

RF Test Data for Bluetooth (BDR+EDR) (Conducted Measurements)

General Description of EUT	
Product Name:	Wireless headphones
Test Model:	B06
Sample ID:	RW-C-202301-0062-3-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202301-0062-4	

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1. 20dB Emission Bandwidth

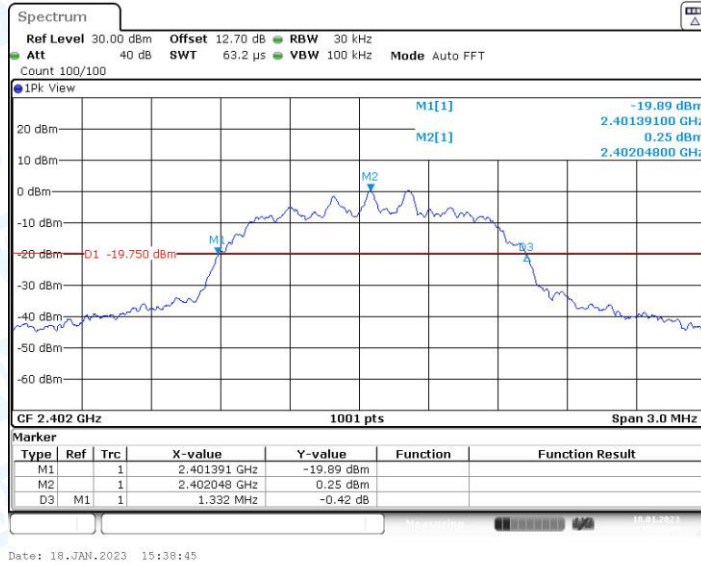
1.1. Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.03	---	---
		2441	1.04	---	---
		2480	1.04	---	---
2DH5	Ant1	2402	1.33	---	---
		2441	1.33	---	---
		2480	1.34	---	---
3DH5	Ant1	2402	1.30	---	---
		2441	1.30	---	---
		2480	1.29	---	---

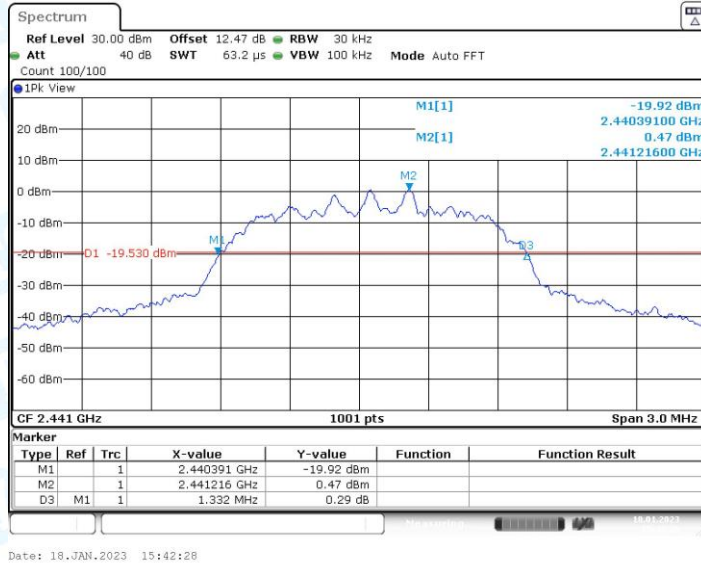
1.2. Test Graphs



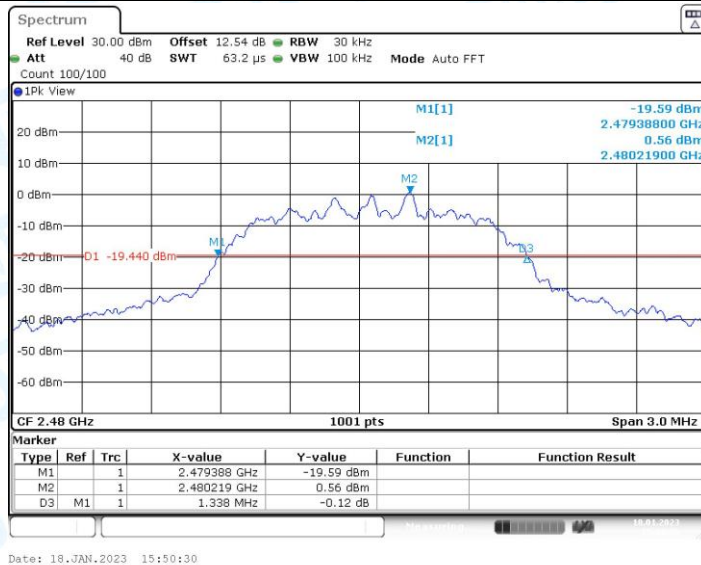
2DH5_Ant1_2402



2DH5_Ant1_2441



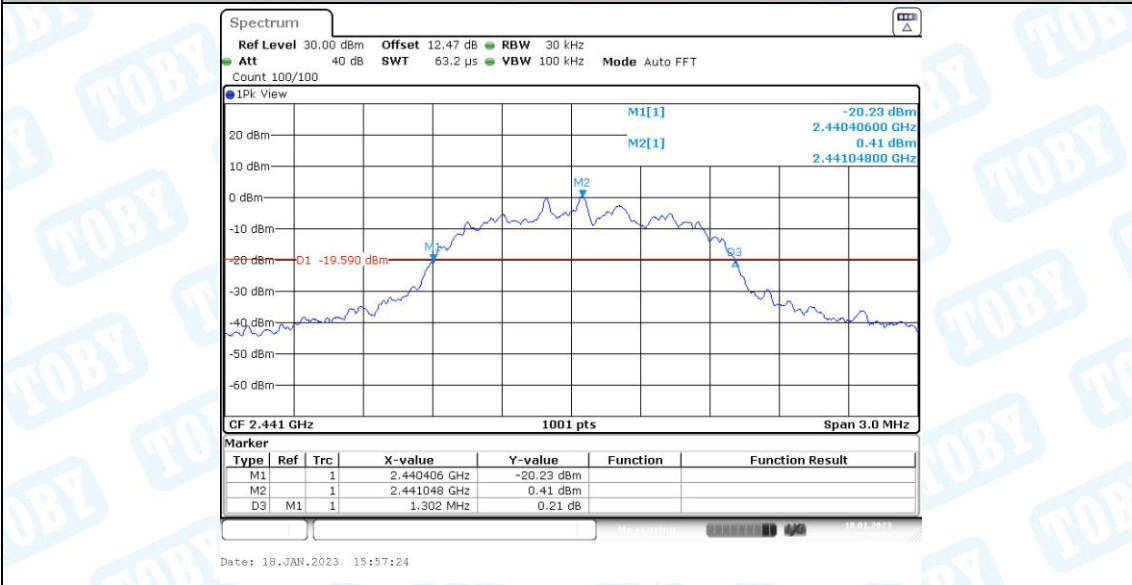
2DH5_Ant1_2480



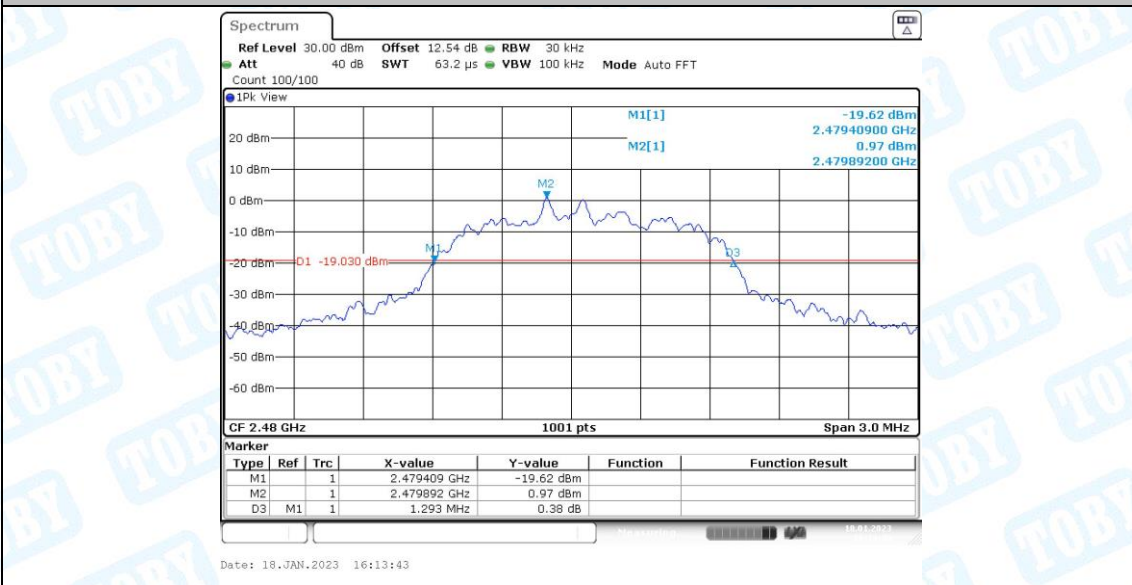
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



2. Occupied Channel Bandwidth

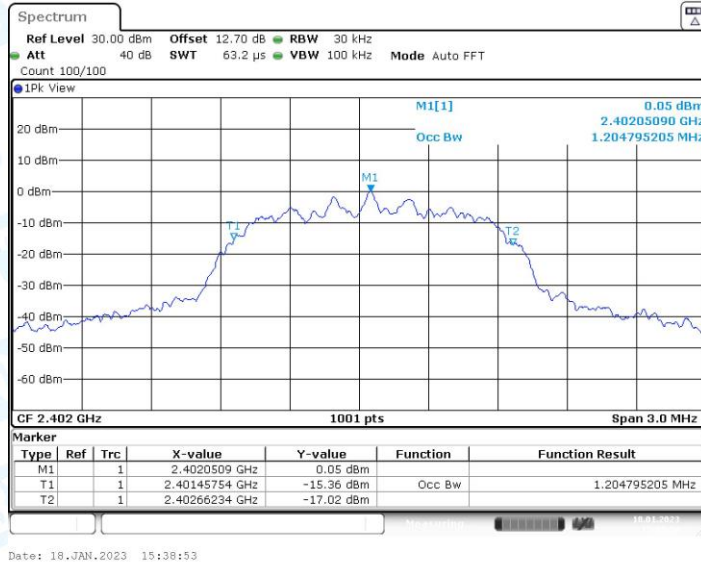
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.926	2401.5924	2402.5185	---	---
		2441	0.932	2440.5834	2441.5155	---	---
		2480	0.944	2479.5804	2480.5245	---	---
2DH5	Ant1	2402	1.205	2401.4575	2402.6623	---	---
		2441	1.211	2440.4545	2441.6653	---	---
		2480	1.217	2479.4545	2480.6713	---	---
3DH5	Ant1	2402	1.205	2401.4486	2402.6533	---	---
		2441	1.205	2440.4515	2441.6563	---	---
		2480	1.202	2479.4545	2480.6563	---	---

