

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Fuggler Furry Speaker - WEW Pink, Fuggler Furry Speaker -
Gaptooth Blue, Fuggler Furry Speaker - Oogah Rainbow

Test Model: FUG-PFS-OB

Environmental Conditions

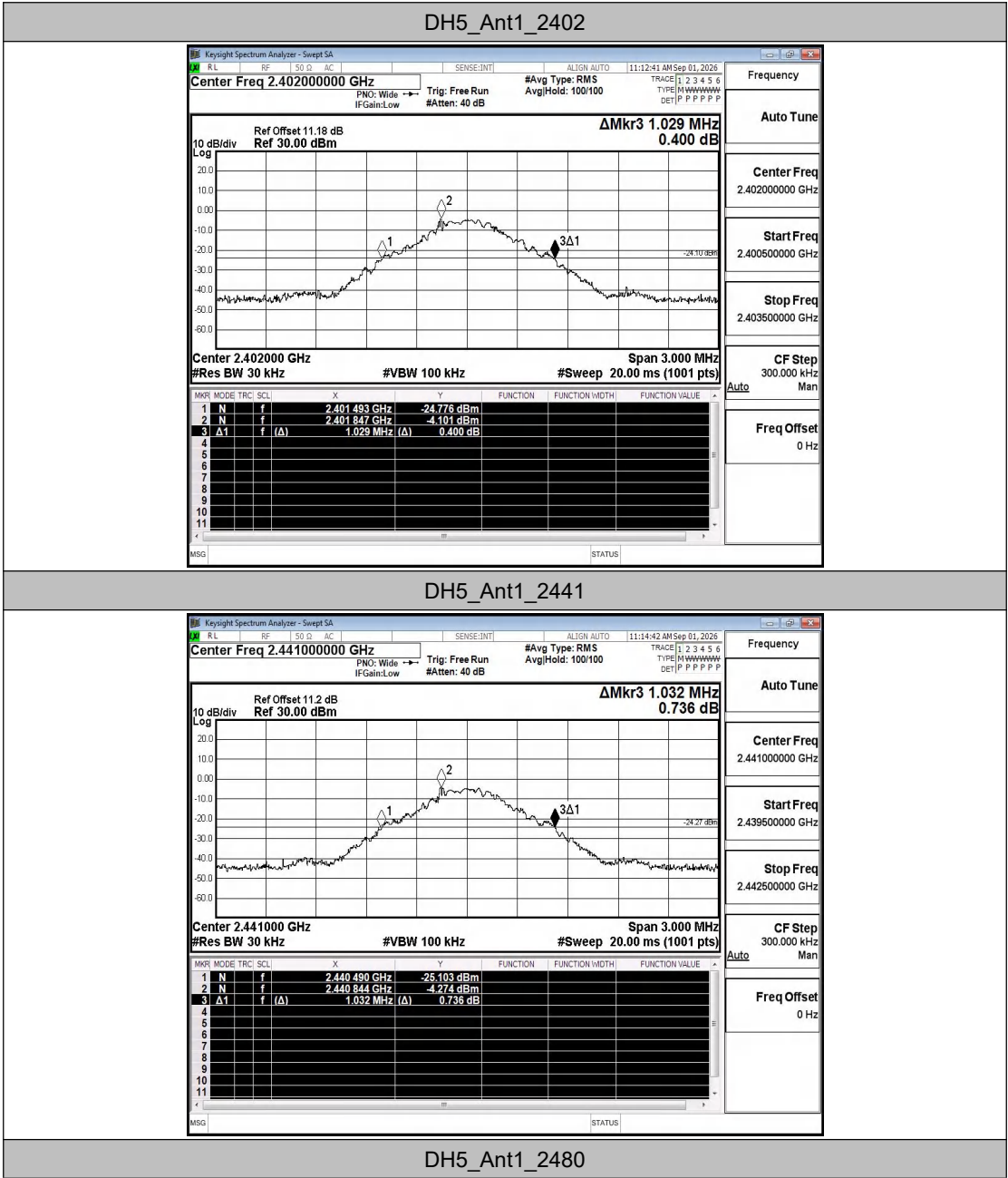
Temperature:	23.5°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

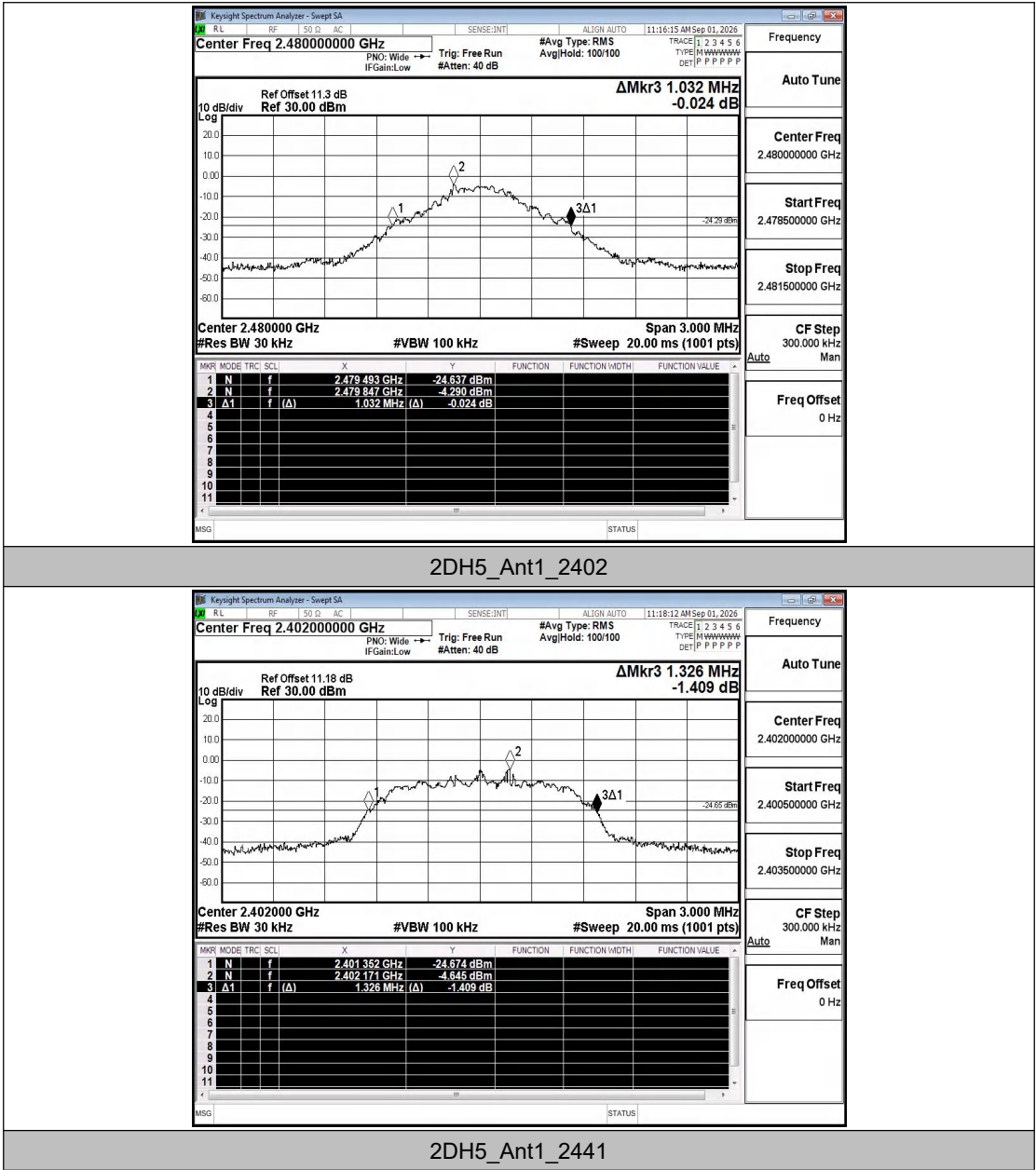
A.1 20dB Emission Bandwidth

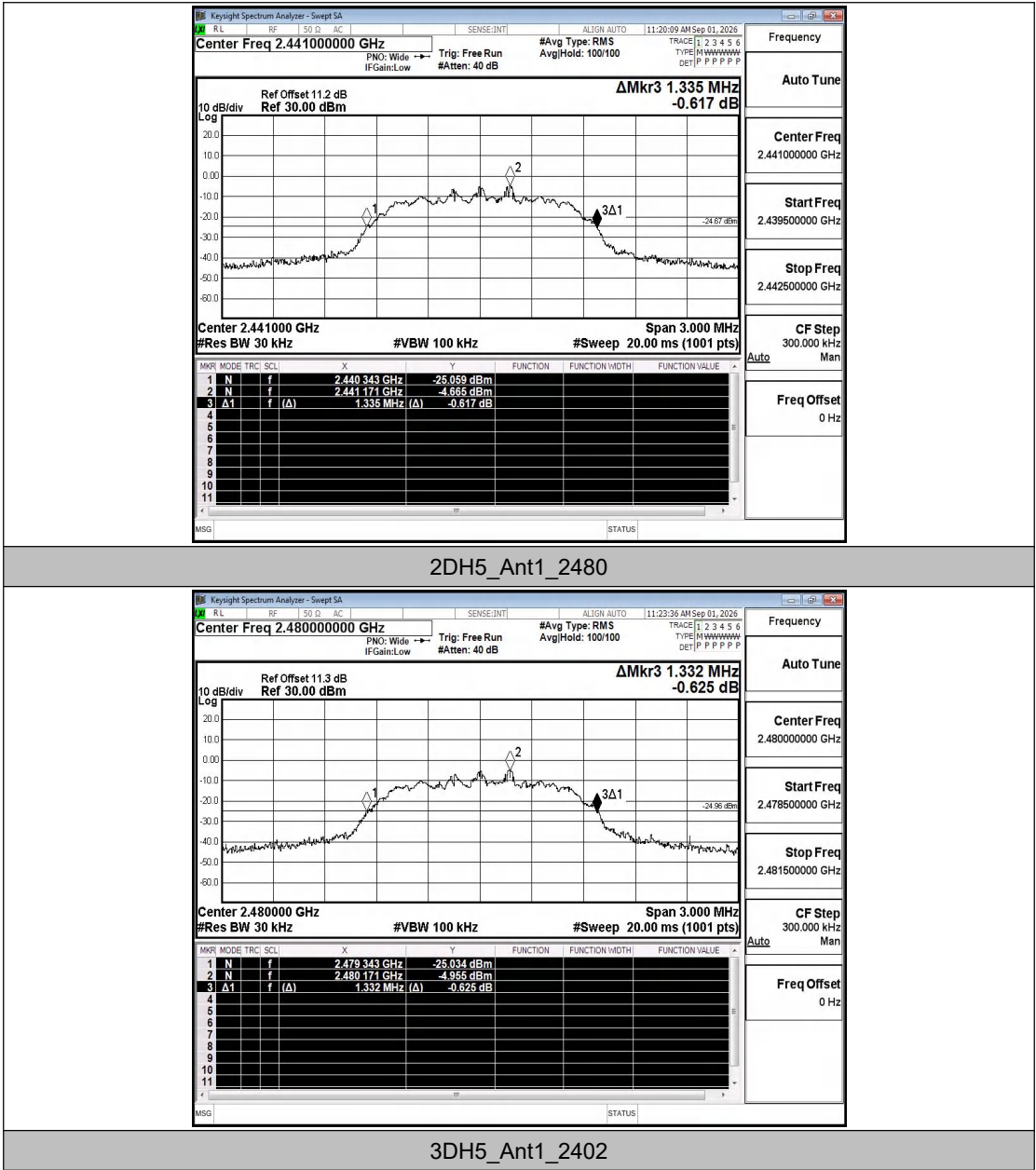
Test Result

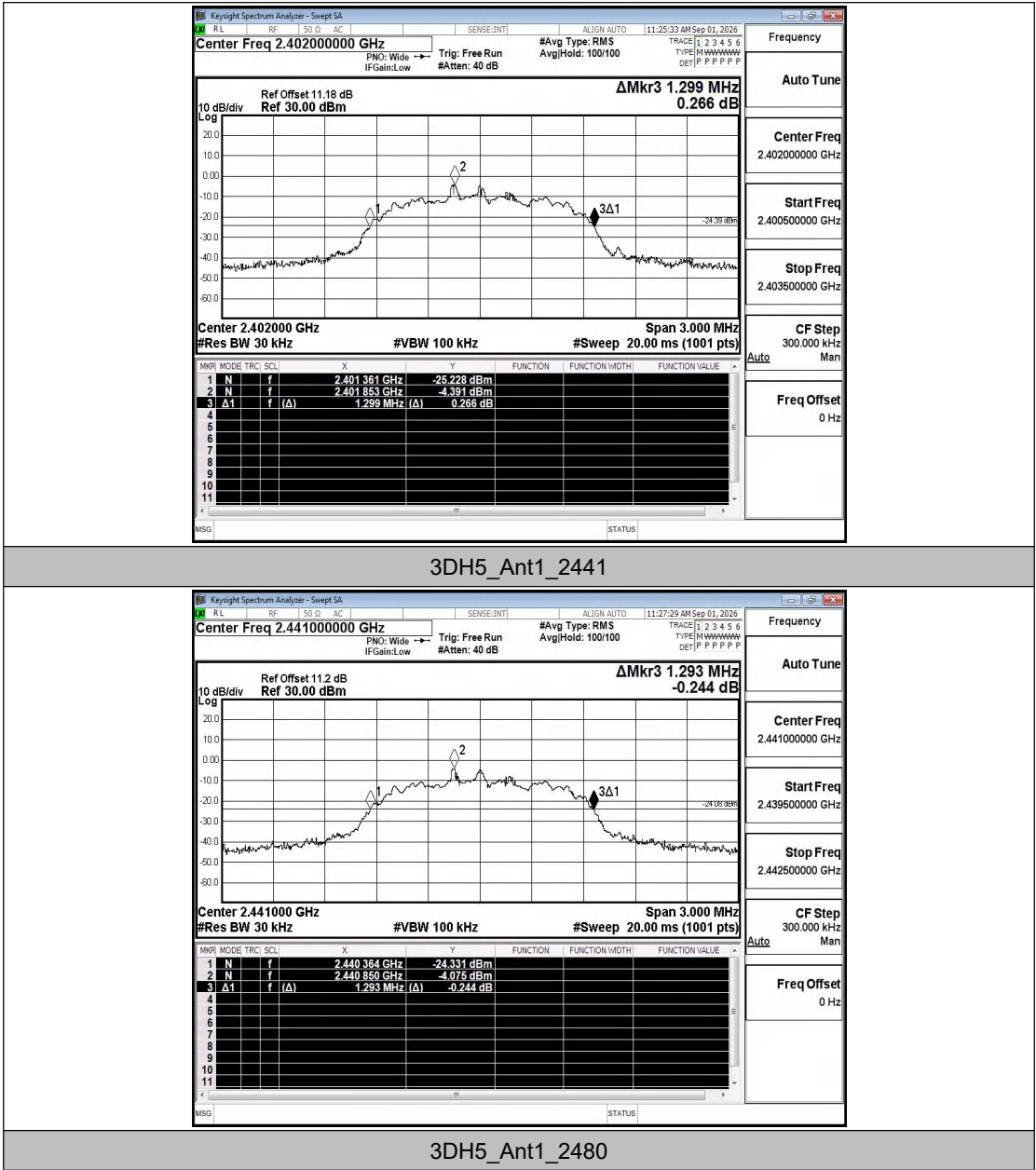
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.493	2402.522	---	---
		2441	1.032	2440.490	2441.522	---	---
		2480	1.032	2479.493	2480.525	---	---
2DH5	Ant1	2402	1.326	2401.352	2402.678	---	---
		2441	1.335	2440.343	2441.678	---	---
		2480	1.332	2479.343	2480.675	---	---
3DH5	Ant1	2402	1.299	2401.361	2402.660	---	---
		2441	1.293	2440.364	2441.657	---	---
		2480	1.299	2479.358	2480.657	---	---

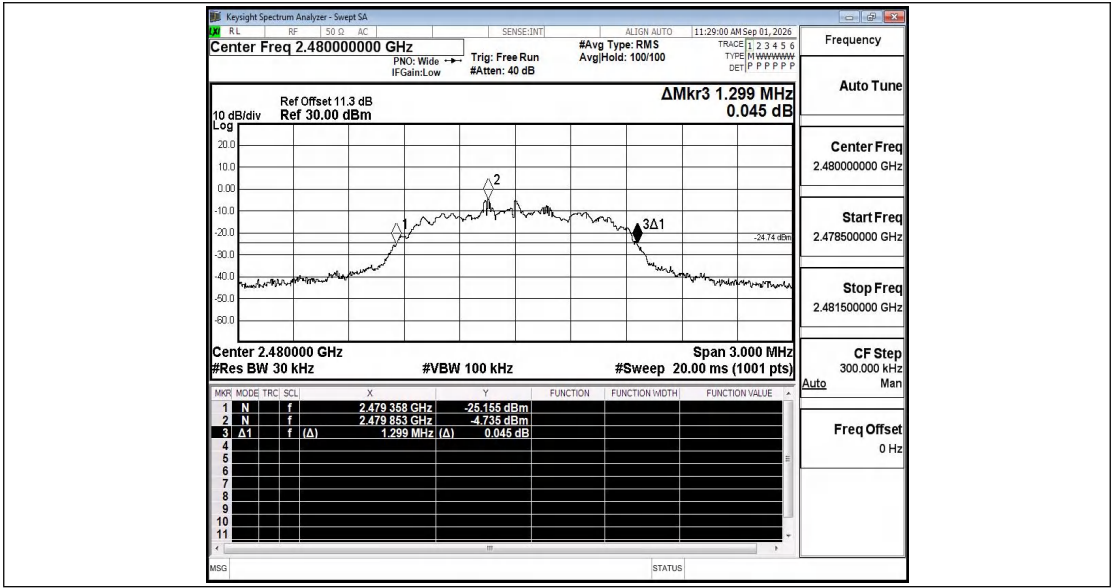
Test Graphs









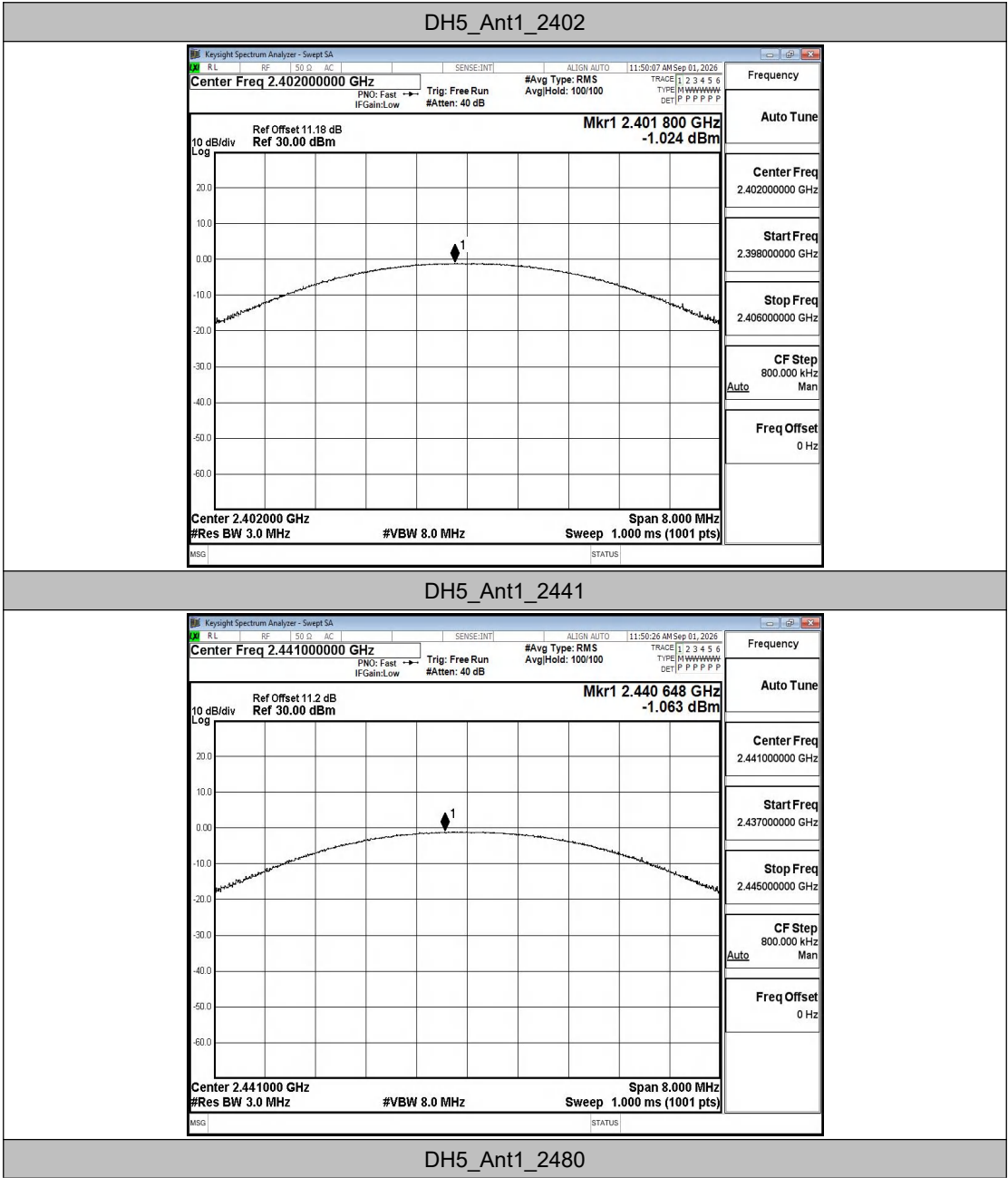


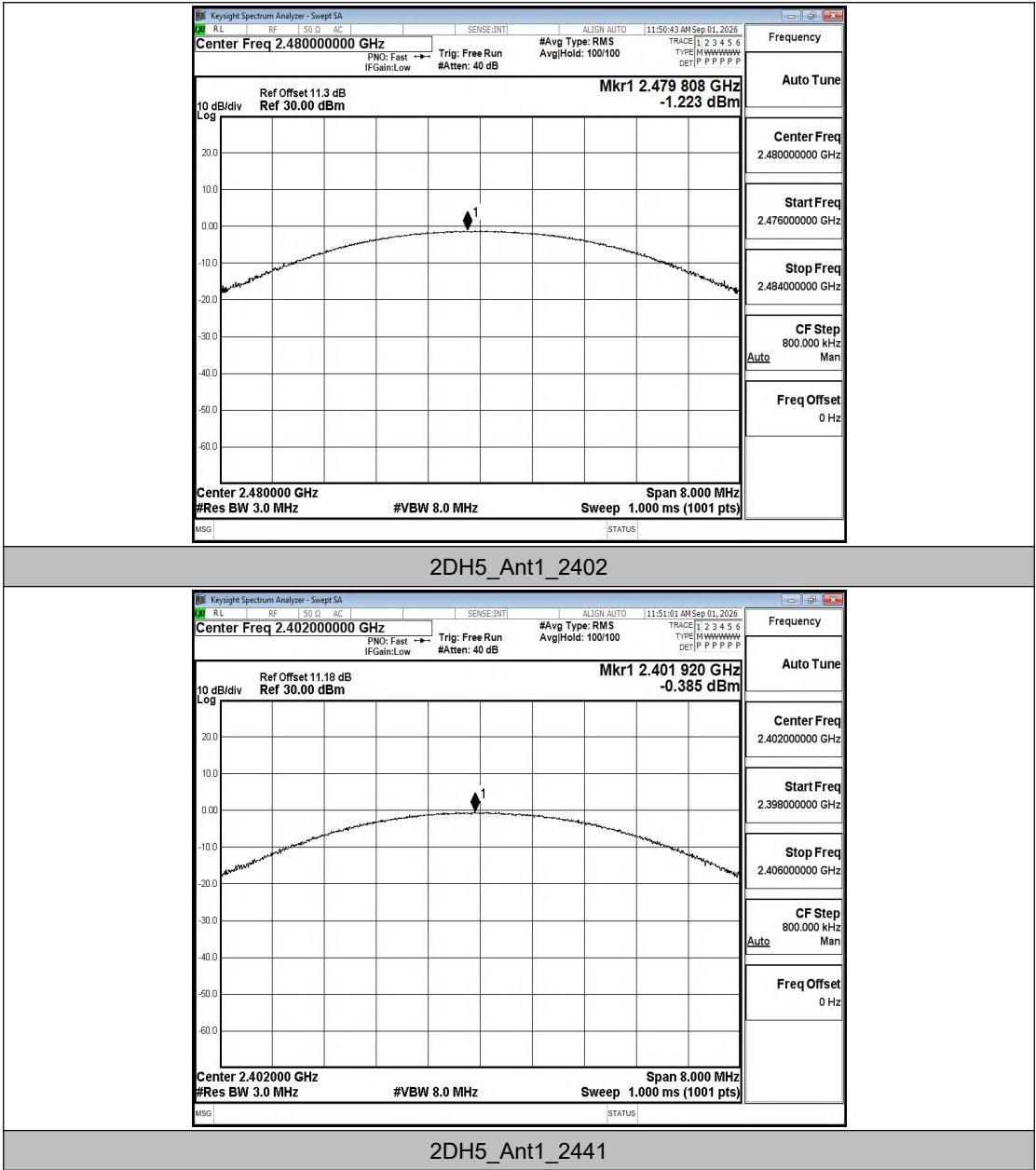
A.2 Maximum Peak conducted output power

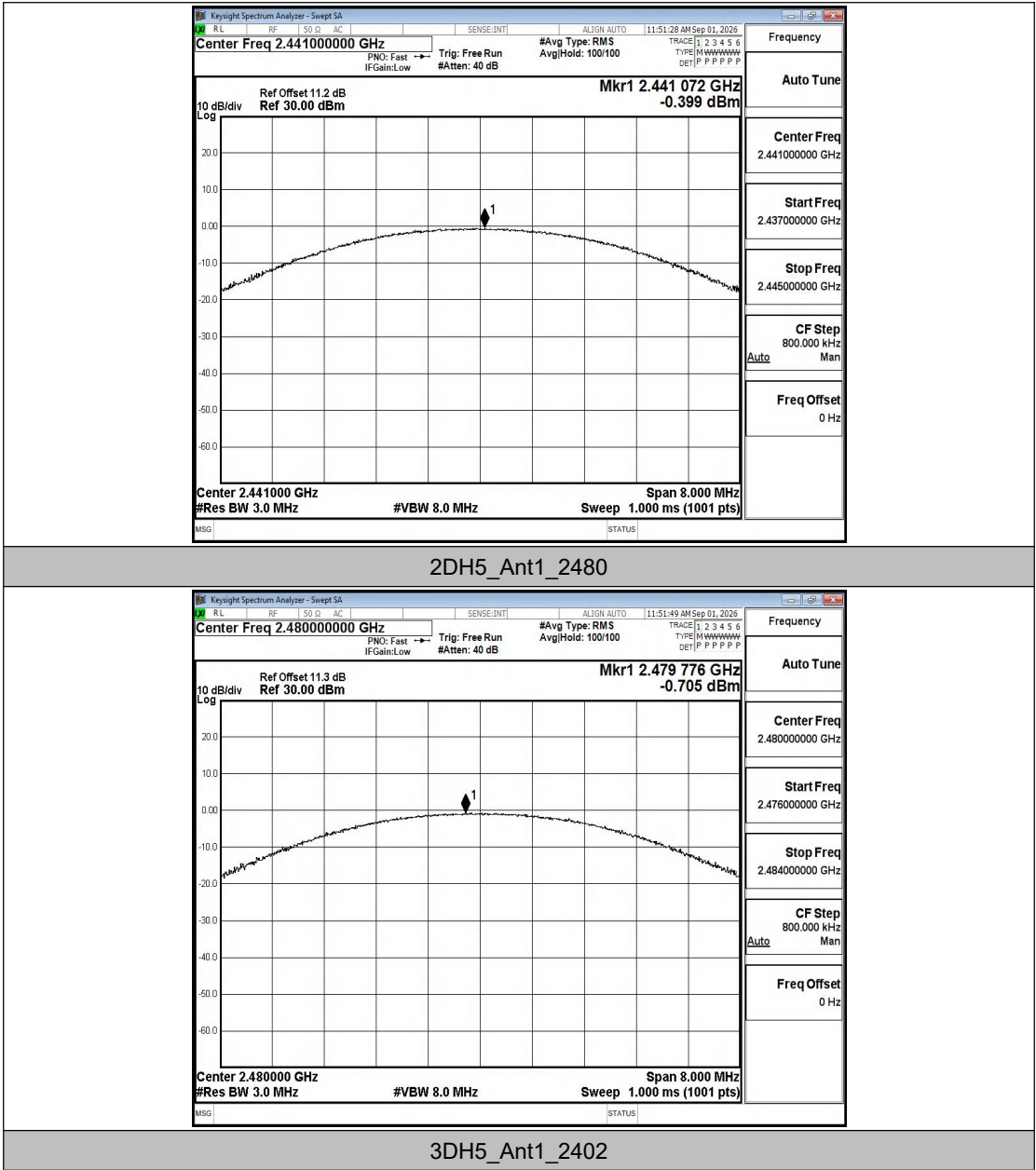
Test Result

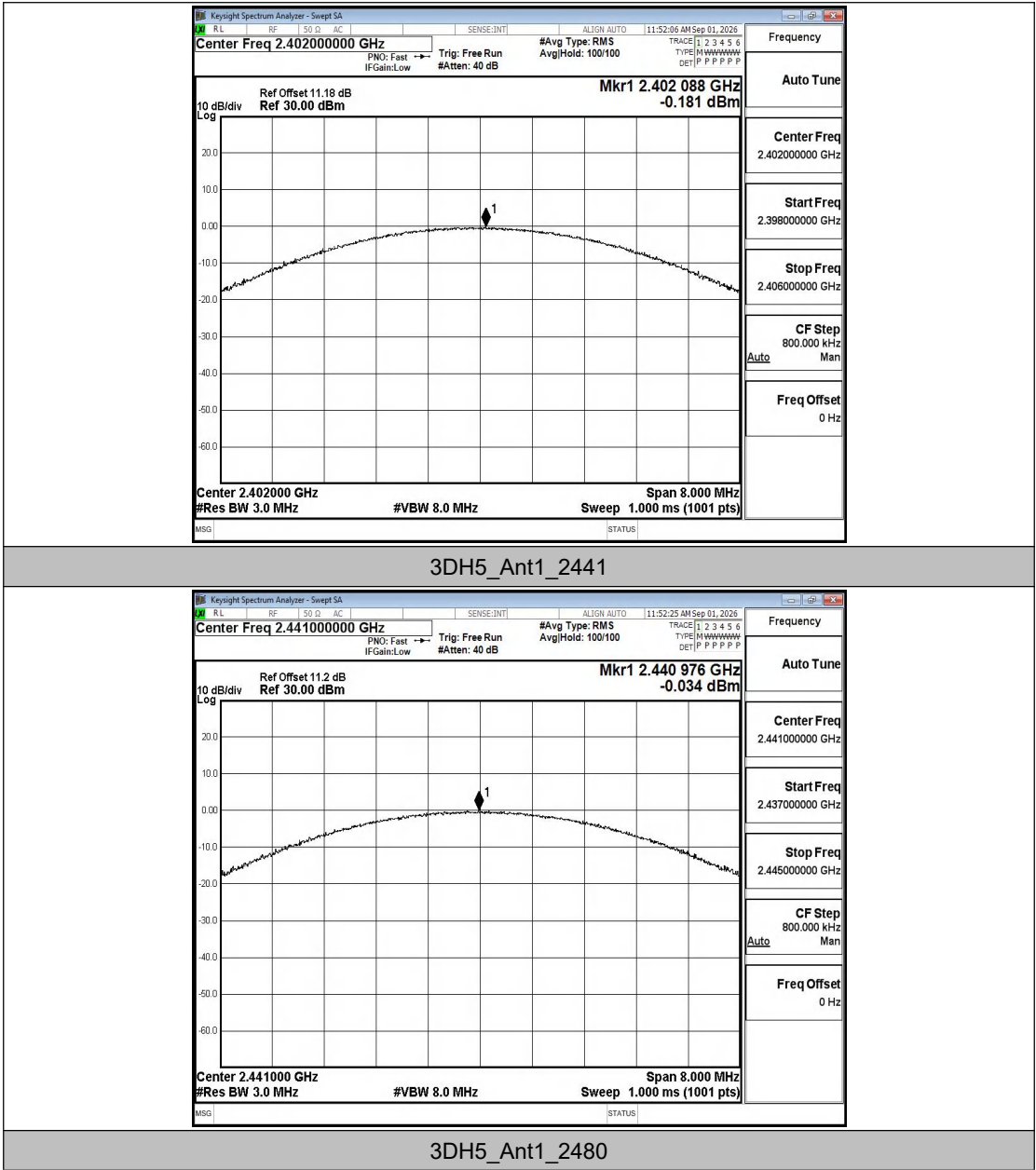
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.02	≤20.97	PASS
		2441	-1.06	≤20.97	PASS
		2480	-1.22	≤20.97	PASS
2DH5	Ant1	2402	-0.39	≤20.97	PASS
		2441	-0.40	≤20.97	PASS
		2480	-0.71	≤20.97	PASS
3DH5	Ant1	2402	-0.18	≤30	PASS
		2441	-0.03	≤30	PASS
		2480	-0.19	≤30	PASS

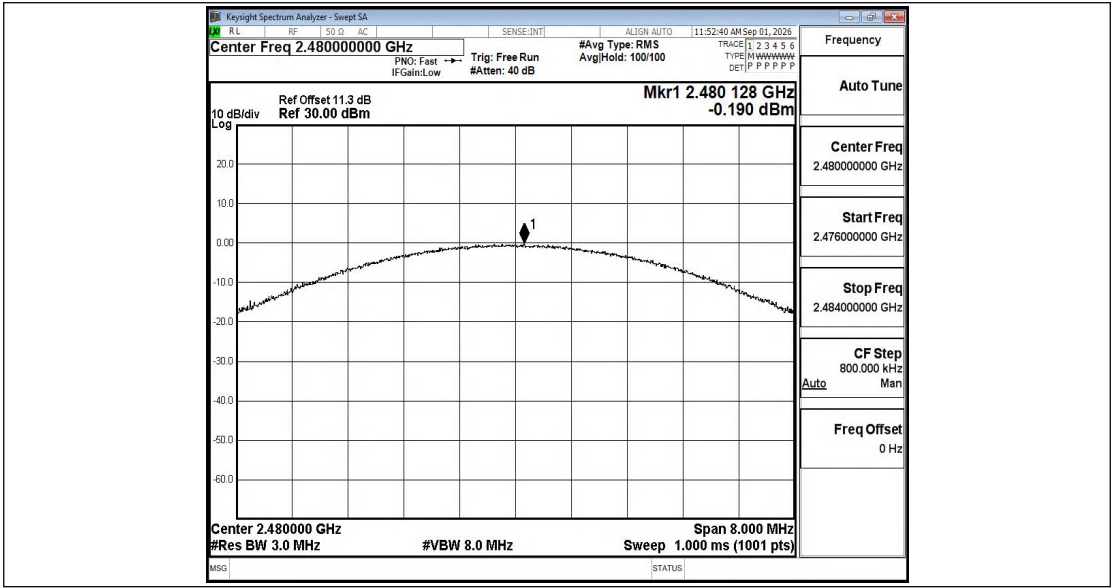
Test Graphs









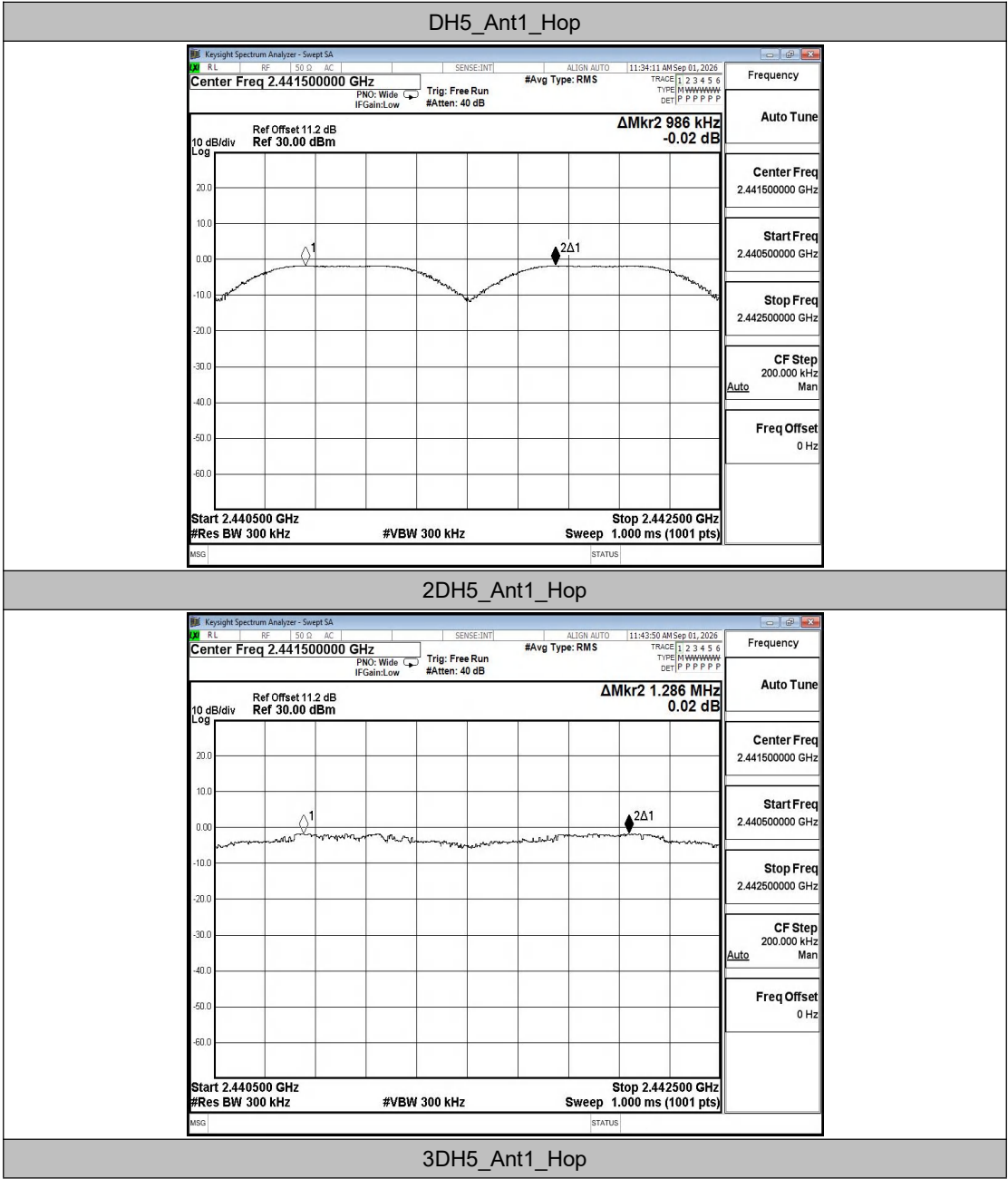


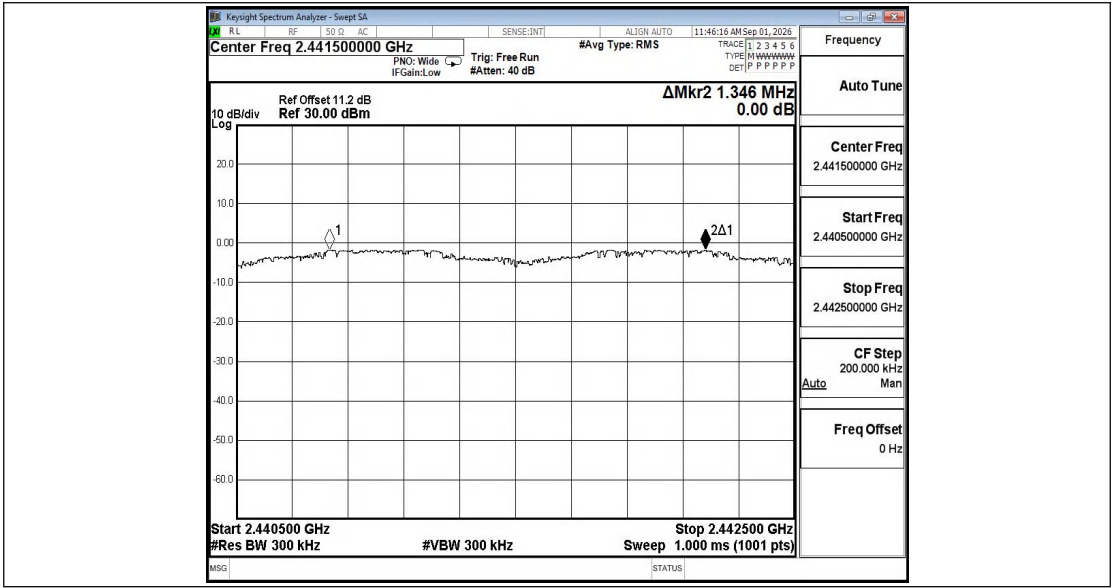
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.688	PASS
2DH5	Ant1	Hop	1.286	≥0.890	PASS
3DH5	Ant1	Hop	1.346	≥0.866	PASS

Test Graphs



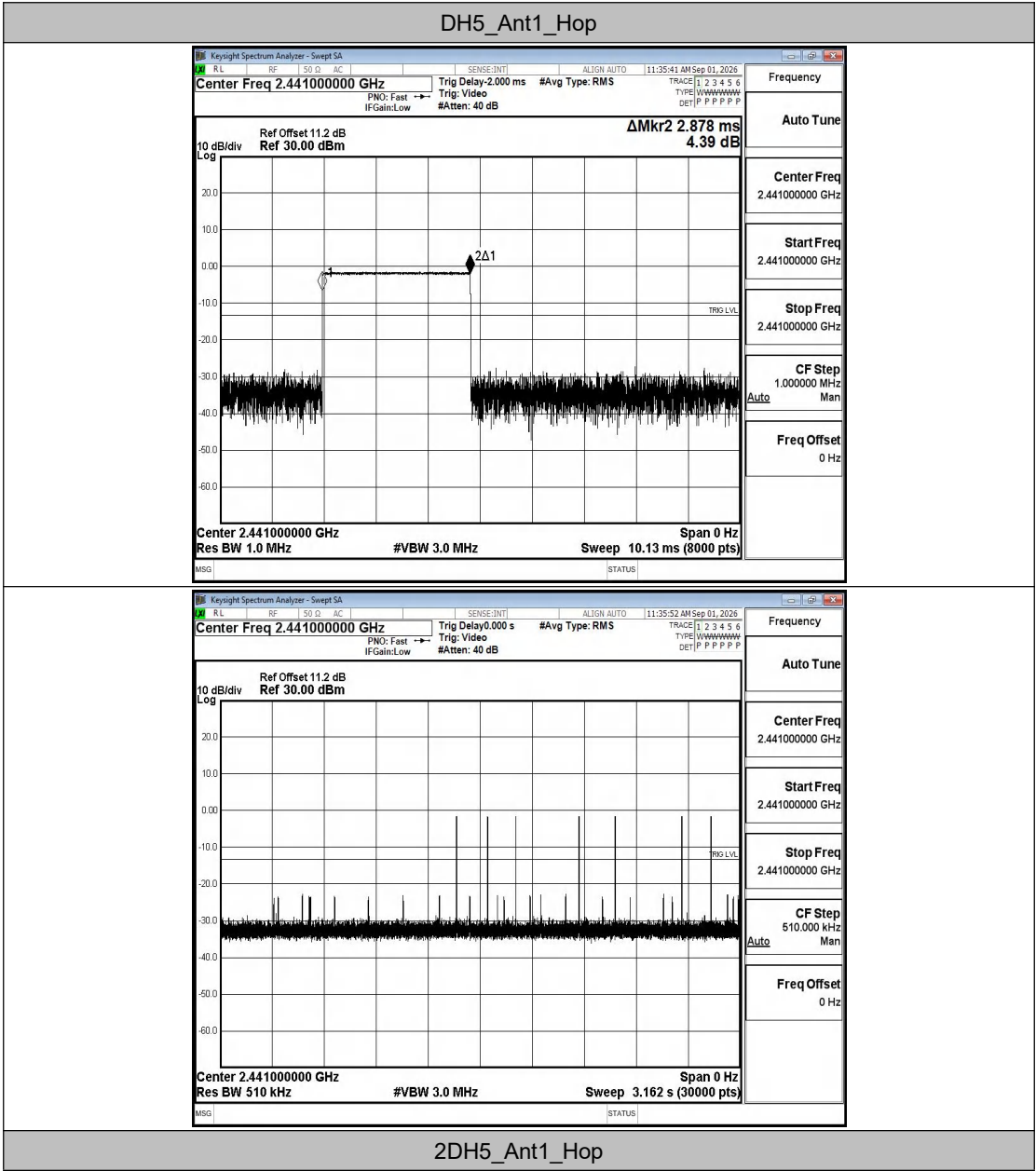


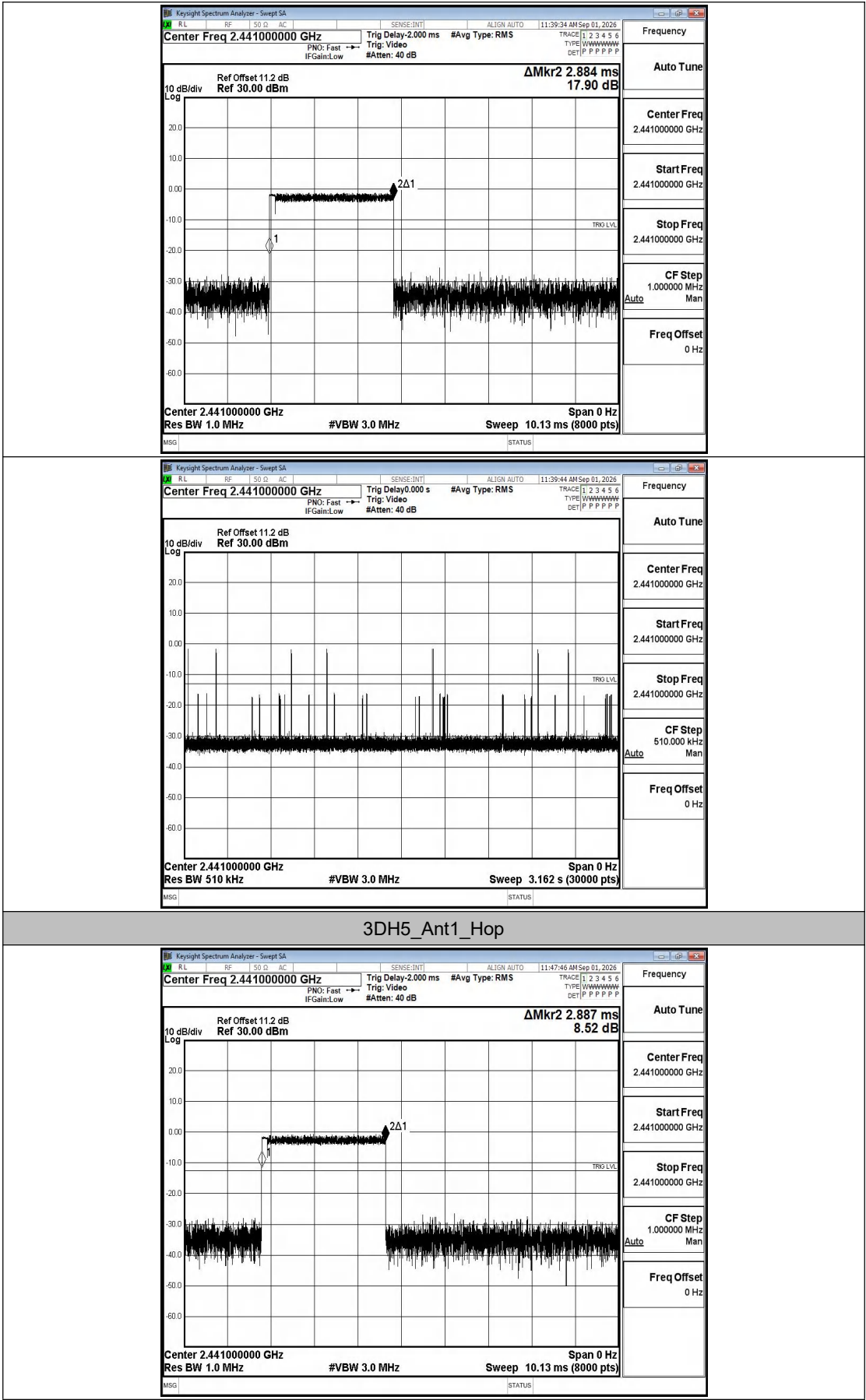
A.4 Time of occupancy

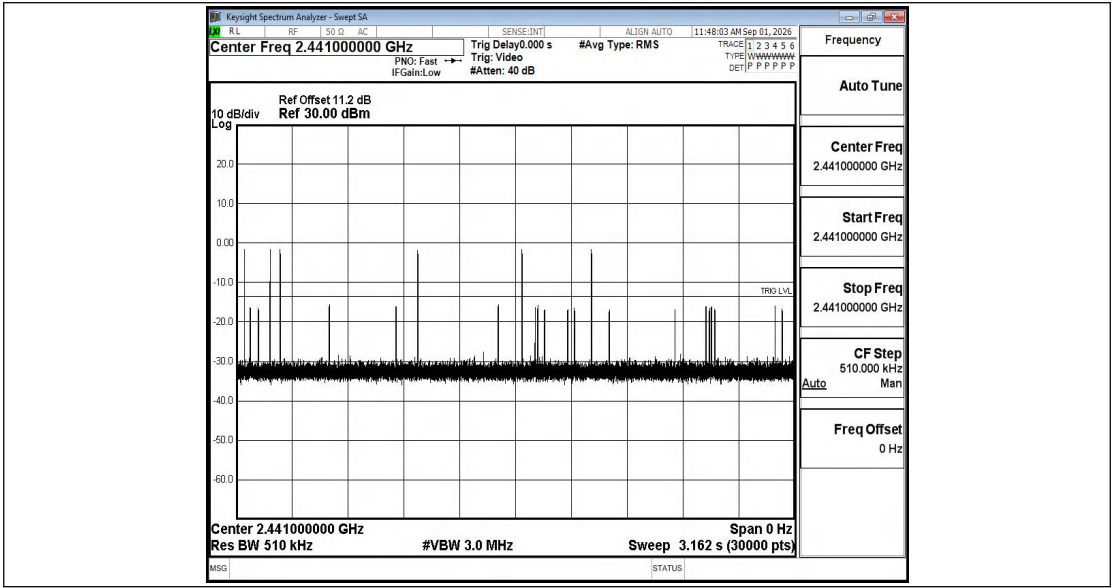
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	80	0.23	≤0.4	PASS
2DH5	Ant1	Hop	2.884	90	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.887	80	0.231	≤0.4	PASS

Test Graphs





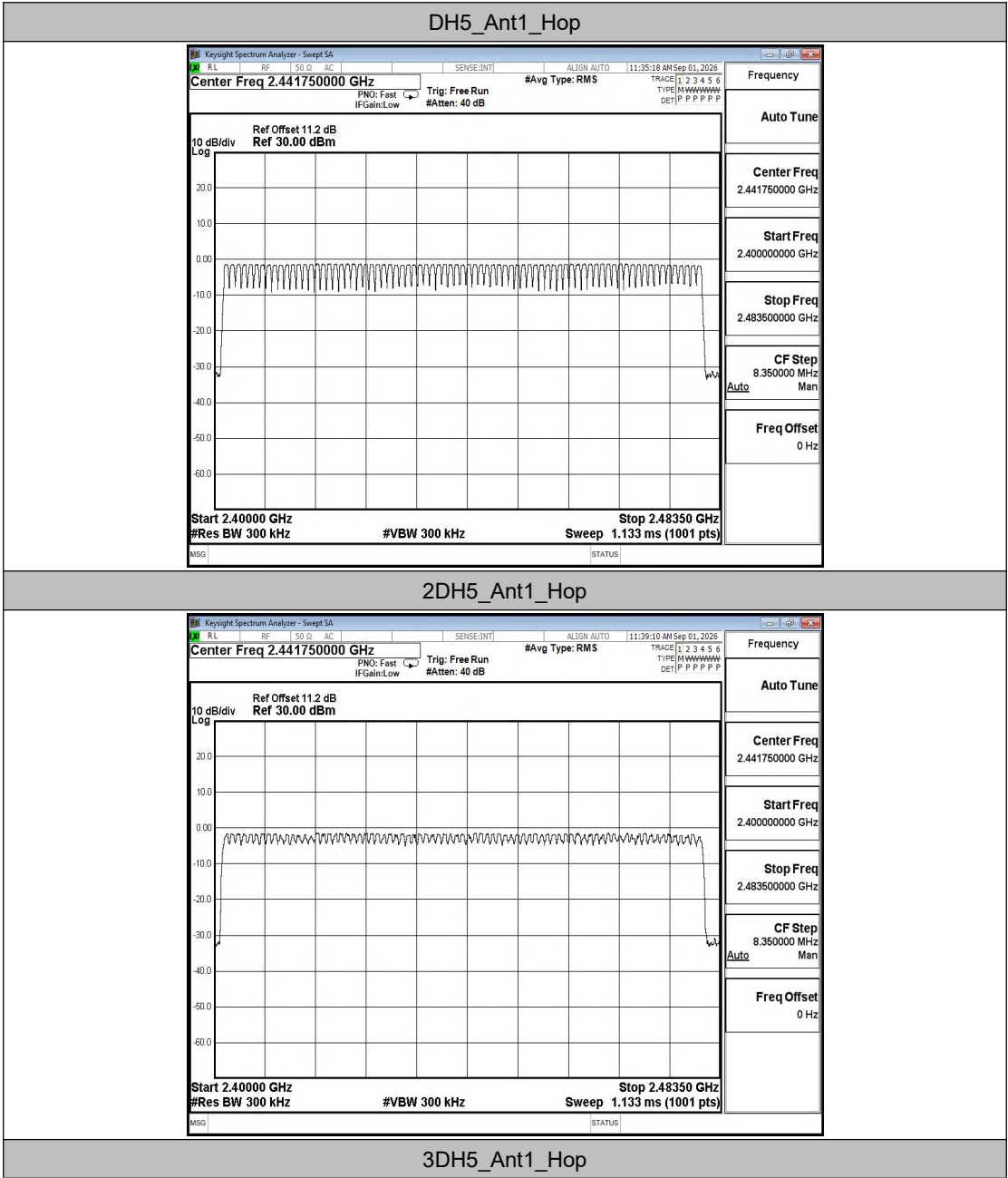


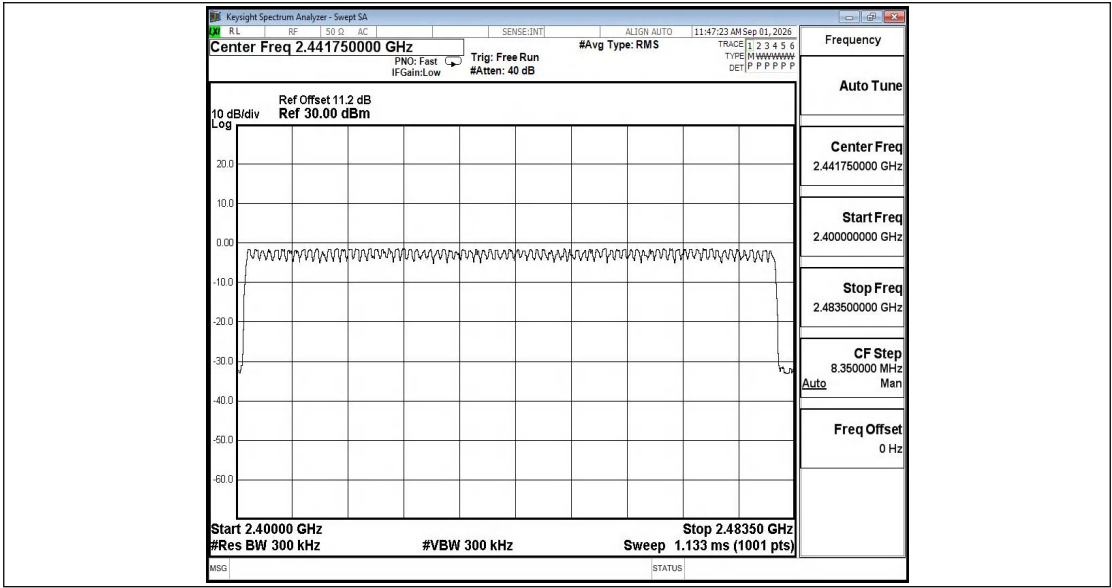
A.5 Number of hopping channels

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



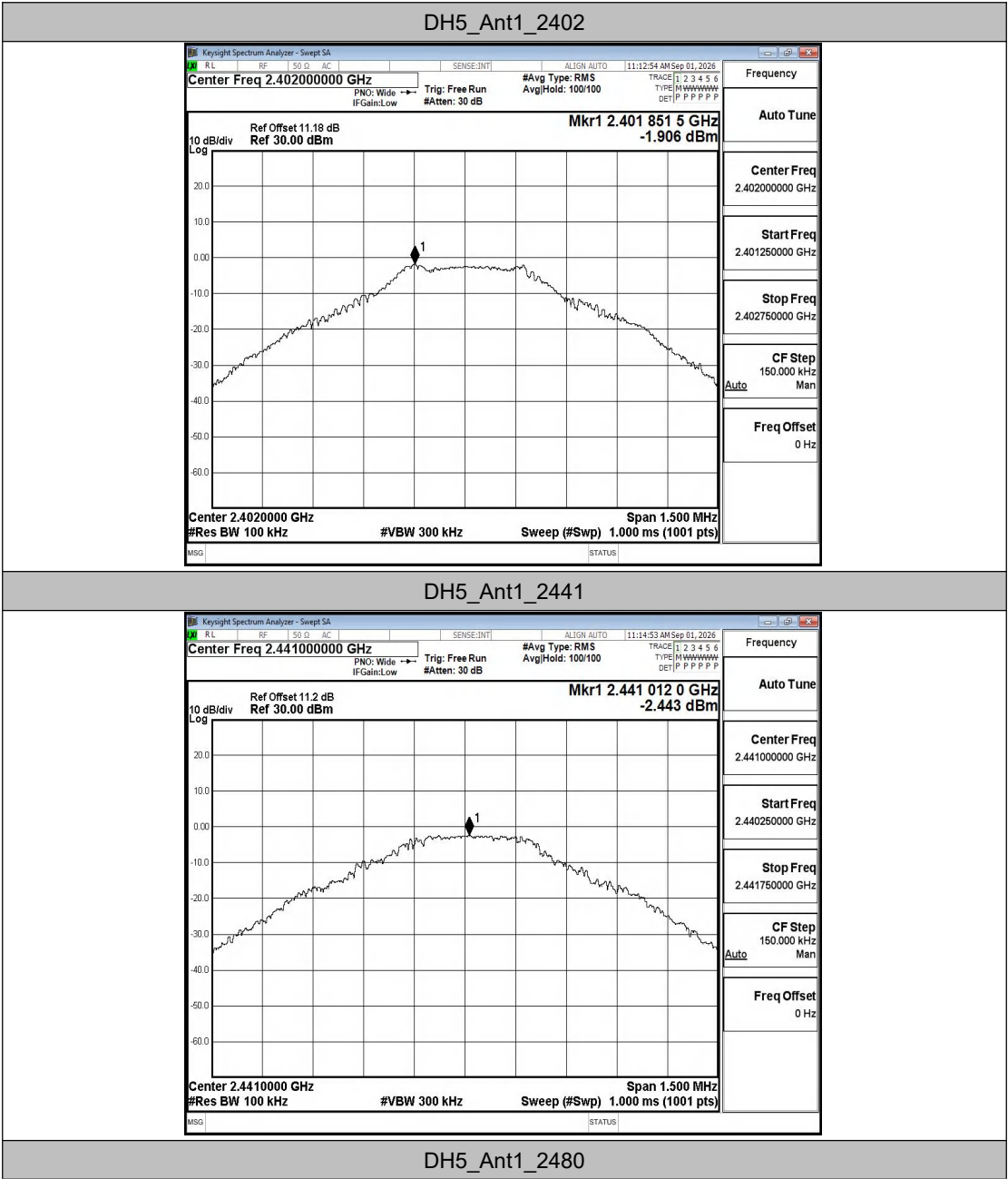


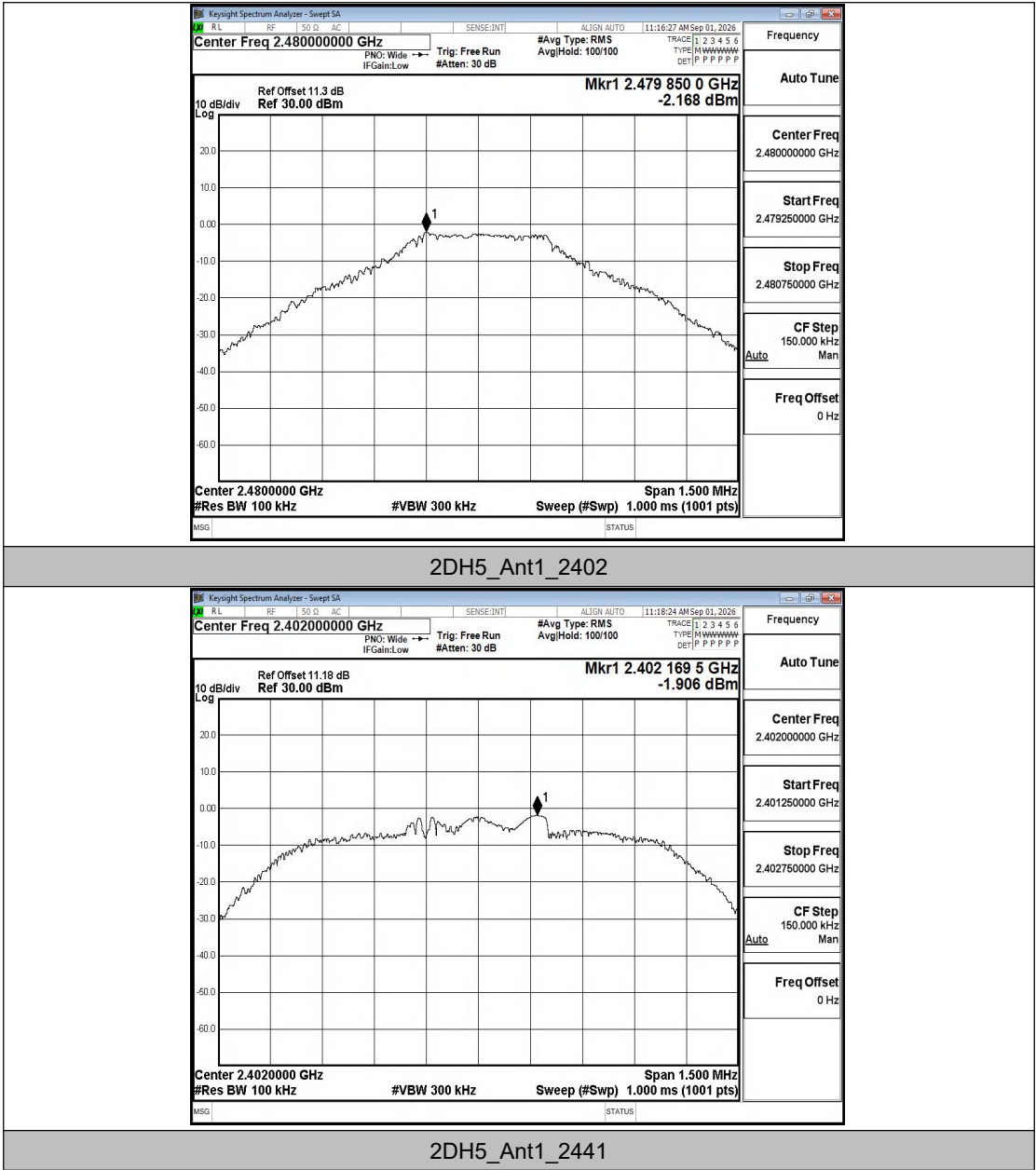
A.6 Band edge measurements

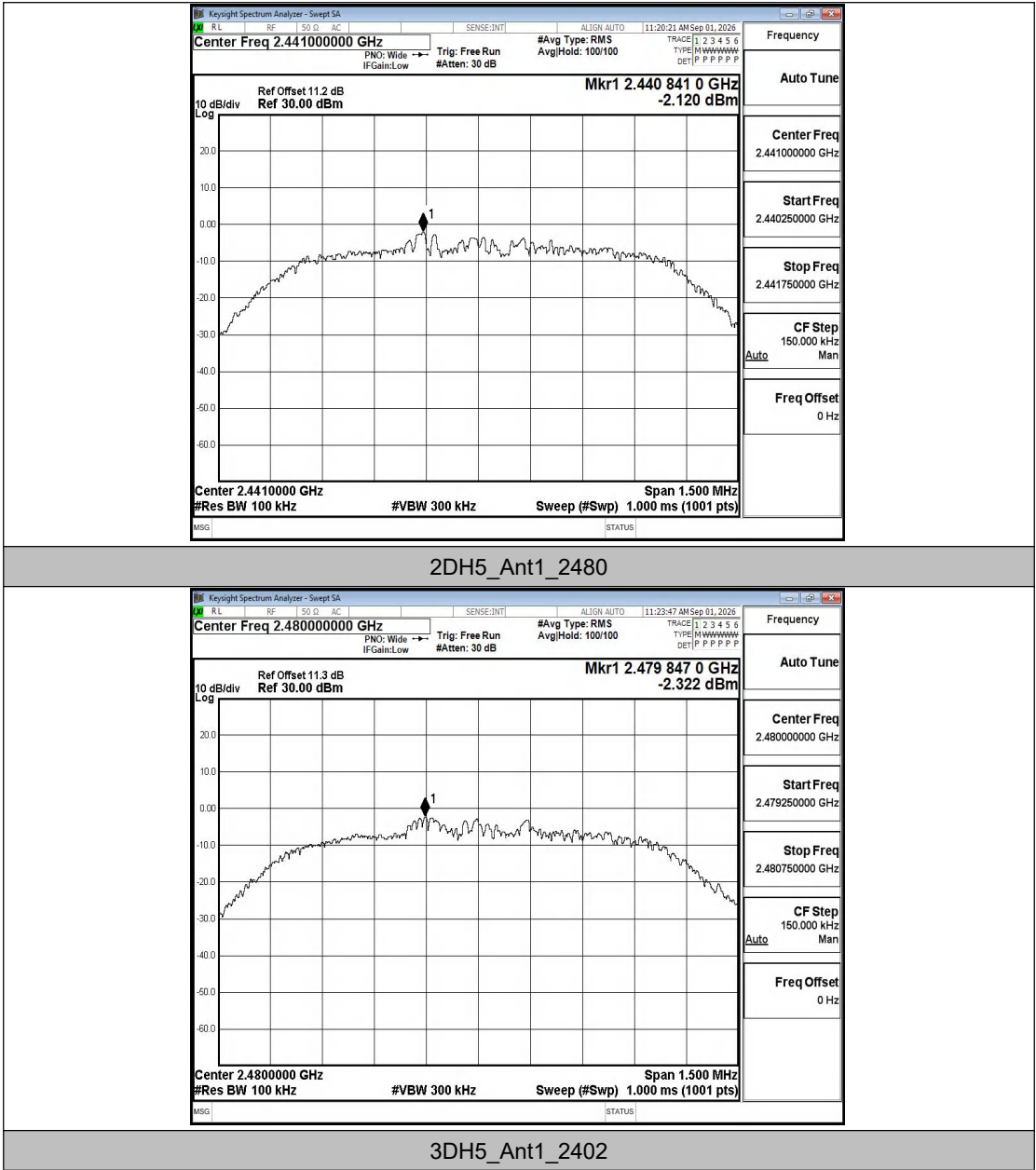
Reference level measurement Test Result

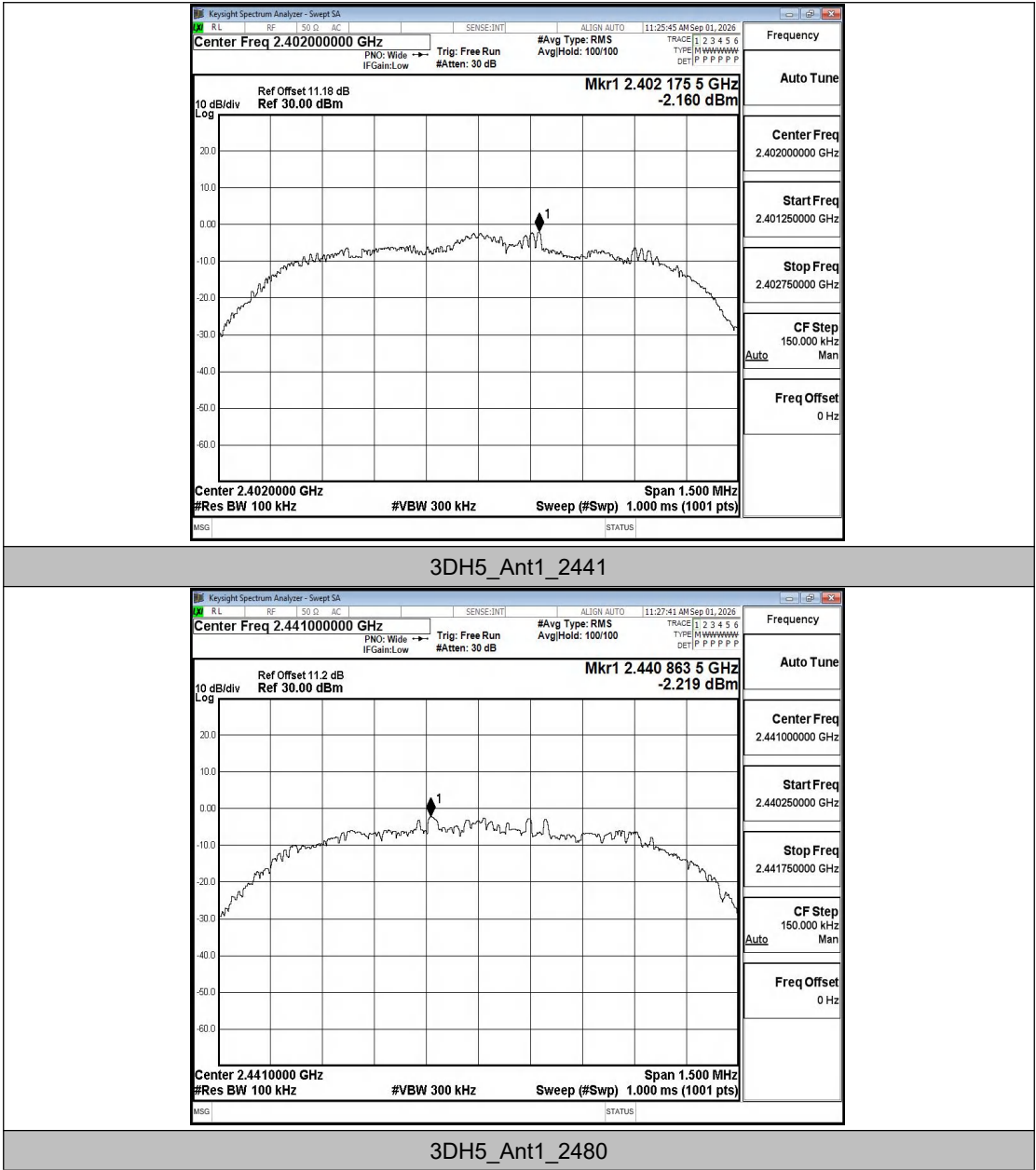
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2401.85	-1.91
		2441	2441.01	-2.44
		2480	2479.85	-2.17
2DH5	Ant1	2402	2402.17	-1.91
		2441	2440.84	-2.12
		2480	2479.85	-2.32
3DH5	Ant1	2402	2402.18	-2.16
		2441	2440.86	-2.22
		2480	2479.99	-2.49

