FCC AND ISED CERTIFICATION TEST REPORT

Applicant	:	Minami Acoustics Limited
Address of Applicant	:	No.13, Maonan Road, Torch Development District, Zhongshan City, Guangdong Province, P.R.China
Manufacturer	:	Minami Acoustics Limited
Address of Manufacturer	:	No.13, Maonan Road, Torch Development District, Zhongshan City, Guangdong Province, P.R.China
Equipment under Test	:	Wireless Earbuds
Model No.	:	AMZ-B8930B
FCC ID	:	2BBBFB0DQSJ4QHB
IC	:	30577-B0DQSJ4QHB
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 3 August 2023, ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)
Report No.	:	DDT-RE25032426-1E01
Issue Date	:	2025/05/22
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	Minami Acoustics Limited
Address of Applicant	:	No.13, Maonan Road, Torch Development District, Zhongshan City, Guangdong Province, P.R.China
Equipment under Test	:	Wireless Earbuds
Model No.	:	AMZ-B8930B
Manufacturer	:	Minami Acoustics Limited
Address of Manufacturer	:	No.13, Maonan Road, Torch Development District, Zhongshan City, Guangdong Province, P.R.China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
RSS-247 Issue 3 August 2023,
ANSI C63.10:2013,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE25032426-1E01		
Date of Receipt:	2025/03/27	**Date of Test:**	2025/03/27 - 2025/05/14

Created: Bobo Chen	Reviewed: Ella Gong	Approved: Damon Hu
Bobo Chen	Ella Gong	Damon Hu
2025/05/19	2025/05/22	2025/05/22

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
---	Initial issue	2025/05/22	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	Maximum Peak Output Power	FCC Part 15: 15.247(b)(1), RSS-247 Issue 3 clause 5.4(b)	/	Pass
2	20 dB Bandwidth	FCC Part 15: 15.247(a)(1), RSS-247 Issue 3 clause 5.1(a)	/	Pass
3	99% Bandwidth	RSS-Gen Issue 5 clause 6.7	/	Pass
4	Carrier Frequency Separation	FCC Part 15: 15.247(a)(1), RSS-247 Issue 3 clause 5.1(b)	/	Pass
5	Number of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii), RSS-247 Issue 3 clause 5.1(d)	/	Pass
6	Dwell Time	FCC Part 15: 15.247(a)(1)(iii), RSS-247 Issue 3 clause 5.1(d)	/	Pass
7	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5	/	Pass
8	Radiated Emission	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
9	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
10	Power Line Conducted Emissions	FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8	/	Pass
11	Antenna Requirement	FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8	/	Pass
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	:	Wireless Earbuds
Model Number	:	AMZ-B8930B
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	CHARGING CASE: DC 5V from USB cable EARBUDS: DC 5V from external charging case CHARGING CASE: DC 3.7V Lithium-ion built-in battery EARBUDS: DC 3.85V Lithium-ion built-in battery
Antenna Type	:	FPC
Max Antenna Gain(dBi)	:	Left side: 0.24 dBi Right side: -3.03 dBi

Radio Specification	:	Bluetooth BR/EDR
Operation Frequency	:	2402 MHz to 2480 MHz
Modulation	:	GFSK, π/4-DQPSK, 8DPSK

Bluetooth BR/EDR Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	27	2429	54	2456
1	2403	28	2430	55	2457
2	2404	29	2431	56	2458
3	2405	30	2432	57	2459
4	2406	31	2433	58	2460
5	2407	32	2434	59	2461
6	2408	33	2435	60	2462
7	2409	34	2436	61	2463
8	2410	35	2437	62	2464
9	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476

21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454	/	
26	2428	53	2455	/	

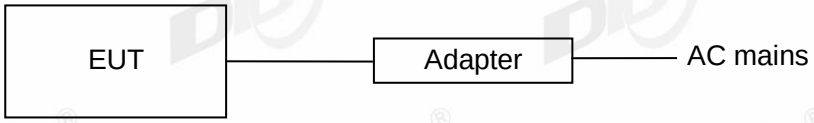
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☒” means to be chosen or applicable; “□” means don’t to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
USB cable	N/A	N/A	Length: 22cm

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:
Test software: BT_Tool v1.1.4.exe
The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.
The pathloss of external cable: 0.5 dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Channel, and Frequency			
Tested mode	Tx Power Setting	Channel	Frequency (MHz)
GFSK hopping on Tx mode	7	CH0 to CH78	2402 to 2480
π/4-DQPSK hopping on Tx mode	7	CH0 to CH78	2402 to 2480
8DPSK hopping on Tx mode	7	CH0 to CH78	2402 to 2480
GFSK hopping off Tx mode	7	CH0	2402
	7	CH39	2441
	7	CH78	2480
π/4-DQPSK hopping off Tx mode	7	CH0	2402
	7	CH39	2441
	7	CH78	2480
8DPSK hopping off Tx mode	7	CH0	2402
	7	CH39	2441
	7	CH78	2480
Note: According exploratory test, EUT will have maximum output power in those data rate, worst-case data rates were: GFSK mode: DH5, π/4-DQPSK mode: 2DH5, 8DPSK mode: 3DH5			

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15℃ to +35 ℃
Humidity range:	20% to 75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

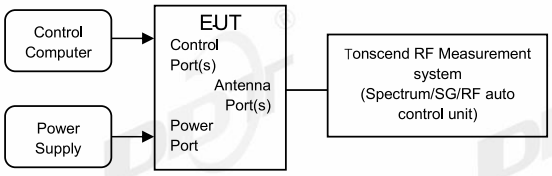
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7 x 10^{-8} (Antenna couple method)
	5.5 x 10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz ≤ f < 26.5 GHz)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 ℃
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒RF Connected Test (RF Measurement System 3#)				
SIGNAL ANALYZER	R&S	FSV40	101407	2025/07/08
Wideband Radio Communication Tester	R&S	CMW500	117491	2026/03/28
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2025/07/08
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2026/03/28
RF Control Unit	Tonscend	JS0806-2	20C8060230	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. 20 dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 6.9.2.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously
(4) Use the following spectrum analyzer settings for the 20 dB bandwidth measurement:

RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 2 times and 5 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold

(5) Measure and record the results in the report.

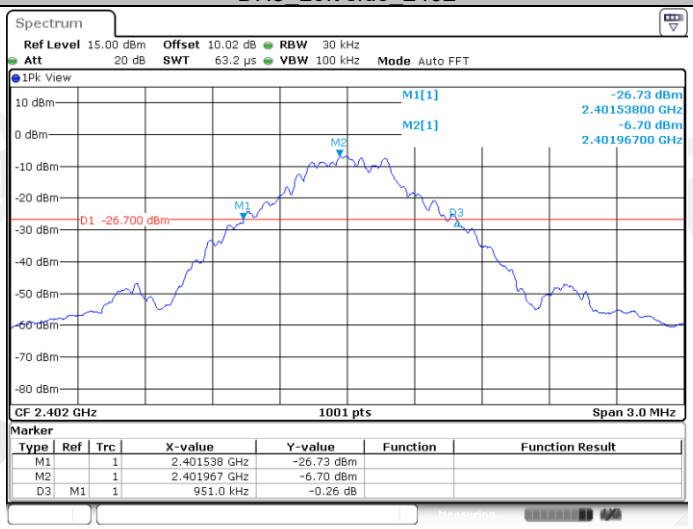
4.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.3-26.5℃,45.8-47.6%RH	Test Date:	2025.03.31-2025.04.08
Test Power Supply:	Battery	Sample Number:	S25032426-014

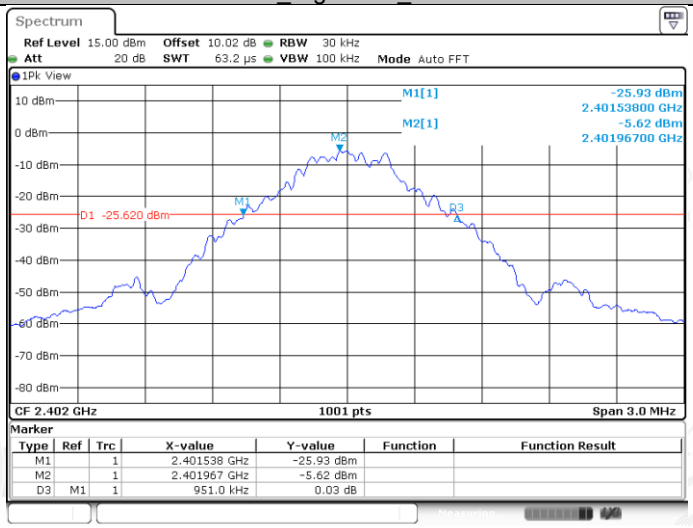
Test Mode	Antenna	Frequency [MHz]	20dB EBW[MHz]
DH5	Left side	2402	0.95
	Right side	2402	0.95
	Left side	2441	0.95
	Right side	2441	0.95
	Left side	2480	0.95
	Right side	2480	0.95
2DH5	Left side	2402	1.29
	Right side	2402	1.29
	Left side	2441	1.29
	Right side	2441	1.29
	Left side	2480	1.29
	Right side	2480	1.29
3DH5	Left side	2402	1.30
	Right side	2402	1.30
	Left side	2441	1.30
	Right side	2441	1.30
	Left side	2480	1.30
	Right side	2480	1.30