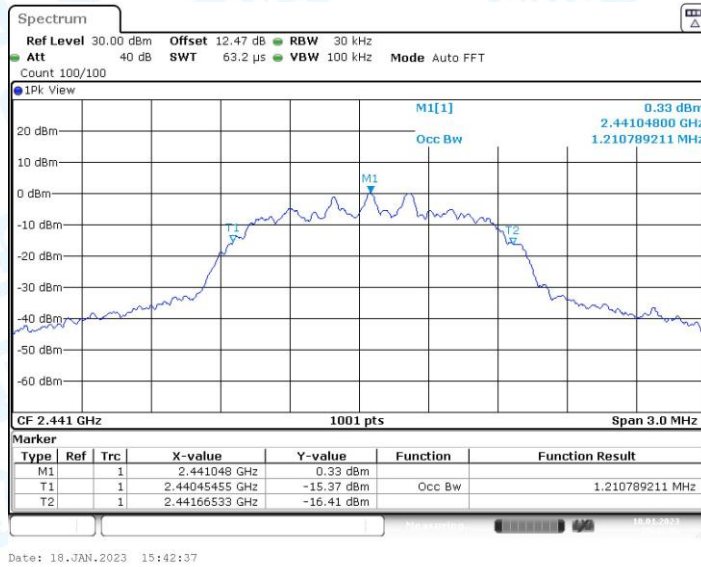
2.2. Test Graphs



2DH5_Ant1_2402



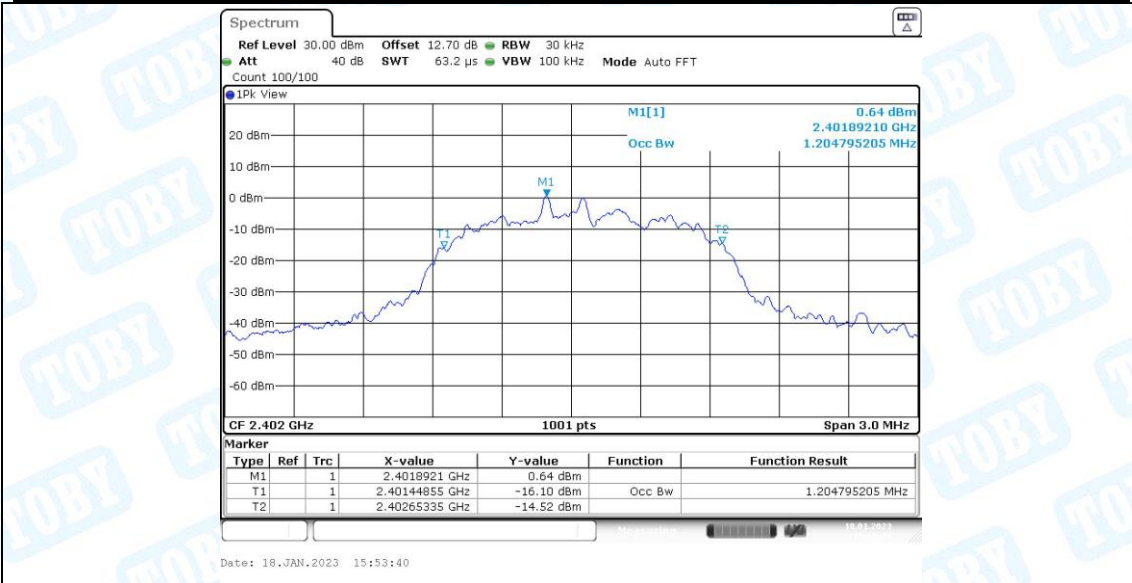
2DH5_Ant1_2441



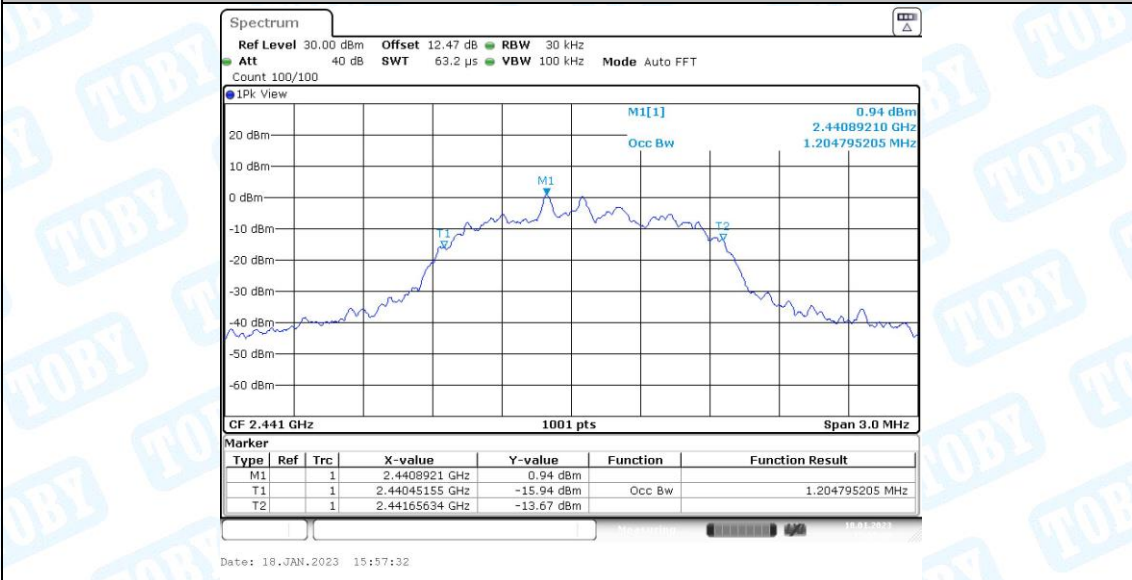
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



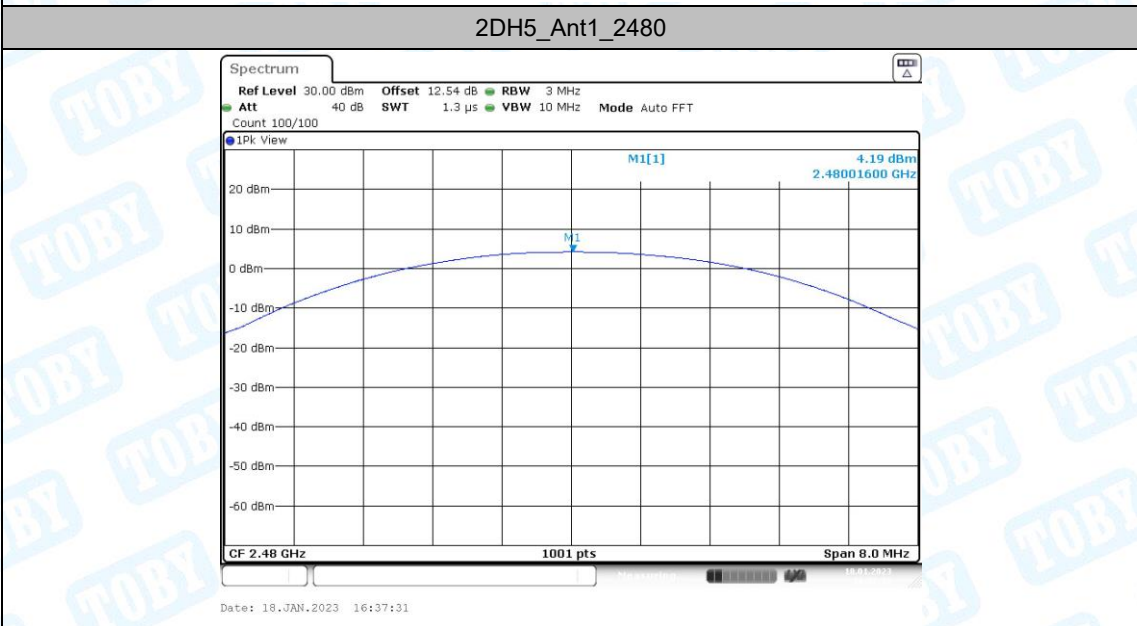
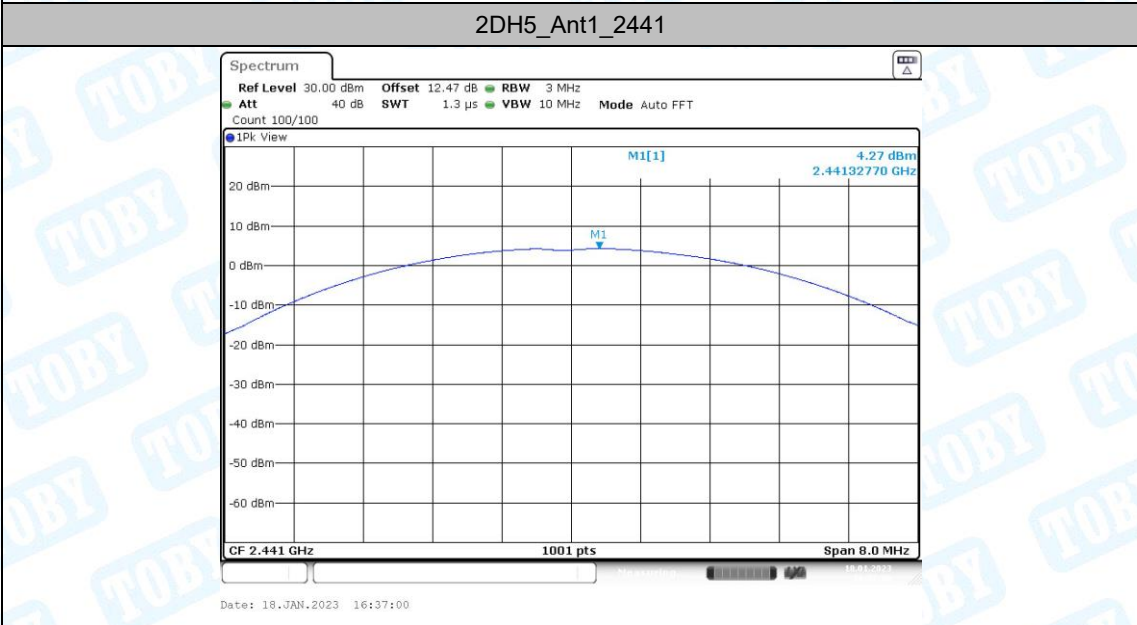
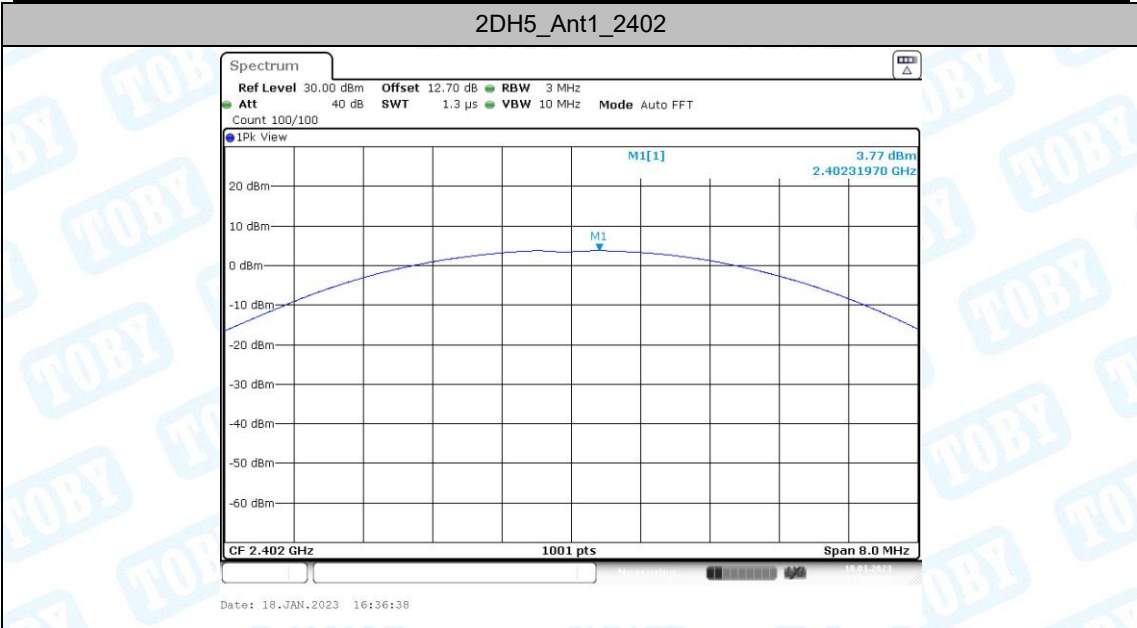
3. Maximum conducted output power

3.1. Test Result

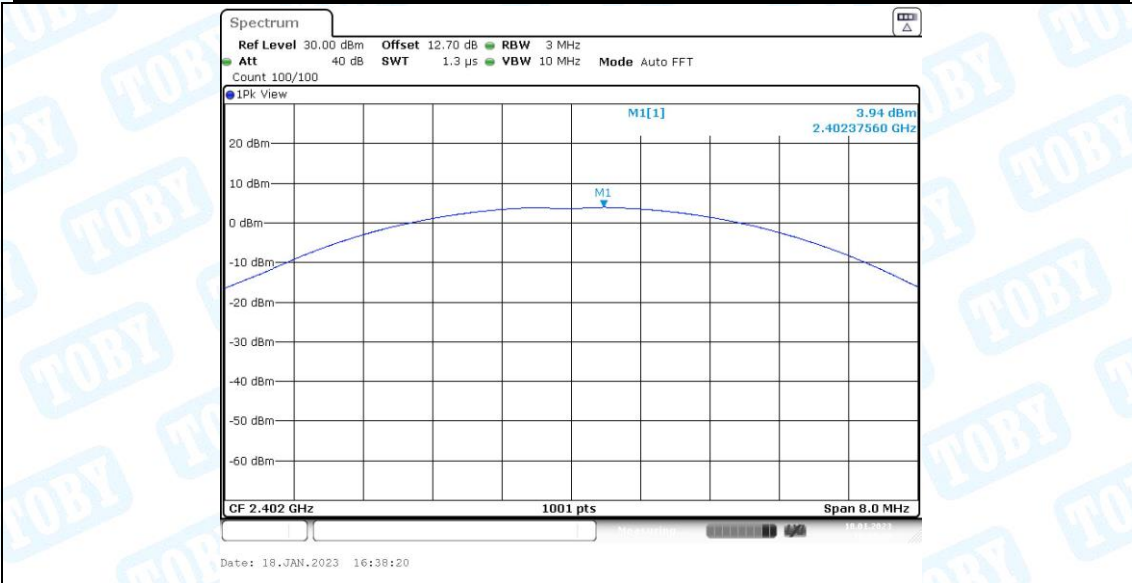
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.32	≤21	PASS
		2441	3.62	≤21	PASS
		2480	3.77	≤21	PASS
2DH5	Ant1	2402	3.77	≤21	PASS
		2441	4.27	≤21	PASS
		2480	4.19	≤21	PASS
3DH5	Ant1	2402	3.94	≤21	PASS
		2441	4.13	≤21	PASS
		2480	4.66	≤21	PASS

