

Company: Radwin Ltd.

Test of: AP0168031

To: FCC CFR 47 Part 15 Subpart E 15.407, ISED RSS-247

Report No.: RDWN53-U2 Rev A

RADIATED TEST REPORT



RADIATED TEST REPORT

FROM



Test of: Radwin Ltd. AP0168031

To: FCC CFR 47 Part 15 Subpart E 15.407, ISED RSS-247

Test Report Serial No.: RDWN53-U2 Rev A

This report supersedes: NONE

Applicant: Radwin Ltd.
27 Habarzel Street
Tel Aviv 69710
Israel

Product Function: 5 GHz 802.11ac 3x3 RF Module

Issue Date: 1st March 2018

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
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MiCOM Labs is an ISO 17025 Accredited Testing Laboratory



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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2005. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-01.pdf>



Accredited Laboratory

A2LA has accredited

MICOM LABS

Pleasanton, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 4th day of February 2016.



President and CEO
For the Accreditation Council
Certificate Number 2381.01
Valid to March 31, 2018
Revised February 28, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.



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1.2. RECOGNITION

MiCOM Labs, Inc has widely recognized wireless testing capabilities. Our international recognition includes Conformity Assessment Body designation by APEC MRA countries. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Listing #: 102167
Canada	Industry Canada (IC)	FCB	APEC MRA 2	US0159 Listing #: 4143A-2 4143A-3
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	APEC MRA 2	RCB 210
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA	NB 2280
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)	CAB	APEC MRA 1	
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)	CAB	APEC MRA 1	
Singapore	Infocomm Development Authority (IDA)	CAB	APEC MRA 1	
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)	CAB	APEC MRA 1	
Vietnam	Ministry of Communication (MIC)	CAB	APEC MRA 1	

EU MRA – European Union Mutual Recognition Agreement.

NB – Notified Body

APEC MRA – Asia Pacific Economic Community Mutual Recognition Agreement. Recognition agreement under which test lab is accredited to regulatory standards of the APEC member countries.

Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

1.3. PRODUCT CERTIFICATION

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



United States of America – Telecommunication Certification Body (TCB)
Industry Canada – Certification Body, CAB Identifier – US0159
Europe – Notified Body (NB), NB Identifier - 2280
Japan – Recognized Certification Body (RCB), RCB Identifier - 210

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2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	17 th January 2018	This report was created to add several additional antennas to the original program
Draft #2	27 th February 2018	
Draft #3	28 th February 2018	
Rev A	1 st March 2018	Initial Release
This report was originally issued as RDWN49-U5_Master		
Rev A	17 th November 2017	

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3. TEST RESULT CERTIFICATE

Manufacturer: Radwin Ltd. 27 Habarzel Street Tel Aviv 69710 Israel	Tested By: MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model: AP0168031	Telephone: +1 925 462 0304 Fax: +1 925 462 0306
Type Of Equipment: 5 GHz 802.11ac 3x3 RF Module	
S/N's: Prototype	
Test Date(s): 8th – 12th January 2018	Website: www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 ISED RSS-247	EQUIPMENT COMPLIES

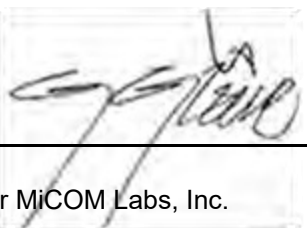
MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Notes:


1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.



Approved & Released for MiCOM Labs, Inc. by:



 Graeme Grieve
 Quality Manager MiCOM Labs, Inc.



 Gordon Hurst
 President & CEO MiCOM Labs, Inc.

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4. REFERENCES AND MEASUREMENT UNCERTAINTY

4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 D01 & D02	Oct 31 2013	Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band
II	KDB 926956 D01 v02	22nd August '16	U-NII Device Transition Plan
III	KDB 789033 D02 v01r04	2nd May 2017	Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices (Part 15, Subpart E)
IV	A2LA	August 2017	R105 - Requirement's When Making Reference to A2LA Accreditation Status
V	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
VI	ANSI C63.4	2014	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
VII	CISPR 32	2015	Electromagnetic compatibility of multimedia equipment - Emission requirements
VIII	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
IX	FCC 06-96	Jun 30 2006	Memorandum Opinion and Order
X	FCC 47 CFR Part 15.407	2016	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XI	ICES-003	Issue 6 Jan 2016; Updated April 2017	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
XII	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
XIII	RSS-247 Issue 2	Feb 2017	Digital Transmission Systems (DTSs), Frequency Hopping System (FHSS) and Licence-Exempt Local Area Network (LE-LEN) Devices
XIV	RSS-Gen Issue 4	November 2014	General Requirements and Information for the Certification of Radiocommunication Equipment
XV	KDB 644545 D03 v01	August 14th '14	Guidance for IEEE 802.11ac New Rules
XVI	FCC 47 CFR Part 2.1033	2016	FCC requirements and rules regarding photographs and test setup diagrams.

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4.2. Test and Uncertainty Procedure

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.



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5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

Details	Description
Purpose:	Test of the Radwin Ltd. AP0168031 to FCC CFR 47 15.407 & ISED RSS-247
Applicant:	Radwin Ltd. 27 Habarzel Street Tel Aviv 69710 Israel
Manufacturer:	As Applicant
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	RDWN53-U2
Date EUT received:	16 th October 2016
Standard(s) applied:	FCC CFR 47 15.407 & ISED RSS-247
Dates of test (from - to):	8 th – 12 th January 2018
No of Units Tested:	1
Product Family Name:	5 GHz 802.11ac 3x3 RF Module
Model(s):	AP0168031
Location for use:	Outdoors
Declared Frequency Range(s):	5725 - 5850 MHz;
Type of Modulation:	OFDM
EUT Modes of Operation:	10MHz; 20MHz; 40MHz; 80MHz;
Declared Nominal Output Power (dBm):	5725 – 5850 MHz: +29 dBm
Transmit/Receive Operation:	Transceiver - Full Duplex
Rated Input Voltage and Current:	POE (POE adaptor sold with unit) 55Vdc
Operating Temperature Range:	Declared Range -40°C to 60°C
ITU Emission Designator:	10 MHz 13M6W7W 20 MHz 24M6W7W 40 MHz 54M9W7W 80 MHz 111M0W7W
Equipment Dimensions:	0.3 in x 1.9 in x 2.0 in
Weight:	0.042 lb
Hardware Rev:	Prototype
Software Rev:	Prototype

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5.2. Scope Of Test Program

Radwin AP0168031

The scope of the test program was to test additional antennas for use with the Radwin AP0168031 wireless module in the frequency ranges 5725 - 5850 MHz; for compliance against the following specifications:

FCC CFR 47 Part 15 Subpart E 15.407

Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5725 to 5850 MHz frequency band.

ISED RSS-247 Issue 2

Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices, replaces RSS-247, Issue 1, dated May 2015.

This report is limited to cover the additional antennas listed in section 5.4 for radiated 5.8 GHz ONLY. Original antennas are reported in MiCOM Labs report: RDWN49-U5

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5.3. Equipment Model(s) and Serial Number(s)

Type	Description	Manu.	Model	Serial no.	Delivery Date
EUT	5 GHz 802.11ac 3x3 RF Module	Radwin Ltd.	AP0168031	Prototype	16 th October 2017

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
external	RADWIN Ltd.	AT0058760	Directional	18.0	-	18	-	5725 - 5850
external	RADWIN Ltd.	RW-9061-5001	Panel	14.0	-	90	Yes	5725 - 5850
external	RADWIN Ltd.	RW-9061-5002	Panel	16.5	-	60	Yes	5725 - 5850
external	RADWIN Ltd.	RW-9061-5004	Panel	11.0	-	120	Yes	5725 - 5850
external	RADWIN Ltd.	RW-9105-5158	Directional	19.0	-	17	Yes	5725 - 5850
external	RADWIN Ltd.	RW-9314-5158	Yagi	14.0	-	30	-	5725 - 5850
external	RADWIN Ltd.	RW-9401-5002	OMNI	12.5	-	50	-	5725 - 5850
external	RADWIN Ltd.	RW-9401-5004	OMNI	13.0	-	36	-	5725 - 5850
external	RADWIN Ltd.	RW-9401-5007	OMNI	10.0	-	360	Yes	5725 - 5850
external	RADWIN Ltd.	RW-9401-5158	OMNI	5.5	-	360	-	5725 - 5850
external	RADWIN Ltd.	RW-9402-5001	OMNI	10.0	-	360	-	5725 - 5850
external	RADWIN Ltd.	RW-9402-5004	OMNI	12.0	-	360	-	5725 - 5850
external	RADWIN Ltd.	RW-9521-4958	Panel	17.0	-	60	-	5725 - 5850
external	RADWIN Ltd.	RW-9531-5001	Panel	15.0	-	120	-	5725 - 5850
external	RADWIN Ltd.	RW-9531-5002	Panel	17.0	-	90	-	5725 - 5850

Not Tested Antennas

BF Gain - Beamforming Gain
Dir BW - Directional BeamWidth
X-Pol - Cross Polarization

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5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# Of Ports	Screened	Conn Type	Data Type
Ethernet	100m	1	Y	RJ45	Data

5.6. Test Configurations

Results for the following configurations are provided in this report:

Channel Bandwidths	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5725 - 5850 MHz				
10MHz	3.25	5730.00	5787.00	5845.00
20MHz	6.50	5735.00	5787.00	5840.00
40MHz	13.50	5745.00	5787.00	5830.00
80MHz	29.30	5765.00	5787.00	5810.00

5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:

1. NONE

5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:

1. NONE

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6. TEST SUMMARY

List of Measurements

Test Header	Result	Data Link
Radiated	Complies	-
TX Spurious & Restricted Band Emissions	Complies	-
RADWIN Ltd. AT0058760	Complies	View Data
RADWIN Ltd. RW-9061-5002	Complies	View Data
RADWIN Ltd. RW-9401-5004	Complies	View Data
RADWIN Ltd. RW-9401-5007	Complies	View Data
RADWIN Ltd. RW-9402-5004	Complies	View Data
RADWIN Ltd. RW-9531-5002	Complies	View Data
RADWIN Ltd. RW-9314-5158	Complies	View Data
Restricted Edge & Band-Edge Emissions	Complies	-
RADWIN Ltd. AT0058760	Complies	View Data
RADWIN Ltd. RW-9061-5002	Complies	View Data
RADWIN Ltd. RW-9401-5004	Complies	View Data
RADWIN Ltd. RW-9401-5007	Complies	View Data
RADWIN Ltd. RW-9402-5004	Complies	View Data
RADWIN Ltd. RW-9531-5002	Complies	View Data
RADWIN Ltd. RW-9314-5158	Complies	View Data

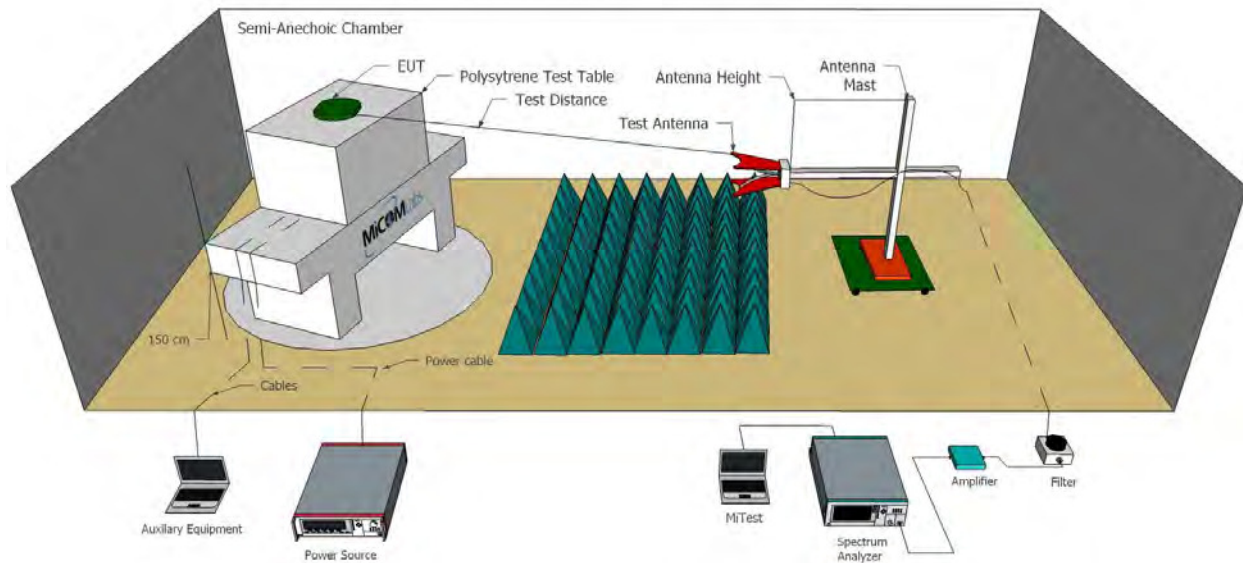
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7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Radiated Emissions

The following tests were performed using the radiated test set-up shown in the diagram below. Radiated emissions below and above 1GHz.

Radiated Emissions Above 1GHz Test Setup



A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	2 May 2018
298	3M Radiated Emissions Chamber	MiCOM	3M Chamber	298	28 Feb 2018
330	Variac 0-280 Vac	Staco Energy Co	3PN1020B	0546	Cal when used
336	Active loop Ant 10kHz to 30 MHz	EMCO	EMCO 6502	00060498	29 Nov 2019
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	5 Oct 2018
377	Band Rejection Filter 5150 to 5880MHz	Microtronics	BRM50716	034	6 Oct 2018
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	12 Oct 2018

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399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	12 Oct 2018
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	12 Oct 2018
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required
411	Mast/Turntable Controller	Sunol Sciences	SC98V	060199-1D	Not Required
412	USB to GPIB Interface	National Instruments	GPIB-USB HS	11B8DC2	Not Required
413	Mast Controller	Sunol Science	TWR95-4	030801-3	Not Required
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	4 Oct 2018
463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	4 Oct 2018
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	4 Oct 2018
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	6 Oct 2018
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	6 Oct 2018
482	Cable - Amp to Antenna	SRC Haverhill	157-3051574	482	6 Oct 2018
510	Barometer/Thermometer	Control Company	68000-49	170871375	11 Dec 2019
87	Uninterruptible Power Supply	Falcon Electric	ED2000-1/2LC	F3471 02/01	Cal when used
CC05	Confidence Check	MiCOM	CC05	None	7 Feb 2018
VLF-1700	Low pass filter DC-1700 MHz	Mini Circuits	VLF-1700	None	6 Oct 2018

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8. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by [MiTest](#). [MiTest](#) is an automated test system developed by MiCOM Labs. [MiTest](#) is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs "[MiTest](#)" Automated Test System" (Patent Pending)

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9. TEST RESULTS

9.1. Radiated

Radiated Test Conditions for Radiated Spurious and Band-Edge Emissions			
Standard:	FCC CFR 47:15.407	Ambient Temp. (°C):	20.0 - 24.5
Test Heading:	Radiated Spurious and Band-Edge Emissions	Rel. Humidity (%):	32 - 45
Standard Section(s):	15.407 (b), 15.205, 15.209	Pressure (mBars):	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Radiated Spurious and Band-Edge Emissions

Radiated emissions for restricted bands above 1 GHz are measured in the anechoic chamber at a 3-meter distance on every azimuth in both horizontal and vertical polarities. The emissions are recorded and maximized as a function of azimuth by rotation through 360° with a spectrum analyzer in peak hold mode. Depending on the frequency band spanned a notch filter was used to remove the fundamental frequency. The highest emissions relative to the limit are listed for each frequency spanned. Measurements on any restricted band frequency or frequencies above 1 GHz are based on the use of measurement instrumentation employing peak and average detectors. All measurements were performed using a resolution bandwidth of 1 MHz.

Test configuration and setup for Undesirable Measurement were per the Radiated Test Set-up specified in this document.

15.407 (b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

Limits for Restricted Bands (15.205, 15.209)

Peak emission: 68.2 dBuV/m

Average emission: 54 dBuV/m

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Loss, and subtracting Amplifier Gain from the measured reading. All factors are included in the reported data.

FS = R + AF + CORR - FO

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where:

FS = Field Strength
R = Measured Spectrum analyzer Input Amplitude
AF = Antenna Factor
CORR = Correction Factor = CL – AG + NFL
CL = Cable Loss
AG = Amplifier Gain
FO = Distance Falloff Factor
NFL = Notch Filter Loss

Example:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength (dBµV/m);

$$E = 1000000 \times \frac{\sqrt{30P}}{3} \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz equates to 68.23 dBuV/m

Conversion between dBmV/m (or dBmV) and mV/m (or mV) are as follows:
 Level (dBmV/m) = 20 * Log (level (mV/m))

40 dBmV/m = 100 mV/m
 48 dBmV/m = 250 mV/m

Restricted Bands of Operation (15.205)

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

Frequency Band			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5

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12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

(b) Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

(c) Except as provided in paragraphs (d) and (e) of this section, regardless of the field strength limits specified elsewhere in this subpart, the provisions of this section apply to emissions from any intentional radiator.

(d) The following devices are exempt from the requirements of this section:

- (1) Swept frequency field disturbance sensors operating between 1.705 and 37 MHz provided their emissions only sweep through the bands listed in paragraph (a) of this section, the sweep is never stopped with the fundamental emission within the bands listed in paragraph (a) of this section, and the fundamental emission is outside of the bands listed in paragraph (a) of this section more than 99% of the time the device is actively transmitting, without compensation for duty cycle.
- (2) Transmitters used to detect buried electronic markers at 101.4 kHz which are employed by telephone companies.
- (3) Cable locating equipment operated pursuant to §15.213.
- (4) Any equipment operated under the provisions of §15.253, 15.255, and 15.256 in the frequency band 75-85 GHz, or §15.257 of this part.
- (5) Biomedical telemetry devices operating under the provisions of §15.242 of this part are not subject to the restricted band 608-614 MHz but are subject to compliance within the other restricted bands.
- (6) Transmitters operating under the provisions of subparts D or F of this part.
- (7) Devices operated pursuant to §15.225 are exempt from complying with this section for the 13.36-13.41 MHz band only.
- (8) Devices operated in the 24.075-24.175 GHz band under §15.245 are exempt from complying with the requirements of this section for the 48.15-48.35 GHz and 72.225-72.525 GHz bands only, and shall not exceed the limits specified in §15.245(b).
- (9) Devices operated in the 24.0-24.25 GHz band under §15.249 are exempt from complying with the requirements of this section for the 48.0-48.5 GHz and 72.0-72.75 GHz bands only, and shall not exceed the limits specified in §15.249(a).

(e) Harmonic emissions appearing in the restricted bands above 17.7 GHz from field disturbance sensors operating under the provisions of §15.245 shall not exceed the limits specified in §15.245(b).

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9.1.1. TX Spurious & Restricted Band Emissions

9.1.1.1. RADWIN Ltd. AT0058760

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	10 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	19.0	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4762.83	64.75	2.96	-12.40	55.31	Max Peak	Vertical	161	344	68.2	-12.9	Pass
#2	4762.83	50.50	2.96	-12.40	41.06	Max Avg	Vertical	161	344	54.0	-12.9	Pass
#3	4762.83	61.72	2.96	-12.40	52.28	Max Peak	Horizontal	152	7	68.2	-16.0	Pass
#4	4762.83	47.02	2.96	-12.40	37.58	Max Avg	Horizontal	152	7	54.0	-16.4	Pass
#5	5727.70	81.03	3.17	-10.93	73.27	Fundamental	Vertical	151	0	--	--	
#6	6223.73	64.20	3.21	-9.34	58.07	Peak (NRB)	Horizontal	151	0	--	--	Pass
#7	6371.86	61.20	3.19	-9.17	55.22	Peak (NRB)	Vertical	151	0	--	--	Pass
#8	7639.97	60.95	3.71	-7.31	57.35	Max Peak	Horizontal	179	33	68.2	-10.9	Pass
#9	7639.97	57.30	3.71	-7.31	53.70	Max Avg	Horizontal	179	33	54.0	-0.3	Pass
#10	7640.04	58.27	3.71	-7.32	54.66	Max Peak	Vertical	98	3	68.2	-13.6	Pass
#11	7640.04	54.61	3.71	-7.32	51.00	Max Avg	Vertical	98	3	54.0	-3.0	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	10 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4699.44	68.48	2.94	-12.38	59.04	Max Peak	Vertical	142	0	68.2	-9.2	Pass
#2	4699.44	54.54	2.94	-12.38	45.10	Max Avg	Vertical	142	0	54.0	-8.9	Pass
#3	4856.31	72.65	3.04	-12.39	63.30	Max Peak	Horizontal	172	9	68.2	-4.9	Pass
#4	4856.31	58.27	3.04	-12.39	48.92	Max Avg	Horizontal	172	9	54.0	-5.1	Pass
#5	5784.58	78.84	3.21	-10.78	71.27	Fundamental	Vertical	100	0	--	--	
#6	6364.93	60.91	3.24	-9.14	55.01	Peak (NRB)	Vertical	100	0	--	--	Pass
#7	6407.70	62.76	3.17	-9.22	56.71	Peak (NRB)	Horizontal	100	0	--	--	Pass
#8	7715.87	57.77	3.76	-7.21	54.32	Max Peak	Vertical	197	3	68.2	-13.9	Pass
#9	7715.87	53.51	3.76	-7.21	50.06	Max Avg	Vertical	197	3	54.0	-3.9	Pass
#10	7716.02	58.02	3.76	-7.20	54.58	Max Peak	Horizontal	153	354	68.2	-13.7	Pass
#11	7716.02	54.28	3.76	-7.20	50.84	Max Avg	Horizontal	153	354	54.0	-3.2	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	10 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	15.0	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	4762.71	70.66	2.96	-12.40	61.22	Max Peak	Vertical	151	350	68.2	-7.0	Pass
#2	4762.71	56.54	2.96	-12.40	47.10	Max Avg	Vertical	151	350	54.0	-6.9	Pass
#3	4854.65	72.93	3.04	-12.40	63.57	Max Peak	Horizontal	192	9	68.2	-4.7	Pass
#4	4854.65	58.00	3.04	-12.40	48.64	Max Avg	Horizontal	192	9	54.0	-5.4	Pass
#5	5841.04	83.77	3.21	-10.87	76.11	Peak (NRB)	Vertical	200	0	--	--	Pass
#6	6219.56	67.82	3.22	-9.33	61.71	Peak (NRB)	Horizontal	200	0	--	--	Pass
#7	6276.75	64.58	3.22	-9.13	58.67	Peak (NRB)	Vertical	200	0	--	--	Pass
#8	7793.31	57.35	3.79	-7.43	53.71	Peak (NRB)	Vertical	200	0	--	--	Pass
#9	7793.44	58.53	3.79	-7.43	54.89	Peak (NRB)	Horizontal	200	0	--	--	Pass
#10	16133.99	49.06	5.61	-0.11	54.56	Max Peak	Horizontal	193	16	68.2	-13.7	Pass
#11	16133.99	36.06	5.61	-0.11	41.56	Max Avg	Horizontal	193	16	54.0	-12.4	Pass

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9.1.1.2. RADWIN Ltd. RW-9061-5002

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	10 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	11.5	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	3600.36	56.06	2.66	-11.81	46.91	Max Peak	Horizontal	193	147	68.2	-21.3	Pass
#2	3600.36	47.08	2.66	-11.81	37.93	Max Avg	Horizontal	193	147	54.0	-16.1	Pass
#3	3600.36	54.31	2.66	-11.81	45.16	Max Peak	Horizontal	193	42	68.2	-23.1	Pass
#4	3600.36	43.16	2.66	-11.81	34.01	Max Avg	Horizontal	193	42	54.0	-20.0	Pass
#5	3600.36	56.31	2.66	-11.81	47.16	Max Peak	Vertical	153	194	68.2	-21.1	Pass
#6	3600.36	47.73	2.66	-11.81	38.58	Max Avg	Vertical	153	194	54.0	-15.4	Pass
#7	4766.51	62.00	2.96	-12.42	52.54	Max Peak	Vertical	138	349	68.2	-15.7	Pass
#8	4766.51	48.60	2.96	-12.42	39.14	Max Avg	Vertical	138	349	54.0	-14.9	Pass
#9	4854.50	61.21	3.04	-12.40	51.85	Max Peak	Horizontal	181	358	68.2	-16.4	Pass
#10	4854.50	47.60	3.04	-12.40	38.24	Max Avg	Horizontal	181	358	54.0	-15.8	Pass
#11	5730.57	74.17	3.18	-10.89	66.46	Fundamental	Vertical	152	0	--	--	
#12	6103.89	60.64	3.24	-9.72	54.16	Peak (NRB)	Vertical	152	0	--	--	Pass
#13	6306.69	62.82	3.21	-9.06	56.97	Peak (NRB)	Horizontal	152	0	--	--	Pass
#14	16213.41	46.23	5.70	0.09	52.02	Peak (NRB)	Horizontal	152	0	--	--	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	10 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	3599.95	62.31	2.66	-11.80	53.17	Max Peak	Vertical	150	168	68.2	-15.1	Pass
#2	3599.95	57.28	2.66	-11.80	48.14	Max Avg	Vertical	150	168	54.0	-5.9	Pass
#3	3600.06	59.27	2.66	-11.81	50.12	Max Peak	Horizontal	165	166	68.2	-18.1	Pass
#4	3600.06	53.04	2.66	-11.81	43.89	Max Avg	Horizontal	165	166	54.0	-10.1	Pass
#5	4799.08	70.04	2.97	-12.46	60.55	Max Peak	Vertical	152	6	68.2	-7.7	Pass
#6	4799.08	55.71	2.97	-12.46	46.22	Max Avg	Vertical	152	6	54.0	-7.8	Pass
#7	4855.51	72.52	3.04	-12.39	63.17	Max Peak	Horizontal	167	355	68.2	-5.1	Pass
#8	4855.51	57.97	3.04	-12.39	48.62	Max Avg	Horizontal	167	355	54.0	-5.4	Pass
#9	5788.44	93.65	3.21	-10.78	86.08	Fundamental	Vertical	151	0	--	--	
#10	6375.29	71.50	3.18	-9.15	65.53	Peak (NRB)	Horizontal	151	0	--	--	Pass
#11	6412.77	65.20	3.15	-9.24	59.11	Peak (NRB)	Vertical	151	0	--	--	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	10 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	1987.59	50.23	2.09	-12.93	39.39	Peak (NRB)	Horizontal	151	22	--	--	Pass
#2	3599.89	54.27	2.66	-11.80	45.13	Peak (NRB)	Horizontal	151	49	--	--	Pass
#3	3600.06	62.19	2.66	-11.81	53.04	Max Peak	Vertical	127	170	68.2	-15.2	Pass
#4	3600.06	56.94	2.66	-11.81	47.79	Max Avg	Vertical	127	170	54.0	-6.2	Pass
#5	4734.71	67.21	2.94	-12.40	57.75	Max Peak	Vertical	153	3	68.2	-10.5	Pass
#6	4734.71	53.75	2.94	-12.40	44.29	Max Avg	Vertical	153	3	54.0	-9.7	Pass
#7	4855.51	66.86	3.04	-12.39	57.51	Max Peak	Horizontal	168	356	68.2	-10.7	Pass
#8	4855.51	53.12	3.04	-12.39	43.77	Max Avg	Horizontal	168	356	54.0	-10.2	Pass
#9	5845.89	85.86	3.20	-10.77	78.29	Fundamental	Vertical	151	0	--	--	
#10	6068.13	66.43	3.24	-9.84	59.83	Peak (NRB)	Vertical	151	0	--	--	Pass
#11	6370.29	66.47	3.19	-9.17	60.49	Peak (NRB)	Horizontal	151	0	--	--	Pass
#12	16296.76	48.36	5.68	-0.95	53.09	Peak (NRB)	Vertical	151	0	--	--	Pass

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9.1.1.3. RADWIN Ltd. RW-9401-5004

Equipment Configuration for Restricted Band Spurious Emissions

Antenna:	RADWIN Ltd. RW-9401-5004	Variant:	10 Mhz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	3600.01	57.85	2.66	-11.81	48.70	Max Peak	Vertical	193	228	68.2	-19.5	Pass
#2	3600.01	51.28	2.66	-11.81	42.13	Max Avg	Vertical	193	228	54.0	-11.9	Pass
#3	3600.01	57.98	2.66	-11.81	48.83	Max Peak	Horizontal	186	175	68.2	-19.4	Pass
#4	3600.01	51.69	2.66	-11.81	42.54	Max Avg	Horizontal	186	175	54.0	-11.5	Pass
#5	4856.34	66.48	3.04	-12.39	57.13	Max Peak	Vertical	176	91	68.2	-11.1	Pass
#6	4856.34	51.46	3.04	-12.39	42.11	Max Avg	Vertical	176	91	54.0	-11.9	Pass
#7	5726.38	66.47	3.17	-10.97	58.67	Fundamental	Vertical	200	0	--	--	
#8	6406.57	58.37	3.18	-9.21	52.34	Peak (NRB)	Vertical	200	0	--	--	Pass
#9	6409.90	58.20	3.16	-9.22	52.14	Peak (NRB)	Vertical	200	0	--	--	Pass
#10	7639.94	54.59	3.71	-7.31	50.99	Peak (Scan)	Vertical	200	0	68.2	-17.2	Pass
#11	15683.09	51.35	5.44	-1.73	55.06	Max Peak	Horizontal	172	249	68.2	-13.1	Pass
#12	15683.09	36.78	5.44	-1.73	40.49	Max Avg	Horizontal	172	249	54.0	-13.5	Pass

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Equipment Configuration for Restricted Band Spurious Emissions

Antenna:	RADWIN Ltd. RW-9401-5004	Variant:	10 Mhz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4860.45	65.97	3.02	-12.38	56.61	Max Peak	Vertical	197	78	68.2	-11.6	Pass
#2	4860.45	51.30	3.02	-12.38	41.94	Max Avg	Vertical	197	78	54.0	-12.1	Pass
#3	5783.15	67.04	3.21	-10.79	59.46	Peak (NRB)	Vertical	100	0	--	--	Pass
#4	6102.61	62.32	3.24	-9.76	55.80	Peak (NRB)	Vertical	200	41	--	--	Pass
#5	7716.05	53.28	3.76	-7.20	49.84	Max Peak	Vertical	167	1	68.2	-18.36	Pass
#6	7716.05	46.34	3.76	-7.20	42.90	Max Avg	Vertical	167	1	54.0	-11.1	Pass
#7	16481.32	46.41	5.68	0.74	52.83	Peak (NRB)	Vertical	200	41	--	--	Pass

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Antenna:	RADWIN Ltd. RW-9401-5004	Variant:	10 Mhz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	3600.17	56.57	2.66	-11.81	47.42	Max Peak	Vertical	190	228	68.2	-20.8	Pass
#2	3600.17	49.12	2.66	-11.81	39.97	Max Avg	Vertical	190	228	54.0	-14.0	Pass
#3	4616.67	62.90	2.94	-11.91	53.93	Max Peak	Vertical	198	160	68.2	-14.27	Pass
#4	4616.67	48.53	2.94	-11.91	39.56	Max Avg	Vertical	198	160	54.0	-14.4	Pass
#5	5849.19	69.94	3.20	-10.66	62.48	Peak (NRB)	Vertical	200	0	--	--	Pass
#6	6448.82	56.59	3.14	-9.07	50.66	Peak (NRB)	Vertical	200	0	--	--	Pass
#7	7793.38	52.38	3.79	-7.43	48.74	Peak (NRB)	Vertical	200	0	--	--	Pass
#8	16447.37	47.22	5.65	0.19	53.06	Peak (NRB)	Horizontal	200	0	--	--	Pass

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9.1.1.4. RADWIN Ltd. RW-9401-5007

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	10 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	4856.10	61.20	3.04	-12.39	51.85	Max Peak	Vertical	180	141	68.2	-16.4	Pass
#2	4856.10	47.79	3.04	-12.39	38.44	Max Avg	Vertical	180	141	54.0	-15.6	Pass
#3	4859.64	66.74	3.02	-12.38	57.38	Max Peak	Horizontal	195	161	68.2	-10.9	Pass
#4	4859.64	52.07	3.02	-12.38	42.71	Max Avg	Horizontal	195	161	54.0	-11.3	Pass
#5	5728.25	68.95	3.17	-10.93	61.19	Fundamental	Horizontal	200	0	--	--	
#6	6384.29	60.01	3.20	-9.16	54.05	Peak (NRB)	Horizontal	200	0	--	--	Pass
#7	6405.81	54.59	3.18	-9.21	48.56	Peak (NRB)	Vertical	200	0	--	--	Pass
#8	7640.12	59.69	3.71	-7.32	56.08	Max Peak	Horizontal	189	210	68.2	-12.2	Pass
#9	7640.12	56.05	3.71	-7.32	52.44	Max Avg	Horizontal	189	210	54.0	-1.6	Pass
#10	7640.12	54.76	3.71	-7.32	51.15	Max Peak	Vertical	195	57	68.2	-17.1	Pass
#11	7640.12	48.32	3.71	-7.32	44.71	Max Avg	Vertical	195	57	54.0	-9.3	Pass
#12	16632.93	46.14	5.61	1.21	52.96	Peak (NRB)	Horizontal	200	23	--	--	Pass

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Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	10 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4854.77	59.92	3.04	-12.40	50.56	Max Peak	Vertical	160	326	68.2	-17.7	Pass
#2	4854.77	46.55	3.04	-12.40	37.19	Max Avg	Vertical	160	326	54.0	-16.8	Pass
#3	4854.77	69.39	3.04	-12.40	60.03	Max Peak	Horizontal	186	244	68.2	-8.2	Pass
#4	4854.77	54.98	3.04	-12.40	45.62	Max Avg	Horizontal	186	244	54.0	-8.4	Pass
#5	5784.47	83.64	3.21	-10.79	76.06	Fundamental	Horizontal	151	0	--	--	
#6	6259.56	60.57	3.21	-9.34	54.44	Peak (NRB)	Horizontal	151	0	--	--	Pass
#7	7716.01	53.42	3.76	-7.20	49.98	Max Peak	Vertical	158	244	68.2	-18.3	Pass
#8	7716.01	46.48	3.76	-7.20	43.04	Max Avg	Vertical	158	244	54.0	-11.0	Pass
#9	7716.01	57.38	3.76	-7.20	53.94	Max Peak	Horizontal	172	297	68.2	-14.3	Pass
#10	7716.01	52.77	3.76	-7.20	49.33	Max Avg	Horizontal	172	297	54.0	-4.7	Pass
#11	16831.71	47.05	5.69	-0.68	52.06	Peak (NRB)	Horizontal	151	0	--	--	Pass

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Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	10 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	3599.82	56.17	2.66	-11.80	47.03	Max Peak	Horizontal	167	200	68.2	-21.2	Pass
#2	3599.82	48.39	2.66	-11.80	39.25	Max Avg	Horizontal	167	200	54.0	-14.8	Pass
#3	3600.14	55.66	2.66	-11.81	46.51	Max Peak	Vertical	157	246	68.2	-21.7	Pass
#4	3600.14	48.05	2.66	-11.81	38.90	Max Avg	Vertical	157	246	54.0	-15.1	Pass
#5	4858.08	69.90	3.03	-12.39	60.54	Max Peak	Horizontal	191	242	68.2	-7.7	Pass
#6	4858.08	55.80	3.03	-12.39	46.44	Max Avg	Horizontal	191	242	54.0	-7.6	Pass
#7	4860.94	61.21	3.02	-12.38	51.85	Max Peak	Vertical	190	143	68.2	-16.4	Pass
#8	4860.94	47.35	3.02	-12.38	37.99	Max Avg	Vertical	190	143	54.0	-16.0	Pass
#9	5842.14	73.87	3.21	-10.84	66.24	Peak (NRB)	Horizontal	200	0	--	--	Pass
#10	6157.84	61.47	3.24	-9.48	55.23	Peak (NRB)	Horizontal	200	0	--	--	Pass
#11	6445.29	53.79	3.15	-9.04	47.90	Peak (NRB)	Vertical	200	0	--	--	Pass
#12	7793.14	52.97	3.79	-7.43	49.33	Peak (NRB)	Horizontal	166	0	--	--	Pass
#13	16385.96	47.43	5.63	-0.83	52.23	Peak (NRB)	Vertical	200	0	--	--	Pass

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9.1.1.5. RADWIN Ltd. RW-9402-5004

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	10 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	4702.89	53.84	2.94	-12.36	44.42	Max Peak	Horizontal	105	230	68.2	-23.8	Pass
#2	4702.89	40.41	2.94	-12.36	30.99	Max Avg	Horizontal	105	230	54.0	-23.0	Pass
#3	4735.51	67.85	2.94	-12.40	58.39	Max Peak	Vertical	118	294	68.2	-9.8	Pass
#4	4735.51	53.46	2.94	-12.40	44.00	Max Avg	Vertical	118	294	54.0	-10.0	Pass
#5	5727.15	57.33	3.16	-10.94	49.55	Fundamental	Vertical	100	0	--	--	
#6	6357.19	58.58	3.31	-9.06	52.83	Peak (NRB)	Vertical	100	0	--	--	Pass
#7	7640.14	57.37	3.71	-7.32	53.76	Max Peak	Vertical	101	313	68.2	-14.5	Pass
#8	7640.14	52.69	3.71	-7.32	49.08	Max Avg	Vertical	101	313	54.0	-4.9	Pass
#9	17240.79	47.70	5.78	-1.62	51.86	Peak (NRB)	Vertical	100	0	--	--	Pass

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Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	10 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	3600.07	58.24	2.66	-11.81	49.09	Max Peak	Vertical	195	210	68.2	-19.1	Pass
#2	3600.07	52.39	2.66	-11.81	43.24	Max Avg	Vertical	195	210	54.0	-10.8	Pass
#3	3600.15	57.34	2.66	-11.81	48.19	Max Peak	Horizontal	190	185	68.2	-20.0	Pass
#4	3600.15	49.98	2.66	-11.81	40.83	Max Avg	Horizontal	190	185	54.0	-13.2	Pass
#5	4562.24	59.46	2.93	-11.92	50.47	Max Peak	Vertical	108	179	68.2	-17.8	Pass
#6	4562.24	45.48	2.93	-11.92	36.49	Max Avg	Vertical	108	179	54.0	-17.5	Pass
#7	5790.65	66.06	3.20	-10.80	58.46	Fundamental	Vertical	100	0	--	--	
#8	6412.55	62.61	3.15	-9.24	56.52	Peak (NRB)	Vertical	200	0	--	--	Pass
#9	16713.19	48.32	5.66	0.76	54.74	Max Peak	Vertical	170	62	68.2	-13.5	Pass
#10	16713.19	35.08	5.66	0.76	41.50	Max Avg	Vertical	170	62	54.0	-12.5	Pass

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Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	10 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	2390.96	50.77	2.26	-12.44	40.59	Peak (NRB)	Horizontal	194	0	--	--	Pass
#2	3599.79	54.00	2.66	-11.80	44.86	Peak (NRB)	Horizontal	194	0	--	--	Pass
#3	3599.87	53.35	2.66	-11.80	44.21	Peak (NRB)	Vertical	194	0	--	--	Pass
#4	4858.08	74.64	3.03	-12.39	65.28	Max Peak	Vertical	154	120	68.2	-3.0	Pass
#5	4858.08	59.74	3.03	-12.39	50.38	Max Avg	Vertical	154	120	54.0	-3.6	Pass
#6	5847.54	70.11	3.20	-10.71	62.60	Fundamental	Vertical	100	0	--	--	
#7	6481.12	65.62	3.14	-8.93	59.83	Peak (NRB)	Vertical	151	0	--	--	Pass
#8	7793.47	56.02	3.79	-7.43	52.38	Peak (NRB)	Vertical	194	0	--	--	Pass

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9.1.1.6. RADWIN Ltd. RW-9531-5002

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	10 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	13.0	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB	Level dBμV/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
#1	4887.40	59.45	3.01	-12.46	50.00	Max Peak	Vertical	148	28	68.2	-18.2	Pass
#2	4887.40	45.57	3.01	-12.46	36.12	Max Avg	Vertical	148	28	54.0	-17.9	Pass
#3	4887.40	59.58	3.01	-12.46	50.13	Max Peak	Horizontal	183	4	68.2	-18.1	Pass
#4	4887.40	46.22	3.01	-12.46	36.77	Max Avg	Horizontal	183	4	54.0	-17.2	Pass
#5	5733.21	65.05	3.18	-10.86	57.37	Fundamental	Vertical	176	5	--	--	
#6	6367.39	54.58	3.20	-9.15	48.63	Peak (NRB)	Vertical	176	5	--	--	Pass
#7	6381.76	62.53	3.19	-9.13	56.59	Peak (NRB)	Horizontal	176	5	--	--	Pass
#8	7639.91	60.20	3.71	-7.31	56.60	Max Peak	Horizontal	192	4	68.2	-11.6	Pass
#9	7639.91	56.98	3.71	-7.31	53.38	Max Avg	Horizontal	192	4	54.0	-0.6	Pass
#10	7640.04	60.57	3.71	-7.32	56.96	Peak (Scan)	Horizontal	182	4	68.2	-11.3	Pass
#11	7640.15	59.95	3.71	-7.32	56.34	Max Peak	Vertical	162	355	68.2	-11.9	Pass
#12	7640.15	56.55	3.71	-7.32	52.94	Max Avg	Vertical	162	355	54.0	-1.1	Pass
#13	16160.77	48.76	5.54	0.11	54.41	Max Peak	Vertical	144	262	68.2	-13.8	Pass
#14	16160.77	35.31	5.54	0.11	40.96	Max Avg	Vertical	144	262	54.0	-13.0	Pass

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Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	10 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	11	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4856.15	63.24	3.04	-12.39	53.89	Max Peak	Vertical	146	326	68.2	-14.3	Pass
#2	4856.15	49.93	3.04	-12.39	40.58	Max Avg	Vertical	146	326	54.0	-13.4	Pass
#3	4889.79	61.36	3.01	-12.45	51.92	Max Peak	Horizontal	128	6	68.2	-16.3	Pass
#4	4889.79	47.41	3.01	-12.45	37.97	Max Avg	Horizontal	128	6	54.0	-16.0	Pass
#5	5790.54	81.60	3.20	-10.80	74.00	Fundamental	Vertical	151	0	--	--	
#6	6250.30	63.06	3.23	-9.34	56.95	Peak (NRB)	Vertical	151	0	--	--	Pass
#7	6328.78	54.59	3.23	-9.35	48.47	Peak (NRB)	Horizontal	151	0	--	--	Pass
#8	7715.96	59.71	3.76	-7.21	56.26	Max Peak	Vertical	157	339	68.2	-12.0	Pass
#9	7715.96	55.77	3.76	-7.21	52.32	Max Avg	Vertical	157	339	54.0	-1.7	Pass
#10	7716.03	60.34	3.76	-7.20	56.90	Max Peak	Horizontal	191	4	68.2	-11.3	Pass
#11	7716.03	57.24	3.76	-7.20	53.80	Max Avg	Horizontal	191	4	54.0	-0.2	Pass
#12	16128.76	48.30	5.62	-0.02	53.90	Max Peak	Vertical	150	20	68.2	-14.3	Pass
#13	16128.76	35.27	5.62	-0.02	40.87	Max Avg	Vertical	150	20	54.0	-13.1	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	10 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	24	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4733.77	74.61	2.93	-12.41	65.13	Max Peak	Vertical	161	322	68.2	-3.1	Pass
#2	4733.77	59.68	2.93	-12.41	50.20	Max Avg	Vertical	161	322	54.0	-3.8	Pass
#3	4893.69	70.00	3.02	-12.43	60.59	Max Peak	Horizontal	195	5	68.2	-7.6	Pass
#4	4893.69	56.10	3.02	-12.43	46.69	Max Avg	Horizontal	195	5	54.0	-7.3	Pass
#5	5849.19	87.98	3.20	-10.66	80.52	Peak (NRB)	Vertical	148	0	--	--	Pass
#6	6425.61	70.22	3.13	-9.19	64.16	Peak (NRB)	Vertical	148	0	--	--	Pass
#7	6446.55	65.28	3.15	-9.04	59.39	Peak (NRB)	Horizontal	148	0	--	--	Pass
#8	7793.30	49.84	3.79	-7.43	46.20	Peak (NRB)	Vertical	148	0	--	--	Pass
#9	7793.61	61.78	3.79	-7.43	58.14	Peak (NRB)	Horizontal	148	0	--	--	Pass
#10	16430.95	48.13	5.66	-0.11	53.68	Max Peak	Vertical	189	277	68.2	-14.6	Pass
#11	16430.95	35.19	5.66	-0.11	40.74	Max Avg	Vertical	189	277	54.0	-13.3	Pass

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9.1.1.7. RADWIN Ltd. WISP51583MIMO

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	10 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	19	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	4731.77	60.78	2.94	-12.40	51.32	Max Peak	Horizontal	186	0	68.2	-16.9	Pass
#2	4731.77	46.88	2.94	-12.40	37.42	Max Avg	Horizontal	186	0	54.0	-16.6	Pass
#3	4731.77	64.28	2.94	-12.40	54.82	Max Peak	Vertical	160	8	68.2	-13.4	Pass
#4	4731.77	50.03	2.94	-12.40	40.57	Max Avg	Vertical	160	8	54.0	-13.4	Pass
#5	5730.46	74.26	3.17	-10.91	66.52	Fundamental	Vertical	100	0	--	--	
#6	6138.77	54.89	3.27	-9.65	48.51	Peak (NRB)	Vertical	151	0	--	--	Pass
#7	6312.41	53.74	3.26	-9.07	47.93	Peak (NRB)	Horizontal	151	0	--	--	Pass
#8	7640.04	50.47	3.71	-7.32	46.86	Peak (Scan)	Vertical	151	0	68.2	-21.4	Pass
#9	7640.04	60.21	3.71	-7.32	56.60	Max Peak	Vertical	134	93	68.2	-11.6	Pass
#10	7640.04	56.99	3.71	-7.32	53.38	Max Avg	Vertical	134	93	54.0	-0.6	Pass
#11	7640.14	56.34	3.71	-7.32	52.73	Max Peak	Horizontal	142	319	68.2	-15.5	Pass
#12	7640.14	51.09	3.71	-7.32	47.48	Max Avg	Horizontal	142	319	54.0	-6.5	Pass
#13	16271.41	45.98	5.68	-0.65	51.01	Peak (NRB)	Vertical	151	0	--	--	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	10 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5787.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4765.23	68.90	2.96	-12.40	59.46	Max Peak	Vertical	191	357	68.2	-8.8	Pass
#2	4765.23	54.71	2.96	-12.40	45.27	Max Avg	Vertical	191	357	54.0	-8.7	Pass
#3	4827.88	68.43	2.97	-12.41	58.99	Max Peak	Horizontal	173	353	68.2	-9.2	Pass
#4	4827.88	54.14	2.97	-12.41	44.70	Max Avg	Horizontal	173	353	54.0	-9.3	Pass
#5	5789.65	85.41	3.21	-10.79	77.83	Fundamental	Horizontal	151	0	--	--	
#6	6481.28	55.66	3.14	-8.93	49.87	Peak (NRB)	Vertical	151	0	--	--	Pass
#7	7715.98	58.67	3.76	-7.21	55.22	Max Peak	Vertical	147	92	68.2	-13.0	Pass
#8	7715.98	54.64	3.76	-7.21	51.19	Max Avg	Vertical	147	92	54.0	-2.8	Pass
#9	17069.96	46.34	5.66	0.58	52.58	Peak (NRB)	Vertical	151	0	--	--	Pass

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Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	10 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	4701.74	71.13	2.94	-12.37	61.70	Max Peak	Vertical	182	13	68.2	-6.5	Pass
#2	4701.74	56.72	2.94	-12.37	47.29	Max Avg	Vertical	182	13	54.0	-6.7	Pass
#3	4856.92	70.02	3.04	-12.39	60.67	Max Peak	Horizontal	180	2	68.2	-7.6	Pass
#4	4856.92	55.60	3.04	-12.39	46.25	Max Avg	Horizontal	180	2	54.0	-7.8	Pass
#5	5841.48	81.93	3.22	-10.89	74.26	Fundamental	Vertical	151	0	--	--	
#6	7793.41	52.05	3.79	-7.43	48.41	Peak (NRB)	Vertical	151	12	--	--	Pass
#7	14719.09	52.92	5.32	-4.75	53.49	Max Peak	Vertical	176	189	68.2	-14.7	Pass
#8	14719.09	39.68	5.32	-4.75	40.25	Max Avg	Vertical	176	189	54.0	-13.8	Pass
#9	16315.83	49.56	5.71	-1.04	54.23	Max Peak	Vertical	153	83	68.2	-14.0	Pass
#10	16315.83	35.64	5.71	-1.04	40.31	Max Avg	Vertical	153	83	54.0	-13.7	Pass

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9.1.2. Restricted Edge & Band-Edge Emissions

9.1.2.8. RADWIN Ltd. AT0058760

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. AT0058760		Band-Edge Freq	Limit 68.2dB μ V/m	Limit 122.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5730.00	5725.00	65.28	115.62	15
20 MHz	5735.00	5725.00	65.38	106.04	15
40 Mhz	5745.00	5725.00	66.46	101.72	15
80 Mhz	5765.00	5725.00	66.77	96.81	15

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. AT0058760		Band-Edge Freq	Limit 122.2dB μ V/m	Limit 68.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5845.00	5850.00	113.07	66.64	20
20 MHz	5840.00	5850.00	106.57	66.84	20
40 Mhz	5830.00	5850.00	102.66	67.00	20
80 Mhz	5810.00	5850.00	98.33	67.81	17

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	10 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5644.66	27.46	3.19	34.63	65.28	Max Avg	Horizontal	196	3	68.2	-3.0	Pass
#2	5725.00	77.73	3.17	34.72	115.62	Max Avg	Horizontal	196	3	122.2	-6.6	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	20 MHz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5648.27	27.55	3.20	34.63	65.38	Max Avg	Vertical	151	346	68.2	-2.9	Pass
#2	5725.00	68.15	3.17	34.72	106.04	Max Avg	Vertical	151	346	122.2	-16.2	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	40 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5621.28	28.64	3.18	34.64	66.46	Max Avg	Vertical	151	346	68.2	-1.8	Pass
#2	5725.00	63.83	3.17	34.72	101.72	Max Avg	Vertical	151	346	122.2	-20.5	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	80 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5628.79	28.92	3.21	34.64	66.77	Max Avg	Vertical	151	346	68.2	-1.5	Pass
#2	5725.00	58.92	3.17	34.72	96.81	Max Avg	Vertical	151	346	122.2	-25.4	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	10 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	20	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	74.91	3.20	34.96	113.07	Max Avg	Vertical	151	346	122.2	-9.13	Pass
#3	5927.29	28.34	3.19	35.11	66.64	Max Avg	Vertical	151	346	68.2	-1.6	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	20 MHz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	20	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	68.41	3.20	34.96	106.57	Max Avg	Vertical	151	346	122.2	-15.63	Pass
#3	5961.86	28.42	3.27	35.15	66.84	Max Avg	Vertical	151	346	68.2	-1.4	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	40 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	20	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	64.50	3.20	34.96	102.66	Max Avg	Vertical	151	346	122.2	-19.54	Pass
#3	5933.17	28.70	3.19	35.11	67.00	Max Avg	Vertical	151	346	68.2	-1.2	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. AT0058760	Variant:	80 Mhz
Antenna Gain (dBi):	18.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	17	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	60.17	3.20	34.96	98.33	Max Avg	Vertical	151	346	122.2	-23.87	Pass
#3	5929.60	29.52	3.18	35.11	67.81	Max Avg	Vertical	151	346	68.2	-0.4	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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9.1.2.9. RADWIN Ltd. RW-9061-5002

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. RW-9061-5002		Band-Edge Freq	Limit 68.2dBµV/m	Limit 122.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5730.00	5725.00	65.87	114.62	11.5
20 MHz	5735.00	5725.00	66.44	106.09	11.5
40 Mhz	5745.00	5725.00	67.80	101.54	11.5
80 Mhz	5765.00	5725.00	67.59	96.42	11.5

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. RW-9061-5002		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5845.00	5850.00	112.34	67.39	15
20 MHz	5840.00	5850.00	101.83	67.94	14.5
40 Mhz	5830.00	5850.00	102.67	67.83	14.5
80 Mhz	5810.00	5850.00	95.80	66.63	14.5

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	10 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	11.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5620.13	28.04	3.18	34.65	65.87	Max Avg	Vertical	150	4	68.2	-2.4	Pass
#2	5725.00	76.73	3.17	34.72	114.62	Max Avg	Vertical	150	4	122.2	-7.6	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	20 MHz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	11.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5620.85	28.62	3.18	34.64	66.44	Max Avg	Vertical	150	4	68.2	-1.8	Pass
#2	5725.00	68.20	3.17	34.72	106.09	Max Avg	Vertical	150	4	122.2	-16.1	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	40 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	11.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5601.08	29.88	3.27	34.65	67.80	Max Avg	Vertical	150	4	68.2	-0.4	Pass
#2	5725.00	63.65	3.17	34.72	101.54	Max Avg	Vertical	150	4	122.2	-20.7	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	80 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	6.00 MBit/s
Power Setting:	11.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5624.82	29.76	3.19	34.64	67.59	Max Avg	Vertical	150	4	68.2	-0.6	Pass
#2	5725.00	58.53	3.17	34.72	96.42	Max Avg	Vertical	150	4	122.2	-25.8	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	10 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	15	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	74.18	3.20	34.96	112.34	Max Avg	Horizontal	150	4	122.2	-9.86	Pass
#3	5958.18	28.99	3.26	35.14	67.39	Max Avg	Horizontal	150	4	68.2	-0.8	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	20 MHz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	14.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	63.67	3.20	34.96	101.83	Max Avg	Vertical	150	4	122.2	-20.37	Pass
#3	5932.36	29.64	3.19	35.11	67.94	Max Avg	Vertical	150	4	68.2	-0.3	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	40 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	14.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	64.51	3.20	34.96	102.67	Max Avg	Vertical	150	4	122.2	-19.53	Pass
#3	5989.98	29.39	3.23	35.21	67.83	Max Avg	Vertical	150	4	68.2	-0.4	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9061-5002	Variant:	80 Mhz
Antenna Gain (dBi):	16.50	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	14.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	57.64	3.20	34.96	95.80	Max Avg	Horizontal	150	4	122.2	-26.4	Pass
#3	5959.10	28.23	3.26	35.14	66.63	Max Avg	Horizontal	150	4	68.2	-1.6	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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9.1.2.10. RADWIN Ltd. RW-9401-5004

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. SA0199500 11 dBi		Band-Edge Freq	Limit 122.2dBµV/m	Limit 110.2dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10MHz	5730.00	5725.00	107.08	91.80	28
20MHz	5735.00	5725.00	106.19	93.58	28
		Band-Edge Freq	Limit 122.2dBµV/m	Limit 108.3dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
40MHz	5745.00	5725.00	99.36	92.80	27.5
		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.2dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
80MHz	5765.00	5725.00	88.49	67.31	24.5

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. SA0199500 11 dBi		Band-Edge Freq	Limit 122.2dBµV/m	Limit 110.2dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10MHz	5845.00	5850.00	107.41	89.20	28
		Band-Edge Freq	Limit 122.2dBµV/m	Limit 109.7dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
20MHz	5840.00	5850.00	99.17	92.57	28
		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.9dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
40MHz	5830.00	5850.00	91.86	67.19	27.5
		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.2dBµV/m	Power Setting
Channel Bandwidth(s)	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
80MHz	5810.00	5850.00	86.76	67.51	27.5

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Equipment Configuration for 5725 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	10 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5717.89	53.91	3.18	34.71	91.80	Max Avg	Horizontal	150	209	110.2	-18.4	Pass
#2	5725.00	69.19	3.17	34.72	107.08	Max Avg	Horizontal	150	209	122.2	-15.1	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

Equipment Configuration for 5850 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	10 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	69.25	3.20	34.96	107.41	Max Avg	Horizontal	150	209	122.2	-14.8	Pass
#3	5857.23	51.02	3.20	34.98	89.20	Max Avg	Horizontal	150	209	110.2	-21.0	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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Equipment Configuration for 5725 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	20 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.50 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
#1	5717.89	55.69	3.18	34.71	93.58	Max Avg	Horizontal	150	209	110.2	-16.7	Pass
#2	5725.00	68.30	3.17	34.72	106.19	Max Avg	Horizontal	150	209	122.2	-16.0	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

Equipment Configuration for 5850 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	20 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.50 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBμV	Cable Loss dB	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
#1	5850.00	61.01	3.20	34.96	99.17	Max Avg	Horizontal	150	209	122.2	-23.0	Pass
#3	5858.62	54.39	3.20	34.98	92.57	Max Avg	Horizontal	150	209	109.7	-17.1	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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Equipment Configuration for 5725 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	40 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	13.50 MBit/s
Power Setting:	27.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5710.67	54.91	3.19	34.70	92.80	Max Avg	Horizontal	150	209	108.3	-15.5	Pass
#2	5725.00	61.47	3.17	34.72	99.36	Max Avg	Horizontal	150	209	122.2	-22.8	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

Equipment Configuration for 5850 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	40 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	13.50 MBit/s
Power Setting:	27.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	PoI	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5850.00	53.70	3.20	34.96	91.86	Max Avg	Horizontal	150	209	122.2	-30.3	Pass
#3	5923.61	28.88	3.20	35.11	67.19	Max Avg	Horizontal	150	209	68.9	-1.8	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004
Test set-up notes:

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Equipment Configuration for 5725 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	80 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	27.32 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5641.77	29.49	3.18	34.64	67.31	Max Avg	Horizontal	150	209	68.2	-0.9	Pass
#2	5725.00	50.60	3.17	34.72	88.49	Max Avg	Horizontal	150	209	122.2	-33.7	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

Equipment Configuration for 5850 Radiated Band-Edge Emissions

Antenna:	RW-9401-5004	Variant:	80 MHz
Antenna Gain (dBi):	13.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	27.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5850.00	48.60	3.20	34.96	86.76	Max Peak	Horizontal	150	209	122.2	-35.4	Pass
#3	5930.52	29.22	3.18	35.11	67.51	Max Peak	Horizontal	150	209	68.2	-1.4	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

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9.1.2.11. RADWIN Ltd. RW-9401-5007

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. RW-9401-5007		Band-Edge Freq	Limit 68.2dBµV/m	Limit 122.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5730.00	5725.00	67.68	121.39	22
20 MHz	5735.00	5725.00	66.88	114.06	22
80 Mhz	5745.00	5725.00	67.15	92.31	16.5
		Band-Edge Freq	Limit 71.9dBµV/m	Limit 122.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
40 Mhz	5765.00	5725.00	71.25	100.01	22

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. RW-9401-5007		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5845.00	5850.00	110.65	67.67	23
20 MHz	5840.00	5850.00	101.68	67.72	22
40 Mhz	5830.00	5850.00	102.42	68.16	21.5
80 Mhz	5810.00	5850.00	95.15	68.09	18

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	10 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5601.37	29.76	3.27	34.65	67.68	Max Avg	Horizontal	154	16	68.2	-0.6	Pass
#2	5725.00	83.50	3.17	34.72	121.39	Max Avg	Horizontal	154	16	122.2	-0.8	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	20 MHz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5612.56	29.03	3.20	34.65	66.88	Max Avg	Horizontal	154	11	68.2	-1.4	Pass
#2	5725.00	76.17	3.17	34.72	114.06	Max Avg	Horizontal	154	11	122.2	-8.1	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	40 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5740.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5654.76	33.39	3.22	34.64	71.25	Max Avg	Horizontal	154	11	71.9	-0.7	Pass
#2	5725.00	62.12	3.17	34.72	100.01	Max Avg	Horizontal	154	11	122.2	-22.2	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	80 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	16.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5650.43	29.31	3.21	34.63	67.15	Max Avg	Horizontal	154	11	68.2	-1.1	Pass
#2	5725.00	54.42	3.17	34.72	92.31	Max Avg	Horizontal	154	11	122.2	-29.9	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	10 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	23	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	72.49	3.20	34.96	110.65	Max Avg	Horizontal	154	11	122.2	-11.55	Pass
#3	5929.60	29.38	3.18	35.11	67.67	Max Avg	Horizontal	154	11	68.2	-0.53	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	20 MHz
Antenna Gain (dBi):	10.0	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	63.52	3.20	34.96	101.68	Max Avg	Horizontal	152	16	122.2	-20.52	Pass
#3	5927.29	29.42	3.19	35.11	67.72	Max Avg	Horizontal	152	16	68.2	-0.48	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	40 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	21.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	64.26	3.20	34.96	102.42	Max Avg	Horizontal	152	16	122.2	-19.72	Pass
#3	5928.68	29.87	3.18	35.11	68.16	Max Avg	Horizontal	152	16	68.2	-0.04	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9401-5007	Variant:	80 Mhz
Antenna Gain (dBi):	10.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	18	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	56.99	3.20	34.96	95.15	Max Avg	Horizontal	152	16	122.2	-27.05	Pass
#3	5940.20	29.76	3.21	35.12	68.09	Max Avg	Horizontal	152	16	68.2	-0.11	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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9.1.2.12. RADWIN Ltd. RW-9402-5004

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. RW-9402-5004		Band-Edge Freq	Limit 68.2dBµV/m	Limit 122.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5730.00	5725.00	68.14	119.20	22
20 MHz	5735.00	5725.00	67.87	112.01	22
40 Mhz	5745.00	5725.00	65.77	101.60	21
80 Mhz	5765.00	5725.00	67.74	90.51	16.5

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. RW-9402-5004		Band-Edge Freq	Limit 122.2dBµV/m	Limit 68.2dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
10 Mhz	5845.00	5850.00	117.20	66.61	28
20 MHz	5840.00	5850.00	110.42	66.02	28
40 Mhz	5830.00	5850.00	100.32	68.11	24
80 Mhz	5810.00	5850.00	94.51	67.10	18

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	10 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5610.03	30.28	3.21	34.65	68.14	Max Avg	Vertical	199	9	68.2	-0.1	Pass
#2	5725.00	81.31	3.17	34.72	119.20	Max Avg	Vertical	199	9	122.2	-3.0	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	20 MHz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	22	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5644.30	30.05	3.19	34.63	67.87	Max Avg	Vertical	200	4	68.2	-0.4	Pass
#2	5725.00	74.12	3.17	34.72	112.01	Max Avg	Vertical	200	4	122.2	-10.2	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	40 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	21	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5632.76	27.92	3.21	34.64	65.77	Max Avg	Vertical	200	4	68.2	-2.5	Pass
#2	5725.00	63.71	3.17	34.72	101.60	Max Avg	Vertical	200	4	122.2	-20.6	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	80 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	6.00 MBit/s
Power Setting:	16.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5643.94	29.92	3.19	34.63	67.74	Max Avg	Vertical	200	4	68.2	-0.5	Pass
#2	5725.00	52.62	3.17	34.72	90.51	Max Avg	Vertical	200	4	122.2	-31.7	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	10 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5850.00	79.04	3.20	34.96	117.20	Max Avg	Vertical	200	8	122.2	-5.0	Pass
#3	5929.14	28.32	3.18	35.11	66.61	Max Avg	Vertical	200	8	68.2	-1.6	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	20 MHz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	28	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5850.00	72.26	3.20	34.96	110.42	Max Avg	Vertical	200	8	122.2	-11.78	Pass
#3	5942.97	27.68	3.22	35.12	66.02	Max Avg	Vertical	200	8	68.2	-2.2	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	40 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	24	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	62.16	3.20	34.96	100.32	Max Avg	Vertical	200	4	122.2	-21.88	Pass
#3	5930.06	29.82	3.18	35.11	68.11	Max Avg	Vertical	200	4	68.2	-0.1	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9402-5004	Variant:	80 Mhz
Antenna Gain (dBi):	12.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	18	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	56.35	3.20	34.96	94.51	Max Avg	Vertical	200	4	122.2	-27.69	Pass
#3	5927.29	28.80	3.19	35.11	67.10	Max Avg	Vertical	200	4	68.2	-1.1	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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9.1.2.13. RADWIN Ltd. RW-9531-5002

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. RW-9531-5002		Band-Edge Freq	Limit 110.0dB μ V/m	Limit 122.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5730.00	5725.00	61.21	101.70	9.0
20 MHz	5735.00	5725.00	63.19	100.32	9.0
40 Mhz	5745.00	5725.00	77.66	91.74	9.0
80 Mhz	5765.00	5725.00	76.57	91.66	9.0

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. RW-9531-5002		Band-Edge Freq	Limit 122.2dB μ V/m	Limit 68.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5845.00	5850.00	114.04	67.88	20
20 MHz	5840.00	5850.00	107.95	68.13	21
40 Mhz	5830.00	5850.00	102.53	66.87	20.5
80 Mhz	5810.00	5850.00	96.02	67.66	17

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	10 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	9.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5656.20	23.36	3.21	34.64	61.21	Max Avg	Vertical	184	4	72.6	-11.4	Pass
#2	5725.00	63.81	3.17	34.72	101.70	Max Avg	Vertical	184	4	122.2	-20.5	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	20 MHz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	9.0	Tested By:	SB

Test Measurement Results

5600.00 - 57780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5648.27	25.36	3.20	34.63	63.19	Max Avg	Horizontal	184	4	68.2	-5.0	Pass
#2	5725.00	62.43	3.17	34.72	100.32	Max Avg	Horizontal	184	4	122.2	-21.9	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	40 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	9.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5717.53	39.77	3.18	34.71	77.66	Max Avg	Horizontal	175	4	110.2	-32.6	Pass
#2	5725.00	53.85	3.17	34.72	91.74	Max Avg	Horizontal	175	4	122.2	-30.5	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	80 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	6.00 MBit/s
Power Setting:	9.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5714.28	38.68	3.19	34.70	76.57	Max Avg	Horizontal	175	4	109.1	-32.6	Pass
#2	5725.00	53.77	3.17	34.72	91.66	Max Avg	Horizontal	175	4	122.2	-30.5	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	10 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	20	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	75.88	3.20	34.96	114.04	Max Avg	Horizontal	175	4	122.2	-8.16	Pass
#3	5936.05	29.57	3.20	35.11	67.88	Max Avg	Horizontal	175	4	68.2	-0.32	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	20 MHz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	21	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5850.00	69.79	3.20	34.96	107.95	Max Avg	Horizontal	175	4	122.2	-14.25	Pass
#3	5984.45	29.70	3.23	35.20	68.13	Max Avg	Horizontal	175	4	68.2	-0.07	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	40 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	20.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	64.37	3.20	34.96	102.53	Max Avg	Horizontal	175	4	122.2	-19.67	Pass
#3	5936.51	28.56	3.20	35.11	66.87	Max Avg	Horizontal	175	4	68.2	-1.33	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9531-5002	Variant:	80 Mhz
Antenna Gain (dBi):	17.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	17	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	57.86	3.20	34.96	96.02	Max Avg	Horizontal	175	4	122.2	-26.18	Pass
#3	5933.29	29.36	3.19	35.11	67.66	Max Avg	Horizontal	175	4	68.2	-0.54	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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9.1.2.14. RADWIN Ltd. RW-9314-5158

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5725 MHz Radiated Lower Band-Edge Emissions

RADWIN Ltd. RW-9314-5158		Band-Edge Freq	Limit 110.8dB μ V/m	Limit 122.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5730.00	5725.00	76.89	115.14	19.0
20 MHz	5735.00	5725.00	66.66	112.41	19.0
40 Mhz	5745.00	5725.00	66.80	104.56	19.0
80 Mhz	5765.00	5725.00	68.01	98.00	15.5

5850 MHz Radiated Higher Band-Edge Emissions

RADWIN Ltd. RW-9314-5158		Band-Edge Freq	Limit 122.2dB μ V/m	Limit 68.2dB μ V/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dB μ V/m	dB μ V/m	
10 Mhz	5845.00	5850.00	117.94	64.17	24.5
20 MHz	5840.00	5850.00	107.51	64.37	24.5
40 Mhz	5830.00	5850.00	102.24	66.85	24.5
80 Mhz	5810.00	5850.00	95.40	67.35	21.0

Click on the links to view the data.

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	10 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5730.00	Data Rate:	6.00 MBit/s
Power Setting:	19.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5713.92	39.00	3.19	34.70	76.89	Max Avg	Vertical	185	1	109.1	-32.2	Pass
#2	5725.00	77.25	3.17	34.72	115.14	Max Avg	Vertical	185	1	122.2	-7.1	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	20 MHz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5735.00	Data Rate:	6.00 MBit/s
Power Setting:	19.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5643.58	28.84	3.19	34.63	66.66	Max Avg	Horizontal	185	1	68.2	-1.6	Pass
#2	5725.00	74.52	3.17	34.72	112.41	Max Avg	Horizontal	185	1	122.2	-9.8	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	40 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5745.00	Data Rate:	6.00 MBit/s
Power Setting:	19.0	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5643.58	28.98	3.19	34.63	66.80	Max Avg	Horizontal	185	1	68.2	-1.4	Pass
#2	5725.00	66.67	3.17	34.72	104.56	Max Avg	Horizontal	185	1	122.2	-17.6	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	80 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5765.00	Data Rate:	6.00 MBit/s
Power Setting:	15.5	Tested By:	SB

Test Measurement Results

5600.00 - 5780.00 MHz

Num	Frequency MHz	Raw dB μ V	Cable Loss dB	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
#1	5642.86	30.20	3.18	34.63	68.01	Max Avg	Horizontal	185	1	68.2	-0.2	Pass
#2	5725.00	60.11	3.17	34.72	98.00	Max Avg	Horizontal	185	1	122.2	-24.2	Pass
#3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	10 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5845.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	79.78	3.20	34.96	117.94	Max Avg	Vertical	185	6	122.2	-4.26	Pass
#3	5993.21	25.72	3.23	35.22	64.17	Max Avg	Vertical	185	6	68.2	-4.03	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	20 MHz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5840.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	69.35	3.20	34.96	107.51	Max Avg	Vertical	185	6	122.2	-14.69	Pass
#3	5924.53	26.07	3.19	35.11	64.37	Max Avg	Vertical	185	6	68.2	-3.83	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	40 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5830.00	Data Rate:	6.00 MBit/s
Power Setting:	24.5	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	64.08	3.20	34.96	102.24	Max Avg	Vertical	185	1	122.2	-19.96	Pass
#3	5925.45	28.55	3.19	35.11	66.85	Max Avg	Vertical	185	1	68.2	-1.35	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions

Antenna:	RADWIN Ltd. RW-9314-5158	Variant:	80 Mhz
Antenna Gain (dBi):	14.00	Modulation:	QPSK
Beam Forming Gain (Y):	Not Applicable	Duty Cycle (%):	99
Channel Frequency (MHz):	5810.00	Data Rate:	6.00 MBit/s
Power Setting:	21	Tested By:	SB

Test Measurement Results

5770.00 - 6000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5850.00	57.24	3.20	34.96	95.40	Max Avg	Horizontal	185	1	122.2	-26.80	Pass
#3	5931.44	29.06	3.18	35.11	67.35	Max Avg	Horizontal	185	1	68.2	-0.9	Pass
#2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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A. APPENDIX - GRAPHICAL IMAGES

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A.1. Radiated

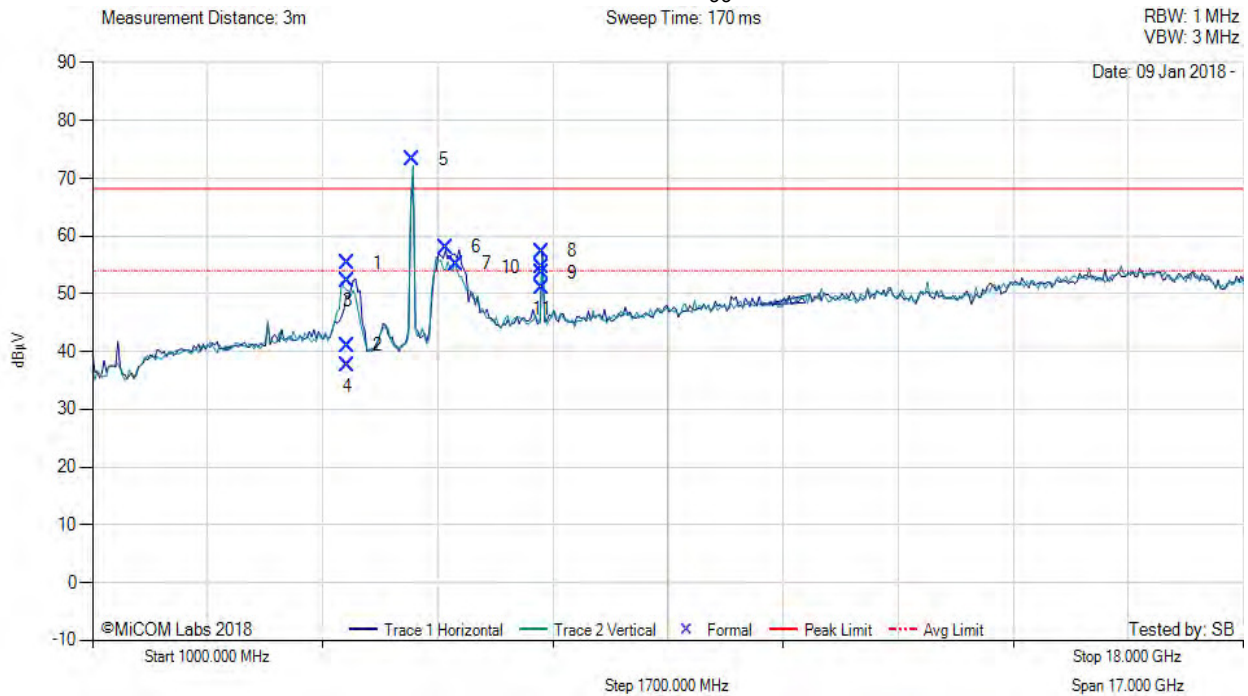
A.1.1. TX Spurious & Restricted Band Emissions

A.1.1.1. RADWIN Ltd. AT0058760



TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 19.0, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4762.83	64.75	2.96	-12.40	55.31	Max Peak	Vertical	161	344	68.2	-12.9	Pass
2	4762.83	50.50	2.96	-12.40	41.06	Max Avg	Vertical	161	344	54.0	-12.9	Pass
3	4762.83	61.72	2.96	-12.40	52.28	Max Peak	Horizontal	152	7	68.2	-16.0	Pass
4	4762.83	47.02	2.96	-12.40	37.58	Max Avg	Horizontal	152	7	54.0	-16.4	Pass
5	5727.70	81.03	3.17	-10.93	73.27	Fundamental	Vertical	151	0	--	--	
6	6223.73	64.20	3.21	-9.34	58.07	Peak (NRB)	Horizontal	151	0	--	--	Pass
7	6371.86	61.20	3.19	-9.17	55.22	Peak (NRB)	Vertical	151	0	--	--	Pass
8	7639.97	60.95	3.71	-7.31	57.35	Max Peak	Horizontal	179	33	68.2	-10.9	Pass
9	7639.97	57.30	3.71	-7.31	53.70	Max Avg	Horizontal	179	33	54.0	-0.3	Pass
10	7640.04	58.27	3.71	-7.32	54.66	Max Peak	Vertical	98	3	68.2	-13.6	Pass
11	7640.04	54.61	3.71	-7.32	51.00	Max Avg	Vertical	98	3	54.0	-3.0	Pass

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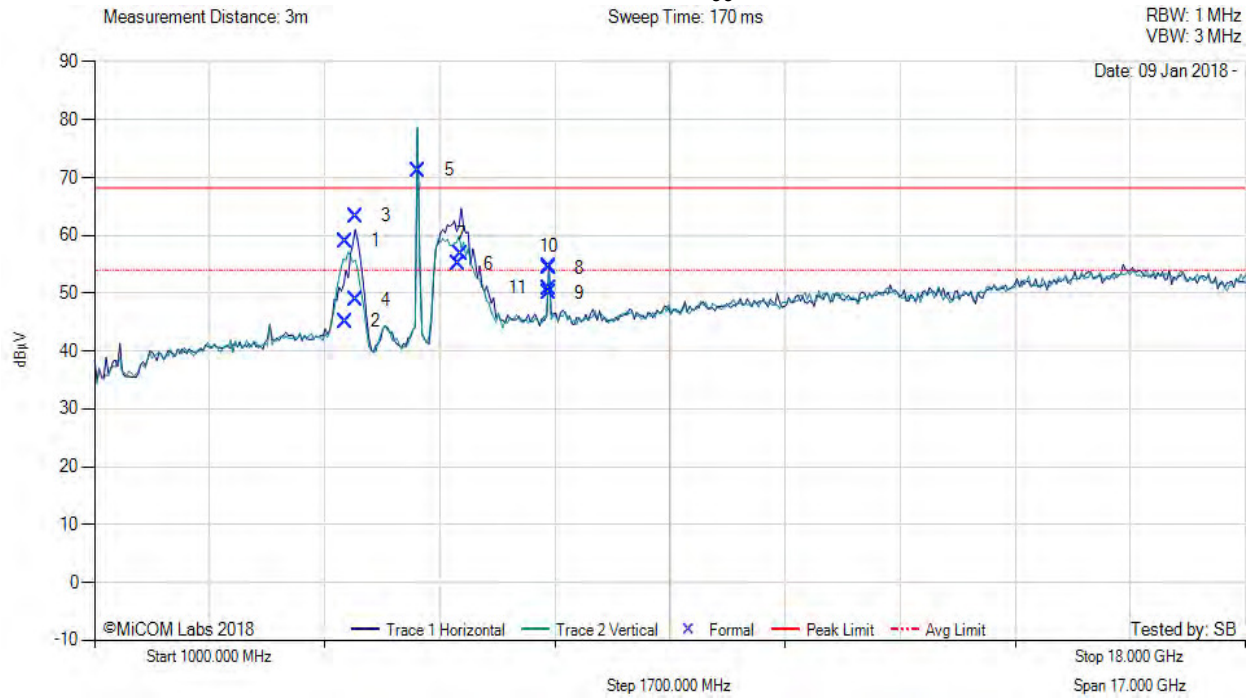


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 24.5, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4699.44	68.48	2.94	-12.38	59.04	Max Peak	Vertical	142	0	68.2	-9.2	Pass
2	4699.44	54.54	2.94	-12.38	45.10	Max Avg	Vertical	142	0	54.0	-8.9	Pass
3	4856.31	72.65	3.04	-12.39	63.30	Max Peak	Horizontal	172	9	68.2	-4.9	Pass
4	4856.31	58.27	3.04	-12.39	48.92	Max Avg	Horizontal	172	9	54.0	-5.1	Pass
5	5784.58	78.84	3.21	-10.78	71.27	Fundamental	Vertical	100	0	--	--	
6	6364.93	60.91	3.24	-9.14	55.01	Peak (NRB)	Vertical	100	0	--	--	Pass
7	6407.70	62.76	3.17	-9.22	56.71	Peak (NRB)	Horizontal	100	0	--	--	Pass
8	7715.87	57.77	3.76	-7.21	54.32	Max Peak	Vertical	197	3	68.2	-13.9	Pass
9	7715.87	53.51	3.76	-7.21	50.06	Max Avg	Vertical	197	3	54.0	-3.9	Pass
10	7716.02	58.02	3.76	-7.20	54.58	Max Peak	Horizontal	153	354	68.2	-13.7	Pass
11	7716.02	54.28	3.76	-7.20	50.84	Max Avg	Horizontal	153	354	54.0	-3.2	Pass

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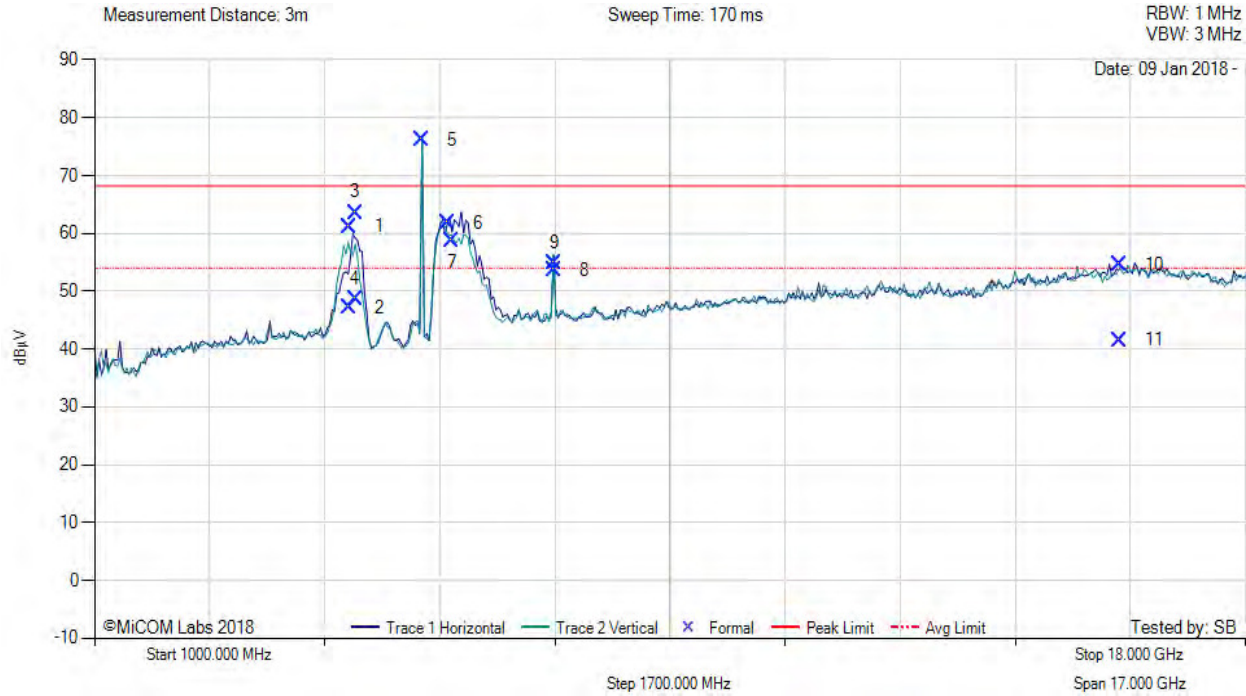


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 15.0, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4762.71	70.66	2.96	-12.40	61.22	Max Peak	Vertical	151	350	68.2	-7.0	Pass
2	4762.71	56.54	2.96	-12.40	47.10	Max Avg	Vertical	151	350	54.0	-6.9	Pass
3	4854.65	72.93	3.04	-12.40	63.57	Max Peak	Horizontal	192	9	68.2	-4.7	Pass
4	4854.65	58.00	3.04	-12.40	48.64	Max Avg	Horizontal	192	9	54.0	-5.4	Pass
5	5841.04	83.77	3.21	-10.87	76.11	Peak (NRB)	Vertical	200	0	--	--	Pass
6	6219.56	67.82	3.22	-9.33	61.71	Peak (NRB)	Horizontal	200	0	--	--	Pass
7	6276.75	64.58	3.22	-9.13	58.67	Peak (NRB)	Vertical	200	0	--	--	Pass
8	7793.31	57.35	3.79	-7.43	53.71	Peak (NRB)	Vertical	200	0	--	--	Pass
9	7793.44	58.53	3.79	-7.43	54.89	Peak (NRB)	Horizontal	200	0	--	--	Pass
10	16133.99	49.06	5.61	-0.11	54.56	Max Peak	Horizontal	193	16	68.2	-13.7	Pass
11	16133.99	36.06	5.61	-0.11	41.56	Max Avg	Horizontal	193	16	54.0	-12.4	Pass

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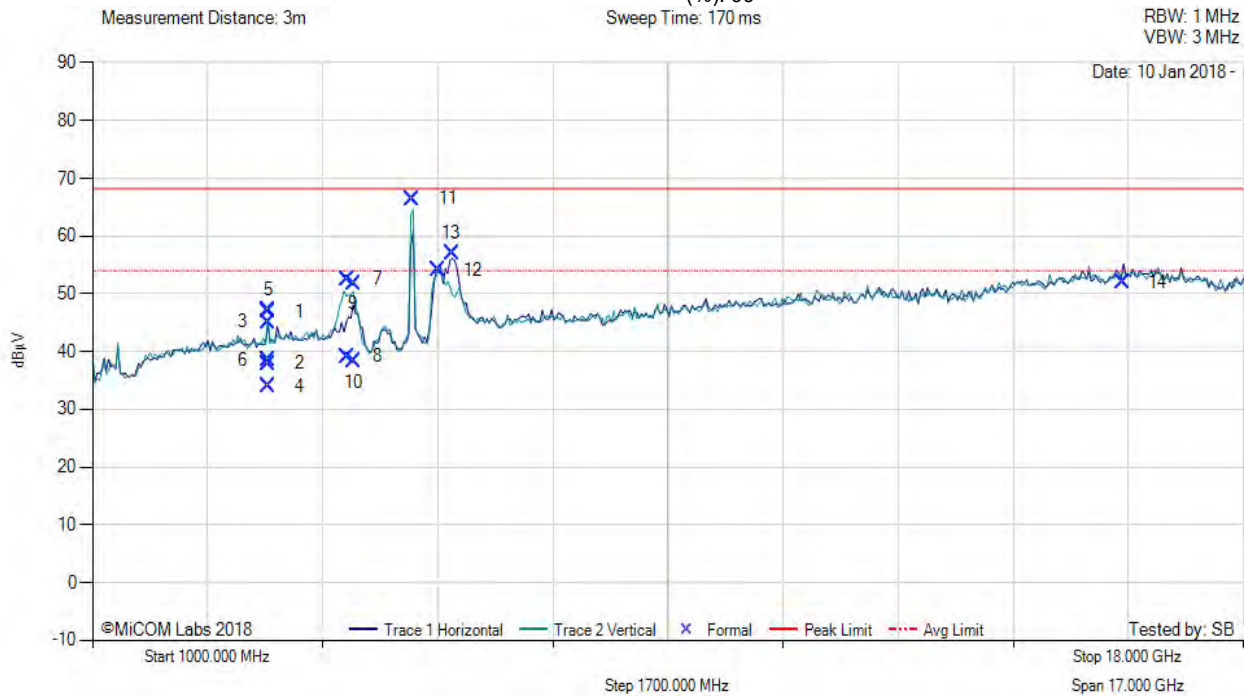


A.1.1.2. RADWIN Ltd. RW-9061-5002

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 11.5, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3600.36	56.06	2.66	-11.81	46.91	Max Peak	Horizontal	193	147	68.2	-21.3	Pass
2	3600.36	47.08	2.66	-11.81	37.93	Max Avg	Horizontal	193	147	54.0	-16.1	Pass
3	3600.36	54.31	2.66	-11.81	45.16	Max Peak	Horizontal	193	42	68.2	-23.1	Pass
4	3600.36	43.16	2.66	-11.81	34.01	Max Avg	Horizontal	193	42	54.0	-20.0	Pass
5	3600.36	56.31	2.66	-11.81	47.16	Max Peak	Vertical	153	194	68.2	-21.1	Pass
6	3600.36	47.73	2.66	-11.81	38.58	Max Avg	Vertical	153	194	54.0	-15.4	Pass
7	4766.51	62.00	2.96	-12.42	52.54	Max Peak	Vertical	138	349	68.2	-15.7	Pass
8	4766.51	48.60	2.96	-12.42	39.14	Max Avg	Vertical	138	349	54.0	-14.9	Pass
9	4854.50	61.21	3.04	-12.40	51.85	Max Peak	Horizontal	181	358	68.2	-16.4	Pass
10	4854.50	47.60	3.04	-12.40	38.24	Max Avg	Horizontal	181	358	54.0	-15.8	Pass
11	5730.57	74.17	3.18	-10.89	66.46	Fundamental	Vertical	152	0	--	--	
12	6103.89	60.64	3.24	-9.72	54.16	Peak (NRB)	Vertical	152	0	--	--	Pass
13	6306.69	62.82	3.21	-9.06	56.97	Peak (NRB)	Horizontal	152	0	--	--	Pass
14	16213.41	46.23	5.70	0.09	52.02	Peak (NRB)	Horizontal	152	0	--	--	Pass

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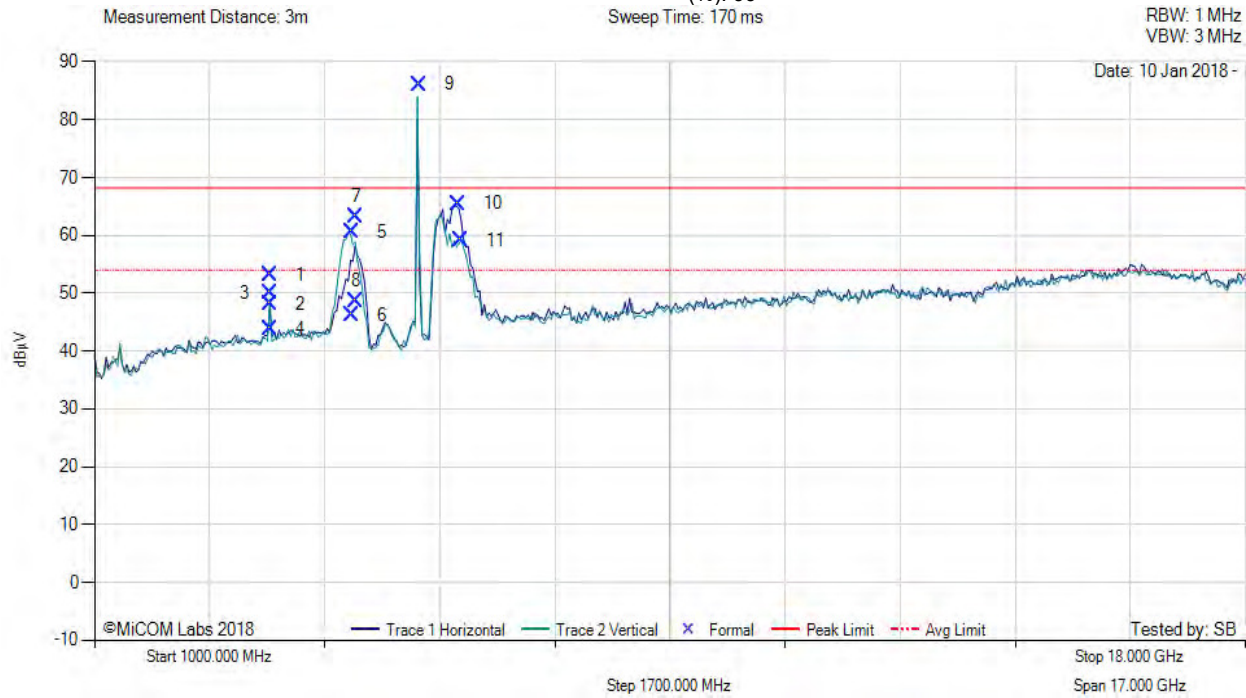


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Variant: 10 Mhz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 24.5, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3599.95	62.31	2.66	-11.80	53.17	Max Peak	Vertical	150	168	68.2	-15.1	Pass
2	3599.95	57.28	2.66	-11.80	48.14	Max Avg	Vertical	150	168	54.0	-5.9	Pass
3	3600.06	59.27	2.66	-11.81	50.12	Max Peak	Horizontal	165	166	68.2	-18.1	Pass
4	3600.06	53.04	2.66	-11.81	43.89	Max Avg	Horizontal	165	166	54.0	-10.1	Pass
5	4799.08	70.04	2.97	-12.46	60.55	Max Peak	Vertical	152	6	68.2	-7.7	Pass
6	4799.08	55.71	2.97	-12.46	46.22	Max Avg	Vertical	152	6	54.0	-7.8	Pass
7	4855.51	72.52	3.04	-12.39	63.17	Max Peak	Horizontal	167	355	68.2	-5.1	Pass
8	4855.51	57.97	3.04	-12.39	48.62	Max Avg	Horizontal	167	355	54.0	-5.4	Pass
9	5788.44	93.65	3.21	-10.78	86.08	Fundamental	Vertical	151	0	--	--	
10	6375.29	71.50	3.18	-9.15	65.53	Peak (NRB)	Horizontal	151	0	--	--	Pass
11	6412.77	65.20	3.15	-9.24	59.11	Peak (NRB)	Vertical	151	0	--	--	Pass

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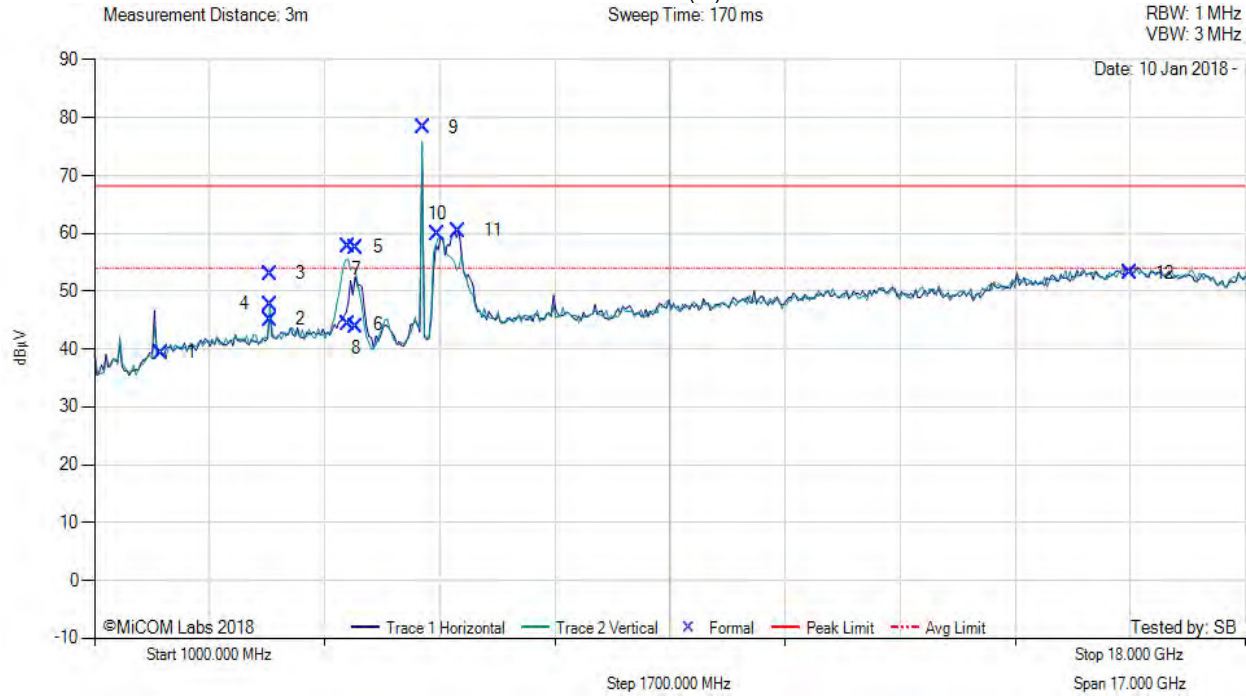


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 15, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1987.59	50.23	2.09	-12.93	39.39	Peak (NRB)	Horizontal	151	22	--	--	Pass
2	3599.89	54.27	2.66	-11.80	45.13	Peak (NRB)	Horizontal	151	49	--	--	Pass
3	3600.06	62.19	2.66	-11.81	53.04	Max Peak	Vertical	127	170	68.2	-15.2	Pass
4	3600.06	56.94	2.66	-11.81	47.79	Max Avg	Vertical	127	170	54.0	-6.2	Pass
5	4734.71	67.21	2.94	-12.40	57.75	Max Peak	Vertical	153	3	68.2	-10.5	Pass
6	4734.71	53.75	2.94	-12.40	44.29	Max Avg	Vertical	153	3	54.0	-9.7	Pass
7	4855.51	66.86	3.04	-12.39	57.51	Max Peak	Horizontal	168	356	68.2	-10.7	Pass
8	4855.51	53.12	3.04	-12.39	43.77	Max Avg	Horizontal	168	356	54.0	-10.2	Pass
9	5845.89	85.86	3.20	-10.77	78.29	Fundamental	Vertical	151	0	--	--	
10	6068.13	66.43	3.24	-9.84	59.83	Peak (NRB)	Vertical	151	0	--	--	Pass
11	6370.29	66.47	3.19	-9.17	60.49	Peak (NRB)	Horizontal	151	0	--	--	Pass
12	16296.76	48.36	5.68	-0.95	53.09	Peak (NRB)	Vertical	151	0	--	--	Pass

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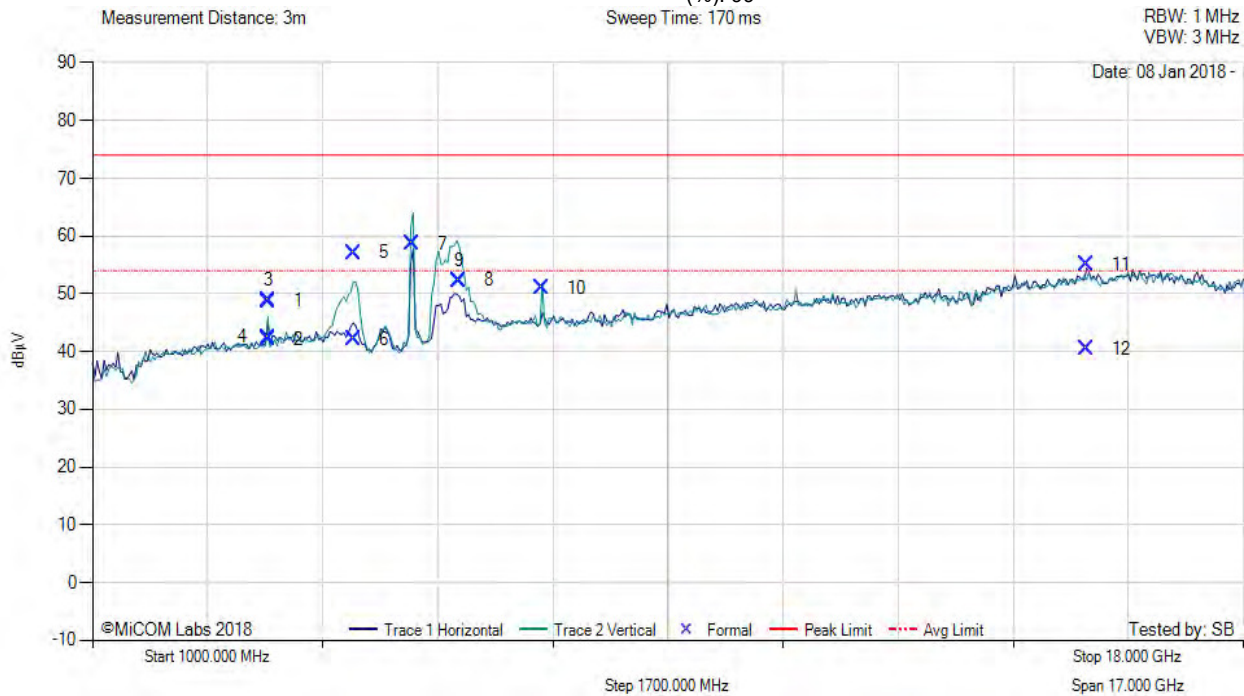
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A.1.1.3. RADWIN Ltd. RW-9401-5004

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9401-5004, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3600.01	57.85	2.66	-11.81	48.70	Max Peak	Vertical	193	228	68.2	-19.5	Pass
2	3600.01	51.28	2.66	-11.81	42.13	Max Avg	Vertical	193	228	54.0	-11.9	Pass
3	3600.01	57.98	2.66	-11.81	48.83	Max Peak	Horizontal	186	175	68.2	-19.4	Pass
4	3600.01	51.69	2.66	-11.81	42.54	Max Avg	Horizontal	186	175	54.0	-11.5	Pass
5	4856.34	66.48	3.04	-12.39	57.13	Max Peak	Vertical	176	91	68.2	-11.1	Pass
6	4856.34	51.46	3.04	-12.39	42.11	Max Avg	Vertical	176	91	54.0	-11.9	Pass
7	5726.38	66.47	3.17	-10.97	58.67	Fundamental	Vertical	200	0	--	--	
8	6406.57	58.37	3.18	-9.21	52.34	Peak (NRB)	Vertical	200	0	--	--	Pass
9	6409.90	58.20	3.16	-9.22	52.14	Peak (NRB)	Vertical	200	0	--	--	Pass
10	7639.94	54.59	3.71	-7.31	50.99	Peak (Scan)	Vertical	200	0	68.2	-17.2	Pass
11	15683.09	51.35	5.44	-1.73	55.06	Max Peak	Horizontal	172	249	68.2	-13.1	Pass
12	15683.09	36.78	5.44	-1.73	40.49	Max Avg	Horizontal	172	249	54.0	-13.5	Pass

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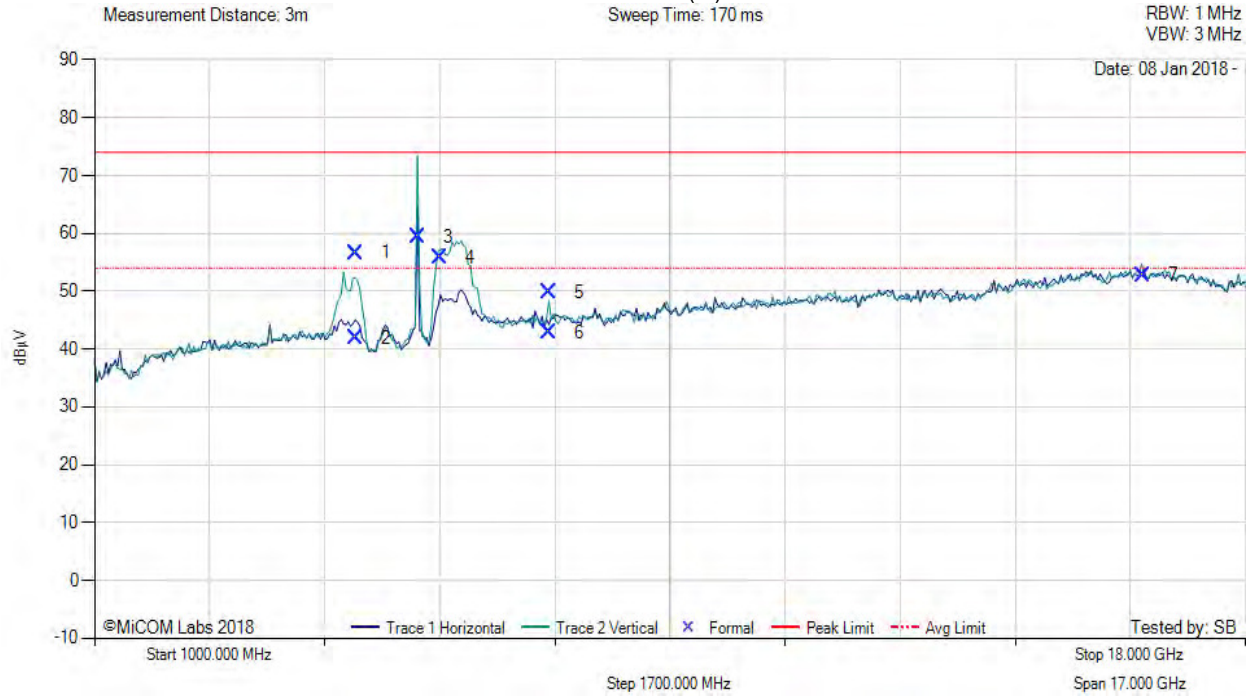


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 MHz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9401-5004, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4860.45	65.97	3.02	-12.38	56.61	Max Peak	Vertical	197	78	68.2	-11.6	Pass
2	4860.45	51.30	3.02	-12.38	41.94	Max Avg	Vertical	197	78	54.0	-12.1	Pass
3	5783.15	67.04	3.21	-10.79	59.46	Peak (NRB)	Vertical	100	0	--	--	Pass
4	6102.61	62.32	3.24	-9.76	55.80	Peak (NRB)	Vertical	200	41	--	--	Pass
5	7716.05	53.28	3.76	-7.20	49.84	Max Peak	Vertical	167	1	68.2	-18.36	Pass
6	7716.05	46.34	3.76	-7.20	42.90	Max Avg	Vertical	167	1	54.0	-11.1	Pass
7	16481.32	46.41	5.68	0.74	52.83	Peak (NRB)	Vertical	200	41	--	--	Pass

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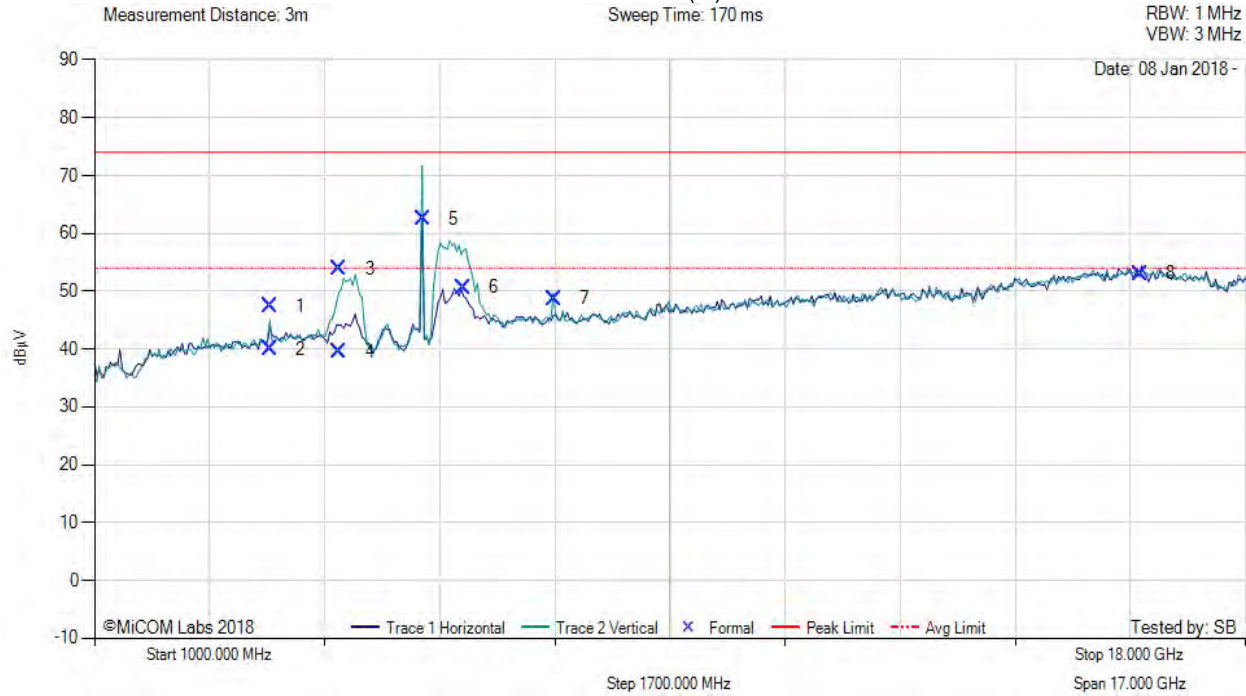


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Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9401-5004, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3600.17	56.57	2.66	-11.81	47.42	Max Peak	Vertical	190	228	68.2	-20.8	Pass
2	3600.17	49.12	2.66	-11.81	39.97	Max Avg	Vertical	190	228	54.0	-14.0	Pass
3	4616.67	62.90	2.94	-11.91	53.93	Max Peak	Vertical	198	160	68.2	-14.27	Pass
4	4616.67	48.53	2.94	-11.91	39.56	Max Avg	Vertical	198	160	54.0	-14.4	Pass
5	5849.19	69.94	3.20	-10.66	62.48	Peak (NRB)	Vertical	200	0	--	--	Pass
6	6448.82	56.59	3.14	-9.07	50.66	Peak (NRB)	Vertical	200	0	--	--	Pass
7	7793.38	52.38	3.79	-7.43	48.74	Peak (NRB)	Vertical	200	0	--	--	Pass
8	16447.37	47.22	5.65	0.19	53.06	Peak (NRB)	Horizontal	200	0	--	--	Pass

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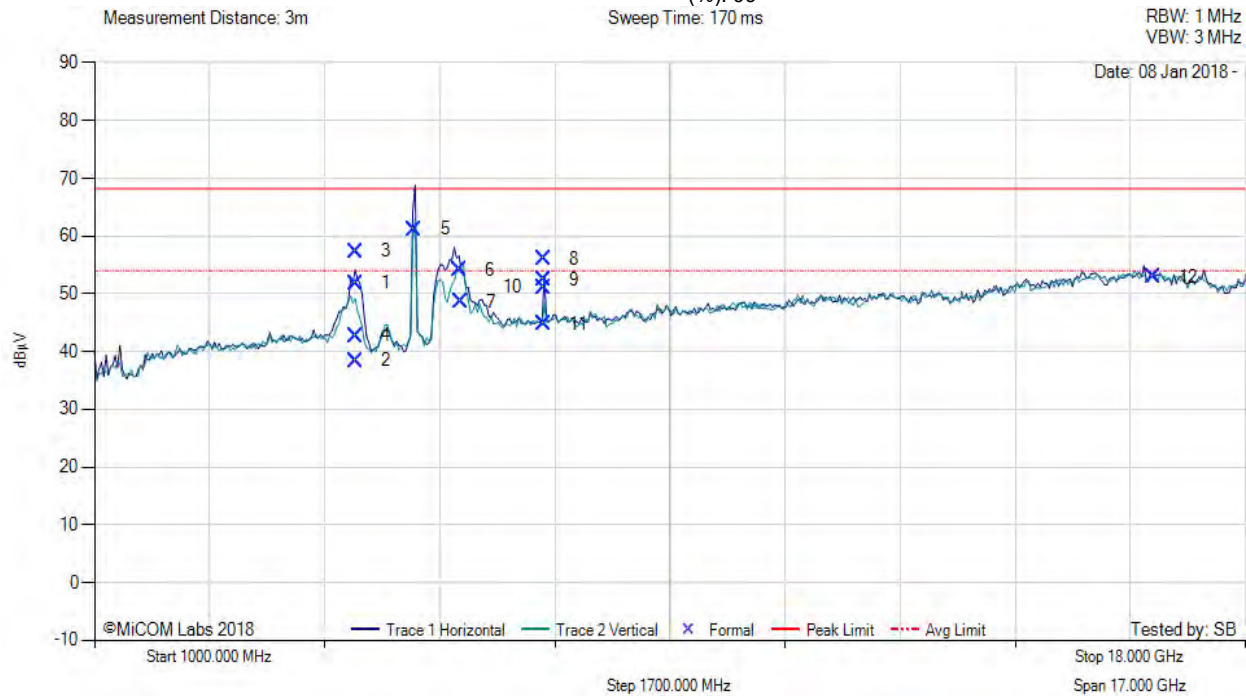
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A.1.1.4. RADWIN Ltd. RW-9401-5007

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4856.10	61.20	3.04	-12.39	51.85	Max Peak	Vertical	180	141	68.2	-16.4	Pass
2	4856.10	47.79	3.04	-12.39	38.44	Max Avg	Vertical	180	141	54.0	-15.6	Pass
3	4859.64	66.74	3.02	-12.38	57.38	Max Peak	Horizontal	195	161	68.2	-10.9	Pass
4	4859.64	52.07	3.02	-12.38	42.71	Max Avg	Horizontal	195	161	54.0	-11.3	Pass
5	5728.25	68.95	3.17	-10.93	61.19	Fundamental	Horizontal	200	0	--	--	
6	6384.29	60.01	3.20	-9.16	54.05	Peak (NRB)	Horizontal	200	0	--	--	Pass
7	6405.81	54.59	3.18	-9.21	48.56	Peak (NRB)	Vertical	200	0	--	--	Pass
8	7640.12	59.69	3.71	-7.32	56.08	Max Peak	Horizontal	189	210	68.2	-12.2	Pass
9	7640.12	56.05	3.71	-7.32	52.44	Max Avg	Horizontal	189	210	54.0	-1.6	Pass
10	7640.12	54.76	3.71	-7.32	51.15	Max Peak	Vertical	195	57	68.2	-17.1	Pass
11	7640.12	48.32	3.71	-7.32	44.71	Max Avg	Vertical	195	57	54.0	-9.3	Pass
12	16632.93	46.14	5.61	1.21	52.96	Peak (NRB)	Horizontal	200	23	--	--	Pass

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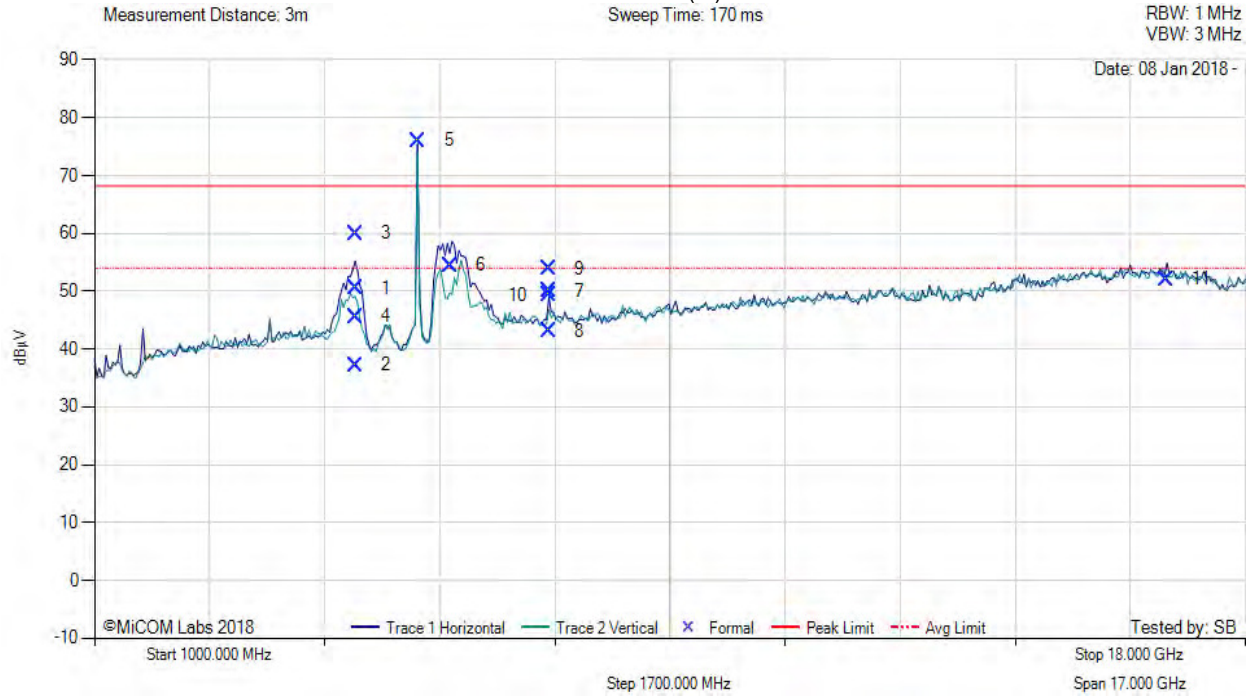


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Variant: 10 MHz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4854.77	59.92	3.04	-12.40	50.56	Max Peak	Vertical	160	326	68.2	-17.7	Pass
2	4854.77	46.55	3.04	-12.40	37.19	Max Avg	Vertical	160	326	54.0	-16.8	Pass
3	4854.77	69.39	3.04	-12.40	60.03	Max Peak	Horizontal	186	244	68.2	-8.2	Pass
4	4854.77	54.98	3.04	-12.40	45.62	Max Avg	Horizontal	186	244	54.0	-8.4	Pass
5	5784.47	83.64	3.21	-10.79	76.06	Fundamental	Horizontal	151	0	--	--	
6	6259.56	60.57	3.21	-9.34	54.44	Peak (NRB)	Horizontal	151	0	--	--	Pass
7	7716.01	53.42	3.76	-7.20	49.98	Max Peak	Vertical	158	244	68.2	-18.3	Pass
8	7716.01	46.48	3.76	-7.20	43.04	Max Avg	Vertical	158	244	54.0	-11.0	Pass
9	7716.01	57.38	3.76	-7.20	53.94	Max Peak	Horizontal	172	297	68.2	-14.3	Pass
10	7716.01	52.77	3.76	-7.20	49.33	Max Avg	Horizontal	172	297	54.0	-4.7	Pass
11	16831.71	47.05	5.69	-0.68	52.06	Peak (NRB)	Horizontal	151	0	--	--	Pass

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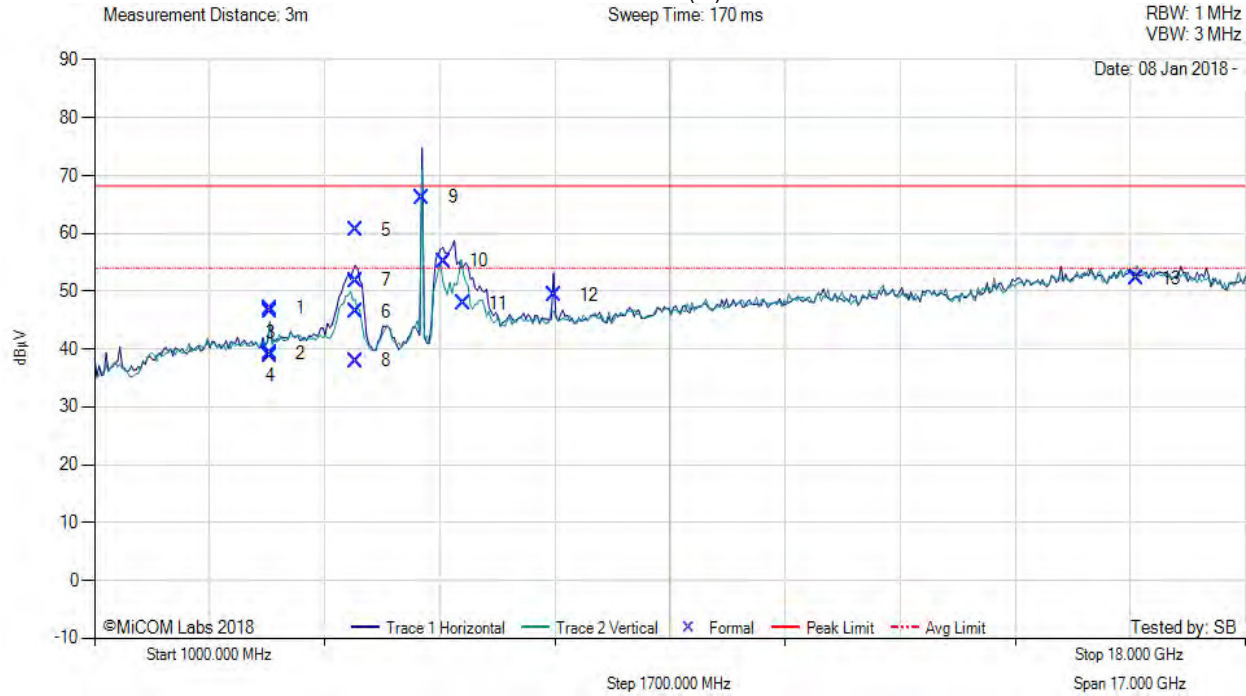


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Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3599.82	56.17	2.66	-11.80	47.03	Max Peak	Horizontal	167	200	68.2	-21.2	Pass
2	3599.82	48.39	2.66	-11.80	39.25	Max Avg	Horizontal	167	200	54.0	-14.8	Pass
3	3600.14	55.66	2.66	-11.81	46.51	Max Peak	Vertical	157	246	68.2	-21.7	Pass
4	3600.14	48.05	2.66	-11.81	38.90	Max Avg	Vertical	157	246	54.0	-15.1	Pass
5	4858.08	69.90	3.03	-12.39	60.54	Max Peak	Horizontal	191	242	68.2	-7.7	Pass
6	4858.08	55.80	3.03	-12.39	46.44	Max Avg	Horizontal	191	242	54.0	-7.6	Pass
7	4860.94	61.21	3.02	-12.38	51.85	Max Peak	Vertical	190	143	68.2	-16.4	Pass
8	4860.94	47.35	3.02	-12.38	37.99	Max Avg	Vertical	190	143	54.0	-16.0	Pass
9	5842.14	73.87	3.21	-10.84	66.24	Peak (NRB)	Horizontal	200	0	--	--	Pass
10	6157.84	61.47	3.24	-9.48	55.23	Peak (NRB)	Horizontal	200	0	--	--	Pass
11	6445.29	53.79	3.15	-9.04	47.90	Peak (NRB)	Vertical	200	0	--	--	Pass
12	7793.14	52.97	3.79	-7.43	49.33	Peak (NRB)	Horizontal	166	0	--	--	Pass
13	16385.96	47.43	5.63	-0.83	52.23	Peak (NRB)	Vertical	200	0	--	--	Pass

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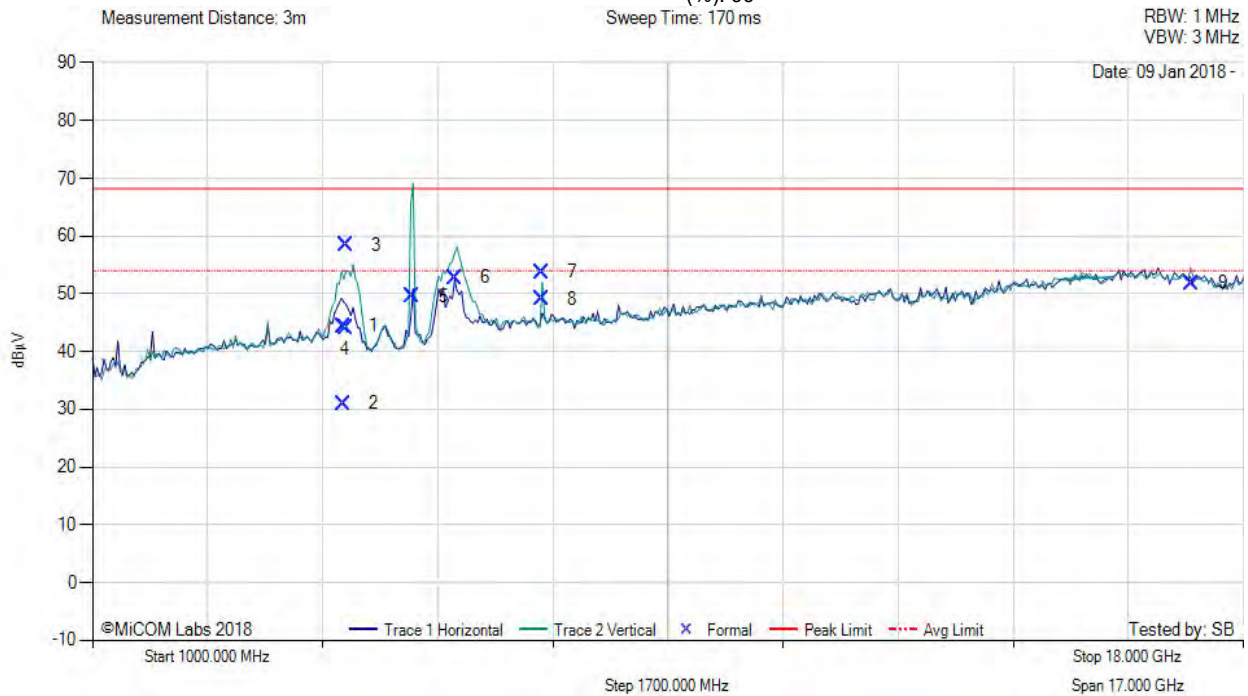


A.1.1.5. RADWIN Ltd. RW-9402-5004

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 28, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4702.89	53.84	2.94	-12.36	44.42	Max Peak	Horizontal	105	230	68.2	-23.8	Pass
2	4702.89	40.41	2.94	-12.36	30.99	Max Avg	Horizontal	105	230	54.0	-23.0	Pass
3	4735.51	67.85	2.94	-12.40	58.39	Max Peak	Vertical	118	294	68.2	-9.8	Pass
4	4735.51	53.46	2.94	-12.40	44.00	Max Avg	Vertical	118	294	54.0	-10.0	Pass
5	5727.15	57.33	3.16	-10.94	49.55	Fundamental	Vertical	100	0	--	--	
6	6357.19	58.58	3.31	-9.06	52.83	Peak (NRB)	Vertical	100	0	--	--	Pass
7	7640.14	57.37	3.71	-7.32	53.76	Max Peak	Vertical	101	313	68.2	-14.5	Pass
8	7640.14	52.69	3.71	-7.32	49.08	Max Avg	Vertical	101	313	54.0	-4.9	Pass
9	17240.79	47.70	5.78	-1.62	51.86	Peak (NRB)	Vertical	100	0	--	--	Pass

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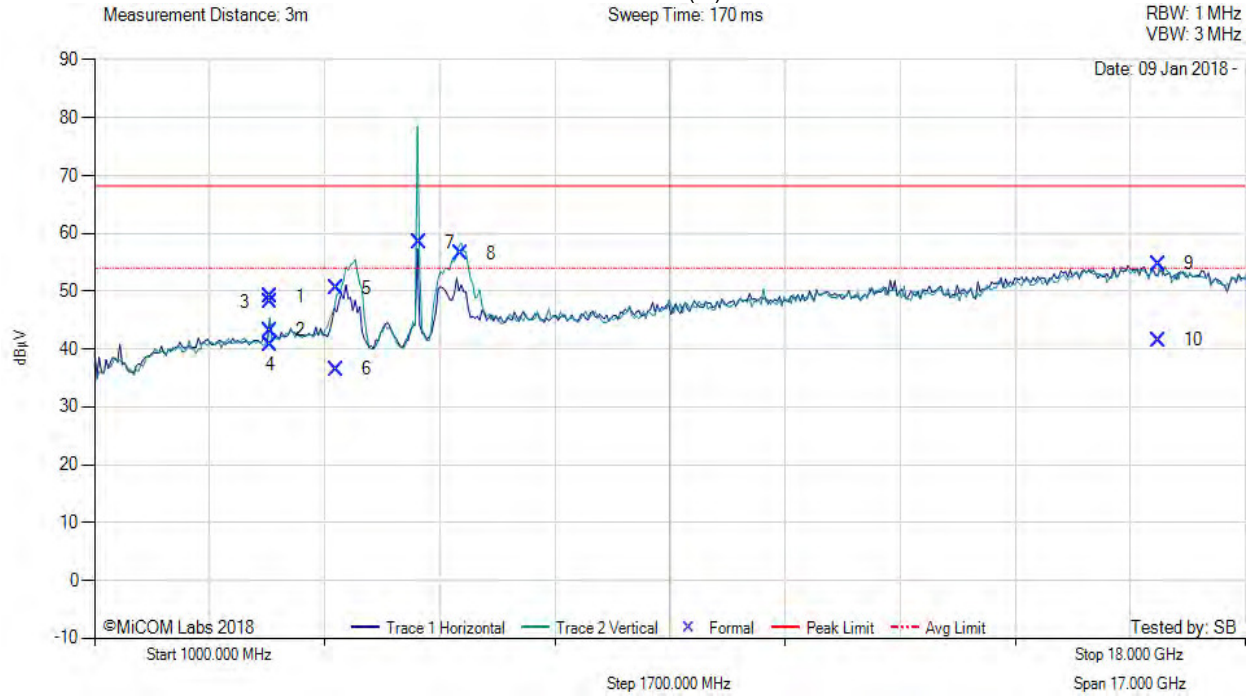


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Variant: 10 Mhz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 28, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3600.07	58.24	2.66	-11.81	49.09	Max Peak	Vertical	195	210	68.2	-19.1	Pass
2	3600.07	52.39	2.66	-11.81	43.24	Max Avg	Vertical	195	210	54.0	-10.8	Pass
3	3600.15	57.34	2.66	-11.81	48.19	Max Peak	Horizontal	190	185	68.2	-20.0	Pass
4	3600.15	49.98	2.66	-11.81	40.83	Max Avg	Horizontal	190	185	54.0	-13.2	Pass
5	4562.24	59.46	2.93	-11.92	50.47	Max Peak	Vertical	108	179	68.2	-17.8	Pass
6	4562.24	45.48	2.93	-11.92	36.49	Max Avg	Vertical	108	179	54.0	-17.5	Pass
7	5790.65	66.06	3.20	-10.80	58.46	Fundamental	Vertical	100	0	--	--	
8	6412.55	62.61	3.15	-9.24	56.52	Peak (NRB)	Vertical	200	0	--	--	Pass
9	16713.19	48.32	5.66	0.76	54.74	Max Peak	Vertical	170	62	68.2	-13.5	Pass
10	16713.19	35.08	5.66	0.76	41.50	Max Avg	Vertical	170	62	54.0	-12.5	Pass

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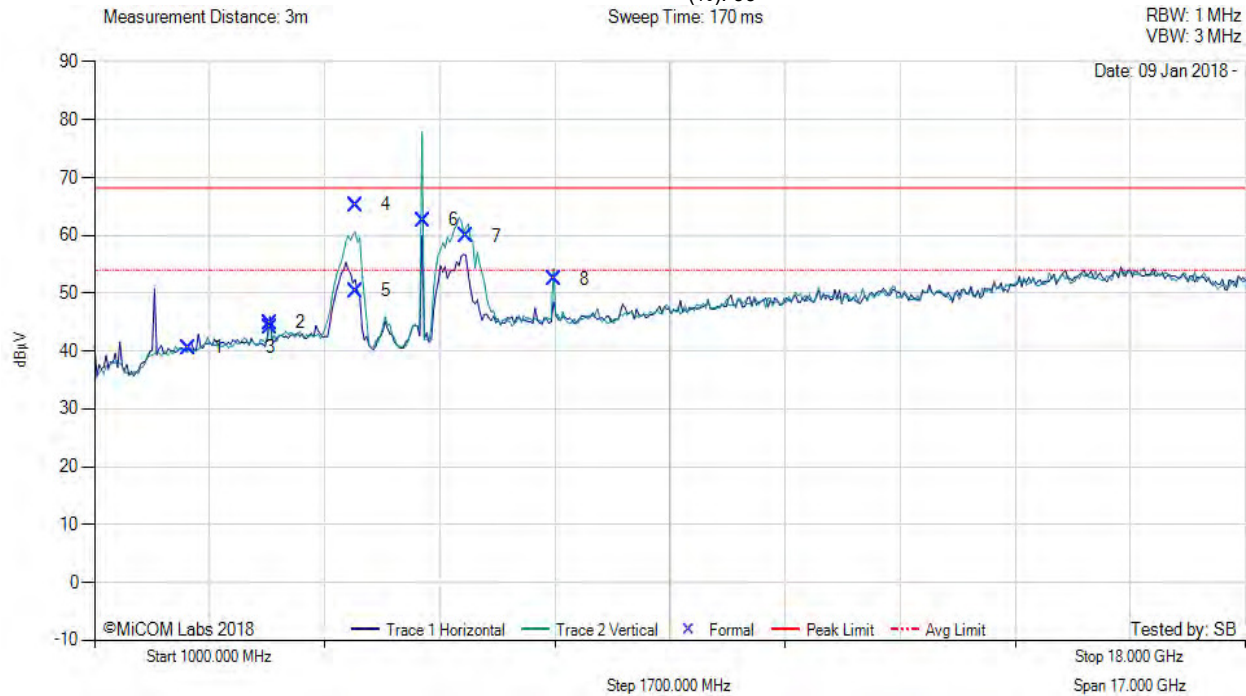


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 28, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2390.96	50.77	2.26	-12.44	40.59	Peak (NRB)	Horizontal	194	0	--	--	Pass
2	3599.79	54.00	2.66	-11.80	44.86	Peak (NRB)	Horizontal	194	0	--	--	Pass
3	3599.87	53.35	2.66	-11.80	44.21	Peak (NRB)	Vertical	194	0	--	--	Pass
4	4858.08	74.64	3.03	-12.39	65.28	Max Peak	Vertical	154	120	68.2	-3.0	Pass
5	4858.08	59.74	3.03	-12.39	50.38	Max Avg	Vertical	154	120	54.0	-3.6	Pass
6	5847.54	70.11	3.20	-10.71	62.60	Fundamental	Vertical	100	0	--	--	
7	6481.12	65.62	3.14	-8.93	59.83	Peak (NRB)	Vertical	151	0	--	--	Pass
8	7793.47	56.02	3.79	-7.43	52.38	Peak (NRB)	Vertical	194	0	--	--	Pass

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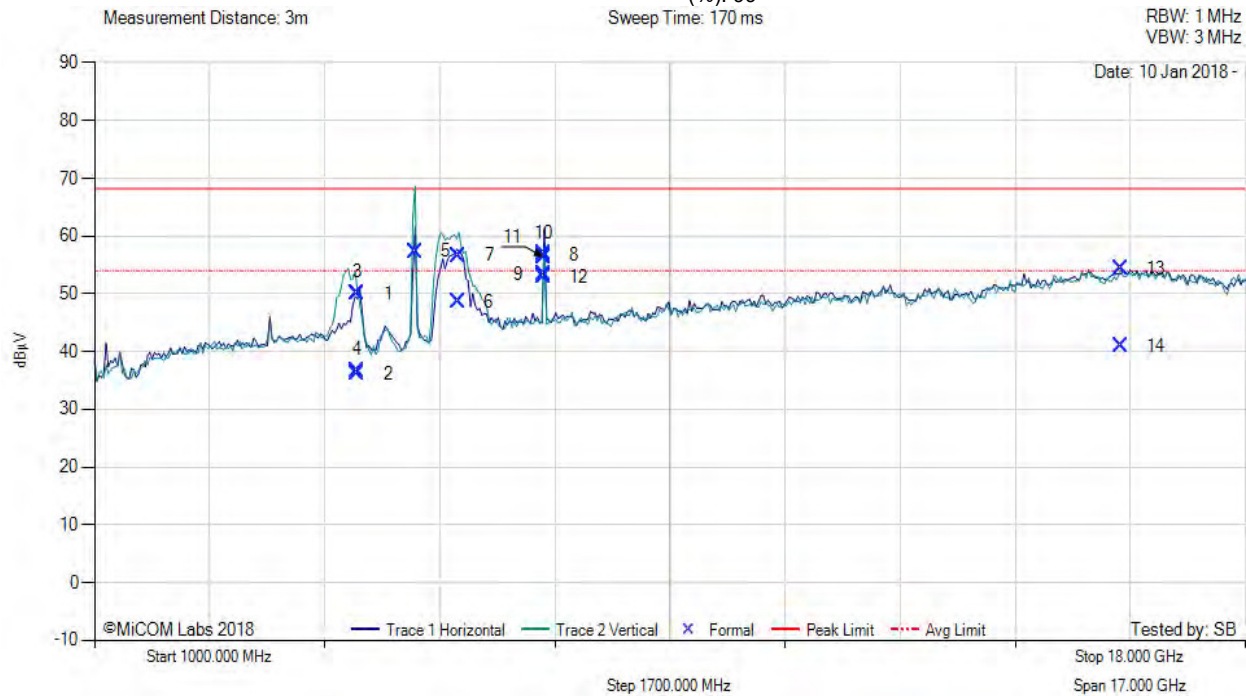
Title: Radwin AP0168031
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A.1.1.6. RADWIN Ltd. RW-9531-5002

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 13.0, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4887.40	59.45	3.01	-12.46	50.00	Max Peak	Vertical	148	28	68.2	-18.2	Pass
2	4887.40	45.57	3.01	-12.46	36.12	Max Avg	Vertical	148	28	54.0	-17.9	Pass
3	4887.40	59.58	3.01	-12.46	50.13	Max Peak	Horizontal	183	4	68.2	-18.1	Pass
4	4887.40	46.22	3.01	-12.46	36.77	Max Avg	Horizontal	183	4	54.0	-17.2	Pass
5	5733.21	65.05	3.18	-10.86	57.37	Fundamental	Vertical	176	5	--	--	
6	6367.39	54.58	3.20	-9.15	48.63	Peak (NRB)	Vertical	176	5	--	--	Pass
7	6381.76	62.53	3.19	-9.13	56.59	Peak (NRB)	Horizontal	176	5	--	--	Pass
8	7639.91	60.20	3.71	-7.31	56.60	Max Peak	Horizontal	192	4	68.2	-11.6	Pass
9	7639.91	56.98	3.71	-7.31	53.38	Max Avg	Horizontal	192	4	54.0	-0.6	Pass
10	7640.04	60.57	3.71	-7.32	56.96	Peak (Scan)	Horizontal	182	4	68.2	-11.3	Pass
11	7640.15	59.95	3.71	-7.32	56.34	Max Peak	Vertical	162	355	68.2	-11.9	Pass
12	7640.15	56.55	3.71	-7.32	52.94	Max Avg	Vertical	162	355	54.0	-1.1	Pass
13	16160.77	48.76	5.54	0.11	54.41	Max Peak	Vertical	144	262	68.2	-13.8	Pass
14	16160.77	35.31	5.54	0.11	40.96	Max Avg	Vertical	144	262	54.0	-13.0	Pass

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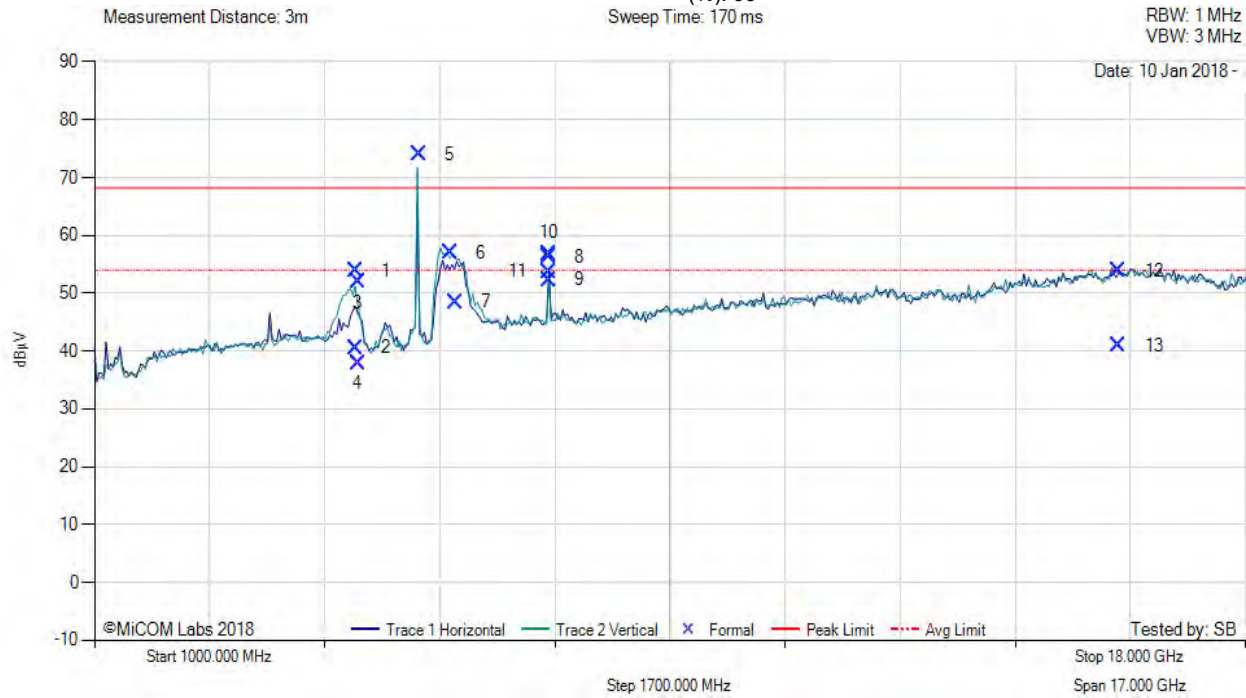


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 11, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4856.15	63.24	3.04	-12.39	53.89	Max Peak	Vertical	146	326	68.2	-14.3	Pass
2	4856.15	49.93	3.04	-12.39	40.58	Max Avg	Vertical	146	326	54.0	-13.4	Pass
3	4889.79	61.36	3.01	-12.45	51.92	Max Peak	Horizontal	128	6	68.2	-16.3	Pass
4	4889.79	47.41	3.01	-12.45	37.97	Max Avg	Horizontal	128	6	54.0	-16.0	Pass
5	5790.54	81.60	3.20	-10.80	74.00	Fundamental	Vertical	151	0	--	--	
6	6250.30	63.06	3.23	-9.34	56.95	Peak (NRB)	Vertical	151	0	--	--	Pass
7	6328.78	54.59	3.23	-9.35	48.47	Peak (NRB)	Horizontal	151	0	--	--	Pass
8	7715.96	59.71	3.76	-7.21	56.26	Max Peak	Vertical	157	339	68.2	-12.0	Pass
9	7715.96	55.77	3.76	-7.21	52.32	Max Avg	Vertical	157	339	54.0	-1.7	Pass
10	7716.03	60.34	3.76	-7.20	56.90	Max Peak	Horizontal	191	4	68.2	-11.3	Pass
11	7716.03	57.24	3.76	-7.20	53.80	Max Avg	Horizontal	191	4	54.0	-0.2	Pass
12	16128.76	48.30	5.62	-0.02	53.90	Max Peak	Vertical	150	20	68.2	-14.3	Pass
13	16128.76	35.27	5.62	-0.02	40.87	Max Avg	Vertical	150	20	54.0	-13.1	Pass

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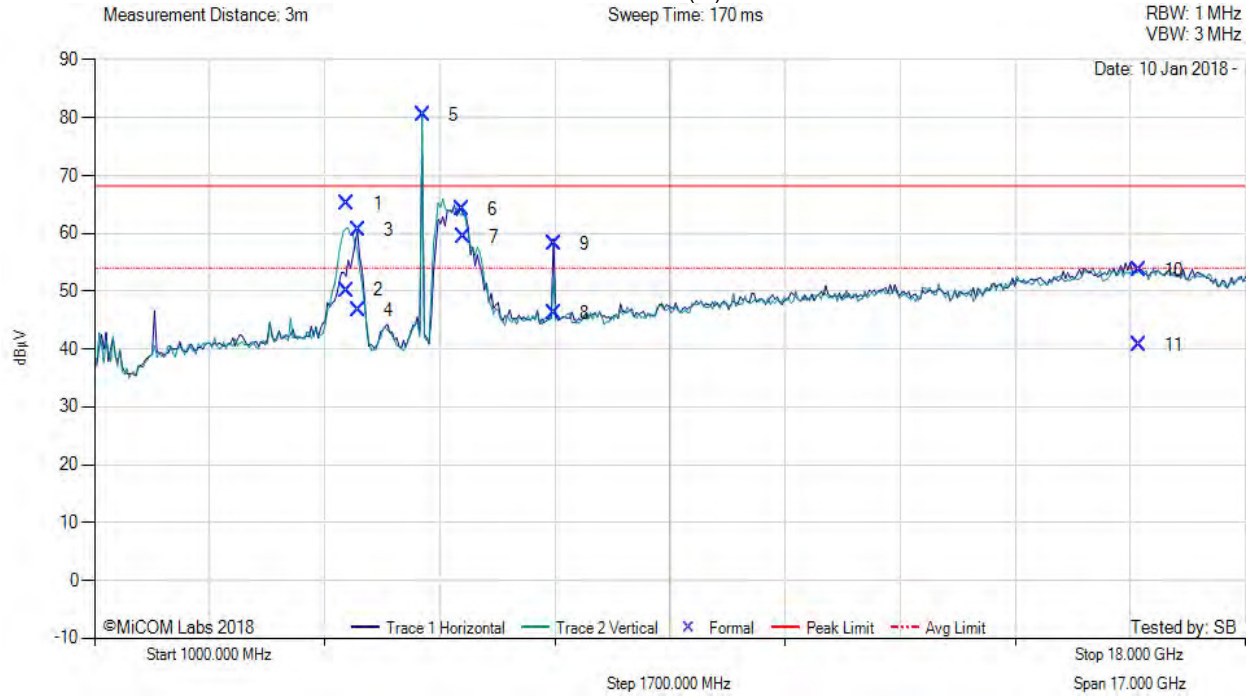


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 24, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4733.77	74.61	2.93	-12.41	65.13	Max Peak	Vertical	161	322	68.2	-3.1	Pass
2	4733.77	59.68	2.93	-12.41	50.20	Max Avg	Vertical	161	322	54.0	-3.8	Pass
3	4893.69	70.00	3.02	-12.43	60.59	Max Peak	Horizontal	195	5	68.2	-7.6	Pass
4	4893.69	56.10	3.02	-12.43	46.69	Max Avg	Horizontal	195	5	54.0	-7.3	Pass
5	5849.19	87.98	3.20	-10.66	80.52	Peak (NRB)	Vertical	148	0	--	--	Pass
6	6425.61	70.22	3.13	-9.19	64.16	Peak (NRB)	Vertical	148	0	--	--	Pass
7	6446.55	65.28	3.15	-9.04	59.39	Peak (NRB)	Horizontal	148	0	--	--	Pass
8	7793.30	49.84	3.79	-7.43	46.20	Peak (NRB)	Vertical	148	0	--	--	Pass
9	7793.61	61.78	3.79	-7.43	58.14	Peak (NRB)	Horizontal	148	0	--	--	Pass
10	16430.95	48.13	5.66	-0.11	53.68	Max Peak	Vertical	189	277	68.2	-14.6	Pass
11	16430.95	35.19	5.66	-0.11	40.74	Max Avg	Vertical	189	277	54.0	-13.3	Pass

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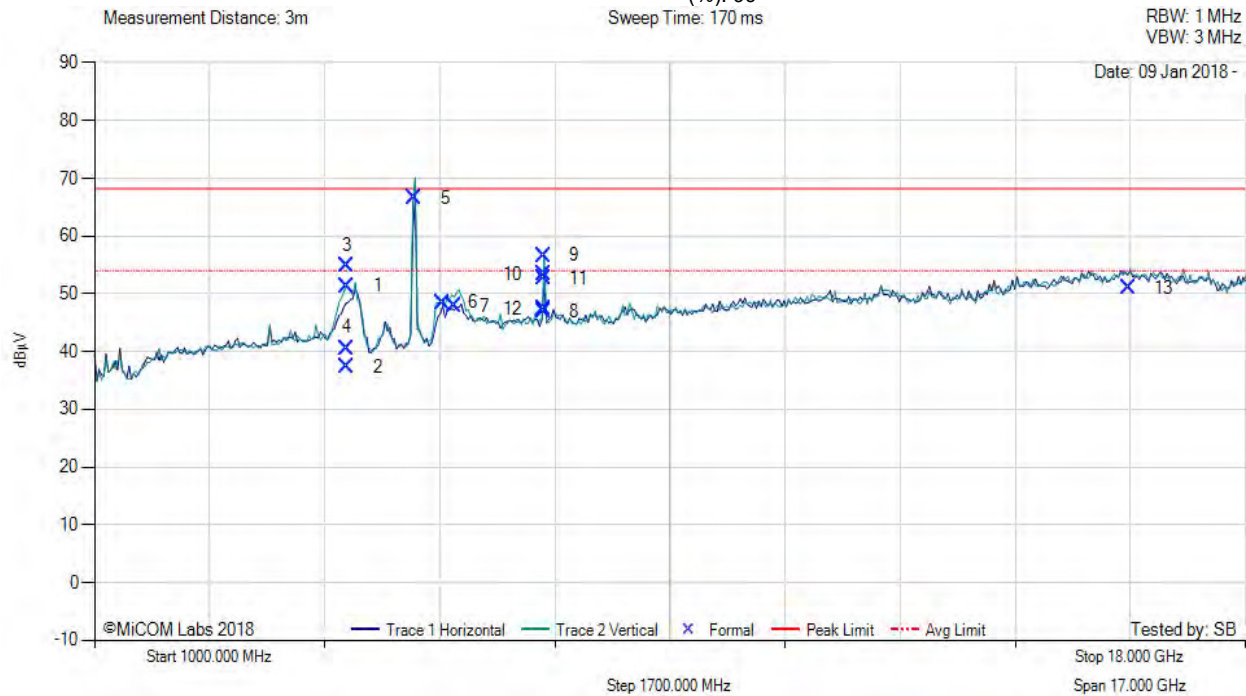


A.1.1.7. RADWIN Ltd. RW-9314-5158

TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9314-5158, Power Setting: 19, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4731.77	60.78	2.94	-12.40	51.32	Max Peak	Horizontal	186	0	68.2	-16.9	Pass
2	4731.77	46.88	2.94	-12.40	37.42	Max Avg	Horizontal	186	0	54.0	-16.6	Pass
3	4731.77	64.28	2.94	-12.40	54.82	Max Peak	Vertical	160	8	68.2	-13.4	Pass
4	4731.77	50.03	2.94	-12.40	40.57	Max Avg	Vertical	160	8	54.0	-13.4	Pass
5	5730.46	74.26	3.17	-10.91	66.52	Fundamental	Vertical	100	0	--	--	
6	6138.77	54.89	3.27	-9.65	48.51	Peak (NRB)	Vertical	151	0	--	--	Pass
7	6312.41	53.74	3.26	-9.07	47.93	Peak (NRB)	Horizontal	151	0	--	--	Pass
8	7640.04	50.47	3.71	-7.32	46.86	Peak (Scan)	Vertical	151	0	68.2	-21.4	Pass
9	7640.04	60.21	3.71	-7.32	56.60	Max Peak	Vertical	134	93	68.2	-11.6	Pass
10	7640.04	56.99	3.71	-7.32	53.38	Max Avg	Vertical	134	93	54.0	-0.6	Pass
11	7640.14	56.34	3.71	-7.32	52.73	Max Peak	Horizontal	142	319	68.2	-15.5	Pass
12	7640.14	51.09	3.71	-7.32	47.48	Max Avg	Horizontal	142	319	54.0	-6.5	Pass
13	16271.41	45.98	5.68	-0.65	51.01	Peak (NRB)	Vertical	151	0	--	--	Pass

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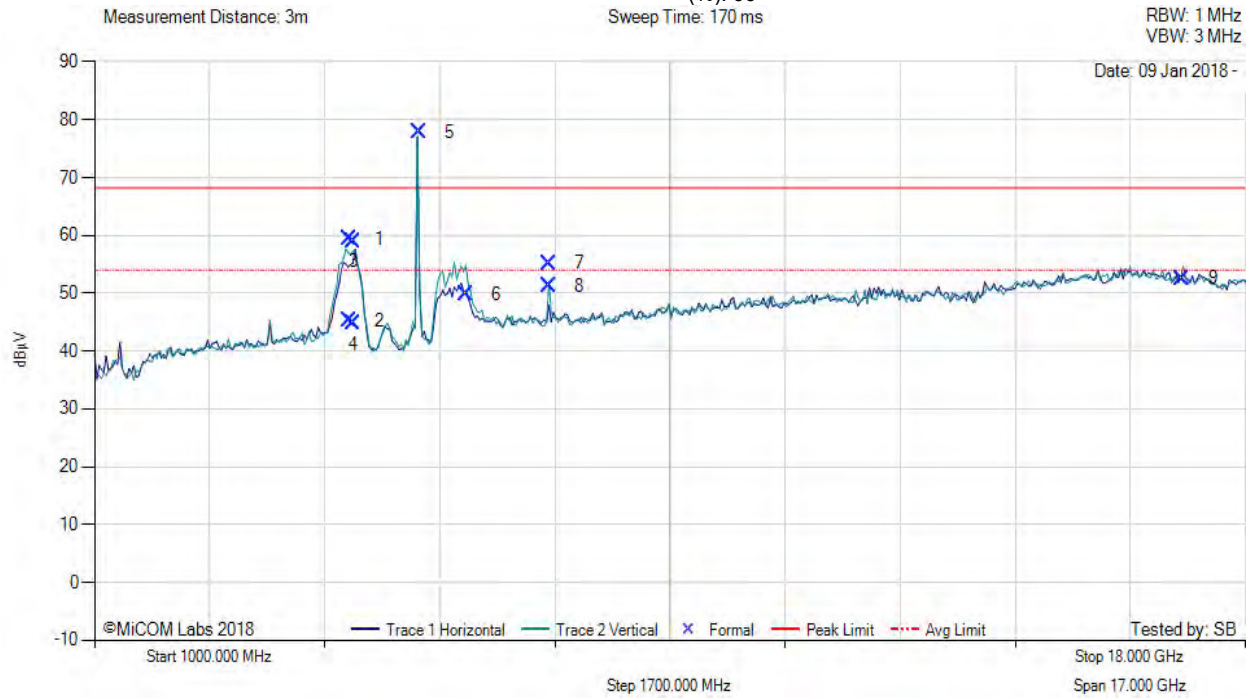


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5787.00 MHz, Antenna: RADWIN Ltd. RW-9314-5158, Power Setting: 24.5, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4765.23	68.90	2.96	-12.40	59.46	Max Peak	Vertical	191	357	68.2	-8.8	Pass
2	4765.23	54.71	2.96	-12.40	45.27	Max Avg	Vertical	191	357	54.0	-8.7	Pass
3	4827.88	68.43	2.97	-12.41	58.99	Max Peak	Horizontal	173	353	68.2	-9.2	Pass
4	4827.88	54.14	2.97	-12.41	44.70	Max Avg	Horizontal	173	353	54.0	-9.3	Pass
5	5789.65	85.41	3.21	-10.79	77.83	Fundamental	Horizontal	151	0	--	--	
6	6481.28	55.66	3.14	-8.93	49.87	Peak (NRB)	Vertical	151	0	--	--	Pass
7	7715.98	58.67	3.76	-7.21	55.22	Max Peak	Vertical	147	92	68.2	-13.0	Pass
8	7715.98	54.64	3.76	-7.21	51.19	Max Avg	Vertical	147	92	54.0	-2.8	Pass
9	17069.96	46.34	5.66	0.58	52.58	Peak (NRB)	Vertical	151	0	--	--	Pass

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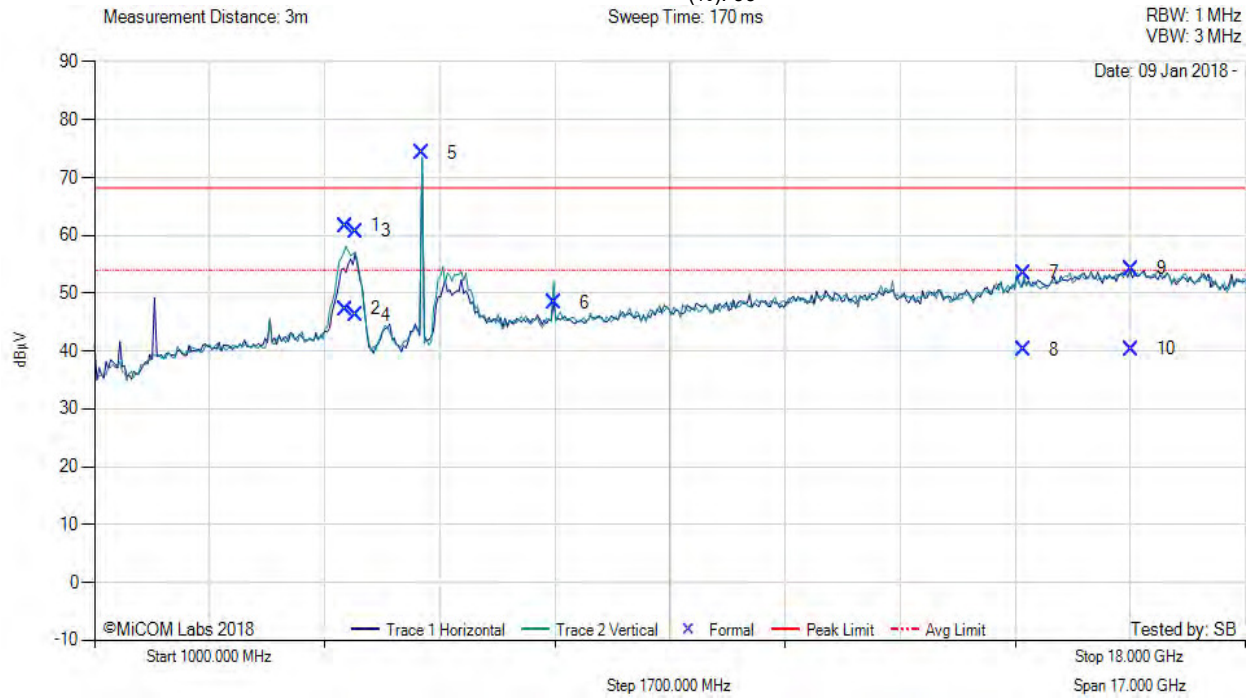


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TX SPURIOUS & RESTRICTED BAND EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9314-5158, Power Setting: 24.5, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4701.74	71.13	2.94	-12.37	61.70	Max Peak	Vertical	182	13	68.2	-6.5	Pass
2	4701.74	56.72	2.94	-12.37	47.29	Max Avg	Vertical	182	13	54.0	-6.7	Pass
3	4856.92	70.02	3.04	-12.39	60.67	Max Peak	Horizontal	180	2	68.2	-7.6	Pass
4	4856.92	55.60	3.04	-12.39	46.25	Max Avg	Horizontal	180	2	54.0	-7.8	Pass
5	5841.48	81.93	3.22	-10.89	74.26	Fundamental	Vertical	151	0	--	--	
6	7793.41	52.05	3.79	-7.43	48.41	Peak (NRB)	Vertical	151	12	--	--	Pass
7	14719.09	52.92	5.32	-4.75	53.49	Max Peak	Vertical	176	189	68.2	-14.7	Pass
8	14719.09	39.68	5.32	-4.75	40.25	Max Avg	Vertical	176	189	54.0	-13.8	Pass
9	16315.83	49.56	5.71	-1.04	54.23	Max Peak	Vertical	153	83	68.2	-14.0	Pass
10	16315.83	35.64	5.71	-1.04	40.31	Max Avg	Vertical	153	83	54.0	-13.7	Pass

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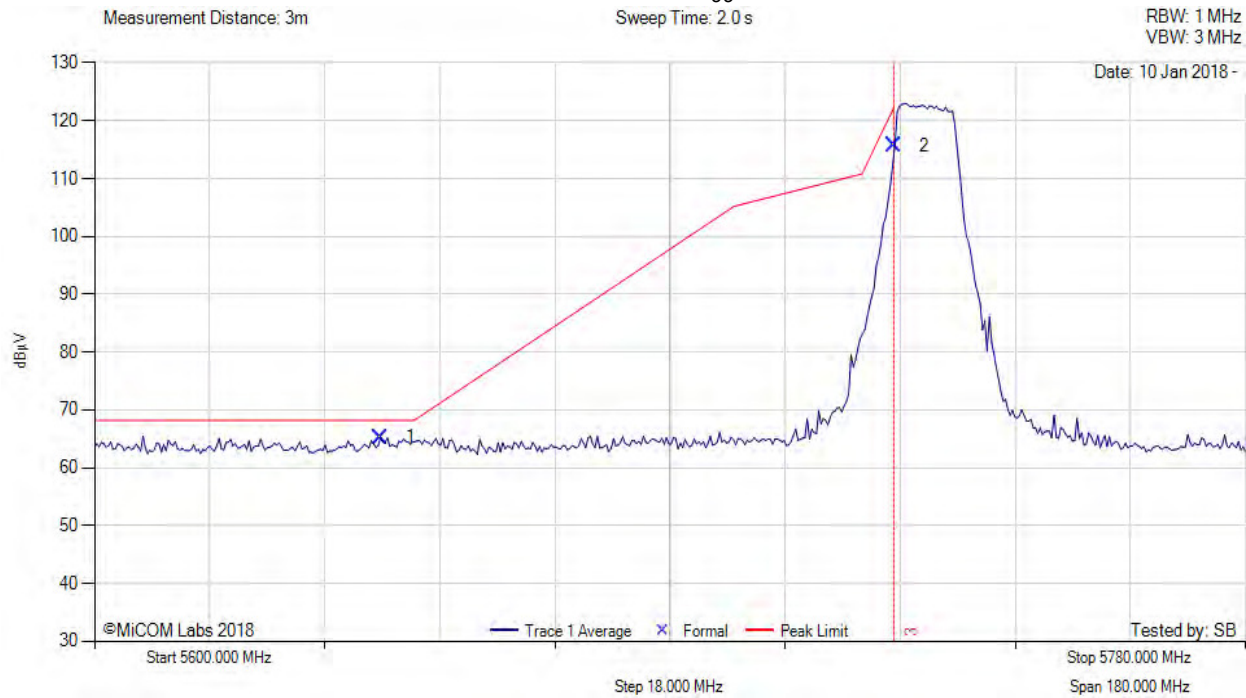
A.1.2. Restricted Edge & Band-Edge Emissions

A.1.2.8. RADWIN Ltd. AT0058760

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 15, Duty Cycle (%) 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5644.66	27.46	3.19	34.63	65.28	Max Avg	Horizontal	196	3	68.2	-3.0	Pass
2	5725.00	77.73	3.17	34.72	115.62	Max Avg	Horizontal	196	3	122.2	-6.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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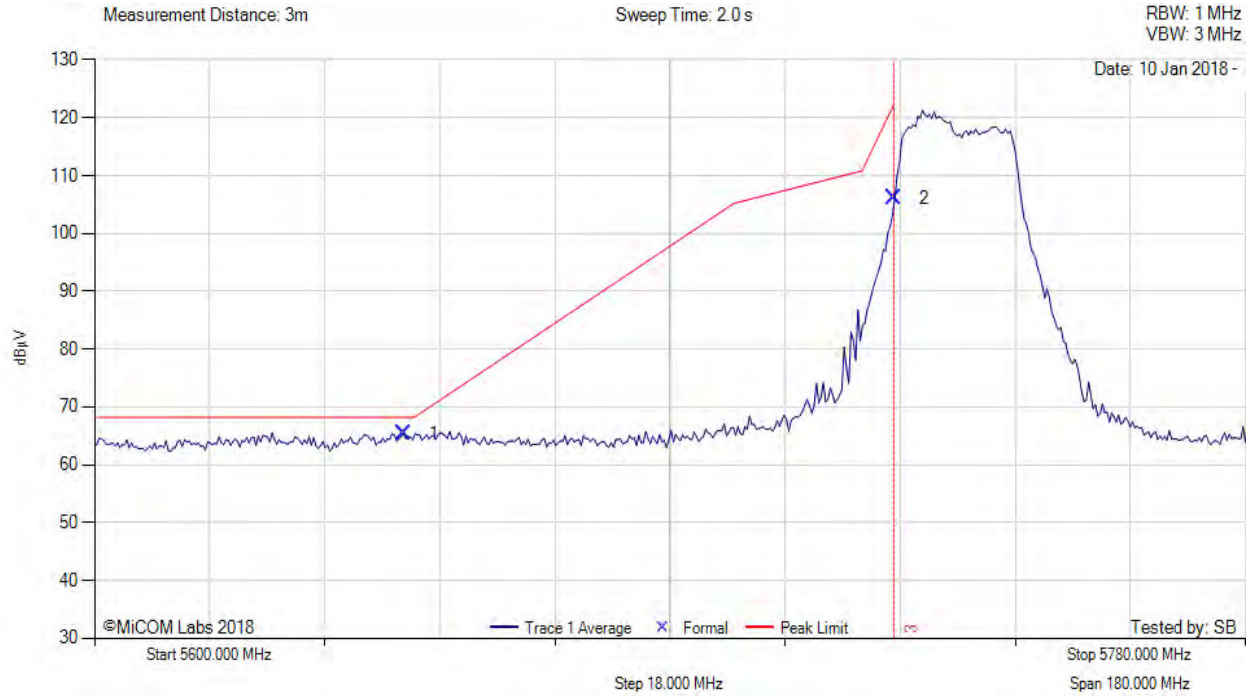


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 15, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5648.27	27.55	3.20	34.63	65.38	Max Avg	Vertical	151	346	68.2	-2.9	Pass
2	5725.00	68.15	3.17	34.72	106.04	Max Avg	Vertical	151	346	122.2	-16.2	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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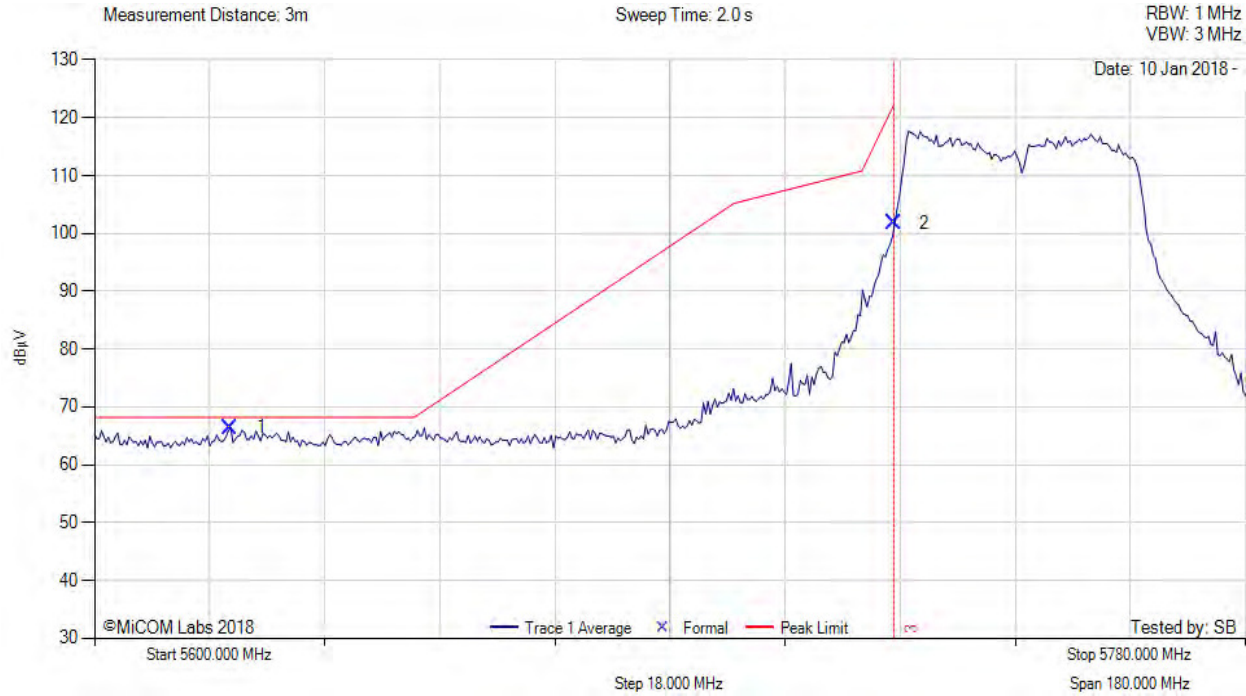


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5745.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 15, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5621.28	28.64	3.18	34.64	66.46	Max Avg	Vertical	151	346	68.2	-1.8	Pass
2	5725.00	63.83	3.17	34.72	101.72	Max Avg	Vertical	151	346	122.2	-20.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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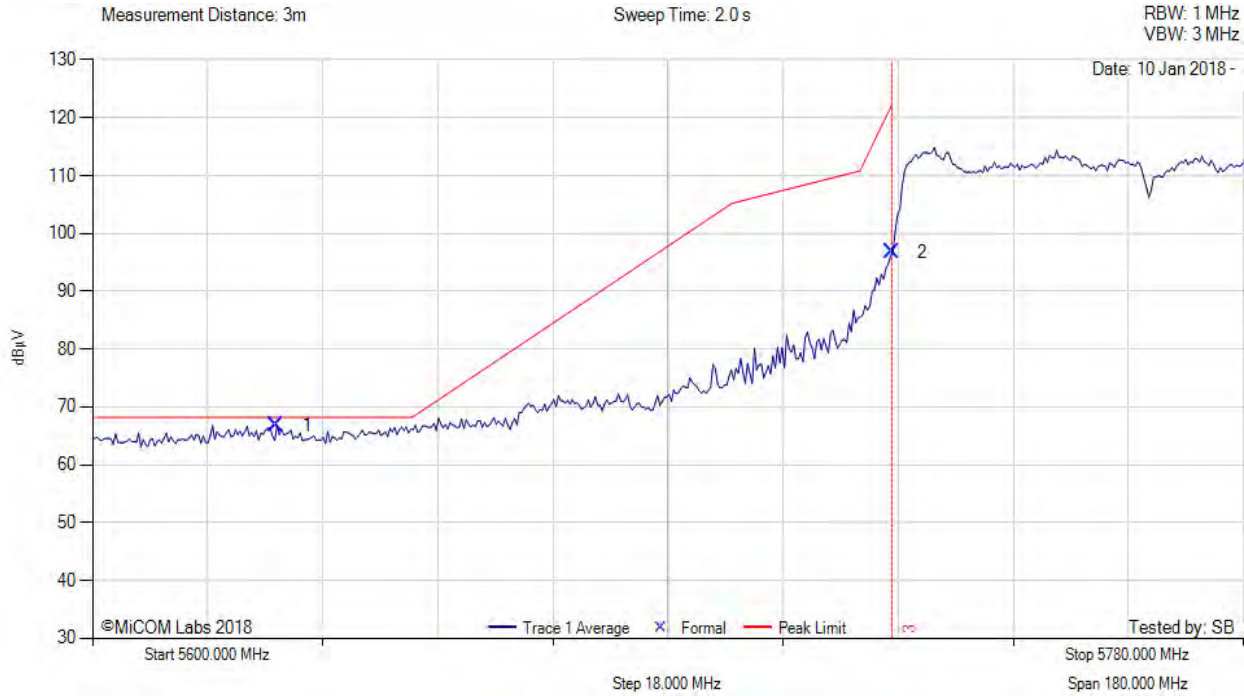


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5765.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 15, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5628.79	28.92	3.21	34.64	66.77	Max Avg	Vertical	151	346	68.2	-1.5	Pass
2	5725.00	58.92	3.17	34.72	96.81	Max Avg	Vertical	151	346	122.2	-25.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

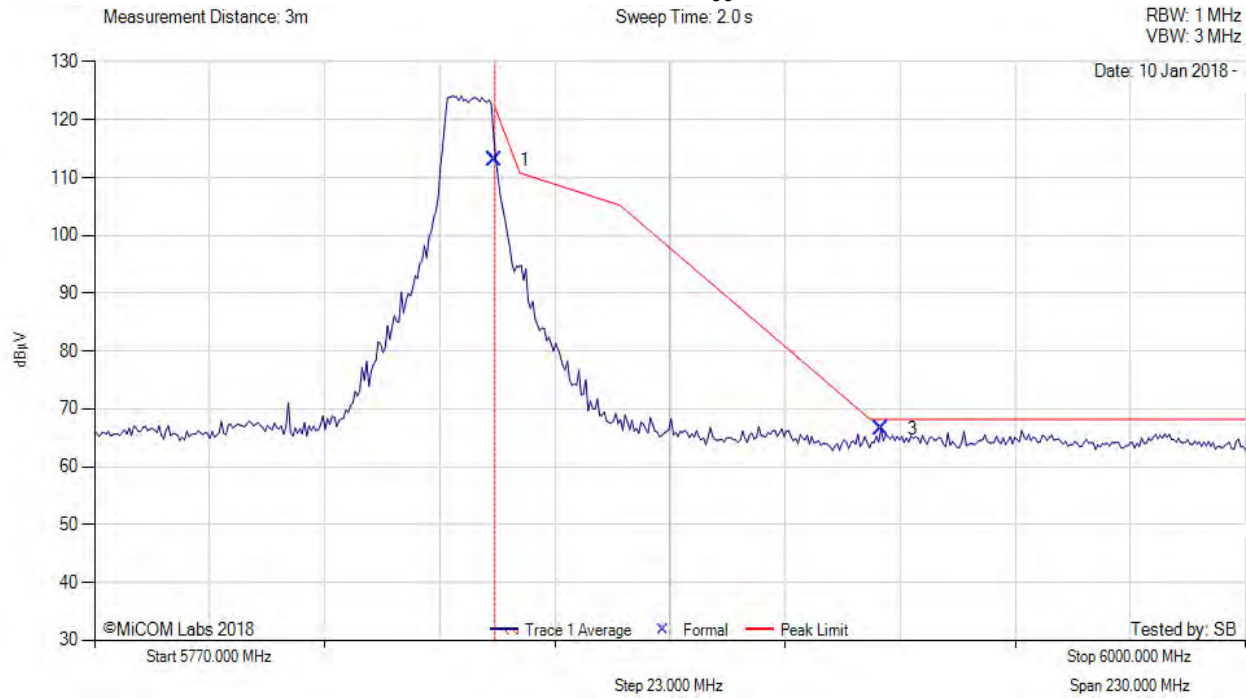
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 20, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	74.91	3.20	34.96	113.07	Max Avg	Vertical	151	346	122.2	-9.13	Pass
3	5927.29	28.34	3.19	35.11	66.64	Max Avg	Vertical	151	346	68.2	-1.6	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

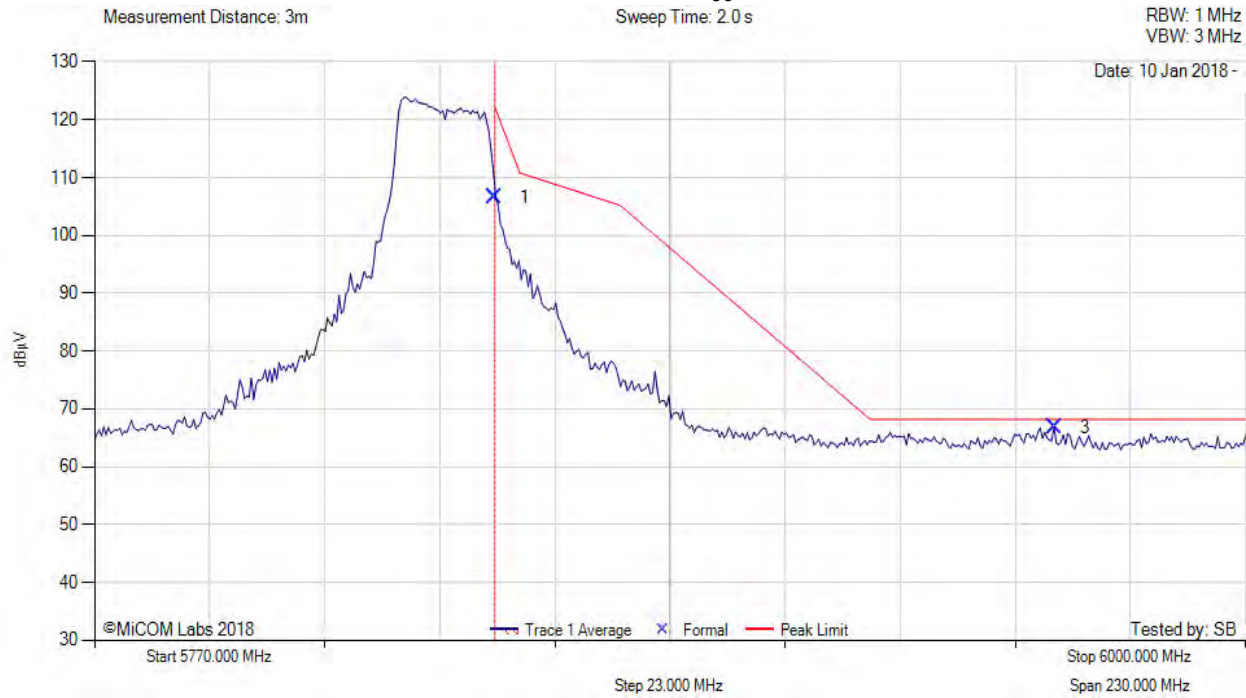
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 20, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	68.41	3.20	34.96	106.57	Max Avg	Vertical	151	346	122.2	-15.63	Pass
3	5961.86	28.42	3.27	35.15	66.84	Max Avg	Vertical	151	346	68.2	-1.4	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

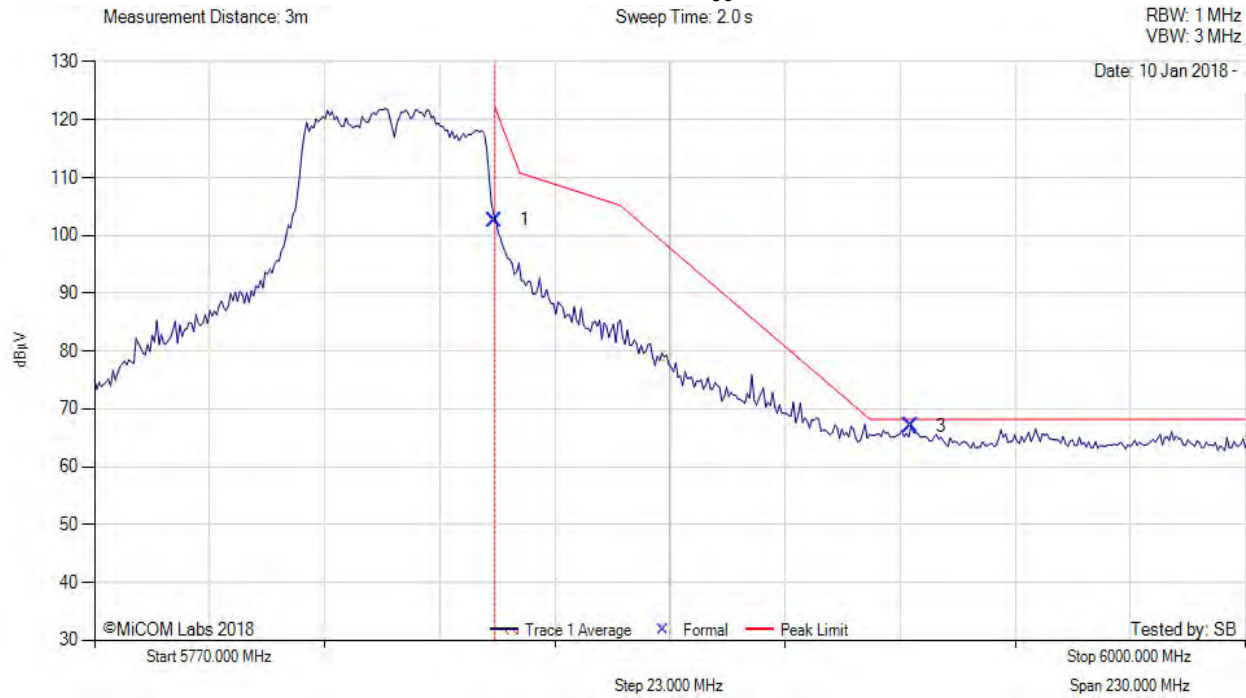
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 20, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	64.50	3.20	34.96	102.66	Max Avg	Vertical	151	346	122.2	-19.54	Pass
3	5933.17	28.70	3.19	35.11	67.00	Max Avg	Vertical	151	346	68.2	-1.2	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

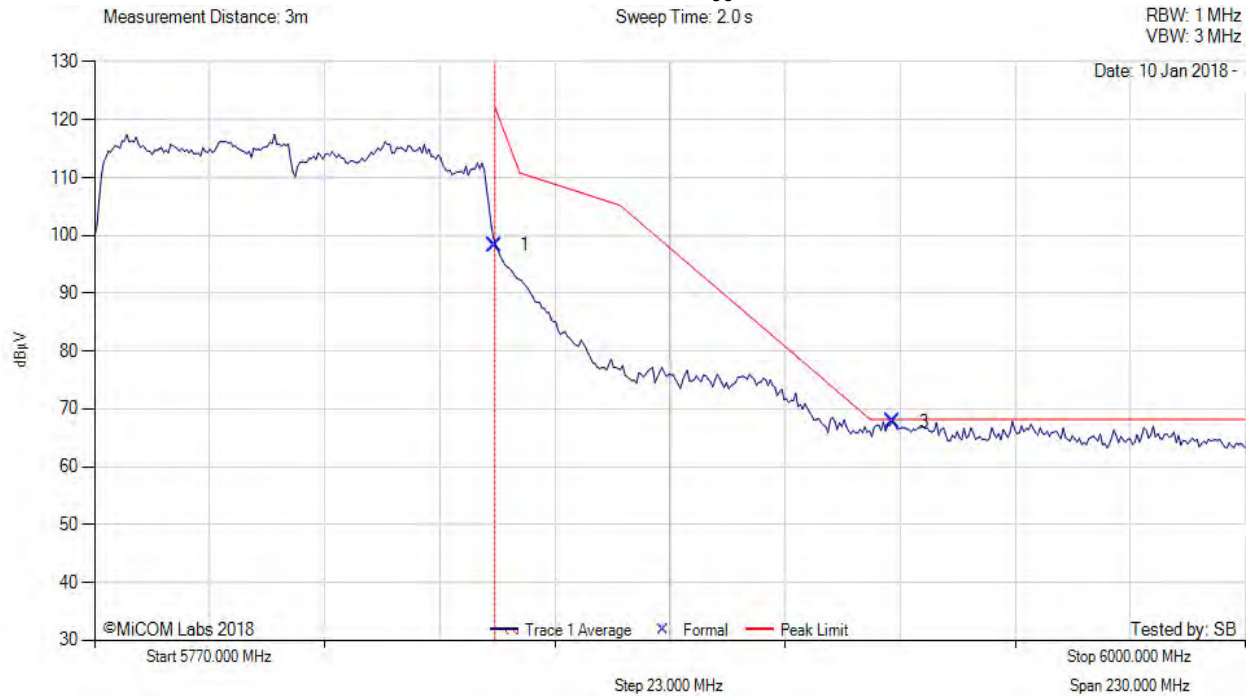
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RADWIN Ltd. AT0058760, Power Setting: 17, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	60.17	3.20	34.96	98.33	Max Avg	Vertical	151	346	122.2	-27.87	Pass
3	5929.60	29.52	3.18	35.11	67.81	Max Avg	Vertical	151	346	68.2	-0.4	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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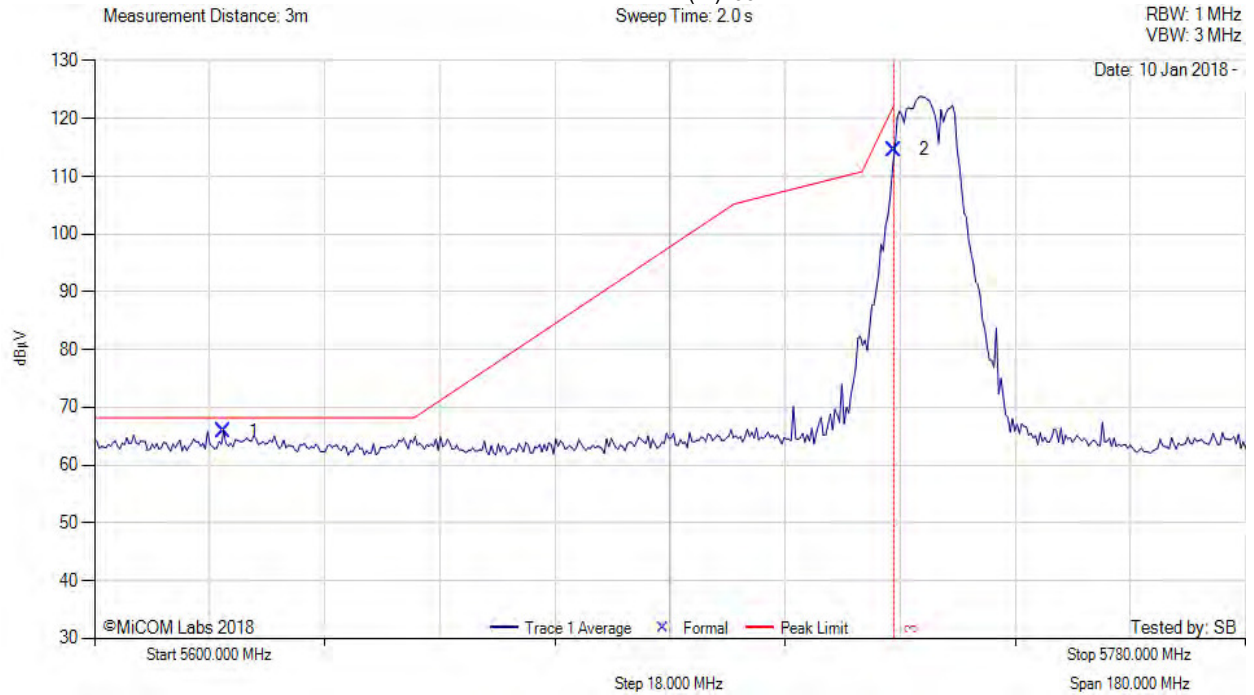
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A.1.2.9. RADWIN Ltd. RW-9061-5002

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 11.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5620.13	28.04	3.18	34.65	65.87	Max Avg	Vertical	150	4	68.2	-2.4	Pass
2	5725.00	76.73	3.17	34.72	114.62	Max Avg	Vertical	150	4	122.2	-7.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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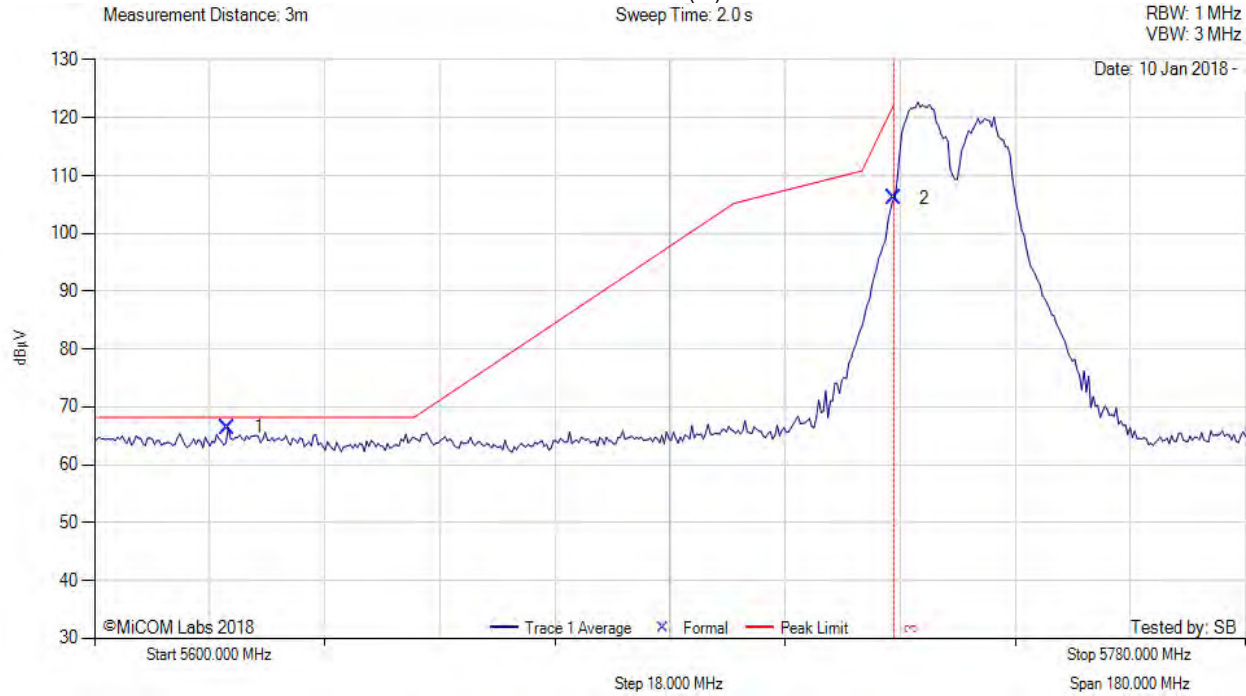


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 11.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5620.85	28.62	3.18	34.64	66.44	Max Avg	Vertical	150	4	68.2	-1.8	Pass
2	5725.00	68.20	3.17	34.72	106.09	Max Avg	Vertical	150	4	122.2	-16.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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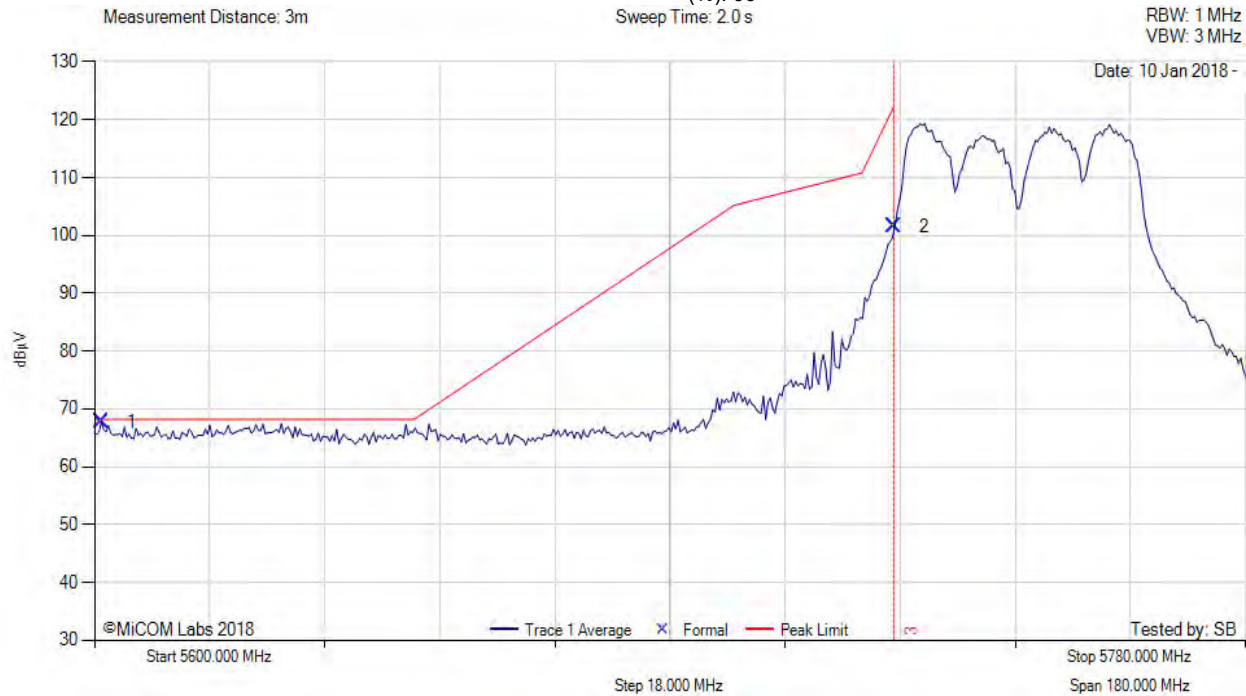


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5745.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 11.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5601.08	29.88	3.27	34.65	67.80	Max Avg	Vertical	150	4	68.2	-0.4	Pass
2	5725.00	63.65	3.17	34.72	101.54	Max Avg	Vertical	150	4	122.2	-20.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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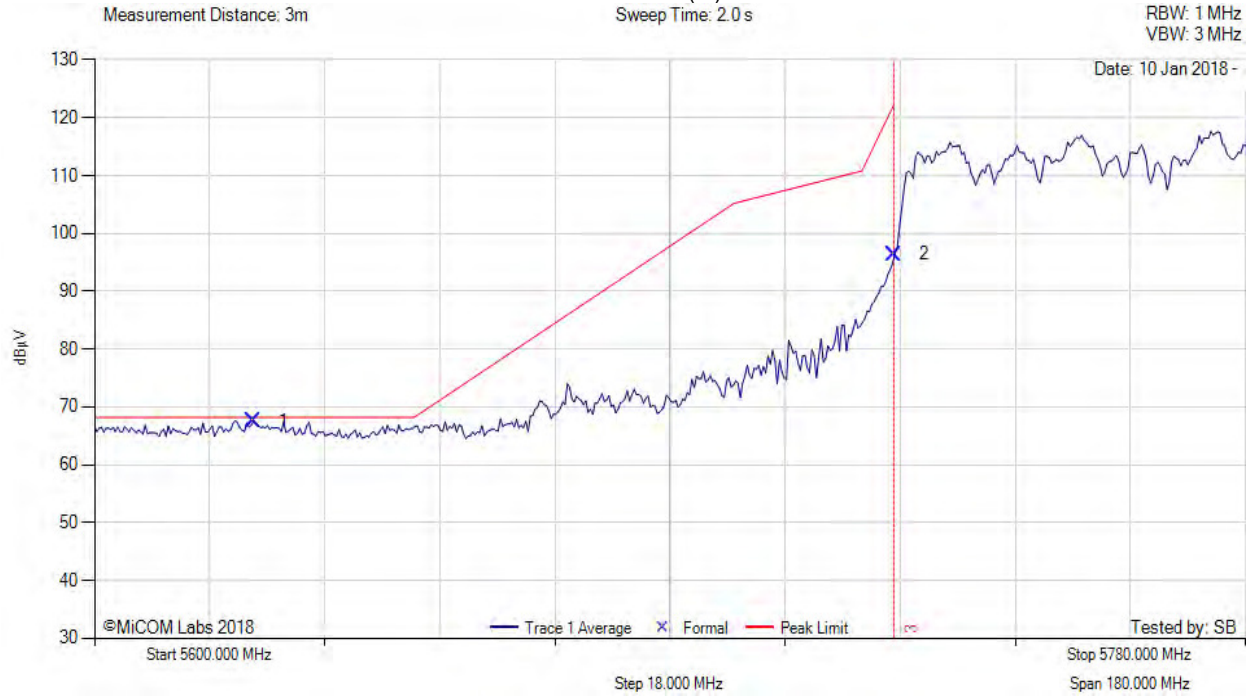


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5765.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 11.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5624.82	29.76	3.19	34.64	67.59	Max Avg	Vertical	150	4	68.2	-0.6	Pass
2	5725.00	58.53	3.17	34.72	96.42	Max Avg	Vertical	150	4	122.2	-25.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

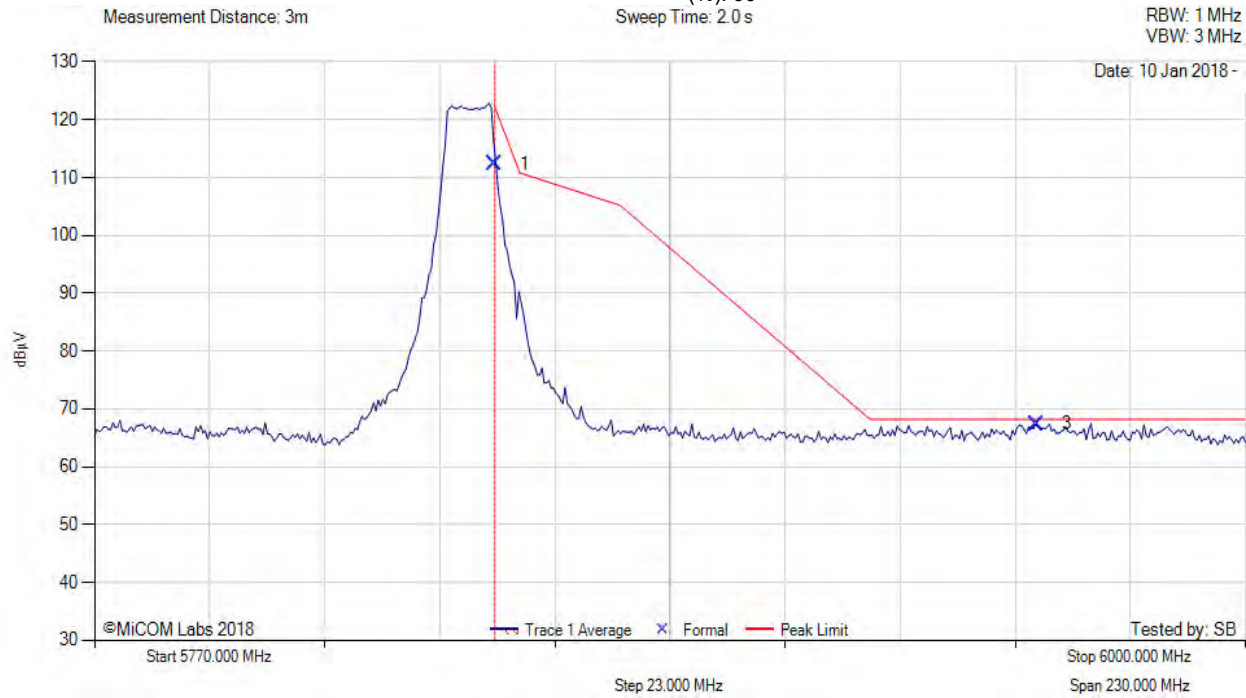
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 MHz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 15, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	74.18	3.20	34.96	112.34	Max Avg	Horizontal	150	4	122.2	-9.86	Pass
3	5958.18	28.99	3.26	35.14	67.39	Max Avg	Horizontal	150	4	68.2	-0.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

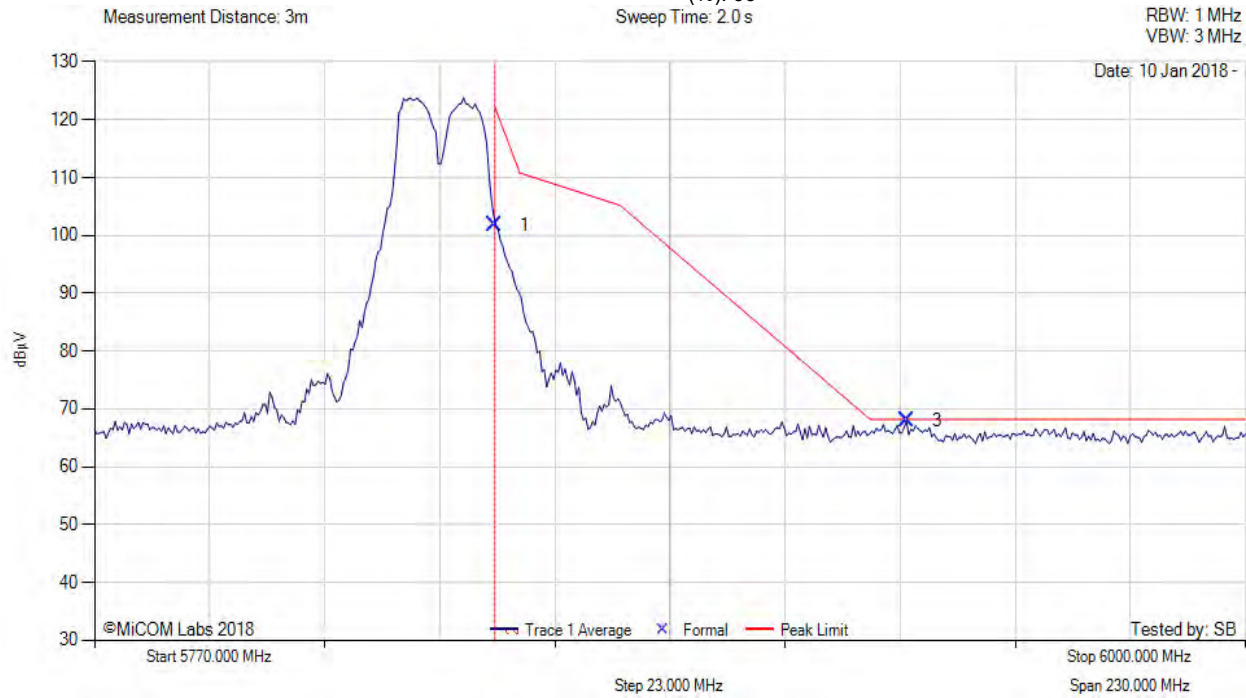
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 14.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	63.67	3.20	34.96	101.83	Max Avg	Vertical	150	4	122.2	-20.37	Pass
3	5932.36	29.64	3.19	35.11	67.94	Max Avg	Vertical	150	4	68.2	-0.3	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

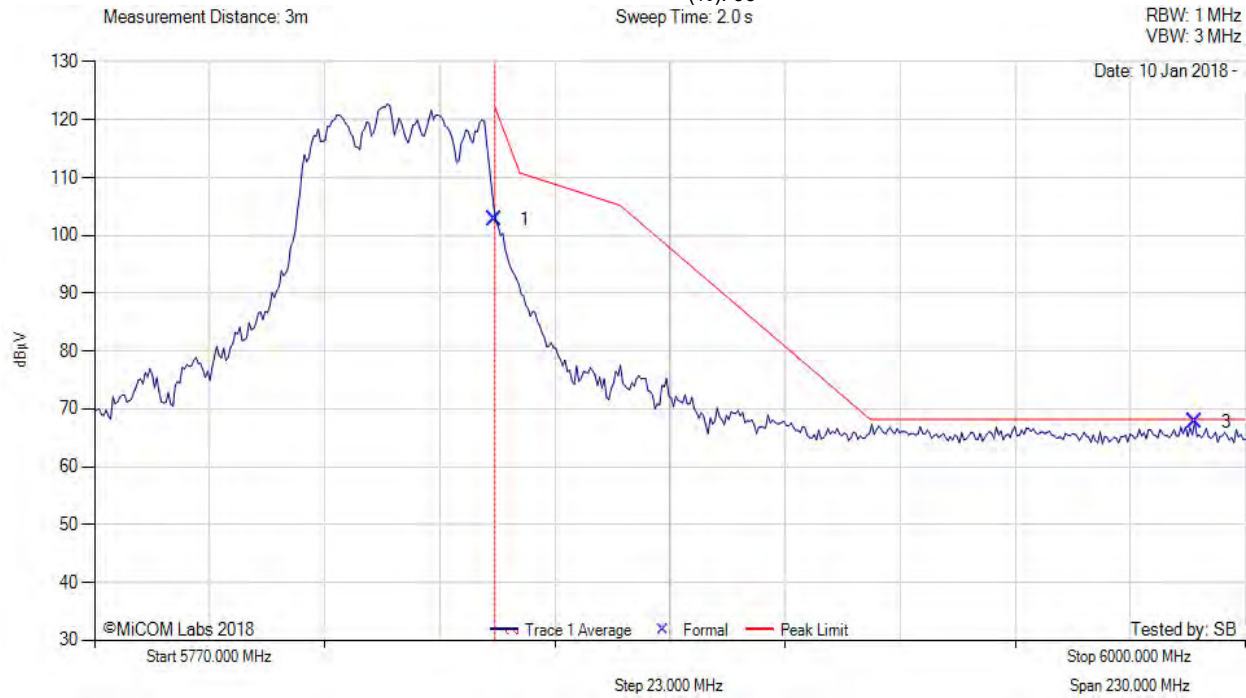
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 14.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	64.51	3.20	34.96	102.67	Max Avg	Vertical	150	4	122.2	-19.53	Pass
3	5989.98	29.39	3.23	35.21	67.83	Max Avg	Vertical	150	4	68.2	-0.4	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

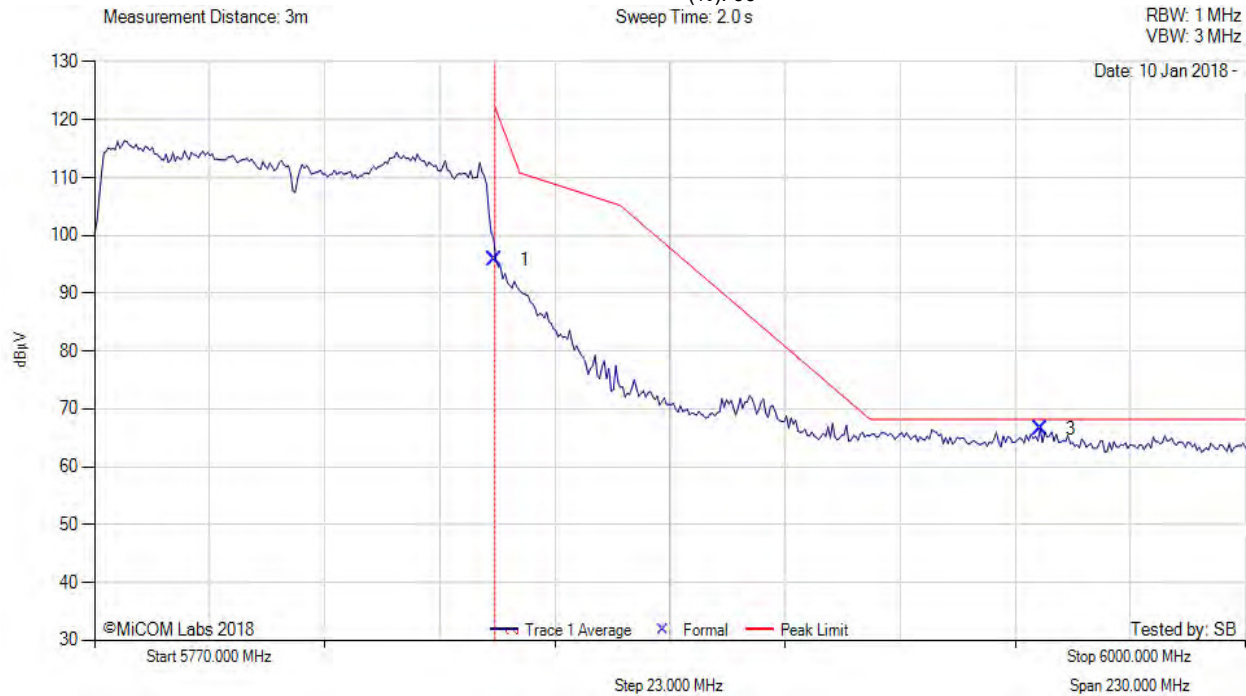
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RADWIN Ltd. RW-9061-5002, Power Setting: 14.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	57.64	3.20	34.96	95.80	Max Avg	Horizontal	150	4	122.2	-26.40	Pass
3	5959.10	28.23	3.26	35.14	66.63	Max Avg	Horizontal	150	4	68.2	-1.6	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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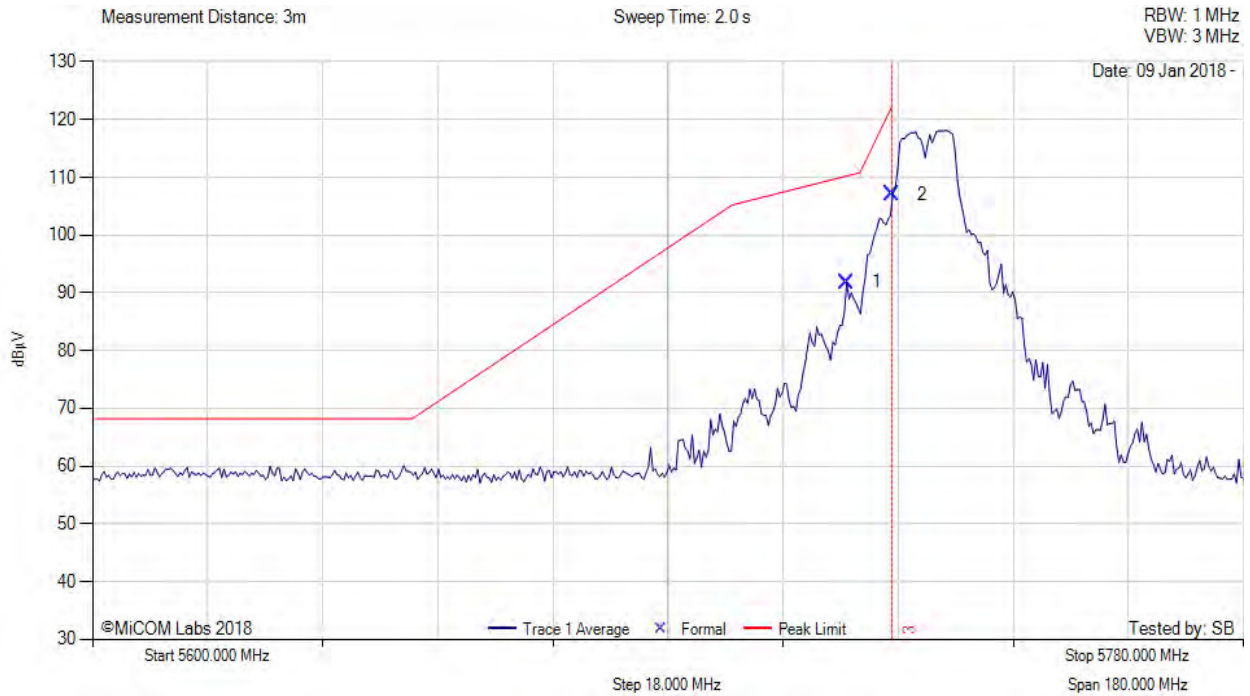


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A.1.2.10. RADWIN Ltd. RW-9401-5004



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RW-9401-5004, Power Setting: 28, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5717.89	53.91	3.18	34.71	91.80	Max Avg	Horizontal	150	209	110.2	-18.4	Pass
2	5725.00	69.19	3.17	34.72	107.08	Max Avg	Horizontal	150	209	122.2	-15.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

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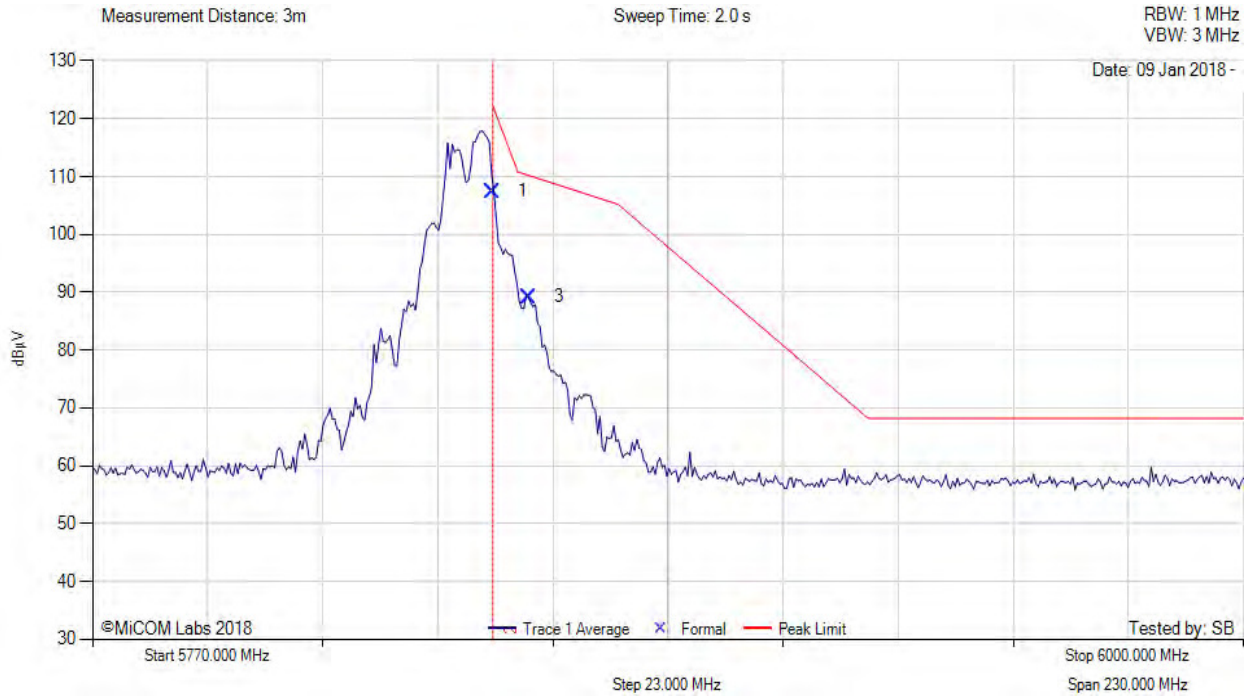
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Variant: 10 MHz, Test Freq: 5845.00 MHz, Antenna: RW-9401-5004, Power Setting: 28, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	69.25	3.20	34.96	107.41	Max Avg	Horizontal	150	209	122.2	-14.8	Pass
3	5857.23	51.02	3.20	34.98	89.20	Max Avg	Horizontal	150	209	110.2	-21.0	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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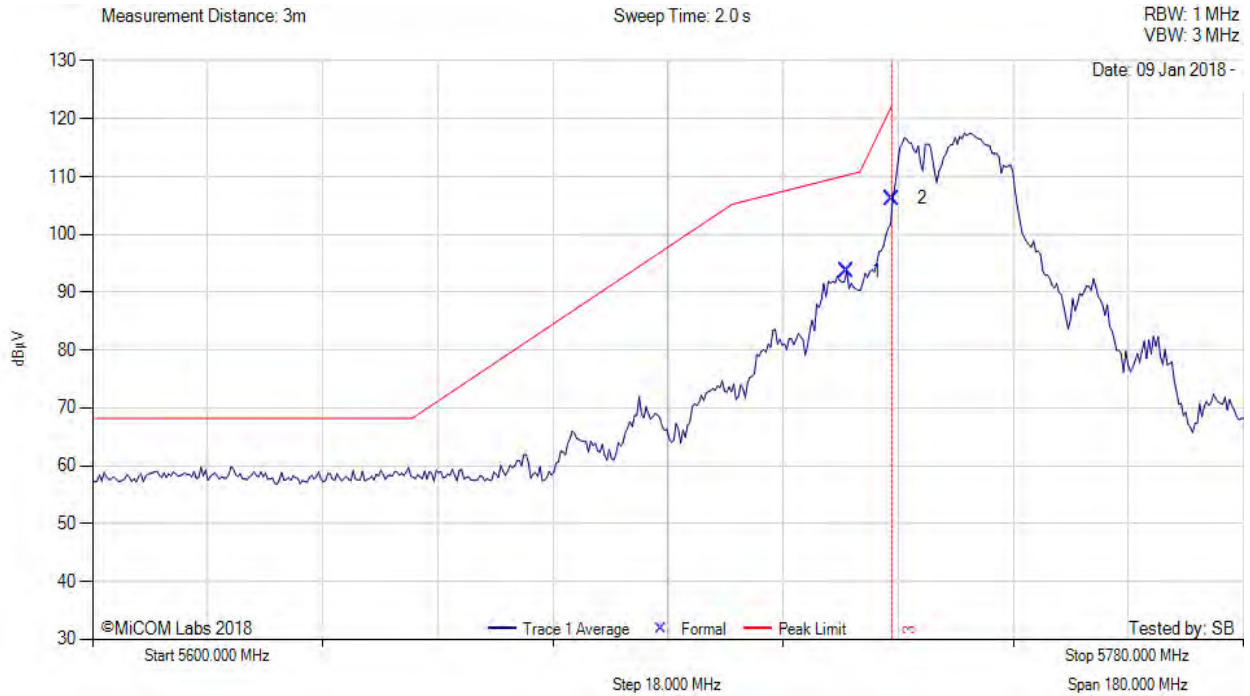
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Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RW-9401-5004, Power Setting: 28, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5717.89	55.69	3.18	34.71	93.58	Max Avg	Horizontal	150	209	110.2	-16.7	Pass
2	5725.00	68.30	3.17	34.72	106.19	Max Avg	Horizontal	150	209	122.2	-16.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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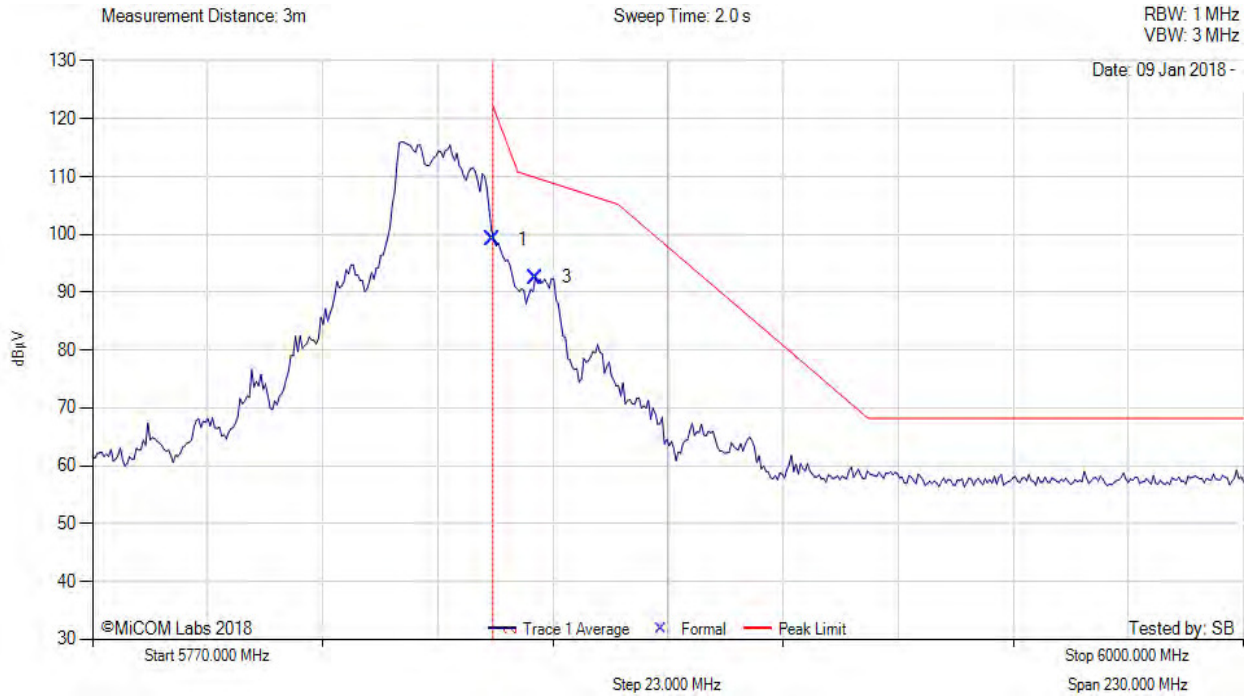
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Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RW-9401-5004, Power Setting: 28, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	61.01	3.20	34.96	99.17	Max Avg	Horizontal	150	209	122.2	-23.0	Pass
3	5858.62	54.39	3.20	34.98	92.57	Max Avg	Horizontal	150	209	109.7	-17.1	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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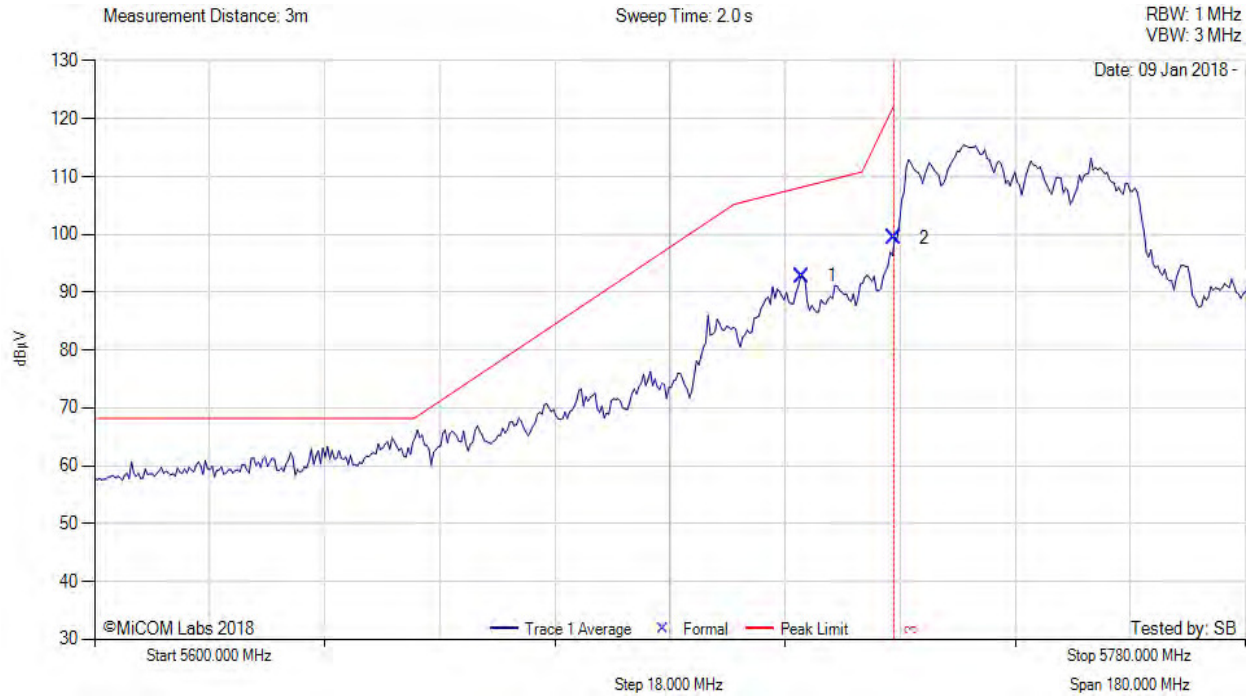
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Variant: 40 MHz, Test Freq: 5745.00 MHz, Antenna: RW-9401-5004, Power Setting: 27.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5710.67	54.91	3.19	34.70	92.80	Max Avg	Horizontal	150	209	108.3	-15.5	Pass
2	5725.00	61.47	3.17	34.72	99.36	Max Avg	Horizontal	150	209	122.2	-22.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004

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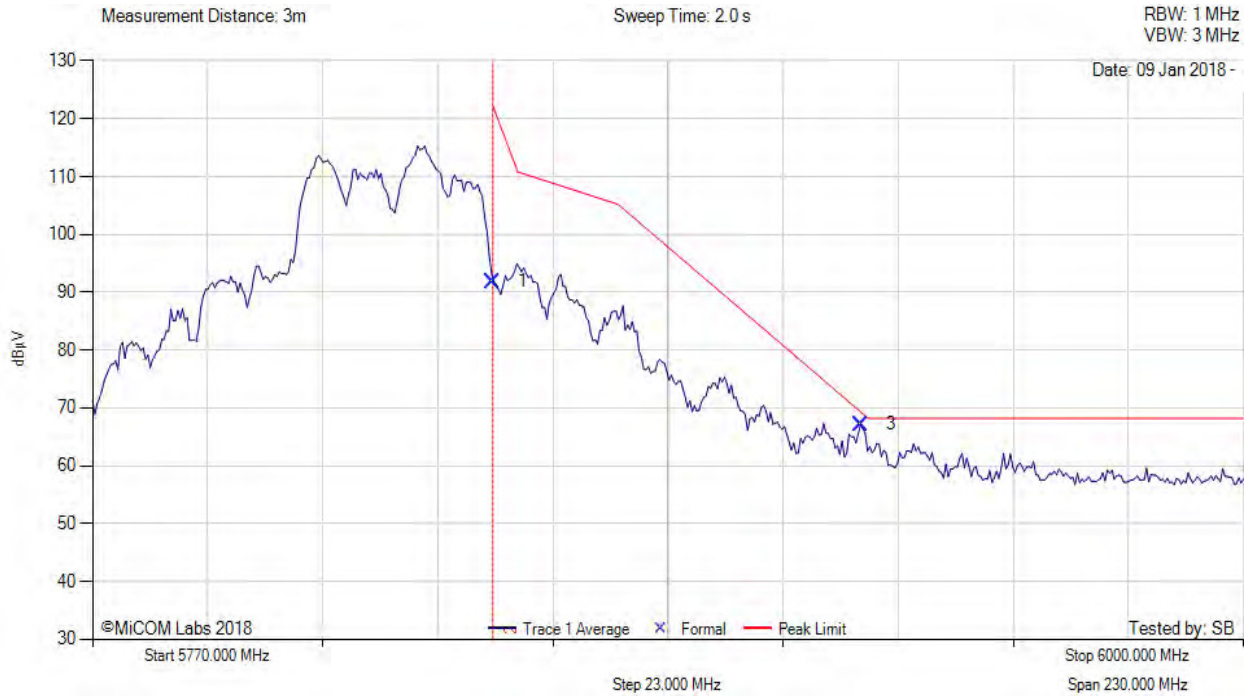
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Variant: 40 MHz, Test Freq: 5830.00 MHz, Antenna: RW-9401-5004, Power Setting: 27.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	53.70	3.20	34.96	91.86	Max Avg	Horizontal	150	209	122.2	-30.3	Pass
3	5923.61	28.88	3.20	35.11	67.19	Max Avg	Horizontal	150	209	68.9	-1.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW9401-5004
 Test set-up notes:

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Variant: 80 MHz, Test Freq: 5765.00 MHz, Antenna: RW-9401-5004, Power Setting: 24.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5641.77	29.49	3.18	34.64	67.31	Max Avg	Horizontal	150	209	68.2	-0.9	Pass
2	5725.00	50.60	3.17	34.72	88.49	Max Avg	Horizontal	150	209	122.2	-33.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

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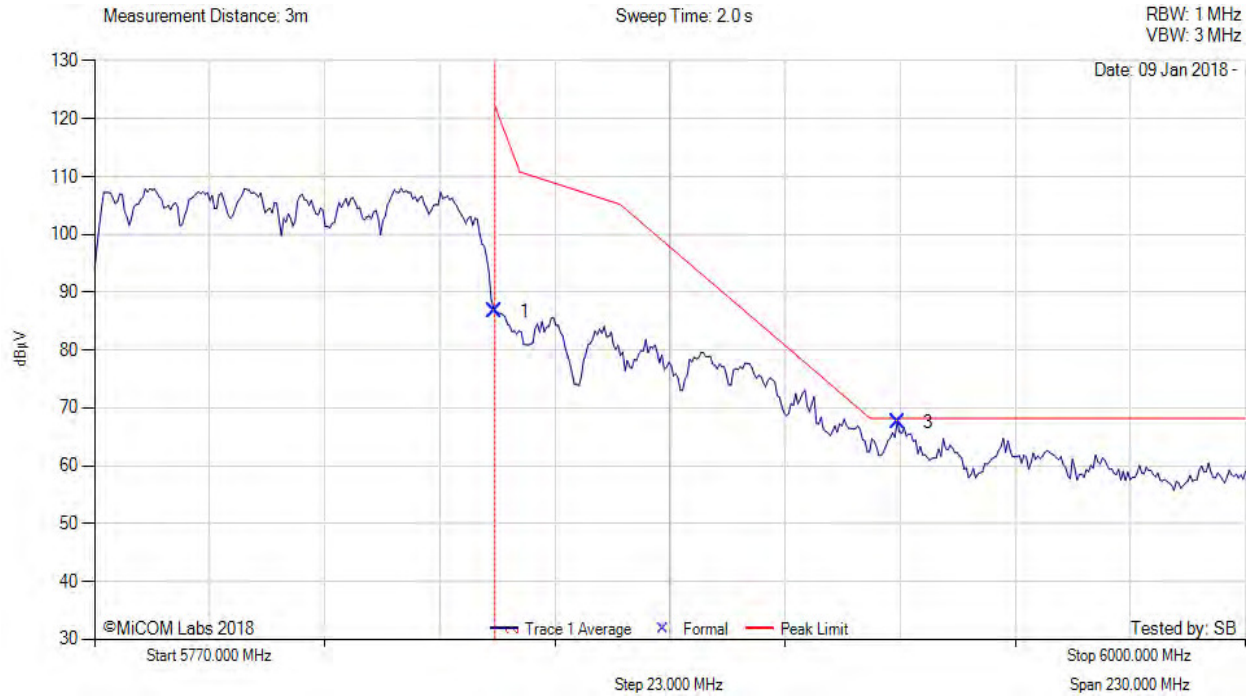
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Variant: 80 MHz, Test Freq: 5810.00 MHz, Antenna: RW-9401-5004, Power Setting: 27.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	48.60	3.20	34.96	86.76	Max Peak	Horizontal	150	209	122.2	-35.4	Pass
3	5930.52	29.22	3.18	35.11	67.51	Max Peak	Horizontal	150	209	68.2	-1.4	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: RW-9401-5004

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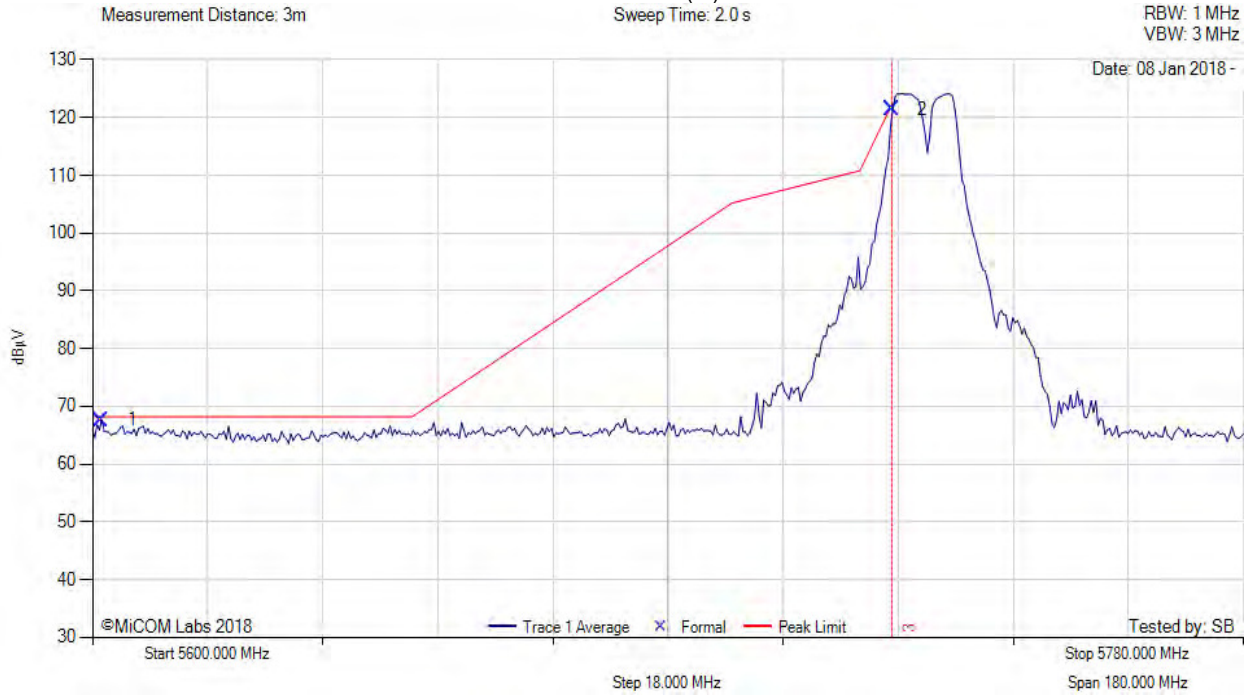
Title: Radwin AP0168031
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A.1.2.11. RADWIN Ltd. RW-9401-5007

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5601.37	29.76	3.27	34.65	67.68	Max Avg	Horizontal	154	16	68.2	-0.6	Pass
2	5725.00	83.50	3.17	34.72	121.39	Max Avg	Horizontal	154	16	122.2	-0.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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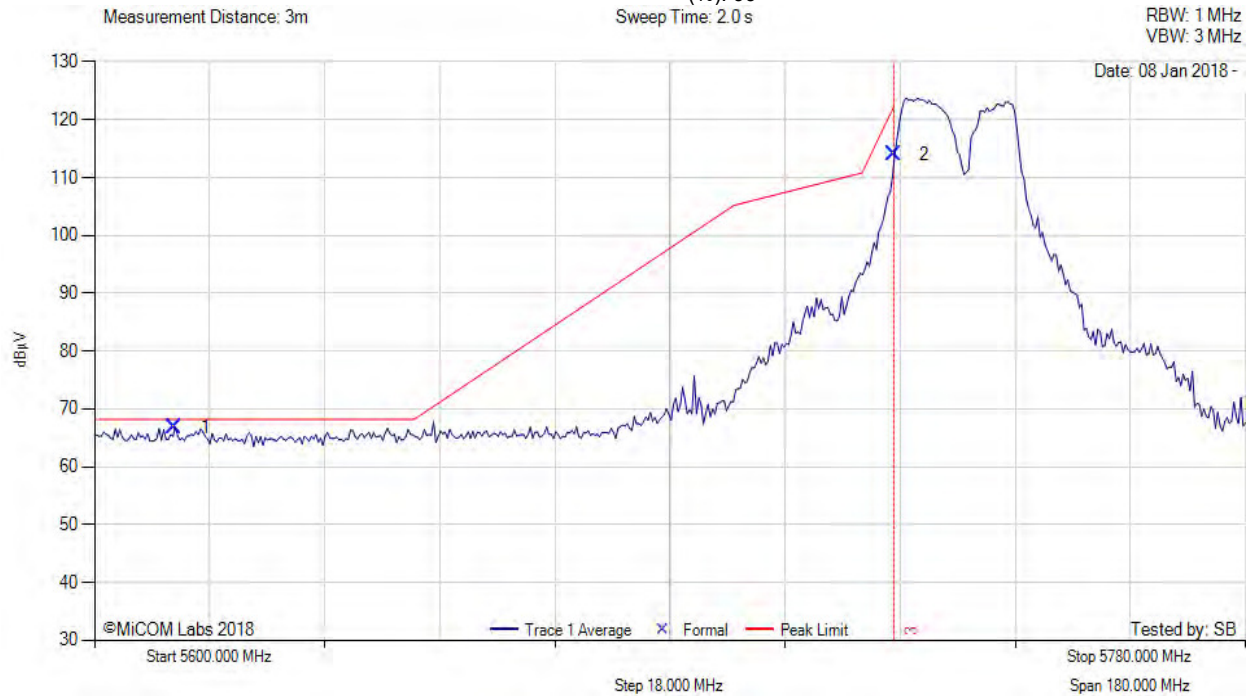


Title: Radwin AP0168031
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5612.56	29.03	3.20	34.65	66.88	Max Avg	Horizontal	154	11	68.2	-1.4	Pass
2	5725.00	76.17	3.17	34.72	114.06	Max Avg	Horizontal	154	11	122.2	-8.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5740.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5654.76	33.39	3.22	34.64	71.25	Max Avg	Horizontal	154	11	71.9	-0.7	Pass
2	5725.00	62.12	3.17	34.72	100.01	Max Avg	Horizontal	154	11	122.2	-22.2	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

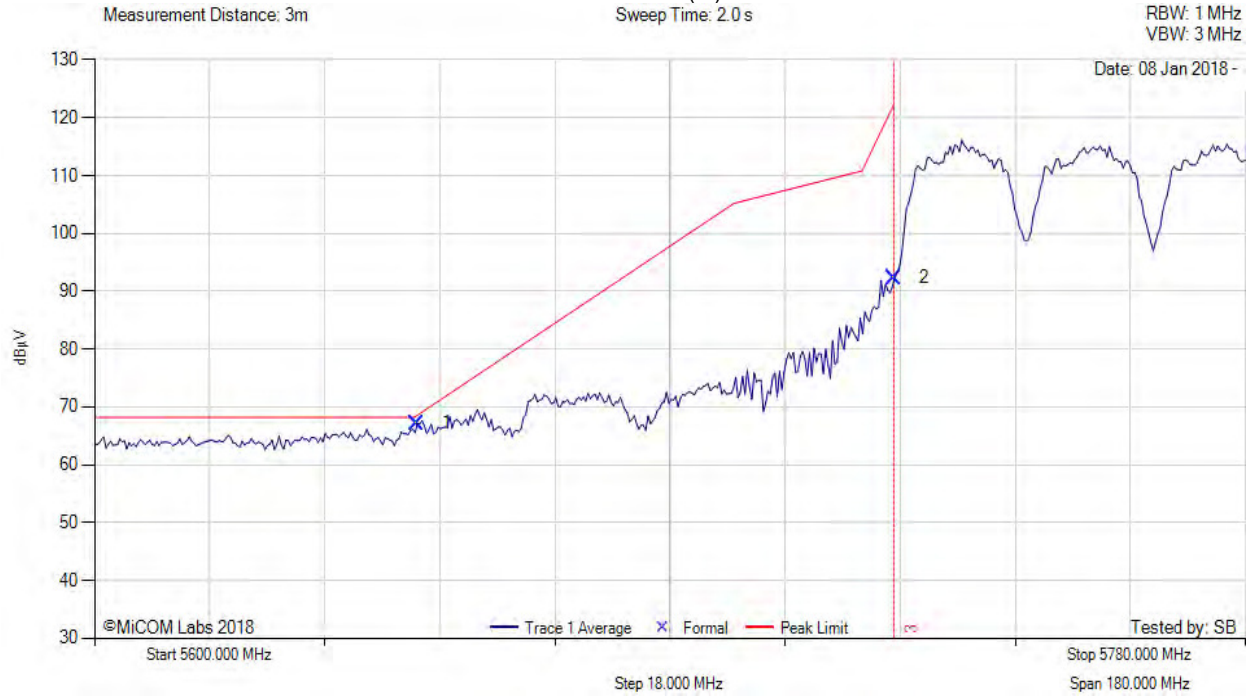
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5745.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 16.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5650.43	29.31	3.21	34.63	67.15	Max Avg	Horizontal	154	11	68.2	-1.1	Pass
2	5725.00	54.42	3.17	34.72	92.31	Max Avg	Horizontal	154	11	122.2	-29.9	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

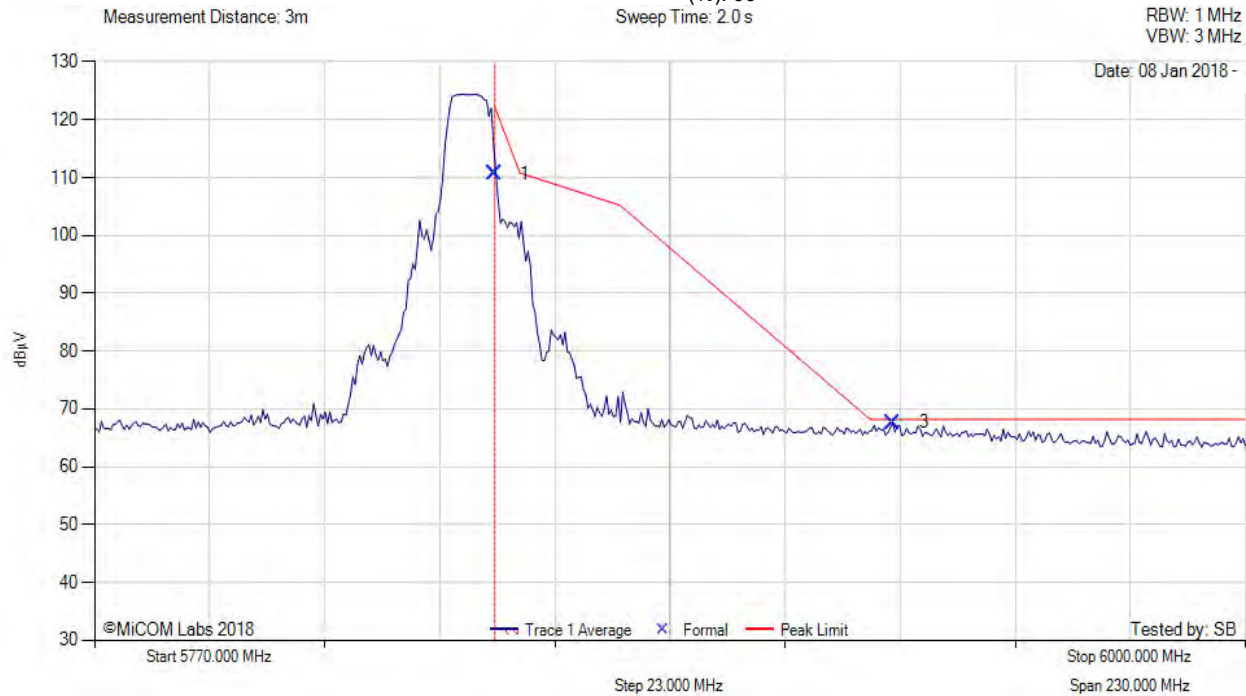
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 MHz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 23, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	72.49	3.20	34.96	110.65	Max Avg	Horizontal	154	11	122.2	-11.55	Pass
3	5929.60	29.38	3.18	35.11	67.67	Max Avg	Horizontal	154	11	68.2	-0.53	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

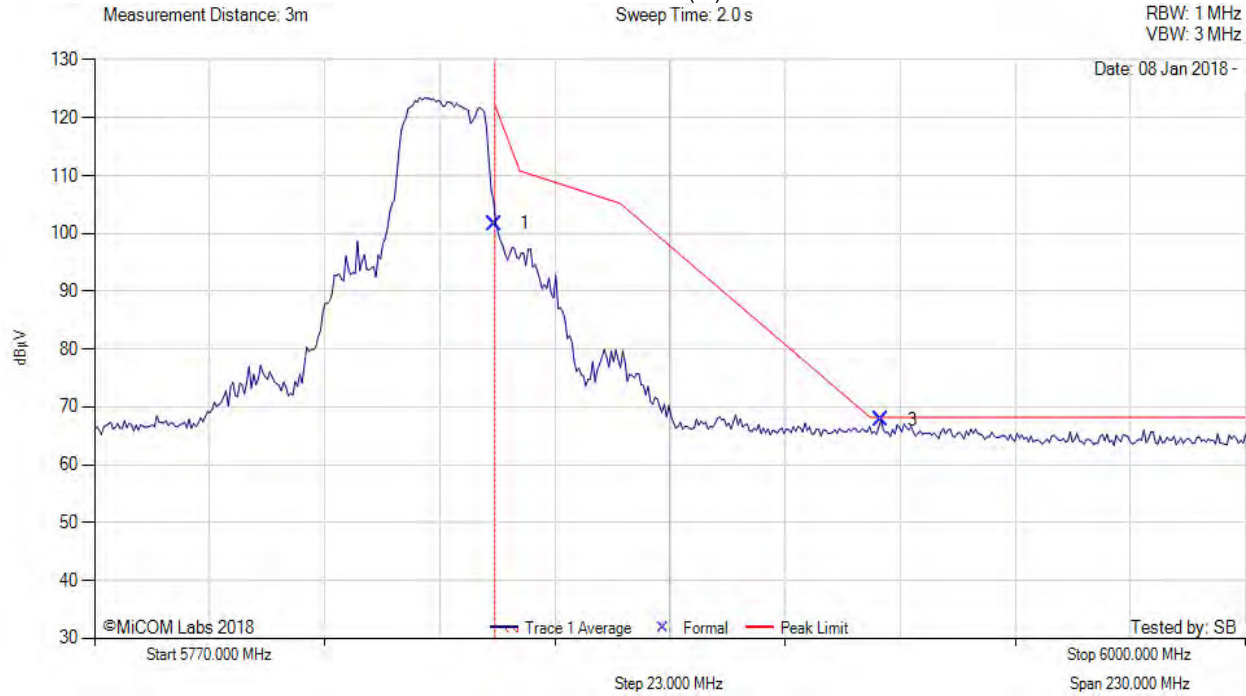
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 22, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	63.52	3.20	34.96	101.68	Max Avg	Horizontal	152	16	122.2	-20.52	Pass
3	5927.29	29.42	3.19	35.11	67.72	Max Avg	Horizontal	152	16	68.2	-0.48	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

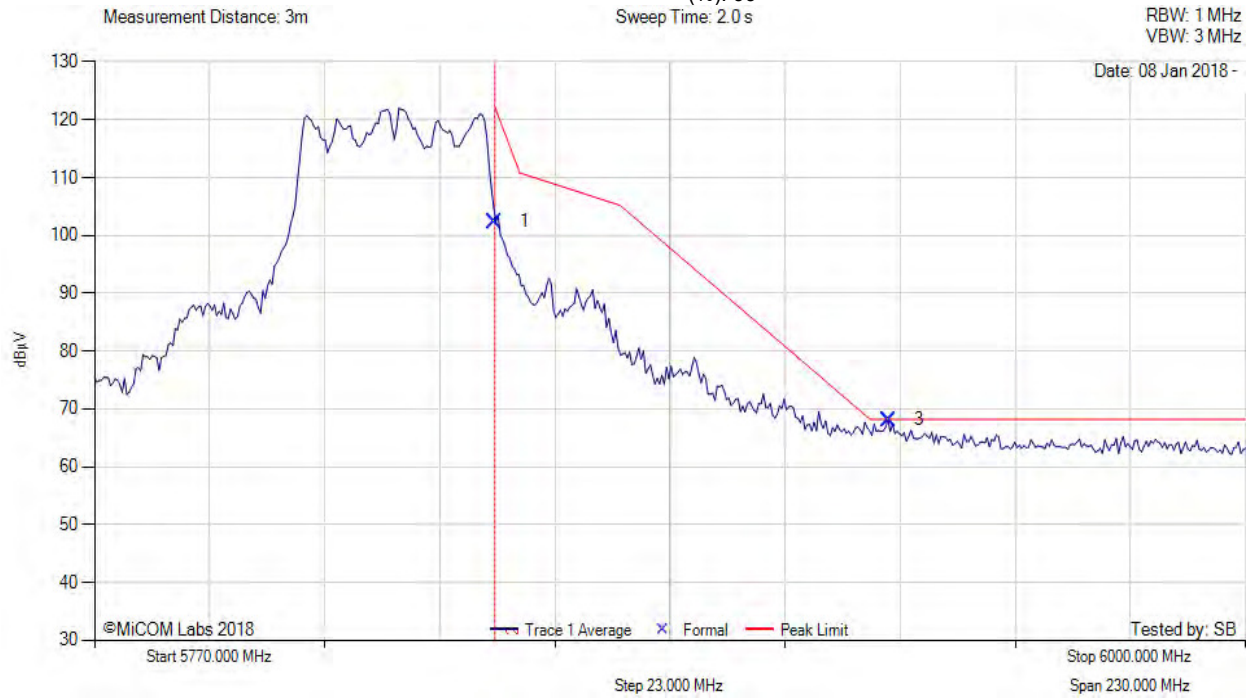
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 21.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	64.26	3.20	34.96	102.42	Max Avg	Horizontal	152	16	122.2	-19.78	Pass
3	5928.68	29.87	3.18	35.11	68.16	Max Avg	Horizontal	152	16	68.2	-0.04	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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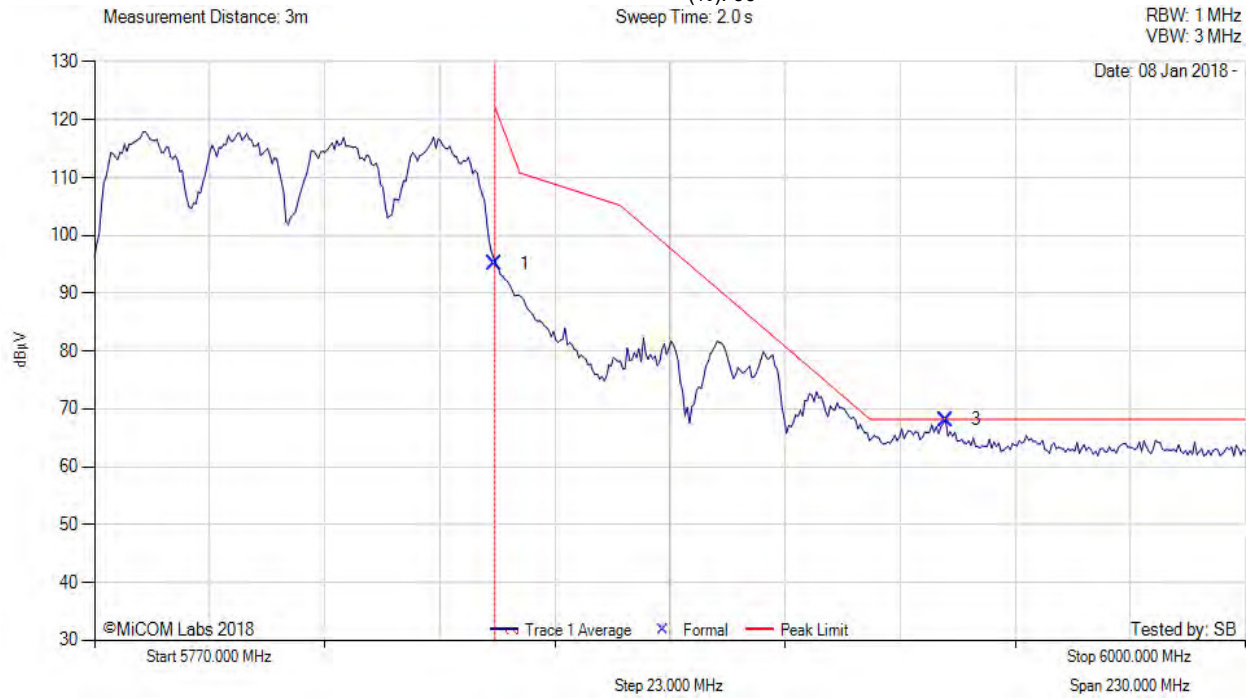


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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RADWIN Ltd. RW-9401-5007, Power Setting: 18, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	56.99	3.20	34.96	95.15	Max Avg	Horizontal	152	16	122.2	-27.05	Pass
3	5940.20	29.76	3.21	35.12	68.09	Max Avg	Horizontal	152	16	68.2	-0.11	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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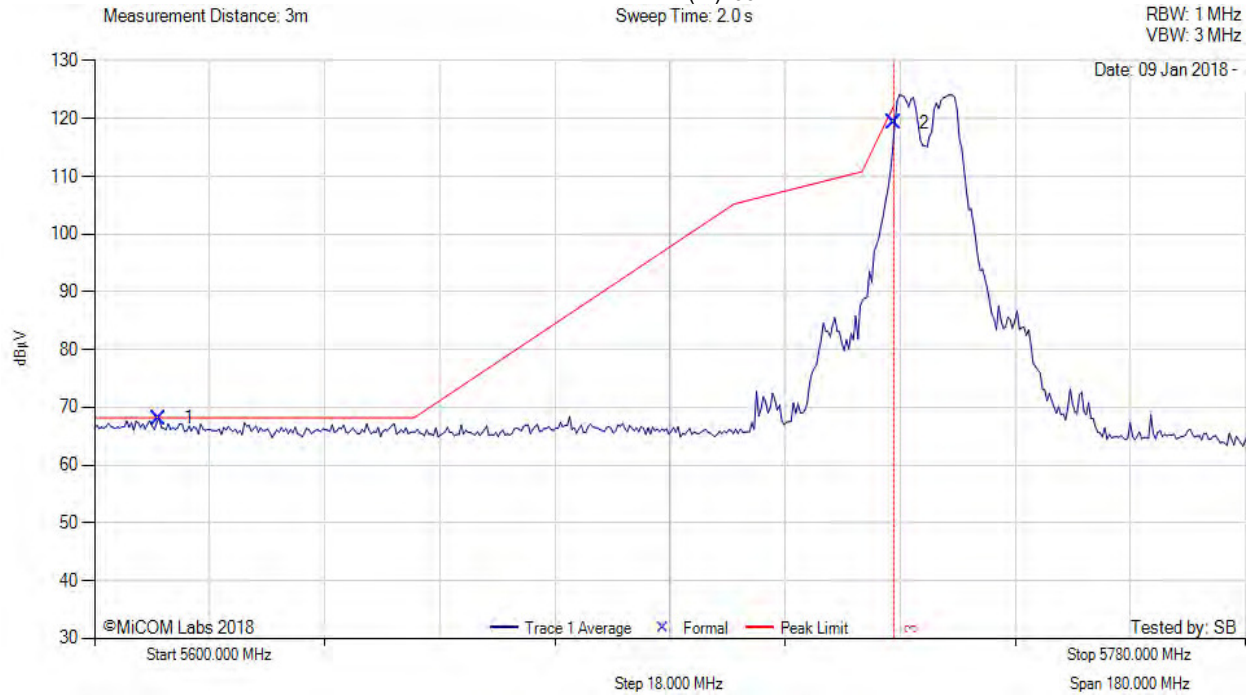
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A.1.2.12. RADWIN Ltd. RW-9402-5004

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 22, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5610.03	30.28	3.21	34.65	68.14	Max Avg	Vertical	199	9	68.2	-0.1	Pass
2	5725.00	81.31	3.17	34.72	119.20	Max Avg	Vertical	199	9	122.2	-3.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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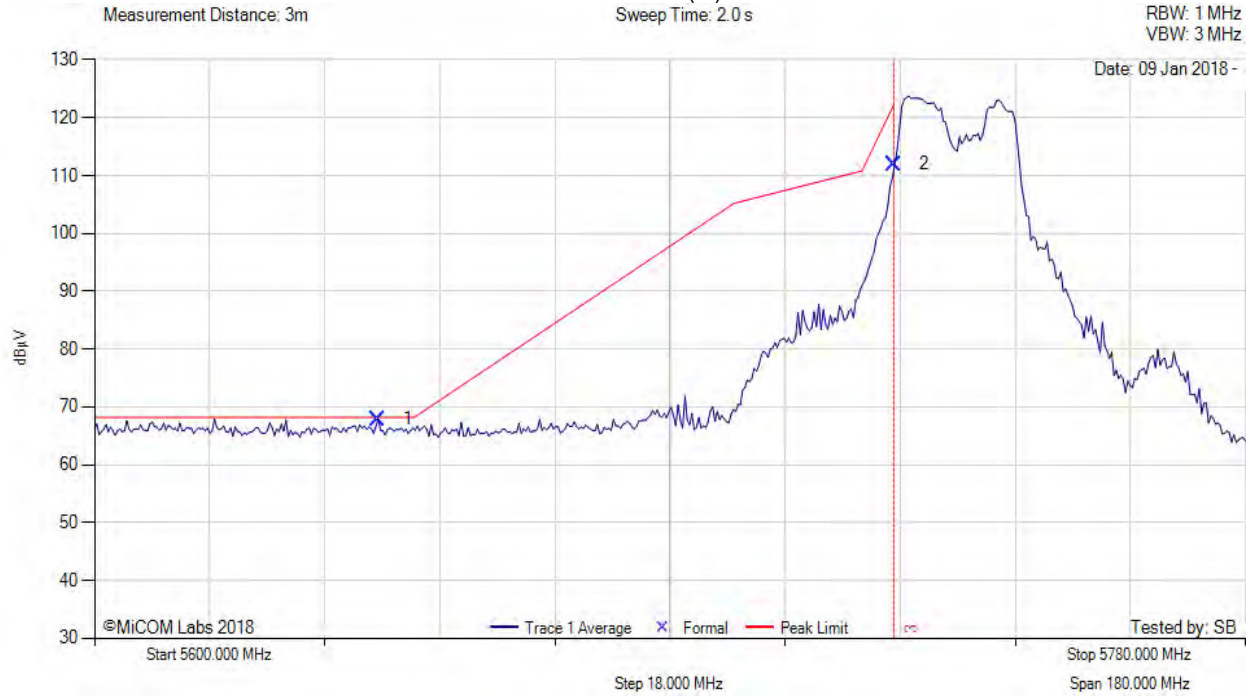


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 22, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5644.30	30.05	3.19	34.63	67.87	Max Avg	Vertical	200	4	68.2	-0.4	Pass
2	5725.00	74.12	3.17	34.72	112.01	Max Avg	Vertical	200	4	122.2	-10.2	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

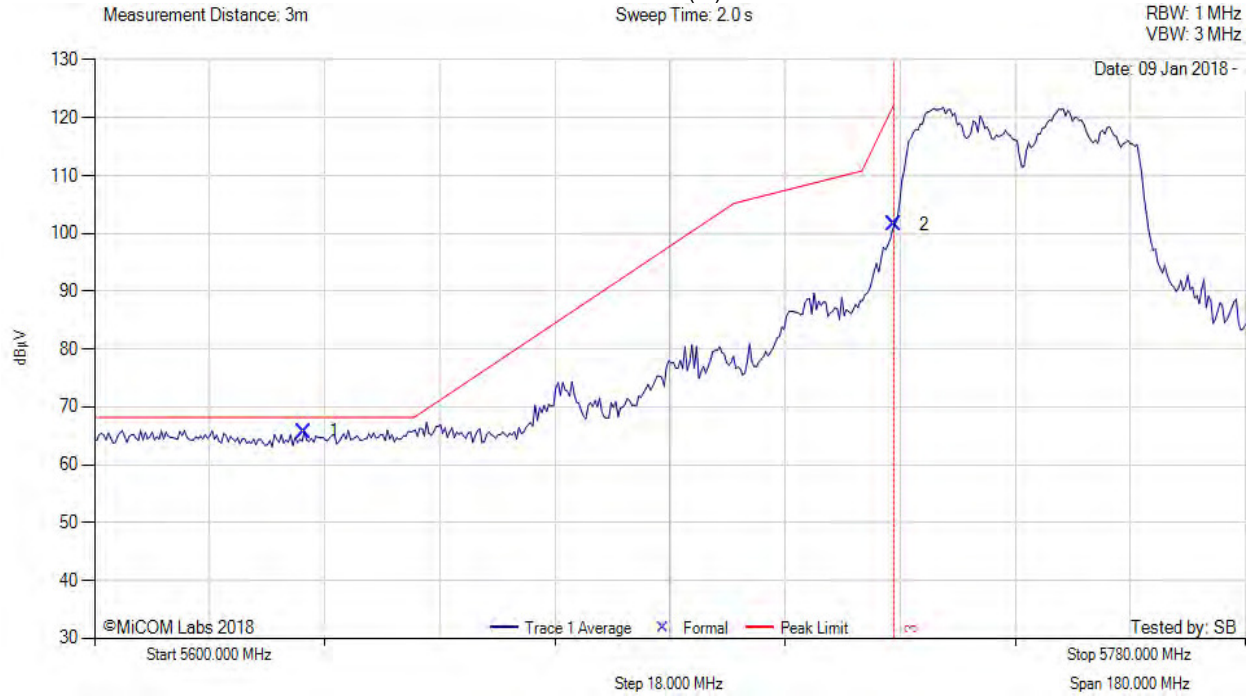
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5745.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 21, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5632.76	27.92	3.21	34.64	65.77	Max Avg	Vertical	200	4	68.2	-2.5	Pass
2	5725.00	63.71	3.17	34.72	101.60	Max Avg	Vertical	200	4	122.2	-20.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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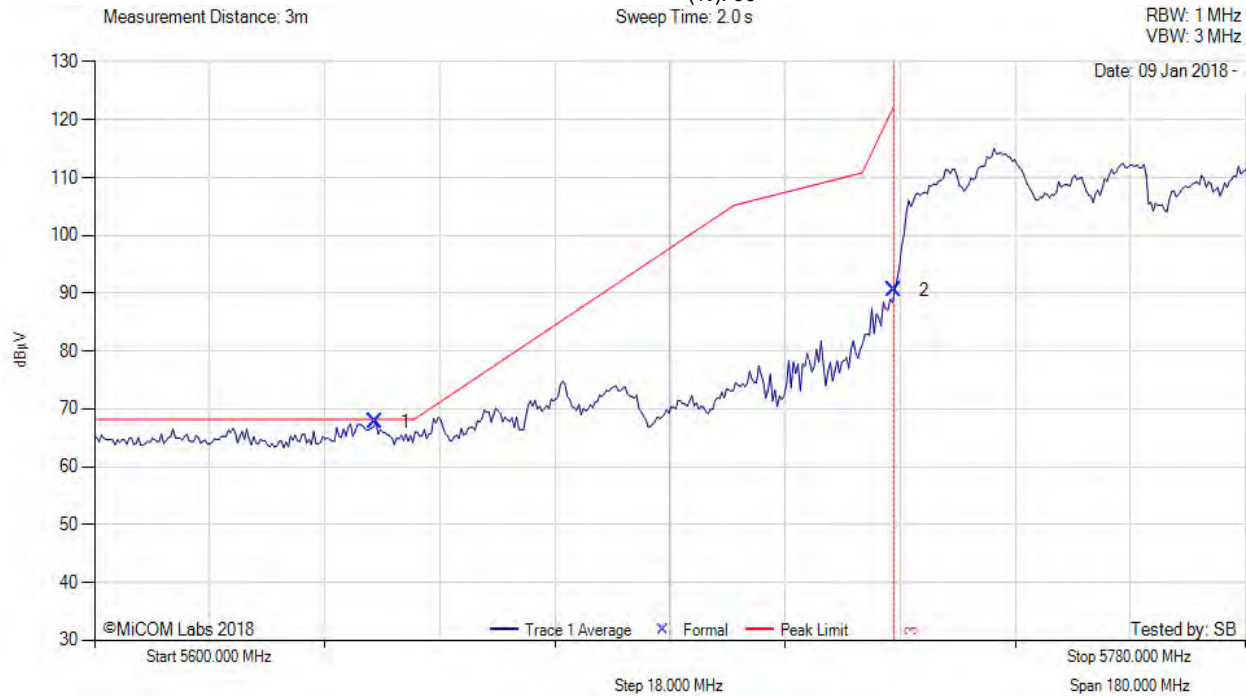


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5765.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 16.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5643.94	29.92	3.19	34.63	67.74	Max Avg	Vertical	200	4	68.2	-0.5	Pass
2	5725.00	52.62	3.17	34.72	90.51	Max Avg	Vertical	200	4	122.2	-31.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

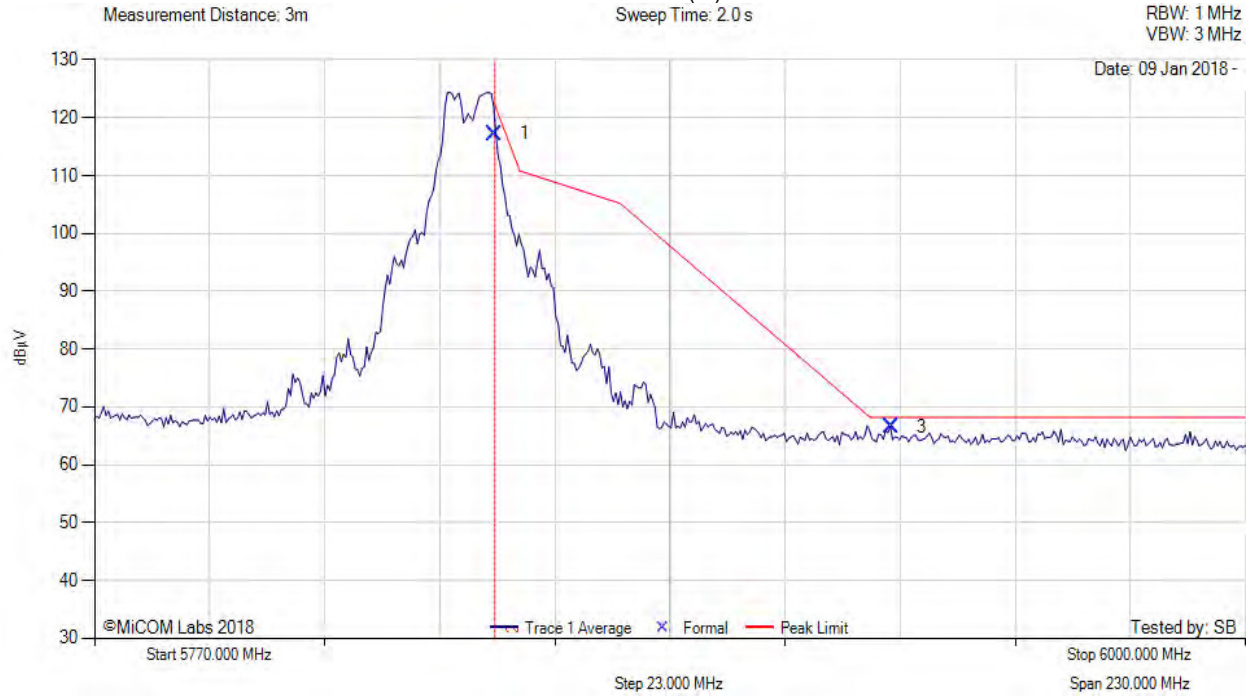
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 MHz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 28, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	79.04	3.20	34.96	117.20	Max Avg	Vertical	200	8	122.2	-5.0	Pass
3	5929.14	28.32	3.18	35.11	66.61	Max Avg	Vertical	200	8	68.2	-1.6	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

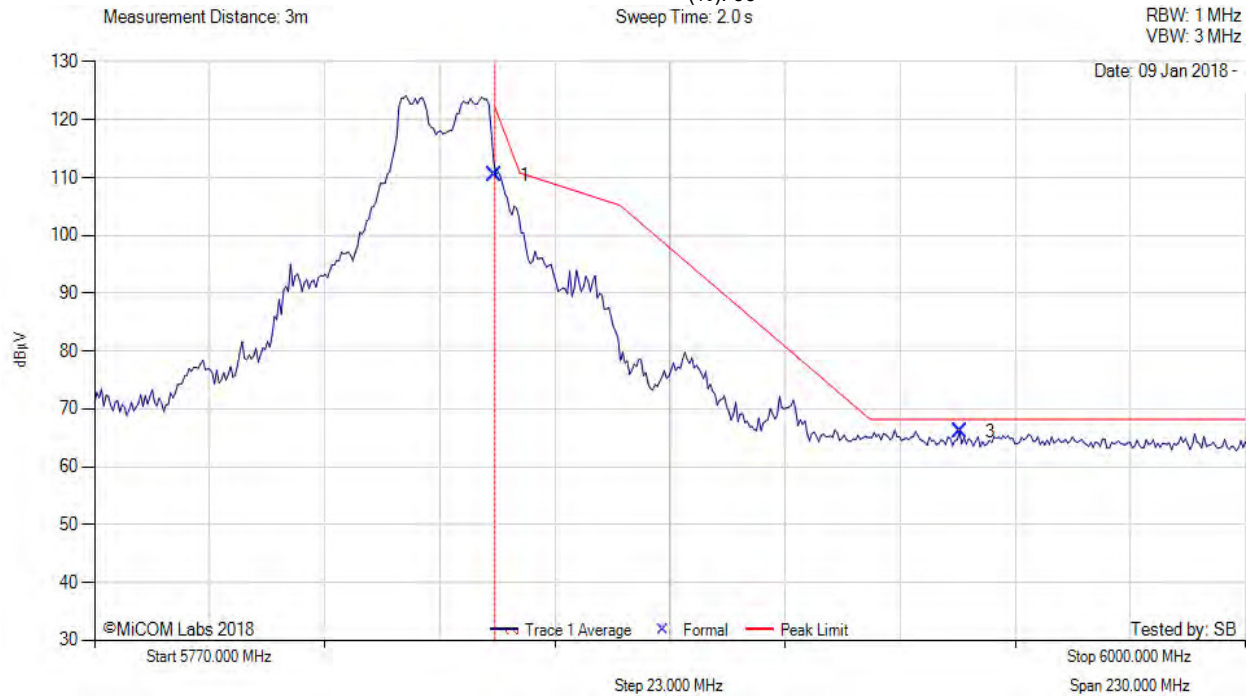
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 28, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	72.26	3.20	34.96	110.42	Max Avg	Vertical	200	8	122.2	-11.78	Pass
3	5942.97	27.68	3.22	35.12	66.02	Max Avg	Vertical	200	8	68.2	-2.2	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

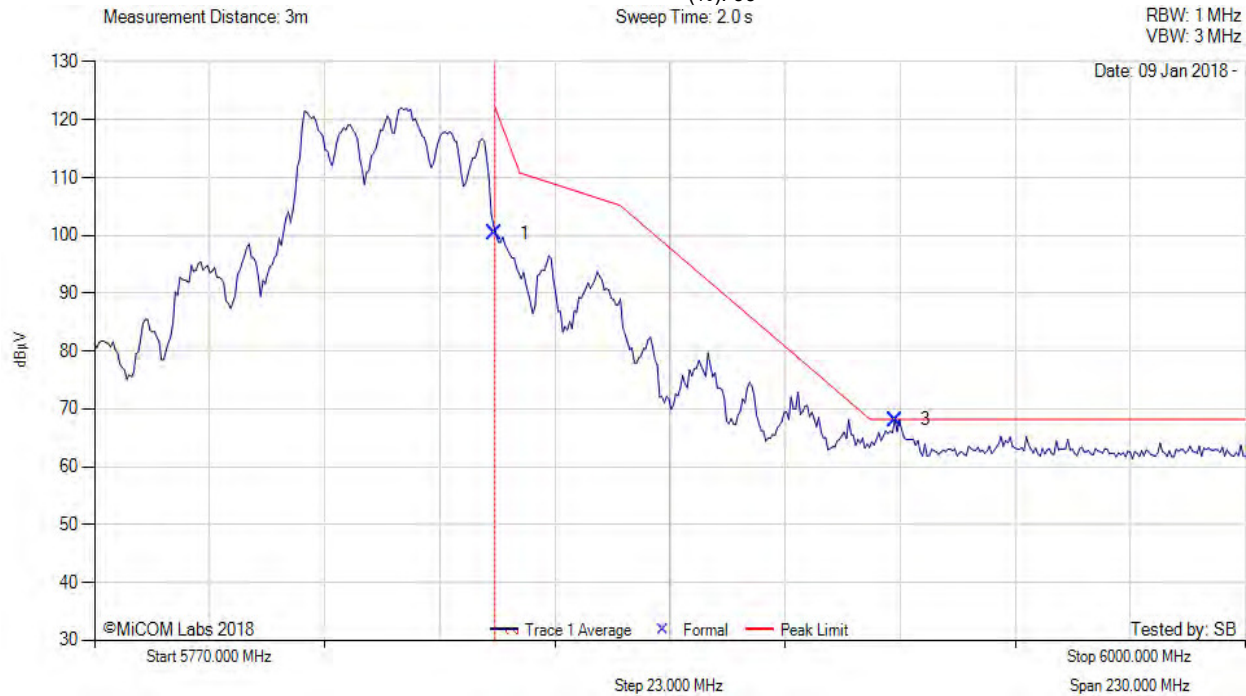
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 24, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	62.16	3.20	34.96	100.32	Max Avg	Vertical	200	4	122.2	-21.88	Pass
3	5930.06	29.82	3.18	35.11	68.11	Max Avg	Vertical	200	4	68.2	-0.1	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

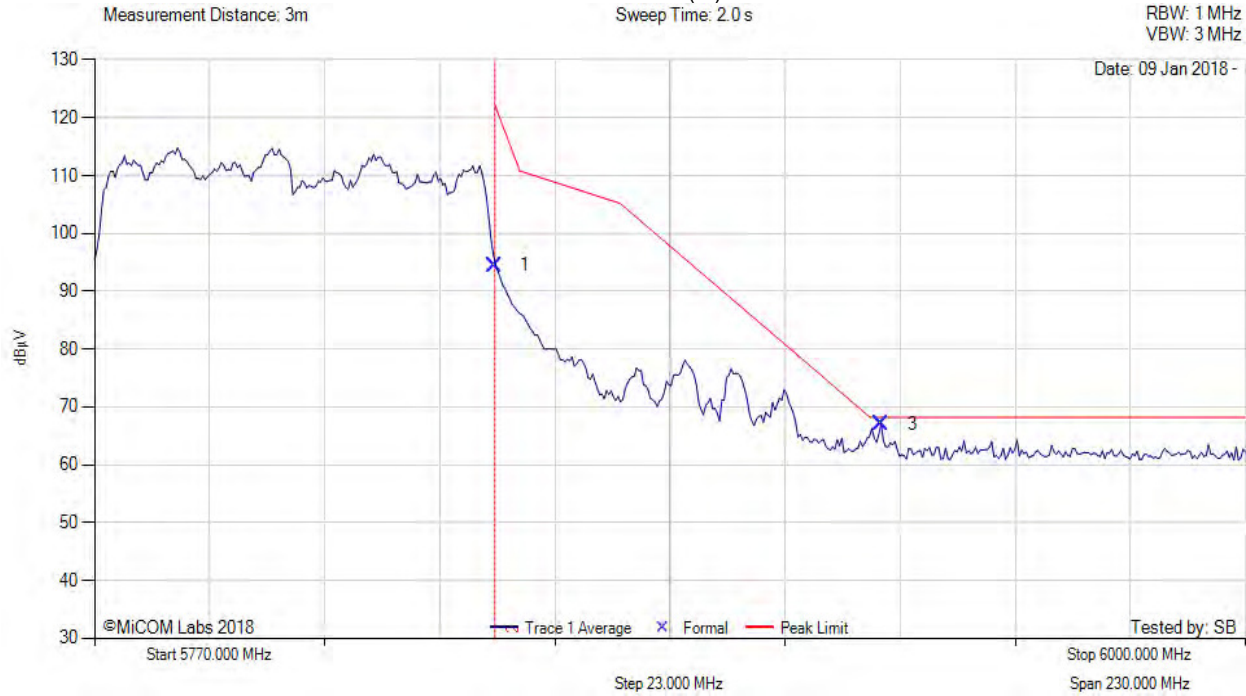
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RADWIN Ltd. RW-9402-5004, Power Setting: 18, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	56.35	3.20	34.96	94.51	Max Avg	Vertical	200	4	122.2	-27.69	Pass
3	5927.29	28.80	3.19	35.11	67.10	Max Avg	Vertical	200	4	68.2	-1.1	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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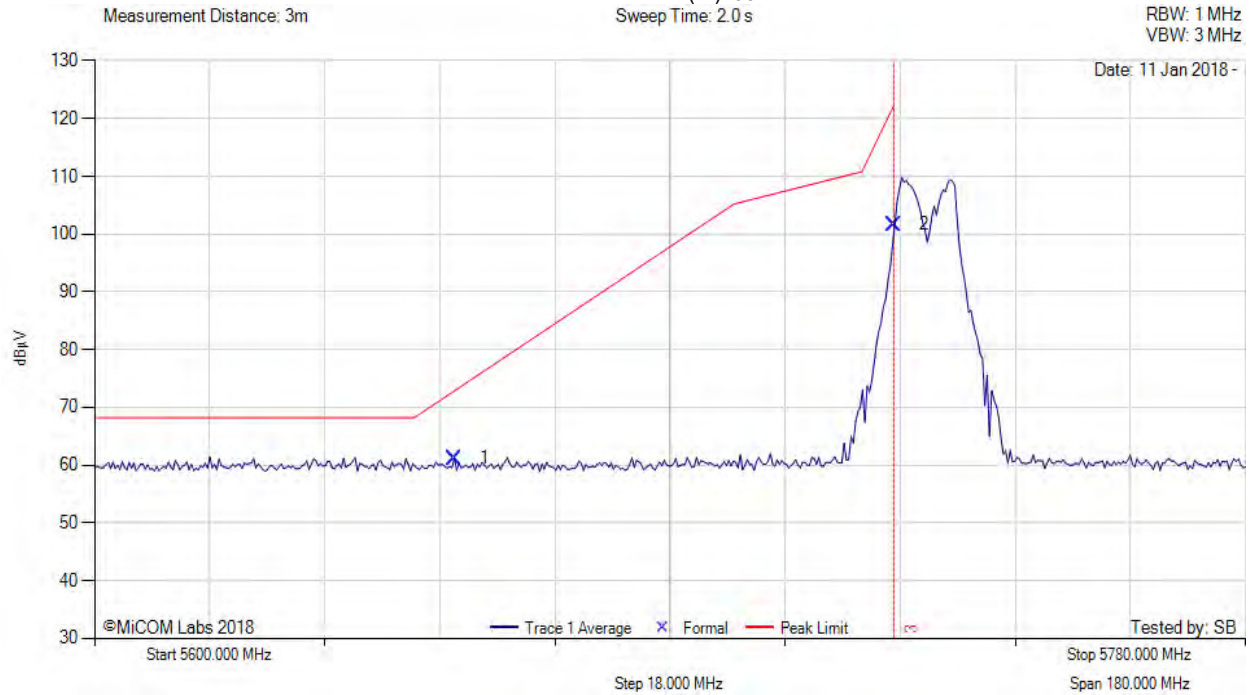
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A.1.2.13. RADWIN Ltd. RW-9531-5002

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 MHz, Test Freq: 5730.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 9.0, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5656.20	23.36	3.21	34.64	61.21	Max Avg	Vertical	184	4	72.6	-11.4	Pass
2	5725.00	63.81	3.17	34.72	101.70	Max Avg	Vertical	184	4	122.2	-20.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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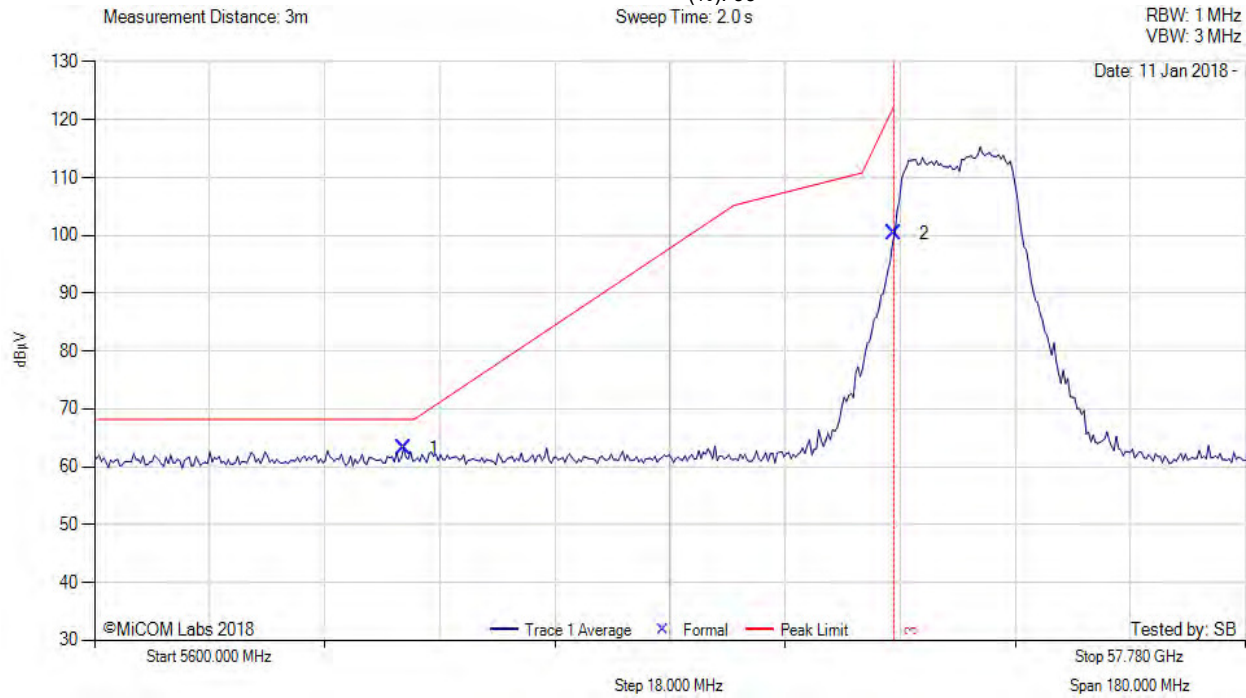


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 9.0, Duty Cycle (%): 99



5600.00 - 57780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5648.27	25.36	3.20	34.63	63.19	Max Avg	Horizontal	184	4	68.2	-5.0	Pass
2	5725.00	62.43	3.17	34.72	100.32	Max Avg	Horizontal	184	4	122.2	-21.9	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

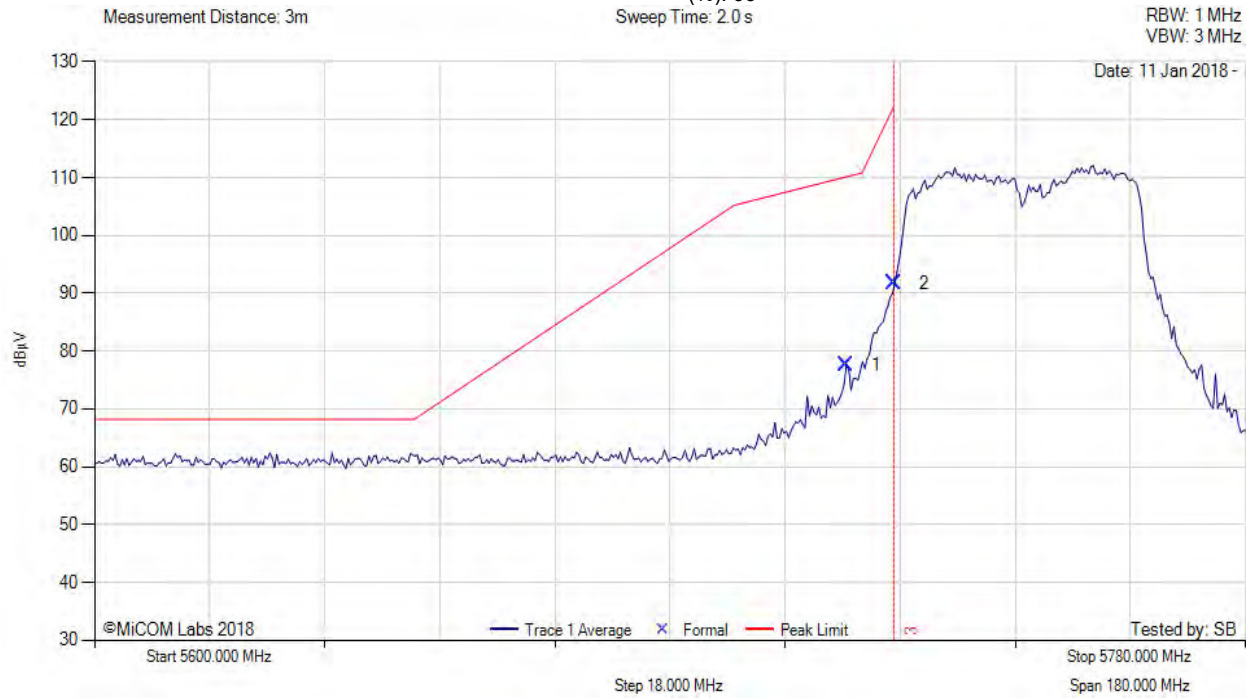
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5745.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 9.0, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5717.53	39.77	3.18	34.71	77.66	Max Avg	Horizontal	175	4	110.2	-32.6	Pass
2	5725.00	53.85	3.17	34.72	91.74	Max Avg	Horizontal	175	4	122.2	-30.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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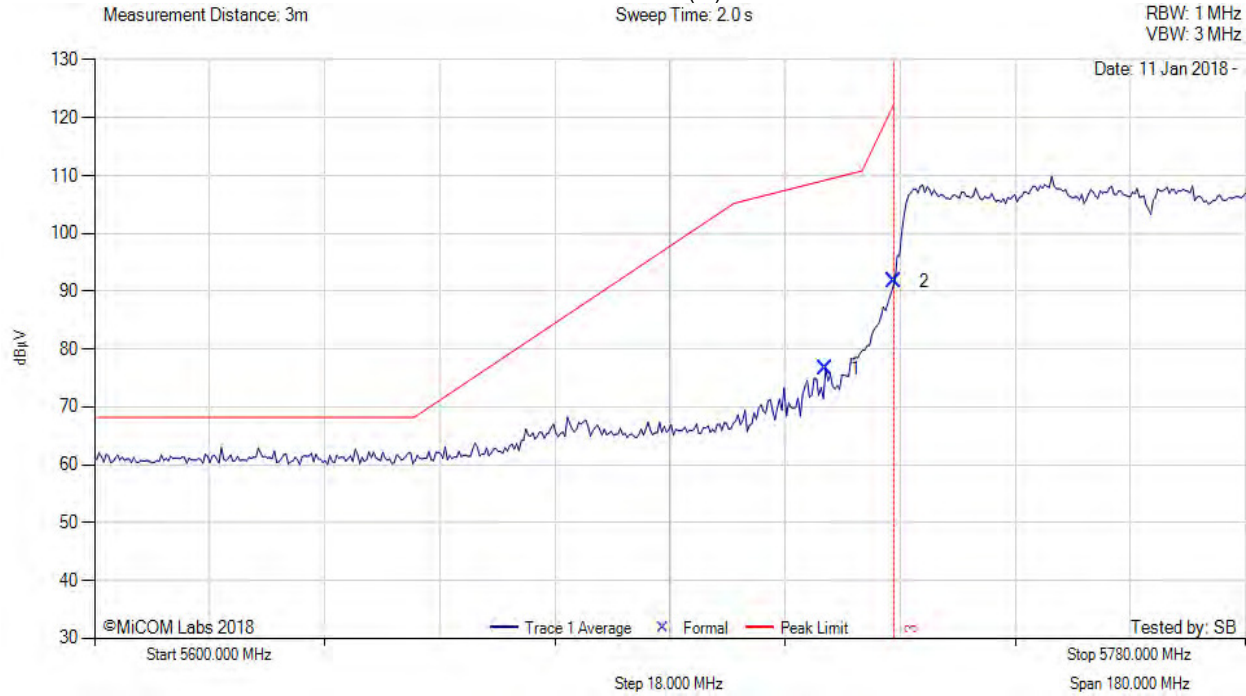


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5765.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 9.0, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.28	38.68	3.19	34.70	76.57	Max Avg	Horizontal	175	4	109.1	-32.6	Pass
2	5725.00	53.77	3.17	34.72	91.66	Max Avg	Horizontal	175	4	122.2	-30.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

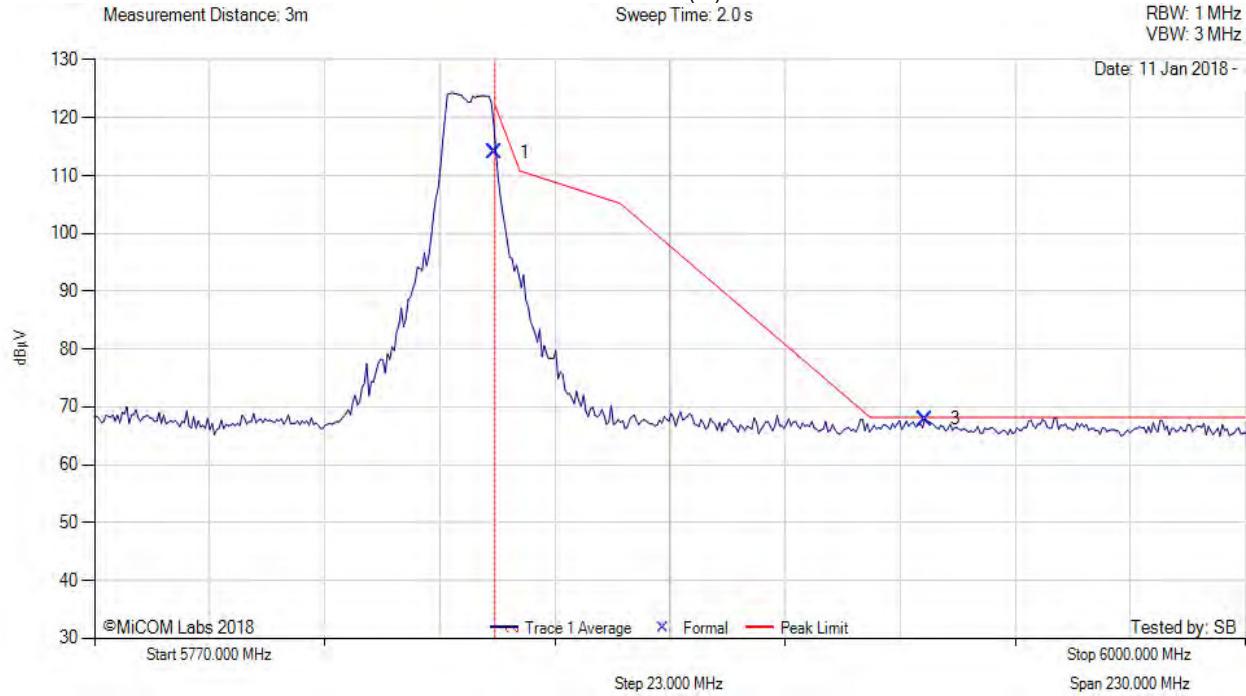
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 20, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	75.88	3.20	34.96	114.04	Max Avg	Horizontal	175	4	122.2	-8.16	Pass
3	5936.05	29.57	3.20	35.11	67.88	Max Avg	Horizontal	175	4	68.2	-0.32	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

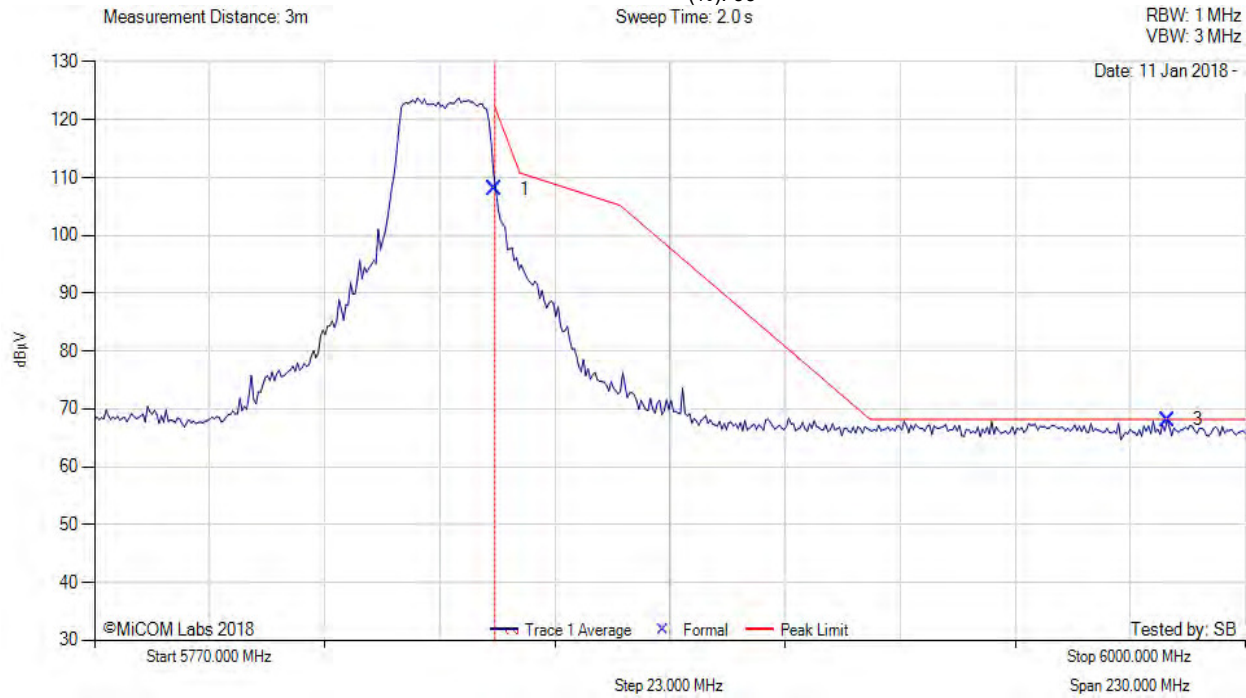
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 21, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	69.79	3.20	34.96	107.95	Max Avg	Horizontal	175	4	122.2	-14.25	Pass
3	5984.45	29.70	3.23	35.20	68.13	Max Avg	Horizontal	175	4	68.2	-0.07	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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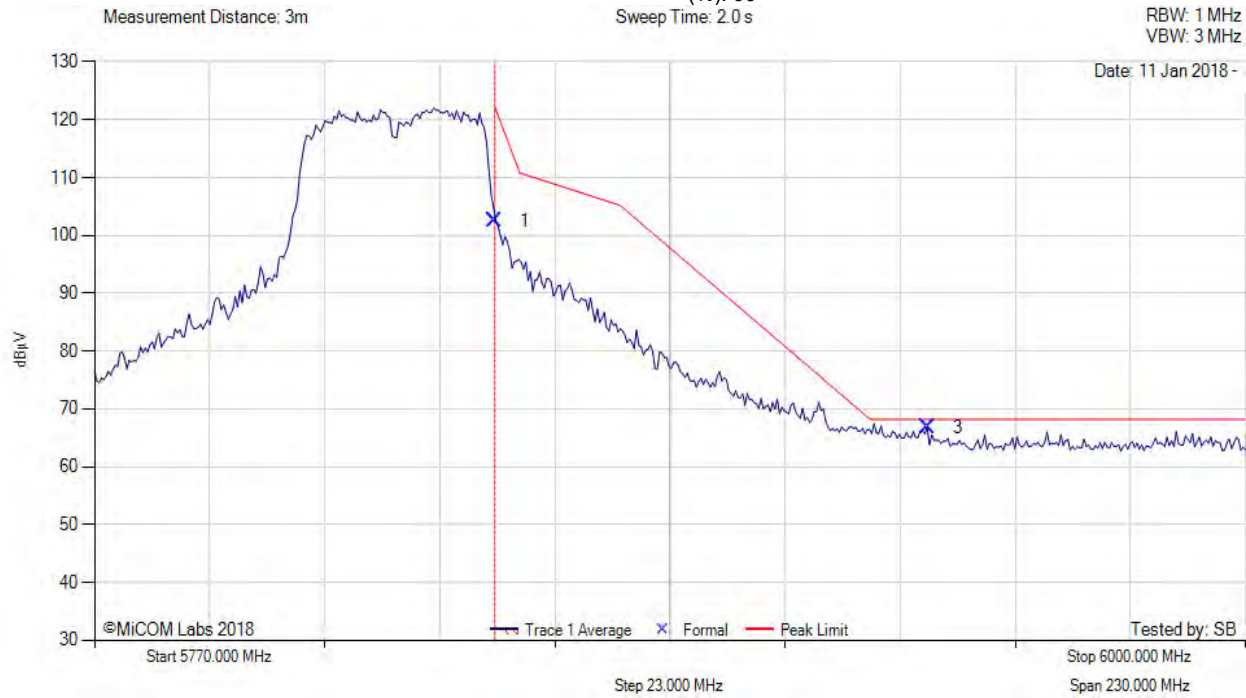


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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 20.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	64.37	3.20	34.96	102.53	Max Avg	Horizontal	175	4	122.2	-19.67	Pass
3	5936.51	28.56	3.20	35.11	66.87	Max Avg	Horizontal	175	4	68.2	-1.33	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

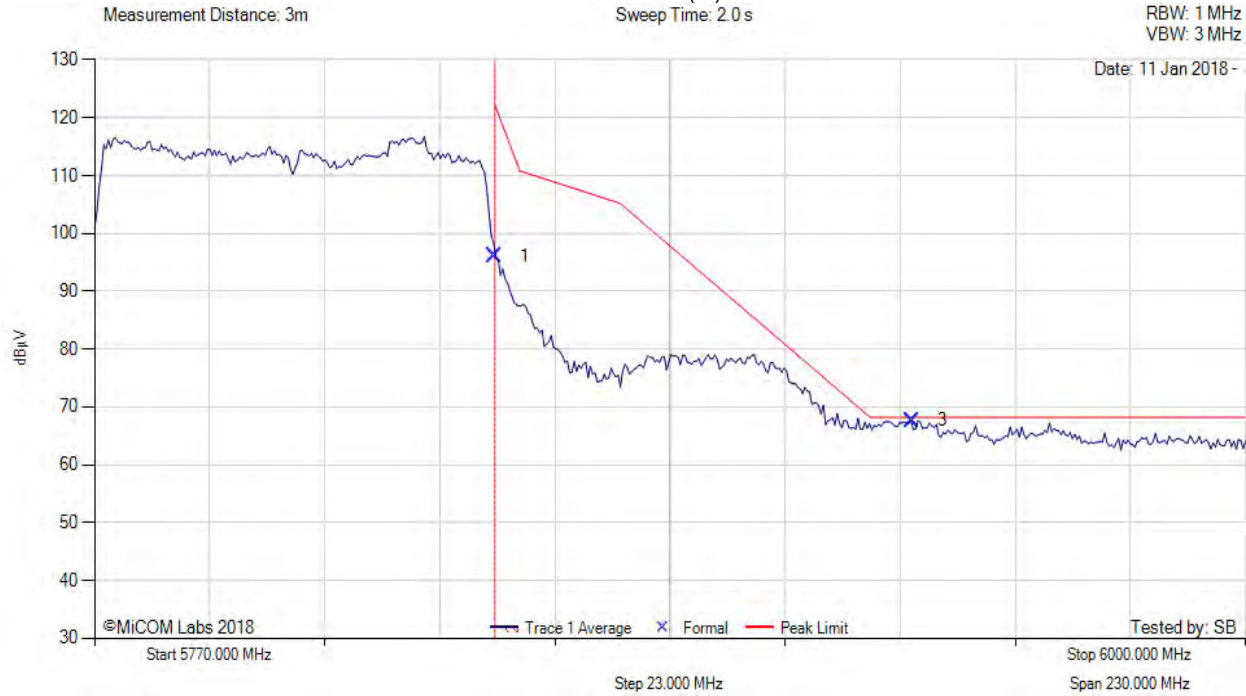
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RADWIN Ltd. RW-9531-5002, Power Setting: 17, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	57.86	3.20	34.96	96.02	Max Avg	Horizontal	175	4	122.2	-26.18	Pass
3	5933.29	29.36	3.19	35.11	67.66	Max Avg	Horizontal	175	4	68.2	-0.54	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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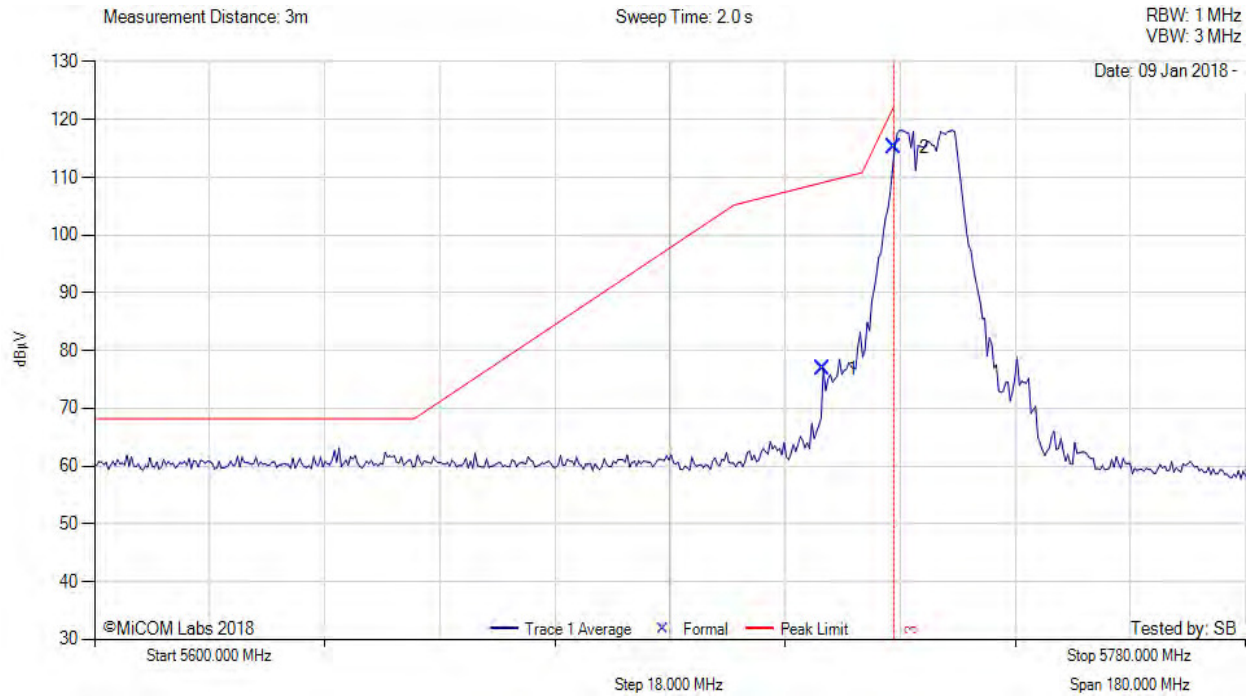


A.1.2.14. RADWIN Ltd. RW-9314-5158



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 10 Mhz, Test Freq: 5730.00 MHz, Antenna: RW-9314-5158, 5735, Power Setting: 19.0, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5713.92	39.00	3.19	34.70	76.89	Max Avg	Vertical	185	1	109.1	-32.2	Pass
2	5725.00	77.25	3.17	34.72	115.14	Max Avg	Vertical	185	1	122.2	-7.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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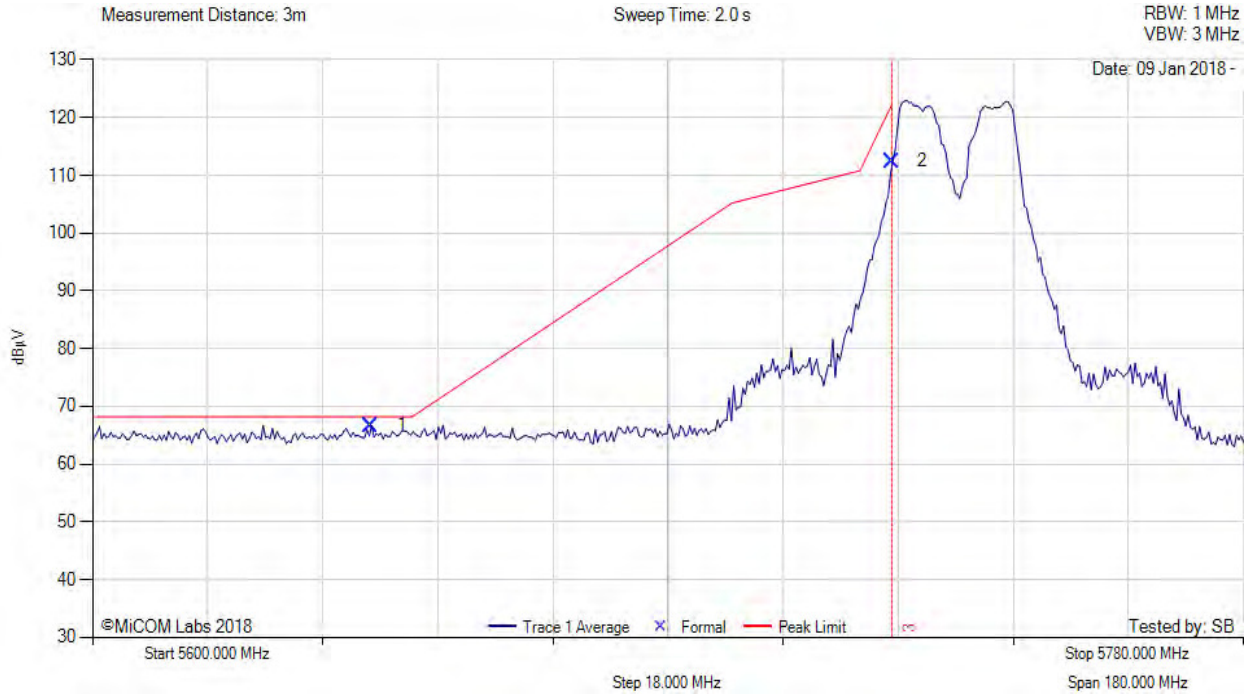


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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 20 MHz, Test Freq: 5735.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 19.0, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5643.58	28.84	3.19	34.63	66.66	Max Avg	Horizontal	185	1	68.2	-1.6	Pass
2	5725.00	74.52	3.17	34.72	112.41	Max Avg	Horizontal	185	1	122.2	-9.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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5725 MHz RADIATED BAND-EDGE EMISSIONS

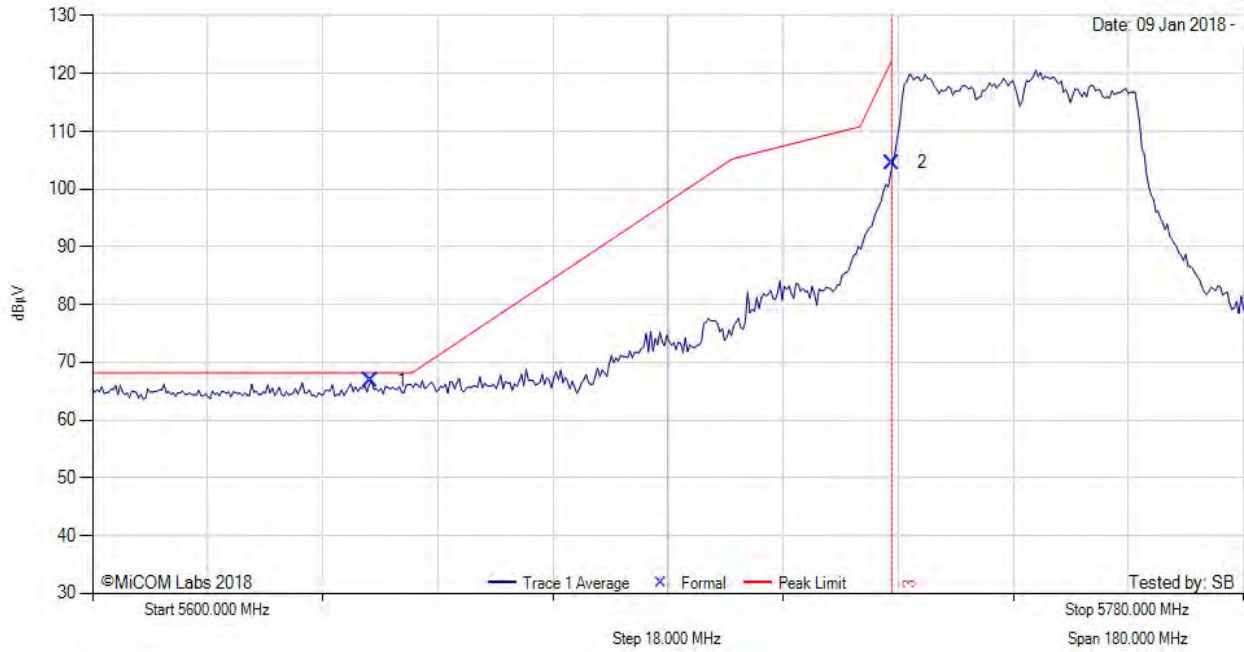
Variant: 40 Mhz, Test Freq: 5745.00 MHz, RW-9314-5158. 5735, Power Setting: 19.0, Duty Cycle (%): 99

Measurement Distance: 3m

Sweep Time: 2.0 s

RBW: 1 MHz
VBW: 3 MHz

Date: 09 Jan 2018 -



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5643.58	28.98	3.19	34.63	66.80	Max Avg	Horizontal	185	1	68.2	-1.4	Pass
2	5725.00	66.67	3.17	34.72	104.56	Max Avg	Horizontal	185	1	122.2	-17.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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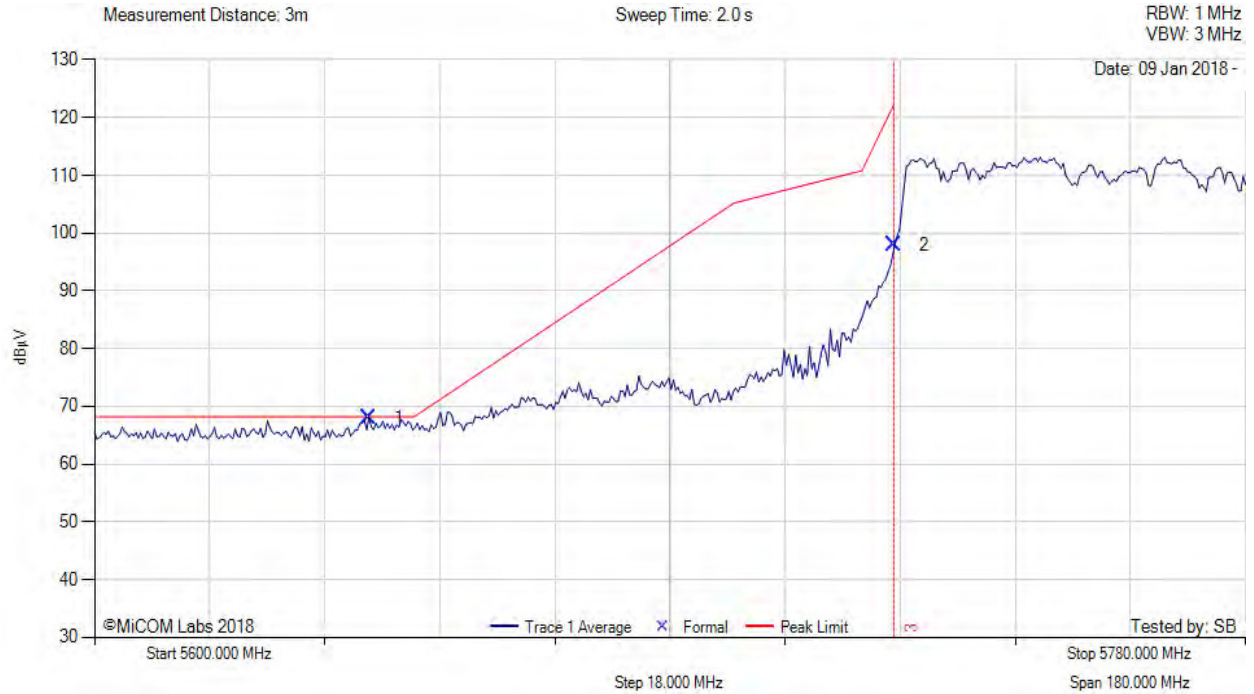


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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 80 Mhz, Test Freq: 5765.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 15.5, Duty Cycle (%): 99



5600.00 - 5780.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5642.86	30.20	3.18	34.63	68.01	Max Avg	Horizontal	185	1	68.2	-0.2	Pass
2	5725.00	60.11	3.17	34.72	98.00	Max Avg	Horizontal	185	1	122.2	-24.2	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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5850 MHz RADIATED BAND-EDGE EMISSIONS



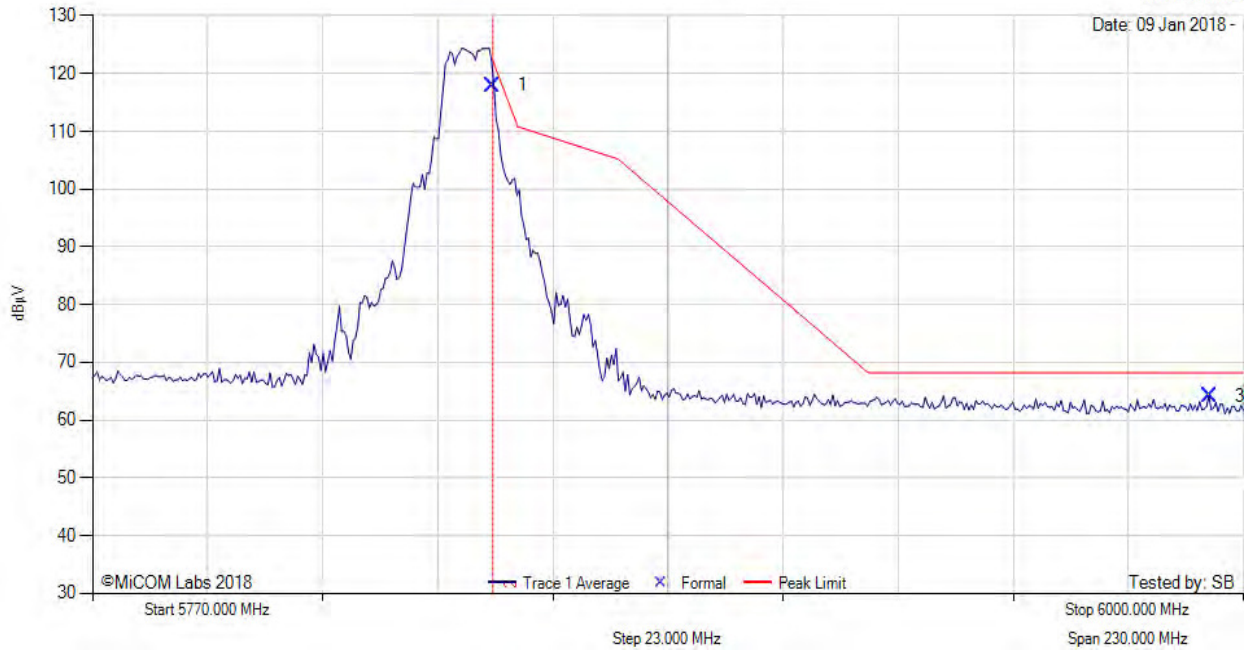
Variant: 10 Mhz, Test Freq: 5845.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 24.5, Duty Cycle (%): 99

Measurement Distance: 3m

Sweep Time: 2.0 s

RBW: 1 MHz
VBW: 3 MHz

Date: 09 Jan 2018 -



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	79.78	3.20	34.96	117.94	Max Avg	Vertical	185	6	122.2	-4.26	Pass
3	5993.21	25.72	3.23	35.22	64.17	Max Avg	Vertical	185	6	68.2	-4.03	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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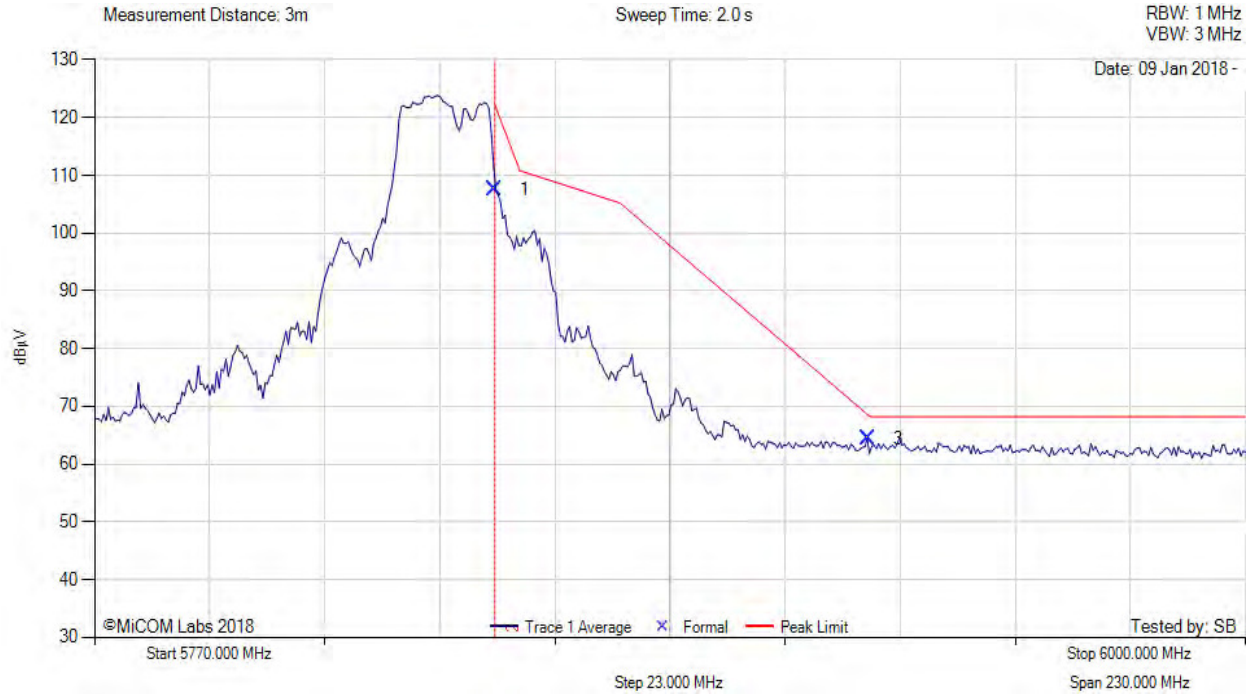


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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 20 MHz, Test Freq: 5840.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 24.5, Duty Cycle (%): 99



5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	69.35	3.20	34.96	107.51	Max Avg	Vertical	185	6	122.2	-14.69	Pass
3	5924.53	26.07	3.19	35.11	64.37	Max Avg	Vertical	185	6	68.2	-3.83	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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5850 MHz RADIATED BAND-EDGE EMISSIONS

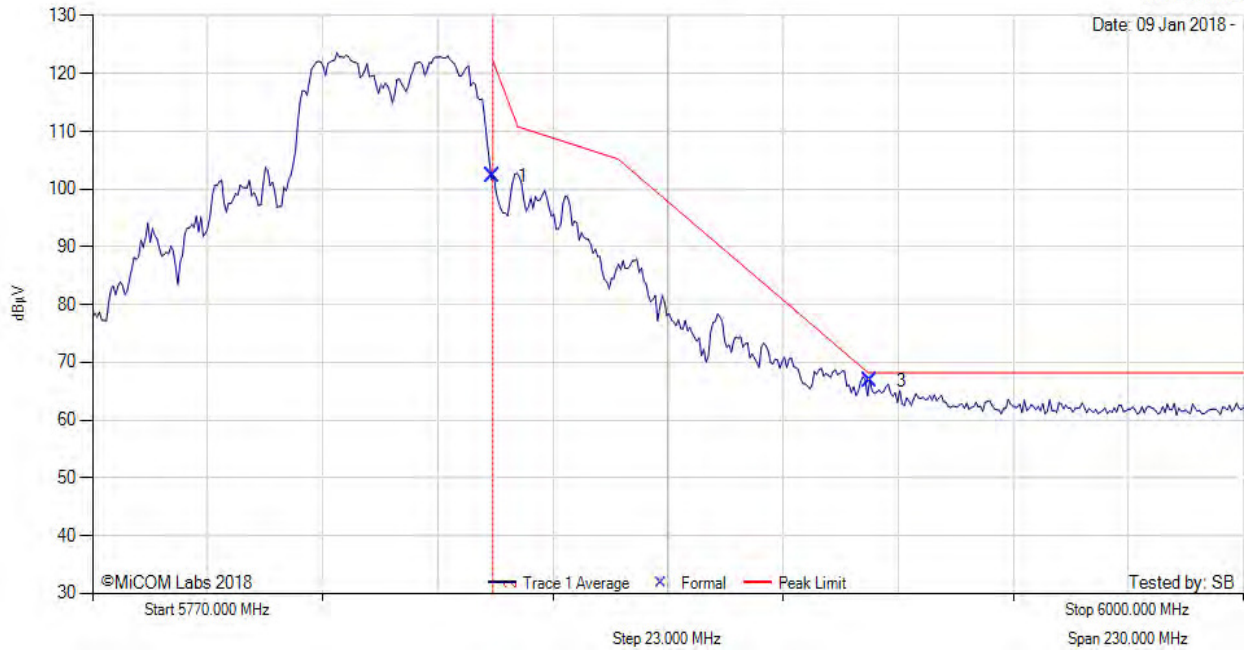
Variant: 40 Mhz, Test Freq: 5830.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 24.5, Duty Cycle (%): 99

Measurement Distance: 3m

Sweep Time: 2.0 s

RBW: 1 MHz
VBW: 3 MHz

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5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	64.08	3.20	34.96	102.24	Max Avg	Vertical	185	1	122.2	-19.96	Pass
3	5925.45	28.55	3.19	35.11	66.85	Max Avg	Vertical	185	1	68.2	-1.35	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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5850 MHz RADIATED BAND-EDGE EMISSIONS



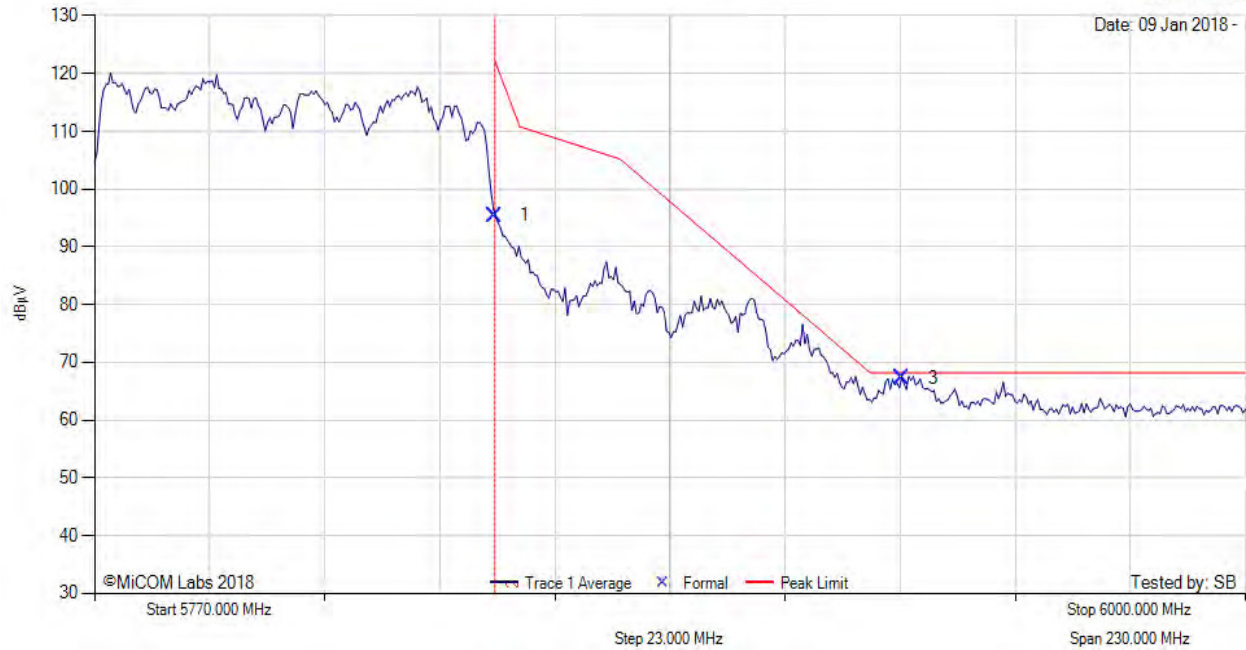
Variant: 80 Mhz, Test Freq: 5810.00 MHz, Antenna: RW-9314-5158. 5735, Power Setting: 21, Duty Cycle (%): 99

Measurement Distance: 3m

Sweep Time: 2.0 s

RBW: 1 MHz
VBW: 3 MHz

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5770.00 - 6000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	57.24	3.20	34.96	95.40	Max Avg	Horizontal	185	1	122.2	-26.80	Pass
3	5931.44	29.06	3.18	35.11	67.35	Max Avg	Horizontal	185	1	68.2	-0.9	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

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