4.5. Test graphs

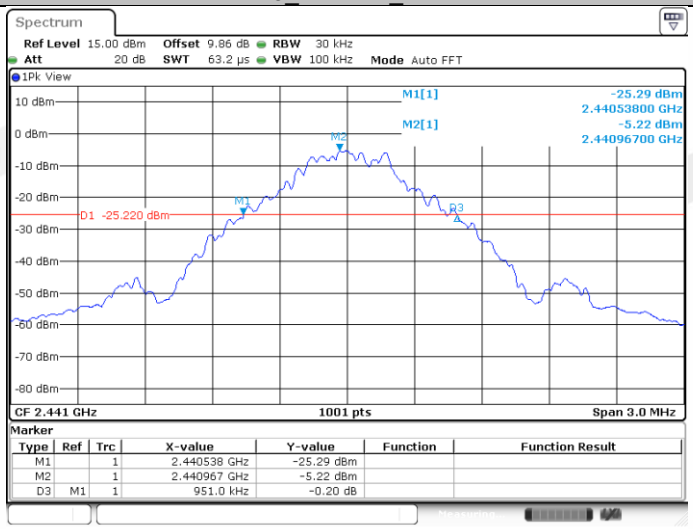
DH5_Left side_2402



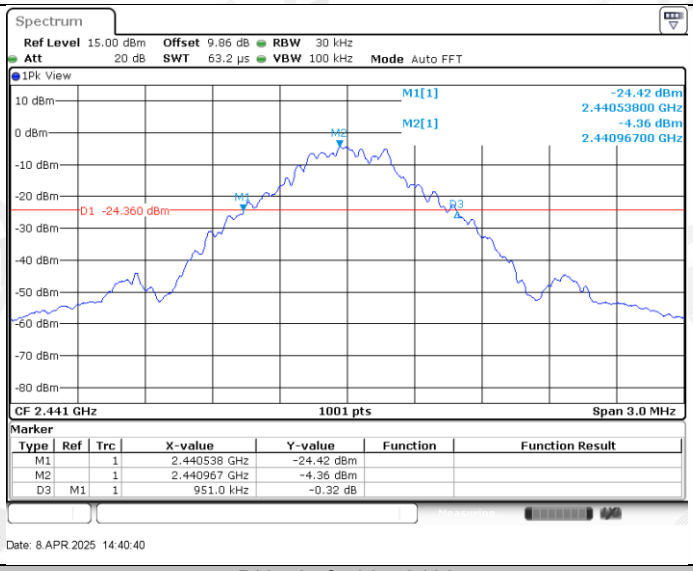
DH5_Right side_2402



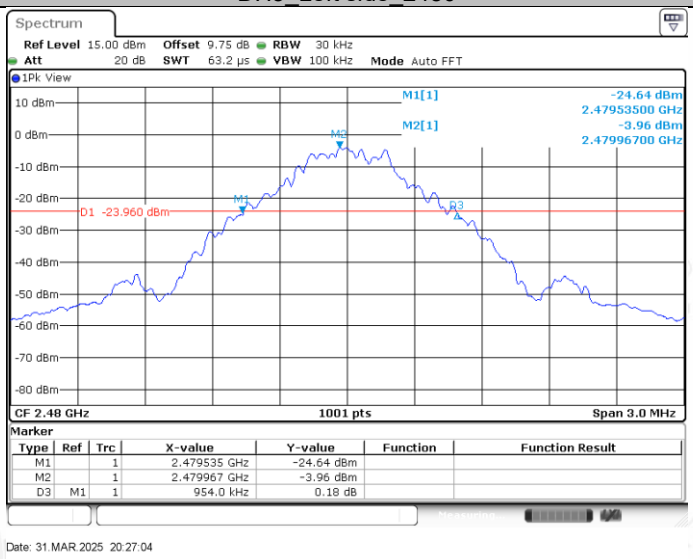
DH5_Left side_2441



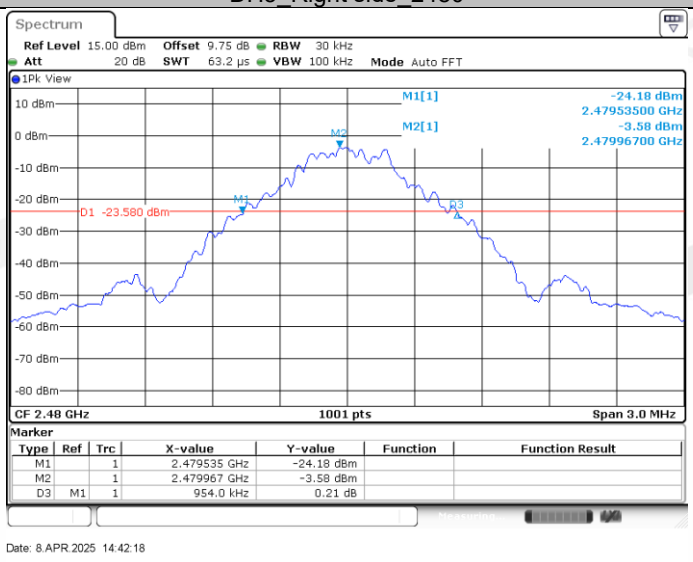
DH5_Right side_2441



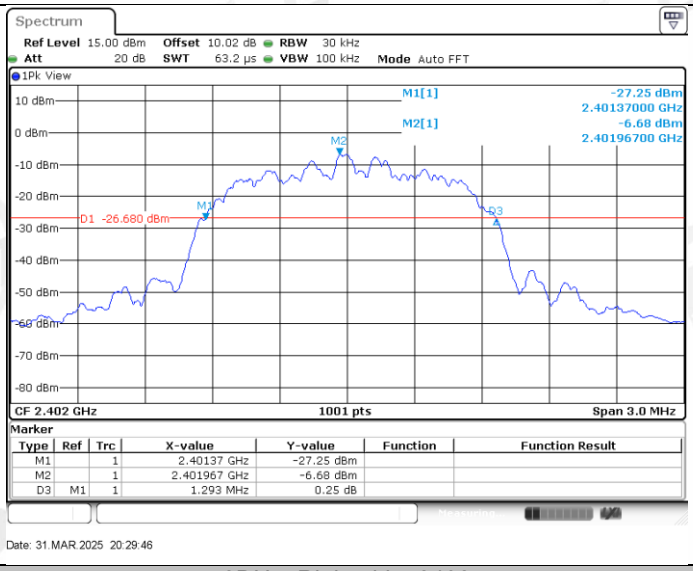
DH5_Left side_2480



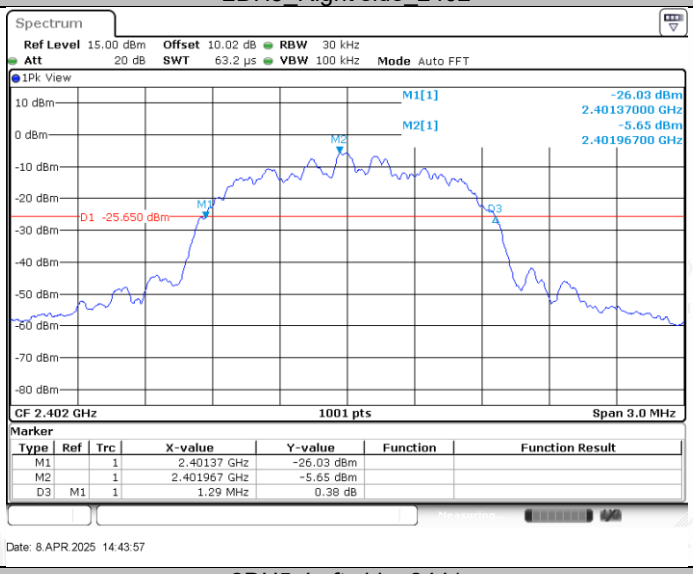
DH5_Right side_2480



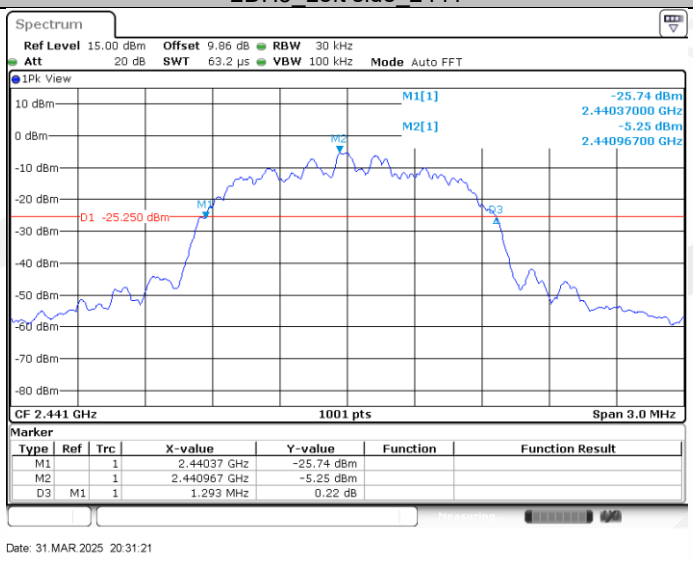
2DH5_Left side_2402



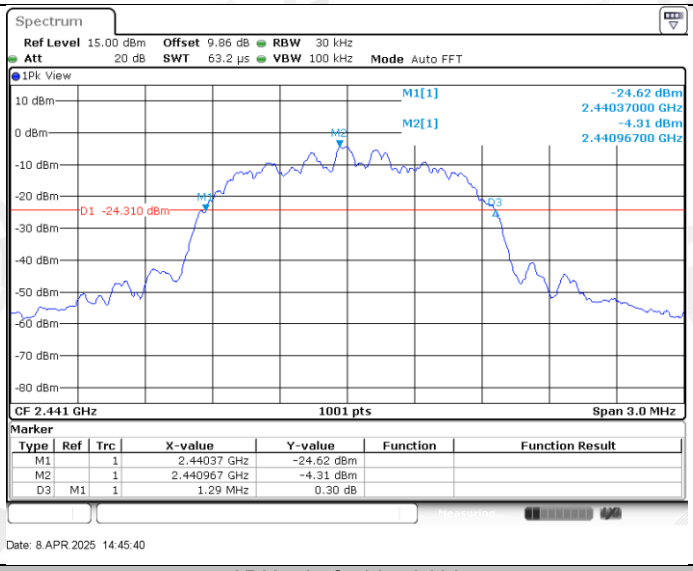
2DH5_Right side_2402



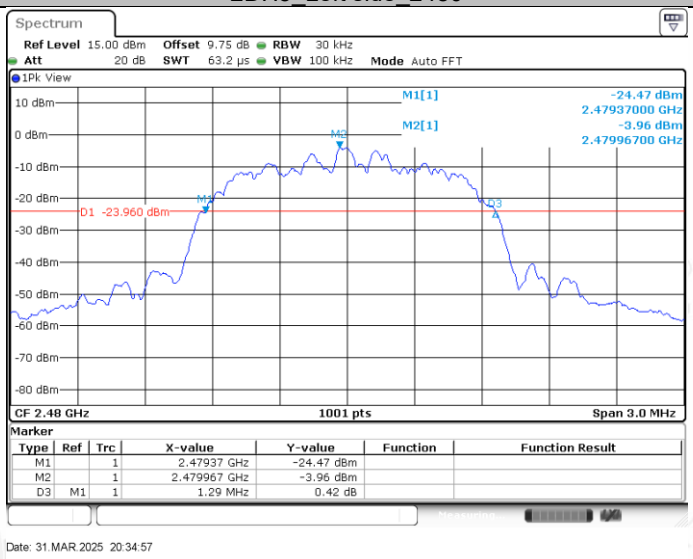
2DH5_Left side_2441



2DH5_Right side_2441

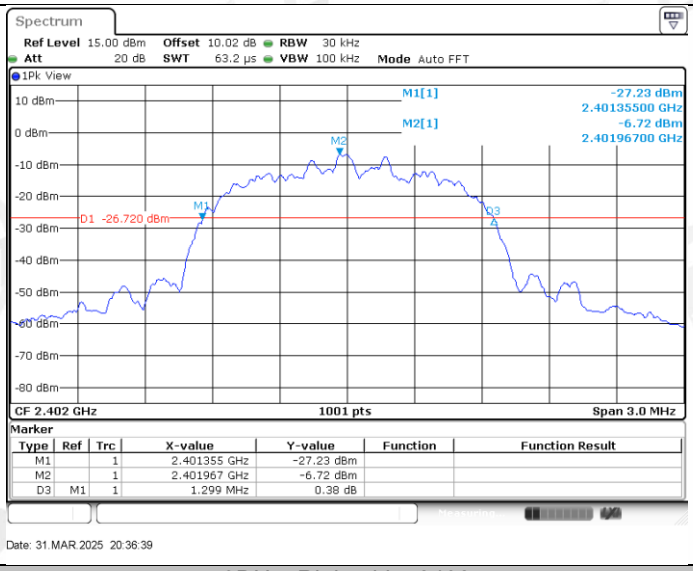


2DH5_Left side_2480

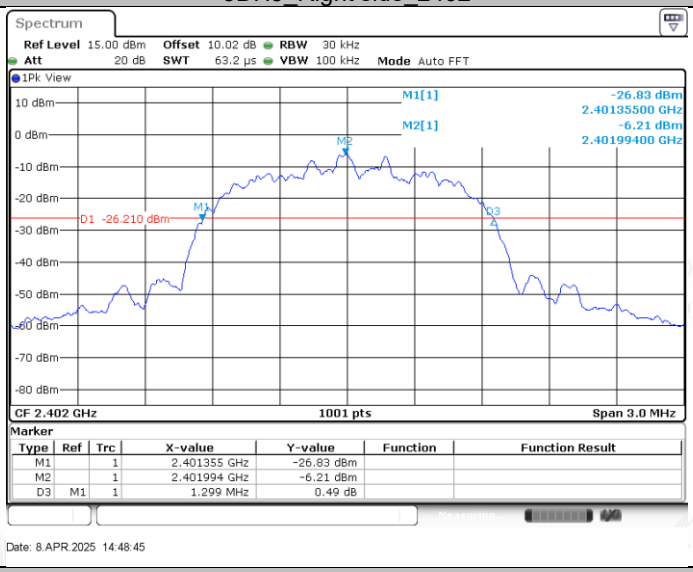


2DH5_Right side_2480

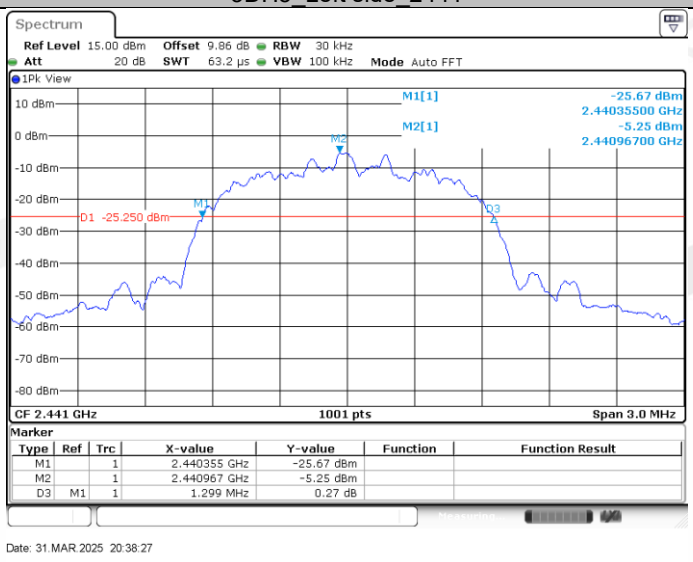
3DH5_Left side_2402



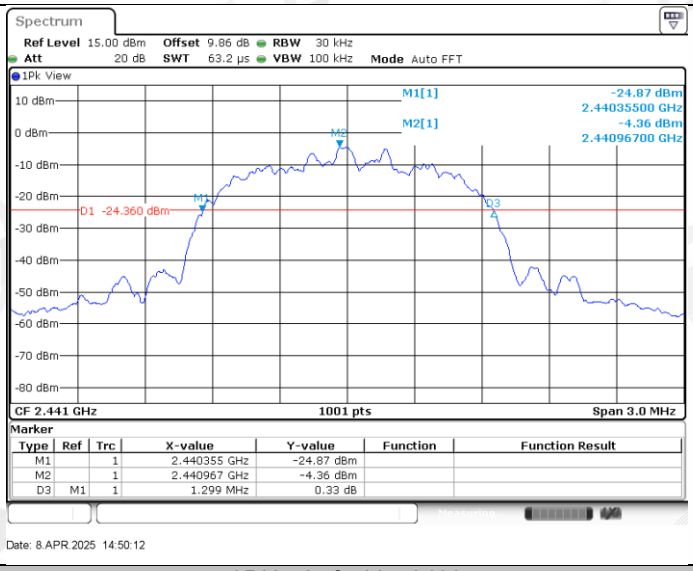
3DH5_Right side_2402



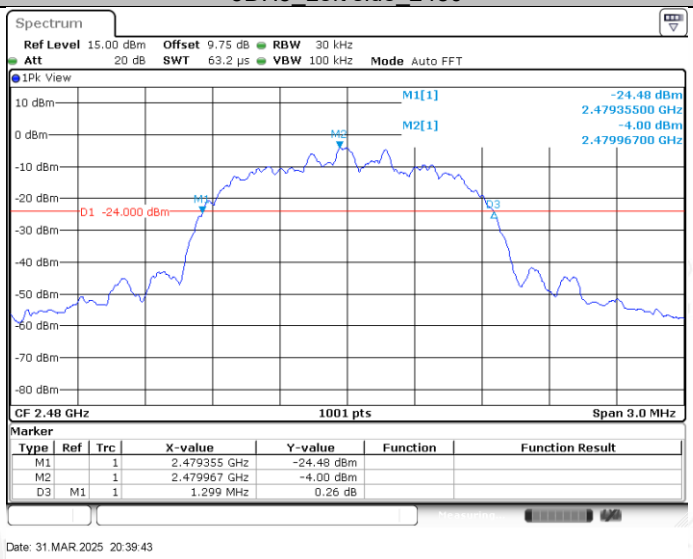
3DH5_Left side_2441



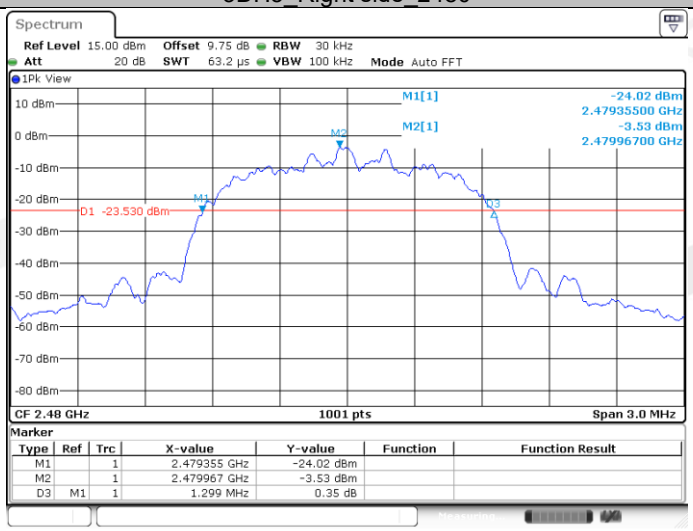
3DH5_Right side_2441



3DH5_Left side_2480

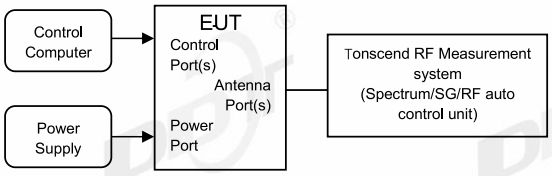


3DH5_Right side_2480



5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 6.9.3.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously
(4) Use the following spectrum analyzer settings for the 99% bandwidth measurement:

RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold

(5) Measure and record the results in the report.

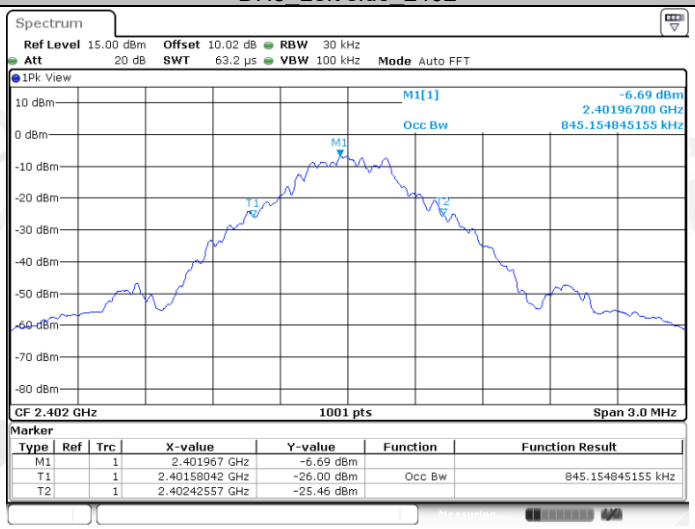
5.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.3-26.5℃,45.8-47.6%RH	Test Date:	2025.03.31-2025.04.08
Test Power Supply:	Battery	Sample Number:	S25032426-014

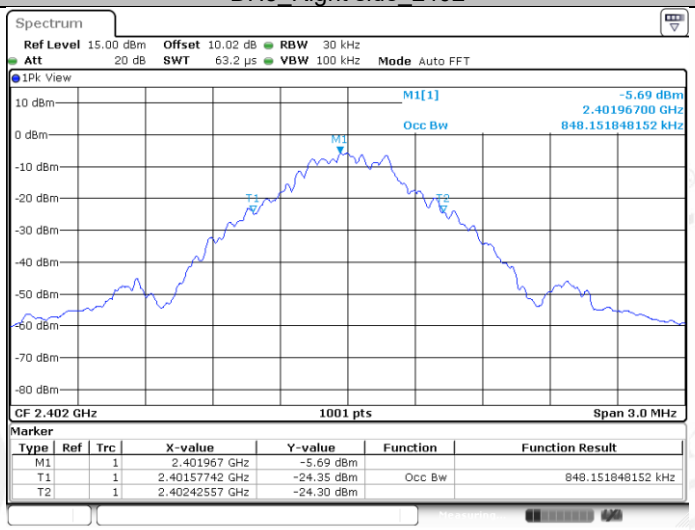
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Left side	2402	0.845	2401.5804	2402.4256
	Right side	2402	0.848	2401.5774	2402.4256
	Left side	2441	0.845	2440.5774	2441.4226
	Right side	2441	0.845	2440.5774	2441.4226
	Left side	2480	0.845	2479.5774	2480.4226
	Right side	2480	0.845	2479.5774	2480.4226
2DH5	Left side	2402	1.160	2401.4216	2402.5814
	Right side	2402	1.163	2401.4186	2402.5814
	Left side	2441	1.163	2440.4186	2441.5814
	Right side	2441	1.163	2440.4186	2441.5814
	Left side	2480	1.163	2479.4186	2480.5814
	Right side	2480	1.163	2479.4186	2480.5814
3DH5	Left side	2402	1.163	2401.4246	2402.5874
	Right side	2402	1.166	2401.4216	2402.5874
	Left side	2441	1.163	2440.4246	2441.5874
	Right side	2441	1.163	2440.4246	2441.5874
	Left side	2480	1.163	2479.4246	2480.5874
	Right side	2480	1.163	2479.4246	2480.5874

5.5. Test graphs

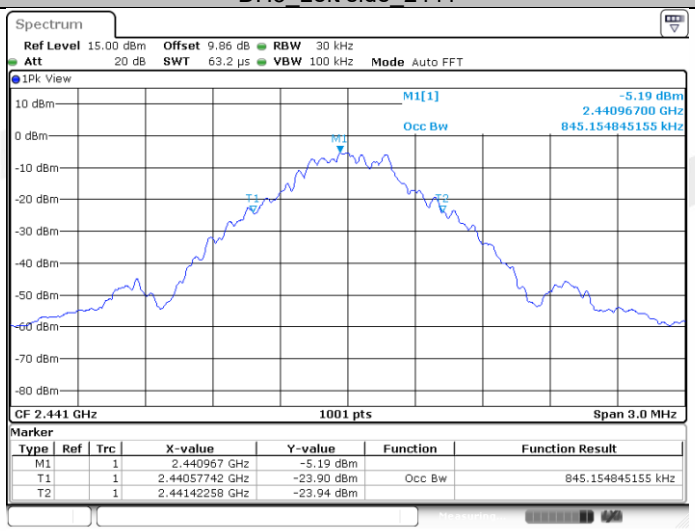
DH5_Left side_2402



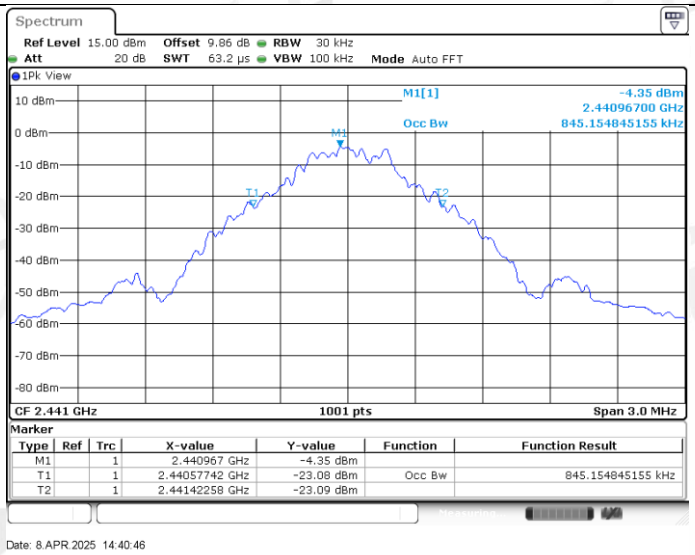
DH5_Right side_2402



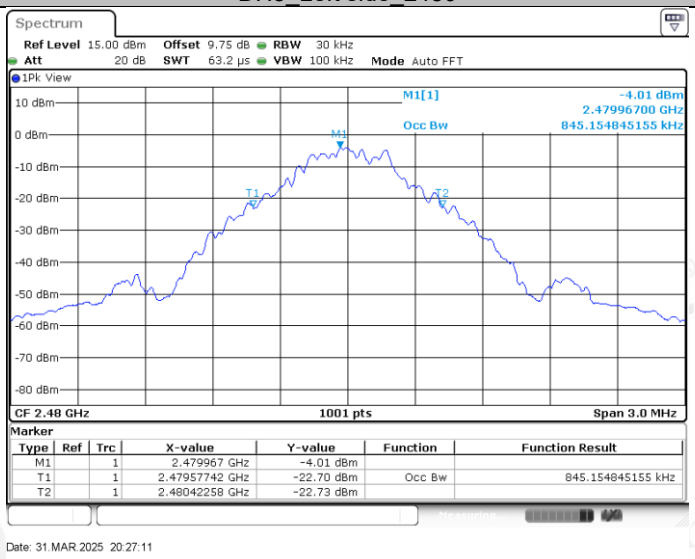
DH5_Left side_2441



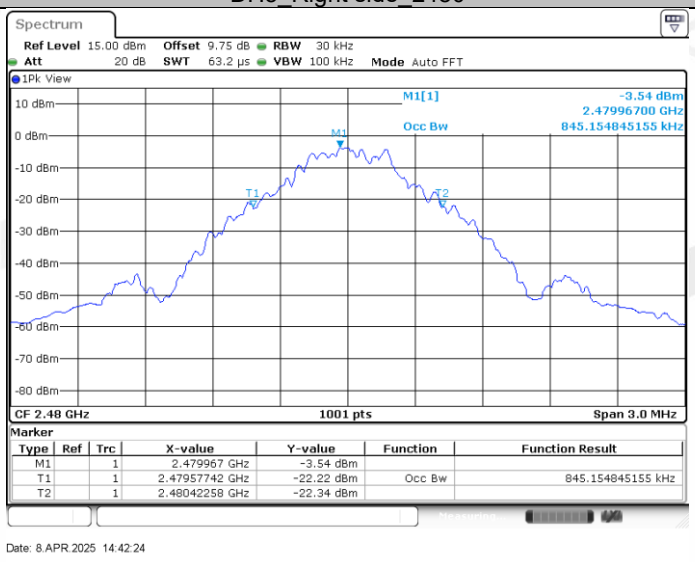
DH5_Right side_2441



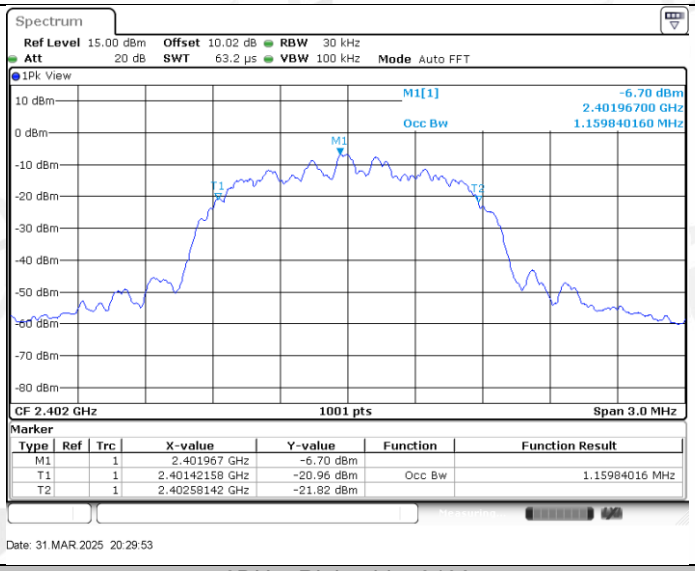
DH5_Left side_2480



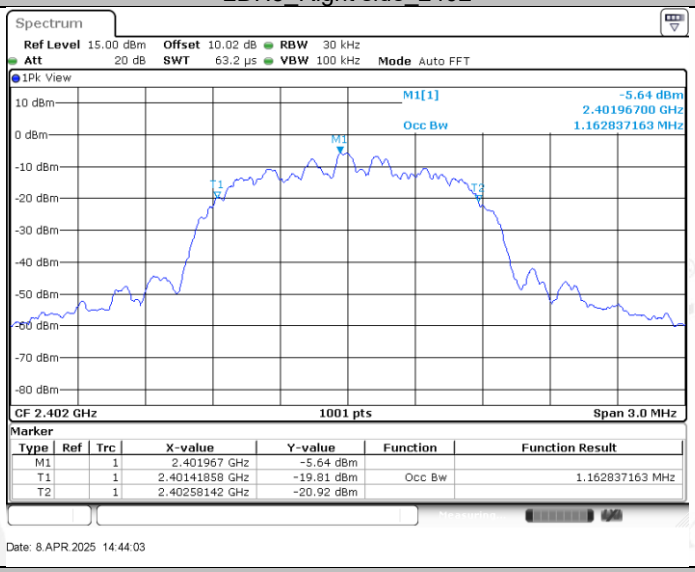
DH5_Right side_2480



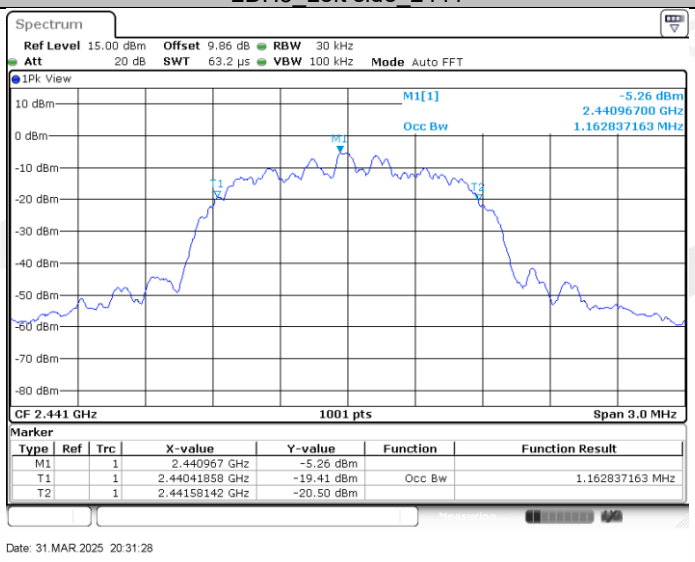
2DH5_Left side_2402



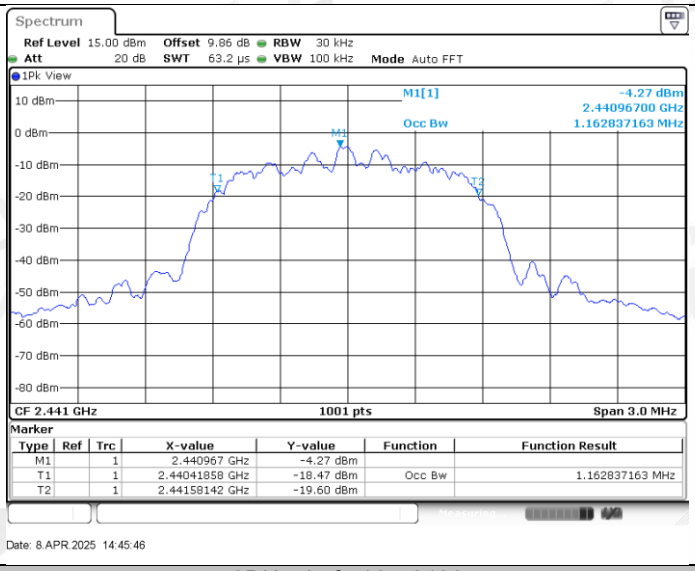
2DH5_Right side_2402



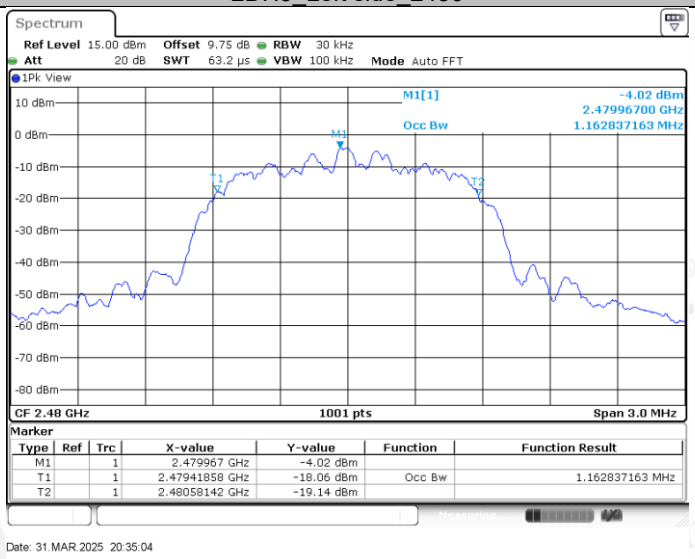
2DH5_Left side_2441



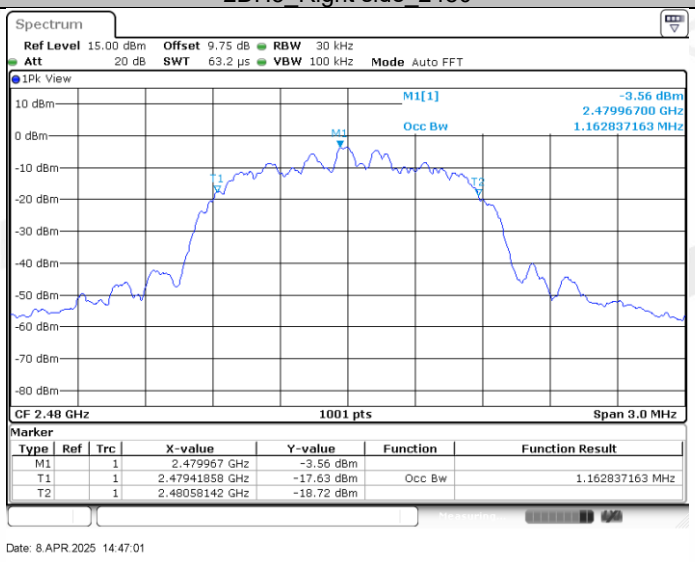
2DH5_Right side_2441



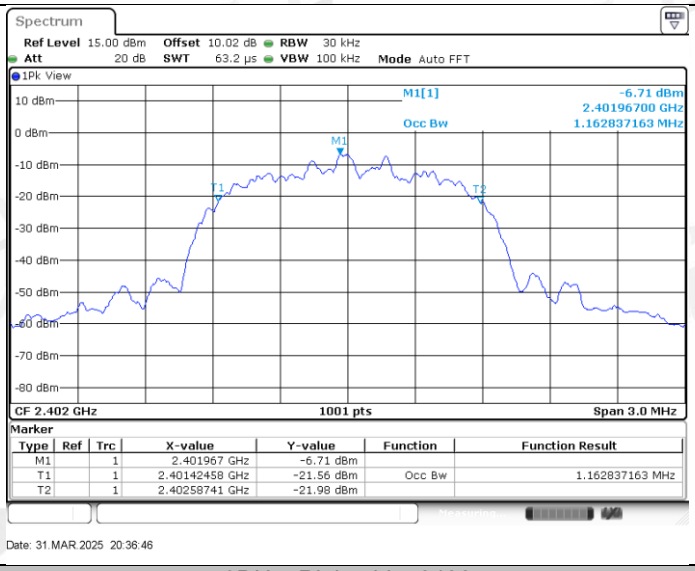
2DH5_Left side_2480



2DH5_Right side_2480

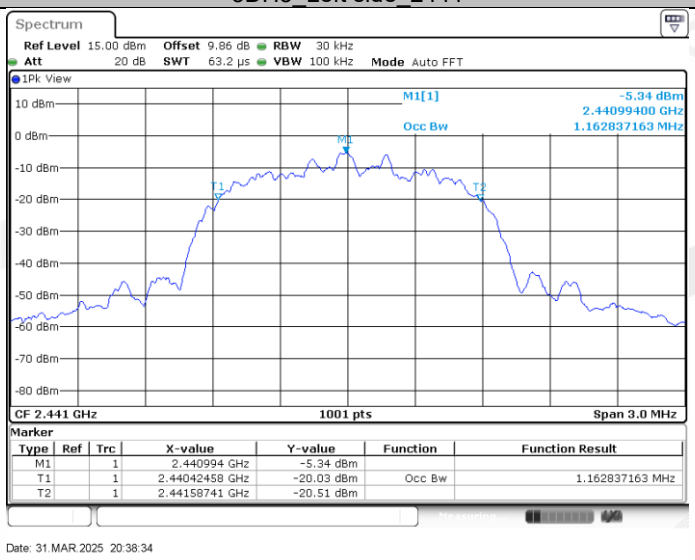


3DH5_Left side_2402

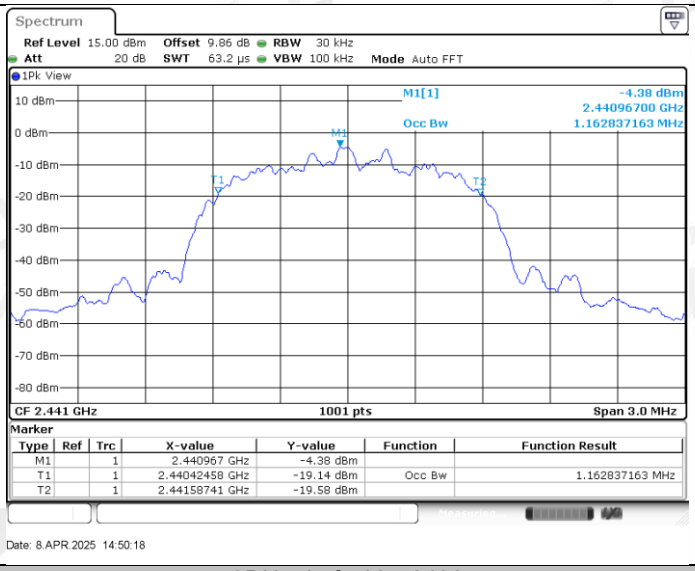


3DH5_Right side_2402

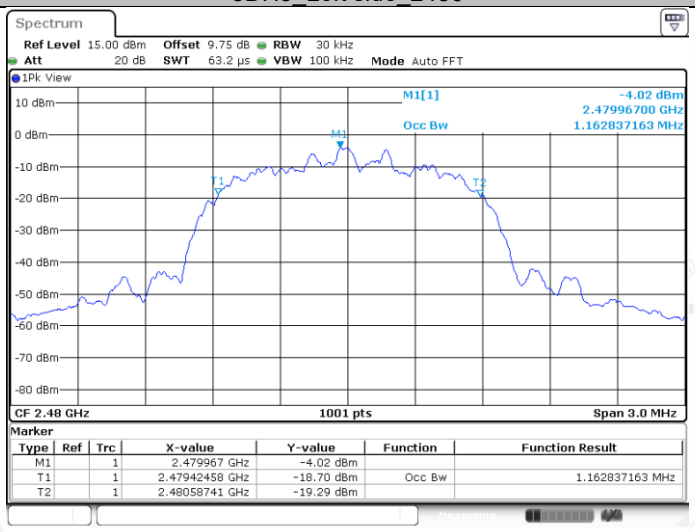
3DH5_Left side_2441



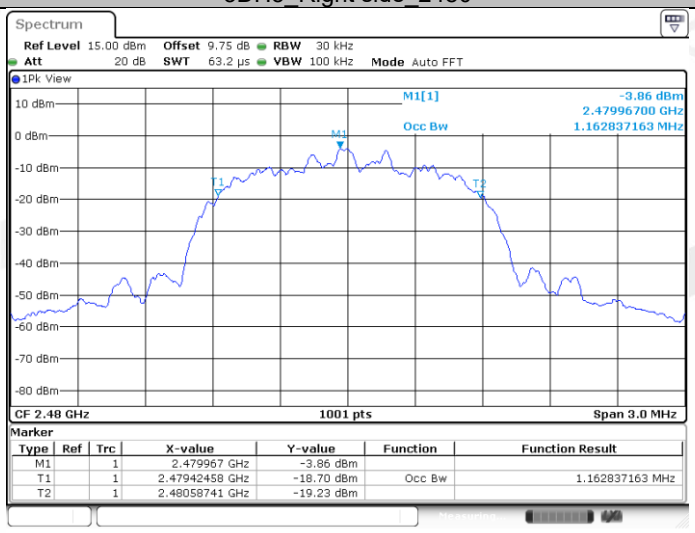
3DH5_Right side_2441



3DH5_Left side_2480

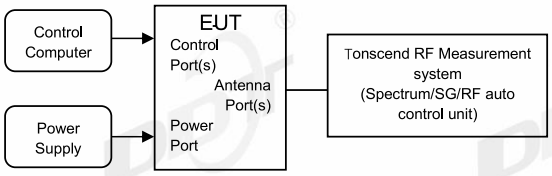


3DH5_Right side_2480



6. Maximum Peak Output Power

6.1. Block diagram of test setup



6.2. Limits

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W.

6.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 7.8.5.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
(4) Use the following spectrum analyzer settings for the maximum peak output power measurement:

RBW:	> 20 dB bandwidth of the emission being measured.
VBW:	VBW ≥ RBW.
Span:	Approximately five times the 20 dB bandwidth, centered on a hopping channel.
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold

(5) Use the marker-to-peak function to set the marker to the peak of the emission and record the results in the report.

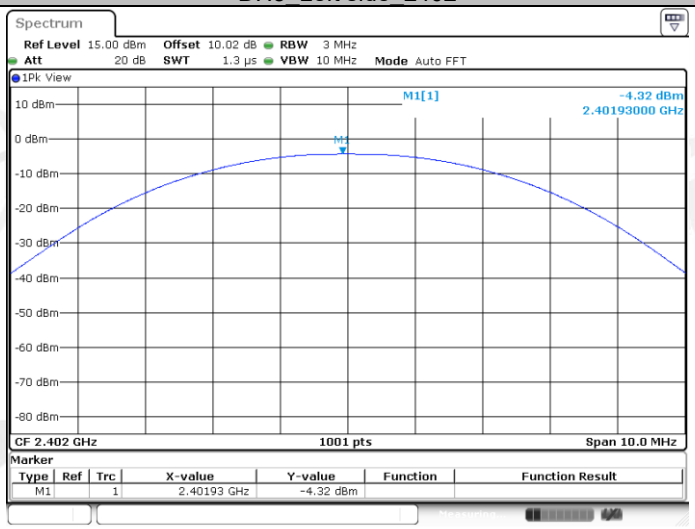
6.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.3-26.5℃,45.8-47.6%RH	Test Date:	2025.03.31-2025.04.08
Test Power Supply:	Battery	Sample Number:	S25032426-014

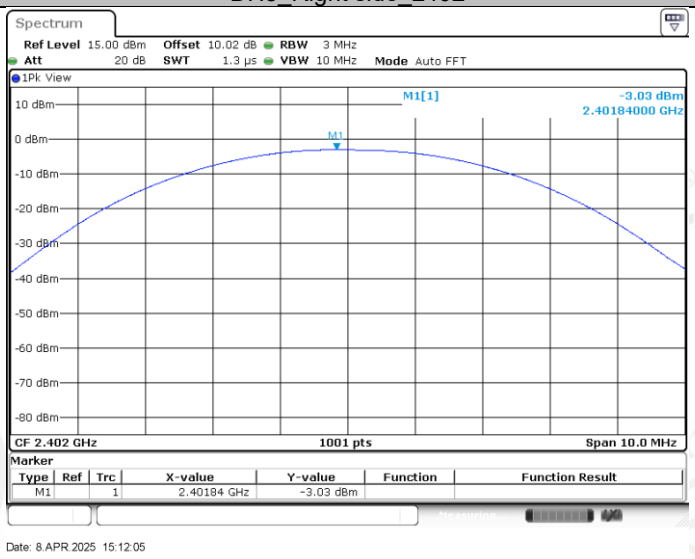
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Left side	2402	-4.32	≤20.97	-4.08	≤30	PASS
	Right side	2402	-3.03	≤20.97	-6.06	≤30	PASS
	Left side	2441	-2.86	≤20.97	-2.62	≤30	PASS
	Right side	2441	-1.60	≤20.97	-4.63	≤30	PASS
	Left side	2480	-1.59	≤20.97	-1.35	≤30	PASS
	Right side	2480	-0.87	≤20.97	-3.90	≤30	PASS
2DH5	Left side	2402	-2.13	≤20.97	-1.89	≤30	PASS
	Right side	2402	-0.91	≤20.97	-3.94	≤30	PASS
	Left side	2441	-0.93	≤20.97	-0.69	≤30	PASS
	Right side	2441	0.51	≤20.97	-2.52	≤30	PASS
	Left side	2480	0.43	≤20.97	0.67	≤30	PASS
	Right side	2480	1.34	≤20.97	-1.69	≤30	PASS
3DH5	Left side	2402	-1.84	≤20.97	-1.60	≤30	PASS
	Right side	2402	-0.75	≤20.97	-3.78	≤30	PASS
	Left side	2441	-0.38	≤20.97	-0.14	≤30	PASS
	Right side	2441	0.94	≤20.97	-2.09	≤30	PASS
	Left side	2480	0.70	≤20.97	0.94	≤30	PASS
	Right side	2480	1.53	≤20.97	-1.50	≤30	PASS

