

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart audio glasses

Test Model: UF-SL03

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

A.1 20dB Emission Bandwidth

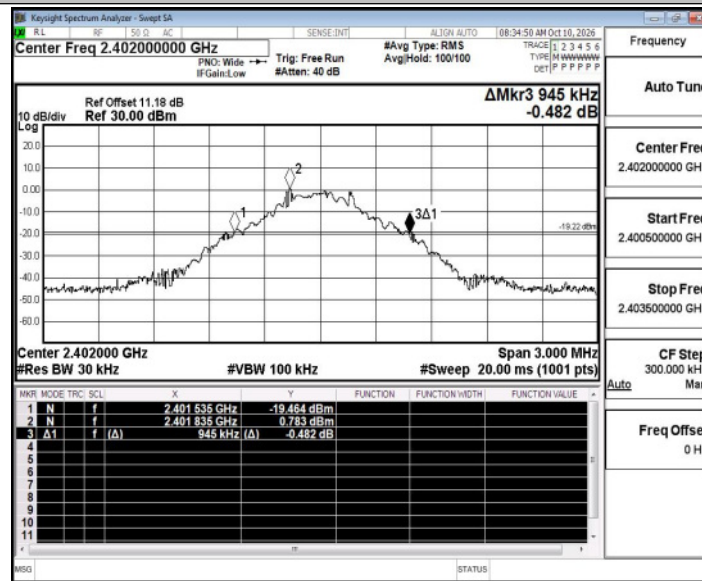
Test Result

Left:

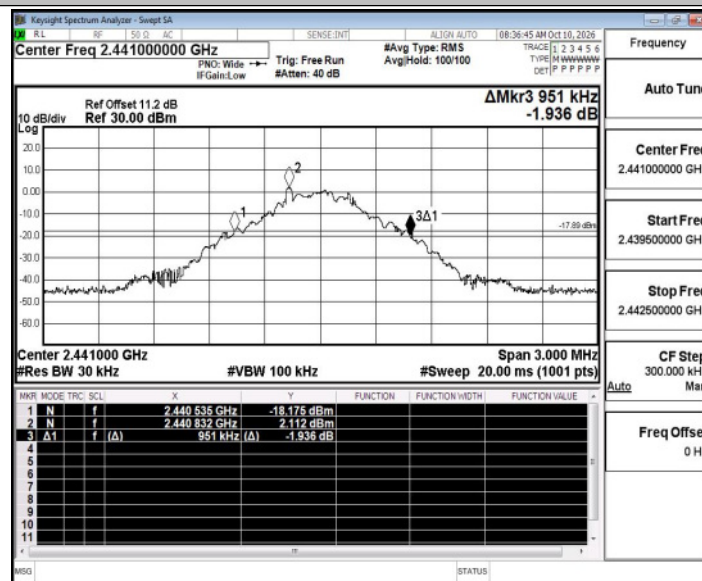
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.535	2402.480	---	---
		2441	0.951	2440.535	2441.486	---	---
		2480	0.963	2479.532	2480.495	---	---
2DH5	Ant1	2402	1.287	2401.361	2402.648	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.296	2479.352	2480.648	---	---
3DH5	Ant1	2402	1.299	2401.346	2402.645	---	---
		2441	1.299	2440.343	2441.642	---	---
		2480	1.302	2479.343	2480.645	---	---

