

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: HELIOS12 16G

Environmental Conditions

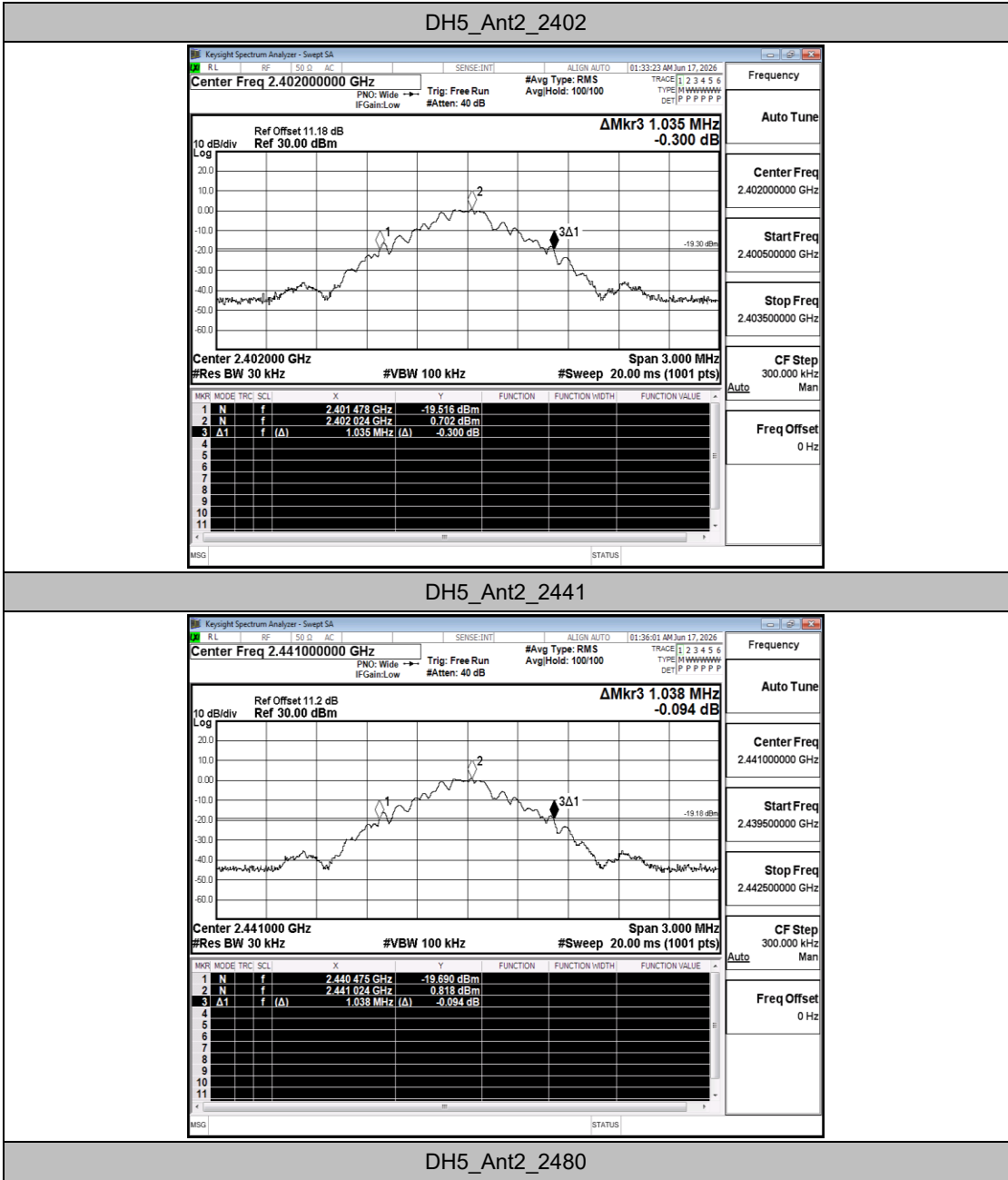
Temperature:	24.5°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

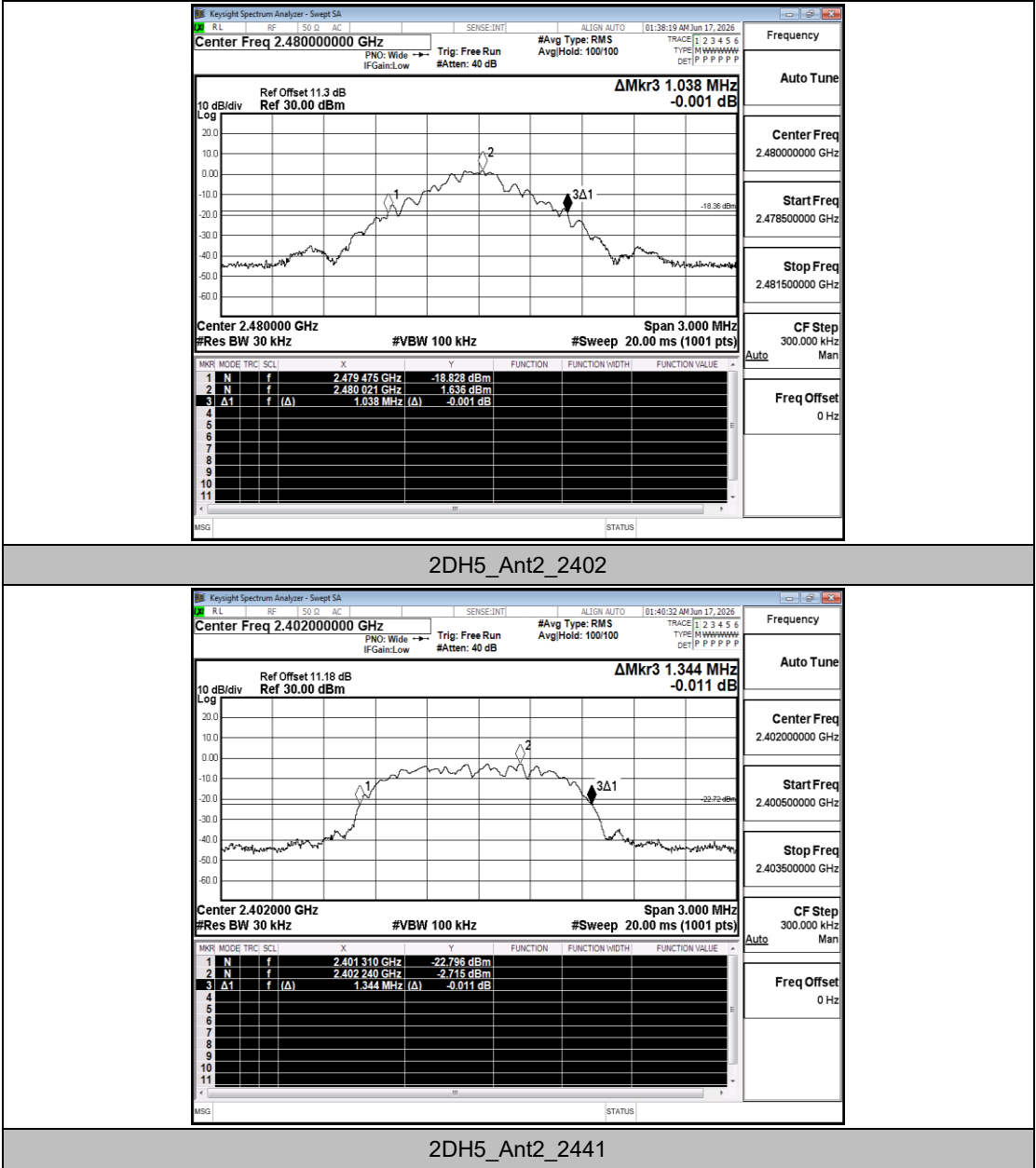
A.1 20dB Emission Bandwidth

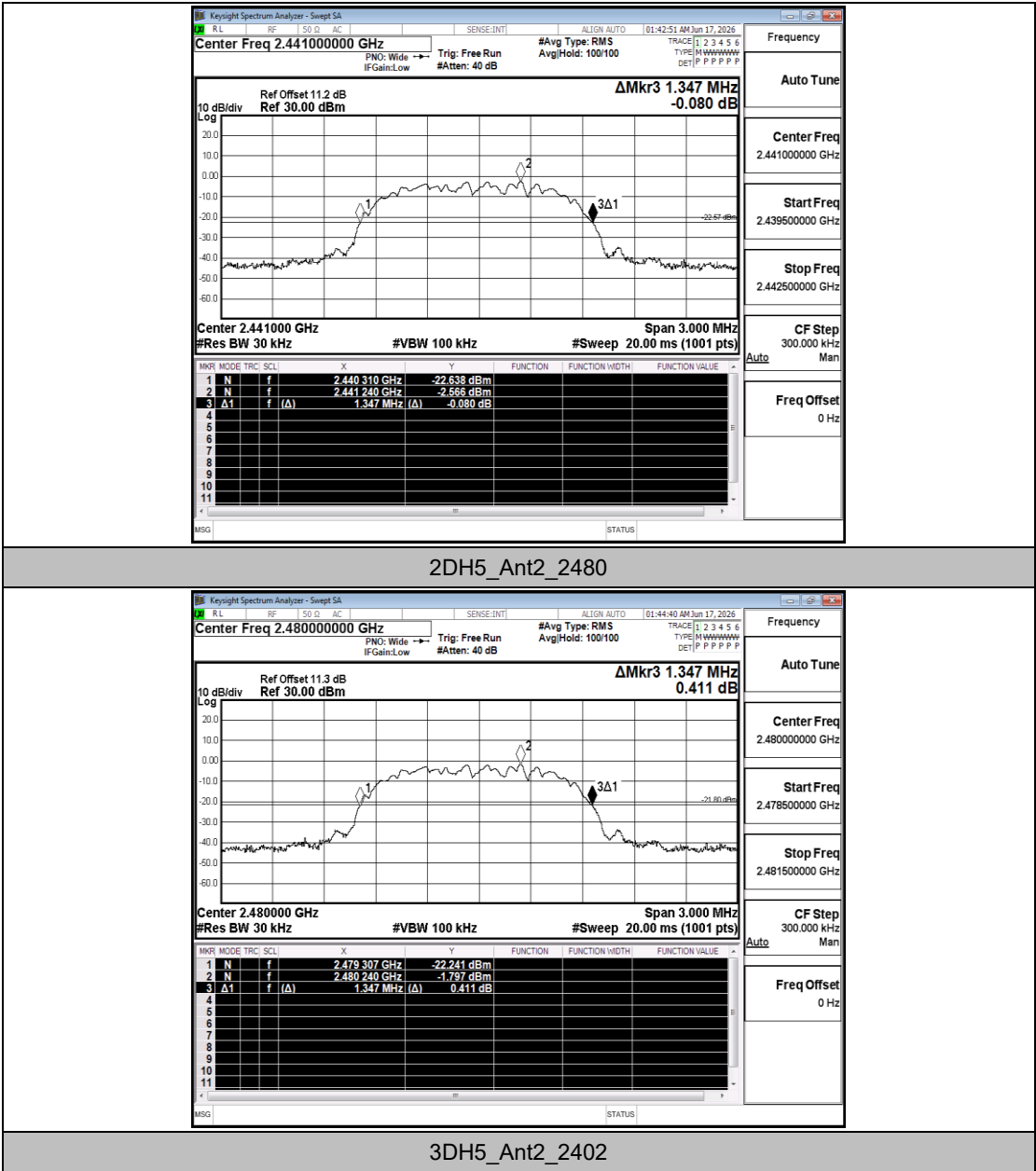
Test Result

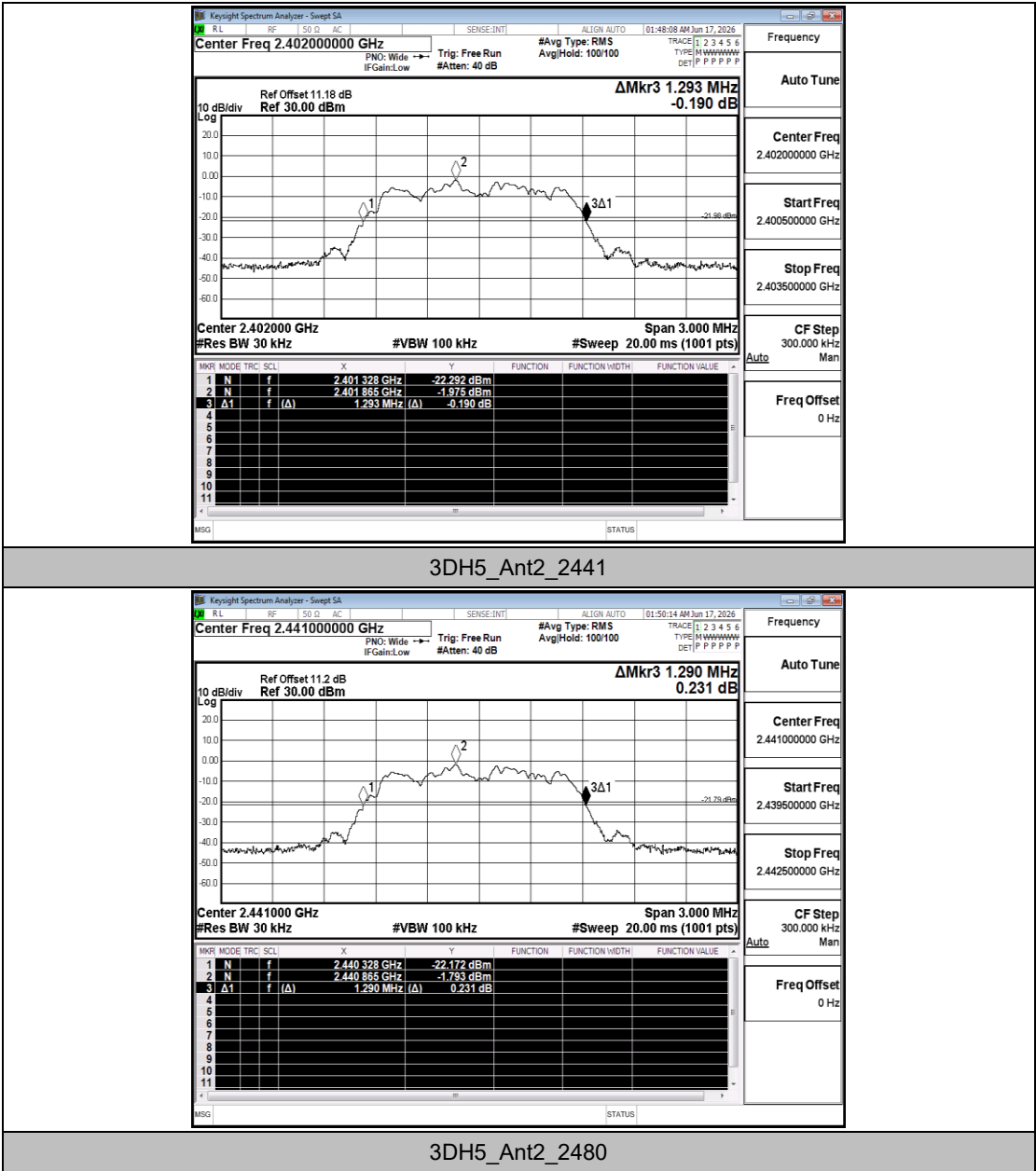
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant2	2402	1.035	2401.478	2402.513	---	---
		2441	1.038	2440.475	2441.513	---	---
		2480	1.038	2479.475	2480.513	---	---
2DH5	Ant2	2402	1.344	2401.310	2402.654	---	---
		2441	1.347	2440.310	2441.657	---	---
		2480	1.347	2479.307	2480.654	---	---
3DH5	Ant2	2402	1.293	2401.328	2402.621	---	---
		2441	1.290	2440.328	2441.618	---	---
		2480	1.293	2479.328	2480.621	---	---

