

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

General Description of EUT	
Product Name:	tablet computer
Test Model:	AYANEO SLIDE
Sample ID:	202309-0095-4-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 11.55V
Test Engineer:	Li ying jing
Note: For a more detailed features description, please refer to the report TBR-C-202309-0095-6	

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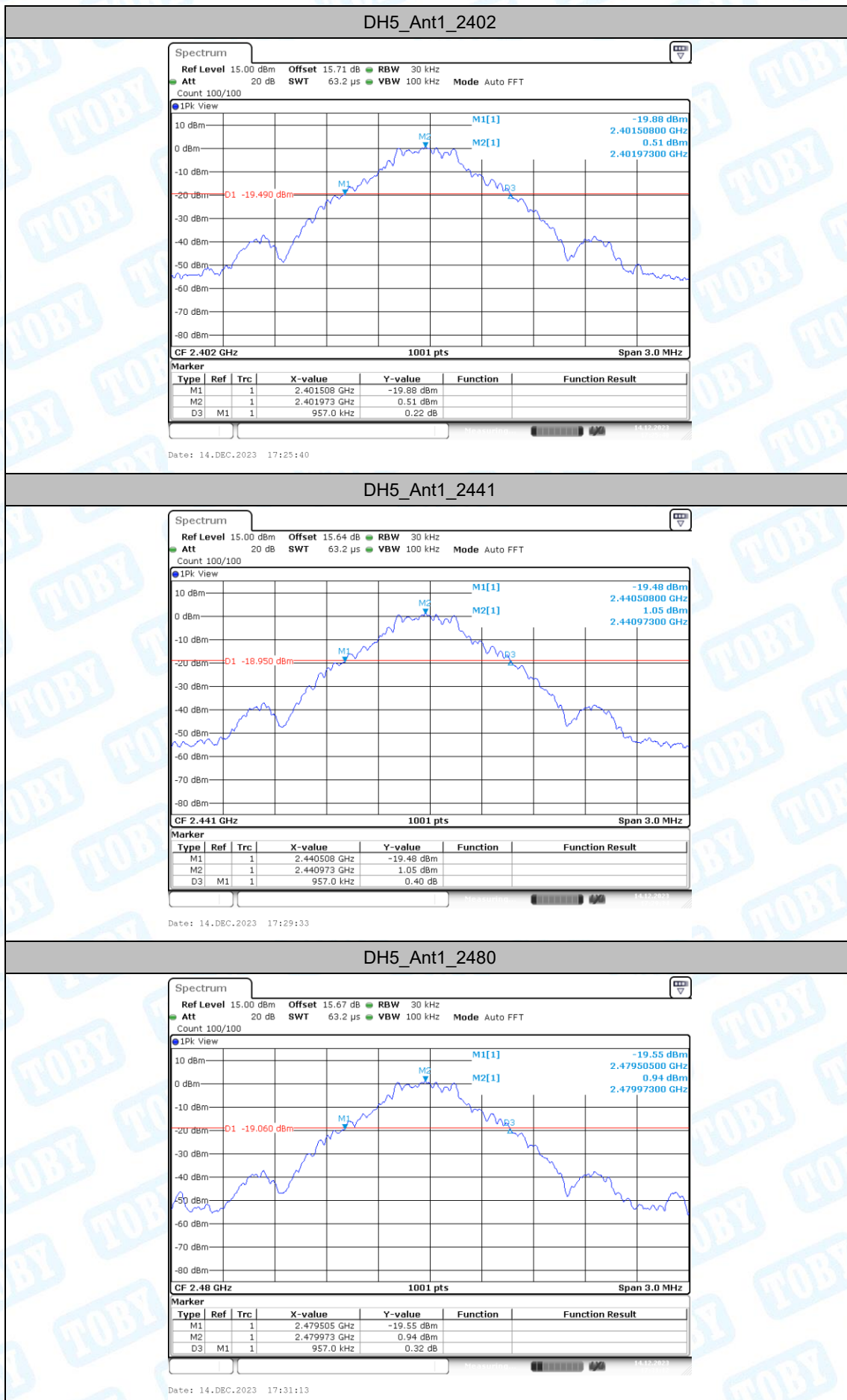
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1. 20dB Emission Bandwidth

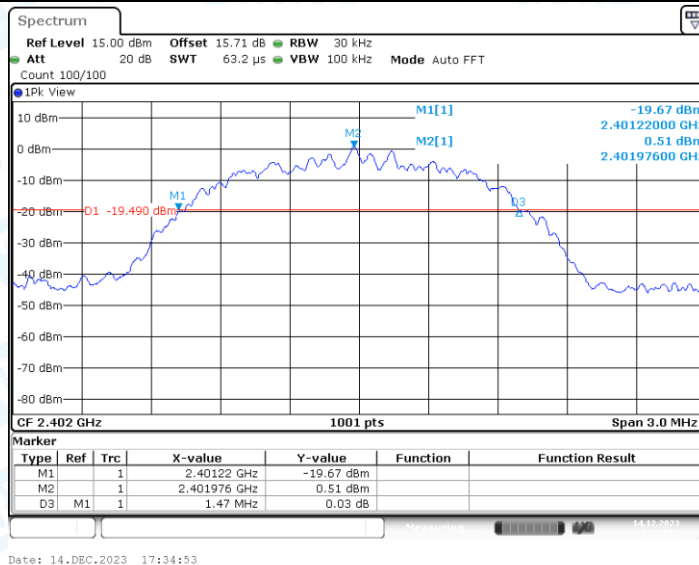
1.1. Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	---	---
		2441	0.96	---	---
		2480	0.96	---	---
2DH5	Ant1	2402	1.47	---	---
		2441	1.45	---	---
		2480	1.47	---	---
3DH5	Ant1	2402	1.49	---	---
		2441	1.48	---	---
		2480	1.48	---	---

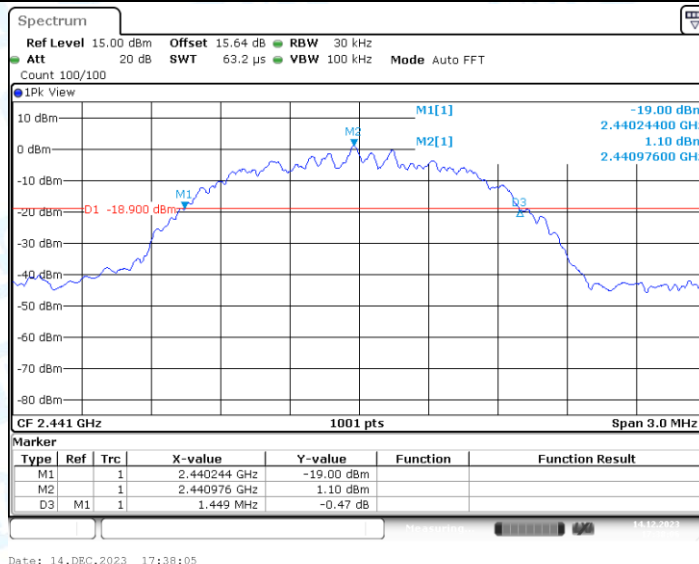
1.2. Test Graphs



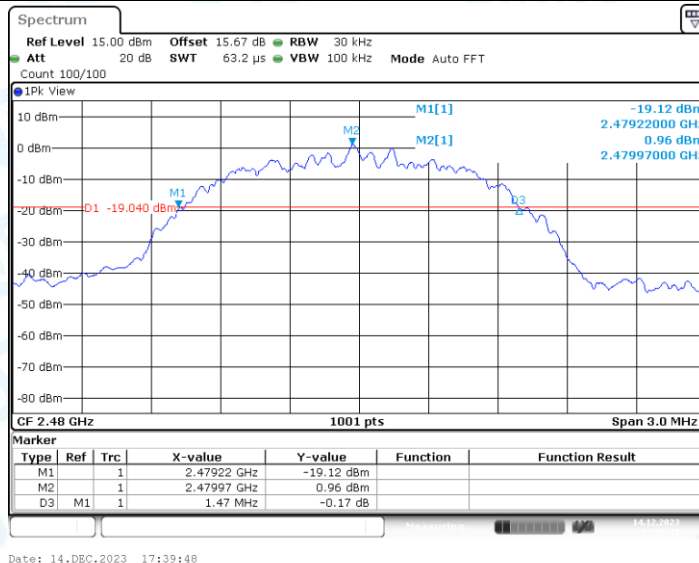
2DH5_Ant1_2402



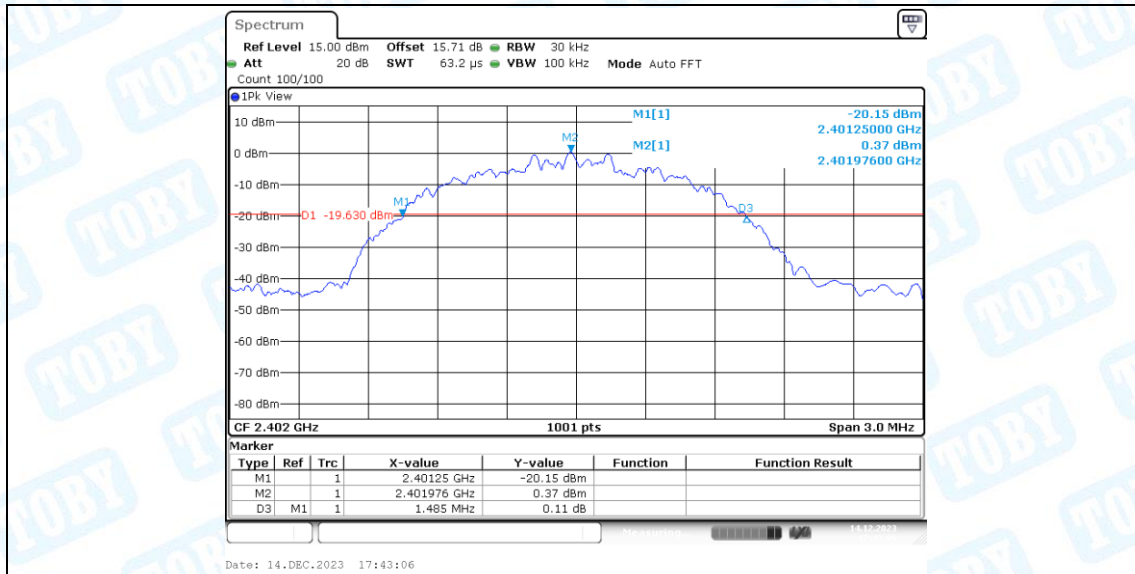
2DH5_Ant1_2441



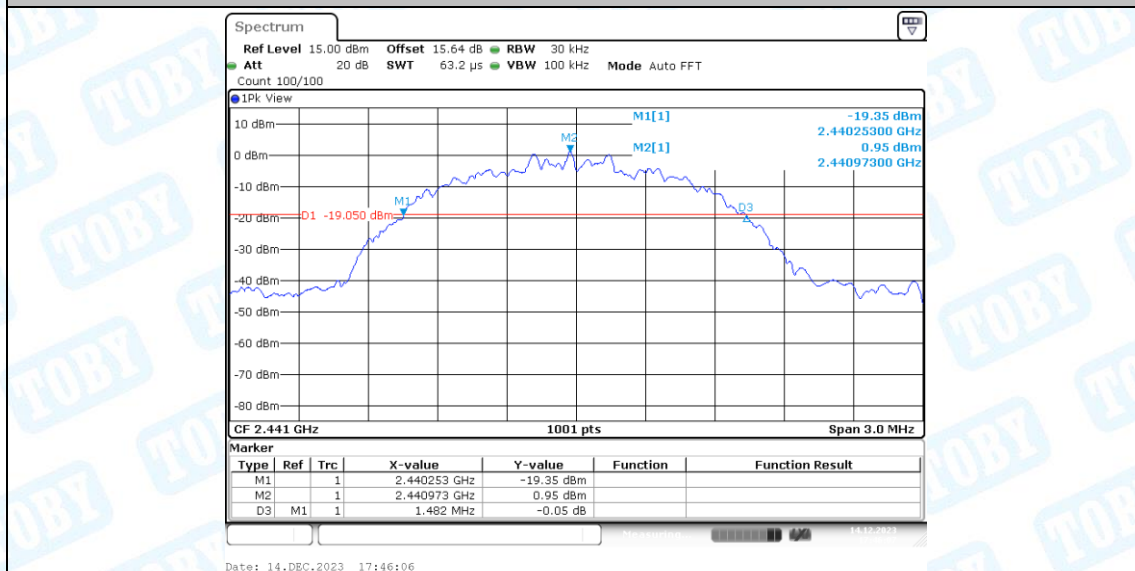
2DH5_Ant1_2480



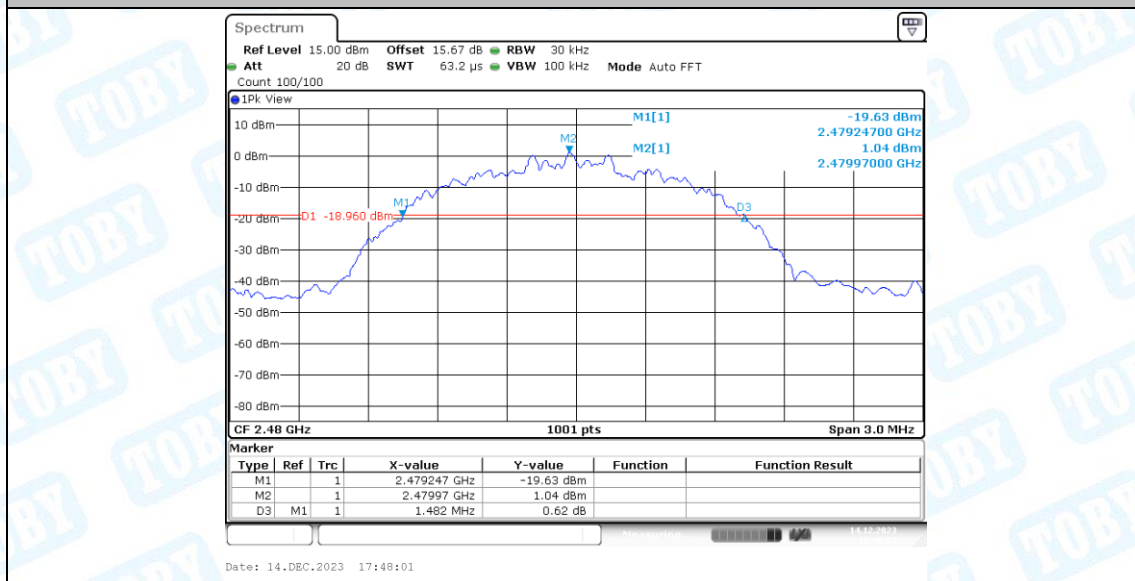
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

