

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: BT SPEAKER GO

Test Model: BTSPGOFT52-BLK

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Yan Chen
Supervised by:	Fengliu Tang

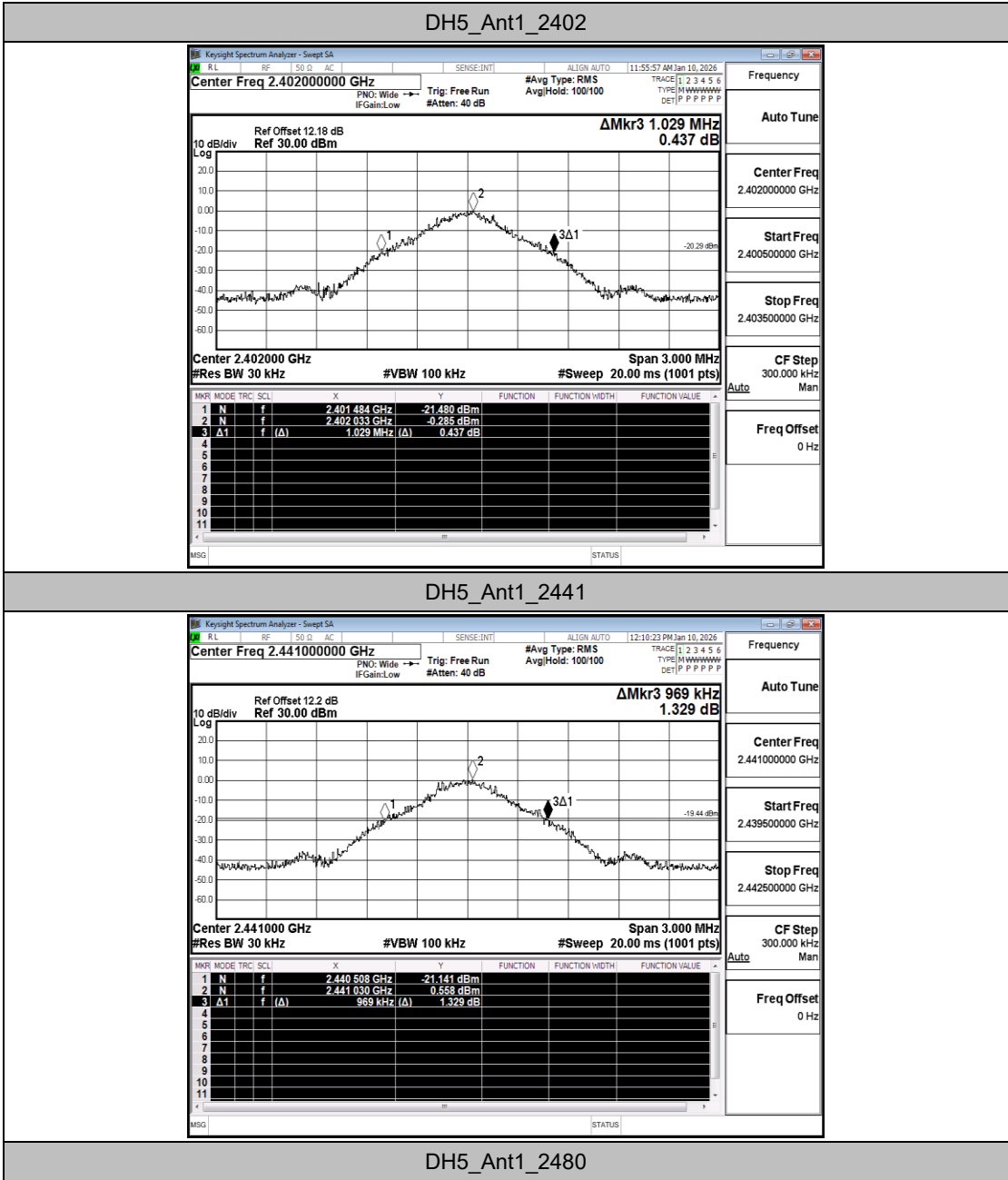
A.1 20dB Emission Bandwidth

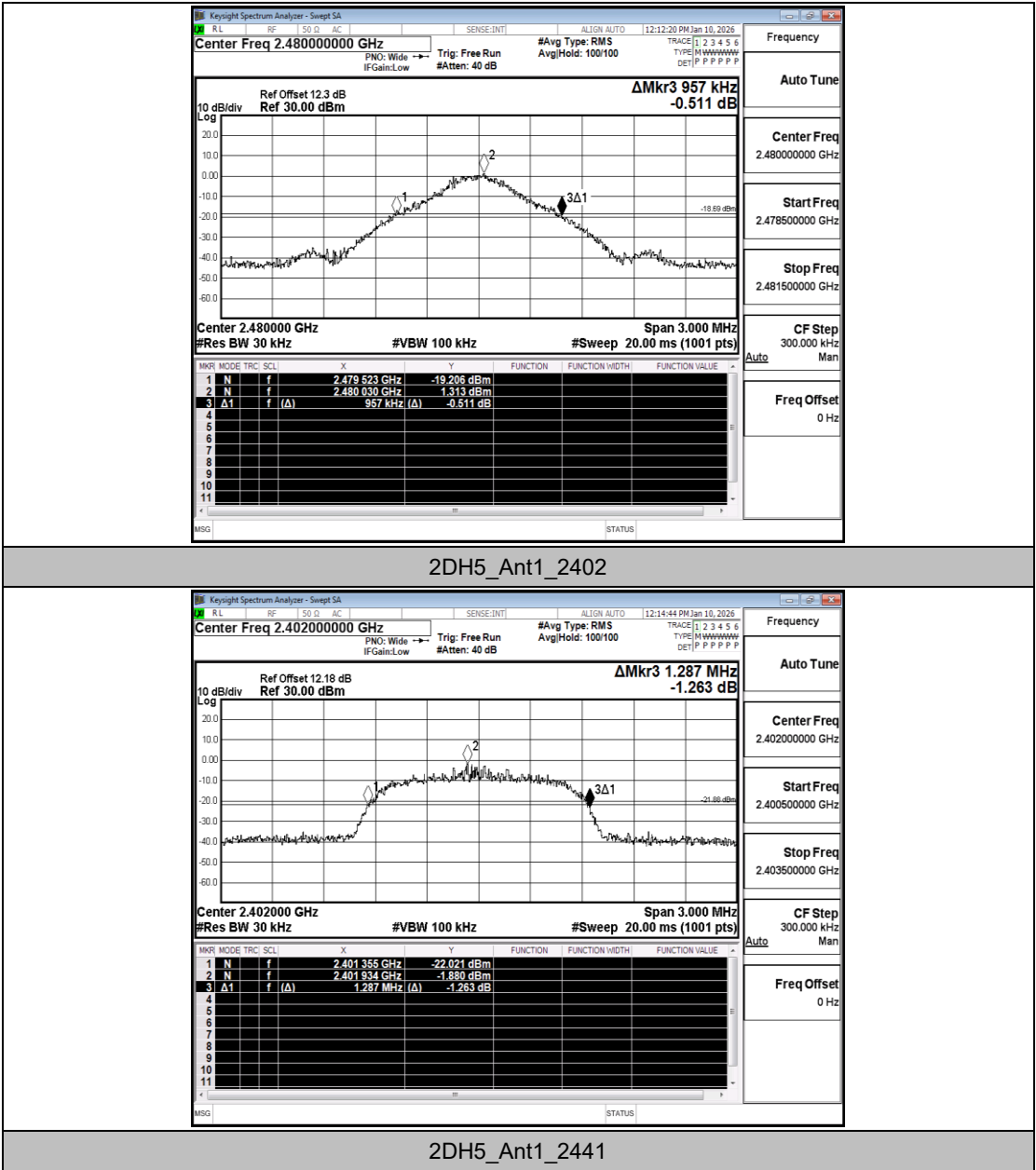
Test Result

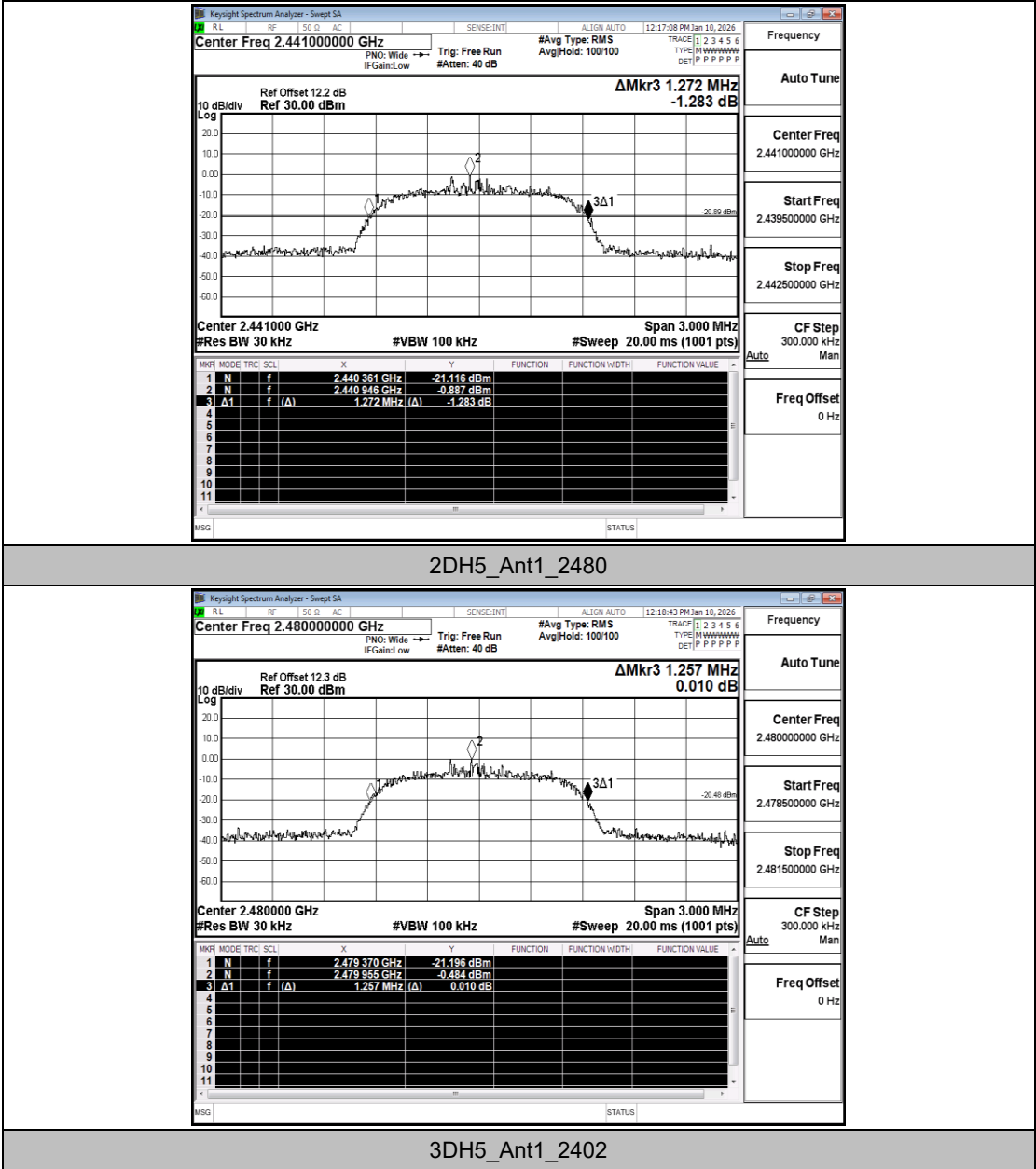
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.029	2401.484	2402.513	---	---
		2441	0.969	2440.508	2441.477	---	---
		2480	0.957	2479.523	2480.480	---	---
2DH5	Ant1	2402	1.287	2401.355	2402.642	---	---
		2441	1.272	2440.361	2441.633	---	---
		2480	1.257	2479.370	2480.627	---	---
3DH5	Ant1	2402	1.269	2401.367	2402.636	---	---
		2441	1.272	2440.364	2441.636	---	---
		2480	1.275	2479.358	2480.633	---	---

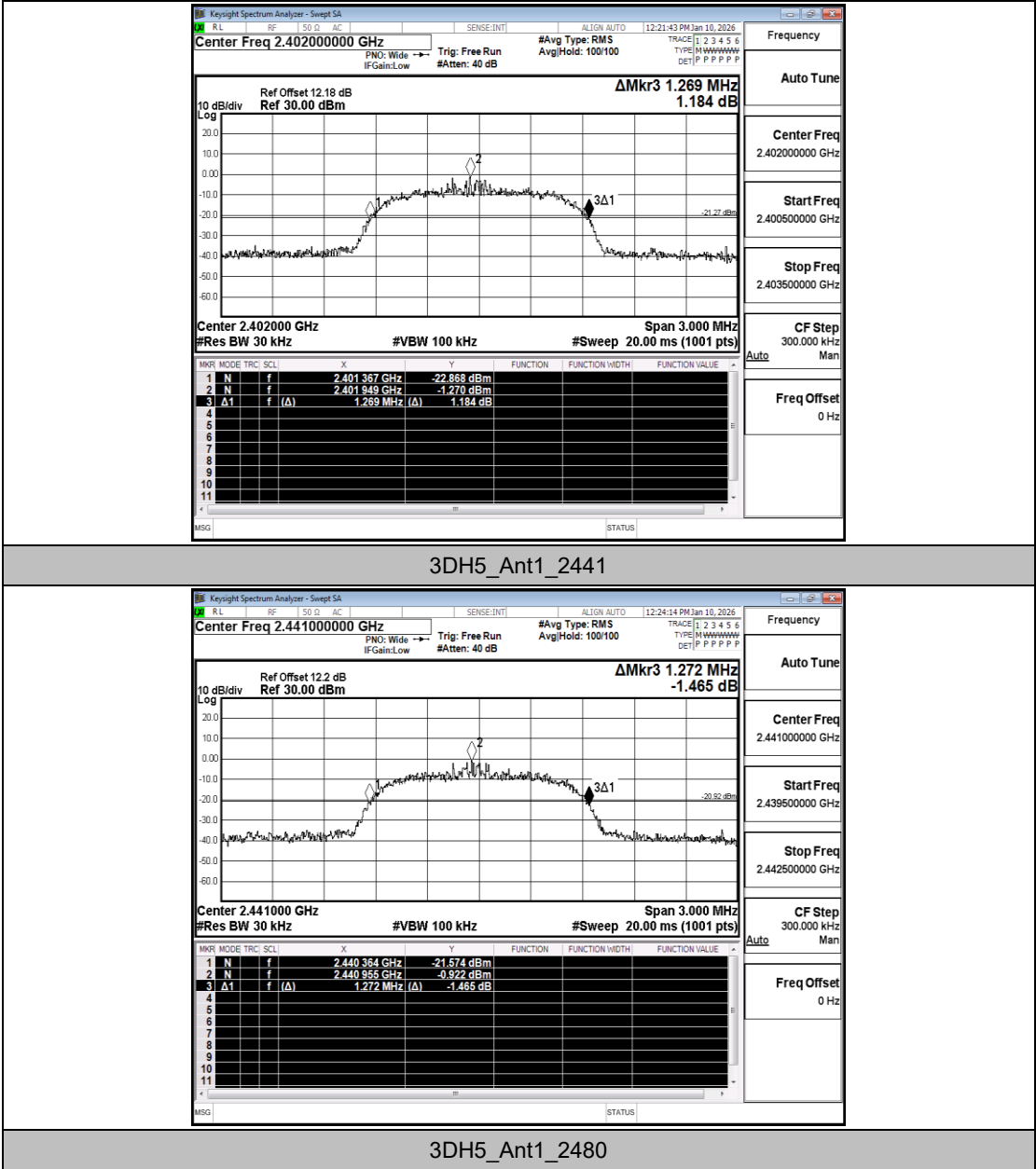
Note: offset=System attenuation +cabel loss

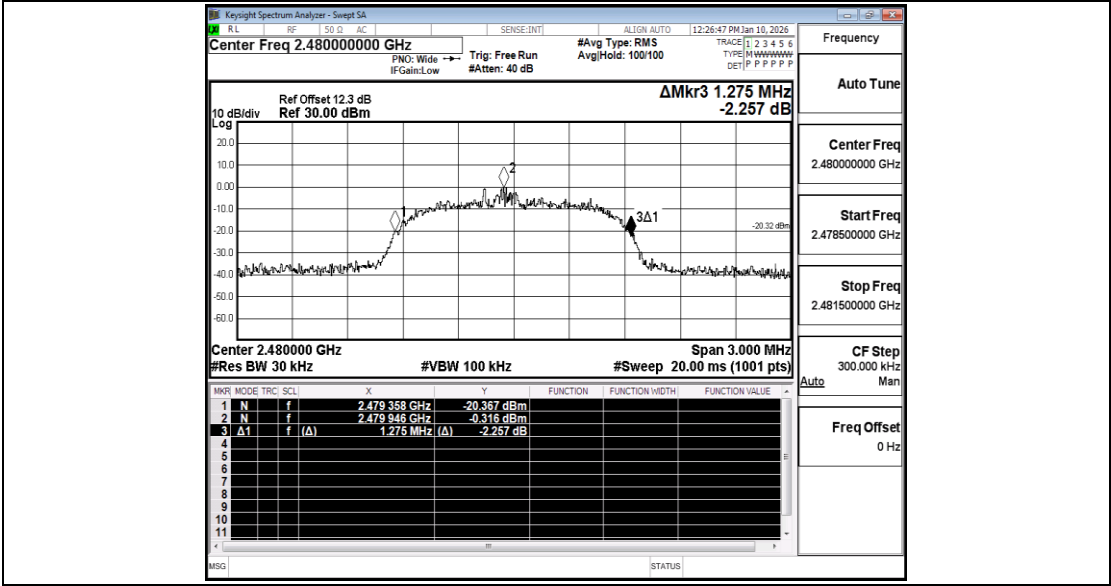
Test Graphs











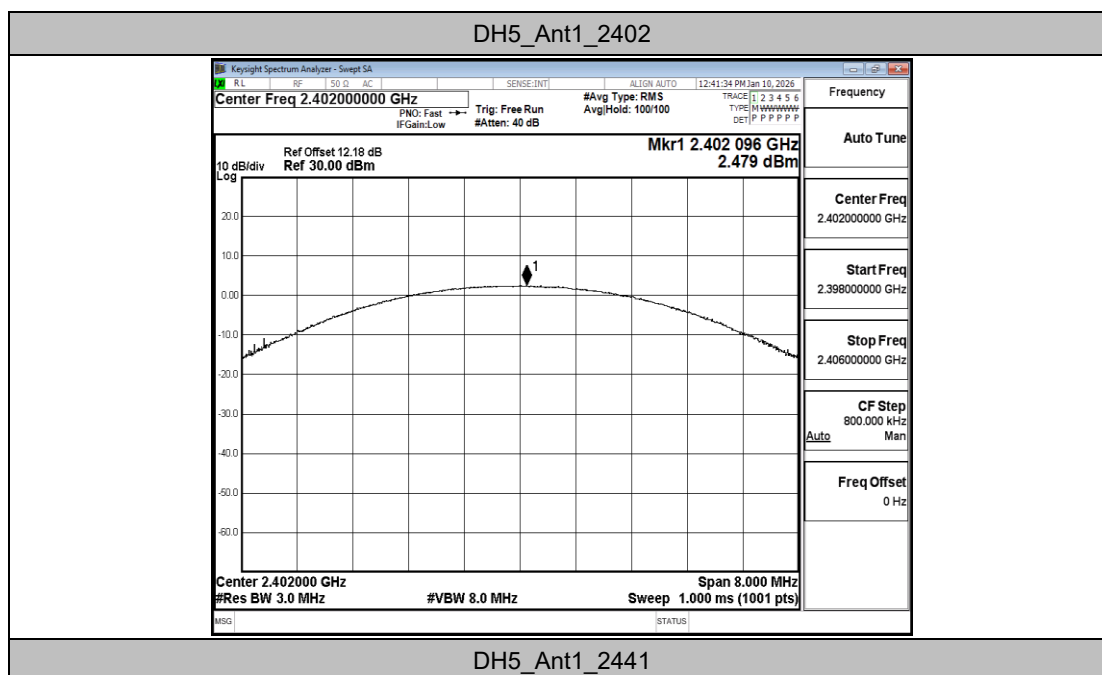
A.2 Maximum Peak conducted output power

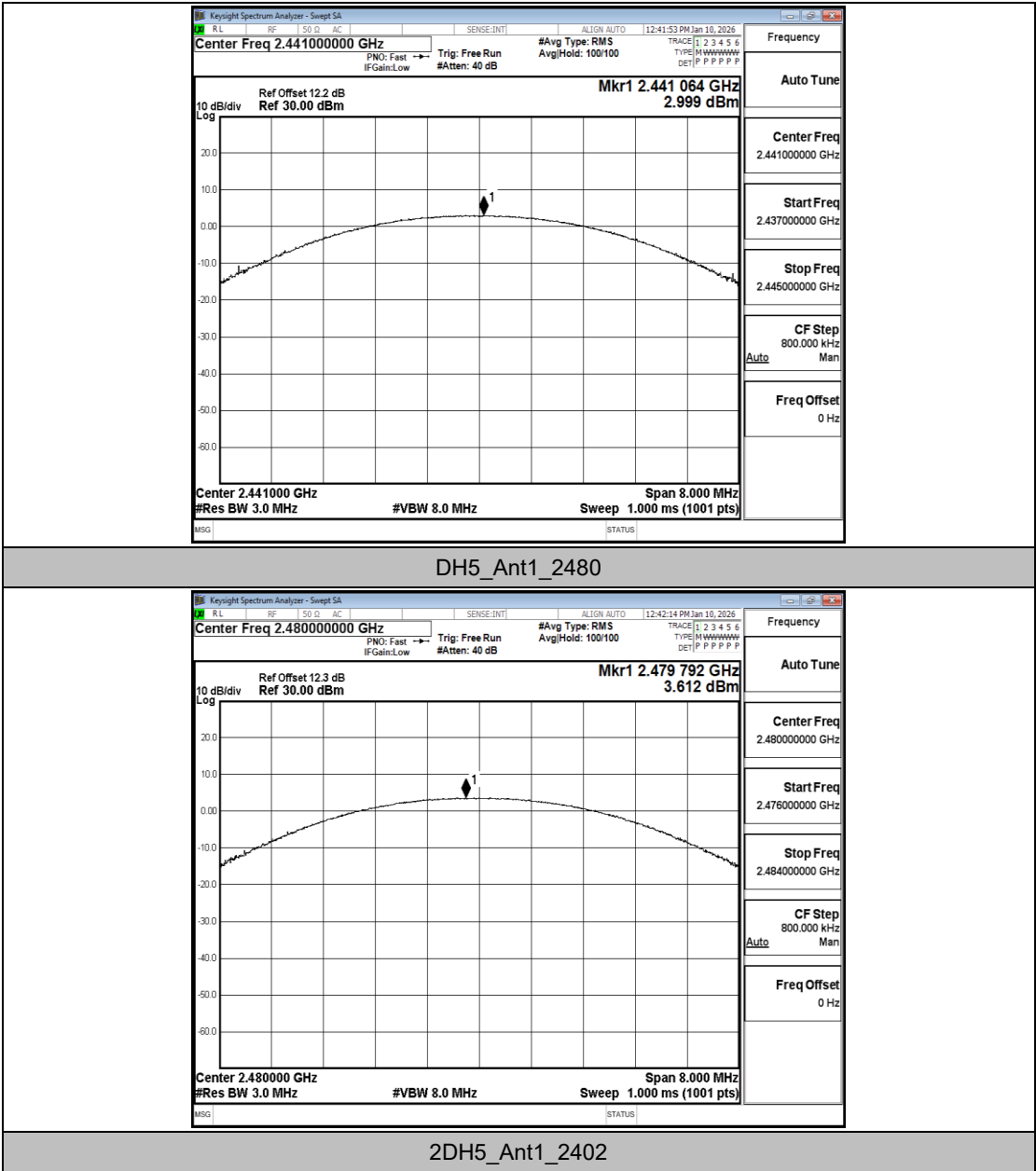
Test Result Peak

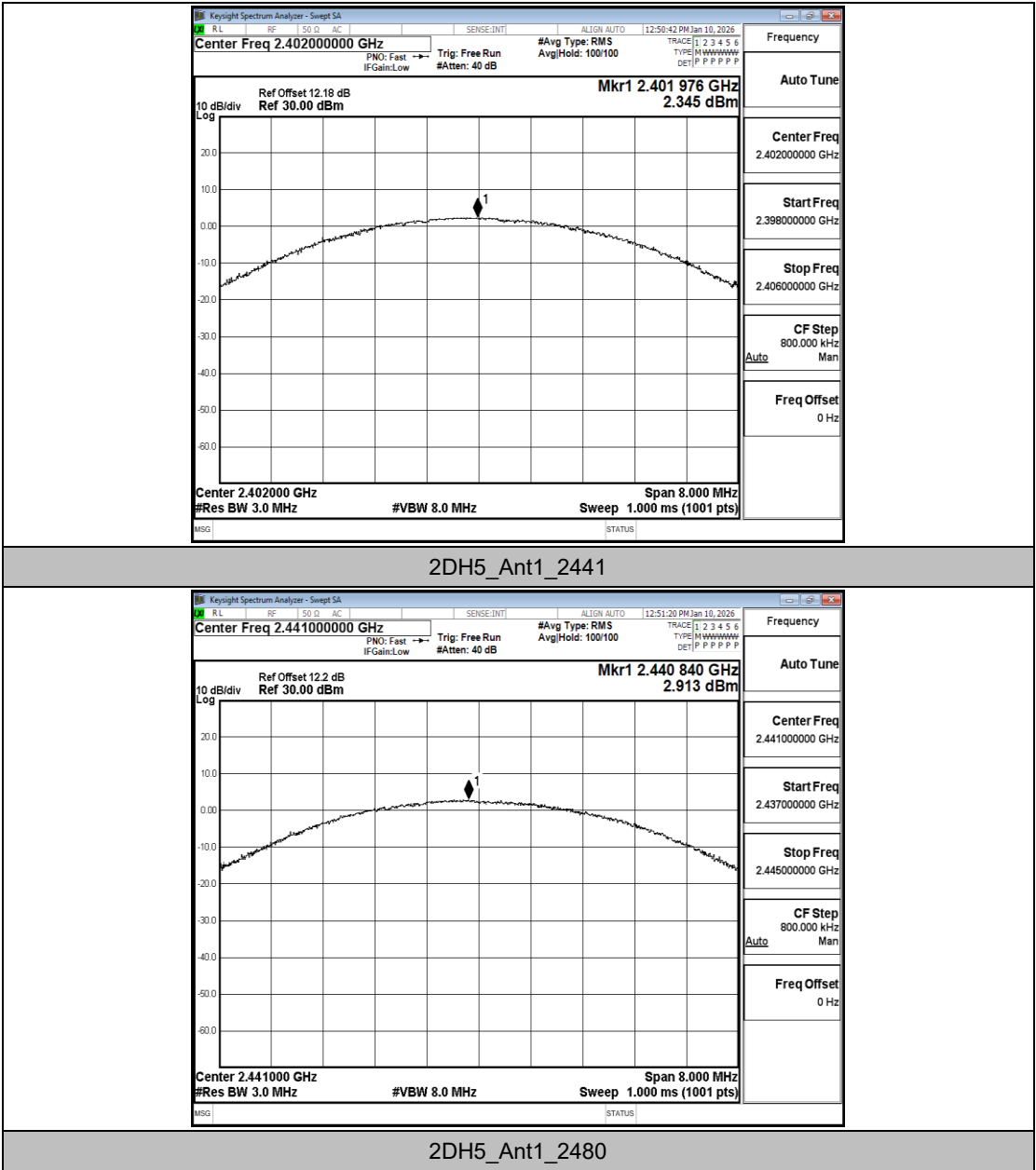
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.48	≤20.97	PASS
		2441	3.00	≤20.97	PASS
		2480	3.61	≤20.97	PASS
2DH5	Ant1	2402	2.35	≤20.97	PASS
		2441	2.91	≤20.97	PASS
		2480	3.48	≤20.97	PASS
3DH5	Ant1	2402	2.36	≤20.97	PASS
		2441	2.87	≤20.97	PASS
		2480	3.40	≤20.97	PASS

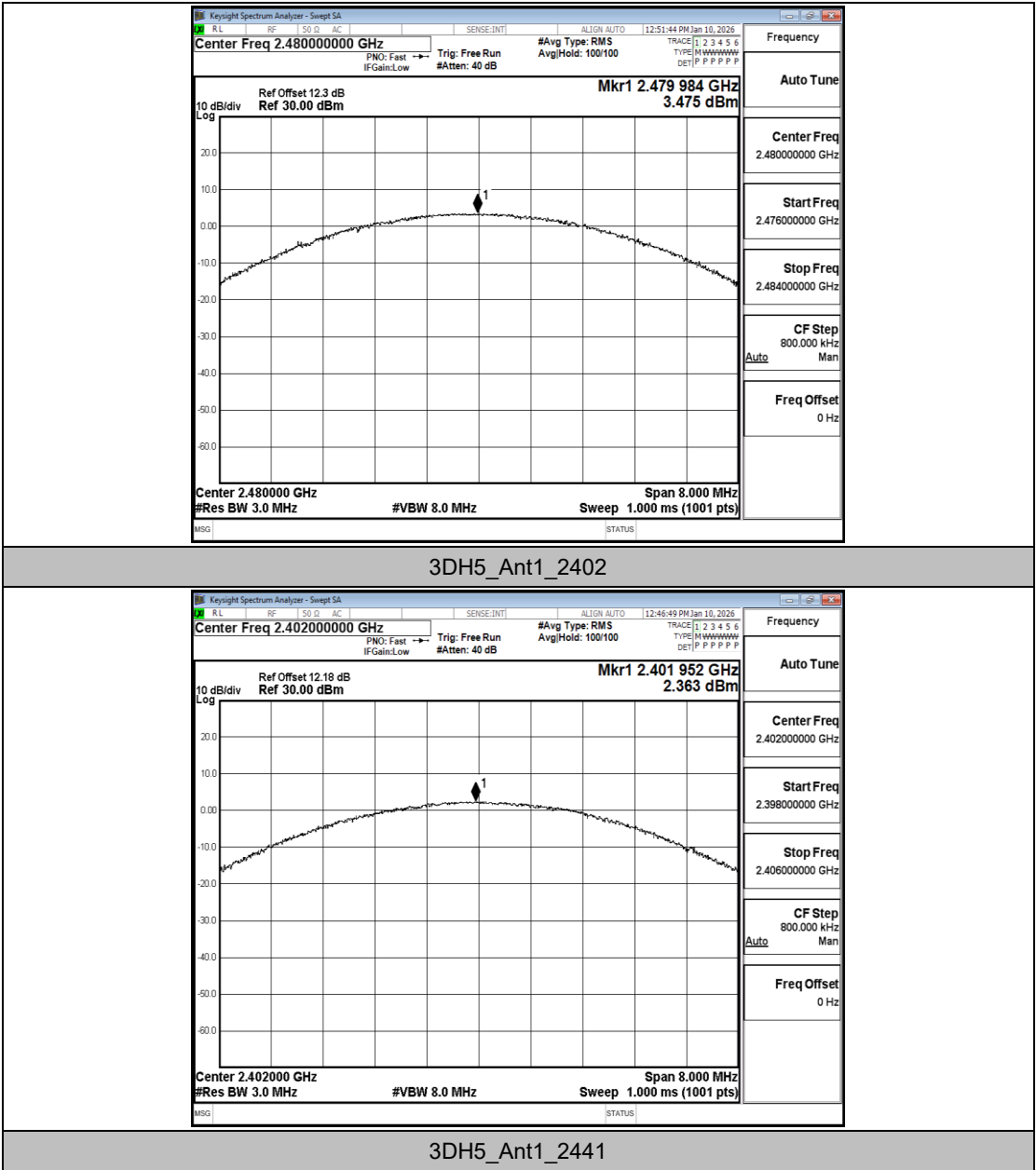
Note: offset=System attenuation +cabel loss