Test Graphs

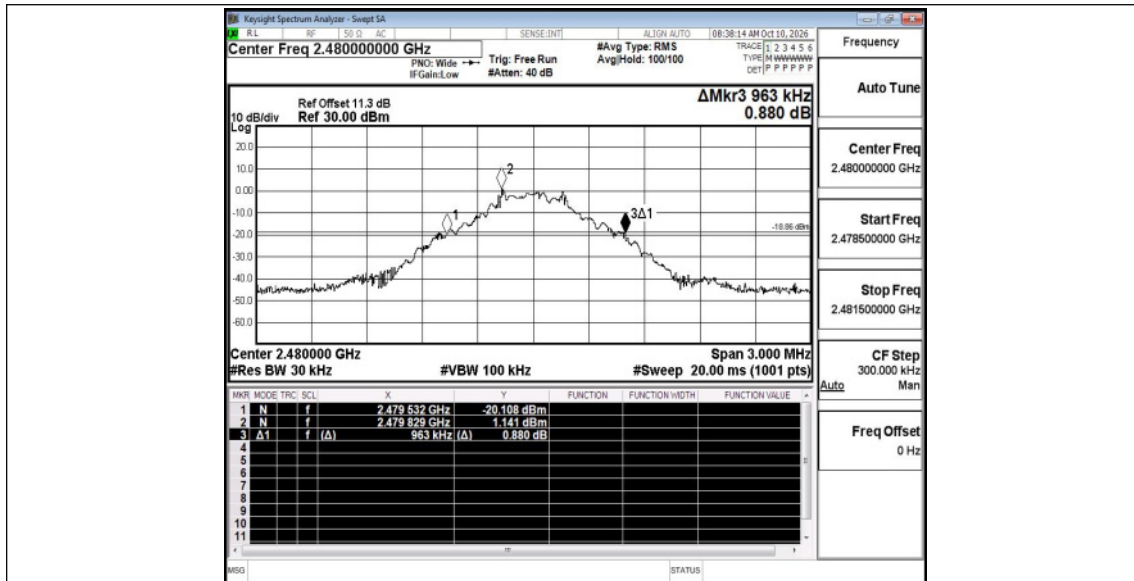
DH5_Ant1_2402



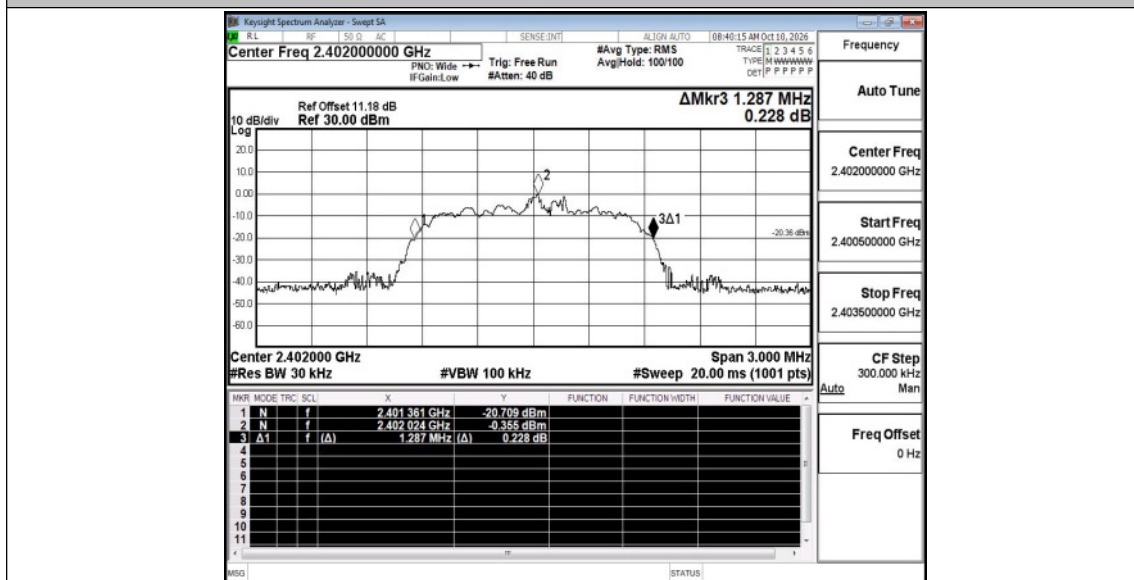
DH5_Ant1_2441



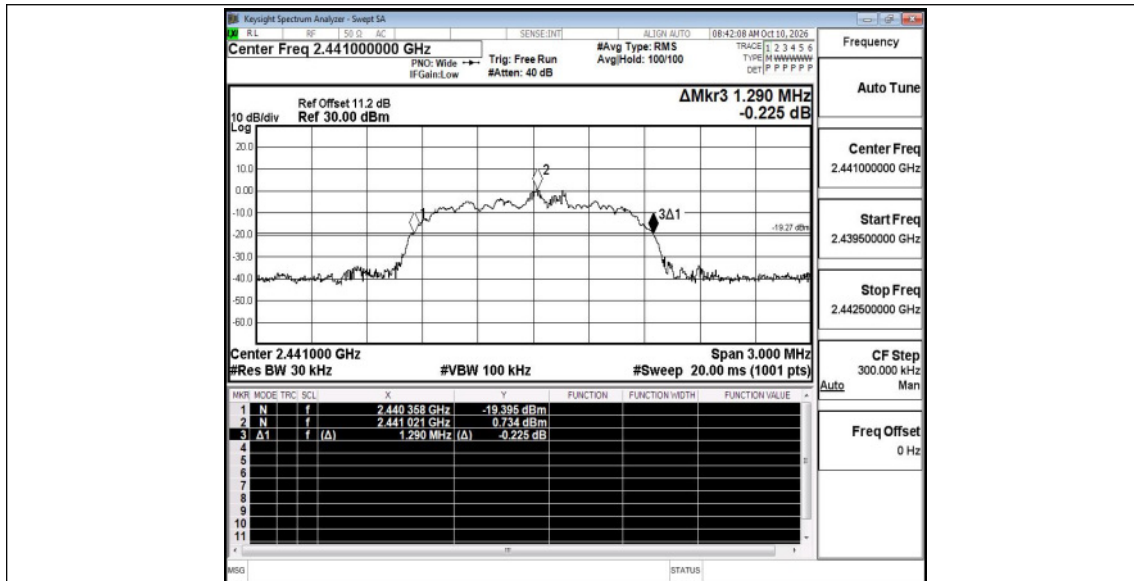
DH5_Ant1_2480



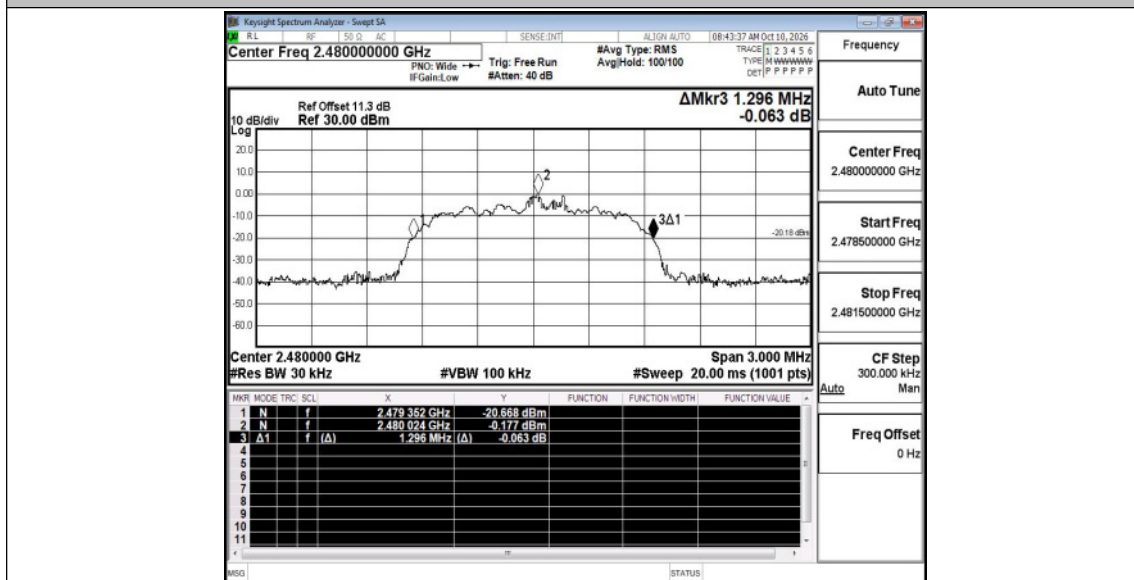
2DH5_Ant1_2402



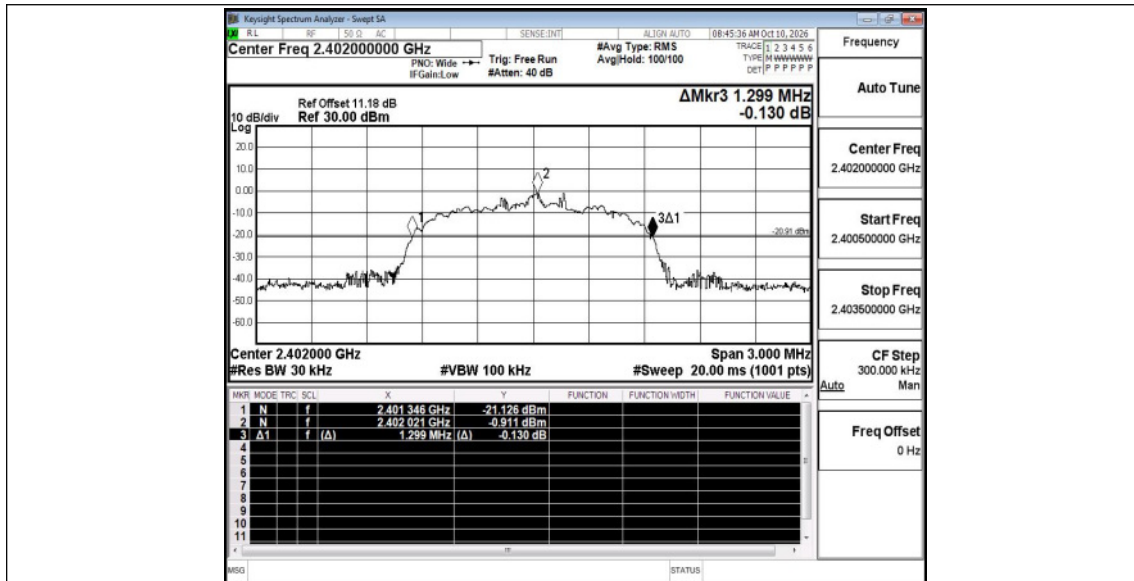
2DH5_Ant1_2441



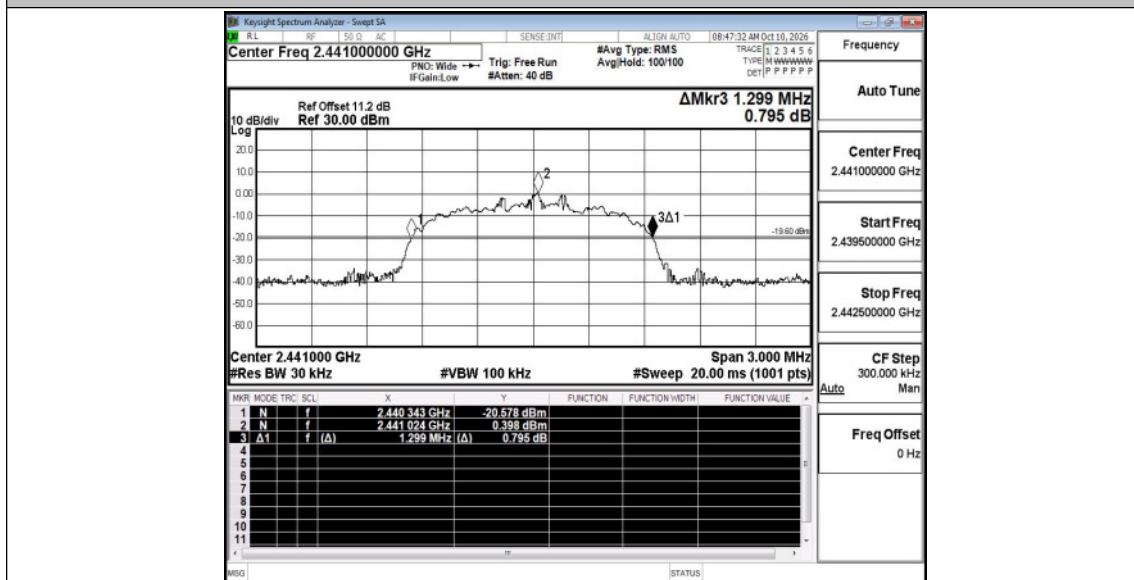
2DH5_Ant1_2480



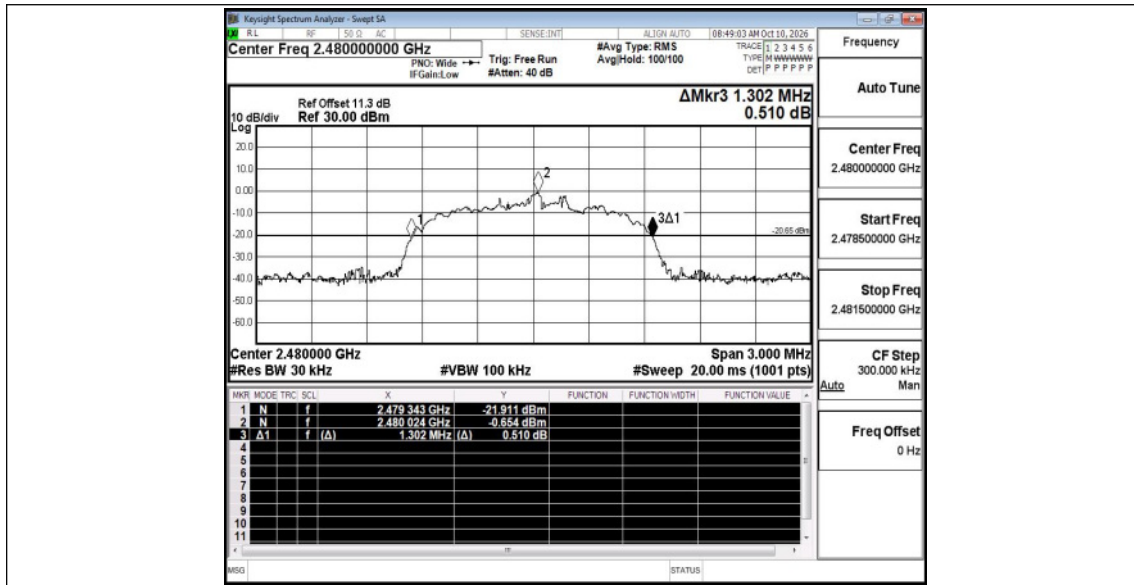
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

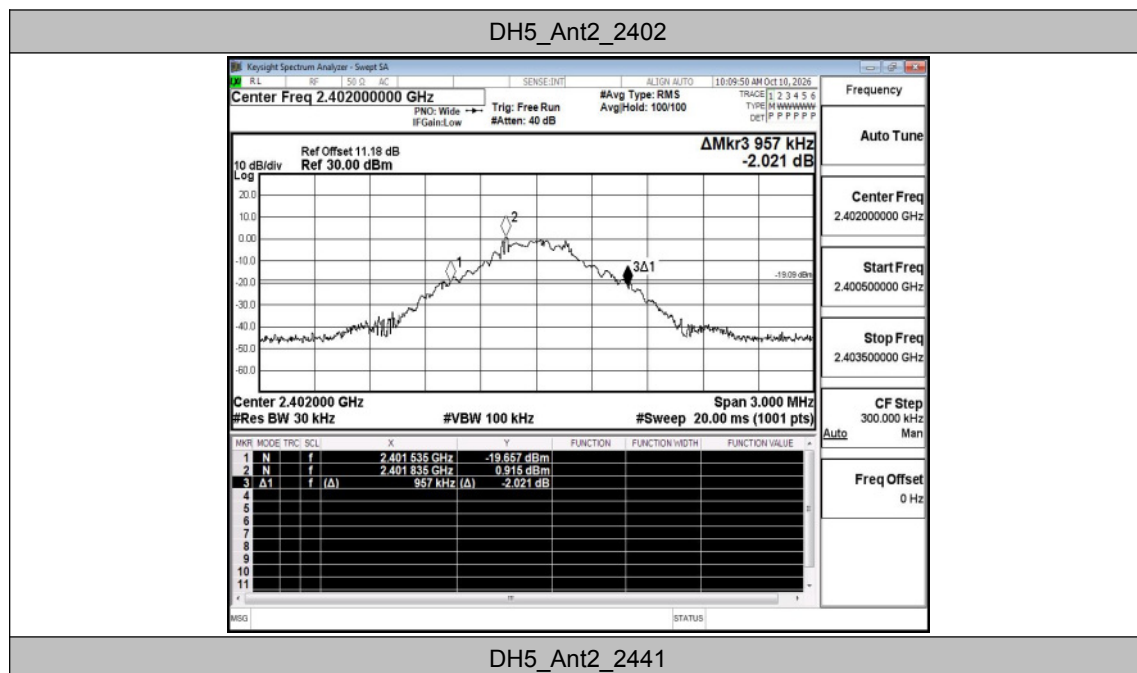


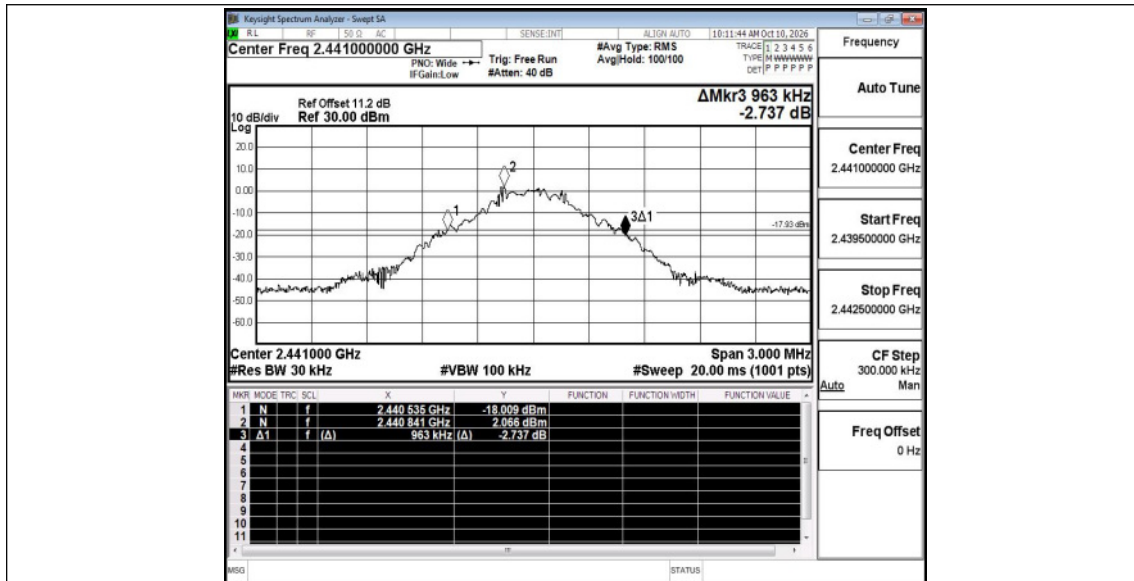
Test Result

Right:

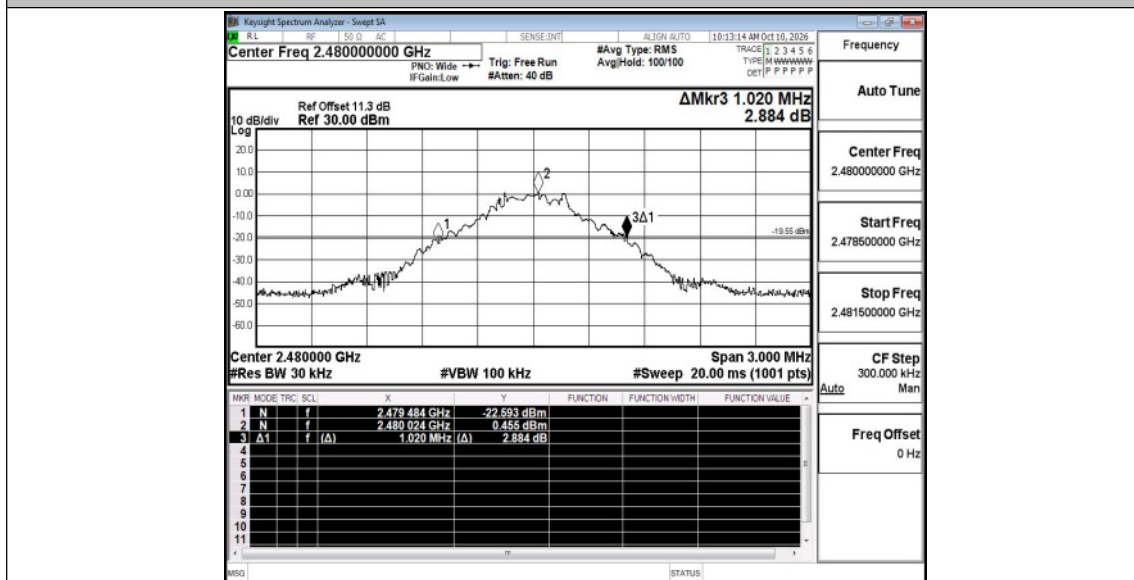
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.957	2401.535	2402.492	---	---
		2441	0.963	2440.535	2441.498	---	---
		2480	1.020	2479.484	2480.504	---	---
2DH5	Ant2	2402	1.290	2401.361	2402.651	---	---
		2441	1.293	2440.355	2441.648	---	---
		2480	1.293	2479.361	2480.654	---	---
3DH5	Ant2	2402	1.293	2401.349	2402.642	---	---
		2441	1.302	2440.346	2441.648	---	---
		2480	1.308	2479.343	2480.651	---	---

