

**FCC - TEST REPORT**

Report Number : **68.910.22.0077.01** Date of Issue: 2022-11-10

Model : Z-2500, Z-3500

Product Type : Air Purifier

Applicant : ACCO Brands, Inc.

Address : 4 Corporate Drive Lake Zurich Illinois United States 60047

Manufacturer : ACCO Brands, Inc.

Address : 4 Corporate Drive Lake Zurich Illinois United States 60047

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : **26**

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2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2, Nanshan District,
Shenzhen City, 518052,
P. R. China

FCC Registration Number: 514049

Telephone: 86 755 8828 6998
Fax: 86 755 8828 5299



3 Description of the Equipment Under Test

Description of the Equipment Under Test

Product: Air Purifier

Model no: Z-2500, Z-3500

FCC ID: GV3-22Z3X00A

Options and accessories: NIL

Ratings: Z-2500:
Air Purifier: 120VAC, 60Hz, 0.5A
Z-3500:
Air Purifier: 120VAC, 60Hz, 1.1A

RF Transmission Frequency: 2469MHz-2479MHz

Antenna Type: PCB Antenna

Antenna Gain: 2.0dBi

Description of the EUT: The product is an Air Purifier that operated at 2.4GHz,
The TX and RX range is 2469-2479MHz

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	RATINGS	MODEL NO.
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4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2021 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

All the test methods were according to ANSI C63.10-2013.

5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart C 15.249				
Test Condition	Test Site	Test Result		
		Pass	Fail	N/A
15.207 Conducted emission AC power port	Site 1	☒	☐	☐
§15.205(a), §15.209(a), §15.249(a), §15.249(c) & Field strength of emissions and Restricted bands	Site 1	☒	☐	☐
§15.249(d) Out of band emissions	Site 1	☒	☐	☐
FCC §15.215(c) 20dB bandwidth & 99% Occupied Bandwidth	Site 1	☒	☐	☐
§15.203 Antenna requirement	See note 1	☒	☐	☐

Remark 1: N/A- Not Applicable;

Note 1: The EUT used an PCB antenna, which gain is 2.0dBi. According to §15.203, it is considered sufficiently to comply with the provisions of this section.



6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: GV3-22Z3X00A complies with Section 15.207, 15.205, 15.209, 15.249 of the FCC Part 15, Subpart C Rules;

Z-2500 and Z-3500 have the same RF modular board, UI Board. The different are the power board, appearance of size, dimensions, motor, area of purification and the model number. So full tests were applied on Z-3500, additional spurious emission below 1GHz was applied on Z-2500.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 2022-10-24

Testing Start Date: 2022-10-24

Testing End Date: 2022-11-09

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

Prepared by:

Tested by:

John Zhi
Project Manager

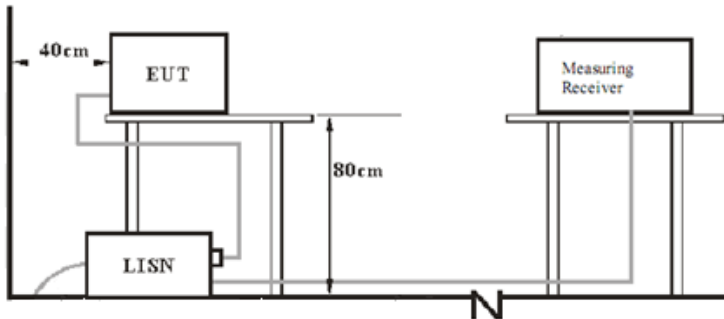
Mark Chen
Project Engineer



Carry Cai
Test Engineer

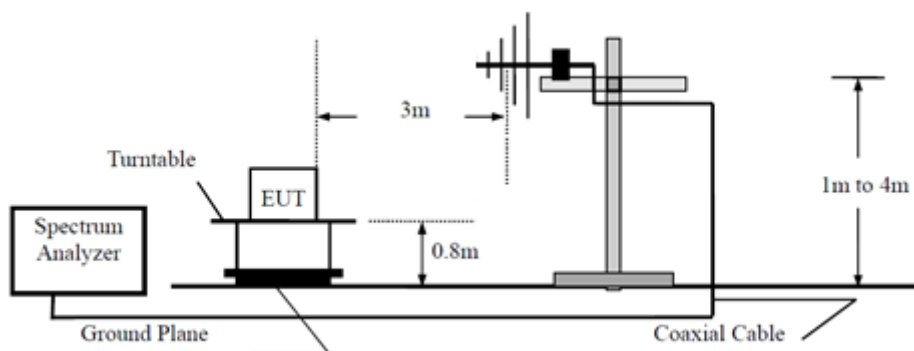
7 Test setups

7.1 AC Power Line Conducted Emission test setups

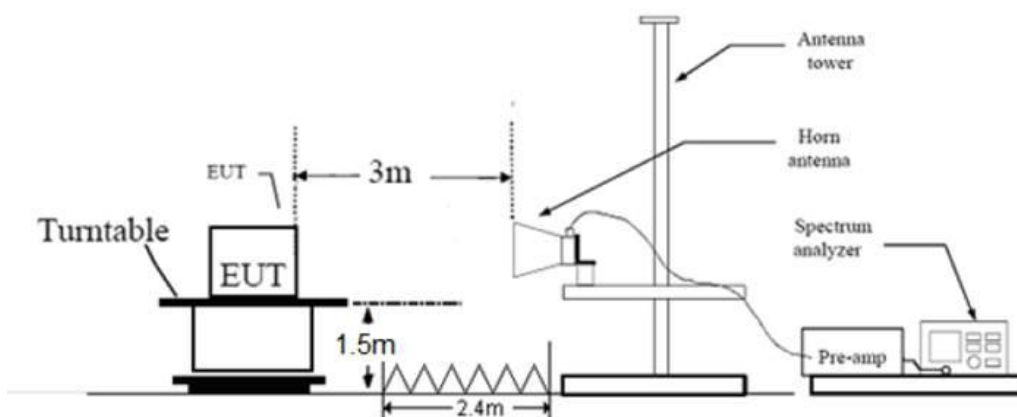


7.2 Radiated test setups

Below 1GHz



Above 1GHz



8 Technical Requirement

8.1 Conducted Emission

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

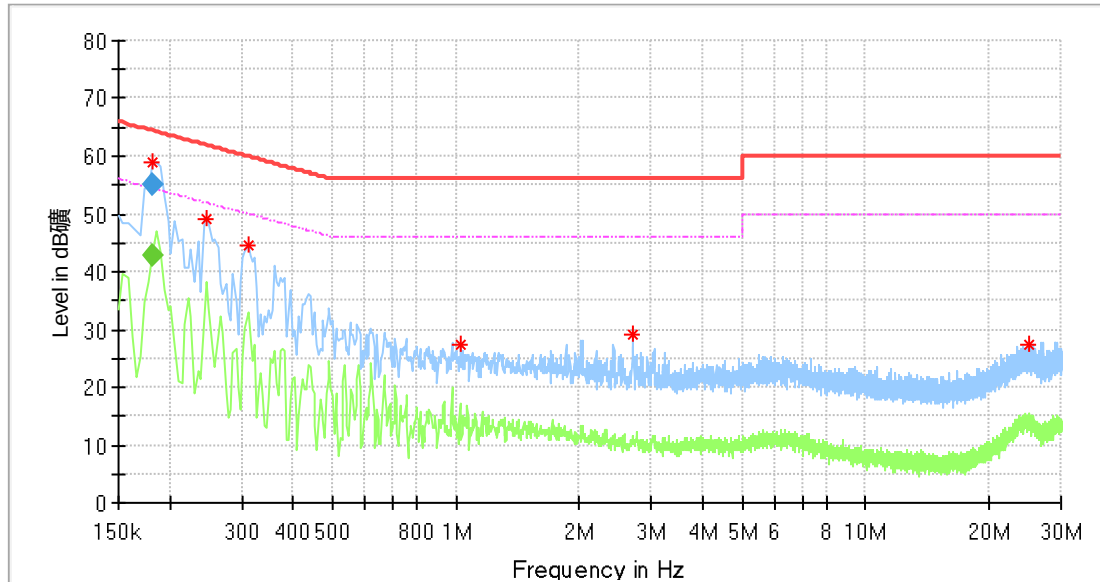
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreasing linearly with logarithm of the frequency.

Conducted Emission

Product Type : Air Purifier
 M/N : Z-2500
 Operating Condition : Normal working with transmitting
 Test specification : Live
 Comment : AC 120V/60Hz



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.181500	58.92	---	64.21	5.30	L1	9.71
0.246000	49.00	---	61.89	12.89	L1	9.68
0.310000	44.45	---	59.97	15.53	L1	9.66
1.026000	27.39	---	56.00	28.61	L1	9.66
2.710000	29.25	---	56.00	26.75	L1	9.72
24.950000	27.33	---	60.00	32.67	L1	10.42

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.181500	---	42.85	54.42	11.57	L1	9.71
0.181500	54.97	---	64.42	9.45	L1	9.71

Remark:

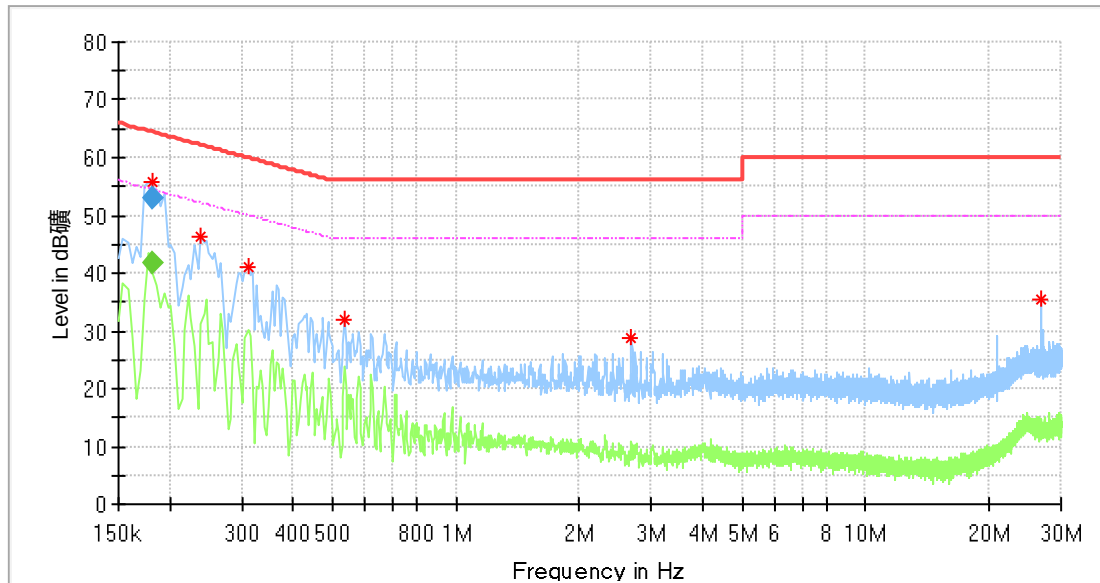
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Air Purifier
 M/N : Z-2500
 Operating Condition : Normal working with transmitting
 Test specification : Neutral
 Comment : AC 120V/60Hz



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.181500	55.71	---	64.58	8.87	N	9.76
0.238000	46.37	---	62.17	15.80	N	9.71
0.310000	41.20	---	59.97	18.77	N	9.69
0.534000	31.85	---	56.00	24.15	N	9.68
2.686000	28.71	---	56.00	27.29	N	9.76
26.870000	35.33	---	60.00	24.67	N	10.90

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.181500	---	41.62	54.42	12.80	N	9.75
0.181500	53.12	---	64.42	11.30	N	9.75

Remark:

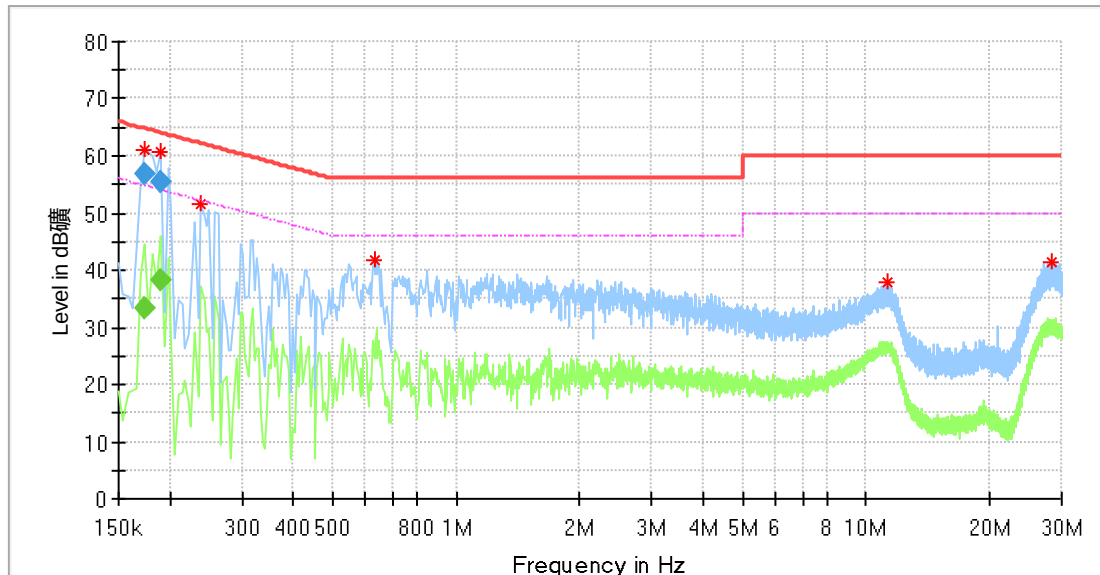
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Air Purifier
 M/N : Z-3500
 Operating Condition : Normal working with transmitting
 Test specification : Live
 Comment : AC 120V/60Hz



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.173500	61.21	---	64.77	3.56	L1	9.72
0.189500	60.64	---	64.04	3.40	L1	9.70
0.238000	51.62	---	62.17	10.54	L1	9.68
0.630000	41.82	---	56.00	14.18	L1	9.65
11.242000	37.96	---	60.00	22.04	L1	10.18
28.446000	41.49	---	60.00	18.51	L1	10.43

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.173500	---	33.30	54.79	21.49	L1	9.72
0.173500	56.95	---	64.79	7.84	L1	9.72
0.189500	---	38.42	54.06	15.64	L1	9.71
0.189500	55.41	---	64.06	8.65	L1	9.71

Remark:

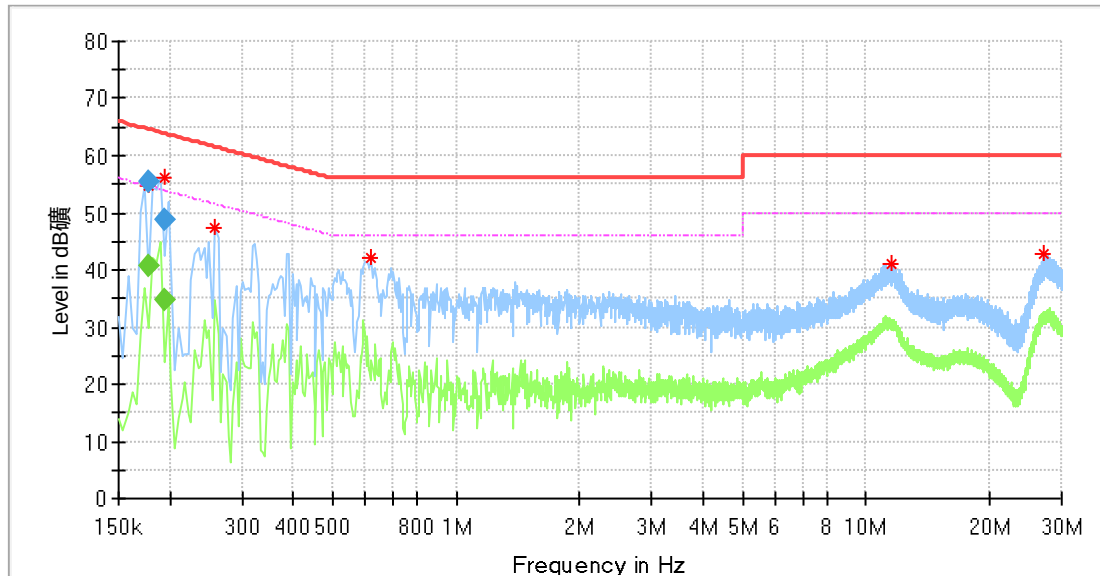
Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Conducted Emission

Product Type : Air Purifier
 M/N : Z-3500
 Operating Condition : Normal working with transmitting
 Test specification : Neutral
 Comment : AC 120V/60Hz



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.178500	54.80	---	64.77	9.97	N	9.76
0.194500	55.98	---	64.04	8.05	N	9.74
0.258000	47.42	---	61.50	14.07	N	9.70
0.622000	42.02	---	56.00	13.98	N	9.68
11.498000	41.04	---	60.00	18.96	N	10.27
27.202000	42.83	---	60.00	17.17	N	10.92

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB/m)
0.178500	---	40.70	54.56	13.86	N	9.76
0.178500	55.56	---	64.56	9.00	N	9.76
0.194500	---	34.62	53.84	19.22	N	9.74
0.194500	48.93	---	63.84	14.91	N	9.74

Remark:

Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

8.2 Field strength of emissions and Restricted bands

Test Method

- 1: The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3-meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
- 3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 1MHz, VBW ≥ RBW for peak measurement and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

- 1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.
- 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($20\log(1/\text{duty cycle})$).
- 4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

Field strength of emissions and Restricted bands

Limits

According to §15.249 (a) the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

According to §15.249 (c), Field strength limits are specified at a distance of 3 meters.