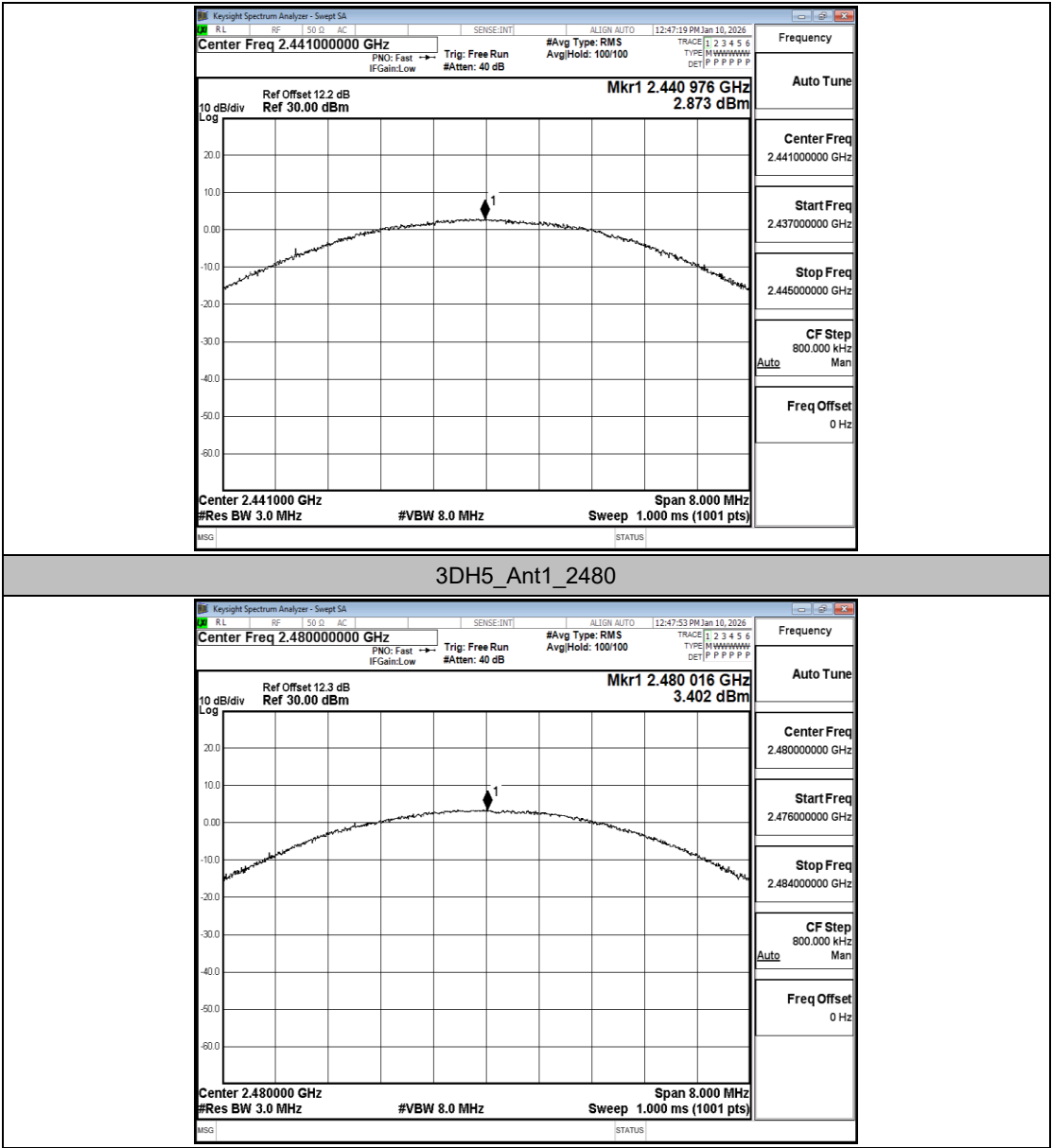
Test Graphs











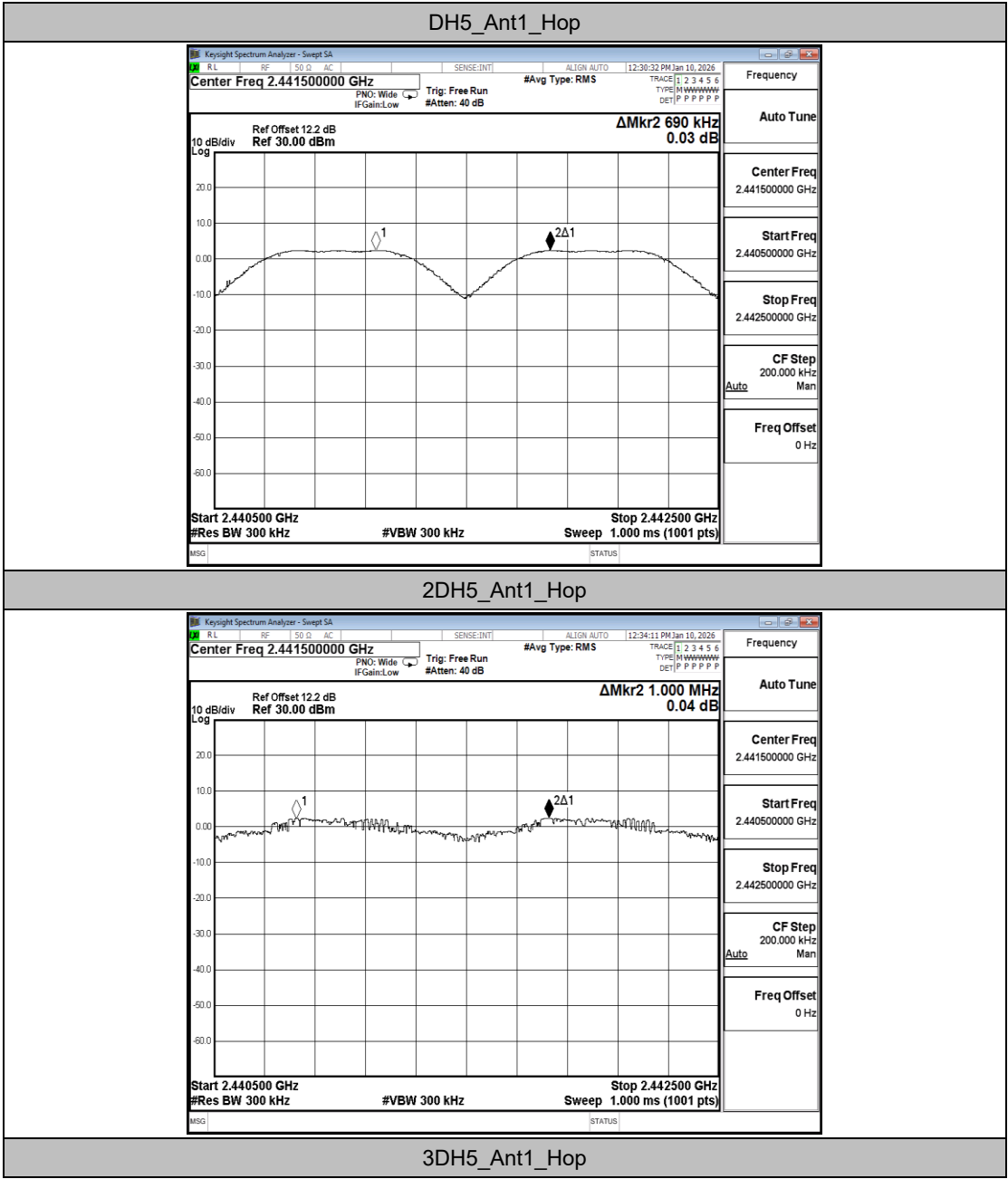
A.3 Carrier frequency separation

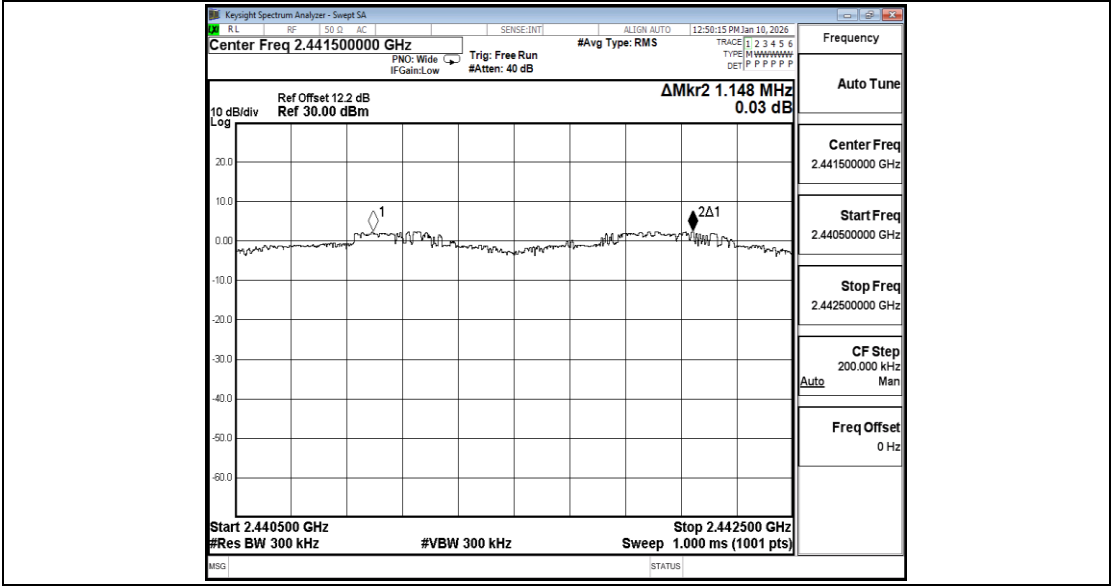
Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.69	≥ 0.686	PASS
2DH5	Ant1	Hop	1	≥ 0.858	PASS
3DH5	Ant1	Hop	1.148	≥ 0.850	PASS

Note: offset=System attenuation +cable loss

Test Graphs





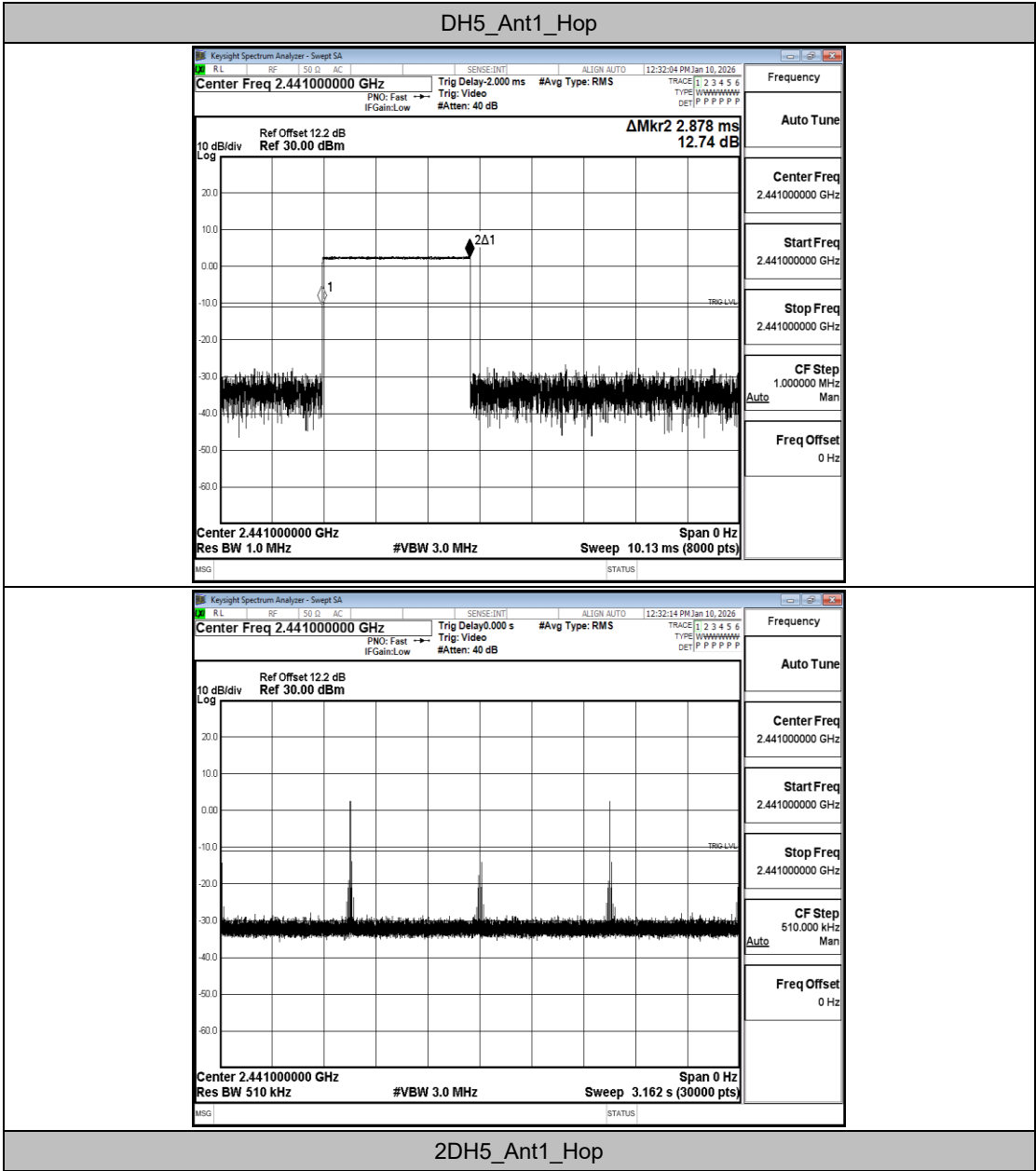
A.4 Time of occupancy

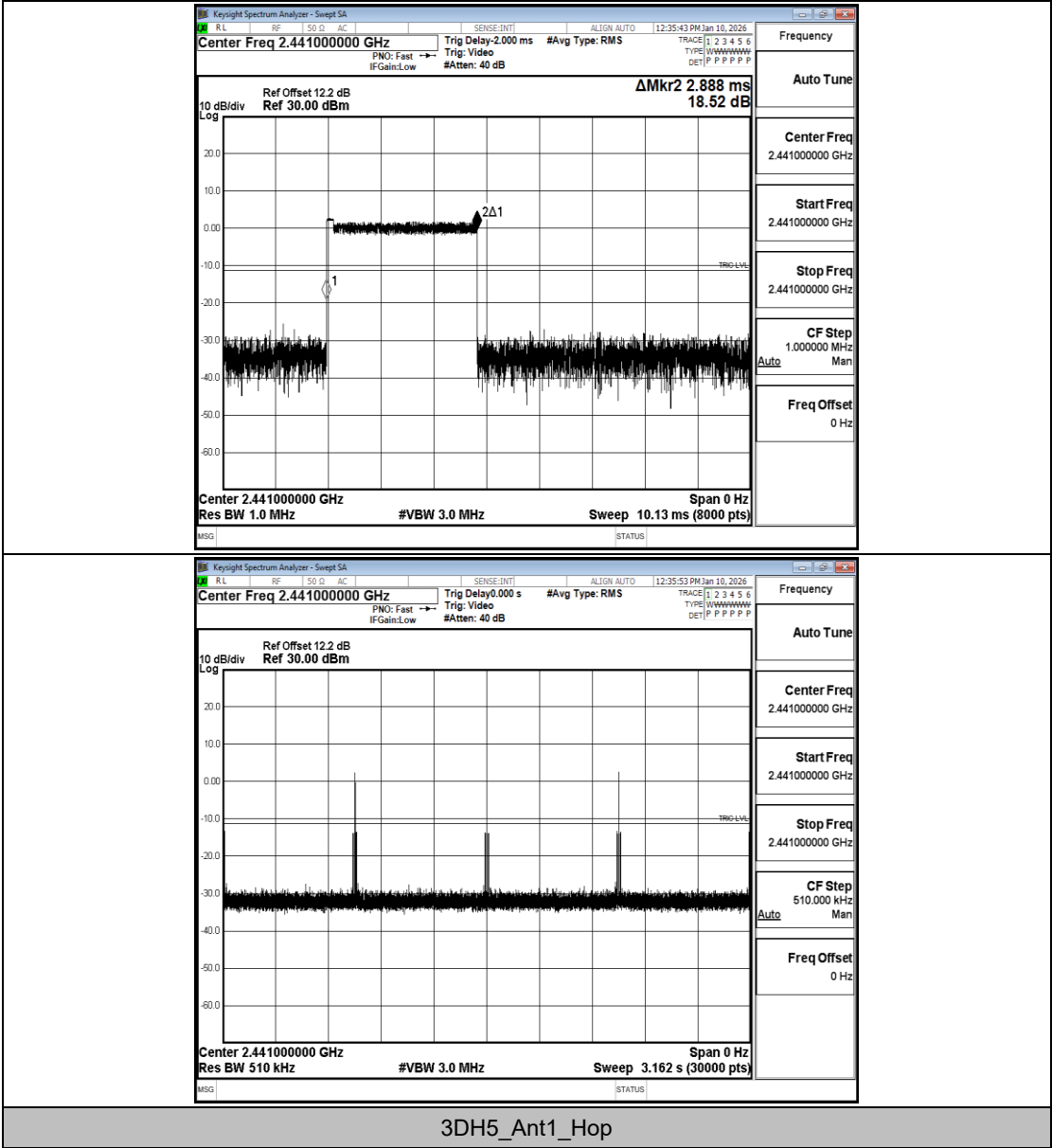
Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	40	0.115	≤0.4	PASS
2DH5	Ant1	Hop	2.888	40	0.116	≤0.4	PASS
3DH5	Ant1	Hop	2.887	40	0.115	≤0.4	PASS

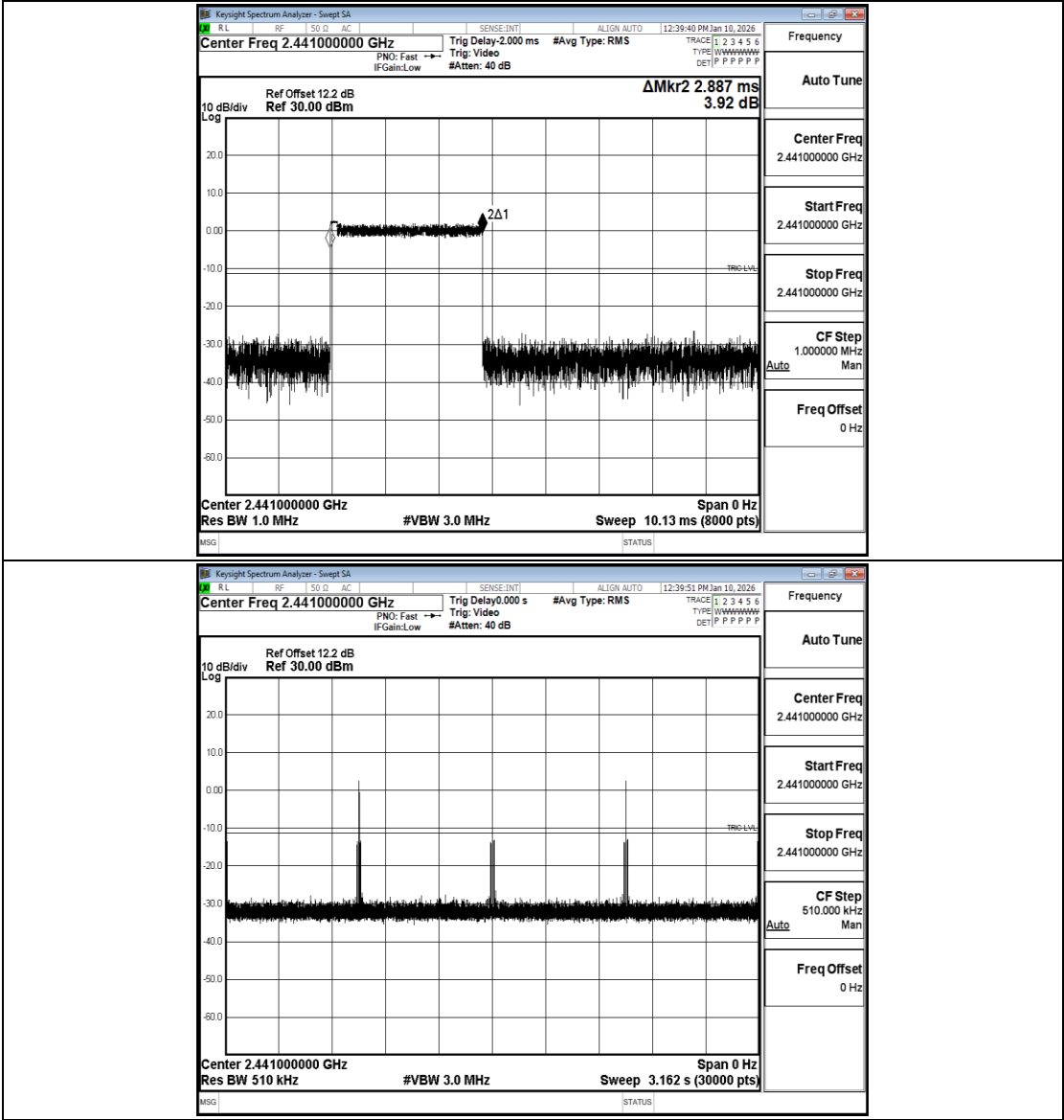
Note: offset=System attenuation +cabel loss

