



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Speaker

Test Model: XY-AU023

Environmental Conditions

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

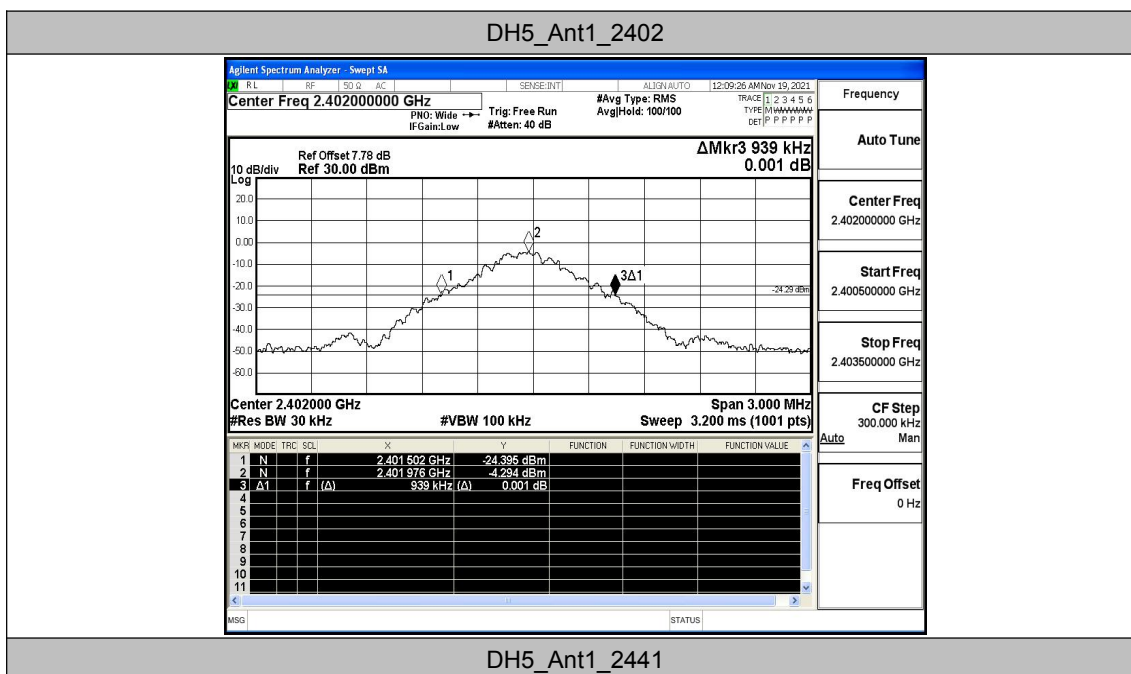


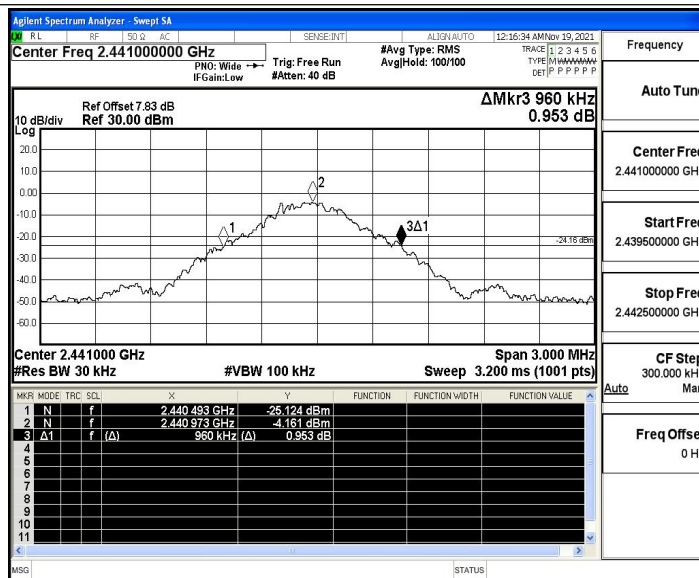
A.1 20dB Emission Bandwidth

Test Result

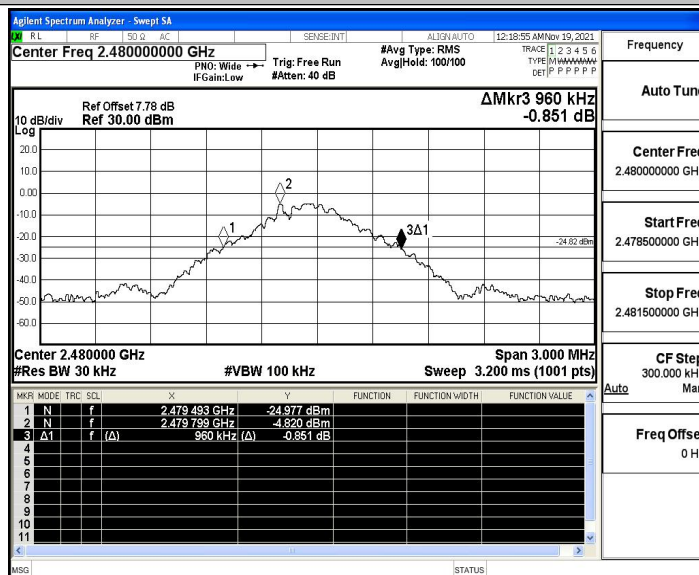
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.502	2402.441	---	PASS
		2441	0.960	2440.493	2441.453	---	PASS
		2480	0.960	2479.493	2480.453	---	PASS
2DH5	Ant1	2402	1.356	2401.286	2402.642	---	PASS
		2441	1.356	2440.289	2441.645	---	PASS
		2480	1.305	2479.307	2480.612	---	PASS

