



FCC Test Report



Report Number : 6128626005103

Applicant : Inlumen Technologies Co., Ltd.

Product : QUEST Thermal Imaging Binoculars

Brand : Nocpix

Model : QUEST S50R

FCC ID : 2BHFB-QUEST-00

Applicable Standard:

FCC Subpart 15.247

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	Jack Chang		2026-03-12
Prepared By	Ariel Hsu		2026-03-12

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service control rules.

EXECUTIVE SUMMARY

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1 General Information

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	Initial Issue	2026-02-05
2	Removed Peak power according to test report of original granted	2026-03-04
3	Corrected test equipment and Antenna information	2026-03-12

1.2 Introduction

The information contained in this report is intended to show verification of RF qualification approval. The testing requirements of the standards for the tests listed in Section 1.4.

Applicant : Inlumen Technologies Co., Ltd.
Address : Room 806, A1, Phase 3, Innovation Industrial Park,
Intersection of Hou Dian Road and Wan Shui Road, Hefei
City, Anhui Province, China.
Manufacturer : Inlumen Technologies Co., Ltd.
Brand Name : Nocpix
Product Name : QUEST Thermal Imaging Binoculars
Model Number(s) : QUEST S50R
Date of Receipt of EUT : 2026-01-23
Start of Test : 2026-01-28
Finish of Test : 2026-02-05
Test Laboratory : TÜV SÜD Asia Ltd., Taiwan Branch
7F., No. 37, Sec. 2, Zhongyang S. Rd., Beitou District, Taipei
City 11270, R.O.C. Taiwan
Test Location : Guishan Laboratory
No. 31, Dinghu Road, Guishan District, Taoyuan City, TAIWAN
(R.O.C.)

The test facility is accredited by TAF (member of ILAC), under number 2573 according to ISO/IEC 17025: 2017.

FCC OET Designation Number: TW2573

1.3 Reference Measurement Document

- ☒ ANSI C63.10-2020
- ☒ KDB 558074 D01 15.247 Meas Guidance v05r02
- ☐ KDB 662911 D01 Multiple Transmitter Output v02r01
- ☒ KDB 178919 D01 Permissive Change Policy v06

1.4 Brief Summary of Test Results

§ 15.247			
Clause	Test item	Result	Remark
§15.203	Antenna Requirement	Compliant	
§15.247(b)(3)	Peak Conducted Output Power	Compliant	
§15.247(a)(2)	6 dB Bandwidth	Not applicable	*
§15.247(e)	Peak Power Spectral Density	Not applicable	*
§15.247(d)	Conducted Spurious Emission	Not applicable	*
§15.247(d)& 15.209	Radiated Spurious Emissions and Band Edges	Compliant	
§15.207	AC Power Line Conducted Emission	Compliant	

Note:

- This is a C2PC application based on the C2PC granted on 2025/6/24. The detailed changes
 * information refer to section 2.3 and output power is demonstrated identical. The changes do not have effects on RF parameters.

2 General EUT Information

2.1 Technical Specification of EUT

Items	EUT information
Operating Frequency	2.412GHz - 2.462GHz
Number of Channels	11 for 20 MHz BW mode
Hardware Version	V2_1
Software Version	0130.0119.010602
Operating Voltage	3.6Vdc via Battery
Data Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n-HT20: up to 72.2 Mbps
Modulation	DSSS, OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
TX Streaming Mode	☒ SISO ☐ MIMO, 2T2R ☐ 2TX for Diversity
Sample ID	718876043-E1-001

TÜV SÜD Asia Ltd assumes no responsibility for any technical specification (including antenna information) provided by the applicant.

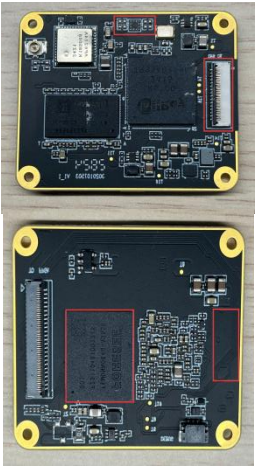
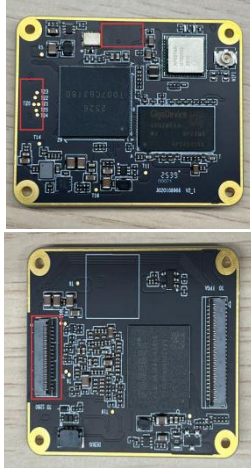
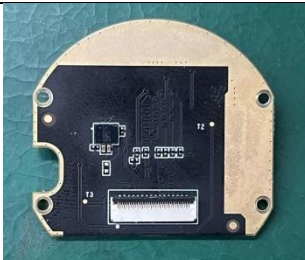
2.2 Antenna List

The device employs a semi-permanently attached antenna with a unique antenna connector. The antenna has been confirmed to be fully compliant with the requirements of FCC §15.203.

Antenna Type	Manufacturer	Model	Connector	Freq. (MHz)	Peak Antenna Gain (dBi)
FPC	Dongguan Haonuo Electronics Co., Ltd.	NB2509W-2.4	Mini Connector	2400-2500	3

2.3 Variation of family model(s)

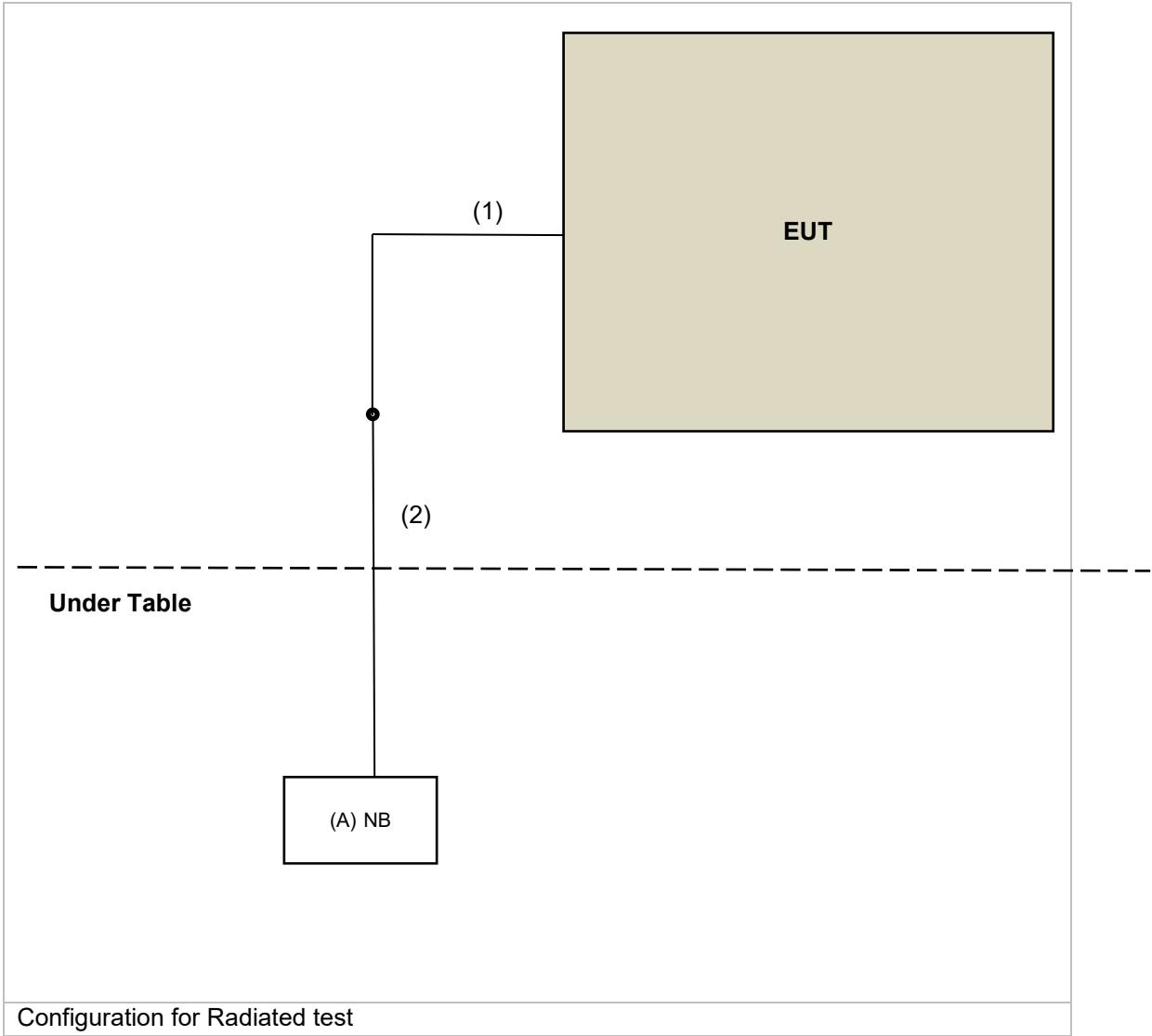
2.3.1 List of family model(s)

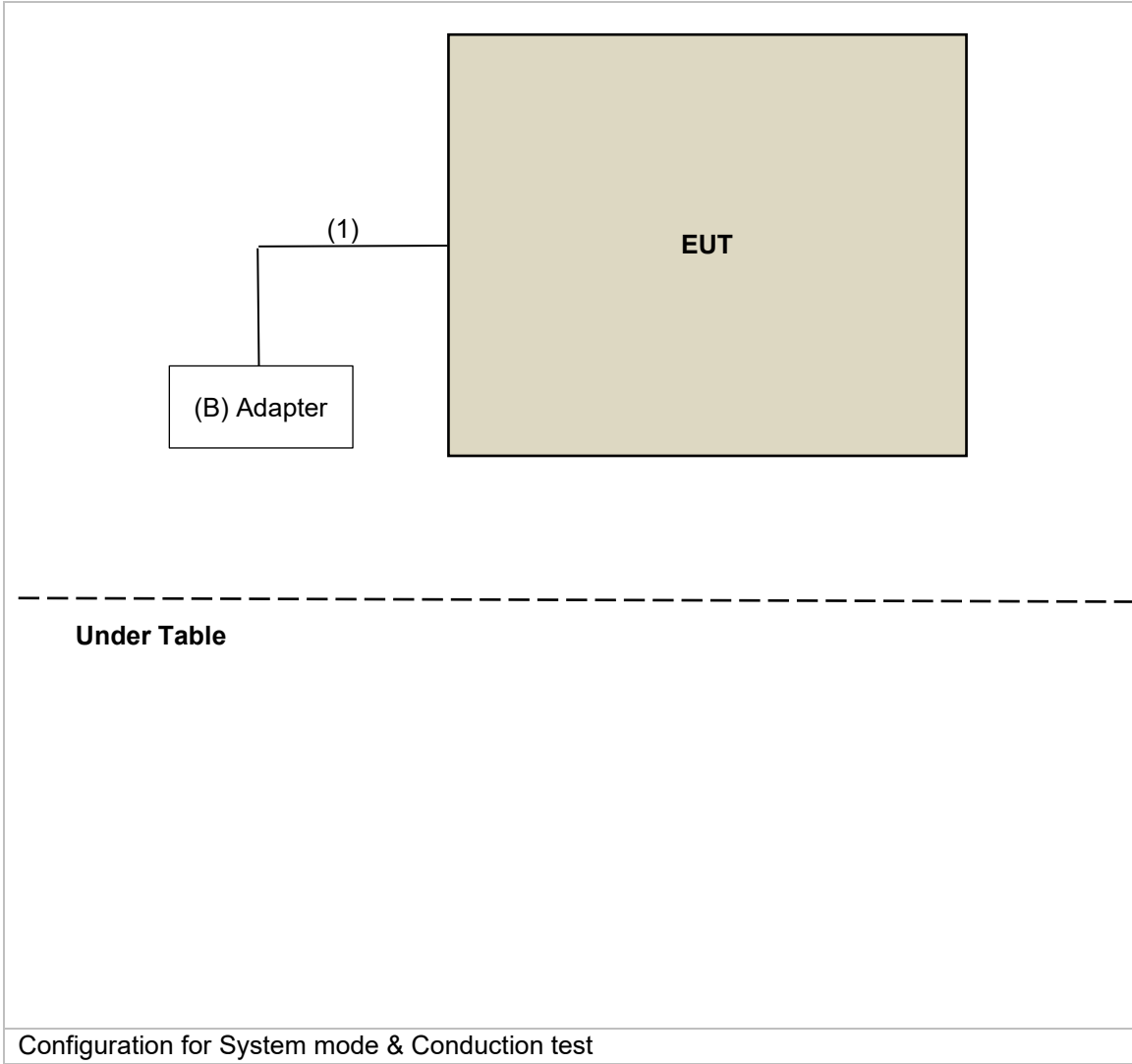
	QUEST H50R/QUEST H35R/ QUEST L35R	QUEST S50R	Change Point
Main Control Board			The connection to the camera module has been changed from a DVP interface to an MIPI interface; the camera connector has been updated from a 33-pin to a 35-pin version and relocated from the top layer to the bottom layer; the eMMC component model has been replaced; component layout has been optimized; and capacitor values have been optimized.
Camera Module Adapter Board		/	Eliminate the camera module adapter board
Camera module flexible cable			Add a board-to-board connector to the cable, and mount an IMU and SMD resistors/capacitors.
Power supply board			Change the values of two resistors, both to be smaller; all other aspects remain the same.



3 EUT Setup Configuration

3.1 Block Diagram





3.2 Support Equipment

No.	Product	Brand	Model No.	Serial No.	Remarks
A	Laptop	Lenovo	TP00048A	PC-00NQMT	Provided by Lab
B	Adapter	Apple	A1385	N/A	Provided by Lab

*The software is used to configure the EUT on the desired channel, BW and power settings for compliance testing.

3.3 Support Cable(s)

No.	Product	Brand	Model No.	Length (m)	Remarks
1	USB cable	IQOS	USB Type C	1	Provided by Lab
2	extension USB cable	Benevo	BUSB0300AMF	5	Provided by Lab

3.4 Channel list and Power Setting

Channel Number	Frequency (MHz)	Power Setting (802.11b)	Power Setting (802.11g)	Power Setting (802.11n-HT20)
1	2412	Default	Default	Default
2	2417	Default	Default	Default
3	2422	Default	Default	Default
4	2427	Default	Default	Default
5	2432	Default	Default	Default
6	2437	Default	Default	Default
7	2442	Default	Default	Default
8	2447	Default	Default	Default
9	2452	Default	Default	Default
10	2457	Default	Default	Default
11	2462	Default	Default	Default

3.5 Test Configuration

The EUT was configured to operate at its maximum power control level and set to a continuous transmitting and receiving state via the test software for all testing procedures.

3.5.1 RF Conducted Measurement

Test Item	Mode	Tested Channel	Date Rate (Mbps)
Peak Output Power, Maximum Spectral Power Density, Emission Bandwidth/ 6 dB Bandwidth Conducted Spurious Emission	802.11b	1, 6, 11	1
	802.11g	1, 6, 11	6
	802.11n-HT20	1, 6, 11	MCS0

3.5.2 Radiated Spurious Emission

☐ Mobile Device

☒ Portable Device and 3 axis (X, Y, Z) were assessed. ☒ Lie(X) ☐ Stand(Y) ☐ Side(Z) was identified as the worst-case and is presented in the report.

The emission tests were performed with the EUT and accessories arranged and configured in a manner that tends to produce maximum emissions.

Radiated Spurious Emissions (Below 1 GHz)

Below tested channels were the worst-case of each modulation family determined in accordance with ANSI C63.10, clause 5.6.2.2 (b).

Mode	Tested Channel	Date Rate (Mbps)
802.11b	1, 6, 11	1
802.11g	1, 6, 11	6
802.11n-HT20	1, 6, 11	MCS0

Radiated Spurious Emissions (Above 1 GHz)

☒ Following channel(s) was (were) selected for the final test as listed below.

Test Item	Mode	Tested Channel	Date Rate (Mbps)
Spurious Emission	802.11b	1, 6, 11	1.0
	802.11g	1, 6, 11	6.0
	802.11n-HT20	1, 6, 11	MCS0
Band Edge	802.11b	1, 11	1.0
	802.11g	1, 11	6.0
	802.11n-HT20	1, 11	MCS0

AC Power Line Conducted Emission

☐ N/A, the device was powered by battery.

☒ Following channel(s) was (were) selected for the final test as listed below.

Mode	Tested Channel	Date Rate (Mbps)
802.11g	11	6

3.6 Test Condition

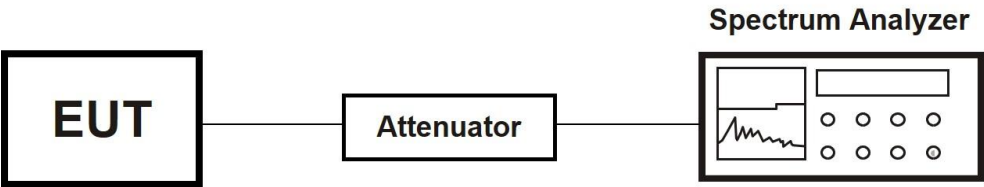
Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	20 - 24 °C	50-68 %	Sam Huang
Radiated Spurious Emissions	20 - 24 °C	50-68 %	Kevin Syu
AC Power Line Conducted Emission	20 - 24 °C	50-68 %	Kevin Syu



4 Technical Requirements

4.1 Duty Cycle

4.1.1 Block Diagram



4.1.2 Measurement procedure

Duty Cycle measurement is performed in accordance with the procedures of ANSI C63.10, clause 11.6. The EUT shall be configured to operate at the maximum achievable duty cycle.

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	Zero Span
RBW	≥ EBW, or the largest available value
VBW	≥ RBW
Detector	Peak
Sweep Points	≥32001

4.1.3 Limit

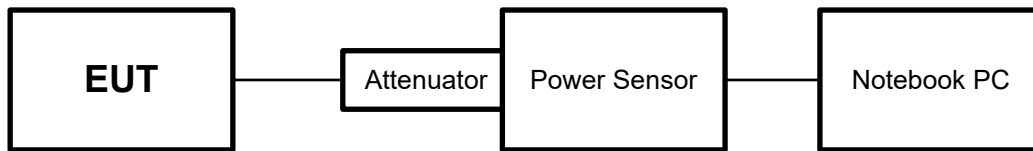
N/A, the duty cycle measurement was a reference value.

4.1.4 Result

Refer to Appendix B

4.2 Peak Conducted Output Power

4.2.1 Block Diagram



4.2.2 Measurement procedure

- 1) The measurement is performed in accordance with the procedures of ANSI C63.10, clause 11.9.1. The EUT shall be configured to operate at the maximum achievable duty cycle and the operation mode presented at section 3.5.
- 2) PKPM1, ANSI C63.10, Clause 11.9.1.2 was conducted for peak output power measurement.
- 3) If average power is necessary to be recorded, that Method AVGPM-G, clause 11.9.2.3.2 shall be conducted for average output power measurement. The wideband gated RF power meter is used to perform the measurement. The gate parameters are adjusted such that the power is measured the ON time of the transmissions.

4.2.3 Limit

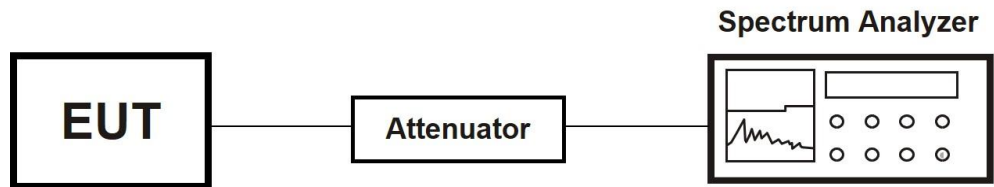
The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is : 1Watt. (30dBm).

4.2.4 Measurement result

Refer to Appendix C

4.3 Bandwidth Measurement

4.3.1 Block Diagram



4.3.2 Measurement procedure

99% Occupied Bandwidth

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	encompass the entire 99% OBW of the signal
RBW	1-5% of EBW or OBW
VBW	>RBW
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use the 99% power bandwidth function of the spectrum.

6dB Bandwidth

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	encompass the entire 6 dB BW of the signal
RBW	1-5% of EBW or OBW
VBW	>RBW
Detector	Sample
Trace Mode	Single Sweep
Measurement Function	Measure the maximum width of the emission that is 6 dB down from the maximum of the emission.

4.3.3 Limit

6 dB bandwidth shall be at least 500 kHz.

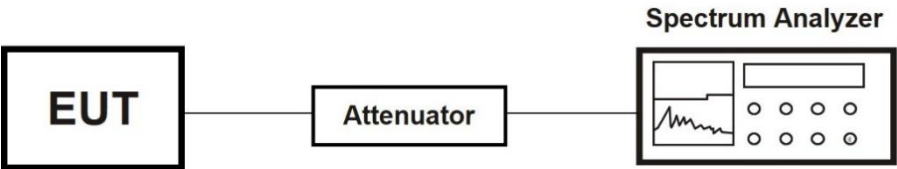
4.3.4 Measurement result

Not applicable



4.4 Peak Power Spectral Density

4.4.1 Block Diagram



4.4.2 Measurement procedure

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	>1.5 times of the DTS bandwidth
RBW	3 kHz
VBW	≥ 3 RBW
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use peak search to identify the max PSD

4.4.3 Limit

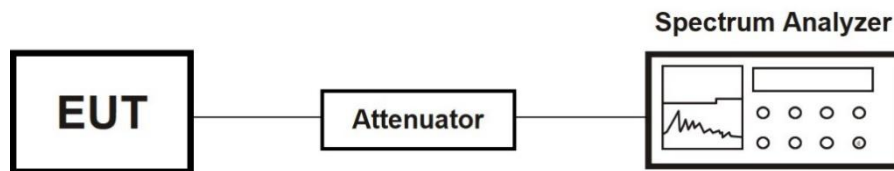
The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

4.4.4 Measurement result

Not applicable

4.5 Conducted Spurious Emission

4.5.1 Block Diagram



4.5.2 Measurement Procedure

Reference Level

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	1.5*DTS bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use peak search to identify the max value as the reference level

Emission Level

Spectrum Parameters	Setting
Frequency Range	30 MHz to 10 th harmonics
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use the peak marker function to determine the maximum amplitude level

All emissions shall be have 20 dB below reference level, or 30 dB below if average power was conducted as the reported power.

4.5.3 Limit

In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, that the required attenuation shall be 30 dB instead of 20 dB.

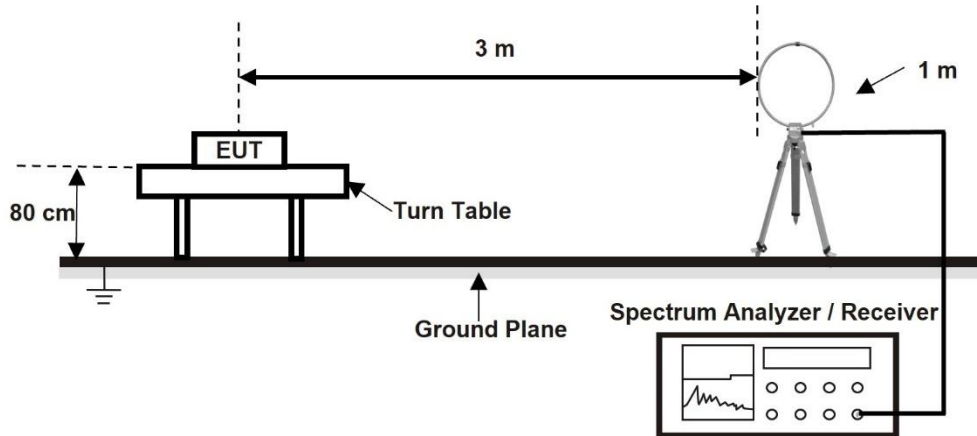
4.5.4 Test Result

Not applicable

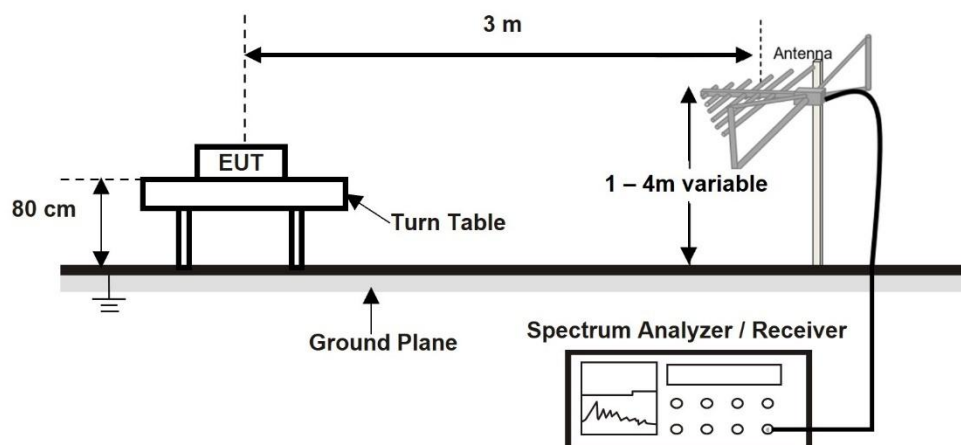
4.6 Radiated Spurious Emissions and Band Edges

4.6.1 Test Setup

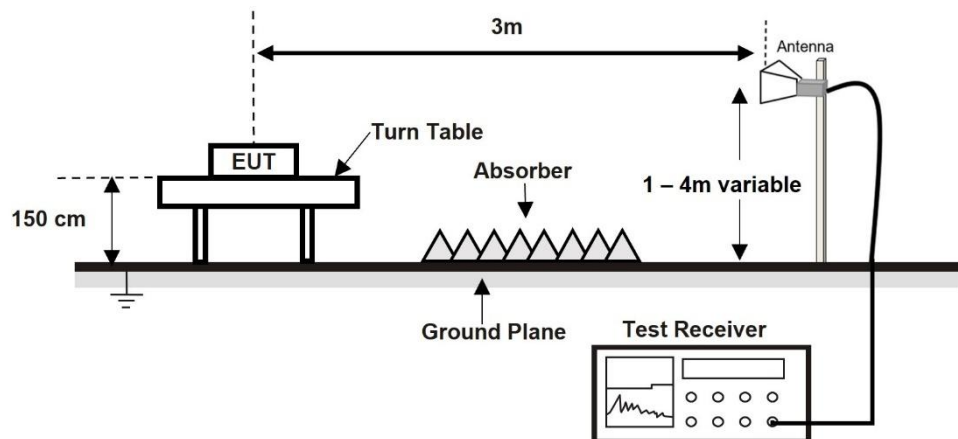
Radiated Emission Test Set-Up, Frequency Below 30MHz.



Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1 GHz.



4.6.2 Measurement procedure

For Frequency below 30 MHz

The EUT was setup in accordance with section 3.1 and 4.5.1. The EUT was placed on top of the turntable with a height of 0.8 m for measurement of frequencies below 30 MHz. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° while varying the measurement antenna height in Parallel (OPEN), perpendicular (CLOSE), and 4 m Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations. The measurement shall be performed with the following spectrum setting.

The RBW/ VBW shall be set 9 kHz for the measurement with Q.P. Frequency ranges in 9-90 kHz and 110- 490 kHz are based on measurements employing average and peak detectors.

For Frequency from 30 MHz to 40 GHz

The EUT was setup in accordance with section 3.1 and 4.5.1. The EUT was placed on top of the turntable with a height of 0.8 m for measurement of frequencies below 1 GHz, and 1.5 m for measurement of frequencies above 1 GHz. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° while varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. The measurement shall be performed with the following spectrum setting.

Frequency below 1 GHz:

Spectrum Analyzer is used for pre-testing with following setting:

1. RBW = 120kHz
2. VBW $\geq 3 \times$ RBW
3. Detector = Peak
4. Sweep time = auto
5. Trace mode = max hold
6. Allow sweeps to continue until the trace stabilizes.

If peak detection results satisfy the limit, Q.P. measurements are unnecessary; otherwise, a final Q.P. measurement must be performed.

Frequency above 1 GHz to 10th harmonic (up to 25 GHz):

Peak Measurement:

1. RBW = 1MHz
2. VBW $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Sweep time = auto.
5. Trace mode = max hold.
6. Allow sweeps to continue until the trace stabilizes.

Where the peak values are below the average limit, further measurements using an average detector are not required.

Average Measurement:

1. RBW = 1MHz
2. VBW = 10Hz (for duty cycle $\geq 98\%$), or
VBW = the value calculated in Appendix B (when duty cycle $<98\%$).
3. Detector = Peak.
4. Sweep time = auto.
5. Trace mode = max hold.
6. Allow sweeps to continue until the trace stabilizes.

4.6.3 Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Unwanted spurious emissions which fall in the restricted bands as specified in FCC §15.205 must comply with the radiated emission limits specified as below table:

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

Note: The lower limit shall apply at the transition frequencies.

Sample Calculation:

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Preamplifier Gain (dB)

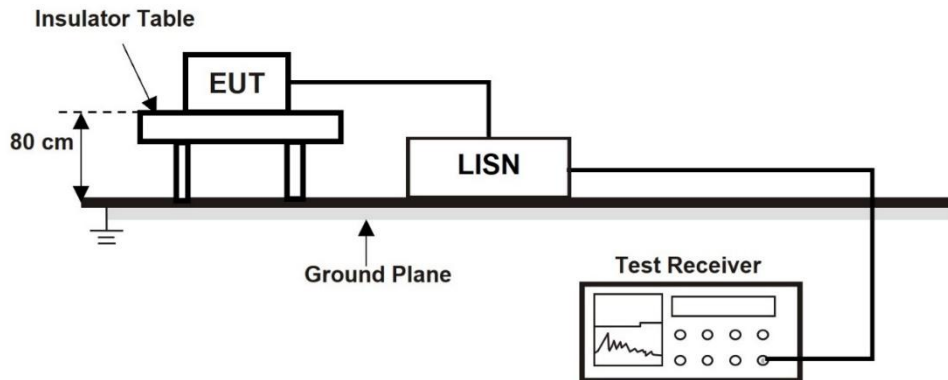
Level (dB $\mu\text{V/m}$) = Reading (dB μV) + Factor (dB/m)

4.6.4 Measurement result

Please refer to Appendix D

4.7 AC Power Line Conducted Emission Measurement

4.7.1 Test Setup



4.7.2 Measurement procedure

1. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 μ H of coupling impedance for the measuring instrument.
2. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
3. The frequency range from 150 kHz to 30 MHz was scanned. Emission levels more than 20 dB below the limit was not recorded.

4.7.3 Limit

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

Note

1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

4.7.4 Measurement result

Please refer to Appendix E

5 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

Item	Measurement Uncertainty			
	Test Site	Description	U	Unit
AC Power Line Conducted Emission	Shielded Room A	0.15 – 30MHz	2.69	dB
Radiated Emission, Horizontal @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.82	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Radiated Emission, Vertical @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.8	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Frequency stability	RF Room	--	± 29	Hz
Bandwidth Measurement	RF Room	6dB BW	± 29.78	kHz
	RF Room	20dB BW	± 46.91	kHz
	RF Room	26dB BW	± 55.99	kHz
	RF Room	99% OBW	± 28.95	kHz
Output Power	RF Room	Spectrum	± 1.44	dB
		Power Sensor	± 0.81	
Power Spectral Density	RF Room	--	± 1.44	dB
Conducted Spurious Emission	RF Room	--	± 1.62	dB

Appendix A. Test Equipment

Radiated Emission Measurement

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	R&S	FSV3044	101348	2025-07-29	1 Year
Spectrum Analyzer	R&S	ESR 7	102600	2025-08-22	1 Year
Horn (18-40G)	RF SPIN	DRH0844	LE2C01A0844	2025-12-19	1 Year
Horn (1-18G)	RF SPIN	DRH18-E	211218A18EN	2025-11-05	1 Year
Bi-Log Antenna	Schwarzbeck	VULB 9168	01499	2025-02-19	1 Year
Preamplifier (1-18G)	SGH	SGH118-HS	20230214-5	2025-04-10	1 Year
Preamplifier (18-40G)	SGH	SGH184	20230214-8	2025-04-10	1 Year
Preamplifier (30M-1G)	SGH	SGH0301	20230214-4	2025-04-24	1 Year
Test Software	Audix	e3	221118, V9	N/A	N/A

AC Power Line Conducted Emission

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
EMI Receiver	R&S	ESR 7	102599	2025-08-11	1 Year
LISN	R&S	ENV216	101517	2025-10-31	1 Year
Test Software	Audix	e3	221118, V9	NCR	NCR.

RF Conducted Measurement

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	Keysight	N9010B	MY63440384	2025-07-11	1 Year
Power Sensor	Anritsu	MA24408A	12778	2025-02-14	1 Year
Test Software	Anritsu	MA24400A USB Peak Power Sensor	1.1.0.0	NCR	NCR.
Test Software	Keysight	IOT0047A	24.11.25.17	NCR	NCR.

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.

Appendix B. Duty Cycle

Summary of Duty Cycle

Mode	Modulation	TX _{on} (ms)	TX _{off} (ms)	Duty Cycle (%)	VBW (Hz)
802.11b	CCK	8.43	8.52	98.94	10
802.11g	OFDM	0.176	0.2768	63.58	6k
802.11n-HT20	MCS	0.164	0.2648	61.93	7k

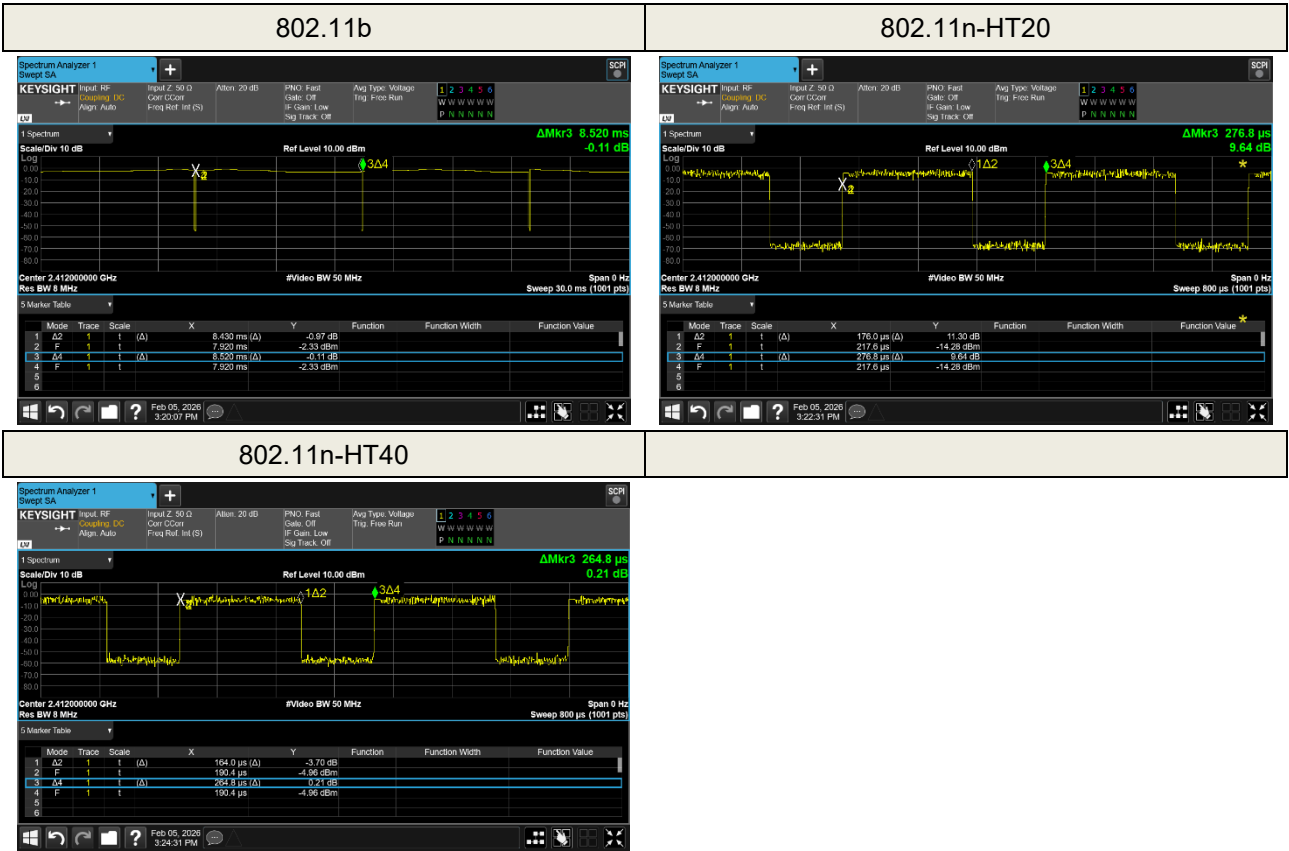
Note:

Duty cycle: $\left(\frac{TX_{on}}{TX_{on}+TX_{off}}\right)*100$

VBW: The value was calculated from $1/TX_{on}$ and set as the available setting of the spectrum without lower than $1/T_{on}$.



Duty Cycle Plots



Appendix C. Peak Conducted Output Power

Frequency (MHz)	Measurement Result (dBm)		Limit (dBm)
	Average (dBm)	Average (mW)	
802.11b			
2412	5.98	3.962780	30
2437	6.47	4.436086	
2462	6.54	4.508167	
802.11g			
2412	4.39	2.747894	30
2437	4.91	3.097419	
2462	5.17	3.288516	
802.11n-HT20			
2412	4.45	2.786121	30
2437	4.82	3.033891	
2462	5.08	3.221069	

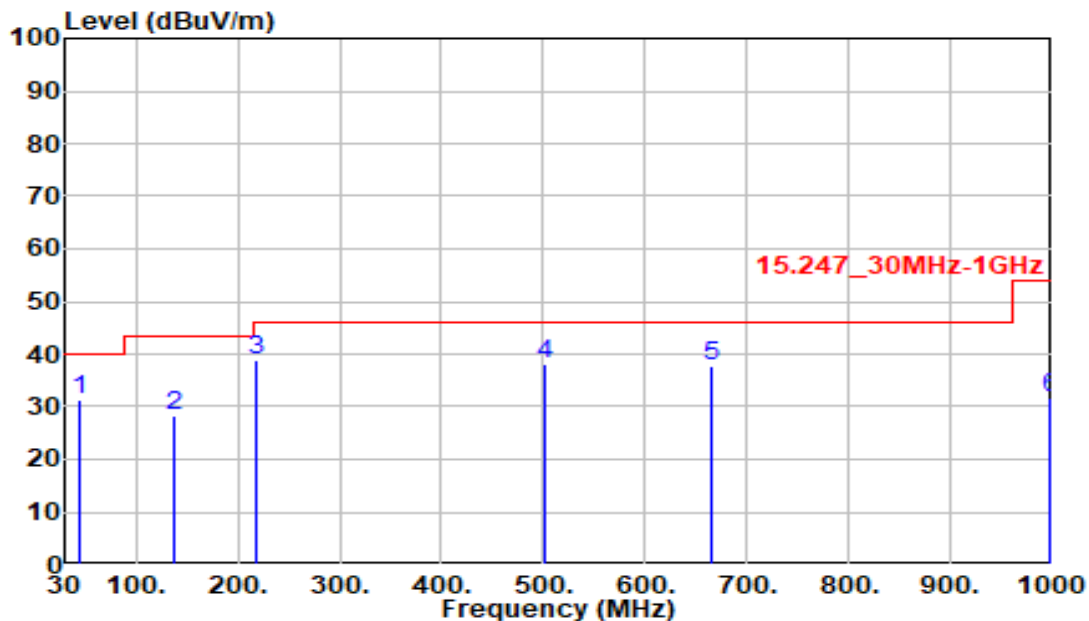
Appendix D. Radiated Spurious Emissions and Band Edges

Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

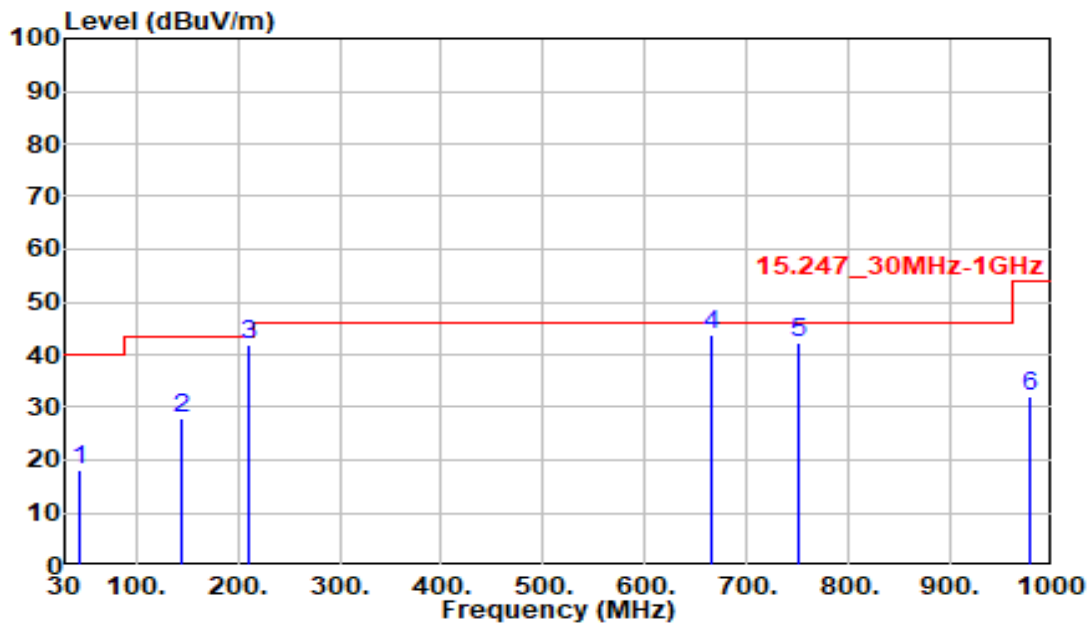
Frequency Below 1GHz

Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBUV	Factor dB/m	Emission LV dBUV/m	Limit dBUV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
43.580	61.10	-29.88	31.22	40.00	-8.78	QP	107	359
138.640	58.87	-30.74	28.13	43.50	-15.37	Peak	204	259
217.210	71.80	-32.99	38.81	46.00	-7.19	QP	117	51
500.450	62.29	-24.01	38.28	46.00	-7.72	Peak	309	177
666.320	58.09	-20.41	37.68	46.00	-8.32	Peak	271	272
998.060	47.85	-16.00	31.85	54.00	-22.15	Peak	228	58

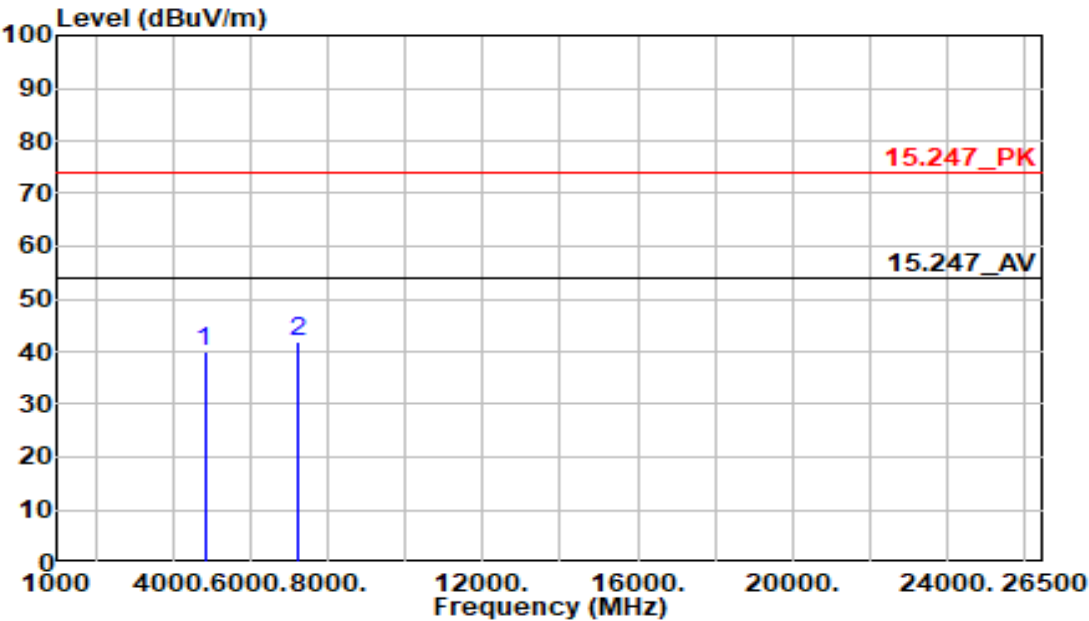
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
43.580	47.99	-29.88	18.11	40.00	-21.89	Peak	207	357
145.430	58.09	-30.15	27.94	43.50	-15.56	Peak	316	241
211.390	75.00	-32.93	42.07	43.50	-1.43	QP	135	216
666.320	64.20	-20.41	43.79	46.00	-2.21	QP	127	231
750.710	61.00	-18.82	42.18	46.00	-3.82	QP	122	101
978.660	48.12	-16.18	31.94	54.00	-22.06	Peak	285	101



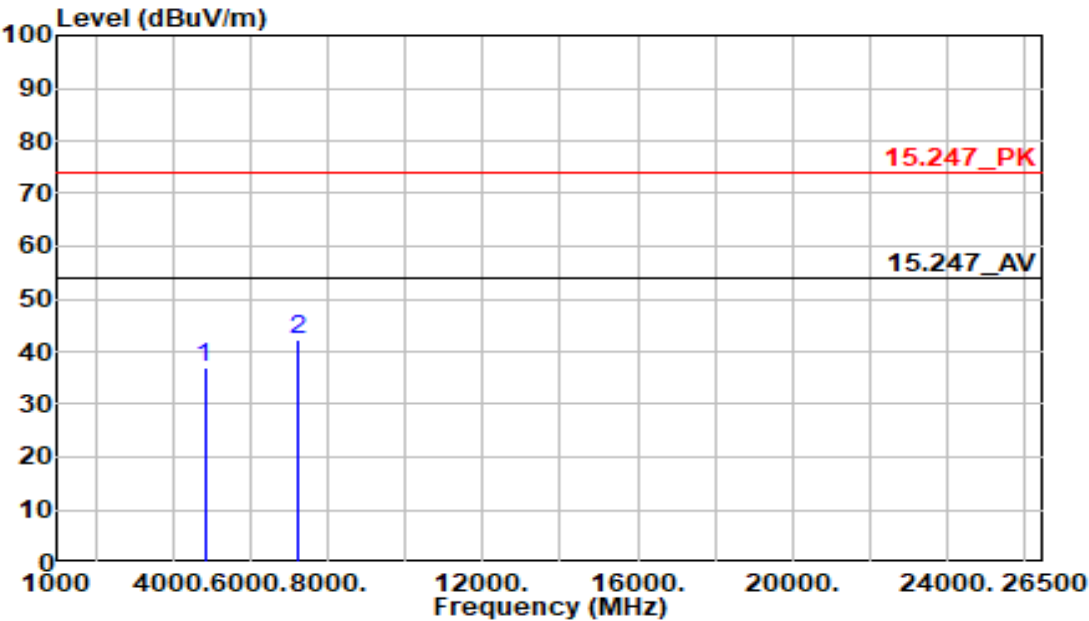
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4824.000	44.19	-4.35	39.84	74.00	-34.16	Peak	197	296
7236.000	40.03	1.71	41.74	74.00	-32.26	Peak	218	67



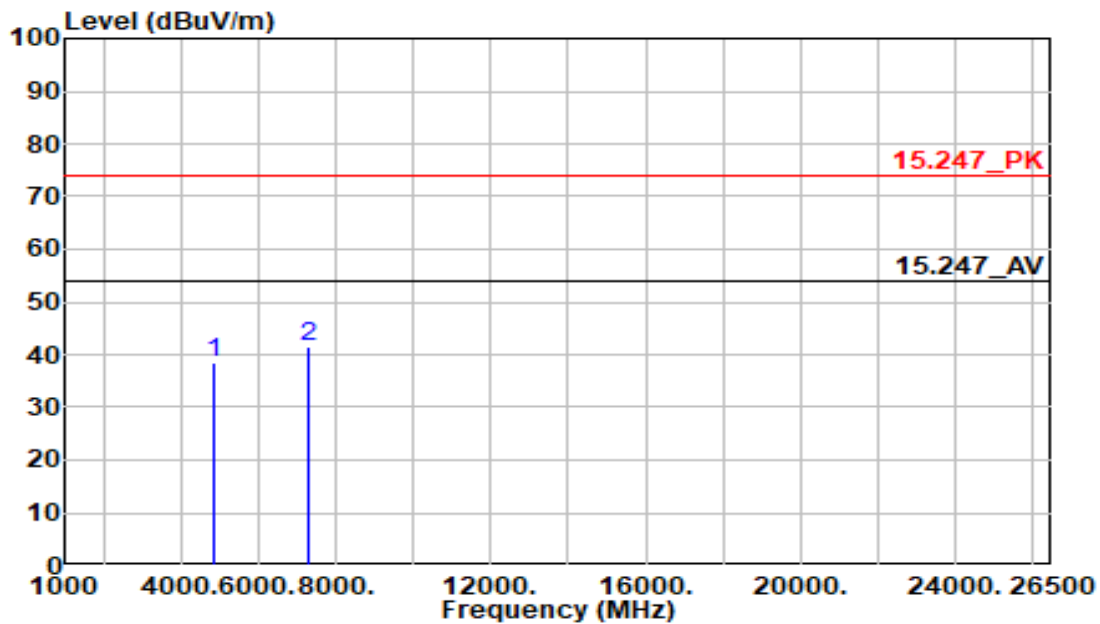
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4824.000	41.50	-4.35	37.15	74.00	-36.85	Peak	247	169
7236.000	40.39	1.71	42.10	74.00	-31.90	Peak	249	205



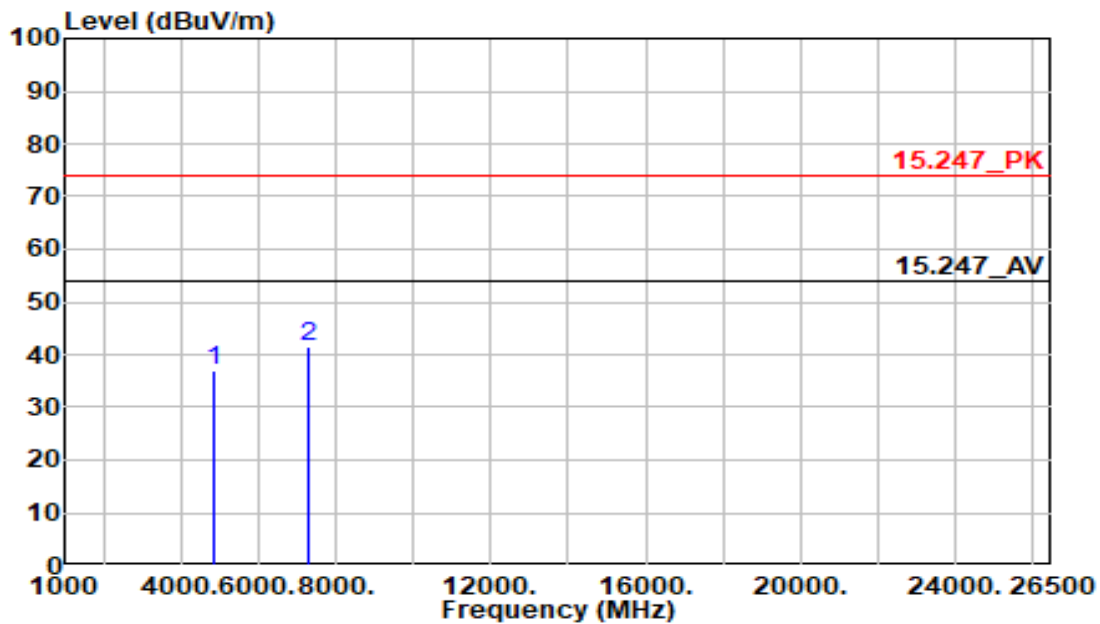
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4874.000	42.79	-4.19	38.60	74.00	-35.40	Peak	271	95
7311.000	39.63	1.85	41.48	74.00	-32.52	Peak	283	192



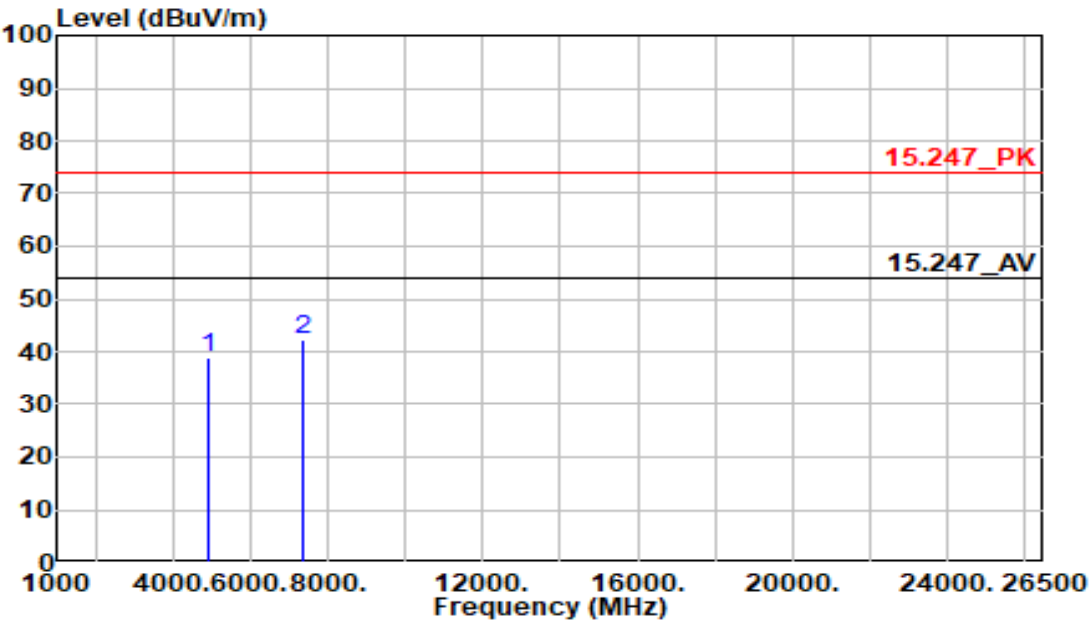
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
4874.000	41.28	-4.19	37.09	74.00	-36.91	Peak	243	129
7311.000	39.67	1.85	41.52	74.00	-32.48	Peak	307	158



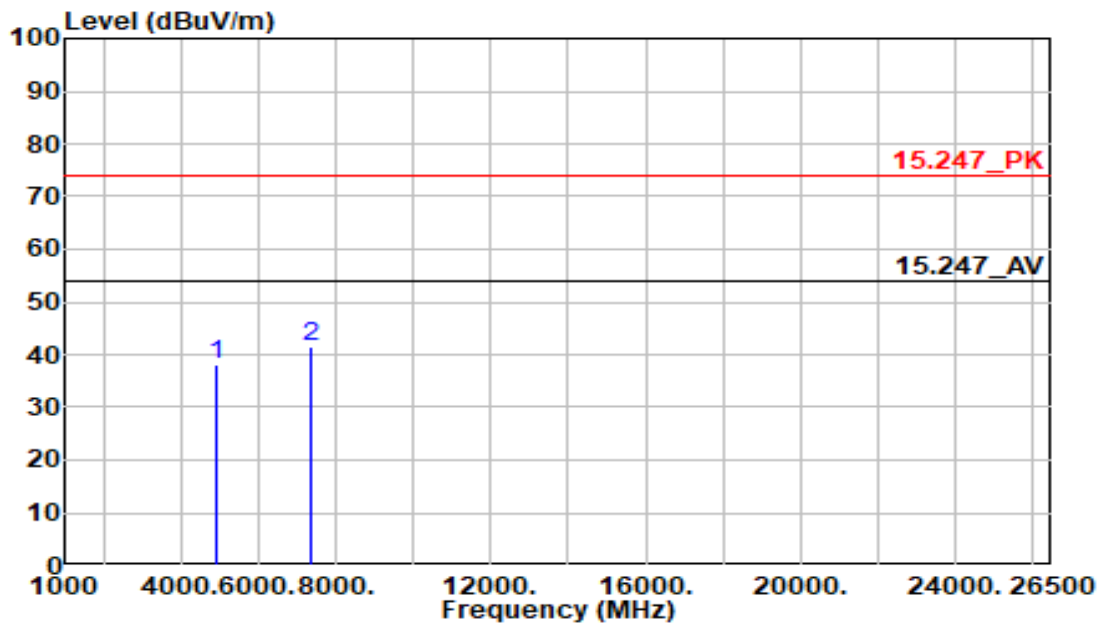
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4924.000	42.80	-4.03	38.77	74.00	-35.23	Peak	219	261
7386.000	40.40	2.00	42.40	74.00	-31.60	Peak	183	13



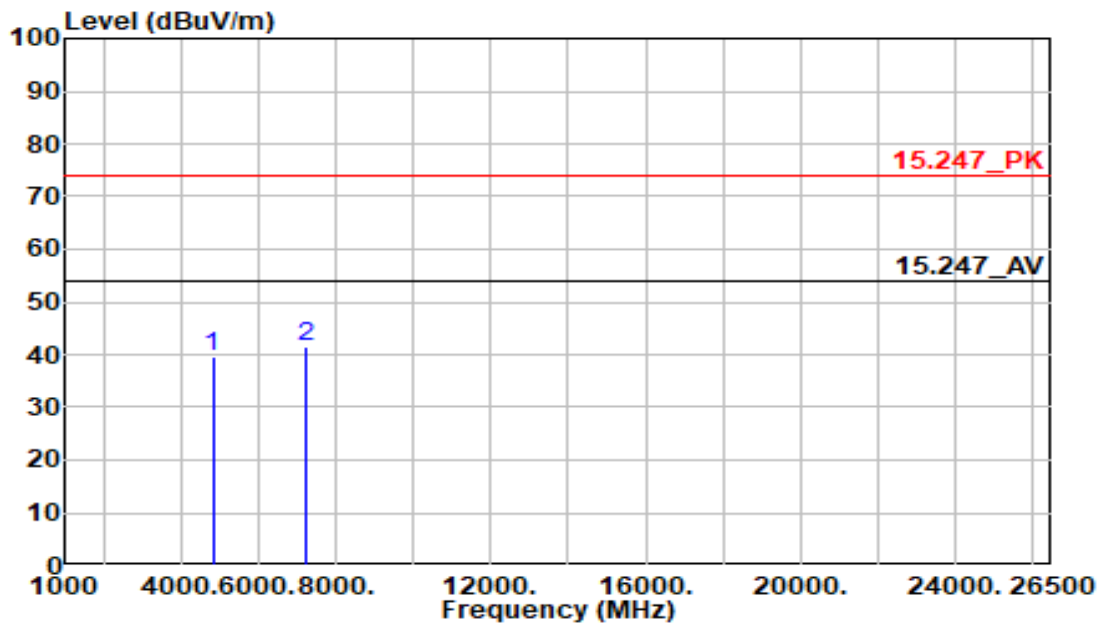
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4924.000	42.00	-4.03	37.97	74.00	-36.03	Peak	253	71
7386.000	39.59	2.00	41.59	74.00	-32.41	Peak	168	188



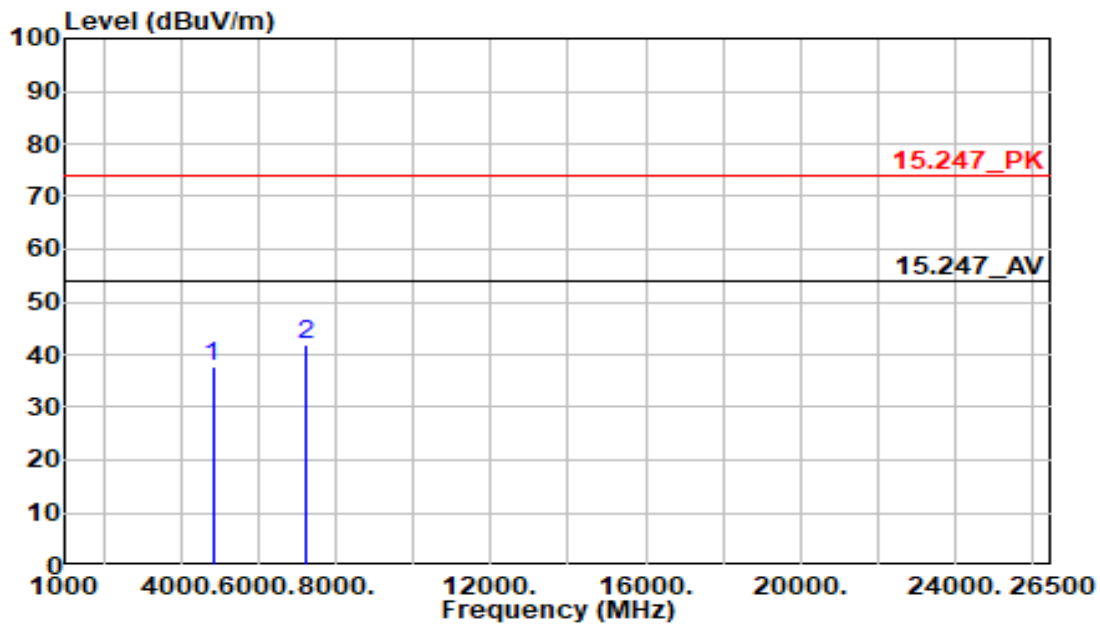
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
4824.000	43.94	-4.35	39.59	74.00	-34.41	Peak	183	294
7236.000	39.95	1.71	41.66	74.00	-32.34	Peak	247	126



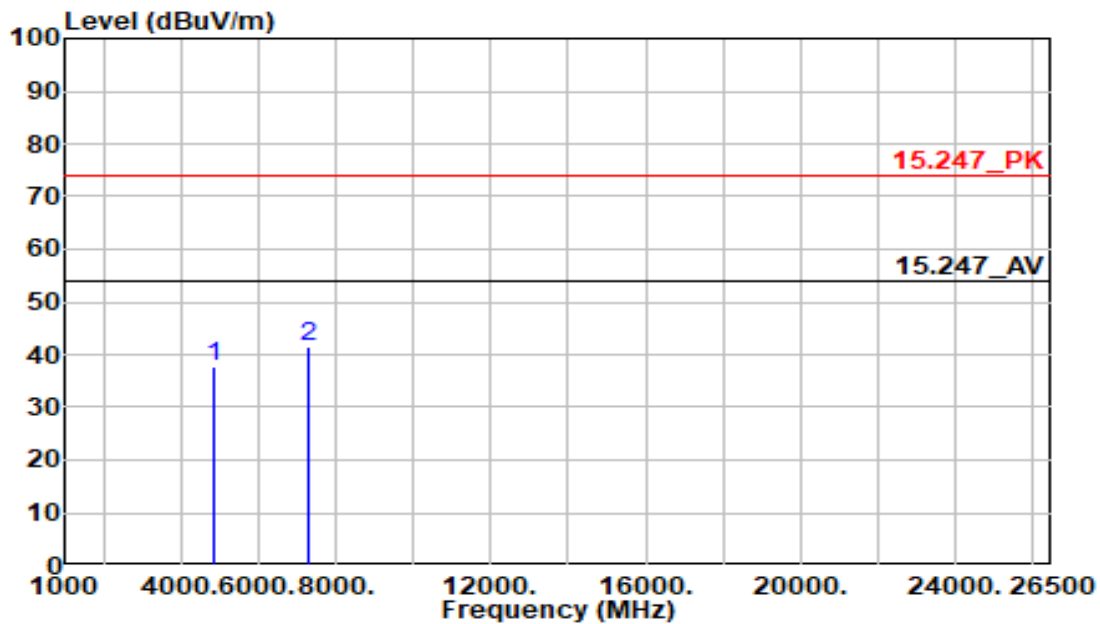
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4824.000	42.06	-4.35	37.71	74.00	-36.29	Peak	261	310
7236.000	40.17	1.71	41.88	74.00	-32.12	Peak	229	208



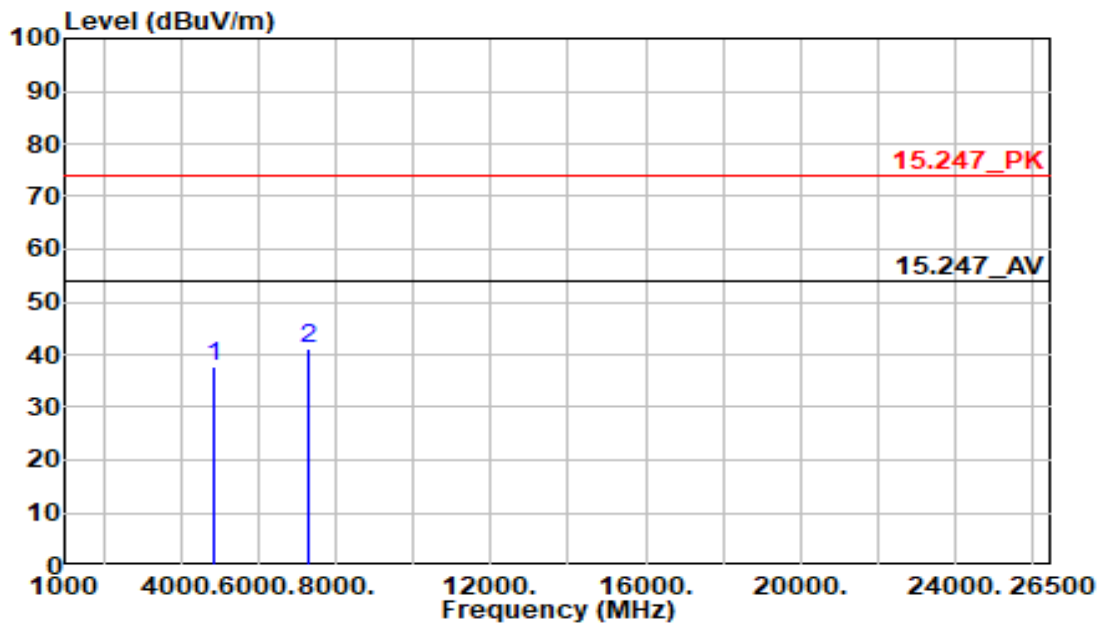
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4874.000	41.79	-4.19	37.60	74.00	-36.40	Peak	244	15
7311.000	39.75	1.85	41.60	74.00	-32.40	Peak	158	133



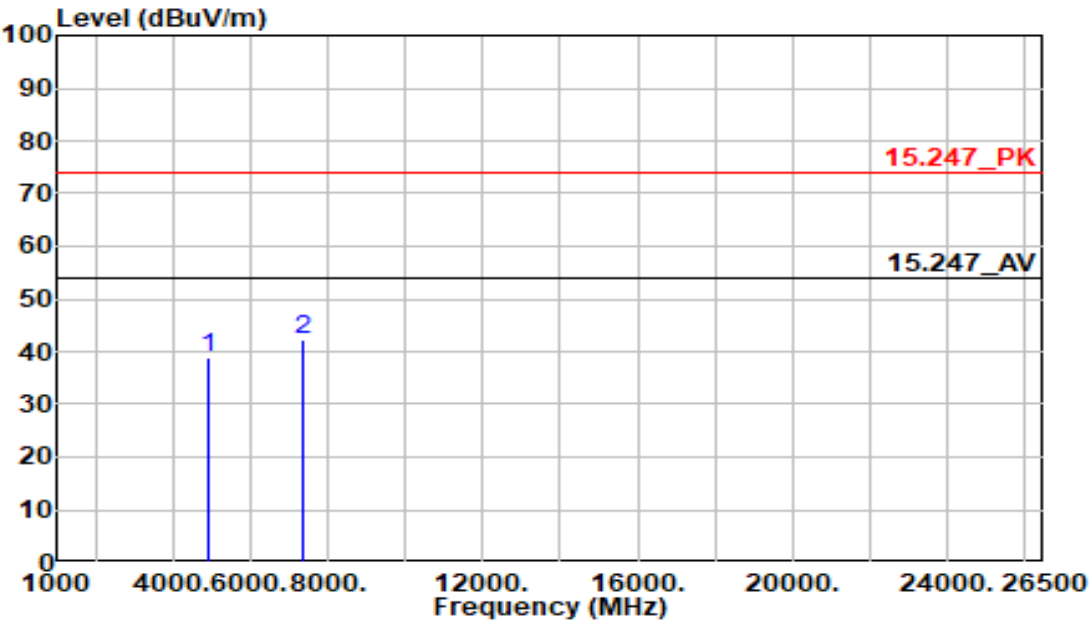
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4874.000	42.11	-4.19	37.92	74.00	-36.08	Peak	284	152
7311.000	39.33	1.85	41.18	74.00	-32.82	Peak	261	139



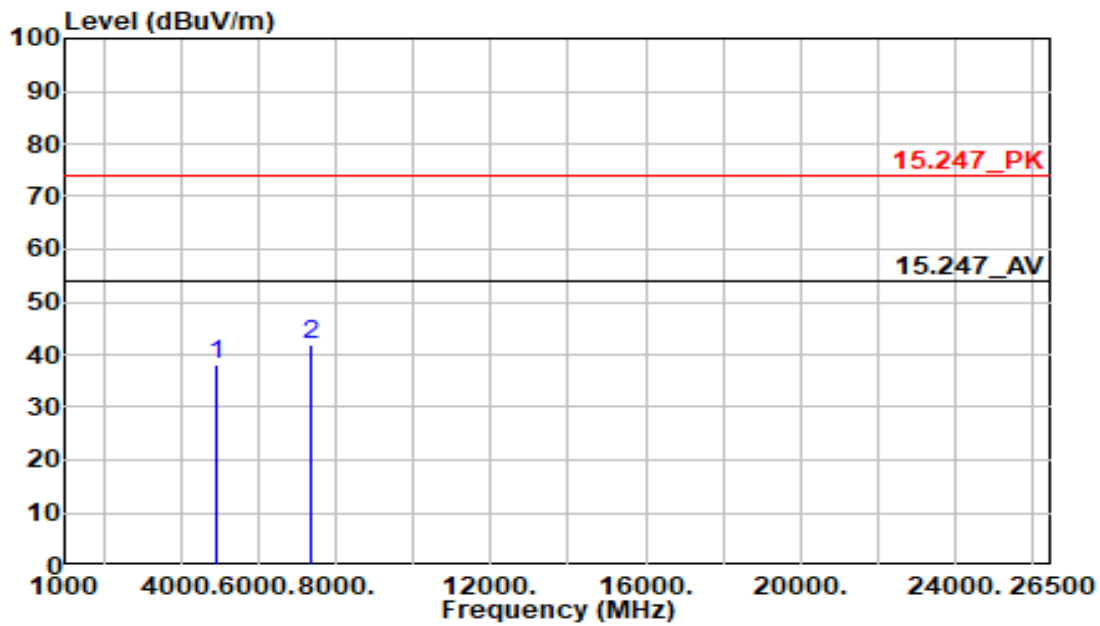
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4924.000	42.72	-4.03	38.69	74.00	-35.31	Peak	246	233
7386.000	40.22	2.00	42.22	74.00	-31.78	Peak	238	281

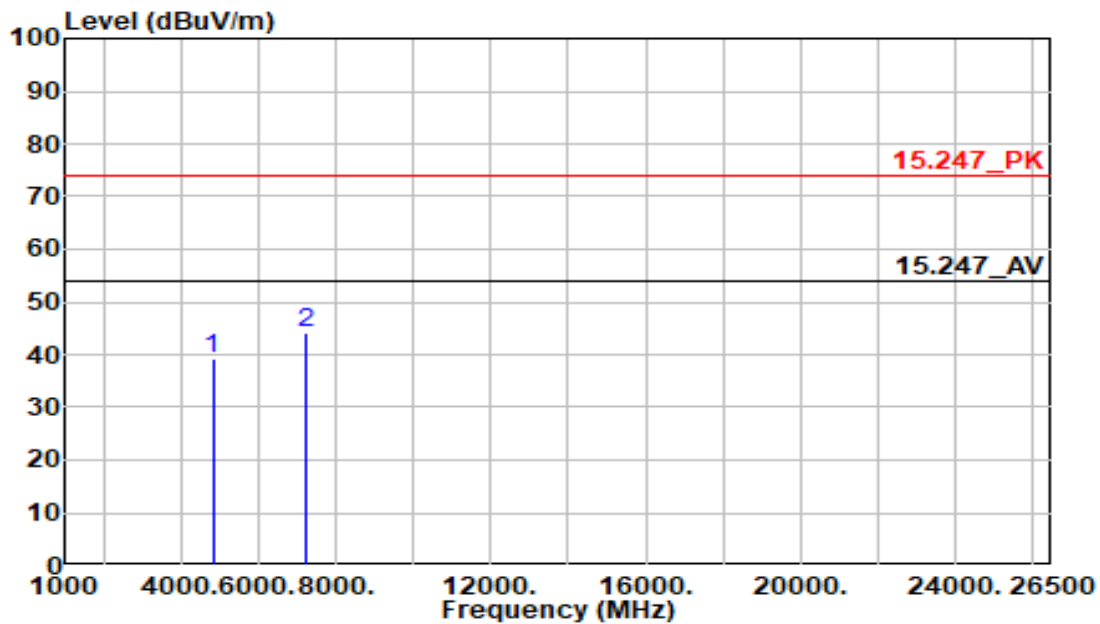


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
4924.000	42.04	-4.03	38.01	74.00	-35.99	Peak	281	57
7386.000	39.93	2.00	41.93	74.00	-32.07	Peak	196	200

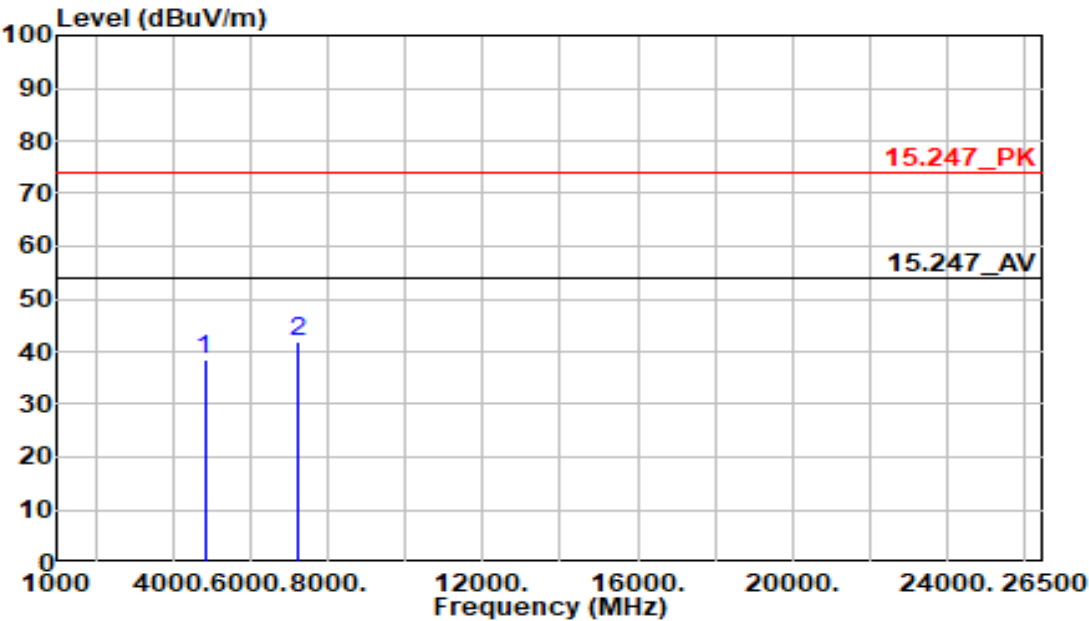
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4824.000	43.71	-4.35	39.36	74.00	-34.64	Peak	173	360
7236.000	42.46	1.71	44.17	74.00	-29.83	Peak	308	125



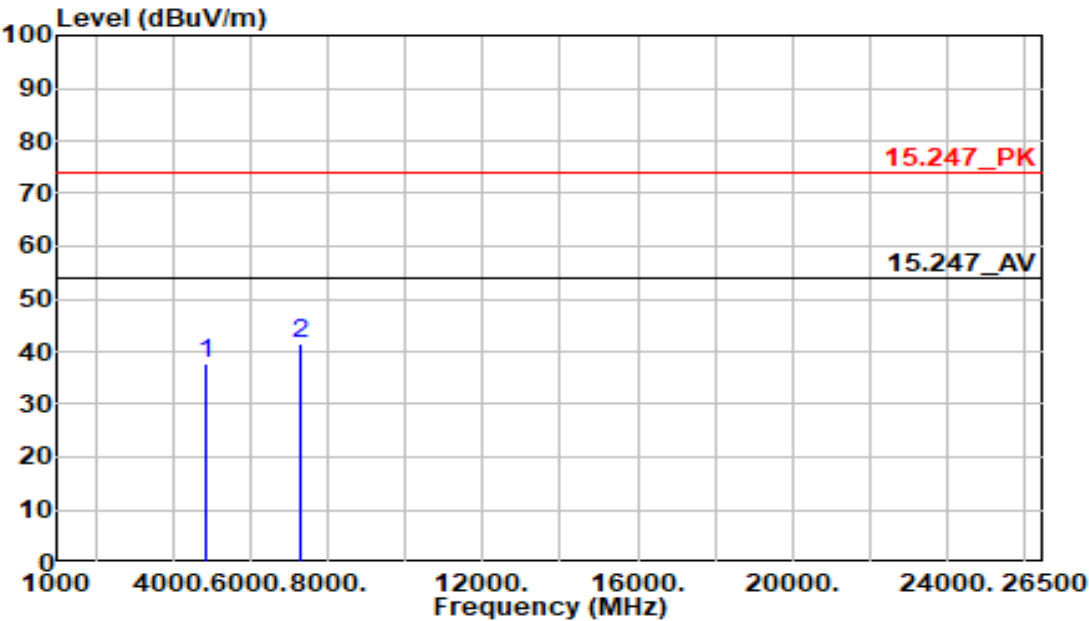
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4824.000	42.71	-4.35	38.36	74.00	-35.64	Peak	234	259
7236.000	40.32	1.71	42.03	74.00	-31.97	Peak	293	293



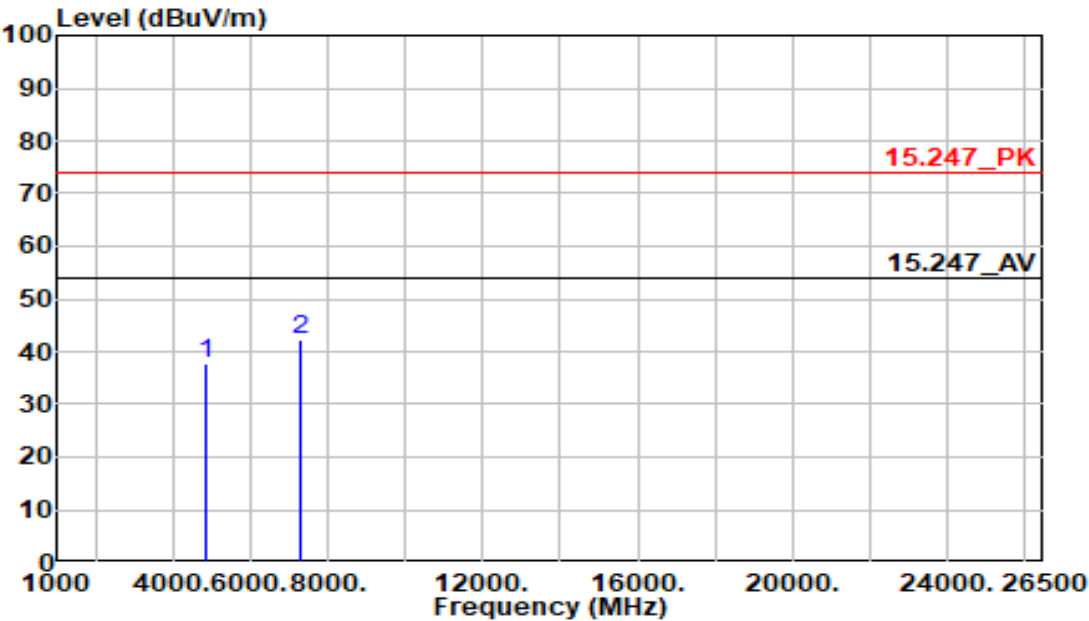
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4874.000	41.79	-4.19	37.60	74.00	-36.40	Peak	217	125
7311.000	39.74	1.85	41.59	74.00	-32.41	Peak	269	193

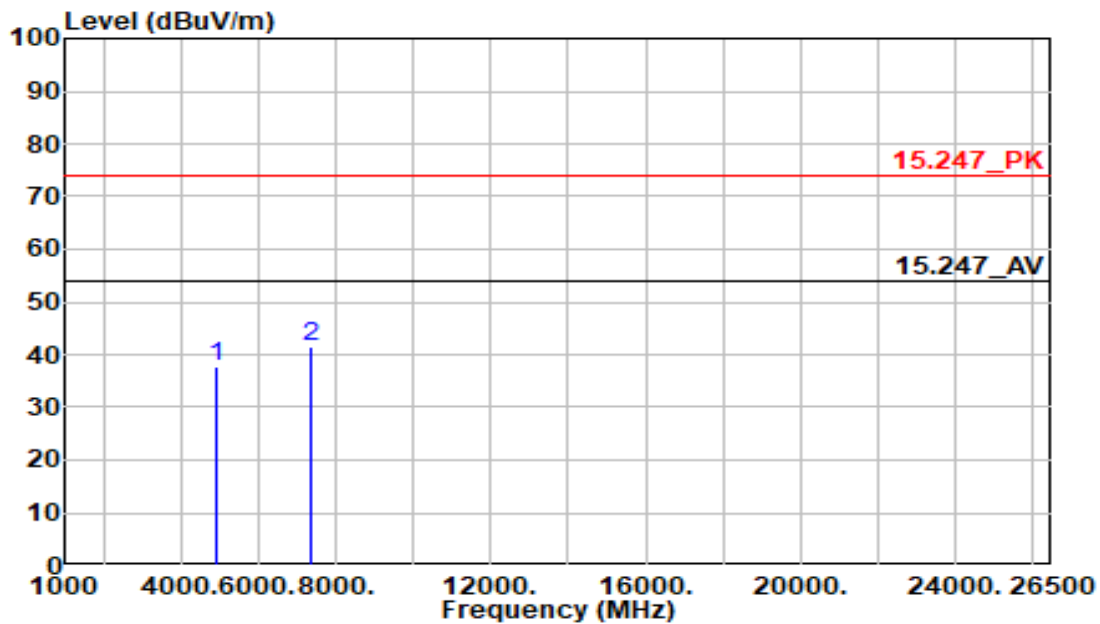


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2437 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



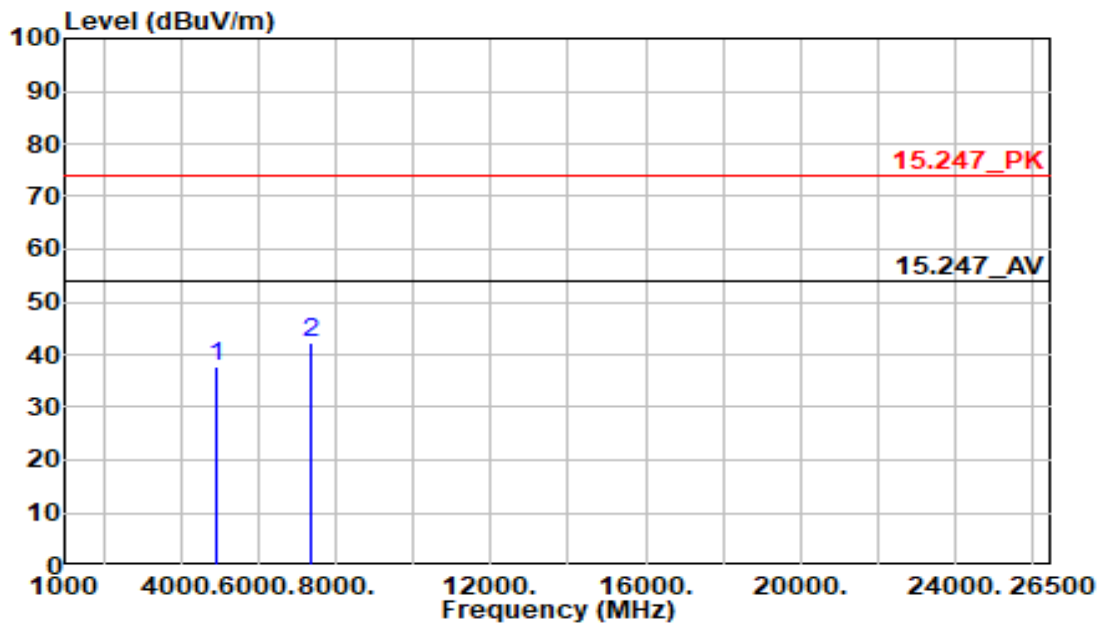
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4874.000	42.05	-4.19	37.86	74.00	-36.14	Peak	219	102
7311.000	40.60	1.85	42.45	74.00	-31.55	Peak	312	73

Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
4924.000	41.69	-4.03	37.66	74.00	-36.34	Peak	218	89
7386.000	39.64	2.00	41.64	74.00	-32.36	Peak	178	34

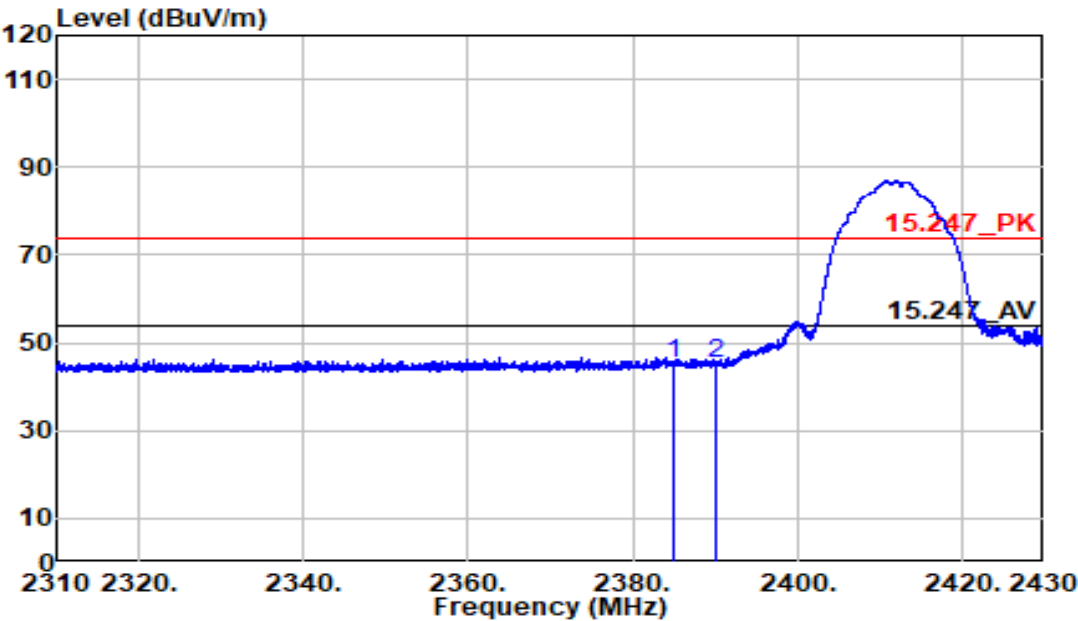
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
4924.000	41.66	-4.03	37.63	74.00	-36.37	Peak	284	313
7386.000	40.25	2.00	42.25	74.00	-31.75	Peak	304	44



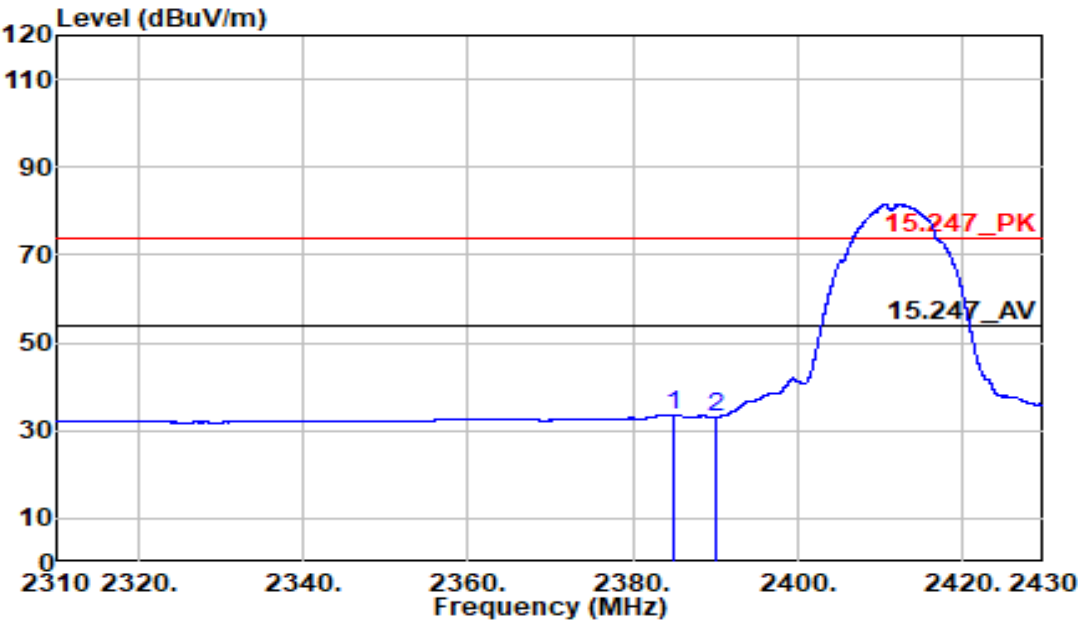
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2385.000	56.49	-11.40	45.09	74.00	-28.91	Peak	103	270
2390.000	56.60	-11.39	45.21	74.00	-28.79	Peak	103	270



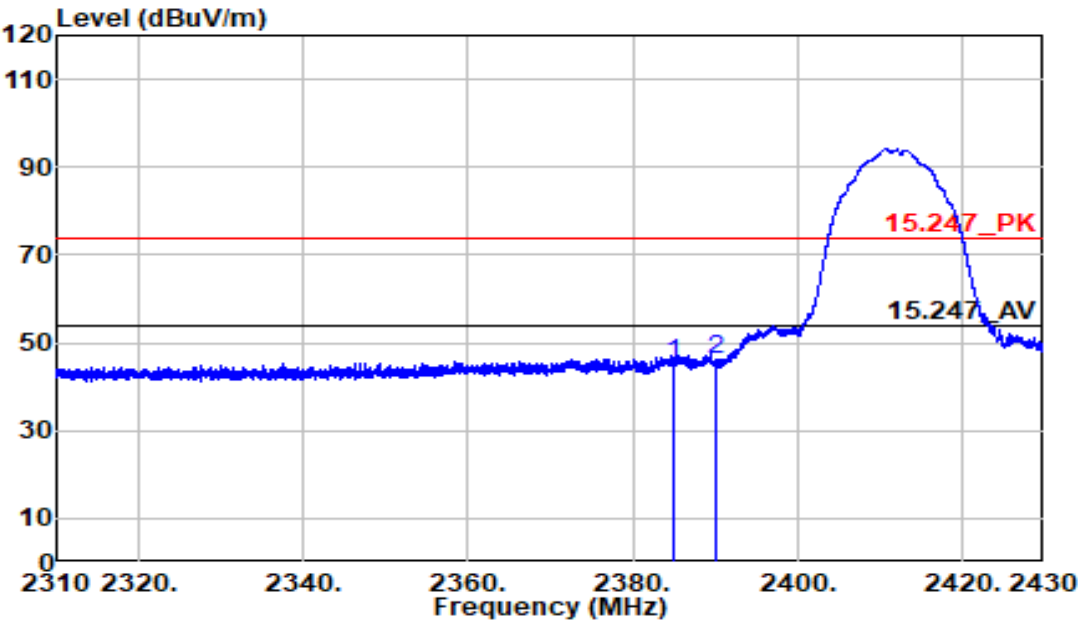
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2385.000	44.94	-11.40	33.53	54.00	-20.47	Average	103	270
2390.000	44.63	-11.39	33.24	54.00	-20.76	Average	103	270



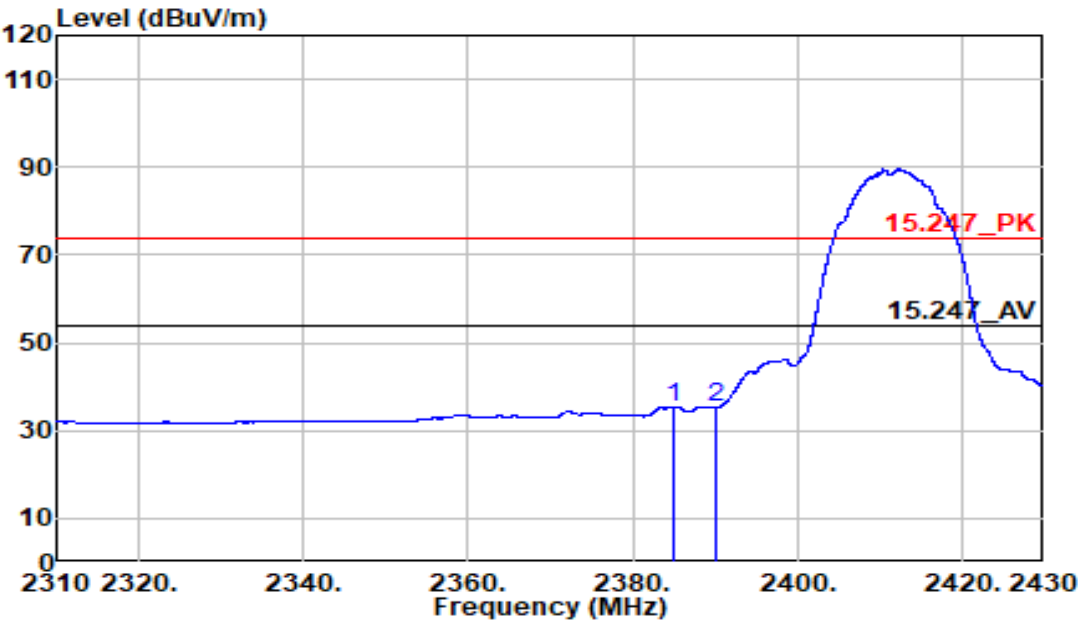
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2385.090	56.91	-11.40	45.51	74.00	-28.49	Peak	255	186
2390.000	57.76	-11.39	46.37	74.00	-27.63	Peak	255	186



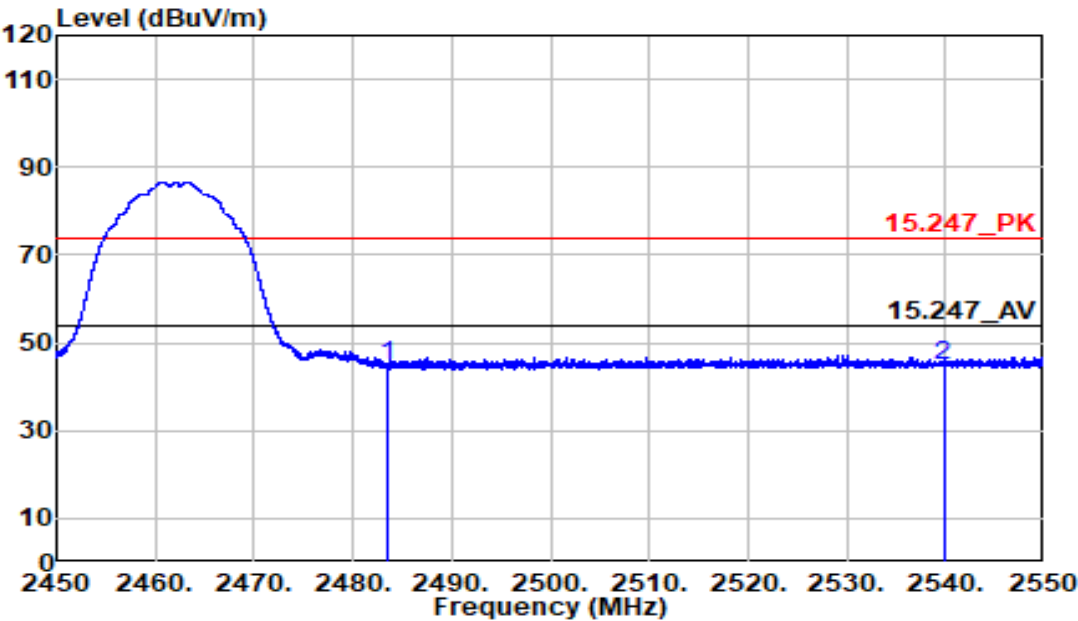
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2385.090	46.90	-11.40	35.50	54.00	-18.50	Average	255	186
2390.000	46.64	-11.39	35.25	54.00	-18.75	Average	255	186

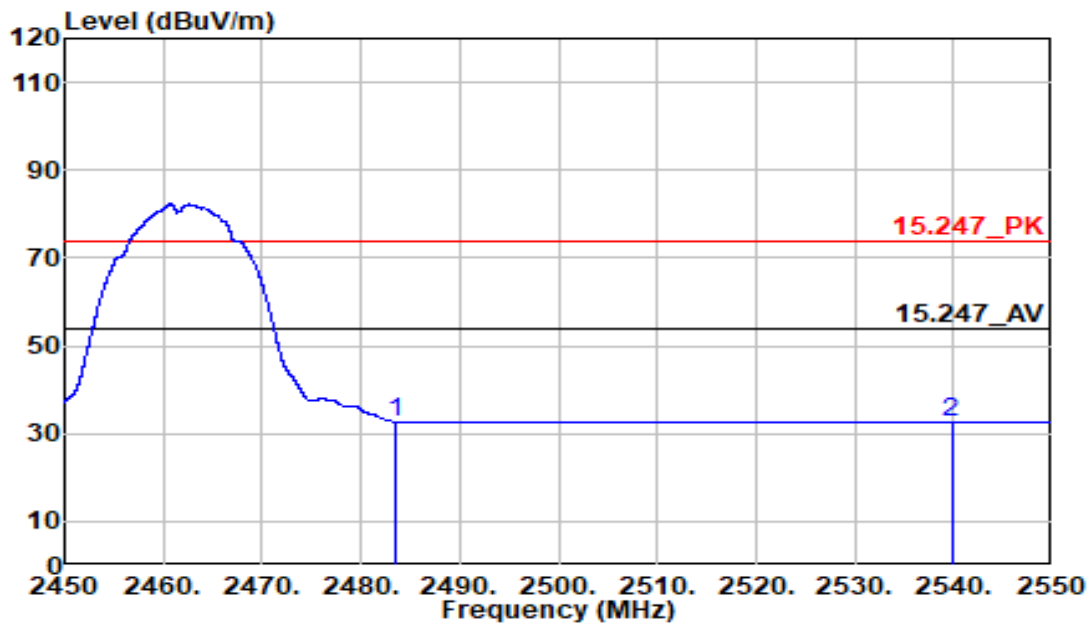


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	56.00	-11.17	44.83	74.00	-29.17	Peak	104	63
2539.800	55.80	-10.96	44.83	74.00	-29.17	Peak	104	63

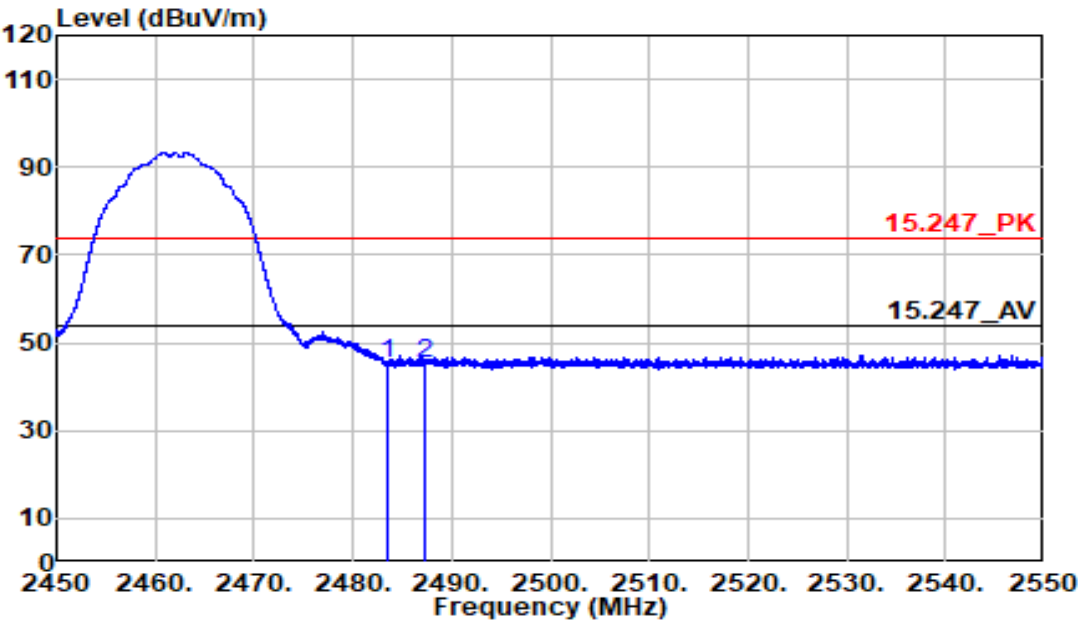
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	43.84	-11.17	32.67	54.00	-21.33	Average	104	63
2539.800	43.68	-10.96	32.71	54.00	-21.29	Average	104	63



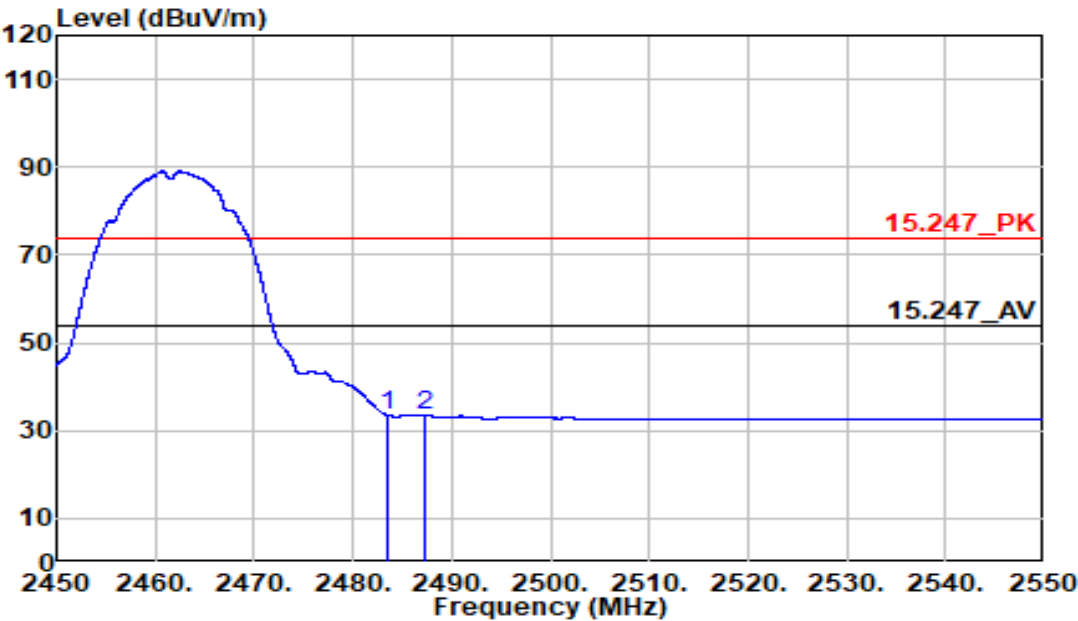
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	56.66	-11.17	45.49	74.00	-28.51	Peak	246	183
2487.350	56.65	-11.16	45.49	74.00	-28.51	Peak	246	183



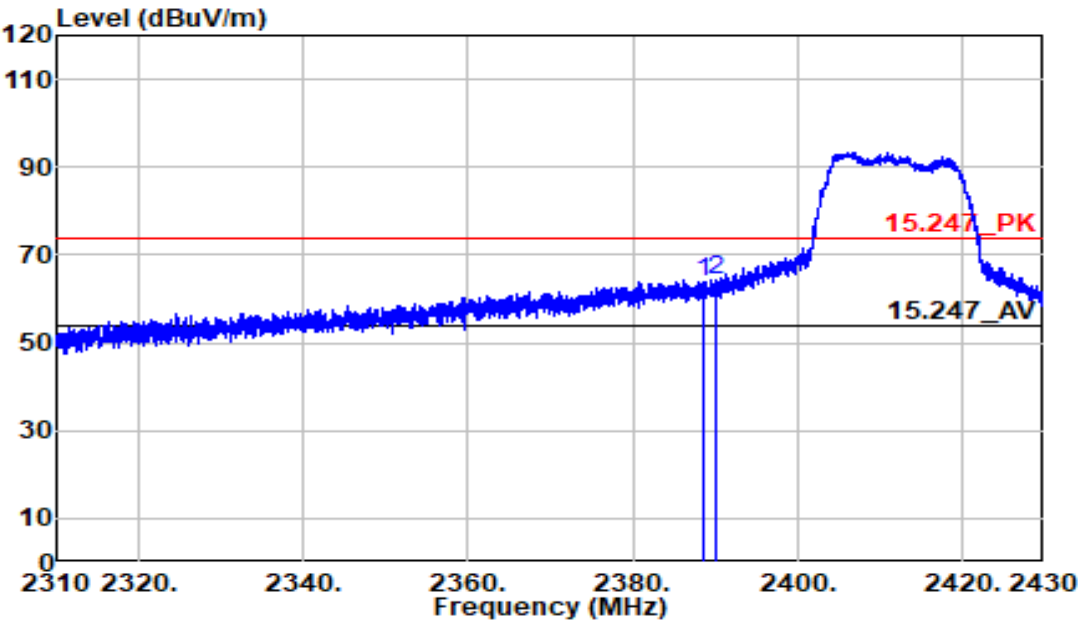
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11b	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	44.74	-11.17	33.57	54.00	-20.43	Average	246	183
2487.350	44.65	-11.16	33.49	54.00	-20.51	Average	246	183



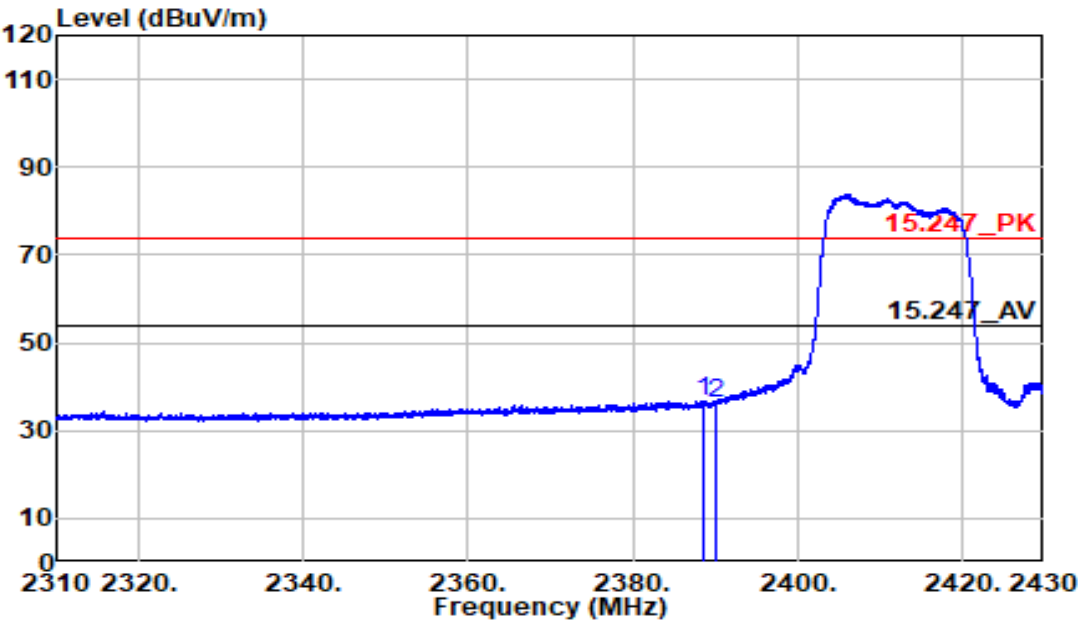
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV			PK/QP/AV	CM	DEG
	dBuV	dB/m	dBuV/m	dBuV/m	dB			
2388.600	75.20	-11.39	63.80	74.00	-10.20	Peak	163	124
2390.000	75.64	-11.39	64.25	74.00	-9.75	Peak	163	124



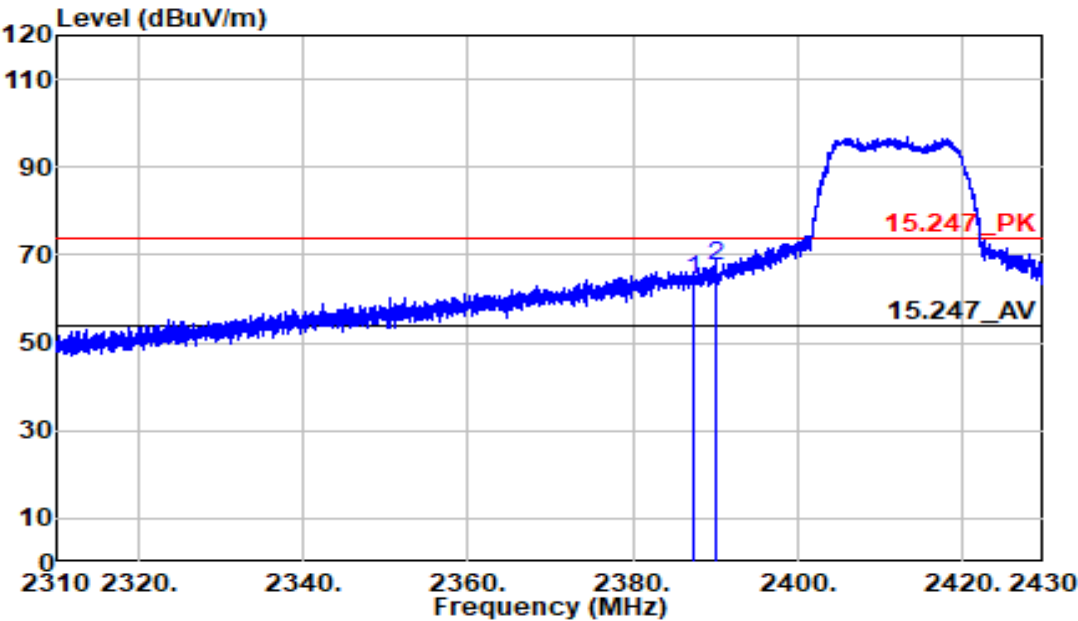
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
2388.600	48.14	-11.39	36.75	54.00	-17.25	Average	163	124
2390.000	47.78	-11.39	36.39	54.00	-17.61	Average	163	124

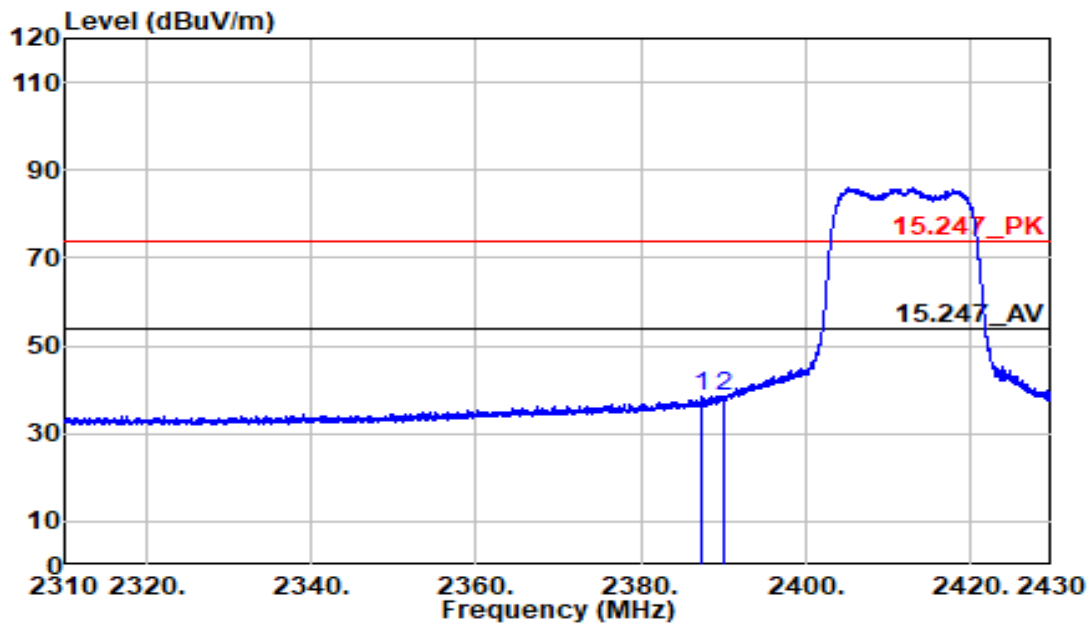


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



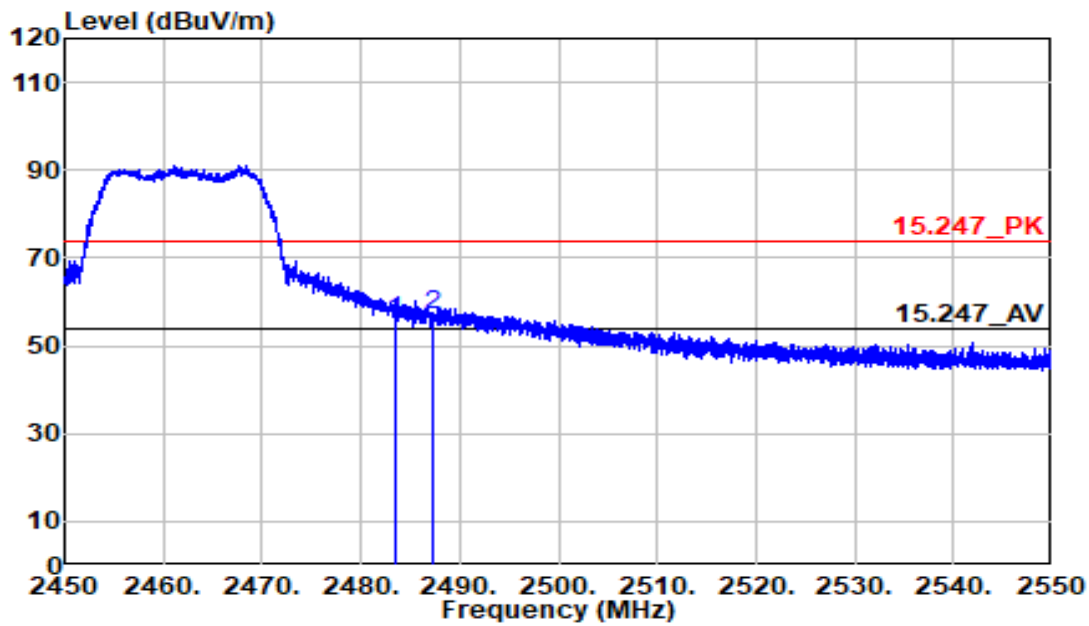
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2387.340	75.54	-11.40	64.15	74.00	-9.85	Peak	104	187
2390.000	78.76	-11.39	67.37	74.00	-6.63	Peak	104	187

Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2387.340	49.86	-11.40	38.47	54.00	-15.53	Average	104	187
2390.000	49.77	-11.39	38.39	54.00	-15.61	Average	104	187

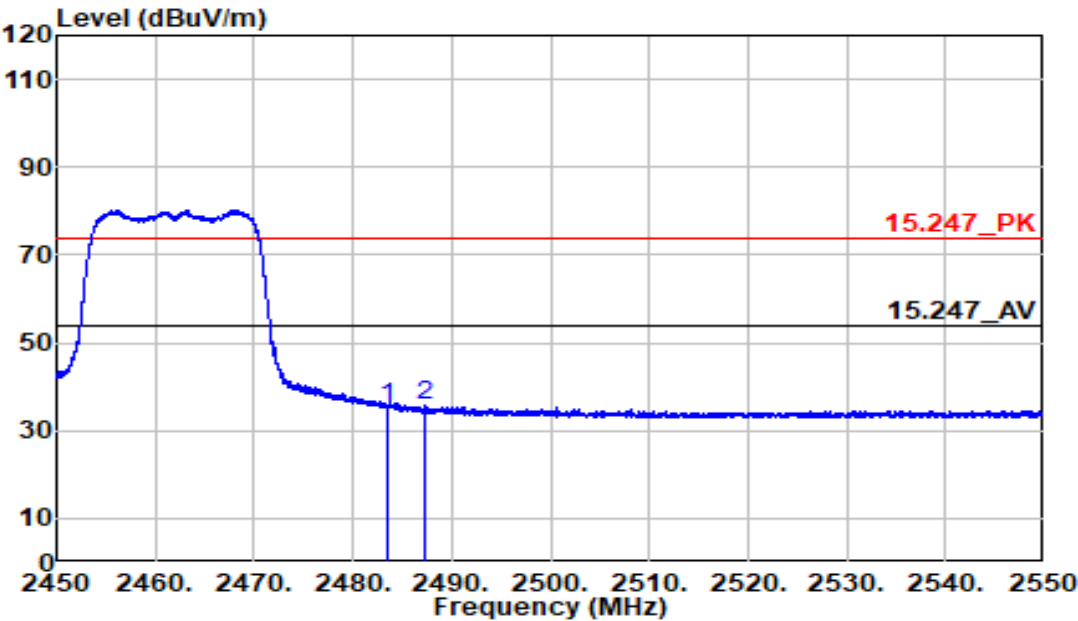
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	66.79	-11.17	55.62	74.00	-18.38	Peak	107	63
2487.325	68.39	-11.16	57.23	74.00	-16.77	Peak	107	63

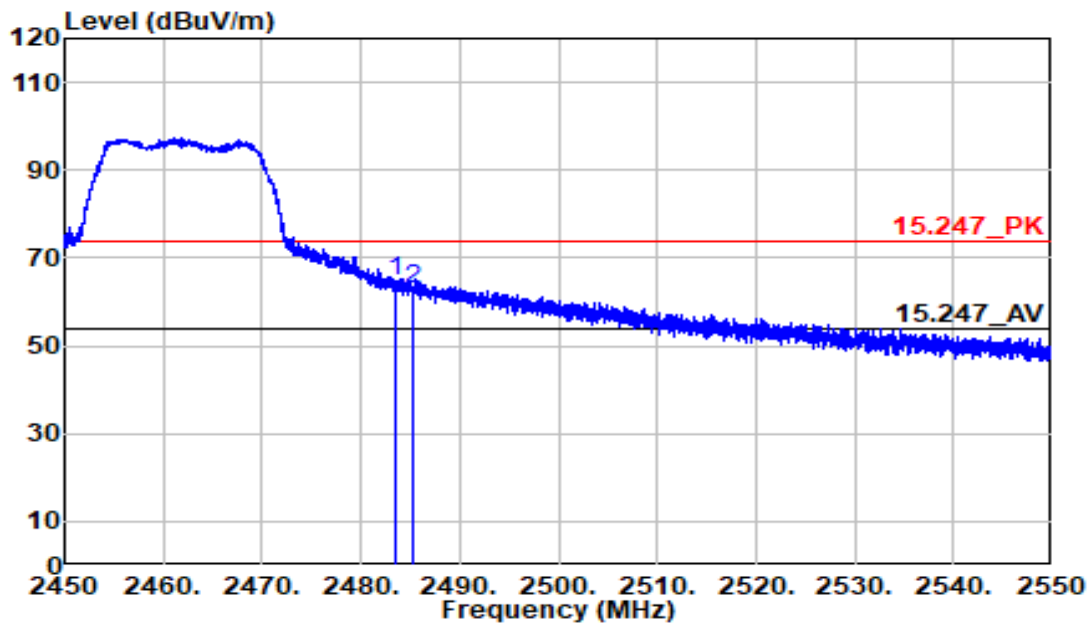


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	46.28	-11.17	35.11	54.00	-18.89	Average	107	63
2487.325	47.03	-11.16	35.87	54.00	-18.13	Average	107	63

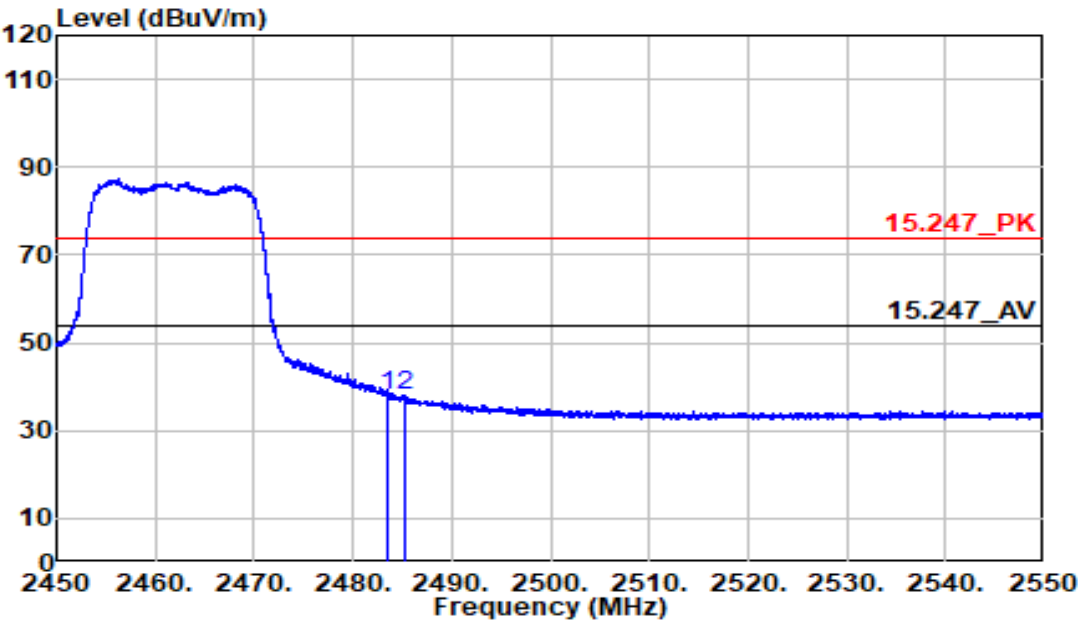
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	76.06	-11.17	64.90	74.00	-9.10	Peak	398	184
2485.175	74.13	-11.16	62.97	74.00	-11.03	Peak	398	184



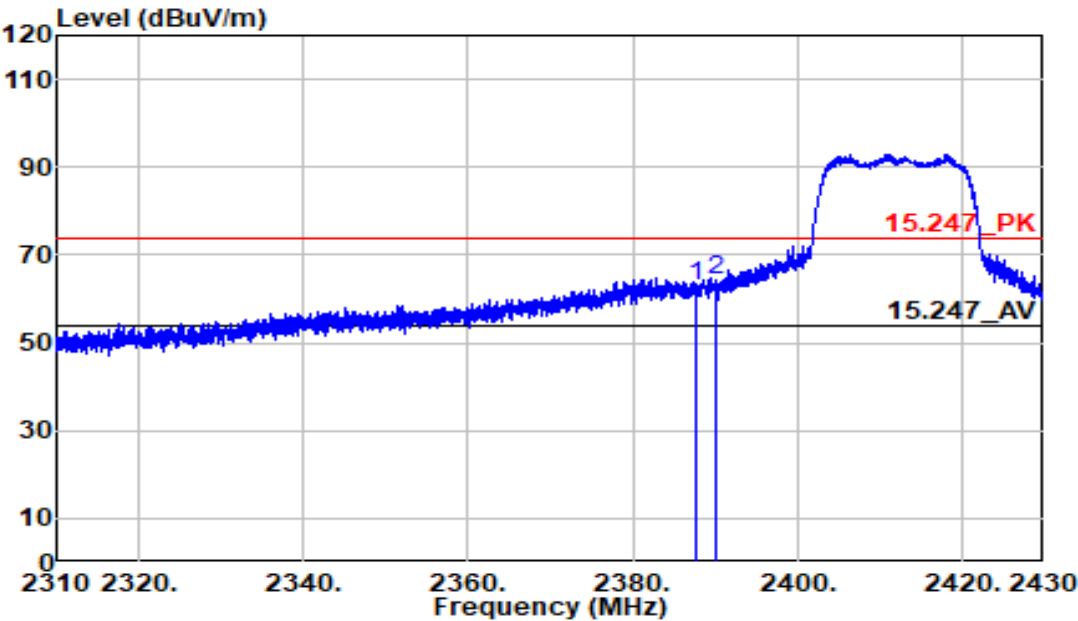
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11g	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	49.37	-11.17	38.20	54.00	-15.80	Average	398	184
2485.175	49.25	-11.16	38.09	54.00	-15.91	Average	398	184



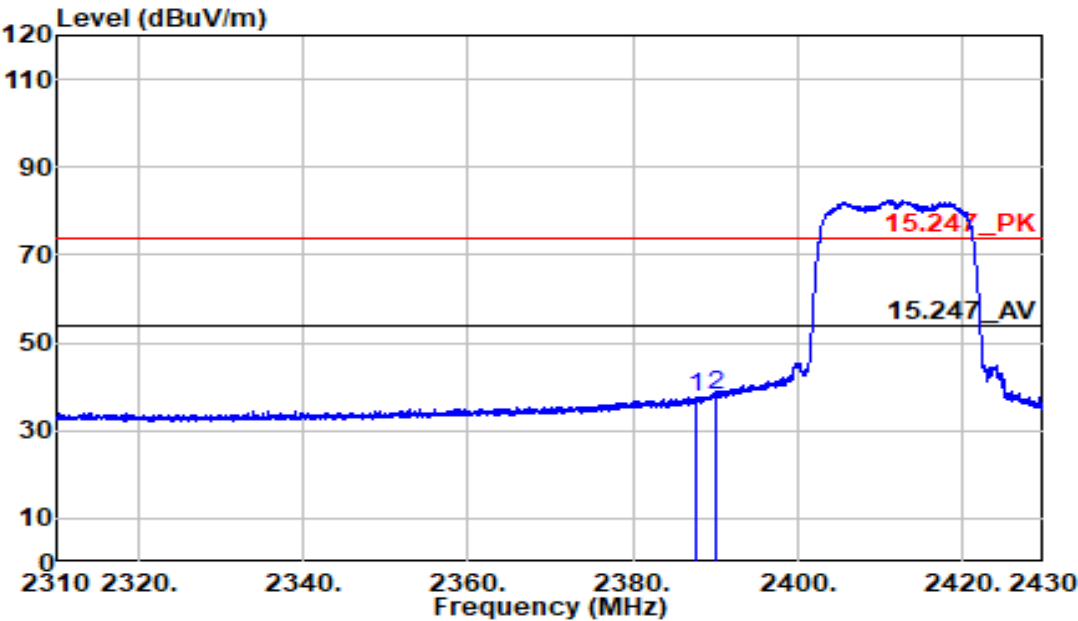
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2387.580	74.19	-11.40	62.79	74.00	-11.21	Peak	214	122
2390.000	75.54	-11.39	64.15	74.00	-9.85	Peak	214	122



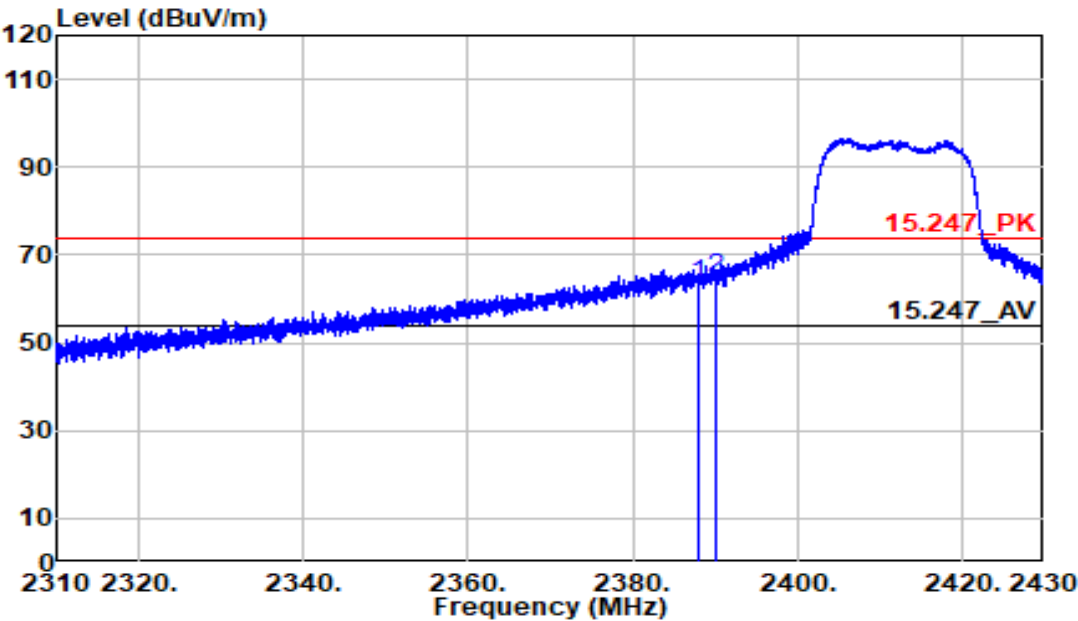
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2387.580	49.02	-11.40	37.62	54.00	-16.38	Average	214	122
2390.000	49.21	-11.39	37.82	54.00	-16.18	Average	214	122

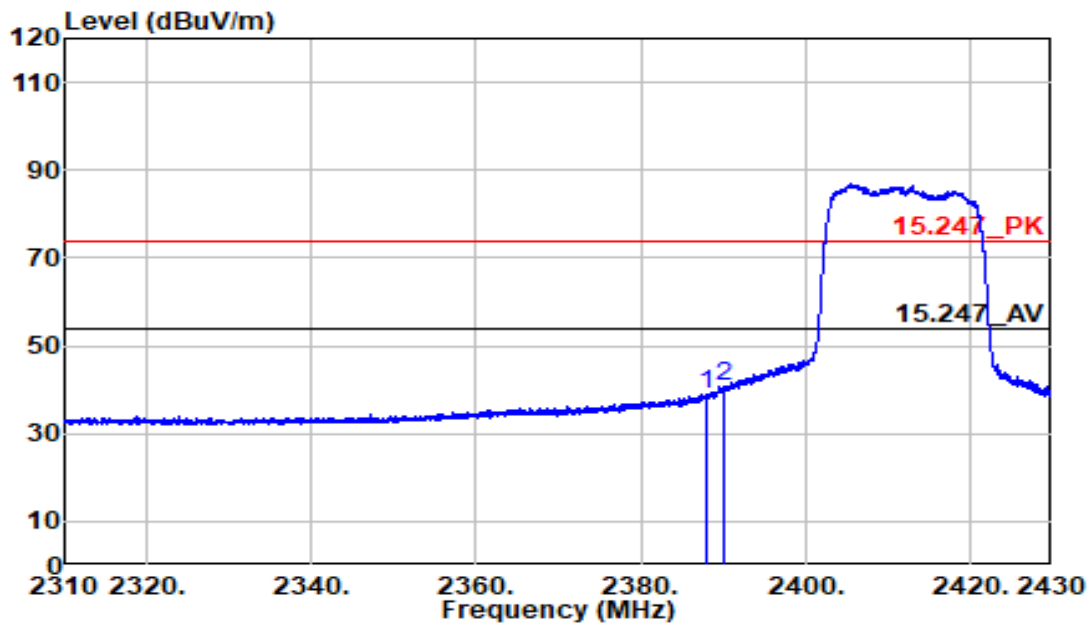


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



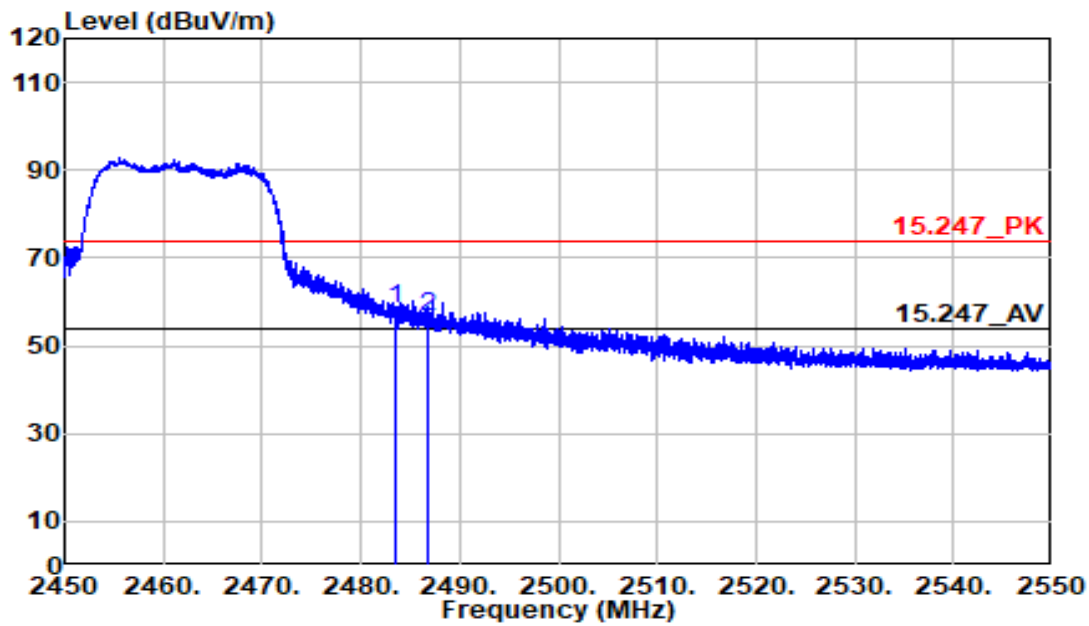
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV			PK/QP/AV	CM	DEG
	dBuV	dB/m	dBuV/m	dBuV/m	dB			
2388.120	74.98	-11.39	63.59	74.00	-10.41	Peak	257	187
2390.000	75.99	-11.39	64.61	74.00	-9.39	Peak	257	187

Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2412 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2388.120	50.29	-11.39	38.90	54.00	-15.10	Average	257	187
2390.000	52.10	-11.39	40.71	54.00	-13.29	Average	257	187

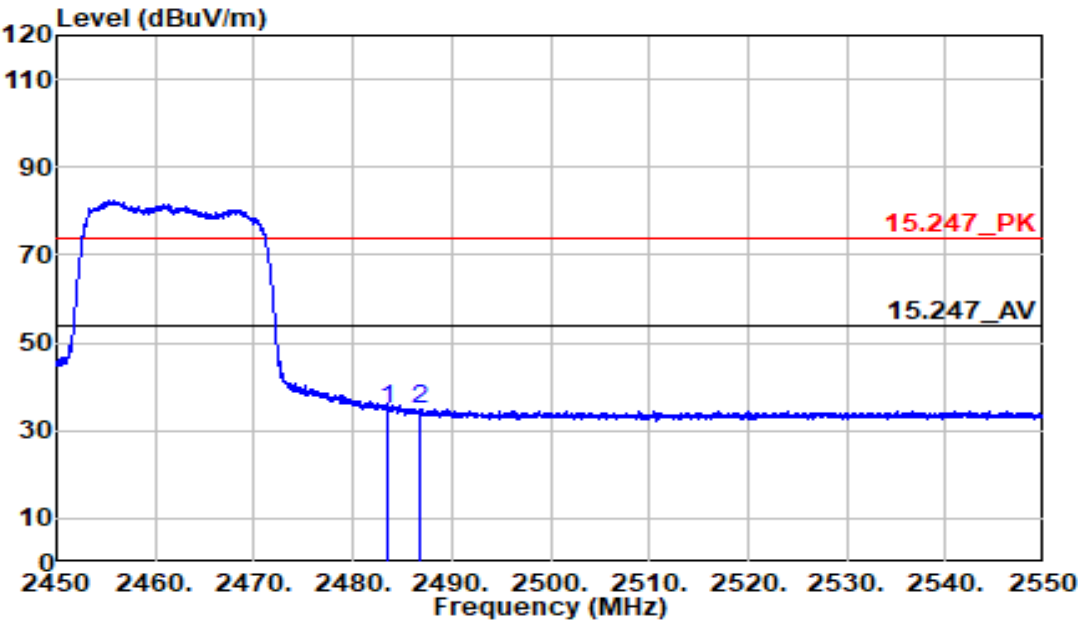
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2483.500	69.44	-11.17	58.27	74.00	-15.73	Peak	397	141
2486.675	67.75	-11.16	56.59	74.00	-17.41	Peak	397	141



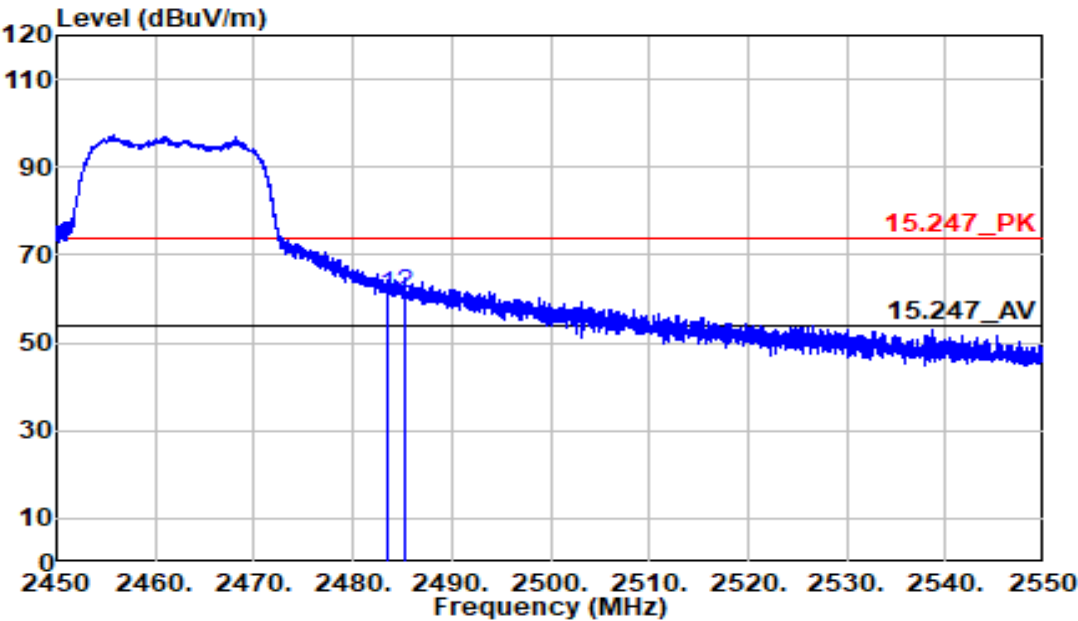
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	45.90	-11.17	34.73	54.00	-19.27	Average	397	141
2486.675	46.23	-11.16	35.06	54.00	-18.94	Average	397	141



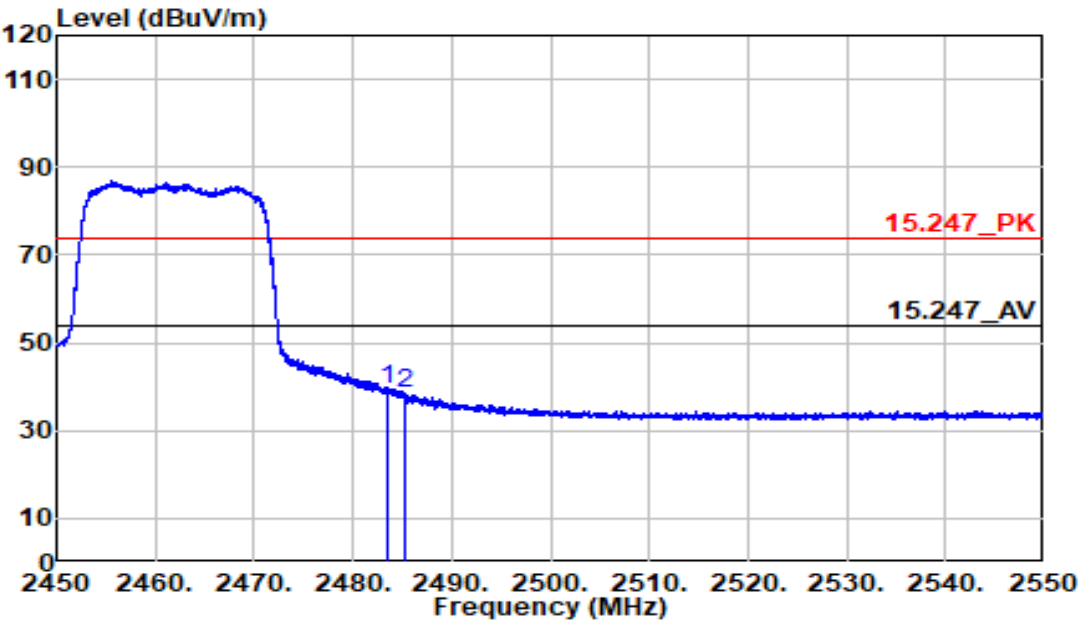
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2483.500	71.75	-11.17	60.58	74.00	-13.42	Peak	398	186
2485.325	72.20	-11.16	61.03	74.00	-12.97	Peak	398	186

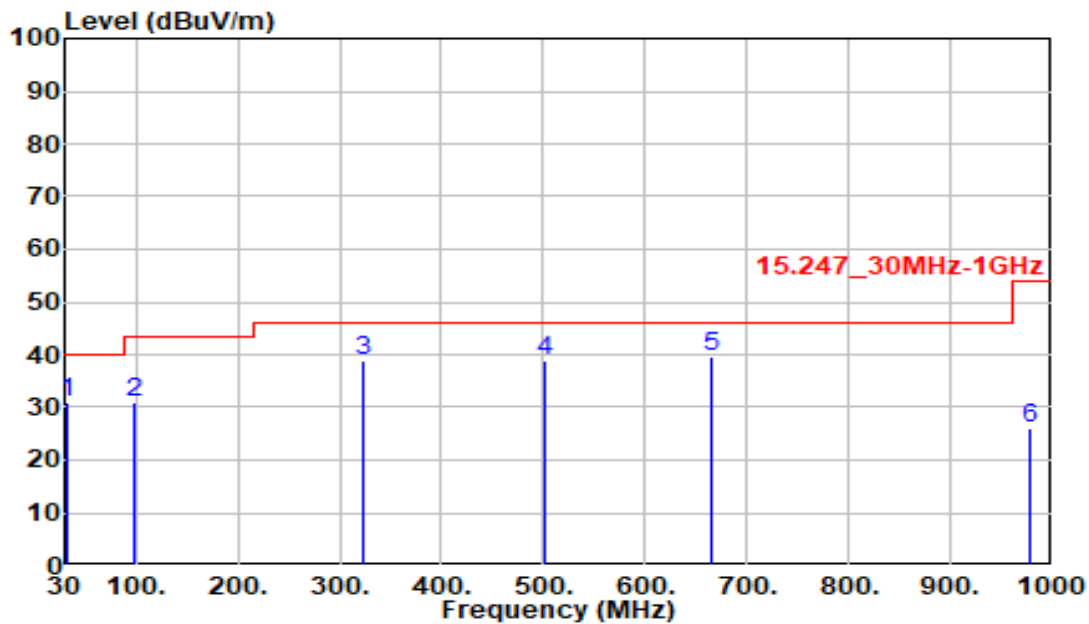


Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:802.11n20	Temp/Humi	:23.1C/63%
Channel	:2462 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Kevin Syu
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



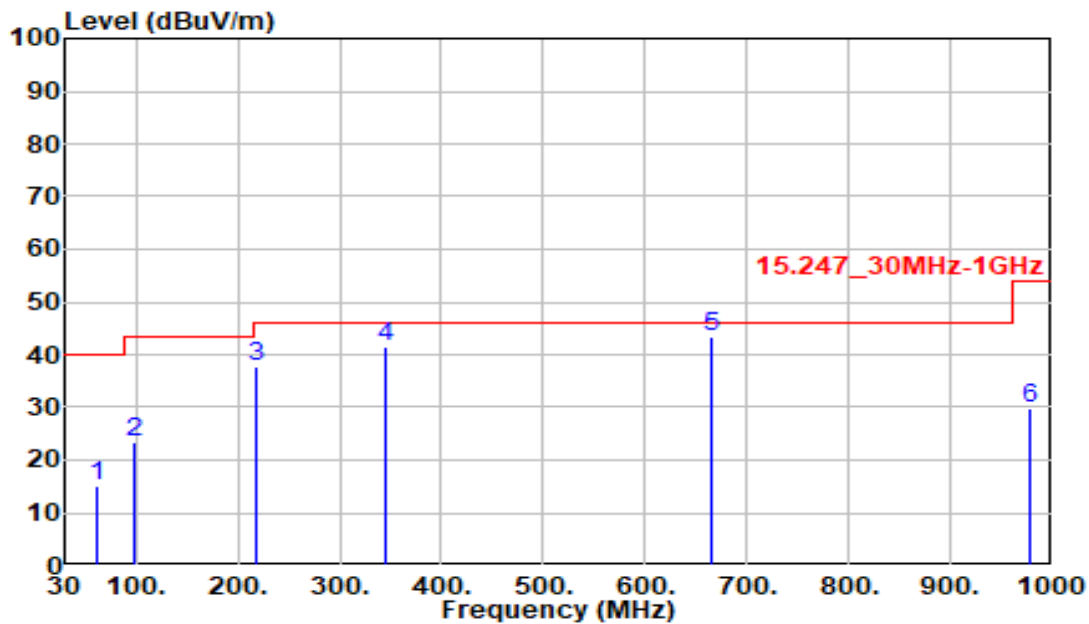
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	50.46	-11.17	39.29	54.00	-14.71	Average	398	186
2485.325	49.55	-11.16	38.39	54.00	-15.61	Average	398	186

Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:System	Temp/Humi	:23.1C/63%
Channel	:System	Antenna Pol	:Vertical
Mode	:System	Test Engineer	:Kevin Syu
Power Setting	:System	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
31.940	62.05	-31.06	30.99	40.00	-9.01	Peak	187	148
97.900	65.88	-34.97	30.91	43.50	-12.59	Peak	249	59
323.910	67.29	-28.35	38.94	46.00	-7.06	Peak	221	300
500.450	62.98	-24.01	38.97	46.00	-7.03	Peak	309	317
666.320	60.18	-20.41	39.77	46.00	-6.23	Peak	321	295
978.660	42.34	-16.18	26.16	54.00	-27.84	Peak	193	156

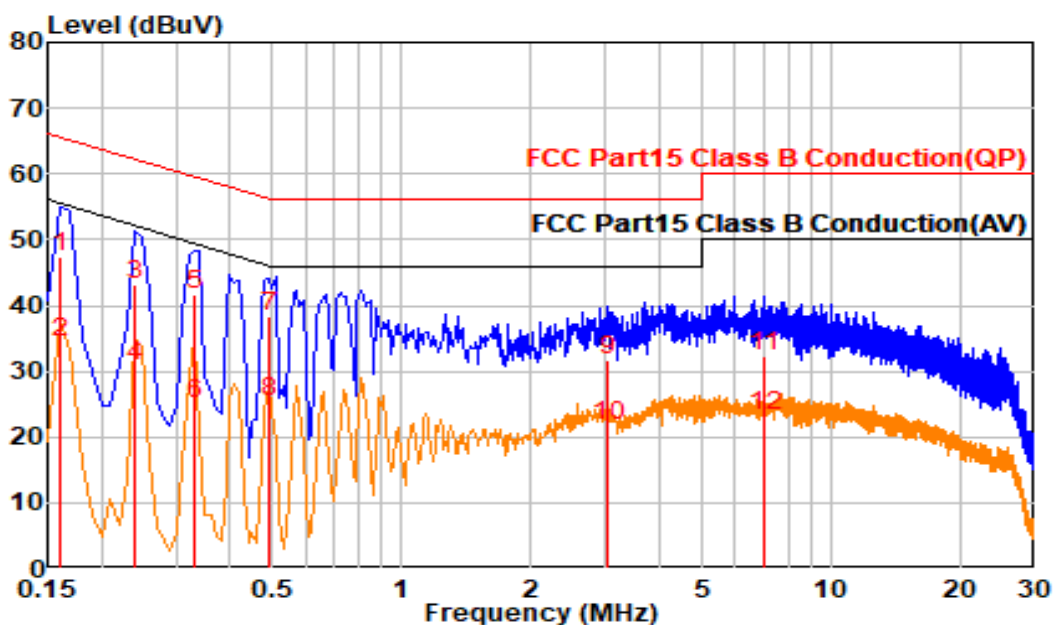
Report No.	:6128626005101	Test Date	:2026-01-28
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:System	Temp/Humi	:23.1C/63%
Channel	:System	Antenna Pol	:Horizontal
Mode	:System	Test Engineer	:Kevin Syu
Power Setting	:System	Test Site	:chamber B
Plane	:Z Plane	Power	:3.6Vdc via Battery
Note	:		



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
61.040	45.43	-30.20	15.23	40.00	-24.77	Peak	283	198
98.870	58.11	-34.81	23.30	43.50	-20.20	Peak	307	176
218.180	70.80	-33.00	37.80	46.00	-8.20	QP	117	187
345.250	69.20	-27.87	41.33	46.00	-4.67	QP	121	164
666.320	63.80	-20.41	43.39	46.00	-2.61	QP	137	218
978.660	45.98	-16.18	29.80	54.00	-24.20	Peak	189	21

Appendix E. AC Power Line Conducted Emission

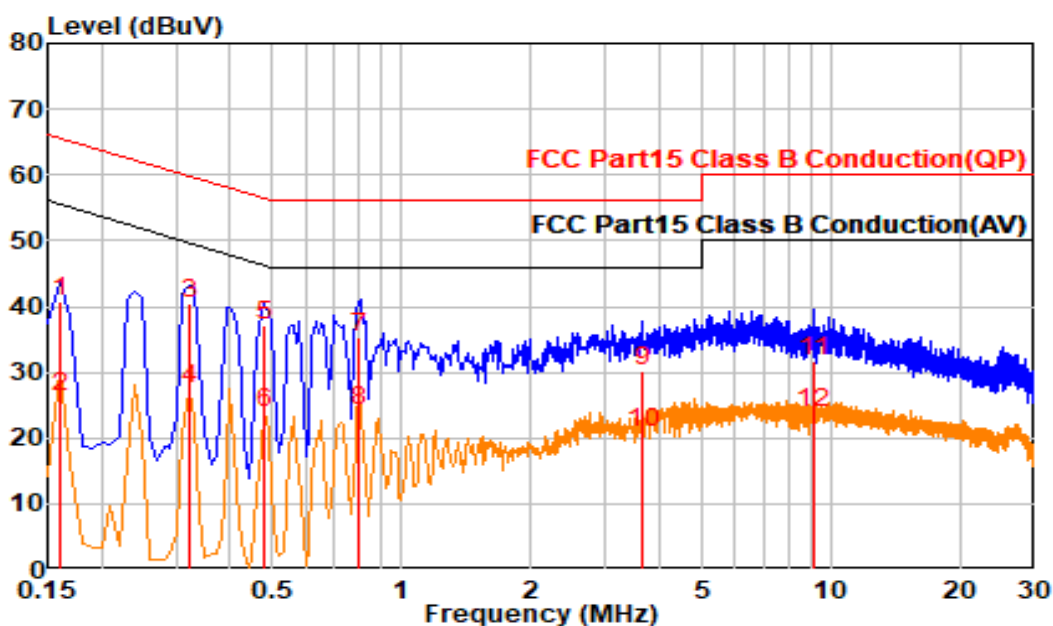
Report No.	:6128626005101	Test Date	:2026-01-29
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:System	Temp/Humi	:21.1C/62%
Mode	:2.4G	Test Engineer	:Kevin Syu
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Line	Note	:



Trace: 1

Freq	Read LV.	Factor	Cable Loss	LISN Factor	Emission LV	Limit	Margin	Detect
MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	QP/AV
0.160	37.88	9.63	0.01	9.62	47.51	65.47	-17.96	QP
0.160	24.68	9.63	0.01	9.62	34.31	55.47	-21.16	Average
0.240	33.45	9.62	0.01	9.61	43.07	62.09	-19.01	QP
0.240	21.29	9.62	0.01	9.61	30.91	52.09	-21.18	Average
0.331	31.93	9.62	0.01	9.61	41.55	59.43	-17.89	QP
0.331	15.42	9.62	0.01	9.61	25.04	49.43	-24.39	Average
0.490	28.77	9.62	0.01	9.61	38.40	56.17	-17.77	QP
0.490	15.64	9.62	0.01	9.61	25.26	46.17	-20.90	Average
3.041	22.01	9.67	0.03	9.64	31.67	56.00	-24.33	QP
3.041	12.13	9.67	0.03	9.64	21.79	46.00	-24.21	Average
6.985	22.73	9.70	0.04	9.65	32.42	60.00	-27.58	QP
6.985	13.62	9.70	0.04	9.65	23.31	50.00	-26.69	Average

Report No.	:6128626005101	Test Date	:2026-01-29
Product Name	:QUEST Thermal Imaging Binoculars	Model Name	:QUEST S50R
Operation Band	:System	Temp/Humi	:21.1C/62%
Mode	:2.4G	Test Engineer	:Kevin Syu
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Neutral	Note	:



Trace: 1

Freq	Read LV.	Factor	Cable Loss	LISN Factor	Emission LV	Limit	Margin	Detect
MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	QP/AV
0.160	31.22	9.63	0.01	9.62	40.85	65.47	-24.63	QP
0.160	16.76	9.63	0.01	9.62	26.38	55.47	-29.09	Average
0.320	30.75	9.62	0.01	9.61	40.37	59.71	-19.34	QP
0.320	17.90	9.62	0.01	9.61	27.52	49.71	-22.19	Average
0.480	27.51	9.62	0.01	9.61	37.13	56.34	-19.21	QP
0.480	14.18	9.62	0.01	9.61	23.80	46.34	-22.55	Average
0.799	25.79	9.63	0.02	9.61	35.42	56.00	-20.58	QP
0.799	14.38	9.63	0.02	9.61	24.01	46.00	-21.99	Average
3.648	20.53	9.66	0.03	9.63	30.20	56.00	-25.80	QP
3.648	11.29	9.66	0.03	9.63	20.95	46.00	-25.05	Average
9.089	21.91	9.71	0.05	9.67	31.63	60.00	-28.37	QP
9.089	14.09	9.71	0.05	9.67	23.80	50.00	-26.20	Average