

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: W6C Tablet

Test Model: W6C

Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

A.1 20dB Emission Bandwidth

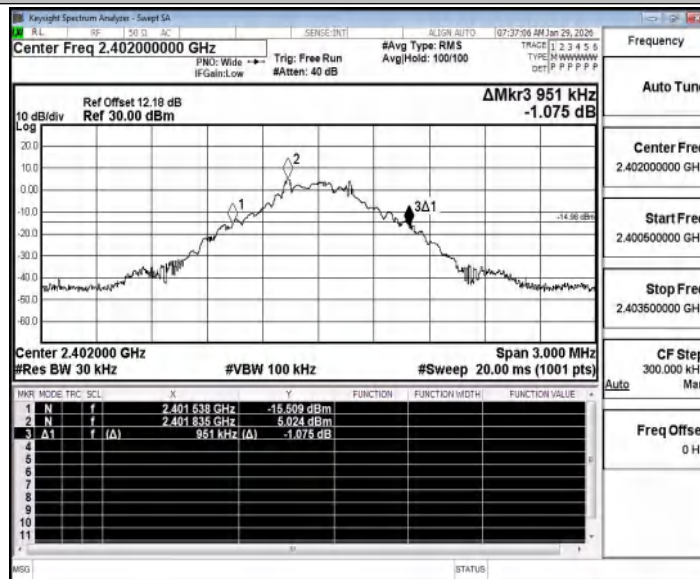
Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.538	2402.489	No Limit	Pass
		2441	0.957	2440.541	2441.498	No Limit	Pass
		2480	0.960	2479.538	2480.498	No Limit	Pass
2DH5	Ant1	2402	1.284	2401.367	2402.651	No Limit	Pass
		2441	1.299	2440.355	2441.654	No Limit	Pass
		2480	1.284	2479.367	2480.651	No Limit	Pass
3DH5	Ant1	2402	1.293	2401.352	2402.645	No Limit	Pass
		2441	1.302	2440.349	2441.651	No Limit	Pass
		2480	1.302	2479.349	2480.651	No Limit	Pass

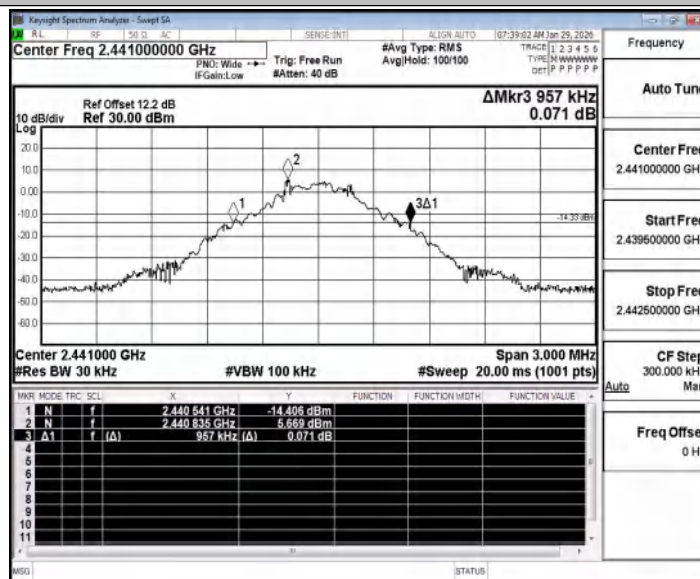
Note :offset=System attenuation +cabal loss

Test Graphs

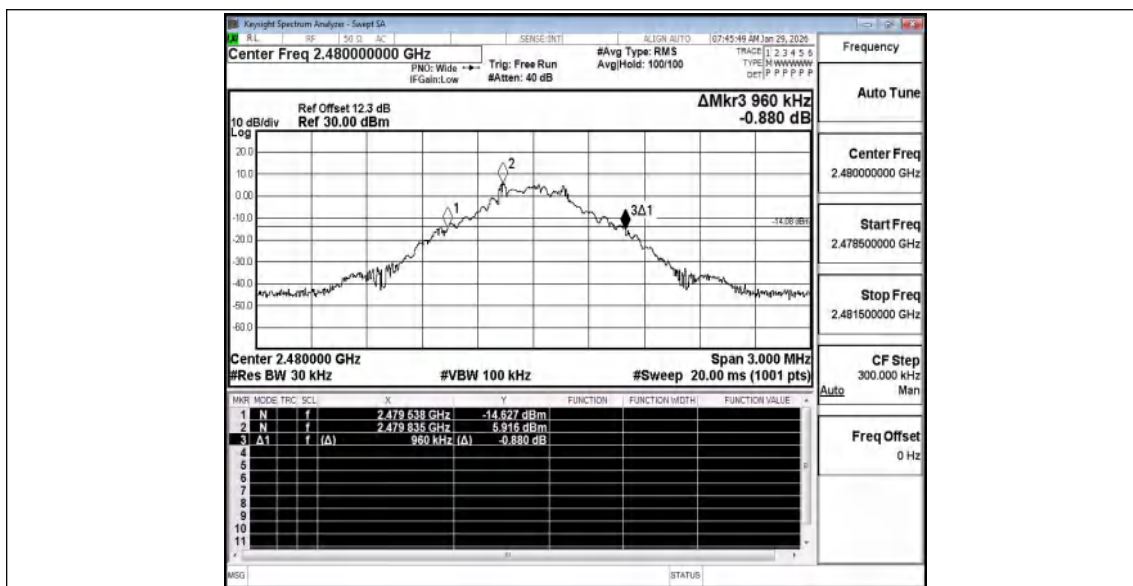
DH5_Ant1_2402



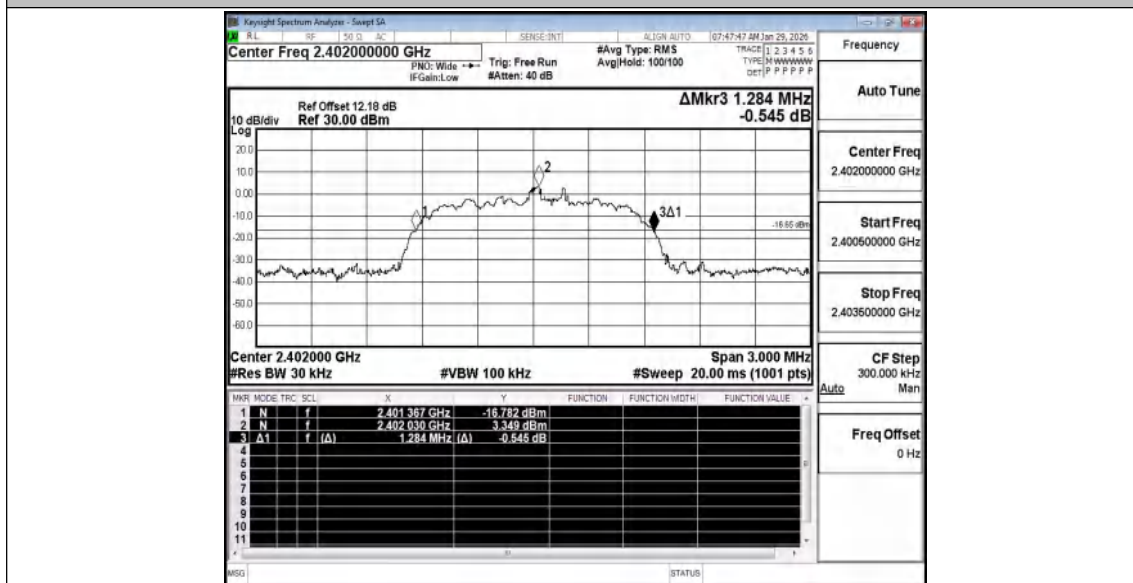
DH5_Ant1_2441



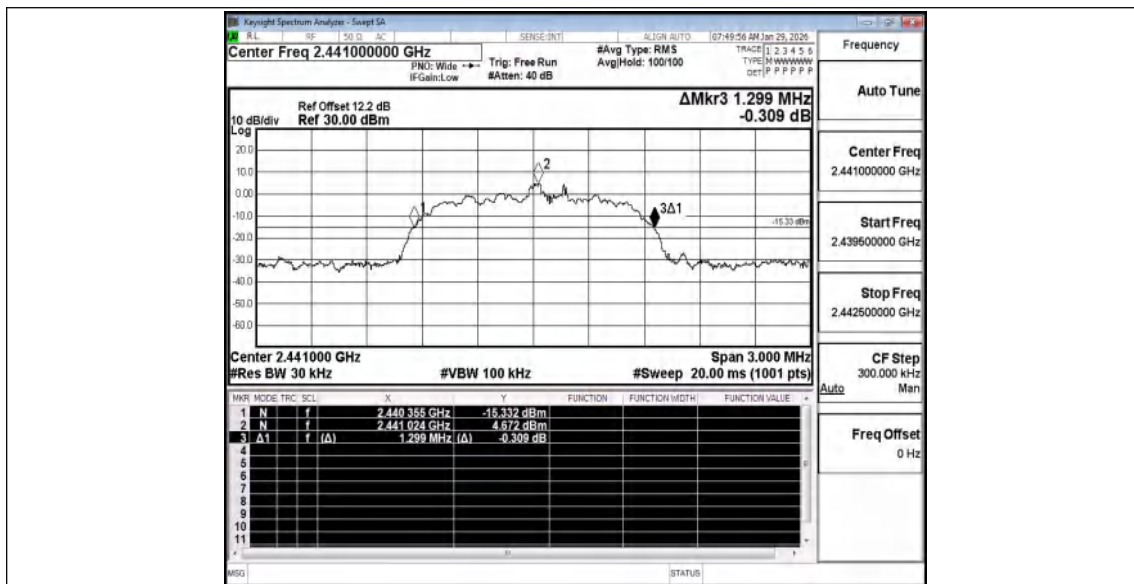
DH5_Ant1_2480



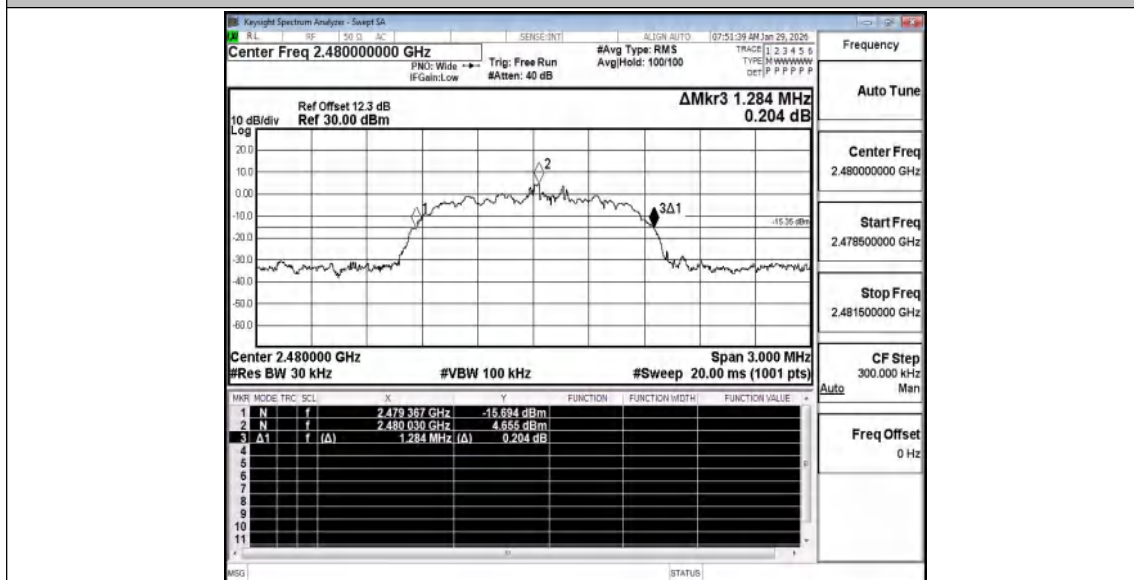
2DH5_Ant1_2402



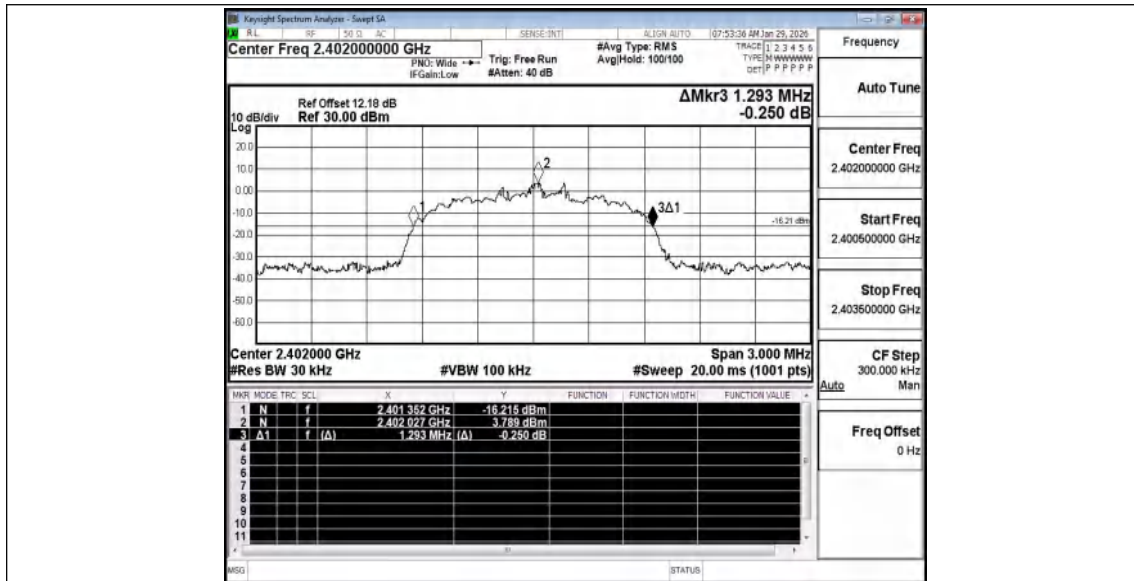
2DH5_Ant1_2441



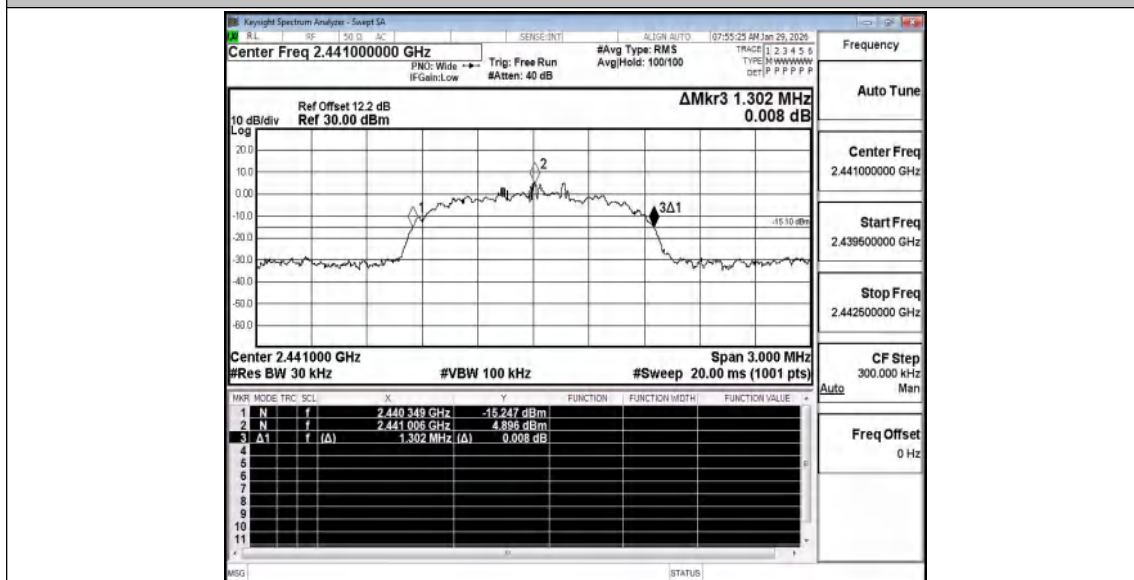
2DH5_Ant1_2480



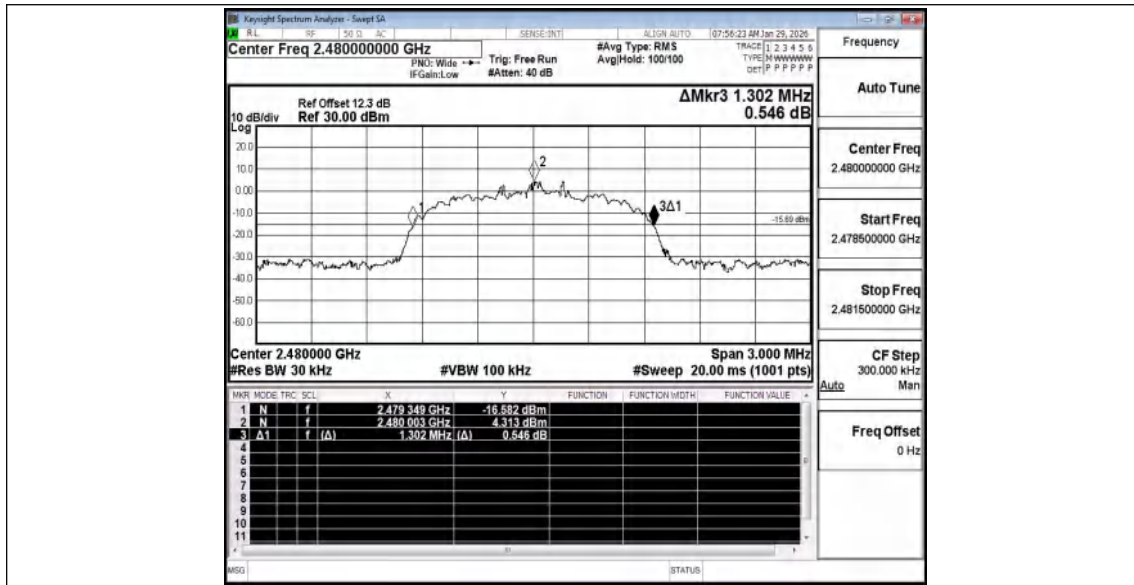
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



A.2 Maximum Peak Conducted Output Power

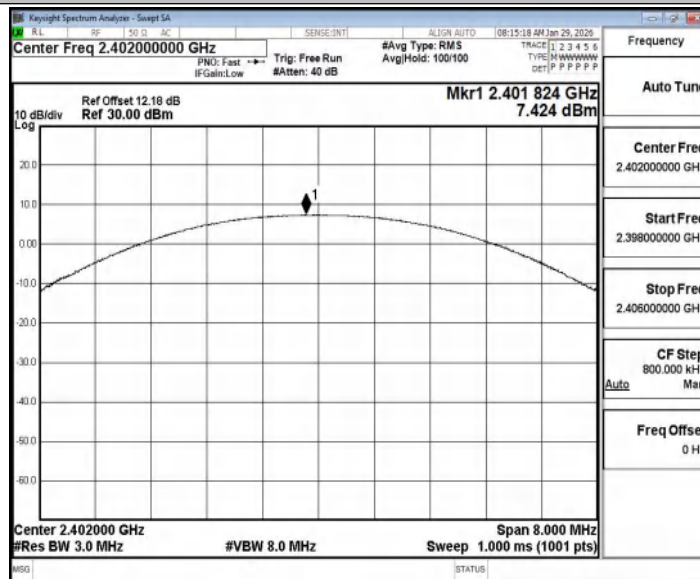
Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	7.42	≤30	PASS
		2441	8.10	≤30	PASS
		2480	8.13	≤30	PASS
2DH5	Ant1	2402	7.83	≤20.97	PASS
		2441	9.04	≤20.97	PASS
		2480	8.62	≤20.97	PASS
3DH5	Ant1	2402	7.92	≤20.97	PASS
		2441	9.18	≤20.97	PASS
		2480	8.73	≤20.97	PASS

