

FCC Test Report

Equipment

: BL600 Series Bluetooth Low Energy Module

Brand Name

: Laird Technologies

Model No.

: BL600-SA, BL600-SC

FCC ID

: PI4BL600

Standard

: 47 CFR FCC Part 15.247

Operating Band

: 2400 MHz - 2483.5 MHz

FCC Classification: DTS

Applicant

: EZURIO Ltd.

(- a business unit of Laird Technologies) Saturn House, Mercury Park, Wooburn Green,

Bucks, HP10 0HH, UK

Manufacturer

: Laird Technolgies

11160 Thompson Ave., Lenexa, Kansas, 66219, USA

The product sample received on Feb. 27, 2013 and completely tested on Mar. 13, 2013. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2009 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Wayne Hsu / Assistant Manager

1190

Report No.: FR331335

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Report Version

: Rev. 01



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Summary of Test Result

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		Confo	rmance Test Specifications		
Report Clause	Ref. Std. Clause	Description	Measured	Limit	Result
1.1.2	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]:16.400MHz 34.24 (Margin 15.76dB) - AV 39.76 (Margin 20.24dB) - QP	FCC 15.207	Complied
3.2	15.247(a)	6dB Bandwidth	LE:526.09 kHz	≥500kHz	Complied
3.3	15.247(b)	RF Output Power (Maximum Peak Conducted Output Power)	Power [dBm] LE:3.84	Power [dBm]: 30	Complied
3.4	15.247(d)	Power Spectral Density	PSD [dBm/3kHz] LE: -11.46	PSD [dBm/3kHz]: 8	Complied
3.5	15.247(c)	Transmitter Radiated Bandedge Emissions	Restricted Bands [dBuV/m at 3m]:2483.51MHz 66.42 (Margin 7.58dB) - PK 37.58 (Margin 16.42dB) - AV	Non-Restricted Bands: > 20 dBc Restricted Bands: FCC 15.209	Complied
3.6	15.247(c)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]:76.56MHz 38.23 (Margin 1.77dB) – PK	Non-Restricted Bands: > 20 dBc Restricted Bands: FCC 15.209	Complied

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Revision History

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Report No.	Version	Description	Issued Date
FR331335	Rev. 01	Initial issue of report	Mar. 19, 2013

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1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information						
Frequency Range (MHz) Bluetooth Ch. Frequency Channel RF Output Power (dBm) Co-location						
2400-2483.5	v4.0 LE	2402-2480	0-39 [40]	3.84	N/A	

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- Note 1: Bluetooth LE (Low Energy) using GFSK modulation for DTS digital modulation.
- Note 2: RF output power specifies that Maximum Peak Conducted Output Power.
- Note 3: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.)

1.1.2 Antenna Information

	Antenna Category							
\boxtimes	Integral antenna (antenna permanently attached)							
	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.							
\boxtimes	External antenna (dedicated antennas)							
	□ RF connector provided							
		Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type)						
		Standard antenna connector. (e.g., SMA, N, BNC, and TNC type)						

	Antenna General Information							
No.	EUT Model	Ant. Cat.	Ant. Type	Ant. Brand/Model	Ant. Connector	Gain (dBi)		
1	BL600-SA	Integral	Chip	ACX AT5020-E3R0HBANT/LF	N/A	0		
2	DI 000 00		PCB Dipole	MAG. LAYERS SCIENTIFIC-TECHNICS CO., LTD PCA-4606-2G4C1-A33-CY	IPEX 4 Compatible	2.21		
3	BL600-SC	External	Dipole	MAG. LAYERS SCIENTIFIC-TECHNICS CO., LTD EDA-8709-2G4C1-B27-CY	IPEX Compatible (MHF4)	2		

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1.1.3 Type of EUT

	Identify EUT					
EU	T Serial Number	N/A				
Pre	sentation of Equipment	☐ Production ; ⊠ Pr	e-Production; Prototy	ре		
	Type of EUT					
	☐ Stand-alone					
	Combined (EUT where	the radio part is fully integ	grated within another device	e)		
	Combined Equipment -	Brand Name / Model No.	:			
\boxtimes	Plug-in radio (EUT inter	ded for a variety of host	systems)			
	Host System - Brand Na	ame / Model No.:				
	Other:					
1.1	.4 Test Signal Dut	-	r Worst Duty Cycle			
	Operated normally mod	•	- 110101 2 m. y 0 y 010			
\boxtimes	Operated test mode for	worst duty cycle				
	Test Signal Duty Cycle (x) Power Duty Factor [dB] – (10 log 1/x)					
			[ab] - (10 10g 1/x)		
\boxtimes	97.07% - test mode sing	gle channel - LE).13		
1.1						
1.1				0.13		

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1.2 Support Equipment

Support Equipment						
No.	No. Equipment Brand Name Model Name Serial No.					
1	Notebook	DELL	Latitude E5420	-		

1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2009
- FCC KDB 558074
- FCC KDB 412172

1.4 Testing Location Information

	Testing Location						
\boxtimes	HWA YA ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C						
	TEL: 886-3-327-3456 FAX: 886-3-327-0973						
Test Condition Test Site No. Test Engineer			Test Environment	Test Date			
F	RF Conducte	ed		TH01-HY	lan Du	24°C / 63%	Mar. 08, 2013
AC Conduction CO04-HY Bill Hsiao 20°C / 53%		20°C / 53%	Mar. 13, 2013				
Rad	Radiated Emission 03CH05-HY Daniel Hsu 25°C / 65% Feb. 27 ~ Mar. 11, 2				Feb. 27 ~ Mar. 11, 2013		
	Test site registered number [643075] with FCC. Test site registered number [4086B-1] with IC.						

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1.5 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

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	Measurement Uncertainty	1	
Test Item	Uncertainty	Limit	
AC power-line conducted emissions		±2.26 dB	N/A
Emission bandwidth, 6dB bandwidth		±1.42 %	N/A
RF output power, conducted		±0.63 dB	N/A
Power density, conducted		±0.81 dB	N/A
Unwanted emissions, conducted	30 – 1000 MHz	±0.51 dB	N/A
	1 – 18 GHz	±0.67 dB	N/A
	18 – 40 GHz	±0.83 dB	N/A
	40 – 200 GHz	N/A	N/A
All emissions, radiated	30 – 1000 MHz	±2.56 dB	N/A
	1 – 18 GHz	±3.59 dB	N/A
	18 – 40 GHz	±3.82 dB	N/A
	40 – 200 GHz	N/A	N/A
Temperature	<u> </u>	±0.8 °C	N/A
Humidity		±3 %	N/A
DC and low frequency voltages		±3 %	N/A
Time		±1.42 %	N/A
Duty Cycle		±1.42 %	N/A

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2 Test Configuration of EUT

2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing					
Bluetooth Version Transmit Chains Data Rate Modulation Mode RF Output Pow (dBm)					
v4.0 LE	1	1 Mbps	LE-1Mbps	3.84	

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Note 1: Bluetooth LE (Low Energy) using GFSK modulation for DTS digital modulation.

Note 2: Modulation modes consist below configuration:

DSSS LE-1Mbps: GFSK (1Mbps)

Note 3: RF output power specifies that Maximum Peak Conducted Output Power.

2.2 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration		
Bluetooth Mode	Test Channel Frequencies (MHz)	
LE	2402-(F1), 2440-(F2), 2480-(F3)	

2.3 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter						
Test Software Version UwTerminal v6.3						
Modulation Mode 2402 MHz 2440 MHz 2480 MHz						
LE,1Mbps	0	0	0			

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2.4 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests				
Tests Item	AC power-line conducted emissions			
Condition AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz				
Operating Mode				
1 EUT Model BL600-SA_Chip AntUSB Power & Radio link (BT)				
2	EUT Model BL600-SC_PCB Dipole AntUSB Power & Radio link (BT)			
3	EUT Model BL600-SC_Dipole Ant_USB Power & Radio link (BT)			

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The Worst Case Mode for Following Conformance Tests			
Tests Item RF Output Power, Power Spectral Density, 6 dB Bandwidth			
Test Condition Conducted measurement at transmit chains			
Modulation Mode LE-1Mbps			
Operating Mode			
1	EUT Model BL600-SA		
2	EUT Model BL600-SC		

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The Worst Case Mode for Following Conformance Tests					
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions				
Test Condition	Radiated measurement				
	☐ EUT will be placed in fixed position.				
	EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is X.				
User Position	EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes. The worst plane is X for model BL600-SA and Z for model BL600-SC.				
Pretesting Mode < 1GHz					
	USB Power & Radio link (BT), DC 1.8V				
	X Plane Y Plane Z Plane				
Orthogonal Planes of EUT					
Pretesting mode 1 is the worst case and it was record in this test report.					
Modulation Mode	LE-1Mbps				
Operating Mode	Operating Mode Description				
1	EUT Model BL600-SA_Chip AntUSB Power & Radio link (BT)				
2	EUT Model BL600-SC_PC	B Dipole AntUSB Power &	& Radio link (BT)		
3	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)		

