

FCC AND ISED CERTIFICATION TEST REPORT

FOR

Applicant	:	Creative Labs Pte. Ltd.
Address	:	31 International Business Park, #03-01, Singapore 609921
Equipment under Test	:	Creative Zen Air Plus
Model No.	:	EF1100
Trade Mark	:	CREATIVE
FCC ID	:	2AJIV-EF1100
IC	:	20469-EF1100
Manufacturer	:	Creative Labs Pte. Ltd.
Address	:	31 International Business Park, #03-01, Singapore 609921

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
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REPORT

Table of Contents

	Test report declares.....	4
1.	Summary of Test Results.....	7
2.	General Test Information	8
2.1.	Description of EUT	8
2.2.	Accessories of EUT.....	9
2.3.	Assistant equipment used for test.....	9
2.4.	Block diagram of EUT configuration for test	9
2.5.	Deviations of test standard.....	10
2.6.	Test environment conditions	10
2.7.	Test laboratory	10
2.8.	Measurement uncertainty.....	11
3.	Equipment Used During Test.....	12
4.	20 dB Bandwidth	13
4.1.	Block diagram of test setup.....	13
4.2.	Limits	13
4.3.	Test procedure	13
4.4.	Test result.....	14
4.5.	Test graphs	15
5.	99% Bandwidth	21
5.1.	Block diagram of test setup.....	21
5.2.	Limits	21
5.3.	Test procedure	21
5.4.	Test Result	22
5.5.	Test Graphs.....	23
6.	Maximum Peak Output Power	29
6.1.	Block diagram of test setup.....	29
6.2.	Limits	29
6.3.	Test procedure	29
6.4.	Test Result	30
6.5.	Test graphs	31
7.	Carrier Frequency Separation.....	37
7.1.	Block diagram of test setup.....	37
7.2.	Limits	37
7.3.	Test procedure	37
7.4.	Test result.....	38
7.5.	Test graphs	39
8.	Dwell Time.....	41

8.1.	Block diagram of test setup.....	41
8.2.	Limits	41
8.3.	Test procedure	41
8.4.	Test result.....	42
8.5.	Test graphs	43
9.	Number of Hopping Channel	55
9.1.	Block diagram of test setup.....	55
9.2.	Limits	55
9.3.	Test procedure	55
9.4.	Test result.....	56
9.5.	Test graphs	57
10.	Band Edge Compliance (Conducted Method)	59
10.1.	Block diagram of test setup.....	59
10.2.	Limit.....	59
10.3.	Test procedure	59
10.4.	Test result.....	59
10.5.	Test graphs	60
11.	RF Conducted Spurious Emissions	68
11.1.	Block diagram of test setup.....	68
11.2.	Limits	68
11.3.	Test procedure	68
11.4.	Test result.....	69
11.5.	Test graphs	70
12.	Duty cycle.....	88
12.1.	Block diagram of test setup.....	88
12.2.	Limit.....	88
12.3.	Test procedure	88
12.4.	Test result.....	89
12.5.	Test graphs	90
13.	Radiated Emission	96
13.1.	Block diagram of test setup.....	96
13.2.	Limit.....	97
13.3.	Test Procedure.....	99
13.4.	Test result.....	100
14.	Band Edge Compliance (Radiated Method)	117
14.1.	Block diagram of test setup.....	117
14.2.	Limit.....	117
14.3.	Test Procedure.....	117

14.4.	Test result.....	117
15.	Power Line Conducted Emission.....	142
15.1.	Block diagram of test setup.....	142
15.2.	Power line conducted emission limits.....	142
15.3.	Test procedure.....	142
15.4.	Test result.....	143
16.	Antenna Requirements	146
16.1.	Limit.....	146
16.2.	Result	146
17.	Test Setup Photograph	147
18.	Photos of the EUT	150

Test Report Declare

Applicant	:	Creative Labs Pte. Ltd.
Address	:	31 International Business Park, #03-01, Singapore 609921
Equipment under Test	:	Creative Zen Air Plus
Model No.	:	EF1100
Trade Mark	:	CREATIVE
Manufacturer	:	Creative Labs Pte. Ltd.
Address	:	31 International Business Park, #03-01, Singapore 609921

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 2 February 2017.

Test Procedure Used:

ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

We Declare:

The equipment described above is tested by Dongguan 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 Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.

Report No.:	DDT-RE23060608-2E01		
Date of Receipt:	Jul. 18, 2023	Date of Test:	Jul. 18, 2023 ~ Jul. 27, 2023

Prepared By:

Bobo Chen

Bobo Chen/Engineer

Approved By:



Damon Hui/EMC Manager

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

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 04, 2023	

1. Summary of Test Results

Description of Test Item	Standard	Verdict
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) RSS-247 Issue 2 clause 5.4(b)	Pass
20 dB Bandwidth	FCC Part 15: 15.247(a)(1) RSS-247 Issue 2 clause 5.1(a)	Pass
99% Bandwidth	RSS-Gen Issue 5 clause 6.7	Pass
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) RSS-247 Issue 2 clause 5.1(b)	Pass
Number of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) RSS-247 Issue 2 clause 5.1(d)	Pass
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) RSS-247 Issue 2 clause 5.1(d)	Pass
RF Conducted Spurious Emissions	FCC Part 15: 15.247(d) RSS-247 Issue 2 clause 5.5	Pass
Radiated Emission	FCC Part 15: 15.205 FCC Part 15: 15.209 FCC Part 15: 15.247(d) RSS-247 Issue 2 clause 5.5 RSS-Gen Issue 5 clause 8.9 RSS-Gen Issue 5 clause 8.10	Pass
Band Edge Compliance	FCC Part 15: 15.205 FCC Part 15: 15.209 FCC Part 15: 15.247(d) RSS-247 Issue 2 clause 5.5 RSS-Gen Issue 5 clause 8.9 RSS-Gen Issue 5 clause 8.10	Pass
Power Line Conducted Emissions	FCC Part 15: 15.207(a) RSS-Gen Issue 5 clause 8.8	Pass
Antenna Requirement	FCC Part 15: 15.203 RSS-Gen Issue 5 clause 6.8	Pass

2. General Test Information

2.1. Description of EUT

EUT Name	: Creative Zen Air Plus
Model Number	: EF1100
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 Polymer Li-ion built-in battery : EARBUDS: DC 3.7V Polymer Li-ion built-in battery
Radio Specification	: Bluetooth V5.3
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK
Data Rate	: 1 Mbps, 2 Mbps, 3 Mbps
Antenna	: Left side: 0.94 dBi : Right side: 0.86 dBi
Sample Number	: S23060608-09 for conductive, : S23060608-10 for radiation

Note: EUT is the ab. of equipment under test.

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		

2.2. Accessories of EUT

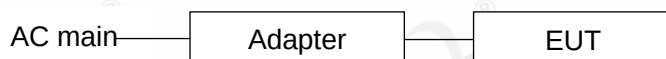
Description of Accessories	Manufacturer	Model number	Description	Remark
N/A	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
Adapter	SAMSUNG	EP-TA200	N/A	Input: 100-240~, 50/60Hz, 0.5A; Output: 9V/1.67A or 5V/2A
NoteBook	Lenovo	I7-4810MQ	N/A	00331-1000-00001-AA816

2.4. Block diagram of EUT configuration for test

Block diagram of Power Line Conducted Emission



Block diagram of other tests



Test software: BT_Tool.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, channel, information			
Mode	Setting Tx Power	Channel	Frequency (MHz)
GFSK hopping on Tx mode	7	CH0 to CH78	2402 to 2480
$\pi/4$ -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
$\pi/4$ -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

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

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

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, 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-20155, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
	1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
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)

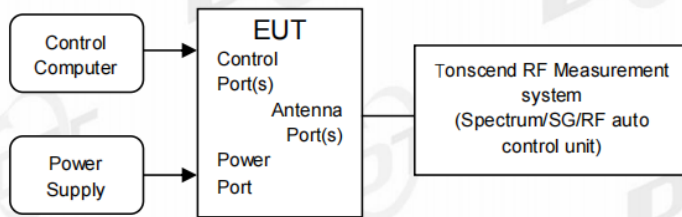
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☑RF Connected Test (Tonscend RF Measurement System 2#)					
Spectrum analyzer	R&S	FSU26	201124	Jun. 12, 2023	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A
☑Radiation 3#chamber					
EMI Test Receiver	R&S	ESU26	100472	Apr. 23, 2023	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Apr. 23, 2023	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 29, 2022	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Jul. 12, 2023	2 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120 D	02468	Sep. 29, 2022	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 26, 2023	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Jul. 15, 2023	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	Apr. 27, 2023	1 Year
RE Cable	N/A	W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M	4.5M+8M+1.5M	Apr. 21, 2023	1 Year
RF Cable	Yuhu Technology	JCTB810-NJ-NJ-9M+ ZT26S-SMAJ-SMAJ-1M	21123964	Apr. 23, 2023	1 Year
Micro-Tronics filters	REBES	BRM50702	G555	N/A	N/A
Micro-Tronics filters	REBES	BRM50716	G392	N/A	N/A
High Pass filter	XB	XBLBQ-GTA67	210820-2-3	N/A	N/A
Test software	Tonscend	JS32-RE	V 5.0.0.1	N/A	N/A
☑Power Line Conducted Emissions Test 1#					
Test Receiver	R&S	ESCI	100551	Aug. 26, 2022	1 Year
LISN 1	R&S	ENV216	101109	Aug. 26, 2022	1 Year
LISN 2	R&S	ESH2-Z5	100309	Aug. 26, 2022	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Aug. 26, 2022	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Aug. 26, 2022	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
Test Receiver	R&S	ESCI	100551	Aug. 26, 2022	1 Year

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

Left side:

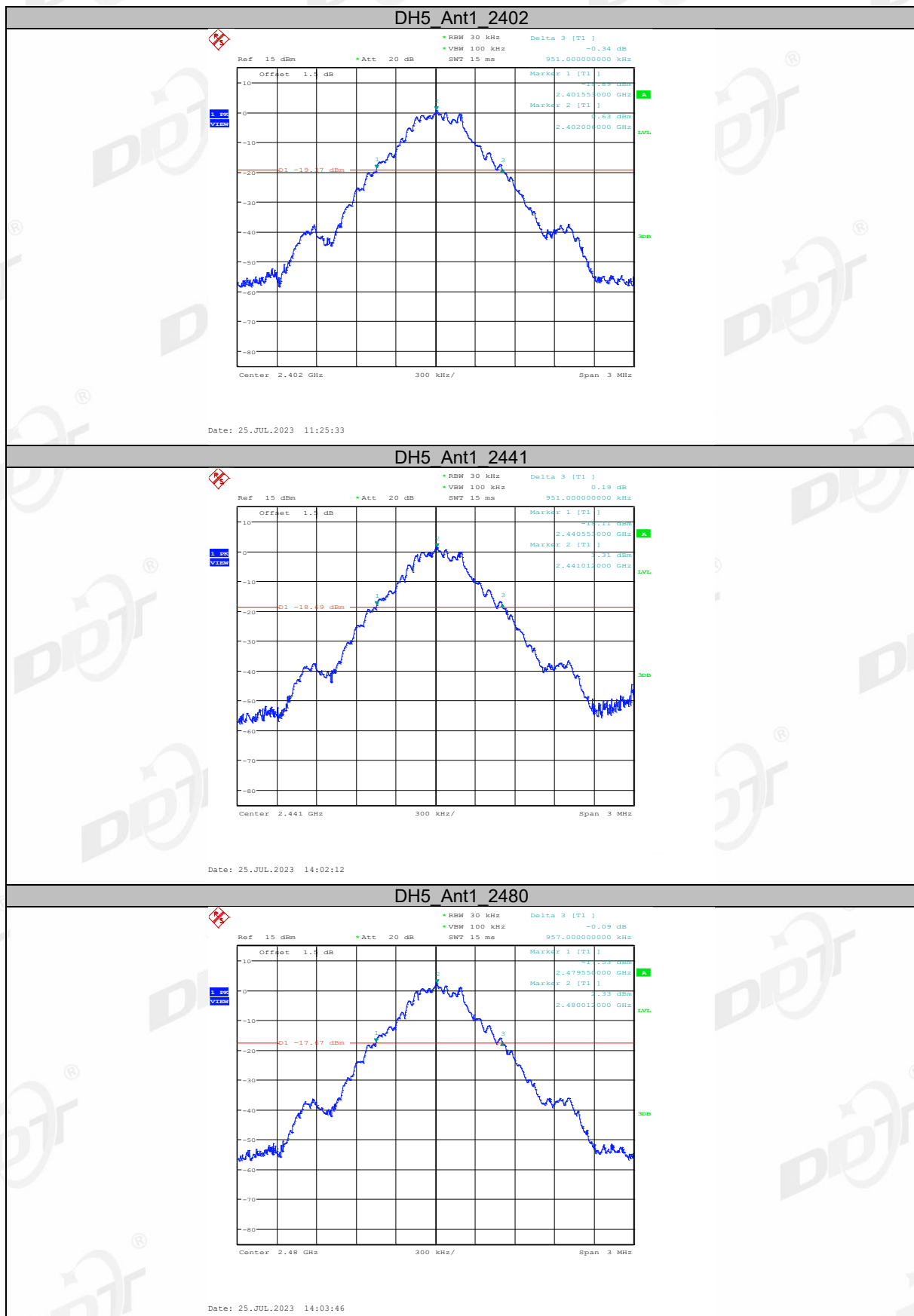
Test Mode	Antenna	Frequency [MHz]	20dB EBW[MHz]
DH5	Ant1	2402	0.95
		2441	0.95
		2480	0.96
2DH5	Ant1	2402	1.33
		2441	1.32
		2480	1.32
3DH5	Ant1	2402	1.30
		2441	1.30
		2480	1.30

Right side:

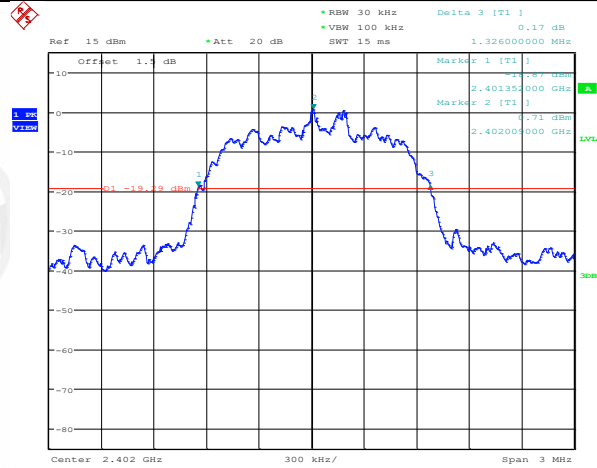
Test Mode	Antenna	Frequency [MHz]	20dB EBW[MHz]
DH5	Ant1	2402	0.95
		2441	0.95
		2480	0.95
2DH5	Ant1	2402	1.32
		2441	1.31
		2480	1.32
3DH5	Ant1	2402	1.29
		2441	1.30
		2480	1.30

4.5. Test graphs

Left side:

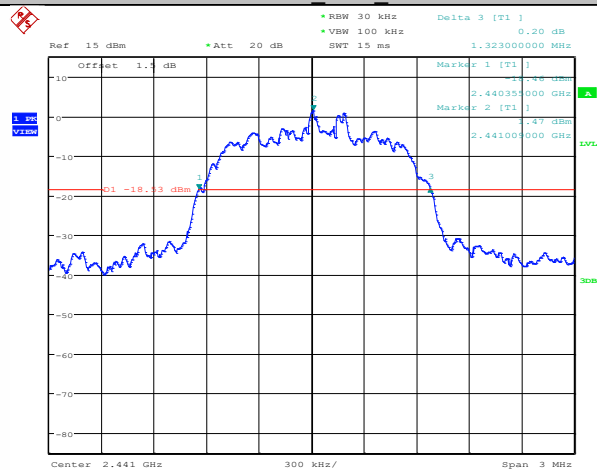


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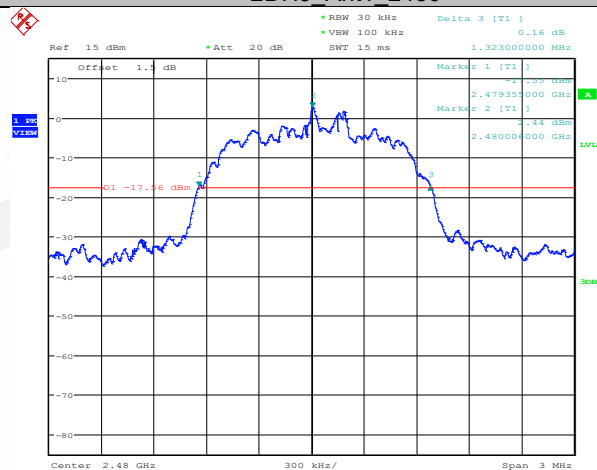
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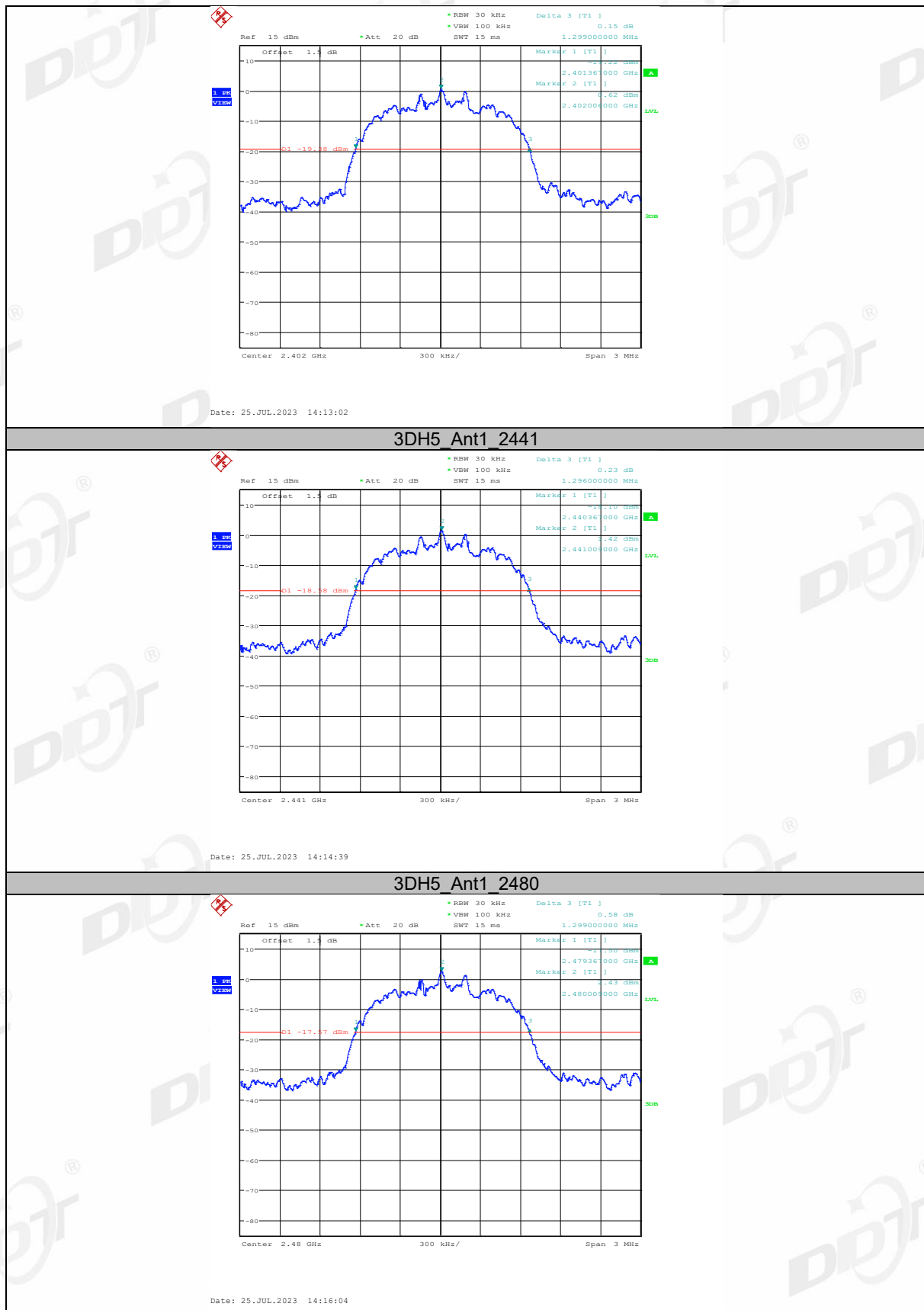
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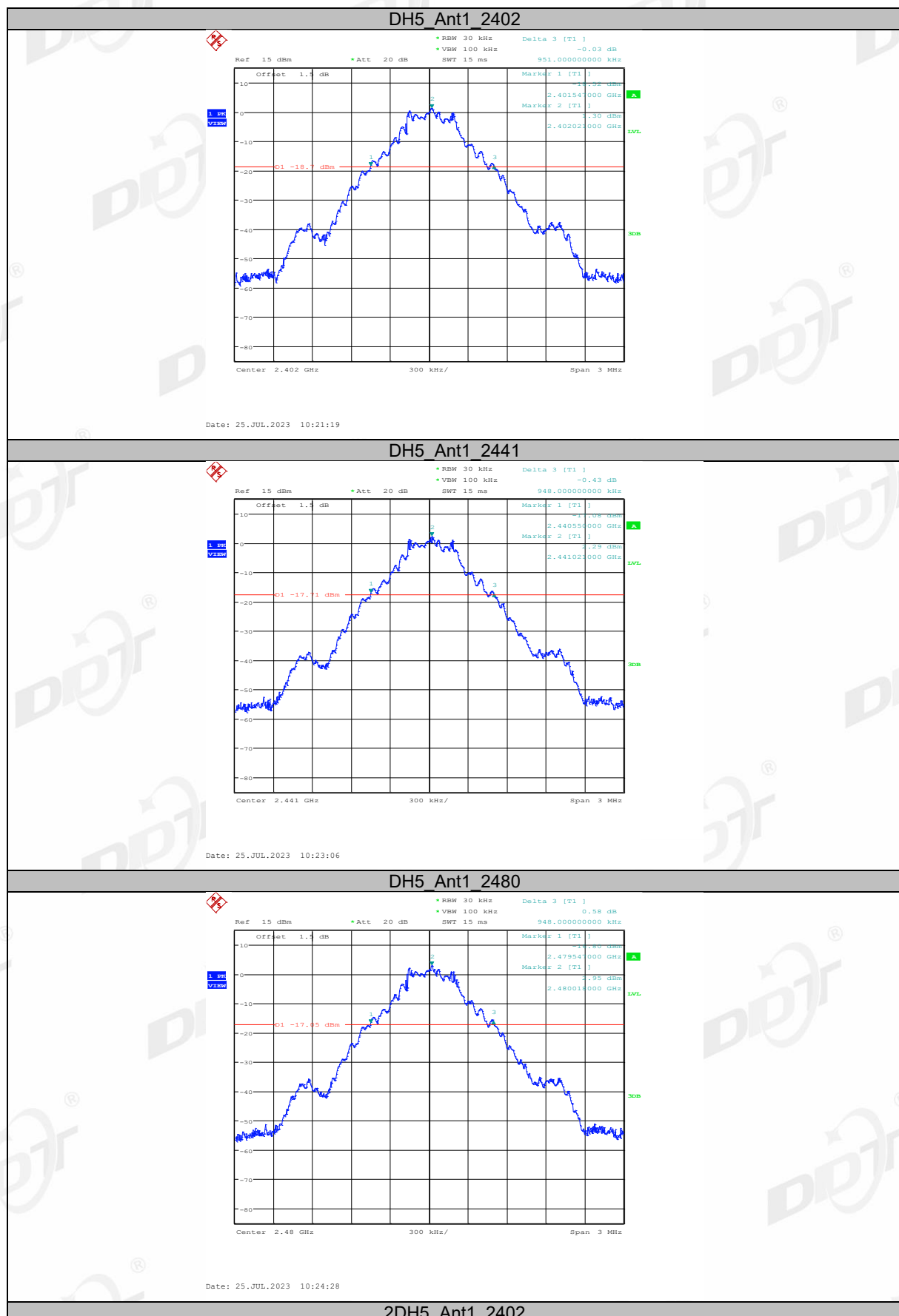


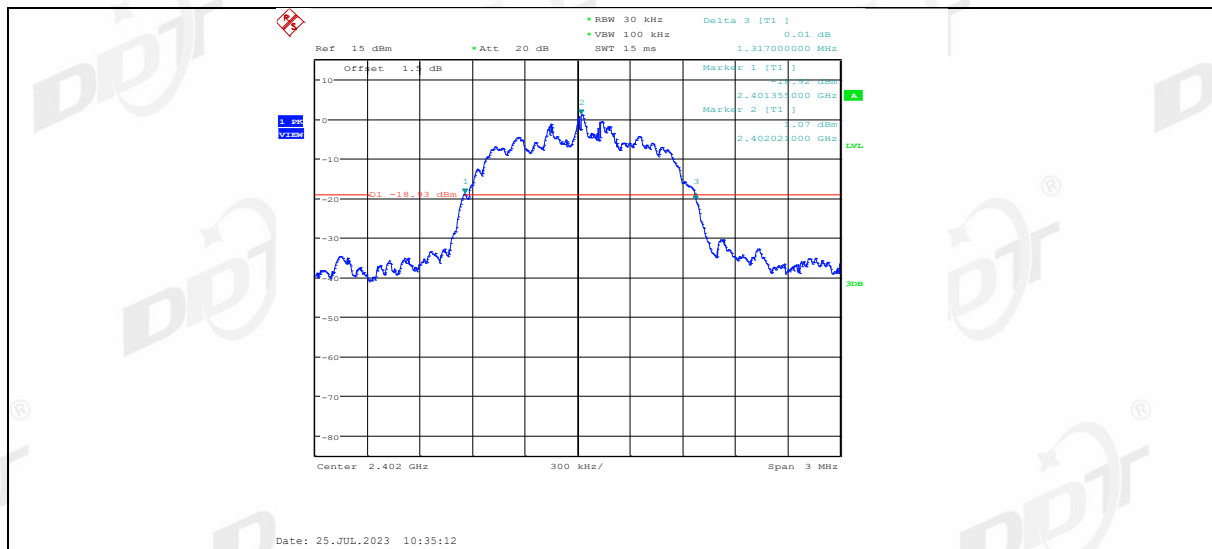
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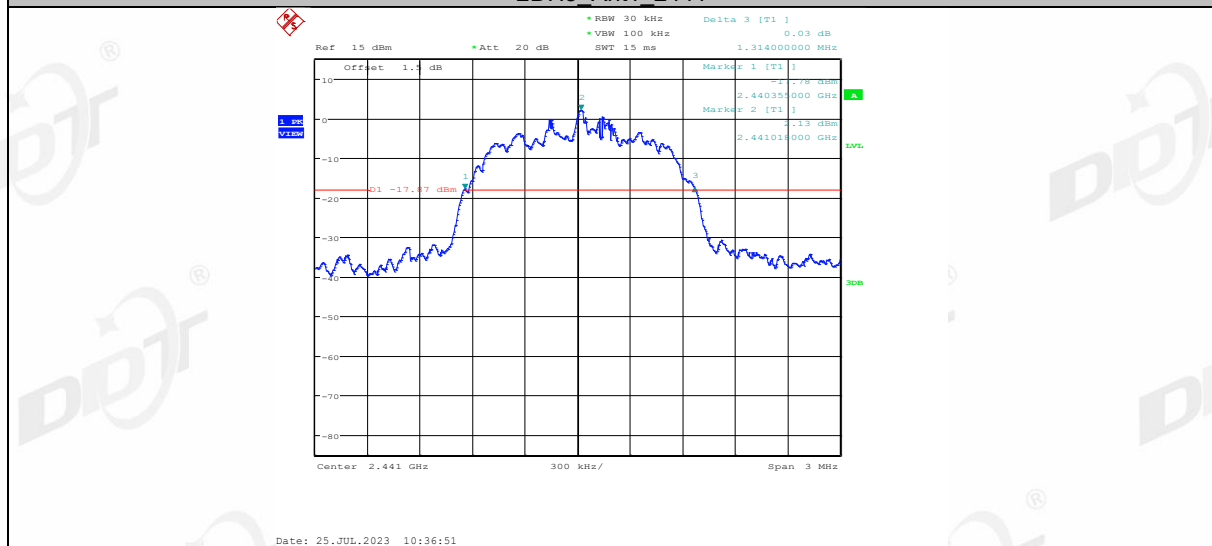


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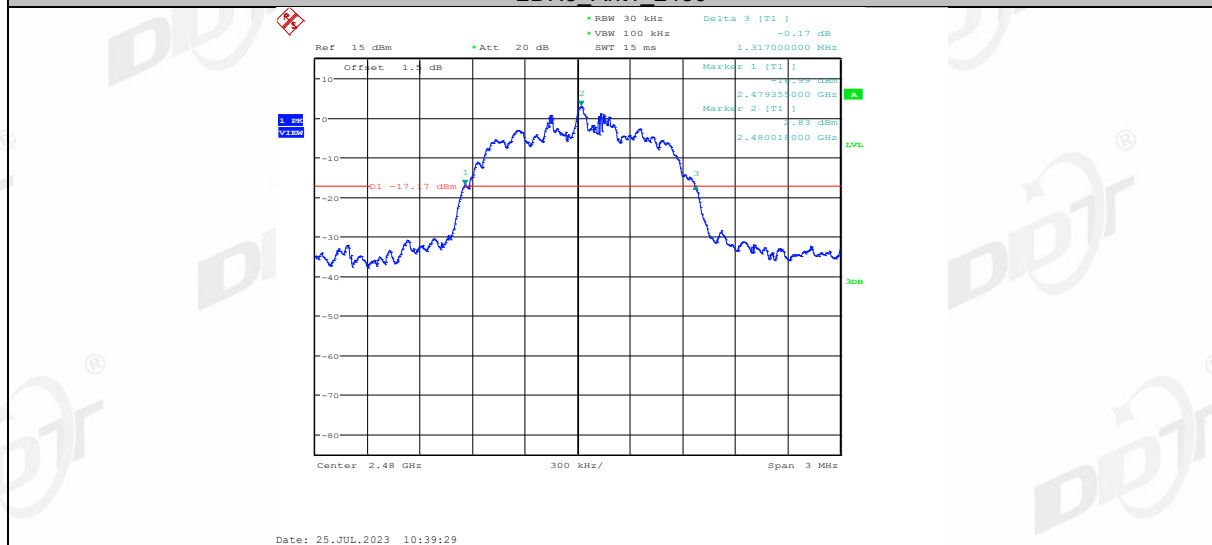




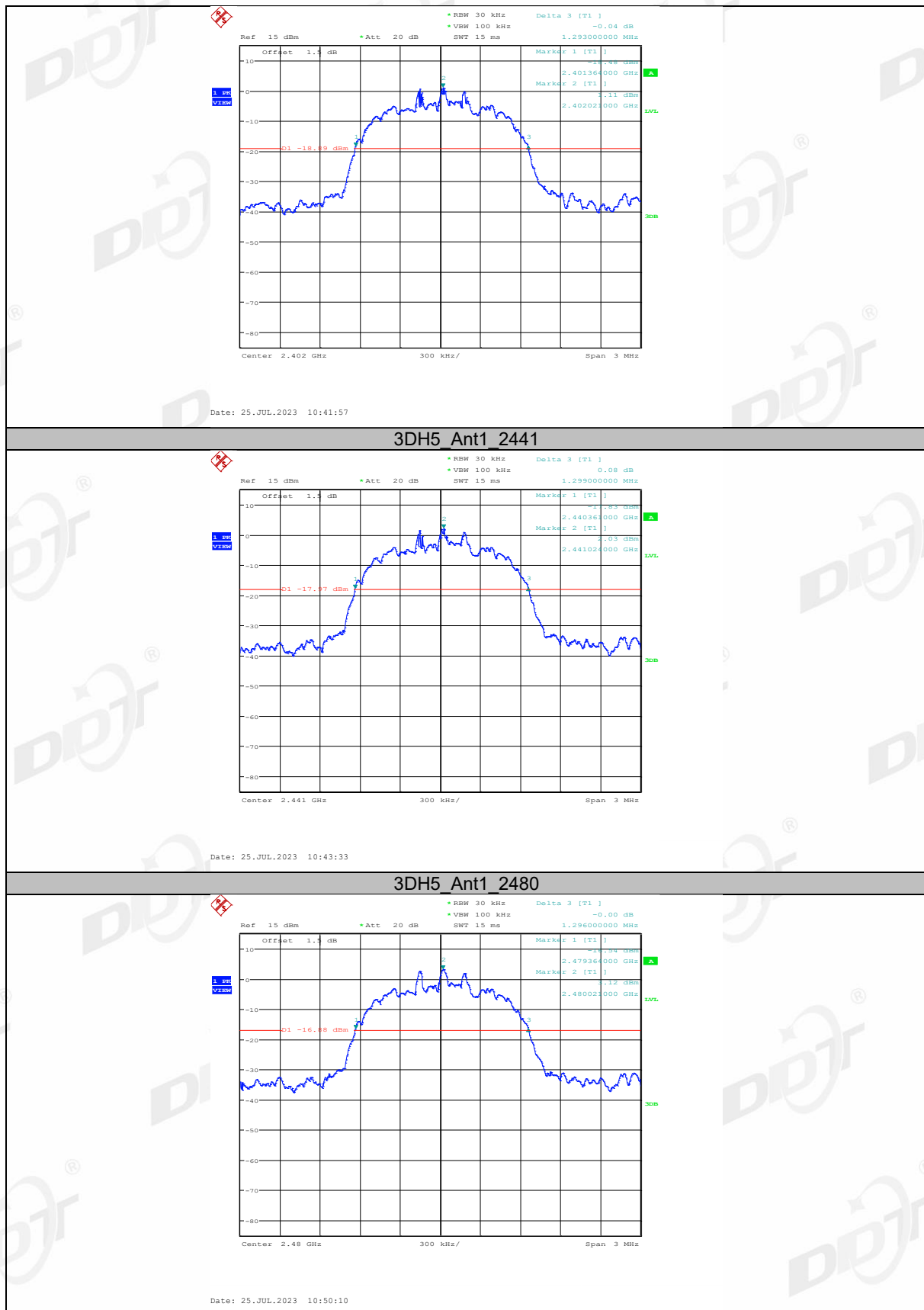
2DH5 Ant1 2441



2DH5 Ant1 2480

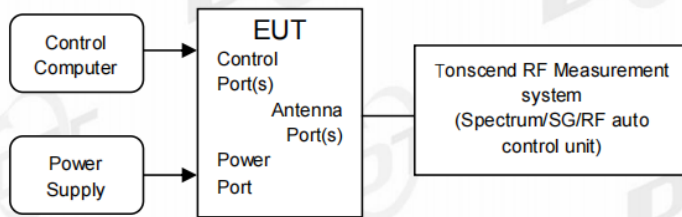


3DH5 Ant1 2402



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

Left side:

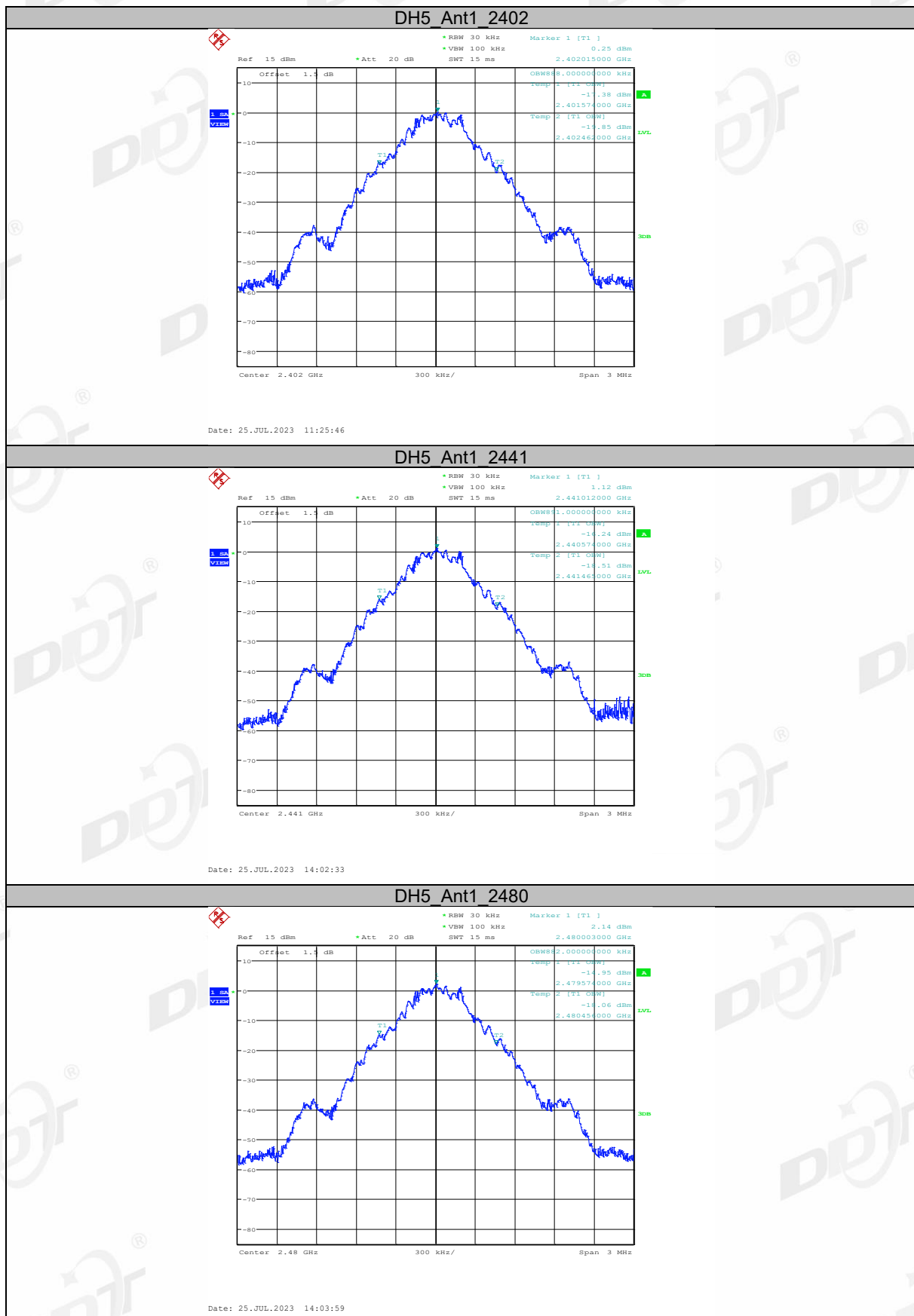
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.888	2401.5740	2402.4620
		2441	0.891	2440.5740	2441.4650
		2480	0.882	2479.5740	2480.4560
2DH5	Ant1	2402	1.200	2401.4180	2402.6180
		2441	1.200	2440.4180	2441.6180
		2480	1.209	2479.4150	2480.6240
3DH5	Ant1	2402	1.191	2401.4210	2402.6120
		2441	1.203	2440.4150	2441.6180
		2480	1.212	2479.4090	2480.6210

Right side:

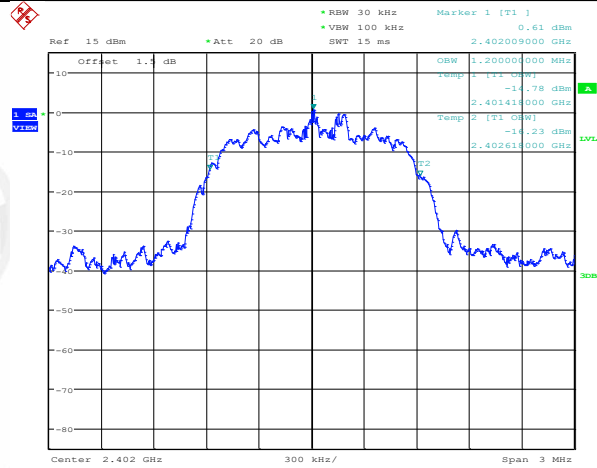
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.873	2401.5740	2402.4470
		2441	0.879	2440.5710	2441.4500
		2480	0.891	2479.5650	2480.4560
2DH5	Ant1	2402	1.197	2401.4150	2402.6120
		2441	1.194	2440.4150	2441.6090
		2480	1.200	2479.4120	2480.6120
3DH5	Ant1	2402	1.185	2401.4180	2402.6030
		2441	1.191	2440.4150	2441.6060
		2480	1.194	2479.4150	2480.6090

5.5. Test Graphs

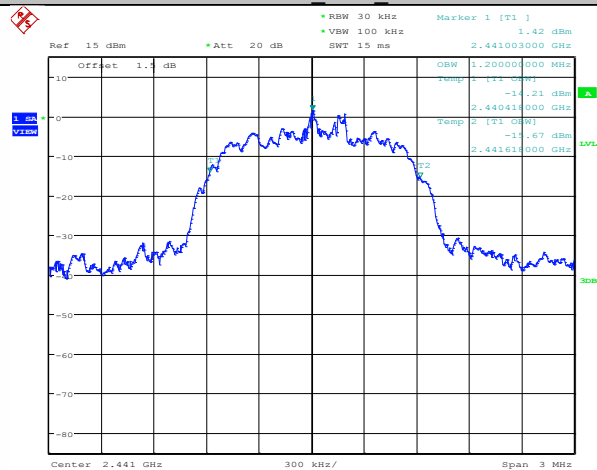
Left side:



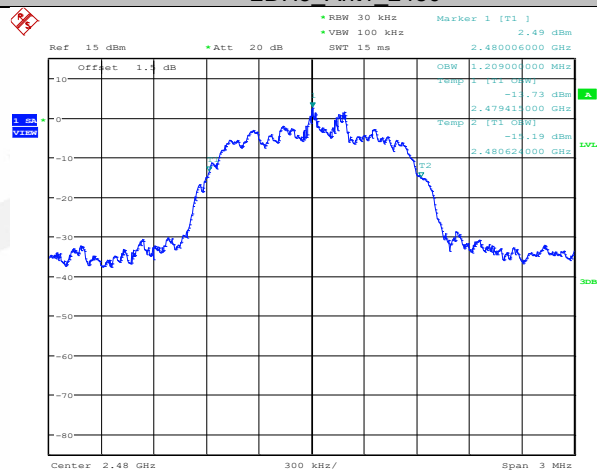
2DH5_Ant1_2402



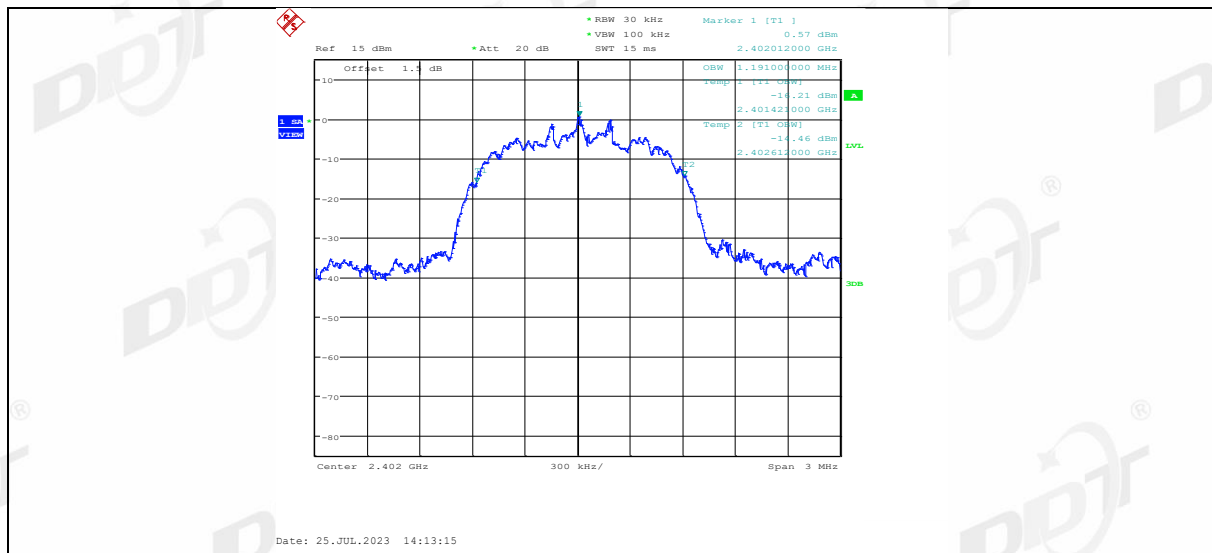
2DH5_Ant1_2441



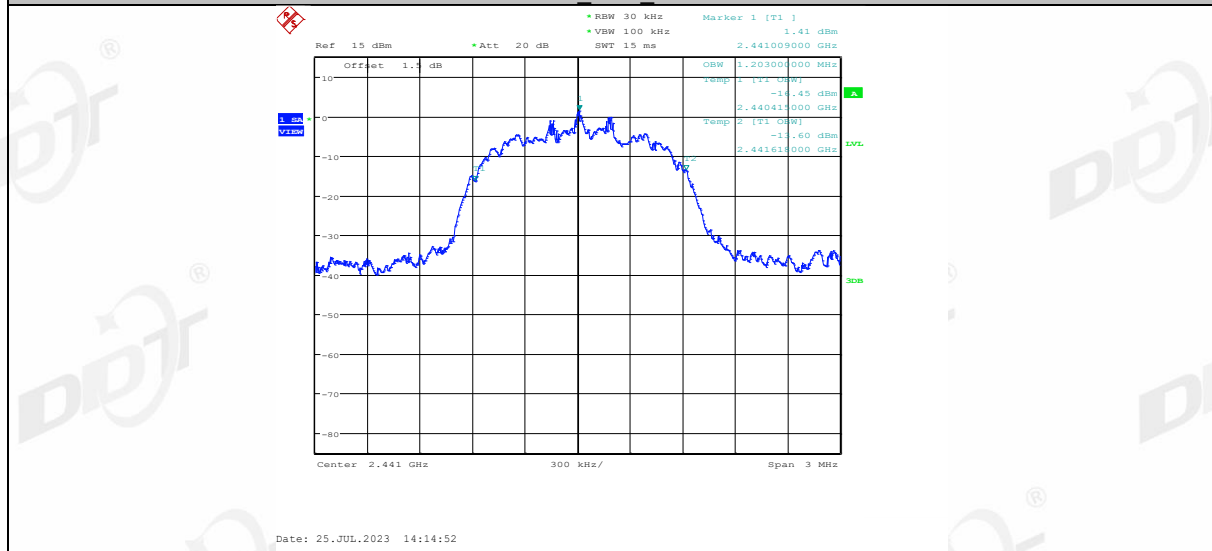
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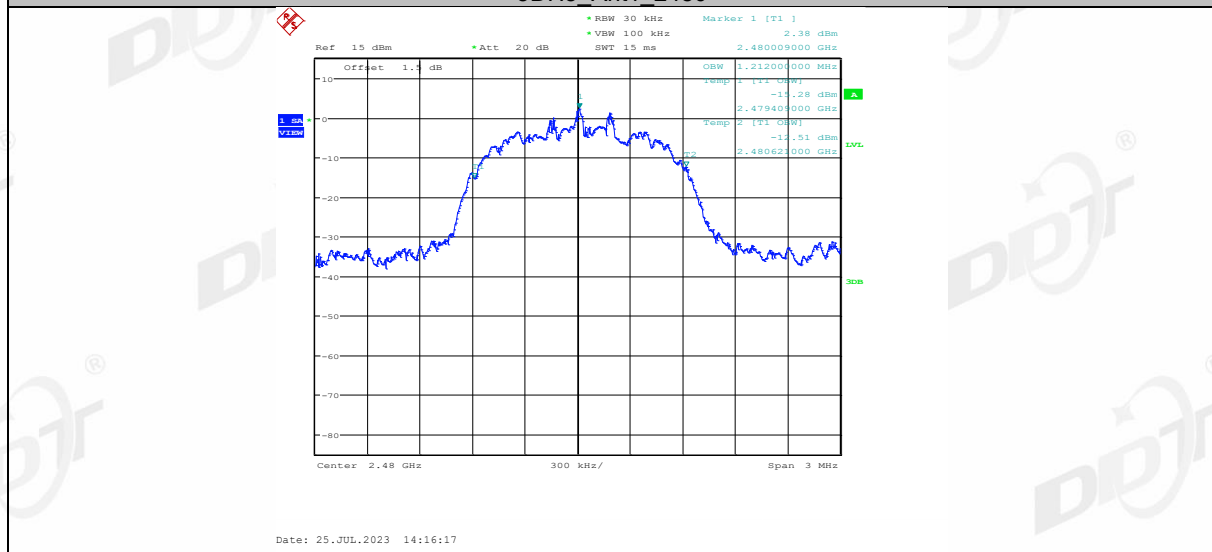
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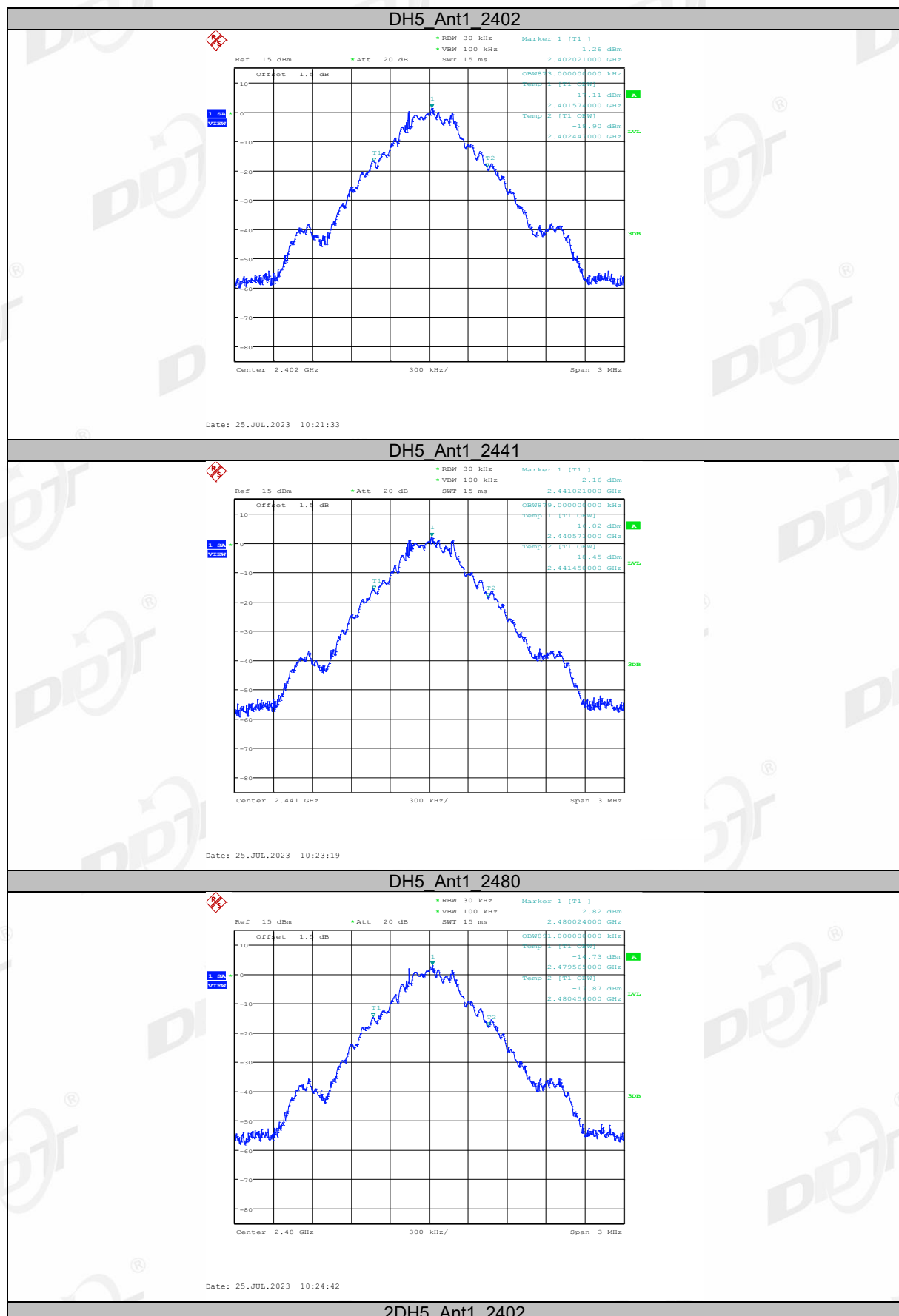
3DH5 Ant1 2441

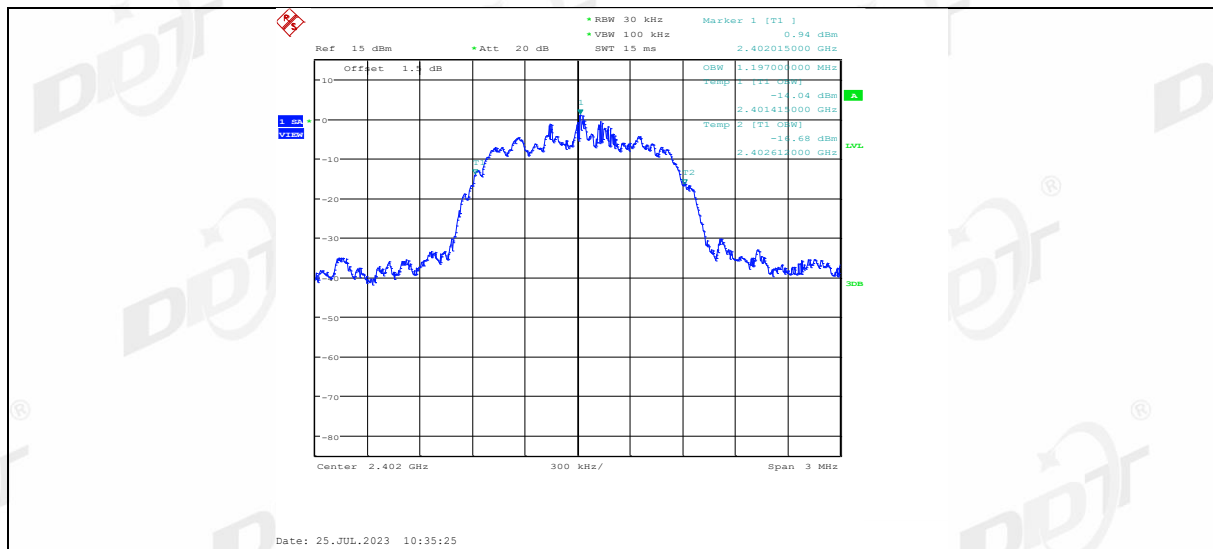


3DH5 Ant1 2480

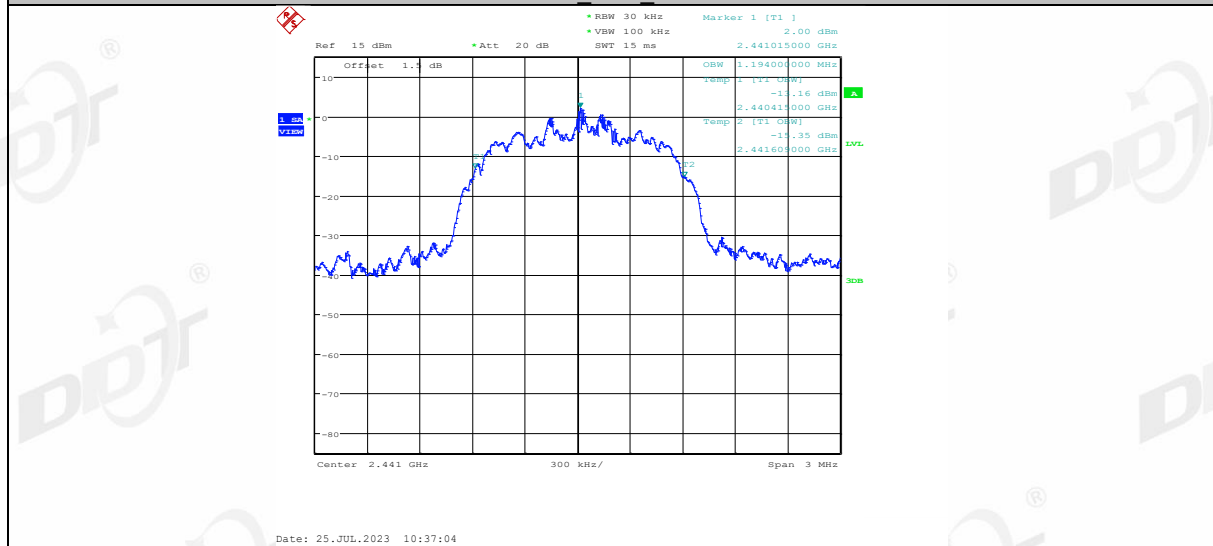


Right side:

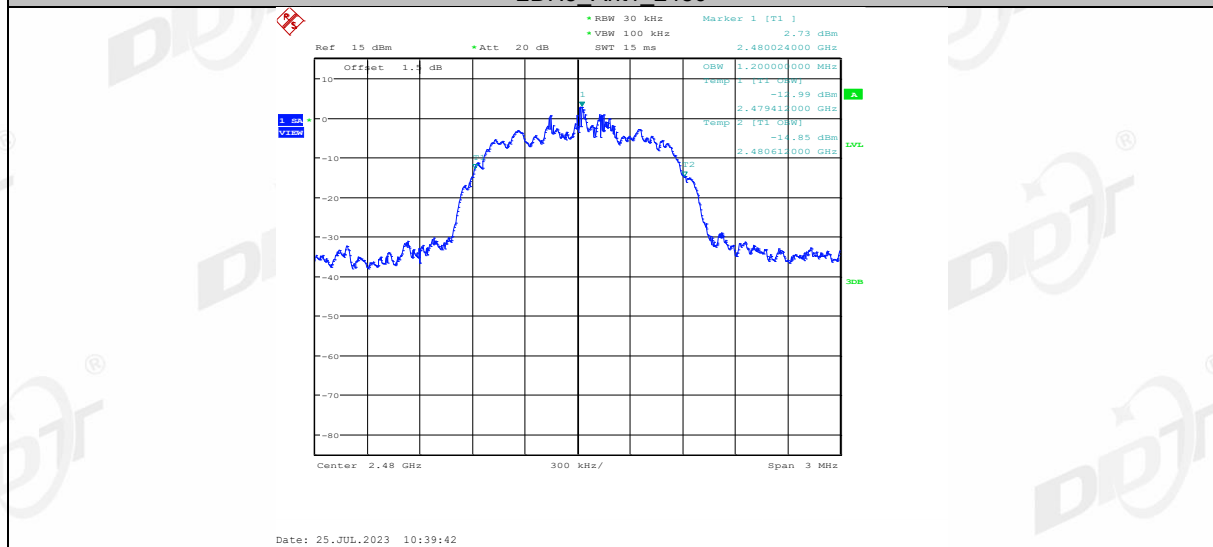




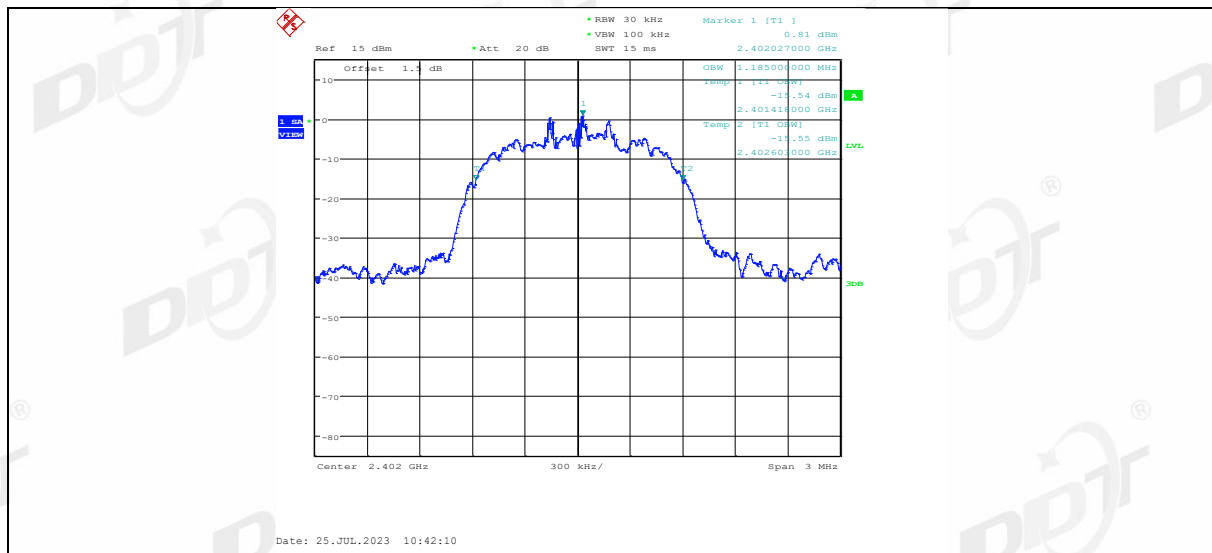
2DH5 Ant1 2441



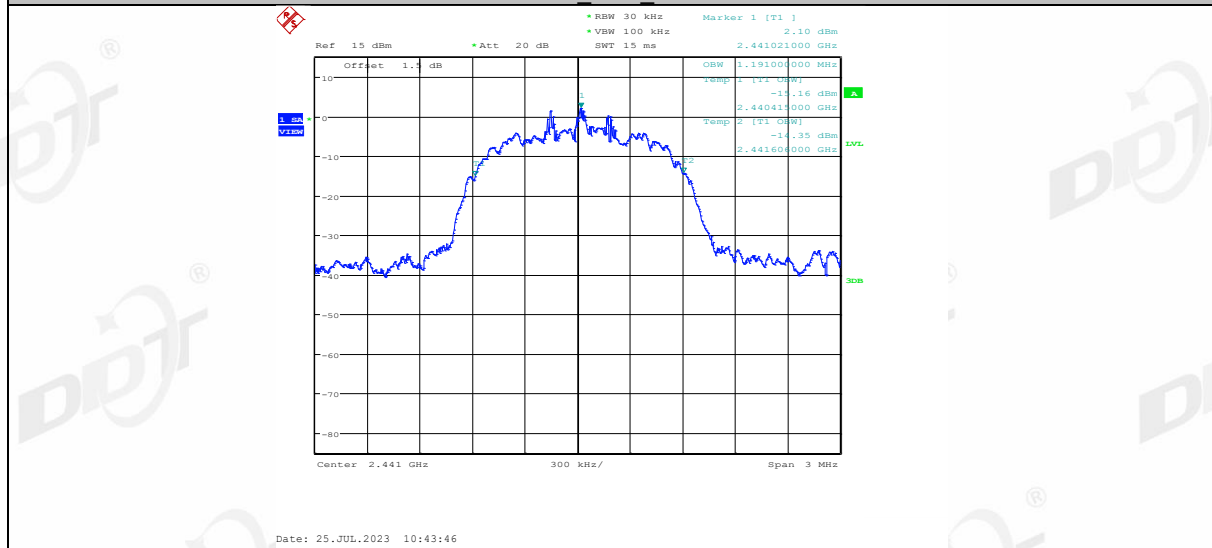
2DH5 Ant1 2480



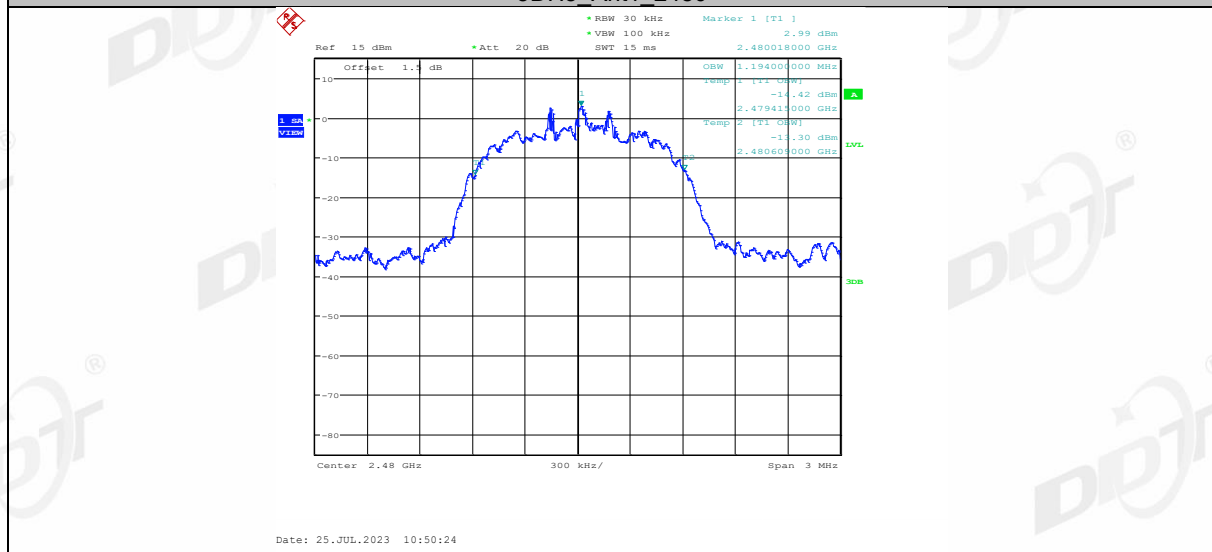
3DH5 Ant1 2402



3DH5 Ant1 2441

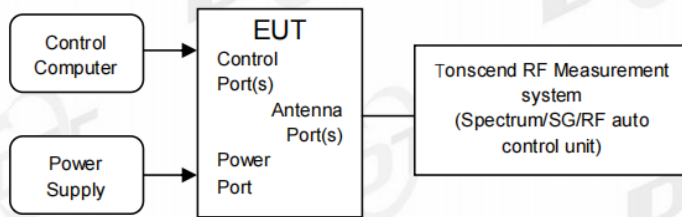


3DH5 Ant1 2480



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: $VBW \geq RBW$.

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

Left side:

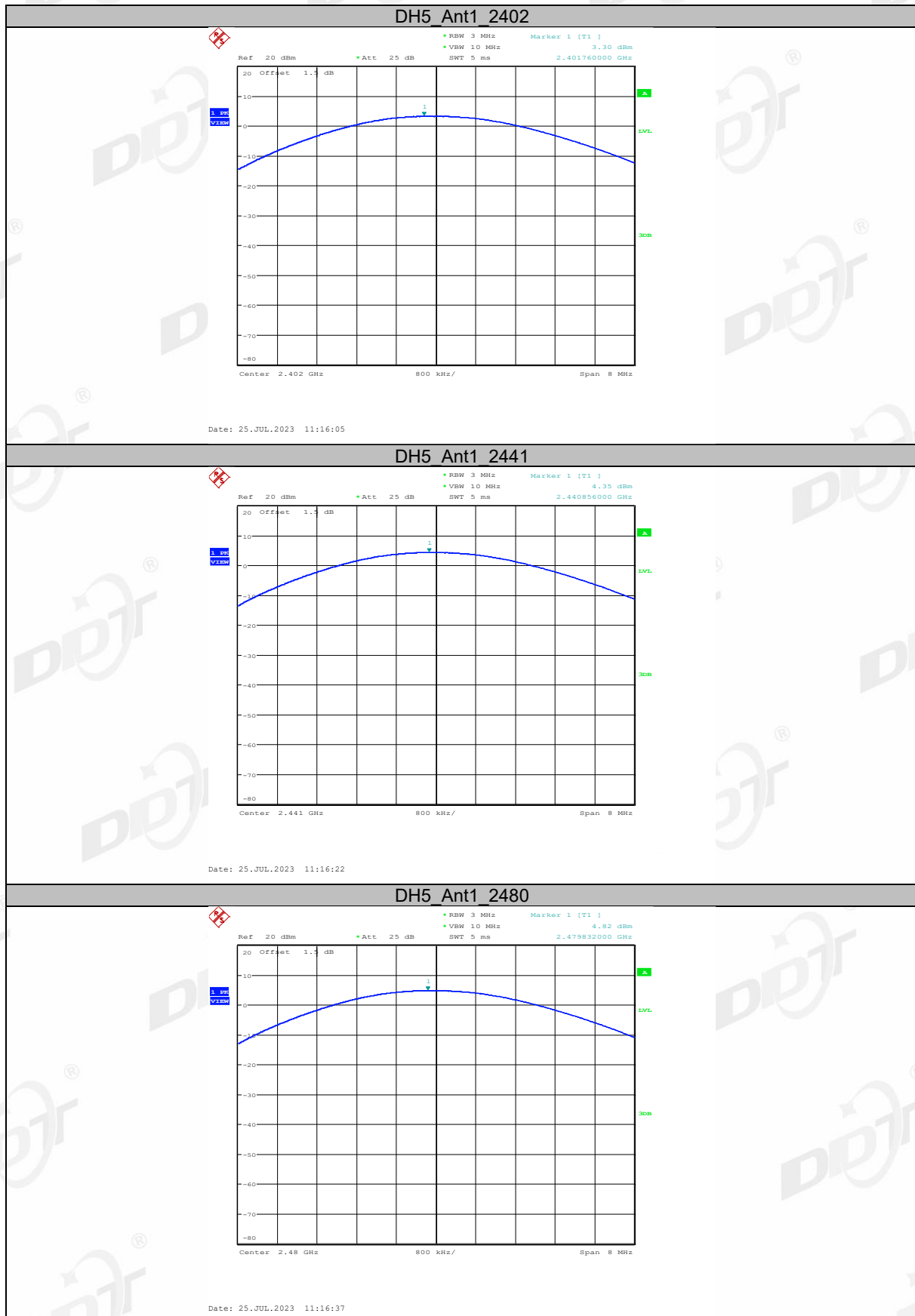
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
DH5	Ant1	2402	3.30	≤20.97	4.24	≤36	PASS
		2441	4.35	≤20.97	5.29	≤36	PASS
		2480	4.82	≤20.97	5.76	≤36	PASS
2DH5	Ant1	2402	5.32	≤20.97	6.26	≤36	PASS
		2441	5.88	≤20.97	6.82	≤36	PASS
		2480	6.17	≤20.97	7.11	≤36	PASS
3DH5	Ant1	2402	5.61	≤20.97	6.55	≤36	PASS
		2441	5.95	≤20.97	6.89	≤36	PASS
		2480	6.26	≤20.97	7.20	≤36	PASS

Right side:

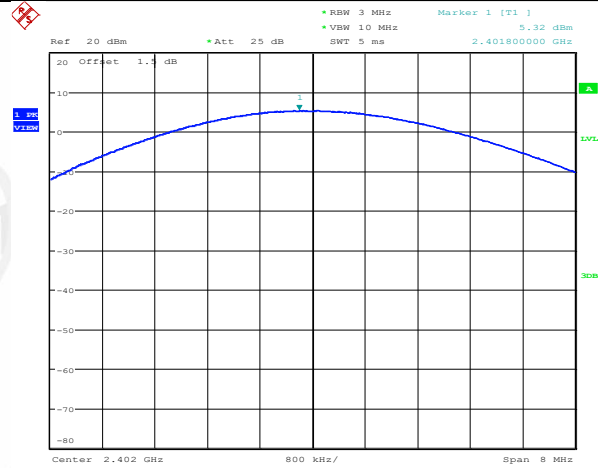
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
DH5	Ant1	2402	3.30	≤20.97	4.16	≤36	PASS
		2441	4.13	≤20.97	4.99	≤36	PASS
		2480	4.98	≤20.97	5.84	≤36	PASS
2DH5	Ant1	2402	5.50	≤20.97	6.36	≤36	PASS
		2441	5.81	≤20.97	6.67	≤36	PASS
		2480	6.49	≤20.97	7.35	≤36	PASS
3DH5	Ant1	2402	5.71	≤20.97	6.57	≤36	PASS
		2441	6.00	≤20.97	6.86	≤36	PASS
		2480	6.61	≤20.97	7.47	≤36	PASS

6.5. Test graphs

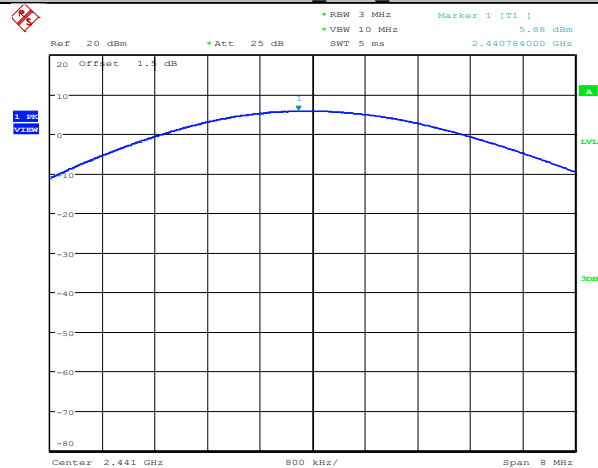
Left side:



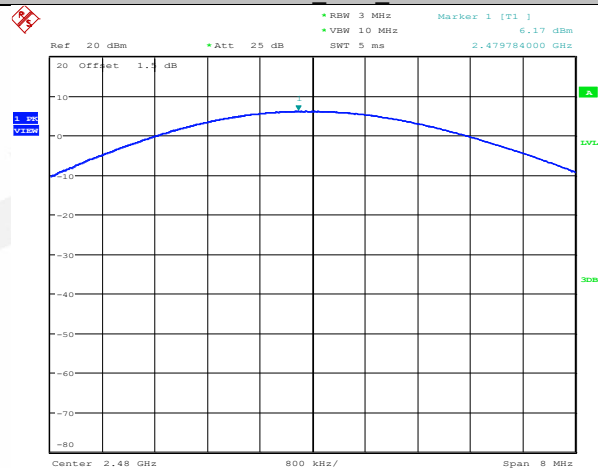
2DH5_Ant1_2402



2DH5_Ant1_2441



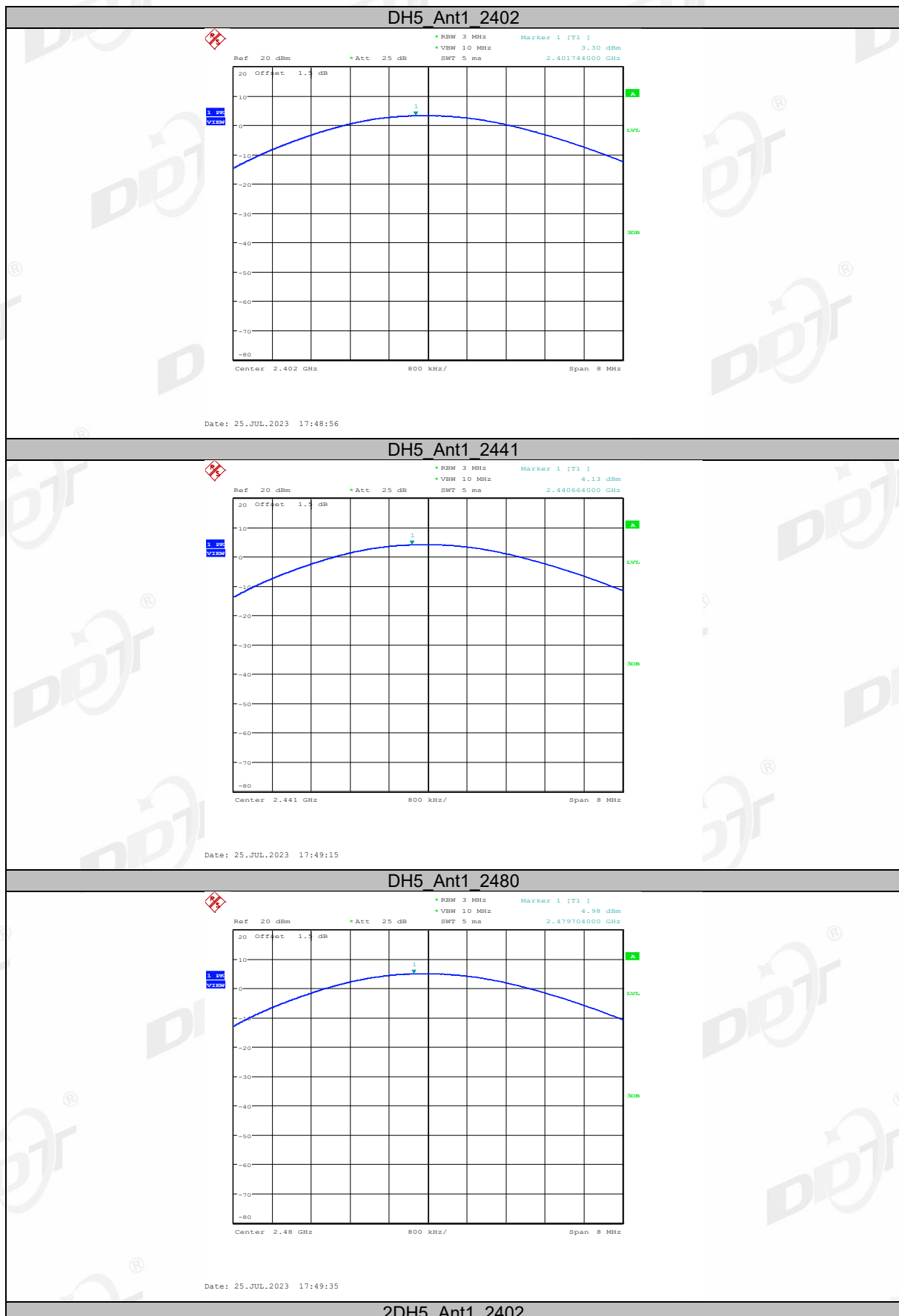
2DH5_Ant1_2480

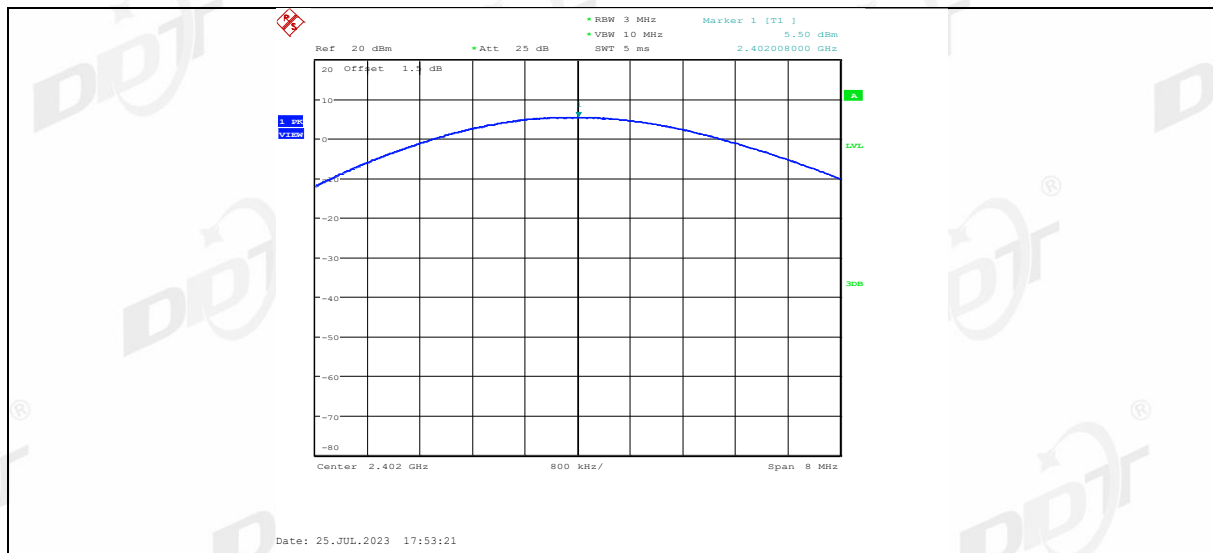


3DH5_Ant1_2402

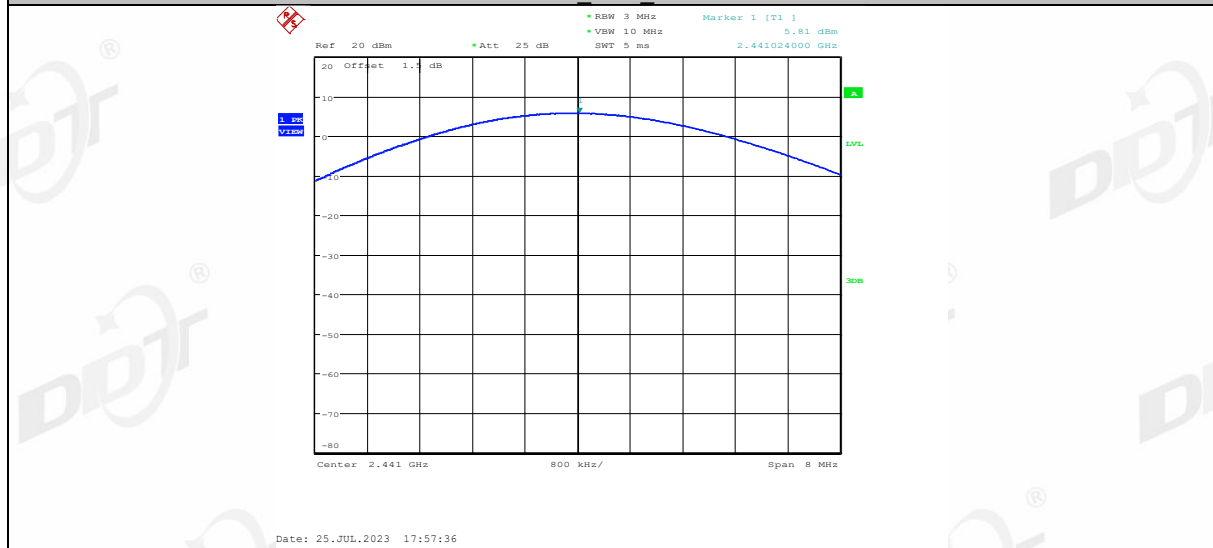


Right side:

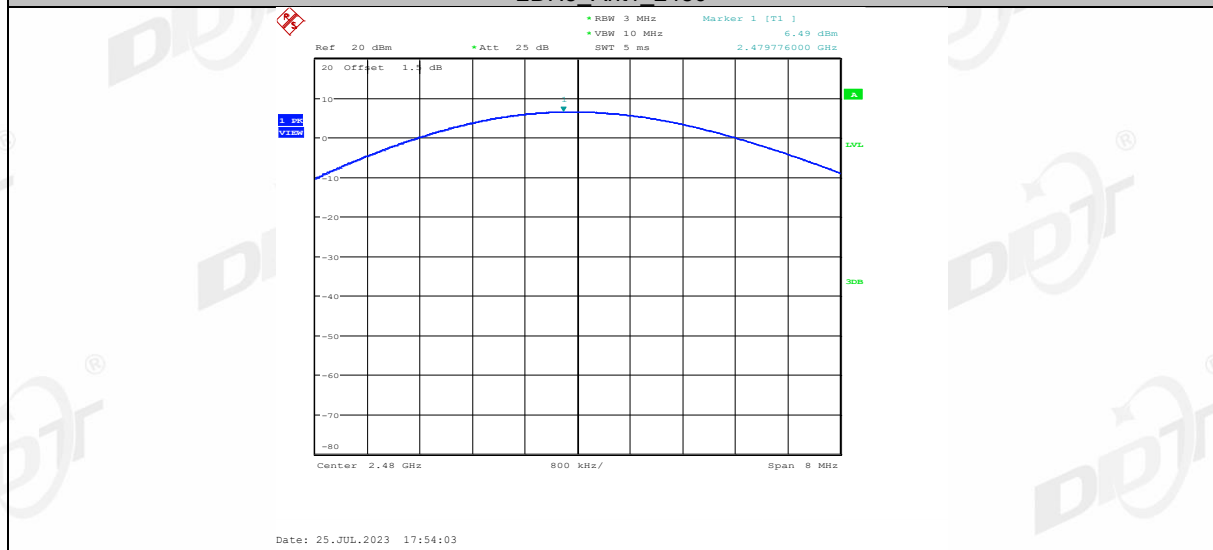




2DH5 Ant1 2441



2DH5 Ant1 2480

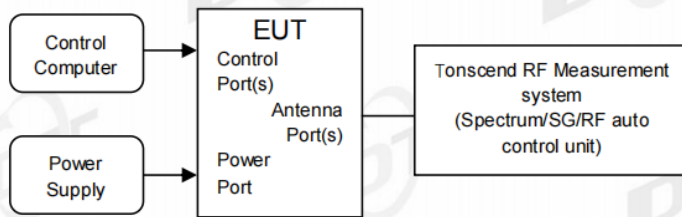


3DH5 Ant1 2402



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:	$VBW \geq RBW$.
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

Left side:

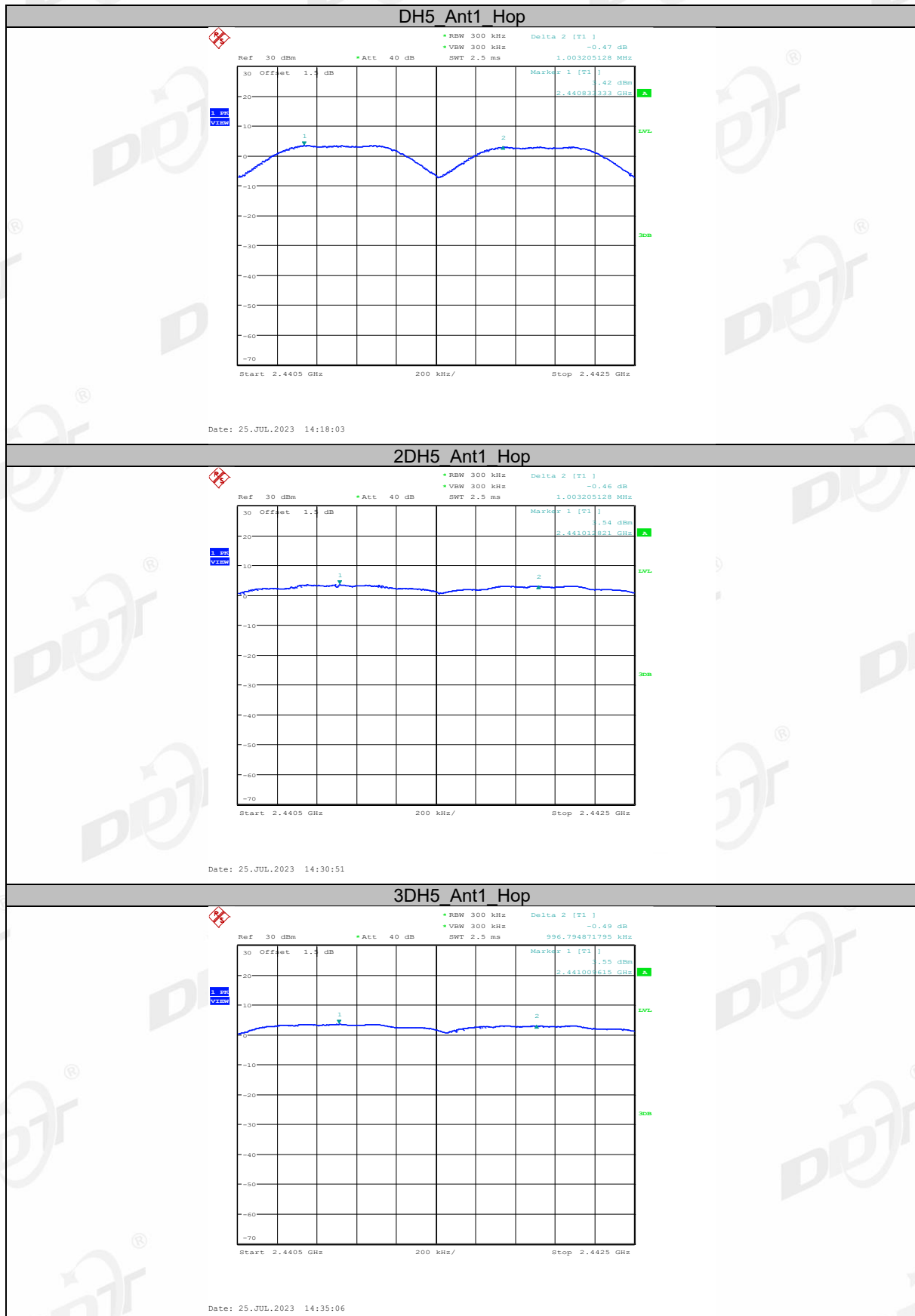
Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.003	≥0.640	PASS
2DH5	Ant1	Hop	1.003	≥0.887	PASS
3DH5	Ant1	Hop	0.997	≥0.867	PASS

Right side:

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.000	≥0.633	PASS
2DH5	Ant1	Hop	1.000	≥0.880	PASS
3DH5	Ant1	Hop	1.003	≥0.867	PASS

7.5. Test graphs

Left side:

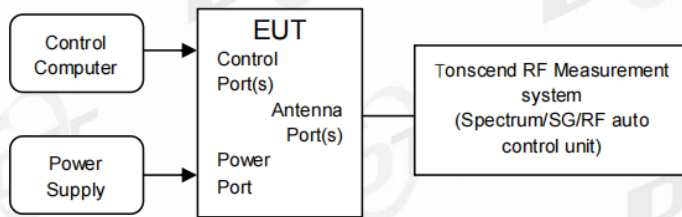


Right side:



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

Measure and record the results in the report.

- (5) The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$
- (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.

8.4. Test result

Left side:

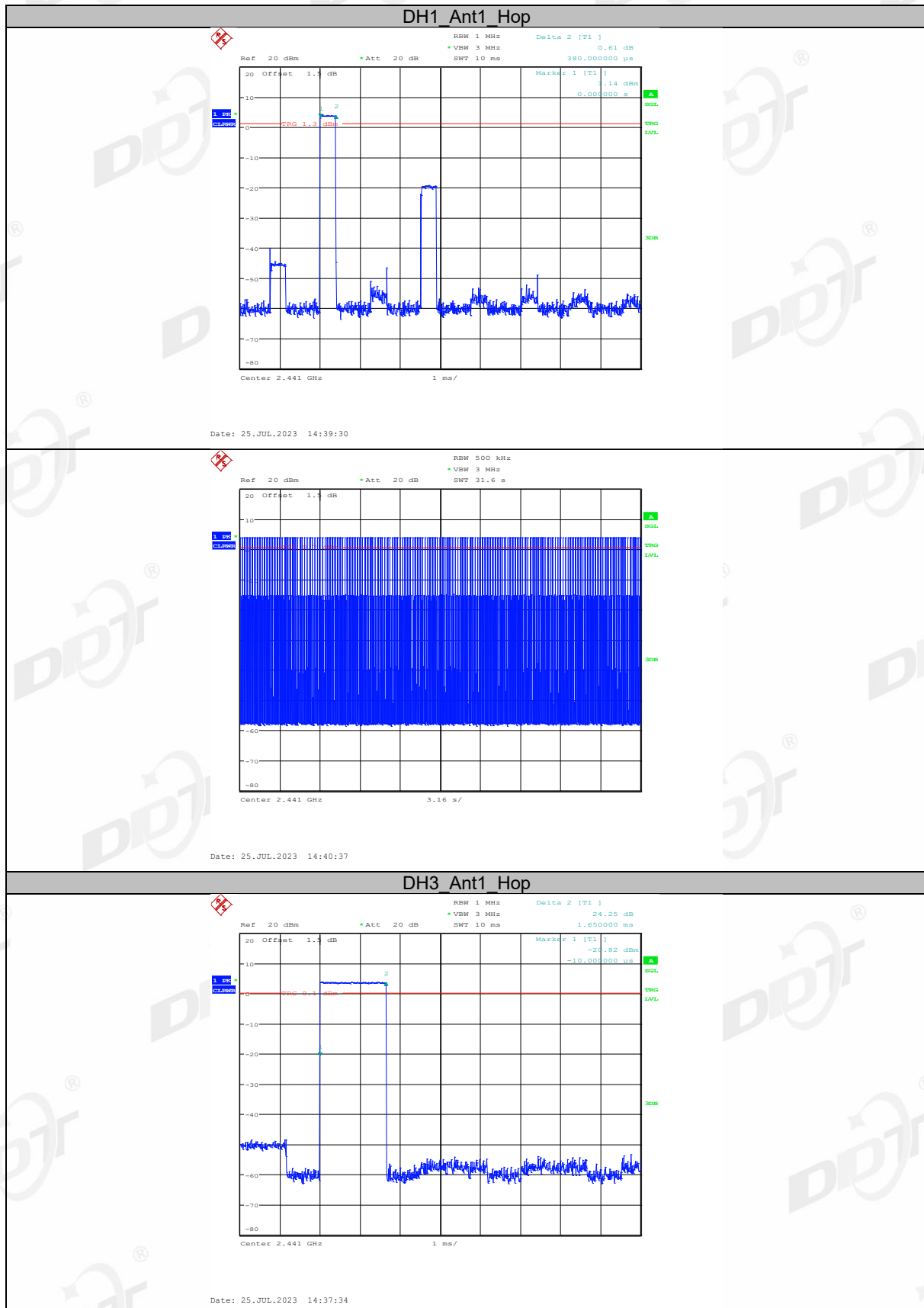
Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	313	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.880	105	0.302	≤0.4	PASS
2DH1	Ant1	Hop	0.400	316	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.650	158	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.900	104	0.302	≤0.4	PASS
3DH1	Ant1	Hop	0.400	314	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.635	165	0.270	≤0.4	PASS
3DH5	Ant1	Hop	2.900	99	0.287	≤0.4	PASS

Right side:

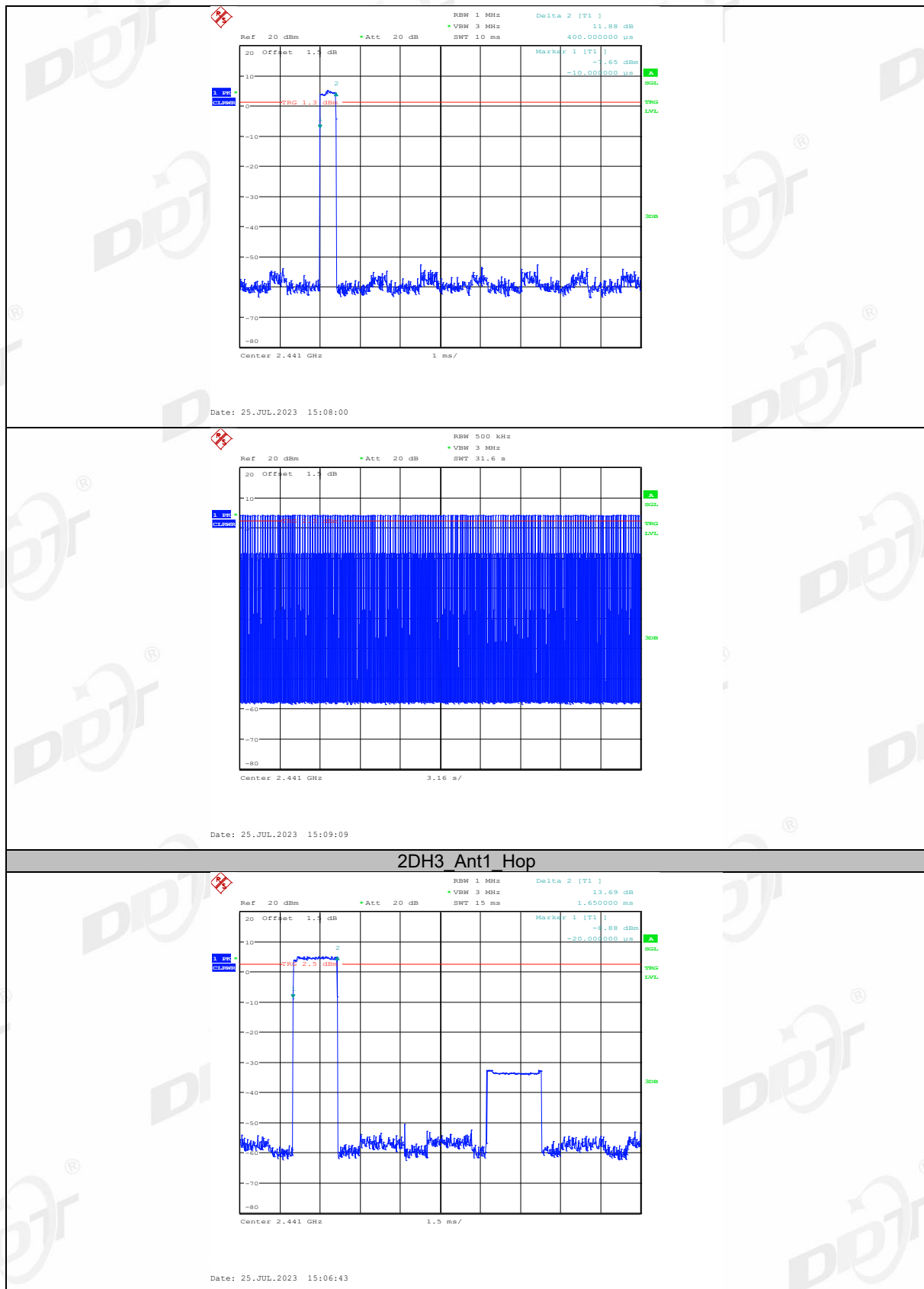
Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	321	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.900	96	0.278	≤0.4	PASS
2DH1	Ant1	Hop	0.400	314	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.660	155	0.257	≤0.4	PASS
2DH5	Ant1	Hop	2.900	117	0.339	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.635	158	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.900	114	0.331	≤0.4	PASS

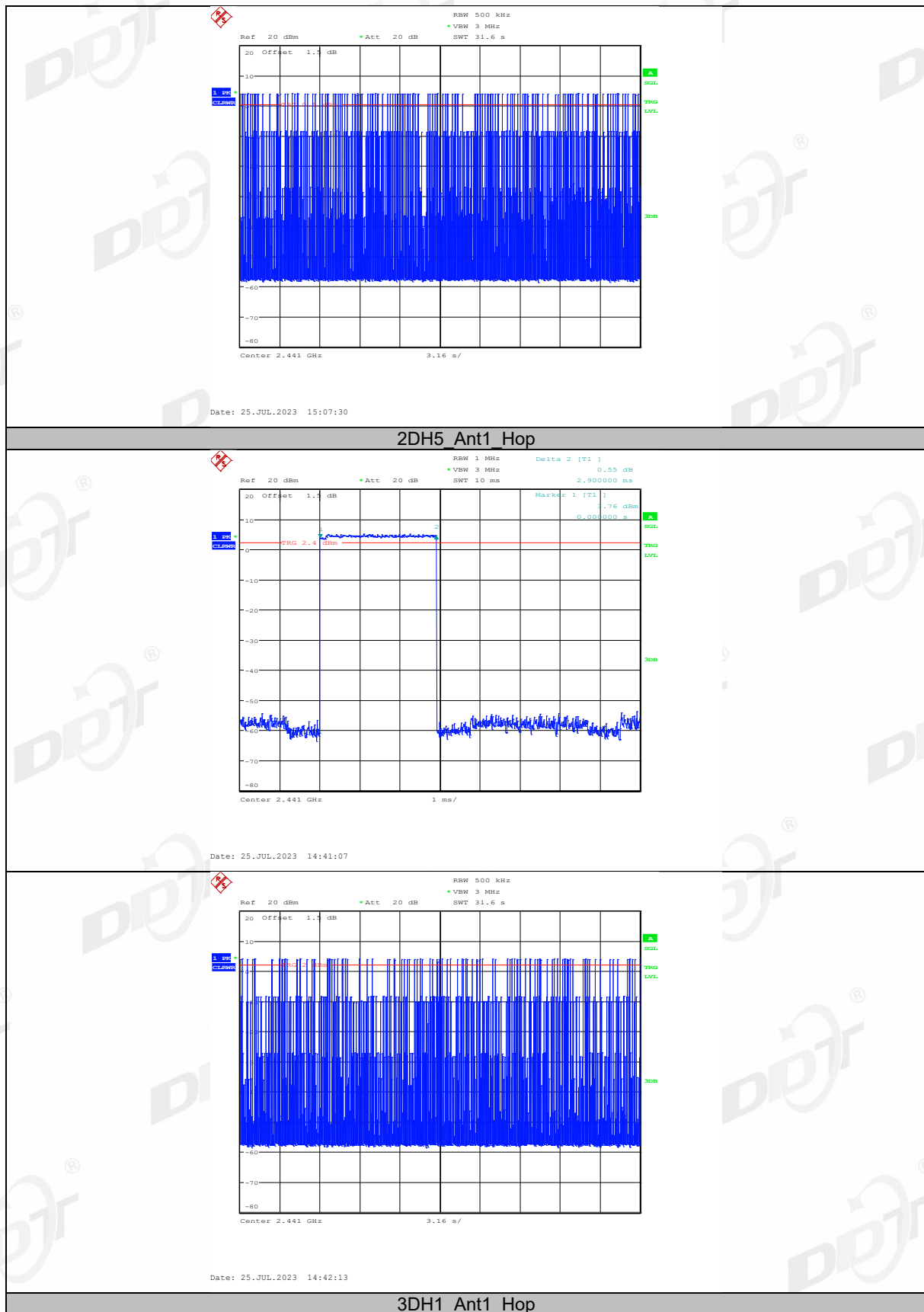
8.5. Test graphs

Left side:

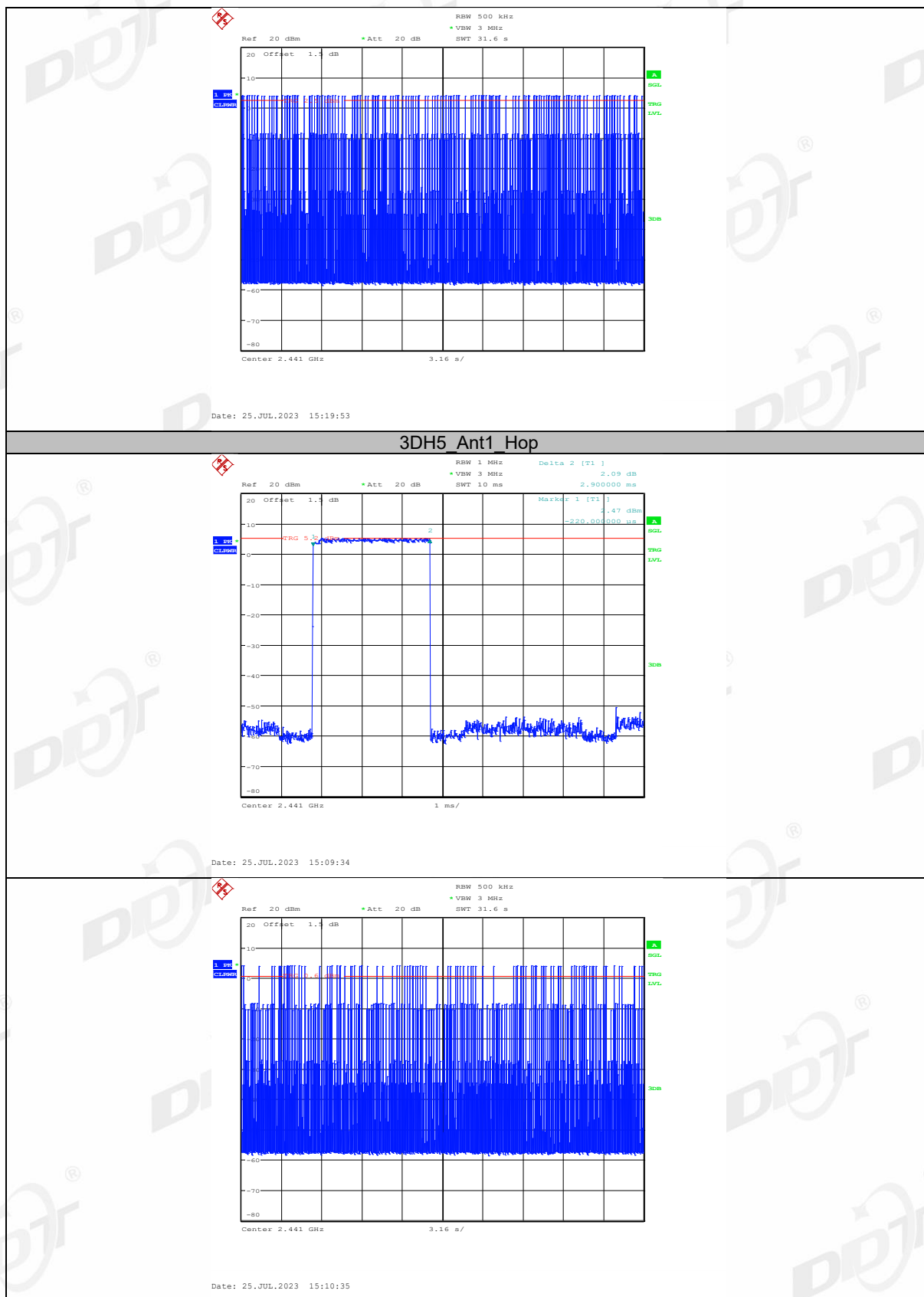












Right side:

