

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

Product Name: 4K Set Top Box

Trade Mark: Homatics

Test Model: SX6BHET

FCC ID: 2AOVU-SX6BHET

### Environmental Conditions

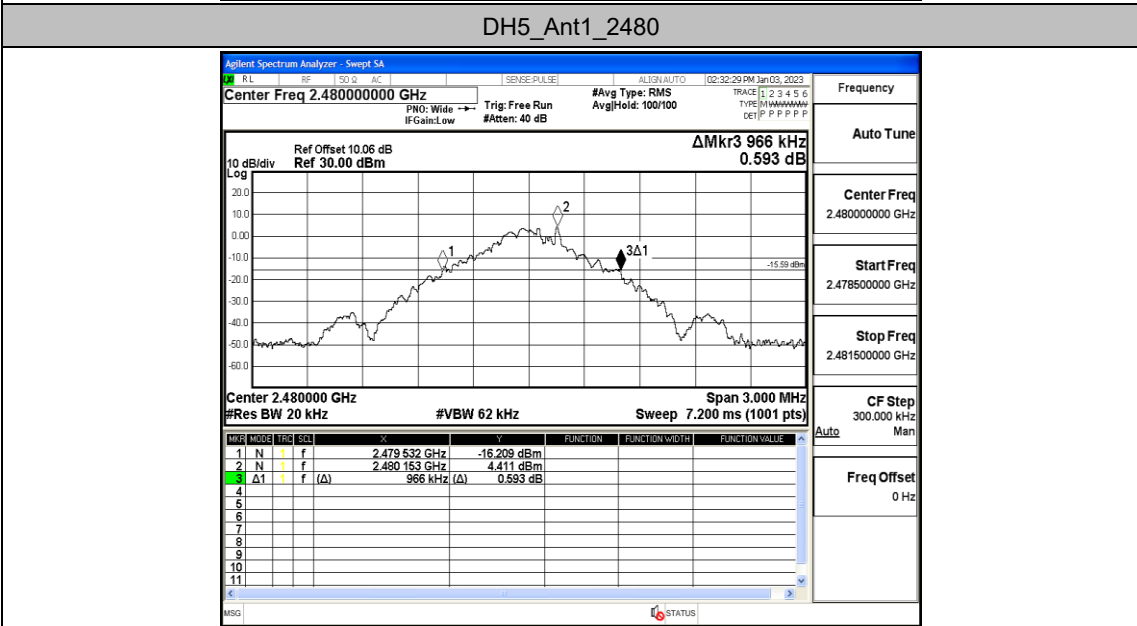
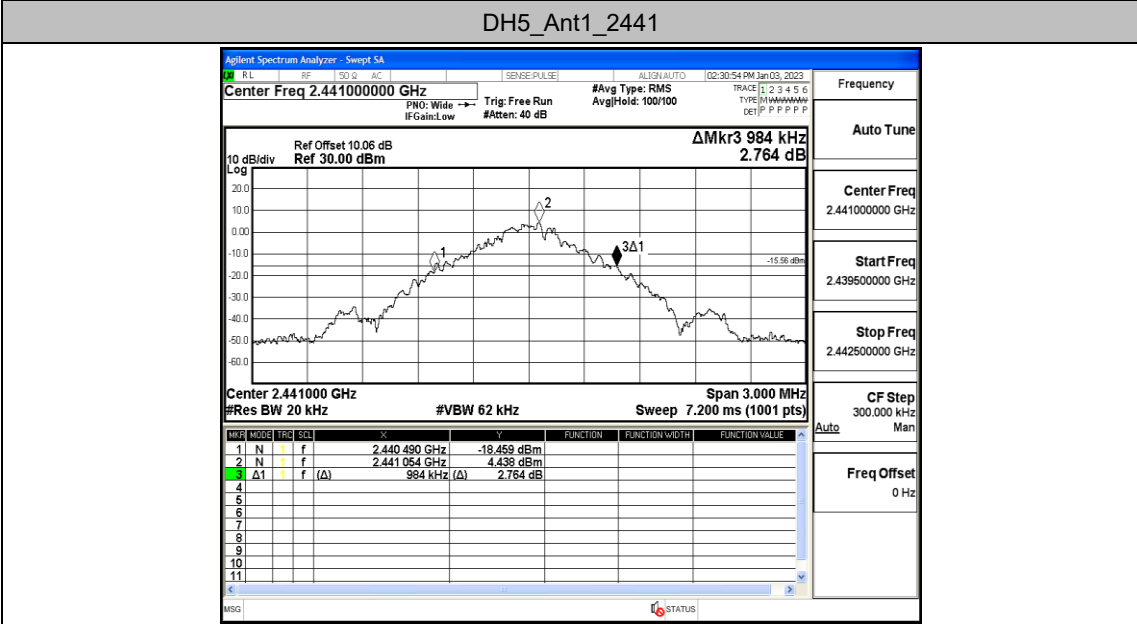
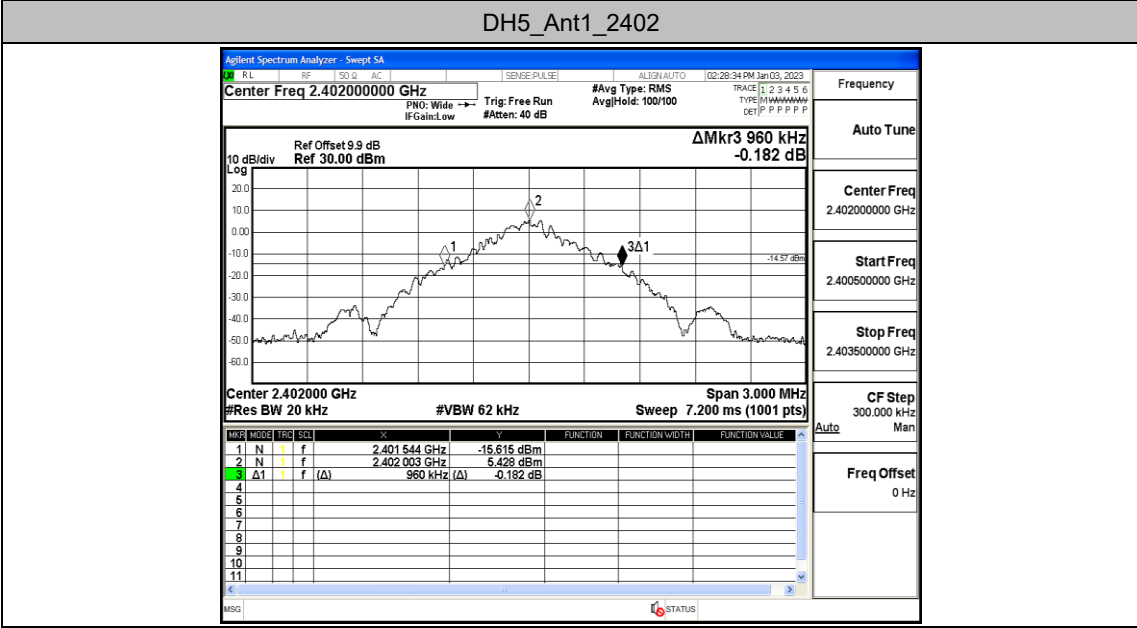
Temperature:	23.4℃
Relative Humidity:	49%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: 20dB Emission Bandwidth

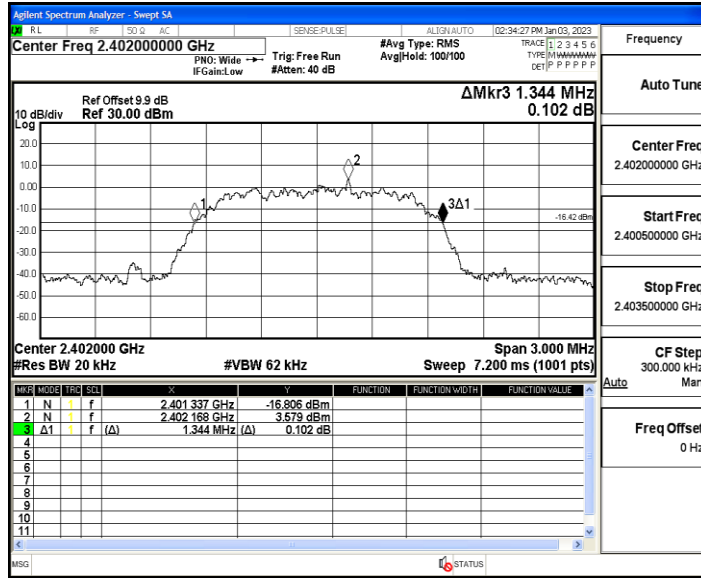
### Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.544	2402.504	---	---
		2441	0.984	2440.490	2441.474	---	---
		2480	0.966	2479.532	2480.498	---	---
2DH5	Ant1	2402	1.344	2401.337	2402.681	---	---
		2441	1.329	2440.334	2441.663	---	---
		2480	1.344	2479.322	2480.666	---	---
3DH5	Ant1	2402	1.302	2401.352	2402.654	---	---
		2441	1.362	2440.316	2441.678	---	---
		2480	1.356	2479.310	2480.666	---	---

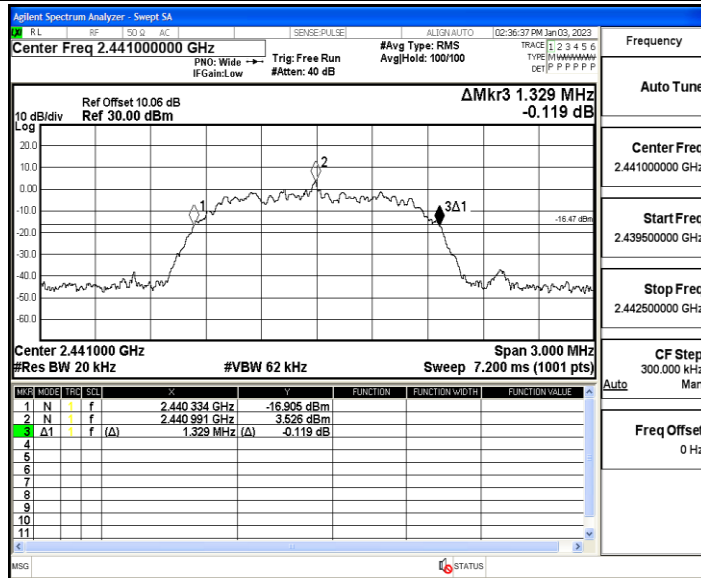
Test Graphs



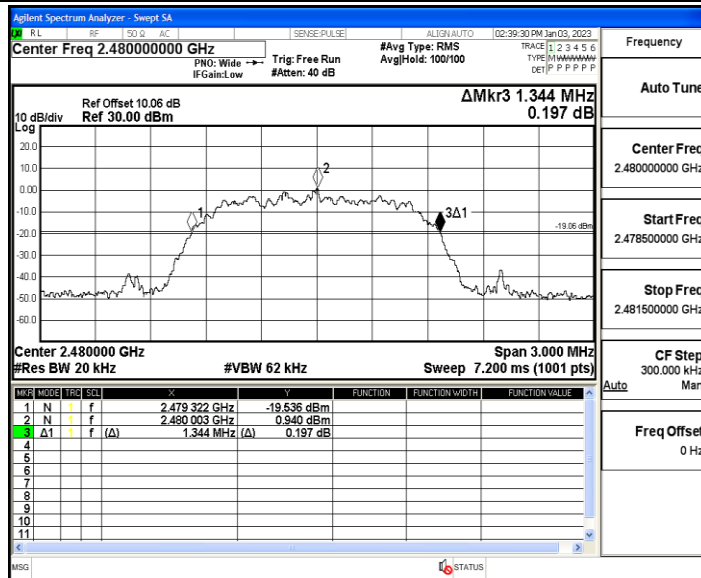
**2DH5\_Ant1\_2402**



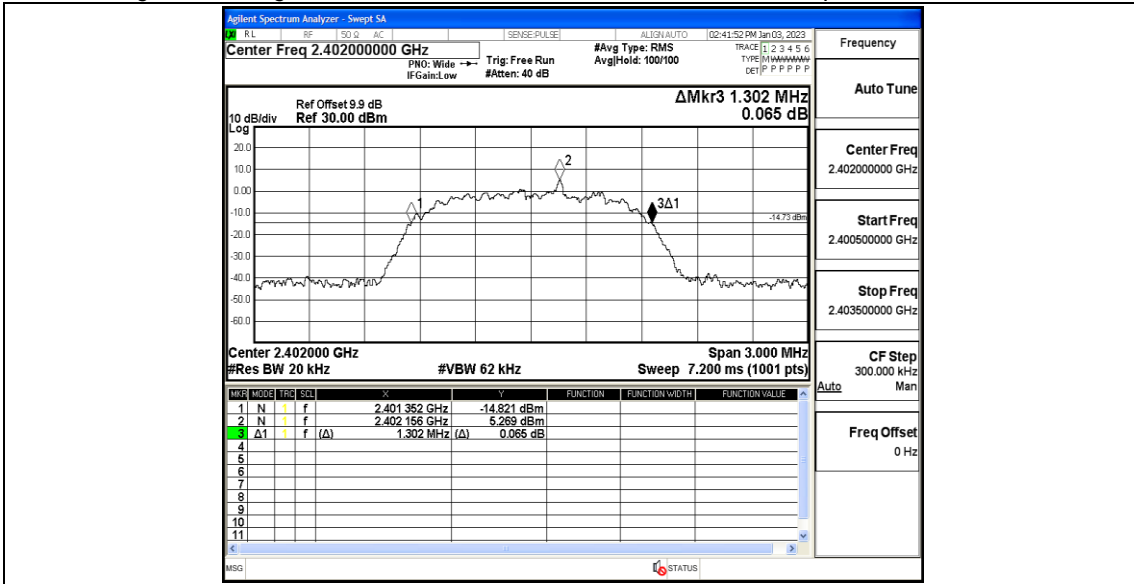
2DH5\_Ant1\_2441



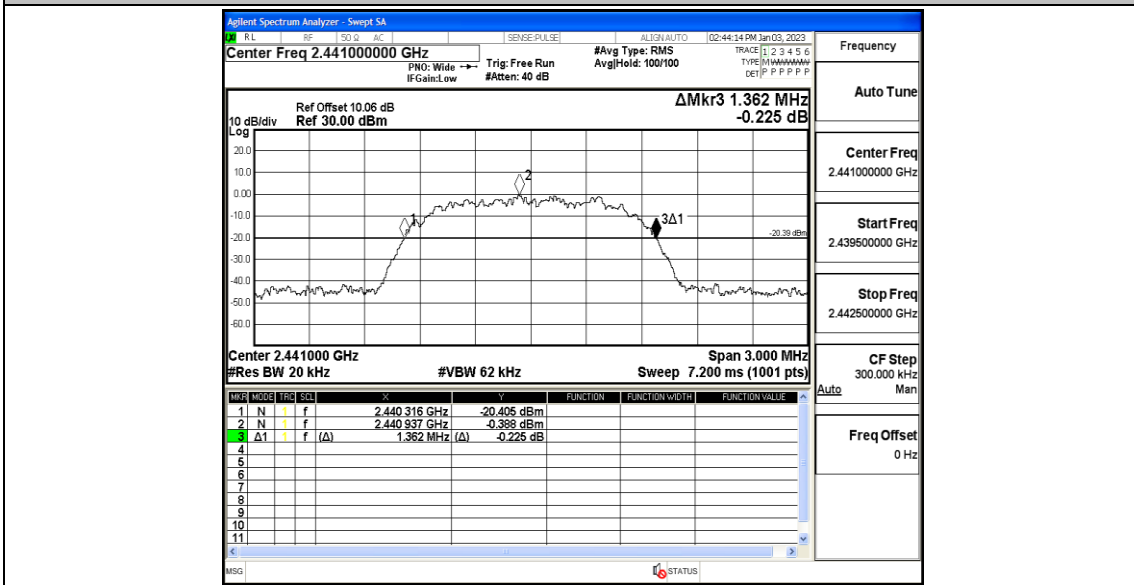
2DH5\_Ant1\_2480



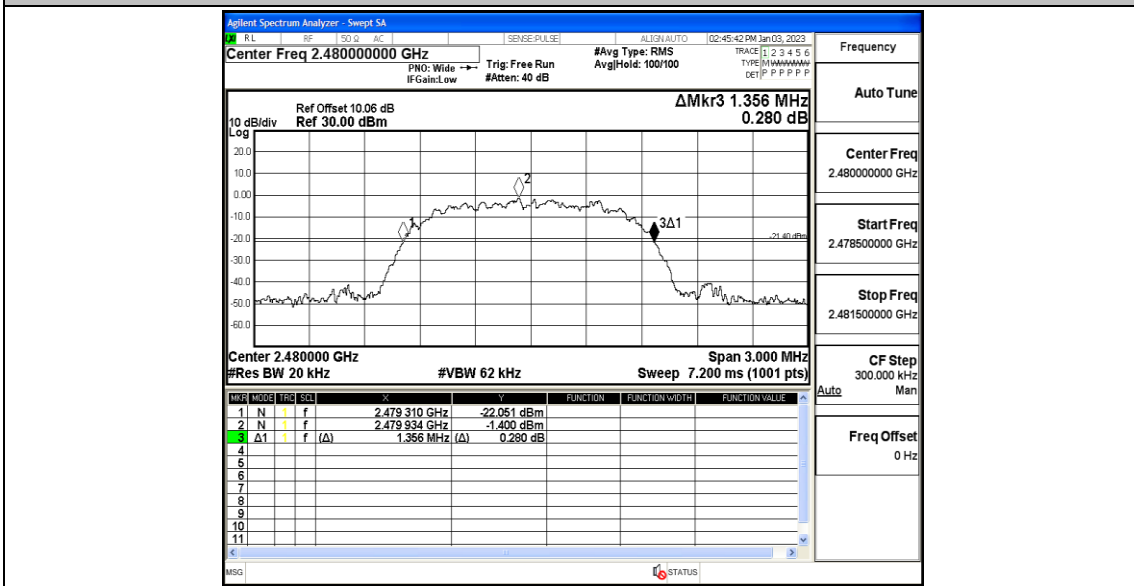
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

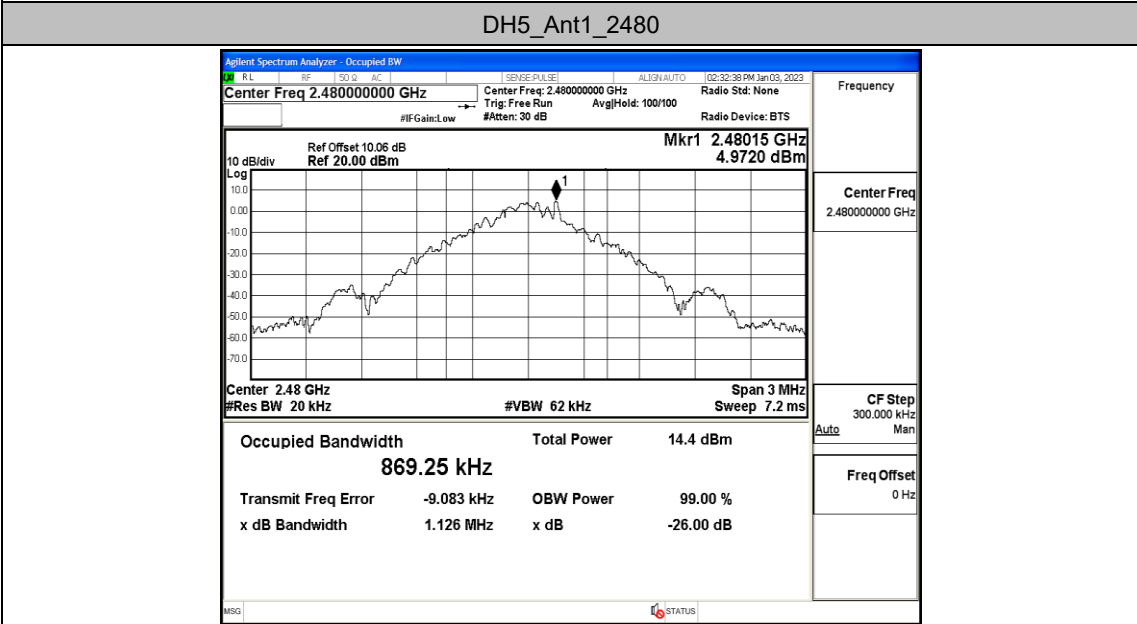
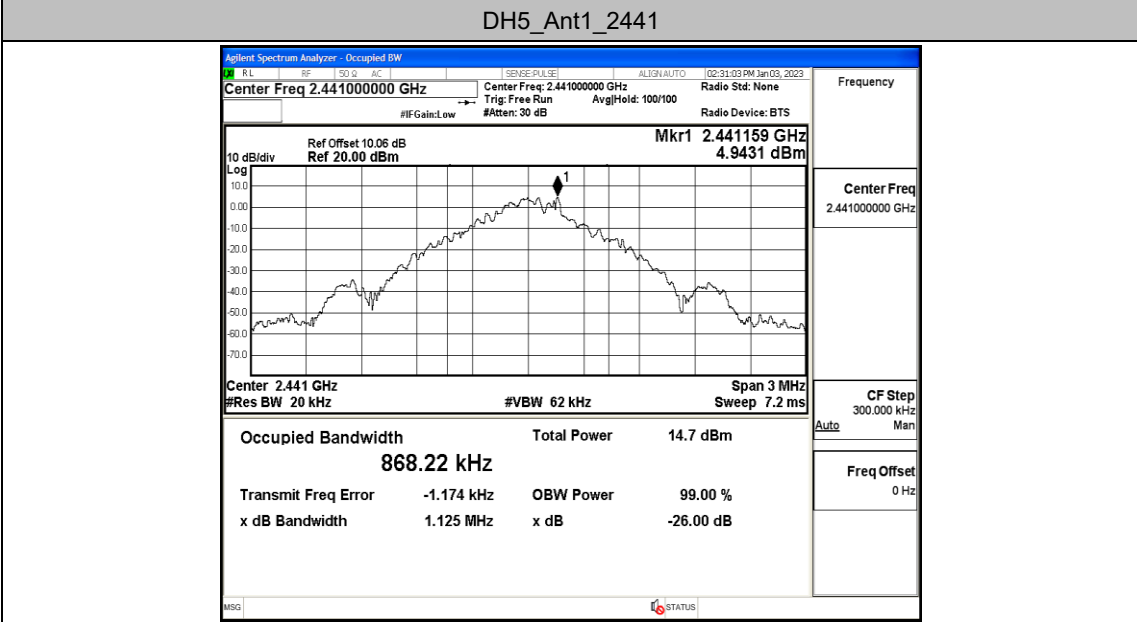
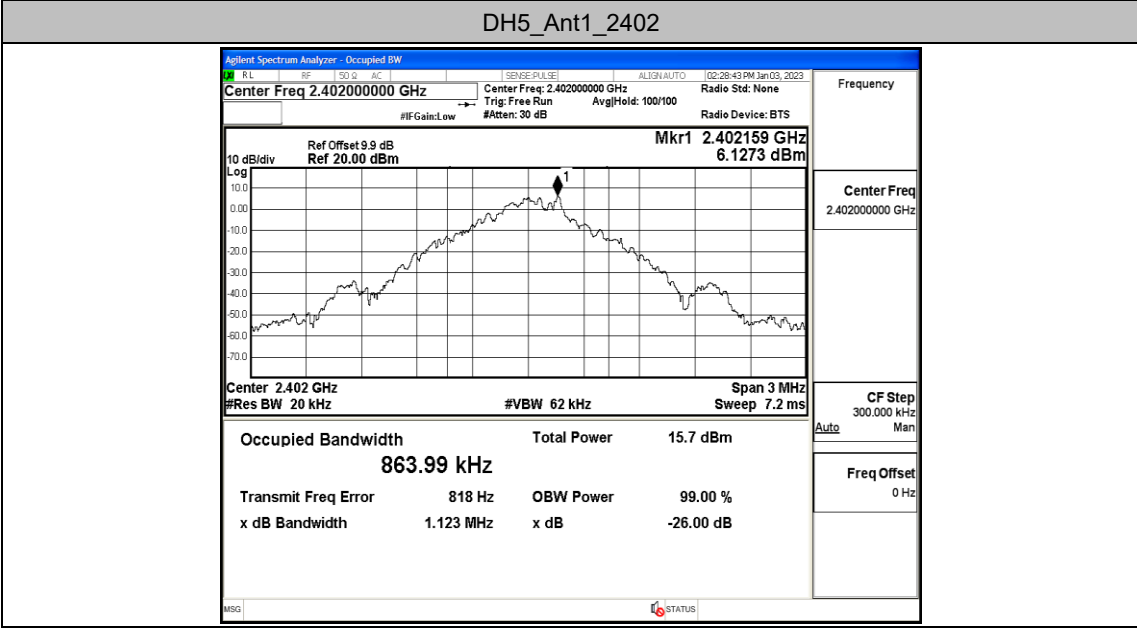


## Appendix B: Occupied Channel Bandwidth

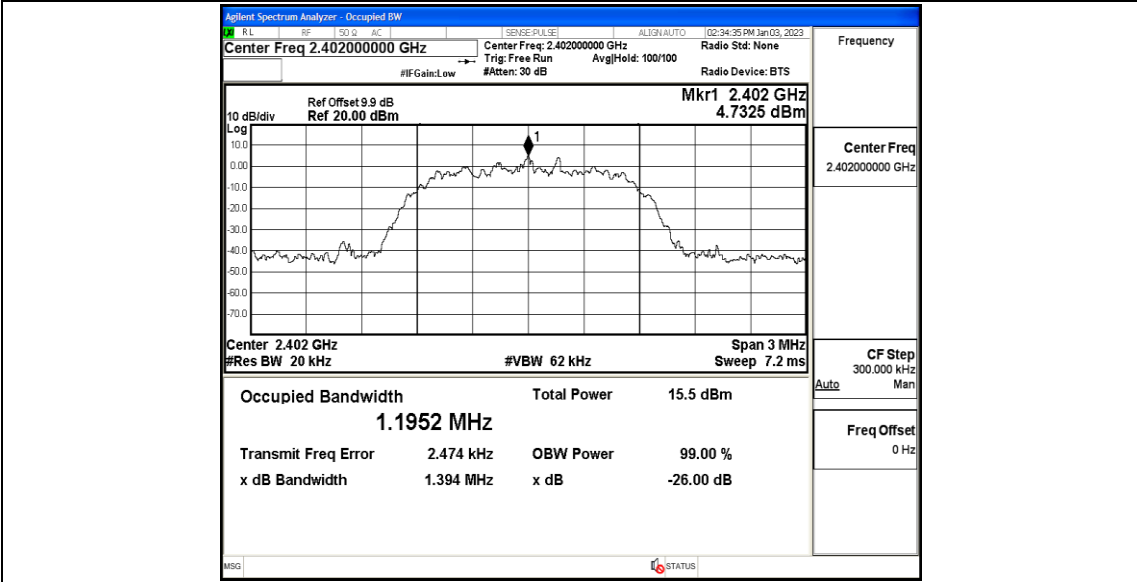
### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86399	2401.5688	2402.4328	---	---
		2441	0.86822	2440.5647	2441.4329	---	---
		2480	0.86925	2479.5563	2480.4255	---	---
2DH5	Ant1	2402	1.1952	2401.4049	2402.6001	---	---
		2441	1.2025	2440.3958	2441.5983	---	---
		2480	1.2041	2479.3881	2480.5922	---	---
3DH5	Ant1	2402	1.2077	2401.3914	2402.5991	---	---
		2441	1.2072	2440.3836	2441.5908	---	---
		2480	1.2068	2479.3780	2480.5848	---	---

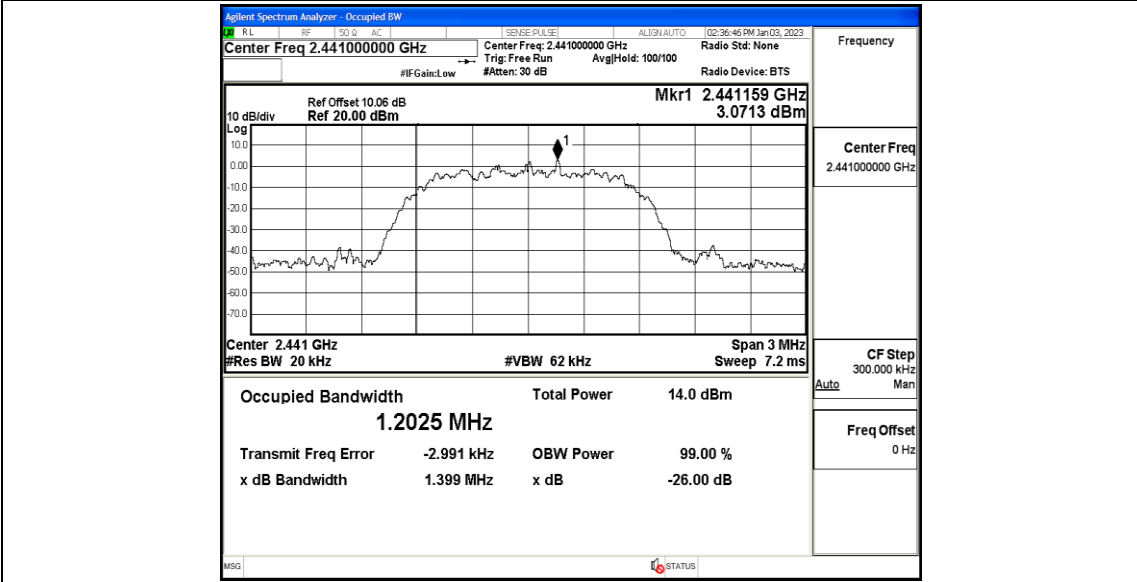
Test Graphs



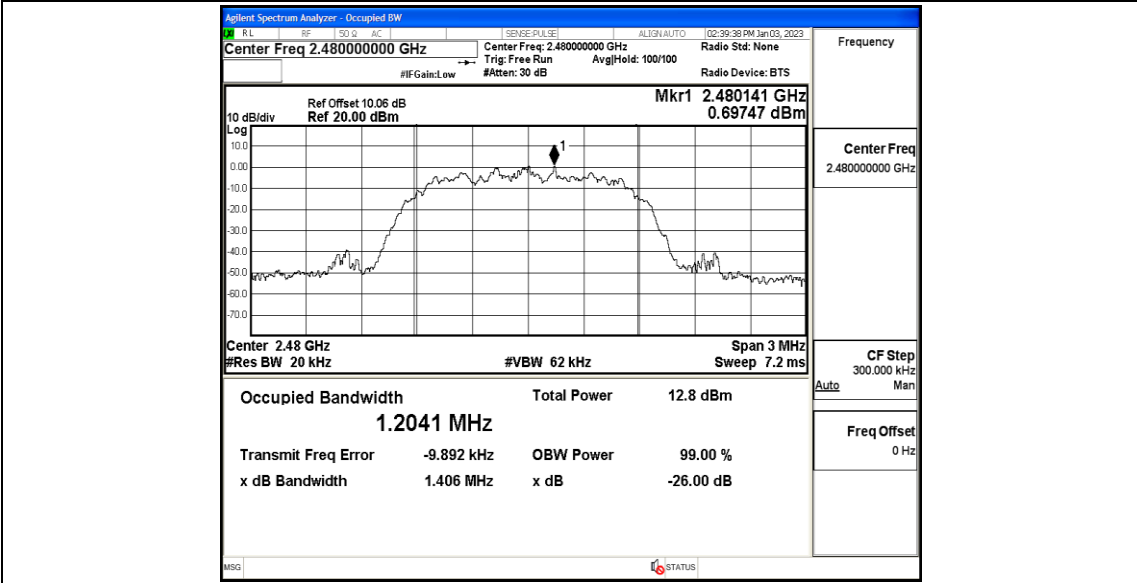
**2DH5\_Ant1\_2402**



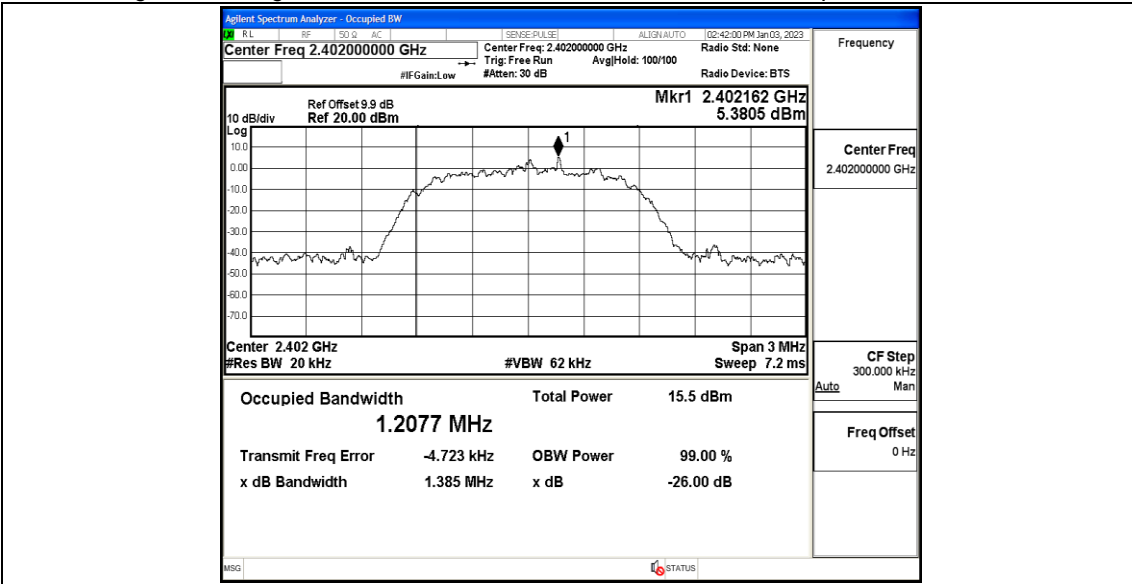
2DH5\_Ant1\_2441



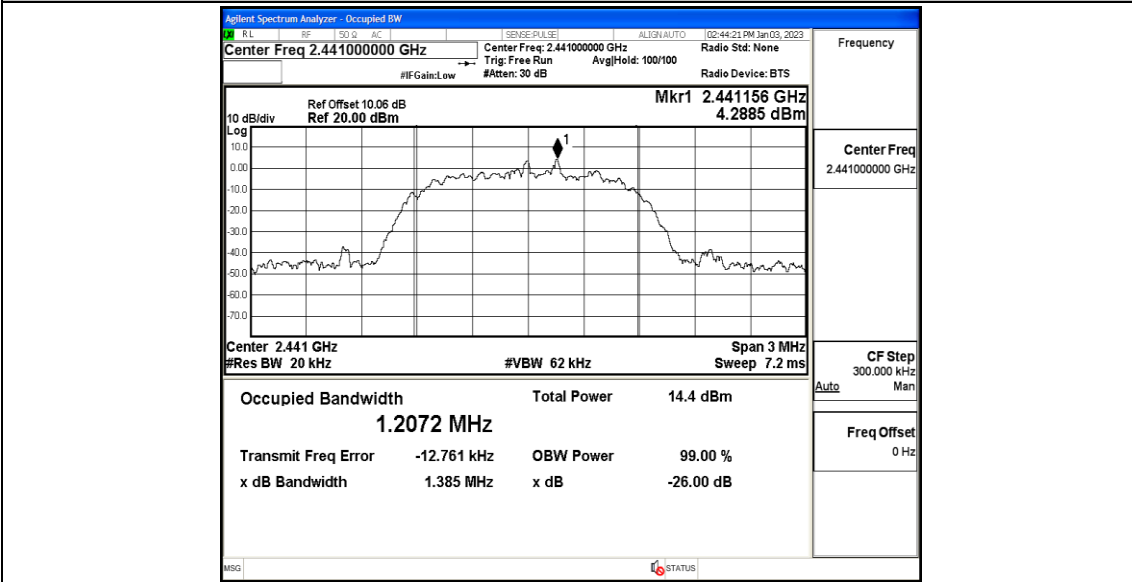
2DH5\_Ant1\_2480



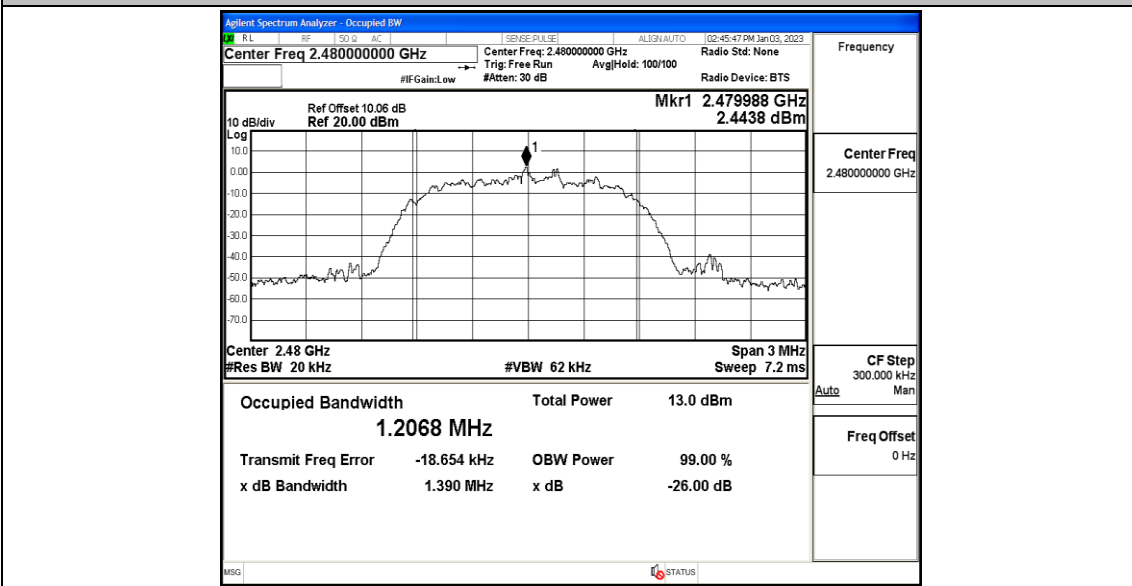
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480



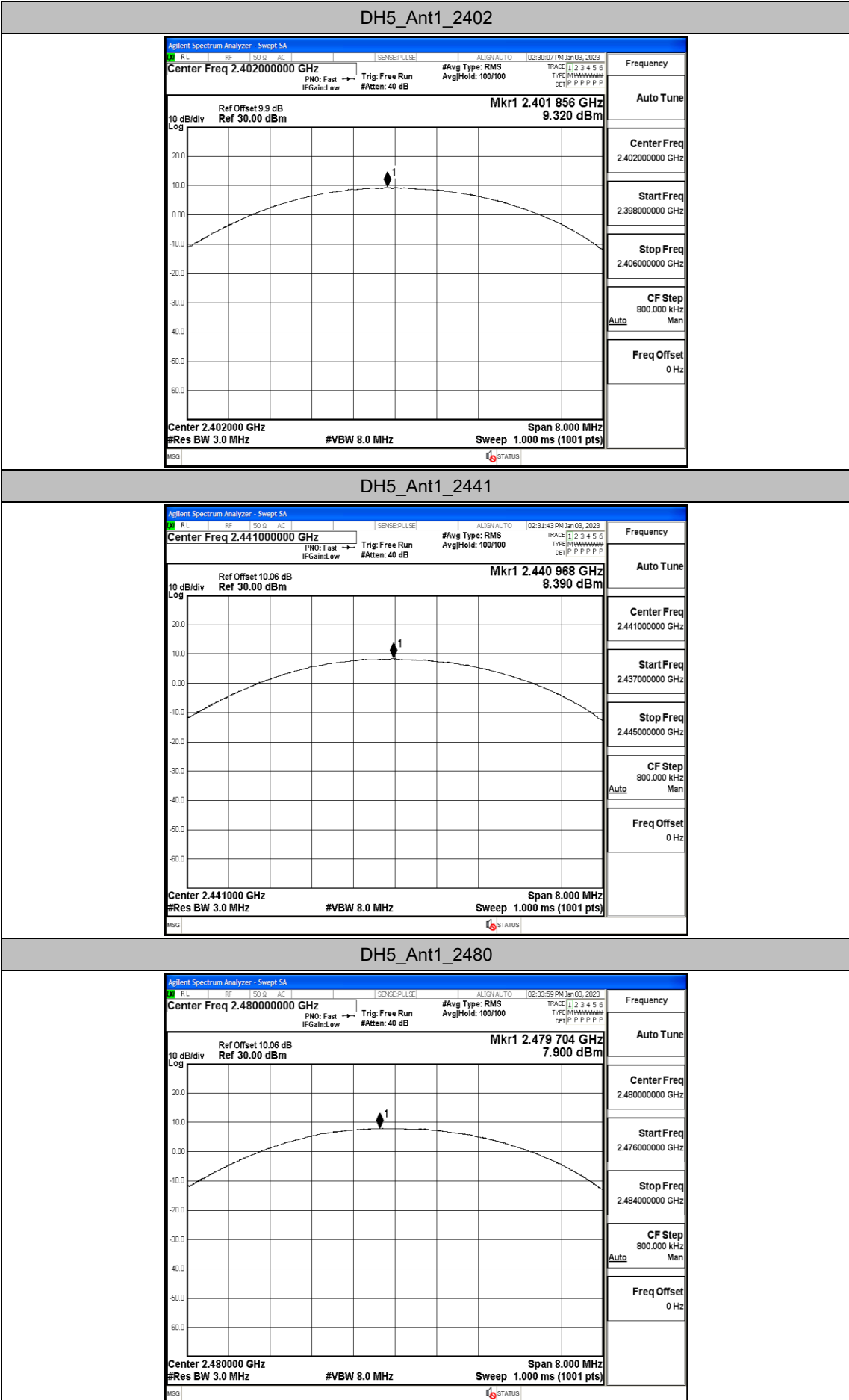


## Appendix C: Maximum Peak conducted output power

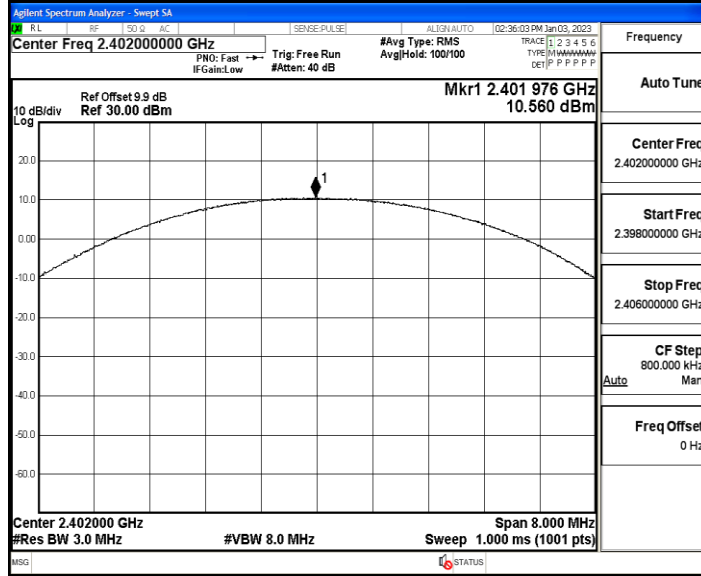
### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	9.32	≤30.0	PASS
		2441	8.39	≤30.0	PASS
		2480	7.9	≤30.0	PASS
2DH5	Ant1	2402	10.56	≤20.97	PASS
		2441	9.42	≤20.97	PASS
		2480	8.22	≤20.97	PASS
3DH5	Ant1	2402	11.02	≤20.97	PASS
		2441	9.87	≤20.97	PASS
		2480	8.76	≤20.97	PASS

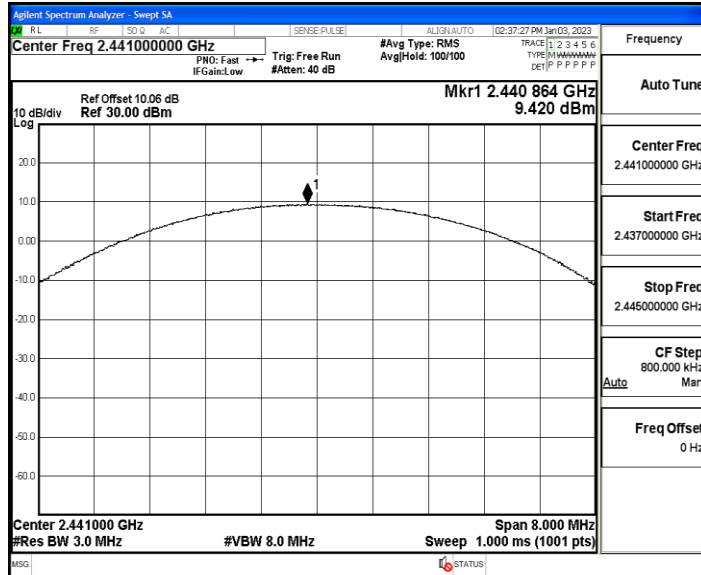
### Test Graphs



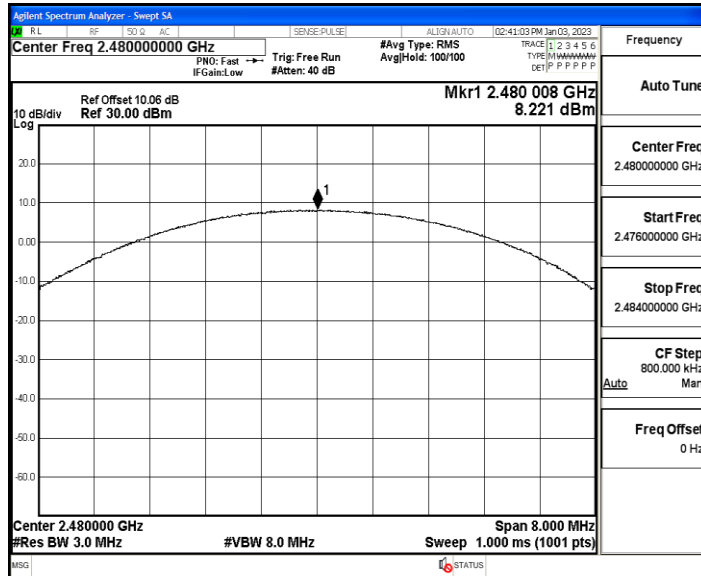
2DH5\_Ant1\_2402



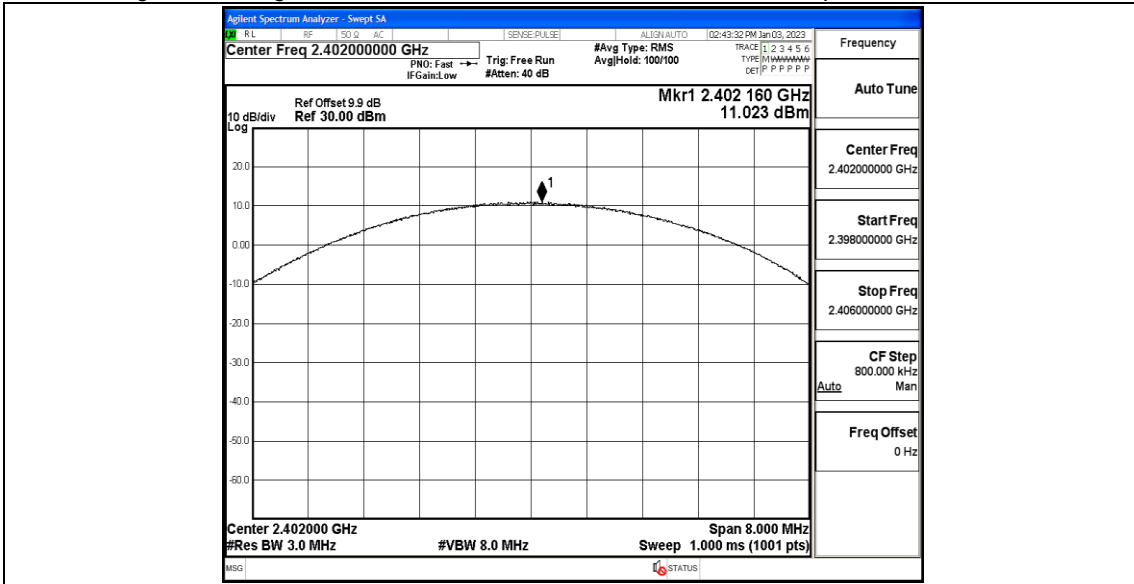
2DH5\_Ant1\_2441



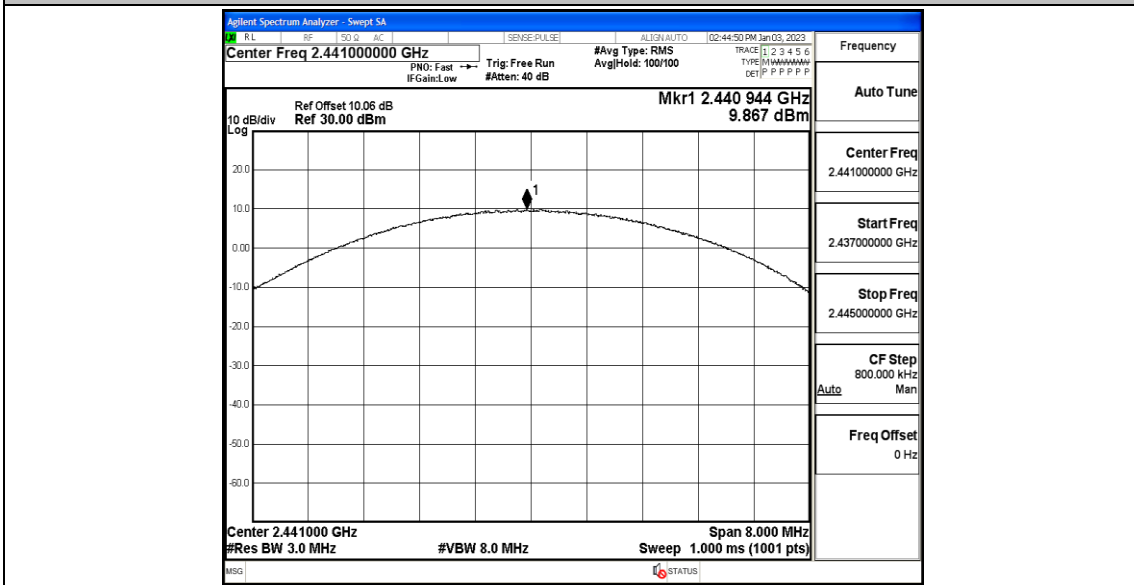
2DH5\_Ant1\_2480



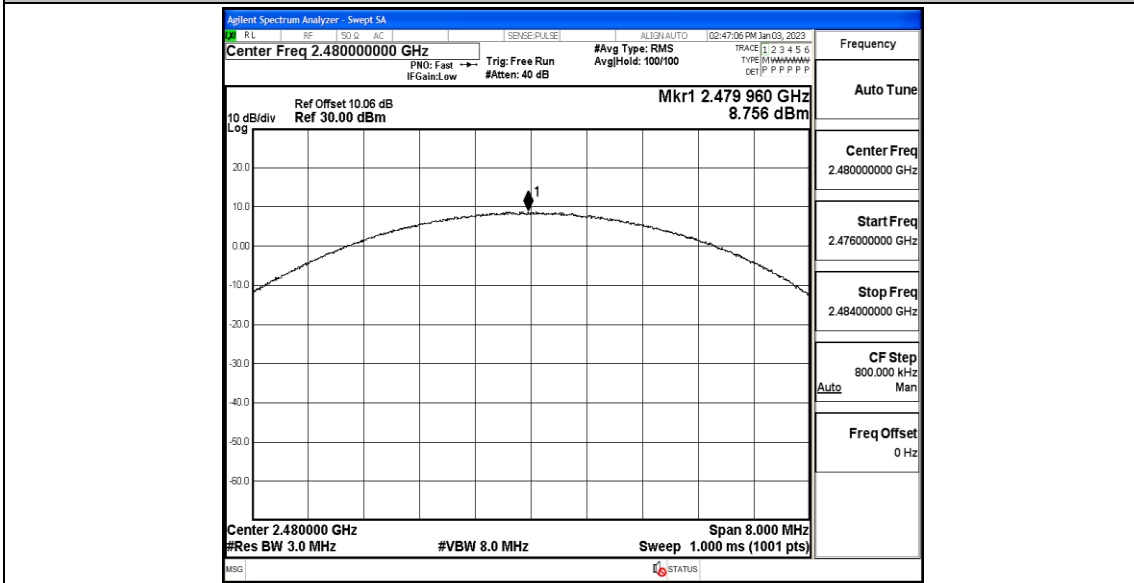
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480

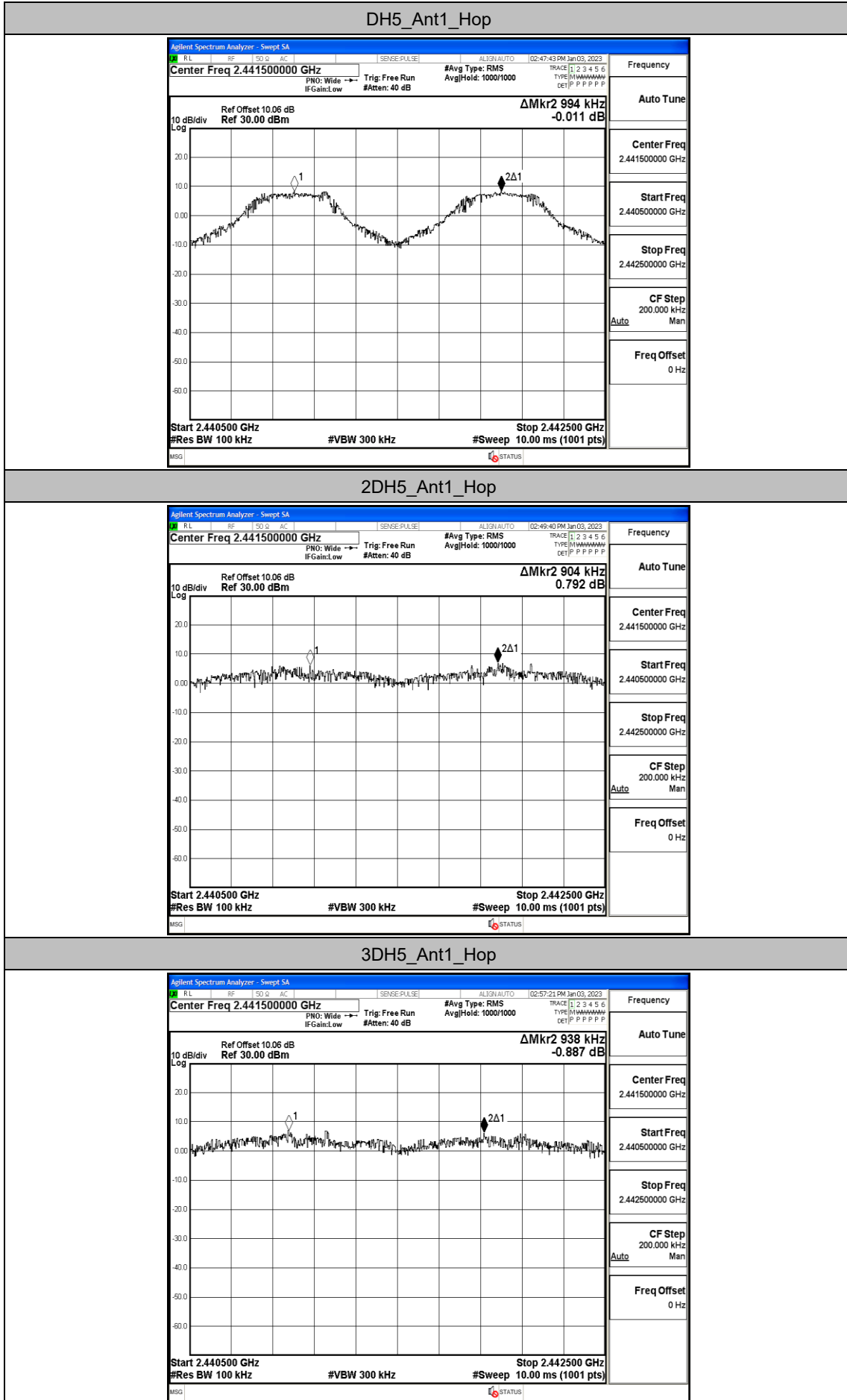


## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	$\geq 0.984$	PASS
2DH5	Ant1	Hop	0.904	$\geq 0.896$	PASS
3DH5	Ant1	Hop	0.938	$\geq 0.908$	PASS

### Test Graphs

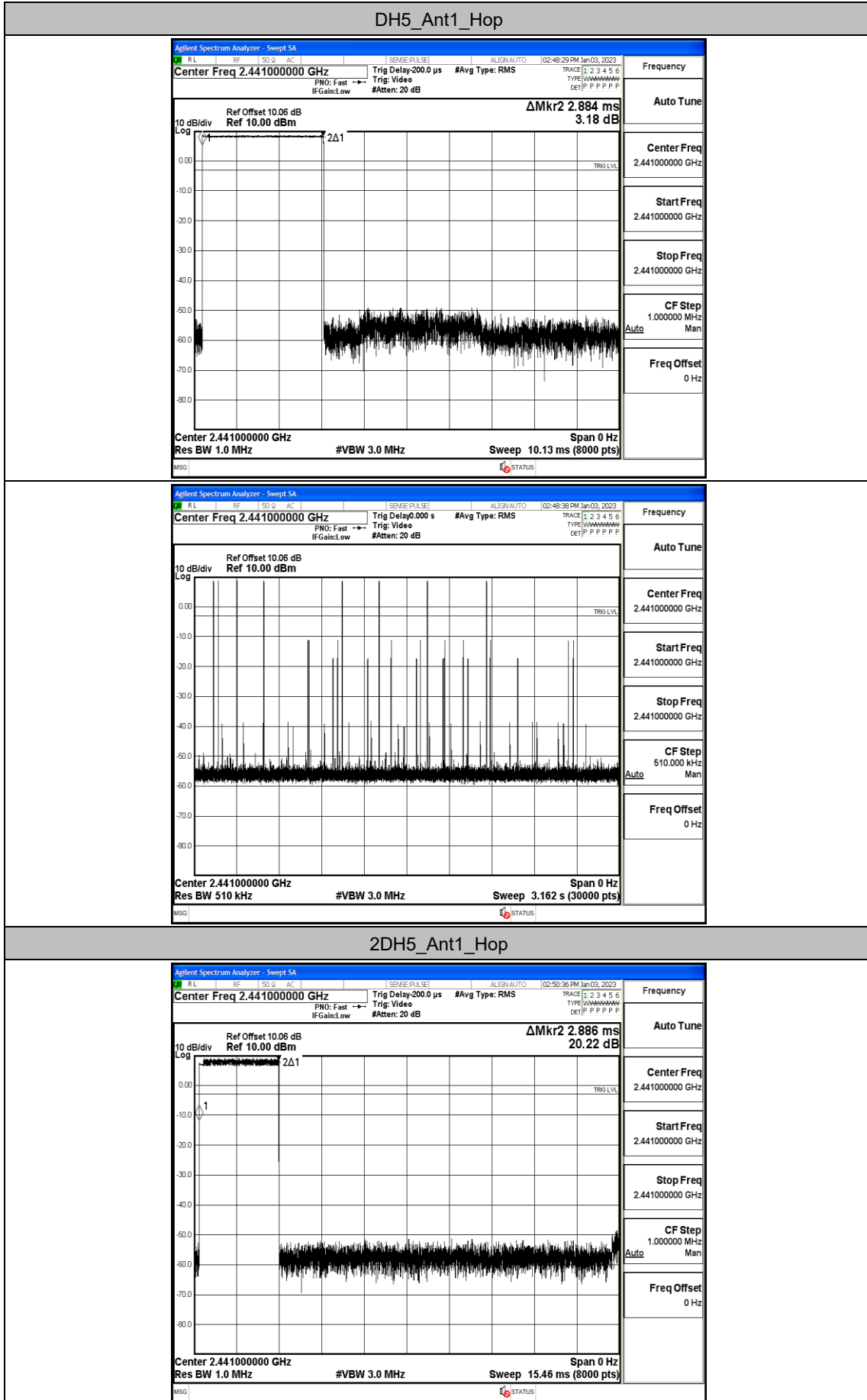


## Appendix E: Time of occupancy

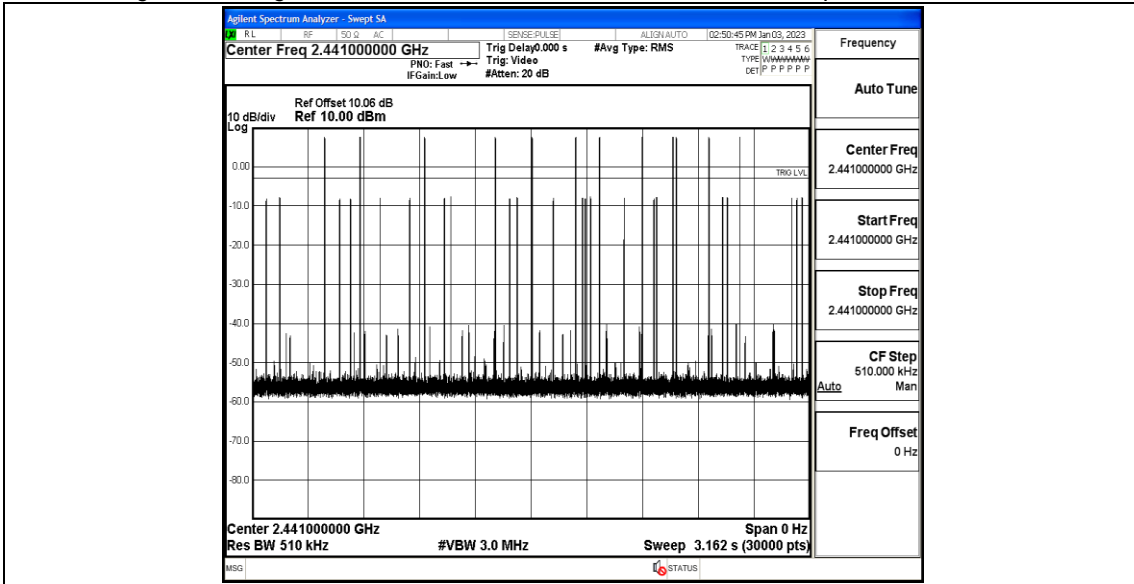
### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.884	90	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.886	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.889	70	0.202	≤0.4	PASS

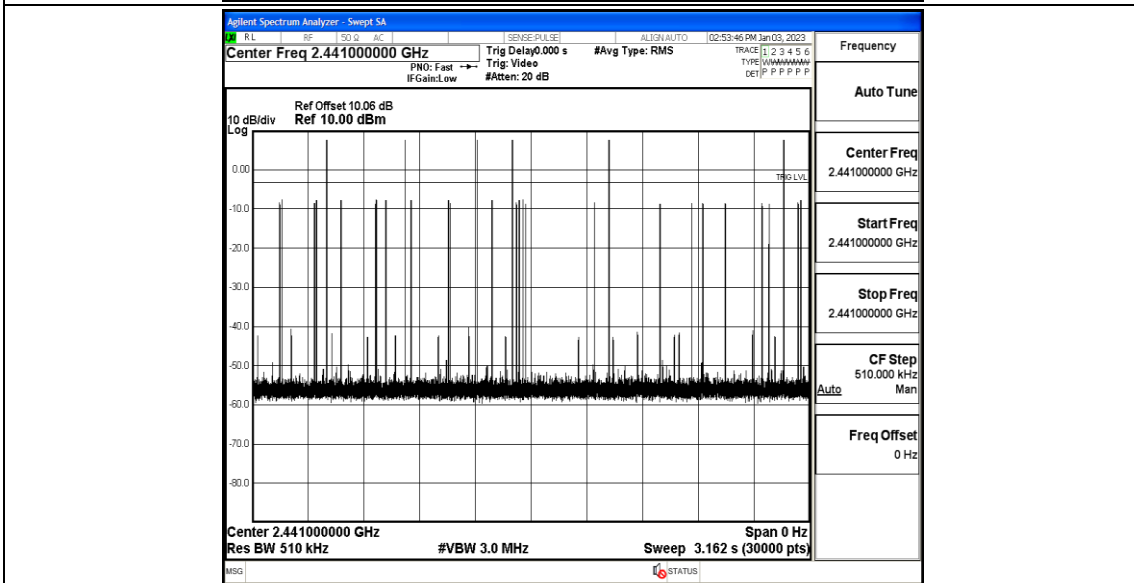
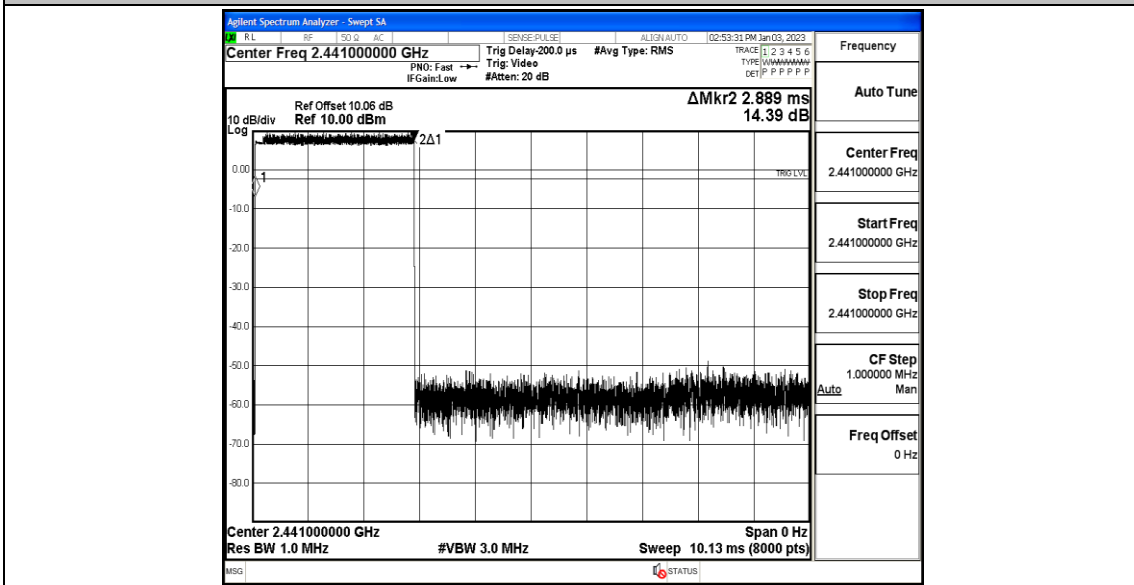
### Test Graphs







3DH5\_Ant1\_Hop

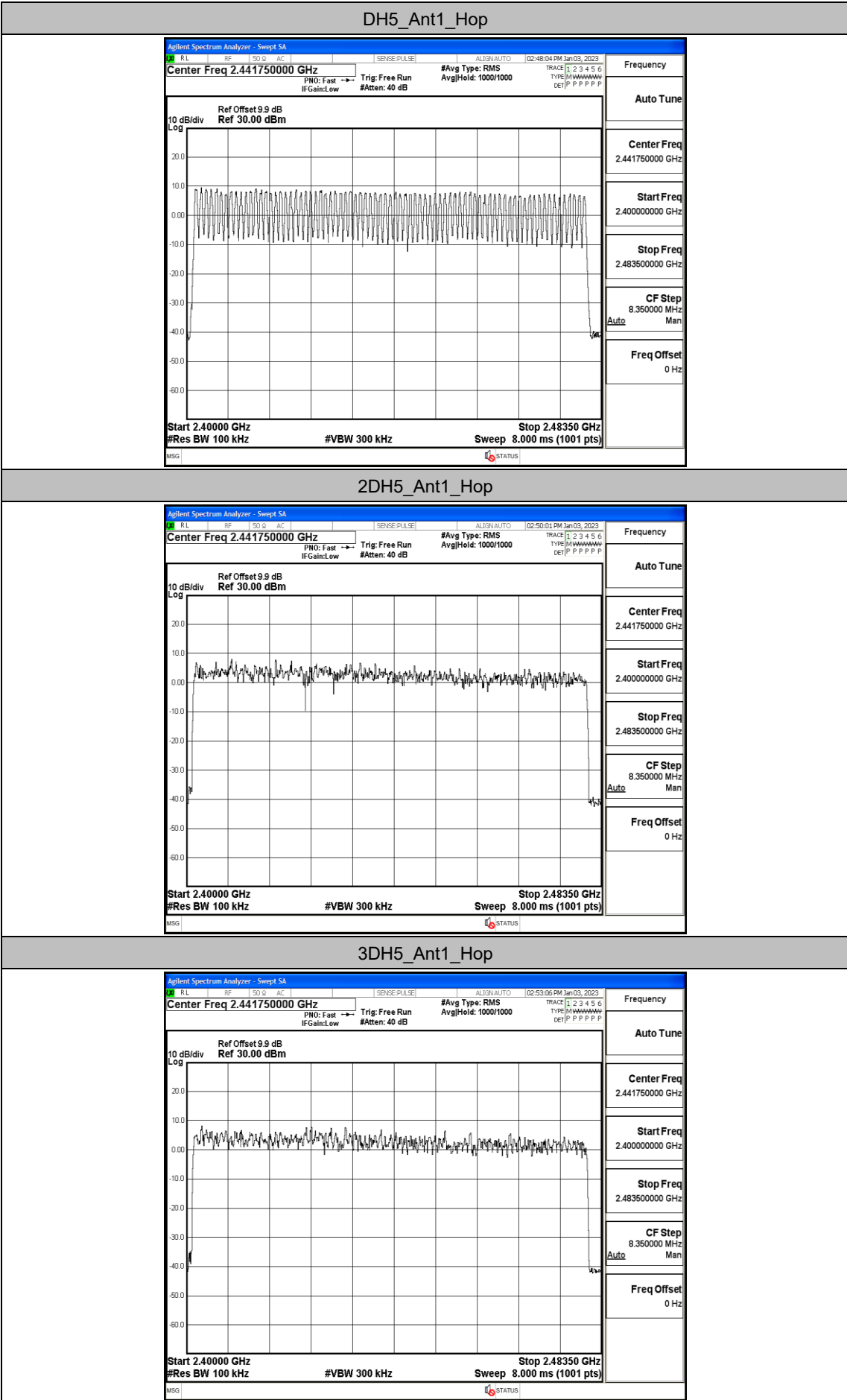


## Appendix F: Number of hopping channels

### 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

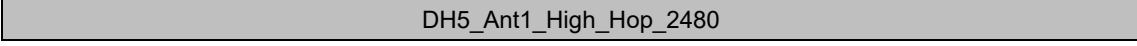
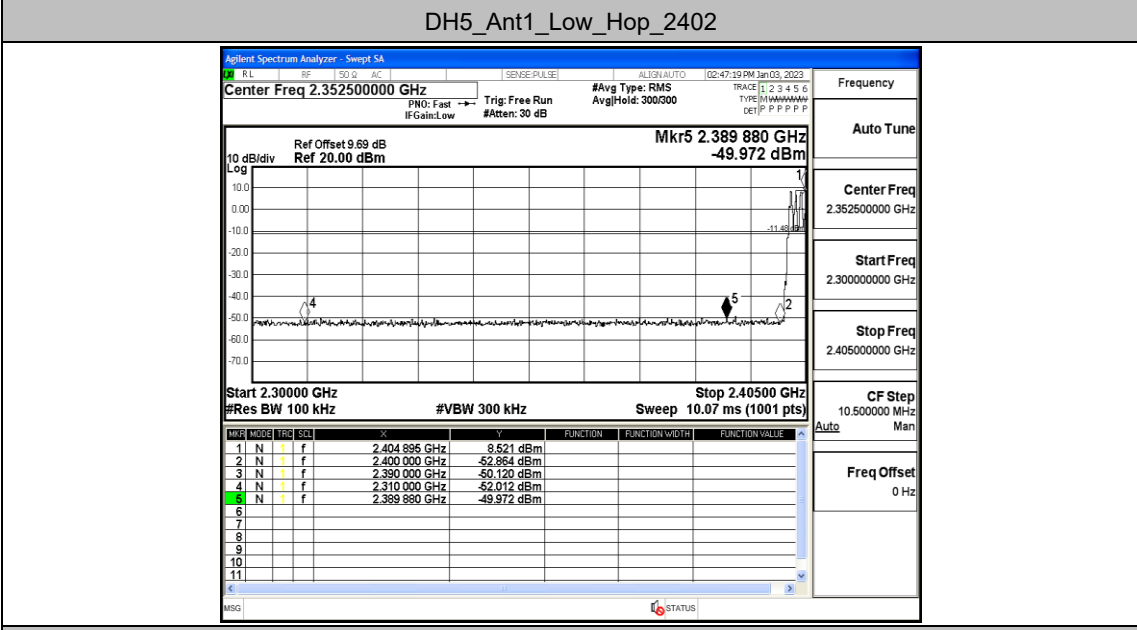
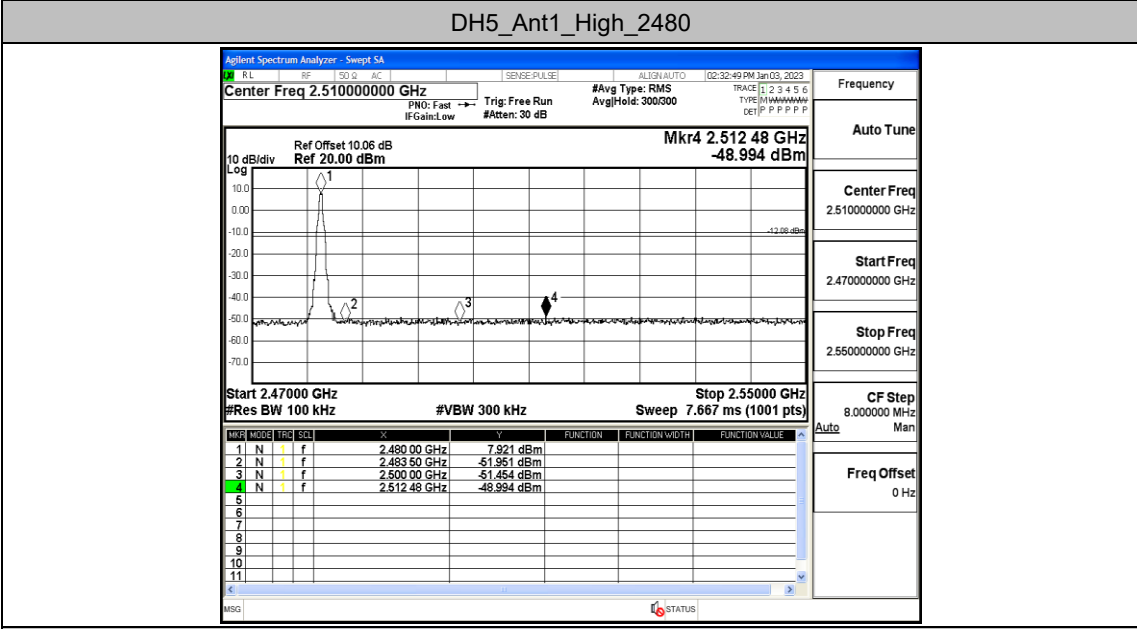
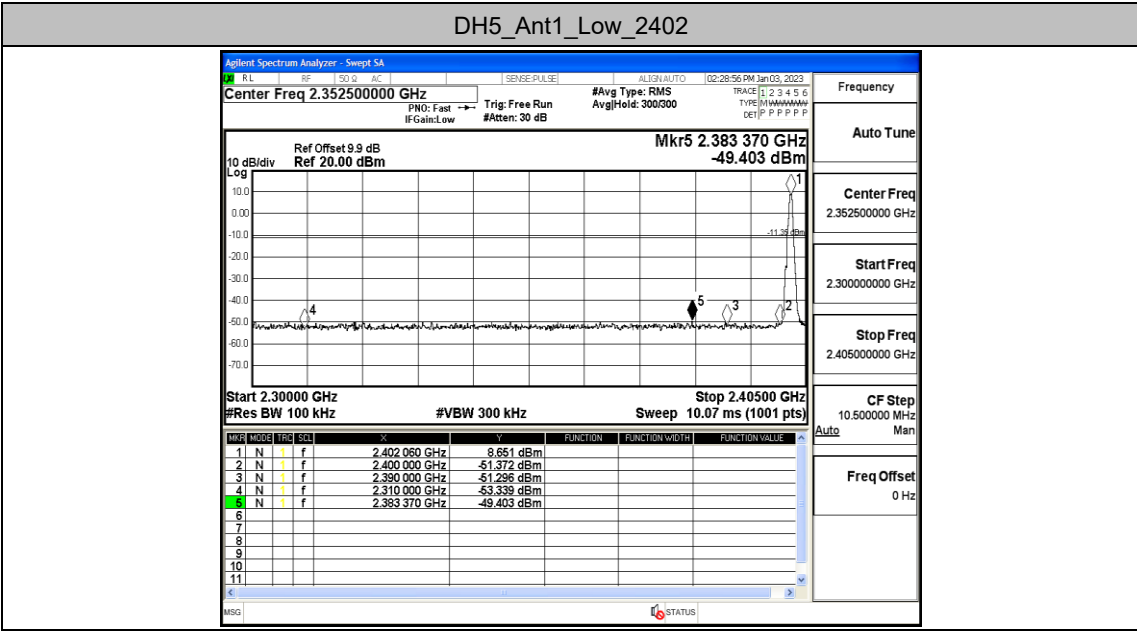


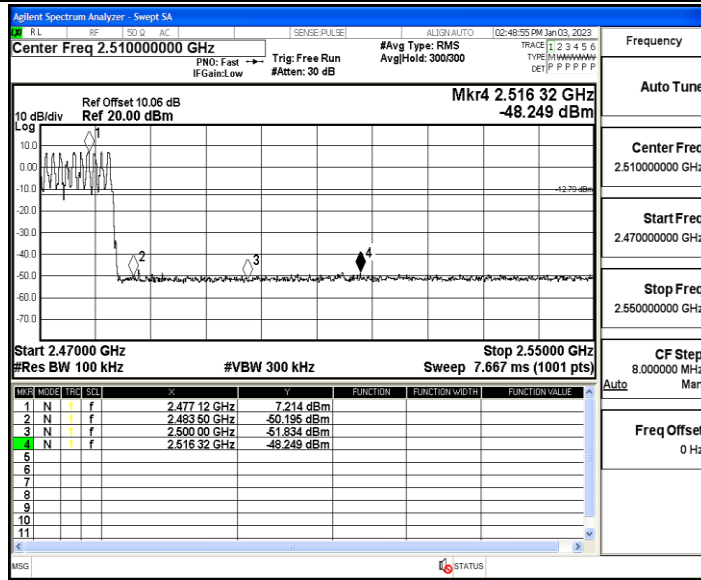
## Appendix G: Band edge measurements

### Test Result

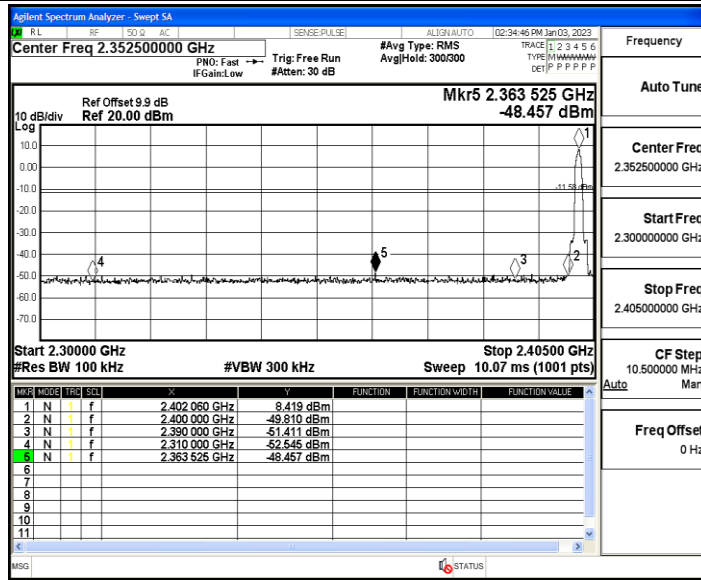
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	8.65	-49.4	≤-11.35	PASS
		High	2480	7.92	-48.99	≤-12.08	PASS
		Low	Hop_2402	8.52	-49.97	≤-11.48	PASS
		High	Hop_2480	7.21	-48.25	≤-12.79	PASS
2DH5	Ant1	Low	2402	8.42	-48.46	≤-11.58	PASS
		High	2480	6.10	-47.91	≤-13.9	PASS
		Low	Hop_2402	5.89	-49.9	≤-14.11	PASS
		High	Hop_2480	5.03	-48.72	≤-14.97	PASS
3DH5	Ant1	Low	2402	8.24	-49.19	≤-11.76	PASS
		High	2480	6.06	-48.8	≤-13.94	PASS
		Low	Hop_2402	6.56	-49.91	≤-13.44	PASS
		High	Hop_2480	5.66	-47.83	≤-14.35	PASS

Test Graphs

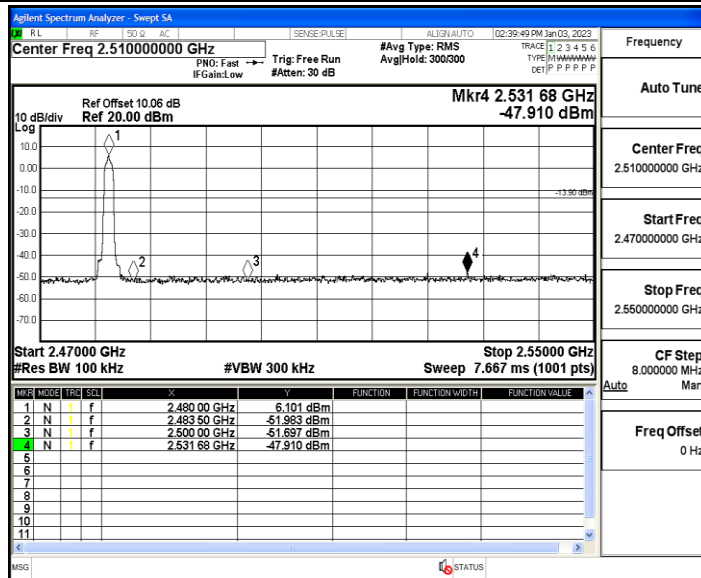




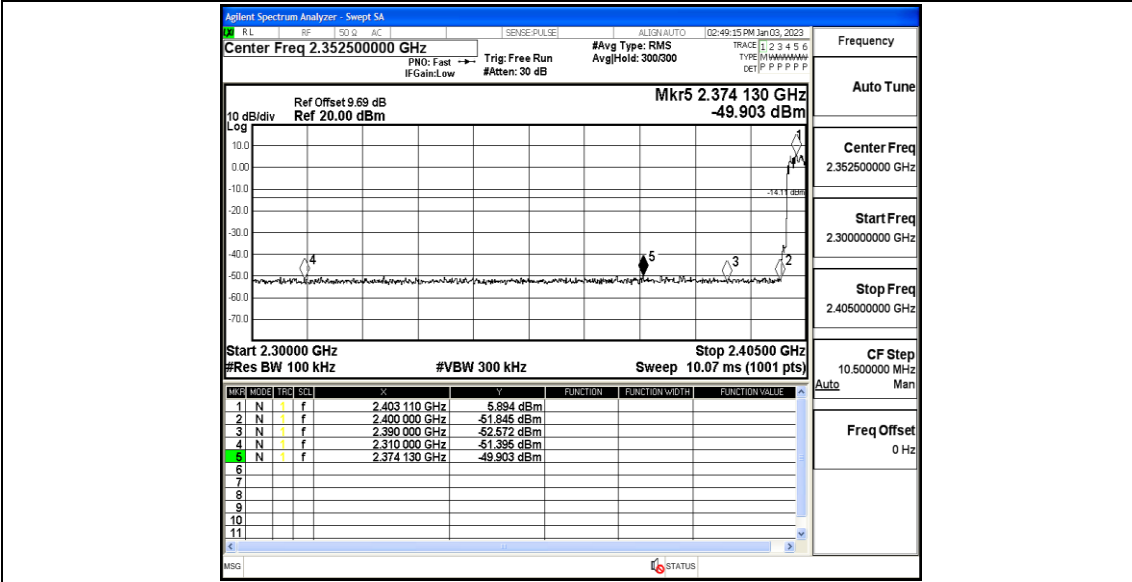
2DH5\_Ant1\_Low\_2402



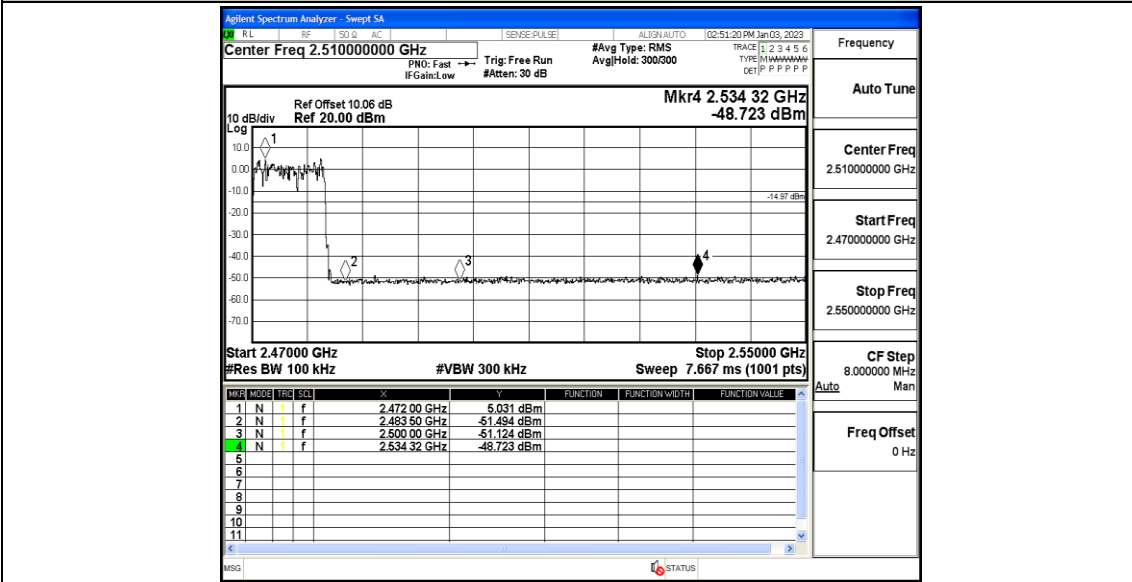
2DH5\_Ant1\_High\_2480



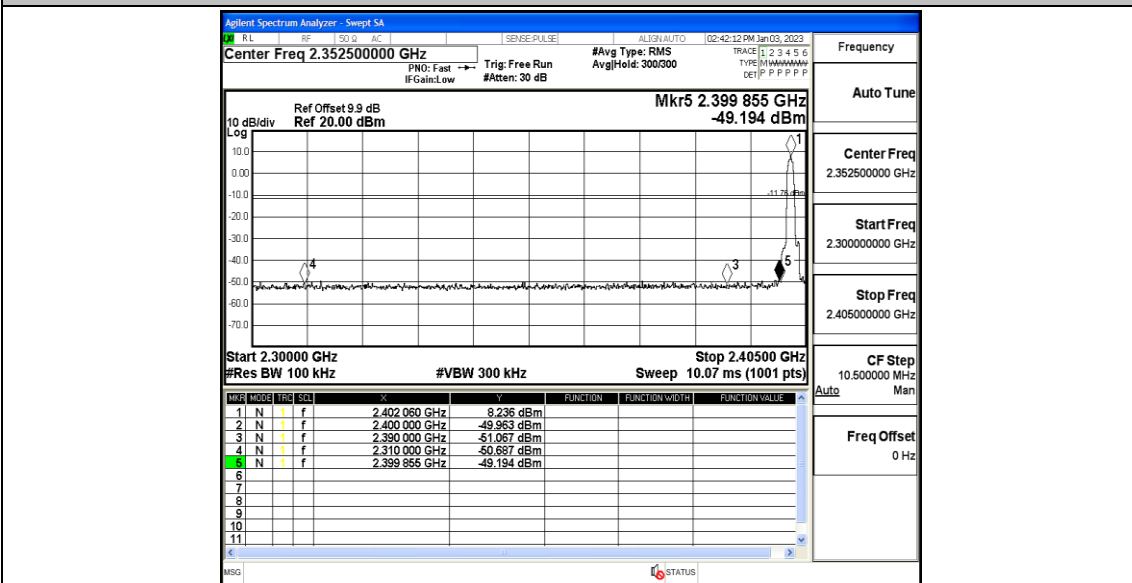
2DH5\_Ant1\_Low\_Hop\_2402



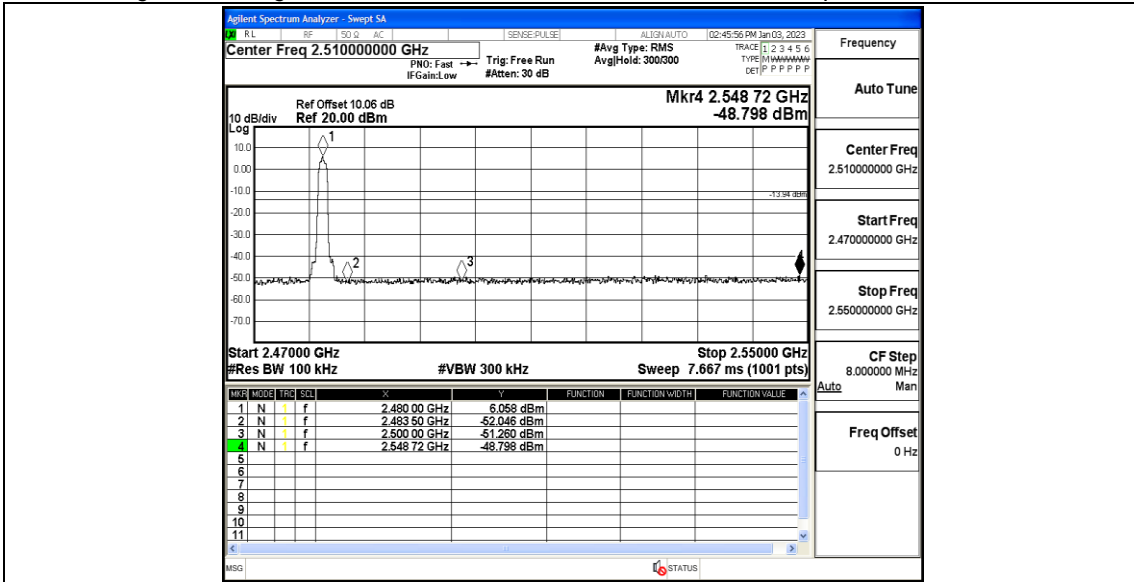
2DH5\_Ant1\_High\_Hop\_2480



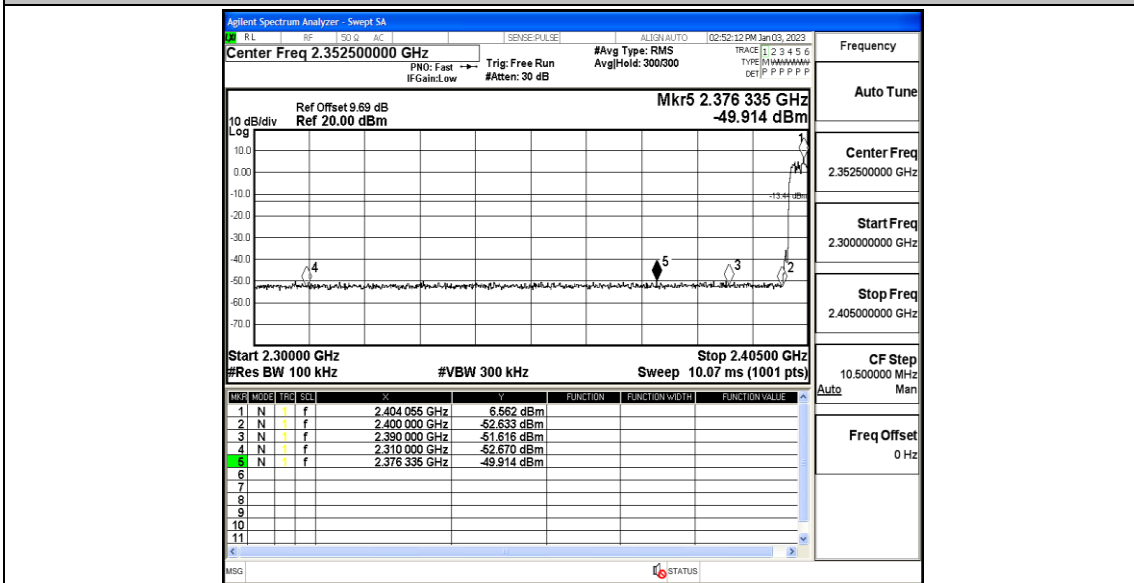
3DH5\_Ant1\_Low\_2402



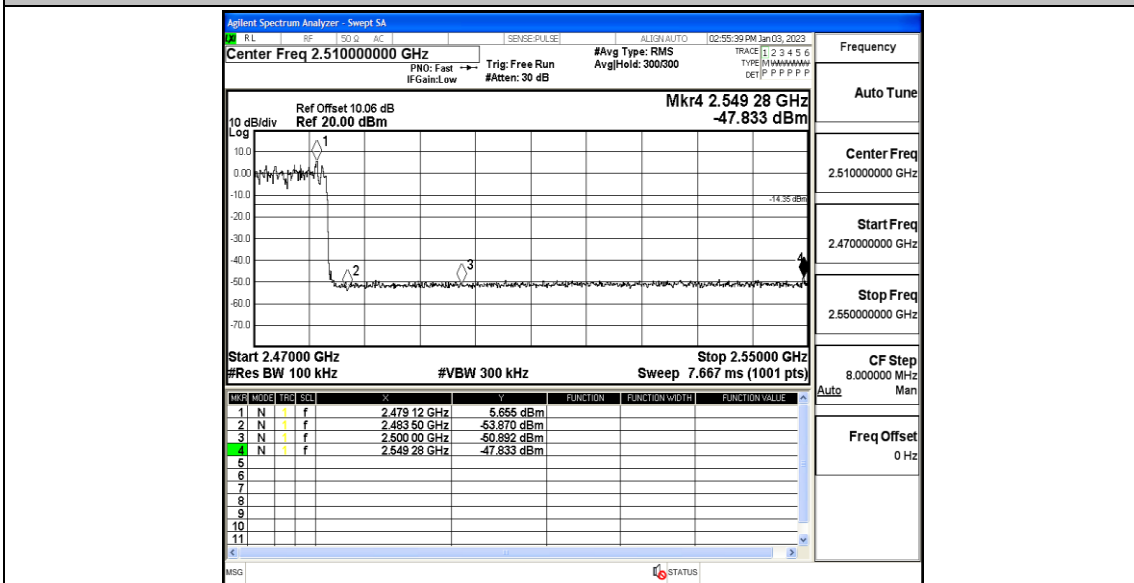
3DH5\_Ant1\_High\_2480



3DH5\_Ant1\_Low\_Hop\_2402



3DH5\_Ant1\_High\_Hop\_2480



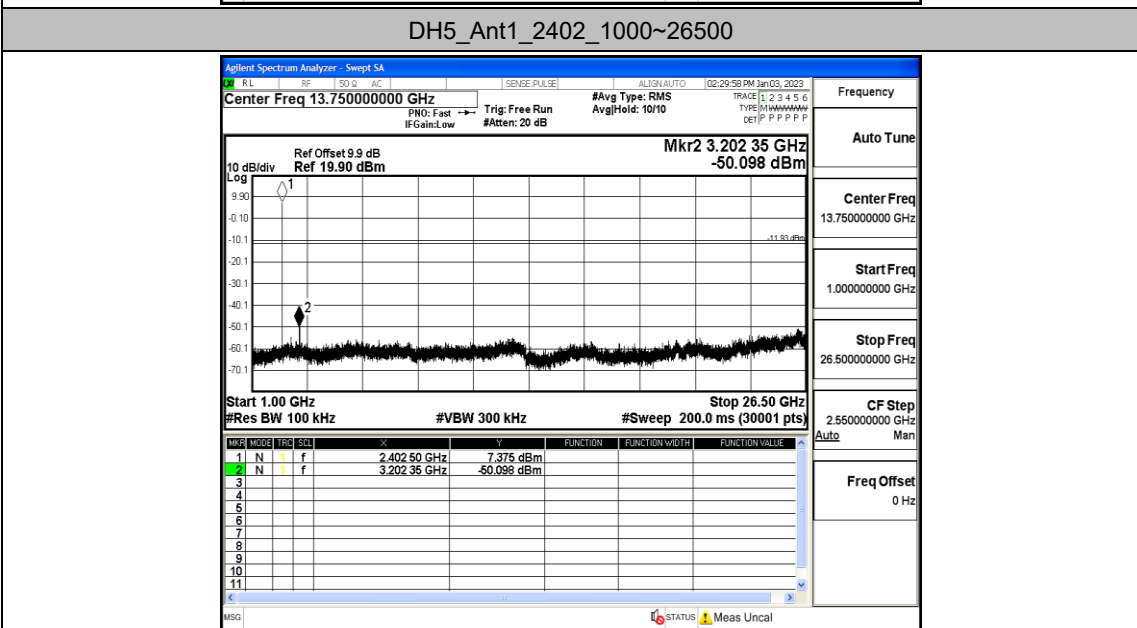
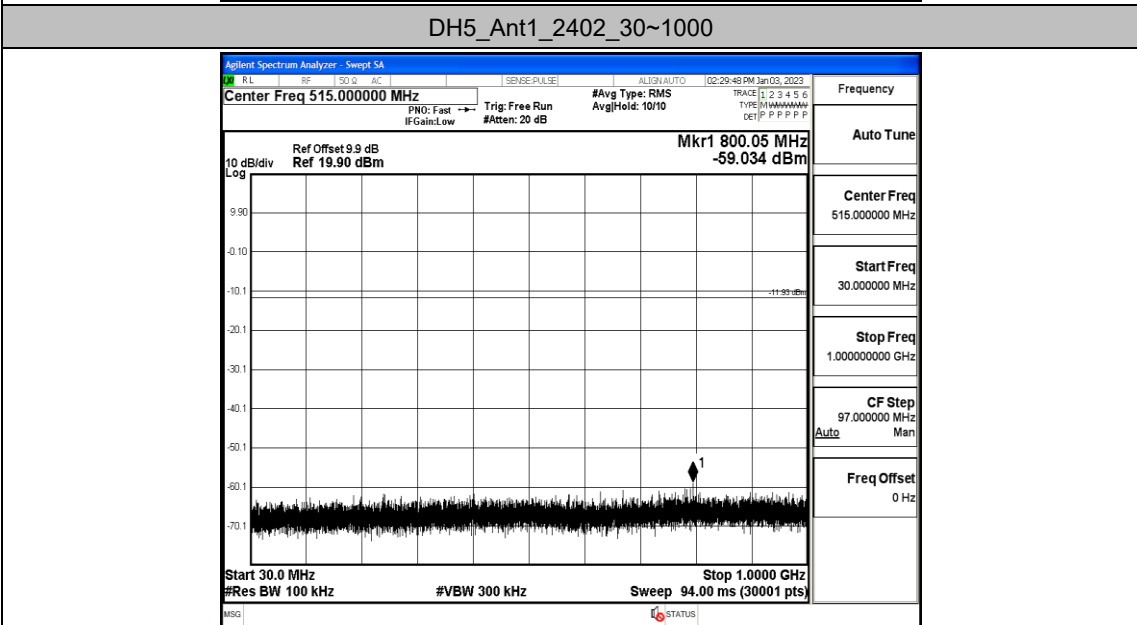
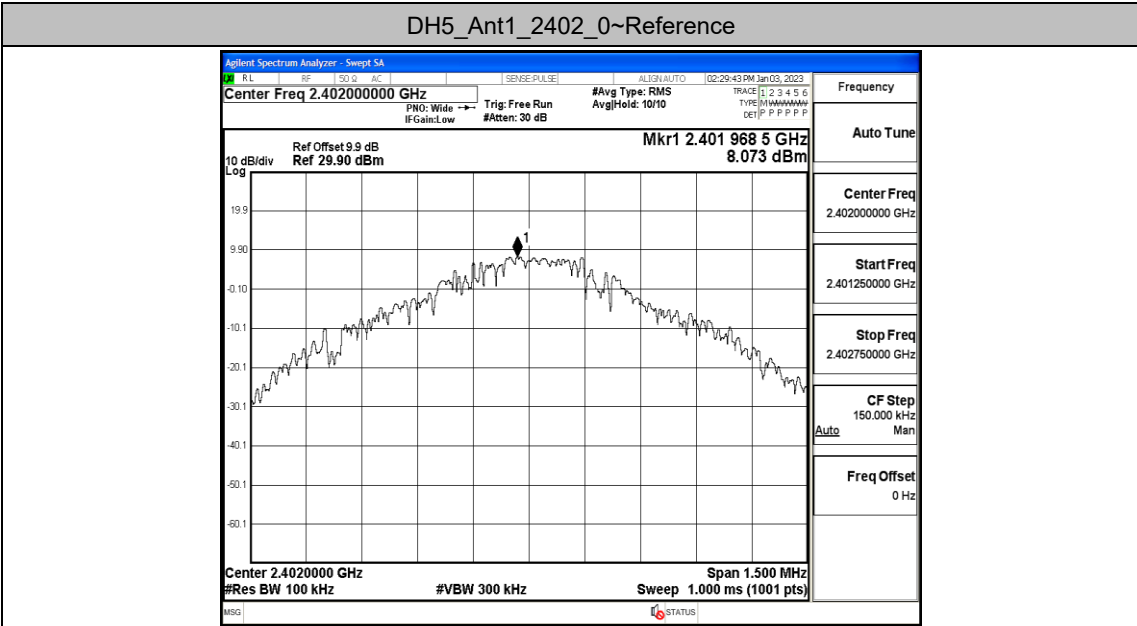


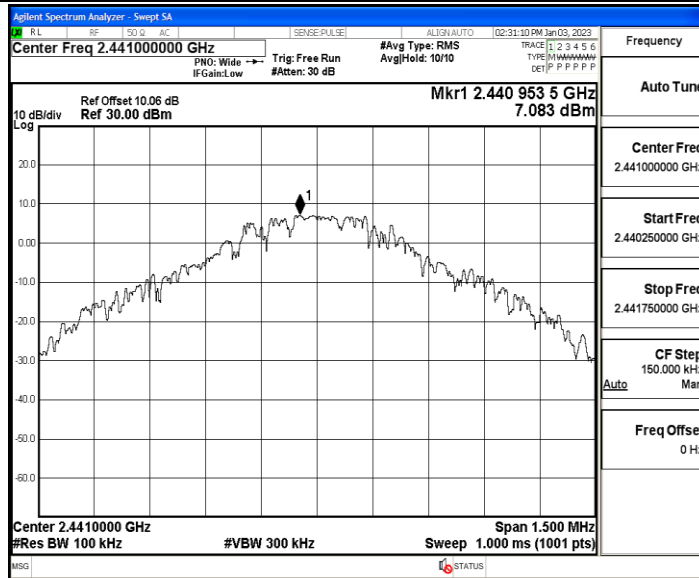
## Appendix H: Conducted Spurious Emission

### Test Result

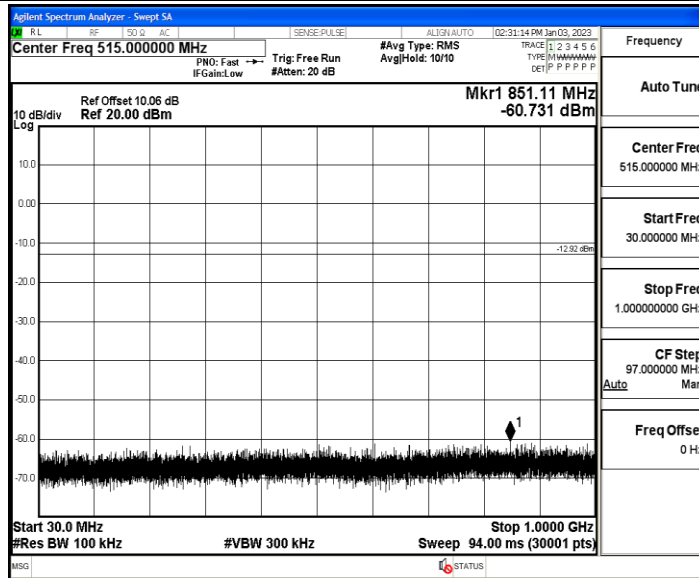
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	8.07	8.07	---	PASS
			30~1000	8.07	-59.03	≤-11.93	PASS
			1000~26500	8.07	-50.1	≤-11.93	PASS
		2441	Reference	7.08	7.08	---	PASS
			30~1000	7.08	-60.73	≤-12.92	PASS
			1000~26500	7.08	-50.57	≤-12.92	PASS
		2480	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-60.31	≤-13.18	PASS
			1000~26500	6.82	-50.2	≤-13.18	PASS
2DH5	Ant1	2402	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-60.89	≤-13.22	PASS
			1000~26500	6.78	-48.57	≤-13.22	PASS
		2441	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-60.59	≤-14.69	PASS
			1000~26500	5.31	-49.99	≤-14.69	PASS
		2480	Reference	5.02	5.02	---	PASS
			30~1000	5.02	-60.54	≤-14.98	PASS
			1000~26500	5.02	-50.51	≤-14.98	PASS
3DH5	Ant1	2402	Reference	5.94	5.94	---	PASS
			30~1000	5.94	-60.84	≤-14.06	PASS
			1000~26500	5.94	-48.28	≤-14.06	PASS
		2441	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-60.52	≤-13.95	PASS
			1000~26500	6.05	-48.25	≤-13.95	PASS
		2480	Reference	3.83	3.83	---	PASS
			30~1000	3.83	-60.54	≤-16.17	PASS
			1000~26500	3.83	-50.18	≤-16.17	PASS

Test Graphs

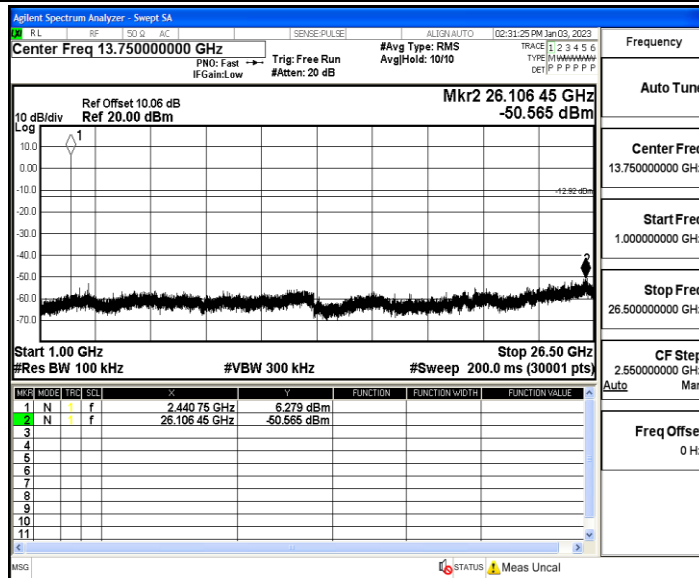




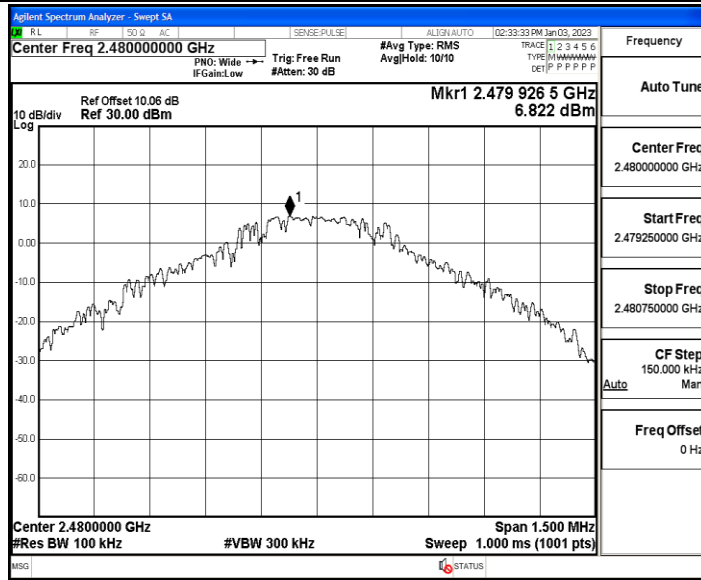
DH5\_Ant1\_2441\_30~1000



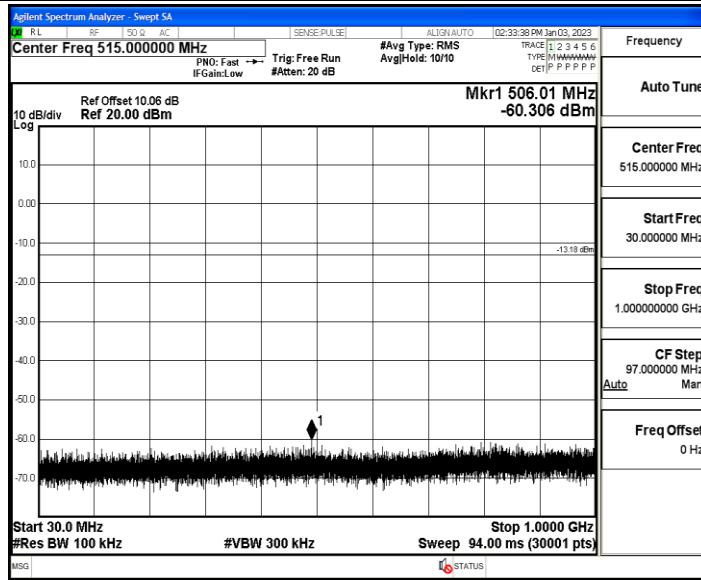
DH5\_Ant1\_2441\_1000~26500



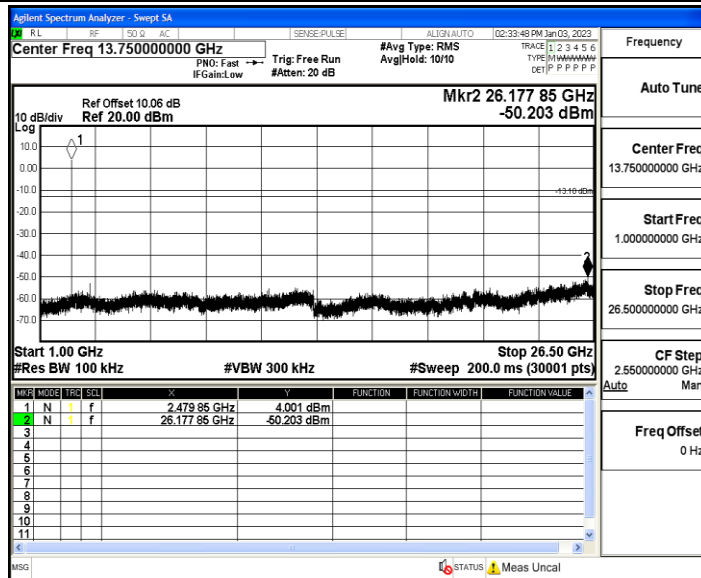
DH5\_Ant1\_2480\_0~Reference



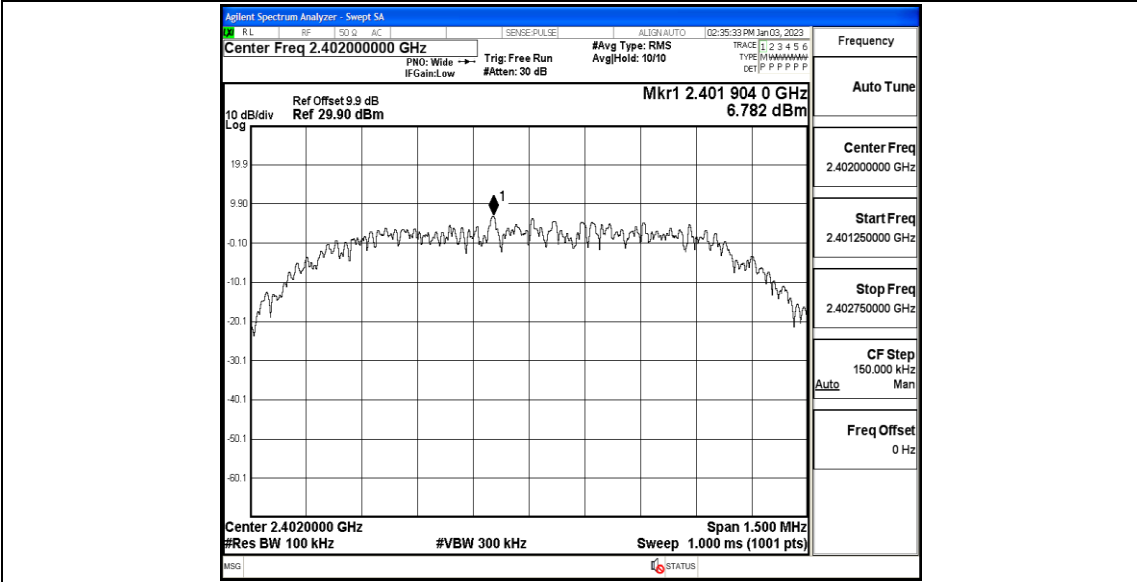
DH5\_Ant1\_2480\_30~1000



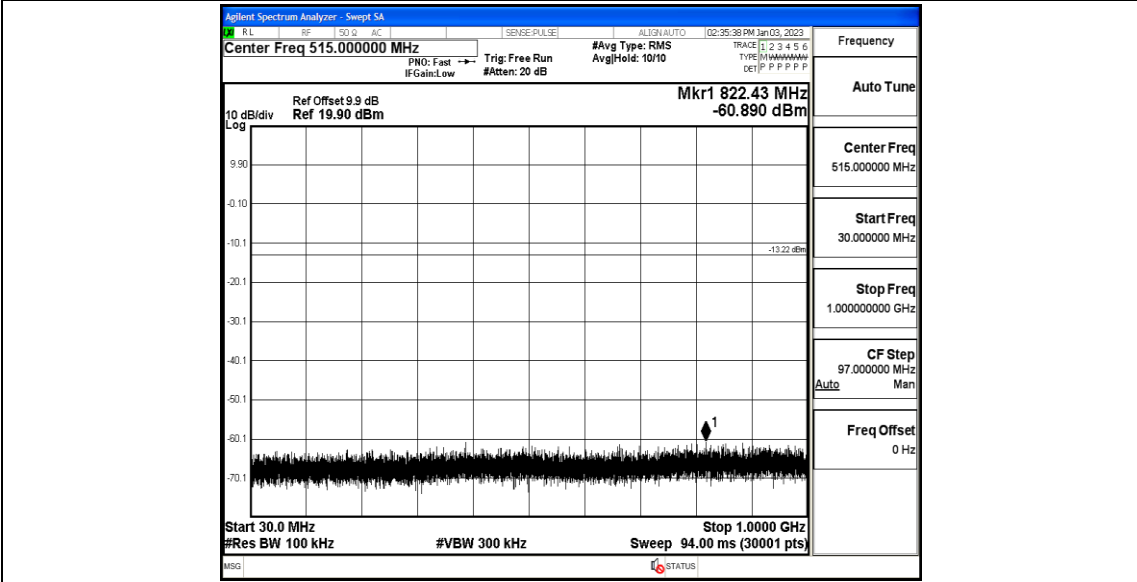
DH5\_Ant1\_2480\_1000~26500



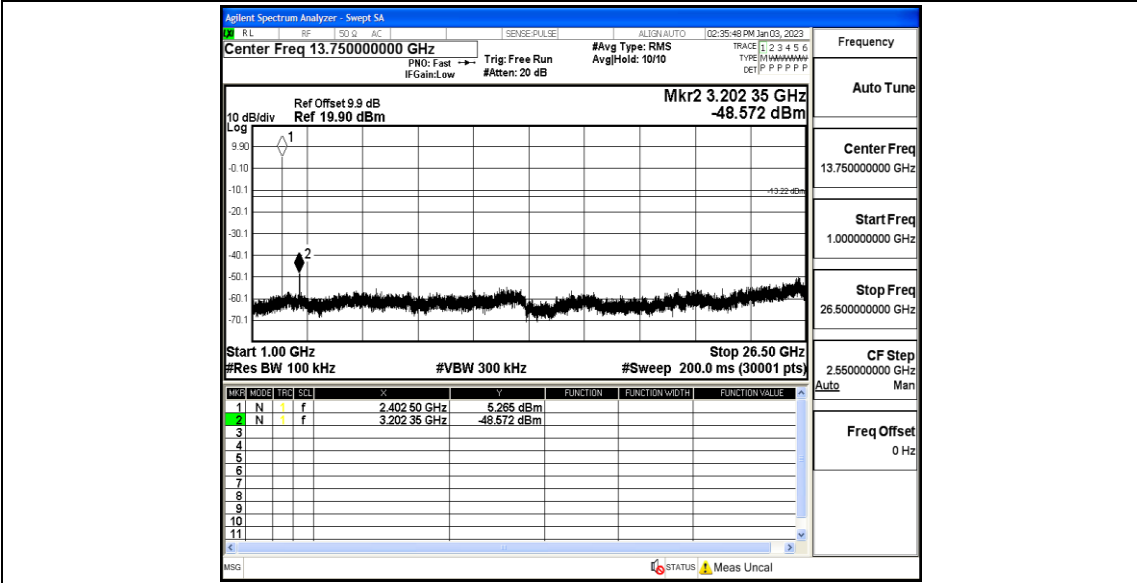
2DH5\_Ant1\_2402\_0~Reference



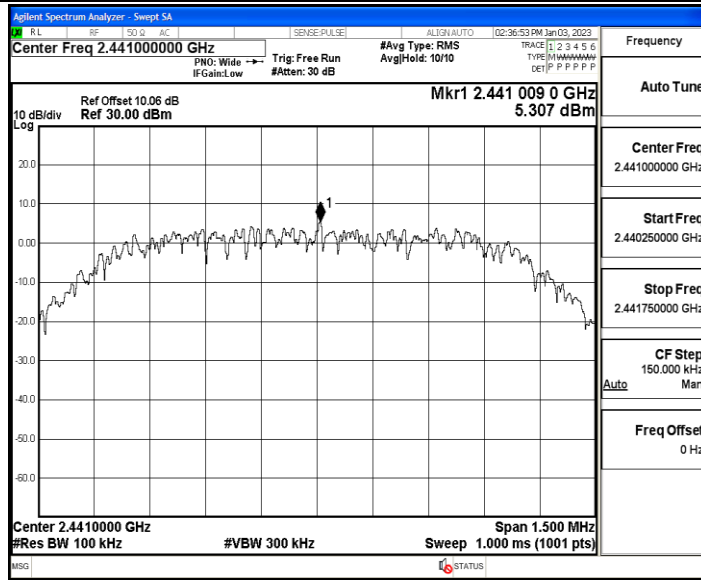
2DH5\_Ant1\_2402\_30~1000



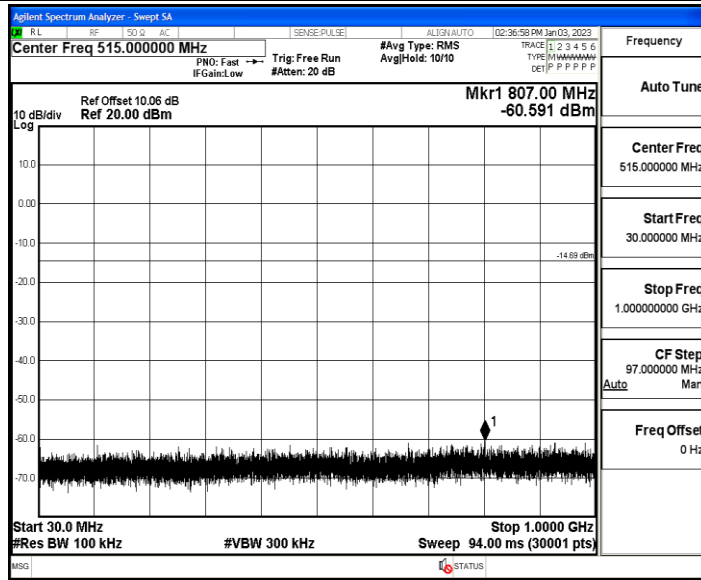
2DH5\_Ant1\_2402\_1000~26500



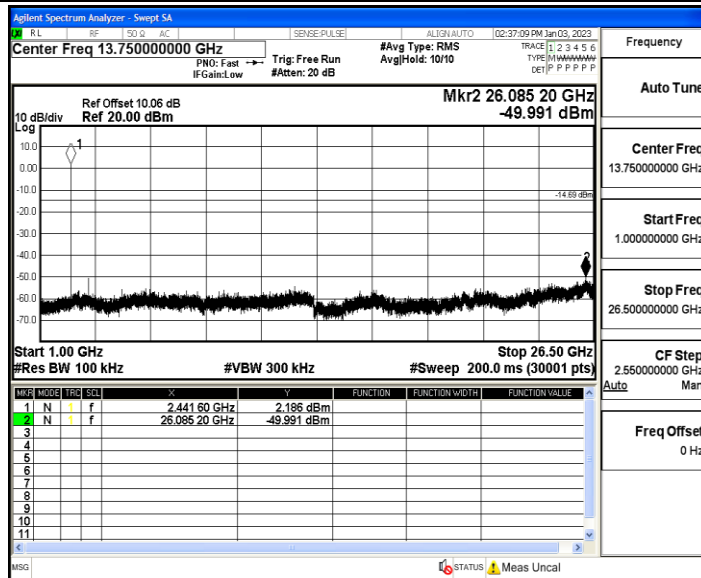
2DH5\_Ant1\_2441\_0~Reference



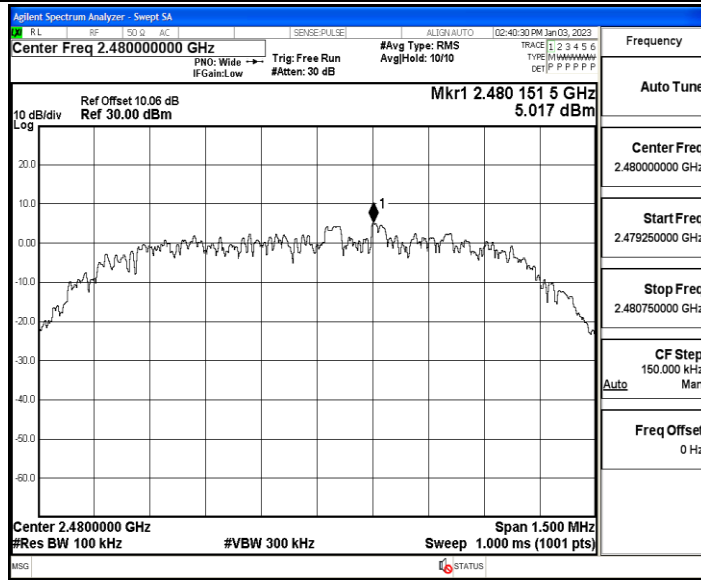
2DH5\_Ant1\_2441\_30~1000



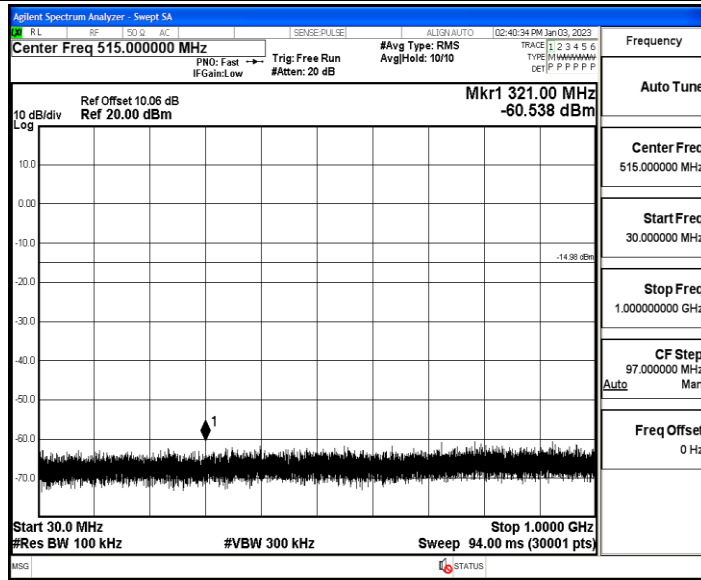
2DH5\_Ant1\_2441\_1000~26500



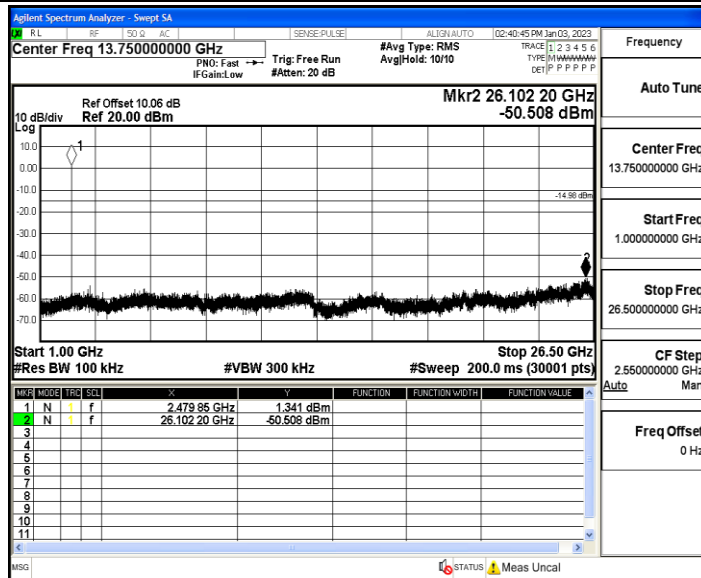
2DH5\_Ant1\_2480\_0~Reference



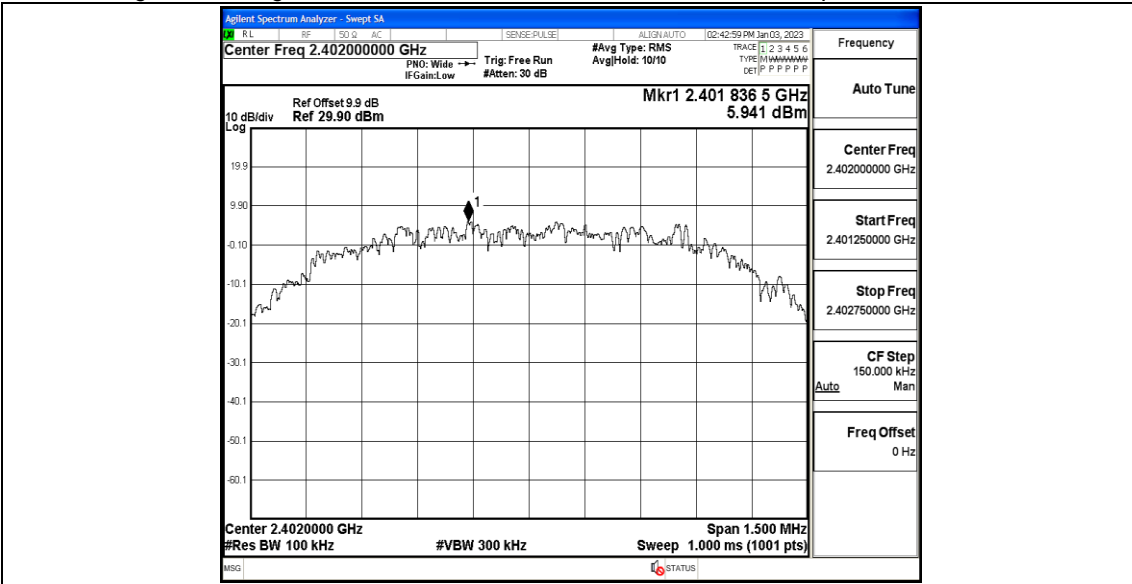
2DH5\_Ant1\_2480\_30~1000



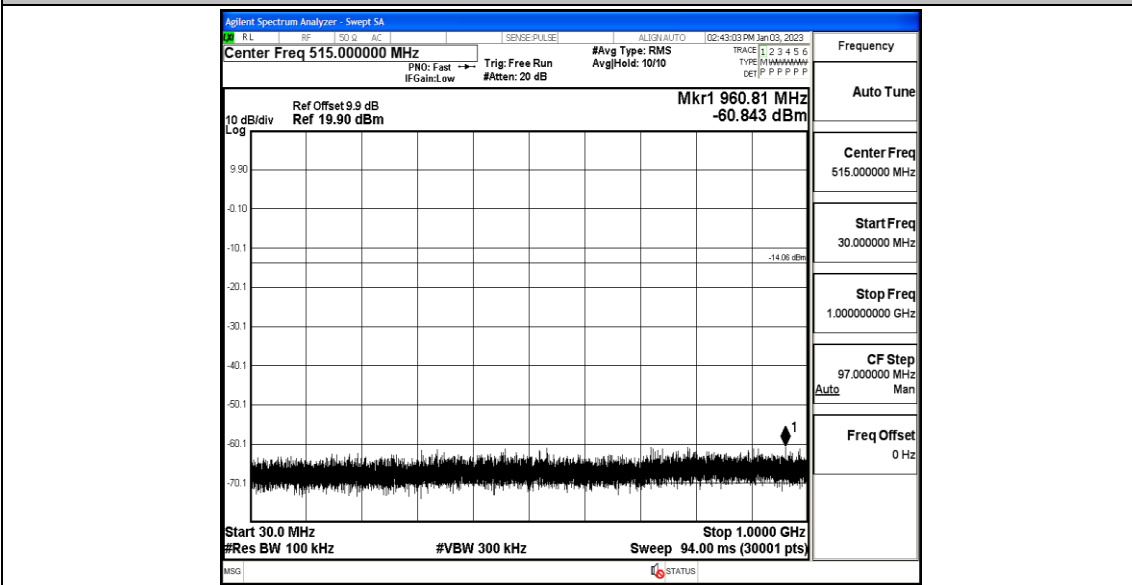
2DH5\_Ant1\_2480\_1000~26500



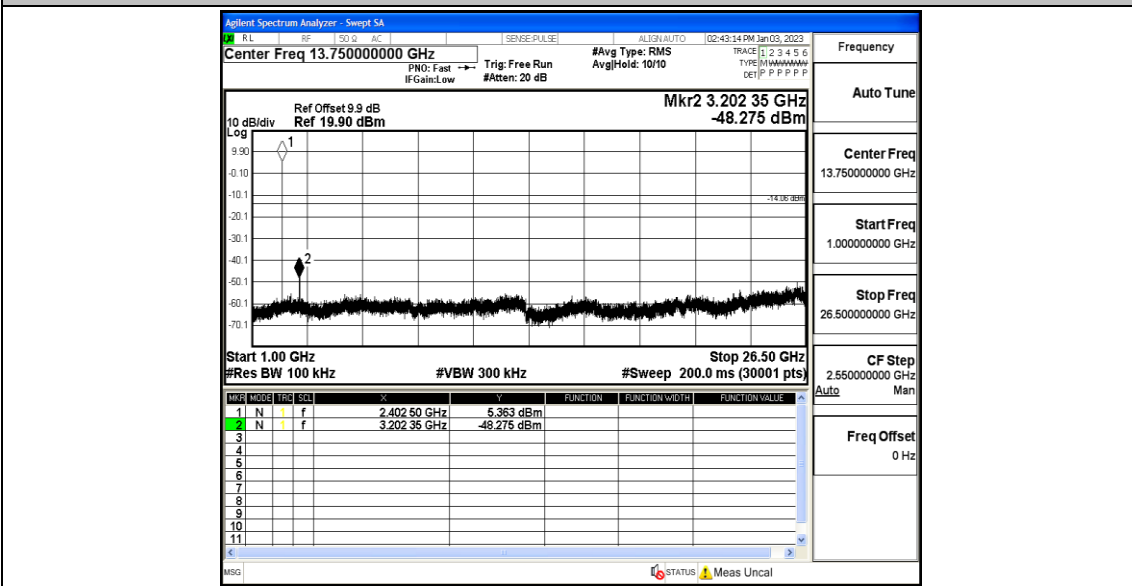
3DH5\_Ant1\_2402\_0~Reference



3DH5\_Ant1\_2402\_30~1000



3DH5\_Ant1\_2402\_1000~26500



3DH5\_Ant1\_2441\_0~Reference