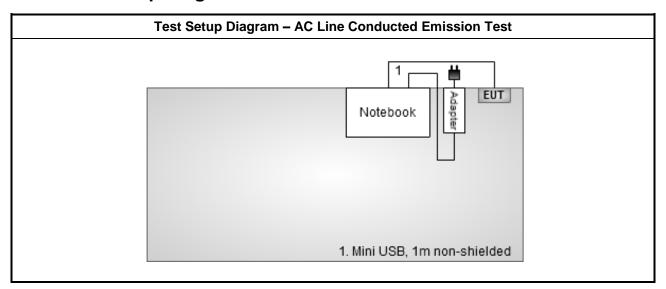
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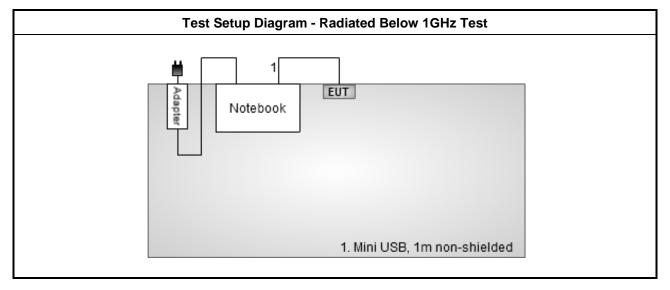
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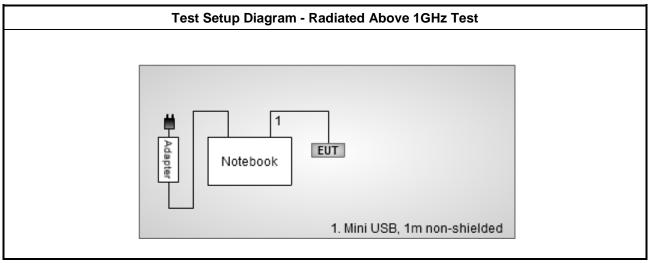


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2.5 **Test Setup Diagram**







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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC POW	er-line Conducted Emissions L	IIIIIT			
Frequency Emission (MHz) Quasi-Peak Average					
0.15-0.5 66 - 56 * 56 - 46 *					
0.5-5 56 46					
5-30 60 50					

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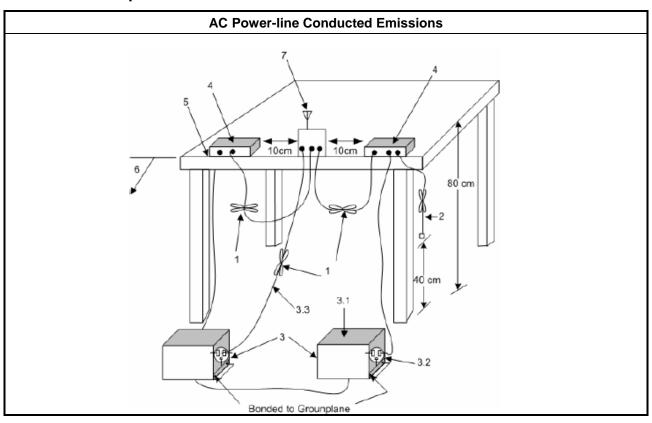
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

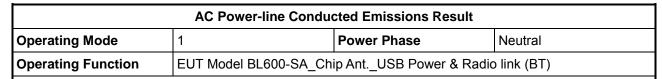
Test Method	
Refer as ANSI C63.10-2009, clause 6.2 for AC power-line conducted emissions.	

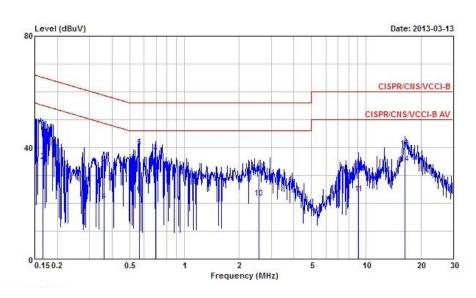
3.1.4 Test Setup



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3.1.5 Test Result of AC Power-line Conducted Emissions



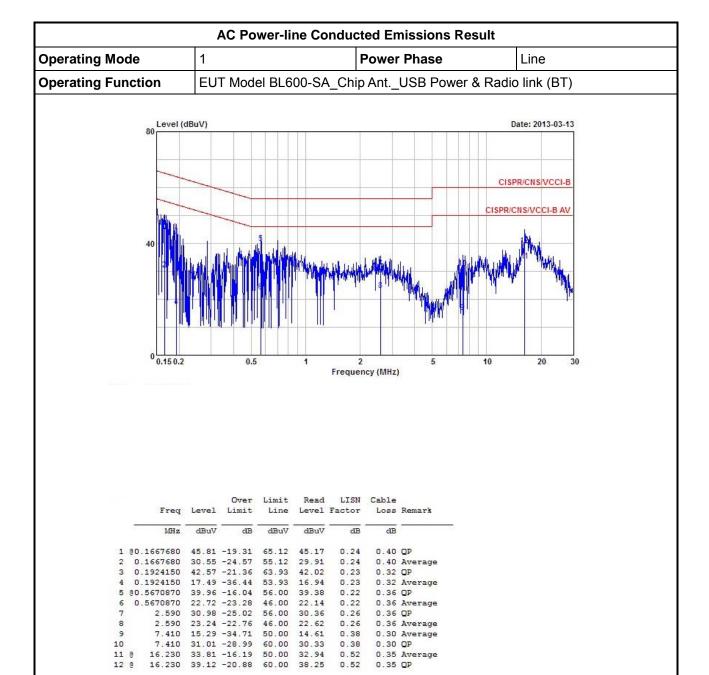


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1658860	47.00	-18.16	65.16	46.48	0.11	0.41	QP
2	@0.1658860	34.94	-20.22	55.16	34.42	0.11	0.41	Average
3	0.3595520	32.50	-26.24	58.74	32.02	0.10	0.38	QP
4	0.3595520	20.86	-27.88	48.74	20.38	0.10	0.38	Average
5	@0.5640910	39.90	-16.10	56.00	39.44	0.10	0.36	QP
6	0.5640910	23.30	-22.70	46.00	22.84	0.10	0.36	Average
7	@0.6935680	36.89	-19.11	56.00	36.44	0.11	0.34	QP
8	@0.6935680	28.07	-17.93	46.00	27.62	0.11	0.34	Average
9	2.570	30.44	-25.56	56.00	29.94	0.14	0.36	QP
10	2.570	21.78	-24.22	46.00	21.28	0.14	0.36	Average
11	9.110	23.50	-26.50	50.00	22.97	0.23	0.30	Average
12	9.110	32.19	-27.81	60.00	31.66	0.23	0.30	QP
13	ß 16.400	39.76	-20.24	60.00	39.13	0.29	0.34	OP
14	@ 16.400	34.24	-15.76	50.00	33.61	0.29	0.34	Average

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

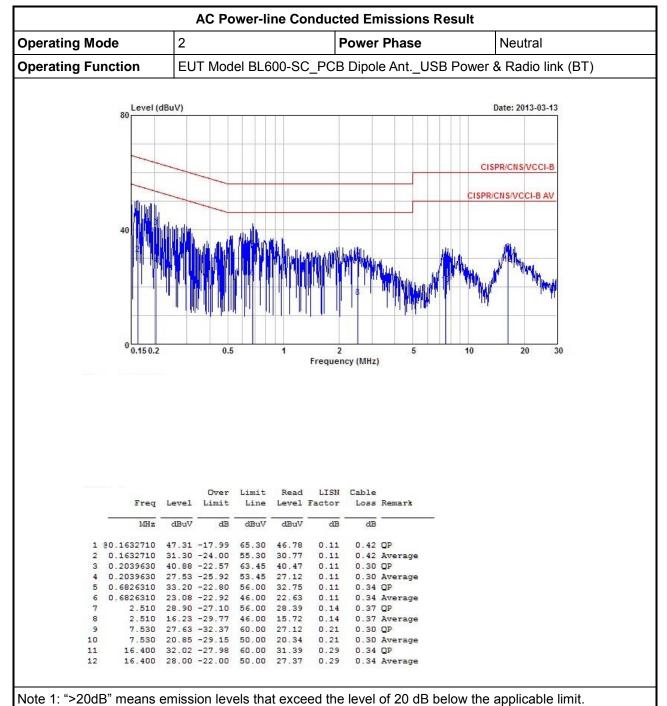
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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

