TELTEST Laboratories
Tait International Ltd
Report Number 4403

Laboratory Test Report

ELECTROMAGNETIC COMPATIBILITY

for the

TMCN0B Multiband Mobile Transceiver

Tested In accordance with

47CFR 15.107, 15.109, & 15.111

Report Revision:	1
Issue Date:	19 March 2025
FCC ID:	CASTMCN0B

PREPARED BY: J. J. Aro
Test Technician

CHECKED & APPROVED BY: M. C. James
Laboratory Technical Manager

ACCREDITED
TESTING LABORATORY
№ 9, 577

Tests indicated as not accredited are outside the laboratory's scope of accreditation.

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Revision History

Date	Revision	Comments
19 March 2025	1	Initial test report

Introduction

Type approval testing of the TMCN0B, Multiband Mobile Transceiver in order to demonstrate compliance with 47CFR 15.107, 15.109 & 15.111.

Report Prepared For

Tait International Ltd
245 Wooldridge Road
Harewood
Christchurch 8051
New Zealand

Description of Samples

Manufacturer	Tait International Limited
Equipment:	Mobile Transceiver
Type:	TMCN0B
Product code:	T02-00014-UFZZ
Serial Numbers:	Sample A (21708860) & Sample B (21708864)
Quantity:	2

Hardware & Software Sample A:

Control Head Hardware ID	TMBC62-0100_0001
Control Head Firmware Package	QIDMR_TRM52981.0020
Torso Hardware ID	TMCB14-N010_0003
Torso Firmware Package	QIDUAL_3.06.01.0009

Hardware & Software Sample B:

Control Head Hardware ID	TMBC62-0100_0001
Control Head Firmware Package	QIDUAL_3.06.01.0009
Torso Hardware ID	TMCB14-N010_0003
Torso Firmware Package	QIDUAL_3.06.01.0009

Programming Application: P25 Terminals Programming Application (20.25.9.104)

TEST REQUIREMENTS AND RESULT SUMMARY

FCC Specification	Test Items	Test Methods	Result
FCC 47 CFR 15.109	Receiver Spurious Emissions (Radiated)	ANSI C63.4 8.3 *	Pass
FCC 47 CFR 15.111	Receiver Spurious Emissions (Conducted)	TIA-603-E 2.1.2	Pass
FCC 47 CFR 15.107	Power Line Conducted Emissions	ANSI C63.4 7.3	Pass

*Not Accredited

Statement of Compliance

The TMCN0B Mobile transceiver as tested in this report was found to conform to the following standards:

47CFR 15.107, 15.109 & 15.111

The results obtained in this test report pertain only to the item(s) tested. Teltest does not make any claims of compliance for samples or variants that were not tested.

Test Conditions

Environmental Conditions

All testing was performed between 12 → 17 March 2025, and under the following conditions:

Ambient Temperature: 15° C → 30° C
Relative Humidity: 20% → 75%
Standard Test Voltage: 13.8 V_{DC}

The tests were carried out using two identical samples. They have the same hardware configuration and software versions, with the only difference being the control head and the number of programmed channels in each radio.

Measurement Frequency Range for Unintentional Radiators

The measured frequency range is determined in accordance with FCC 47CFR 15.33 (b) (1)

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement (MHz)	Upper frequency selected for test
Below 1.705	30	☐
1.705 – 108	1000	☐
108 – 500	2000	☐
500 – 1000	5000	☑
Above 1000	5th Harmonic of highest frequency or 40 GHz, whichever is lower	☐ MHz

Test Results

RADIATED SPURIOUS EMISSIONS – Unintentional Radiator

Note: This test is not accredited

This test was conducted using Sample A.

SPECIFICATION: FCC 47 CFR 15.109

GUIDE: ANSI C63.4 8.3

MEASUREMENT PROCEDURE: Direct Measurement

Initial Scan:
1. The EUT is placed in the S-Line TEM cell and emissions are measured from 30 MHz to 700 MHz. Any emission within 10 dB of the limit is then re-tested on the OATS .
2. The EUT is placed in the reverberation chamber and emissions are measured from 700 MHz to the upper frequency required. Any emission within 10 dB of the limit is then re-tested on the OATS.

OATS Measurement:
1. The EUT is placed on a wooden turntable at a distance of three metres from the test antenna. The output terminal is connected to an RF dummy load.
2. The test antenna is raised from 1 m to 4 m to obtain a maximum reading; the turntable is then rotated through 360° to obtain the maximum response of each spurious emission. Valid emissions are determined by switching the EUT on and off.
3. The maximum response of each spurious emission is recorded.

LIMIT CLAUSE: FCC 47CFR 15.109

EMISSION FREQUENCY (MHz)	µVolts / Metre @ 3 Metres
30 → 88	100
88 → 216	150
216 → 960	200
960 →	500

Measurement Uncertainty (dB)	<1GHz ±5.0 dB >1GHz ±5.5 dB

RADIATED SPURIOUS EMISSIONS – Unintentional Radiator

SPECIFICATION: FCC 47CFR 15.109

12.5 kHz Channel Spacing	Receive / 138.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 143.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 148.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 150.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 150.050 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 156.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 161.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

Radiated Spurious Emissions - continued

12.5 kHz Channel Spacing	Receive / 162.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 173.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 378.125 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 406.125 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 418.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 429.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 438.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

Radiated Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 450.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 460.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 469.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 491.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 511.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 757.500 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 768.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

Radiated Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 769.075 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 774.900 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 775.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 798.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 799.075 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 804.900 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 805.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

Radiated Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 806.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 815.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 823.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 851.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 860.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 868.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 896.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

Radiated Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 900.975 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 902.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 915.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 928.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 931.525 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 935.025 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~
12.5 kHz Channel Spacing	Receive / 939.875 MHz Tx Standby
Emission Frequency (MHz)	Level (µV/m)
~	~

No emissions were detected within 10 dB of Limit.

CONDUCTED SPURIOUS EMISSIONS - Receiver

This test was conducted using Sample A.

SPECIFICATION: FCC 47CFR 15.111

GUIDE: TIA-603-E 2.1.2 (analogue)
TIA-102-CAAA-C 2.1.2 (digital)

MEASUREMENT PROCEDURE:
1. Refer Annex A for Equipment set up.
2. The measurement frequency range is from 30 MHz to the upper frequency limit as determined by FCC 47 CFR 15.33.
3. Spurious emissions which were attenuated more than 20 dB below the limit were not recorded.

LIMIT CLAUSE: FCC 47CFR 15.111

LIMIT	2 nW (-57 dBm)

Measurement Uncertainty	≤ 12.75 GHz ± 2.8 dB

MEASUREMENT RESULTS: Refer to the following pages.

Conducted Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 138.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 143.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 148.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 150.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 150.050 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 156.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 161.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

Conducted Spurious Emissions - continued

12.5 kHz Channel Spacing	Receive / 162.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 173.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 378.125 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 406.125 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 418.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 429.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 438.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

Conducted Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 450.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 460.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 469.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 491.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 511.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 757.500 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 768.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

Conducted Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 769.075 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 774.900 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 775.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 798.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 799.075 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 804.900 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 805.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

Conducted Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 806.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 815.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 823.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 851.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 860.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 868.975 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 896.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

Conducted Spurious Emissions – continued

12.5 kHz Channel Spacing	Receive / 900.97sss5 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 902.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 915.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 928.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 931.525 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 935.025 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~
12.5 kHz Channel Spacing	Receive / 939.875 MHz Tx Standby
Emission Frequency (MHz)	Level (nW)
~	~

No emissions were detected within 20 dB of Limit.

POWER LINE CONDUCTED EMISSIONS

This test was conducted using Sample B.

The measurements were done on one channel for each frequency band that the EUT supports. The EUT was tested in three modes: Tx full power, Rx with the squelch circuit OFF, and Rx with the squelch circuit ON.

SPECIFICATION: FCC 47CFR 15.107 Unintentional Radiator

MEASUREMENT PROCEDURE:
1. Refer Annex A for Equipment set up.
2. The frequency range examined was from 150 kHz to 30 MHz.
3. Emissions were measured using a 50Ω/50µH line impedance stabilization network (LISN).

LIMIT CLAUSE: FCC 47CFR 15.107

LIMIT: CLASS A

Frequency Range MHz	Limits dBµV	
	Quasi-Peak	Average
0.15 → 0.5	79	66
> 0.5 → 30	73	60

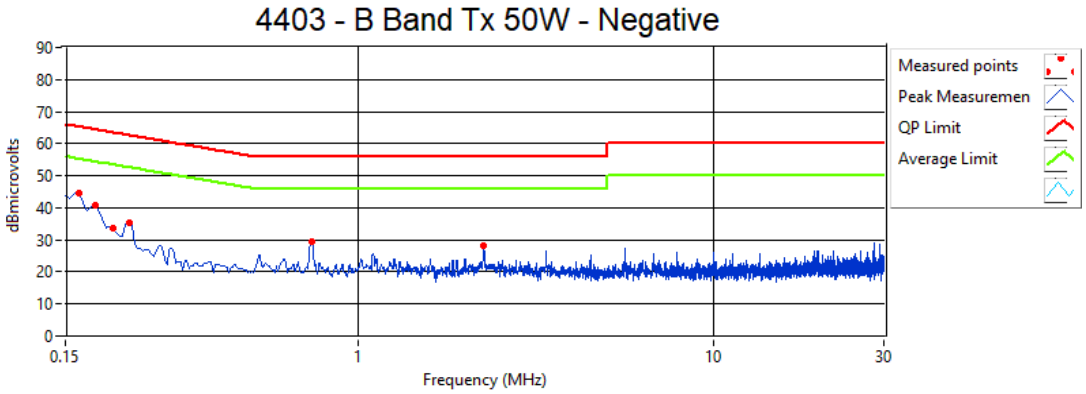
LIMIT: CLASS B

Frequency Range MHz	Limits dBµV	
	Quasi-Peak	Average
0.15 → 0.5	66 → 56 [1]	56 → 46 [1]
0.5 → 5.0	56	46
5.0 → 30	60	50
1. The limit decreases linearly with the logarithm of the frequency		

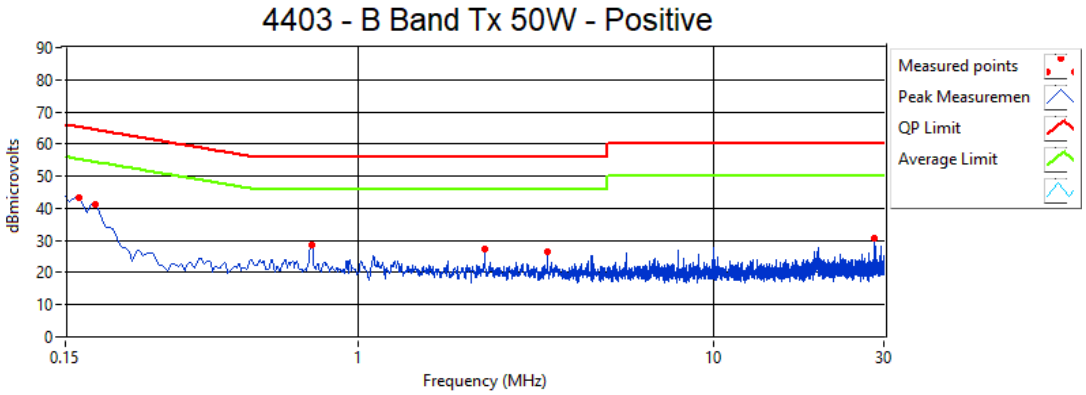
Measurement Uncertainty:

Measurement Uncertainty (dB)	with a 95% confidence interval is ± 3.5 dB

POWERLINE CONDUCTED EMISSIONS - Continued

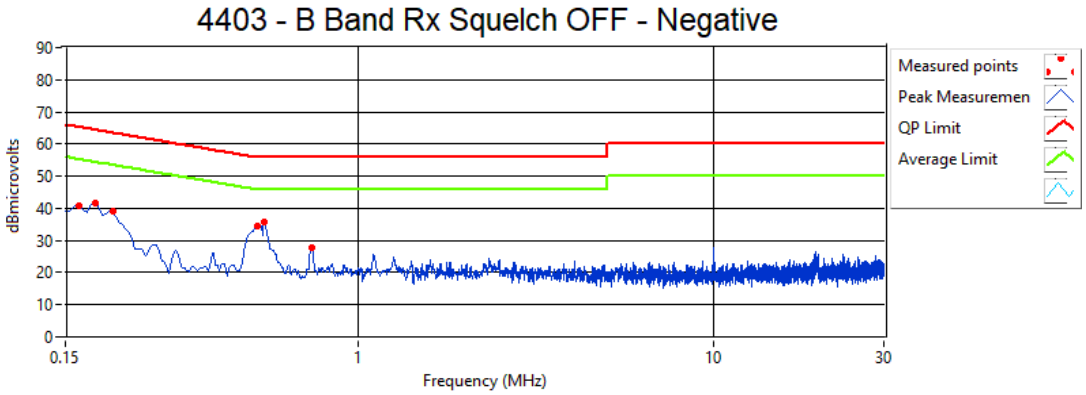


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.161	45.9	42.3	55.3	Pass	43.6	65.3	Pass
0.158	45.8	41.7	54.4	Pass	43.4	64.4	Pass
0.180	43.2	39.5	53.4	Pass	40.6	63.4	Pass
0.211	39.1	13.1	52.6	Pass	29.6	62.6	Pass
0.739	32.0	24.1	46.0	Pass	29.0	56.0	Pass
2.242	28.5	22.8	46.0	Pass	25.5	56.0	Pass

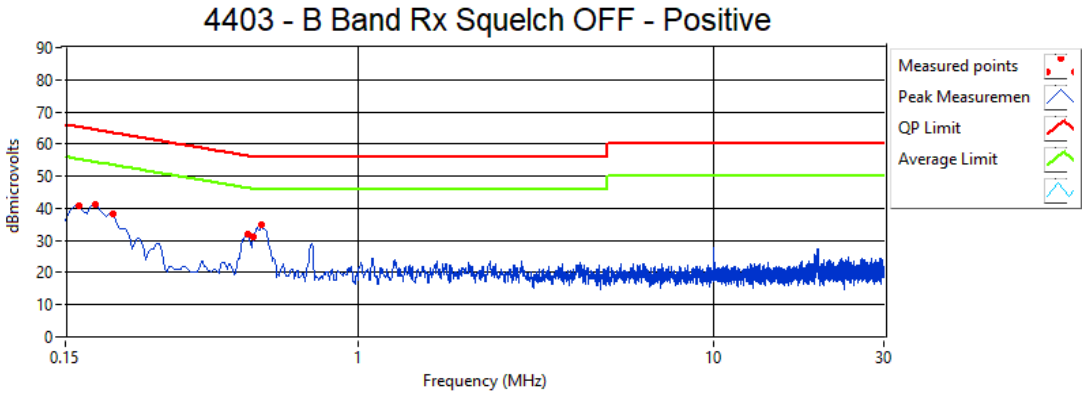


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	44.5	42.6	55.3	Pass	43.4	65.3	Pass
0.160	44.7	42.7	54.4	Pass	43.5	64.4	Pass
0.738	31.7	23.9	46.0	Pass	29.0	56.0	Pass
2.253	28.0	22.7	46.0	Pass	24.8	56.0	Pass
3.376	28.9	23.3	46.0	Pass	25.3	56.0	Pass
28.348	24.0	11.3	50.0	Pass	18.1	60.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

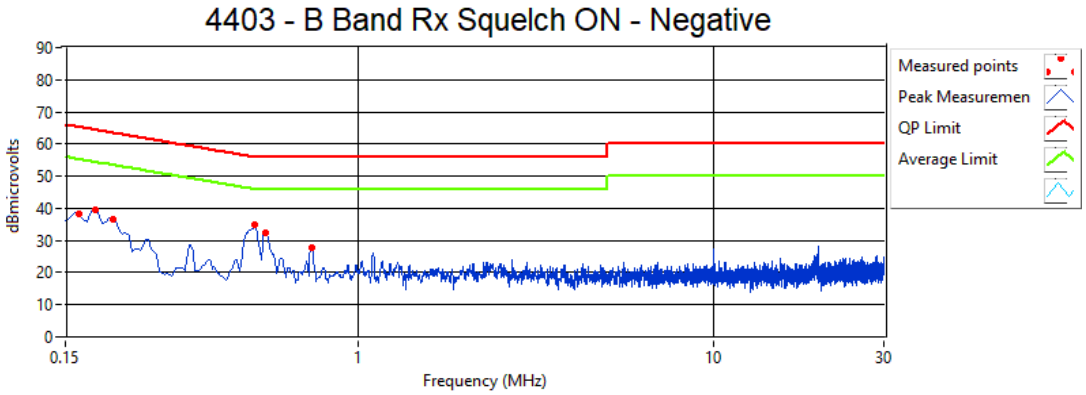


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.159	45.3	39.9	55.3	Pass	42.2	65.3	Pass
0.199	43.4	38.1	54.4	Pass	39.4	64.4	Pass
0.180	43.1	40.6	53.4	Pass	41.3	63.4	Pass
0.523	38.4	19.8	46.0	Pass	33.6	56.0	Pass
0.520	38.7	19.1	46.0	Pass	33.4	56.0	Pass
0.739	30.8	23.0	46.0	Pass	28.3	56.0	Pass

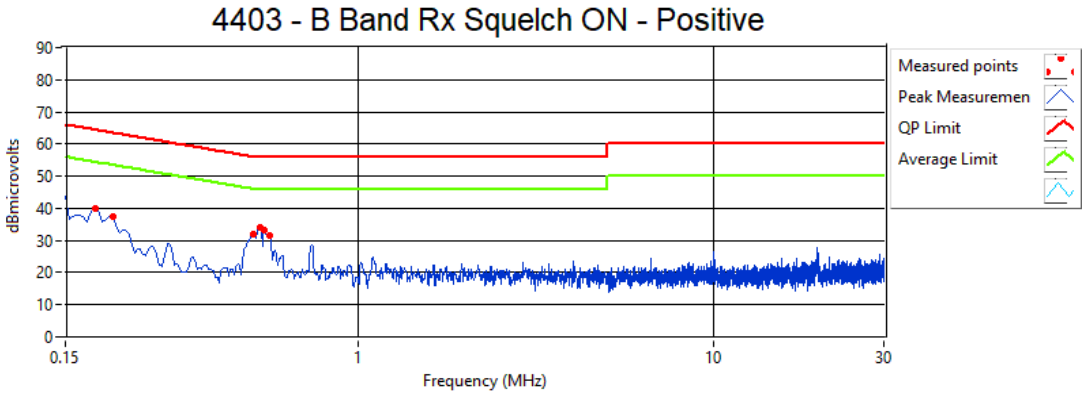


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.159	43.4	40.0	55.3	Pass	41.3	65.3	Pass
0.159	43.1	39.8	54.4	Pass	41.0	64.4	Pass
0.180	43.0	40.5	53.4	Pass	41.3	63.4	Pass
0.511	37.7	18.4	46.2	Pass	32.9	56.2	Pass
0.529	36.8	20.3	46.0	Pass	32.9	56.0	Pass
0.519	37.9	18.6	46.0	Pass	33.0	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

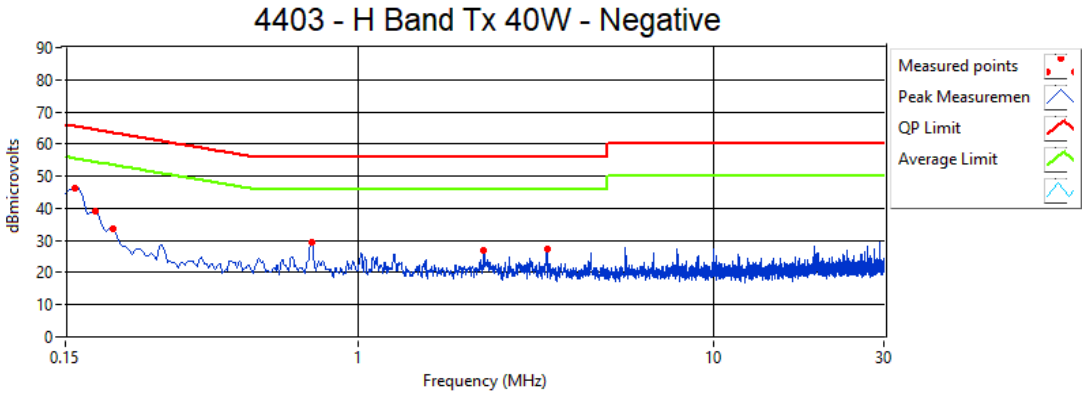


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.161	43.0	36.8	55.3	Pass	43.0	65.3	Pass
0.198	42.7	35.4	54.4	Pass	37.5	64.4	Pass
0.182	41.2	35.7	53.4	Pass	37.1	63.4	Pass
0.521	38.9	19.1	46.0	Pass	33.5	56.0	Pass
0.525	38.9	20.6	46.0	Pass	33.5	56.0	Pass
0.740	30.8	22.8	46.0	Pass	27.9	56.0	Pass

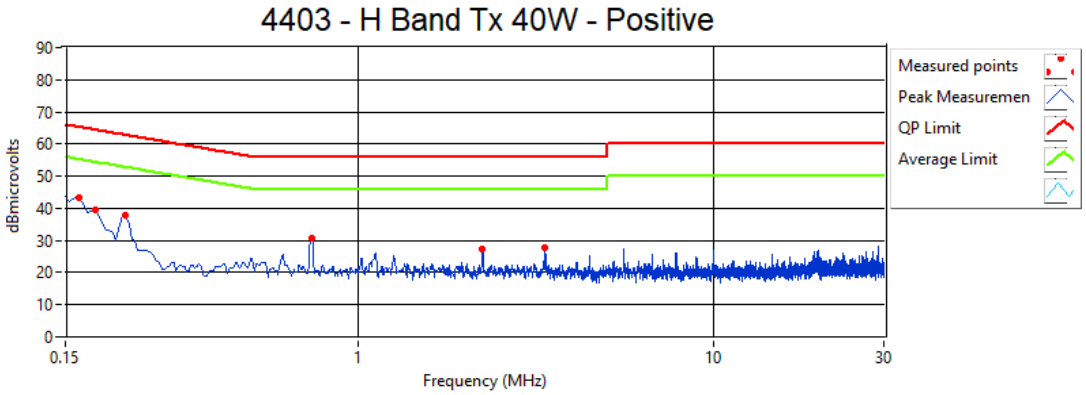


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.201	43.1	35.5	54.4	Pass	37.5	64.4	Pass
0.203	41.7	32.1	53.4	Pass	35.6	63.4	Pass
0.514	37.8	18.3	46.0	Pass	32.6	56.0	Pass
0.519	37.6	18.4	46.0	Pass	32.8	56.0	Pass
0.535	37.3	18.0	46.0	Pass	32.1	56.0	Pass
0.539	38.0	19.1	46.0	Pass	31.9	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

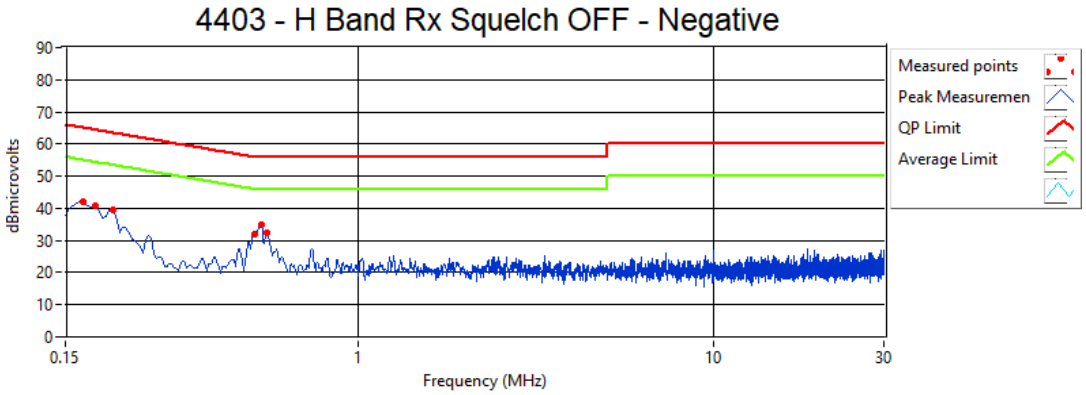


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.161	45.6	42.2	55.5	Pass	43.5	65.5	Pass
0.160	45.8	42.4	54.4	Pass	43.7	64.4	Pass
0.180	41.3	37.0	53.4	Pass	38.4	63.4	Pass
0.738	31.7	24.1	46.0	Pass	28.9	56.0	Pass
2.228	28.2	22.0	46.0	Pass	23.6	56.0	Pass
3.362	22.1	9.1	46.0	Pass	16.3	56.0	Pass

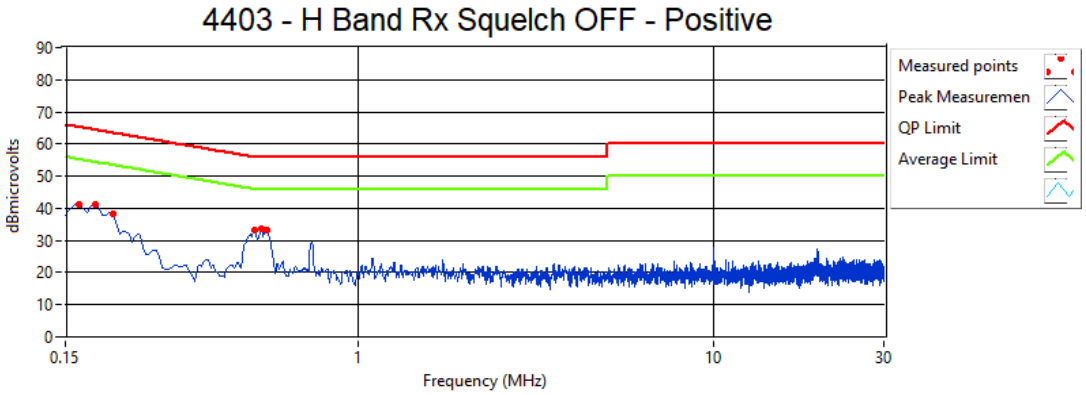


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	45.0	42.4	55.3	Pass	43.4	65.3	Pass
0.160	44.9	42.3	54.4	Pass	43.3	64.4	Pass
0.205	40.0	19.9	52.7	Pass	32.3	62.7	Pass
0.736	30.3	22.5	46.0	Pass	27.5	56.0	Pass
2.210	29.3	22.8	46.0	Pass	25.0	56.0	Pass
3.360	22.1	8.9	46.0	Pass	16.0	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

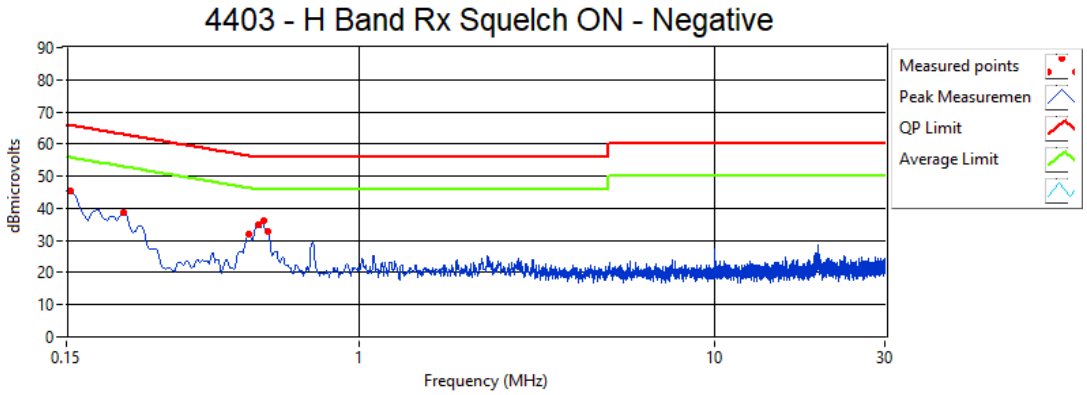


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	45.3	40.0	55.1	Pass	42.1	65.1	Pass
0.156	44.5	35.7	54.4	Pass	39.6	64.4	Pass
0.179	42.8	40.4	53.4	Pass	41.1	63.4	Pass
0.520	38.5	19.3	46.0	Pass	33.5	56.0	Pass
0.535	38.2	18.8	46.0	Pass	32.9	56.0	Pass
0.534	39.3	18.8	46.0	Pass	33.1	56.0	Pass

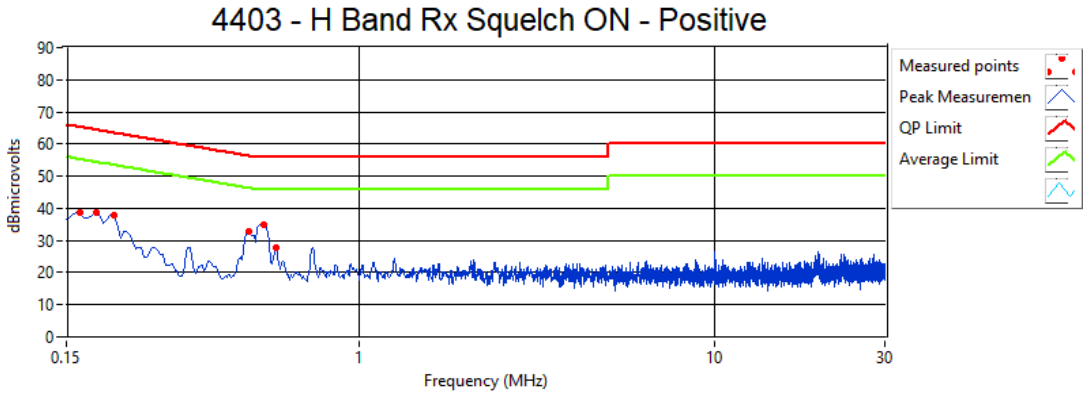


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.158	44.2	39.4	55.3	Pass	41.2	65.3	Pass
0.156	42.9	35.7	54.4	Pass	38.7	64.4	Pass
0.180	43.2	40.4	53.4	Pass	41.1	63.4	Pass
0.514	37.8	18.4	46.0	Pass	32.7	56.0	Pass
0.513	37.5	18.4	46.0	Pass	32.6	56.0	Pass
0.530	38.3	19.9	46.0	Pass	32.8	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

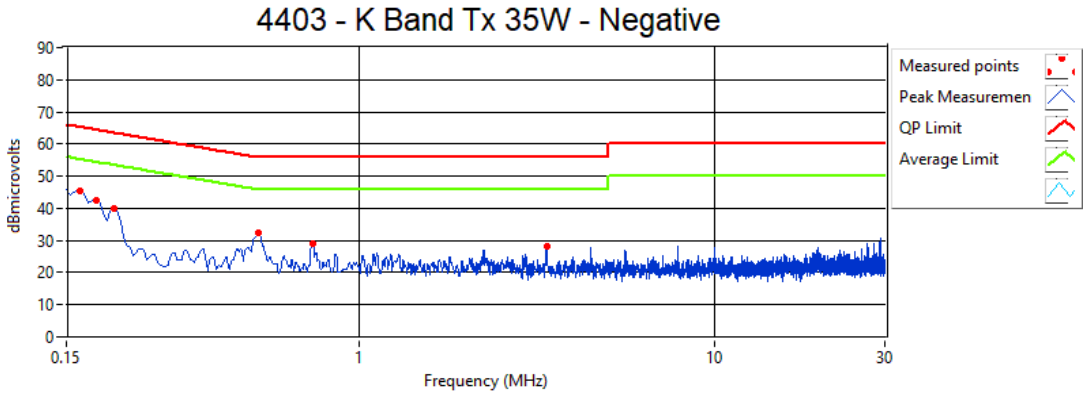


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.161	43.2	36.6	55.8	Pass	39.4	65.8	Pass
0.200	42.9	36.2	52.9	Pass	38.4	62.9	Pass
0.499	36.4	17.8	46.2	Pass	31.7	56.2	Pass
0.523	38.8	19.7	46.0	Pass	33.5	56.0	Pass
0.535	38.7	18.7	46.0	Pass	32.9	56.0	Pass
0.534	39.0	18.5	46.0	Pass	33.0	56.0	Pass

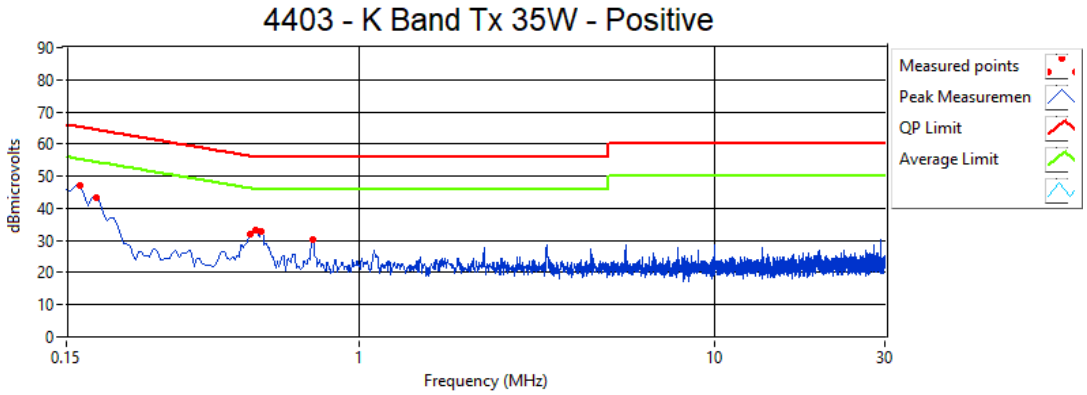


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.153	40.9	23.2	55.3	Pass	34.4	65.3	Pass
0.159	42.2	37.0	54.4	Pass	39.2	64.4	Pass
0.180	41.8	38.2	53.4	Pass	39.2	63.4	Pass
0.512	37.9	18.6	46.2	Pass	33.0	56.2	Pass
0.536	38.1	18.6	46.0	Pass	32.8	56.0	Pass
0.556	34.2	16.7	46.0	Pass	30.2	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

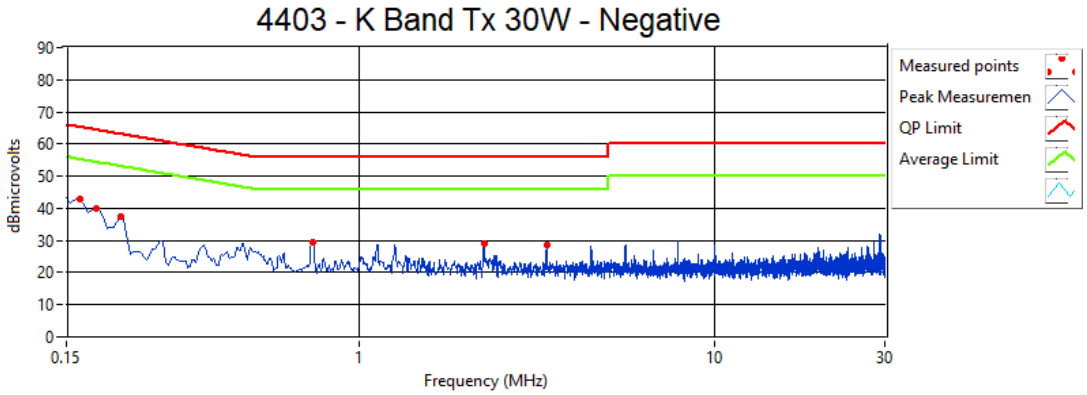


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	47.9	45.0	55.3	Pass	46.1	65.3	Pass
0.156	46.0	41.0	54.4	Pass	43.0	64.4	Pass
0.180	44.7	41.6	53.4	Pass	42.6	63.4	Pass
0.498	36.4	18.5	46.0	Pass	31.4	56.0	Pass
0.739	31.9	23.8	46.0	Pass	28.9	56.0	Pass
3.339	29.0	23.5	46.0	Pass	26.0	56.0	Pass

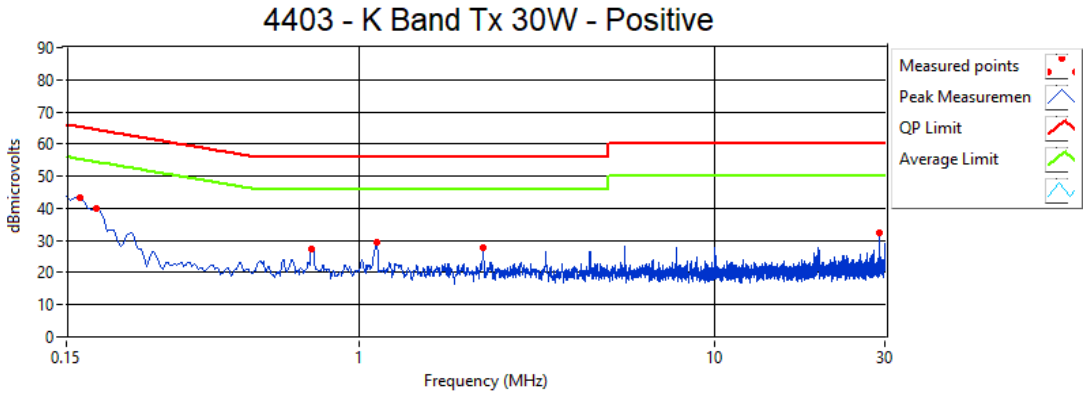


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.159	47.4	44.6	55.3	Pass	45.7	65.3	Pass
0.161	47.2	44.7	54.4	Pass	45.6	64.4	Pass
0.514	36.6	18.0	46.1	Pass	31.7	56.1	Pass
0.502	37.1	18.5	46.0	Pass	31.9	56.0	Pass
0.503	37.0	18.5	46.0	Pass	31.8	56.0	Pass
0.738	31.4	23.4	46.0	Pass	28.6	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

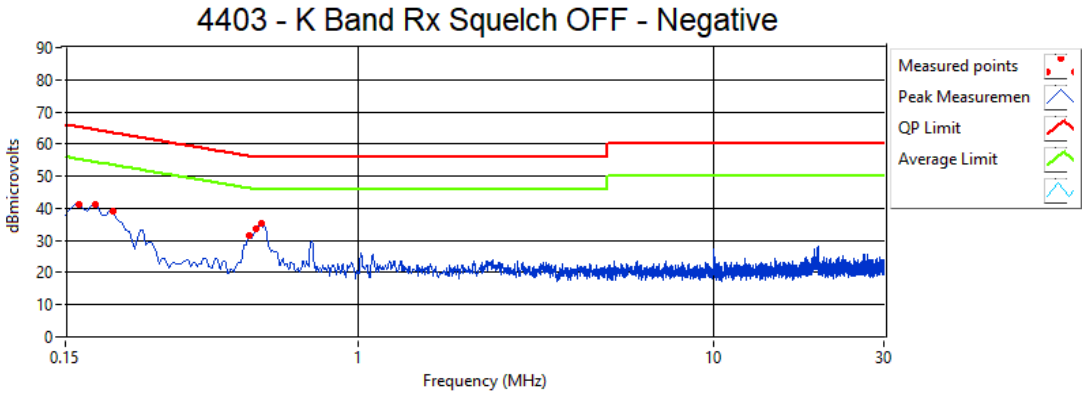


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	46.3	42.3	55.3	Pass	43.9	65.3	Pass
0.157	45.2	39.5	54.4	Pass	41.8	64.4	Pass
0.207	40.1	17.8	53.1	Pass	32.0	63.1	Pass
0.738	31.8	23.9	46.0	Pass	28.8	56.0	Pass
2.214	28.0	20.6	46.0	Pass	22.4	56.0	Pass
3.345	24.1	10.4	46.0	Pass	17.3	56.0	Pass

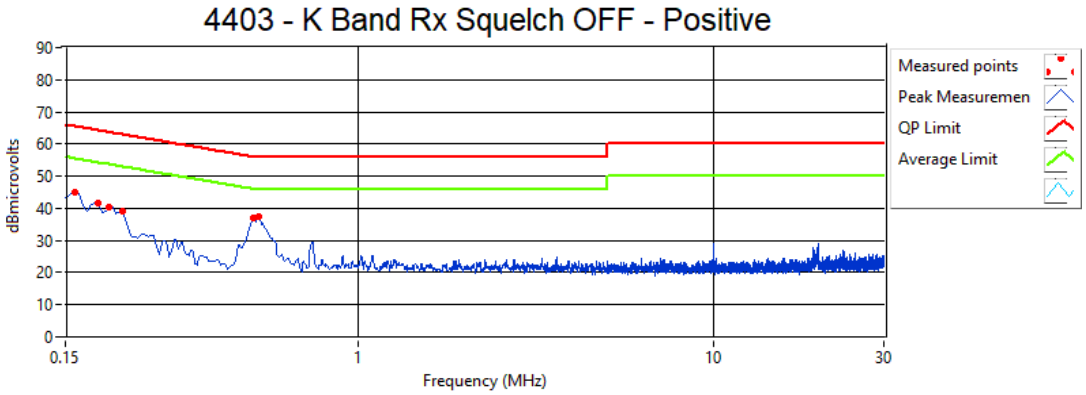


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.161	44.5	41.9	55.3	Pass	43.0	65.3	Pass
0.160	45.1	42.5	54.4	Pass	43.5	64.4	Pass
0.738	31.5	23.5	46.0	Pass	28.7	56.0	Pass
1.102	30.8	25.6	46.0	Pass	28.2	56.0	Pass
2.203	28.9	24.3	46.0	Pass	26.2	56.0	Pass
28.933	24.1	10.0	50.0	Pass	17.0	60.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

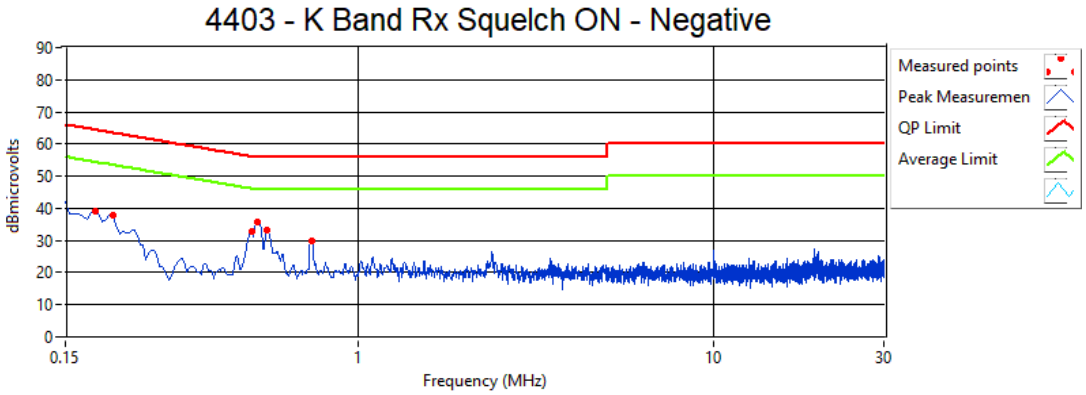


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.159	45.4	39.8	55.3	Pass	42.0	65.3	Pass
0.161	44.9	39.9	54.4	Pass	41.8	64.4	Pass
0.181	43.1	40.4	53.4	Pass	41.2	63.4	Pass
0.517	38.5	18.8	46.1	Pass	32.9	56.1	Pass
0.525	38.4	20.5	46.0	Pass	33.4	56.0	Pass
0.511	37.7	18.3	46.0	Pass	32.8	56.0	Pass

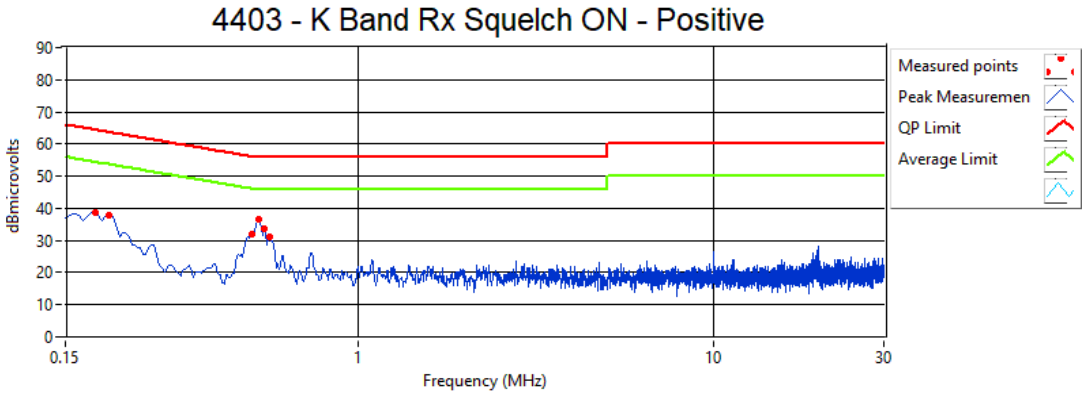


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.162	43.3	39.3	55.5	Pass	40.7	65.5	Pass
0.180	43.3	40.6	54.2	Pass	41.4	64.2	Pass
0.197	42.7	36.1	53.6	Pass	38.0	63.6	Pass
0.201	44.1	37.9	52.9	Pass	39.5	62.9	Pass
0.503	36.4	17.6	46.0	Pass	31.6	56.0	Pass
0.504	36.7	17.7	46.0	Pass	31.7	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

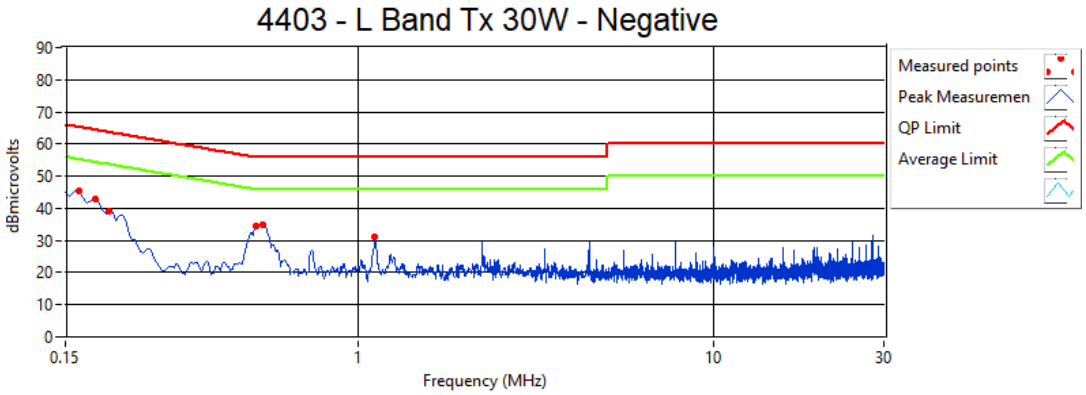


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.158	43.6	36.5	54.4	Pass	39.7	64.4	Pass
0.180	41.4	38.3	53.4	Pass	39.2	63.4	Pass
0.521	38.7	19.0	46.0	Pass	33.3	56.0	Pass
0.524	39.1	20.3	46.0	Pass	33.5	56.0	Pass
0.530	38.9	20.8	46.0	Pass	33.4	56.0	Pass
0.739	31.2	23.5	46.0	Pass	28.3	56.0	Pass

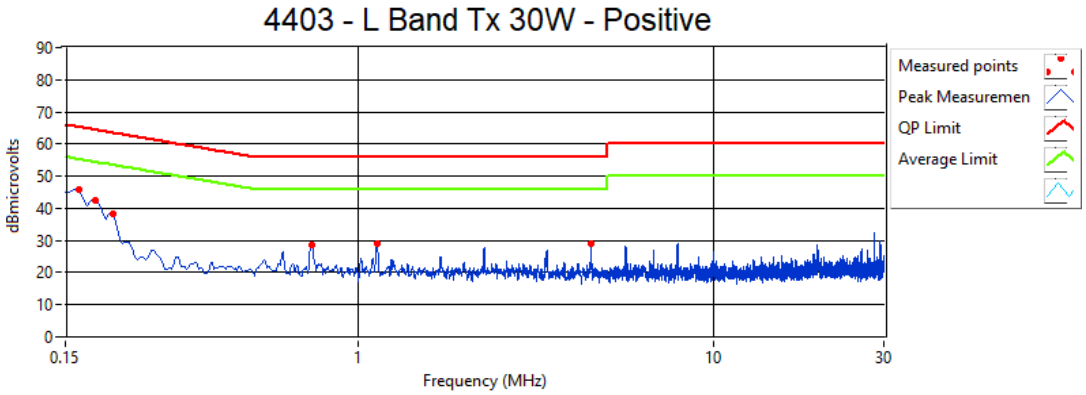


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.158	42.1	36.8	54.4	Pass	38.9	64.4	Pass
0.199	43.6	36.6	53.6	Pass	38.4	63.6	Pass
0.520	38.3	18.8	46.0	Pass	33.2	56.0	Pass
0.529	38.8	21.2	46.0	Pass	33.2	56.0	Pass
0.525	38.5	20.7	46.0	Pass	33.3	56.0	Pass
0.545	35.2	18.2	46.0	Pass	31.6	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

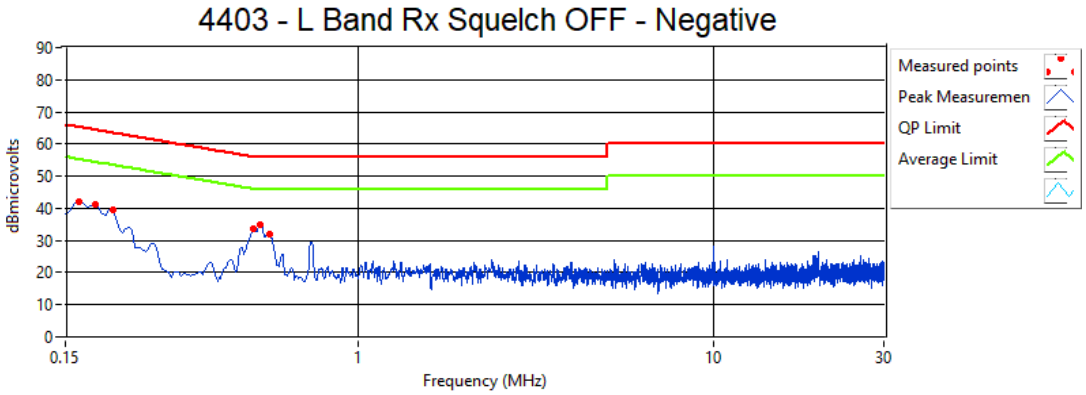


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	47.5	44.9	55.3	Pass	45.8	65.3	Pass
0.160	47.7	44.9	54.4	Pass	45.8	64.4	Pass
0.179	44.6	42.1	53.6	Pass	42.9	63.6	Pass
0.520	38.1	19.9	46.0	Pass	33.6	56.0	Pass
0.538	38.5	19.9	46.0	Pass	33.3	56.0	Pass
1.107	32.2	28.4	46.0	Pass	29.8	56.0	Pass

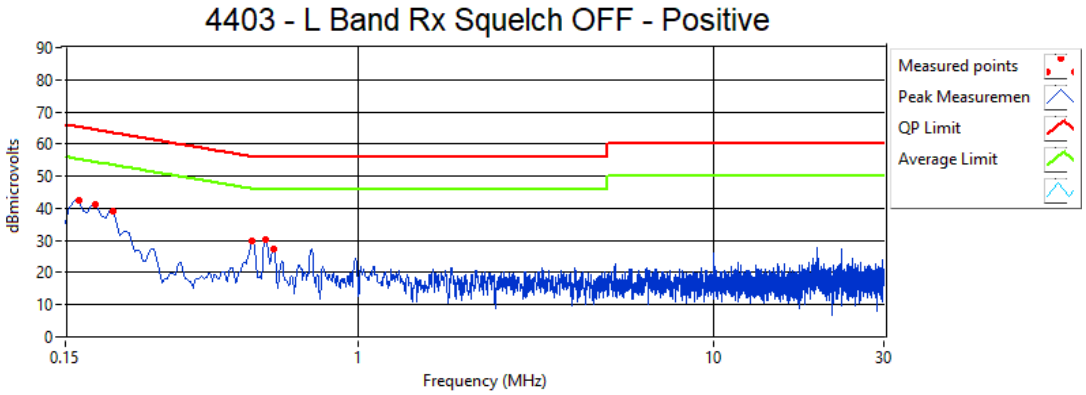


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	46.6	44.9	55.3	Pass	45.6	65.3	Pass
0.160	46.6	44.9	54.4	Pass	45.6	64.4	Pass
0.180	45.2	42.0	53.4	Pass	42.8	63.4	Pass
0.738	31.7	24.0	46.0	Pass	28.8	56.0	Pass
1.119	31.3	27.9	46.0	Pass	29.4	56.0	Pass
4.489	21.8	8.4	46.0	Pass	15.3	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued

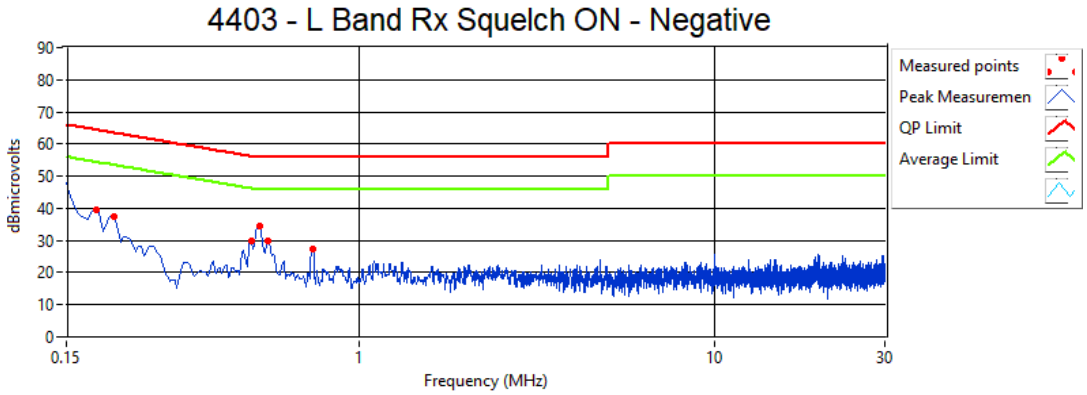


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.199	44.6	38.0	55.3	Pass	39.6	65.3	Pass
0.158	45.2	39.2	54.4	Pass	41.7	64.4	Pass
0.180	43.1	40.6	53.4	Pass	41.4	63.4	Pass
0.513	38.0	18.7	46.0	Pass	33.1	56.0	Pass
0.511	37.5	18.5	46.0	Pass	32.9	56.0	Pass
0.540	38.0	19.8	46.0	Pass	32.6	56.0	Pass

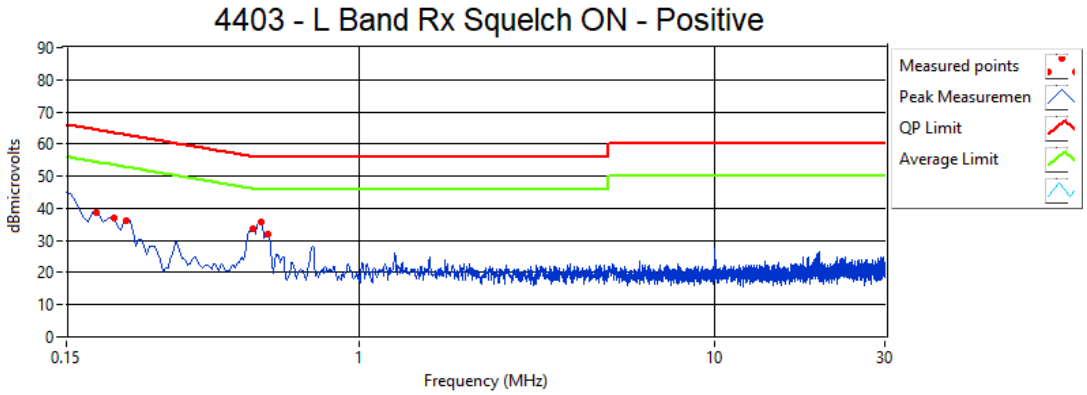


Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.160	43.7	40.2	55.3	Pass	41.6	65.3	Pass
0.159	43.4	40.2	54.4	Pass	41.4	64.4	Pass
0.180	43.8	40.6	53.4	Pass	41.4	63.4	Pass
0.525	38.9	20.7	46.0	Pass	33.2	56.0	Pass
0.528	38.5	21.2	46.0	Pass	33.0	56.0	Pass
0.552	33.7	16.8	46.0	Pass	30.2	56.0	Pass

POWERLINE CONDUCTED EMISSIONS - Continued



Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.180	41.6	38.3	54.4	Pass	39.4	64.4	Pass
0.180	40.6	38.4	53.4	Pass	39.3	63.4	Pass
0.515	37.9	18.6	46.1	Pass	32.9	56.1	Pass
0.525	39.1	21.0	46.0	Pass	33.4	56.0	Pass
0.529	38.6	20.9	46.0	Pass	33.3	56.0	Pass
0.738	31.0	23.3	46.0	Pass	28.3	56.0	Pass



Frequency (MHz)	Peak Measurement (dBmicroVolt)	Average Measurement (dBmicroVolt)	Average Limit (dBmicroVolt)	Average Result	Quasi-Peak Measurement (dBmicroVolt)	Quasi-Peak Limit (dBmicroVolt)	Quasi-Peak Result
0.159	42.5	37.1	54.4	Pass	39.2	64.4	Pass
0.180	41.5	38.4	53.4	Pass	39.4	63.4	Pass
0.200	44.3	36.6	52.7	Pass	38.6	62.7	Pass
0.507	36.9	17.8	46.0	Pass	31.8	56.0	Pass
0.508	36.9	18.0	46.0	Pass	32.0	56.0	Pass
0.534	37.7	18.0	46.0	Pass	32.3	56.0	Pass