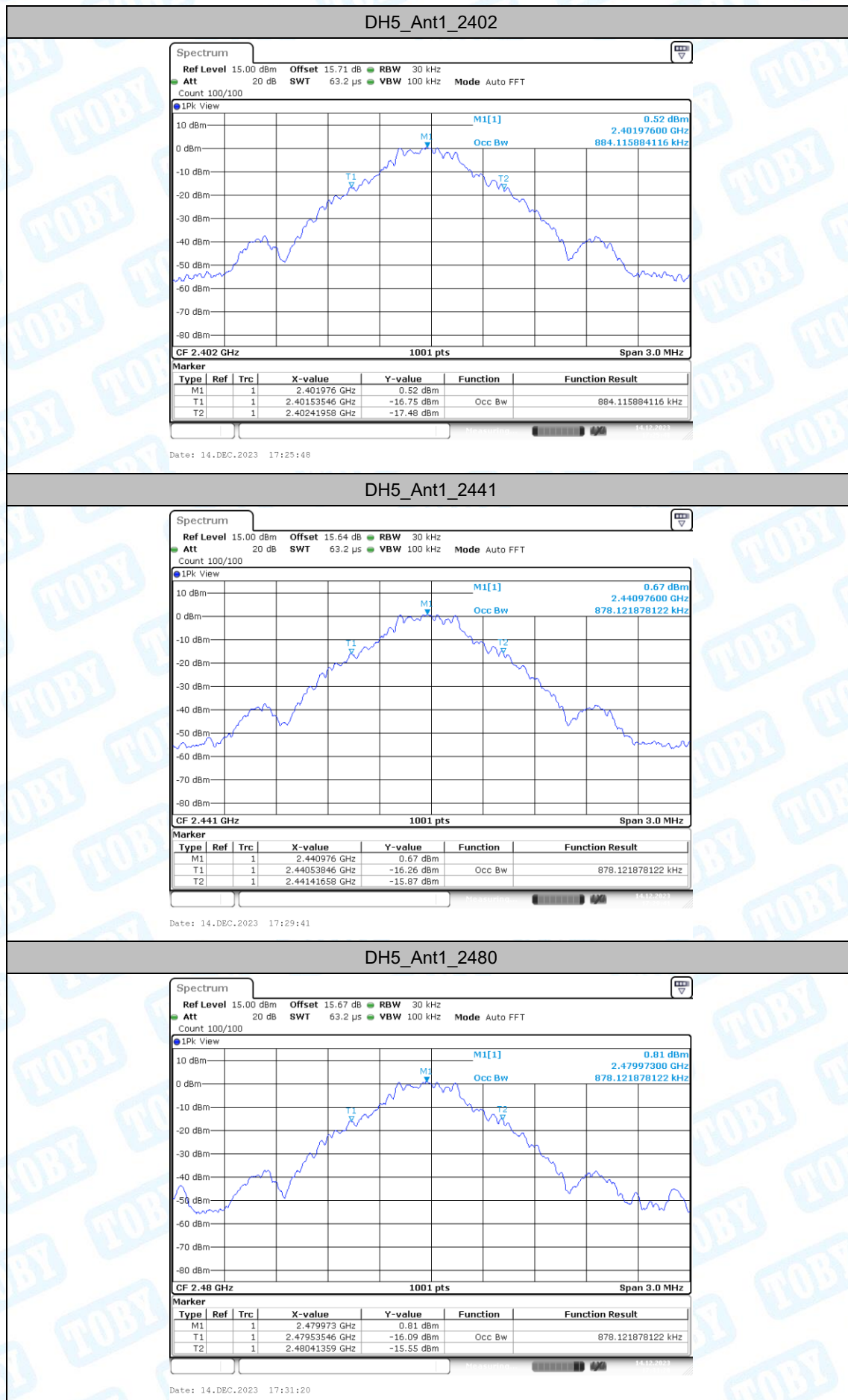


2. Occupied Channel Bandwidth

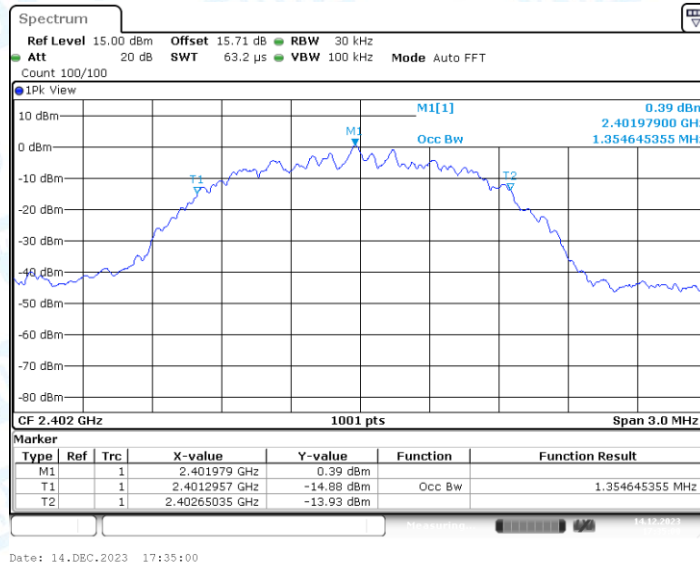
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.884	2401.5355	2402.4196	---	---
		2441	0.878	2440.5385	2441.4166	---	---
		2480	0.878	2479.5355	2480.4136	---	---
2DH5	Ant1	2402	1.355	2401.2957	2402.6503	---	---
		2441	1.358	2440.2957	2441.6533	---	---
		2480	1.355	2479.2957	2480.6503	---	---
3DH5	Ant1	2402	1.346	2401.3047	2402.6503	---	---
		2441	1.343	2440.3047	2441.6474	---	---
		2480	1.346	2479.3017	2480.6474	---	---

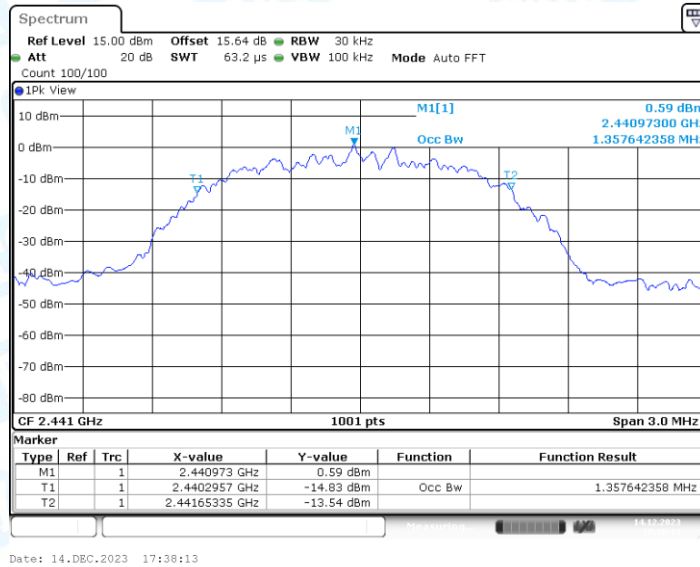
2.2. Test Graphs



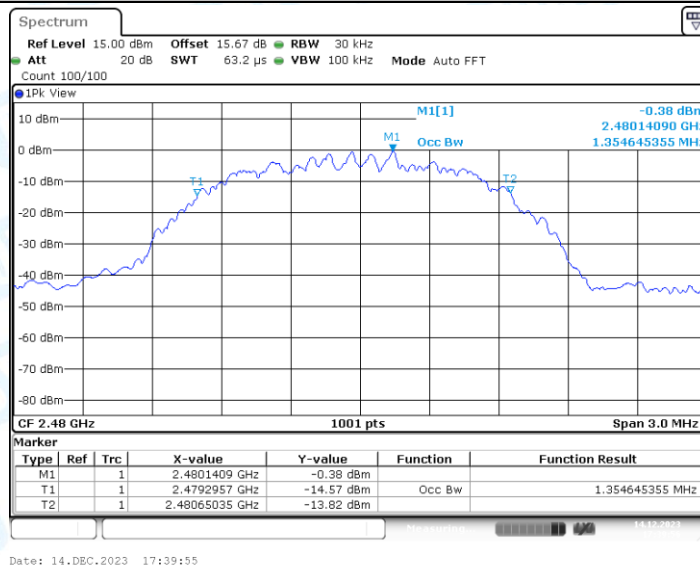
2DH5_Ant1_2402



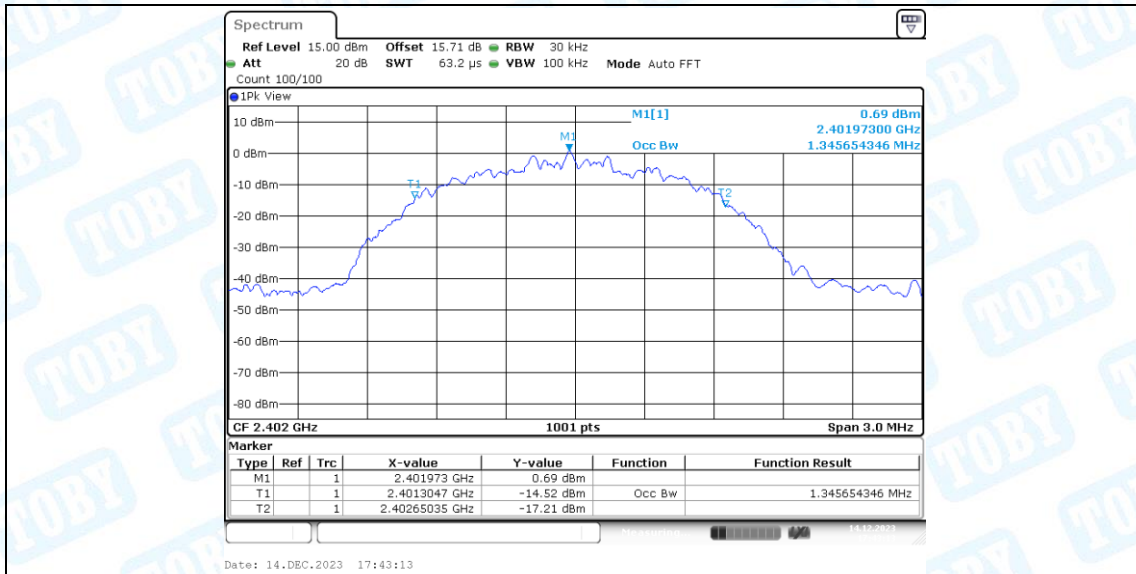
2DH5_Ant1_2441



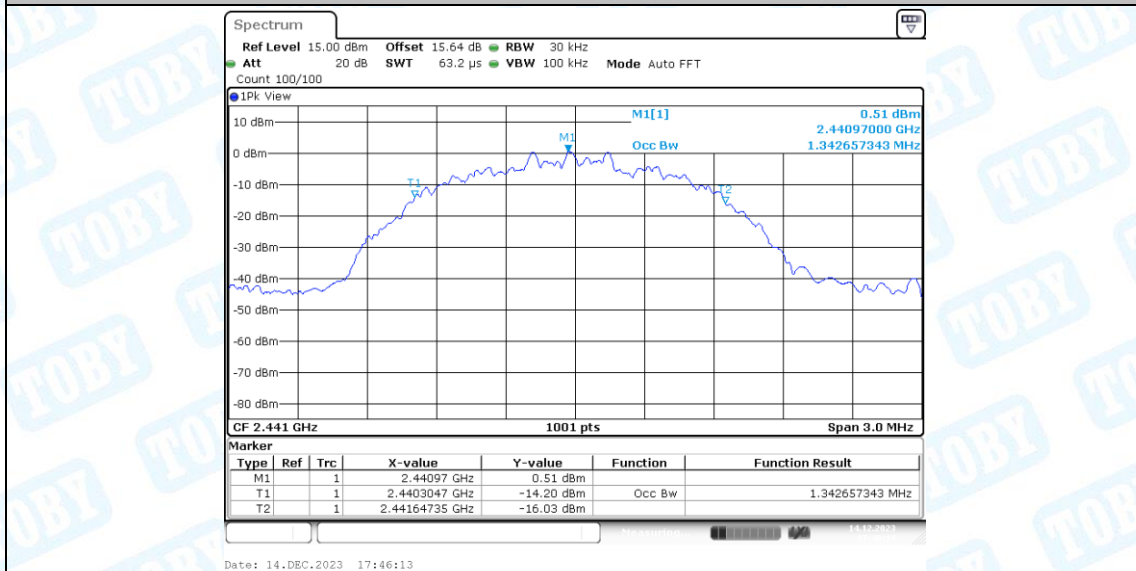
2DH5_Ant1_2480



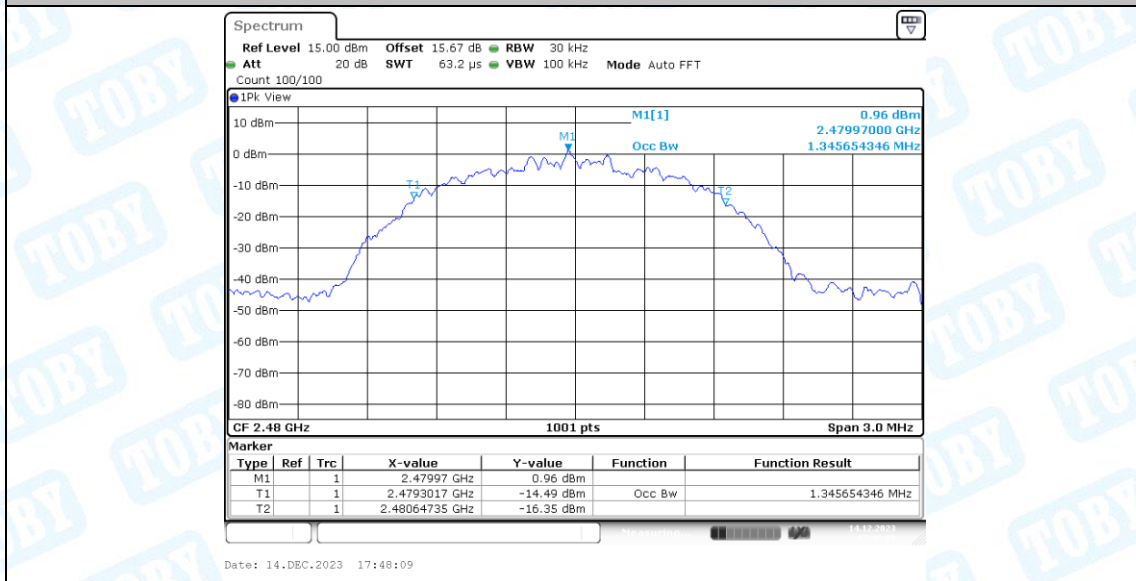
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



