Certificate #7130.01

FCC Radio Test Report

FCC ID: G95SBG50

This report concerns: Original Grant

Project No.	:	2409C051B
Equipment	:	Cable gateway
Brand Name	:	Vantiva
Model Name	:	CGA438APLT2, SBG50
Applicant	:	Vantiva USA LLC
Address	:	4855 Peachtree Industrial Blvd. Suite 200 Norcross, Georgia 30092
Manufacturer	:	Vantiva USA LLC
Address	:	4855 Peachtree Industrial Blvd. Suite 200 Norcross, Georgia 30092
Factory	:	PT Pegaunihan Technology Indonesia
Address	:	Jalan Markisa Lot 127 sampai dengan Lot 138, Kawasan Industri Batamindo, Kelurahan Muka Kuning, Kecamatan Sei Beduk, Kota Batam, Provinsi Kepulauan Riau, 29433, Indonesia. Party Site: 3518372
Date of Receipt	:	Mar. 24, 2025
Date of Test	:	Mar. 25, 2025 ~ Jul. 22, 2025
Issued Date	:	Jul. 30, 2025
Test Sample	:	Engineering Sample No.: DG2025032491 for conducted, DG2025032493 for others.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

Prepared by :

Antony Liang

Approved by :

Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

Tel: +86-769-8318-3000　　Web: www.newbtl.com　　Service mail: btl_qa@newbtl.com

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2409C051B	R00	Original Report.	Jul. 30, 2025	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:
ANSI C63.10-2013
The following reference test guidance is not within the scope of accreditation of A2LA:
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 662911 D01 Multiple Transmitter Output v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	------
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS	------
15.247(d)	Conducted Spurious Emissions	APPENDIX G	PASS	------
15.247(e)	Power Spectral Density	APPENDIX H	PASS	------
15.203	Antenna Requirement	------	PASS	Note(2)

Note:
    (1) "N/A" denotes test is not applicable in this test report.
    (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
BTL's Registration Number for FCC: 747969
BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A.   AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B.   Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	1.9 dB
Power Spectral Density	1.4 dB
Temperature	0.8 °C
Humidity	2.2 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	21°C	55%	AC120V/60Hz	Hayden Chen	Apr. 16, 2025
Radiated Emissions-9kHz to 30 MHz	20°C	50%	AC120V/60Hz	Hayden Chen	Apr. 23, 2025
Radiated Emissions-30MHz to 1000MHz	23°C	42%	AC120V/60Hz	Chen Mo	Apr. 14, 2025
Radiated Emissions-Above 1000MHz	23°C	42%	AC120V/60Hz	Calvin Wen Chen Mo	Apr. 10, 2025 Apr. 14, 2025
Bandwidth	25°C	51%	AC120V/60Hz	Arvin Tong	Apr. 07, 2025
Maximum Output Power	23-25°C	53-55%	AC120V/60Hz	Alex Yin	Apr. 03, 2025~ Apr. 17, 2025
Conducted Spurious Emissions	25°C	51%	AC120V/60Hz	Arvin Tong	Apr. 07, 2025
Power Spectral Density	25°C	51%	AC120V/60Hz	Arvin Tong	Apr. 07, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Cable gateway
Brand Name	Vantiva
Test Model	CGA438APLT2
Model Name	CGA438APLT2, SBG50
Model Difference(s)	The differences between CGA438APLT2 and SGB50: SBG50 removed Voice port and USB port.
Power Source	DC voltage supplied from AC adapter. Model:ADS-36FKJ-12 12036EPCU
Power Rating	I/P: 100-240V ~ 50/60Hz Max. 1.0A O/P:12V⎓3A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax/be: OFDMA
Bit Rate of Transmitter	IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 450 Mbps IEEE 802.11ax: up to 860.4 Mbps IEEE 802.11be: up to 1032 Mbps
Maximum Output Power _Non Beamforming	IEEE 802.11g: 29.30 dBm (0.8511 W)
Maximum Output Power _Beamforming	IEEE 802.11be(EHT20): 27.23 dBm (0.5284 W)

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

CH01 - CH11 for IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11ax(HE20), IEEE 802.11be(EHT20)							
CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40), IEEE 802.11be(EHT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	3.6
2	N/A	N/A	PCB	N/A	3
3	N/A	N/A	PCB	N/A	3.6

Note:

1) For CDD: Directional gain=0.9 dBi.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

2) For TXBF: Directional gain= 5.3 dBi.

4. Table for Antenna Configuration:
Non Beamforming:

Operating Mode / TX Mode	3TX
IEEE 802.11g	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11n(HT20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11n(HT40)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11ax(HE20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11ax(HE40)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11be(EHT20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11be(EHT40)	V(Ant. 1 + Ant. 2 + Ant. 3)

Beamforming:

Operating Mode / TX Mode	3TX
IEEE 802.11n(HT20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11n(HT40)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11ax(HE20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11ax(HE40)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11be(EHT20)	V(Ant. 1 + Ant. 2 + Ant. 3)
IEEE 802.11be(EHT40)	V(Ant. 1 + Ant. 2 + Ant. 3)

3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX G Mode Channel 01/06/11
Mode 2	TX BE(EHT20) Mode Channel 01/06/11
Mode 3	TX BE(EHT40) Mode Channel 03/06/09
Mode 4	TX G Mode Channel 06

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 4	TX G Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 4	TX G Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX G Mode Channel 01/06/11
Mode 2	TX BE(EHT20) Mode Channel 01/06/11
Mode 3	TX BE(EHT40) Mode Channel 03/06/09

Maximum Output Power test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX G Mode Channel 01/06/11
Mode 2	TX BE(EHT20) Mode Channel 01/06/11
Mode 3	TX BE(EHT40) Mode Channel 03/06/09

Maximum Output Power test_ Beamforming	
Final Test Mode	Description
Mode 2	TX BE(EHT20) Mode Channel 01/06/11
Mode 3	TX BE(EHT40) Mode Channel 03/06/09

Other Conducted test_ Non Beamforming	
Final Test Mode	Description
Mode 1	TX G Mode Channel 01/06/11
Mode 2	TX BE(EHT20) Mode Channel 01/06/11
Mode 3	TX BE(EHT40) Mode Channel 03/06/09

NOTE:
(1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX G Mode Channel 06 is found to be the worst case and recorded.
(3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
(5) The measurements for RF Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(6) IEEE 802.11ax mode and IEEE 802.11be mode only support full RU, so only the full RU is evaluated and measured inside report.
(7) For radiated emission 1 GHz - 18GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical for Band edge, Horizontal for Harmonic. In this report only recorded the worst case.
(8) EHT20/EHT40 covers HE20/HE40 and HT20/HT40, due to same modulation (in full RU). The power setting for 802.11n HT20/HT40 and 802.11ax HE20/HE40 are the same or lower than 802.11be EHT20/EHT40.

3.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

Test Software Version	accessMTool_REL_3_3_0_6		
Frequency (MHz)	2412	2437	2462
IEEE 802.11g	85	93	90
IEEE 802.11be(EHT20)	80	85	76
Frequency (MHz)	2422	2437	2452
IEEE 802.11be(EHT40)	78	75	75

Beamforming

Test Software Version	accessMTool_REL_3_3_0_6		
Frequency (MHz)	2412	2437	2462
IEEE 802.11be(EHT20)	79	84	75
Frequency (MHz)	2422	2437	2452
IEEE 802.11be(EHT40)	77	74	74

3.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

IEEE 802.11g
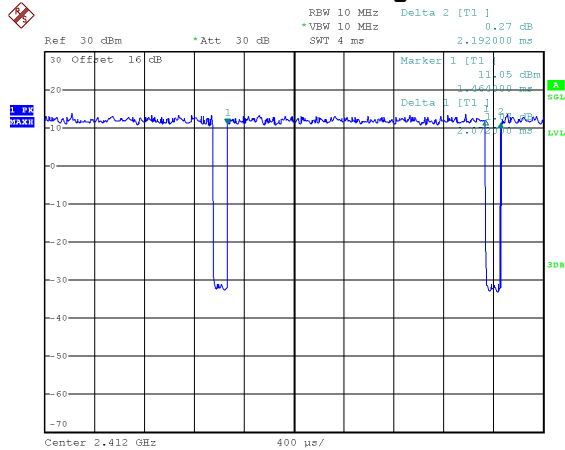
Date: 7.APR.2025 12:46:13

Duty cycle = 2.072 ms / 2.192 ms = 94.53%
Duty Factor = 10 log(1/Duty cycle) = 0.24

IEEE 802.11be(EHT20)
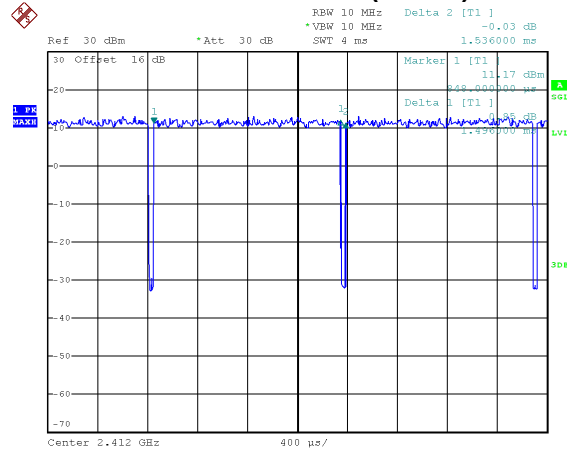
Date: 7.APR.2025 12:47:08

Duty cycle = 1.496 ms / 1.536 ms = 97.40%
Duty Factor = 10 log(1/Duty cycle) = 0.11

IEEE 802.11be(EHT40)
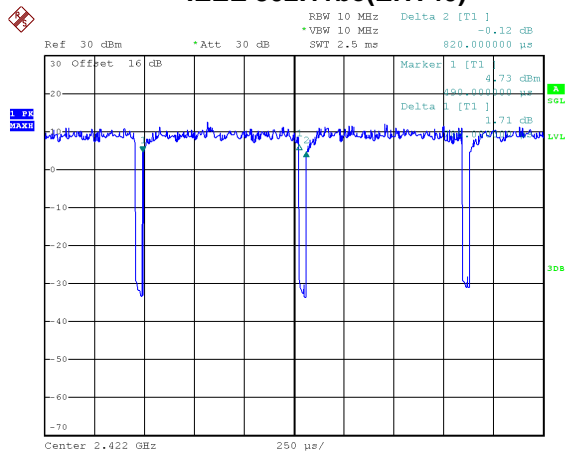
Date: 7.APR.2025 12:47:39

Duty cycle = 0.785 ms / 0.820 ms = 95.73%
Duty Factor = 10 log(1/Duty cycle) = 0.19

NOTE:
For IEEE 802.11g:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 483 Hz.

For IEEE 802.11be(EHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 668 Hz.

For IEEE 802.11be(EHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1274 Hz.

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED
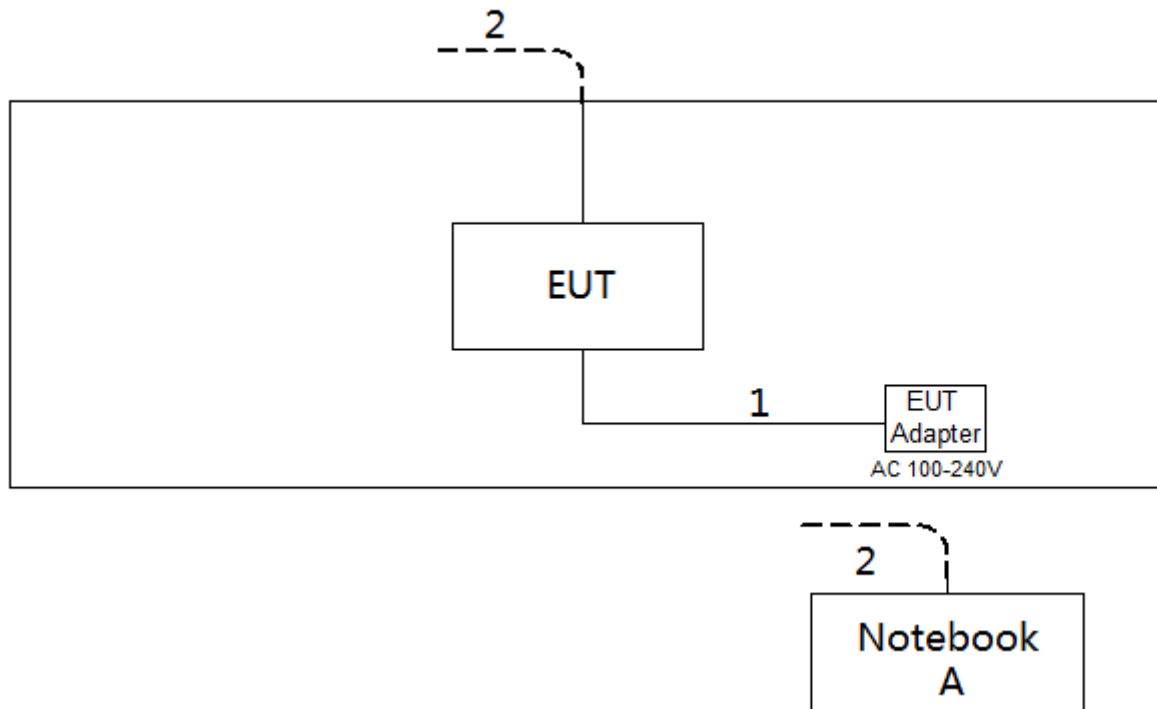
3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	14SER5 3500	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3.7 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain and beamforming gain are provided by the manufacturer.
2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

Receiver Parameters	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP

Vertical Reference Ground Plane

40 cm

EUT

Test Receiver

80 cm

LISN

Horizontal Reference Ground Plane
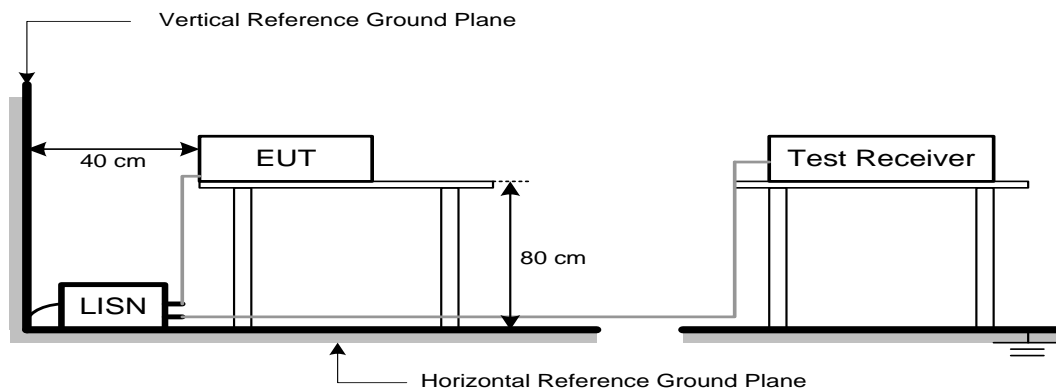
4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m (dBµV/m)		Harmonic at 1m (dBµV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 5)	63.5 (Note 5)

NOTE:

(1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.

(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

(5)

$$FS_{limit} = FS_{max} - 20\log\left(\frac{d_{limit}}{d_{measure}}\right)$$

20log ($d_{limit}/d_{measure}$)=20log (3/1)=9.5 dB.
FS_{limit}: Harmonic at 3m Peak and Average limit.
FS_{max}: Harmonic at 1m Peak and Average Maximum value.
d_{limit}: Harmonic at 3m test distance.
$d_{measure}$: Harmonic Actual test distance.

5.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)

b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)

c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).

e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)

h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)

i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW	1 MHz / 3 MHz for PK value
(Emission in restricted band)	1 MHz / 1/T Hz for AVG value

Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD
No deviation.

5.4 TEST SETUP

9 kHz to 30 MHz

Absorbers

3 m

EUT

0.8 m

1 m

Ground Plane

Receiver

30 MHz to 1 GHz

Absorbers

3 m

1-4 m

EUT

0.8 m

1 m

Ground Plane

Receiver   Amp.
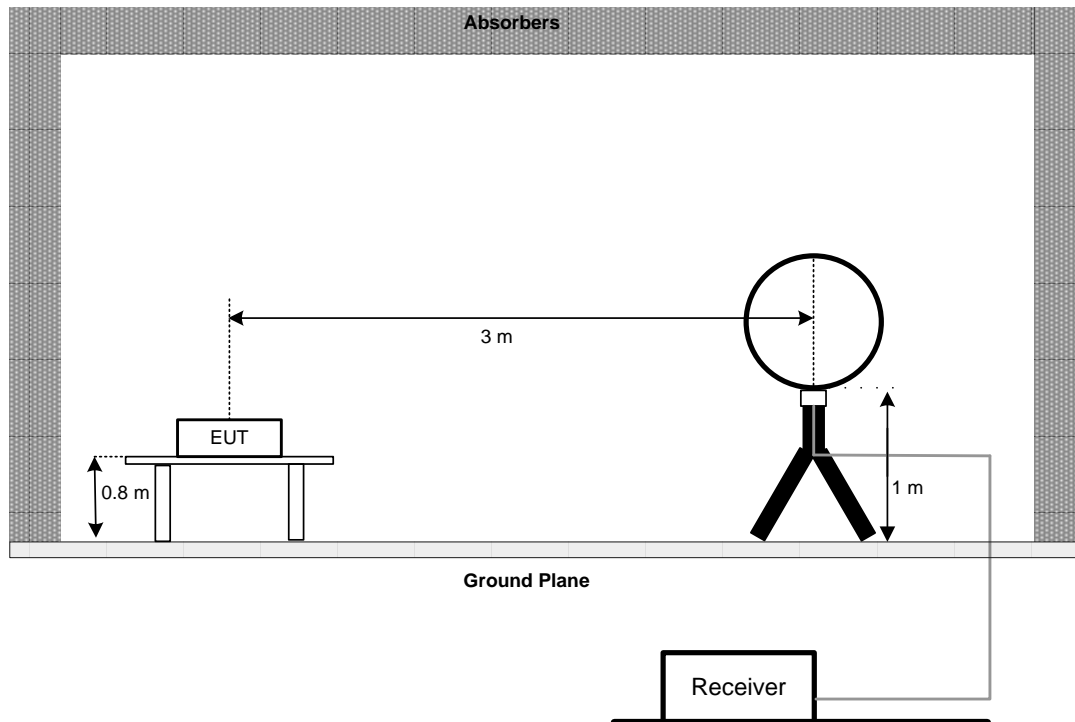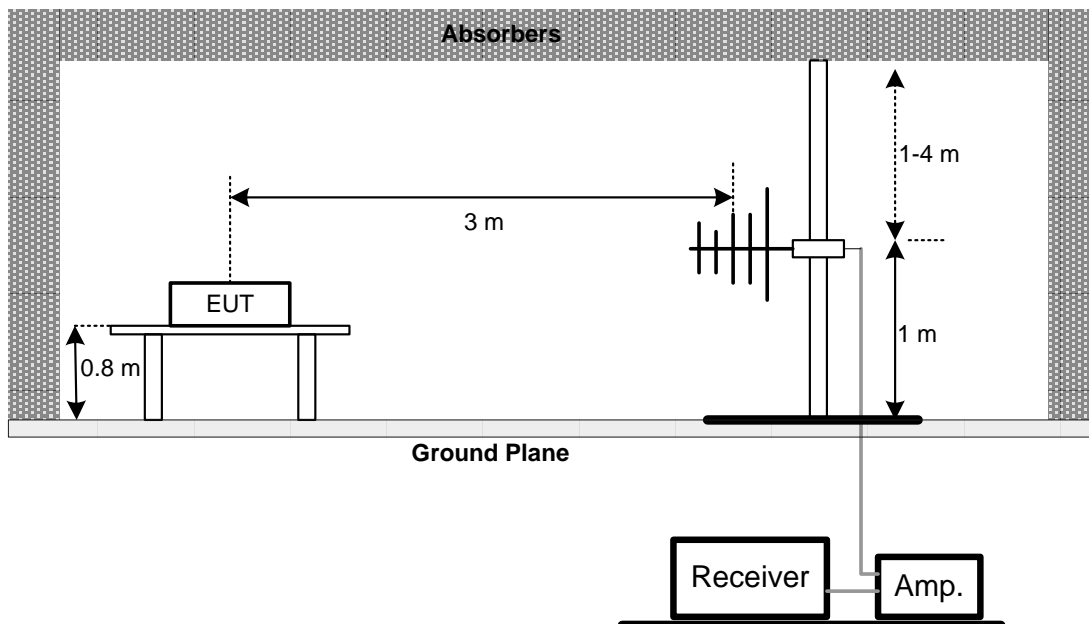
Above 1 GHz
Band edge & Harmonic(1 GHz to 18 GHz)

Absorbers

3 m

EUT

1.5 m

Absorbers   0.3 m

1-4 m

1 m

Ground Plane

Receiver   Amp.

Harmonic(18 GHz to 26.5 GHz)

Absorbers

1 m

EUT

1.5 m

1-4 m

1 m

Ground Plane

Receiver   Amp.
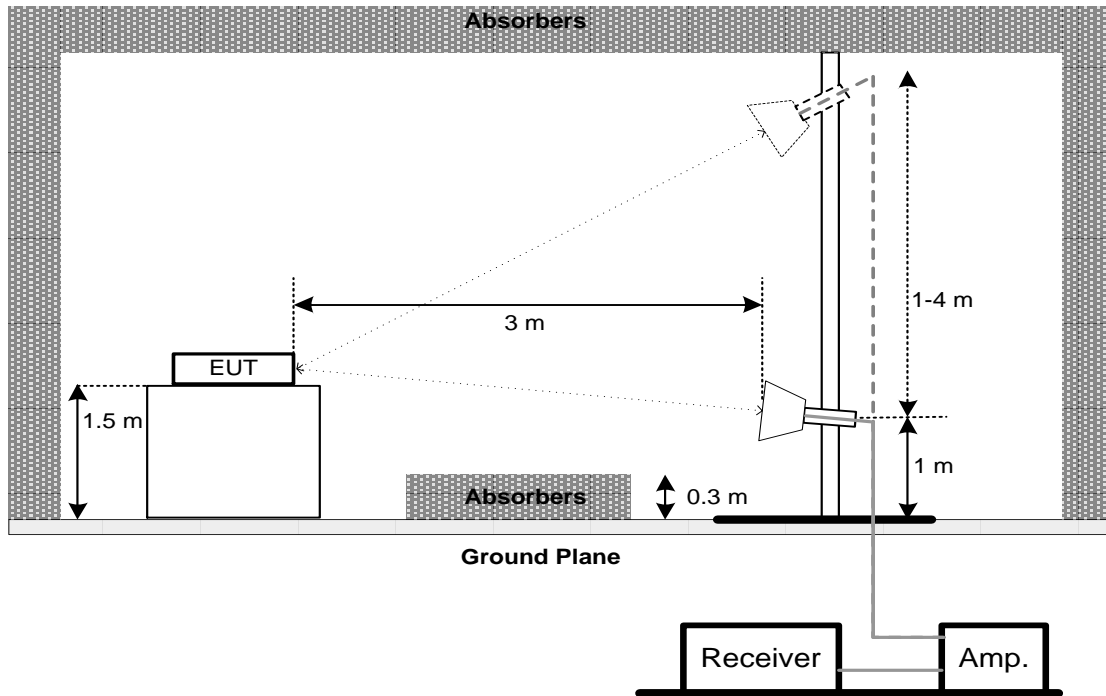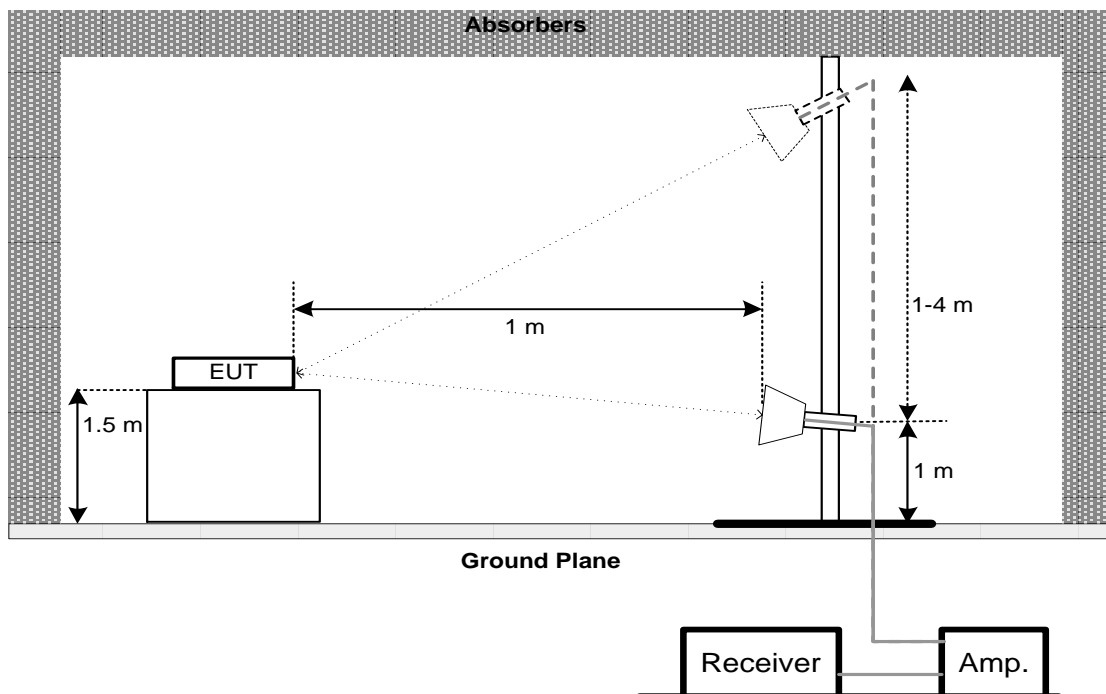
5.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ
Please refer to the APPENDIX B.

Remark:

  (1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
  (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ
Please refer to the APPENDIX C.

5.8 TEST RESULTS - ABOVE 1000 MHZ
Please refer to the APPENDIX D.

Remark:

  (1) No limit: This is fundamental signal, the judgment is not applicable.
     For fundamental signal judgment was referred to Peak output test.

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit
FCC 15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	99% Emission Bandwidth	-

6.2 TEST PROCEDURE
  a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
  b. The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

Spectrum Parameters	Setting
Span Frequency	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span Frequency	Between 1.5 times and 5.0 times the OBW
RBW	300 kHz For 20MHz 1 MHz For 40MHz
VBW	1 MHz For 20MHz 3 MHz For 40MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM STANDARD
 No deviation.

6.4 TEST SETUP
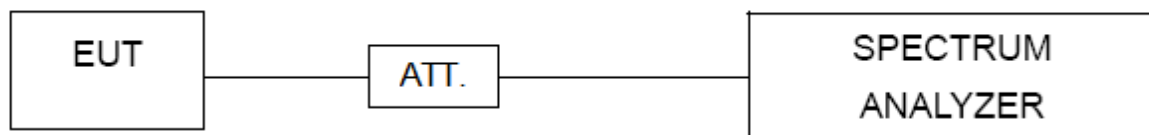
6.5 EUT OPERATION CONDITIONS
 The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS
 Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit
FCC 15.247(b)(3)	Maximum Output Power	1.0000 Watt or 30.00 dBm

7.2 TEST PROCEDURE
a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

7.3 DEVIATION FROM STANDARD
No deviation.

7.4 TEST SETUP
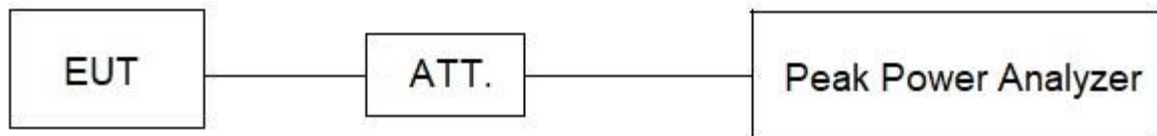
7.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS
Please refer to the APPENDIX F.

8. CONDUCTED SPURIOUS EMISSIONS

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

8.2 TEST PROCEDURE
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD
No deviation.

8.4 TEST SETUP

8.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS
Please refer to the APPENDIX G.

9. POWER SPECTRAL DENSITY

9.1 LIMIT

Section	Test Item	Limit
FCC 15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

9.2 TEST PROCEDURE
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	25 MHz (20 MHz) / 60 MHz (40 MHz)
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

9.3 DEVIATION FROM STANDARD
No deviation.

9.4 TEST SETUP
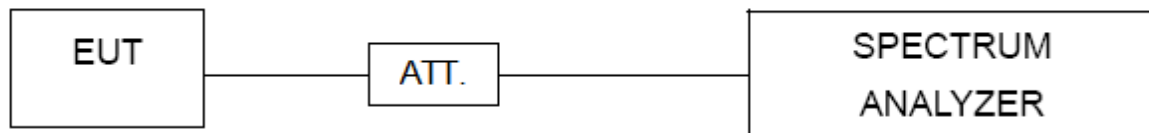
9.5 EUT OPERATION CONDITIONS
The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS
Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 01, 2026
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 06, 2025
3	Cable	N/A	RW4950-3.8A-NMSM-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8M	N/A	Nov. 12, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 14, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 14, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 31, 2025
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jun. 06, 2025
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jun. 06, 2025
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jun. 06, 2025
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - 1 GHz to 18GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	966 Chamber room	CM	9*6*6	N/A	Dec. 28, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMSM-12.5M	N/A	Jul. 03, 2025
5	Cable	RegalWay	RWLP50-4.0A-NMRASM-2.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NMRASMRA-0.8M	N/A	Jul. 03, 2025
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 02, 2026
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 29, 2025
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9912	N/A	May 31, 2025

Radiated Emissions - Above 18 GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Aug. 20, 2025
2	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025
3	Cable	RegalWay	RWLP50-2.6A-2.92M2.92M-1.1M	N/A	Jul. 25, 2025
4	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 25, 2025
5	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 16, 2025
6	966 Chamber room	CM	9*6*6	N/A	Dec. 28, 2025
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth & Conducted Spurious Emissions & Power Spectral Density

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2025
5	CTA	BTL	CTA	N/A	N/A

Maximum Output Power

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

11. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

9 kHz to 30 MHz
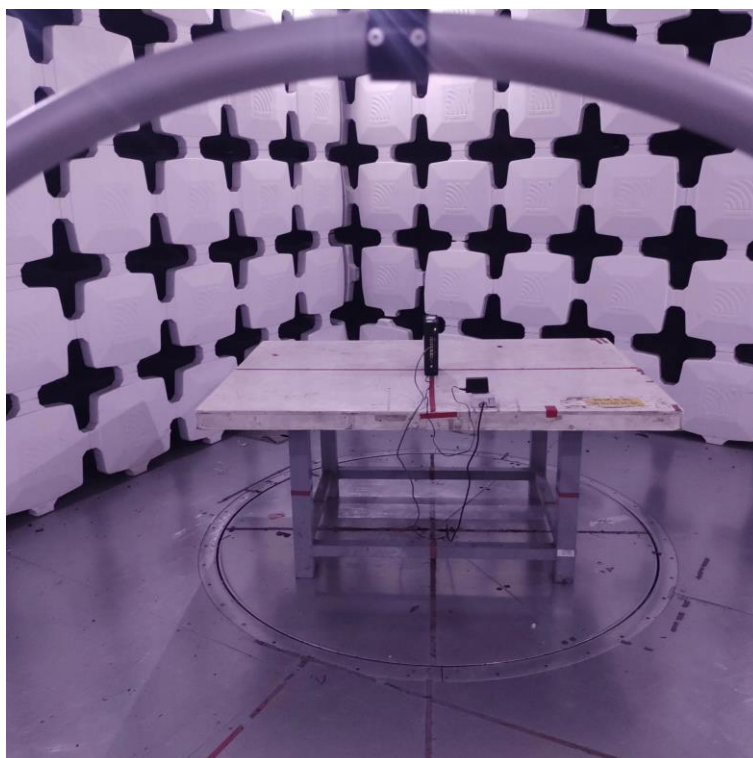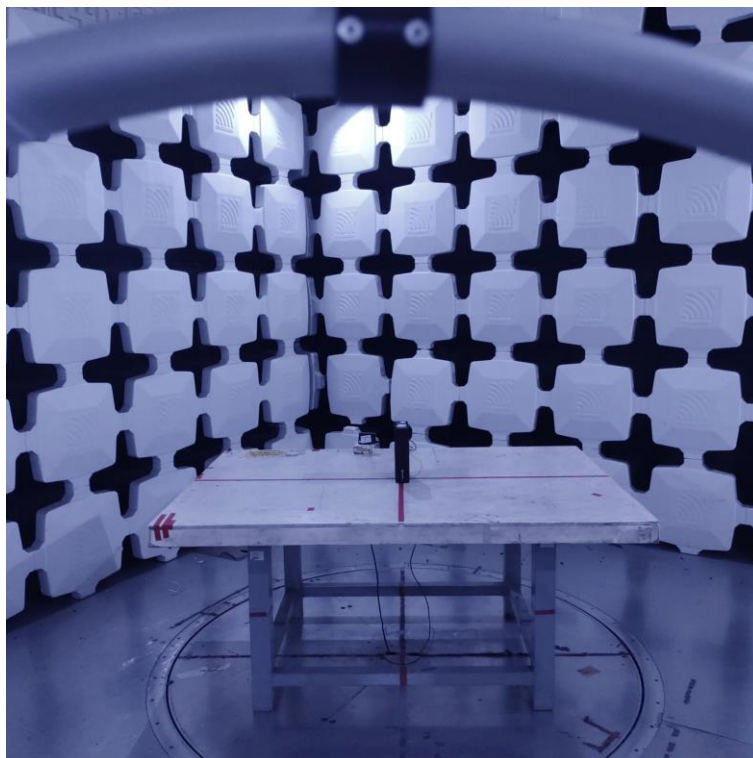
Radiated Emissions Test Photos

30 MHz to 1 GHz
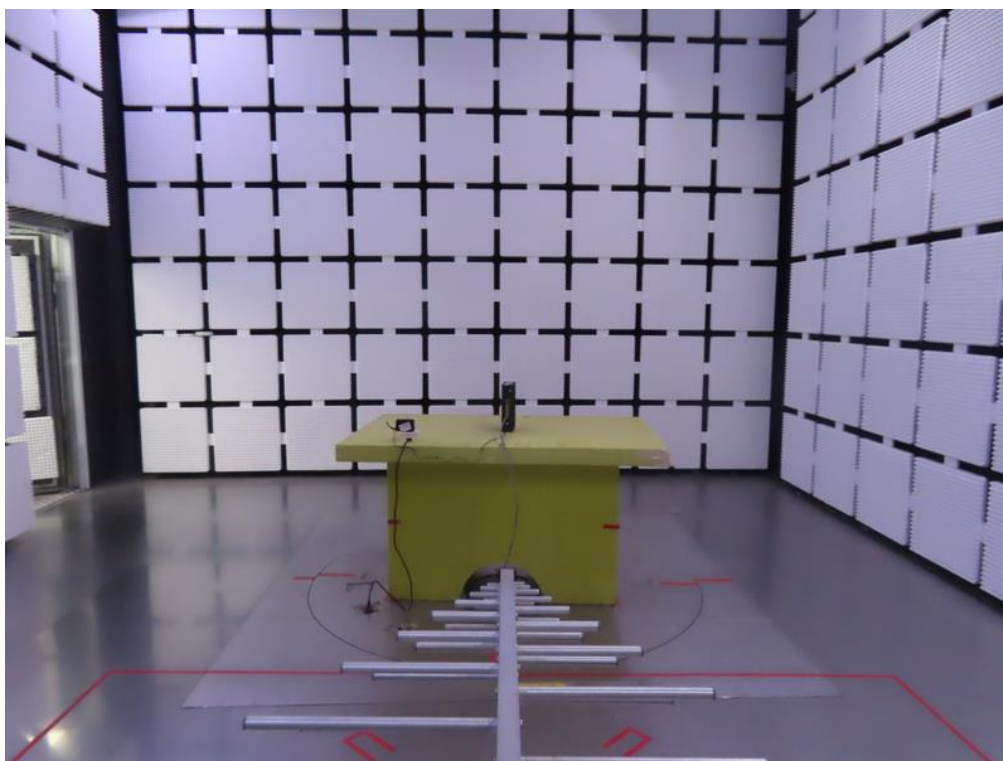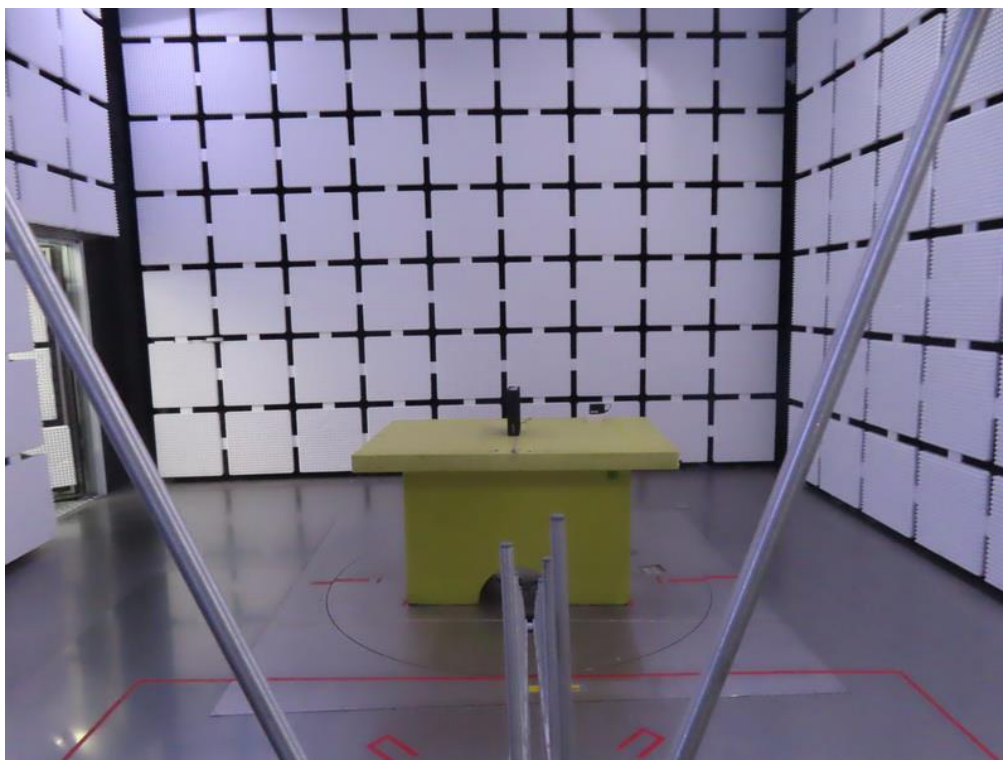
Radiated Emissions Test Photos

Band edge & Harmonic(1 GHz to 18 GHz)
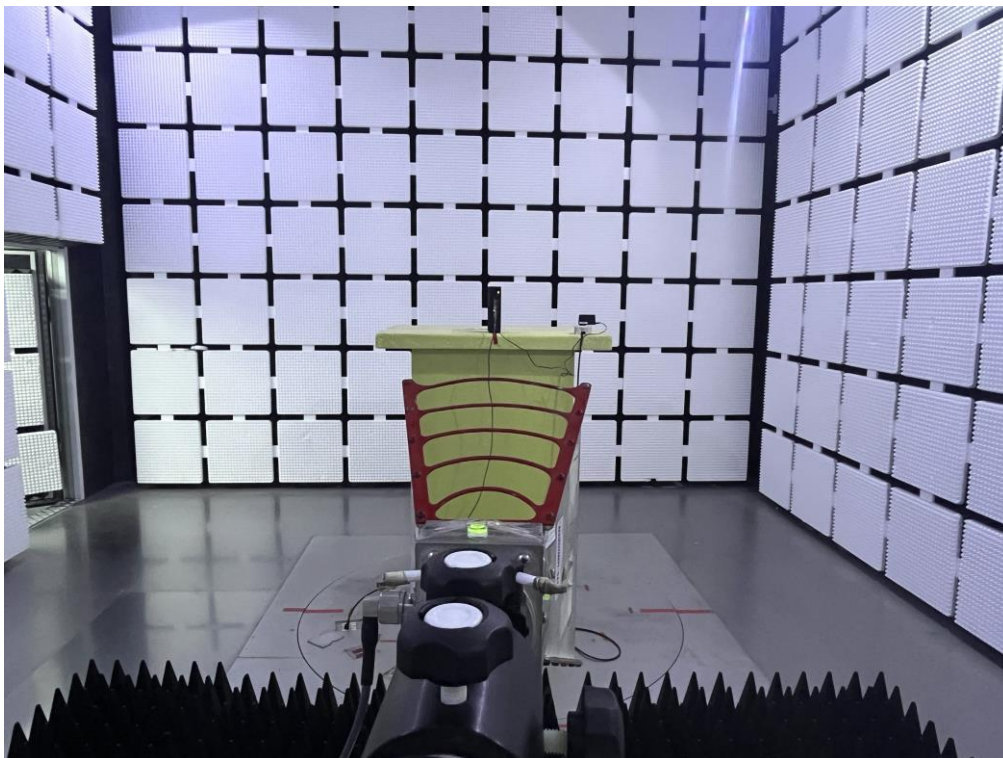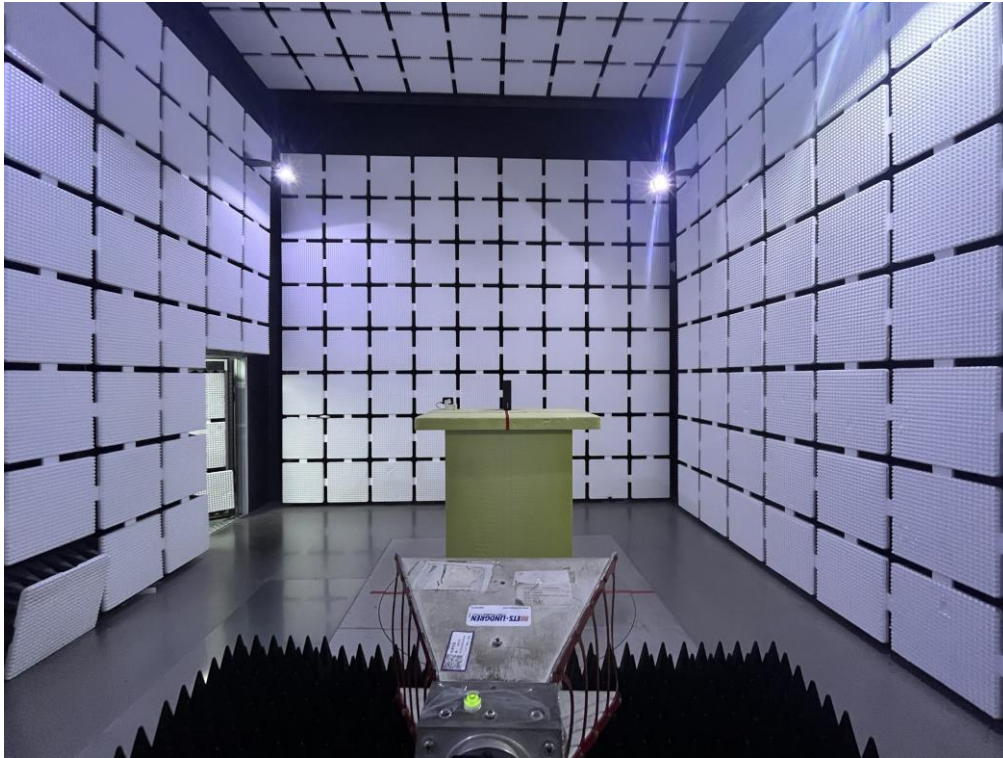
Radiated Emissions Test Photos

Harmonic(18 GHz to 26.5 GHz)
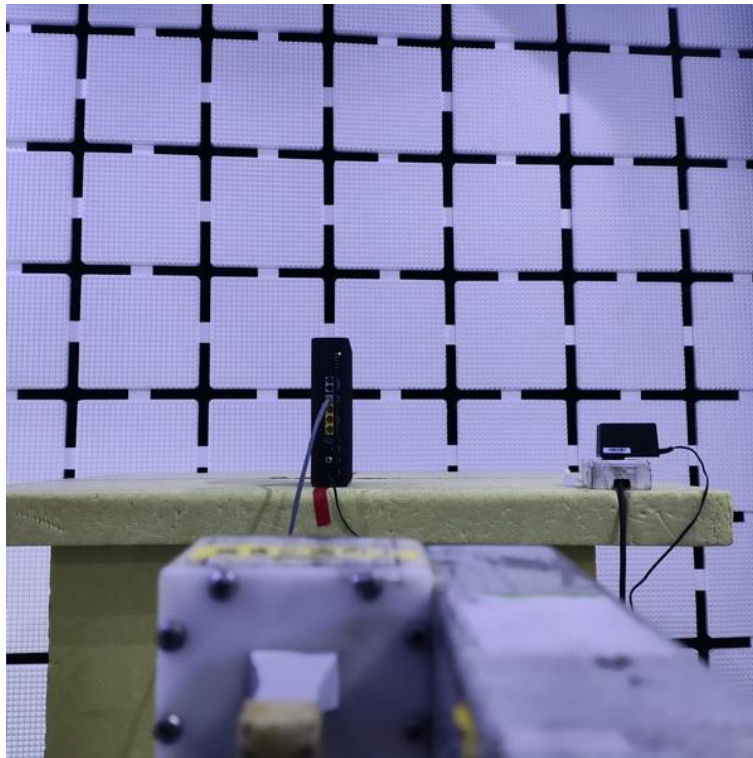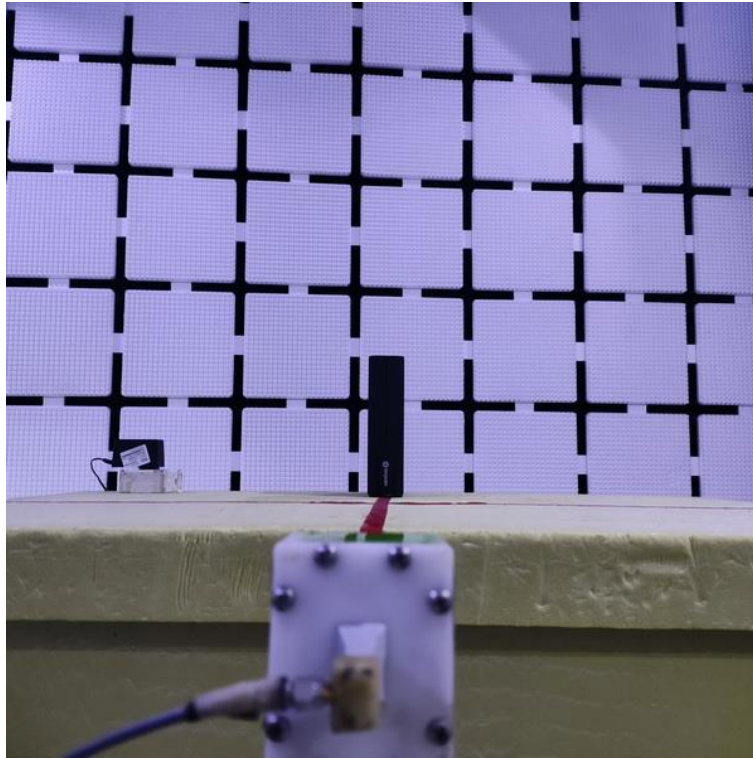
Conducted Test Photos
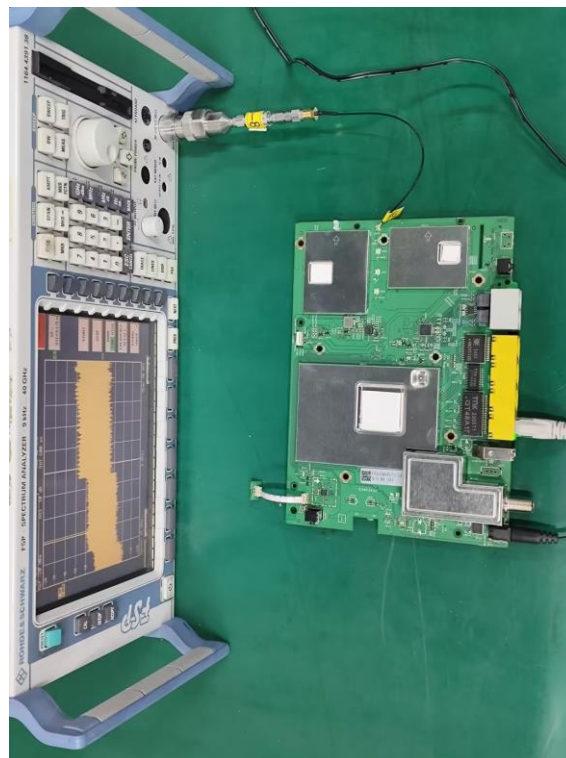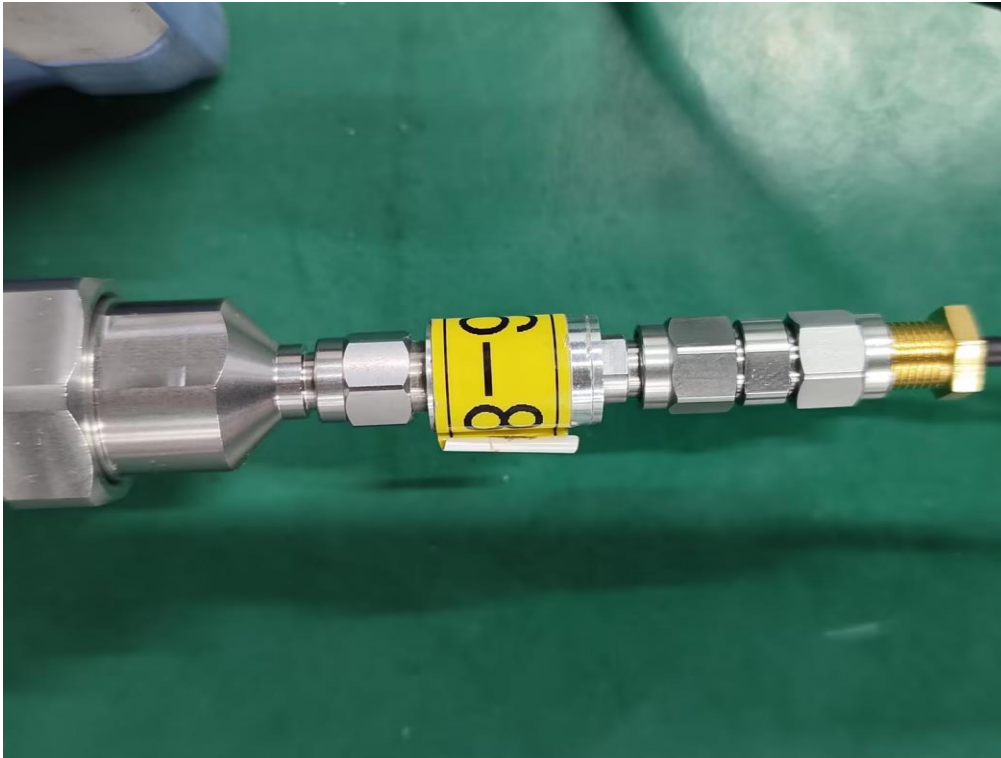
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX G Mode Channel 06	Phase	Line
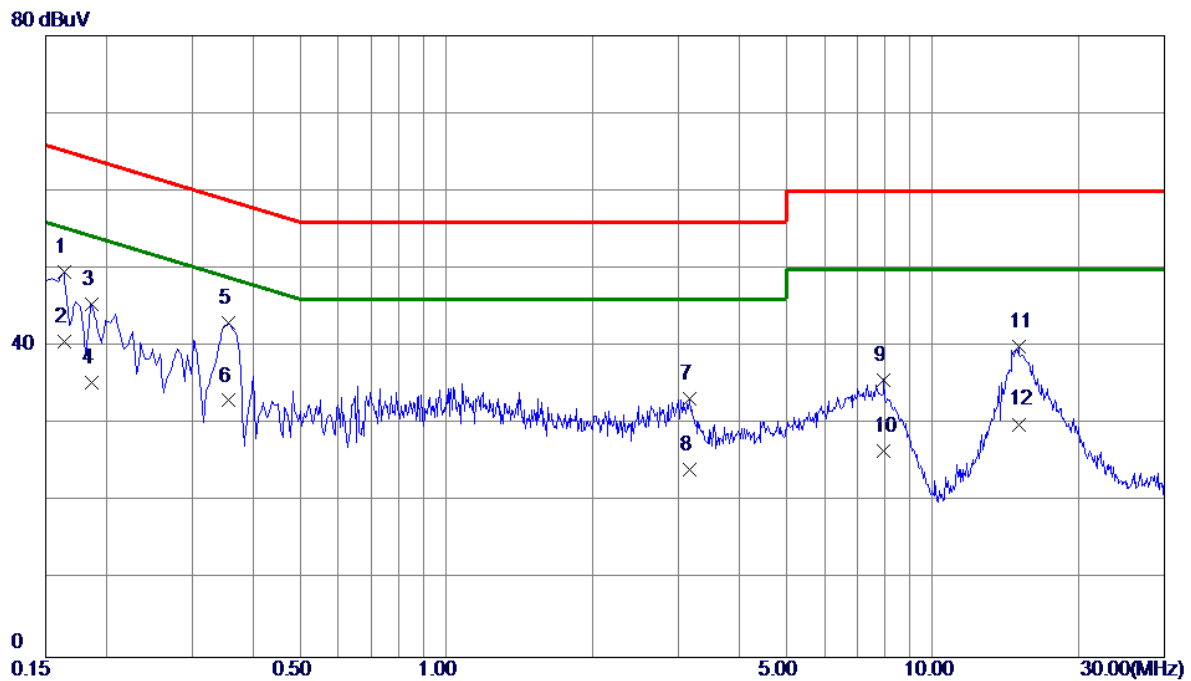
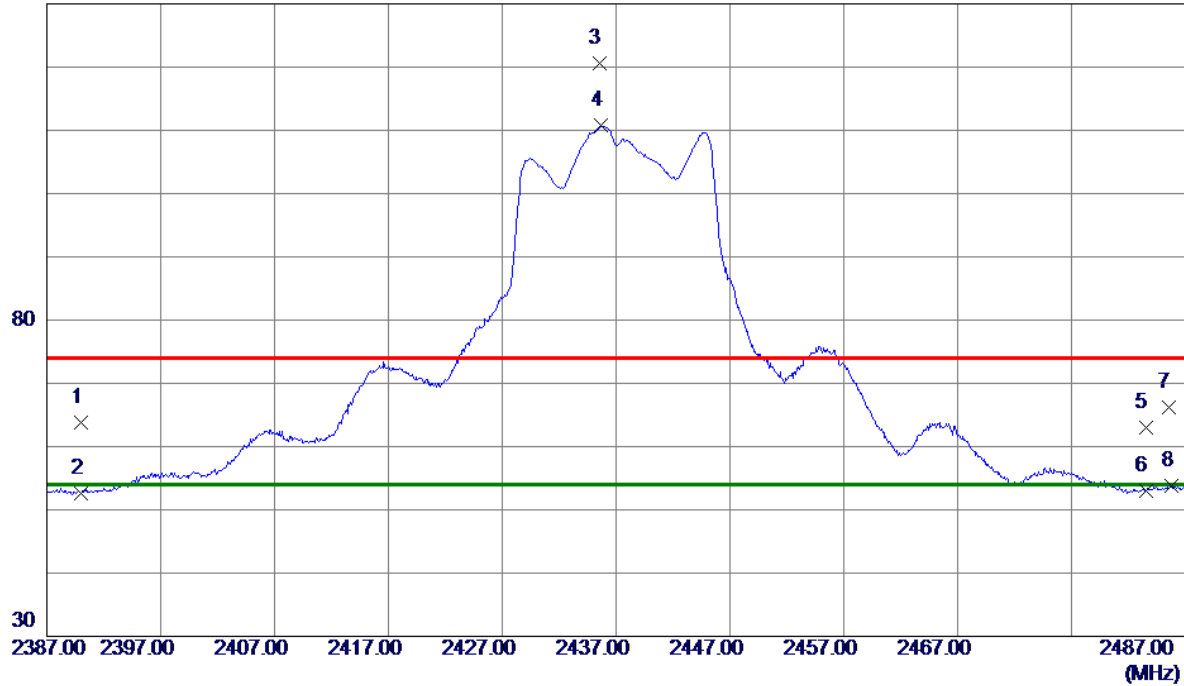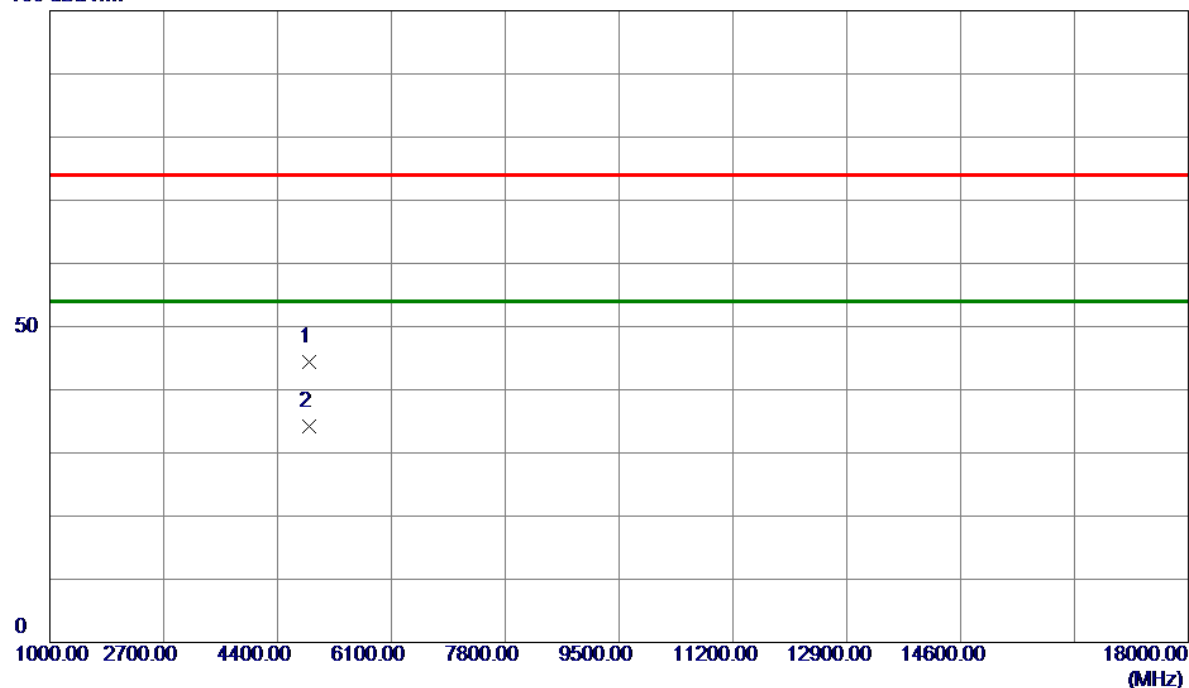| No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1635	39.70	9.92	49.62	65.28	−15.66	QP	
2 *	0.1635	30.70	9.92	40.62	55.28	−14.66	AVG	
3	0.1860	35.51	9.91	45.42	64.21	−18.79	QP	
4	0.1860	25.50	9.91	35.41	54.21	−18.80	AVG	
5	0.3570	33.07	9.94	43.01	58.80	−15.79	QP	
6	0.3570	23.10	9.94	33.04	48.80	−15.76	AVG	
7	3.1695	22.85	10.38	33.23	56.00	−22.77	QP	
8	3.1695	13.81	10.38	24.19	46.00	−21.81	AVG	
9	7.9530	24.35	11.41	35.76	60.00	−24.24	QP	
10	7.9530	15.20	11.41	26.61	50.00	−23.39	AVG	
11	15.0225	26.34	13.70	40.04	60.00	−19.96	QP	
12	15.0225	16.30	13.70	30.00	50.00	−20.00	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Phase	Neutral
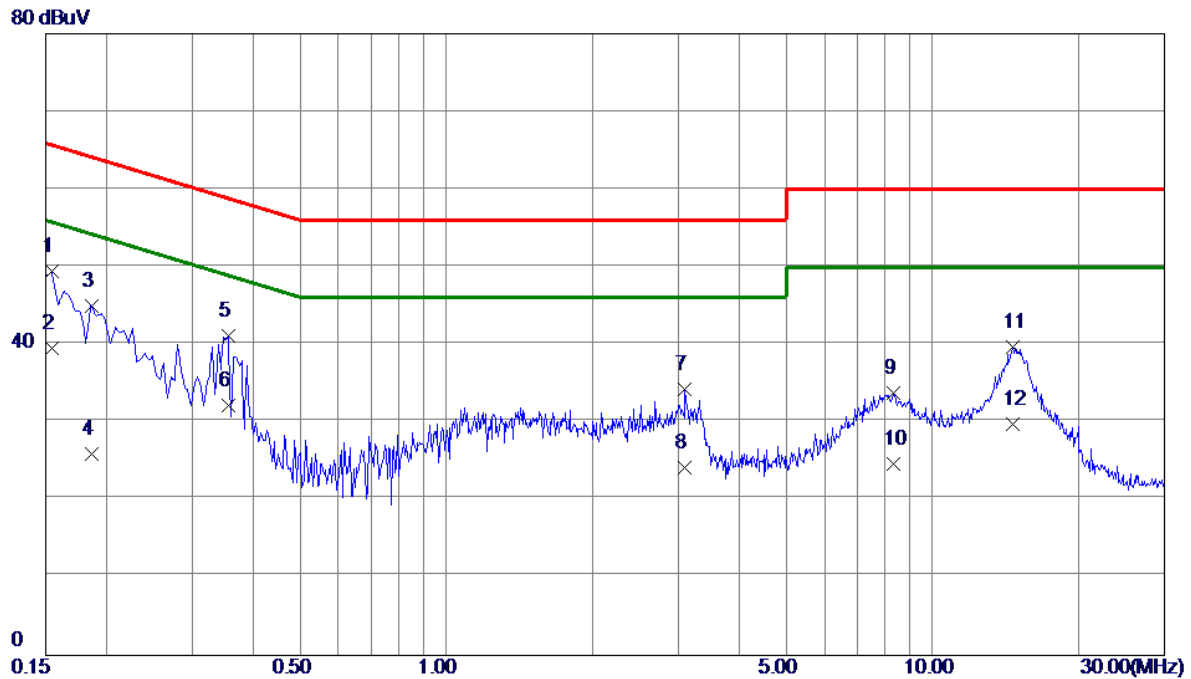
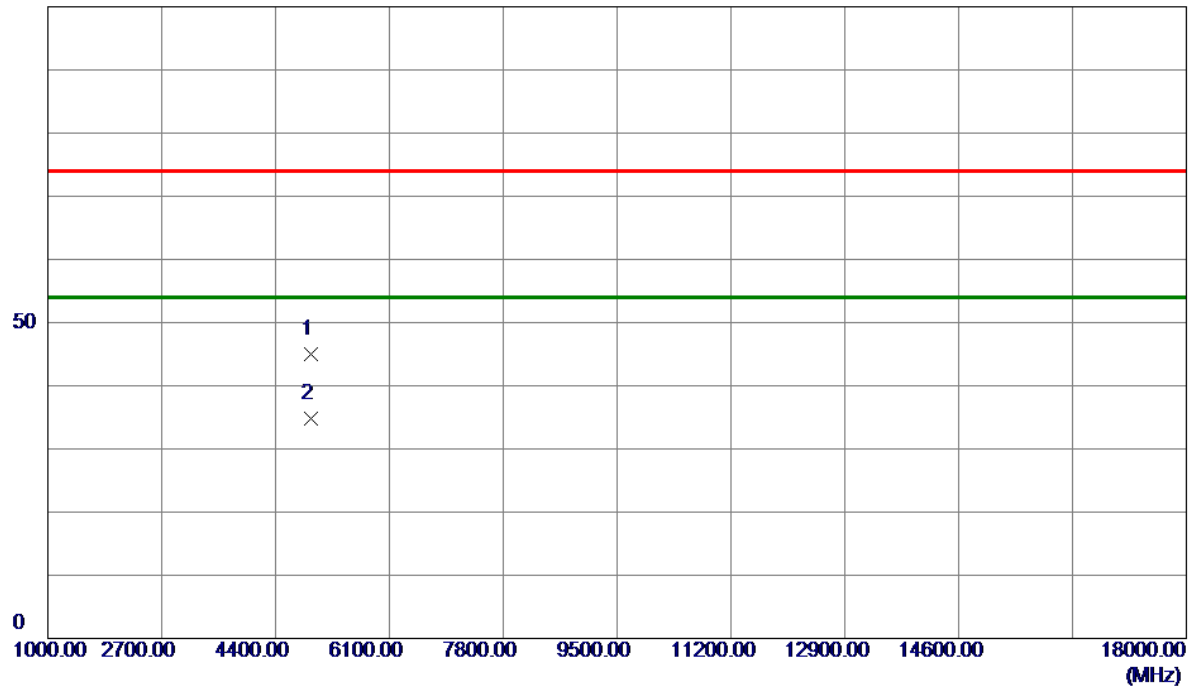| No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1545	39.45	9.97	49.42	65.75	-16.33	QP	
2 *	0.1545	29.51	9.97	39.48	55.75	-16.27	AVG	
3	0.1860	34.99	9.97	44.96	64.21	-19.25	QP	
4	0.1860	15.90	9.97	25.87	54.21	-28.34	AVG	
5	0.3570	31.09	9.99	41.08	58.80	-17.72	QP	
6	0.3570	22.10	9.99	32.09	48.80	-16.71	AVG	
7	3.0975	23.82	10.41	34.23	56.00	-21.77	QP	
8	3.0975	13.79	10.41	24.20	46.00	-21.80	AVG	
9	8.3040	22.21	11.51	33.72	60.00	-26.28	QP	
10	8.3040	13.19	11.51	24.70	50.00	-25.30	AVG	
11	14.6445	26.24	13.48	39.72	60.00	-20.28	QP	
12	14.6445	16.21	13.48	29.69	50.00	-20.31	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX G Mode Channel 06	Polarization	Ant 0°
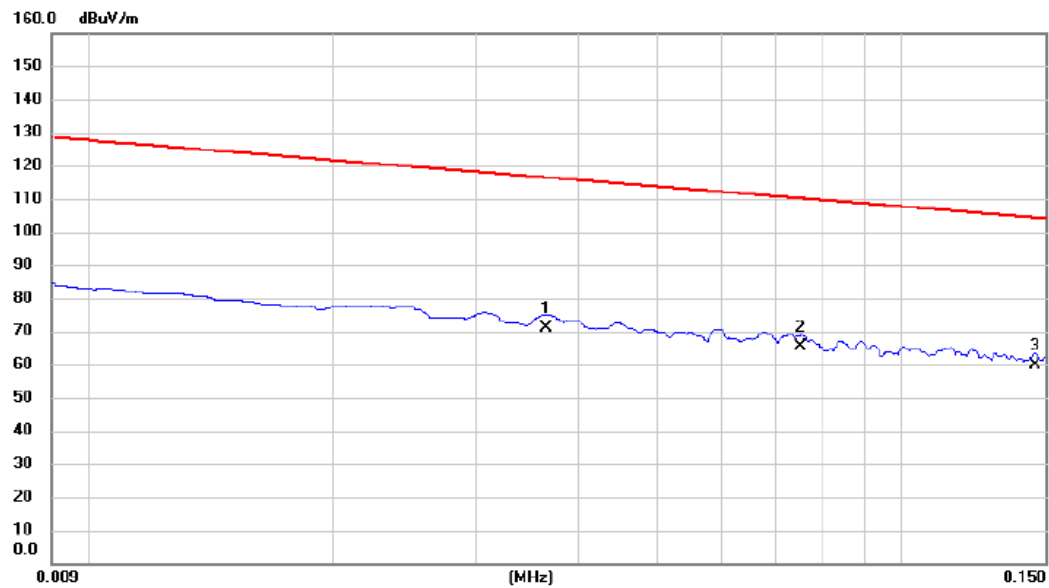
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0366	49.68	21.27	70.95	116.34	-45.39	AVG	
2		0.0752	43.91	21.34	65.25	110.08	-44.83	AVG	
3	*	0.1457	38.49	21.27	59.76	104.34	-44.58	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Ant 0°
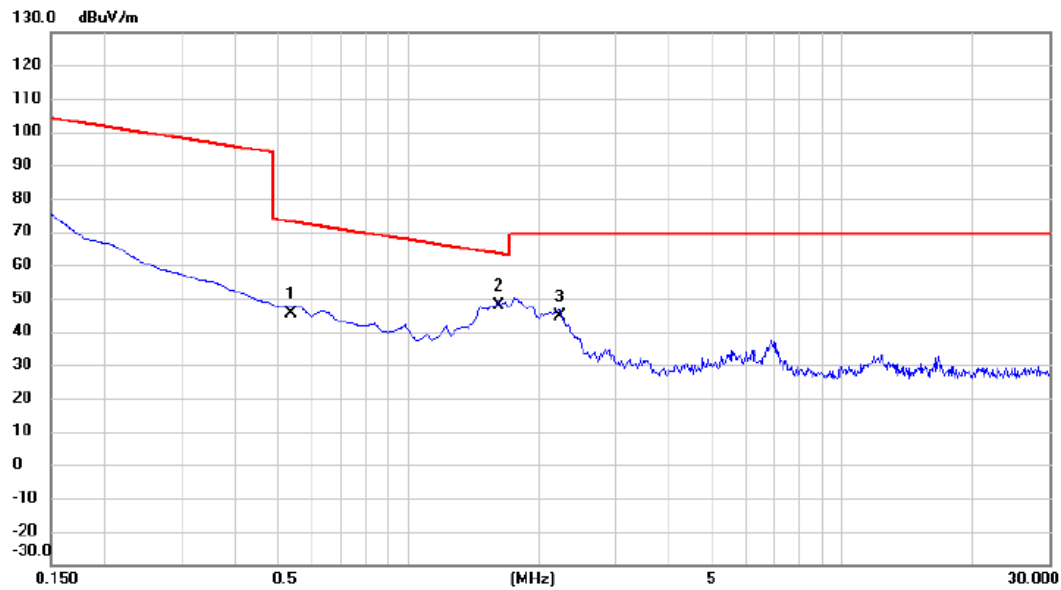
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.5381	24.15	21.16	45.31	72.99	-27.68	QP	
2	*	1.6126	26.45	21.21	47.66	63.45	-15.79	QP	
3		2.2395	23.33	21.22	44.55	69.54	-24.99	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Ant 90°
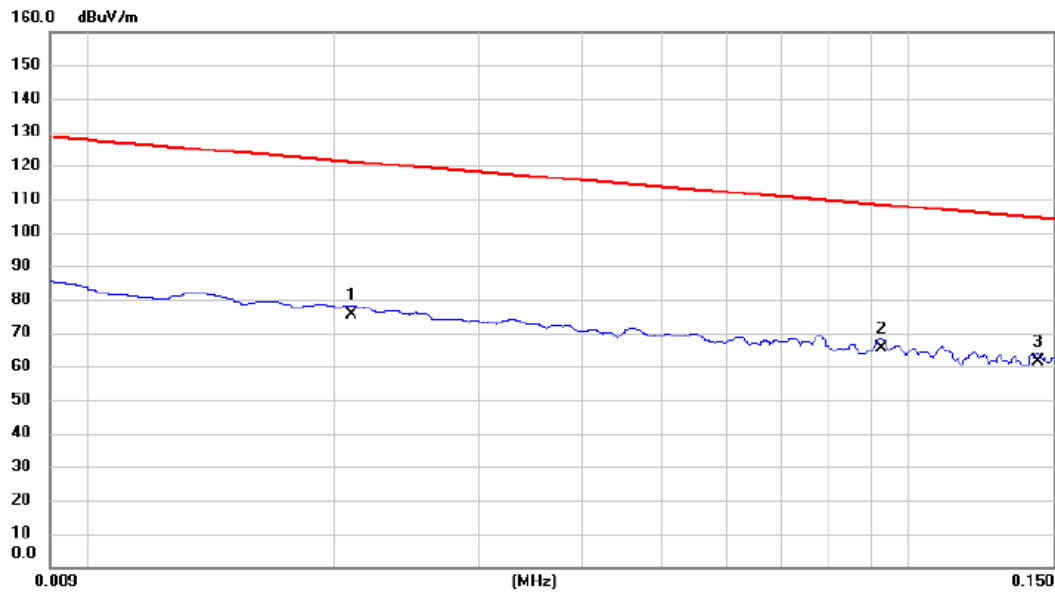
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0210	54.32	21.10	75.42	121.16	-45.74	AVG	
2	*	0.0925	44.18	21.34	65.52	108.28	-42.76	QP	
3		0.1435	40.22	21.27	61.49	104.47	-42.98	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Ant 90°