3.2. Test Graphs

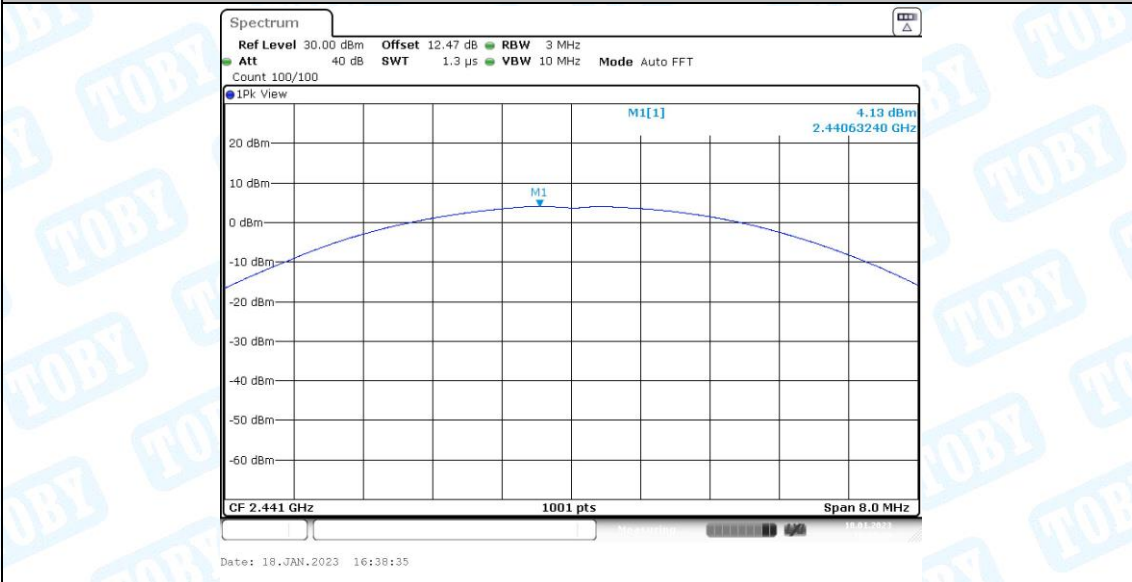




3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



4. Carrier frequency separation

4.1. Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.113	≥ 1.040	PASS
2DH5	Ant1	Hop	1.267	≥ 0.893	PASS
3DH5	Ant1	Hop	1.023	≥ 0.867	PASS

4.2. Test Graphs

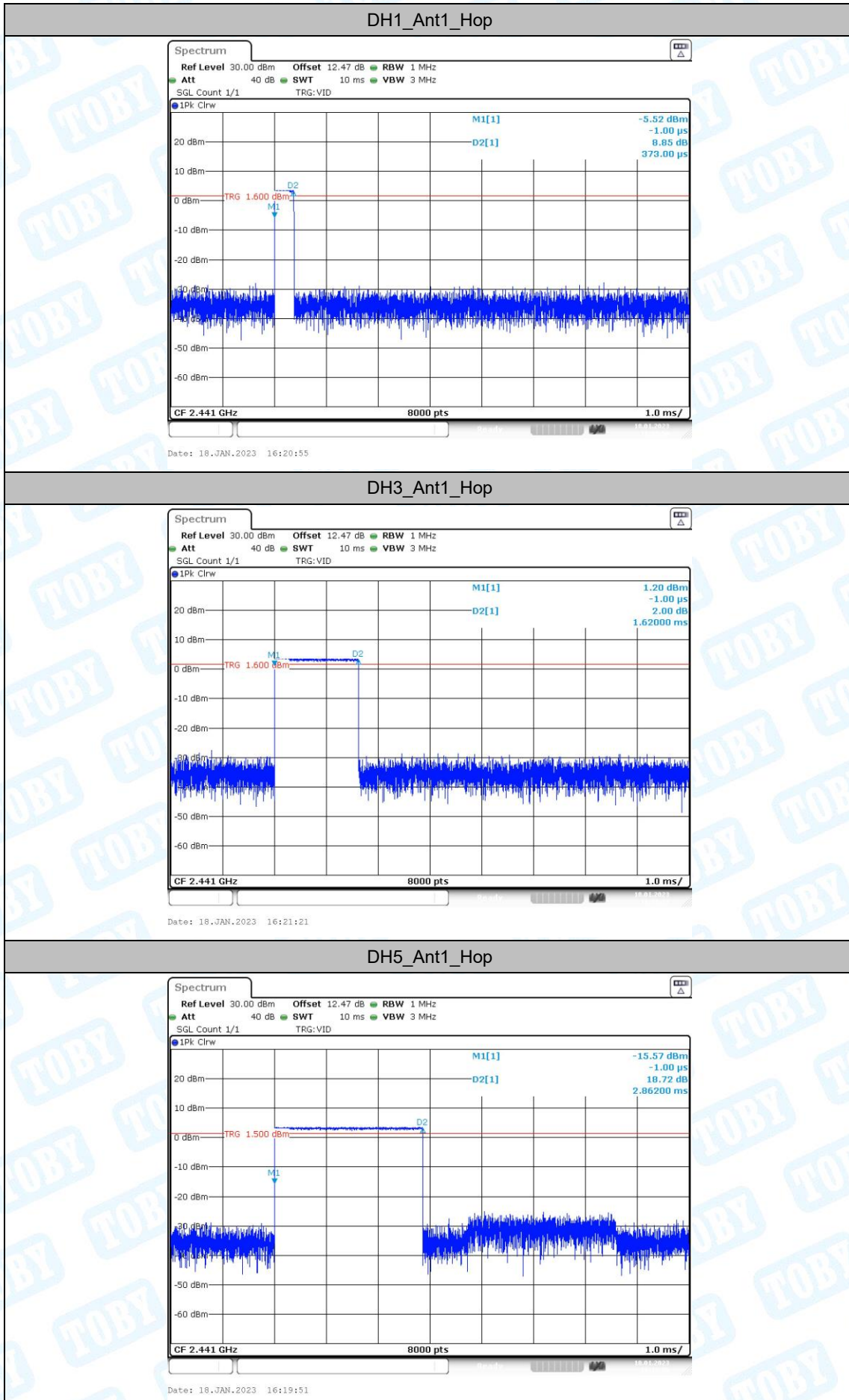


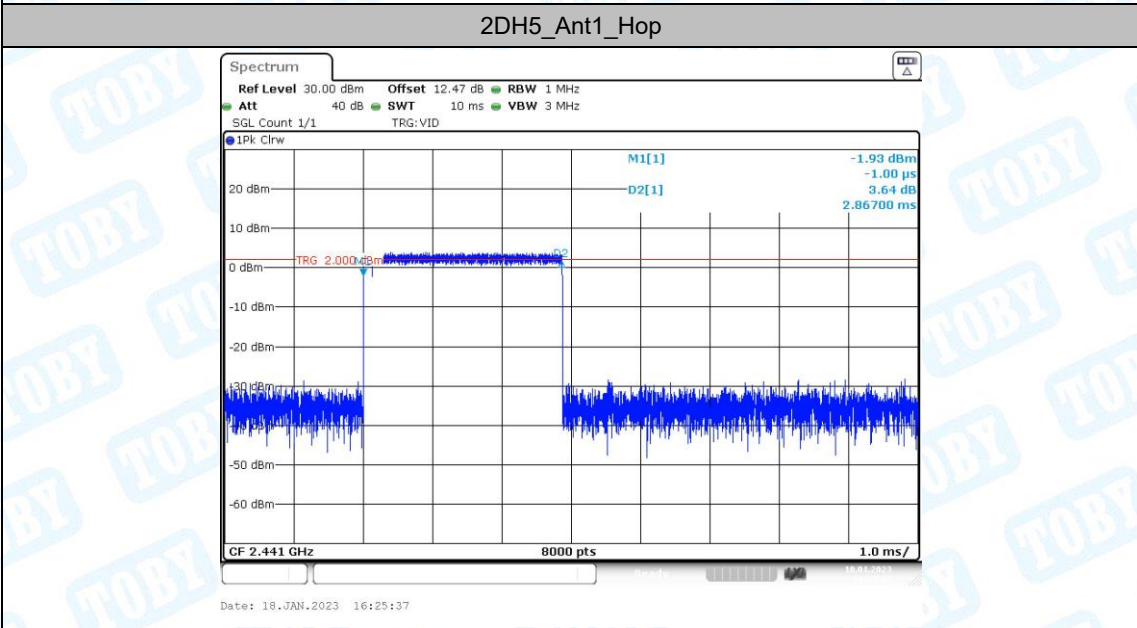
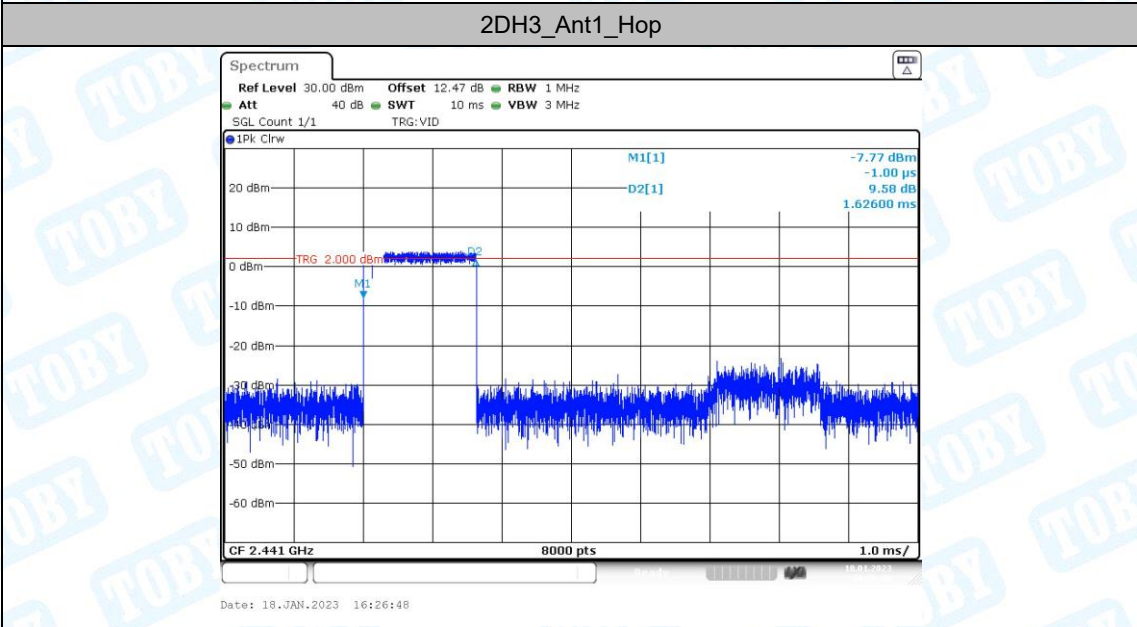
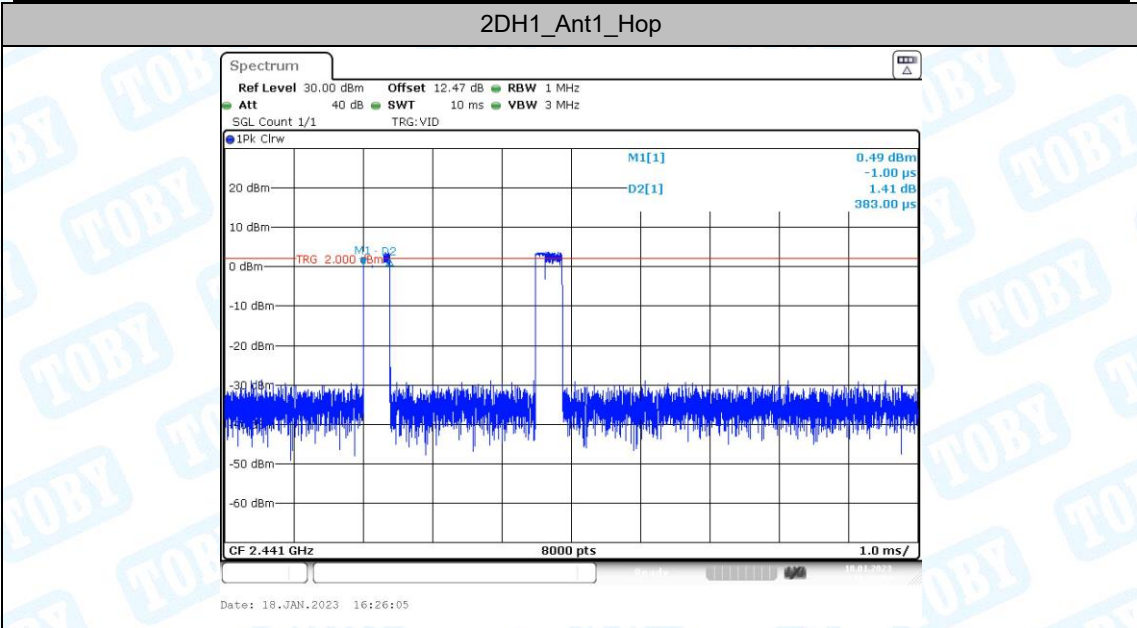
5. Time of occupancy

5.1. Test Result

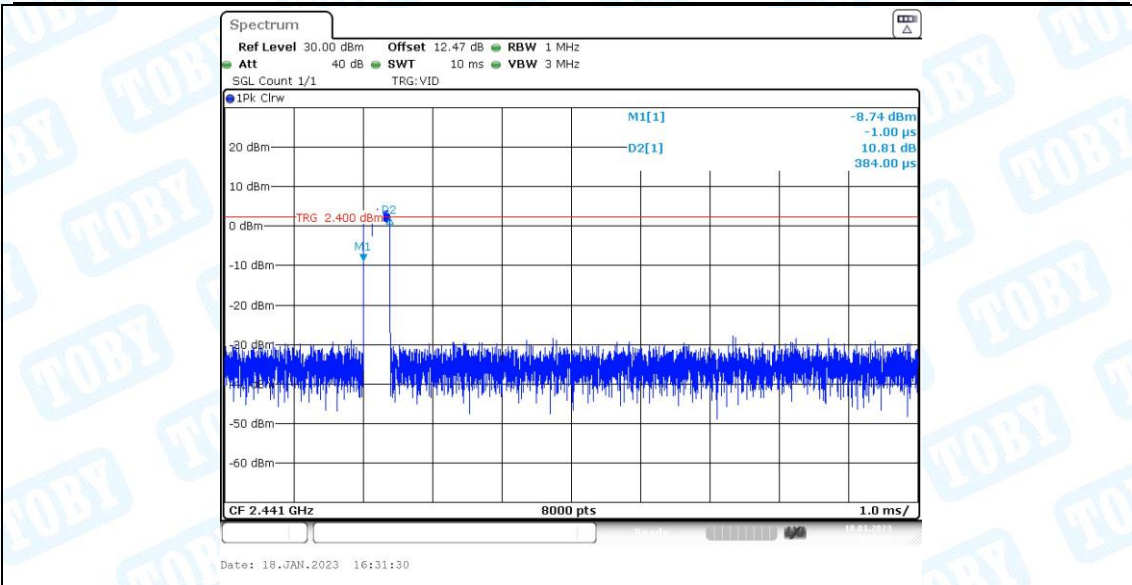
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.373	320	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.862	106.67	0.305	≤0.4	PASS
2DH1	Ant1	Hop	0.383	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.867	106.67	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.625	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.869	106.67	0.306	≤0.4	PASS

5.2. Test Graphs

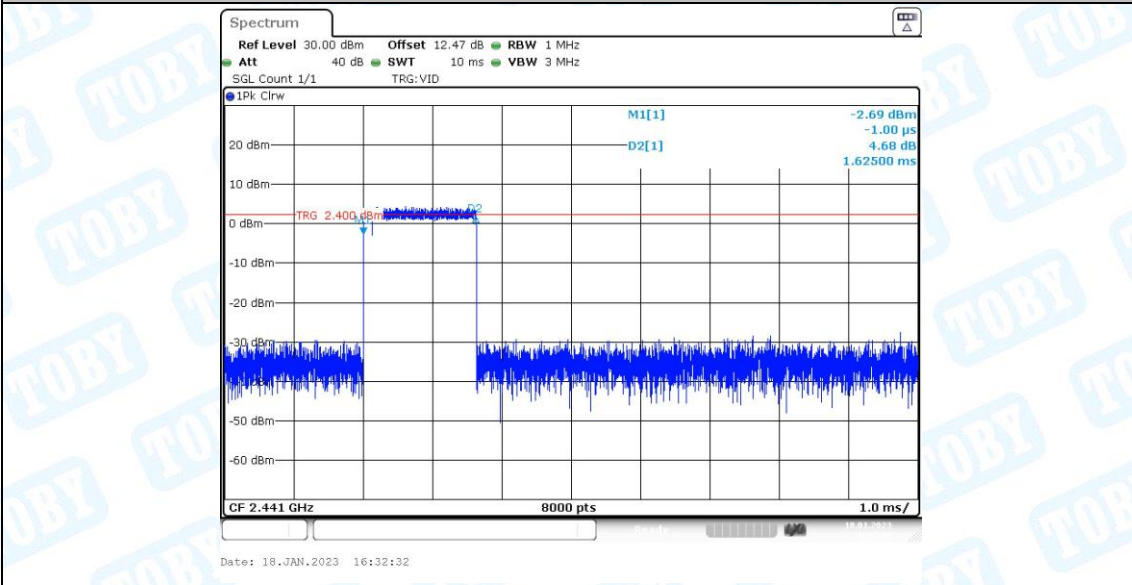




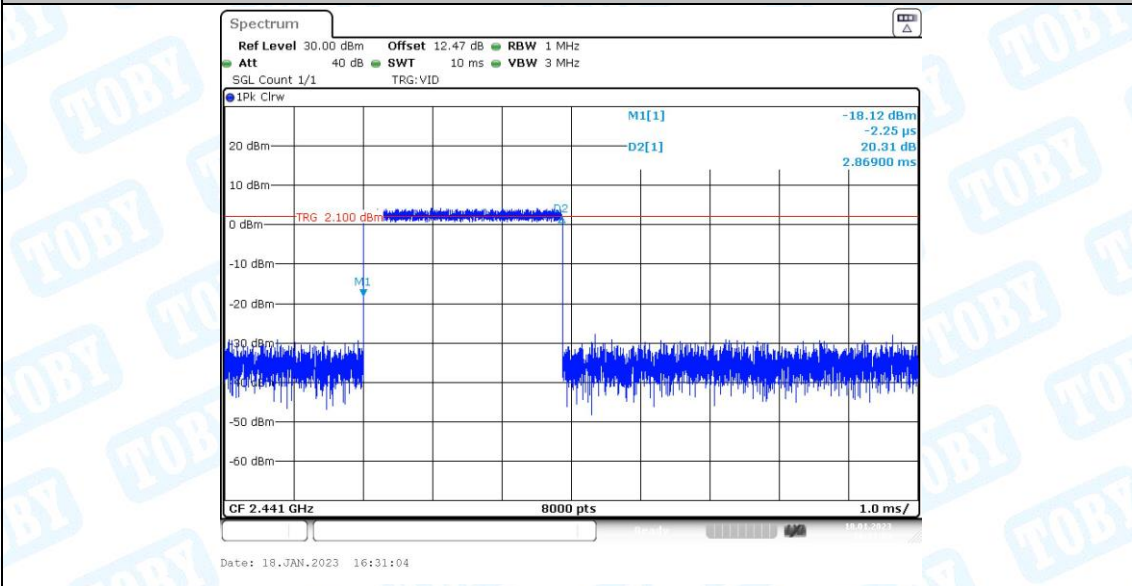
3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop

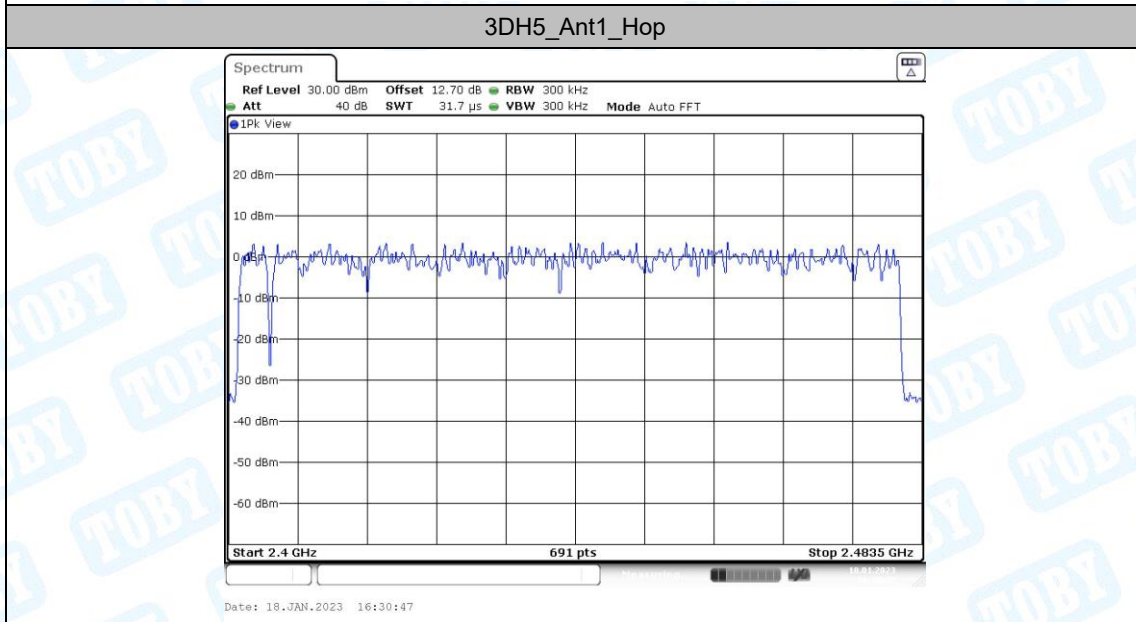
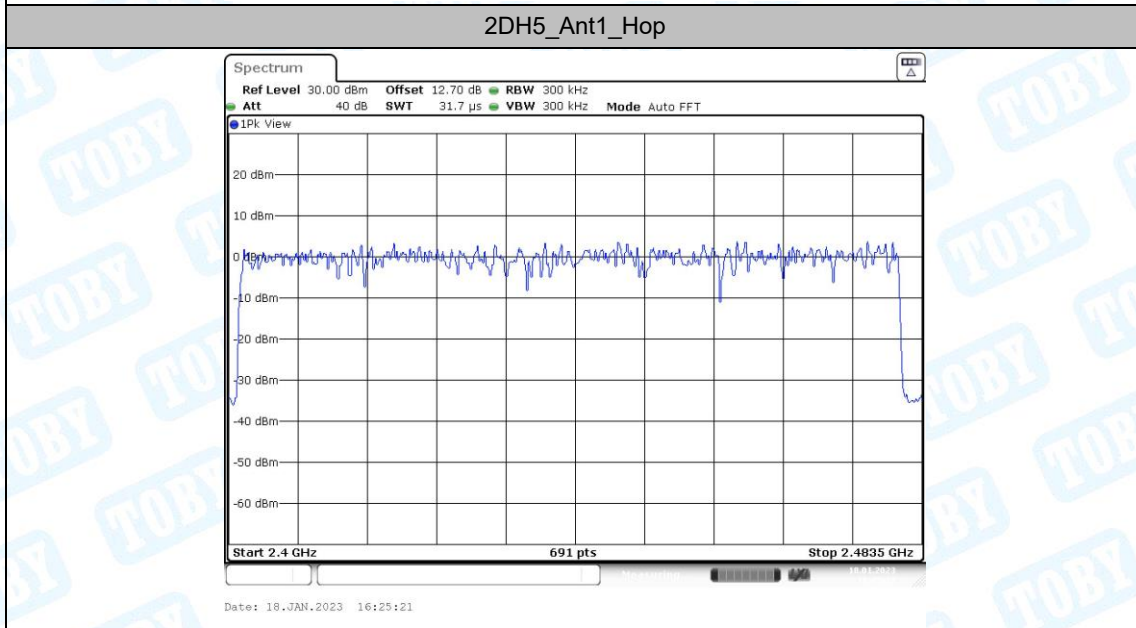
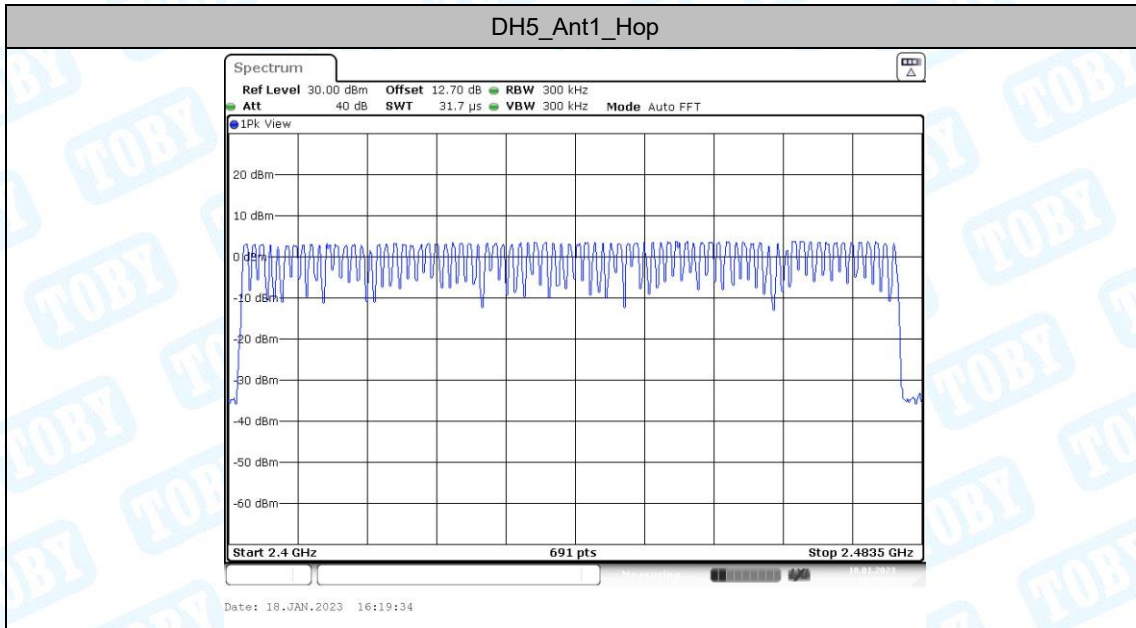


6. Number of hopping channels

6.1. 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

6.2. Test Graphs

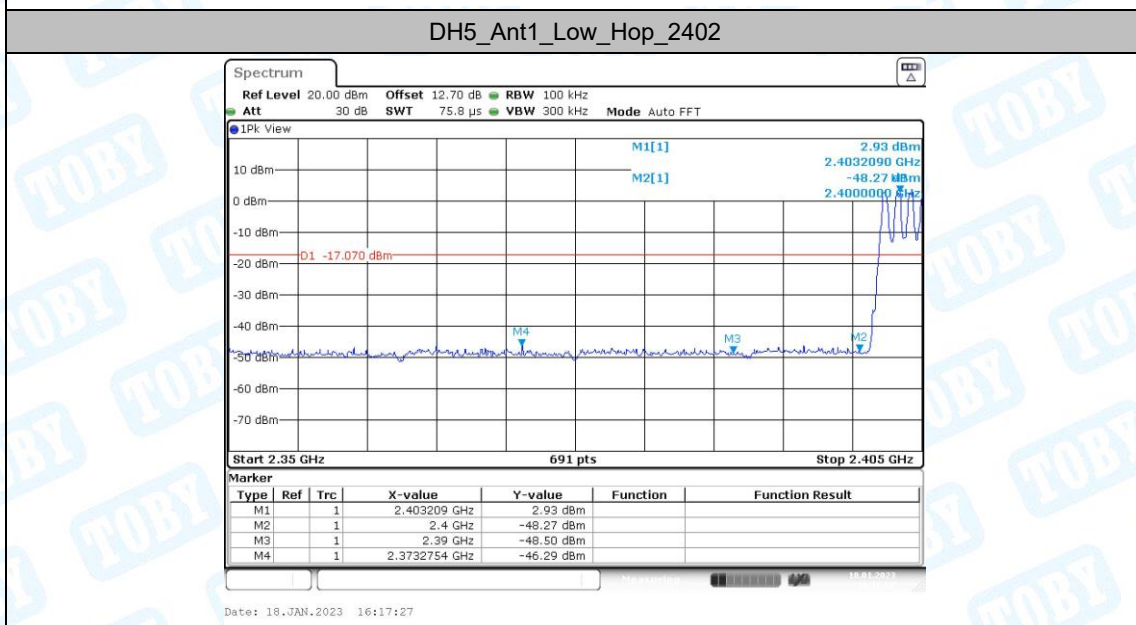
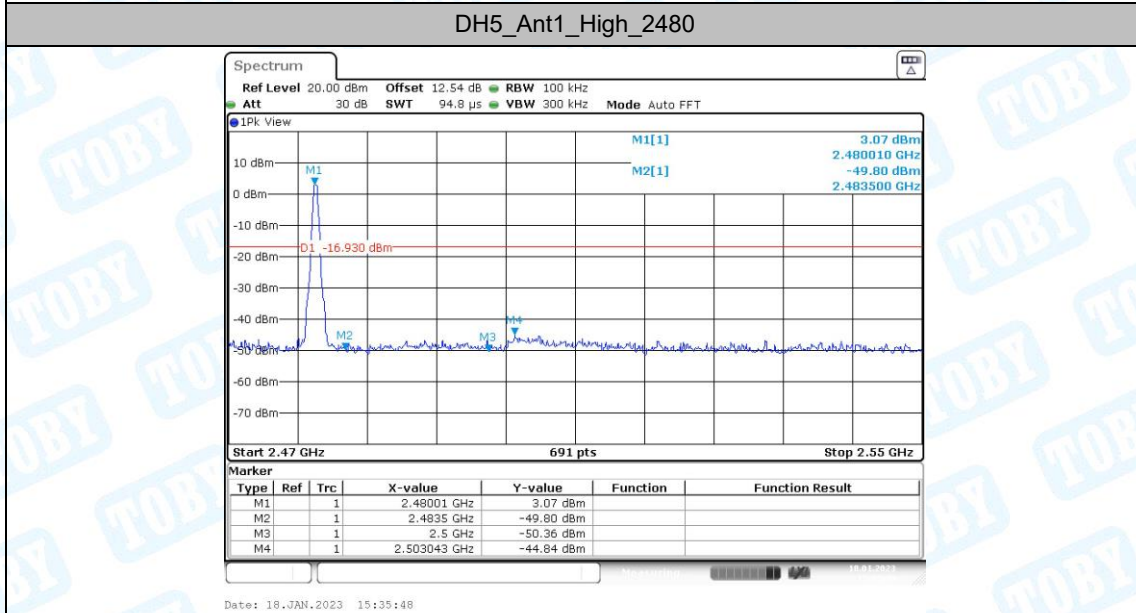
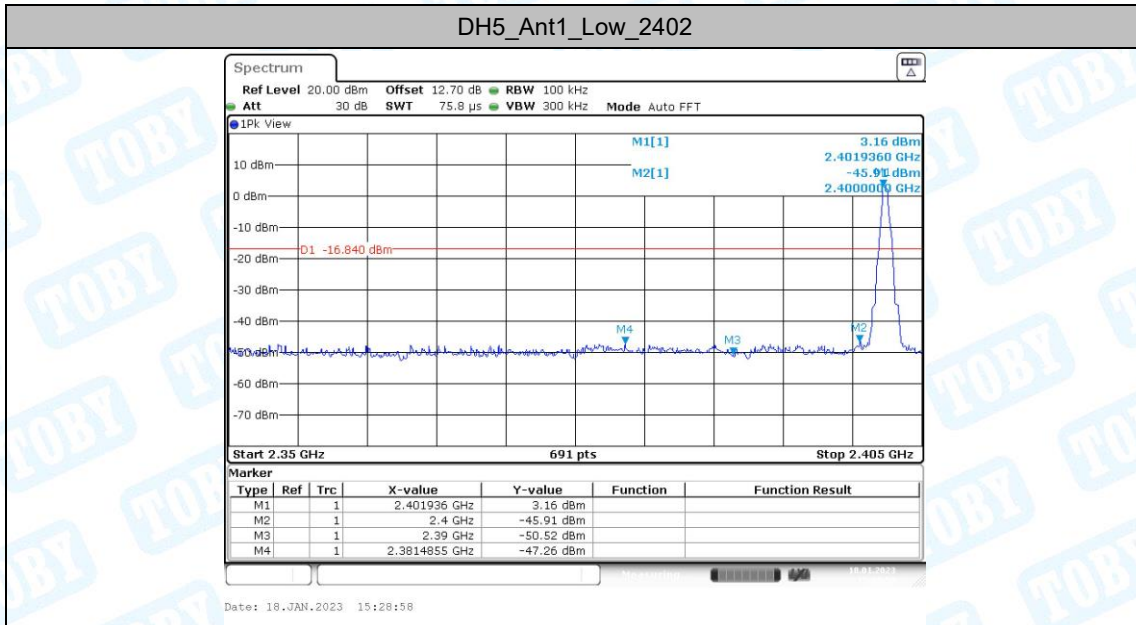


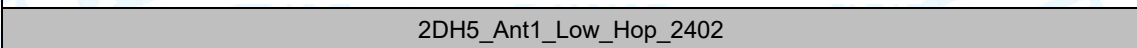
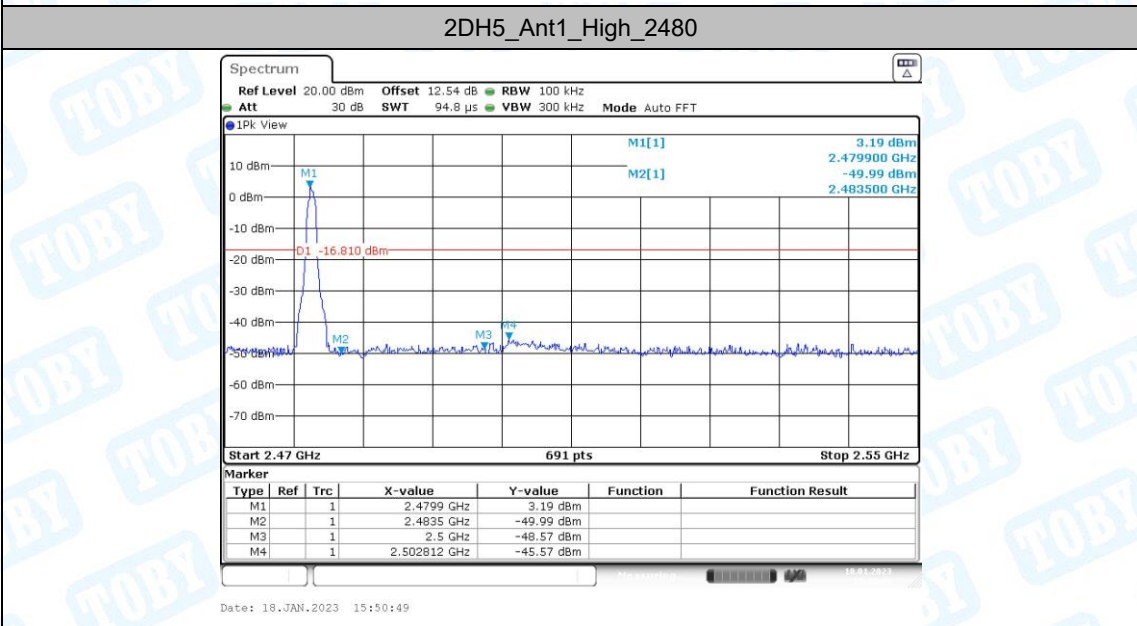
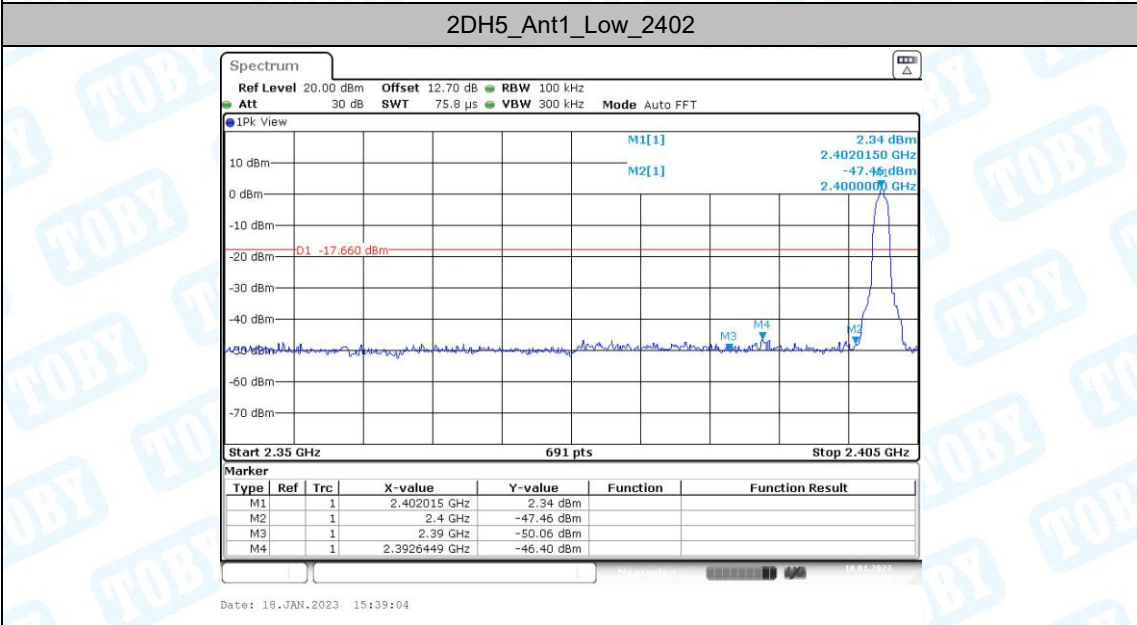
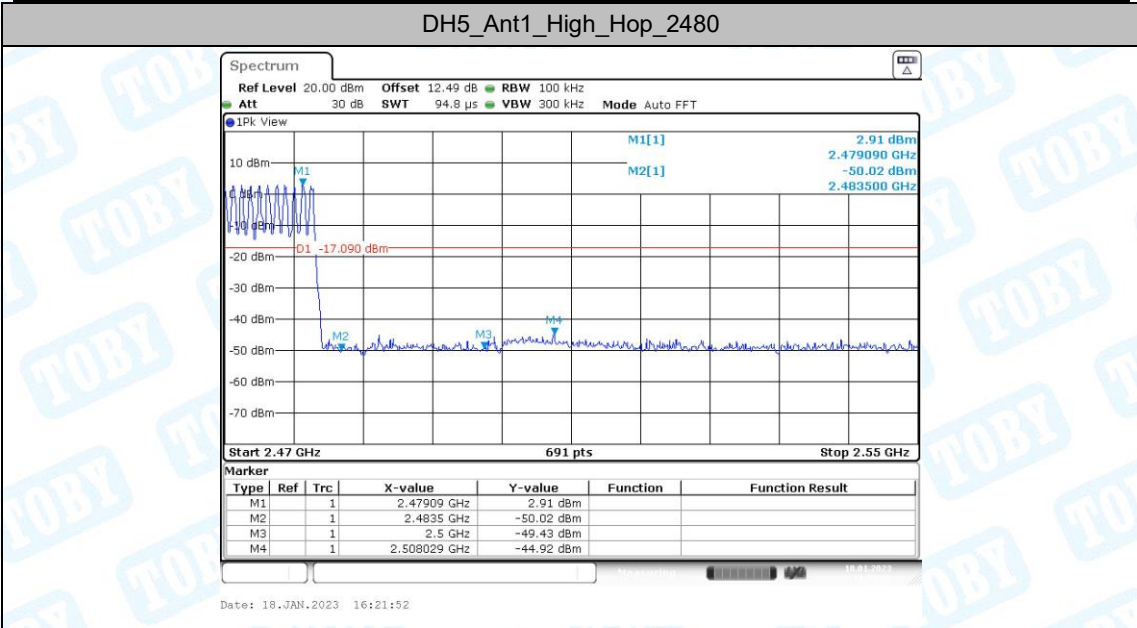
7. Band edge measurements

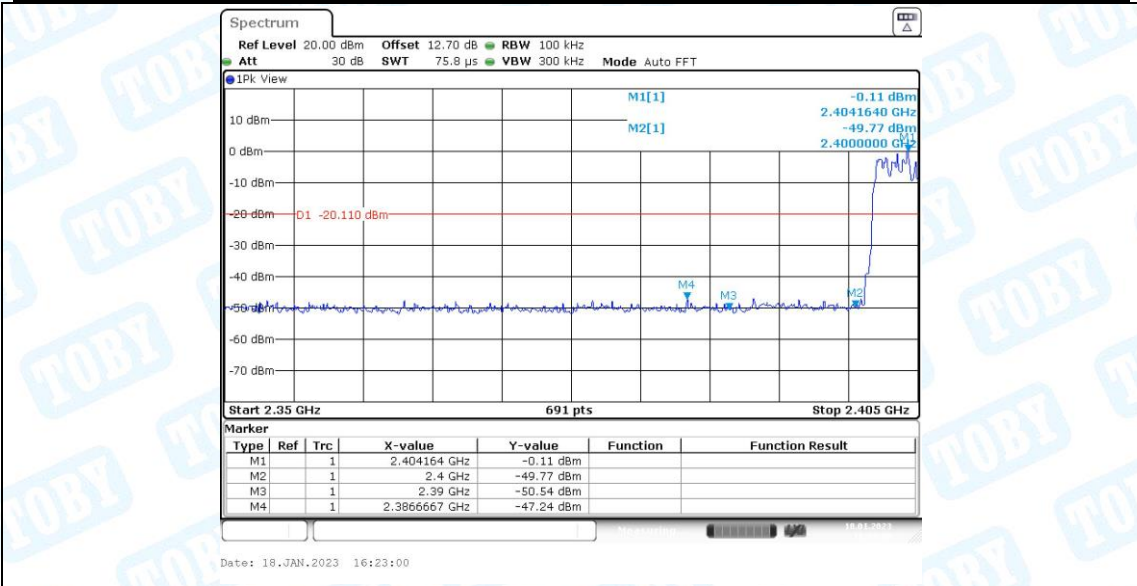
7.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.16	-47.26	≤-16.84	PASS
		High	2480	3.07	-44.84	≤-16.93	PASS
		Low	Hop_2402	2.93	-46.29	≤-17.07	PASS
		High	Hop_2480	2.91	-44.92	≤-17.09	PASS
2DH5	Ant1	Low	2402	2.34	-46.4	≤-17.66	PASS
		High	2480	3.19	-45.57	≤-16.81	PASS
		Low	Hop_2402	-0.11	-47.24	≤-20.11	PASS
		High	Hop_2480	2.00	-45.08	≤-18	PASS
3DH5	Ant1	Low	2402	3.16	-46.11	≤-16.84	PASS
		High	2480	3.42	-45.19	≤-16.58	PASS
		Low	Hop_2402	1.01	-46.93	≤-18.99	PASS
		High	Hop_2480	2.36	-44.99	≤-17.64	PASS

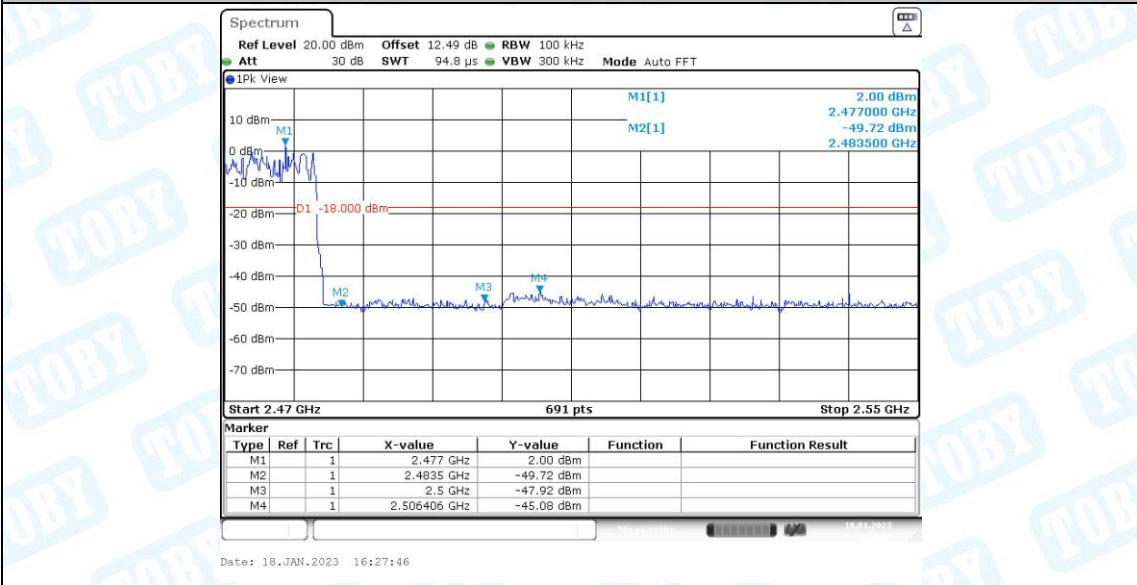
7.2. Test Graphs



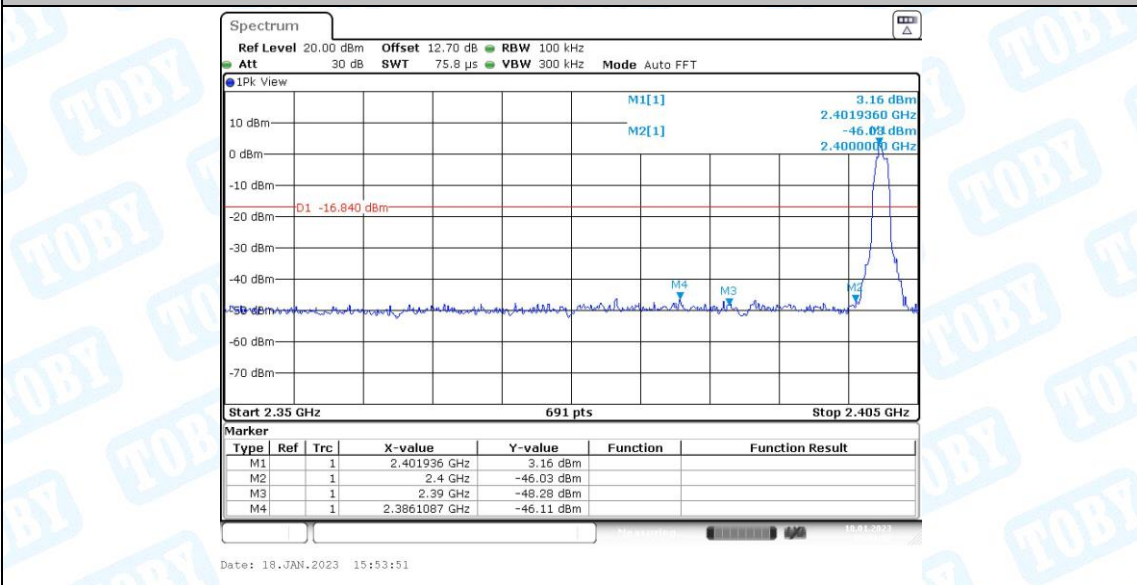




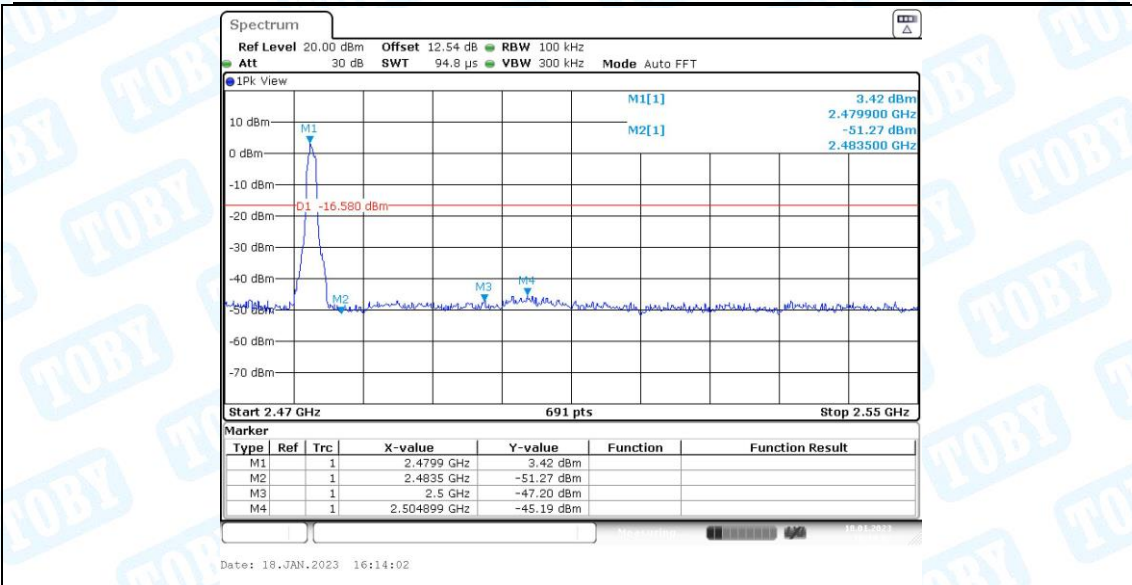
2DH5_Ant1_High_Hop_2480



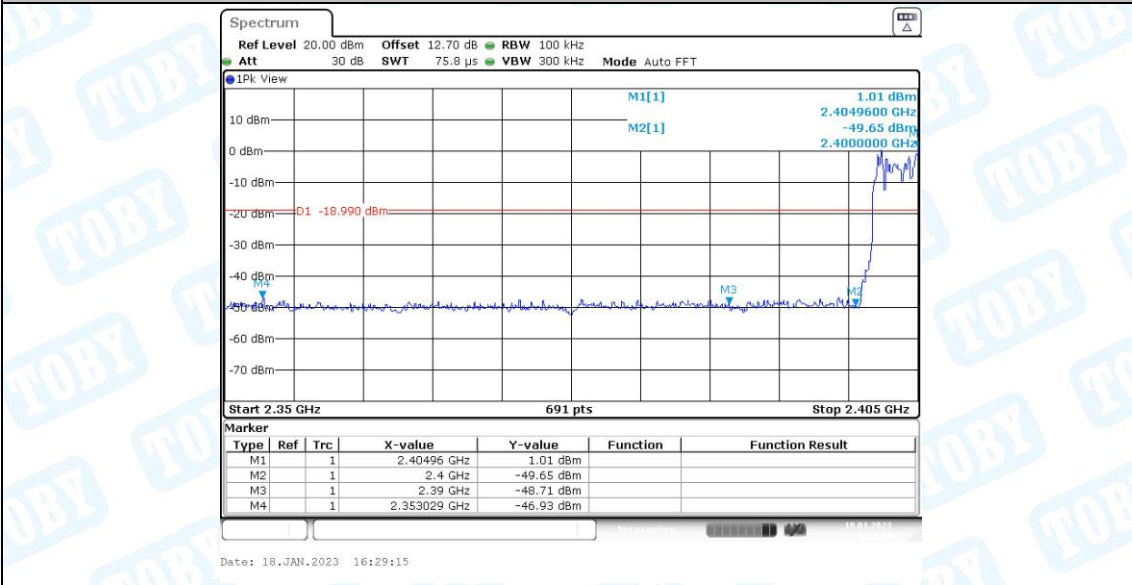
3DH5_Ant1_Low_2402



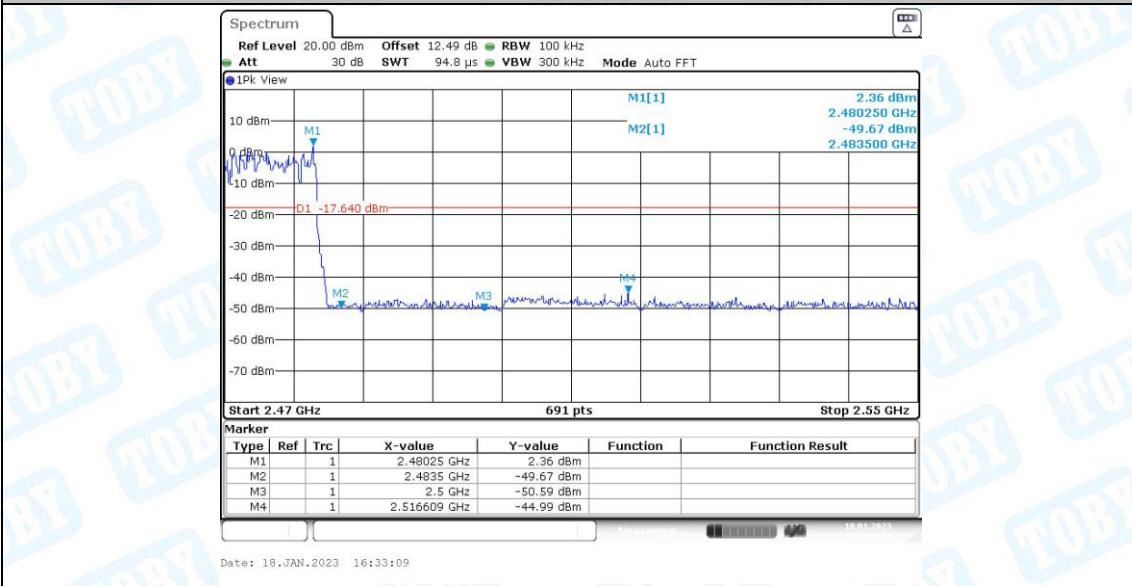
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

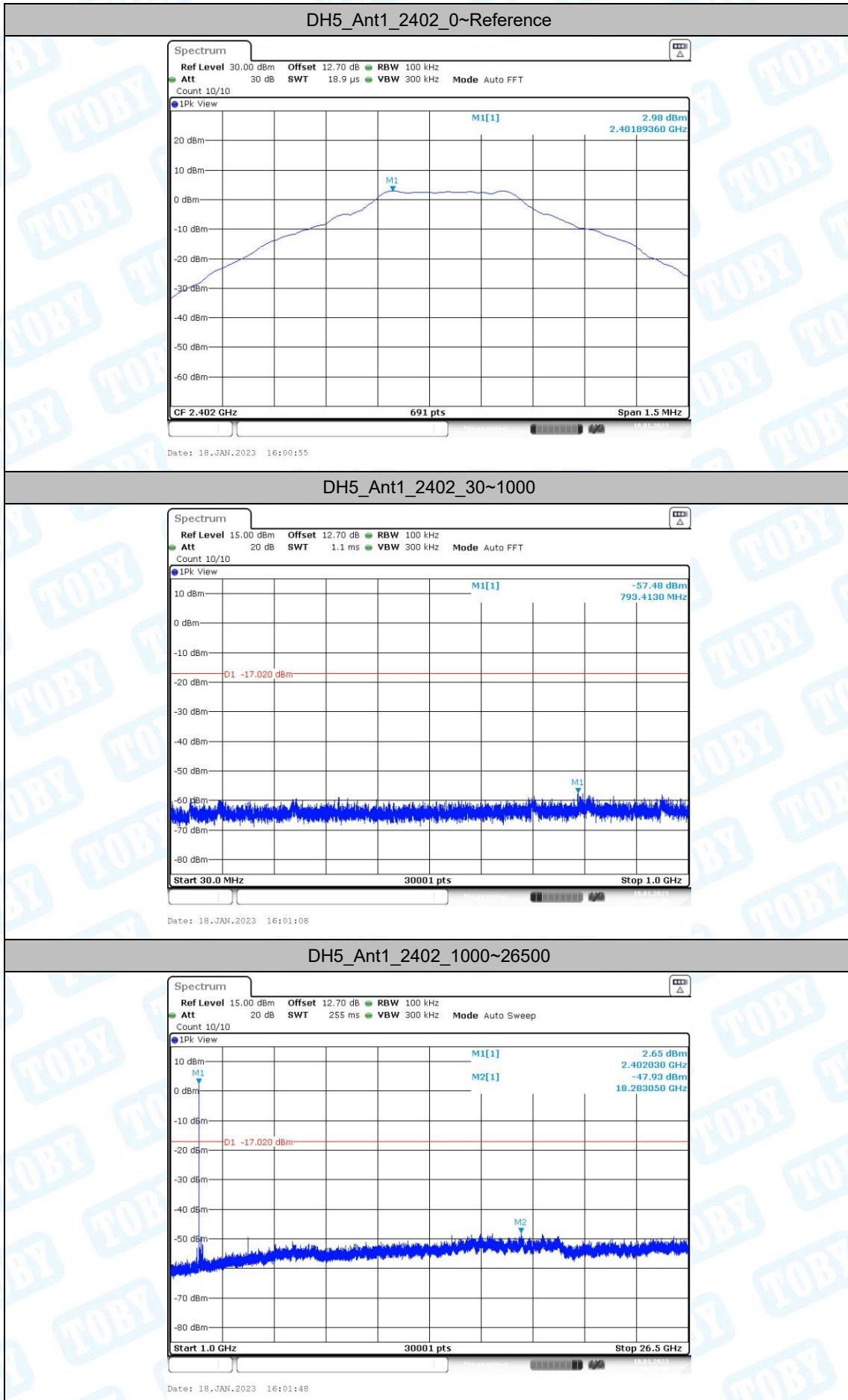


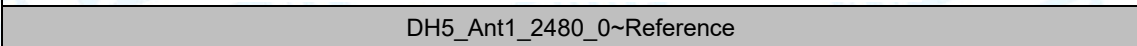
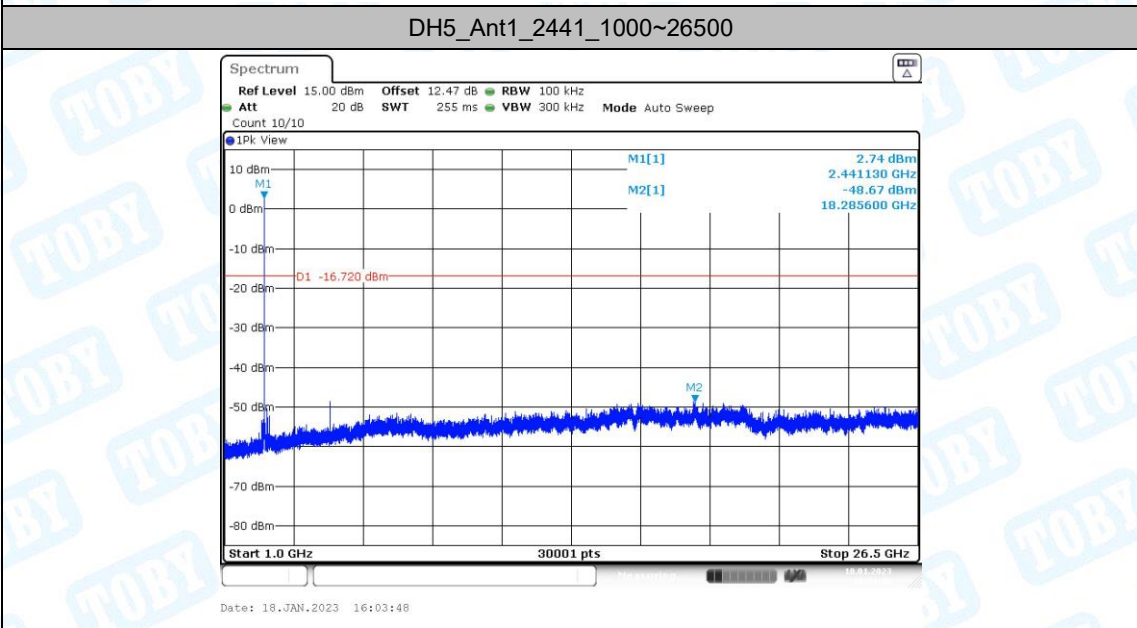
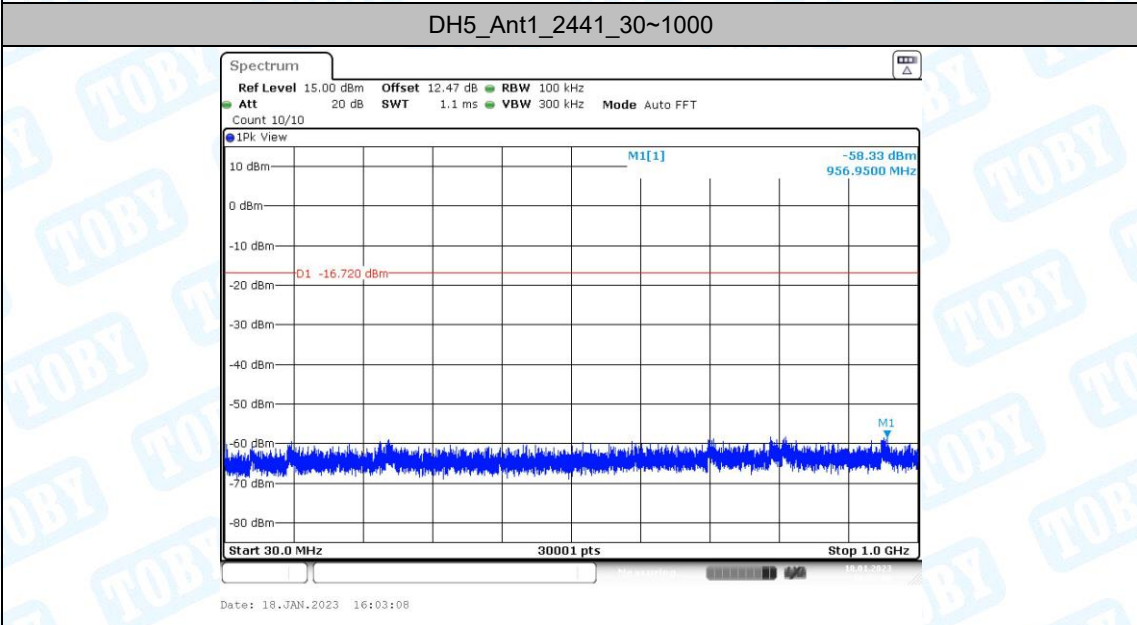
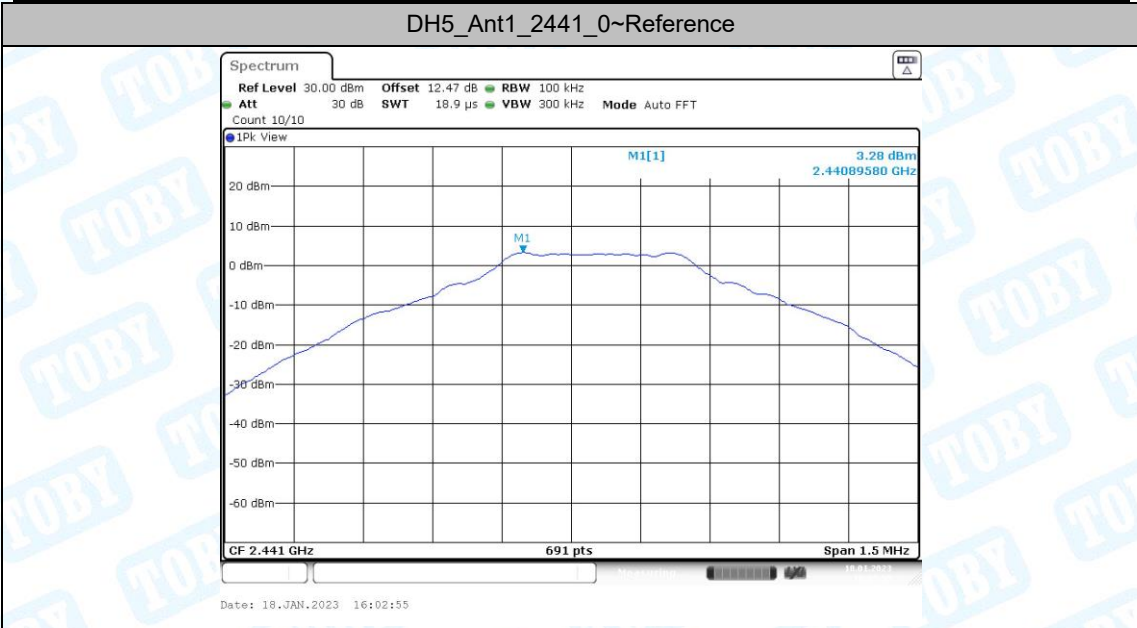
8. Conducted Spurious Emission

8.1. Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-57.48	≤-17.02	PASS
			1000~26500	2.98	-47.93	≤-17.02	PASS
		2441	Reference	3.28	3.28	---	PASS
			30~1000	3.28	-58.33	≤-16.72	PASS
			1000~26500	3.28	-48.67	≤-16.72	PASS
		2480	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-57.22	≤-16.68	PASS
			1000~26500	3.32	-48.55	≤-16.68	PASS
2DH5	Ant1	2402	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-57.61	≤-16.98	PASS
			1000~26500	3.02	-48.38	≤-16.98	PASS
		2441	Reference	3.28	3.28	---	PASS
			30~1000	3.28	-56.83	≤-16.72	PASS
			1000~26500	3.28	-48.14	≤-16.72	PASS
		2480	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-57.8	≤-16.65	PASS
			1000~26500	3.35	-48.74	≤-16.65	PASS
3DH5	Ant1	2402	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-57.08	≤-17.02	PASS
			1000~26500	2.98	-48.31	≤-17.02	PASS
		2441	Reference	3.27	3.27	---	PASS
			30~1000	3.27	-58.14	≤-16.73	PASS
			1000~26500	3.27	-48.44	≤-16.73	PASS
		2480	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-57.21	≤-16.65	PASS
			1000~26500	3.35	-47.82	≤-16.65	PASS

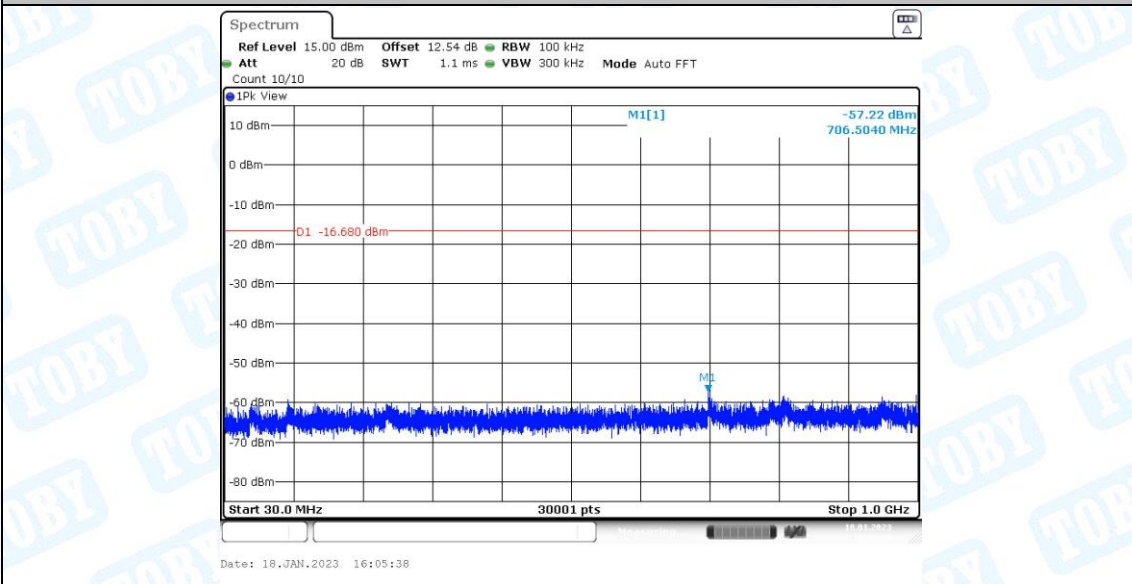
8.2. Test Graphs



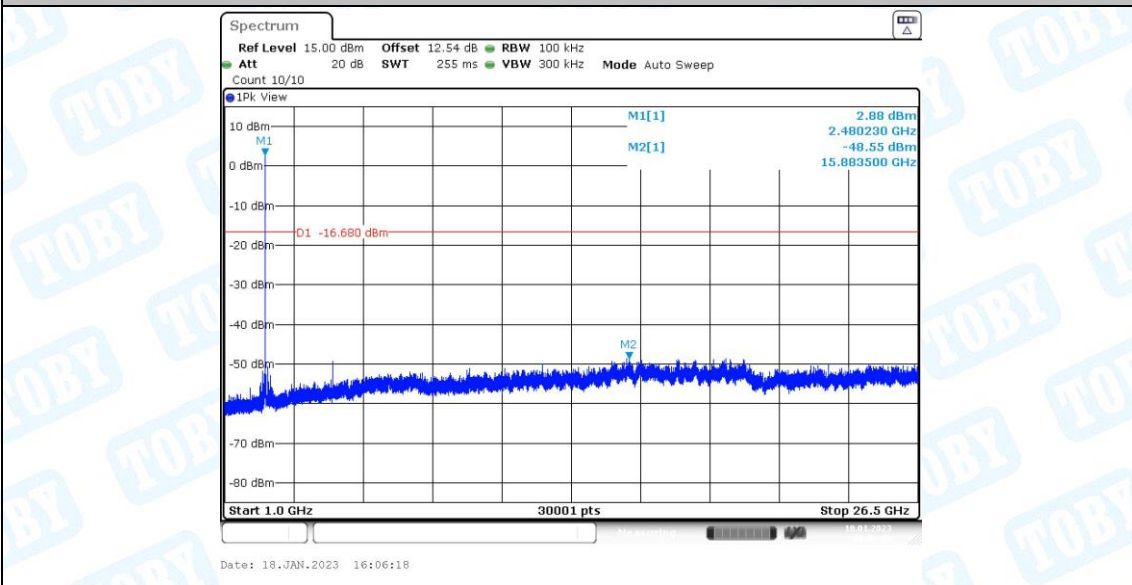




DH5_Ant1_2480_30~1000



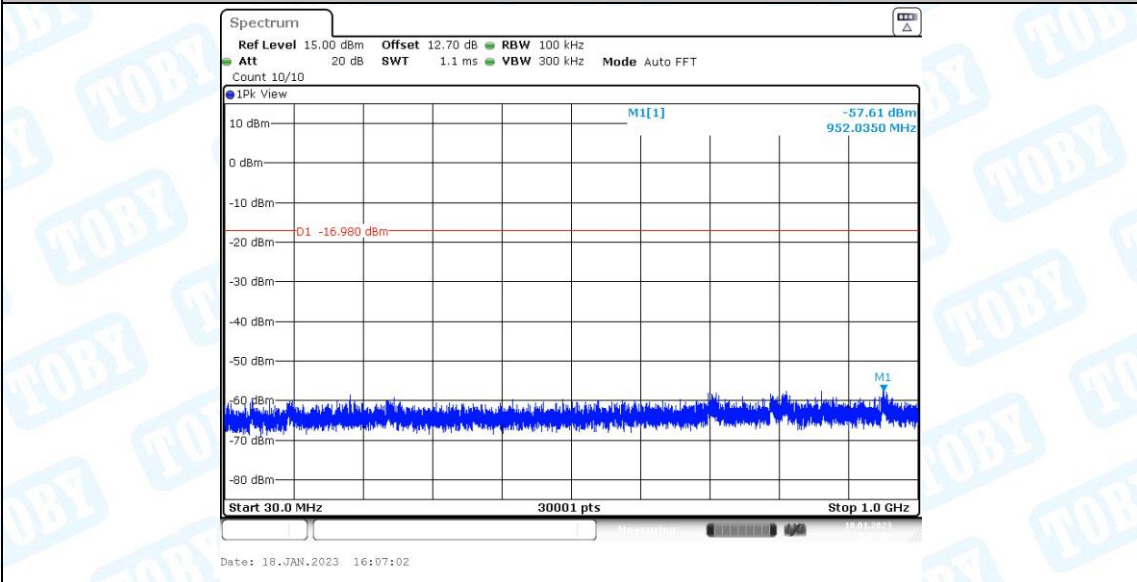
DH5_Ant1_2480_1000~26500



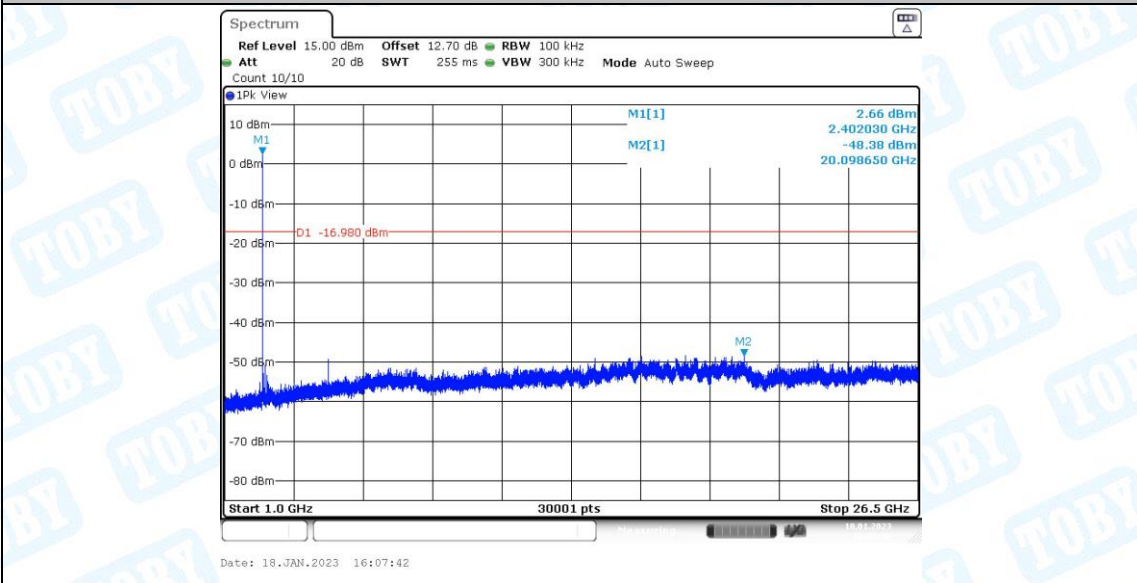
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference