

TEST REPORT

Report No.: BCTC2411224958-4E

Applicant: Acer India PVT Limited

Product Name: Tablet

Test Model: Acer Iconia Tab iM10-22

Tested Date: 2024-11-14 to 2024-11-26

Issued Date: 2024-11-26

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2A94K-IM10-22

Product Name: Tablet

Trademark: 

Model/Type reference: Acer Iconia Tab iM10-22
Acer One T10-22L

Prepared For: Acer India PVT Limited

Address: Acer India PVT Limited, 6th Floor, Embassy Heights, No.13, Magrath Road,
Bangalore, 560025, India

Manufacturer: Acer India PVT Limited

Address: Acer India PVT Limited, 6th Floor, Embassy Heights, No.13, Magrath Road,
Bangalore, 560025, India

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road,
Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2024-11-14

Sample tested Date: 2024-11-14 to 2024-11-26

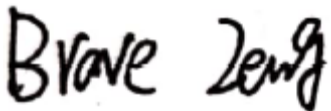
Issue Date: 2024-11-26

Report No.: BCTC2411224958-4E

Test Standards: FCC Part15 15.407
ANSI C63.10-2013
KDB 789033 D02 v02r01

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

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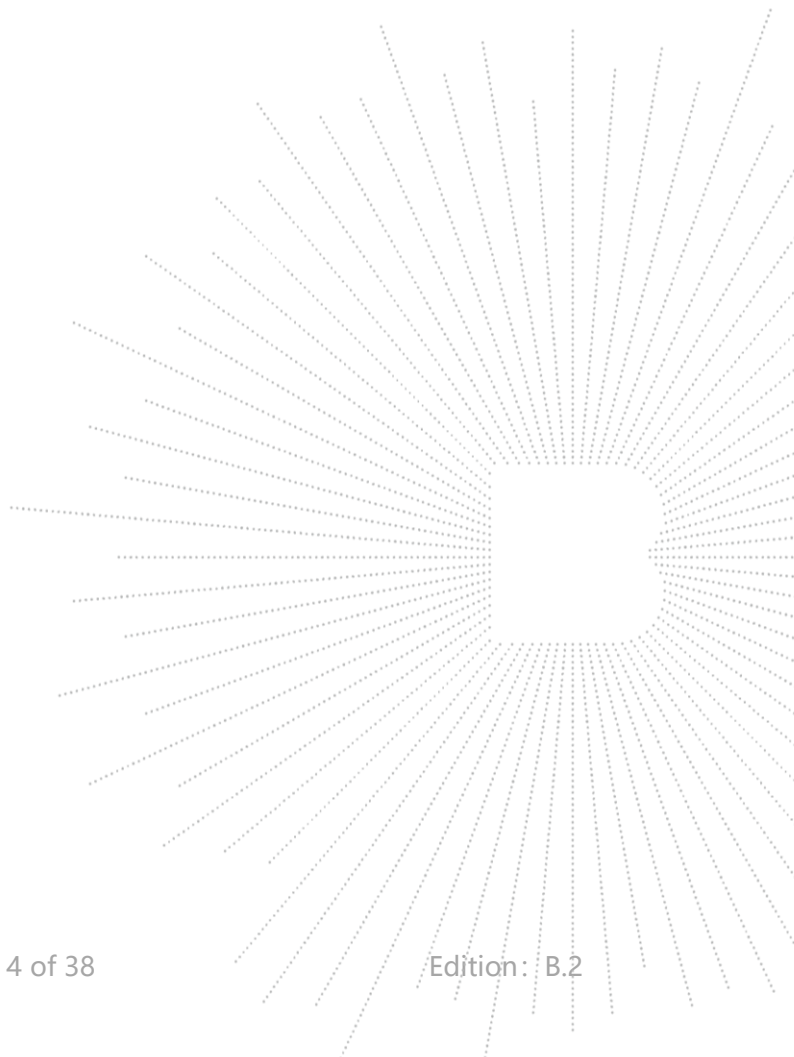
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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2411224958-4E	2024-11-26	Original	Valid



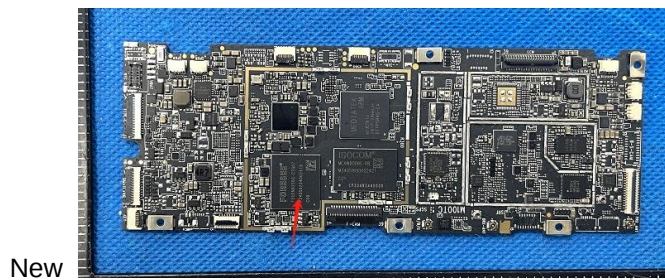
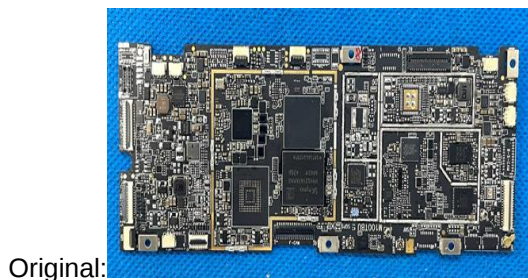
2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a), 15.407 (b)(1) 15.407 (b)(4) 15.407 (b)(8)	PASS
2	Conducted Emission	15.207	PASS
3	Band Edge	2.1051, 15.407(b)(1) 15.407(b)(4)	PASS
4	Spurious Emissions at Antenna Terminals	2.1051, 15.407(b)	PASS
5	Antenna Requirement	15.203	PASS

Note: According to the following changes of the product, the adapter is added and the memory IC chip is added on the board

Therefore, conducted emission and radiation emission, radiation stray and radiation sideband tests were only carried out in this report on the original report (BCTC2408633035-4E).



Note: According to the following changes in the original test report (BCTC2408633035-4E), Update only test instruments, conducted emission, radiation emission, radiation sideband, radiation spurious, EUT photos, etc.

3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C

4. Product Information And Test Setup

4.1 Product Information

Model/Type Reference:	Acer Iconia Tab iM10-22 Acer One T10-22L
Model Differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20); 5190-5230MHz for 802.11n(HT40); 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20); 5755-5795 MHz for 802.11n(HT40); 5775MHz for 802.11 ac80;
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac(VHT20): NSS1, MCS0-MCS8 802.11ac(VHT40/VHT80):NSS1, MCS0-MCS
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
Number Of Channel	4 channels for 802.11a/n20 in the 5180-5240MHz band ; 2 channels for 802.11 n40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; 5 channels for 802.11a/n20 in the 5745-5825MHz band ; 2 channels for 802.11 n40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band
Antenna Type:	Internal antenna
Antenna Gain:	5G: 2.06 dBi Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.
Ratings:	DC 9V from adapter/DC 3.8V from battery
Adapter Information:	Model: 623022C-1 Input: 100-240V~50/60Hz 0.8A Max Type-C Output: 5.0V---3.0A, 9.0V---2.0A, 12.0V---1.5A 18.0W Max PPS: 3.3-5.9V---3.0A 17.7W Max, 3.3-11.0V---1.65A 18.2W Max

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

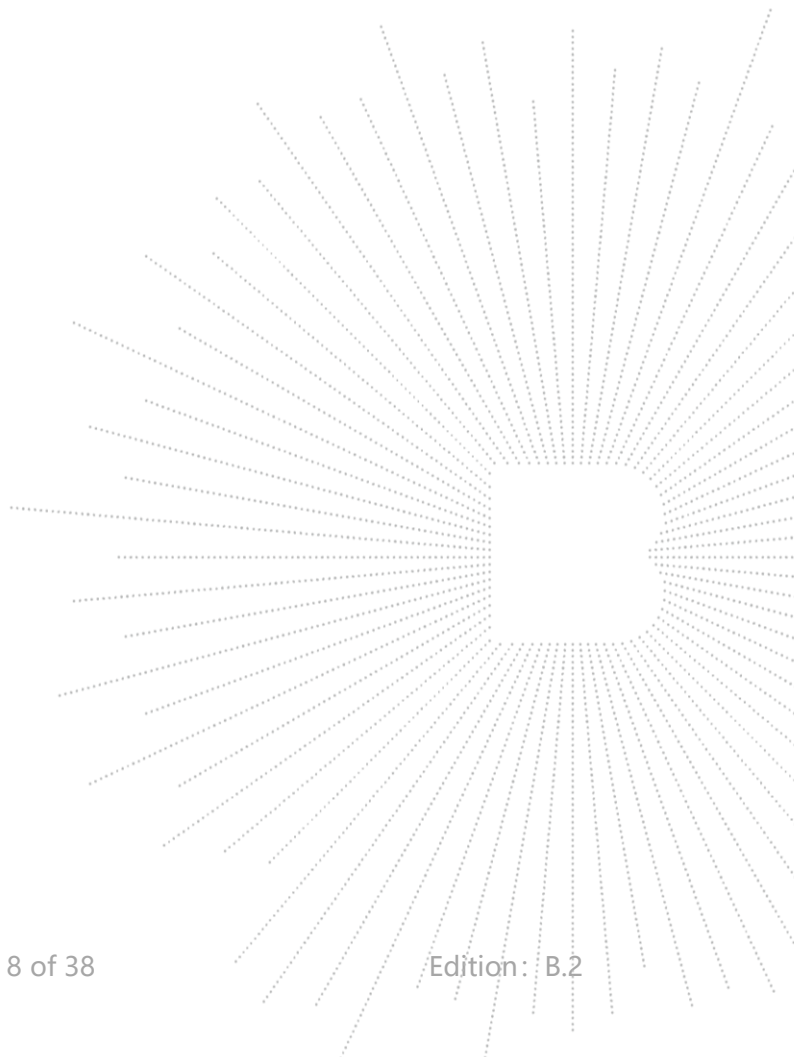
4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Tablet		Acer Iconia Tab iM10-22	N/A	EUT
E-2	Adapter	N/A	623022C-1	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1M	DC cable unshielded

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



4.4 Channel List

5.1G

802.11a/n/ac (20MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220	-	-	-	-
40	5200	48	5240	-	-	-	-

802.11n /ac(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

802.11ac (80MHz) Carrier Frequency Channel	
Channel	Frequency (MHz)
42	5210

5.8G

802.11a/n/ac(20 MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

802.11n/ac 40MHz Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795	-	-

802.11ac 80MHz Carrier Frequency Channel	
Channel	Frequency (MHz)
155	5775

4.5 Test Mode

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11a / n/ ac 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	Link

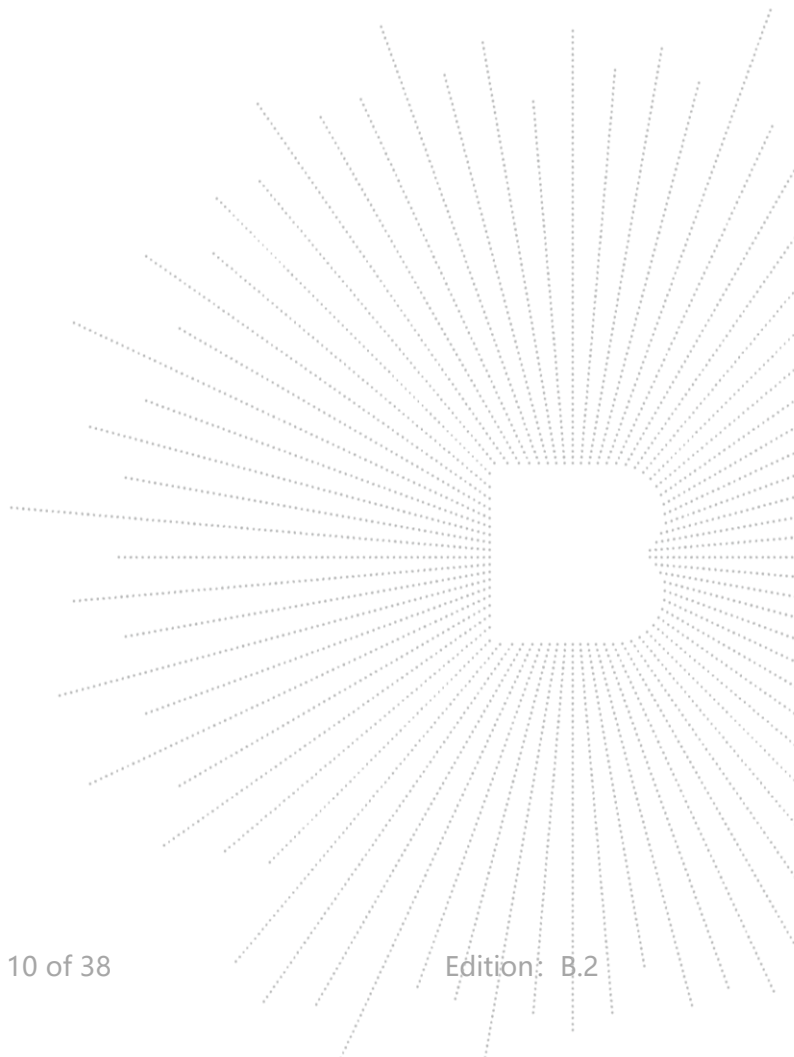
Note:

1. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
2. We're testing antenna A data.

4.6 Table Of Parameters Of Text 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. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Test software Version	CMD		
Parameters	DEF	DEF	DEF



5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

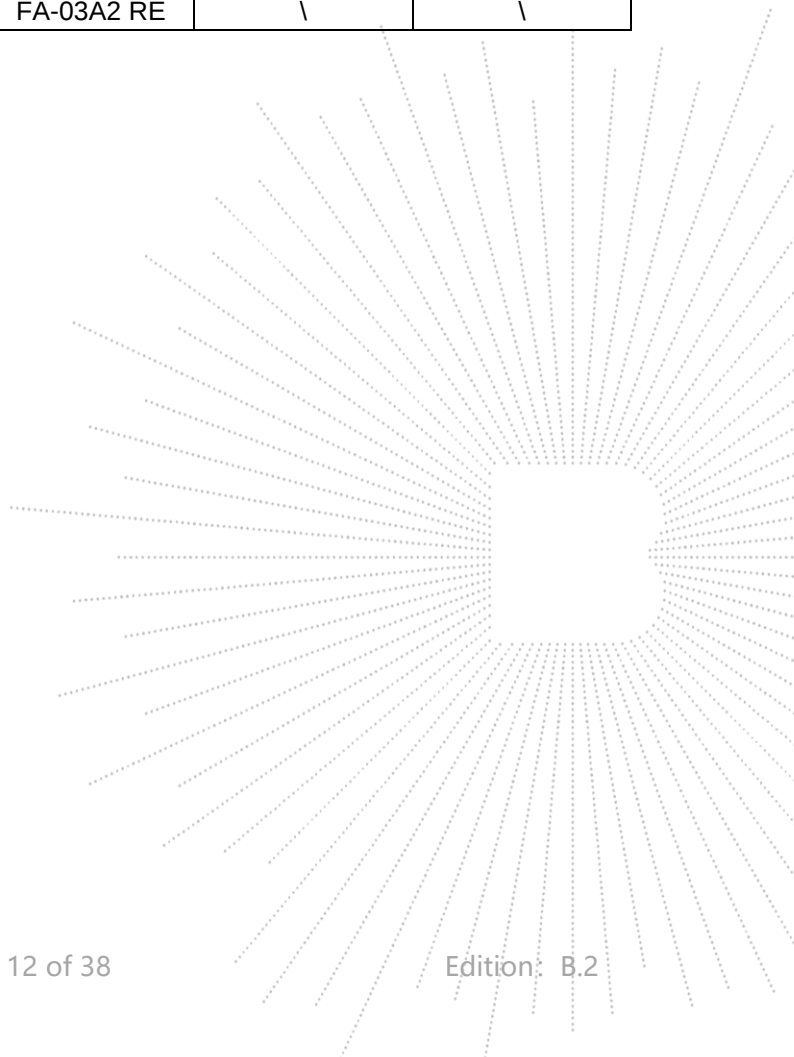
ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025

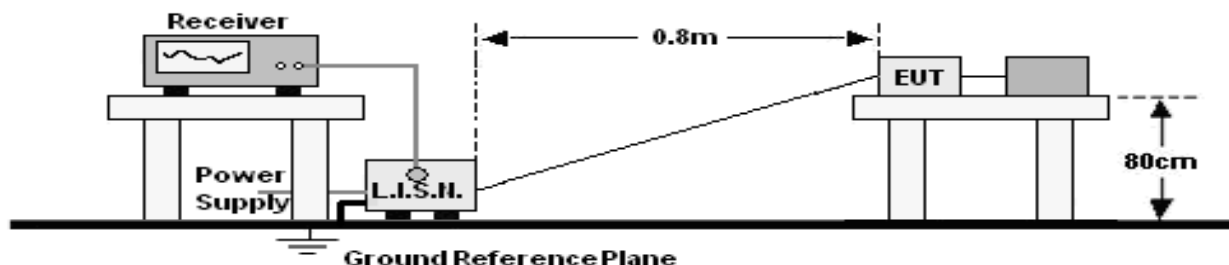
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Radio frequency control box	MAIWEI	MW100-RFC B	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber02)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	SKET	966 Room	966	Oct. 31. 2024	Oct. 30. 2027
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRI7	100010	Oct. 31. 2024	Oct. 30. 2025
Amplifier	SKET	LNPA-30M01 G-30	SK2021082004	Oct. 31. 2024	Oct. 30. 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	May 21, 2024	May 20, 2025
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025
Amplifier	SKET	LAPA_01G18 G-45dB	SK202104090 1	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 16, 2024	May 15, 2025
Horn Antenn(18GHz -40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Frequency (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

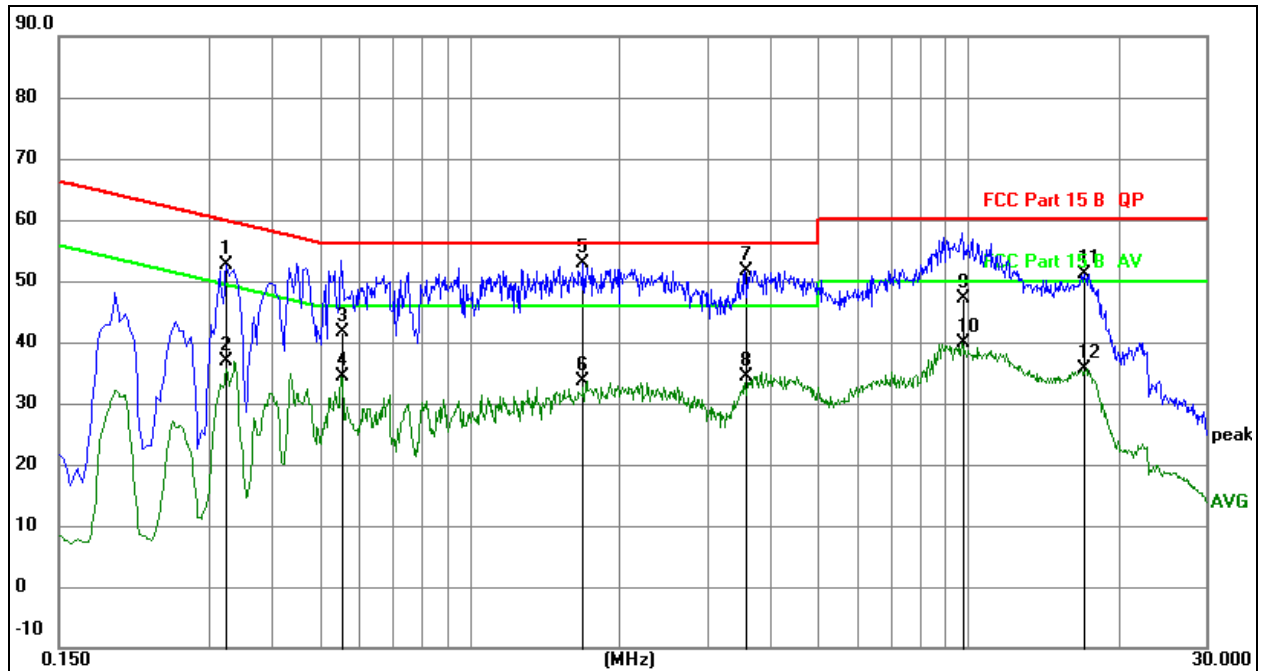
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

6.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz

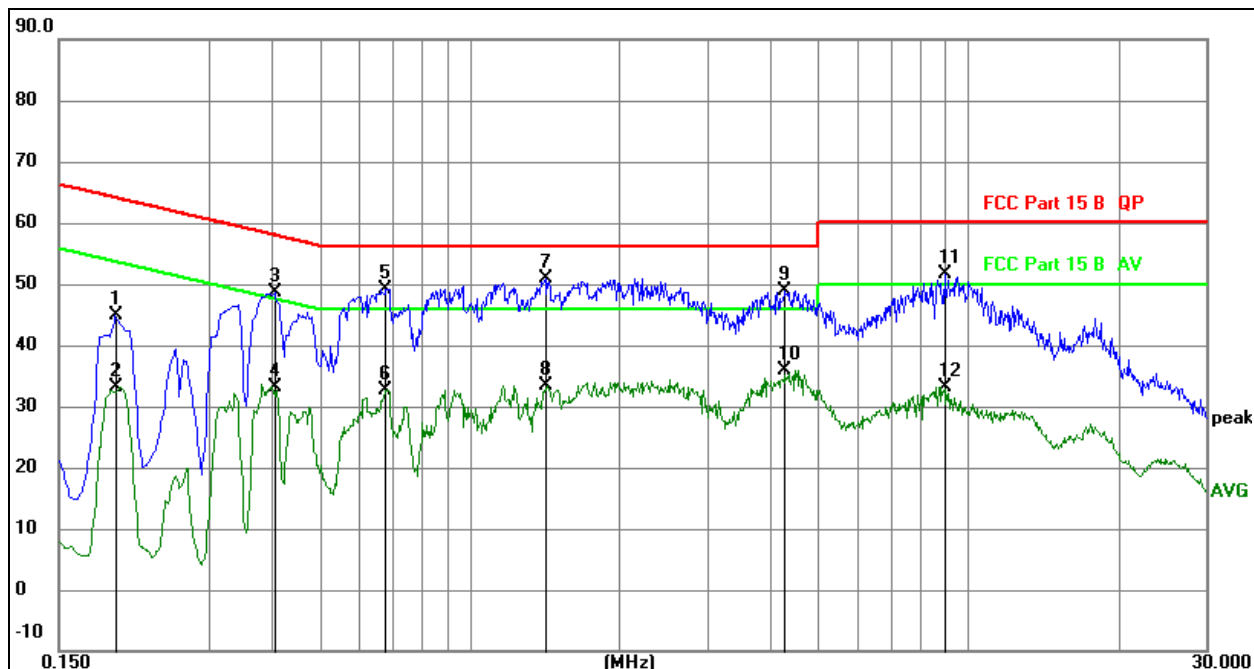


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.3251	32.51	20.07	52.58	59.58	-7.00	QP
2		0.3251	16.90	20.07	36.97	49.58	-12.61	AVG
3		0.5550	21.65	20.08	41.73	56.00	-14.27	QP
4		0.5550	14.27	20.08	34.35	46.00	-11.65	AVG
5	*	1.6891	32.78	20.10	52.88	56.00	-3.12	QP
6		1.6891	13.57	20.10	33.67	46.00	-12.33	AVG
7		3.5654	31.54	20.13	51.67	56.00	-4.33	QP
8		3.5654	14.26	20.13	34.39	46.00	-11.61	AVG
9		9.7470	26.91	20.17	47.08	60.00	-12.92	QP
10		9.7470	19.82	20.17	39.99	50.00	-10.01	AVG
11		17.1084	30.88	20.32	51.20	60.00	-8.80	QP
12		17.1084	15.30	20.32	35.62	50.00	-14.38	AVG

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz


Remark:

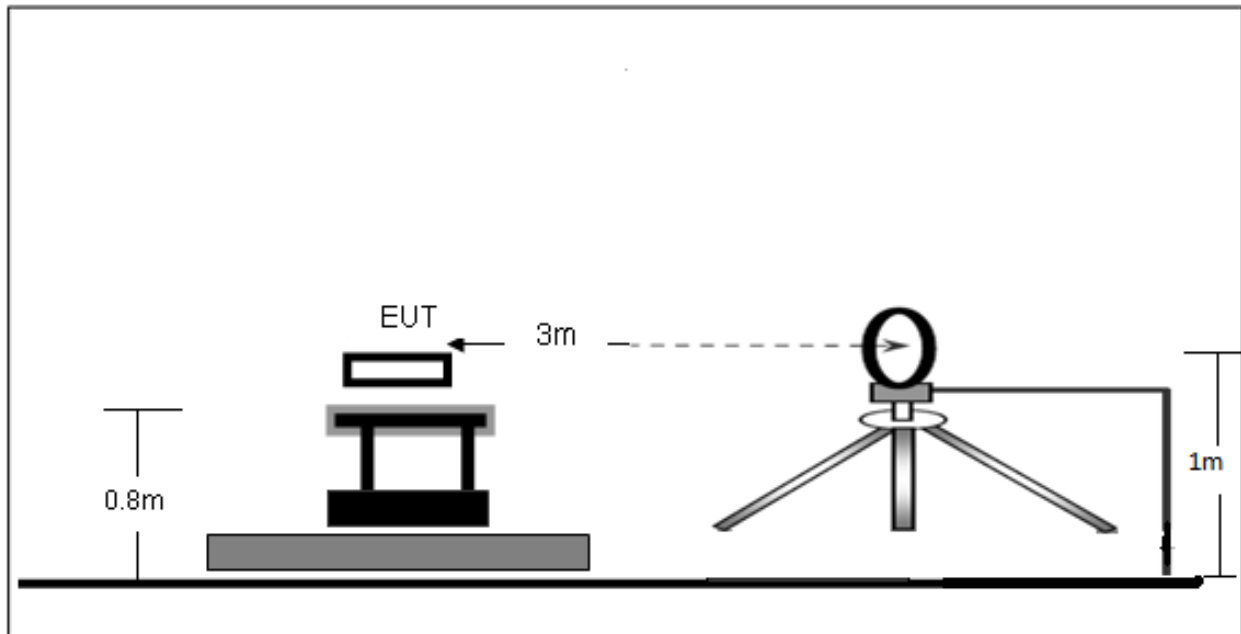
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over1 Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1945	24.73	20.07	44.80	63.84	-19.04	QP
2		0.1945	13.11	20.07	33.18	53.84	-20.66	AVG
3		0.4061	28.44	20.08	48.52	57.73	-9.21	QP
4		0.4061	13.12	20.08	33.20	47.73	-14.53	AVG
5		0.6790	29.04	20.09	49.13	56.00	-6.87	QP
6		0.6790	12.65	20.09	32.74	46.00	-13.26	AVG
7	*	1.4182	30.69	20.09	50.78	56.00	-5.22	QP
8		1.4182	13.26	20.09	33.35	46.00	-12.65	AVG
9		4.2918	28.74	20.14	48.88	56.00	-7.12	QP
10		4.2918	15.80	20.14	35.94	46.00	-10.06	AVG
11		8.9637	31.34	20.17	51.51	60.00	-8.49	QP
12		8.9637	13.00	20.17	33.17	50.00	-16.83	AVG

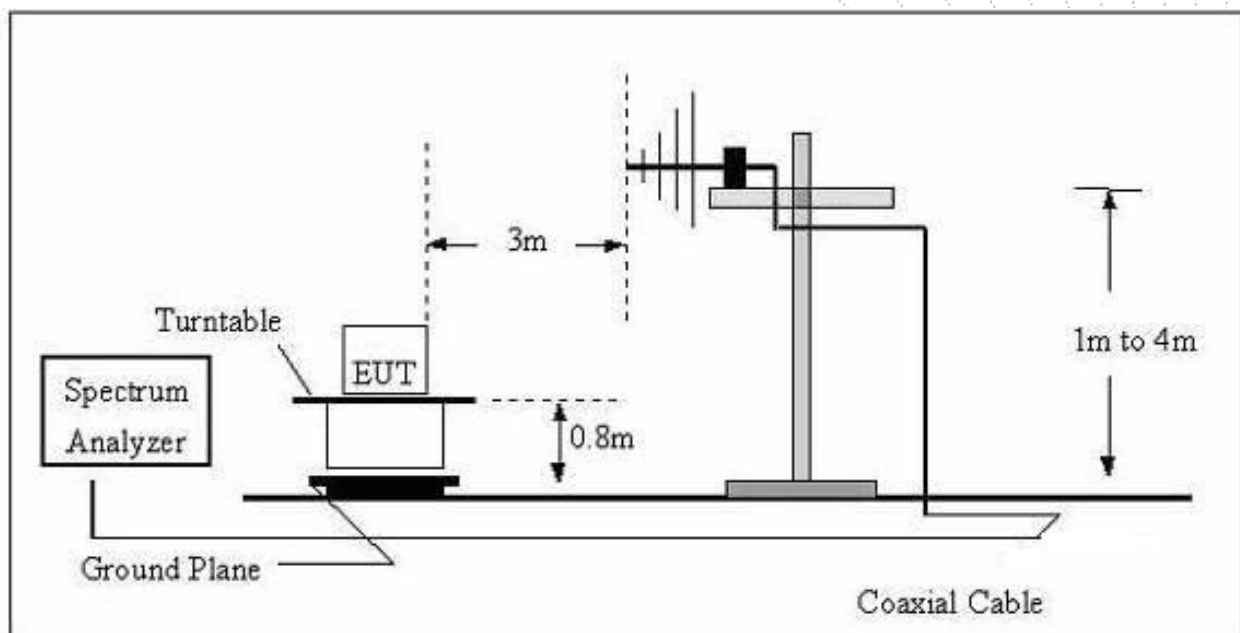
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

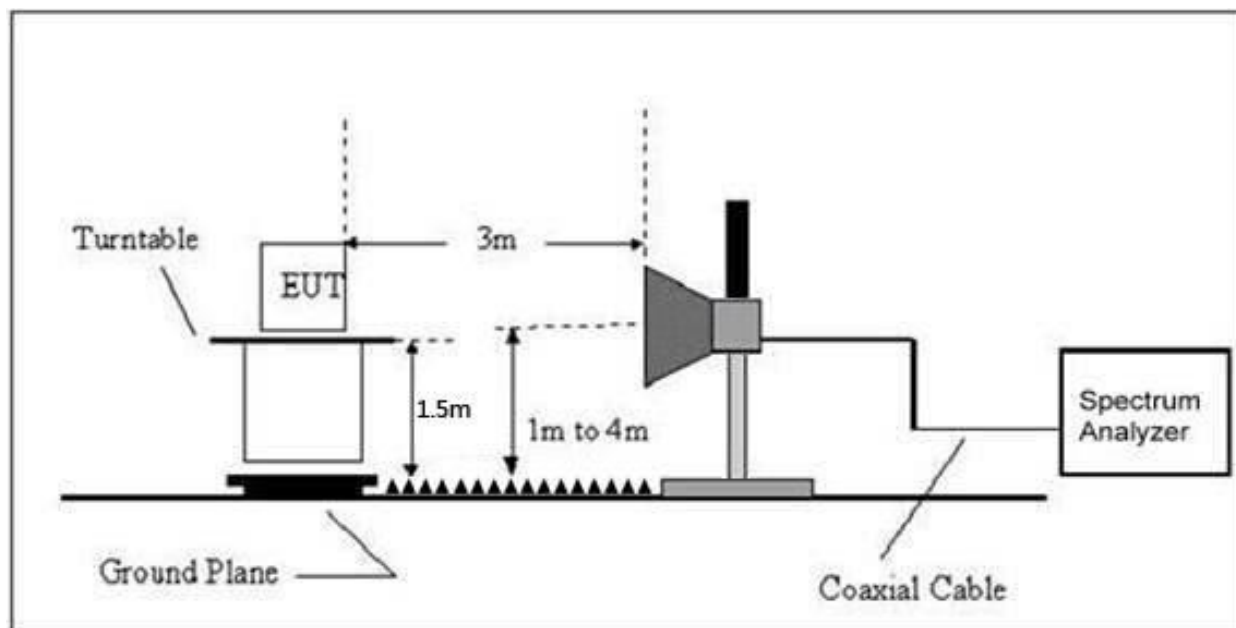
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Field Strength uV/m	Distance (m)	Field Strength Limit at 3m Distance	
			uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log(2400/F(\text{kHz})) + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log(24000/F(\text{kHz})) + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

Limits Of Radiated Emission Measurement (Above 1000MHz)

Frequency (MHz)	Limit (dBuV/m) (at 3M)	
	Peak	Average
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

7.3 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW [kHz]})$. , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

7.5 Test Result

Below 30MHz

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 4	Polarization :	--

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

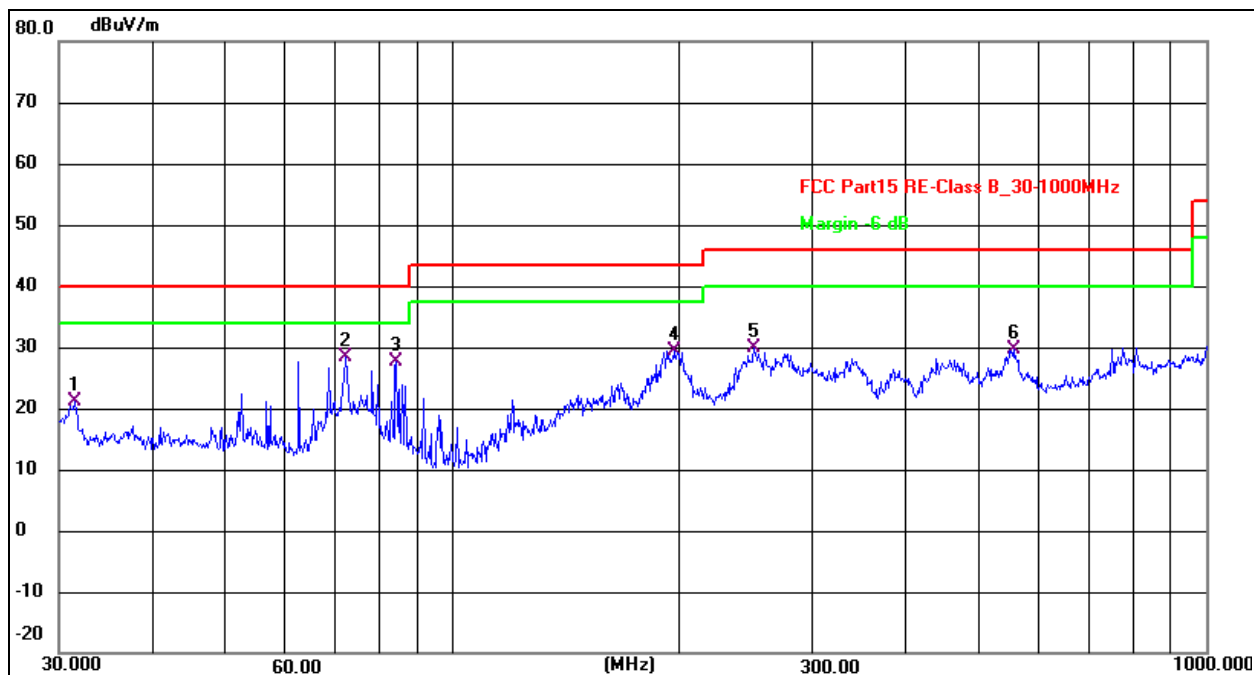
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log(\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

Between 30MHz – 1GHz

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz

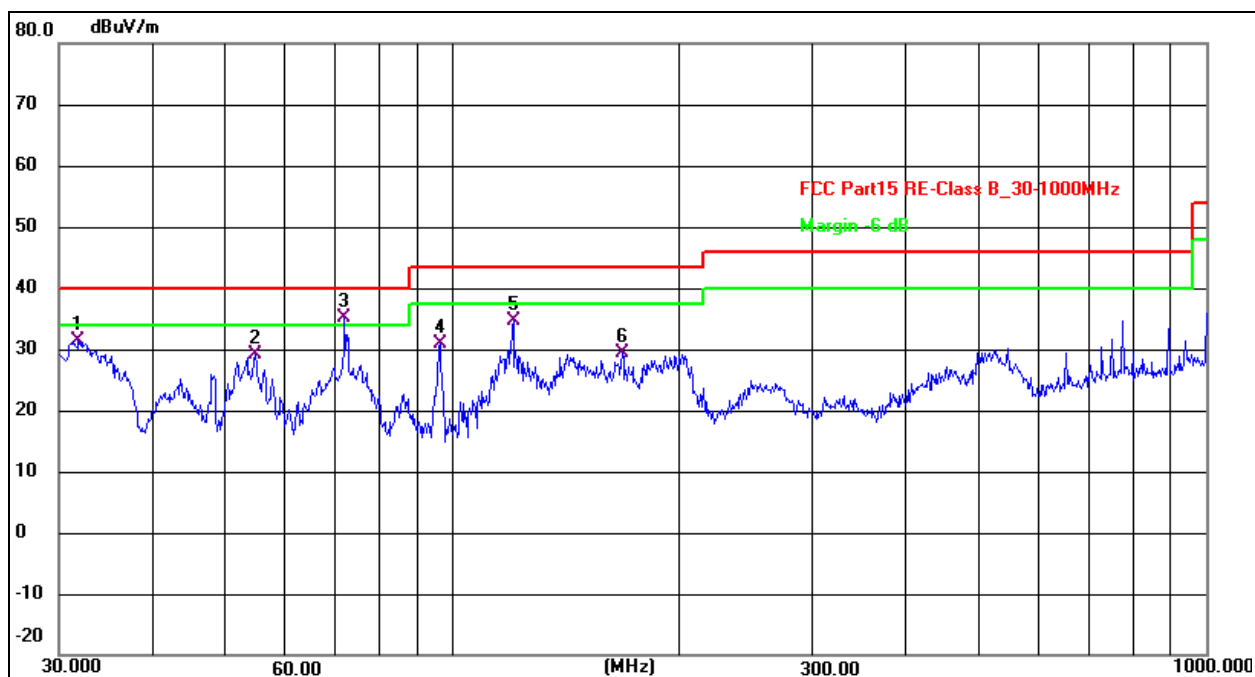


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.5095	33.33	-12.14	21.19	40.00	-18.81	QP
2 *	72.0843	43.59	-15.31	28.28	40.00	-11.72	QP
3	84.1100	43.57	-15.98	27.59	40.00	-12.41	QP
4	196.5098	43.69	-14.34	29.35	43.50	-14.15	QP
5	251.1804	42.11	-12.16	29.95	46.00	-16.05	QP
6	554.8254	33.34	-3.77	29.57	46.00	-16.43	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz



Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over= Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.8427	43.63	-12.13	31.50	40.00	-8.50	QP
2	54.6429	41.63	-12.52	29.11	40.00	-10.89	QP
3 *	71.8320	50.50	-15.28	35.22	40.00	-4.78	QP
4	96.0986	46.29	-15.43	30.86	43.50	-12.64	QP
5	120.2766	47.97	-13.46	34.51	43.50	-8.99	QP
6	167.8243	41.57	-12.22	29.35	43.50	-14.15	QP

