

TEST REPORT

Applicant: Shenzhen Xinguodu Technology Co.,Ltd.

Address: 17B JinSong Mansion, Tairan 4th Road, Shatou Street, Futian District, Shenzhen, Guangdong, China.

Product Name: POS terminal

Brand Name: NEXGO

FCC ID: XDQN86PRO-01

Standard(s): 47 CFR Part 15, Subpart C(15.247)
ANSI C63.10-2020
KDB 558074 D01 15.247 Meas Guidance v05r02

Report Number: 2502Q44141E-RF-00AA1

Report Date: 2026/10/8

The above device has been tested and found compliant with the requirement of the relevant standards by Bay Area Compliance Laboratories Corp. (Dongguan).

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502Q44141E-RF-00A	Original Report	2025/4/10
2.0	2502Q44141E-RF-00AA1	Amended Report	2026/10/8

Note: This is the amended report application which was based on the original report. The differences between them are as follows:

1. Change the applicant's address to 17B JinSong Mansion, Tairan 4th Road, Shatou Street, Futian District, Shenzhen, Guangdong, China.
2. Add one configuration (Sample 3#).
3. Change the WCN antenna for Sample 3#.
4. Remove one adapter (Model: STC-A520A-Z).
5. Add one Charging Base.

The change between the previous equipment and the current equipment is stated and guaranteed by the manufacturer. The difference between them will affect the related test results, we will update the related test results, test photos, and the related EUT photos.

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

EUT Name:	POS terminal
Brand Name:	NEXGO
EUT Model:	N86 Pro
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted):	0.06dBm
Modulation Type:	GFSK
Rated Input Voltage:	7.2Vdc from battery or 5.0Vdc from Adapter or 5.0Vdc from Charging Base
Serial Number:	3TKU-4 (Sample 3#)
EUT Received Date:	2026/9/12
EUT Received Status:	Good

EUT Information:

Sample	Parameters
Sample 3# (New)	EMCP Memory(2GB RAM+16GB ROM) + Front camera 2MP + Back camera 5MP + Flash lamp + Single ESIM + Single SIM+ Screen 1# (Tianshan)

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	Jiangxi Jian Aohai Technology Co.,Ltd.	A319-050200U-US2	Input: 100-240Vac 50/60Hz 0.3A Output: 5.0Vdc 2000Ma
Battery 1#	Zhengzhou BAK Battery Co.,Ltd.	GX11	Nominal Voltage: 7.2V Typical Capacity: 2600mAh Rated Capacity: 2500mAh Typical Energy: 18.72Wh Nominal Energy: 18Wh
Battery 2#	Zhengzhou BAK Battery Co.,Ltd.	GX12	Nominal Voltage: 7.2V Typical Capacity: 3300mAh Rated Capacity: 3200mAh Typical Energy: 23.76Wh Nominal Energy: 23.04Wh
Charging Base (New)	/	/	/

1.3 Antenna Information Detail ▲

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
FPC	50	2.4-2.5GHz	2.09dBi
The design of compliance with §15.203:			
☒ Unit uses a permanently attached antenna.			
☐ Unit uses a unique coupling to the intentional radiator.			
☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

1.4 Equipment Modifications

No modifications are made to the EUT during all test items.

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.205,§15.209,§15.247(d)	Radiated Spurious Emission	Compliant
FCC §15.247(a)(2)	6dB Emission Bandwidth	Compliant*
FCC §15.247(b)(3)	Maximum Conducted Output Power	Compliant*
FCC §15.247(d)	Conducted Spurious Emission	Compliant*
FCC §15.247(e)	Power Spectral Density	Compliant*
FCC §15.203	Antenna Requirement	Compliant
§15.247 (i) & §1.1310 & §2.1093	RF Exposure Evaluation	Compliant

Compliant*: The changes do not affect the test results. The test data and test related information please refer to original report.

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
...	...	38	2478
19	2440	39	2480

Note 1: The above frequencies in bold were performed the test.

Note 2: For AC line conducted emissions, the maximum output power mode and channel was tested.

Note 3: For Radiated Spurious Emissions 9kHz~1GHz and 18~25GHz, the maximum output power mode and channel was tested.

Note 4: Per 15B report, Report No.: 2502Q44141E-RF-00HA1, powered by adapter & battery 1# was worst for AC Line Conducted Emissions and Radiated Spurious Emissions, so only performed it in this report.

3.2 EUT Operation Condition

The EUT was configured for testing in Engineering Mode, which was provided by the manufacturer. The EUT configuration as below:

EUT Exercise Software:	Engineering Mode		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:			
Test Modes	Power Level Setting		
	Lowest Channel	Middle Channel	Highest Channel
BLE 1Mbps	6	6	6

3.3 Support Equipment List and Details

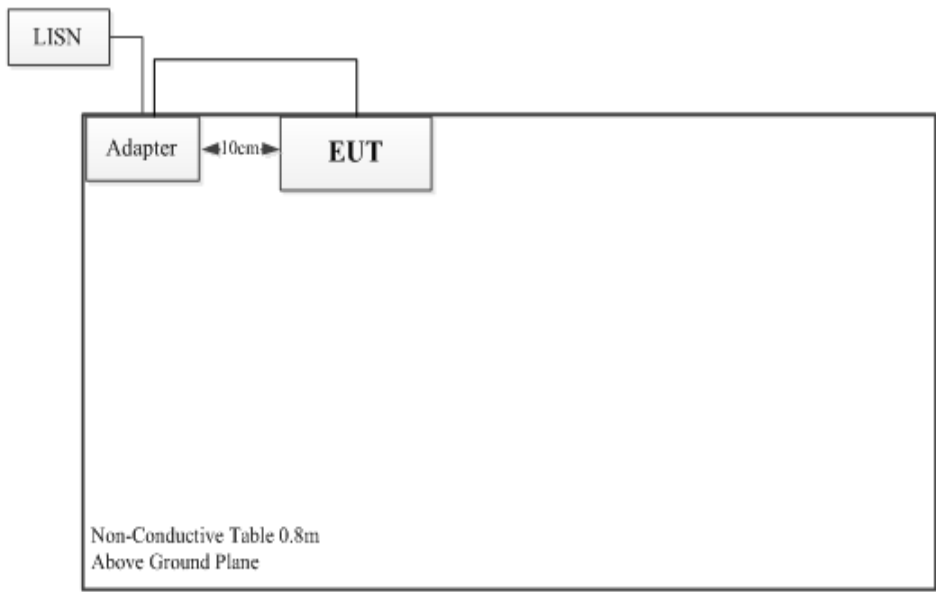
Manufacturer	Description	Model	Serial Number
/	/	/	/

3.4 Support Cable List and Details

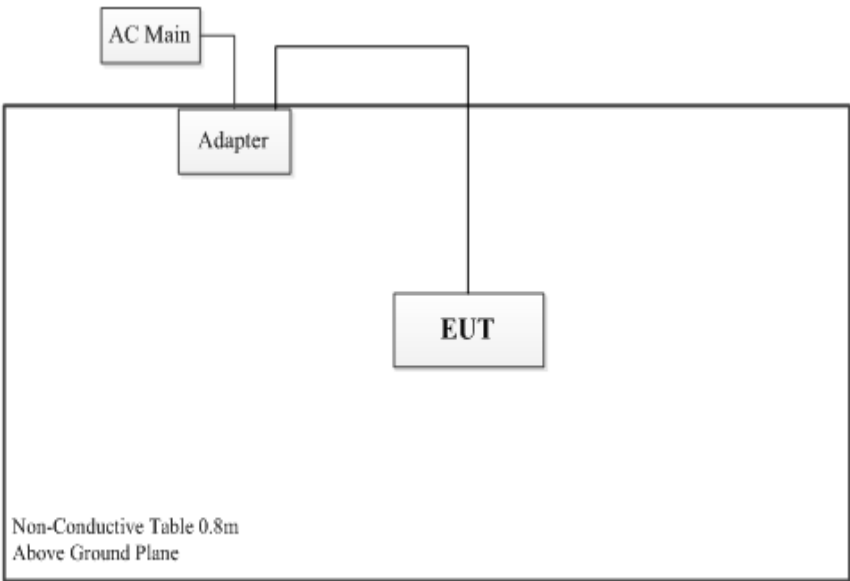
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	no	no	1.5	Adapter	EUT

3.5 Block Diagram of Test Setup

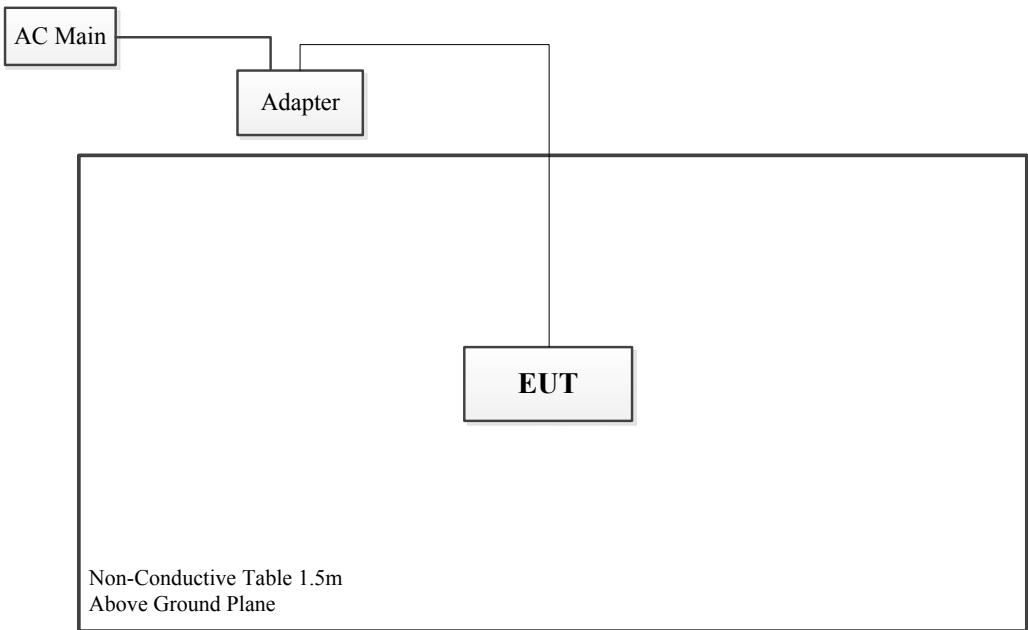
AC line conducted emissions:



Spurious Emissions:
Below 1GHz:



Above 1GHz:



3.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

3.7 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.55 dB
Power Spectral Density, conducted	±0.55 dB
Unwanted Emissions, radiated	9kHz~30MHz: 3.06dB, 30MHz~1GHz: 6.13 dB, 1GHz~6GHz: 4.79 dB, 6GHz~18GHz: 4.63 dB, 18GHz~26.5GHz: 4.79 dB, 26.5GHz~40GHz: 4.63 dB
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.83 dB (150 kHz to 30 MHz)

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, 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 or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).

Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

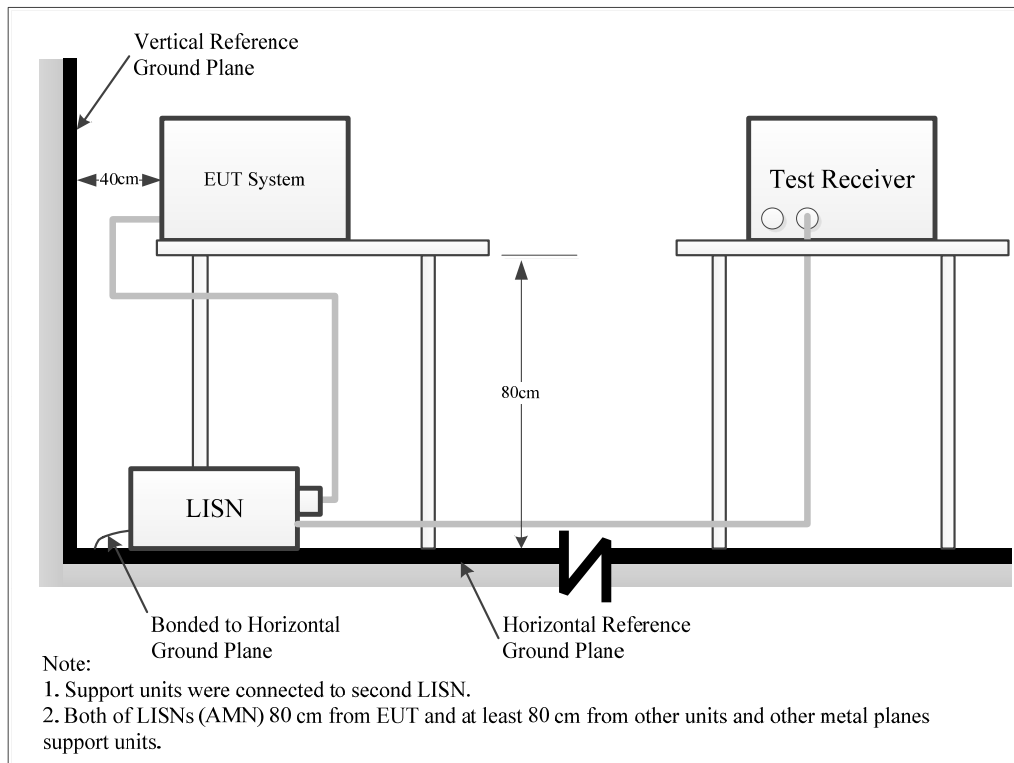
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

4.1.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

4.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

4.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground[protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

4.1.5 Corrected Result& Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor=attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

4.1.6 Test Result

Please refer to section 5.1.

4.2 Radiation Spurious Emissions

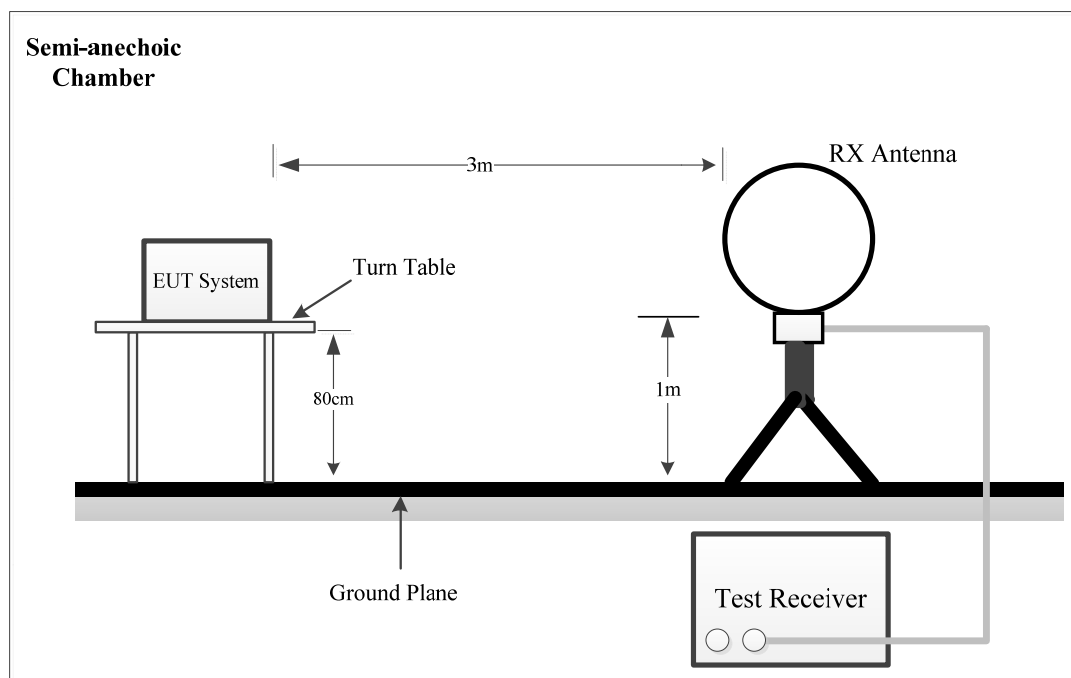
4.2.1 Applicable Standard

FCC §15.247 (d);

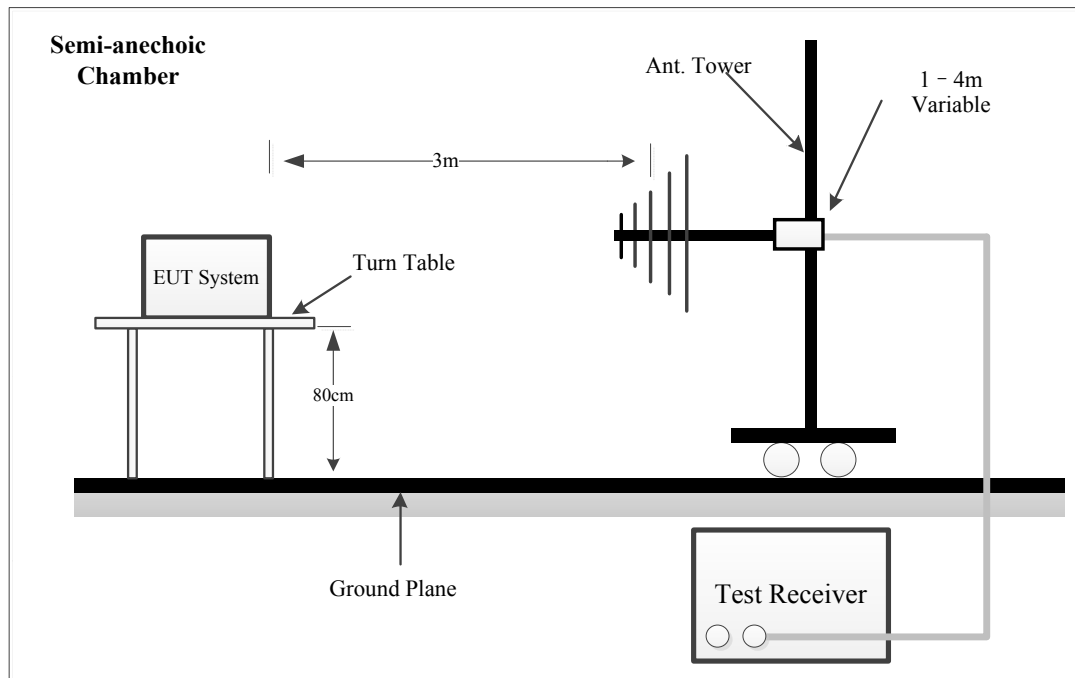
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

4.2.2 EUT Setup

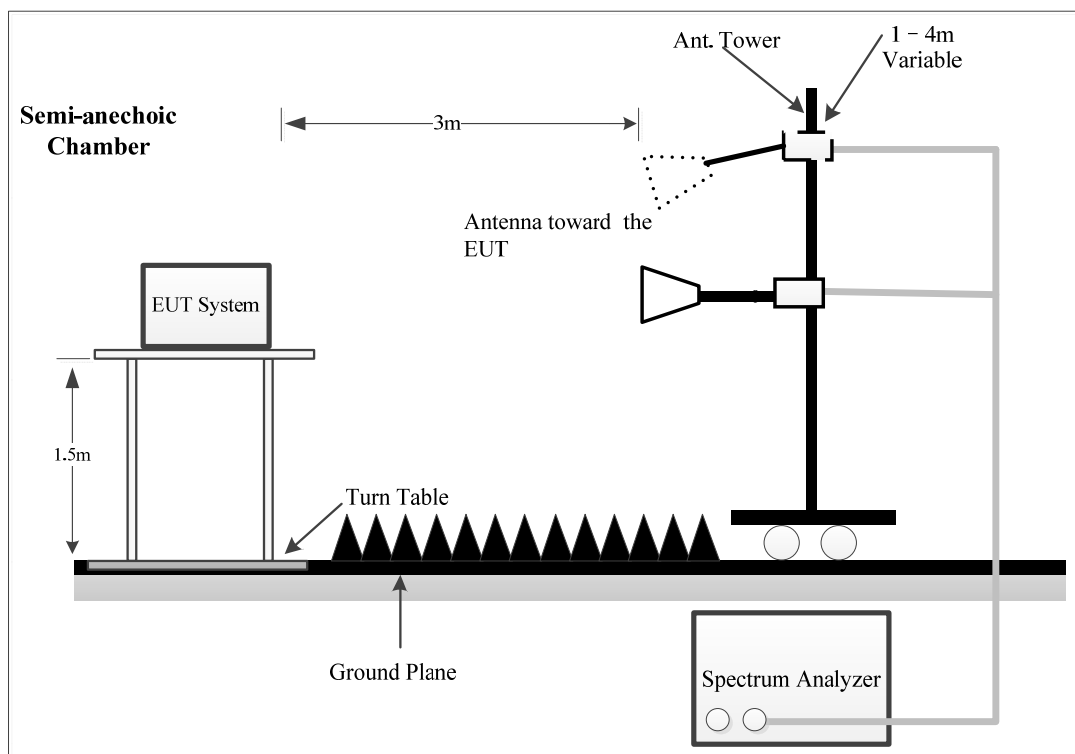
9kHz-30MHz:



30MHz~1GHz:



1-25GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9kHz-1000MHz:

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
9 kHz-150 kHz	QP/AV	200 Hz	1 kHz	200 Hz	QP/AV
150 kHz-30 MHz	QP/AV	9 kHz	30 kHz	9 kHz	QP/AV
30 MHz-1000 MHz	Peak	120 kHz	500 kHz	/	PK
	QP	/	/	120 kHz	QP

1GHz- 25GHz:

Pre-scan:

Measurement	Detector	RBW	Video B/W
PK	PK	1MHz	3 MHz
Ave.	PK	1MHz	5kHz

Final measurement for emission identified during the pre-scan:

Measurement	Detector	Duty cycle	RBW	Video B/W
PK	PK	Any	1MHz	3 MHz
Ave.	PK	>98%	1MHz	10 Hz
		<98%	1MHz	≥1/T

Note: T is minimum transmission duration

4.2.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was required in Quasi-peak measurement for frequency range of 9 kHz-1 GHz except 9-90 kHz, 110-490 kHz, employing an average measurement, peak and Average measurement for frequencies above 1 GHz.

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

All emissions under the average limit and under the noise floor have not recorded in the report.

4.2.5 Corrected Result & Margin Calculation

$$E_{Log} = 20 \times \log_{10}(E_{Linear})$$

E_{Linear} is the field strength of the emission, in $\mu V/m$

E_{Log} is the field strength of the emission, in $dB\mu V/m$

For 9kHz-30MHz test, test distance is 3m, extrapolation limit shall be calculated using Equation:

$$E_{limit-measure} = E_{limit-Standard} + 40 \times \log_{10} (d_{standard}/d_{measure})$$

The basic equation is as follows:

Result = Reading + Factor

Factor= Antenna Factor + Cable Loss- Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

4.2.6 Test Result

Please refer to section 5.2.

4.3 Antenna Requirement

4.3.1 Applicable Standard

FCC §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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.3.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.3.

5. TEST DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	3TKU-4	Test Date:	2026/9/27
Test Site:	CE	Test Mode:	Transmitting
Tester:	Atli Yu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2026/6/15	2027/6/14
Unknown	Coaxial Cable	RG 142	C-0200-05	2026/4/9	2027/4/8
R&S	EMI Test Receiver	ESCI	100340	2026/6/15	2027/6/14
Audix	Test Software	E3	191218 V9	N/A	N/A

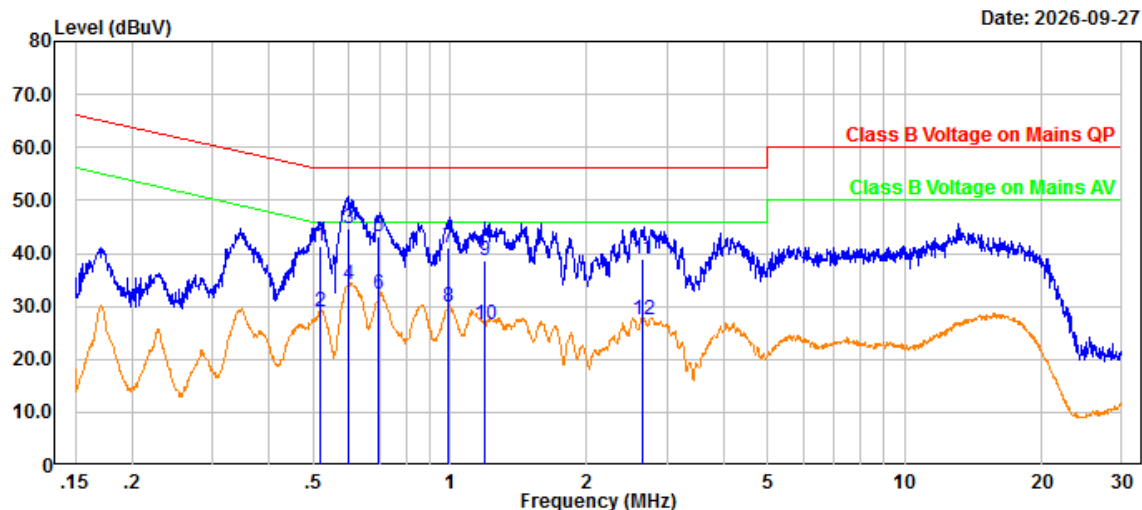
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Note: BLE 1M High channel was tested.

Project No.: 2502Q44141E-RF-A1
 Port: Line
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

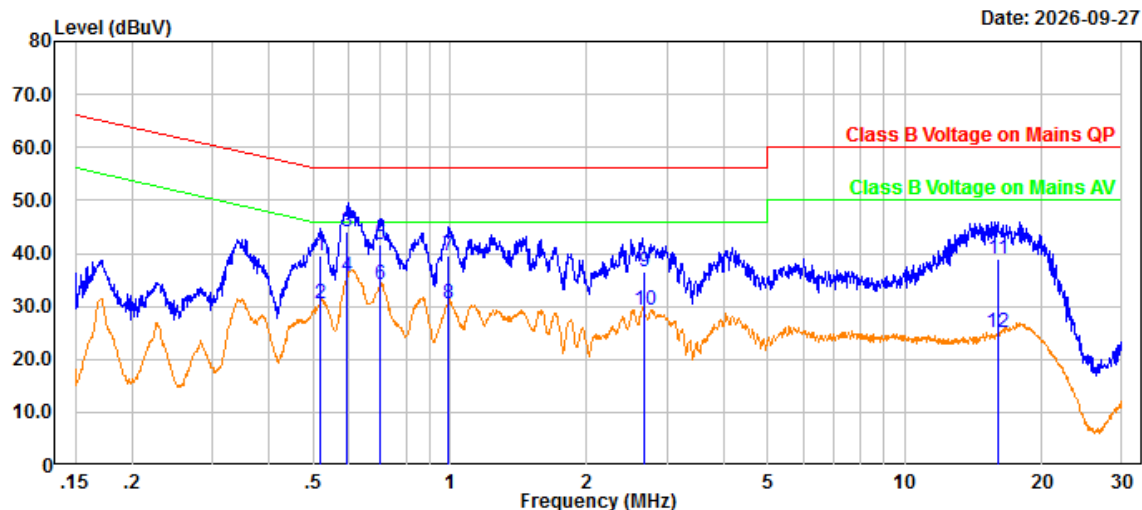
Serial No.: 3TKU-4
 Tester: Atli Yu
 Note: BLE



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.519	30.73	10.61	41.34	56.00	14.66	QP
2	0.519	18.42	10.61	29.03	46.00	16.97	Average
3	0.599	34.23	10.53	44.76	56.00	11.24	QP
4	0.599	23.55	10.53	34.08	46.00	11.92	Average
5	0.698	32.80	10.43	43.23	56.00	12.77	QP
6	0.698	21.74	10.43	32.17	46.00	13.83	Average
7	0.994	30.23	10.84	41.07	56.00	14.93	QP
8	0.994	19.15	10.84	29.99	46.00	16.01	Average
9	1.192	27.58	10.95	38.53	56.00	17.47	QP
10	1.192	15.55	10.95	26.50	46.00	19.50	Average
11	2.643	27.88	11.16	39.04	56.00	16.96	QP
12	2.643	16.39	11.16	27.55	46.00	18.45	Average

Project No.: 2502Q44141E-RF-A1
Port: neutral
Test Mode: Transmitting
IF B/W 9kHz PK/AV

Serial No.: 3TKU-4
Tester: Atli Yu
Note: BLE



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.518	29.14	10.52	39.66	56.00	16.34	QP
2	0.518	20.03	10.52	30.55	46.00	15.45	Average
3	0.593	33.57	10.48	44.05	56.00	11.95	QP
4	0.593	25.15	10.48	35.63	46.00	10.37	Average
5	0.703	31.36	10.44	41.80	56.00	14.20	QP
6	0.703	23.70	10.44	34.14	46.00	11.86	Average
7	0.988	28.72	10.93	39.65	56.00	16.35	QP
8	0.988	19.71	10.93	30.64	46.00	15.36	Average
9	2.672	25.46	11.12	36.58	56.00	19.42	QP
10	2.672	18.23	11.12	29.35	46.00	16.65	Average
11	15.984	27.76	11.05	38.81	60.00	21.19	QP
12	15.984	13.88	11.05	24.93	50.00	25.07	Average

5.2 Radiation Spurious Emissions

1)9kHz - 1GHz

Serial Number:	3TKU-4	Test Date:	2026/9/24
Test Site:	Chamber10m	Test Mode:	Transmitting
Tester:	Mikey Lin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.2	Relative Humidity: (%)	45	ATM Pressure: (kPa)	100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
GLOBAL	Active Loop Antenna	1313-1A	4060411	2025/6/26	2028/6/25
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2026/1/23	2029/1/22
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2026/6/15	2027/6/14
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2026/6/15	2027/6/14
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2026/6/15	2027/6/14
R&S	EMI Test Receiver	ESR3	102453	2026/6/15	2027/6/14
Audix	Test Software	E3	191218 V9	N/A	N/A
Wilson	Coaxial Attenuator	859936	F-08-EM014	2026/1/23	2029/1/22

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Please refer to the below plots.

After pre-scan in the X, Y and Z axes of orientation, the worst case(Y) is refer to the below plots.

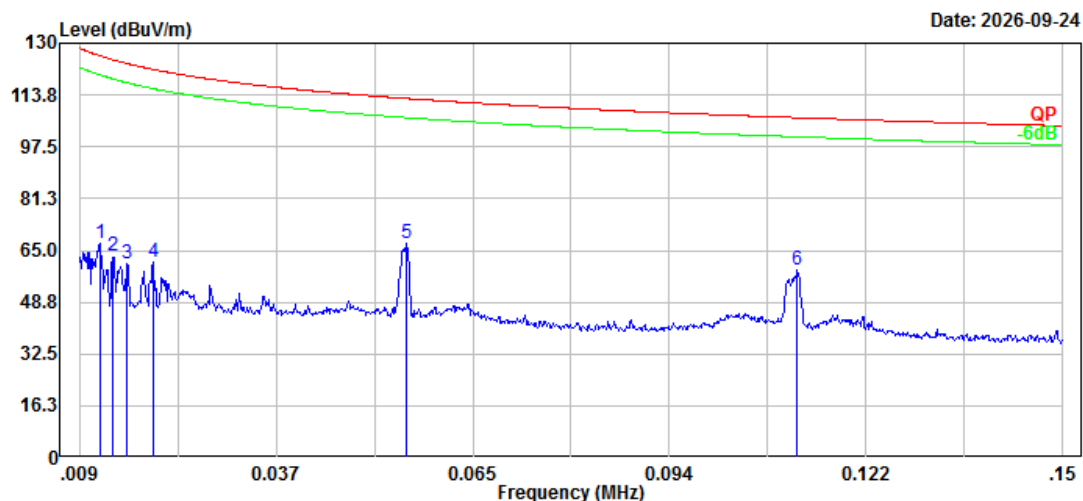
Note: BLE 1M High channel was tested.

9kHz~30MHz

Three antenna orientations (parallel, perpendicular, and ground-parallel) was measured, the worst orientations was below:

Project No.: 2502Q44141E-RF-A1
Polarization: Parallel
Test Mode: Transmitting
Note: BLE
RBW:200Hz,VBW:1kHz

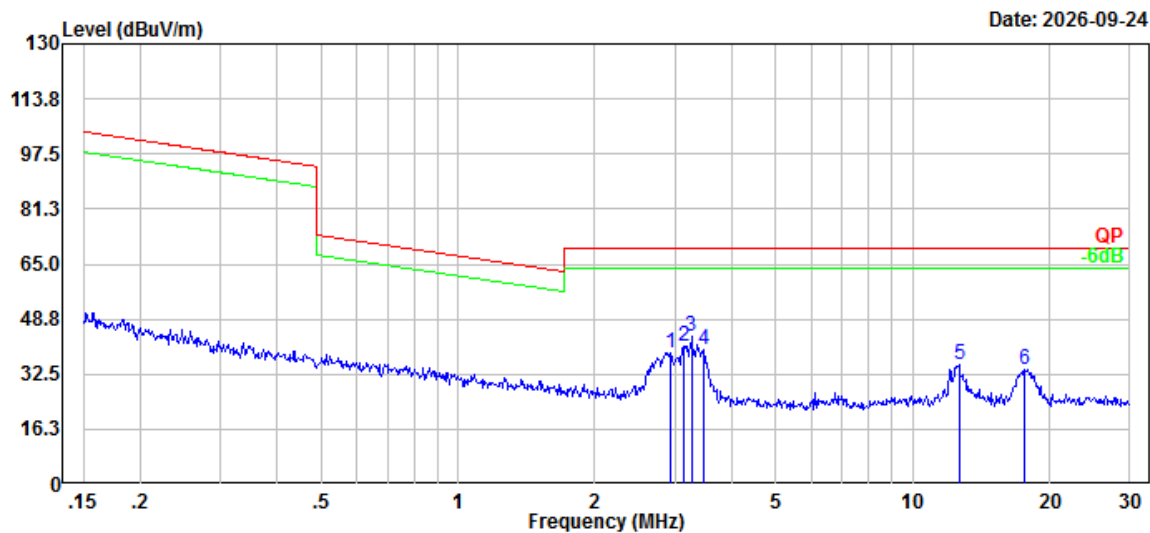
Serial No.: 3TKU-4
Tester: Mikey Lin



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.012	35.35	31.98	67.33	126.05	58.72	Peak
2	0.014	31.41	31.63	63.04	124.81	61.77	Peak
3	0.016	29.68	31.24	60.92	123.57	62.65	Peak
4	0.020	30.99	30.54	61.53	121.77	60.24	Peak
5	0.056	41.01	26.00	67.01	112.65	45.64	Peak
6	0.112	37.22	21.57	58.79	106.63	47.84	Peak

Project No.: 2502Q44141E-RF-A1
Polarization: Parallel
Test Mode: Transmitting
Note: BLE
RBW:9kHz,VBW:30kHz

Serial No.: 3TKU-4
Tester: Mikey Lin



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	2.931	39.78	-0.80	38.98	69.54	30.56	Peak
2	3.140	41.77	-0.95	40.82	69.54	28.72	Peak
3	3.258	44.53	-1.03	43.50	69.54	26.04	Peak
4	3.472	40.77	-1.18	39.59	69.54	29.95	Peak
5	12.649	37.19	-1.87	35.32	69.54	34.22	Peak
6	17.568	35.96	-1.98	33.98	69.54	35.56	Peak

30MHz-1GHz

Project No.: 2502Q44141E-RF-A1

Serial No.: 3TKU-4

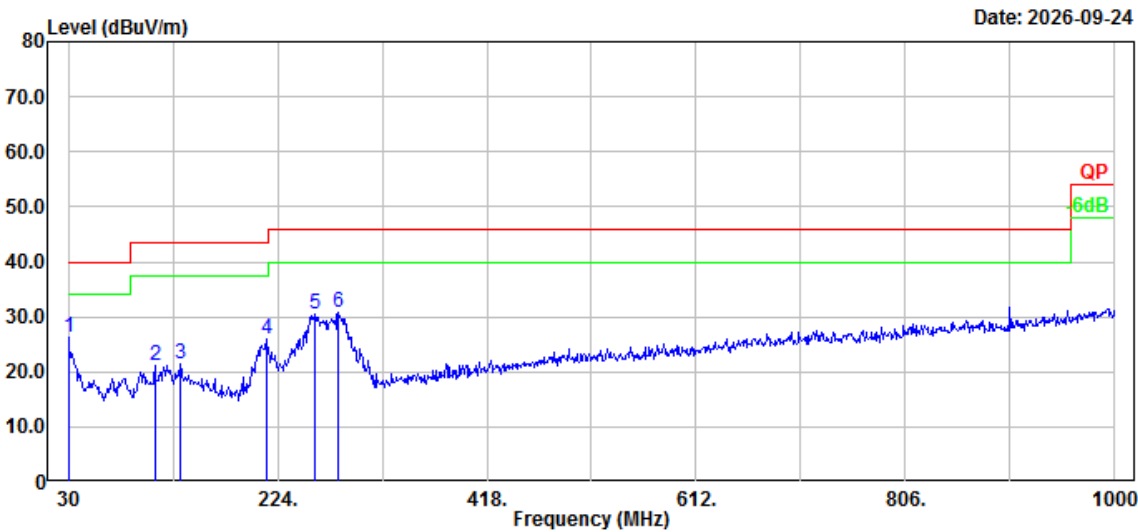
Polarization: Horizontal

Tester: Mikey Lin

Test Mode: Transmitting

Note: BLE

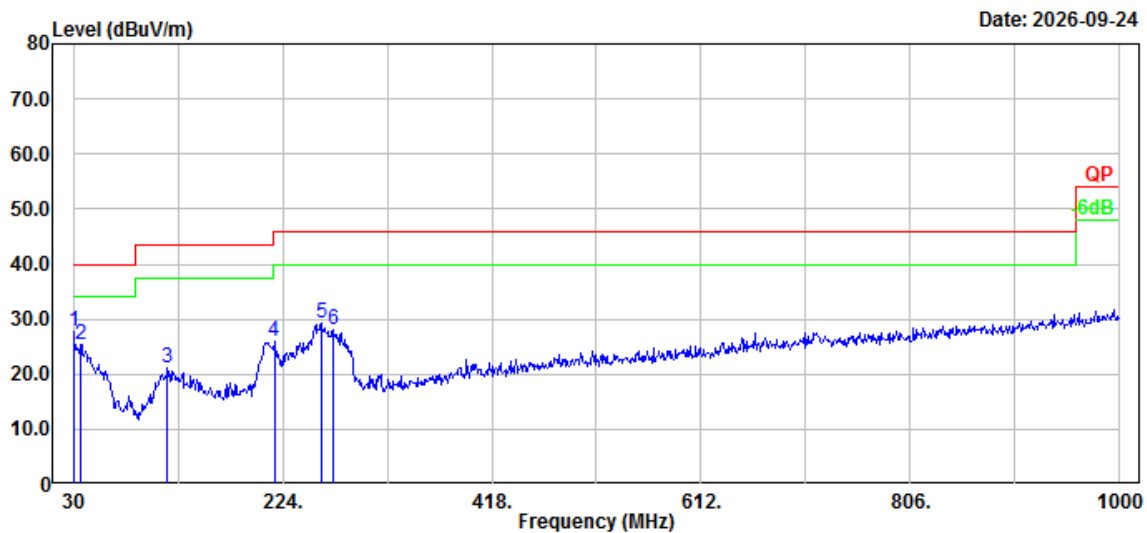
RBW:120kHz,VBW:500kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	30.000	27.20	-1.09	26.11	40.00	13.89	Peak
2	110.510	30.76	-9.59	21.17	43.50	22.33	Peak
3	133.790	30.45	-9.08	21.37	43.50	22.13	Peak
4	213.330	36.65	-10.63	26.02	43.50	17.48	Peak
5	257.950	40.80	-10.33	30.47	46.00	15.53	Peak
6	280.260	39.63	-8.94	30.69	46.00	15.31	Peak

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE
RBW:120kHz,VBW:500kHz

Serial No.: 3TKU-4
Tester: Mikey Lin



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	30.000	28.75	-1.09	27.66	40.00	12.34	Peak
2	36.790	31.56	-6.09	25.47	40.00	14.53	Peak
3	117.300	29.79	-8.77	21.02	43.50	22.48	Peak
4	216.240	36.56	-10.72	25.84	46.00	20.16	Peak
5	259.890	39.52	-10.21	29.31	46.00	16.69	Peak
6	270.560	37.34	-9.14	28.20	46.00	17.80	Peak

2) 1-25GHz:

Serial Number:	3TKU-4	Test Date:	2026/9/22
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Alan Xie	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.1	Relative Humidity: (%)	64	ATM Pressure: (kPa)	100.6
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	000 527 35	2026/9/4	2029/9/3
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2026/2/21	2029/2/20
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2025/11/14	2026/11/13
Xinhang Macrowave	Coaxial Cable	XH360A-2.92/J-2.92/J-6M-A	20231208001 #0001	2025/11/14	2026/11/13
AH	Preamplifier	PAM-0118P	469	2026/5/18	2027/5/17
AH	Preamplifier	PAM-1840VH	191	2026/7/8	2027/7/7
R&S	Spectrum Analyzer	FSV40	101944	2026/7/8	2027/7/7
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FSU	DS79902 & DS79905	2026/4/17	2027/4/16

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Please refer to the below plots.

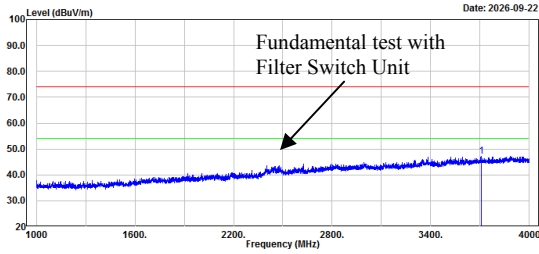
After pre-scan in the X, Y and Z axes of orientation, the worst case (Y) is refer to plots.

1-18GHz:

BLE 1M low channel Horizontal

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

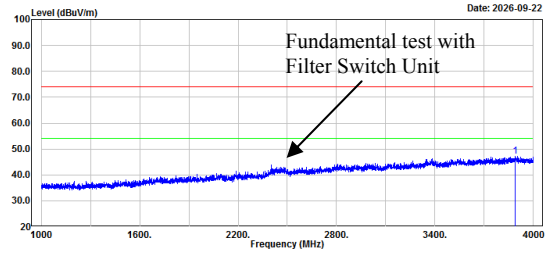


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3708.40	49.13	-1.99	47.14	74.00	26.86	Peak

BLE 1M low channel Vertical

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz

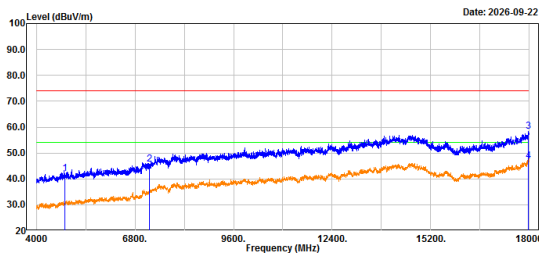
Serial No.: 3TKU-4
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3889.00	48.22	-1.17	47.05	74.00	26.95	Peak

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

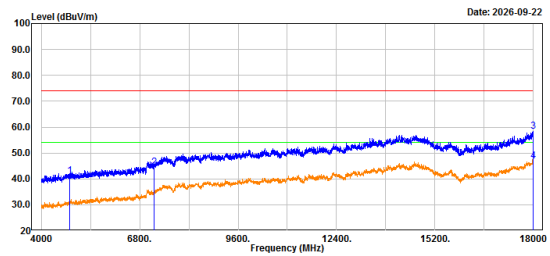
Serial No.: 3TKU-4
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4804.00	48.30	-6.25	42.05	74.00	31.95	Peak
2	7206.00	48.45	-2.72	45.73	74.00	28.27	Peak
3	17969.20	49.27	9.12	58.39	74.00	15.61	Peak
4	17969.20	37.73	9.12	46.85	54.00	7.15	Average

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3TKU-4
Tester: Alan Xie

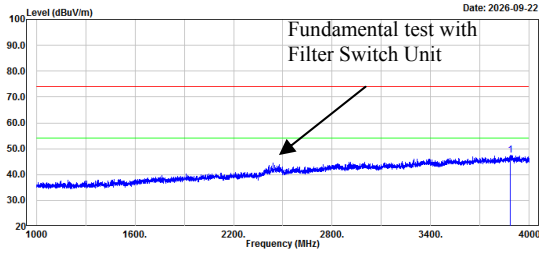


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4804.00	47.32	-6.25	41.07	74.00	32.93	Peak
2	7206.00	47.27	-2.72	44.55	74.00	29.45	Peak
3	17988.80	49.10	9.25	58.35	74.00	15.65	Peak
4	17988.80	37.65	9.25	46.90	54.00	7.10	Average

BLE 1M middle channel Horizontal

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M middle channel 2440MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

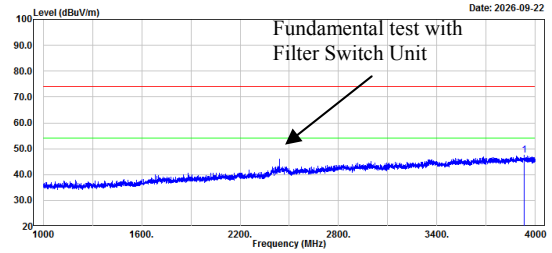


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3881.80	48.77	-1.34	47.43	74.00	26.57	Peak

BLE 1M middle channel Vertical

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M middle channel 2440MHz
Peak:RBW:1MHz,VBW:3MHz

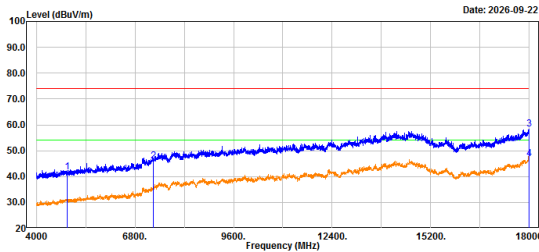
Serial No.: 3TKU-4
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3930.40	48.77	-1.29	47.48	74.00	26.52	Peak

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M middle channel 2440MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

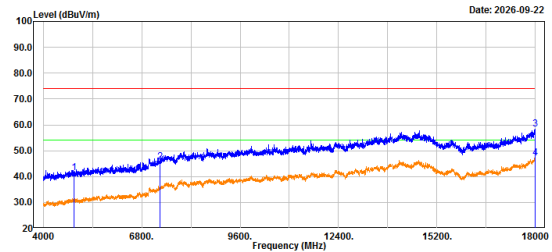
Serial No.: 3TKU-4
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4880.00	47.82	-6.09	41.73	74.00	32.27	Peak
2	7320.00	48.30	-2.26	46.04	74.00	27.96	Peak
3	17997.20	48.87	9.46	58.33	74.00	15.67	Peak
4	17997.20	37.46	9.46	46.92	54.00	7.08	Average

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M middle channel 2440MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3TKU-4
Tester: Alan Xie



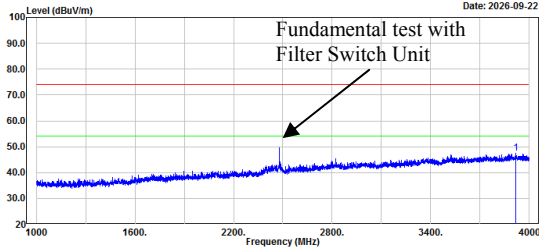
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4880.00	47.44	-6.09	41.35	74.00	32.65	Peak
2	7320.00	47.95	-2.26	45.69	74.00	28.31	Peak
3	17994.40	48.91	9.39	58.30	74.00	15.70	Peak
4	17994.40	37.63	9.39	47.02	54.00	6.98	Average

BLE 1M high channel Horizontal

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

Date: 2026-09-22



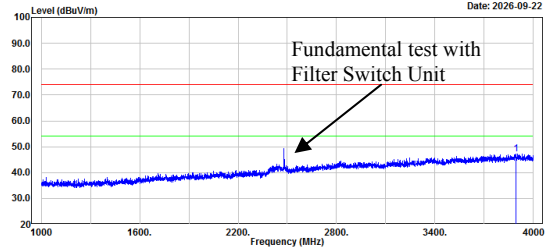
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3915.40	48.77	-1.29	47.48	74.00	26.52	Peak

BLE 1M high channel Vertical

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

Date: 2026-09-22

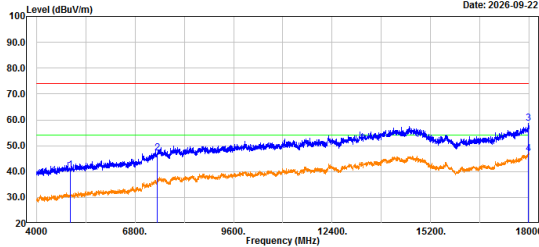


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3894.40	48.30	-1.08	47.22	74.00	26.78	Peak

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3TKU-4
Tester: Alan Xie

Date: 2026-09-22

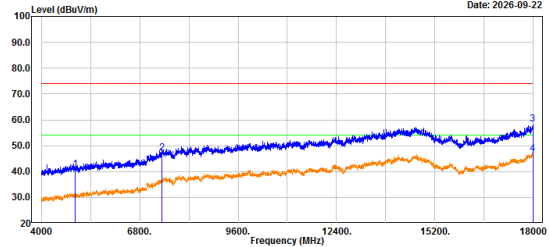


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4960.00	46.64	-5.97	40.67	74.00	33.33	Peak
2	7440.00	48.90	-1.79	47.11	74.00	26.89	Peak
3	17969.20	49.47	9.12	58.59	74.00	15.41	Peak
4	17969.20	37.85	9.12	46.97	54.00	7.03	Average

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3TKU-4
Tester: Alan Xie

Date: 2026-09-22



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4960.00	46.71	-5.97	40.74	74.00	33.26	Peak
2	7440.00	49.03	-1.79	47.24	74.00	26.76	Peak
3	17980.40	49.28	9.19	58.47	74.00	15.53	Peak
4	17980.40	37.79	9.19	46.98	54.00	7.02	Average

18-25GHz:

No Emission was detected in the range 18-25GHz, test was performed on the mode and channel which with the maximum power.

BLE 1M high channel Horizontal				BLE 1M high channel Vertical			
Project No.: 2502Q44141E-RF-A1 Polarization: Horizontal Test Mode: Transmitting Note: BLE Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz Serial No.: 3TKU-4 Tester: Alan Xie Date: 2026-09-22				Project No.: 2502Q44141E-RF-A1 Polarization: Vertical Test Mode: Transmitting Note: BLE Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz Serial No.: 3TKU-4 Tester: Alan Xie Date: 2026-09-22			
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	22538.80	46.88	7.31	54.19	74.00	19.81	Peak
2	22538.80	34.37	7.31	41.68	54.00	12.32	Average

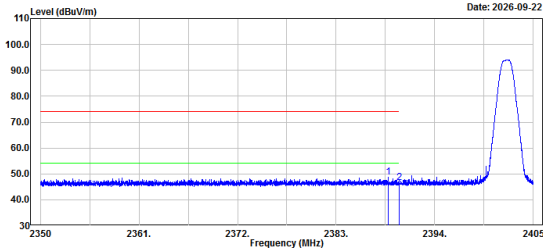
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	24147.40	46.11	8.48	54.59	74.00	19.41	Peak
2	24147.40	34.54	8.48	43.02	54.00	10.98	Average

Bandedge:

BLE 1M low channel Bandedge Horizontal

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

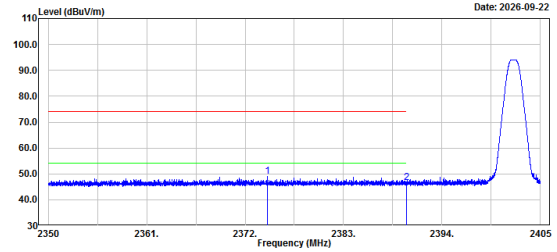


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2388.84	49.16	-0.57	48.59	74.00	25.41	Peak
2	2390.00	47.30	-0.57	46.73	74.00	27.27	Peak

BLE 1M low channel Bandedge Vertical

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M low channel 2402MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

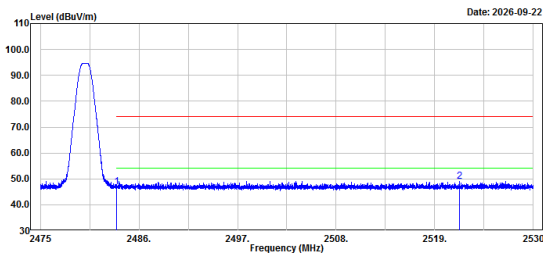


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2374.51	49.46	-0.59	48.87	74.00	25.13	Peak
2	2390.00	47.31	-0.57	46.74	74.00	27.26	Peak

BLE 1M High channel Bandedge Horizontal

Project No.: 2502Q44141E-RF-A1
Polarization: Horizontal
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie

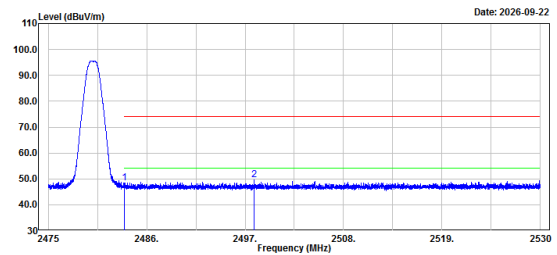


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2483.50	47.42	-0.43	46.99	74.00	27.01	Peak
2	2521.72	49.47	-0.34	49.13	74.00	24.87	Peak

BLE 1M High channel Bandedge Vertical

Project No.: 2502Q44141E-RF-A1
Polarization: Vertical
Test Mode: Transmitting
Note: BLE 1M high channel 2480MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3TKU-4
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2483.50	48.96	-0.43	48.53	74.00	25.47	Peak
2	2498.03	49.95	-0.42	49.53	74.00	24.47	Peak

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502Q44141E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2502Q44141E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502Q44141E-RF-00AA1-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

RF Exposure Evaluation

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

The max conducted power including tune-up tolerance is 0.5dBm (1.12 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= 1.12/5 \cdot (\sqrt{2.480}) = 0.4 < 3.0$

Note: the max conducted power including tune-up tolerance was declared by manufacturer.

Result: Compliant. The stand-alone SAR evaluation is not necessary.

***** END OF REPORT *****