



## 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

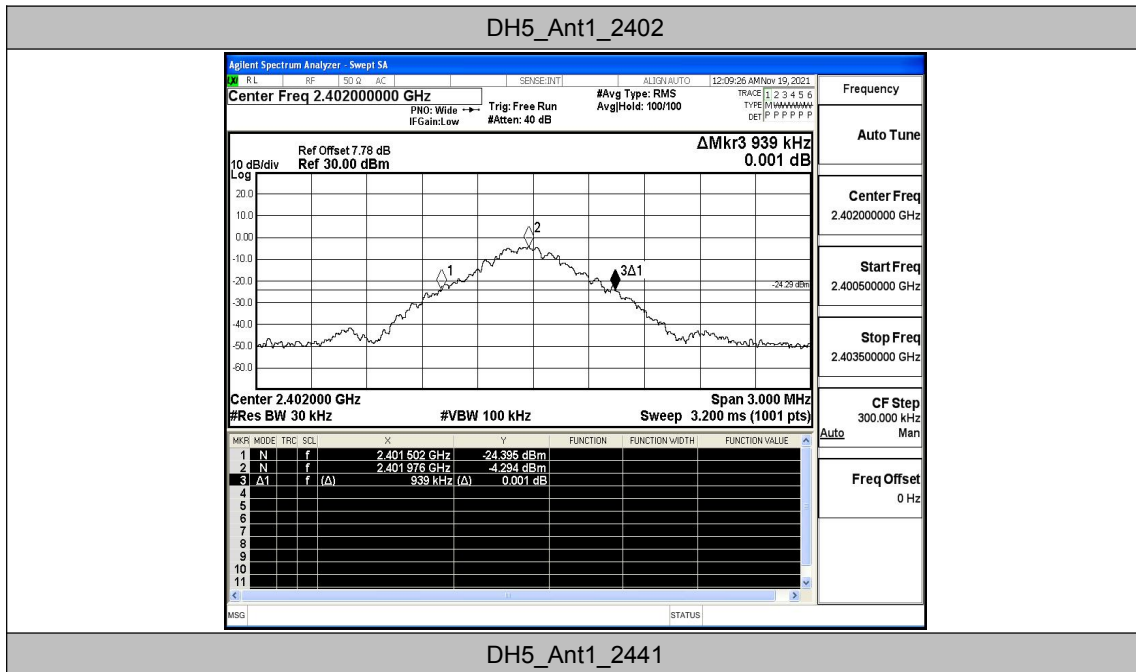


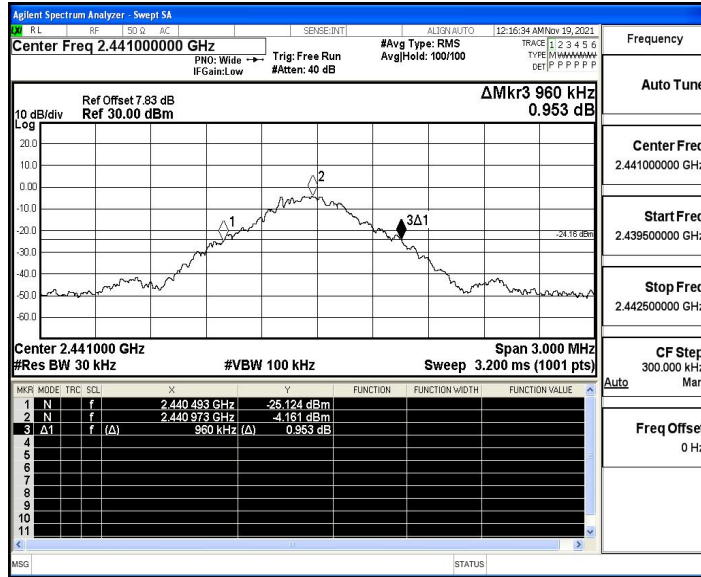
## A.1 20dB Emission Bandwidth

### Test Result

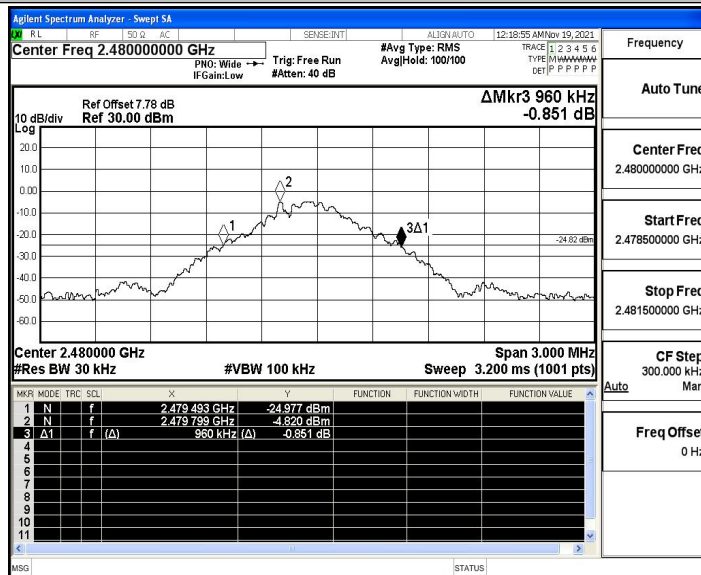
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.502	2402.441	---	PASS
		2441	0.960	2440.493	2441.453	---	PASS
		2480	0.960	2479.493	2480.453	---	PASS
2DH5	Ant1	2402	1.356	2401.286	2402.642	---	PASS
		2441	1.356	2440.289	2441.645	---	PASS
		2480	1.305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

### Test Graphs

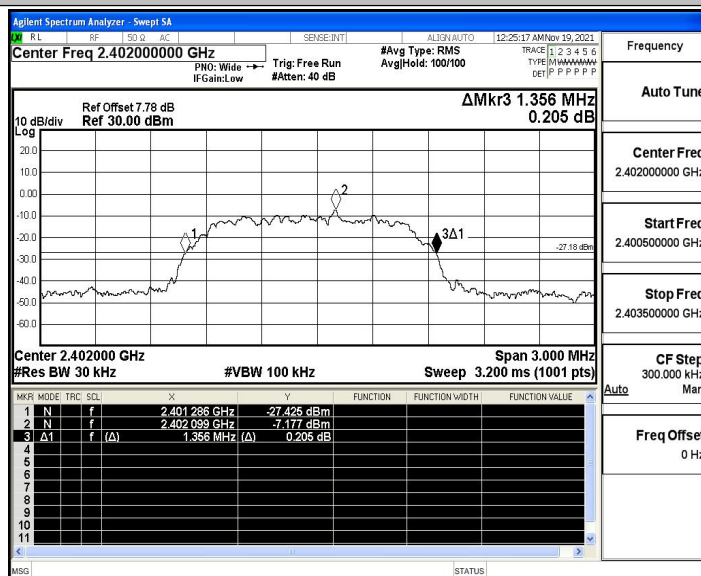




DH5\_Ant1\_2480

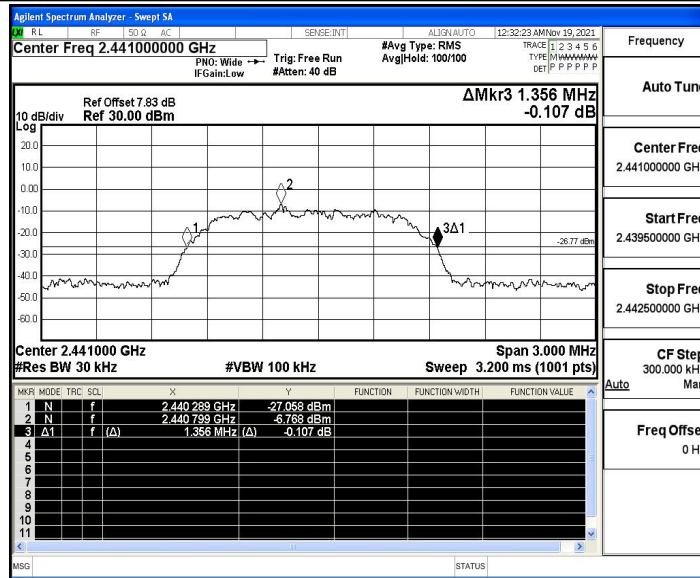


2DH5\_Ant1\_2402

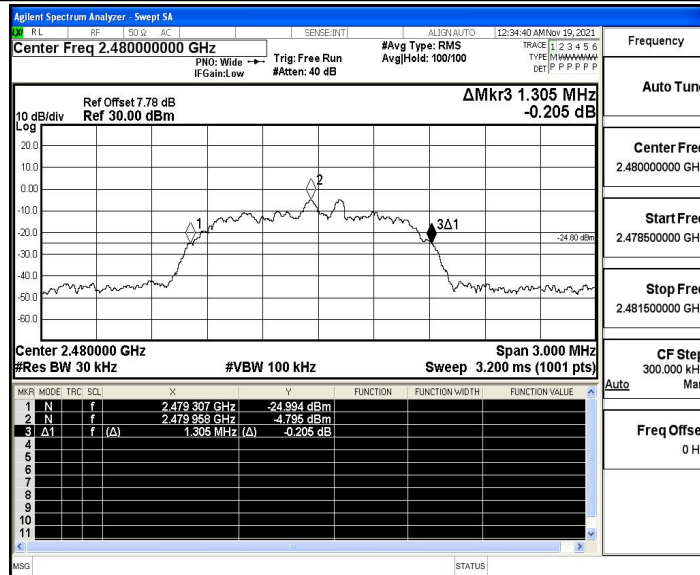




2DH5\_Ant1\_2441



2DH5\_Ant1\_2480





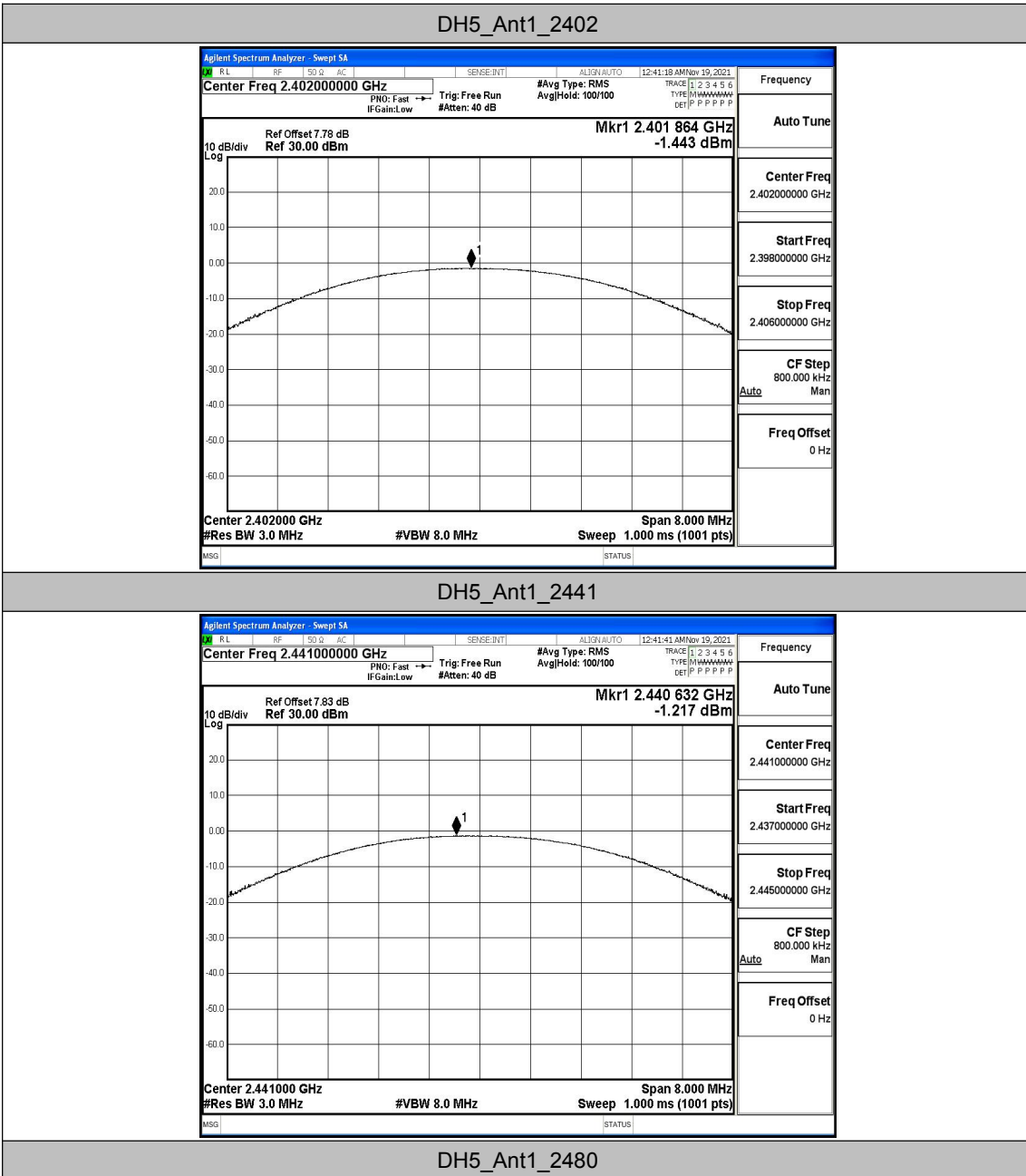
## A.2 Maximum conducted output power

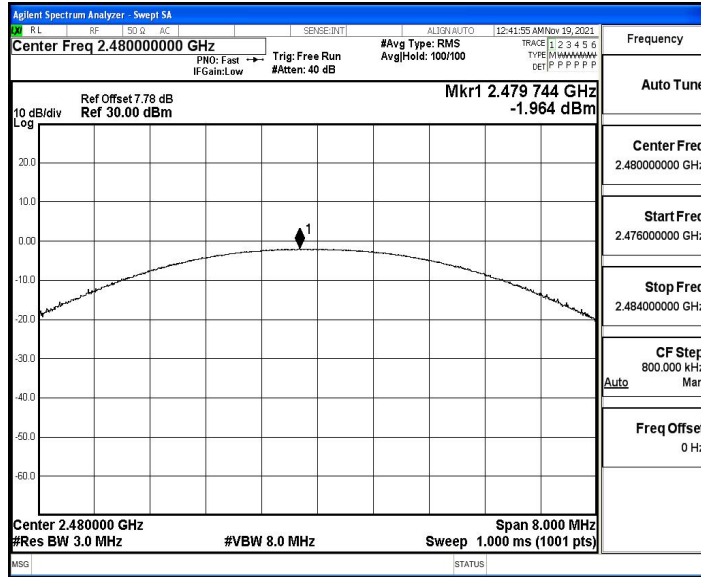
### Test Result

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

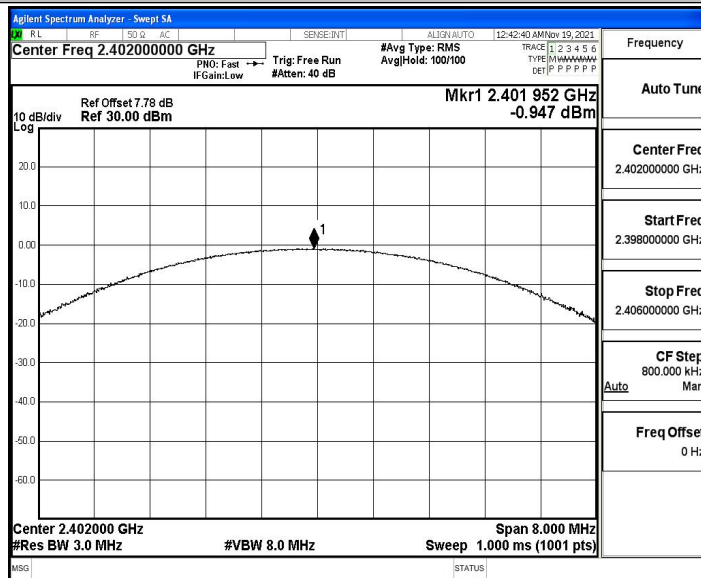


### Test Graphs

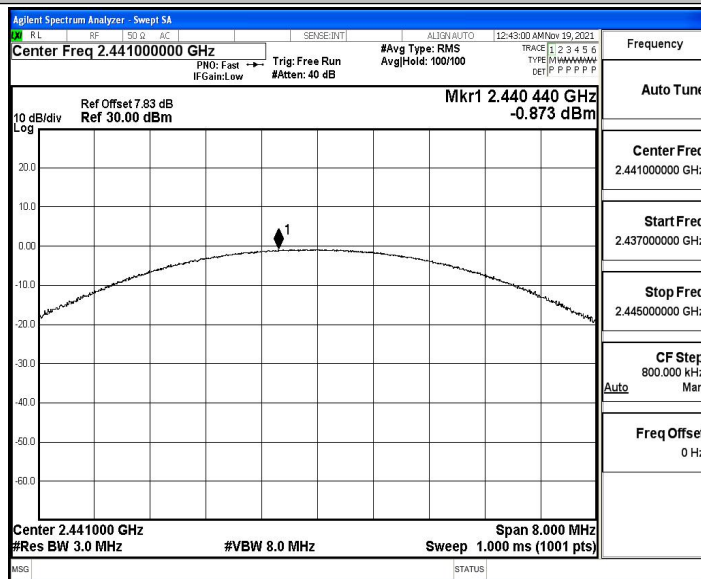




2DH5\_Ant1\_2402

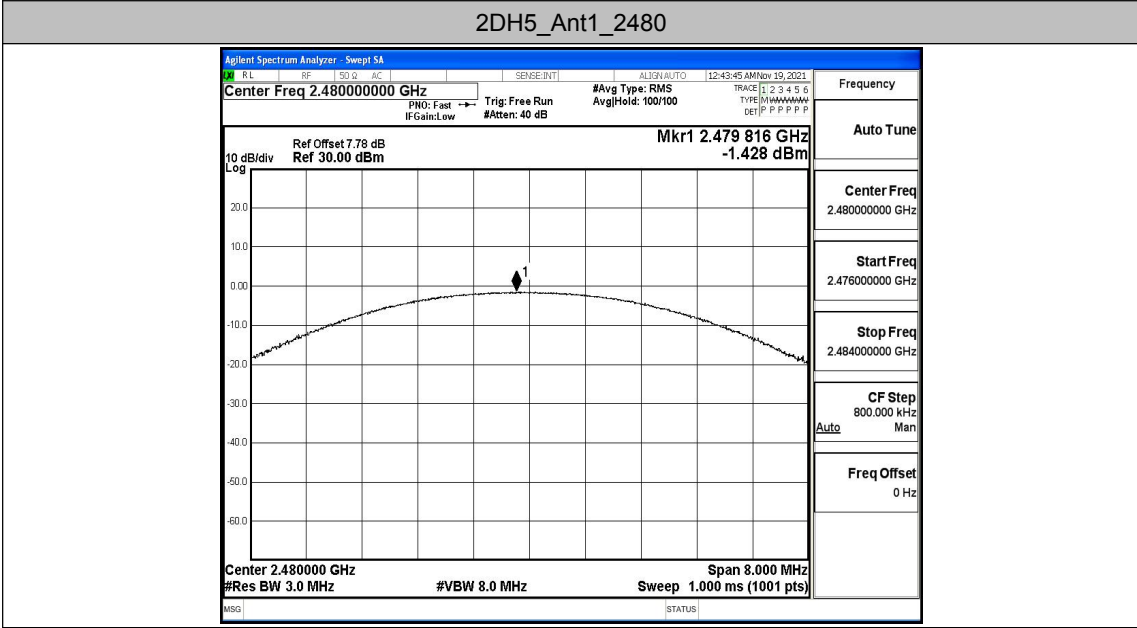


2DH5\_Ant1\_2441





2DH5\_Ant1\_2480





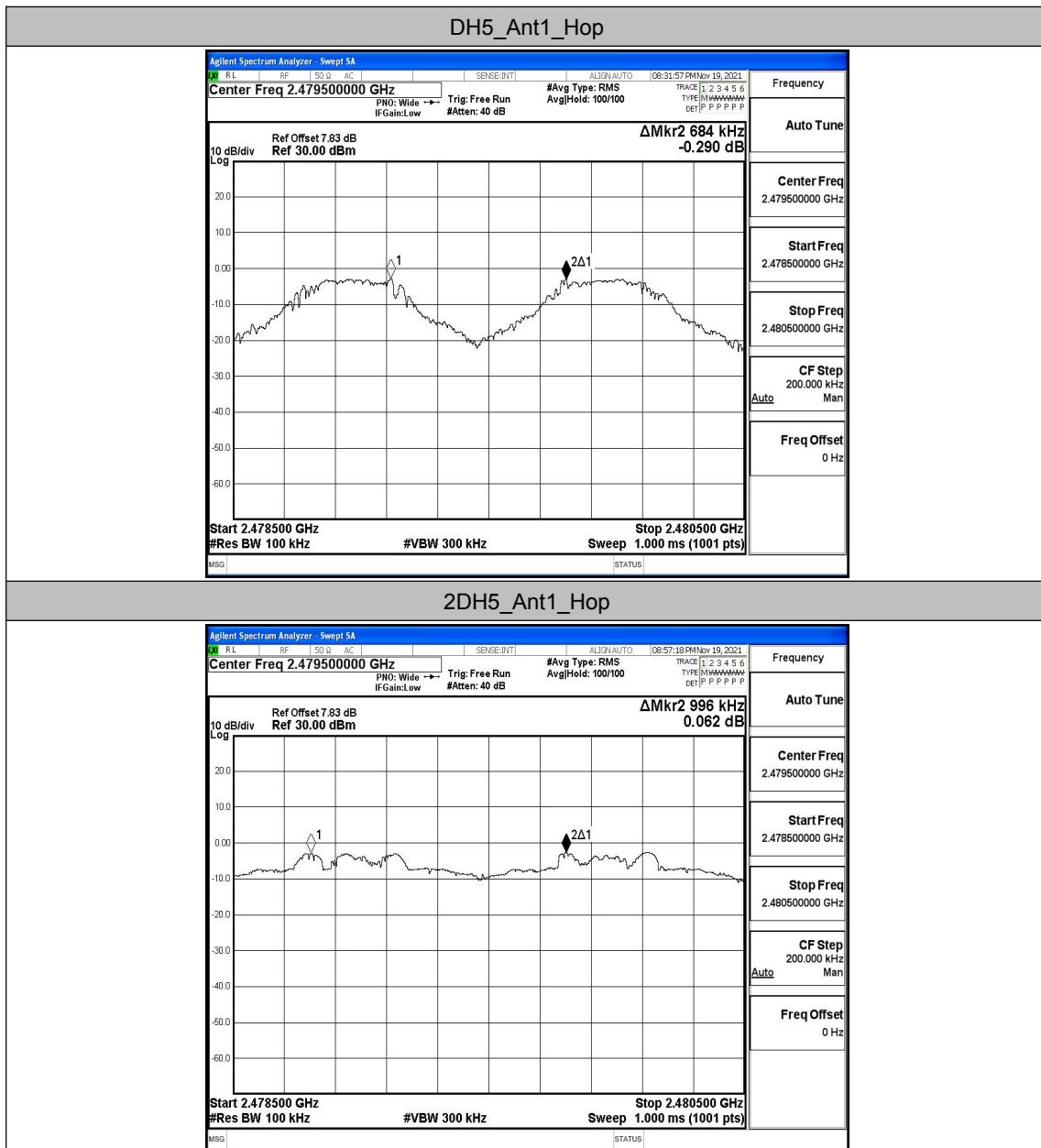


### A.3 Carrier frequency separation

#### 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



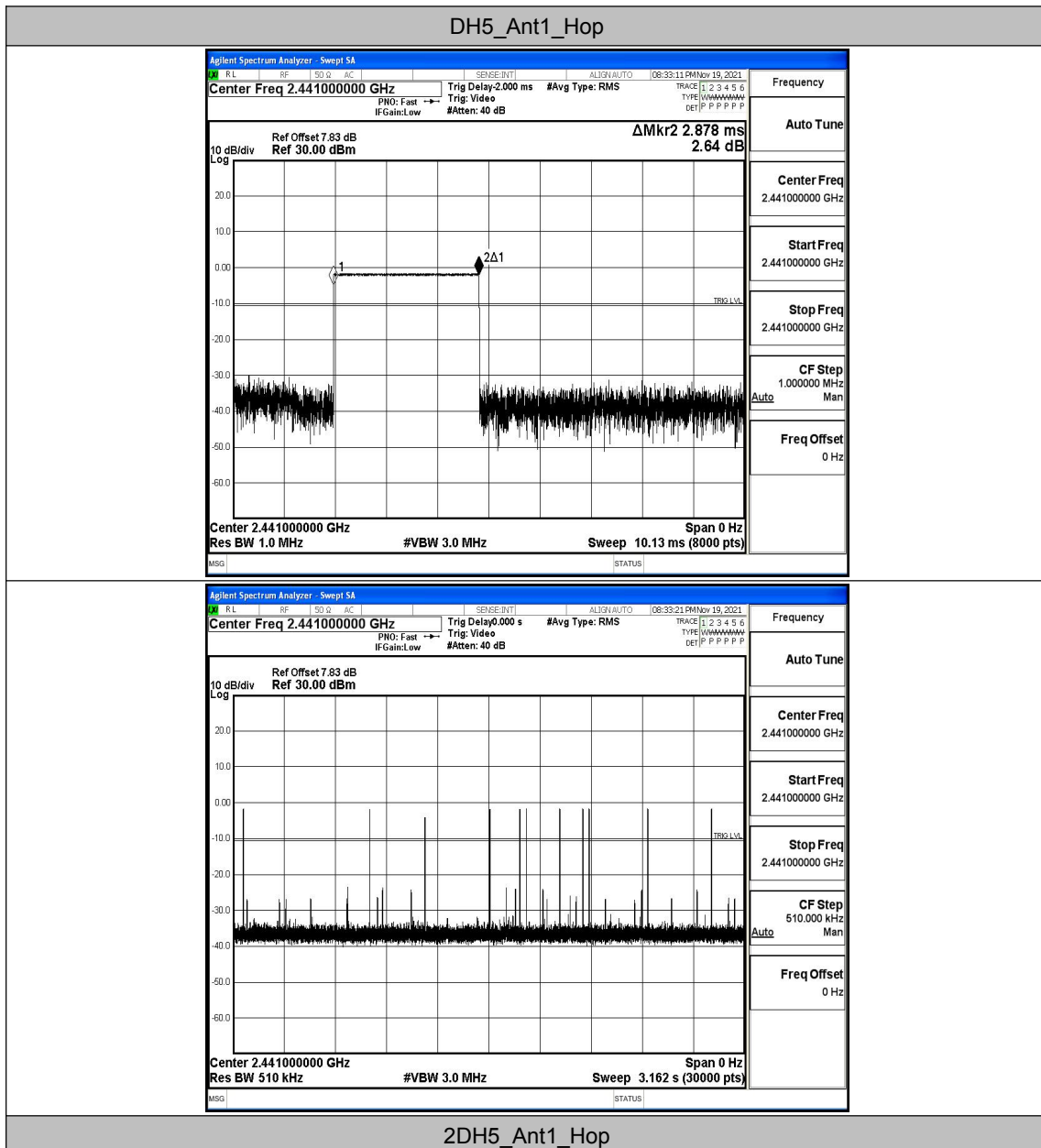


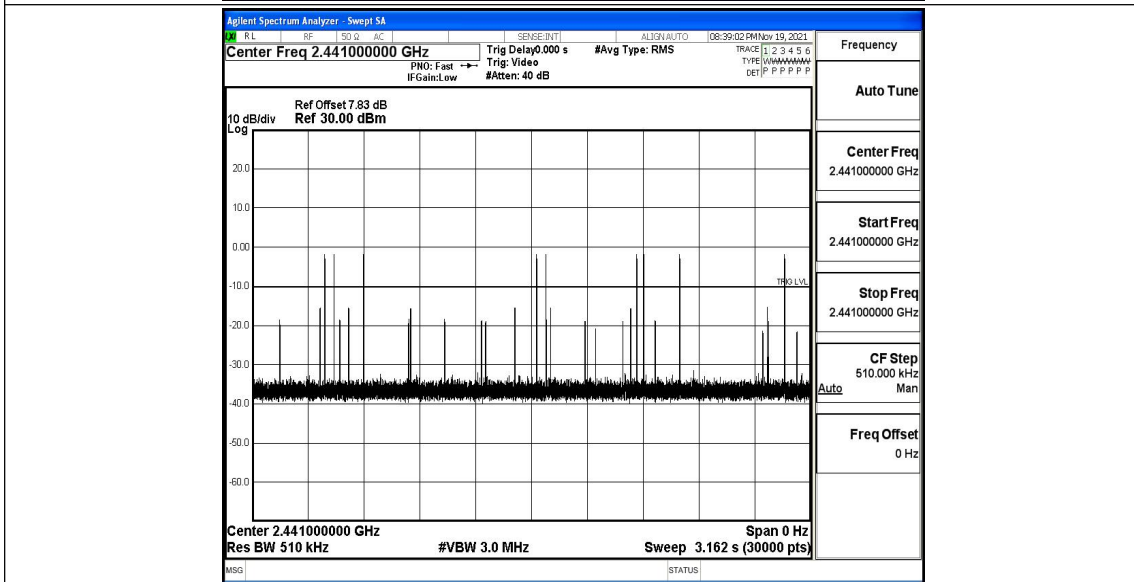
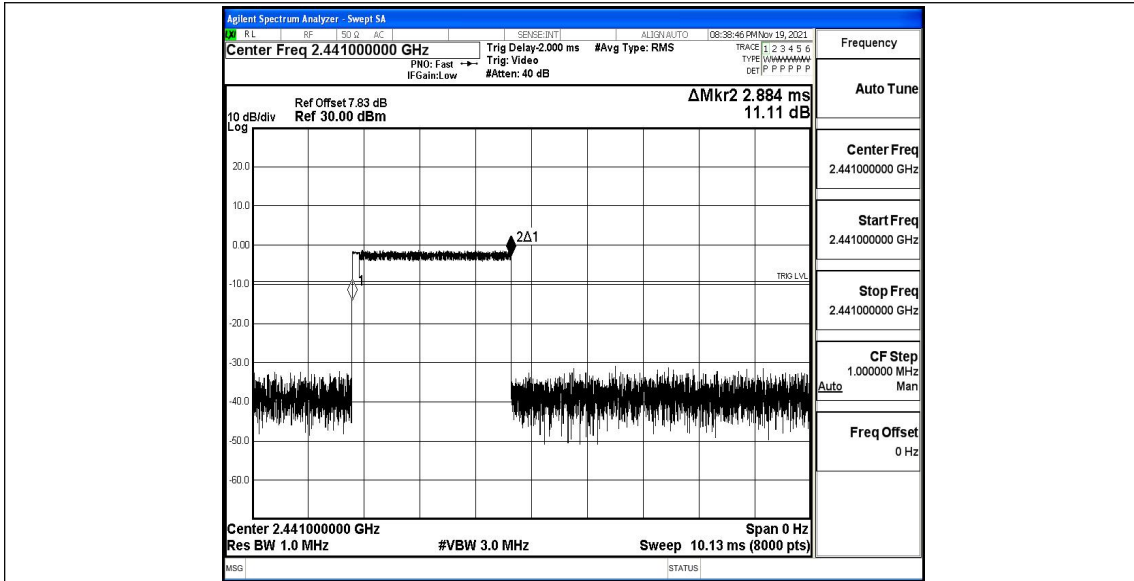
## A.4 Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS

### Test Graphs





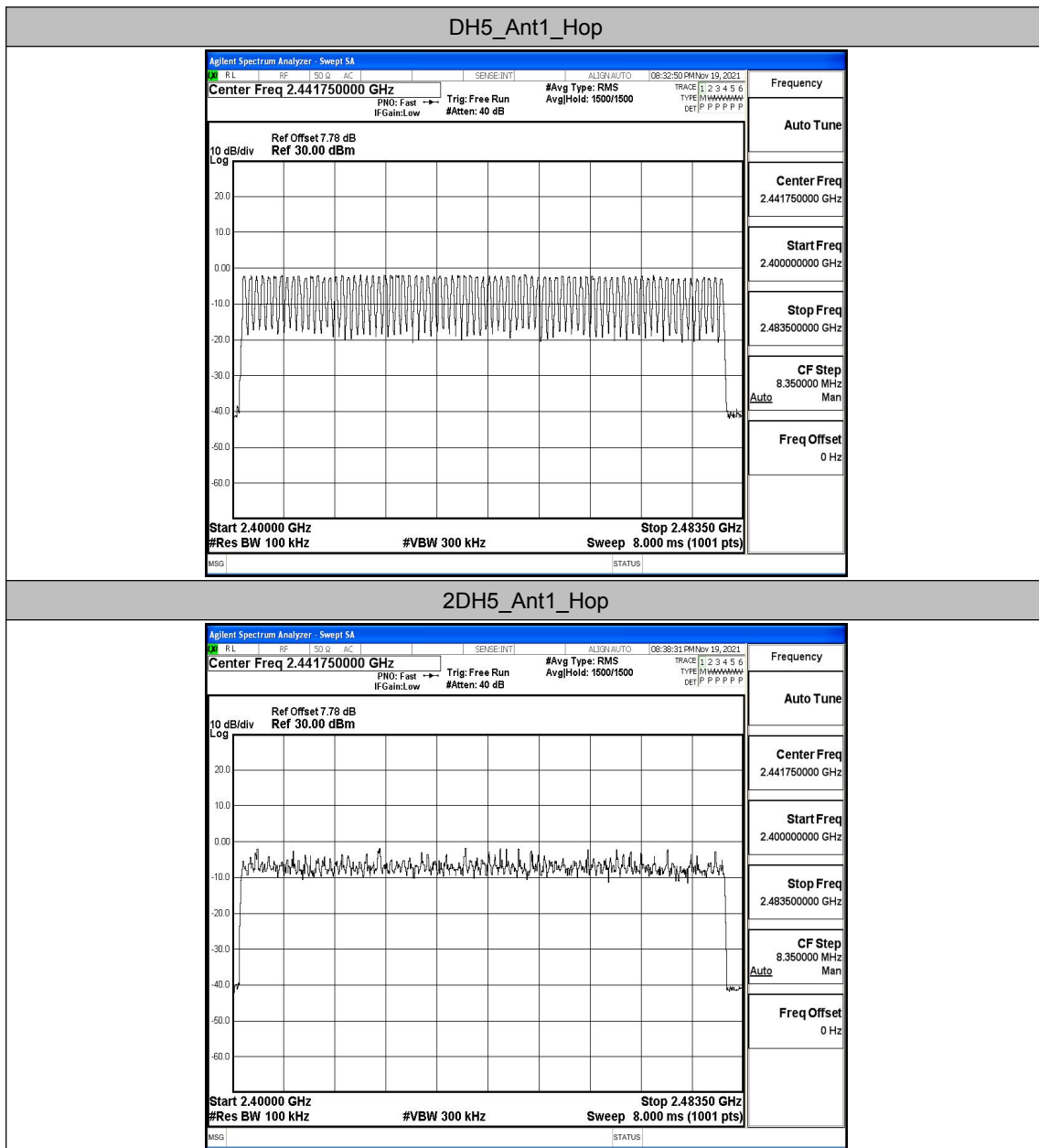


## A.5 Number of hopping channels

### Test Result

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

### Test Graphs





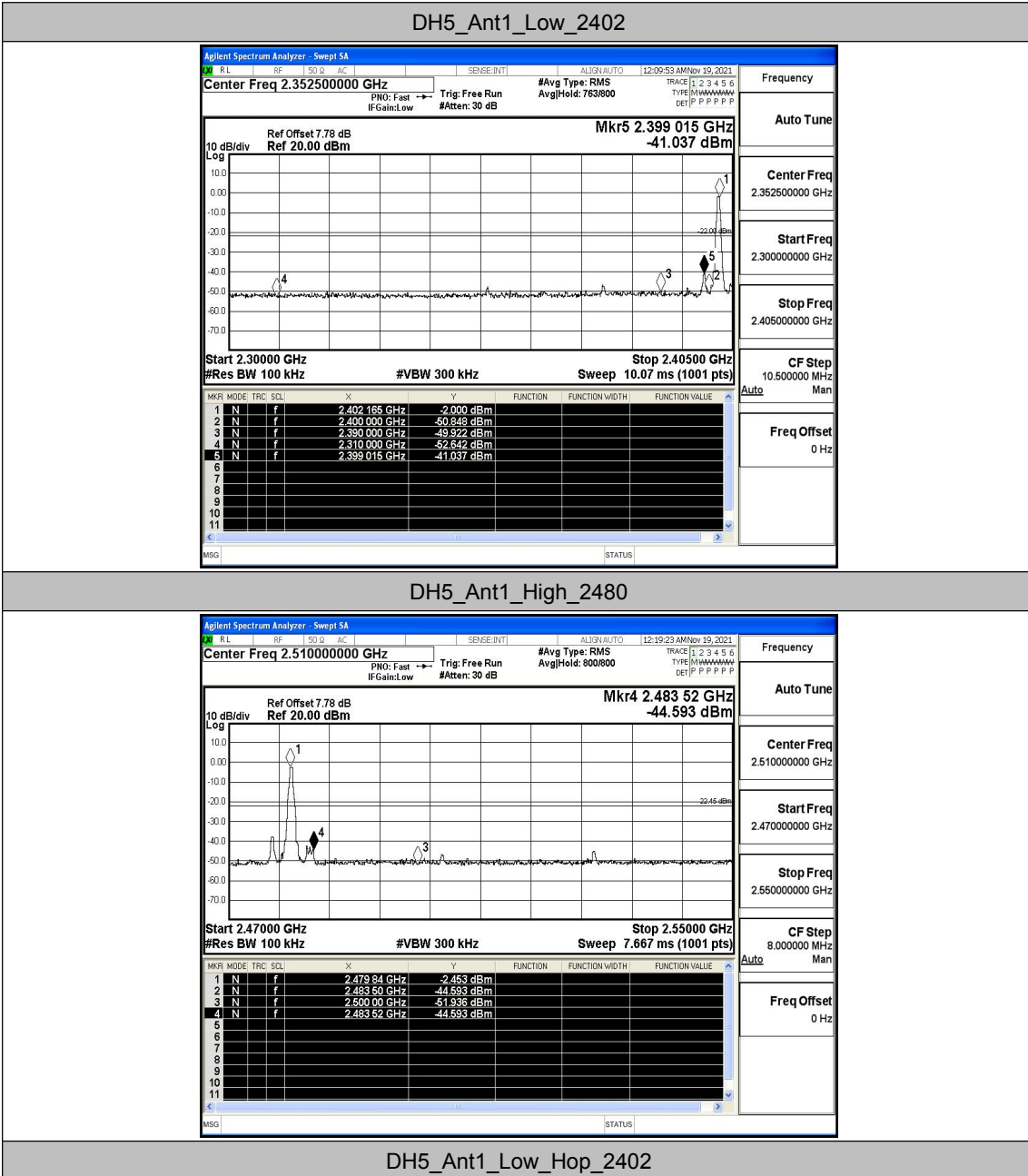
## A.6 Band edge measurements

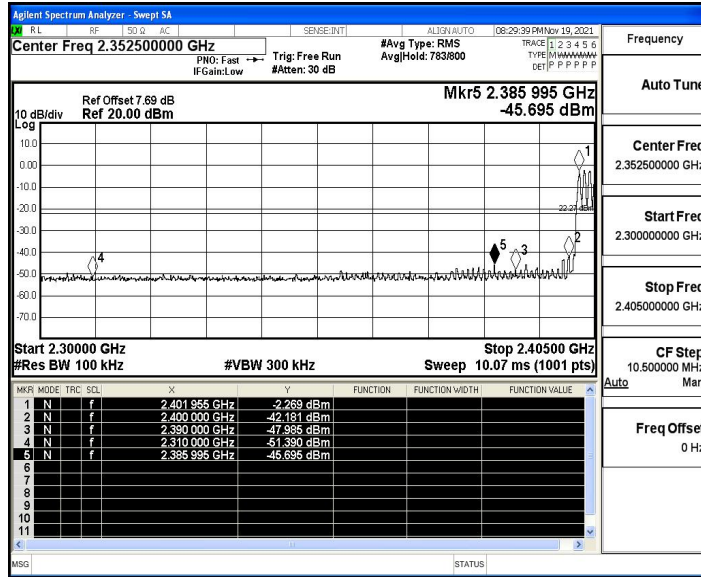
### Test Result

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

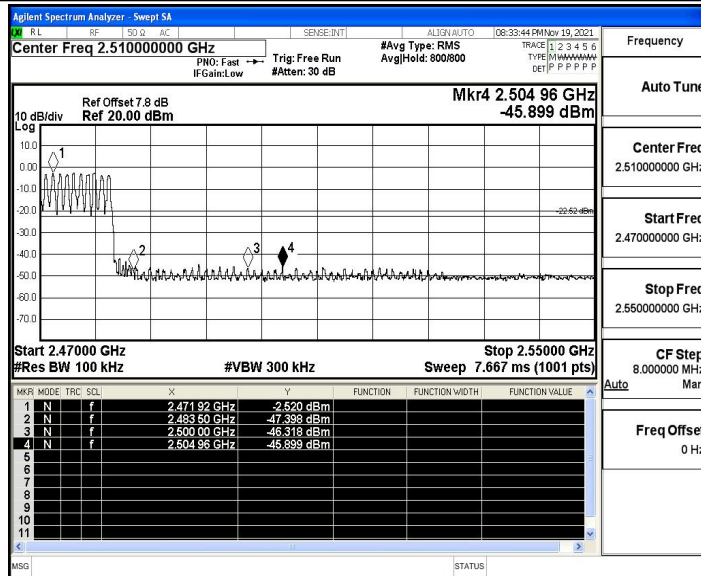


### Test Graphs

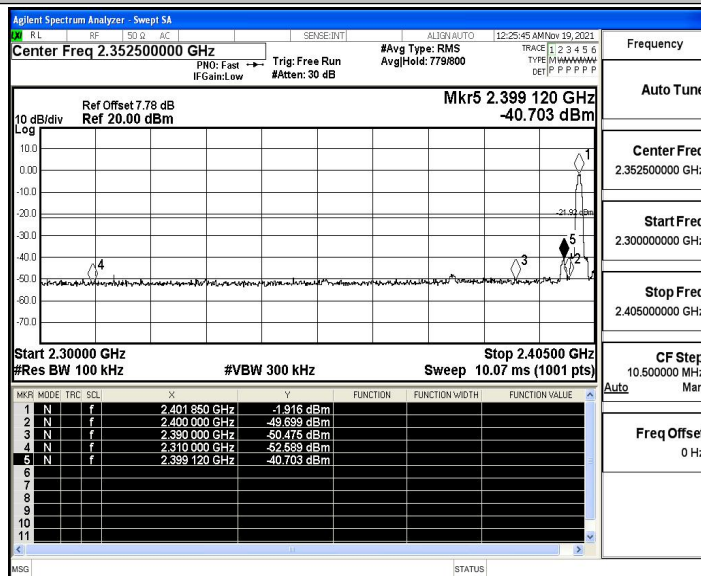




DH5\_Ant1\_High\_Hop\_2480

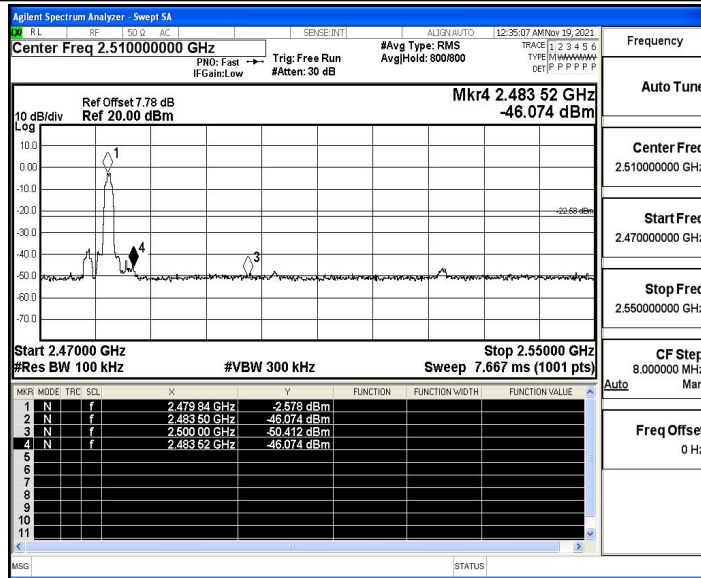


2DH5\_Ant1\_Low\_2402

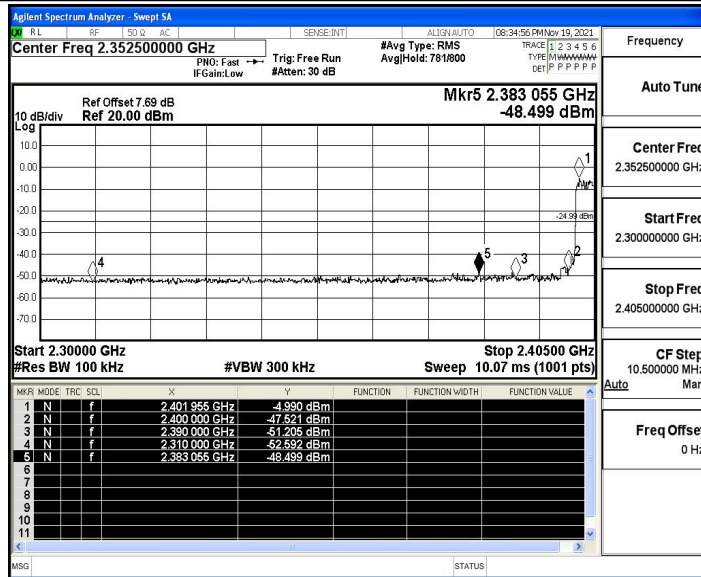




2DH5\_Ant1\_High\_2480

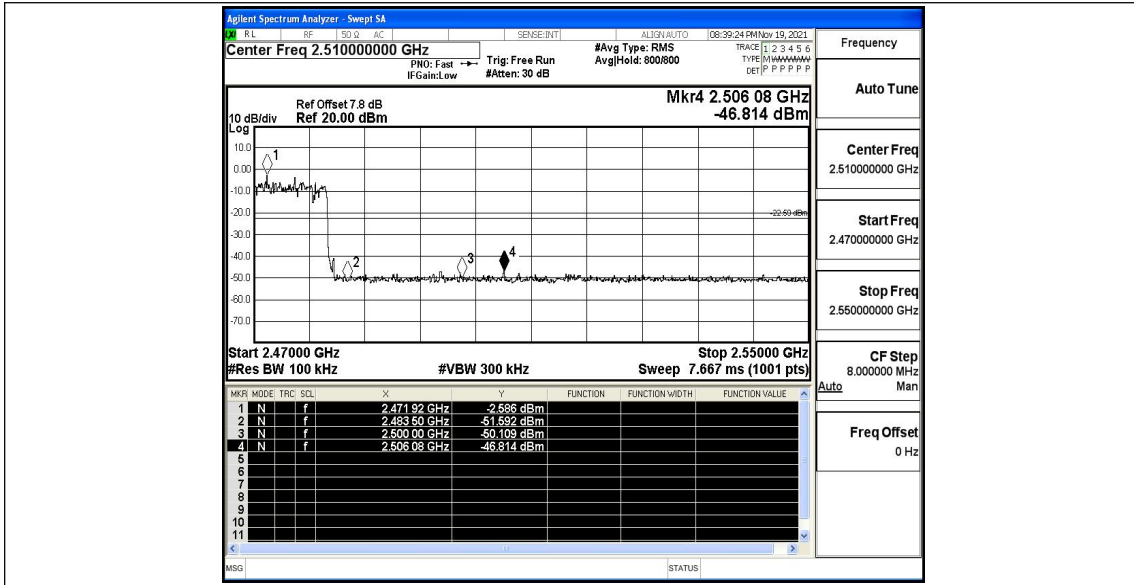


2DH5\_Ant1\_Low\_Hop\_2402



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