3. Maximum conducted output power

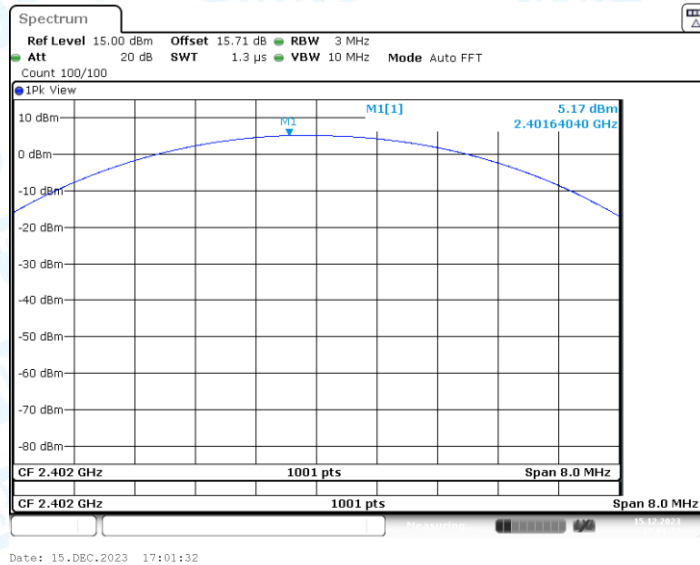
3.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.00	≤21	PASS
		2441	3.53	≤21	PASS
		2480	3.38	≤21	PASS
2DH5	Ant1	2402	5.17	≤21	PASS
		2441	5.60	≤21	PASS
		2480	5.43	≤21	PASS
3DH5	Ant1	2402	5.21	≤21	PASS
		2441	5.76	≤21	PASS
		2480	5.74	≤21	PASS

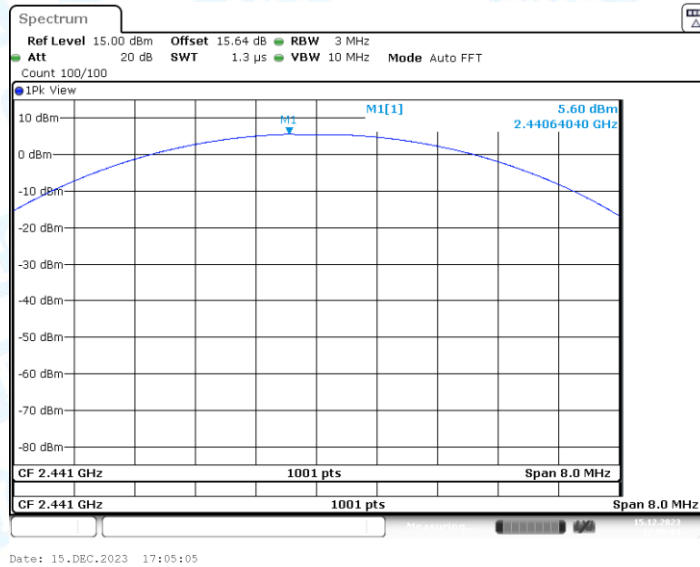
3.2. Test Graphs



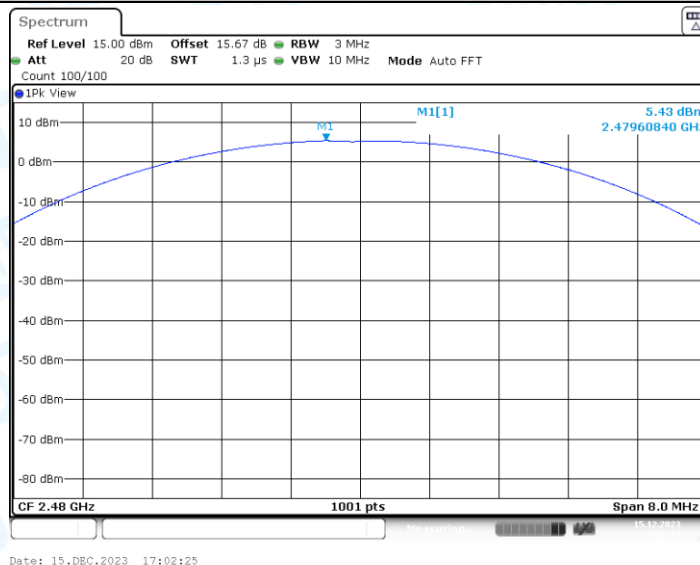
2DH5_Ant1_2402



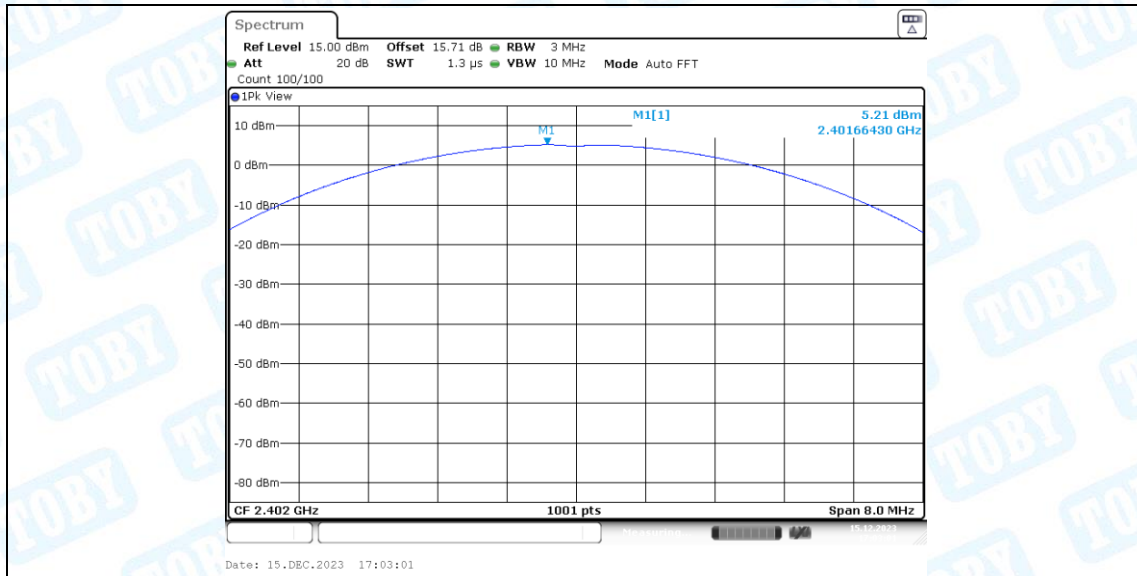
2DH5_Ant1_2441



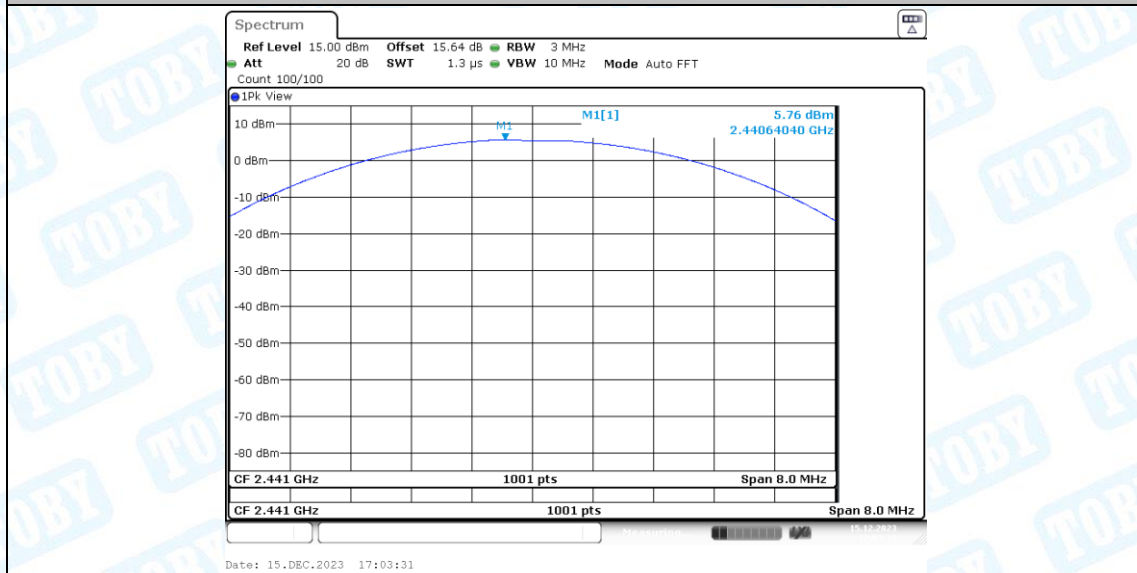
2DH5_Ant1_2480



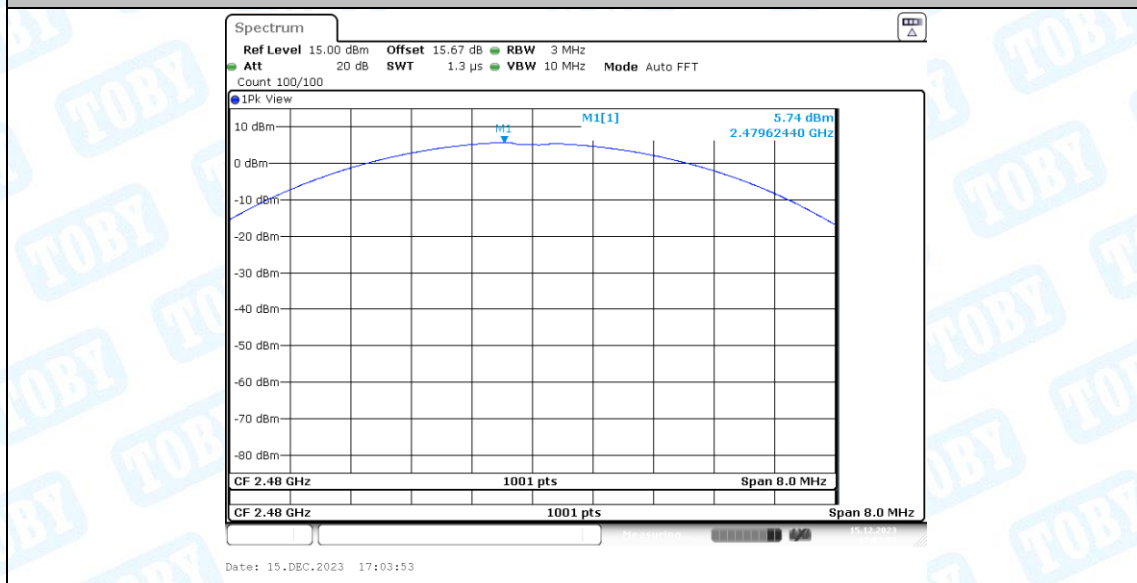
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

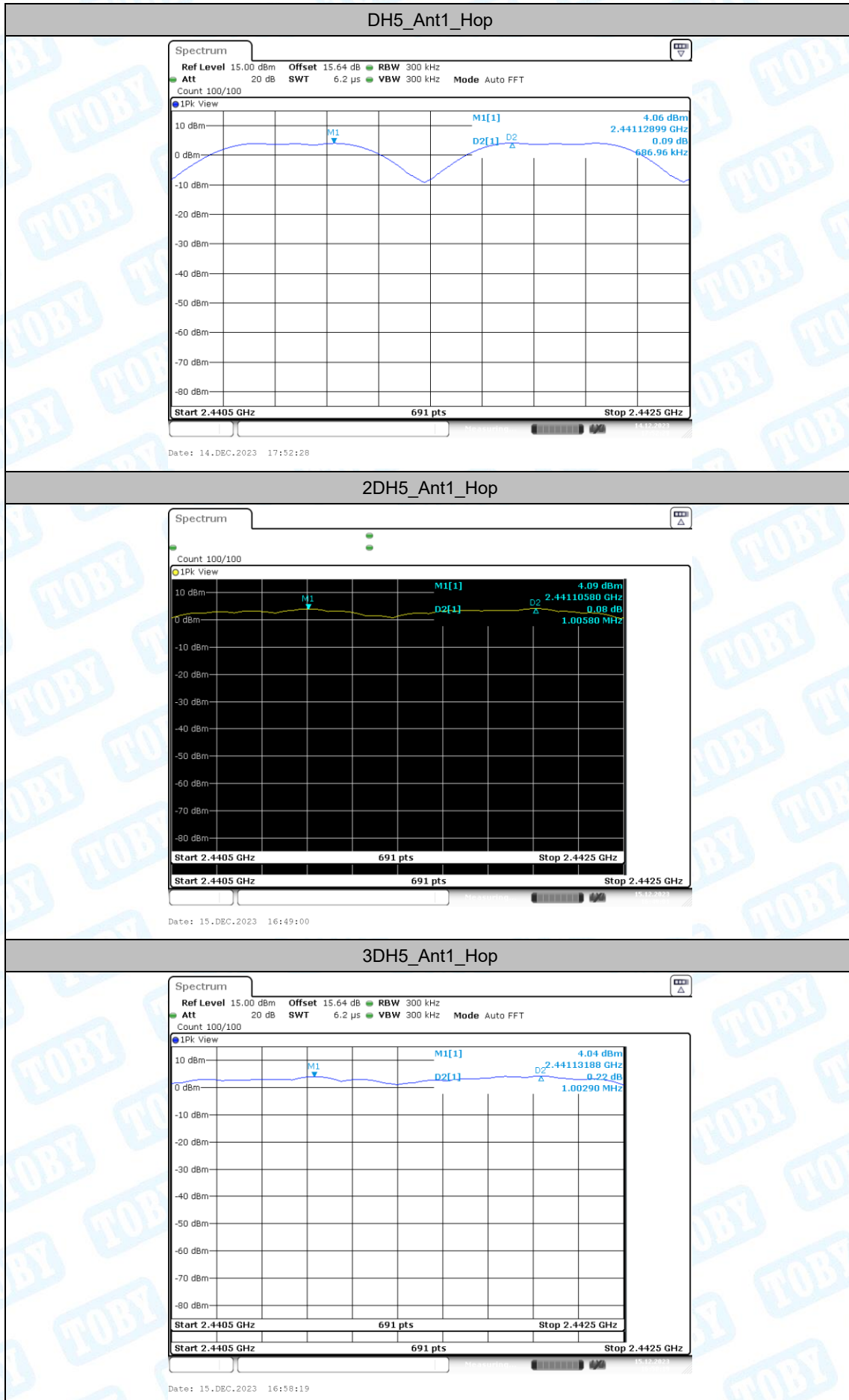


4. Carrier frequency separation

4.1. Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.687	≥ 0.640	PASS
2DH5	Ant1	Hop	1.006	≥ 0.980	PASS
3DH5	Ant1	Hop	1.003	≥ 0.993	PASS

4.2. Test Graphs

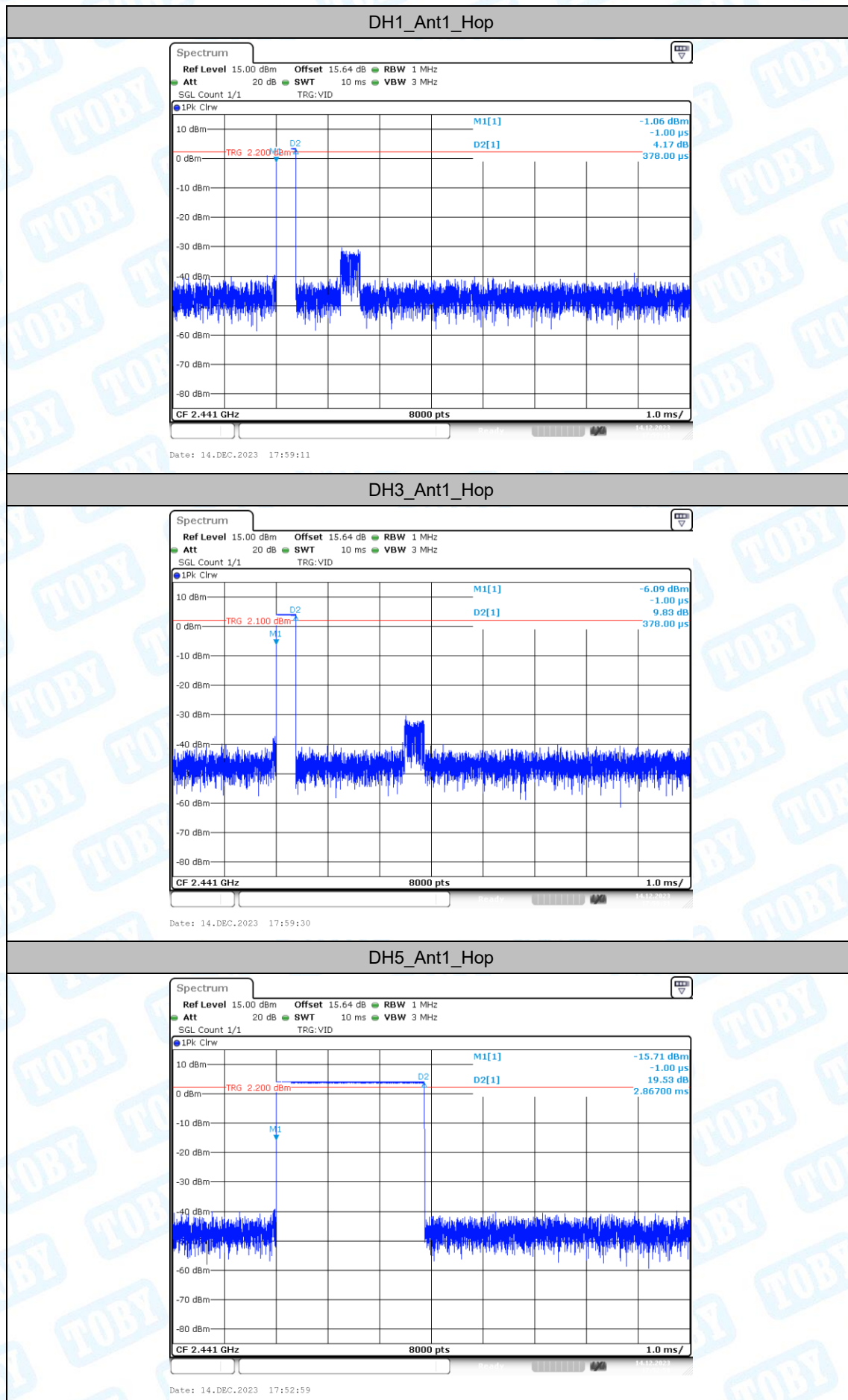


5. Time of occupancy

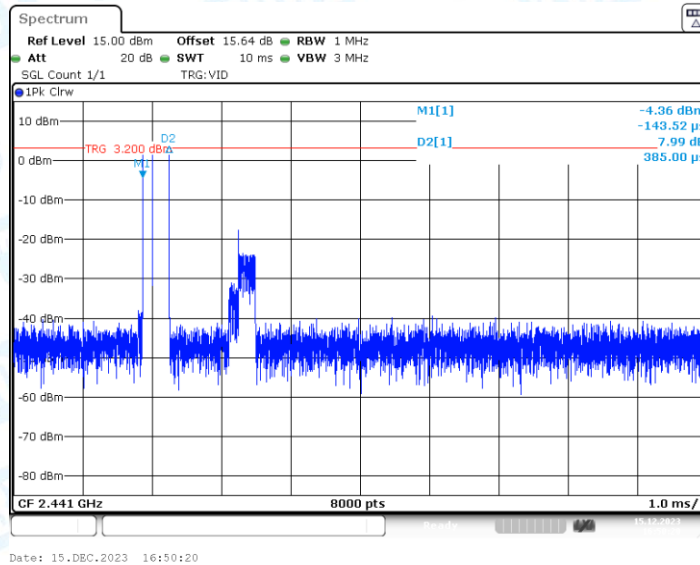
5.1. Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.378	320	0.121	≤0.4	PASS
DH3	Ant1	Hop	0.378	160	0.06	≤0.4	PASS
DH5	Ant1	Hop	2.867	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.869	106.67	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.628	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.872	106.67	0.306	≤0.4	PASS

