



Appendix A

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: Digital Music Player

Test Model: 21477488

Environmental Conditions

Temperature:	22.1° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

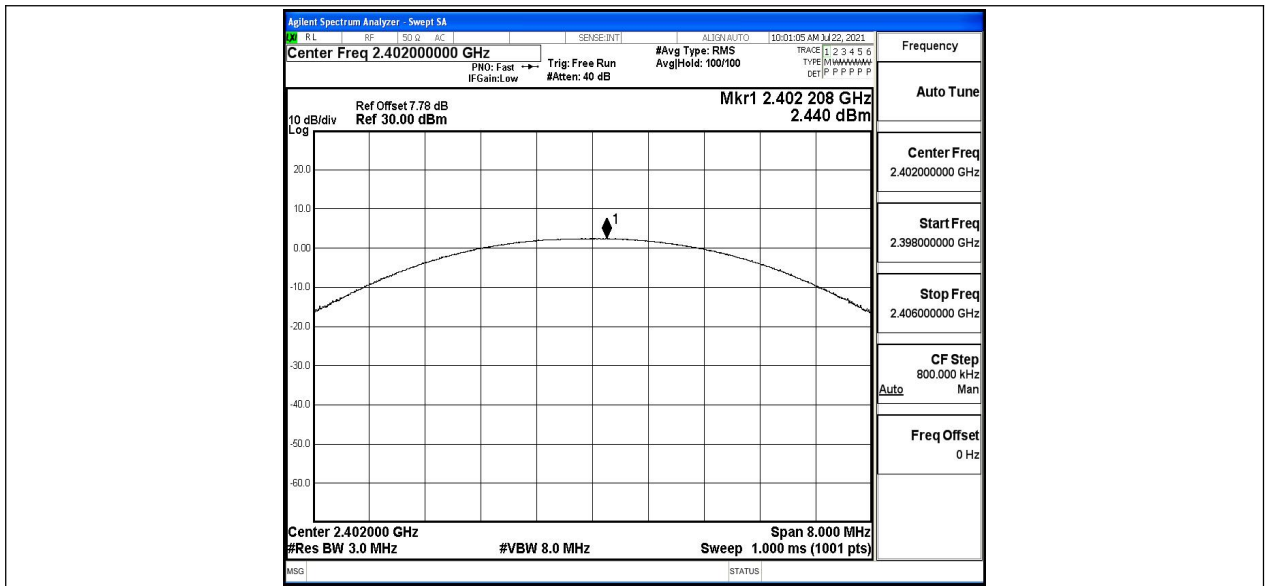
A.1 Maximum conducted output power

Test Result

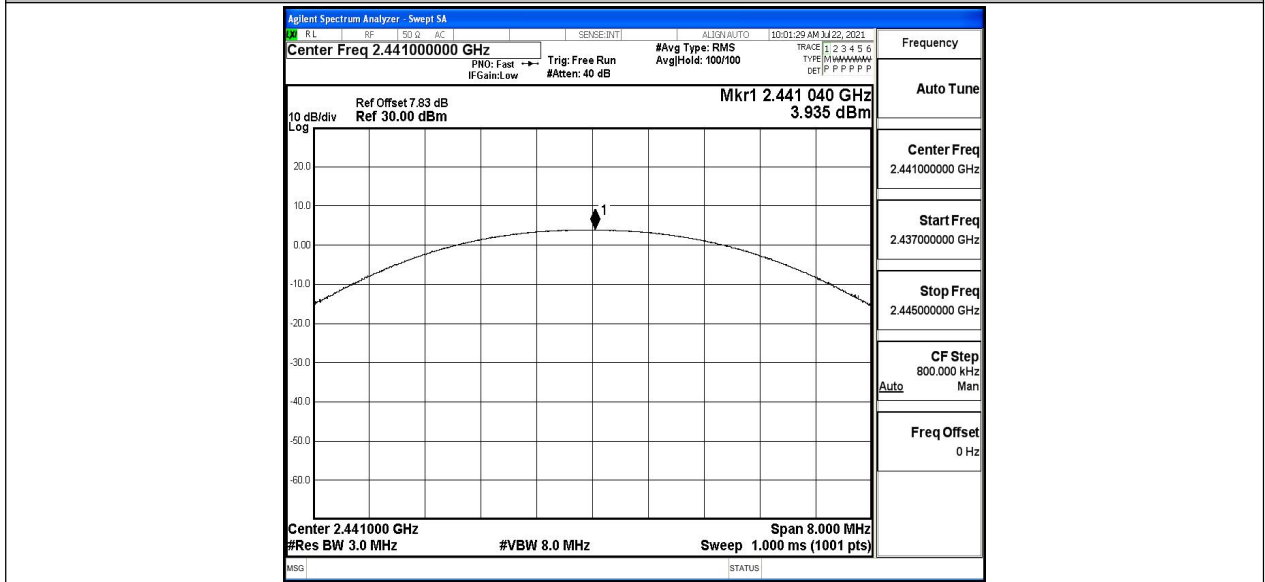
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.44	≤20.97	PASS
		2441	3.94	≤20.97	PASS
		2480	0.25	≤20.97	PASS
2DH5	Ant1	2402	1.66	≤20.97	PASS
		2441	2.78	≤20.97	PASS
		2480	-1.25	≤20.97	PASS



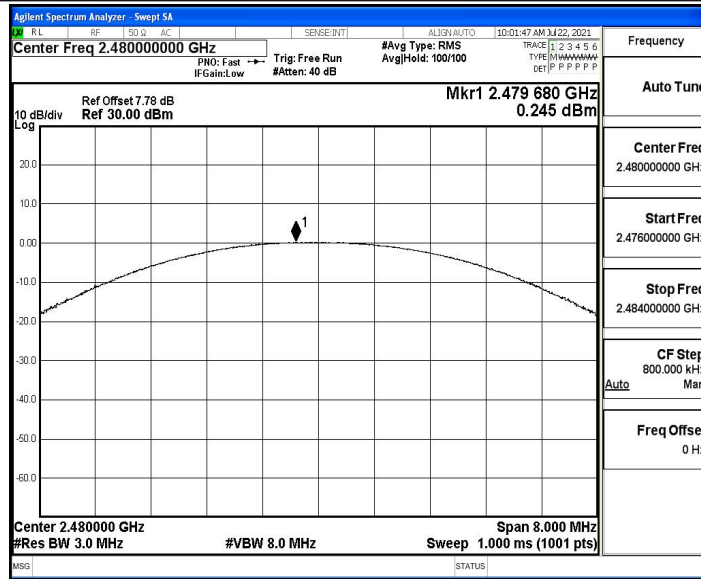
Test Graphs



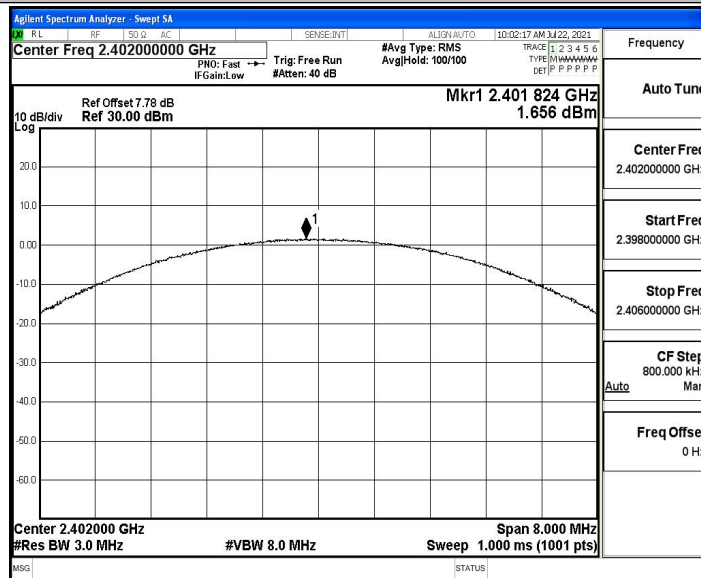
DH5_Ant1_2402



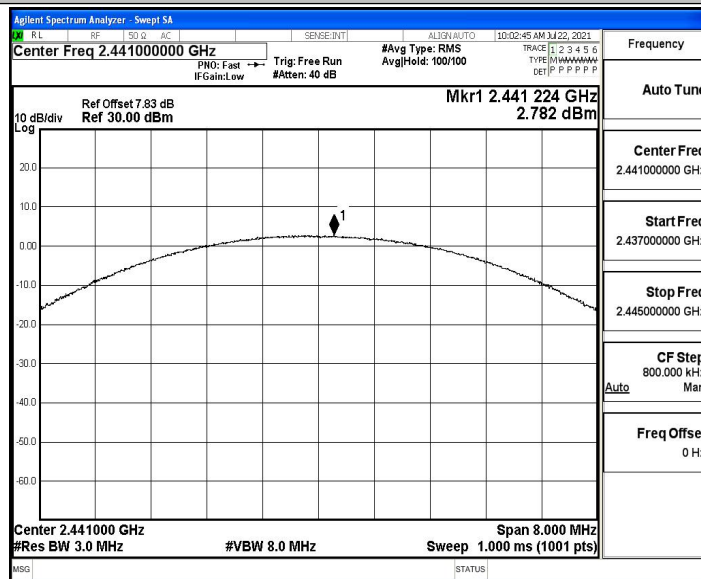
DH5_Ant1_2441



DH5_Ant1_2480

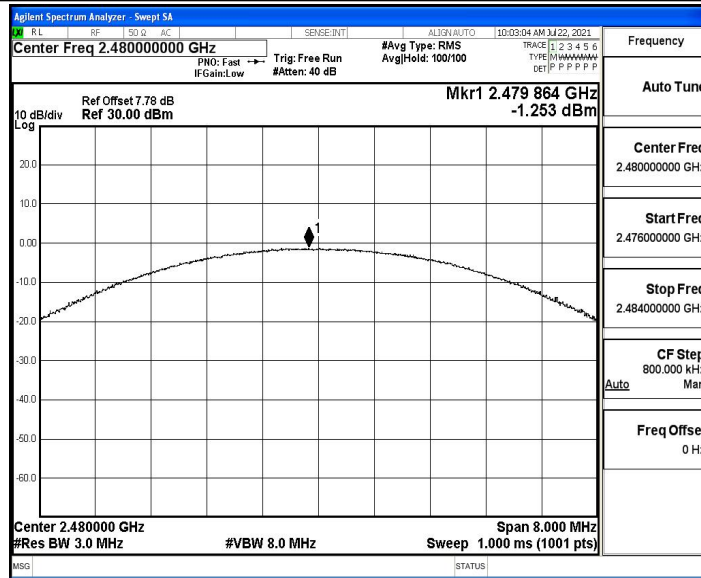


2DH5_Ant1_2402





2DH5_Ant1_2441



2DH5_Ant1_2480

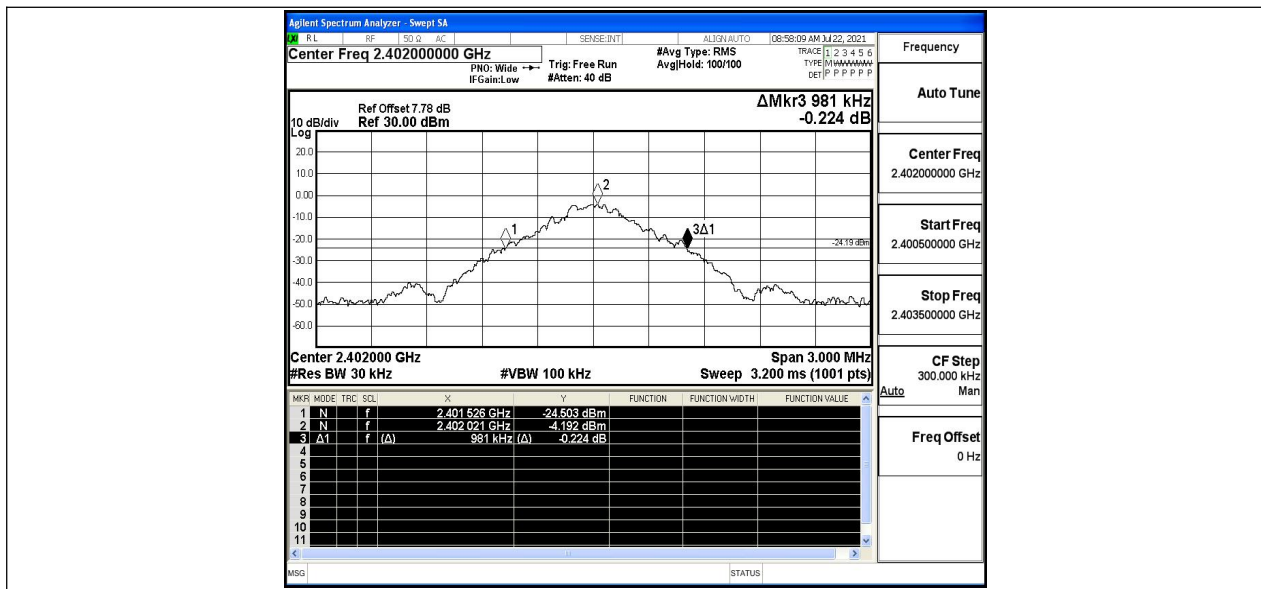


A.2 20dB Emission Bandwidth

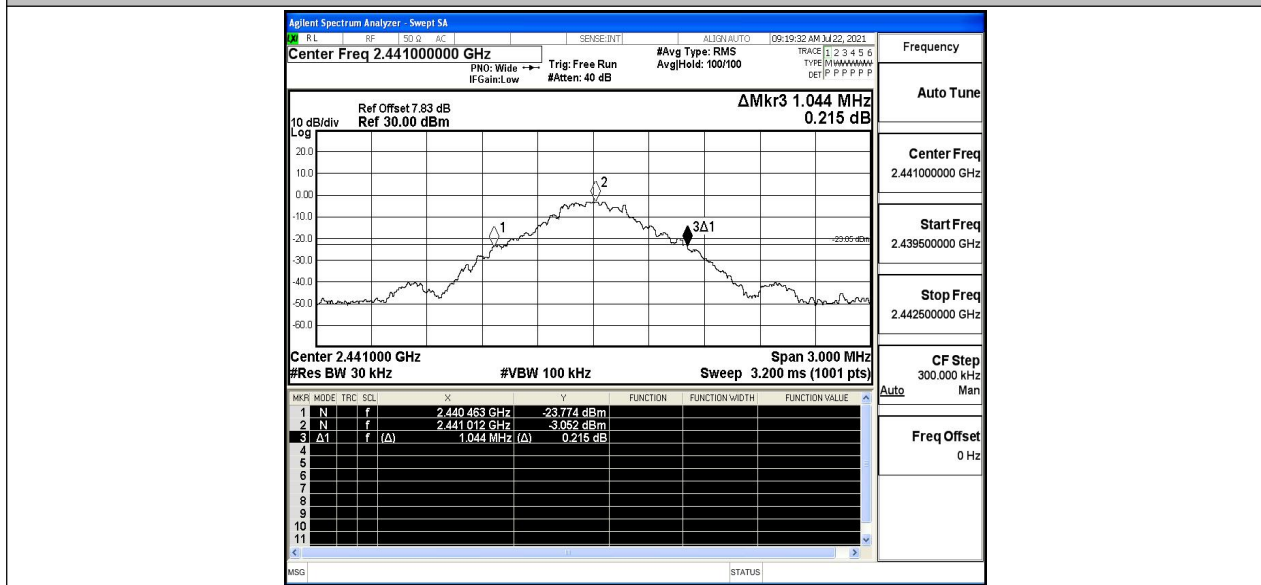
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.981	2401.526	2402.507	---	PASS
		2441	1.044	2440.463	2441.507	---	PASS
		2480	1.032	2479.466	2480.498	---	PASS
2DH5	Ant1	2402	1.293	2401.364	2402.657	---	PASS
		2441	1.317	2440.340	2441.657	---	PASS
		2480	1.287	2479.364	2480.651	---	PASS

Test Graphs



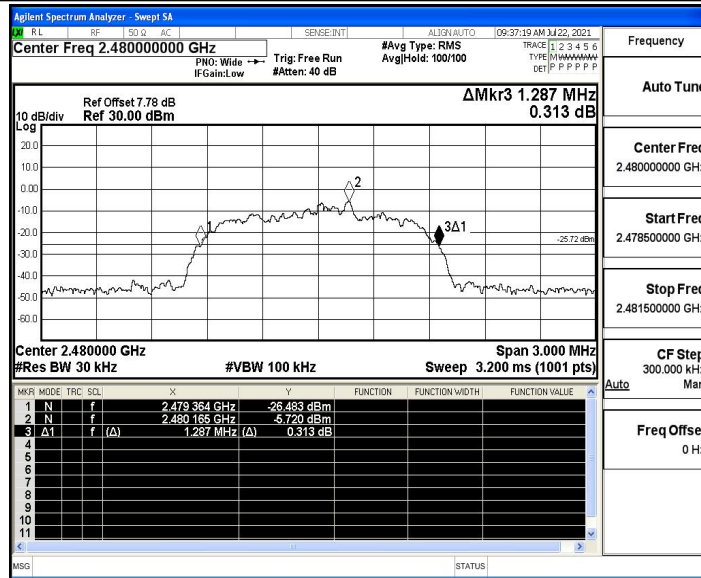
DH5_Ant1_2402



DH5_Ant1_2441



2DH5_Ant1_2441



2DH5_Ant1_2480

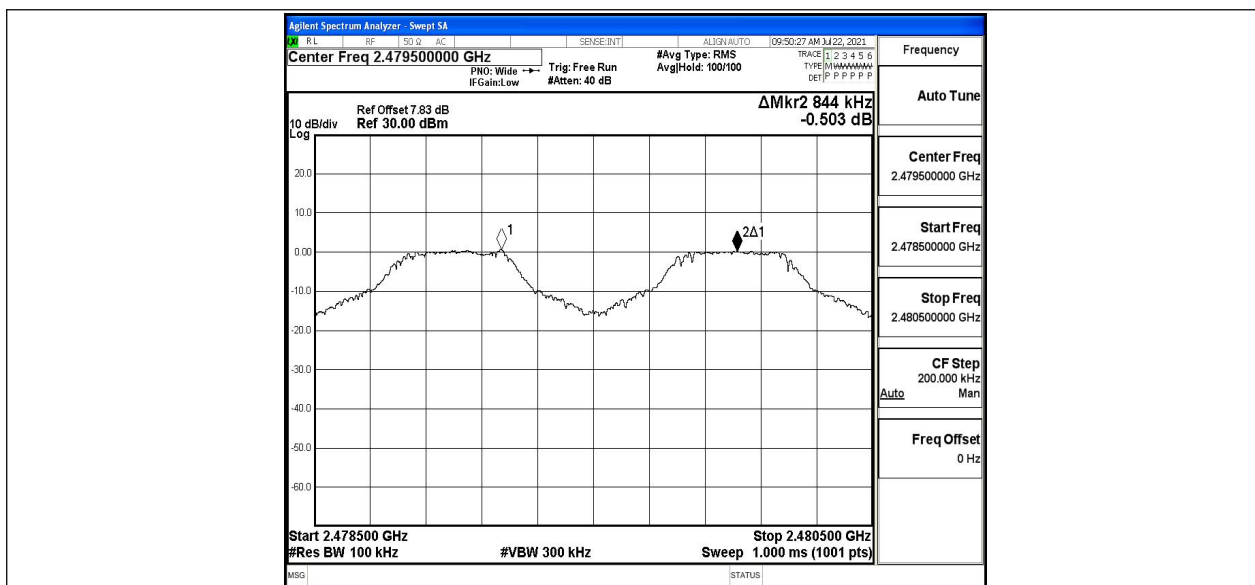


A.3 Carrier frequency separation

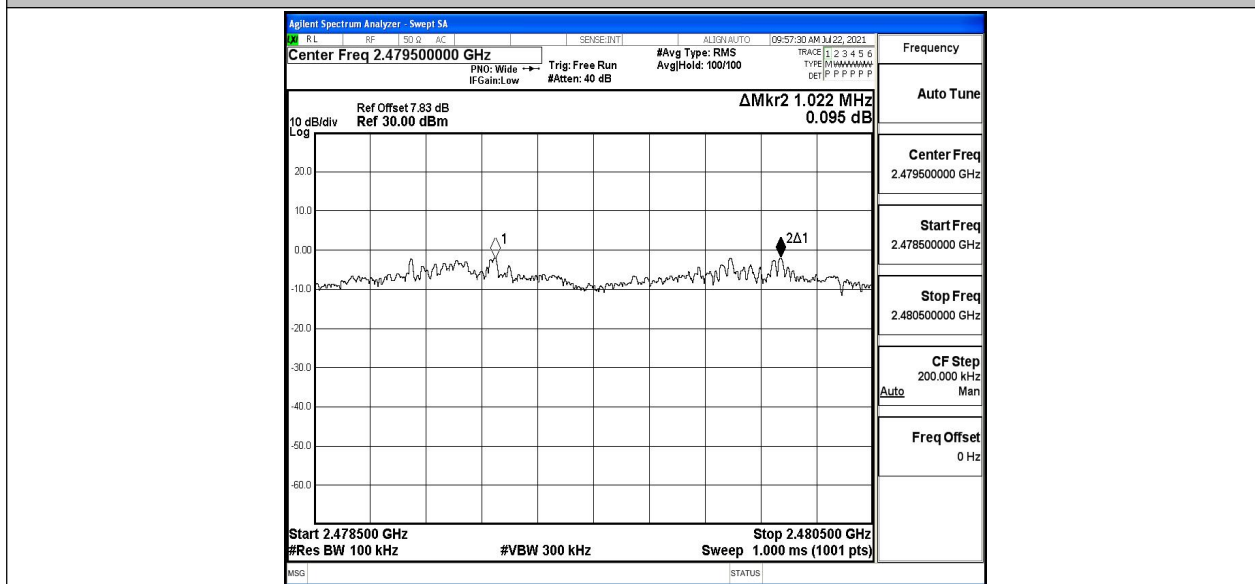
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.844	≥0.696	PASS
2DH5	Ant1	Hop	1.022	≥0.878	PASS

Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



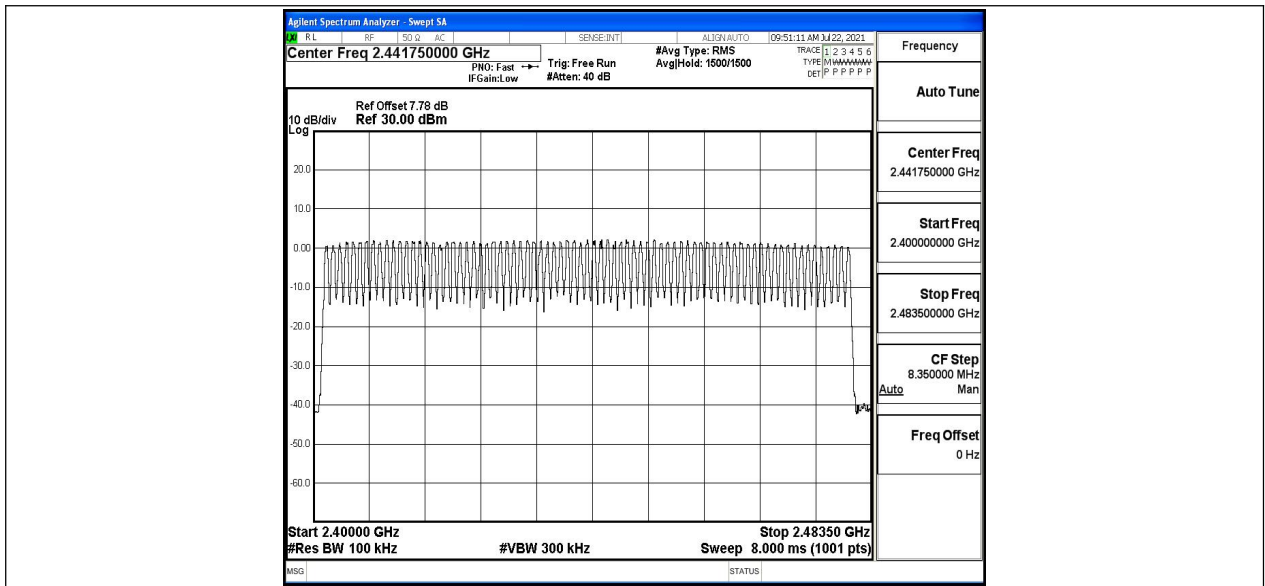
A.4 Number of hopping channels

Test Result

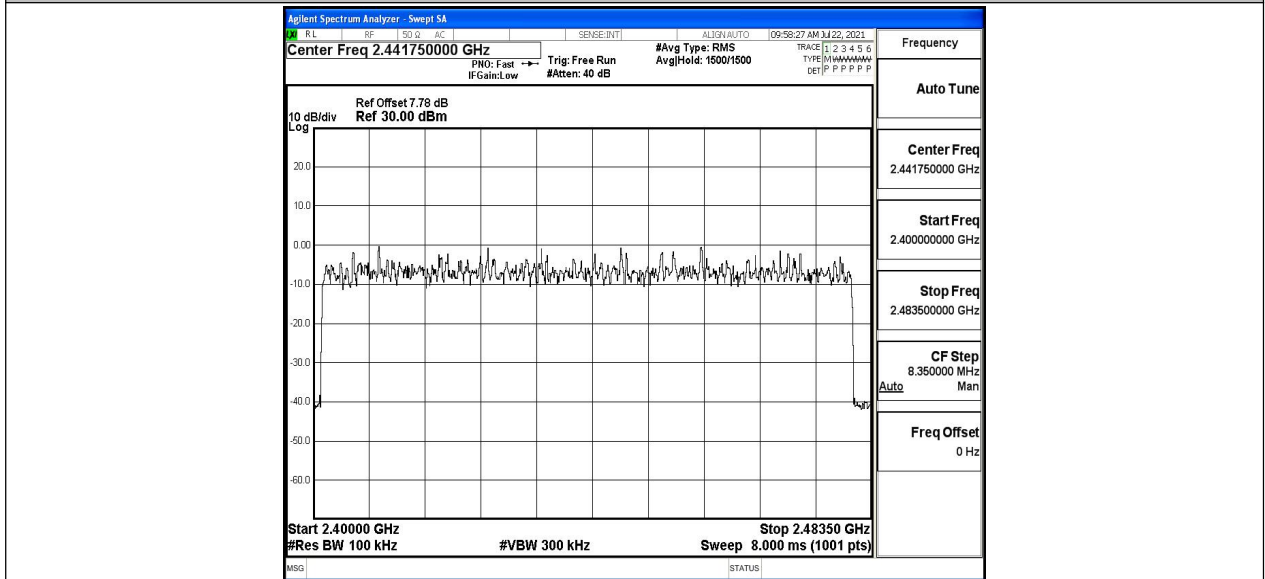
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS



Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop

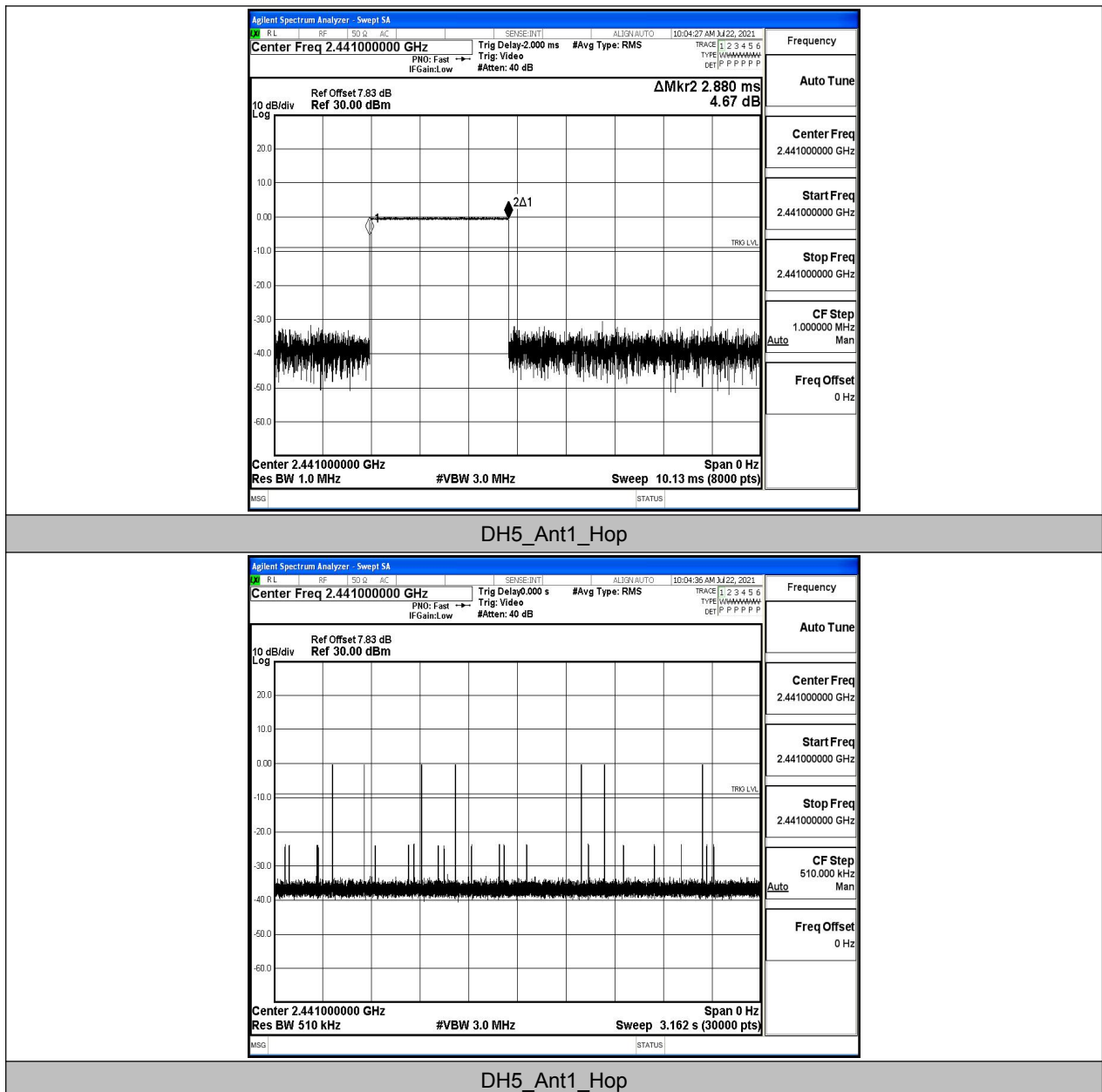


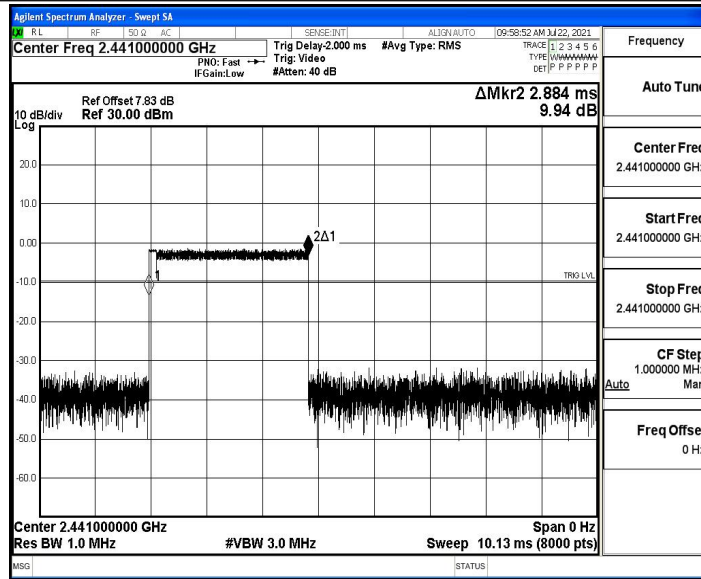
A.5 Time of occupancy

Test Result

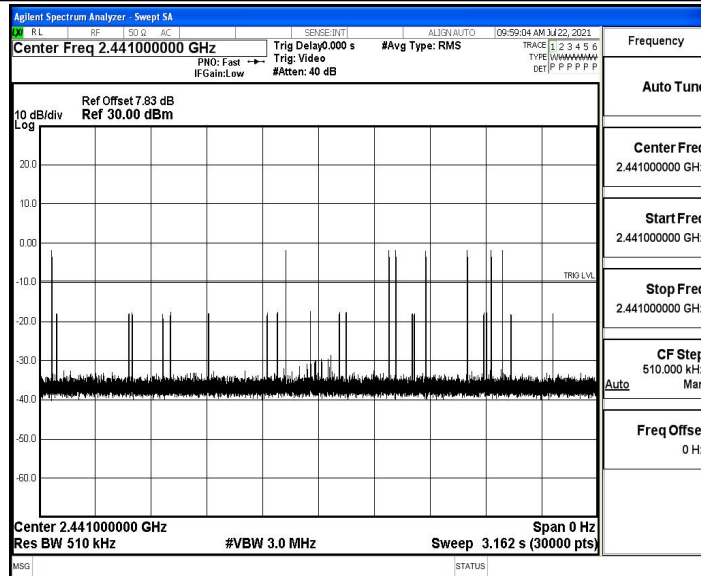
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	80	0.23	≤0.4	PASS
2DH5	Ant1	Hop	2.88	90	0.26	≤0.4	PASS

Test Graphs





2DH5_Ant1_Hop



2DH5_Ant1_Hop



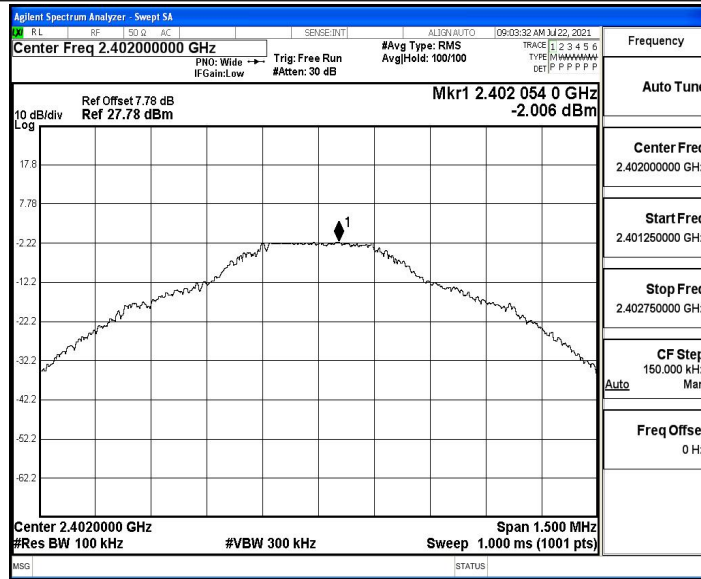
A.6 Conducted Spurious Emission

Test Result

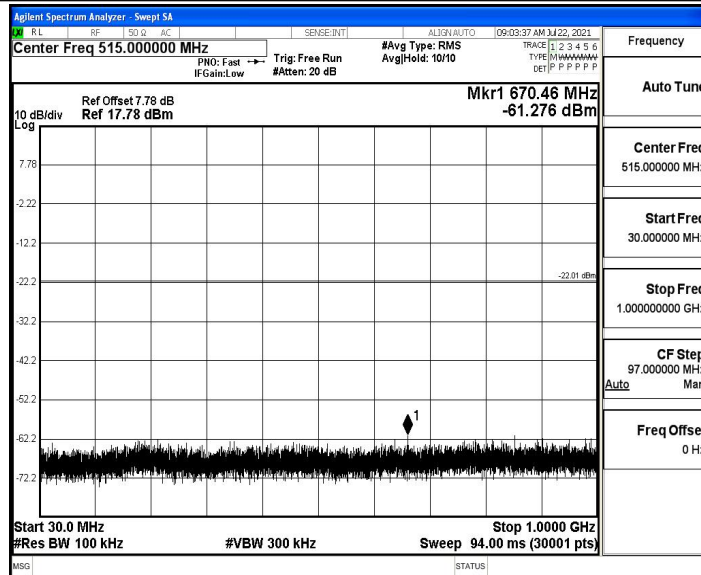
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.01	-2.01	---	PASS
			30~1000	-2.01	-61.28	≤-22.01	PASS
			1000~26500	-2.01	-47.61	≤-22.01	PASS
		2441	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-61.56	≤-21.05	PASS
			1000~26500	-1.05	-47.75	≤-21.05	PASS
		2480	Reference	-1.56	-1.56	---	PASS
			30~1000	-1.56	-62.2	≤-21.56	PASS
			1000~26500	-1.56	-47.54	≤-21.56	PASS
2DH5	Ant1	2402	Reference	-5.60	-5.60	---	PASS
			30~1000	-5.60	-61.9	≤-25.6	PASS
			1000~26500	-5.60	-47.47	≤-25.6	PASS
		2441	Reference	-2.53	-2.53	---	PASS
			30~1000	-2.53	-61.56	≤-22.53	PASS
			1000~26500	-2.53	-46.41	≤-22.53	PASS
		2480	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-61.85	≤-22.93	PASS
			1000~26500	-2.93	-47.76	≤-22.93	PASS



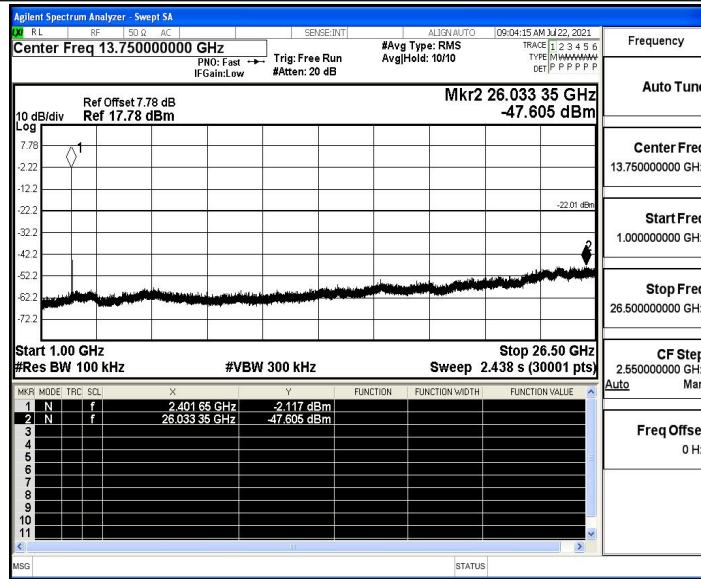
Test Graphs



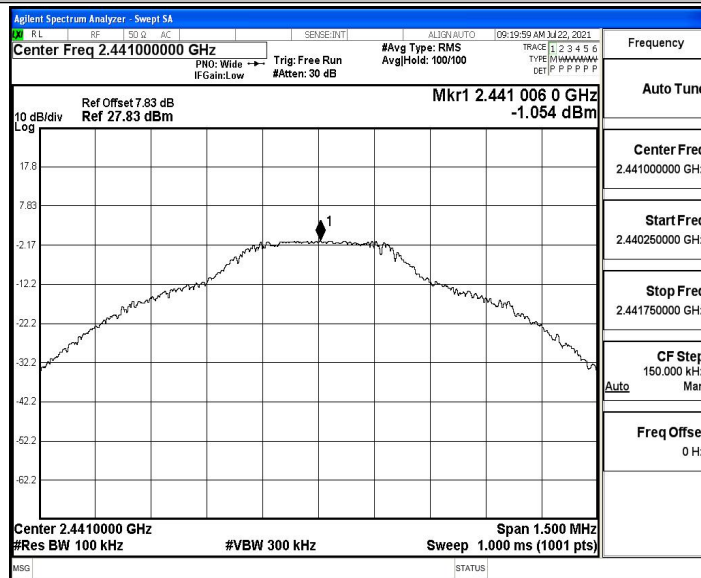
DH5_Ant1_2402_0~Reference



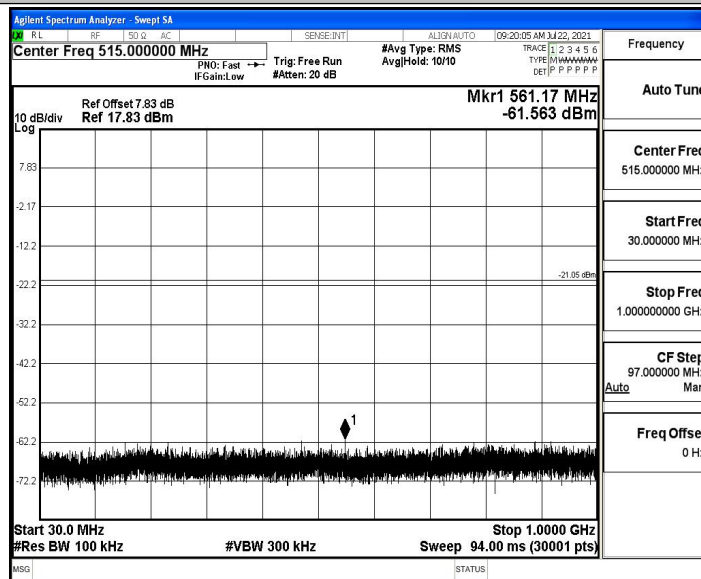
DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

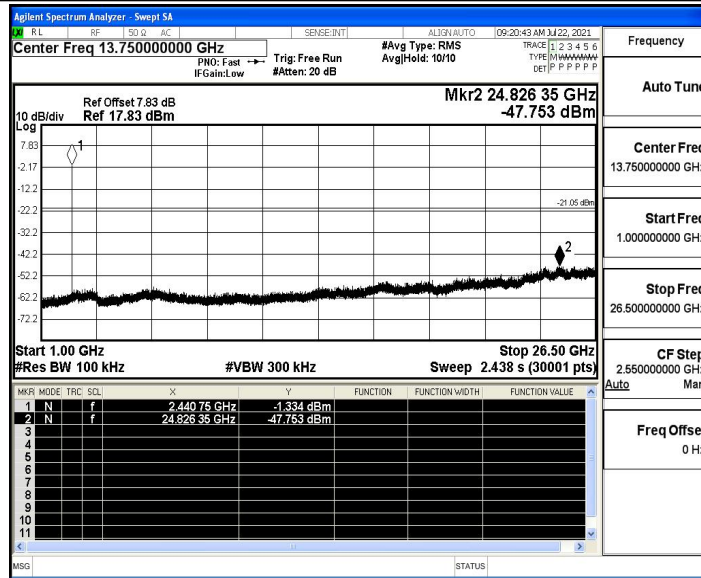


DH5_Ant1_2441_0~Reference

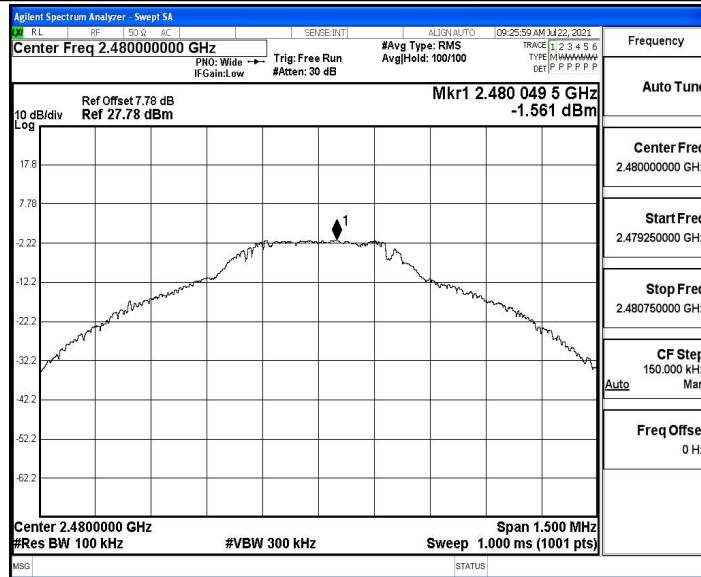




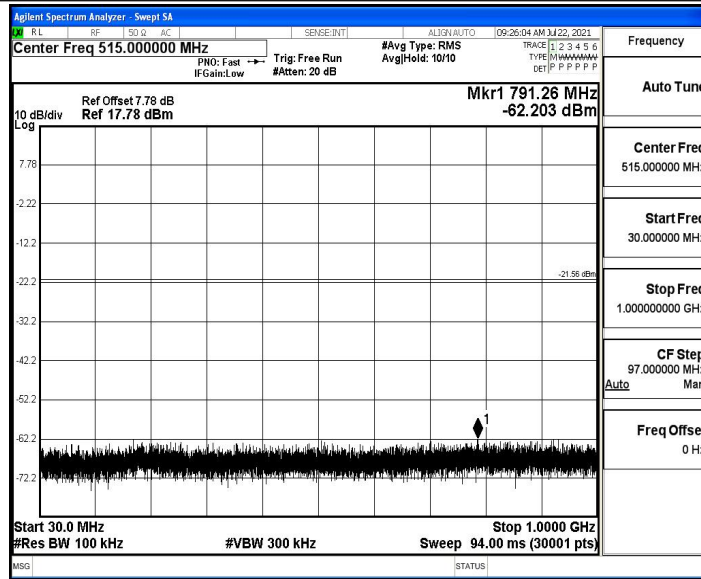
DH5_Ant1_2441_30~1000



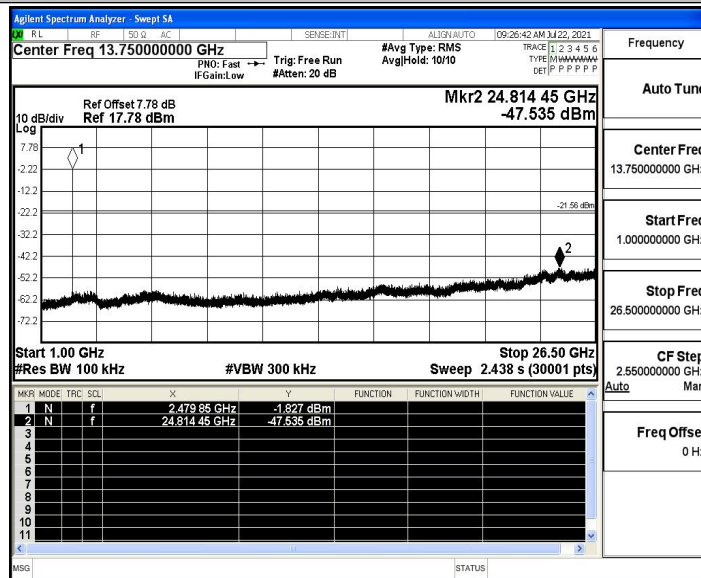
DH5_Ant1_2441_1000~26500



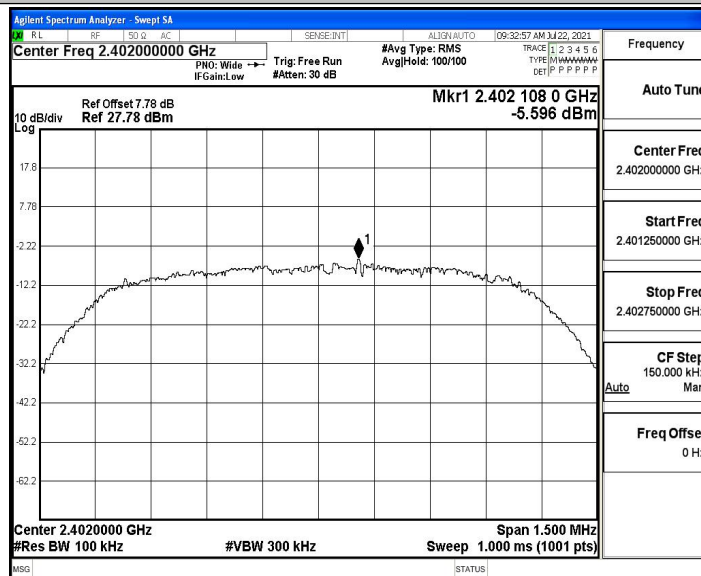
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

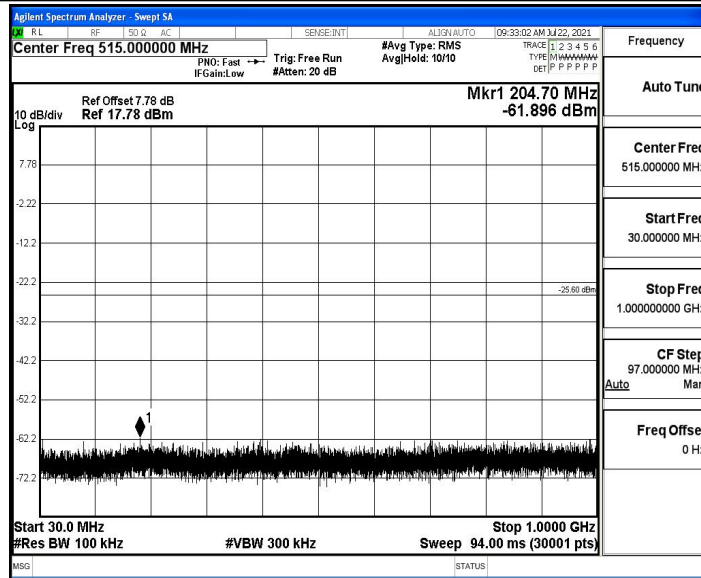


DH5_Ant1_2480_1000~26500

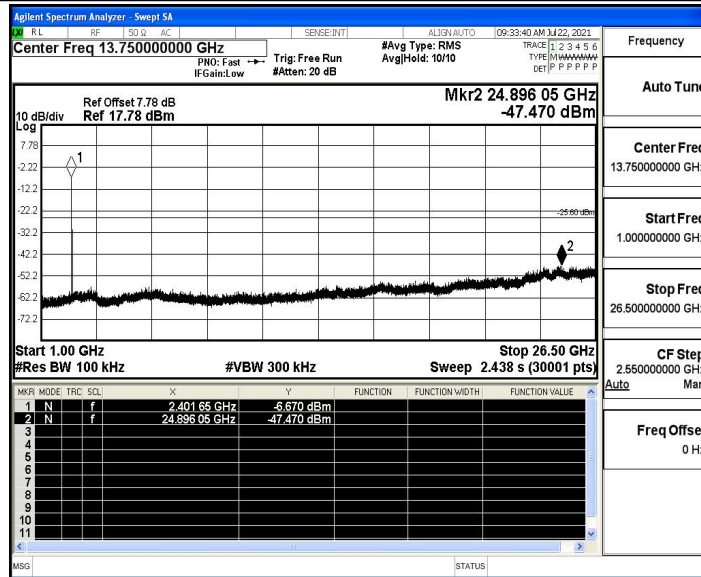




2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500