According to §15.249 (d), Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

Frequency MHz	Field Strength $\mu\text{V/m}$	Field Strength $\text{dB}\mu\text{V/m}$	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Field strength of emissions and Restricted bands

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Fundamental test result as below:

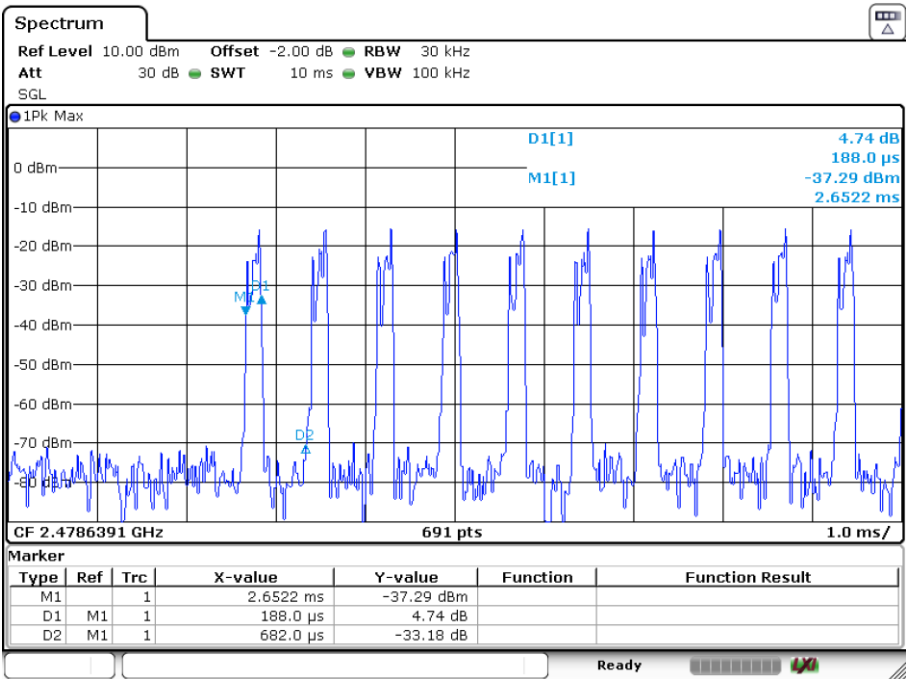
2469MHz-2479MHz Test Result

Radiated Emission									
Value	Emissions Frequency MHz	E-Field Polarity	PK Emission dBμV/m	Corr.	Average Factor dB	AV Emission dBμV/m	Limit dBμV/m	Margin	Emission Type
PK	2469	H	92.38	-2.25	0.00	/	114.00	21.62	Fundamental
AV	2469	H	92.38	/	-11.21	81.17	94.00	12.83	Fundamental
PK	2469	V	84.17	-2.25	0.00	/	114.00	29.83	Fundamental
AV	2469	V	84.17	/	-11.21	72.96	94.00	21.04	Fundamental
PK	2474	H	84.90	-2.24	0.00	/	114.00	29.10	Fundamental
AV	2474	H	84.90	/	-11.21	73.69	94.00	20.31	Fundamental
PK	2474	V	85.12	-2.23	0.00	/	114.00	28.88	Fundamental
AV	2474	V	85.12	/	-11.21	73.91	94.00	20.09	Fundamental
PK	2479	H	95.61	-2.22	0.00	/	114.00	18.39	Fundamental
AV	2479	H	95.61	/	-11.21	84.40	94.00	9.6	Fundamental
PK	2479	V	85.07	-2.22	0.00	/	114.00	28.93	Fundamental
AV	2479	V	85.07	/	-11.21	73.86	94.00	20.14	Fundamental

Transmitting spurious emission test result as below: Test Result

Radiated Emission									
Value	Emissions Frequency MHz	E-Field Polarity	PK Emission dBμV/m	Corr.	Average Factor dB	AV Emission dBμV/m	Limit dBμV/m	Margin	Emission Type
Below 1GHz-(Z-2500)									
PK	127	H	34.74	16.39	0.00	/	43.5	8.76	Spurious
PK	912.46	V	34.45	32.91	0.00	/	46	11.55	Spurious
Below 1GHz-(Z-3500)									
PK	912.46	H	34.45	32.91	0.00	/	46	11.55	Spurious
PK	76.94	V	34.78	14.26	0.00	/	40	3.97	Spurious
Above 1GHz (2469MHz)									
PK	5591.500000	H	48.95	5.76	0.00	/	74.00	25.05	Spurious
PK	4938	V	54.12	4.41	0.00	/	74.00	19.88	Spurious
AV	4938	V	54.12	/	-11.21	42.91	54.00	11.09	Spurious
Above 1GHz (2474MHz)									
PK	4948	H	55.33	4.45	0.00	/	74.00	18.67	Spurious
AV	4948	H	55.33	/	-11.21	44.12	54.00	9.88	Spurious
PK	5486.500000	V	48.85	6.02	0.00	/	74.00	25.15	Spurious
Above 1GHz (2479MHz)									
PK	4958	H	54.15	4.49	0.00	/	74.00	19.85	Spurious
AV	4958	H	54.15	/	-11.21	42.94	54.00	11.06	Spurious
PK	4958	V	58.57	4.49	0.00	/	74.00	15.43	Spurious
AV	4958	V	58.57	/	-11.21	47.36	54.00	6.64	Spurious

Duty cycle=0.188ms/0.682ms=0.276
Peak to average duty cycle correction factor =20log(duty cycle)=-11.21



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Remark:

- (1) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.
- (2) Corrected Amplitude= Read level + Corrector factor
Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Pre-amplifier
Below 1GHz: Corrector factor = Antenna Factor + Cable Loss
(The Reading Level is recorded by software which is not shown in the sheet)
- (3) AV Emission = Average Reading Level + Correction Factor (for duty cycle ≤ 98%)

8.3 Out of Band Emissions

Test Method

- 1 Use the following spectrum analyzer settings:
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 kHz, VBW $\geq$ RBW, Sweep = auto, Detector function = peak, Trace = max
hold.
- 2 Allow the trace to stabilize, use the peak and delta measurement to record the result.
- 3 The level displayed must comply with the limit specified in this Section.