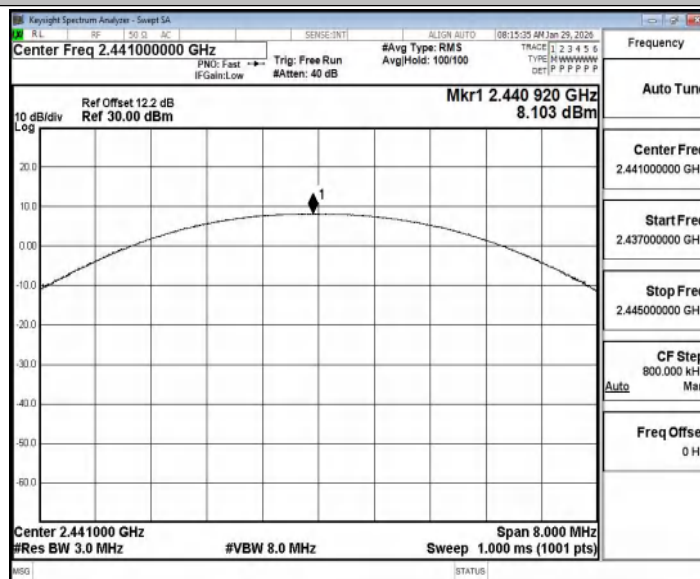
Note :offset=System attenuation +cabel loss

Test Graphs

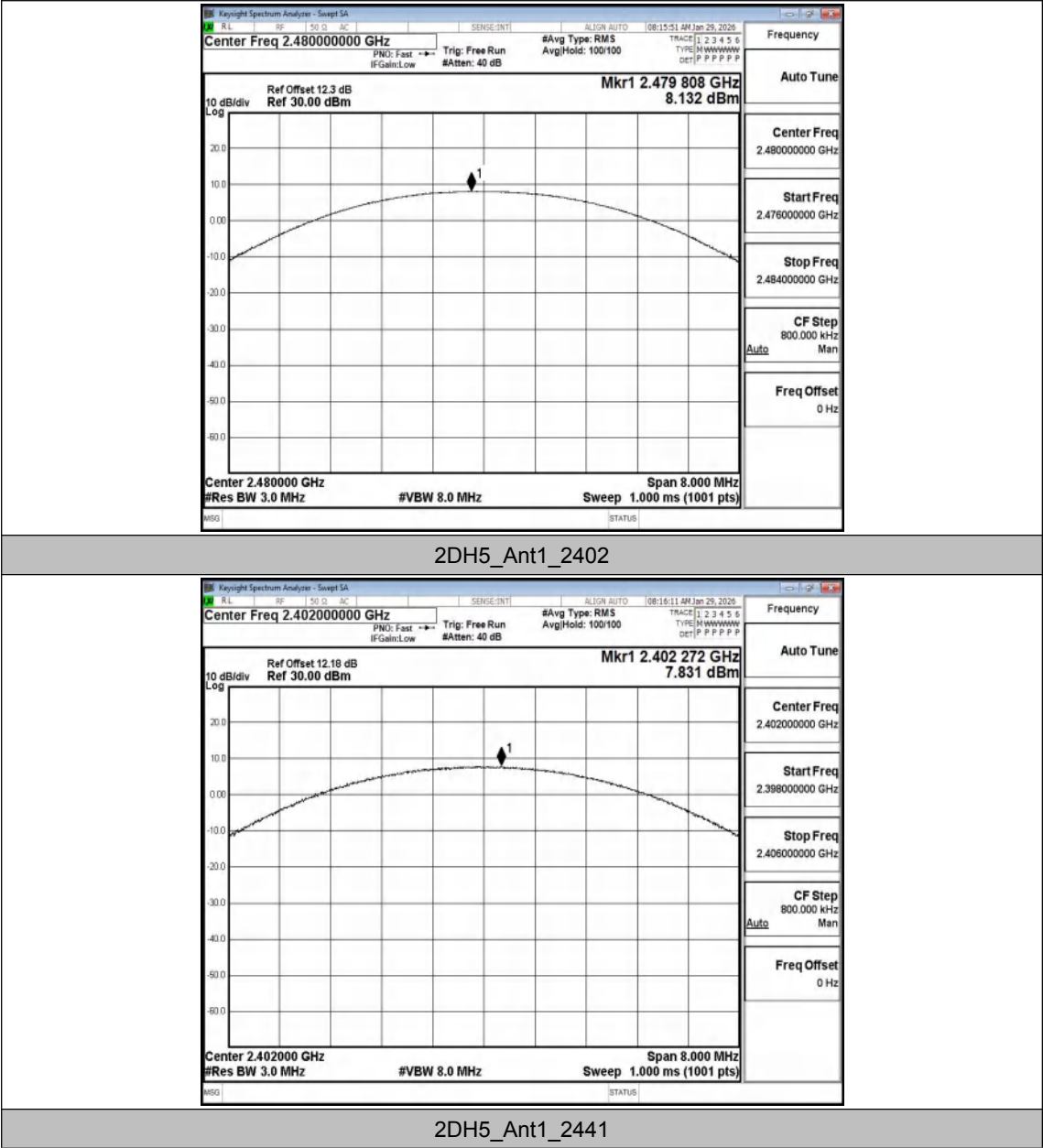
DH5_Ant1_2402

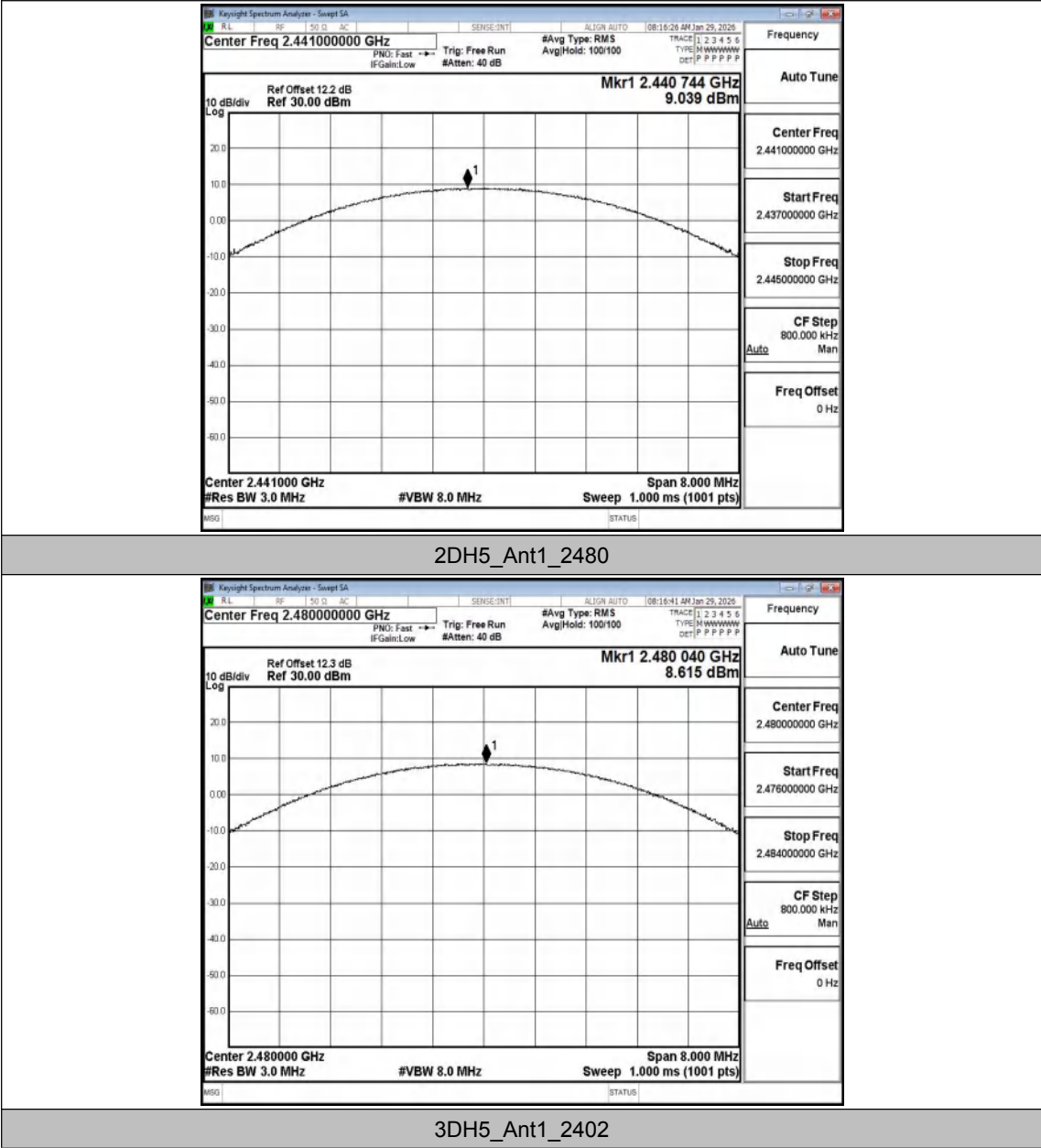


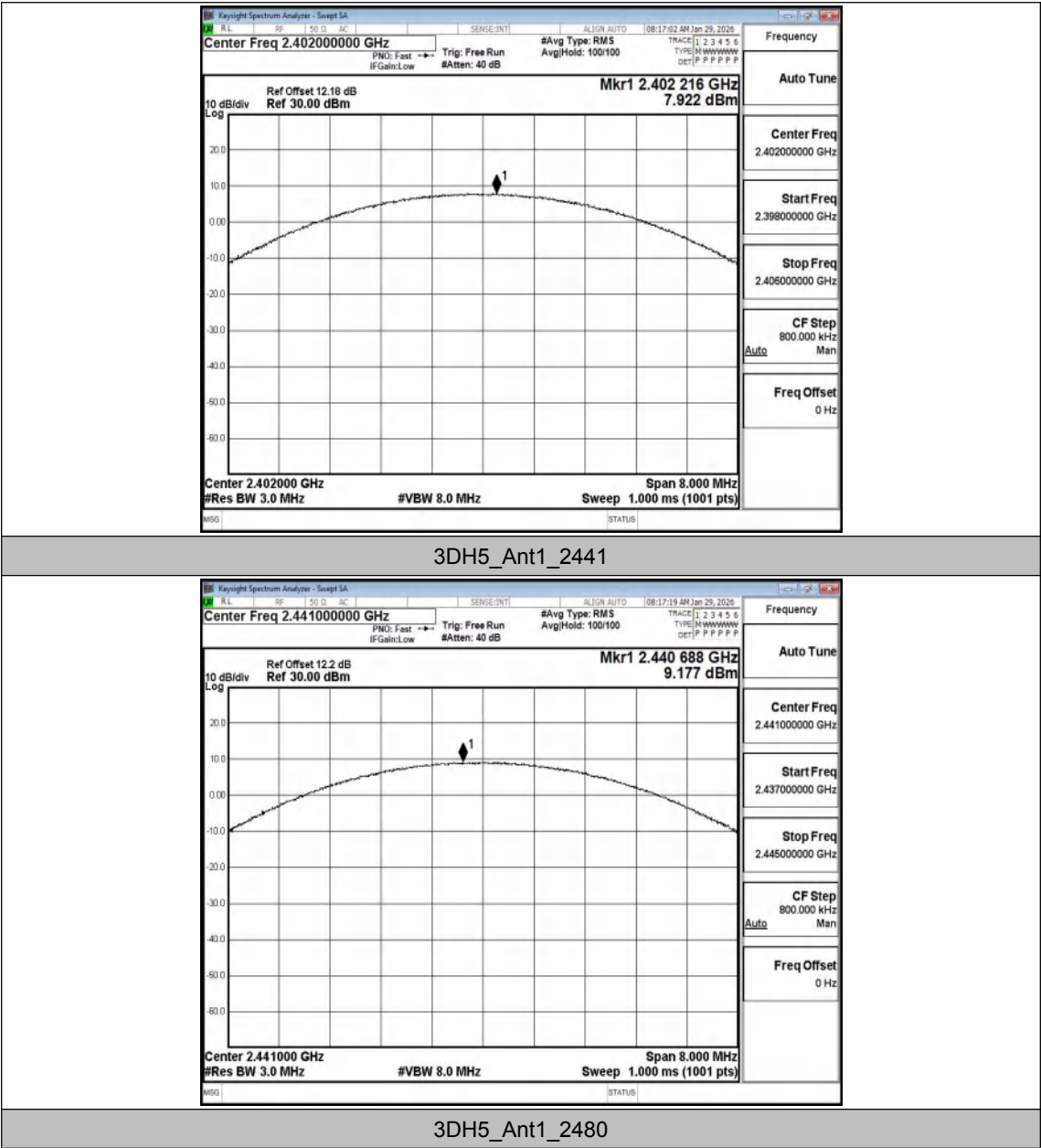
DH5_Ant1_2441

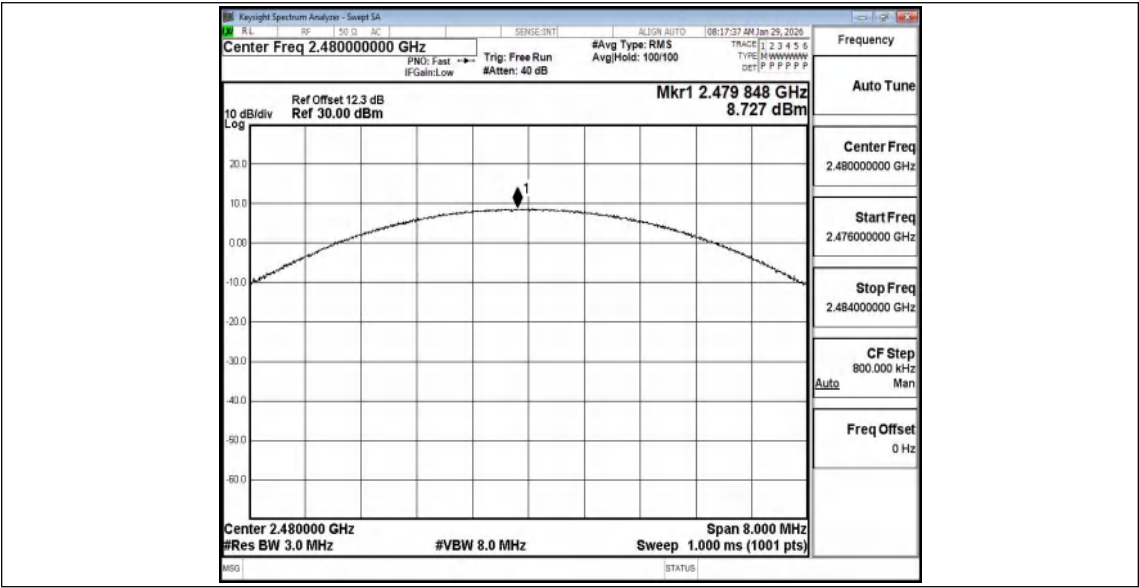


DH5_Ant1_2480









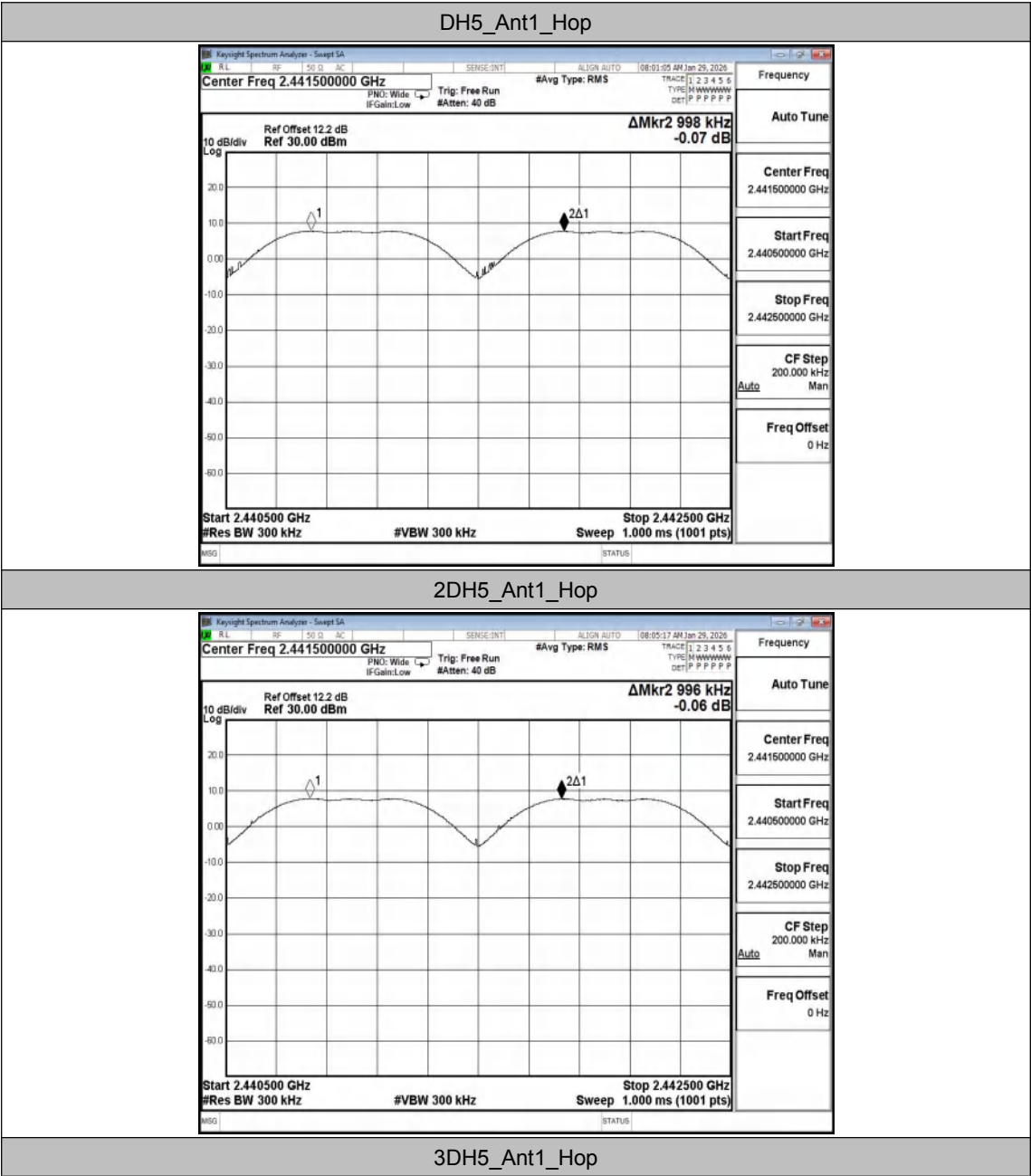
A.3 Carrier frequency separation

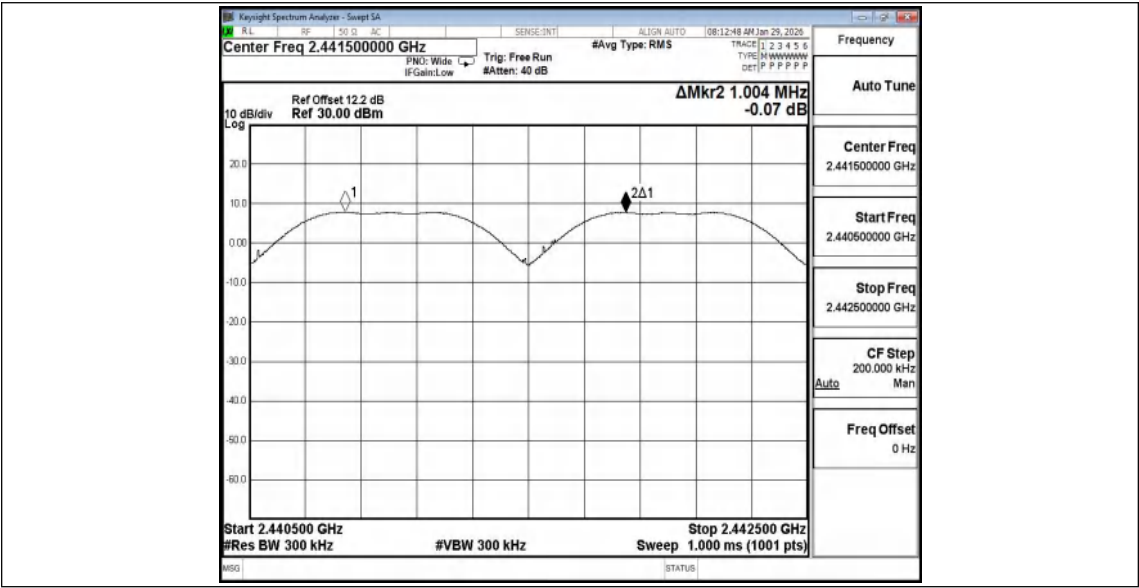
Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.640	PASS
2DH5	Ant1	Hop	0.996	≥0.866	PASS
3DH5	Ant1	Hop	1.004	≥0.868	PASS

Note :offset=System attenuation +cabal loss

Test Graphs





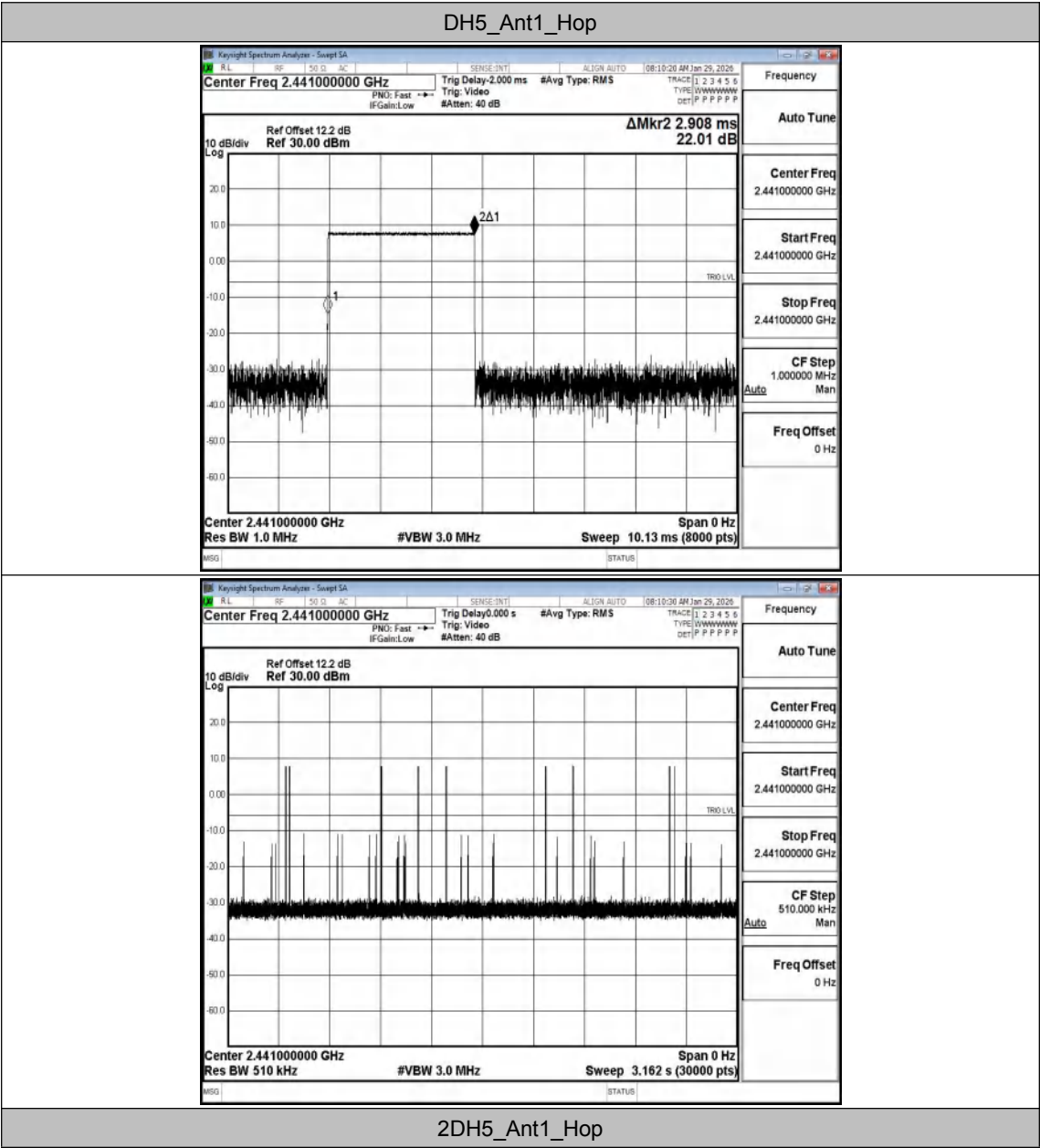
A.4 Time of occupancy

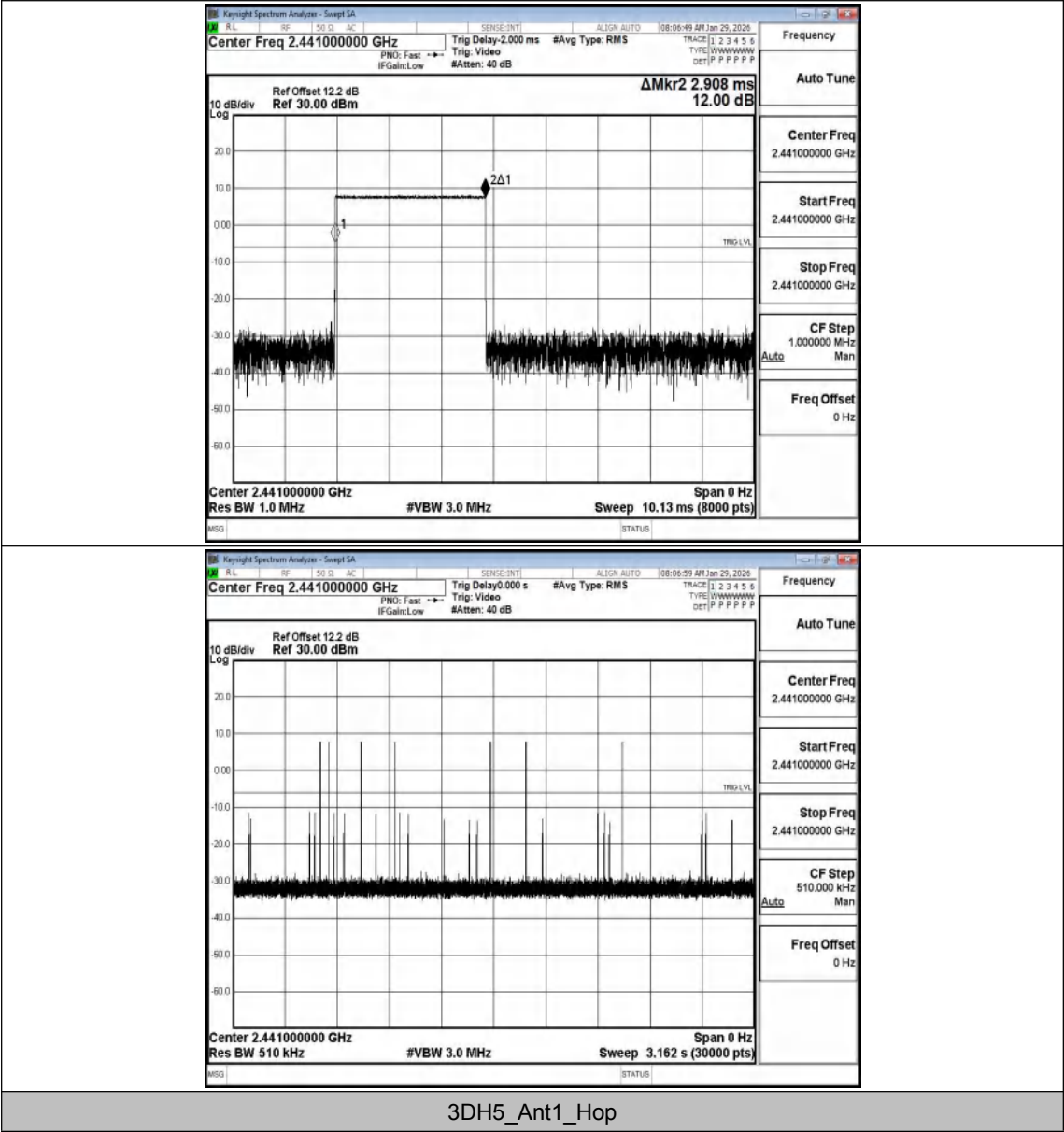
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.908	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS

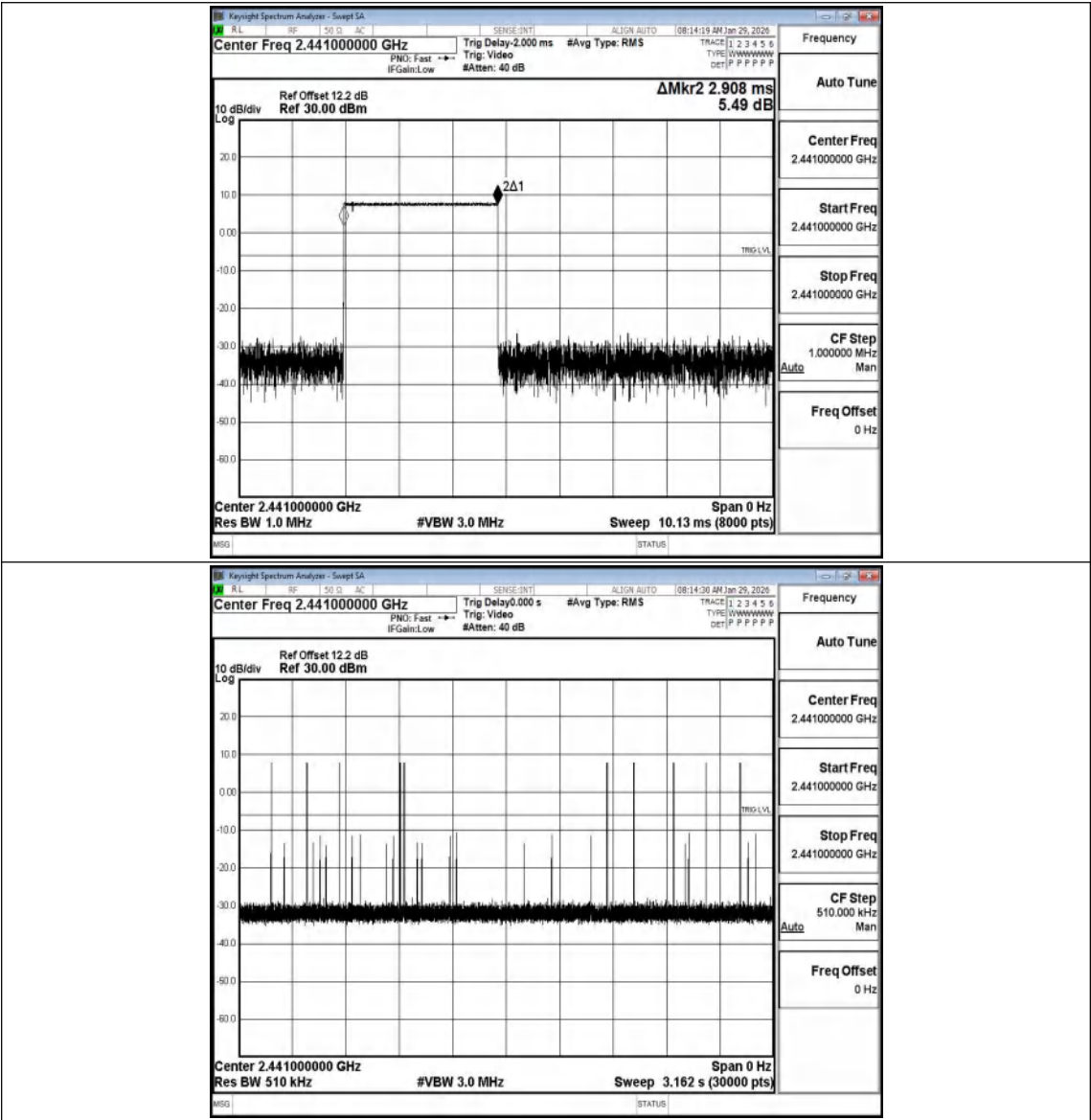
Note :offset=System attenuation +cabal loss

Test Graphs





3DH5_Ant1_Hop



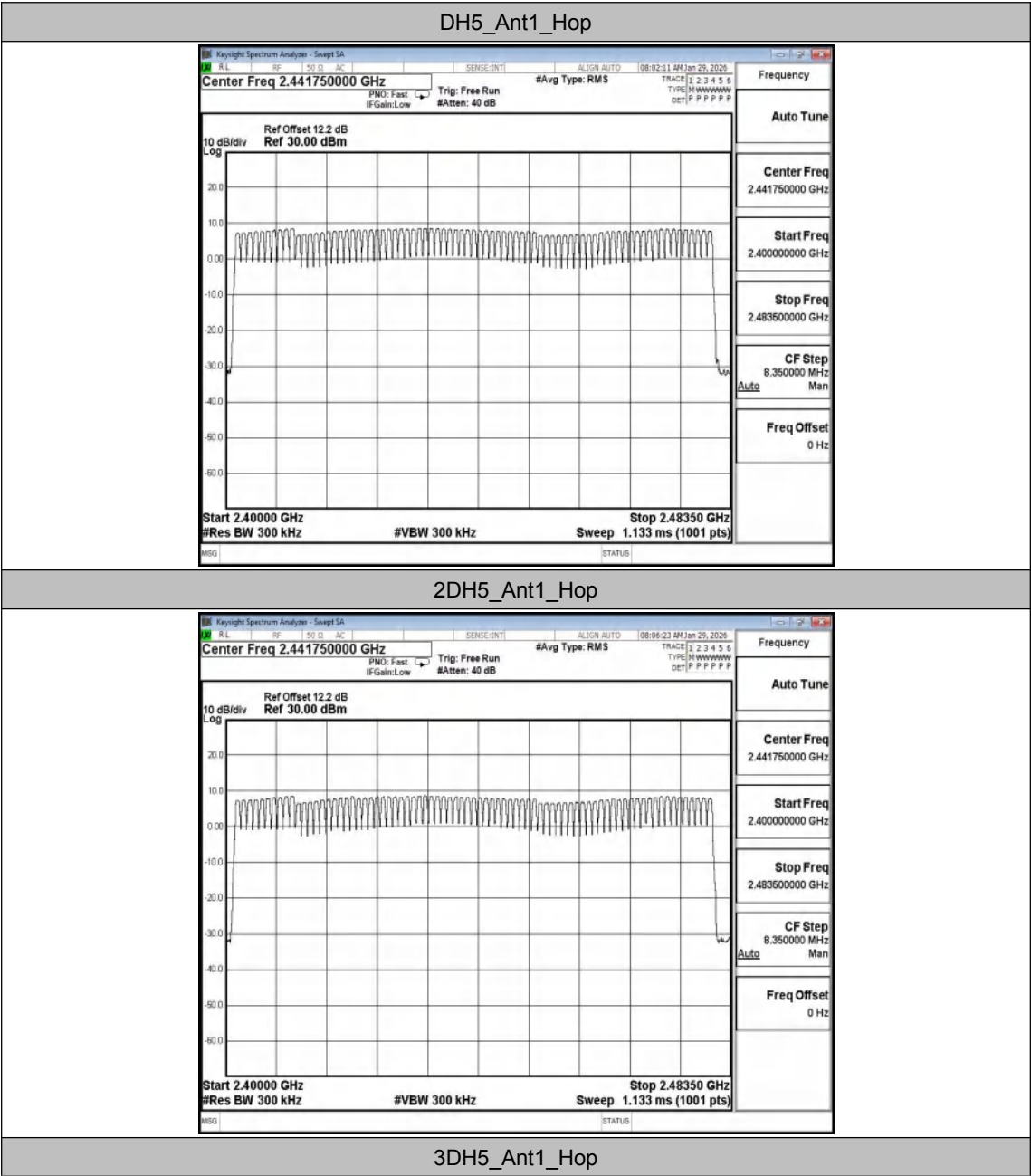
A.5 Number of hopping channels

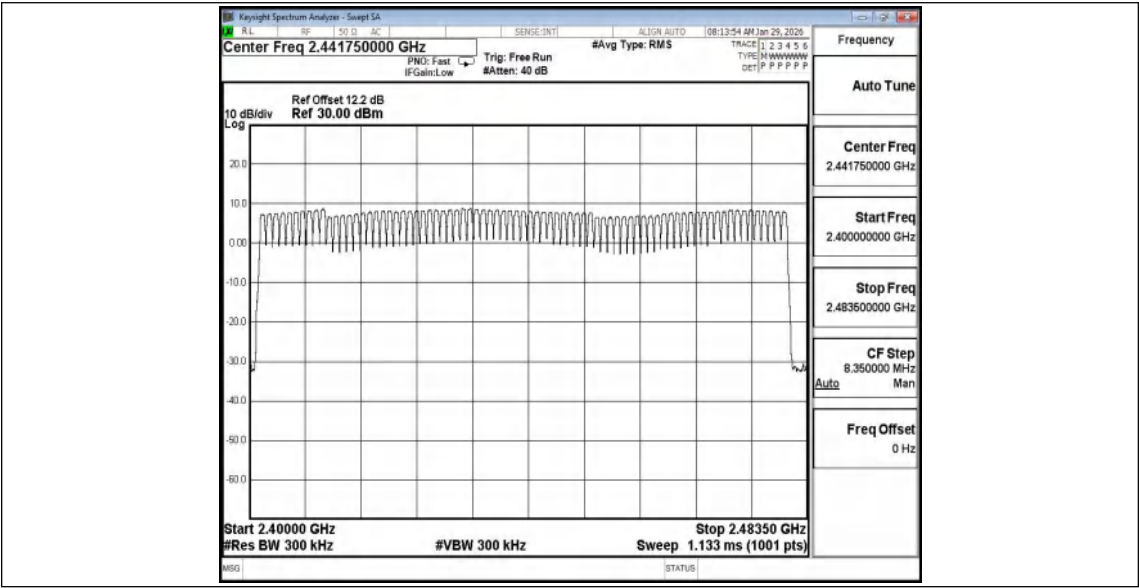
Test Result

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 +cabal loss

Test Graphs





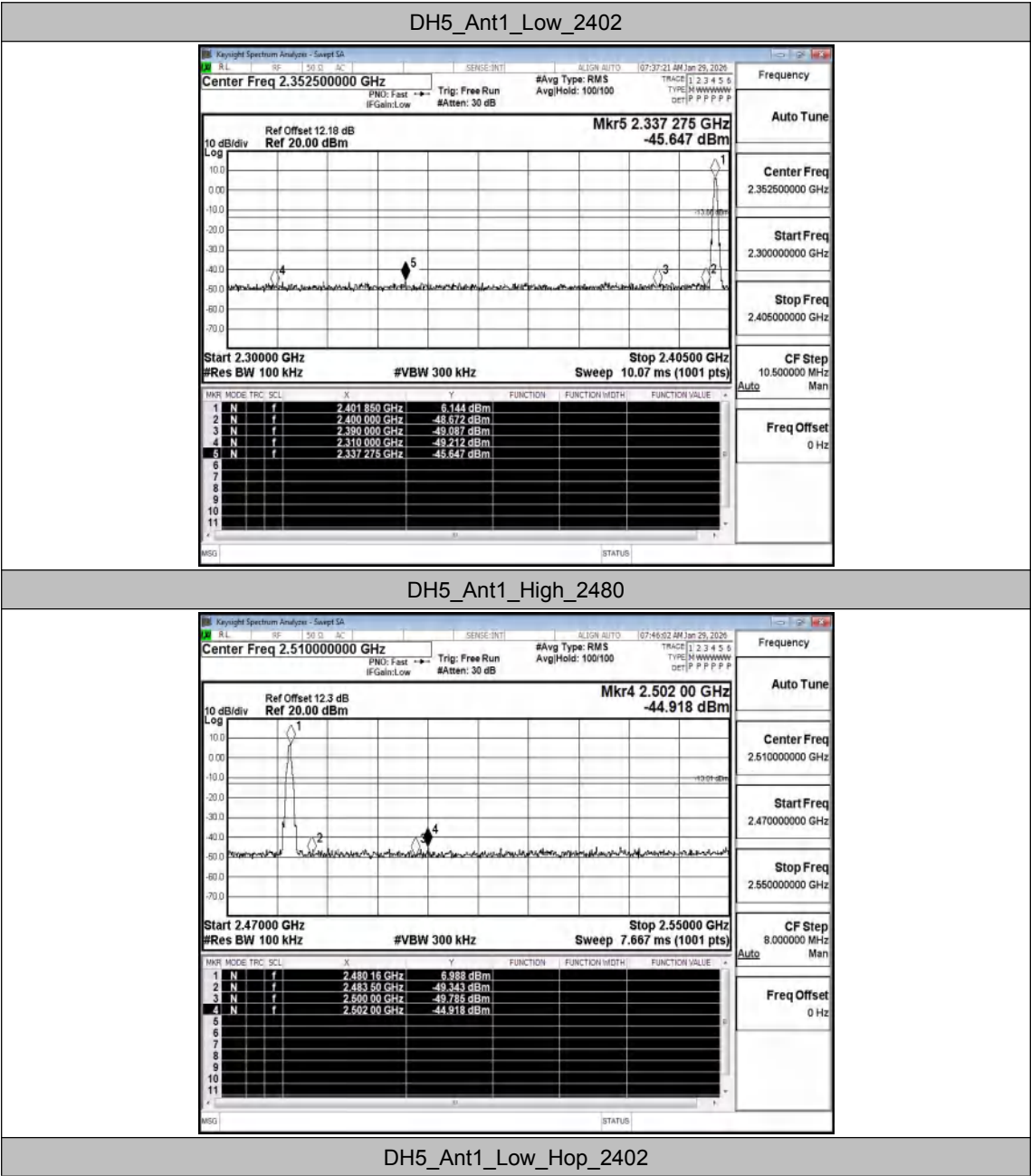
A.6 Band edge measurements

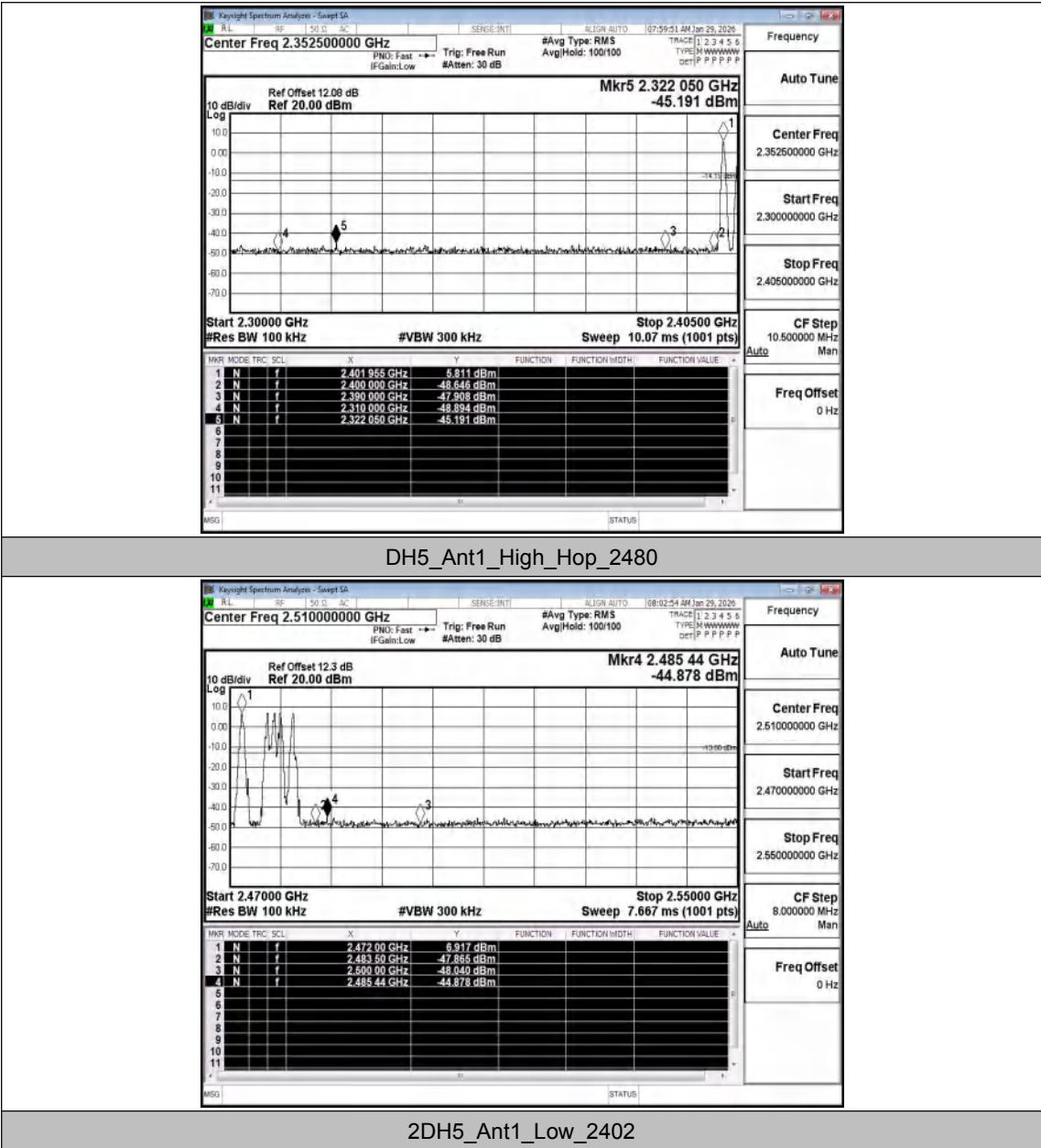
Test Result

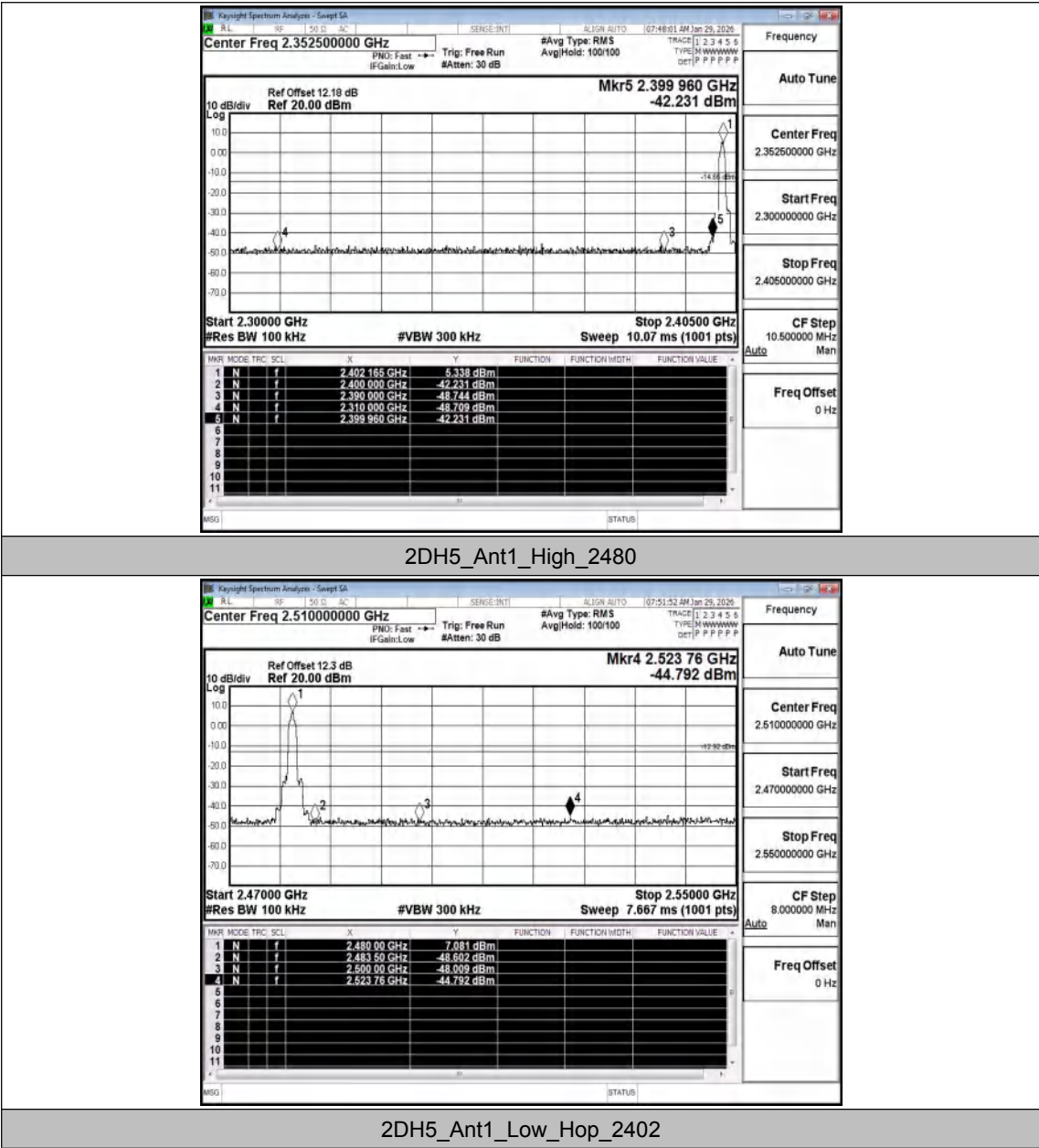
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.14	-45.65	≤ -13.86	PASS
		High	2480	6.99	-44.92	≤ -13.01	PASS
		Low	Hop_2402	5.81	-45.19	≤ -14.19	PASS
		High	Hop_2480	6.92	-44.88	≤ -13.08	PASS
2DH5	Ant1	Low	2402	5.34	-42.23	≤ -14.66	PASS
		High	2480	7.08	-44.79	≤ -12.92	PASS
		Low	Hop_2402	4.00	-45.34	≤ -16	PASS
		High	Hop_2480	8.20	-44.23	≤ -11.8	PASS
3DH5	Ant1	Low	2402	3.80	-41.29	≤ -16.2	PASS
		High	2480	6.79	-44.26	≤ -13.21	PASS
		Low	Hop_2402	5.43	-45.53	≤ -14.57	PASS
		High	Hop_2480	7.22	-44.14	≤ -12.78	PASS

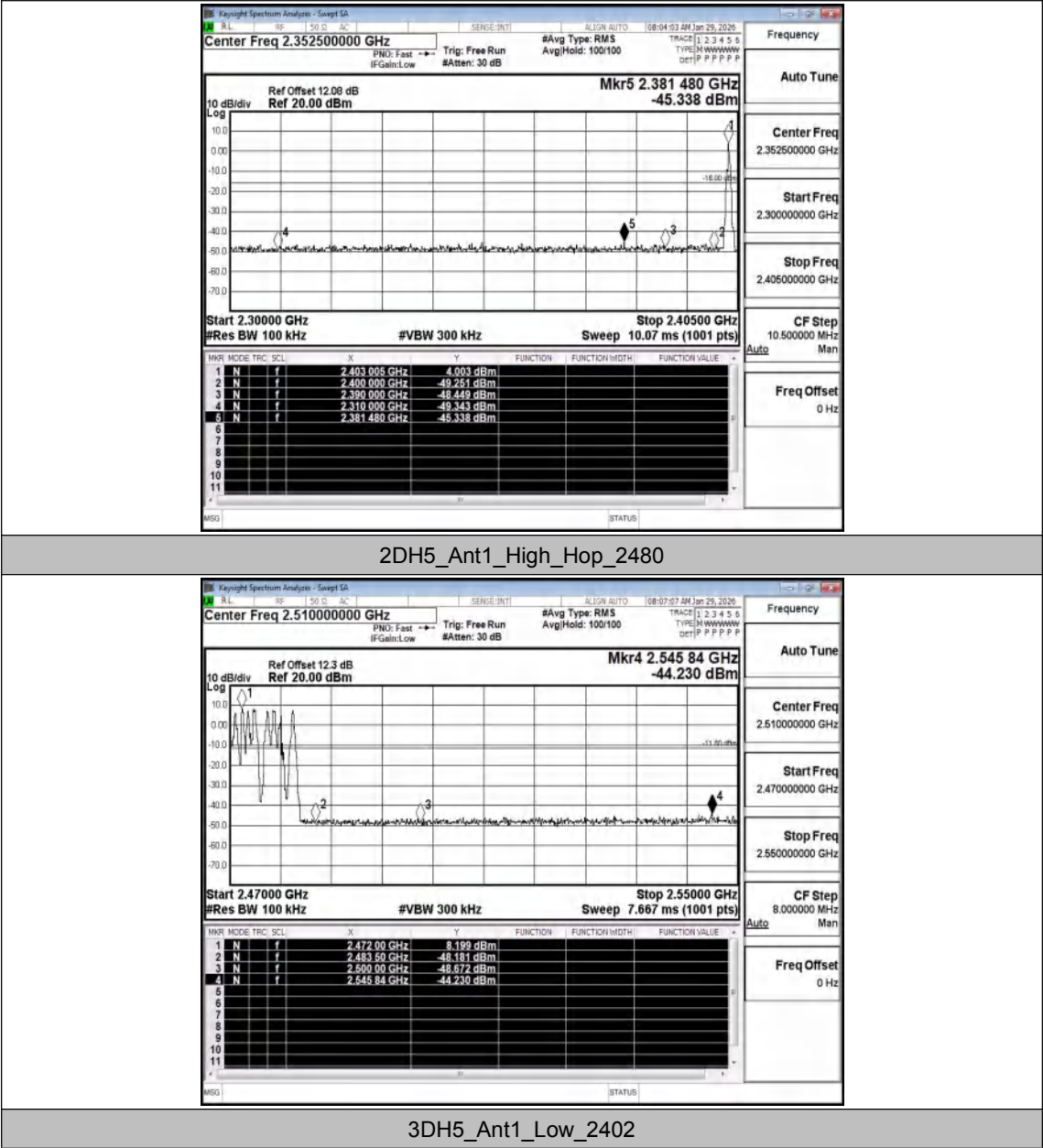
Note :offset=System attenuation +cabal loss

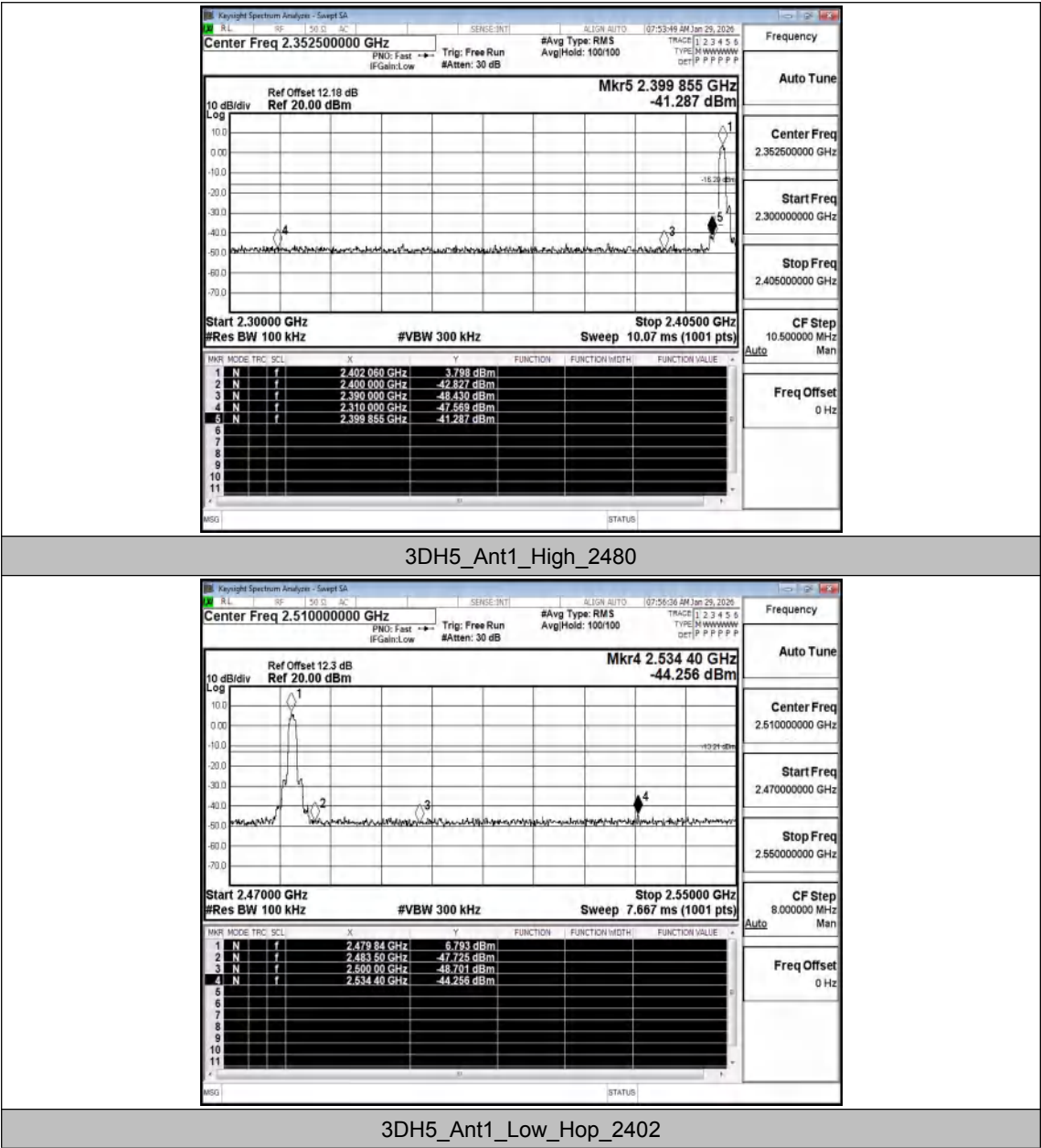
Test Graphs

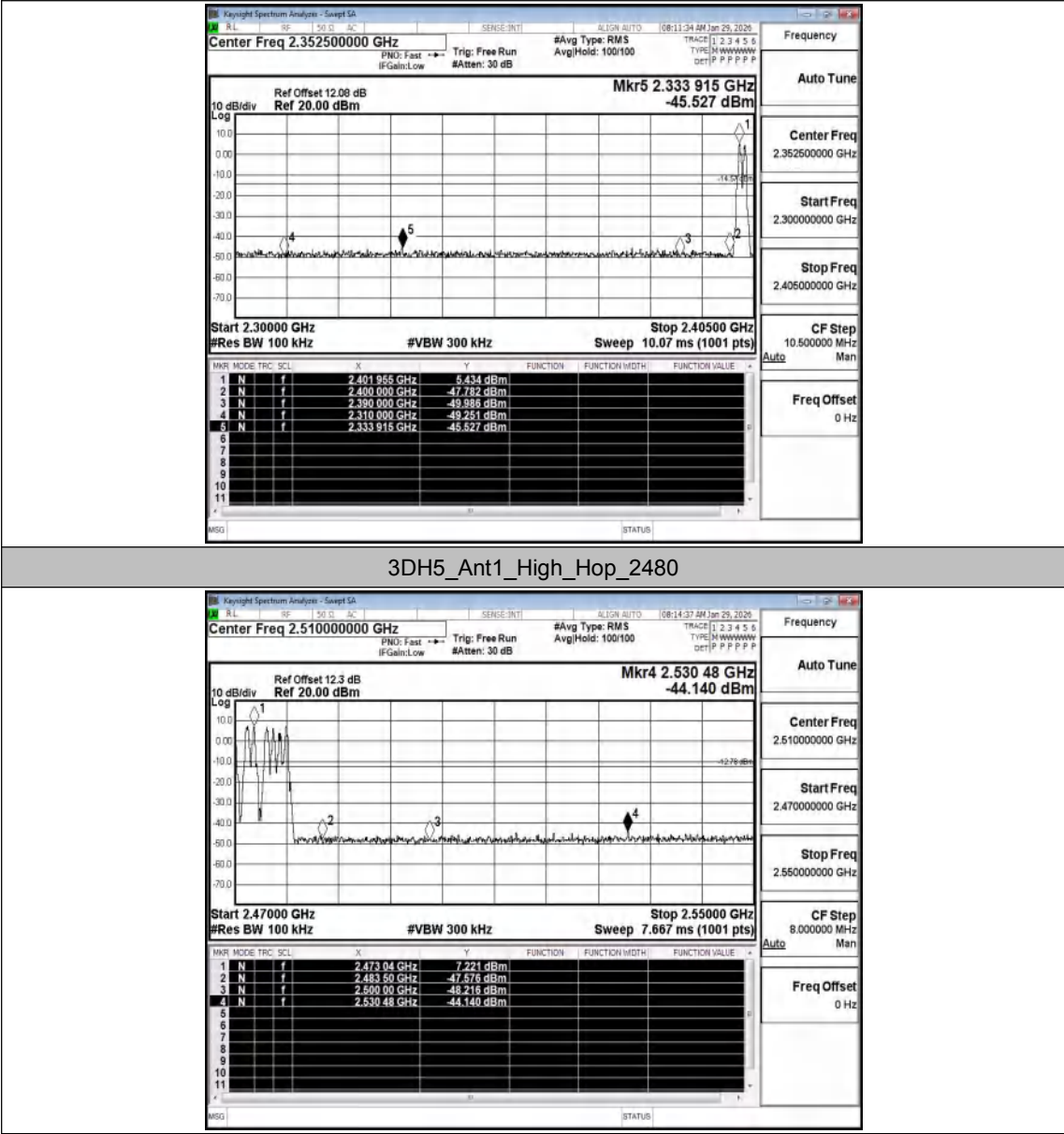












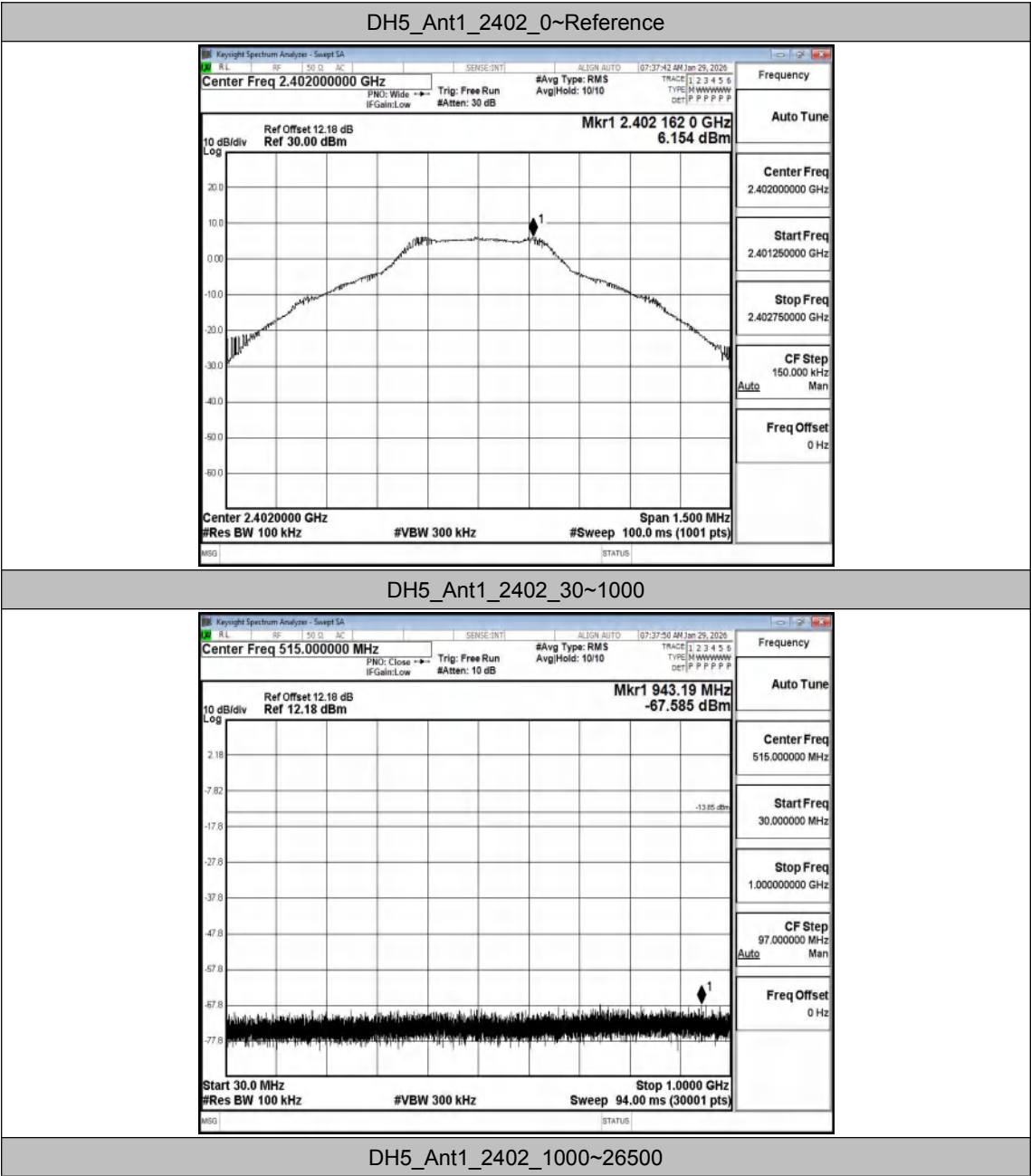
A.7 Conducted Spurious Emission

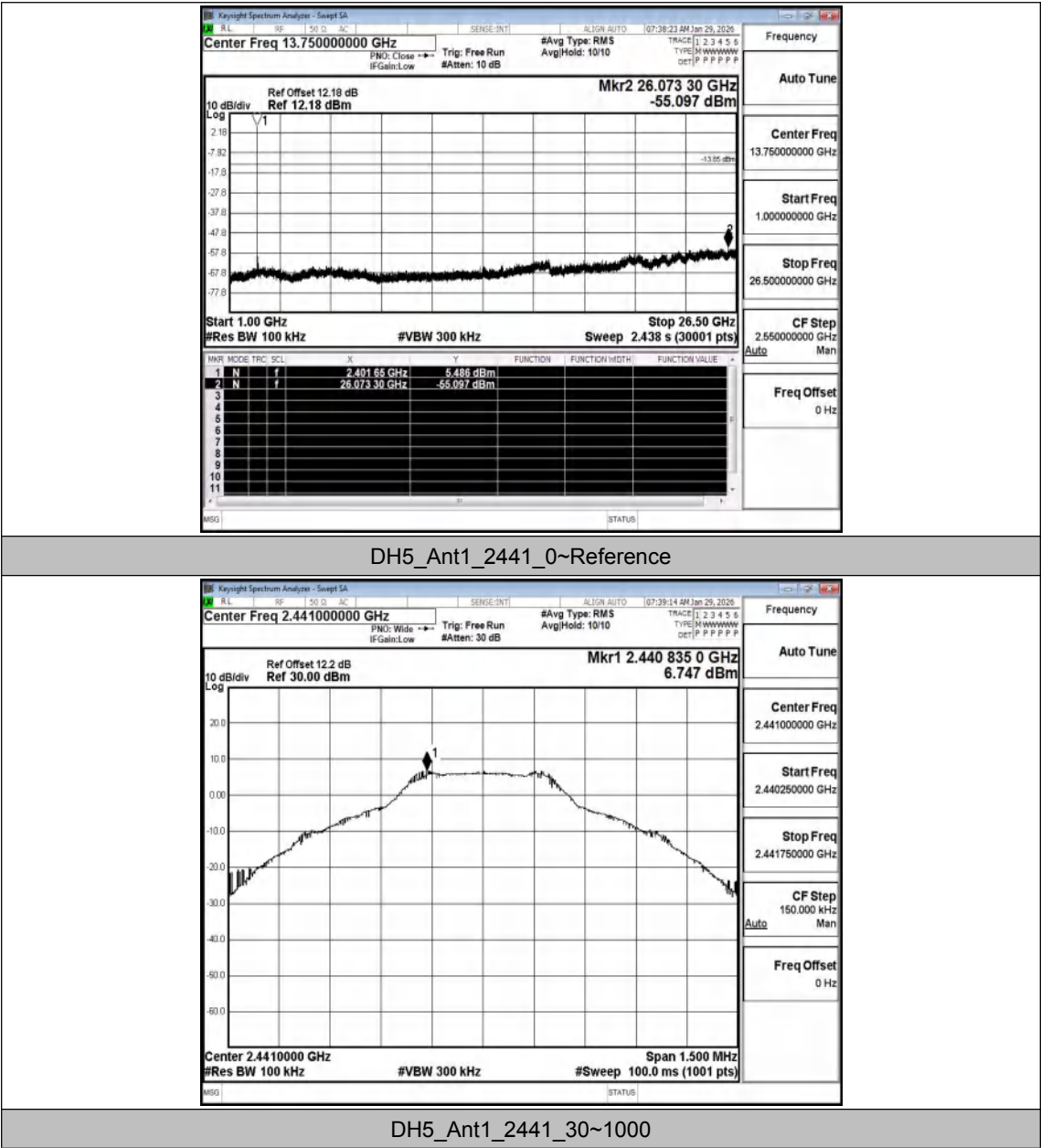
Test Result

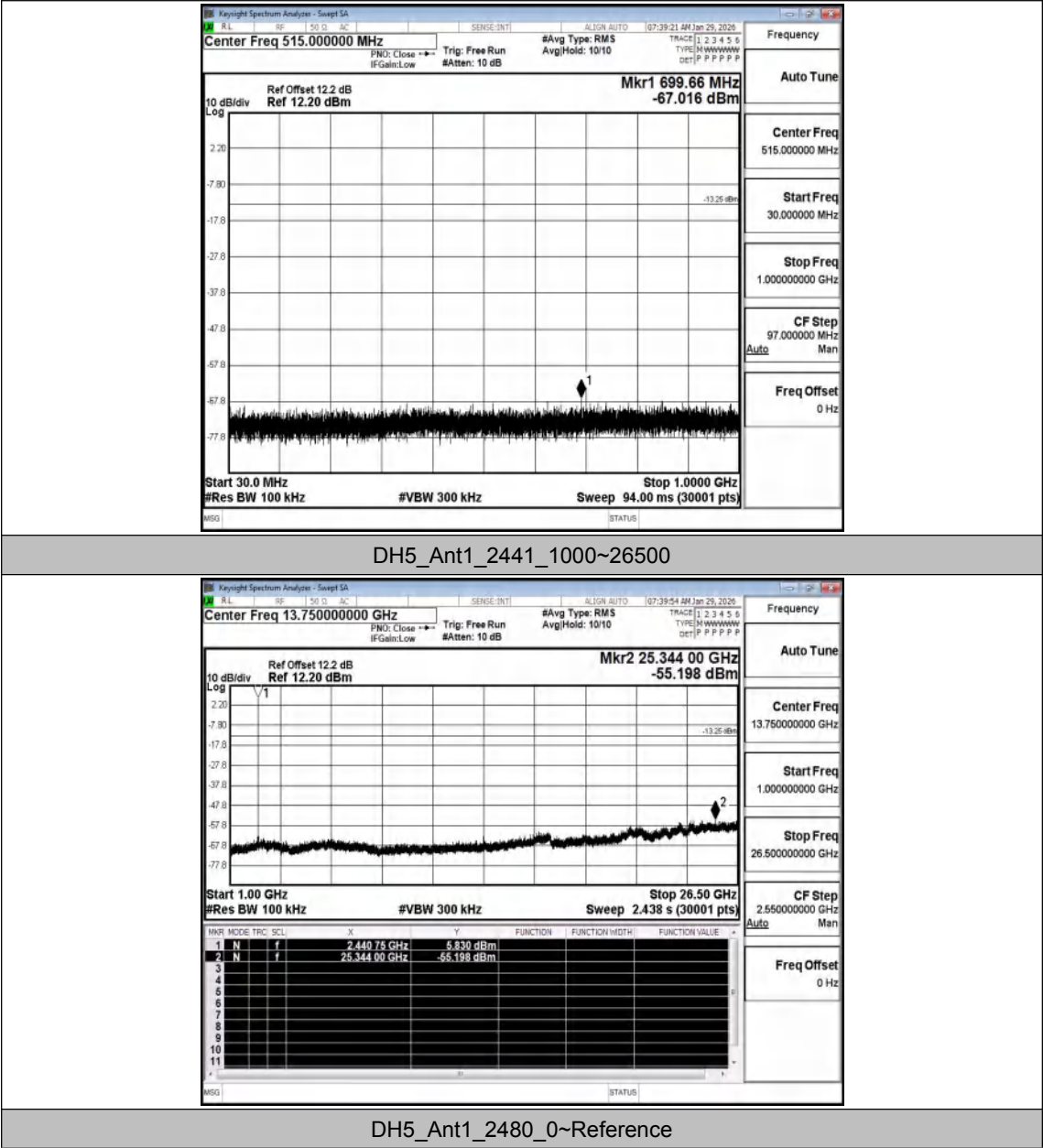
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.15	6.15	---	PASS
			30~1000	6.15	-67.59	≤-13.85	PASS
			1000~26500	6.15	-55.1	≤-13.85	PASS
		2441	Reference	6.75	6.75	---	PASS
			30~1000	6.75	-67.02	≤-13.25	PASS
			1000~26500	6.75	-55.2	≤-13.25	PASS
		2480	Reference	7.18	7.18	---	PASS
			30~1000	7.18	-67.59	≤-12.82	PASS
			1000~26500	7.18	-55.4	≤-12.82	PASS
2DH5	Ant1	2402	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-67.36	≤-14.29	PASS
			1000~26500	5.71	-54.1	≤-14.29	PASS
		2441	Reference	7.09	7.09	---	PASS
			30~1000	7.09	-67.52	≤-12.91	PASS
			1000~26500	7.09	-55.8	≤-12.91	PASS
		2480	Reference	6.96	6.96	---	PASS
			30~1000	6.96	-67.29	≤-13.04	PASS
			1000~26500	6.96	-55.02	≤-13.04	PASS
3DH5	Ant1	2402	Reference	6.08	6.08	---	PASS
			30~1000	6.08	-67.35	≤-13.92	PASS
			1000~26500	6.08	-55.65	≤-13.92	PASS
		2441	Reference	7.45	7.45	---	PASS
		2480	Reference	6.96	6.96	---	PASS

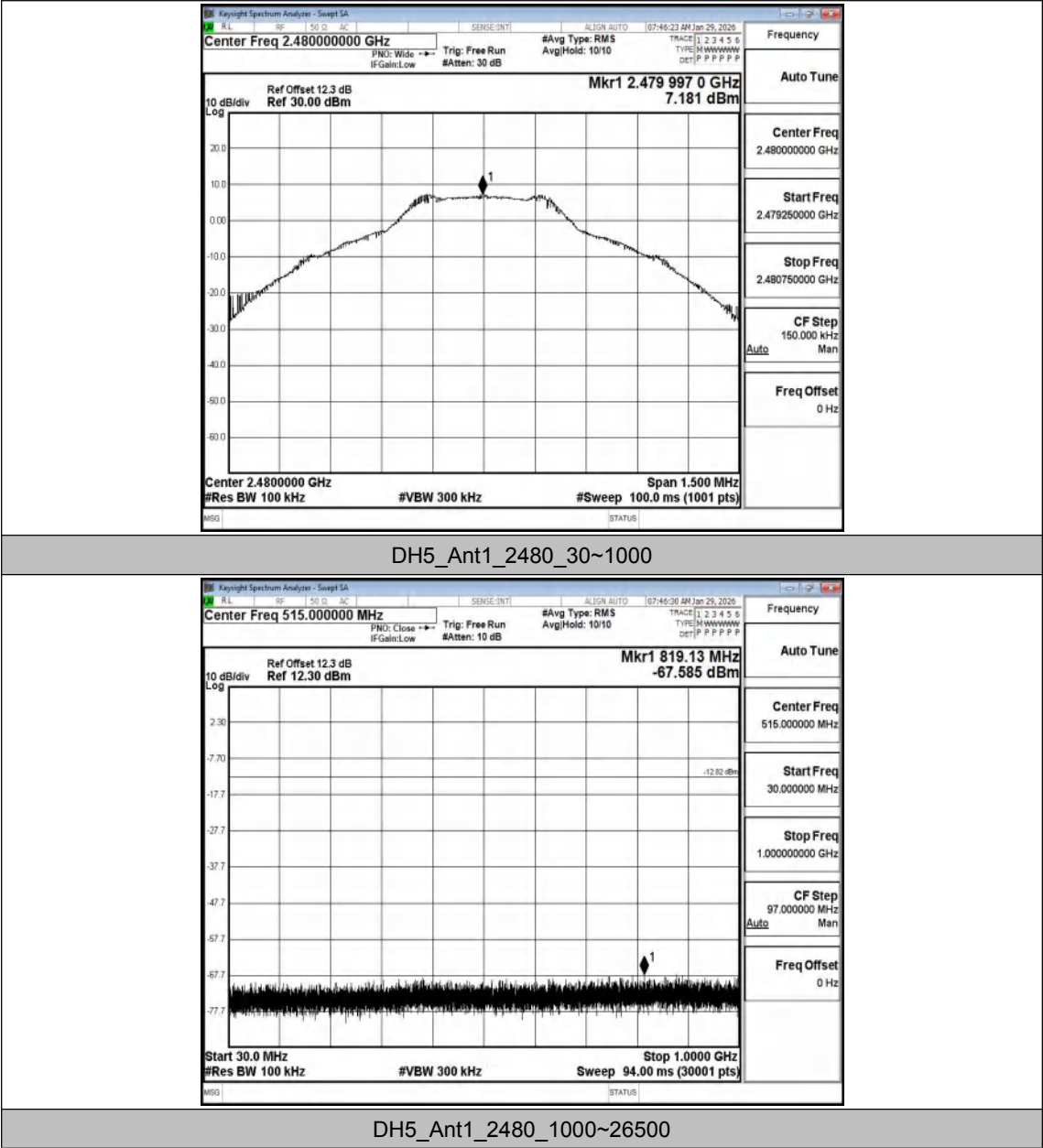
Note : Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.

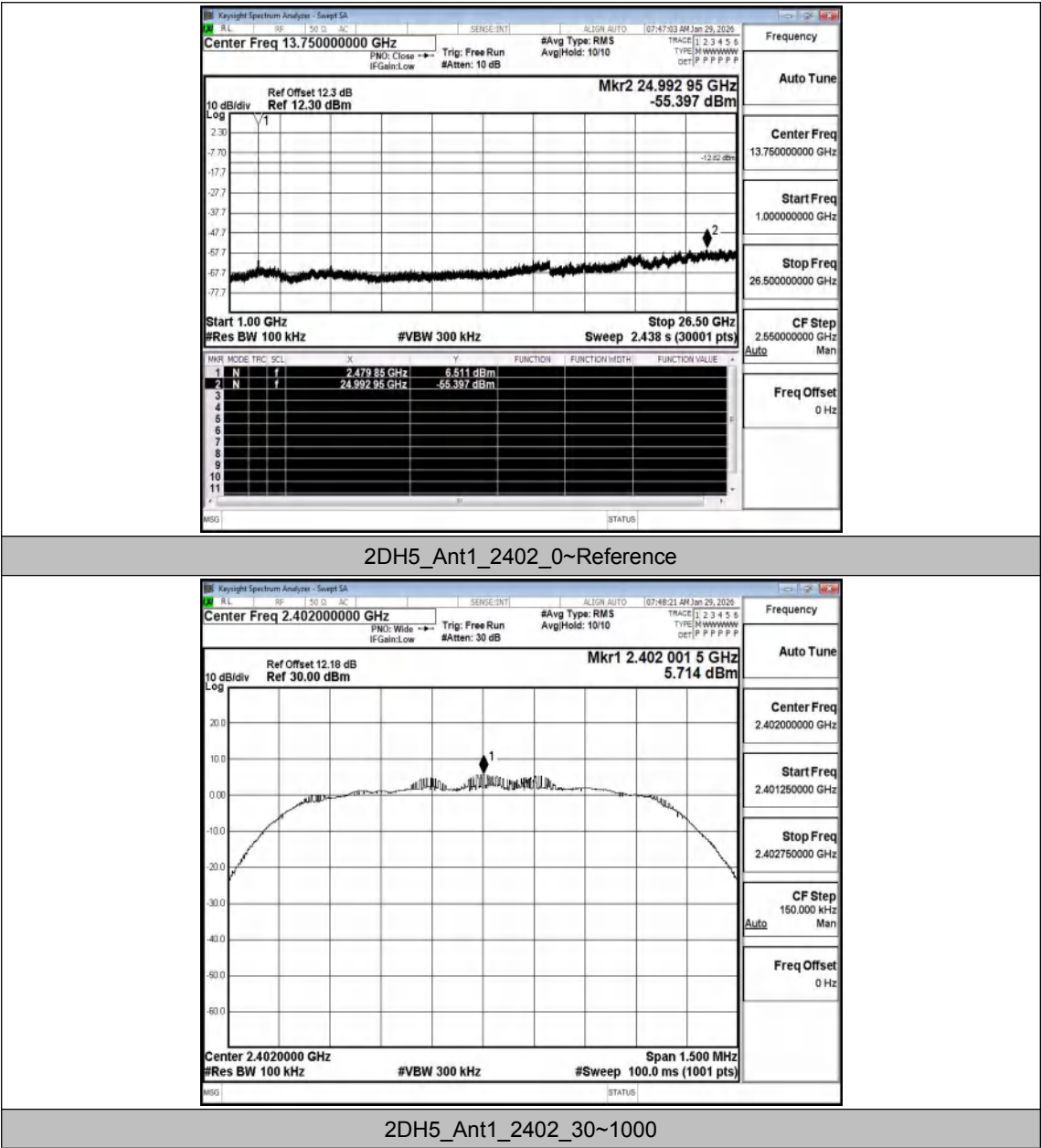
Test Graphs

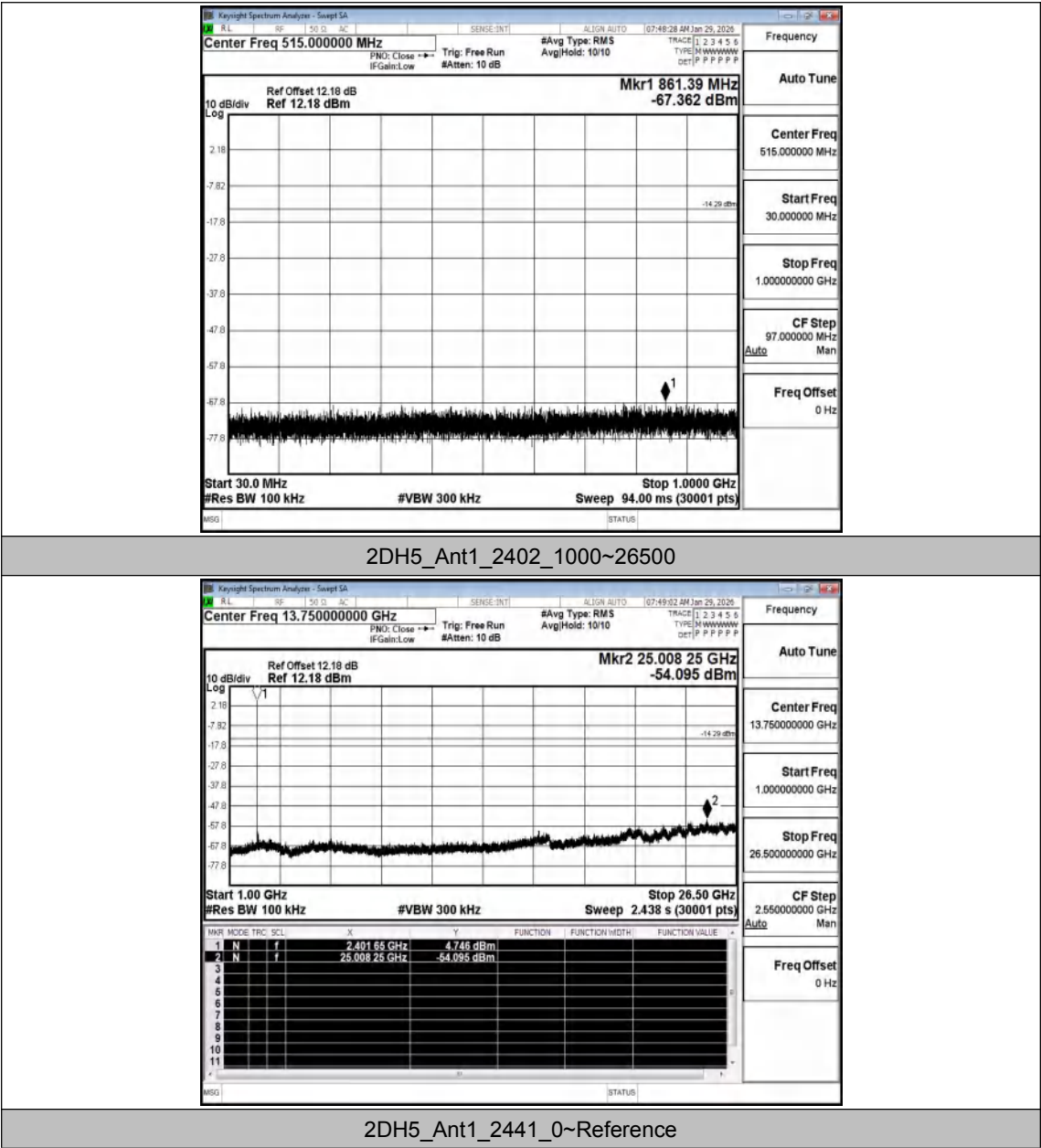


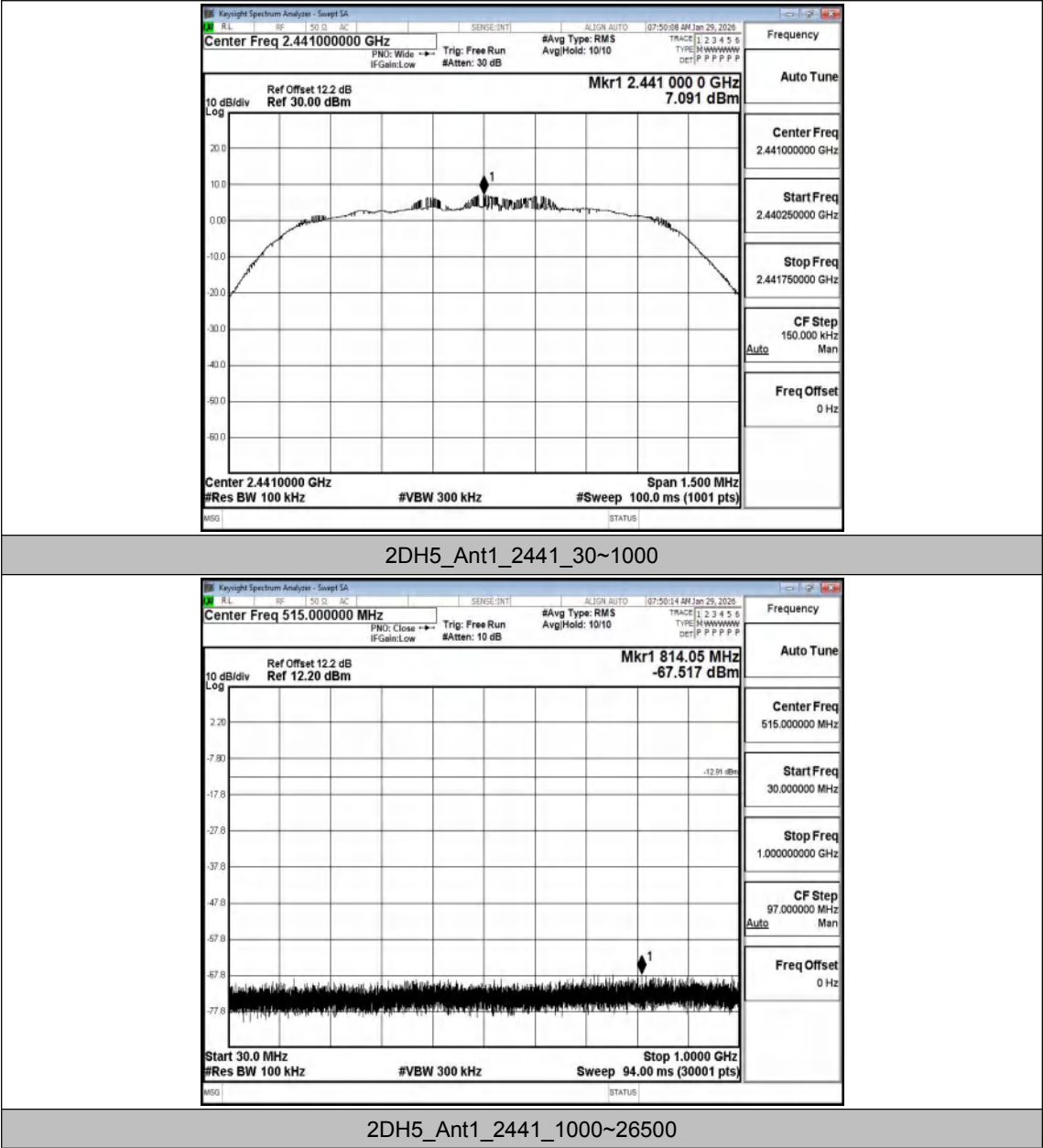


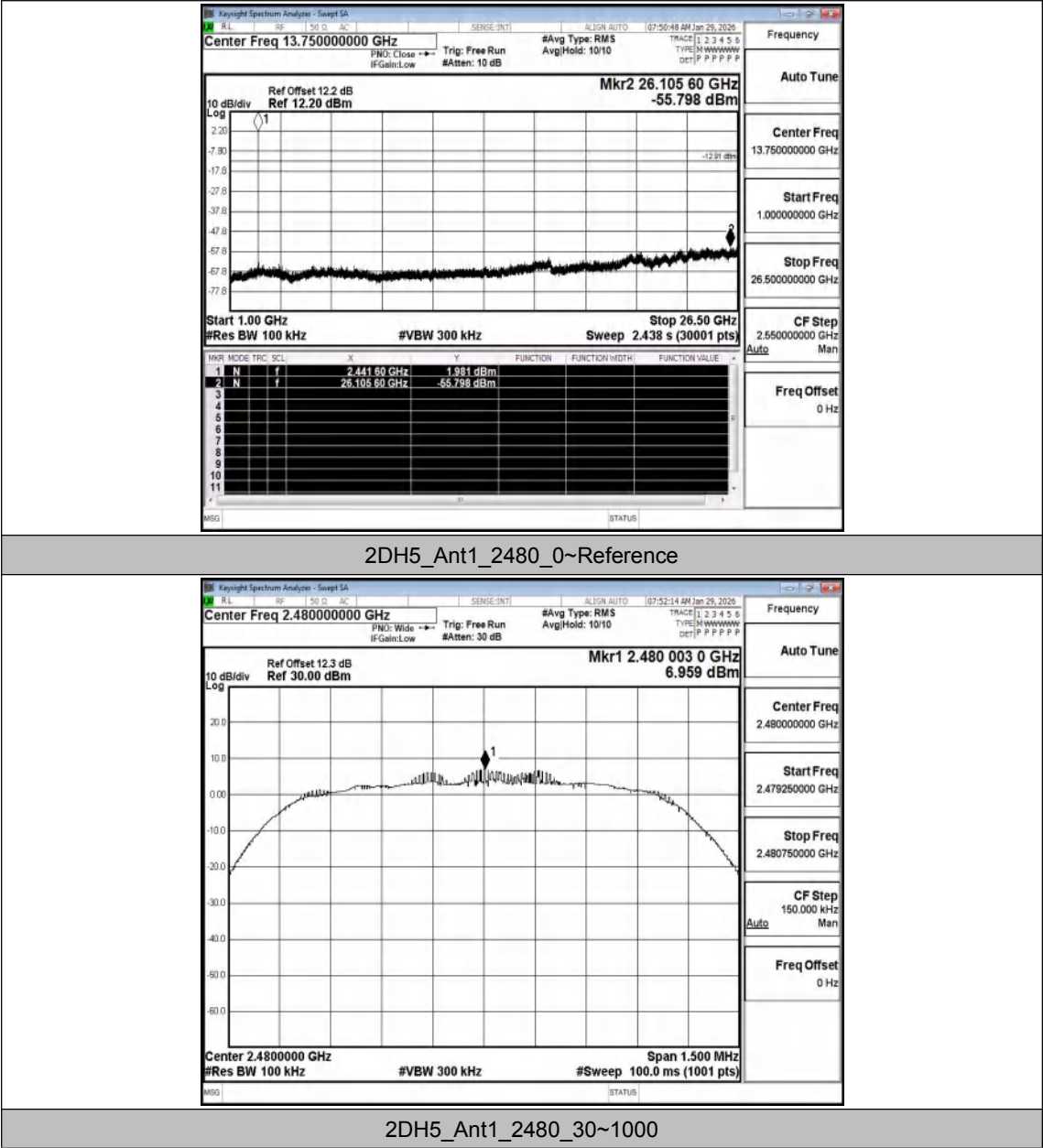


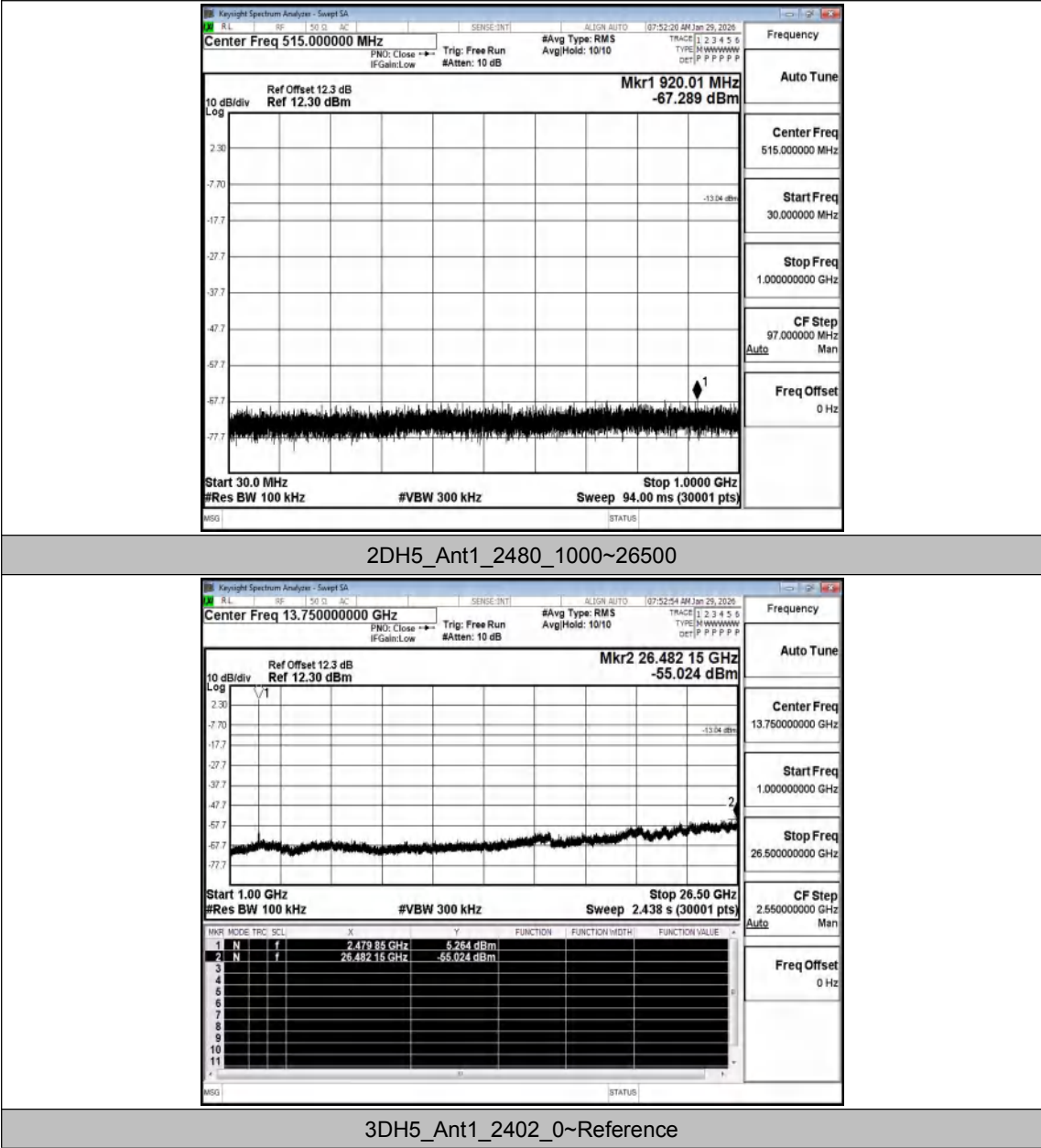


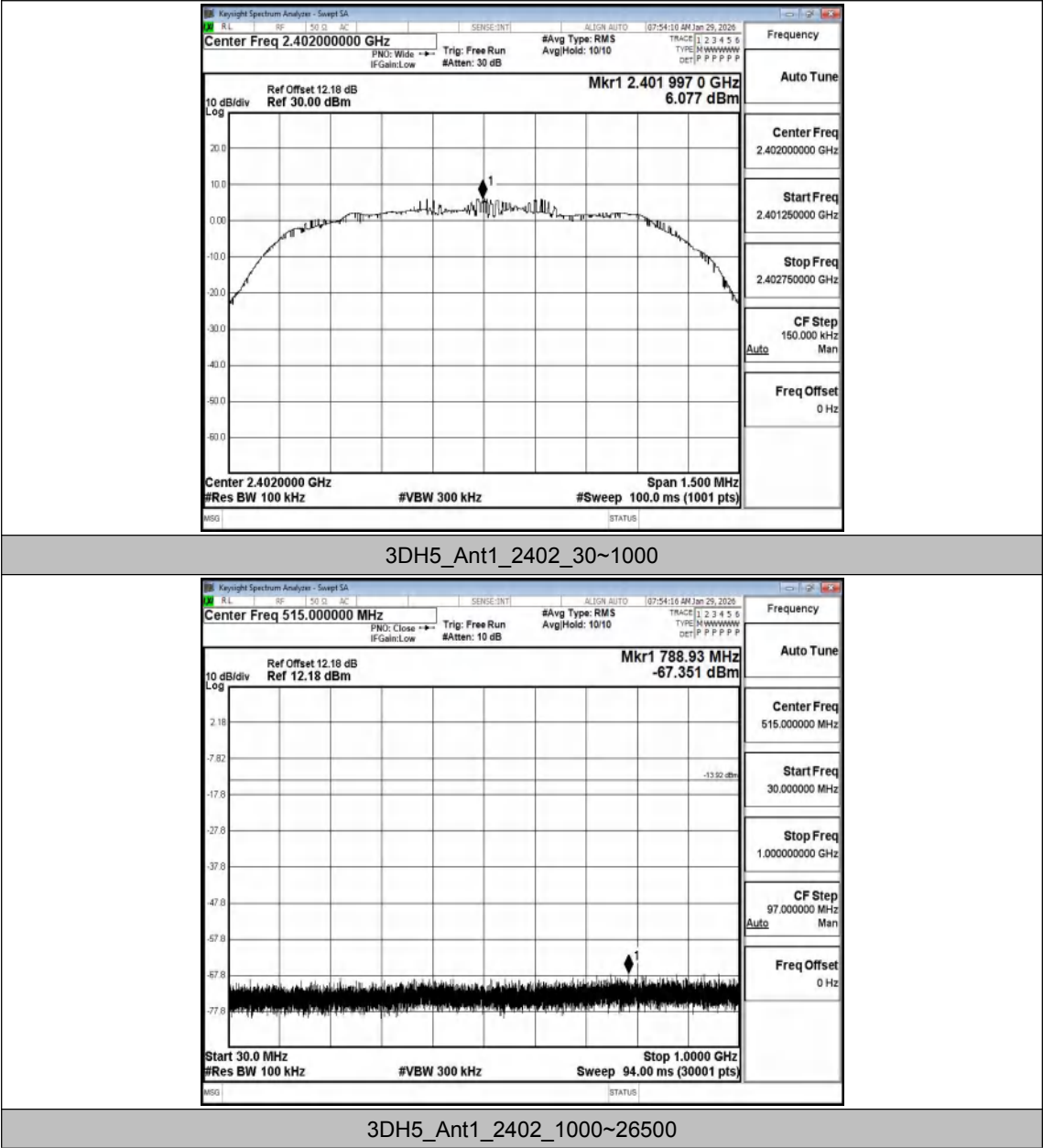


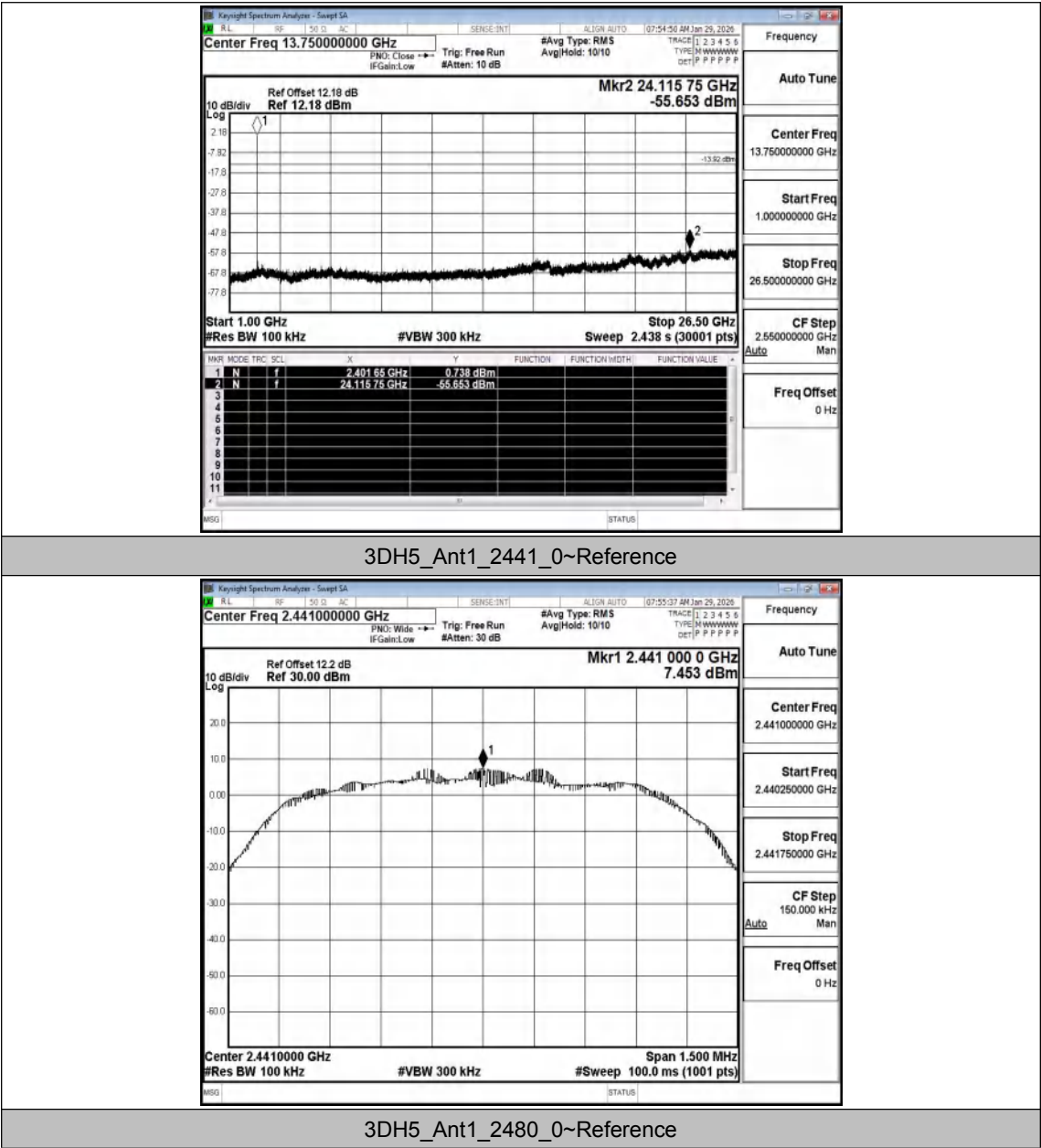


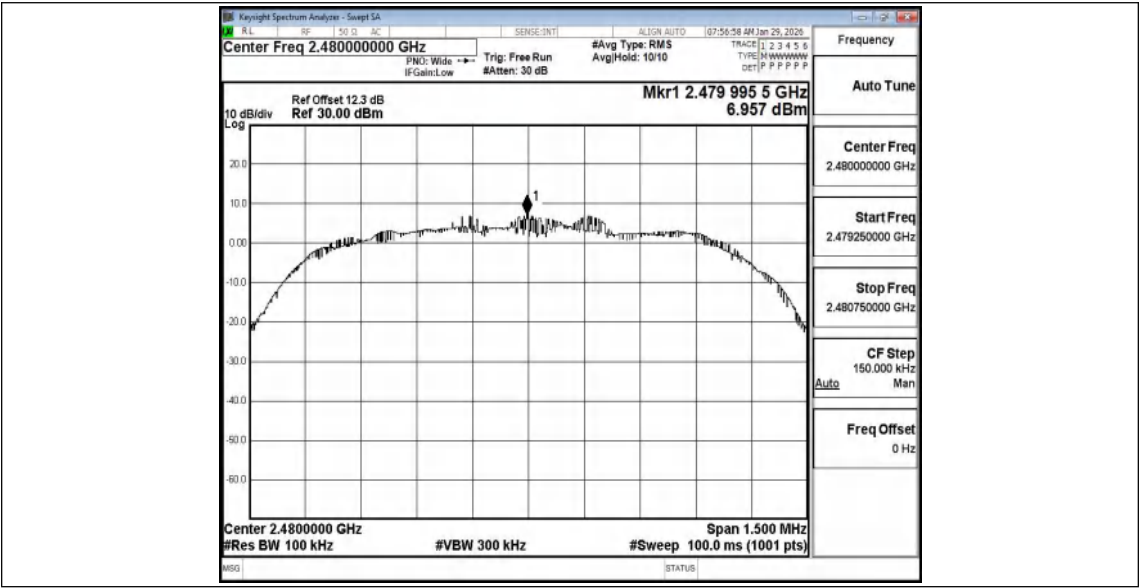












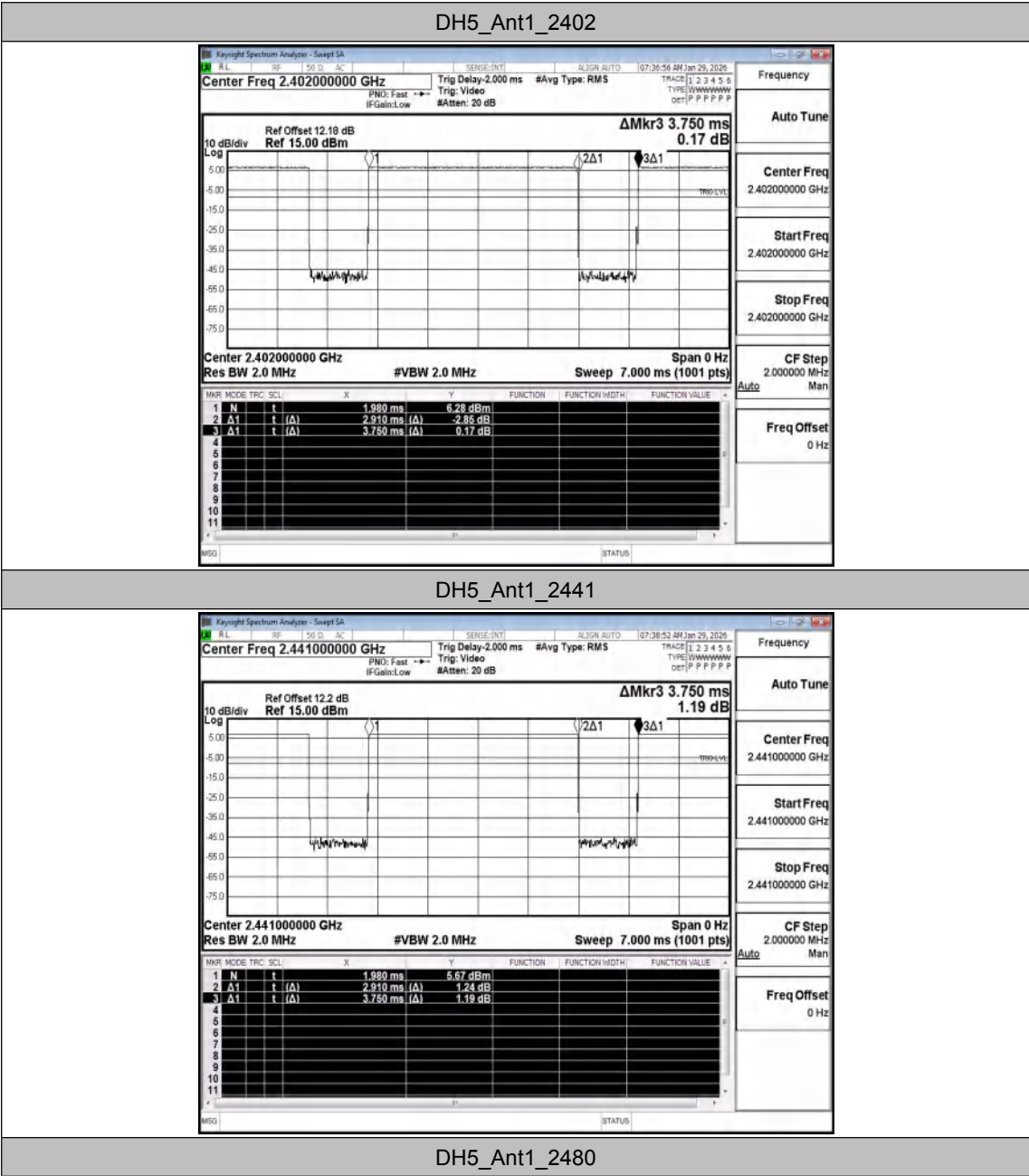
A.8 Duty Cycle

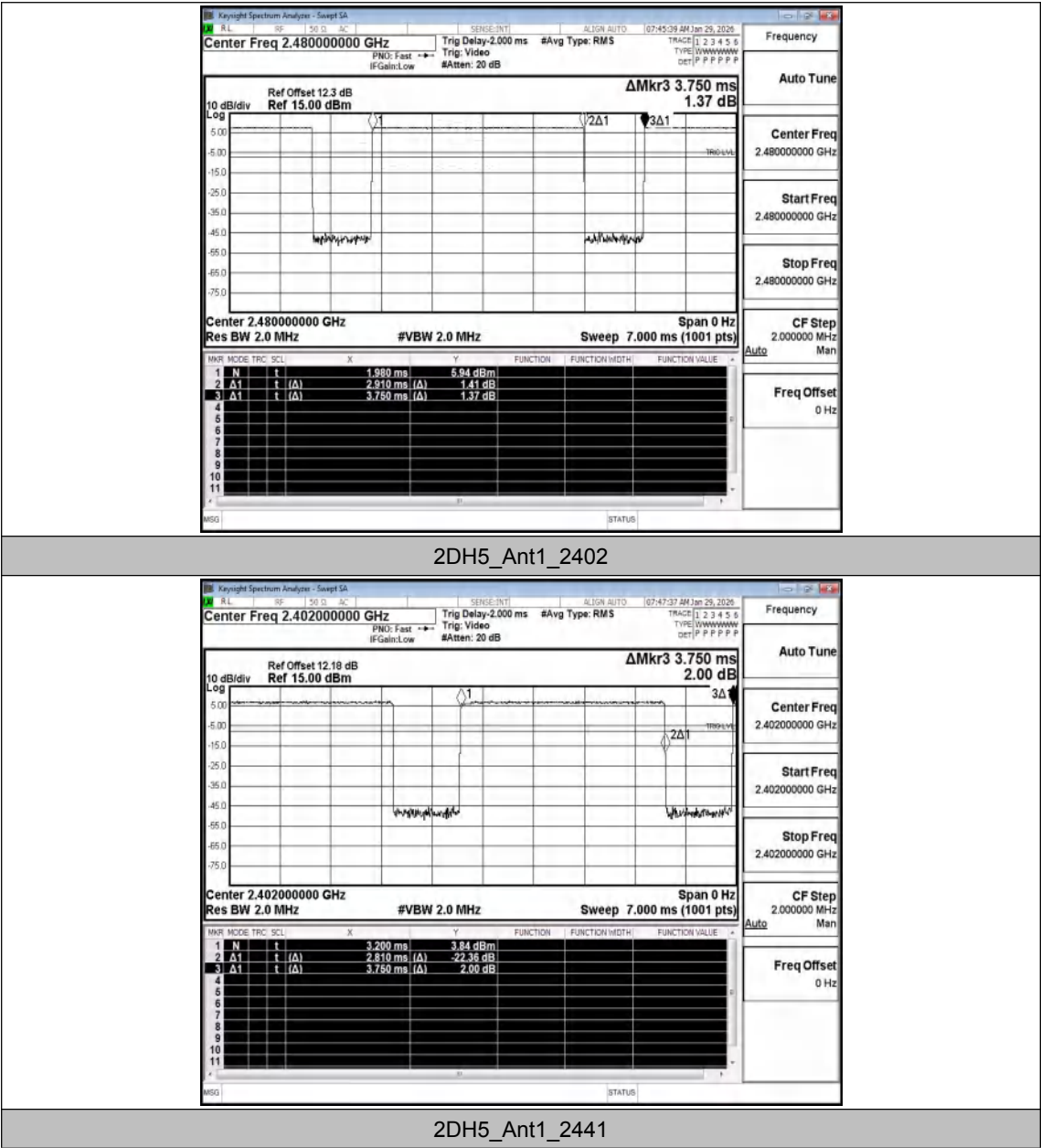
Test Result

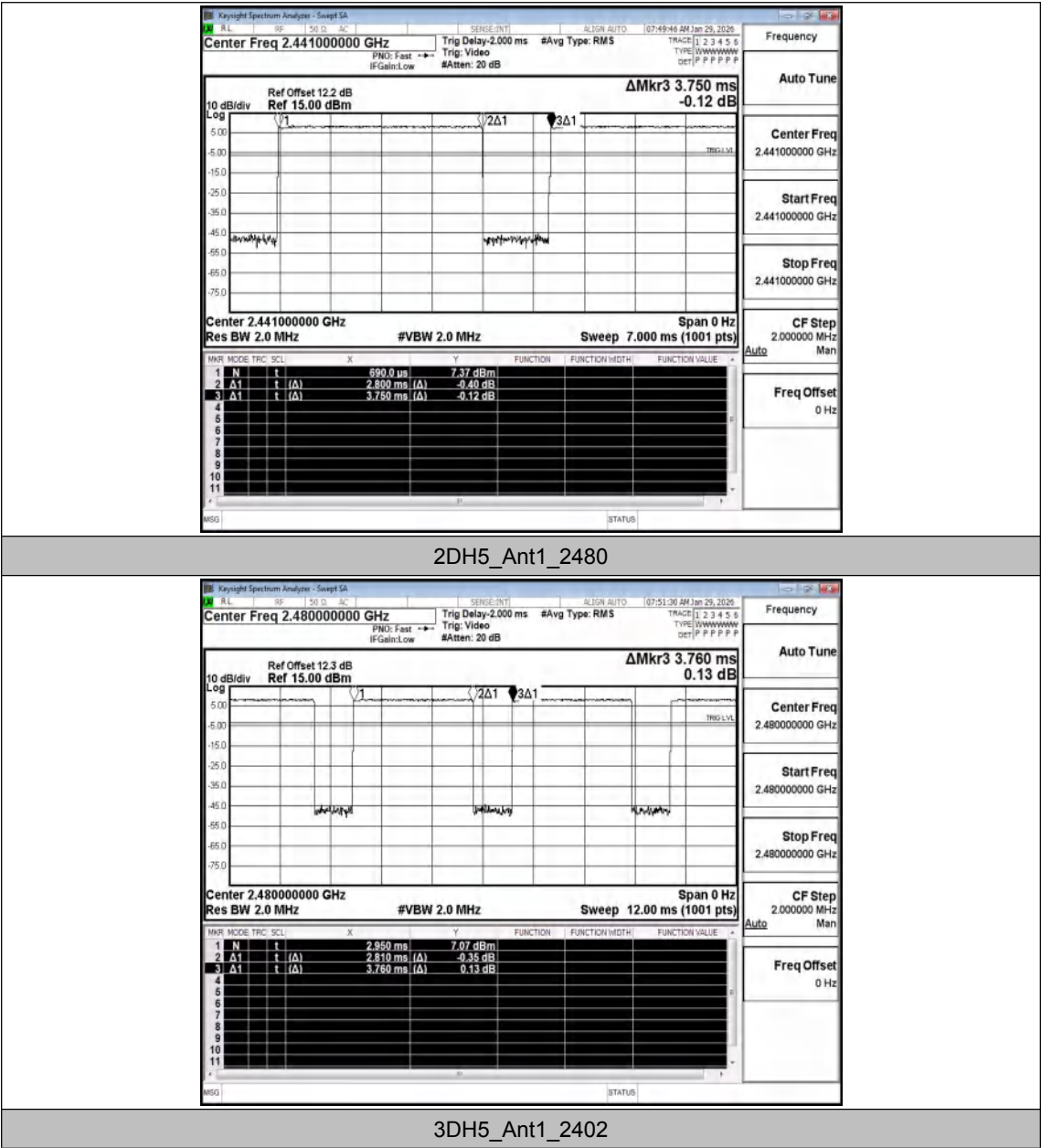
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.81	3.75	74.93	1.25	---	---
		2441	2.80	3.75	74.67	1.27	---	---
		2480	2.81	3.76	74.73	1.27	---	---
3DH5	Ant1	2402	2.81	3.75	74.93	1.25	---	---
		2441	2.81	3.76	74.73	1.27	---	---
		2480	2.81	3.75	74.93	1.25	---	---

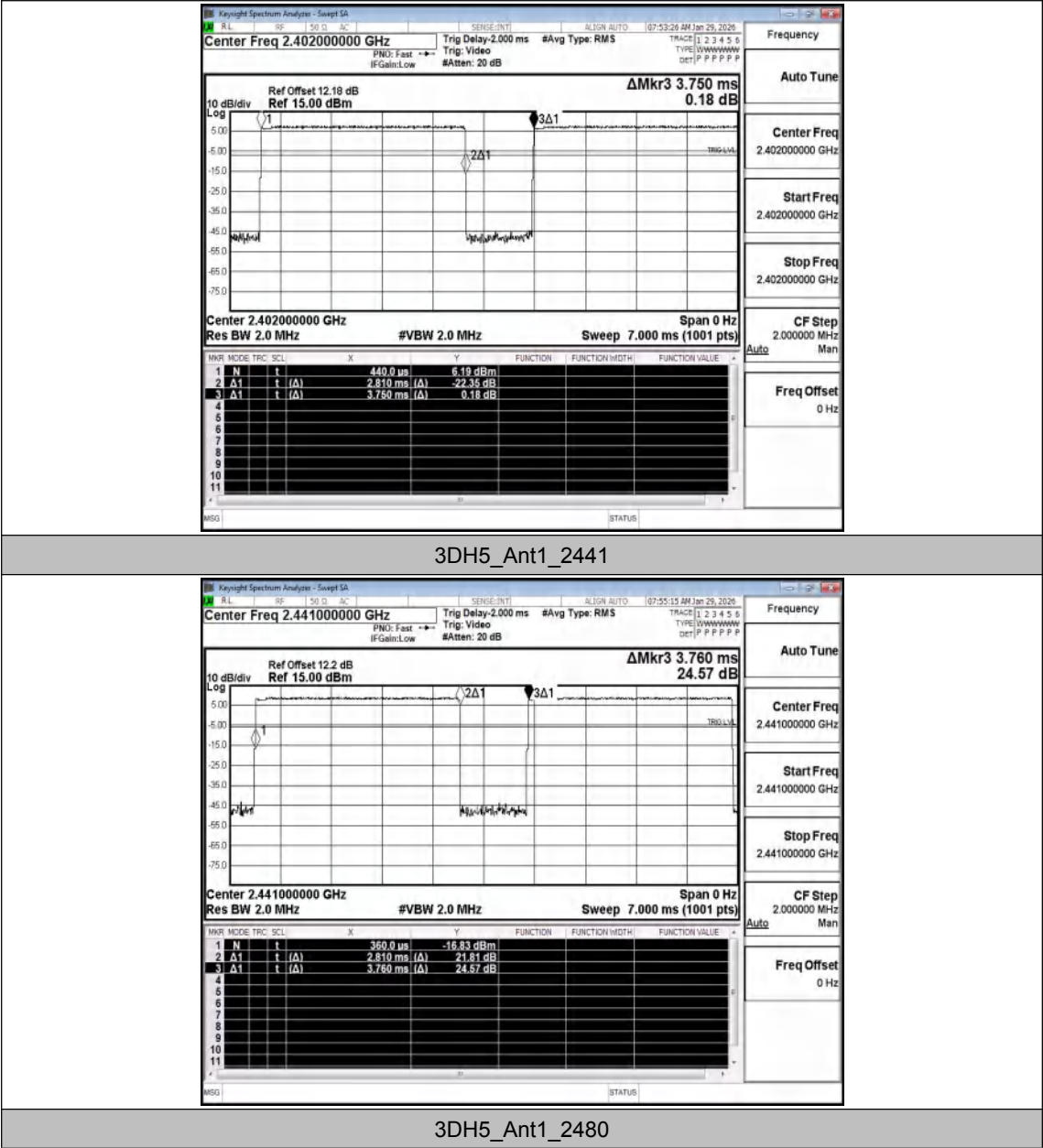
Note :offset=System attenuation +cabal loss

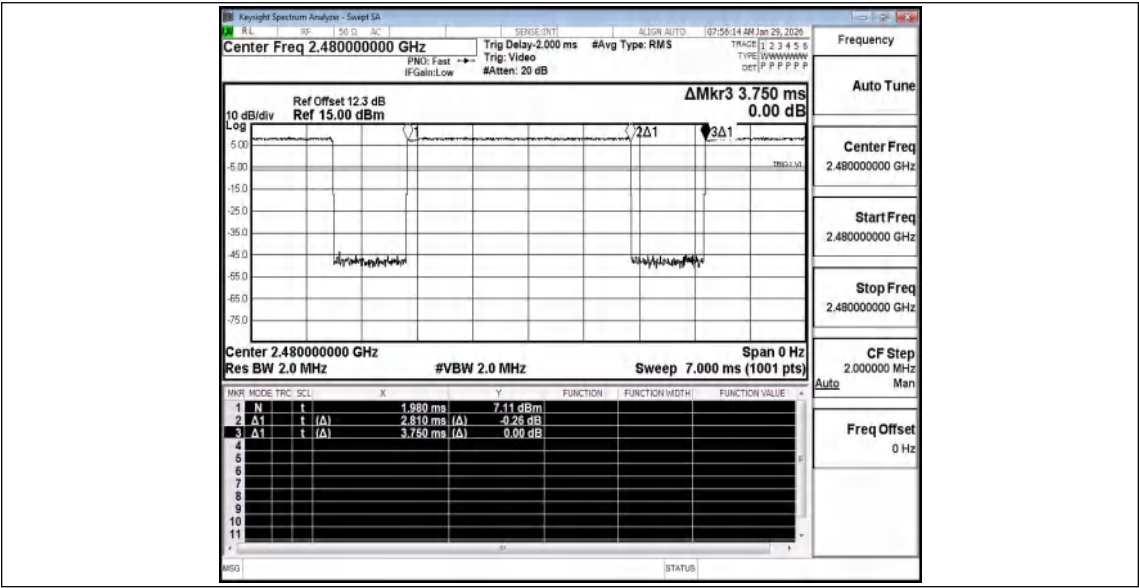
Test Graphs











A.9 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-61.37	≤-44.30	2.00	1.10	36.93	≤54	PASS
				AV	2332.760	-60.44	≤-44.30	2.00	1.10	37.86	≤54	PASS
				AV	2390.000	-61.9	≤-44.30	2.00	1.10	36.40	≤54	PASS
				Peak	2310.000	-53.94	≤-23.20	2.00	0.00	43.26	≤74	PASS
				Peak	2371.295	-50.55	≤-23.20	2.00	0.00	46.65	≤74	PASS
				Peak	2390.000	-52.48	≤-23.20	2.00	0.00	44.72	≤74	PASS
		High	2480	AV	2483.500	-59.08	≤-44.30	2.00	1.10	39.22	≤54	PASS
				AV	2485.920	-58.61	≤-44.30	2.00	1.10	39.69	≤54	PASS
				AV	2500.000	-60.9	≤-44.30	2.00	1.10	37.40	≤54	PASS
				Peak	2483.500	-49.99	≤-23.20	2.00	0.00	47.21	≤74	PASS
				Peak	2484.320	-48.33	≤-23.20	2.00	0.00	48.87	≤74	PASS
				Peak	2500.000	-53.45	≤-23.20	2.00	0.00	43.75	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-51.87	≤-23.20	2.00	0.00	45.33	≤74	PASS
				Peak	2335.490	-49.01	≤-23.20	2.00	0.00	48.19	≤74	PASS
				Peak	2390.000	-53.16	≤-23.20	2.00	0.00	44.04	≤74	PASS
		High	Hop_2480	Peak	2483.500	-50.8	≤-23.20	2.00	0.00	46.40	≤74	PASS
				Peak	2492.880	-50.05	≤-23.20	2.00	0.00	47.15	≤74	PASS
				Peak	2500.000	-52.1	≤-23.20	2.00	0.00	45.10	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-61.26	≤-44.45	2.00	1.25	37.19	≤54	PASS
				AV	2323.835	-60.67	≤-44.45	2.00	1.25	37.78	≤54	PASS
				AV	2390.000	-61.29	≤-44.45	2.00	1.25	37.16	≤54	PASS
				Peak	2310.000	-54.64	≤-23.20	2.00	0.00	42.56	≤74	PASS
				Peak	2331.290	-49.95	≤-23.20	2.00	0.00	47.25	≤74	PASS
				Peak	2390.000	-53.88	≤-23.20	2.00	0.00	43.32	≤74	PASS
		High	2480	AV	2483.500	-56.77	≤-44.47	2.00	1.27	41.70	≤54	PASS
				AV	2483.520	-56.77	≤-44.47	2.00	1.27	41.70	≤54	PASS
				AV	2500.000	-60.51	≤-44.47	2.00	1.27	37.96	≤54	PASS
				Peak	2483.500	-44.74	≤-23.20	2.00	0.00	52.46	≤74	PASS
				Peak	2483.520	-44.74	≤-23.20	2.00	0.00	52.46	≤74	PASS
				Peak	2500.000	-53.01	≤-23.20	2.00	0.00	44.19	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-54.21	≤-23.20	2.00	0.00	42.99	≤74	PASS
				Peak	2373.605	-50.21	≤-23.20	2.00	0.00	46.99	≤74	PASS
				Peak	2390.000	-51.52	≤-23.20	2.00	0.00	45.68	≤74	PASS
		High	Hop_2480	Peak	2483.500	-52.28	≤-23.20	2.00	0.00	44.92	≤74	PASS

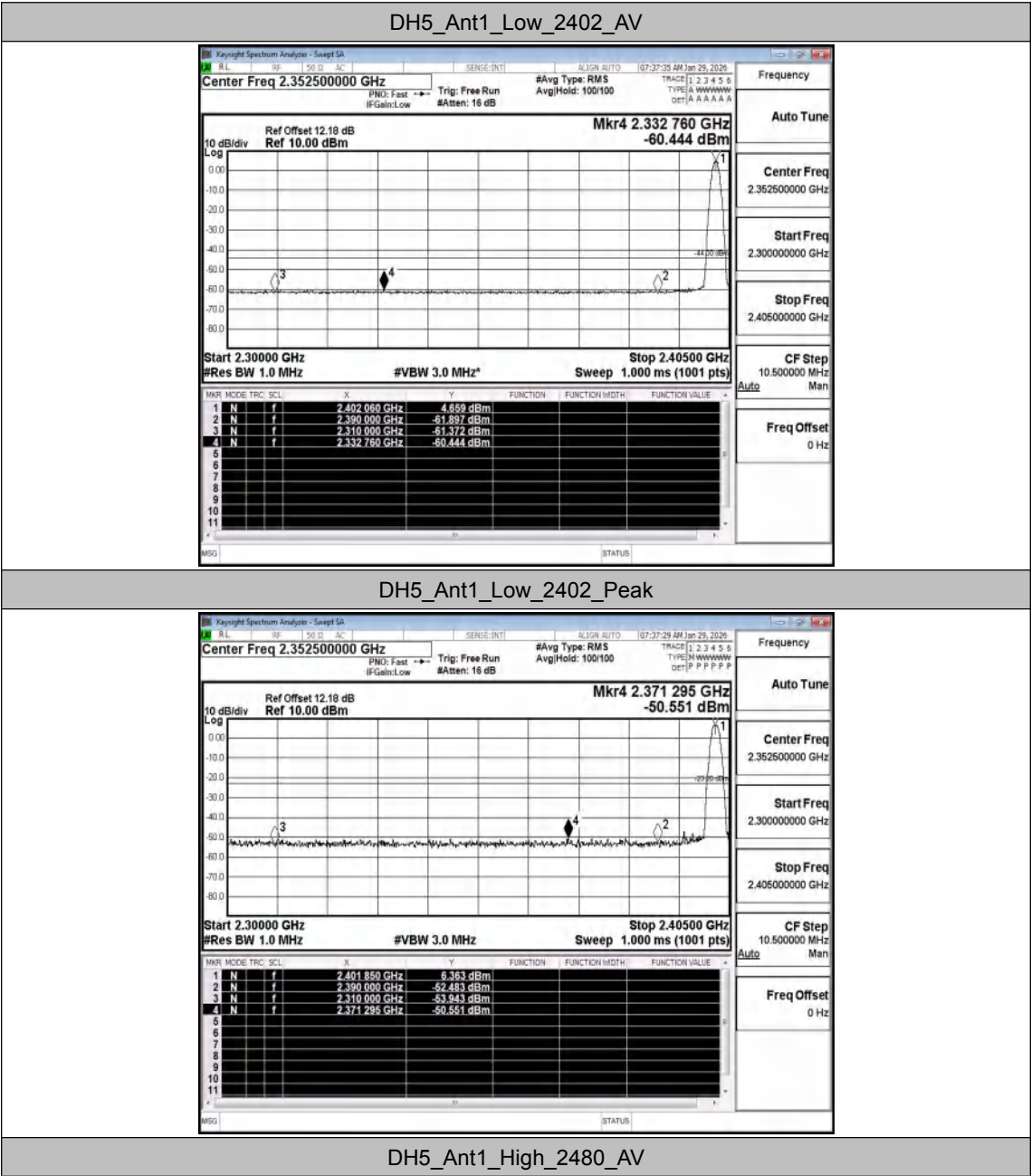
				Peak	2486.320	-49.86	≤-23.20	2.00	0.00	47.34	≤74	PASS
				Peak	2500.000	-52.42	≤-23.20	2.00	0.00	44.78	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-61.24	≤-44.45	2.00	1.25	37.21	≤54	PASS
				AV	2371.820	-60.22	≤-44.45	2.00	1.25	38.23	≤54	PASS
				AV	2390.000	-61.29	≤-44.45	2.00	1.25	37.16	≤54	PASS
				Peak	2310.000	-53.57	≤-23.20	2.00	0.00	43.63	≤74	PASS
				Peak	2368.565	-50.37	≤-23.20	2.00	0.00	46.83	≤74	PASS
				Peak	2390.000	-52.18	≤-23.20	2.00	0.00	45.02	≤74	PASS
		High	2480	AV	2483.500	-56.87	≤-44.45	2.00	1.25	41.58	≤54	PASS
				AV	2483.520	-56.87	≤-44.45	2.00	1.25	41.58	≤54	PASS
				AV	2500.000	-60.85	≤-44.45	2.00	1.25	37.60	≤54	PASS
				Peak	2483.500	-44.09	≤-23.20	2.00	0.00	53.11	≤74	PASS
				Peak	2483.680	-43.69	≤-23.20	2.00	0.00	53.51	≤74	PASS
				Peak	2500.000	-51.15	≤-23.20	2.00	0.00	46.05	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-52.66	≤-23.20	2.00	0.00	44.54	≤74	PASS
				Peak	2361.950	-50.65	≤-23.20	2.00	0.00	46.55	≤74	PASS
				Peak	2390.000	-52.04	≤-23.20	2.00	0.00	45.16	≤74	PASS
		High	Hop_2480	Peak	2483.500	-52.68	≤-23.20	2.00	0.00	44.52	≤74	PASS
				Peak	2484.240	-49.27	≤-23.20	2.00	0.00	47.93	≤74	PASS
				Peak	2500.000	-52.51	≤-23.20	2.00	0.00	44.69	≤74	PASS

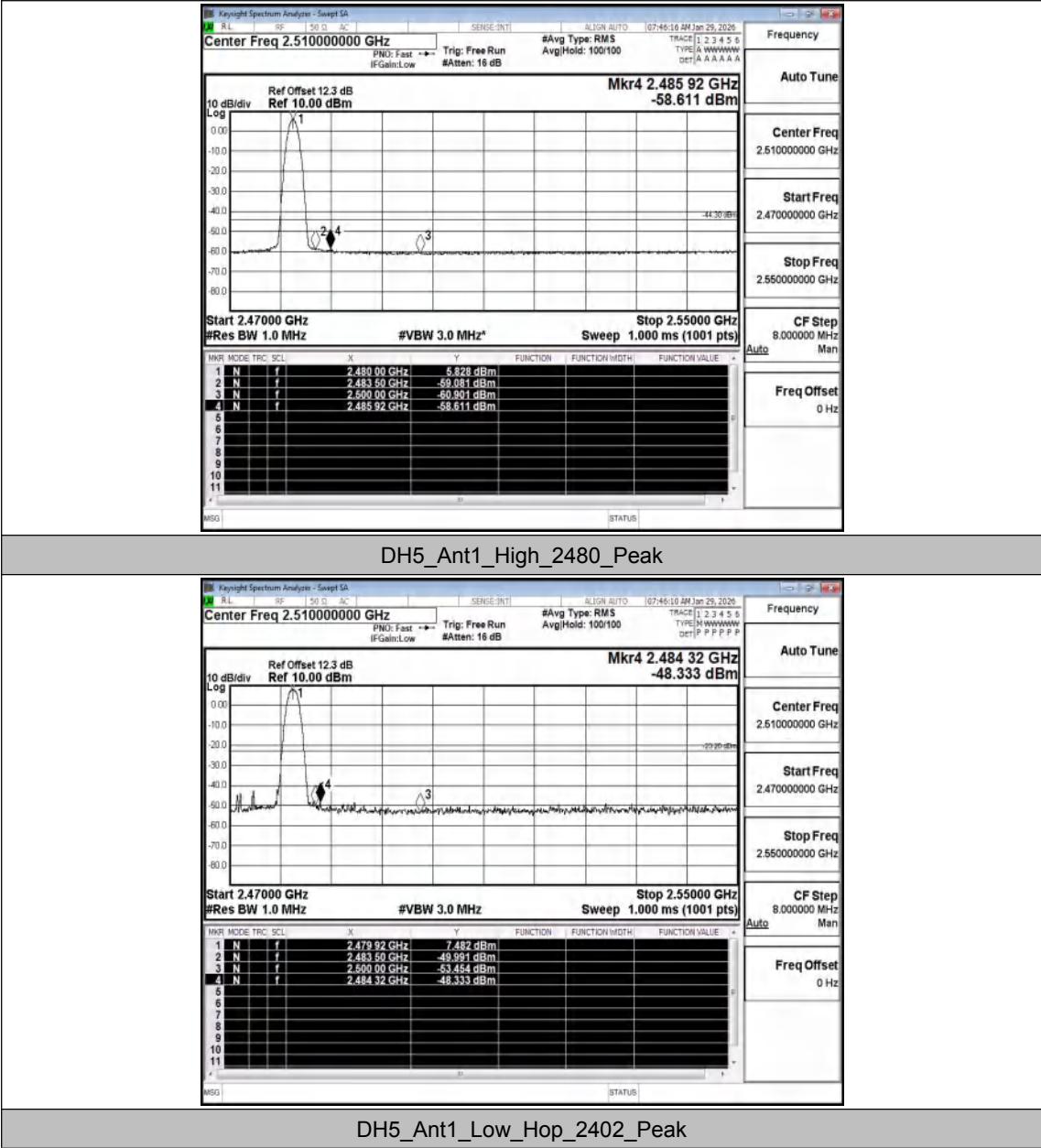
Note :offset=System attenuation +cabal loss

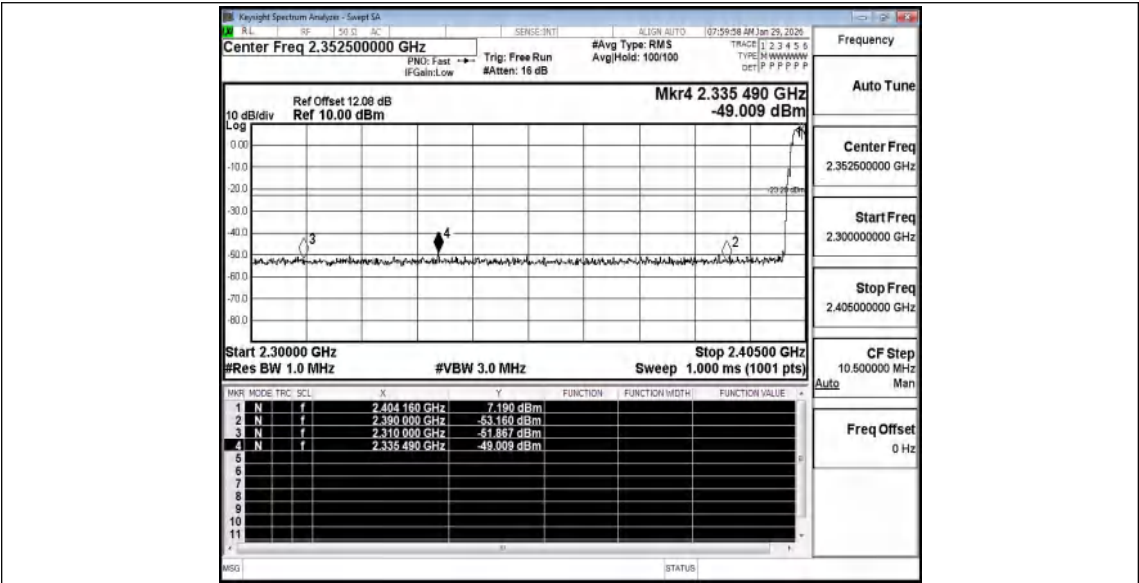
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

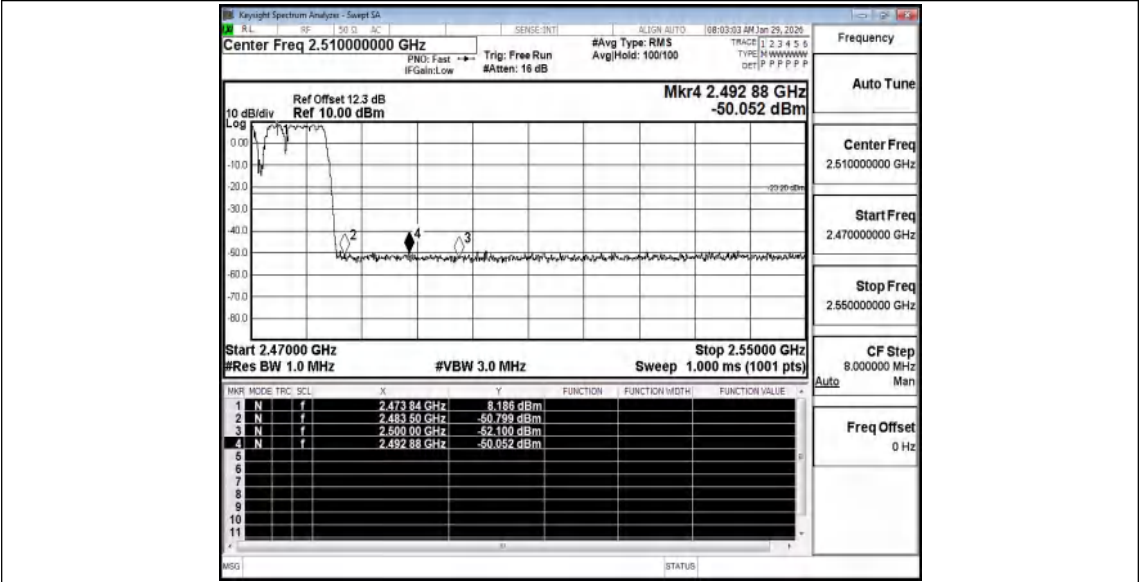
Test Graphs







DH5_Ant1_High_Hop_2480_Peak



2DH5_Ant1_Low_2402_AV