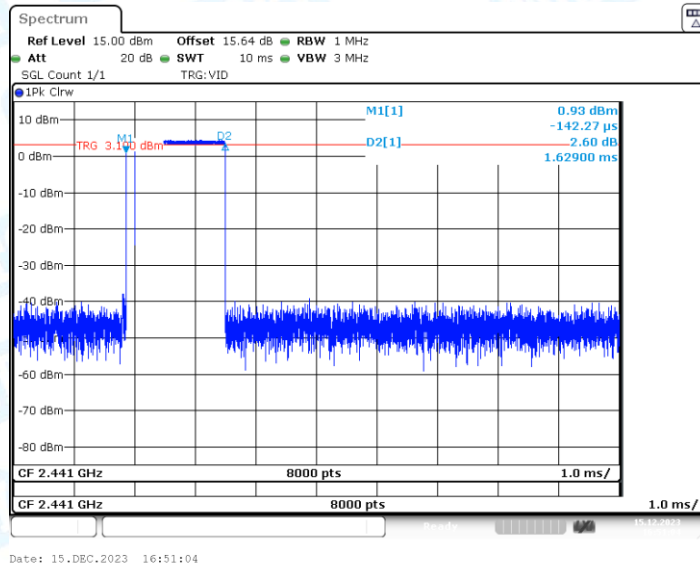
5.2.Test Graphs



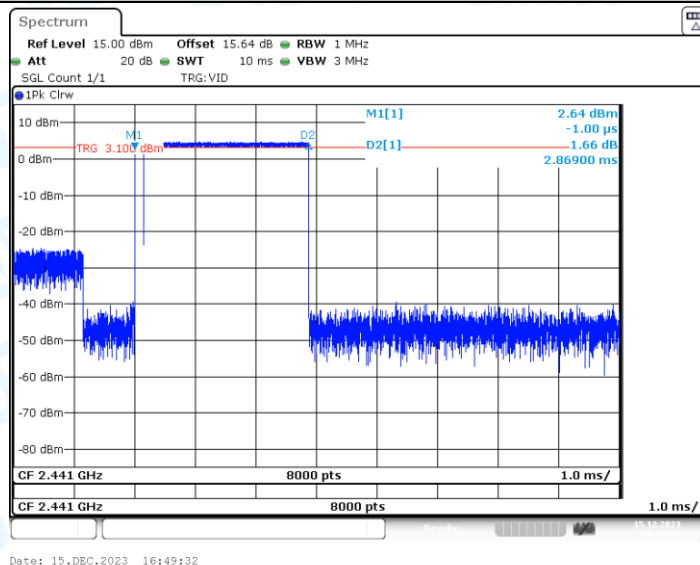
2DH1_Ant1_Hop



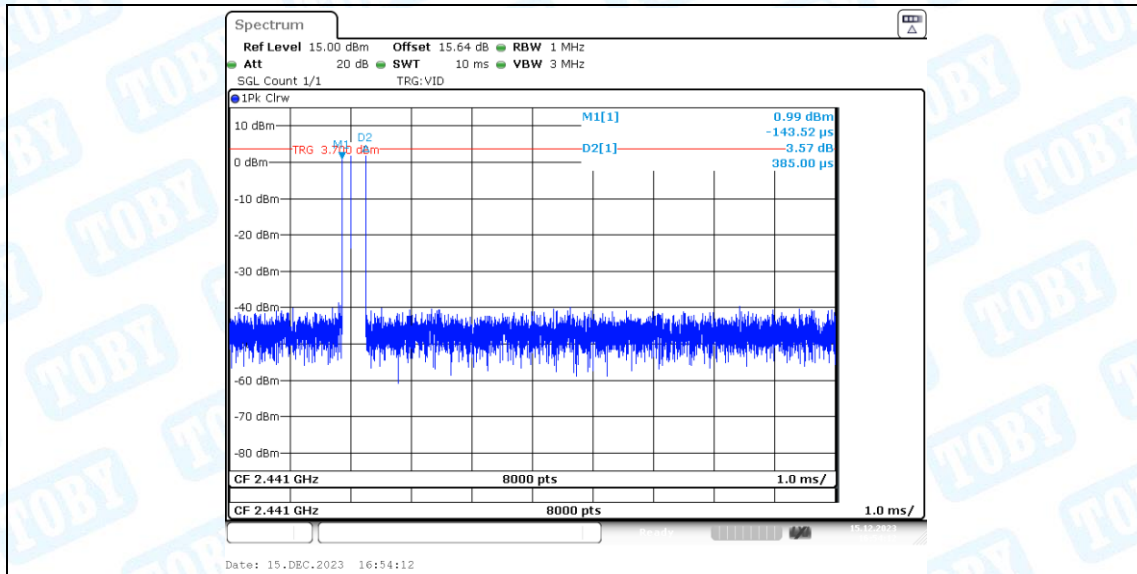
2DH3_Ant1_Hop



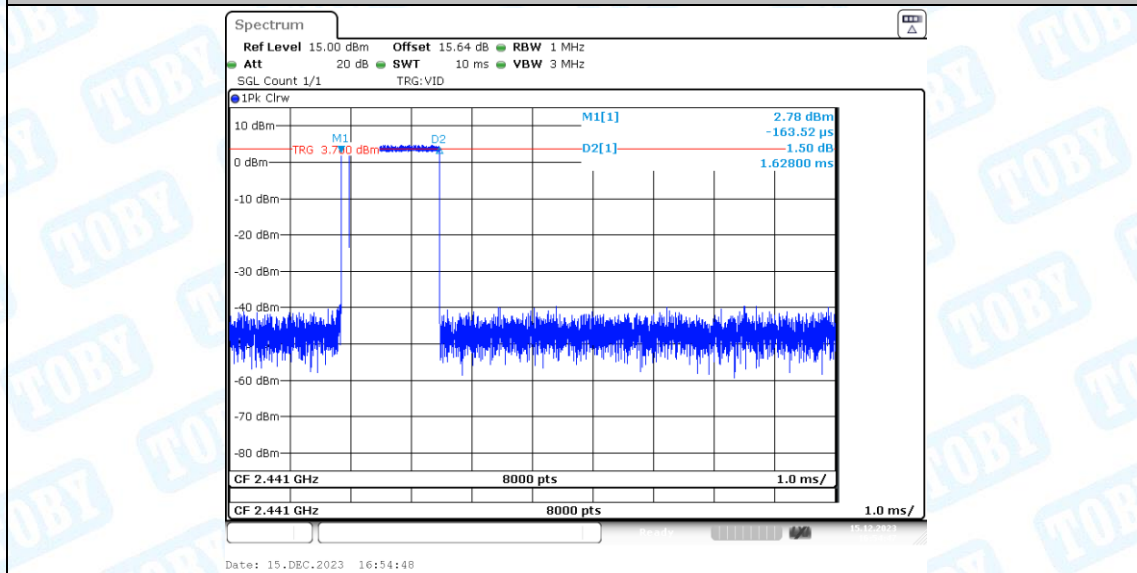
2DH5_Ant1_Hop



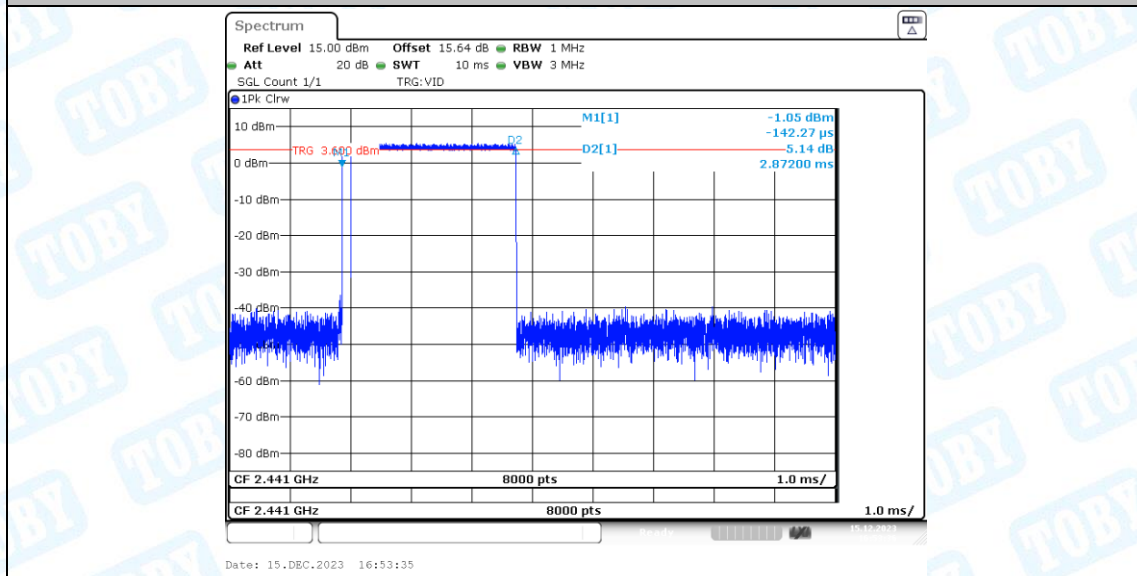
3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop

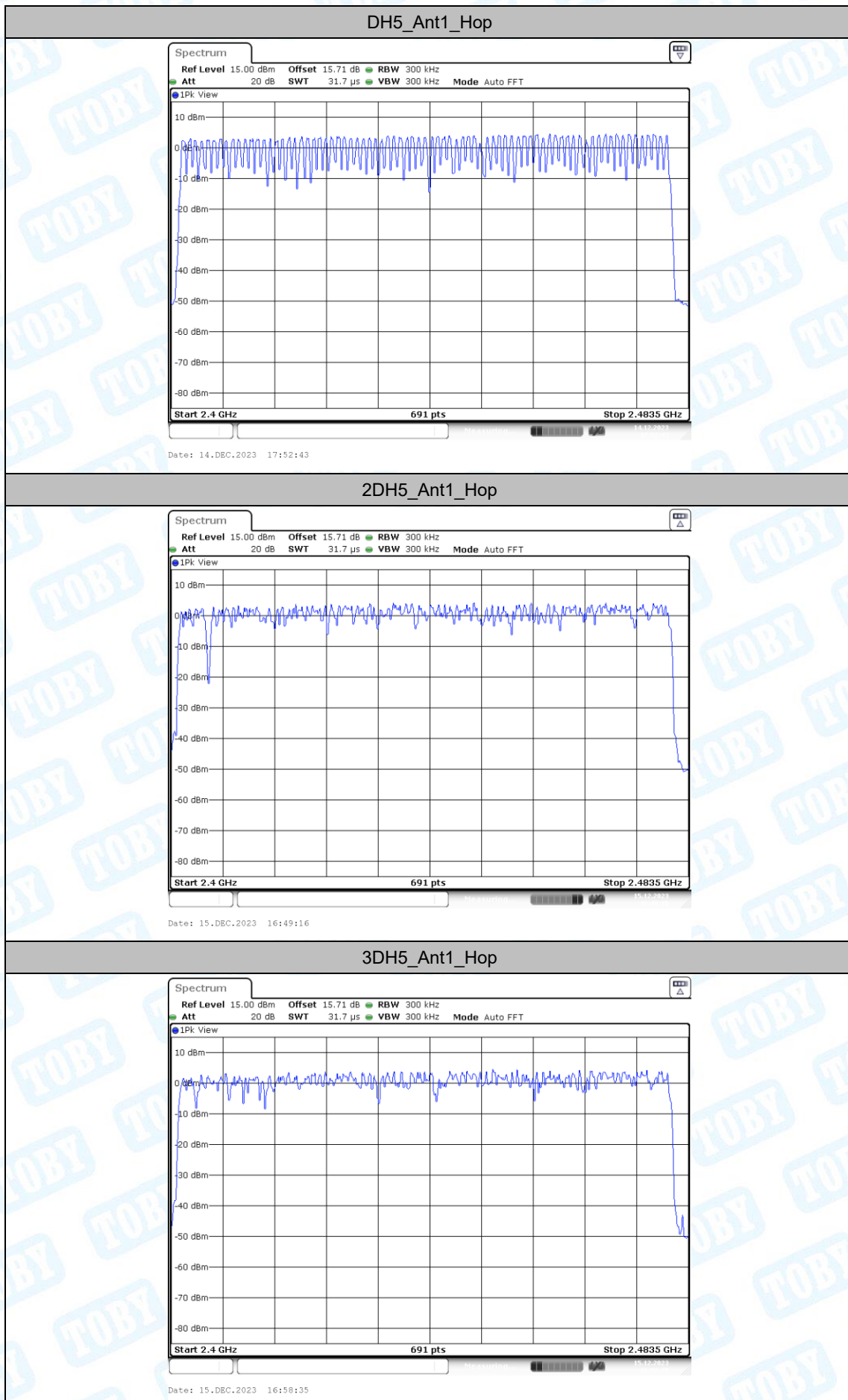


6. Number of hopping channels

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

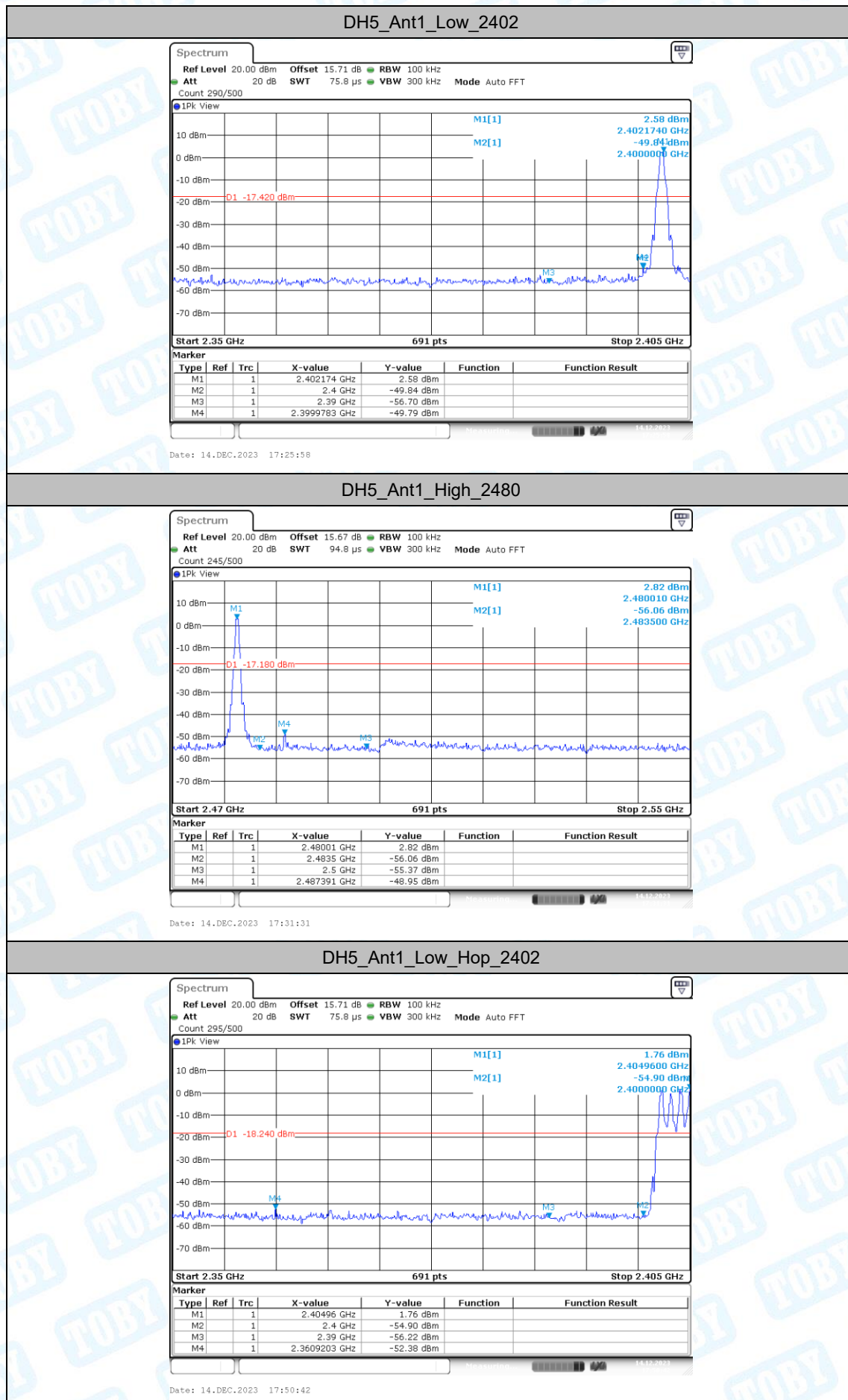


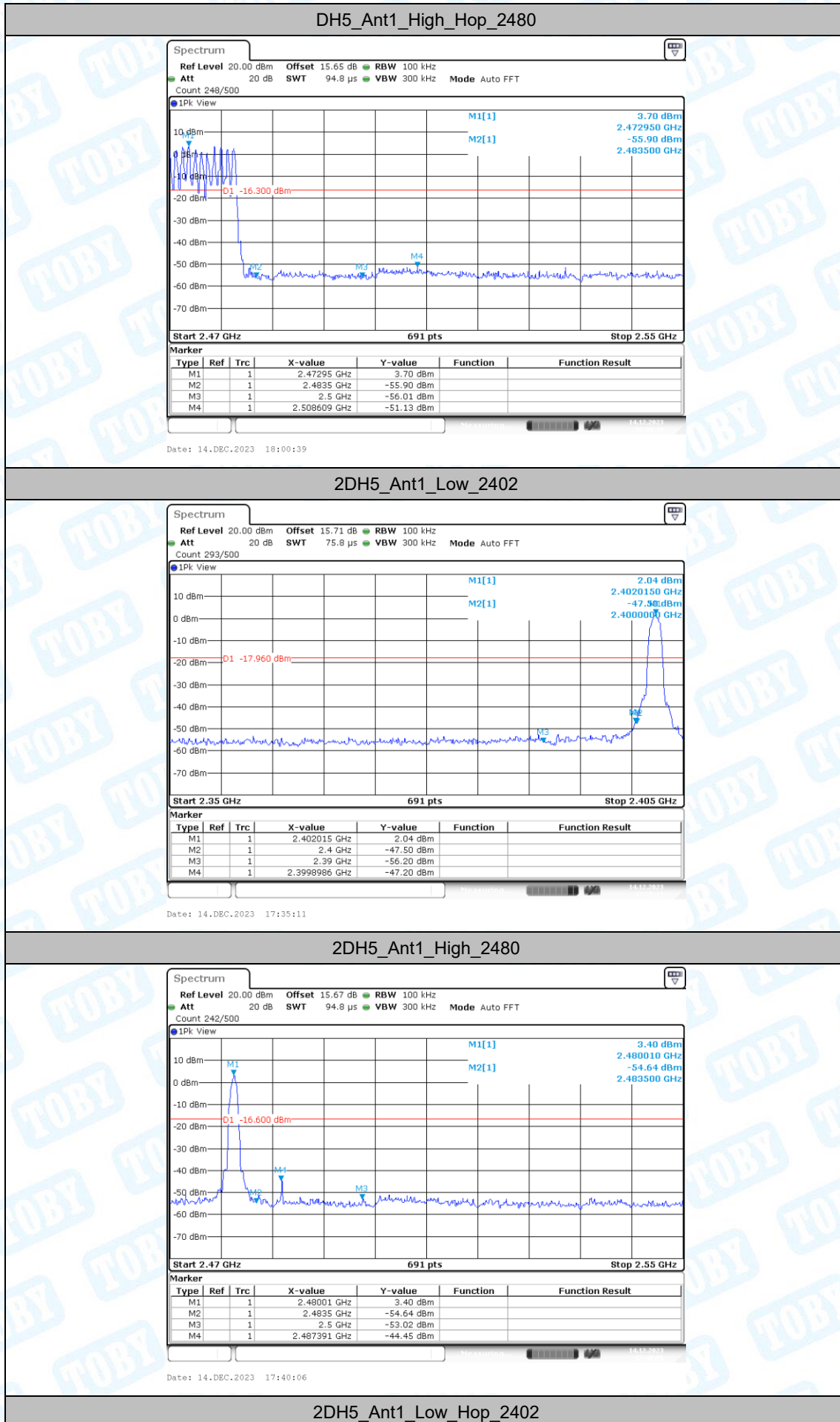
7. Band edge measurements

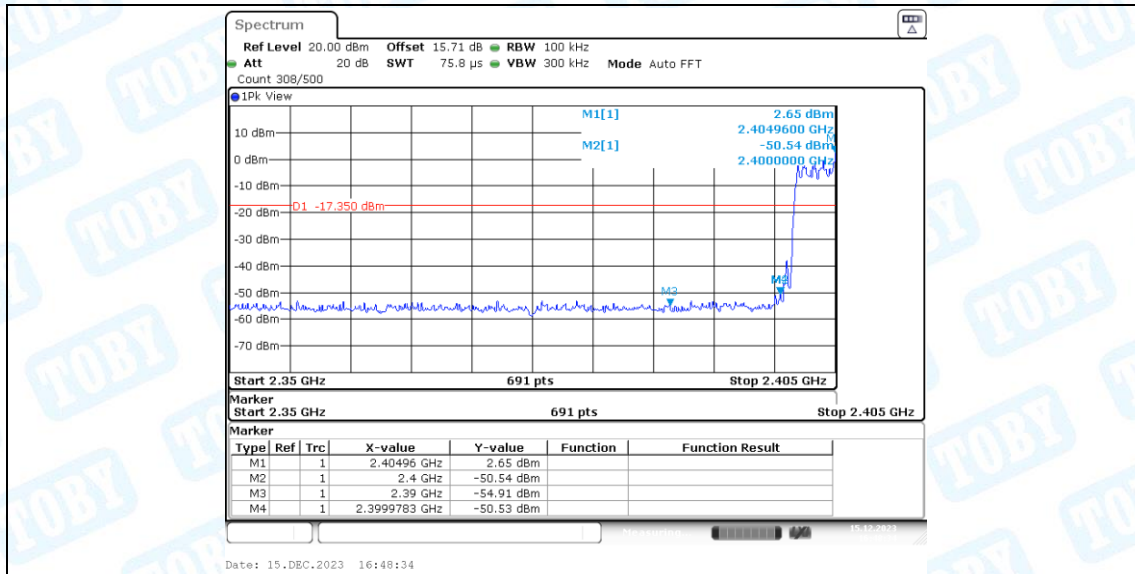
7.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.58	-49.79	≤-17.42	PASS
		High	2480	2.82	-48.95	≤-17.18	PASS
		Low	Hop_2402	1.76	-52.38	≤-18.24	PASS
		High	Hop_2480	3.70	-51.13	≤-16.3	PASS
2DH5	Ant1	Low	2402	2.04	-47.2	≤-17.96	PASS
		High	2480	3.40	-44.45	≤-16.6	PASS
		Low	Hop_2402	2.65	-50.53	≤-17.35	PASS
		High	Hop_2480	1.72	-51.42	≤-18.28	PASS
3DH5	Ant1	Low	2402	3.05	-48.47	≤-16.95	PASS
		High	2480	3.43	-46.32	≤-16.57	PASS
		Low	Hop_2402	-0.04	-50.96	≤-20.04	PASS
		High	Hop_2480	4.38	-51	≤-15.62	PASS

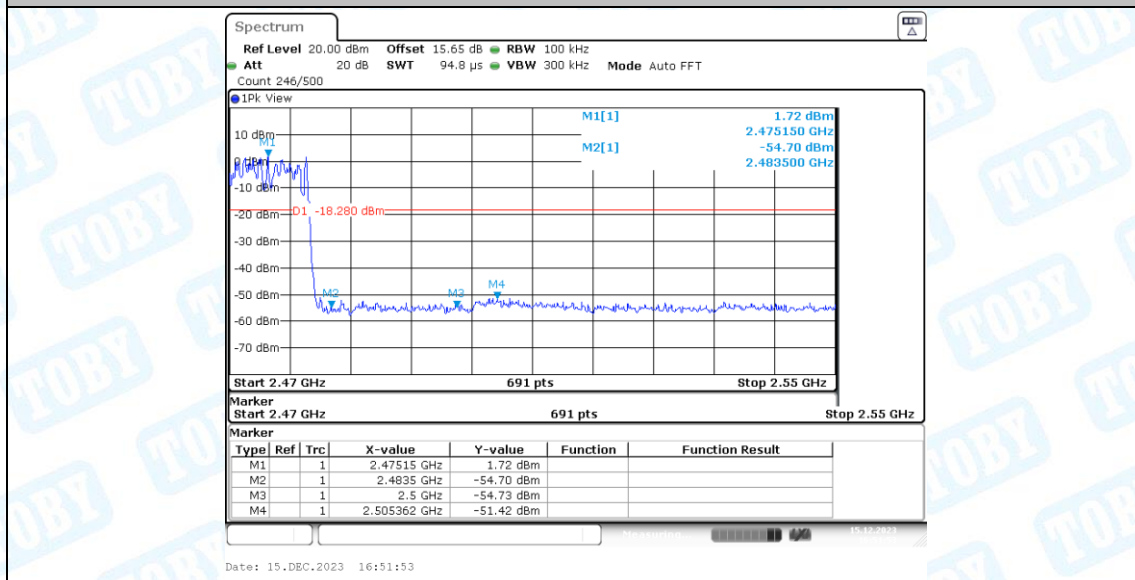
7.2. Test Graphs



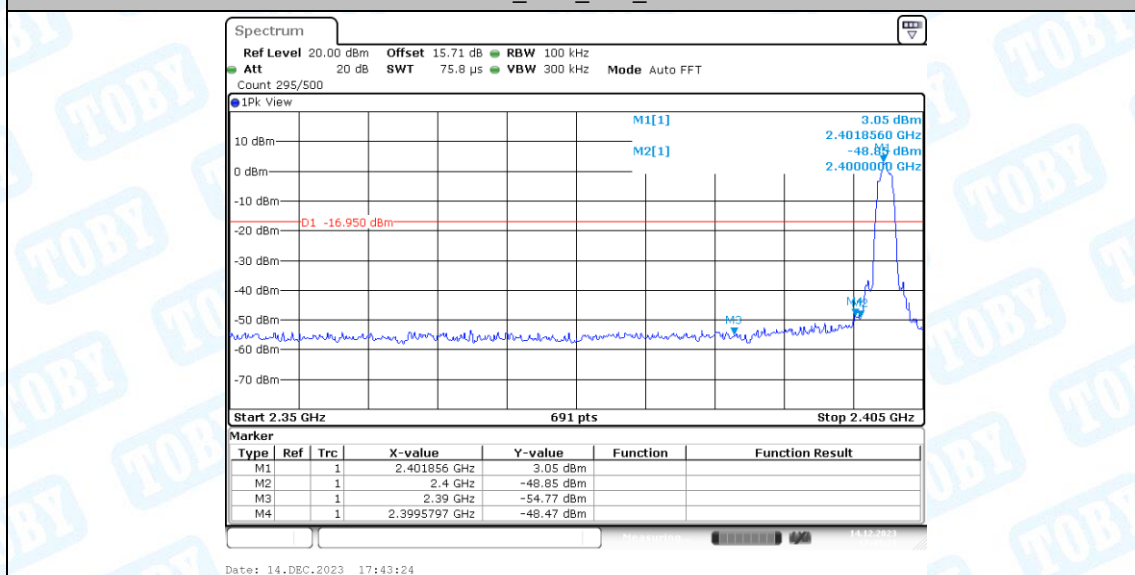




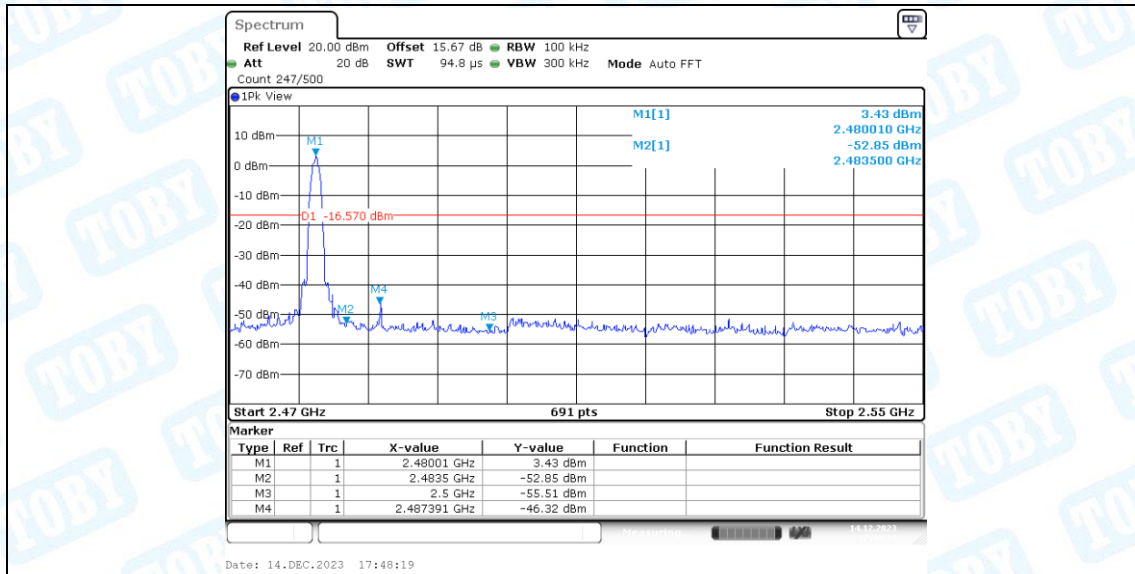
2DH5_Ant1_High_Hop_2480



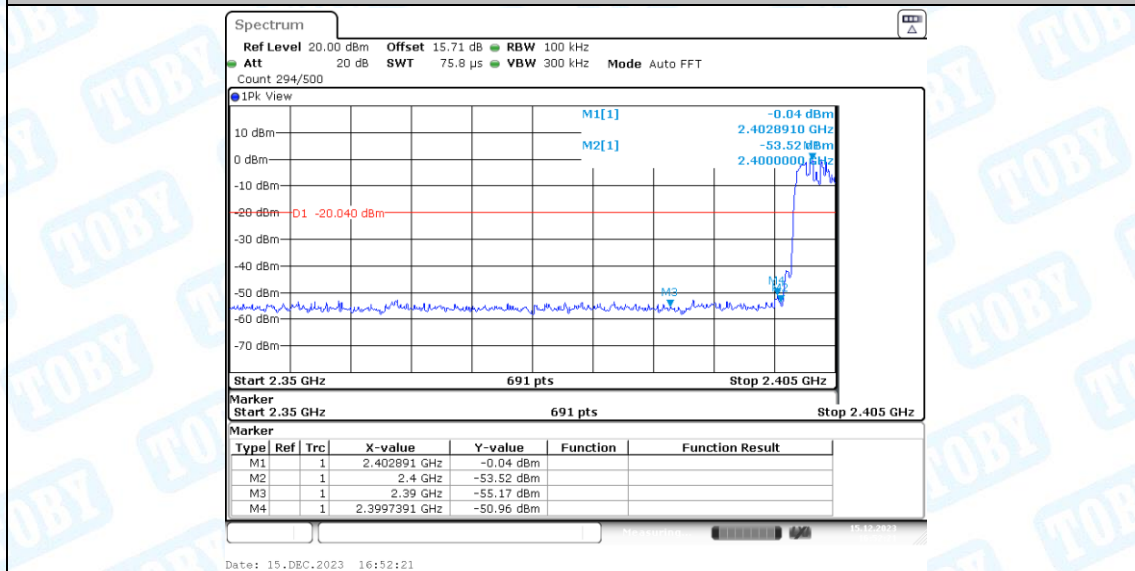
3DH5_Ant1_Low_2402



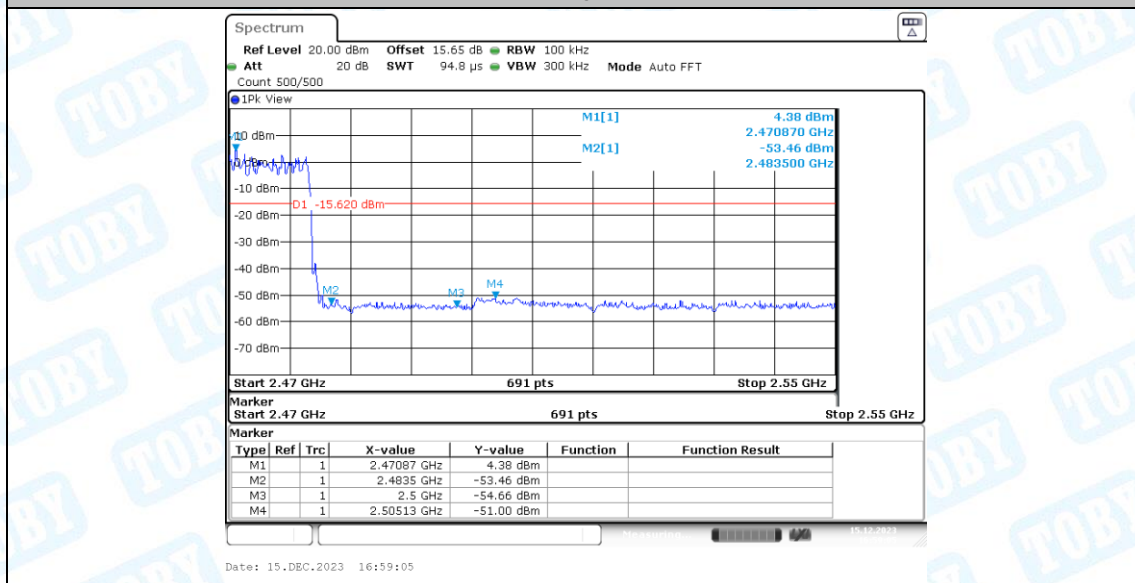
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

