



Appendix E

RF Test Data for BT (Conducted Measurement)

Product Name: Android Mobile Scanning Device

Test Model: DRS-50

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Monkey Li
Supervised by:	Li Huan

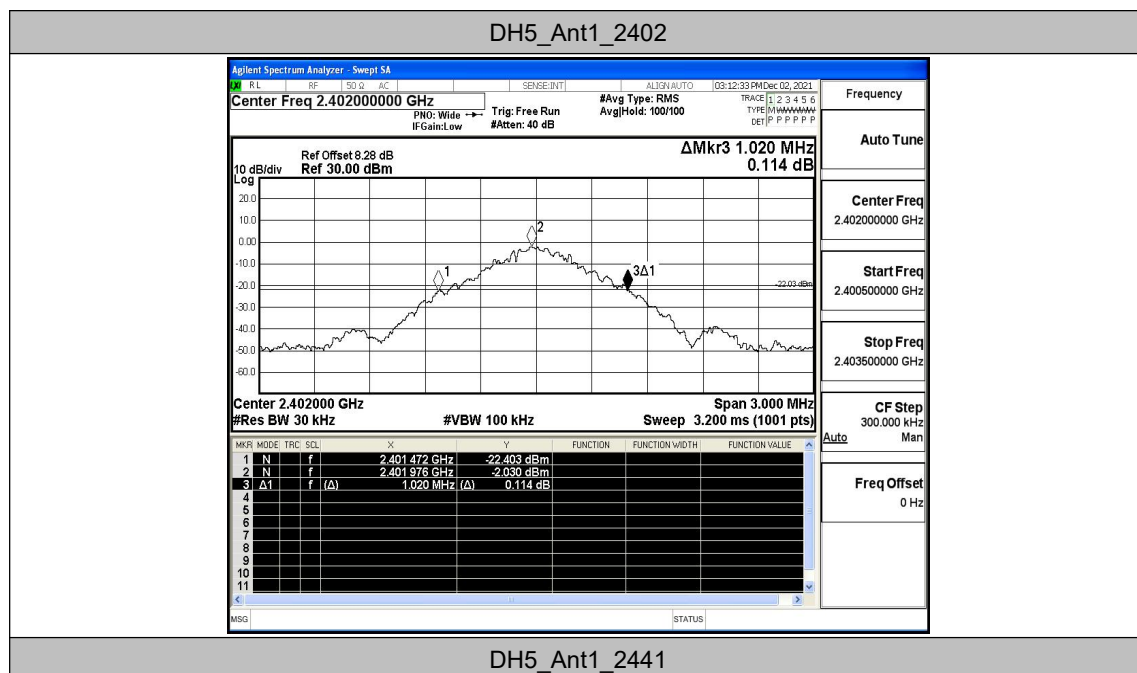


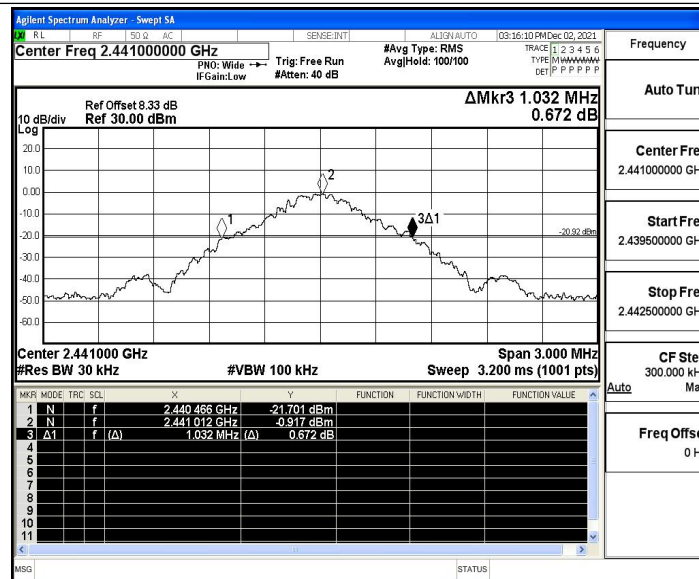
E.1 20dB Emission Bandwidth

Test Result

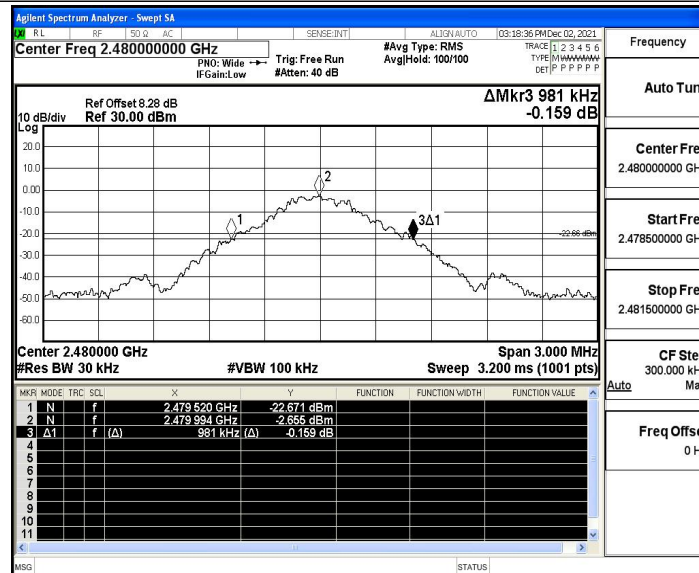
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.472	2402.492	---	PASS
		2441	1.032	2440.466	2441.498	---	PASS
		2480	0.981	2479.520	2480.501	---	PASS
2DH5	Ant1	2402	1.362	2401.322	2402.684	---	PASS
		2441	1.317	2440.337	2441.654	---	PASS
		2480	1.278	2479.376	2480.654	---	PASS
3DH5	Ant1	2402	1.347	2401.325	2402.672	---	PASS
		2441	1.350	2440.325	2441.675	---	PASS
		2480	1.308	2479.349	2480.657	---	PASS

