



element

Dot Ai Corporation

DAIC-MCB-XN; DAIC-ACB-XN

FCC 15.247:2025

RSS-247 Issue 3:2023

RSS-Gen Issue 5:2018+A1:2019+A2:2021

Bluetooth radio

Report: DTAI0006.1 Rev. 02, Issue Date: August 28, 2025

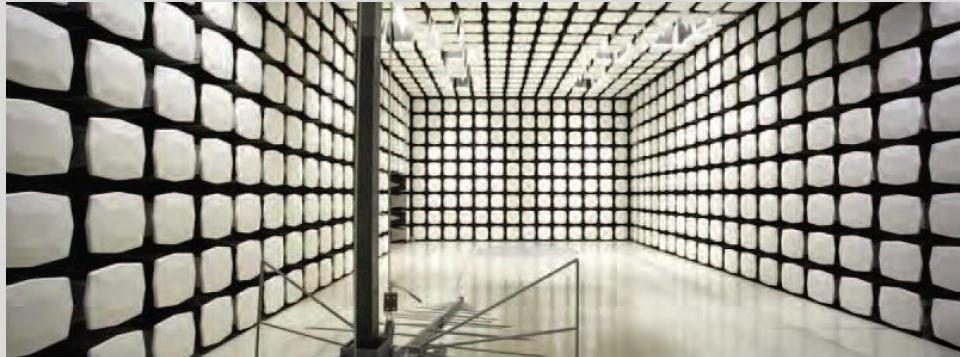


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CERTIFICATE OF TEST



Last Date of Test: July 31, 2025
Dot Ai Corporation
EUT: DAIC-MCB-XN; DAIC-ACB-XN

Radio Equipment Testing

Standards

Specification	Method
FCC 15.247:2025	
RSS-247 Issue 3:2023	ANSI C63.10:2020
RSS-Gen Issue 5:2018+A1:2019+A2:2021	

Guidance

FCC KDB 558074 v05r02:2019

Notice 2021 - CEB0001

Results

Test Description	Result	FCC Section(s)	RSS Section(s)	ANSI C63.10 Section(s)	Comments
Powerline Conducted Emissions	Pass	15.207	RSS-Gen 8.8	6.2	
Duty Cycle	N/A	KDB 558074 -6.0	RSS-Gen 3.2	11.6	Operates at 100%.
DTS Bandwidth (6 dB)	Pass	15.247(a)(2), KDB 558074 -8.2	RSS-247 5.2(a)	11.8.2	
Occupied Bandwidth (99%)	N/A	KDB 558074 -2.1	RSS-Gen 6.7	6.9.3	See Data.
Output Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 5.4(d, f), RSS-Gen 6.12	11.9.1.1	
Equivalent Isotropic Radiated Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 5.4(d, f), RSS-Gen 6.12	11.9.1.1	
Power Spectral Density	Pass	15.247(e), KDB 558074 -8.4	RSS-247 5.2(b)	11.10.2	
Band Edge Compliance	Pass	15.247(d), KDB 558074 -8.5	RSS-247 5.5	11.11	
Spurious Conducted Emissions	Pass	15.247(d), KDB 558074 -8.5	RSS-247 5.5	11.11	
Radiated Band Edge Emissions	Pass	15.247(d), KDB 558074 - 8.6, 8.7	RSS-247 5.5, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.6	
Spurious Radiated Emissions	Pass	15.247(d), KDB 558074 - 8.6, 8.7	RSS-247 5.5, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.4, 6.5, 6.6	

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

CERTIFICATE OF TEST



Deviations From Test Standards

None

Approved By:

A handwritten signature in black ink, appearing to read 'Cole Ghizzone'.

Cole Ghizzone, Operations Manager
Signed for and on behalf of Element

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY

Revision Number	Description	Date (yyyy-mm-dd)	Page Number
00	None	2025-08-22	
01	Updated functional description of the EUT		7
	Corrected power and antenna page – removed reference to “software”		8
	Corrected configurations DTAI000-1, DTAI000-2, and DTAI000-5		9-10
	Updated Company Name / Manufacturer to Dot Ai Corporation		1, 3, 7 – 10, 13, 15, 19, 22, 24, 28, 30, 33, 36, 39, 42, 46, 49
	Updated EUT model name from DAIC-ACB-XN-L to DIAC-ACB-XN		3, 7 – 10, 13, 15, 19, 22, 24, 28, 30, 33, 36, 39, 46, 49
	Added Revision History page		5
	Added Test Setup Block Diagrams page		8
02	Updated antenna gain with new values	2025-08-28	12
	Updated antenna gain and EIRP		33

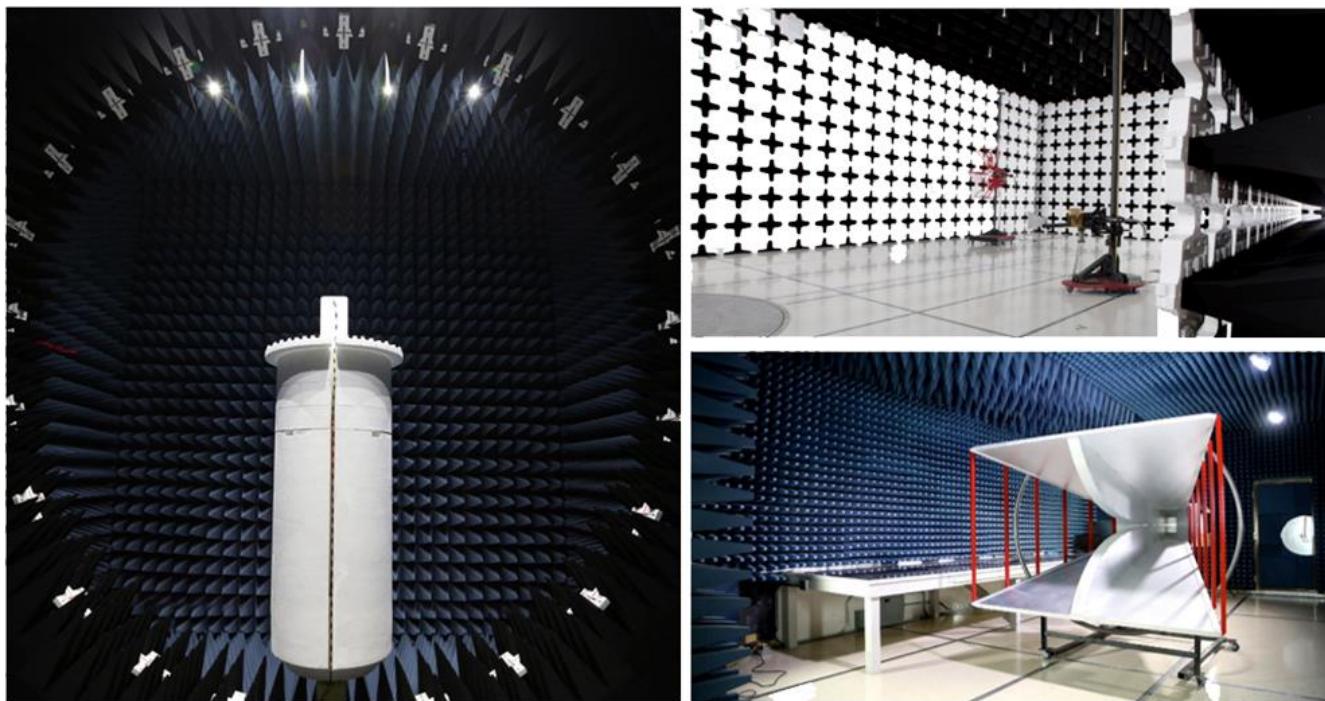
FACILITIES

Testing was performed at the following location(s)

Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB	FDA ⁽⁶⁾
<input type="checkbox"/> California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
<input type="checkbox"/> Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
<input checked="" type="checkbox"/> Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
<input type="checkbox"/> Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
<input type="checkbox"/> Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) FDA ASCA No.



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation reported is based on statistical analysis that was performed by the laboratory. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty ($k=2$) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable) and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Various Measurements

Test	All Labs (+/-)
Frequency Accuracy (%)	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Radiated Power via Substitution (dB)	0.7
Temperature (degrees C)	0.7
Humidity (% RH)	2.5
Voltage (AC) (%)	1
Voltage (DC) (%)	0.7
Near-field Measurement of E-Field (dB)	1.89
Near-field Measurement of H-Field (dB)	2.65

Field Strength Measurements (dB)

Range	EV01 (+/-)
10kHz-30MHz	1.8
30MHz-1GHz 3m	4.6
1GHz-6GHz	5.1
6GHz-40GHz	5.2

AC Powerline Conducted Emissions Measurements (dB)

Range	EV07 (+/-)	EV01 (+/-)
9kHz-150kHz LISN	3.6	N/A
150kHz-30MHz LISN	3.2	N/A
150kHz-30MHz CVP	3.2	N/A
150kHz-30MHz Telecom-ISN	4.4	N/A

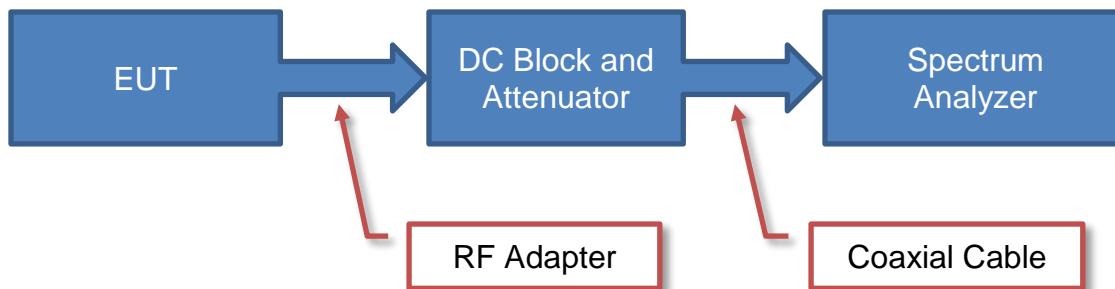
TEST SETUP BLOCK DIAGRAMS

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

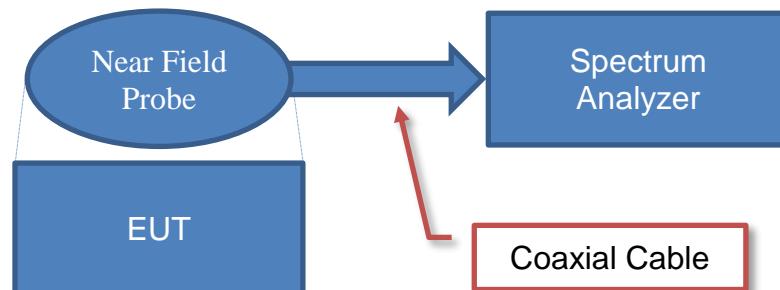
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

$$\begin{array}{ccc} \text{Measured} & \text{Measured} & \text{Reference} \\ \text{Value} & = & \text{Level} \\ 71.2 & = & 42.6 \\ & & + \\ & & \text{Level} \\ & & \text{Offset} \\ & & 28.6 \end{array}$$

Near Field Test Fixture Measurements

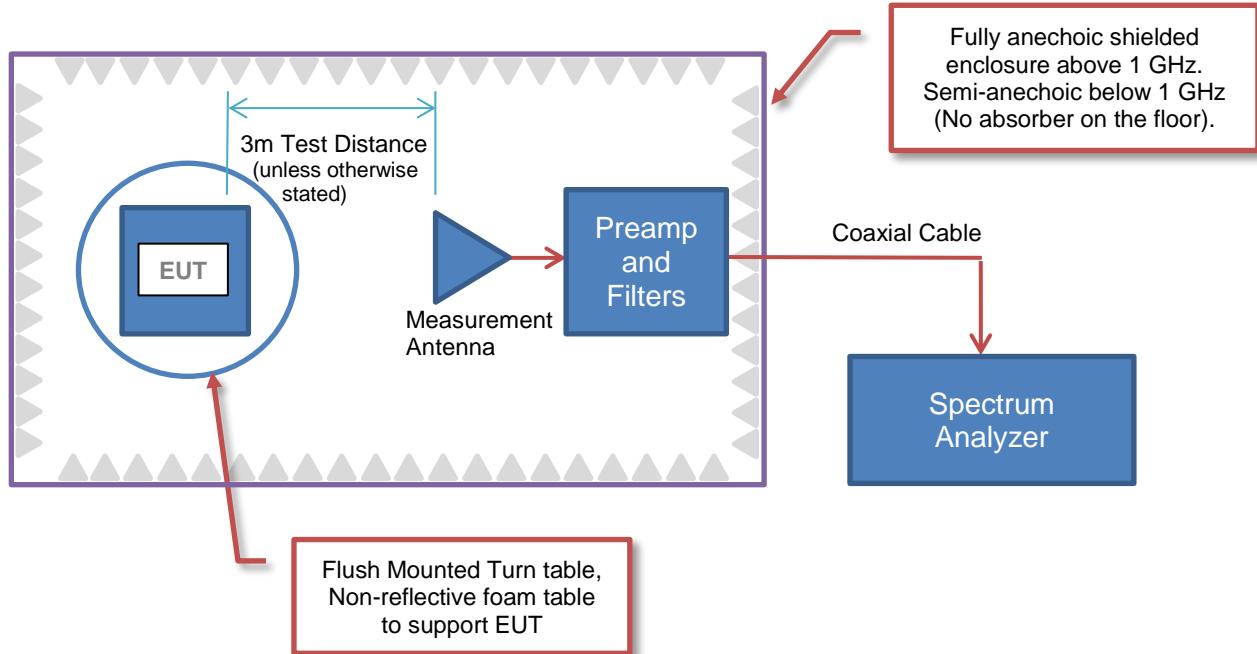


Sample Calculation (logarithmic units)

$$\begin{array}{ccc} \text{Measured} & \text{Measured} & \text{Reference} \\ \text{Value} & = & \text{Level} \\ 71.2 & = & 42.6 \\ & & + \\ & & \text{Level} \\ & & \text{Offset} \\ & & 28.6 \end{array}$$

TEST SETUP BLOCK DIAGRAMS

Emissions Measurements



Sample Calculation (logarithmic units)

Radiated Emissions:

Factor																			
Measured Level (Amplitude)	42.6	+	Antenna Factor	28.6	+	Cable Factor	3.1	-	Amplifier Gain	40.8	+	Distance Adjustment Factor	0.0	+	External Attenuation	0.0	=	Field Strength	33.5

Conducted Emissions:

Factor													
Measured Level (Amplitude)	26.7	+	Transducer Factor	0.3	+	Cable Factor	0.1	+	External Attenuation	20.0	=	Adjusted Level	47.1

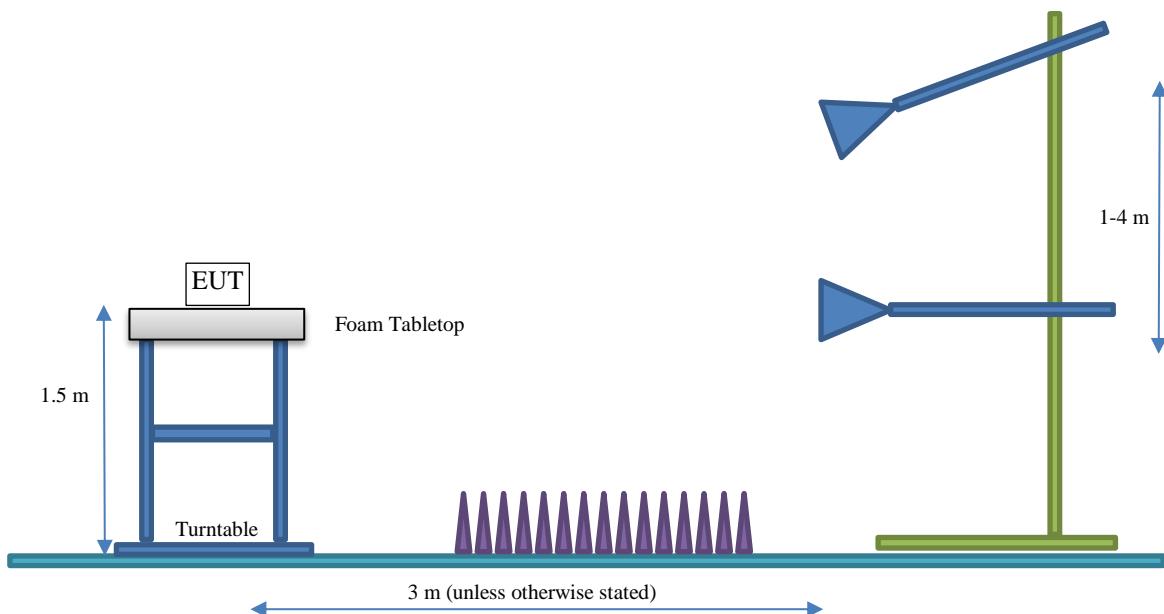
Radiated Power (ERP/EIRP) – Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)	10.0	+	Substitution Antenna Factor (dBi)	6.0	-	EIRP to ERP (if applicable)	2.15	=	Measured power (dBm ERP/EIRP)	13.9/16.0
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TEST SETUP BLOCK DIAGRAMS

Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



PRODUCT DESCRIPTION



Client and Equipment under Test (EUT) Information

Company Name:	Dot Ai Corporation
Address:	2 Shaker Road
City, State, Zip:	Shirley, MA 01464
Test Requested By:	Vijayan Nambiar
EUT:	DAIC-MCB-XN; DAIC-ACB-XN
First Date of Test:	July 8, 2025
Last Date of Test:	July 31, 2025
Receipt Date of Samples:	July 8, 2025
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

DAIC-MCB-XN and DAIC-ACB-XN are asset tracking devices that contain one BLE radio and one 900 MHz LoRa radio. Both models share the same PCB design and operate from the same supply voltage. The only distinction lies in the power source: the DAIC-MCB-XN is powered by internal 18650 rechargeable batteries, while the DAIC-ACB-XN is powered externally via an M12 connector. Together, they provide flexible options for asset tracking applications that demand both wireless versatility and deployment adaptability.

Testing Objective:

To demonstrate compliance of the Bluetooth radio to FCC 15.247/RSS-247 requirements.

POWER SETTINGS AND ANTENNAS



The power settings, antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

ANTENNA GAIN (dBi)

Type	Provided by:	Frequency Range (MHz)	Gain (dBi)
Monopole	Dot Ai Corporation	2402 - 2480	2.41

The EUT was tested using the power settings provided by the manufacturer which were based upon:

Firmware used for testing:

- Test firmware settings
- Rated power settings

Model:	Version:
DAIC-ACB-XN	1.2.6+0
DAIC-MCB-XN	1.2.6+5

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types / Data Rates	Type	Channel	Position	Frequency (MHz)	Power Setting (dBm)
BLE GFSK	DTS	37	Low Channel	2402	0
		18	Mid Channel	2442	
		39	High Channel	2480	

CONFIGURATIONS



Configuration DTAI0006-1

Software/Firmware Running During Test	
Description	Version
Firmware	1.2.6+0
nRF Connect for Desktop (Serial Terminal)	v5.1.0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Access Bridge	Dot Ai Corporation	DAIC-ACB-XN	25020-DC9F98DBAE33

Peripheral Equipment Inside Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Adapter	C.SA Electronics	CS-1205000	None
Laptop	Dell	Inspiron	9WF2KL3
AC Adapter (Laptop)	Dell	LA65NM170	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power (Laptop)	No	0.9	No	AC Power	AC Adapter (Laptop)
DC Power (Laptop)	No	1.8	No	AC Adapter	Laptop
AC Power	No	2.4	No	AC Power	AC Adapter
DC Power	No	1.2	Yes	AC Adapter	M12 Cable Harness
M12 Cable Harness	No	0.5	No	Access Bridge	DC

Configuration DTAI0006-2

Software/Firmware Running During Test	
Description	Version
Firmware	1.2.6+0
nRF Connect for Desktop (Serial Terminal)	v5.1.0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Access Bridge	Dot Ai Corporation	DAIC-ACB-XN	250311-FA26729161F0

Peripheral Equipment Inside Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Adapter	C.SA Electronics	CS-1205000	None
Laptop	Dell	Inspiron	9WF2KL3
AC Adapter (Laptop)	Dell	LA65NM170	None

CONFIGURATIONS



Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power (Laptop)	No	0.9	No	AC Power	AC Adapter (Laptop)
DC Power (Laptop)	No	1.8	No	AC Adapter	Laptop
AC Power	No	2.4	No	AC Power	AC Adapter
DC Power	No	1.2	Yes	AC Adapter	M12 Cable Harness
M12 Cable Harness	No	0.5	No	Access Bridge	DC

Configuration DTAI0006-3

Software/Firmware Running During Test	
Description	Version
AuTerm	0.35a
Firmware	1.2.6+5

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Marker Bridge	Dot Ai Corporation	DAIC-MCB-XN	250520-D0A1DE7162A5

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Dell	Inspiron	9WF2KL3
AC Adapter (Laptop)	Dell	LA65NM170	None

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power (Laptop)	No	0.9	No	AC Power	AC Adapter (Laptop)
DC Power (Laptop)	No	1.8	No	AC Adapter	Laptop

CONFIGURATIONS



Configuration DTAI0006-5

Software/Firmware Running During Test	
Description	Version
Firmware	1.2.6+0
nRF Connect for Desktop (Serial Terminal)	v5.1.0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Access Bridge	Dot Ai Corporation	DAIC-ACB-XN	25020-DC9F98DBAE33

Peripheral Equipment Inside Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC Adapter	C.SA Electronics	CS-1205000	None

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Dell	Inspiron	9WF2KL3

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power	No	2.4	No	AC Power	AC Adapter
DC Power	No	1.2	Yes	AC Adapter	M12 Cable Harness
M12 Cable Harness	No	0.5	No	Access Bridge	DC

MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2025-07-08	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2025-07-09	Band Edge Compliance	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2025-07-09	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2025-07-09	Equivalent Isotropic Radiated Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
5	2025-07-09	Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
6	2025-07-09	Occupied Bandwidth (99%)	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
7	2025-07-09	DTS Bandwidth (6dB)	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
8	2025-07-30	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
9	2025-07-30	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
10	2025-07-31	Radiated Spurious Emissions – Restricted Band Edge	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWERLINE CONDUCTED EMISSIONS



TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
LISN	Solar Electronics	9252-50-R-24-BNC	LIR	2024-09-13	2025-09-13
Receiver	Gauss Instruments	TDEMI 30M	ARN	2025-06-12	2026-06-12
Cable - Conducted Cable Assembly	Northwest EMC	EVG, HHD, RKT, VAB	EVGA	2025-04-08	2026-04-08

CONFIGURATIONS INVESTIGATED

DTAI0006-5

MODES INVESTIGATED

BLE, Mid Ch = 2440 MHz, Power = 0 dBm

POWERLINE CONDUCTED EMISSIONS

EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	25020-DC9F98DBAE33	Date:	2025-07-30
Customer:	Dot Ai Corporation	Temperature:	24.2°C
Attendees:	None	Relative Humidity:	46.3%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV07
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-5

TEST PARAMETERS

Run #:	1	Line:	Neutral	Add. Ext. Attenuation (dB):	0
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COMMENTS

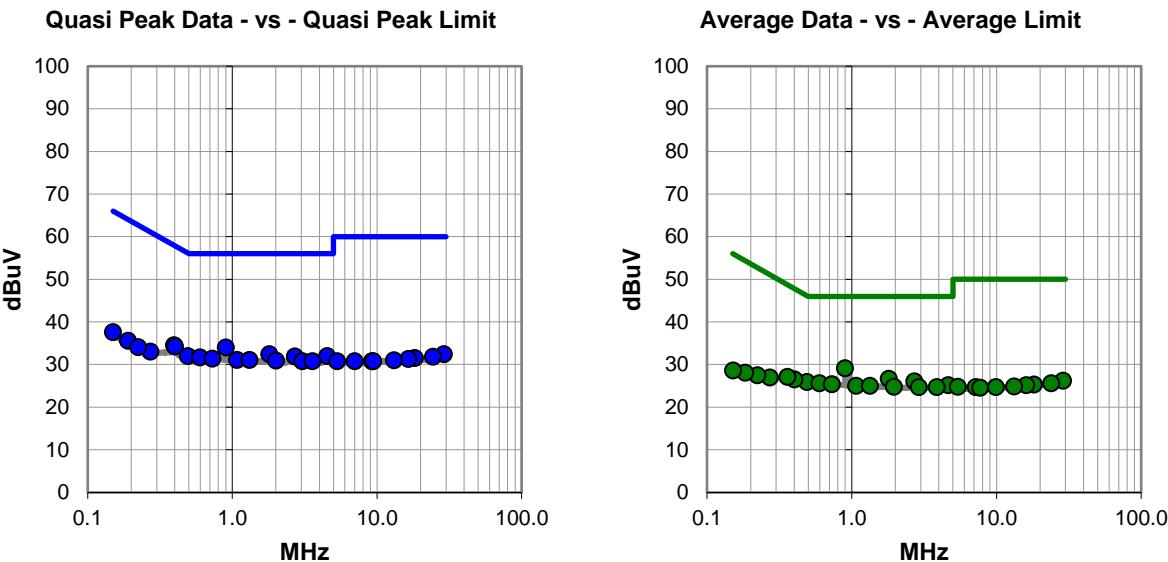
None

EUT OPERATING MODES

BLE, Mid Ch = 2440 MHz, Power = 0 dBm

DEVIATIONS FROM TEST STANDARD

None



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #1

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.901	14.1	19.9	34.0	56.0	-22.0
0.396	14.6	19.9	34.5	57.9	-23.4
0.402	14.3	19.9	34.2	57.8	-23.6
1.802	12.4	20.0	32.4	56.0	-23.6
4.537	11.7	20.3	32.0	56.0	-24.0
0.492	12.1	19.9	32.0	56.1	-24.1
2.706	11.8	20.1	31.9	56.0	-24.1
0.597	11.8	19.9	31.7	56.0	-24.3
0.730	11.5	19.9	31.4	56.0	-24.6
1.079	11.2	19.9	31.1	56.0	-24.9
1.316	11.1	20.0	31.1	56.0	-24.9
2.004	10.9	20.0	30.9	56.0	-25.1
3.048	10.7	20.1	30.8	56.0	-25.2
3.575	10.7	20.1	30.8	56.0	-25.2
29.014	10.1	22.3	32.4	60.0	-27.6
0.272	13.1	19.9	33.0	61.1	-28.1
24.416	10.1	21.7	31.8	60.0	-28.2
0.150	17.4	20.2	37.6	66.0	-28.4
0.190	15.6	20.0	35.6	64.1	-28.5
18.222	10.2	21.3	31.5	60.0	-28.5
0.223	14.1	20.0	34.1	62.7	-28.6
16.485	10.1	21.2	31.3	60.0	-28.7
13.106	10.2	20.8	31.0	60.0	-29.0
5.306	10.5	20.3	30.8	60.0	-29.2
6.996	10.4	20.4	30.8	60.0	-29.2

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.901	9.2	19.9	29.1	46.0	-16.9
1.802	6.7	20.0	26.7	46.0	-19.3
2.704	6.0	20.1	26.1	46.0	-19.9
0.490	6.0	19.9	25.9	46.2	-20.3
0.597	5.7	19.9	25.6	46.0	-20.4
0.728	5.5	19.9	25.4	46.0	-20.6
4.654	4.9	20.3	25.2	46.0	-20.8
1.076	5.1	19.9	25.0	46.0	-21.0
1.339	5.0	20.0	25.0	46.0	-21.0
1.954	4.8	20.0	24.8	46.0	-21.2
0.402	6.6	19.9	26.5	47.8	-21.3
2.904	4.6	20.1	24.7	46.0	-21.3
3.878	4.5	20.2	24.7	46.0	-21.3
0.359	7.2	19.9	27.1	48.8	-21.7
28.939	3.9	22.3	26.2	50.0	-23.8
0.272	7.1	19.9	27.0	51.1	-24.1
23.950	3.9	21.7	25.6	50.0	-24.4
18.206	4.0	21.3	25.3	50.0	-24.7
16.113	4.0	21.2	25.2	50.0	-24.8
13.238	4.0	20.9	24.9	50.0	-25.1
0.223	7.5	20.0	27.5	52.7	-25.2
5.408	4.5	20.3	24.8	50.0	-25.2
7.213	4.3	20.4	24.7	50.0	-25.3
9.918	4.1	20.6	24.7	50.0	-25.3
7.749	4.1	20.5	24.6	50.0	-25.4

CONCLUSION

Pass



Tested By

POWERLINE CONDUCTED EMISSIONS

EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	25020-DC9F98DBAE33	Date:	2025-07-30
Customer:	Dot Ai Corporation	Temperature:	24.2°C
Attendees:	None	Relative Humidity:	46.3%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV07
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-5

TEST PARAMETERS

Run #:	2	Line:	High Line	Add. Ext. Attenuation (dB):	0
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COMMENTS

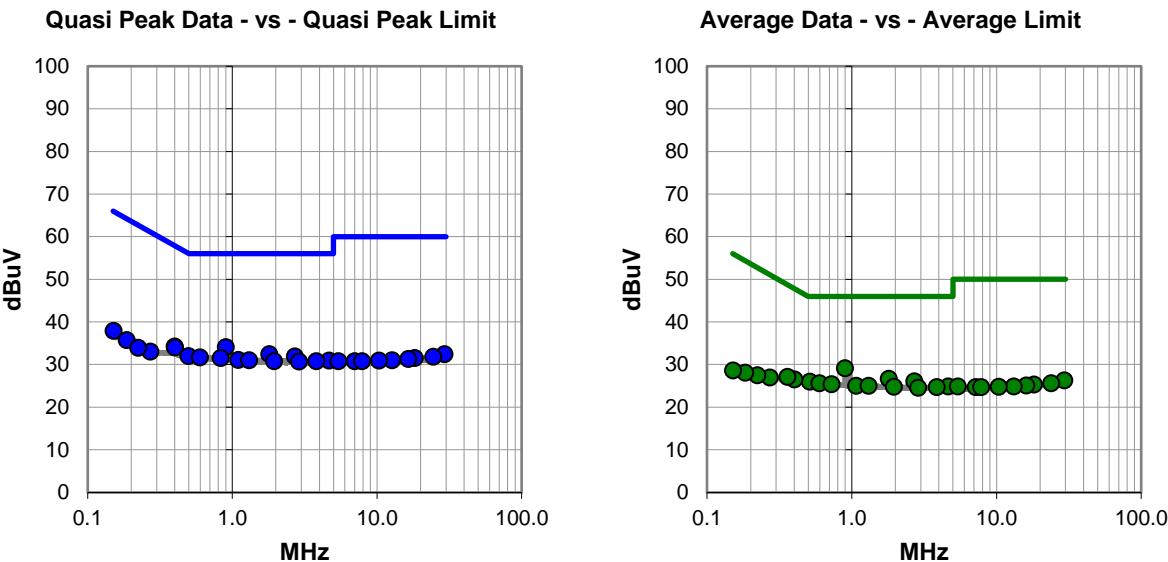
None

EUT OPERATING MODES

BLE, Mid Ch = 2440 MHz, Power = 0 dBm

DEVIATIONS FROM TEST STANDARD

None



POWERLINE CONDUCTED EMISSIONS



RESULTS - Run #2

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.902	14.2	19.9	34.1	56.0	-21.9
1.804	12.4	20.0	32.4	56.0	-23.6
0.399	14.3	19.9	34.2	57.9	-23.7
0.402	14.1	19.9	34.0	57.8	-23.8
0.498	12.1	19.9	32.0	56.0	-24.0
2.706	11.8	20.1	31.9	56.0	-24.1
0.597	11.8	19.9	31.7	56.0	-24.3
0.832	11.6	19.9	31.5	56.0	-24.5
1.099	11.2	19.9	31.1	56.0	-24.9
1.311	11.0	20.0	31.0	56.0	-25.0
4.656	10.6	20.3	30.9	56.0	-25.1
1.943	10.8	20.0	30.8	56.0	-25.2
3.803	10.6	20.2	30.8	56.0	-25.2
2.895	10.6	20.1	30.7	56.0	-25.3
29.355	10.1	22.3	32.4	60.0	-27.6
0.152	17.7	20.2	37.9	65.9	-28.0
0.272	13.1	19.9	33.0	61.1	-28.1
24.465	10.1	21.7	31.8	60.0	-28.2
0.187	15.7	20.0	35.7	64.2	-28.5
18.214	10.2	21.3	31.5	60.0	-28.5
16.449	10.1	21.2	31.3	60.0	-28.7
0.223	13.9	20.0	33.9	62.7	-28.8
12.744	10.2	20.8	31.0	60.0	-29.0
10.338	10.2	20.7	30.9	60.0	-29.1
5.405	10.5	20.3	30.8	60.0	-29.2

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.901	9.2	19.9	29.1	46.0	-16.9
1.802	6.7	20.0	26.7	46.0	-19.3
2.704	6.0	20.1	26.1	46.0	-19.9
0.515	6.1	19.9	26.0	46.0	-20.0
0.597	5.7	19.9	25.6	46.0	-20.4
0.727	5.5	19.9	25.4	46.0	-20.6
1.076	5.1	19.9	25.0	46.0	-21.0
1.311	5.0	20.0	25.0	46.0	-21.0
4.654	4.6	20.3	24.9	46.0	-21.1
1.955	4.8	20.0	24.8	46.0	-21.2
0.402	6.6	19.9	26.5	47.8	-21.3
3.881	4.5	20.2	24.7	46.0	-21.3
2.881	4.5	20.1	24.6	46.0	-21.4
0.359	7.2	19.9	27.1	48.8	-21.7
29.468	4.0	22.3	26.3	50.0	-23.7
0.272	7.1	19.9	27.0	51.1	-24.1
23.928	3.9	21.7	25.6	50.0	-24.4
18.208	4.0	21.3	25.3	50.0	-24.7
16.079	3.9	21.2	25.1	50.0	-24.9
5.408	4.6	20.3	24.9	50.0	-25.1
13.185	4.0	20.9	24.9	50.0	-25.1
0.223	7.5	20.0	27.5	52.7	-25.2
10.399	4.1	20.7	24.8	50.0	-25.2
7.211	4.3	20.4	24.7	50.0	-25.3
7.851	4.2	20.5	24.7	50.0	-25.3

CONCLUSION

Pass

Tested By

DUTY CYCLE

TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

The test software provided for operation in a fixed, single channel mode allows the EUT to operate continuously at 100% Duty Cycle.

DTS BANDWIDTH (6 dB)



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The EUT was set to the channels and modes listed in the datasheet.

The 6dB DTS bandwidth was measured using the following analyzer settings:

Detector: Peak

Sweep time: Auto

Resolution Bandwidth: 1% to 5% of the OBW but not less than 100 kHz

Video Bandwidth: $\geq 3 * \text{RBW}$

Trace: Max Hold

Span: Large enough to capture all products of the modulation process, including the emission skirts.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

DTS BANDWIDTH (6 dB)



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.4°C
Attendees:	None	Relative Humidity:	44.5%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Reference level offset includes; DC Block, 20 dB attenuator, measurement cable, and manufacturers patch cable.

Screen capture depicts worst case (narrowest) channel – High Channel = 2480 MHz.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

	Value	Limit (\pm)	Result
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	734.451 kHz	500 kHz	Pass
Mid Channel, 2440 MHz	711.675 kHz	500 kHz	Pass
High Channel, 2480 MHz	697.893 kHz	500 kHz	Pass

DTS BANDWIDTH (6 dB)



BLE/GFSK 1 Mbps
High Channel, 2480 MHz

OCCUPIED BANDWIDTH (99%)



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The 99% occupied bandwidth was measured with the EUT configured for continuous modulated operation.

Per ANSI C63.10:2020, 6.9.3, the spectrum analyzer was configured as follows:

Sweep time: Auto

Resolution Bandwidth: 1% to 5% of the OBW

Video Bandwidth: $\geq 3 * \text{RBW}$

Trace: Max Hold

Span: Large enough to capture all products of the modulation process, including the emission skirts.

A sample detector was used unless the device was not able to be operated in a continuous transmit mode, in which case a peak detector was used.

The spectrum analyzer occupied bandwidth measurement function was used to sum the power of the transmission in linear terms to obtain the 99% bandwidth.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

OCCUPIED BANDWIDTH (99%)



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	44.6%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Reference level offset includes; DC Block, 20 dB attenuator, measurement cable, and manufacturers patch cable.
Screen capture depicts worst case channel.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

N/A

Tested By

TEST RESULTS

	Value	Limit	Result
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	1.079 MHz	N/A	N/A
Mid Channel, 2440 MHz	1.052 MHz	N/A	N/A
High Channel, 2480 MHz	1.064 MHz	N/A	N/A

OCCUPIED BANDWIDTH (99%)



OUTPUT POWER



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Analyzer settings:

Detector: Peak
Sweep time: Auto
Resolution Bandwidth: \geq DTS bandwidth
Video Bandwidth: $\geq 3 * RBW$
Trace: Max Hold

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

OUTPUT POWER



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	44.6%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Reference level offset includes; DC Block, 20 dB attenuator, measurement cable, and manufacturers patch cable.
Screen capture depicts worst case channel.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

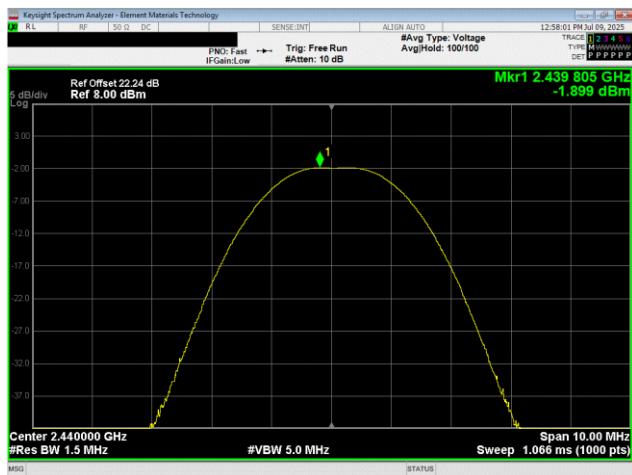
Pass

Tested By

TEST RESULTS

	Out Pwr (dBm)	Limit (dBm)	Result
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	-2.077	30	Pass
Mid Channel, 2440 MHz	-1.899	30	Pass
High Channel, 2480 MHz	-1.993	30	Pass

OUTPUT POWER



BLE/GFSK 1 Mbps
Mid Channel, 2440 MHz

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi)

Analyzer settings:

Detector: Peak
Sweep time: Auto
Resolution Bandwidth: \geq DTS bandwidth
Video Bandwidth: $\geq 3 * \text{RBW}$
Trace: Max Hold

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	44.7%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	-2.077	2.41	0.3	36	Pass
Mid Channel, 2440 MHz	-1.899	2.41	0.5	36	Pass
High Channel, 2480 MHz	-1.993	2.41	0.4	36	Pass

POWER SPECTRAL DENSITY



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

Per the procedure outlined in ANSI C63.10 the peak power spectral density was measured in a 3 kHz RBW.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

POWER SPECTRAL DENSITY



EUT:	DAIC-ACB-XN-L	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.2°C
Attendees:	None	Relative Humidity:	43.4%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Reference level offset includes; DC Block, 20 dB attenuator, measurement cable, and manufacturers patch cable.
Screen capture depicts worst case channel.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

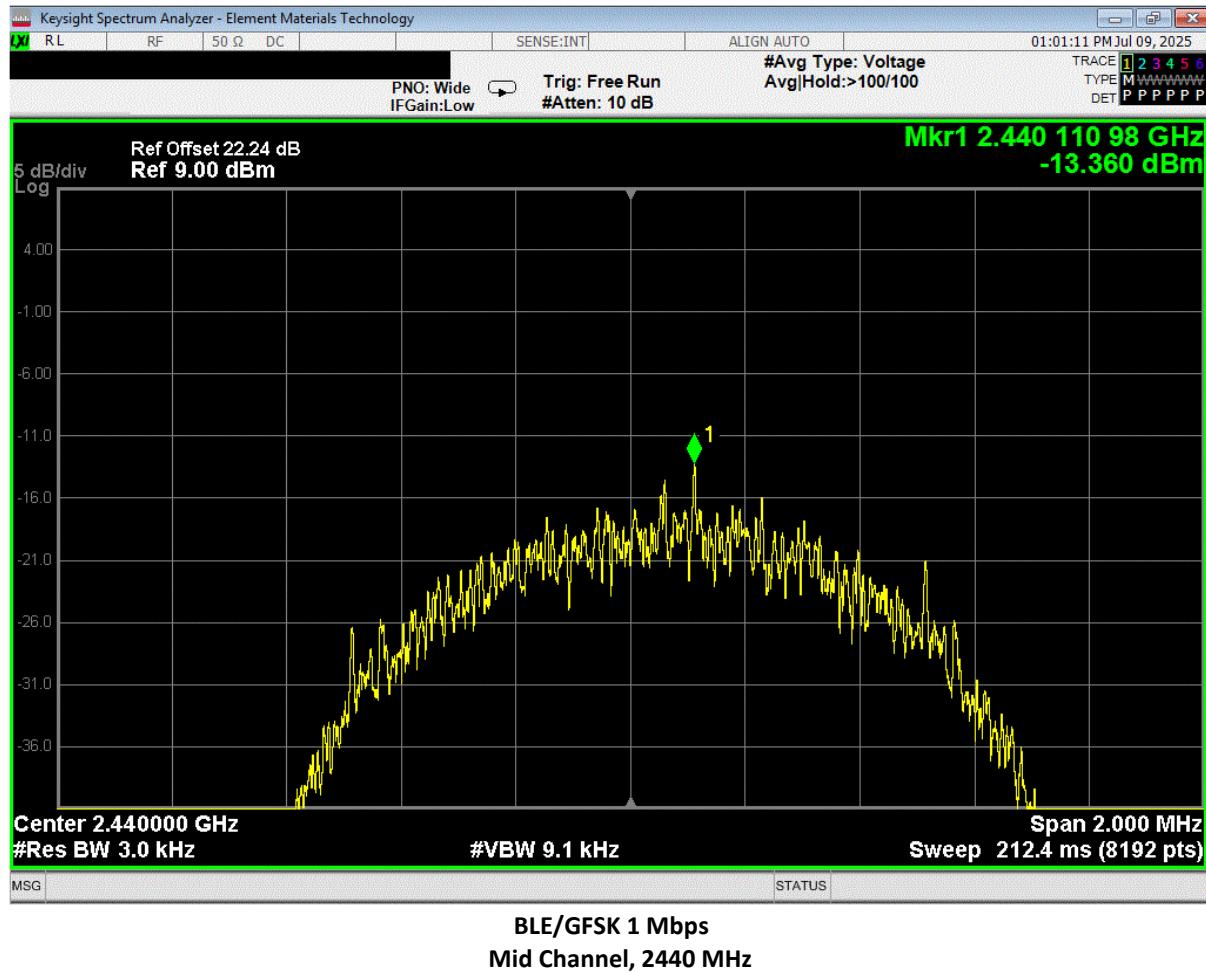
Pass

Tested By

TEST RESULTS

	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	-15.466	8	Pass
Mid Channel, 2440 MHz	-13.36	8	Pass
High Channel, 2480 MHz	-14.416	8	Pass

POWER SPECTRAL DENSITY



BAND EDGE COMPLIANCE



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge. The analyzer screen captures for this test show an example of the emission mask for the test mode also used during the radiated spurious emissions at the restricted band edges test.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

BAND EDGE COMPLIANCE



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	44.3%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Reference level offset includes; DC Block, 20 dB attenuator, measurement cable, and manufacturers patch cable.

None

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

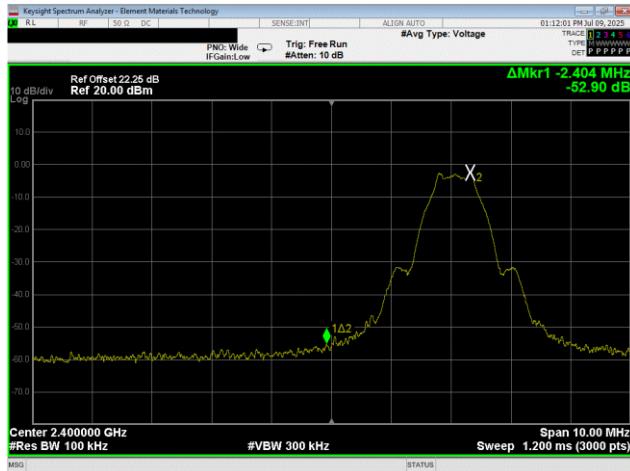
Pass

Tested By

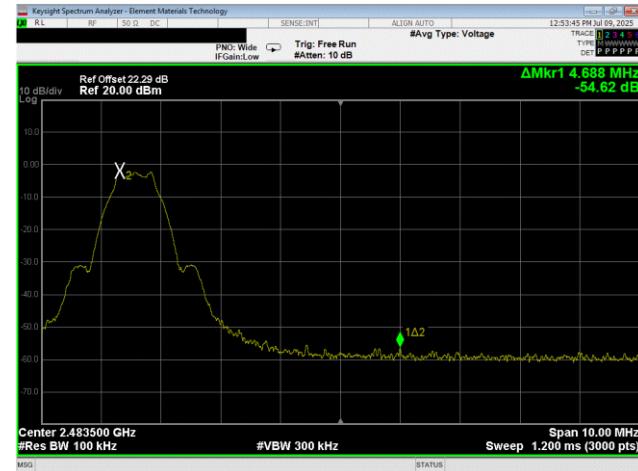
TEST RESULTS

	Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 1 Mbps			
Low Channel, 2402 MHz	-52.9	-20	Pass
High Channel, 2480 MHz	-54.62	-20	Pass

BAND EDGE COMPLIANCE



BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
High Channel, 2480 MHz

SPURIOUS CONDUCTED EMISSIONS



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the fundamental was measured with a 100 kHz resolution bandwidth and the highest value was recorded. The rest of the spectrum was then measured with a 100 kHz resolution bandwidth and the highest value was found. The difference between the value found on the fundamental and the rest of the spectrum was compared against the limit to determine compliance.

The reference level offset for the fundamental screen capture was based on a measured value of the loss between the spectrum analyzer and the EUT which was verified at the time of test. The remaining screen capture(s) use an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value and any other losses.

Fundamental Offset = Ref Lvl Offset showing measured composite factor of all losses

Remaining Screen capture(s) Offset = "Internal" cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and any other losses

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Block - DC	Fairview Microwave	SD3379	AMW	2025-03-21	2026-03-21
Attenuator	S.M. Electronics	SA26B-20	AWU	2025-03-21	2026-03-21
Cable	Micro-Coax	UFD150A-1-0720-200200	EVK	2025-03-21	2026-03-21
Generator - Signal	Agilent	N5181A	TIG	2023-04-18	2026-04-18

SPURIOUS CONDUCTED EMISSIONS



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	250311-FA26729161F0	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	23.3°C
Attendees:	None	Relative Humidity:	44.1%
Customer Project:	None	Bar. Pressure (PMSL):	1021 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz	Configuration:	DTAI0006-2

COMMENTS

Screen capture depicts worst case channel.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

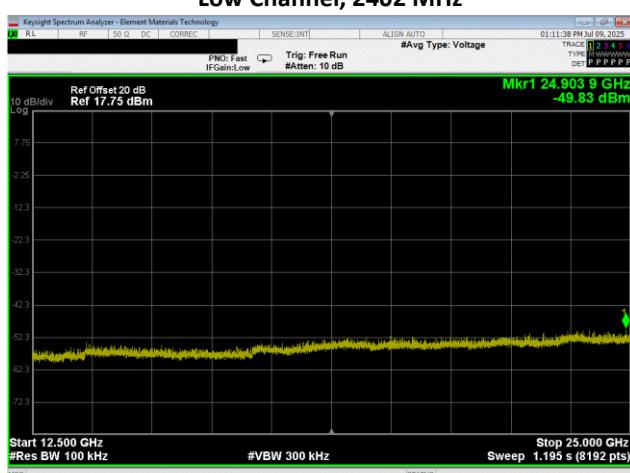
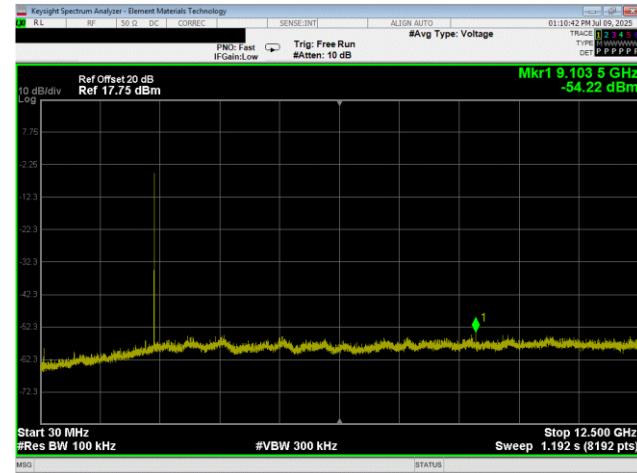
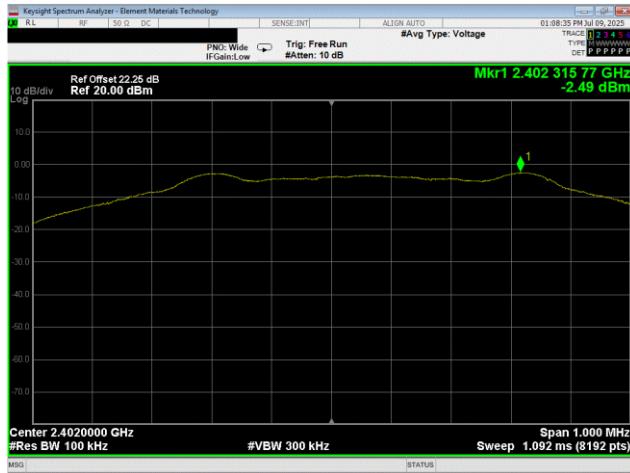
Pass

Tested By

TEST RESULTS

	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	Fundamental 30 MHz - 12.5 GHz 12.5 GHz - 25 GHz	2402.32 9103.52 24903.86	N/A -51.73 -47.34	N/A -20 -20	N/A Pass Pass
Mid Channel, 2440 MHz	Fundamental 30 MHz - 12.5 GHz 12.5 GHz - 25 GHz	2439.81 9085.25 24265.96	N/A -52.43 -47.39	N/A -20 -20	N/A Pass Pass
High Channel, 2480 MHz	Fundamental 30 MHz - 12.5 GHz 12.5 GHz - 25 GHz	2479.8 10536.1 24513.19	N/A -52.42 -48.04	N/A -20 -20	N/A Pass Pass

SPURIOUS CONDUCTED EMISSIONS



RADIATED BAND EDGE EMISSIONS



TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data; this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made in a radiated configuration of the fundamental with the carrier fully maximized for its highest radiated power.

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as shown in the data sheets.

The emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and attenuation were used (if needed) for this test to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

PK = Peak Detector

AV = RMS Detector

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIZ	2024-03-08	2026-03-08
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAG	2024-10-28	2025-10-28
Cable	N/A	Double Ridge Horn Cables	EVB	2025-05-02	2026-05-02
Attenuator	Coaxicom	3910-10	AWX	2024-10-28	2025-10-28
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25

CONFIGURATIONS INVESTIGATED

DTAI0006-1

DTAI0006-3

RADIATED BAND EDGE EMISSIONS



EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	25020-DC9F98DBAE33	Date:	2025-07-09
Customer:	Dot Ai Corporation	Temperature:	24°C
Attendees:	None	Relative Humidity:	44.3%
Customer Project:	None	Bar. Pressure (PMSL):	1020 mbar
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	15 VDC via 110VAC/60Hz	Configuration:	DTAI0006-1

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

TEST RESULTS

	Frequency (MHz)	PK (dBuV/m) AV (dBuV/m)	PK Lim (dBuV/m) AV Lim (dBuV/m)	Worst Margin (dB)	Pol. (H/V)	EUT Orientation	Results
BLE/GFSK 1 Mbps							
Low Channel, 2402 MHz	2389.982	47.8	74.0	-17.5	H	on Side	Pass
	2385.255	36.5	54.0				
High Channel, 2480 MHz	2387.986	48.3	74.0	-17.4	V	on Side	Pass
	2387.491	36.6	54.0				
	2483.518	48.9	74.0	-16.2	H	on Side	Pass
	2483.538	37.8	54.0				
	2484.553	49.4	74.0	-16.4	V	on Side	Pass
	2483.518	37.6	54.0				
	2484.453	48.8	74.0	-16.3	H	Horizontal	Pass
	2483.538	37.7	54.0				
	2487.444	48.1	74.0	-16.9	V	Horizontal	Pass
	2483.518	37.1	54.0				
	2484.603	48.6	74.0	-16.8	H	Vertical	Pass
	2483.518	37.2	54.0				
	2483.918	48.5	74.0	-16.7	V	Vertical	Pass
	2483.518	37.3	54.0				

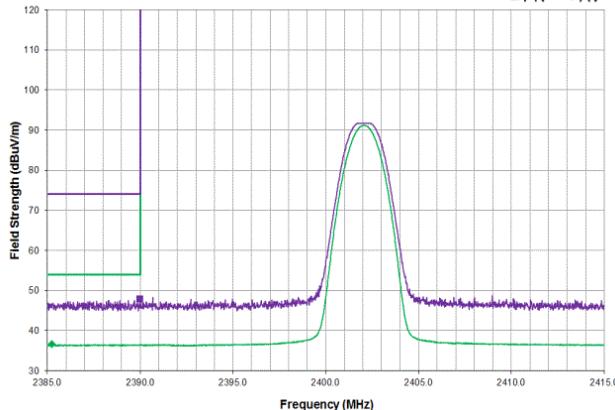
RADIATED BAND EDGE EMISSIONS



RBW: 1 MHz Peak Offset: 5.1 dB Peak: 2389.982 MHz, 47.8 dBuV/m
VBW: 3 MHz Avg Offset: 5.1 dB Avg: 2385.255 MHz, 36.5 dBuV/m
Avg SWT: 2000.1 ms Azi: 281°, Height: 198 cm, Pol: Hori, Distance: 3 m



■ PK ■ AV

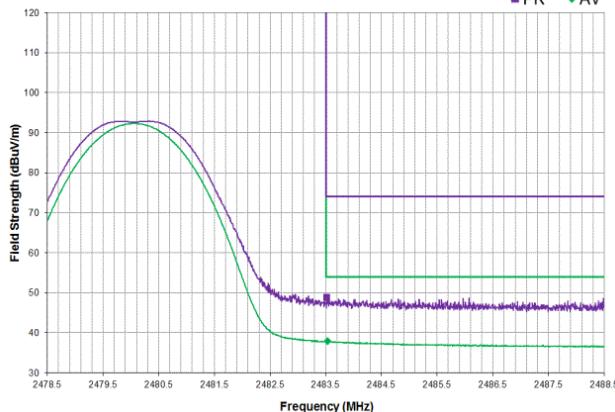


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

RBW: 1 MHz Peak Offset: 5.4 dB Peak: 2483.518 MHz, 48.9 dBuV/m
VBW: 3 MHz Avg Offset: 5.4 dB Avg: 2483.538 MHz, 37.8 dBuV/m
Avg SWT: 2000.1 ms Azi: 171°, Height: 175 cm, Pol: Hori, Distance: 3 m



■ PK ■ AV

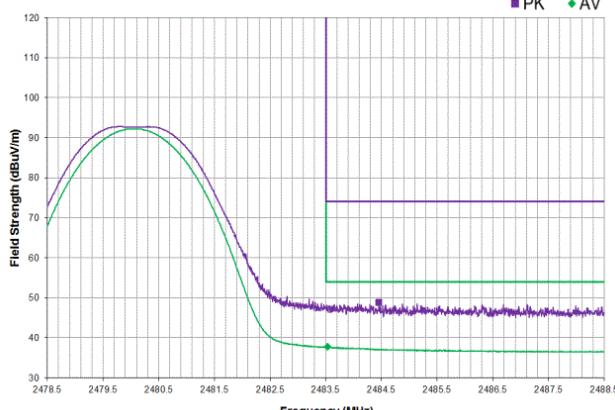


BLE/GFSK 1 Mbps
High Channel, 2480 MHz

RBW: 1 MHz Peak Offset: 5.4 dB Peak: 2484.453 MHz, 48.8 dBuV/m
VBW: 3 MHz Avg Offset: 5.4 dB Avg: 2483.538 MHz, 37.7 dBuV/m
Avg SWT: 2000.1 ms Azi: 213°, Height: 150 cm, Pol: Hori, Distance: 3 m



■ PK ■ AV

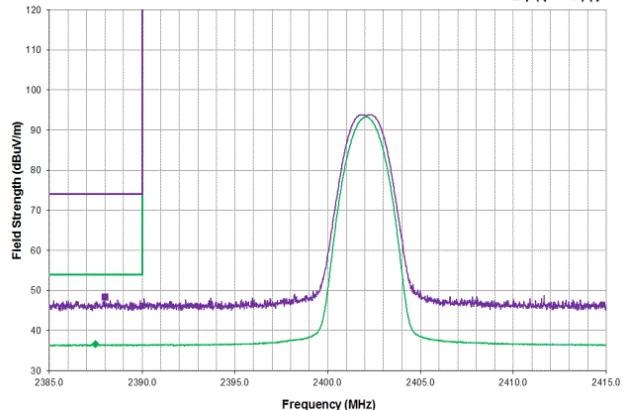


BLE/GFSK 1 Mbps
High Channel, 2480 MHz

RBW: 1 MHz Peak Offset: 5.1 dB Peak: 2387.986 MHz, 48.3 dBuV/m
VBW: 3 MHz Avg Offset: 5.1 dB Avg: 2387.491 MHz, 36.6 dBuV/m
Avg SWT: 2000.1 ms Azi: 171°, Height: 100 cm, Pol: Vert, Distance: 3 m



■ PK ■ AV

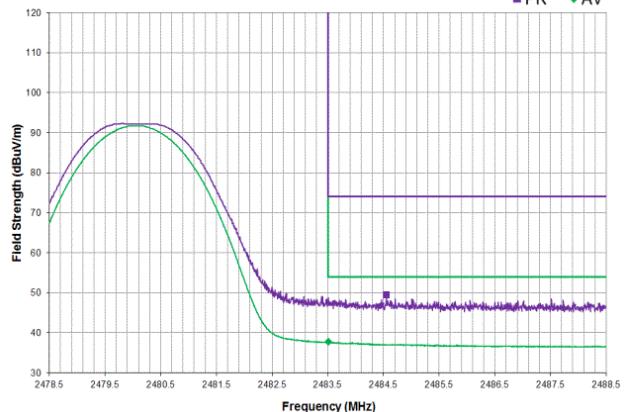


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

RBW: 1 MHz Peak Offset: 5.4 dB Peak: 2484.553 MHz, 49.4 dBuV/m
VBW: 3 MHz Avg Offset: 5.4 dB Avg: 2483.518 MHz, 37.6 dBuV/m
Avg SWT: 2000.1 ms Azi: 244°, Height: 150 cm, Pol: Vert, Distance: 3 m



■ PK ■ AV

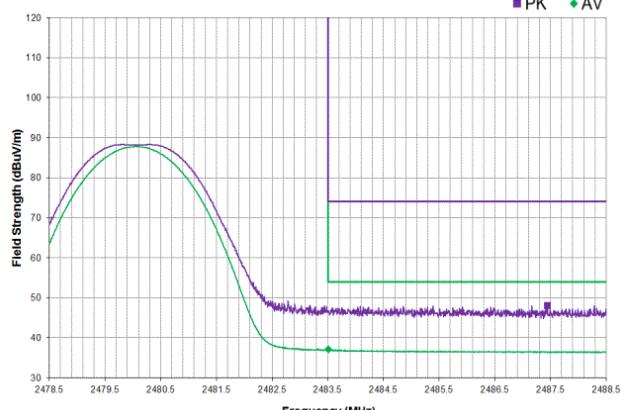


BLE/GFSK 1 Mbps
High Channel, 2480 MHz

RBW: 1 MHz Peak Offset: 5.4 dB Peak: 2487.444 MHz, 48.1 dBuV/m
VBW: 3 MHz Avg Offset: 5.4 dB Avg: 2483.518 MHz, 37.1 dBuV/m
Avg SWT: 2000.1 ms Azi: 191°, Height: 369 cm, Pol: Vert, Distance: 3 m

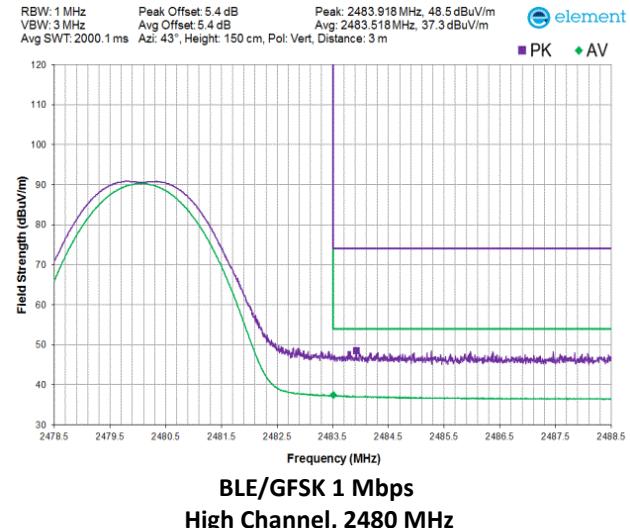
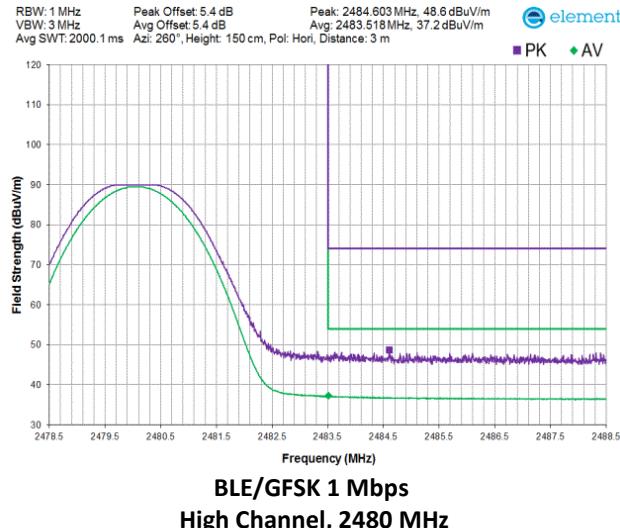


■ PK ■ AV



BLE/GFSK 1 Mbps
High Channel, 2480 MHz

RADIATED BAND EDGE EMISSIONS



RADIATED BAND EDGE EMISSIONS



EUT:	DAIC-MCB-XN	Work Order:	DTAI0006
Serial Number:	250520-D0A1DE7162A5	Date:	2025-07-31
Customer:	Dot Ai Corporation	Temperature:	23.7°C
Attendees:	None	Relative Humidity:	49.6%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mbar
Tested By:	Christopher Pinkham and Jeff Alcocke	Job Site:	EV01
Power:	Battery	Configuration:	DTAI0006-3

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

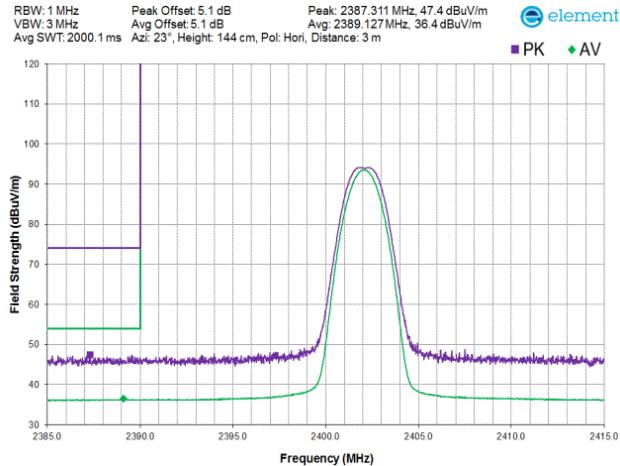
Pass

Tested By

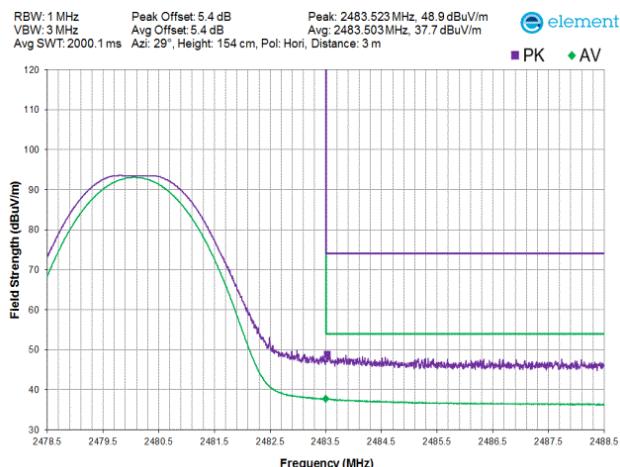
TEST RESULTS

	Frequency (MHz)	PK AV (dBuV/m)	PK Lim AV Lim (dBuV/m)	Worst Margin (dB)	Pol. (H/V)	EUT Orientation	Results
BLE/GFSK 1 Mbps							
Low Channel, 2402 MHz	2387.311 2389.127	47.4 36.4	74.0 54.0	-17.6	H	on Side	Pass
	2385.270 2385.465	47.6 36.2	74.0 54.0	-17.8	V	on Side	Pass
High Channel, 2480 MHz	2483.523 2483.503	48.9 37.7	74.0 54.0	-16.3	H	on Side	Pass
	2484.008 2483.503	48.1 37.3	74.0 54.0	-16.7	V	on Side	Pass

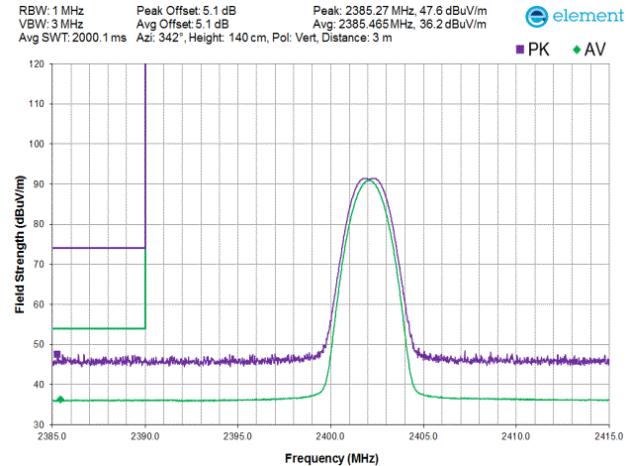
RADIATED BAND EDGE EMISSIONS



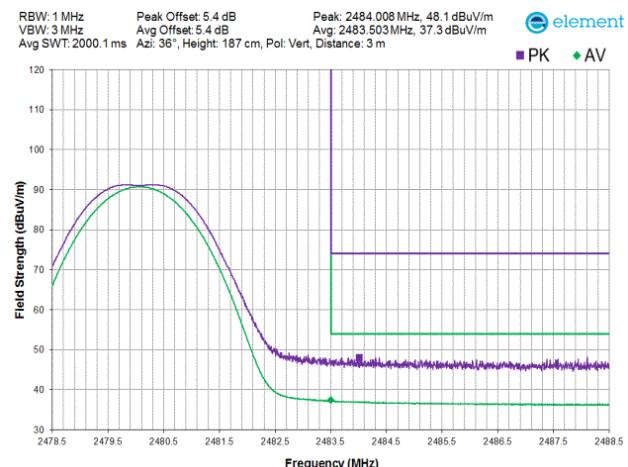
BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
High Channel, 2480 MHz



BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
High Channel, 2480 MHz

SPURIOUS RADIATED EMISSIONS



TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as shown in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. A reference preview scan (pre-scan) is included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axes if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector

PK = Peak Detector

AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out-of-band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25
Antenna - Loop	EMCO	6502	AOA	2024-10-23	2026-10-23
Antenna - Biconilog	Teseq	CBL 6141B	AXR	2025-04-15	2027-04-15
Antenna - Double Ridge	ETS Lindgren	3115	AIZ	2024-03-08	2026-03-08
Antenna - Standard Gain	ETS Lindgren	3160-07	AHU	2025-01-23	2026-01-23
Antenna - Standard Gain	ETS Lindgren	3160-08	AHV	2025-01-23	2026-01-23
Antenna - Standard Gain	ETS Lindgren	3160-09	AIV	2025-01-23	2026-01-23
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	AOL	2024-10-28	2025-10-28
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	PAG	2024-10-28	2025-10-28
Amplifier - Pre-Amplifier	L-3 Narda-MITEQ	AMF-6F-08001200-30-10P	PAO	2024-10-28	2025-10-28
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVD	2024-10-28	2025-10-28
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AVU	2025-04-27	2026-04-27
Cable	N/A	Bilog Cables	EVA	2024-10-29	2025-10-29
Cable	N/A	Double Ridge Horn Cables	EVB	2025-05-02	2026-05-02
Cable	None	Standard Gain Horn Cables	EVF	2024-10-28	2025-10-28
Attenuator	Coaxicom	3910-10	AWX	2024-10-28	2025-10-28
Filter - Low Pass	Micro-Tronics	LPM50004	LFD	2024-10-28	2025-10-28
Filter - High Pass	Micro-Tronics	HPM50111	HFO	2024-10-28	2025-10-28

FREQUENCY RANGE INVESTIGATED

9 kHz TO 26.4 GHz

POWER INVESTIGATED

12 VDC via 110VAC/60Hz.
Battery

SPURIOUS RADIATED EMISSIONS

CONFIGURATIONS INVESTIGATED

DTAI0006-1
DTAI0006-3

MODES INVESTIGATED

BLE, Low Channel = 2402 MHz, Mid Channel = 2440 MHz, High Channel = 2480 MHz

SPURIOUS RADIATED EMISSIONS

EUT:	DAIC-ACB-XN	Work Order:	DTAI0006
Serial Number:	25020-DC9F98DBAE33	Date:	2025-07-08
Customer:	Dot Ai Corporation	Temperature:	23.7°C
Attendees:	None	Relative Humidity:	44.8%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Jeff Alcocke and Chris Pinkham	Job Site:	EV01
Power:	12 VDC via 110VAC/60Hz.	Configuration:	DTAI0006-1

TEST PARAMETERS

Run #:	28	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

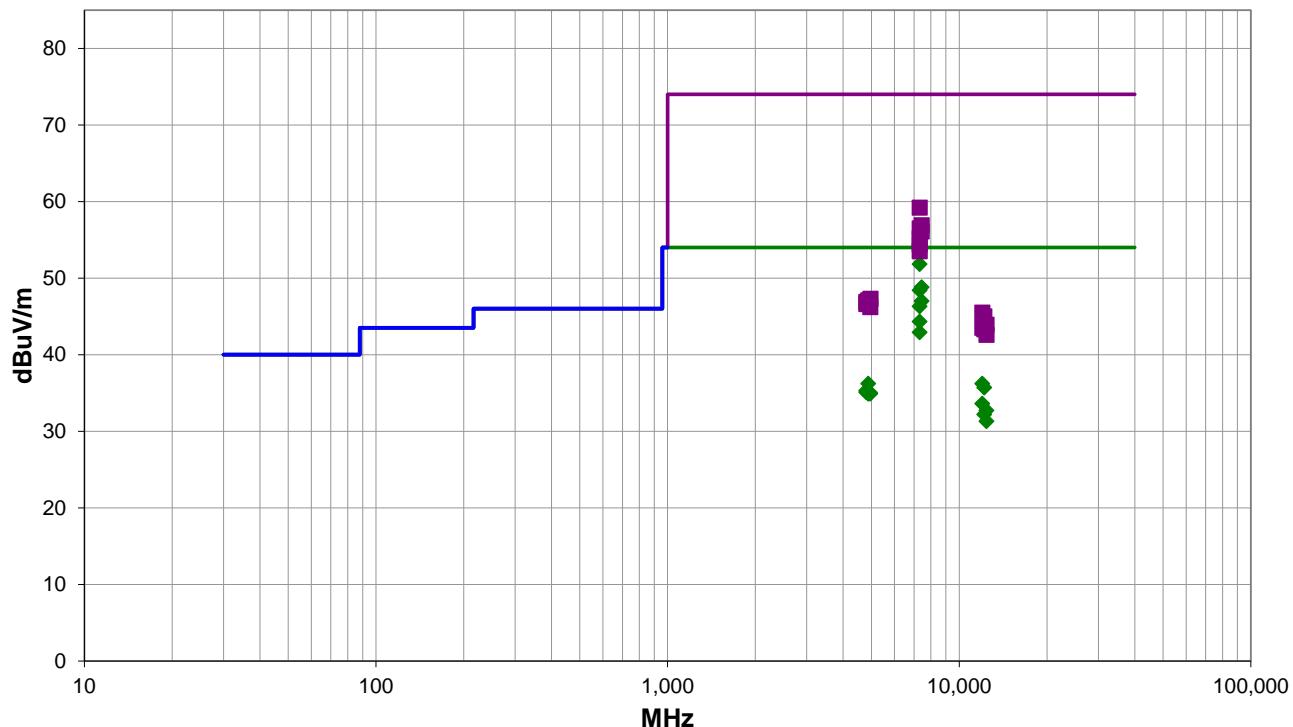
None

EUT OPERATING MODES

BLE, Low Channel = 2402 MHz, Mid Channel = 2440 MHz, High Channel = 2480 MHz, 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



Run #: 28

PK AV QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #28

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7319.558	38.5	13.3	1.0	263.0	0.0	0.0	Vert	AV	0.0	51.8	54.0	-2.2	High Ch, EUT on Side
7440.733	35.4	13.4	2.2	126.0	0.0	0.0	Horz	AV	0.0	48.8	54.0	-5.2	High Ch, EUT on Side
7319.600	35.1	13.3	1.9	254.0	0.0	0.0	Vert	AV	0.0	48.4	54.0	-5.6	Mid Ch, EUT on Side
7440.767	33.6	13.4	2.0	262.0	0.0	0.0	Vert	AV	0.0	47.0	54.0	-7.0	High Ch, EUT on Side
7319.575	33.0	13.3	1.0	253.0	0.0	0.0	Vert	AV	0.0	46.3	54.0	-7.7	Mid Ch, EUT on Side
7319.575	31.0	13.3	1.5	202.0	0.0	0.0	Horz	AV	0.0	44.3	54.0	-9.7	Mid Ch, EUT on Side
7319.617	29.6	13.3	1.5	203.0	0.0	0.0	Horz	AV	0.0	42.9	54.0	-11.1	Mid Ch, EUT on Side
7319.667	45.9	13.3	1.0	263.0	0.0	0.0	Vert	PK	0.0	59.2	74.0	-14.8	High Ch, EUT on Side
7439.317	43.5	13.4	2.2	126.0	0.0	0.0	Horz	PK	0.0	56.9	74.0	-17.1	High Ch, EUT on Side
7319.475	43.2	13.3	1.9	254.0	0.0	0.0	Vert	PK	0.0	56.5	74.0	-17.5	Mid Ch, EUT on Side
12011.400	35.9	0.3	2.7	220.0	0.0	0.0	Horz	AV	0.0	36.2	54.0	-17.8	Low Ch, EUT on Side
4880.025	29.9	6.3	1.1	92.0	0.0	0.0	Horz	AV	0.0	36.2	54.0	-17.8	Mid Ch, EUT on Side
7440.992	42.7	13.4	2.0	262.0	0.0	0.0	Vert	PK	0.0	56.1	74.0	-17.9	High Ch, EUT on Side
12199.160	35.0	0.7	1.9	272.0	0.0	0.0	Horz	AV	0.0	35.7	54.0	-18.3	Mid Ch, EUT on Side
4804.083	29.0	6.3	1.5	104.0	0.0	0.0	Vert	AV	0.0	35.3	54.0	-18.7	Low Ch, EUT On Side
7319.767	41.9	13.3	1.0	253.0	0.0	0.0	Vert	PK	0.0	55.2	74.0	-18.8	Mid Ch, EUT on Side
4801.517	28.8	6.3	3.5	270.0	0.0	0.0	Horz	AV	0.0	35.1	54.0	-18.9	Low Ch, EUT On Side
4959.925	28.6	6.4	1.5	183.0	0.0	0.0	Vert	AV	0.0	35.0	54.0	-19.0	High Ch, EUT on Side
4880.025	28.6	6.3	1.5	321.0	0.0	0.0	Vert	AV	0.0	34.9	54.0	-19.1	Mid Ch, EUT on Side
4957.842	28.5	6.4	1.5	27.0	0.0	0.0	Horz	AV	0.0	34.9	54.0	-19.1	High Ch, EUT on Side
7320.775	41.1	13.3	1.5	202.0	0.0	0.0	Horz	PK	0.0	54.4	74.0	-19.6	Mid Ch, EUT on Side
12011.380	33.3	0.3	1.0	4.0	0.0	0.0	Vert	AV	0.0	33.6	54.0	-20.4	Low Ch, EUT on Side
7319.517	40.2	13.3	1.5	203.0	0.0	0.0	Horz	PK	0.0	53.5	74.0	-20.5	Mid Ch, EUT on Side
12399.140	31.7	1.0	1.5	194.0	0.0	0.0	Vert	AV	0.0	32.7	54.0	-21.3	High Ch, EUT on Side
12199.090	31.5	0.7	1.5	87.0	0.0	0.0	Vert	AV	0.0	32.2	54.0	-21.8	Mid Ch, EUT on Side
12399.150	30.3	1.0	1.0	113.0	0.0	0.0	Horz	AV	0.0	31.3	54.0	-22.7	High Ch, EUT on Side
4961.825	40.9	6.4	1.5	27.0	0.0	0.0	Horz	PK	0.0	47.3	74.0	-26.7	High Ch, EUT on Side
4879.792	40.8	6.3	1.1	92.0	0.0	0.0	Horz	PK	0.0	47.1	74.0	-26.9	Mid Ch, EUT on Side
4804.475	40.6	6.3	3.5	270.0	0.0	0.0	Horz	PK	0.0	46.9	74.0	-27.1	Low Ch, EUT On Side
4803.058	40.3	6.3	1.5	104.0	0.0	0.0	Vert	PK	0.0	46.6	74.0	-27.4	Low Ch, EUT On Side
4878.617	40.3	6.3	1.5	321.0	0.0	0.0	Vert	PK	0.0	46.6	74.0	-27.4	Mid Ch, EUT on Side
4958.183	39.8	6.4	1.5	183.0	0.0	0.0	Vert	PK	0.0	46.2	74.0	-27.8	High Ch, EUT on Side
12008.880	45.2	0.3	2.7	220.0	0.0	0.0	Horz	PK	0.0	45.5	74.0	-28.5	Low Ch, EUT on Side
12201.390	44.3	0.7	1.9	272.0	0.0	0.0	Horz	PK	0.0	45.0	74.0	-29.0	Mid Ch, EUT on Side
12399.330	42.9	1.0	1.5	194.0	0.0	0.0	Vert	PK	0.0	43.9	74.0	-30.1	High Ch, EUT on Side
12011.330	43.2	0.3	1.0	4.0	0.0	0.0	Vert	PK	0.0	43.5	74.0	-30.5	Low Ch, EUT on Side
12198.510	42.6	0.7	1.5	87.0	0.0	0.0	Vert	PK	0.0	43.3	74.0	-30.7	Mid Ch, EUT on Side
12398.690	41.6	1.0	1.0	113.0	0.0	0.0	Horz	PK	0.0	42.6	74.0	-31.4	High Ch, EUT on Side

SPURIOUS RADIATED EMISSIONS



CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS

EUT:	DAIC-MCB-XN	Work Order:	DTAI0006
Serial Number:	250520-D0A1DE7162A5	Date:	2025-07-31
Customer:	Dot Ai Corporation	Temperature:	22.5°C
Attendees:	None	Relative Humidity:	49.9%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Christopher Pinkham and Jeff Alcock	Job Site:	EV01
Power:	Battery	Configuration:	DTAI0006-3

TEST PARAMETERS

Run #:	142	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

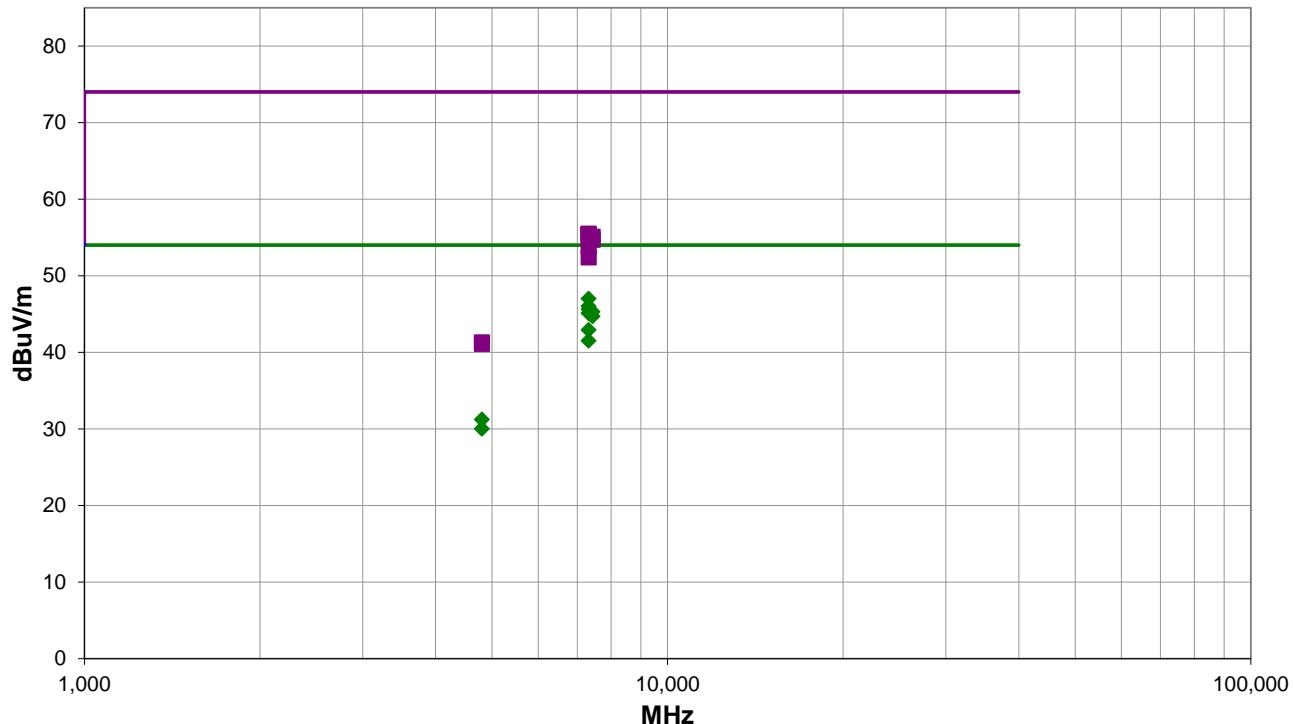
Partial testing was performed on this model variant. The investigation was limited to the frequency range (1 – 18 GHz) which has the least amount of margin as determined from full frequency range testing of the DAIC-ACB-XN.

EUT OPERATING MODES

BLE, Low Channel = 2402 MHz, Mid Channel = 2440 MHz, High Channel = 2480 MHz, 1 Mbps

DEVIATIONS FROM TEST STANDARD

None



Run #: 142

PK AV QP

SPURIOUS RADIATED EMISSIONS



RESULTS - Run #142

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7320.750	33.7	13.3	1.8	179.0	3.0	0.0	Vert	AV	0.0	47.0	54.0	-7.0	Mid Ch, EUT Vert
7319.700	32.7	13.3	1.0	216.0	3.0	0.0	Horz	AV	0.0	46.0	54.0	-8.0	Mid Ch, EUT on Side
7320.692	32.3	13.3	1.0	343.0	3.0	0.0	Vert	AV	0.0	45.6	54.0	-8.4	Mid Ch, EUT on Side
7440.850	31.9	13.4	1.0	7.0	3.0	0.0	Horz	AV	0.0	45.3	54.0	-8.7	High Ch, EUT On Side
7320.792	31.8	13.3	2.4	356.0	3.0	0.0	Vert	AV	0.0	45.1	54.0	-8.9	Mid Ch, EUT Horz
7440.867	31.3	13.4	1.0	307.0	3.0	0.0	Vert	AV	0.0	44.7	54.0	-9.3	High Ch, EUT Vert
7319.700	29.6	13.3	1.5	99.0	3.0	0.0	Horz	AV	0.0	42.9	54.0	-11.1	Mid Ch, EUT Vert
7319.608	28.2	13.3	1.5	87.0	3.0	0.0	Horz	AV	0.0	41.5	54.0	-12.5	Mid Ch, EUT Horz
7319.475	42.2	13.3	1.0	347.0	3.0	0.0	Vert	PK	0.0	55.5	74.0	-18.5	Mid Ch, EUT on Side
7321.292	42.1	13.3	1.5	344.0	3.0	0.0	Horz	PK	0.0	55.4	74.0	-18.6	Mid Ch, EUT on Side
7319.792	42.1	13.3	1.8	179.0	3.0	0.0	Vert	PK	0.0	55.4	74.0	-18.6	Mid Ch, EUT Vert
7321.250	41.8	13.3	2.4	356.0	3.0	0.0	Vert	PK	0.0	55.1	74.0	-18.9	Mid Ch, EUT Horz
7439.508	41.7	13.4	1.0	7.0	3.0	0.0	Horz	PK	0.0	55.1	74.0	-18.9	High Ch, EUT On Side
7439.458	41.3	13.4	1.0	307.0	3.0	0.0	Vert	PK	0.0	54.7	74.0	-19.3	High Ch, EUT Vert
7319.617	40.4	13.3	1.5	99.0	3.0	0.0	Horz	PK	0.0	53.7	74.0	-20.3	Mid Ch, EUT Vert
7319.700	39.1	13.3	1.5	87.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	Mid Ch, EUT Horz
4803.983	31.2	0.0	1.9	310.0	3.0	0.0	Horz	AV	0.0	31.2	54.0	-22.8	Low Ch, On Side
4804.108	30.0	0.0	1.5	303.0	3.0	0.0	Vert	AV	0.0	30.0	54.0	-24.0	Low Ch, Vert
4803.883	41.3	0.0	1.9	310.0	3.0	0.0	Horz	PK	0.0	41.3	74.0	-32.7	Low Ch, On Side
4803.900	41.1	0.0	1.5	303.0	3.0	0.0	Vert	PK	0.0	41.1	74.0	-32.9	Low Ch, Vert

CONCLUSION

Pass

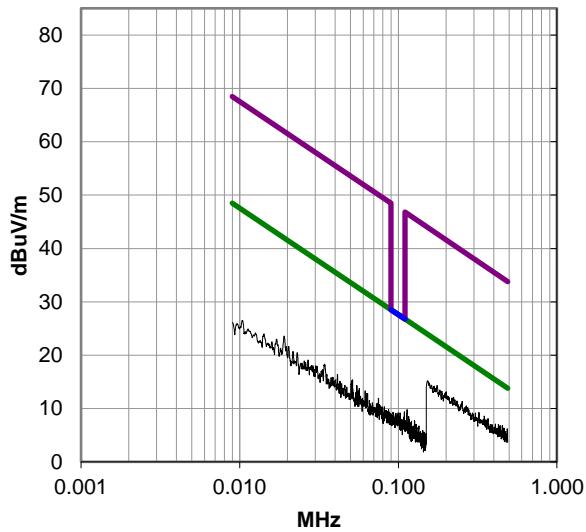
Tested By

SPURIOUS RADIATED EMISSIONS

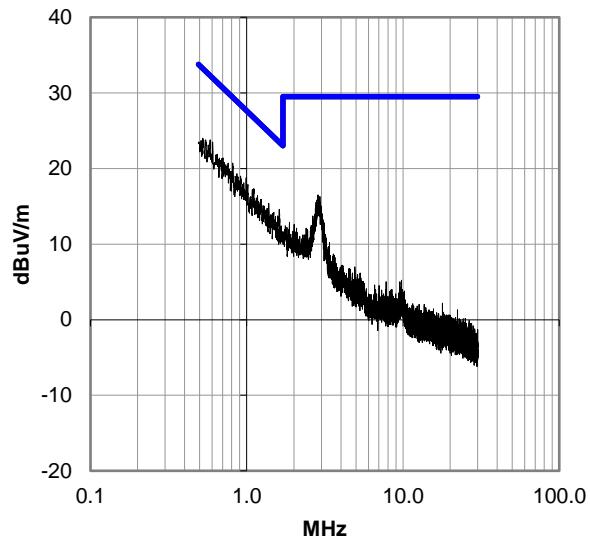
PRESCAN DATA: DTAI0006-1

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

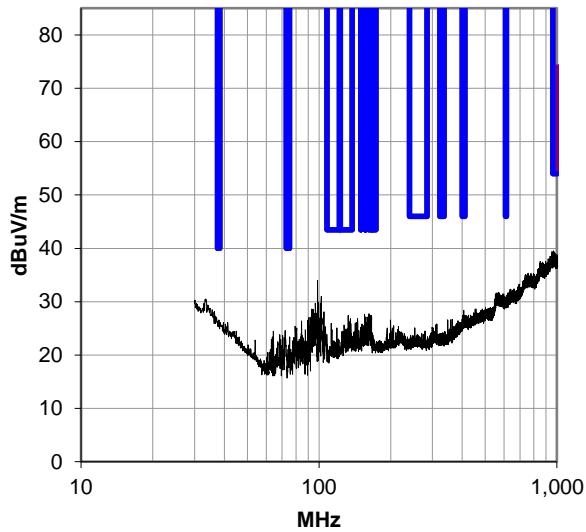
0.009-0.49 MHz, Run 126



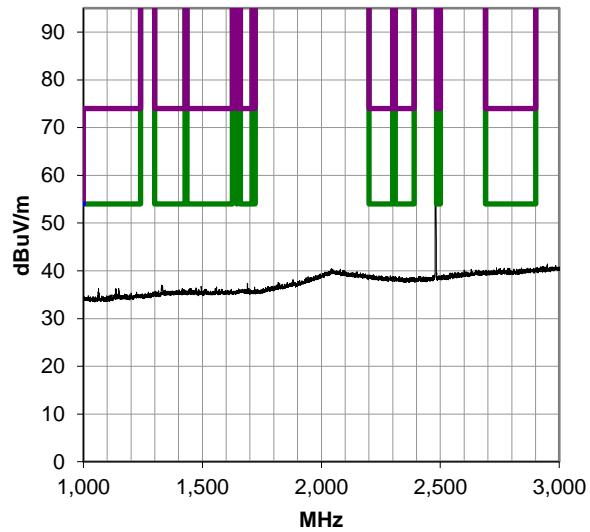
0.49-30 MHz, Run 127



30-1000 MHz, Run 115

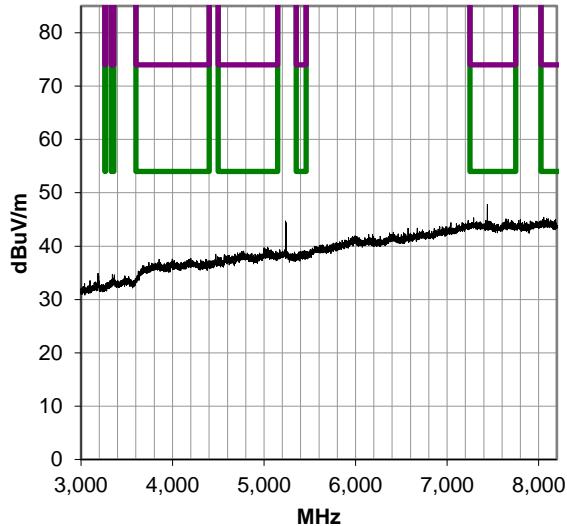


1000-3000 MHz, Run 45

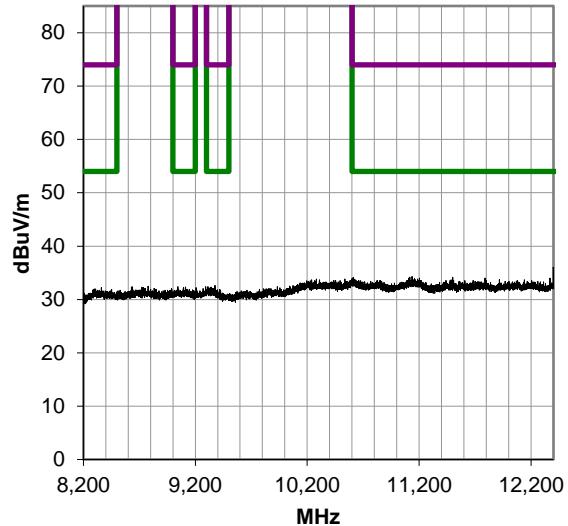


SPURIOUS RADIATED EMISSIONS

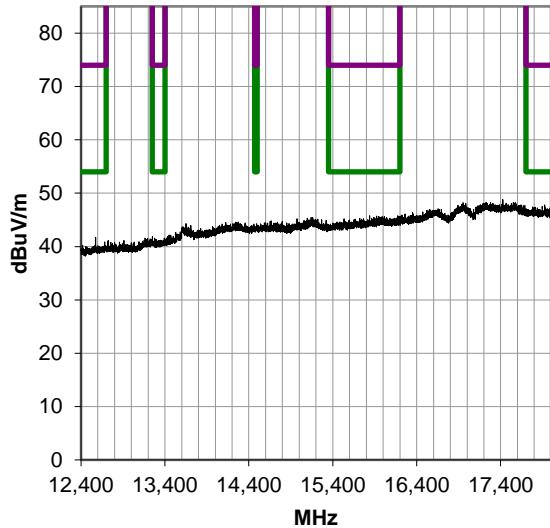
3000-8200 MHz, Run 46



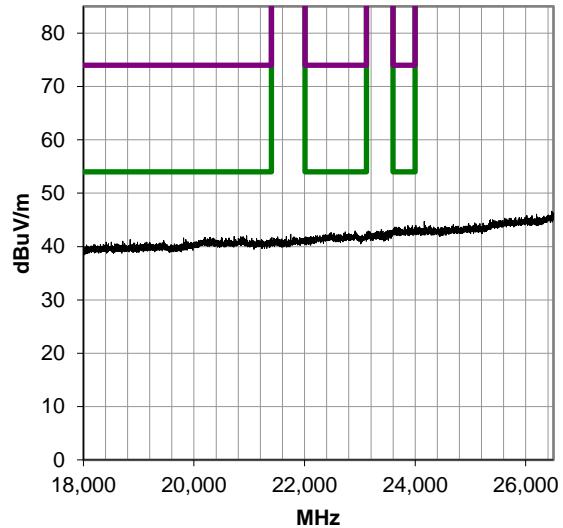
8200-12400 MHz, Run 47



12400-18000 MHz, Run 48



18000-26500 MHz, Run 88

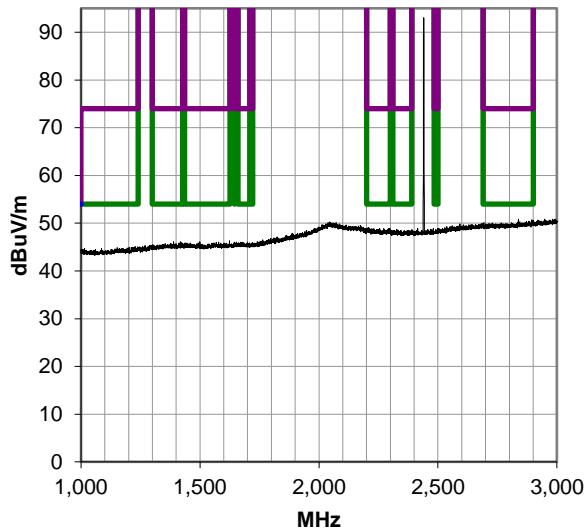


SPURIOUS RADIATED EMISSIONS

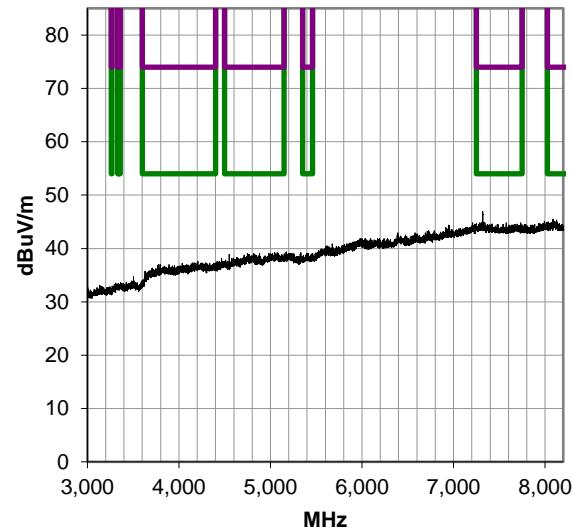
PRESCAN DATA: DTAI0006-3

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.

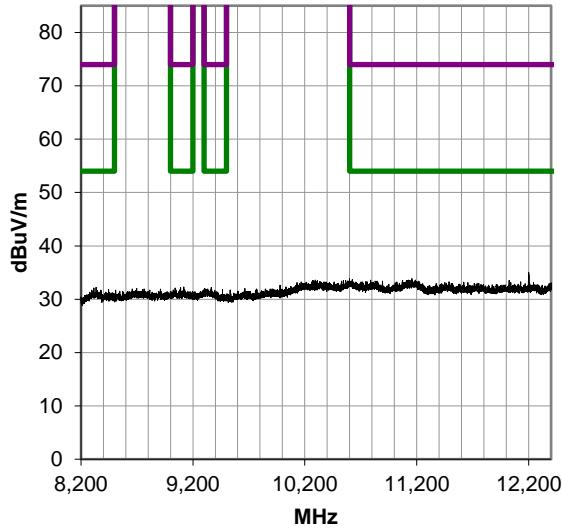
1000-3000 MHz, Run 135



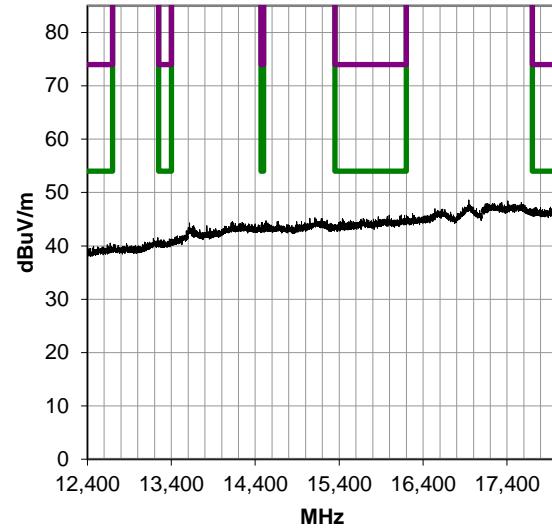
3000-8200 MHz, Run 136



8200-12400 MHz, Run 137



12400-18000 MHz, Run 138



End of Test Report