6.5. Test graphs

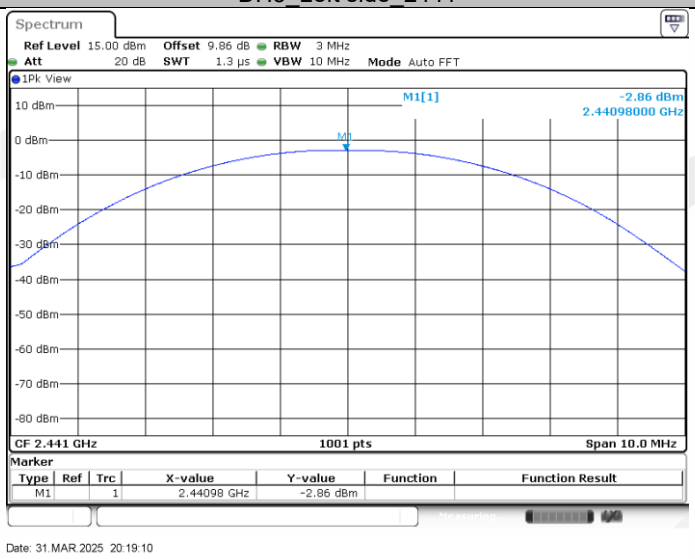
DH5_Left side_2402



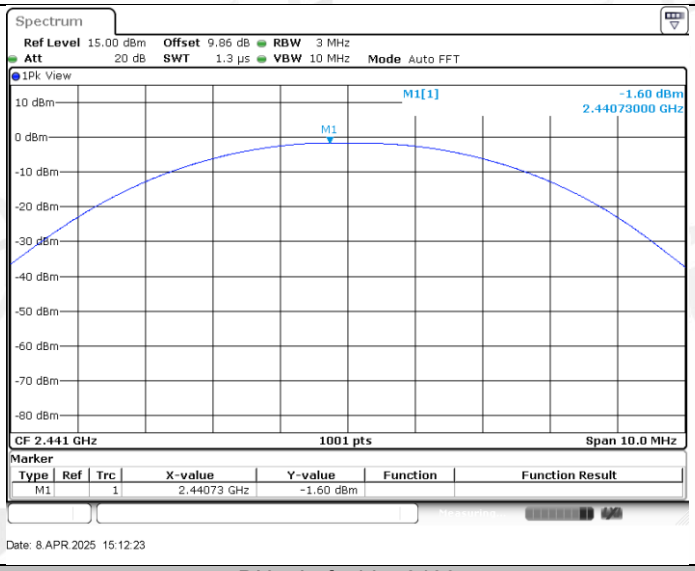
DH5_Right side_2402



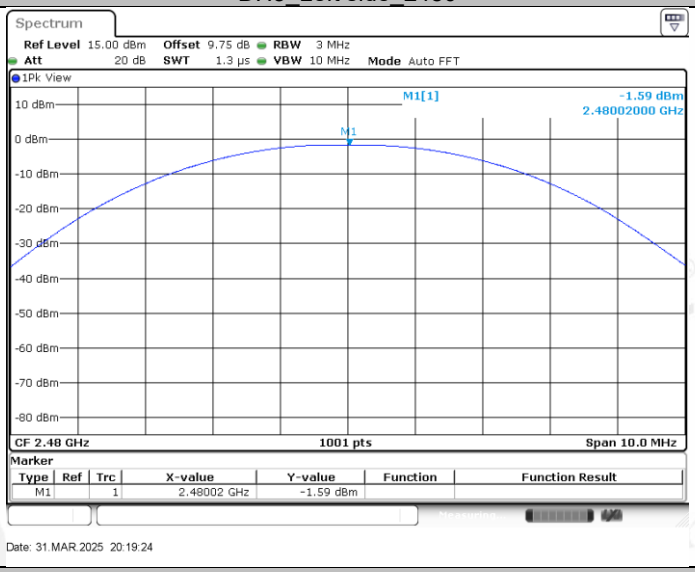
DH5_Left side_2441



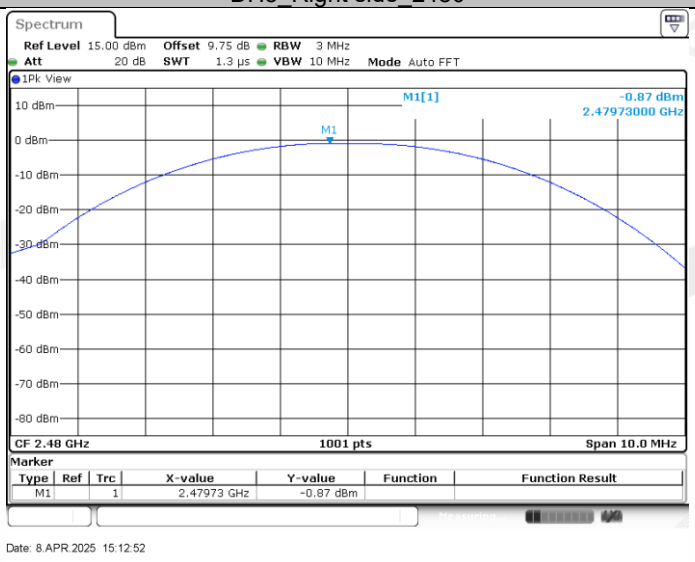
DH5_Right side_2441



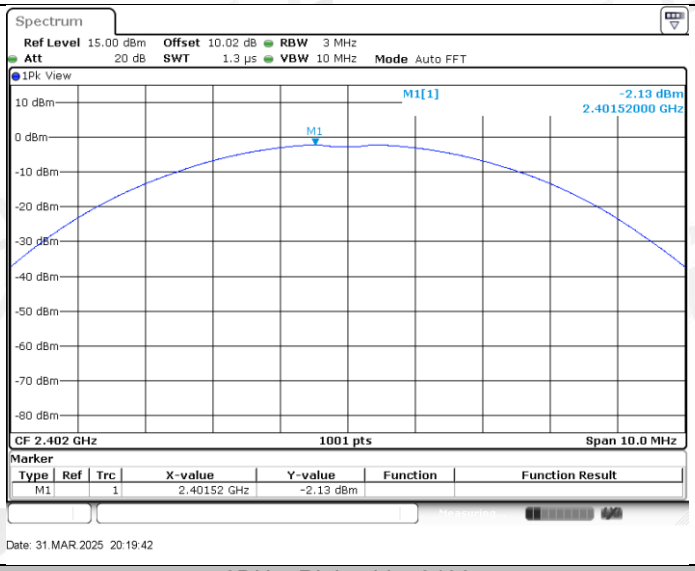
DH5_Left side_2480



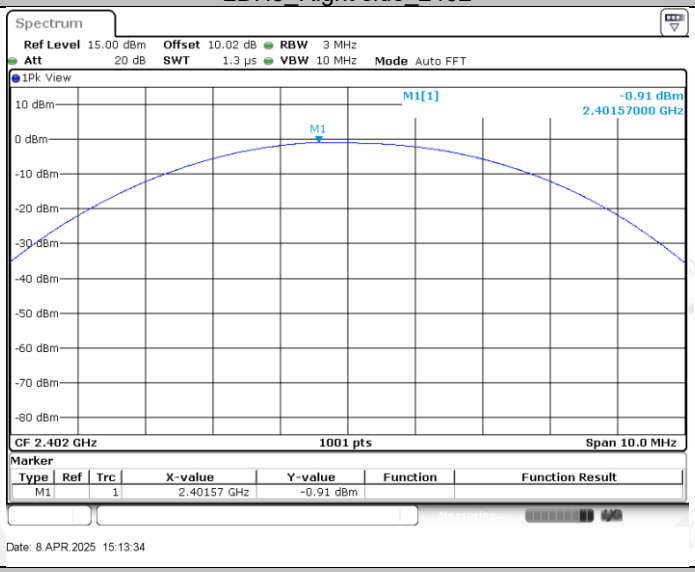
DH5_Right side_2480



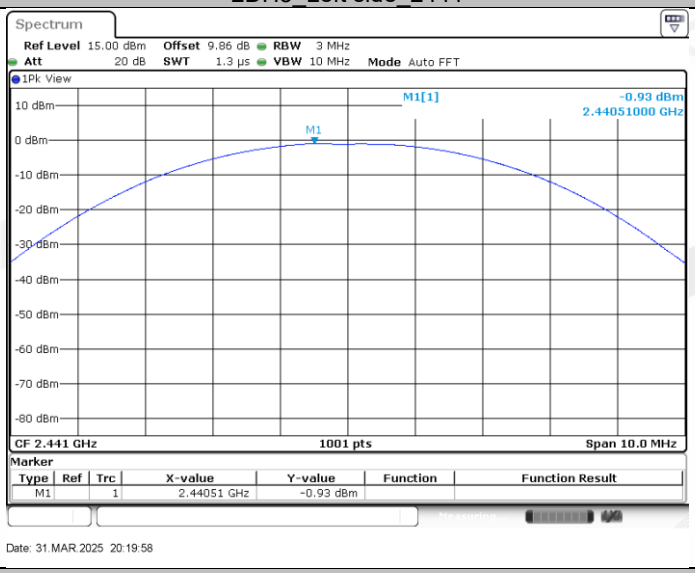
2DH5_Left side_2402



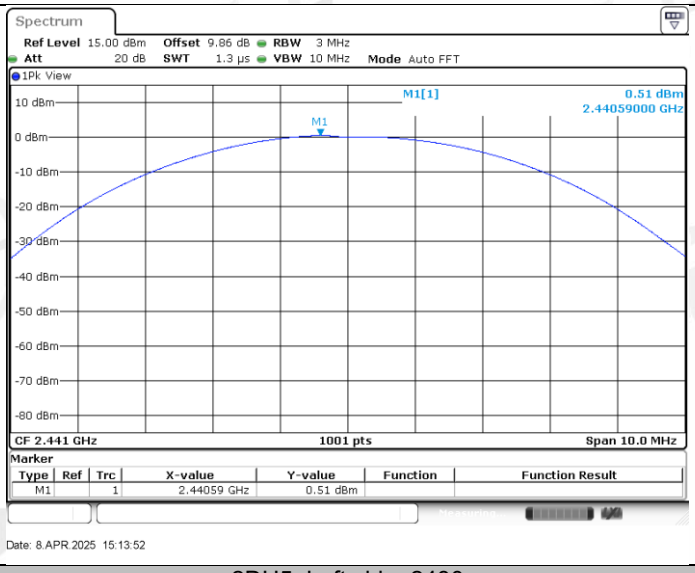
2DH5_Right side_2402



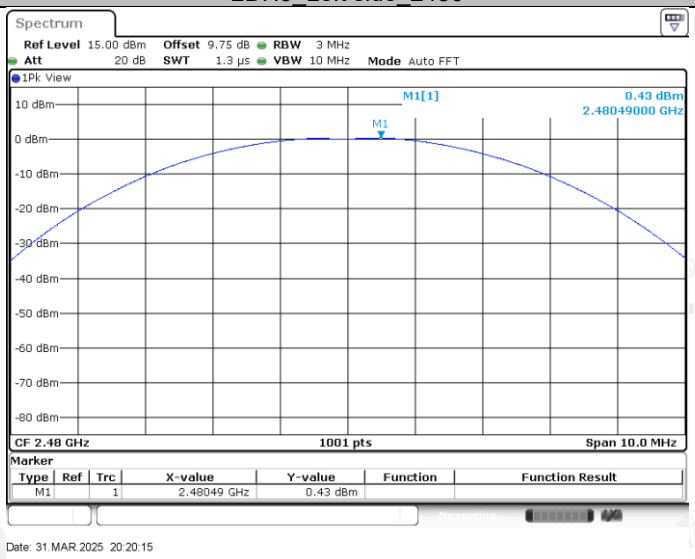
2DH5_Left side_2441



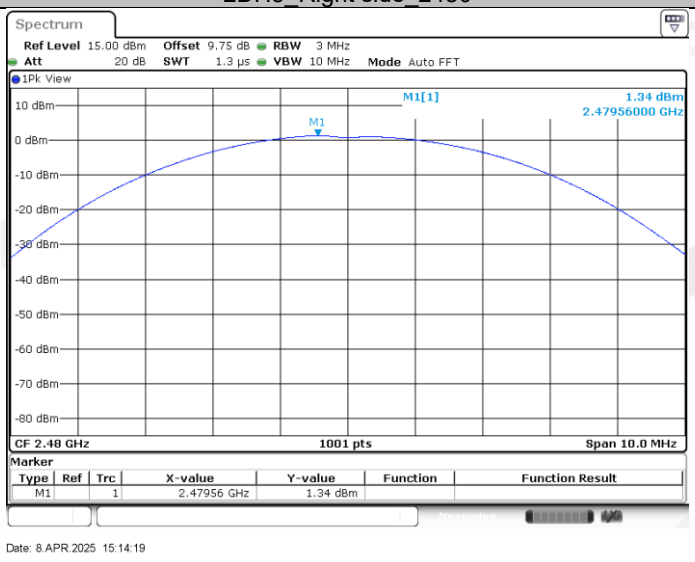
2DH5_Right side_2441



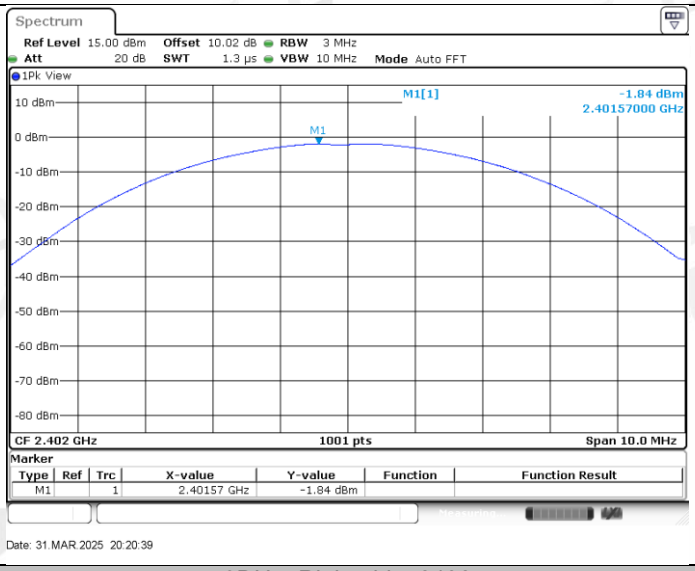
2DH5_Left side_2480



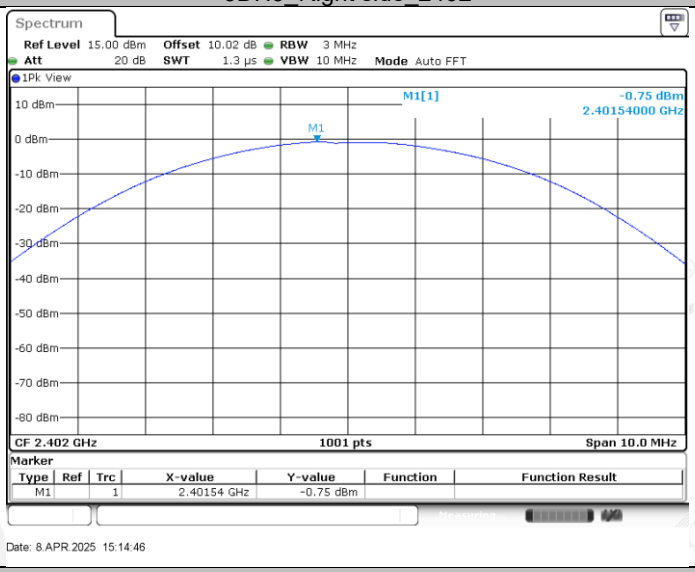
2DH5_Right side_2480



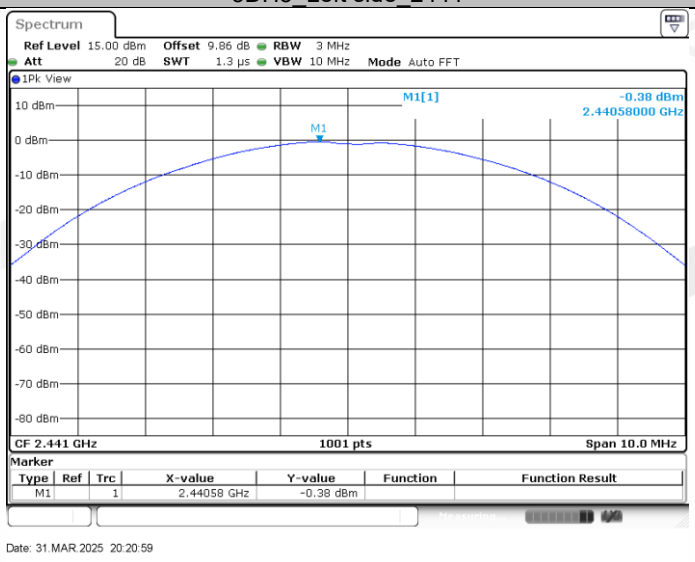
3DH5_Left side_2402



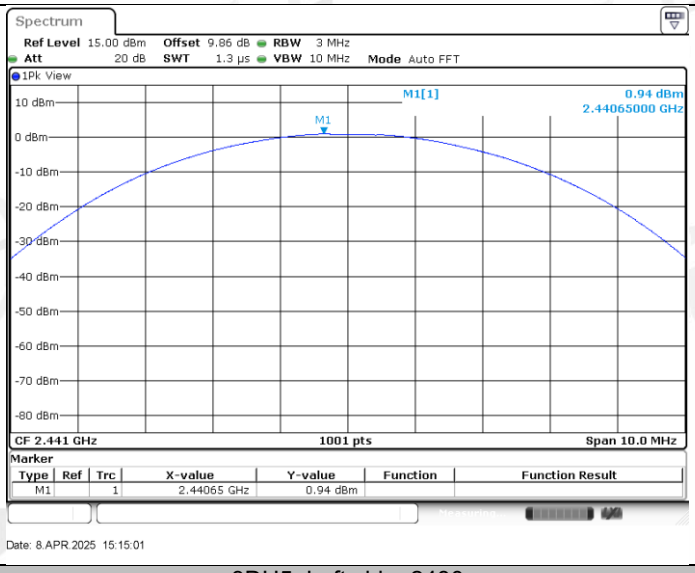
3DH5_Right side_2402



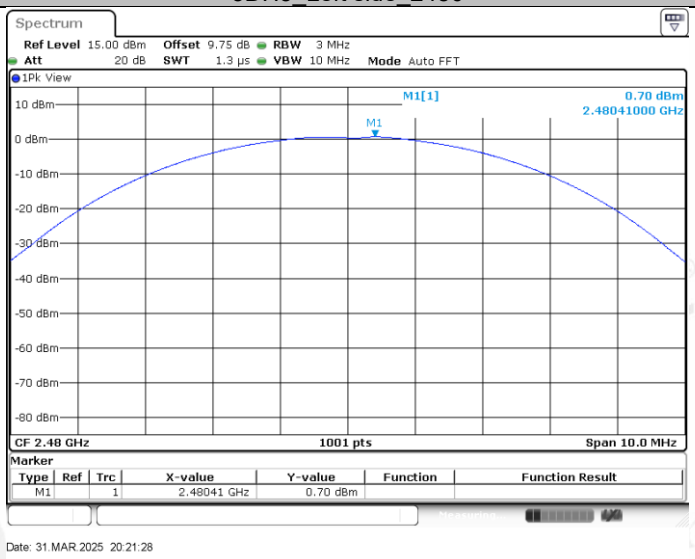
3DH5_Left side_2441



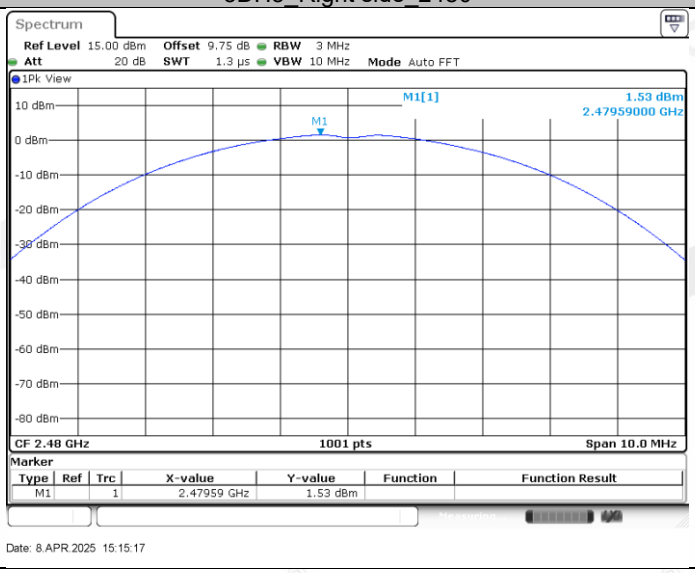
3DH5_Right side_2441



3DH5_Left side_2480

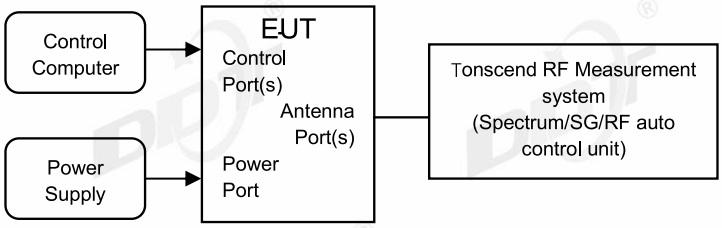


3DH5_Right side_2480



7. Carrier Frequency Separation

7.1. Block diagram of test setup



7.2. Limits

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

7.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 7.8.2.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
(4) Use the following spectrum analyzer settings for the maximum peak output power measurement:

RBW:	approximately 30% of the channel spacing
VBW:	VBW ≥ RBW.
Span:	Wide enough to capture the peaks of two adjacent channels.
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold

(5) Use the marker-delta function to determine the separation between the peaks of the adjacent channels and record the results in the report.

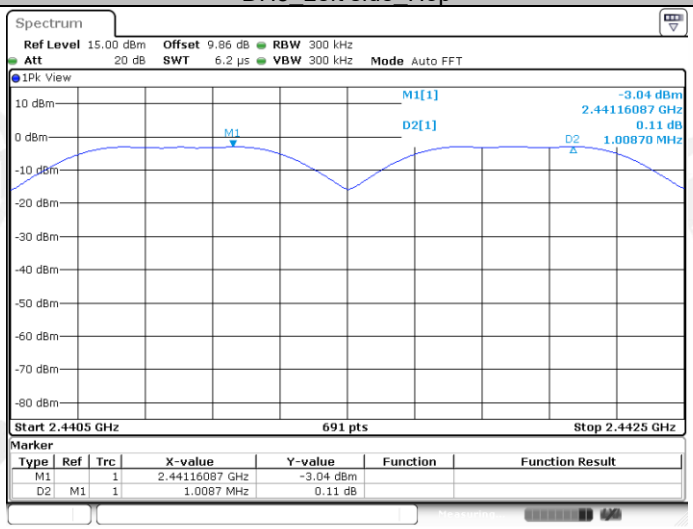
7.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.3-26.5℃,45.8-47.6%RH	Test Date:	2025.03.31-2025.04.08
Test Power Supply:	Battery	Sample Number:	S25032426-014

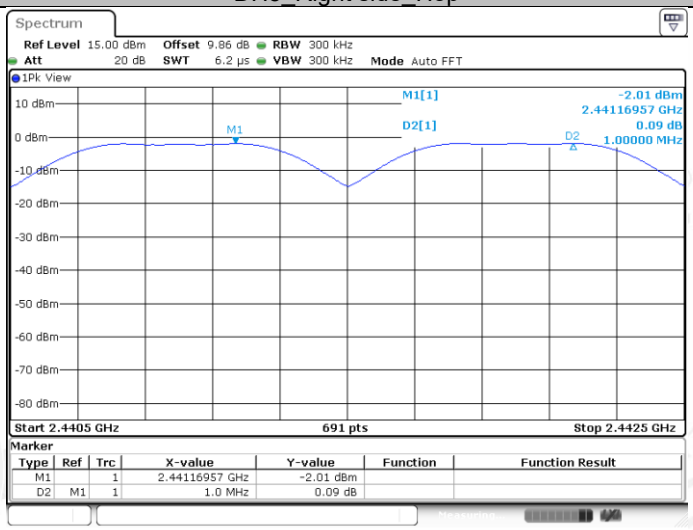
Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Left side	Hop	1.009	≥0.950	PASS
	Right side	Hop	1.000	≥0.950	PASS
2DH5	Left side	Hop	1.000	≥0.860	PASS
	Right side	Hop	1.003	≥0.860	PASS
3DH5	Left side	Hop	0.997	≥0.867	PASS
	Right side	Hop	1.003	≥0.867	PASS

7.5. Test graphs

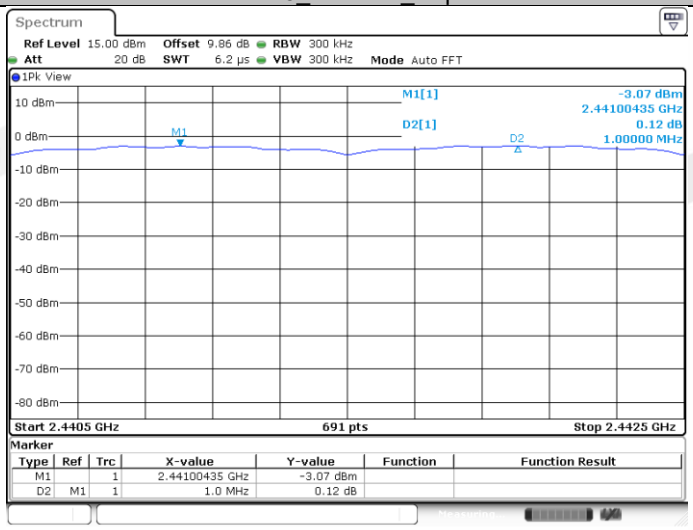
DH5_Left side_Hop



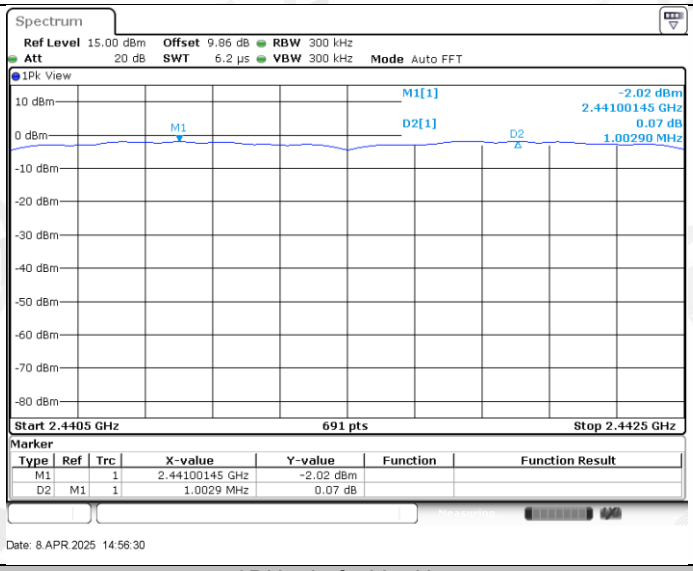
DH5_Right side_Hop



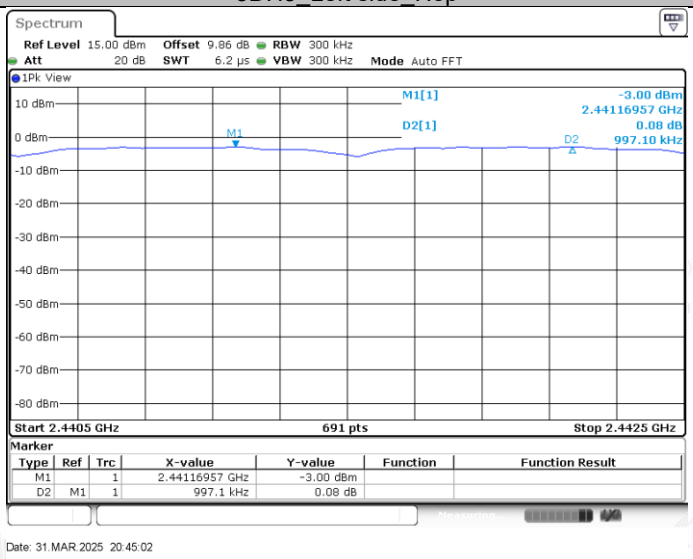
2DH5_Left side_Hop



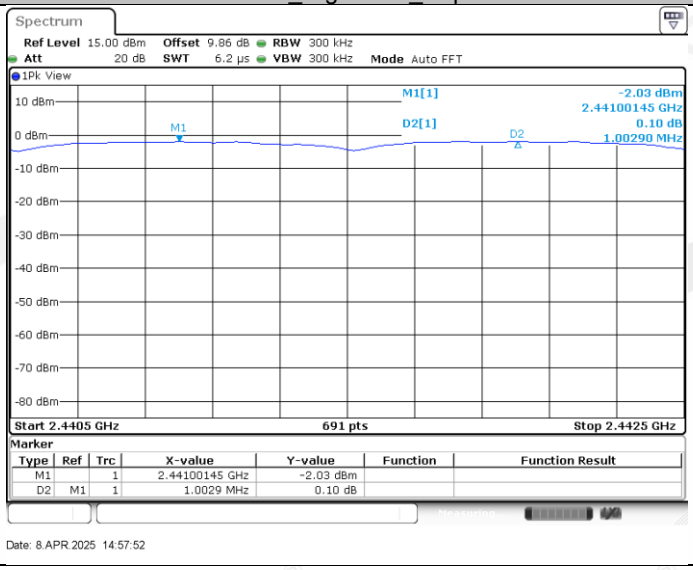
2DH5_Right side_Hop



3DH5_Left side_Hop

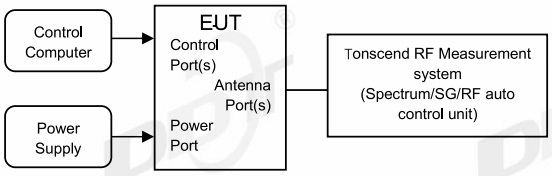


3DH5_Right side_Hop



8. Dwell Time

8.1. Block diagram of test setup



8.2. Limits

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

8.3. Test procedure

(1) The test according to ANSI C63.10-2013 clause 7.8.4.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
(4) Use the following spectrum analyzer settings for the maximum peak output power measurement:

RBW:	≤ channel spacing and where possible RBW should be set >>1 / T
VBW:	VBW ≥ RBW.
Span:	Zero span, centered on a hopping channel.
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Clear Write.

(5) The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s
(6) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span set, and calculate dwell time with formula Dwell time = total hops *pulse's on time.
(7) Measure and record the results in the report.

