

TEST REPORT

Applicant: Shenzhen Xinguodu Technology Co., Ltd.

Address: 17B JinSong Mansion, Terra Industrial & Trade Park
Chegongmiao, Futian District, Shenzhen, Guangdong, China.

Product Name: POS terminal

FCC ID: XDQN92-01

Standard(s): 47 CFR Part 15, Subpart C(15.247)
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 +
Errata to C63.10a-2024*
KDB 558074 D01 15.247 Meas Guidance v05r02

Report Number: 2402V85163E-RF-00AA2

Report Date: 2025/10/13

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	2402V85163E-RF-00A	Original Report	2024/10/25
2.0	2402V85163E-RF-00AA2	Class II Permissive Change Report	2025/10/13

Note: This is the Class II Permissive Change report application which was based on the Original report. The differences between them as following:

- 1. Change BT/Wi-Fi/WWAN antennas.
- 2. Add an eMMC (128G) and LPDDR4X (6G)
- 3. Add an ESIM function
- 4. Deleted Fingerprint module , Audio jack, Flash lamp, Back camera, Tax Module, PSAM Module and related circuits.

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

1. GENERAL INFORMATION

1.1 General Description of Equipment under Test

EUT Name:	POS terminal
EUT Model:	N92
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted)▲:	4.13dBm
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Rated Input Voltage:	DC 7.2V from battery or DC 5V from adapter or DC 5V from Charging Base
Serial Number:	37S2-1(For Radiated Spurious Emissions test) 37S2-3(For AC Line Conducted Emissions and RF Conducted test)
EUT Received Date:	2025/8/1
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	SHENZHEN RUIJING INDUSTRIAL CO.,LTD	STC-A520A-Z	Input: 100-240Vac~50/60Hz 400mA Output: 5.0Vdc 2000mA
Battery	Zhengzhou BAK Battery Co.,Ltd	GX12	Typical Capacity:3300mAh Rated Capacity:3200mAh Typical Energy:23.76Wh Nominal Energy:23.04Wh Output: DC 7.2V

Optional Material:

Material Description	Manufacturer	Parameter
eMMC 1	SAMSUNG	KLMBG2JETD-B041(32GB)
eMMC 2	BIWIN	BWCTAKL11X128G(128G)
LPDDR4X 1	SAMSUNG	K4U6E3S4AB-MGCL(2GB)
LPDDR4X 2	BIWIN	BWMEIX32H2A-48G-X(6GB)

EUT Information:

The following Configuration were select to test:

Items	Old Configuration	New Configuration
Back camera	500W	×
Flash lamp	√	×
Fingerprint module	√	×
Audio jack	√	×
Scanner	×	√
eMMC	eMMC 1	eMMC 2
LPDDR4X	LPDDR4X 1	LPDDR4X 2
ESIM	×	√

1.3 Antenna Information Detail ▲

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
FPC	50	2400-2500MHz	-0.26dBi
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 Emissions	Compliant
FCC §15.247(a)(1)	20 dB Emission Bandwidth	Compliant*
FCC §15.247(a)(1)	Channel Separation	Compliant*
FCC §15.247(a)(1)(iii)	Number Of Hopping Frequency	Compliant*
FCC §15.247(a)(1)(iii)	Time Of Occupancy (dwell time)	Compliant*
FCC §15.247(b)(1)	Maximum Conducted Output Power	Reporting
FCC §15.247(d)	Conducted Spurious Emission	Compliant
FCC §15.203	Antenna Requirement	Compliant
§15.247 (i) & §1.1310 & §2.1093	SAR Evaluation	Compliant

Note 1: For AC line conducted emissions, the maximum output power mode and channel was tested.

Note 2: For Radiated Spurious Emissions 9kHz~1GHz and 18~25GHz, the maximum output power mode and channel was tested.

Note 3: Per original report: 2402V85163E-RF-00A, Powered by Adapter was the worst, so only performed it.

Note 4:

Compliant*: The change of the EUT does not affect the test result, please refer to the original report: 2402V85163E-RF-00A.

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

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

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

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
GFSK(BDR)	6	6	6
$\pi/4$ -DQPSK(2EDR)	6	6	6
8DPSK(3EDR)	6	6	6

3.3 Support Equipment List and Details

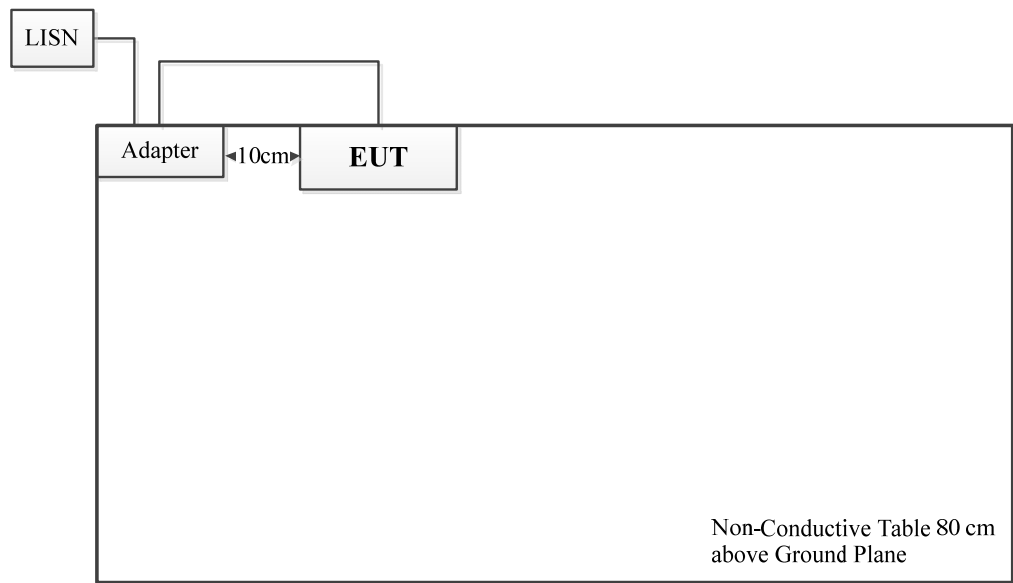
Manufacturer	Description	Model	Serial Number
/	/	/	/

3.4 Support Cable List and Details

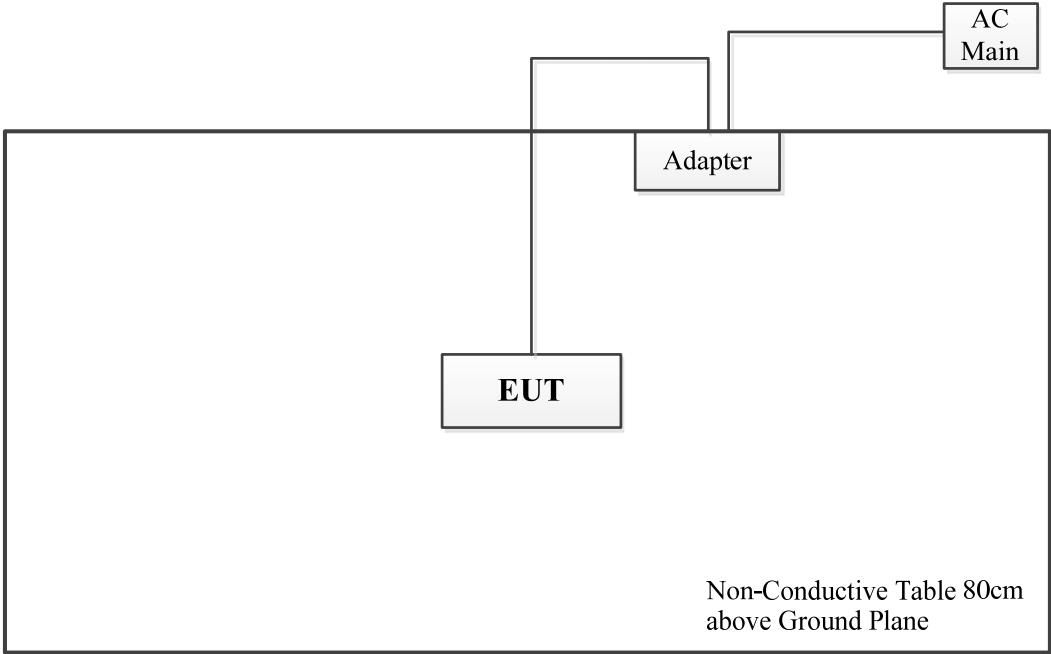
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	no	no	1.5	Adapter	EUT

3.5 Block Diagram of Test Setup

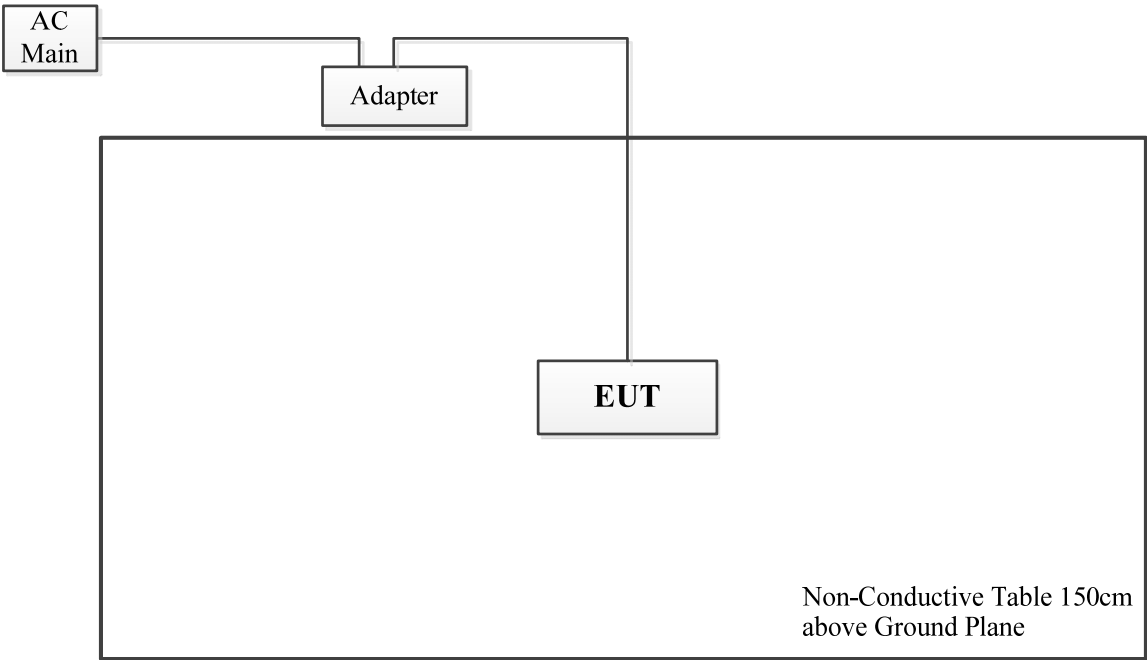
AC line conducted emissions:



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	$\pm 5\%$
RF output power, conducted	$\pm 0.61\text{ dB}$
Power Spectral Density, conducted	$\pm 0.61\text{ dB}$
Unwanted Emissions, radiated	9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz: 5.47 dB, 26.5GHz~40GHz: 5.63 dB
Unwanted Emissions, conducted	$\pm 2.47\text{ dB}$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
Duty Cycle	1%
AC Power Lines Conducted Emission	3.11 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:

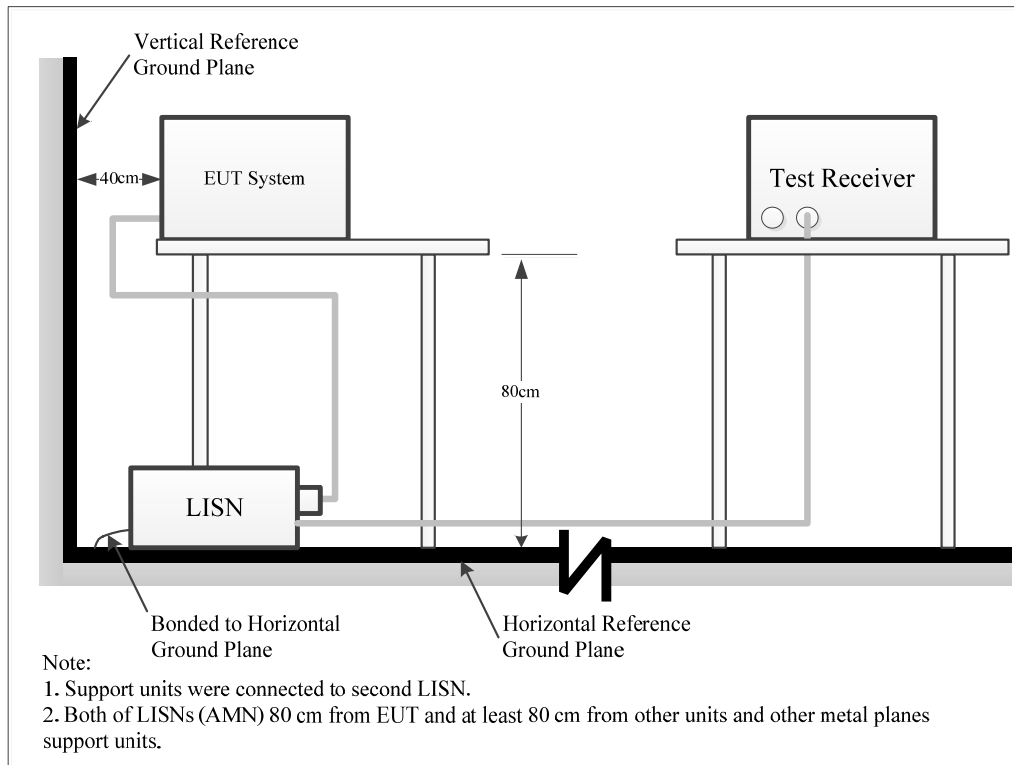
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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 10 cm.

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 30 MHz.

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 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

4.1.6 Test Result

Please refer to section 5.1.

4.2 Radiated Spurious Emissions

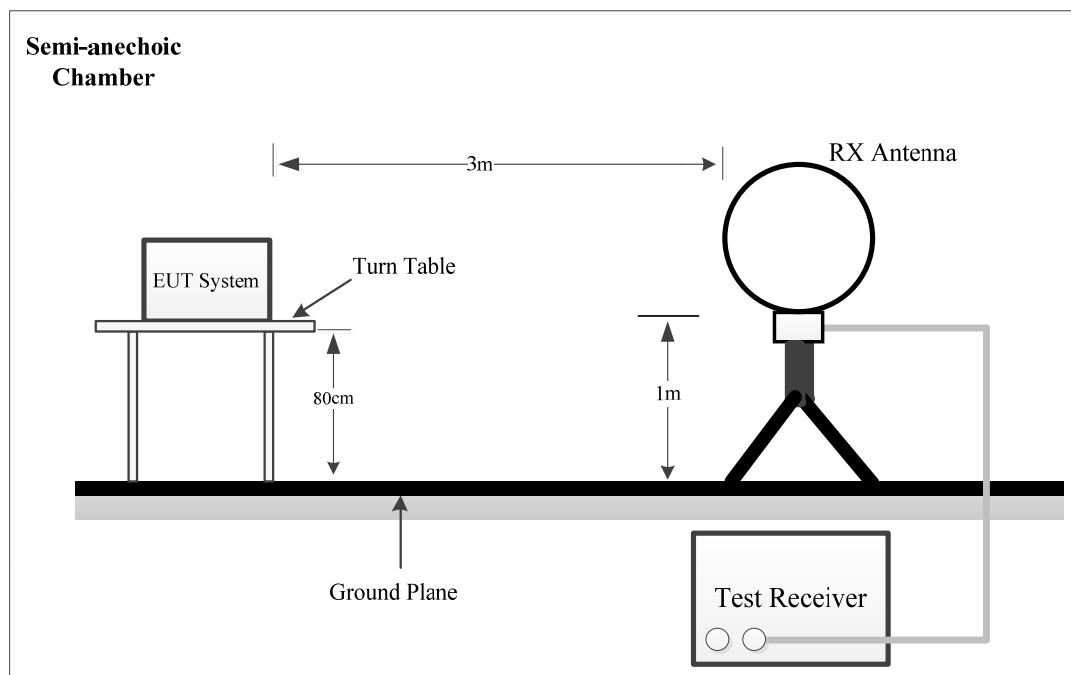
4.2.1 Applicable Standard

FCC §15.247 (d);

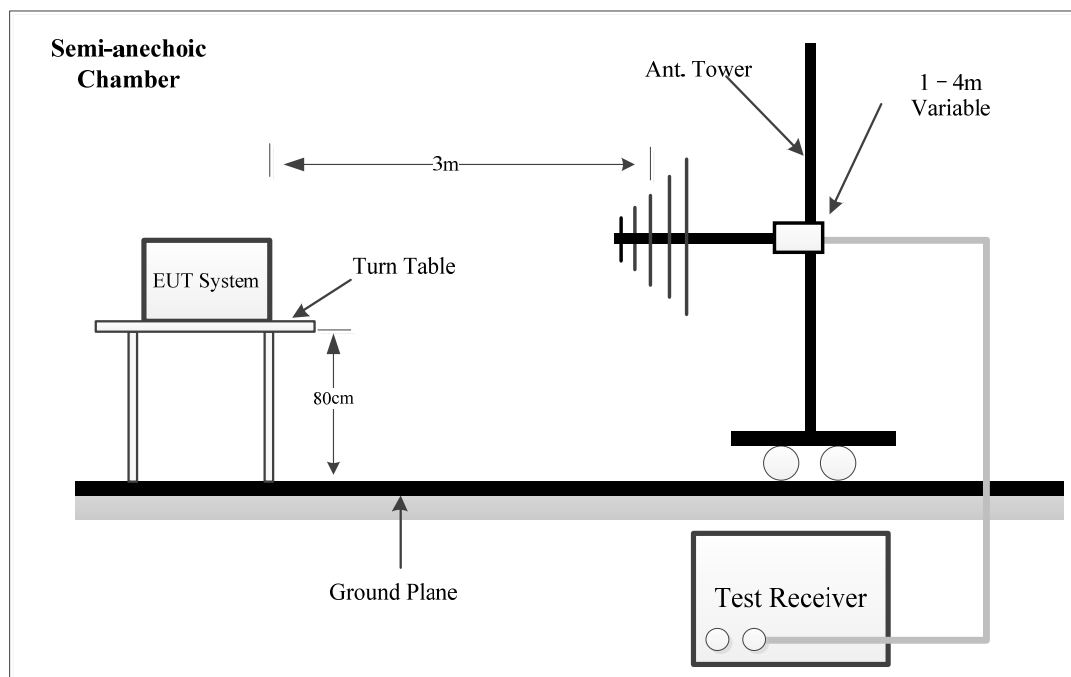
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

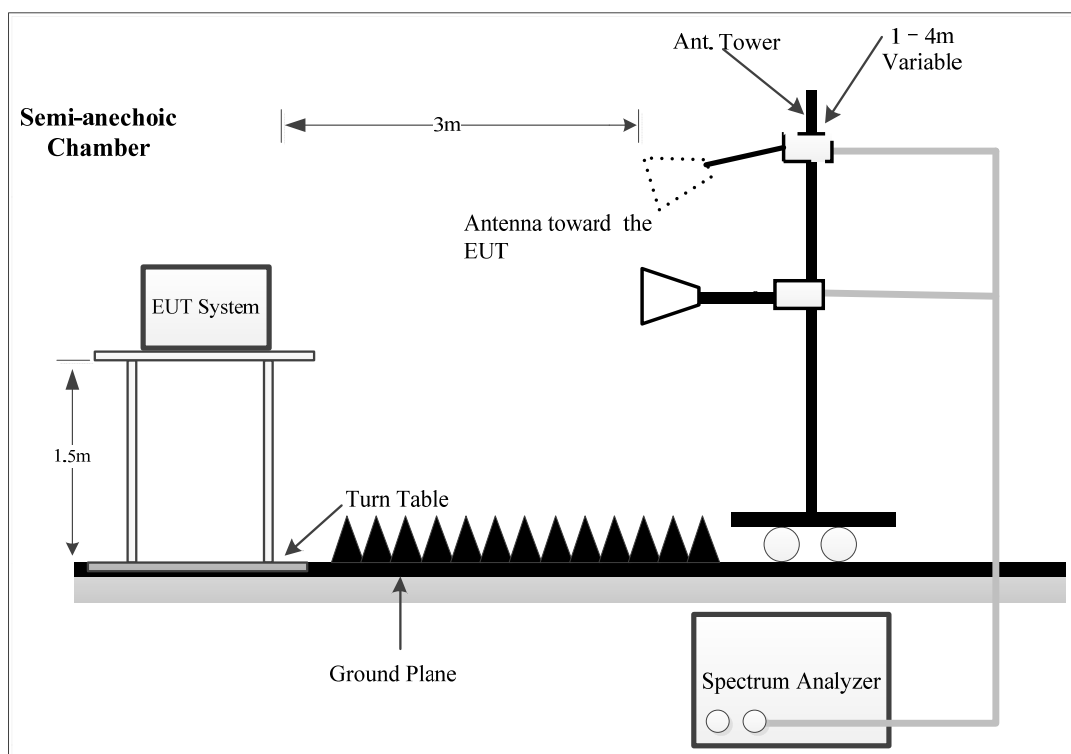
9kHz~30MHz:



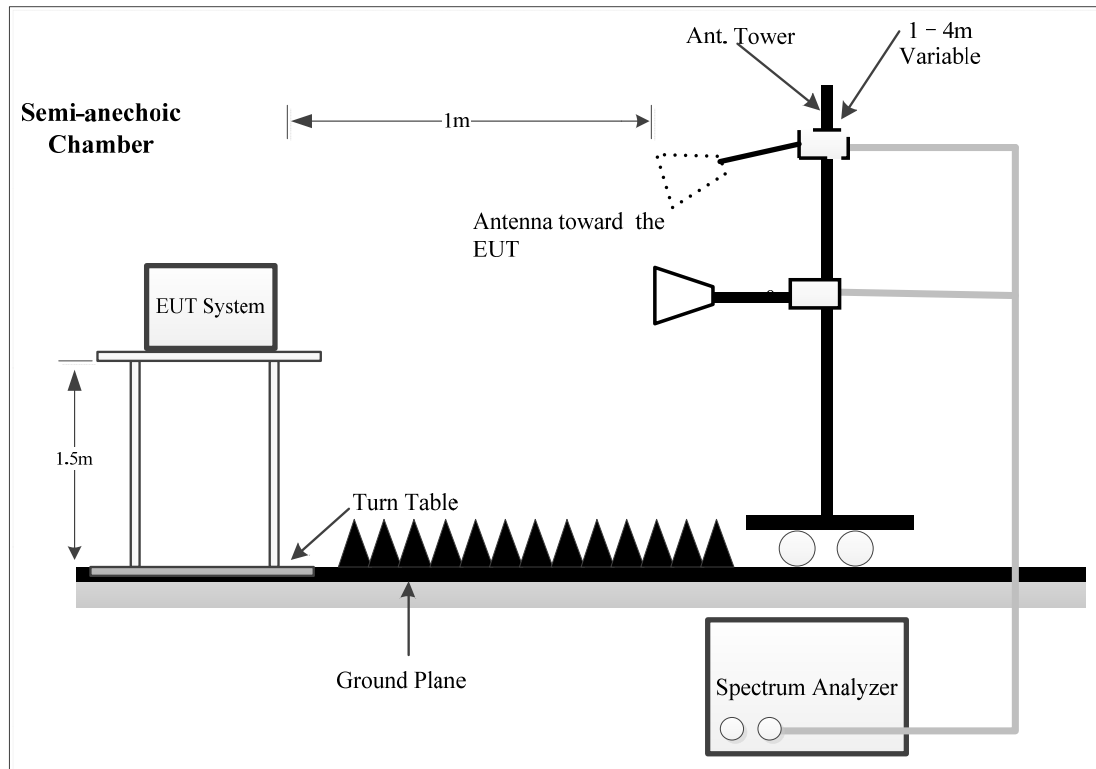
30MHz~1GHz:



1-18GHz:



18-25GHz:



The radiated emissions were performed in the semi-anechoic chamber, 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	PK	120 kHz	500 kHz	/	PK
	QP	/	/	120 kHz	QP

1GHz- 25GHz:

Pre-scan:

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

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3 MHz	PK
Ave.	1MHz	10 Hz	PK

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 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.

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.

For Radiated 18-25GHz test, which was performed at 1.0 m distance, according to C63.10, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.0m
Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.0m]})$ dB = 9.54 dB

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 μ V/m

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

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

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

The basic equation except 18-25GHz test is as follows:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For Radiated 18-25GHz test:

Factor = Antenna Factor + Cable Loss- Distance extrapolation Factor

Result = Reading + Factor

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

4.2.6 Test Result

Please refer to section 5.2.

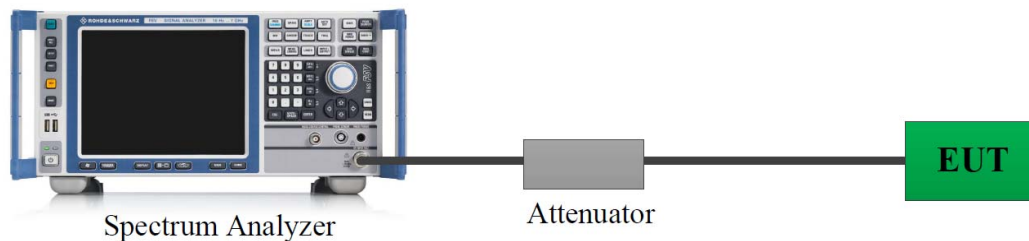
4.3 Maximum Conducted Output Power

4.3.1 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: 0.125 watts

4.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable/attenuator was offset into the setting of test equipment:

Offset=Insert loss of RF cable+ Insert loss of attenuator

4.3.3 Test Procedure

According to ANSI C63.10-2020 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. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings:

- a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
- b) RBW > 20 dB bandwidth of the emission being measured.
- c) VBW $\geq$ RBW.
- d) Sweep: No faster than coupled (auto) time.
- e) Detector function: Peak.
- f) Trace: Max-hold.
- g) Allow trace to stabilize.
- h) Use the marker-to-peak function to set the marker to the peak of the emission.
- i) The indicated level is the peak output power, after any corrections for external attenuators and cables.
- j) A spectral 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.

4.3.4 Test Result

Please refer to section 5.3.

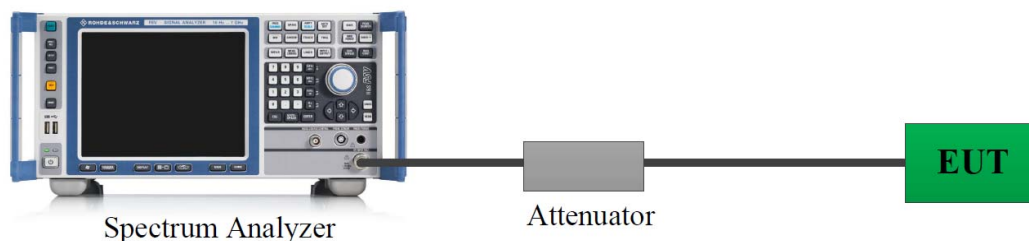
4.4 Conducted Spurious Emission

4.4.1 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)).

4.4.2 EUT Setup



4.4.3 Test Procedure

According to ANSI C63.10-2020 Section 7.8.7.2

Compliance with a relative limit at the band-edges (e.g., -20 dBc) shall be made on the lowest and on the highest channels with frequency hopping disabled and repeated with frequency hopping enabled. For the latter test the hopping sequence shall include the lowest and highest channels.

For measurements with the hopping disabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of the allocated band-edge.

For measurements with the hopping enabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of both of the allocated band-edges. This could require separate spectral plots for each band-edge.

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- 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.

4.4.4 Test Result

Please refer to section 5.4.

4.5 Antenna Requirement

4.5.1 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.

4.5.2 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:	37S2-3	Test Date:	2025/09/29
Test Site:	CE	Test Mode:	Transmitting
Tester:	Lane Sun	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	48	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2025/6/25	2026/6/24
Unknown	Coaxial Cable	RG 142	C-0200-05	2025/5/6	2026/5/5
R&S	EMI Test Receiver	ESCI	100224	2025/6/25	2026/6/24
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:

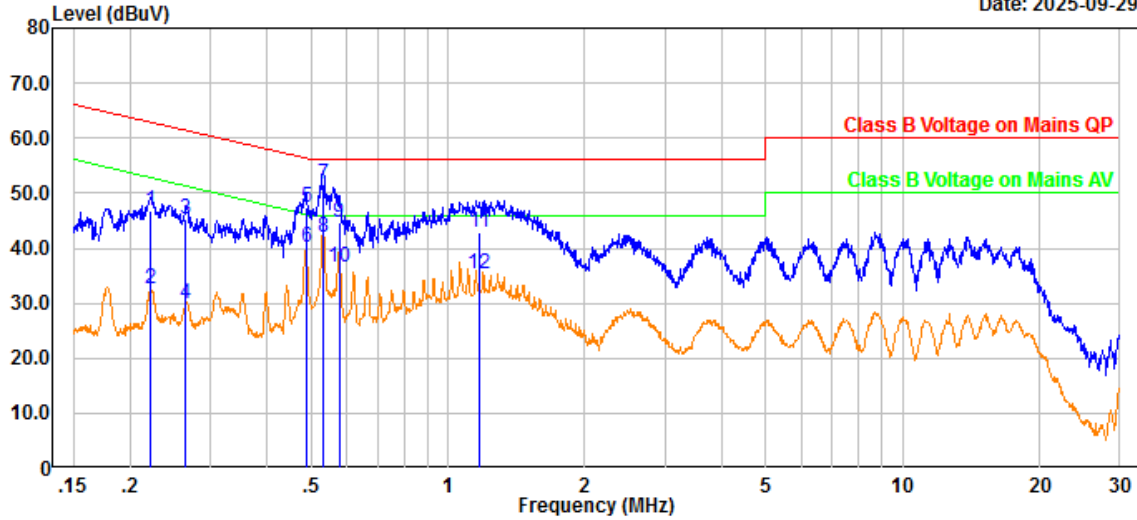
Please refer to the below plots.

Note: BDR High channel was tested.

Project No.: 2402V85163E-RF-A2
 Port: Line
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

Serial No.: 3752-3
 Tester: Lane Sun
 Note: BT

Date: 2025-09-29

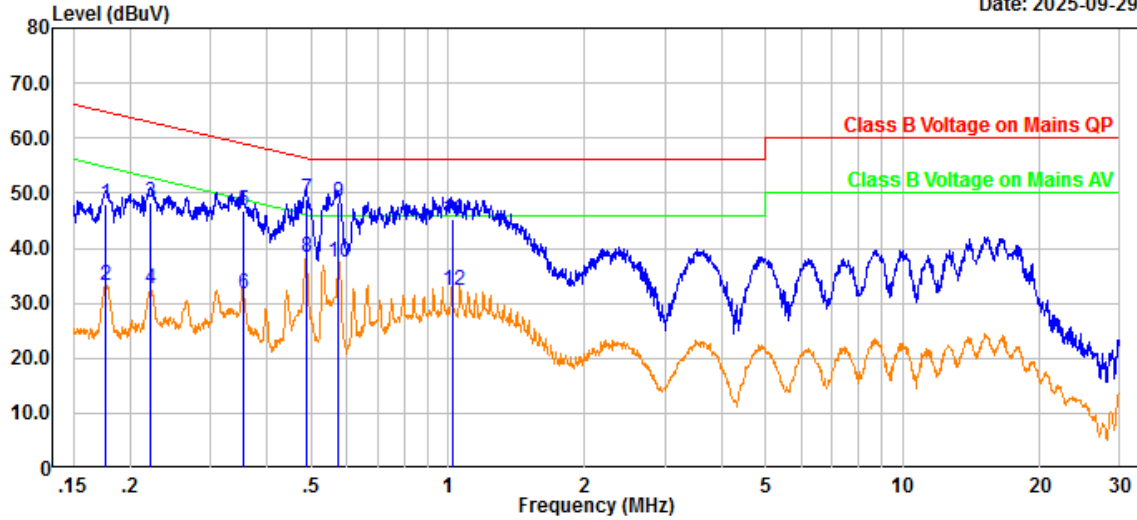


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.222	35.92	10.79	46.71	62.74	16.03	QP
2	0.222	21.84	10.79	32.63	52.74	20.11	Average
3	0.266	34.39	10.76	45.15	61.26	16.11	QP
4	0.266	19.09	10.76	29.85	51.26	21.41	Average
5	0.487	36.89	10.62	47.51	56.22	8.71	QP
6	0.487	29.41	10.62	40.03	46.22	6.19	Average
7	0.532	40.96	10.58	51.54	56.00	4.46	QP
8	0.532	31.51	10.58	42.09	46.00	3.91	Average
9	0.576	34.25	10.53	44.78	56.00	11.22	QP
10	0.576	26.09	10.53	36.62	46.00	9.38	Average
11	1.168	31.86	10.89	42.75	56.00	13.25	QP
12	1.168	24.36	10.89	35.25	46.00	10.75	Average

Project No.: 2402V85163E-RF-A2
 Port: neutral
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

Serial No.: 3752-3
 Tester: Lane Sun
 Note: BT

Date: 2025-09-29



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.177	37.08	10.81	47.89	64.63	16.74	QP
2	0.177	22.26	10.81	33.07	54.63	21.56	Average
3	0.222	37.34	10.87	48.21	62.74	14.53	QP
4	0.222	21.78	10.87	32.65	52.74	20.09	Average
5	0.356	36.21	10.70	46.91	58.83	11.92	QP
6	0.356	20.86	10.70	31.56	48.83	17.27	Average
7	0.487	38.23	10.53	48.76	56.22	7.46	QP
8	0.487	27.78	10.53	38.31	46.22	7.91	Average
9	0.575	37.83	10.47	48.30	56.00	7.70	QP
10	0.575	27.08	10.47	37.55	46.00	8.45	Average
11	1.022	34.40	10.92	45.32	56.00	10.68	QP
12	1.022	21.31	10.92	32.23	46.00	13.77	Average

5.2 Radiated Spurious Emissions

1) 9kHz - 1GHz

Serial Number:	37S2-1	Test Date:	2025/09/25
Test Site:	Chamber A	Test Mode:	Transmitting
Tester:	Lancer Zhang	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	24.9	Relative Humidity: (%)	43	ATM Pressure: (kPa)	99.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/25	2026/10/24
Sunol Sciences	Hybrid Antenna	JB3	A060611-2	2024/4/16	2027/4/15
Narda	Coaxial Attenuator	757C-6dB	34010	2024/4/16	2027/4/15
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2025/6/30	2026/7/1
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2025/6/30	2026/7/1
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2025/6/30	2026/7/1
Sonoma	Amplifier	310N	372193	2025/8/15	2026/8/14
R&S	EMI Test Receiver	ESR3	102453	2025/6/25	2026/6/24
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:
Please refer to the below plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to plots.

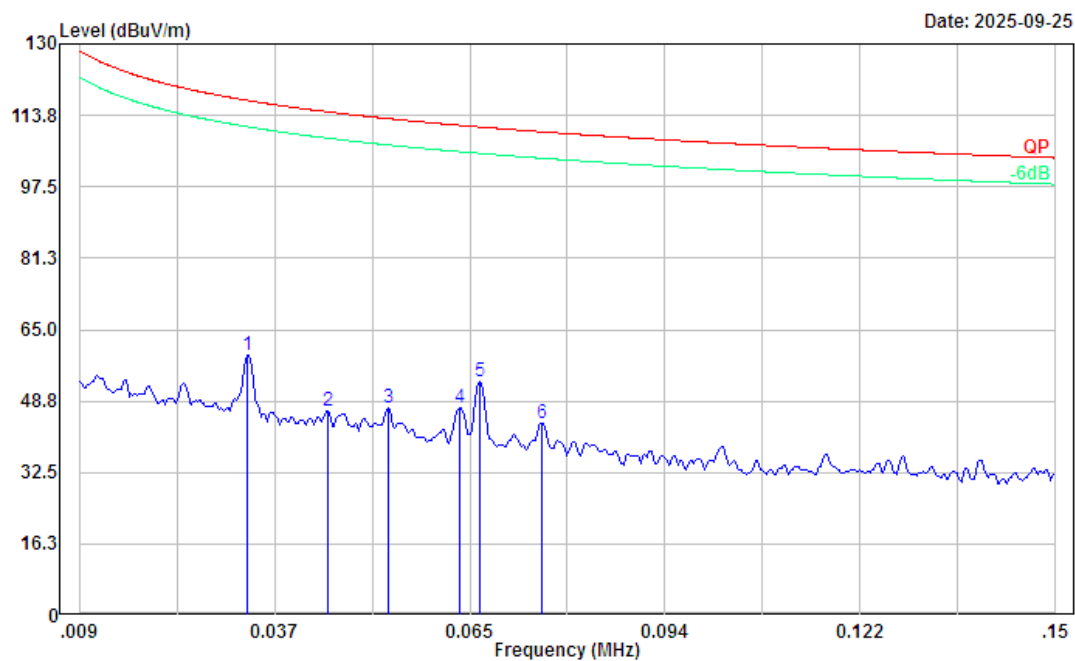
Note: BDR High channel was tested.

9kHz~30MHz

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

Project No.: 2402V85163E-RF-A2
Polarization: Parallel
Test Mode: Transmitting
Note: RBW:200Hz VBW:1kHz

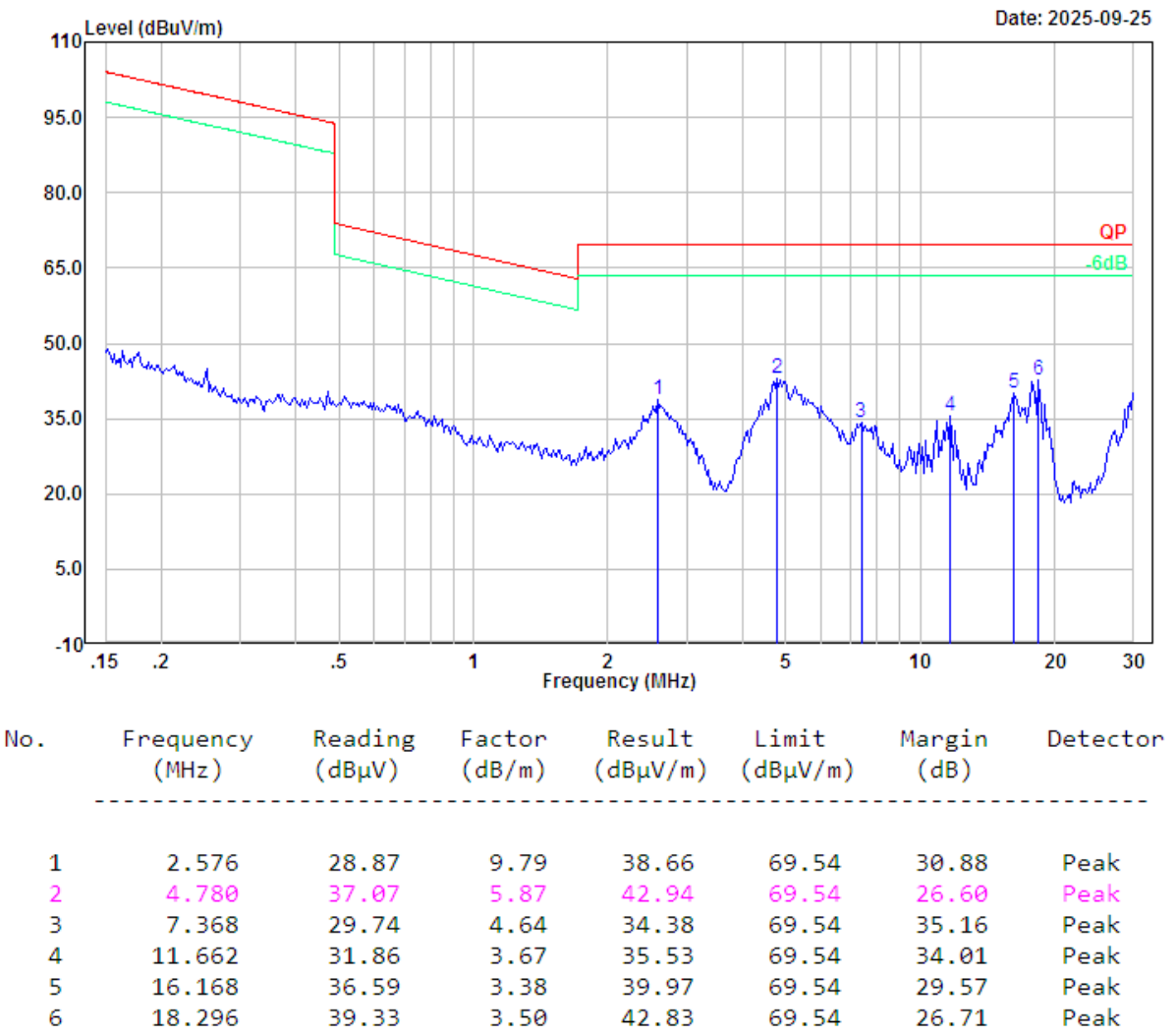
Serial No.: 3752-1
Tester: Lancer Zhang



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.033	12.93	46.10	59.03	117.18	58.15	Peak
2	0.045	2.38	44.14	46.52	114.55	68.03	Peak
3	0.054	4.26	42.80	47.06	113.01	65.95	Peak
4	0.064	6.07	41.12	47.19	111.48	64.29	Peak
5	0.067	12.52	40.64	53.16	111.11	57.95	Peak
6	0.076	4.67	39.08	43.75	110.02	66.27	Peak

Project No.: 2402V85163E-RF-A2
Polarization: Parallel
Test Mode: Transmitting
Note: RBW:9kHz VBW:30kHz

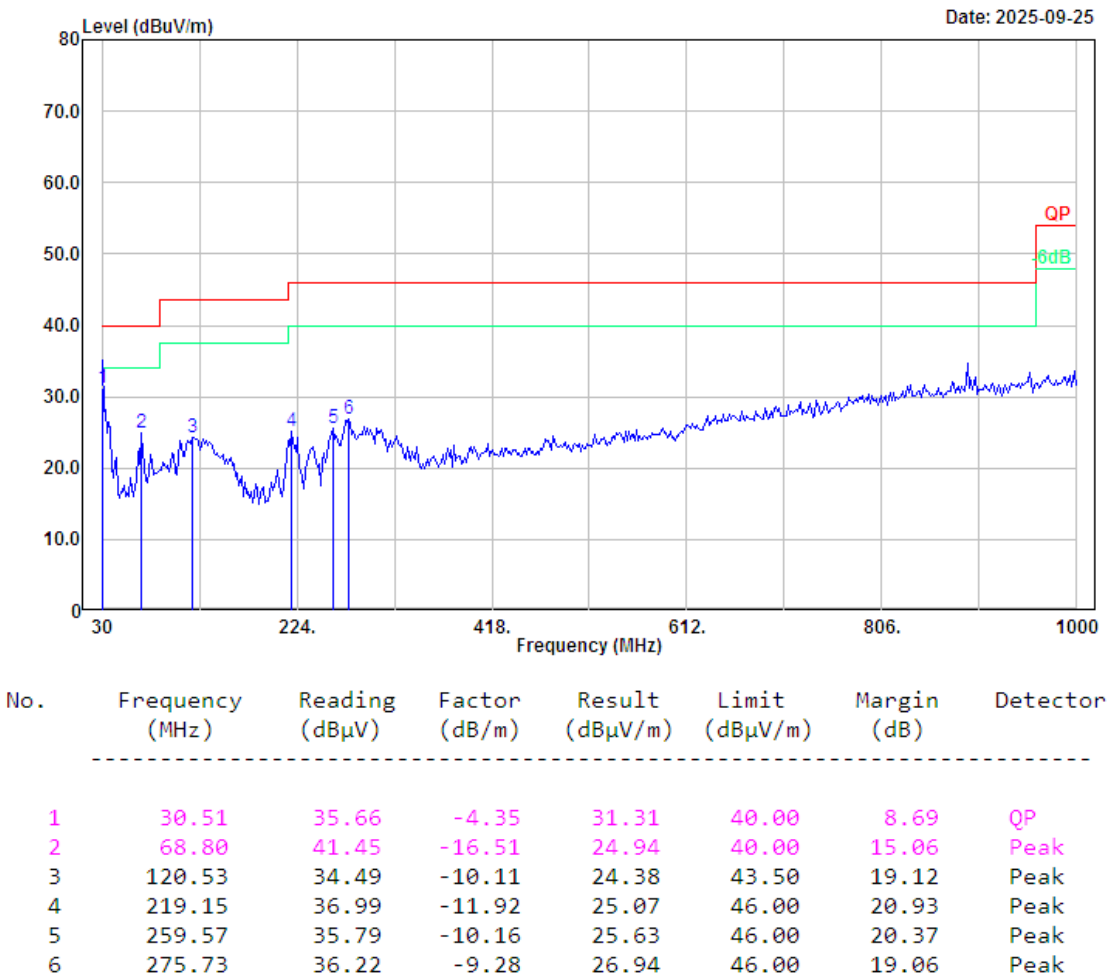
Serial No.: 3752-1
Tester: Lancer Zhang



30MHz-1GHz

Project No.: 2402V85163E-RF-A2
Polarization: Horizontal
Test Mode: Transmitting
Note: RBW:120kHz VBW:500kHz

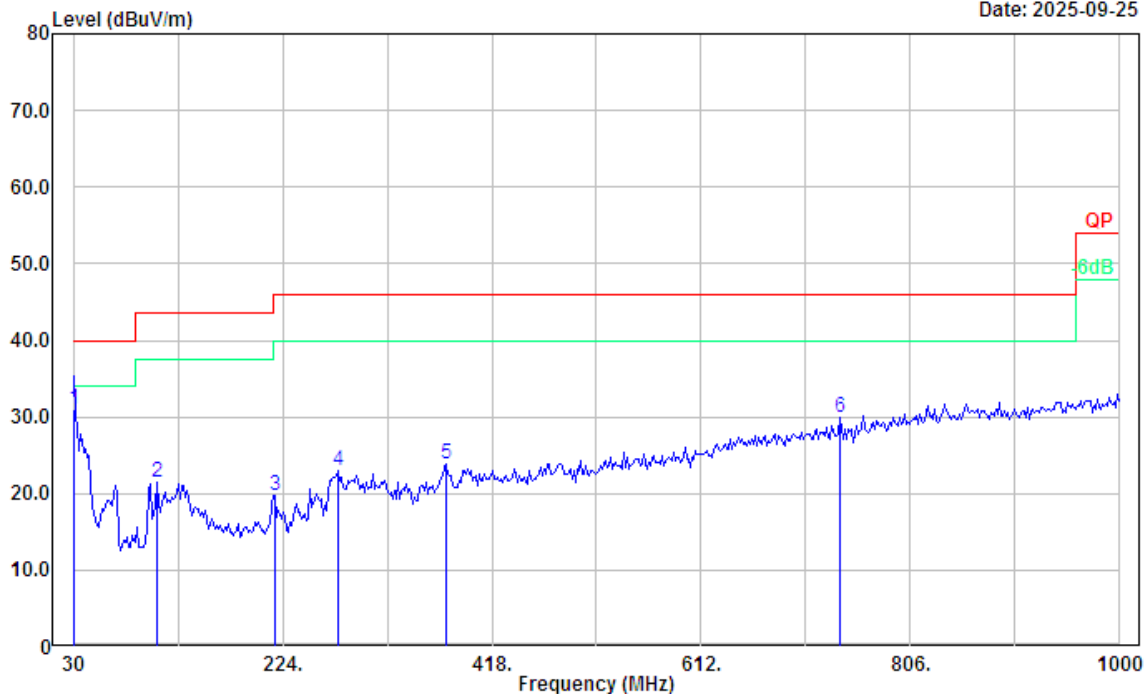
Serial No.: 3752-1
Tester: Lancer Zhang



Project No.: 2402V85163E-RF-A2
Polarization: Vertical
Test Mode: Transmitting
Note: RBW:120kHz VBW:500kHz

Serial No.: 3752-1
Tester: Lancer Zhang

Date: 2025-09-25



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.12	35.24	-4.17	31.07	40.00	8.93	QP
2	107.60	33.26	-11.70	21.56	43.50	21.94	Peak
3	217.53	31.78	-12.02	19.76	46.00	26.24	Peak
4	275.73	32.36	-9.28	23.08	46.00	22.92	Peak
5	375.97	30.63	-6.84	23.79	46.00	22.21	Peak
6	741.33	28.45	1.49	29.94	46.00	16.06	Peak

2) 1-25GHz:

Serial Number:	37S2-1	Test Date:	2025/9/19
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Alan Xie	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.5	Relative Humidity: (%)	46	ATM Pressure: (kPa)	100.2
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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	2023/9/7	2026/9/6
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2023/2/22	2026/2/21
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2024/11/17	2025/11/16
Xinhang Macrowave	Coaxial Cable	XH360A-2.92/J-2.92/J-6M-A	20231208001 #0001	2024/12/9	2025/12/8
AH	Preamplifier	PAM-0118P	469	2025/4/11	2026/4/10
AH	Preamplifier	PAM-1840VH	191	2025/9/4	2026/9/3
R&S	Spectrum Analyzer	FSV40	101944	2025/8/8	2026/8/7
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FCU	DC79902 & DC79905	2025/8/25	2026/8/24

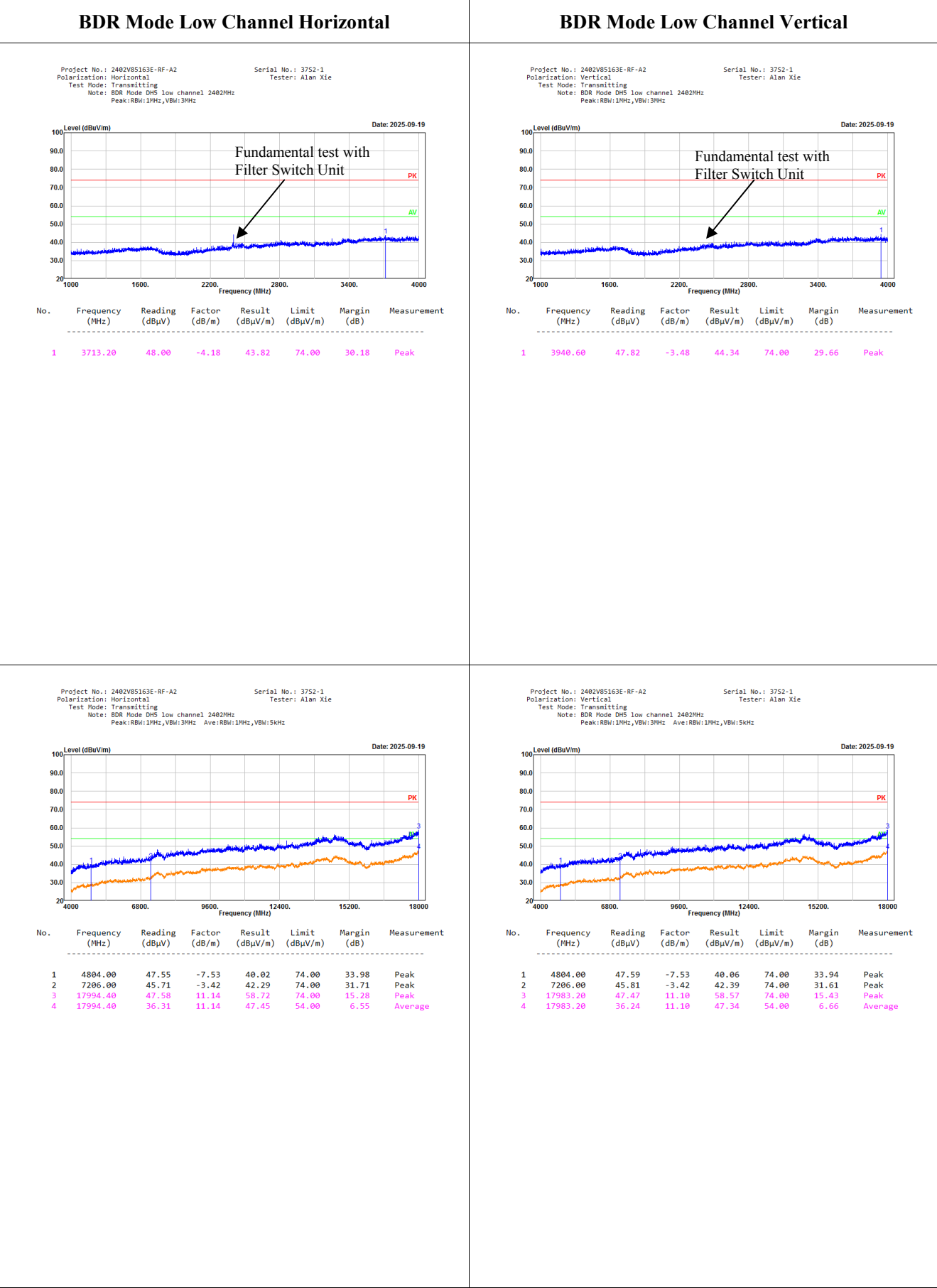
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

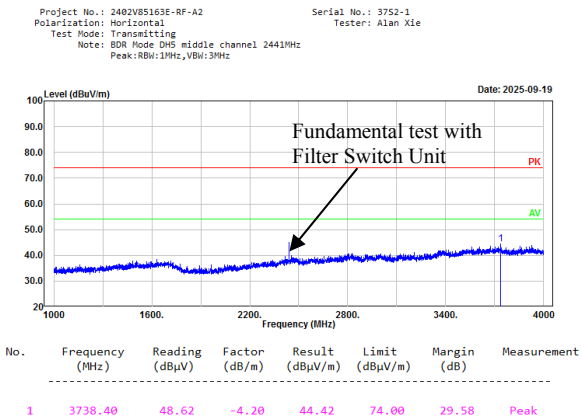
Please refer to the below plots.

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

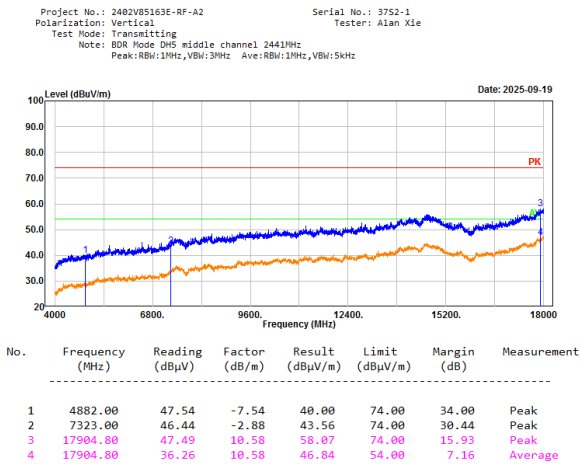
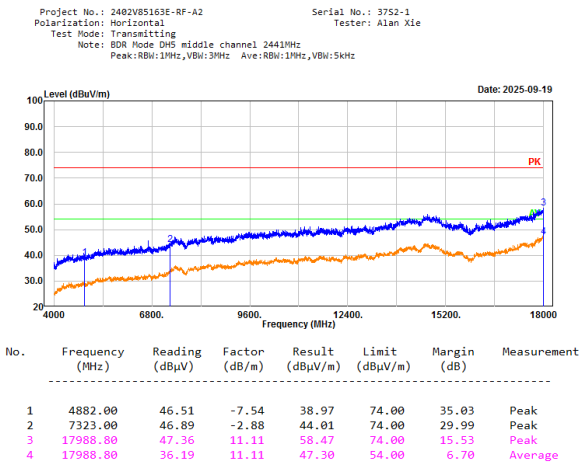
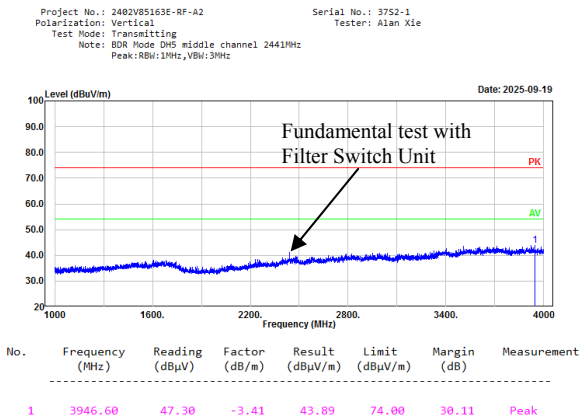
1-18GHz(The maximum output power mode was tested):



BDR Mode Middle Channel Horizontal



BDR Mode Middle Channel Vertical



Project No.: 2402V85163E-RF-A2

Polarization: Horizontal

Test Mode: Transmitting

Note: BDR Mode DHS high channel 2480MHz

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3752-1

Tester: Alan Xie

Level (dBuV/m)

Frequency (MHz)

1000 1600 2200 2800 3400 4000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

Fundamental test with Filter Switch Unit

PK

AV

1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3931.00	47.36	-3.63	43.73	74.00	30.27	Peak

Project No.: 2402V85163E-RF-A2

Polarization: Vertical

Test Mode: Transmitting

Note: BDR Mode DHS high channel 2480MHz

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3752-1

Tester: Alan Xie

Level (dBuV/m)

Frequency (MHz)

1000 1600 2200 2800 3400 4000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

Fundamental test with Filter Switch Unit

PK

AV

1

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3653.20	47.54	-4.06	43.48	74.00	30.52	Peak

Project No.: 2402V85163E-RF-A2

Polarization: Horizontal

Test Mode: Transmitting

Note: BDR Mode DHS high channel 2480MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3752-1

Tester: Alan Xie

Level (dBuV/m)

Frequency (MHz)

4000 6800 9600 12400 15200 18000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

PK

AV

1

2

3

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4960.00	45.95	-7.40	38.55	74.00	35.45	Peak
2	7440.00	47.96	-2.39	45.57	74.00	28.43	Peak
3	17986.00	47.58	11.10	58.68	74.00	15.32	Peak
4	17986.00	36.38	11.10	47.48	54.00	6.52	Average

Project No.: 2402V85163E-RF-A2

Polarization: Vertical

Test Mode: Transmitting

Note: BDR Mode DHS high channel 2480MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3752-1

Tester: Alan Xie

Level (dBuV/m)

Frequency (MHz)

4000 6800 9600 12400 15200 18000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

PK

AV

1

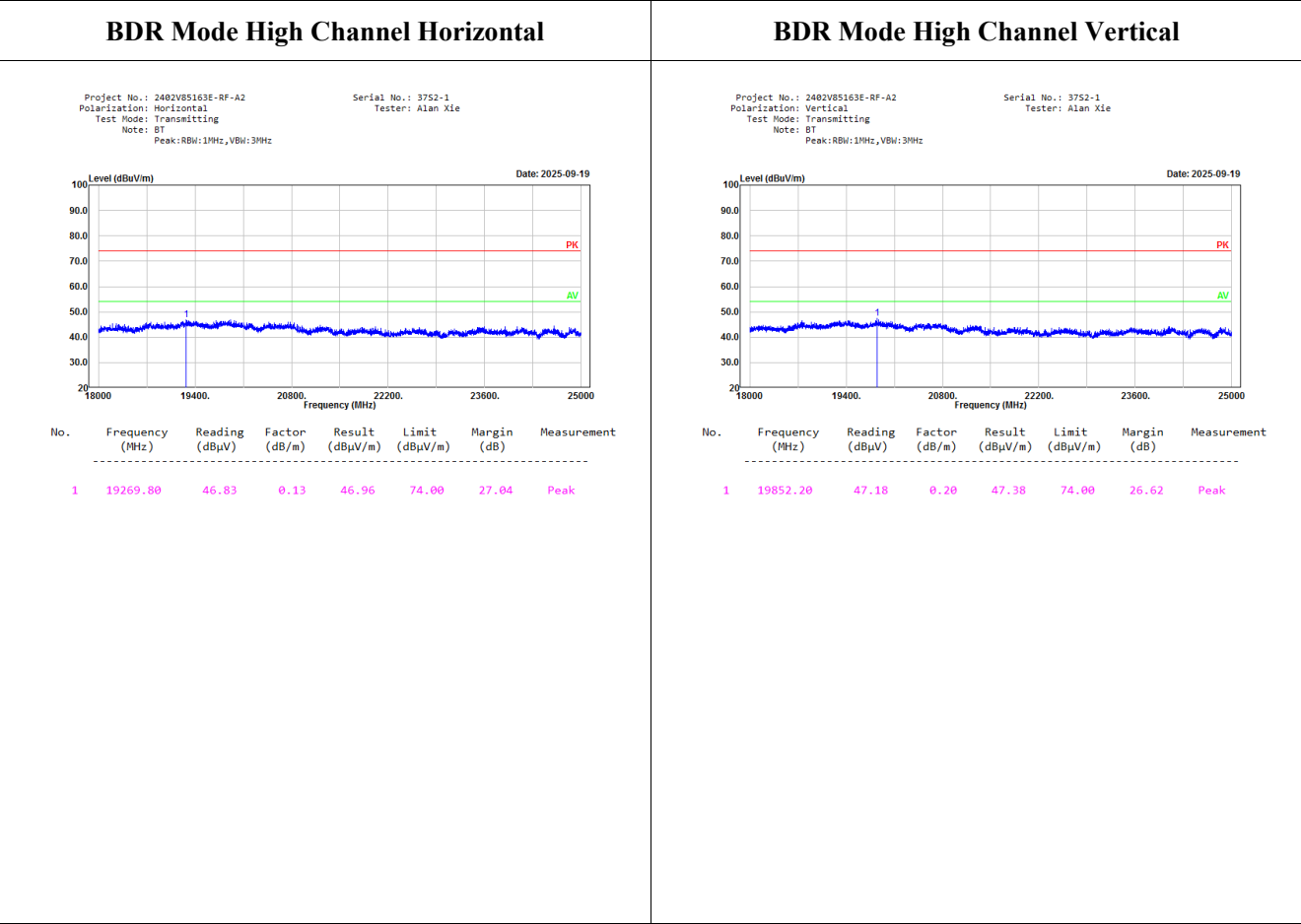
2

3

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4960.00	47.58	-7.40	40.18	74.00	33.82	Peak
2	7440.00	47.15	-2.39	44.76	74.00	29.24	Peak
3	17997.20	47.55	11.15	58.70	74.00	15.30	Peak
4	17997.20	36.23	11.15	47.38	54.00	6.62	Average

18-25GHz:

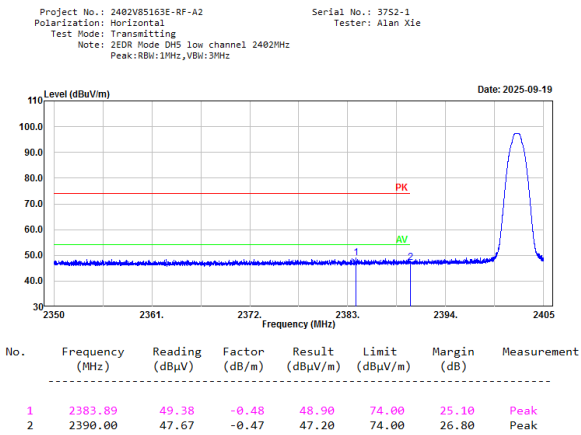
No Emission was detected in the range 18-25GHz, test was performed on the mode and channel which with the maximum power.



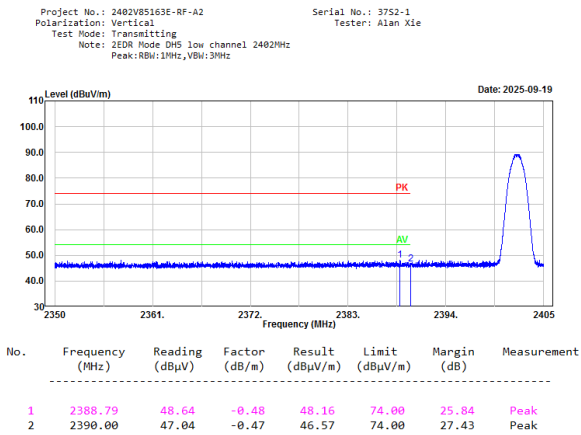
Bandedge:

BDR Mode Low Channel Horizontal				BDR Mode Low Channel Vertical																																																			
Project No.: 2402V85163E-RF-A2 Serial No.: 3752-1 Polarization: Horizontal Tester: Alan Xie Test Mode: Transmitting Note: BDR Mode DHS low channel 2402MHz Peak: RBW:1MHz, VBW:3MHz <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2389.16</td><td>49.08</td><td>-0.48</td><td>48.60</td><td>74.00</td><td>25.40</td><td>Peak</td></tr><tr><td>2</td><td>2390.00</td><td>46.93</td><td>-0.47</td><td>46.46</td><td>74.00</td><td>27.54</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2389.16	49.08	-0.48	48.60	74.00	25.40	Peak	2	2390.00	46.93	-0.47	46.46	74.00	27.54	Peak	Project No.: 2402V85163E-RF-A2 Serial No.: 3752-1 Polarization: Vertical Tester: Alan Xie Test Mode: Transmitting Note: BDR Mode DHS low channel 2402MHz Peak: RBW:1MHz, VBW:3MHz <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2351.02</td><td>49.11</td><td>-0.51</td><td>48.60</td><td>74.00</td><td>25.40</td><td>Peak</td></tr><tr><td>2</td><td>2390.00</td><td>46.90</td><td>-0.47</td><td>46.43</td><td>74.00</td><td>27.57</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2351.02	49.11	-0.51	48.60	74.00	25.40	Peak	2	2390.00	46.90	-0.47	46.43	74.00	27.57	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	2389.16	49.08	-0.48	48.60	74.00	25.40	Peak																																																
2	2390.00	46.93	-0.47	46.46	74.00	27.54	Peak																																																
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	2351.02	49.11	-0.51	48.60	74.00	25.40	Peak																																																
2	2390.00	46.90	-0.47	46.43	74.00	27.57	Peak																																																
BDR Mode High Channel Horizontal				BDR Mode High Channel Vertical																																																			
Project No.: 2402V85163E-RF-A2 Serial No.: 3752-1 Polarization: Horizontal Tester: Alan Xie Test Mode: Transmitting Note: BDR Mode DHS high channel 2480MHz Peak: RBW:1MHz, VBW:3MHz <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2483.50</td><td>46.87</td><td>-0.30</td><td>46.57</td><td>74.00</td><td>27.43</td><td>Peak</td></tr><tr><td>2</td><td>2541.32</td><td>48.85</td><td>-0.05</td><td>48.80</td><td>74.00</td><td>25.20</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2483.50	46.87	-0.30	46.57	74.00	27.43	Peak	2	2541.32	48.85	-0.05	48.80	74.00	25.20	Peak	Project No.: 2402V85163E-RF-A2 Serial No.: 3752-1 Polarization: Vertical Tester: Alan Xie Test Mode: Transmitting Note: BDR Mode DHS high channel 2480MHz Peak: RBW:1MHz, VBW:3MHz <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2483.50</td><td>46.47</td><td>-0.30</td><td>46.17</td><td>74.00</td><td>27.83</td><td>Peak</td></tr><tr><td>2</td><td>2526.71</td><td>48.67</td><td>-0.13</td><td>48.54</td><td>74.00</td><td>25.46</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2483.50	46.47	-0.30	46.17	74.00	27.83	Peak	2	2526.71	48.67	-0.13	48.54	74.00	25.46	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	2483.50	46.87	-0.30	46.57	74.00	27.43	Peak																																																
2	2541.32	48.85	-0.05	48.80	74.00	25.20	Peak																																																
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	2483.50	46.47	-0.30	46.17	74.00	27.83	Peak																																																
2	2526.71	48.67	-0.13	48.54	74.00	25.46	Peak																																																

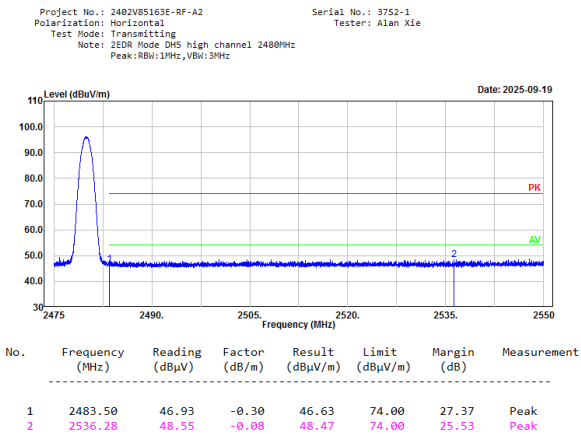
2EDR Mode Low Channel Horizontal



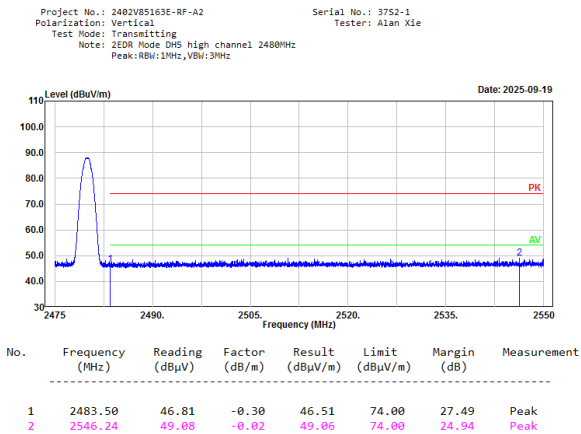
2EDR Mode Low Channel Vertical



2EDR Mode High Channel Horizontal



2EDR Mode High Channel Vertical



3EDR Mode Low Channel Horizontal Project No.: 2402V85163E-RF-A2 Polarization: Horizontal Test Mode: Transmitting Note: 3EDR Mode DHS low channel 2402MHz Peak: RBW:1MHz,VBW:3MHz Serial No.: 3752-1 Tester: Alan Xie Date: 2025-09-19 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2388.53</td><td>49.00</td><td>-0.47</td><td>48.53</td><td>74.00</td><td>25.47</td><td>Peak</td></tr><tr><td>2</td><td>2390.00</td><td>46.60</td><td>-0.47</td><td>46.13</td><td>74.00</td><td>27.87</td><td>Peak</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2388.53	49.00	-0.47	48.53	74.00	25.47	Peak	2	2390.00	46.60	-0.47	46.13	74.00	27.87	Peak	3EDR Mode Low Channel Vertical Project No.: 2402V85163E-RF-A2 Polarization: Vertical Test Mode: Transmitting Note: 3EDR Mode DHS low channel 2402MHz Peak: RBW:1MHz,VBW:3MHz Serial No.: 3752-1 Tester: Alan Xie Date: 2025-09-19 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2383.99</td><td>49.21</td><td>-0.48</td><td>48.73</td><td>74.00</td><td>25.27</td><td>Peak</td></tr><tr><td>2</td><td>2390.00</td><td>47.13</td><td>-0.47</td><td>46.66</td><td>74.00</td><td>27.34</td><td>Peak</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2383.99	49.21	-0.48	48.73	74.00	25.27	Peak	2	2390.00	47.13	-0.47	46.66	74.00	27.34	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																										
1	2388.53	49.00	-0.47	48.53	74.00	25.47	Peak																																										
2	2390.00	46.60	-0.47	46.13	74.00	27.87	Peak																																										
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2	2390.00	47.13	-0.47	46.66	74.00	27.34	Peak																																										
3EDR Mode High Channel Horizontal Project No.: 2402V85163E-RF-A2 Polarization: Horizontal Test Mode: Transmitting Note: 3EDR Mode DHS high channel 2480MHz Peak: RBW:1MHz,VBW:3MHz Serial No.: 3752-1 Tester: Alan Xie Date: 2025-09-19 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2483.50</td><td>46.11</td><td>-0.30</td><td>45.81</td><td>74.00</td><td>28.19</td><td>Peak</td></tr><tr><td>2</td><td>2491.97</td><td>49.07</td><td>-0.28</td><td>48.79</td><td>74.00</td><td>25.21</td><td>Peak</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2483.50	46.11	-0.30	45.81	74.00	28.19	Peak	2	2491.97	49.07	-0.28	48.79	74.00	25.21	Peak	3EDR Mode High Channel Vertical Project No.: 2402V85163E-RF-A2 Polarization: Vertical Test Mode: Transmitting Note: 3EDR Mode DHS high channel 2480MHz Peak: RBW:1MHz,VBW:3MHz Serial No.: 3752-1 Tester: Alan Xie Date: 2025-09-19 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>2483.50</td><td>46.69</td><td>-0.30</td><td>46.39</td><td>74.00</td><td>27.61</td><td>Peak</td></tr><tr><td>2</td><td>2515.41</td><td>49.00</td><td>-0.18</td><td>48.82</td><td>74.00</td><td>25.18</td><td>Peak</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	2483.50	46.69	-0.30	46.39	74.00	27.61	Peak	2	2515.41	49.00	-0.18	48.82	74.00	25.18	Peak
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2	2515.41	49.00	-0.18	48.82	74.00	25.18	Peak																																										

5.3 Spot Check With Maximum Conducted Output Power

Test Information:

Serial No.:	37S2-3	Test Date:	2025/9/25
Test Site:	RF	Test Mode:	Transmitting
Tester:	Conor Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.5	Relative Humidity: (%)	56	ATM Pressure: (kPa)	99.5
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Test Equipment List and Details:

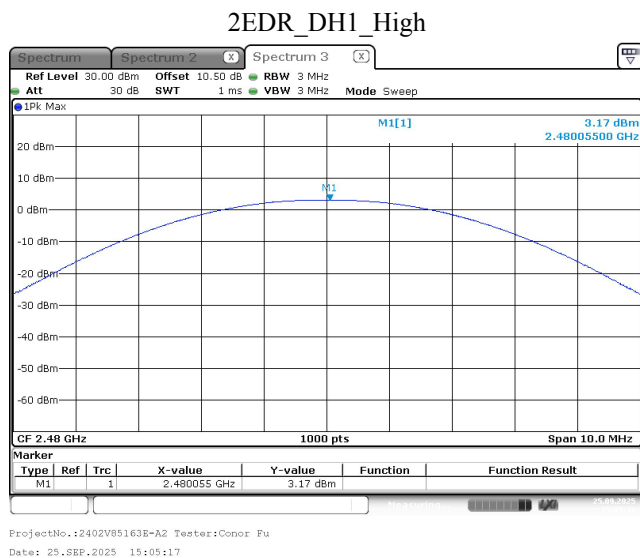
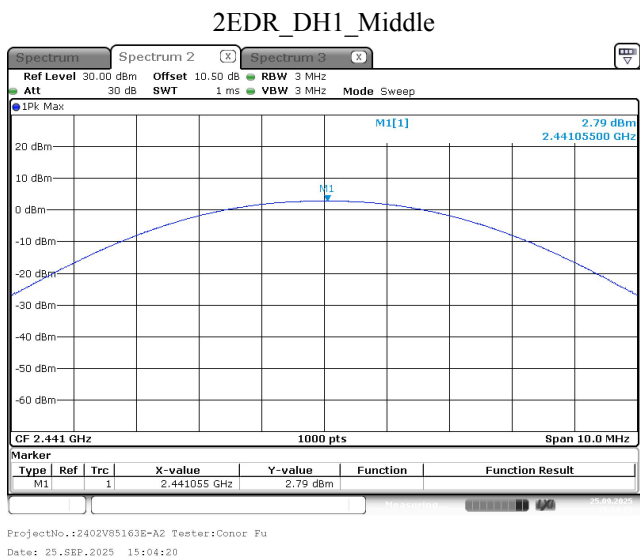
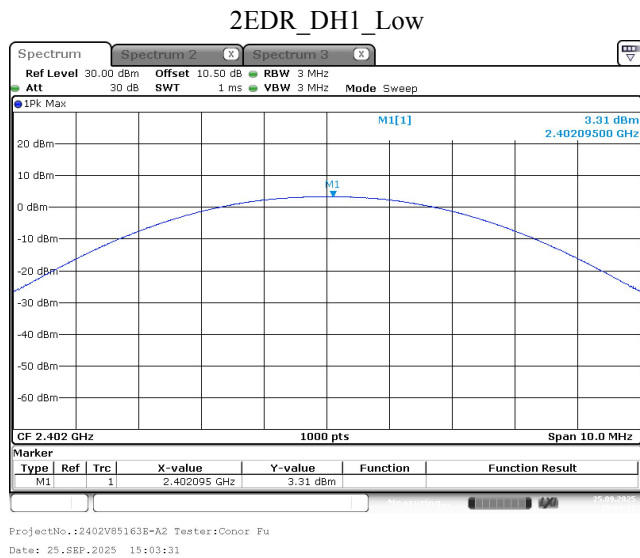
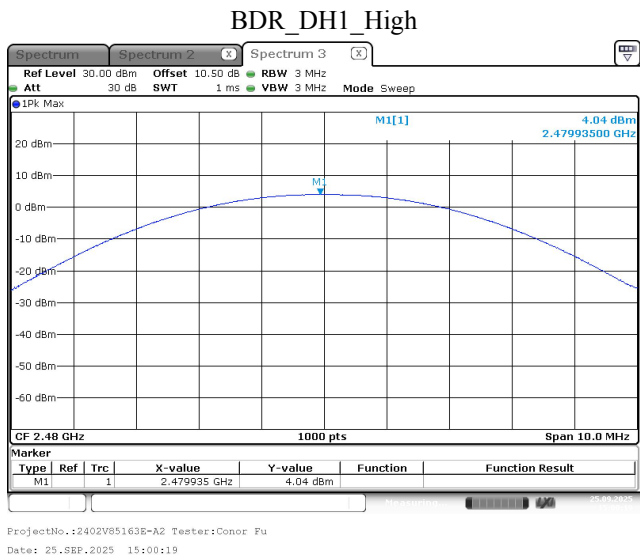
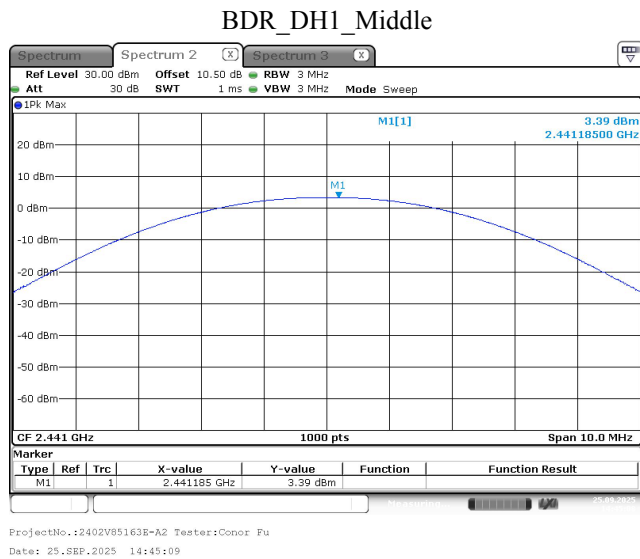
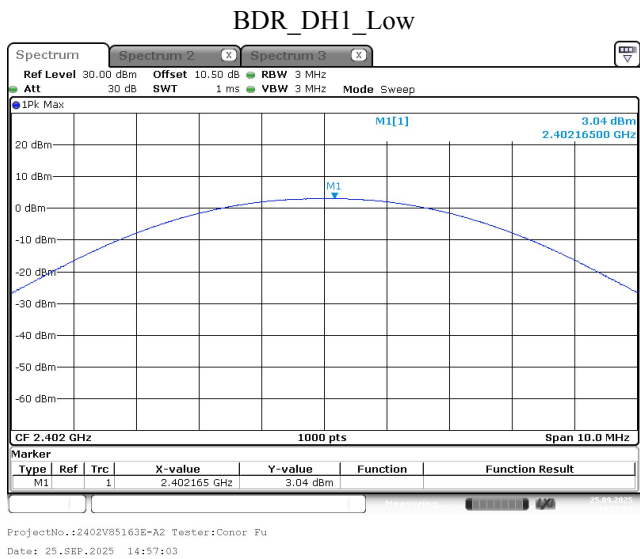
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/6/6	2026/6/5

* 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).

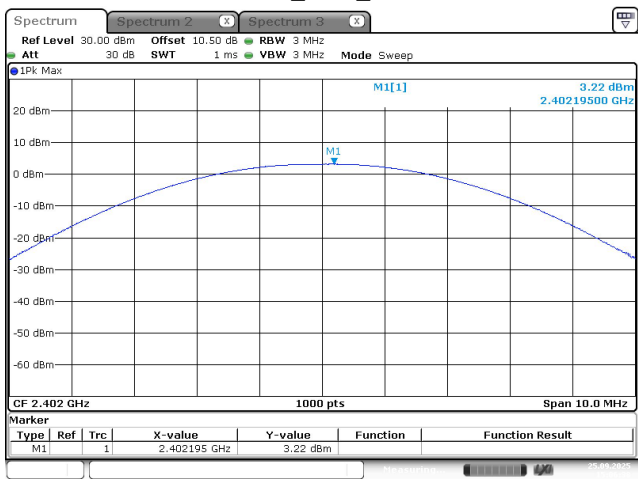
Test Data:

Test Modes	Test Frequency (MHz)	Peak Conducted Output Power (dBm)	Limits (dBm)
BDR Mode (GFSK)	2402	3.04	21
	2441	3.39	21
	2480	4.04	21
EDR Mode (π /4-DQPSK)	2402	3.31	21
	2441	2.79	21
	2480	3.17	21
EDR Mode (8DPSK)	2402	3.22	21
	2441	2.87	21
	2480	3.16	21

Note: The Spot Check data were similar to the original data.

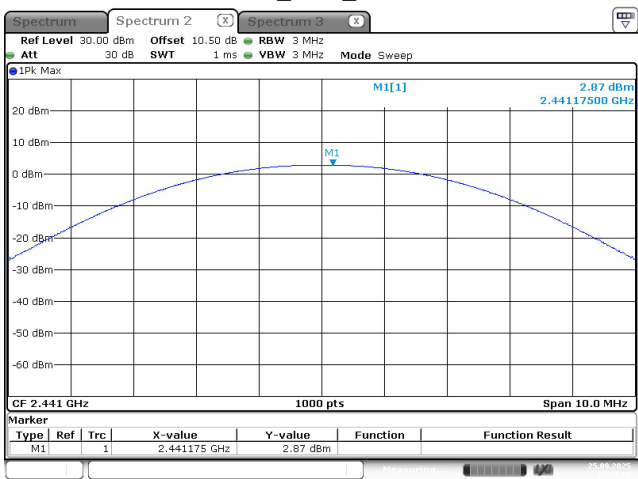


3EDR_DH1_Low



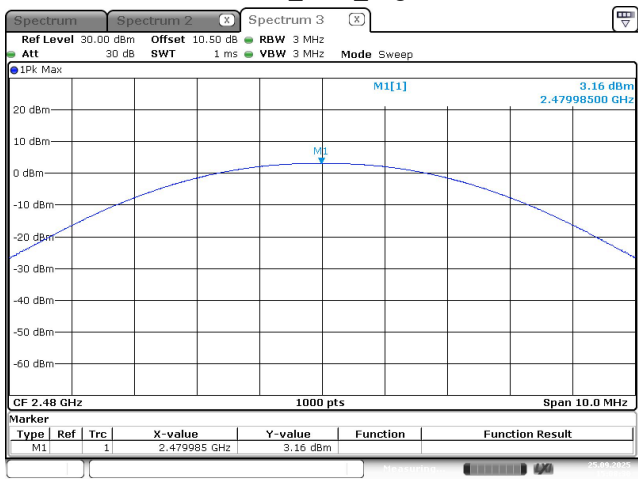
ProjectNo.:2402V85163E-A2 Tester:Conor Fu
Date: 25.SEP.2025 15:06:39

3EDR_DH1_Middle



ProjectNo.:2402V85163E-A2 Tester:Conor Fu
Date: 25.SEP.2025 15:07:10

3EDR_DH1_High



ProjectNo.:2402V85163E-A2 Tester:Conor Fu
Date: 25.SEP.2025 15:08:30

5.4 Conducted Spurious Emission

Test Information:

Serial No.:	37S2-3	Test Date:	2025/10/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Conor Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.5
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Test Equipment List and Details:

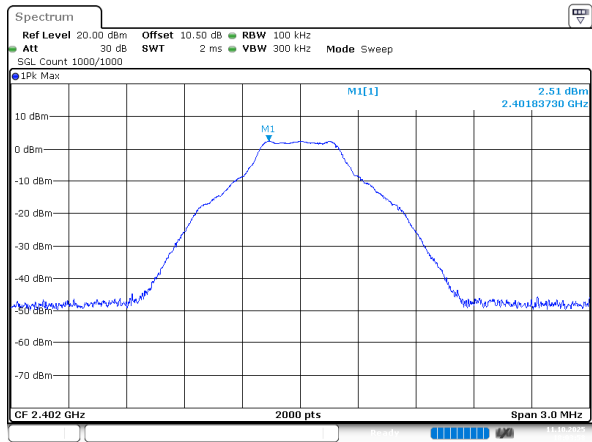
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HUBER+SUHNER	Coaxial Attenuator	6610_SMA-50-1	0064	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27

** 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:

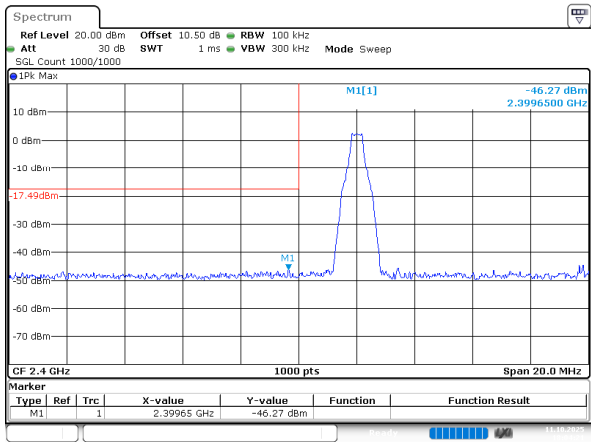
Note: The maximum path attenuation of 30MHz-25GHz was added into the offset.

BDR_DH1_Low



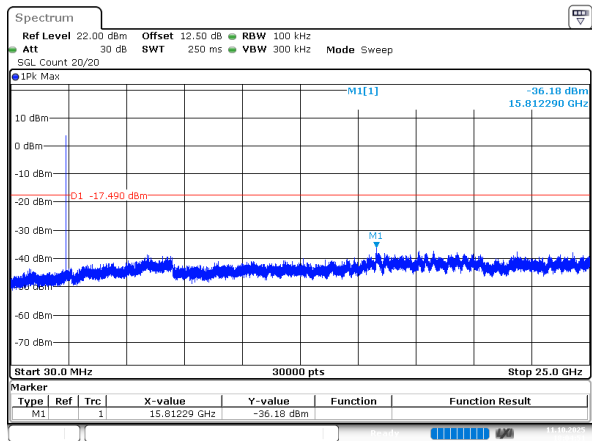
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Date: 11.OCT.2025 18:03:59

BDR_DH1_Low



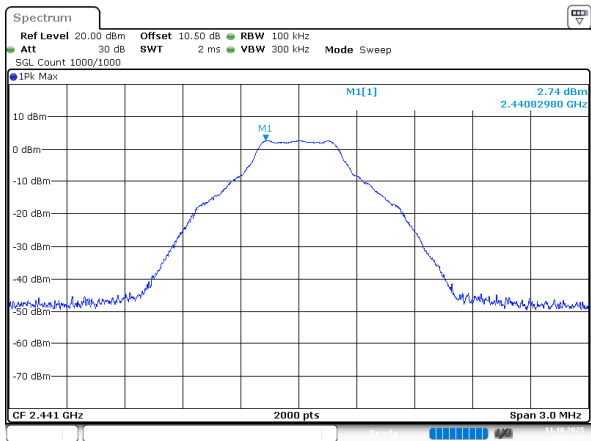
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Date: 11.OCT.2025 18:04:21

BDR_DH1_Low



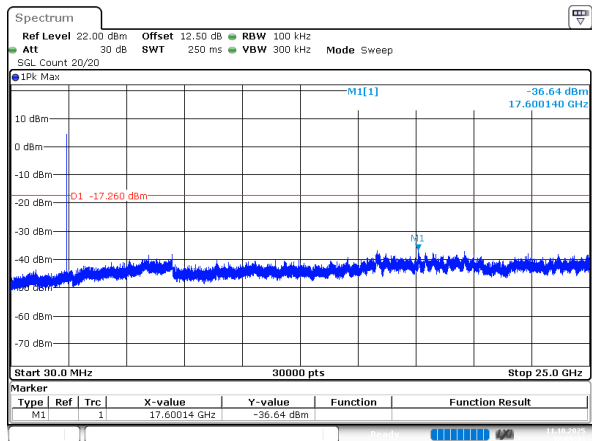
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Date: 11.OCT.2025 18:04:52

BDR_DH1_Middle



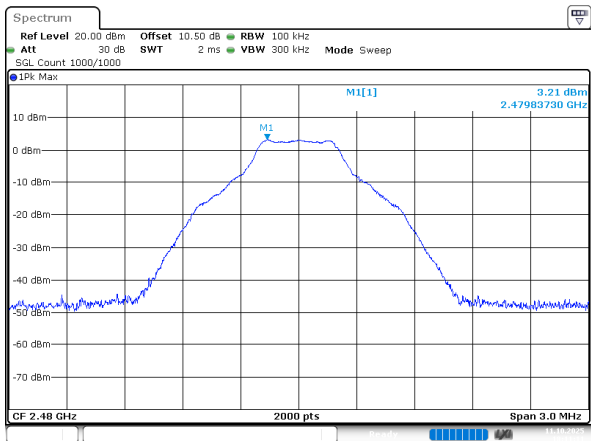
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Date: 11.OCT.2025 18:08:35

BDR_DH1_Middle



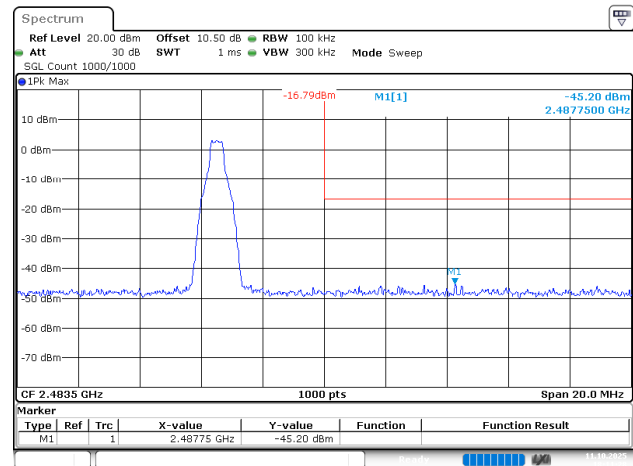
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Date: 11.OCT.2025 18:09:04

BDR_DH1_High



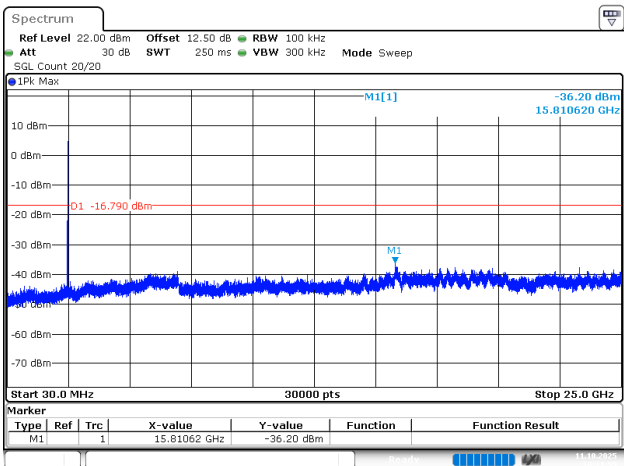
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Date: 11.OCT.2025 18:11:12

BDR_DH1_High



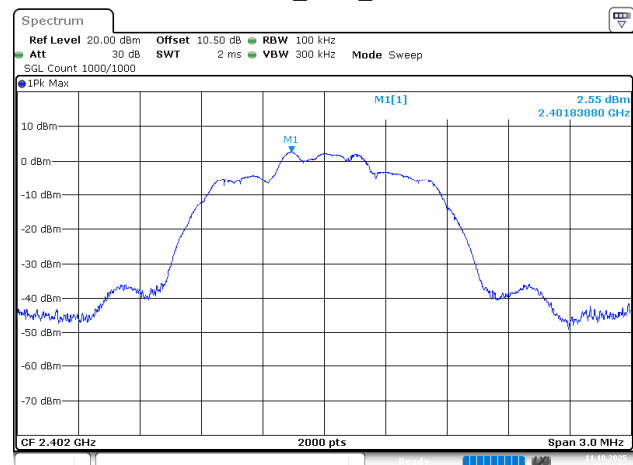
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Date: 11.OCT.2025 18:11:29

BDR_DH1_High



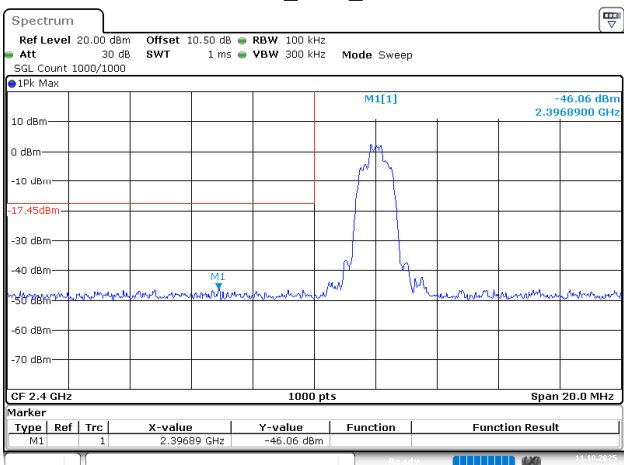
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Date: 11.OCT.2025 18:11:56

2EDR_DH1_Low



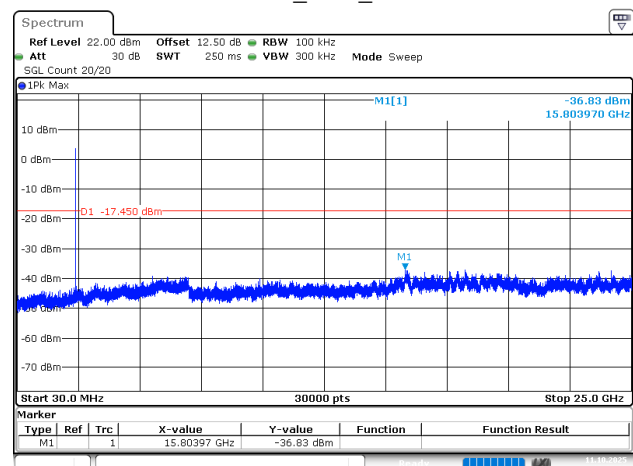
ProjectNo.:2402V85163E-RF-A2 Tester:Conor Fu
Date: 11.OCT.2025 18:14:27

2EDR_DH1_Low



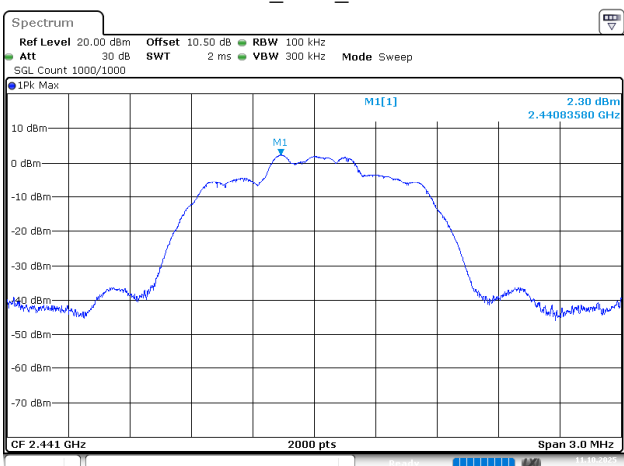
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Date: 11.OCT.2025 18:14:50

2EDR_DH1_Low



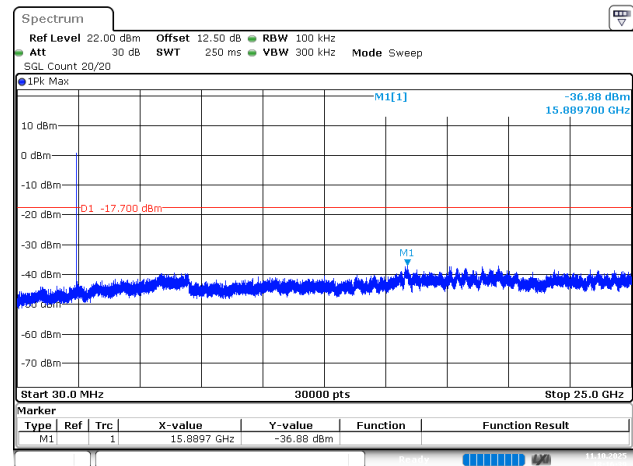
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Date: 11.OCT.2025 18:15:17

2EDR_DH1_Middle



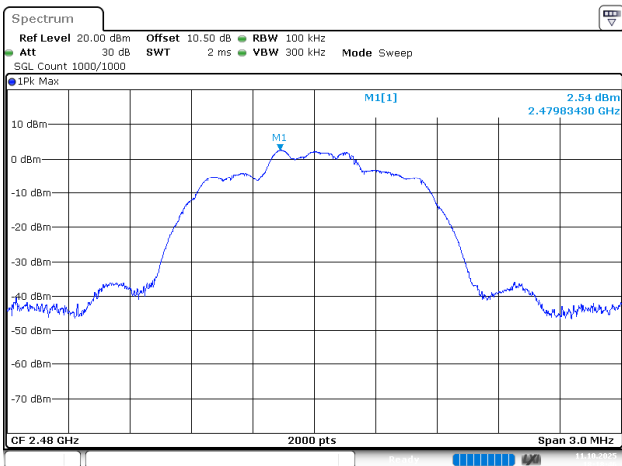
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Date: 11.OCT.2025 18:16:11

2EDR_DH1_Middle



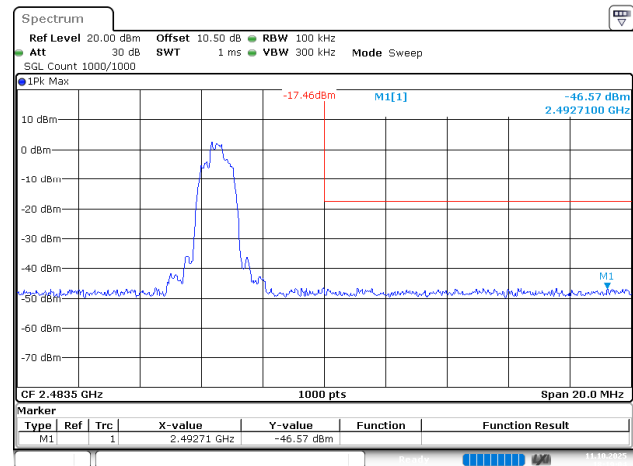
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Date: 11.OCT.2025 18:16:40

2EDR_DH1_High



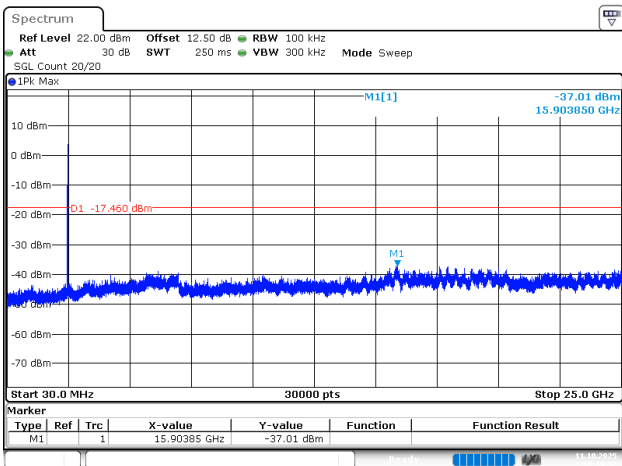
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Date: 11.OCT.2025 18:18:47

2EDR_DH1_High



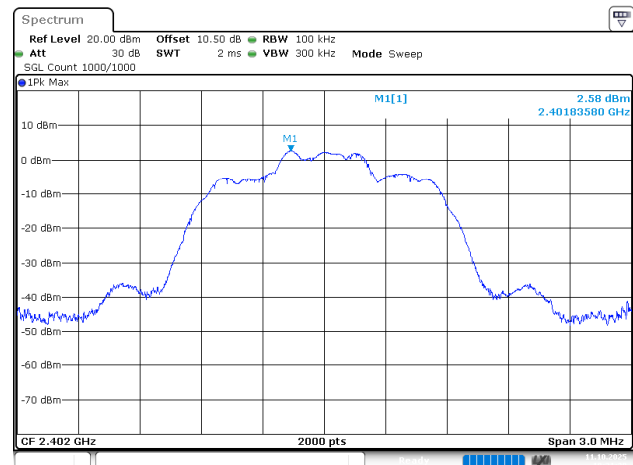
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Date: 11.OCT.2025 18:19:05

2EDR_DH1_High



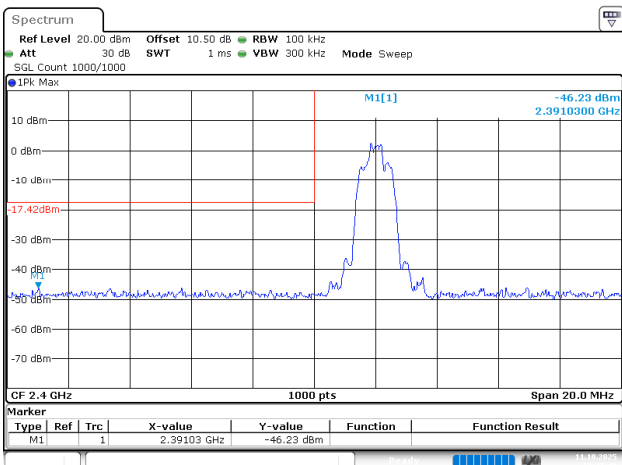
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Date: 11.OCT.2025 18:19:33

3EDR_DH1_Low



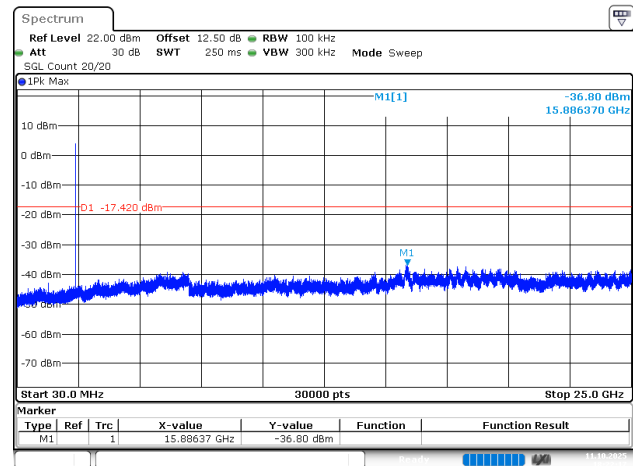
ProjectNo.:2402V85163E-RF-A2 Tester:Conor Fu
Date: 11.OCT.2025 18:21:28

3EDR_DH1_Low



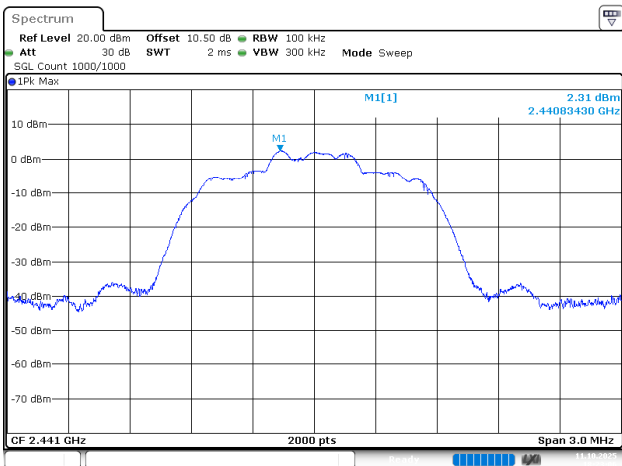
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Date: 11.OCT.2025 18:21:50

3EDR_DH1_Low



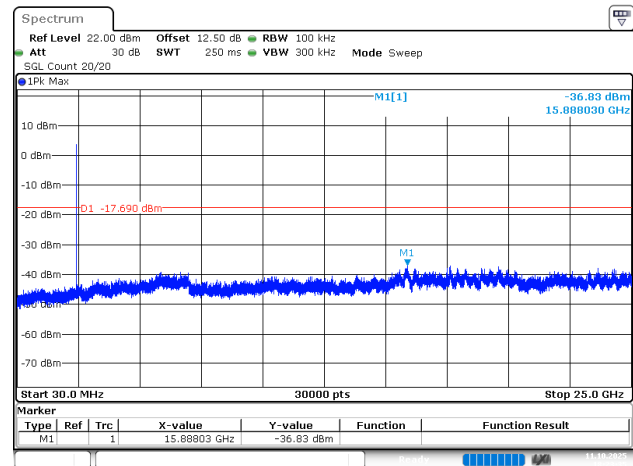
ProjectNo.:2402V85163E-RF-A2 Tester:Conor Fu
Date: 11.OCT.2025 18:22:18

3EDR_DH1_Middle



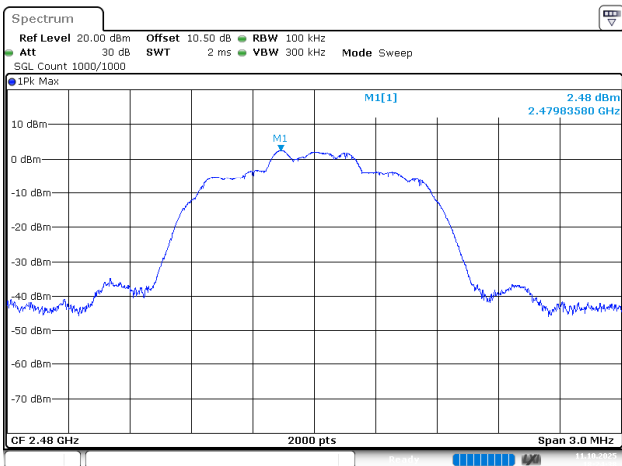
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Date: 11.OCT.2025 18:23:06

3EDR_DH1_Middle



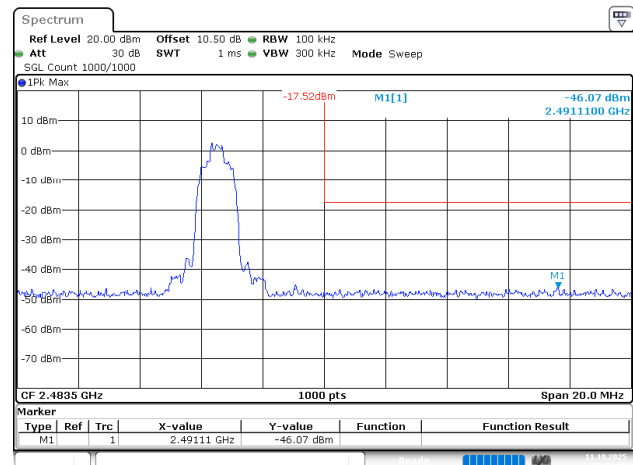
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Date: 11.OCT.2025 18:23:35

3EDR_DH1_High



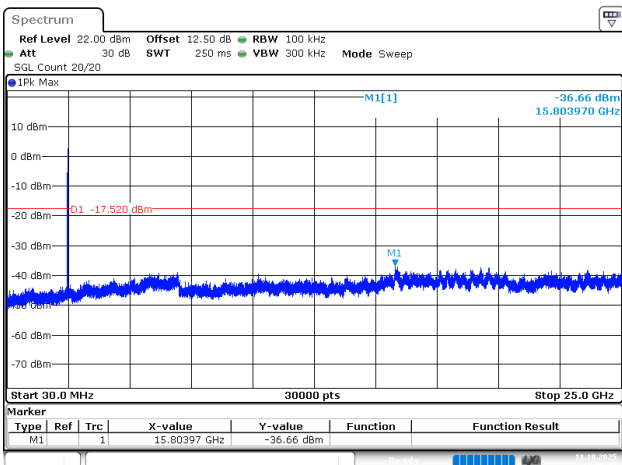
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Date: 11.OCT.2025 18:24:38

3EDR_DH1_High



ProjectNo.:2402V85163E-RF-A2 Tester:Conor Fu
Date: 11.OCT.2025 18:24:55

3EDR_DH1_High



ProjectNo.:2402V85163E-RF-A2 Tester:Conor Fu
Date: 11.OCT.2025 18:25:23

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402V85163E-RF-A2-EXP EUT EXTERNAL PHOTOGRAPHS and 2402V85163E-RF-A2-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402V85163E-RF-00AA2-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

SAR test exclusion

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 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 4.5 dBm (2.82 mW).

$$\left[\frac{\text{max. power of channel, mW}}{\text{min. test separation distance, mm}} \right] [\sqrt{f(\text{GHz})}]$$
$$= 2.82/5 \cdot (\sqrt{2.480}) = 0.9 < 3.0$$

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 *****