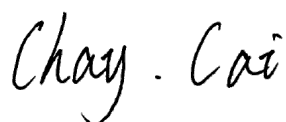


Japan Radio Test Report

Project No. : 2510C205
Equipment : BE22000 Whole Home Mesh Wi-Fi 7 System
Brand Name : tp-link
Model Name : Deco BE85
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Factory : Lianzhou International Co., Ltd. Guangming Branch
Address : Room -101, 1F-8F, C901, C1001, C1101, C1201, No.198, Kelian Road, Yutang Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, P.R.China
Date of Receipt : Jan. 13, 2026
Date of Test : Jan. 15, 2026 ~ Apr. 21, 2026
Issued Date : May 14, 2026
Test Sample : Engineering Sample No.: DG92026011394 for Carrier Sense Capability, DG92026011395 for Others.
MIC Category : Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment Article 2 Paragraph 1 of item 80
Technical Standard(s) : Ordinance Regulating Radio Equipment General Provisions, Transmitting Equipment, Receiving Equipment, Article 49-20
Test Procedure : Test Method Specified Radio Equipment Article 2 Paragraph 1 of item 80

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

Prepared by : 
 Sheldon Ou

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 manufacturer'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.

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 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-JPAP-5-2510C205	R00	Original Report.	Apr. 28, 2026	Invalid
BTL-JPAP-5-2510C205	R01	This report Updated the antenna information in page 10. It is a revision of the report BTL-JPAP-5-2510C205 R00. This is a newly released report, replacing the BTL-JPAP-5-2510C205 R00 report.	May 14, 2026	Valid

1. SUMMARY OF TEST RESULTS

Part	Description of Test	Article of ORRE	Result
3.1	Frequency Tolerance	Clause 2	Pass
3.2	Occupied Bandwidth	Clause 3	Pass
3.3	Unwanted Emission Intensity	Clause 4 & Clause 5	Pass
3.4	Antenna Power Tolerance	Clause 6	Pass
3.5	Adjacent Channel Emitted Power	Clause 7	Pass
3.6	Limitation of Collateral Emission of Receiver	Clause 8	Pass
3.7	Radio Interference Prevention Capability	Clause 9	Pass
3.8	Transmission Burst Length	Clause 10	Pass
3.9	Carrier Sense Capability	Clause 11	Pass
	Number of carrier	--	49-20
	Construction Protection	--	49-20
	Warning indication for 'indoor use only'	--	MIC No.48

1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

DGDLR08-3/DGDLR09-1: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

1.2 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Frequency Tolerance	1.4 ppm	Confidence levels of 95.45%
99% Bandwidth	0.75 %	Confidence levels of 95.45%
Antenna Power	1.3 dB	Confidence levels of 95.45%
TX-RX Emission	2.1 dB	Confidence levels of 95.45%

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Frequency Tolerance	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Occupied Bandwidth	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Unwanted Emission Intensity	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Antenna Power Tolerance	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Adjacent Channel Emitted Power	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Limitation of Collateral Emission of Receiver	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Transmission Burst Length	24°C	49%	AC 100V/50Hz	Jensen Zhou
	24°C	51%	AC 100V/50Hz	Jensen Zhou
	27°C	51%	AC 100V/50Hz	Jensen Zhou
	26°C	53%	AC 100V/50Hz	Jensen Zhou
Carrier Sense Capability	25°C	46%	AC 100V/50Hz	Kadin Wu

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	BE22000 Whole Home Mesh Wi-Fi 7 System
Brand Name	tp-link
Test Model	Deco BE85
Model Name	Deco BE85
Model Difference(s)	N/A
Hardware Version	V3
Software Version	V3
Power Source	DC Voltage supplied from AC adapter. Model: T150500-2-DT
Power Rating	I/P: 100-240V ~ 50/60Hz 2.0A O/P: 15.0V  5.0A 75.0W
Operation Frequency Band(s)	6105 MHz ~ 6425 MHz
Modulation Technology	IEEE 802.11ax/be: OFDMA
Bit Rate of Transmitter	IEEE 802.11ax: up to 4804 Mbps IEEE 802.11be: up to 11528 Mbps
Occupied Bandwidth	316.34 MHz
Antenna Power (Rated Power) _ Vertical Antenna	IEEE 802.11ax(HE20): 3.39 mW/MHz IEEE 802.11ax(HE20)_6415 MHz: 0.11 mW/MHz IEEE 802.11ax(HE40): 1.70 mW/MHz IEEE 802.11ax(HE80): 0.87 mW/MHz IEEE 802.11ax(HE160): 0.46 mW/MHz IEEE 802.11be(EHT20): 3.57 mW/MHz IEEE 802.11be(EHT20)_6415 MHz: 0.15 mW/MHz IEEE 802.11be(EHT40): 1.85 mW/MHz IEEE 802.11be(EHT80): 0.89 mW/MHz IEEE 802.11be(EHT160): 0.45 mW/MHz IEEE 802.11be(EHT320): 0.22 mW/MHz
Antenna Power (Max. Conducted Power) _ Vertical Antenna	IEEE 802.11ax(HE20): 3.3806 mW/MHz IEEE 802.11ax(HE40): 1.6982 mW/MHz IEEE 802.11ax(HE80): 0.8670 mW/MHz IEEE 802.11ax(HE160): 0.4508 mW/MHz IEEE 802.11be(EHT20): 3.5645 mW/MHz IEEE 802.11be(EHT40): 1.8408 mW/MHz IEEE 802.11be(EHT80): 0.8892 mW/MHz IEEE 802.11be(EHT160): 0.4426 mW/MHz IEEE 802.11be(EHT320): 0.2123 mW/MHz
Antenna Power (Rated Power) _ Horizontal Antenna	IEEE 802.11ax(HE20): 1.59 mW/MHz IEEE 802.11ax(HE20)_6415 MHz: 0.06 mW/MHz IEEE 802.11ax(HE40): 0.86 mW/MHz IEEE 802.11ax(HE80): 0.42 mW/MHz IEEE 802.11ax(HE160): 0.22 mW/MHz IEEE 802.11be(EHT20): 1.73 mW/MHz IEEE 802.11be(EHT20)_6415 MHz: 0.07 mW/MHz IEEE 802.11be(EHT40): 0.85 mW/MHz IEEE 802.11be(EHT80): 0.42 mW/MHz IEEE 802.11be(EHT160): 0.21 mW/MHz IEEE 802.11be(EHT320): 0.11 mW/MHz

Antenna Power (Max. Conducted Power) _Horizontal Antenna	IEEE 802.11ax(HE20): 1.5849 mW/MHz IEEE 802.11ax(HE40): 0.8531 mW/MHz IEEE 802.11ax(HE80): 0.4169 mW/MHz IEEE 802.11ax(HE160): 0.2148 mW/MHz IEEE 802.11be(EHT20): 1.7258 mW/MHz IEEE 802.11be(EHT40): 0.8690 mW/MHz IEEE 802.11be(EHT80): 0.4198 mW/MHz IEEE 802.11be(EHT160): 0.2089 mW/MHz IEEE 802.11be(EHT320): 0.1076 mW/MHz
Equipment Mode	LPI (Max. EIRP 200 mW)

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:

UNII-5			
IEEE 802.11ax(HE20), IEEE 802.11be(EHT20)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
33	6115	65	6275
37	6135	69	6295
41	6155	73	6315
45	6175	77	6335
49	6195	81	6355
53	6215	85	6375
57	6235	89	6395
61	6255	93	6415

UNII-5			
IEEE 802.11ax(HE40), IEEE 802.11be(EHT40)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
35	6125	67	6285
43	6165	75	6325
51	6205	83	6365
59	6245	91	6405

UNII-5			
IEEE 802.11ax(HE80), IEEE 802.11be(EHT80)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
39	6145	71	6305
55	6225	87	6385

UNII-5			
IEEE 802.11ax(HE160), IEEE 802.11be(EHT160)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
47	6185	79	6345

UNII-5	
IEEE 802.11be(EHT320)	
Channel	Frequency (MHz)
63	6265

3. Table for Filed Antenna Table:

Vertical Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
7	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	3.47
8	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	4.19
9	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	2.66
10	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	3.98

Horizontal Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
11	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	7.51
12	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	6.63
7	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	3.47
8	TP-Link Systems Inc.	Deco BE85	Dipole	N/A	4.19

Note:

- 1) The EUT with vertical and horizontal antenna type, two antennas are pre-tested and recorded.
- 2) The EUT incorporates a CDD function. Physically, the EUT provides four completed transmitters and receivers (4T4R).
- 3) For Vertical Antenna: Both Ant.7, Ant.8, Ant.9 and Ant.10 had been pre-tested and found the Ant.8 power is the highest and worst, so only the data of Ant.8 with offset 6dB had been recorded.
For Horizontal Antenna: Both Ant.11, Ant.12, Ant.7 and Ant.8 had been pre-tested and found the Ant.11 power is the highest and worst, so only the data of Ant.11 with offset 6dB had been recorded.
- 4) The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode TX Mode	4TX
IEEE 802.11ax(HE20)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11ax(HE40)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11ax(HE80)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11ax(HE160)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11be(EHT20)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11be(EHT40)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11be(EHT80)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11be(EHT160)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)
IEEE 802.11be(EHT320)	V (Ant. 7 + Ant. 8 + Ant. 9 + Ant. 10) or V (Ant. 11 + Ant. 12 + Ant. 7 + Ant. 8)

2.2 DESCRIPTION OF TEST MODES

The EUT Module was tested while in a continuous transmitter / receiver mode.

The EUT was tuned to a low, middle and high channel for all tests.

The EUT continuously transmitted a modulated packet with payload, while transmitting the EUT was setup to operate at the intended maximum power output available to the end user.

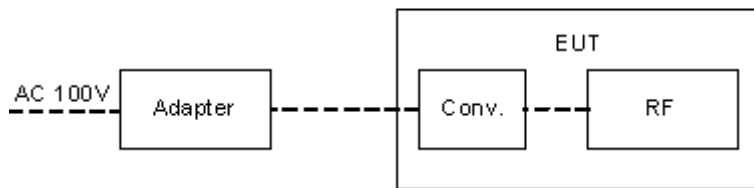
For all test cases pre-scan were completed in all modes to determine worst case levels.

Test Mode	Description
Mode 1	TX AX(HE20) Mode Channel 33/45/93
Mode 2	TX AX(HE40) Mode Channel 35/43/91
Mode 3	TX AX(HE80) Mode Channel 39/55/87
Mode 4	TX AX(HE160) Mode Channel 47/79
Mode 5	TX BE(EHT20) Mode Channel 33/45/93
Mode 6	TX BE(EHT40) Mode Channel 35/43/91
Mode 7	TX BE(EHT80) Mode Channel 39/55/87
Mode 8	TX BE(EHT160) Mode Channel 47/79
Mode 9	TX BE(EHT320) Mode Channel 63

Note:

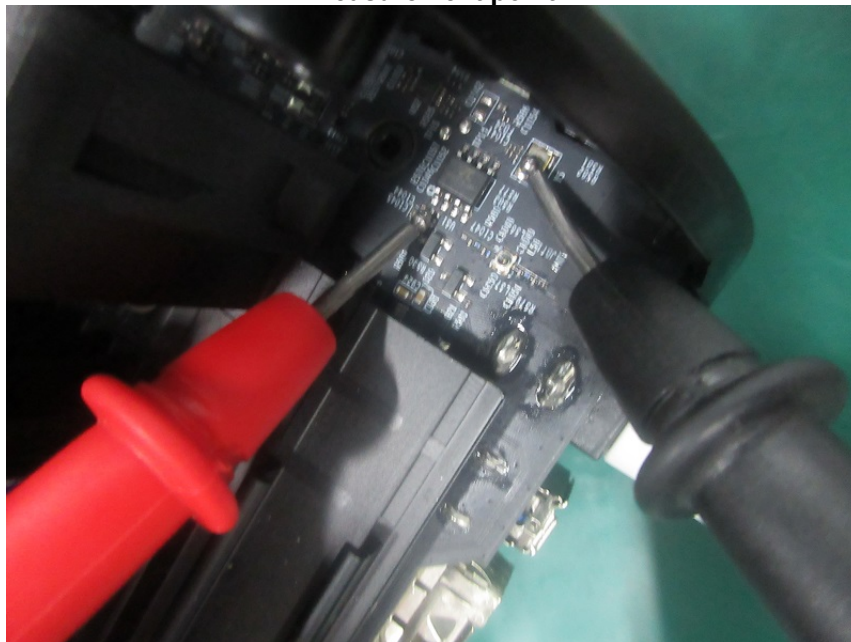
- 1) IEEE 802.11ax mode and IEEE 802.11be mode only support full RU, so only the full RU is evaluated and measured inside report.

Power Supply Voltage Fluctuation Test



Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input: AC Power	100V	110V	90V
Output: DC Power	3.328V	3.328V	3.328V
Voltage Variation (%)	-	0	0

Measurement point



Note:

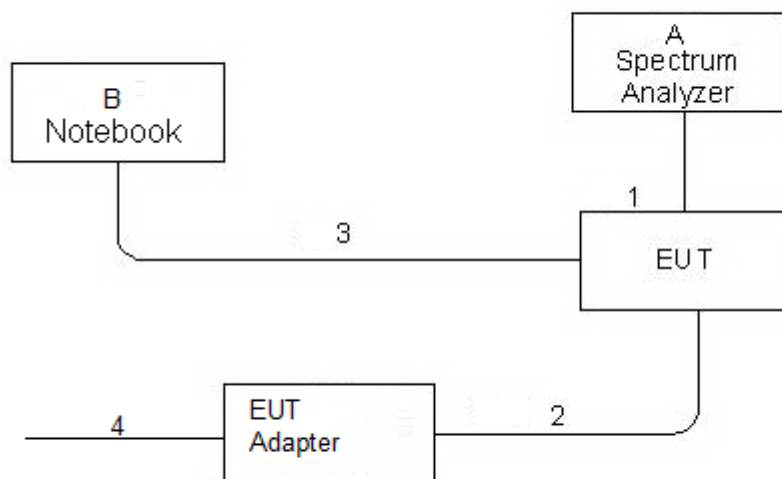
Voltage Variation (%)

= (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage * 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%.

Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulation.

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
A	Spectrum Analyzer	R&S	FSP38	100852
B	Notebook	DELL	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RF Cable	YES	NO	0.1m
2	DC POWER Cable	YES	NO	1.2m
3	CONTROL Cable	NO	NO	1.1m
4	AC POWER Cable	YES	NO	1.2m

2.5 TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level.

Vertical Antenna

Test Software Version	qdart_conn.win.1.0_installer_00097.1		
Frequency (MHz)	6115	6175	6415
IEEE 802.11ax(HE20)	11.5	11.5	-1
IEEE 802.11be(EHT20)	11.5	12	0
Frequency (MHz)	6125	6165	6405
IEEE 802.11ax(HE40)	11	11.5	11
IEEE 802.11be(EHT40)	11.5	12	11.5
Frequency (MHz)	6145	5225	6385
IEEE 802.11ax(HE80)	11.5	12	12.5
IEEE 802.11be(EHT80)	11.5	12	12.5
Frequency (MHz)	6185	6345	
IEEE 802.11ax(HE160)	11.5	12	
IEEE 802.11be(EHT160)	11.5	12.5	
Frequency (MHz)	6265		
IEEE 802.11be(EHT320)	11.5		

Horizontal Antenna

Test Software Version	qdart_conn.win.1.0_installer_00097.1		
Frequency (MHz)	6115	6175	6415
IEEE 802.11ax(HE20)	5.5	8	-5
IEEE 802.11be(EHT20)	6	8	-4
Frequency (MHz)	6125	6165	6405
IEEE 802.11ax(HE40)	6	8	9.5
IEEE 802.11be(EHT40)	6	7.5	8.5
Frequency (MHz)	6145	5225	6385
IEEE 802.11ax(HE80)	6.5	7.5	9
IEEE 802.11be(EHT80)	6.5	7.5	9.5
Frequency (MHz)	6185	6345	
IEEE 802.11ax(HE160)	6.5	8	
IEEE 802.11be(EHT160)	6.5	8	
Frequency (MHz)	6265		
IEEE 802.11be(EHT320)	7.5		

3. TEST RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 LIMIT

Item	Limits (See Article 5, Table1 of the Ordinance Regulating Radio Equipment)
Frequency Tolerance	-20≤ppm≤20

3.1.2 SETTING

The following table is the setting of spectrum analyzer.

Vertical Antenna:

Spectrum Parameter	Setting
Span	500kHz
RBW / VBW	30kHz / 30kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

Horizontal Antenna:

Spectrum Parameter	Setting
Span	20MHz systems: 25MHz 40MHz systems: 45MHz 80MHz systems: 85MHz 160MHz systems: 165MHz 320MHz systems: 325MHz
RBW / VBW	10kHz / 30kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.1.3 TEST PROCEDURES

Test method according to Clause 2 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

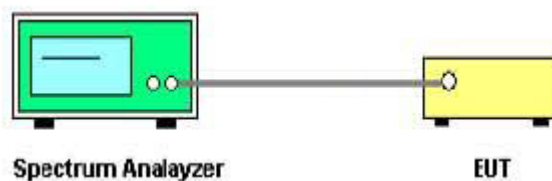
Vertical Antenna:

- Frequency accuracy of SA shall be less than 10% of limits tolerance (2ppm).
- Set spectrum analyzer with condition in section 3.1.2 and tune reference level to observe receiving signal position.
- Center Frequency: The center frequency of testing for EUT.
- EUT have transmitted absence of modulation signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, f_c is declaring of channel frequency.
Then the frequency error formula is $(f_c - f) / f_c \times 10^6$ ppm and the limit is less than ± 20 ppm.

Horizontal Antenna:

1. Frequency accuracy of SA shall be less than 10% of limits tolerance (2ppm).
2. Set spectrum analyzer with condition in section 3.1.2 and tune reference level to observe receiving signal position.
3. Center Frequency: The center frequency of testing for EUT.
4. EUT have transmitted modulation signal and fixed channelize. The peak value of the power envelope shall be measured and noted. The span shall be reduced and the marker moved in a positive frequency increment until the upper, (relative to the centre frequency), -10 dBc point is reached. This value shall be noted as f1. The marker shall then be moved in a negative frequency increment until the lower, (relative to the centre frequency), -10 dBc point is reached. This value shall be noted as f2. f is calculated as $(f1 + f2) / 2$, fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ± 20 ppm.

3.1.4 TEST SETUP LAYOUT



3.1.5 TEST DEVIATION

There is no deviation with the original standard.

3.1.6 EUT OPERATION DURING TEST

The EUT was placed on the test table and programmed in un-modulation or modulation function.

3.1.7 TEST RESULTS

Please refer to the Appendix A.

3.2 OCCUPIED BANDWIDTH MEASUREMENT

3.2.1 LIMIT

Item	Limits (See Article 6, Table2 and Article 49-20, Item1-h,i of the Ordinance Regulating Radio Equipment)
Occupied Bandwidth	20MHz systems≤20MHz 40MHz systems≤40MHz 80MHz systems≤80MHz 160MHz systems≤160MHz 320MHz systems≤320MHz

3.2.2 SETTING

The following table is the setting of spectrum analyzer.

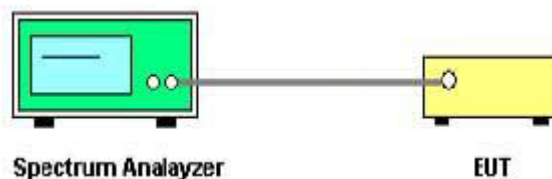
Spectrum Parameter	Setting
Span	20MHz systems: 50MHz 40MHz systems: 80MHz 80MHz systems: 160MHz 160MHz systems: 320MHz 320MHz systems: 640MHz
RBW / VBW	300kHz / 300kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.2.3 TEST PROCEDURES

Test method according to Clause 3 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

1. Set spectrum analyzer with condition in section 3.2.2 and tune reference level to observe receiving signal position.
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than table 3.2.1.

3.2.4 TEST SETUP LAYOUT



3.2.5 TEST DEVIATION

There is no deviation with the original standard.

3.2.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.2.7 TEST RESULTS

Please refer to the Appendix B.

3.3 UNWANTED EMISSION INTENSITY MEASUREMENT

3.3.1 LIMIT

Item	Limits (See Article 2 Paragraph 1 of Item 80)	Equipment Mode
TX Spurious Emission (EIRP) For 20MHz systems	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)	LPI
	6425MHz ~ 6435.9MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)	
	6435.9MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
TX Spurious Emission (EIRP) For 40MHz systems	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)	
	6425MHz ~ 6440.1MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)	
	6440.1MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
TX Spurious Emission (EIRP) For 80MHz systems	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)	
	6425MHz ~ 6440.4MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)	
	6440.4MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
TX Spurious Emission (EIRP) For 160MHz systems	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)	
	6425MHz ~ 6425.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)	
	6425.5MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	
TX Spurious Emission (EIRP) For 320MHz systems	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)	
	6425MHz ~ 6425.7MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)	
	6425.7MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)	

Frequency Range	30MHz ~ 1GHz	1GHz ~ 2.5GHz	2.5GHz ~ 6GHz	6GHz ~ 12.5GHz	12.5GH ~ 26GHz
Cable Loss (dB)	20.39	20.39	20.39	20.39	20.39

Note: The cable loss already includes antenna gain.

3.3.2 SETTING

The following table is the setting of spectrum analyzer.

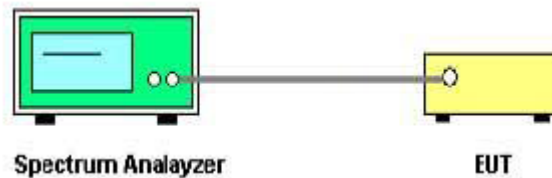
Spectrum Parameter	Setting
RBW / VBW	1MHz / 1MHz
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.3.3 TEST PROCEDURES

Test method according to Clause 4 & Clause 5 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Set spectrum analyzer with condition in section 3.3.2 and tune reference level to observe receiving signal position.
3. Setting of SA with frequency in section 3.3.1 , then to mark peak reading value + cable loss + Max Ant. Gain shall be less than Limit.
4. Sweep with every specified sweep bandwidth and find maximum power value of each band. Then transform the found values of "Pa" to "Poa" using following formula and if corresponding EIRP "Poa" (dBm/MHz) satisfies regulated limitation, skip the next procedure 3 and record the "Poa" as measurement results. Poa is calculated by following formula $Poa = Pa + Gt - Lf$ Pa: found values in the measurment of out of band leakage power (dBm/MHz) Gt: Antenna gain at the frequency of the found values (dBi) Lf: Cable loss at the frequency of the found values (dB).
5. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like time domain power measurement as Result_Value.

3.3.4 TEST SETUP LAYOUT



3.3.5 TEST DEVIATION

There is no deviation with the original standard.

3.3.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.3.7 TEST RESULTS

Please refer to the Appendix C.

3.4 ANTENNA POWER TOLERANCE MEASUREMENT

3.4.1 LIMIT

Item	Limits
	(See Article 49-20. 4 of the Ordinance Regulating Radio Equipment)
Antenna Power Density	20MHz systems ≤ 10 mW/MHz
	40MHz systems ≤ 5 mW/MHz
	80MHz systems ≤ 2.5 mW/MHz
	160MHz systems ≤ 1.25 mW/MHz
	320MHz systems ≤ 0.625 mW/MHz
EIRP Density (LPI Mode)	20MHz systems ≤ 10 mW/MHz
	40MHz systems ≤ 5 mW/MHz
	80MHz systems ≤ 2.5 mW/MHz
	160MHz systems ≤ 1.25 mW/MHz
	320MHz systems ≤ 0.625 mW/MHz
Antenna Power Tolerance	+20% ~ -80% (Base on manufacturer declare antenna power density)

3.4.2 SETTING

The following table is the setting of spectrum analyzer.

Step 1:

Spectrum Parameter	Setting
Span	20MHz systems: 20MHz 40MHz systems: 40MHz 80MHz systems: 80MHz 160MHz systems: 160MHz 320MHz systems: 320MHz
RBW / VBW	1MHz / 1MHz
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

Step 3:

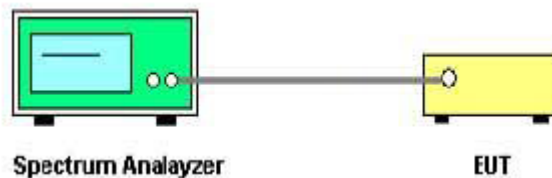
Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	1MHz / 1MHz
Detector	RMS
Trace	Max Hold
Sweep Time	60s

3.4.3 TEST PROCEDURES

Test method according to Clause 6 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

1. Set spectrum analyzer with condition in section 3.4.2 Step 1 and tune reference level to observe receiving signal position.
2. When the trace is complete, find the peak value of the power envelope and record the frequency.
3. Set spectrum analyzer with condition in section 3.4.2 Step 3 and tune reference level to observe receiving signal position. The detector mode "Average" is often referred to as "RMS Average" or "Sample" but do not use Video Average.
4. When the trace is complete, capture the trace, for example using the "View" option on the spectrum analyser.
Find the peak value of the trace and place the analyser marker on this peak. This level is recorded as the highest mean power (spectral power density) in a 1 MHz band.
5. The maximum e.i.r.p. spectral density is calculated from the above measured power density (D), the observed duty cycle x (see clause 5.7.2.2, step 1), and the applicable antenna assembly gain "G" in dBi, according to the formula below. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the highest gain shall be used.
• $PD = D + G + 10 \log (1/x)$.

3.4.4 TEST SETUP LAYOUT



3.4.5 TEST DEVIATION

There is no deviation with the original standard.

3.4.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.4.7 TEST RESULTS

Please refer to the Appendix D.

3.5 ADJACENT CHANNEL EMITTED POWER MEASUREMENT

3.5.1 LIMIT

Item	Limits (See 49-20 Item1-e of the Ordinance Regulating Radio Equipment)
Adjacent Channel Emitted Power	≥ 25 dB $f \pm 20$ MHz (20MHz systems) $f \pm 40$ MHz (40MHz systems) $f \pm 80$ MHz (80MHz systems) $f \pm 160$ MHz (160MHz systems) $f \pm 320$ MHz (320MHz systems)
	≥ 40 dB $f \pm 40$ MHz (20MHz systems) $f \pm 80$ MHz (40MHz systems) $f \pm 160$ MHz (80MHz systems) $f \pm 320$ MHz (160MHz systems)

3.5.2 SETTING

The following table is the setting of spectrum analyzer.

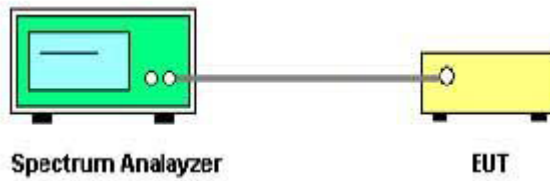
Spectrum Parameter	Setting
Span	20MHz systems: 200MHz 40MHz systems: 400MHz 80MHz systems: 500MHz 160MHz systems: 1000MHz 320MHz systems: 1200MHz
RBW / VBW	300kHz / 300kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.5.3 TEST PROCEDURES

Test method according to Clause 7 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

- EUT have transmitted the maximum modulation signal and fixed channelize.
- Set spectrum analyzer with condition in section 3.5.2 and tune reference level to observe receiving signal position.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz). Then SA automatically calculate the channel power of EUT and A is representative of this channel power.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) ± 20 MHz. Then SA automatically calculate the first adjacent channel power of EUT and B is representative of this first adjacent channel power.
- SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) ± 40 MHz. Then SA automatically calculate the second adjacent channel power of EUT and C is representative of this first adjacent channel power.
- Conclusion that A - B is more than 25dB and A - C is more than 40dB.

3.5.4 TEST SETUP LAYOUT



3.5.5 TEST DEVIATION

There is no deviation with the original standard.

3.5.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.5.7 TEST RESULTS

Please refer to the Appendix E.

3.6 LIMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

3.6.1 LIMIT

Item	Limits (See Article 24, Paragraph 2 of the Ordinance Regulating Radio Equipment)
	≤4nW (f<1GHz)
RX Spurious Emission	≤20nW (1GHz≤f)

Frequency Range	30MHz ~ 1GHz	1GHz ~ 2.5GHz	2.5GHz ~ 6GHz	6GHz ~ 12.5GHz	12.5GHz ~ 26GHz
Cable Loss (dB)	1	1	1	1	1

3.6.2 SETTING

The following table is the setting of spectrum analyzer.

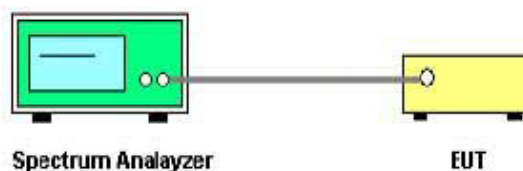
Spectrum Parameter	Setting
RBW / VBW	100 kHz / 100 kHz (30 MHz ~ 1000 MHz) 1MHz / 1MHz (Above 1000MHz)
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.6.3 TEST PROCEDURES

Test method according to Clause 8 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

- EUT have the continuous reception mode and fixed only one channelize.
- Set spectrum analyzer with condition in section 3.6.2 and tune reference level to observe receiving signal position.
- SA set RBW: 100kHz and VBW: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
- SA set RBW: 1MHz and VBW: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 26000MHz. Search to mark peak reading value + cable loss shall be less than 20nW.
- If power level of lower emissions are more than 1/10 of limit (0.4nW for f < 1GHz, 2nW for f ≥ 1GHz), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

3.6.4 TEST SETUP LAYOUT



3.6.5 TEST DEVIATION

There is no deviation with the original standard.

3.6.6 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously receiving mode.

3.6.7 TEST RESULTS

Please refer to the Appendix F.

3.7 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

3.7.1 LIMIT

Item	Limits (See Article 9-4, Item9-C of the Ordinance Regulating Radio Equipment)
Identification code	The wireless equipment of the radio station mainly used in the same station automatically sends or receives the identification code.

3.7.2 MEASURING ID CODE SOFTWARE

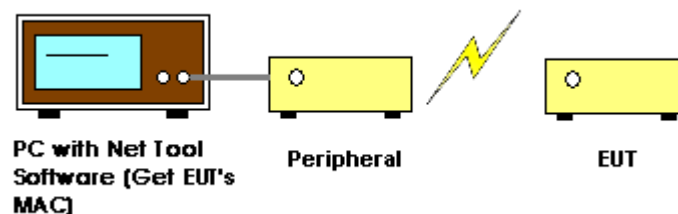
PC with Net Tool	Setting
MAC IP List	MAC Scan

3.7.3 TEST PROCEDURES

Test method according to Clause 9 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - a. Transmit the predetermined identification codes form EUT.
 - b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code:
 - a. Transmit the predetermined identification codes form the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes form the counterpart.
 - d. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

3.7.4 TEST SETUP LAYOUT



3.7.5 TEST DEVIATION

There is no deviation with the original standard.

3.7.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

3.7.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILIT

Test Power:	Normal Voltage
Test Mode:	IEEE 802.11ax(HE20)
Test Result:	Pass (identification code: [F8-E4-3B-E2-7E-78])

F8-E4-3B-E2-7E-78

3.8 TRANSMISSION BURST LENGTH MEASUREMENT

3.8.1 LIMIT

Item	Limits
	(See 49-20 Item1-e of the Ordinance Regulating Radio Equipment)
Transmission Burst Length	≤ 8 ms

3.8.2 SETTING

The following table is the setting of spectrum analyzer.

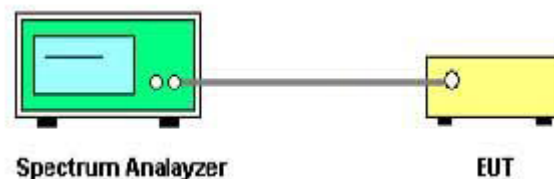
Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	10MHz / 10MHz
Sweep	Single
Detector	Peak
Trigger mode	Video

3.8.3 TEST PROCEDURES

Test method according to Clause 10 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set spectrum analyzer with condition in section 3.8.2 and tune reference level to observe receiving signal position.
3. Use a video trigger with the trigger level set to enable triggering only on full pulses.
4. Sweep Time is more than once pulse time.
5. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
6. Measure the maximum time duration of one single pulse.

3.8.4 TEST SETUP LAYOUT



3.8.5 TEST DEVIATION

There is no deviation with the original standard.

3.8.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

3.8.7 TEST RESULTS

Please refer to the Appendix G.

3.9 CARRIER SENSE CAPABILITY MEASUREMENT

3.9.1 LIMIT

Item	Limits (See Article 49-20, Item1-k of the Ordinance Regulating Radio Equipment)
Carrier Sense Capability	Field intensity in the direction of the maximum gain of a receiving antenna:100mV/m. *Start transmission after performing a carrier sense. However, when transmission and reception are controlled from other radio equipment, and when the radio equipment which performed transmission resumes transmission within 8 millisecond after a career sense, it can omit performing a career sense.

3.9.2 SETTING

The following table is the setting of spectrum analyzer.

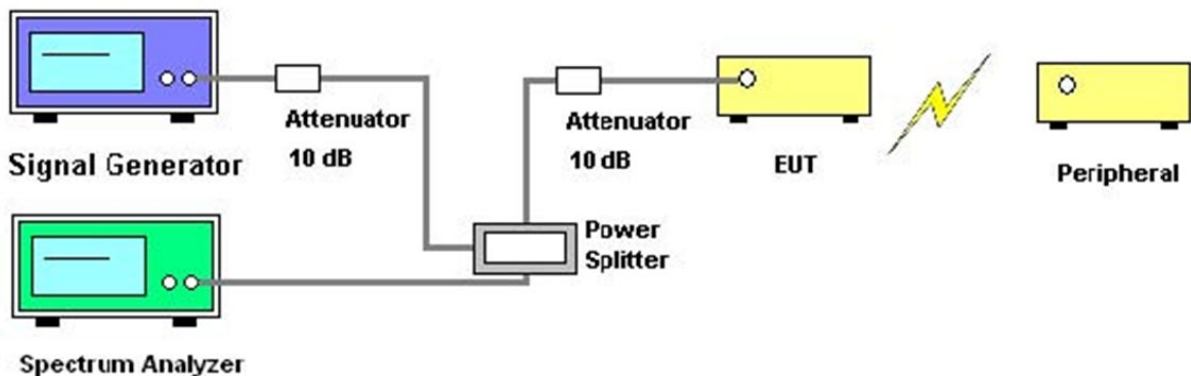
Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	1MHz / 1MHz
Sweep	Continuous
Detector	Peak
Trigger mode	Video

3.9.3 TEST PROCEDURES

Test method according to Clause 11 of Specified Radio Equipment Article 2 Paragraph 1 of item 80.

- SSG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SSG and power level is $(On\ 22.79 + Gr - 20 * \log(f) [dBm])$ (Gr: dBi; f:MHz). Then turn off the RF signal of SSG.
- EUT have transmitted the maximum modulation signal and fixed channelize.
- Set spectrum analyzer with condition in section 3.9.2 and tune reference level to observe receiving signal position.
- SSG RF Signal On.
- EUT shall be stop the transmitted any signal and SSG RF Signal Off. Then EUT will be continuous transmitted signal.

3.9.4 TEST SETUP LAYOUT



3.9.5 TEST DEVIATION

There is no deviation with the original standard.

3.9.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

3.9.7 TEST RESULTS

Please refer to the Appendix H.

3.10 CONSTRUCTION PROTECTION CONFIRMATION METHOD

3.10.1 LIMIT

(See Article 49-20, Item1-a of the Ordinance Regulating Radio Equipment).

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

3.10.2 CONFIRMATION METHOD

The RF and modulation portions are protected against illegal modification as following method:

Tick the appropriate box	
☐	1. Sealed with special screws.
☐	2. Plastic chassis is being welded using ultrasonic waves.
☐	3. Chassis is glued using a special adhesive.
☐	4. Metal covers are spot-fused.
☐	5. Cover is specially interlocked.
☐	6. RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	7. Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	8. Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	9. Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☒	10. RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable part on PCB or adjustable parts are not exposed.

4. LIST OF MEASURING EQUIPMENTS

Kind of Equipment	Manufacturer	Model No.	Serial No.	Validity Date	Calibration Agency	Class Information
FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2026	CEPREI Calibration and Testing Center	(c)
CTA	BTL	CTA	N/A	N/A	N/A	-
Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A	N/A	-
AC power source	Preen	AFC-S-1250	F123080107	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
Multimeter	FLUKE	15B+(TR13)	45123773W S	May 17, 2026	CEPREI Calibration and Testing Center	(c)
EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
MXG Vector Signal Generator	Keysight	N5182B	MY57300568	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
Frequency Extender	Keysight	N5182BX07	MY61500188	Feb. 01, 2027	CEPREI Calibration and Testing Center	(c)
Power Splitter	N/A	N/A	SZ20150493 3	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
Power Splitter	Mini-Circuits	ZN4PD-642W-S +	SN80632161 8-1	May 17, 2026	CEPREI Calibration and Testing Center	(c)
Shielding box	CRYSOUND	CRY703D	N/A	N/A	N/A	-
Cable	RegalWay	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Cable	RegalWay	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Cable	RegalWay	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Cable	RegalWay	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Cable	RegalWay	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Cable	Woke	N/A	N/A	N/A	N/A	-
Cable	Woke	N/A	RWP50-402-SMSM-1M	N/A	N/A	-
Archer TXE75E	TP-LINK	TXE75E	N/A	N/A	N/A	-
Power Splitter	Mini-Circuits	ZN4PD-642W-S +	SN80632161 8-2	May 17, 2026	CEPREI Calibration and Testing Center	(c)

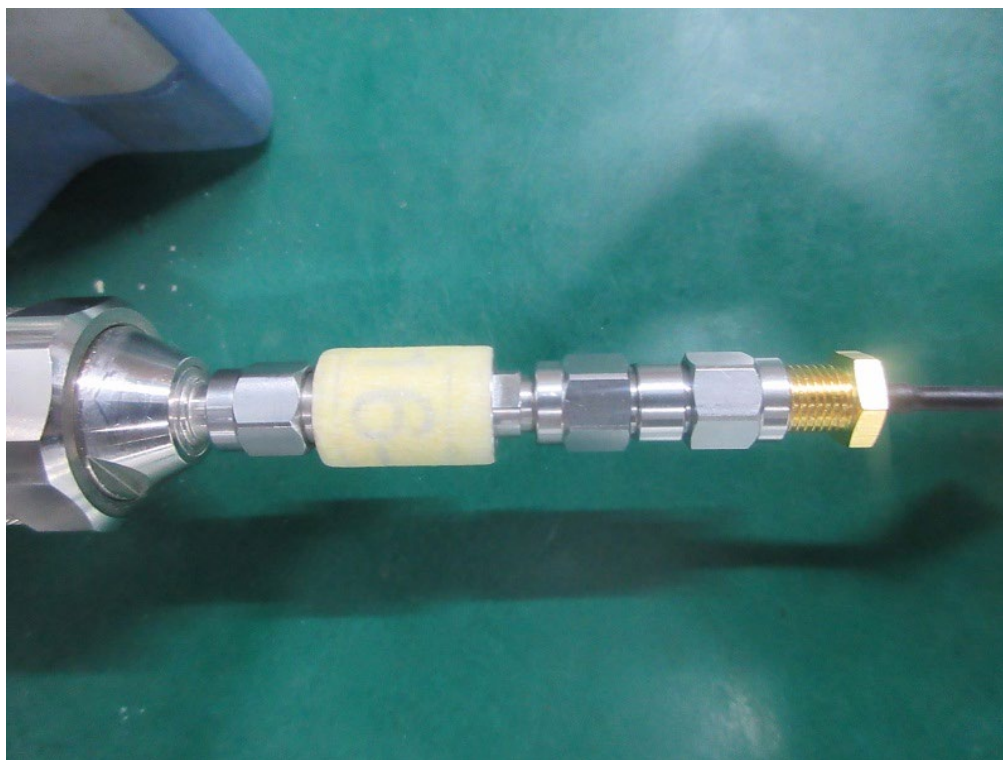
Remark:

- Calibration conducted by the National Institute of Information and Communications Technology (NITC) in Japan (hereinafter referred to as "NITC") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
- Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No.51 of 1992).
- Calibration conducted in countries except Japan, which shall be equivalent to the calibration Conducted by the NITC or a designation agency under Article 102-18 paragraph (1).
- Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No.3, which shall have been given any type of calibration, etc. listed above from (a) to (c). From JRL Article 24-2, paragraph 4, item 2.

Note:

1. "N/A" denotes the equipment is verified or confirmed internally by test lab.
2. The calibration interval of the above test instruments is 12 months.
3. The Calibration Agency(CHINA CEPREI LABORATORY) address for the Building 9, No. 78, West Zhucun Avenue, Zhucun Street, Zengcheng District, Guangzhou City.

5. EUT TEST PHOTO



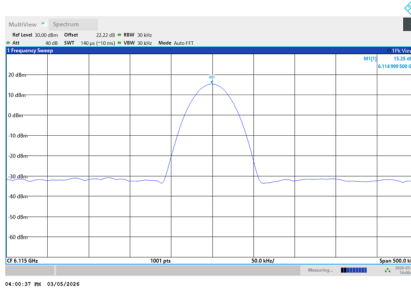
APPENDIX A - FREQUENCY TOLERANCE

Vertical Antenna

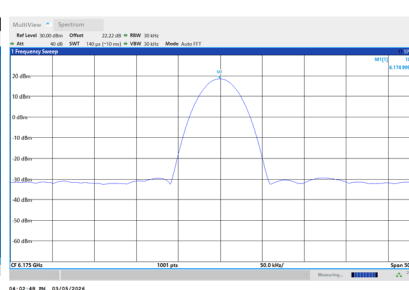
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6114.9995	6174.9990	6414.9990	-
Frequency Tolerance (ppm)	-0.08	-0.16	-0.16	Limit: $-20 \leq \text{ppm} \leq 20$

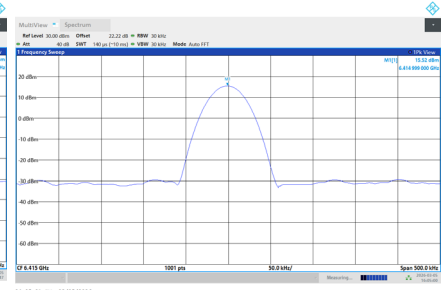
CH33



CH45



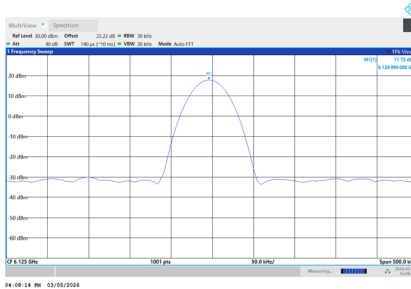
CH93



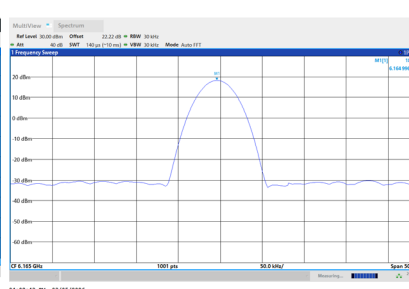
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6124.9960	6164.9960	6404.9960	-
Frequency Tolerance (ppm)	-0.65	-0.65	-0.62	Limit: $-20 \leq \text{ppm} \leq 20$

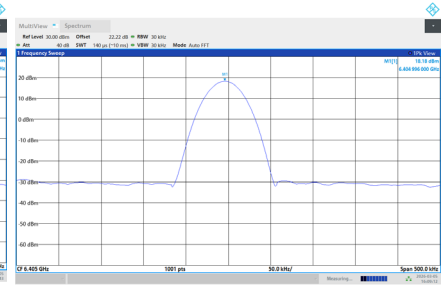
CH35



CH43



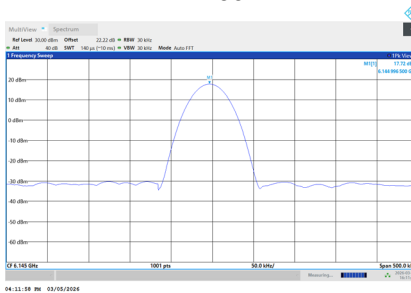
CH91



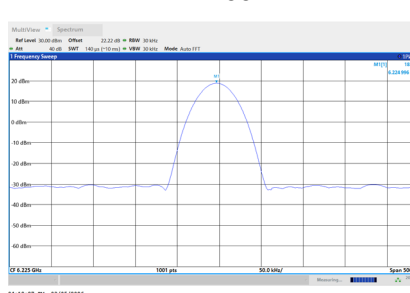
Test Mode: IEEE 802.11ax(HE80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6144.9965	6224.9965	6384.9970	-
Frequency Tolerance (ppm)	-0.57	-0.56	-0.47	Limit: $-20 \leq \text{ppm} \leq 20$

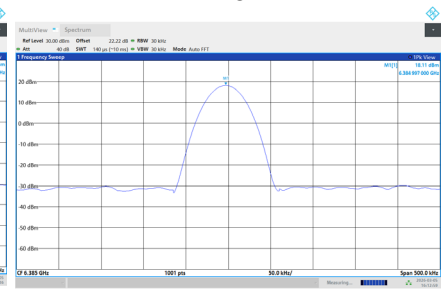
CH39



CH55



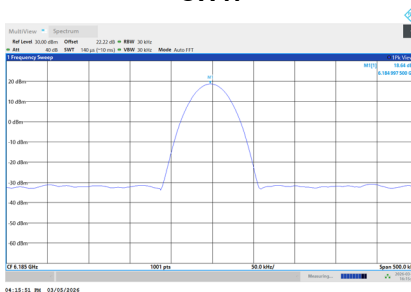
CH87



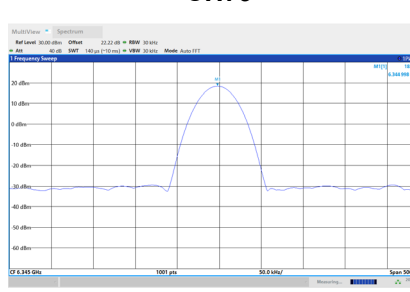
Test Mode: IEEE 802.11ax(HE160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6184.9975	6344.9980	-
Frequency Tolerance (ppm)	-0.40	-0.32	Limit: $-20 \leq \text{ppm} \leq 20$

CH47



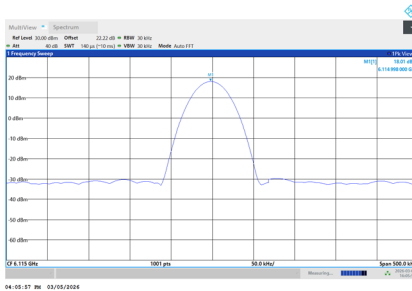
CH79



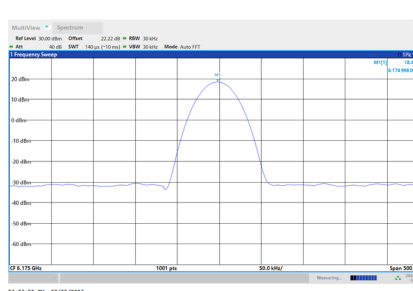
Test Mode: IEEE 802.11be(EHT20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6114.9980	6174.9980	6414.9970	-
Frequency Tolerance (ppm)	-0.33	-0.32	-0.47	Limit: $-20 \leq \text{ppm} \leq 20$

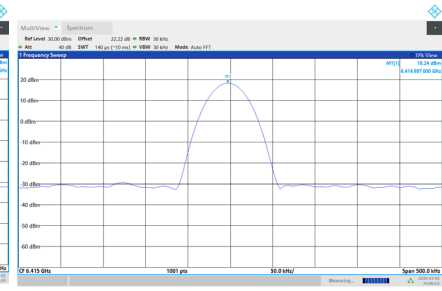
CH33



CH45



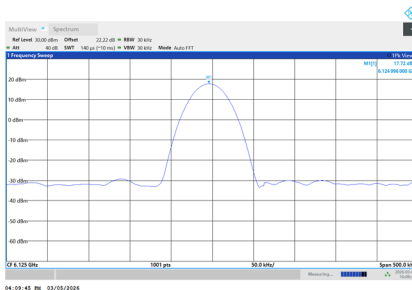
CH93



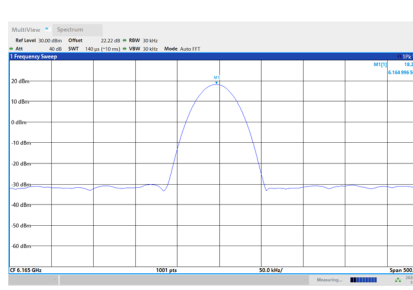
Test Mode: IEEE 802.11be(EHT40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6124.9960	6164.9965	6404.9960	-
Frequency Tolerance (ppm)	-0.65	-0.57	-0.62	Limit: $-20 \leq \text{ppm} \leq 20$

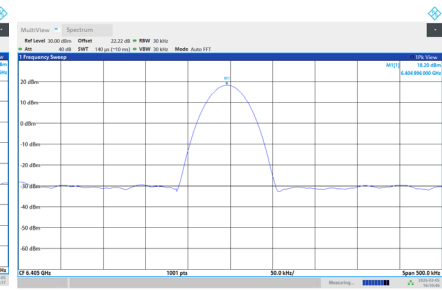
CH35



CH43



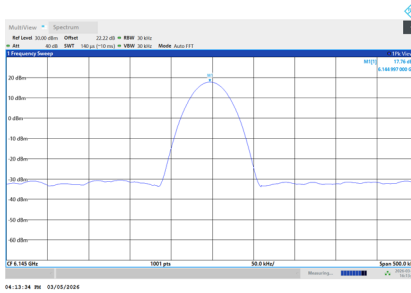
CH91



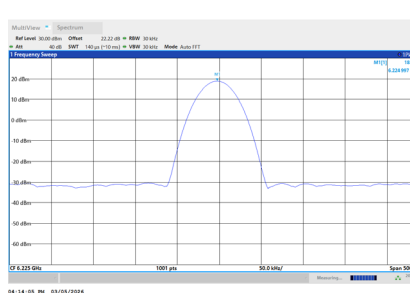
Test Mode: IEEE 802.11be(EHT80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6144.9970	6224.9975	6384.9975	-
Frequency Tolerance (ppm)	-0.49	-0.40	-0.39	Limit: $-20 \leq \text{ppm} \leq 20$

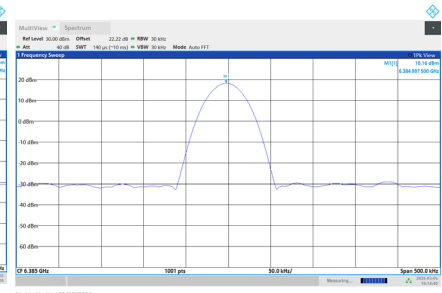
CH39



CH55



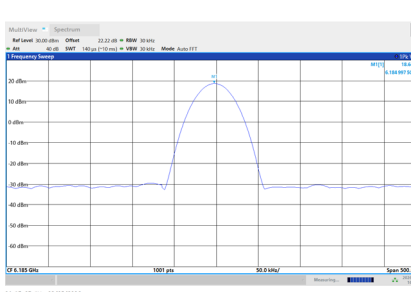
CH87



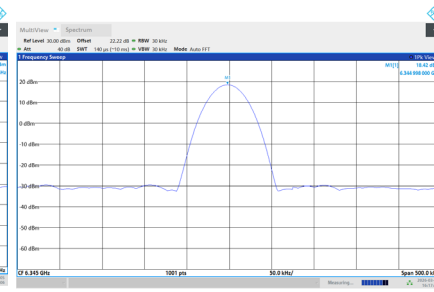
Test Mode: IEEE 802.11be(EHT160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6184.9975	6344.9980	-
Frequency Tolerance (ppm)	-0.40	-0.32	Limit: $-20 \leq \text{ppm} \leq 20$

CH47



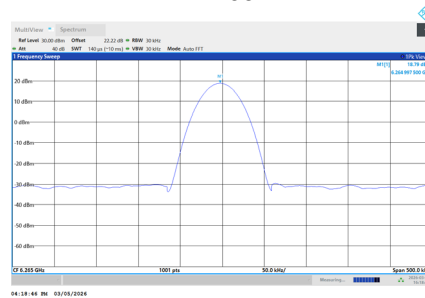
CH79



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6264.9975	-
Frequency Tolerance (ppm)	-0.40	Limit: $-20 \leq \text{ppm} \leq 20$

CH63

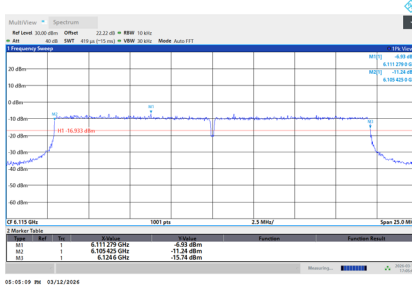


Horizontal Antenna

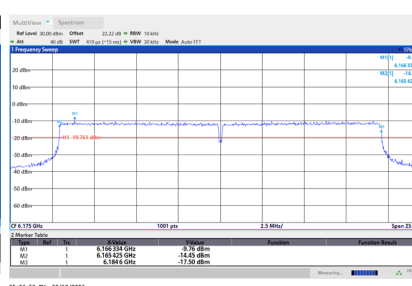
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6115.013	6175.013	6415.0130	-
Frequency Tolerance (ppm)	-2.02	-2.02	-1.95	Limit: $-20 \leq \text{ppm} \leq 20$

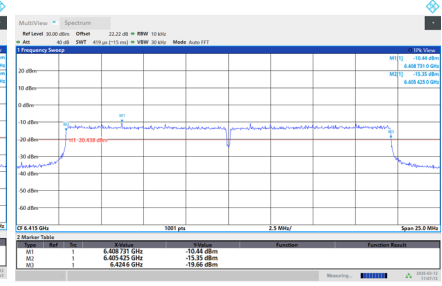
CH33



CH45



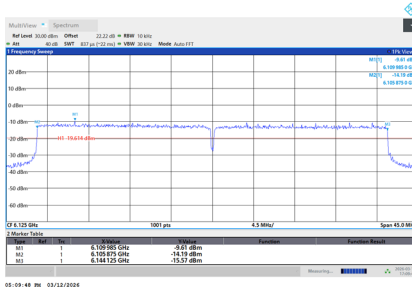
CH93



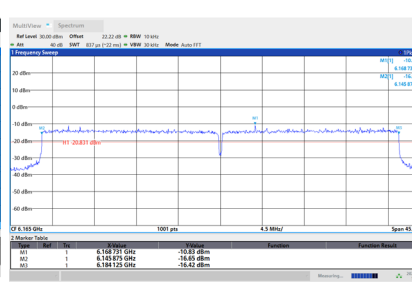
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6125	6165	6405	-
Frequency Tolerance (ppm)	0	0	0	Limit: $-20 \leq \text{ppm} \leq 20$

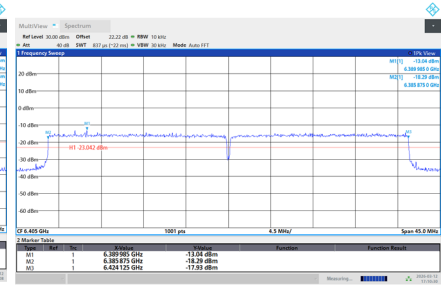
CH35



CH43



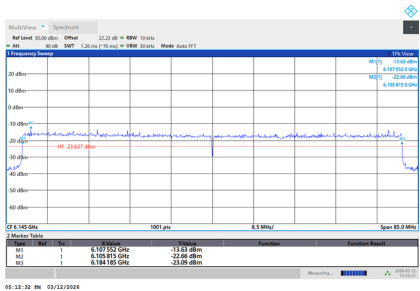
CH91



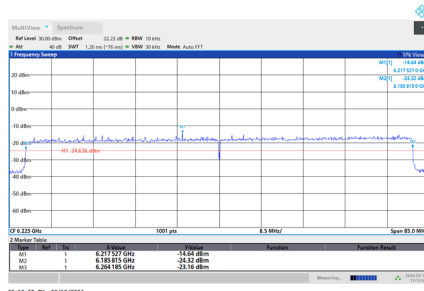
Test Mode: IEEE 802.11ax(HE80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6145	6225	6385.0430	-
Frequency Tolerance (ppm)	0	0	-6.66	Limit: $-20 \leq \text{ppm} \leq 20$

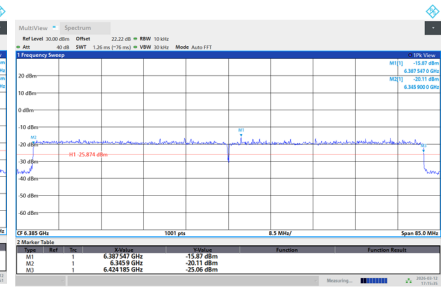
CH39



CH55



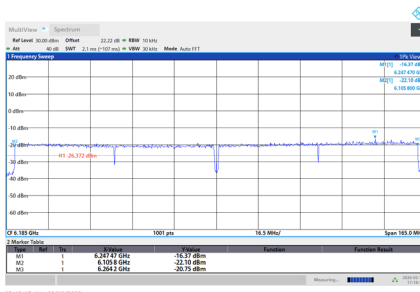
CH87



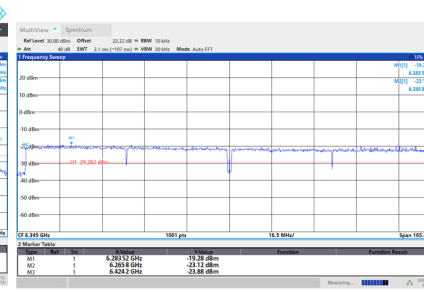
Test Mode: IEEE 802.11ax(HE160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6185	6345	-
Frequency Tolerance (ppm)	0	0	Limit: $-20 \leq \text{ppm} \leq 20$

CH47



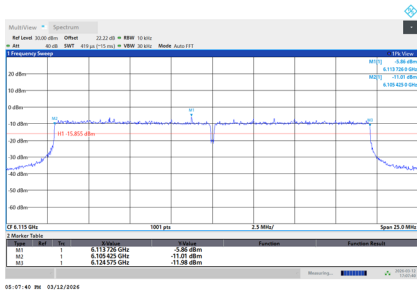
CH79



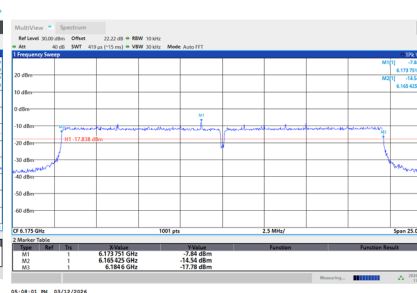
Test Mode:	IEEE 802.11be(EHT20)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6115	6175.013	6415.013	-
Frequency Tolerance (ppm)	0	-2.02	-1.95	Limit: $-20 \leq \text{ppm} \leq 20$

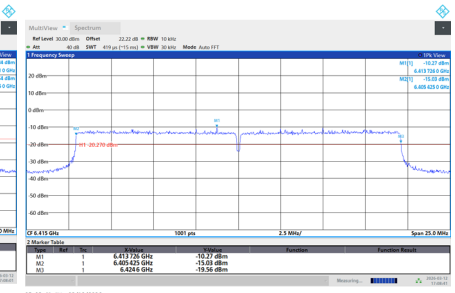
CH33



CH45



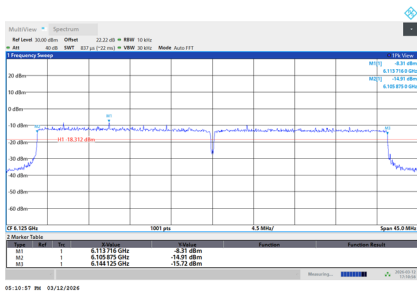
CH93



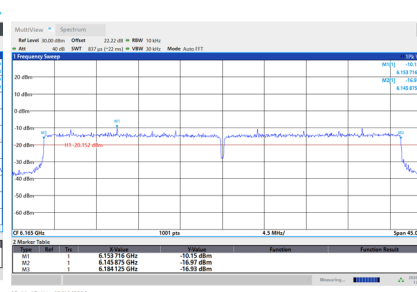
Test Mode:	IEEE 802.11be(EHT40)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6125	6165	6405	-
Frequency Tolerance (ppm)	0	0	0	Limit: $-20 \leq \text{ppm} \leq 20$

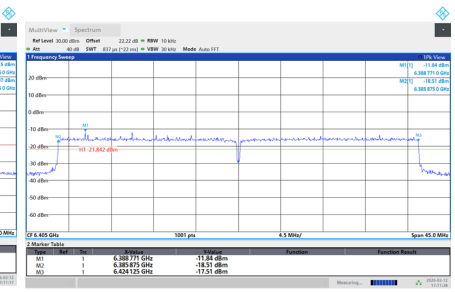
CH35



CH43



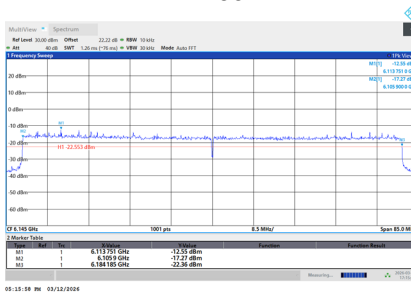
CH91



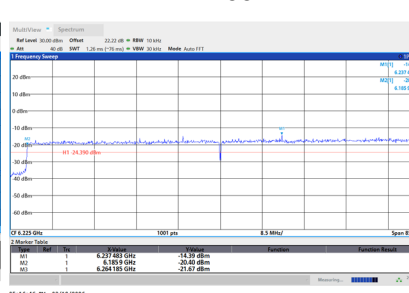
Test Mode: IEEE 802.11be(EHT80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6145.043	6225.043	6385	-
Frequency Tolerance (ppm)	-6.92	-6.83	0	Limit: $-20 \leq \text{ppm} \leq 20$

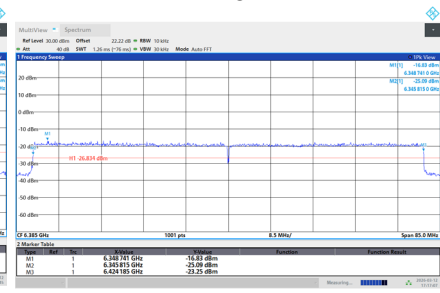
CH39



CH55



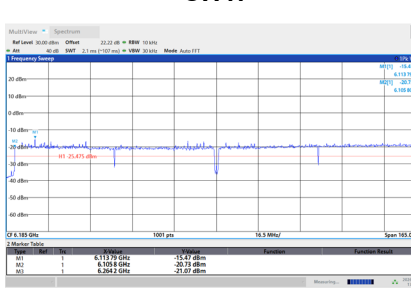
CH87



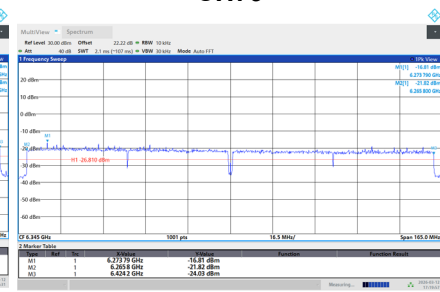
Test Mode: IEEE 802.11be(EHT160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6185	6345	-
Frequency Tolerance (ppm)	0	0	Limit: $-20 \leq \text{ppm} \leq 20$

CH47



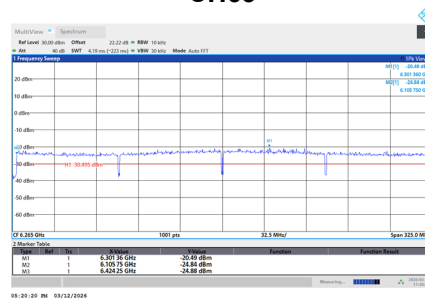
CH79



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Measured Frequency (MHz)	6265	-
Frequency Tolerance (ppm)	0	Limit: -20≤ppm≤20

CH63



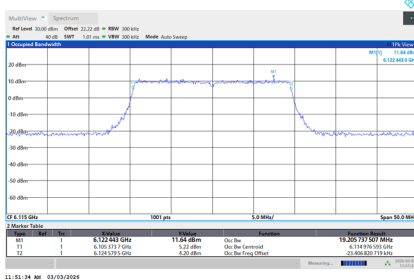
APPENDIX B - OCCUPIED BANDWIDTH

Vertical Antenna

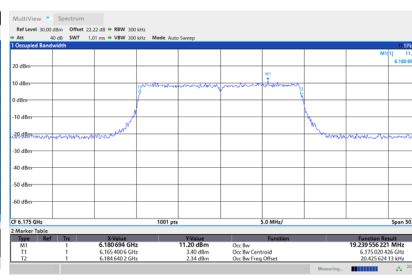
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	19.21	19.24	19.25	Limit ≤ 20 MHz

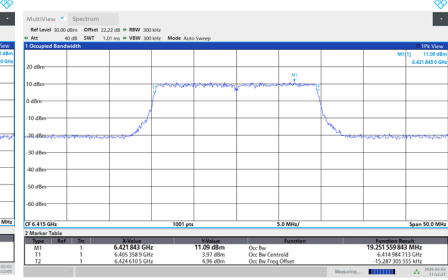
CH33 (99 %)



CH45 (99 %)



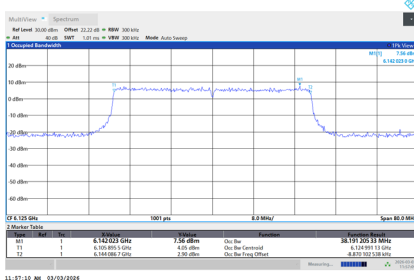
CH93 (99 %)



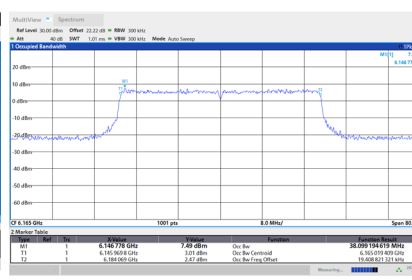
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	38.19	38.10	38.11	Limit ≤ 40 MHz

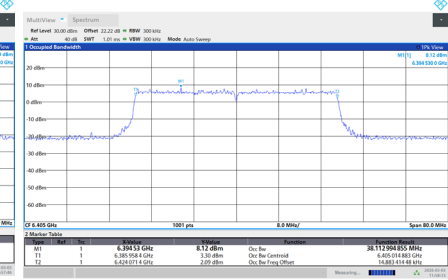
CH35 (99 %)



CH43 (99 %)



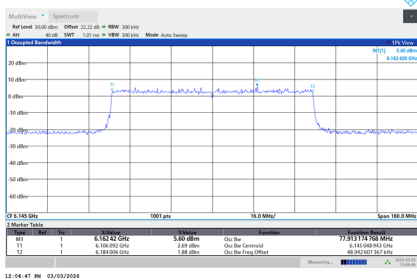
CH91 (99 %)



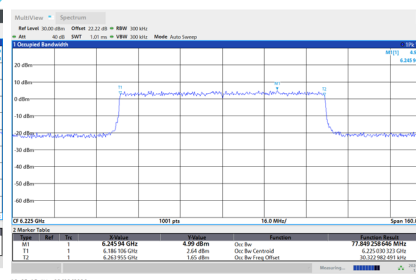
Test Mode: IEEE 802.11ax(HE80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	77.91	77.85	77.90	Limit ≤ 80 MHz

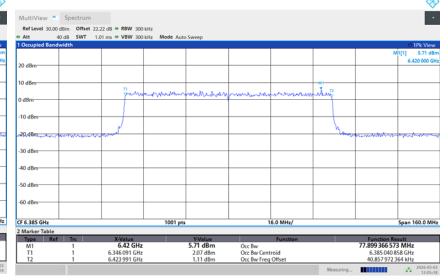
CH39 (99 %)



CH55 (99 %)



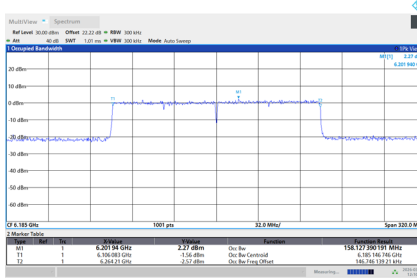
CH87 (99 %)



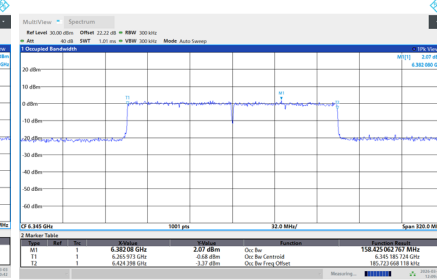
Test Mode: IEEE 802.11ax(HE160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	158.13	158.43	Limit ≤ 160 MHz

CH47 (99 %)



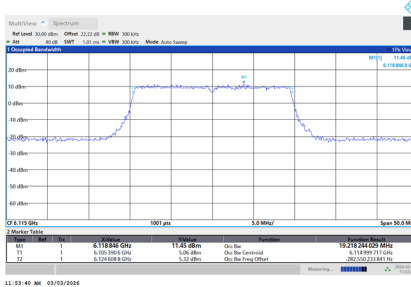
CH79 (99 %)



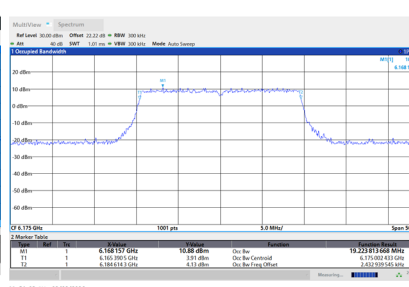
Test Mode:	IEEE 802.11be(EHT20)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	19.22	19.22	19.21	Limit ≤ 20 MHz

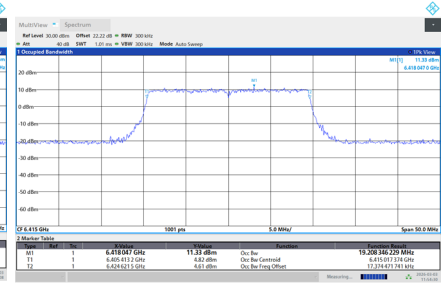
CH33 (99 %)



CH45 (99 %)



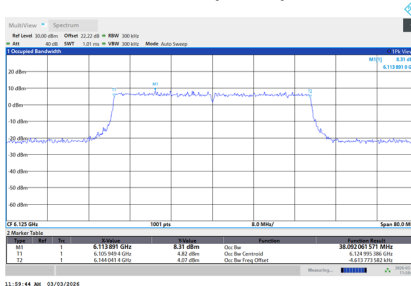
CH93 (99 %)



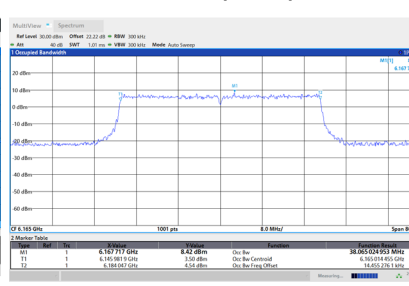
Test Mode:	IEEE 802.11be(EHT40)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	38.09	38.07	38.13	Limit ≤ 40 MHz

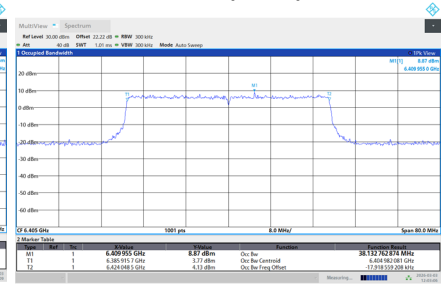
CH35 (99 %)



CH43 (99 %)



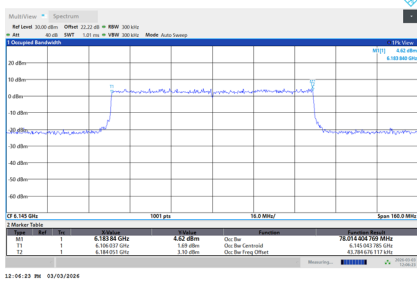
CH91 (99 %)



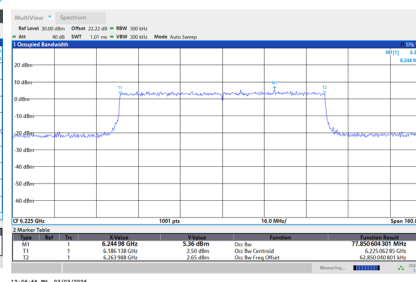
Test Mode:	IEEE 802.11be(EHT80)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	78.01	77.85	77.93	Limit ≤ 80 MHz

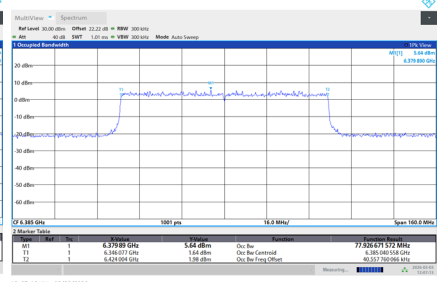
CH39 (99 %)



CH55 (99 %)



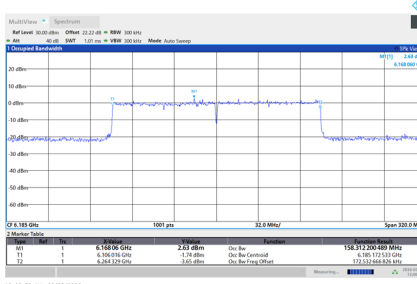
CH87 (99 %)



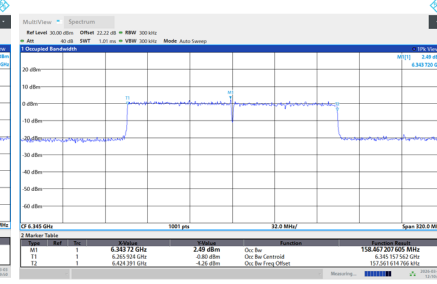
Test Mode:	IEEE 802.11be(EHT160)
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Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	158.31	158.47	Limit ≤ 160 MHz

CH47 (99 %)



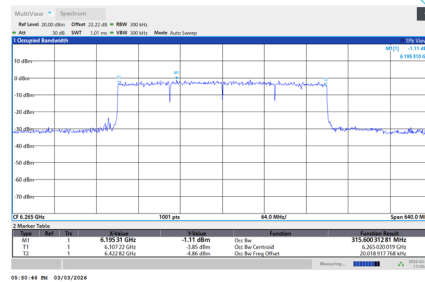
CH79 (99 %)



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	315.60	Limit $\leq$ 320 MHz

CH63 (99 %)

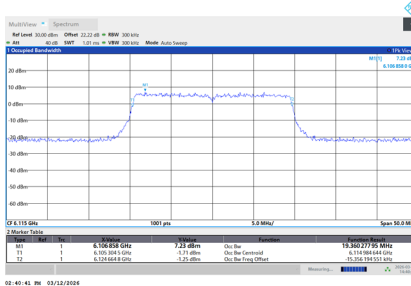


Horizontal Antenna

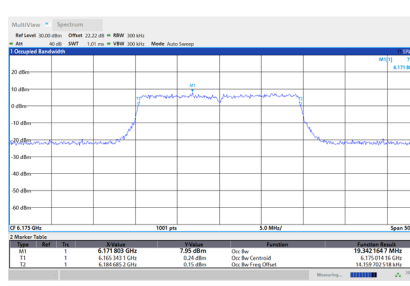
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	19.36	19.34	19.414	Limit ≤ 20 MHz

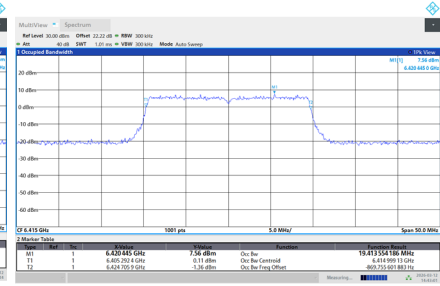
CH33 (99 %)



CH45 (99 %)



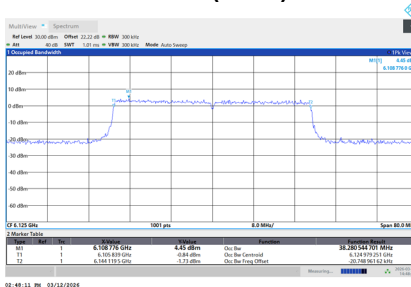
CH93 (99 %)



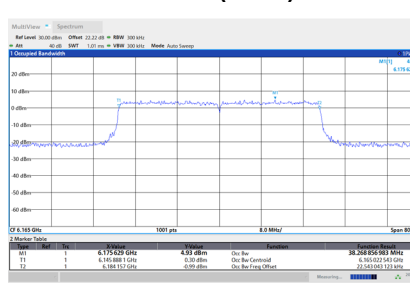
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	38.28	38.27	38.26	Limit ≤ 40 MHz

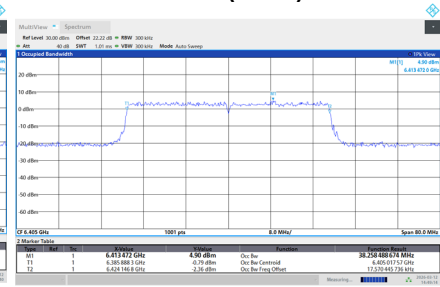
CH35 (99 %)



CH43 (99 %)



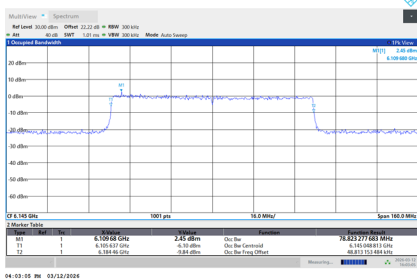
CH91 (99 %)



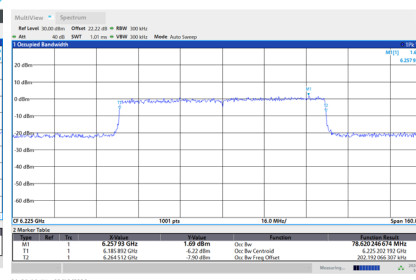
Test Mode:	IEEE 802.11ax(HE80)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	78.82	78.62	78.95	Limit ≤ 80 MHz

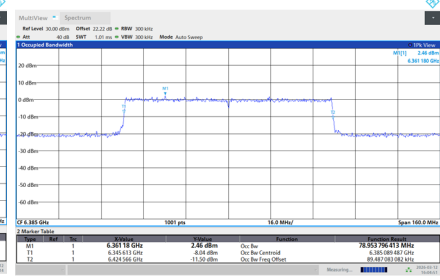
CH39 (99 %)



CH55 (99 %)



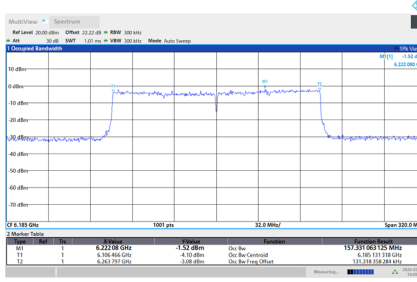
CH87 (99 %)



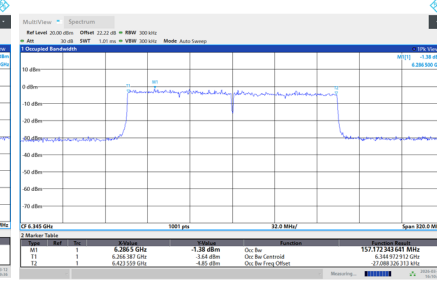
Test Mode:	IEEE 802.11ax(HE160)
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Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	157.33	157.17	Limit ≤ 160 MHz

CH47 (99 %)



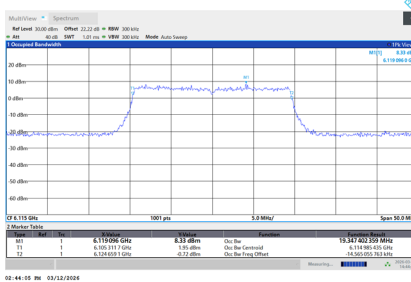
CH79 (99 %)



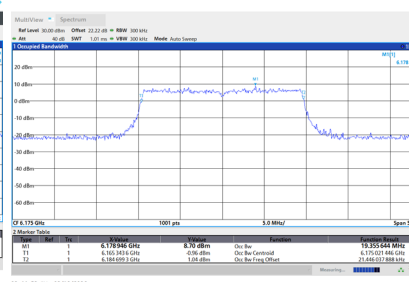
Test Mode:	IEEE 802.11be(EHT20)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	19.35	19.36	19.38	Limit ≤ 20 MHz

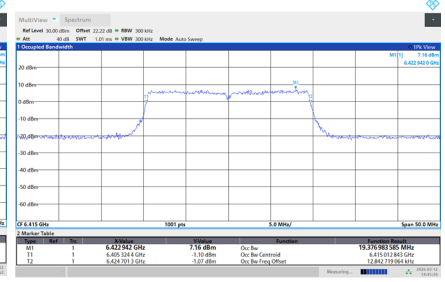
CH33 (99 %)



CH45 (99 %)



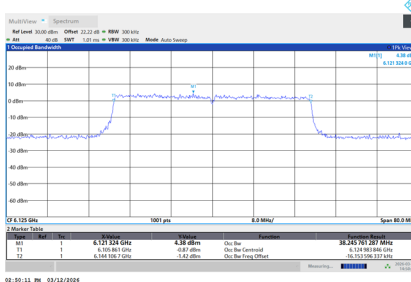
CH93 (99 %)



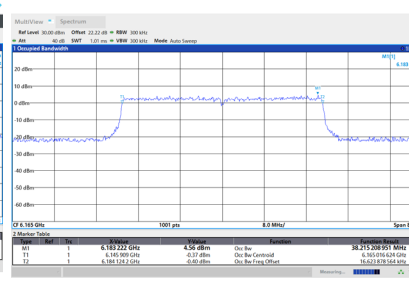
Test Mode:	IEEE 802.11be(EHT40)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	38.25	38.22	38.24	Limit ≤ 40 MHz

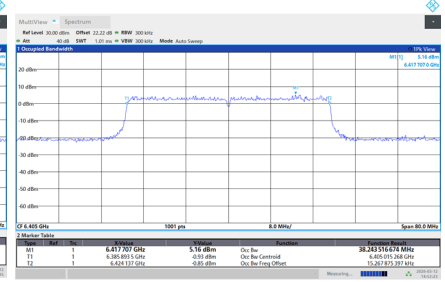
CH35 (99 %)



CH43 (99 %)



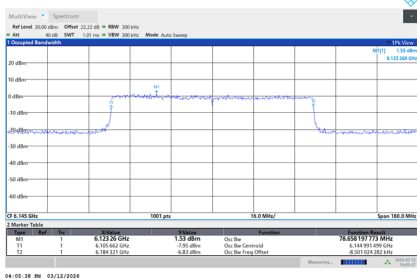
CH91 (99 %)



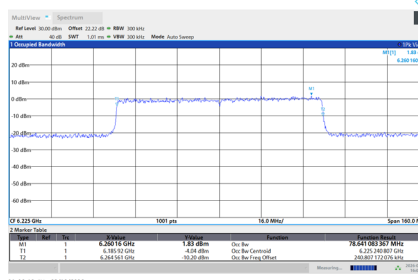
Test Mode:	IEEE 802.11be(EHT80)
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Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	78.66	78.64	78.53	Limit ≤ 80 MHz

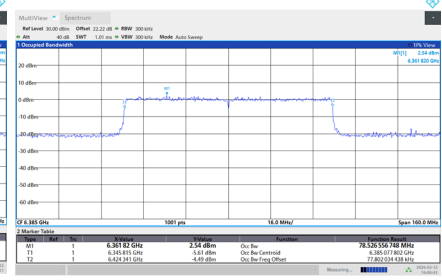
CH39 (99 %)



CH55 (99 %)



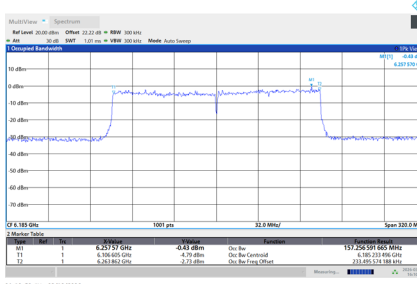
CH87 (99 %)



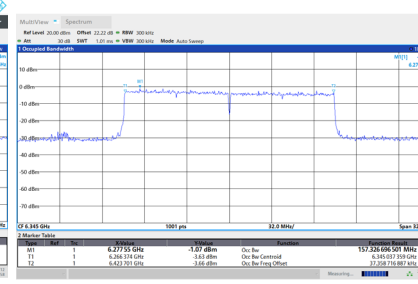
Test Mode:	IEEE 802.11be(EHT160)
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Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	157.26	157.33	Limit ≤ 160 MHz

CH47 (99 %)



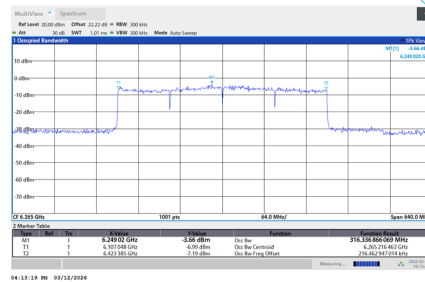
CH79 (99 %)



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	316.34	Limit $\leq$ 320 MHz

CH63 (99 %)



APPENDIX C - UNWANTED EMISSION INTENSITY

Vertical Antenna

Test Mode:	IEEE 802.11ax(HE20)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6115	6175	6415	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5300.13	5754.05	4863.90	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-33.48	-32.19	-32.75	
	$\mu\text{W/MHz}$	0.449	0.604	0.531	
	MHz	6432.27	64235.85	6425.03	6425MHz ~ 6435.9MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-31.73	-31.52	-13.67	
	$\mu\text{W/MHz}$	0.671	0.705	42.954	
	MHz	7355.40	2179.37	7472.80	6435.9MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-28.58	-29.44	-29.63	
	$\mu\text{W/MHz}$	1.387	1.378	1.089	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

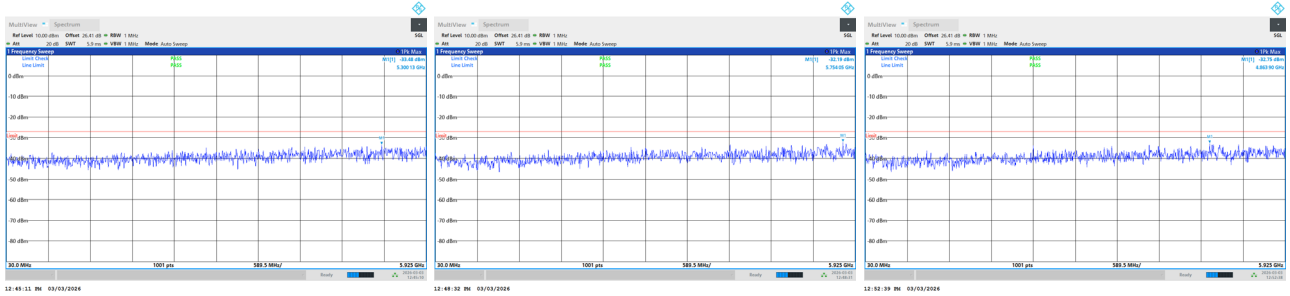
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

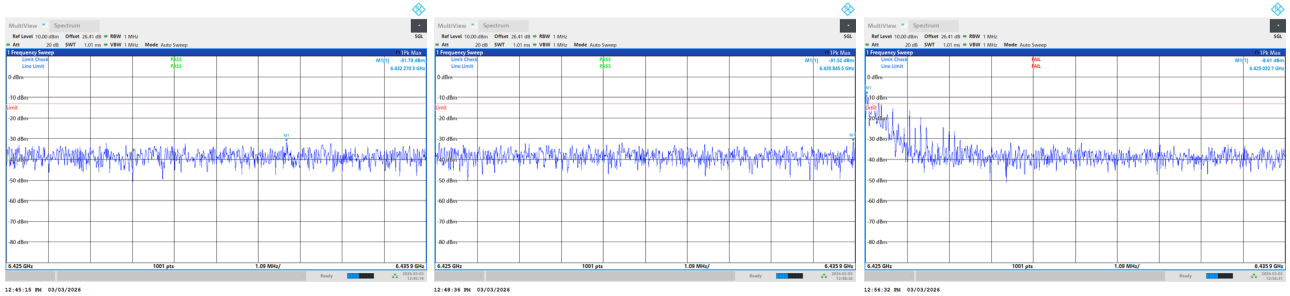
CH33

CH45 30 MHz ≤ f ≤ 5925 MHz

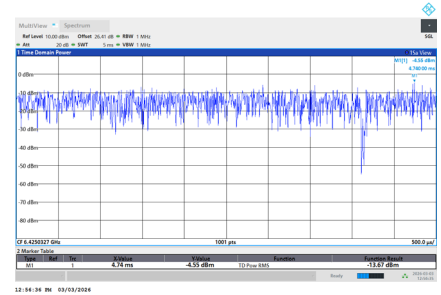
CH93



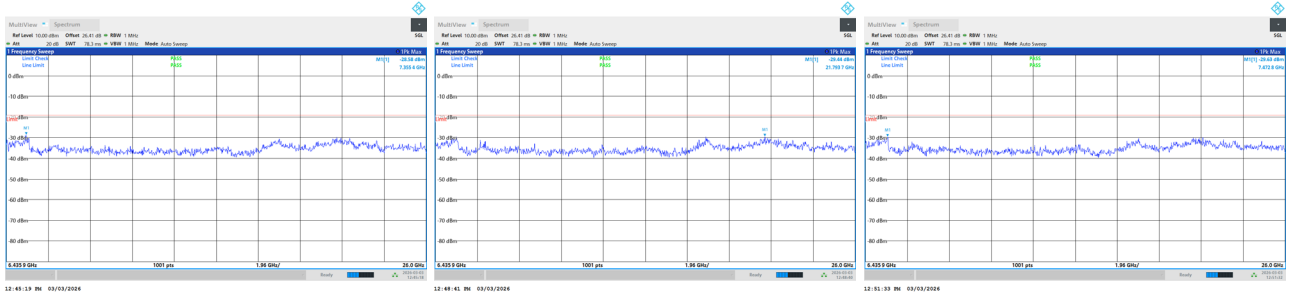
6425 MHz ≤ f ≤ 6435.9 MHz



ZeroSP



6435.9 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE40)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6125	6165	6405	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	3166.14	5347.29	5152.76	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-32.69	-32.65	-33.47	
	$\mu\text{W/MHz}$	0.538	0.543	0.450	
	MHz	6426.07	6433.64	6425.33	6425MHz ~ 6440.1MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-31.45	-29.73	-19.61	
	$\mu\text{W/MHz}$	0.716	1.064	10.940	
	MHz	21912.00	19173.60	21912.00	6440.1MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-29.93	-29.47	-28.21	
	$\mu\text{W/MHz}$	1.016	1.130	1.510	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

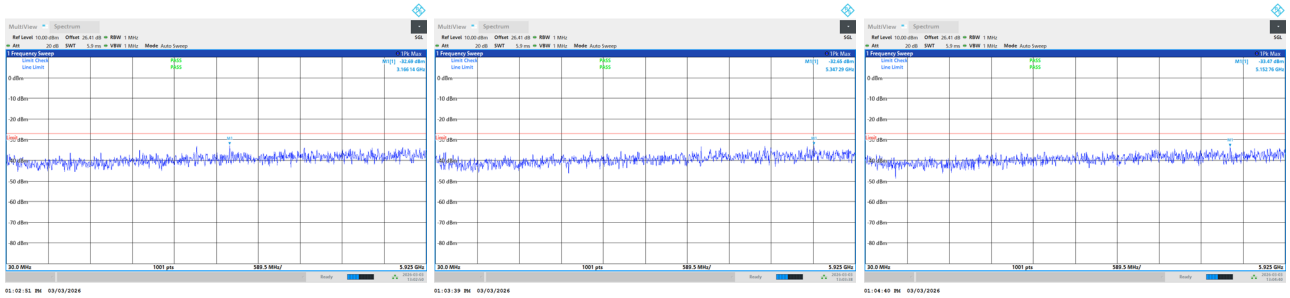
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

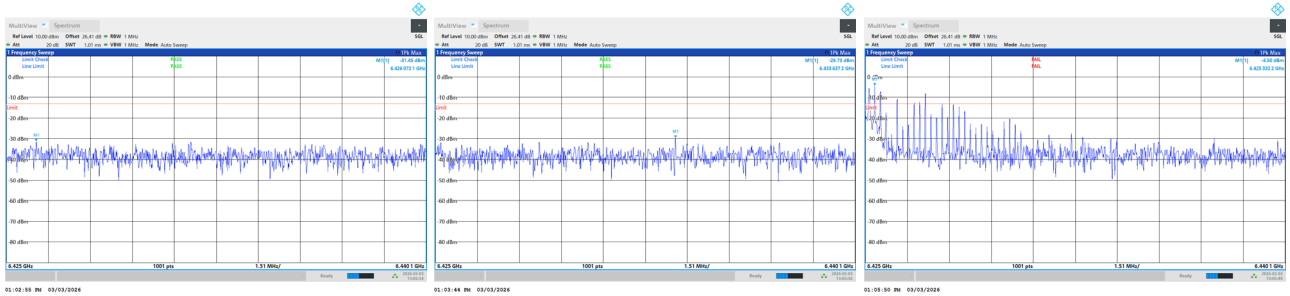
CH35

CH43
30 MHz ≤ f ≤ 5925 MHz

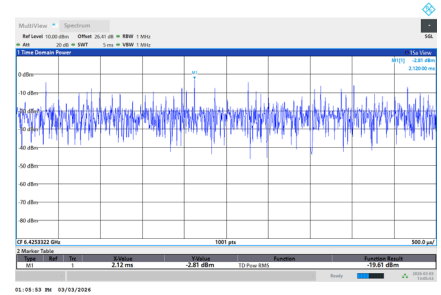
CH91



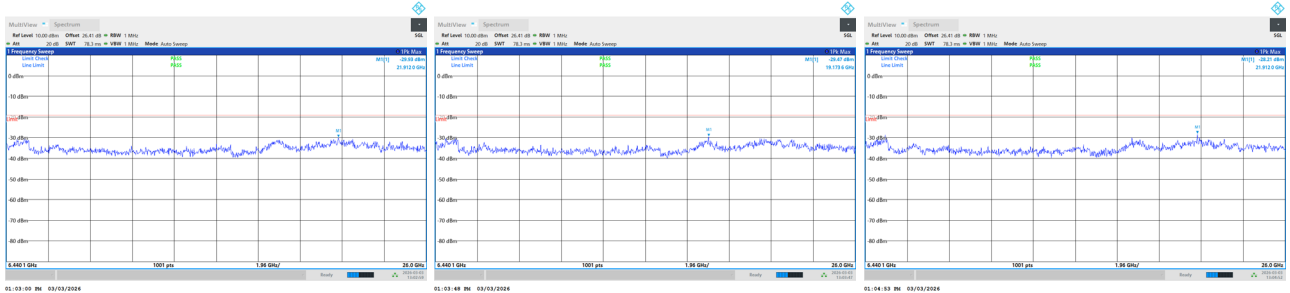
6425 MHz ≤ f ≤ 6440.1 MHz



ZeroSP



6440.1 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE80)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6145	6225	6385	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4451.25	5866.05	5565.41	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-33.76	-33.12	-31.21	
	$\mu\text{W/MHz}$	0.421	0.488	0.757	
	MHz	6438.21	6431.25	6425.14	6425MHz ~ 6440.4MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-31.07	-29.46	-16.79	
	$\mu\text{W/MHz}$	0.782	1.132	20.941	
	MHz	7477.10	22479.30	7379.30	6440.4MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-29.77	-29.85	-28.42	
	$\mu\text{W/MHz}$	1.054	1.035	1.439	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

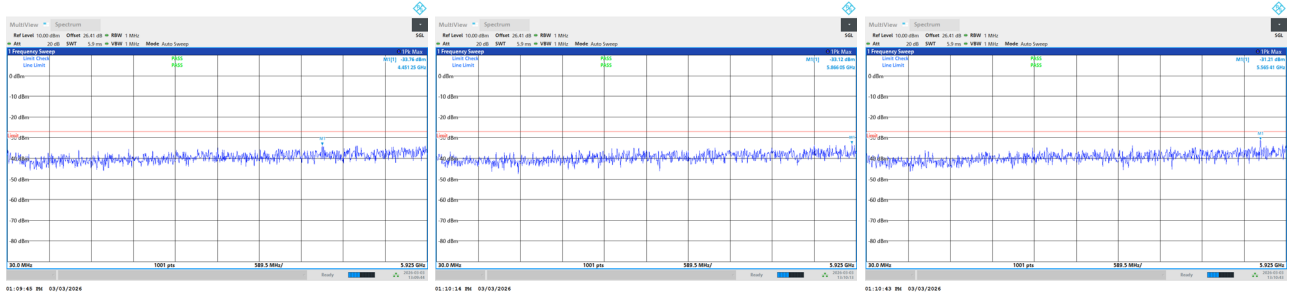
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

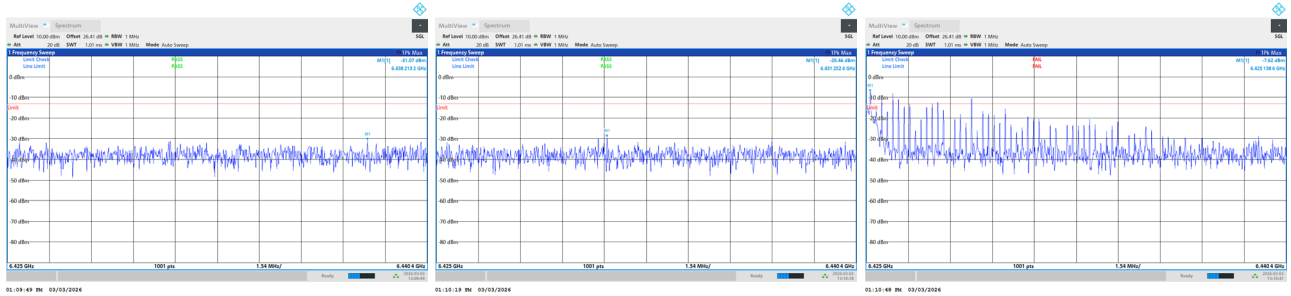
CH39

CH55
30 MHz ≤ f ≤ 5925 MHz

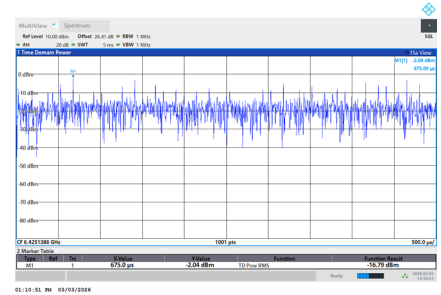
CH87



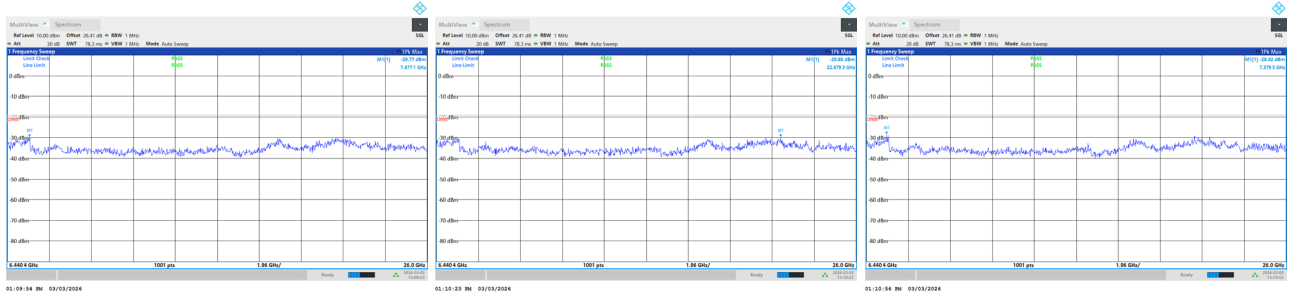
6425 MHz ≤ f ≤ 6440.4 MHz



ZeroSP



6440.4 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE160)
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Test Voltage		Normal Voltage		Remarks
Test Frequency	MHz	6185	6345	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4073.97	5848.37	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-33.02	-33.39	
	$\mu\text{W/MHz}$	0.499	0.458	
	MHz	6425.17	6425.04	6425MHz ~ 6425.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-31.87	-18.29	
	$\mu\text{W/MHz}$	0.650	14.859	
	MHz	19090.20	6425.50	6425.5MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-29.15	-22.73	
	$\mu\text{W/MHz}$	1.216	5.333	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

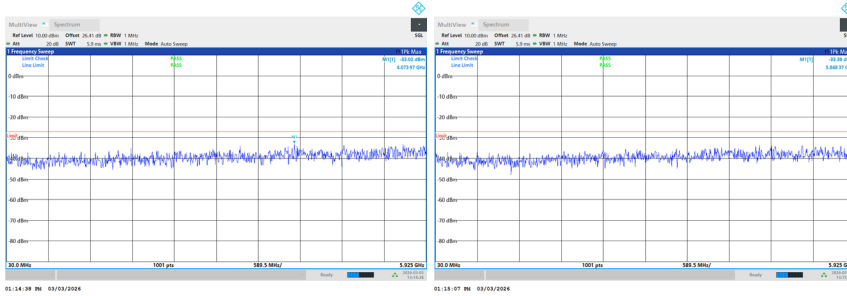
X = the total number of antennas

Explanation of Marker and ZeroSP test:

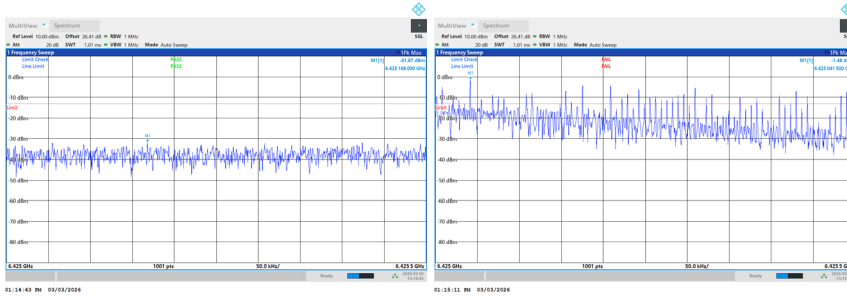
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH47

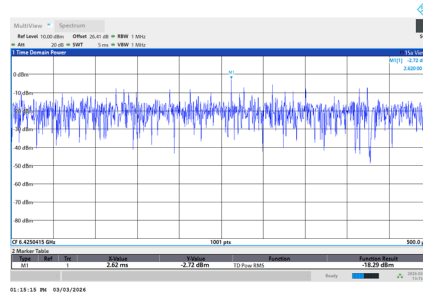
CH79 30 MHz ≤ f ≤ 5925 MHz



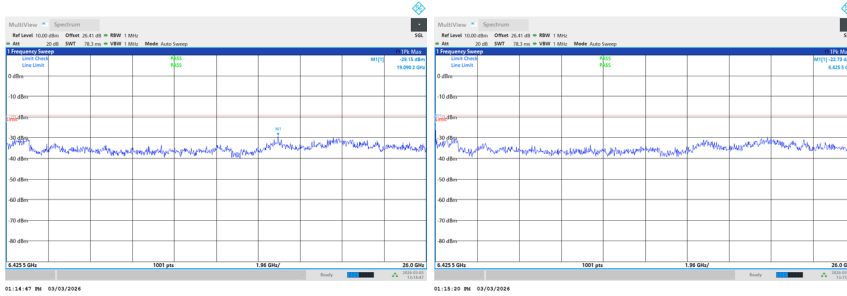
6425 MHz ≤ f ≤ 6425.5 MHz



ZeroSP



6425.5 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11be(EHT20)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6115	6175	6415	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5482.88	3985.55	5553.62	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-33.77	-32.39	-33.82	
	$\mu\text{W/MHz}$	0.420	0.577	0.415	
	MHz	6425.52	6427.31	6425.08	6425MHz ~ 6435.9MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-30.32	-30.89	-13.80	
	$\mu\text{W/MHz}$	0.929	0.814	41.686	
	MHz	7355.40	19191.70	21872.00	6435.9MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-30.00	-28.38	-29.86	
	$\mu\text{W/MHz}$	1.000	1.452	1.032	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

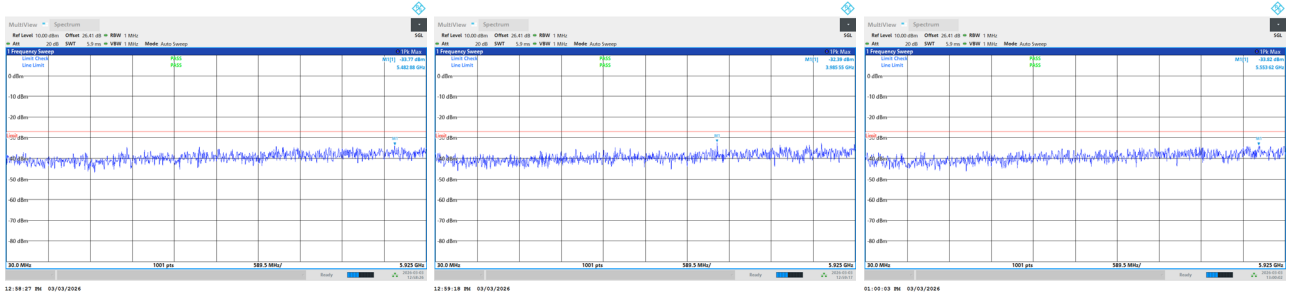
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

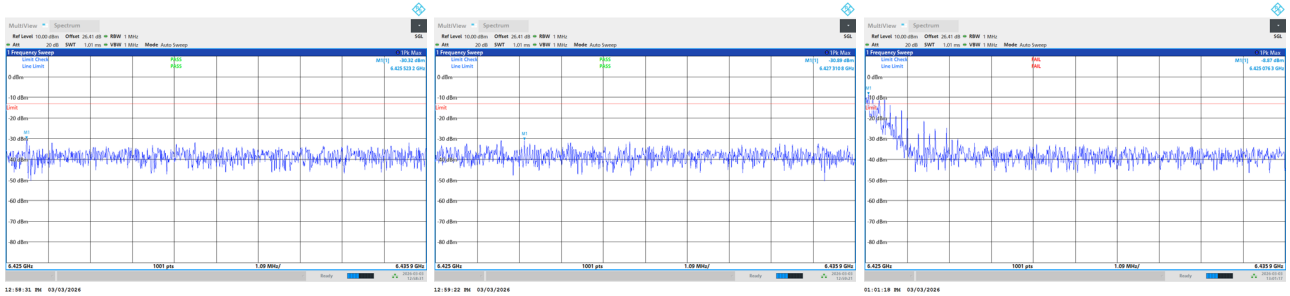
CH33

CH45
30 MHz ≤ f ≤ 5925 MHz

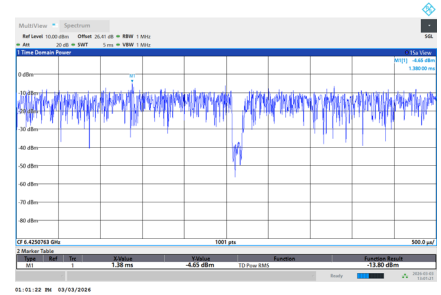
CH93



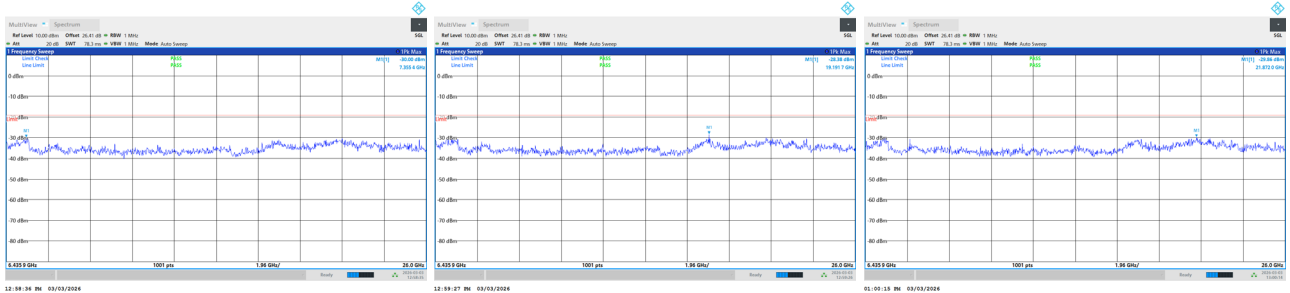
6425 MHz ≤ f ≤ 6435.9 MHz



ZeroSP



6435.9 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11be(EHT40)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6125	6165	6405	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5359.08	5925.00	5423.93	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-32.69	-32.70	-33.32	
	$\mu\text{W/MHz}$	0.538	0.537	0.465	
	MHz	6434.21	6429.05	6425.32	6425MHz ~ 6440.1MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-30.86	-30.75	-18.78	
	$\mu\text{W/MHz}$	0.820	0.841	13.243	
	MHz	21912.00	21696.80	21657.70	6440.1MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-29.72	-28.93	-29.16	
	$\mu\text{W/MHz}$	1.066	1.279	1.213	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

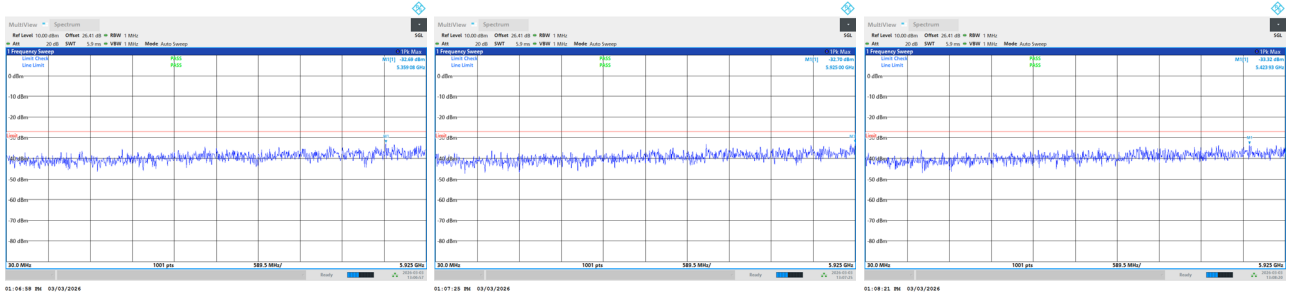
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

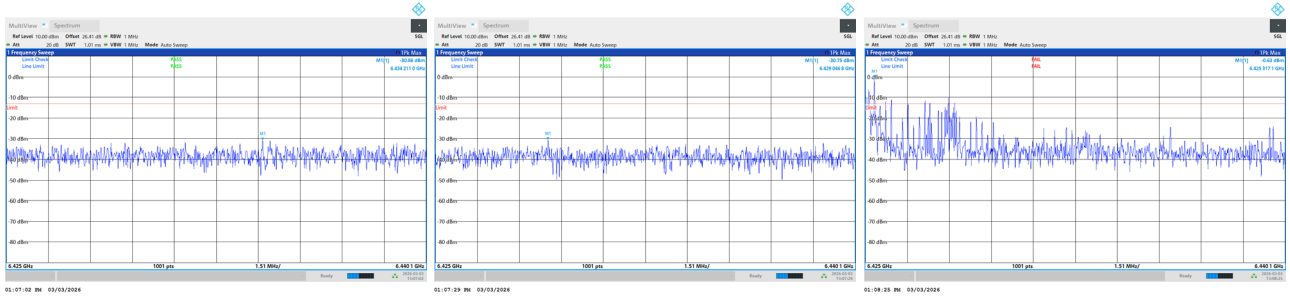
CH35

CH43
30 MHz ≤ f ≤ 5925 MHz

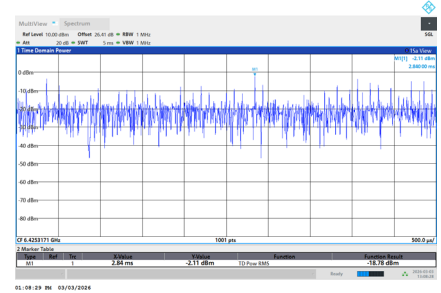
CH91



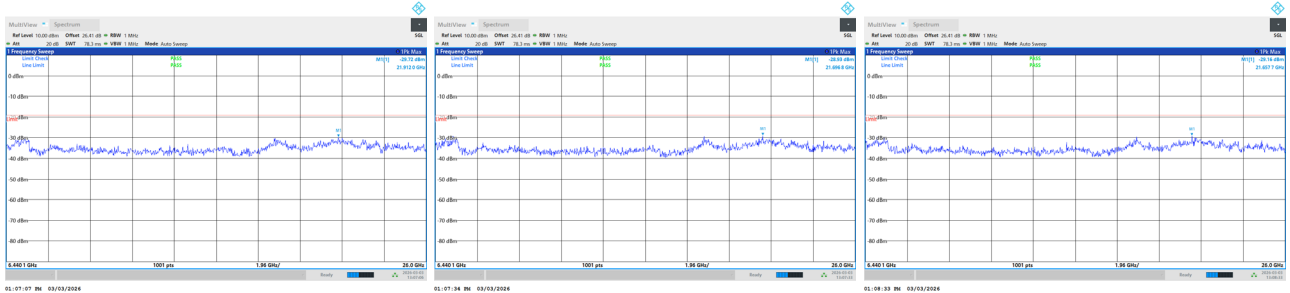
6425 MHz ≤ f ≤ 6440.1 MHz



ZeroSP



6440.1 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11be(EHT80)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6145	6225	6385	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4645.79	5754.05	5665.62	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-33.60	-33.57	-32.76	
	$\mu\text{W/MHz}$	0.430	0.439	0.529	
	MHz	6432.98	6438.64	6425.55	6425MHz ~ 6440.4MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-30.58	-31.62	-24.45	
	$\mu\text{W/MHz}$	0.874	0.688	3.589	
	MHz	7281.50	19017.20	21794.70	6440.4MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-28.68	-30.03	-28.42	
	$\mu\text{W/MHz}$	1.355	0.993	1.438	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

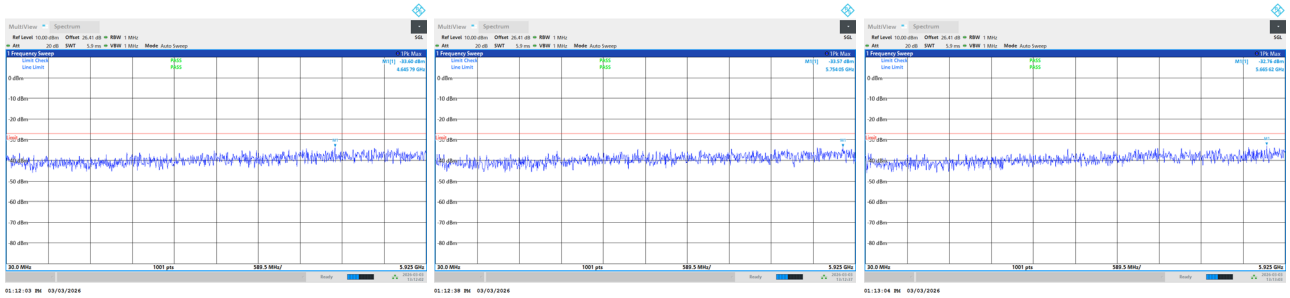
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

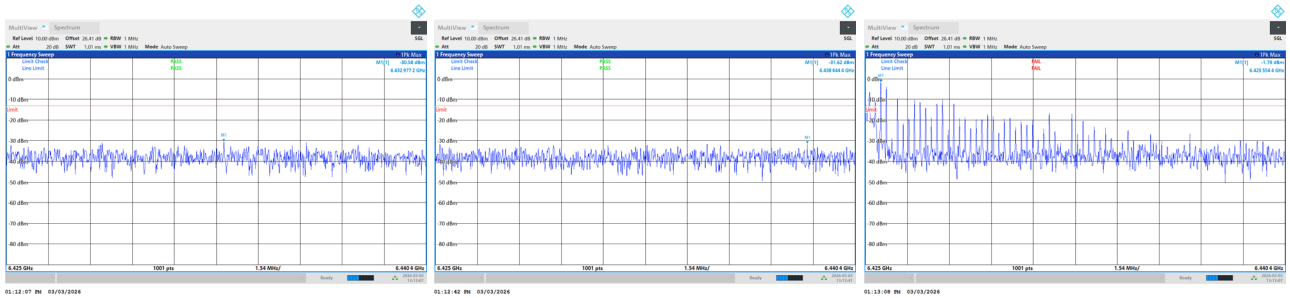
CH39

CH55
30 MHz $\leq f \leq$ 5925 MHz

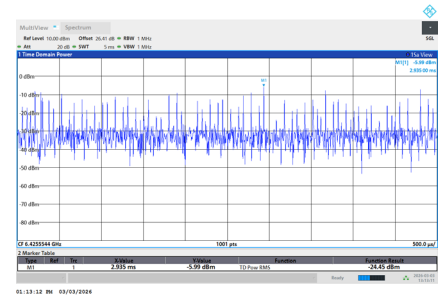
CH87



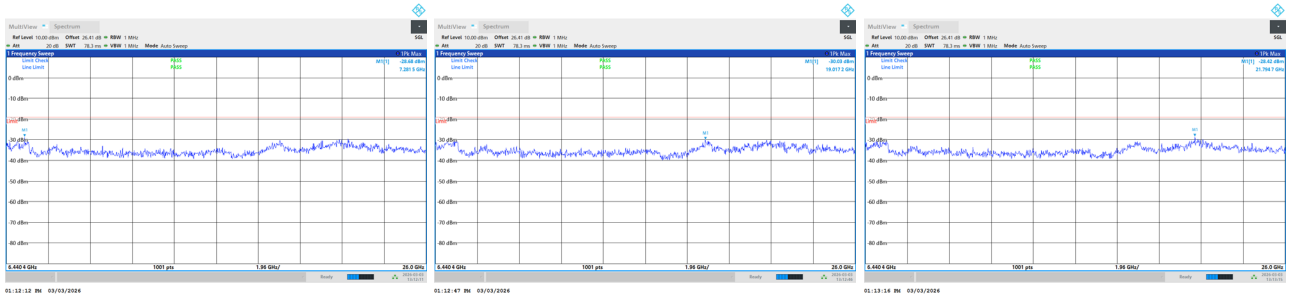
6425 MHz $\leq f \leq$ 6440.4 MHz



ZeroSP



6440.4 MHz $< f \leq$ 26000 MHz



Test Mode:	IEEE 802.11be(EHT160)
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Test Voltage		Normal Voltage		Remarks
Test Frequency	MHz	6185	6345	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5883.74	5871.95	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-32.14	-31.81	
	$\mu\text{W/MHz}$	0.610	0.659	
	MHz	6425.22	6425.05	6425MHz ~ 6425.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-31.08	-17.93	
	$\mu\text{W/MHz}$	0.779	16.106	
	MHz	21928.50	6425.50	6425.5MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-29.41	-26.23	
	$\mu\text{W/MHz}$	1.145	2.382	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant X})$

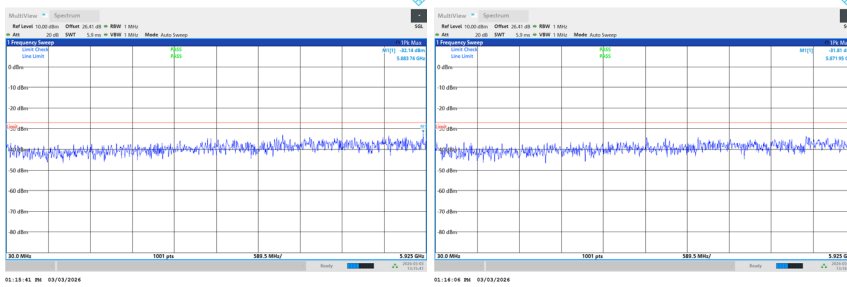
X = the total number of antennas

Explanation of Marker and ZeroSP test:

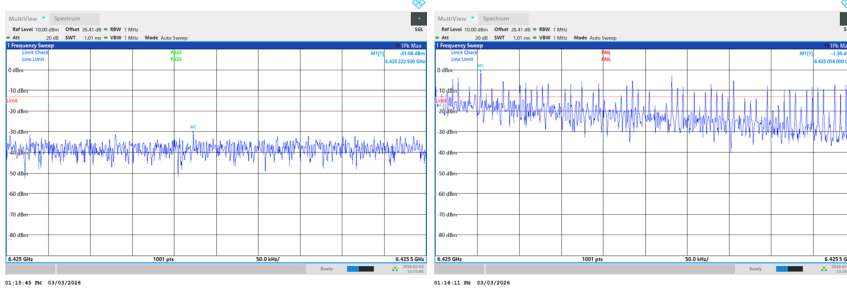
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH47

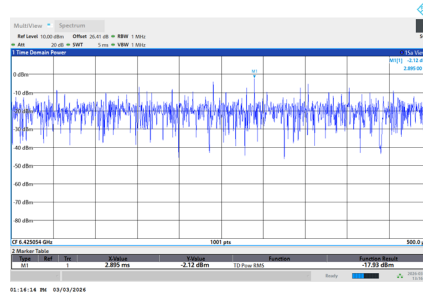
CH79 30 MHz ≤ f ≤ 5925 MHz



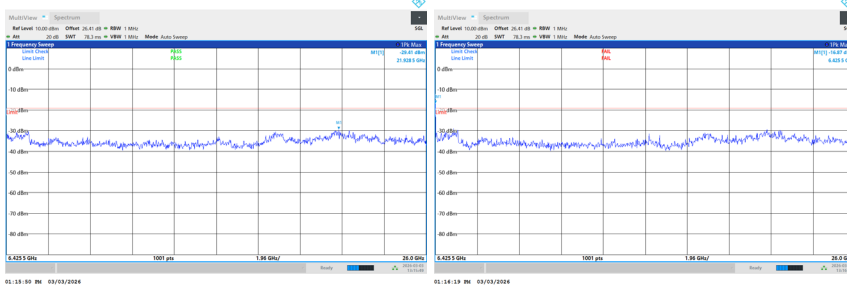
6425 MHz ≤ f ≤ 6425.5 MHz



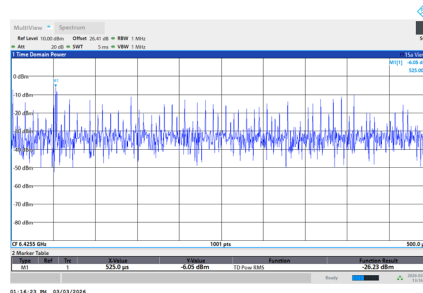
ZeroSP



6425.5 MHz < f ≤ 26000 MHz



ZeroSP



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage		Normal Voltage	Remarks
Test Frequency	MHz	6265	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5919.11	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-31.48	
	$\mu\text{W/MHz}$	0.711	
	MHz	6425.16	6425MHz ~ 6425.7MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-24.31	
	$\mu\text{W/MHz}$	3.706	
	MHz	6425.70	6425.7MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-30.83	
	$\mu\text{W/MHz}$	0.826	

Note:

Emission value = SA measurement value + Directional gain + cable loss

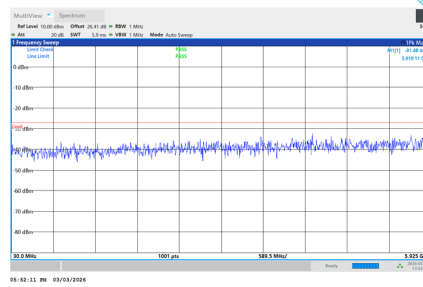
Directional gain = $10 \log (\text{Ant X})$

X = the total number of antennas

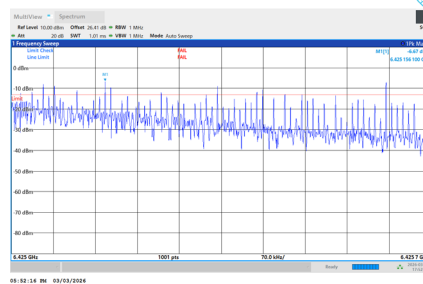
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH63
30 MHz ≤ f ≤ 5925 MHz

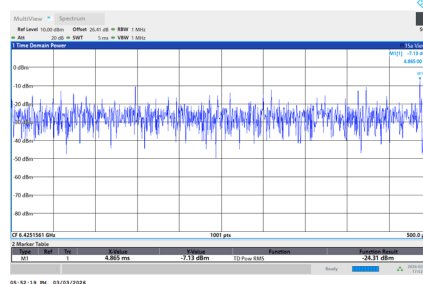


05:52:11 PM 03/03/2026

$$6425 \text{ MHz} \leq f \leq 6425.7 \text{ MHz}$$


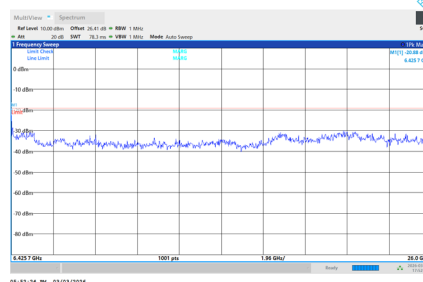
05:52:16 PM 03/03/2024

ZeroSP



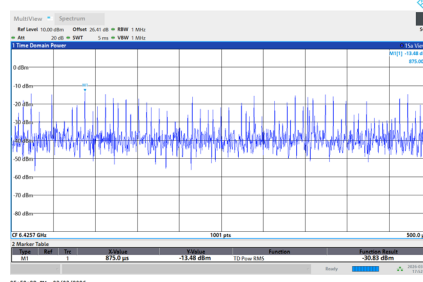
05:52:19 PM 03/03/2026

6425.7 MHz < f ≤ 26000 MHz



05:52:24 PM 03/03/2026

ZeroSP



05:52:28 PM 03/03/2024

Horizontal Antenna

Test Mode:	IEEE 802.11ax(HE20)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6115	6175	6415	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5624.36	4050.39	5125.28	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-38.74	-40.53	-39.48	
	$\mu\text{W/MHz}$	0.133	0.088	0.112	
	MHz	6433.87	6435.34	6425.07	6425MHz ~ 6435.9MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-26.90	-27.37	-14.72	
	$\mu\text{W/MHz}$	2.041	1.832	33.729	
	MHz	21950.20	21852.40	7453.20	6435.9MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-25.72	-26.66	-26.22	
	$\mu\text{W/MHz}$	2.680	2.157	2.388	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

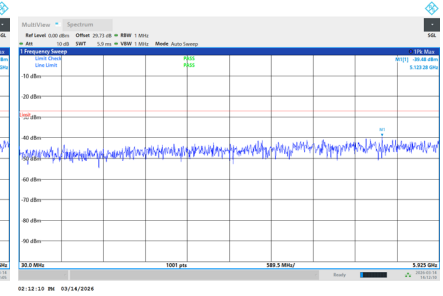
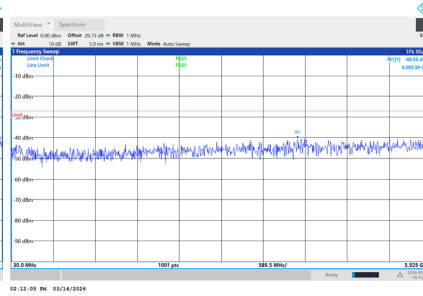
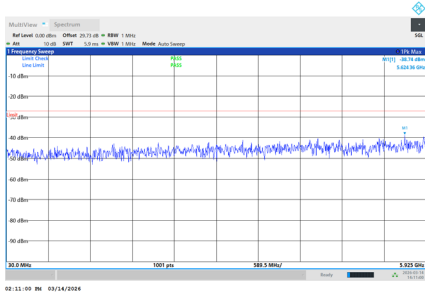
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

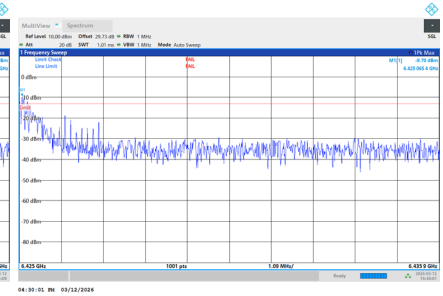
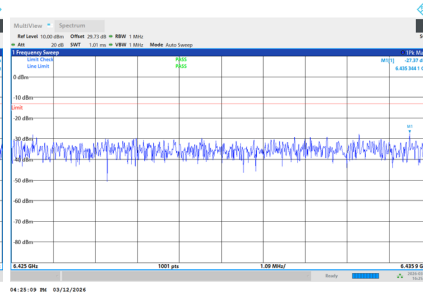
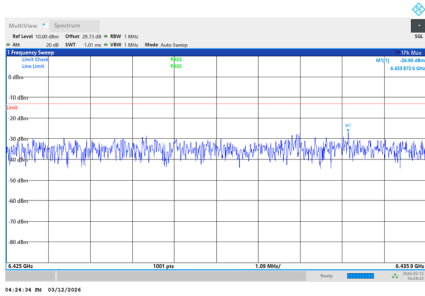
CH33

CH45 30 MHz ≤ f ≤ 5925 MHz

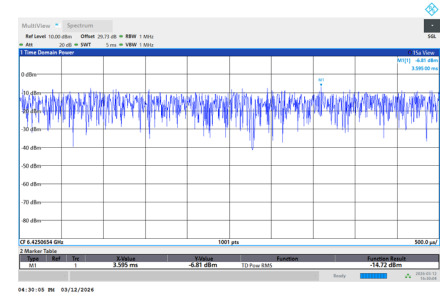
CH93



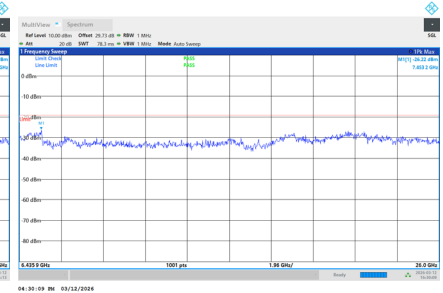
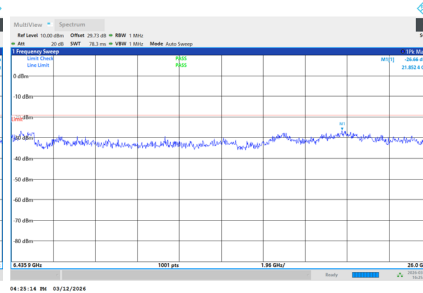
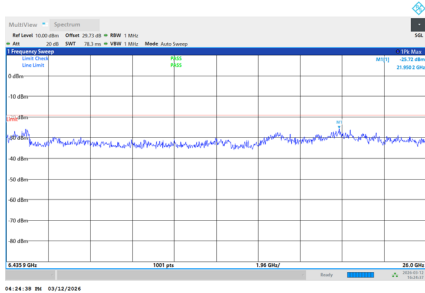
6425 MHz ≤ f ≤ 6435.9 MHz



ZeroSP



6435.9 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE40)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6125	6165	6405	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5624.36	5718.68	5854.26	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-38.90	-39.95	-40.29	
	$\mu\text{W/MHz}$	0.128	0.101	0.093	
	MHz	6425.42	6433.83	6425.33	6425MHz ~ 6440.1MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-28.28	-26.71	-18.67	
	$\mu\text{W/MHz}$	1.486	2.133	13.583	
	MHz	23124.70	21775.10	7202.9	6440.1MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-25.87	-26.20	-26.49	
	$\mu\text{W/MHz}$	2.589	2.399	2.243	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

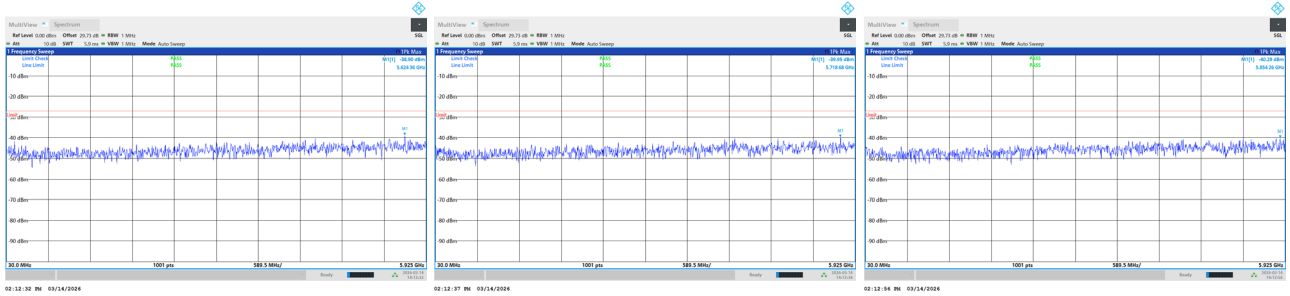
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

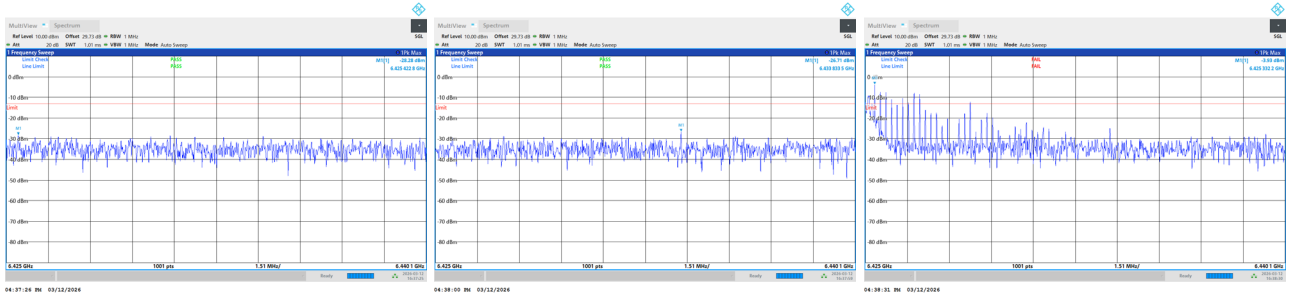
CH35

CH43
30 MHz ≤ f ≤ 5925 MHz

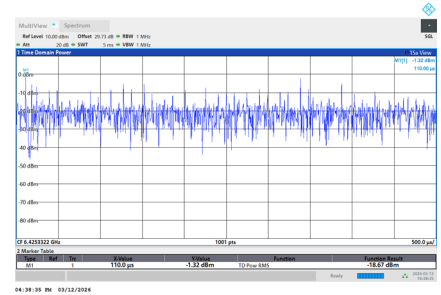
CH91



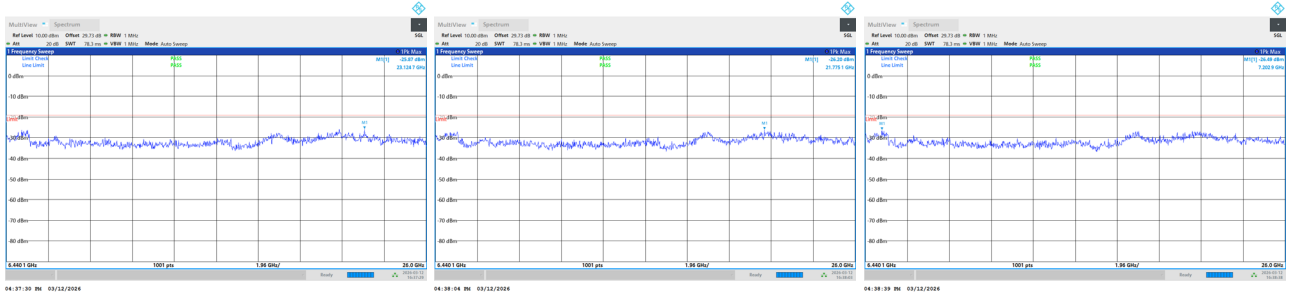
6425 MHz ≤ f ≤ 6440.1 MHz



ZeroSP



6440.1 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE80)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6145	6145	6385	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5913.21	5040.75	5270.66	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-39.31	-38.47	-37.91	
	$\mu\text{W/MHz}$	0.117	0.142	0.161	
	MHz	6432.53	6438.61	6425.40	6425MHz ~ 6440.4MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-28.48	-26.86	-22.38	
	$\mu\text{W/MHz}$	1.419	2.060	5.780	
	MHz	22068.5	21677.30	7398.80	6440.4MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-26.63	-25.97	-25.89	
	$\mu\text{W/MHz}$	2.172	2.529	2.576	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

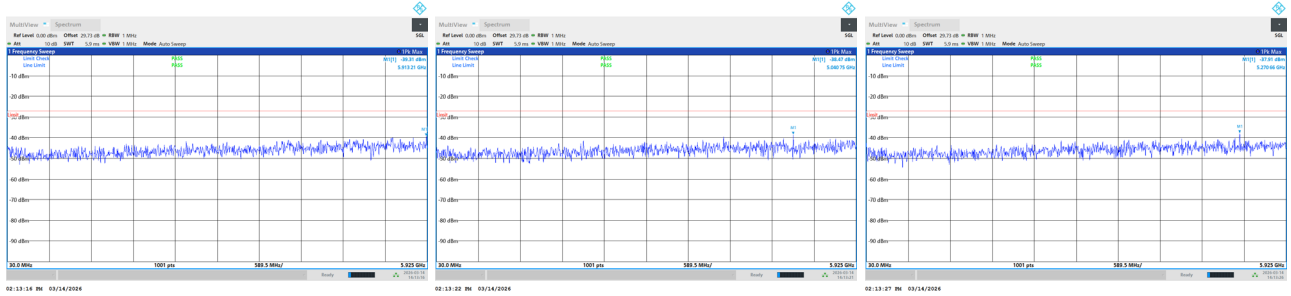
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

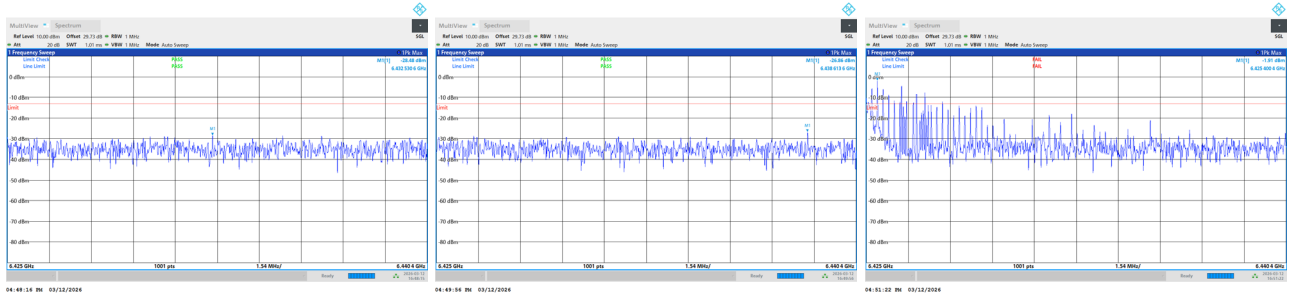
CH39

CH55
30 MHz ≤ f ≤ 5925 MHz

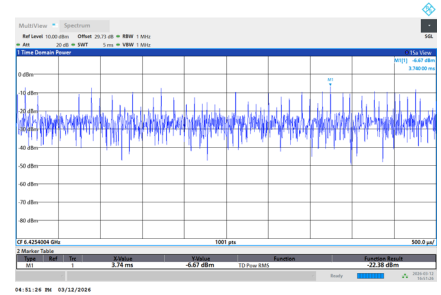
CH87



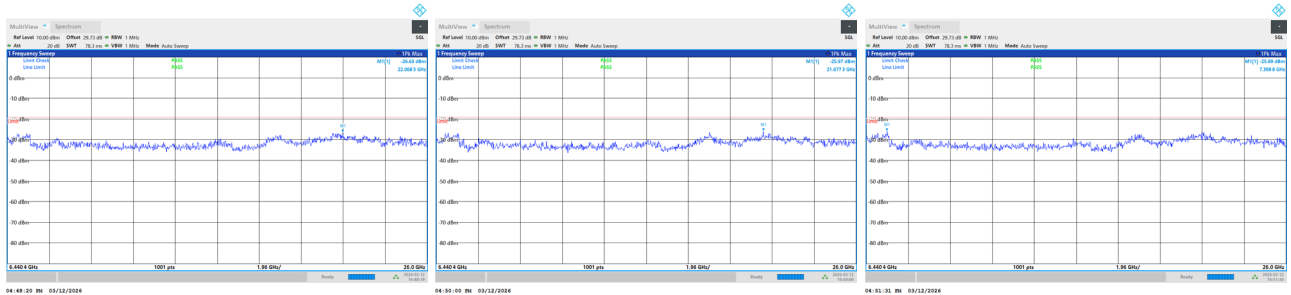
6425 MHz ≤ f ≤ 6440.4 MHz



ZeroSP



6440.4 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11ax(HE160)
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Test Voltage		Normal Voltage		Remarks
Test Frequency	MHz	6185	6345	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4710.63	5235.29	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-40.26	-40.38	
	$\mu\text{W/MHz}$	0.094	0.091	
	MHz	6425.405	6425.01	6425MHz ~ 6425.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-27.96	-17.59	
	$\mu\text{W/MHz}$	1.599	17.418	
	MHz	21889.40	6425.50	6425.5MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-25.80	-26.82	
	$\mu\text{W/MHz}$	2.630	2.079	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

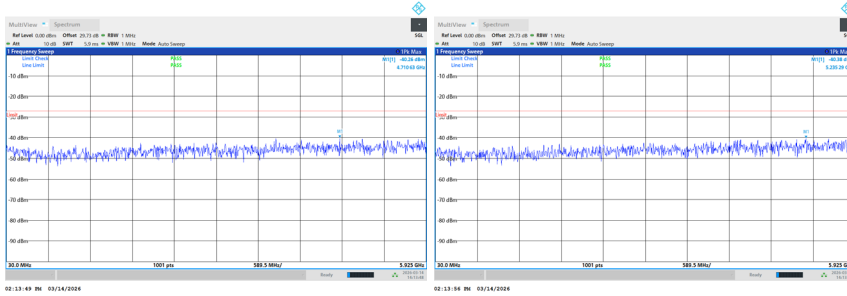
X = the total number of antennas

Explanation of Marker and ZeroSP test:

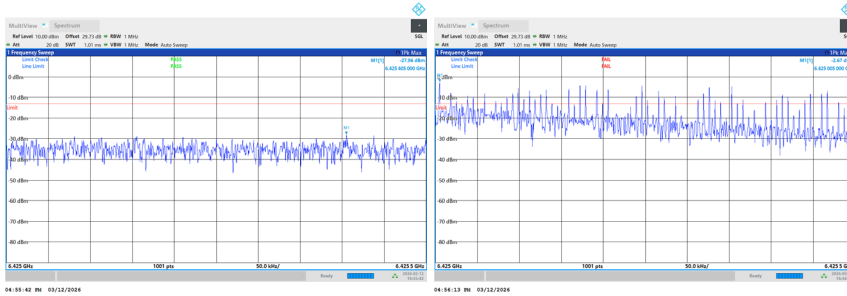
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH47

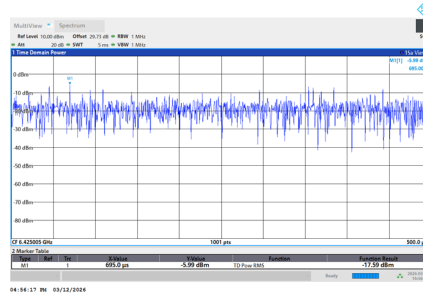
CH79
 $30 \text{ MHz} \leq f \leq 5925 \text{ MHz}$



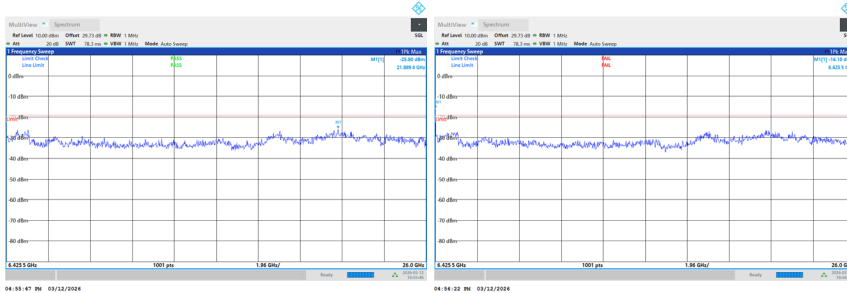
$6425 \text{ MHz} \leq f \leq 6425.5 \text{ MHz}$



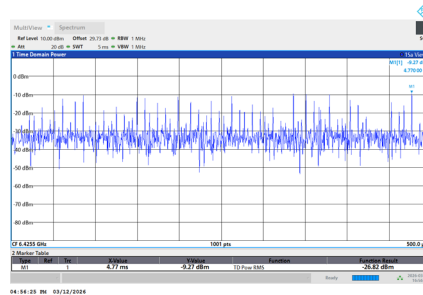
ZeroSP



$6425.5 \text{ MHz} < f \leq 26000 \text{ MHz}$



ZeroSP



Test Mode:	IEEE 802.11be(EHT20)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6115	6175	6415	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5913.21	5889.63	4987.70	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-38.53	-40.54	-40.58	
	$\mu\text{W/MHz}$	0.140	0.088	0.087	
	MHz	6425.94	6428.78	6425.10	6425MHz ~ 6435.9MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-28.24	-27.58	-13.97	
	$\mu\text{W/MHz}$	1.499	1.746	40.086	
	MHz	7394.50	23045.80	21989.40	6435.9MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-26.00	-26.09	-25.95	
	$\mu\text{W/MHz}$	2.511	2.460	2.541	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

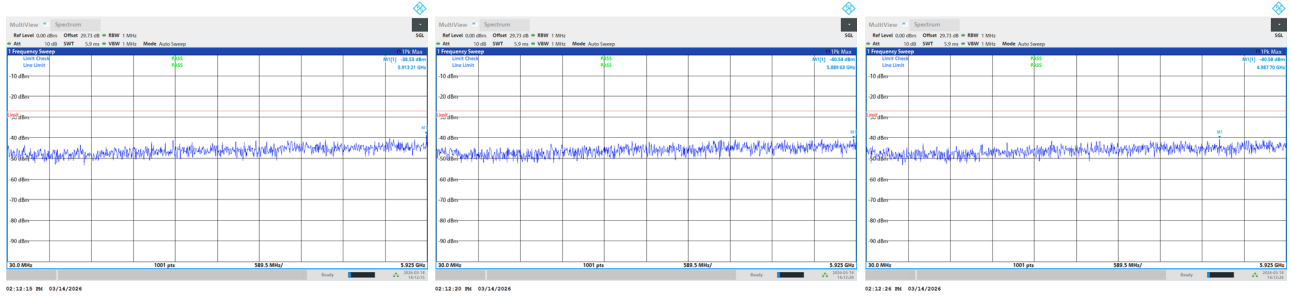
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

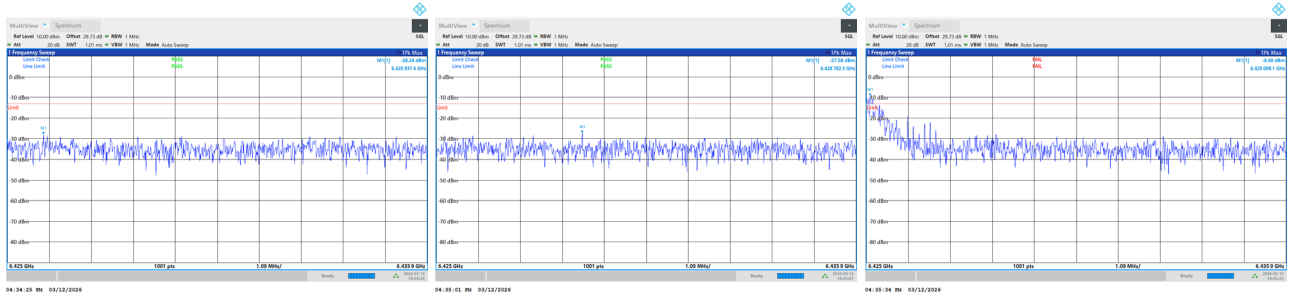
CH33

CH45 30 MHz ≤ f ≤ 5925 MHz

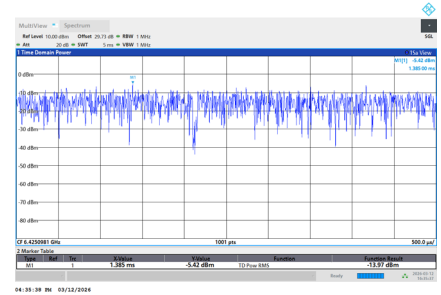
CH93



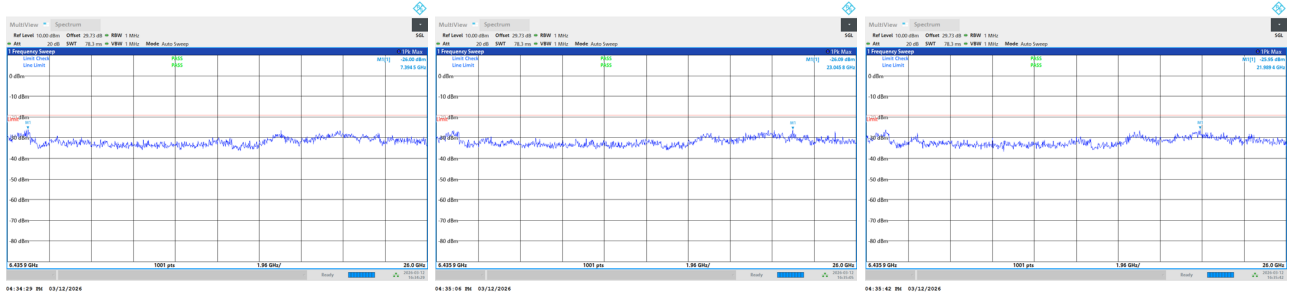
6425 MHz ≤ f ≤ 6435.9 MHz



ZeroSP



6435.9 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11be(EHT40)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6125	6165	6405	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5877.84	5842.47	4468.94	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-40.29	-39.36	-40.43	
	$\mu\text{W/MHz}$	0.081	0.115	0.090	
	MHz	6438.92	6428.65	6425.57	6425MHz ~ 6440.1MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-28.50	-27.79	-22.85	
	$\mu\text{W/MHz}$	1.412	1.663	5.188	
	MHz	7437.70	21892.40	21775.10	6440.1MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-26.45	-25.41	-24.96	
	$\mu\text{W/MHz}$	2.264	2.877	3.192	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

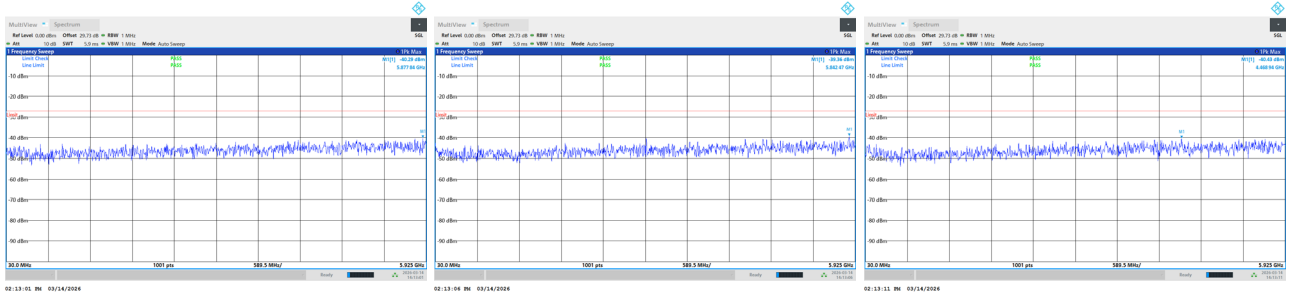
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

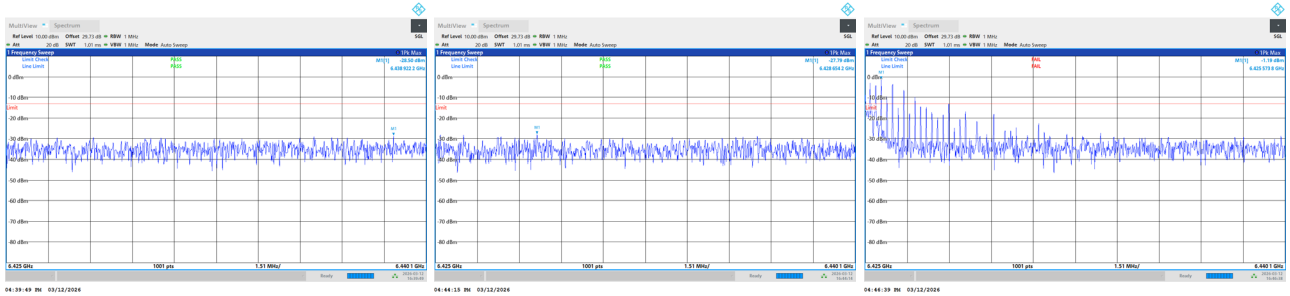
CH35

CH43
30 MHz ≤ f ≤ 5925 MHz

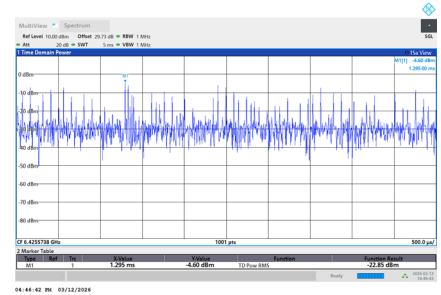
CH91



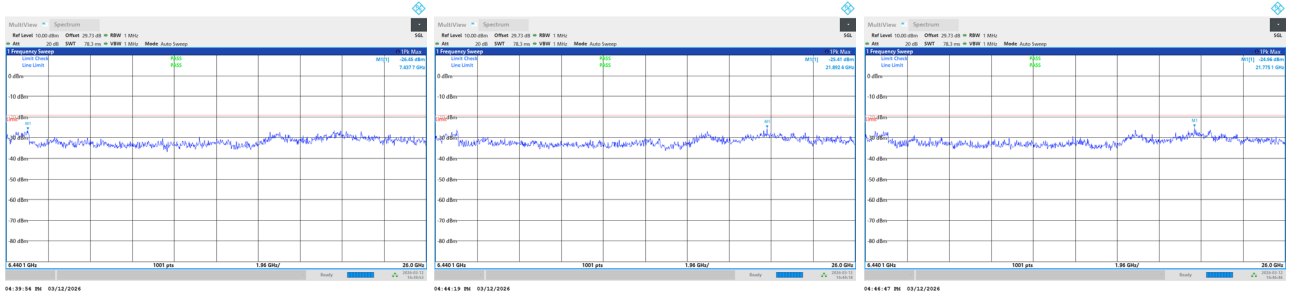
6425 MHz ≤ f ≤ 6440.1 MHz



ZeroSP



6440.1 MHz < f ≤ 26000 MHz



Test Mode:	IEEE 802.11be(EHT80)
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Test Voltage		Normal Voltage			Remarks
Test Frequency	MHz	6145	6225	6385	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4911.06	4580.94	5435.72	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-39.44	-39.70	-38.98	
	$\mu\text{W/MHz}$	0.113	0.107	0.126	
	MHz	6425.20	6435.87	6425.17	6425MHz ~ 6440.4MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-20.67	-28.03	-16.53	
	$\mu\text{W/MHz}$	8.570	1.574	22.233	
	MHz	22459.70	6968.50	22401.00	6440.4MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-26.80	-25.47	-26.46	
	$\mu\text{W/MHz}$	2.089	2.837	2.259	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant } X)$

X = the total number of antennas

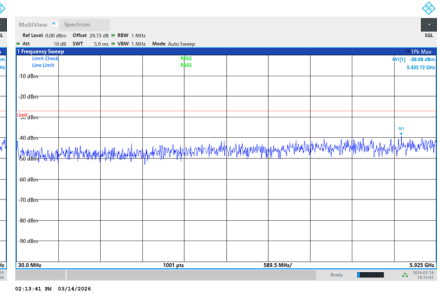
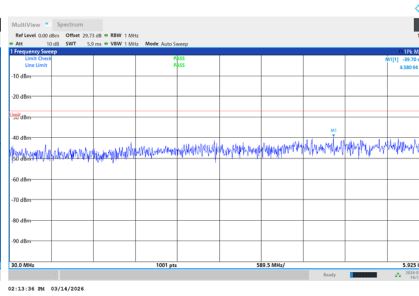
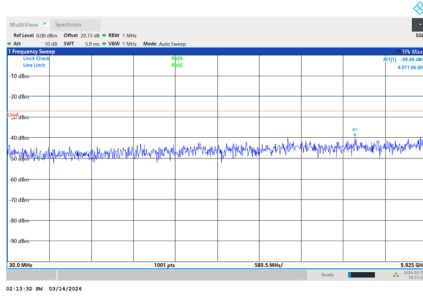
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

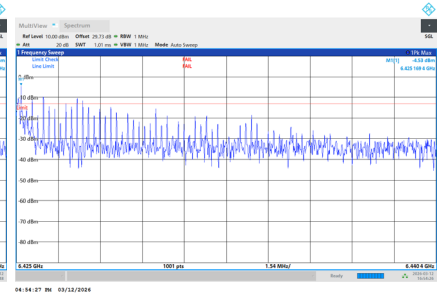
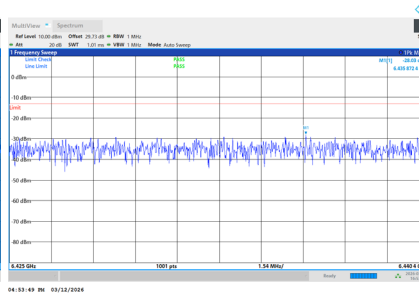
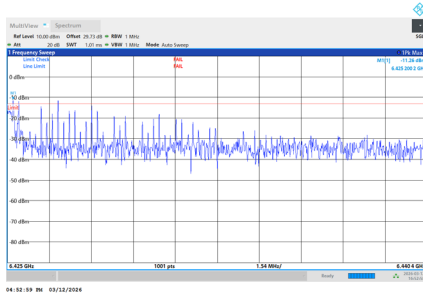
CH39

CH55
30 MHz $\leq f \leq$ 5925 MHz

CH87

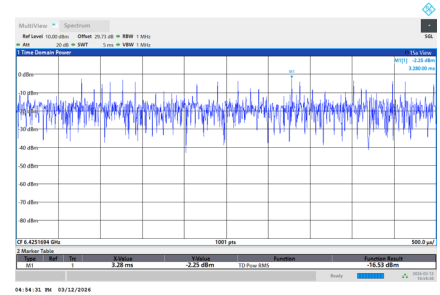
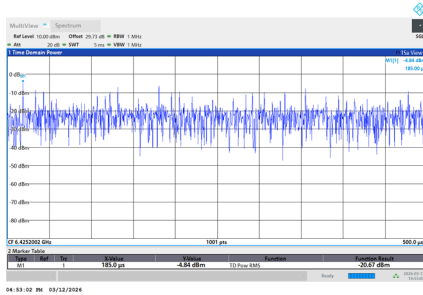


6425 MHz $\leq f \leq$ 6440.4 MHz

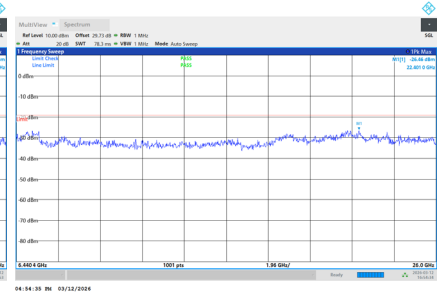
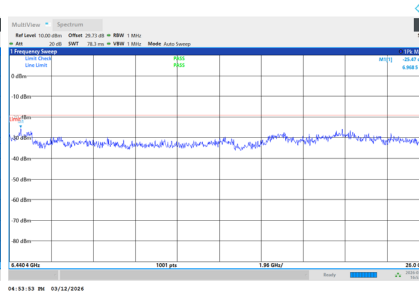
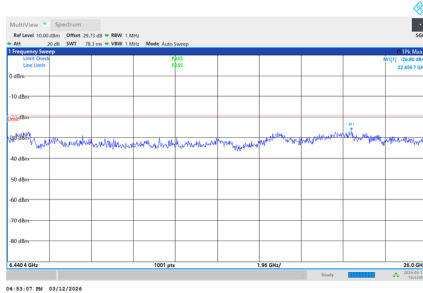


ZeroSP

ZeroSP



6440.4 MHz $< f \leq$ 26000 MHz



Test Mode:	IEEE 802.11be(EHT160)
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Test Voltage		Normal Voltage		Remarks
Test Frequency	MHz	6185	6345	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	4445.36	5465.19	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-39.53	-39.38	
	$\mu\text{W/MHz}$	0.112	0.115	
	MHz	6425.09	6425.12	6425MHz ~ 6425.5MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-27.34	-20.46	
	$\mu\text{W/MHz}$	1.845	8.994	
	MHz	6934.40	6425.50	6425.5MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-26.04	-27.65	
	$\mu\text{W/MHz}$	2.488	1.718	

Note:

Emission value = SA measurement value + Directional gain + cable loss

Directional gain = $10 \log (\text{Ant X})$

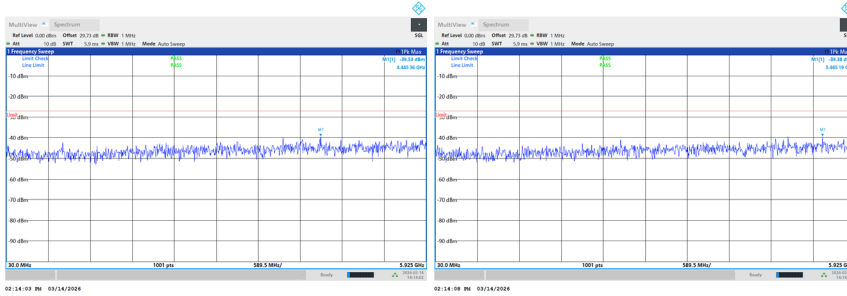
X = the total number of antennas

Explanation of Marker and ZeroSP test:

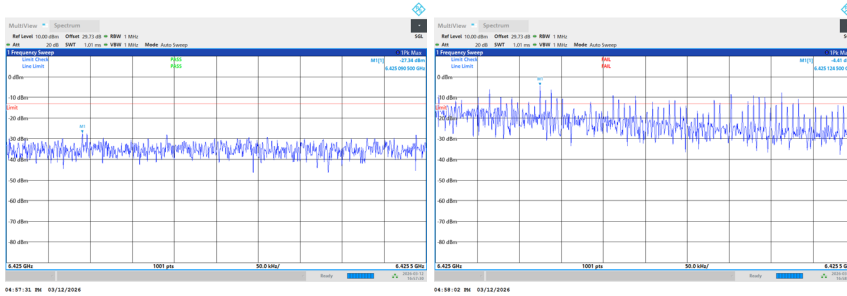
- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

CH47

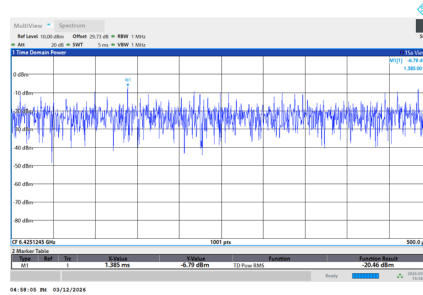
CH79
 $30 \text{ MHz} \leq f \leq 5925 \text{ MHz}$



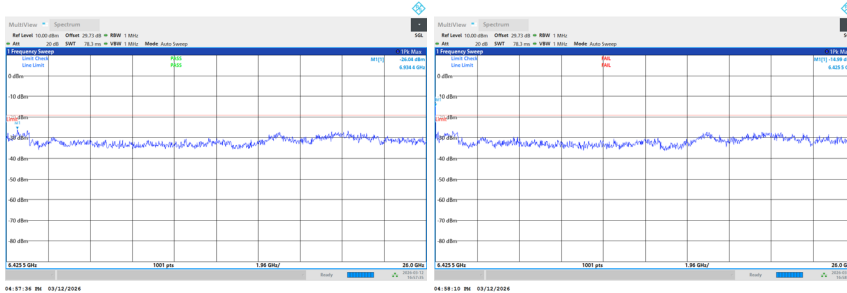
$6425 \text{ MHz} \leq f \leq 6425.5 \text{ MHz}$



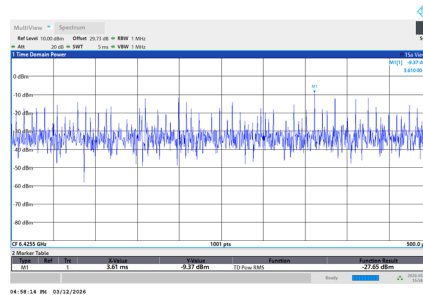
ZeroSP



$6425.5 \text{ MHz} < f \leq 26000 \text{ MHz}$



ZeroSP



Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage		Normal Voltage	Remarks
Test Frequency	MHz	6265	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Max value in the band)	MHz	5824.79	30MHz ~ 5925MHz Limit $\leq 2 \mu\text{W/MHz}$ (-26.99 dBm/MHz)
	dBm/MHz	-35.97	
	$\mu\text{W/MHz}$	0.253	
	MHz	6425.49	6425MHz ~ 6425.7MHz Limit $\leq 50 \mu\text{W/MHz}$ (-13.01 dBm/MHz)
	dBm/MHz	-29.68	
	$\mu\text{W/MHz}$	1.076	
	MHz	6425.70	6425.7MHz ~ 26000MHz Limit $\leq 12.5 \mu\text{W/MHz}$ (-19.03 dBm/MHz)
	dBm/MHz	-30.65	
	$\mu\text{W/MHz}$	0.860	

Note:

Emission value = SA measurement value + Directional gain + cable loss

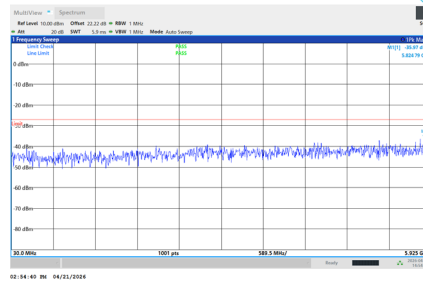
Directional gain = $10 \log (\text{Ant X})$

X = the total number of antennas

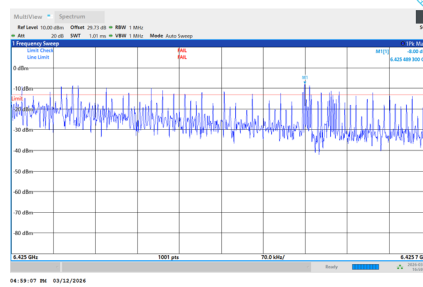
Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

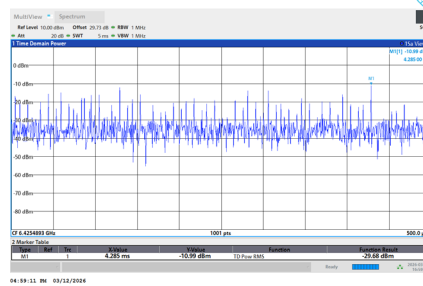
CH63 $30 \text{ MHz} \leq f \leq 5925 \text{ MHz}$



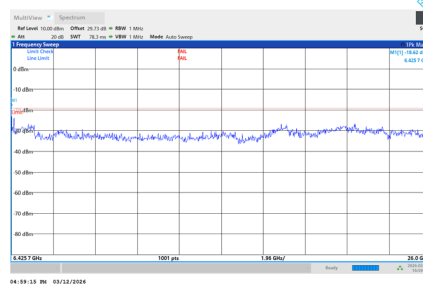
$6425 \text{ MHz} \leq f \leq 6425.7 \text{ MHz}$



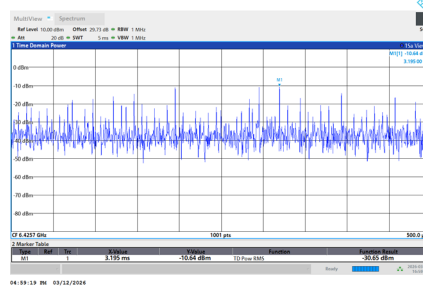
ZeroSP



$6425.7 \text{ MHz} < f \leq 26000 \text{ MHz}$



ZeroSP



APPENDIX D - ANTENNA POWER TOLERANCE

Vertical Antenna

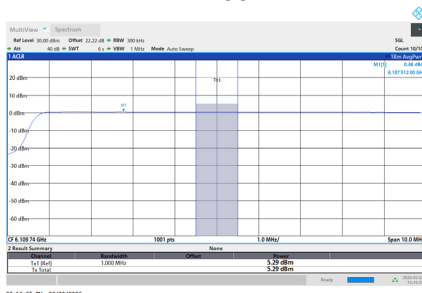
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	3.3806	3.1405	0.1178	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	3.39			-
Antenna Power Tolerance (%)	-0.2759	-7.3596	+7.0551	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	8.8716	8.2414	0.3090	Limit ≤ 10 mW/MHz

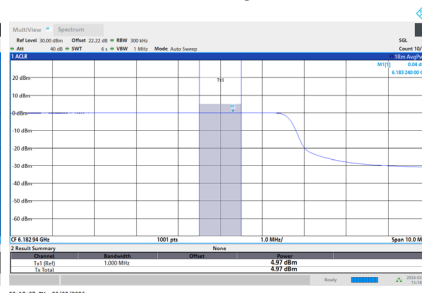
Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

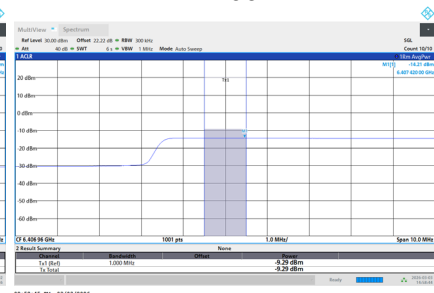
CH33



CH45



CH93



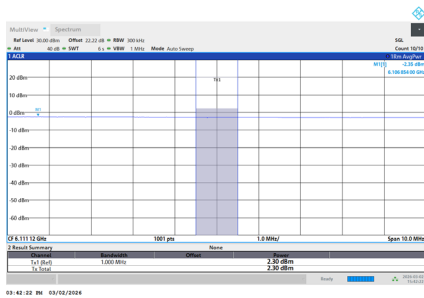
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	1.6982	1.5311	1.2023	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.7			-
Antenna Power Tolerance (%)	-0.1033	-9.9360	-29.2786	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	4.4566	4.0179	3.1550	Limit ≤ 5 mW/MHz

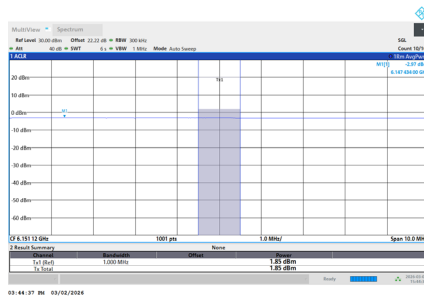
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 - Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 - Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = 10 log (Ant X)
X = the total number of antennas

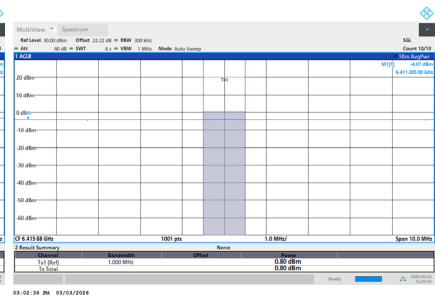
CH35



CH43



CH91



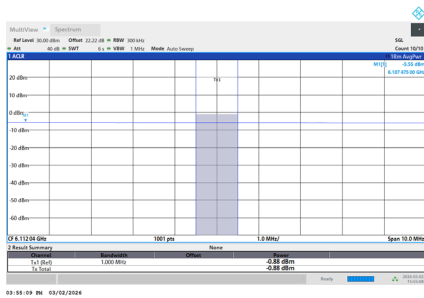
Test Mode: IEEE 802.11ax(HE80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.8166	0.8670	0.8472	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.87			-
Antenna Power Tolerance (%)	-6.1400	-0.3492	-2.6175	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	2.1429	2.2751	2.2233	Limit ≤ 2.5 mW/MHz

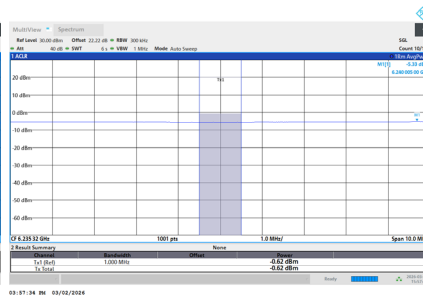
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

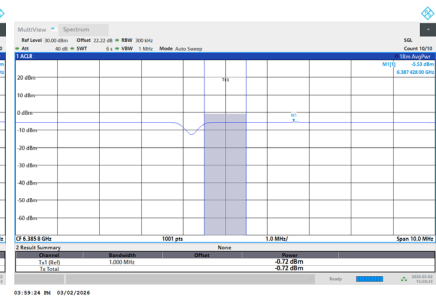
CH39



CH55



CH87



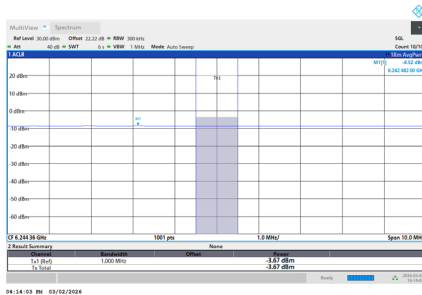
Test Mode: IEEE 802.11ax(HE160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.4295	0.4508	Limit ≤ 1.25 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.46		-
Antenna Power Tolerance (%)	-6.6225	-1.9964	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	1.1272	1.1830	Limit ≤ 1.25 mW/MHz

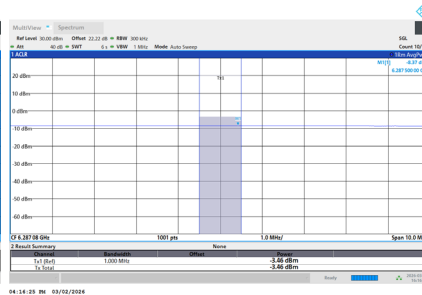
Note:

- Antenna power tolerance = $\{(\text{conducted power density-rated power density})/\text{rated power density}\}$
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

CH47



CH79



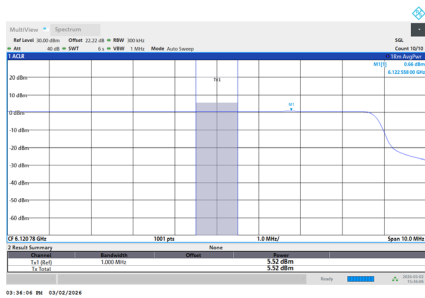
Test Mode: IEEE 802.11be(EHT20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	3.5645	3.3963	0.1452	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	3.57			-
Antenna Power Tolerance (%)	-0.1537	-4.8669	-3.1926	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	9.3541	8.9125	0.3811	Limit ≤ 10 mW/MHz

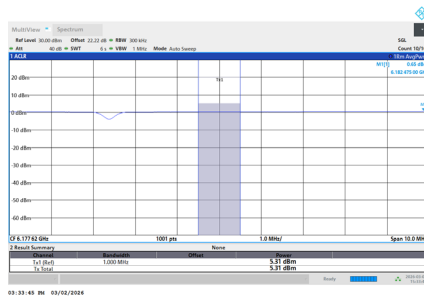
Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = 10 log (Ant X)
X = the total number of antennas

