



Appendix A

RF Test Data for BT V5.0(DSS) (Conducted Measurement)

Product Name: Alarm clock light

Trade Mark: N/A

Test Model: D3000

Environmental Conditions

Temperature:	21.1℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

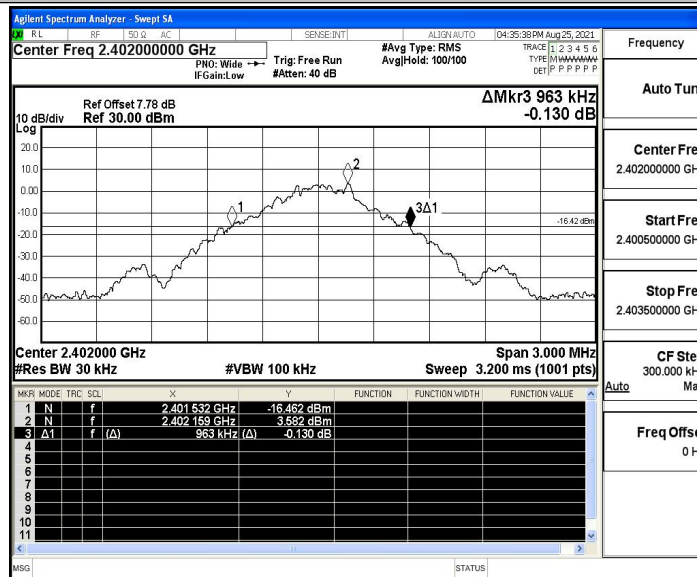
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.532	2402.495	---	PASS
		2441	0.966	2440.532	2441.498	---	PASS
		2480	1.044	2479.460	2480.504	---	PASS
2DH5	Ant1	2402	1.341	2401.331	2402.672	---	PASS
		2441	1.323	2440.340	2441.663	---	PASS
		2480	1.320	2479.337	2480.657	---	PASS

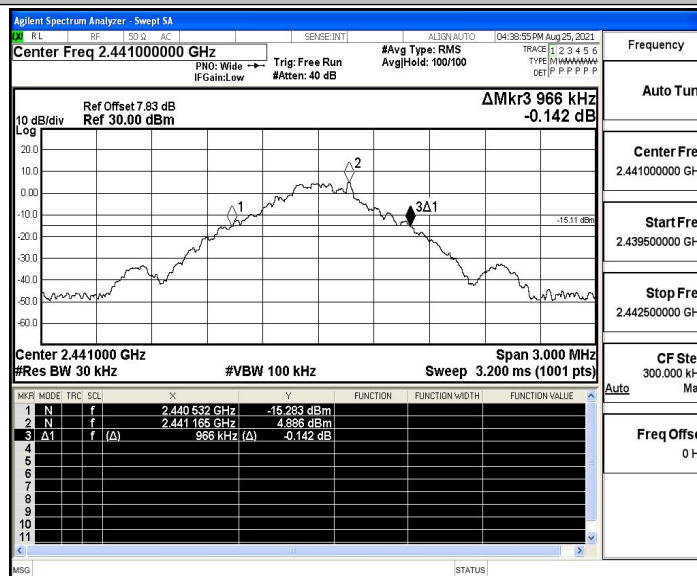


Test Graphs

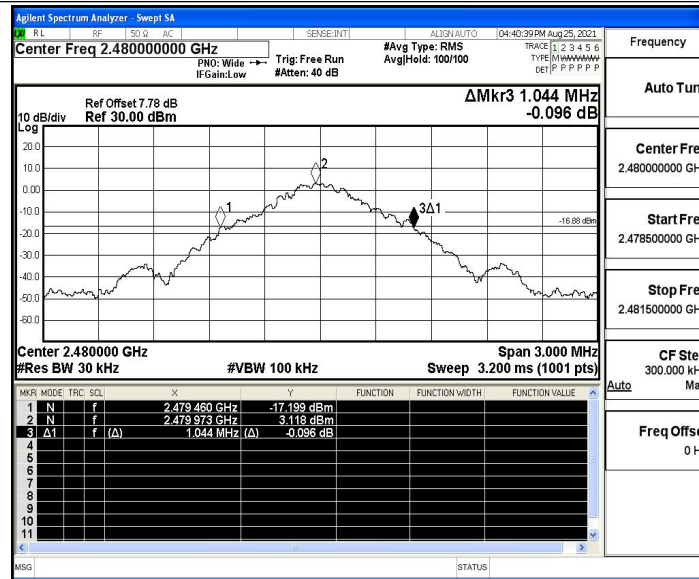
DH5_Ant1_2402



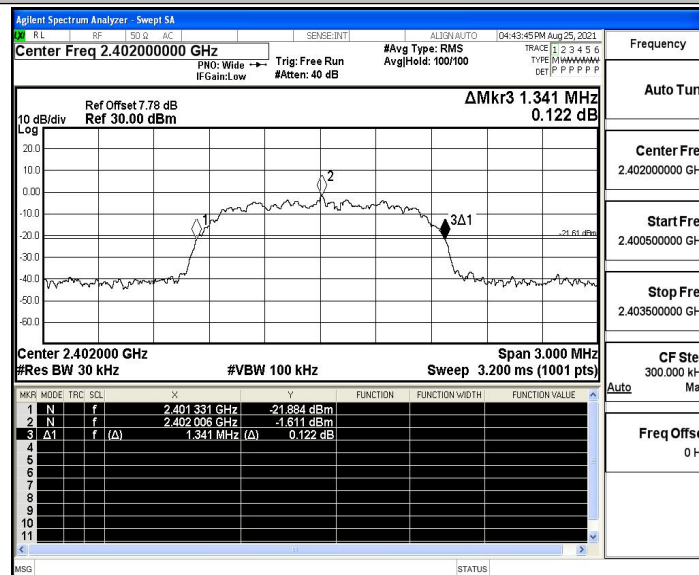
DH5_Ant1_2441



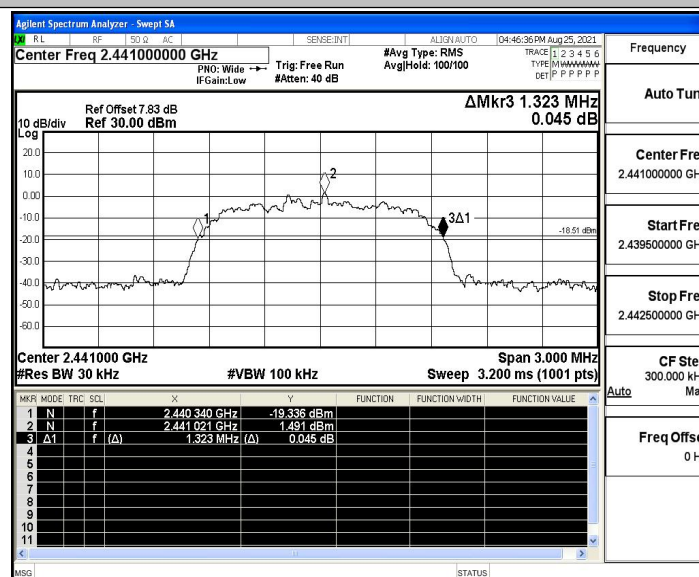
DH5_Ant1_2480



2DH5_Ant1_2402

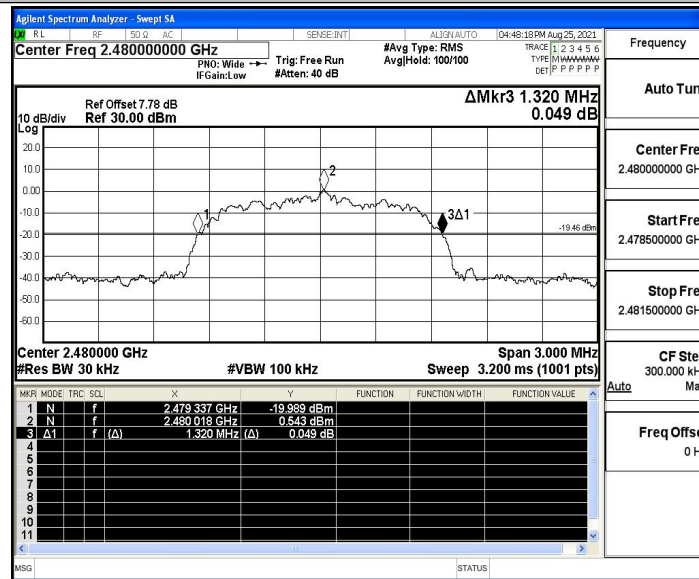


2DH5_Ant1_2441





2DH5_Ant1_2480





A.2 Maximum peak conducted output power

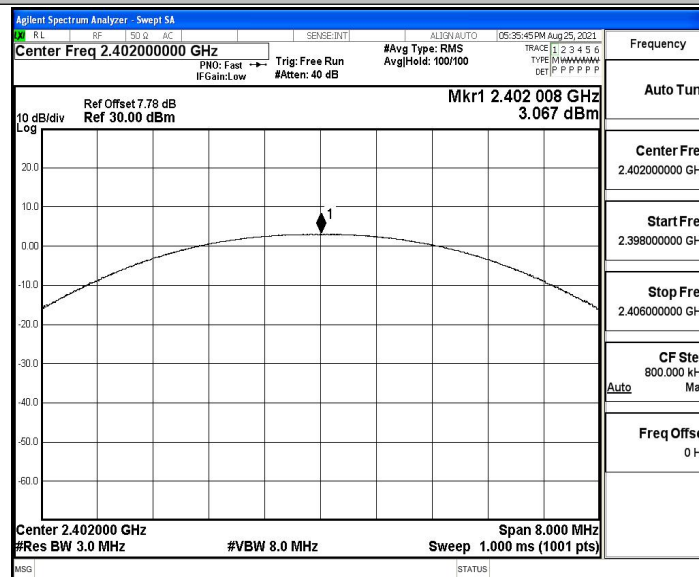
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.07	≤ 20.97	PASS
		2441	4.32	≤ 20.97	PASS
		2480	2.93	≤ 20.97	PASS
2DH5	Ant1	2402	2.22	≤ 20.97	PASS
		2441	3.48	≤ 20.97	PASS
		2480	2.09	≤ 20.97	PASS

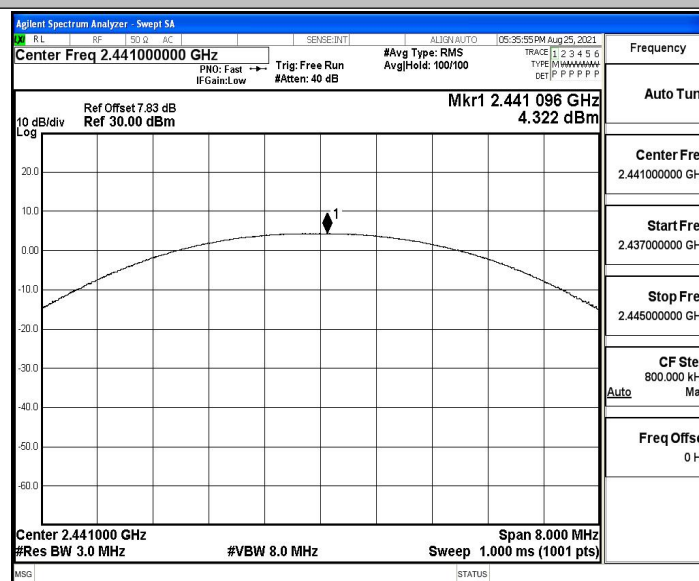


Test Graphs

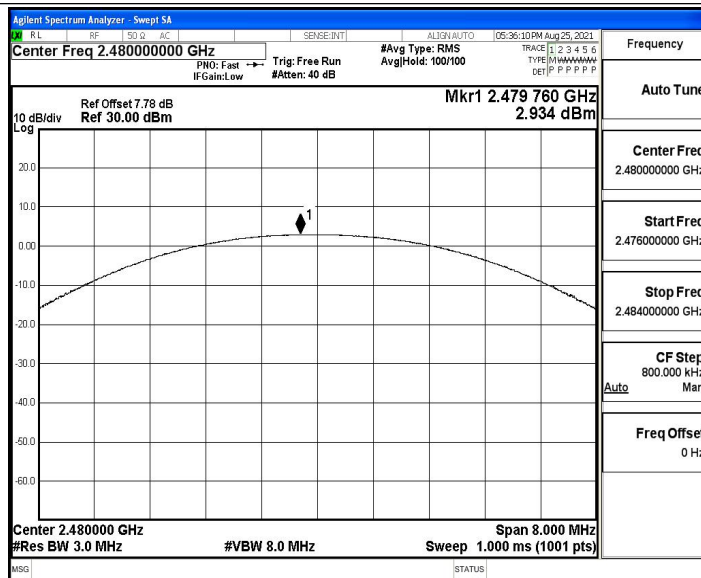
DH5_Ant1_2402



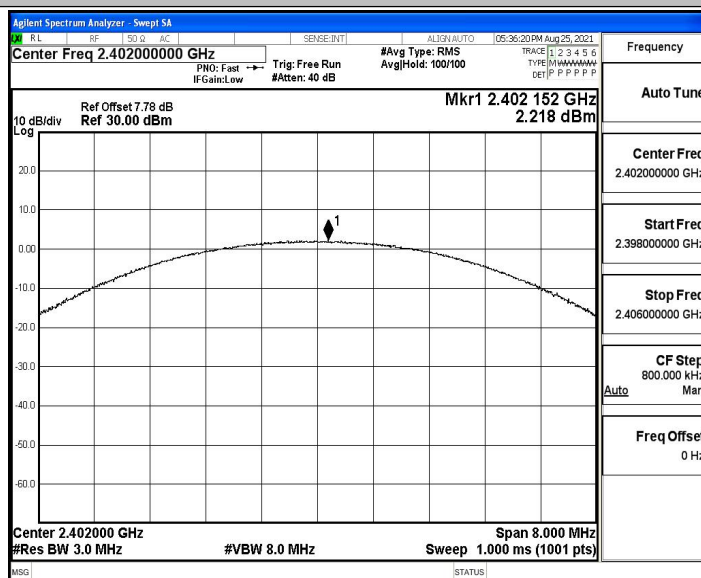
DH5_Ant1_2441



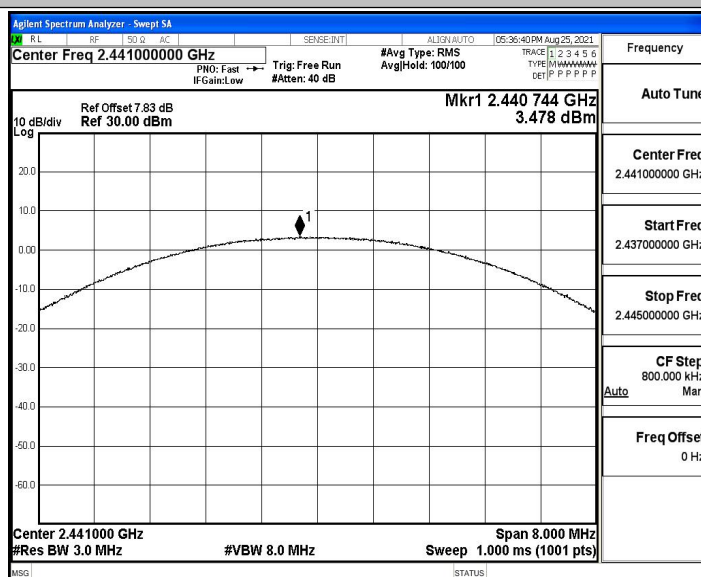
DH5_Ant1_2480



2DH5_Ant1_2402

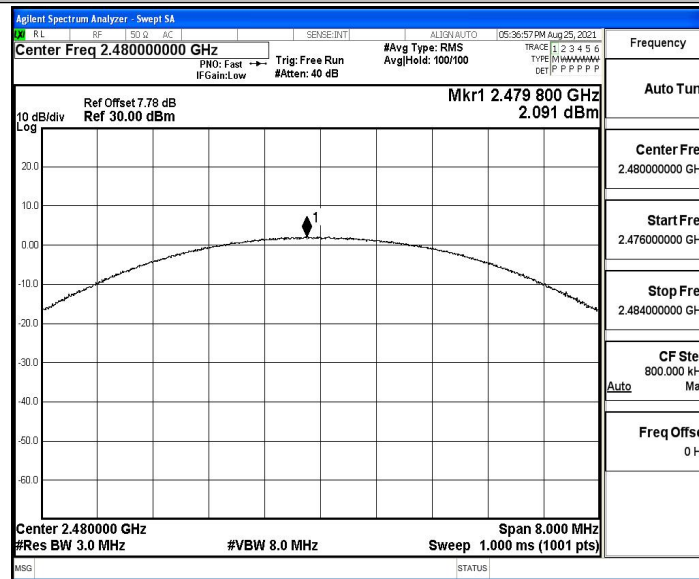


2DH5_Ant1_2441





2DH5_Ant1_2480





A.3 Carrier frequency separation

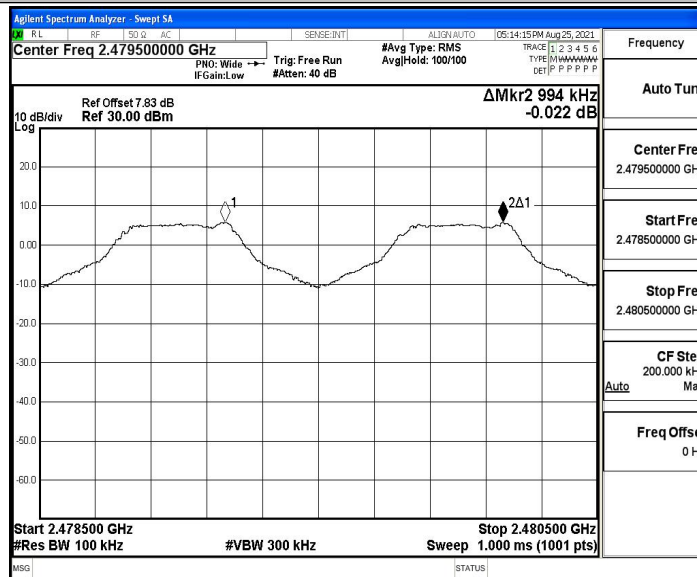
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.696	PASS
2DH5	Ant1	Hop	1.276	≥ 0.894	PASS

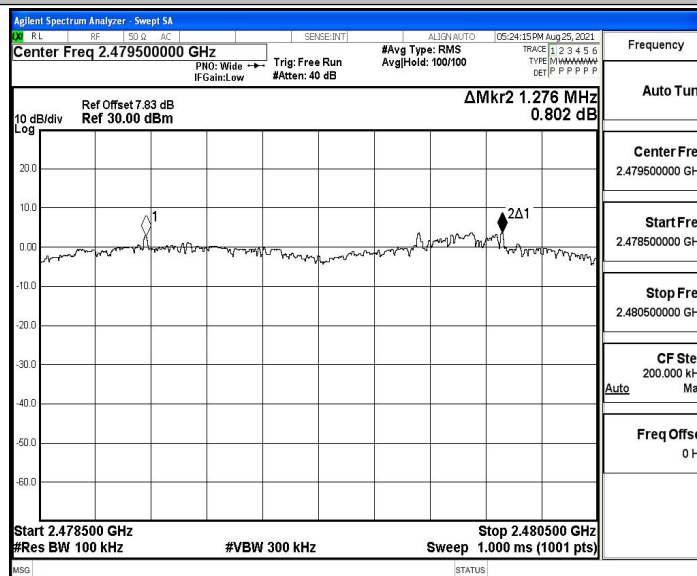


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.4 Time of occupancy

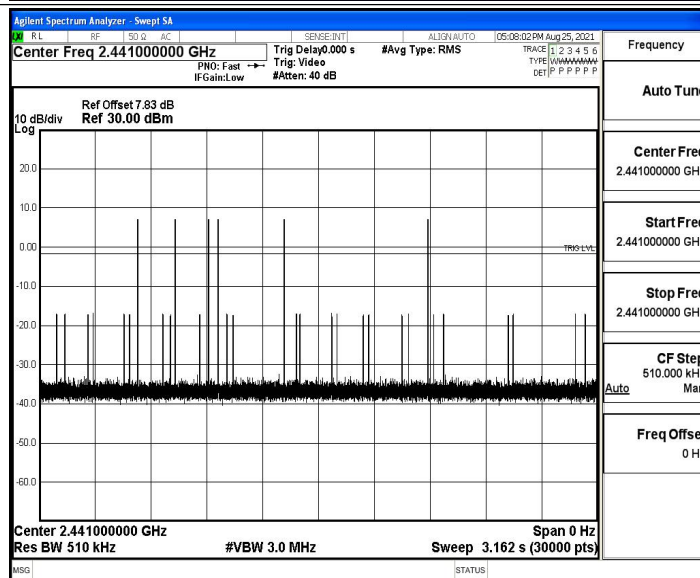
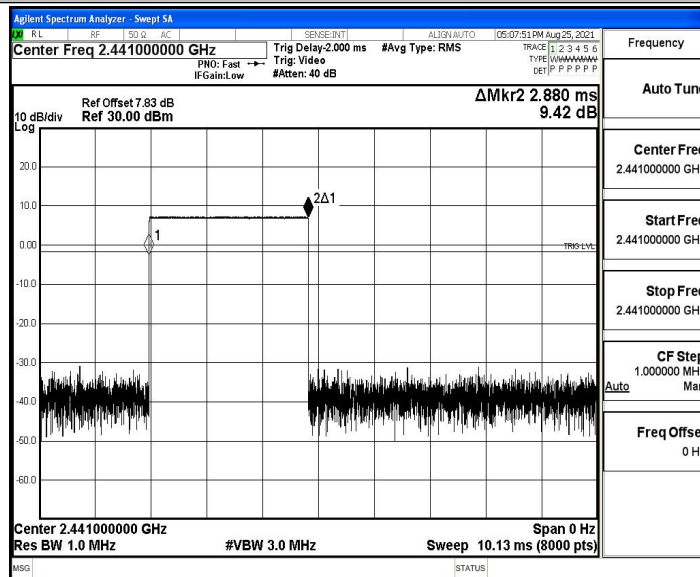
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	70	0.202	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS

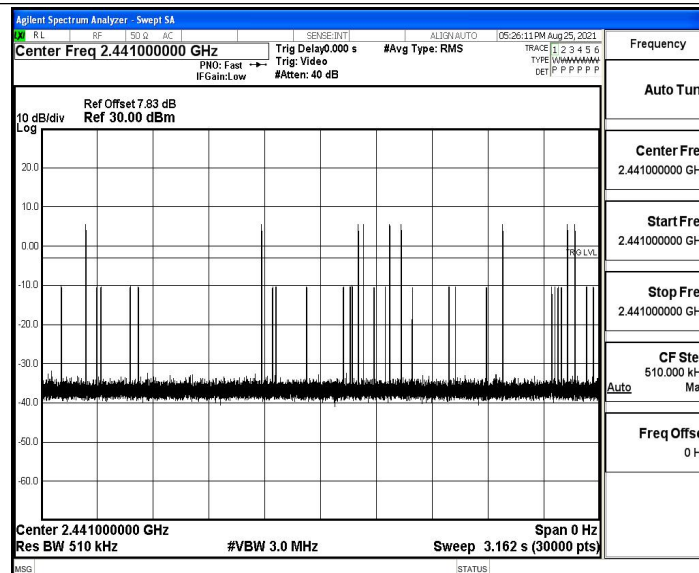
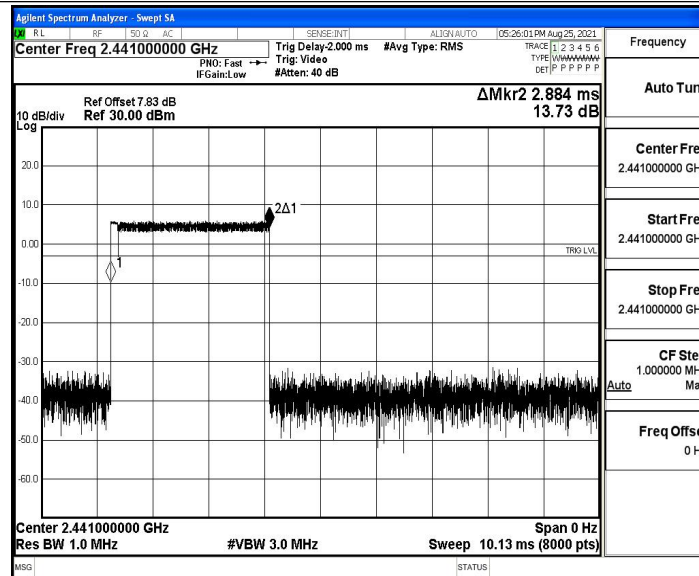


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.5 Number of hopping channels

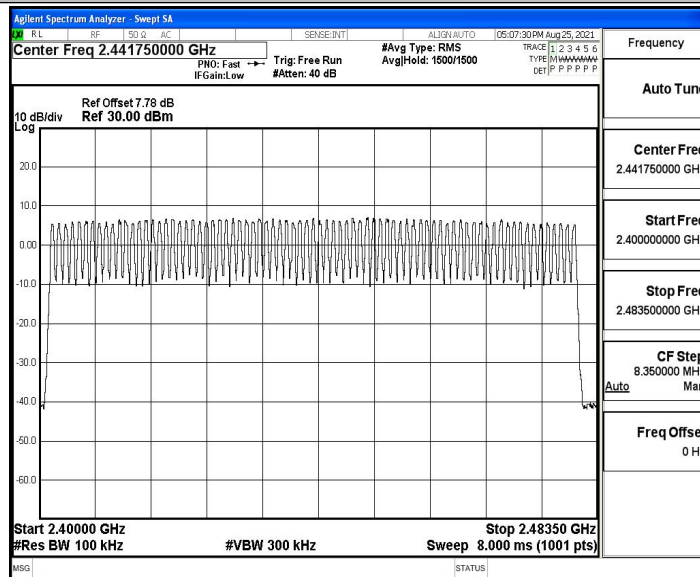
Test Result

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

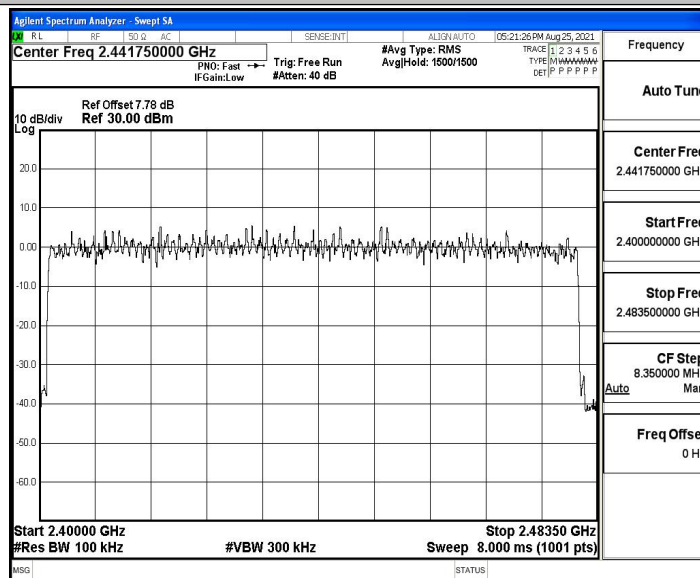


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.6 Band edge measurements

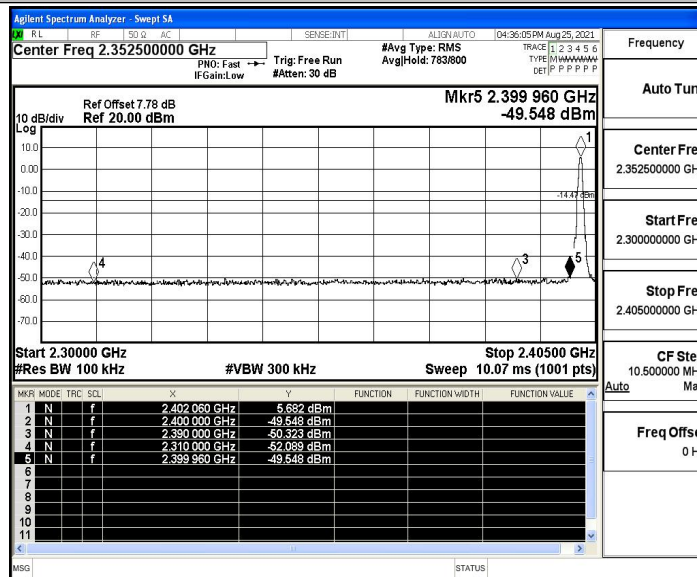
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.53	-49.55	≤ -14.47	PASS
		High	2480	5.56	-48.7	≤ -14.44	PASS
		Low	Hop_2402	5.58	-50.05	≤ -14.42	PASS
		High	Hop_2480	2.22	-48.67	≤ -17.78	PASS
2DH5	Ant1	Low	2402	4.28	-48.52	≤ -15.72	PASS
		High	2480	4.44	-48.86	≤ -15.56	PASS
		Low	Hop_2402	1.58	-49.89	≤ -18.42	PASS
		High	Hop_2480	4.31	-48.67	≤ -15.69	PASS

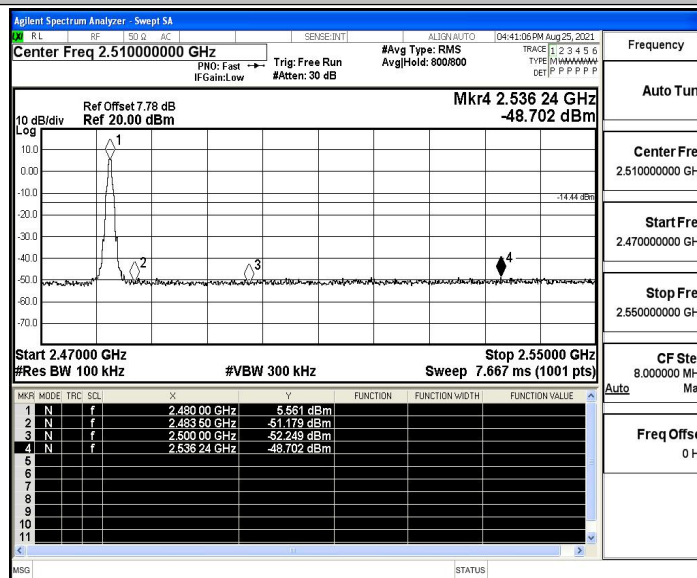


Test Graphs

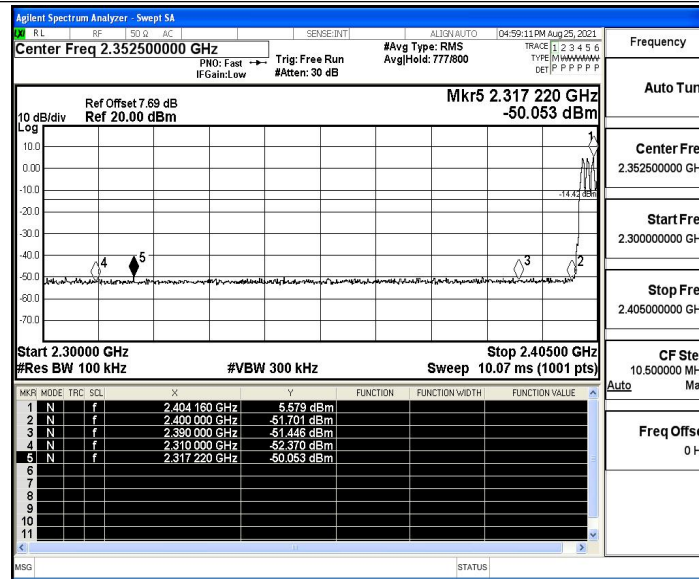
DH5_Ant1_Low_2402



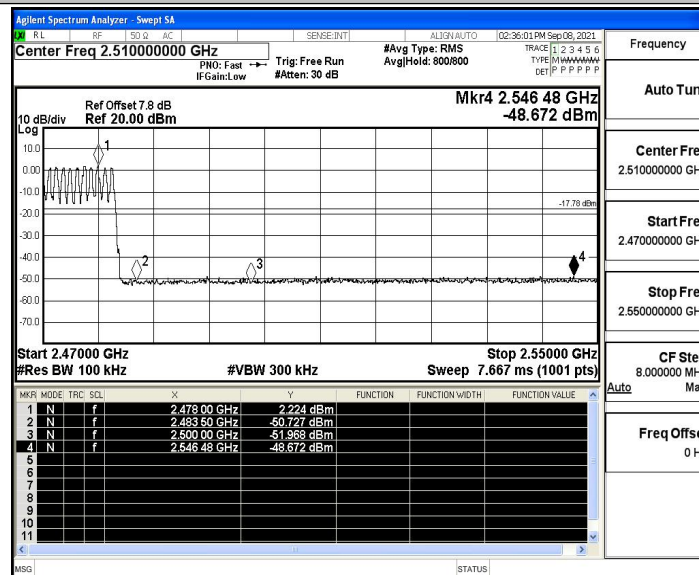
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

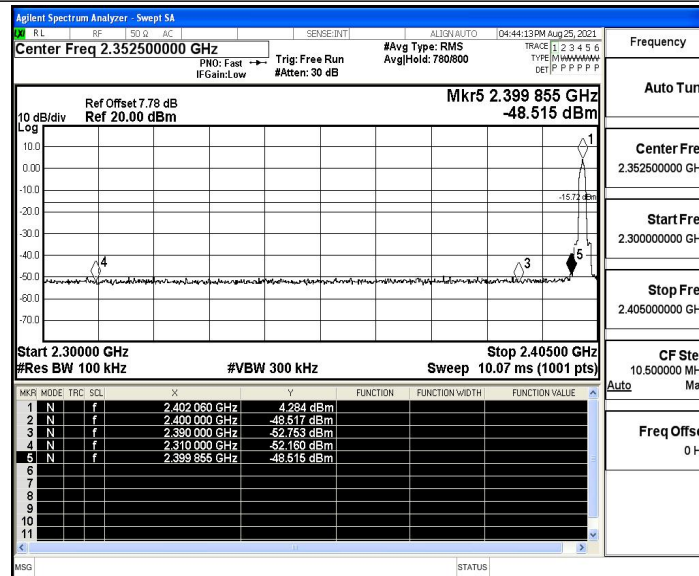


DH5_Ant1_Low_Hop_2480

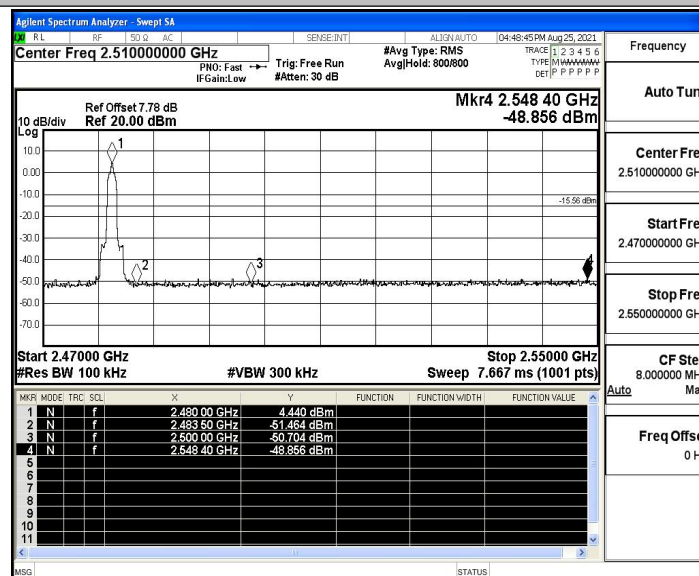




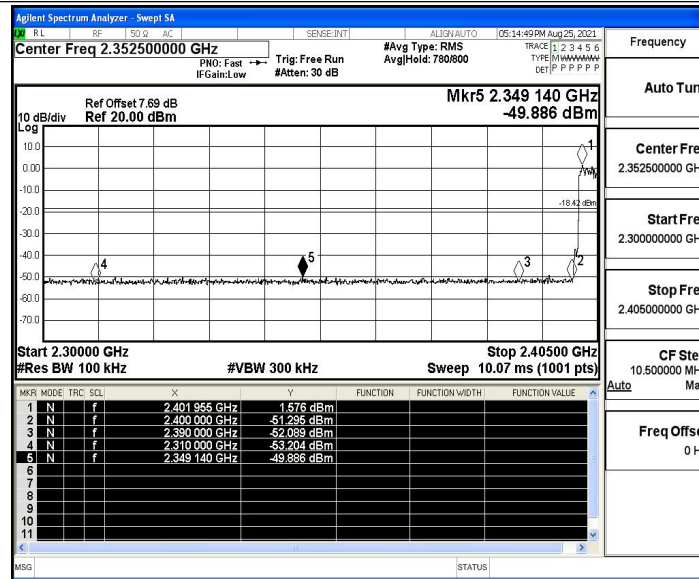
2DH5_Ant1_Low_2402



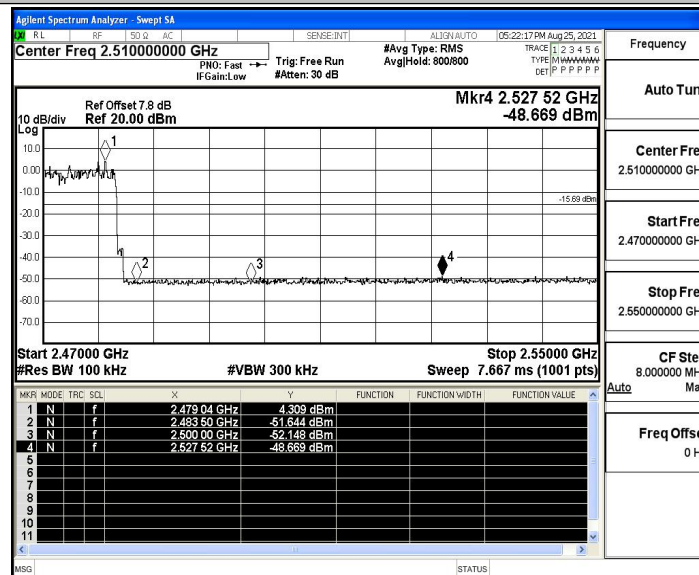
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

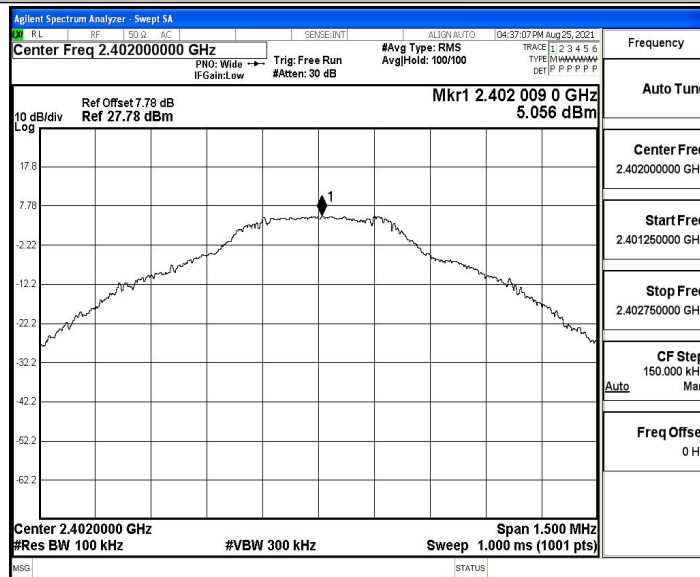
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.06	5.06	---	PASS
			30~1000	5.06	-59.33	≤ -14.94	PASS
			1000~26500	5.06	-47.24	≤ -14.94	PASS
		2441	Reference	6.64	6.64	---	PASS
			30~1000	6.64	-59.44	≤ -13.36	PASS
			1000~26500	6.64	-47.28	≤ -13.36	PASS
		2480	Reference	5.32	5.32	---	PASS
			30~1000	5.32	-59.62	≤ -14.68	PASS
			1000~26500	5.32	-47.51	≤ -14.68	PASS
2DH5	Ant1	2402	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-59.34	≤ -16.01	PASS
			1000~26500	3.99	-47.52	≤ -16.01	PASS
		2441	Reference	4.36	4.36	---	PASS
			30~1000	4.36	-59.69	≤ -15.64	PASS
			1000~26500	4.36	-47.96	≤ -15.64	PASS
		2480	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-59.8	≤ -15.96	PASS
			1000~26500	4.04	-47.83	≤ -15.96	PASS

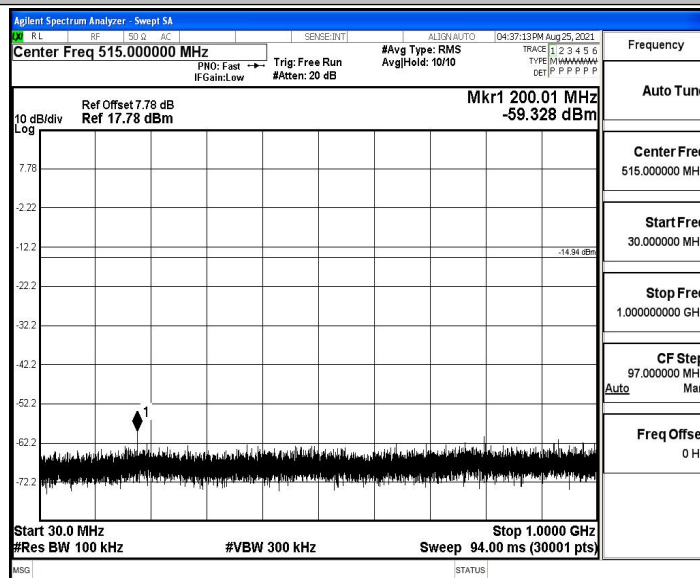


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500