





## Appendix A

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

Product Name: Bluetooth Speaker

Test Model: CF10

#### Environmental Conditions

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



## A.1 20dB Emission Bandwidth

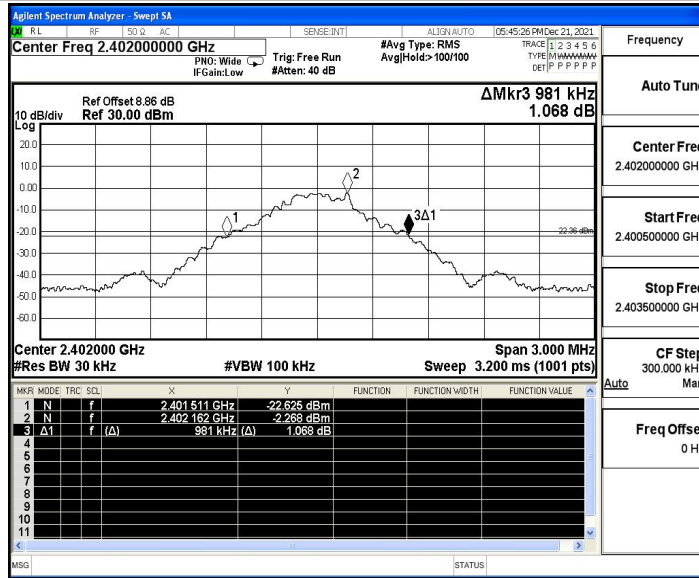
### Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.981	2401.511	2402.492	---	---
		2441	1.032	2440.463	2441.495	---	---
		2480	1.029	2479.463	2480.492	---	---
2DH5	Ant1	2402	1.293	2401.355	2402.648	---	---
		2441	1.293	2440.355	2441.648	---	---
		2480	1.293	2479.355	2480.648	---	---
3DH5	Ant1	2402	1.287	2401.346	2402.633	---	---
		2441	1.287	2440.346	2441.633	---	---
		2480	1.308	2479.340	2480.648	---	---