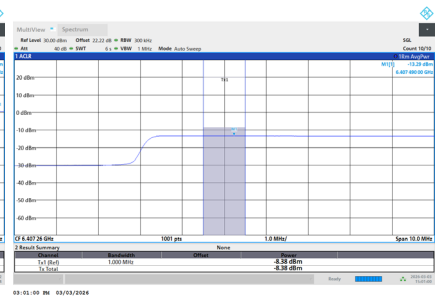
CH33



CH45



CH93



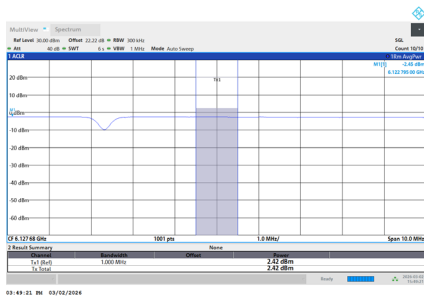
Test Mode: IEEE 802.11be(EHT40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	1.7458	1.8408	1.3397	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.85			-
Antenna Power Tolerance (%)	-5.6312	-0.4988	-27.5850	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	4.5814	4.8306	3.5156	Limit ≤ 5 mW/MHz

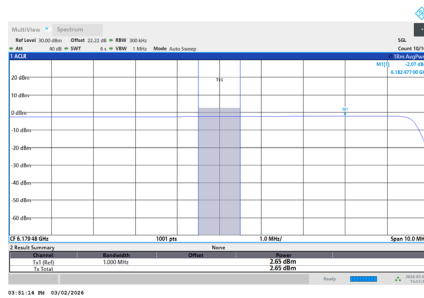
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

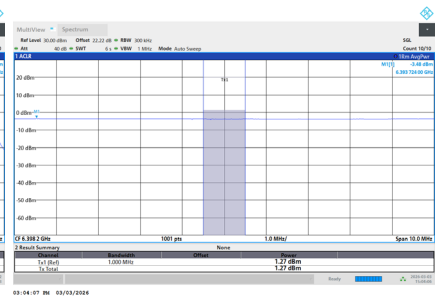
CH35



CH43



CH91



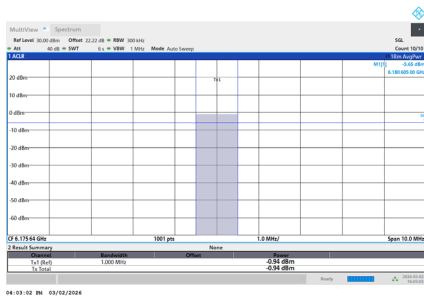
Test Mode: IEEE 802.11be(EHT80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.8054	0.8892	0.8433	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.89			-
Antenna Power Tolerance (%)	-9.5080	-0.0898	-5.2433	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	2.1135	2.3335	2.2131	Limit ≤ 2.5 mW/MHz

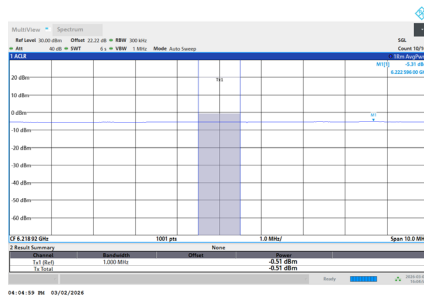
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

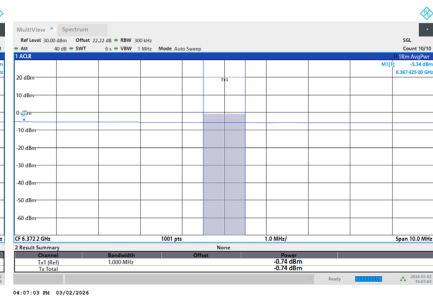
CH39



CH55



CH87



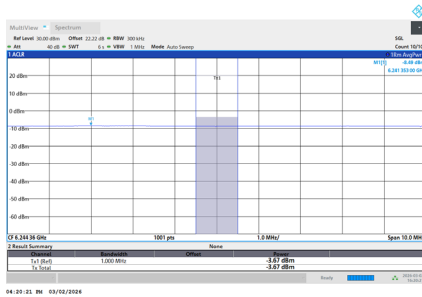
Test Mode:	IEEE 802.11be(EHT160)
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Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.4295	0.4426	Limit ≤ 1.25 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.45		-
Antenna Power Tolerance (%)	-4.5475	-1.6470	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	1.1272	1.1614	Limit ≤ 1.25 mW/MHz

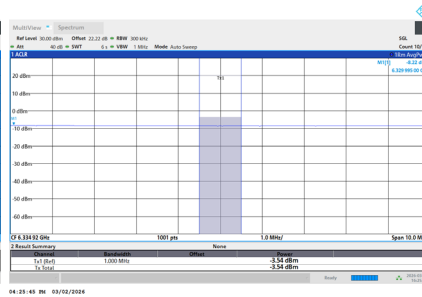
Note:

- Antenna power tolerance = $\{(\text{conducted power density-rated power density})/\text{rated power density}\}$
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

CH47



CH79



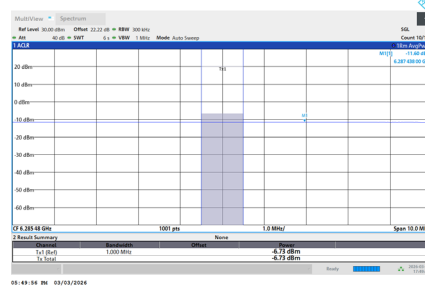
Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.2123	Limit ≤ 0.625 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.22	-
Antenna Power Tolerance (%)	-3.4889	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	0.5572	Limit ≤ 0.625 mW/MHz

Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
3. Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

CH63



Horizontal Antenna

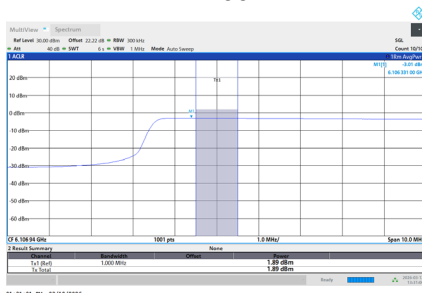
Test Mode: IEEE 802.11ax(HE20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	1.5453	1.5849	0.0521	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.59			-
Antenna Power Tolerance (%)	-2.8142	-0.3212	-13.1342	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	8.7096	8.9331	0.2938	Limit ≤ 10 mW/MHz

Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

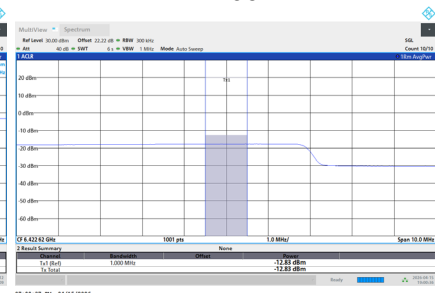
CH33



CH45



CH93



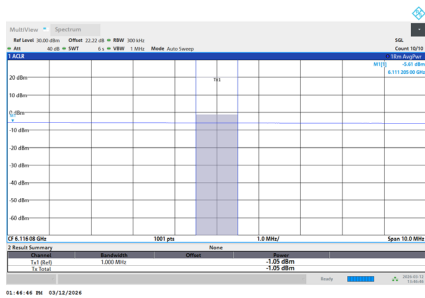
Test Mode: IEEE 802.11ax(HE40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.7852	0.8531	0.8299	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.86			-
Antenna Power Tolerance (%)	-8.6935	-0.8023	-3.5057	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	4.4259	4.8084	4.6774	Limit ≤ 5 mW/MHz

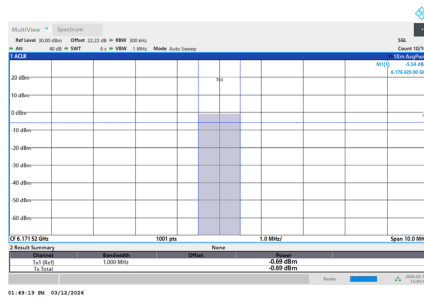
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 - Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 - Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = 10 log (Ant X)
X = the total number of antennas

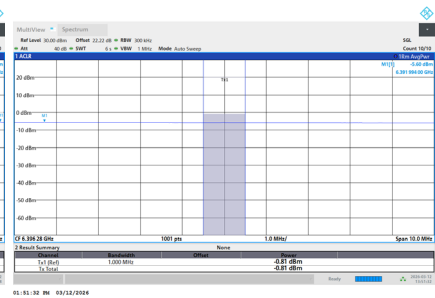
CH35



CH43



CH91



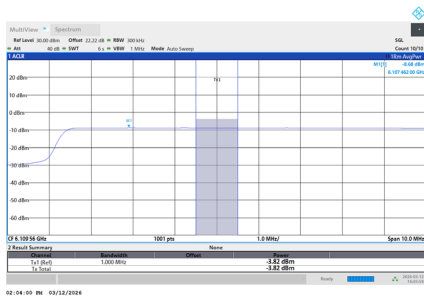
Test Mode: IEEE 802.11ax(HE80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.4150	0.4169	0.3837	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.42			-
Antenna Power Tolerance (%)	-1.2014	-0.7454	-8.6411	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	2.3388	2.3496	2.1627	Limit ≤ 2.5 mW/MHz

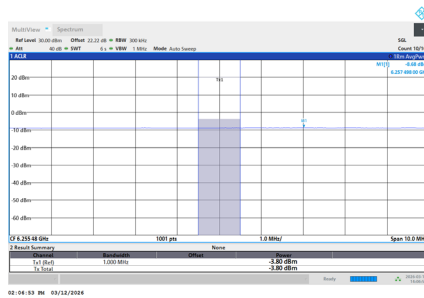
Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = 10 log (Ant X)
X = the total number of antennas

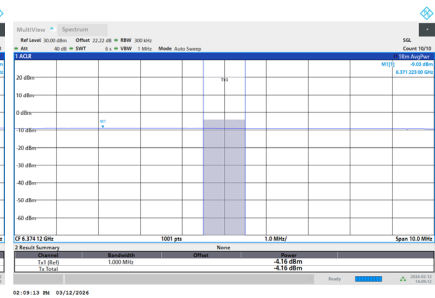
CH39



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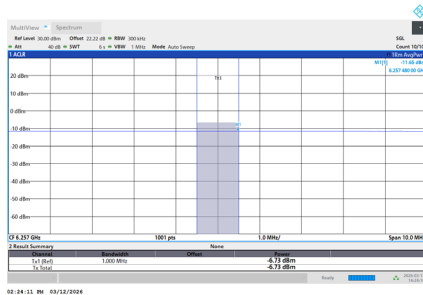
Test Mode: IEEE 802.11ax(HE160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.2123	0.2148	Limit ≤ 1.25 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.22		-
Antenna Power Tolerance (%)	-3.4889	-2.3713	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	1.1967	1.2106	Limit ≤ 1.25 mW/MHz

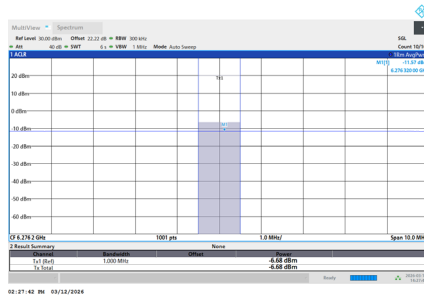
Note:

- Antenna power tolerance = $\{(\text{conducted power density-rated power density})/\text{rated power density}\}$
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

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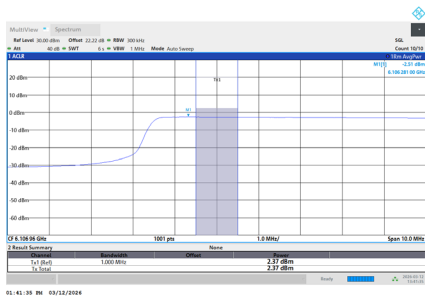
Test Mode: IEEE 802.11be(EHT20)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6115	6175	6415	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	1.7258	1.5560	0.0646	Limit ≤ 10 mW/MHz
Antenna Power (Rated) (mW/MHz)	1.73			-
Antenna Power Tolerance (%)	-0.2406	-10.0598	-7.7637	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	9.7275	8.7700	0.3639	Limit ≤ 10 mW/MHz

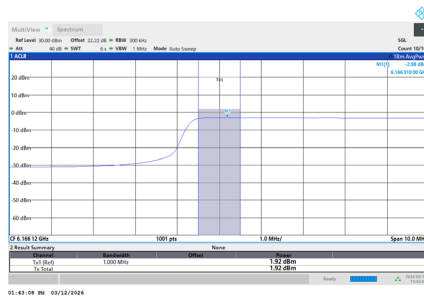
Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

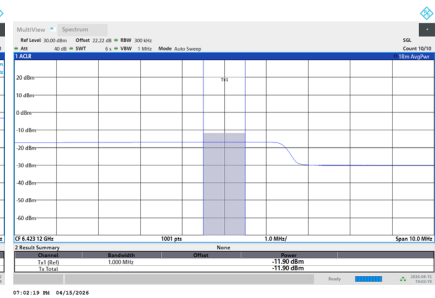
CH33



CH45



CH93



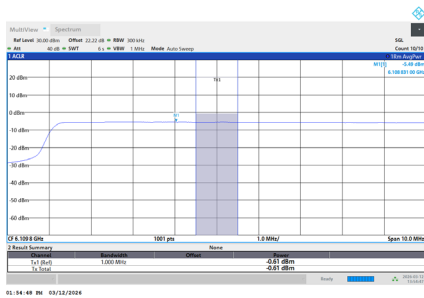
Test Mode: IEEE 802.11be(EHT40)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6125	6165	6405	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.8690	0.7674	0.8472	Limit ≤ 5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.85			-
Antenna Power Tolerance (%)	2.2306	-9.7222	-0.3262	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	4.8978	4.3251	4.7753	Limit ≤ 5 mW/MHz

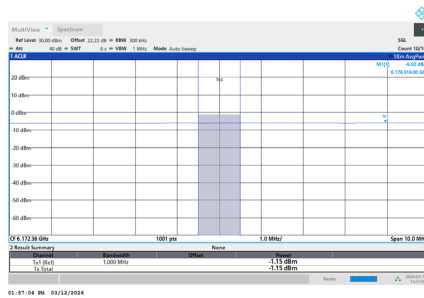
Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = 10 log (Ant X)
X = the total number of antennas

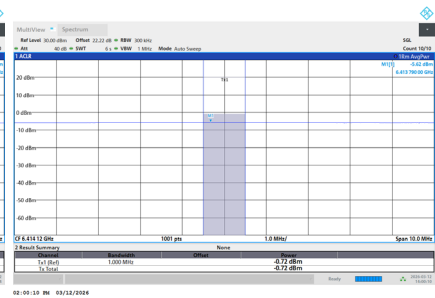
CH35



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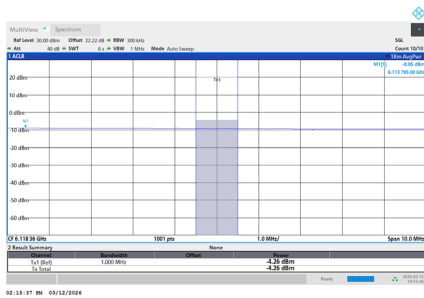
Test Mode: IEEE 802.11be(EHT80)

Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	6145	6225	6385	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.3750	0.3741	0.4198	Limit ≤ 2.5 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.42			-
Antenna Power Tolerance (%)	-10.7207	-10.9261	-0.0574	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	2.1135	2.1086	2.3659	Limit ≤ 2.5 mW/MHz

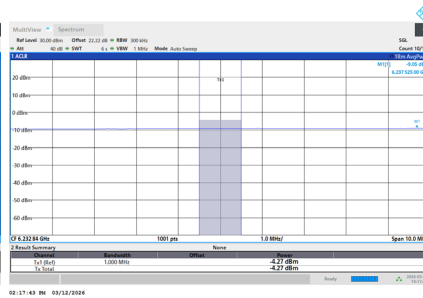
Note:

1. Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
 2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
 3. Antenna Power value = SA measurement value + Directional gain + cable loss
- Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

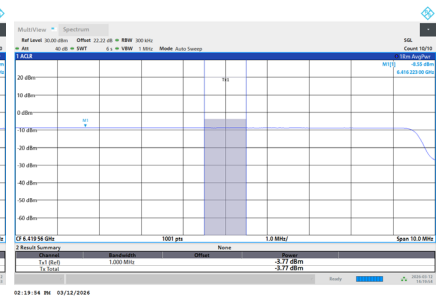
CH39



CH55



CH87



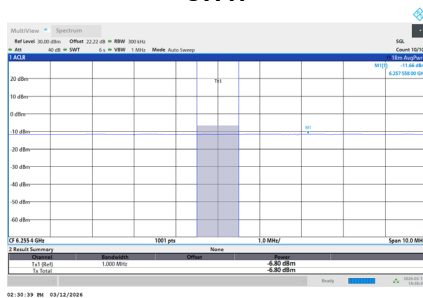
Test Mode: IEEE 802.11be(EHT160)

Test Voltage	Normal Voltage		Remarks
Test Frequency (MHz)	6185	6345	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.2089	0.1977	Limit ≤ 1.25 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.21		-
Antenna Power Tolerance (%)	-0.5097	-5.8586	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	1.1776	1.1143	Limit ≤ 1.25 mW/MHz

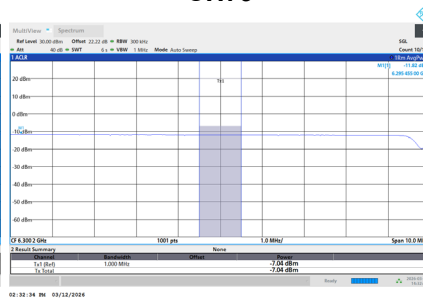
Note:

1. Antenna power tolerance = $\{(\text{conducted power density-rated power density})/\text{rated power density}\}$
2. Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
3. Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = $10 \log (\text{Ant X})$
X = the total number of antennas

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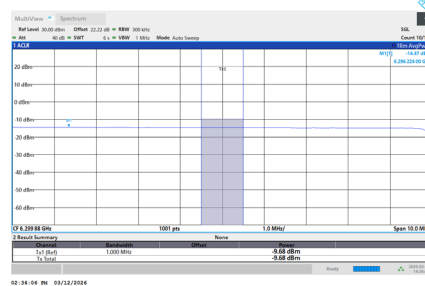
Test Mode:	IEEE 802.11be(EHT320)
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Test Voltage	Normal Voltage	Remarks
Test Frequency (MHz)	6265	Low/Mid/High of test frequency range
Antenna Power (Conductive) (mW/MHz)	0.1076	Limit ≤ 0.625 mW/MHz
Antenna Power (Rated) (mW/MHz)	0.11	-
Antenna Power Tolerance (%)	-2.1395	Limit + 20% ~ - 80%
Antenna Power (EIRP) (mW/MHz)	0.6067	Limit ≤ 0.625 mW/MHz

Note:

- Antenna power tolerance = {(conducted power density-rated power density)/rated power density}
- Radiated RF output power density (EIRP) = conducted RF output power density + Max. Antenna gain
- Antenna Power value = SA measurement value + Directional gain + cable loss
Directional gain = 10 log (Ant X)
X = the total number of antennas

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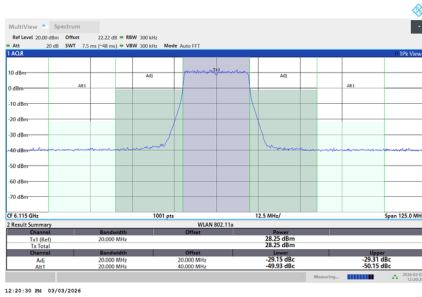
APPENDIX E - ADJACENT CHANNEL EMITTED POWER

Vertical Antenna

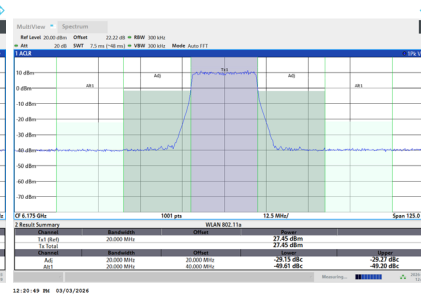
Test Mode: IEEE 802.11ax(HE20)

Test Voltage		Normal Voltage				Remarks
Test Frequency	MHz	6115	6175	6415	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-20	29.15	29.15	29.43	dB	Limit ≥ 25 dB
	+20	29.31	29.27	29.69	dB	Limit ≥ 25 dB
	-40	49.93	49.61	49.22	dB	Limit ≥ 40 dB
	+40	50.15	49.20	49.36	dB	Limit ≥ 40 dB

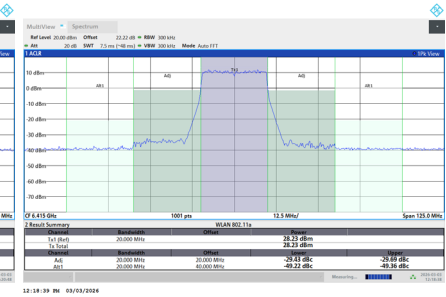
CH33



CH45



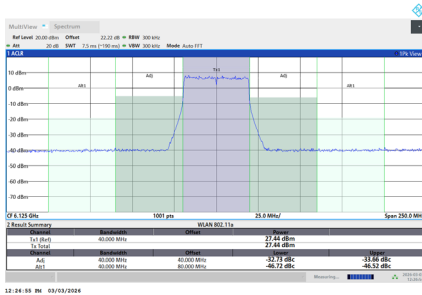
CH93



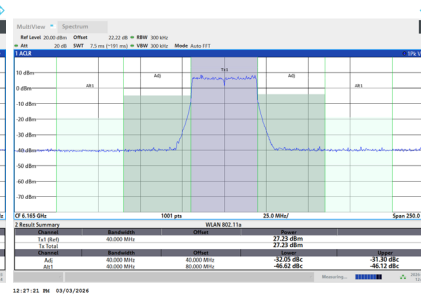
Test Mode: IEEE 802.11ax(HE40)

Test Voltage		Normal Voltage				Remarks
Test Frequency	MHz	6125	6165	6405	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-40	32.73	32.05	32.97	dB	Limit ≥ 25 dB
	+40	33.66	31.30	33.39	dB	Limit ≥ 25 dB
	-80	46.72	46.62	46.12	dB	Limit ≥ 40 dB
	+80	46.52	46.12	45.82	dB	Limit ≥ 40 dB

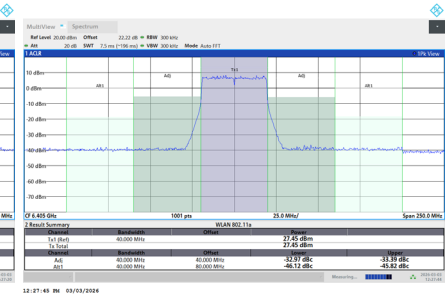
CH35



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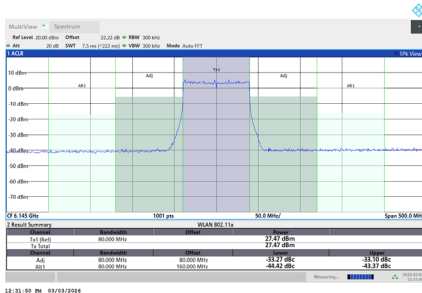
CH91



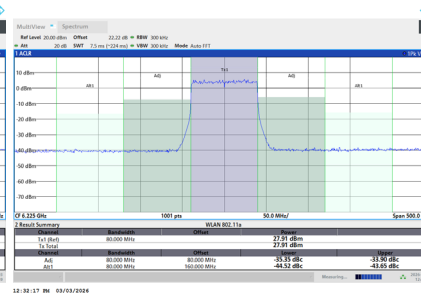
Test Mode: IEEE 802.11ax(HE80)

Test Voltage		Normal Voltage				Remarks
Test Frequency	MHz	6145	6225	6385	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-80	33.27	35.35	32.58	dB	Limit ≥ 25 dB
	+80	33.10	33.90	34.82	dB	Limit ≥ 25 dB
	-160	44.42	44.52	43.69	dB	Limit ≥ 40 dB
	+160	43.37	43.65	44.80	dB	Limit ≥ 40 dB

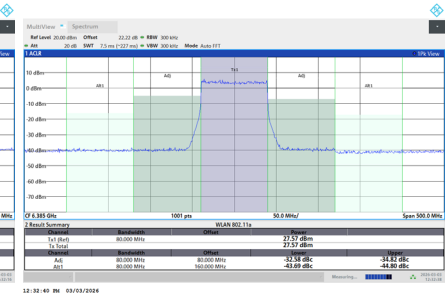
CH39



CH55



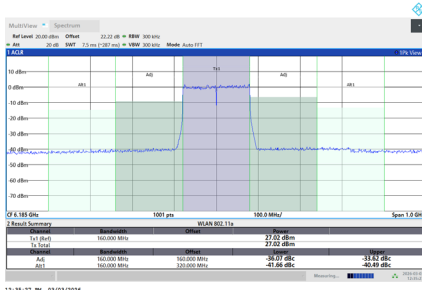
CH87



Test Mode: IEEE 802.11ax(HE160)

Test Voltage		Normal Voltage				Remarks
Test Frequency	MHz	6185	6345	-	-	Low/Mid/High of test frequency range
Adjacent Channel Emitted Power	-160	36.07	33.15	dB		Limit ≥ 25 dB
	+160	33.62	35.05	dB		Limit ≥ 25 dB
	-320	41.66	41.30	dB		Limit ≥ 40 dB
	+320	40.49	41.60	dB		Limit ≥ 40 dB

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