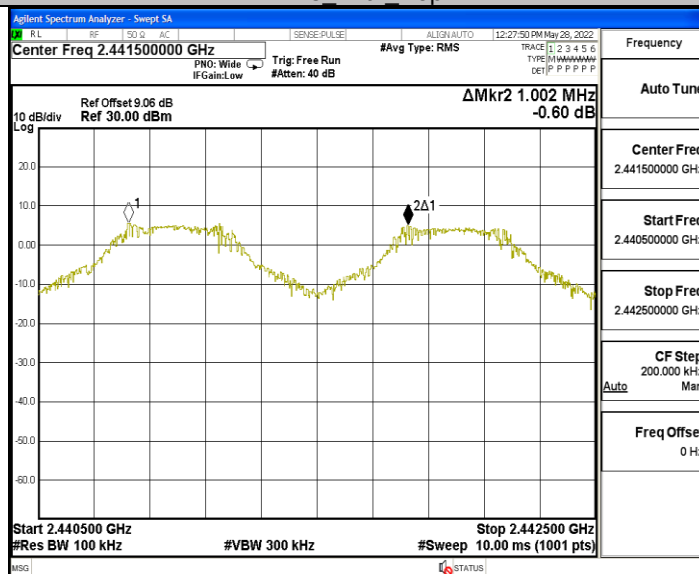
Appendix D: Carrier frequency separation

Test Result

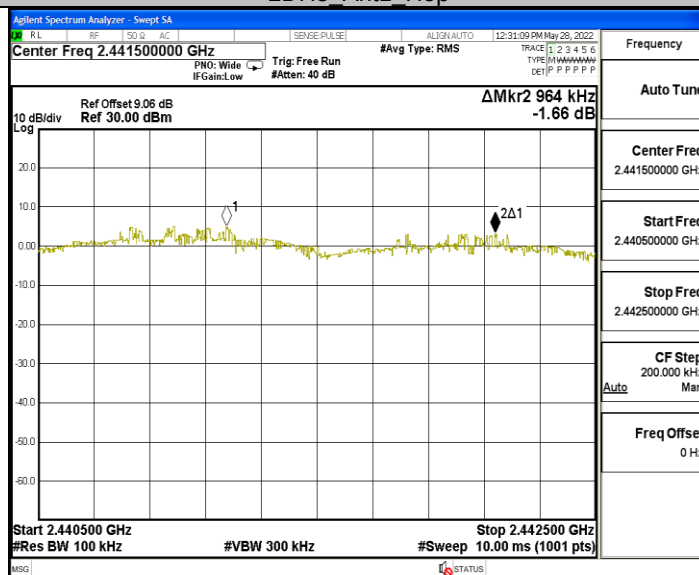
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.945	PASS
2DH5	Ant1	Hop	0.964	≥ 0.878	PASS
3DH5	Ant1	Hop	1.002	≥ 0.864	PASS

Test Graphs

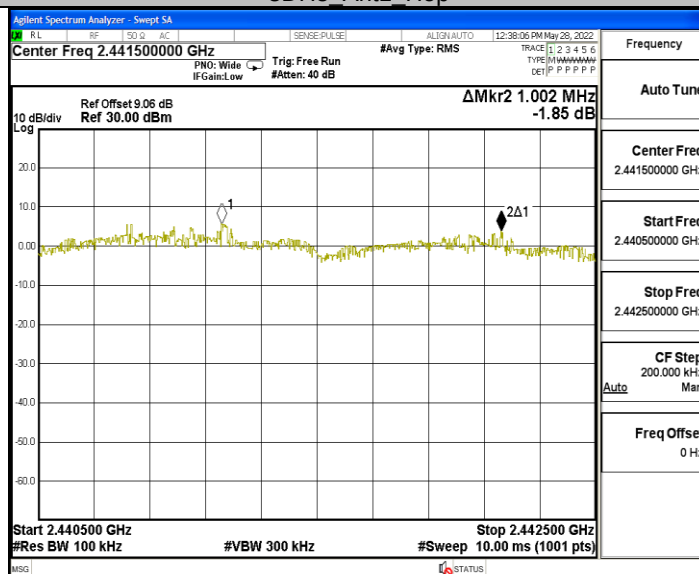
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



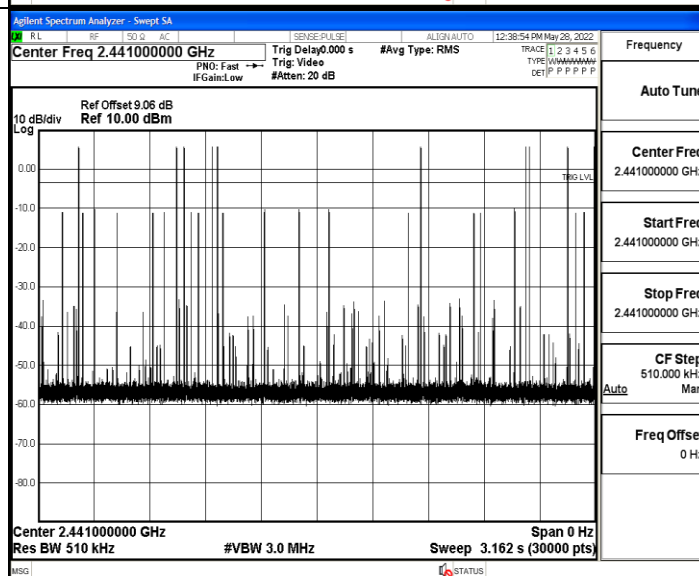
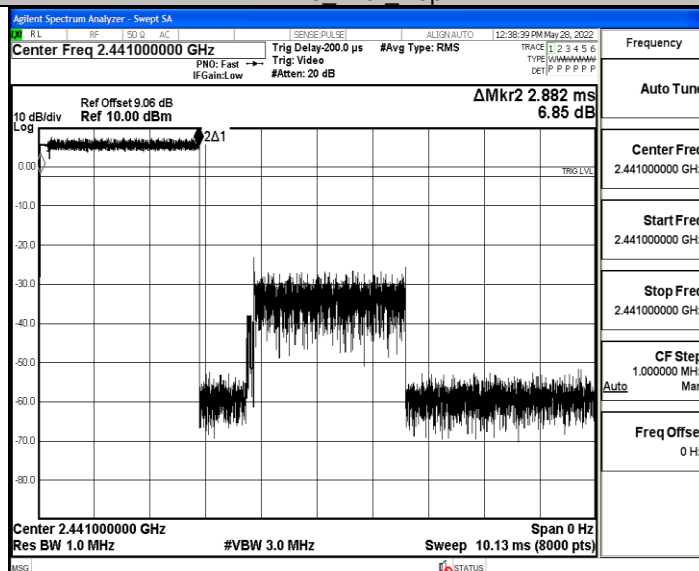
Appendix E: Time of occupancy

Test Result

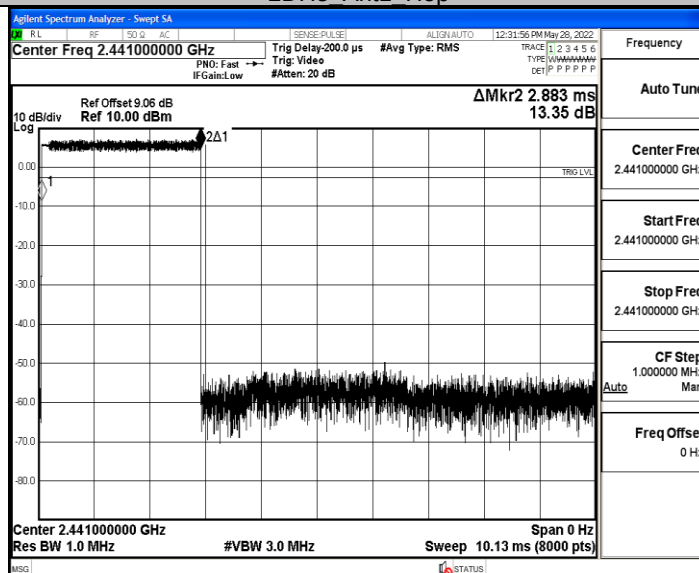
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

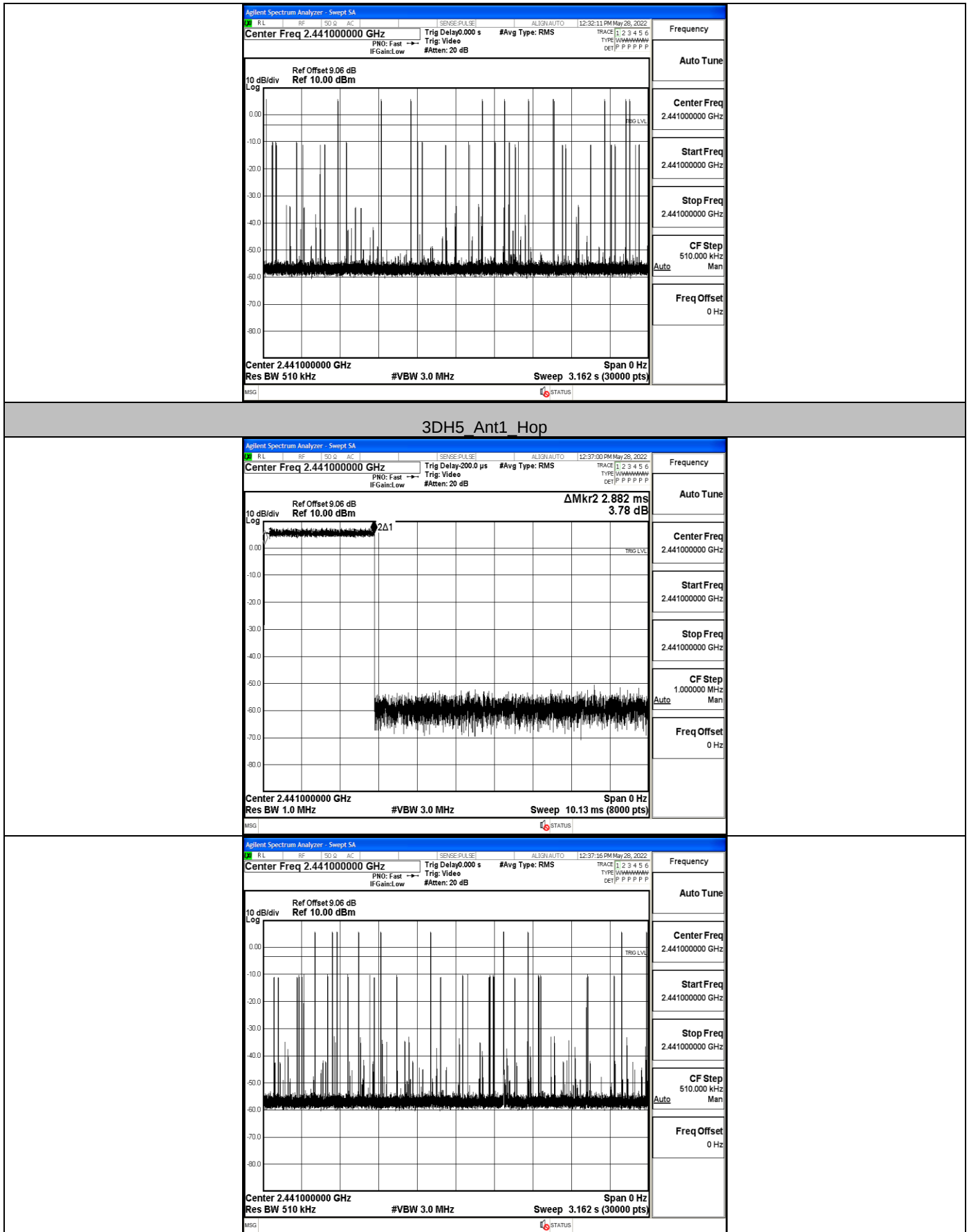
Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





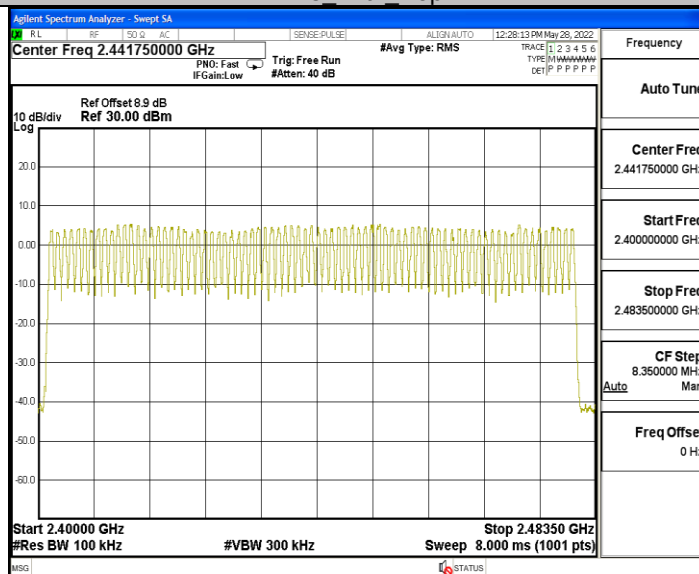
Appendix F: Number of hopping channels

Test Result

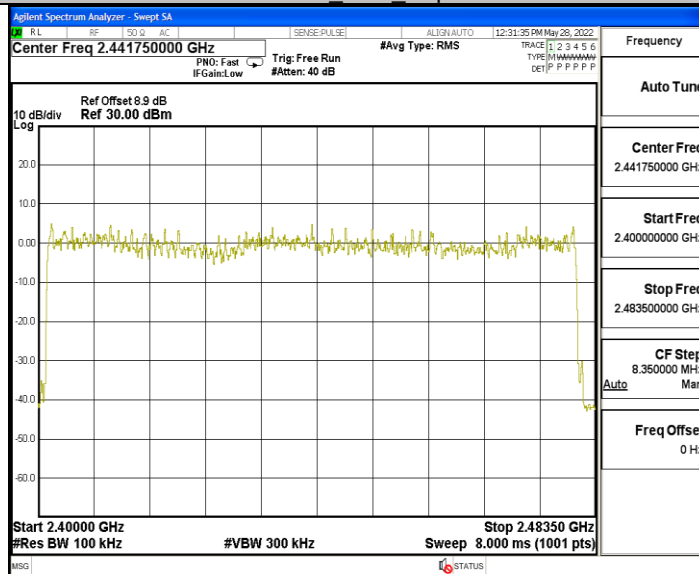
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

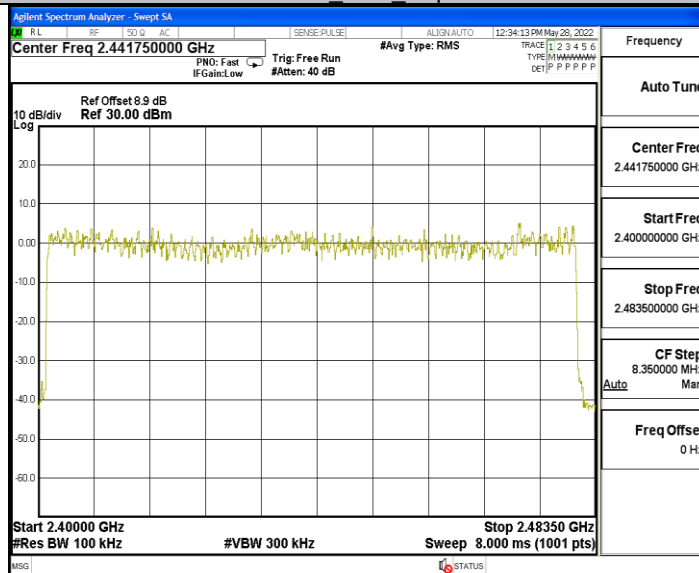
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



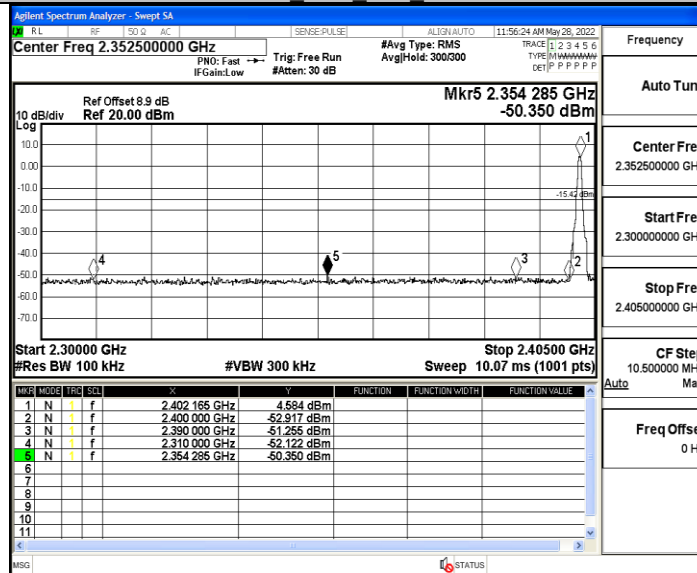
Appendix G: Band edge measurements

Test Result

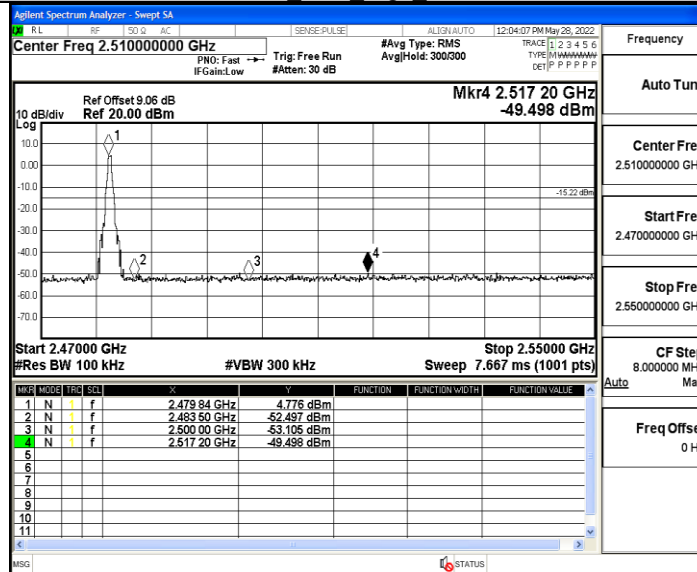
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.58	-50.35	≤ -15.42	PASS
		High	2480	4.78	-49.5	≤ -15.22	PASS
		Low	Hop_2402	3.43	-50.59	≤ -16.57	PASS
		High	Hop_2480	5.21	-49.01	≤ -14.79	PASS
2DH5	Ant1	Low	2402	4.66	-44.19	≤ -15.34	PASS
		High	2480	4.26	-49.7	≤ -15.74	PASS
		Low	Hop_2402	4.25	-50.57	≤ -15.75	PASS
		High	Hop_2480	3.54	-49.37	≤ -16.46	PASS
3DH5	Ant1	Low	2402	5.24	-44.49	≤ -14.76	PASS
		High	2480	4.56	-49.34	≤ -15.44	PASS
		Low	Hop_2402	4.25	-50.95	≤ -15.75	PASS
		High	Hop_2480	2.97	-49.44	≤ -17.03	PASS

Test Graphs

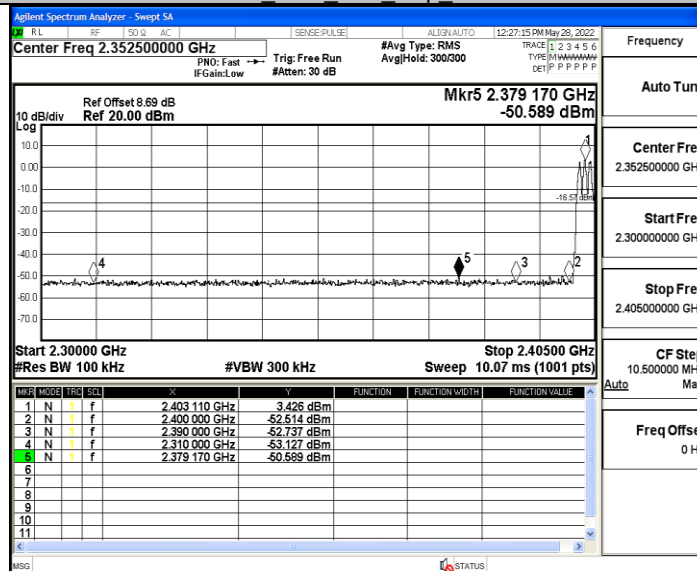
DH5_Ant1_Low_2402



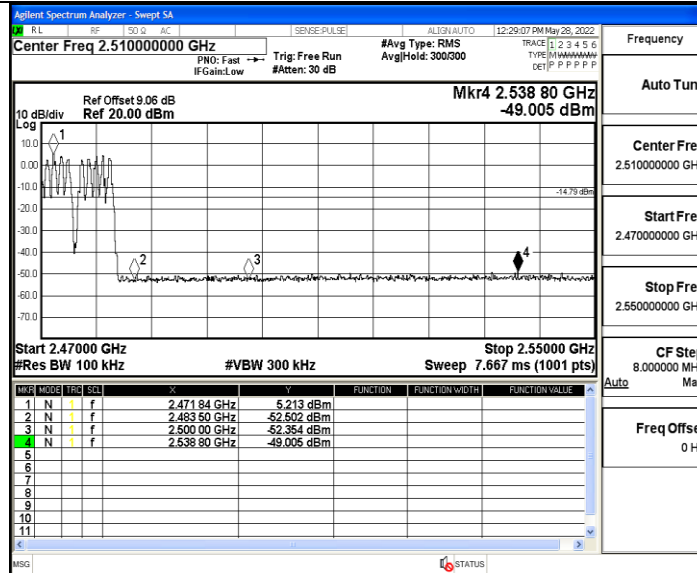
DH5_Ant1_High_2480



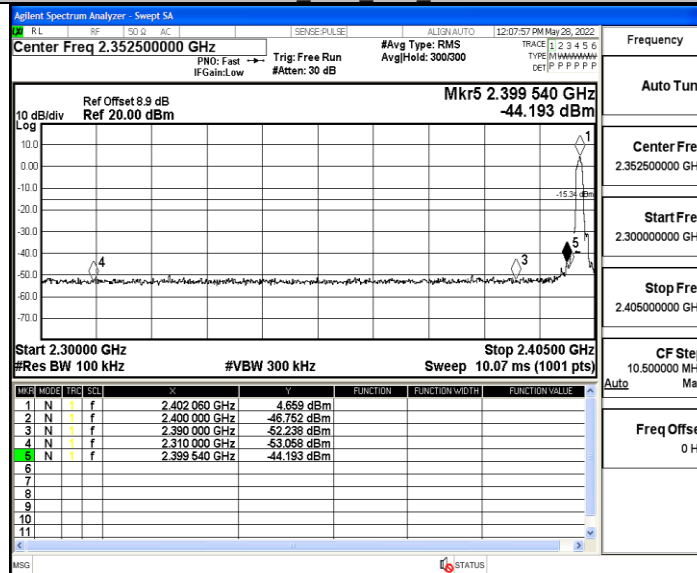
DH5_Ant1_Low_Hop_2402



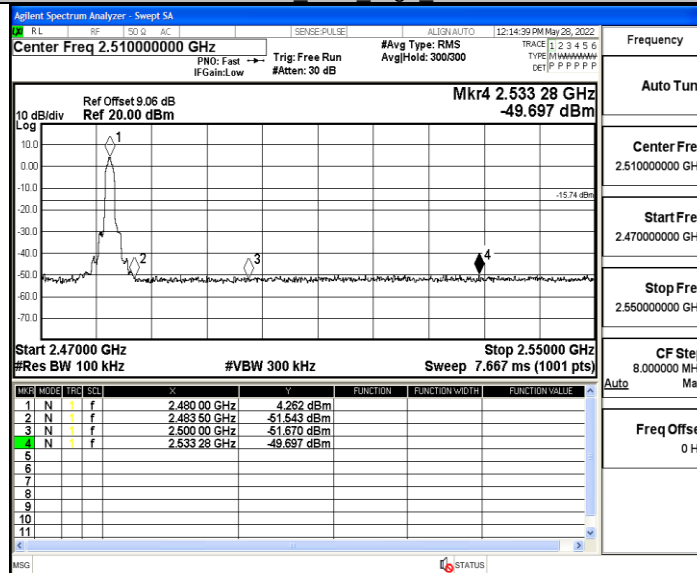
DH5_Ant1_High_Hop_2480



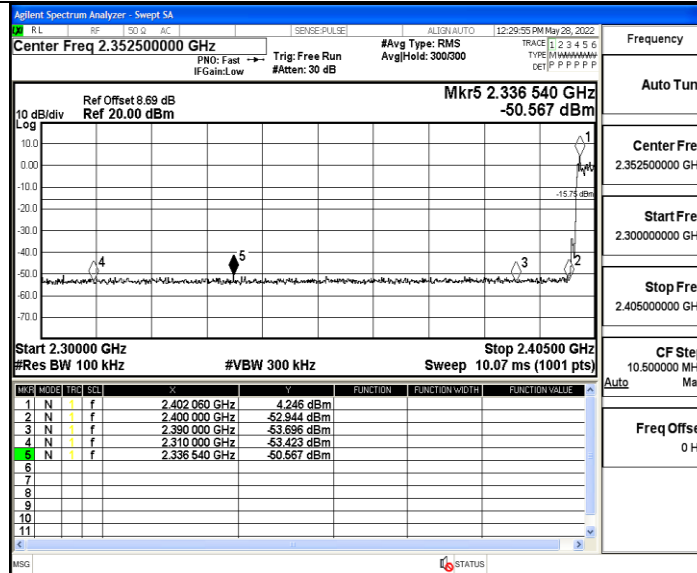
2DH5 Ant1 Low 2402



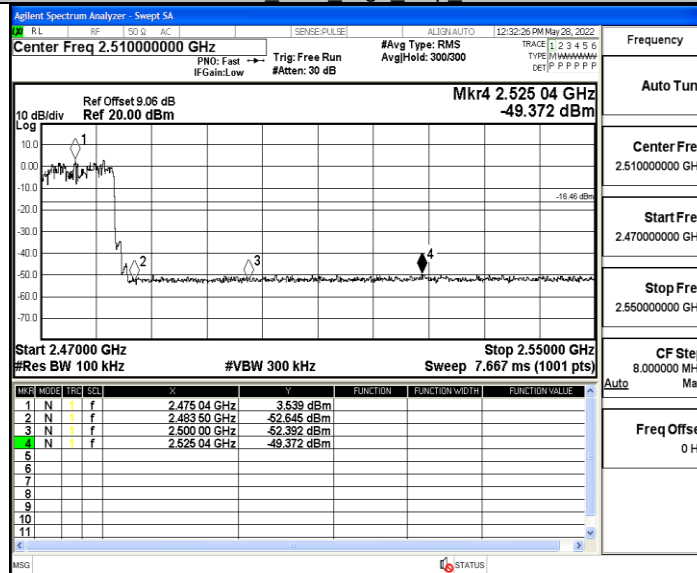
2DH5 Ant1 High 2480



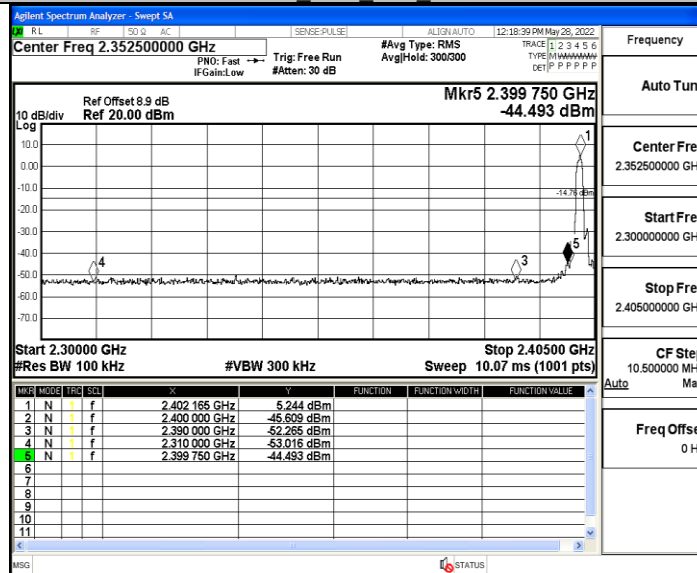
2DH5 Ant1 Low Hop 2402



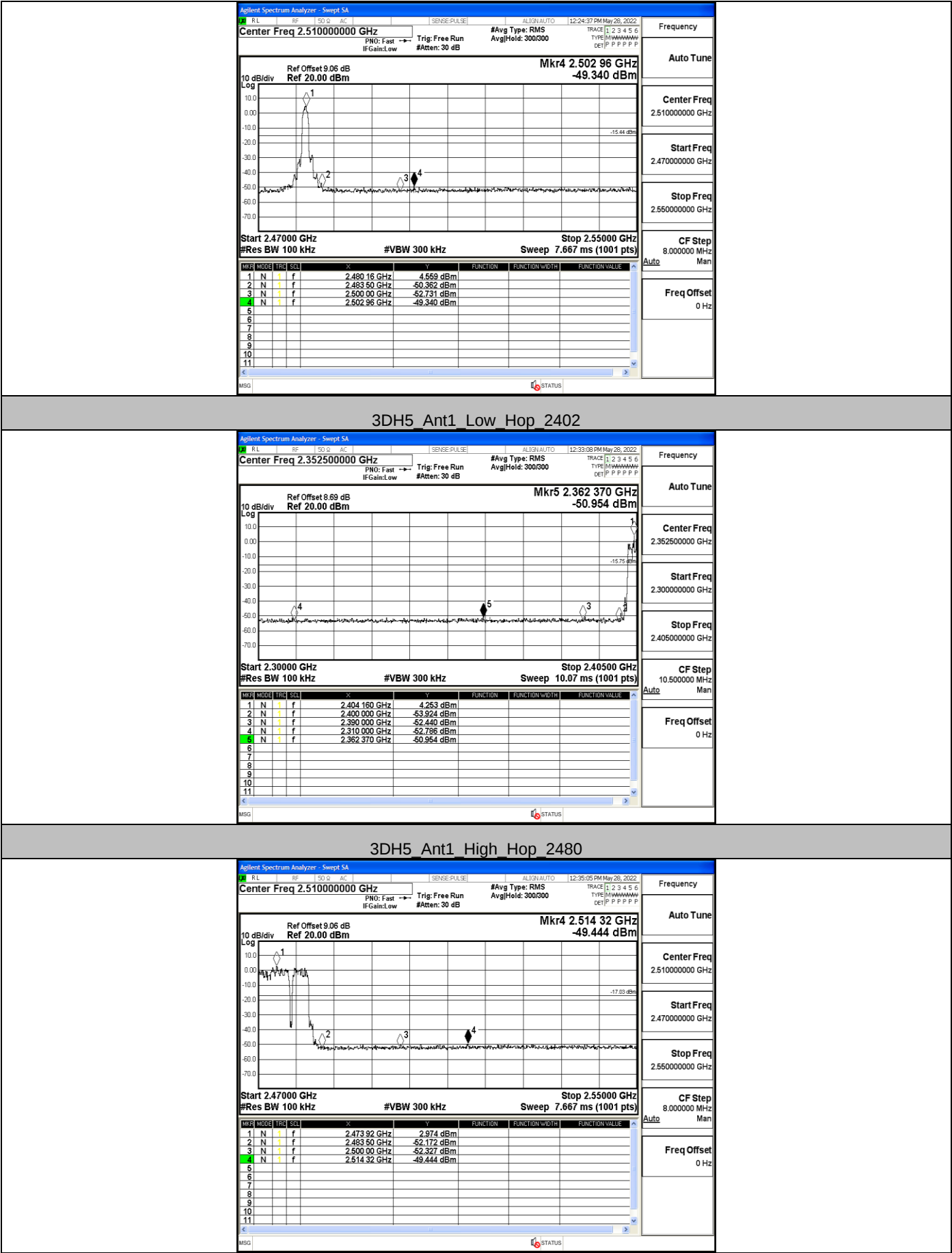
2DH5 Ant1 High Hop 2480



3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480

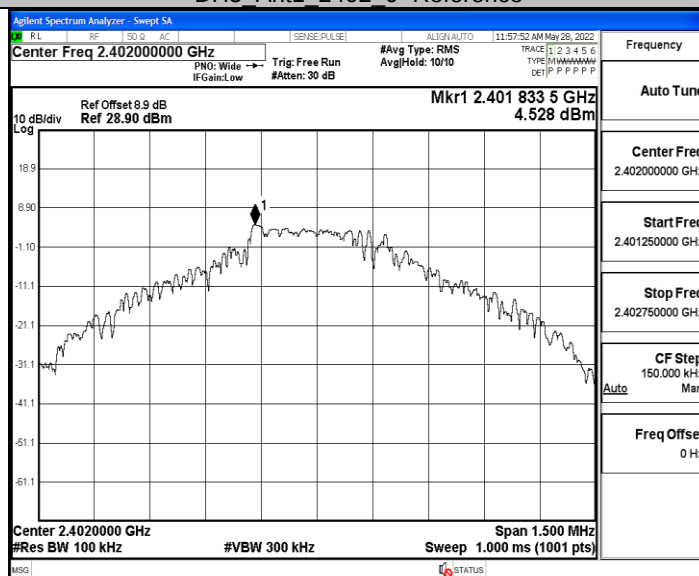


Appendix H: Conducted Spurious Emission Test Result

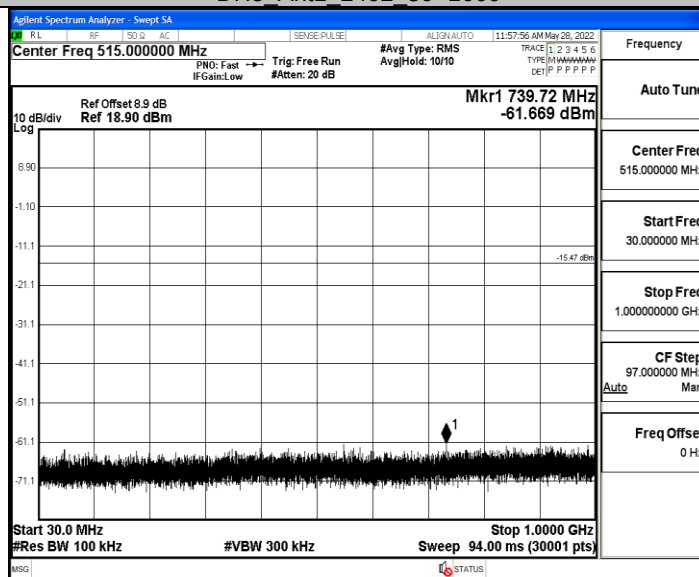
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-61.67	≤-15.47	PASS
			1000~26500	4.53	-51.18	≤-15.47	PASS
		2441	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-60.96	≤-15.24	PASS
			1000~26500	4.76	-51.56	≤-15.24	PASS
		2480	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-60.17	≤-15.29	PASS
			1000~26500	4.71	-50.08	≤-15.29	PASS
2DH5	Ant1	2402	Reference	3.40	3.40	---	PASS
			30~1000	3.40	-62.06	≤-16.6	PASS
			1000~26500	3.40	-50.76	≤-16.6	PASS
		2441	Reference	3.83	3.83	---	PASS
			30~1000	3.83	-61.63	≤-16.17	PASS
			1000~26500	3.83	-39.17	≤-16.17	PASS
		2480	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-60.9	≤-16.01	PASS
			1000~26500	3.99	-50.73	≤-16.01	PASS
3DH5	Ant1	2402	Reference	4.50	4.50	---	PASS
			30~1000	4.50	-61.42	≤-15.5	PASS
			1000~26500	4.50	-51.15	≤-15.5	PASS
		2441	Reference	2.64	2.64	---	PASS
			30~1000	2.64	-61.21	≤-17.36	PASS
			1000~26500	2.64	-50.43	≤-17.36	PASS
		2480	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-60.84	≤-18	PASS
			1000~26500	2.00	-50.89	≤-18	PASS

Test Graphs

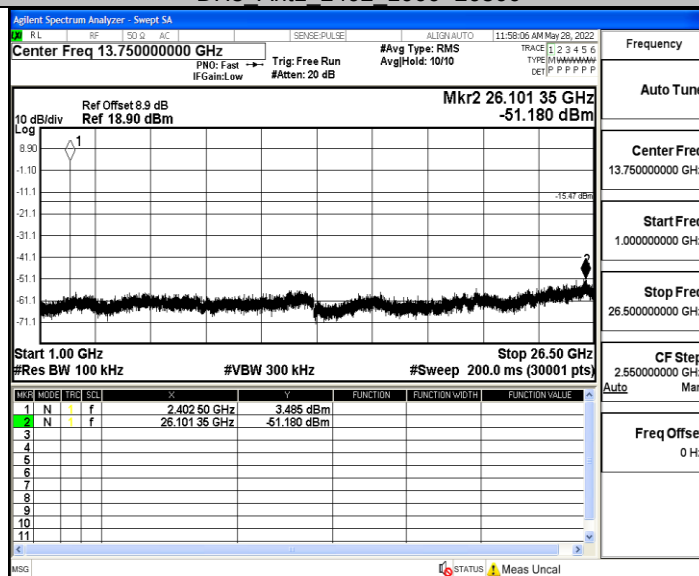
DH5_Ant1_2402_0-Reference



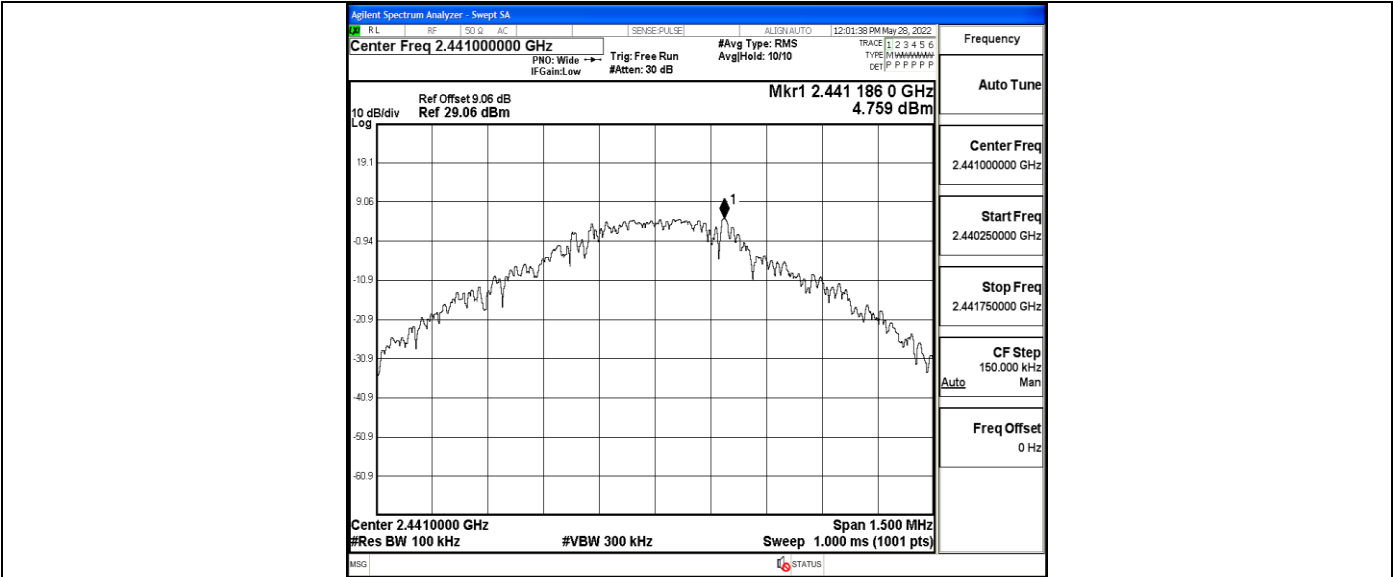
DH5_Ant1_2402_30-1000



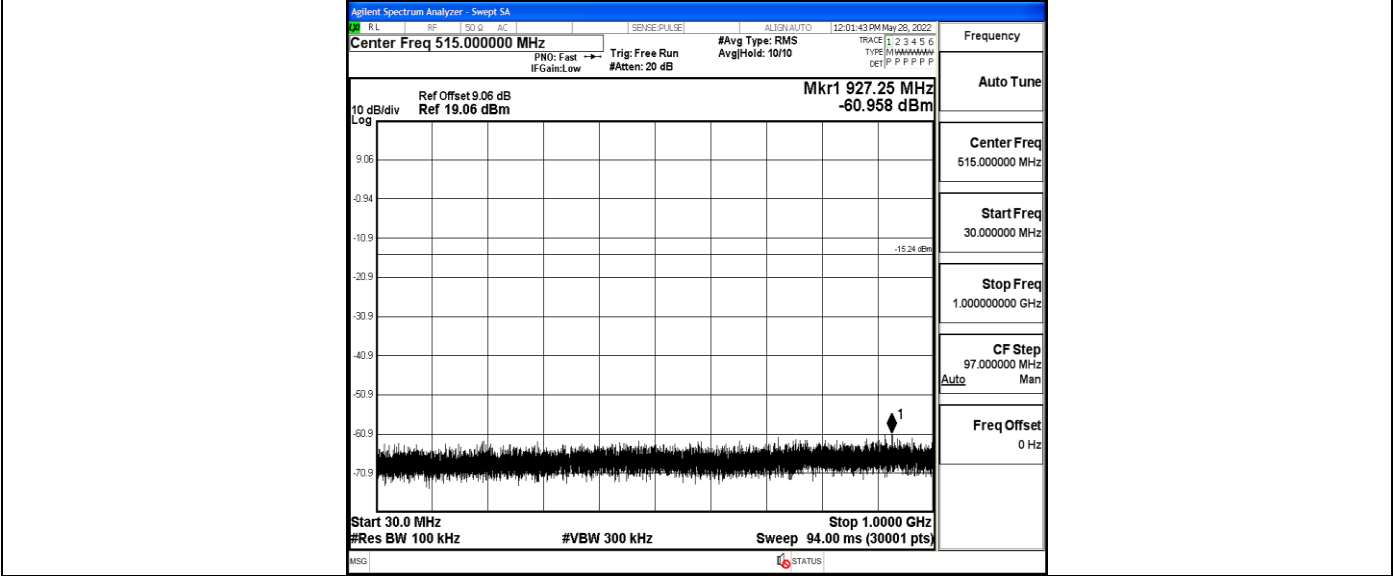
DH5_Ant1_2402_1000-26500



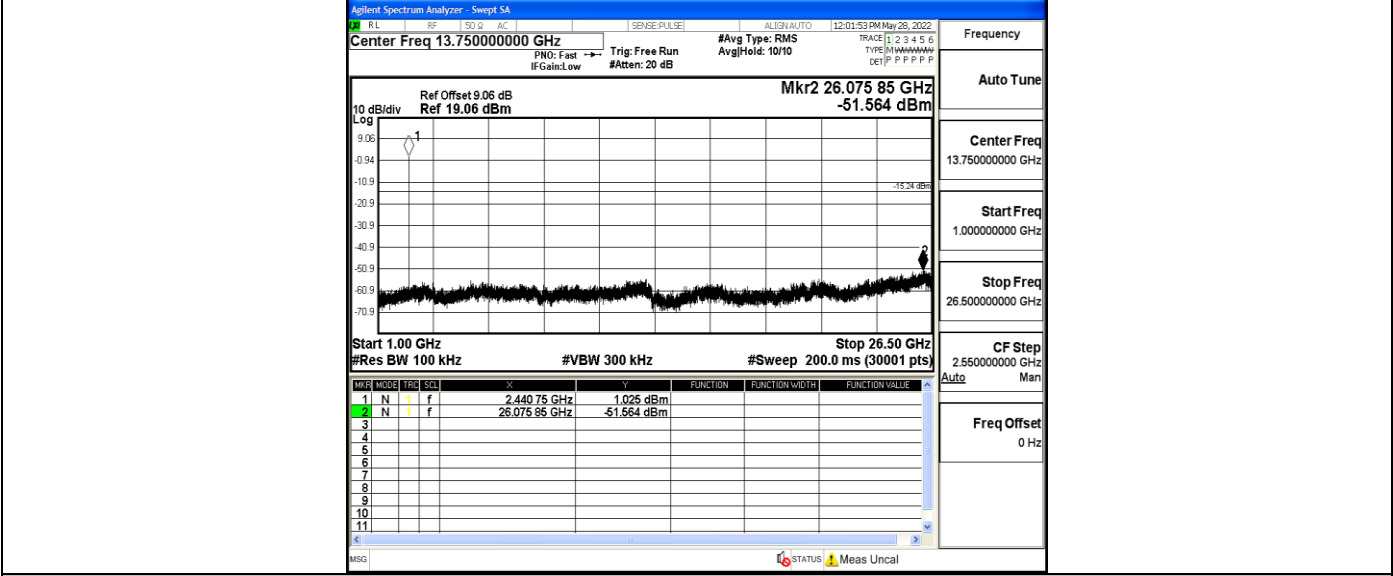
DH5_Ant1_2441_0-Reference



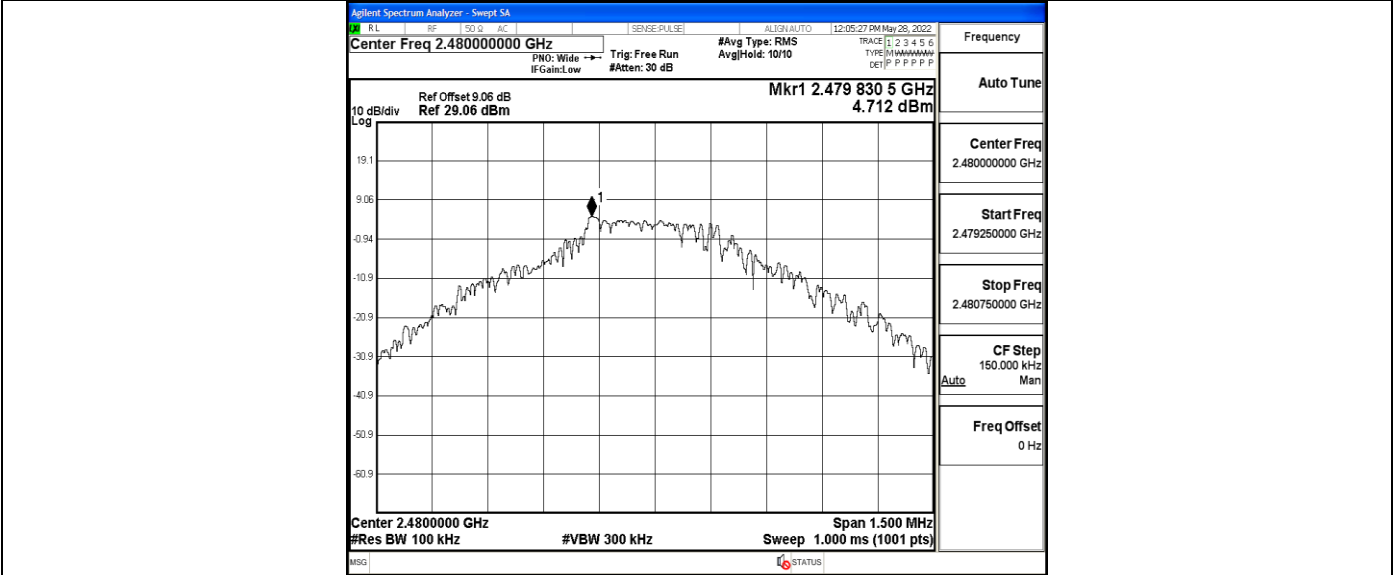
DH5_Ant1_2441_30~1000

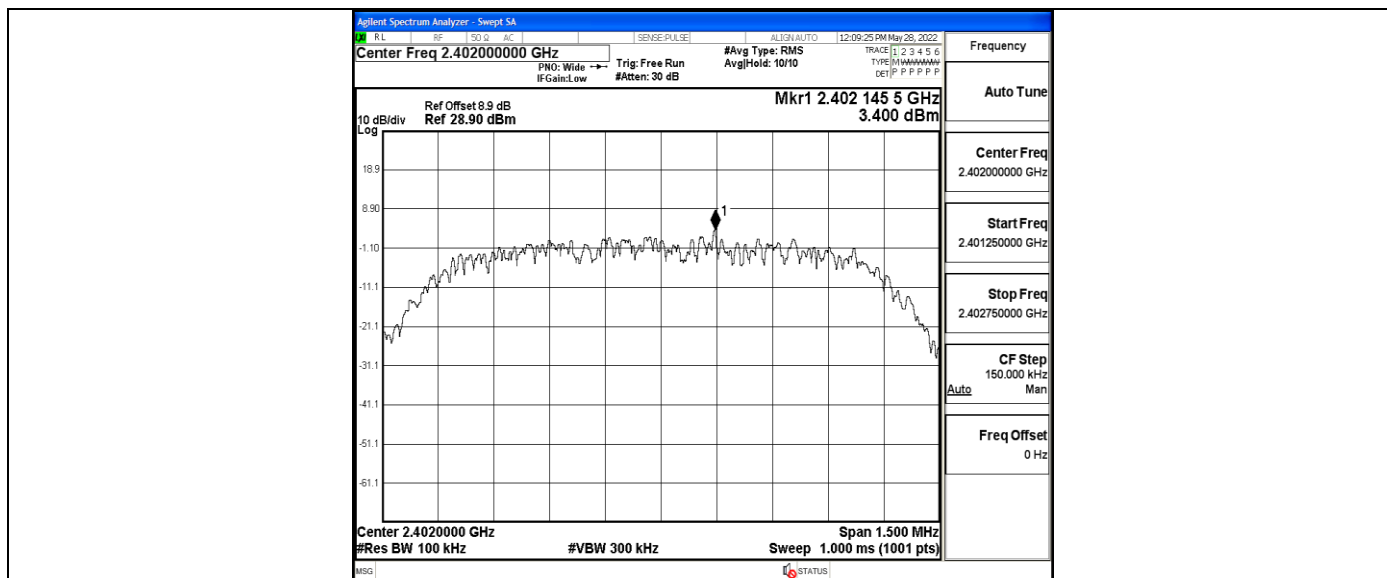


DH5_Ant1_2441_1000~26500

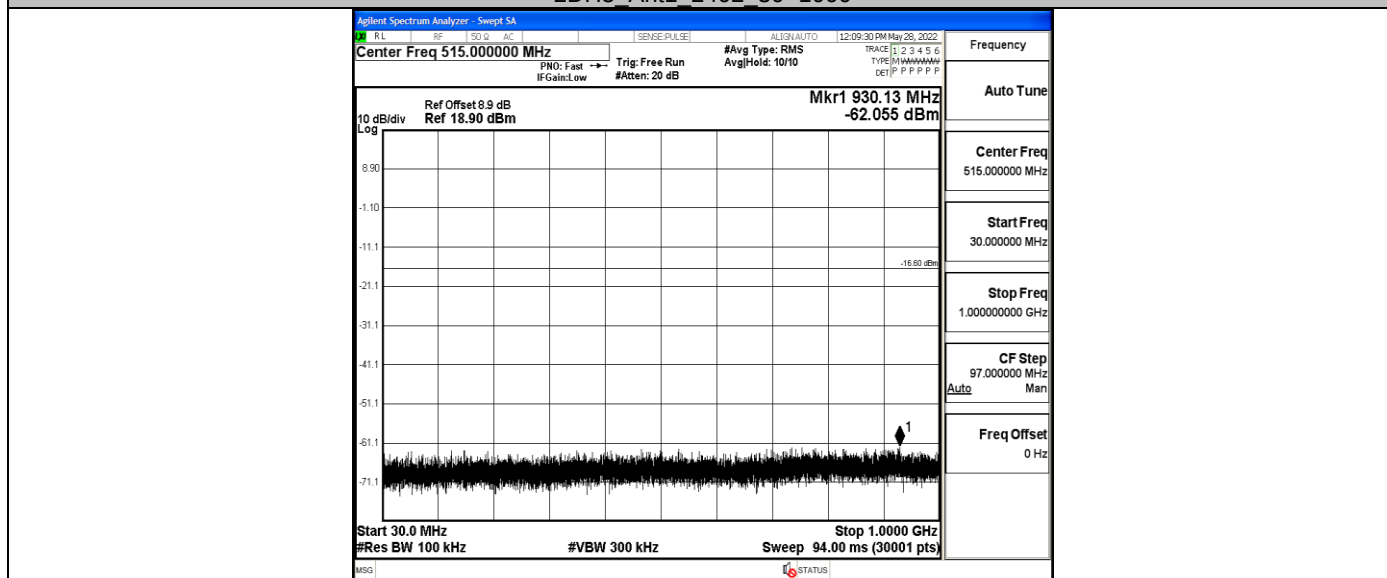


DH5_Ant1_2480_0-Reference

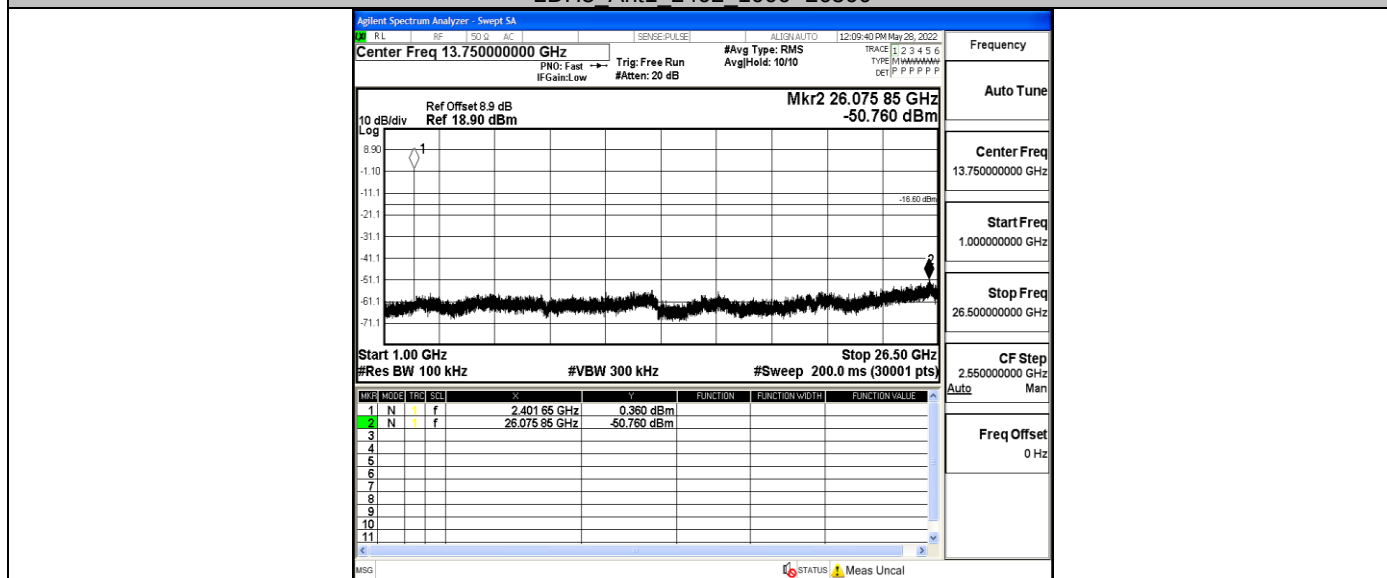




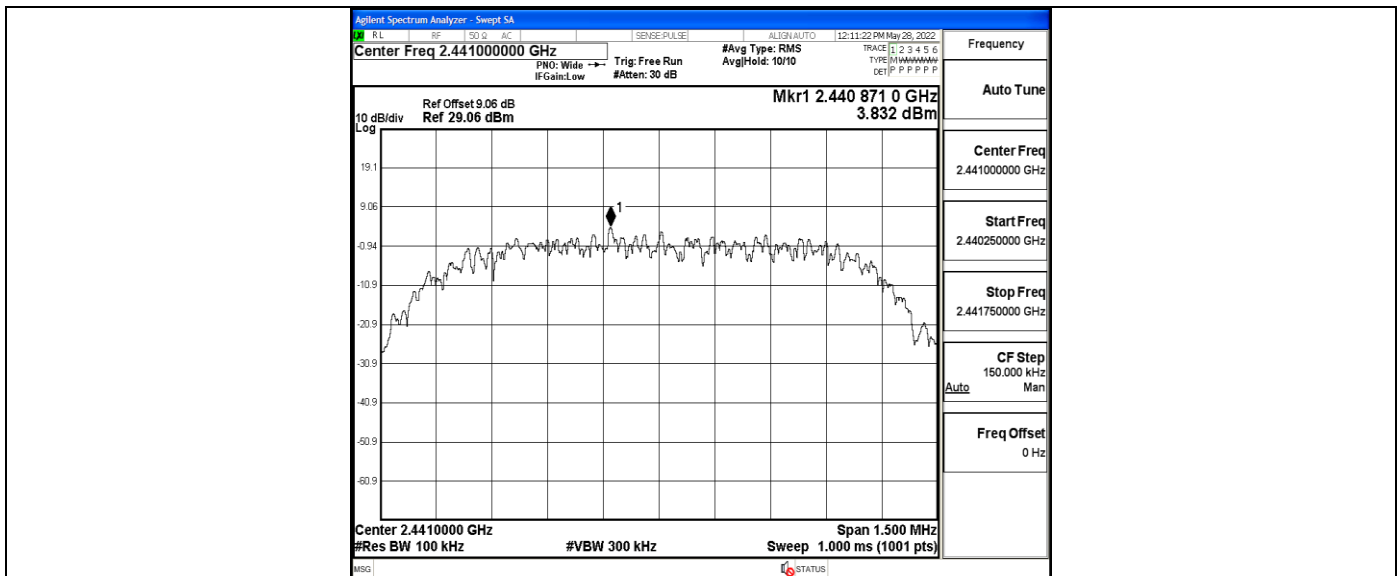
2DH5 Ant1 2402 30~1000



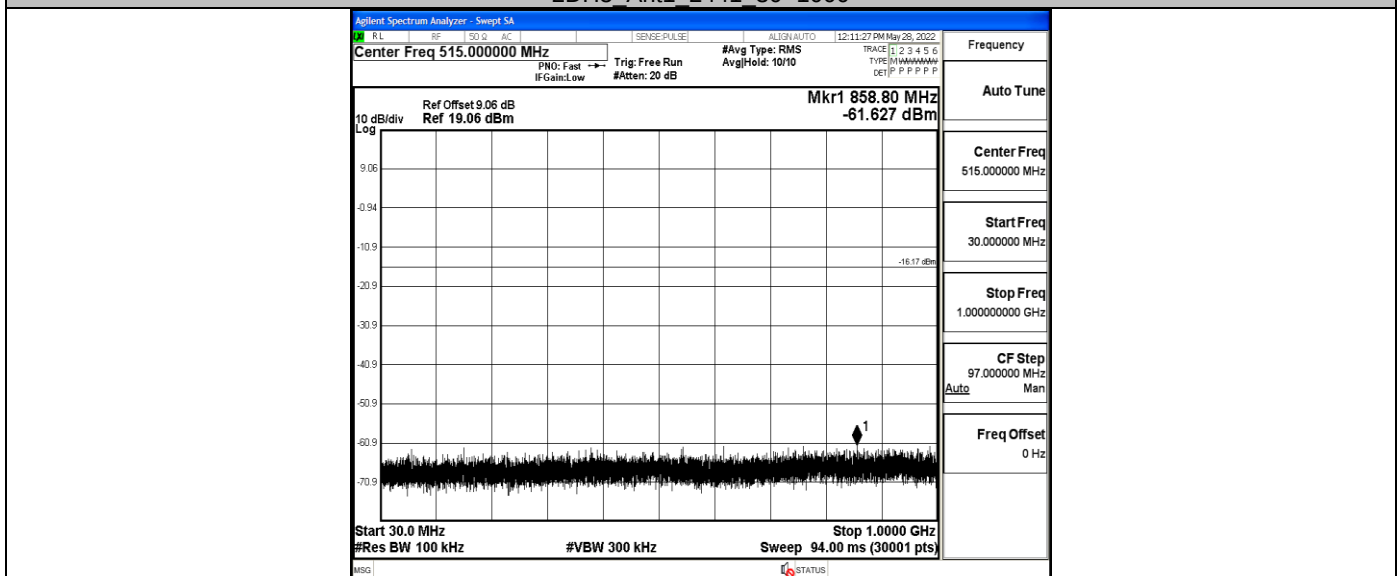
2DH5 Ant1 2402 1000~26500



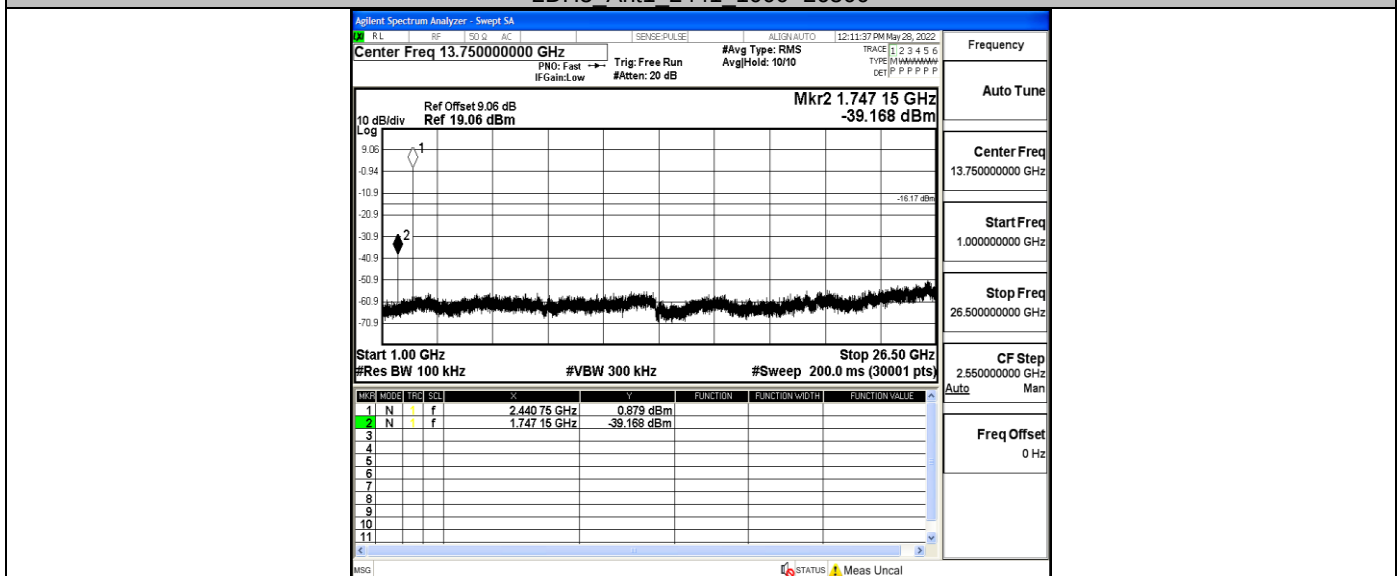
2DH5 Ant1 2441 0~Reference



2DH5 Ant1 2441 30~1000



2DH5 Ant1 2441 1000~26500



2DH5 Ant1 2480 0~Reference