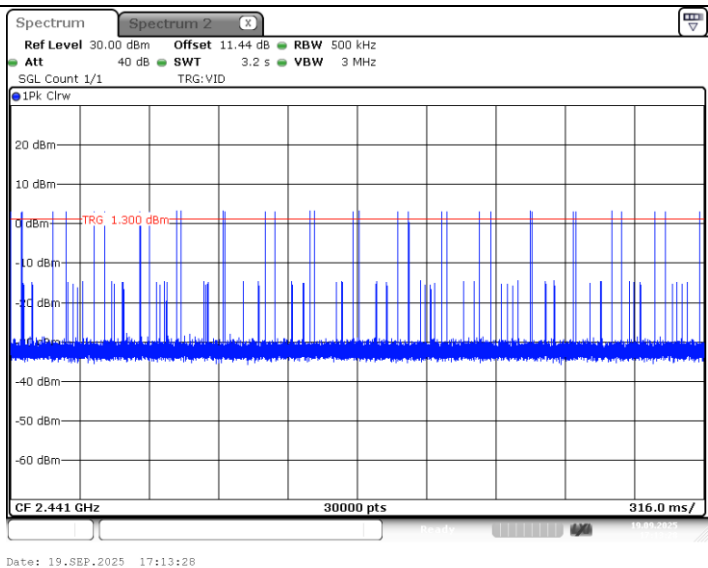
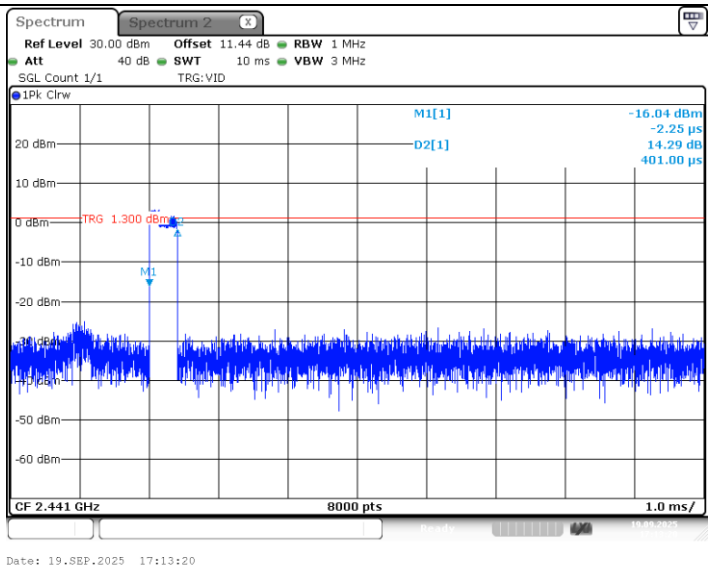
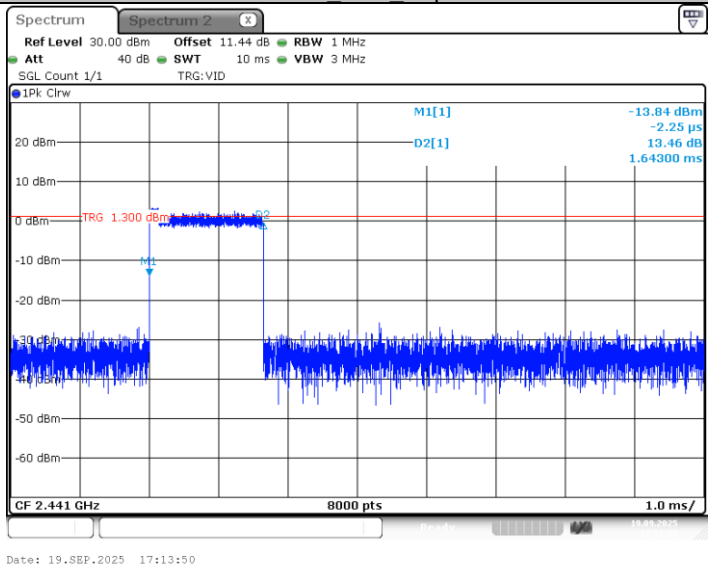




3DH3 Ant1 Hop

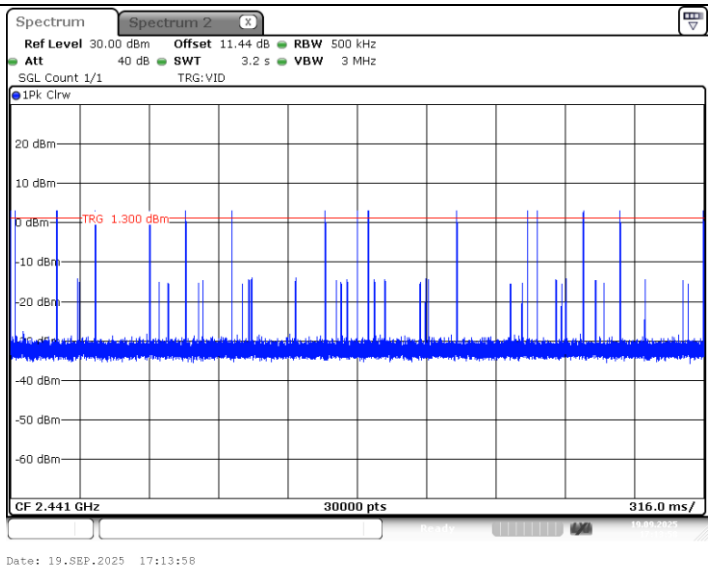


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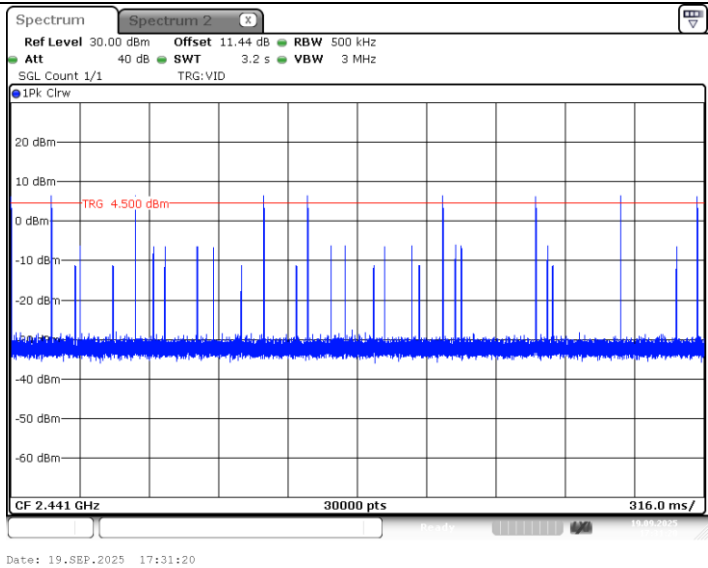
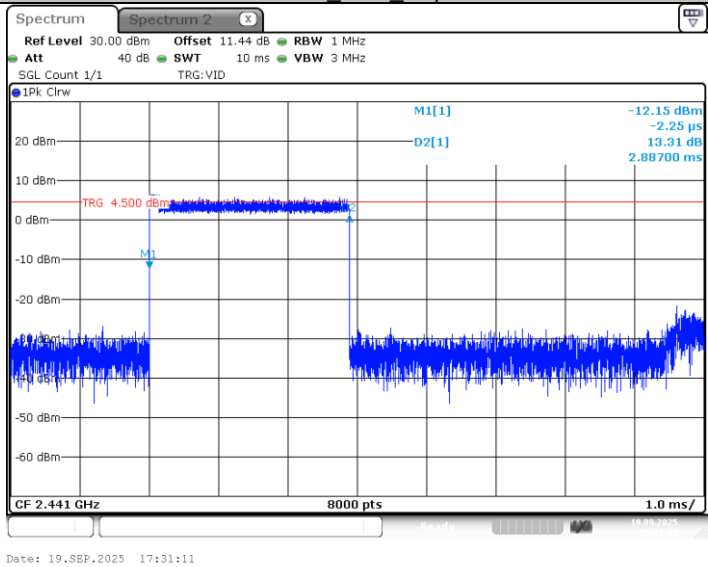
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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3DH5_Ant1_Hop



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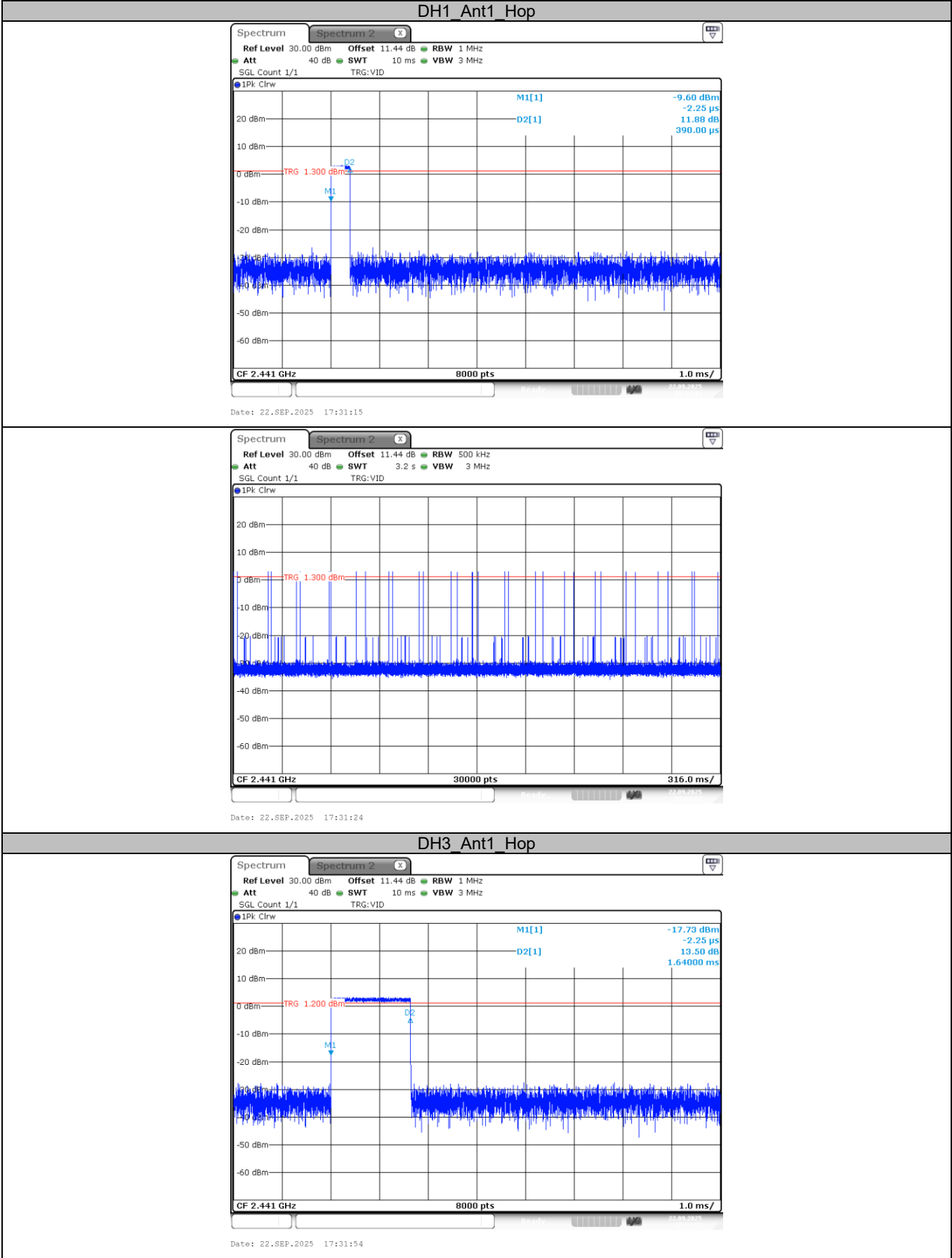
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhui Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

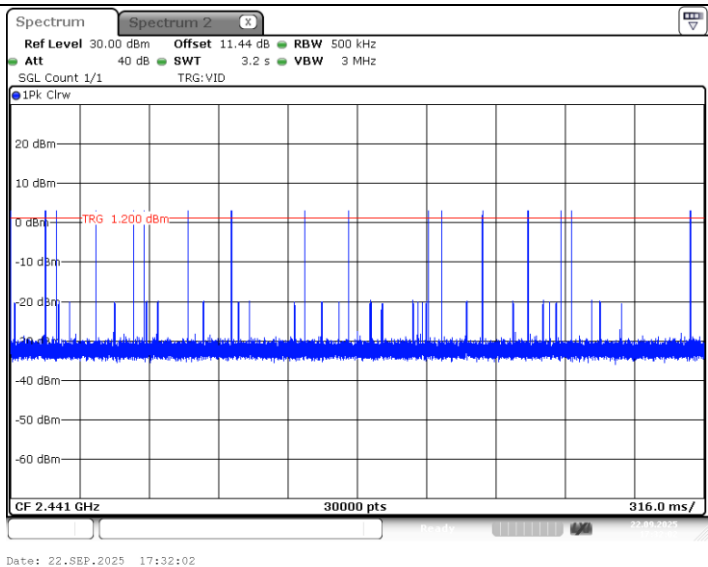
TRF No: CTC-TR-059_A2

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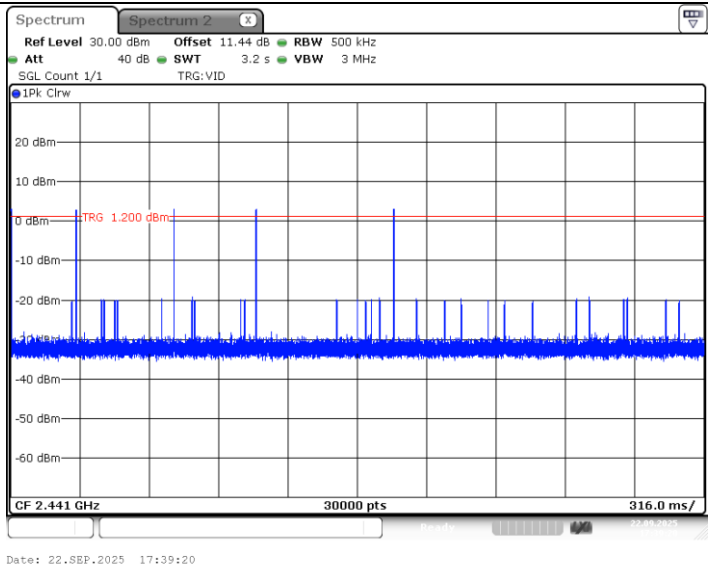
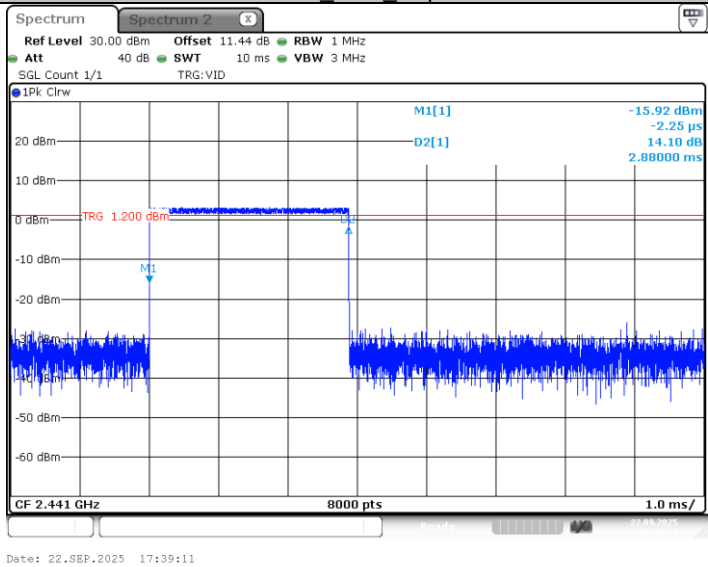


R Test plot as follows:





DH5_Ant1_Hop



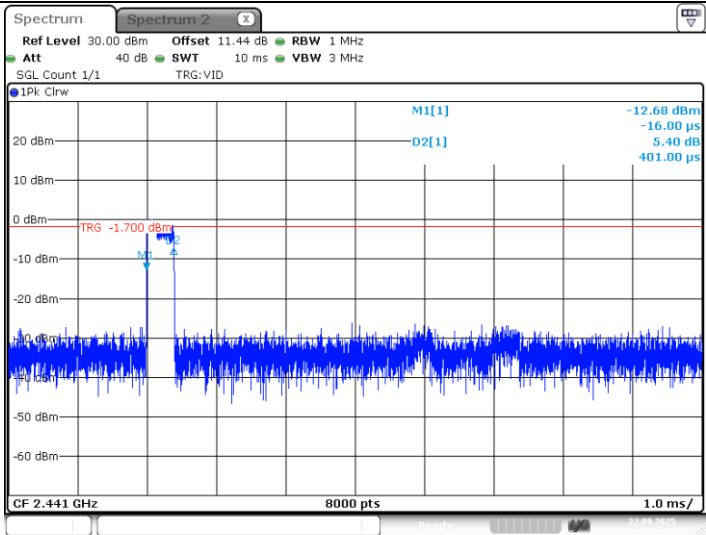
2DH1_Ant1_Hop

CTC Laboratories, Inc.

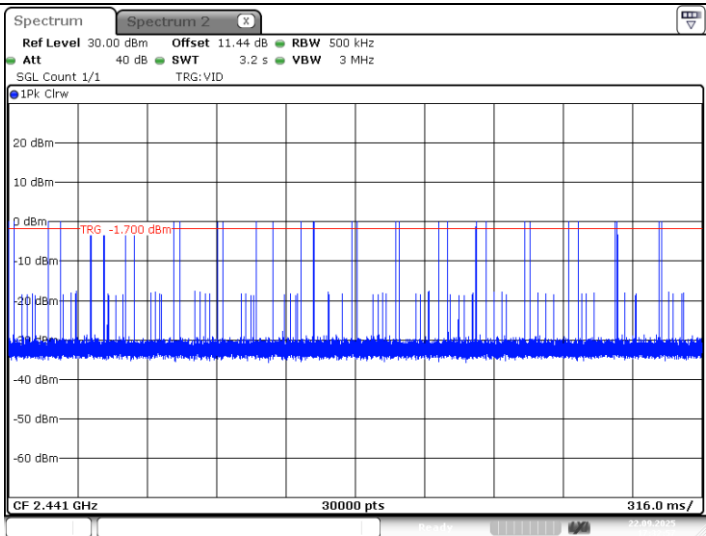
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luh Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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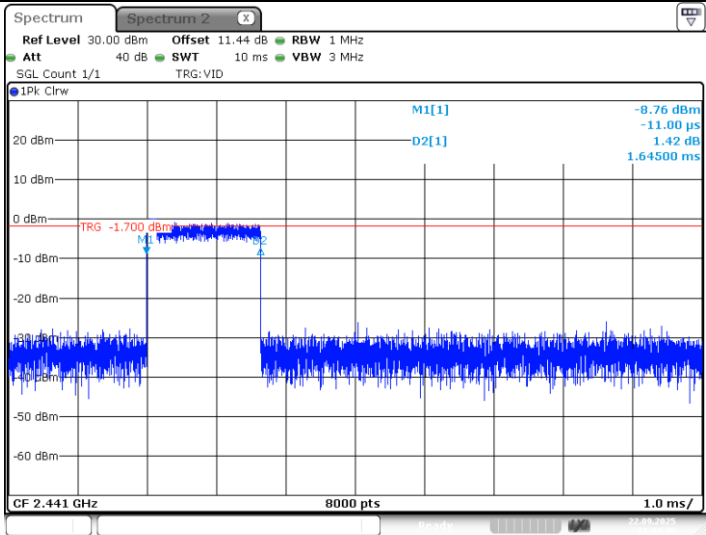


Date: 22.SEP.2025 17:32:46



Date: 22.SEP.2025 17:32:57

2DH3 Ant1 Hop



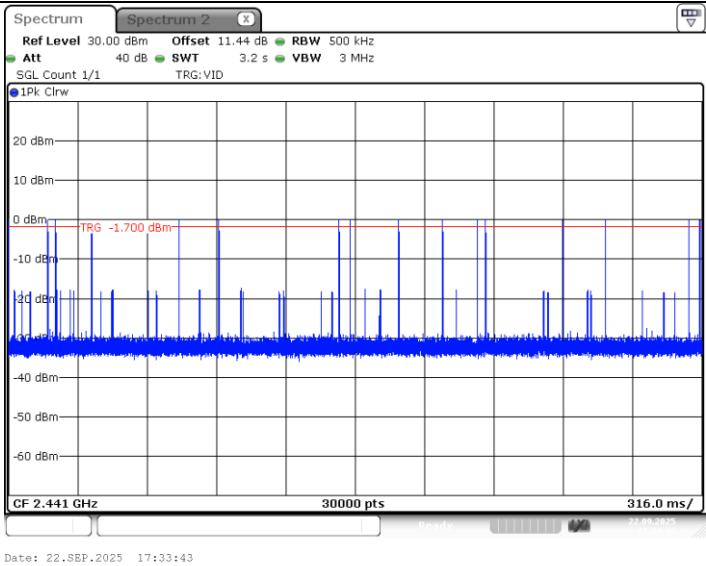
Date: 22.SEP.2025 17:33:35

CTC Laboratories, Inc.

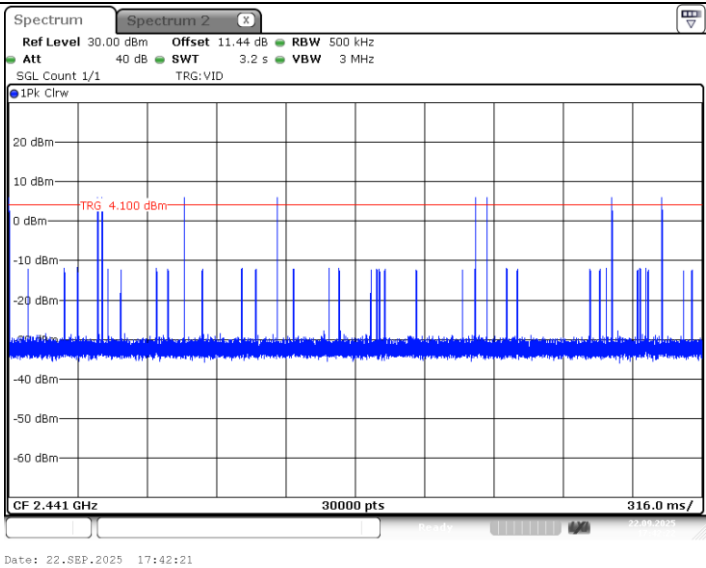
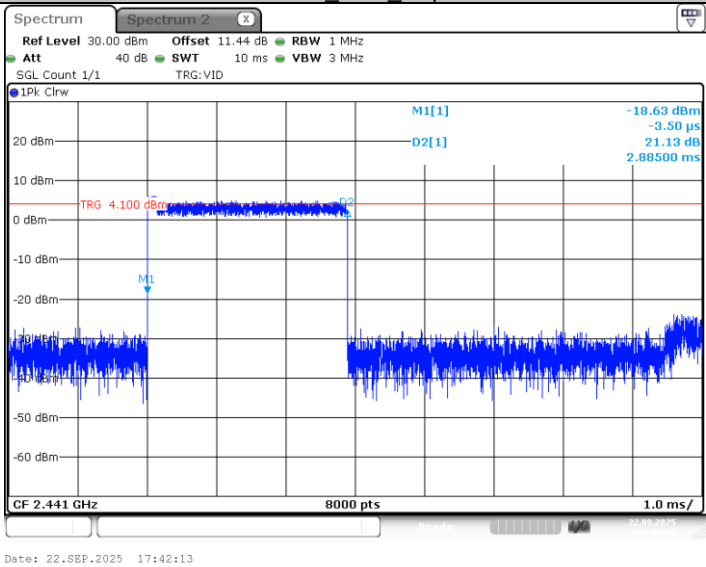
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TRF No: CTC-TR-059_A2

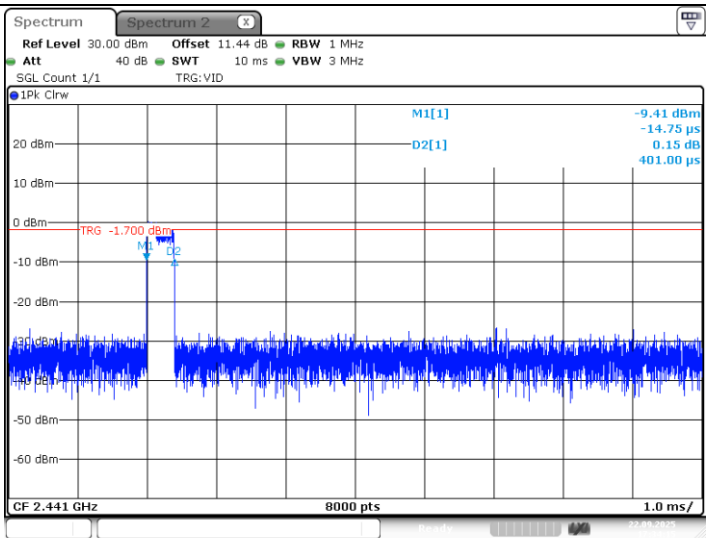
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cncaq.com



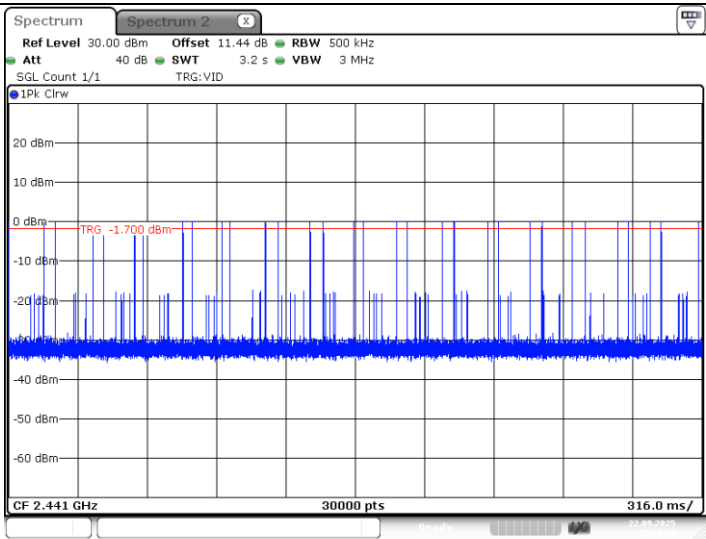
2DH5_Ant1_Hop



3DH1_Ant1_Hop

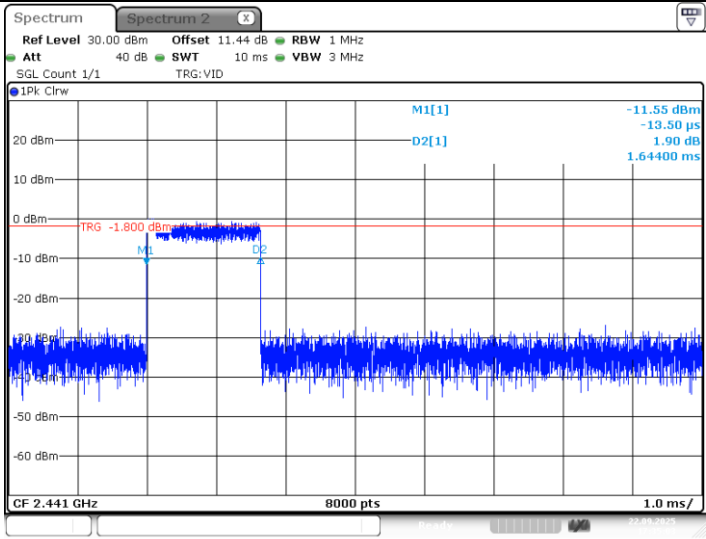


Date: 22.SEP.2025 17:34:14



Date: 22.SEP.2025 17:34:23

3DH3 Ant1 Hop



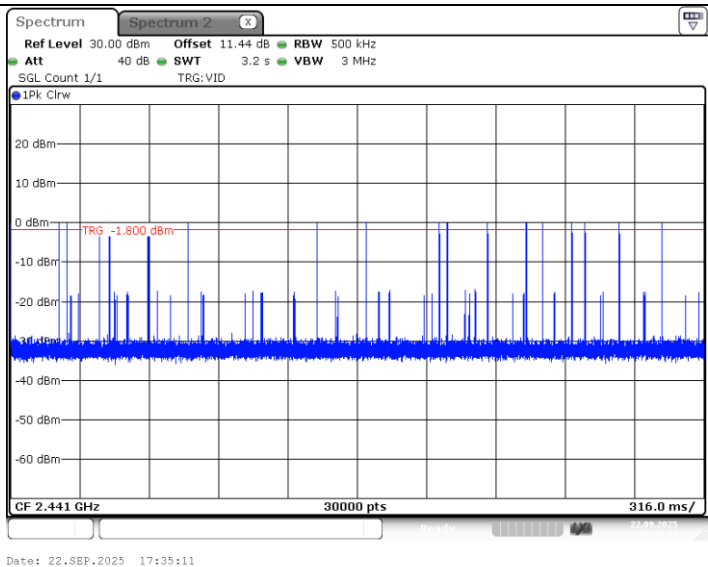
Date: 22.SEP.2025 17:35:02

CTC Laboratories, Inc.

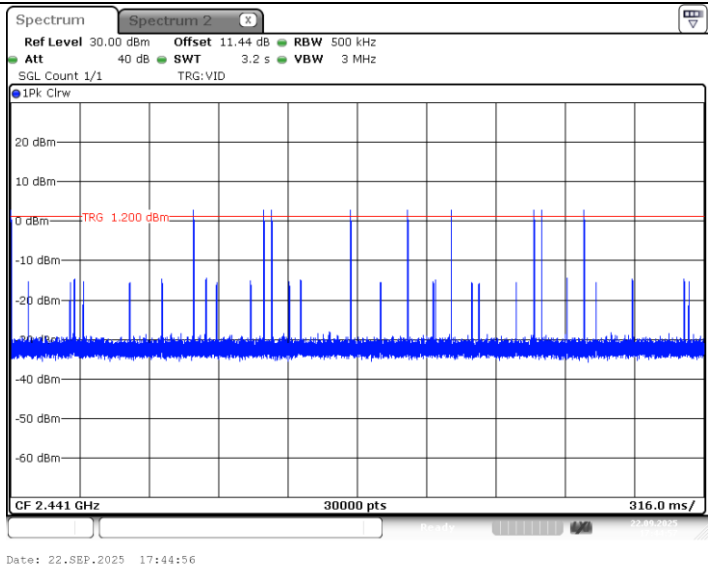
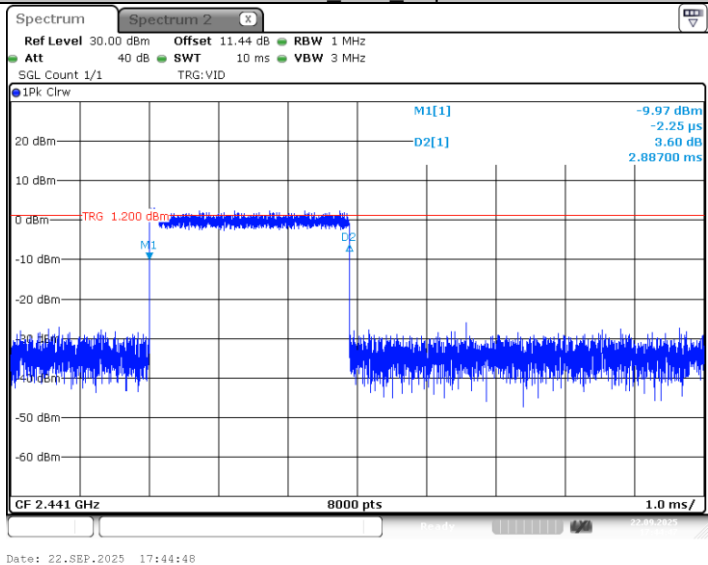
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luh Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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3DH5_Ant1_Hop



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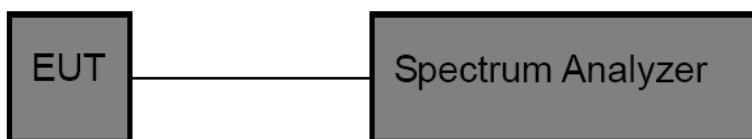
4.9. Peak Output Power

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(1)

Section	Test Item	Limit	Frequency Range (MHz)
FCC CFR 47 Part15.247 (b)(1)	Maximum Conducted Output Power	Hopping Channels $\geq$ 75, Power <1W(30dBm); Others <125mW(21dBm)	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. Spectrum Setting:
 - (1) Set RBW > 20dB Bandwidth.
 - (2) Set VBW $\geq$ RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.
 - (6) Span = Approximately five times the 20dB bandwidth, centered on a hopping channel.

Test Mode

Please refer to the clause 2.4.

L Test Result

Test Mode	Frequency (MHz)	Conducted Output Power (dBm)	FCC Limit (dBm)	Verdict
GFSK	2402	3.97	$\leq$ 30	Pass
	2441	3.19	$\leq$ 30	Pass
	2480	2.76	$\leq$ 30	Pass
$\pi/4$ -DQPSK	2402	7.04	$\leq$ 30	Pass
	2441	6.37	$\leq$ 30	Pass
	2480	5.66	$\leq$ 30	Pass
8-DPSK	2402	3.71	$\leq$ 30	Pass
	2441	3.21	$\leq$ 30	Pass
	2480	2.56	$\leq$ 30	Pass

**R Test Result**

Test Mode	Frequency (MHz)	Conducted Output Power (dBm)	FCC Limit (dBm)	Verdict
GFSK	2402	3.66	≤30	Pass
	2441	3.21	≤30	Pass
	2480	2.69	≤30	Pass
$\pi/4$ -DQPSK	2402	6.60	≤30	Pass
	2441	5.85	≤30	Pass
	2480	5.40	≤30	Pass
8-DPSK	2402	3.50	≤30	Pass
	2441	2.72	≤30	Pass
	2480	2.34	≤30	Pass

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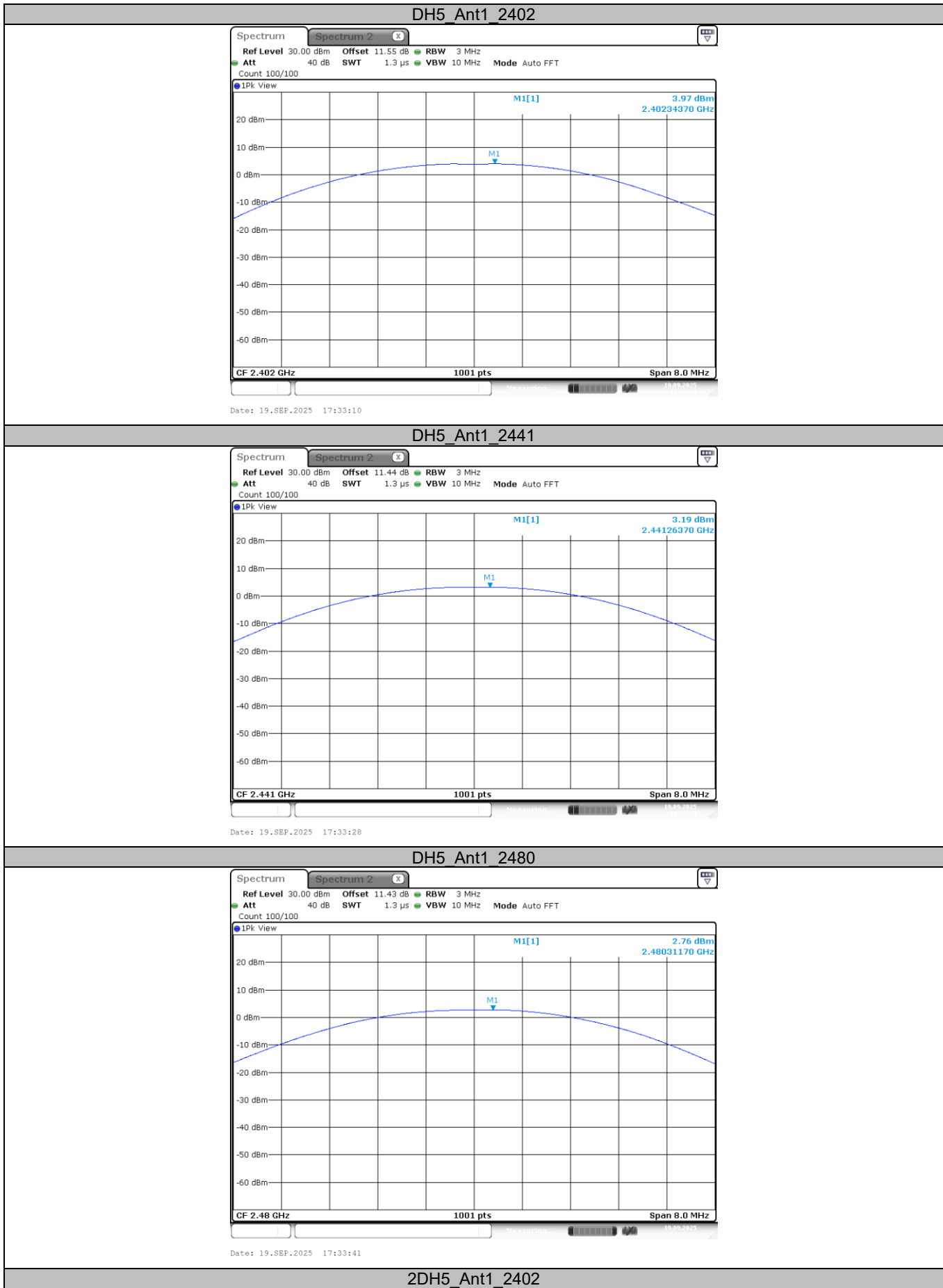
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict,
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L Test plot as follows:

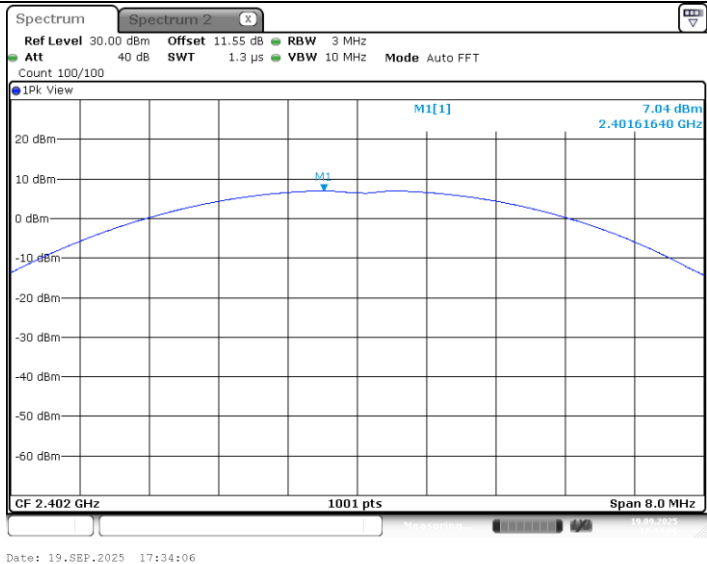


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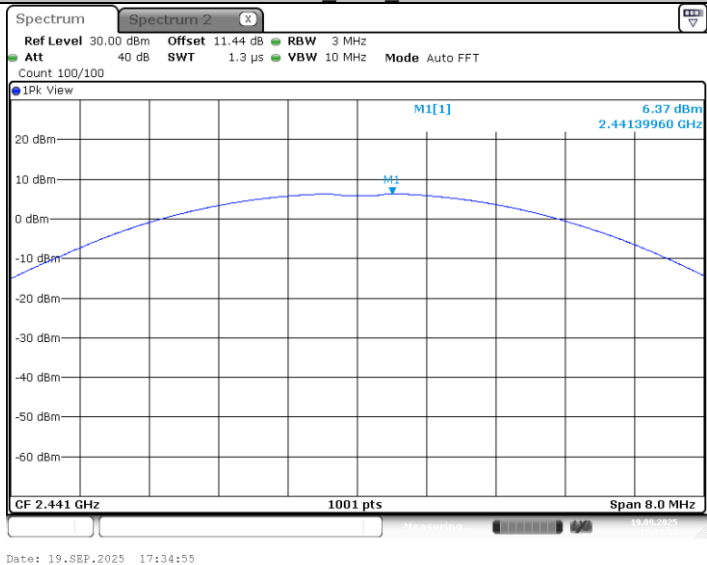
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-059_A2

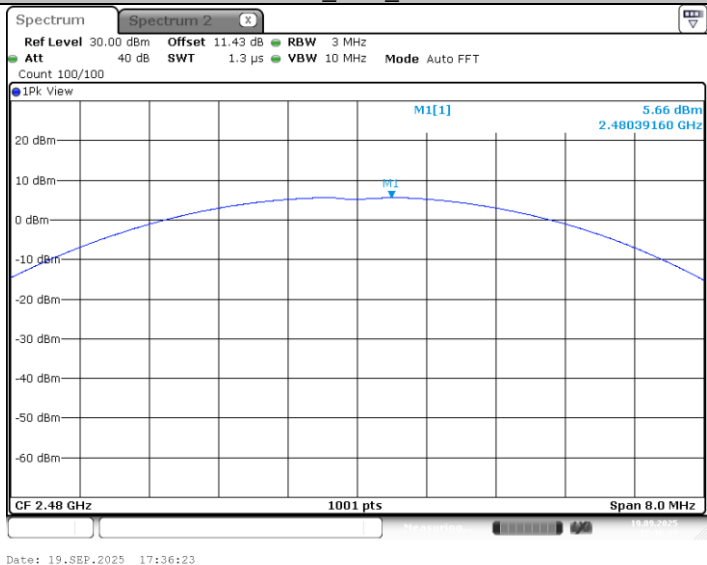
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cncaq.com



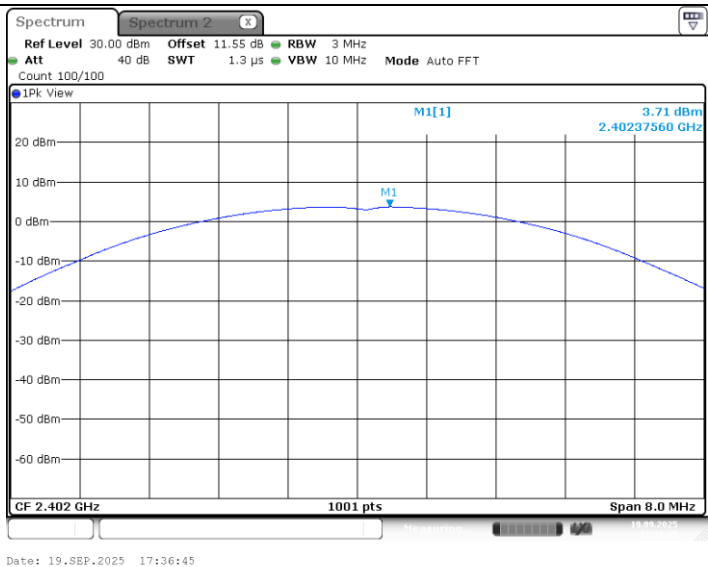
2DH5_Ant1_2441



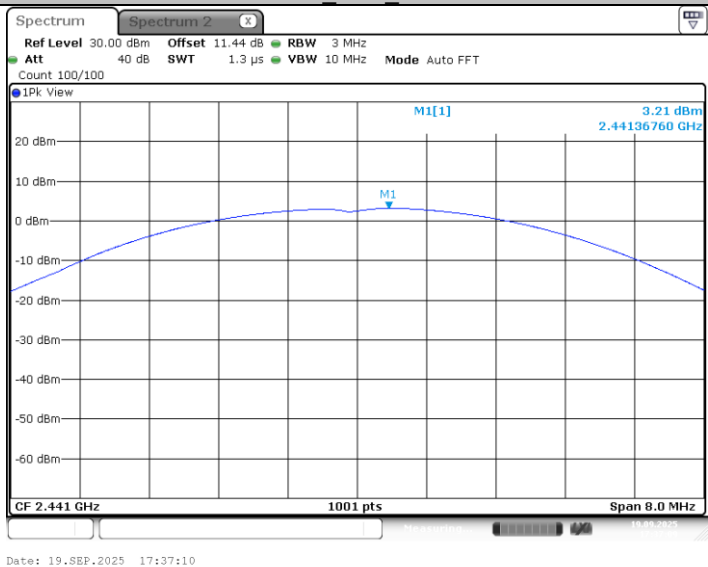
2DH5_Ant1_2480



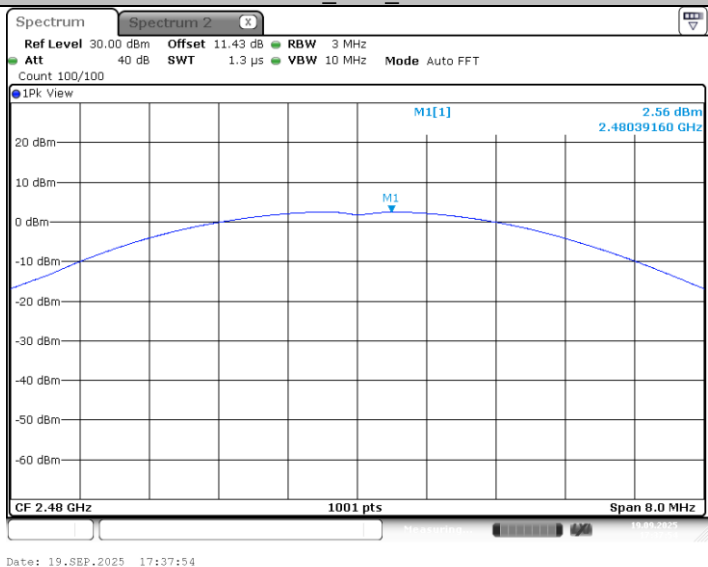
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



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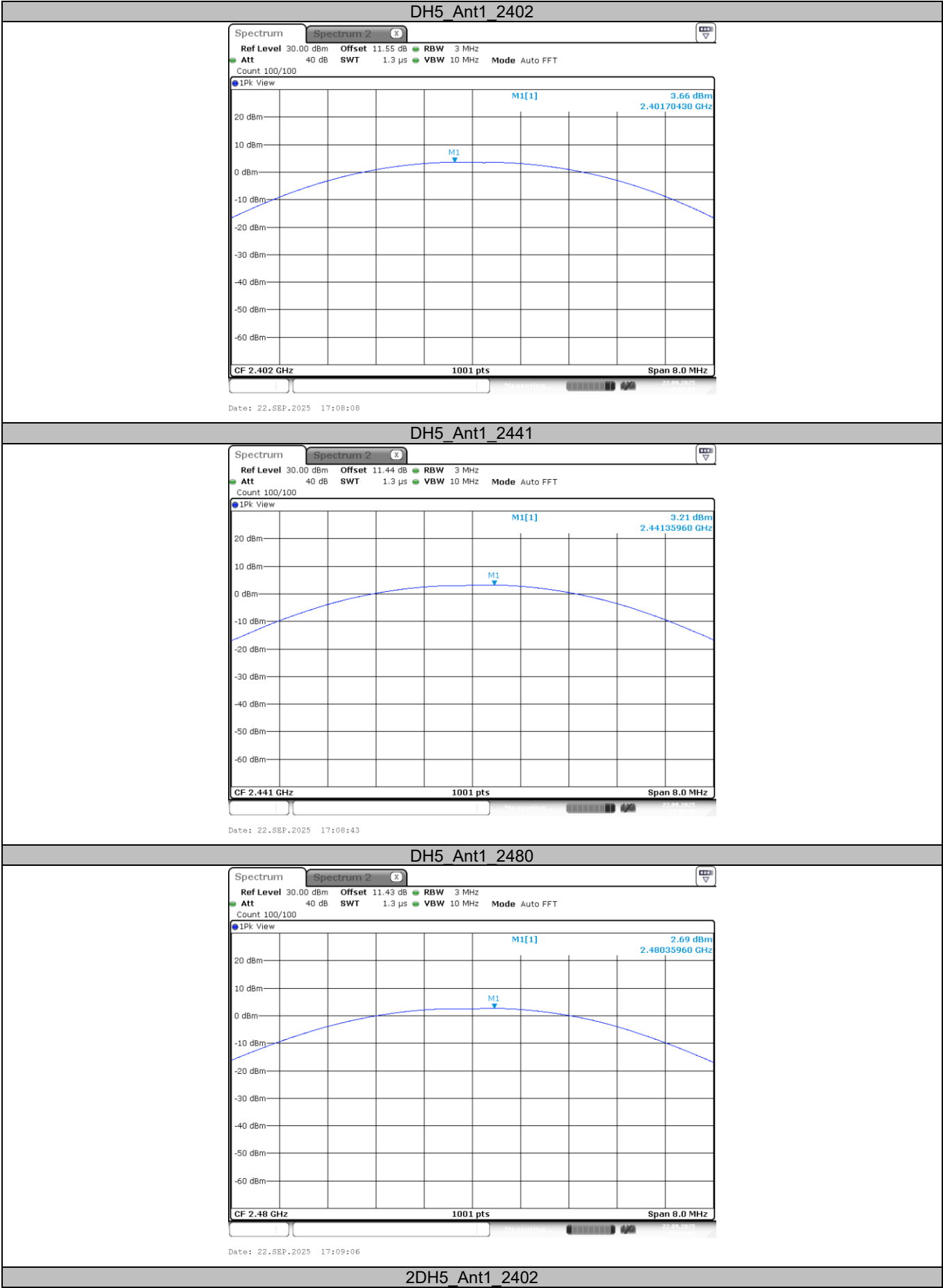
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TRF No: CTC-TR-059_A2

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R Test plot as follows:

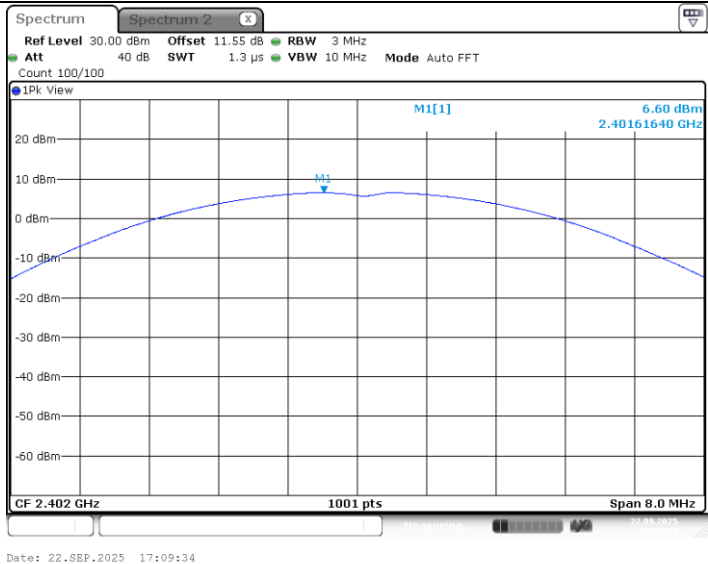


CTC Laboratories, Inc.

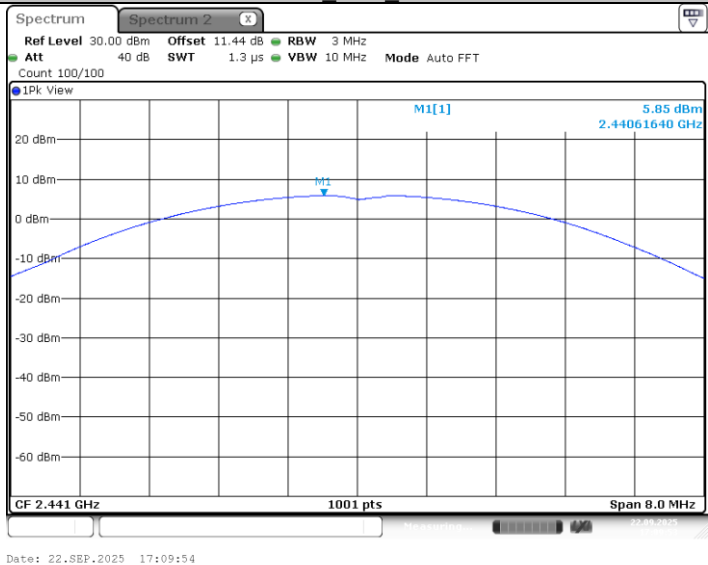
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TRF No: CTC-TR-059_A2

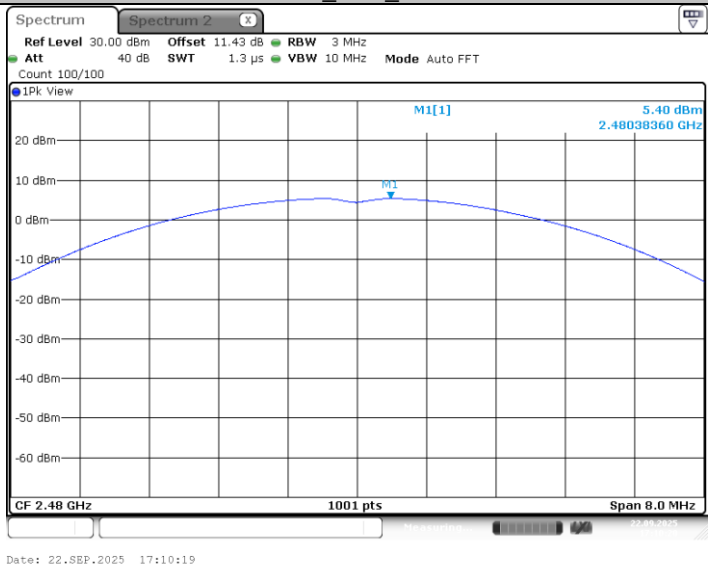
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cncaq.com



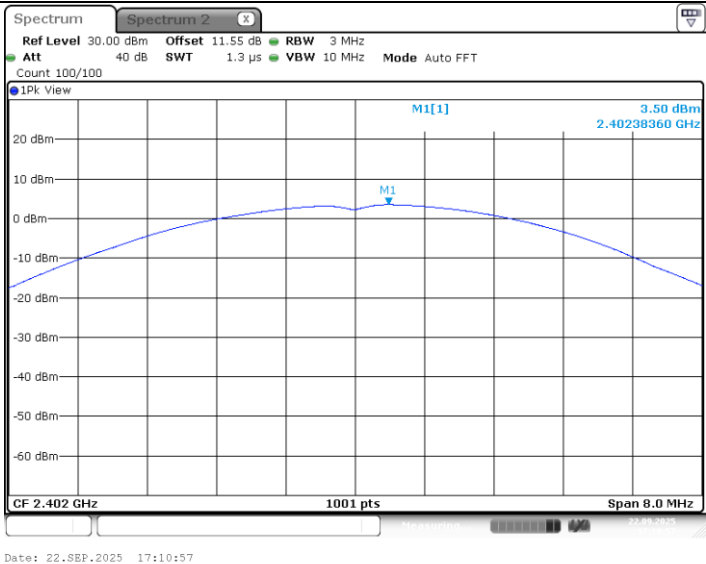
2DH5_Ant1_2441



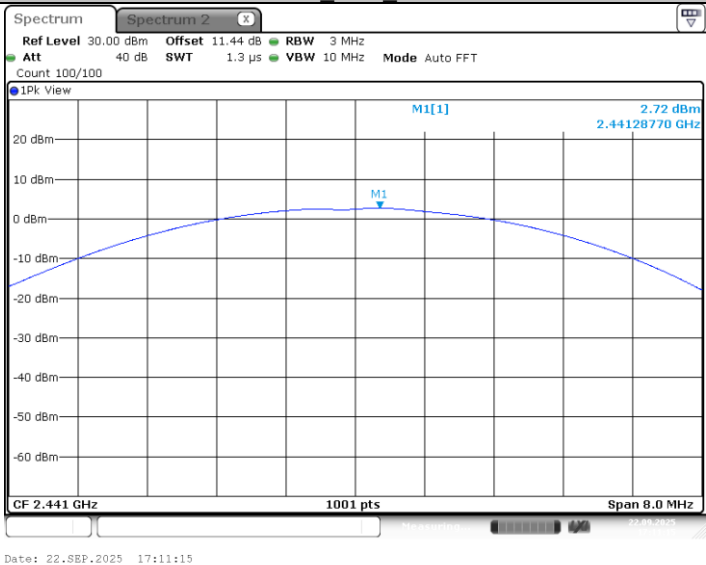
2DH5_Ant1_2480



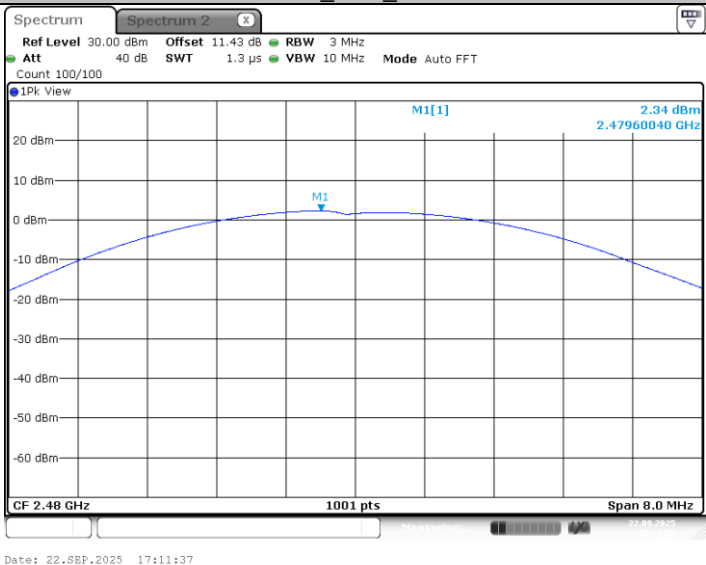
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



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TRF No: CTC-TR-059_A2

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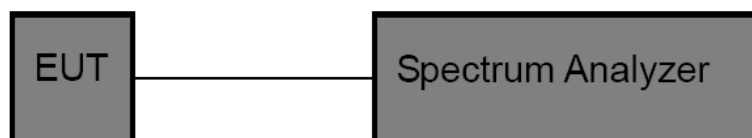


4.10. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
Detector: Peak.
Sweep time: Auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

L Test Result

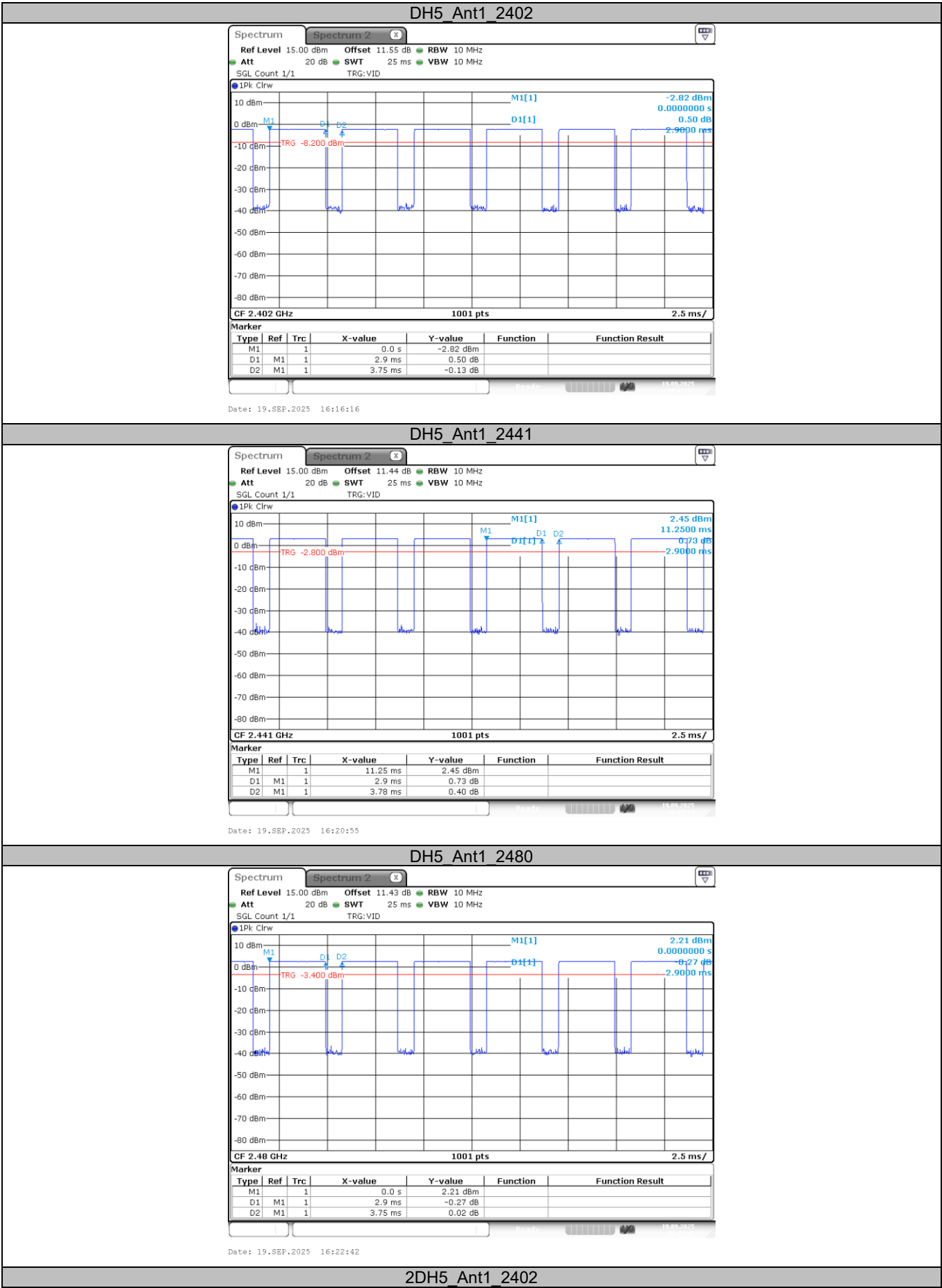
Test Mode	Frequency (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
GFSK	2402	2.90	3.75	77.33	0.34	1
	2441	2.90	3.78	76.72	0.34	1
	2480	2.90	3.75	77.33	0.34	1
$\pi/4$ -DQPSK	2402	2.90	3.75	77.33	0.34	1
	2441	2.90	3.75	77.33	0.34	1
	2480	2.90	3.75	77.33	0.34	1
8-DPSK	2402	2.90	3.75	77.33	0.34	1
	2441	2.90	3.75	77.33	0.34	1
	2480	2.90	3.75	77.33	0.34	1

**R Test Result**

Test Mode	Frequency (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
GFSK	2402	2.88	3.75	76.80	0.35	1
	2441	2.88	3.75	76.80	0.35	1
	2480	2.88	3.75	76.80	0.35	1
$\pi/4$ -DQPSK	2402	2.88	3.75	76.80	0.35	1
	2441	2.88	3.75	76.80	0.35	1
	2480	2.91	3.75	77.60	0.34	1
8-DPSK	2402	2.91	3.75	77.60	0.34	1
	2441	2.91	3.78	76.98	0.34	1
	2480	2.91	3.75	77.60	0.34	1



L Test plot as follows:

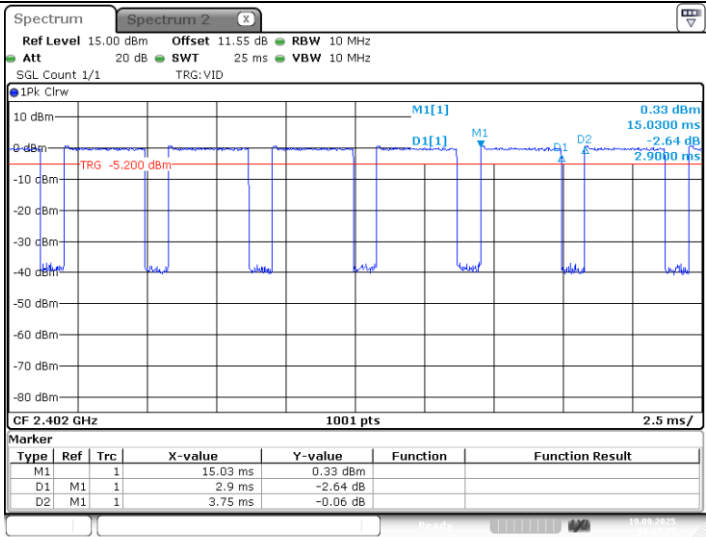


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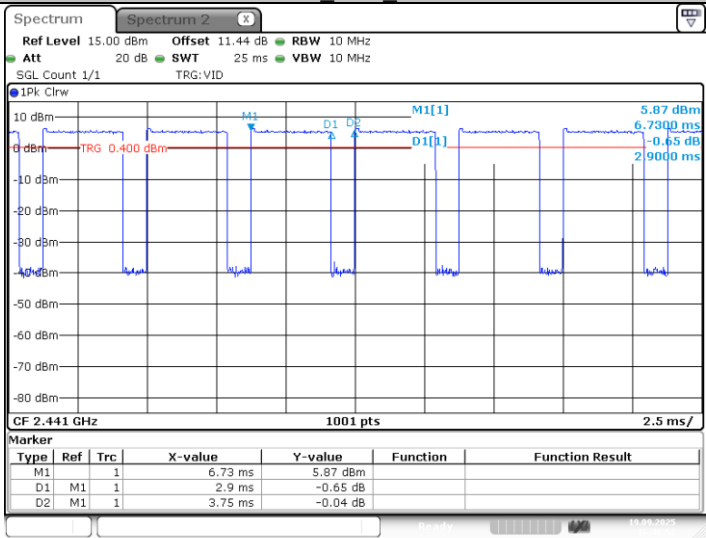
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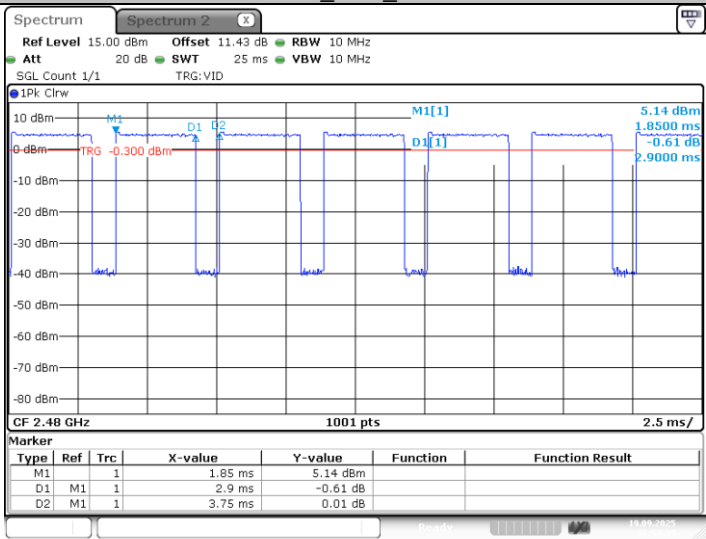
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2DH5_Ant1_2441



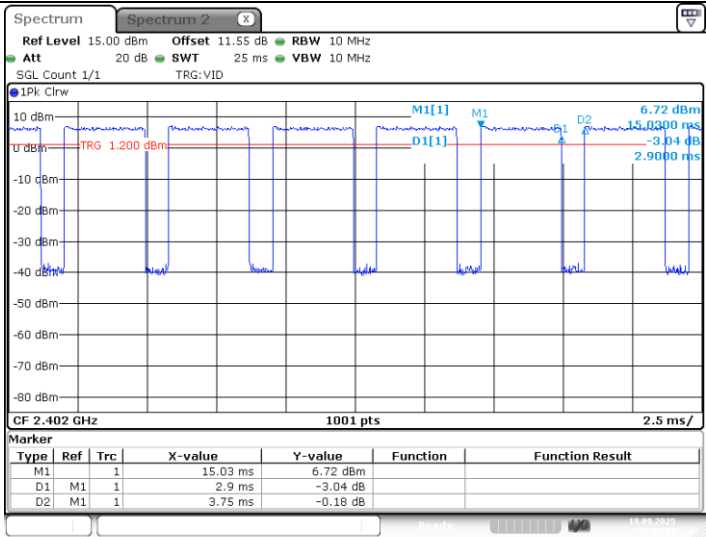
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2DH5_Ant1_2480



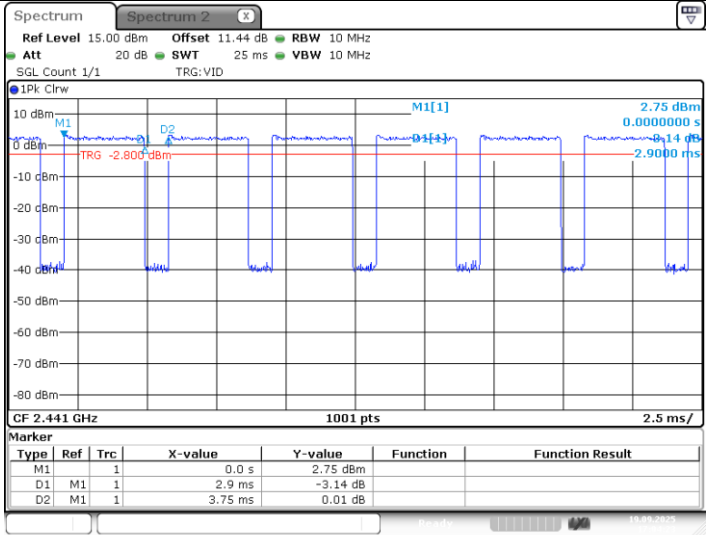
Date: 19.SEP.2025 16:57:35

3DH5_Ant1_2402



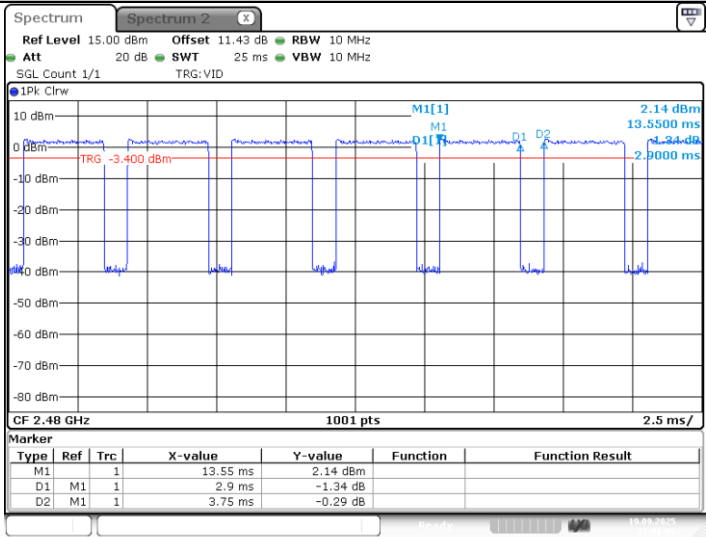
Date: 19.SEP.2025 17:00:01

3DH5_Ant1_2441



Date: 19.SEP.2025 17:04:23

3DH5_Ant1_2480



Date: 19.SEP.2025 17:06:05

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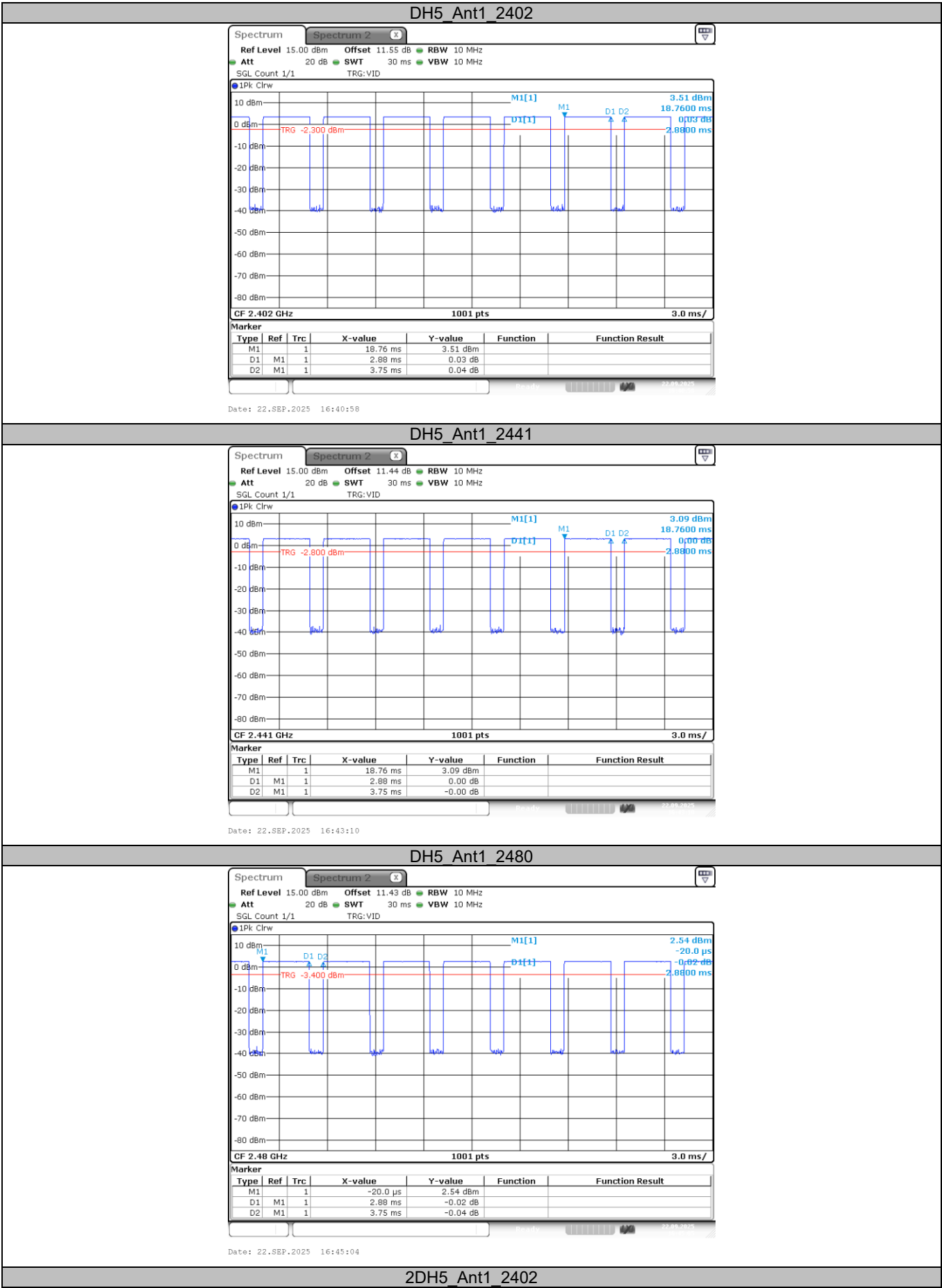
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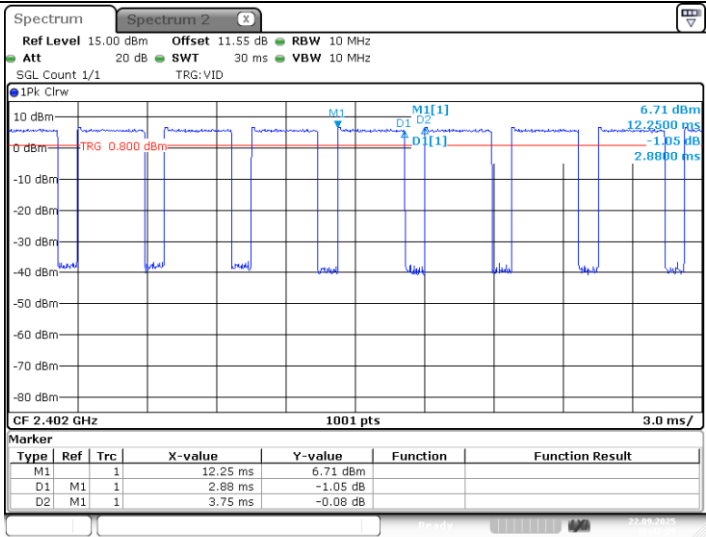
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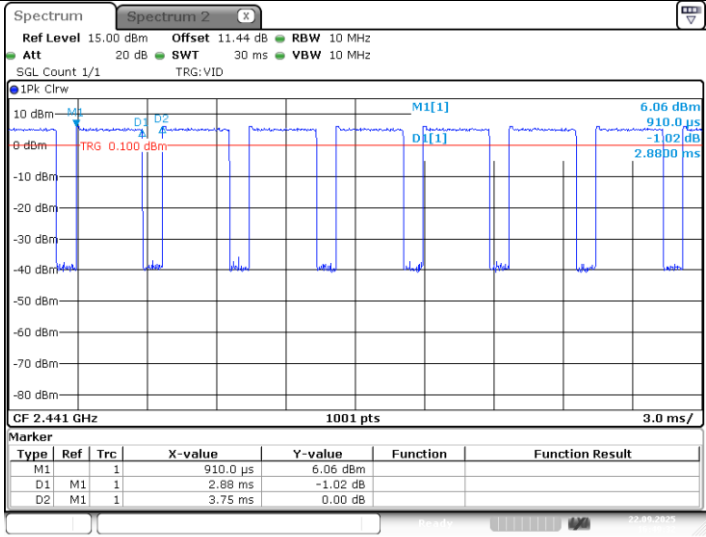
R Test plot as follows:





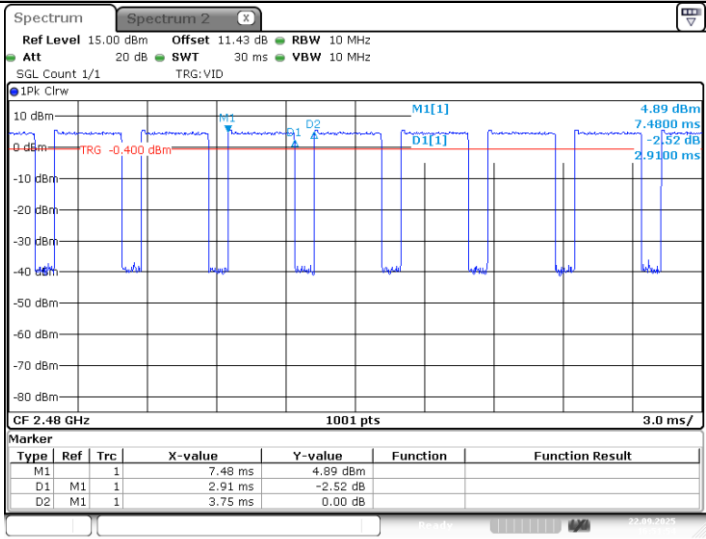
Date: 22.SEP.2025 16:47:28

2DH5_Ant1_2441



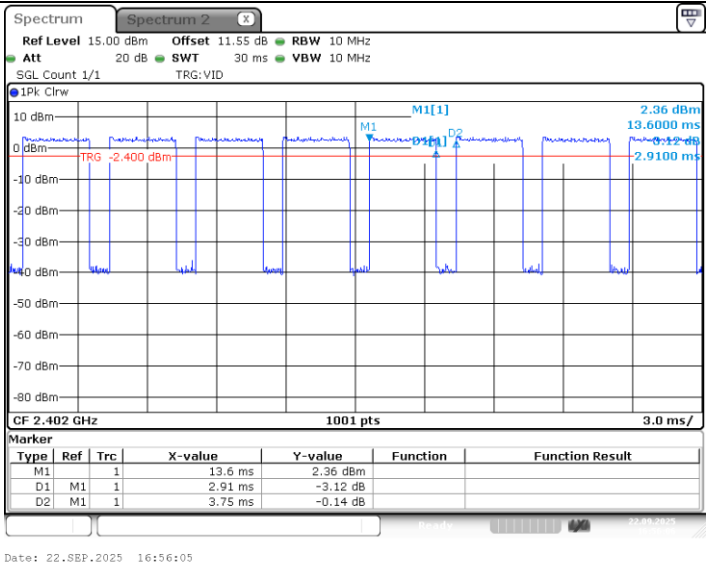
Date: 22.SEP.2025 16:49:32

2DH5_Ant1_2480

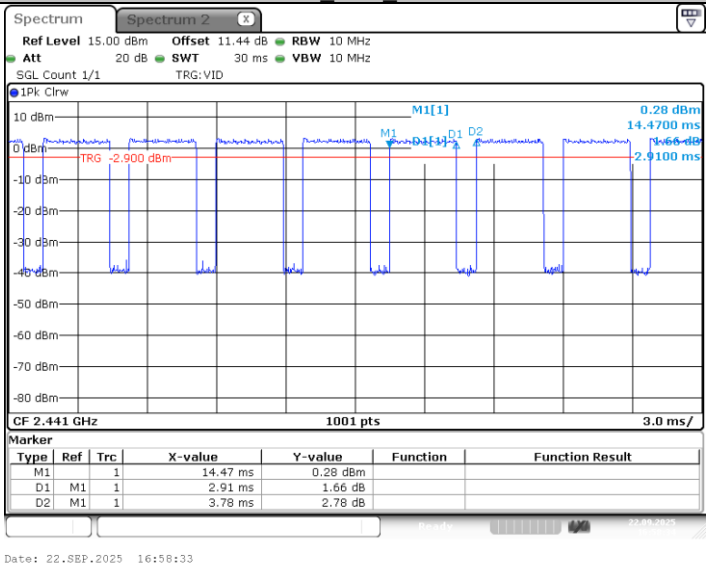


Date: 22.SEP.2025 16:51:54

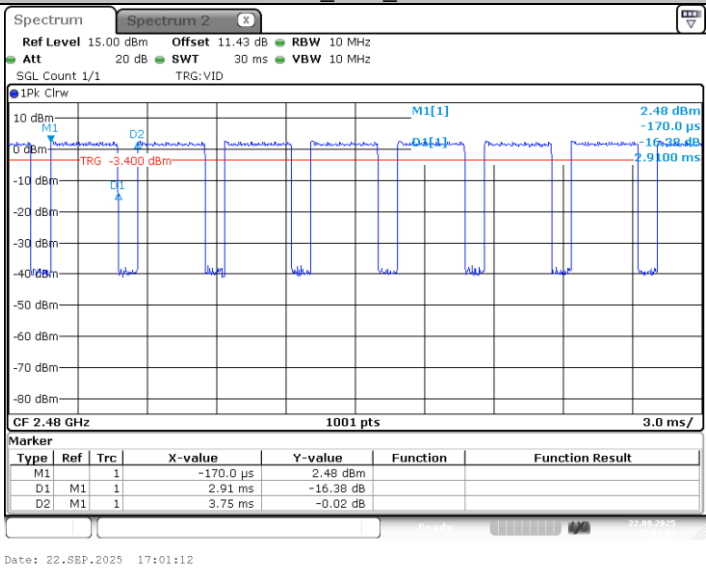
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



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TRF No: CTC-TR-059_A2

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4.11. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i)

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

The directional gain of the antenna is less than 6dBi, please refer to the EUT internal photographs antenna photo.

*****THE END OF REPORT*****