Test Graphs

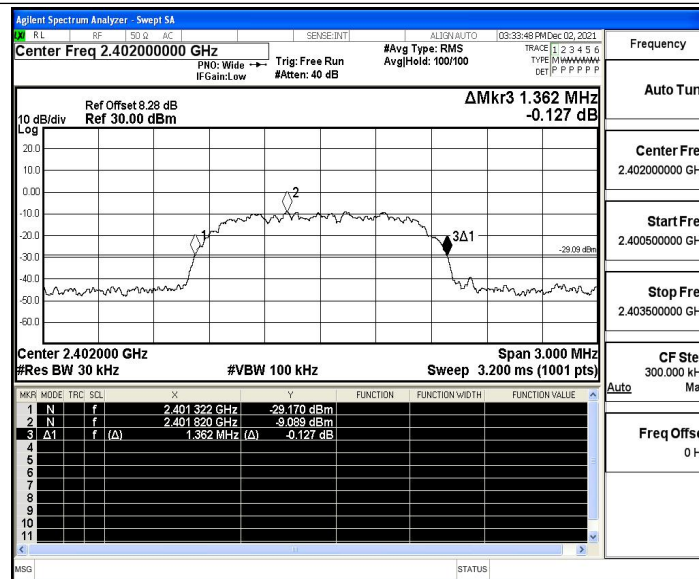




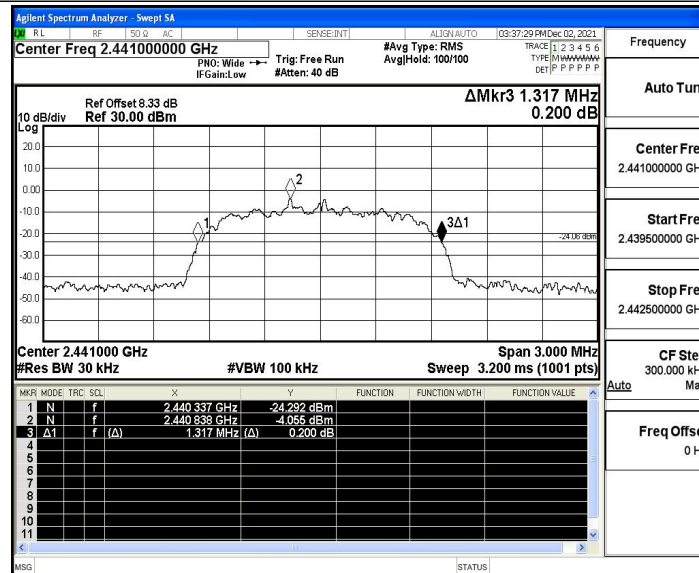
DH5_Ant1_2480



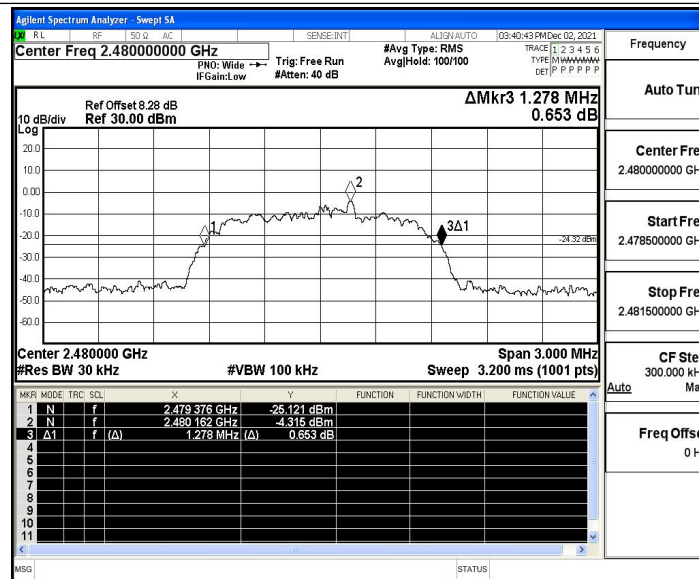
2DH5_Ant1_2402



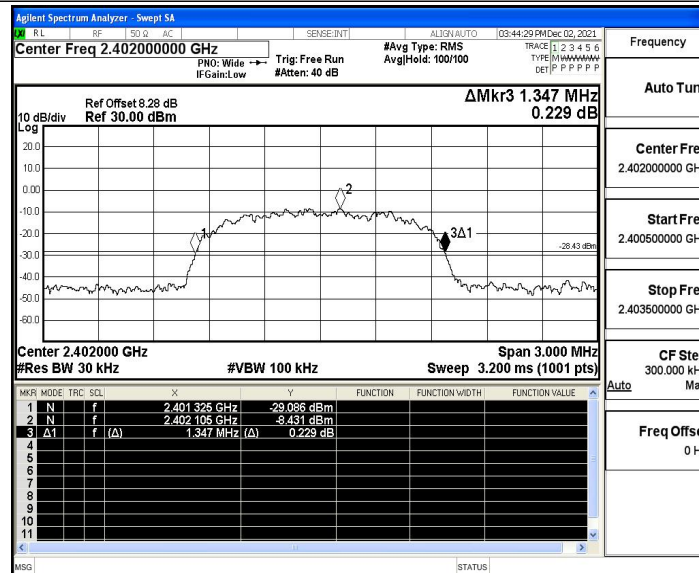
2DH5_Ant1_2441



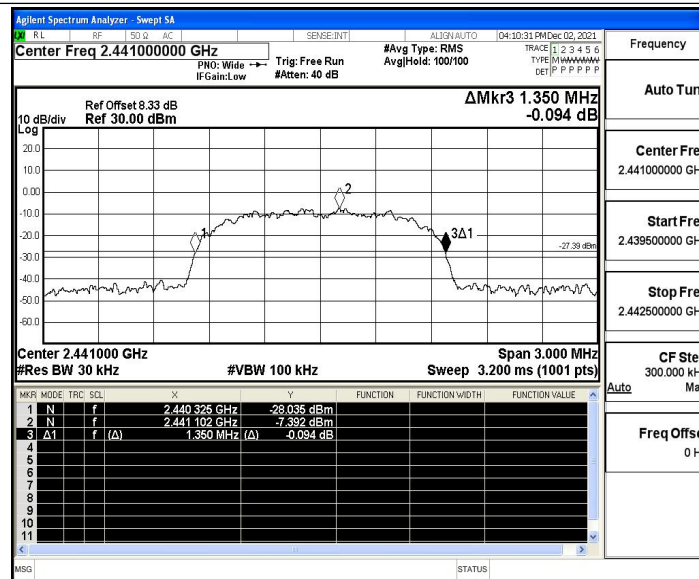
2DH5_Ant1_2480



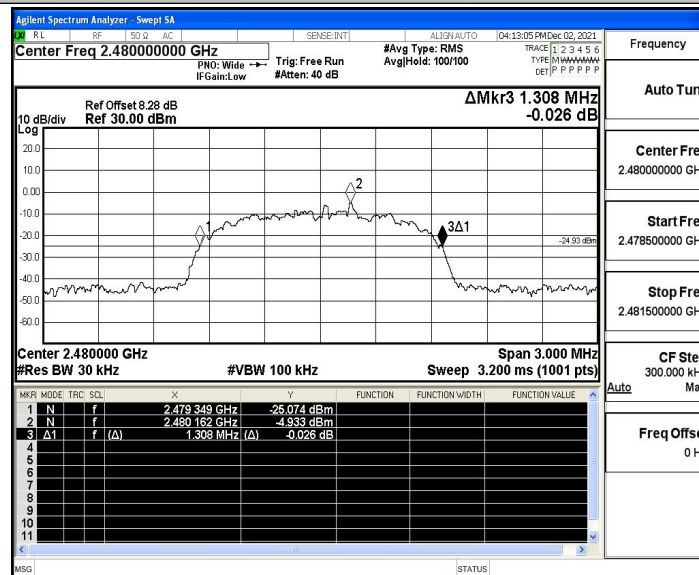
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