TEST EQUIPMENT LIST

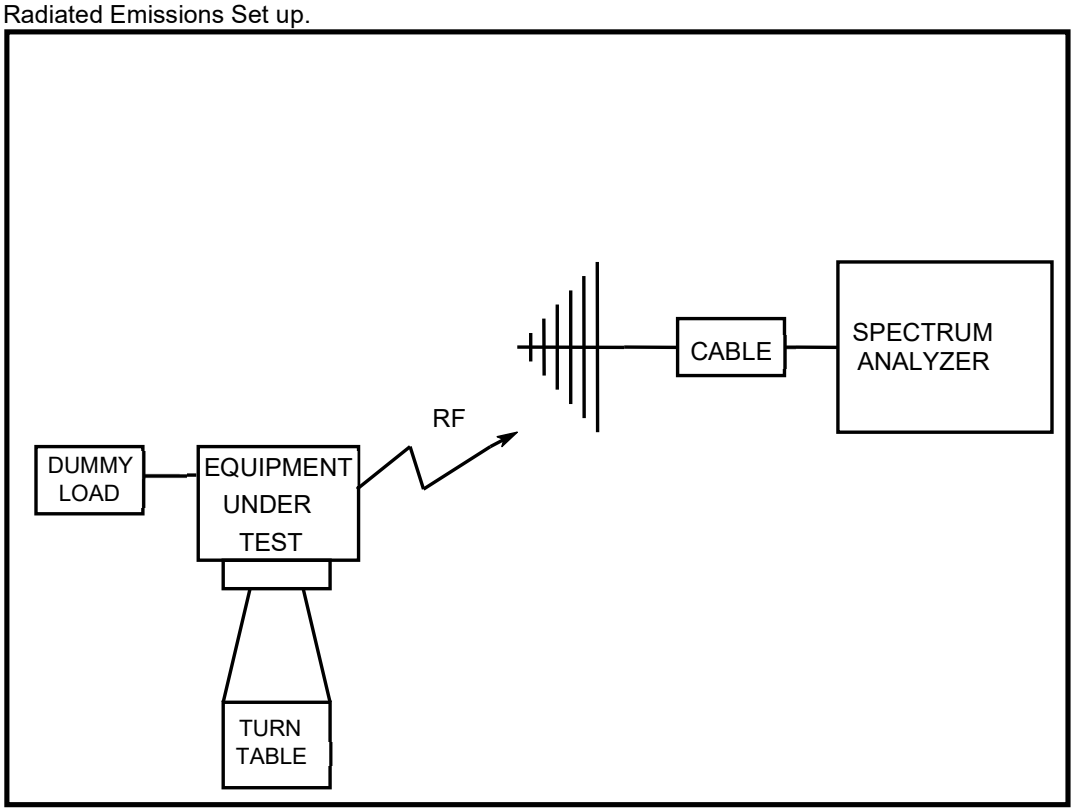
Equipment Type	Information	Manufacturer	Model No	Serial No#	Tait ID	Cal Due
Antenna	Reverb - 1-18GHz DRG	Schwarzbeck	BBHA 9120 D	9120D-885	E4857	
Antenna	Reverb - 1-18GHz DRG	Schwarzbeck	BBHA 9120 D	9120D-884	E4858	
Coax Cable	Reverb - 4.5m Multiflex 141	TeltestBlue6	MF 141	TeltestBlue6	E4843	12-Sep-25
Coax Cable	Reverb - 2m Multiflex 141	TeltestBlue5	MF 141	TeltestBlue5	E4844	11-Sep-25
Coax Cable	Reverb - 2m Multiflex 141	TeltestBlue4	MF 141	TeltestBlue4	E4845	11-Sep-25
Coax Cable	Reverb - 1m Multiflex 141	TeltestBlue3	MF 141	TeltestBlue3	E4846	12-Sep-25
Coax Cable	Reverb - 1m Multiflex 141	TeltestBlue2	MF 141	TeltestBlue2	E4847	13-Sep-25
Coax Cable	Reverb - 1m Multiflex 141	TeltestBlue1	MF 141	TeltestBlue1	E4848	11-Sep-25
Coax Cable	3m Blue	Suhner	Sucoflex 126EA	503429/126EA	E5015	11-Sep-25
Coax Cable	1.5m Blue	Suhner	Sucoflex 126EA	502868/126EA	E5028	11-Sep-25
LISN	32A 50Ω/50µH	Cranage	VN3-635	3527	E4996	05-Oct-25
Multimeter		Fluke	77	35069359	E3237	07-Oct-25
Power Supply		Rohde & Schwarz	NGS M32/10 192.0810.31	Fnr 434	E3556	20-May-25
Power Supply	60V/50A/1000W	Hewlett Packard	HP6012B	2524A00616	E3712	05-Oct-25
Power Supply	60V/25A	Agilent	N5767A	3111A05573	E4979	09-Oct-26
RF Amplifier	+21.7 dB 1GHz	Tait	ZFL-1000LN	E3660	E3360	07-Aug-25
RF Amplifier	Pre-amplifier	Agilent	87405C	MY47010688	E4941	16-Oct-25
RF Attenuator	20dB 50W	Weinschel	24-20-44	AW1266	E3562	13-Sep-25
RF Attenuator	3dB 0.5W	Weinschel	Model 1	CH6863	E5013	13-Sep-25
RF Load	50W	Weinschel	F1426	BF0487	E3675	17-Sep-25
Signal Generator	Analog 3.2GHz	Hewlett Packard	HP8648C	3443U00543	E3558	11-Oct-25
Signal Generator	Analog 12.75GHz	Rohde & Schwarz	SMB100A	183236	E11369	15-Oct-25
Spectrum Analyser	26.5GHz	Agilent	PXA N9030A	MY49432161	E4907	26-Feb-27
Spectrum Analyser	13.2GHz	Agilent	PXA N9030A	US49230269	E4775	16-Oct-25
Temp & Humidity datalogger		TP-Link TAPO	T315	22383M6000671	E11377	02-Feb-26
Testware	Conducted Disturbances		TTEL_CONDDIST_2.02.02	-	-	
Testware	Reverb Emissions		TTEL_REVEMIS_3.00.00	-	-	
Testware	S-Line Radiated Emissions		TTEL_SLINERADEM_2.01.00	-	-	
Testware	Radio Conducted Emissions		TTEL_RADIOCOND_1.02.01	-	-	

* NOTE: Items without calibration dates are calibrated immediately before use or set using calibrated instruments.

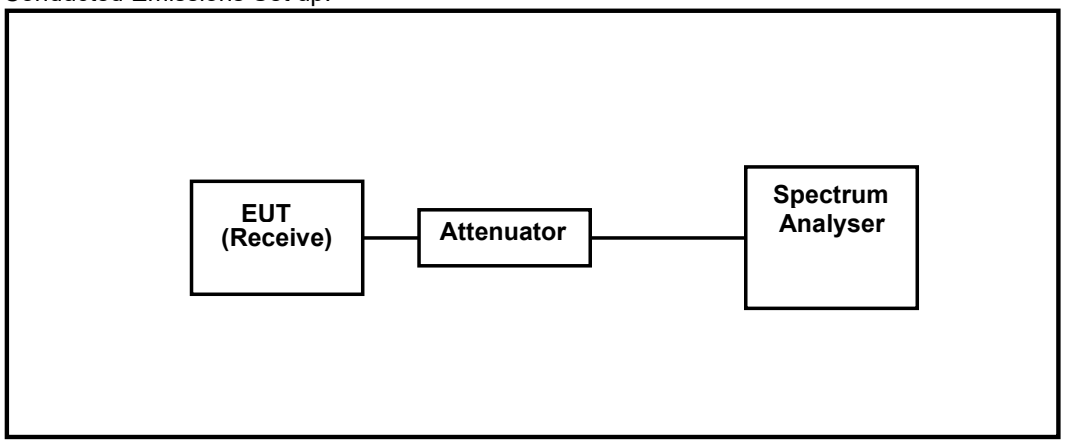
ANNEX A

TEST SETUP DETAILS

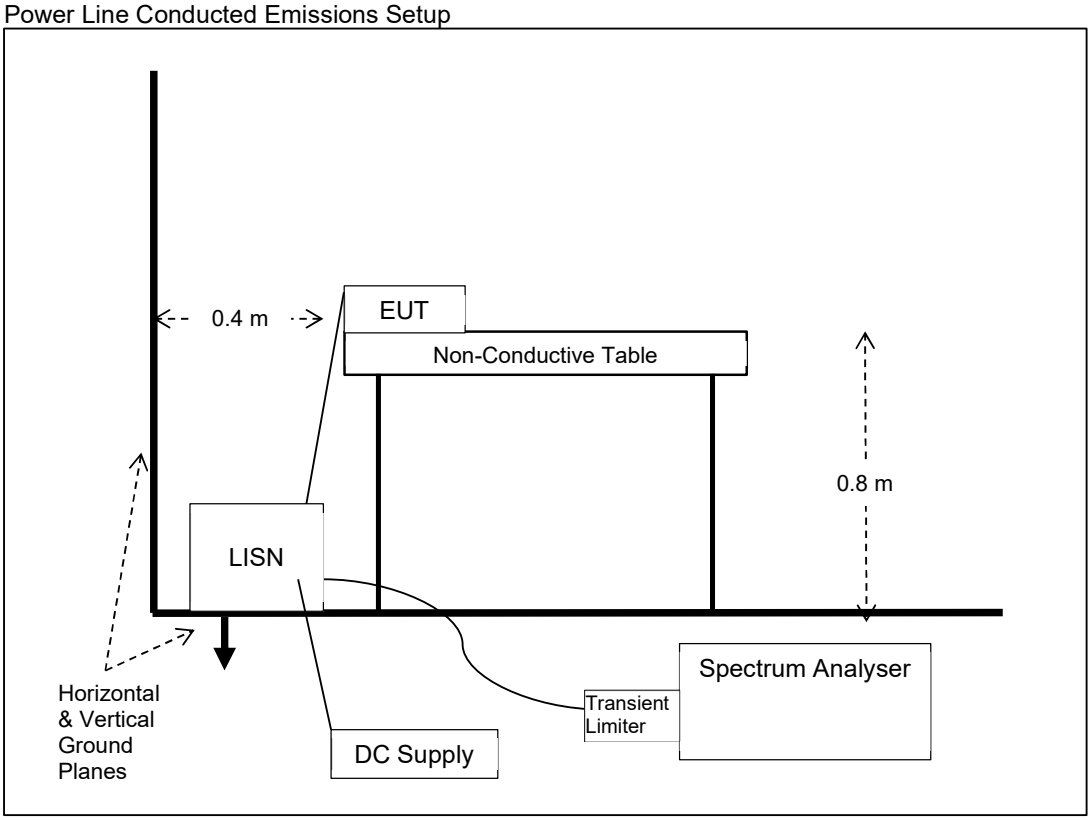
Radiated Emissions Set up.



Conducted Emissions Set up.



Power Line Conducted Emissions Setup



END OF REPORT