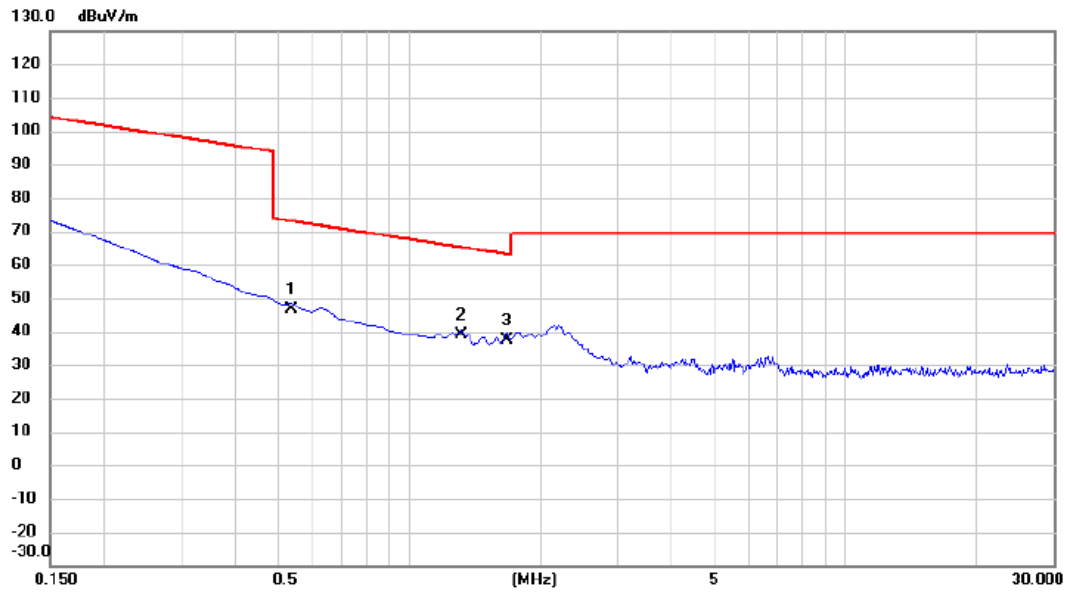
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.5381	25.48	21.16	46.64	72.99	-26.35	QP	
2		1.3141	17.98	21.20	39.18	65.23	-26.05	QP	
3	*	1.6724	16.16	21.21	37.37	63.14	-25.77	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX G Mode Channel 06	Polarization	Vertical
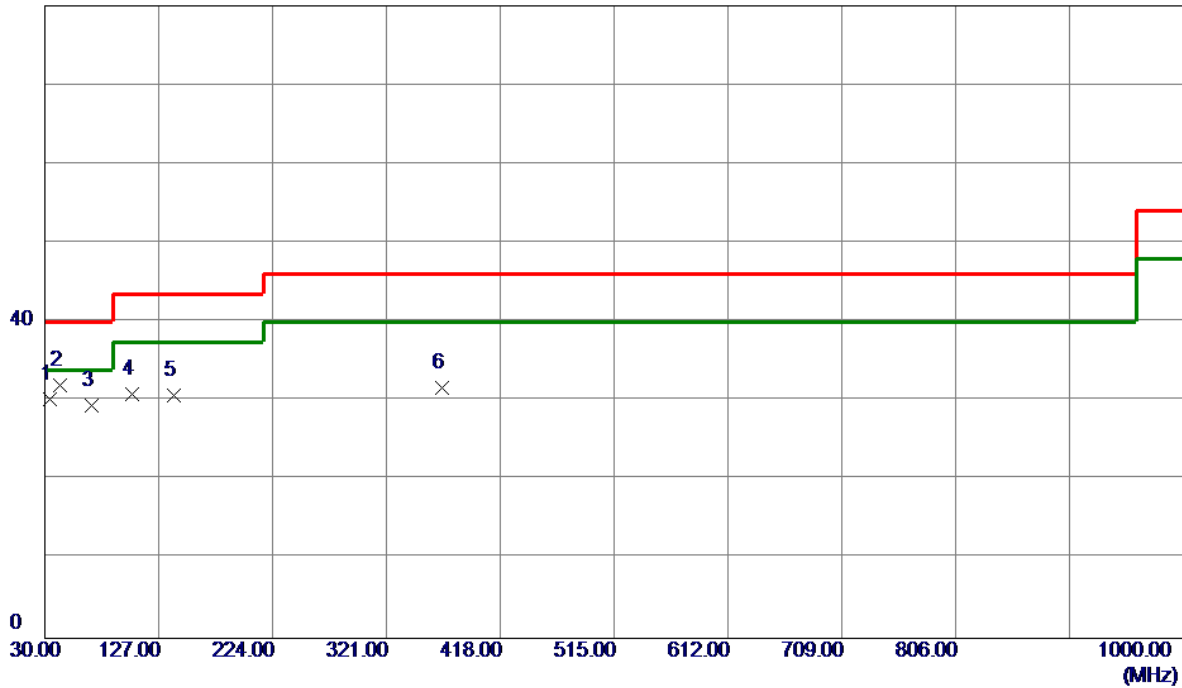
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	42.76	-12.51	30.25	40.00	-9.75	Peak	
2 *	42.6100	43.59	-11.59	32.00	40.00	-8.00	Peak	
3	69.7699	42.62	-13.24	29.38	40.00	-10.62	Peak	
4	104.6900	45.96	-15.13	30.83	43.50	-12.67	Peak	
5	139.6100	42.48	-11.70	30.78	43.50	-12.72	Peak	
6	368.5300	40.47	-8.86	31.61	46.00	-14.39	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	33.8800	41.39	-12.51	28.88	40.00	-11.12		Peak	
2	68.8000	38.43	-13.09	25.34	40.00	-14.66		Peak	
3	142.5200	40.38	-11.52	28.86	43.50	-14.64		Peak	
4	368.5300	41.91	-8.86	33.05	46.00	-12.95		Peak	
5	600.3600	39.13	-3.66	35.47	46.00	-10.53		Peak	
6 *	874.8700	42.23	0.01	42.24	46.00	-3.76		Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
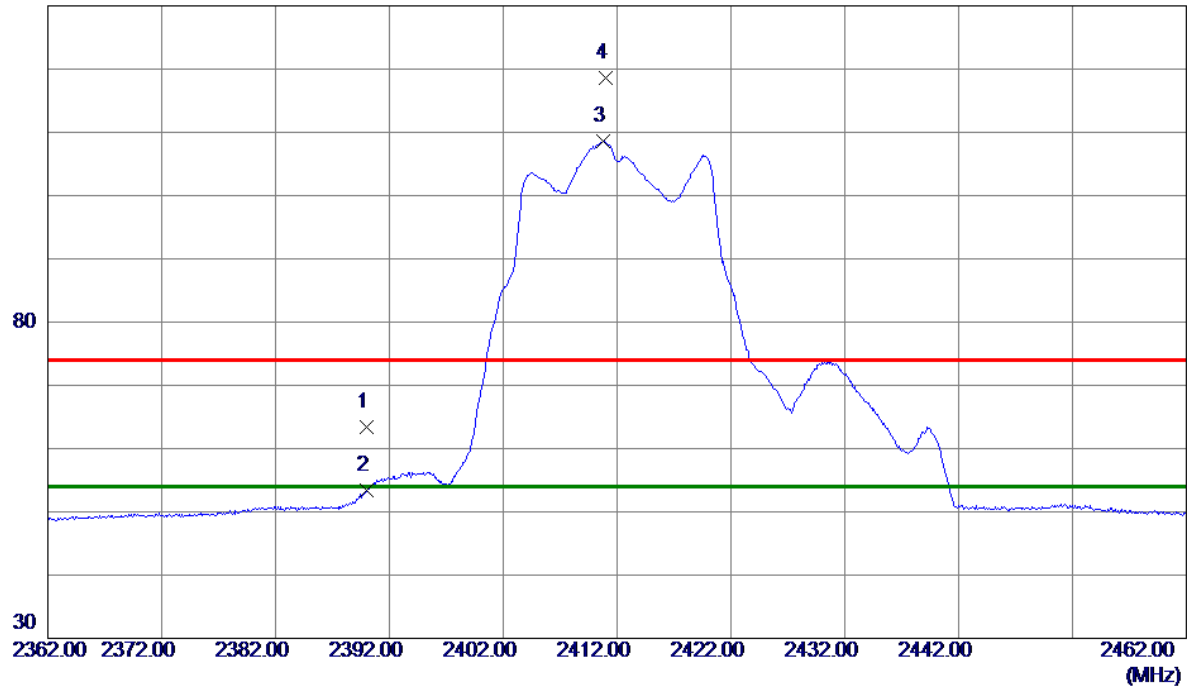
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1	2390.0000	55.44	7.95	63.39	74.00	−10.61		Peak	
2	2390.0000	45.52	7.95	53.47	54.00	−0.53		AVG	
3 *	2410.8000	100.57	8.00	108.57	54.00	54.57		AVG	No Limit
4	2411.0000	110.62	8.00	118.62	74.00	44.62		Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
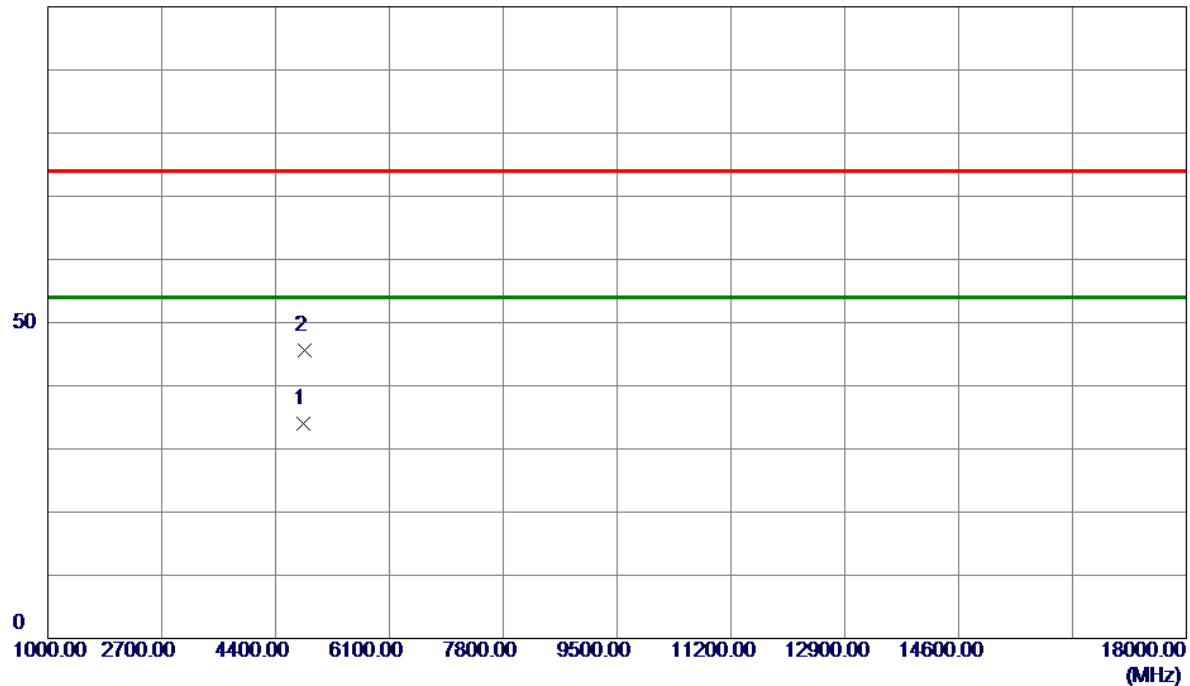
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.9000	29.56	4.50	34.06	54.00	-19.94	AVG	
2	4826.5000	41.18	4.51	45.69	74.00	-28.31	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	2390.0000	55.91	7.95	63.86	74.00	-10.14	Peak	
2	2390.0000	44.72	7.95	52.67	54.00	-1.33	AVG	
3	2435.5000	112.60	8.06	120.66	74.00	46.66	Peak	No Limit
4 *	2435.7000	102.66	8.06	110.72	54.00	56.72	AVG	No Limit
5	2483.5000	54.88	8.17	63.05	74.00	-10.95	Peak	
6	2483.5000	44.84	8.17	53.01	54.00	-0.99	AVG	
7	2485.5000	58.03	8.18	66.21	74.00	-7.79	Peak	
8	2485.8000	45.55	8.18	53.73	54.00	-0.27	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4875.3000	39.82	4.54	44.36	74.00	−29.64	Peak	
2 *	4875.5500	29.62	4.54	34.16	54.00	−19.84	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
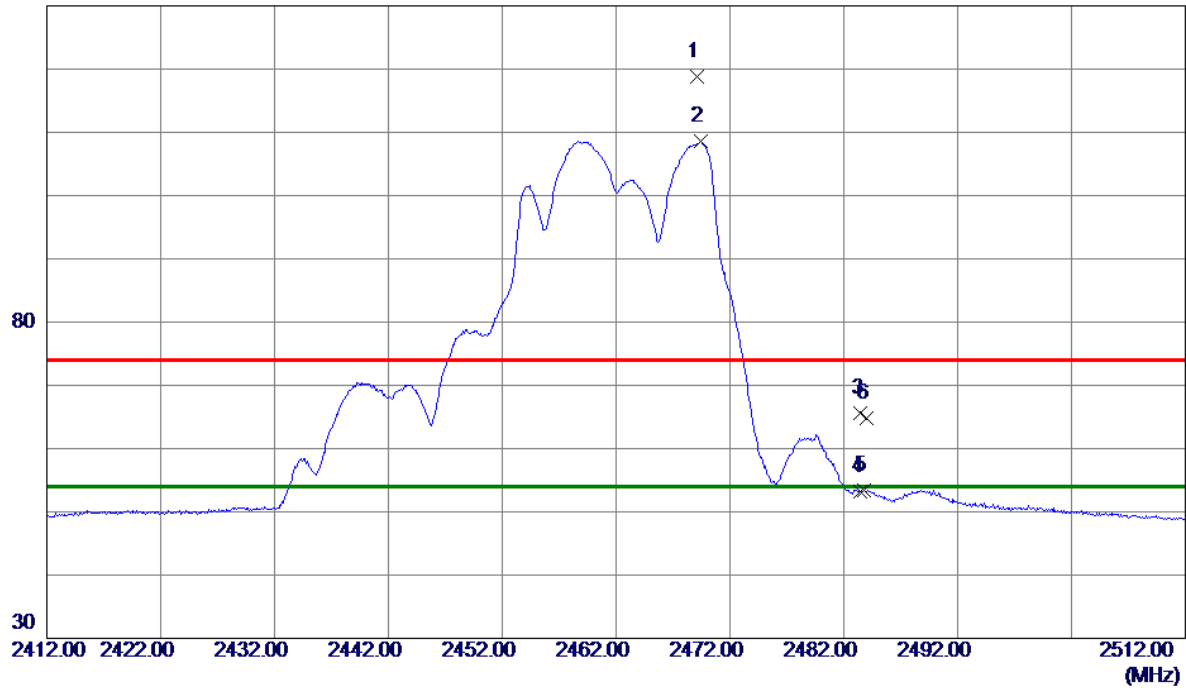
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	2469.1000	110.74	8.14	118.88	74.00	44.88	Peak	No Limit
2 *	2469.4000	100.45	8.14	108.59	54.00	54.59	AVG	No Limit
3	2483.5000	57.45	8.17	65.62	74.00	-8.38	Peak	
4	2483.5000	45.06	8.17	53.23	54.00	-0.77	AVG	
5	2483.8000	45.24	8.17	53.41	54.00	-0.59	AVG	
6	2484.0000	56.68	8.17	64.85	74.00	-9.15	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

| Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4925.4000	40.38	4.58	44.96	74.00	-29.04	Peak	
2 *	4925.5000	30.22	4.58	34.80	54.00	-19.20	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2412 MHz	Polarization	Vertical
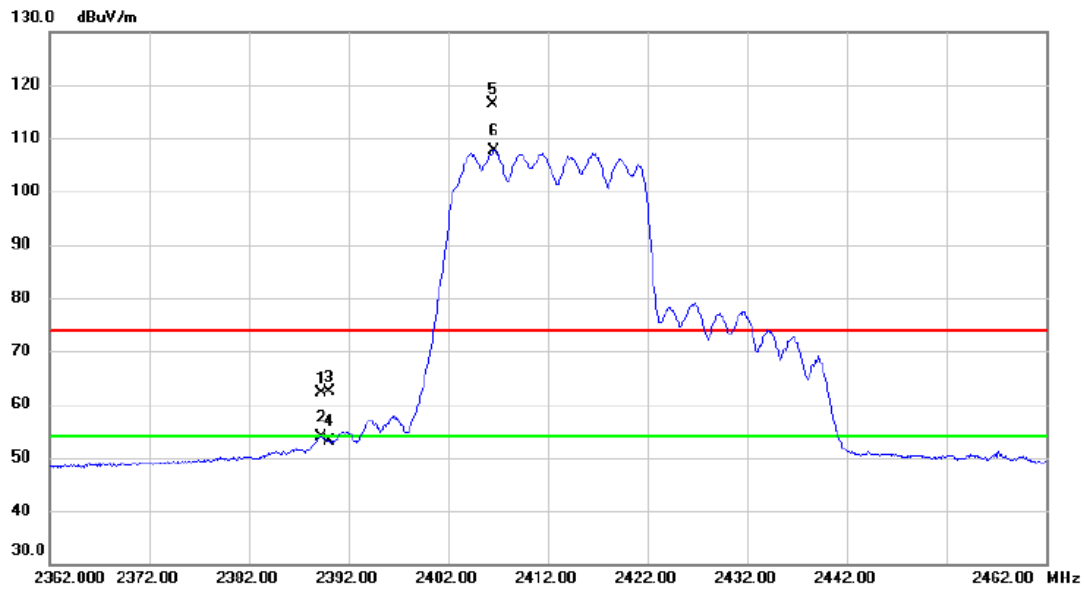
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure-ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.300	54.28	7.95	62.23	74.00	-11.77	peak	
2		2389.300	45.89	7.95	53.84	54.00	-0.16	AVG	
3		2390.000	54.51	7.95	62.46	74.00	-11.54	peak	
4		2390.000	45.25	7.95	53.20	54.00	-0.80	AVG	
5	X	2406.400	108.33	7.99	116.32	74.00	42.32	peak	No Limit
6	*	2406.600	99.59	7.99	107.58	54.00	53.58	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2412 MHz	Polarization	Horizontal
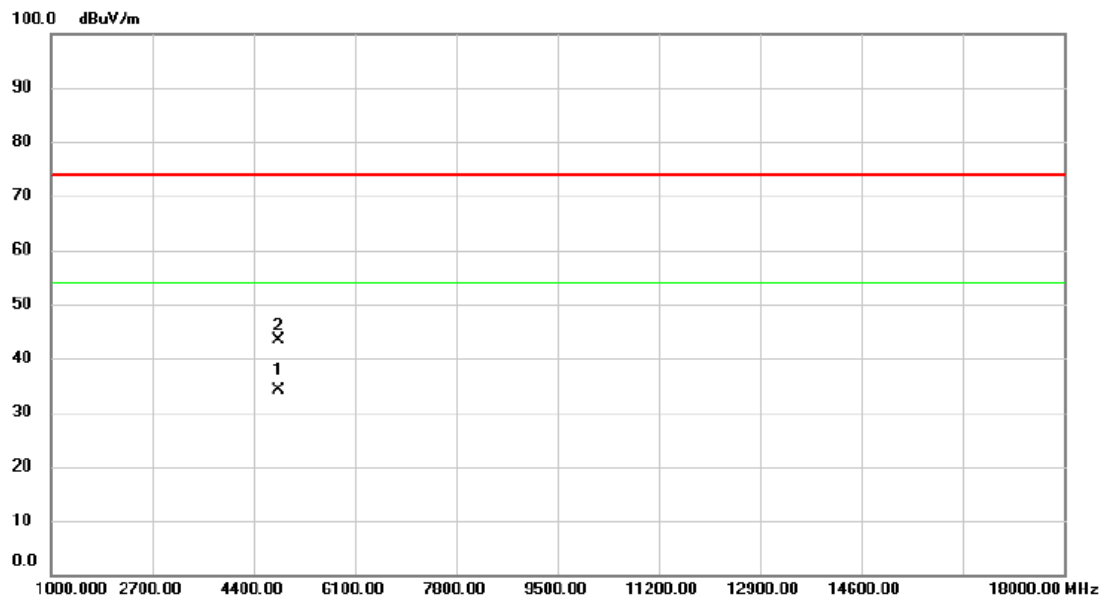
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.500	29.67	4.50	34.17	54.00	-19.83	AVG	
2		4825.200	38.98	4.51	43.49	74.00	-30.51	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2437 MHz	Polarization	Vertical
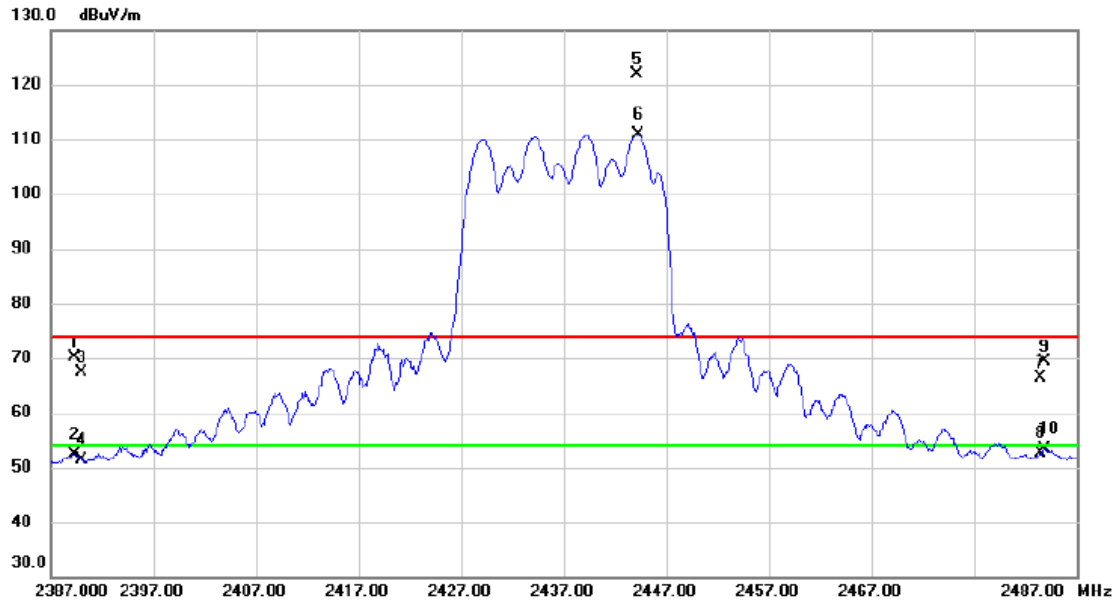
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure-ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.300	62.07	7.95	70.02	74.00	-3.98	peak	
2		2389.300	44.54	7.95	52.49	54.00	-1.51	AVG	
3		2390.000	59.50	7.95	67.45	74.00	-6.55	peak	
4		2390.000	43.37	7.95	51.32	54.00	-2.68	AVG	
5	X	2444.100	113.90	8.07	121.97	74.00	47.97	peak	No Limit
6	*	2444.300	102.87	8.07	110.94	54.00	56.94	AVG	No Limit
7		2483.500	58.13	8.17	66.30	74.00	-7.70	peak	
8		2483.500	44.43	8.17	52.60	54.00	-1.40	AVG	
9		2483.800	61.11	8.17	69.28	74.00	-4.72	peak	
10		2483.800	45.13	8.17	53.30	54.00	-0.70	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2437 MHz	Polarization	Horizontal
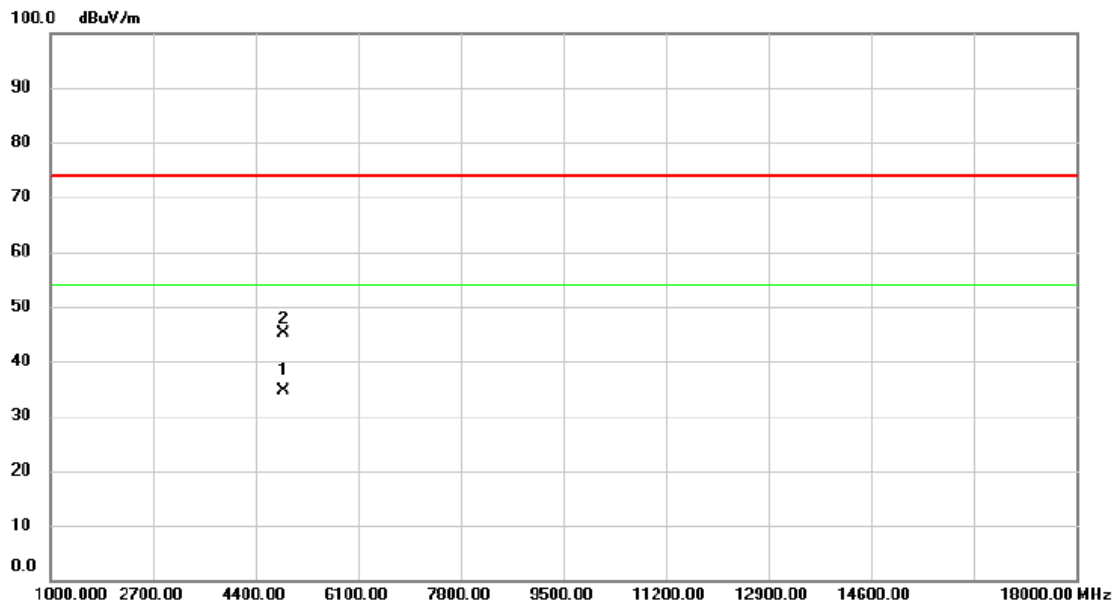
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4872.900	30.20	4.53	34.73	54.00	-19.27	AVG	
2		4875.300	40.68	4.55	45.23	74.00	-28.77	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2462 MHz	Polarization	Vertical
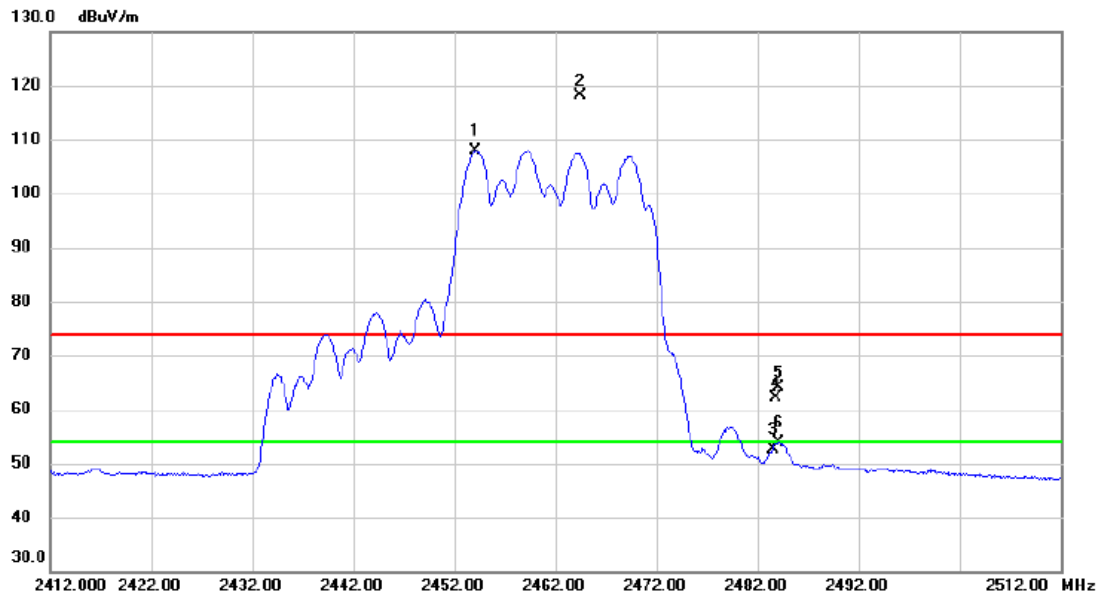
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2454.100	99.78	8.10	107.88	54.00	53.88	AVG	No Limit
2	X	2464.500	109.89	8.12	118.01	74.00	44.01	peak	No Limit
3		2483.500	44.38	8.17	52.55	54.00	-1.45	AVG	
4		2483.800	53.89	8.17	62.06	74.00	-11.94	peak	
5		2484.100	56.01	8.17	64.18	74.00	-9.82	peak	
6		2484.100	45.61	8.17	53.78	54.00	-0.22	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT20) Mode 2462 MHz	Polarization	Horizontal
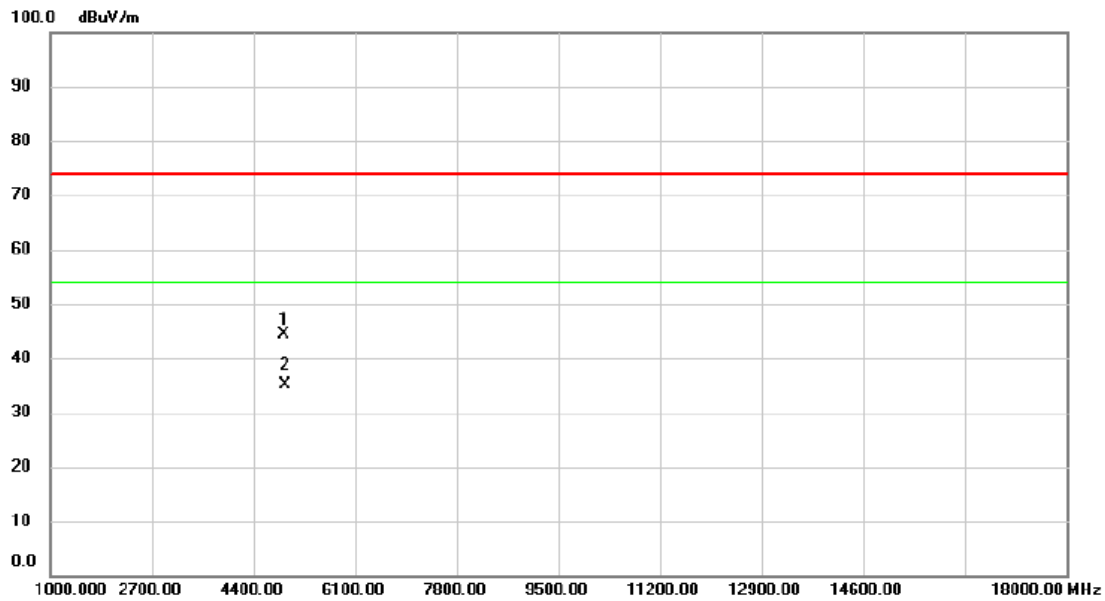
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure-ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4912.600	39.87	4.56	44.43	74.00	-29.57	peak	
2	*	4923.400	30.44	4.57	35.01	54.00	-18.99	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2422 MHz	Polarization	Vertical
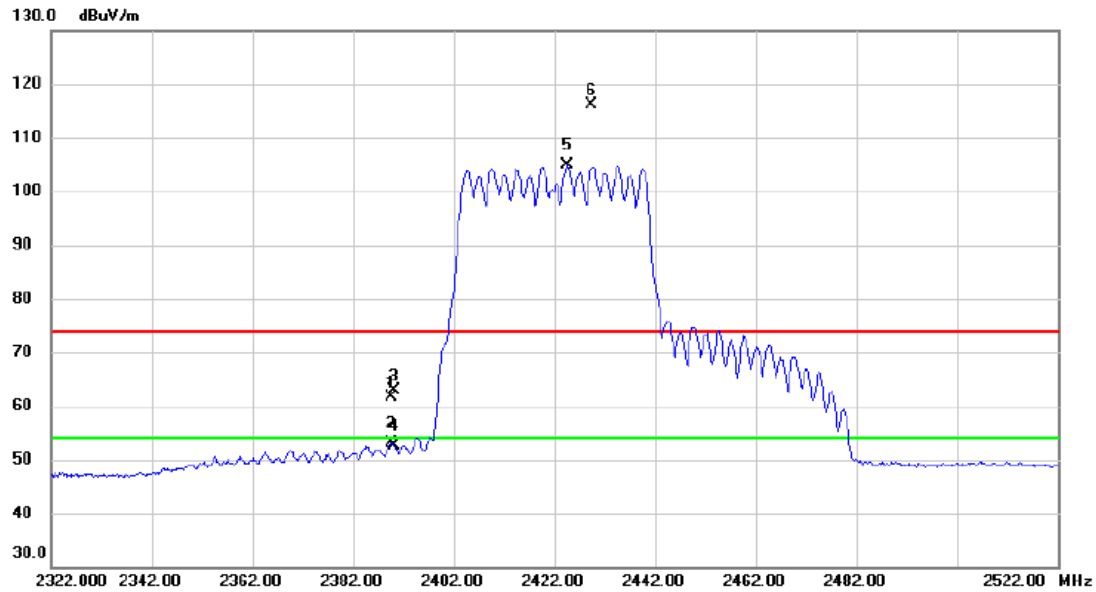
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2389.600	53.66	7.95	61.61	74.00	-12.39	peak	
2		2389.600	45.19	7.95	53.14	54.00	-0.86	AVG	
3		2390.000	54.99	7.95	62.94	74.00	-11.06	peak	
4		2390.000	44.74	7.95	52.69	54.00	-1.31	AVG	
5	*	2424.600	96.74	8.02	104.76	54.00	50.76	AVG	No Limit
6	X	2429.400	107.97	8.04	116.01	74.00	42.01	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2422 MHz	Polarization	Horizontal
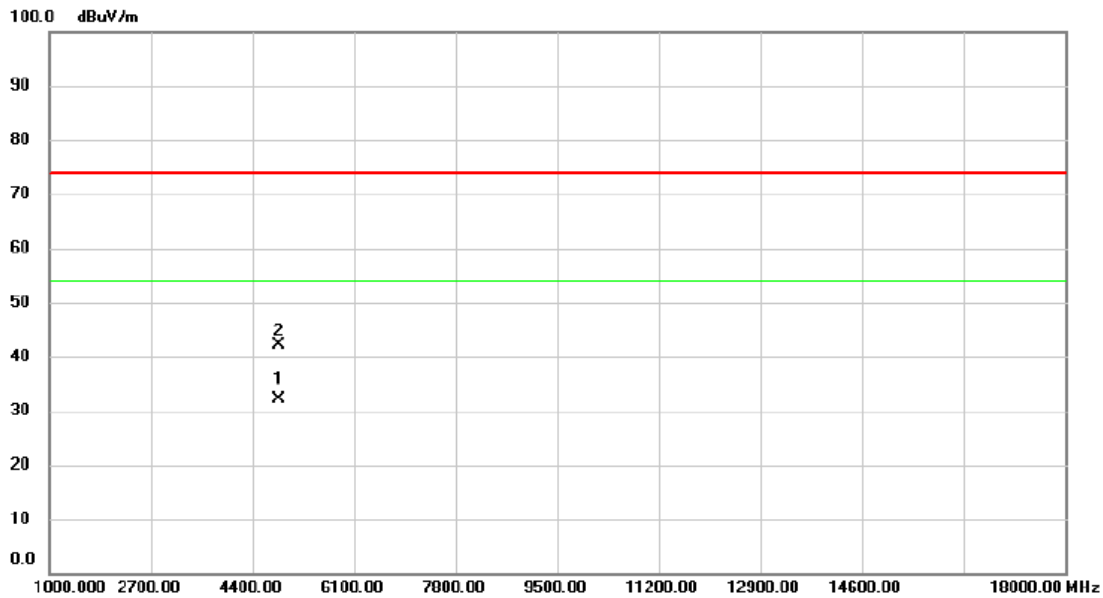
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4842.600	27.71	4.52	32.23	54.00	-21.77	AVG	
2		4847.800	37.52	4.52	42.04	74.00	-31.96	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2437 MHz	Polarization	Vertical
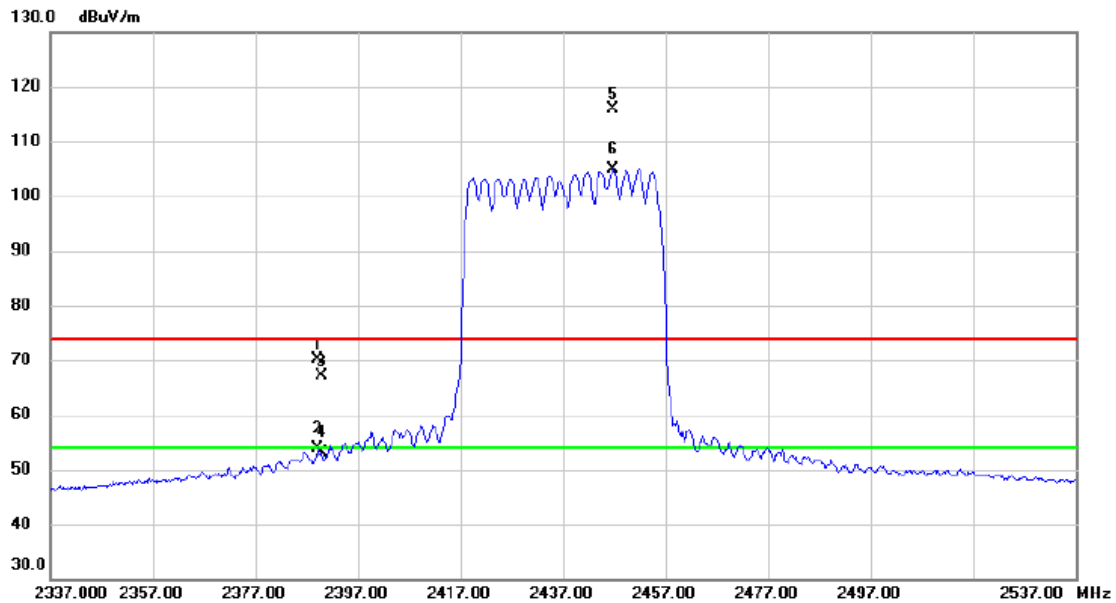
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2389.200	62.18	7.95	70.13	74.00	-3.87	peak	
2		2389.200	45.84	7.95	53.79	54.00	-0.21	AVG	
3		2390.000	59.16	7.95	67.11	74.00	-6.89	peak	
4		2390.000	45.15	7.95	53.10	54.00	-0.90	AVG	
5	X	2446.800	107.79	8.08	115.87	74.00	41.87	peak	No Limit
6	*	2446.800	96.77	8.08	104.85	54.00	50.85	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2437 MHz	Polarization	Horizontal
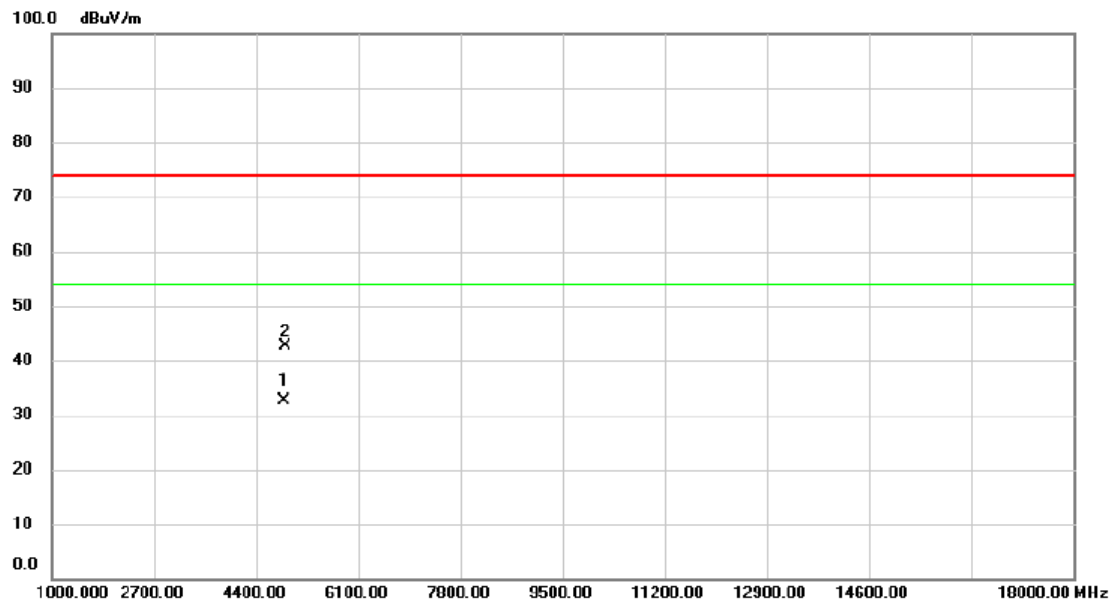
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.000	28.11	4.53	32.64	54.00	-21.36	AVG	
2		4885.400	38.09	4.55	42.64	74.00	-31.36	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2452 MHz	Polarization	Vertical
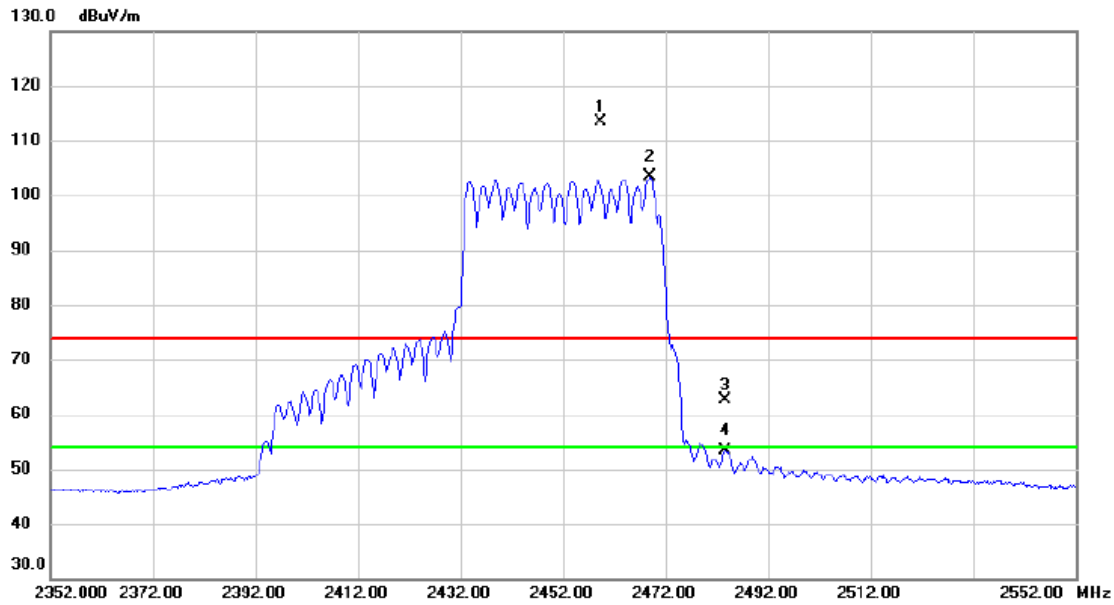
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2459.400	105.18	8.12	113.30	74.00	39.30	peak	No Limit
2	*	2469.000	95.15	8.14	103.29	54.00	49.29	AVG	No Limit
3		2483.500	54.34	8.17	62.51	74.00	-11.49	peak	
4		2483.500	45.19	8.17	53.36	54.00	-0.64	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX BE(EHT40) Mode 2452 MHz	Polarization	Horizontal
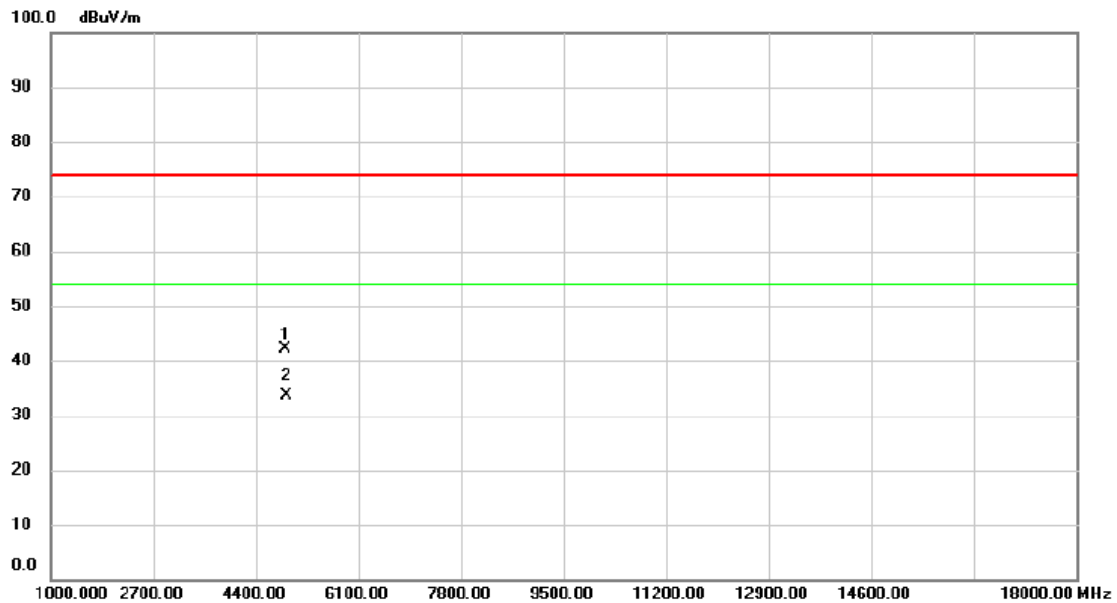
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4887.600	37.60	4.55	42.15	74.00	-31.85	peak	
2	*	4903.400	29.04	4.56	33.60	54.00	-20.40	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Vertical
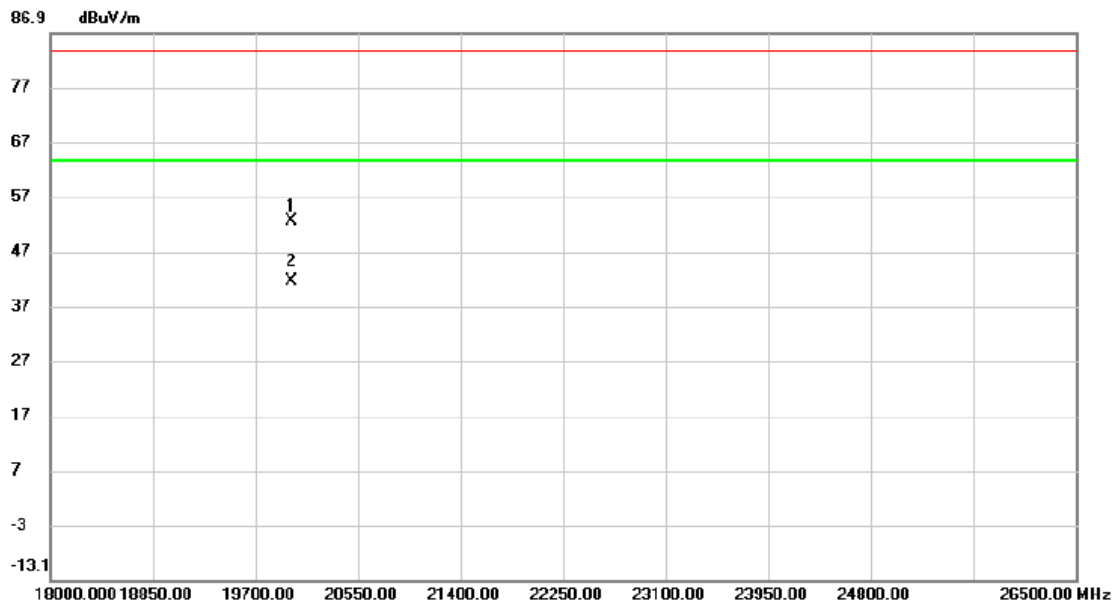
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		19997.500	53.49	-0.88	52.61	83.50	-30.89	peak	
2	*	19997.500	42.49	-0.88	41.61	63.50	-21.89	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode Channel 06	Polarization	Horizontal
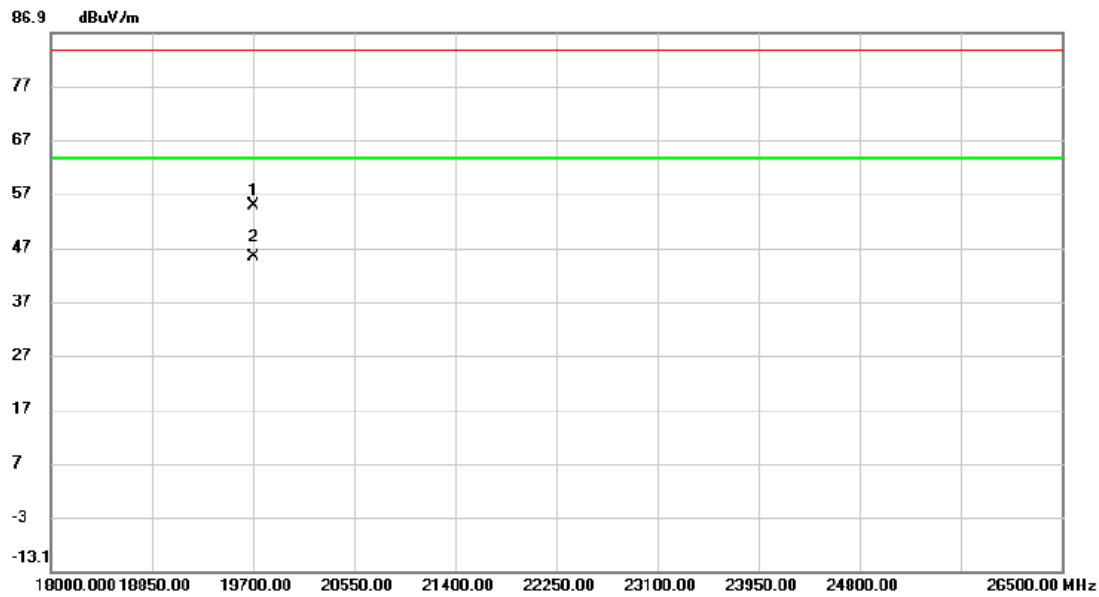
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		19700.000	55.70	-1.03	54.67	83.50	-28.83	peak	
2	*	19700.000	46.20	-1.03	45.17	63.50	-18.33	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX G Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.420	17.680	0.5	Complies
06	2437	16.380	18.320	0.5	Complies
11	2462	16.380	17.680	0.5	Complies