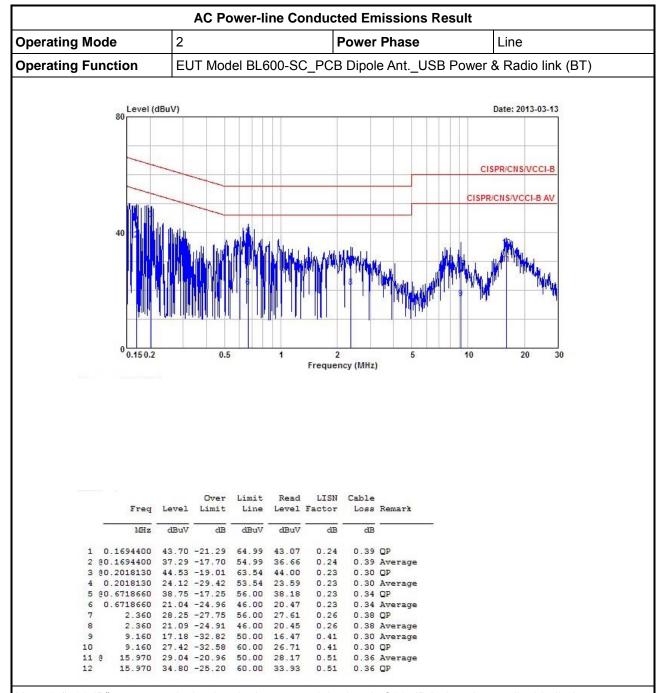
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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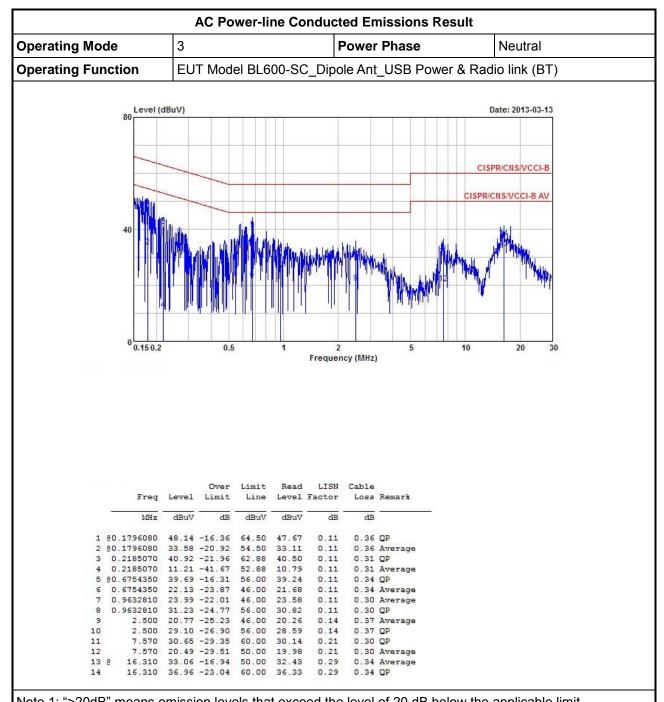
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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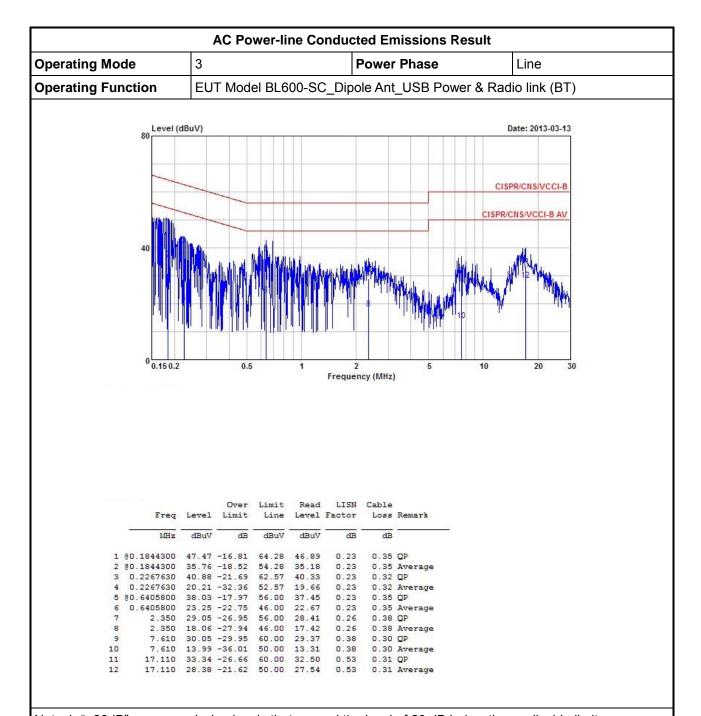
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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3.2 6dB Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit				
Systems using digital modulation techniques:				
6 dB bandwidth ≥ 500 kHz.				

3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

	Test Method					
\boxtimes	For	the emission bandwidth shall be measured using one of the options below:				
	\boxtimes	Refer as FCC KDB 558074, clause 7.1 Option 1 for 6 dB bandwidth measurement.				
		Refer as FCC KDB 558074, clause 7.2 Option 2 for 6 dB bandwidth measurement.				
		Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.				
\boxtimes	For	conducted measurement.				
	\boxtimes	The EUT supports single transmit chain and measurements performed on this transmit chain.				
	\boxtimes	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.				

3.2.4 Test Setup

Emission Bandwidth EUT Spectrum Analyzer				
	Emission Bandwidth			

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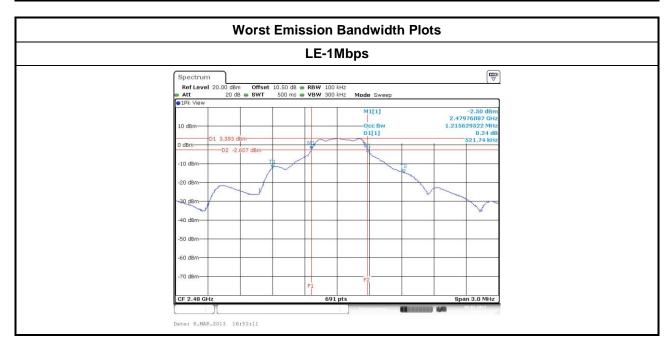


3.2.5 Test Result of Emission Bandwidth

Operating Mode 1

Emission Bandwidth Result					
Modulation Mode Freq. (MHz) 99% Bandwidth (kHz) 6dB Bandwidth (kHz					
LE-1Mbps	2402	963.82	521.74		
LE-1Mbps 2440		1002.89	521.74		
LE-1Mbps	2480	1215.63	521.74		
Lir	nit	N/A	≥500 kHz		
Res	sult	Com	plied		

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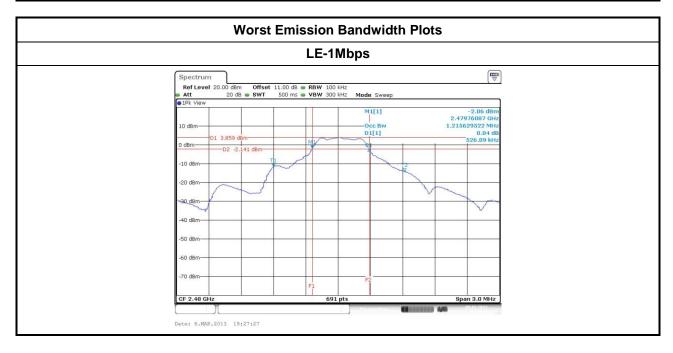


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Operating Mode 2

Emission Bandwidth Result					
Modulation Mode Freq. (MHz) 99% Bandwidth (kHz) 6dB Band					
LE-1Mbps	2402	981.19	521.74		
LE-1Mbps 2440		1011.58	521.74		
LE-1Mbps	2480	1215.63	526.09		
Lin	nit	N/A	≥500 kHz		
Result		Com	plied		

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3.3 RF Output Power

3.3.1 RF Output Power Limit

	RF Output Power Limit for Digital Modulation Systems								
Max	kimum Peak Conducted Output Power or Maximum Conducted Output Power Limit								
\boxtimes	2400-2483.5 MHz Band:								
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm								
e.i.r	p. Power Limit:								
\boxtimes	2400-2483.5 MHz Band								
	Point-to-multipoint systems (P2M): P _{eirp} ≤ 36 dBm (4 W)								
G_{TX}	= maximum peak conducted output power or maximum conducted output power in dBm, = the maximum transmitting antenna directional gain in dBi. _ = e.i.r.p. Power in dBm.								

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3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

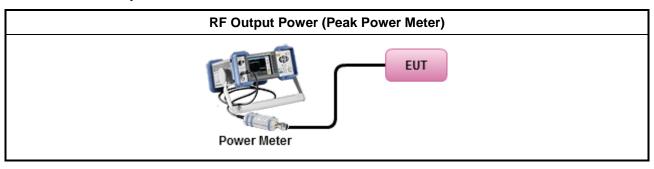
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3.3.3 Test Procedures

	Test Method
\boxtimes	Maximum Peak Conducted Output Power
	Refer as ANSI C63.10, clause 6.10.2.1 a) for peak power meter.
	Refer as ANSI C63.10, clause 6.10.2.1 a) for spectrum analyzer - (RBW ≥ EBW).
\boxtimes	Refer as FCC KDB 558074, clause 2 for conducted measurement.
	☐ The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐ The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

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3.3.4 Test Setup



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3.3.5 Test Result of Maximum Peak Conducted Output Power

Operating Mode 1

Maximum Peak Conducted Output Power Result									
Condition			RF Output Power (dBm)						
Modulation Mode Fre		' Power Limit		Antenna Gain (dBi)	EIRP Power	EIRP Limit			
LE-1Mbps	2402	3.51	30	0	3.51	36			
LE-1Mbps	2440	3.69	30	0	3.69	36			
LE-1Mbps	2480	3.64	30	0	3.64	36			
Result		Complied							

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Operating Mode 2

Maximum Peak Conducted Output Power Result								
Condition		RF Output Power (dBm)						
Modulation Mode Fred (MHz		RF Output Power	Power Limit	Antenna Gain (dBi)	EIRP Power	EIRP Limit		
LE-1Mbps	2402	3.65	30	2.21	5.86	36		
LE-1Mbps	2440	3.84	30	2.21	6.05	36		
LE-1Mbps	2480	3.79	30	2.21	6.00	36		
Result	Complied							

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3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

	Power Spectral Density Limit
\boxtimes	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

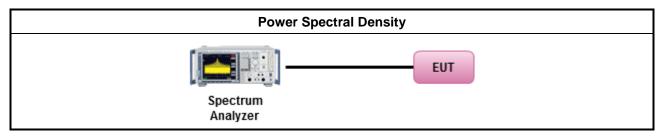
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

		Test Method
\boxtimes	pow prod whe dem	ver spectral density procedures that the same method as used to determine the conducted output er shall be used to determine the power spectral density. In addition, the use of a peak PSD cedure will always result in a "worst-case" measured level for comparison to the limit. Therefore, never the DTS bandwidth exceeds 500 kHz, it is acceptable to utilize the peak PSD procedure to constrate compliance to the PSD limit, regardless of how the fundamental output power was assured. For the power spectral density shall be measured using below options:
	\boxtimes	Refer as FCC KDB 558074, clause 9.1 Option 1 - (RBW≥3kHz; sweep=auto, detector=peak).
		Refer as FCC KDB 558074, clause 9.2 Option 2 - (RBW≥3kHz; sweep=auto, average=100).
		Refer as FCC KDB 558074, clause 9.3 Option 3 - (RBW≥3kHz; slow sweep speed).
		Refer as FCC KDB 558074, clause 9.4 Alternative 1 (average PSD; Add 10log (1/duty cycle).
		RBW>3kHz, add the bandwidth correction factor (BWCF) adjusting in PSD per 3kHz.
\boxtimes	Refe	er as FCC KDB 558074, clause 2 for conducted measurement.
	\boxtimes	The EUT supports single transmit chain and measurements performed on this transmit chain.
		The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

3.4.4 Test Setup



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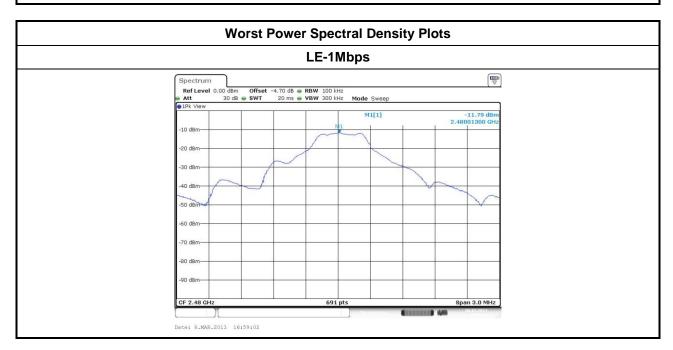


3.4.5 Test Result of Power Spectral Density

Operating Mode 1

Power Spectral Density Result (dBm/3kHz)								
Modulation Mode	Freq. (MHz)	PSD	PSD Limit					
LE-1Mbps	2402	-12.17	8					
LE-1Mbps	2440	-11.94	8					
LE-1Mbps	2480	-11.79	8					
Result Complied								
ote 1: PSD [dBm/3kHz] = PSD [dBm/100kHz] + BWFC [-15.2 dB]								

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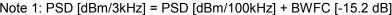
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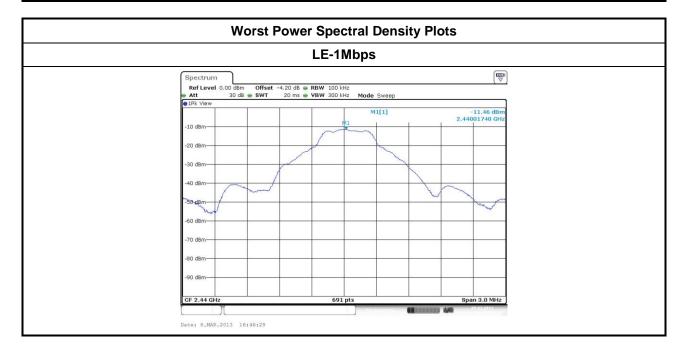


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Operating Mode 2

Power Spectral Density Result (dBm/3kHz)								
Modulation Mode Freq. (MHz) PSD PSD Limit								
LE-1Mbps	2402	-11.71	8					
LE-1Mbps	2440	-11.46	8					
LE-1Mbps	2480	-11.46	8					
Resu	ılt	Cor	nplied					
Note 1: PSD [dBm/3kHz] = I	ote 1: PSD [dBm/3kHz] = PSD [dBm/100kHz] + BWFC [-15.2 dB]							



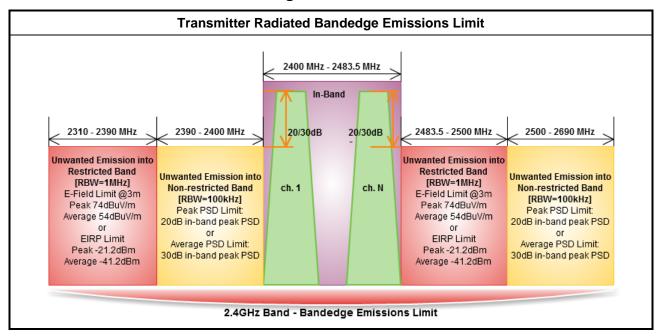


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3.5 Transmitter Radiated Bandedge Emissions

3.5.1 Transmitter Radiated Bandedge Emissions Limit



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3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

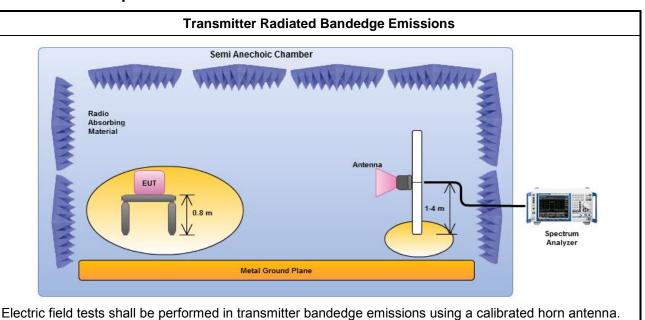
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3.5.3 Test Procedures

ı							
		Test Method – General Information					
\boxtimes	The	average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].					
\boxtimes	Refer as ANSI C63.10, clause 6.9.2.2 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.						
\boxtimes	For	the transmitter unwanted emissions shall be measured using following options below:					
		For unwanted emissions into non-restricted bands. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.					
	\boxtimes	For unwanted emissions into restricted bands.					
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.					
		Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.					
		Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.					
\boxtimes	For	the transmitter bandedge emissions shall be measured using following options below:					
	\boxtimes	Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.					
		Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.					
	\boxtimes	Refer as ANSI C63.10, clause 7.7.9 for band-edge testing into non-restricted bands.					
\boxtimes	For	radiated measurement, refer as FCC KDB 558074, clause 10.2.1.					
\boxtimes	For	conducted measurement, refer as FCC KDB 558074, clause 10.2.2.					

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3.5.4 Test Setup



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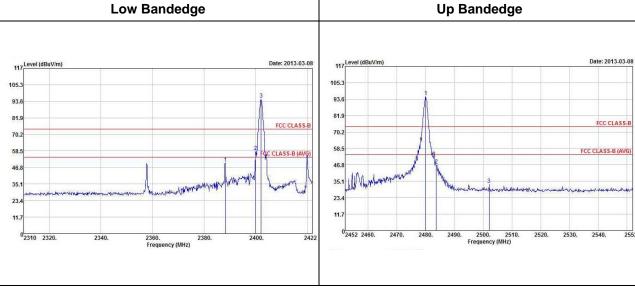


3.5.5 Test Result of Transmitter Radiated Bandedge Emissions

Operating Mode 1

Transmitter Radiated Bandedge Emissions Result										
Modulation	Modulation LE-1Mbps			Non-restricted Band Emissions						
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol.		
2390-2400	2402	95.17	2400.00	57.98	37.19	20	PK	Н		
2500-2690	2480	95.38	2502.00	32.87	62.51	20	PK	Н		

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Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical)

Transmitter Radiated Bandedge Emissions Result									
Modulation	LE-1M		Restricted Band Emissions						
Restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/1MHz)	RBE Freq. (MHz)	Measure Distance (m)	Out-Band Level (dBuV/m)	Limit (dBuV/m)	Level Type	Pol.	
2310-2390	2402	95.30	2388.29	3	56.66	74	PK	Н	
2310-2390	2402	93.81	2385.94	3	27.94	54	AV	Н	
2483.5-2500	2480	95.42	2483.50	3	60.29	74	PK	Н	
2483.5-2500	2480	94.04	2483.50	3	32.09	54	AV	Н	

Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical).

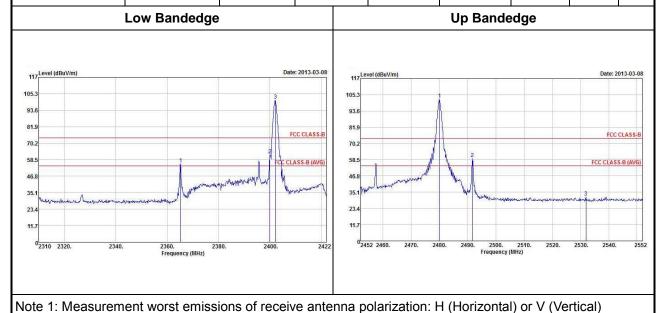
Note 2: Average emission setting: RBW=1MHz; VBW \geq 1/T, where T is "Pulse On Time", e.g., LE VBW \geq 1/625us, VBW=3kHz.

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Operating Mode 2

Transmitter Radiated Bandedge Emissions Result											
Modulation LE-1Mbps Non-restricted Band Emissions											
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol.			
2390-2400	2402	100.82	2400.00	61.92	38.90	20	PK	V			
2500-2690	2480	102.10	2531.90	31.71	70.39	20	PK	V			

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Transmitter Radiated Bandedge Emissions Result								
Modulation	LE-1M	bps	Restricted Band Emissions					
Restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/1MHz)	RBE Freq. (MHz)	Measure Distance (m)	Out-Band Level (dBuV/m)	Limit (dBuV/m)	Level Type	Pol.
2310-2390	2402	101.13	2365.33	3	62.74	74	PK	V
2310-2390	2402	99.71	2326.69	3	31.89	54	AV	V
2483.5-2500	2480	102.15	2483.50	3	66.42	74	PK	V
2483.5-2500	2480	100.78	2483.50	3	37.58	54	AV	V

Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical). Note 2: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE

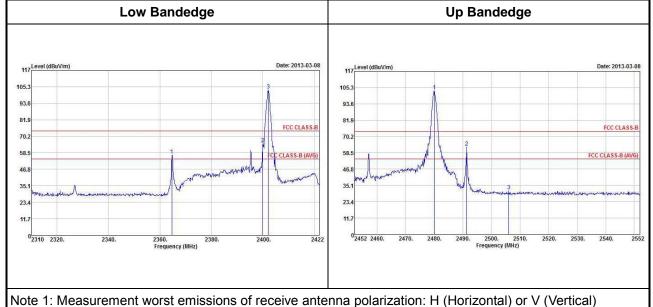
VBW≥1/625us, VBW=3kHz.

