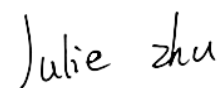
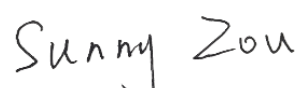


TEST REPORT

Applicant: SYNCOMM TECHNOLOGY CORP.
Address: 10F-1, No.101, Sec. 2, Gongdao 5th Rd., Hsinchu City, 30070, Taiwan
Equipment Type: IA9QH5 S83D-F
Model Name: IA9QH5 S83D-F
Brand Name: SYNCOMM
FCC ID: PJH-9QH5S83DF
ISED Number: 24253-9QH5S83DF
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 3
(refer to section 3.1)
Sample Arrival Date: Mar. 28, 2025
Test Date: Apr. 08, 2025 - May 15, 2025
Date of Issue: Jun. 04, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Julie Zhu**Checked by:** Ye Hongji**Approved by:** Sunny Zou
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>May 28, 2025</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jun. 04, 2025</u>	<u>Added the HVIN Number in Section 2.3</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	SYNCOMM TECHNOLOGY CORP.
Address	10F-1, No.101, Sec. 2, Gongdao 5th Rd., Hsinchu City, 30070, Taiwan

2.2 Manufacturer Information

Manufacturer	SYNCOMM TECHNOLOGY CORP.
Address	10F-1, No.101, Sec. 2, Gongdao 5th Rd., Hsinchu City, 30070, Taiwan

2.3 General Description for Equipment under Test (EUT)

EUT Name	IA9QH5 S83D-F
Model Name Under Test	IA9QH5 S83D-F
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	E000001000001
HVIN Number	9QH5S83DF
Hardware Version	V1
Software Version	V1
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	5.2G ISM Band, 5.8G ISM Band, 5.9G ISM Band
-----------------------------------	---

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	5.2G ISM Band: 5150 MHz to 5250 MHz, 5.8G ISM Band: 5725 MHz to 5850 MHz, 5.9G ISM Band: 5850 MHz to 5890 MHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard
Maximum Output Power	5.2G ISM Band: 8.07 mW 5.8G ISM Band: 15.78 mW 5.9G ISM Band: 14.06 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Test Channel	5.2G ISM Band: Low Channel(5160MHz), Middle Channel(5200MHz), High Channel(5240MHz) 5.8G ISM Band: Low Channel(5735MHz), Middle Channel(5785MHz), High Channel(5840MHz) 5.9G ISM Band: Low Channel(5850MHz), Middle Channel(5870MHz), Middle Channel(5885MHz), High Channel(5890MHz)
Antenna Type	Monopole Antenna
Antenna Gain	5.2G ISM Band: 1.0 dBi 5.8G ISM Band: 2.5 dBi 5.9G ISM Band: 2.5 dBi
About the Product	The equipment is IA9QH5 S83D-F, intended for used with information technology equipment.

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note ²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note ³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	40% to 60%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.5℃ to +23.9℃
Working Voltage of the EUT	NV (Normal Voltage)	5.0 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2024.12.16	2025.12.15
Power Sensor	KEYSIGHT	U2063XA	MY58000247	2024.07.04	2025.07.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50531259	2024.08.01	2025.07.31
Test Antenna-Horn	SCHWARZBECK	BBHA 9120D	02460	2024.05.16	2027.05.15
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Anechoic Chamber	RAINFORD	9m*6m*6m	140	2024.07.28	2027.07.27
Amplifier	COM-MV	LSCX_LNA1-12G-01	7210214	2024.08.01	2025.07.31
Amplifier	COM-MV	XKu_LNA7-18G-01	7210209	2024.08.01	2025.07.31
Amplifier	COM-MV	KA LNA18 40G-01	18050001	2024.12.05	2025.12.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2024.08.01	2025.07.31
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2024.11.28	2025.11.27
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2024.08.01	2025.07.31
Test Antenna-Bi-Log	SCHWARZBECK	VULB 9163	9163-624	2024.07.06	2027.07.05
Amplifier	COM-MV	ZT30-1000M	B2017119082	2024.11.28	2025.11.27
Anechoic Chamber	RAINFORD	9m*6m*6m	101	2023.03.04	2026.03.03
EMI Receiver	KEYSIGHT	N9010B	MY57110309	2024.08.01	2025.07.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2024.05.09	2025.05.08
				2025.04.29	2026.04.28
Shielded Enclosure	YiHeng Electronic Co., Ltd	3.5m*3.1m*2.8m	112	2025.02.14	2028.02.13

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT 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.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

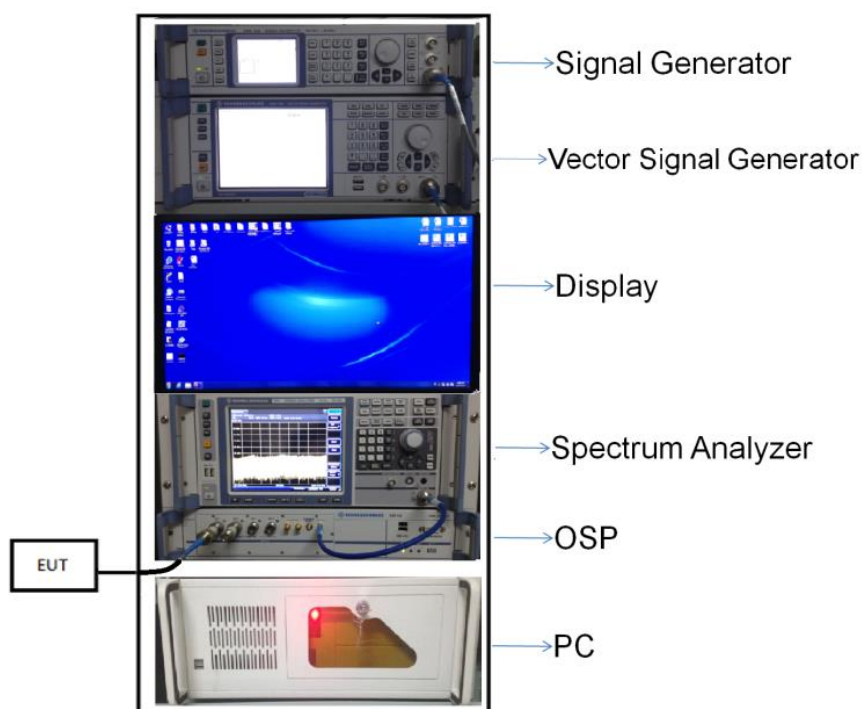
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



(Diagram 1)

4.5.2 For AC Power Supply Port Test



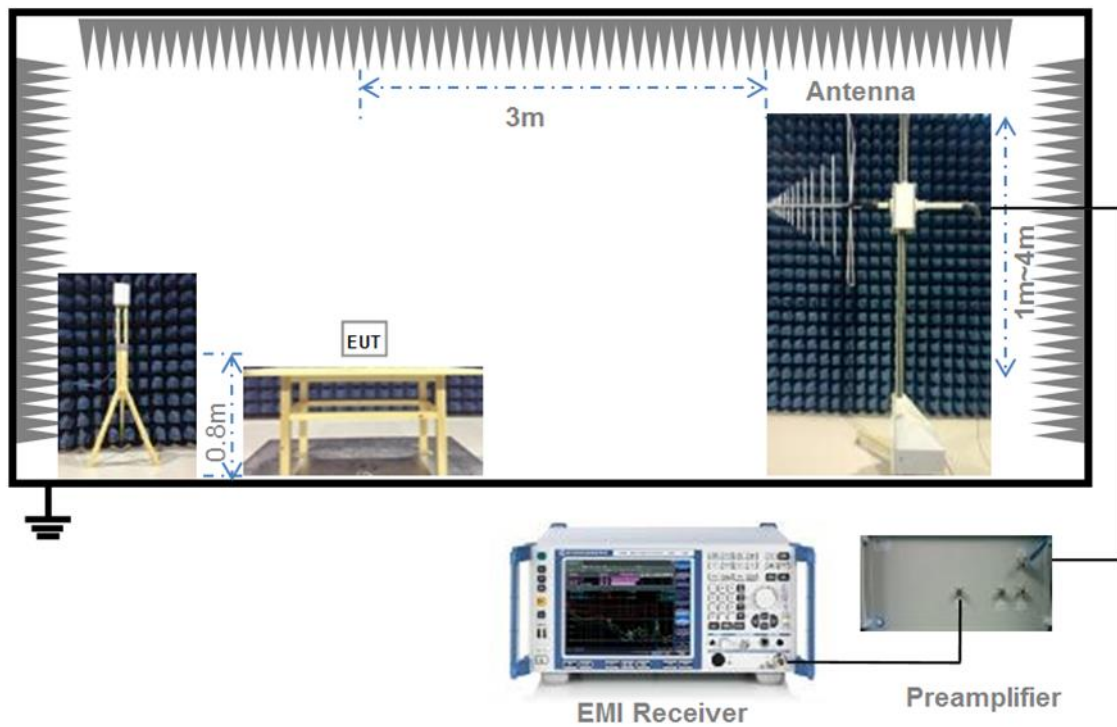
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



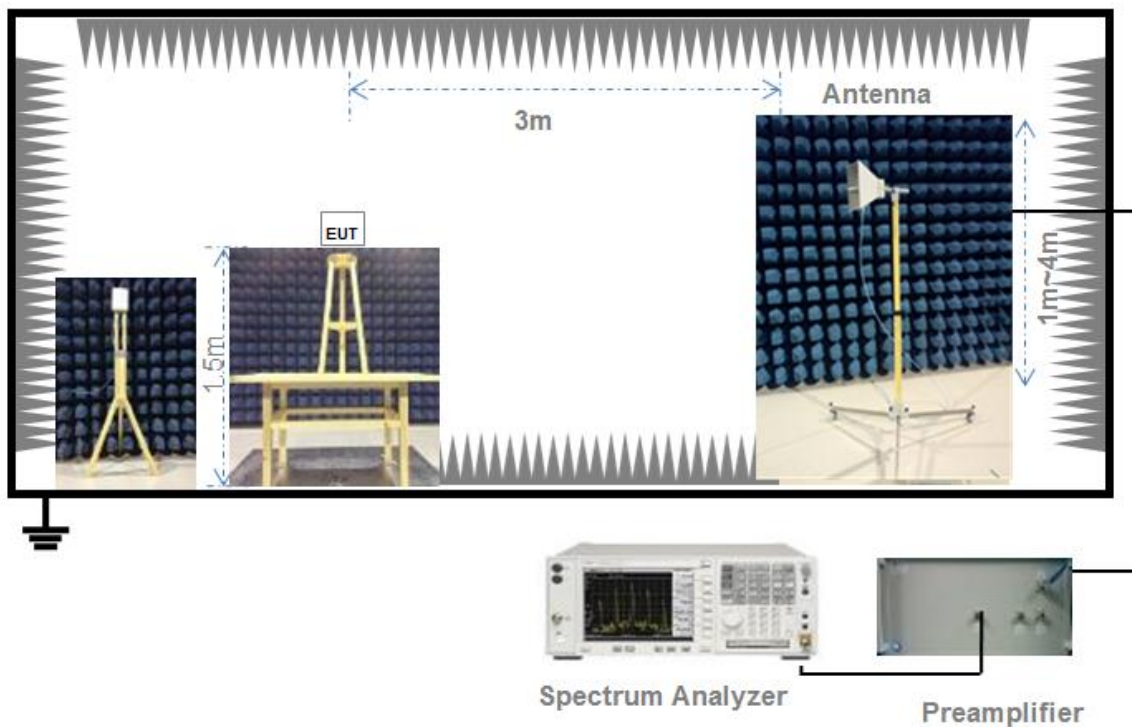
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
5850-5895	e.i.r.p 1W
Note: Where "B" is the 26 dB emissions bandwidth in MHz.	

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
5850-5895	e.i.r.p 1W
Note: Where "B" is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
5850-5895	e.i.r.p 1W
Note1: Where "B" is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.

- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
 - 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.
- c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW $\geq$ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW $\geq$ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq 3 \times$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz
5850-5895	e.i.r.p 14 dBm/MHz

RSS-247, 6.2

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz
5850-5895	e.i.r.p 14 dBm/MHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
5850-5895	e.i.r.p 14 dBm/MHz
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW $\geq 3 \times$ RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

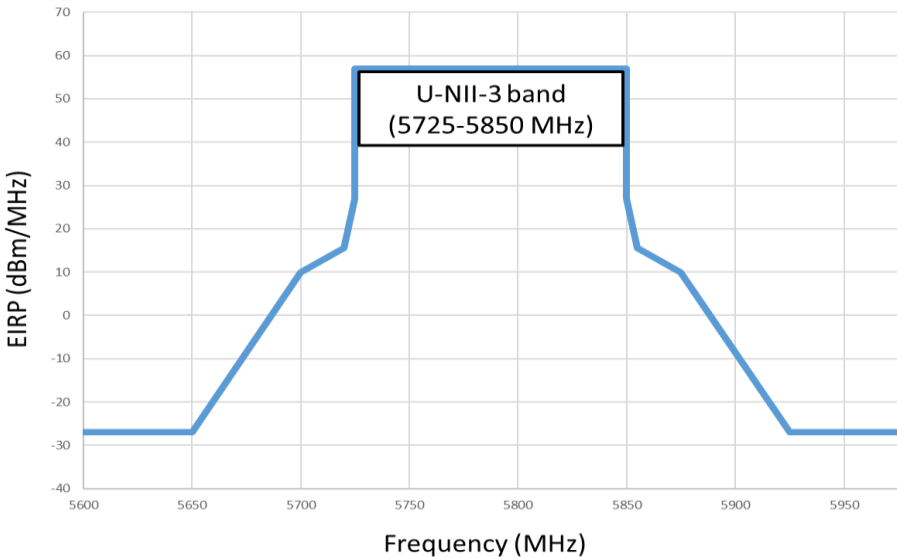
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note ¹: The Limit for radiated test was performed according to FCC Part 15C

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note ²: For IC standard, the (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
5G ISM Band	50.00	50.00	100.00%	0.00

Test Data

Conducted Power

5.2G ISM Band (5150 - 5250 MHz)				
Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
5160	9.07	8.07	250	Pass
5200	8.81	7.60	250	Pass
5240	8.42	6.95	250	Pass

5.8G ISM Band (5725 - 5850 MHz)					
Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
5735	11.98	15.78	1000	1000	Pass
5785	11.79	15.10	1000	1000	Pass
5840	11.58	14.39	1000	1000	Pass

5.9G ISM Band (5850 - 5895 MHz)					
Channel	Conducted Power (dBm)	EIRP Power (dBm)	EIRP Power (mW)	EIRP Limit (mW)	Verdict
5850	11.48	13.98	25.00	1000	Pass
5870	11.39	13.89	24.49	1000	Pass
5885	11.44	13.94	24.77	1000	Pass
5890	11.33	13.83	24.15	1000	Pass

E.I.R.P

5.2G ISM Band (5150 - 5250 MHz)				
Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
5160	10.07	10.16	30	Pass
5200	9.81	9.57	30	Pass
5240	9.42	8.75	30	Pass

5.8G ISM Band (5725 - 5850 MHz)			
Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
5735	14.48	28.05	Pass
5785	14.29	26.85	Pass
5840	14.08	25.59	Pass

5.9G ISM Band (5850 - 5895 MHz)				
Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
5850	13.98	25.00	1000	Pass
5870	13.89	24.49	1000	Pass
5885	13.94	24.77	1000	Pass
5890	13.83	24.15	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2531360-601 Data Part 1.pdf".

Test Data

5.2G ISM Band (5150 - 5250 MHz)		
Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
5160	2.62	2.98
5200	2.63	3.00
5240	2.62	3.00

5.8G ISM Band (5725 - 5850 MHz)		
Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
5735	2.62	2.71
5785	2.62	3.08
5840	2.62	3.04

5.9G ISM Band (5850 - 5895 MHz)		
Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
5850	2.63	2.80
5870	2.63	3.04
5885	2.62	3.20
5890	2.62	2.94

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2531360-601 Data Part 2.pdf".

Test Data

5.8G ISM Band (5725 - 5850 MHz)			
Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
5735	1.70	500.00	Pass
5785	2.07	500.00	Pass
5840	1.92	500.00	Pass

5.9G ISM Band (5850 - 5895 MHz)			
Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
5850	1.86	500.00	Pass
5870	1.96	500.00	Pass
5885	1.95	500.00	Pass
5890	1.89	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2531360-601 Data Part 3.pdf".

Test Data

5.2G ISM Band (5150 - 5250 MHz)			
Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
5160	6.26	11.00	Pass
5200	5.96	11.00	Pass
5240	5.63	11.00	Pass

5.8G ISM Band (5725 - 5850 MHz)				
Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
5735	6.38	30.00	30.00	Pass
5785	5.88	30.00	30.00	Pass
5840	5.82	30.00	30.00	Pass

5.9G ISM Band (5850 - 5895 MHz)				
Channel	PSD (dBm/MHz)	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
5850	8.95	11.45	14.00	Pass
5870	8.92	11.42	14.00	Pass
5885	8.18	10.68	14.00	Pass
5890	8.92	11.42	14.00	Pass

E.I.R.P

5.2G ISM Band (5150 - 5250 MHz)			
Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
5160	7.26	10.00	Pass
5200	6.96	10.00	Pass
5240	6.63	10.00	Pass

5.8G ISM Band (5725 - 5850 MHz)		
Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
5735	8.88	Pass
5785	8.38	Pass
5840	8.32	Pass

5.9G ISM Band (5850 - 5895 MHz)			
Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
5850	11.45	14.00	Pass
5870	11.42	14.00	Pass
5885	10.68	14.00	Pass
5890	11.42	14.00	Pass

A.5 Conducted Emissions

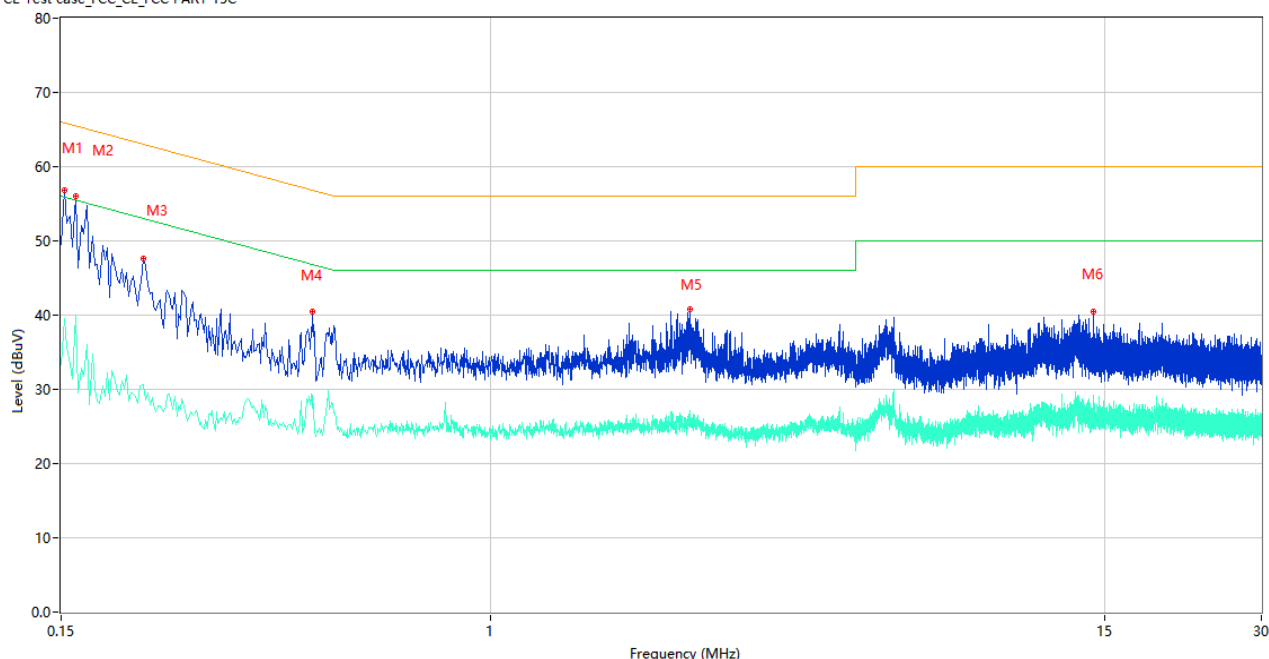
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Test Data and Plots

PHASE L

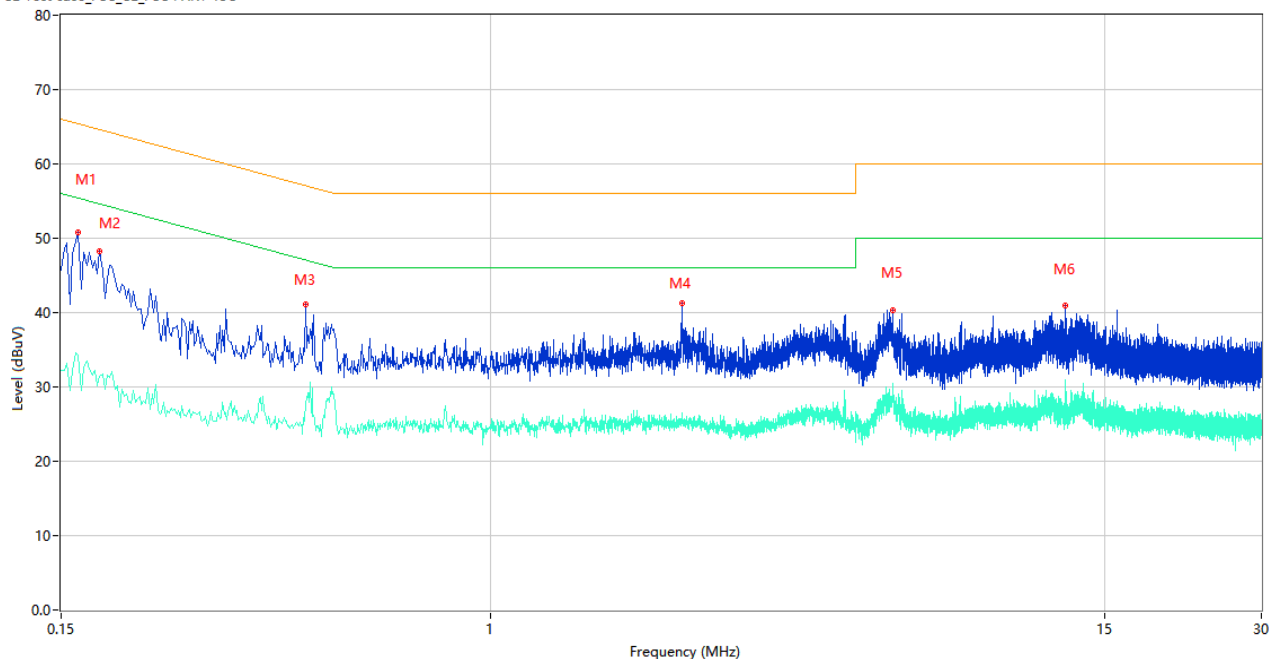
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	56.76	9.78	65.89	9.13	Peak	L	Pass
1**	0.152	39.55	9.78	55.89	16.34	AV	L	Pass
2	0.160	56.06	9.78	65.46	9.40	Peak	L	Pass
2**	0.160	39.98	9.78	55.46	15.48	AV	L	Pass
3	0.216	47.55	9.77	62.97	15.42	Peak	L	Pass
3**	0.216	30.66	9.77	52.97	22.31	AV	L	Pass
4	0.456	40.42	10.02	56.77	16.35	Peak	L	Pass
4**	0.456	29.21	10.02	46.77	17.56	AV	L	Pass
5	2.408	40.73	10.28	56.00	15.27	Peak	L	Pass
5**	2.408	27.21	10.28	46.00	18.79	AV	L	Pass
6	14.270	40.49	10.51	60.00	19.51	Peak	L	Pass
6**	14.270	29.26	10.51	50.00	20.74	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	50.76	9.78	65.36	14.60	Peak	N	Pass
1**	0.162	34.27	9.78	55.36	21.09	AV	N	Pass
2	0.178	48.30	9.78	64.58	16.28	Peak	N	Pass
2**	0.178	31.36	9.78	54.58	23.22	AV	N	Pass
3	0.442	41.12	10.11	57.02	15.90	Peak	N	Pass
3**	0.442	27.97	10.11	47.02	19.05	AV	N	Pass
4	2.328	41.20	10.12	56.00	14.80	Peak	N	Pass
4**	2.328	25.80	10.12	46.00	20.20	AV	N	Pass
5	5.892	40.37	10.47	60.00	19.63	Peak	N	Pass
5**	5.892	29.26	10.47	50.00	20.74	AV	N	Pass
6	12.634	40.87	10.51	60.00	19.13	Peak	N	Pass
6**	12.634	28.45	10.51	50.00	21.55	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note ¹: The symbol of “--” in the table which means not application.

Note ²: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

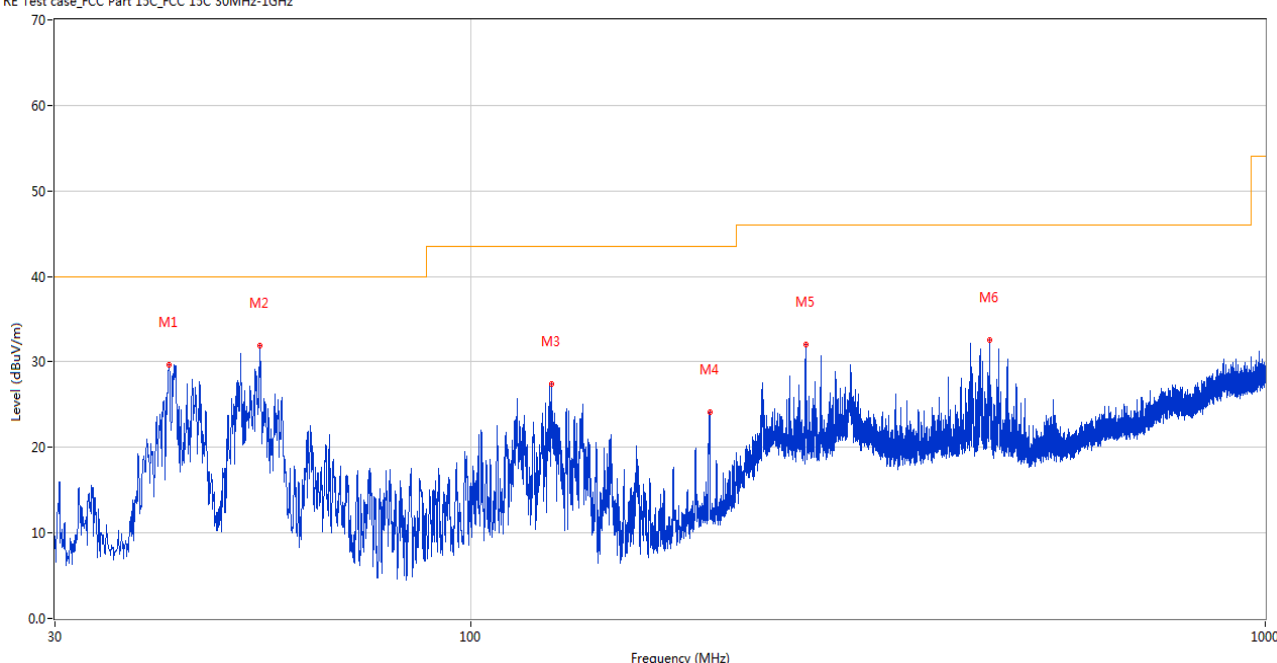
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

Test Data and Plots

30 MHz to 1 GHz, ANT H

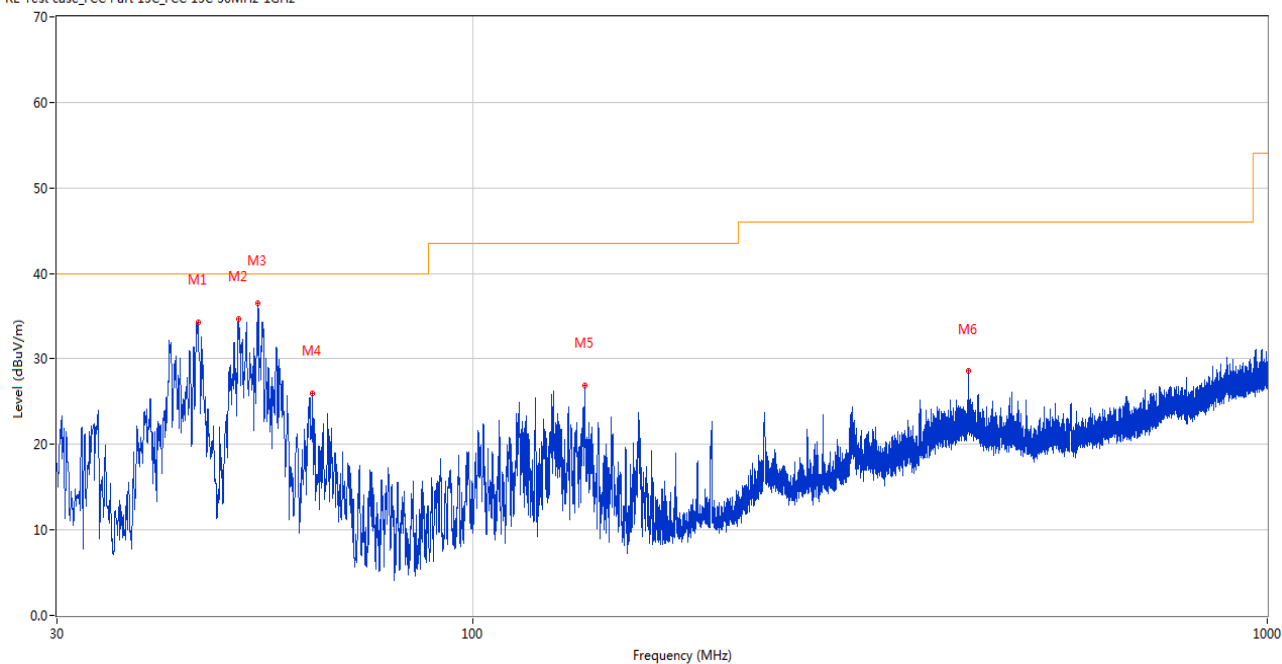
RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	41.785	29.70	-25.69	40.0	10.30	Peak	178.80	200	Horizontal	Pass
2	54.347	31.96	-24.92	40.0	8.04	Peak	168.50	200	Horizontal	Pass
3	126.466	27.37	-28.72	43.5	16.13	Peak	2.00	200	Horizontal	Pass
4	199.895	24.17	-25.65	43.5	19.33	Peak	0.00	100	Horizontal	Pass
5	264.158	32.02	-24.06	46.0	13.98	Peak	360.00	100	Horizontal	Pass
6	450.398	32.52	-19.52	46.0	13.48	Peak	140.90	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V

RE Test case_FCC Part 15C_FCC 15C 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	45.132	34.31	-25.27	40.0	5.69	Peak	227.70	100	Vertical	Pass
2	50.758	34.72	-24.87	40.0	5.28	Peak	242.60	100	Vertical	Pass
3	53.765	36.50	-24.85	40.0	3.50	Peak	267.80	100	Vertical	Pass
4	62.834	26.01	-26.81	40.0	13.99	Peak	248.80	100	Vertical	Pass
5	138.398	26.88	-29.87	43.5	16.62	Peak	261.70	100	Vertical	Pass
6	421.007	28.55	-20.02	46.0	17.45	Peak	0.00	100	Vertical	Pass

Note: The spurious above 18G is noise only, do not show on the report.

5.2G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1473.700	38.34	74.0	35.66	Peak	208.00	100	Horizontal	Pass
1**	1473.700	29.68	54.0	24.32	AV	208.00	100	Horizontal	Pass
2	4315.000	48.26	74.0	25.74	Peak	34.00	100	Horizontal	Pass
2**	4315.000	38.44	54.0	15.56	AV	34.00	100	Horizontal	Pass
3	5159.250	106.33	--	--	Peak	52.00	150	Horizontal	N/A
3**	5159.250	100.32	--	--	AV	52.00	150	Horizontal	N/A
4	7484.750	53.18	74.0	20.82	Peak	13.00	100	Horizontal	Pass
4**	7484.750	43.20	54.0	10.80	AV	13.00	100	Horizontal	Pass
5	12467.375	53.42	74.0	20.58	Peak	218.00	200	Horizontal	Pass
5**	12467.375	44.09	54.0	9.91	AV	218.00	200	Horizontal	Pass
6	15903.150	54.32	74.0	19.68	Peak	0.00	300	Horizontal	Pass
6**	15903.150	45.78	54.0	8.22	AV	0.00	300	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1497.200	39.62	74.0	34.38	Peak	122.00	100	Vertical	Pass
1**	1497.200	29.10	54.0	24.90	AV	122.00	100	Vertical	Pass
2	3991.500	48.47	74.0	25.53	Peak	163.00	100	Vertical	Pass
2**	3991.500	37.30	54.0	16.70	AV	163.00	100	Vertical	Pass
3	5159.250	102.66	--	--	Peak	204.00	150	Vertical	N/A
3**	5159.250	99.29	--	--	AV	204.00	150	Vertical	N/A
4	7619.000	53.60	74.0	20.40	Peak	304.00	200	Vertical	Pass
4**	7619.000	43.89	54.0	10.11	AV	304.00	200	Vertical	Pass
5	12493.737	54.24	74.0	19.76	Peak	0.00	100	Vertical	Pass
5**	12493.737	44.25	54.0	9.75	AV	0.00	100	Vertical	Pass
6	16088.738	54.57	74.0	19.43	Peak	158.00	400	Vertical	Pass
6**	16088.738	44.83	54.0	9.17	AV	158.00	400	Vertical	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1602.900	38.56	74.0	35.44	Peak	345.00	100	Horizontal	Pass
1**	1602.900	29.30	54.0	24.70	AV	345.00	100	Horizontal	Pass
2	3881.250	47.58	74.0	26.42	Peak	228.00	100	Horizontal	Pass
2**	3881.250	36.12	54.0	17.88	AV	228.00	100	Horizontal	Pass
3	5200.750	106.09	--	--	Peak	50.00	150	Horizontal	N/A
3**	5200.750	104.04	--	--	AV	50.00	150	Horizontal	N/A
4	7610.500	53.06	74.0	20.94	Peak	267.00	100	Horizontal	Pass
4**	7610.500	43.80	54.0	10.20	AV	267.00	100	Horizontal	Pass
5	12453.363	52.98	74.0	21.02	Peak	102.00	100	Horizontal	Pass
5**	12453.363	43.85	54.0	10.15	AV	102.00	100	Horizontal	Pass
6	15910.237	54.46	74.0	19.54	Peak	150.00	200	Horizontal	Pass
6**	15910.237	45.28	54.0	8.72	AV	150.00	200	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1626.300	39.34	74.0	34.66	Peak	150.00	200	Vertical	Pass
1**	1626.300	29.25	54.0	24.75	AV	150.00	200	Vertical	Pass
2	3986.000	48.49	74.0	25.51	Peak	167.00	300	Vertical	Pass
2**	3986.000	38.01	54.0	15.99	AV	167.00	300	Vertical	Pass
3	5200.500	103.98	--	--	Peak	187.00	100	Vertical	N/A
3**	5200.500	100.82	--	--	AV	187.00	100	Vertical	N/A
4	7350.750	52.92	74.0	21.08	Peak	146.00	400	Vertical	Pass
4**	7350.750	43.56	54.0	10.44	AV	146.00	400	Vertical	Pass
5	12485.425	53.06	74.0	20.94	Peak	16.00	100	Vertical	Pass
5**	12485.425	44.03	54.0	9.97	AV	16.00	100	Vertical	Pass
6	16079.287	54.69	74.0	19.31	Peak	255.00	200	Vertical	Pass
6**	16079.287	43.84	54.0	10.16	AV	255.00	200	Vertical	Pass

5.2G ISM Band, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.000	38.52	74.0	35.48	Peak	286.00	200	Horizontal	Pass
1**	1611.000	28.80	54.0	25.20	AV	286.00	200	Horizontal	Pass
2	4358.250	47.24	74.0	26.76	Peak	0.00	400	Horizontal	Pass
2**	4358.250	38.46	54.0	15.54	AV	0.00	400	Horizontal	Pass
3	5239.500	105.68	--	--	Peak	51.00	200	Horizontal	N/A
3**	5239.500	103.70	--	--	AV	51.00	200	Horizontal	N/A
4	7656.750	53.23	74.0	20.77	Peak	31.00	200	Horizontal	Pass
4**	7656.750	44.10	54.0	9.90	AV	31.00	200	Horizontal	Pass
5	12449.563	53.41	74.0	20.59	Peak	265.00	100	Horizontal	Pass
5**	12449.563	43.72	54.0	10.28	AV	265.00	100	Horizontal	Pass
6	16168.537	54.25	74.0	19.75	Peak	277.00	200	Horizontal	Pass
6**	16168.537	43.76	54.0	10.24	AV	277.00	200	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1495.700	39.00	74.0	35.00	Peak	147.00	300	Vertical	Pass
1**	1495.700	28.45	54.0	25.55	AV	147.00	300	Vertical	Pass
2	4272.000	47.52	74.0	26.48	Peak	207.00	200	Vertical	Pass
2**	4272.000	37.84	54.0	16.16	AV	207.00	200	Vertical	Pass
3	5239.500	103.10	--	--	Peak	187.00	150	Vertical	N/A
3**	5239.500	101.01	--	--	AV	187.00	150	Vertical	N/A
4	7612.750	53.92	74.0	20.08	Peak	167.00	100	Vertical	Pass
4**	7612.750	43.83	54.0	10.17	AV	167.00	100	Vertical	Pass
5	12482.575	53.87	74.0	20.13	Peak	296.00	200	Vertical	Pass
5**	12482.575	43.96	54.0	10.04	AV	296.00	200	Vertical	Pass
6	15920.474	54.06	74.0	19.94	Peak	199.00	300	Vertical	Pass
6**	15920.474	44.23	54.0	9.77	AV	199.00	300	Vertical	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.100	39.04	74.0	34.96	Peak	132.00	300	Horizontal	Pass
1**	1572.100	28.79	54.0	25.21	AV	132.00	300	Horizontal	Pass
2	4260.750	47.10	74.0	26.90	Peak	287.00	400	Horizontal	Pass
2**	4260.750	37.64	54.0	16.36	AV	287.00	400	Horizontal	Pass
3	5735.500	101.12	--	--	Peak	53.00	200	Horizontal	N/A
3**	5735.500	98.78	--	--	AV	53.00	200	Horizontal	N/A
4	7603.750	52.92	74.0	21.08	Peak	248.00	300	Horizontal	Pass
4**	7603.750	43.83	54.0	10.17	AV	248.00	300	Horizontal	Pass
5	12483.049	52.75	74.0	21.25	Peak	360.00	150	Horizontal	Pass
5**	12483.049	44.79	54.0	9.21	AV	360.00	150	Horizontal	Pass
6	16090.575	54.17	74.0	19.83	Peak	293.00	400	Horizontal	Pass
6**	16090.575	44.69	54.0	9.31	AV	293.00	400	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1576.200	38.58	74.0	35.42	Peak	154.00	400	Vertical	Pass
1**	1576.200	29.22	54.0	24.78	AV	154.00	400	Vertical	Pass
2	4254.500	47.13	74.0	26.87	Peak	48.00	200	Vertical	Pass
2**	4254.500	37.99	54.0	16.01	AV	48.00	200	Vertical	Pass
3	5735.500	97.83	--	--	Peak	127.00	200	Vertical	N/A
3**	5735.500	95.74	--	--	AV	127.00	200	Vertical	N/A
4	7624.250	53.54	74.0	20.46	Peak	148.00	200	Vertical	Pass
4**	7624.250	44.24	54.0	9.76	AV	148.00	200	Vertical	Pass
5	12489.224	53.56	74.0	20.44	Peak	360.00	200	Vertical	Pass
5**	12489.224	44.08	54.0	9.92	AV	360.00	200	Vertical	Pass
6	15905.250	54.53	74.0	19.47	Peak	129.00	300	Vertical	Pass
6**	15905.250	45.07	54.0	8.93	AV	129.00	300	Vertical	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1594.400	38.52	74.0	35.48	Peak	289.00	300	Horizontal	Pass
1**	1594.400	29.08	54.0	24.92	AV	289.00	300	Horizontal	Pass
2	4178.750	47.55	74.0	26.45	Peak	111.00	100	Horizontal	Pass
2**	4178.750	37.14	54.0	16.86	AV	111.00	100	Horizontal	Pass
3	5785.750	101.21	--	--	Peak	266.00	100	Horizontal	N/A
3**	5785.750	97.72	--	--	AV	266.00	100	Horizontal	N/A
4	7655.250	52.88	74.0	21.12	Peak	170.00	100	Horizontal	Pass
4**	7655.250	43.40	54.0	10.60	AV	170.00	100	Horizontal	Pass
5	12489.224	53.52	74.0	20.48	Peak	302.00	100	Horizontal	Pass
5**	12489.224	44.61	54.0	9.39	AV	302.00	100	Horizontal	Pass
6	15921.000	54.06	74.0	19.94	Peak	0.00	300	Horizontal	Pass
6**	15921.000	45.26	54.0	8.74	AV	0.00	300	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1439.600	39.91	74.0	34.09	Peak	193.00	300	Vertical	Pass
1**	1439.600	29.52	54.0	24.48	AV	193.00	300	Vertical	Pass
2	4064.500	46.61	74.0	27.39	Peak	0.00	100	Vertical	Pass
2**	4064.500	37.33	54.0	16.67	AV	0.00	100	Vertical	Pass
3	5785.750	96.93	--	--	Peak	190.00	200	Vertical	N/A
3**	5785.750	94.62	--	--	AV	190.00	200	Vertical	N/A
4	7583.750	52.75	74.0	21.25	Peak	73.00	200	Vertical	Pass
4**	7583.750	44.74	54.0	9.26	AV	73.00	200	Vertical	Pass
5	12506.087	53.26	74.0	20.74	Peak	208.00	100	Vertical	Pass
5**	12506.087	44.44	54.0	9.56	AV	208.00	100	Vertical	Pass
6	15401.775	53.11	74.0	20.89	Peak	343.00	100	Vertical	Pass
6**	15401.775	43.43	54.0	10.57	AV	343.00	100	Vertical	Pass

5.8G ISM Band, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1616.800	38.43	74.0	35.57	Peak	249.00	400	Horizontal	Pass
1**	1616.800	29.16	54.0	24.84	AV	249.00	400	Horizontal	Pass
2	4250.250	48.32	74.0	25.68	Peak	90.00	200	Horizontal	Pass
2**	4250.250	39.47	54.0	14.53	AV	90.00	200	Horizontal	Pass
3	5840.500	100.60	--	--	Peak	267.00	200	Horizontal	N/A
3**	5840.500	98.01	--	--	AV	267.00	200	Horizontal	N/A
4	7700.500	53.74	74.0	20.26	Peak	168.00	200	Horizontal	Pass
4**	7700.500	42.70	54.0	11.30	AV	168.00	200	Horizontal	Pass
5	11514.526	53.02	74.0	20.98	Peak	46.00	150	Horizontal	Pass
5**	11514.526	44.18	54.0	9.82	AV	46.00	150	Horizontal	Pass
6	15661.388	53.98	74.0	20.02	Peak	83.00	200	Horizontal	Pass
6**	15661.388	44.08	54.0	9.92	AV	83.00	200	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1537.300	39.87	74.0	34.13	Peak	172.00	200	Vertical	Pass
1**	1537.300	30.35	54.0	23.65	AV	172.00	200	Vertical	Pass
2	4344.500	48.11	74.0	25.89	Peak	29.00	300	Vertical	Pass
2**	4344.500	38.99	54.0	15.01	AV	29.00	300	Vertical	Pass
3	5839.250	97.47	--	--	Peak	187.00	100	Vertical	N/A
3**	5839.250	93.34	--	--	AV	187.00	100	Vertical	N/A
4	7340.250	52.68	74.0	21.32	Peak	187.00	400	Vertical	Pass
4**	7340.250	42.99	54.0	11.01	AV	187.00	400	Vertical	Pass
5	11678.875	53.65	74.0	20.35	Peak	60.00	100	Vertical	Pass
5**	11678.875	49.83	54.0	4.17	AV	60.00	100	Vertical	Pass
6	15777.150	54.49	74.0	19.51	Peak	277.00	200	Vertical	Pass
6**	15777.150	43.97	54.0	10.03	AV	277.00	200	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1452.500	38.64	74.0	35.36	Peak	22.00	400	Horizontal	Pass
1**	1452.500	29.65	54.0	24.35	AV	22.00	400	Horizontal	Pass
2	4341.500	47.53	74.0	26.47	Peak	171.00	100	Horizontal	Pass
2**	4341.500	38.05	54.0	15.95	AV	171.00	100	Horizontal	Pass
3	5849.250	100.59	--	--	Peak	56.00	150	Horizontal	N/A
3**	5849.250	96.68	--	--	AV	56.00	150	Horizontal	N/A
4	7586.750	52.66	74.0	21.34	Peak	153.00	300	Horizontal	Pass
4**	7586.750	43.51	54.0	10.49	AV	153.00	300	Horizontal	Pass
5	11701.675	50.79	74.0	23.21	Peak	360.00	100	Horizontal	Pass
5**	11701.675	47.61	54.0	6.39	AV	360.00	100	Horizontal	Pass
6	16119.451	53.72	74.0	20.28	Peak	110.00	200	Horizontal	Pass
6**	16119.451	44.79	54.0	9.21	AV	110.00	200	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Low Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1444.200	40.53	74.0	33.47	Peak	188.00	200	Vertical	Pass
1**	1444.200	29.78	54.0	24.22	AV	188.00	200	Vertical	Pass
2	4342.500	47.32	74.0	26.68	Peak	95.00	300	Vertical	Pass
2**	4342.500	37.47	54.0	16.53	AV	95.00	300	Vertical	Pass
3	5849.250	96.64	--	--	Peak	134.00	150	Vertical	N/A
3**	5849.250	92.10	--	--	AV	134.00	150	Vertical	N/A
4	7486.250	52.58	74.0	21.42	Peak	270.00	200	Vertical	Pass
4**	7486.250	43.55	54.0	10.45	AV	270.00	200	Vertical	Pass
5	11698.825	55.49	74.0	18.51	Peak	48.00	100	Vertical	Pass
5**	11698.825	50.39	54.0	3.61	AV	48.00	100	Vertical	Pass
6	15682.388	54.64	74.0	19.36	Peak	219.00	300	Vertical	Pass
6**	15682.388	43.89	54.0	10.11	AV	219.00	300	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.100	38.39	74.0	35.61	Peak	118.00	200	Horizontal	Pass
1**	1614.100	29.05	54.0	24.95	AV	118.00	200	Horizontal	Pass
2	4270.000	47.27	74.0	26.73	Peak	107.00	200	Horizontal	Pass
2**	4270.000	37.81	54.0	16.19	AV	107.00	200	Horizontal	Pass
3	5869.500	100.38	--	--	Peak	46.00	150	Horizontal	N/A
3**	5869.500	96.53	--	--	AV	46.00	150	Horizontal	N/A
4	7608.000	53.17	74.0	20.83	Peak	205.00	200	Horizontal	Pass
4**	7608.000	44.16	54.0	9.84	AV	205.00	200	Horizontal	Pass
5	11741.338	53.37	74.0	20.63	Peak	9.00	200	Horizontal	Pass
5**	11741.338	47.49	54.0	6.51	AV	9.00	200	Horizontal	Pass
6	15914.700	53.72	74.0	20.28	Peak	320.00	200	Horizontal	Pass
6**	15914.700	44.49	54.0	9.51	AV	320.00	200	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.800	39.08	74.0	34.92	Peak	164.00	400	Vertical	Pass
1**	1529.800	29.00	54.0	25.00	AV	164.00	400	Vertical	Pass
2	4258.750	47.64	74.0	26.36	Peak	90.00	400	Vertical	Pass
2**	4258.750	38.55	54.0	15.45	AV	90.00	400	Vertical	Pass
3	5870.750	96.26	--	--	Peak	189.00	200	Vertical	N/A
3**	5870.750	93.41	--	--	AV	189.00	200	Vertical	N/A
4	7606.000	52.84	74.0	21.16	Peak	207.00	100	Vertical	Pass
4**	7606.000	43.58	54.0	10.42	AV	207.00	100	Vertical	Pass
5	11738.963	55.74	74.0	18.26	Peak	53.00	100	Vertical	Pass
5**	11738.963	53.00	54.0	1.00	AV	53.00	100	Vertical	Pass
6	11741.100	57.01	74.0	16.99	Peak	53.00	200	Vertical	Pass
6**	11741.100	50.86	54.0	3.14	AV	53.00	200	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1614.000	38.58	74.0	35.42	Peak	38.00	300	Horizontal	Pass
1**	1614.000	29.41	54.0	24.59	AV	38.00	300	Horizontal	Pass
2	4208.250	47.68	74.0	26.32	Peak	285.00	100	Horizontal	Pass
2**	4208.250	37.86	54.0	16.14	AV	285.00	100	Horizontal	Pass
3	5885.500	96.22	--	--	Peak	53.00	100	Horizontal	N/A
3**	5885.500	93.01	--	--	AV	53.00	100	Horizontal	N/A
4	7628.750	53.04	74.0	20.96	Peak	188.00	100	Horizontal	Pass
4**	7628.750	43.15	54.0	10.85	AV	188.00	100	Horizontal	Pass
5	12505.138	53.23	74.0	20.77	Peak	221.00	150	Horizontal	Pass
5**	12505.138	44.27	54.0	9.73	AV	221.00	150	Horizontal	Pass
6	16109.737	54.44	74.0	19.56	Peak	37.00	400	Horizontal	Pass
6**	16109.737	45.35	54.0	8.65	AV	37.00	400	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1604.800	39.78	74.0	34.22	Peak	157.00	300	Vertical	Pass
1**	1604.800	29.17	54.0	24.83	AV	157.00	300	Vertical	Pass
2	3982.250	47.69	74.0	26.31	Peak	0.00	300	Vertical	Pass
2**	3982.250	36.93	54.0	17.07	AV	0.00	300	Vertical	Pass
3	5885.500	93.52	--	--	Peak	190.00	150	Vertical	N/A
3**	5885.500	90.94	--	--	AV	190.00	150	Vertical	N/A
4	7667.000	52.75	74.0	21.25	Peak	288.00	400	Vertical	Pass
4**	7667.000	43.26	54.0	10.74	AV	288.00	400	Vertical	Pass
5	11768.887	53.35	74.0	20.65	Peak	63.00	100	Vertical	Pass
5**	11768.887	48.43	54.0	5.57	AV	63.00	100	Vertical	Pass
6	16112.362	54.34	74.0	19.66	Peak	360.00	400	Vertical	Pass
6**	16112.362	44.68	54.0	9.32	AV	360.00	400	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, High Channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1557.400	39.05	74.0	34.95	Peak	7.00	300	Horizontal	Pass
1**	1557.400	29.33	54.0	24.67	AV	7.00	300	Horizontal	Pass
2	4264.000	48.67	74.0	25.33	Peak	176.00	200	Horizontal	Pass
2**	4264.000	39.66	54.0	14.34	AV	176.00	200	Horizontal	Pass
3	5890.500	101.65	--	--	Peak	77.00	100	Horizontal	N/A
3**	5890.500	99.10	--	--	AV	77.00	100	Horizontal	N/A
4	7605.000	53.08	74.0	20.92	Peak	57.00	200	Horizontal	Pass
4**	7605.000	43.75	54.0	10.25	AV	57.00	200	Horizontal	Pass
5	11781.474	52.94	74.0	21.06	Peak	324.00	100	Horizontal	Pass
5**	11781.474	47.54	54.0	6.46	AV	324.00	100	Horizontal	Pass
6	15908.924	54.93	74.0	19.07	Peak	360.00	100	Horizontal	Pass
6**	15908.924	45.60	54.0	8.40	AV	360.00	100	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, High Channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1493.300	38.80	74.0	35.20	Peak	76.00	400	Vertical	Pass
1**	1493.300	28.36	54.0	25.64	AV	76.00	400	Vertical	Pass
2	4287.500	47.71	74.0	26.29	Peak	0.00	400	Vertical	Pass
2**	4287.500	39.02	54.0	14.98	AV	0.00	400	Vertical	Pass
3	5890.750	96.38	--	--	Peak	274.00	200	Vertical	N/A
3**	5890.750	93.44	--	--	AV	274.00	200	Vertical	N/A
4	7346.500	53.71	74.0	20.29	Peak	360.00	100	Vertical	Pass
4**	7346.500	43.93	54.0	10.07	AV	360.00	100	Vertical	Pass
5	11779.100	54.99	74.0	19.01	Peak	23.00	100	Vertical	Pass
5**	11779.100	52.67	54.0	1.33	AV	23.00	100	Vertical	Pass
6	16116.300	54.14	74.0	19.86	Peak	265.00	100	Vertical	Pass
6**	16116.300	45.07	54.0	8.93	AV	265.00	100	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

Test Band	Channel	Verdict
5.2G ISM Band	5160	Pass
	5240	Pass
5.8G ISM Band	5735	Pass
	5840	Pass
5.9G ISM Band	5850	Pass
	5885	Pass
	5890	Pass

Test Data

5.2G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4827.275	56.52	74.0	17.48	Peak	96.00	200	Horizontal	Pass
1**	4827.275	44.52	54.0	9.48	AV	96.00	200	Horizontal	Pass
2	5150.000	54.23	74.0	19.77	Peak	72.00	150	Horizontal	Pass
2**	5150.000	44.83	54.0	9.17	AV	72.00	150	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	54.79	74.0	19.21	Peak	205.00	150	Horizontal	Pass
1**	5350.055	45.55	54.0	8.45	AV	205.00	150	Horizontal	Pass
2	5352.915	56.99	74.0	17.01	Peak	239.00	150	Horizontal	Pass
2**	5352.915	45.40	54.0	8.60	AV	239.00	150	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	4991.725	56.68	74.0	17.32	Peak	259.00	100	Horizontal	Pass
1**	4991.725	44.06	54.0	9.94	AV	259.00	100	Horizontal	Pass
2	5150.000	54.70	74.0	19.30	Peak	202.00	100	Horizontal	Pass
2**	5150.000	44.88	54.0	9.12	AV	202.00	100	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.000	56.01	74.0	17.99	Peak	67.00	200	Horizontal	Pass
1**	5350.000	45.53	54.0	8.47	AV	67.00	200	Horizontal	Pass
2	5372.055	56.65	74.0	17.35	Peak	110.00	100	Horizontal	Pass
2**	5372.055	45.41	54.0	8.59	AV	110.00	100	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5128.225	56.01	74.0	17.99	Peak	173.00	150	Horizontal	Pass
1**	5128.225	45.62	54.0	8.38	AV	173.00	150	Horizontal	Pass
2	5150.000	54.25	74.0	19.75	Peak	137.00	100	Horizontal	Pass
2**	5150.000	44.47	54.0	9.53	AV	137.00	100	Horizontal	Pass

5.2G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5350.055	55.85	74.0	18.15	Peak	56.00	200	Horizontal	Pass
1**	5350.055	45.34	54.0	8.66	AV	56.00	200	Horizontal	Pass
2	5353.960	56.85	74.0	17.15	Peak	8.00	100	Horizontal	Pass
2**	5353.960	45.42	54.0	8.58	AV	8.00	100	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.063	56.18	68.2	12.02	Peak	120.00	100	Horizontal	Pass
2	5650.000	55.67	68.2	12.53	Peak	128.00	200	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.09	68.3	13.21	Peak	264.00	150	Horizontal	Pass
2	5945.025	57.39	68.2	10.81	Peak	22.00	100	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5633.750	56.75	68.2	11.45	Peak	5.00	100	Vertical	Pass
2	5650.000	55.42	68.2	12.78	Peak	225.00	200	Vertical	Pass

5.8G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	55.24	68.3	13.06	Peak	90.00	100	Vertical	Pass
2	5928.750	57.69	68.2	10.51	Peak	0.00	150	Vertical	Pass

5.8G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5611.687	56.57	68.2	11.63	Peak	32.00	100	Horizontal	Pass
2	5650.000	54.76	68.2	13.44	Peak	12.00	200	Horizontal	Pass

5.8G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5924.925	54.95	68.3	13.35	Peak	208.00	200	Vertical	Pass
2	5930.325	57.48	68.2	10.72	Peak	19.00	100	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5648.000	56.45	68.2	11.75	Peak	217.00	200	Horizontal	Pass
2	5650.000	54.44	68.2	13.76	Peak	137.00	150	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Low Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5895.075	56.66	110.1	53.44	Peak	359.00	200	Horizontal	Pass
1**	5895.075	45.72	90.1	44.38	AV	359.00	200	Horizontal	Pass
2	5907.480	57.79	101.0	43.21	Peak	188.00	100	Horizontal	Pass
2**	5907.480	46.32	81.0	34.68	AV	188.00	100	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5637.000	56.78	68.2	11.42	Peak	71.00	150	Vertical	Pass
2	5650.000	54.31	68.2	13.89	Peak	137.00	100	Vertical	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5895.060	56.31	110.2	53.89	Peak	151.00	200	Horizontal	Pass
1**	5895.060	45.59	90.2	44.61	AV	151.00	200	Horizontal	Pass
2	5909.400	57.84	99.6	41.76	Peak	237.00	150	Horizontal	Pass
2**	5909.400	45.93	79.6	33.67	AV	237.00	150	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5649.000	56.95	68.2	11.25	Peak	266.00	200	Horizontal	Pass
2	5650.000	54.97	68.2	13.23	Peak	52.00	200	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, Middle Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5895.000	56.30	110.2	53.90	Peak	45.00	100	Horizontal	Pass
1**	5895.000	45.60	90.2	44.60	AV	45.00	100	Horizontal	Pass
2	5897.340	57.77	108.5	50.73	Peak	52.00	150	Horizontal	Pass
2**	5897.340	45.71	88.5	42.79	AV	52.00	150	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5895.090	61.28	110.1	48.82	Peak	352.00	150	Horizontal	Pass
1**	5895.090	53.00	90.1	37.10	AV	352.00	150	Horizontal	Pass
2	5895.135	60.85	110.1	49.25	Peak	0.00	150	Horizontal	Pass
2**	5895.135	53.28	90.1	36.82	AV	0.00	150	Horizontal	Pass

5.9G ISM Band, 1 GHz to 18 GHz, High Channel

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5895.030	60.30	110.2	49.90	Peak	304.00	200	Vertical	Pass
1**	5895.030	51.88	90.2	38.32	AV	304.00	200	Vertical	Pass
2	5895.555	59.95	109.8	49.85	Peak	103.00	150	Vertical	Pass
2**	5895.555	50.16	89.8	39.64	AV	103.00	150	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2531360-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2531360-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2531360-AI.PDF”.

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