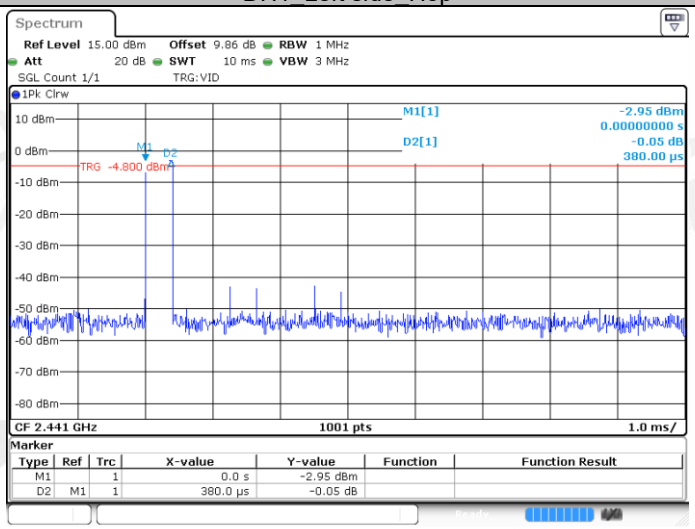
8.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.3-26.5℃,45.8-47.6%RH	Test Date:	2025.03.31-2025.04.08
Test Power Supply:	Battery	Sample Number:	S25032426-014

Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Left side	Hop	0.380	320	0.122	≤0.4	PASS
	Right side	Hop	0.380	314	0.119	≤0.4	PASS
DH3	Left side	Hop	1.640	169	0.277	≤0.4	PASS
	Right side	Hop	1.640	158	0.259	≤0.4	PASS
DH5	Left side	Hop	2.890	99	0.286	≤0.4	PASS
	Right side	Hop	2.890	101	0.292	≤0.4	PASS
2DH1	Left side	Hop	0.400	320	0.128	≤0.4	PASS
	Right side	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Left side	Hop	1.650	163	0.269	≤0.4	PASS
	Right side	Hop	1.640	166	0.272	≤0.4	PASS
2DH5	Left side	Hop	2.890	115	0.332	≤0.4	PASS
	Right side	Hop	2.890	119	0.344	≤0.4	PASS
3DH1	Left side	Hop	0.400	318	0.127	≤0.4	PASS
	Right side	Hop	0.390	318	0.124	≤0.4	PASS
3DH3	Left side	Hop	1.640	162	0.266	≤0.4	PASS
	Right side	Hop	1.650	165	0.272	≤0.4	PASS
3DH5	Left side	Hop	2.890	100	0.289	≤0.4	PASS
	Right side	Hop	2.900	100	0.29	≤0.4	PASS

8.5. Test graphs

DH1_Left side_Hop



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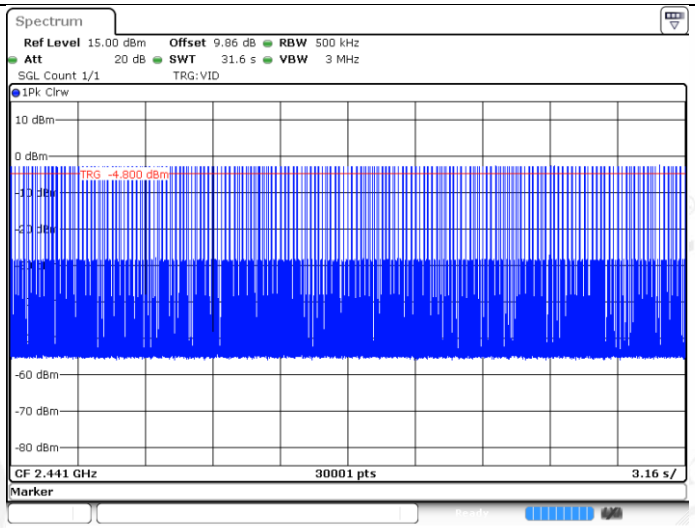

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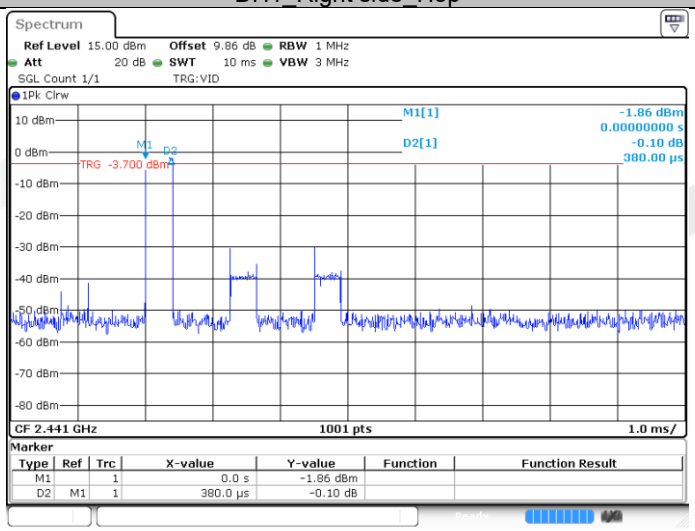
DH1_Right side_Hop



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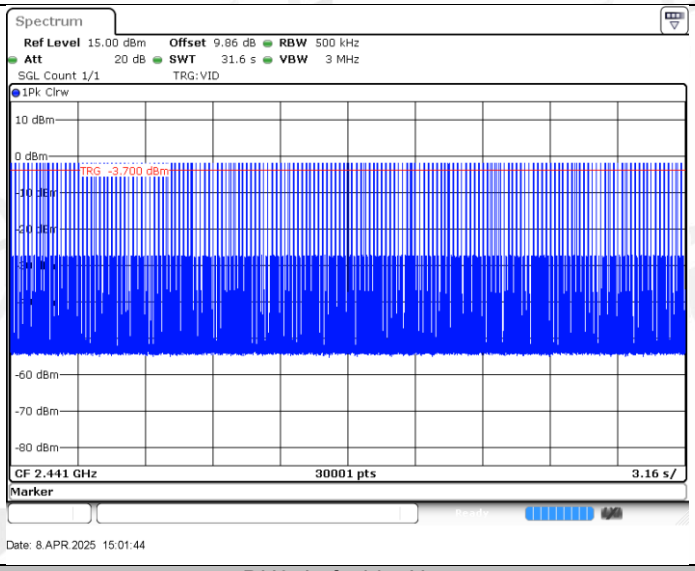
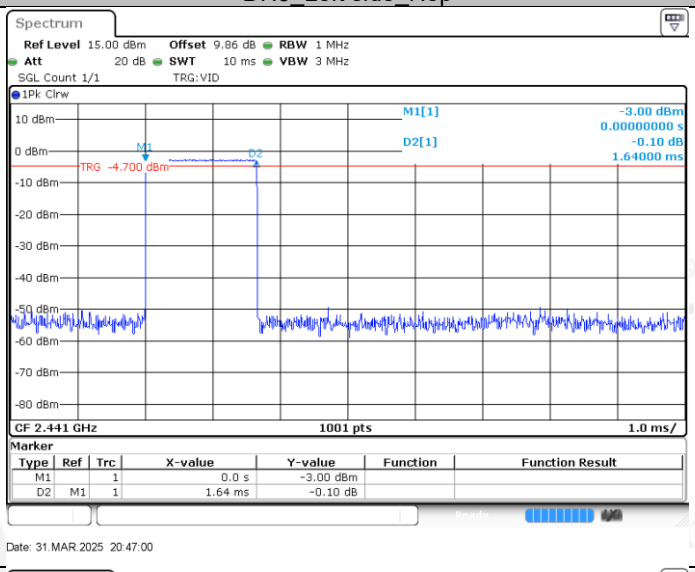
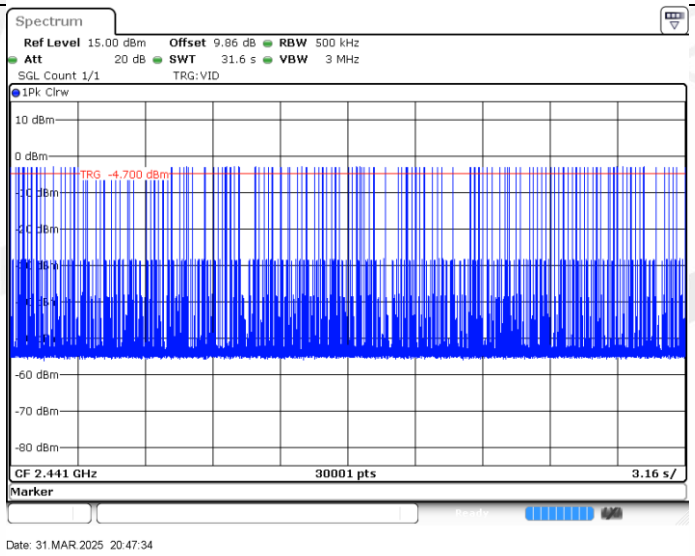
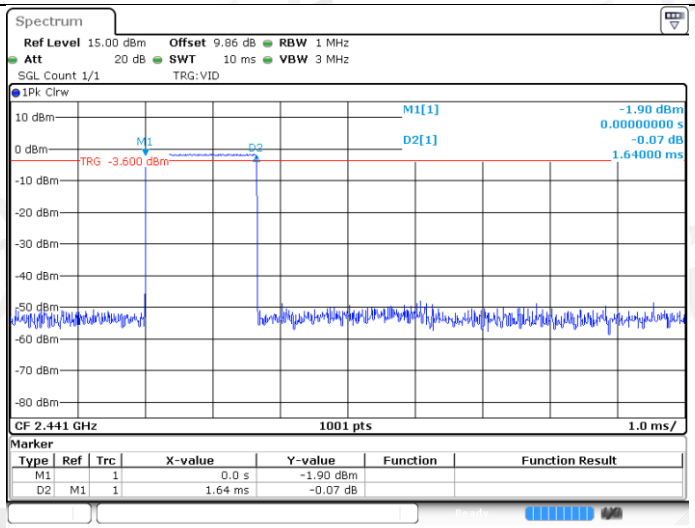