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Operating Mode 3

Transmitter Radiated Bandedge Emissions Result								
Modulation	LE-1Mbps Non-restricted Band Emissions							
Non-restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	NBE Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Level Type	Pol.
2390-2400	2402	102.89	2400.00	64.85	38.04	20	PK	V
2500-2690	2480	103.00	2506.10	31.15	71.85	20	PK	V



Transmitter Radiated Bandedge Emissions Result								
Modulation	LE-1M	1bps Restricted Band Emissions						
Restricted Band (MHz)	Test Ch. Freq. (MHz)	In-band PSD [i] (dBuV/1MHz)	RBE Freq. (MHz)	Measure Distance (m)	Out-Band Level (dBuV/m)	Limit (dBuV/m)	Level Type	Pol.
2310-2390	2402	102.92	2364.88	3	63.83	74	PK	V
2310-2390	2402	101.52	2326.69	3	32.67	54	AV	V
2483.5-2500	2480	103.03	2483.50	3	64.32	74	PK	V
2483.5-2500	2480	101.66	2483.50	3	37.87	54	AV	V

Note 1: Measurement worst emissions of receive antenna polarization: H (Horizontal) or V (Vertical). Note 2: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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3.6 Transmitter Radiated Unwanted Emissions

3.6.1 Transmitter Radiated Unwanted Emissions Limit

Restricted Band Emissions Limit						
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)			
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300			
0.490~1.705	24000/F(kHz)	33.8 - 23	30			
1.705~30.0	30	29	30			
30~88	100	40	3			
88~216	150	43.5	3			
216~960	200	46	3			
Above 960	500	54	3			

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Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Un-restricted Band Emissions Limit				
RF output power procedure	Limit (dB)			
Peak output power procedure	20			
Average output power procedure	30			

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

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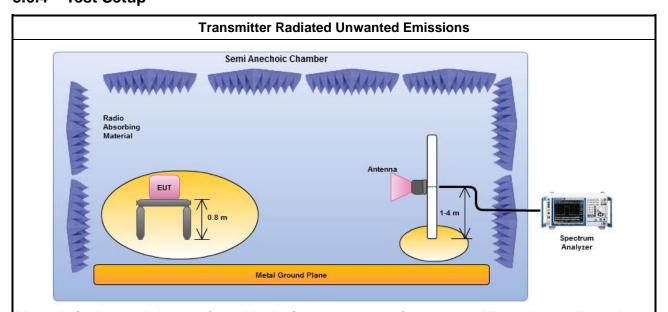
3.6.3 Test Procedures

Test Method – General Information Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit. Measurements in the frequency range above 18 GHz - 25GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit. The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. For the transmitter unwanted emissions shall be measured using following options below: For unwanted emissions into non-restricted bands. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. X For unwanted emissions into restricted bands. Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions. Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit. \boxtimes For radiated measurement. \boxtimes Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz. \boxtimes Refer as ANSI C63.10. clause 6.5 for radiated emissions from 30 MHz to 1000 MHz. \boxtimes Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.

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3.6.4 Test Setup



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Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.

3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

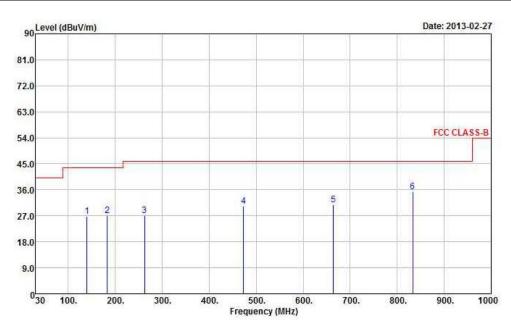
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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3.6.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)





Company of the Compan	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
(MHz	$\overline{d}\overline{B}\overline{u}\overline{V}/\overline{m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dBuV/m}$	-dBuV	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3 4 5	139.61 183.26 262.80 473.29 664.38	27.04 27.02 30.39	-16.56 -16.46 -18.98 -15.61	43.50 46.00 46.00	45.65 47.82 42.60 41.33	8.83 13.65 17.63	1.25 1.41 1.79 2.23 2.55	31.27 31.02 31.02 30.80 30.14	 		Peak Peak Peak Peak
6	833.16		-15.23 -10.54		38.12 39.13		2.90	29.73			Peak Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

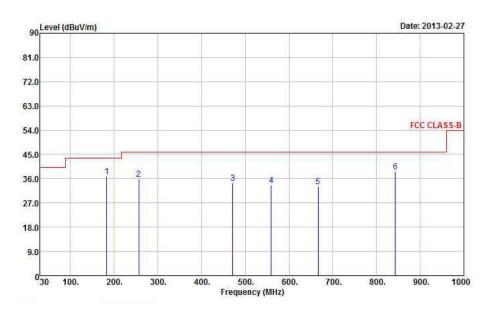
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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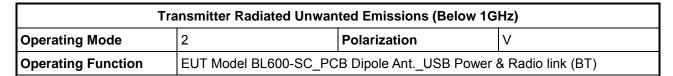
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
9	MHz	$\overline{\tt dBuV/m}$	\overline{dB}	$\overline{\mathtt{dBuV/m}}$	$\overline{-dBuV}$	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1	183.26	36.90	-6.60	43.50	57.68	8.83	1.41	31.02			Peak
2 3 4 5	256.01	35.81	-10.19	46.00	51.61	13.38	1.77	30.95			Peak
3	471.35	34.41	-11.59	46.00	45.42	17.61	2.21	30.83			Peak
4	559.62	33.65	-12.35	46.00	41.82	20.28	2.48	30.93			Peak
5	666.32	33.14	-12.86	46.00	40.48	20.26	2.54	30.14			Peak
б	842.86	38.68	-7.32	46.00	42.21	23.33	2.85	29.71	444	444	Peak

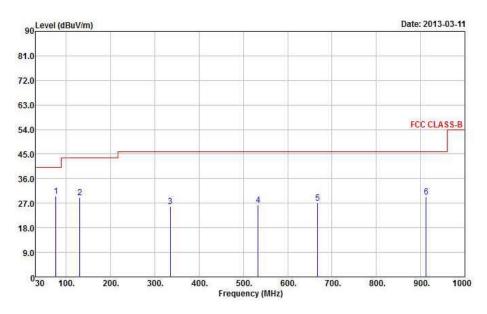
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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	Freq	Level	Over Limit			Antenna Factor		Preamp Factor		T/Pos	Remark
-	MHz	$\overline{\mathtt{dBuV/m}}$	dB	$\overline{\tt dBuV/m}$	-dBuV	$\overline{dB/m}$	$\overline{d}\overline{B}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1	76.56 130.88		-10.46 -14.49		52.96 47.71		0.96				Peak Peak
2 3 4	334.58 533.43	25.72	-20.28 -19.62	46.00	40.94 36.47	13.94	1.92	31.08			Peak Peak
5 6	667.29 912.70	26.96	-19.04 -16.64	46.00	34.31 33.16	20.27	2.53 2.55	30.15		552	Peak Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

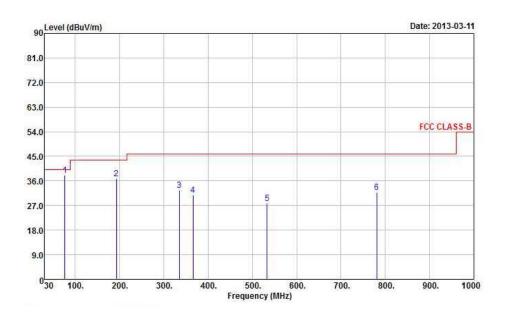
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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Transmitter Radiated Unwanted Emissions (Below 1GHz)								
Operating Mode	Operating Mode 2 Polarization H							
Operating Function EUT Model BL600-SC_PCB Dipole AntUSB Power & Radio link (BT)								

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	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
() 	MHz	$\overline{\mathtt{dBuV/m}}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dBuV/m}$	dBuV	$-\overline{dB/m}$	<u>dB</u>	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	-
1	76.56	38.23	-1.77	40.00	61.65	7.01	0.96	31.39	27.E.F		Peak
2	192.96	36.84	-6.66	43.50	57.75	8.76	1.44	31.11	344		Peak
3	334.58	32.52	-13.48	46.00	47.74	13.94	1.92	31.08			Peak
4	365.62	30.82	-15.18	46.00	45.11	14.77	1.98	31.04			Peak
5	533.43	27.90	-18.10	46.00	37.99	18.50	2.32	30.91			Peak
5 6	780.78	31.85	-14.15	46.00	36.97	22.08	2.75	29.95	444	111	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

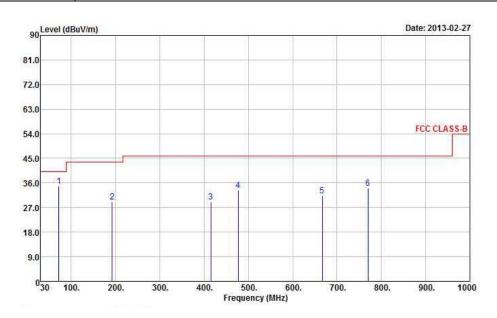
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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Transmitter Radiated Unwanted Emissions (Below 1GHz)								
Operating Mode	Operating Mode 3 Polarization V							
Operating Function	EUT Model BL600-SC_Dipole Ant_USB Power & Radio link (BT)							



	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\tt dBuV/m}$	dB	$\overline{\tt dBuV/m}$	-dBuV	$-\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3 4 5	71.71 191.99 415.09 477.17 666.32 770.11	29.02 29.17 33.43 31.29	-5.20 -14.48 -16.83 -12.57 -14.71 -11.95	43.50 46.00 46.00 46.00	58.88 49.95 41.65 44.25 38.63 39.09	8.74 16.45 17.67	0.96 1.44 2.17 2.25 2.54 2.79	31.11 31.10	 		Peak Peak Peak Peak Peak Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

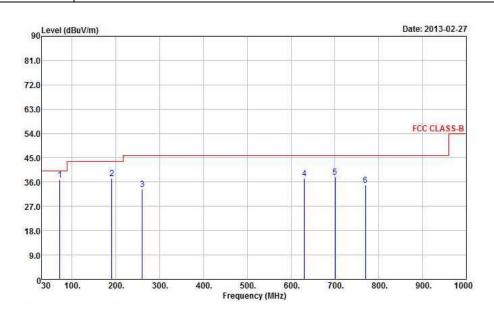
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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Transmitter Radiated Unwanted Emissions (Below 1GHz)								
Operating Mode	3	Polarization	Н					
Operating Function	EUT Model BL600-SC Dipole Ant USB Power & Radio link (BT)							

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	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
9	MHz	$\overline{\tt dBuV/m}$	——————————————————————————————————————	$\overline{\tt dBuV/m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	·
1 2 3 4 5	71.71 191.02 259.89 630.43 700.27	37.32 33.40 37.38 37.88	-12.60 -8.62 -8.12	43.50 46.00 46.00 46.00	48.72 44.51 44.86	8.72 13.89 20.60 20.71	1.44 1.78 2.49 2.52	30.22 30.21			Peak Peak Peak Peak Peak
б	770.11	34.79	-11.21	46.00	39.83	22.20	2.79	30.03	444	444	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

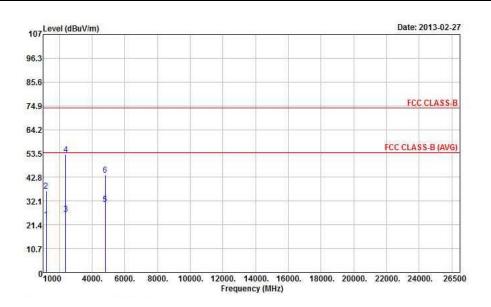
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz)

Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation ModeLE-1MbpsTest Freq. (FX)F1								
Operating Mode	Operating Mode 1 Polarization V							
Operating Function	EUT Model BL600-SA Chip Ant. USB Power & Radio link (BT)							

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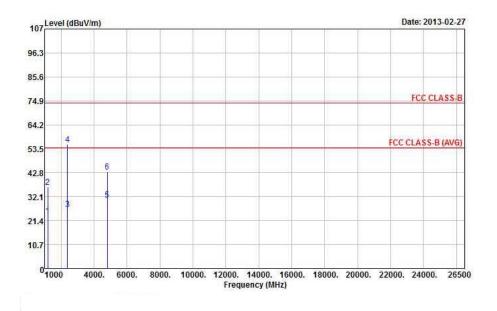


Harateon extensi	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{d}\overline{B}\overline{u}\overline{V}/\overline{m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dBuV/m}$	-dBuV	dB/m	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3 4 5	1200.00 1200.00 2386.00 2386.00 4804.00 4804.00	36.68 26.10 53.08 30.76	-30.03 -37.32 -27.90 -20.92 -23.24 -30.06	74.00 54.00 74.00 54.00	30.53 43.24 25.28 52.26 24.96 38.14	27.94 32.16 32.16 34.26	3.14 3.14 4.57 4.57 6.50 6.50	37.64 35.91 35.91 34.96	 	 	Average Peak Average Peak Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	Modulation Mode LE-1Mbps Test Freq. (FX) F1								
Operating Mode	Operating Mode 1 Polarization H								
Operating Function	EUT Model BL600-SA_Ch	ip AntUSB Power & Radio	link (BT)						



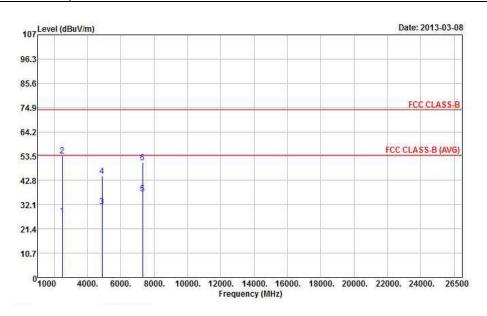
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	$\overline{\tt dBuV/m}$	\overline{dB}	$\overline{dBuV/m}$	-dBuV	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1	1200.00		-30.44		30.12		3.14		-7.E.F		Average
2	1200.00	36.40	-37.60	74.00	42.96	27.94	3.14	37.64			Peak
2 3 4	2386.00	26.61	-27.39	54.00	25.79	32.16	4.57	35.91			Average
4	2386.00	55.42	-18.58	74.00	54.60	32.16	4.57	35.91			Peak
5	4804.00	30.65	-23.35	54.00	24.85	34.26	6.50	34.96			Average
б	4804.00	43.22	-30.78	74.00	37.42	34.26	6.50	34.96			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation ModeLE-1MbpsTest Freq. (FX)F2								
Operating Mode	Operating Mode 1 Polarization V							
Operating Function	EUT Model BL600-SA_Ch	ip AntUSB Power & Radio	link (BT)					

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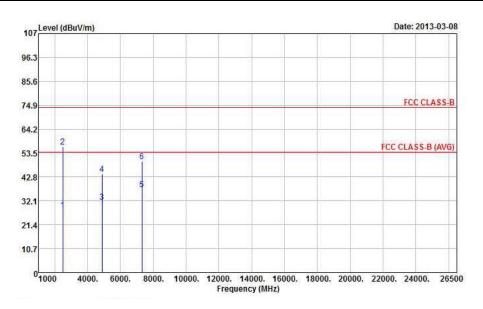
111111111111111111111111111111111111111	Freq	Level	Over Limit			Antenna Factor		Preamp Factor		T/Pos	Remark
-	MHz	$\overline{d}\overline{B}\overline{u}\overline{V}/\overline{m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dBuV7m}$	-dBuV	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3 4 5	2483.50 2483.50 4880.00 4880.00 7320.00 7320.00	53.70 31.43 44.83 36.91	-26.86 -20.30 -22.57 -29.17 -17.09 -23.36	74.00 54.00 74.00 54.00	26.05 52.61 25.60 39.00 27.48 41.21	32.28 34.28 34.28	4.63 4.63 6.53 6.53 8.42 8.42	35.82 34.98 34.98 35.03	 		Average Peak Average Peak Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F2									
Operating Mode	Operating Mode 1 Polarization H								
Operating Function	EUT Model BL600-SA_Ch	ip AntUSB Power & Radio	link (BT)						

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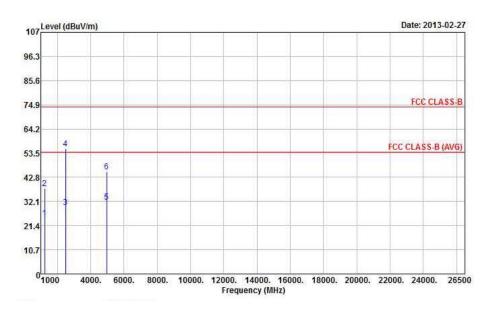
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
1	MHz	$\overline{\tt dBuV7m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{dBuV/m}$	$\overline{-dBuV}$	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3	2483.50 2483.50	56.38	-26.12 -17.62	74.00	26.79 55.29	32.28 32.28	4.63 4.63	35.82			Average Peak
4	4880.00 4880.00 7320.00	44.14	-22.53 -29.86 -16.87	74.00	25.64 38.31 27.70	34.28 34.28 36.04	6.53 6.53 8.42	34.98	100		Average Peak Average
5 6	7320.00	49.68	-24.32	74.00	40.25	36.04	8.42	35.03			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation ModeLE-1MbpsTest Freq. (FX)F3								
Operating Mode	Operating Mode 1 Polarization V							
Operating Function	EUT Model BL600-SA_Ch	ip AntUSB Power & Radio	link (BT)					



THE PARTY OF	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\mathtt{dBuV/m}}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{\tt dBuV/m}$	-dBuV	$\overline{dB/m}$	\overline{dB}	d B	cm	deg	
1	1240.00	24.83	-29.17		31.22	27.95	3.19	37.53			Average
2	1240.00	37.83	-36.17	74.00	44.22	27.95	3.19	37.53			Peak
3	2483.50	29.51	-24.49	54.00	28.42	32.28	4.63	35.82			Average
4	2483.50	55.38	-18.62	74.00	54.29	32.28	4.63	35.82			Peak
1 2 3 4 5 6	4960.00	31.79	-22.21	54.00	25.92	34.29	6.57	34.99			Average
б	4960.00	45.27	-28.73	74.00	39.40	34.29	6.57	34.99			Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

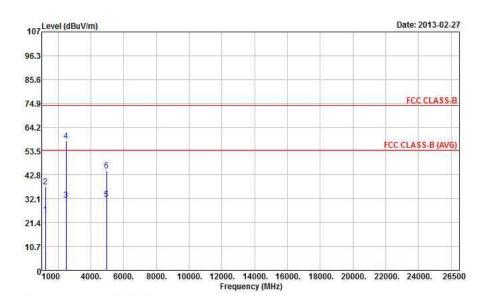
Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F3									
Operating Mode	Operating Mode 1 Polarization H								
Operating Function	EUT Model BL600-SA_Ch	ip AntUSB Power & Radio	link (BT)						

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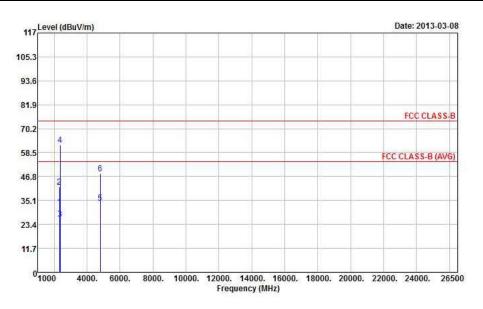
I Indiana managa	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\mathtt{dBuV/m}}$	\overline{dB}	$\overline{dBuV/m}$	-dBuV	$-\overline{dB/m}$	<u>dB</u>	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		deg	
1	1240.00		-28.87 -36.59	54.00 74.00	31.52 43.80		3.19	37.53 37.53			Average Peak
3	2483.50	31.47	-22.53	54.00	30.38	32.28	4.63	35.82			Average
1 2 3 4 5 6	2483.50 4960.00		-15.78 -21.97		57.13 26.16		4.63 6.57	35.82 34.99	111		Peak Average
б	4960.00	44.78	-29.22	74.00	38.91	34.29	6.57	34.99			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F1									
Operating Mode	Operating Mode 2 Polarization V								
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						

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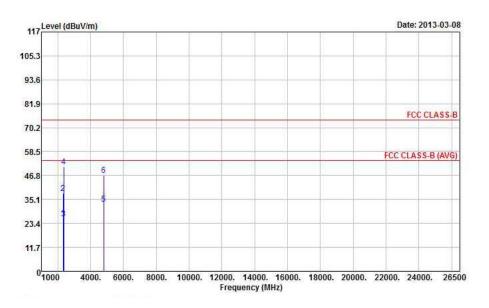
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\mathtt{dBuV/m}}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\overline{\tt dBuV/m}$	-dBuV	$\overline{dB/m}$	——— dB	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2 3 4 5 6	2327.00 2327.00 2365.00 2365.00 4804.00	41.68 26.20 62.39	-22.12 -32.32 -27.80 -11.61 -20.25	74.00 54.00 74.00	31.22 41.02 25.43 61.62 27.95	32.09 32.14 32.14	4.54 4.54 4.56 4.56 6.50	35.97 35.93 35.93	 		Average Peak Average Peak Average
6	4804.00		-25.75		42.45		6.50				Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F1									
Operating Mode	2	Polarization	Н						
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						

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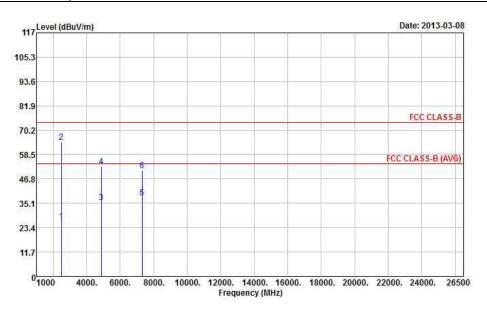
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
9	MHz	$\overline{\tt dBuV/m}$	d B	$\overline{\tt dBuV/m}$	\overline{dBuV}	$\overline{dB/m}$	\overline{dB}	\overline{dB}	cm	deg	()
1 2 3 4 5 6	2327.00 2327.00 2365.00 2365.00 4804.00 4804.00	38.26 25.76 51.26 32.90	-28.32 -35.74 -28.24 -22.74 -21.10 -27.14	74.00 54.00 74.00 54.00	25.02 37.60 24.99 50.49 27.10 41.06	32.09 32.14	4.54 4.56 4.56 6.50 6.50	35.97 35.93 35.93 34.96	 		Average Peak Average Peak Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F2									
Operating Mode	Operating Mode 2 Polarization V								
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						

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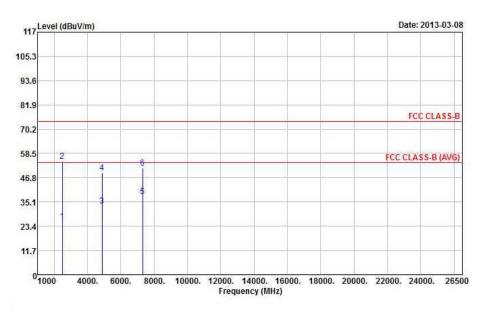
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
100	MHz	$\overline{\tt dBuV/m}$	d B	$\overline{\tt dBuV/m}$	\overline{dBuV}	$\overline{dB/m}$	<u>dB</u>	\overline{dB}	cm	deg	-
1	2491.00		-27.68		25.21	32.29	4.63				Average
2 3	2491.00 4880.00	35.58	-9.58 -18.42	54.00	63.31		4.63 6.53	34.98			Peak Average
4 5	4880.00 7320.00		-21.04 -16.34		47.13	34.28 36.04	6.53		[335]		Peak Average
б	7320.00	50.86	-23.14	74.00	41.43	36.04	8.42	35.03	(2222)		Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F2									
Operating Mode	Operating Mode 2 Polarization H								
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						

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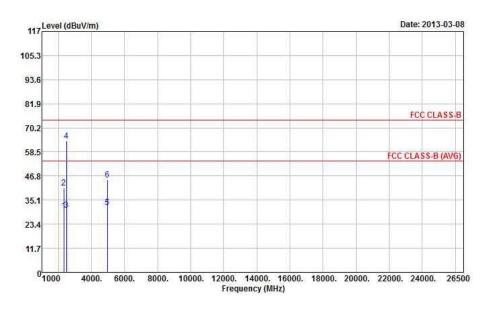


	Freq	Level	Over Limit			Antenna Factor		Preamp Factor		T/Pos	Remark
-	MHz	$\overline{\tt dBuV/m}$	\overline{dB}	$\overline{\tt dBuV/m}$	$\overline{}\overline{d}\overline{B}\overline{u}\overline{V}$	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1 2	2491.00 2491.00		-28.11 -19.25		24.78 53.64		4.63				Average Peak
2 3 4	4880.00 4880.00		-20.77 -24.77		27.40 43.40		6.53 6.53			777	Average Peak
5	7320.00 7320.00		-16.16 -22.58		28.41 41.99	36.04 36.04	8.42 8.42		200		Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F3									
Operating Mode	2	Polarization	V						
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						



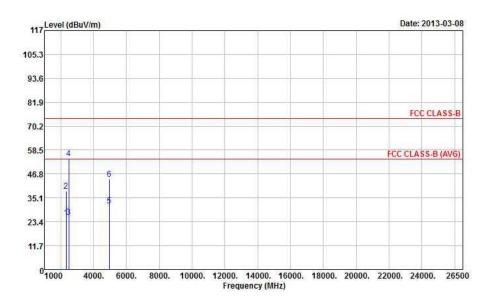
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\tt dBuV/m}$	d B	$\overline{dBuV/m}$	$\overline{-dBuV}$	$\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1	2325.00	29.89	-24.11	54.00	29.24	32.09	4.53	35.97		2.2.2	Average
2	2325.00	40.94	-33.06	74.00	40.29	32.09	4.53	35.97			Peak
2 3	2491.00	30.24	-23.76	54.00	29.13	32.29	4.63	35.81			Average
4	2491.00	63.94	-10.06	74.00	62.83	32.29	4.63	35.81			Peak
5	4960.00	31.67	-22.33	54.00	25.80	34.29	6.57	34.99			Average
5 6	4960.00	44.87	-29.13	74.00	39.00	34.29	6.57	34.99			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F3									
Operating Mode	Operating Mode 2 Polarization H								
Operating Function	EUT Model BL600-SC_PC	B Dipole AntUSB Power	& Radio link (BT)						

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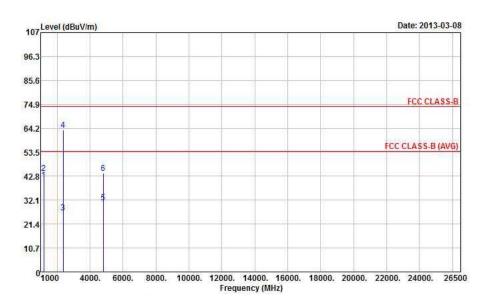
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
9	MHz	$\overline{\mathtt{dBuV/m}}$	\overline{dB}	$\overline{dBuV/m}$	—dBu∇	$\overline{dB/m}$	\overline{dB}	——dB	cm	deg	
1 2 3 4 5	2325.00 2325.00 2491.00 2491.00 4960.00	38.38 25.59 54.49 31.24	-28.53 -35.62 -28.41 -19.51 -22.76 -29.65	74.00 54.00 74.00 54.00	24.82 37.73 24.48 53.38 25.37 38.48	32.09 32.09 32.29 32.29 34.29 34.29	4.53 4.63 4.63 6.57	35.97	205 200	202	Average Peak Average Peak Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F1									
Operating Mode	Operating Mode 3 Polarization V								
Operating Function	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)						

Report No.: FR331335



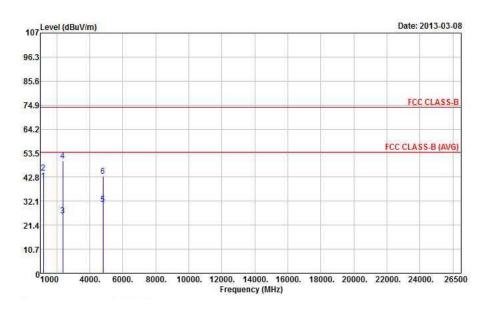
	Freq	Level	Over Limit	100000000000000000000000000000000000000		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	$\overline{\mathtt{dBuV/m}}$	d B	$\overline{dBuV/m}$	-dBuV	─dB/m	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cm	deg	
1	1200.00		-12.98		47.58	27.94	3.14	37.64			Average
2 3 4	1200.00 2365.00		-29.88 -27.34	74.00 54.00	50.68	27.94 32.14	3.14 4.56	37.64 35.93			Peak Average
	2365.00	63.44	-10.56	74.00	62.67	32.14	4.56	35.93		3.5.5	Peak
5 6	4804.00 4804.00		-22.95 -29.77	54.00 74.00	25.25 38.43	34.26 34.26	6.50	34.96 34.96			Average Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation ModeLE-1MbpsTest Freq. (FX)F1									
Operating Mode	3	Polarization	Н						
Operating Function	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)						

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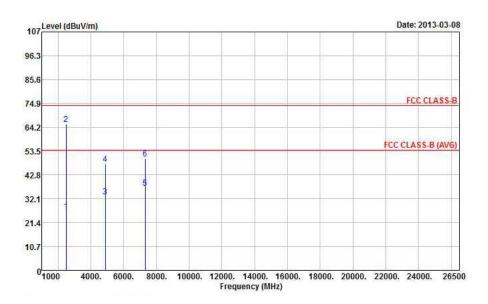
i levenovene meteoria	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\tt dBuV/m}$	\overline{dB}	$\overline{dBuV/m}$	dBuV	$\overline{dB/m}$	<u>dB</u>	\overline{dB}	cm	deg	
1	1200.00		-12.85 -29.25	54.00 74.00	47.71 51.31	27.94	3.14	37.64 37.64			Average Peak
1 2 3 4 5 6	2365.00	25.57	-28.43	54.00	24.80	32.14	4.56	35.93			Average
4 5	2365.00 4804.00		-23.81 -23.39	74.00 54.00	49.42	32.14 34.26	4.56 6.50	35.93 34.96	100		Peak Average
б	4804.00	43.34	-30.66	74.00	37.54	34.26	6.50	34.96	444	444	

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)											
Modulation Mode	Modulation Mode LE-1Mbps Test Freq. (FX) F2										
Operating Mode	Operating Mode 3 Polarization V										
Operating Function	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)								

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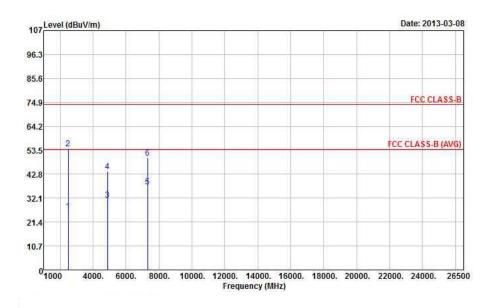


I I TOTAL OF THE PROPERTY.	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{\tt dBuV/m}$	\overline{dB}	$\overline{dBuV/m}$	$-\overline{dBuV}$	$-\overline{dB/m}$	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		deg	
1	2491.00	26.55	-27.45	54.00	25.44	32.29	4.63	35.81	·		Average
1 2 3 4 5 6	2491.00	65.68	-8.32	74.00	64.57	32.29	4.63	35.81			Peak
3	4880.00	33.12	-20.88	54.00	27.29	34.28	6.53	34.98			Average
4	4880.00	47.62	-26.38	74.00	41.79	34.28	6.53	34.98			Peak
5	7320.00	37.02	-16.98	54.00	27.59	36.04	8.42	35.03			Average
б	7320.00	50.11	-23.89	74.00	40.68	36.04	8.42	35.03			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)											
Modulation Mode	Modulation Mode LE-1Mbps Test Freq. (FX) F2										
Operating Mode	Operating Mode 3 Polarization H										
Operating Function	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)								



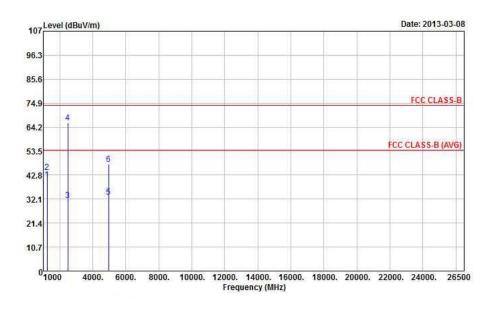
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{dBuV/m}$	d B	$\overline{dBuV/m}$	-dBuV	dB/m	<u>dB</u>	\overline{dB}	cm	deg	
1	2491.00	26.16	-27.84	54.00	25.05	32.29	4.63	35.81			Average
2	2491.00	54.20	-19.80	74.00	53.09	32.29	4.63	35.81			Peak
2 3 4	4880.00	31.28	-22.72	54.00	25.45	34.28	6.53	34.98			Average
4	4880.00	44.21	-29.79	74.00	38.38	34.28	6.53	34.98			Peak
5	7320.00	37.29	-16.71	54.00	27.86	36.04	8.42	35.03	-		Average
б	7320.00	50.19	-23.81		40.76	36.04	8.42	35.03			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)											
Modulation Mode	Modulation Mode LE-1Mbps Test Freq. (FX) F3										
Operating Mode	Operating Mode 3 Polarization V										
Operating Function	EUT Model BL600-SC_Dip	oole Ant_USB Power & Rad	io link (BT)								

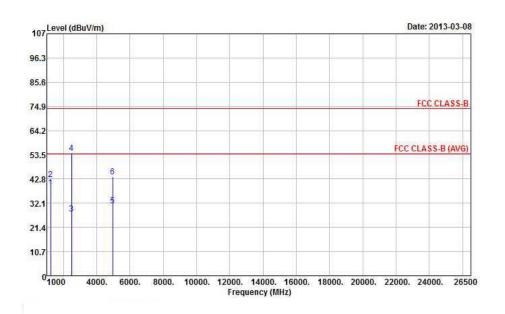


	Freq	Level	Over Limit	- 17702763337733		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{dBuV/m}$	dB	$\overline{\tt dBuV/m}$	-dBuV	dB/m	\overline{dB}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	cw.	deg	
1	1240.00	40.88	-13.12	54.00	47.27	27.95	3.19	37.53			Average
2	1240.00	44.18	-29.82	74.00	50.57	27.95	3.19	37.53			Peak
3	2491.00	31.47	-22.53	54.00	30.36	32.29	4.63	35.81	(371772)		Average
4	2491.00	66.27	-7.73	74.00	65.16	32.29	4.63	35.81	7.5.5		Peak
5	4960.00	33.15	-20.85	54.00	27.28	34.29	6.57	34.99			Average
1 2 3 4 5 6	4960.00	47.71	-26.29	74.00	41.84	34.29	6.57	34.99			Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	LE-1Mbps	Test Freq. (FX)	F3							
Operating Mode	3	Polarization	Н							
Operating Function EUT Model BL600-SC_Dipole Ant_USB Power & Radio link (BT)										



	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
-	MHz	$\overline{dBuV/m}$	\overline{dB}	$\overline{dBuV/m}$	\overline{dBuV}	$-\overline{dB/m}$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		deg	
1	1240.00	38.92	-15.08	54.00	45.31	27.95	3.19	37.53			Average
2 3	1240.00	42.53	-31.47	74.00	48.92	27.95	3.19	37.53			Peak
3	2491.00	27.27	-26.73	54.00	26.16	32.29	4.63	35.81	(777		Average
4	2491.00	54.20	-19.80	74.00	53.09	32.29	4.63	35.81			Peak
5	4960.00	30.87	-23.13	54.00	25.00	34.29	6.57	34.99			Average
б	4960.00	43.88	-30.12	74.00	38.01	34.29	6.57	34.99	444		Peak

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 3: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
- Note 4: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.
- Note 5: Average emission setting: RBW=1MHz; VBW ≥ 1/T, where T is "Pulse On Time", e.g., LE VBW≥1/625us, VBW=3kHz.

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4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz ~ 2.75GHz	Nov. 22, 2012	Conduction
EIVIC Receiver	R&S	E303 30	100174	9KHZ ~ 2.75GHZ	INUV. 22, 2012	(CO04-HY)
LISN	SCHWARZBECK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 21, 2013	Conduction
LISIN	MESS-ELEKTRONIK	NSLK 0127	0127-477	9KHZ ~ SUIVIHZ	Jan. 21, 2013	(CO04-HY)
LISN	EMCO	3810/2NM	9703-1839	9kHz ~ 30MHz	Apr. 20, 2012	Conduction
(Support Unit)	EMICO	30 IU/ZINIVI	9703-1639	9KHZ ~ 30IVIHZ	Apr. 20, 2012	(CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	7.61183201e+012	9kHz ~ 30MHz	Nov. 00, 2012	Conduction
RF Cable-CON	HUBER+SURINER	RG213/U	7.01103201e+012	9KHZ ~ SUIVIHZ	Nov. 09, 2012	(CO04-HY)
EMI Eiltor	LINDCDEN	LDE 2020	2651	< 450 LI=	NI/A	Conduction
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	(CO04-HY)

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 30	100023/030	9KHz ~ 30GHz	Apr. 27, 2012	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Jun. 19, 2012	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Nov. 21, 2012	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jun. 26, 2012	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	Sep. 08, 2012	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	Sep. 08, 2012	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345669/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 02, 2012	Conducted (TH01-HY)

Note: calibration interval of instruments listed above is two year.

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP	100055	9Kz – 40GHz	Jun. 06, 2012	Radiation (03CH05-HY)
Receiver	R&S	ESIB26	100337	20Hz – 26.5GHz	Jun. 21, 2012	Radiation (03CH05-HY)
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH05-HY	30 MHz - 1 GHz 3m	N/A	Radiation (03CH05-HY)
Amplifier	COM-POWER	PA-103	161050	1 MHz ~ 1 GHz	Mar. 20, 2012	Radiation (03CH05-HY)
Amplifier	Agilent	8449B	3008A02665	1GHz – 26.5 GHz	Aug. 28, 2012	Radiation (03CH05-HY)
Horn Antenna	ETS-LINDGREN	3117	66584	1GHz~18GHz	Aug. 09, 2012	Radiation
						(03CH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170517	18G~40G	Jan. 14, 2013	Radiation
						(03CH05-HY)
RF Cable-R03m	Jye Bao	RG142	03CH05-HY	30 MHz - 1 GHz	Oct. 14, 2012	Radiation (03CH05-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX104	03CH05-HY	1GHz~40GHz	Oct. 14, 2012	Radiation
						(03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30 MHz - 1 GHz	Oct. 06, 2012	Radiation (03CH05-HY)
Turn Table	HD	HD100	420/611	0 - 360 degree	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	HD100	240/666	1 m - 4 m	N/A	Radiation (03CH05-HY)

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Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna *(note 1)	R&S	HFH2-Z2	860004/0001	9 kHz - 30 MHz	Jul. 03, 2012	Radiation (03CH05-HY)

Note: Calibration Interval of instruments listed above is two year.

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