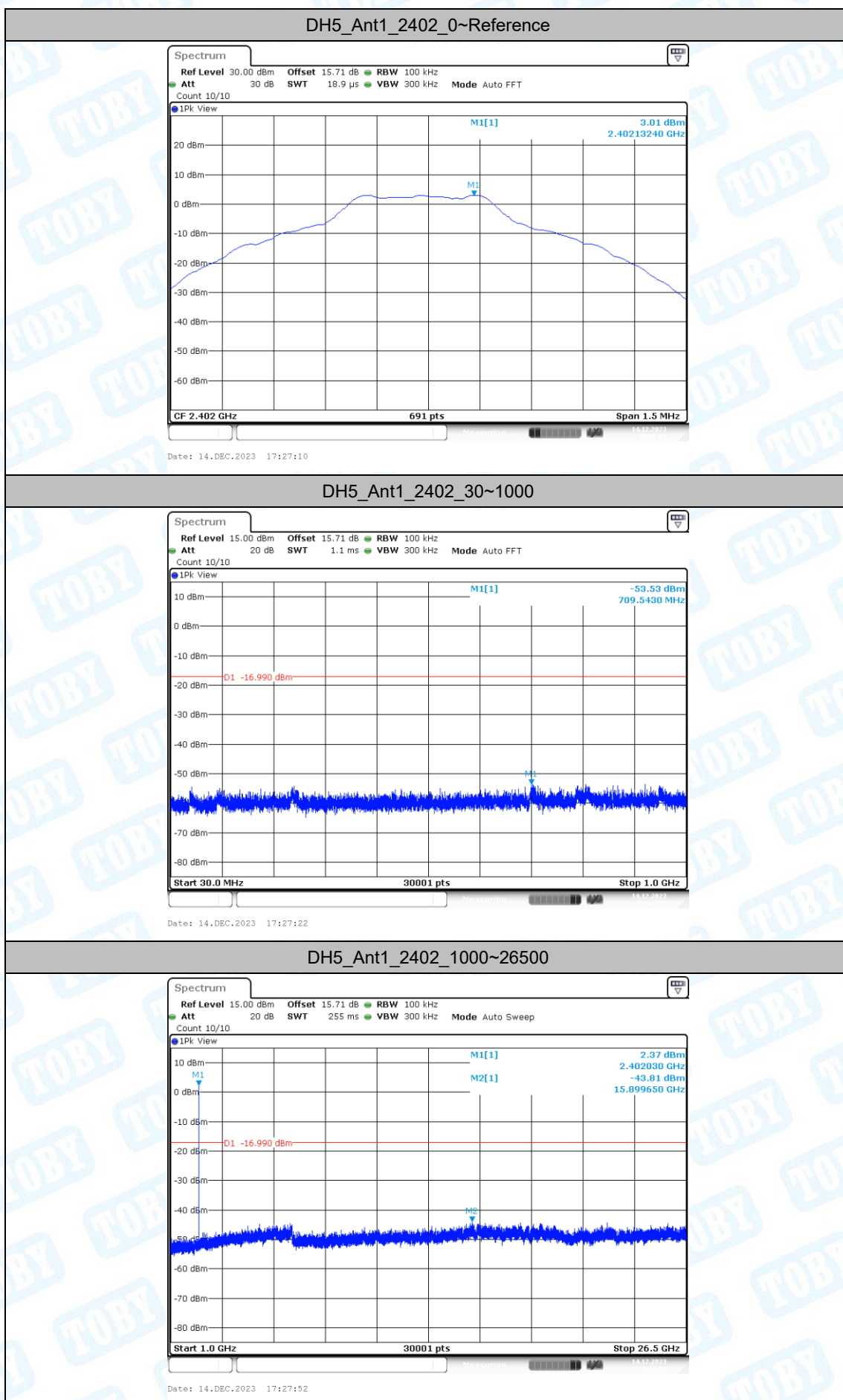


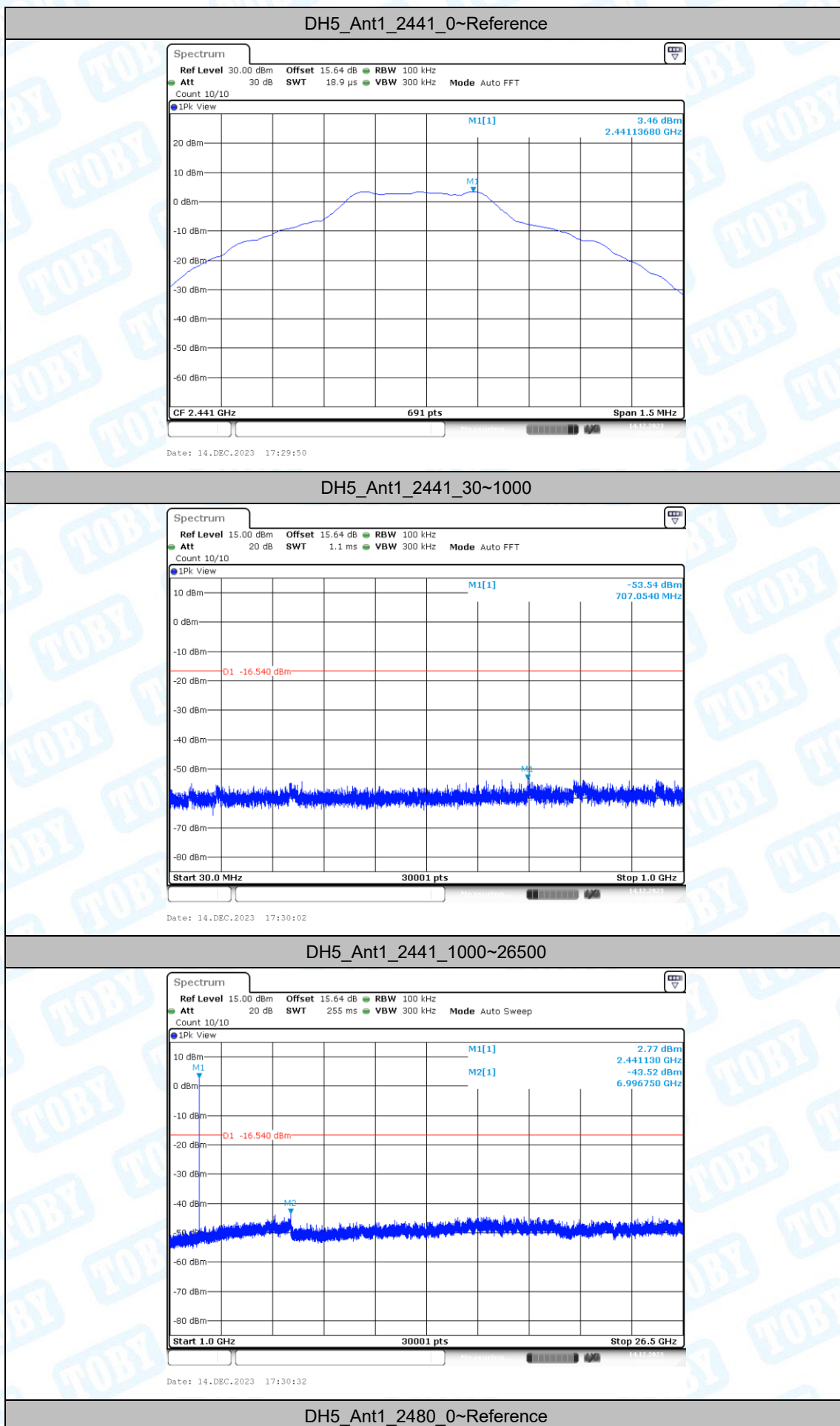
8. Conducted Spurious Emission

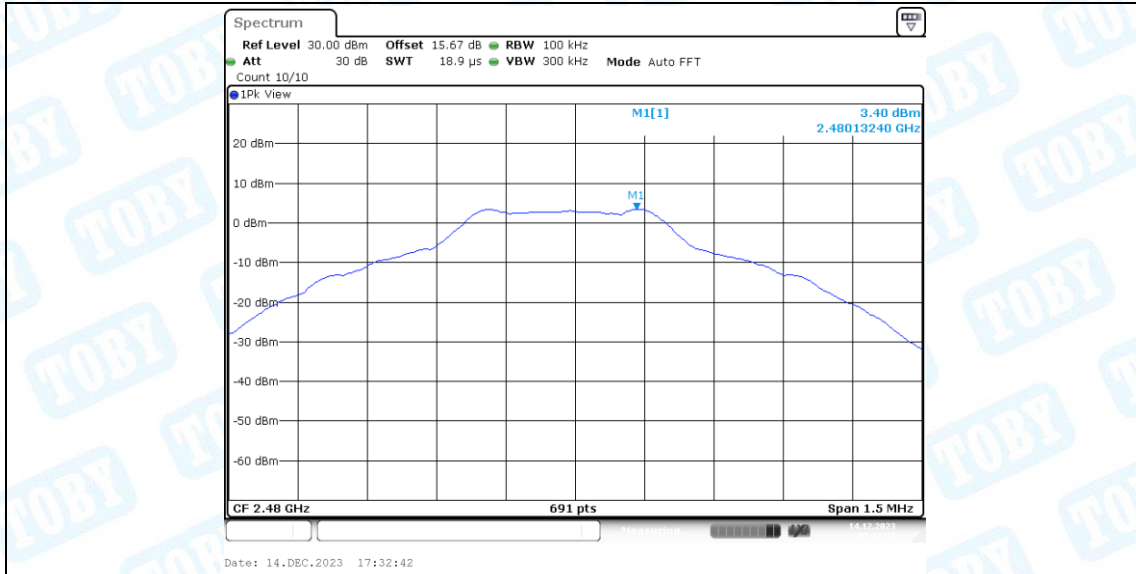
8.1. Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.01	3.01	---	PASS
			30~1000	3.01	-53.53	≤-16.99	PASS
			1000~26500	3.01	-43.81	≤-16.99	PASS
		2441	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-53.54	≤-16.54	PASS
			1000~26500	3.46	-43.52	≤-16.54	PASS
		2480	Reference	3.40	3.40	---	PASS
			30~1000	3.40	-53.52	≤-16.6	PASS
			1000~26500	3.40	-43.65	≤-16.6	PASS
2DH5	Ant1	2402	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-52.16	≤-17.02	PASS
			1000~26500	2.98	-43.47	≤-17.02	PASS
		2441	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-53.26	≤-16.64	PASS
			1000~26500	3.36	-43.94	≤-16.64	PASS
		2480	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-52.67	≤-16.69	PASS
			1000~26500	3.31	-43.4	≤-16.69	PASS
3DH5	Ant1	2402	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-52.11	≤-17.01	PASS
			1000~26500	2.99	-44.26	≤-17.01	PASS
		2441	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-52.69	≤-16.54	PASS
			1000~26500	3.46	-43.94	≤-16.54	PASS
		2480	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-52.63	≤-16.62	PASS
			1000~26500	3.38	-43.84	≤-16.62	PASS