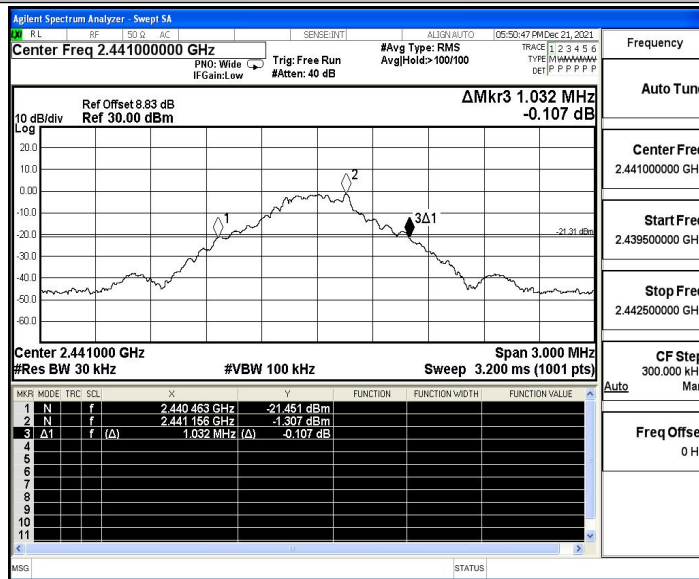


### Test Graphs

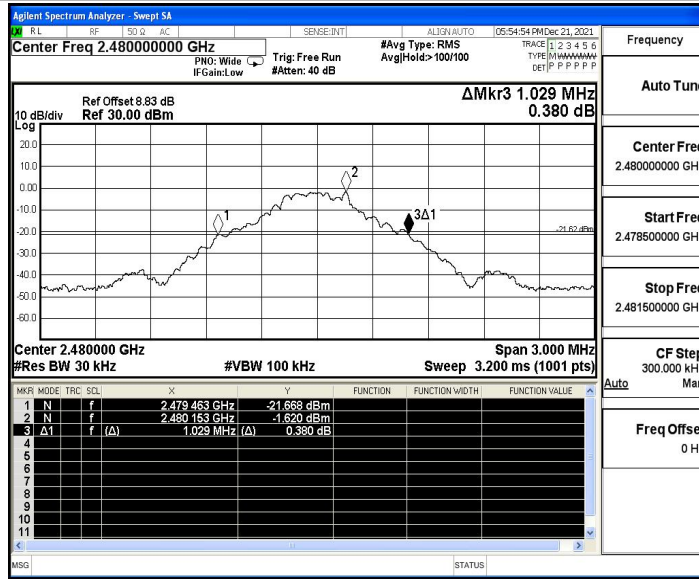
#### DH5\_Ant1\_2402



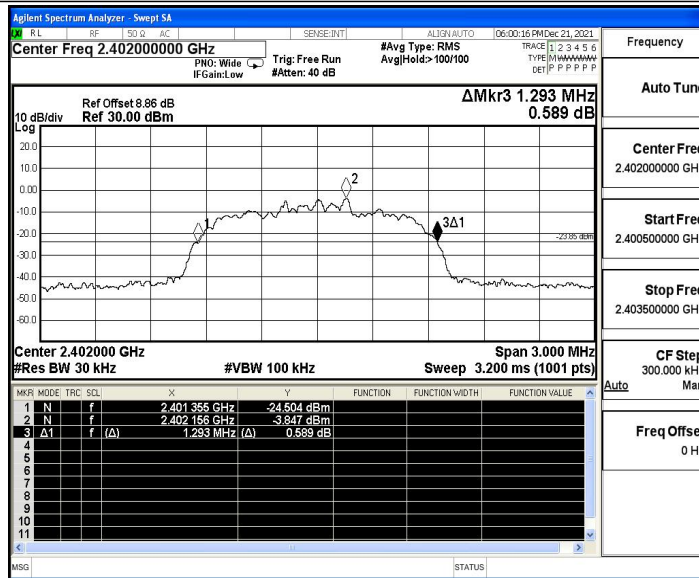
#### DH5\_Ant1\_2441



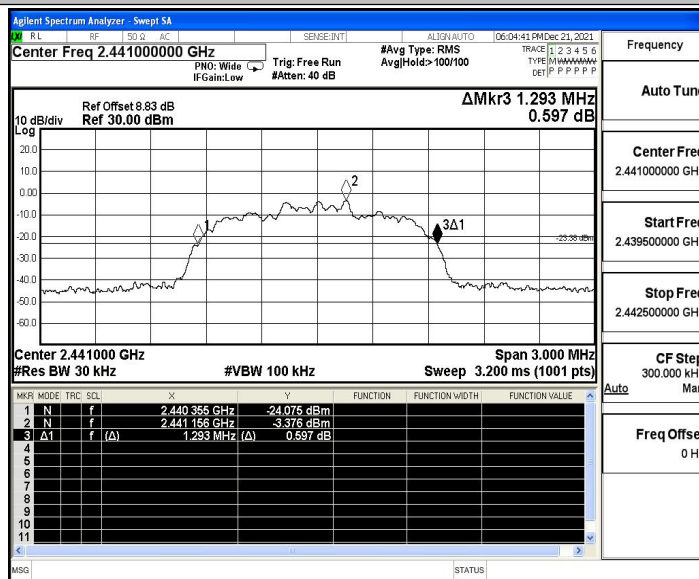
#### DH5\_Ant1\_2480



2D H5\_Ant1\_2402

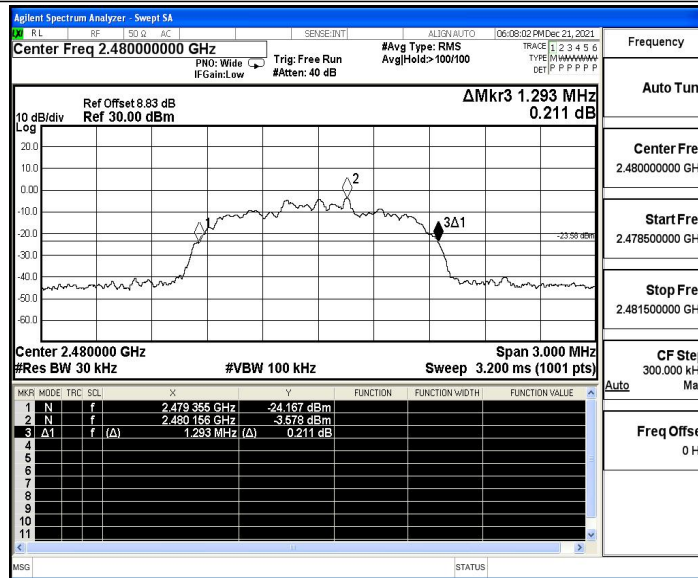


2D H5\_Ant1\_2441

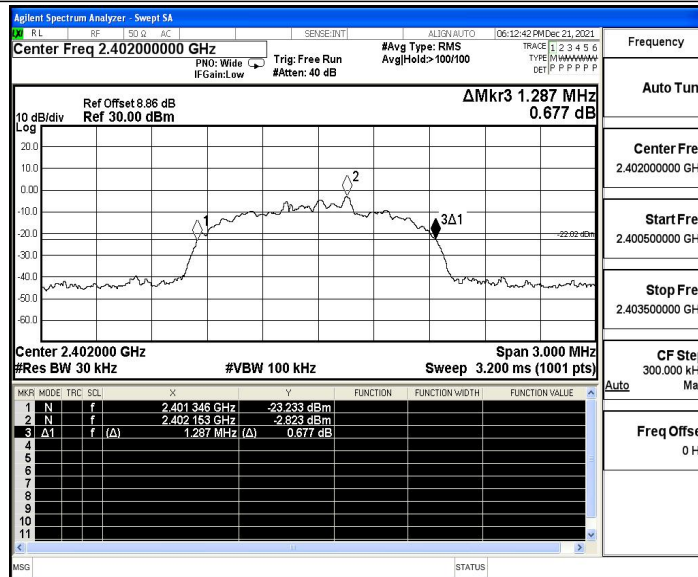




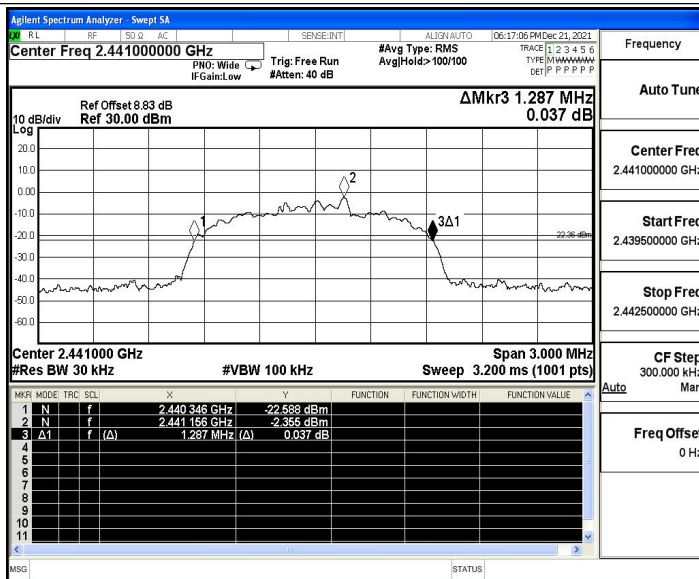
2DH5\_Ant1\_2480



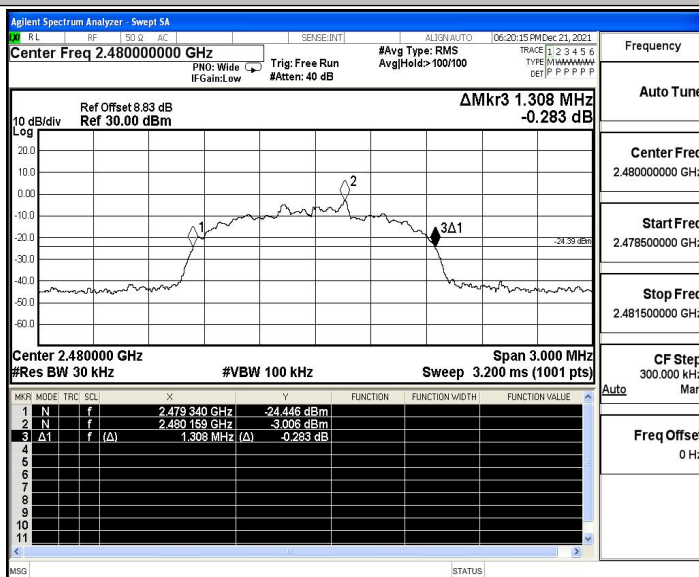
3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