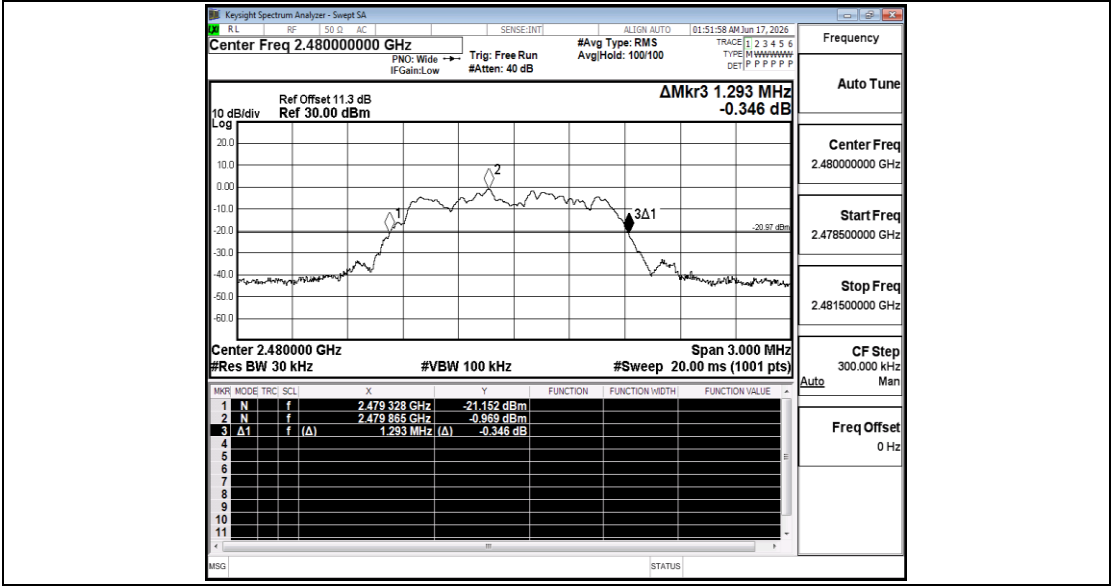
Test Graphs









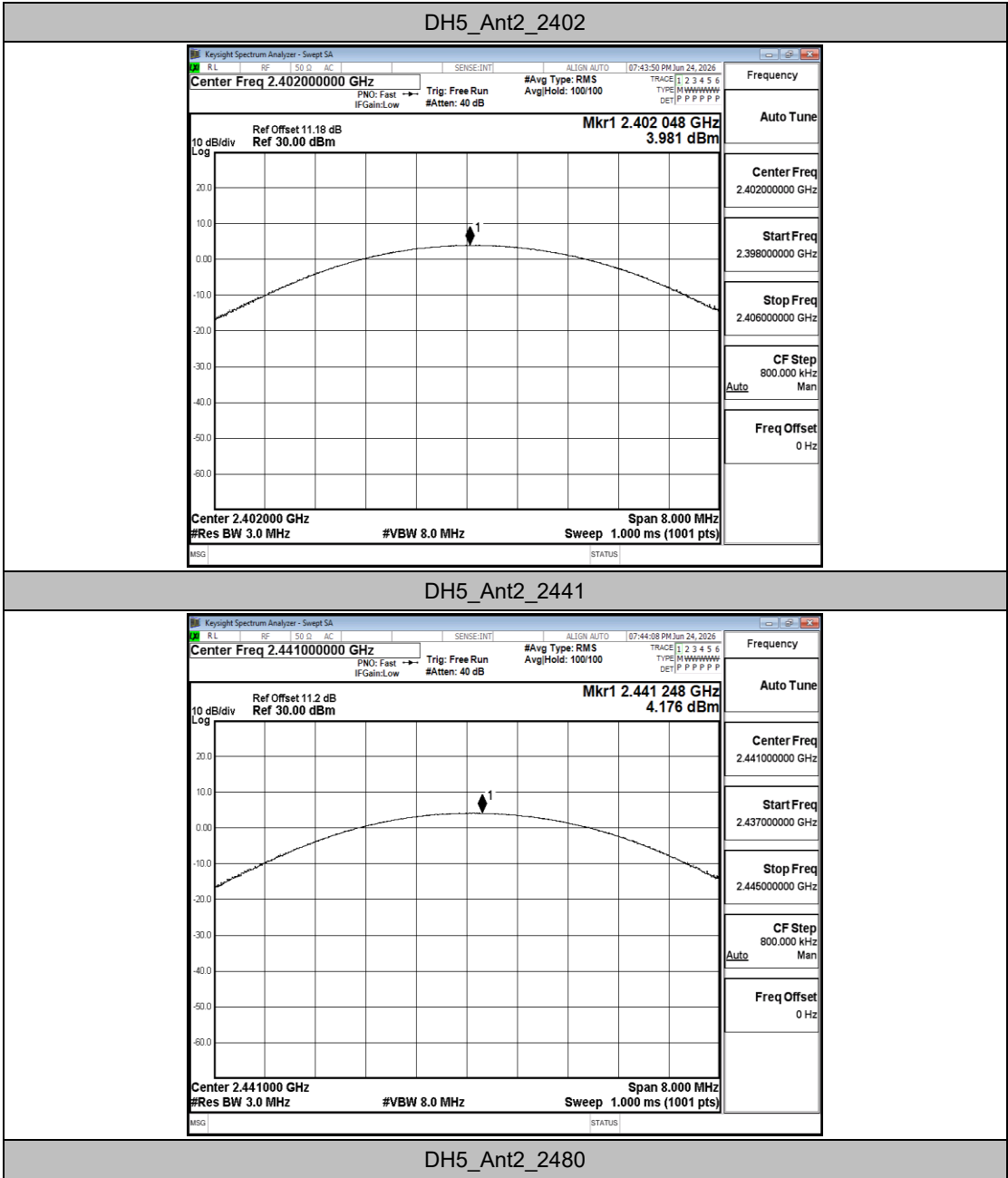


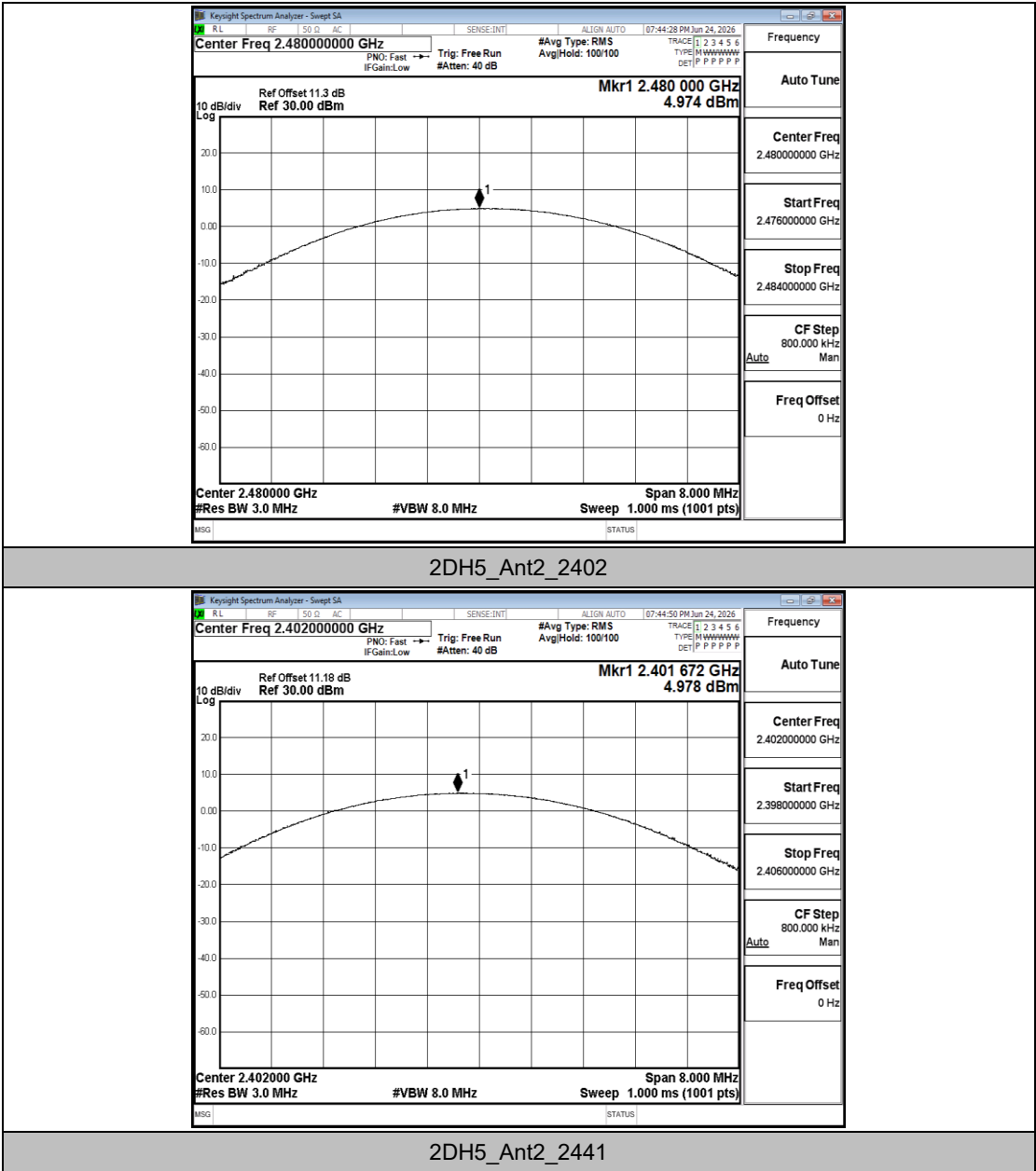
Appendix C: Maximum Peak conducted output power

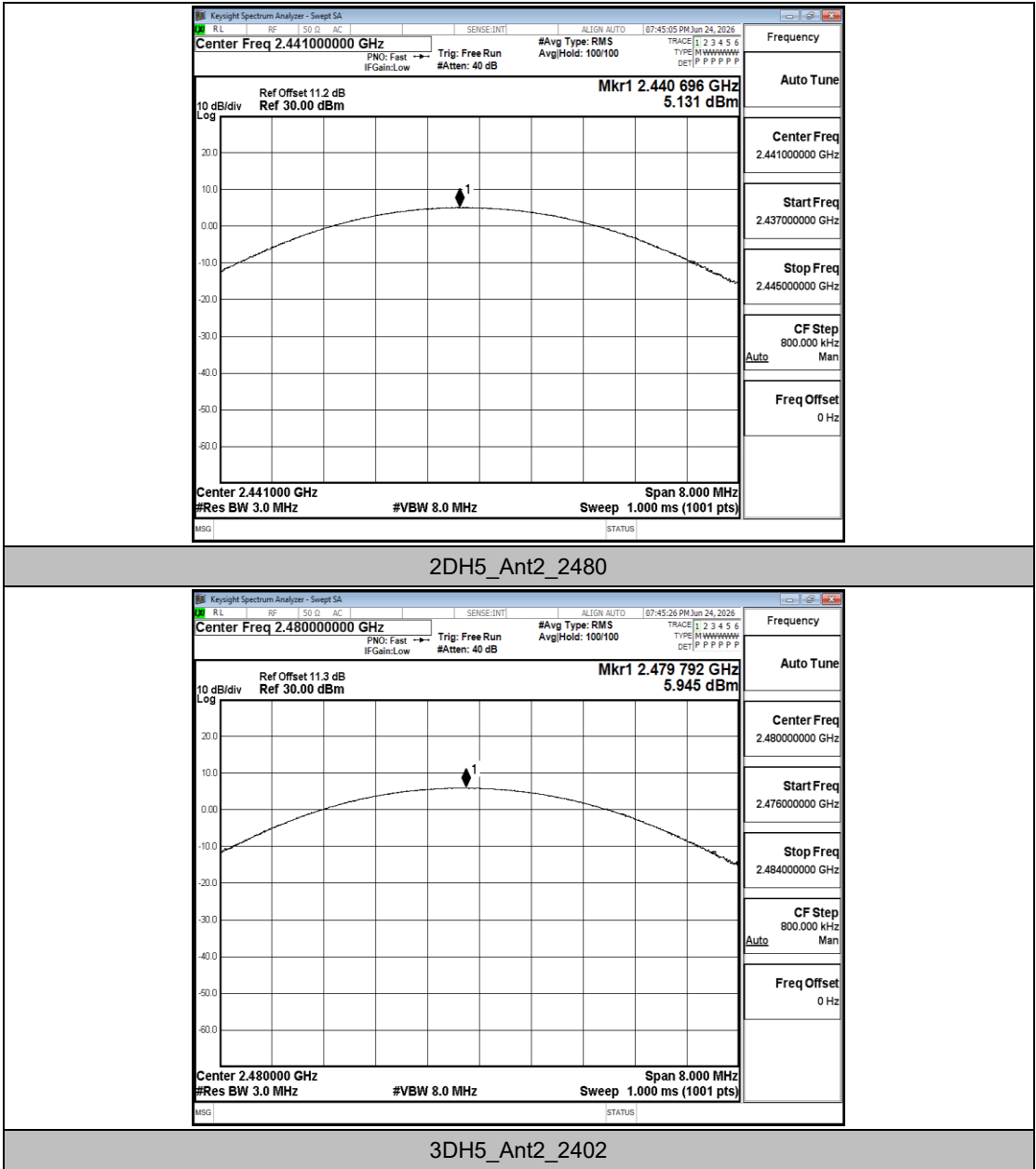
Test Result

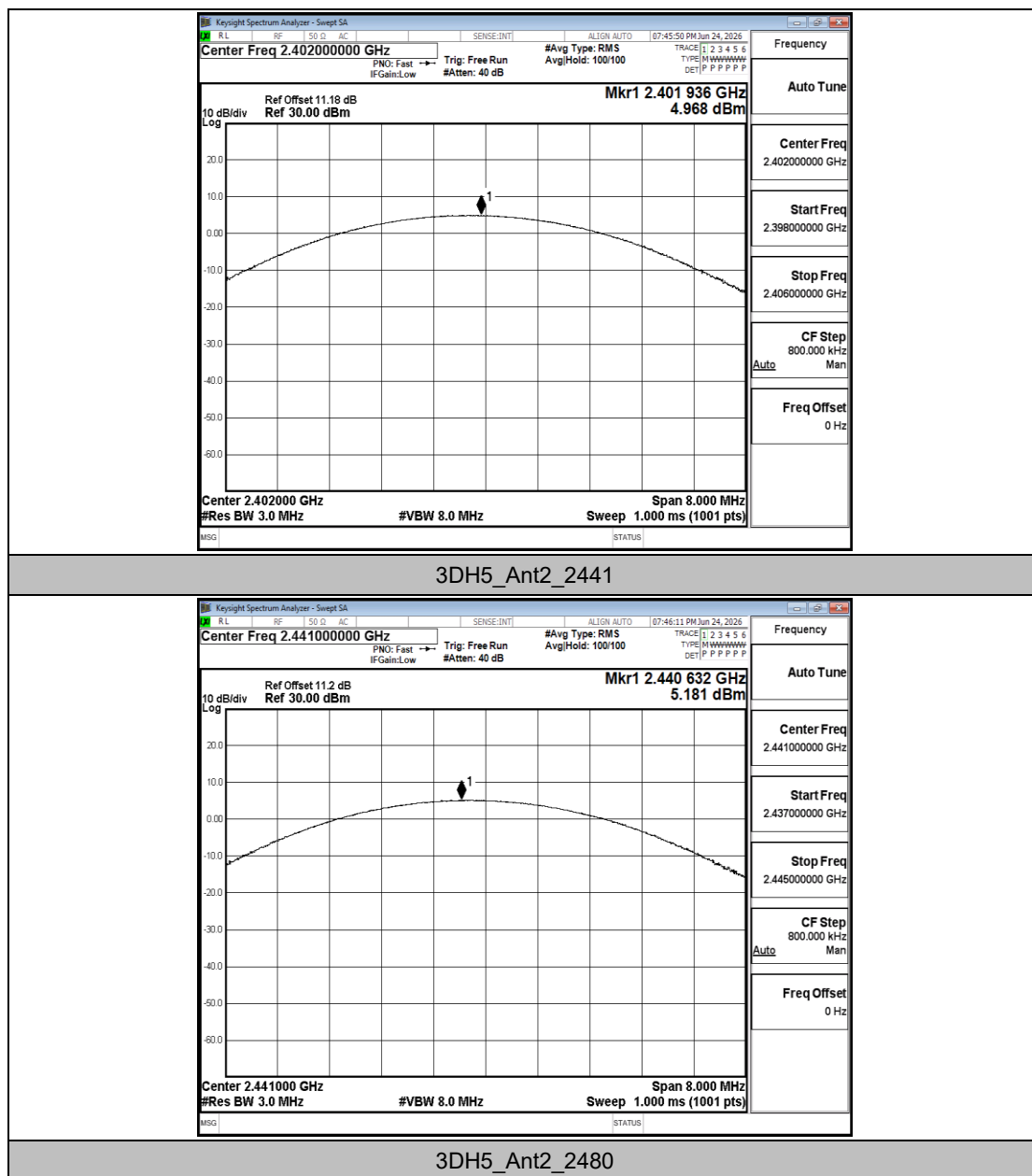
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant2	2402	3.98	≤30	PASS
		2441	4.18	≤30	PASS
		2480	4.97	≤30	PASS
2DH5	Ant2	2402	4.98	≤30	PASS
		2441	5.13	≤30	PASS
		2480	5.95	≤30	PASS
3DH5	Ant2	2402	4.97	≤30	PASS
		2441	5.18	≤30	PASS
		2480	5.95	≤30	PASS