Between 1GHz – 40GHz

Test Mode:	TX(5.1G) - 802.11a
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.200	71.03	-20.73	50.30	68.2	-17.90	PK
Vertical	4434.200	59.54	-20.73	38.81	54	-15.19	AV
Vertical	10360.171	63.69	-9.36	54.33	68.2	-13.87	PK
Vertical	10360.171	49.53	-9.36	40.17	54	-13.83	AV
Vertical	15540.100	61.93	-7.84	54.09	74	-19.91	PK
Vertical	15540.100	49.37	-7.84	41.53	54	-12.47	AV
Horizontal	4434.091	73.25	-20.73	52.52	68.2	-15.68	PK
Horizontal	4434.091	59.42	-20.73	38.69	54	-15.31	AV
Horizontal	10360.180	63.36	-9.36	54.00	68.2	-14.20	PK
Horizontal	10360.180	49.67	-9.36	40.31	54	-13.69	AV
Horizontal	15540.063	62.94	-7.84	55.10	74	-18.90	PK
Horizontal	15540.063	49.40	-7.84	41.56	54	-12.44	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.103	73.00	-20.42	52.58	74	-21.42	PK
Vertical	4592.103	59.65	-20.42	39.23	54	-14.77	AV
Vertical	10400.069	63.37	-9.30	54.07	68.2	-14.13	PK
Vertical	10400.069	49.51	-9.30	40.21	54	-13.79	AV
Vertical	15600.004	61.48	-7.82	53.66	74	-20.34	PK
Vertical	15600.004	49.95	-7.82	42.13	54	-11.87	AV
Horizontal	4592.155	73.33	-20.42	52.91	74	-21.09	PK
Horizontal	4592.155	59.86	-20.42	39.44	54	-14.56	AV
Horizontal	10400.076	61.57	-9.30	52.27	68.2	-15.93	PK
Horizontal	10400.076	49.46	-9.30	40.16	54	-13.84	AV
Horizontal	15600.098	61.80	-7.82	53.98	74	-20.02	PK
Horizontal	15600.098	49.26	-7.82	41.44	54	-12.56	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.055	72.76	-20.12	52.64	74	-21.36	PK
Vertical	4739.055	59.29	-20.12	39.16	54	-14.84	AV
Vertical	10480.186	61.43	-9.18	52.25	68.2	-15.95	PK
Vertical	10480.186	49.81	-9.18	40.63	54	-13.37	AV
Vertical	15720.092	62.76	-7.78	54.98	74	-19.02	PK
Vertical	15720.092	49.96	-7.78	42.18	54	-11.82	AV
Horizontal	4739.173	71.88	-20.12	51.76	74	-22.24	PK
Horizontal	4739.173	59.05	-20.12	38.93	54	-15.07	AV
Horizontal	10480.034	64.23	-9.18	55.05	68.2	-13.15	PK
Horizontal	10480.034	49.09	-9.18	39.91	54	-14.09	AV
Horizontal	15720.013	63.89	-7.78	56.11	74	-17.89	PK
Horizontal	15720.013	49.35	-7.78	41.57	54	-12.43	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11n-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.139	73.58	-20.73	52.85	68.2	-15.35	PK
Vertical	4434.139	59.72	-20.73	38.99	54	-15.01	AV
Vertical	10360.071	61.91	-9.36	52.55	68.2	-15.65	PK
Vertical	10360.071	49.36	-9.36	40.00	54	-14.00	AV
Vertical	15540.193	61.37	-7.84	53.53	74	-20.47	PK
Vertical	15540.193	49.84	-7.84	42.00	54	-12.00	AV
Horizontal	4434.177	72.24	-20.73	51.51	68.2	-16.69	PK
Horizontal	4434.177	59.87	-20.73	39.14	54	-14.86	AV
Horizontal	10360.085	62.17	-9.36	52.81	68.2	-15.39	PK
Horizontal	10360.085	49.70	-9.36	40.34	54	-13.66	AV
Horizontal	15540.096	64.54	-7.84	56.70	74	-17.30	PK
Horizontal	15540.096	49.30	-7.84	41.46	54	-12.54	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.013	70.80	-20.42	50.38	74	-23.62	PK
Vertical	4592.013	59.12	-20.42	38.71	54	-15.29	AV
Vertical	10400.069	62.15	-9.30	52.85	68.2	-15.35	PK
Vertical	10400.069	49.65	-9.30	40.35	54	-13.65	AV
Vertical	15600.016	64.68	-7.82	56.86	74	-17.14	PK
Vertical	15600.016	49.51	-7.82	41.69	54	-12.31	AV
Horizontal	4592.106	73.50	-20.42	53.08	74	-20.92	PK
Horizontal	4592.106	59.76	-20.42	39.34	54	-14.66	AV
Horizontal	10400.162	64.80	-9.30	55.50	68.2	-12.70	PK
Horizontal	10400.162	49.63	-9.30	40.33	54	-13.67	AV
Horizontal	15600.193	61.23	-7.82	53.41	74	-20.59	PK
Horizontal	15600.193	49.09	-7.82	41.27	54	-12.73	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.118	74.48	-20.12	54.36	74	-19.64	PK
Vertical	4739.118	59.31	-20.12	39.19	54	-14.81	AV
Vertical	10480.136	64.06	-9.18	54.88	68.2	-13.32	PK
Vertical	10480.136	49.44	-9.18	40.26	54	-13.74	AV
Vertical	15720.050	60.23	-7.78	52.45	74	-21.55	PK
Vertical	15720.050	49.20	-7.78	41.42	54	-12.58	AV
Horizontal	4739.001	70.28	-20.12	50.16	74	-23.84	PK
Horizontal	4739.001	59.12	-20.12	39.00	54	-15.00	AV
Horizontal	10480.002	63.67	-9.18	54.49	68.2	-13.71	PK
Horizontal	10480.002	49.13	-9.18	39.95	54	-14.05	AV
Horizontal	15720.047	62.43	-7.78	54.65	74	-19.35	PK
Horizontal	15720.047	49.06	-7.78	41.28	54	-12.72	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11n-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.078	72.85	-20.73	52.12	68.2	-16.08	PK
Vertical	4434.078	59.45	-20.73	38.72	54	-15.28	AV
Vertical	10380.176	61.37	-9.33	52.04	68.2	-16.16	PK
Vertical	10380.176	49.95	-9.33	40.62	54	-13.38	AV
Vertical	15570.134	64.86	-7.83	57.03	74	-16.97	PK
Vertical	15570.134	49.07	-7.83	41.24	54	-12.76	AV
Horizontal	4434.036	73.86	-20.73	53.13	74	-20.87	PK
Horizontal	4434.036	59.55	-20.73	38.82	54	-15.18	AV
Horizontal	10380.095	64.03	-9.33	54.70	68.2	-13.50	PK
Horizontal	10380.095	49.96	-9.33	40.63	54	-13.37	AV
Horizontal	15570.184	62.27	-7.83	54.44	74	-19.56	PK
Horizontal	15570.184	49.39	-7.83	41.56	54	-12.44	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.148	70.84	-20.12	50.72	68.2	-17.48	PK
Vertical	4739.148	59.26	-20.12	39.14	54	-14.86	AV
Vertical	10460.122	64.99	-9.21	55.78	68.2	-12.42	PK
Vertical	10460.122	49.85	-9.21	40.64	54	-13.36	AV
Vertical	15690.083	61.10	-7.79	53.31	74	-20.69	PK
Vertical	15690.083	49.89	-7.79	42.10	54	-11.90	AV
Horizontal	4739.169	71.94	-20.12	51.82	68.2	-16.38	PK
Horizontal	4739.169	59.69	-20.12	39.56	54	-14.44	AV
Horizontal	10460.127	60.43	-9.21	51.22	68.2	-16.98	PK
Horizontal	10460.127	49.46	-9.21	40.25	54	-13.75	AV
Horizontal	15690.038	60.88	-7.79	53.09	74	-20.91	PK
Horizontal	15690.038	49.41	-7.79	41.62	54	-12.38	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.081	70.06	-20.73	49.32	68.2	-18.88	PK
Vertical	4434.081	59.74	-20.73	39.01	54	-14.99	AV
Vertical	10360.180	63.65	-9.36	54.29	68.2	-13.91	PK
Vertical	10360.180	49.83	-9.36	40.47	54	-13.53	AV
Vertical	15540.097	63.70	-7.84	55.86	74	-18.14	PK
Vertical	15540.097	49.13	-7.84	41.29	54	-12.71	AV
Horizontal	4434.063	71.10	-20.73	50.36	68.2	-17.84	PK
Horizontal	4434.063	59.44	-20.73	38.70	54	-15.30	AV
Horizontal	10360.150	61.53	-9.36	52.17	68.2	-16.03	PK
Horizontal	10360.150	49.67	-9.36	40.31	54	-13.69	AV
Horizontal	15540.056	63.38	-7.84	55.54	74	-18.46	PK
Horizontal	15540.056	49.62	-7.84	41.78	54	-12.22	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.043	72.74	-20.42	52.32	74	-21.68	PK
Vertical	4592.043	59.55	-20.42	39.14	54	-14.86	AV
Vertical	10400.038	61.80	-9.30	52.50	68.2	-15.70	PK
Vertical	10400.038	49.00	-9.30	39.70	54	-14.30	AV
Vertical	15600.025	62.47	-7.82	54.65	74	-19.35	PK
Vertical	15600.025	49.02	-7.82	41.20	54	-12.80	AV
Horizontal	4592.138	72.94	-20.42	52.52	74	-21.48	PK
Horizontal	4592.138	59.19	-20.42	38.78	54	-15.22	AV
Horizontal	10400.066	60.19	-9.30	50.89	68.2	-17.31	PK
Horizontal	10400.066	49.71	-9.30	40.41	54	-13.59	AV
Horizontal	15600.010	64.40	-7.82	56.58	74	-17.42	PK
Horizontal	15600.010	49.33	-7.82	41.51	54	-12.49	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.134	72.72	-20.12	52.60	74	-21.40	PK
Vertical	4739.134	59.95	-20.12	39.83	54	-14.17	AV
Vertical	10480.058	61.27	-9.18	52.09	68.2	-16.11	PK
Vertical	10480.058	49.94	-9.18	40.76	54	-13.24	AV
Vertical	15720.179	61.10	-7.78	53.32	74	-20.68	PK
Vertical	15720.179	49.83	-7.78	42.05	54	-11.95	AV
Horizontal	4739.013	73.60	-20.12	53.48	74	-20.52	PK
Horizontal	4739.013	59.14	-20.12	39.02	54	-14.98	AV
Horizontal	10480.139	64.86	-9.18	55.68	68.2	-12.52	PK
Horizontal	10480.139	49.30	-9.18	40.12	54	-13.88	AV
Horizontal	15720.028	62.32	-7.78	54.54	74	-19.46	PK
Horizontal	15720.028	49.91	-7.78	42.13	54	-11.87	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.173	72.20	-20.73	51.47	68.2	-16.73	PK
Vertical	4434.173	59.82	-20.73	39.08	54	-14.92	AV
Vertical	10380.101	61.54	-9.33	52.21	68.2	-15.99	PK
Vertical	10380.101	49.88	-9.33	40.55	54	-13.45	AV
Vertical	15570.122	60.62	-7.83	52.79	74	-21.21	PK
Vertical	15570.122	49.99	-7.83	42.16	54	-11.84	AV
Horizontal	4434.199	72.35	-20.73	51.62	74	-22.38	PK
Horizontal	4434.199	59.25	-20.73	38.51	54	-15.49	AV
Horizontal	10380.191	62.11	-9.33	52.78	68.2	-15.42	PK
Horizontal	10380.191	49.25	-9.33	39.92	54	-14.08	AV
Horizontal	15570.141	63.26	-7.83	55.43	74	-18.57	PK
Horizontal	15570.141	49.81	-7.83	41.98	54	-12.02	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.136	72.88	-20.12	52.76	68.2	-15.44	PK
Vertical	4739.136	59.28	-20.12	39.16	54	-14.84	AV
Vertical	10460.091	60.77	-9.21	51.56	68.2	-16.64	PK
Vertical	10460.091	49.76	-9.21	40.55	54	-13.45	AV
Vertical	15690.131	63.40	-7.79	55.61	74	-18.39	PK
Vertical	15690.131	49.13	-7.79	41.34	54	-12.66	AV
Horizontal	4739.017	70.78	-20.12	50.66	68.2	-17.54	PK
Horizontal	4739.017	59.36	-20.12	39.24	54	-14.76	AV
Horizontal	10460.049	64.96	-9.21	55.75	68.2	-12.45	PK
Horizontal	10460.049	49.05	-9.21	39.84	54	-14.16	AV
Horizontal	15690.034	61.15	-7.79	53.36	74	-20.64	PK
Horizontal	15690.034	49.27	-7.79	41.48	54	-12.52	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac 80
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5210 MHz)-Above 1G							
Vertical	4434.156	72.69	-20.73	51.96	68.2	-16.24	PK
Vertical	4434.156	59.15	-20.73	38.42	54	-15.58	AV
Vertical	10420.091	61.61	-9.27	52.34	68.2	-15.86	PK
Vertical	10420.091	49.64	-9.27	40.37	54	-13.63	AV
Vertical	15630.163	64.09	-7.81	56.28	74	-17.72	PK
Vertical	15630.163	49.70	-7.81	41.89	54	-12.11	AV
Horizontal	4434.082	74.31	-20.73	53.57	68.2	-14.63	PK
Horizontal	4434.082	59.61	-20.73	38.88	54	-15.12	AV
Horizontal	10420.018	44.70	9.27	53.97	68.2	-14.23	PK
Horizontal	10420.018	29.49	9.27	38.76	54	-15.24	AV
Horizontal	15630.075	64.54	-7.81	56.73	74	-17.27	PK
Horizontal	15630.075	49.14	-7.81	41.33	54	-12.67	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11a
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.056	71.90	-20.24	51.65	74	-22.35	PK
Vertical	4679.056	59.94	-20.24	39.70	54	-14.30	AV
Vertical	11490.169	64.20	-8.79	55.41	68.2	-12.79	PK
Vertical	11490.169	49.02	-8.79	40.23	54	-13.77	AV
Vertical	17235.067	55.58	-3.18	52.40	68.2	-15.80	PK
Vertical	17235.067	44.03	-3.18	40.85	54	-13.15	AV
Horizontal	4679.163	74.30	-20.73	53.57	74	-20.43	PK
Horizontal	4679.163	59.78	-20.73	39.05	54	-14.95	AV
Horizontal	11490.051	63.52	-8.79	54.73	68.2	-13.47	PK
Horizontal	11490.051	49.15	-8.79	40.36	54	-13.64	AV
Horizontal	17235.058	59.66	-3.18	56.48	68.2	-11.72	PK
Horizontal	17235.058	44.18	-3.18	41.00	54	-13.00	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.140	72.52	-20.42	52.10	74	-21.90	PK
Vertical	4592.140	59.23	-20.42	38.81	54	-15.19	AV
Vertical	11570.149	64.37	-8.86	55.51	68.2	-12.69	PK
Vertical	11570.149	49.06	-8.86	40.20	54	-13.80	AV
Vertical	17355.151	55.69	-2.52	53.17	68.2	-15.03	PK
Vertical	17355.151	44.12	-2.52	41.60	54	-12.40	AV
Horizontal	4592.118	72.07	-20.42	51.65	74	-22.35	PK
Horizontal	4592.118	59.65	-20.42	39.24	54	-14.76	AV
Horizontal	11570.079	63.22	-8.86	54.36	68.2	-13.84	PK
Horizontal	11570.079	49.13	-8.86	40.27	54	-13.73	AV
Horizontal	17355.150	57.91	-2.52	55.39	68.2	-12.81	PK
Horizontal	17355.150	44.16	-2.52	41.64	54	-12.36	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.059	74.13	-18.93	55.19	68.2	-13.01	PK
Vertical	6039.059	59.10	-18.93	40.17	54	-13.83	AV
Vertical	11650.103	62.30	-8.92	53.38	74	-20.62	PK
Vertical	11650.103	49.78	-8.92	40.86	54	-13.14	AV
Vertical	17475.199	59.22	-1.86	57.36	68.2	-10.84	PK
Vertical	17475.199	44.24	-1.86	42.38	54	-11.62	AV
Horizontal	6039.060	70.73	-18.93	51.80	68.2	-16.40	PK
Horizontal	6039.060	59.38	-18.93	40.44	54	-13.56	AV
Horizontal	11650.135	61.63	-8.92	52.71	74	-21.29	PK
Horizontal	11650.135	49.98	-8.92	41.06	54	-12.94	AV
Horizontal	17475.182	58.07	-1.86	56.21	68.2	-11.99	PK
Horizontal	17475.182	44.26	-1.86	42.40	54	-11.60	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode: TX (5.8G) --802.11n-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.044	72.40	-20.24	52.16	74	-21.84	PK
Vertical	4679.044	59.43	-20.24	39.19	54	-14.81	AV
Vertical	11490.176	62.13	-8.79	53.34	68.2	-14.86	PK
Vertical	11490.176	49.74	-8.79	40.95	54	-13.05	AV
Vertical	17235.141	58.57	-3.18	55.39	68.2	-12.81	PK
Vertical	17235.141	44.15	-3.18	40.97	54	-13.03	AV
Horizontal	4679.025	70.00	-20.24	49.76	74	-24.24	PK
Horizontal	4679.025	59.33	-20.24	39.08	54	-14.92	AV
Horizontal	11490.178	60.70	-8.79	51.91	68.2	-16.29	PK
Horizontal	11490.178	49.27	-8.79	40.48	54	-13.52	AV
Horizontal	17235.186	56.01	-3.18	52.83	68.2	-15.37	PK
Horizontal	17235.186	44.92	-3.18	41.74	54	-12.26	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.066	73.62	-20.42	53.20	74	-20.80	PK
Vertical	4592.066	59.59	-20.42	39.17	54	-14.83	AV
Vertical	11570.155	64.35	-8.86	55.49	68.2	-12.71	PK
Vertical	11570.155	49.03	-8.86	40.17	54	-13.83	AV
Vertical	17355.028	57.85	-2.52	55.33	68.2	-12.87	PK
Vertical	17355.028	44.93	-2.52	42.41	54	-11.59	AV
Horizontal	4592.039	74.98	-20.42	54.57	74	-19.43	PK
Horizontal	4592.039	59.47	-20.42	39.06	54	-14.94	AV
Horizontal	11570.047	60.99	-8.86	52.13	68.2	-16.07	PK
Horizontal	11570.047	49.29	-8.86	40.43	54	-13.57	AV
Horizontal	17355.170	55.71	-2.52	53.19	68.2	-15.01	PK
Horizontal	17355.170	44.19	-2.52	41.67	54	-12.33	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.064	73.17	-18.93	54.23	68.2	-13.97	PK
Vertical	6039.064	59.18	-18.93	40.25	54	-13.75	AV
Vertical	11650.138	63.17	-8.92	54.25	74	-19.75	PK
Vertical	11650.138	49.55	-8.92	40.63	54	-13.37	AV
Vertical	17475.002	56.35	-1.86	54.49	68.2	-13.71	PK
Vertical	17475.002	44.95	-1.86	43.09	54	-10.91	AV
Horizontal	6039.187	72.39	-18.93	53.46	68.2	-14.74	PK
Horizontal	6039.187	59.07	-18.93	40.14	54	-13.86	AV
Horizontal	11650.144	62.58	-8.92	53.66	74	-20.34	PK
Horizontal	11650.144	49.94	-8.92	41.02	54	-12.98	AV
Horizontal	17475.113	58.28	-1.86	56.42	68.2	-11.78	PK
Horizontal	17475.113	44.69	-1.86	42.83	54	-11.17	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11n-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.166	73.13	-20.24	52.89	74	-21.11	PK
Vertical	4679.166	59.50	-20.24	39.26	54	-14.74	AV
Vertical	11510.023	61.43	-8.81	52.62	74	-21.38	PK
Vertical	11510.023	49.37	-8.81	40.56	54	-13.44	AV
Vertical	17265.096	55.26	-3.01	52.25	68.2	-15.95	PK
Vertical	17265.096	44.43	-3.01	41.42	54	-12.58	AV
Horizontal	4679.123	71.12	-20.24	50.88	74	-23.12	PK
Horizontal	4679.123	59.85	-20.24	39.61	54	-14.39	AV
Horizontal	11510.078	64.67	-8.81	55.86	74	-18.14	PK
Horizontal	11510.078	49.16	-8.81	40.35	54	-13.65	AV
Horizontal	17265.090	57.00	-3.01	53.99	68.2	-14.21	PK
Horizontal	17265.090	44.07	-3.01	41.06	54	-12.94	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.114	74.18	-18.93	55.25	68.2	-12.95	PK
Vertical	6039.114	59.16	-18.93	40.22	54	-13.78	AV
Vertical	11590.121	64.78	-8.87	55.91	74	-18.09	PK
Vertical	11590.121	49.92	-8.87	41.05	54	-12.95	AV
Vertical	17385.084	56.16	-2.35	53.81	68.2	-14.39	PK
Vertical	17385.084	44.32	-2.35	41.97	54	-12.03	AV
Horizontal	6039.116	73.09	-18.93	54.16	68.2	-14.04	PK
Horizontal	6039.116	59.63	-18.93	40.70	54	-13.30	AV
Horizontal	11590.122	63.52	-8.87	54.65	74	-19.35	PK
Horizontal	11590.122	49.12	-8.87	40.25	54	-13.75	AV
Horizontal	17385.154	57.56	-2.35	55.21	68.2	-12.99	PK
Horizontal	17385.154	44.75	-2.35	42.40	54	-11.60	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode: TX (5.8G) --802.11ac-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.147	70.73	-20.24	50.48	74	-23.52	PK
Vertical	4679.147	59.94	-20.24	39.70	54	-14.30	AV
Vertical	11490.089	62.20	-8.79	53.41	68.2	-14.79	PK
Vertical	11490.089	49.07	-8.79	40.28	54	-13.72	AV
Vertical	17235.060	58.99	-3.18	55.81	68.2	-12.39	PK
Vertical	17235.060	44.52	-3.18	41.34	54	-12.66	AV
Horizontal	4679.167	70.01	-20.24	49.77	74	-24.23	PK
Horizontal	4679.167	59.14	-20.24	38.90	54	-15.10	AV
Horizontal	11490.036	64.84	-8.79	56.05	68.2	-12.15	PK
Horizontal	11490.036	49.46	-8.79	40.67	54	-13.33	AV
Horizontal	17235.025	56.96	-3.18	53.78	68.2	-14.42	PK
Horizontal	17235.025	44.29	-3.18	41.11	54	-12.89	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.030	73.37	-20.42	52.95	74	-21.05	PK
Vertical	4592.030	59.40	-20.42	38.99	54	-15.01	AV
Vertical	11570.196	63.91	-8.86	55.05	68.2	-13.15	PK
Vertical	11570.196	49.51	-8.86	40.65	54	-13.35	AV
Vertical	17355.186	58.18	-2.52	55.66	68.2	-12.54	PK
Vertical	17355.186	44.61	-2.52	42.09	54	-11.91	AV
Horizontal	4592.197	70.48	-20.42	50.07	74	-23.93	PK
Horizontal	4592.197	59.49	-20.42	39.07	54	-14.93	AV
Horizontal	11570.044	61.97	-8.86	53.11	68.2	-15.09	PK
Horizontal	11570.044	49.92	-8.86	41.06	54	-12.94	AV
Horizontal	17355.194	59.97	-2.52	57.45	68.2	-10.75	PK
Horizontal	17355.194	44.68	-2.52	42.16	54	-11.84	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.071	70.11	-18.93	51.18	68.2	-17.02	PK
Vertical	6039.071	59.70	-18.93	40.77	54	-13.23	AV
Vertical	11650.125	60.62	-8.92	51.70	74	-22.30	PK
Vertical	11650.125	49.19	-8.92	40.27	54	-13.73	AV
Vertical	17475.120	58.32	-1.86	56.46	68.2	-11.74	PK
Vertical	17475.120	44.49	-1.86	42.63	54	-11.37	AV
Horizontal	6039.066	70.61	-18.93	51.68	68.2	-16.52	PK
Horizontal	6039.066	59.13	-18.93	40.20	54	-13.80	AV
Horizontal	11650.182	60.10	-8.92	51.18	74	-22.82	PK
Horizontal	11650.182	49.97	-8.92	41.05	54	-12.95	AV
Horizontal	17475.078	57.09	-1.86	55.23	68.2	-12.97	PK
Horizontal	17475.078	44.77	-1.86	42.91	54	-11.09	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode :	TX (5.8G) -- 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.004	71.57	-20.24	51.32	74	-22.68	PK
Vertical	4679.004	59.14	-20.24	38.90	54	-15.10	AV
Vertical	11510.161	60.23	-8.81	51.42	74	-22.58	PK
Vertical	11510.161	49.38	-8.81	40.57	54	-13.43	AV
Vertical	17265.159	56.65	-3.01	53.64	68.2	-14.56	PK
Vertical	17265.159	44.61	-3.01	41.60	54	-12.40	AV
Horizontal	4679.094	71.20	-20.24	50.96	74	-23.04	PK
Horizontal	4679.094	59.96	-20.24	39.72	54	-14.28	AV
Horizontal	11510.077	63.89	-8.81	55.08	74	-18.92	PK
Horizontal	11510.077	49.23	-8.81	40.42	54	-13.58	AV
Horizontal	17265.036	55.55	-3.01	52.54	68.2	-15.66	PK
Horizontal	17265.036	44.09	-3.01	41.08	54	-12.92	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.015	73.18	-18.93	54.25	68.2	-13.95	PK
Vertical	6039.015	59.63	-18.93	40.70	54	-13.30	AV
Vertical	11590.132	64.81	-8.87	55.94	74	-18.06	PK
Vertical	11590.132	49.08	-8.87	40.21	54	-13.79	AV
Vertical	17385.103	58.76	-2.35	56.41	68.2	-11.79	PK
Vertical	17385.103	44.26	-2.35	41.91	54	-12.09	AV
Horizontal	6039.143	72.85	-18.93	53.92	68.2	-14.28	PK
Horizontal	6039.143	59.09	-18.93	40.16	54	-13.84	AV
Horizontal	11590.179	61.64	-8.87	52.77	74	-21.23	PK
Horizontal	11590.179	49.72	-8.87	40.85	54	-13.15	AV
Horizontal	17385.188	59.24	-2.35	56.89	68.2	-11.31	PK
Horizontal	17385.188	44.70	-2.35	42.35	54	-11.65	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode :	TX (5.8G) -- 802.11ac 80
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5775 MHz)-Above 1G							
Vertical	4679.029	73.24	-20.24	53.00	74	-21.00	PK
Vertical	4679.029	59.79	-20.24	39.54	54	-14.46	AV
Vertical	11550.122	62.07	-8.84	53.23	74	-20.77	PK
Vertical	11550.122	49.88	-8.84	41.04	54	-12.96	AV
Vertical	17325.031	56.53	-2.68	53.85	68.2	-14.35	PK
Vertical	17325.031	44.99	-2.68	42.31	54	-11.69	AV
Horizontal	4679.127	74.52	-20.24	54.28	74	-19.72	PK
Horizontal	4679.127	59.39	-20.24	39.14	54	-14.86	AV
Horizontal	11550.184	62.19	-8.84	53.35	74	-20.65	PK
Horizontal	11550.184	49.29	-8.84	40.45	54	-13.55	AV
Horizontal	17325.186	56.15	-2.68	53.47	68.2	-14.73	PK
Horizontal	17325.186	44.14	-2.68	41.46	54	-12.54	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

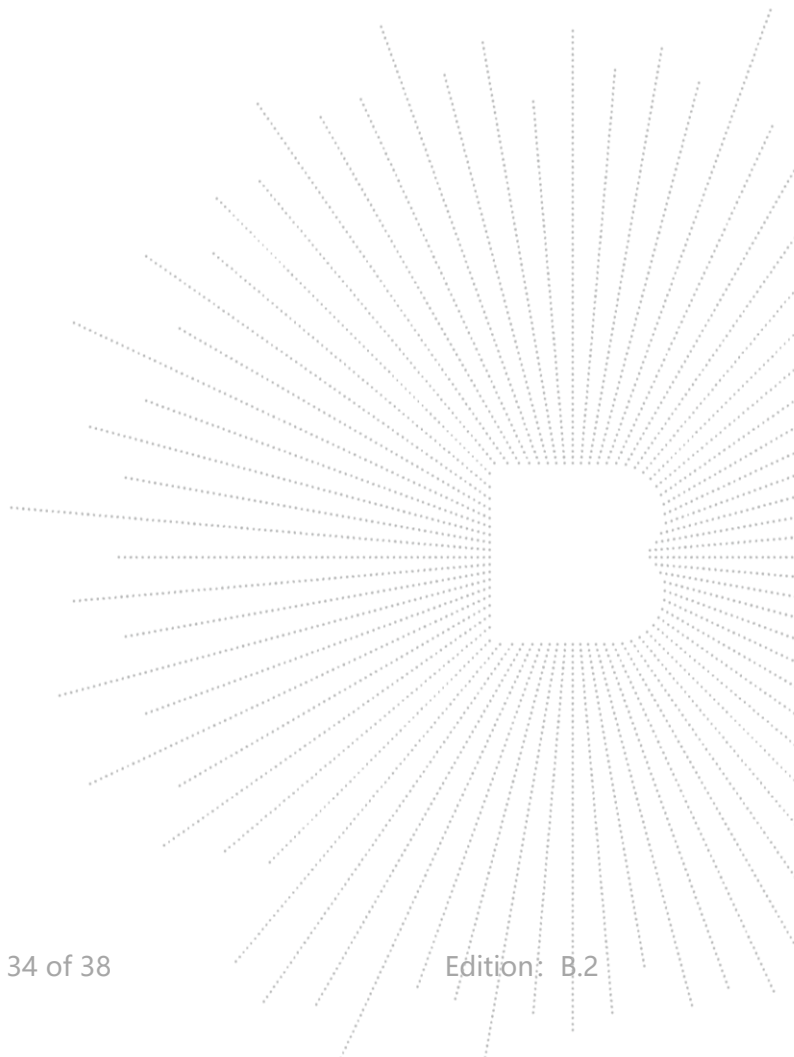
8. Antenna Requirement

8.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 Test Result

The EUT antenna is Internal antenna (antenna gain: 2.06dBi). It comply with the standard requirement.



9. EUT Photographs

EUT Photo



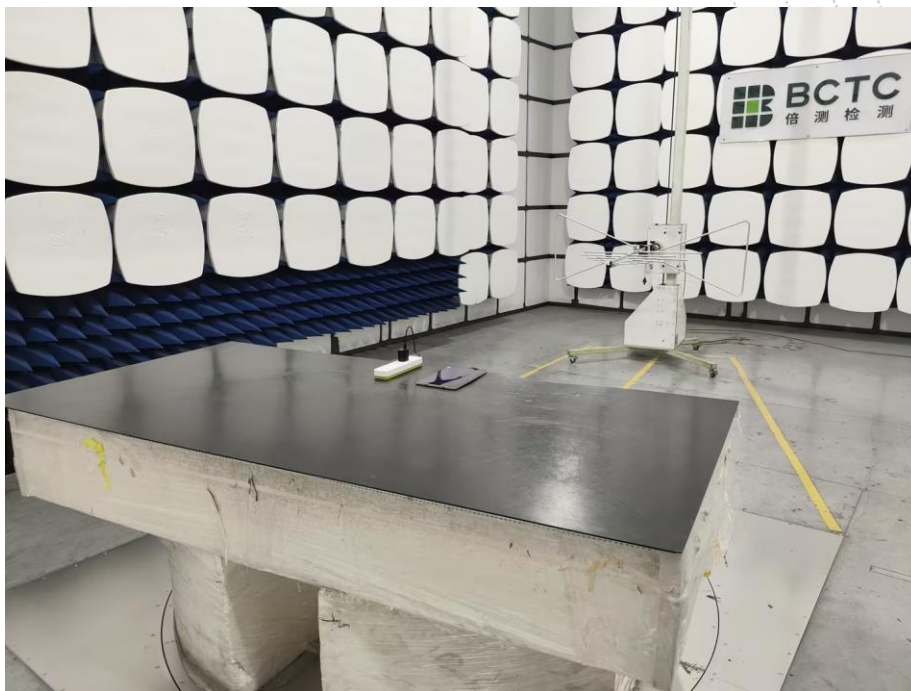
NOTE: Appendix-Photographs Of EUT Constructional Details.

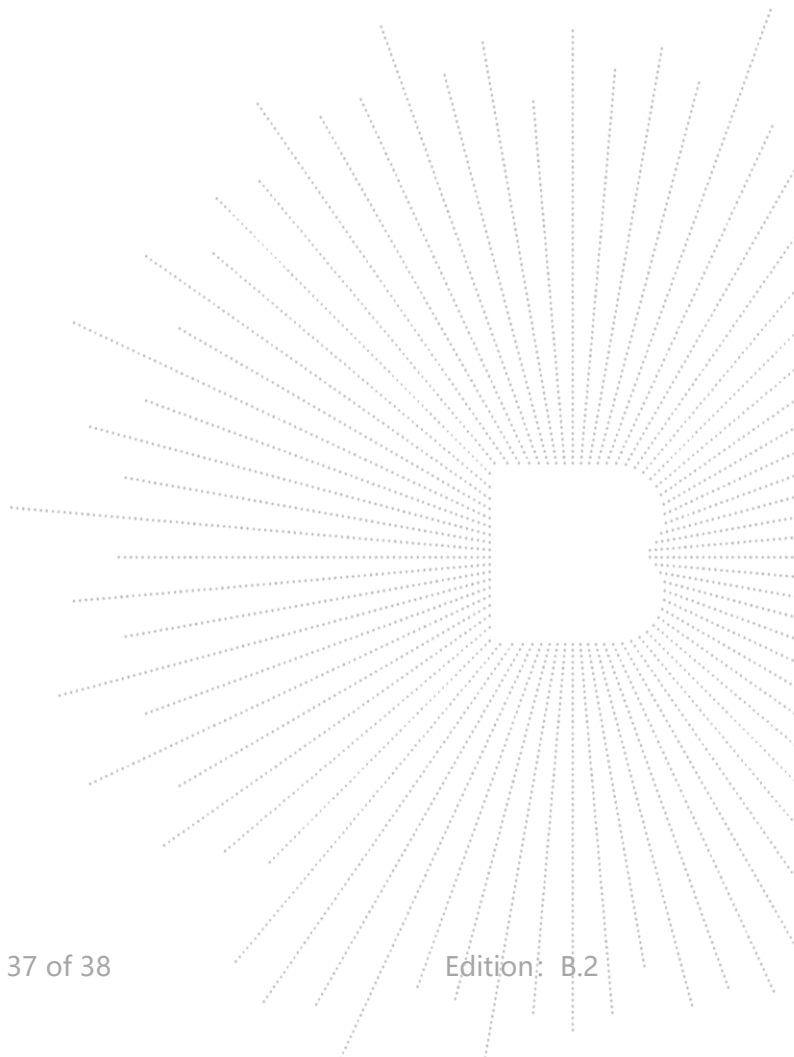
10. EUT Test Setup Photographs

Conducted Emissions Photo



Radiated Measurement Photos





STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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