Test Graphs

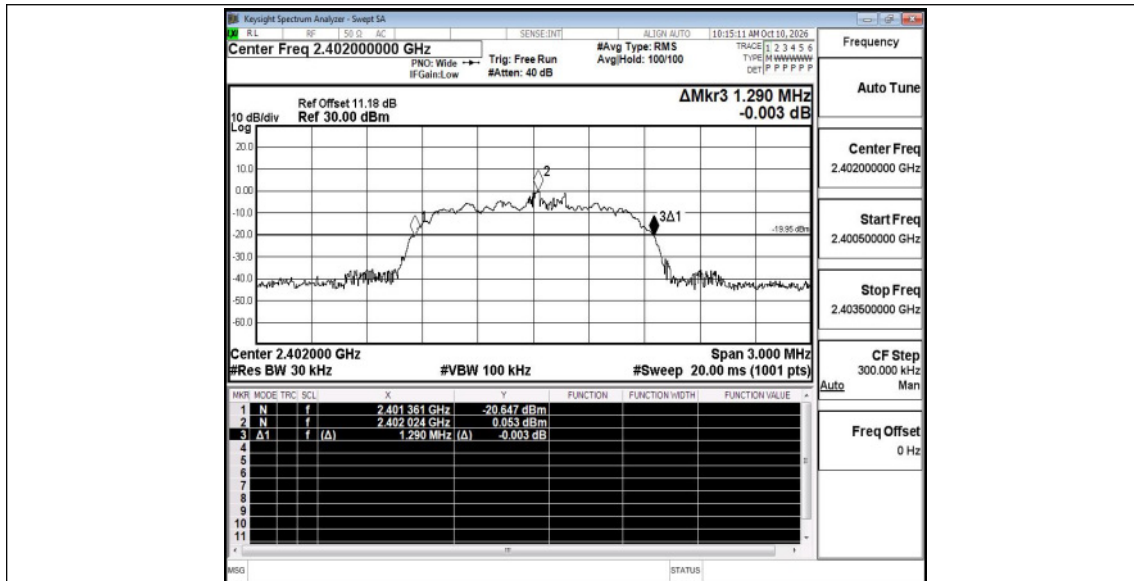




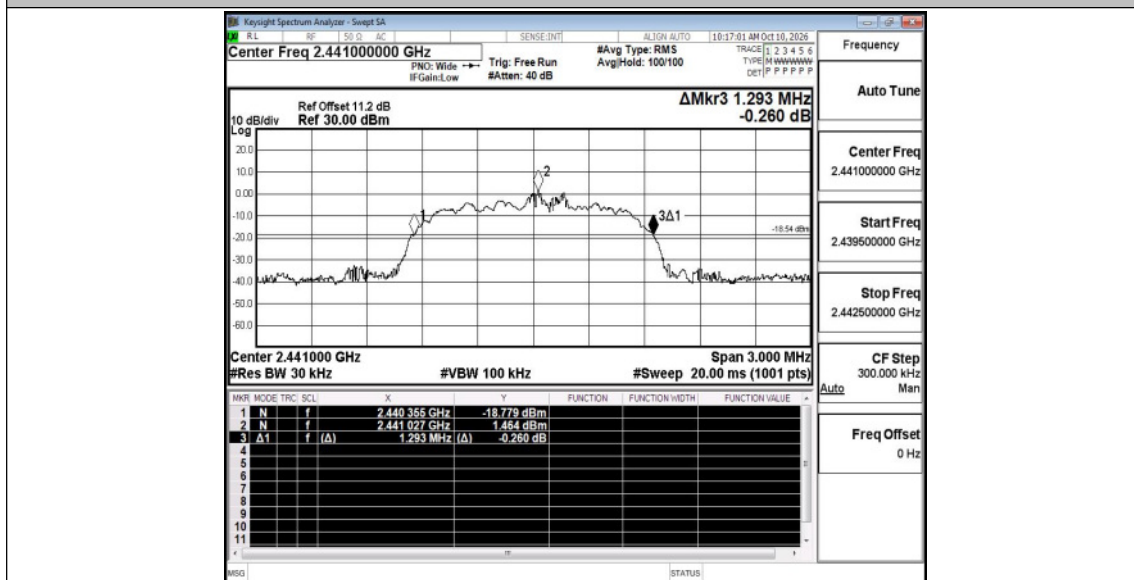
DH5_Ant2_2480



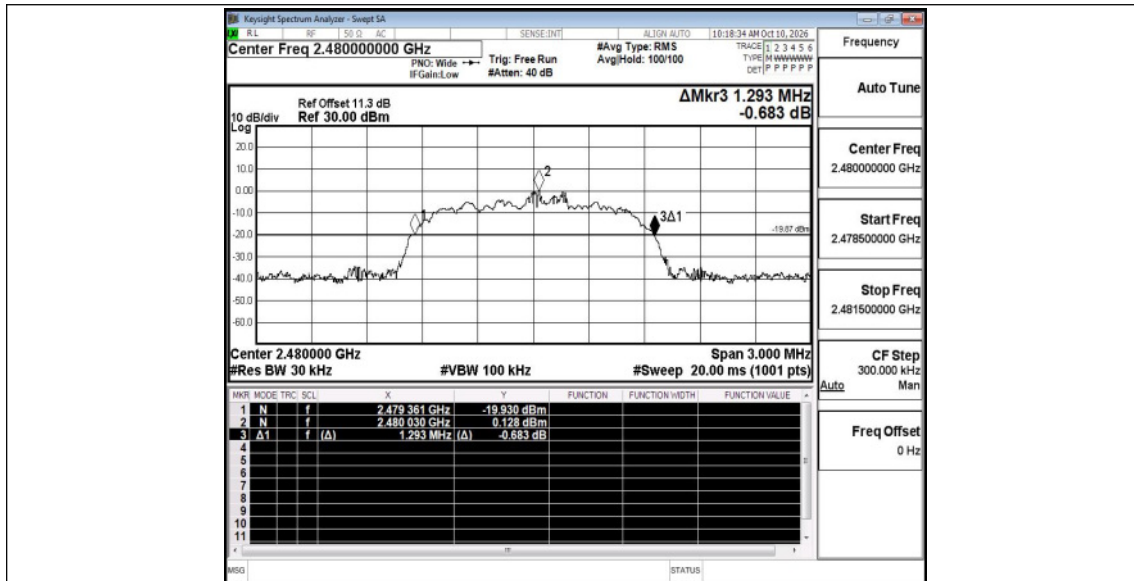
2DH5_Ant2_2402



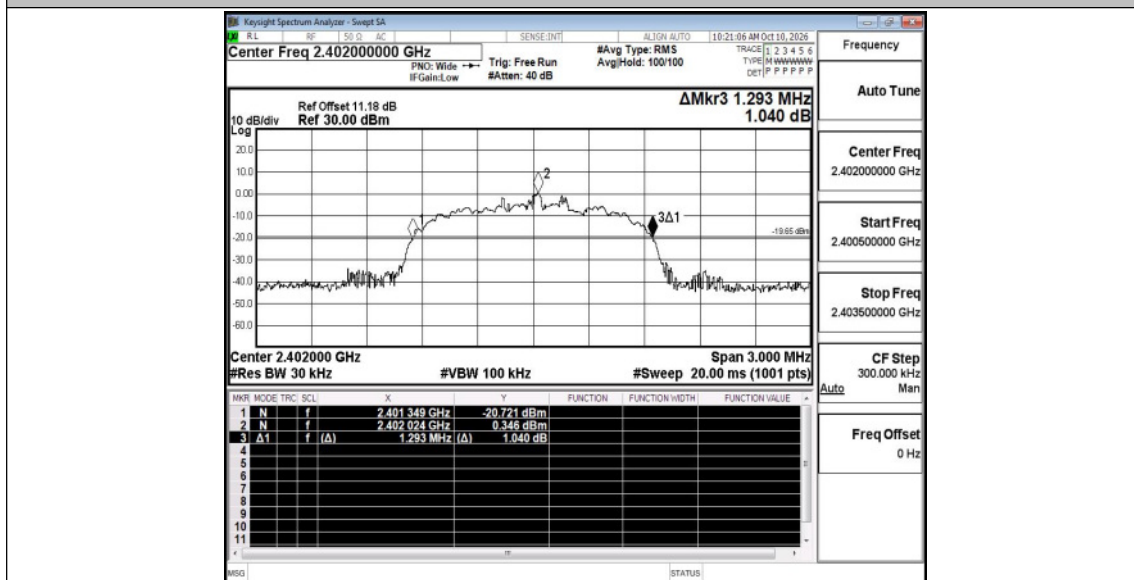
2DH5_Ant2_2441



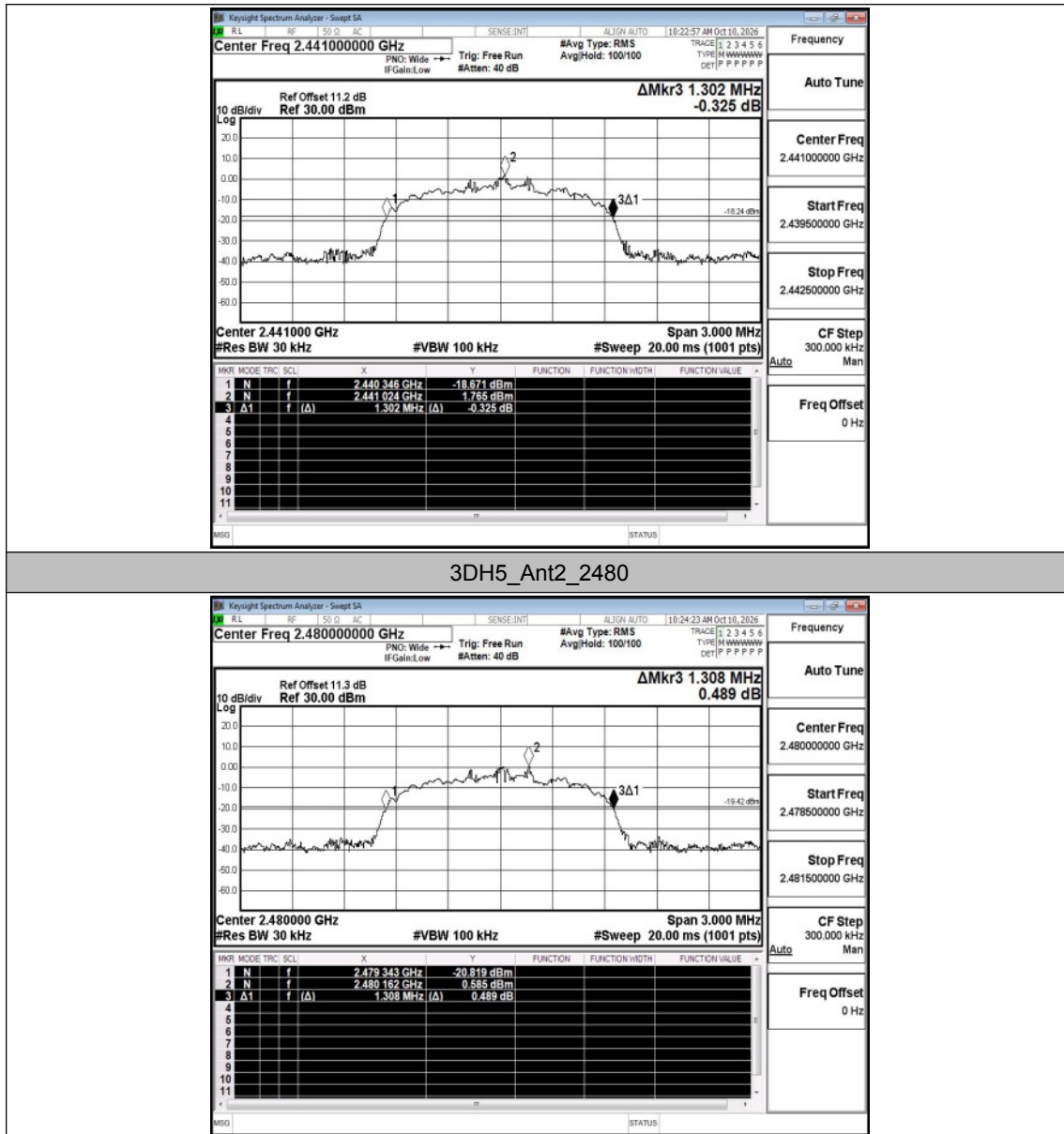
2DH5_Ant2_2480



3DH5_Ant2_2402



3DH5_Ant2_2441



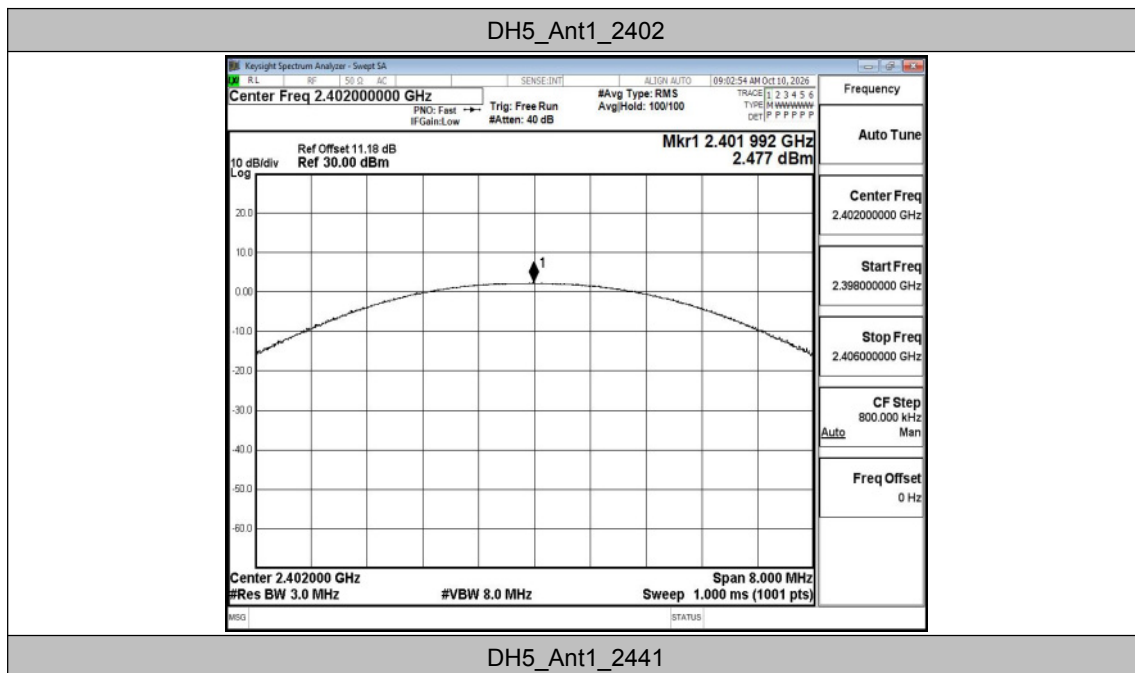
A.2 Maximum Peak conducted output power

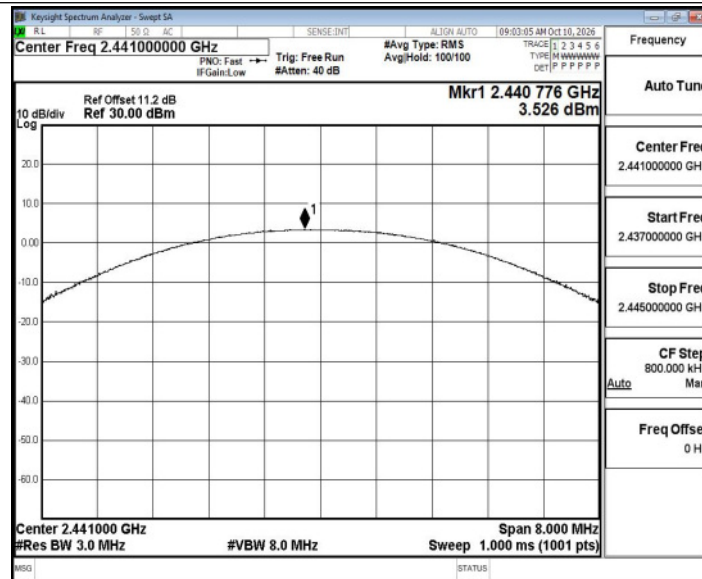
Test Result

Left:

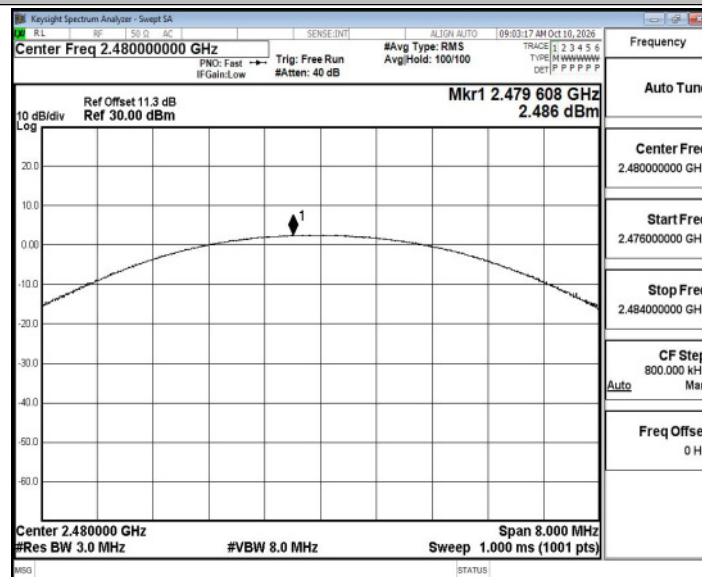
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.48	≤30	PASS
		2441	3.53	≤30	PASS
		2480	2.49	≤30	PASS
2DH5	Ant1	2402	3.81	≤20.97	PASS
		2441	4.80	≤20.97	PASS
		2480	3.61	≤20.97	PASS
3DH5	Ant1	2402	4.09	≤20.97	PASS
		2441	5.01	≤20.97	PASS
		2480	3.77	≤20.97	PASS

