

TEST REPORT

Applicant Name: Shenzhen Compoka Electronic Technology Co., Ltd
Address: 4/5 F, Building B, Yi Shida Industrial Park, Xintang Village,
Guanlan Town, Shenzhen China
Report Number: 2501Z86925E-RF-00A1
FCC ID: 2AA7X-TERRY

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type: Wireless Headphones
Model No.: TERRY
Multiple Model(s) No.: N/A
Trade Mark: N/A
Date Received: 2025/11/24
Issue Date: 2025/12/24

Test Result:	Pass▲
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▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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Allen Bai
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Approved By:

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Nancy Wang
RF Supervisor

Note: The information marked * is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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TABLE OF CONTENTS

DOCUMENT REVISION HISTORY	3
GENERAL INFORMATION	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	4
OBJECTIVE	4
TEST METHODOLOGY.....	4
MEASUREMENT UNCERTAINTY	5
TEST FACILITY	5
SYSTEM TEST CONFIGURATION.....	6
DESCRIPTION OF TEST CONFIGURATION	6
EUT EXERCISE SOFTWARE	6
SPECIAL ACCESSORIES	6
EQUIPMENT MODIFICATIONS	6
SUPPORT EQUIPMENT LIST AND DETAILS	6
EXTERNAL I/O CABLE.....	7
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	8
TEST EQUIPMENT LIST	9
FCC§15.247 (I), §1.1307 (B) (1) & §2.1093 - RF EXPOSURE.....	11
APPLICABLE STANDARD	11
MEASUREMENT RESULT	11
FCC §15.203 - ANTENNA REQUIREMENT.....	12
APPLICABLE STANDARD	12
ANTENNA CONNECTOR CONSTRUCTION	12
FCC §15.205, §15.209 & §15.247(D) - RADIATED EMISSIONS.....	13
APPLICABLE STANDARD	13
EUT SETUP	13
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	14
TEST PROCEDURE.....	15
FACTOR & OVER LIMIT/MARGIN CALCULATION	15
TEST DATA.....	15
FCC §15.247(B) (1) - PEAK OUTPUT POWER MEASUREMENT	37
APPLICABLE STANDARD	37
TEST PROCEDURE.....	37
TEST DATA.....	38
EUT PHOTOGRAPHS	40
TEST SETUP PHOTOGRAPHS	41

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2501Z86925E-RF-00A1	Original Report	2025/12/24

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Wireless Headphones
Tested Model	TERRY
Multiple Model(s)	N/A
Frequency Range	Bluetooth: 2402~2480MHz
Transmit Peak Power	0.20dBm
Modulation Technique	GFSK, $\pi/4$ -DQPSK
Antenna Specification [#]	-0.5dBi (provided by the applicant)
Voltage Range	DC 3.7V from battery
Sample serial number	3D8S-2 for Radiated Emissions Test 3D8S-1 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
Dwell Time		±1%(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.63dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	0.009MHz~30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.34dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.40dB(k=2, 95% level of confidence)
18GHz - 40GHz		5.64dB(k=2, 95% level of confidence)
Temperature		±1°C
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	41	2443
2	2404	42	2444
...	...	...	...
...	...	...	...
36	2438	75	2477
37	2439	76	2478
38	2440	77	2479
39	2441	78	2480

EUT was tested with Channel 0, 39 and 78.

EUT Exercise Software

“FCC_assist 1.0.2.2.exe”[#] exercise software was used and the power level is 10[#]. The software and power level was provided by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

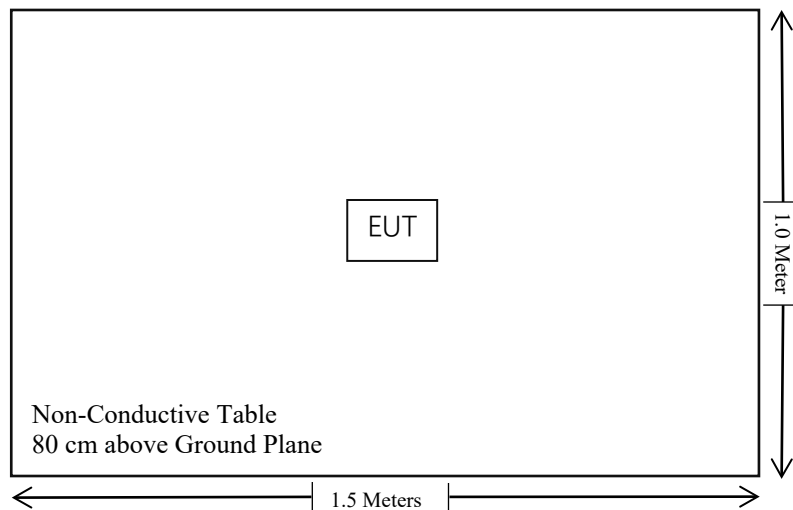
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

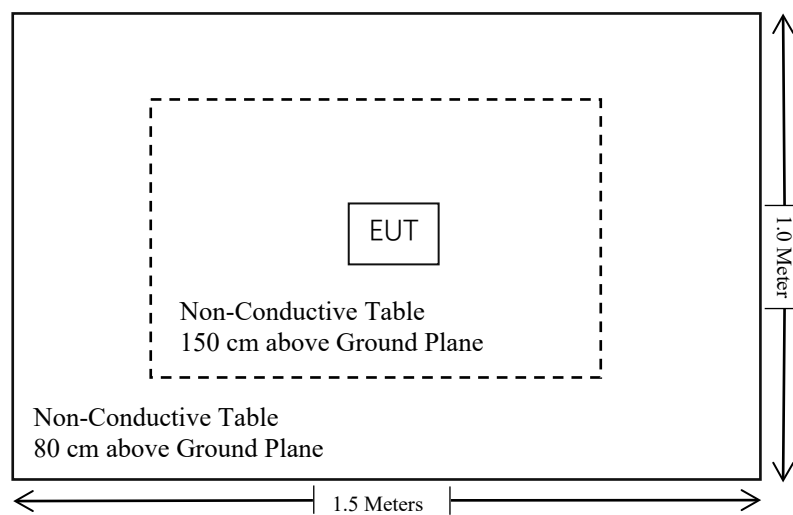
Cable Description	Length (m)	From Port	To
/	/	/	/

Block Diagram of Test Setup

For Radiated Emissions below 1GHz:



For Radiated Emissions above 1GHz:



SUMMARY OF TEST RESULTS

Rules	Description of Test	Result	Remark
FCC 15.247 (i), §1.1307 (b) (1) & §2.1093	RF EXPOSURE	Compliant	-
FCC §15.203	Antenna Requirement	Compliant	-
FCC §15.207(a)	AC Line Conducted Emissions	Not Applicable	-
FCC §15.205, §15.209, §15.247(d)	Radiated Emissions	Compliant	-
FCC §15.247(a)(1)	20 dB Emission Bandwidth	-	See Note
FCC §15.247(a)(1)	Channel Separation Test	-	See Note
FCC §15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	-	See Note
FCC §15.247(a)(1)(iii)	Quantity of hopping channel Test	-	See Note
FCC §15.247(b)(1)	Peak Output Power Measurement	Reporting only	See Note
FCC §15.247(d)	Band edges	-	See Note

Not Applicable: The device was powered by battery when operating.

Note:

1. This is a CIIPC application based on FCC ID: 2AA7X-TERRY, issued on 01-03-2025. According to manufacturer declared, the device changes are as follows:

- (1) Change the antenna matching circuit: the C15 is changed from 2nH to 2.2nH.
- (2) Changing the product model to “TERRY”.
- (3) Change the appearance silk-screen printing.

Based on the above difference, it will impact radiated emissions, so the relevant update content is provided.

2. The other test data and photos please refer to the report 2402A107821E-RF-00A.

3. The BACL (SZ) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
TDK	Chamber	Chamber A	2#	2023/07/12	2026/07/11
TDK	Chamber	Chamber B	1#	2023/07/14	2026/07/13
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2025/09/01	2026/08/31
Sonoma instrument	Pre-amplifier	310N	186238	2025/09/08	2026/09/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Chamber A Cable	Cable A3	Cable A3	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A4	Cable A4	2025/09/08	2026/09/07
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Chamber A Cable	Cable A2	Cable A2	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A1	Cable A1	2025/09/08	2026/09/07
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
Rohde&Schwarz	Spectrum Analyzer	FSV40	101605	2025/09/01	2026/08/31
A.H.System	Preamplifier	PAM-0118P	489	2025/09/08	2026/09/07
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
JD	Filter Switch Unit	DT7220FSU	DS79906	2025/08/12	2026/08/11
JD	Multiplex Switch Test Control Set	DT7220SCU	DS79903	2025/08/12	2026/08/11
Unknown	Chamber B Cable	Cable B1	Cable B1	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B2	Cable B2	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B3	Cable B3	2025/09/08	2026/09/07
A.H.System	Pre-amplifier	PAM-1840VH	190	2025/04/29	2026/04/28
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17
UTIFLEX	Chamber B Cable	Cable B4	Cable B4	2025/09/17	2026/09/16
Unknown	Chamber B Cable	Cable B5	Cable B5	2025/09/17	2026/09/16
Audix	EMI Test software	E3	191218(V9)	NCR	NCR

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
JD	JD Auto TestSystem	NA	1.0.0.3769	NCR	NCR
Rohde&Schwarz	Spectrum Analyzer	FSV40-N	102259	2025/09/01	2026/08/31
Unknown	10dB Attenuator	Unknown	F-03-EM190	2025/06/26	2026/06/25

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.247 (i), §1.1307 (b) (1) & §2.1093 - RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance v06.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

Measurement Result

For worst case:

Mode	Frequency (MHz)	Max tune-up conducted power [#] (dBm)	Max tune-up conducted power [#] (mW)	Distance (mm)	Calculated value	Threshold (1-g SAR)	SAR Test Exclusion
BT	2402-2480	1.5	1.41	5	0.4	3	Yes

Result: Compliant

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 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 an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. 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.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Antenna Connector Construction

The EUT has one internal antenna arrangement, which was permanently attached, the antenna gain[#] is -0.5dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

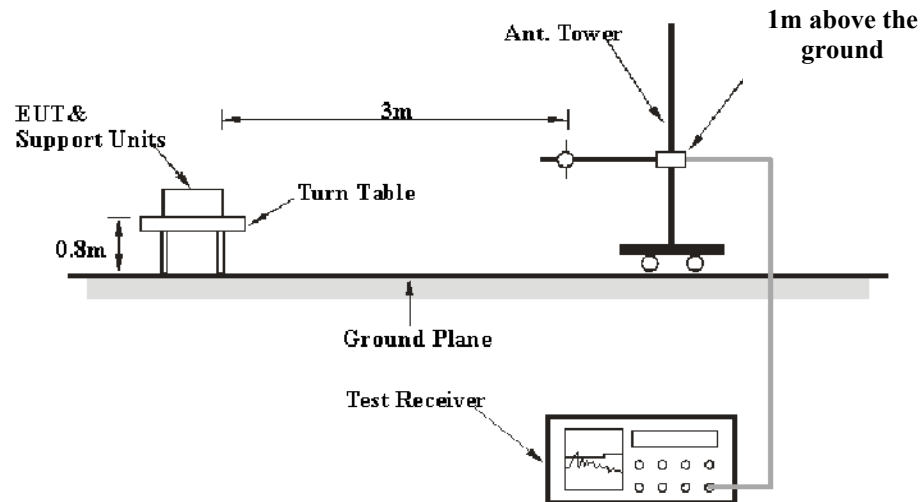
FCC §15.205, §15.209 & §15.247(d) - RADIATED EMISSIONS

Applicable Standard

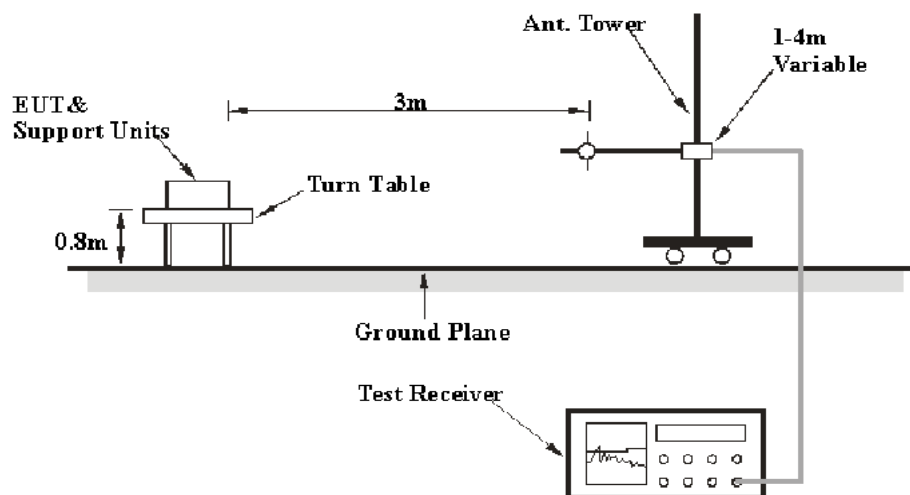
FCC §15.205; §15.209; §15.247(d)

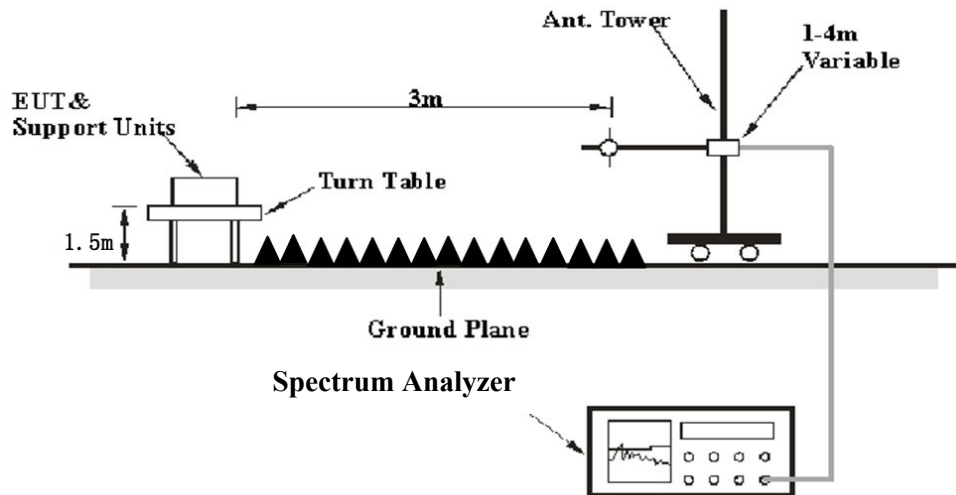
EUT Setup

9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:

The radiated emission tests were performed in the 3 meters, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209 and FCC 15.247 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement	Detector
9 kHz – 150 kHz	/	/	200 Hz	QP	QP
	300 Hz	1 kHz	/	PK	Peak
150 kHz – 30 MHz	/	/	9 kHz	QP	QP
	10 kHz	30 kHz	/	PK	Peak
30 MHz – 1000 MHz	/	/	120 kHz	QP	QP
	100 kHz	300 kHz	/	PK	Peak
Above 1 GHz	Harmonics				
	1MHz	3 MHz	/	PK	Peak
	Average Emission Level=Peak Emission Level+20*log(Duty cycle)				
	Band Edge & Other Emissions				
	1MHz	3 MHz	/	PK	Peak
	1MHz	≥10 Hz	/	Average	Peak

For Duty cycle measurement:

Use the duty cycle factor correction factor method per 15.35(c).

Duty cycle=On time/100milliseconds, On time= $N_1 \cdot L_1 + N_2 \cdot L_2 + \dots + N_{n-1} \cdot L_{n-1} + N_n \cdot L_n$,

Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulse, etc.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

All emissions under the average limit and under the noise floor have not recorded in the report.

Factor & Over Limit/Margin Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned}\text{Over Limit/Margin} &= \text{Level/Corrected Amplitude} - \text{Limit} \\ \text{Level / Corrected Amplitude} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Test Data

Environmental Conditions

Temperature:	20.2~22.5 °C
Relative Humidity:	45~52 %
ATM Pressure:	100.3~102.3 kPa

The testing was performed by Anson Su and Leon Guo from 2025-12-05 to 2025-12-17.

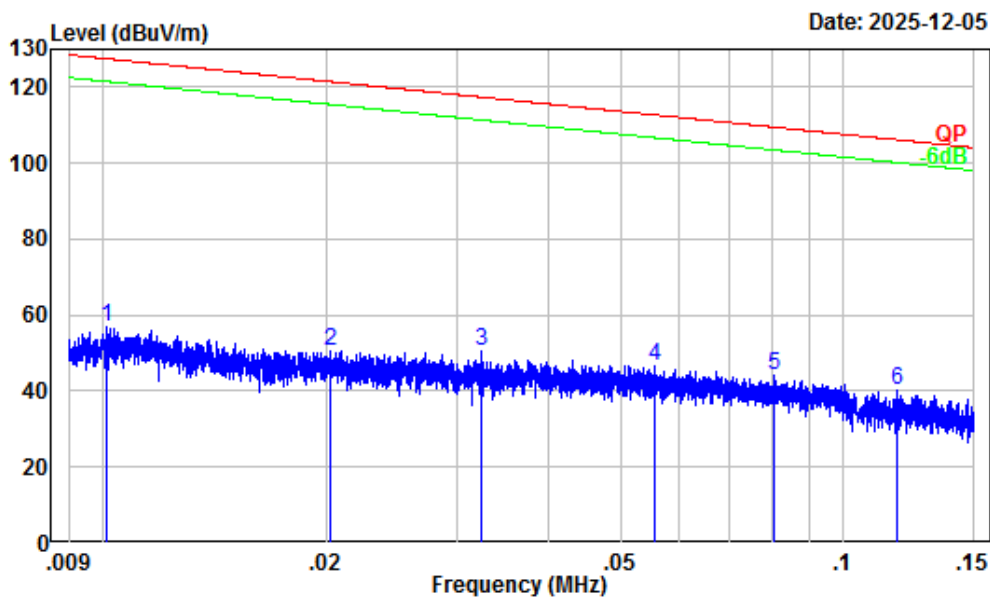
Test mode: Transmitting

Note: After pre-scan in the X, Y and Z axes of orientation, the worst case z-axis of orientation were recorded.

9 kHz-30MHz: (Maximum output power mode, EDR ($\pi/4$ -DQPSK) Middle Channel)

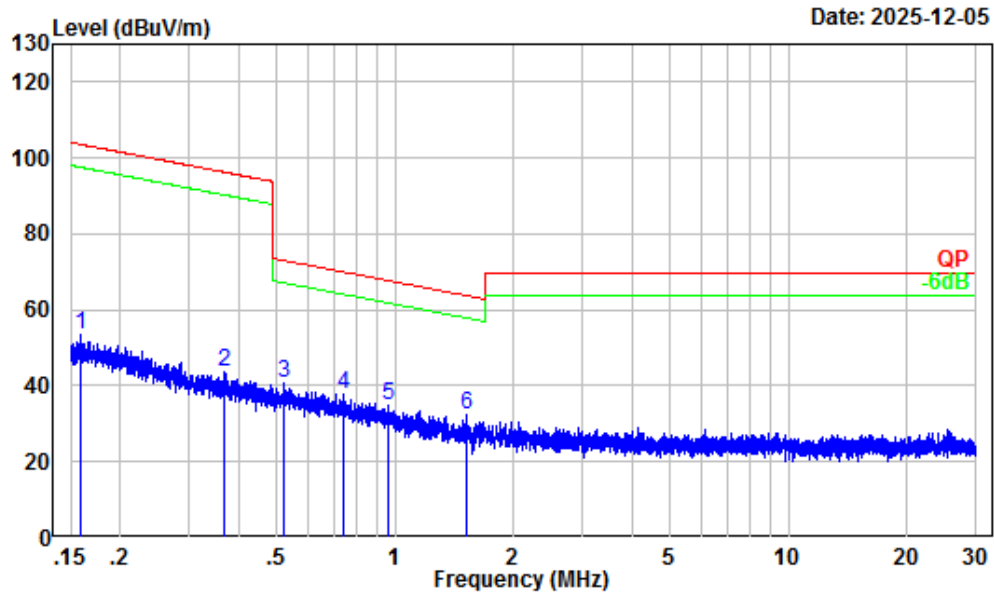
Note: When the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.

Parallel (worst case)



Site : Chamber A
Condition : 3m
Project Number : 2501Z86925E-RF-A1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Anson Su

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.010	32.28	24.46	56.74	127.51	-70.77	Peak
2	0.020	30.34	20.08	50.42	121.44	-71.02	Peak
3	0.032	28.24	22.22	50.46	117.38	-66.92	Peak
4	0.056	25.83	20.95	46.78	112.69	-65.91	Peak
5	0.081	23.36	20.57	43.93	109.47	-65.54	Peak
6	0.118	20.95	19.51	40.46	106.18	-65.72	Peak

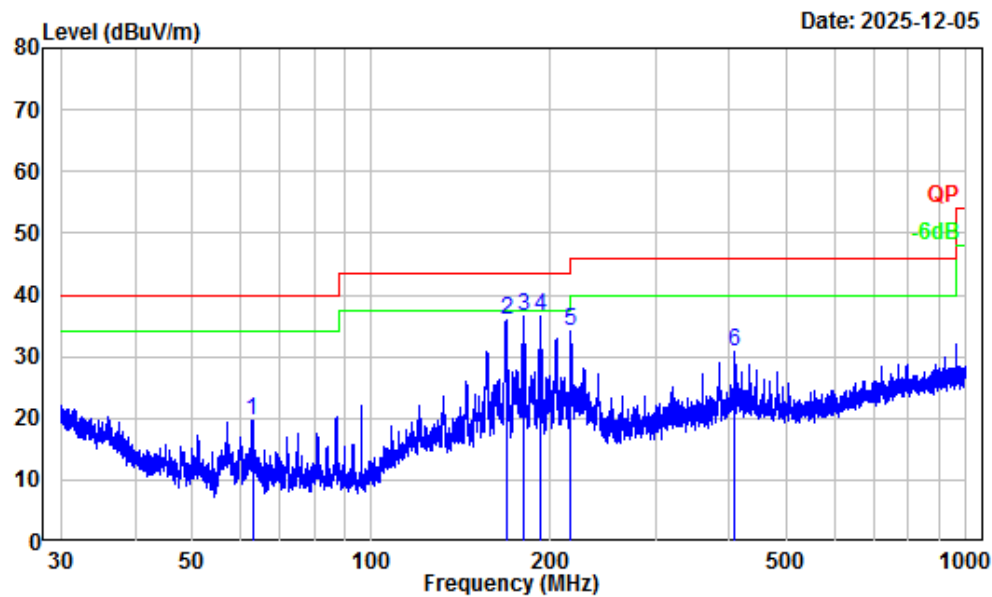


Site : Chamber A
Condition : 3m
Project Number : 2501Z86925E-RF-A1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 10/30kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.158	18.56	34.90	53.46	103.62	-50.16	Peak
2	0.367	8.92	34.92	43.84	96.30	-52.46	Peak
3	0.524	6.10	34.84	40.94	73.20	-32.26	Peak
4	0.740	3.45	34.43	37.88	70.15	-32.27	Peak
5	0.963	1.48	33.21	34.69	67.81	-33.12	Peak
6	1.519	-0.25	32.56	32.31	63.76	-31.45	Peak

30MHz-1GHz: (Maximum output power mode, EDR ($\pi/4$ -DQPSK) Middle Channel)

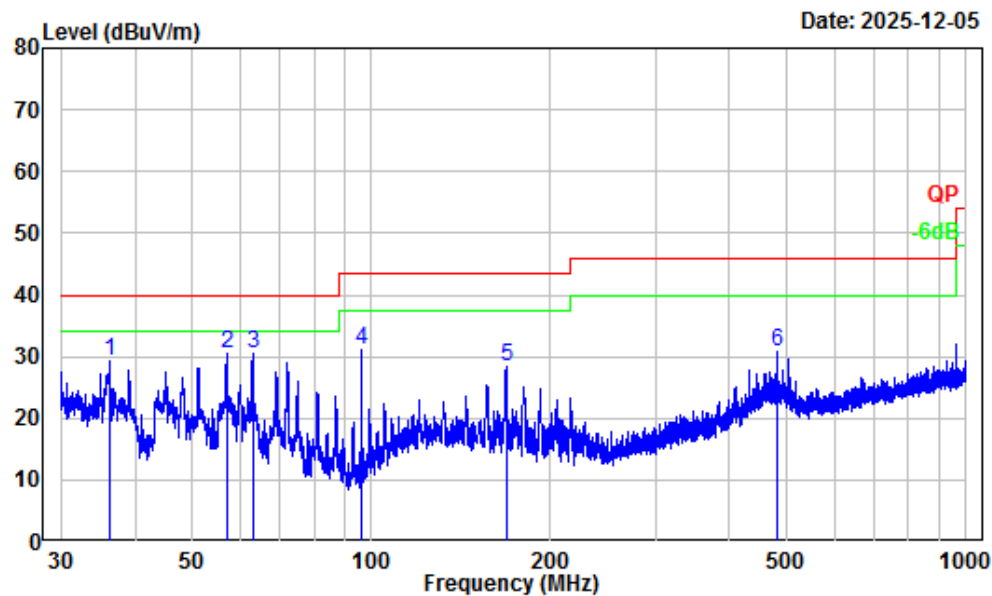
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2501Z86925E-RF-A1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq	Factor	Read Level	Read Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	63.04	-18.11	37.73	19.62	40.00	-20.38	Peak
2	168.34	-13.03	48.83	35.80	43.50	-7.70	Peak
3	179.70	-13.65	50.06	36.41	43.50	-7.09	Peak
4	192.33	-13.99	50.57	36.58	43.50	-6.92	Peak
5	216.40	-14.20	48.44	34.24	46.00	-11.76	Peak
6	408.05	-8.20	38.89	30.69	46.00	-15.31	Peak

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number : 2501Z86925E-RF-A1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	36.24	-9.67	39.00	29.33	40.00	-10.67	Peak
2	57.09	-18.31	48.78	30.47	40.00	-9.53	Peak
3	63.15	-18.10	48.65	30.55	40.00	-9.45	Peak
4	96.01	-17.02	48.20	31.18	43.50	-12.32	Peak
5	168.34	-13.03	41.31	28.28	43.50	-15.22	Peak
6	481.58	-6.28	37.03	30.75	46.00	-15.25	Peak

Above 1GHz:

Frequency (MHz)	Reading (dB μ V)	PK/Ave	Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
π /4-DQPSK(Maximum output power mode)							
Low Channel							
4804.00	57.53	PK	H	-7.83	49.70	74.00	-24.30
4804.00	57.69	PK	V	-7.83	49.86	74.00	-24.14
Middle Channel							
4882.00	59.57	PK	H	-7.66	51.91	74.00	-22.09
4882.00	56.95	PK	V	-7.66	49.29	74.00	-24.71
High Channel							
4960.00	56.85	PK	H	-7.57	49.28	74.00	-24.72
4960.00	56.93	PK	V	-7.57	49.36	74.00	-24.64

Note:

Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

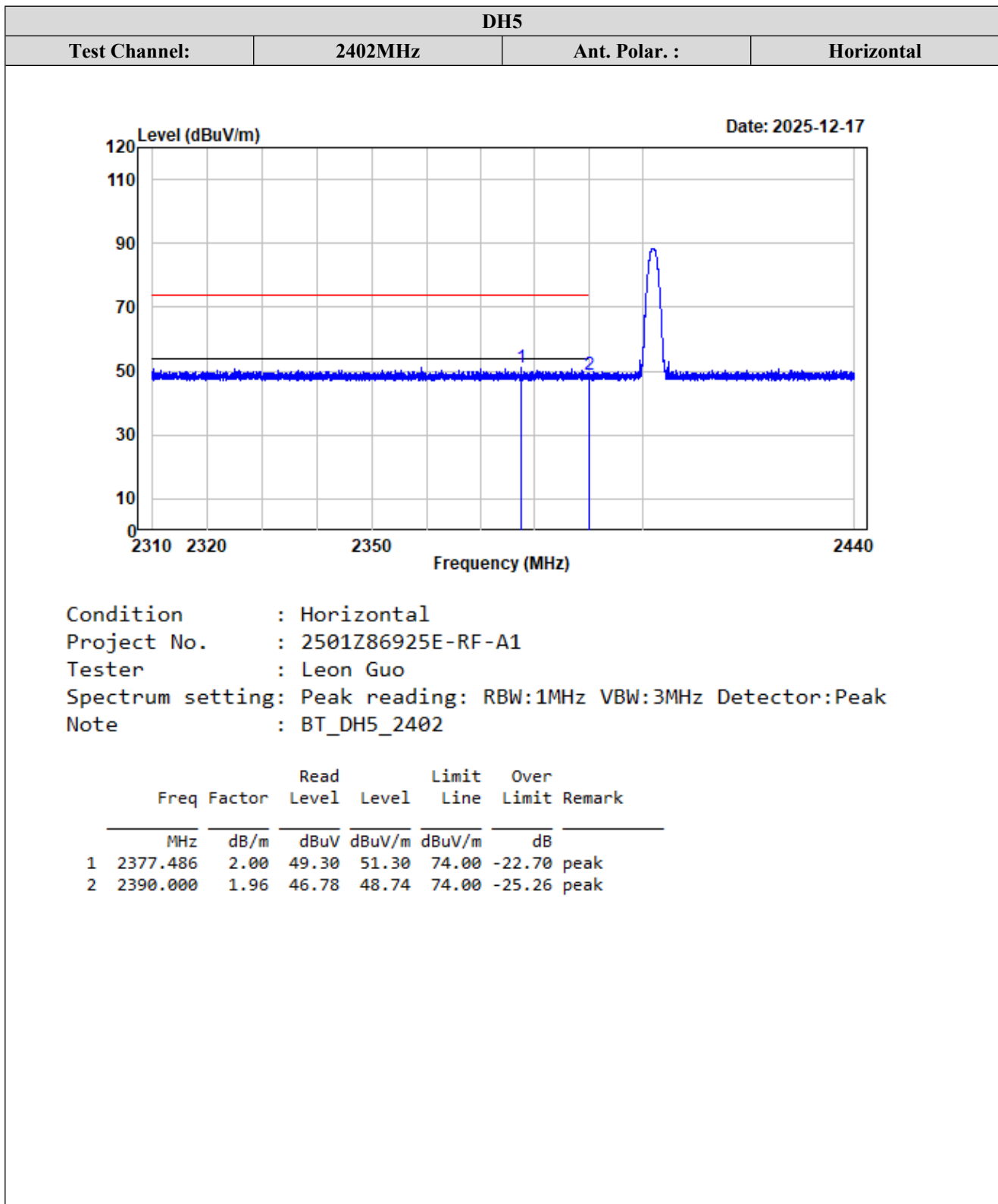
Corrected Amplitude = Factor + Reading

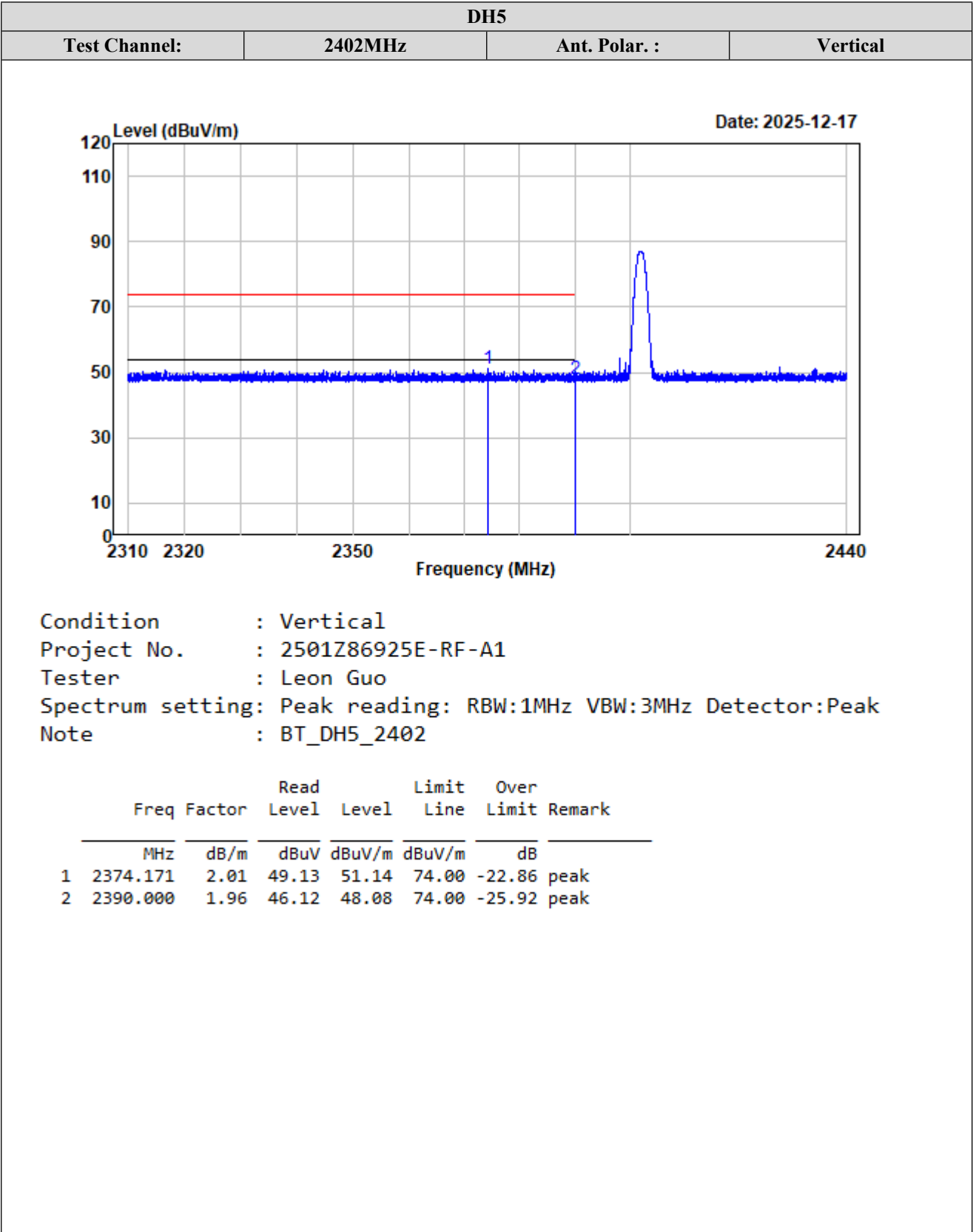
Margin = Corrected. Amplitude - Limit

The other spurious emission which is in the noise floor level was not recorded.

The test result of peak was less than the limit of average, so just peak values were recorded.

Test plots for Band Edge Measurements (Radiated):





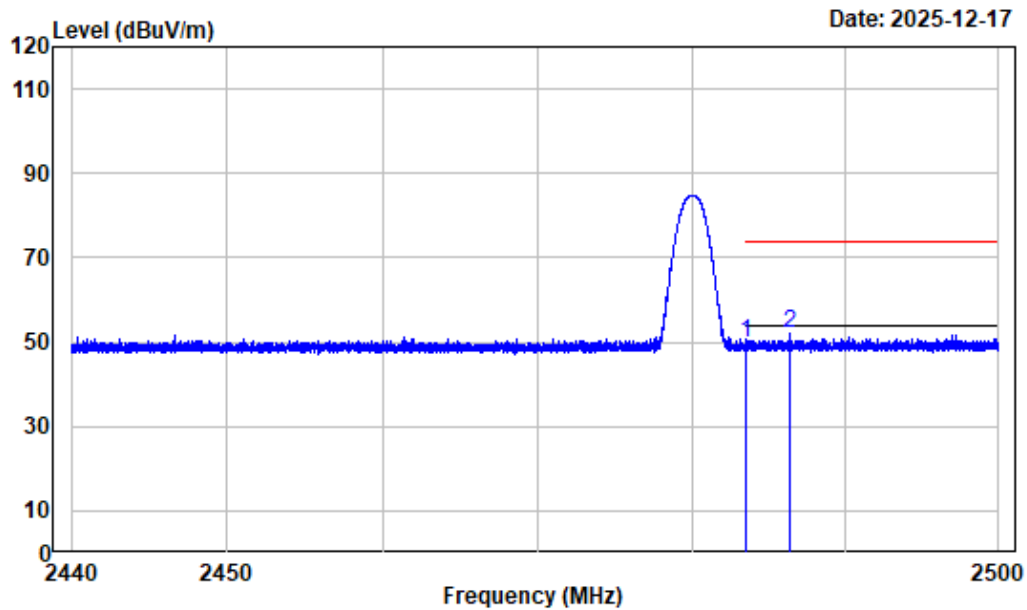
DH5

Test Channel:

2480MHz

Ant. Polar. :

Horizontal



Condition : Horizontal

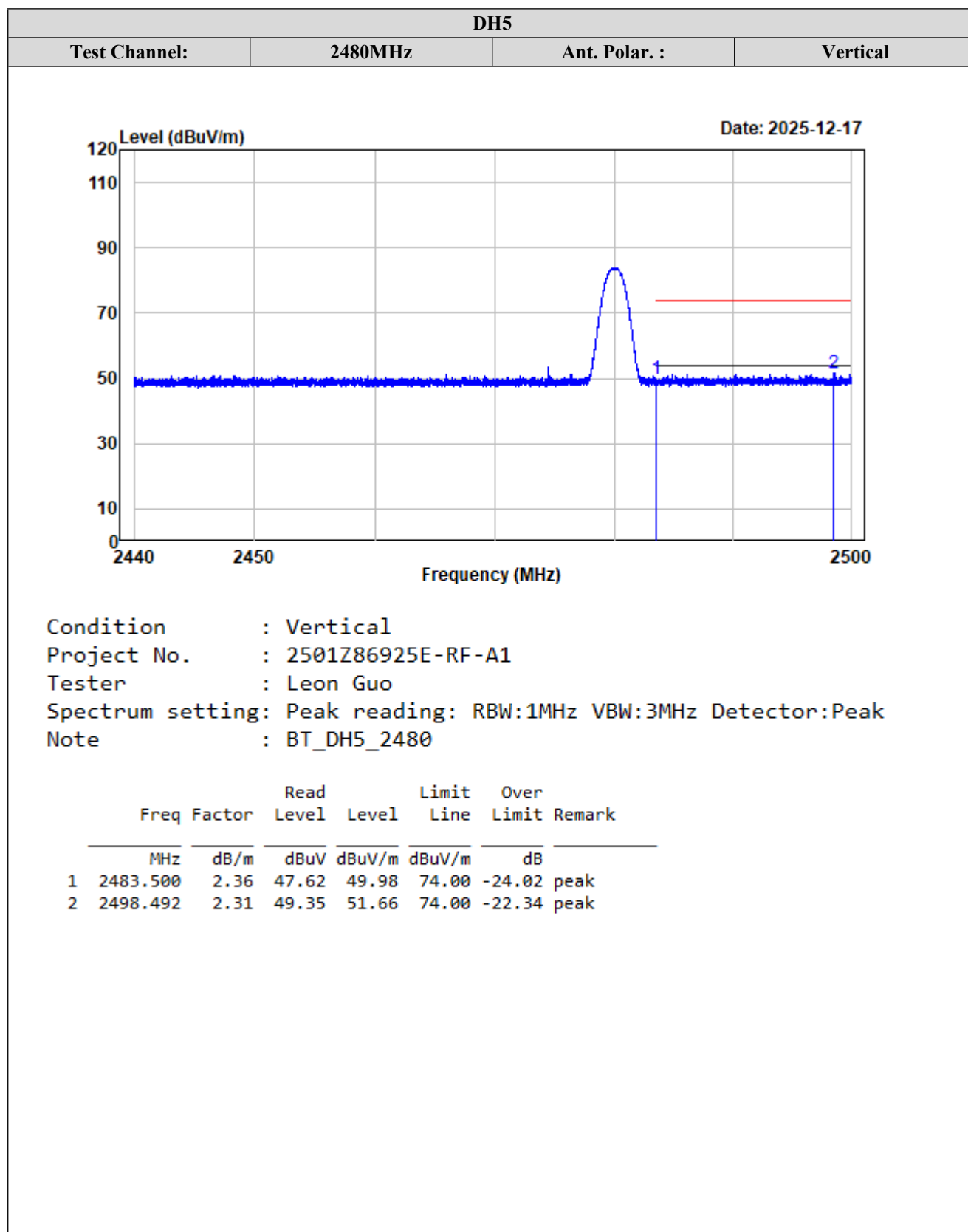
Project No. : 2501Z86925E-RF-A1

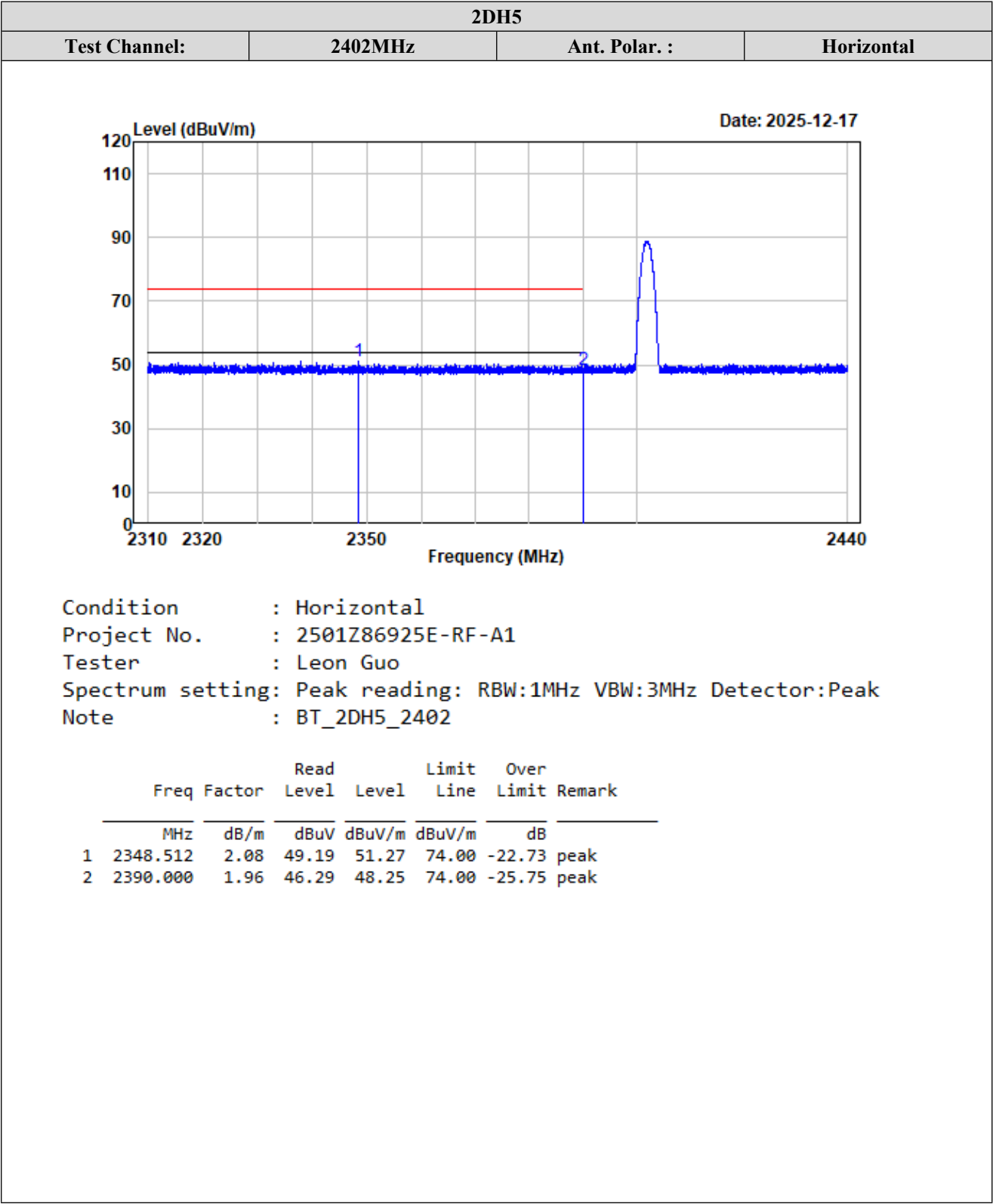
Tester : Leon Guo

Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

Note : BT_DH5_2480

		Read		Limit	Over	Remark
Freq Factor		Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	2.36	47.25	49.61	74.00	-24.39 peak
2	2486.320	2.35	49.75	52.10	74.00	-21.90 peak





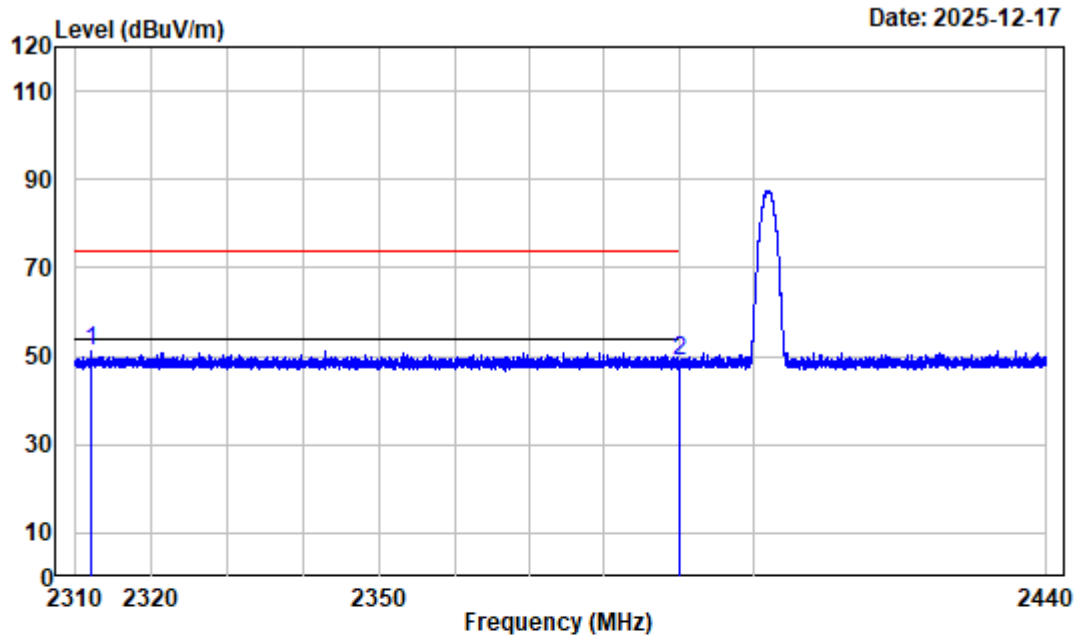
2DH5

Test Channel:

2402MHz

Ant. Polar. :

Vertical



Condition : Vertical

Project No. : 2501Z86925E-RF-A1

Tester : Leon Guo

Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

Note : BT_2DH5_2402

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2312.129	2.06	49.25	51.31	74.00	-22.69	peak
2	2390.000	1.96	47.08	49.04	74.00	-24.96	peak

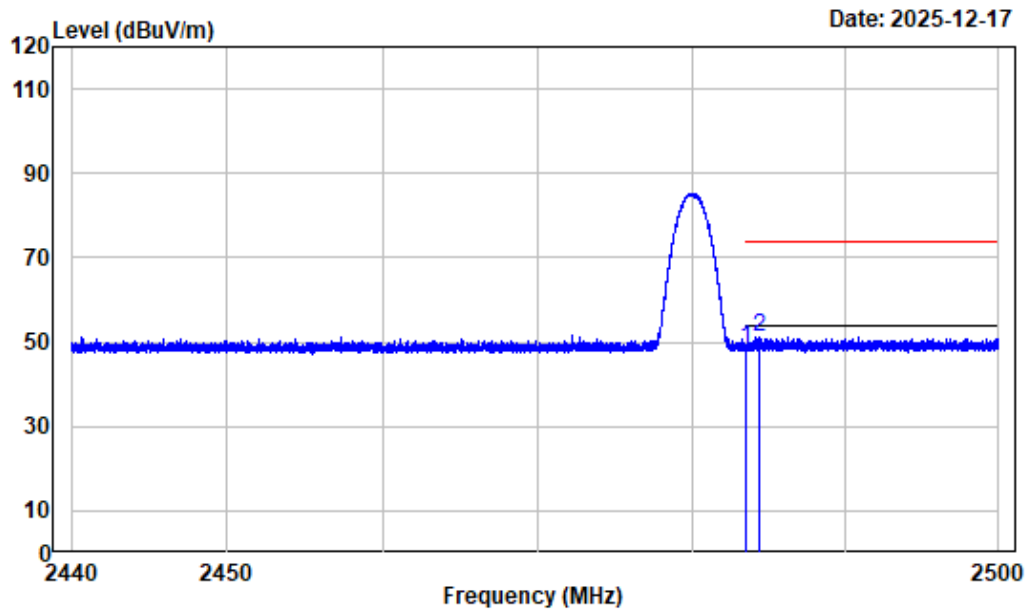
2DH5

Test Channel:

2480MHz

Ant. Polar. :

Horizontal



Condition : Horizontal

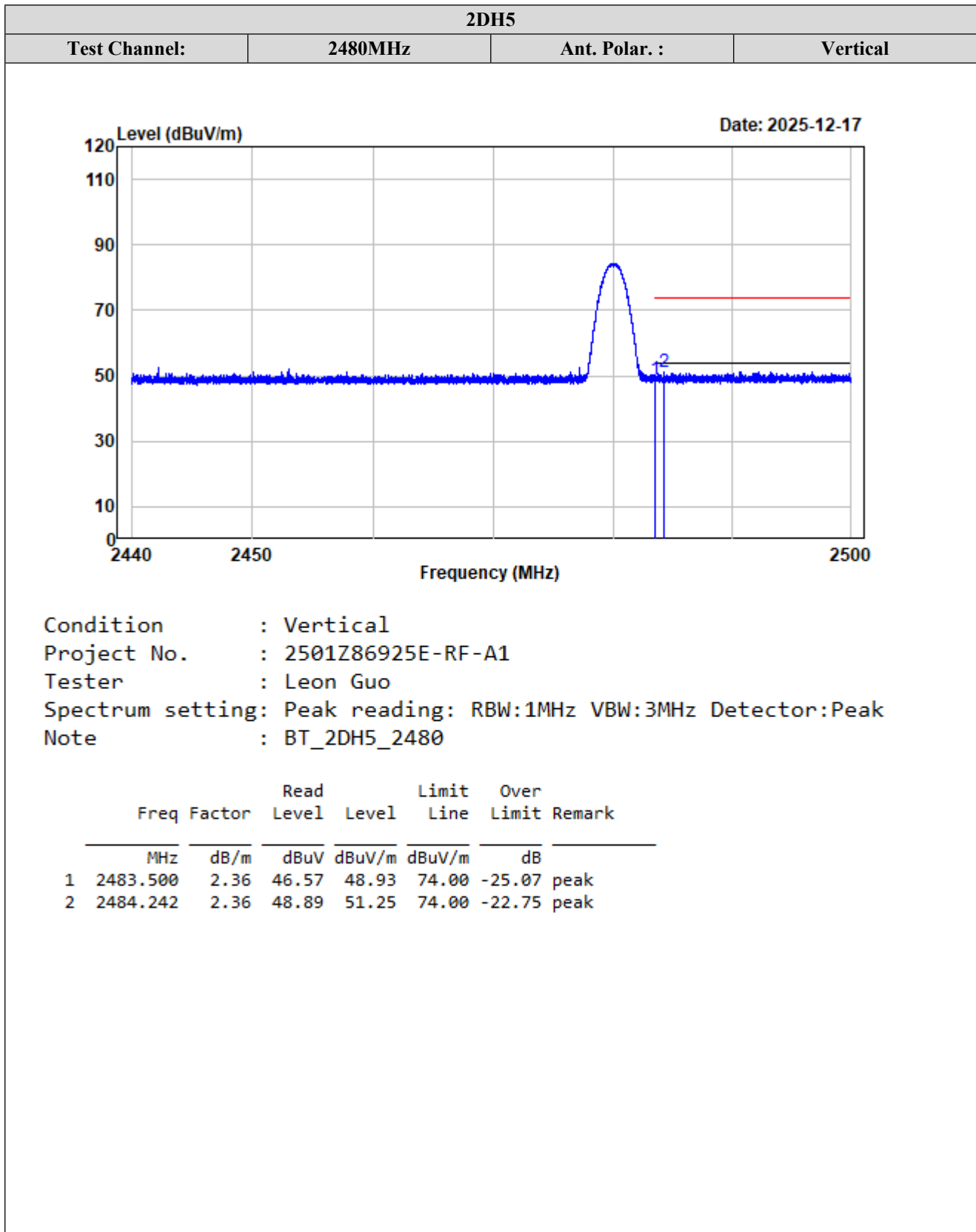
Project No. : 2501Z86925E-RF-A1

Tester : Leon Guo

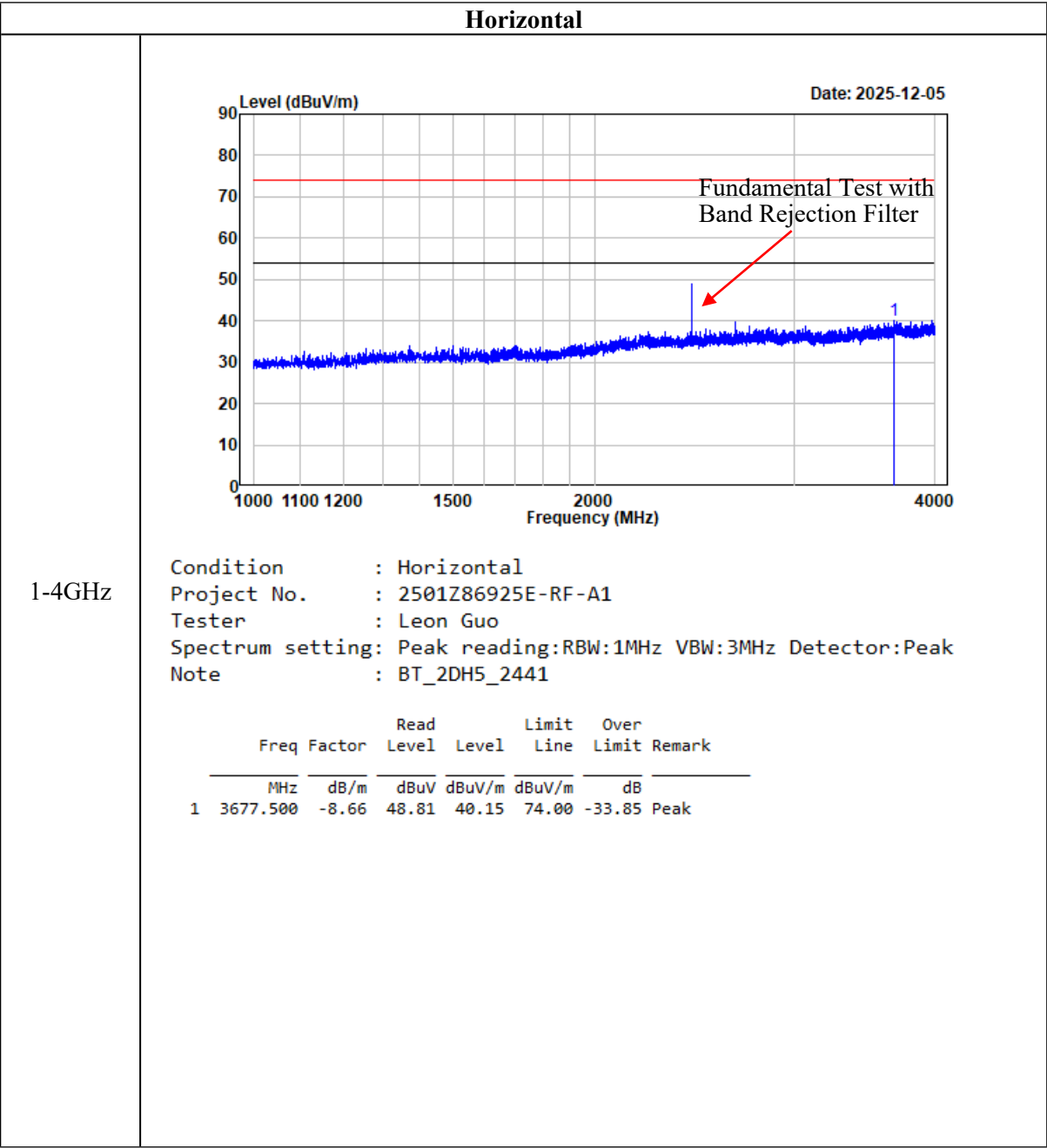
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

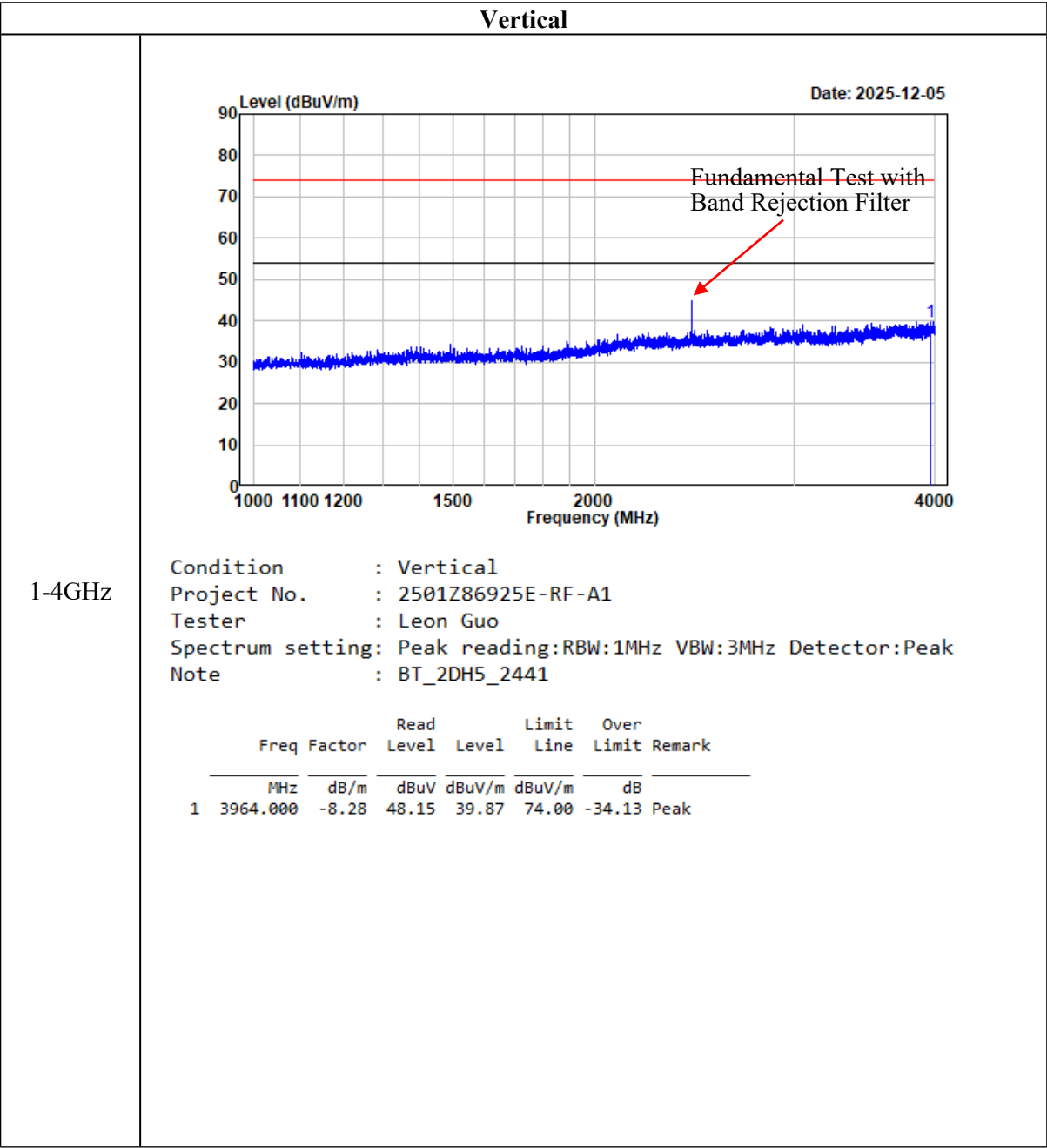
Note : BT_2DH5_2480

		Read		Limit	Over	Remark
Freq Factor		Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	2.36	46.03	48.39	74.00	-25.61 peak
2	2484.393	2.36	48.78	51.14	74.00	-22.86 peak



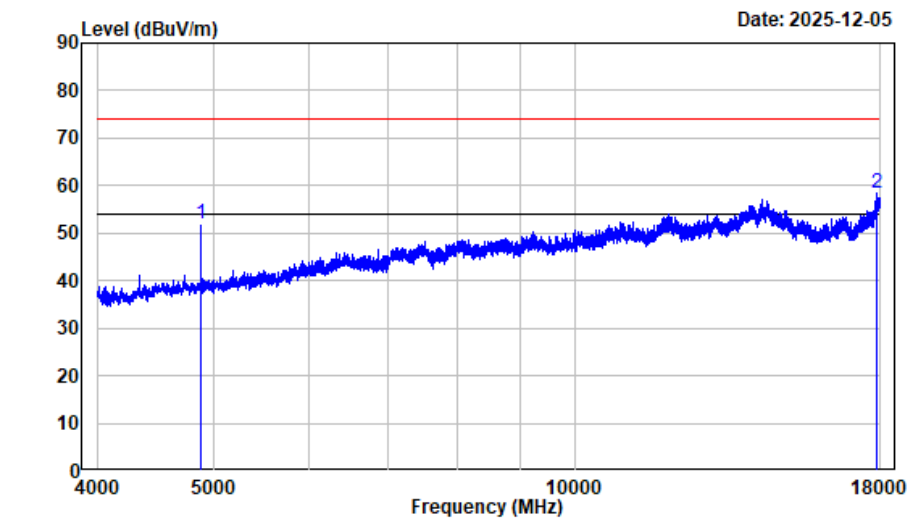
1-18GHz (Listed with the worst margin test plots):





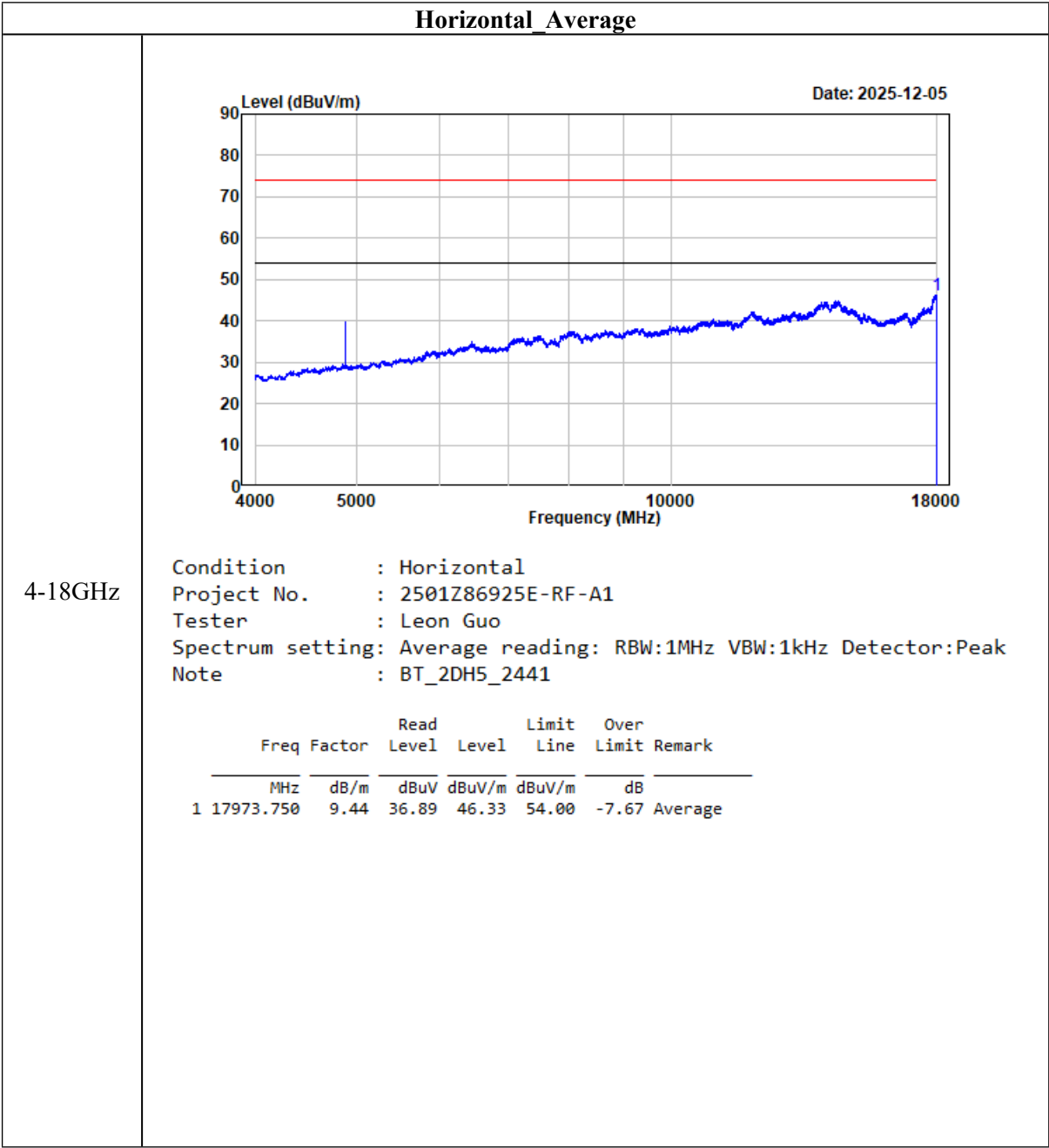
Horizontal Peak

4-18GHz



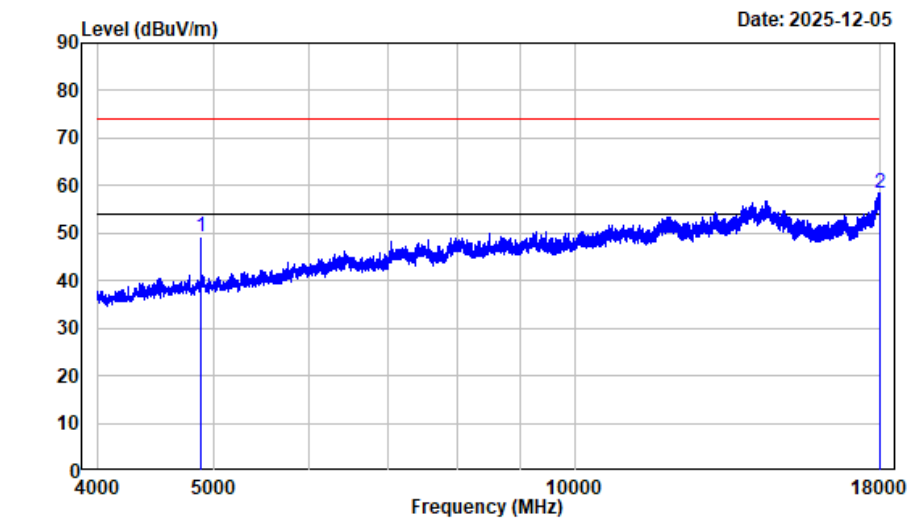
Condition : Horizontal
Project No. : 2501Z86925E-RF-A1
Tester : Leon Guo
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : BT_2DH5_2441

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4882.000	-7.66	59.57	51.91	74.00	-22.09	Peak
2 17851.250	8.20	50.11	58.31	74.00	-15.69	Peak



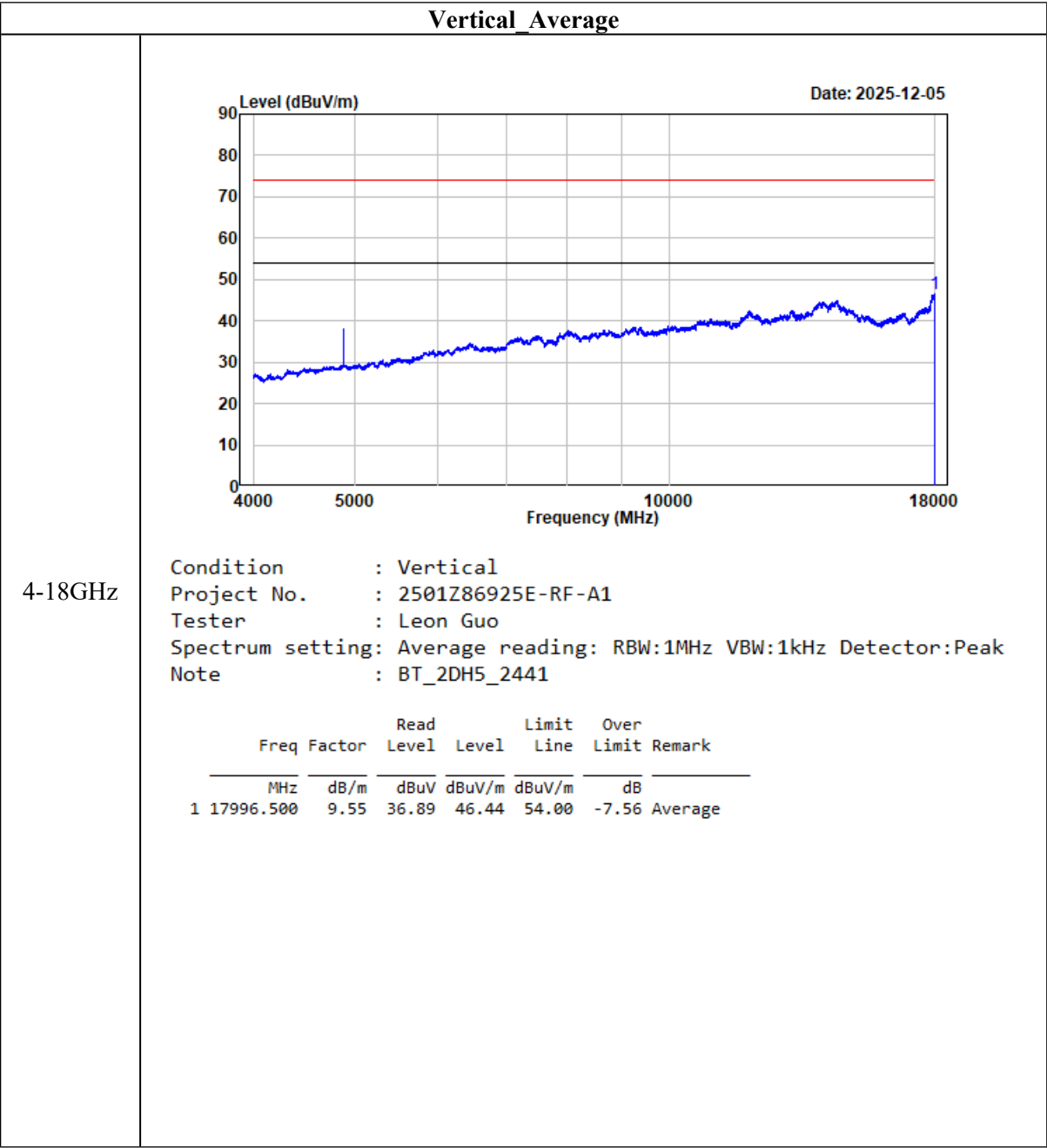
Vertical Peak

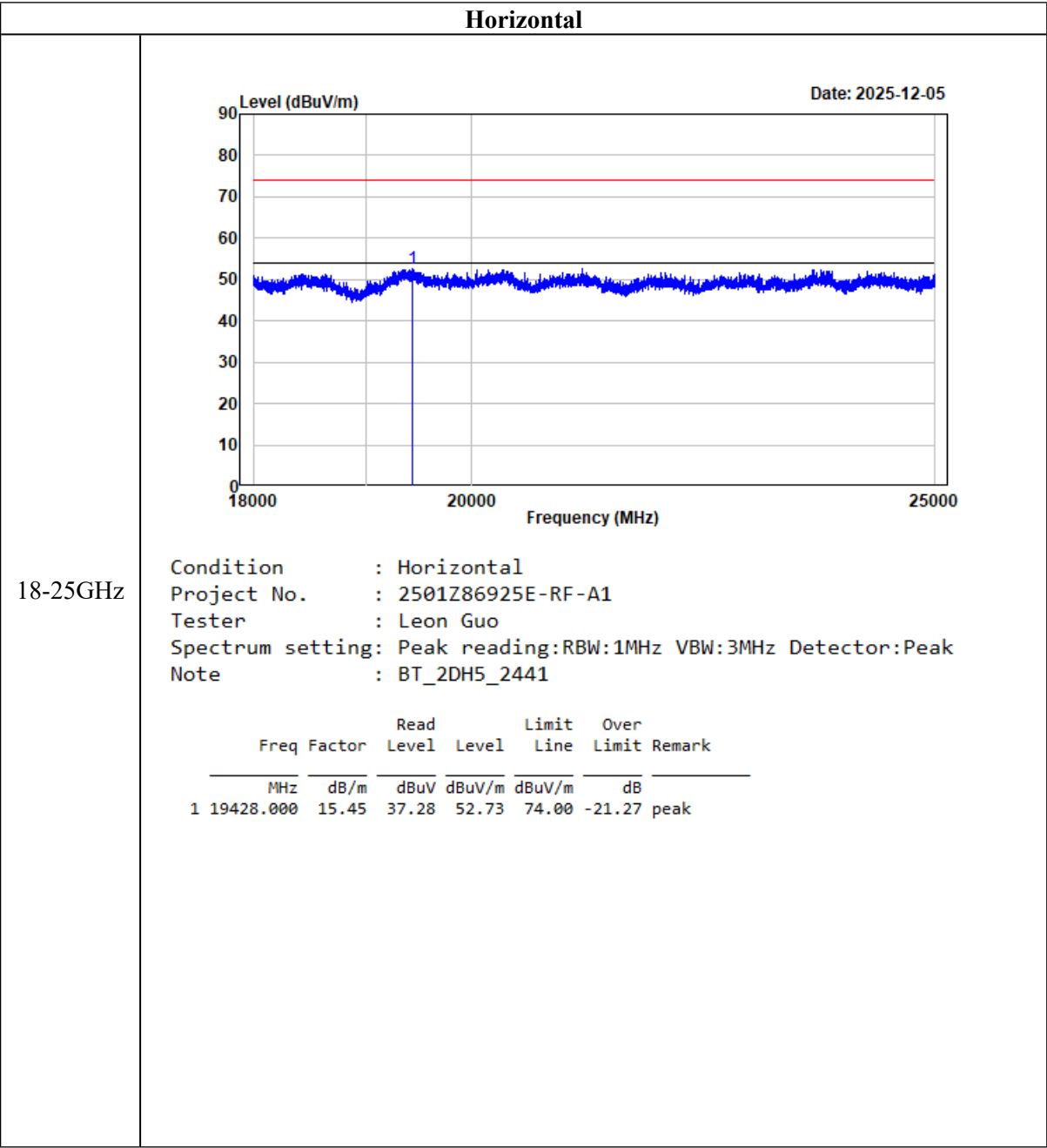
4-18GHz

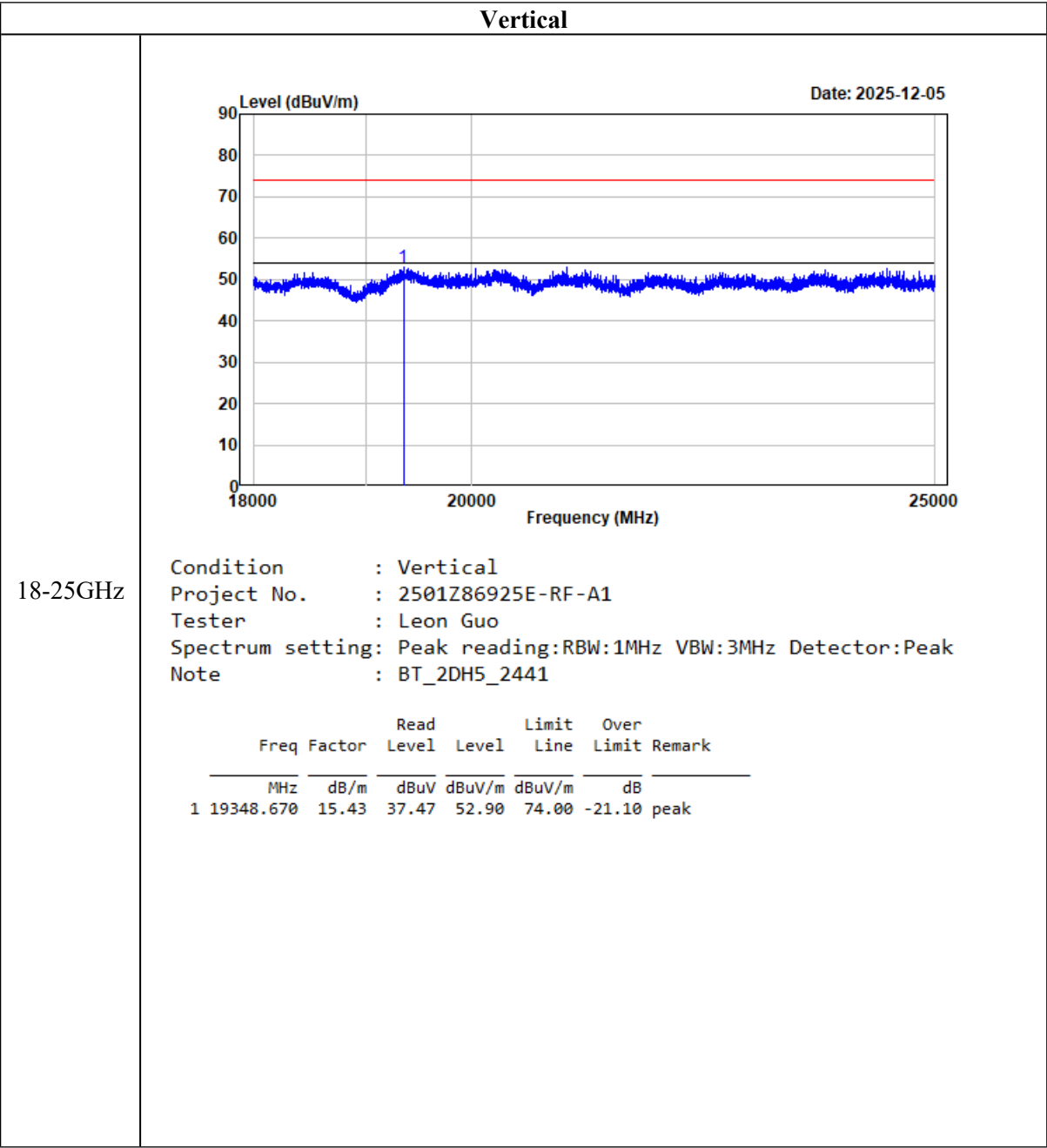


Condition : Vertical
Project No. : 2501Z86925E-RF-A1
Tester : Leon Guo
Spectrum setting: Peak reading:RBW:1MHz VBW:3MHz Detector:Peak
Note : BT_2DH5_2441

		Read		Limit	Over	Remark
Freq		Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 4882.000	-7.66	56.95	49.29	74.00	-24.71	Peak
2 17972.000	9.43	48.95	58.38	74.00	-15.62	Peak







FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

Applicable Standard

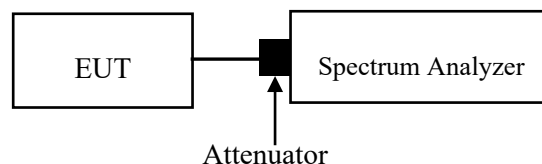
According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Procedure

Test Method: ANSI C63.10-2020 Clause 7.8.5

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings:

- a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
- b) RBW > 20 dB bandwidth of the emission being measured.
- c) VBW $\geq$ RBW.
- d) Sweep: No faster than coupled (auto) time.
- e) Detector function: Peak.
- f) Trace: Max-hold.
- g) Allow trace to stabilize.
- h) Use the marker-to-peak function to set the marker to the peak of the emission.
- i) The indicated level is the peak output power, after any corrections for external attenuators and cables.
- j) A spectral plot of the test results and setup description shall be included in the test report.



Note: A short RF cable with low cable loss connected to the EUT antenna port, which was provided by client or lab, the cable loss was add with offset into test equipment, the total offset consists of attenuator and/or RF cable loss.

Note: Offset (10.5dB) = Attenuator (10dB) + Cable loss (0.5dB)

Test Data**Environmental Conditions**

Temperature:	25.6 °C
Relative Humidity:	40 %
ATM Pressure:	101.3 kPa

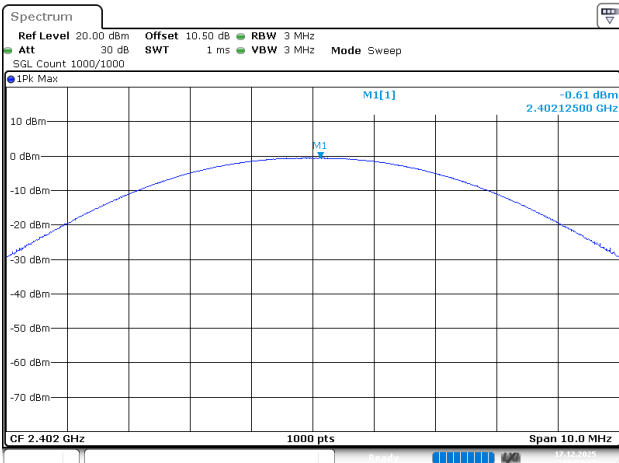
The testing was performed by Ethan Bu on 2025-12-17.

EUT operation mode: Transmitting

Test Result: Compliant, the power is consistent with original.

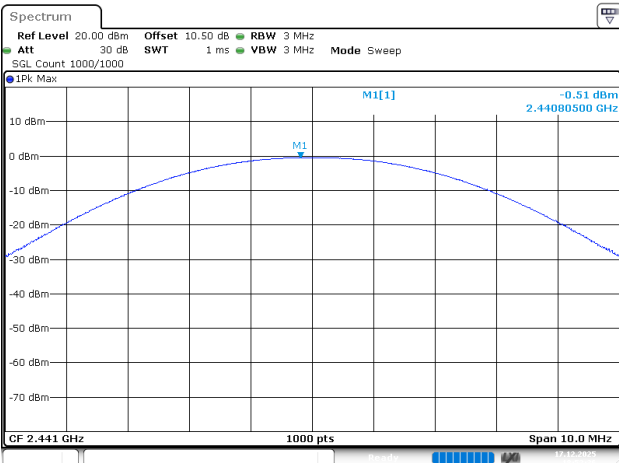
Mode	Test Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Verdict
DH1	2402	-0.61	21.00	Pass
	2441	-0.51	21.00	Pass
	2480	-1.03	21.00	Pass
2DH1	2402	0.14	21.00	Pass
	2441	0.20	21.00	Pass
	2480	-0.29	21.00	Pass

DH1_Low



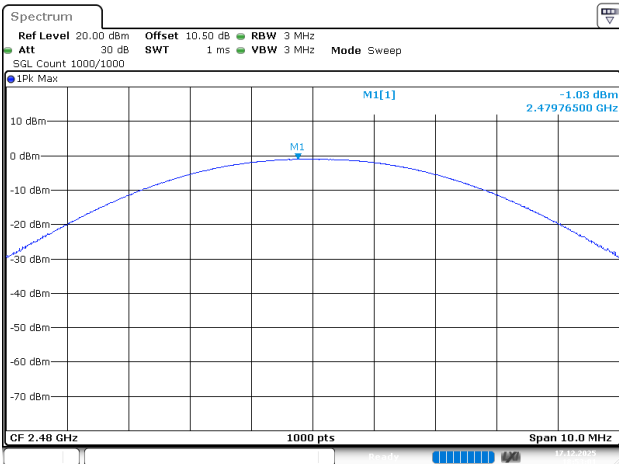
ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 18:52:15

DH1_Middle



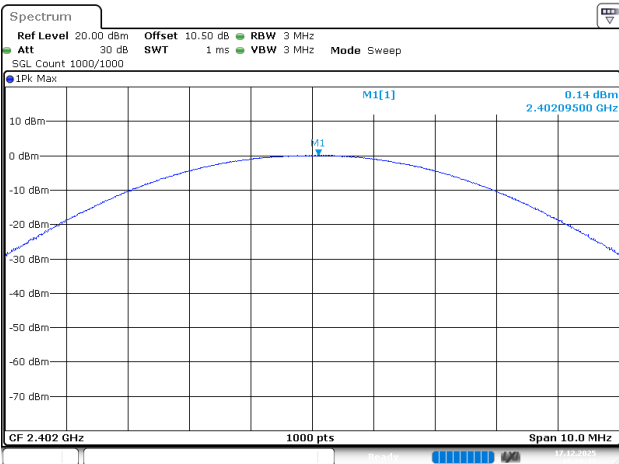
ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 18:52:36

DH1_High



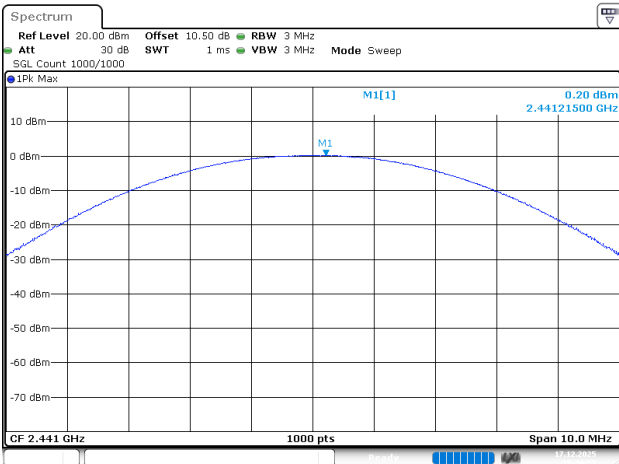
ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 18:53:01

2DH1_Low



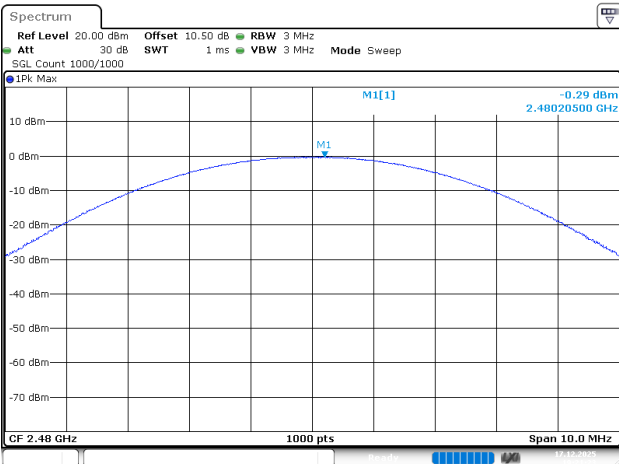
ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 19:20:33

2DH1_Middle



ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 19:20:55

2DH1_High



ProjectNo.:2501Z86925E-RF-A1 Tester:Ethan Bu
Date: 17.DEC.2025 19:21:23

EUT PHOTOGRAPHS

Please refer to the attachment 2501Z86925E-RFA1-EXP External photo and 2501Z86925E-RFA1-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501Z86925E-RFA1-TSP Test Setup photo.

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