3DH5\_Ant1\_2480





## A.2 Maximum peak conducted output power

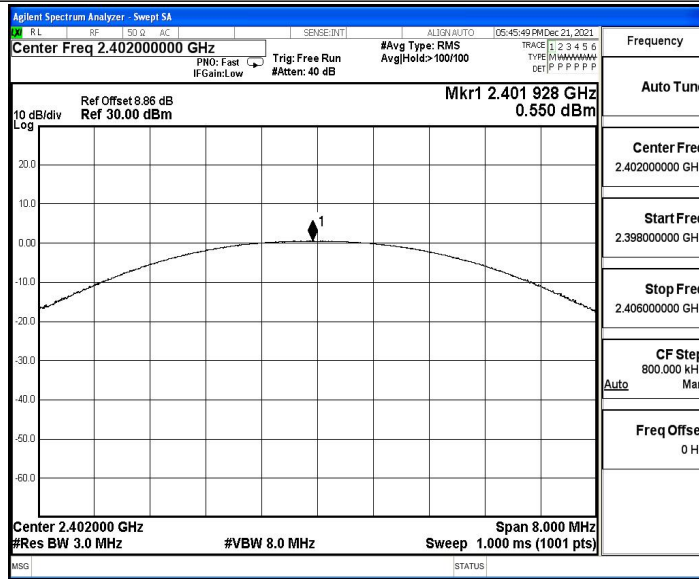
### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.55	$\leq 20.97$	PASS
		2441	1.42	$\leq 20.97$	PASS
		2480	1.09	$\leq 20.97$	PASS
2DH5	Ant1	2402	0.57	$\leq 20.97$	PASS
		2441	1.13	$\leq 20.97$	PASS
		2480	0.78	$\leq 20.97$	PASS
3DH5	Ant1	2402	0.56	$\leq 20.97$	PASS
		2441	1.12	$\leq 20.97$	PASS
		2480	0.86	$\leq 20.97$	PASS