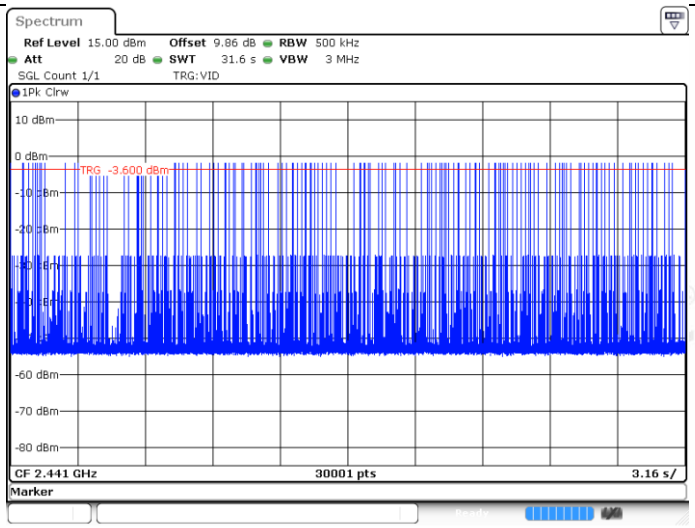
DH3_Left side_Hop



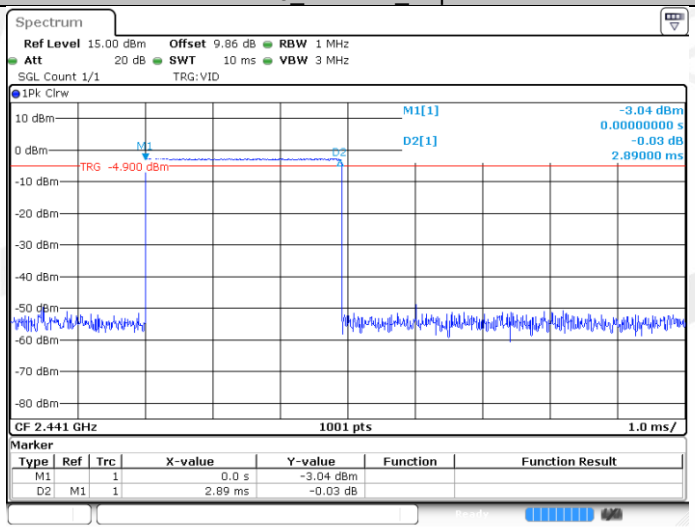


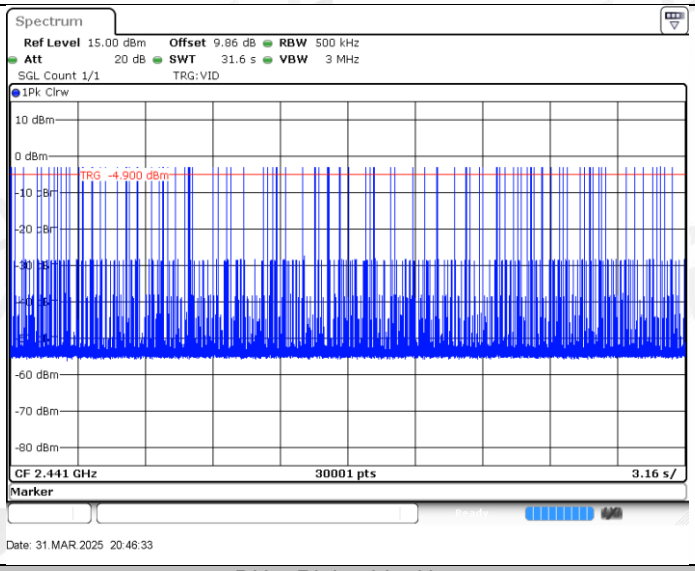
DH3_Right side_Hop



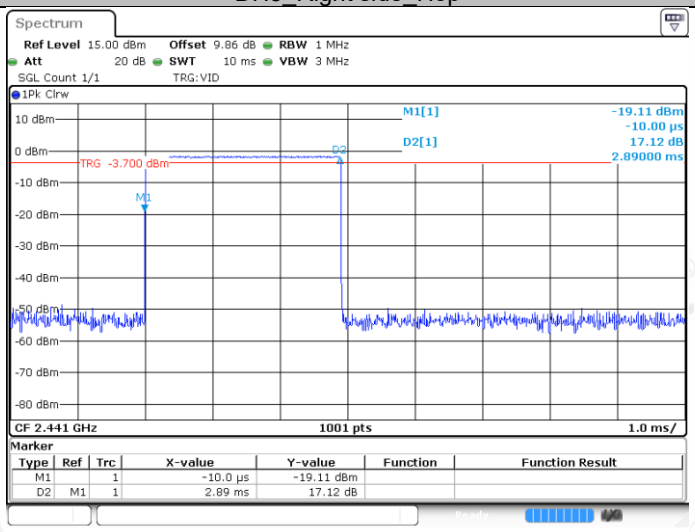


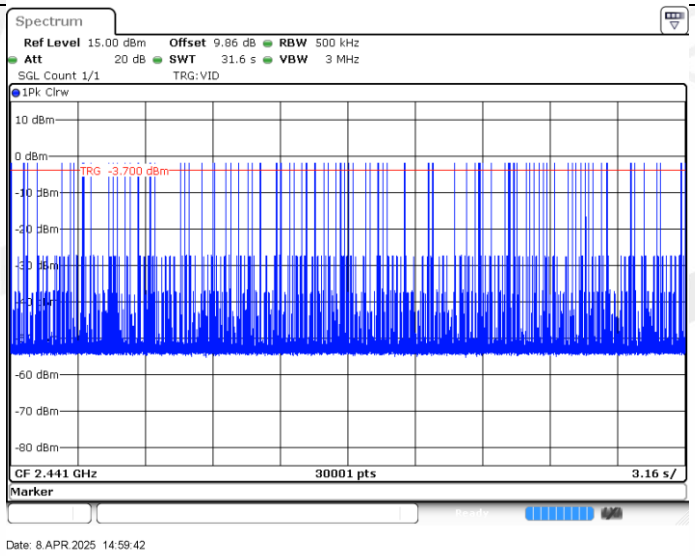
DH5_Left side_Hop



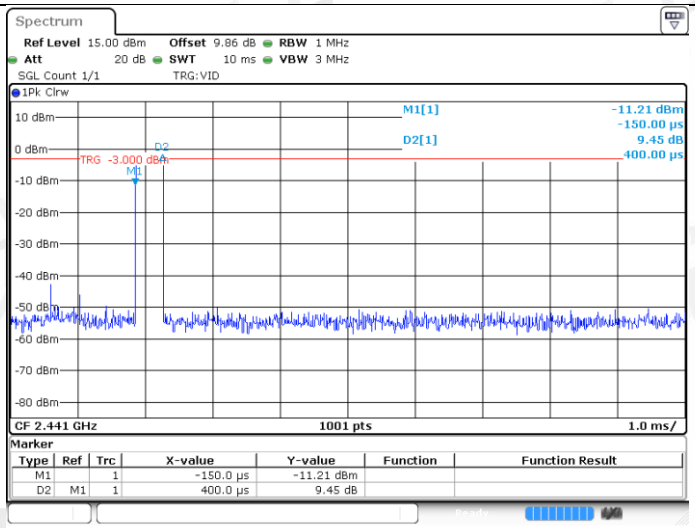


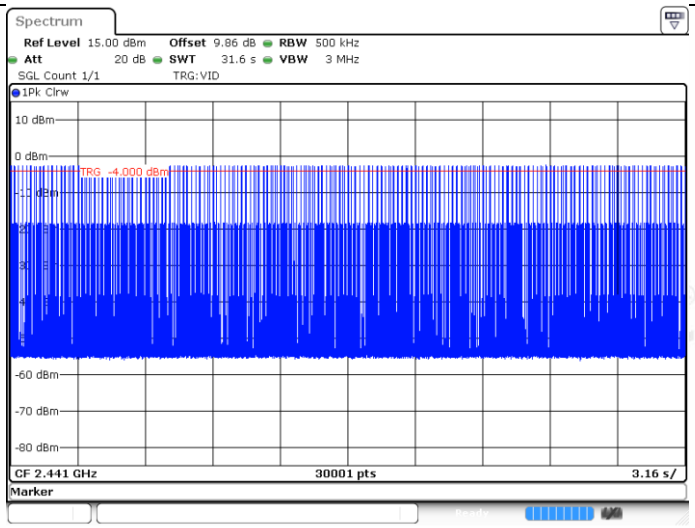
DH5_Right side_Hop



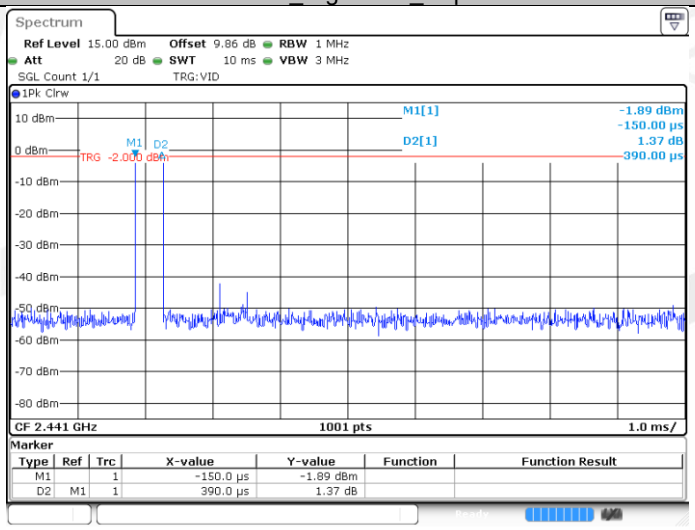


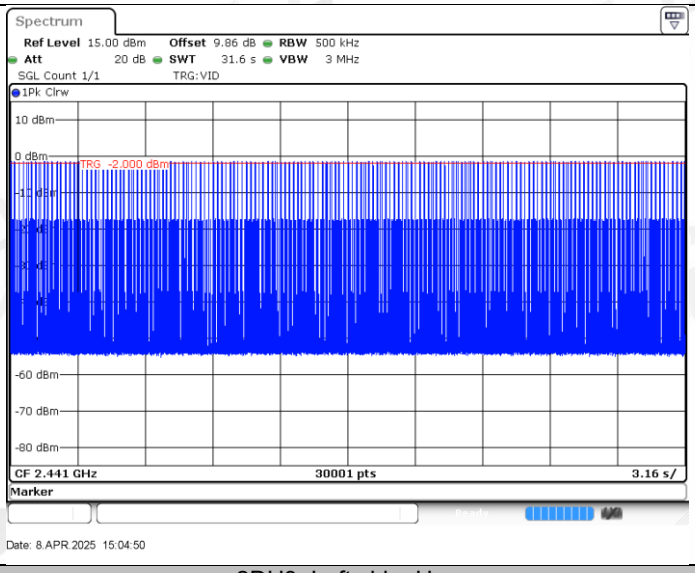
2DH1_Left side_Hop



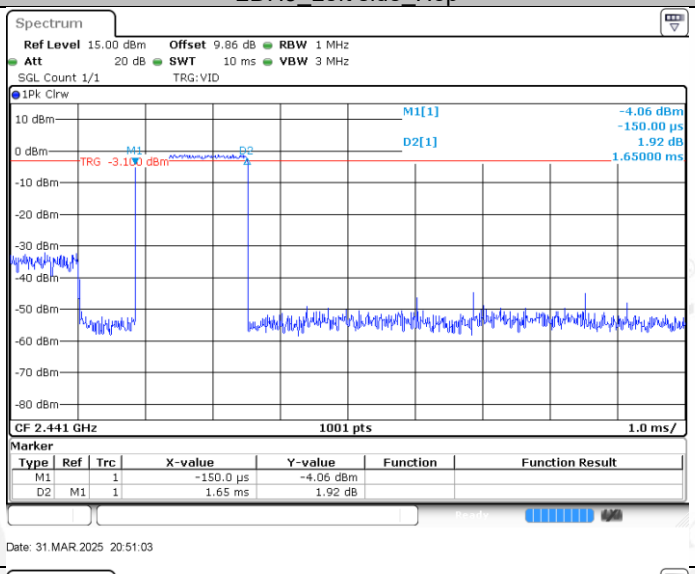


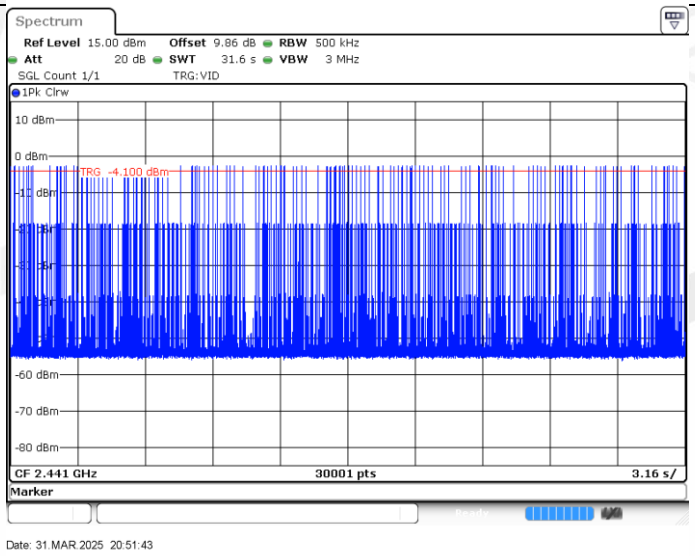
2DH1_Right side_Hop



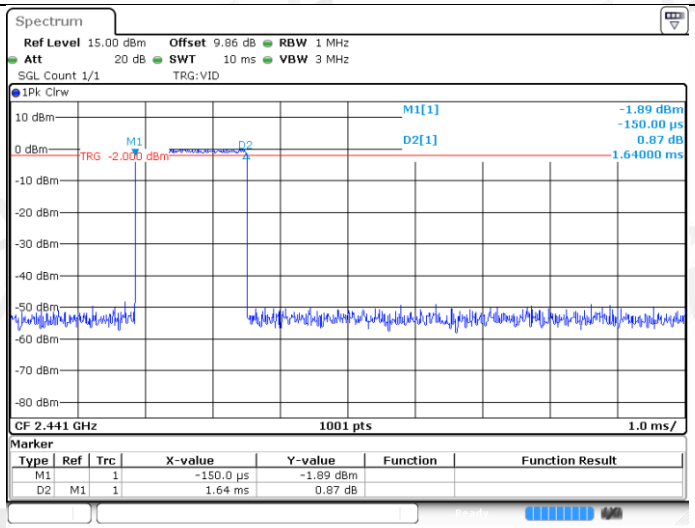


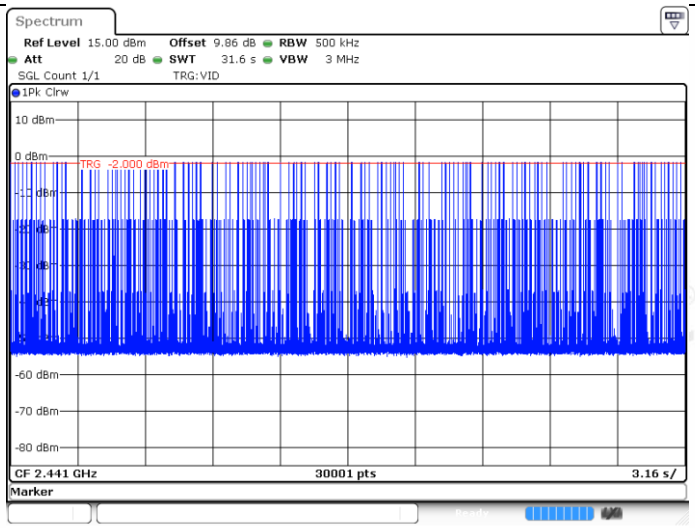
2DH3_Left side_Hop



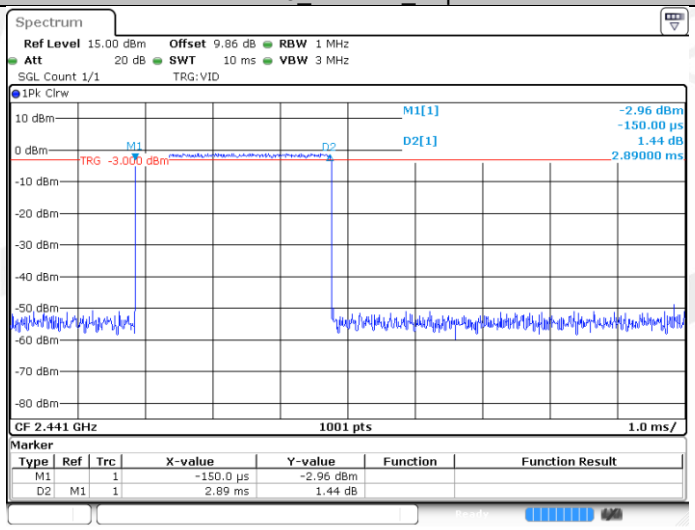


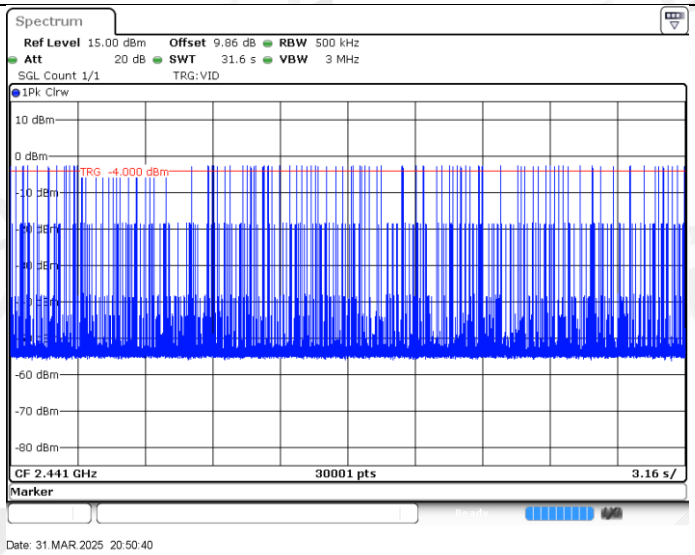
2DH3_Right side_Hop



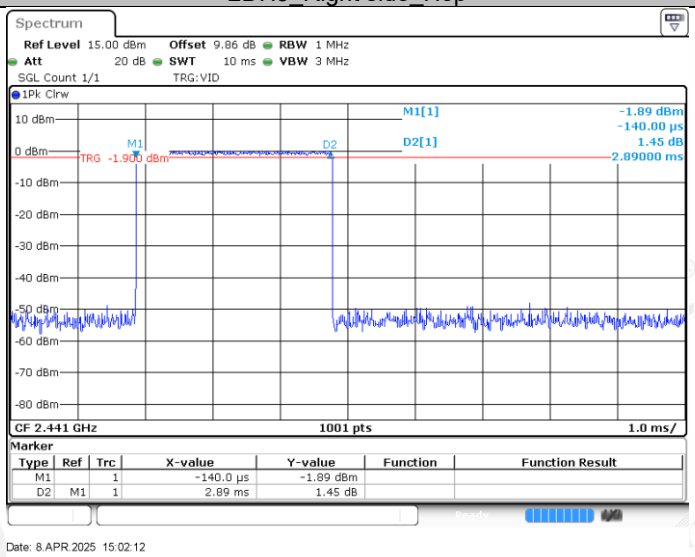


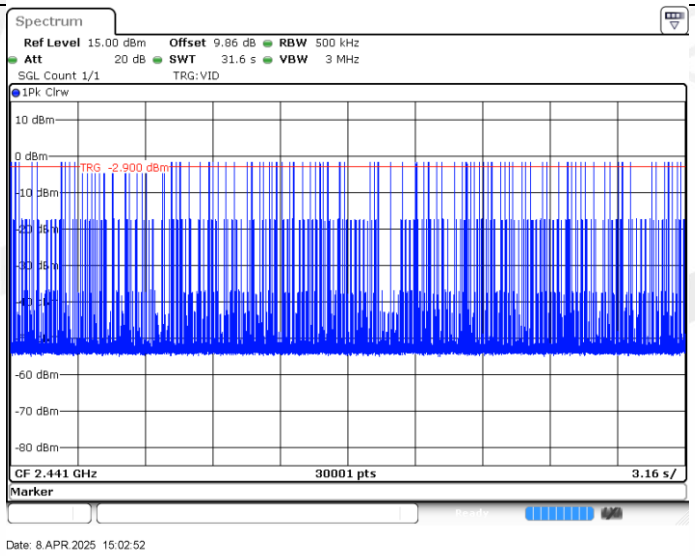
2DH5_Left side_Hop





2DH5_Right side_Hop





3DH1_Left side_Hop