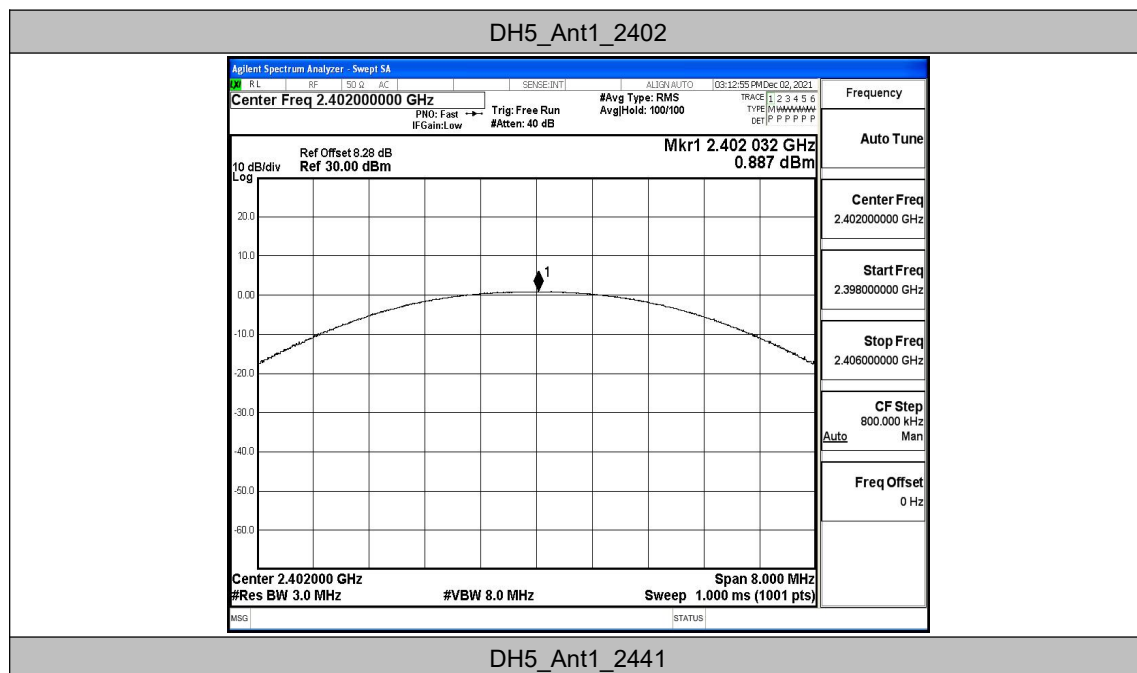


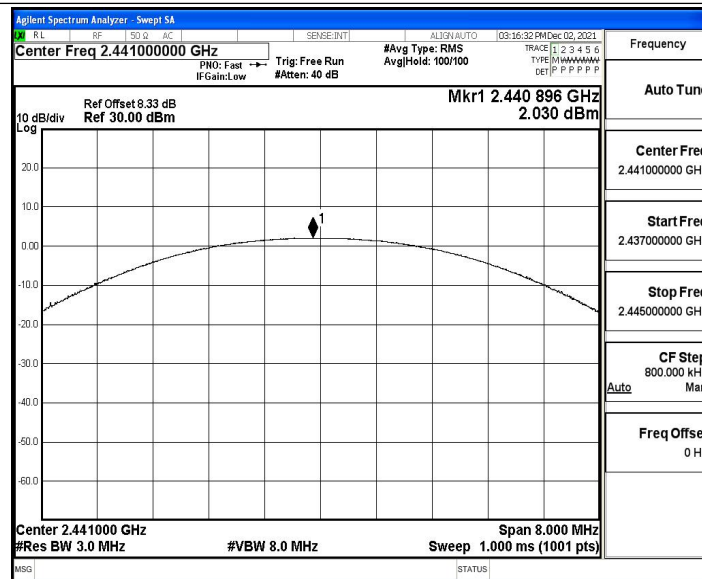
E.2 Maximum conducted output power

Test Result

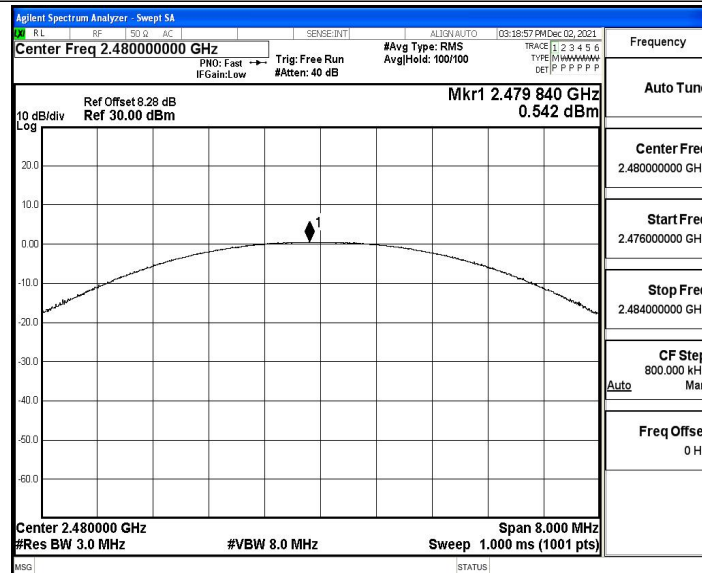
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.89	≤20.97	PASS
		2441	2.03	≤20.97	PASS
		2480	0.54	≤20.97	PASS
2DH5	Ant1	2402	0.06	≤20.97	PASS
		2441	0.97	≤20.97	PASS
		2480	-0.35	≤20.97	PASS
3DH5	Ant1	2402	0.13	≤20.97	PASS
		2441	1.31	≤20.97	PASS
		2480	-0.13	≤20.97	PASS