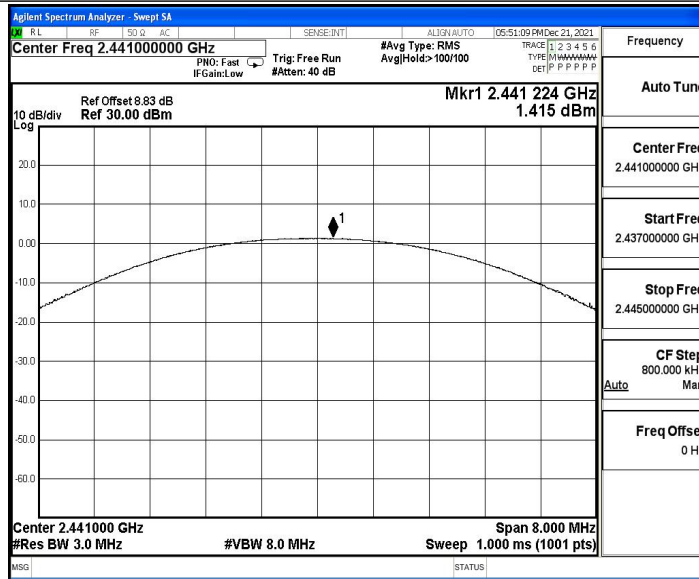


### Test Graphs

DH5\_Ant1\_2402

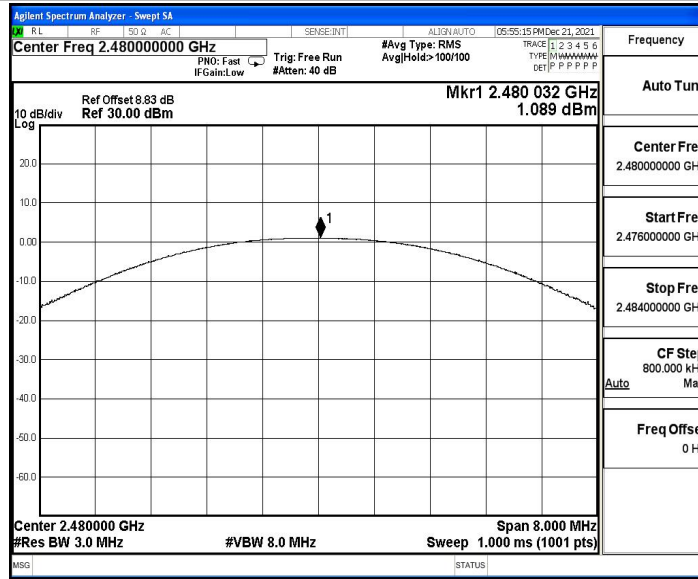


DH5\_Ant1\_2441

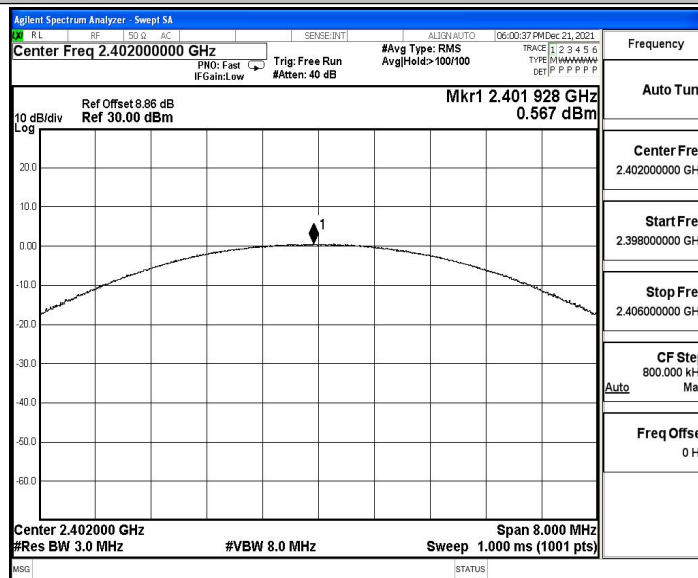


DH5\_Ant1\_2480

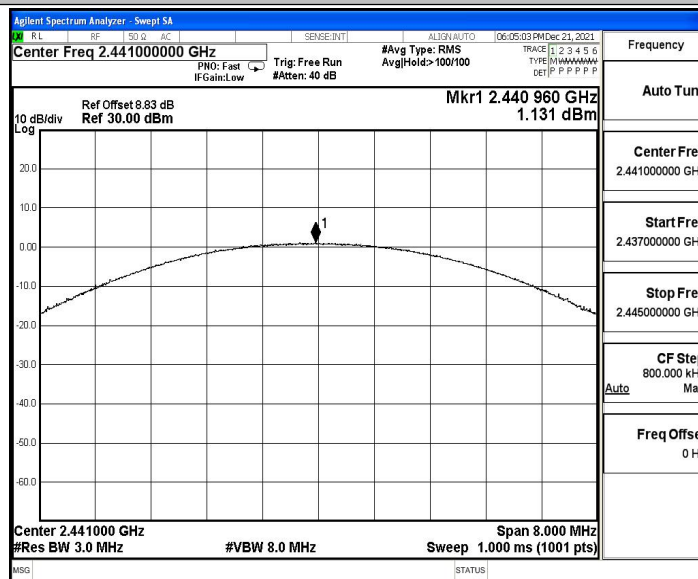




2DH5\_Ant1\_2402

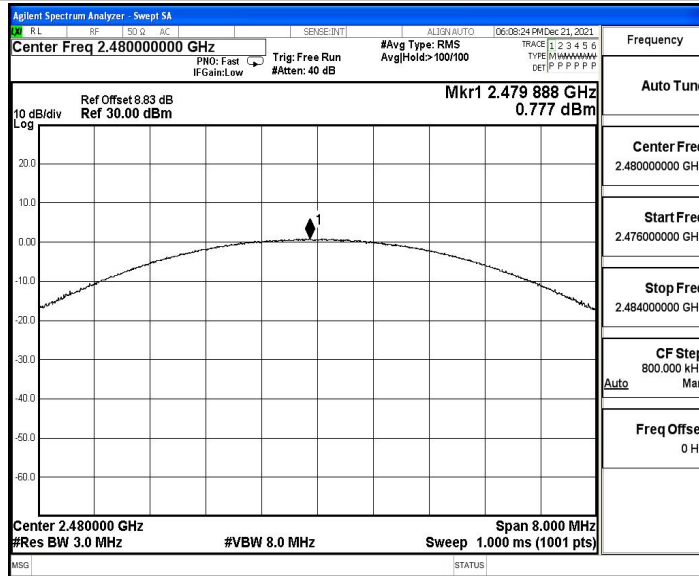


2DH5\_Ant1\_2441

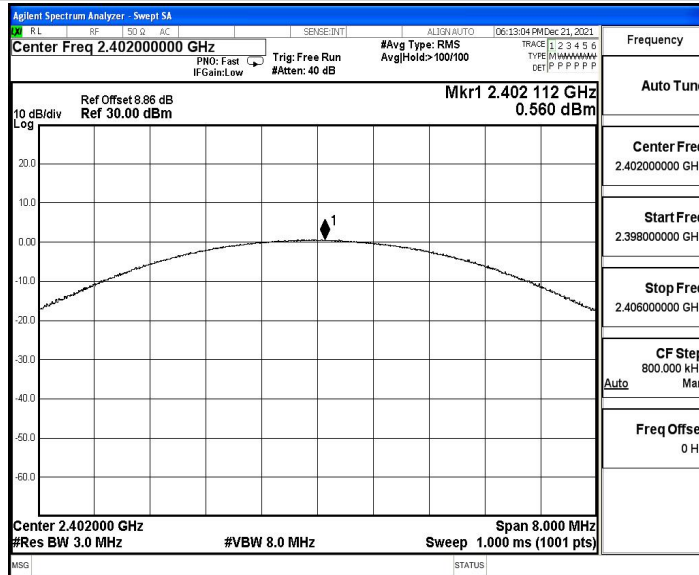




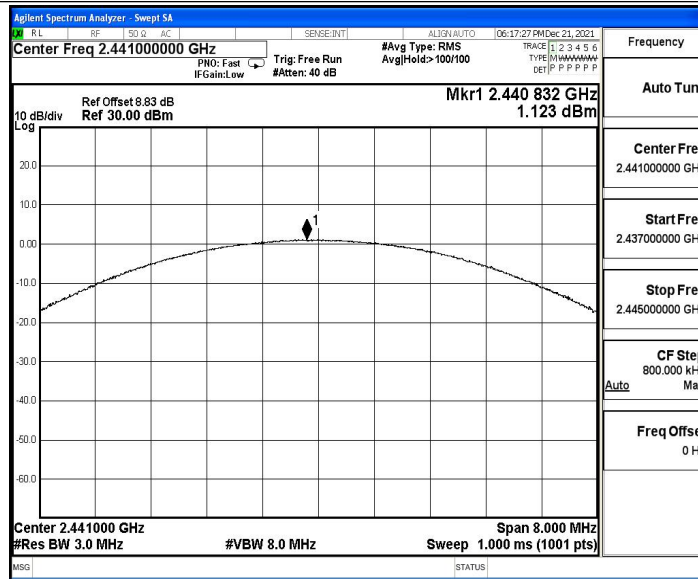
### 2DH5\_Ant1\_2480



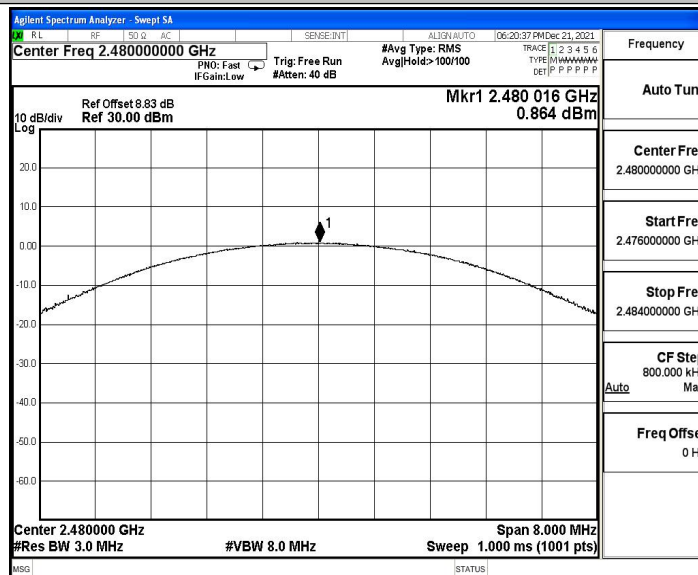
### 3DH5\_Ant1\_2402



### 3DH5\_Ant1\_2441



3DH5\_Ant1\_2480





### A.3 Carrier frequency separation

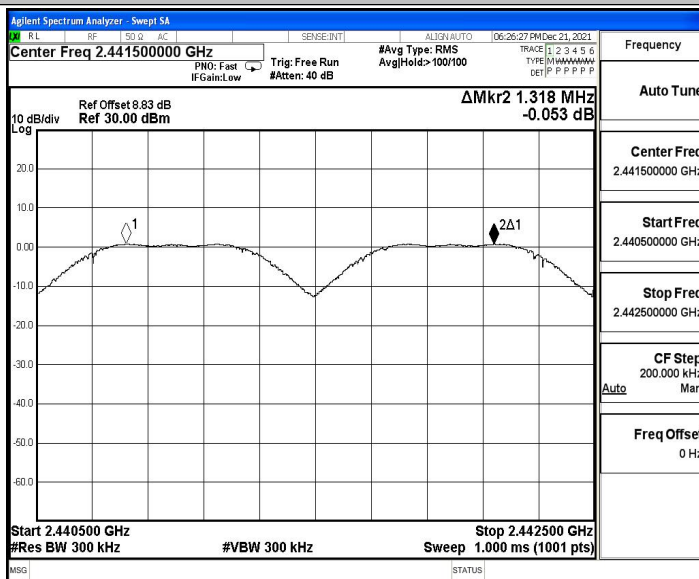
#### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.318	$\geq 0.879$	PASS
2DH5	Ant1	Hop	0.978	$\geq 0.862$	PASS
3DH5	Ant1	Hop	0.98	$\geq 0.872$	PASS

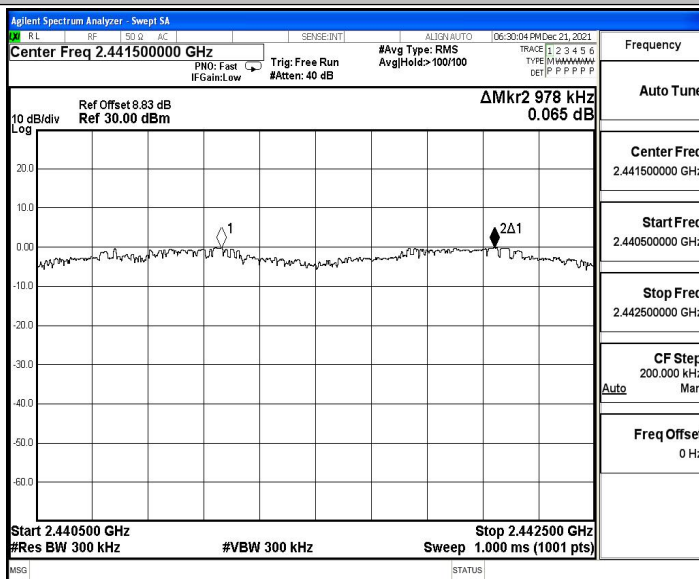


### Test Graphs

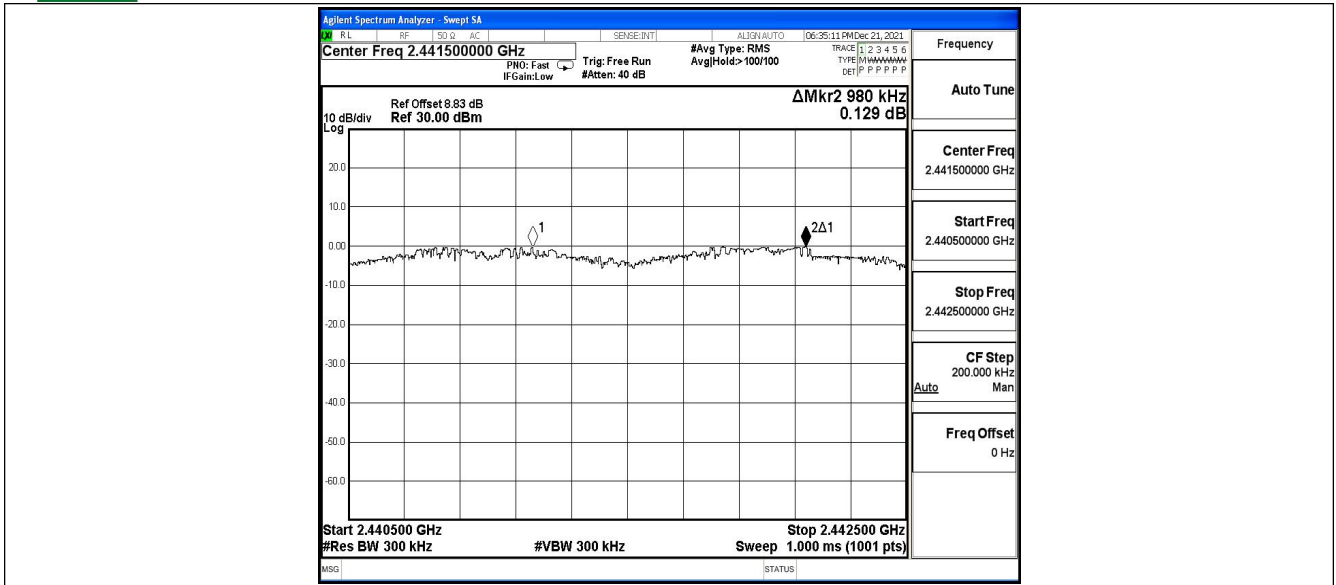
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop





## A.4 Time of occupancy

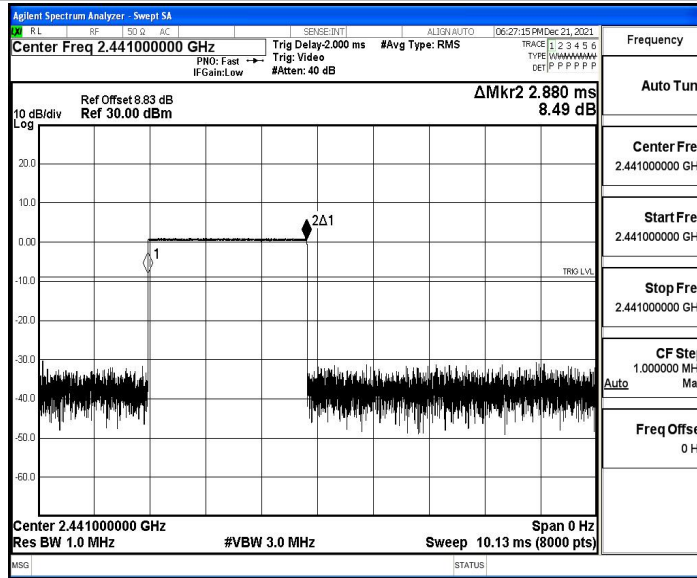
### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

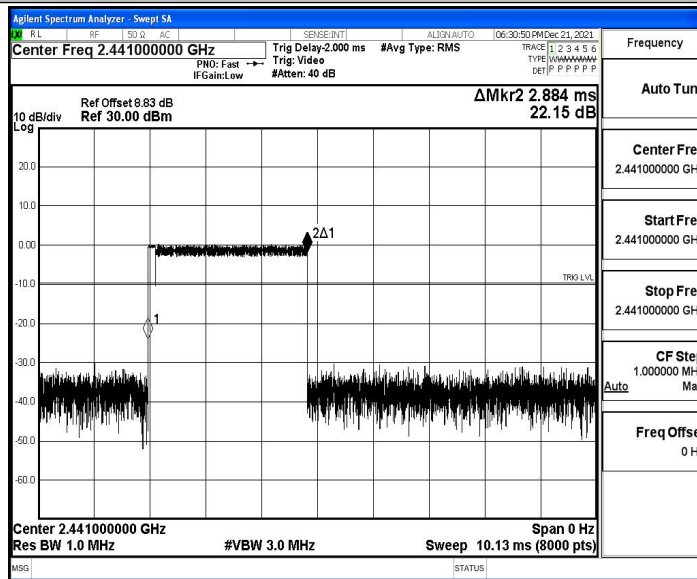


### Test Graphs

DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop







## A.5 Number of hopping channels

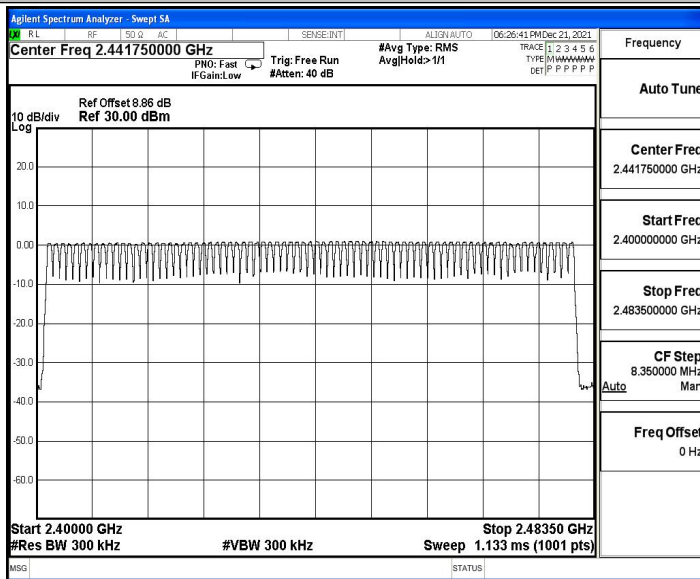
### Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