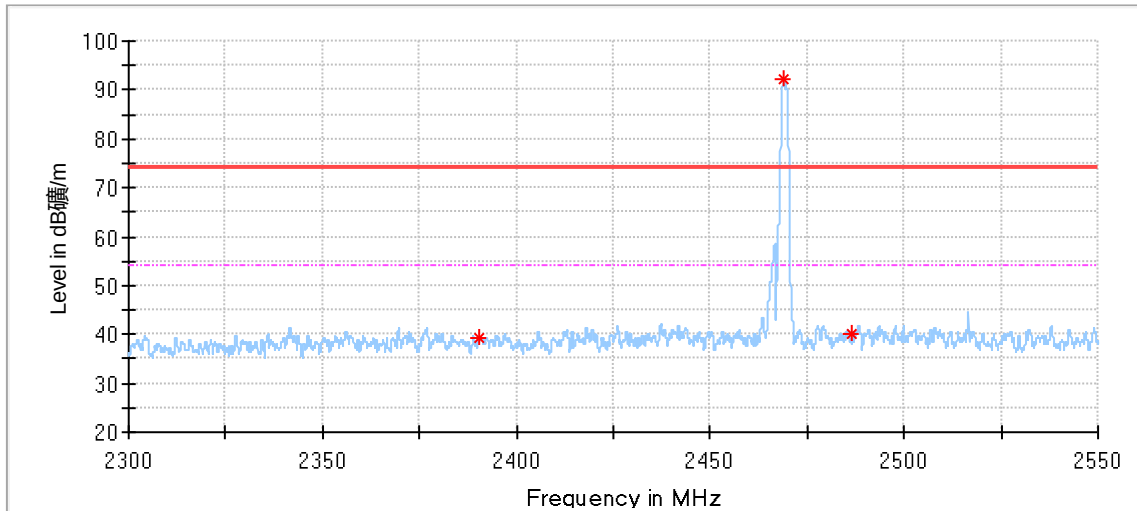
Limits

According to §15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

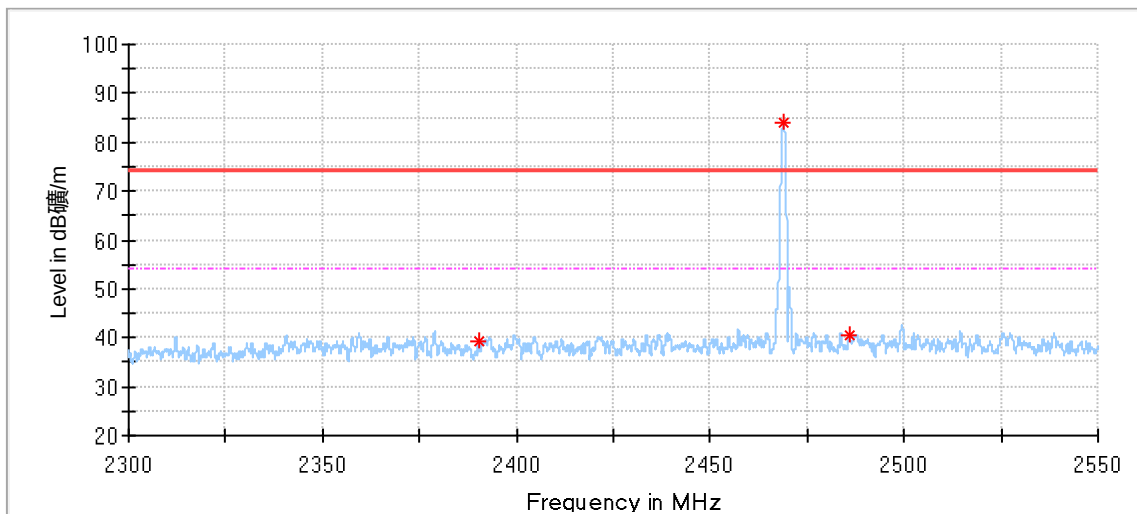
Out of Band Emissions

2469MHz



Critical Freqs

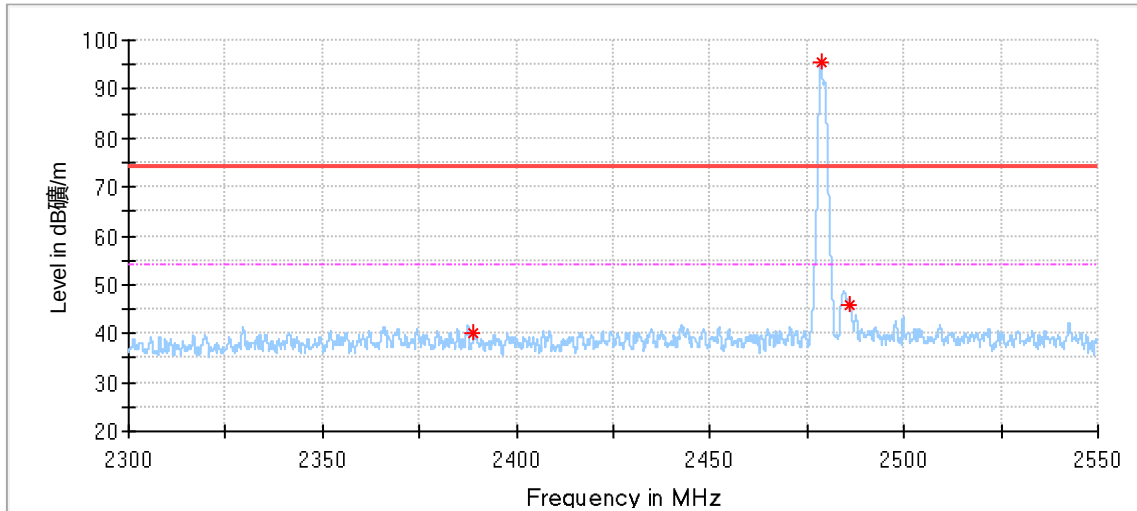
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.300000	39.08	74.00	34.92	150.0	H	155.0	-2.94
2468.900000	92.38	74.00	-18.38	150.0	H	64.0	-2.25
2486.575000	40.02	74.00	33.98	150.0	H	190.0	-2.19



Critical Freqs

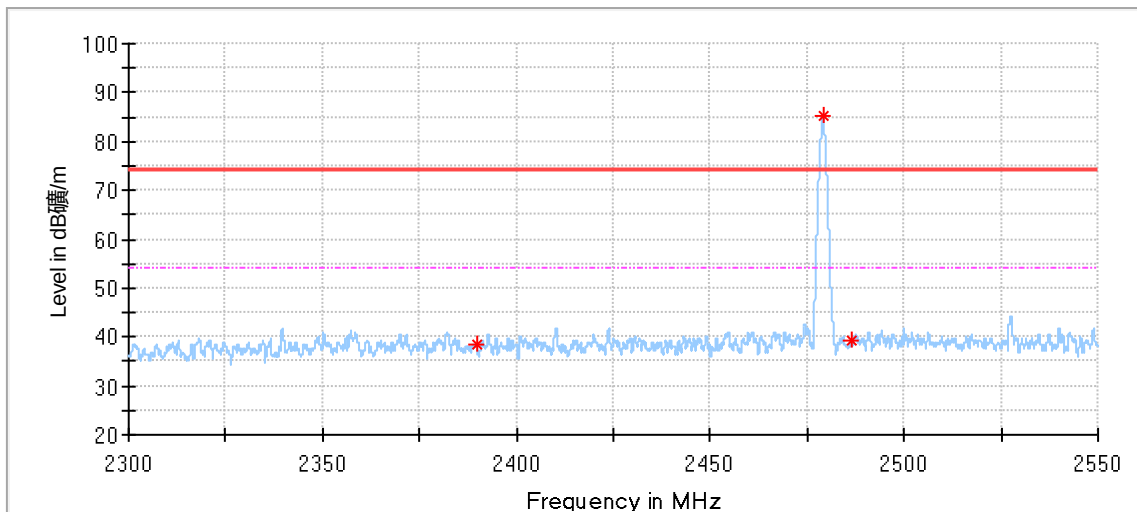
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.275000	39.11	74.00	34.89	150.0	V	145.0	-2.94
2468.875000	84.17	74.00	-10.17	150.0	V	273.0	-2.25
2485.800000	40.41	74.00	33.59	150.0	V	234.0	-2.19

2479MHz



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.100000	39.96	74.00	34.04	150.0	H	223.0	-2.95
2478.600000	95.61	74.00	-21.61	150.0	H	228.0	-2.22
2485.825000	45.67	74.00	28.33	150.0	H	219.0	-2.19



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.675000	38.60	74.00	35.40	150.0	V	347.0	-2.95
2479.000000	85.07	74.00	-11.07	150.0	V	220.0	-2.22
2486.375000	39.30	74.00	34.70	150.0	V	95.0	-2.19

8.4 20dB Bandwidth & 99% Occupied Bandwidth

Test Method

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to spectrum analyser. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.

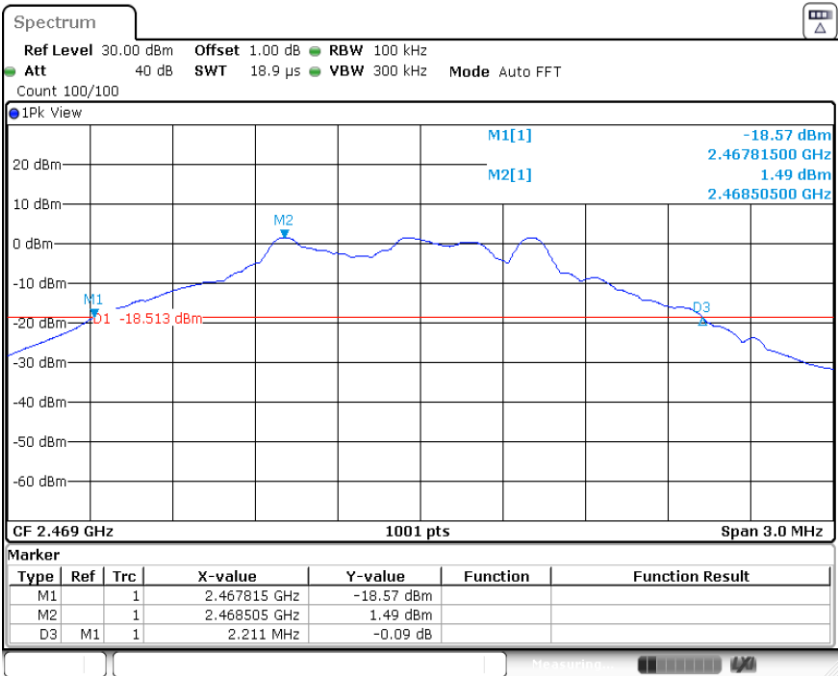
Limits:

According to 15.215 (c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

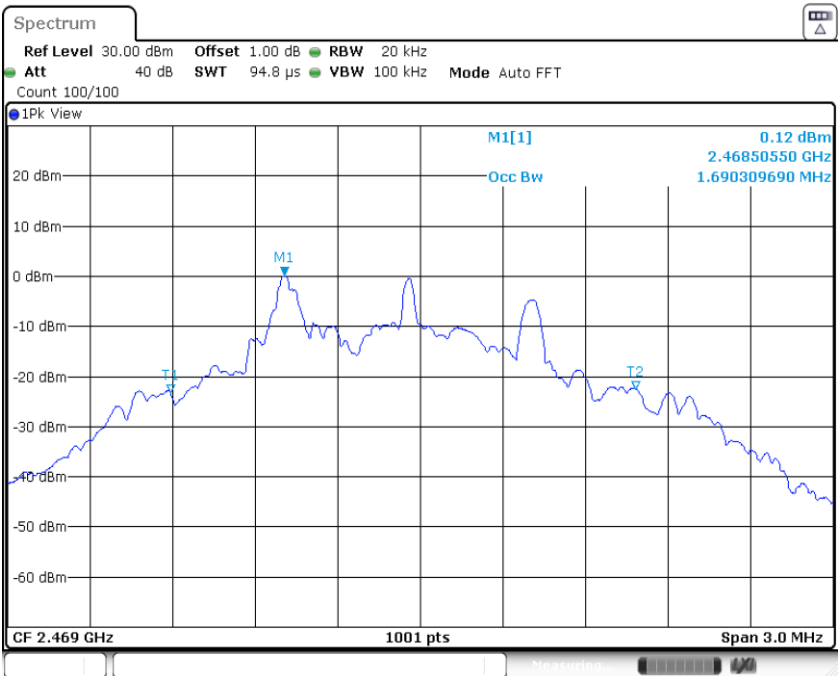


20dB Bandwidth & 99% Occupied Bandwidth

Frequency	20dB Bandwidth	99% Bandwidth	Limit
MHz	MHz	MHz	MHz
2469	2.211	1.69	--



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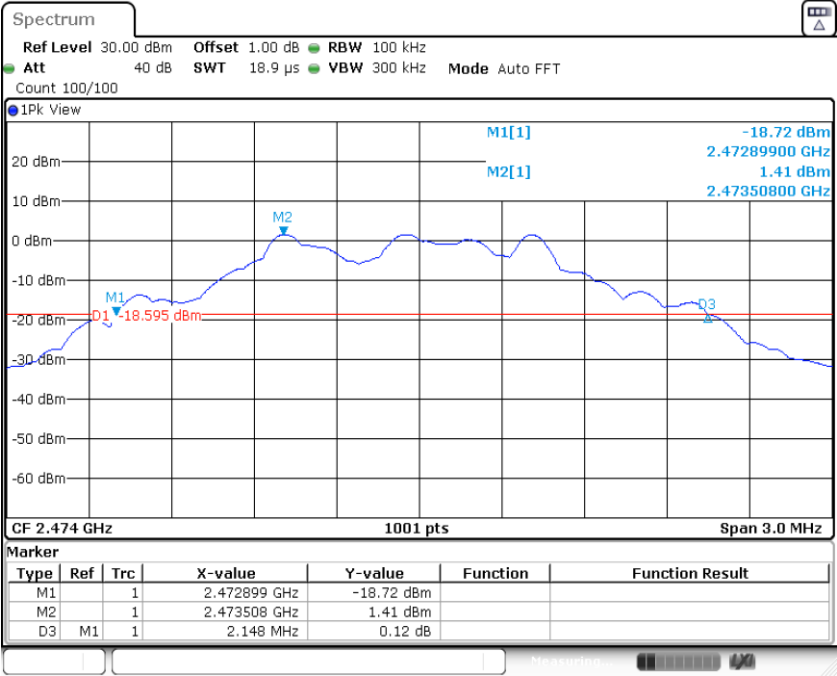


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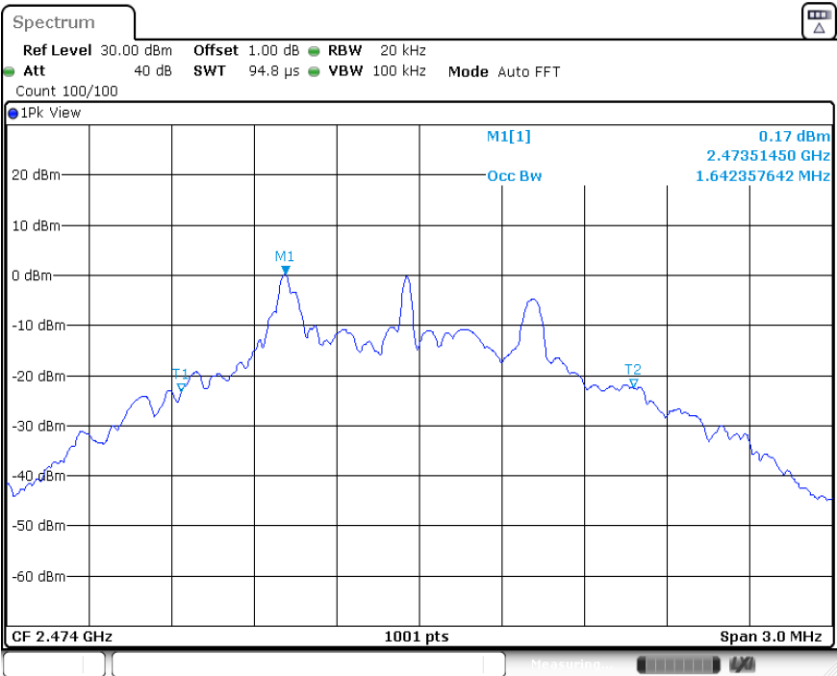
2469MHz



Frequency	20dB Bandwidth	99% Bandwidth	Limit
MHz	MHz	MHz	MHz
2474	2.148	1.642	--



Date: 8.NOV.2022 16:30:21

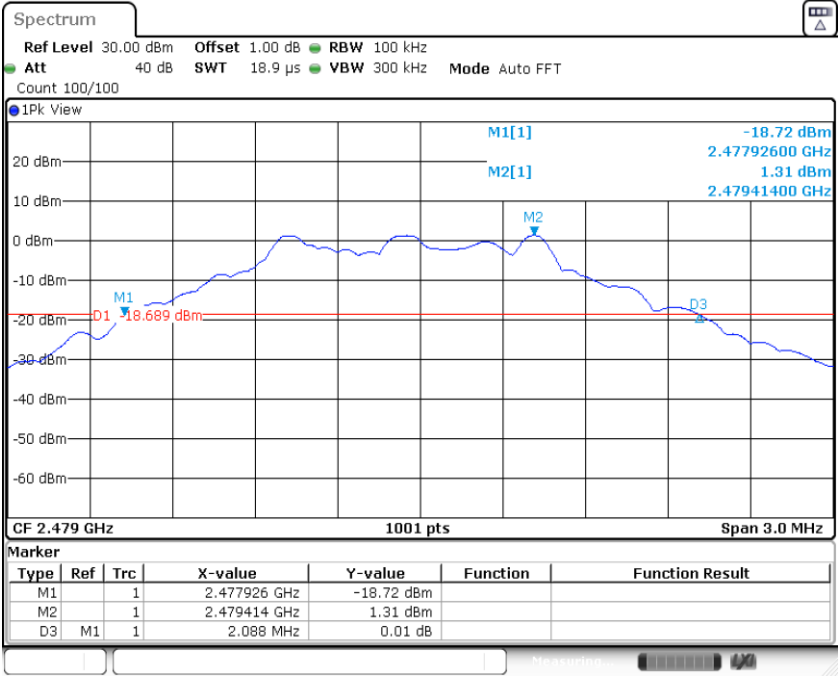


Date: 8.NOV.2022 16:30:32

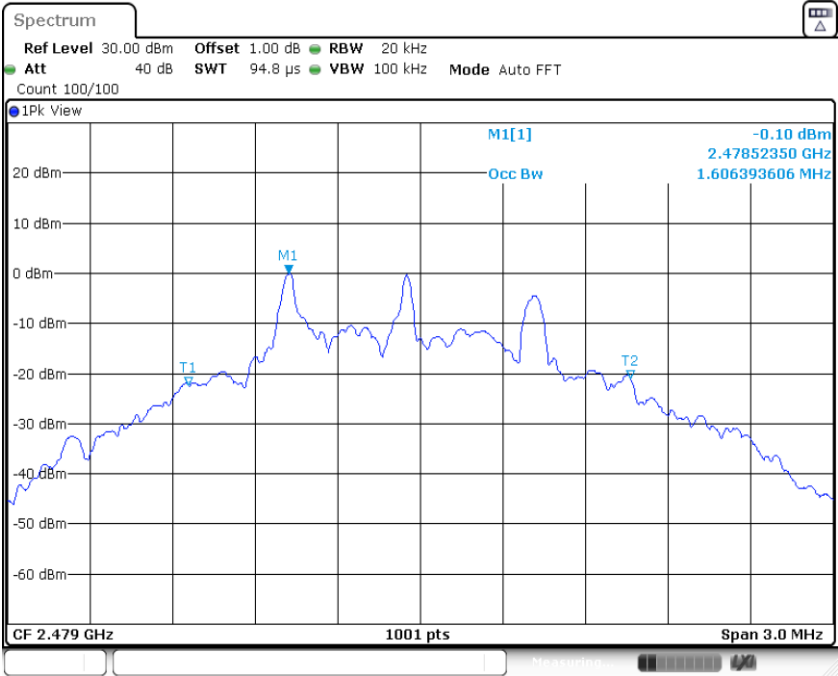
2474MHz



Frequency	20dB Bandwidth	99% Bandwidth	Limit
MHz	MHz	MHz	MHz
2479	2.088	1.606	--



Date: 8.NOV.2022 16:31:38



Date: 8.NOV.2022 16:31:49

2479MHz

9 Test equipment lists

Conducted Emission 1# Test

Description	Manufacturer	Model no.	Equipment ID	Serial no.	cal interval (year)	cal. due date
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2023-5-27
LISN	Rohde & Schwarz	ENV4200	68-4-87-14-001	100249	1	2023-5-27
LISN	Rohde & Schwarz	ENV432	68-4-87-16-001	101318	1	2023-5-27
LISN	Rohde & Schwarz	ENV216	68-4-87-14-002	100326	1	2023-5-27
ISN	Rohde & Schwarz	ENY81	68-4-87-14-003	100177	1	2023-5-27
ISN	Rohde & Schwarz	ENY81-CA6	68-4-87-14-004	101664	1	2023-5-27
High Voltage Probe	Schwarzbeck	TK9420(VT9420)	68-4-27-14-001	9420-584	1	2023-5-27
RF Current Probe	Rohde & Schwarz	EZ-17	68-4-27-14-002	100816	1	2023-5-31
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2023-5-27
Test software	Rohde & Schwarz	EMC32	68-4-90-14-003-A10	Version9.15.00	N/A	N/A
Shielding Room	TDK	CSR #1	68-4-90-19-004	----	3	2022-11-07

Radiated Emission 2# Test

Description	Manufacturer	Model no.	Equipment ID	Serial no.	cal interval (year)	cal. due date
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2023-5-28
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9162	68-4-80-19-003	284	1	2023-1-17
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2023-5-9
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2023-5-28
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-002	100746	1	2023-5-28
Sideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2023-7-12
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2023-7-27
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-002	15542	1	2023-5-27
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	2	2023-5-28
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

10 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission 150kHz-30MHz (for test using AMN ENV432 or ENV4200)	3.15dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.59dB; Vertical: 4.75dB;
Uncertainty for Radiated Spurious Emission 1000MHz-18000MHz	Horizontal: 5.08dB; Vertical: 5.09dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.51dB; Vertical: 4.50dB;