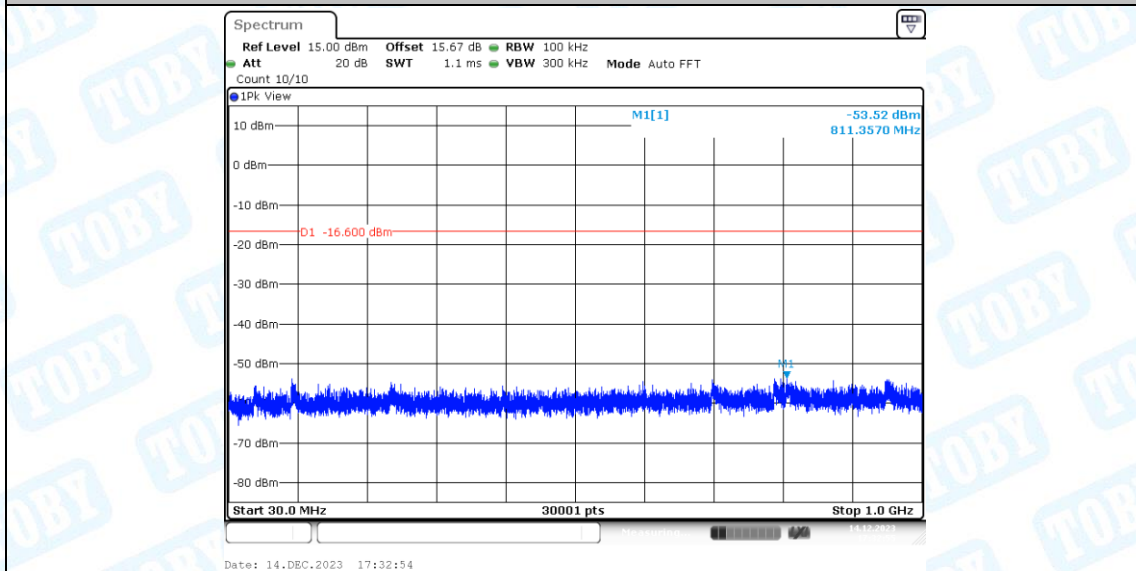
8.2.Test Graphs



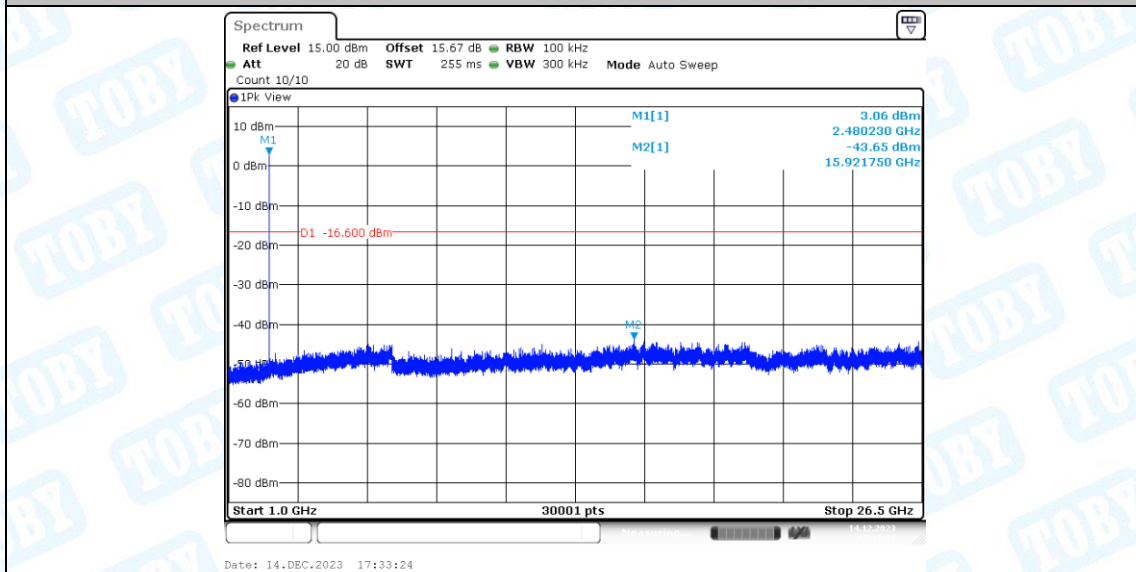




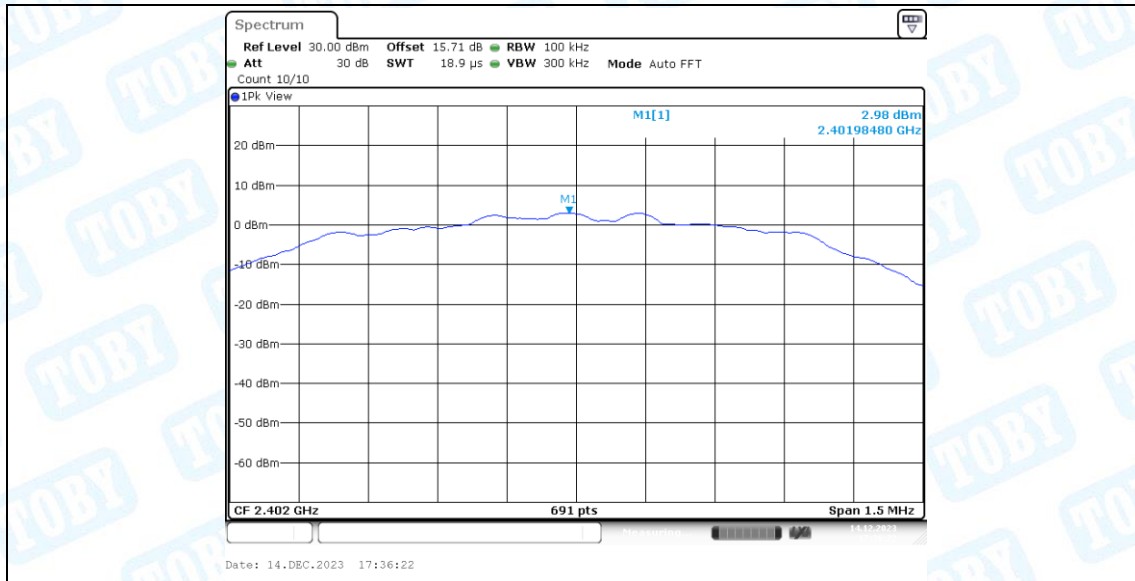
DH5_Ant1_2480_30~1000



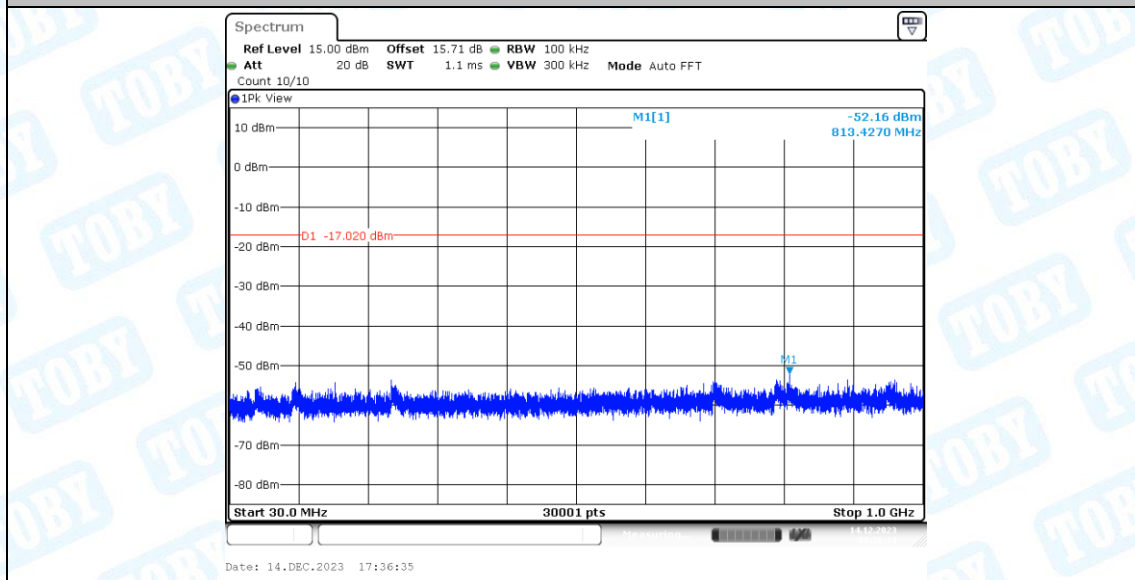
DH5_Ant1_2480_1000~26500



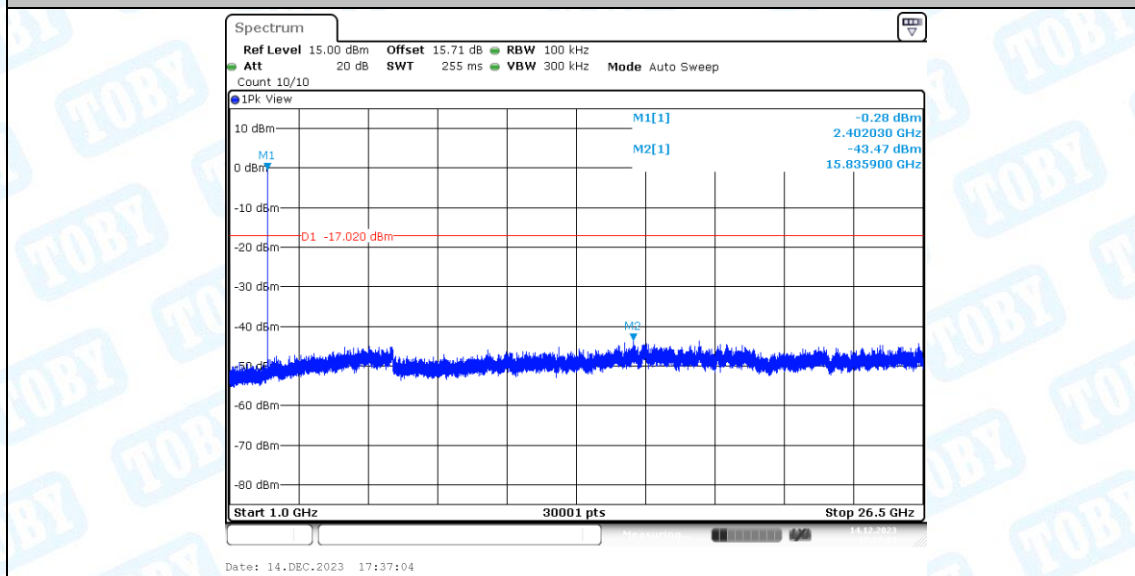
2DH5_Ant1_2402_0~Reference



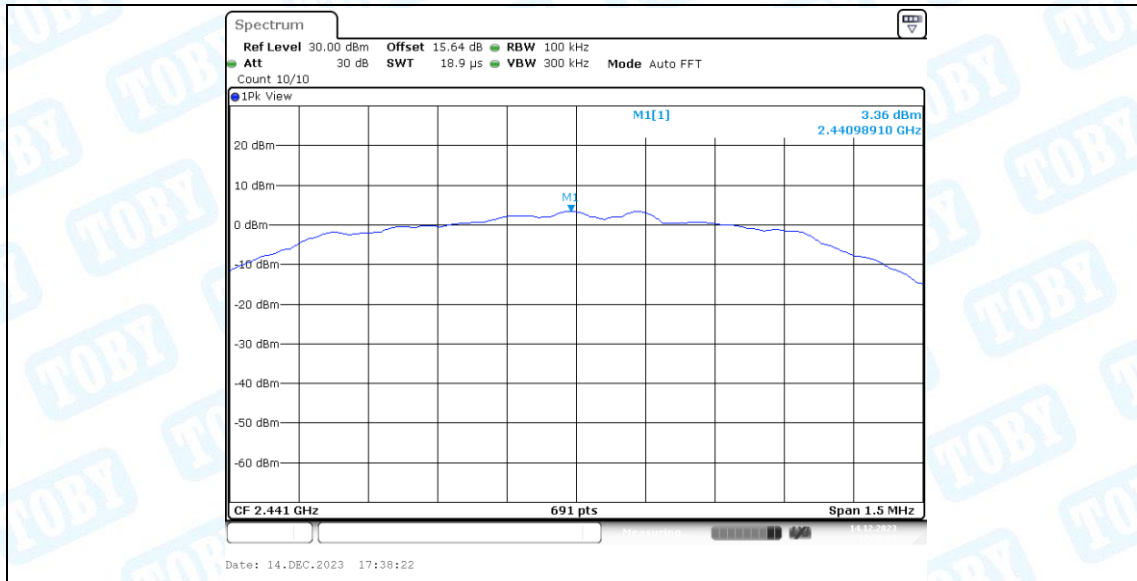
2DH5_Ant1_2402_30~1000



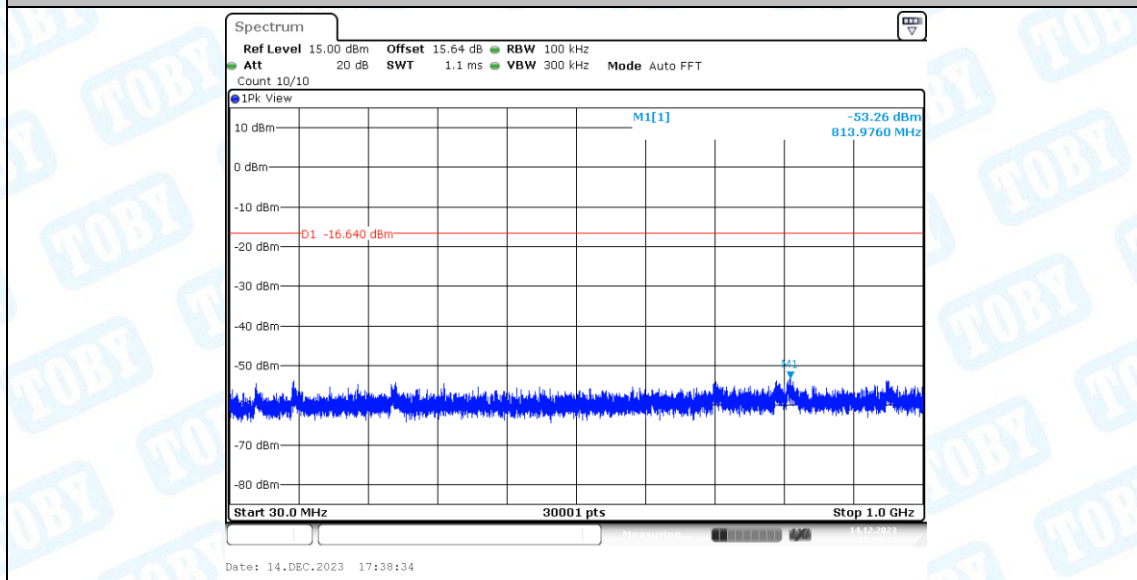
2DH5_Ant1_2402_1000~26500



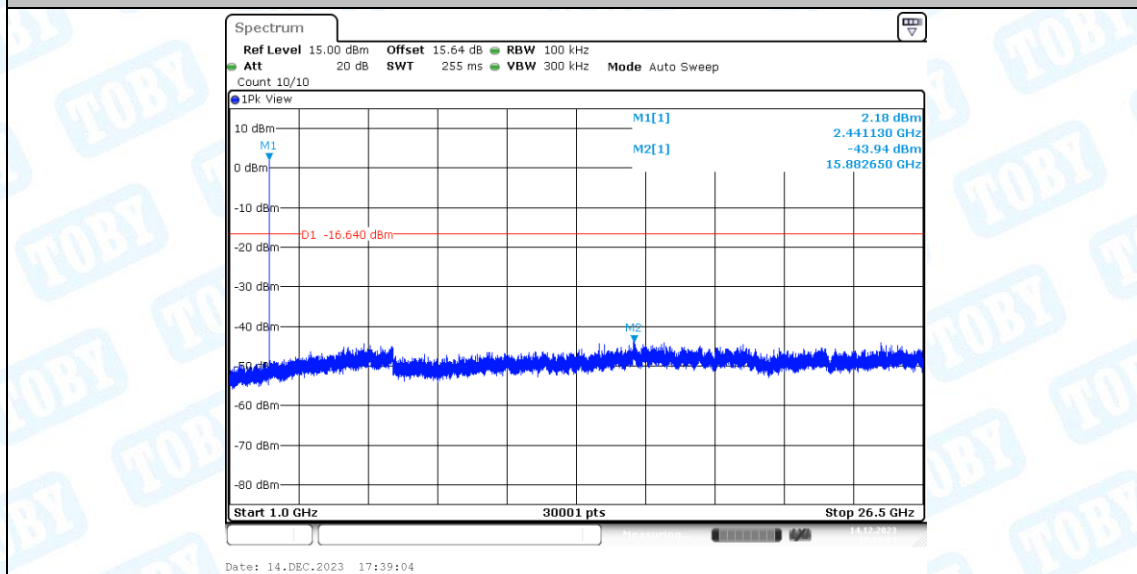
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference