

Customer: Davis Instruments
 Specification: 15.247(d) / 15.209 Radiated Spurious Emissions

Work Order #:	100904	Date:	Tue May-07-2019
Test Type:	Radiated Scan	Time:	15:14:30
Tested By:	Hieu Song Nguyenpham	Sequence:	40
Voltage:		File Name:	RSE-SPOT CHECK-BELOW 1GHZ-6100.DAT
Software Version:	5.03.11		

Equipment Tested:

Function	Manufacturer	Model#	S/N
6100			

Support Equipment:

Device	Manufacturer	Model#	S/N
None			

Test Conditions / Notes: THIS IS PRELIMINARY DATA

Radiated Emission Frequency Range: 9kHz to 1000MHz Application: nRFgo Studio-Win32 version 1.21.2 for BTLE module Temperature: 22.5°C Relative Humidity: 43 % Atmospheric Pressure: 101.18 kPa High Clock: 40MHz Transmitting operating frequency= 2402, 2440 and 2480MHz for Bluetooth Gain of the antenna for Bluetooth= 1dBi Method: ANSI C 63.10 2013 Note
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Test Equipment:

ID	Asset #/Serial #	Description	Model	Calibrated Date	Cal Due Date
T1	ANP07508	Preamp	310N	10/15/2018	10/15/2020
T2	ANP06049	Attenuator	PE7002-6	5/14/2018	5/14/2020
T3	ANP00880	Cable	RG214U	5/14/2018	5/14/2020
T4	ANP01187	Cable	CNT-195	8/20/2018	8/20/2020
T5	ANP06691	Cable	PE3062-180	5/14/2018	5/14/2020
T6	AN00852	Biconilog Antenna	CBL 6111C	5/1/2018	5/1/2020
	AN02660	Spectrum Analyzer	E4446A	10/19/2018	10/19/2020

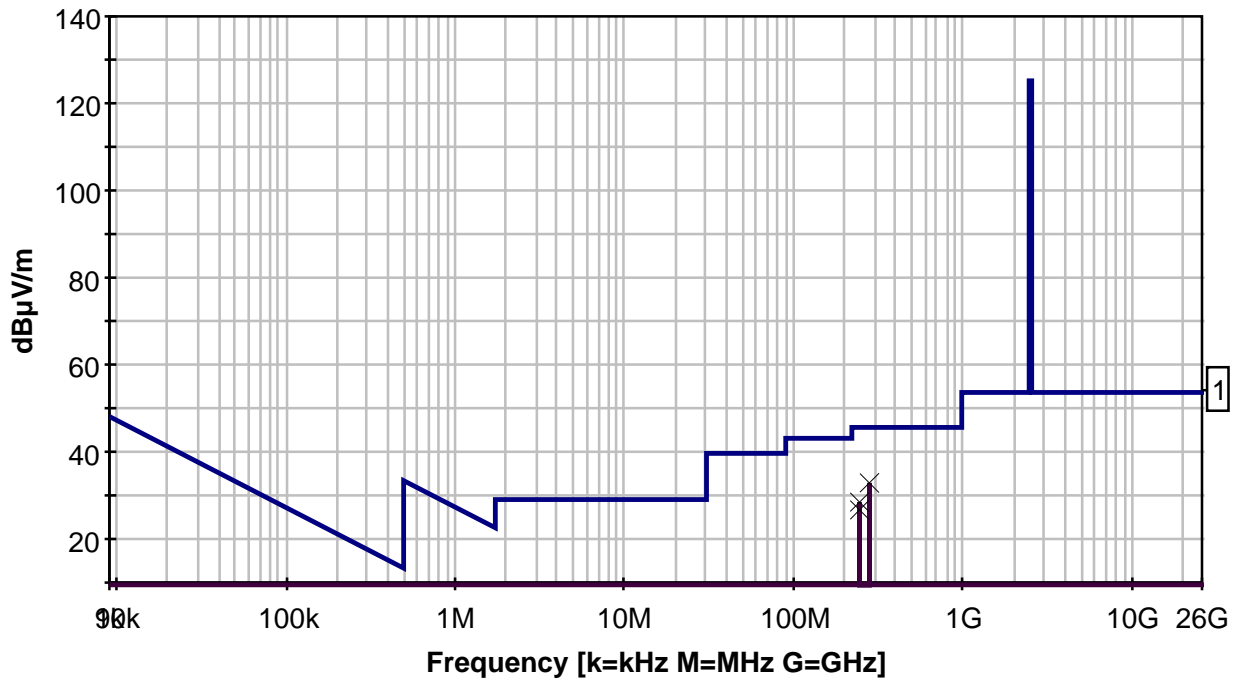
Measurement Data:

Readings listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 T5	T2 T6	T3	T4	Dist	Corr dBµV/m	Spec dBµV/m		Polar	Type	Margin
1	275.013	43.8	-32.0 +0.6	+6.0 +13.0	+1.6	+0.3	+0.0	33.3	46.0		Vert	Peak	-12.7
Low Channel													
2	240.175	40.5	-32.0 +0.6	+6.0 +12.0	+1.5	+0.3	+0.0	28.9	46.0		Horiz	Peak	-17.1
Middle Channel													
3	240.087	38.8	-32.0 +0.6	+6.0 +11.9	+1.5	+0.3	+0.0	27.1	46.0		Horiz	Peak	-18.9
High Channel													

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— Sweep Data
— 1 - 15.247(d) / 15.209 Radiated Spurious Emissions
— Readings
× Peak Readings
Software Version: 5.03.11