Test Graphs

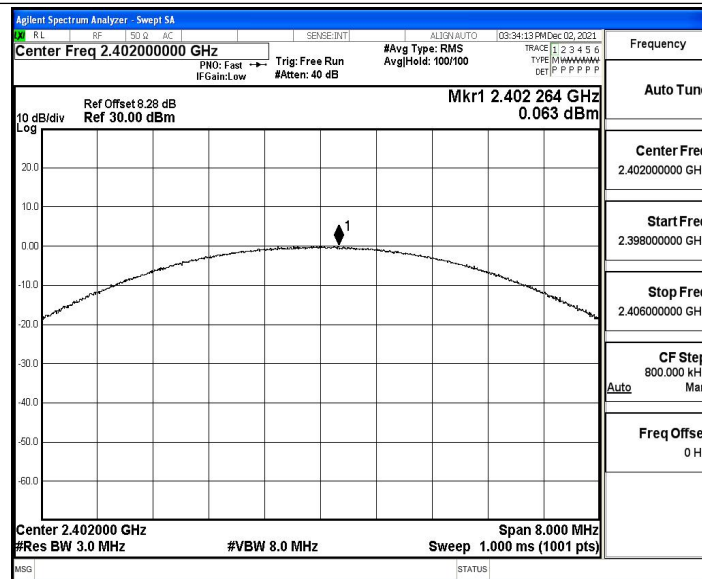




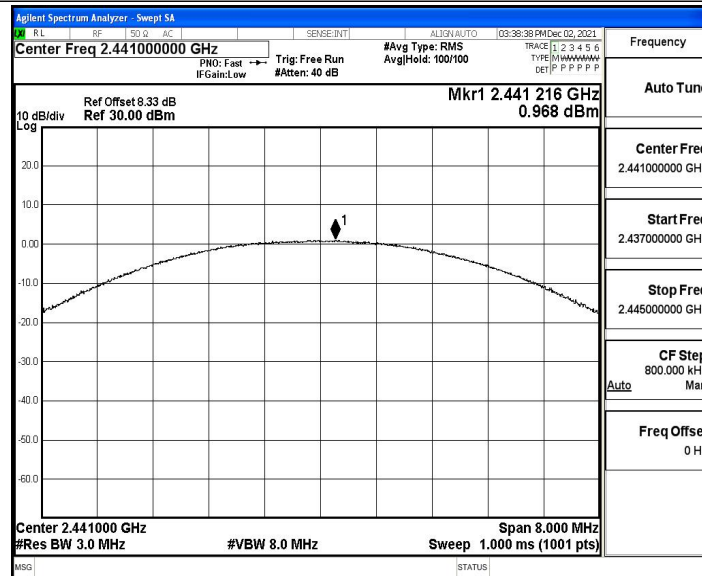
DH5_Ant1_2480



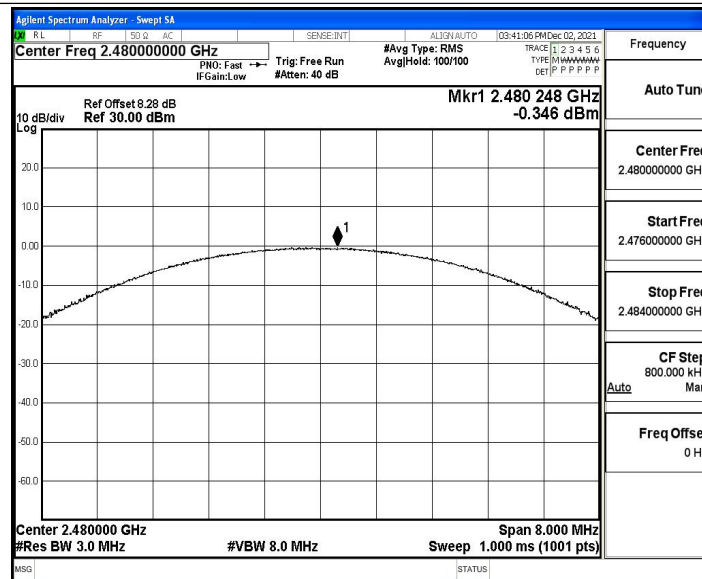
2DH5_Ant1_2402



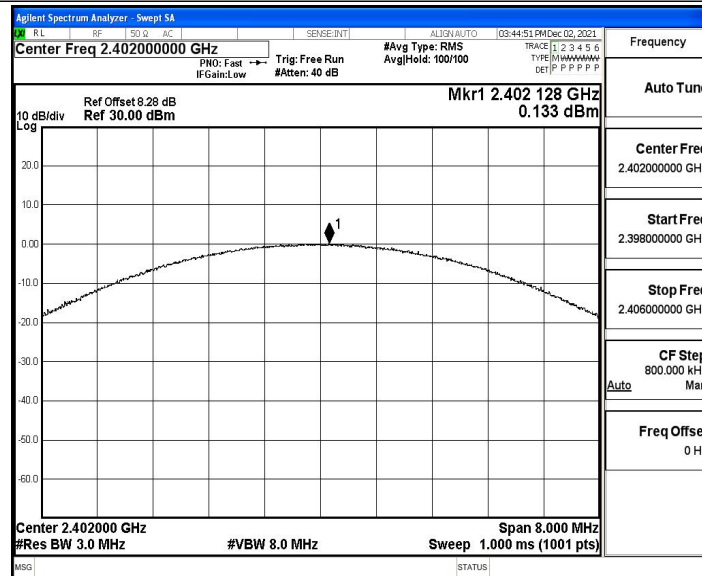
2DH5_Ant1_2441



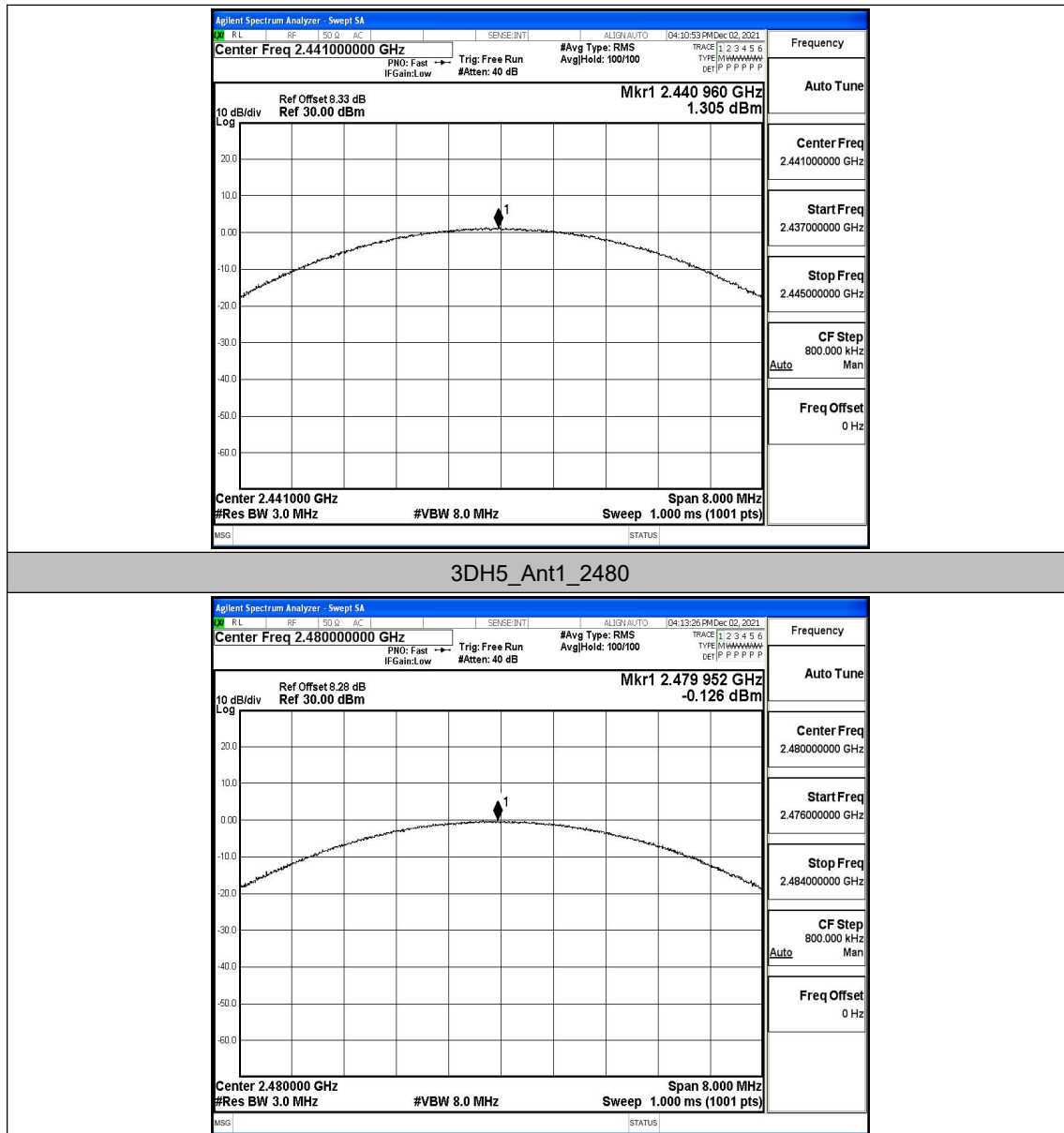
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



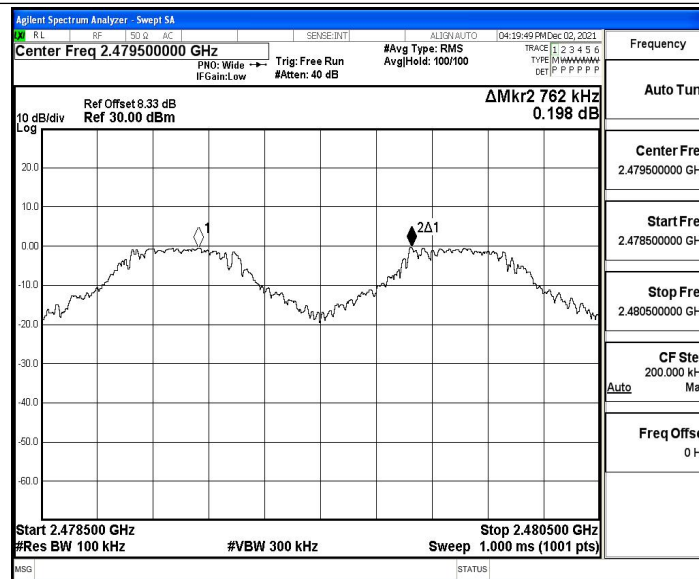
E.3 Carrier frequency separation

Test Result

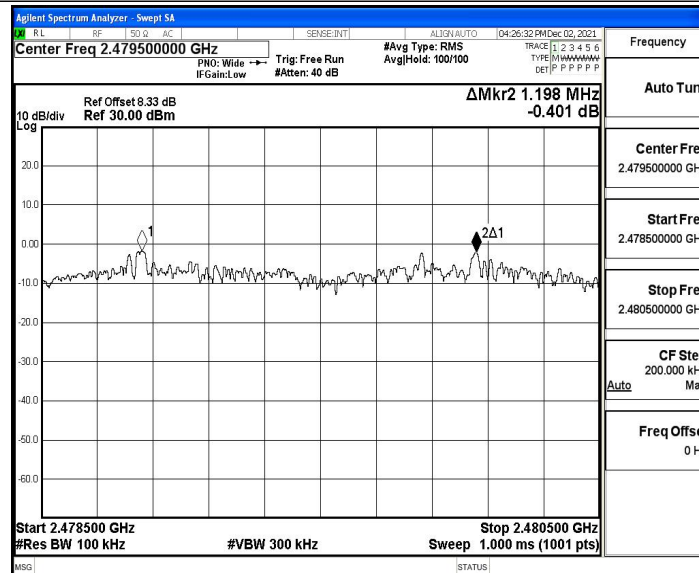
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.762	≥ 0.688	PASS
2DH5	Ant1	Hop	1.198	≥ 0.908	PASS
3DH5	Ant1	Hop	1.1	≥ 0.900	PASS

Test Graphs

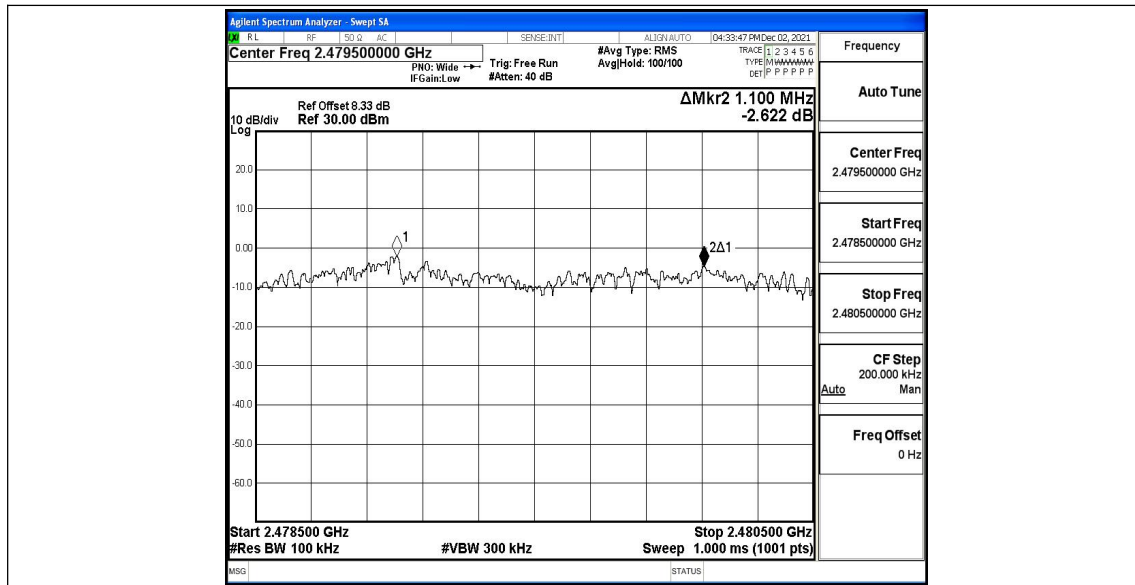
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



