Report on the Radio Testing

For

Inova Design Solutions Ltd (Bodytrak)

on

Bodytrak I

Report no. TRA-054222-47-08AB

01 February 2022

RF916 12.0

Report Number: TRA-054222-47-08AB
Issue: B

REPORT ON THE RADIO TESTING OF A
Inova Design Solutions Ltd (Bodytrak)
Bodytrak I
WITH RESPECT TO SPECIFICATION
FCC 47CFR 15.247 ISED RSS-247
TO SATISFY MODULAR INTEGRATION REQUIREMENTS OF
KDB 996369 D04 v01 / RSP-100

TEST DATE: 04/01/2022 to 06/01/2022

Tested by: **Michael Else**

Written by: Michael Else
Radio Test Engineer

Approved by: John Charters
Laboratory Manager

Date: 01 February 2022

1 Revision Record

Issue Number	*Issue Date*	*Revision History*
A	01 February 2022	Original
B	06 June 6 2022	Test set-up Photo deleted- due to short term confidentiality requirement, Model number updated and modulation type amended.

2 Summary

TEST REPORT NUMBER:	TRA-054222-47-08AB
WORKS ORDER NUMBER:	TRA-054222-01
PURPOSE OF TEST:	Modular Integration
TEST SPECIFICATION:	47CFR15.247 RSS-247
EQUIPMENT UNDER TEST (EUT):	Bodytrak I
CONTAINS FCC IDENTIFIER:	T7V1326C2
CONTAINS ISED IDENTIFIER:	216Q-1326C2
EUT SERIAL NUMBER:	BTCP1-B0020
MANUFACTURER/AGENT:	Inova Design Solutions Ltd (Bodytrak) ADDRESS: Innovation Warehouse 1st Floor 1 East Poultry Avenue London EC2A 4NE United Kingdom
CLIENT CONTACT:	Dmitry Iakovlev ☎ +44 (0)203 432 5439 ✉ dmitry.iakovlev@bodytrak.co
TEST DATE:	04/01/2022 to 06/01/2022
TESTED BY:	**Michael Else** Element

2.1 Test Summary

Test Method and Description	*Requirement Clause 47CFR15*	*Requirement Clause RSS*	*Applicable to this equipment*	*Result / Note*
Radiated spurious emissions (restricted bands of operation and cabinet radiation)	15.247(d)	247, 3.3	☒	*Pass*
AC power line conducted emissions	15.207	Gen, 8.8	☐	*Note 1*
Carrier frequency separation	15.247 (a) (1)	247, 5.1 (b)	☐	*Note 1*
Number of hopping channels	15.247 (a) (1) (i), (ii) and (iii)	247, 5.1 (c), (d) and (e)	☐	*Note 1*
Average time of occupancy	15.247 (a) (1) (i), (ii) and (iii)	247, 5.1 (c), (d) and (e)	☐	*Note 1*
Maximum peak conducted output power	15.247 (a) (1), (b)(1) and (b)(2)	247, 5.4 (a), (b) and (c)	☐	*Information only*
20 dB emission bandwidth	15.247 (a) (1) (i) and (ii)	247, 5.1 (a)	☐	*Note 1*
Out-of-band emissions	15.247(d)	247, 5.5	☐	*Note 1*
Calculation of duty correction	-	15.35 (c)	☐	-

Specific Note:

Note1: Limited testing was performed to check Carrier power & transmitter radiated spurious emissions only, as requested by the client, to satisfy modular integration requirements of KDB996369 D04 v01 / RSP-100.

The results contained in this report relate only to the items tested, in the condition at time of test, and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

The apparatus was set up and exercised using the configurations, modes of operation and arrangements defined in this report only. Any modifications made are identified in Section 8 of this report.

Particular operating modes, apparatus monitoring methods and performance criteria required by the standards tested to have been performed except where identified in Section 5.2 of this test report (Deviations from Test Standards).

3 Contents

4 Introduction

This report TRA-054222-47-08AB presents the results of the Radio testing on a Inova Design Solutions Ltd (Bodytrak), Bodytrak I to specification 47CFR15 Radio Frequency Devices. RSS-247 - Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices.

The testing was carried out for Inova Design Solutions Ltd (Bodytrak) by Element, at the address detailed below.

☐ Element Hull
Unit E
South Orbital Trading Park
Hedon Road
Hull
HU9 1NJ
UK

☒ Element Skelmersdale
Unit 1
Pendle Place
Skemersdale
West Lancashire
WN8 9PN
UK

This report details the configuration of the equipment, the test methods used and any relevant modifications where appropriate.

All test and measurement equipment under the control of the laboratory and requiring calibration is subject to an established programme and procedures to control and maintain measurement standards. The quality management system meets the principles of ISO 9001, and has quality control procedures for monitoring the validity of tests undertaken. Records and sufficient detail are retained to establish an audit trail of calibration records relating to its test results for a defined period. Under control of the established calibration programme, key quantities or values of the test & measurement instrumentation are within specification and comply with the relevant traceable internationally recognised and appropriate standard specifications, which are UKAS calibrated as such where these properties have a significant effect on results. Participation in inter-laboratory comparisons and proficiency testing ensures satisfactory correlation of results conform to Elements own procedures, as well as statistical techniques for analysis of test data providing the appropriate confidence in measurements.

Throughout this report EUT denotes equipment under test.

FCC Site Listing:
The test laboratory is accredited for the above sites under the following US-UK MRA, Designation numbers.

Element Hull	UK2007
Element Skelmersdale	UK2020

ISED Registration Numbers:

Element Hull	3483A
Element North West	3930B

The test site requirements of ANSI C63.4-2014 are met up to 1GHz.

The test site SVSWR requirements of CISPR 16-1-4:2010 are met over the frequency range 1 GHz to 18 GHz.

5 Test Specifications

5.1 Normative References

- FCC 47 CFR Ch. I – Part 15 – Radio Frequency Devices.
- ISED RSS-247, Issue 2, February 2017 – Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices.
- ISED RSS-Gen, Issue 5, March 2019 – General Requirements for Compliance of Radio Apparatus.
- ANSI C63.10-2013 – American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
- ANSI C63.4-2014 – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
- KDB 996369 D04 Module Integration Guide V01 - Modular Transmitter Integration Guide - Guidance for Host Product Manufacturers.
- RSP-100, Issue 12, August 2019, Certification of Radio Apparatus and Broadcasting Equipment.

5.2 Deviations from Test Standards

Limited testing was performed to check transmitter radiated spurious emissions and confirm carrier power only, as requested by the client, to satisfy modular integration requirements of KDB996369 D04 v01 / RSP-100.

6 Glossary of Terms

§	denotes a section reference from the standard, not this document
AC	Alternating Current
ANSI	American National Standards Institute
BW	bandwidth
C	Celsius
CFR	Code of Federal Regulations
CW	Continuous Wave
dB	decibel
dBm	dB relative to 1 milliwatt
DC	Direct Current
DSSS	Direct Sequence Spread Spectrum
EIRP	Equivalent Isotropically Radiated Power
ERP	Effective Radiated Power
EUT	Equipment Under Test
FCC	Federal Communications Commission
FHSS	Frequency Hopping Spread Spectrum
Hz	hertz
IC	Industry Canada
ITU	International Telecommunication Union
LBT	Listen Before Talk
m	metre
max	maximum
MIMO	Multiple Input and Multiple Output
min	minimum
MRA	Mutual Recognition Agreement
N/A	Not Applicable
PCB	Printed Circuit Board
PDF	Portable Document Format
Pt-mpt	Point-to-multipoint
Pt-pt	Point-to-point
RF	Radio Frequency
RH	Relative Humidity
RMS	Root Mean Square
Rx	receiver
s	second
SVSWR	Site Voltage Standing Wave Ratio
Tx	transmitter
UKAS	United Kingdom Accreditation Service
V	volt
W	watt
Ω	ohm

7 Equipment under Test

7.1 EUT Identification

- Name: Bodytrak I
- Serial Number: BTCP1-B0020
- Model Number: BCP1N
- Software Revision: 4602
- Build Level / Revision Number: Not Applicable

7.2 System Equipment

Equipment listed below forms part of the overall test setup and is required for equipment functionality and/or monitoring during testing. The compliance levels achieved in this report relate only to the EUT and not items given in the following list.

Not Applicable – No support/monitoring equipment required.

7.3 EUT Mode of Operation

The mode of operation for transmit tests was as follows:-
The EUT was set to transmit permanently on top, middle or bottom channels as required.
The configuration is done via button presses on the EUT.

7.4 EUT Radio Parameters

7.4.1 General

Frequency of operation:	2400 MHz to 2484 MHz
Modulation type(s):	GFSK
Data Rate:	1 Mbps
Occupied channel bandwidth(s):	1 MHz
Channel spacing:	1 MHz
Output power setting for test:	-3 dBm
Nominal Supply Voltage:	3.7 Vdc From Li-Po Rechargeable battery

7.4.2 Antennas

Type:	Component Multilayer Antenna
Make/Model	TDK ANT016008LCS2442MA1
Frequency range:	2400 MHz to 2484 MHz
Gain:	1.6 dBi
Connector type:	Integral
Type:	Component Multilayer Antenna

7.4.3 Product specific declarations

Multiple antenna configuration(s), e.g. MIMO:	Single

7.5 EUT Description

The EUT is a personal wearable device is comprised of a miniature earpiece with integrated sensors connected to a torso-worn communication pack.

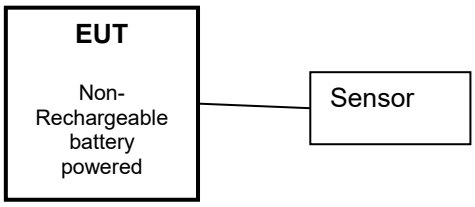
8 Modifications

No modifications were performed during this assessment.

9 EUT Test Setup

9.1 Block Diagram

The following diagram shows basic EUT Test Setup:



9.2 General Set-up Photograph

The following photograph shows basic EUT set-up:

No Test se-up picture required

9.3 Measurement software

Where applicable, the following software was used to perform measurements contained within this report.

Element Emissions R5
Element Transmitter Bench Test
ETS Lindgren EMPower V1.0.4.2

10 General Technical Parameters

10.1 Normal Conditions

The E U T was tested under the normal environmental conditions of the test laboratory, except where otherwise stated. The normal power source applied was 3.7 Vdc from Li-Po Rechargeable batteries.

10.2 Varying Test Conditions

There are no specific frequency stability requirements for the type of device. The results contained in this report demonstrate that the occupied bandwidth is contained within the authorised band.

Variation of supply voltage is required to ensure stability of the declared output power. During carrier power testing the following variations were made:

	Category	***Nominal***	***Variation***
☐	Mains	110 Vac +/-2 %	85 % and 115 %
☒	Battery	New battery	Fully charged

11 Radiated emissions

11.1 Definitions

Spurious emissions
Emissions on a frequency or frequencies, which are outside the necessary bandwidth and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic emissions, parasitic emissions, intermodulation products and frequency conversion products, but exclude out-of-band emissions.

Restricted bands
A frequency band in which intentional radiators are permitted to radiate only spurious emissions but not fundamental signals.

11.2 Test Parameters

Test Location:	Element Skelmersdale
Test Chamber:	Chamber 01
Test Standard and Clause:	ANSI C63.10-2013, Clause 6.5 and 6.6
EUT Frequencies Measured:	2402 MHz, 2440 MHz & 2480 MHz
Deviations from Standard:	None
Measurement BW:	30 MHz to 1 GHz: 120 kHz; Above 1 GHz: 1 MHz
Measurement Detector:	Up to 1 GHz: quasi-peak; Above 1 GHz: RMS average and Peak

Environmental Conditions (Normal Environment)

Temperature: 13.2 °C	+15 ºC to +35 ºC (as declared)
Humidity: 51 % RH	20 % RH to 75 % RH (as declared)
Supply: 3.7 V/dc	As declared

11.3 Test Limit

Unwanted emissions that fall within the restricted frequency bands shall comply with the limits specified:

General Field Strength Limits for License-Exempt Transmitters at Frequencies above 30 MHz

Frequency (MHz)	*Field Strength (µV/m at 3 m)*	*Field Strength (dBµV/m at 3 m)*
30 to 88	100	40.0
88 to 216	150	43.5
216 to 960	200	46.0
Above 960	500	54.0

On frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function. On frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit.

11.4 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure i, the emissions from the EUT were measured on a spectrum analyzer / EMI receiver.

Radiated electromagnetic emissions from the EUT are checked first by preview scans. Preview scans for all spectrum and modulation characteristics are checked, using a peak detector and where applicable worst-case determined for function, operation, orientation, etc. for both vertical and horizontal polarisations. Pre-scan plots are shown with a peak detector and 100 kHz RBW.

If the EUT connects to auxiliary equipment and is table or floor standing, the configurations prescribed in ANSI C63.10 are followed. Alternatively, a layout closest to normal use (as declared by the provider) is employed, (see EUT setup photographs for more detail).

Emissions between 30 MHz and 1 GHz are measured using calibrated broadband antennas. Emissions above 1 GHz are characterized using standard gain horn antennas. Pre-amplifiers and filters are used where required. Care is taken to ensure that test receiver resolution bandwidth, video bandwidth and detector type(s) meet the regulatory requirements.

For both horizontal and vertical polarizations, the EUT is then rotated through 360 degrees in azimuth until the highest emission is detected. At the previously determined azimuth the test antenna is raised and lowered from 1 to 4 m in height until a maximum emission level is detected, this maximum value is recorded.

Power values measured on the test receiver / analyzer are converted to field strength, FS, in dBµV/m at the regulatory distance, using:

$$FS = PR + CL + AF - PA + DC - CF$$

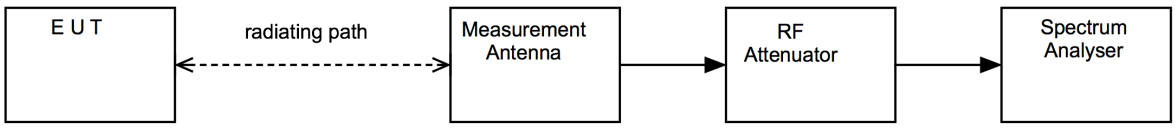
$$Factor = CL + AF - PA$$

Where,

PR is the power recorded on the receiver / spectrum analyzer in dBµV;
CL is the cable loss in dB;
AF is the test antenna factor in dB/m;
PA is the pre-amplifier gain in dB (where used);
DC is the duty correction factor in dB (where used, e.g. harmonics of pulsed fundamental);
CF is the distance factor in dB (where measurement distance different to limit distance);

This field strength value is then compared with the regulatory limit.

Figure i Test Setup

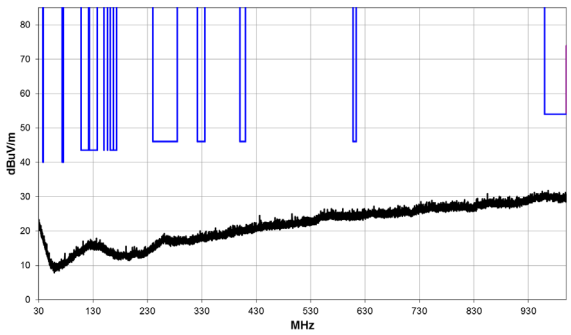


11.5 Test Equipment

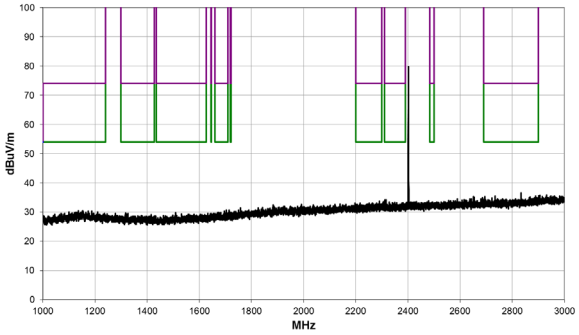
Equipment Type	Manufacturer	Equipment Description	Element No	Due For Calibration
ATS	Rainford EMC	Chamber 1	U387	2023-10-24
Emissions R5	Element	Radiated Test Software	REF9000	Cal not required
ESR26	R&S	EMI Receiver	U489	2022-03-04
FSU26	R&S	Spectrum Analyser	U405	2022-03-31
3115	EMCO	1-18GHz Horn	L139	2023-07-27
AFH-07000	Atlantic Microwave	High Pass Filter	U558	2022-01-30
SN 4478	BSC	2.4G Band Stop Filter	U543	2022-01-30
20240-20	Flann	Horn 18-26GHz (&U330)	L300	2022-04-23
CBL611/B	Chase	Bilog	U573	2023-01-28
LNA6901	AMETEK	Pre Amp	U711	2022-02-03
8449B	Agilent	Pre Amp	L572	2022-10-29
6201-69	Watkins Johnson	PreAmp	U372	2022-03-01

11.7 Test Results

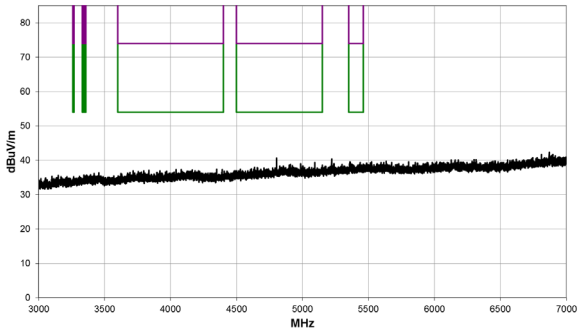
Bottom Channel: 2402 MHz; Modulation: GFSK;



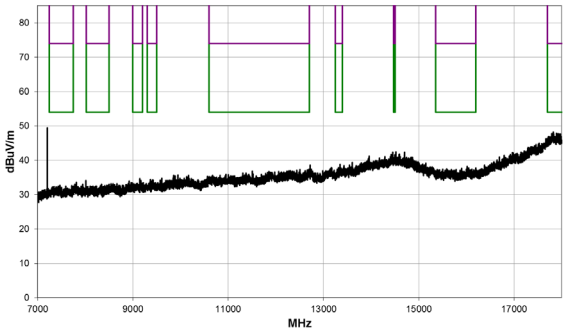
30 MHz to 1 GHz



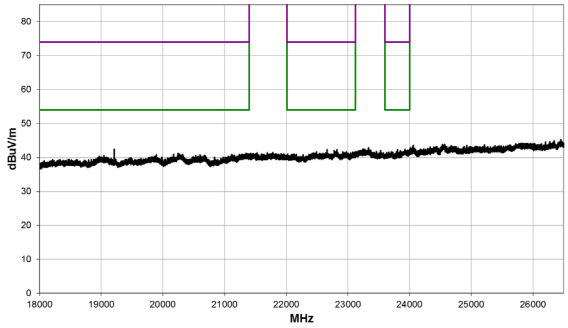
1 GHz to 3 GHz



3 GHz to 7 GHz



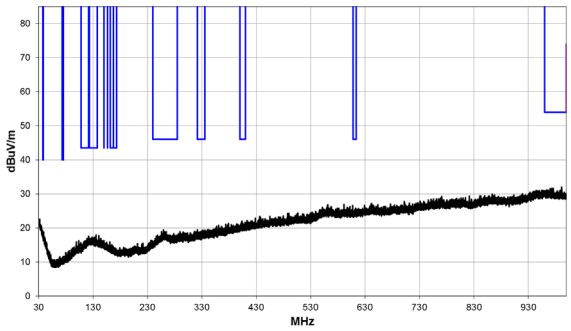
7 GHz to 18 GHz



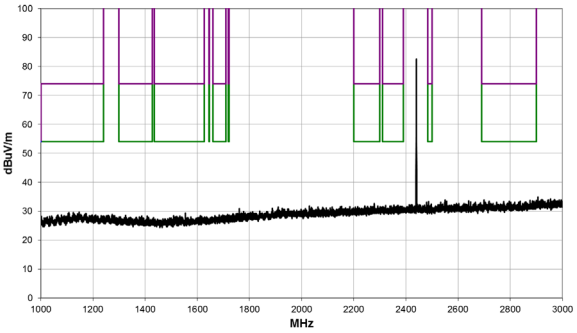
18 GHz to 26.5 GHz

Frequency: 2402 MHz; Power Setting: -3 dBm ;								
Detector	***Freq. (MHz)***	***Meas'd Emission (dBµV)***	***Factor (dB)***	***Duty Cycle Corr'n (dB)***	***Distance Extrap'n Factor (dB)***	***Field Strength (dBµV/m)***	***Limit (dBµV/m)***	***Margin (dB)***
No significant emissions within 20 dB of the limit.								

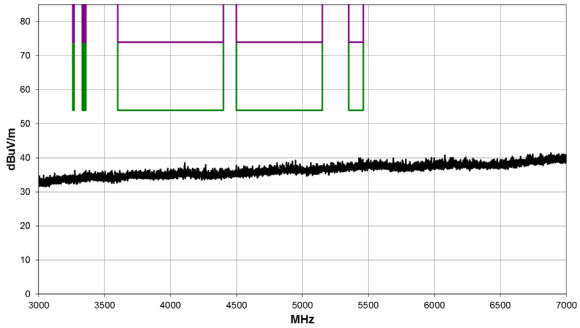
Middle Channel: 2440 MHz; Modulation: GFSK;



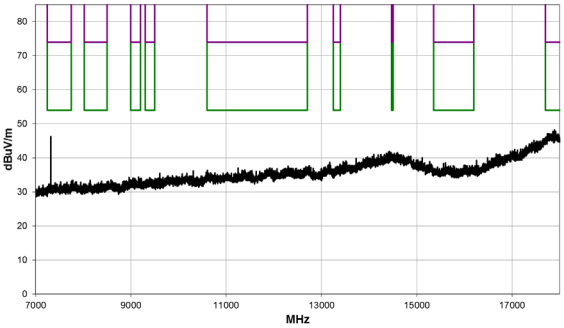
30 MHz to 1 GHz



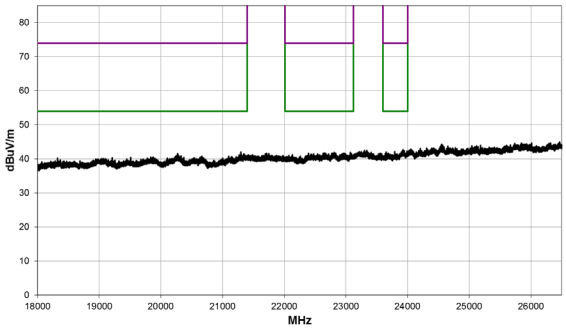
1 GHz to 3 GHz



3 GHz to 7 GHz



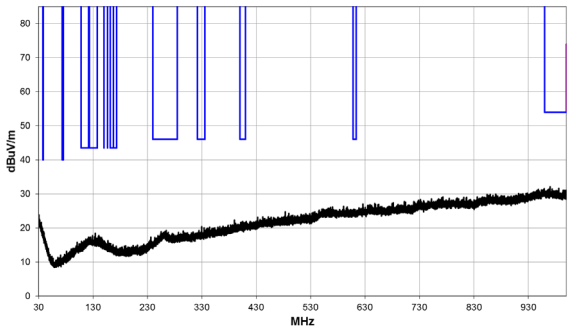
7 GHz to 18 GHz



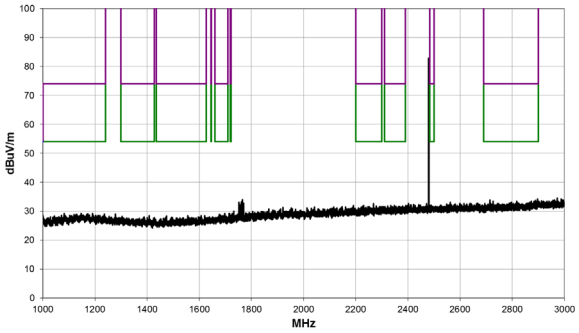
18 GHz to 26.5 GHz

Frequency: 2440 MHz; Power Setting: -3 dBm;								
Detector	***Freq. (MHz)***	***Meas'd Emission (dBµV)***	***Factor (dB)***	***Duty Cycle Corr'n (dB)***	***Distance Extrap'n Factor (dB)***	***Field Strength (dBµV/m)***	***Limit (dBµV/m)***	***Margin (dB)***
No significant emissions within 20 dB of the limit.								

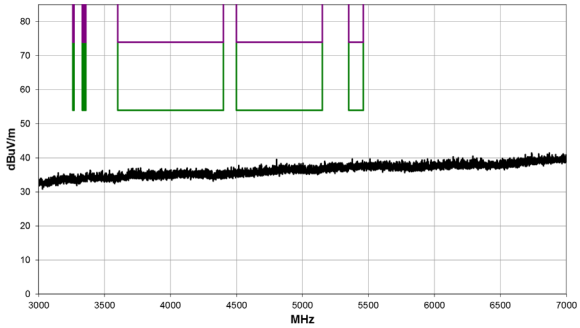
Top Channel: 2480 MHz; Modulation: GFSK;



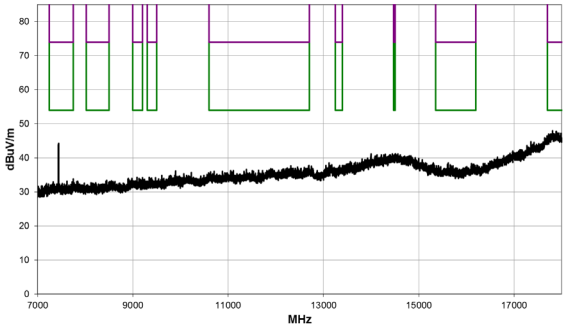
30 MHz to 1 GHz



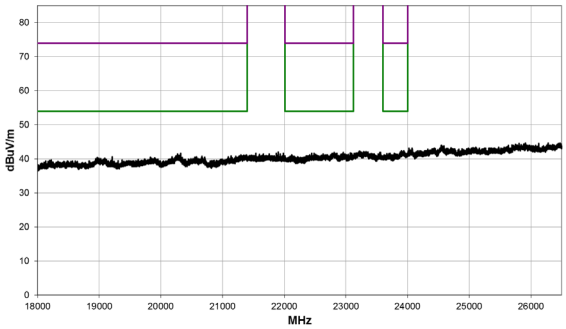
1 GHz to 3 GHz



3 GHz to 7 GHz



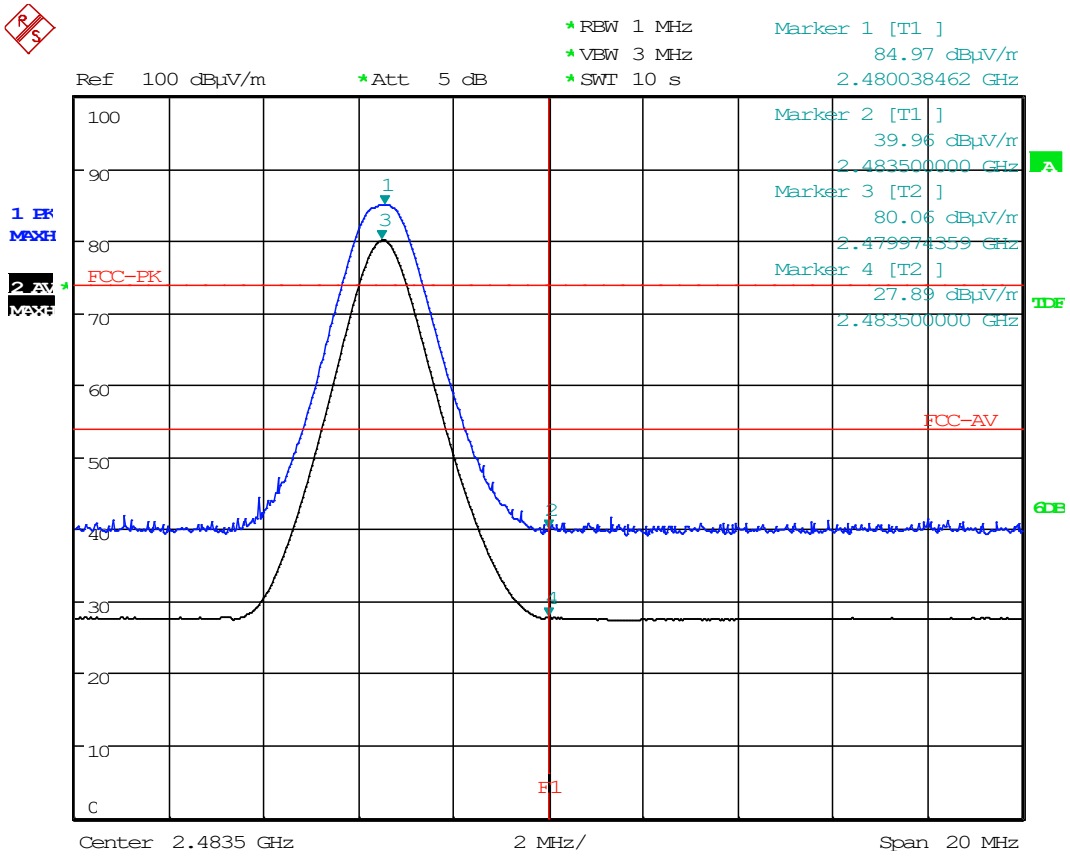
7 GHz to 18 GHz



18 GHz to 26.5 GHz

Frequency: 2480 MHz; Power Setting: -3 dBm;								
Detector	***Freq. (MHz)***	***Meas'd Emission (dBµV)***	***Factor (dB)***	***Duty Cycle Corr'n (dB)***	***Distance Extrap'n Factor (dB)***	***Field Strength (dBµV/m)***	***Limit (dBµV/m)***	***Margin (dB)***
No significant emissions within 20 dB of the limit.								

Upper Radiated Band Edge



Date: 5.JAN.2022 11:48:57

Peak measurement meets average limit.

12 Maximum peak conducted output power

12.1 Definition

The maximum peak conducted output power is defined as the maximum power level measured with a peak detector using a filter with width and shape of which is sufficient to accept the signal bandwidth.

12.2 Test Parameters

Test Location:	Element Skelmersdale
Test Chamber:	Chamber 01
Test Standard and Clause:	ANSI C63.10-2013, Clause 7.8.5
EUT Channels / Frequencies Measured:	2402 MHz, 2440 MHz & 2480 MHz – hopping disabled.
Deviations From Standard:	None
Measurement BW:	10 MHz
Spectrum Analyzer Video BW:	30 MHz
Measurement Detector:	Peak
Voltage Extreme Environment Test Range:	Battery Power = Fully Charged battery.

Environmental Conditions (Normal Environment)

Temperature: 13.4 °C	+15 ºC to +35 ºC (as declared)
Humidity: 41 % RH	20 % RH to 75 % RH (as declared)

12.3 Test Limit

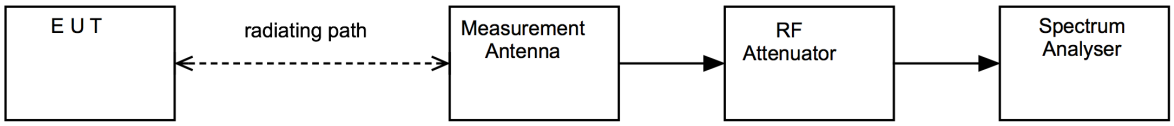
- For frequency hopping systems operating in the band 902 to 928 MHz, the maximum peak conducted output power shall not exceed 1 W, and the e.i.r.p. shall not exceed 4 W, if the hopset uses 50 or more hopping channels;
  the maximum peak conducted output power shall not exceed 0.25 W, and the e.i.r.p. shall not exceed 1 W, if the hopset uses less than 50 hopping channels.
- For frequency hopping systems operating in the band 2400 to 2483.5 MHz and employing at least75 hopping channels, the maximum peak conducted output power shall no t exceed 1 W;
  for all other frequency hopping systems in the band, the maximum peak conducted output power shall not exceed 0.125 W. The e.i.r.p. shall not exceed 4 W.
- For frequency hopping systems operating in the band 5725 to 5850 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W.
- Point-to-point systems in the bands 2400-2483.5 MHz and 5725 to 5850 MHz are permitted to have an e.i.r.p. higher than 4 W provided that the higher e.i.r.p. is achieved by employing higher gain directional antennas and not higher transmitter output powers.

12.4 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure vi, the resolution bandwidth of the spectrum analyser was increased above the EUT occupied bandwidth and the peak emission data noted.

The measurements were performed with EUT set at its maximum duty. All modulation schemes, data rates and power settings were used to observe the worst-case configuration in each bandwidth.

Figure vi Test Setup



12.5 Test Equipment

Equipment Type	Manufacturer	Equipment Description	Element No	Due For Calibration
ATS	Rainford EMC	Chamber 1	U387	2023-10-24
Emissions R5	Element	Radiated Test Software	REF9000	Cal not required
ESR26	R&S	EMI Receiver	U489	2022-03-04
3115	EMCO	1-18GHz Horn	L139	2023-07-27
8449B	Agilent	Pre Amp	L572	2022-10-29

12.6 Test Results

The following formula may be used to convert field strength (FS) in volts/metre to transmitter output power (TP) in watts:

$$TP = (FS \times D)^2 / (30 \times G)$$

where D is the distance in metres between the two antennas and G is the antenna numerical gain referenced to isotropic gain.

Power setting: -3dBm; Modulation: GFSK;							
Frequency (MHz)	***Peak Field Strength (dBµV/m)***	***Peak Field Strength (V/m)***	***Distance (m)***	***EIRP (W)***	***Numerical Gain***	***Maximum peak conducted output power (W)***	***Result***
2402	81.60	0.01	3.00	0.0000433632	1.45	0.0000300000	PASS
2440	83.60	0.02	3.00	0.0000687260	1.45	0.0000475468	PASS
2480	84.30	0.02	3.00	0.0000807460	1.45	0.0000558626	PASS

13 Measurement Uncertainty

Radio Testing – General Uncertainty Schedule

All statements of uncertainty are expanded standard uncertainty using a coverage factor of 1.96 to give a 95 % confidence where no required test level exists.

Test/Measurement	Budget Number	MU
Conducted RF Power, Power Spectral Density, Adjacent Channel Power and Spurious emissions		
Absolute RF power (via antenna connecter) Dare RPR3006W Power Head	MU4001	**0.9 dB**
Carrier Power and PSD - Spectrum Analysers	MU4004	**0.9 dB**
Adjacent Channel Power	MU4002	**1.9 dB**
Transmitter conducted spurious emissions	MU4041	**0.9 dB**
Conducted power and spurious emissions 40 GHz to 50 GHz	MU4042	**2.4 dB**
Conducted power and spurious emissions 50 GHz to 75 GHz	MU4043	**2.5 dB**
Conducted power and spurious emissions 75 GHz to 110 GHz	MU4044	**2.4 dB**
Radiated RF Power and Spurious emissions ERP and EIRP		
Effective Radiated Power Reverb Chamber	MU4020	**3.7 dB**
Effective Radiated Power	MU4021	**4.7 dB**
TRP Emissions 30 MHz to 1 GHz using CBL6111 or CBL6112 Bilog Antenna	MU4046	**5.3 dB**
TRP Emissions 1 GHz to 18 GHz using HL050 Log Periodic Antenna	MU4047	**5.1 dB**
TRP Emissions 18 GHz to 26.5 GHz using Standard Gain Horn	MU4048	**2.7 dB**
TRP Emissions 26.5 GHz to 40 GHz using Standard Gain Horn	MU4049	**2.7 dB**
Spurious Emissions Electric and Magnetic Field		
Radiated Spurious Emissions 30 MHz to 1 GHz	MU4037	**4.7 dB**
Radiated Spurious Emissions 1-18 GHz	MU4032	**4.5 dB**
E Field Emissions 18GHz to 26 GHz	MU4024	**3.2 dB**
E Field Emissions 26GHz to 40 GHz	MU4025	**3.3 dB**
E Field Emissions 40GHz to 50 GHz	MU4026	**3.5 dB**
E Field Emissions 50GHz to 75 GHz	MU4027	**3.6 dB**
E Field Emissions 75GHz to 110 GHz	MU4028	**3.6 dB**
Radiated Magnetic Field Emissions	MU4031	**2.3 dB**
Frequency Measurements		
Frequency Deviation	MU4022	**0.316 kHz**
Frequency error using CMTA test set	MU4023	**113.441 Hz**
Frequency error using GPS locked frequency source	MU4045	**0.0413 ppm**
Bandwidth/Spectral Mask Measurements		
Channel Bandwidth	MU4005	**3.87 %**
Transmitter Mask Amplitude	MU4039	**1.3 dB**
Transmitter Mask Frequency	MU4040	**2.59 %**
Time Domain Measurements		
Transmission Time	MU4038	**4.40 %**
Dynamic Frequency Selection (DFS) Parameters)		
DFS Analyser - Measurement Time	MU4006	**679 µs**
DFS Generator - Frequency Error	MU4007	**92 Hz**
DFS Threshold Conducted	MU4008	**1.3 dB**
DFS Threshold Radiated	MU4009	**3.2 dB**

Test/Measurement	Budget Number	MU
Receiver Parameters		
EN300328 Receiver Blocking	MU4010	**1.1 dB**
EN301893 Receiver Blocking	MU4011	**1.1 dB**
EN303340 Adjacent Channel Selectivity	MU4012	**1.1 dB**
EN303340 Overloading	MU4013	**1.1 dB**
EN303340 Receiver Blocking	MU4014	**1.1 dB**
EN303340 Receiver Sensitivity	MU4015	**0.9 dB**
EN303372-1 Image Rejection	MU4016	**1.4 dB**
EN303372-1 Receiver Blocking	MU4017	**1.1 dB**
EN303372-2 Adjacent Channel Selectivity	MU4018	**1.1 dB**
EN303372-2 Dynamic Range	MU4019	**0.9 dB**
Receiver Blocking Talk Mode Conducted	MU4033	**1.2 dB**
Receiver Blocking Talk Mode- radiated	MU4034	**3.4 dB**
Rx Blocking, listen mode, blocking level	MU4035	**3.2 dB**
Rx Blocking, listen mode, radiated Threshold Measurement	MU4036	**3.4 dB**
Adjacent Sub Band Selectivity	MU4003	**4.2 dB**