Test Graphs

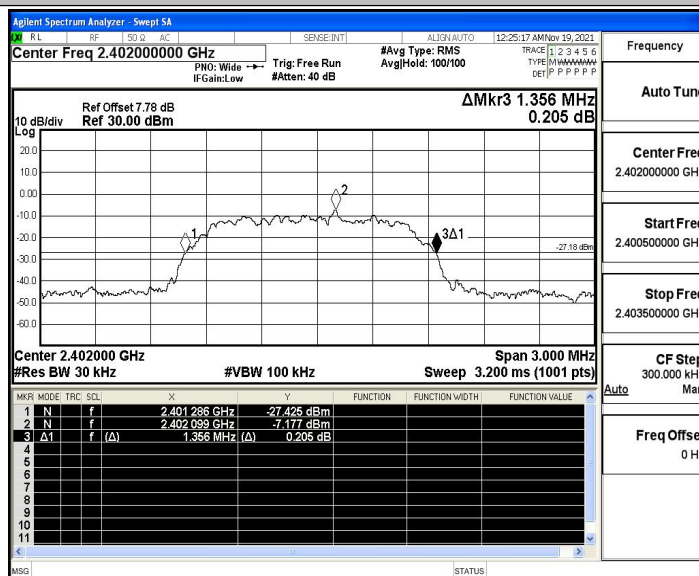




DH5_Ant1_2480

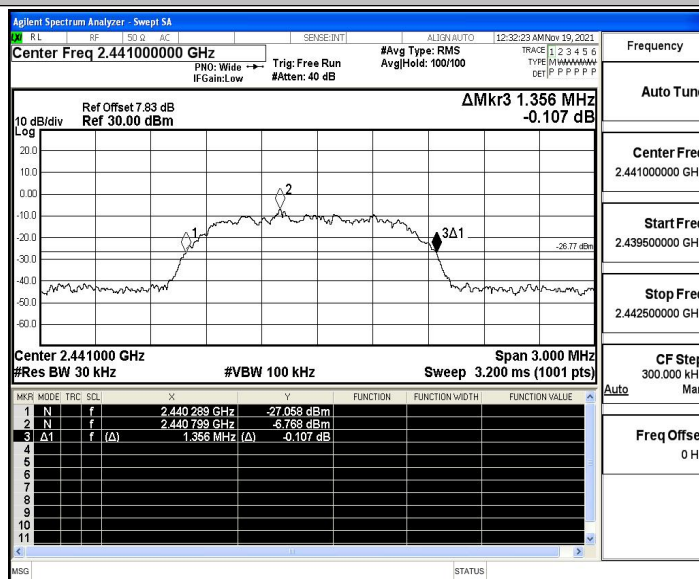


2DH5_Ant1_2402

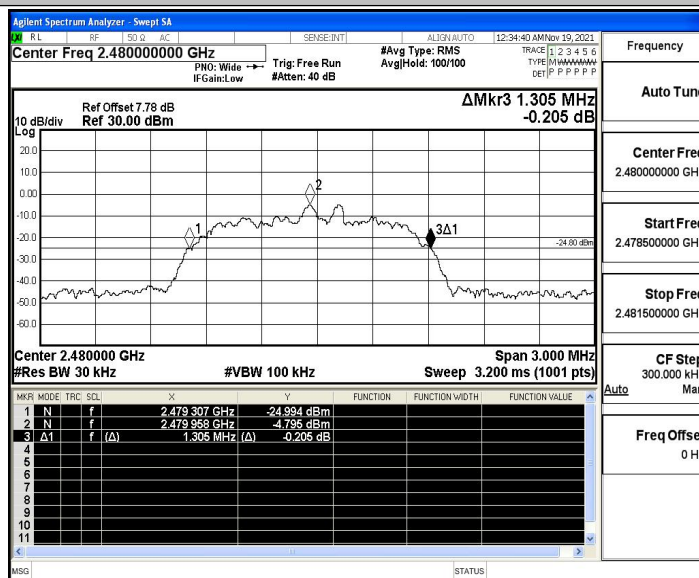




2DH5_Ant1_2441



2DH5_Ant1_2480





A.2 Maximum conducted output power

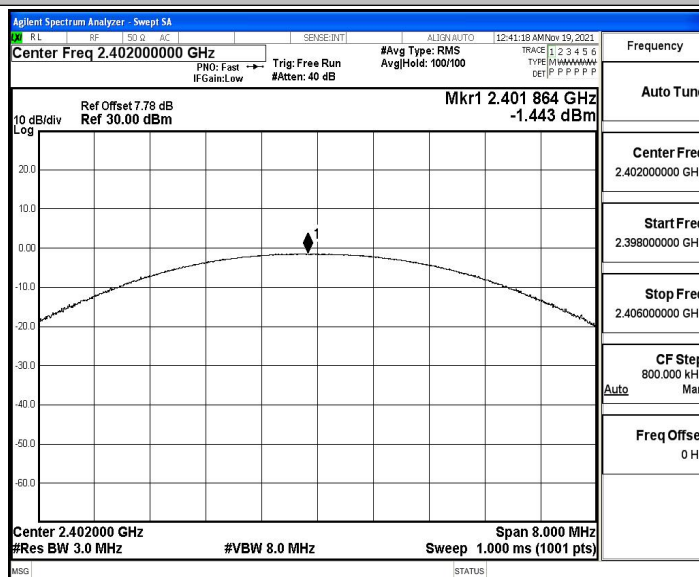
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.44	≤20.97	PASS
		2441	-1.22	≤20.97	PASS
		2480	-1.96	≤20.97	PASS
2DH5	Ant1	2402	-0.95	≤20.97	PASS
		2441	-0.87	≤20.97	PASS
		2480	-1.43	≤20.97	PASS

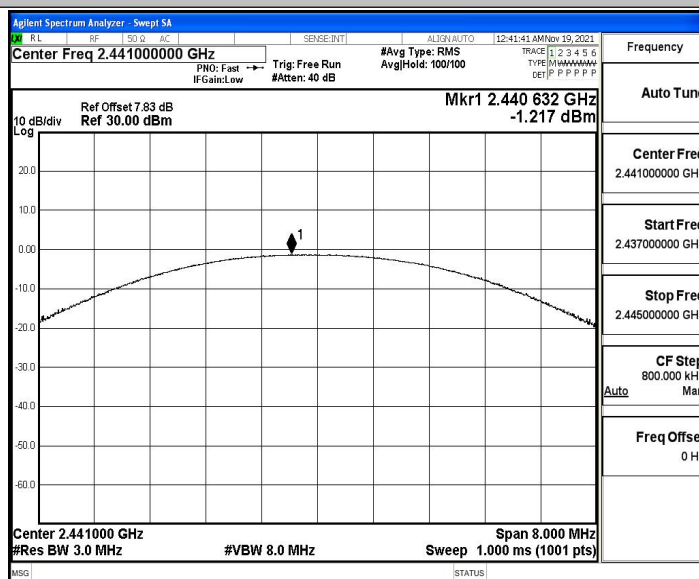


Test Graphs

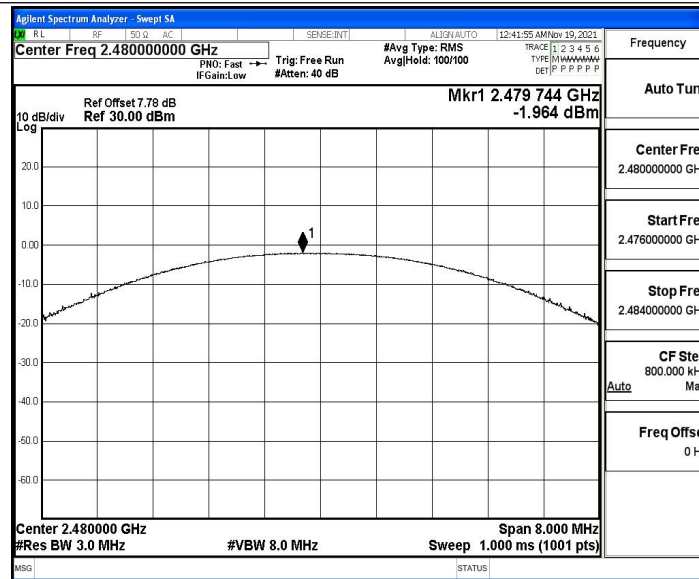
DH5_Ant1_2402



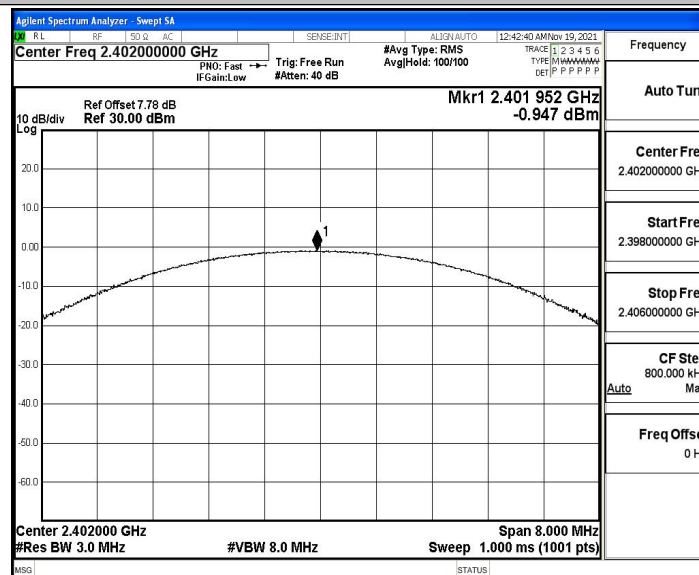
DH5_Ant1_2441



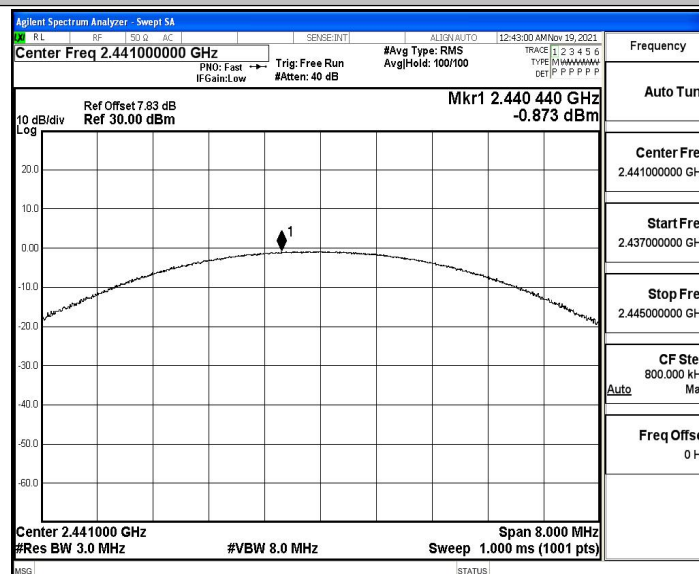
DH5_Ant1_2480



2DH5_Ant1_2402

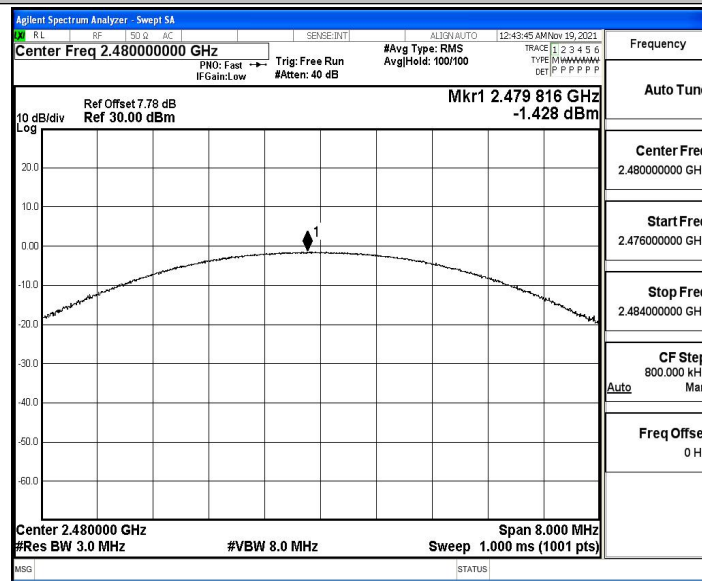


2DH5_Ant1_2441





2DH5_Ant1_2480



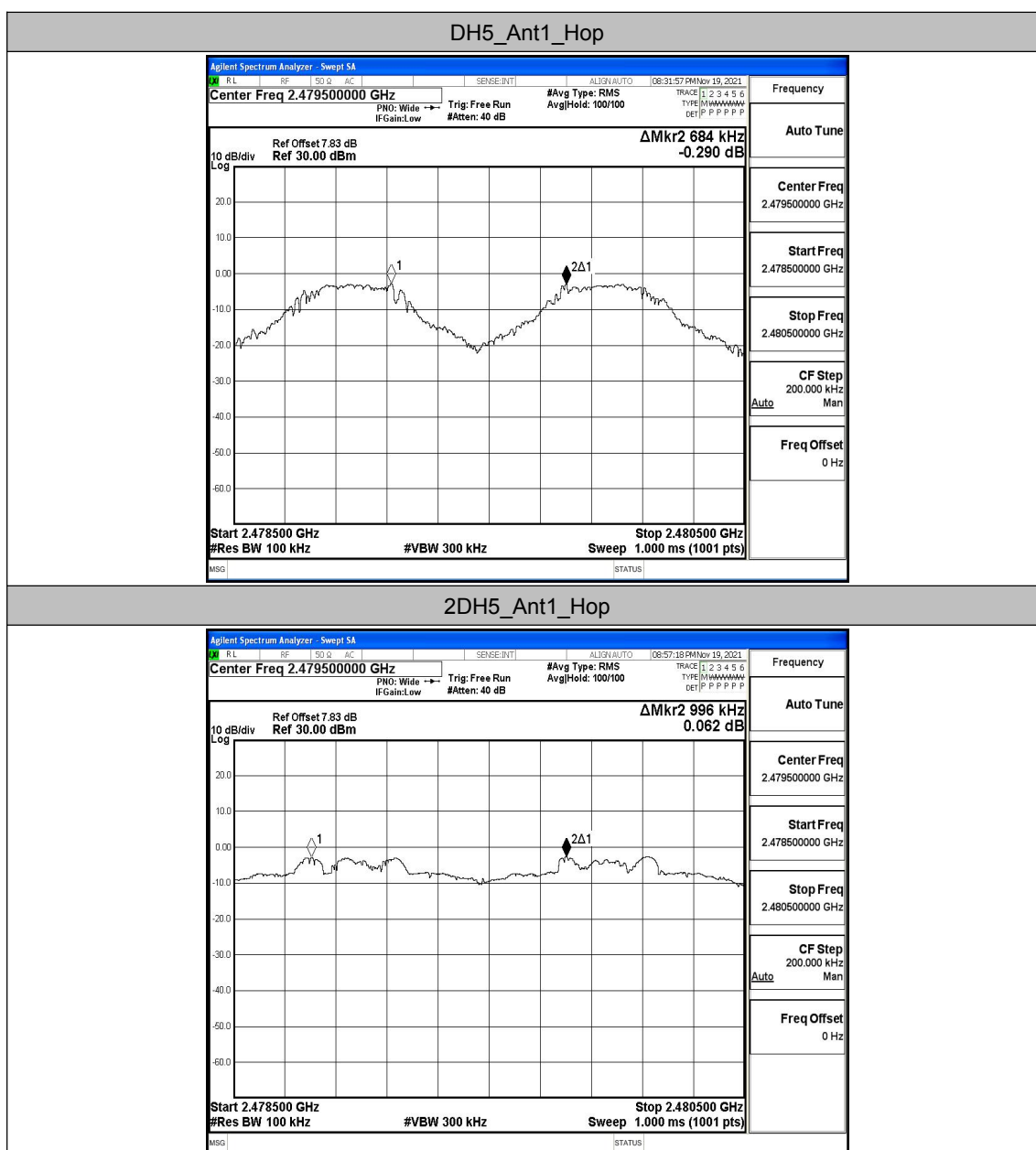


A.3 Carrier frequency separation

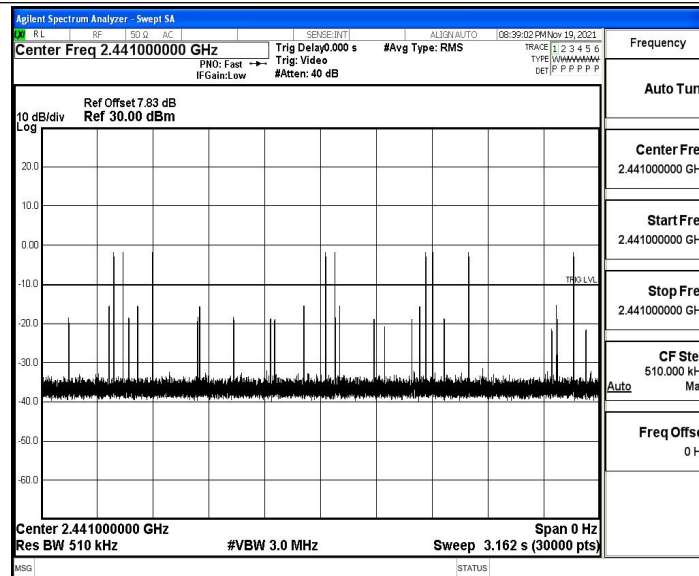
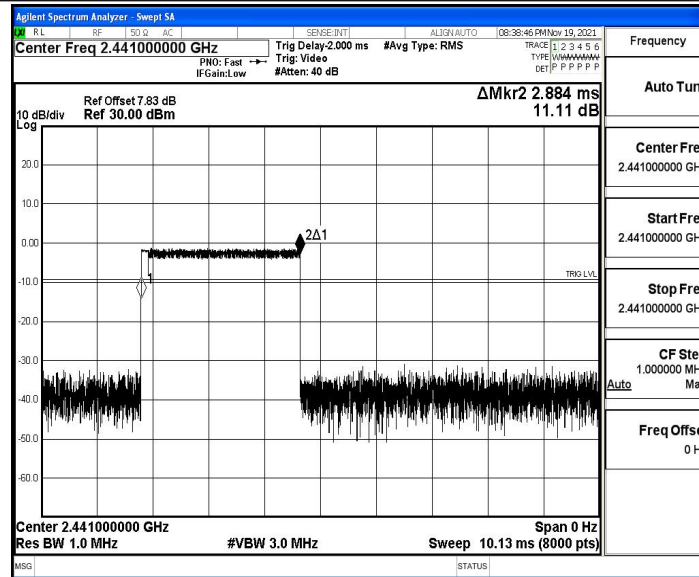
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥ 0.640	PASS
2DH5	Ant1	Hop	0.996	≥ 0.904	PASS

Test Graphs







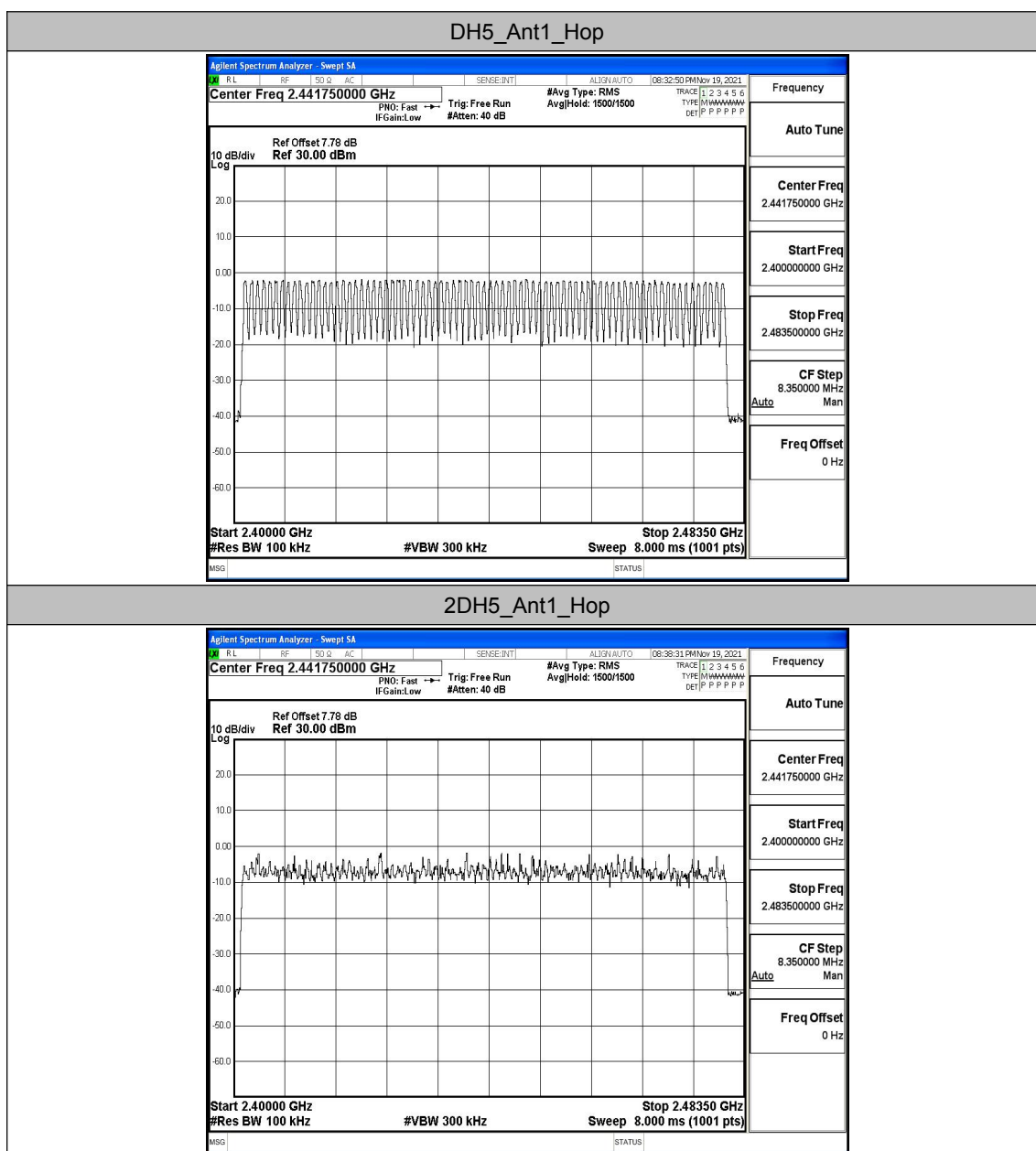


A.5 Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs





A.6 Band edge measurements

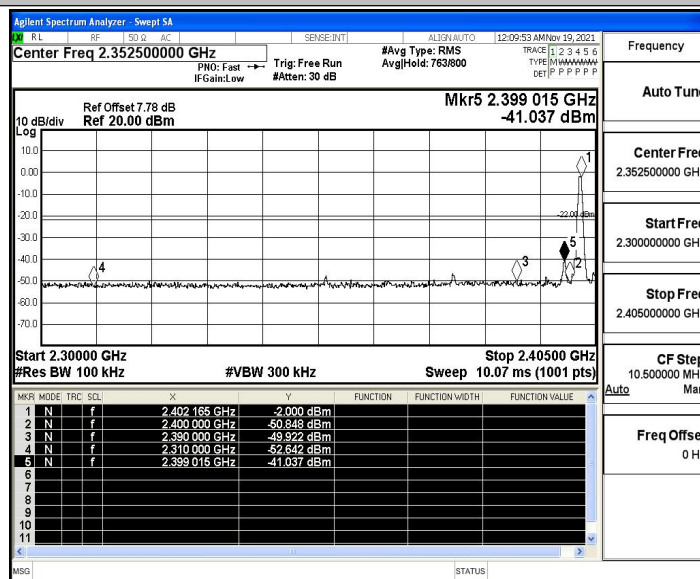
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.00	-41.04	≤ -22	PASS
		High	2480	-2.45	-44.59	≤ -22.45	PASS
		Low	Hop_2402	-2.27	-45.7	≤ -22.27	PASS
		High	Hop_2480	-2.52	-45.9	≤ -22.52	PASS
2DH5	Ant1	Low	2402	-1.92	-40.7	≤ -21.92	PASS
		High	2480	-2.58	-46.07	≤ -22.58	PASS
		Low	Hop_2402	-4.99	-48.5	≤ -24.99	PASS
		High	Hop_2480	-2.59	-46.81	≤ -22.59	PASS

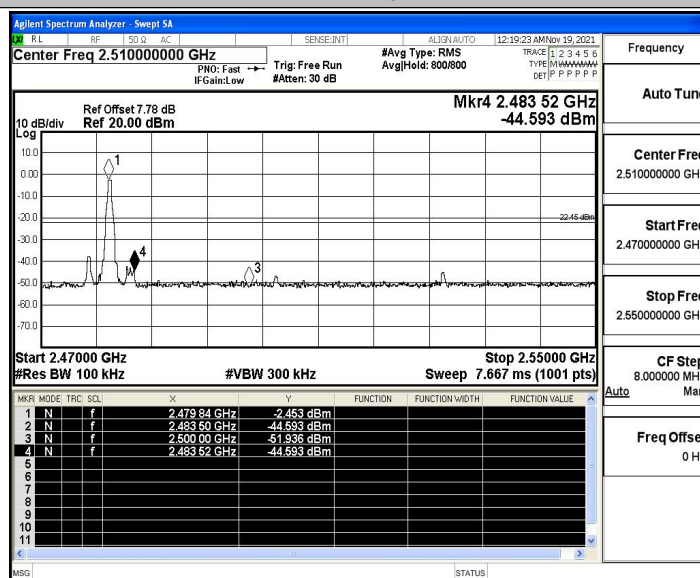


Test Graphs

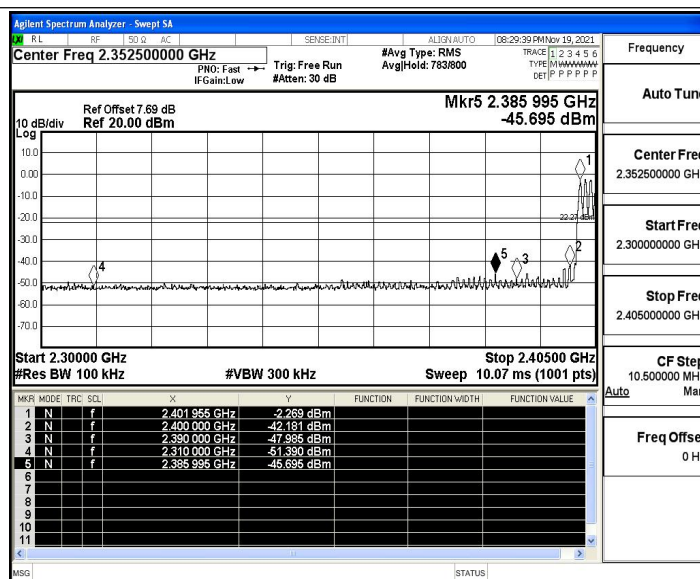
DH5_Ant1_Low_2402



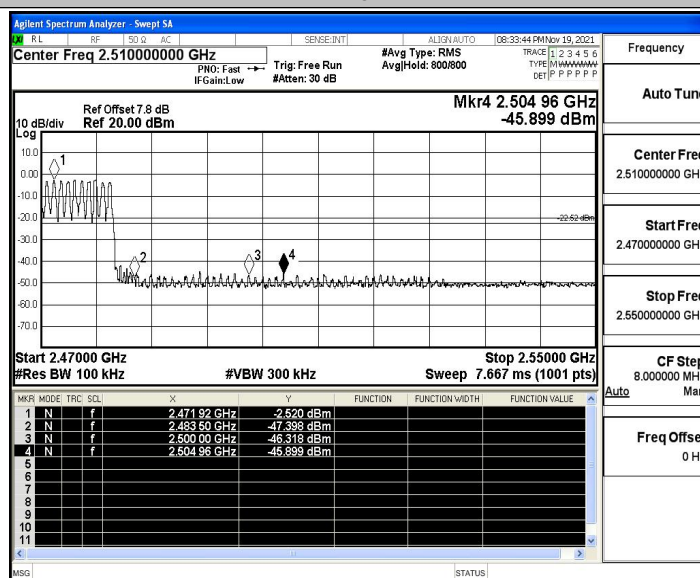
DH5_Ant1_High_2480



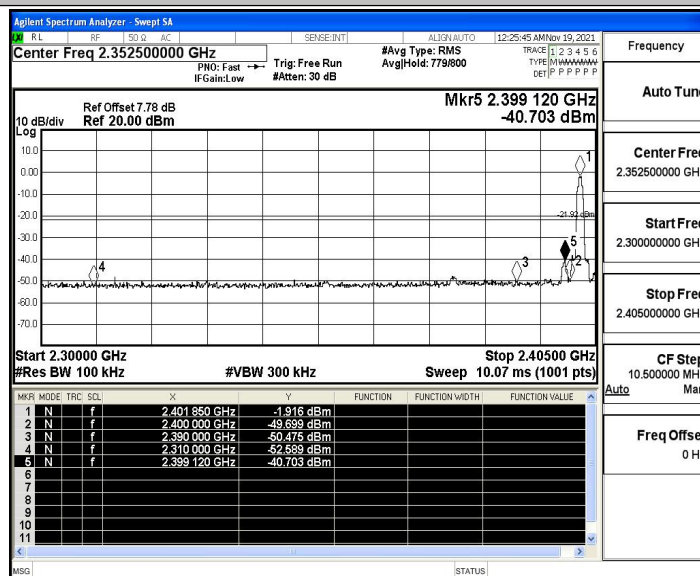
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

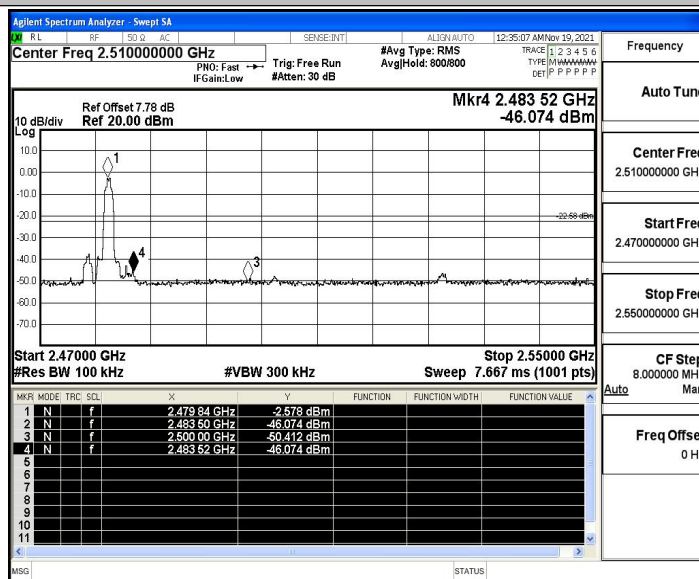


2DH5_Ant1_Low_2402

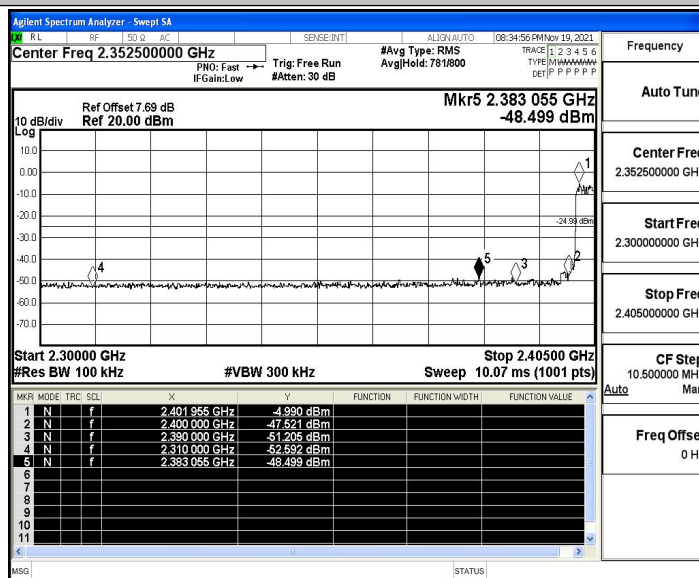




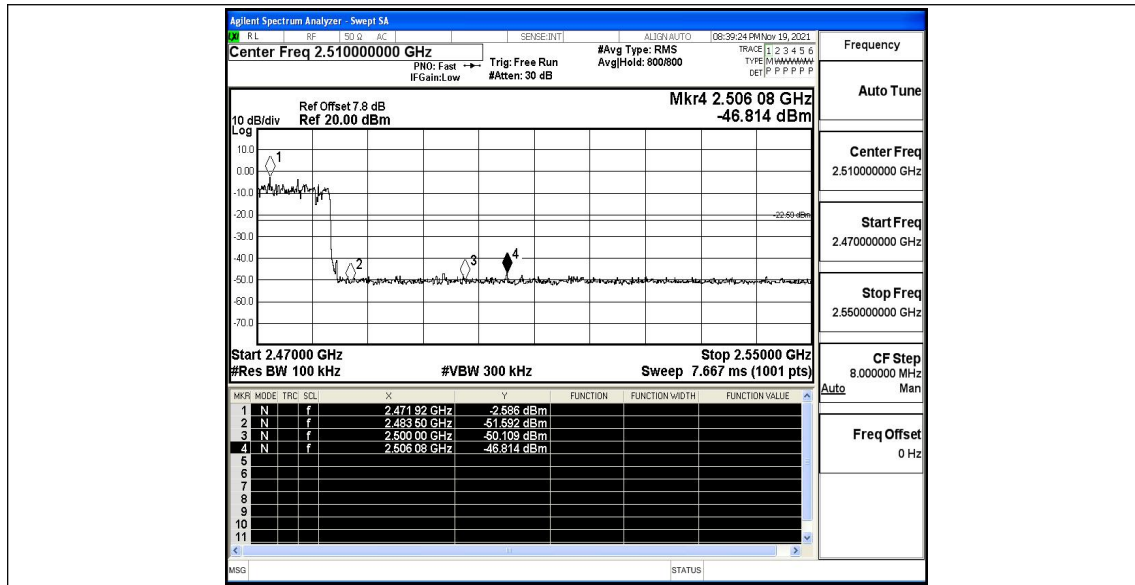
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

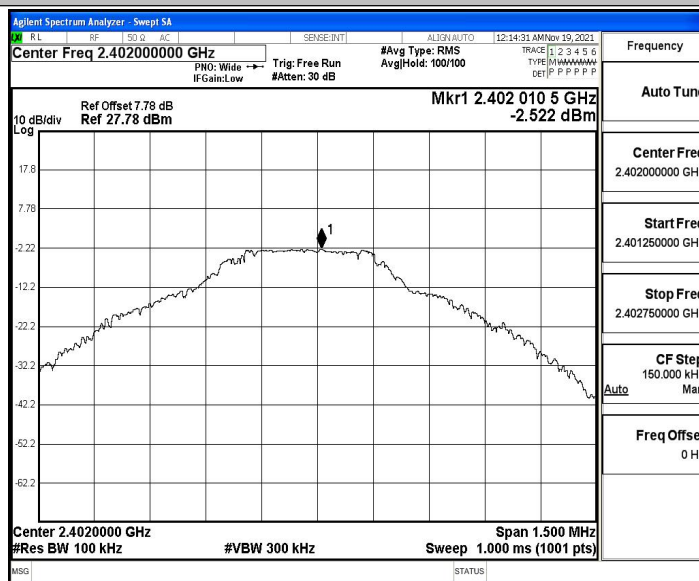
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-53.4	≤ -22.52	PASS
			1000~26500	-2.52	-47.09	≤ -22.52	PASS
		2441	Reference	-2.38	-2.38	---	PASS
			30~1000	-2.38	-54.77	≤ -22.38	PASS
			1000~26500	-2.38	-45.94	≤ -22.38	PASS
		2480	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-54.31	≤ -22.68	PASS
			1000~26500	-2.68	-46	≤ -22.68	PASS
2DH5	Ant1	2402	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-53.83	≤ -25.01	PASS
			1000~26500	-5.01	-46.3	≤ -25.01	PASS
		2441	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-54.12	≤ -21.93	PASS
			1000~26500	-1.93	-41.52	≤ -21.93	PASS
		2480	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-54.63	≤ -22.84	PASS
			1000~26500	-2.84	-45.8	≤ -22.84	PASS

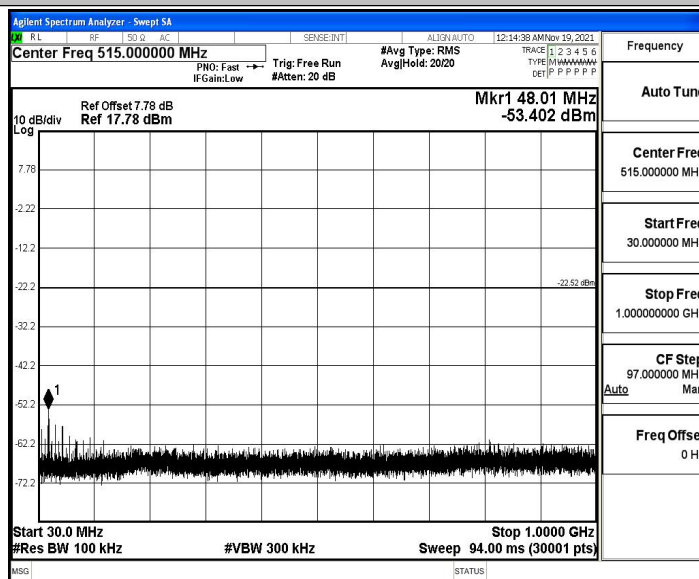


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500