中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **INFINIX MOBILITY LIMITED**

Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

FCC ID: **2AIZN-X6858**

Product Name: **Mobile Phone**

Standard(s): **47 CFR Part 15, Subpart C(15.247)**
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

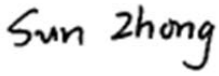
The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: **2403Y36748E-RF-00B**

Date Of Issue: **2024/12/9**

Reviewed By: **Calvin Chen**
Title: RF Engineer

Approved By: **Sun Zhong**
Title: Manager



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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang 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. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "▲". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2403Y36748E-RF-00B	Original Report	2024/12/9

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Mobile Phone
EUT Model:	X6858
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted):	4.93 dBm
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK
Rated Input Voltage:	DC 3.91V from battery or DC 5V/5-10V/11V charging from adapter
Sample Number:	CE&RE: 2TEK-1(Type 1), 2TEK-3(Type 2) RF: 2TEK-2(Type 1)
EUT Received Date:	2024/10/23
EUT Received Status:	Good
Note: The EUT has two configurations that Type 1 and Type 2 are electrically identical. Please refer to the declaration letter for more detail, which was provided by manufacturer. Conducted emissions test and radiated emissions below 1 GHz test performs on all configurations, other test item only performs on Type 1 configurations.	

Operation Frequency Detail:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	41	2443
…	…	…	…
…	…	…	…
…	…	78	2480
39	2441		

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2402
Middle	2441
Highest	2480

Antenna Information Detail▲:

Antenna	Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
ANT14(Chain 0)	IFA	50	2400-2500	-3.9
ANT13(Chain 1)	IFA	50	2400-2500	-2.32

The Method of §15.203 Compliance either:

☒ Antenna was permanently attached to the unit.

☐ Antenna use a unique type of connector to attach to the EUT.

☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Accessory Information:

Accessory Description	Manufacturer	Model
Adapter	Infinix	U450XSB

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
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
GFSK(DH1)	6	6	6
π/4-DQPSK(2DH1)	6	6	6
8DPSK(3DH1)	6	6	6

Note: The device has two antennas, and only support SISO mode.

1.2.2 Support Equipment List and Details

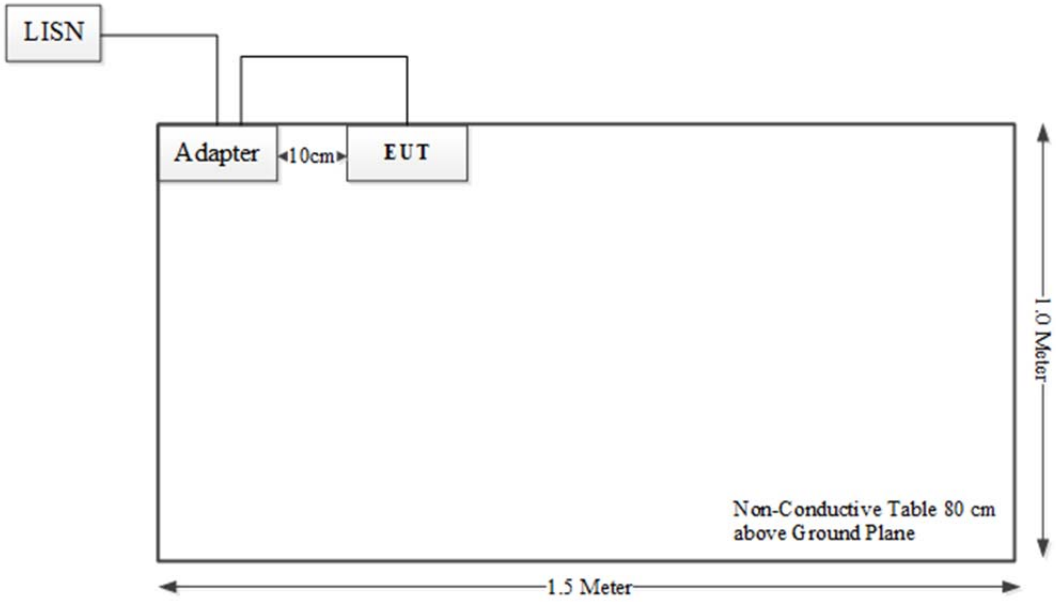
Manufacturer	Description	Model	Serial Number
Infinix	Adapter	U450XSB	KX07019454805
Infinix	Earphone	Unknown	Unknown
DongFeng	Phone	P3	UP3_BSGF187E000165

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	No	No	1	Adapter	EUT
Type-C To Type-C Cable	No	No	1.2	EUT	Phone
Earphone Cable	No	No	1.2	EUT	Earphone

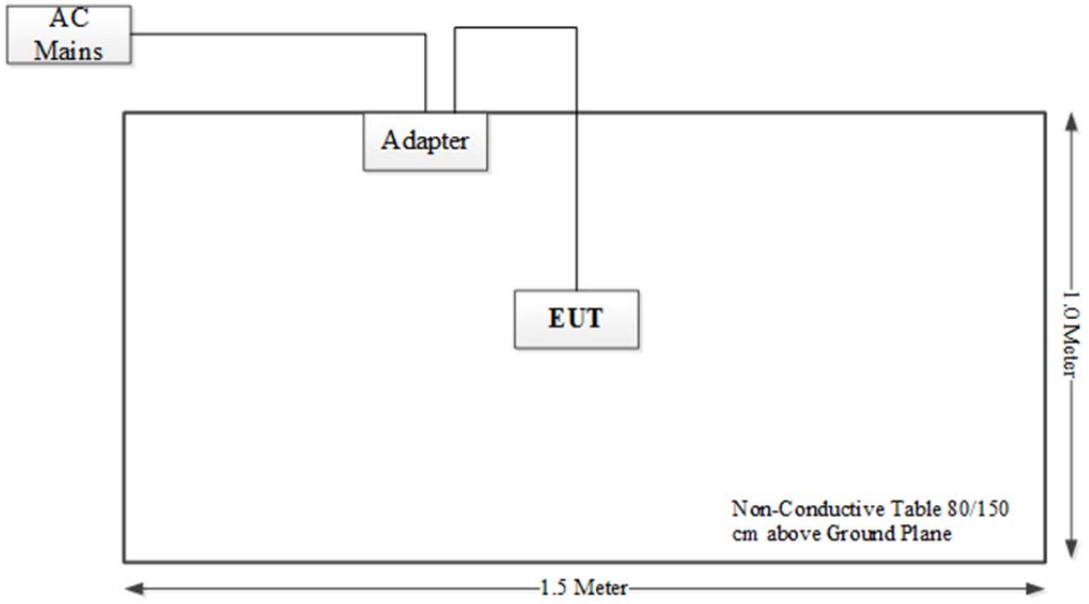
1.2.4 Block Diagram of Test Setup

AC line conducted emissions:

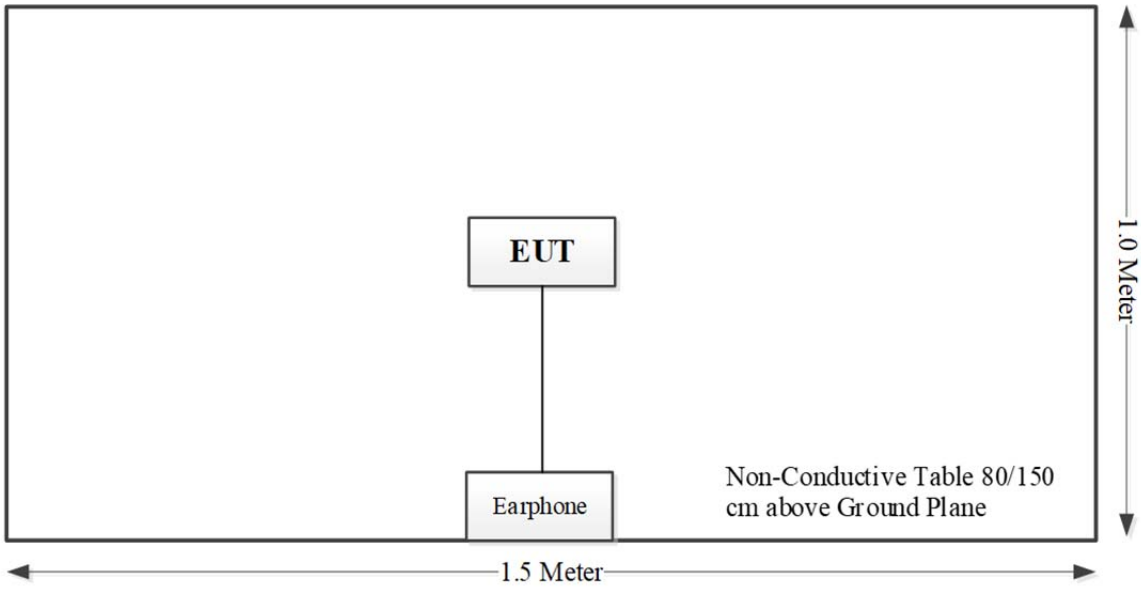


Spurious Emissions:

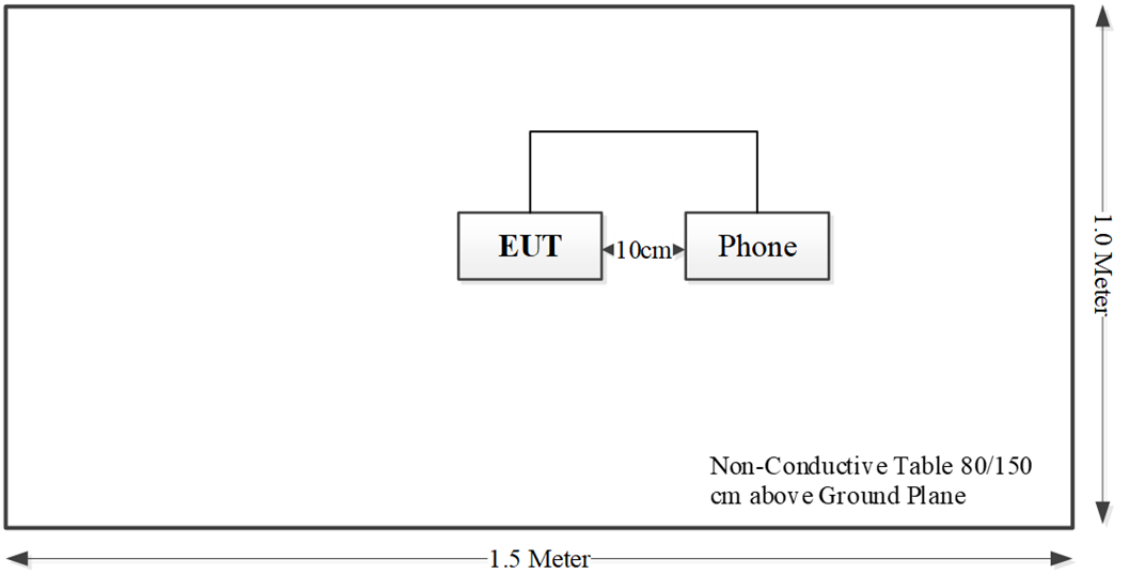
Adapter



Earphone:



Reverse Wired Charging



1.3 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	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9k~30MHz: 4.12dB, 30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G:5.47 dB, 26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	PASS
FCC §15.207(a)	AC Line Conducted Emissions	PASS
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious Emission	PASS
FCC §15.247(a)(1)	20 dB Emission Bandwidth	PASS
FCC §15.247(a)(1)	Channel Separation	PASS
FCC §15.247(a)(1)(iii)	Number of Hopping Frequency	PASS
FCC §15.247(a)(1)(iii)	Time of Occupancy (dwell time)	PASS
FCC §15.247(b)(1)	Maximum Conducted Output Power	PASS
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	PASS
FCC §1.1307&§2.1093&§15.247 (i)	RF Exposure	PASS

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 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 μH/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.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	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:

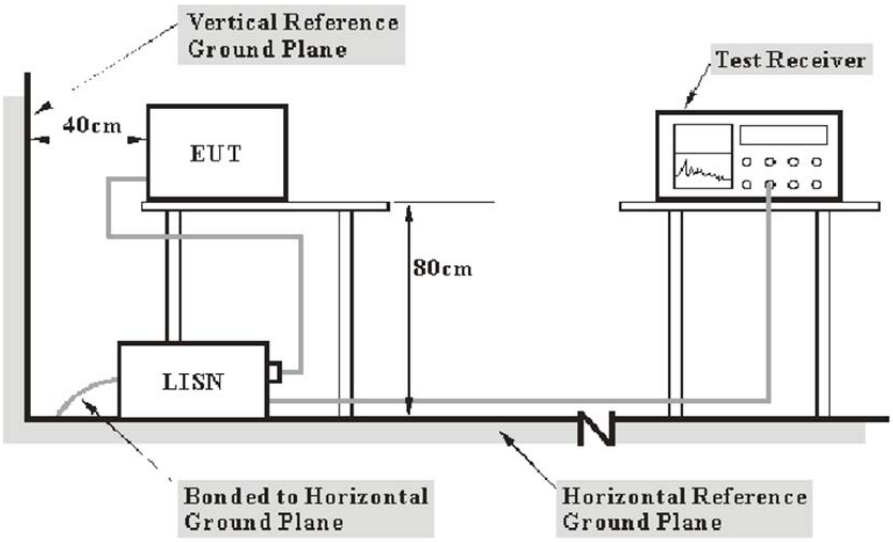
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/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.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10cm.

3.1.3 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

3.1.4 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.

3.1.5 Corrected Amplitude & 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

3.2 Radiated Spurious Emissions

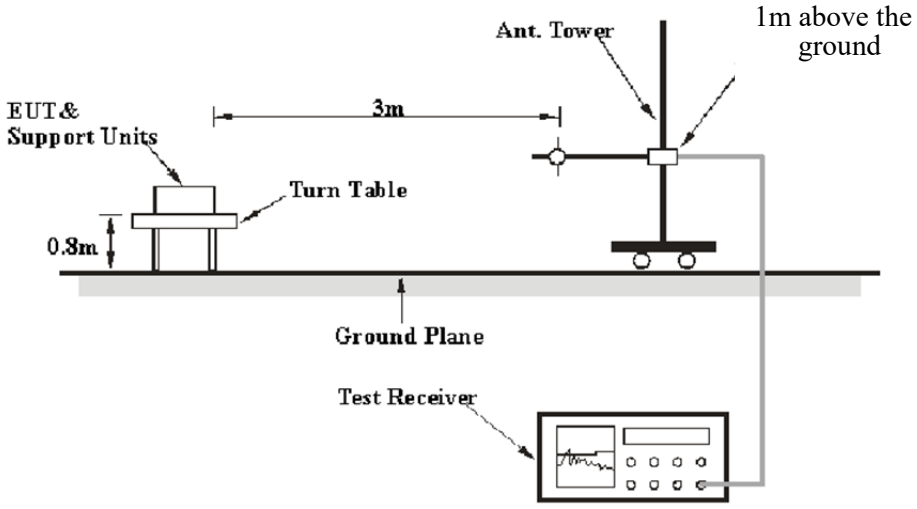
3.2.1 Applicable Standard

FCC §15.247 (d);

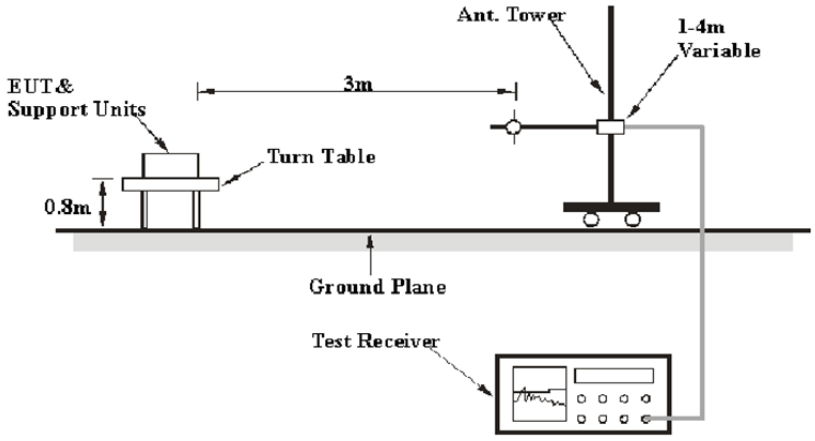
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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)).

3.2.2 EUT Setup

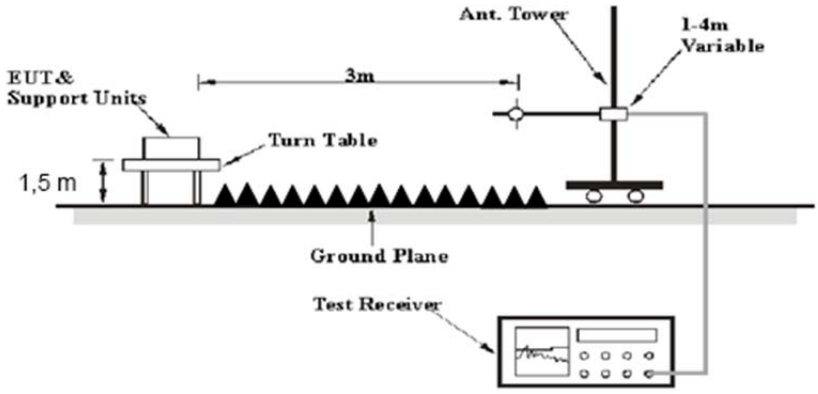
9kHz - 30MHz:



30MHz - 1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle.

The spacing between the peripherals was 10cm.

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.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	/	PK
	/	/	200 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	/	PK
	/	/	9 kHz	QP/AV
30MHz – 1000 MHz	120 kHz	300 kHz	/	PK
	/	/	120kHz	QP

1GHz – 25GHz:
Pre-scan:

Measurement	RBW	Video B/W
PK	1MHz	3 MHz
AV	1MHz	5 kHz

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W
PK	1MHz	3 MHz
AV	1MHz	10 Hz

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

The spurious emissions which below the limit more than 20dB was not be recorded.

3.2.4 Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9–90 kHz, 110–490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

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

3.2.5 Corrected Amplitude & Margin Calculation

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:

Margin = Limit – Result

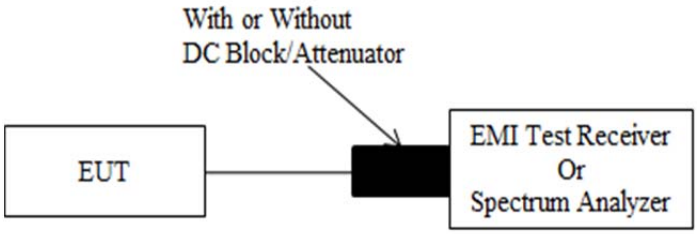
3.3 20 dB Emission Bandwidth

3.3.1 Applicable Standard

FCC §15.247 (a)(1)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

3.3.2 EUT Setup



3.3.3 Test Procedure

According to ANSI C63.10-2013 Section 6.9.2

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2
d) Steps a) through c) might require iteration to adjust within the specified tolerances.
e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "−xx dB down" requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
f) Set detection mode to peak and trace mode to max hold.
g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

h) Determine the "−xx dB down amplitude" using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.
i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).

j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "−xx dB down amplitude" determined in step h). If a marker is below this "−xx dB down amplitude" value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "−xx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

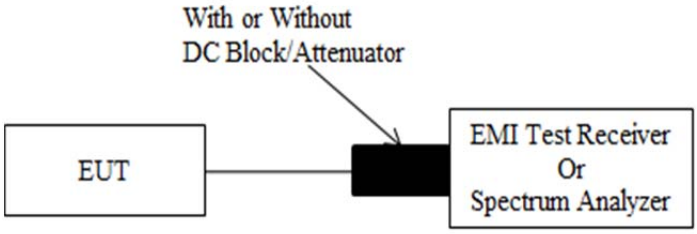
3.4 Channel Separation

3.4.1 Applicable Standard

FCC §15.247 (a)(1)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

3.4.2 EUT Setup



3.4.3 Test Procedure

According to ANSI C63.10-2013 Section 7.8.2

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a) Span: Wide enough to capture the peaks of two adjacent channels.
b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
c) Video (or average) bandwidth (VBW) ≥ RBW.
d) Sweep: Auto.
e) Detector function: Peak.
f) Trace: Max hold.
g) Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A plot of the data shall be included in the test report.

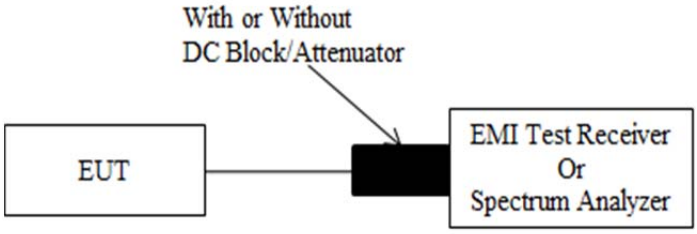
3.5 Number Of Hopping Frequency

3.5.1 Applicable Standard

FCC §15.247 (a)(1)(iii)

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.5.2 EUT Setup



3.5.3 Test Procedure

According to ANSI C63.10-2013 Section 7.8.3

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a) Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
c) VBW ≥ RBW.
d) Sweep: Auto.
e) Detector function: Peak.
f) Trace: Max hold.
g) Allow the trace to stabilize

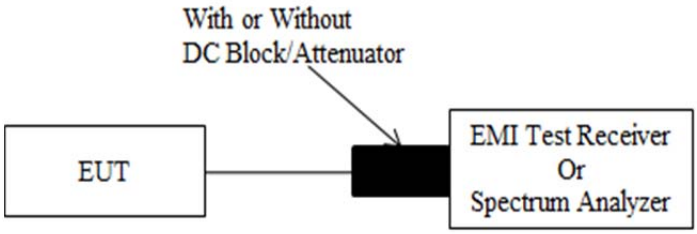
It might prove necessary to break the span up into sub ranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report.

3.6 Time Of Occupancy(Dwell Time)

3.6.1 Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.6.2 EUT Setup



3.6.3 Test Procedure

According to ANSI C63.10-2013 Section 7.8.4

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:
a) Span: Zero span, centered on a hopping channel.
b) RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / *T*, where *T* is the expected dwell time per channel.
c) Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
d) Detector function: Peak.
e) Trace: Max hold.

Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.

Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) =
(number of hops on spectrum analyzer) × (period specified in the requirements / analyzer sweep time)

The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements. If the number of hops in a specific time varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation.
The measured transmit time and time between hops shall be consistent with the values described in the operational description for the EUT.

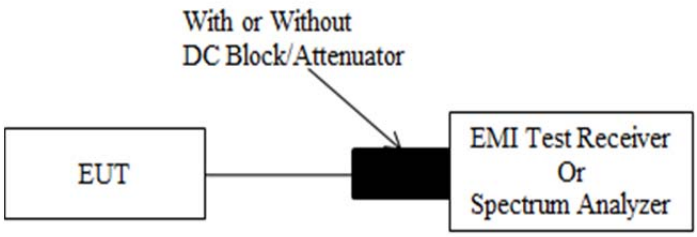
3.7 Maximum Conducted Output Power

3.7.1 Applicable Standard

FCC §15.247 (b)(1)

For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band:0.125watts

3.7.2 EUT Setup



3.7.3 Test Procedure

According to ANSI C63.10-2013 Section 7.8.5

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation, Offset the Insertion loss of the RF cable, DC Block/ Attenuator into the spectrum analyzer. The hopping shall be disabled for this test:

a) Use the following spectrum analyzer settings:
1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
2) RBW > 20 dB bandwidth of the emission being measured.
3) VBW ≥ RBW.
4) Sweep: Auto.
5) Detector function: Peak.
6) Trace: Max hold.
b) Allow trace to stabilize.
c) Use the marker-to-peak function to set the marker to the peak of the emission.
d) The indicated level is the peak output power, after any corrections for external attenuators and cables.
e) A plot of the test results and setup description shall be included in the test report.

NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

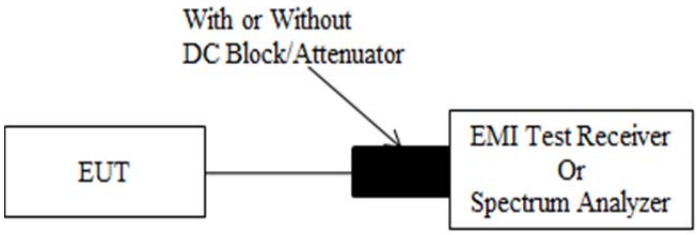
3.8 100 kHz Bandwidth Of Frequency Band Edge

3.8.1 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)).

3.8.2 EUT Setup



3.8.3 Test Procedure

According to ANSI C63.10-2013 Section 7.8.6

For band-edge measurements, use the band-edge procedure in 6.10. Band-edge measurements shall be tested both on single channels, and with the EUT hopping.

a) Set the center frequency and span to encompass frequency range to be measured.
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ [3 × RBW].
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the peak marker function to determine the maximum amplitude level.
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements. Report the three highest emissions relative to the limit.

3.9 Antenna Requirement

3.9.1 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.

3.9.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	2TEK-1,2TEK-3	Test Date:	2024/11/1-2024/12/4
Test Site:	CE	Test Mode:	Transmitting (maximum conducted output power mode, chain 0 GFSK middle channel)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.1-25.6	Relative Humidity: (%)	50-52	ATM Pressure: (kPa)	100.9-101.4

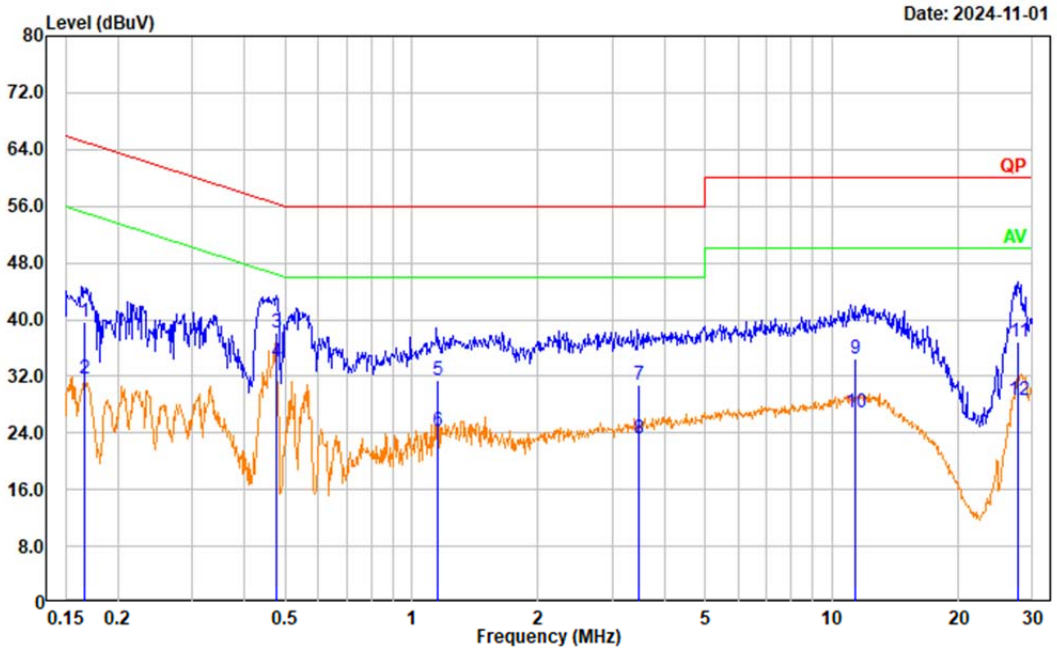
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2024/4/1	2025/3/31
R&S	EMI Test Receiver	ESR3	103104	2024/5/10	2025/5/9
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2024/1/15	2025/1/14
Audix	Test Software	E3	191218 (V9)	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

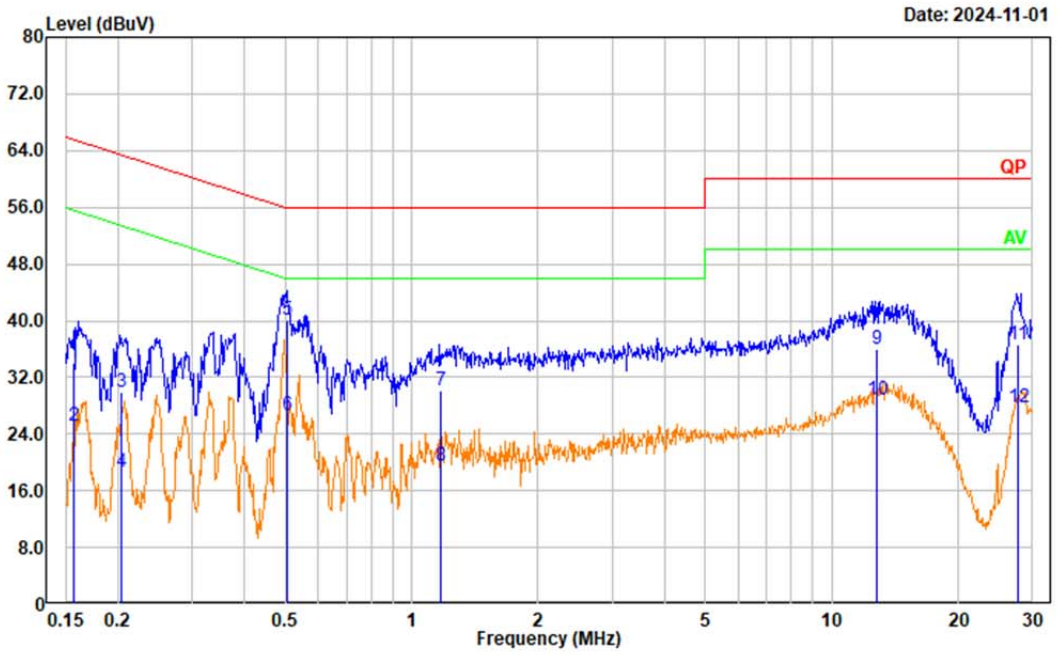
Type 1

Project No.: 2403Y36748E-RF
Tester: David Huang
Port: Line
Note: Transmitting(BT)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.167	29.46	10.21	39.67	65.12	25.45	QP
2	0.167	21.54	10.21	31.75	55.12	23.37	Average
3	0.476	27.77	10.47	38.24	56.40	18.16	QP
4	0.476	23.63	10.47	34.10	46.40	12.30	Average
5	1.151	20.79	10.67	31.46	56.00	24.54	QP
6	1.151	13.58	10.67	24.25	46.00	21.75	Average
7	3.482	20.55	10.29	30.84	56.00	25.16	QP
8	3.482	12.89	10.29	23.18	46.00	22.82	Average
9	11.344	24.21	10.26	34.47	60.00	25.53	QP
10	11.344	16.61	10.26	26.87	50.00	23.13	Average
11	27.755	26.97	9.91	36.88	60.00	23.12	QP
12	27.755	18.71	9.91	28.62	50.00	21.38	Average

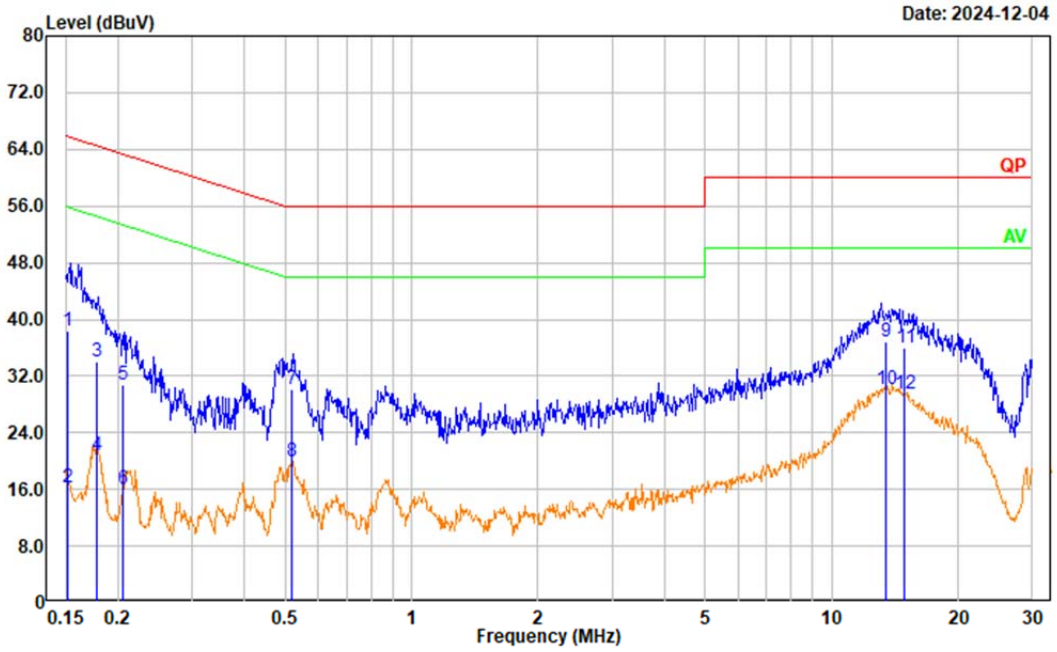
Project No.: 2403Y36748E-RF
Tester: David Huang
Port: neutral
Note: Transmitting(BT)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.157	23.57	10.51	34.08	65.60	31.52	QP
2	0.157	14.58	10.51	25.09	55.60	30.51	Average
3	0.204	19.40	10.51	29.91	63.46	33.55	QP
4	0.204	8.14	10.51	18.65	53.46	34.81	Average
5	0.506	29.52	10.59	40.11	56.00	15.89	QP
6	0.506	16.08	10.59	26.67	46.00	19.33	Average
7	1.173	19.63	10.42	30.05	56.00	25.95	QP
8	1.173	9.03	10.42	19.45	46.00	26.55	Average
9	12.748	25.76	10.22	35.98	60.00	24.02	QP
10	12.748	18.66	10.22	28.88	50.00	21.12	Average
11	27.725	26.38	10.22	36.60	60.00	23.40	QP
12	27.725	17.61	10.22	27.83	50.00	22.17	Average

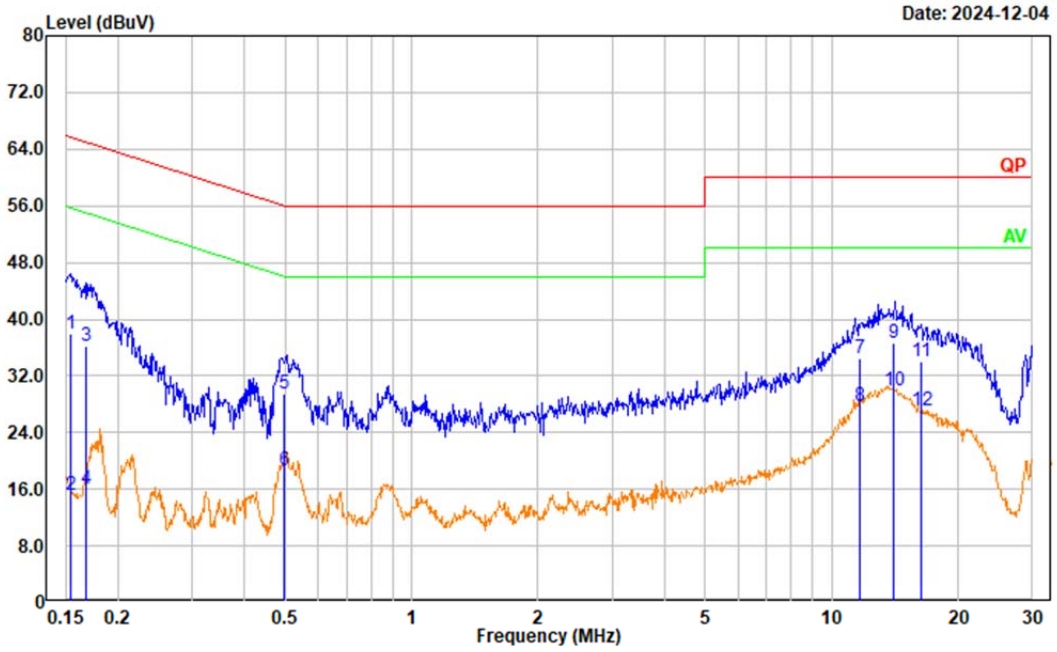
Type 2

Project No.: 2403Y36748E-RF
Tester: David Huang
Port: Line
Note: Transmitting (BT)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.152	27.88	10.39	38.27	65.89	27.62	QP
2	0.152	5.94	10.39	16.33	55.89	39.56	Average
3	0.178	23.87	10.19	34.06	64.59	30.53	QP
4	0.178	10.63	10.19	20.82	54.59	33.77	Average
5	0.206	20.76	10.02	30.78	63.37	32.59	QP
6	0.206	6.03	10.02	16.05	53.37	37.32	Average
7	0.520	19.70	10.53	30.23	56.00	25.77	QP
8	0.520	9.41	10.53	19.94	46.00	26.06	Average
9	13.500	26.69	10.17	36.86	60.00	23.14	QP
10	13.500	19.97	10.17	30.14	50.00	19.86	Average
11	14.913	25.82	10.20	36.02	60.00	23.98	QP
12	14.913	19.27	10.20	29.47	50.00	20.53	Average

Project No.: 2403Y36748E-RF
Tester: David Huang
Port: neutral
Note: Transmitting (BT)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.155	27.37	10.49	37.86	65.75	27.89	QP
2	0.155	4.71	10.49	15.20	55.75	40.55	Average
3	0.168	25.75	10.44	36.19	65.08	28.89	QP
4	0.168	5.51	10.44	15.95	55.08	39.13	Average
5	0.495	18.97	10.51	29.48	56.08	26.60	QP
6	0.495	8.12	10.51	18.63	46.08	27.45	Average
7	11.685	24.23	10.29	34.52	60.00	25.48	QP
8	11.685	17.57	10.29	27.86	50.00	22.14	Average
9	13.997	26.69	9.88	36.57	60.00	23.43	QP
10	13.997	19.98	9.88	29.86	50.00	20.14	Average
11	16.323	24.19	9.84	34.03	60.00	25.97	QP
12	16.323	17.36	9.84	27.20	50.00	22.80	Average

4.2 Radiated Spurious Emissions

4.2.1 9 kHz – 1 GHz:

Sample Number:	2TEK-1,2TEK-3	Test Date:	2024/11/7-2024/12/9
Test Site:	966-2	Test Mode:	Transmitting (maximum conducted output power mode, chain 0 GFSK middle channel)
Tester:	Roinin Fu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	21.5-25.6	Relative Humidity: (%)	54-56	ATM Pressure: (kPa)	100.8-101.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2024/1/11	2025/1/10
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2024/1/11	2025/1/10
R&S	EMI Test Receiver	ESR3	102724	2024/2/29	2025/2/28
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2023/12/4	2024/12/3
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2023/12/4	2024/12/3
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2024/12/3	2025/12/2
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2024/12/3	2025/12/2
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2024/6/11	2025/6/10
Sonoma	Amplifier	310N	186165	2023/12/4	2024/12/3
Sonoma	Amplifier	310N	186165	2024/12/3	2025/12/2
Audix	Test Software	E3	191218 (V9)	N/A	N/A

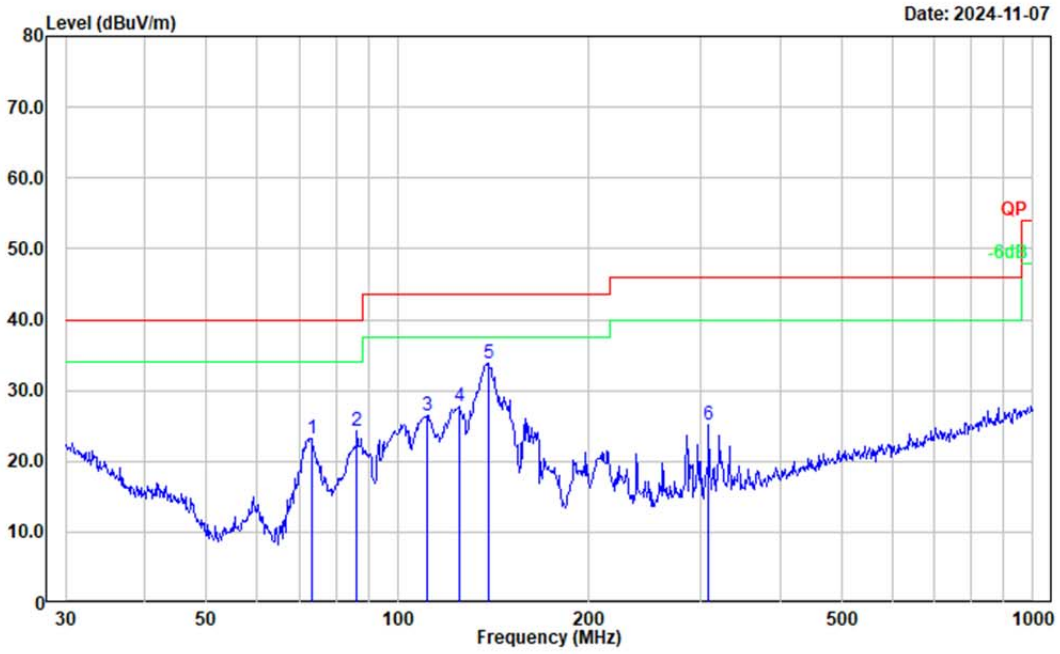
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to plots.
For 9kHz-30MHz, The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be reported.

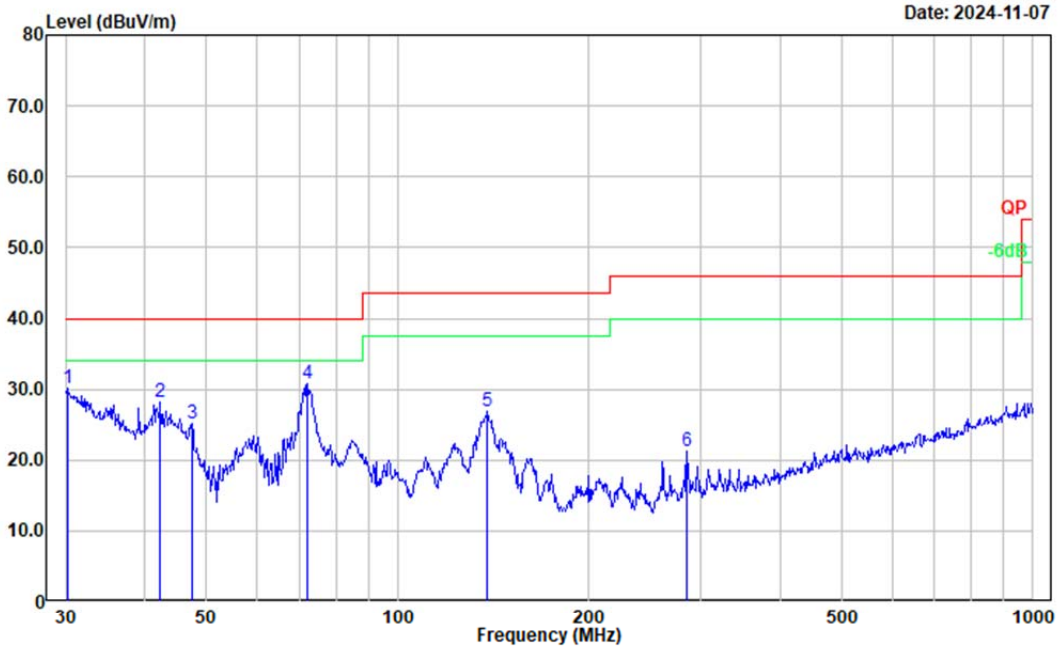
Type 1
Adapter:

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	73.103	40.35	-17.10	23.25	40.00	16.75	Peak
2	86.200	41.58	-17.21	24.37	40.00	15.63	Peak
3	111.347	38.61	-12.07	26.54	43.50	16.96	Peak
4	125.007	38.65	-10.99	27.66	43.50	15.84	Peak
5	138.874	45.72	-11.81	33.91	43.50	9.59	Peak
6	308.913	35.25	-10.19	25.06	46.00	20.94	Peak

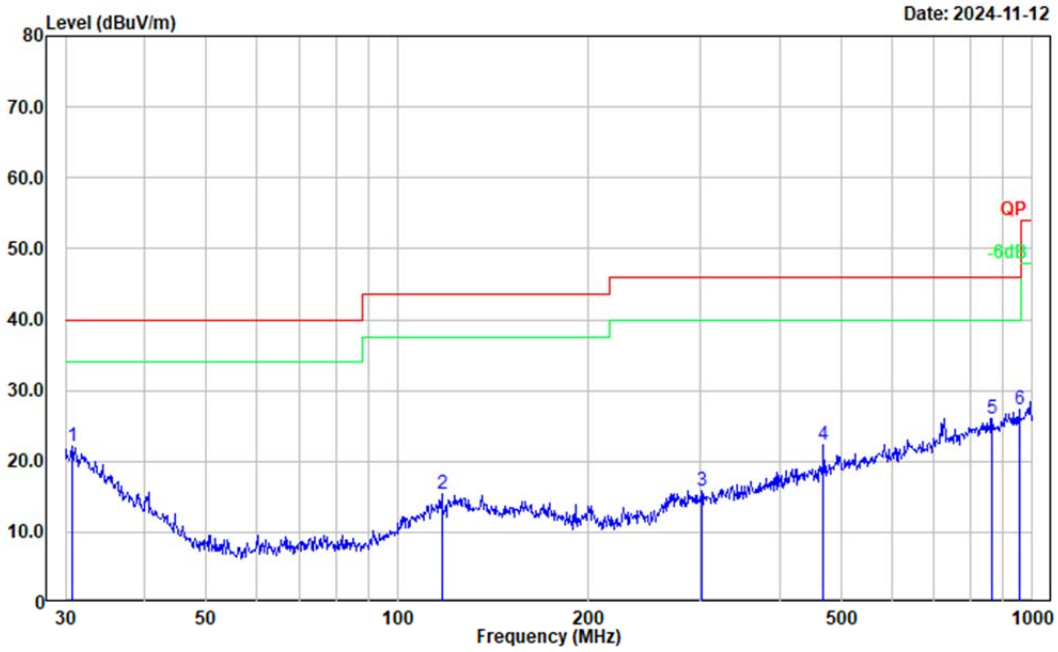
Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: vertical
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.211	34.14	-3.93	30.21	40.00	9.79	Peak
2	42.302	41.20	-12.92	28.28	40.00	11.72	Peak
3	47.492	41.42	-16.18	25.24	40.00	14.76	Peak
4	72.084	47.86	-17.17	30.69	40.00	9.31	Peak
5	138.387	38.57	-11.75	26.82	43.50	16.68	Peak
6	284.977	31.81	-10.58	21.23	46.00	24.77	Peak

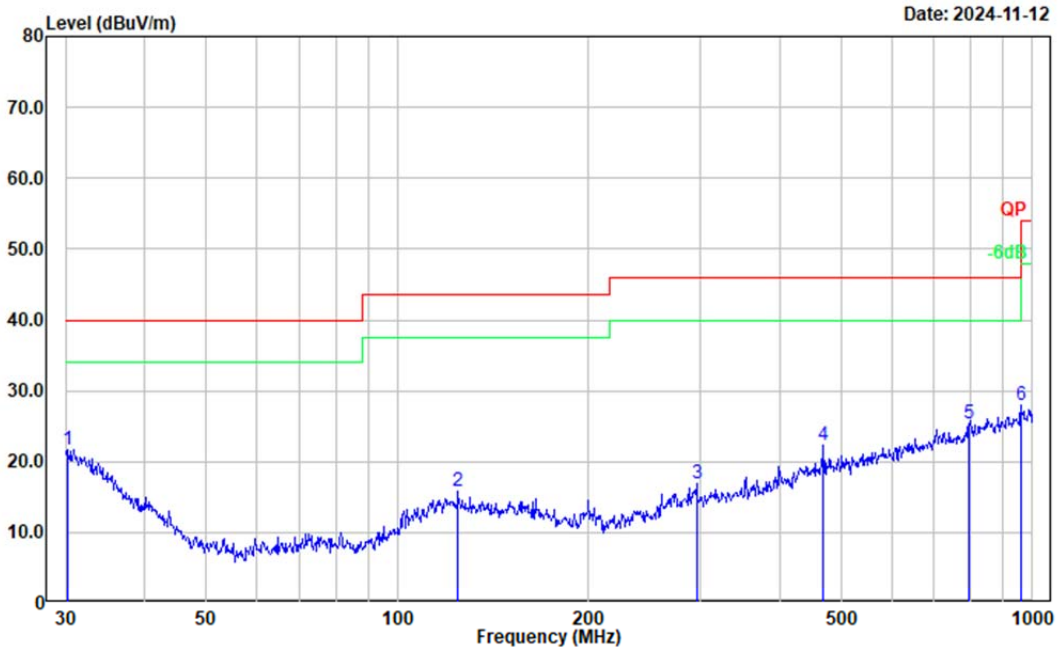
Earphones

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting Part 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	26.44	-4.25	22.19	40.00	17.81	Peak
2	117.360	26.95	-11.47	15.48	43.50	28.02	Peak
3	301.422	26.28	-10.36	15.92	46.00	30.08	Peak
4	468.876	28.55	-6.25	22.30	46.00	23.70	Peak
5	863.056	26.73	-0.61	26.12	46.00	19.88	Peak
6	952.094	26.44	0.87	27.31	46.00	18.69	Peak

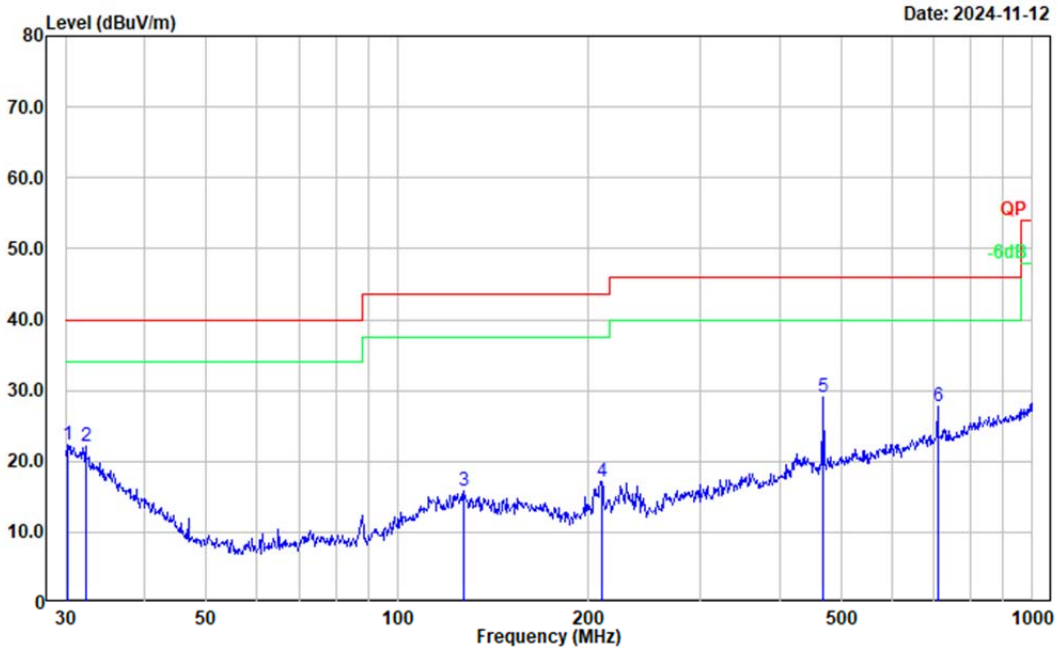
Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: Vertical
Note: Transmitting Part 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.317	25.66	-3.99	21.67	40.00	18.33	Peak
2	124.569	26.70	-10.95	15.75	43.50	27.75	Peak
3	296.184	27.44	-10.49	16.95	46.00	29.05	Peak
4	468.876	28.48	-6.25	22.23	46.00	23.77	Peak
5	793.396	26.90	-1.46	25.44	46.00	20.56	Peak
6	958.794	27.03	0.98	28.01	46.00	17.99	Peak

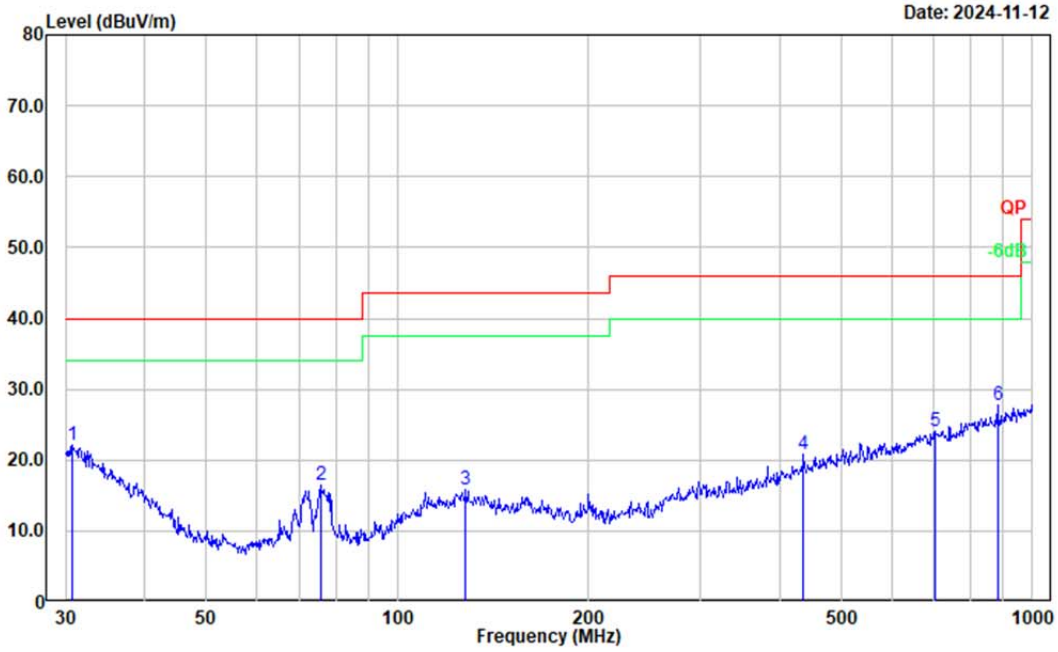
Wired reverse charge:

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting Part 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.211	26.28	-3.93	22.35	40.00	17.65	Peak
2	32.293	27.61	-5.44	22.17	40.00	17.83	Peak
3	127.218	26.93	-11.04	15.89	43.50	27.61	Peak
4	210.048	31.16	-13.96	17.20	43.50	26.30	Peak
5	468.876	35.39	-6.25	29.14	46.00	16.86	Peak
6	709.182	30.43	-2.77	27.66	46.00	18.34	Peak

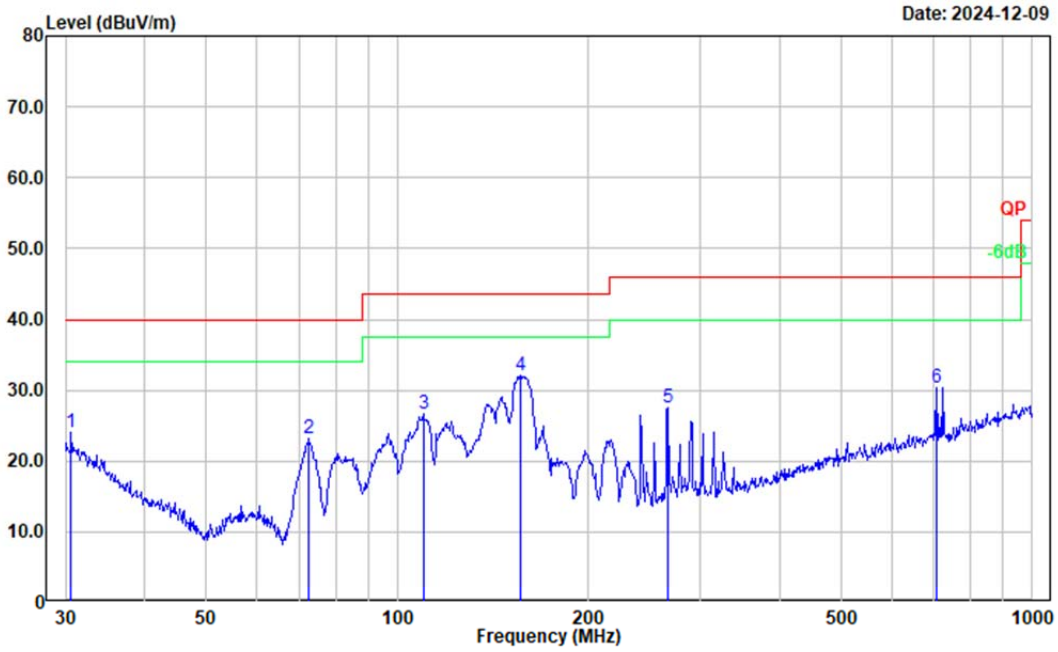
Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: vertical
Note: Transmitting Part 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	26.32	-4.25	22.07	40.00	17.93	Peak
2	75.711	33.51	-17.13	16.38	40.00	23.62	Peak
3	128.113	26.86	-11.12	15.74	43.50	27.76	Peak
4	435.590	27.88	-6.99	20.89	46.00	25.11	Peak
5	704.226	27.01	-2.87	24.14	46.00	21.86	Peak
6	881.407	28.11	-0.38	27.73	46.00	18.27	Peak

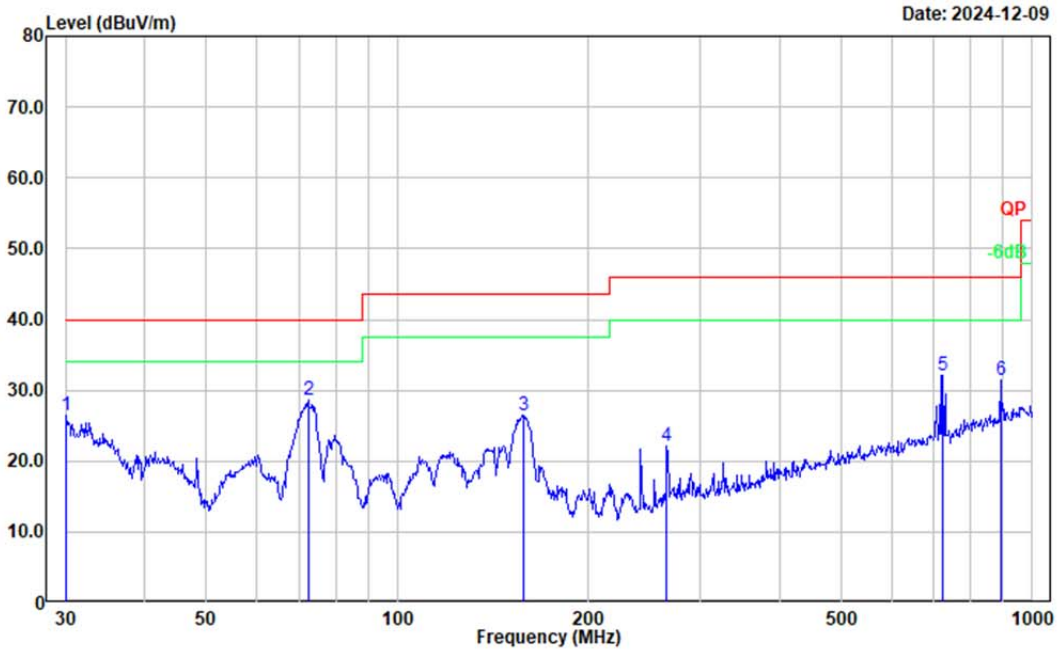
Type 2
Adapter:

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	28.15	-4.18	23.97	40.00	16.03	Peak
2	72.592	40.32	-17.13	23.19	40.00	16.81	Peak
3	109.796	38.98	-12.29	26.69	43.50	16.81	Peak
4	155.910	43.87	-11.87	32.00	43.50	11.50	Peak
5	266.609	38.60	-11.02	27.58	46.00	18.42	Peak
6	706.700	33.25	-2.81	30.44	46.00	15.56	Peak

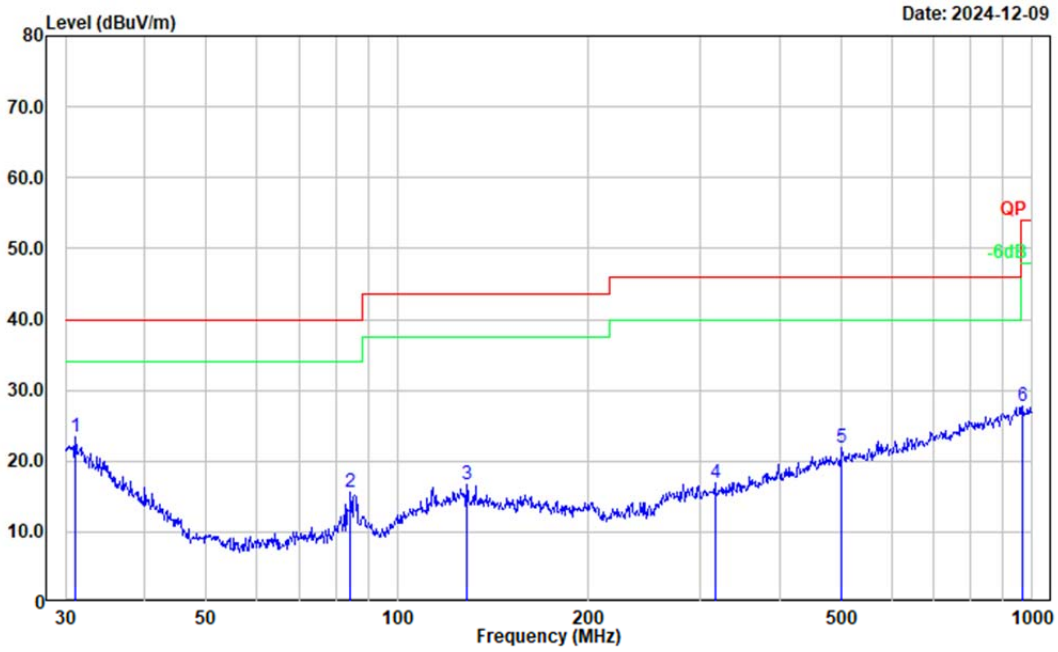
Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: vertical
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	30.28	-3.80	26.48	40.00	13.52	Peak
2	72.338	45.71	-17.15	28.56	40.00	11.44	Peak
3	158.112	38.36	-11.87	26.49	43.50	17.01	Peak
4	265.676	33.24	-11.05	22.19	46.00	23.81	Peak
5	724.261	34.83	-2.71	32.12	46.00	13.88	Peak
6	890.728	31.69	-0.22	31.47	46.00	14.53	Peak

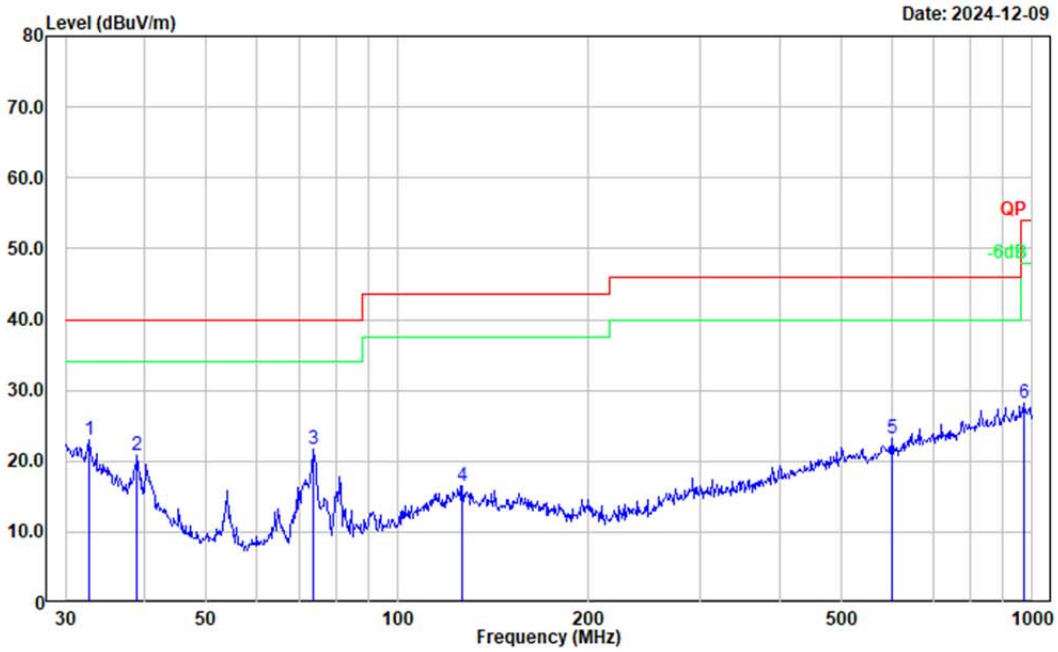
Earphones

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	27.83	-4.46	23.37	40.00	16.63	Peak
2	84.405	32.83	-17.19	15.64	40.00	24.36	Peak
3	128.563	27.84	-11.12	16.72	43.50	26.78	Peak
4	316.589	26.90	-10.05	16.85	46.00	29.15	Peak
5	501.179	27.76	-5.83	21.93	46.00	24.07	Peak
6	965.542	26.62	1.10	27.72	54.00	26.28	Peak

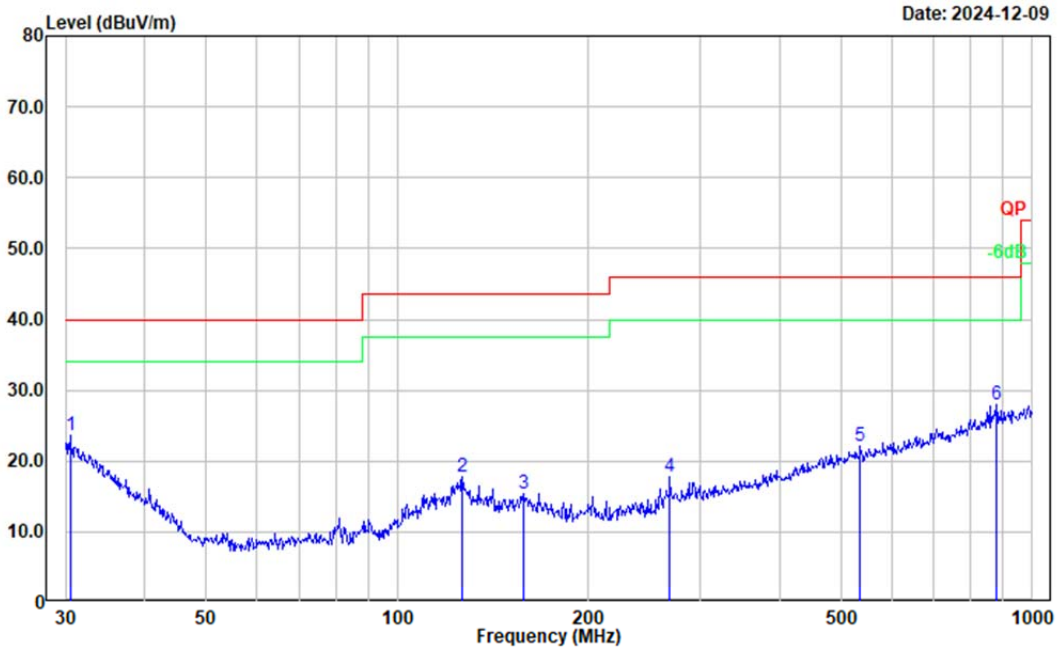
Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: vertical
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.749	28.74	-5.81	22.93	40.00	17.07	Peak
2	38.888	31.38	-10.53	20.85	40.00	19.15	Peak
3	73.876	38.87	-17.14	21.73	40.00	18.27	Peak
4	126.772	27.58	-11.03	16.55	43.50	26.95	Peak
5	601.427	27.78	-4.50	23.28	46.00	22.72	Peak
6	968.934	27.06	1.20	28.26	54.00	25.74	Peak

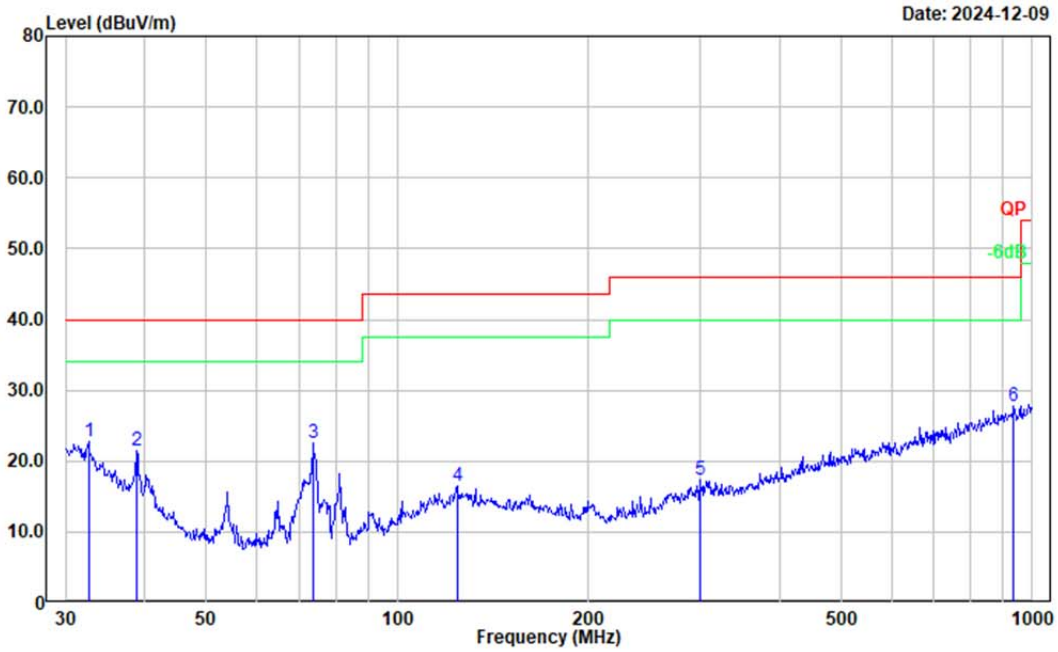
Wired reverse charge:

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: horizontal
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	27.83	-4.12	23.71	40.00	16.29	Peak
2	126.772	28.78	-11.03	17.75	43.50	25.75	Peak
3	158.112	27.30	-11.87	15.43	43.50	28.07	Peak
4	268.485	28.78	-10.94	17.84	46.00	28.16	Peak
5	535.707	27.46	-5.31	22.15	46.00	23.85	Peak
6	878.322	28.33	-0.42	27.91	46.00	18.09	Peak

Project No.: 2403Y36748E-RF
Tester: Roinin Fu
Polarization: vertical
Note: Transmitting 15.247_BT



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.634	28.38	-5.72	22.66	40.00	17.34	Peak
2	38.752	31.89	-10.42	21.47	40.00	18.53	Peak
3	73.617	39.71	-17.13	22.58	40.00	17.42	Peak
4	124.133	27.36	-10.89	16.47	43.50	27.03	Peak
5	299.316	27.80	-10.40	17.40	46.00	28.60	Peak
6	935.546	27.20	0.59	27.79	46.00	18.21	Peak

4.2.2 1GHz – 25 GHz:

Sample Number	2TEK-1	Test Date:	2024/11/4
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Mack Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.9	Relative Humidity: (%)	58	ATM Pressure: (kPa)	100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2024/4/1	2025/3/31
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2024/1/15	2025/1/14
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2024/1/15	2025/1/14
BACL	Preamplifier	1313-A20M18G	4032311	2024/4/1	2025/3/31
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2024/1/15	2025/1/14
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2024/1/15	2025/1/14
JD	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2024/8/5	2025/8/4
JD	Filter Switch Unit	DT7220FSU	DQ77928	2024/8/5	2025/8/4

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data(Adapter was the worst):

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Chain 0

BDR Mode(GFSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.61	PK	H	8.50	42.11	74.00	31.89
4804.000	21.43	AV	H	8.50	29.93	54.00	24.07
4804.000	33.85	PK	V	8.50	42.35	74.00	31.65
4804.000	21.76	AV	V	8.50	30.26	54.00	23.74
7206.000	34.21	PK	H	11.39	45.60	74.00	28.40
7206.000	22.03	AV	H	11.39	33.42	54.00	20.58
7206.000	34.17	PK	V	11.39	45.56	74.00	28.44
7206.000	22.41	AV	V	11.39	33.80	54.00	20.20
Middle Channel: 2441 MHz							
4882.000	34.02	PK	H	8.96	42.98	74.00	31.02
4882.000	22.28	AV	H	8.96	31.24	54.00	22.76
4882.000	33.66	PK	V	8.96	42.62	74.00	31.38
4882.000	21.38	AV	V	8.96	30.34	54.00	23.66
7323.000	34.85	PK	H	11.58	46.43	74.00	27.57
7323.000	22.24	AV	H	11.58	33.82	54.00	20.18
7323.000	34.60	PK	V	11.58	46.18	74.00	27.82
7323.000	22.11	AV	V	11.58	33.69	54.00	20.31
High Channel: 2480 MHz							
4960.000	33.87	PK	H	8.80	42.67	74.00	31.33
4960.000	21.49	AV	H	8.80	30.29	54.00	23.71
4960.000	33.52	PK	V	8.80	42.32	74.00	31.68
4960.000	21.60	AV	V	8.80	30.40	54.00	23.60
7440.000	34.14	PK	H	11.47	45.61	74.00	28.39
7440.000	22.31	AV	H	11.47	33.78	54.00	20.22
7440.000	34.79	PK	V	11.47	46.26	74.00	27.74
7440.000	22.55	AV	V	11.47	34.02	54.00	19.98

EDR Mode (π/4-DQPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.38	PK	H	8.50	41.88	74.00	32.12
4804.000	21.49	AV	H	8.50	29.99	54.00	24.01
4804.000	33.71	PK	V	8.50	42.21	74.00	31.79
4804.000	21.53	AV	V	8.50	30.03	54.00	23.97
7206.000	34.54	PK	H	11.39	45.93	74.00	28.07
7206.000	22.11	AV	H	11.39	33.50	54.00	20.50
7206.000	34.90	PK	V	11.39	46.29	74.00	27.71
7206.000	22.71	AV	V	11.39	34.10	54.00	19.90
Middle Channel: 2441 MHz							
4882.000	34.10	PK	H	8.96	43.06	74.00	30.94
4882.000	22.23	AV	H	8.96	31.19	54.00	22.81
4882.000	33.74	PK	V	8.96	42.70	74.00	31.30
4882.000	21.34	AV	V	8.96	30.30	54.00	23.70
7323.000	34.52	PK	H	11.58	46.10	74.00	27.90
7323.000	22.02	AV	H	11.58	33.60	54.00	20.40
7323.000	34.35	PK	V	11.58	45.93	74.00	28.07
7323.000	22.14	AV	V	11.58	33.72	54.00	20.28
High Channel: 2480 MHz							
4960.000	33.63	PK	H	8.80	42.43	74.00	31.57
4960.000	21.98	AV	H	8.80	30.78	54.00	23.22
4960.000	33.77	PK	V	8.80	42.57	74.00	31.43
4960.000	21.41	AV	V	8.80	30.21	54.00	23.79
7440.000	34.21	PK	H	11.47	45.68	74.00	28.32
7440.000	22.08	AV	H	11.47	33.55	54.00	20.45
7440.000	33.69	PK	V	11.47	45.16	74.00	28.84
7440.000	21.71	AV	V	11.47	33.18	54.00	20.82

EDR Mode (8DPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.68	PK	H	8.50	42.18	74.00	31.82
4804.000	21.74	AV	H	8.50	30.24	54.00	23.76
4804.000	33.82	PK	V	8.50	42.32	74.00	31.68
4804.000	21.43	AV	V	8.50	29.93	54.00	24.07
7206.000	34.22	PK	H	11.39	45.61	74.00	28.39
7206.000	22.05	AV	H	11.39	33.44	54.00	20.56
7206.000	33.38	PK	V	11.39	44.77	74.00	29.23
7206.000	21.84	AV	V	11.39	33.23	54.00	20.77
Middle Channel: 2441 MHz							
4882.000	33.85	PK	H	8.96	42.81	74.00	31.19
4882.000	21.43	AV	H	8.96	30.39	54.00	23.61
4882.000	33.66	PK	V	8.96	42.62	74.00	31.38
4882.000	21.70	AV	V	8.96	30.66	54.00	23.34
7323.000	34.21	PK	H	11.58	45.79	74.00	28.21
7323.000	22.13	AV	H	11.58	33.71	54.00	20.29
7323.000	34.30	PK	V	11.58	45.88	74.00	28.12
7323.000	22.12	AV	V	11.58	33.70	54.00	20.30
High Channel: 2480 MHz							
4960.000	34.10	PK	H	8.80	42.90	74.00	31.10
4960.000	22.39	AV	H	8.80	31.19	54.00	22.81
4960.000	33.47	PK	V	8.80	42.27	74.00	31.73
4960.000	21.45	AV	V	8.80	30.25	54.00	23.75
7440.000	34.05	PK	H	11.47	45.52	74.00	28.48
7440.000	22.17	AV	H	11.47	33.64	54.00	20.36
7440.000	33.86	PK	V	11.47	45.33	74.00	28.67
7440.000	21.35	AV	V	11.47	32.82	54.00	21.18

Chain 1

BDR Mode(GFSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.47	PK	H	8.50	41.97	74.00	32.03
4804.000	21.41	AV	H	8.50	29.91	54.00	24.09
4804.000	33.29	PK	V	8.50	41.79	74.00	32.21
4804.000	21.34	AV	V	8.50	29.84	54.00	24.16
7206.000	34.19	PK	H	11.39	45.58	74.00	28.42
7206.000	22.37	AV	H	11.39	33.76	54.00	20.24
7206.000	34.20	PK	V	11.39	45.59	74.00	28.41
7206.000	22.26	AV	V	11.39	33.65	54.00	20.35
Middle Channel: 2441 MHz							
4882.000	34.12	PK	H	8.96	43.08	74.00	30.92
4882.000	22.04	AV	H	8.96	31.00	54.00	23.00
4882.000	33.84	PK	V	8.96	42.80	74.00	31.20
4882.000	21.53	AV	V	8.96	30.49	54.00	23.51
7323.000	33.64	PK	H	11.58	45.22	74.00	28.78
7323.000	21.72	AV	H	11.58	33.30	54.00	20.70
7323.000	34.10	PK	V	11.58	45.68	74.00	28.32
7323.000	22.03	AV	V	11.58	33.61	54.00	20.39
High Channel: 2480 MHz							
4960.000	33.88	PK	H	8.80	42.68	74.00	31.32
4960.000	21.36	AV	H	8.80	30.16	54.00	23.84
4960.000	33.94	PK	V	8.80	42.74	74.00	31.26
4960.000	21.42	AV	V	8.80	30.22	54.00	23.78
7440.000	34.18	PK	H	11.47	45.65	74.00	28.35
7440.000	22.20	AV	H	11.47	33.67	54.00	20.33
7440.000	34.86	PK	V	11.47	46.33	74.00	27.67
7440.000	22.03	AV	V	11.47	33.50	54.00	20.50

EDR Mode (π/4-DQPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.87	PK	H	8.50	42.37	74.00	31.63
4804.000	21.54	AV	H	8.50	30.04	54.00	23.96
4804.000	33.50	PK	V	8.50	42.00	74.00	32.00
4804.000	21.28	AV	V	8.50	29.78	54.00	24.22
7206.000	34.19	PK	H	11.39	45.58	74.00	28.42
7206.000	22.41	AV	H	11.39	33.80	54.00	20.20
7206.000	33.77	PK	V	11.39	45.16	74.00	28.84
7206.000	21.56	AV	V	11.39	32.95	54.00	21.05
Middle Channel: 2441 MHz							
4882.000	34.28	PK	H	8.96	43.24	74.00	30.76
4882.000	22.45	AV	H	8.96	31.41	54.00	22.59
4882.000	33.68	PK	V	8.96	42.64	74.00	31.36
4882.000	21.37	AV	V	8.96	30.33	54.00	23.67
7323.000	34.20	PK	H	11.58	45.78	74.00	28.22
7323.000	22.19	AV	H	11.58	33.77	54.00	20.23
7323.000	34.71	PK	V	11.58	46.29	74.00	27.71
7323.000	22.28	AV	V	11.58	33.86	54.00	20.14
High Channel: 2480 MHz							
4960.000	33.73	PK	H	8.80	42.53	74.00	31.47
4960.000	21.41	AV	H	8.80	30.21	54.00	23.79
4960.000	34.29	PK	V	8.80	43.09	74.00	30.91
4960.000	22.05	AV	V	8.80	30.85	54.00	23.15
7440.000	34.33	PK	H	11.47	45.80	74.00	28.20
7440.000	22.61	AV	H	11.47	34.08	54.00	19.92
7440.000	34.17	PK	V	11.47	45.64	74.00	28.36
7440.000	22.50	AV	V	11.47	33.97	54.00	20.03

EDR Mode (8DPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
4804.000	33.88	PK	H	8.50	42.38	74.00	31.62
4804.000	21.69	AV	H	8.50	30.19	54.00	23.81
4804.000	34.10	PK	V	8.50	42.60	74.00	31.40
4804.000	22.20	AV	V	8.50	30.70	54.00	23.30
7206.000	34.37	PK	H	11.39	45.76	74.00	28.24
7206.000	22.16	AV	H	11.39	33.55	54.00	20.45
7206.000	33.89	PK	V	11.39	45.28	74.00	28.72
7206.000	21.47	AV	V	11.39	32.86	54.00	21.14
Middle Channel: 2441 MHz							
4882.000	34.17	PK	H	8.96	43.13	74.00	30.87
4882.000	22.30	AV	H	8.96	31.26	54.00	22.74
4882.000	33.69	PK	V	8.96	42.65	74.00	31.35
4882.000	21.54	AV	V	8.96	30.50	54.00	23.50
7323.000	34.17	PK	H	11.58	45.75	74.00	28.25
7323.000	22.20	AV	H	11.58	33.78	54.00	20.22
7323.000	34.11	PK	V	11.58	45.69	74.00	28.31
7323.000	22.06	AV	V	11.58	33.64	54.00	20.36
High Channel: 2480 MHz							
4960.000	33.89	PK	H	8.80	42.69	74.00	31.31
4960.000	21.63	AV	H	8.80	30.43	54.00	23.57
4960.000	34.17	PK	V	8.80	42.97	74.00	31.03
4960.000	22.02	AV	V	8.80	30.82	54.00	23.18
7440.000	34.10	PK	H	11.47	45.57	74.00	28.43
7440.000	22.23	AV	H	11.47	33.70	54.00	20.30
7440.000	34.58	PK	V	11.47	46.05	74.00	27.95
7440.000	22.67	AV	V	11.47	34.14	54.00	19.86

Band edge test plots

```
Project No.: 2403Y36748E-RF
     Tester: Mack Huang
Polarization: Horizontal
       Note: BDR Low Channel 2402MHz Chain 0
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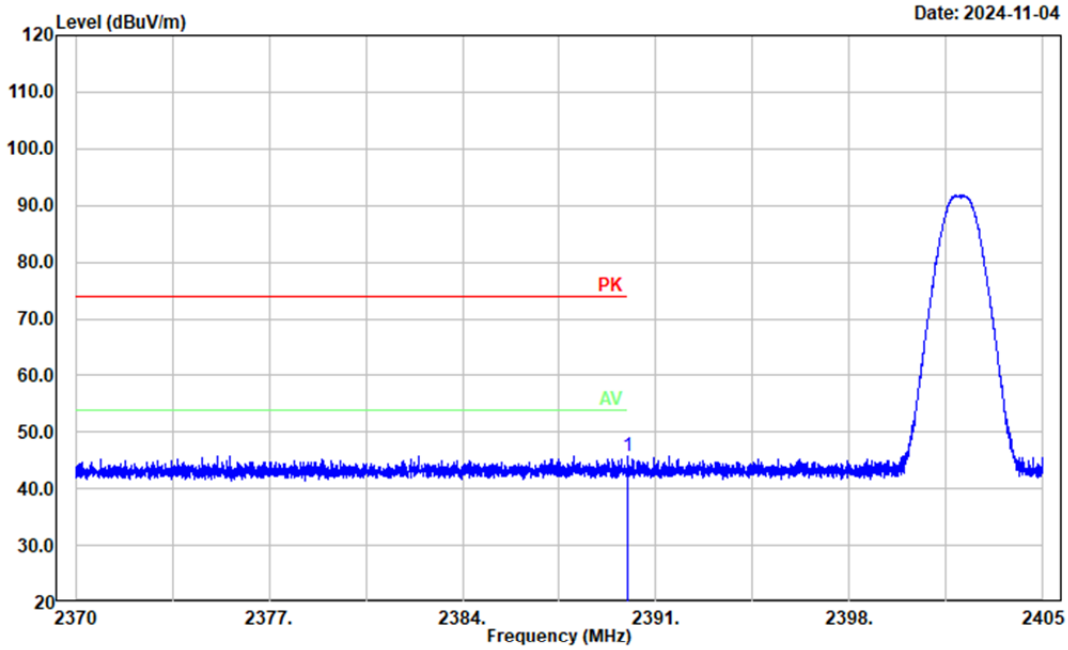
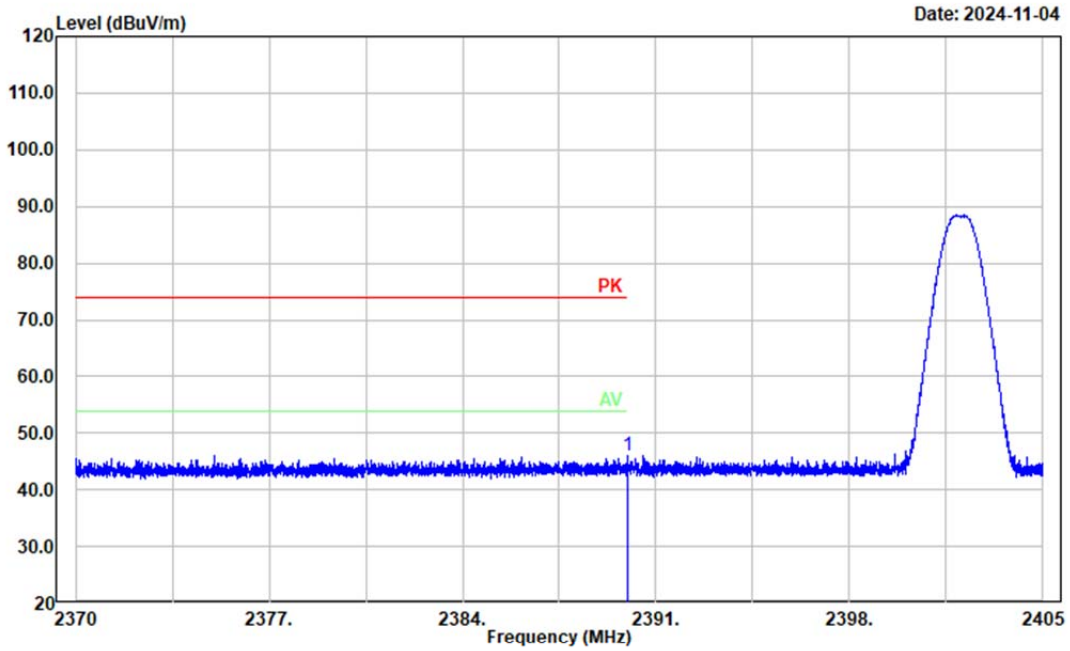


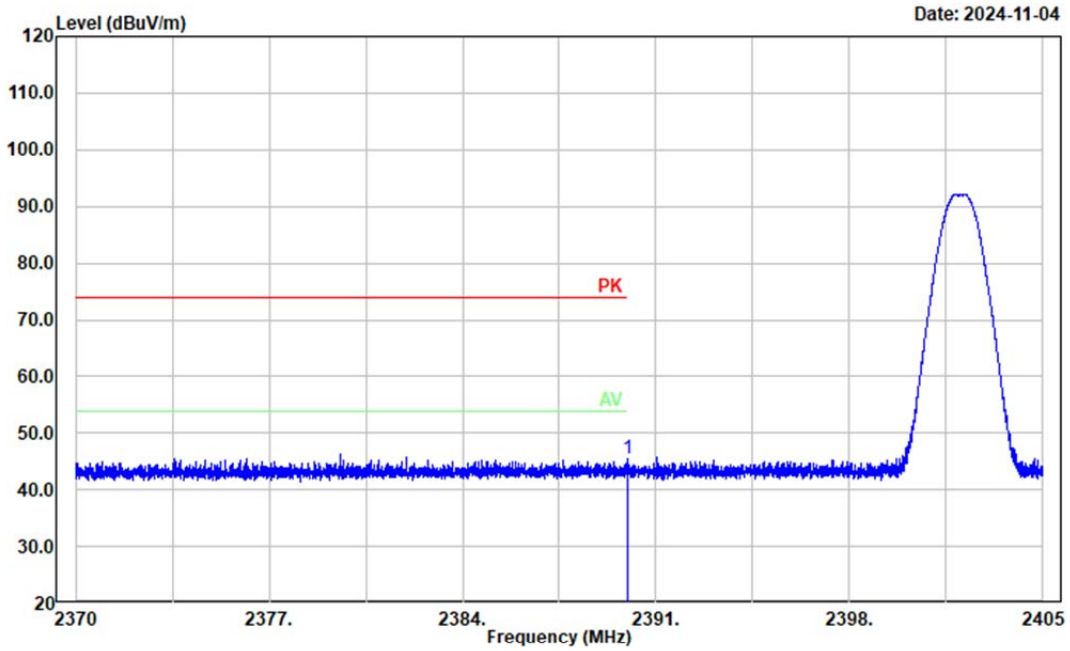
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.59	3.13	45.72	74.00	28.28	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: BDR Low Channel 2402MHz Chain 0



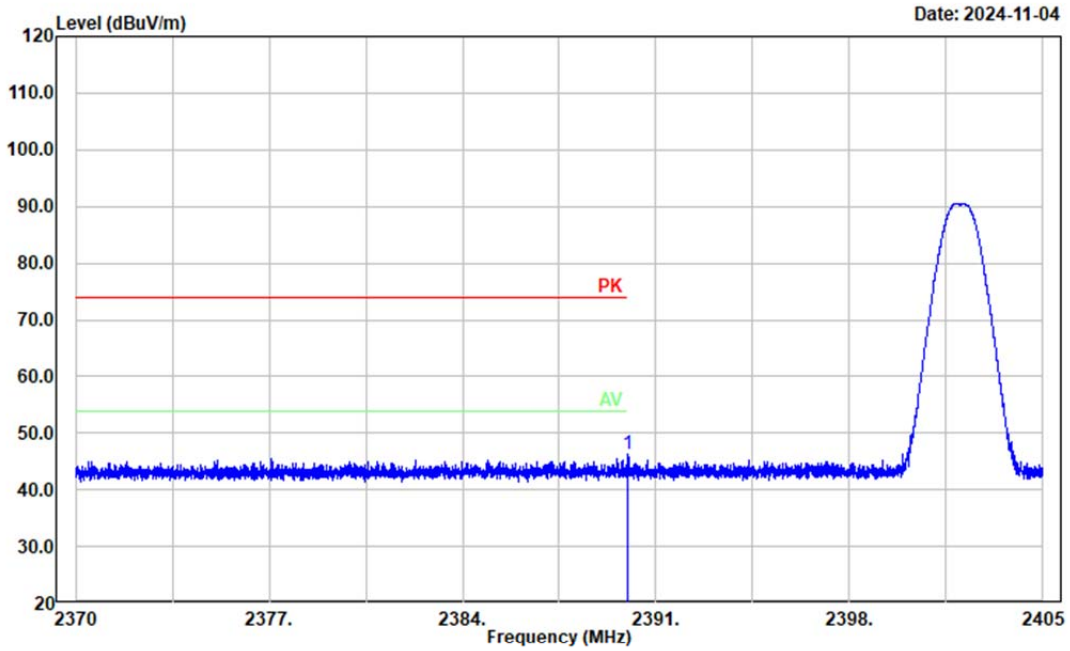
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.95	3.13	46.08	74.00	27.92	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: BDR Low Channel 2402MHz Chain 1



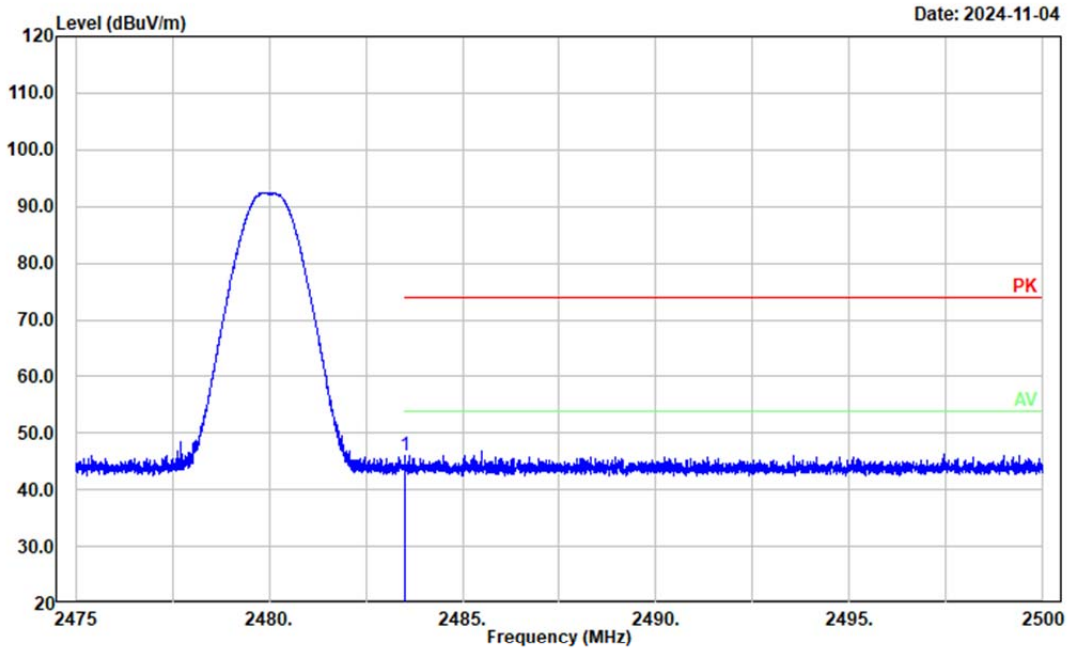
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.46	3.13	45.59	74.00	28.41	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: BDR Low Channel 2402MHz Chain 1



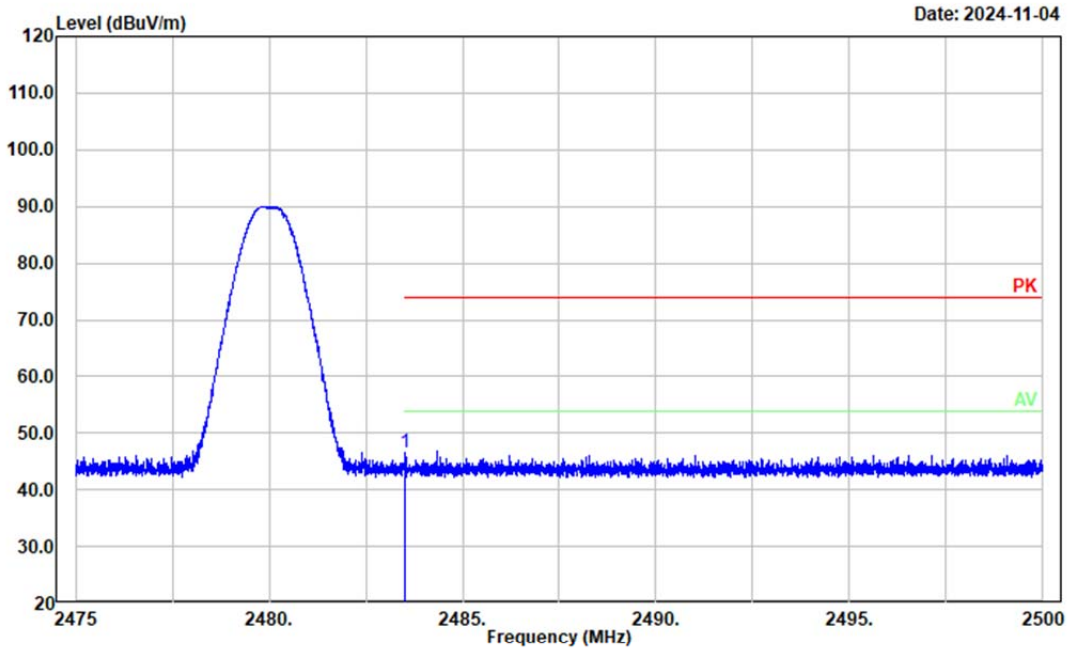
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	43.09	3.13	46.22	74.00	27.78	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: BDR High Channel 2480MHz Chain 0



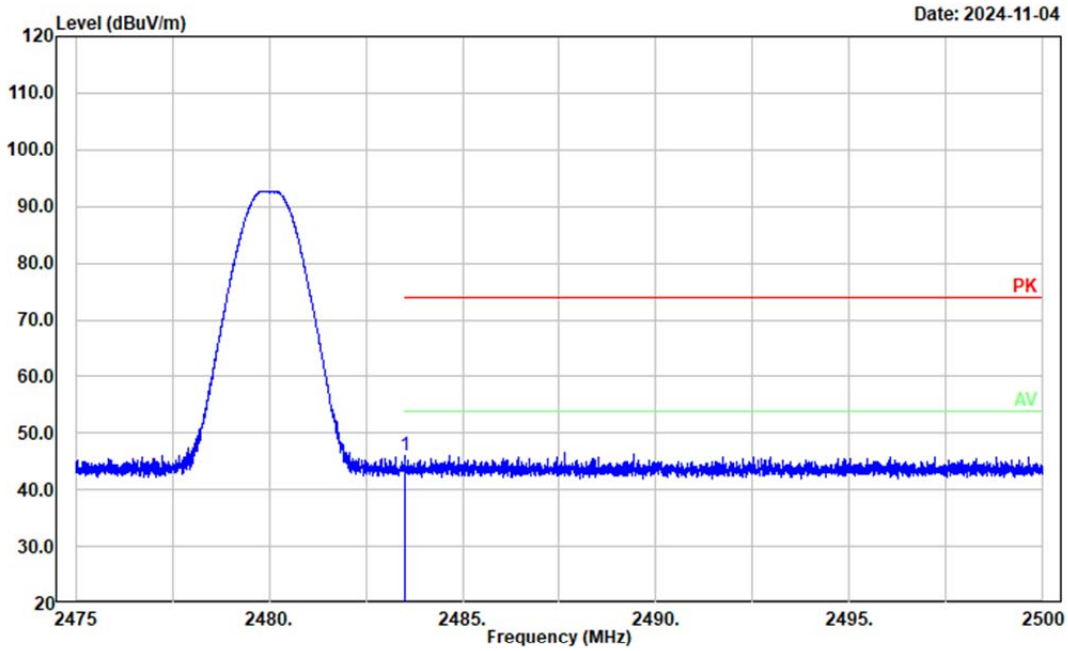
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.78	3.25	46.03	74.00	27.97	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: BDR High Channel 2480MHz Chain 0



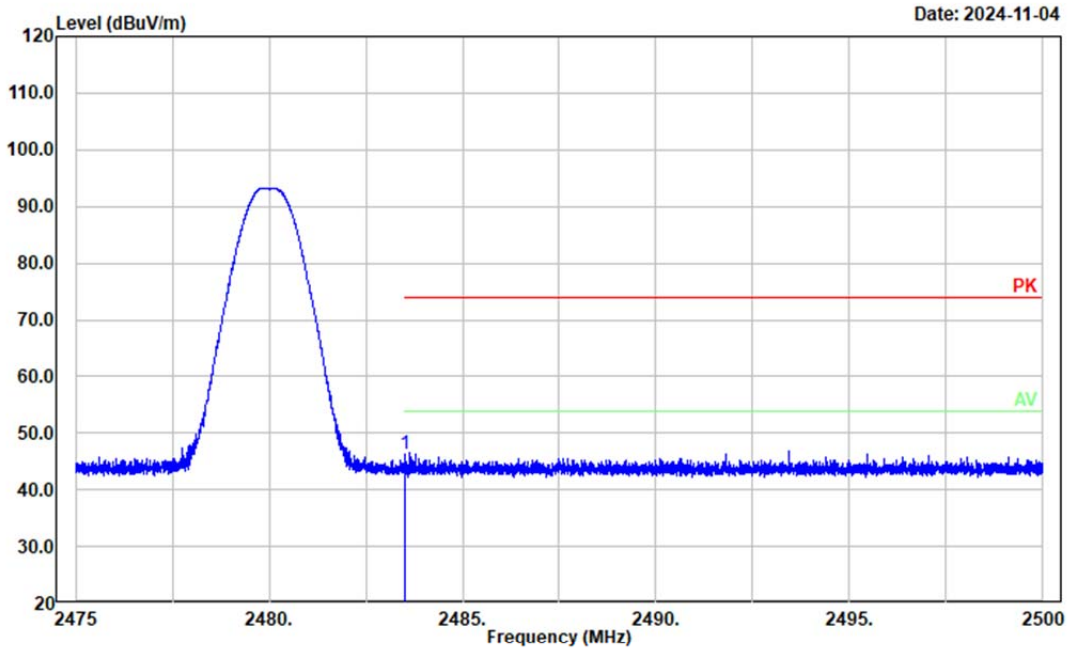
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	43.20	3.25	46.45	74.00	27.55	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: BDR High Channel 2480MHz Chain 1



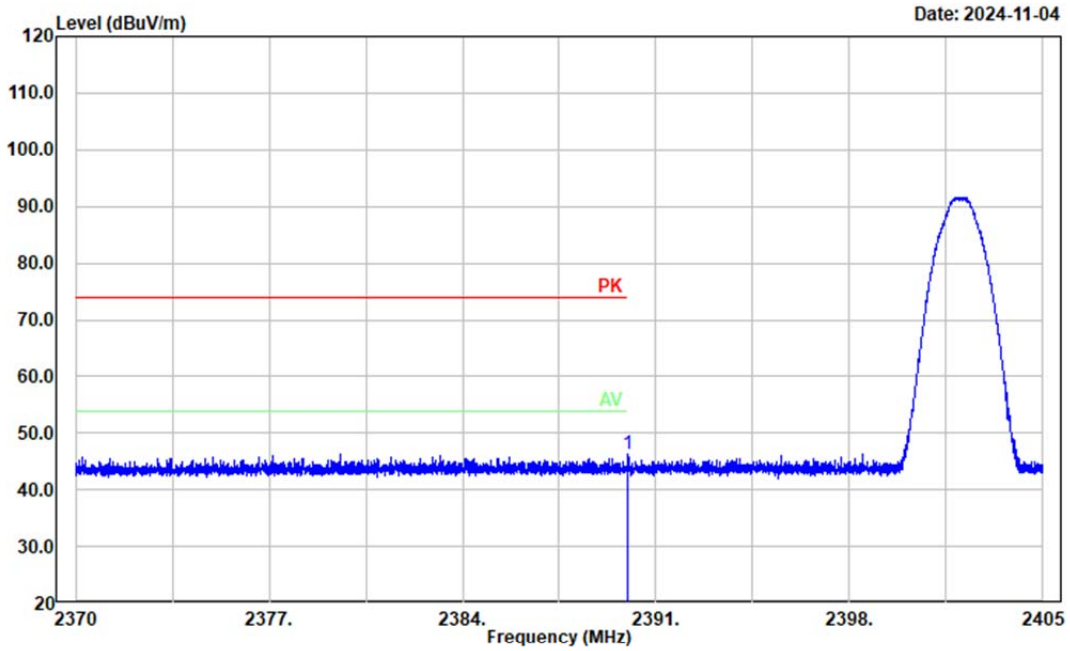
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.84	3.25	46.09	74.00	27.91	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: BDR High Channel 2480MHz Chain 1



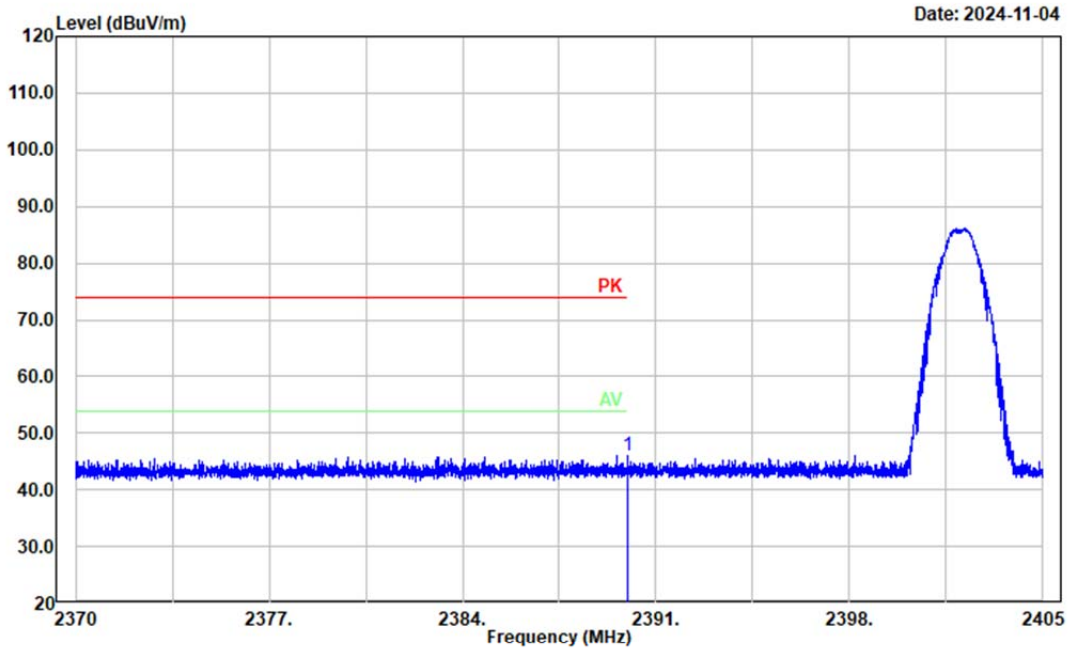
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.94	3.25	46.19	74.00	27.81	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 2EDR Low Channel 2402MHz Chain 0



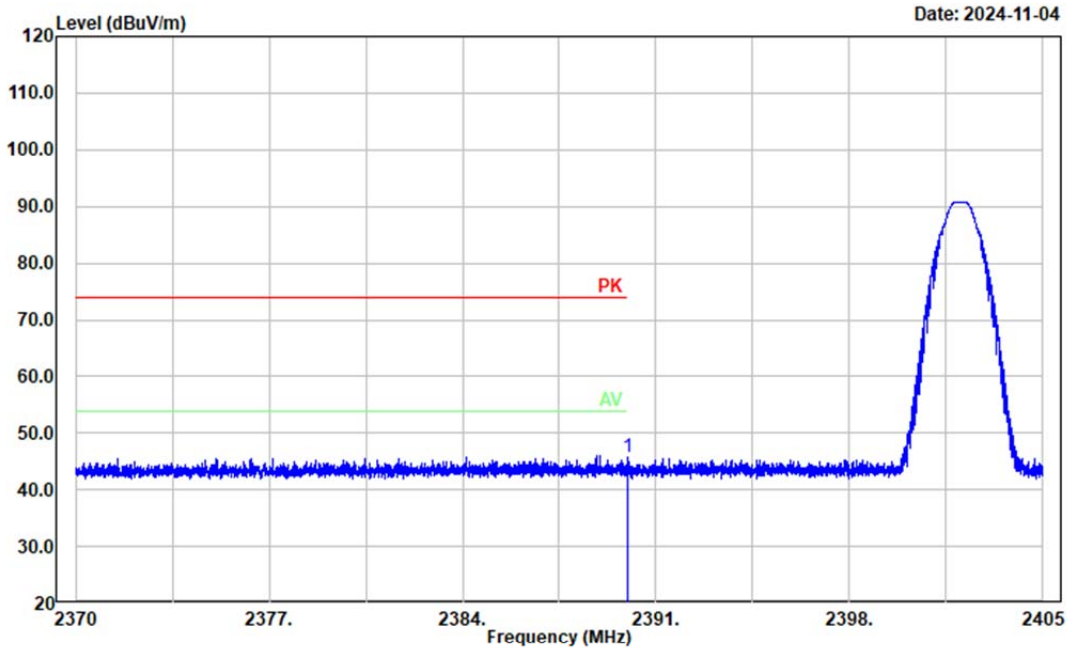
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	43.05	3.13	46.18	74.00	27.82	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: 2EDR Low Channel 2402MHz Chain 0



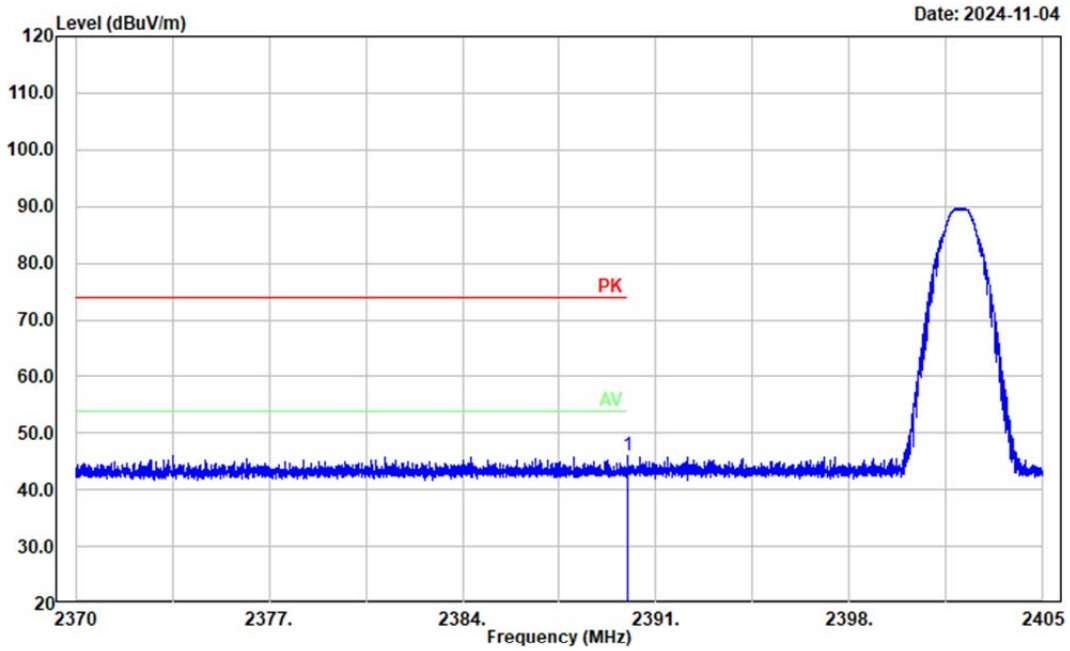
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.76	3.13	45.89	74.00	28.11	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 2EDR Low Channel 2402MHz Chain 1



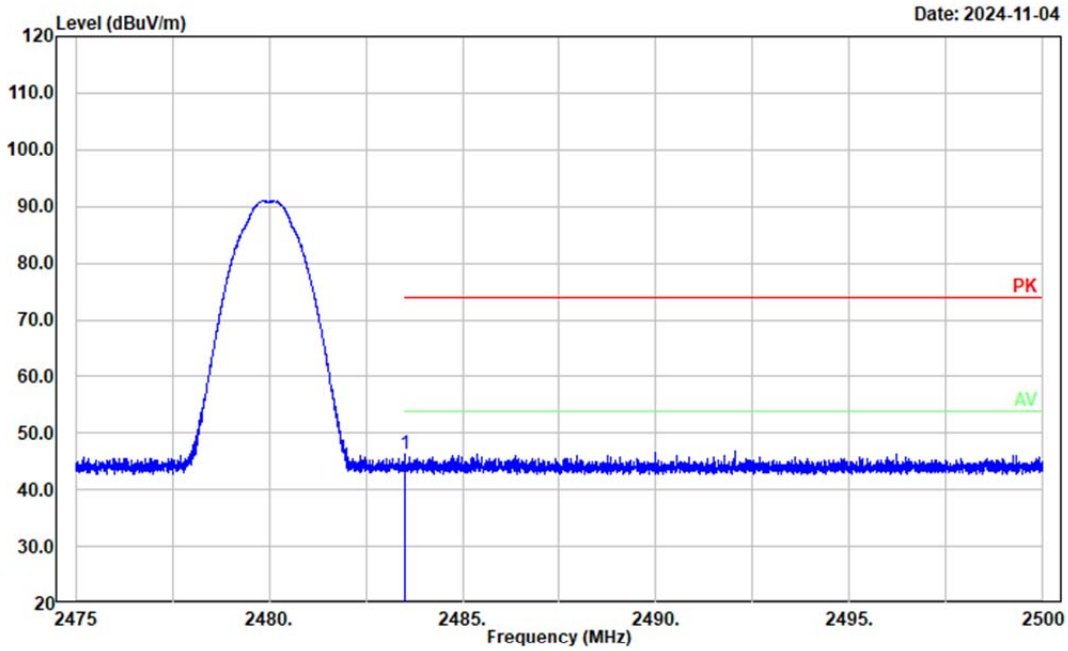
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.55	3.13	45.68	74.00	28.32	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: 2EDR Low Channel 2402MHz Chain 1



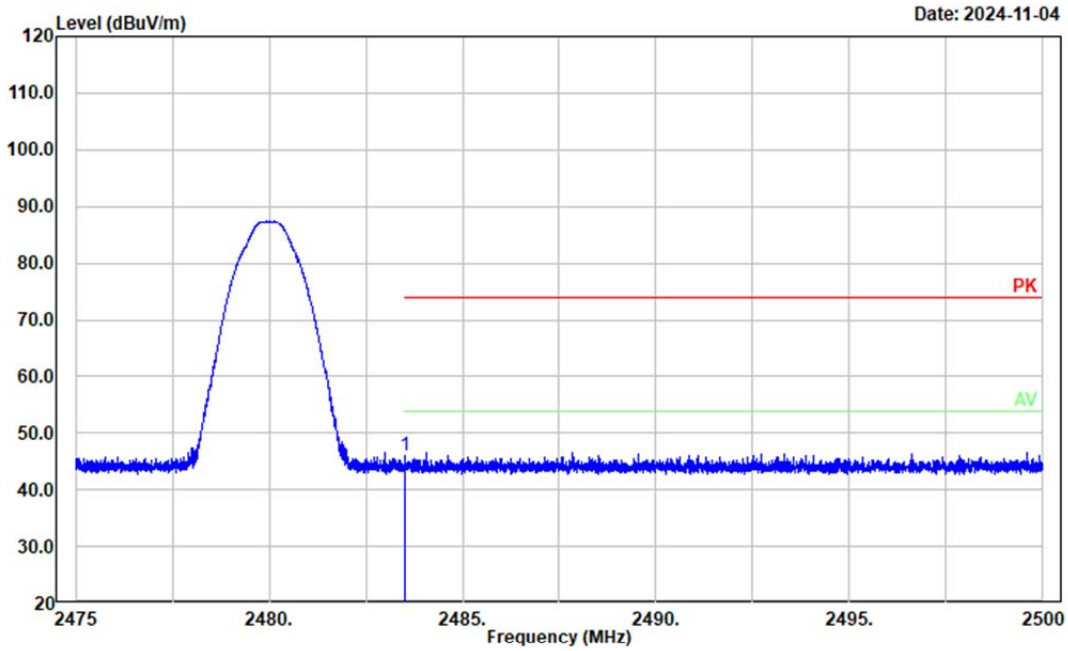
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.86	3.13	45.99	74.00	28.01	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 2EDR High Channel 2480MHz Chain 0



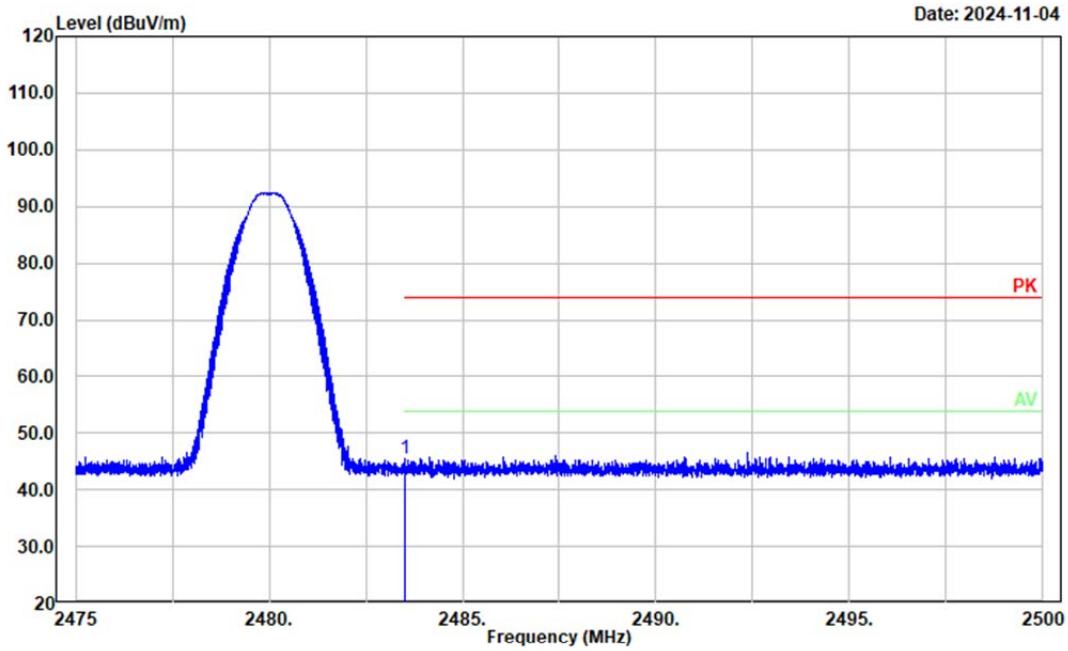
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	43.05	3.25	46.30	74.00	27.70	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: 2EDR High Channel 2480MHz Chain 0



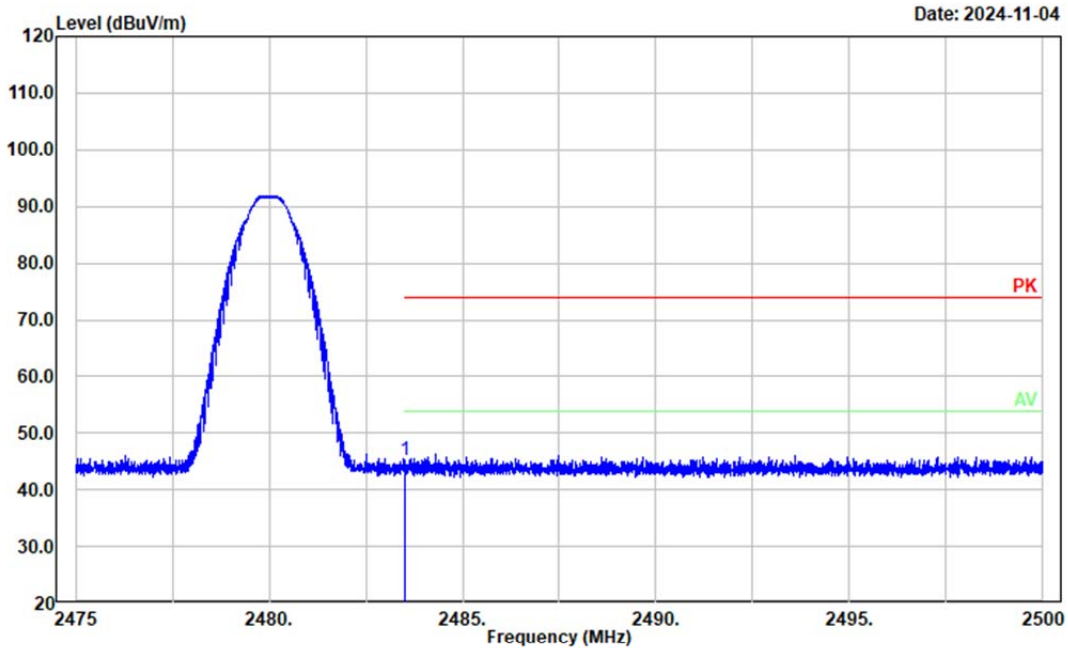
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.73	3.25	45.98	74.00	28.02	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 2EDR High Channel 2480MHz Chain 1



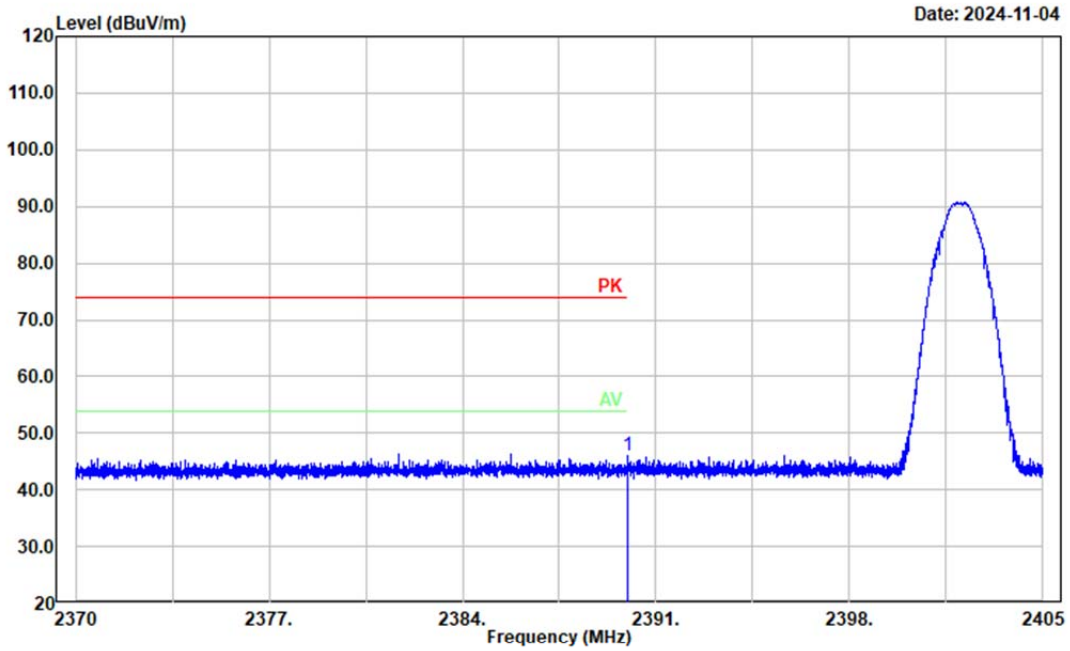
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.17	3.25	45.42	74.00	28.58	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: 2EDR High Channel 2480MHz Chain 1



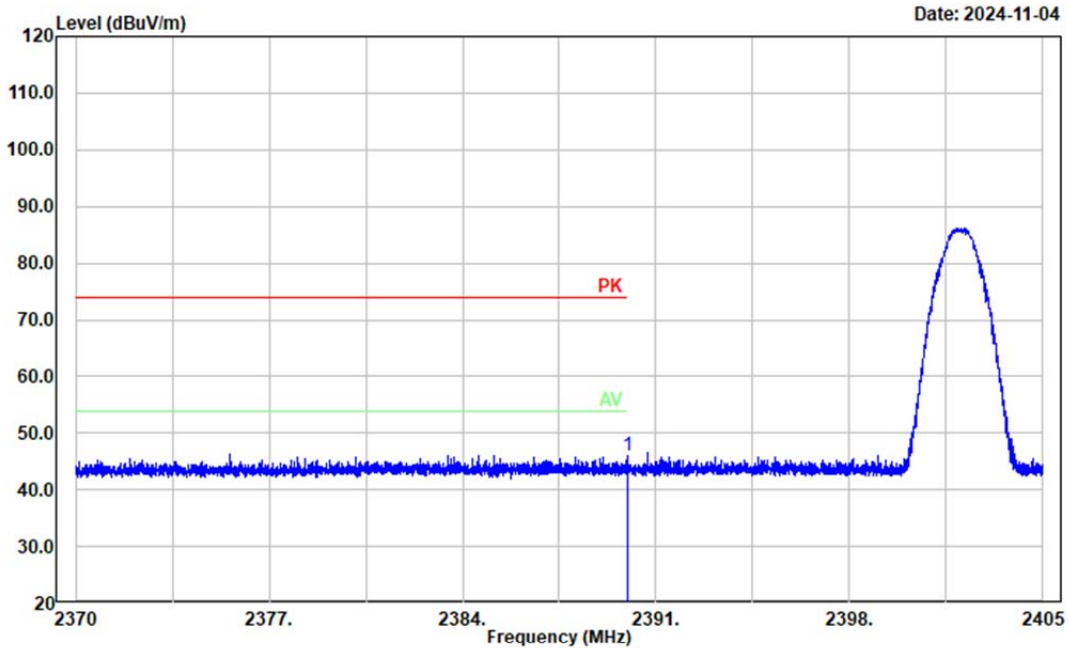
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2483.500	42.00	3.25	45.25	74.00	28.75	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 3EDR Low Channel 2402MHz Chain 0



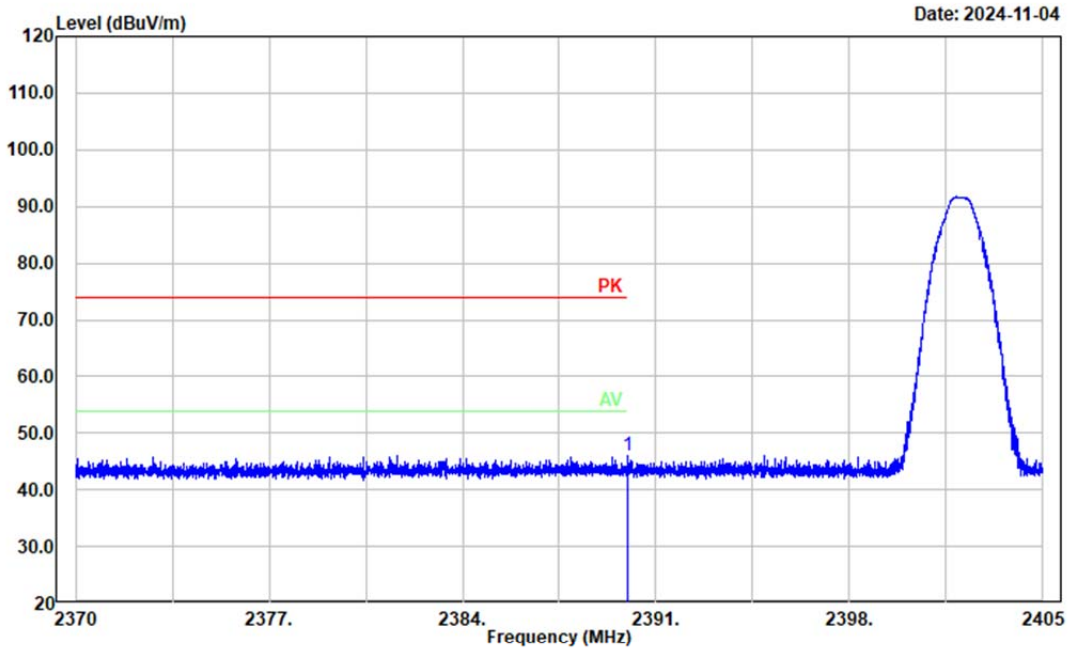
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.83	3.13	45.96	74.00	28.04	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Vertical
Note: 3EDR Low Channel 2402MHz Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.76	3.13	45.89	74.00	28.11	Peak

Project No.: 2403Y36748E-RF
Tester: Mack Huang
Polarization: Horizontal
Note: 3EDR Low Channel 2402MHz Chain 1



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2390.000	42.94	3.13	46.07	74.00	27.93	Peak