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TEST REPORT

ACCORDING TO: FCC 47CFR part 15 subpart C §15.247 (FHSS), RSS-247 Issue 3:2023, RSS-Gen Issue 5

FOR:

Paradox Security Systems LTD Wireless PIR Detector

Model: PMD75M

FCC ID: KDYPMD75M

IC: 2438A-PMD75M

This report is in conformity with ISO/ IEC 17025. The "A2LA Accredited" symbol endorsement applies only to the tests and calibrations that are listed in the scope of Hermon Laboratories accreditation. The test results relate only to the items tested. This test report shall not be reproduced in any form except in full with the written approval of Hermon Laboratories Ltd.

Report ID: PARRAD_FCC.54964_TR

Date of Issue: 15-Apr-25





Table of contents

1	Applicant information	3
2	Equipment under test attributes	3
3	Manufacturer information	3
4	Test details	3
5	Tests summary	4
6	EUT description	5
6.1	General information	5
6.2	Test configuration	5
6.3	Transmitter characteristics	6
7	Transmitter tests according to 47CFR part 15 subpart C and RSS-247 requirements	7
7.1	20 dB bandwidth	7
7.2	Carrier frequency separation	10
7.3	Number of hopping frequencies	12
7.4	Average time of occupancy	18
7.5	Peak output power	21
7.6	Field strength of spurious emissions	26
7.7	Band edge radiated emissions	51
7.8	Antenna requirements	55
8	Unintentional emissions	56
8.1	Radiated emission measurements	56
9	APPENDIX A Test equipment and ancillaries used for tests	60
10	APPENDIX B Test equipment correction factors	61
11	APPENDIX C Measurement uncertainties	63
12	APPENDIX D Test laboratory description	64
13	APPENDIX E Specification references	65
14	APPENDIX F Abbreviations and acronyms	66





1 Applicant information

Client name: Paradox Security Systems LTD

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 Telephone:
 450-491-7444

 Fax:
 450-497-1095

E-mail: alexc@paradox.com

Contact name: Mr. Alex Chaplik

2 Equipment under test attributes

Product name: Wireless PIR Detector

Product type: Transceiver

Model(s): PMD75M

Serial number: 3SKQJF

Hardware version: 304-7007-090

Software release: V1.00
Receipt date 30-Jul-24

3 Manufacturer information

Manufacturer name: Paradox Security Systems LTD

Address: 780 Industrial Boulevard St.Eustache, Quebec J7R 5V3 Canada

Telephone: 450-491-7444 **Fax:** 450-497-1095

E-Mail: alexc@paradox.com
Contact name: Mr. Alex Chaplik

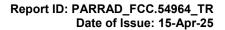
4 Test details

Project ID: 54964

Location: Hermon Laboratories Ltd. 66 HaTachana str., P.O. Box 23, Binyamina 3055001, Israel

Test started: 14-Nov-24
Test completed: 21-Jan-25

Test specification(s): FCC 47CFR part 15 subpart C §15.247 (FHSS), RSS-247 Issue 3:2023, RSS-Gen Issue 5





5 Tests summary

Test	Status
Section 15.247(a)1 / RSS-247 section 5.1(c), 20 dB bandwidth	Pass
Section 15.247(b) / RSS-247 section 5.4(a), Peak output power	Pass
Section 15.247(d) / RSS-247 section 5.5, Radiated spurious emissions	Pass
Section 15.247(a)1 / RSS-247 section 5.1(b), Frequency separation	Pass
Section 15.247(a)1 / RSS-247 section 5.1(c), Number of hopping frequencies	Pass
Section 15.247(a)1 / RSS-247 section 5.1(c), Average time of occupancy	Pass
Section 15.247(i)5 / RSS-102 section 2.5, RF exposure	Pass, the exhibit to the application of certification is provided
Section 15.247(d) / RSS-247 section 5.5, Emissions at band edges	Pass
Section 15.203 / RSS-Gen section 8.3, Antenna requirements	Pass
Section 15.207(a) / RSS-Gen section 8.8, Conducted emission	Not required
Unintentional emissions	
Section 15.107/ ICES-003 section 6.1, Class B, Conducted emission at AC power port	Not required
Section 15.109 RSS-Gen section 7.3/ ICES-003 section 6.2, Class B, Radiated emission	Pass

Testing was completed against all relevant requirements of the test standard. The results obtained indicate that the product under test complies in full with the requirements tested.

The test results relate only to the items tested. Pass/ fail decision was based on nominal values.

	Name and Title	Date	Signature
	Mr. S. Sugatov, test engineer, EMC and Radio	23-Dec-24 – 13-Jan-25	
Tested by:	Mr. M. Filobodchenko, test engineer, EMC and Radio	14-Nov-24 – 21-Jan-25	Jan
	Mrs. N. Lenkina, test engineer, EMC and Radio	14-Nov-24 – 09-Dec-24	Alexa)
Reviewed by:	Mr. M. Nikishin, EMC and Radio group leader	30-Mar-25	Nofal
Approved by:	Mr. M. Nikishin, EMC and Radio group leader	14-Apr-25	ff



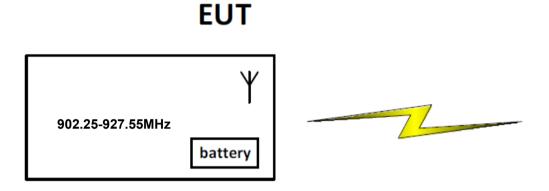
6 EUT description

Note: The following data in this clause is provided by the customer and represents his sole responsibility

6.1 General information

The EUT is a wireless, digital, dual-optic Passive Infrared (PIR) motion detector operating in 902.25 - 927.55 MHz range, powered from internal batteries of 4.5VDC (3 x 1.5VDC)

6.2 Test configuration







6.3 Transmitter characteristics

6.5 Iran	Smiller	Cilarac	teristic	55									
Type of equipme													
	one (Equipme												
	Combined equipment (Equipment where the radio part is fully integrated within another type of equipment) Plug-in card (Equipment intended for a variety of host systems)												
		ent intende		_		/stems)							
Assigned freque			902	– 928 I	MHz								
Operating frequ	encies		902	.25-927	7.55 MI	l z							
Massimosom mate d	44		At tr	ansmit	ter 50 g	Ω RF ou	tput connecto	r			dBm		
Maximum rated	output powe	r	Pea	k outpu	ıt powe	er					19.35	5 dBm	
			٧	No									
							continuous	varia	ble				
Is transmitter ou	itnut nower	variahla?					stepped var			70		dB	
is duisinities of	ichar bomer	· ar lable :		Yes	;	minimus	n RF power	iabic	with stepsi			dBm	
													-
-						maxımu	m RF power					dBm	
Antenna connec	tion												
unique c	oupling		standard	connector V in		integral	integral with temporary RF con V without temporary RF con						
Antenna/s techr		orietics						٧	without te	mporar	y RF co	onnector	
	ilcai ciiai acti					I Maralal				Cain			
Type Internal		KE)	nufacturer	er Model number KX-NZTH914						Gain 0dBi *	k		
Internal		ON'	YΧ		,		3082UU			0dBi			
Transmitter agg	regate data r	rate/s			19.2	kbps							
Type of modulat	tion				GFSI	K							
Modulating test	signal (base	band)											
Transmitter pow	er source												
V Battery		ninal rated			4.5 V	′DC	Battery t	уре	Lithium	(3 x 1	.5VDC	AAA)	
DC		ninal rated											
AC main		ninal rated					Frequen	су					
Common power	source for t	ransmitte	r and rece		1=		V (5)		yes			no	
Coreed anastrum	m 40.0hmim			V			y hopping (FF		(DTC)				
Spread spectrur	n technique	usea			Digital transmission system (DTS) Hybrid								
Spread spectrur	n parameters	s for trans	mitters to	sted p			only						
	Total numb			50			-						
FHSS	Bandwidth			78.8	6 kHz								
	Max. separa	ation of ho	ps	99.8	99.80 kHz								

^{*}Alternativity antenna variant with the same antenna characteristics and only different manufacturer



Date of Issue: 15-Apr-25

Test specification:	Section 15.247(a)1, RSS-247 section 5.1(c), 20 dB bandwidth				
Test procedure:	ANSI C63.10, section 7.8.7				
Test mode:	Compliance	Vardiate	PASS		
Date(s):	14-Nov-24	Verdict: PASS			
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1018 hPa	Power: 4.5 VDC		
Remarks:					

7 Transmitter tests according to 47CFR part 15 subpart C and RSS-247 requirements

7.1 20 dB bandwidth

7.1.1 General

This test was performed to measure the 20dB bandwidth of the transmitter hopping channel. Specification test limits are given in Table 7.1.1.

Table 7.1.1 The 20 dB bandwidth limits

Assigned frequency, MHz	Maximum bandwidth, kHz	Modulation envelope reference points*, dBc
902.0 – 928.0	250	20

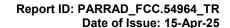
^{* -} Modulation envelope reference points provided in terms of attenuation below the peak of modulated carrier.

7.1.2 Test procedure

- 7.1.2.1 The EUT was set up as shown in Figure 7.1.1, energized and its proper operation was checked.
- **7.1.2.2** The EUT was set to transmit modulated carrier at maximum data rate.
- **7.1.2.3** The transmitter bandwidth was measured with spectrum analyzer as frequency delta between reference points on modulation envelope and provided in Table 7.1.2 and associated plot.
- **7.1.2.4** The test was repeated for each data rate and each modulation format.

Figure 7.1.1 The 20 dB bandwidth test setup







Test specification: Section 15.247(a)1, RSS-247 section 5.1(c), 20 dB bandwidth

Test procedure: ANSI C63.10, section 7.8.7

Test mode: Compliance Verdict: PASS

Date(s): 14-Nov-24

Temperature: 23 °C Relative Humidity: 47 % Air Pressure: 1018 hPa Power: 4.5 VDC

Remarks:

Table 7.1.2 The 20 dB bandwidth test results

ASSIGNED FREQUENCY BAND: 902-928 MHz

DETECTOR USED: Peak
SWEEP TIME: Auto
VIDEO BANDWIDTH: > RBW
MODULATION ENVELOPE REFERENCE POINTS: 20.0 dBc
FREQUENCY HOPPING: Disabled

Carrier frequency, MHz	Type of modulation	Data rate, kbps	20 dB bandwidth, kHz	99% bandwidth, kHz	Limit, kHz	Margin, kHz	Verdict	
Low frequency	Low frequency							
902.25	GFSK	19.2	78.78	77.47	250	-171.22	Pass	
Mid frequency								
914.95	GFSK	19.2	78.86	77.50	250	-171.14	Pass	
High frequency								
927.55	GFSK	19.2	78.86	77.51	250	-171.14	Pass	

Reference numbers of test equipment used

HL 4136	HL 5376	HL 5638	HL 6105			

Full description is given in Appendix A.

Plot 7.1.1 The 20 dB bandwidth test result at low frequency





Test specification:	Section 15.247(a)1, RSS-247 section 5.1(c), 20 dB bandwidth				
Test procedure:	ANSI C63.10, section 7.8.7				
Test mode:	Compliance	Verdict: PASS			
Date(s):	14-Nov-24				
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1018 hPa	Power: 4.5 VDC		
Remarks:					

Plot 7.1.2 The 20 dB bandwidth test result at mid frequency



Plot 7.1.3 The 20 dB bandwidth test result at high frequency





Date of Issue: 15-Apr-25	5

Test specification:	Section 15.247(a)1, RSS-247 section 5.1(b), Frequency separation				
Test procedure:	ANSI C63.10, section 7.8.2				
Test mode:	Compliance	Verdict: PASS			
Date(s):	12-Jan-25	verdict.	PASS		
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1021 hPa	Power: 4.5 VDC		
Remarks:					

7.2 Carrier frequency separation

7.2.1 General

This test was performed to measure frequency separation between the peaks of adjacent channels. Specification test limits are given in Table 7.2.1.

Table 7.2.1 Carrier frequency separation limits

A:	ssigned frequency range,	Carrier	frequency separation
	MHz	Output power 30 dBm	Output power 21 dBm
	902.0 - 928.0	25 kHz or 20 dB bandwidth	25 kHz or 20 dB bandwidth of the hopping
	2400.0 - 2483.5	of the hopping channel,	channel, whichever is greater
	5725.0 - 5850.0	whichever is greater	channer, whichever is greater

7.2.2 Test procedure

- **7.2.2.1** The EUT was set up as shown in Figure 7.2.1, energized with frequency hopping function enabled and its proper operation was checked.
- **7.2.2.2** The spectrum analyzer span was set to capture the carrier frequency and both of adjacent channels, the lower and the higher. The resolution bandwidth was set wider than 1 % of the frequency span.
- **7.2.2.3** The spectrum analyzer was set in max hold mode and allowed trace to stabilize.
- **7.2.2.4** The frequency separation between the peaks of adjacent channels was measured as provided in Table 7.2.2 and associated plots.

Figure 7.2.1 Carrier frequency separation test setup





Test specification: Section 15.247(a)1, RSS-247 section 5.1(b), Frequency separation

Test procedure: ANSI C63.10, section 7.8.2

Test mode: Compliance Verdict: PASS

Date(s): 12-Jan-25

Temperature: 23 °C Relative Humidity: 47 % Air Pressure: 1021 hPa Power: 4.5 VDC

Remarks:

Table 7.2.2 Carrier frequency separation test results

ASSIGNED FREQUENCY: 902.0 – 928.0 MHz

MODULATION: GFSK
BIT RATE: 19.2 kbps
DETECTOR USED: Peak

RESOLUTION BANDWIDTH: ≥ 1% of the span

VIDEO BANDWIDTH:≥ RBWFREQUENCY HOPPING:Enabled20 dB BANDWIDTH:78.86 kHz

Carrier frequency separation, kHz	Limit, kHz	Margin*	Verdict
99.80	78.86	-20.94	Pass

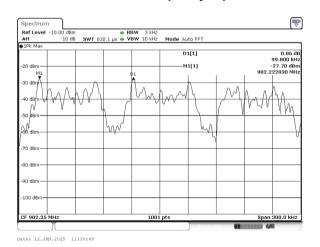
^{* -} Margin = Carrier frequency separation – specification limit.

Reference numbers of test equipment used

HL 0337	HL 4135	HL 4355	HL 5644	HL 5933		

Full description is given in Appendix A.

Plot 7.2.1 Carrier frequency separation





Date of Issue: 15-Apr-25

Test specification:	Section 15.247(a)1, RSS-24	7 section 5.1(c), Number of	hopping frequencies
Test procedure:	ANSI C63.10, section 7.8.2		
Test mode:	Compliance	Verdict:	PASS
Date(s):	12-Jan-25	verdict.	PASS
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1020 hPa	Power: 4.5 VDC
Remarks:			

7.3 Number of hopping frequencies

7.3.1 General

This test was performed to calculate the number of hopping frequencies used by the EUT. Specification test limits are given in Table 7.3.1.

Table 7.3.1 Minimum number of hopping frequencies

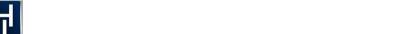
Assigned frequency range, MHz	Number of hopping frequencies			
902.0 – 928.0	50 (if the 20 dB bandwidth is less than 250 kHz) 25 (if the 20 dB bandwidth is 250 kHz or greater)			
2400.0 – 2483.5	15			
5725.0 - 5850.0	75			

7.3.2 Test procedure

- **7.3.2.1** The EUT was set up as shown in Figure 7.3.1, energized with frequency hopping function enabled and its proper operation was checked.
- **7.3.2.2** Initially the spectrum analyzer span was set equal to frequency band of operation and the resolution bandwidth was set wider than 1 % of the frequency span. If the separate hopping channels were not clearly resolved the frequency band of operation was broken to sections and the resolution bandwidth was set wider than 1 % of the frequency span of each section.
- **7.3.2.3** The spectrum analyzer was set in max hold mode and allowed trace to stabilize.
- 7.3.2.4 The number of frequency hopping channels was calculated as provided in Table 7.3.2 and associated plots.

Figure 7.3.1 Hopping frequencies test setup





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Test specification:	Section 15.247(a)1, RSS-24	7 section 5.1(c), Number of	hopping frequencies
Test procedure:	ANSI C63.10, section 7.8.2		
Test mode:	Compliance	Verdict:	PASS
Date(s):	12-Jan-25	verdict.	PASS
Temperature: 23 °C	Relative Humidity: 47 %	Air Pressure: 1020 hPa	Power: 4.5 VDC
Remarks:			

Table 7.3.2 Hopping frequencies test results

ASSIGNED FREQUENCY: 902.0 – 928.0 MHz

MODULATION: GFSK DETECTOR USED: Peak

RESOLUTION BANDWIDTH: ≥ 1% of the span

VIDEO BANDWIDTH: ≥ RBW FREQUENCY HOPPING: Enabled

Number of hopping frequencies	Minimum number of hopping frequencies	Margin*	Verdict
254	50	-204	Pass

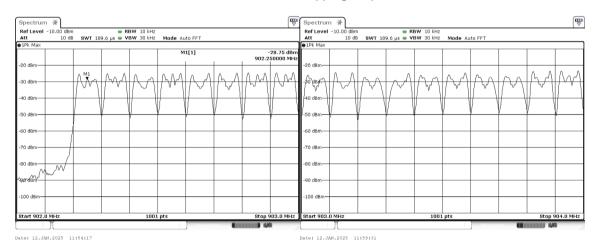
^{* -} Margin = Number of hopping frequencies – Minimum number of hopping frequencies.

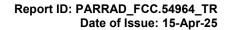
Reference numbers of test equipment used

HL 0337	HL 4135	HL 4355	HL 5644	HL 5933		

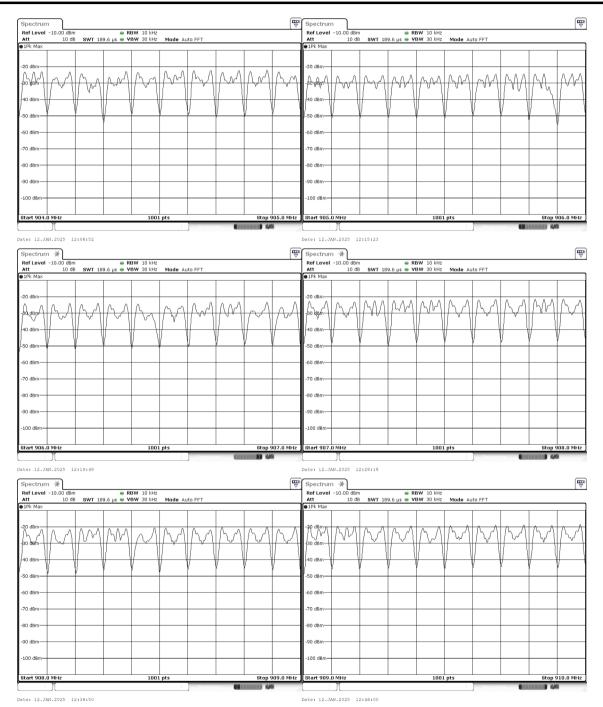
Full description is given in Appendix A.

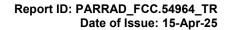
Plot 7.3.1 Number of hopping frequencies



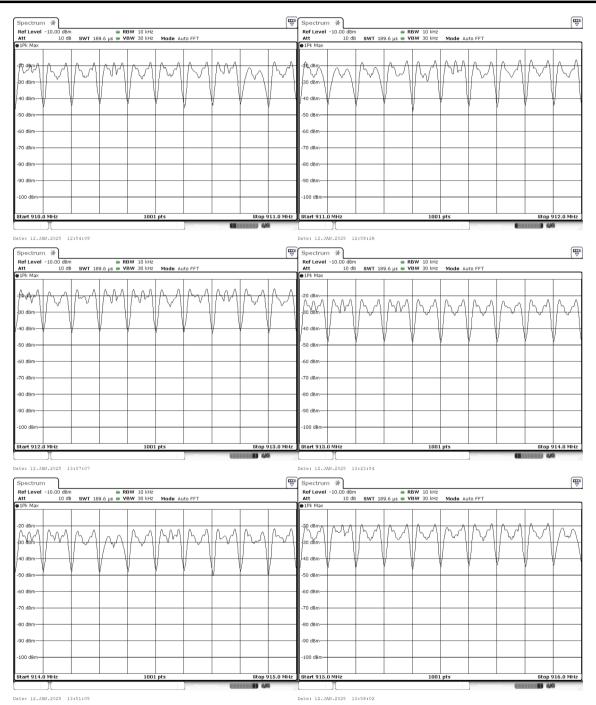


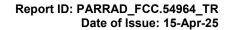




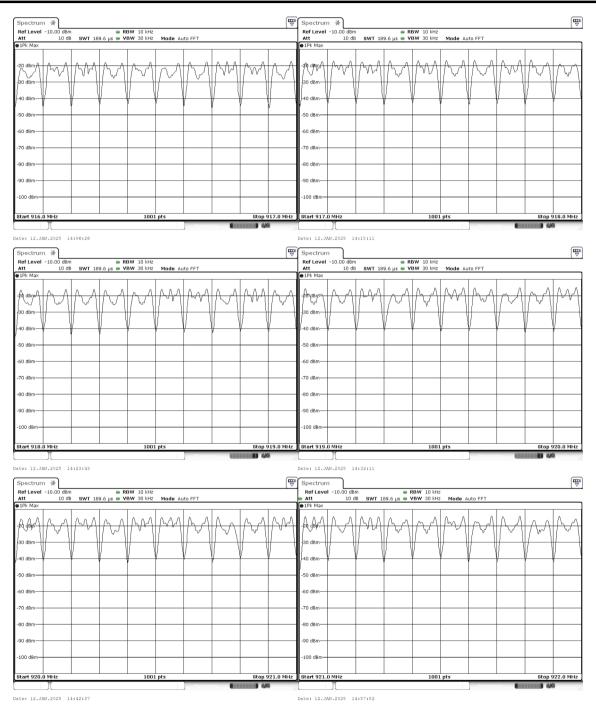


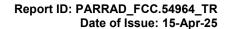




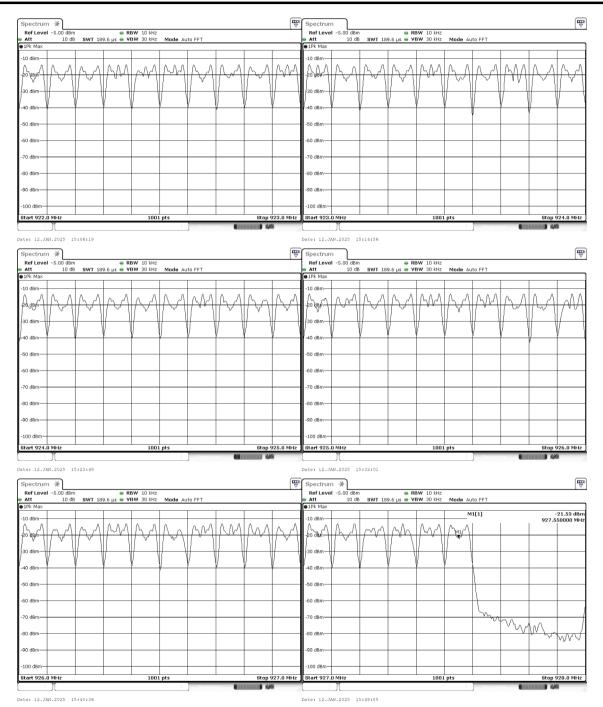














Test specification:	Section 15.247(a)1, RSS-	247 section 5.1(c), Average ti	me of occupancy
Test procedure:	ANSI C63.10, section 7.8.4		
Test mode:	Compliance	Vordict	PASS
Date(s):	09-Dec-24	Verdict:	PASS
Temperature: 23 °C	Relative Humidity: 49 %	Air Pressure: 1022 hPa	Power: 4.5 VDC
Remarks:			

7.4 Average time of occupancy

7.4.1 General

This test was performed to calculate the average time of occupancy (dwell time) on any frequency channel of the EUT. Specification test limits are given in Table 7.4.1.

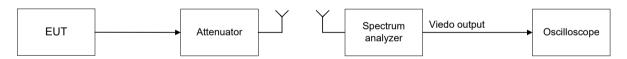
Table 7.4.1 Average time of occupancy limits

Assigned frequency maximum average time of range, MHz occupancy, s		Investigated period, s	Number of hopping frequencies
902.0 - 928.0	0.4	20.0	≥ 50
902.0 - 928.0	0.4	10.0	< 50
2400.0 - 2483.5	0.4	0.4 × N	N (≥ 15)
5725.0 - 5850.0	0.4	30.0	≥ 75

7.4.2 Test procedure

- **7.4.2.1** The EUT was set up as shown in Figure 7.4.1, energized with frequency hopping function enabled and its proper operation was checked.
- **7.4.2.2** The spectrum analyzer span was set to zero centered on a hopping channel.
- **7.4.2.3** The single transmission duration and period were measured with oscilloscope.
- **7.4.2.4** The average time of occupancy was calculated as the single transmission time multiplied by the investigated period and divided by the single transmission period.
- **7.4.2.5** The test was repeated at each data rate and modulation type as provided in Table 7.4.2 and associated plots.

Figure 7.4.1 Average time of occupancy test setup





Date of Issue: 15-Apr-25

Test specification:	Section 15.247(a)1, RSS-24	7 section 5.1(c), Average ti	me of occupancy
Test procedure:	ANSI C63.10, section 7.8.4		
Test mode:	Compliance	Verdict:	PASS
Date(s):	09-Dec-24	verdict.	PASS
Temperature: 23 °C	Relative Humidity: 49 %	Air Pressure: 1022 hPa	Power: 4.5 VDC
Remarks:			

Table 7.4.2 Average time of occupancy test results

ASSIGNED FREQUENCY:

MODULATION:

MODULATING SIGNAL:

DETECTOR USED:

NUMBER OF HOPPING FREQUENCIES:

INVESTIGATED PERIOD:

FREQUENCY HOPPING:

902-928 MHz

902-

C	Carrier frequency, MHz		Number of transmission during investigation period	Average time of	Bit rate, kbps	Symbol rate, Msymbol/s	Limit, s	Margin, s**	Verdict
	914.95	0.0115	2	0.023	19.2	NA	0.4	-0.377	Pass

^{* -} Average time of occupancy = (Single transmission duration × Investigated period) / (Single transmission period × number of hopping channels).

Reference numbers of test equipment used

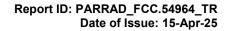
HL 413	HL 5376	HL 5638	HL 6105				
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Full description is given in Appendix A.

Plot 7.4.1 Single transmission duration



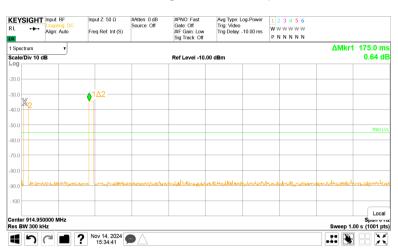
^{** -} Margin = Average time of occupancy – specification limit.





Test specification:	Section 15.247(a)1, RSS-247 section 5.1(c), Average time of occupancy				
Test procedure:	ANSI C63.10, section 7.8.4				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	09-Dec-24	verdict.	PASS		
Temperature: 23 °C	Relative Humidity: 49 %	Air Pressure: 1022 hPa	Power: 4.5 VDC		
Remarks:					

Plot 7.4.2 Single transmission period





Date of Issue: 15-Apr-25

Test specification:	Section 15.247(b), RSS-247 section 5.4(a), Peak output power				
Test procedure:	ANSI C63.10, section 7.8.5				
Test mode:	Compliance	Verdict: PASS			
Date(s):	04-Dec-24	verdict.	PASS		
Temperature: 22 °C	Relative Humidity: 49 %	Air Pressure: 1015 hPa	Power: 4.5 VDC		
Remarks:					

7.5 Peak output power

7.5.1 General

This test was performed to measure the maximum peak output power radiated by transmitter. Specification test limits are given in Table 7.5.1.

Table 7.5.1 Peak output power limits

Assigned	Peak outp	out power*	Equivalent field strength limit	Maximum
frequency range, MHz	w	dBm	@ 3m, dB(μV/m)*	antenna gain, dBi
902.0 – 928.0	0.25 (<50 hopping channels)	24.0(<50 hopping channels)	125.2 (<50 hopping channels)	6.0*
902.0 - 920.0	1.0 (≥50 hopping channels)	30.0 (≥50 hopping channels)	131.2 (≥50 hopping channels)	0.0

^{*-} Equivalent field strength limit was calculated from the peak output power as follows: E=sqrt(30×P×G)/r, where P is peak output power in Watts, r is antenna to EUT distance in meters and G is transmitter antenna gain in dBi.

- by 1 dB for every 3 dB that the directional gain of antenna exceeds 6 dBi for fixed point-to-point transmitters operate in 2400-2483.5 MHz band;
- without any corresponding reduction for fixed point-to-point transmitters operate in 5725-5850 MHz band;
- by the amount in dB that the directional gain of antenna exceeds 6 dBi for the rest of transmitters.

7.5.2 Test procedure

- 7.5.2.1 The EUT was set up as shown in Figure 7.5.1, energized and its proper operation was checked.
- 7.5.2.2 The EUT was adjusted to produce maximum available to end user RF output power.
- **7.5.2.3** The frequency span of spectrum analyzer was set approximately 5 times wider than 20 dB bandwidth of the EUT and the resolution bandwidth was set wider than 20 dB bandwidth of the EUT. To find maximum radiation the turntable was rotated 360⁰ and the measuring antenna height was swept in both vertical and horizontal polarizations.
- **7.5.2.4** The maximum field strength of the EUT carrier frequency was measured as provided in Table 7.5.2 and associated plots.
- **7.5.2.5** The maximum peak output power was calculated from the field strength of carrier as follows:

$$P = (E \times d)^2 / (30 \times G)$$
.

where P is the peak output power in W, E is the field strength in V/m, d is the test distance and G is the transmitter numeric antenna gain over an isotropic radiator.

The above equation was converted in logarithmic units for 3 m test distance:

Peak output power in dBm = Field strength in dB(μV/m) - Transmitter antenna gain in dBi – 95.2 dB

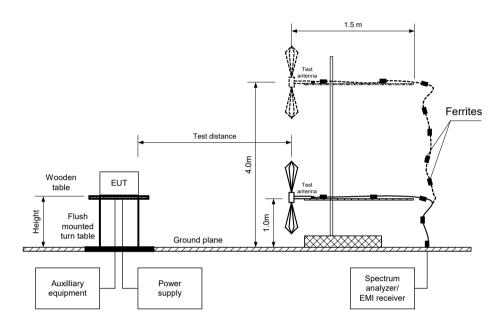
7.5.2.6 The worst test results (the lowest margins) were recorded in Table 7.5.2.

^{**-} The limit is provided in terms of conducted RF power at the antenna connector. If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power limit shall be reduced below the stated value as follows:



Test specification:	Section 15.247(b), RSS-247 section 5.4(a), Peak output power				
Test procedure:	ANSI C63.10, section 7.8.5				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	04-Dec-24	verdict.	PASS		
Temperature: 22 °C	Relative Humidity: 49 %	Air Pressure: 1015 hPa	Power: 4.5 VDC		
Remarks:					

Figure 7.5.1 Setup for carrier field strength measurements





Date of Issue: 15-Apr-25

Test specification:	Section 15.247(b), RSS-247 section 5.4(a), Peak output power				
Test procedure:	ANSI C63.10, section 7.8.5				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	04-Dec-24	verdict.	PASS		
Temperature: 22 °C	Relative Humidity: 49 %	Air Pressure: 1015 hPa	Power: 4.5 VDC		
Remarks:					

Table 7.5.2 Peak output power test results

ASSIGNED FREQUENCY: 902-928 MHz

TEST DISTANCE: 3 m

TEST SITE: Semi anechoic chamber

EUT HEIGHT: 0.8 m DETECTOR USED: Peak

TEST ANTENNA TYPE: Biconilog (30 MHz – 1000 MHz)

MODULATION: **GFSK** BIT RATE: 19.2 kbps **DETECTOR USED:** Peak EUT 20 dB BANDWIDTH: 78.59 kHz 100 kHz **RESOLUTION BANDWIDTH:** VIDEO BANDWIDTH: 300 kHz FREQUENCY HOPPING: Disabled NUMBER OF FREQUENCY HOPPING CHANNELS: 254

Frequency, MHz	Field strength, dB(μV/m)	Antenna polarization	Antenna height, m	Azimuth, degrees*	EUT antenna gain, dBi	Peak output power, dBm**	Limit, dBm	Margin, dB***	Verdict
902.25	112.61	Horizontal	1.0	60	0	17.41	30	-12.59	Pass
914.95	114.55	Horizontal	1.1	65	0	19.35	30	-10.65	Pass
927.55	109.85	Horizontal	1.0	55	0	14.65	30	-15.35	Pass

^{*-} EUT front panel refer to 0 degrees position of turntable.

Reference numbers of test equipment used

					_
HL 3903	HL 5288	HL 5902	HL 7585		

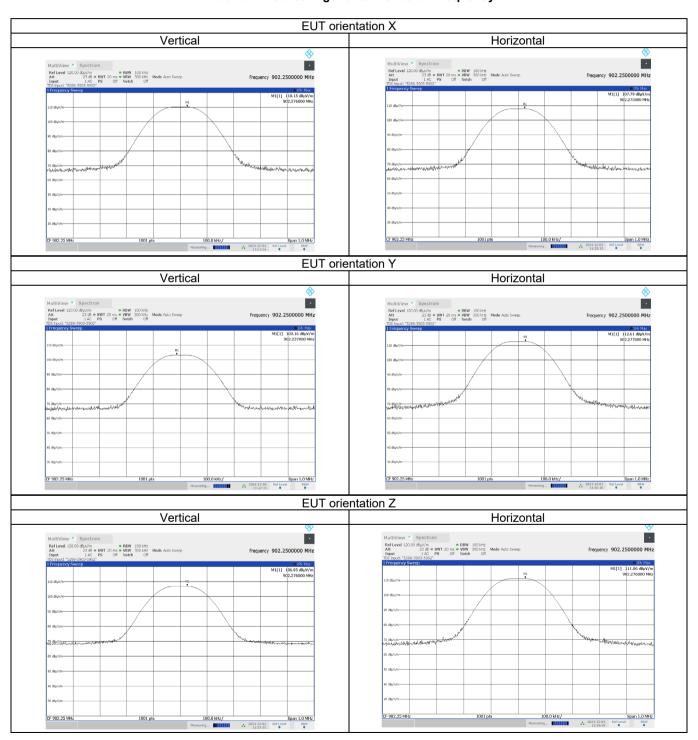
Full description is given in Appendix A.

^{**-} Peak output power was calculated from the field strength of carrier as follows: $P = (E \times d)^2/(30 \times G)$, where P is the peak output power in W, E is the field strength in V/m, d is the test distance in meters and G is the transmitter numeric antenna gain over an isotropic radiator. The above equation was converted in logarithmic units for 3 m test distance: Peak output power in dBm = Field strength in dB(μ V/m) - Transmitter antenna gain in dBi – 95.2 dB ***- Margin = Peak output power – specification limit.



Test specification:	Section 15.247(b), RSS-247	section 5.4(a), Peak output	t power
Test procedure:	ANSI C63.10, section 7.8.5		
Test mode:	Compliance	Verdict: PASS	
Date(s):	04-Dec-24	Verdict:	PASS
Temperature: 22 °C	Relative Humidity: 49 %	Air Pressure: 1015 hPa	Power: 4.5 VDC
Remarks:			

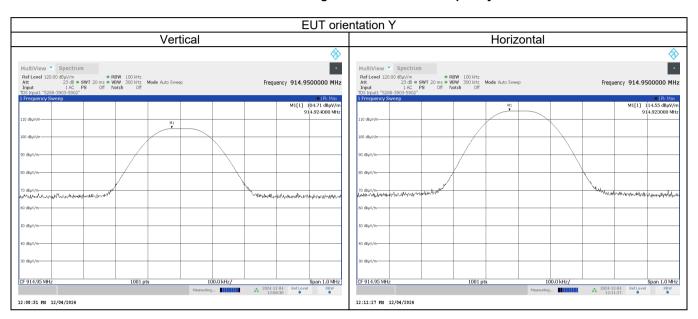
Plot 7.5.1 Field strength of carrier at low frequency



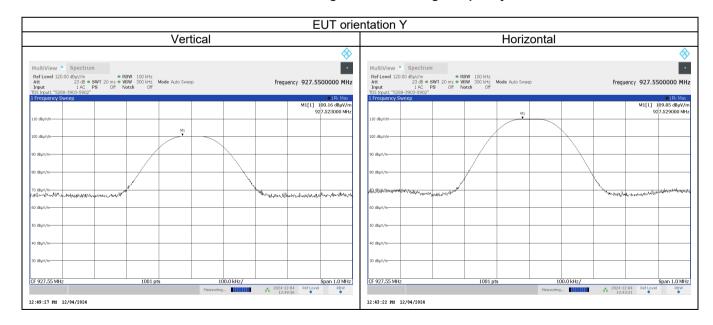


Test specification:	Section 15.247(b), RSS-247	section 5.4(a), Peak outpu	t power
Test procedure:	ANSI C63.10, section 7.8.5		
Test mode:	Compliance	Verdict: PASS	
Date(s):	04-Dec-24	Verdict:	PASS
Temperature: 22 °C	Relative Humidity: 49 %	Air Pressure: 1015 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.5.2 Field strength of carrier at mid frequency



Plot 7.5.3 Field strength of carrier at high frequency





Date of Issue: 15-Apr-25

Test specification:	Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions				
Test procedure:	ANSI C63.10, sections 6.5, 6.6				
Test mode:	Compliance	Verdict: PASS			
Date(s):	23-Dec-24	verdict.	PASS		
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC		
Remarks:					

7.6 Field strength of spurious emissions

7.6.1 General

This test was performed to measure field strength of spurious emissions from the EUT. Specification test limits are given in Table 7.6.1.

Table 7.6.1 Radiated spurious emissions limits

Frequency, MHz	Field streng	th at 3 m within res dB(μV/m)***	Attenuation of field strength of spurious versus	
1 requeriey, mil2	Peak Quasi Peak Average		carrier outside restricted bands, dBc***	
0.009 - 0.090	148.5 – 128.5	NA	128.5 – 108.5**	
0.090 - 0.110	NA	108.5 – 106.8**	NA	
0.110 - 0.490	126.8 – 113.8	NA	106.8 - 93.8**	
0.490 - 1.705		73.8 – 63.0**		
1.705 – 30.0*		69.5		20.0
30 – 88	NA	40.0	NA	20.0
88 – 216	INA	43.5	INA	
216 – 960		46.0		
960 - 1000		54.0		
1000 – 10 th harmonic	74.0	NA	54.0	

^{*-} The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows: $Lim_{S2} = Lim_{S1} + 40 log (S_1/S_2),$

where S_1 and S_2 – standard defined and test distance respectively in meters.

7.6.2 Test procedure for spurious emission field strength measurements in 9 kHz to 30 MHz band

- **7.6.2.1** The EUT was set up as shown in Figure 7.6.1, energized and the performance check was conducted.
- **7.6.2.2** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360⁰ and the measuring antenna was rotated around its vertical axis.
- **7.6.2.3** The worst test results (the lowest margins) were recorded and shown in the associated plots.

7.6.3 Test procedure for spurious emission field strength measurements above 30 MHz

- **7.6.3.1** The EUT was set up as shown in Figure 7.6.2, Figure 1.1.3, energized and the performance check was conducted.
- **7.6.3.2** The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 360°, the measuring antenna height was changed from 1 to 4 m, its polarization was switched from vertical to horizontal.
- 7.6.3.3 The worst test results (the lowest margins) were recorded and shown in the associated plots.

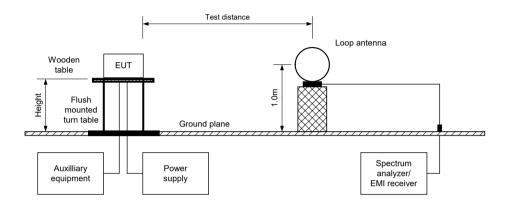
^{**-} The limit decreases linearly with the logarithm of frequency.

^{*** -} The field strength limits applied from the lowest radio frequency generated in the device, without going below 9 kHz up to the tenth harmonic of the highest fundamental frequency.



Test specification:	Section 15.247(c), RSS-247	section 5.5, Radiated spur	ious emissions
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict.	PASS
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Figure 7.6.1 Setup for spurious emission field strength measurements below 30 MHz





Test specification:	ication: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions					
Test procedure:	ANSI C63.10, sections 6.5, 6.6					
Test mode:	Compliance	Verdict:	PASS			
Date(s):	23-Dec-24	verdict:	PASS			
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC			
Remarks:						

Figure 7.6.2 Setup for spurious emission field strength measurements from 30 to 1000 MHz

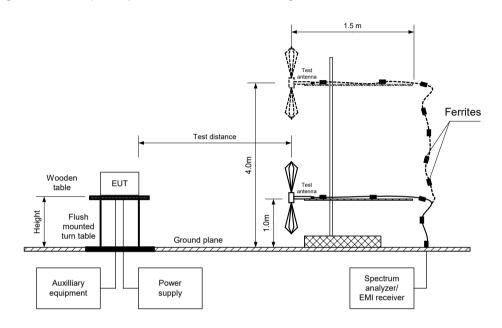
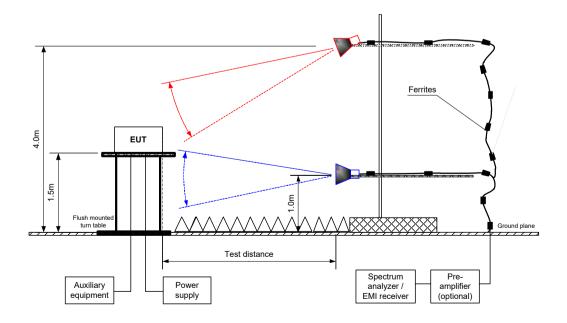


Figure 7.6.3 Setup for spurious emission field strength measurements above 1000 MHz







Date of Issue: 15-Apr-25

Test specification:	ion: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions					
Test procedure:	ANSI C63.10, sections 6.5, 6.6					
Test mode:	Compliance	Verdict:	PASS			
Date(s):	23-Dec-24	verdict:	PASS			
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC			
Remarks:						

Table 7.6.2 Field strength of emissions outside restricted bands

ASSIGNED FREQUENCY: 902 - 928 MHz
INVESTIGATED FREQUENCY RANGE: 0.009 - 9500 MHz

TEST DISTANCE: 3 m

MODULATION: GFSK

BIT RATE: 19.2 kbps

DUTY CYCLE: 100 %

TRANSMITTER OUTPUT POWER SETTINGS: Maximum

TRANSMITTER OUTPUT POWER: 17.41 dBm at low carrier frequency

19.35 dBm at mid carrier frequency 14.65 dBm at high carrier frequency

DETECTOR USED: Peak
RESOLUTION BANDWIDTH: 100 kHz
VIDEO BANDWIDTH: 300 kHz

TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)

Biconilog (30 MHz – 1000 MHz)

Double ridged guide (above 1000 MHz)

FREQUENCY HOPPING: Disabled

Frequency, MHz	Field strength of spurious, dB(μV/m)	Antenna polarization	Antenna height, m	Azimuth, degrees*	Field strength of carrier, dB(μV/m)	Attenuation below carrier, dBc	Limit, dBc	Margin, dB**	Verdict
Low carrier	frequency (902.	25 MHz)							
1804.556	66.76	Horizontal	1.75	-105	112.61	45.85	20.0	-25.85	Pass
Mid carrier f	Mid carrier frequency (914.95 MHz)								
1829.848	66.90	Horizontal	1.65	-86		37.81		-17.81	
5489.863	68.19	Vertical	2.40	163	104.71	36.52	20.0	-16.52	Pass
6404.65	47.19	Horizontal	1.00	-70		57.52		-37.52	
High carrier	High carrier frequency (927.55 MHz)								
1855.153	63.65	Horizontal	1.00	-28		46.20		-26.20	
5565.466	62.59	Horizontal	1.50	-106	109.85	47.26	20.0	-27.26	Pass
9275.883	49.27	Horizontal	2.1	25		60.58		-40.58	

^{*-} EUT front panel refers to 0 degrees position of turntable.

^{**-} Margin = specification limit- Attenuation below carrier.





Test specification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions

Test procedure: ANSI C63.10, sections 6.5, 6.6

Test mode: Compliance Verdict: PASS

Date(s): 23-Dec-24

Temperature: 23 °C Relative Humidity: 45 % Air Pressure: 1013 hPa Power: 4.5 VDC

Remarks:

Table 7.6.3 Field strength of spurious emissions above 1 GHz within restricted bands

ASSIGNED FREQUENCY: 902 - 928 MHz
INVESTIGATED FREQUENCY RANGE: 1000 - 9500 MHz

TEST DISTANCE: 3 m

MODULATION: GFSK

MODULATING SIGNAL: PRBS

BIT RATE: 19.2 kbps

DUTY CYCLE: 100 %

TRANSMITTER OUTPUT POWER SETTINGS: Maximum

TRANSMITTER OUTPUT POWER: 17.41 dBm at low carrier frequency (112.61 dBμV/m) 19.35 dBm at mid carrier frequency (114.55 dBμV/m)

14.65 dBm at high carrier frequency (109.85 dBμV/m)

DETECTOR USED: Peak
RESOLUTION BANDWIDTH: 1000 kHz

TEST ANTENNA TYPE: Double ridged guide

FREQUENCY HOPPING: Disabled

	Anteni	na		Peak field s	trenath(VB	W=3 MHz)	,	verage field	strenath		
Frequency, MHz		Height, m	Azimuth, degrees*	Measured, dB(μV/m)	Limit, dB(μV/m)	Margin,		Calculated, dB(μV/m)	Limit,	Margin, dB***	Verdict
Low carrie	r frequency (902.25 M	Hz)								
2706.685	Horizontal	2.00	110	61.06	74.00	-12.94	58.28	42.28	54.00	-11.72	
3608.945	Vertical	1.97	177	55.71	74.00	-18.29	53.35	36.93	54.00	-17.07	
4511.135	Horizontal	1.45	-135	63.22	74.00	-10.78	62.86	44.44	54.00	-9.56	Pass
5413.670	Vertical	2.30	152	65.86	74.00	-8.14	63.06	47.08	54.00	-6.92	
9022.275	Vertical	2.30	180	53.83	74.00	-20.17	44.53	35.05	54.00	-18.95	
Mid carrier	frequency (9	14.95 MI	Hz)								
2744.795	Horizontal	2.18	111	61.97	74.00	-12.03	55.97	43.19	54.00	-10.81	
3659.730	Vertical	1.73	180	55.62	74.00	-18.38	54.49	36.84	54.00	-17.16	
4574.585	Horizontal	1.31	100	60.70	74.00	-13.30	60.34	41.92	54.00	-12.08	Pass
7319.60	Vertical	1.00	140	52.54	74.00	-21.46	46.61	27.83	54.00	-26.17	Fa55
8234.55	Vertical	1.10	15	51.32	74.00	-22.68	38.03	19.25	54.00	-34.75	
9149.50	Vertical	1.40	-180	53.28	74.00	-20.72	46.16	27.38	54.00	-26.62	
High carrie	High carrier frequency (927.55 MHz)										
2782.665	Vertical	1.02	17	61.38	74.00	-12.62	59.07	40.29	54.00	-13.71	
3710.285	Vertical	1.22	99	51.42	74.00	-22.58	50.59	31.81	54.00	-22.19	Door
4637.865	Horizontal	1.25	-119	60.33	74.00	-13.67	59.65	40.87	54.00	-13.13	Pass
7420.616	Horizontal	1.55	78	49.78	74.00	-24.22	48.55	29.77	54.00	-24.23	

^{*-} EUT front panel refers to 0 degrees position of turntable.

where Calculated field strength = Measured field strength + average factor.

^{**-} Margin = Measured field strength - specification limit.

^{***-} Margin = Calculated field strength - specification limit,



Date of Issue: 15-Apr-25

Test specification:	Section 15.247(c), RSS-247	section 5.5, Radiated spur	ious emissions
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict.	PASS
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Table 7.6.4 Average factor calculation

Transmis	sion pulse	Transmis	sion burst	Transmission train	Average factor,
Duration, ms	Period, ms	Duration, ms	Period, ms	duration, ms	dB
11.50	175	N/A	N/A	N/A	-18.78

*- Average factor was calculated as follows

for pulse train shorter than 100 ms: $Average \ factor = 20 \times \log_{10} \left(\frac{Pulse \ duration}{Pulse \ period} \times \frac{Burst \ duration}{Train \ duration} \times Number \ of \ bursts \ within \ pulse \ train \right)$

for pulse train longer than 100 ms: $\frac{Pulse\ duration}{Pulse\ period} \times \frac{Burst\ duration}{100\ ms} \times Number\ of\ bursts\ within\ 100\ ms)$

Table 7.6.5 Field strength of spurious emissions below 1 GHz within restricted bands

ASSIGNED FREQUENCY: 902 - 928 MHz
INVESTIGATED FREQUENCY RANGE: 0.009 - 1000 MHz

INVESTIGATED FREQUENCY RANGE: 0.009 – 1000 N
TEST DISTANCE: 3 m
MODULATION: GFSK
MODULATING SIGNAL: PRBS
BIT RATE: 19.2 kbps

MODULATING SIGNAL:

BIT RATE:

DUTY CYCLE:

TRANSMITTER OUTPUT POWER SETTINGS:

PRBS

19.2 kbps

100 %

Maximum

TRANSMITTER OUTPUT POWER: 17.41 dBm at low carrier frequency 19.35 dBm at mid carrier frequency

19.35 dBm at mid carrier frequency14.65 dBm at high carrier frequency

RESOLUTION BANDWIDTH: 0.2 kHz (9 kHz – 150 kHz)

9.0 kHz (150 kHz – 30 MHz) 120 kHz (30 MHz – 1000 MHz)

VIDEO BANDWIDTH: > Resolution bandwidth
TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)
Biconilog (30 MHz – 1000 MHz)

FREQUENCY HOPPING: Disabled

Peak Peak		Qua	Antonno	Antonno	Turn-table			
Frequency, MHz	emission,	Measured emission,	Limit,	Margin, dB*	Antenna polarization	Antenna height, m	position**,	Verdict
WIIIZ	dB(μV/m)	dB(μV/m)	dB(μV/m)	margini, az	p	g,	degrees	
Low ,Mid, High carrier frequency								
		N	No signals wer	e found				Pass

^{*-} Margin = Measured emission - specification limit.

^{**-} EUT front panel refer to 0 degrees position of turntable.



Test specification:	Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions					
Test procedure:	ANSI C63.10, sections 6.5, 6.6					
Test mode:	Compliance	Verdict:	PASS			
Date(s):	23-Dec-24	verdict.	PASS			
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC			
Remarks:						

Table 7.6.6 Restricted bands according to FCC section 15.205

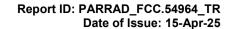
MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.37625 - 8.38675	73 - 74.6	399.9 - 410	2690 - 2900	10.6 - 12.7
0.495 - 0.505	8.41425 - 8.41475	74.8 - 75.2	608 - 614	3260 - 3267	13.25 - 13.4
2.1735 - 2.1905	12.29 - 12.293	108 - 121.94	960 - 1240	3332 - 3339	14.47 - 14.5
4.125 - 4.128	12.51975 - 12.52025	123 - 138	1300 - 1427	3345.8 - 3358	15.35 - 16.2
4.17725 - 4.17775	12.57675 - 12.57725	149.9 - 150.05	1435 - 1626.5	3600 - 4400	17.7 - 21.4
4.20725 - 4.20775	13.36 - 13.41	156.52475 - 156.52525	1645.5 - 1646.5	4500 - 5150	22.01 - 23.12
6.215 - 6.218	16.42 - 16.423	156.7 - 156.9	1660 - 1710	5350 - 5460	23.6 - 24
6.26775 - 6.26825	16.69475 - 16.69525	162.0125 - 167.17	1718.8 - 1722.2	7250 - 7750	31.2 - 31.8
6.31175 - 6.31225	16.80425 - 16.80475	167.72 - 173.2	2200 - 2300	8025 - 8500	36.43 - 36.5
8.291 - 8.294	25.5 - 25.67	240 - 285	2310 - 2390	9000 - 9200	Above 38.6
8.362 - 8.366	37.5 - 38.25	322 - 335.4	2483.5 - 2500	9300 - 9500	Above 36.0

Table 7.6.7 Restricted bands according to RSS-Gen

MHz	MHz	MHz	MHz	MHz	GHz
0.09 - 0.11	8.291 - 8.294	16.80425 - 16.80475	399.9 - 410	3260 - 3267	10.6 - 12.7
2.1735 - 2.1905	8.362 - 8.366	25.5 - 25.67	608 - 614	3332 - 3339	13.25 - 13.4
3.020 - 3.026	8.37625 - 8.38675	37.5 - 38.25	960 – 1427	3345.8 - 3358	14.47 – 14.5
4.125 – 4.128	8.41425 - 8.41475	73 - 74.6	1435 – 1626.5	3500 - 4400	15.35 – 16.2
4.17725 – 4.17775	12.29 – 12.293	74.8 - 75.2	1645.5 - 1646.5	4500 - 5150	17.7 – 21.4
4.20725 - 4.20775	12.51975 – 12.52025	108 – 138	1660 - 1710	5350 - 5460	22.01 - 23.12
5.677 - 5.683	12.57675 – 12.57725	156.52475 - 156.52525	1718.8 - 1722.2	7250 - 7750	23.6 - 24
6.215 - 6.218	13.36 – 13.41	156.7 - 156.9	2200 - 2300	8025 - 8500	31.2 - 31.8
6.26775 - 6.26825	16.42 - 16.423	240 - 285	2310 - 2390	9000 - 9200	36.43 - 36.5
6.31175 - 6.31225	16.69475 - 16.69525	322 - 335.4	2655 - 2900	9300 - 9500	Above 38.6

Reference numbers of test equipment used

Full description is given in Appendix A.

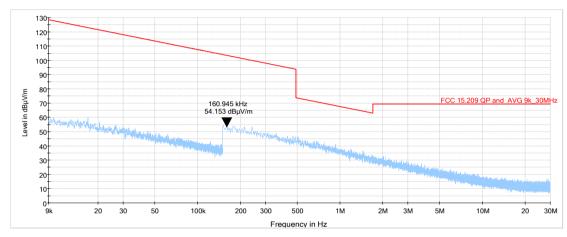




Test specification:	eification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions		
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict.	
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.1 Radiated emission measurements from 9 kHz to 30 MHz at the low carrier frequency

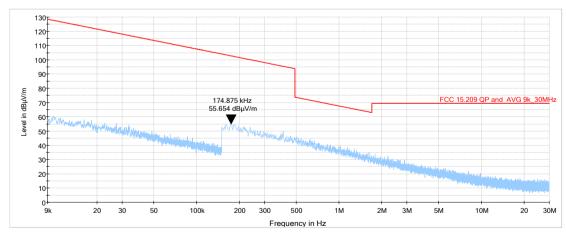
TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical



Plot 7.6.2 Radiated emission measurements from 9 kHz to 30 MHz at the mid carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m
ANTENNA POLARIZATION: Vertical



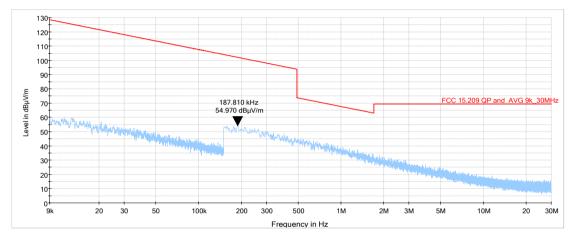


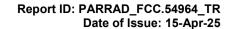
Test specification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions			
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict:	
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.3 Radiated emission measurements from 9 kHz to 30 MHz at the high carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m ANTENNA POLARIZATION: Vertical





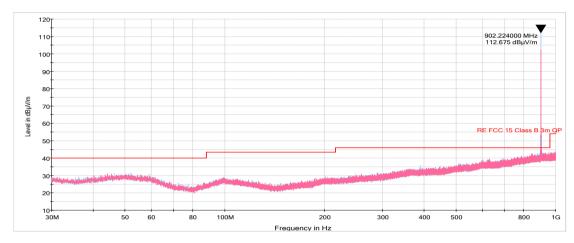


Test specification:	Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions		
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24		PASS
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.4 Radiated emission measurements from 30 to 1000 MHz at the low carrier frequency

TEST DISTANCE: 3 m

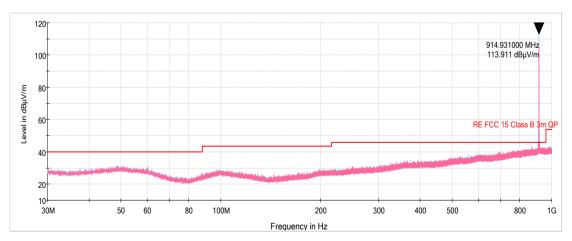
ANTENNA POLARIZATION: Vertical and Horizontal

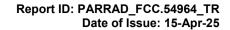


Plot 7.6.5 Radiated emission measurements from 30 to 1000 MHz at the mid carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m



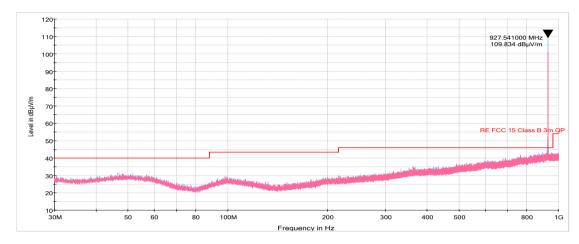


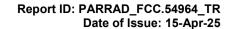


Test specification:	eification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions		
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict.	
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.6 Radiated emission measurements from 30 to 1000 MHz at the high carrier frequency

TEST DISTANCE: 3 m





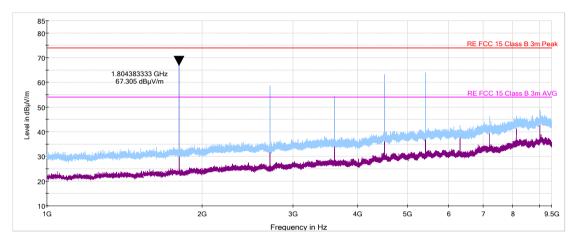


Test specification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions			
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict:	
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.7 Radiated emission measurements from 1000 to 9500 MHz at the low carrier frequency

TEST DISTANCE: 3 m

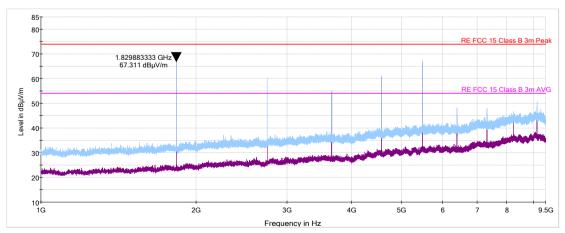
ANTENNA POLARIZATION: Vertical and Horizontal



Plot 7.6.8 Radiated emission measurements from 1000 to 9500 MHz at the mid carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m



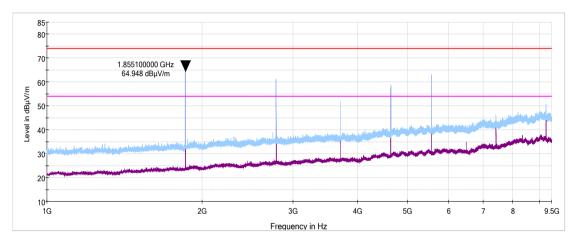


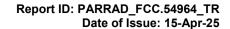
Test specification:	Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions		
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict:	PASS
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:	-		

Plot 7.6.9 Radiated emission measurements from 1000 to 9500 MHz at the high carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m



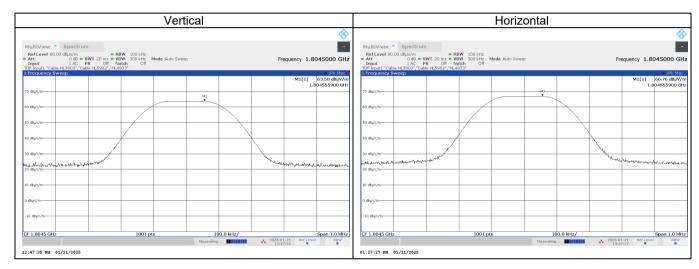




Test specification:	Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions		
Test procedure:	ANSI C63.10, sections 6.5, 6.6		
Test mode:	Compliance	Verdict:	PASS
Date(s):	23-Dec-24	verdict.	
Temperature: 23 °C	Relative Humidity: 45 %	Air Pressure: 1013 hPa	Power: 4.5 VDC
Remarks:			

Plot 7.6.10 Radiated emission measurements at the second harmonic of low carrier frequency

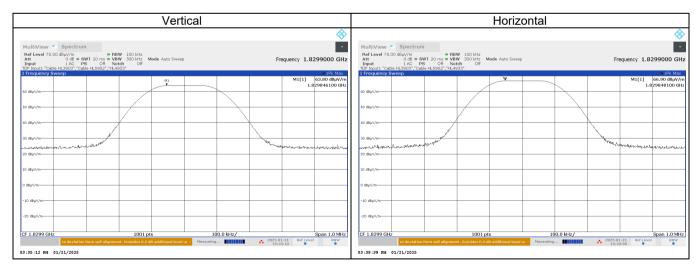
TEST DISTANCE: 3 m



Plot 7.6.11 Radiated emission measurements at the second harmonic of mid carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m





Test specification: Section 15.247(c), RSS-247 section 5.5, Radiated spurious emissions

Test procedure: ANSI C63.10, sections 6.5, 6.6

Test mode: Compliance Verdict: PASS

Date(s): 23-Dec-24

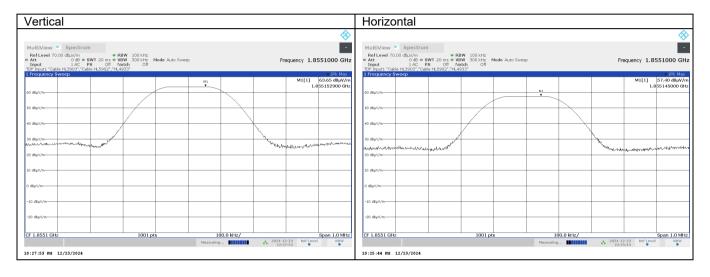
Temperature: 23 °C Relative Humidity: 45 % Air Pressure: 1013 hPa Power: 4.5 VDC

Remarks:

Plot 7.6.12 Radiated emission measurements at the second harmonic of high carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m



Plot 7.6.13 Radiated emission measurements at the third harmonic of low carrier frequency

TEST SITE: Semi anechoic chamber

TEST DISTANCE: 3 m