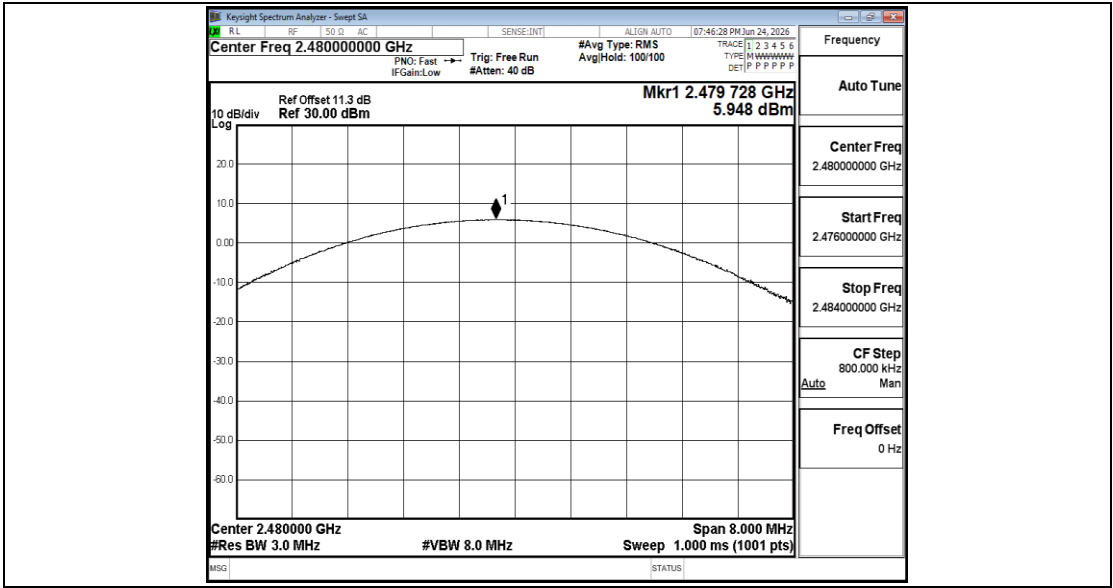
Test Graphs









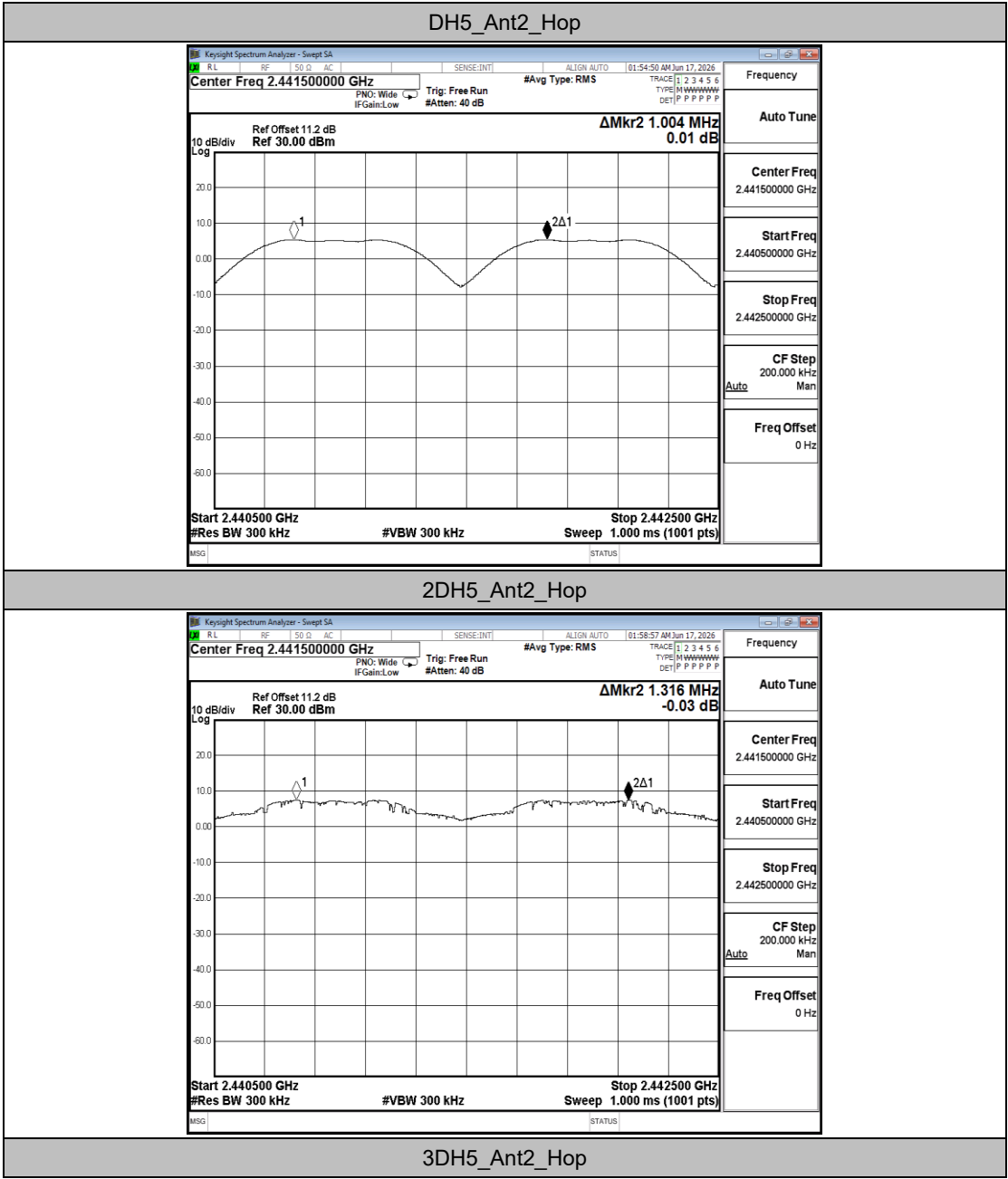


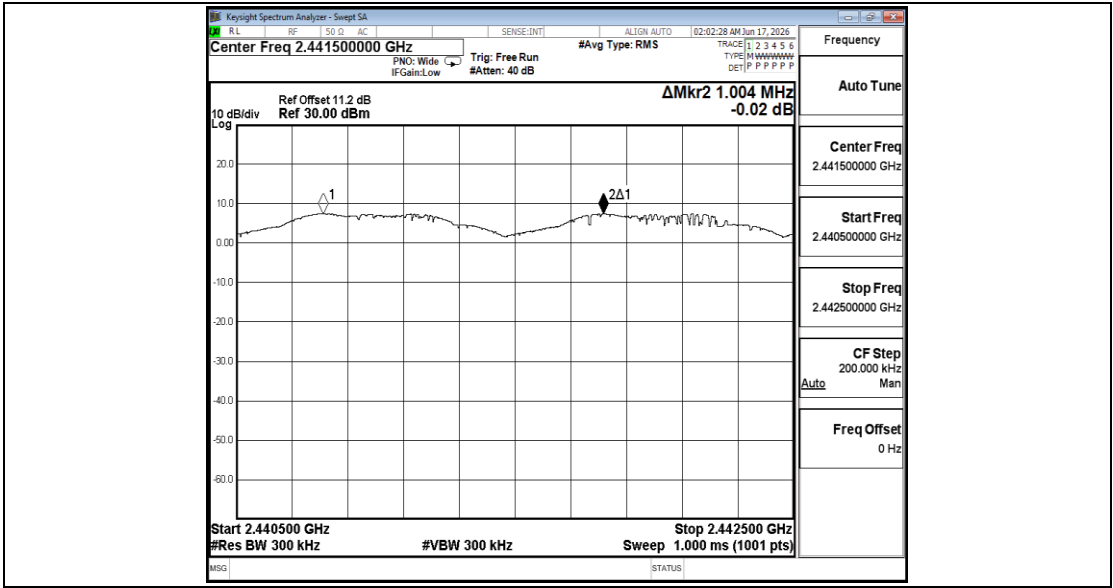
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant2	Hop	1.004	≥0.692	PASS
2DH5	Ant2	Hop	1.316	≥0.898	PASS
3DH5	Ant2	Hop	1.004	≥0.862	PASS