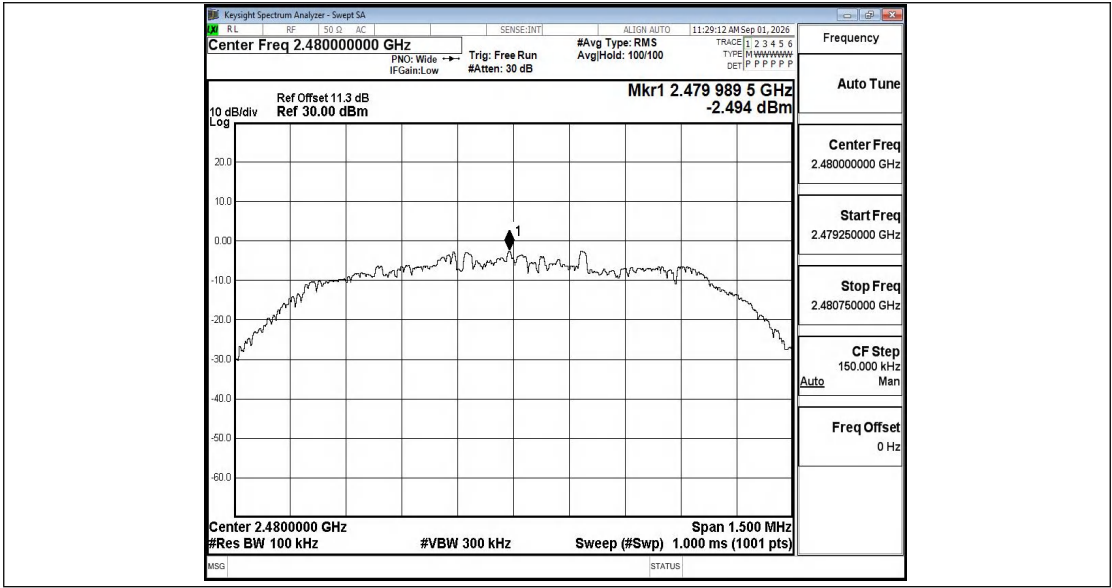
Reference level measurement Test Graphs







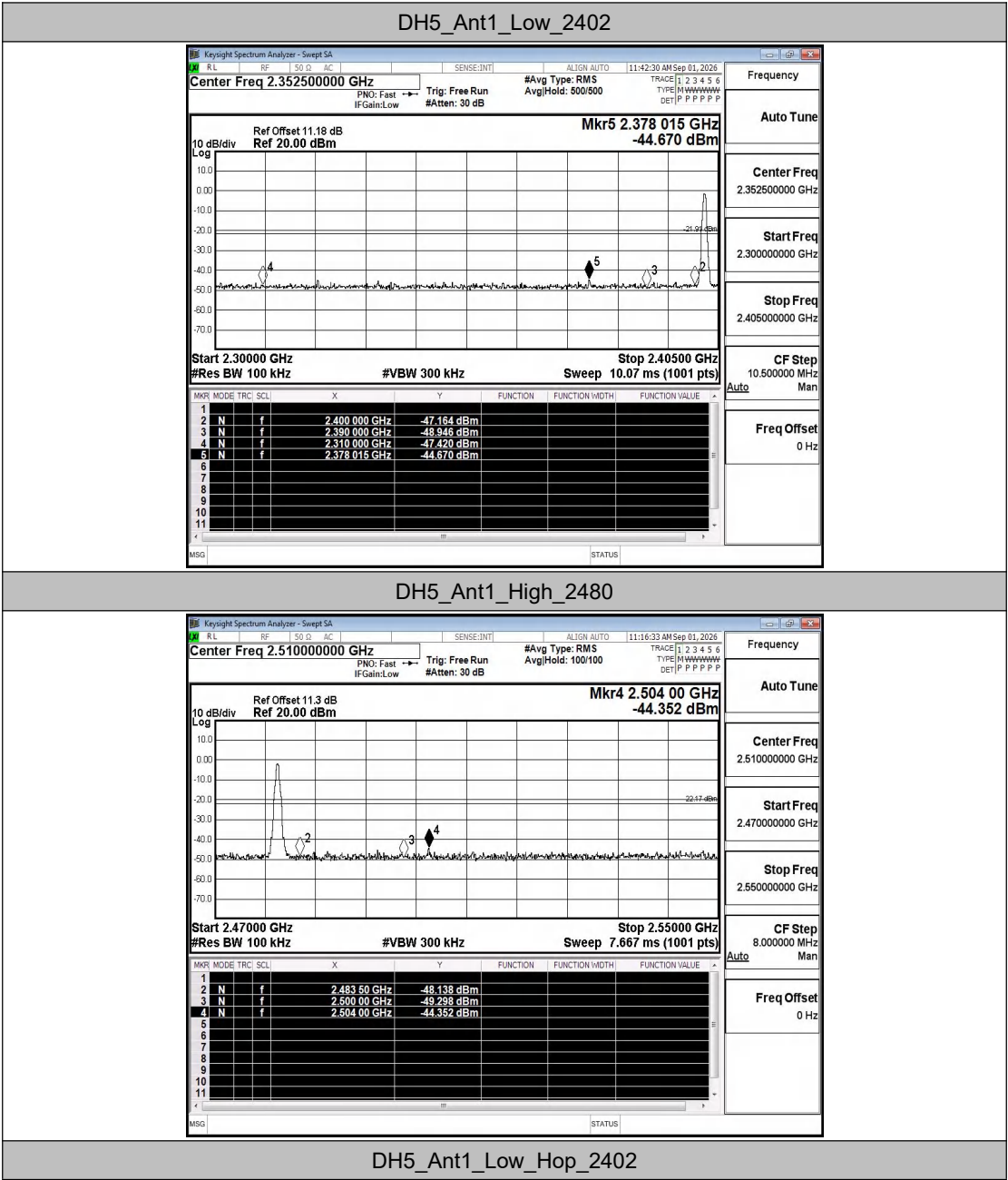


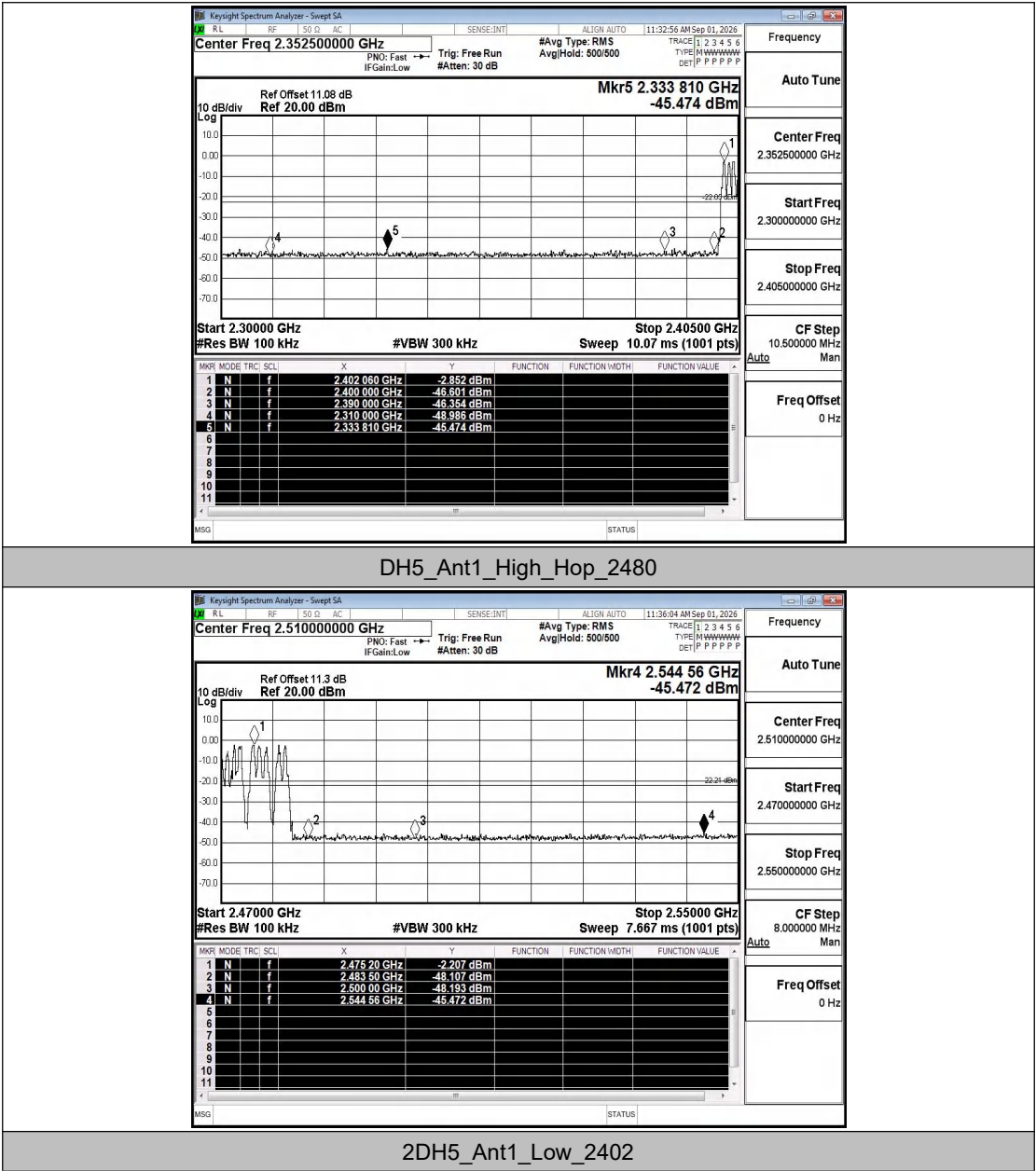


Band edge measurements Test Result

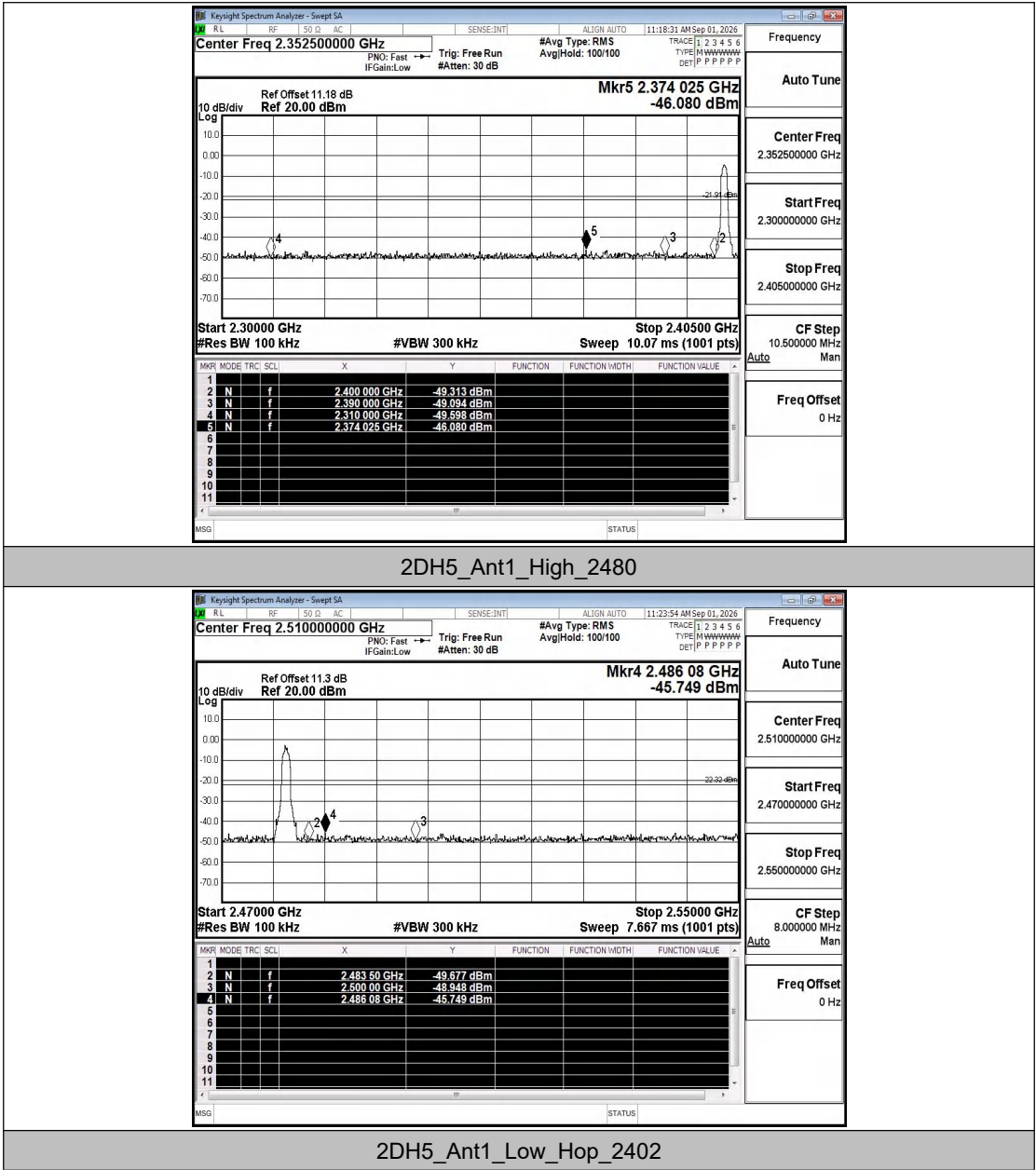
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.91	-44.67	≤-21.91	PASS
		High	2480	-2.17	-44.35	≤-22.17	PASS
		Low	Hop_2402	-2.85	-45.47	≤-22.85	PASS
		High	Hop_2480	-2.21	-45.47	≤-22.21	PASS
2DH5	Ant1	Low	2402	-1.91	-46.08	≤-21.91	PASS
		High	2480	-2.32	-45.75	≤-22.32	PASS
		Low	Hop_2402	-2.24	-45.34	≤-22.24	PASS
		High	Hop_2480	-1.92	-44.76	≤-21.92	PASS
3DH5	Ant1	Low	2402	-2.16	-46.32	≤-22.16	PASS
		High	2480	-2.49	-45.59	≤-22.49	PASS
		Low	Hop_2402	-5.62	-45.68	≤-25.62	PASS
		High	Hop_2480	-2.35	-44.8	≤-22.35	PASS