Test Graphs





3DH5_Ant1_Hop



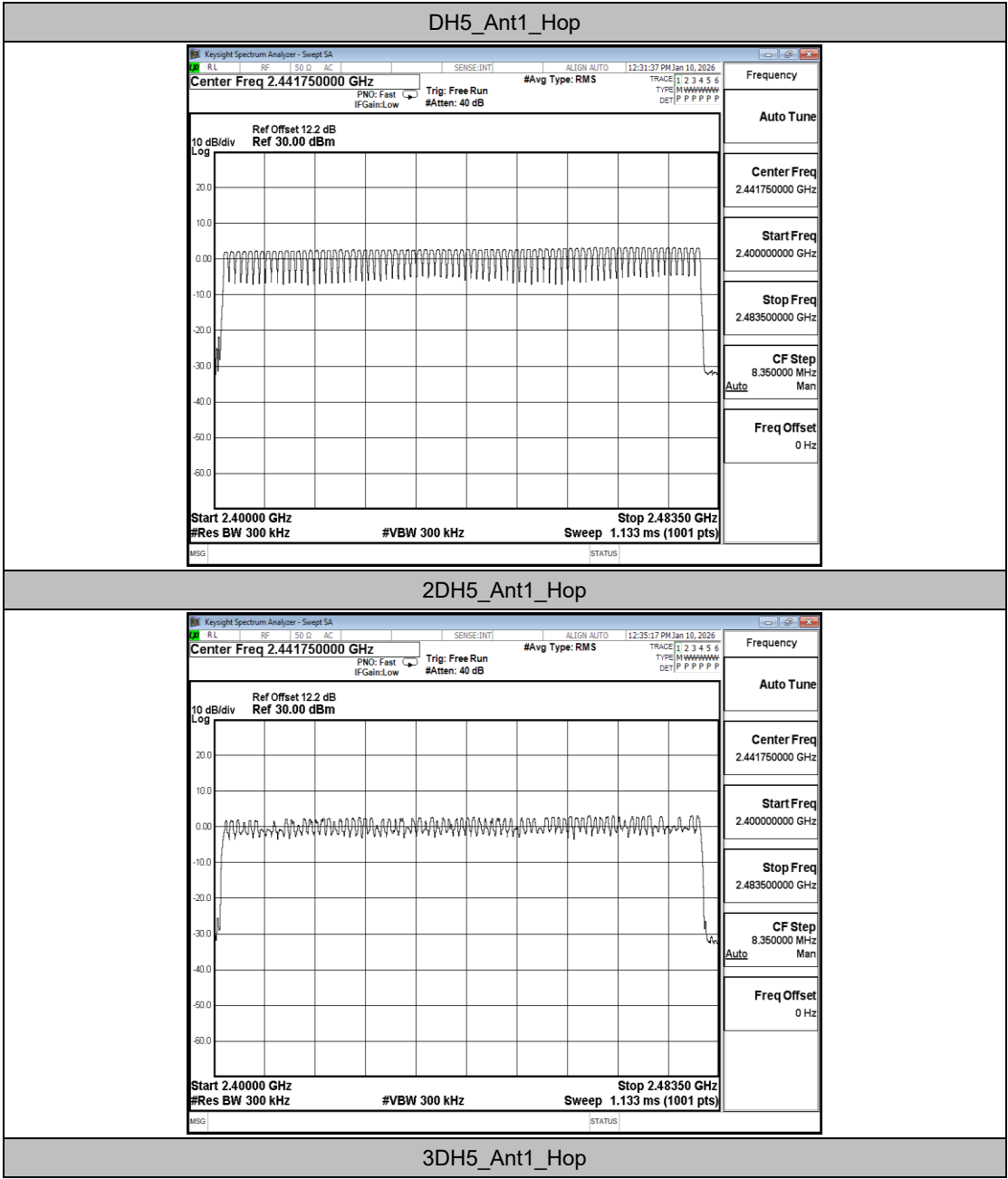
A.5 Number of hopping channels

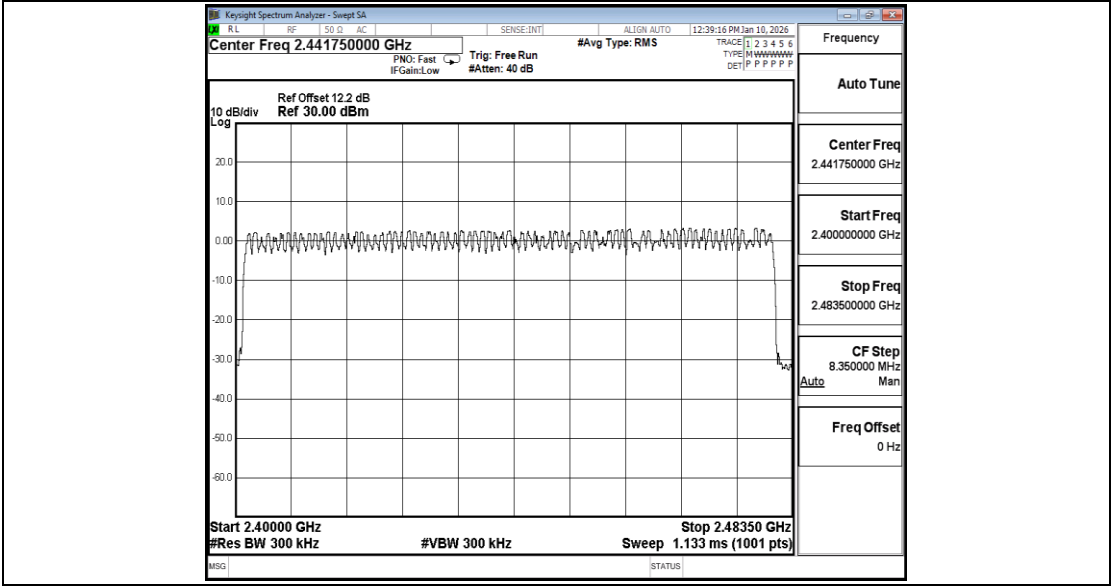
Test Result

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

Note: offset=System attenuation +caval loss

Test Graphs





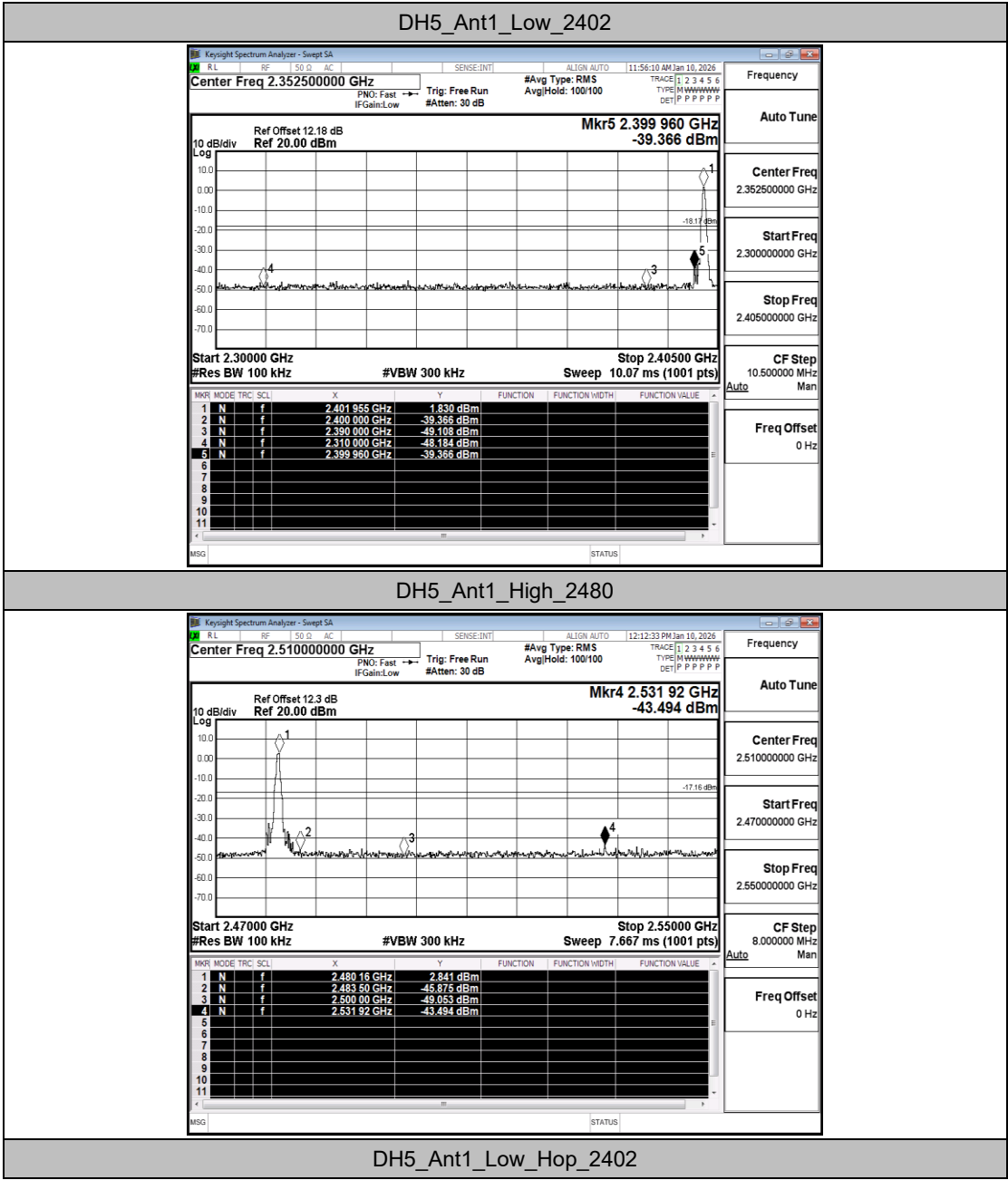
A.6 Band edge measurements

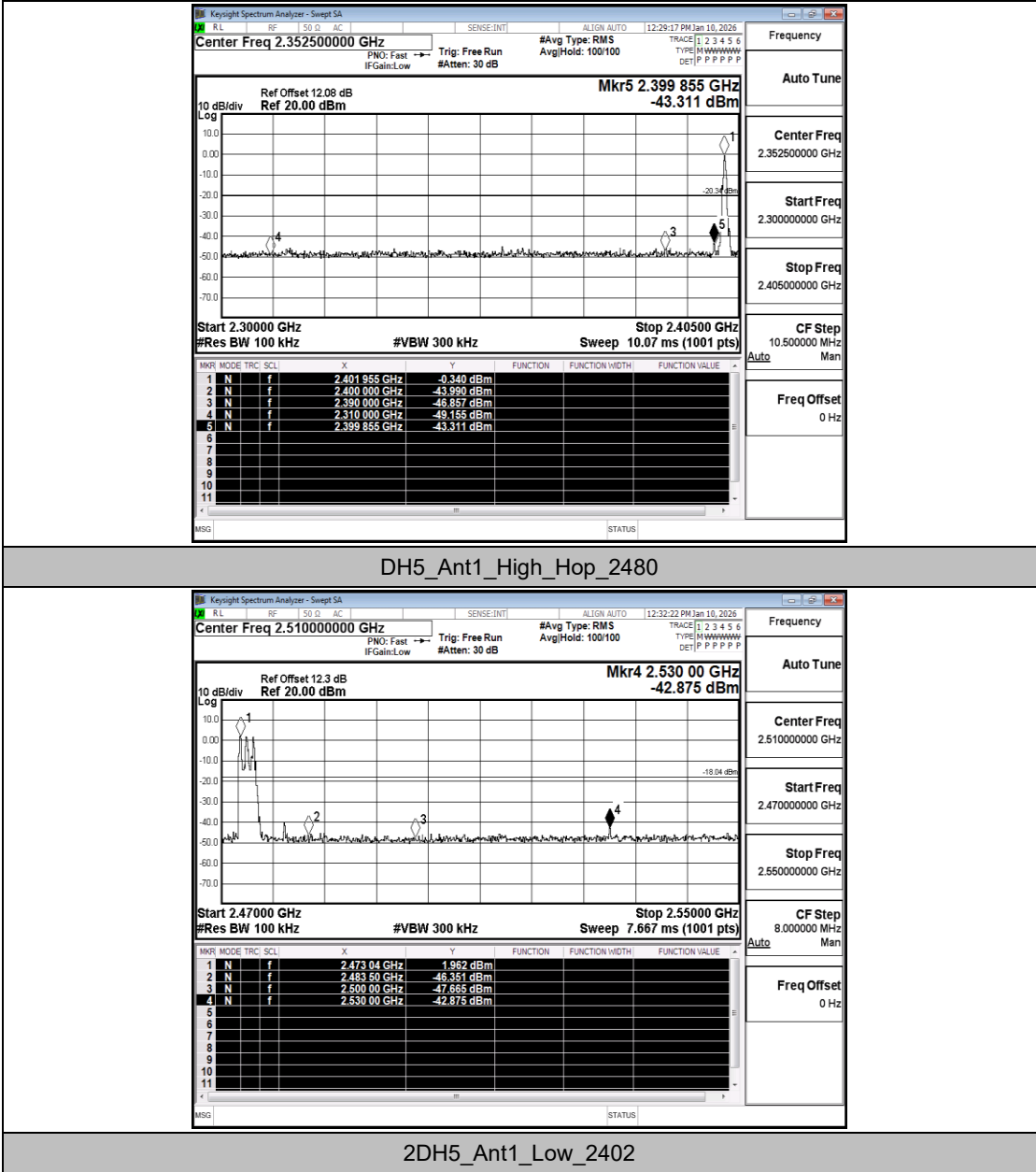
Test Result

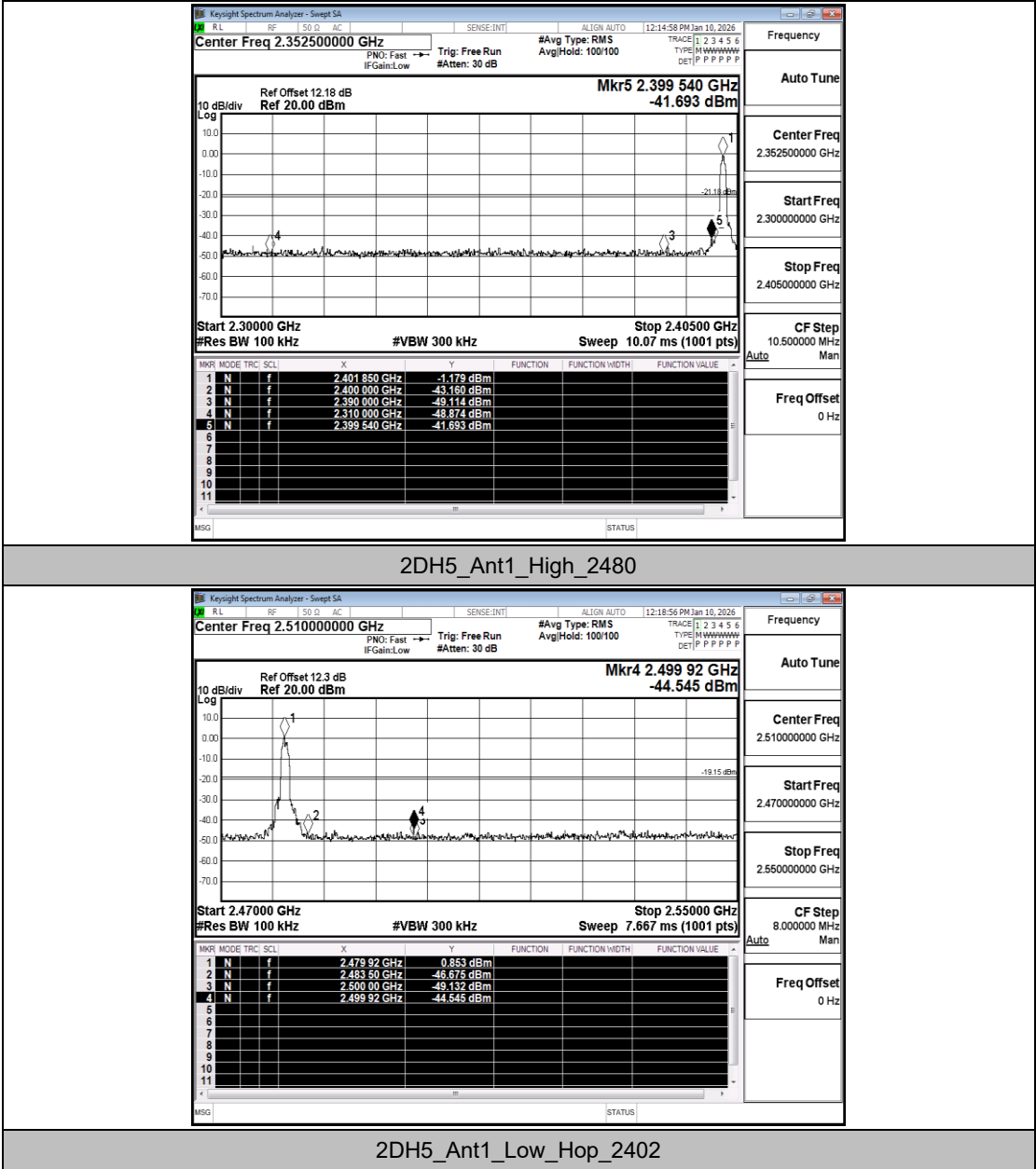
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.83	-39.37	≤-18.17	PASS
		High	2480	2.84	-43.49	≤-17.16	PASS
		Low	Hop_2402	-0.34	-43.31	≤-20.34	PASS
		High	Hop_2480	1.96	-42.88	≤-18.04	PASS
2DH5	Ant1	Low	2402	-1.18	-41.69	≤-21.18	PASS
		High	2480	0.85	-44.55	≤-19.15	PASS
		Low	Hop_2402	-3.07	-45.4	≤-23.07	PASS
		High	Hop_2480	-2.76	-44.7	≤-22.76	PASS
3DH5	Ant1	Low	2402	-3.85	-41.39	≤-23.85	PASS
		High	2480	-0.65	-44.69	≤-20.65	PASS
		Low	Hop_2402	-4.94	-45.24	≤-24.94	PASS
		High	Hop_2480	-1.75	-44.04	≤-21.75	PASS

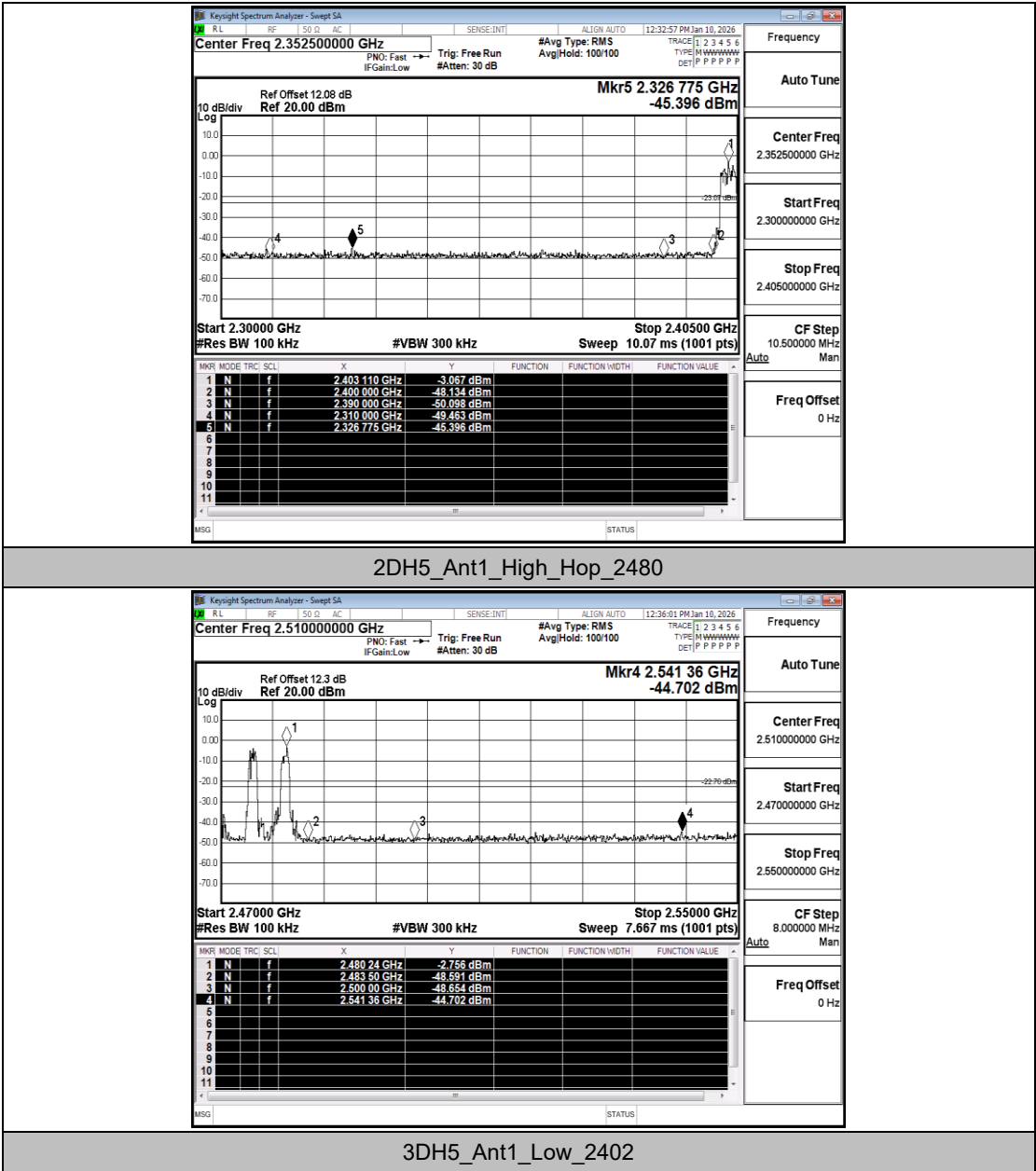
Note: offset=System attenuation +cabel loss

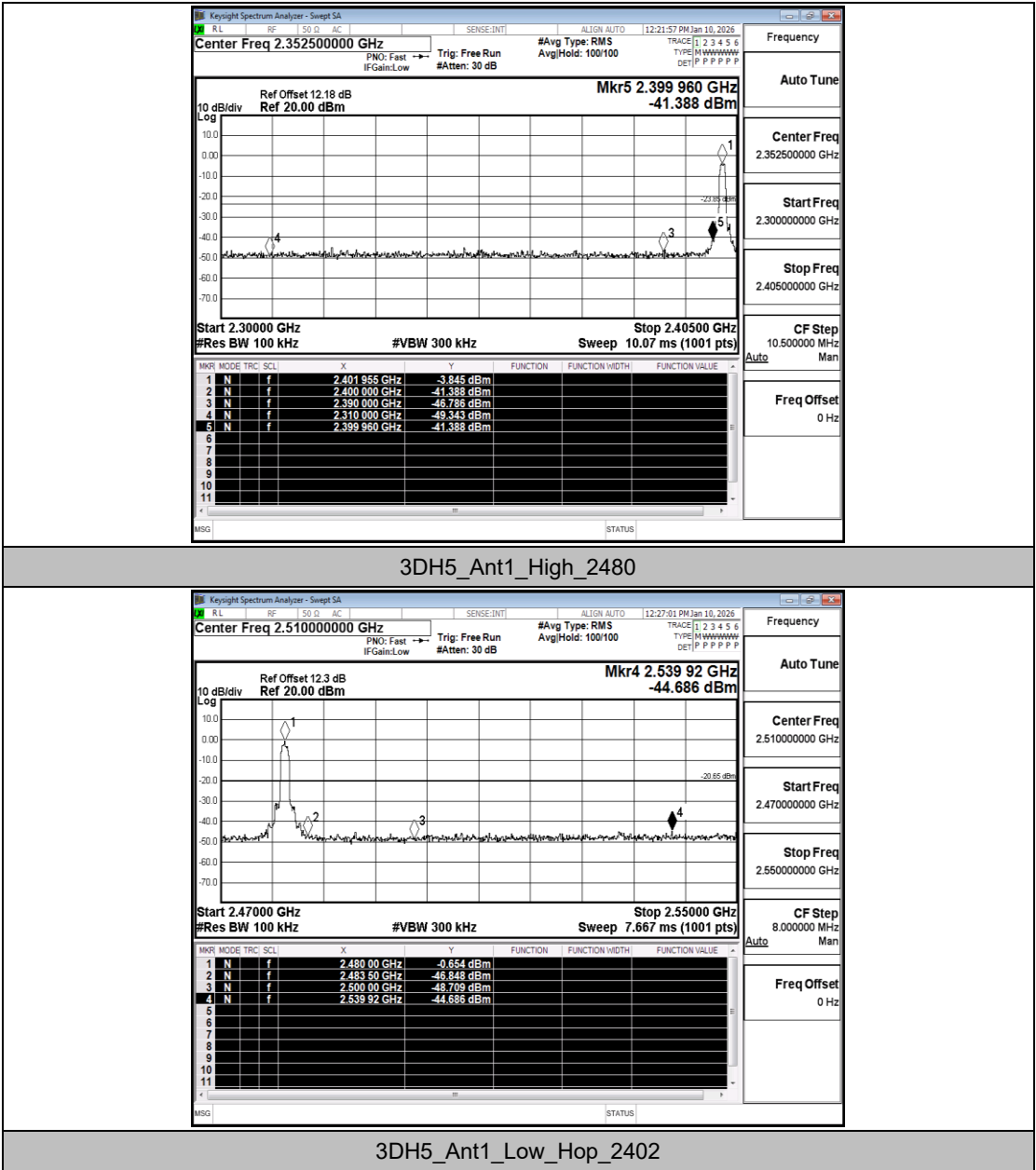
Test Graphs

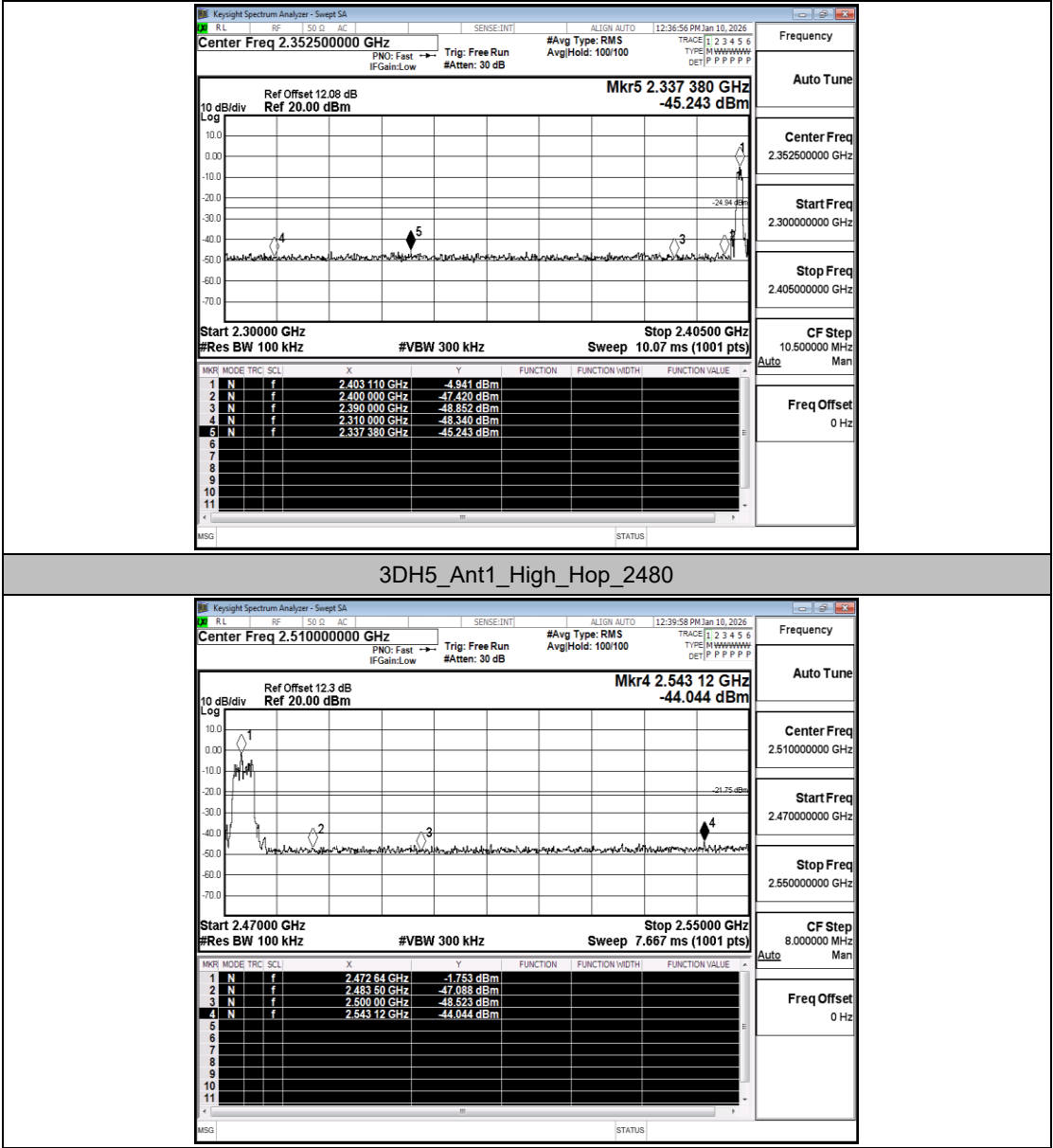












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-57.28	≤-19.49	PASS
			1000~26500	0.51	-40.54	≤-19.49	PASS
		2441	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-62.53	≤-18.57	PASS
			1000~26500	1.43	-40.61	≤-18.57	PASS
		2480	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-61.45	≤-17.39	PASS
			1000~26500	2.61	-42.76	≤-17.39	PASS
2DH5	Ant1	2402	Reference	0.32	0.32	---	PASS
			30~1000	0.32	-63.55	≤-19.68	PASS
			1000~26500	0.32	-47.55	≤-19.68	PASS
		2441	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-37.81	≤-18.43	PASS
			1000~26500	1.57	-54.89	≤-18.43	PASS
		2480	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-54.86	≤-17.35	PASS
			1000~26500	2.65	-45.43	≤-17.35	PASS
3DH5	Ant1	2402	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-64.41	≤-19.5	PASS
			1000~26500	0.50	-46.17	≤-19.5	PASS
		2441	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-62.13	≤-18.39	PASS
			1000~26500	1.61	-46.76	≤-18.39	PASS
		2480	Reference	2.62	2.62	---	PASS
			30~1000	2.62	-63.19	≤-17.38	PASS
			1000~26500	2.62	-46.98	≤-17.38	PASS

Note: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.

Test Graphs