Test Graphs

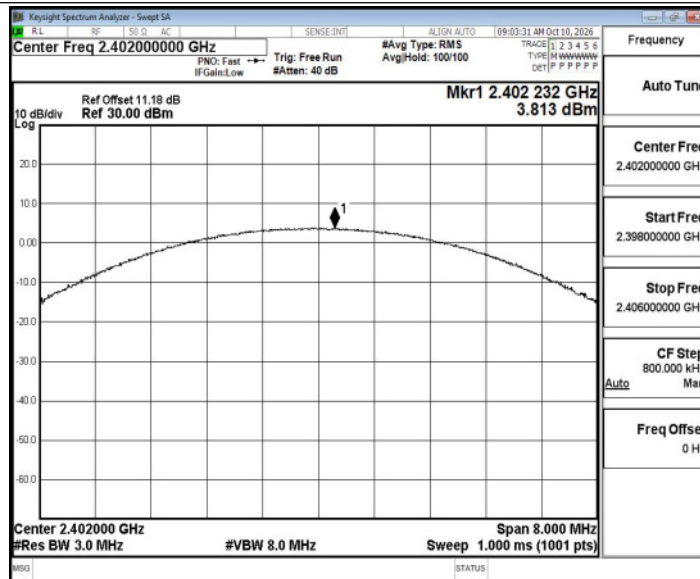




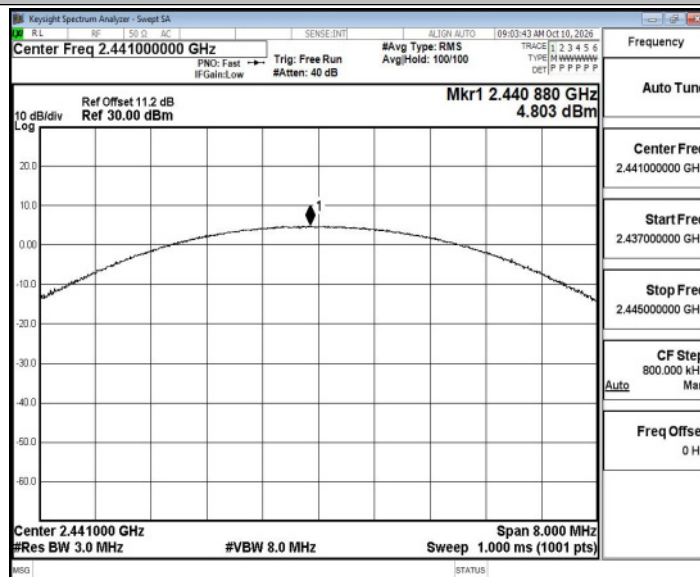
DH5_Ant1_2480



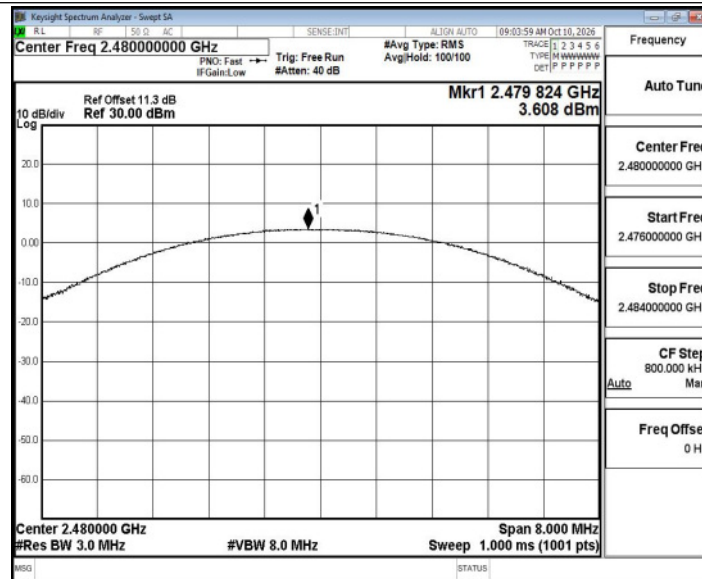
2DH5_Ant1_2402



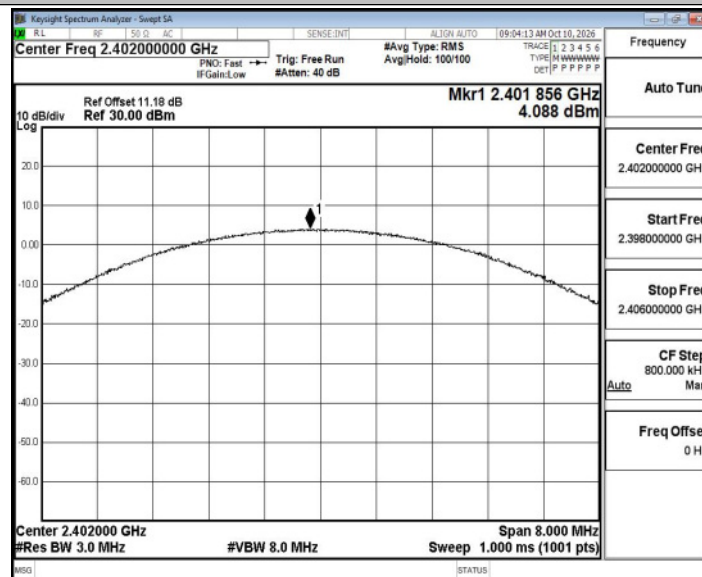
2DH5_Ant1_2441



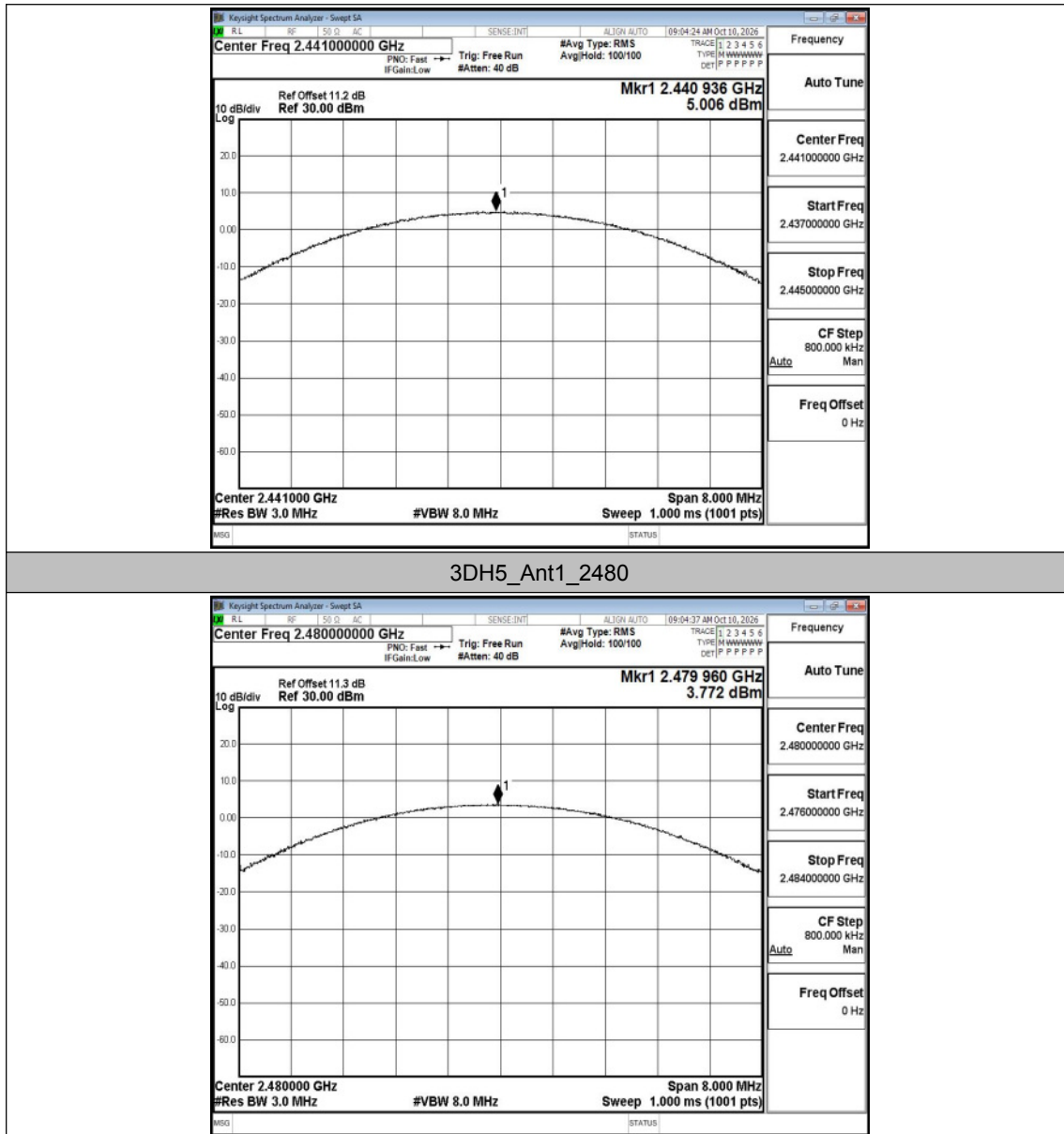
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

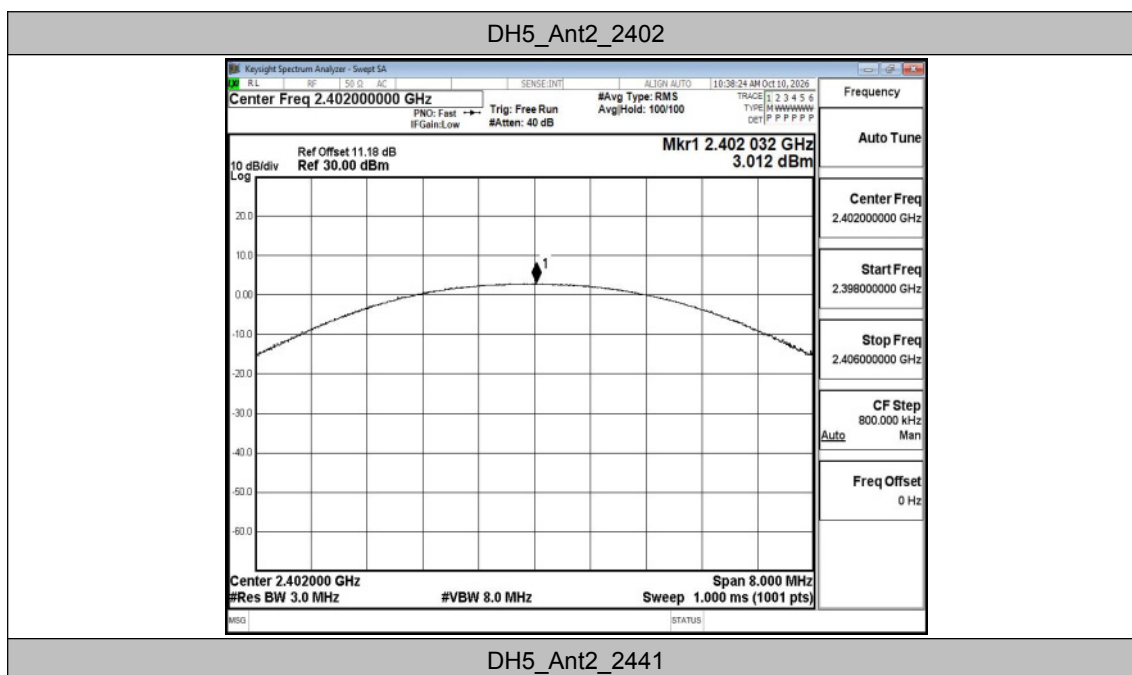


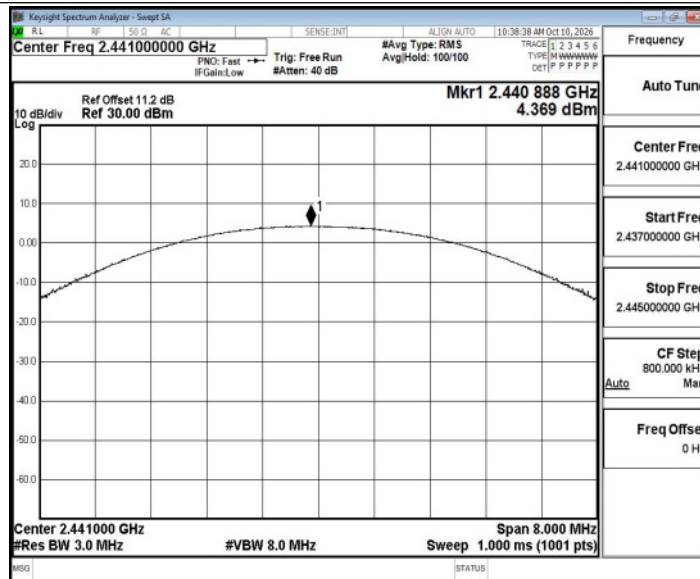
Test Result

Right:

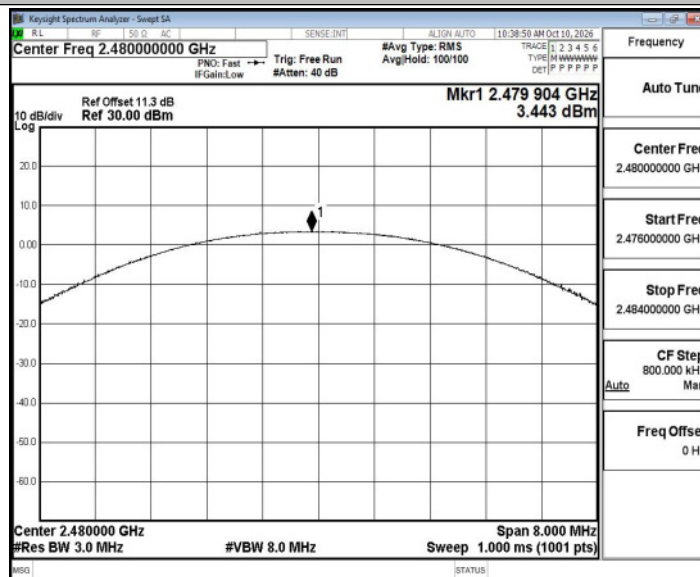
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant2	2402	3.01	≤20.97	PASS
		2441	4.37	≤20.97	PASS
		2480	3.44	≤20.97	PASS
2DH5	Ant2	2402	4.39	≤20.97	PASS
		2441	5.59	≤20.97	PASS
		2480	4.55	≤20.97	PASS
3DH5	Ant2	2402	4.79	≤20.97	PASS
		2441	5.92	≤20.97	PASS
		2480	4.83	≤20.97	PASS

Test Graphs

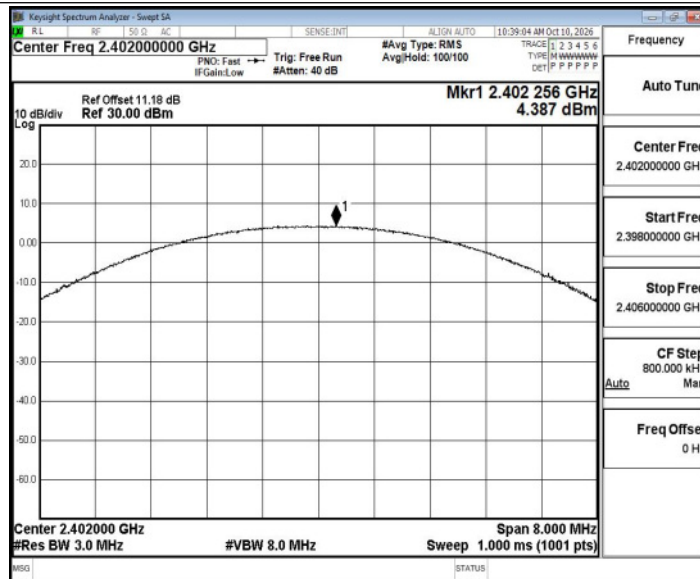




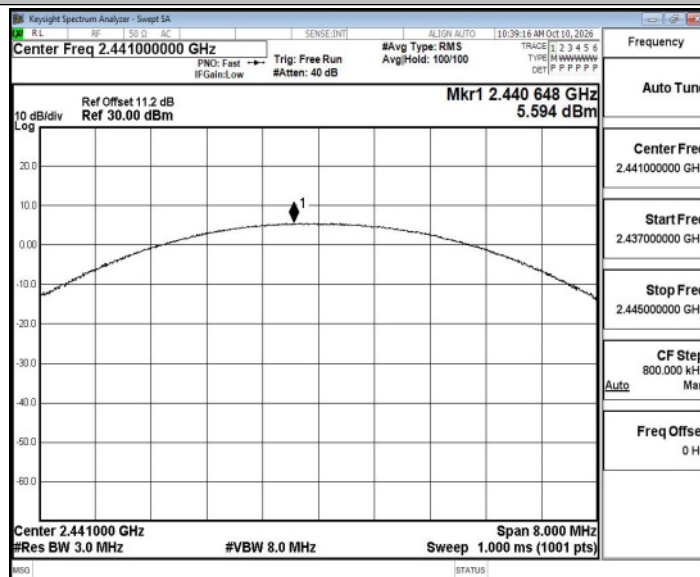
DH5_Ant2_2480



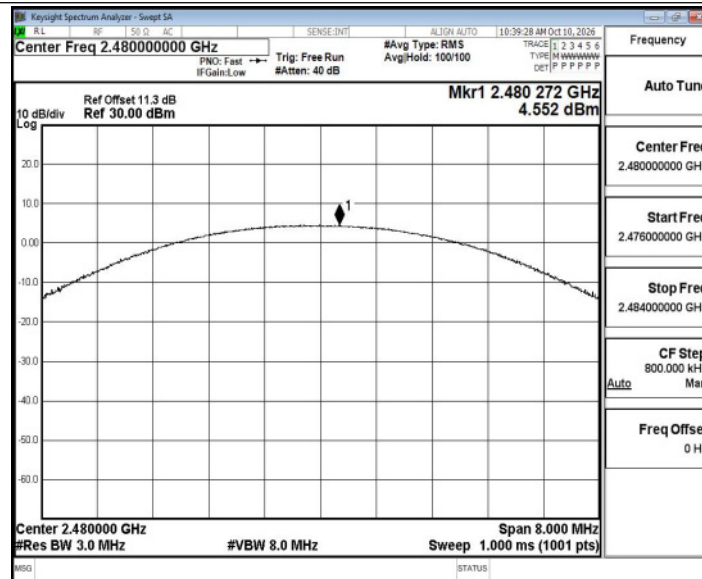
2DH5_Ant2_2402



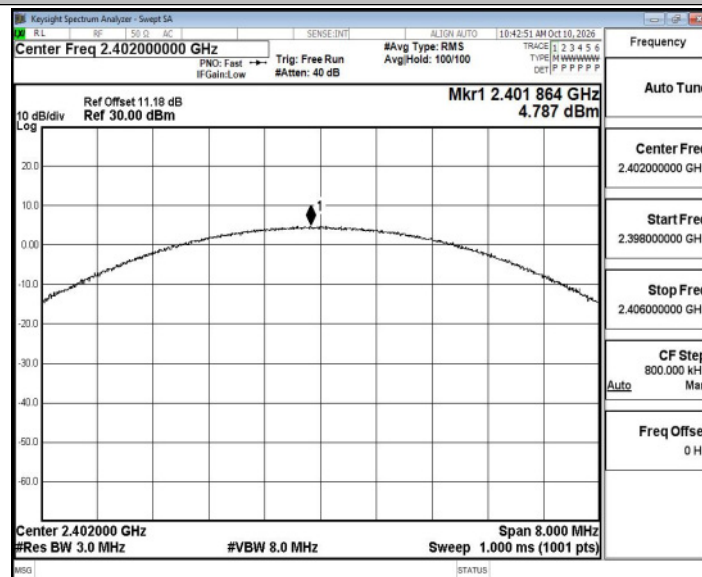
2DH5_Ant2_2441



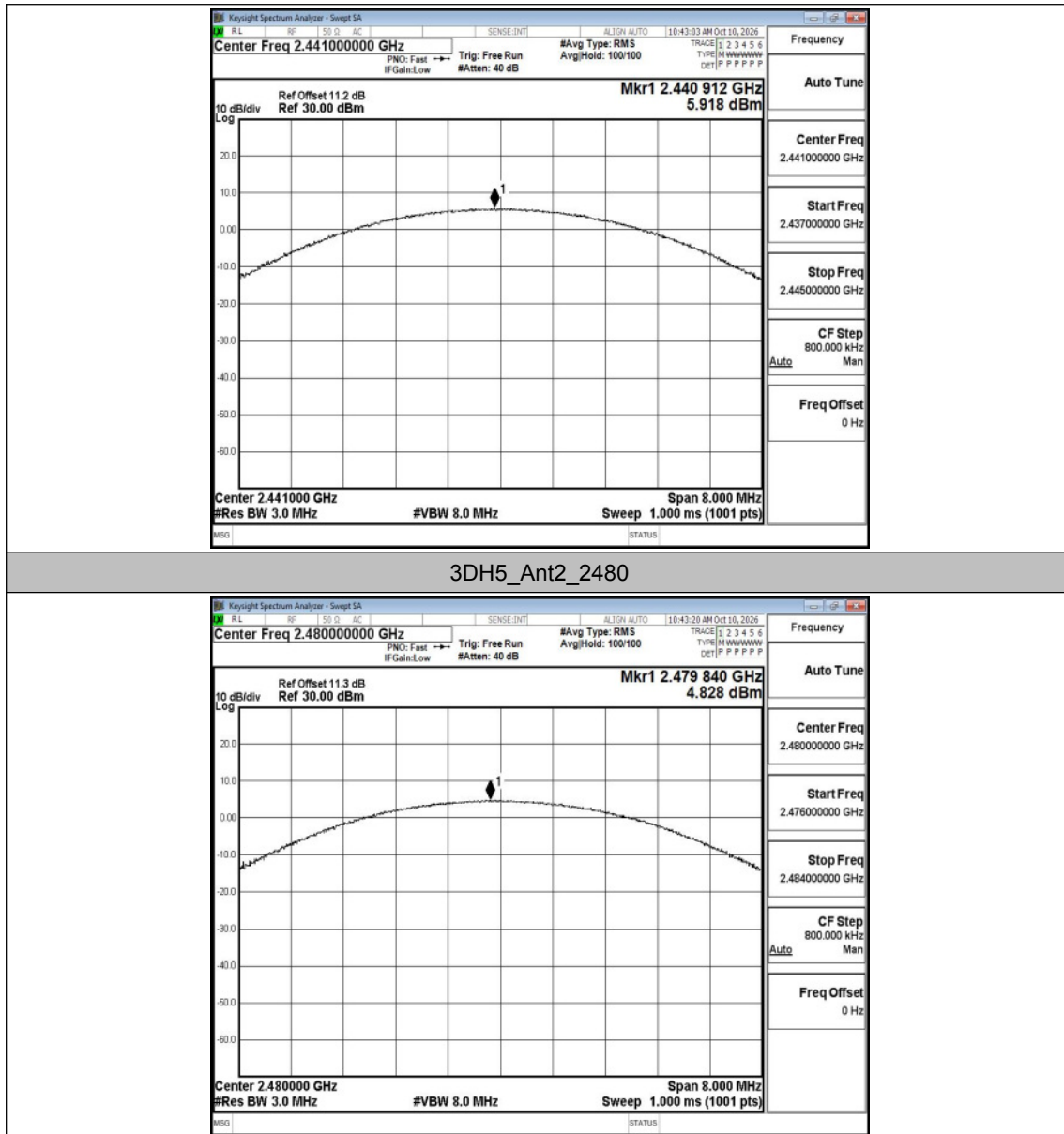
2DH5_Ant2_2480



3DH5_Ant2_2402



3DH5_Ant2_2441



A.3 Carrier frequency separation

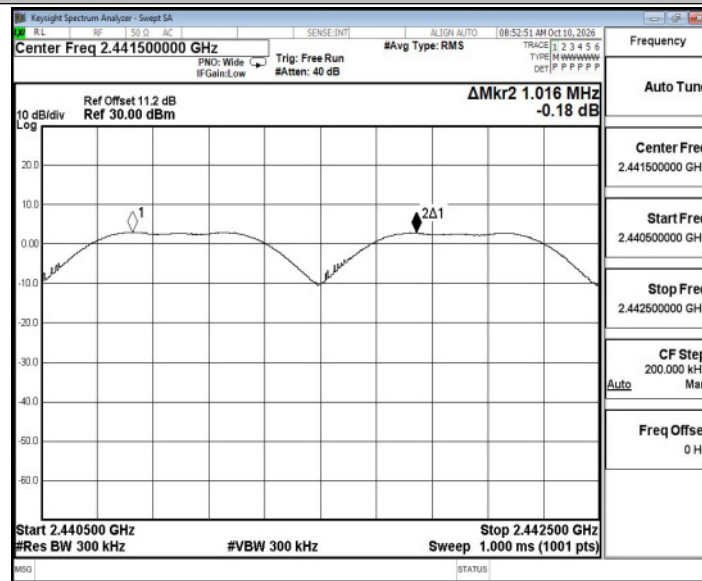
Test Result

Left:

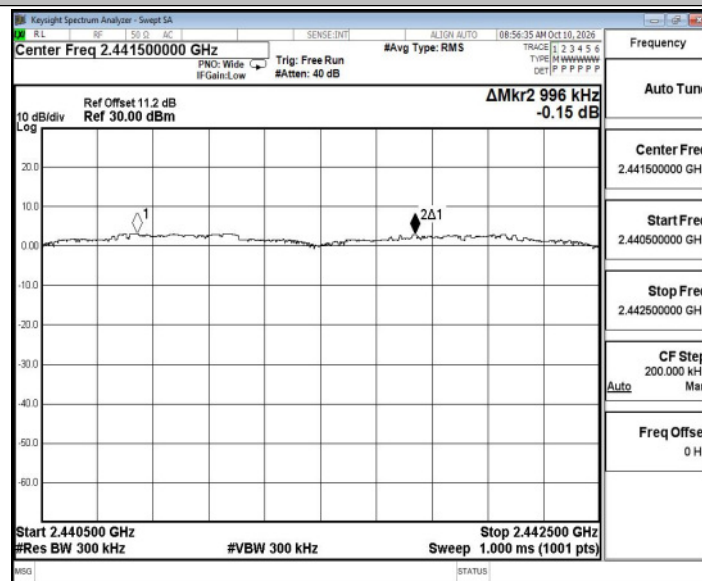
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.016	≥ 0.963	PASS
2DH5	Ant1	Hop	0.996	≥ 0.864	PASS
3DH5	Ant1	Hop	1.022	≥ 0.868	PASS

Test Graphs

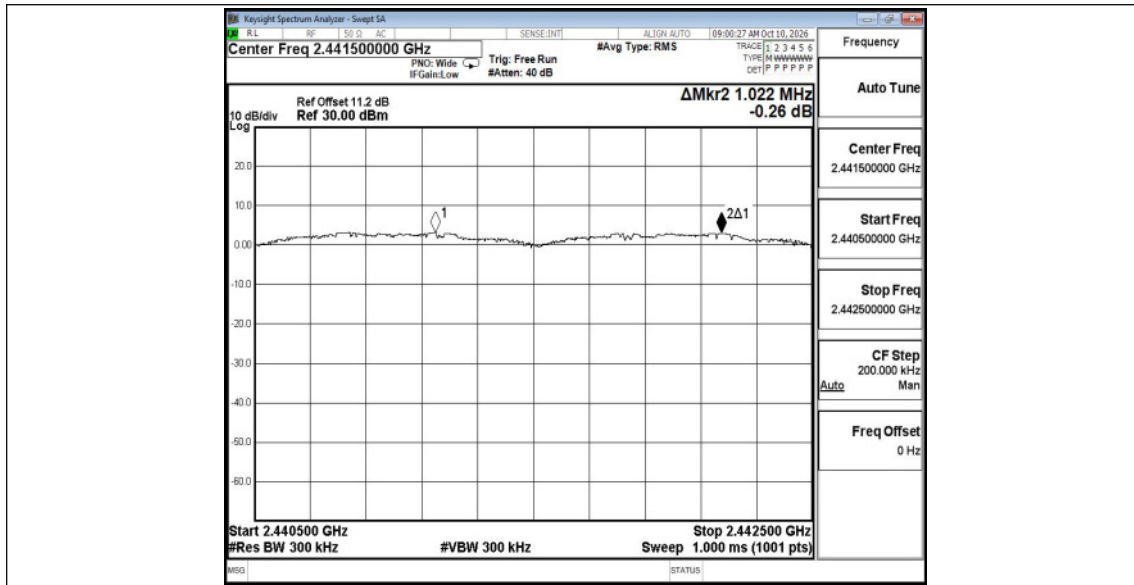
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

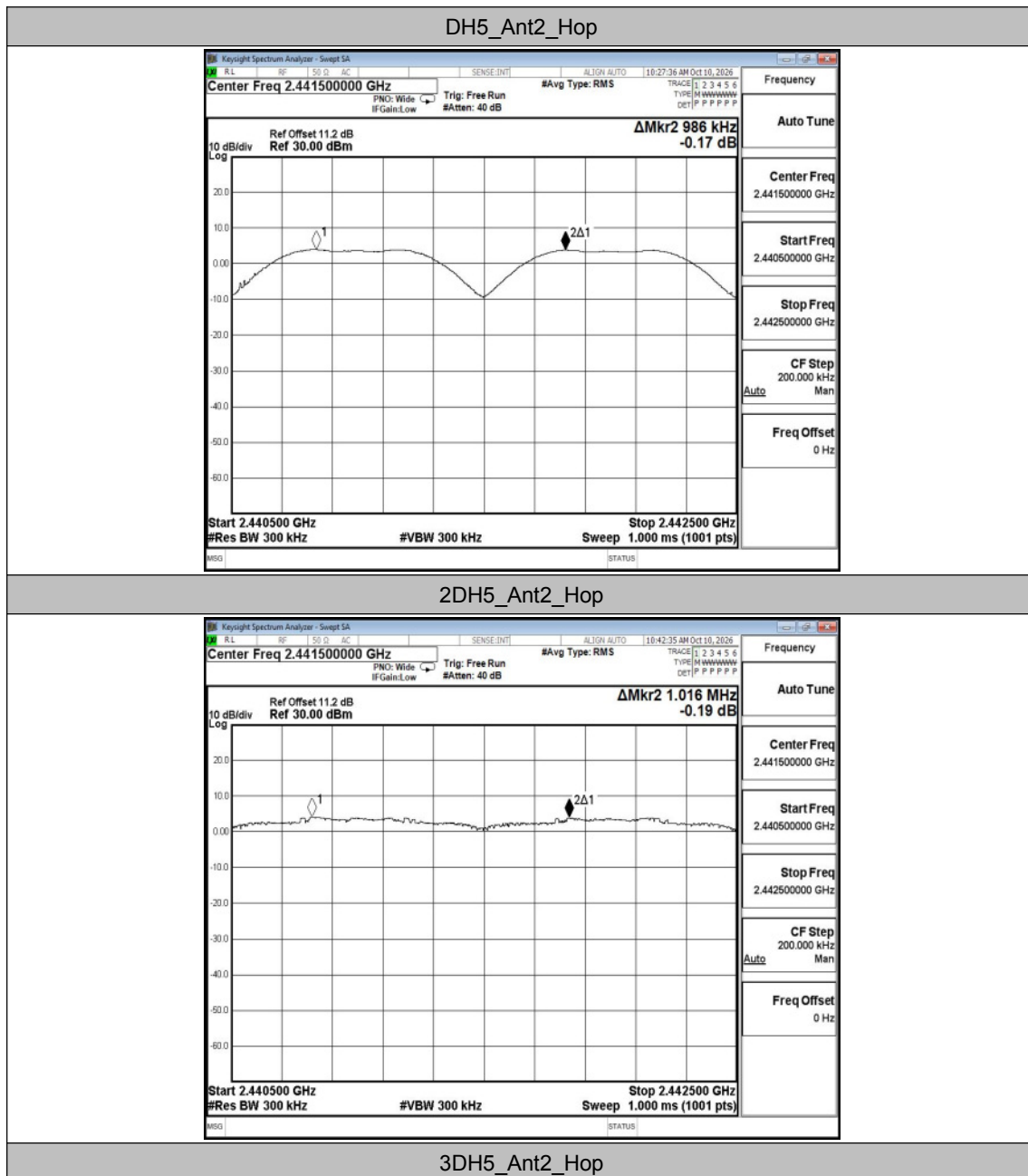


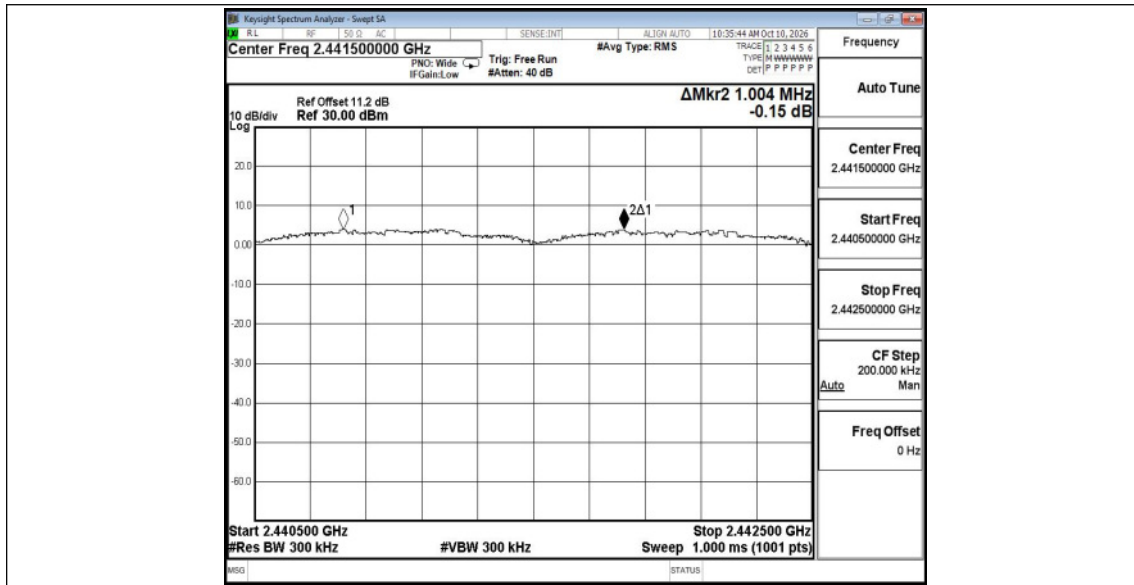
Test Result

Right:

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant2	Hop	0.986	≥0.680	PASS
2DH5	Ant2	Hop	1.016	≥0.862	PASS
3DH5	Ant2	Hop	1.004	≥0.872	PASS

Test Graphs





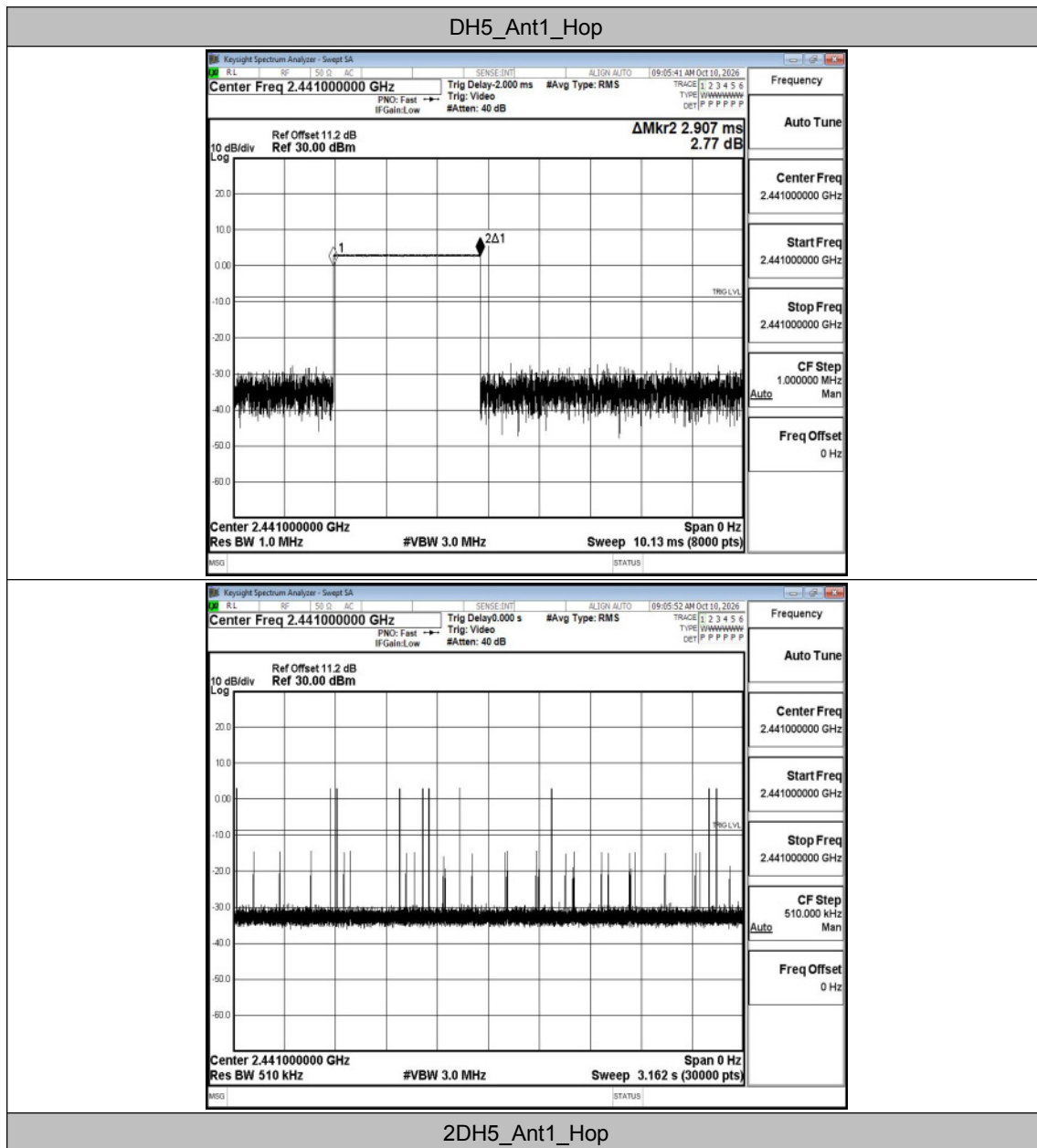
A.4 Time of occupancy

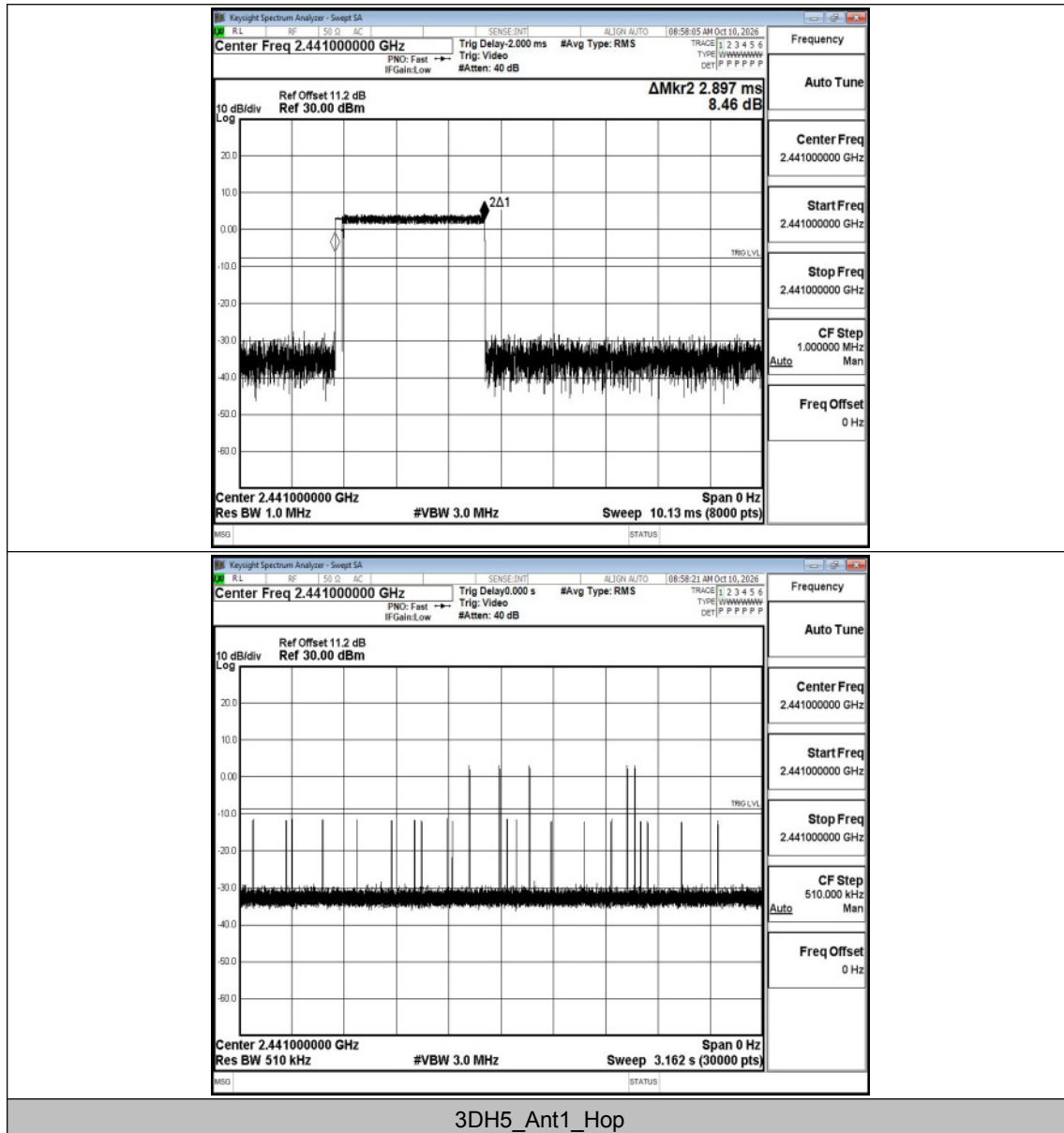
Test Result

Left:

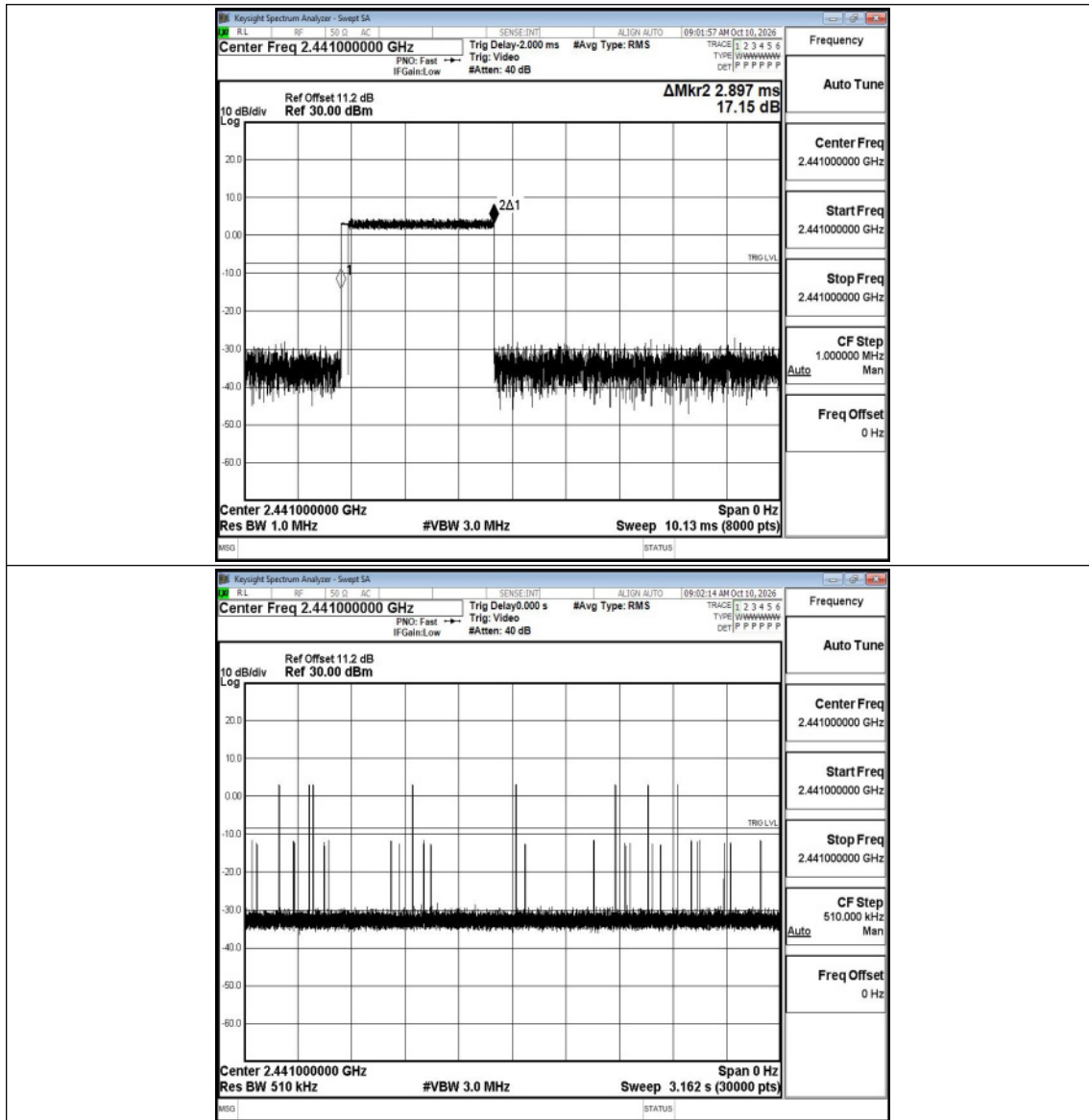
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.897	60	0.174	≤0.4	PASS
3DH5	Ant1	Hop	2.897	100	0.29	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