CH01   **CH06**   **CH11**
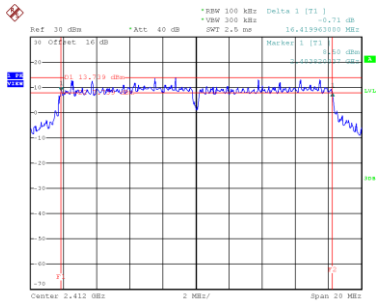
6 dB Bandwidth

Date: 7.APR.2025 13:25:32   Date: 7.APR.2025 14:43:41   Date: 7.APR.2025 14:46:54
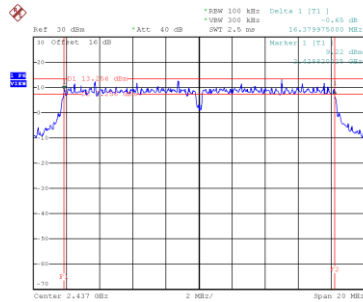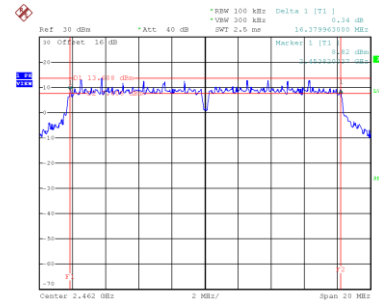
99 % Occupied Bandwidth
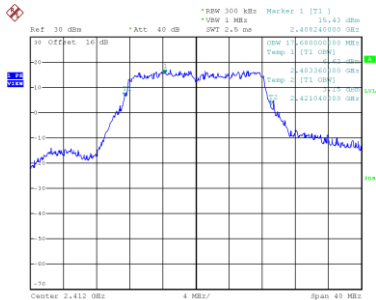
Date: 7.APR.2025 13:25:39   Date: 7.APR.2025 14:43:48   Date: 7.APR.2025 14:47:01
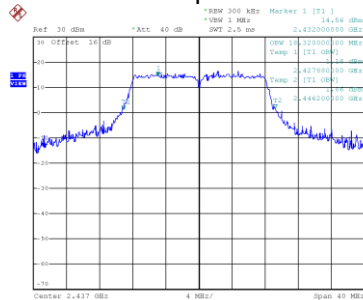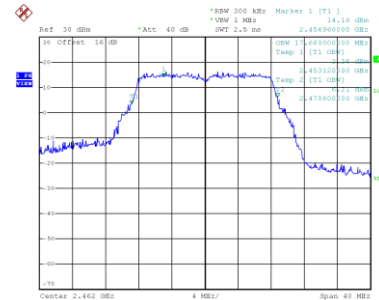
Test Mode	TX BE(EHT20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	18.860	19.360	0.5	Complies
06	2437	18.950	19.600	0.5	Complies
11	2462	18.960	19.360	0.5	Complies

CH01   CH06   CH11
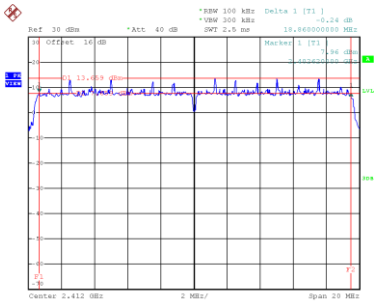
6 dB Bandwidth

Date: 7.APR.2025 15:01:00   Date: 7.APR.2025 15:13:21   Date: 7.APR.2025 15:22:42
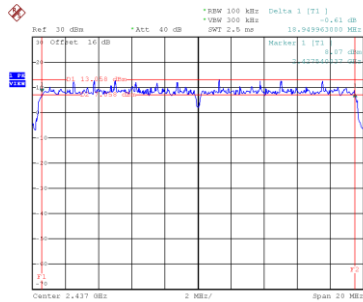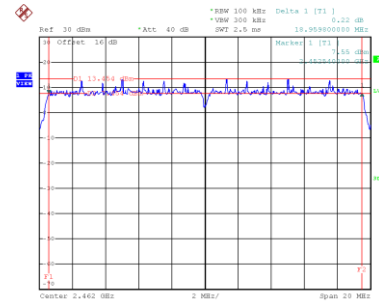
99 % Occupied Bandwidth
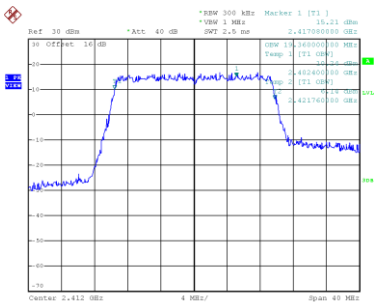
Date: 7.APR.2025 15:01:07   Date: 7.APR.2025 15:13:28   Date: 7.APR.2025 15:22:49
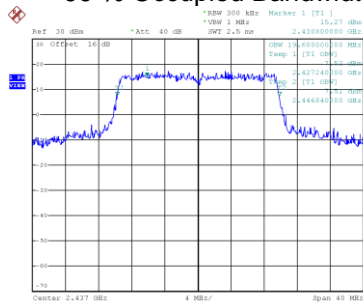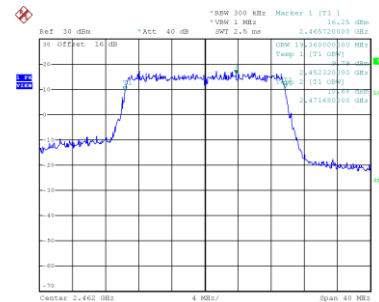
Test Mode	TX BE(EHT40) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	37.720	38.400	0.5	Complies
06	2437	37.800	39.200	0.5	Complies
09	2452	37.750	38.240	0.5	Complies

CH03   **CH06**   **CH09**
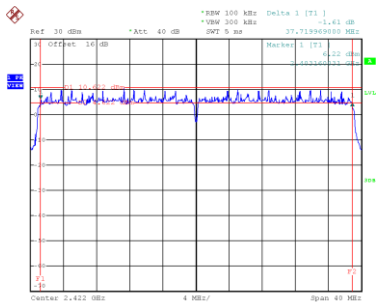
6 dB Bandwidth

Date: 7.APR.2025 15:25:55
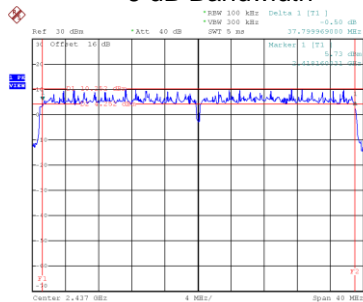
Date: 7.APR.2025 15:41:20
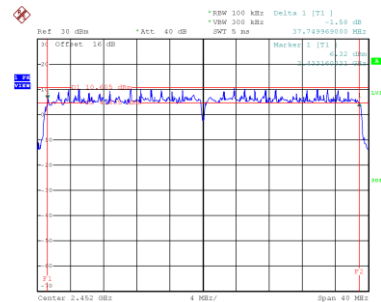
Date: 7.APR.2025 15:44:17

99 % Occupied Bandwidth
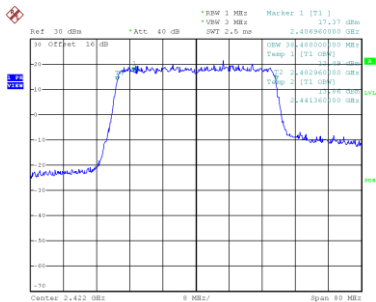
Date: 7.APR.2025 15:26:02
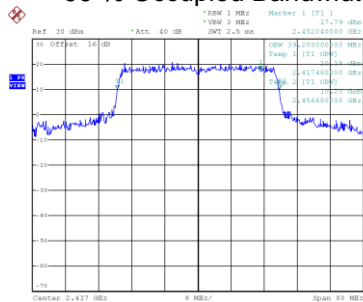
Date: 7.APR.2025 15:41:27
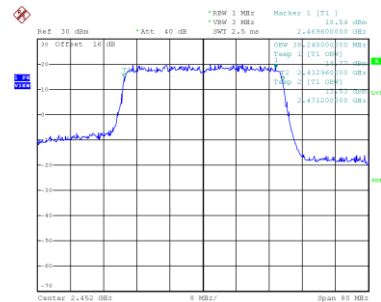
Date: 7.APR.2025 15:44:24

APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.51	0.24	21.75	30.00	1.0000	Complies
06	2437	24.47	0.24	24.71	30.00	1.0000	Complies
11	2462	23.35	0.24	23.59	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.36	0.24	21.60	30.00	1.0000	Complies
06	2437	24.02	0.24	24.26	30.00	1.0000	Complies
11	2462	22.75	0.24	22.99	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.18	0.24	21.42	30.00	1.0000	Complies
06	2437	24.35	0.24	24.59	30.00	1.0000	Complies
11	2462	23.15	0.24	23.39	30.00	1.0000	Complies

Test Mode	TX G Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.37	30.00	1.0000	Complies
06	2437	29.30	30.00	1.0000	Complies
11	2462	28.11	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.19	0.11	20.30	30.00	1.0000	Complies
06	2437	22.85	0.11	22.96	30.00	1.0000	Complies
11	2462	19.41	0.11	19.52	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.70	0.11	19.81	30.00	1.0000	Complies
06	2437	22.37	0.11	22.48	30.00	1.0000	Complies
11	2462	19.39	0.11	19.50	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.19	0.11	20.30	30.00	1.0000	Complies
06	2437	22.63	0.11	22.74	30.00	1.0000	Complies
11	2462	19.56	0.11	19.67	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.92	30.00	1.0000	Complies
06	2437	27.51	30.00	1.0000	Complies
11	2462	24.34	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.68	0.19	19.87	30.00	1.0000	Complies
06	2437	19.38	0.19	19.57	30.00	1.0000	Complies
09	2452	19.21	0.19	19.40	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.51	0.19	19.70	30.00	1.0000	Complies
06	2437	19.23	0.19	19.42	30.00	1.0000	Complies
09	2452	18.94	0.19	19.13	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.62	0.19	19.81	30.00	1.0000	Complies
06	2437	19.36	0.19	19.55	30.00	1.0000	Complies
09	2452	18.86	0.19	19.05	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.56	30.00	1.0000	Complies
06	2437	24.28	30.00	1.0000	Complies
09	2452	23.97	30.00	1.0000	Complies

Beamforming

Test Mode	TX BE(EHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.03	0.11	20.14	30.00	1.0000	Complies
06	2437	22.59	0.11	22.70	30.00	1.0000	Complies
11	2462	19.31	0.11	19.42	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.42	0.11	19.53	30.00	1.0000	Complies
06	2437	22.04	0.11	22.15	30.00	1.0000	Complies
11	2462	19.12	0.11	19.23	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.01	0.11	20.12	30.00	1.0000	Complies
06	2437	22.39	0.11	22.50	30.00	1.0000	Complies
11	2462	19.09	0.11	19.20	30.00	1.0000	Complies

Test Mode	TX BE(EHT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.71	30.00	1.0000	Complies
06	2437	27.23	30.00	1.0000	Complies
11	2462	24.06	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.43	0.19	19.62	30.00	1.0000	Complies
06	2437	19.14	0.19	19.33	30.00	1.0000	Complies
09	2452	18.86	0.19	19.05	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.26	0.19	19.45	30.00	1.0000	Complies
06	2437	19.09	0.19	19.28	30.00	1.0000	Complies
09	2452	18.72	0.19	18.91	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.38	0.19	19.57	30.00	1.0000	Complies
06	2437	19.18	0.19	19.37	30.00	1.0000	Complies
09	2452	18.81	0.19	19.00	30.00	1.0000	Complies

Test Mode	TX BE(EHT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.32	30.00	1.0000	Complies
06	2437	24.10	30.00	1.0000	Complies
09	2452	23.76	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

Test Mode	TX G Mode_Ant. 1

Bandedge-CH01
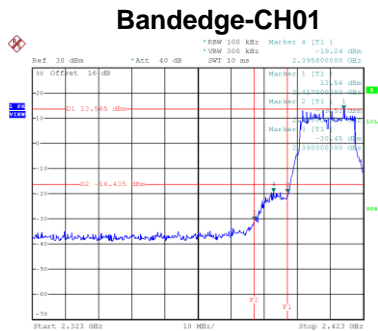
Date: 7.APR.2025 13:26:03

Bandedge-CH11
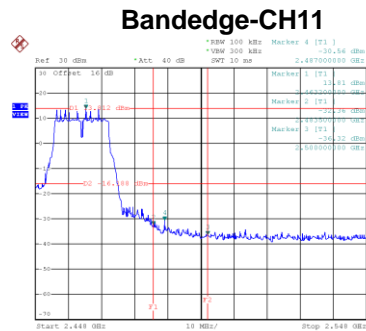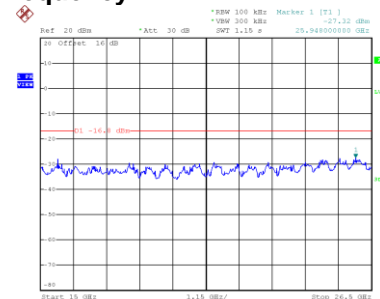

Date: 7.APR.2025 14:47:08

CH01 – 10th Harmonic of the fundamental frequency
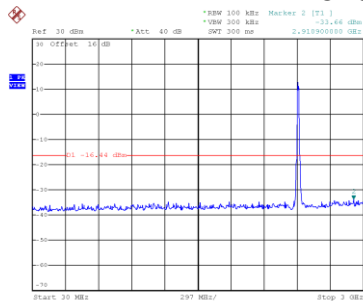
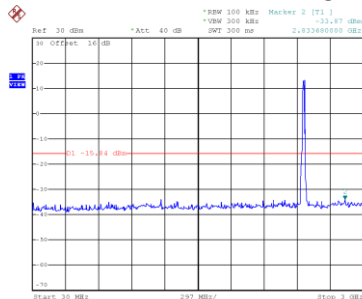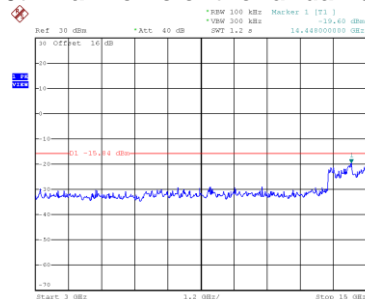Date: 7.APR.2025 13:26:17
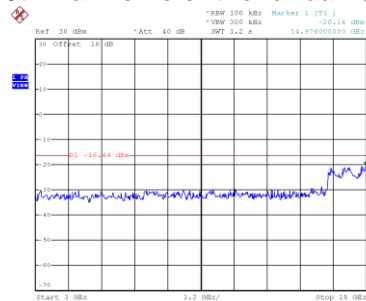
Date: 7.APR.2025 13:26:24
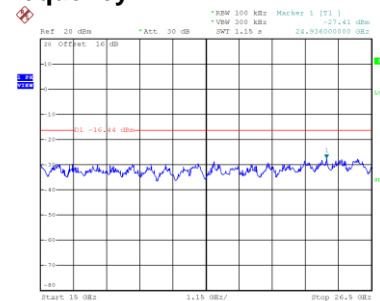
Date: 7.APR.2025 14:58:20

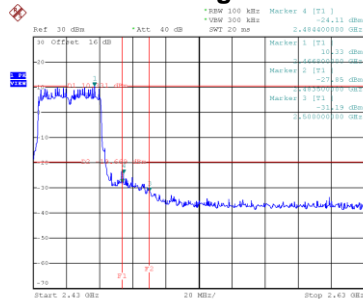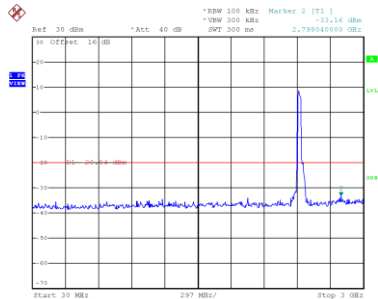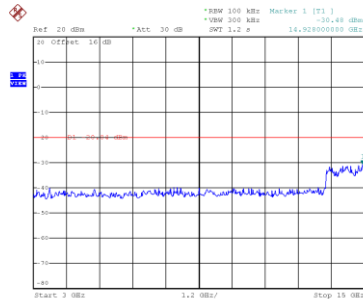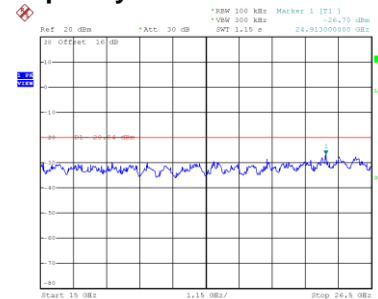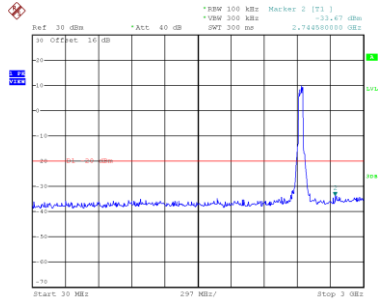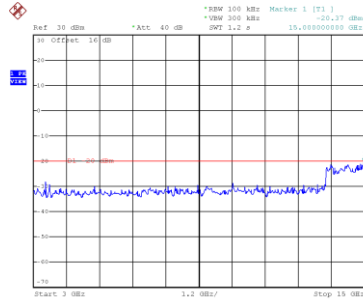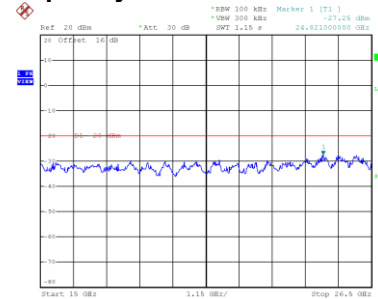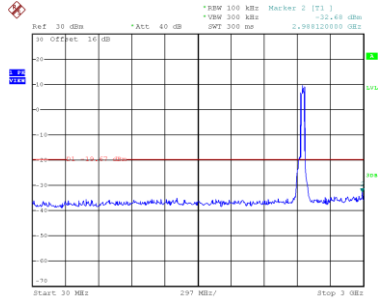### CH06 – 10th Harmonic of the fundamental frequency
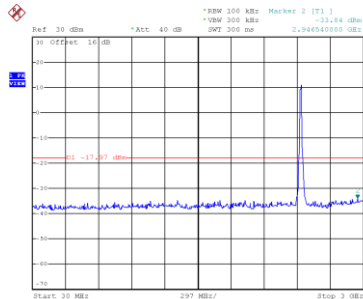
Date: 7.APR.2025 14:44:08
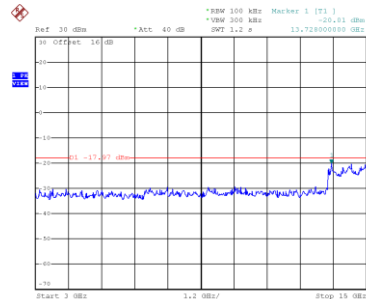
Date: 7.APR.2025 14:44:16
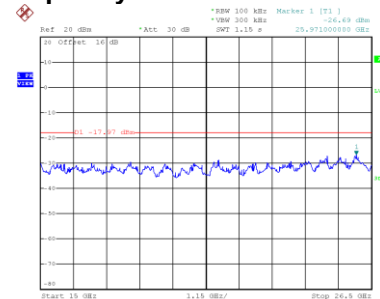
Date: 7.APR.2025 14:59:23

CH11 – 10th Harmonic of the fundamental frequency
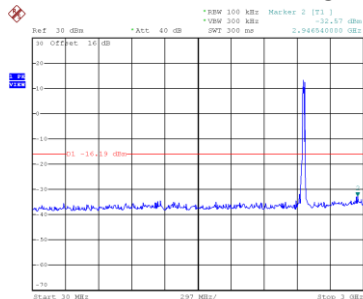
Date: 7.APR.2025 14:47:21
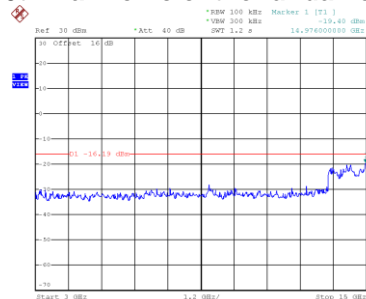
Date: 7.APR.2025 14:47:29
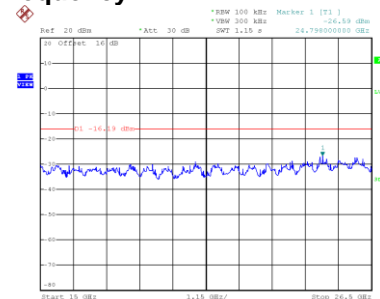
Date: 7.APR.2025 14:59:53

Test Mode	TX G Mode_Ant. 2

Bandedge-CH01
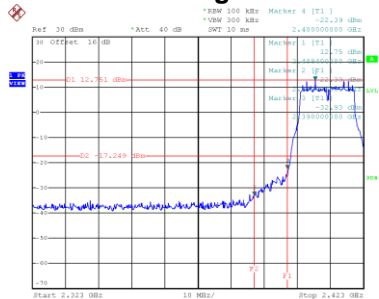
Date: 7.APR.2025 13:20:34

Bandedge-CH11
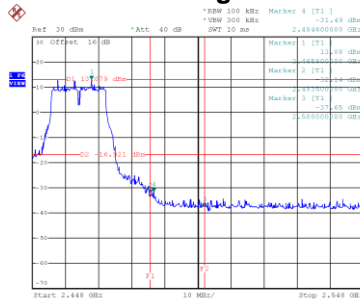
Date: 7.APR.2025 14:40:42

CH01 – 10th Harmonic of the fundamental frequency
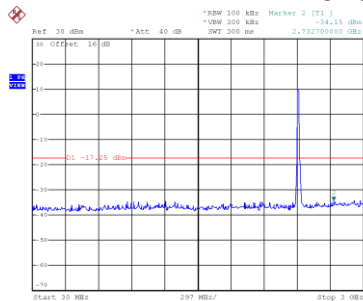
Date: 7.APR.2025 13:20:47
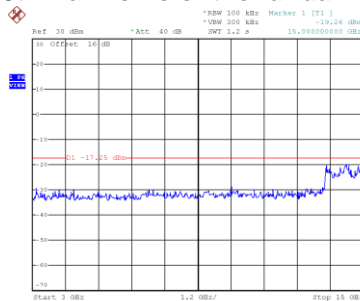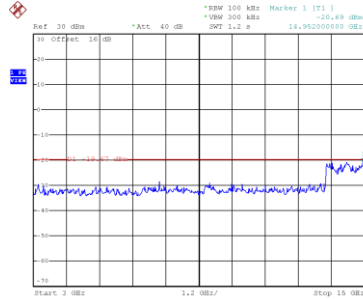

Date: 7.APR.2025 13:20:54
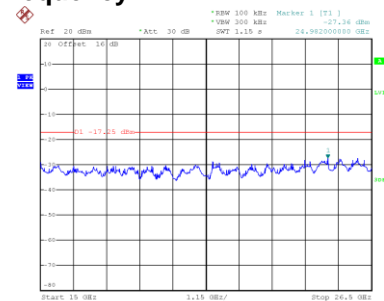
Date: 7.APR.2025 14:58:27

CH06 – 10th Harmonic of the fundamental frequency
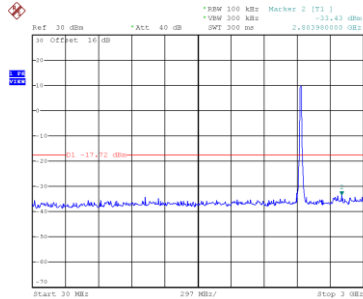
Date: 7.APR.2025 14:42:36
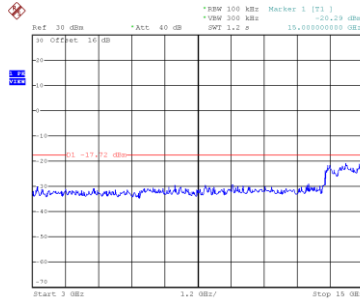
Date: 7.APR.2025 14:42:44
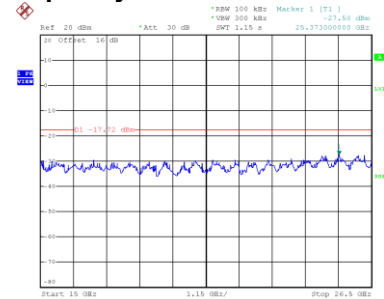
Date: 7.APR.2025 14:59:16

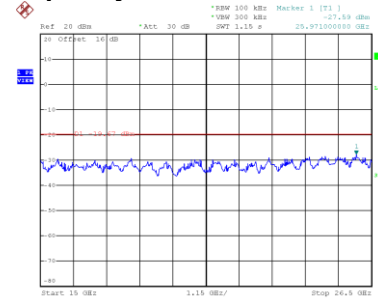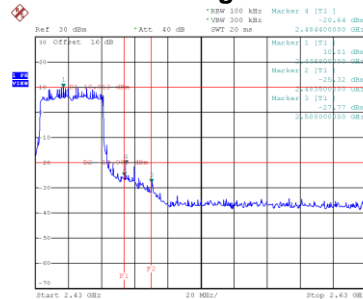### CH11 – 10th Harmonic of the fundamental frequency
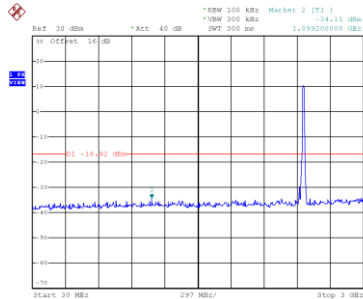
Date: 7.APR.2025 14:48:55
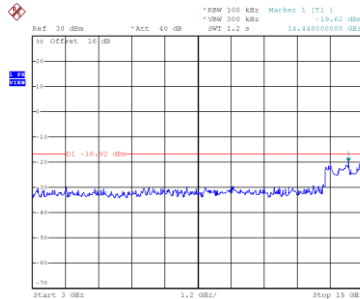
Date: 7.APR.2025 14:49:02
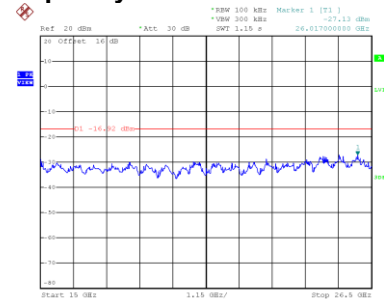
Date: 7.APR.2025 15:00:00

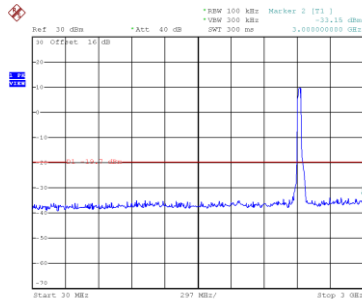| Test Mode	TX G Mode_Ant. 3

Bandedge-CH01
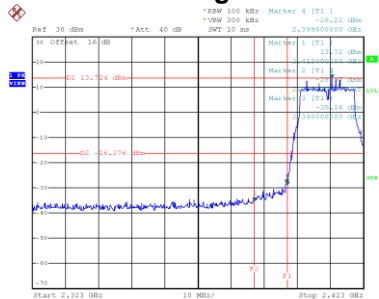
Date: 7.APR.2025 13:18:53

Bandedge-CH11
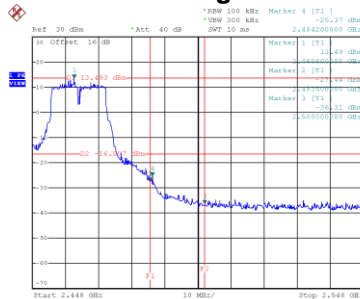
Date: 7.APR.2025 14:50:04

CH01 – 10th Harmonic of the fundamental frequency
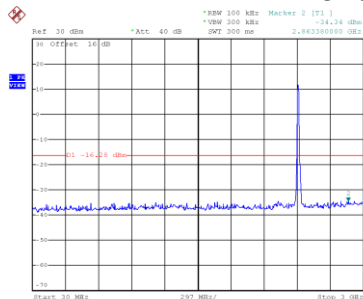
Date: 7.APR.2025 13:19:06
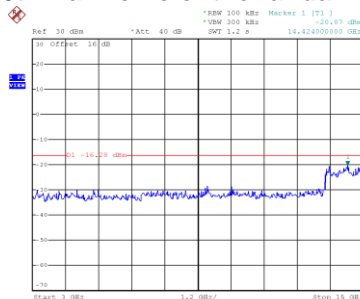
Date: 7.APR.2025 13:19:13
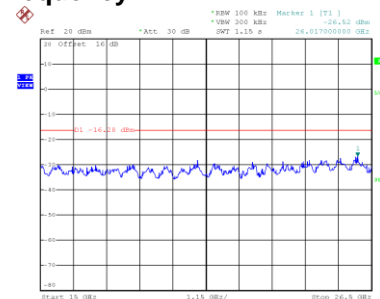
Date: 7.APR.2025 14:58:34

CH06 – 10th Harmonic of the fundamental frequency
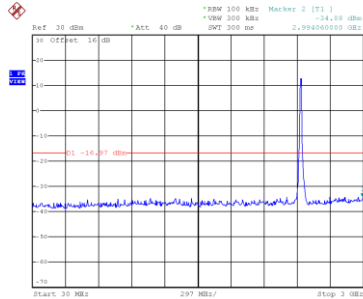
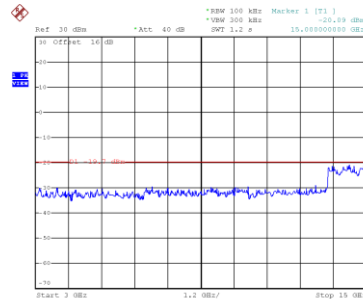
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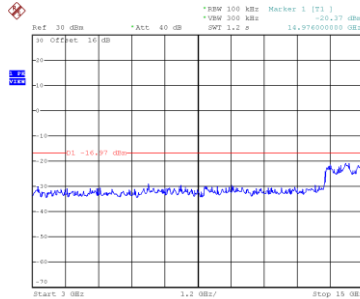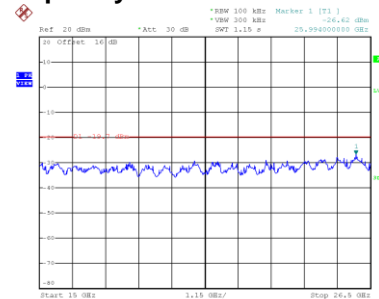
Date: 7.APR.2025 13:31:32
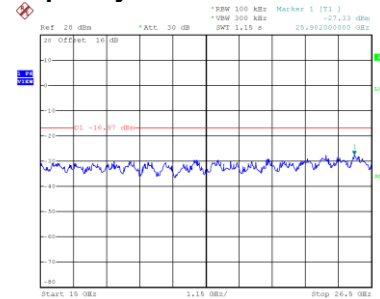
Date: 7.APR.2025 14:59:09

CH11 – 10th Harmonic of the fundamental frequency
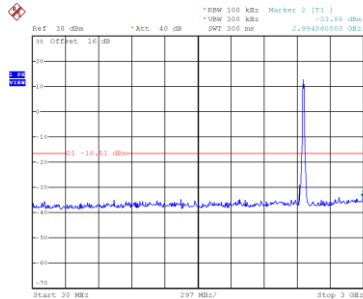
Date: 7.APR.2025 14:50:17
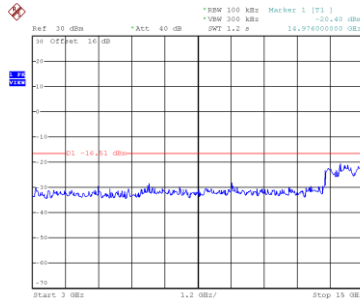
Date: 7.APR.2025 14:50:25
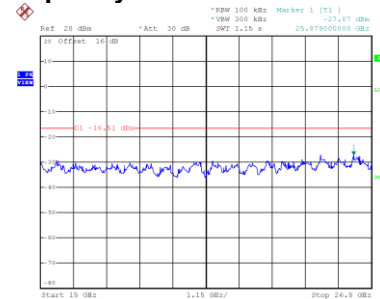
Date: 7.APR.2025 15:00:06

Test Mode	TX BE(EHT20) Mode_Ant. 1

Bandedge-CH01
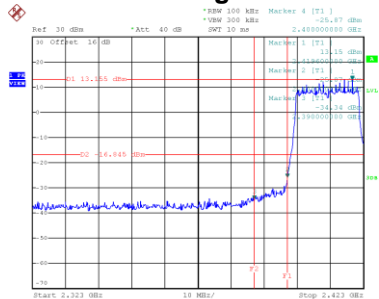
Date: 7.APR.2025 15:01:14

Bandedge-CH11
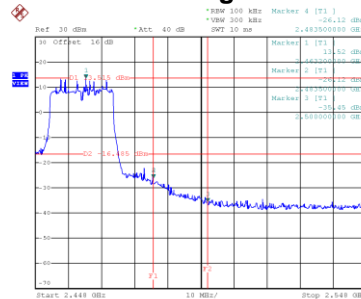
Date: 7.APR.2025 15:23:13

CH01 – 10th Harmonic of the fundamental frequency
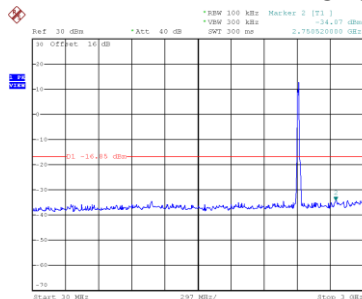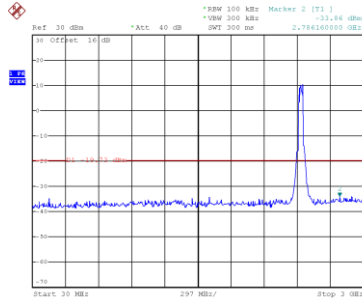

Date: 7.APR.2025 15:01:27
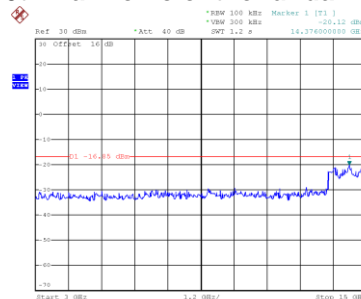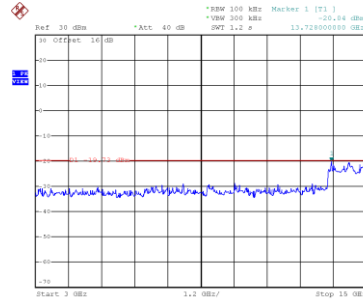
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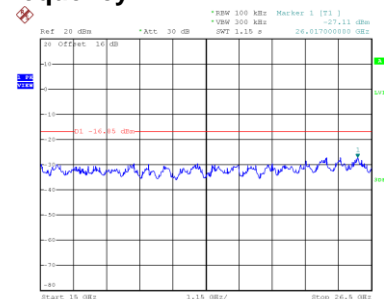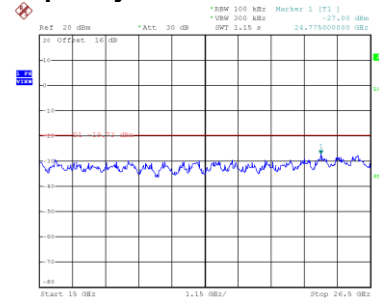
Date: 7.APR.2025 15:51:36

CH06 – 10th Harmonic of the fundamental frequency
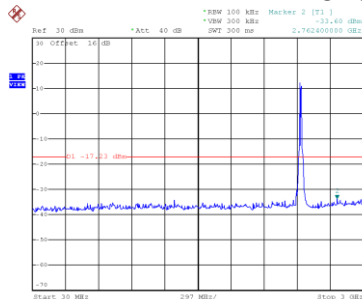
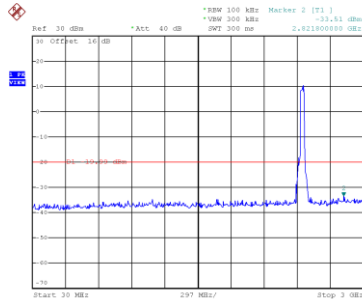Date: 7.APR.2025 15:14:05
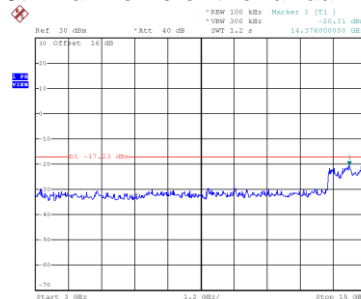
Date: 7.APR.2025 15:14:12
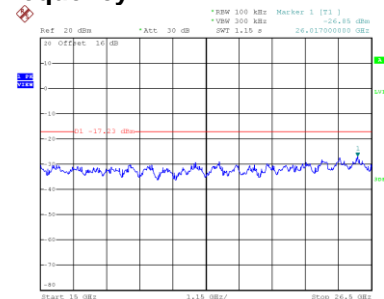
Date: 7.APR.2025 15:52:26

CH11 – 10th Harmonic of the fundamental frequency
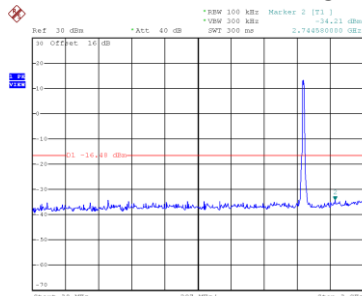
Date: 7.APR.2025 15:23:26
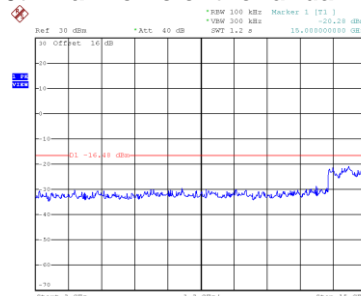
Date: 7.APR.2025 15:23:34
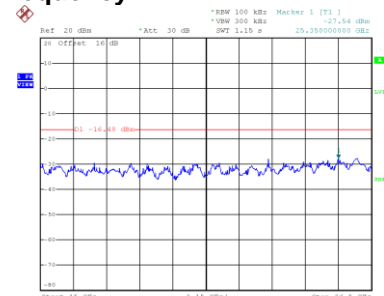
Date: 7.APR.2025 15:53:08

Test Mode	TX BE(EHT20) Mode_Ant. 2

Bandedge-CH01
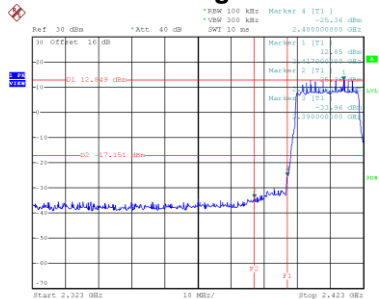
Date: 7.APR.2025 14:56:46

Bandedge-CH11
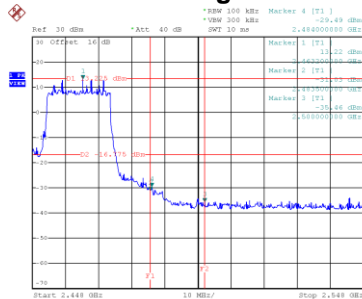
Date: 7.APR.2025 15:20:59

CH01 – 10th Harmonic of the fundamental frequency
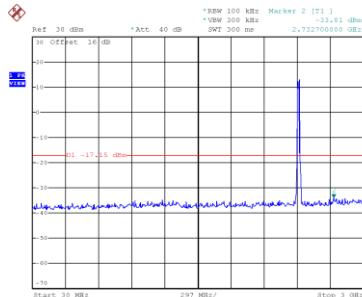
Date: 7.APR.2025 14:56:59
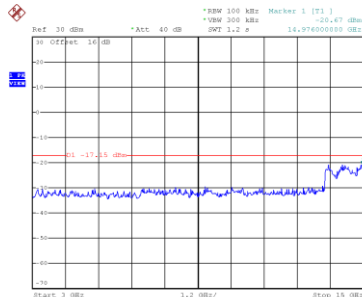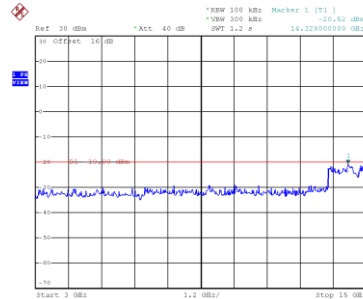
Date: 7.APR.2025 14:57:07
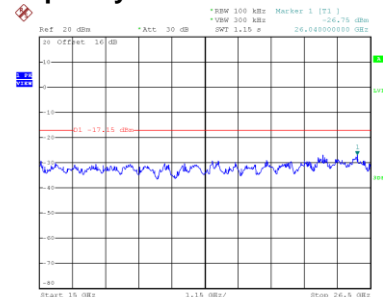
Date: 7.APR.2025 15:51:29

CH06 – 10th Harmonic of the fundamental frequency
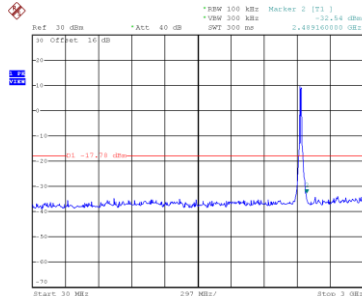
Date: 7.APR.2025 15:15:33
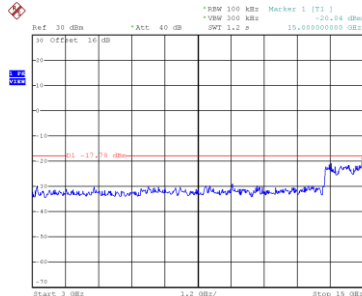
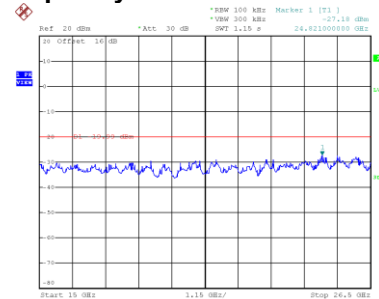Date: 7.APR.2025 15:15:40
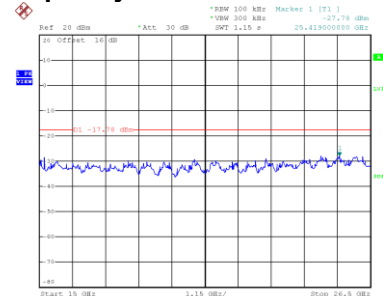
Date: 7.APR.2025 15:52:33

CH11 – 10th Harmonic of the fundamental frequency
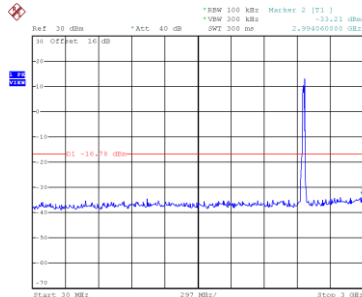
Date: 7.APR.2025 15:21:12
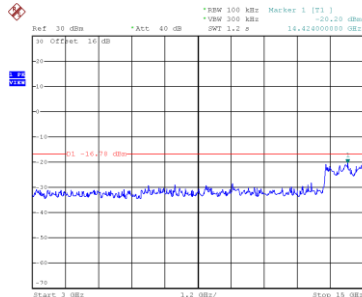
Date: 7.APR.2025 15:21:20
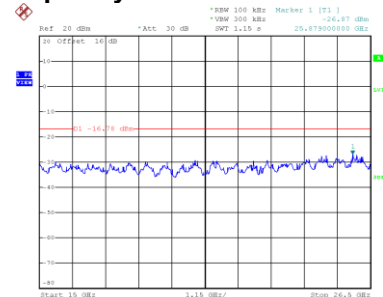
Date: 7.APR.2025 15:53:01

Test Mode	TX BE(EHT20) Mode_Ant. 3

Bandedge-CH01
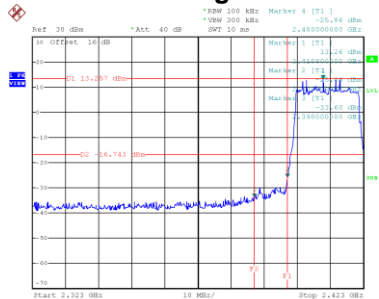
Date: 7.APR.2025 14:53:25

Bandedge-CH11
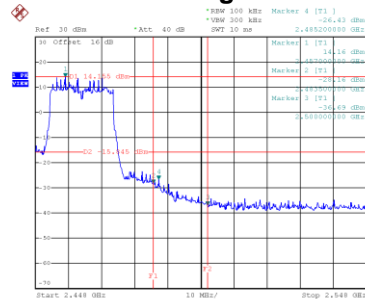
Date: 7.APR.2025 15:18:28

CH01 – 10th Harmonic of the fundamental frequency
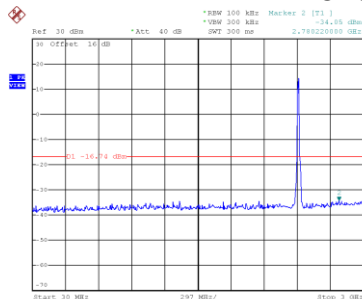
Date: 7.APR.2025 14:53:38
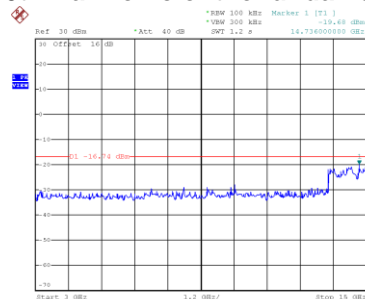
Date: 7.APR.2025 14:53:45
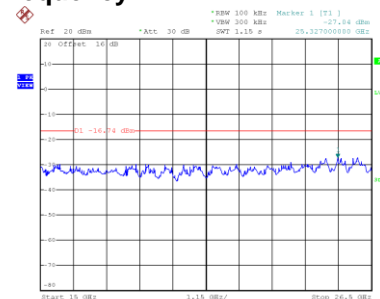
Date: 7.APR.2025 15:51:22

CH06 – 10th Harmonic of the fundamental frequency
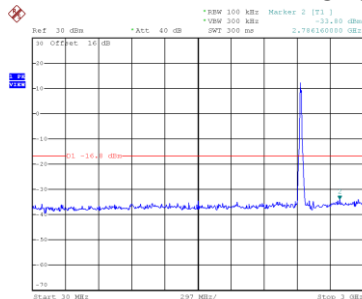
Date: 7.APR.2025 15:17:03
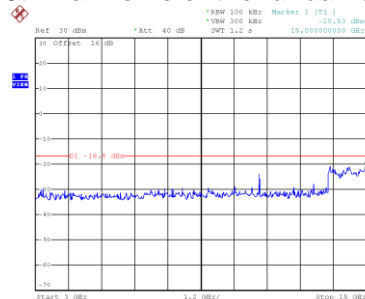
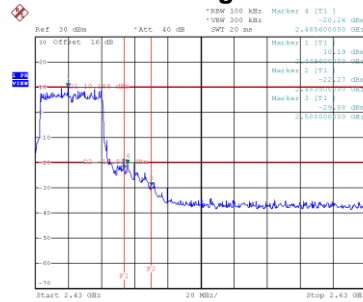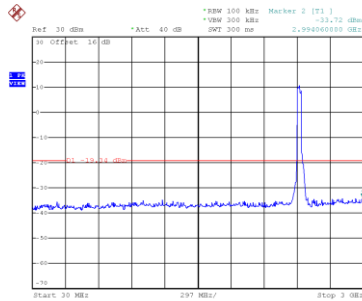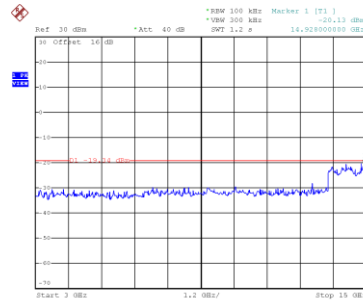
Date: 7.APR.2025 15:17:11

Date: 7.APR.2025 15:52:40

CH11 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:18:41

Date: 7.APR.2025 15:18:49
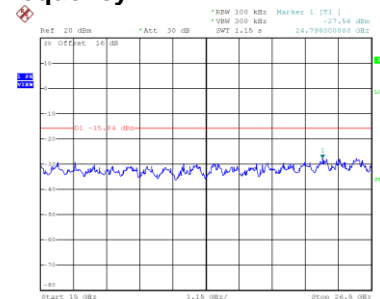
Date: 7.APR.2025 15:52:55

Test Mode	TX BE(EHT40) Mode_Ant. 1

Bandedge-CH03
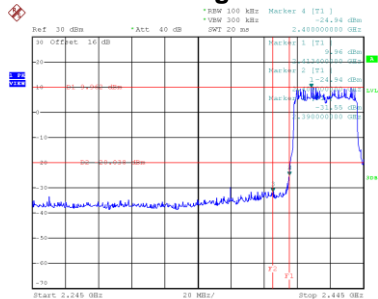
Date: 7.APR.2025 15:26:26

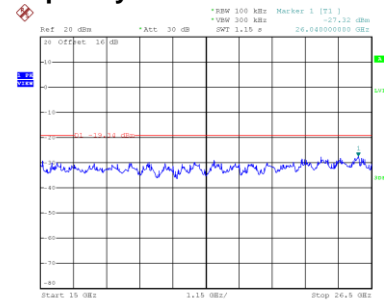### Bandedge-CH09

Date: 7.APR.2025 15:44:32

CH03 – 10th Harmonic of the fundamental frequency
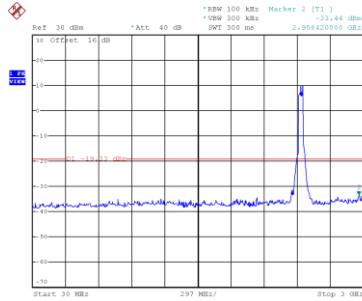

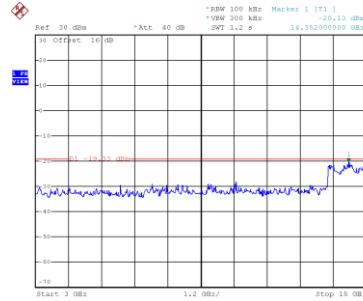Date: 7.APR.2025 15:26:39

Date: 7.APR.2025 16:00:34

Date: 7.APR.2025 15:53:18

CH06 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:42:04

Date: 7.APR.2025 15:42:11

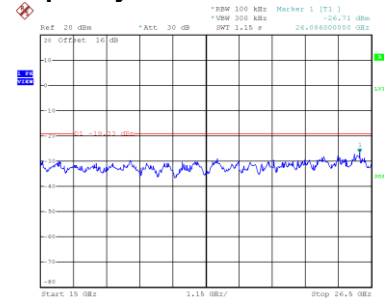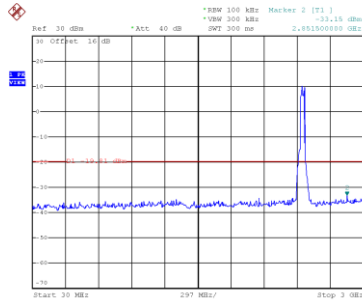
Date: 7.APR.2025 15:58:19

CH09 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:44:45

Date: 7.APR.2025 15:44:53

Date: 7.APR.2025 15:59:23

Test Mode	TX BE(EHT40) Mode_Ant. 2

Bandedge-CH03
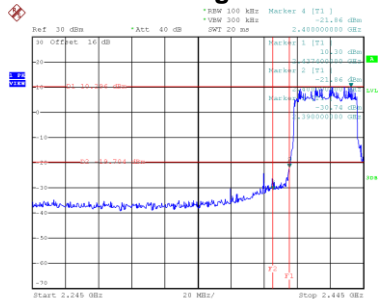
Date: 7.APR.2025 15:27:59

Bandedge-CH09

Date: 7.APR.2025 15:46:16

CH03 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:28:13

Date: 7.APR.2025 15:28:20

Date: 7.APR.2025 15:53:24

CH06 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:39:03

Date: 7.APR.2025 15:39:11

Date: 7.APR.2025 15:58:26

CH09 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:46:29

Date: 7.APR.2025 15:46:37

Date: 7.APR.2025 15:59:17

Test Mode	TX BE(EHT40) Mode_Ant. 3

Bandedge-CH03
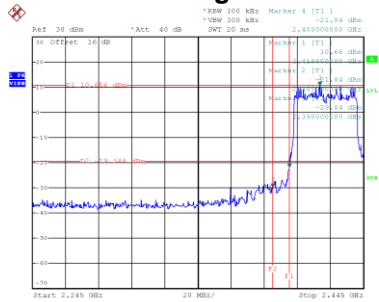
Date: 7.APR.2025 15:31:17

Bandedge-CH09

Date: 7.APR.2025 15:47:43

CH03 – 10th Harmonic of the fundamental frequency

Date: 7.APR.2025 15:31:30

Date: 7.APR.2025 15:31:38

Date: 7.APR.2025 15:53:31

CH06 – 10th Harmonic of the fundamental frequency
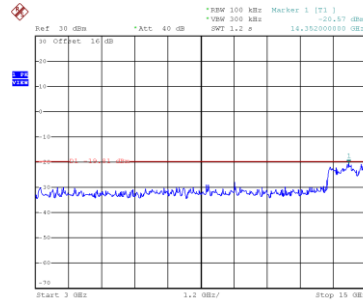

Date: 7.APR.2025 15:35:51
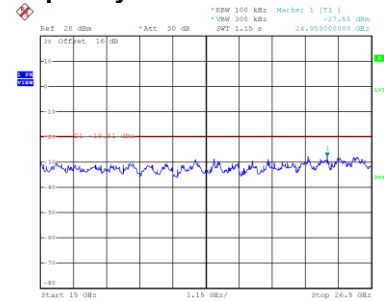

Date: 7.APR.2025 15:35:58

Date: 7.APR.2025 15:58:33

CH09 – 10th Harmonic of the fundamental frequency

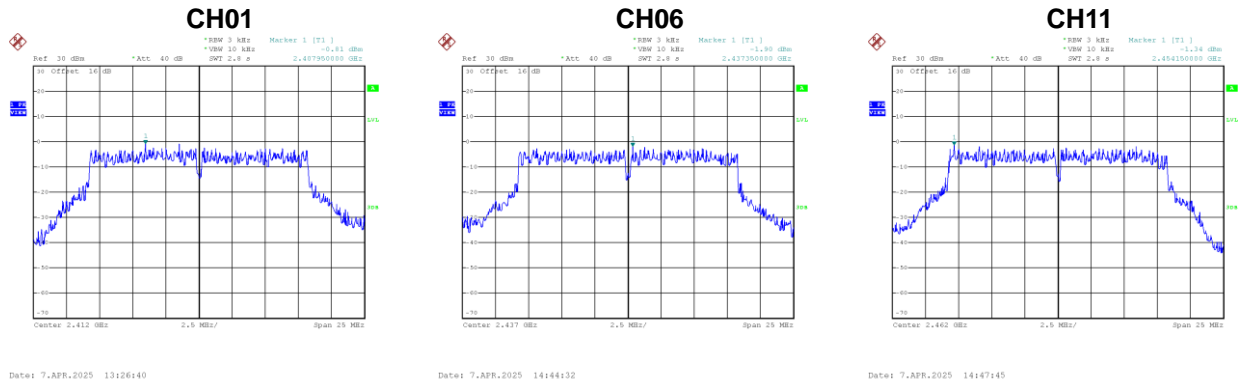Date: 7.APR.2025 15:47:56

Date: 7.APR.2025 15:48:03

Date: 7.APR.2025 15:59:10
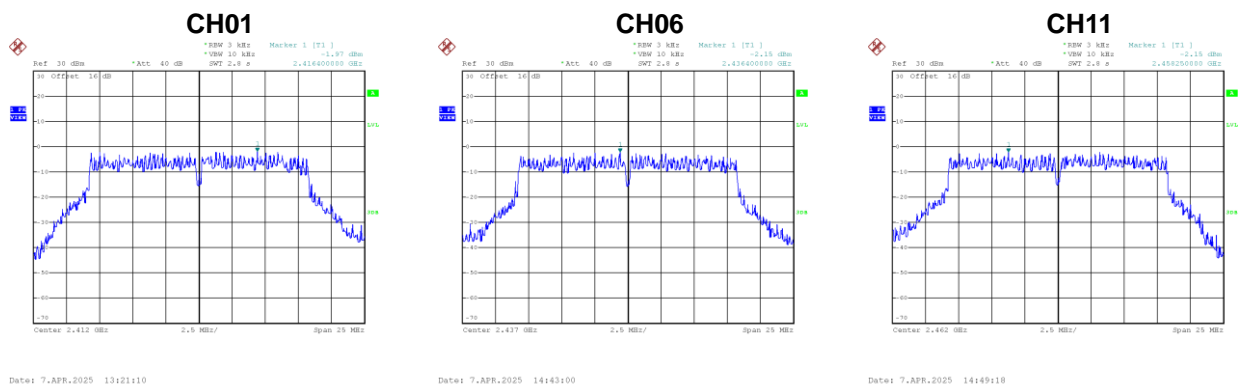
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-0.81	8.00	Complies
06	2437	-1.90	8.00	Complies
11	2462	-1.34	8.00	Complies

Test Mode	TX G Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-1.97	8.00	Complies
06	2437	-2.15	8.00	Complies
11	2462	-2.15	8.00	Complies

Test Mode	TX G Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-0.72	8.00	Complies
06	2437	-0.24	8.00	Complies
11	2462	-1.20	8.00	Complies
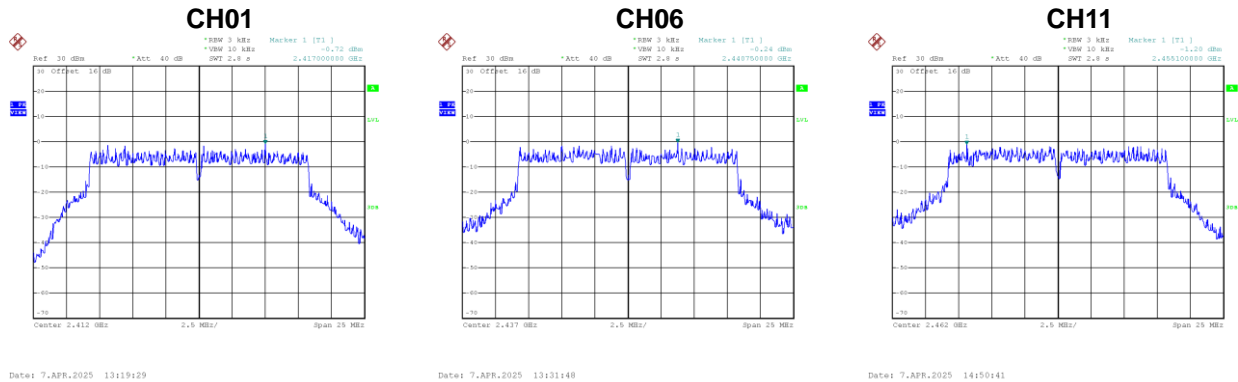
Test Mode	TX G Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	3.64	8.00	Complies
06	2437	3.43	8.00	Complies
11	2462	3.23	8.00	Complies

Test Mode	TX BE(EHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-2.14	8.00	Complies
06	2437	-1.60	8.00	Complies
11	2462	-3.44	8.00	Complies
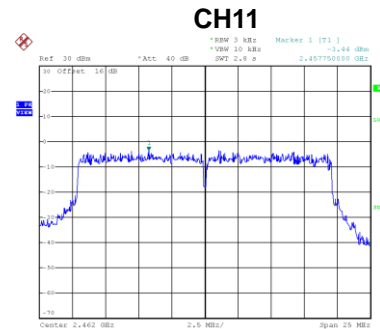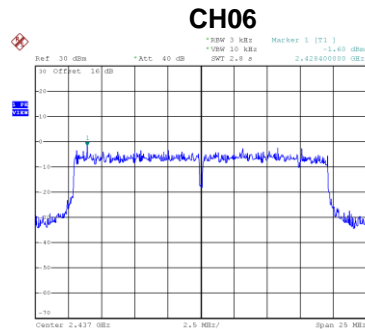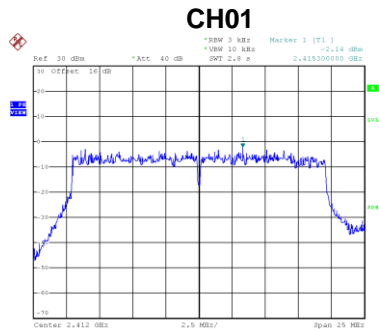
Test Mode	TX BE(EHT20) Mode_Ant. 2

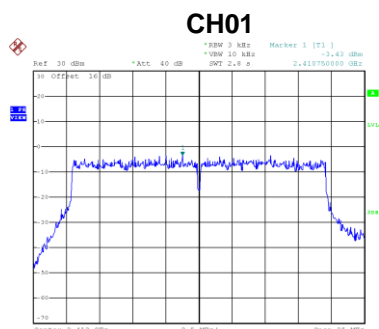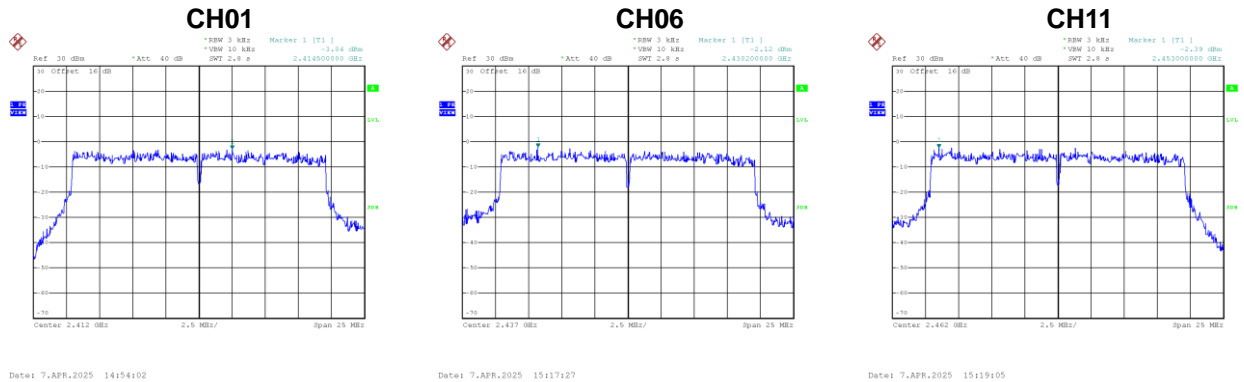| Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.43	8.00	Complies
06	2437	-2.98	8.00	Complies
11	2462	-2.73	8.00	Complies
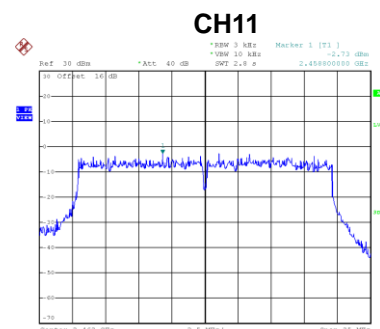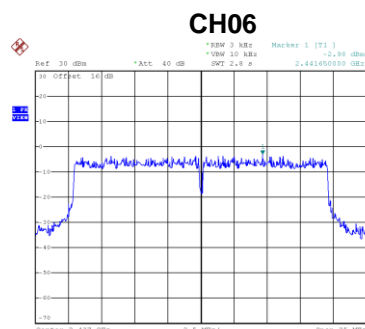
Test Mode	TX BE(EHT20) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.04	8.00	Complies
06	2437	-2.12	8.00	Complies
11	2462	-2.39	8.00	Complies

Date: 7.APR.2025 14:54:02   Date: 7.APR.2025 15:17:27   Date: 7.APR.2025 15:19:05
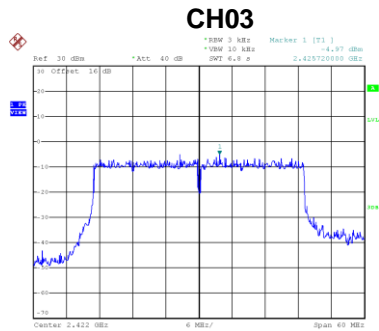
Test Mode	TX BE(EHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	1.94	8.00	Complies
06	2437	2.57	8.00	Complies
11	2462	1.94	8.00	Complies

Test Mode	TX BE(EHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-4.97	8.00	Complies
06	2437	-5.22	8.00	Complies
09	2452	-5.79	8.00	Complies

CH03 CH06 CH09

Date: 7.APR.2025 15:27:06   Date: 7.APR.2025 15:42:31   Date: 7.APR.2025 15:45:12
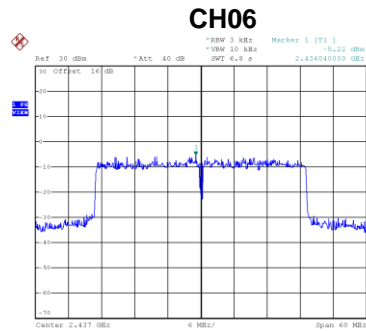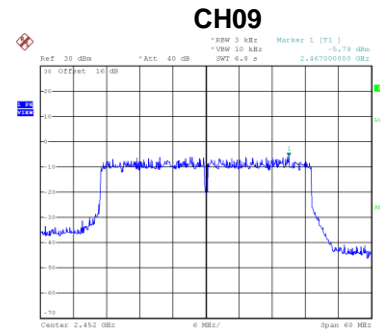
Test Mode	TX BE(EHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-5.92	8.00	Complies
06	2437	-3.74	8.00	Complies
09	2452	-4.51	8.00	Complies

CH03 CH06 CH09
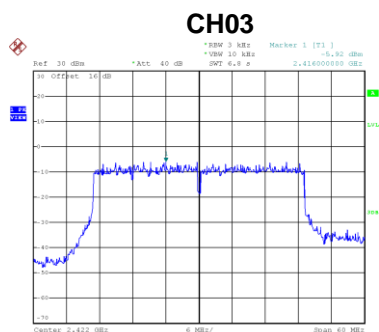
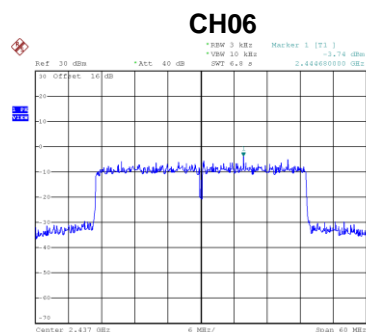Date: 7.APR.2025 15:28:39   Date: 7.APR.2025 15:39:30   Date: 7.APR.2025 15:46:56

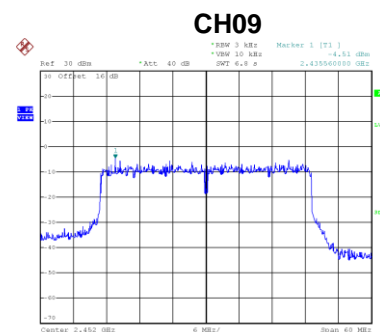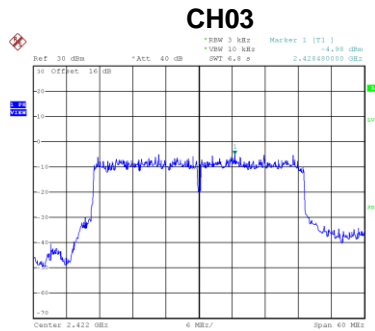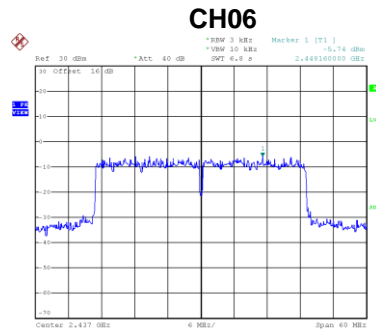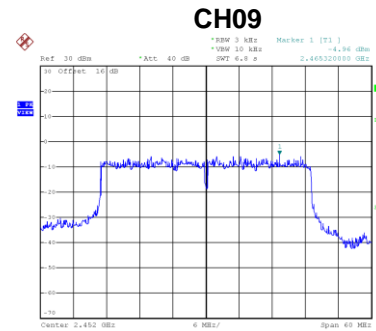| Test Mode	TX BE(EHT40) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-4.98	8.00	Complies
06	2437	-5.74	8.00	Complies
09	2452	-4.96	8.00	Complies

Date: 7.APR.2025 15:31:57   Date: 7.APR.2025 15:36:17   Date: 7.APR.2025 15:48:23

Test Mode	TX BE(EHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-0.50	8.00	Complies
06	2437	-0.04	8.00	Complies
09	2452	-0.28	8.00	Complies

End of Test Report