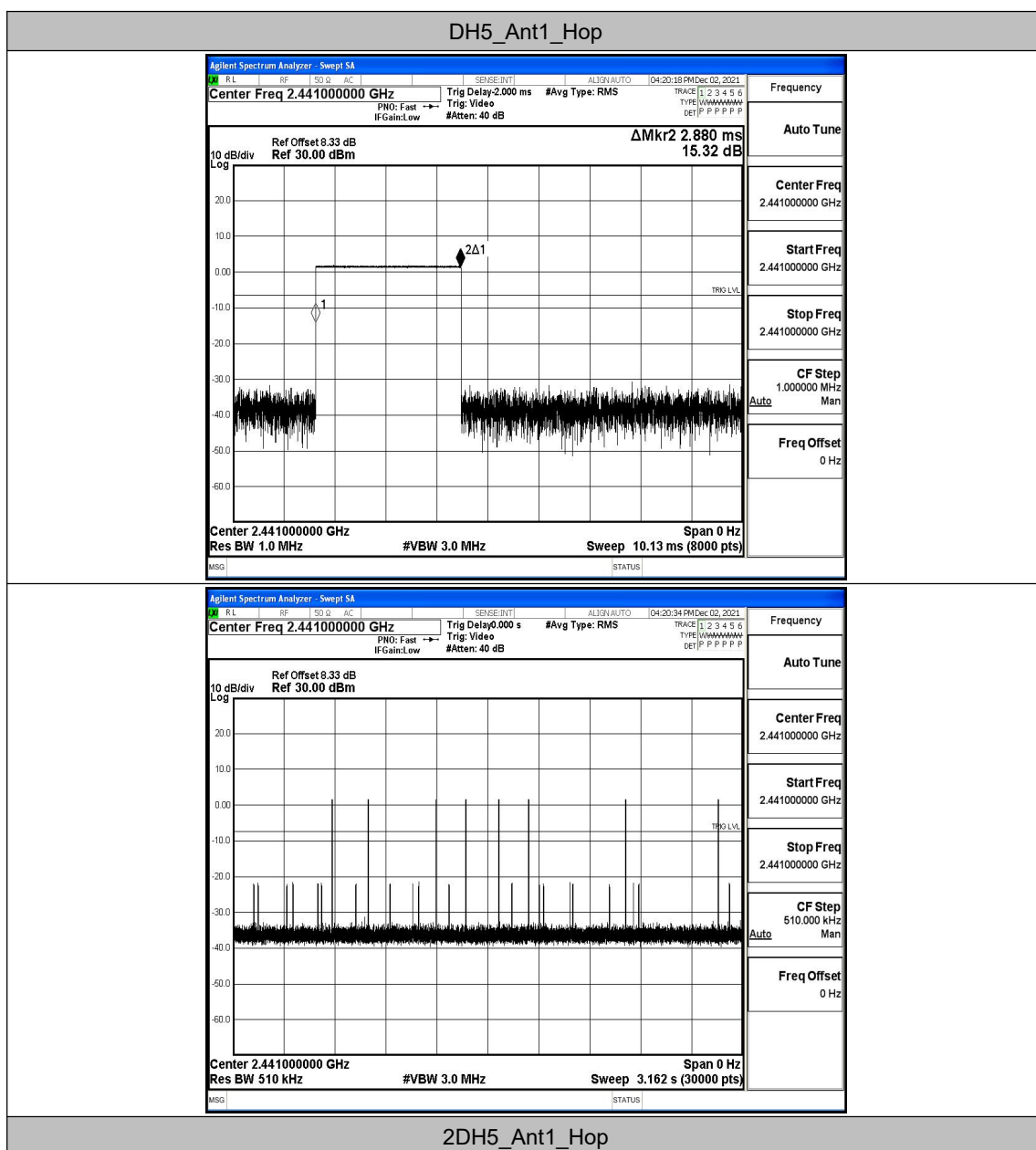


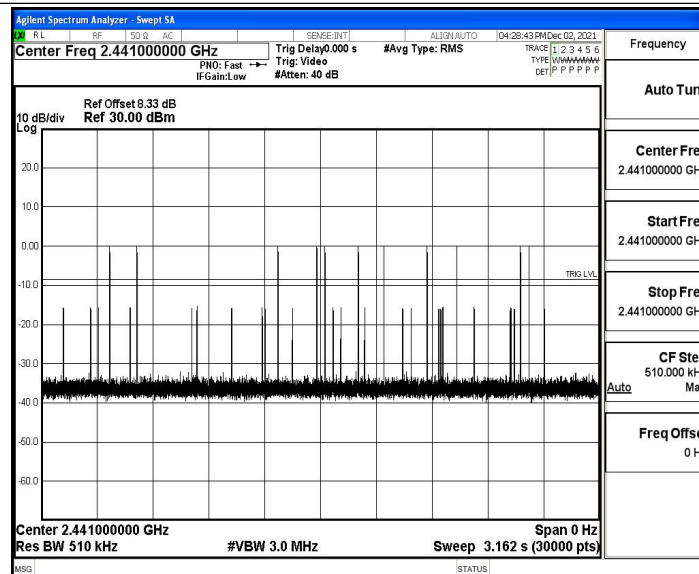
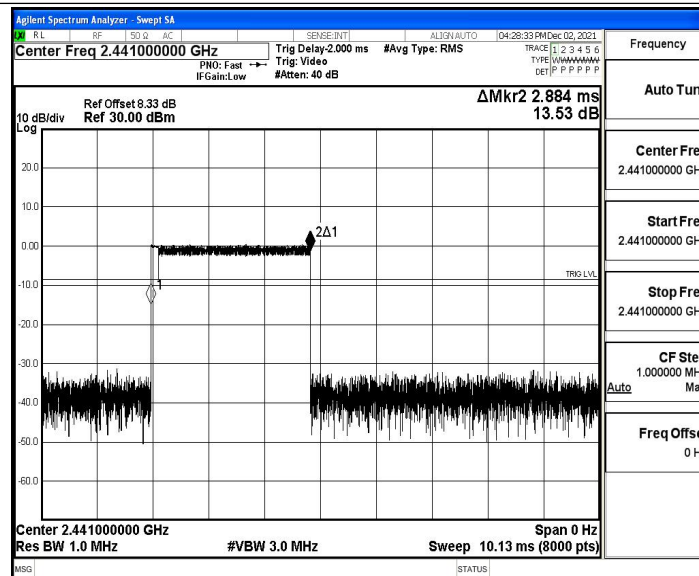
E.4 Time of occupancy

