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

General Description of EUT	
Product Name:	**MINI projector**
Test Model:	**P10**
Sample ID:	**202204-0018_01-02#**
Environmental Conditions	
Temperature:	**25℃**
Relative Humidity:	**55%**
Test Voltage:	**AC 120V**
Test Engineer:	**Huangjianping**
Note: For a more detailed features description, please refer to the report TBR-C-202204-0018-2	

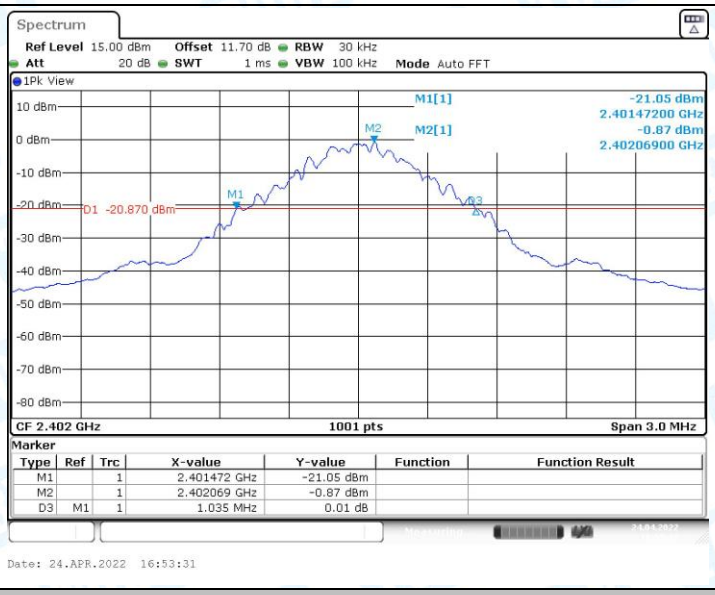
Contents

1. 20dB Emission Bandwidth

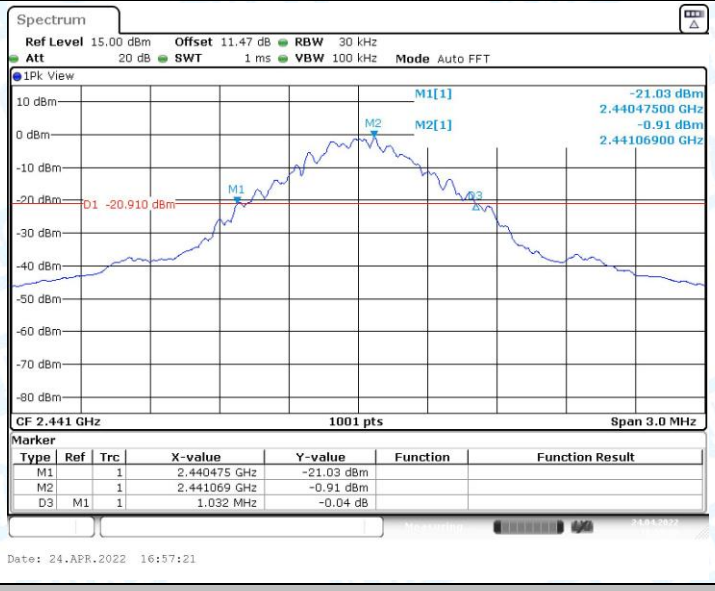
1.1.Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.03	---	---
		2441	1.03	---	---
		2480	1.03	---	---
2DH5	Ant1	2402	1.36	---	---
		2441	1.37	---	---
		2480	1.36	---	---
3DH5	Ant1	2402	1.36	---	---
		2441	1.36	---	---
		2480	1.35	---	---

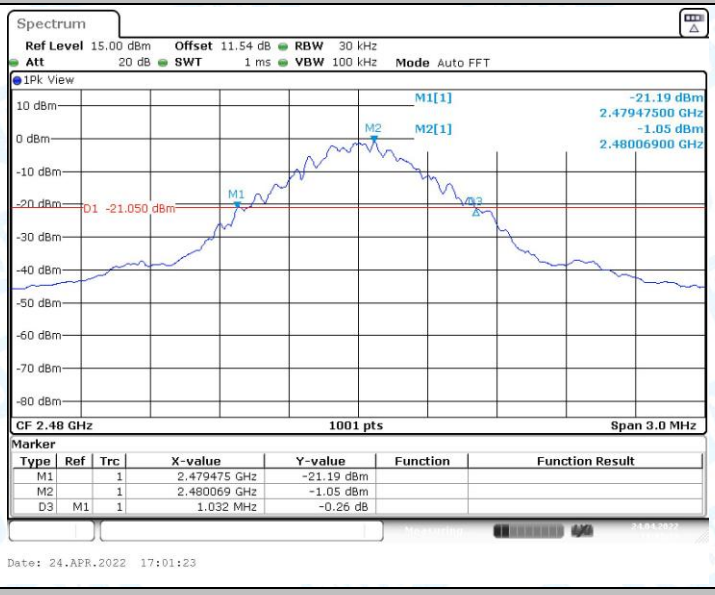
1.2.Test Graphs



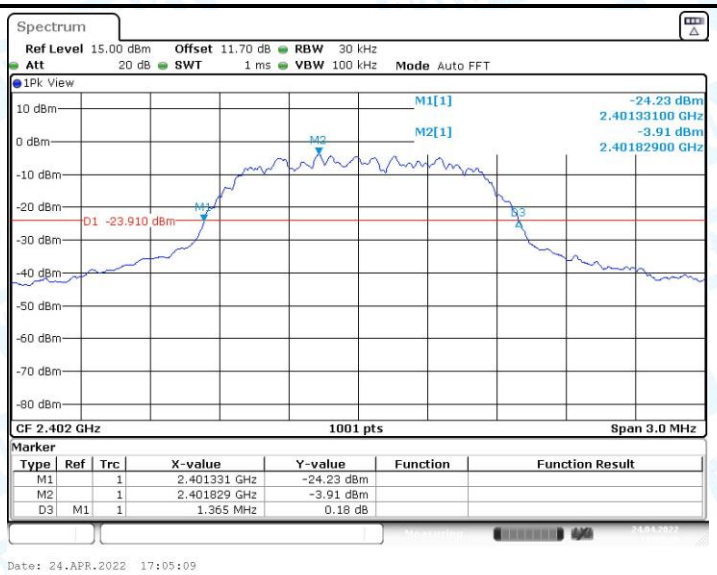
DH5_Ant1_2402



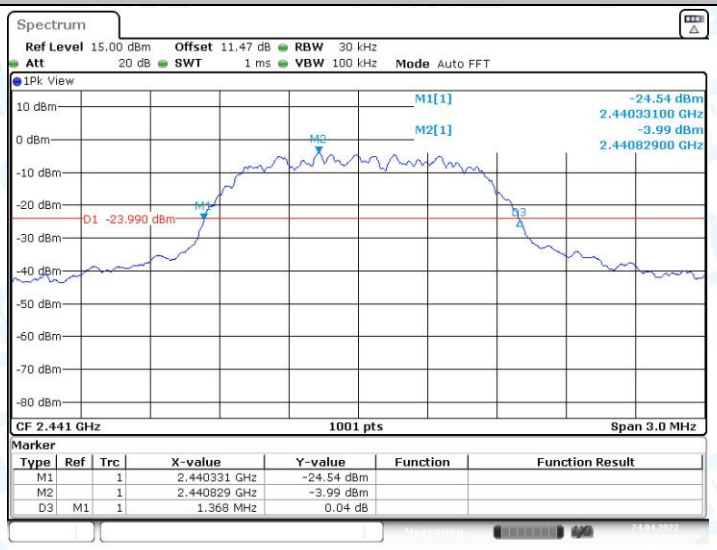
DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



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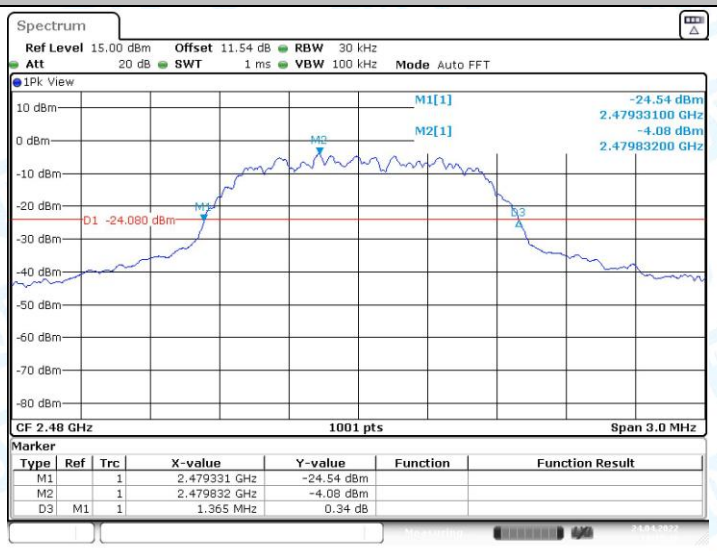
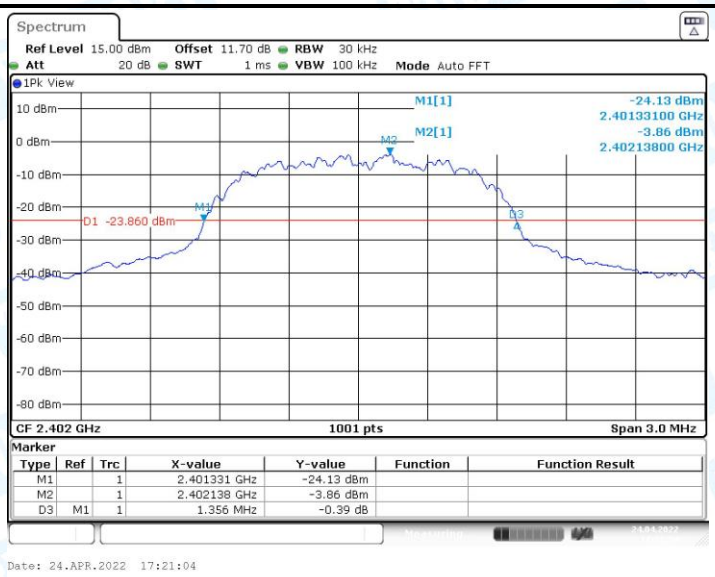
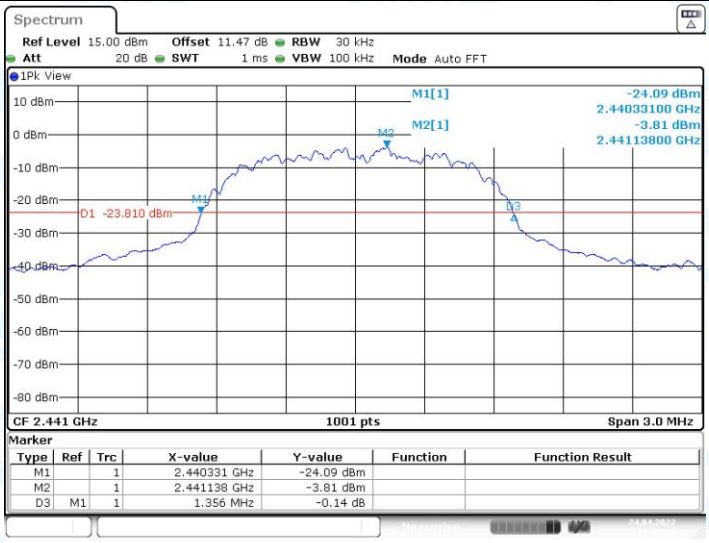


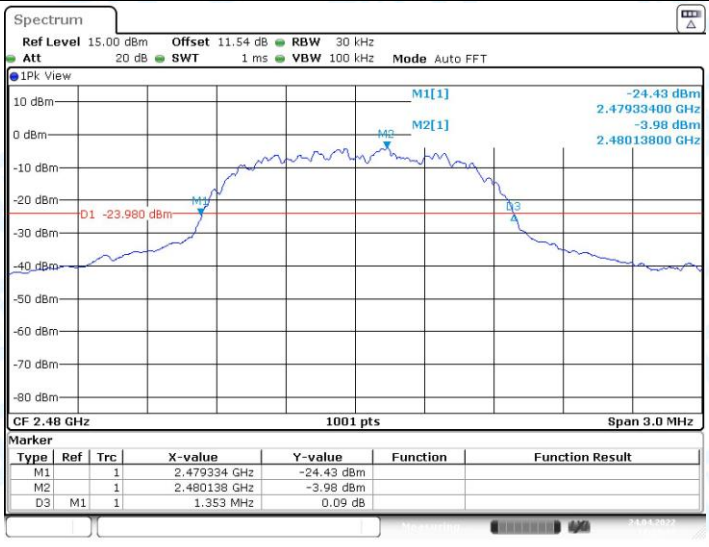
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



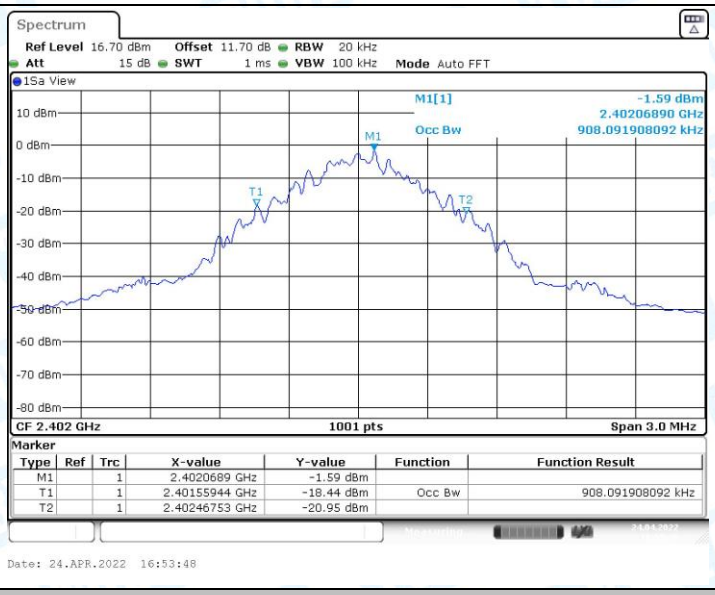
3DH5_Ant1_2480

2. Occupied Channel Bandwidth

2.1.Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.908	2401.559	2402.468	---	---
		2441	0.908	2440.559	2441.468	---	---
		2480	0.905	2479.559	2480.465	---	---
2DH5	Ant1	2402	1.199	2401.413	2402.611	---	---
		2441	1.199	2440.413	2441.611	---	---
		2480	1.199	2479.413	2480.611	---	---
3DH5	Ant1	2402	1.205	2401.404	2402.608	---	---
		2441	1.205	2440.404	2441.608	---	---
		2480	1.205	2479.404	2480.608	---	---

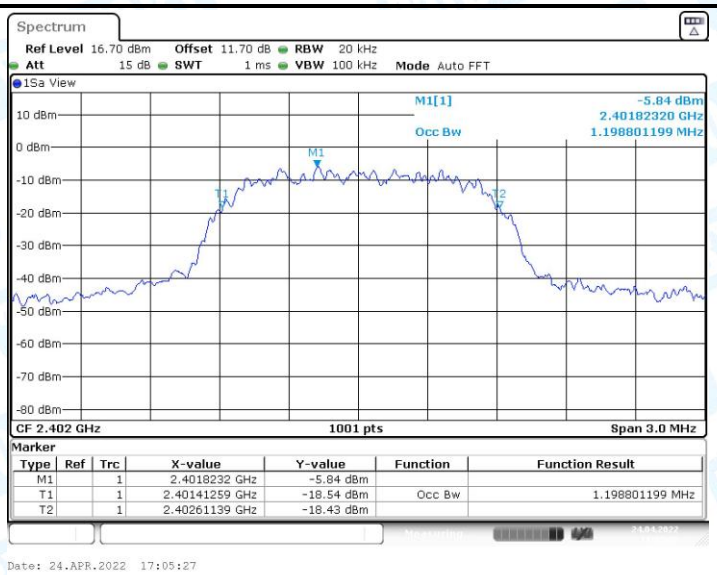
2.2.Test Graphs



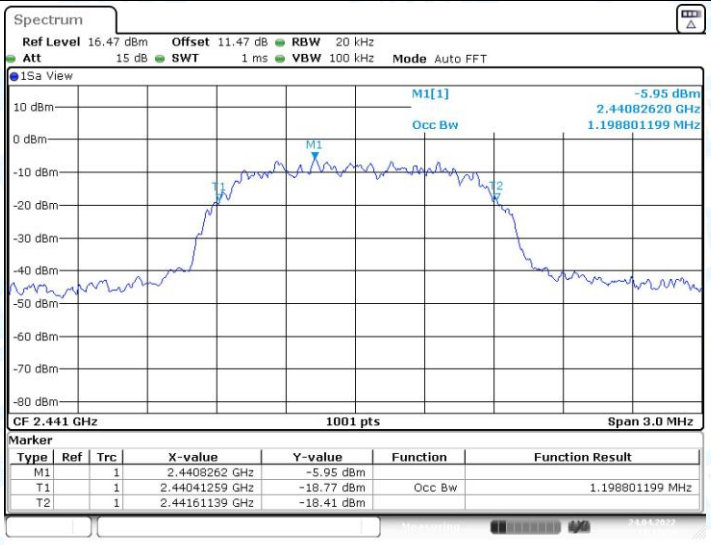
DH5_Ant1_2402

DH5_Ant1_2441

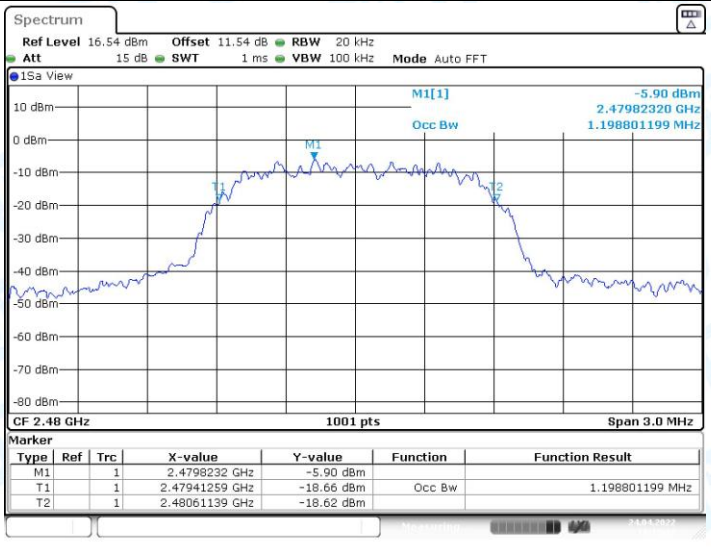
DH5_Ant1_2480



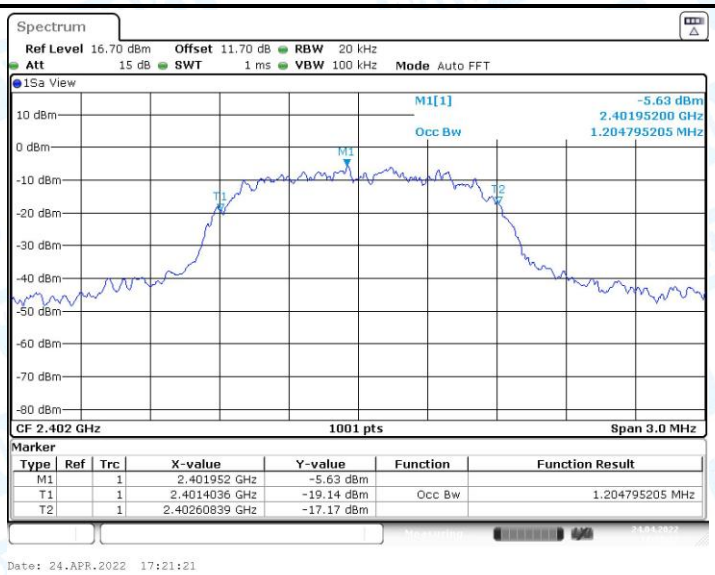
2DH5_Ant1_2402



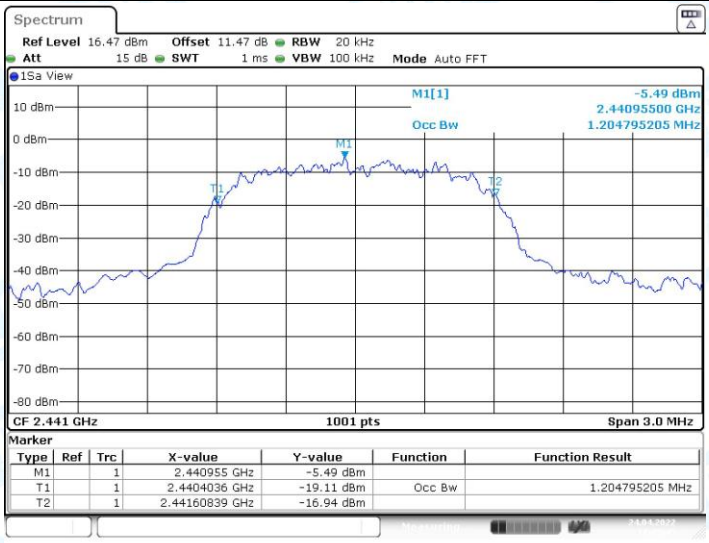
2DH5_Ant1_2441



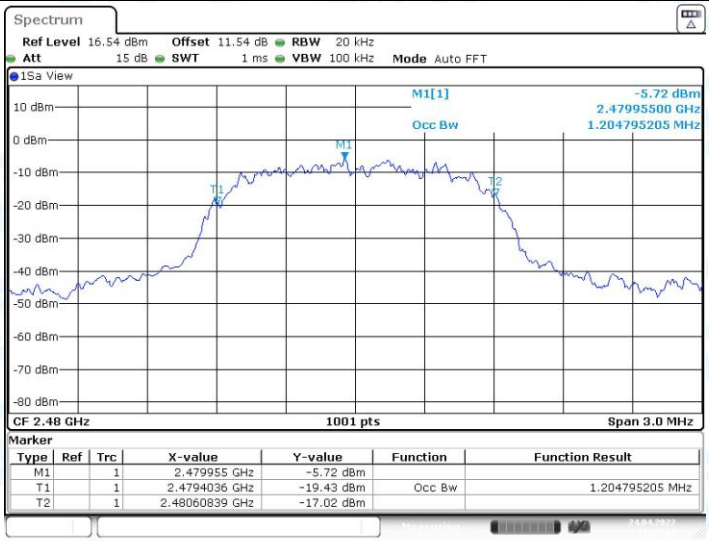
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



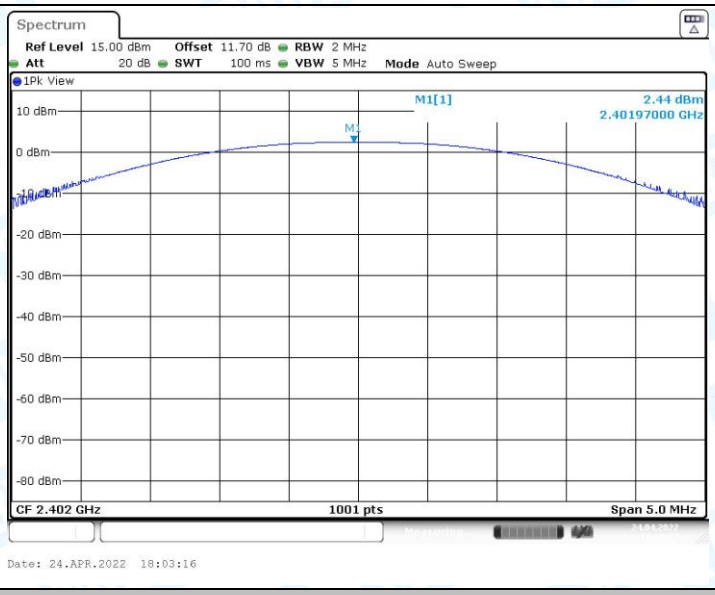
3DH5_Ant1_2480

3. Maximum conducted output power

3.1.Test Result

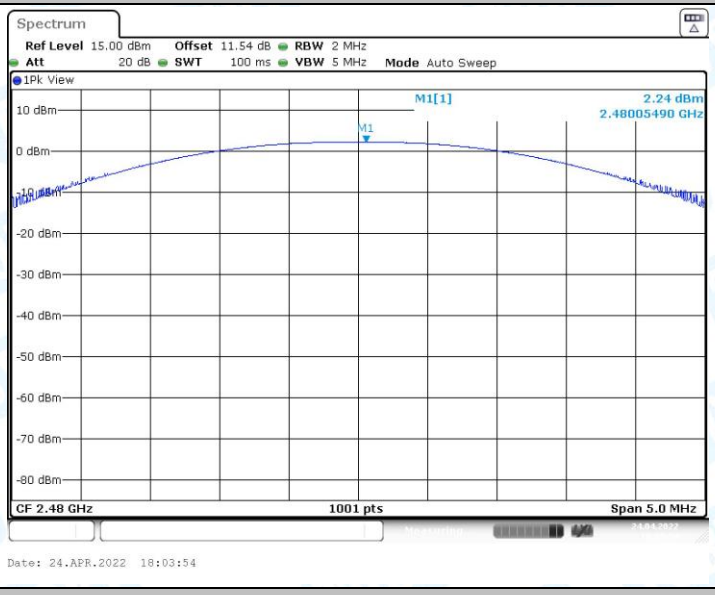
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.44	≤20.97	PASS
		2441	2.34	≤20.97	PASS
		2480	2.24	≤20.97	PASS
2DH5	Ant1	2402	4.47	≤20.97	PASS
		2441	4.33	≤20.97	PASS
		2480	4.26	≤20.97	PASS
3DH5	Ant1	2402	4.69	≤20.97	PASS
		2441	4.5	≤20.97	PASS
		2480	4.45	≤20.97	PASS

3.2.Test Graphs

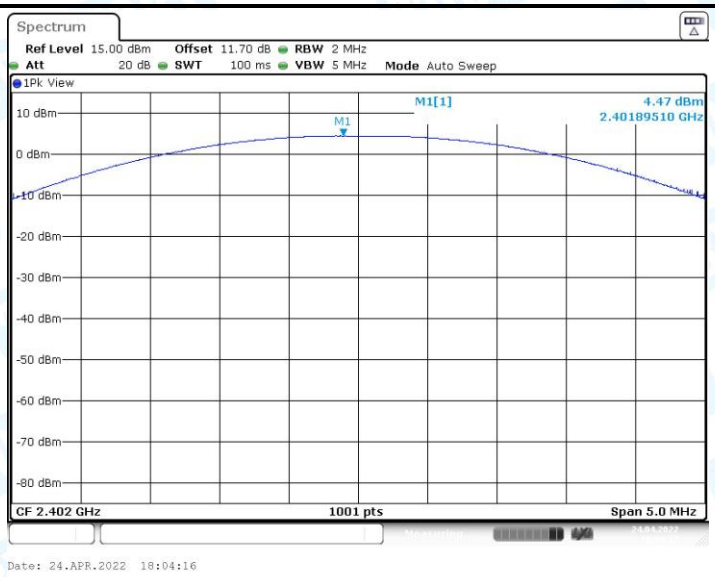


DH5_Ant1_2402

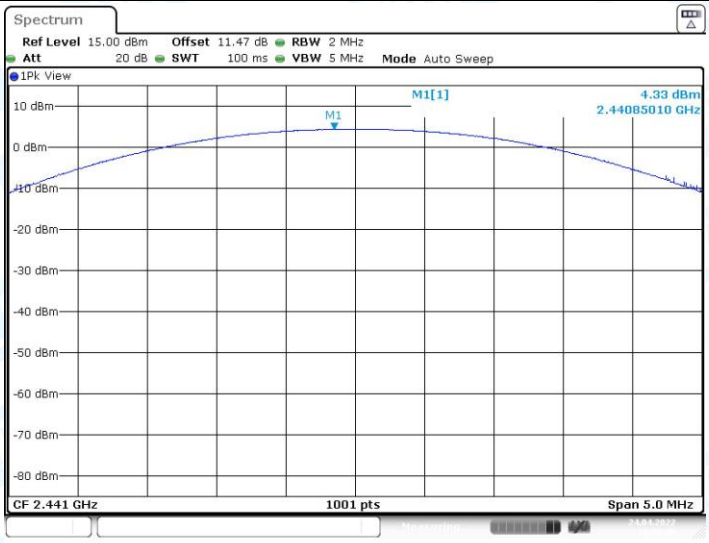
DH5_Ant1_2441



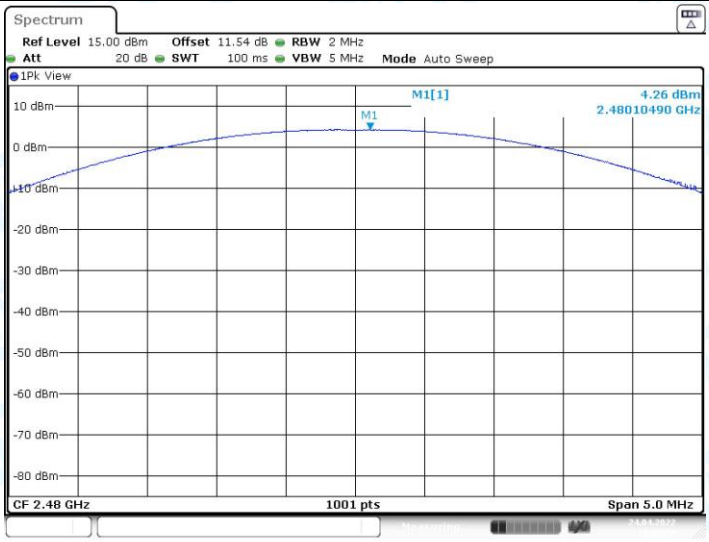
DH5_Ant1_2480



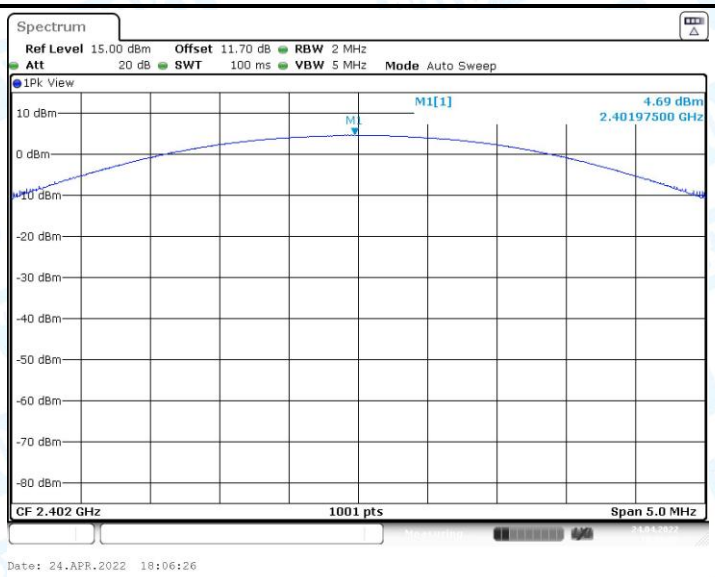
2DH5_Ant1_2402



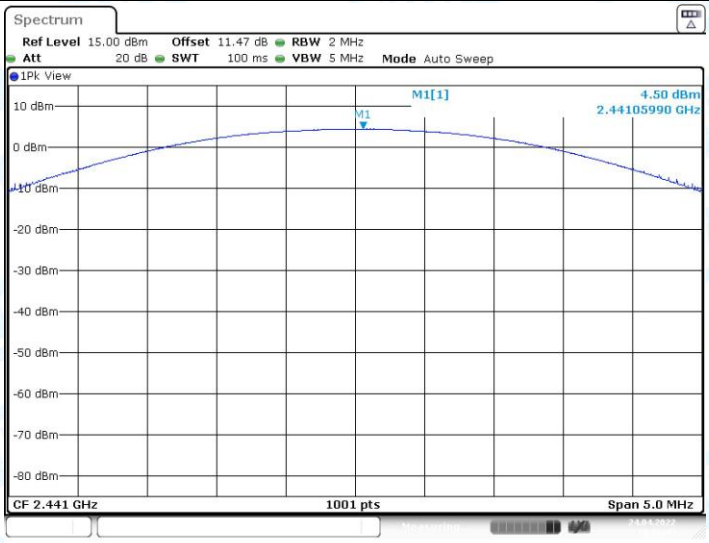
2DH5_Ant1_2441



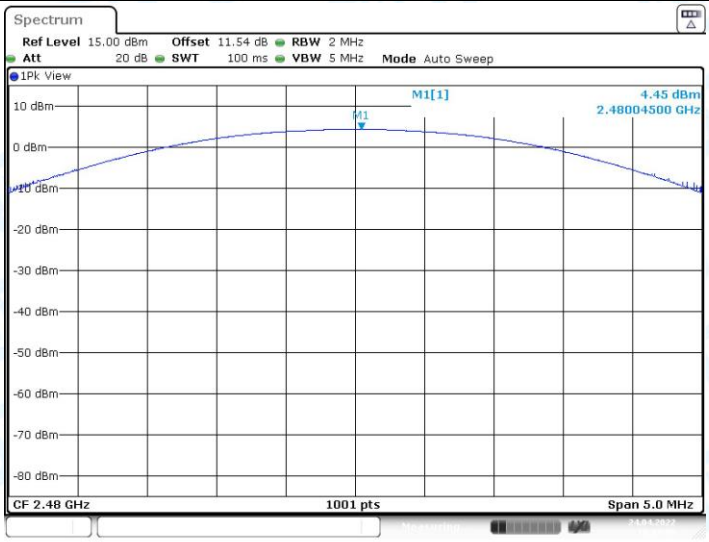
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



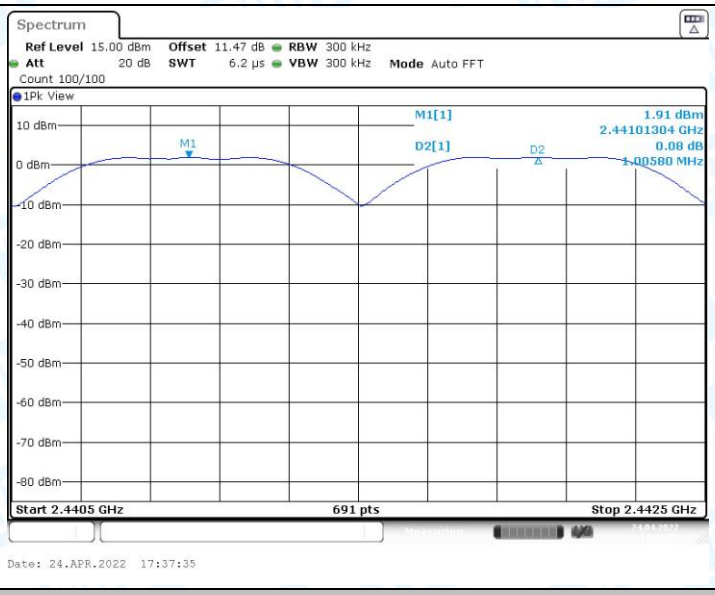
3DH5_Ant1_2480

4. Carrier frequency separation

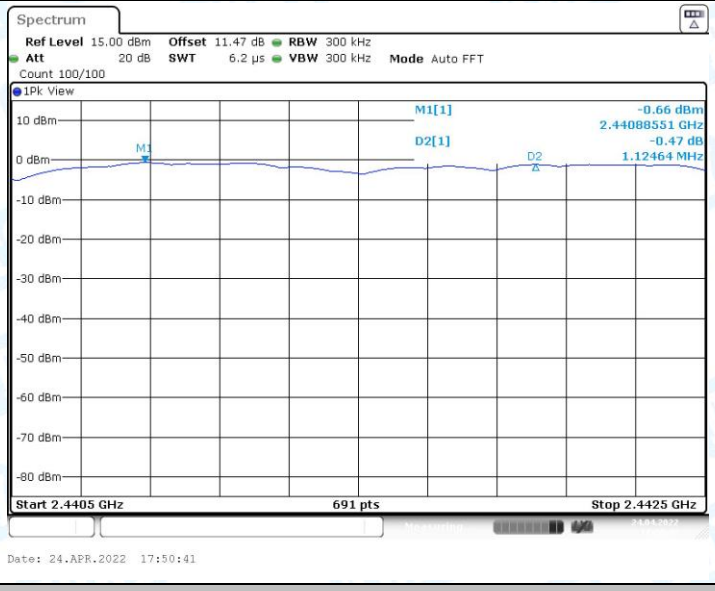
4.1.Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.687	PASS
2DH5	Ant1	Hop	1.125	≥0.913	PASS
3DH5	Ant1	Hop	1.075	≥0.907	PASS

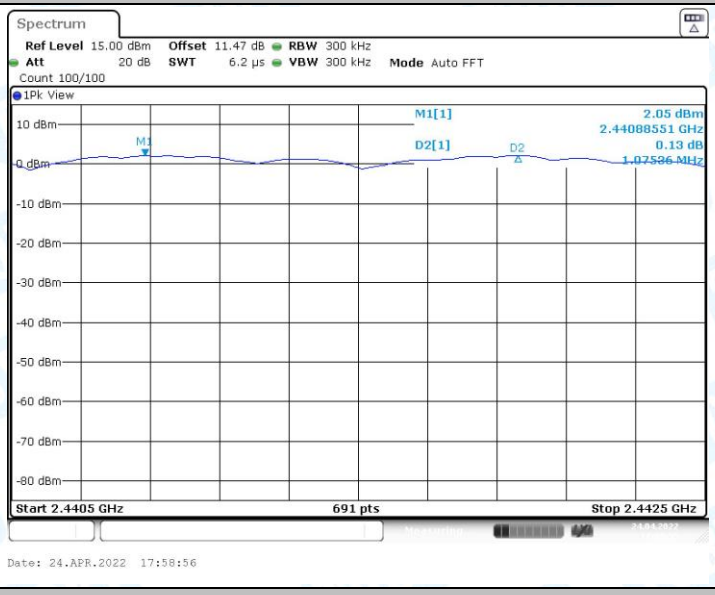
4.2.Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



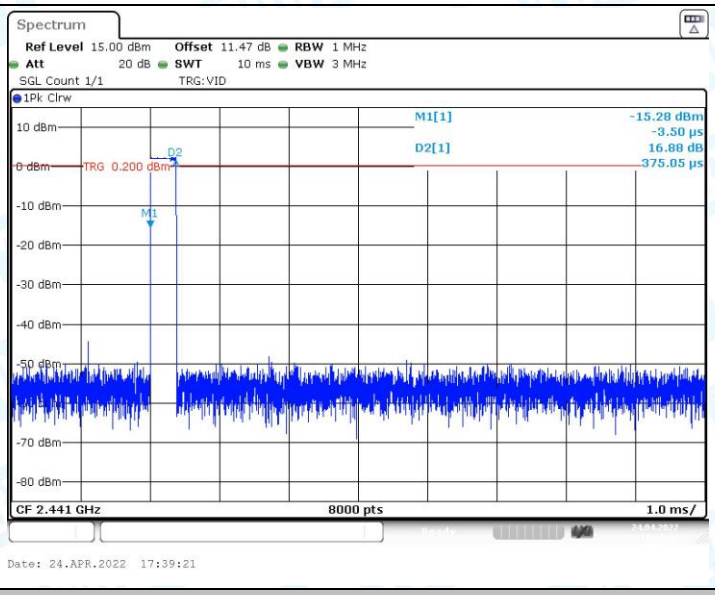
3DH5_Ant1_Hop

5. Time of occupancy

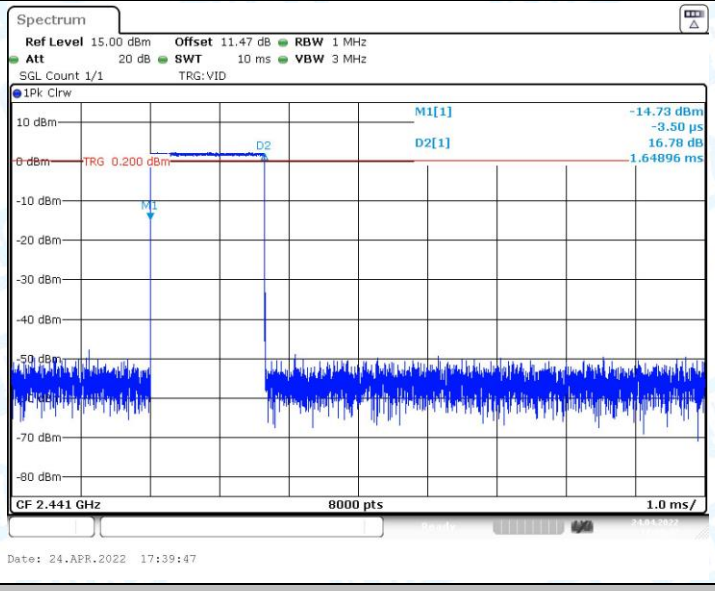
5.1.Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.65	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.91	106.67	0.31	≤0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.64	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.92	106.67	0.311	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.65	160	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.91	106.67	0.31	≤0.4	PASS

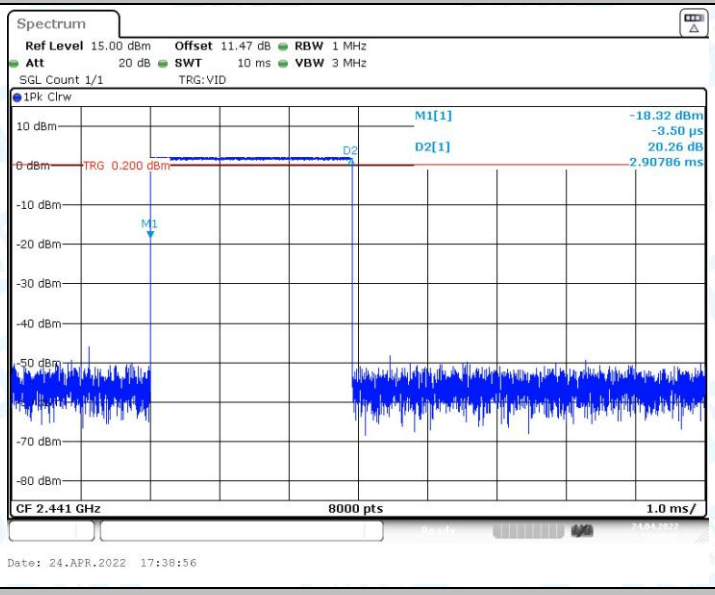
5.2.Test Graphs



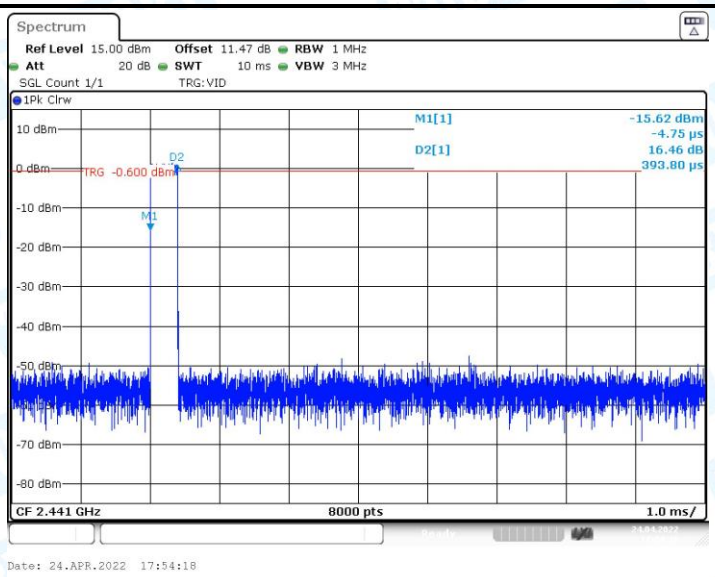
DH1_Ant1_Hop



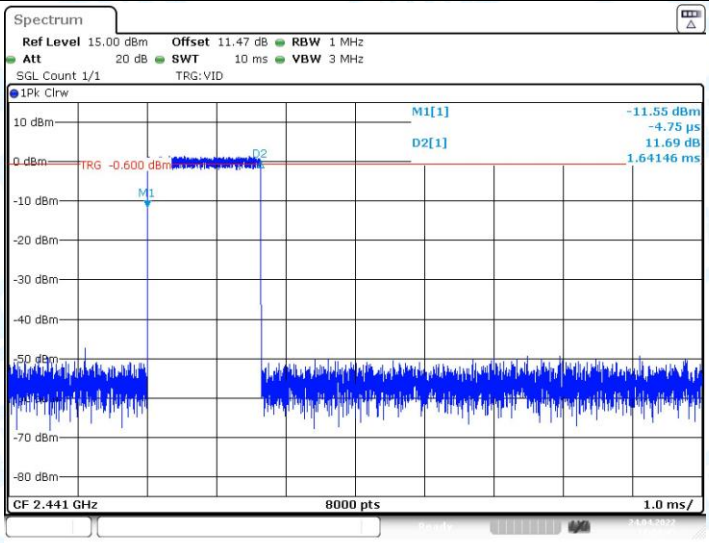
DH3_Ant1_Hop



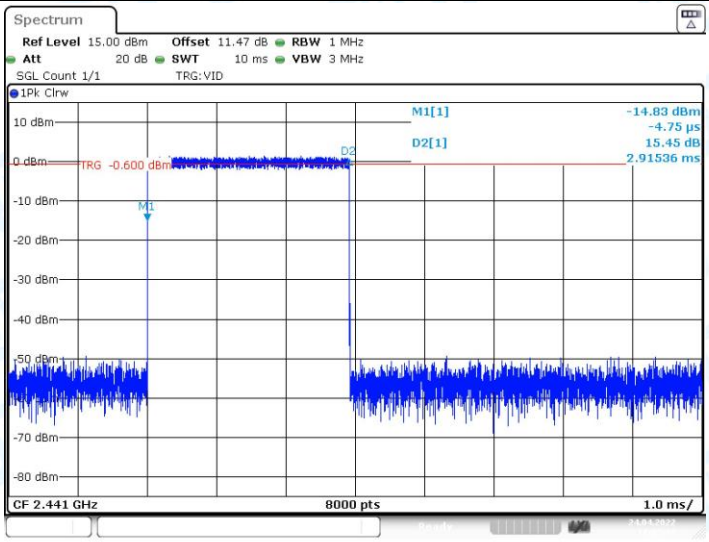
DH5_Ant1_Hop



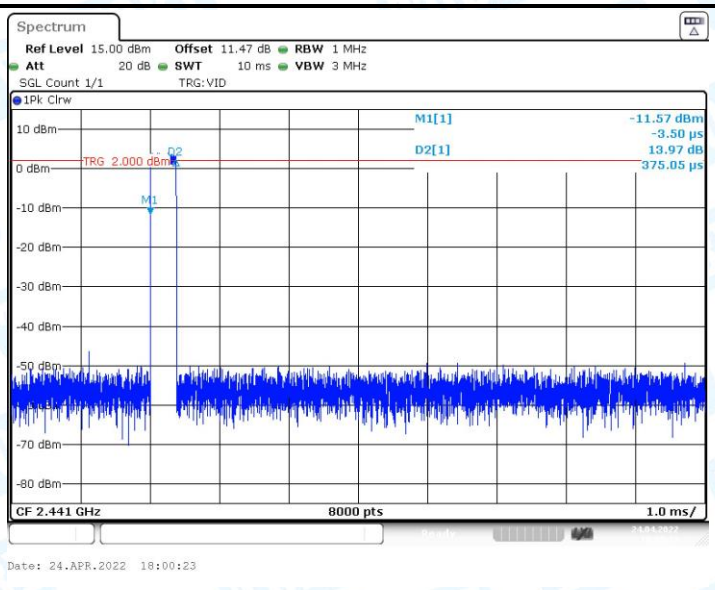
2DH1_Ant1_Hop



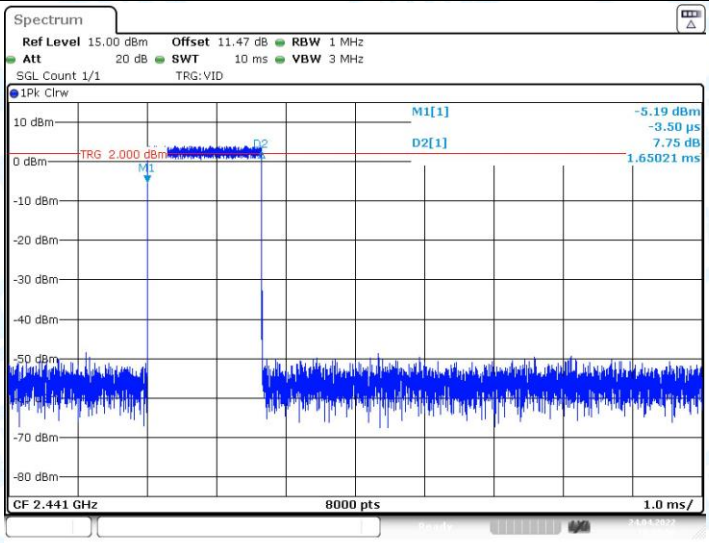
2DH3_Ant1_Hop



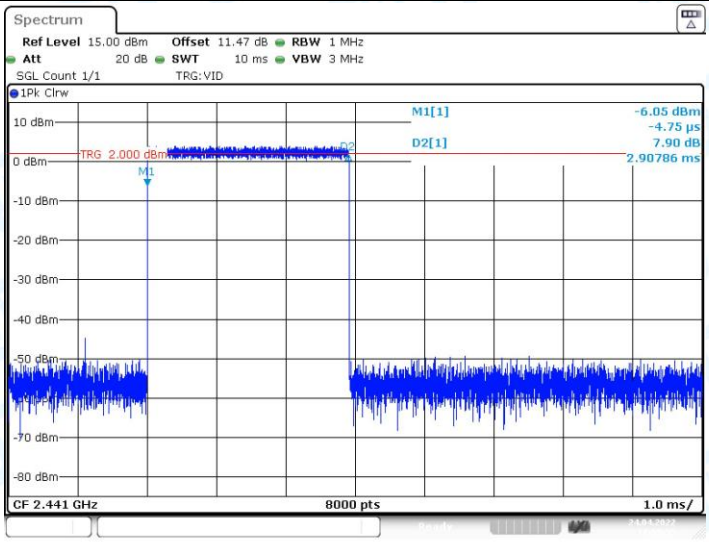
2DH5_Ant1_Hop



3DH1_Ant1_Hop



3DH3_Ant1_Hop



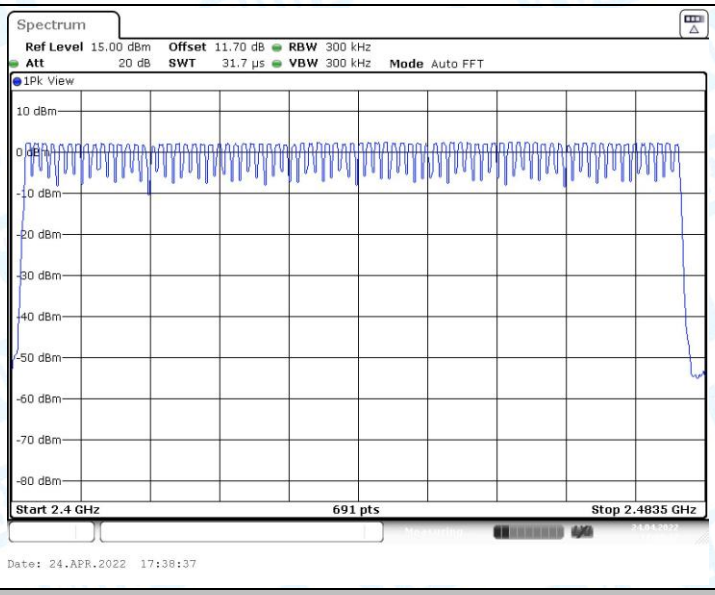
3DH5_Ant1_Hop

6. Number of hopping channels

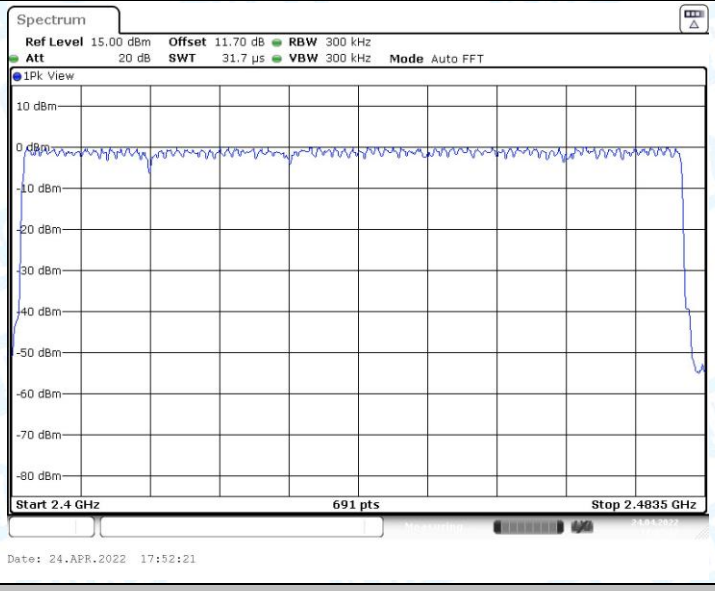
6.1.Test Result

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

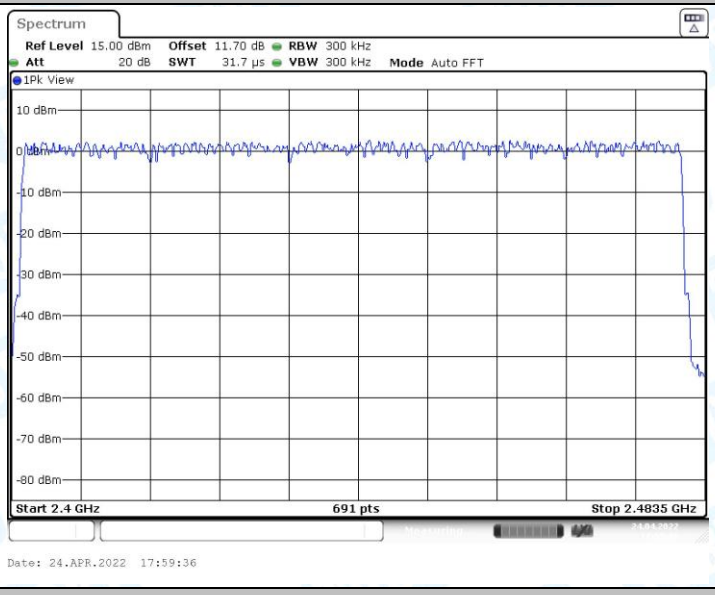
6.2.Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



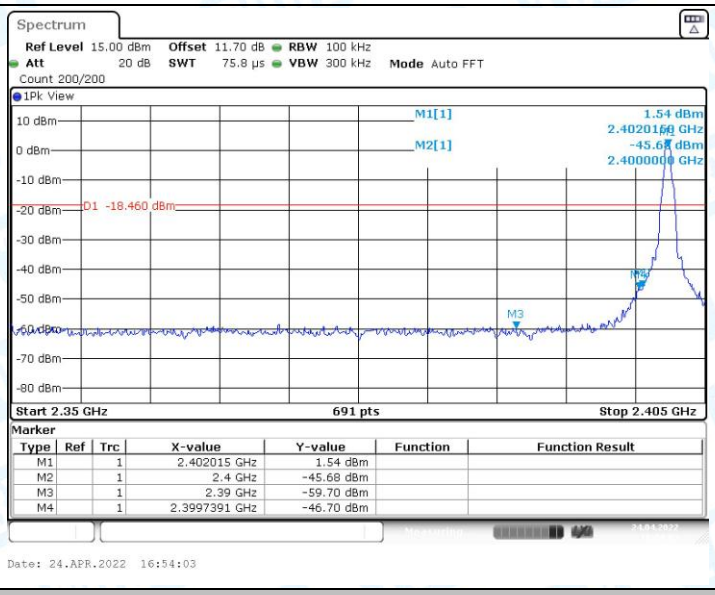
3DH5_Ant1_Hop

7.Band edge measurements

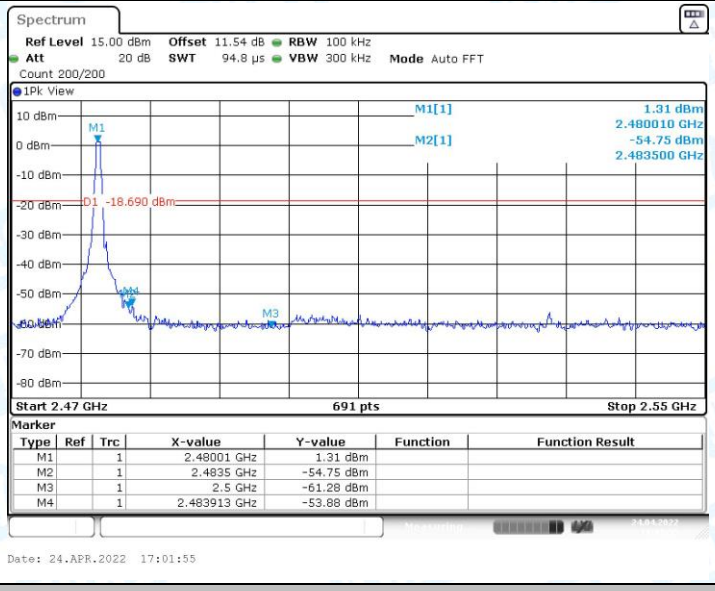
7.1.Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.54	-46.7	≤-18.46	PASS
		High	2480	1.31	-53.88	≤-18.69	PASS
		Low	Hop_2402	1.52	-57.4	≤-18.48	PASS
		High	Hop_2480	1.52	-54.48	≤-18.48	PASS
2DH5	Ant1	Low	2402	0.55	-51.88	≤-19.45	PASS
		High	2480	0.00	-55.92	≤-20	PASS
		Low	Hop_2402	-0.34	-58.11	≤-20.34	PASS
		High	Hop_2480	-2.72	-55.57	≤-22.72	PASS
3DH5	Ant1	Low	2402	0.50	-49.86	≤-19.5	PASS
		High	2480	0.28	-55.76	≤-19.72	PASS
		Low	Hop_2402	-0.20	-58.27	≤-20.2	PASS
		High	Hop_2480	0.40	-56.09	≤-19.6	PASS

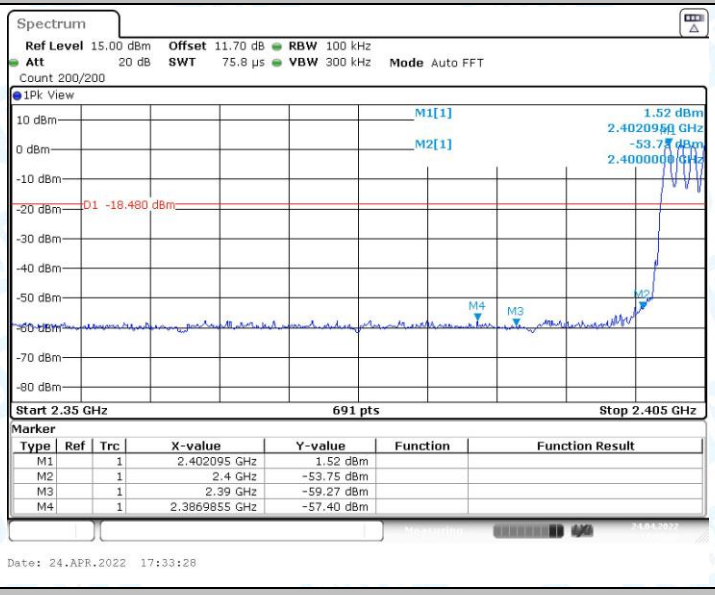
7.2.Test Graphs



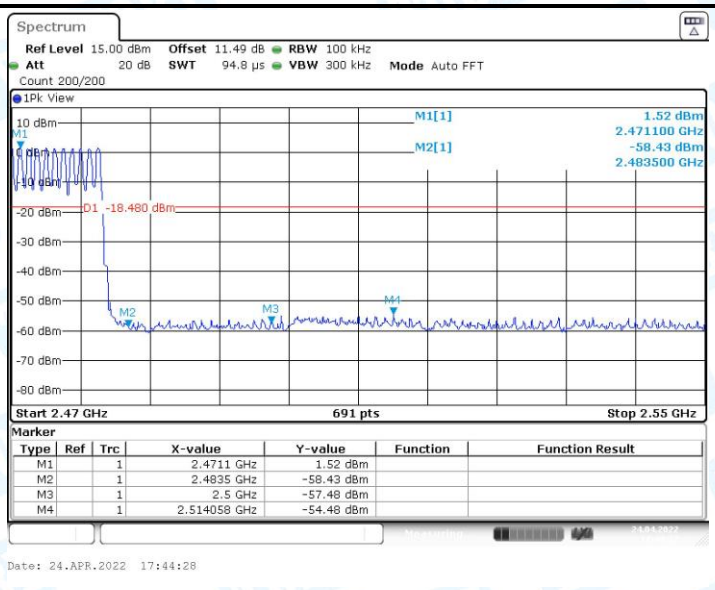
DH5_Ant1_Low_2402



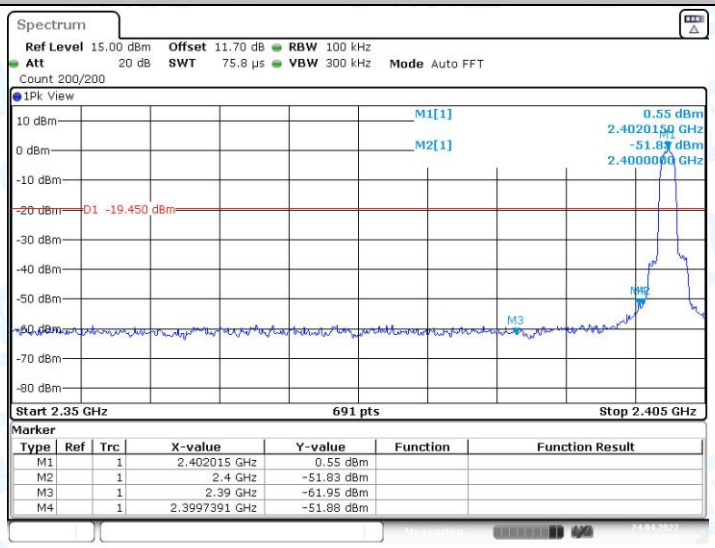
DH5_Ant1_High_2480



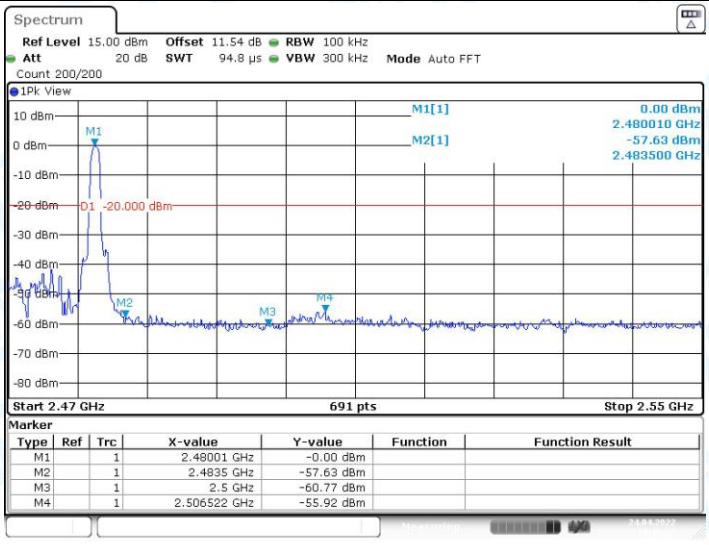
DH5_Ant1_Low_Hop_2402



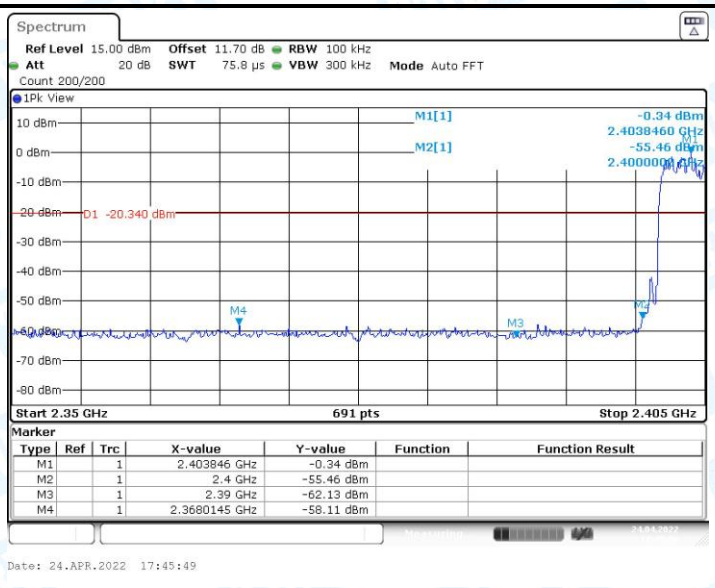
DH5_Ant1_High_Hop_2480



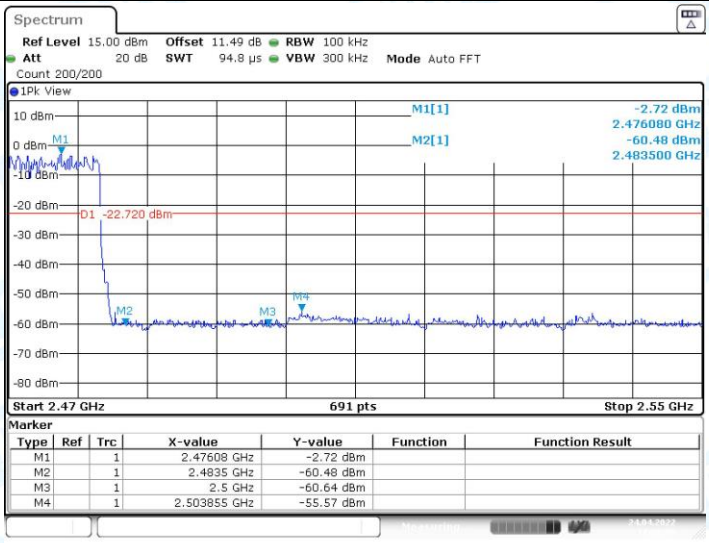
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



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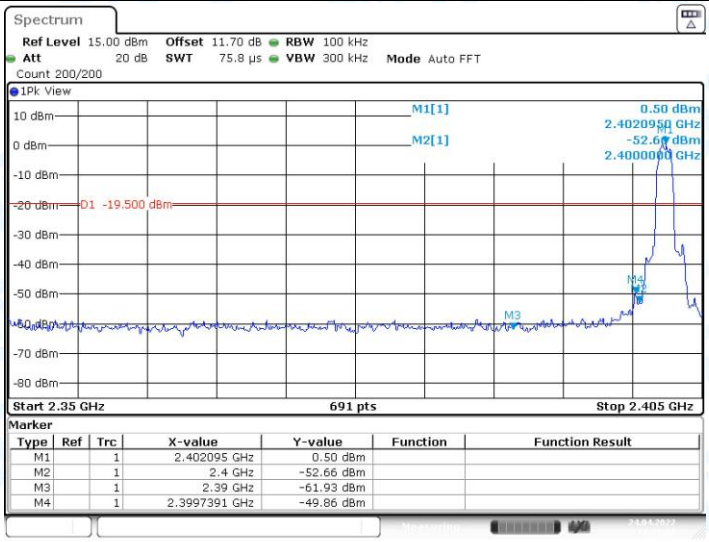

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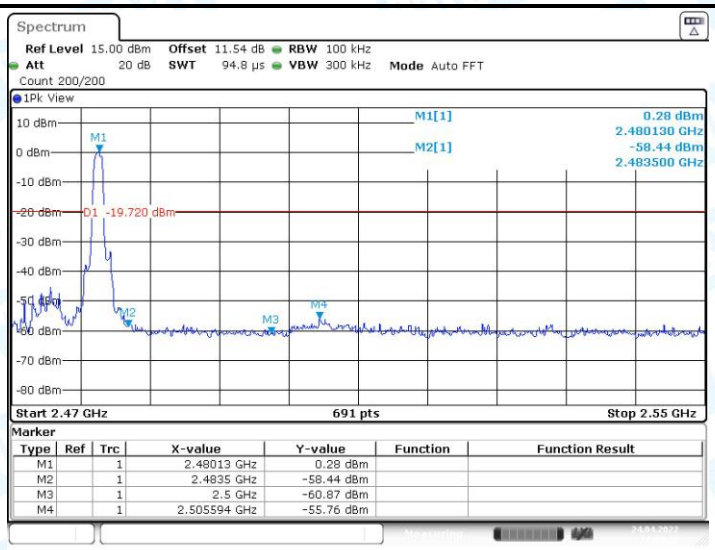

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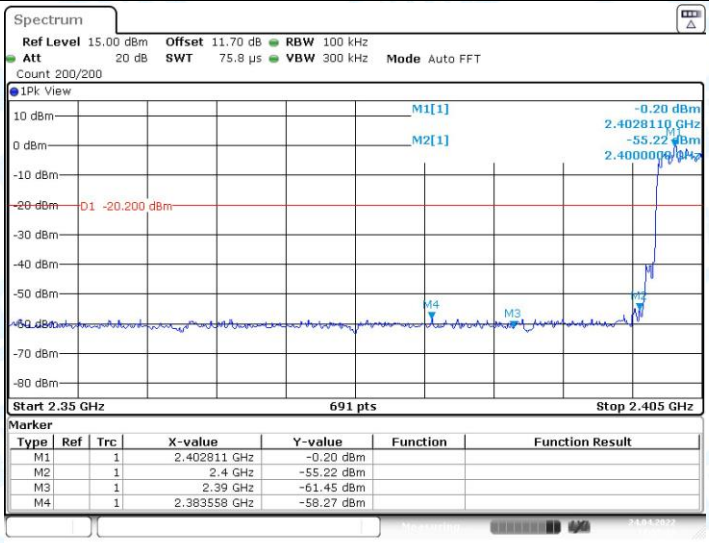

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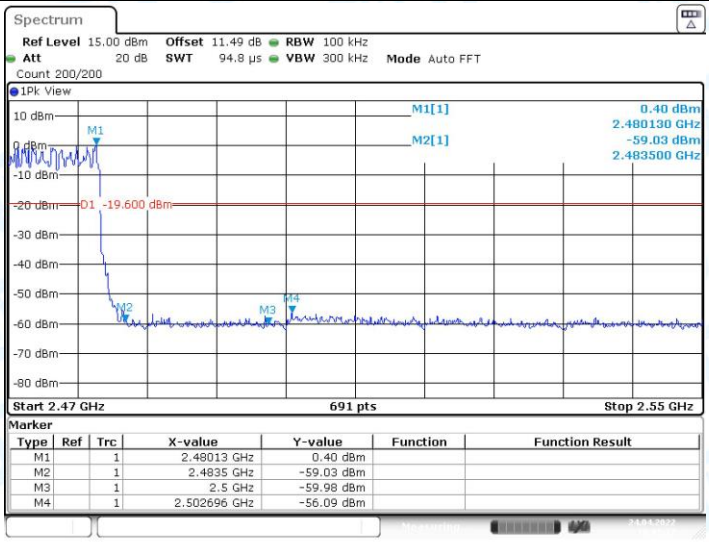

3DH5_Ant1_High_Hop_2480