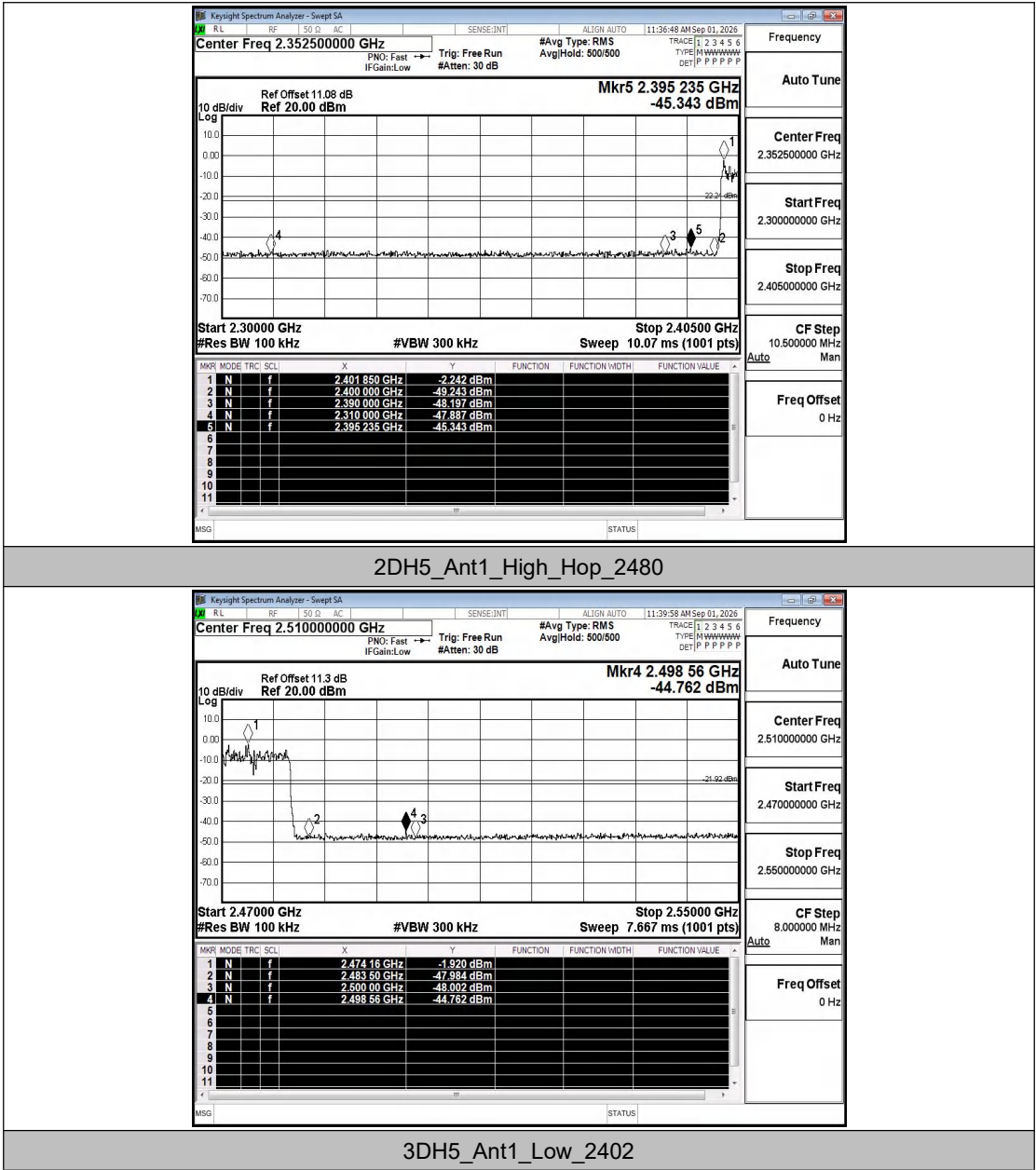
Band edge measurements Test Graphs

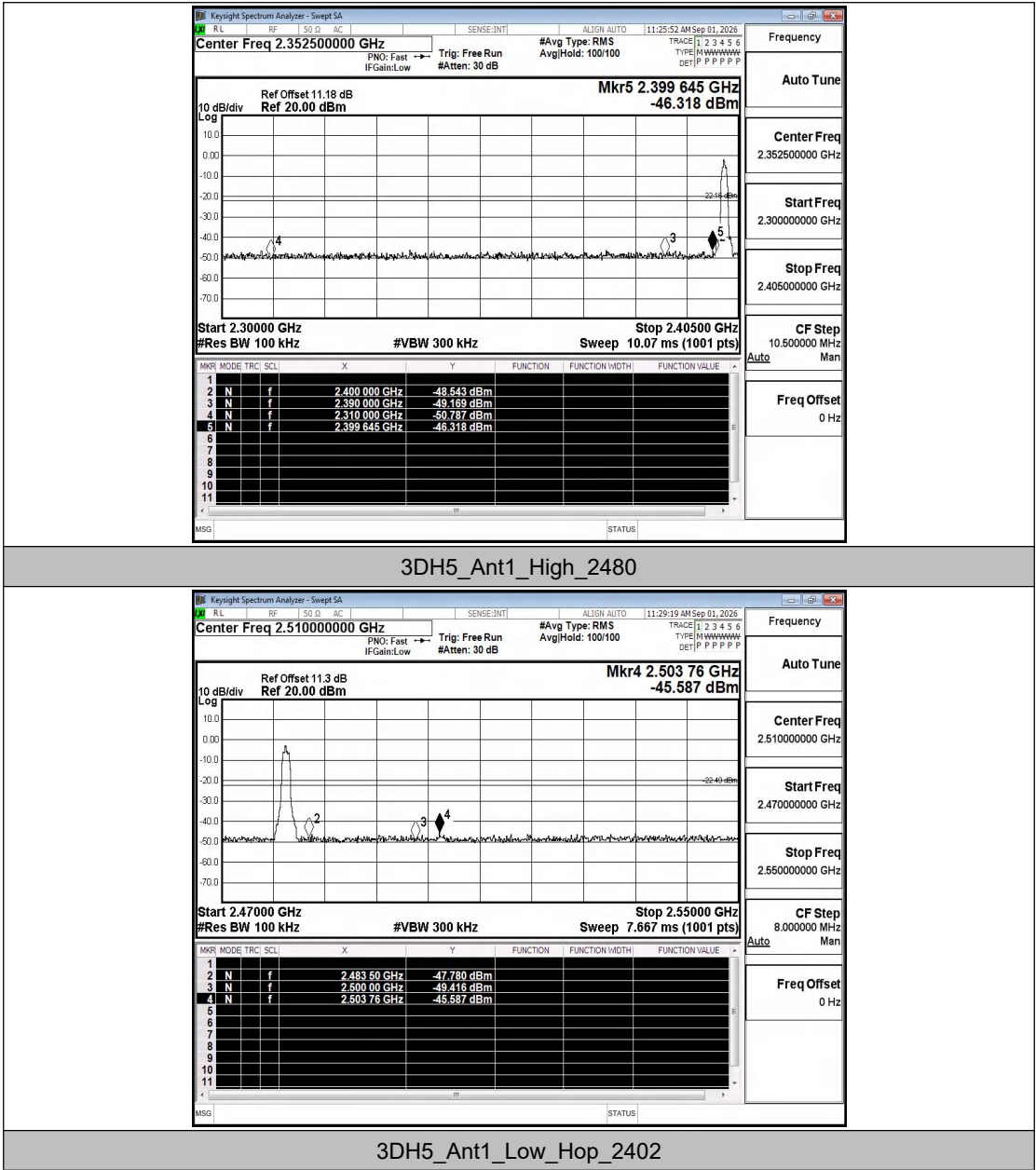


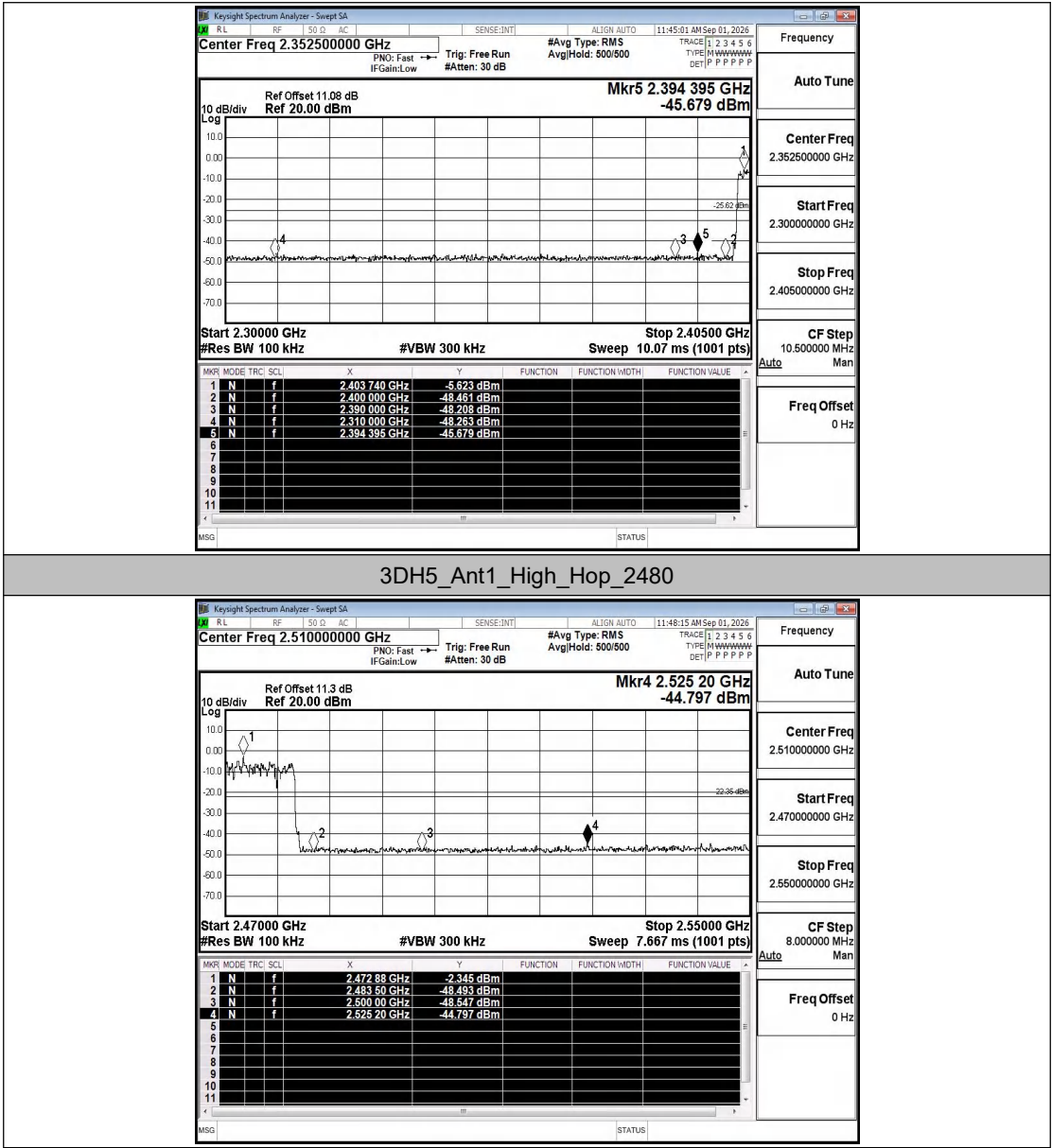


Marker	Mode	TRC	SCL	X	Y	Function	Function Width	Function Value
1	N	f		2.475 20 GHz	-2.207 dBm			
2	N	f		2.483 50 GHz	-48.107 dBm			
3	N	f		2.500 00 GHz	-48.193 dBm			
4	N	f		2.544 56 GHz	-45.472 dBm			
5								
6								
7								
8								
9								
10								
11								









A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-69.55	≤-21.91	PASS
			1000~26500	-1.91	-36	≤-21.91	PASS
		2441	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-69.48	≤-22.01	PASS
			1000~26500	-2.01	-32.74	≤-22.01	PASS
		2480	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-69.68	≤-22.15	PASS
			1000~26500	-2.15	-33.59	≤-22.15	PASS
2DH5	Ant1	2402	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-69.84	≤-21.92	PASS
			1000~26500	-1.92	-36.78	≤-21.92	PASS
		2441	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-69.94	≤-21.97	PASS
			1000~26500	-1.97	-35.43	≤-21.97	PASS
		2480	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-68.23	≤-22.15	PASS
			1000~26500	-2.15	-32.27	≤-22.15	PASS
3DH5	Ant1	2402	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-69.17	≤-21.89	PASS
			1000~26500	-1.89	-35.06	≤-21.89	PASS
		2441	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-70.07	≤-21.99	PASS
			1000~26500	-1.99	-33.24	≤-21.99	PASS
		2480	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-69.84	≤-22.17	PASS
			1000~26500	-2.17	-33.85	≤-22.17	PASS

Test Graphs