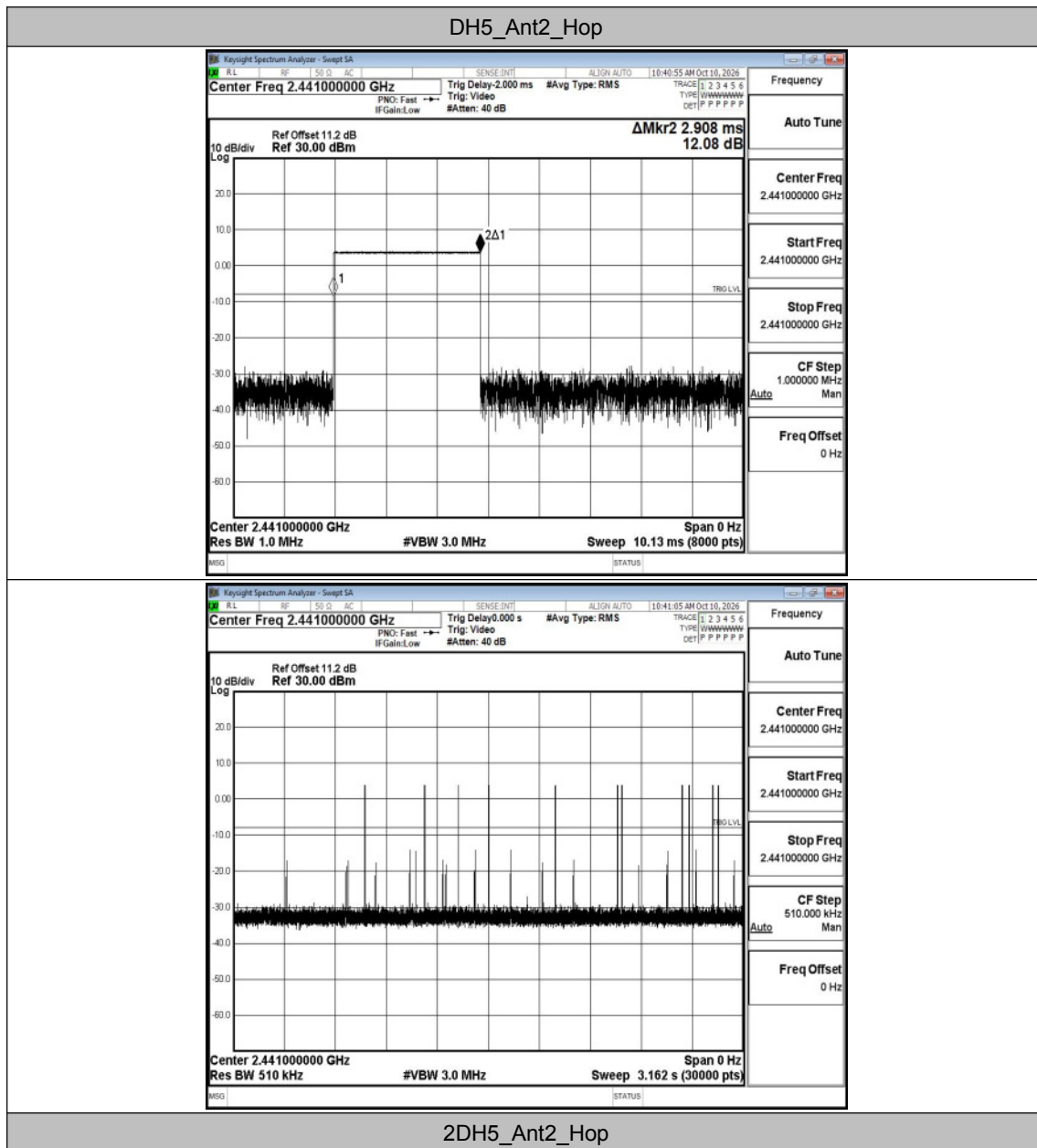


Test Result

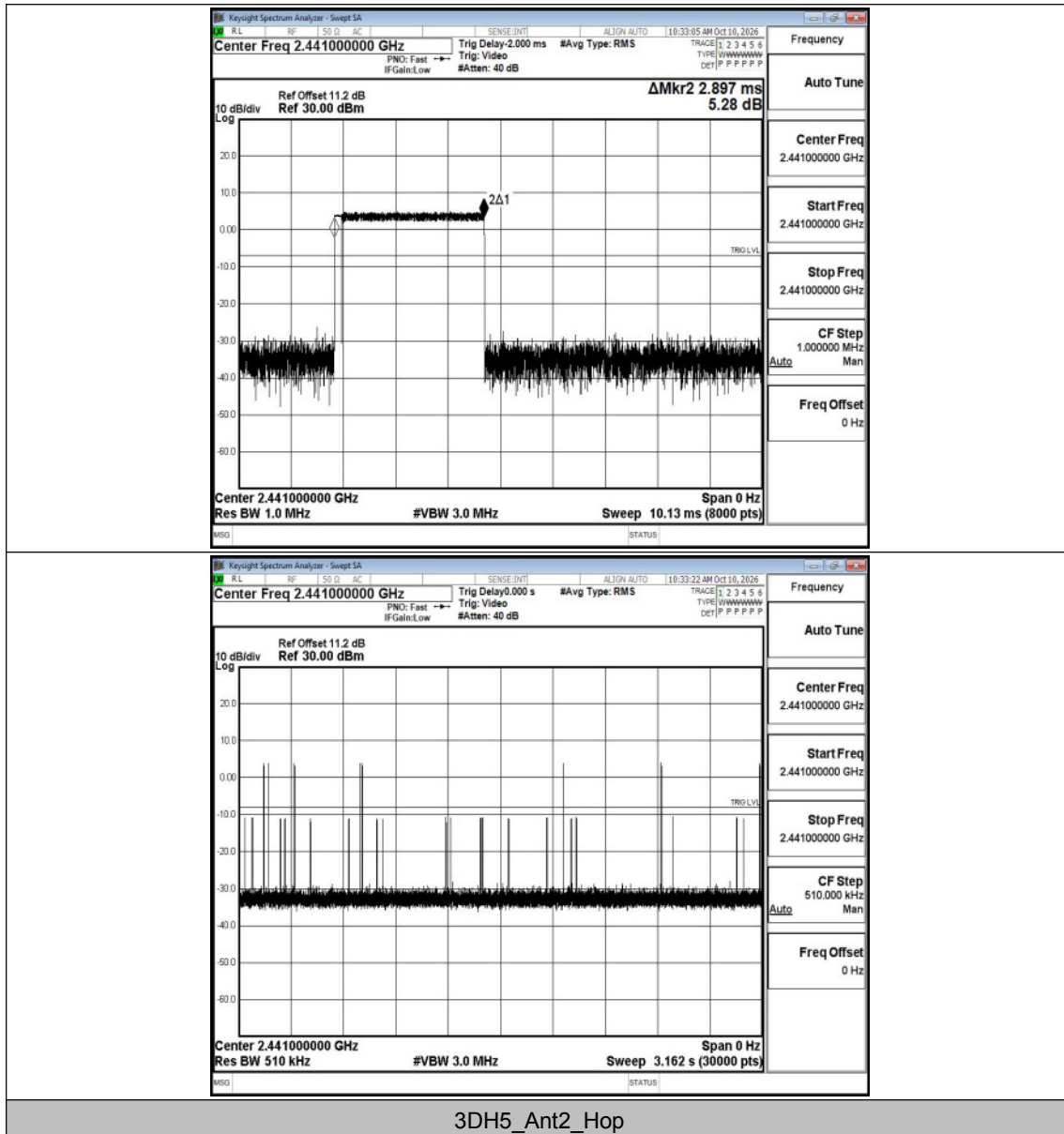
Right:

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant2	Hop	2.908	120	0.349	≤0.4	PASS
2DH5	Ant2	Hop	2.897	90	0.261	≤0.4	PASS
3DH5	Ant2	Hop	2.896	130	0.376	≤0.4	PASS

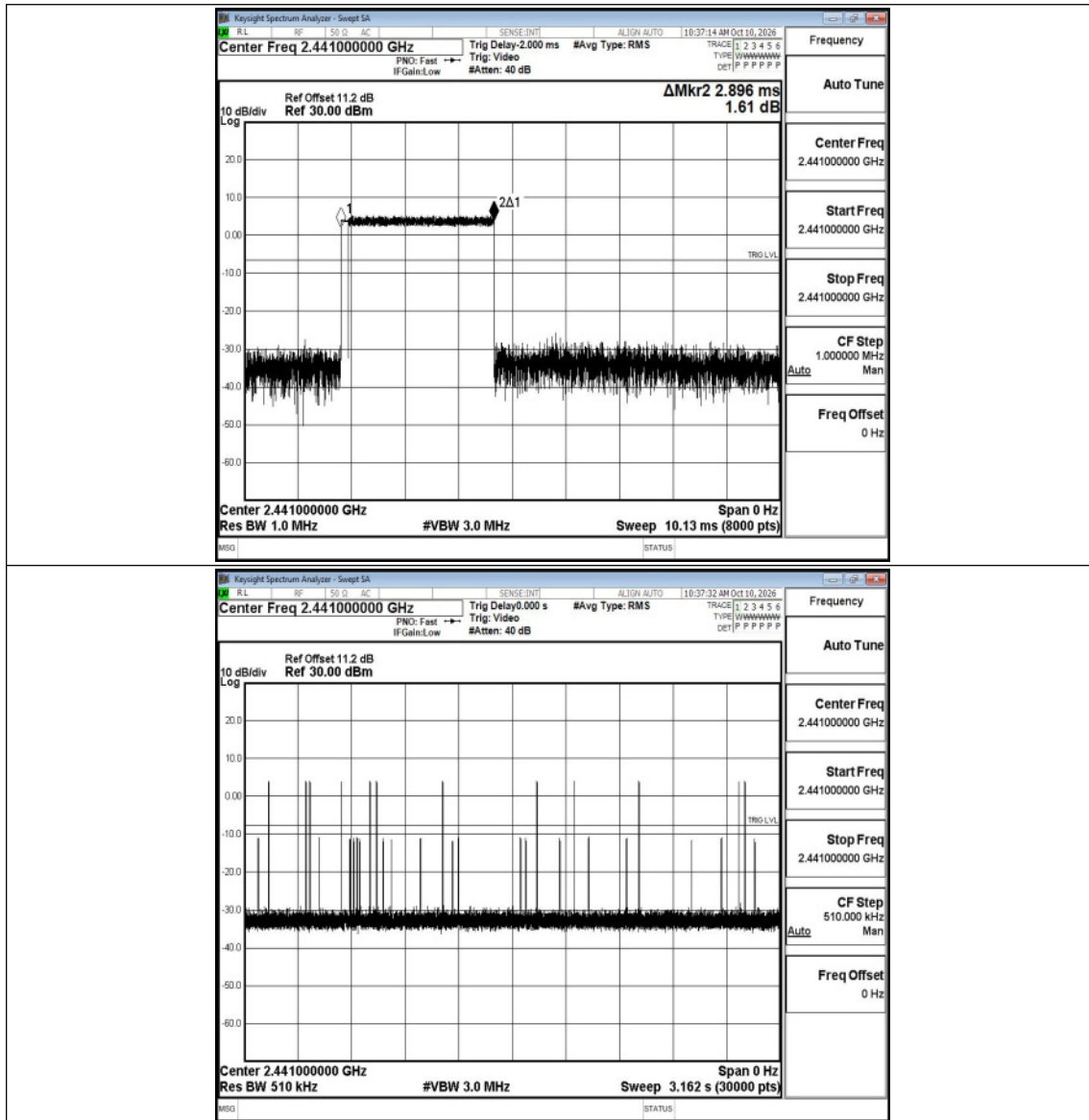
Test Graphs



2DH5_Ant2_Hop



3DH5_Ant2_Hop



A.5 Number of hopping channels

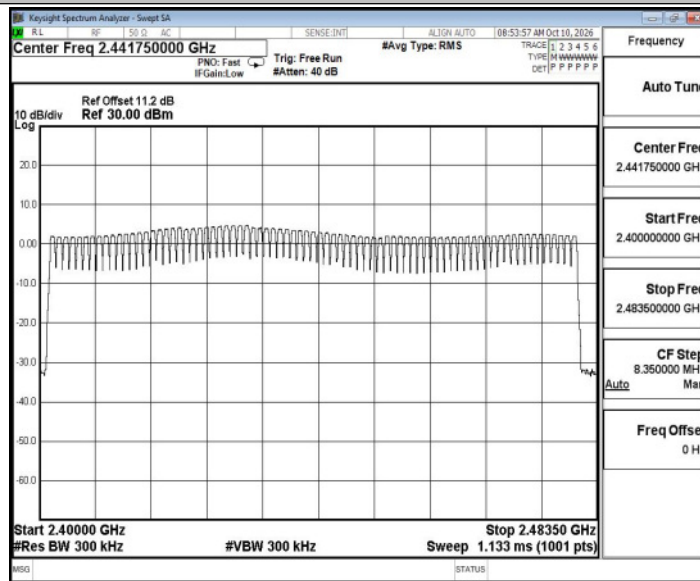
Test Result

Left:

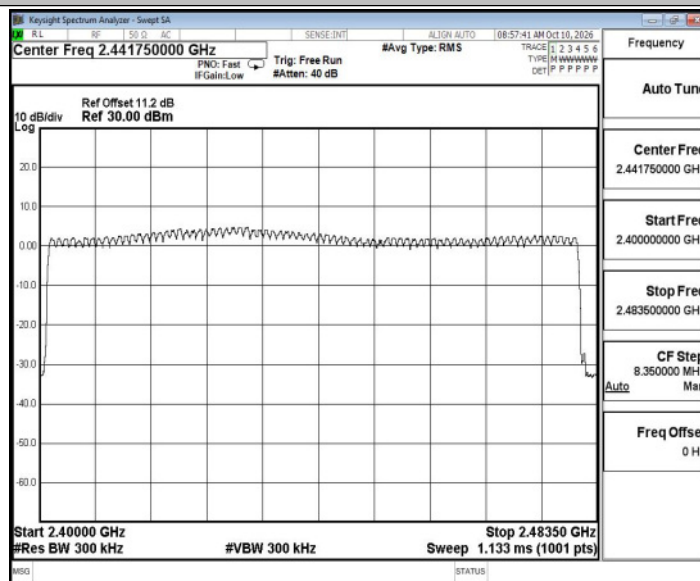
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

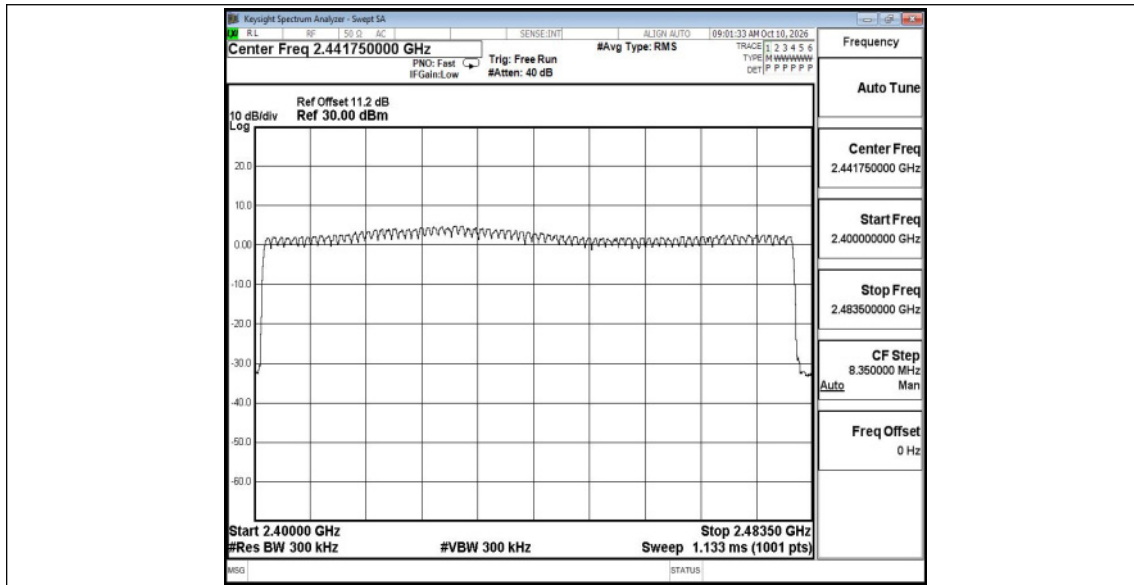
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



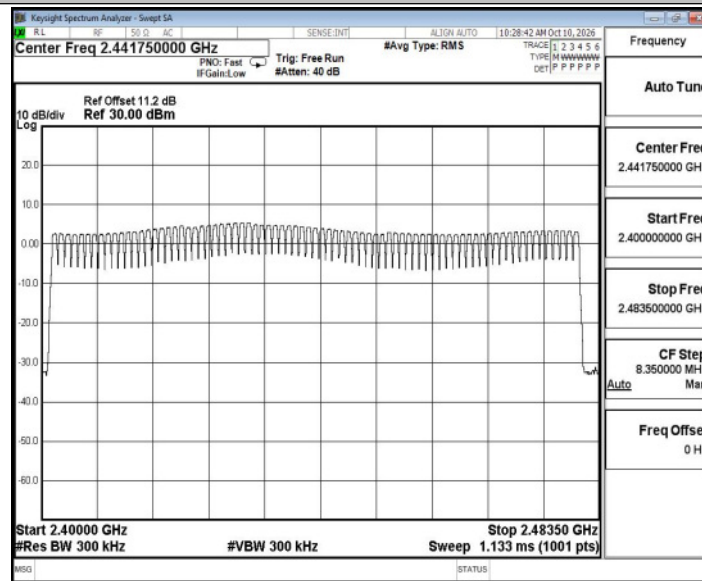
Test Result

Right:

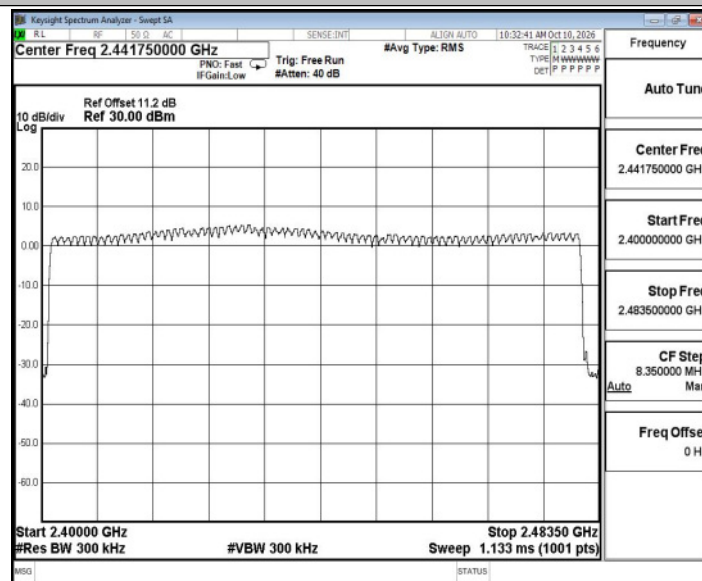
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant2	Hop	79	≥15	PASS
2DH5	Ant2	Hop	79	≥15	PASS
3DH5	Ant2	Hop	79	≥15	PASS

Test Graphs

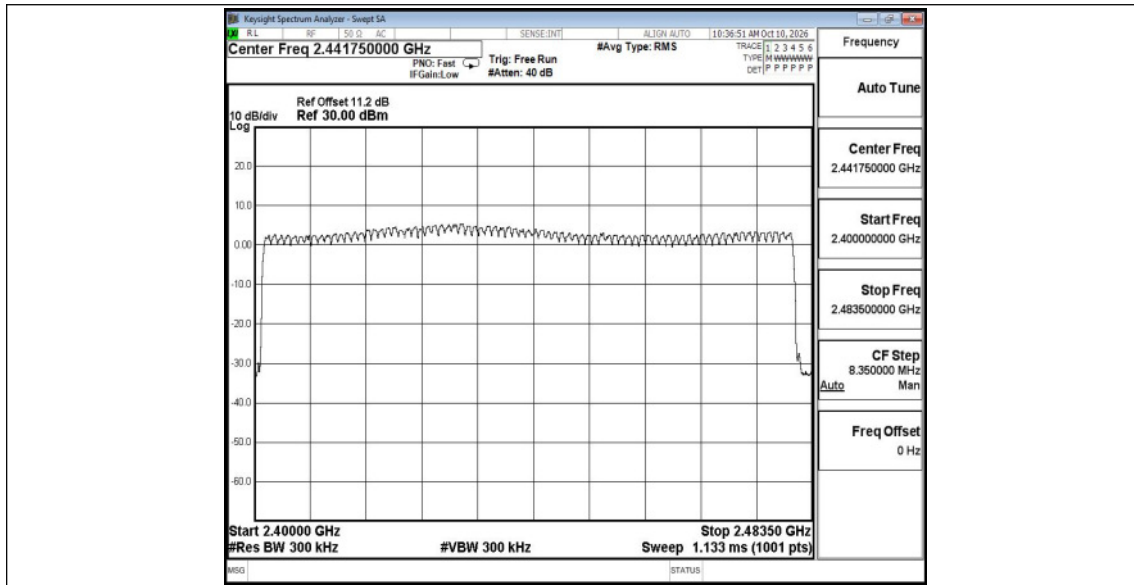
DH5_Ant2_Hop



2DH5_Ant2_Hop



3DH5_Ant2_Hop



A.6 Band edge measurements

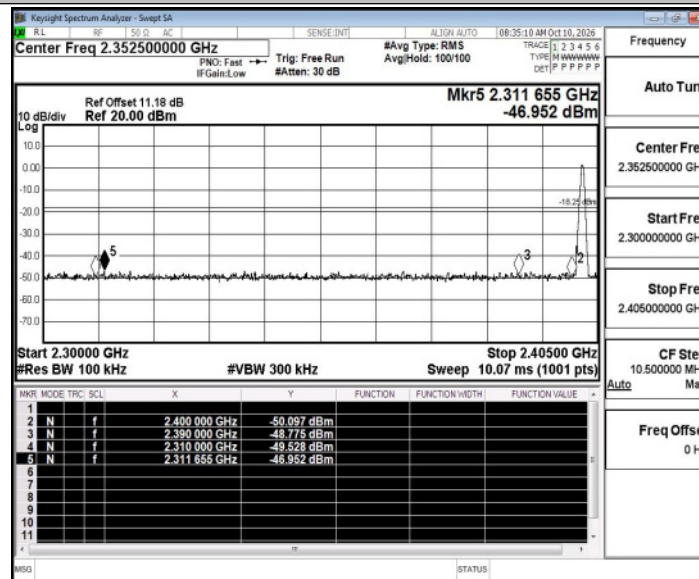
Test Result

Left:

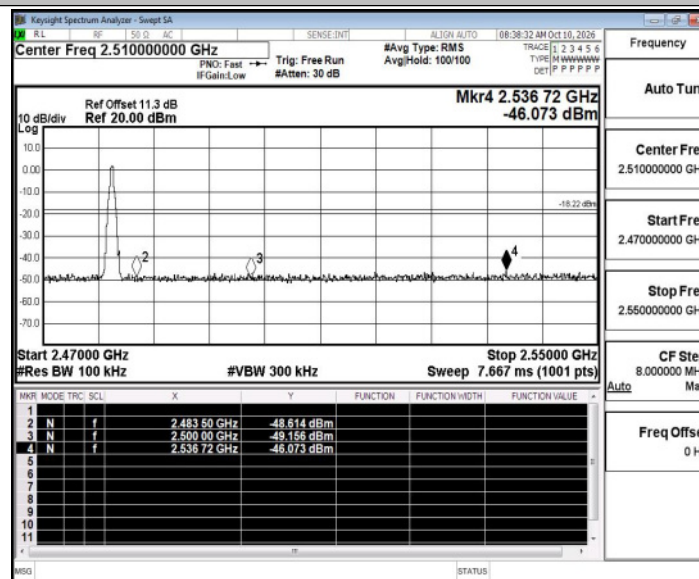
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.75	-46.95	≤ -18.25	PASS
		High	2480	1.78	-46.07	≤ -18.22	PASS
		Low	Hop_2402	1.19	-46.21	≤ -18.82	PASS
		High	Hop_2480	2.15	-45.43	≤ -17.85	PASS
2DH5	Ant1	Low	2402	1.40	-45.72	≤ -18.6	PASS
		High	2480	1.75	-45.63	≤ -18.25	PASS
		Low	Hop_2402	0.11	-45.94	≤ -19.89	PASS
		High	Hop_2480	2.09	-45.11	≤ -17.91	PASS
3DH5	Ant1	Low	2402	1.08	-45.57	≤ -18.92	PASS
		High	2480	1.14	-45.97	≤ -18.86	PASS
		Low	Hop_2402	-1.59	-46.13	≤ -21.59	PASS
		High	Hop_2480	2.50	-44.6	≤ -17.5	PASS

Test Graphs

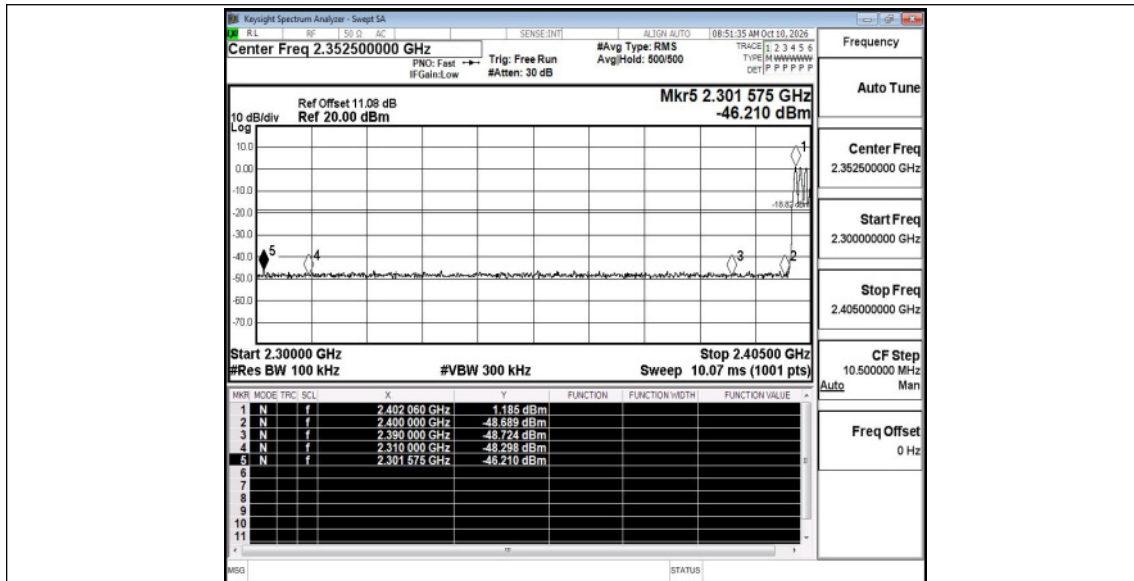
DH5_Ant1_Low_2402



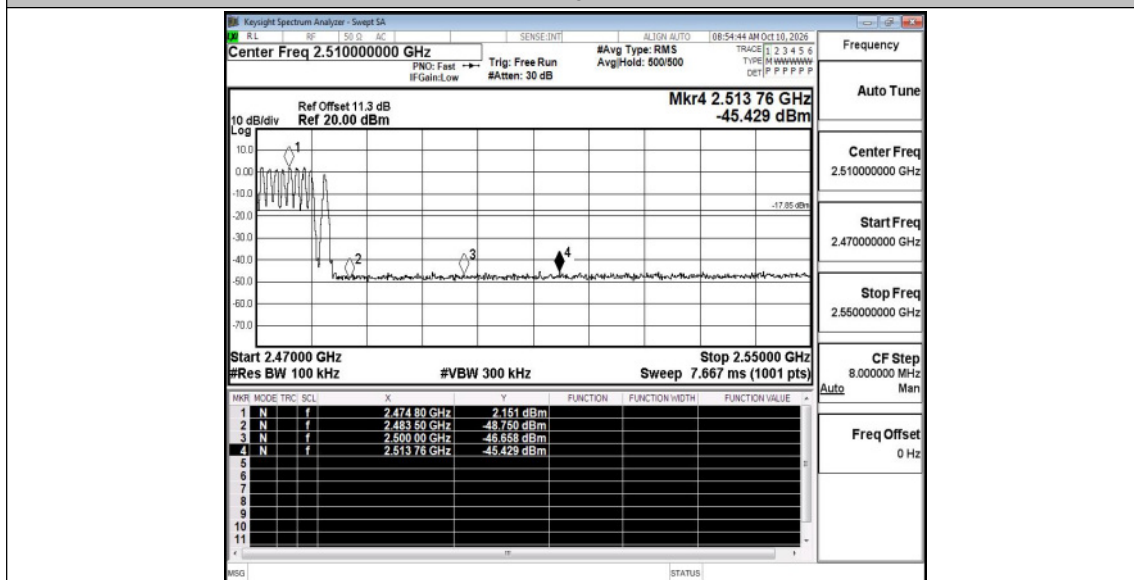
DH5_Ant1_High_2480



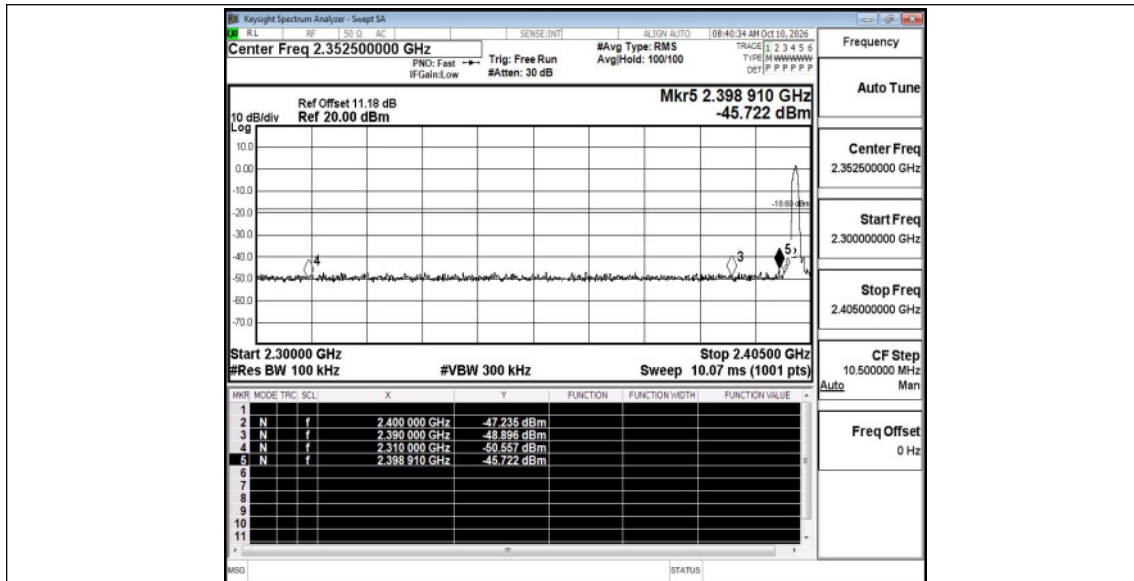
DH5_Ant1_Low_Hop_2402



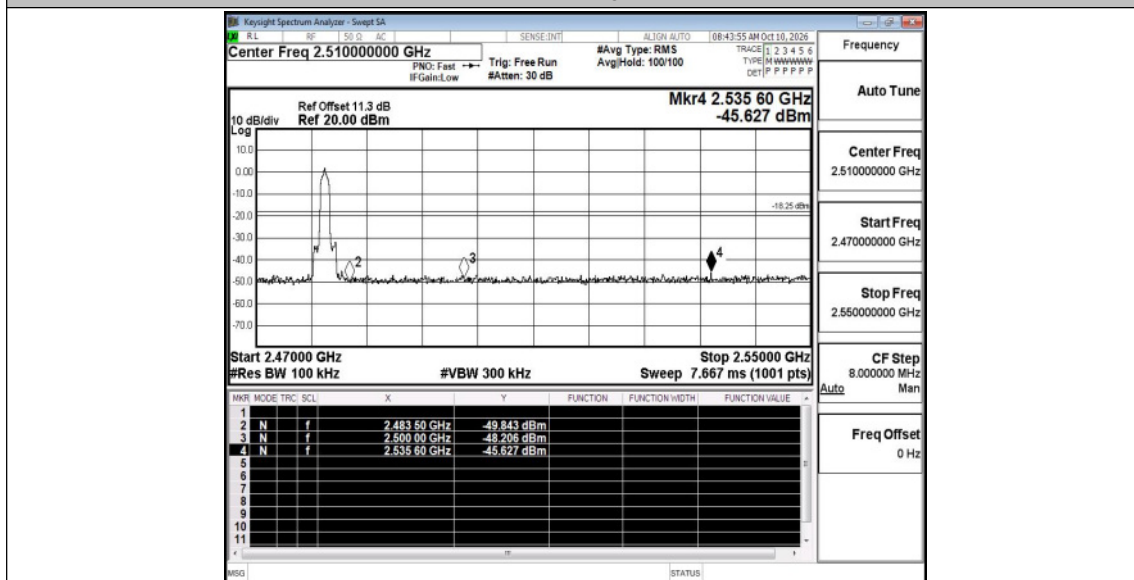
DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402

