

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Speaker

Test Model: TXBRICKSPK

Environmental Conditions

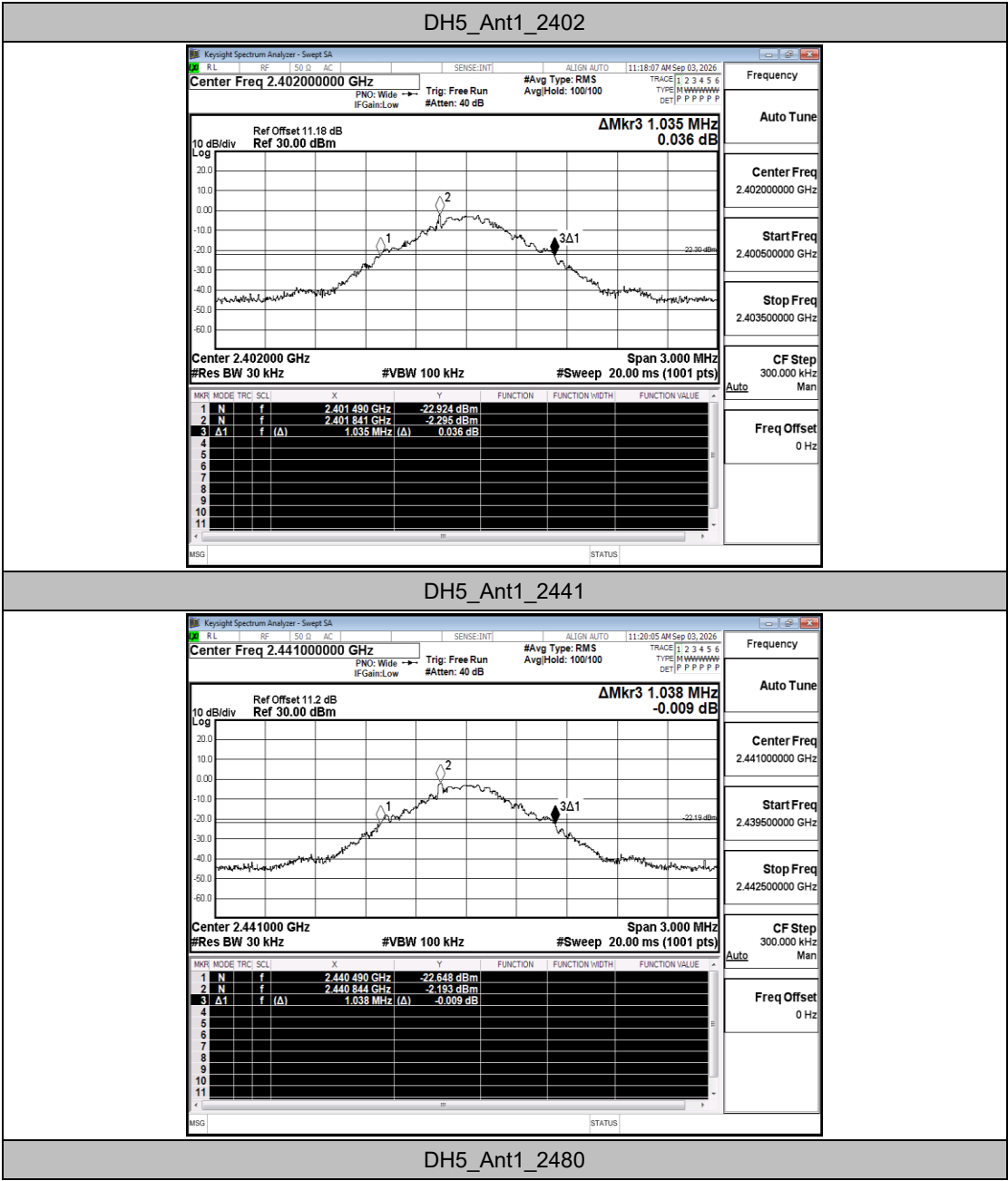
Temperature:	23.5°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

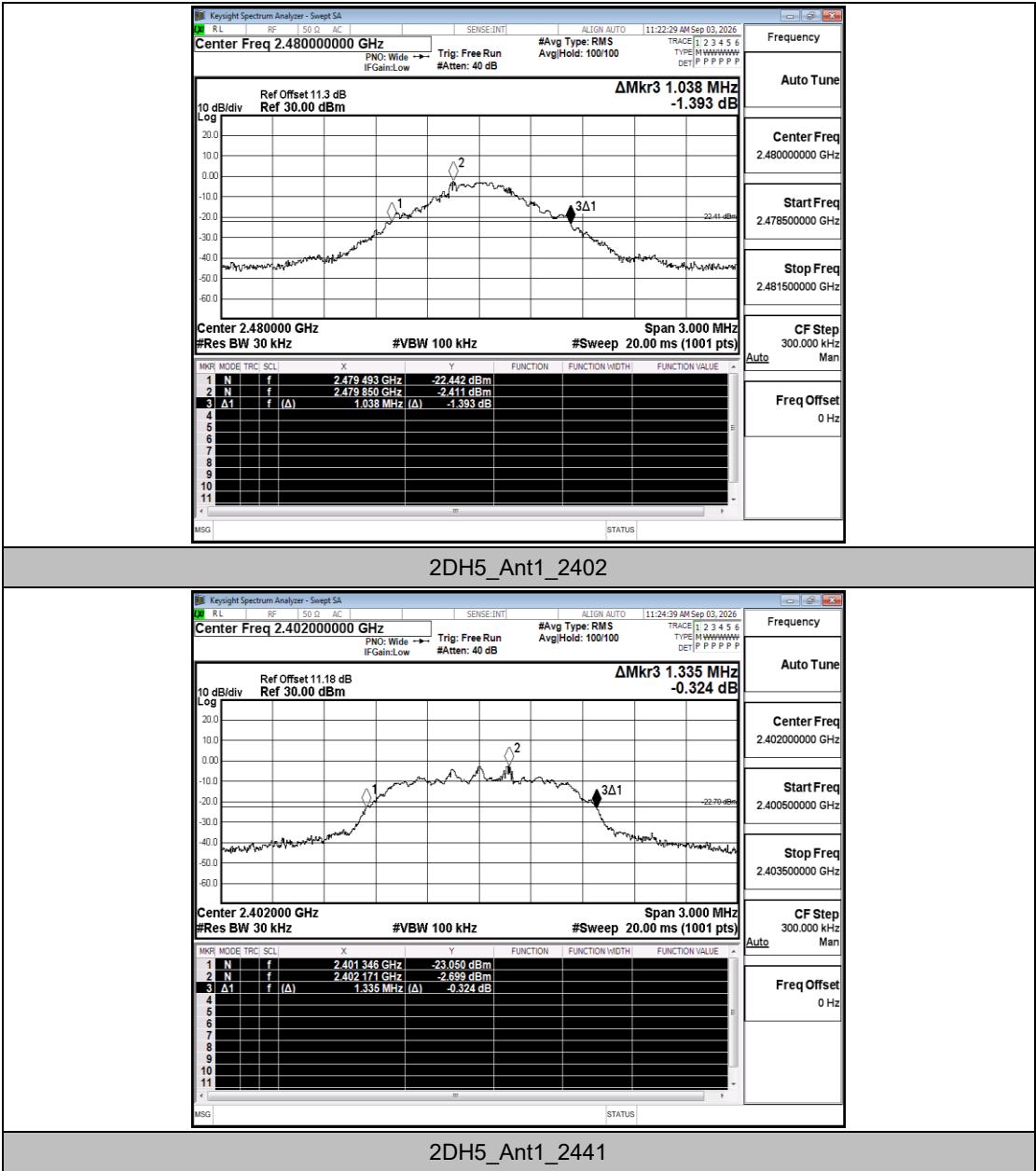
A.1 20dB Emission Bandwidth

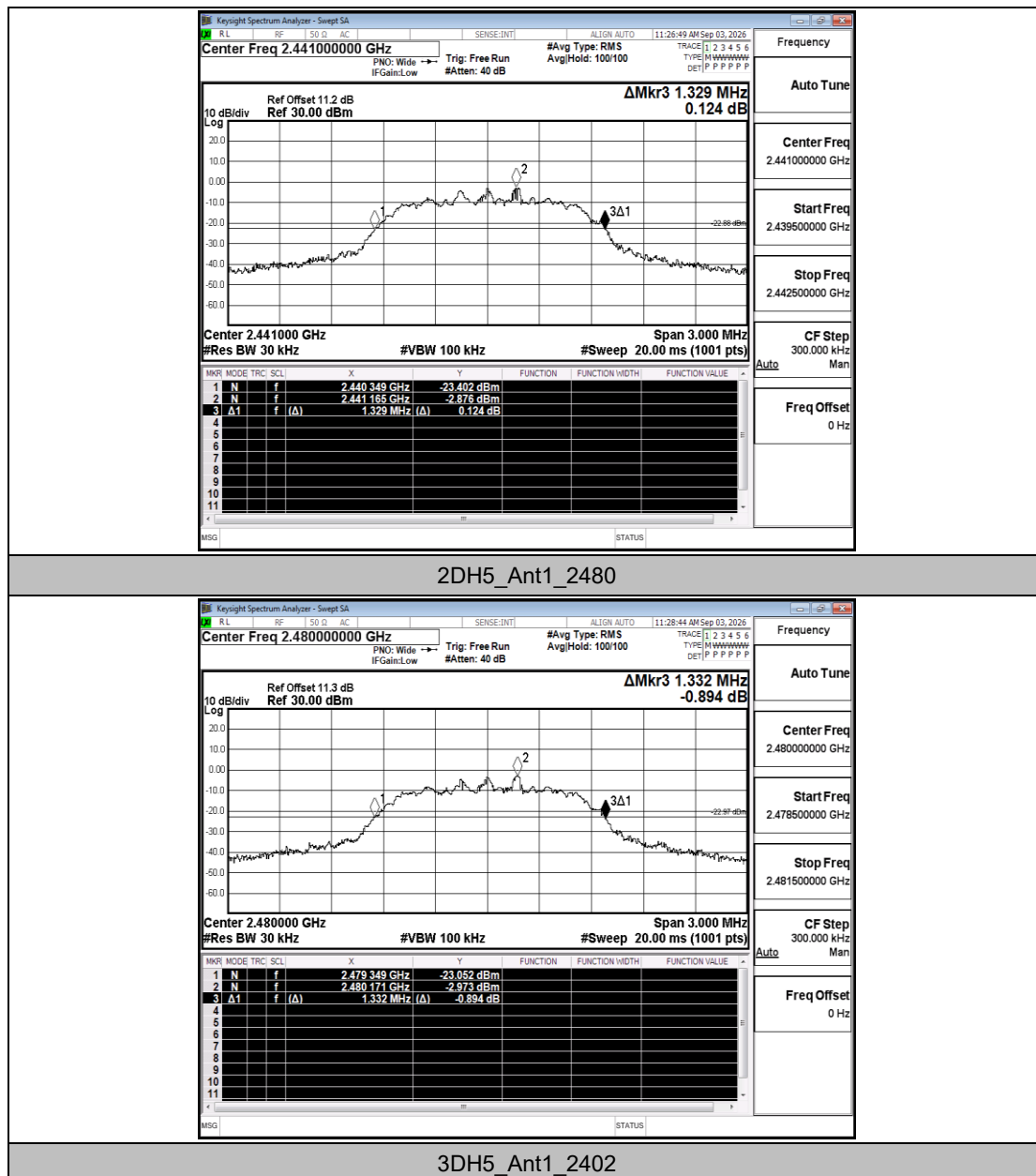
Test Result

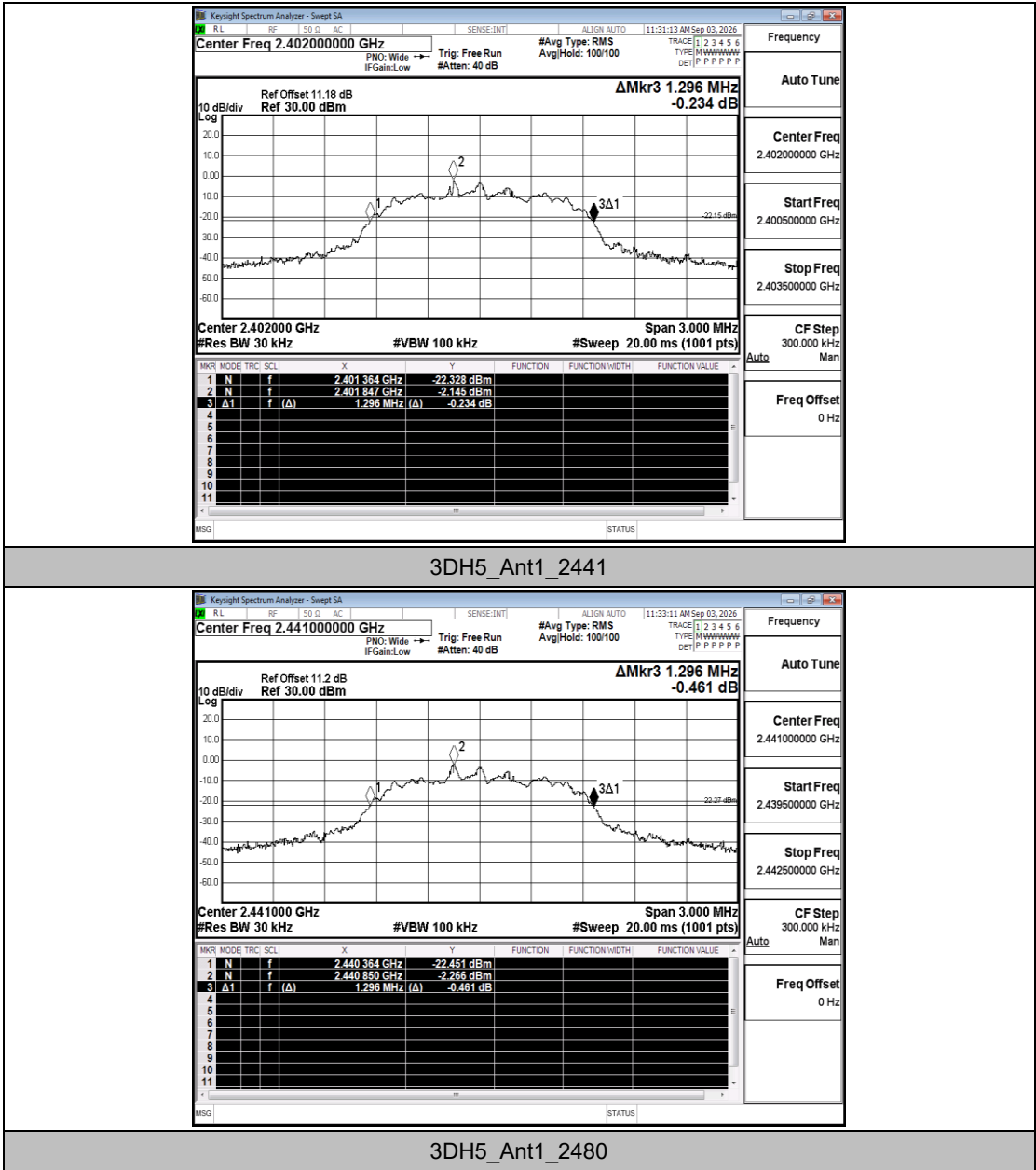
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.035	2401.490	2402.525	---	---
		2441	1.038	2440.490	2441.528	---	---
		2480	1.038	2479.493	2480.531	---	---
2DH5	Ant1	2402	1.335	2401.346	2402.681	---	---
		2441	1.329	2440.349	2441.678	---	---
		2480	1.332	2479.349	2480.681	---	---
3DH5	Ant1	2402	1.296	2401.364	2402.660	---	---
		2441	1.296	2440.364	2441.660	---	---
		2480	1.290	2479.361	2480.651	---	---

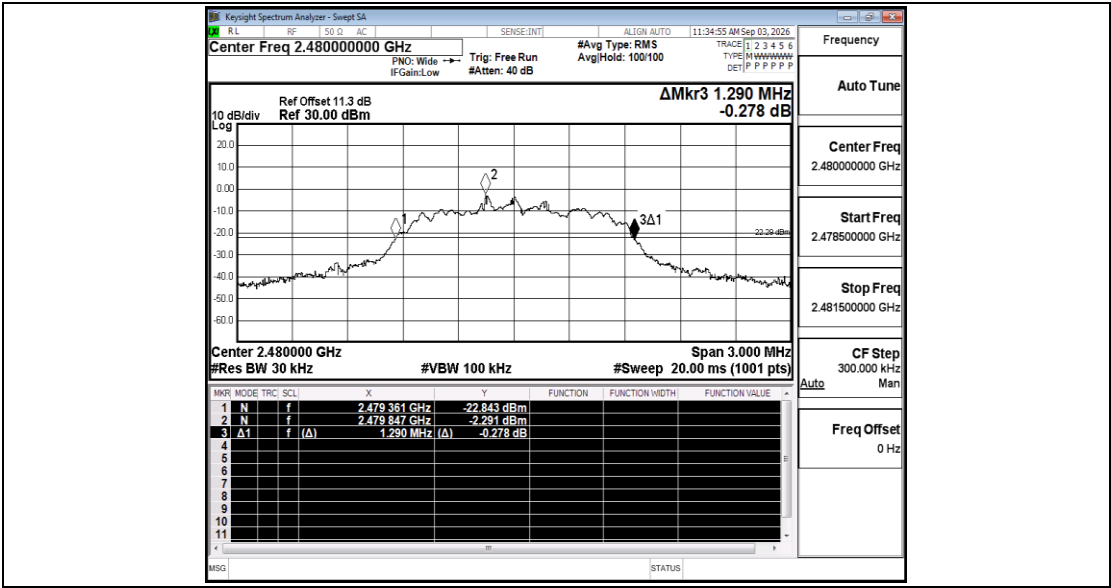
Test Graphs









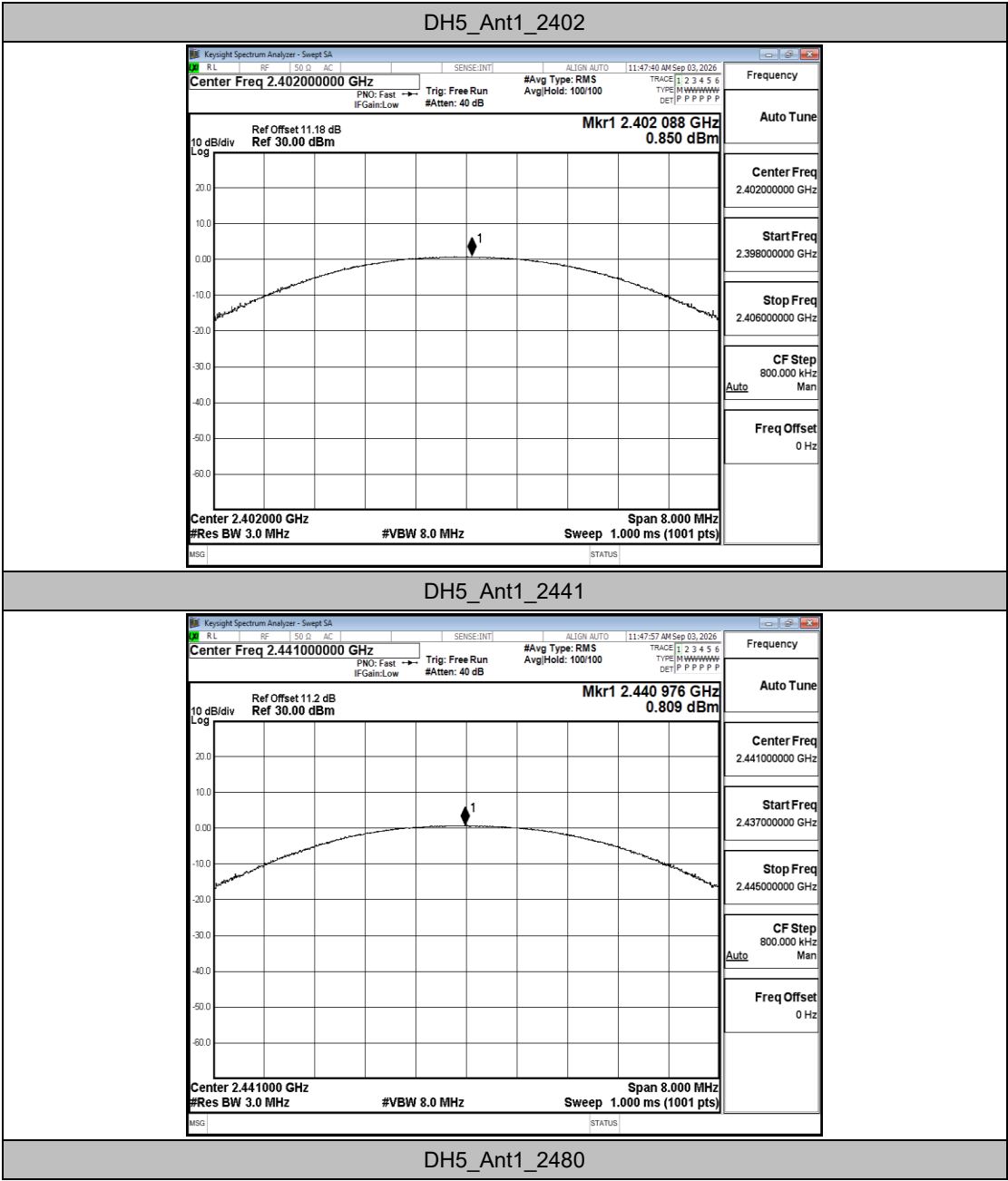


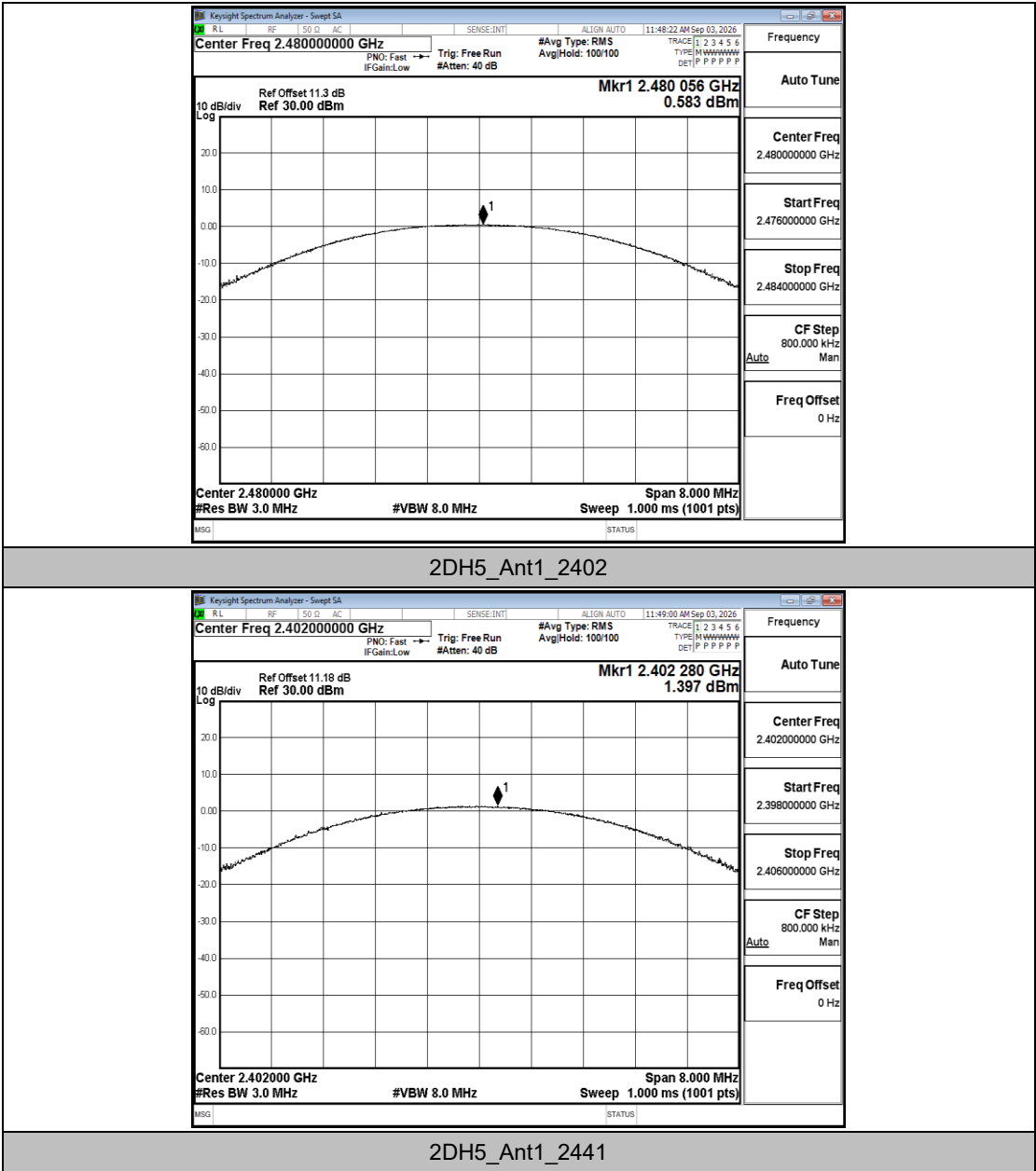
A.2 Maximum Peak conducted output power

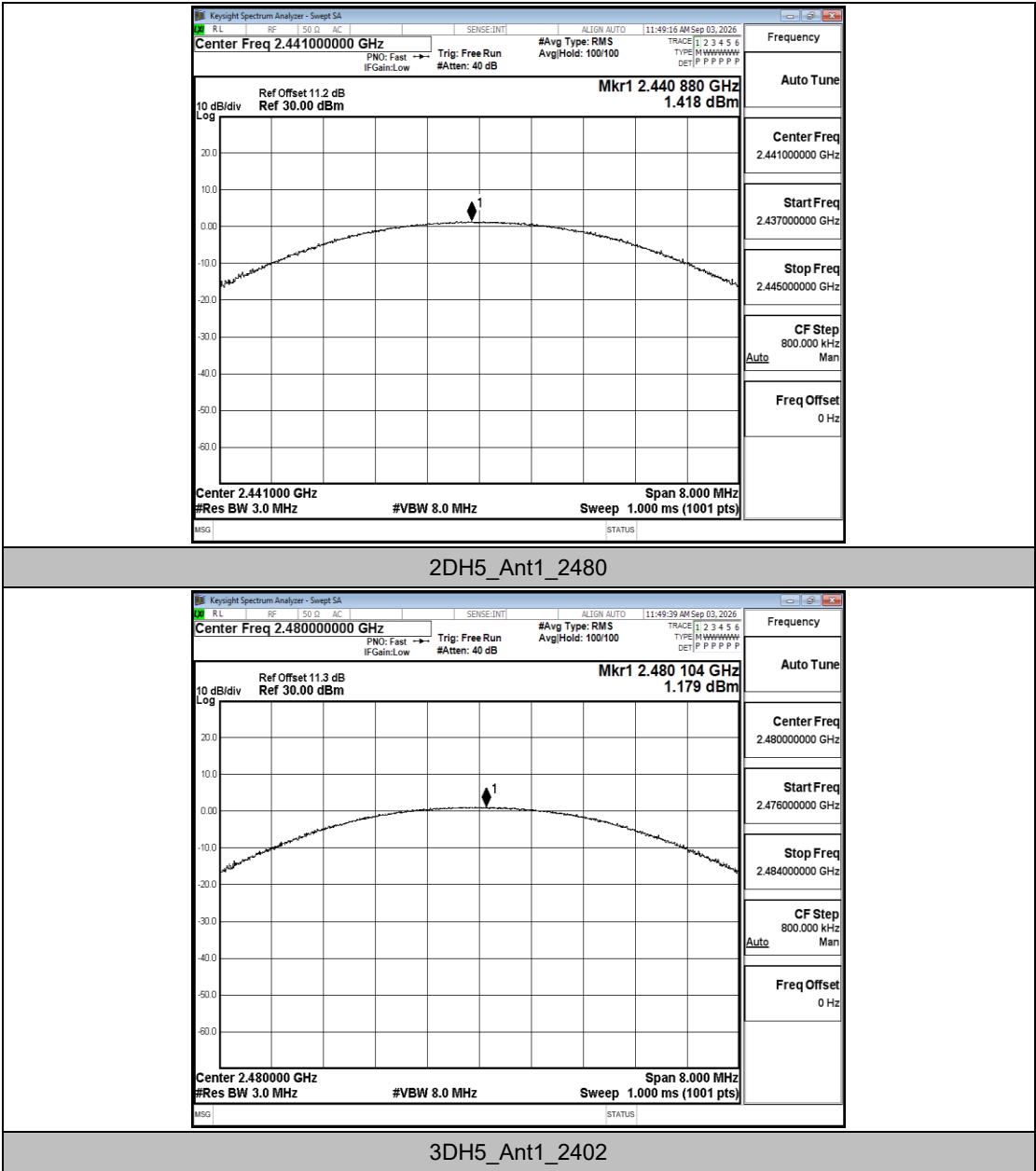
Test Result

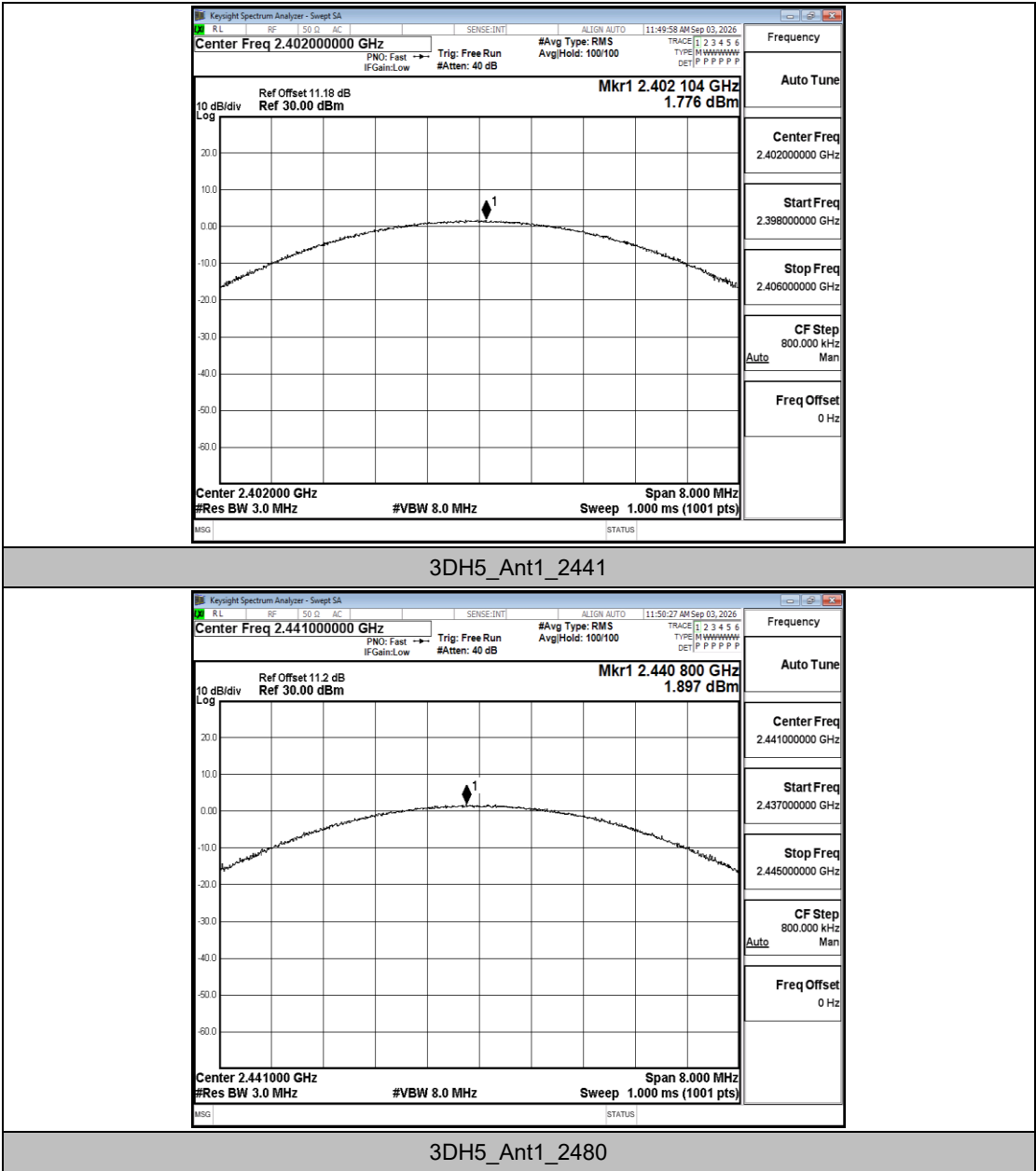
TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.85	≤30	PASS
		2441	0.81	≤30	PASS
		2480	0.58	≤30	PASS
2DH5	Ant1	2402	1.40	≤20.97	PASS
		2441	1.42	≤20.97	PASS
		2480	1.18	≤20.97	PASS
3DH5	Ant1	2402	1.78	≤20.97	PASS
		2441	1.90	≤20.97	PASS
		2480	1.62	≤20.97	PASS

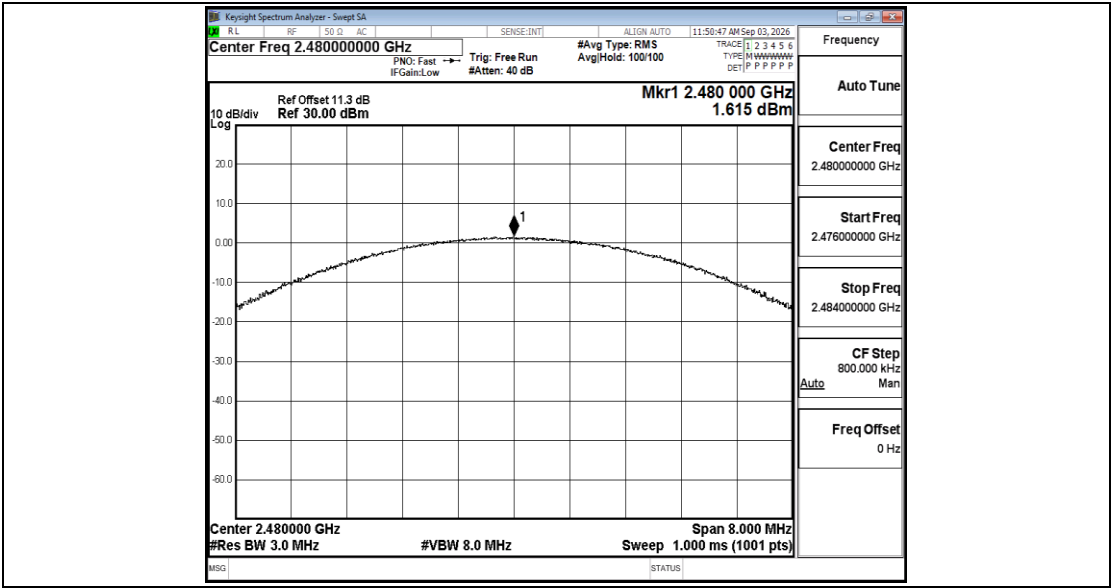
Test Graphs









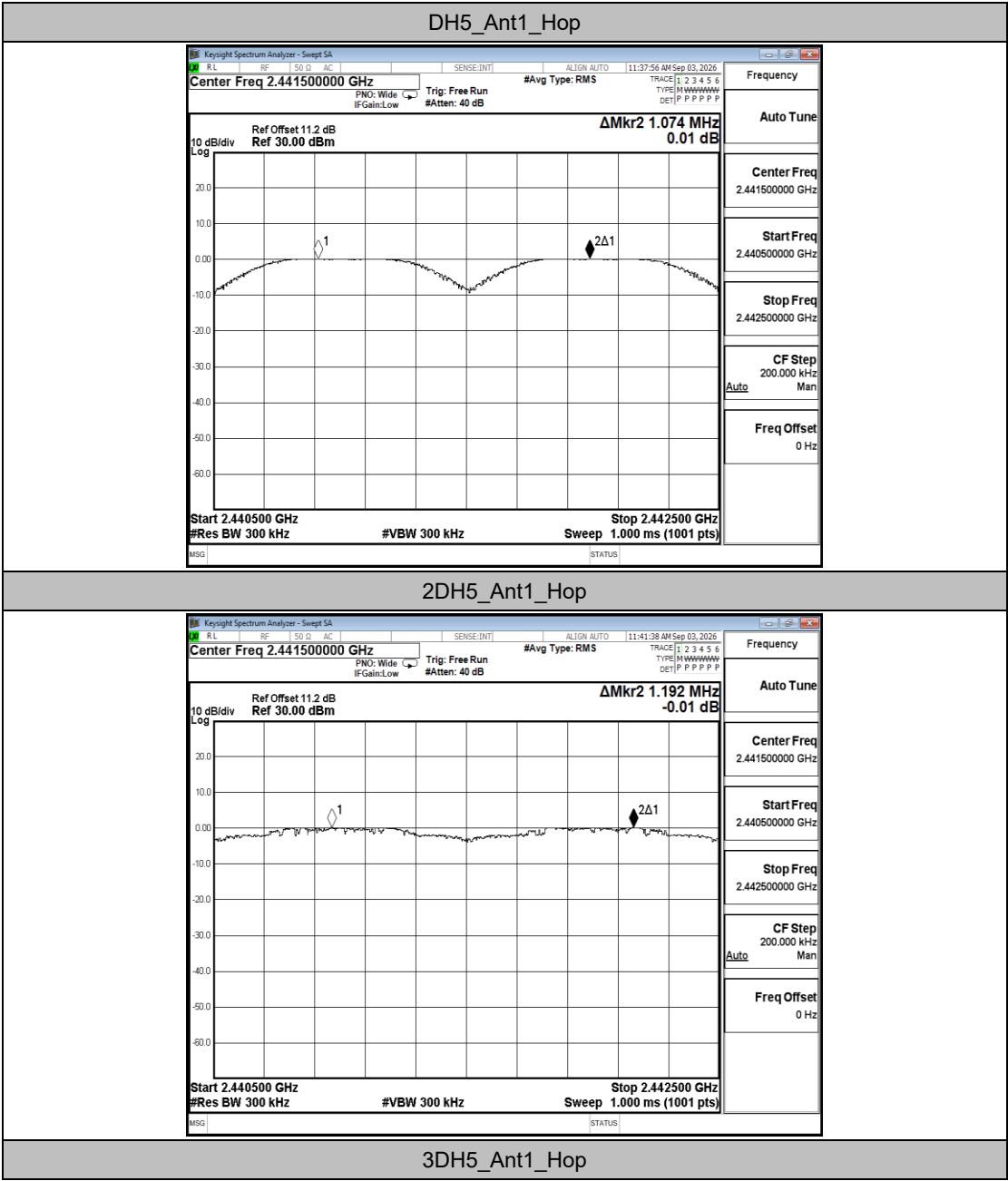


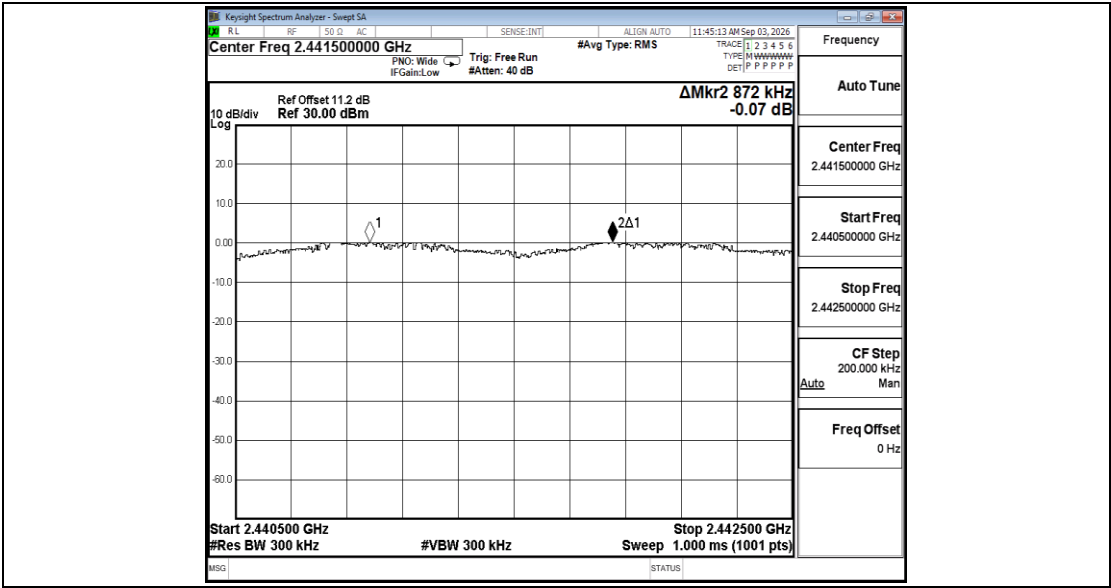
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.074	≥ 1.038	PASS
2DH5	Ant1	Hop	1.192	≥ 0.890	PASS
3DH5	Ant1	Hop	0.872	≥ 0.864	PASS

Test Graphs



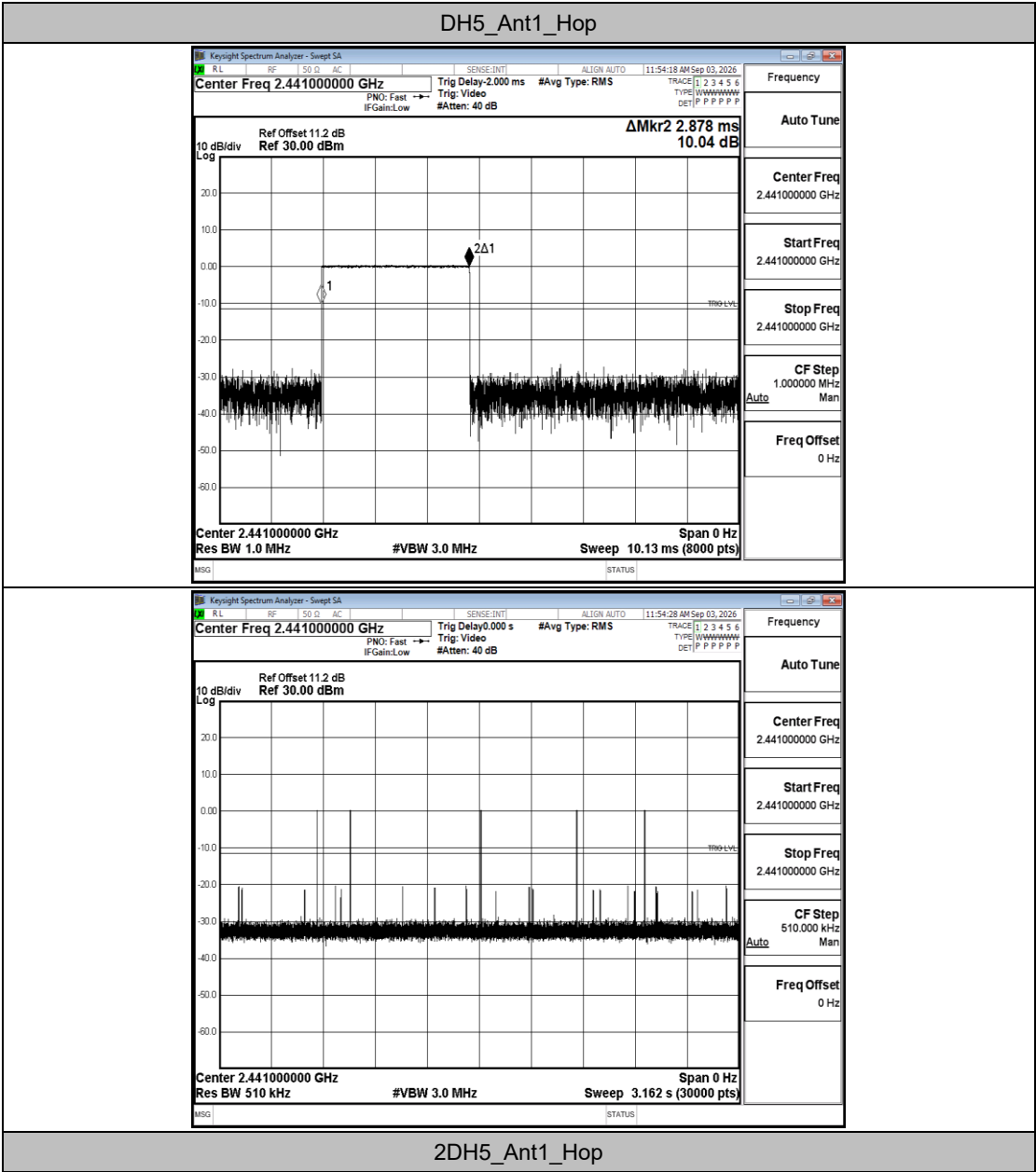


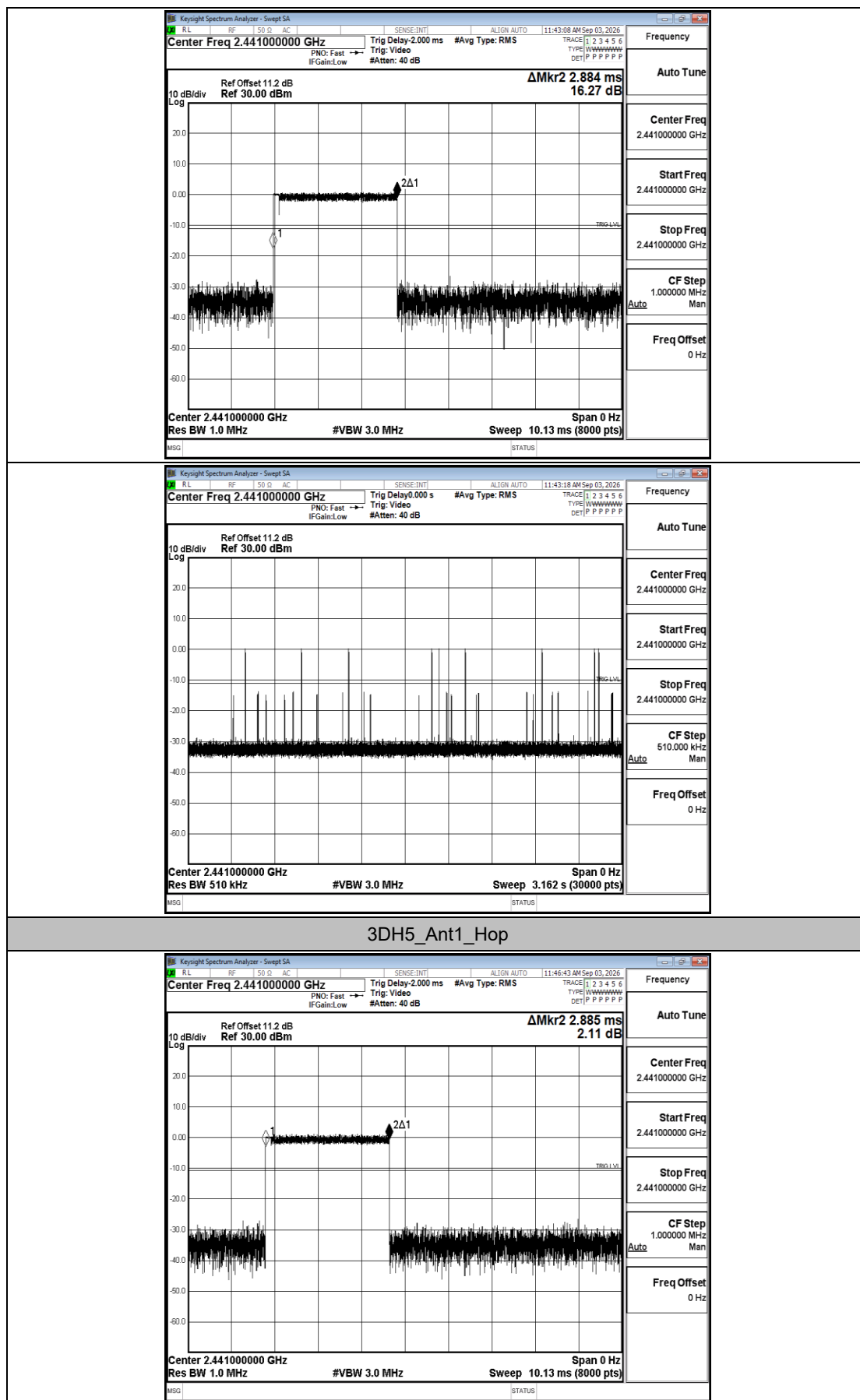
A.4 Time of occupancy

Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	60	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.885	90	0.26	≤0.4	PASS

Test Graphs

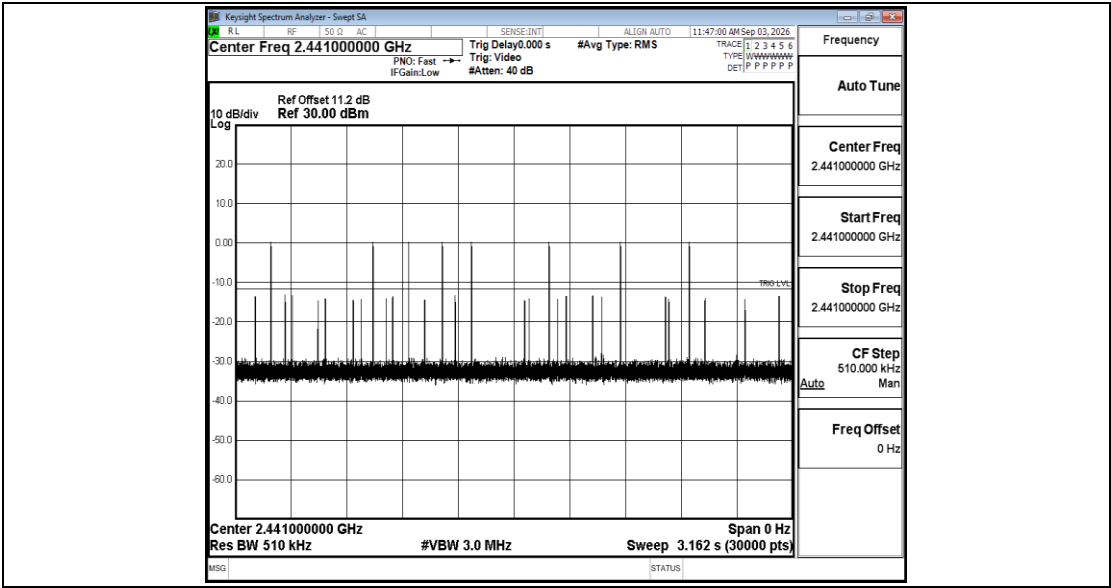




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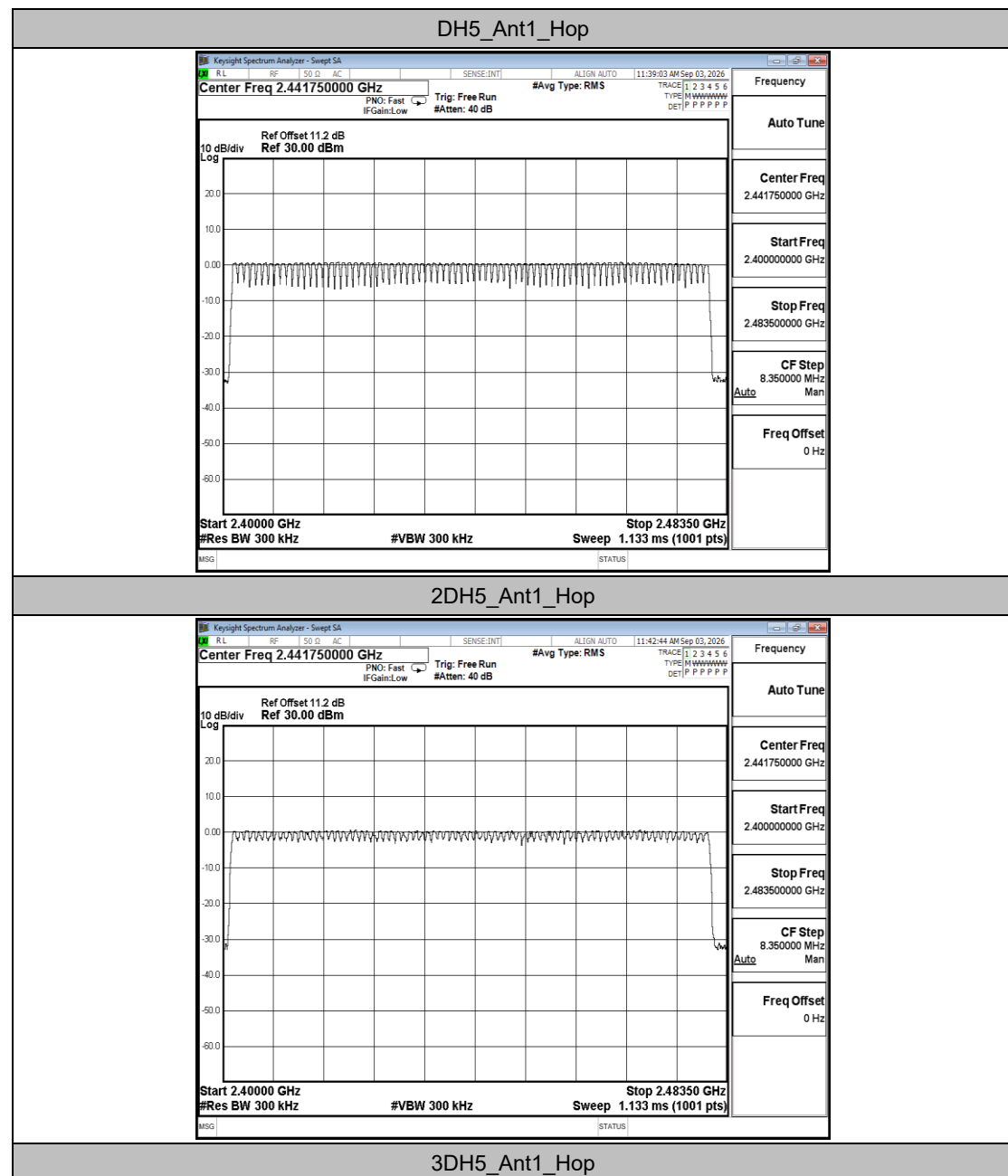


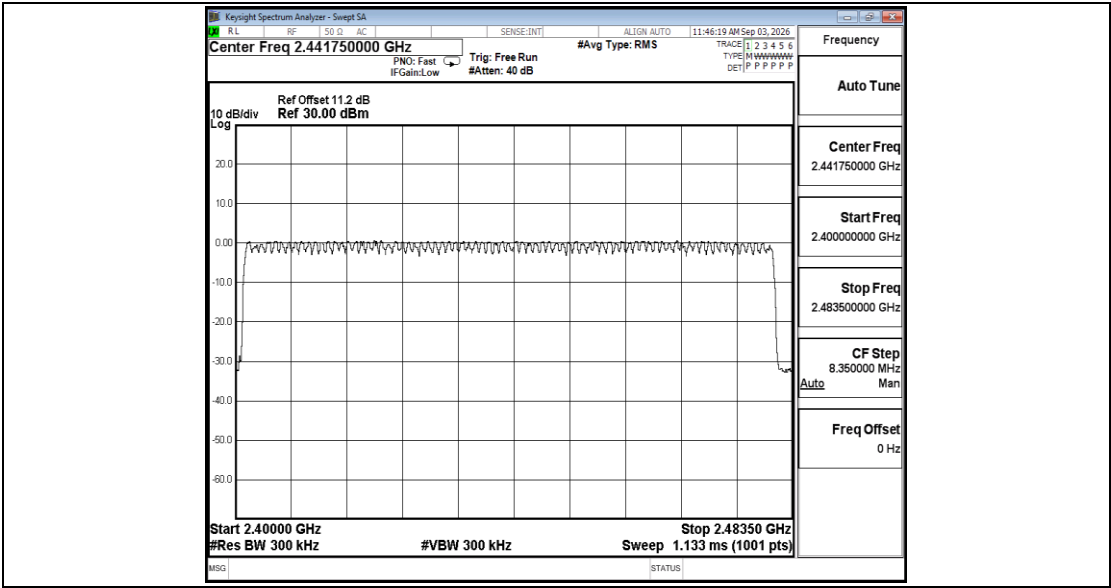
A.5 Number of hopping channels

Test Result

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



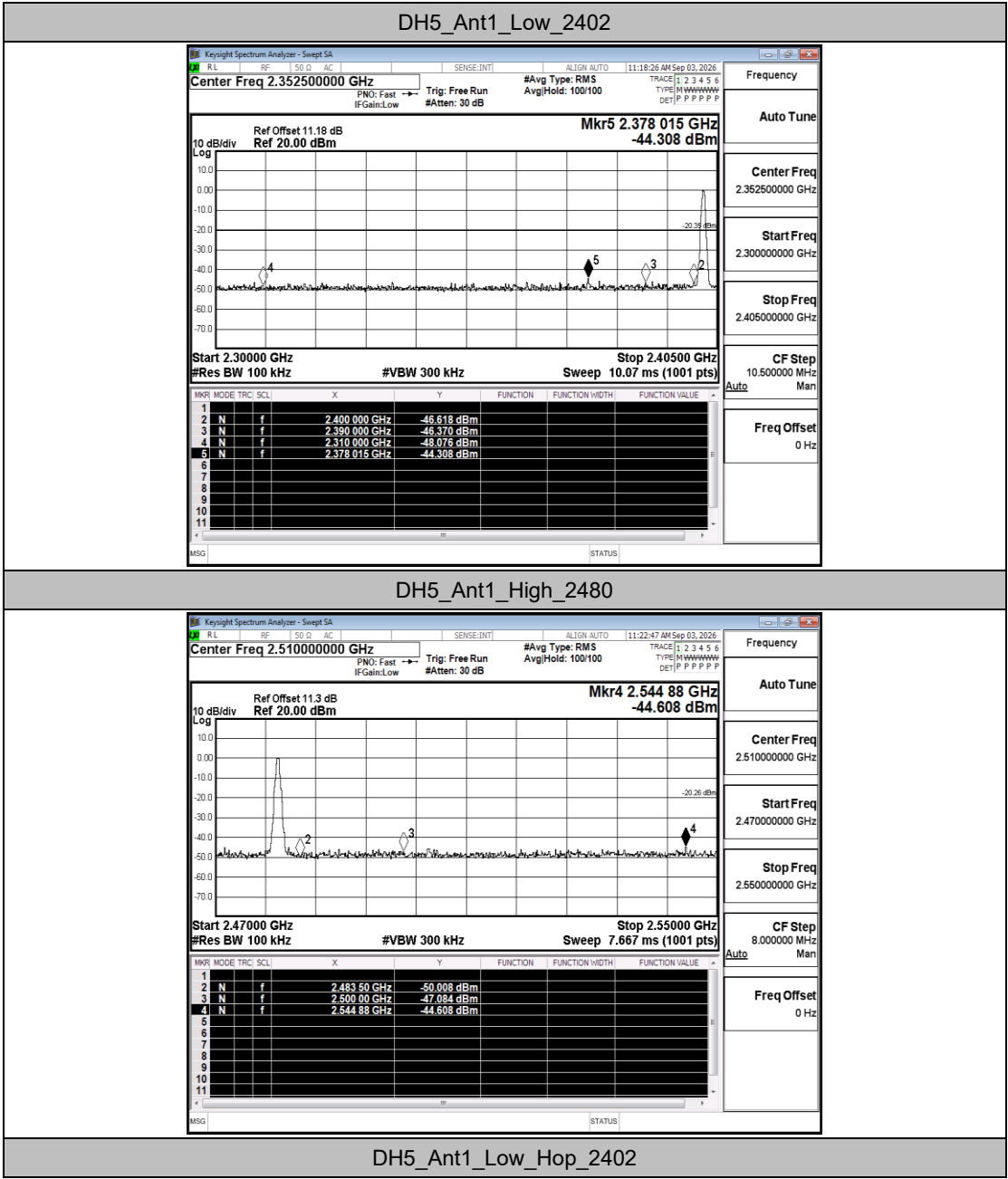


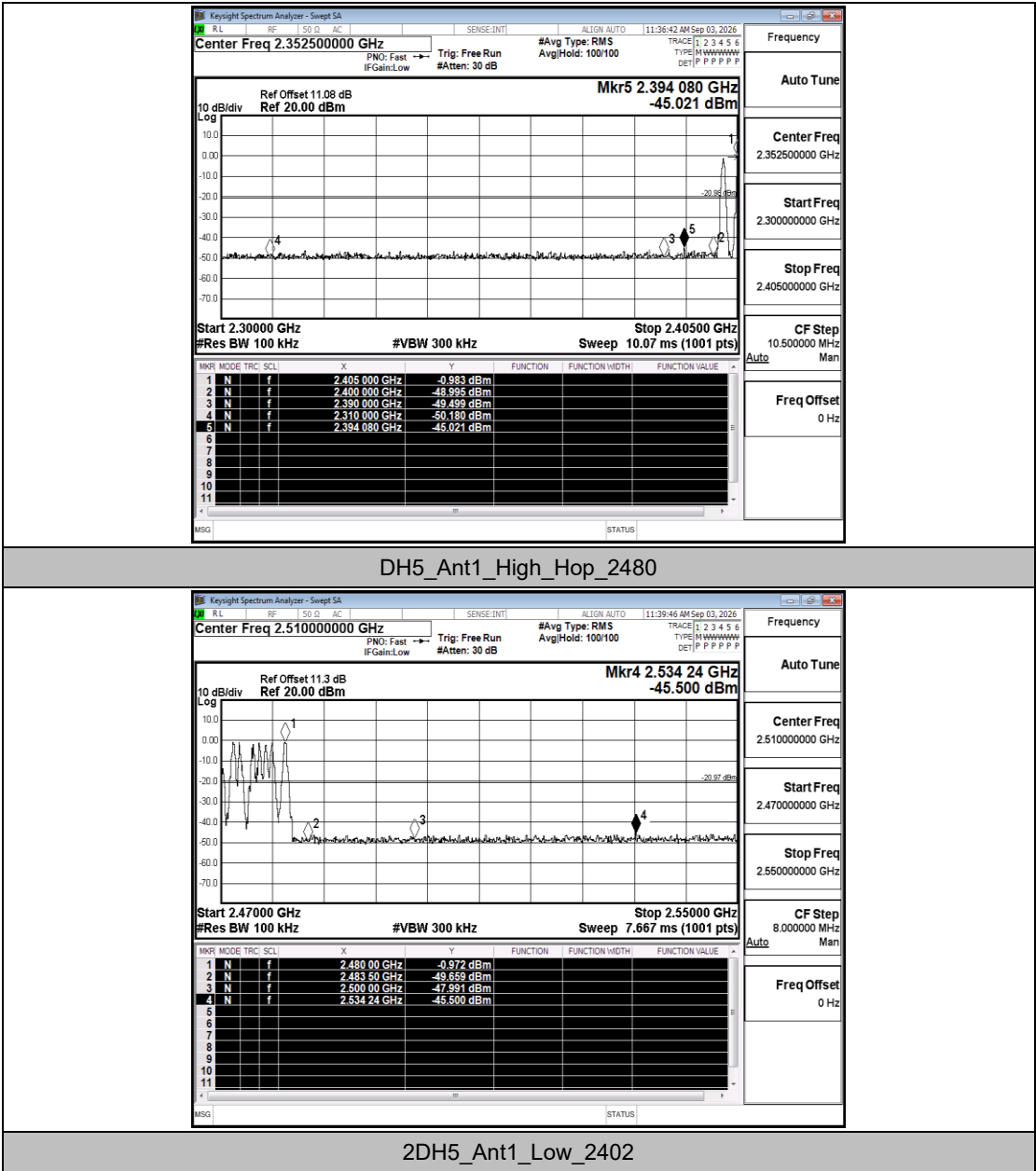
A.6 Band edge measurements

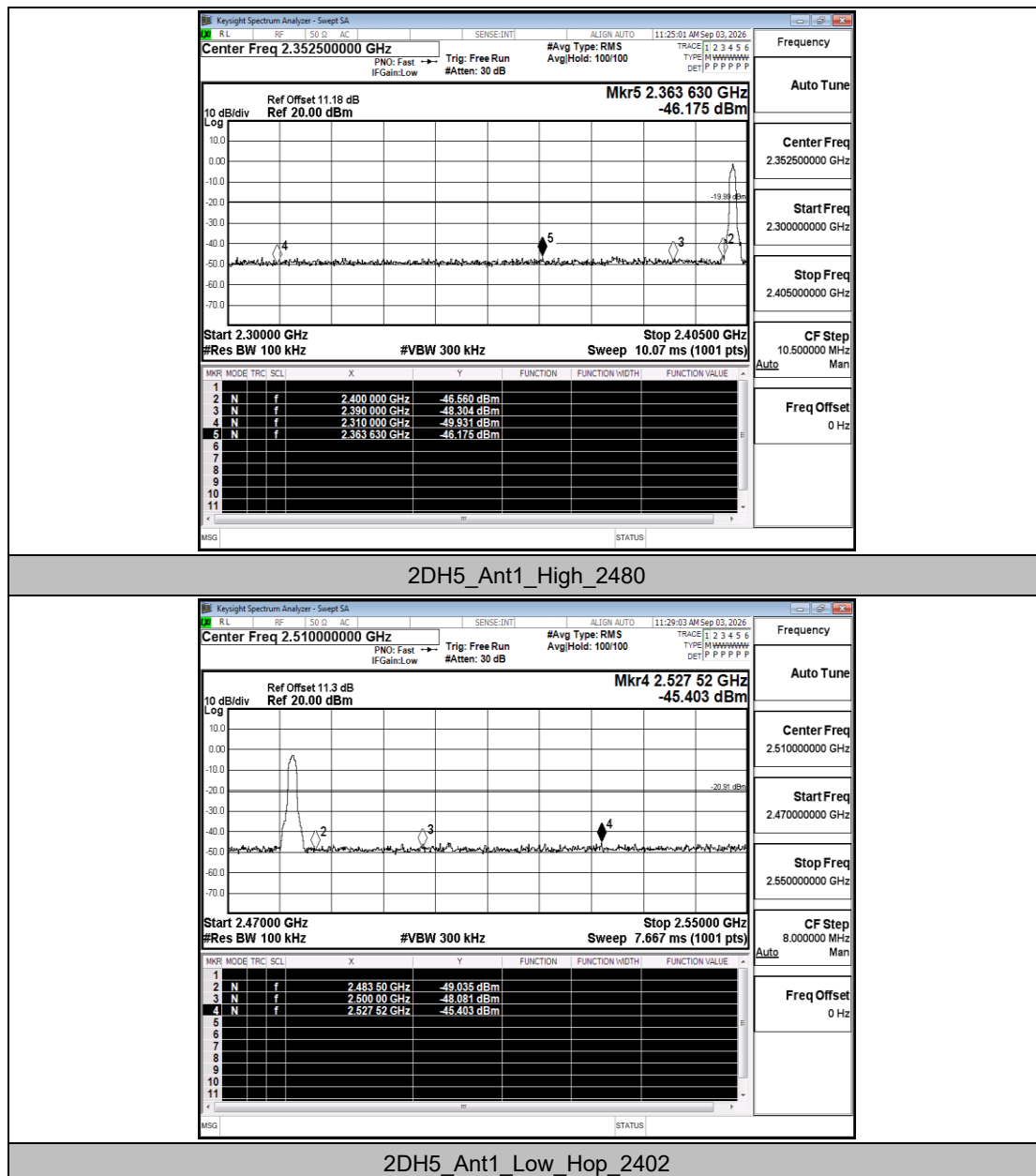
Test Result

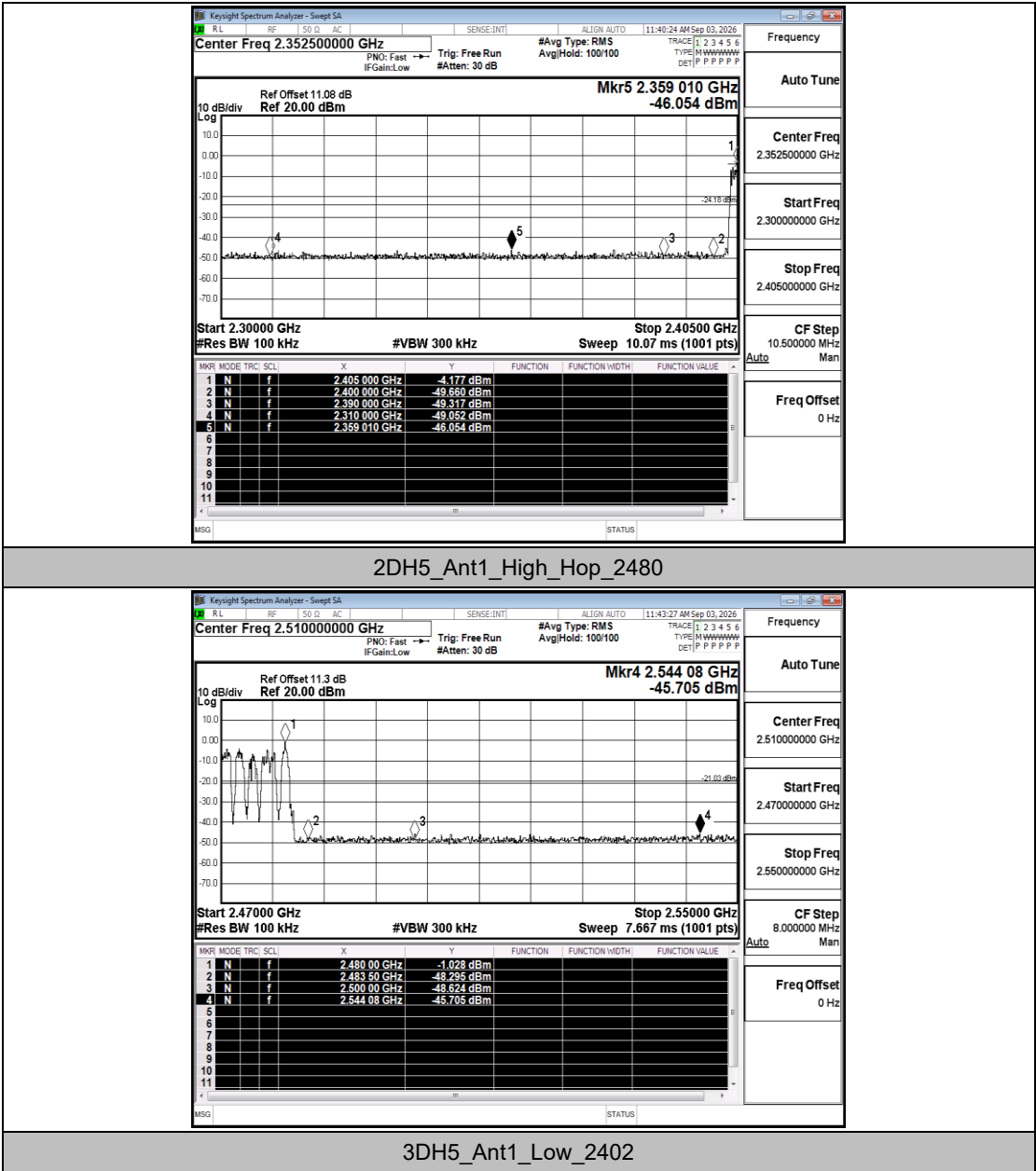
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.35	-44.31	≤-20.35	PASS
		High	2480	-0.26	-44.61	≤-20.26	PASS
		Low	Hop_2402	-0.98	-45.02	≤-20.98	PASS
		High	Hop_2480	-0.97	-45.5	≤-20.97	PASS
2DH5	Ant1	Low	2402	0.01	-46.18	≤-19.99	PASS
		High	2480	-0.91	-45.4	≤-20.91	PASS
		Low	Hop_2402	-4.18	-46.05	≤-24.18	PASS
		High	Hop_2480	-1.03	-45.71	≤-21.03	PASS
3DH5	Ant1	Low	2402	-0.05	-45.6	≤-20.05	PASS
		High	2480	-0.48	-44.62	≤-20.48	PASS
		Low	Hop_2402	-4.35	-46.49	≤-24.35	PASS
		High	Hop_2480	-3.46	-45.49	≤-23.46	PASS

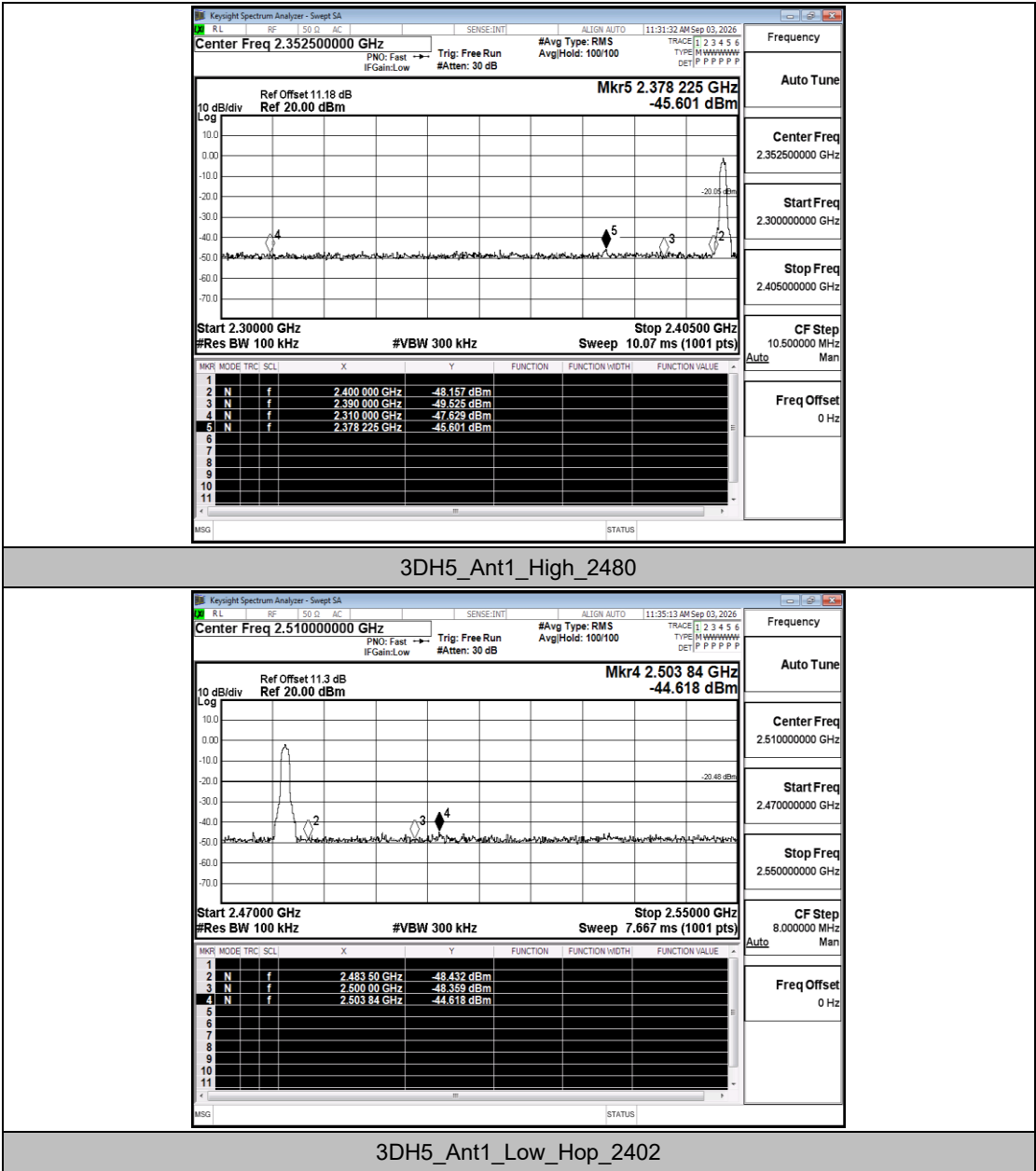
Test Graphs

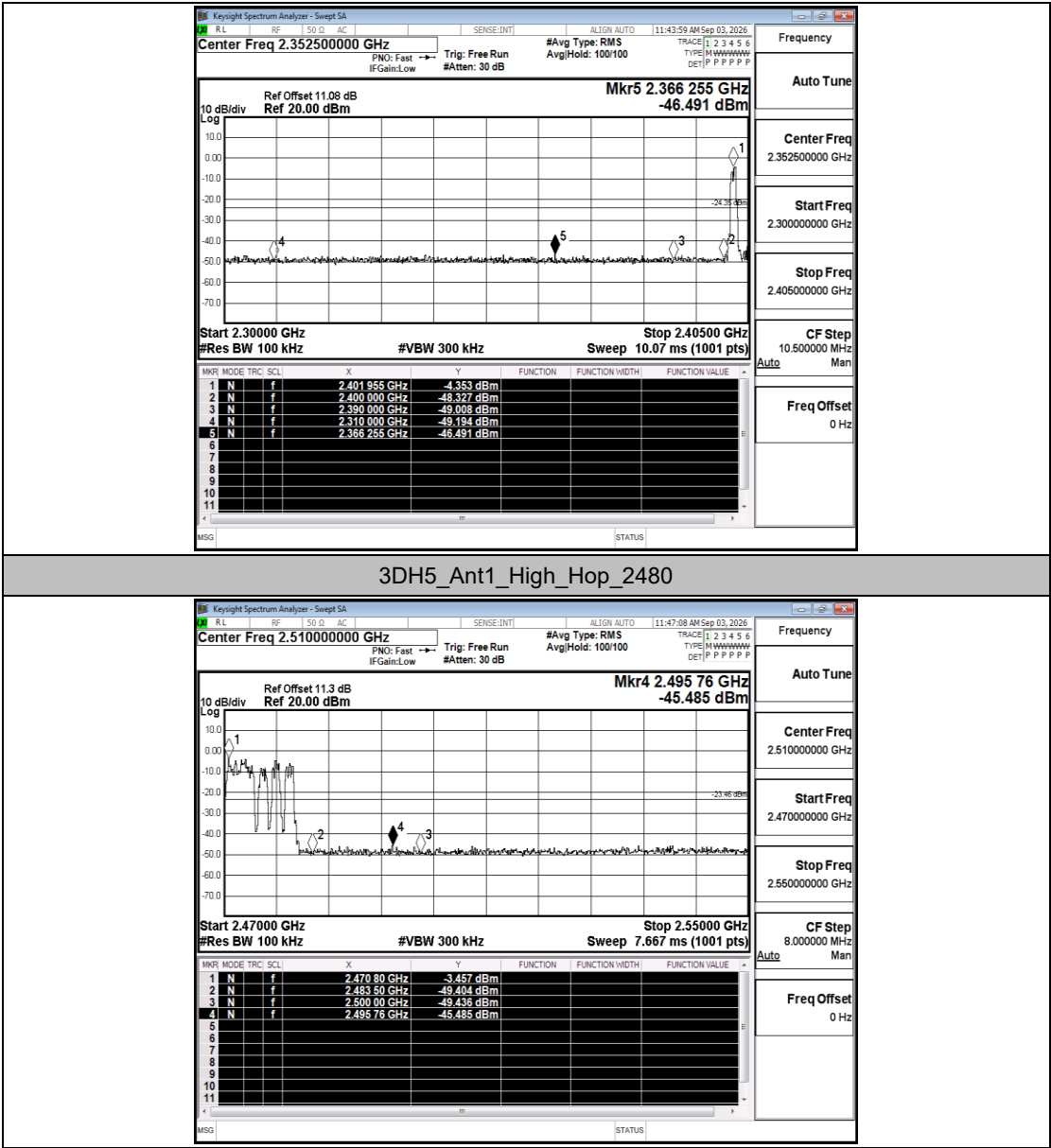












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-69.54	≤-19.96	PASS
			1000~26500	0.04	-34.66	≤-19.96	PASS
		2441	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-69.84	≤-20.13	PASS
			1000~26500	-0.13	-32.86	≤-20.13	PASS
		2480	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-69.74	≤-20.27	PASS
			1000~26500	-0.27	-30.78	≤-20.27	PASS
2DH5	Ant1	2402	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-68.88	≤-19.94	PASS
			1000~26500	0.06	-34.82	≤-19.94	PASS
		2441	Reference	-0.06	-0.06	---	PASS
			30~1000	-0.06	-69.98	≤-20.06	PASS
			1000~26500	-0.06	-34.05	≤-20.06	PASS
		2480	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-69.34	≤-20.25	PASS
			1000~26500	-0.25	-34.72	≤-20.25	PASS
3DH5	Ant1	2402	Reference	0.08	0.08	---	PASS
			30~1000	0.08	-69.99	≤-19.92	PASS
			1000~26500	0.08	-33.8	≤-19.92	PASS
		2441	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-69.13	≤-20.09	PASS
			1000~26500	-0.09	-34.75	≤-20.09	PASS
		2480	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-69.42	≤-20.26	PASS
			1000~26500	-0.26	-34.99	≤-20.26	PASS

Test Graphs