Test Result

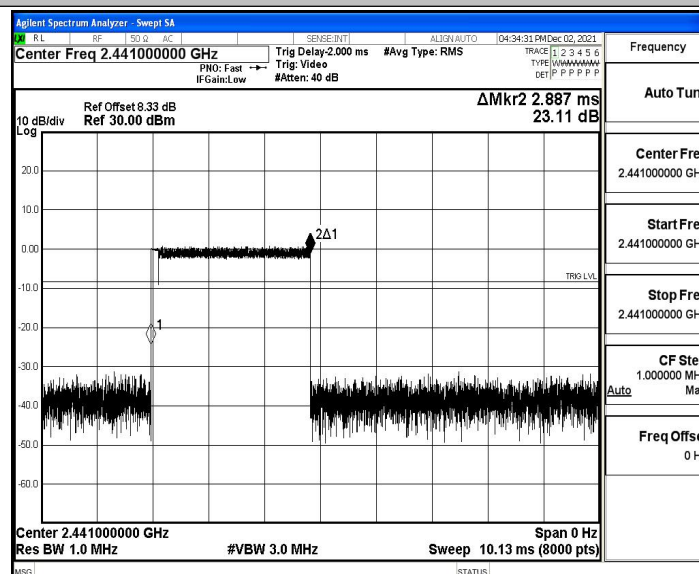
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS

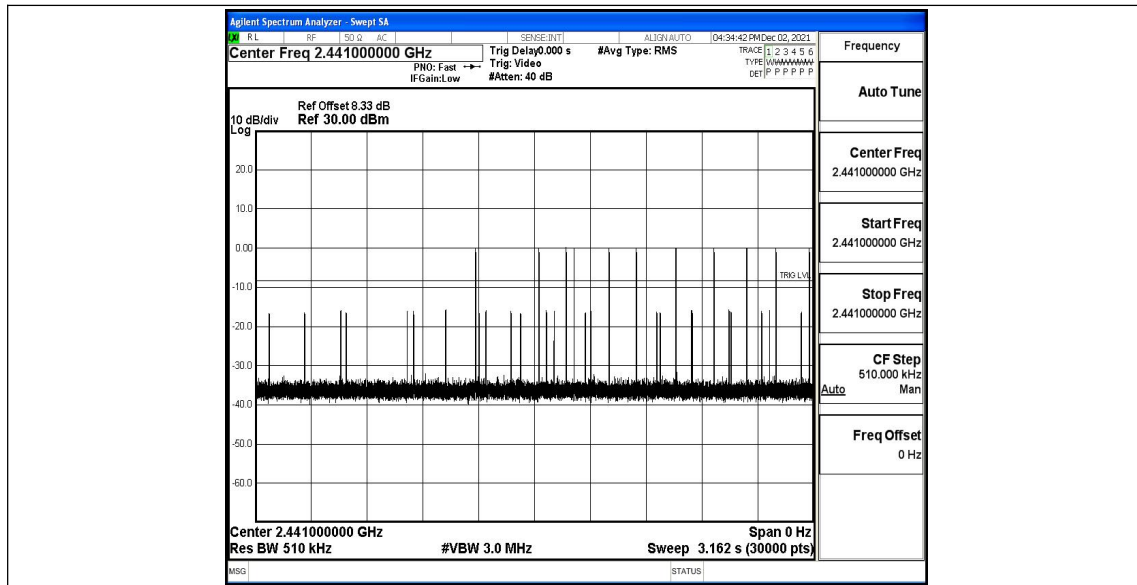
Test Graphs

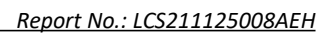


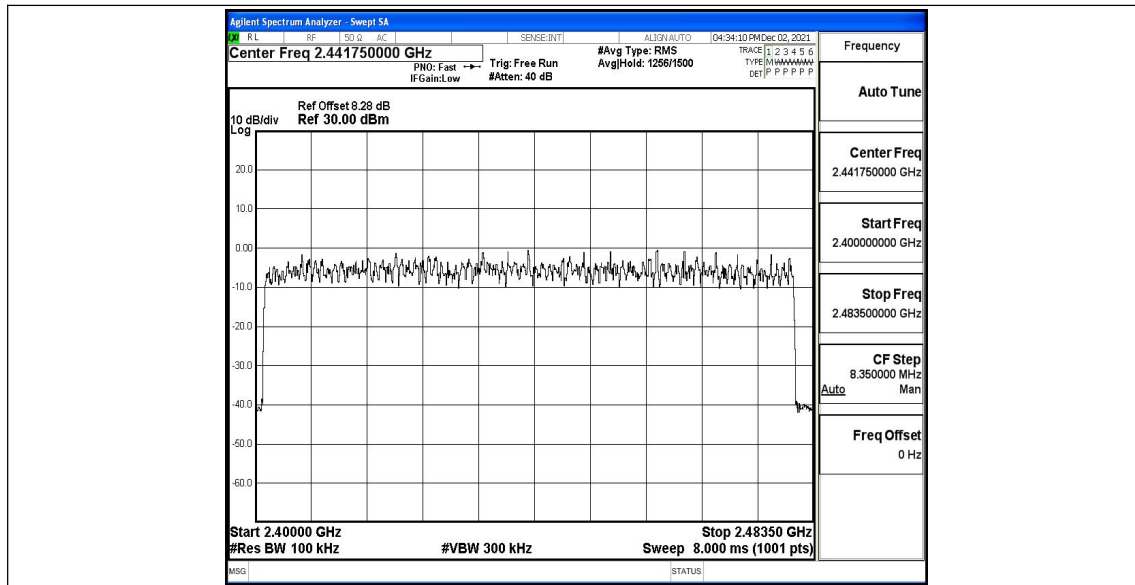


3DH5_Ant1_Hop











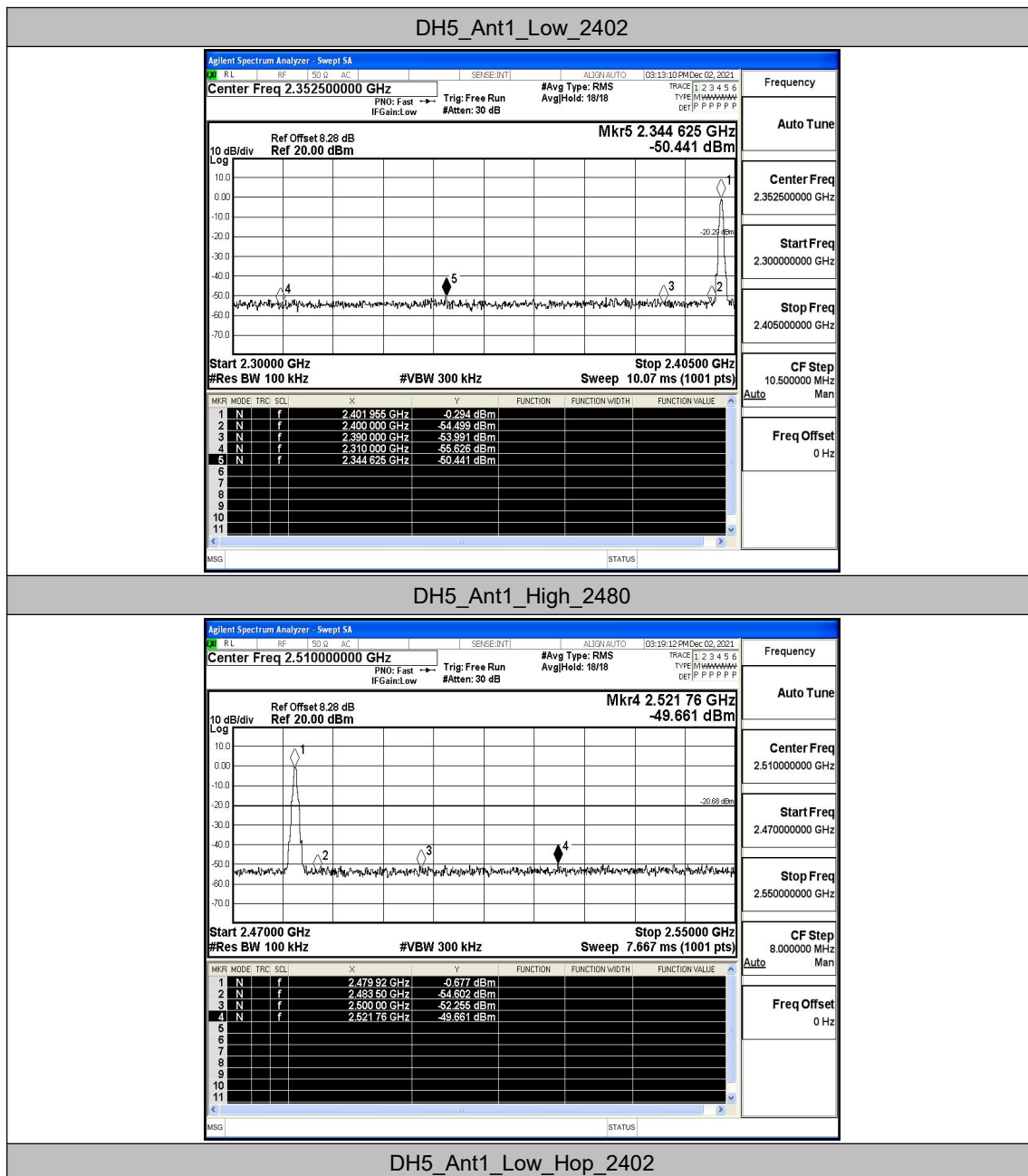
E.6 Band edge measurements

Test Result

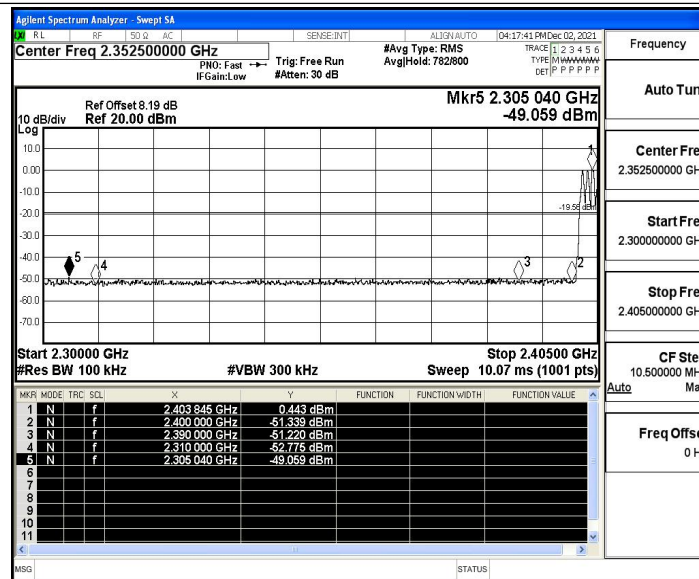
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.29	-50.44	≤ -20.29	PASS
		High	2480	-0.68	-49.66	≤ -20.68	PASS
		Low	Hop_2402	0.44	-49.06	≤ -19.56	PASS
		High	Hop_2480	0.05	-48.08	≤ -19.95	PASS
2DH5	Ant1	Low	2402	-4.94	-50.19	≤ -24.94	PASS
		High	2480	-3.47	-49.92	≤ -23.47	PASS
		Low	Hop_2402	-2.37	-49.65	≤ -22.37	PASS
		High	Hop_2480	-1.06	-48.34	≤ -21.06	PASS
3DH5	Ant1	Low	2402	-4.64	-50.55	≤ -24.64	PASS
		High	2480	-1.81	-49.9	≤ -21.81	PASS
		Low	Hop_2402	-2.61	-49.74	≤ -22.61	PASS
		High	Hop_2480	-3.29	-48.8	≤ -23.29	PASS



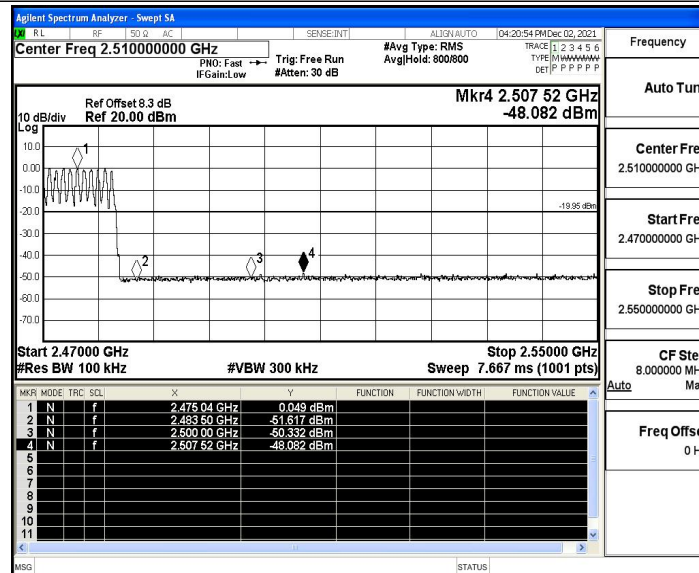
Test Graphs



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402