Test Graphs



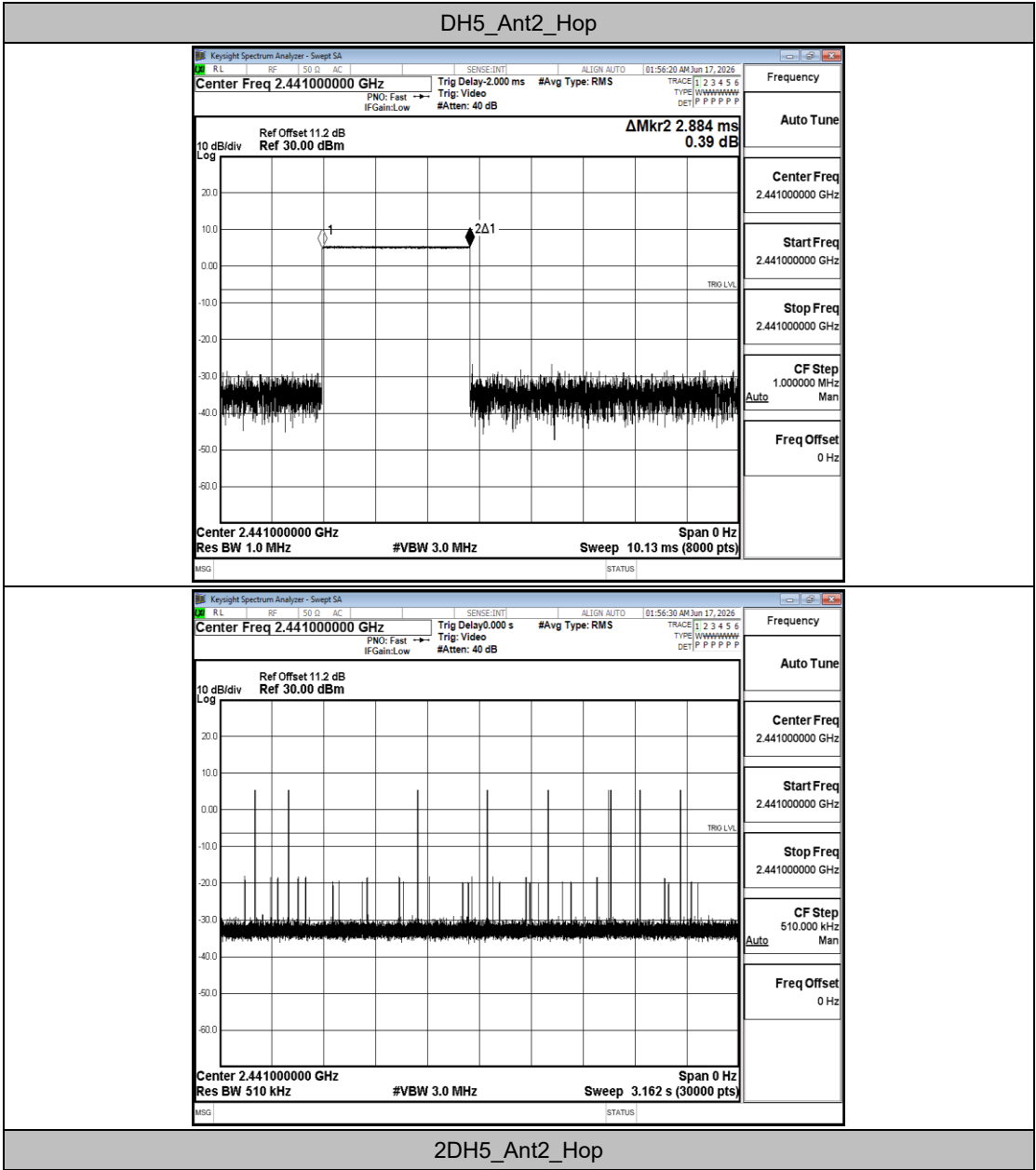


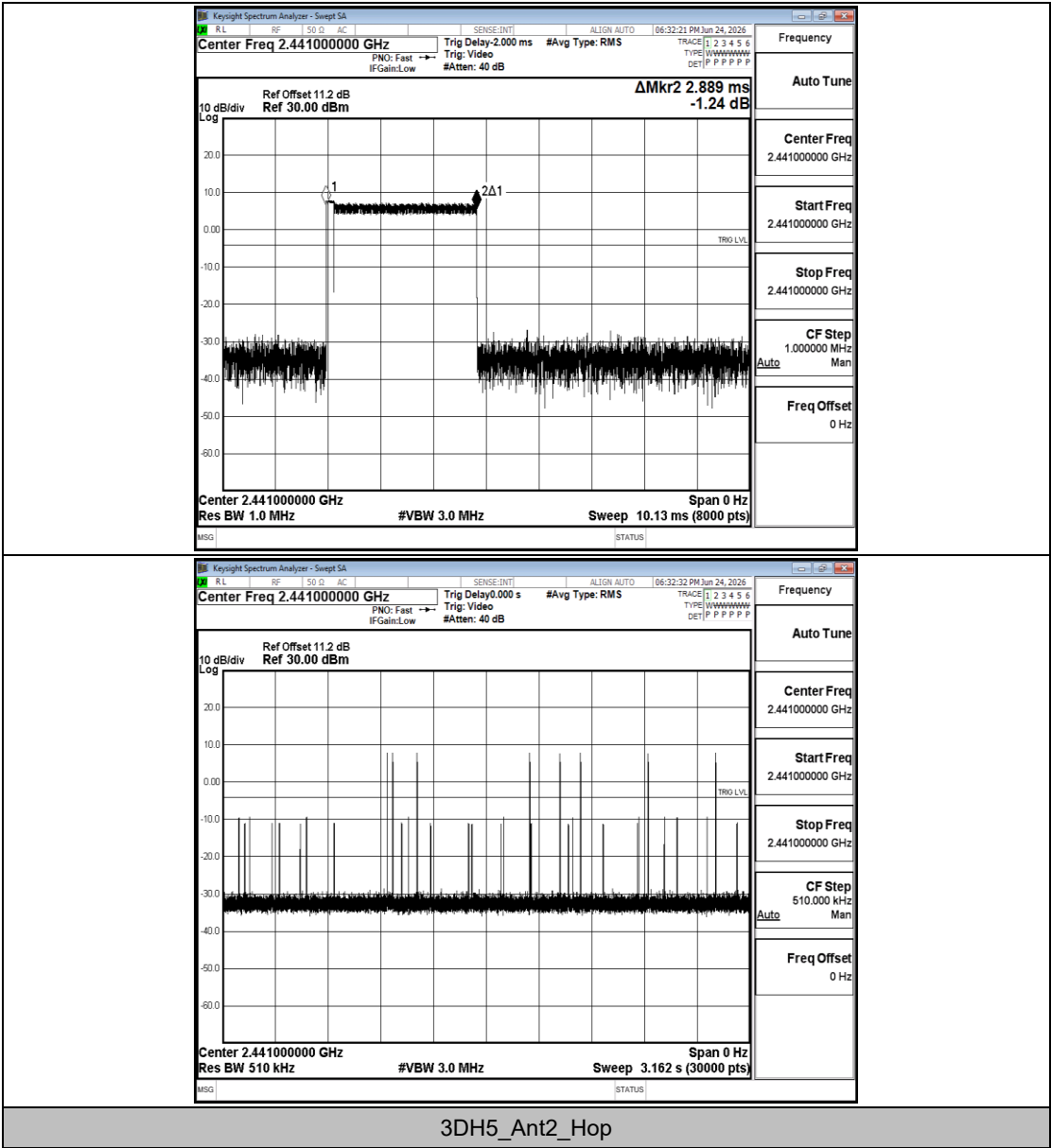
A.4 Time of occupancy

Test Result

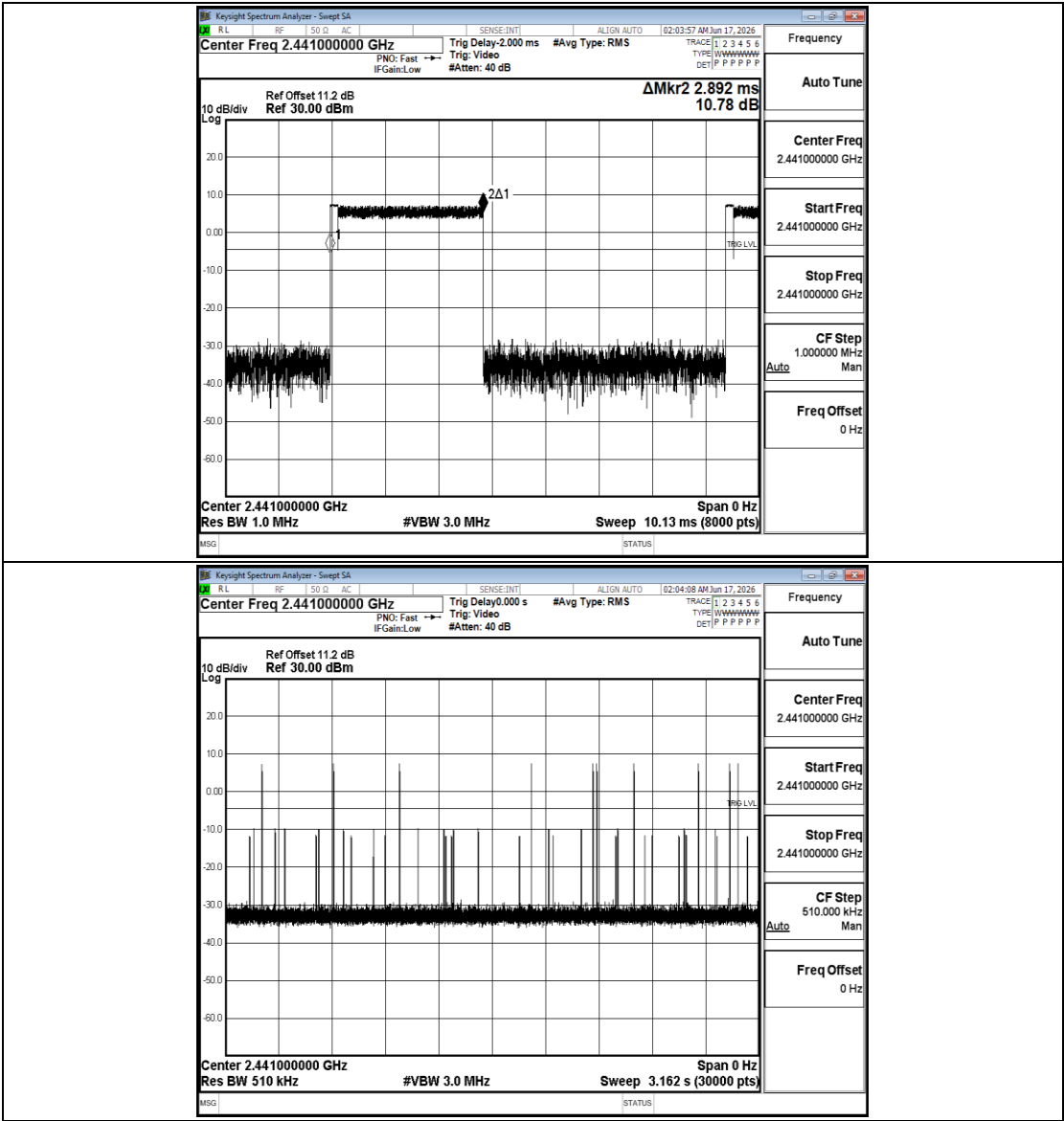
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant2	Hop	2.884	110	0.317	≤0.4	PASS
2DH5	Ant2	Hop	2.889	90	0.26	≤0.4	PASS
3DH5	Ant2	Hop	2.892	110	0.318	≤0.4	PASS

Test Graphs





3DH5_Ant2_Hop

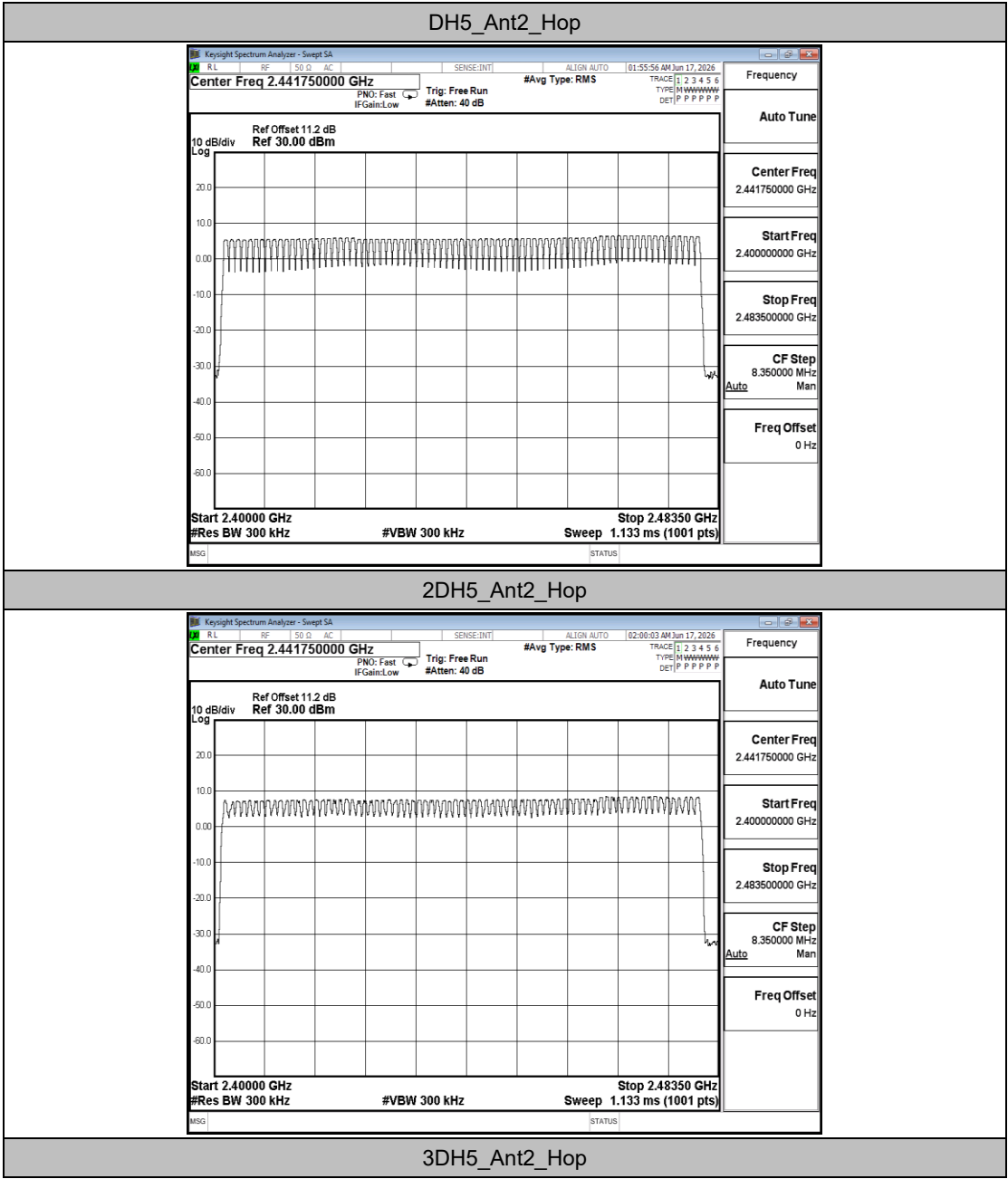


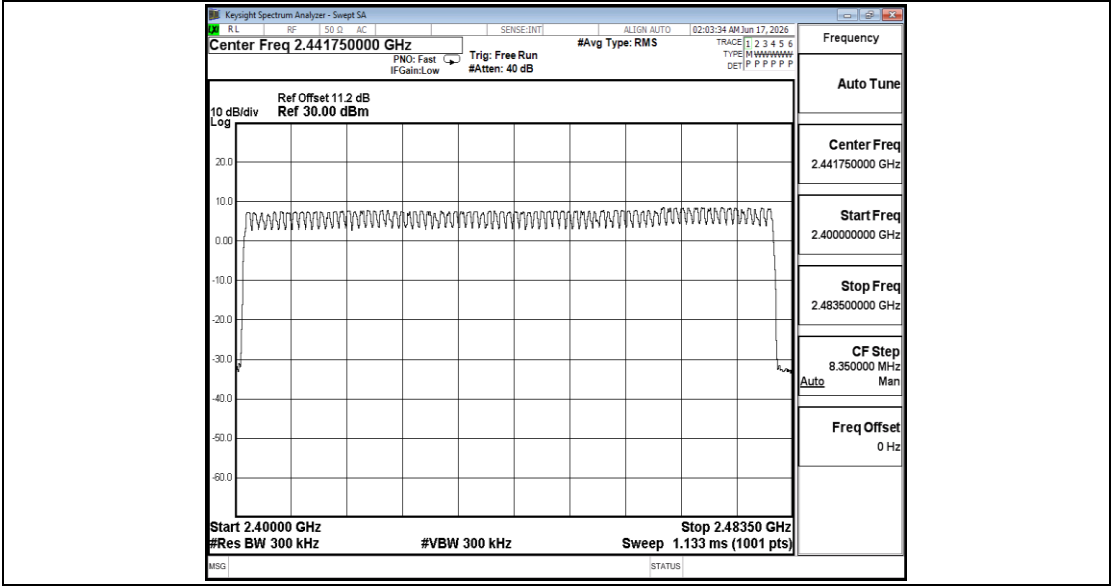
A.5 Number of hopping channels

Test Result

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



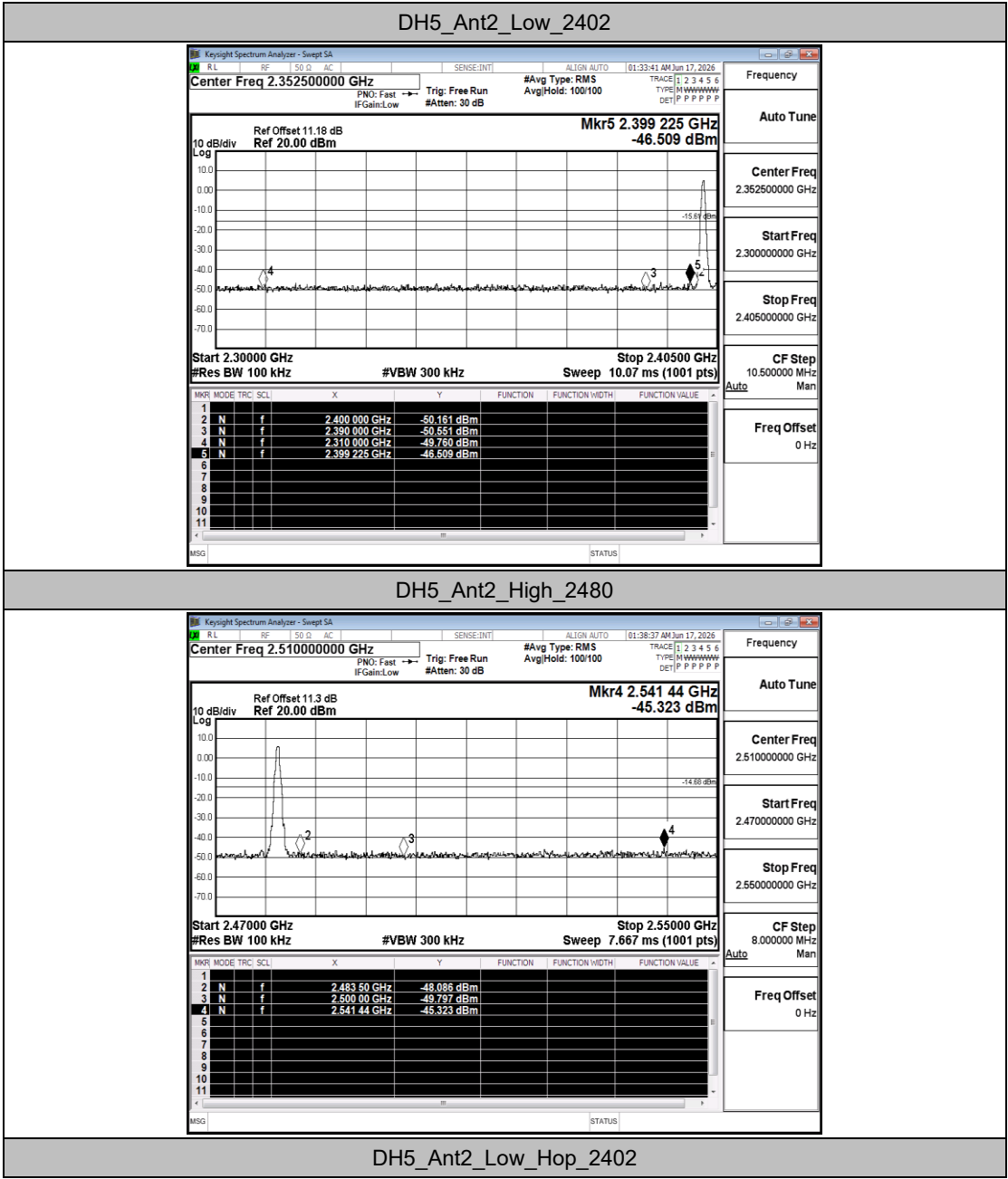


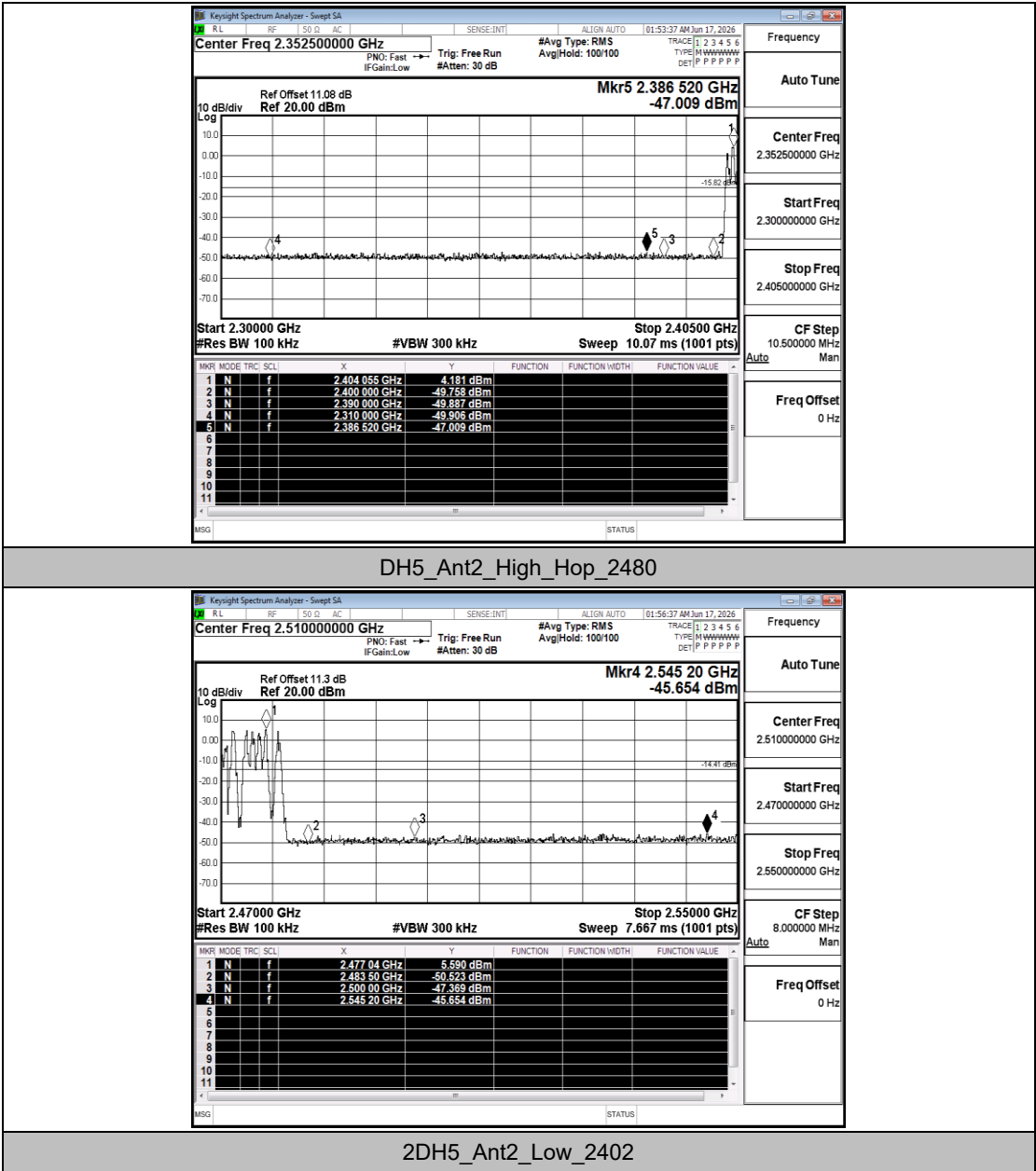
A.6 Band edge measurements

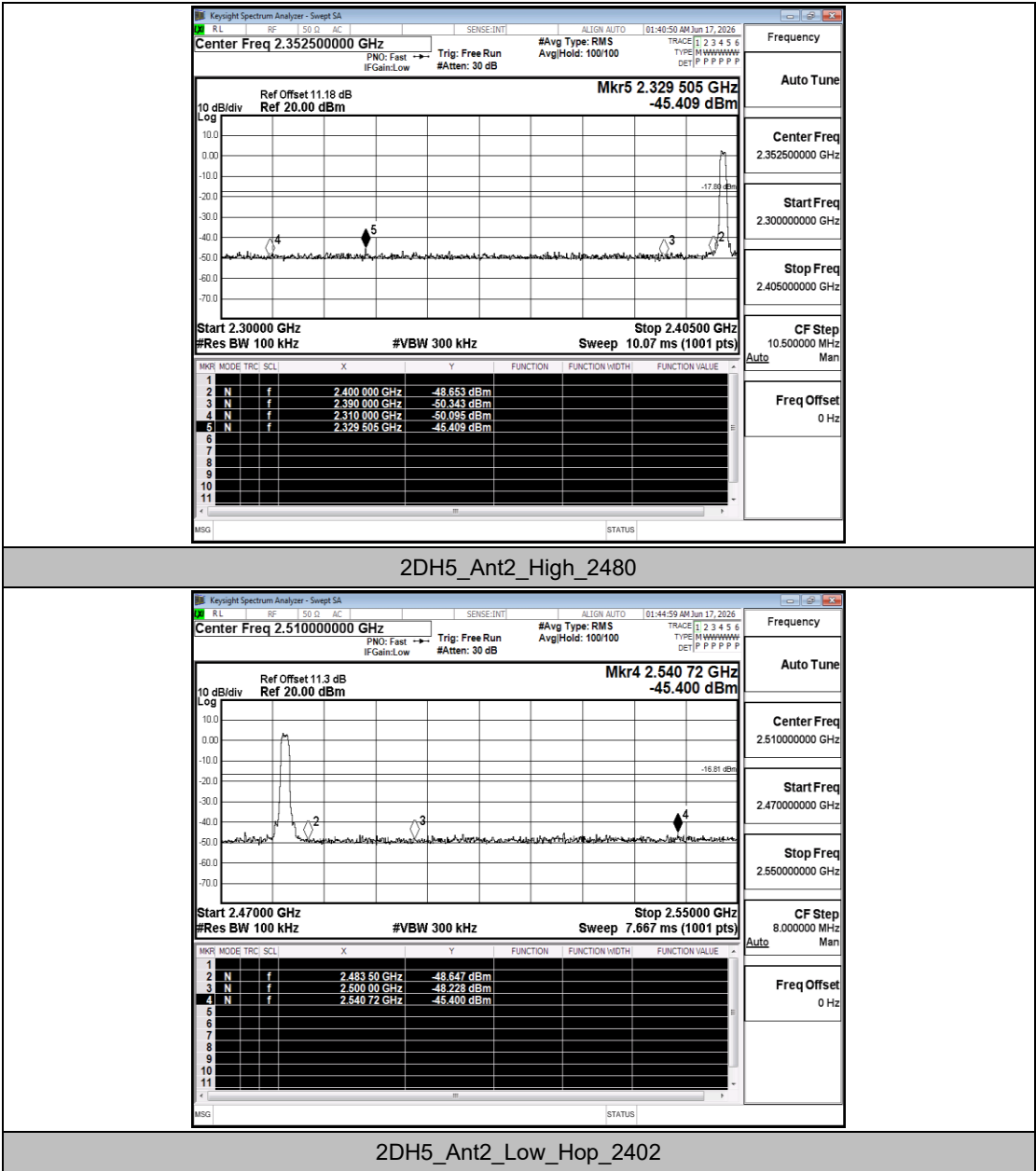
Test Result

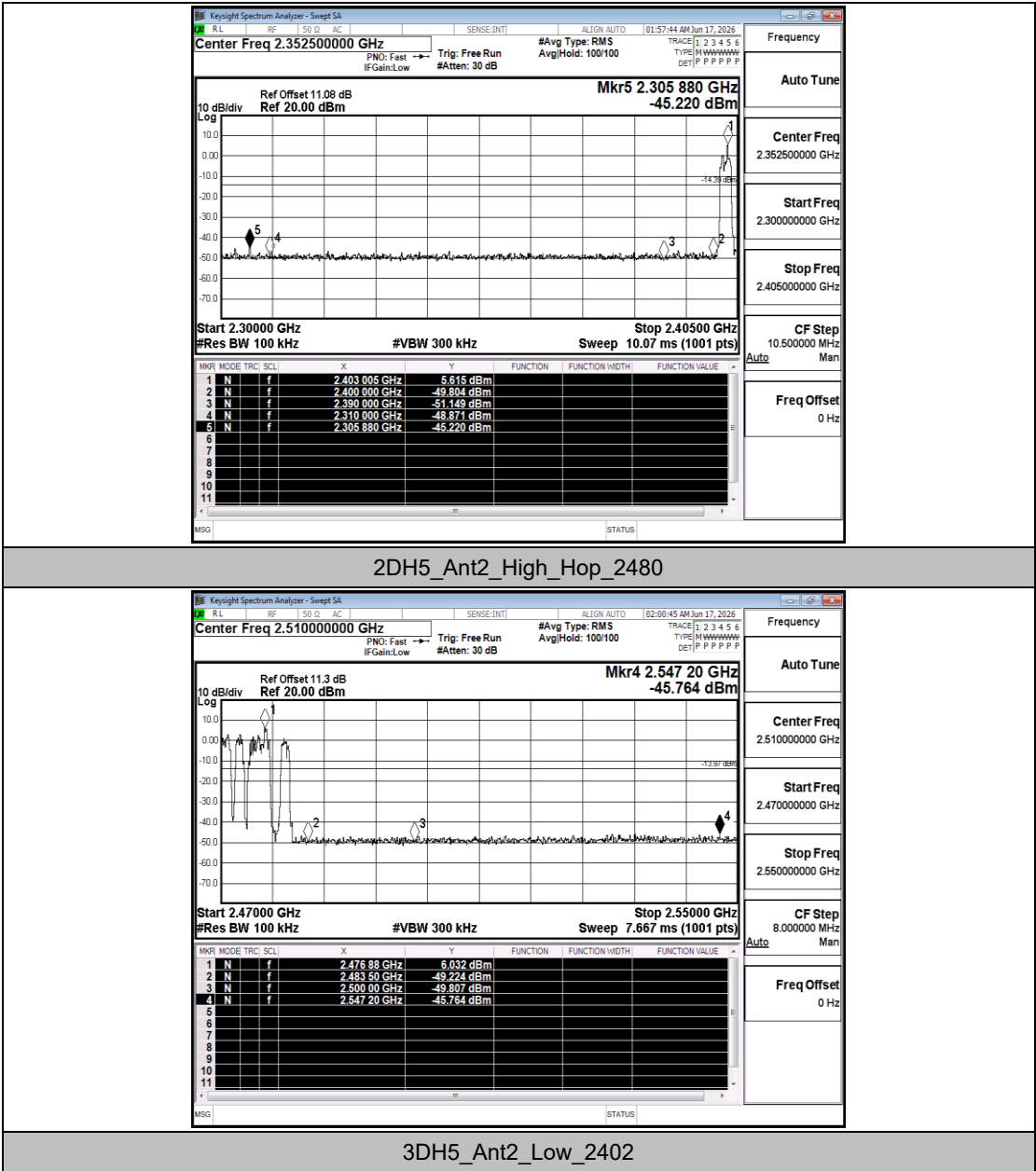
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	4.39	-46.51	≤ -15.61	PASS
		High	2480	5.32	-45.32	≤ -14.68	PASS
		Low	Hop_2402	4.18	-47.01	≤ -15.82	PASS
		High	Hop_2480	5.59	-45.65	≤ -14.41	PASS
2DH5	Ant2	Low	2402	2.20	-45.41	≤ -17.8	PASS
		High	2480	3.19	-45.4	≤ -16.81	PASS
		Low	Hop_2402	5.62	-45.22	≤ -14.39	PASS
		High	Hop_2480	6.03	-45.76	≤ -13.97	PASS
3DH5	Ant2	Low	2402	2.16	-46.21	≤ -17.84	PASS
		High	2480	3.13	-45.41	≤ -16.87	PASS
		Low	Hop_2402	0.12	-46.39	≤ -19.88	PASS
		High	Hop_2480	5.59	-45.56	≤ -14.41	PASS

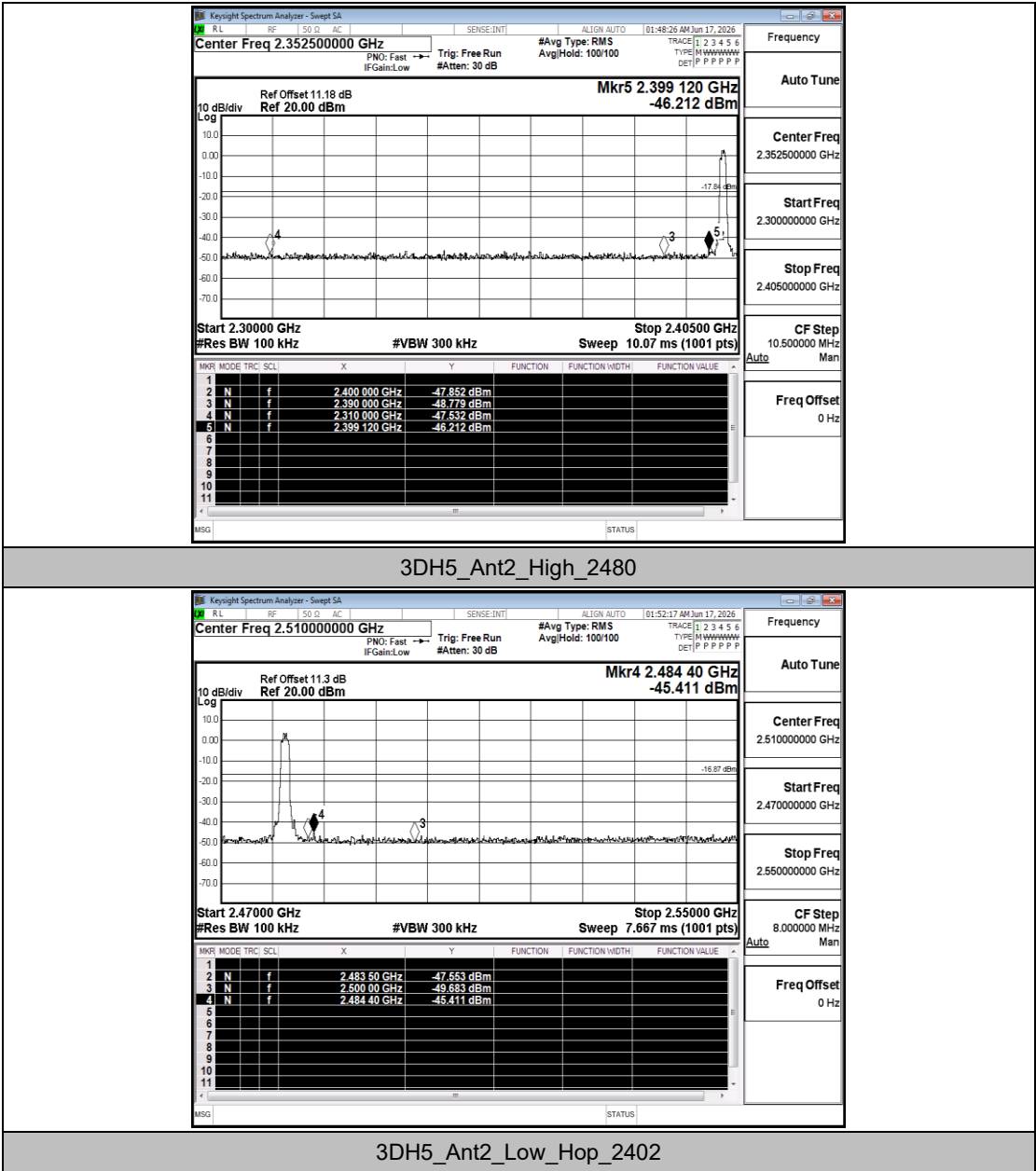
Test Graphs

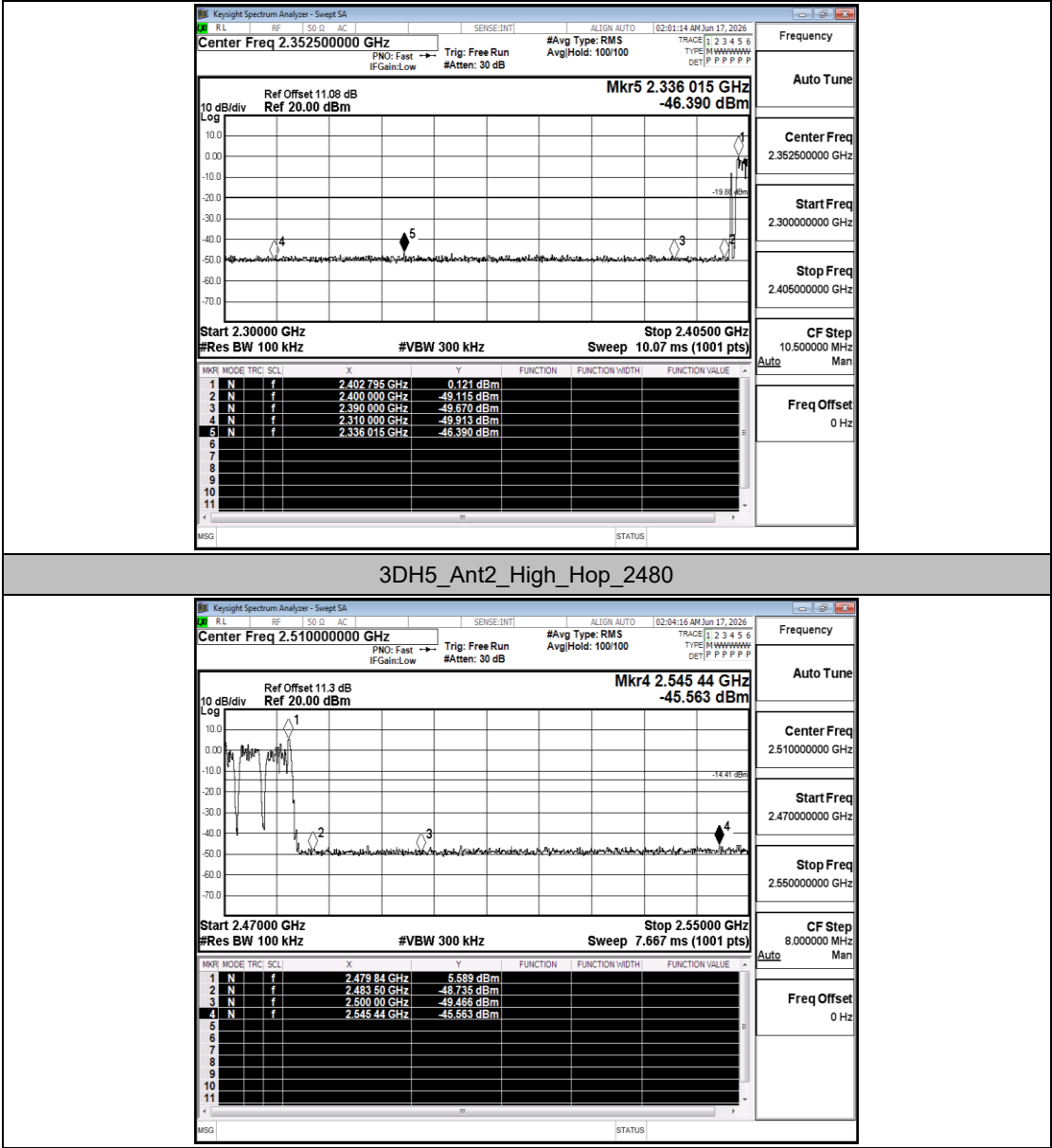












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	2402	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-70	≤-15.59	PASS
			1000~26500	4.41	-44.08	≤-15.59	PASS
		2441	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-69.93	≤-15.47	PASS
			1000~26500	4.53	-44.11	≤-15.47	PASS
		2480	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-70.05	≤-14.64	PASS
			1000~26500	5.36	-42.73	≤-14.64	PASS
2DH5	Ant2	2402	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-70.3	≤-17.74	PASS
			1000~26500	2.26	-44.06	≤-17.74	PASS
		2441	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-69.48	≤-17.61	PASS
			1000~26500	2.39	-44.4	≤-17.61	PASS
		2480	Reference	3.26	3.26	---	PASS
			30~1000	3.26	-69.44	≤-16.74	PASS
			1000~26500	3.26	-44.43	≤-16.74	PASS
3DH5	Ant2	2402	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-69.43	≤-17.84	PASS
			1000~26500	2.16	-45.22	≤-17.84	PASS
		2441	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-69.35	≤-17.71	PASS
			1000~26500	2.29	-44.52	≤-17.71	PASS
		2480	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-68.68	≤-16.86	PASS
			1000~26500	3.14	-44.53	≤-16.86	PASS

Test Graphs