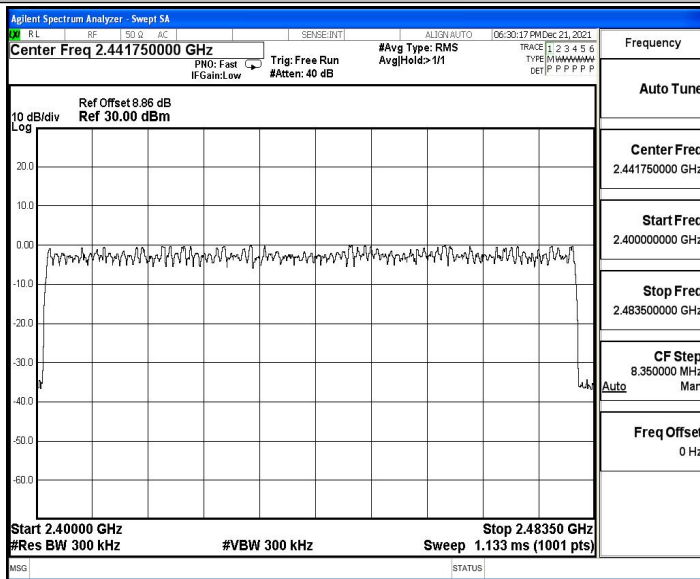


### Test Graphs

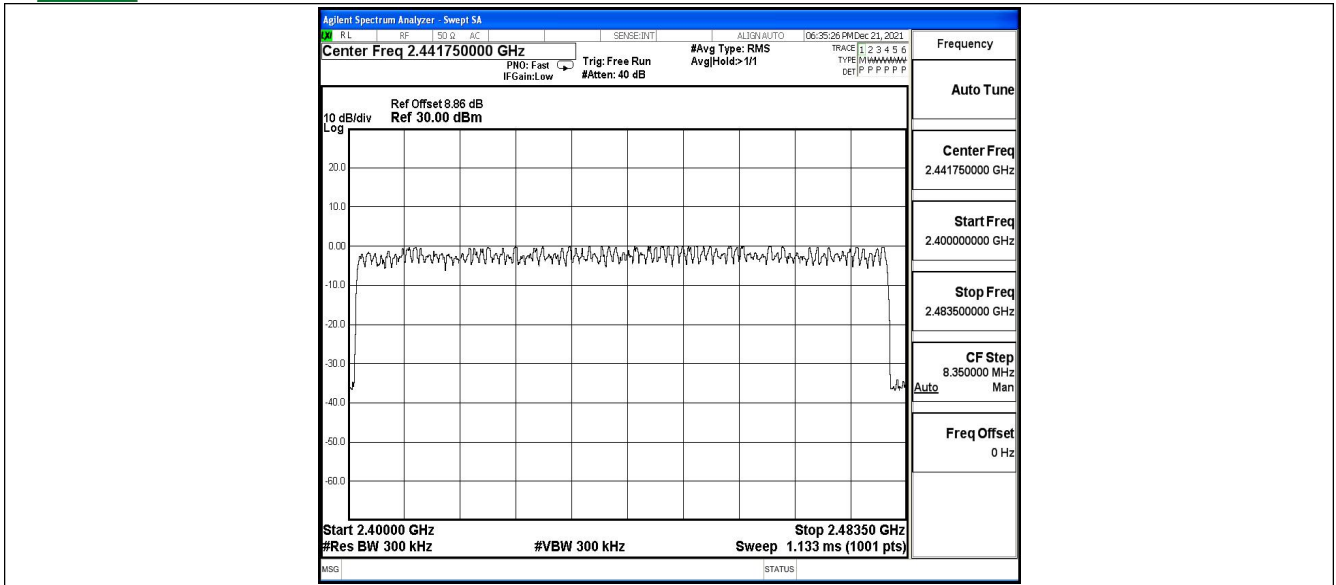
#### DH5\_Ant1\_Hop



#### 2DH5\_Ant1\_Hop



#### 3DH5\_Ant1\_Hop





## A.6 Band edge measurements

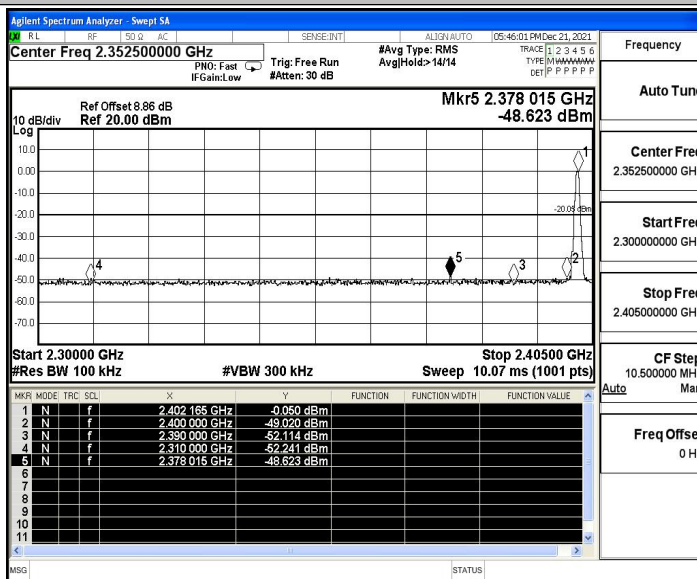
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.05	-48.62	$\leq -20.05$	PASS
		High	2480	0.39	-47.88	$\leq -19.61$	PASS
		Low	Hop_2402	-0.44	-49.17	$\leq -20.44$	PASS
		High	Hop_2480	0.05	-47.4	$\leq -19.95$	PASS
2DH5	Ant1	Low	2402	-4.24	-48.39	$\leq -24.24$	PASS
		High	2480	-0.49	-47.94	$\leq -20.49$	PASS
		Low	Hop_2402	-5.20	-49.16	$\leq -25.2$	PASS
		High	Hop_2480	-1.60	-47.24	$\leq -21.6$	PASS
3DH5	Ant1	Low	2402	-0.70	-46.76	$\leq -20.7$	PASS
		High	2480	-0.50	-47.99	$\leq -20.5$	PASS
		Low	Hop_2402	-4.52	-49.11	$\leq -24.52$	PASS
		High	Hop_2480	-0.66	-47.87	$\leq -20.66$	PASS

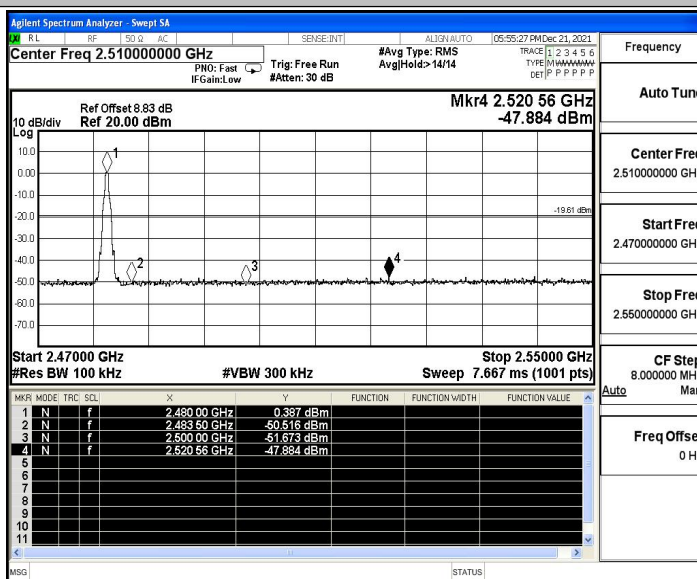


### Test Graphs

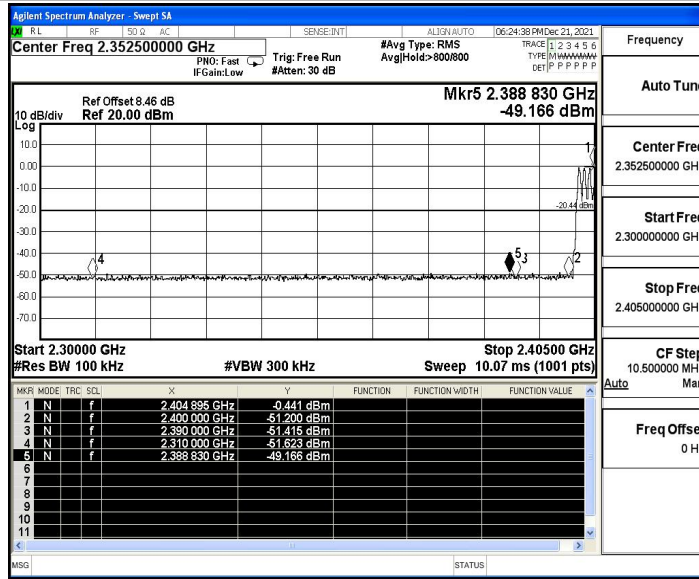
#### DH5\_Ant1\_Low\_2402



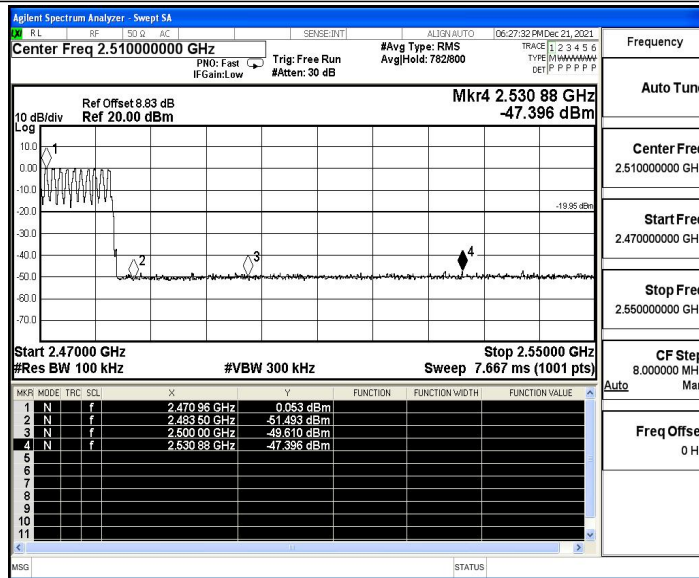
#### DH5\_Ant1\_High\_2480



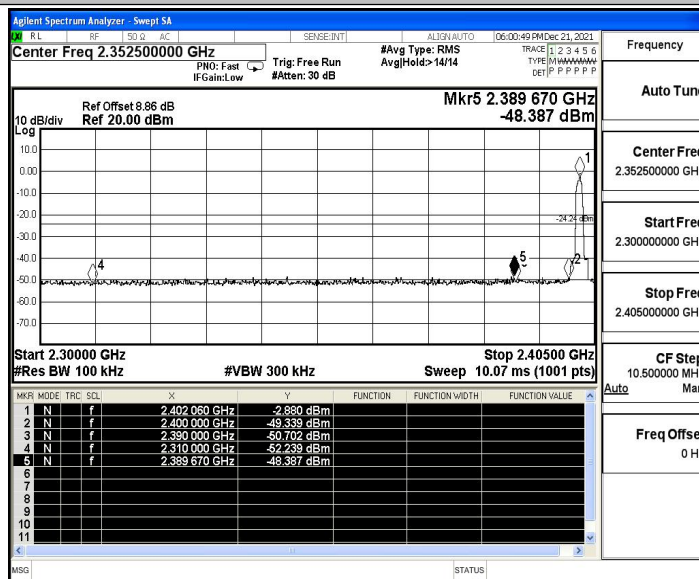
#### DH5\_Ant1\_Low\_Hop\_2402



DH5\_Ant1\_High\_Hop\_2480

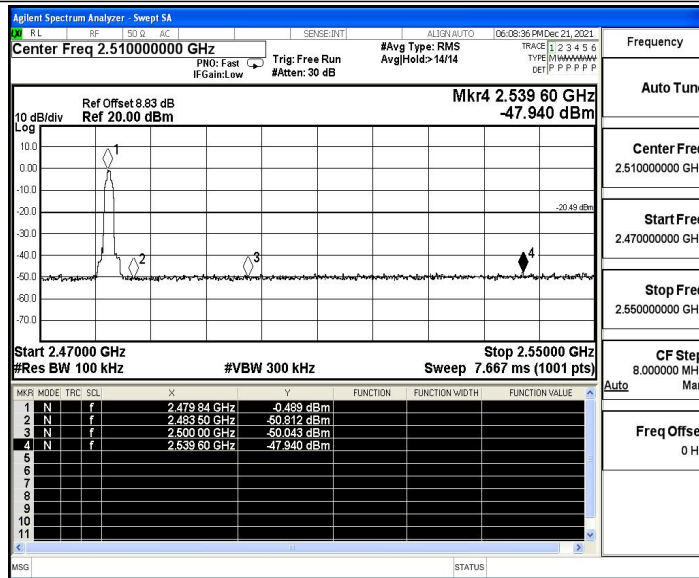


2DH5\_Ant1\_Low\_2402

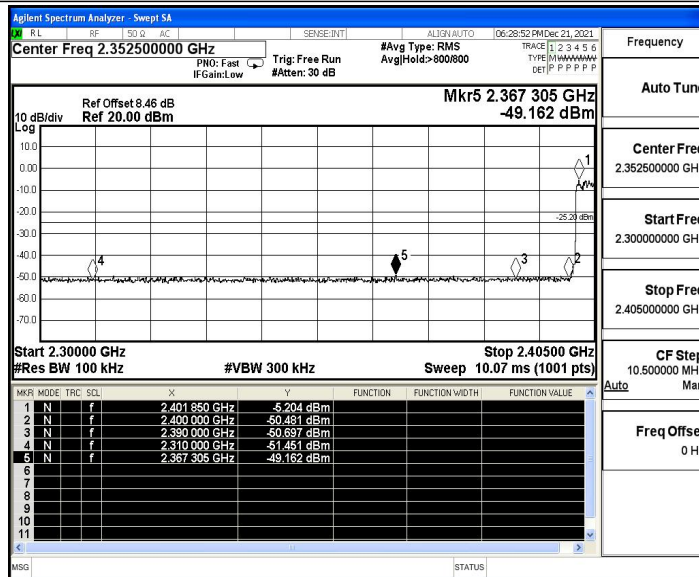




2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop\_2402



2DH5\_Ant1\_High\_Hop\_2480