

Report No.: FR650917AL

FCC Test Report

Equipment Nest Cam Outdoor

Brand Name Nest Labs

Model No. : A0033

FCC ID ZQANC21

Standard 47 CFR FCC Part 15.247 2400 MHz - 2483.5 MHz Frequency

FCC Classification DTS

Function ☐ Point-to-multipoint; **☐** Point-to-point

Applicant Nest Labs Inc.

3400 Hillview Ave, Pola Alto, CA 94304 USA

Manufacturer Chicony Electronics (Dong Guan) Co., Ltd

San Zhong Guan Li Qu, Qingxi Town, Dongguan City

Guangdong 523651 China

The product sample received on May 16, 2016 and completely tested on Jul. 04, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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:

Kevin Liang / Assistant Manager

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Appendix A. Test Result of Emission Bandwidth

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Summary of Test Result

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		Conform	ance 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	[[Complied
3.2	15.247(a)	DTS Bandwidth	Refer as Appendix A	≥500kHz	Complied
3.3	15.247(b)	Fundamental Emission Output Power	Refer as Appendix B	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	Refer as Appendix C	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Test Result of Transmitter Radiated Bandedge Emissions	Non-Restricted Bands: 2399.964 MHz: 56.97 dB Restricted Bands [dBuV/m at 3m]:2485.76 MHz 43.05 (Margin 10.95 dB) – AV [dBuV/m at 3m]:2484.480 MHz 53.27 (Margin 20.73 dB) - PK	Non-Restricted Bands:> 20 dBc Bands: FCC 15.209	Complied
3.6	15.247(d)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]:30 MHz 36.94 (Margin 3.06 dB) - PK	Non-Restricted Bands:> 20 dBc Restricted Bands: FCC 15.209	Complied

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Revision History

Report No.	Version	Description	Issued Date
FR650917AL	Rev. 02	Initial issue of report	Jul. 07, 2016

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1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Nss-Min	Nant
2.4G	BT-LE	1	1	1

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Note:

- 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- Bluetooth LE (Low Energy) using GFSK modulation for DTS digital modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs.

1.1.2 Antenna Information

		Antenna Category					
\boxtimes							
	\boxtimes	Temporary RF connector provided					
		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.					
	Exte	ernal antenna (dedicated antennas)					
		Single power level with corresponding antenna(s).					
		Multiple power level and corresponding antenna(s).					
		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.	Ant. Cat.	Ant. Cat. Ant. Type Gain (dBi)						
1	Integral	PIFA	0.84					

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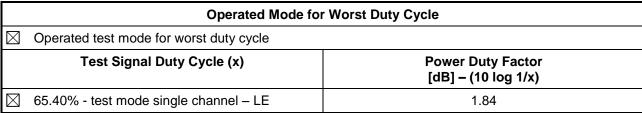


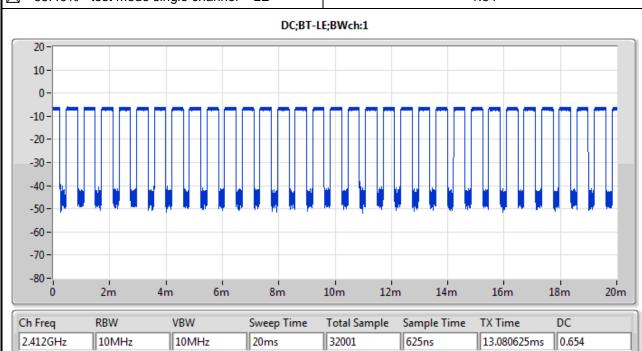
1.1.3 Type of EUT

		Identify EUT			
EU	Γ Serial Number	N/A			
Pre	sentation of Equipment	□ Production ; □ Pre-Production ; □ Prototype			
	Type of EUT				
\boxtimes	Stand-alone				
	Combined (EUT where the radio part is fully integrated within another device)				
	Combined Equipment - Brand Name / Model No.:				
	Plug-in radio (EUT intended for a variety of host systems)				
	Host System - Brand Name / Model No.:				
	Other:				

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1.1.4 Mode Test Duty Cycle





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1.1.5 EUT Operational Condition

Supply Voltage	\boxtimes	AC mains	\boxtimes	DC	
Type of DC Source	\boxtimes	External AC adapter	\boxtimes	From Host System	Battery /// PoE

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1.2 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 C63.10-2013
- FCC KDB 558074 D01 v03r05

1.3 Testing Location Information

Testing Location						
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.					
TEL: 886-3-327-3456 TEL: 886-3-327-0973						
Test Condition Test Site No. Test Engineer Test Environment Test Date				Test Date		
AC Conduction			CO04-HY	Ryan	24°C / 58%	Jun. 07, 2016
RF Conducted			TH01-HY	Howard	23°C / 63%	Jul. 04, 2016
Radiated			03CH09-HY	Joe	22.2°C / 51.8%	Jun. 02, 2016

Test site registered number [553509] with FCC.

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1.4 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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M	easurement Uncertainty	
Test Item		Uncertainty
AC power-line conducted emissions		±2.3 dB
Emission bandwidth, 6dB bandwidth		±0.6 %
RF output power, conducted		±0.1 dB
Power density, conducted		±0.6 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±5 %
DC and low frequency voltages		±0.9%
Time		±1.4 %
Duty Cycle		±0.6 %

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2 Test Configuration of EUT

2.1 The Worst Case Modulation Configuration

	Worst Modulation Used f	for Conformance Testing	
Bluetooth Version	Transmit Chains (N _{TX})	Data Rate	Modulation Mode
LE	1	1 Mbps	LE-1Mbps

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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)

2.2 Test Channel Mode

Test Software Doc

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	LE	1	1	1	2402	L	Default
2.4G	LE	1	1	1	2440	М	Default
2.4G	LE	1	1	1	2480	Н	Default

Abbreviation Explanation

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Test Cond.	Abbreviation
2.4G	BT-LE,	1	1	1	2402	L	TN,VN	2.4G;BT-LE;1;1;1;2480;TN,VN

Note:

• Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch).

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2.3 The Worst Case Measurement Configuration

TI	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	Operating Mode Description				
1	Adapter Mode				
2	USB Mode				

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The Worst Case Mode for Following Conformance Tests			
Tests Item DTS Bandwidth, Fundamental Emission Output Power, Power Spectral Emissions in Non-restricted Frequency Bands			
Test Condition	Conducted measurement at transmit chains		

Th	The Worst Case Mode for Following Conformance Tests				
Tests Item	Emissions in Restricted Frequency Bands				
Test Condition	Radiated measurement				
	☐ EUT will be placed in	fixed position.			
User Position	EUT will be placed in mobile position and operating multiple positions. EUT shall be performed three orthogonal planes.				
	EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed three orthogonal planes.				
Operating Mode < 1GHz					
	□ 2. USB Mode				
	X Plane	Y Plane	Z Plane		
Orthogonal Planes of EUT					
Worst Planes of EUT	V				

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2.4 Accessories and Support Equipment

Accessories Information					
	Brand Name	I.T.E	Model Name	A0038	
AC Adapter	Power Rating	I/P: 100- 240 Vac, 0.35 A, O/P: 5 Vdc, 1.4 A			
	Power Cord	4.4 meter, non-shielded cable, with w/o ferrite core			

	Support Equipment - RF Conducted		
No.	Equipment	Brand Name	Model Name
1	Notebook	DELL	E6400
2	AC Adapter for Notebook	DELL	HA65NM130

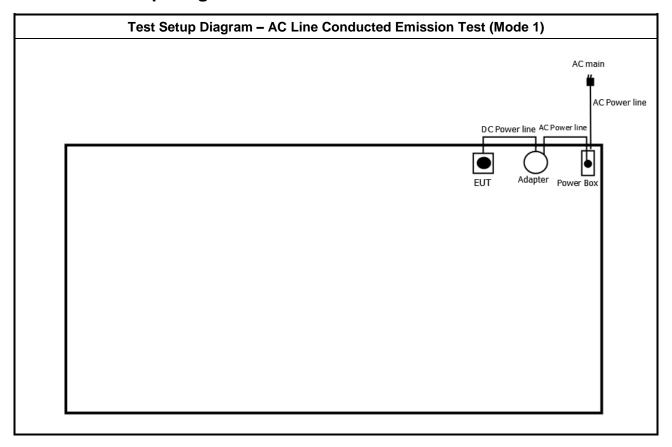
	Support Equipment - AC Conduction and Radiated Emission		
No.	Equipment	Brand Name	Model Name
1	Notebook	DELL	E5540
2	AC Adapter for Notebook	DELL	LA65NS2-01

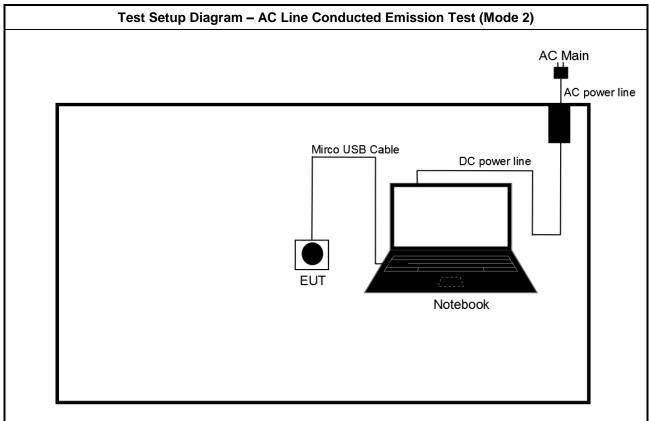
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Test Setup Diagram 2.5

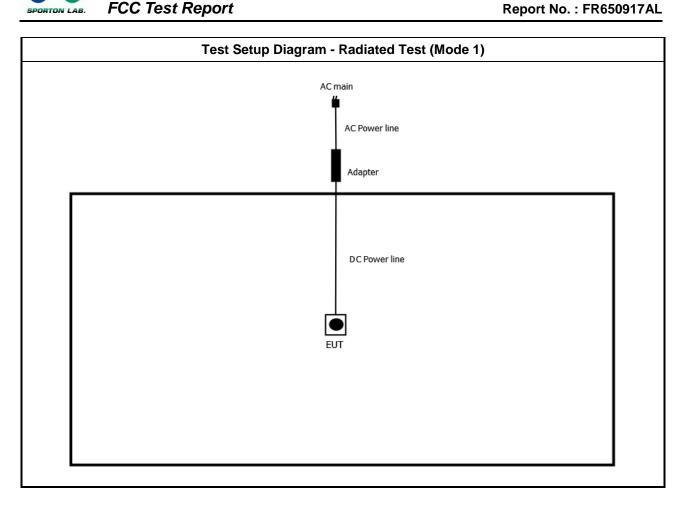


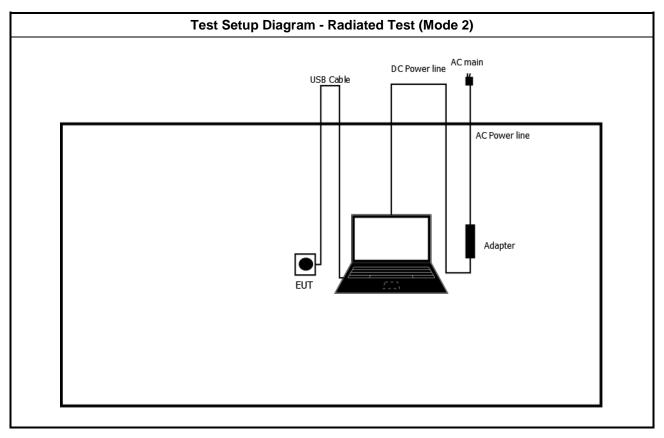


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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC FOW	er-line Conducted Emissions L	
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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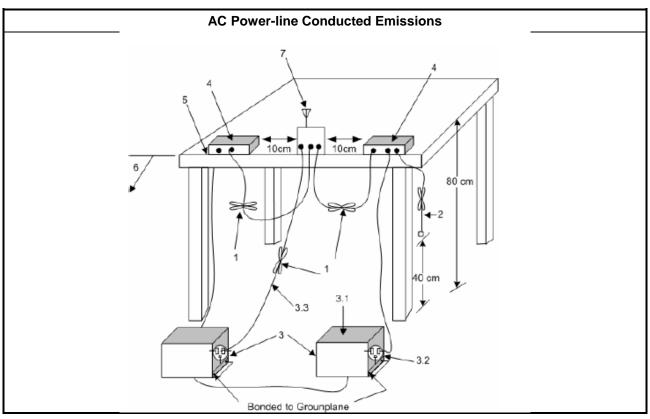
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Ī	Test Method
I	 Refer as ANSI C63.10-2013, 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

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3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

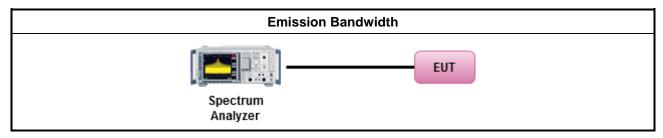
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

	Test Method			
•	For the emission bandwidth shall be measured using one of the options below:			
	\boxtimes	Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.		
		Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.		
	\boxtimes	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.		

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

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3.3 Fundamental Emission Output Power

3.3.1 Fundamental Emission Output Power Limit

Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit							
•	■ 2400-2483.5 MHz Band:						
	•	■ If $G_{TX} \le 6$ dBi, then $P_{Out} \le 30$ dBm (1 W)					
	•	■ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm					
	•	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
	•	Smart antenna system (SAS):					
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm					
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm						
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8dB$ dBm					
e.i.r	.p. P	ower Limit:					
•	2400-2483.5 MHz Band						
	 Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W) 						
	•	Point-to-point systems (P2P): $P_{eirp} \le MAX(36, [P_{Out} + G_{TX}]) dBm$					
	•	Smart antenna system (SAS)					
		- Single beam: P _{eirp} ≤ MAX(36, P _{Out} + G _{TX}) dBm					
		- Overlap beam: $P_{eirp} \le MAX(36, P_{Out} + G_{TX}) dBm$					
		- Aggregate power on all beams: $P_{eirp} \le MAX(36, [P_{Out} + G_{TX} + 8]) dBm$					
 Pout = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = 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.

3.3.3 Test Procedures

	Test Method
•	Maximum Peak Conducted Output Power
	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
•	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
-	For conducted measurement.
	■ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	■ If multiple transmit chains, EIRP calculation could be following as methods: P _{total} = P ₁ + P ₂ + + P _n (calculated in linear unit [mW] and transfer to log unit [dBm]) EIRP _{total} = P _{total} + DG

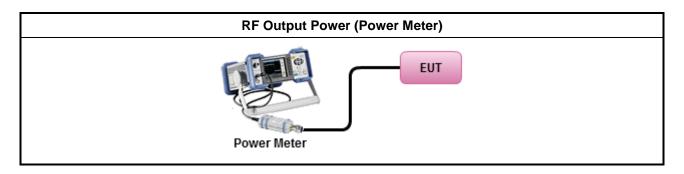
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Note: duty cycle correction factor already take into account in shown result by adding offset during measurement

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3.3.4 Test Setup



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3.3.5 Test Result of Maximum Peak Conducted Output Power

Refer as Appendix B

3.3.6 Test Result of Maximum Average Conducted Output Power

Refer as Appendix B

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3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

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3.4.2 Measuring Instruments

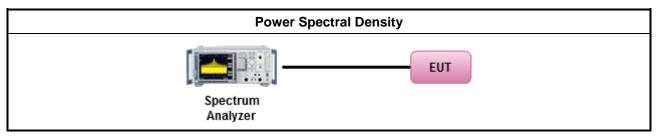
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

	Test Method				
•	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).				
	Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).				
	[duty cycle ≥ 98% or external video / power trigger]				
	Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).				
	Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-2 (slow sweep speed)				
	duty cycle < 98% and average over on/off periods with duty factor				
	Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).				
	Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)				
•	For conducted measurement.				
	If The EUT supports multiple transmit chains using options given below:				
	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the N _{TX} output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.				
Option 2: Measure and sum spectral maxima across the outputs. With this tech are measured at each output of the device at the required resolution be maximum value (peak) of each spectrum is determined. These maximum valumed mathematically in linear power units across the outputs. These operate performed separately over frequency spans that have different out-of-ban emission limits,					
	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.				

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3.4.4 Test Setup



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3.4.5 Test Result of Power Spectral Density

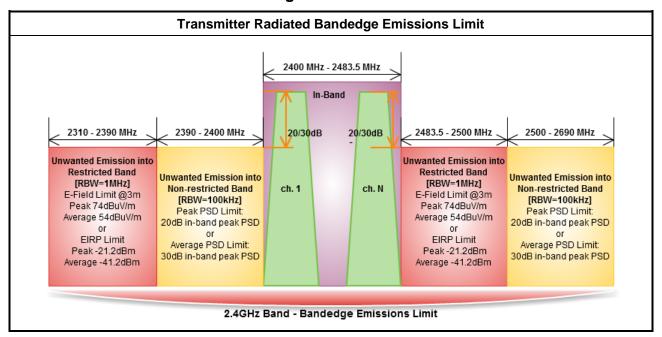
Refer as Appendix C

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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

		Test Method			
\boxtimes	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].				
\boxtimes		er as ANSI C63.10, clause 6.10 bandedge testing shall be performed at the lowest frequency nnel and highest frequency channel within the allowed operating band.			
\boxtimes	For	the transmitter unwanted emissions shall be measured using following options below:			
	\boxtimes	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.			
	\boxtimes	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.			
		Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)			
		Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).			
		Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).			
		Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.			
		Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.			
		Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.			
\boxtimes	For	the transmitter bandedge emissions shall be measured using following options below:			
		Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).			
	\boxtimes	Refer as ANSI C63.10, clause 6.10 for band-edge testing.			
		Refer as ANSI C63.10, clause 6.10.6.2 for marker-delta method for band-edge measurements.			
\boxtimes		radiated measurement, refer as FCC KDB 558074, clause 12.2.7 and ANSI C63.10, clause 6.6. distance is 3m.			

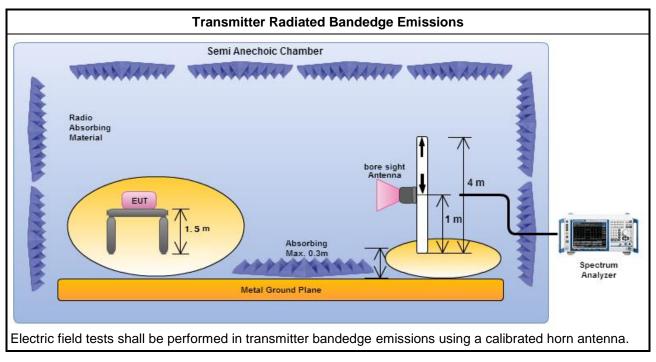
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Test setting				
Bandedge Emissions	RBW/VBW			
(Non-restricted Band)	100k/300k			
(Restricted Band)	Peak : 1M/3M Average : 1M/3k			

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3.5.4 Test Setup



Report No.: FR650917AL

3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

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3.6 Transmitter Radiated Unwanted Emissions

3.6.1 Transmitter in 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				

Report No.: FR650917AL

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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FCC Test Report No.: FR650917AL

3.6.3 Test Procedures

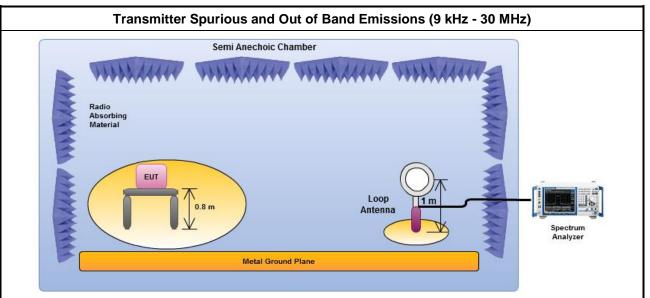
		Test Method				
	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results 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).					
	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:				
	\boxtimes	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.				
	\boxtimes	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.				
		Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle ≥98%)				
		Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).				
		Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW≥1/T).				
		Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.				
		Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.				
		Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.				
		Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.				
	For	radiated measurement, refer as FCC KDB 558074, clause 12.2.7.				
	\boxtimes	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.				
	\boxtimes	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.				
	\boxtimes	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.				
\boxtimes	The any unwanted emissions level shall not exceed the fundamental emission level.					
		mplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value no need to be reported.				

	Test setting	
Unwanted emissions	RBW/VBW	
Below 1G	100k/300k	
Above 1G	Peak : 1M/3M Average : 1M/3k	

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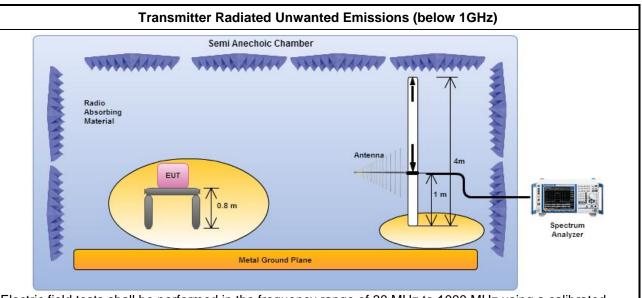


3.6.4 Test Setup



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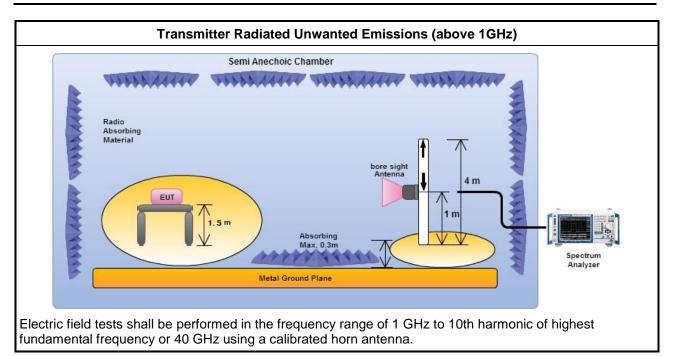
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.



Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

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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.

3.6.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix E

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4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
EMC Receiver	KEYSIGHT	N9038A	MY54130031	20Hz ~ 8.4GHz	Apr. 14, 2016	Apr. 13, 2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 26, 2016	Jan. 25, 2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	Oct. 30, 2015	Oct. 29, 2016
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	NCR

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Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9KHz~40GHz	May 12, 2016	May 11, 2017
Power Sensor	Anritsu	MA2411B	917017	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017
Power Meter	Anritsu	ML2495A	949003	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	Jul. 27, 2016

Instrument for Radiated Test

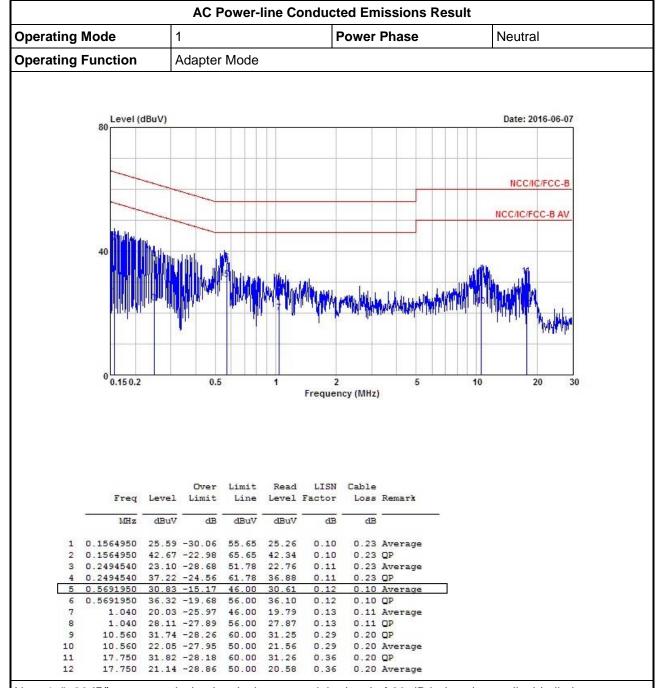
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz 3m	May 14, 2016	May 13, 2017
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2015	Jun. 30, 2016
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2016	Jun. 30, 2017
Amplifier	EMC	EMC9135	980232	9kHz ~ 1.0GHz	Jan. 29, 2016	Jan. 28, 2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	Apr.11, 2016	Apr.10, 2017
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	Jul. 15, 2015	Jul. 14, 2016
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL 6111D & MTJ6102	35418	30MHz ~ 1GHz	Mar. 31, 2016	Mar. 30, 2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1534	1GHz ~ 18GHz	Apr. 22, 2016	Apr. 21, 2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	Jan. 04, 2016	Jan. 03, 2017
Amplifier	MITEQ	JS44-18004000-33- 8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Jun. 01, 2017
Loop Antenna	ROHDE&SCHWA RZ	HFH2-Z2	100330	9 kHz~30 MHz	Nov. 10, 2014	Nov. 09, 2016

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AC Power-line Conducted Emissions

Appendix I



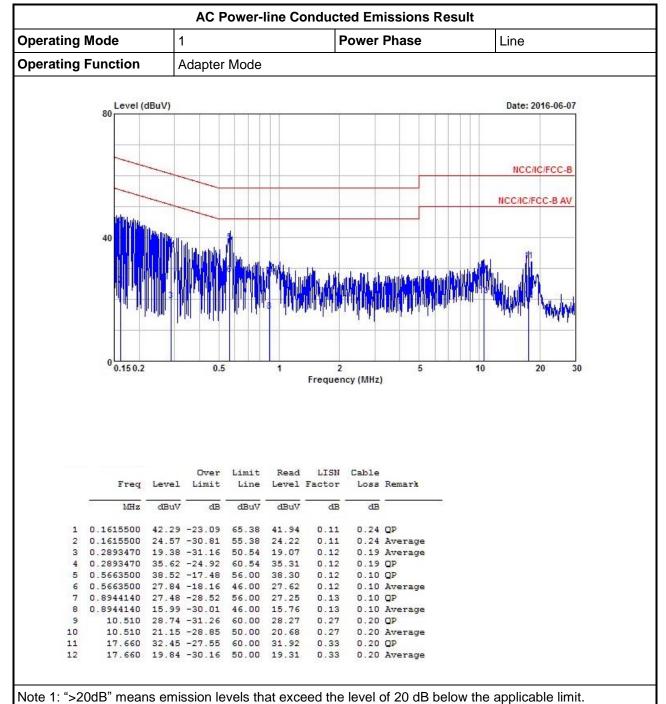
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

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

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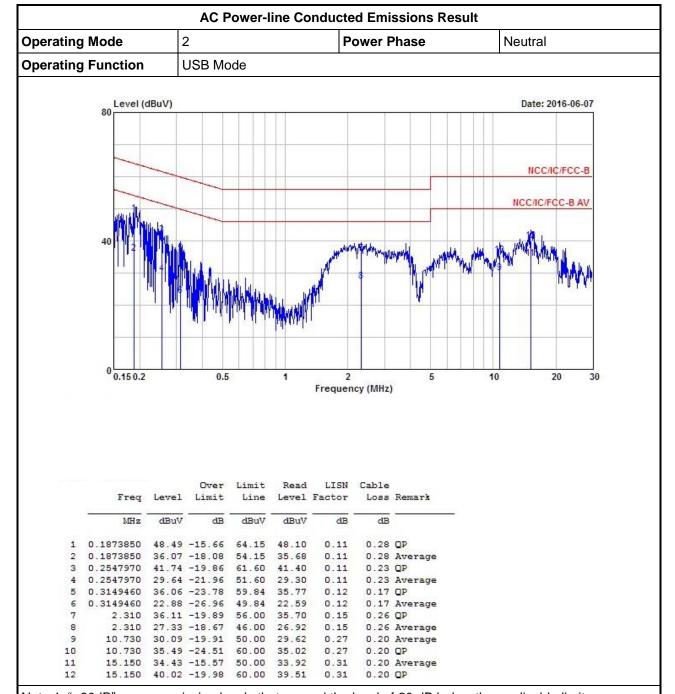
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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AC Power-line Conducted Emissions

Appendix I



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

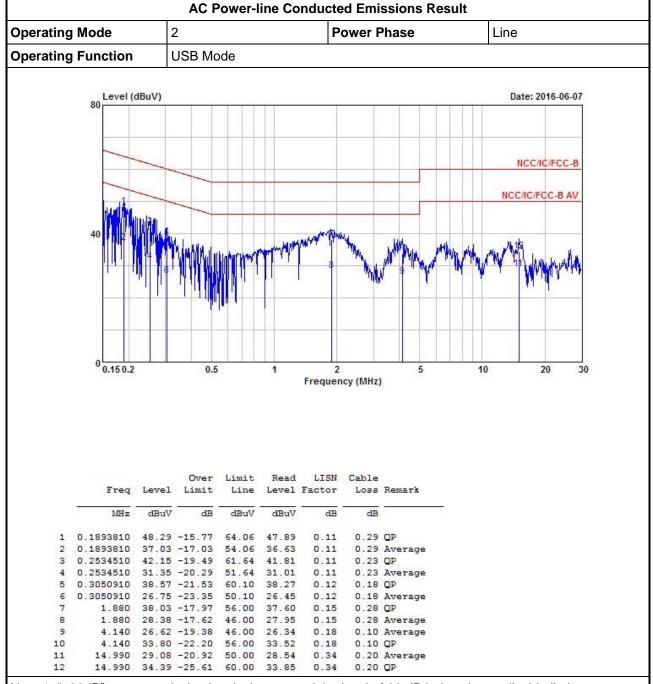
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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AC Power-line Conducted Emissions

Appendix I



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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EBW Result
Appendix A

Summary

FAX: 886-3-327-0973

Mode	N dB	OBW	ITU-Code	
	(Hz)	(Hz)		
2.4G;BT-LE;1;1;1	663.75k	1.046M	1M05F1D	

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EBW Result
Appendix A

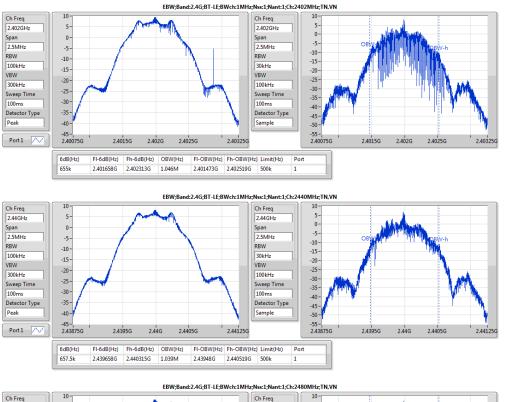
Result

Mode	Result	Limit	P1-N dB	P1-OBW
			(Hz)	(Hz)
2.4G;BT-LE;1;1;1;2402;L;TN,VN	Pass	500k	655k	1.046M
2.4G;BT-LE;1;1;1;2440;M;TN,VN	Pass	500k	657.5k	1.039M
2.4G;BT-LE;1;1;1;2480;H;TN,VN	Pass	500k	663.75k	1.039M

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TEL: 886-3-327-3456 FAX: 886-3-327-0973 EBW Result
Appendix A



| Ch Freq | 2.48GHz | Span | 2.5MHz | RBW | 100Hz | The Color | Th

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 FAX: 886-3-327-0973



PowerPK Result

Appendix B

Summary

FAX: 886-3-327-0973

Mode	Sum	Sum	EIRP	EIRP
	(dBm)	(W)	(dBm)	(W)
2.4G;BT-LE;1;1;1	9.43	0.00877	10.27	0.01064

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PowerPK Result
Appendix B

Result

FAX: 886-3-327-0973

Mode	Result	DG	EIRP	EIRP Lim.	Sum	Sum Lim.	P1
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
2.4G;BT-LE;1;1;1;2402;L;TN,VN	Pass	0.84	10.27	36.00	9.43	30.00	9.43
2.4G;BT-LE;1;1;2440;M;TN,VN	Pass	0.84	9.21	36.00	8.37	30.00	8.37
2.4G;BT-LE;1;1;1;2480;H;TN,VN	Pass	0.84	9.52	36.00	8.68	30.00	8.68

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PowerAV Result
Appendix B

Summary

FAX: 886-3-327-0973

Mode	Sum	Sum	EIRP	EIRP
	(dBm)	(W)	(dBm)	(W)
2.4G;BT-LE;1;1;1	8.67	0.00736	9.51	0.00893

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PowerAV Result
Appendix B

Result

Mode	Result	DG	EIRP	EIRP Lim.	Sum	Sum Lim.	P1
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
2.4G;BT-LE;1;1;1;2402;L;TN,VN	Pass	0.84	9.51	36.00	8.67	30.00	8.67
2.4G;BT-LE;1;1;1;2440;M;TN,VN	Pass	0.84	8.42	36.00	7.58	30.00	7.58
2.4G;BT-LE;1;1;1;2480;H;TN,VN	Pass	0.84	8.74	36.00	7.90	30.00	7.90

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PSD Result
Appendix C

Summary

Mode	PD	EIRP.PD
	(dBm/RBW)	(dBm/RBW)
2.4G;BT-LE;1;1;1	-6.59	-5.75

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PSD Result
Appendix C

Result

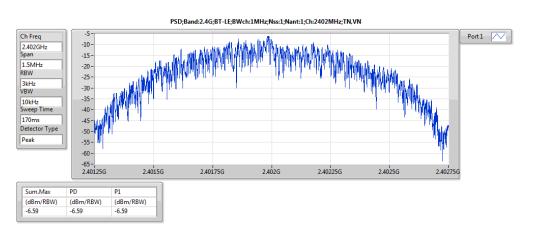
Mode	Result	Meas.RBW	Lim.RBW	BWCF	DG	Sum.Max	PD	PD.Limit	EIRP.PD	EIRP.PD.Li m	P1
		(Hz)	(Hz)	(dB)	(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.4G;BT-LE;1;1;1;2402;L;TN,VN	Pass	3k	3k	0.00	0.84	-6.59	-6.59	8.00	-5.75	Inf	-6.59
2.4G;BT-LE;1;1;1;2440;M;TN,VN	Pass	3k	3k	0.00	0.84	-7.41	-7.41	8.00	-6.57	Inf	-7.41
2.4G;BT-LE;1;1;1;2480;H;TN,VN	Pass	3k	3k	0.00	0.84	-7.00	-7.00	8.00	-6.16	Inf	-7.00

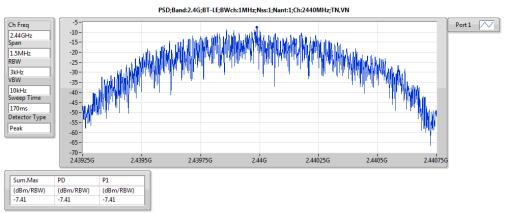
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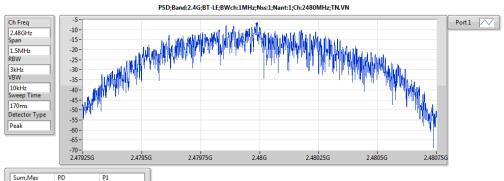
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PSD Result
Appendix C







Sum.Max	PD	P1	
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	
-7.00	-7.00	-7.00	

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Transmitter Radiated Bandedge Emissions

Appendix D

	24	400-2483.5N	Hz Transmitter	Radiated Band	ledge Emission	s (Non-restricte	d Band)	
Modulation	N _{TX}	Test Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] - [o] (dB)	Limit (dB)	Pol.
LE-1Mbps	1	2402	102.91	2399.964	45.94	56.97	20	Н
LE-1Mbps	1	2480	101.92	2502.880	41.75	60.17	20	Н

Note 1: Measurement worst emissions of receive antenna polarization. Note 2: Setting: RBW=100kHz; VBW =300kHz.

		2400-2483.	5MHz Trans	mitter Radi	ated Bande	dge Emissio	ons (Restric	ted Band)		
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
LE-1Mbps	1	2402	3	2388.744	51.22	74	2387.928	41.38	54	Н
LE-1Mbps	1	2480	3	2484.480	53.27	74	2485.760	43.05	54	Н

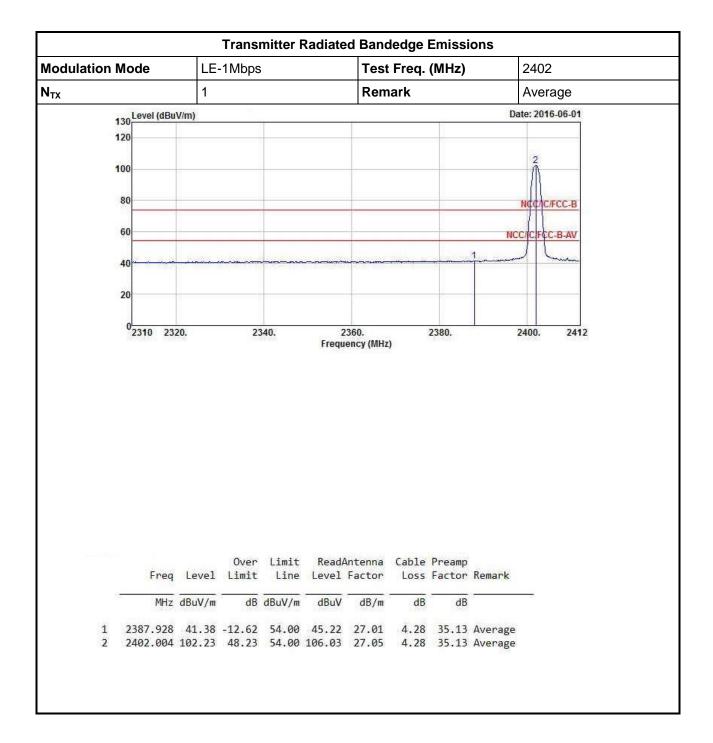
Note 1: Measurement worst emissions of receive antenna polarization.

Note 2: Peak emission setting: RBW=1MHz; VBW =3MHz.

Note 3: 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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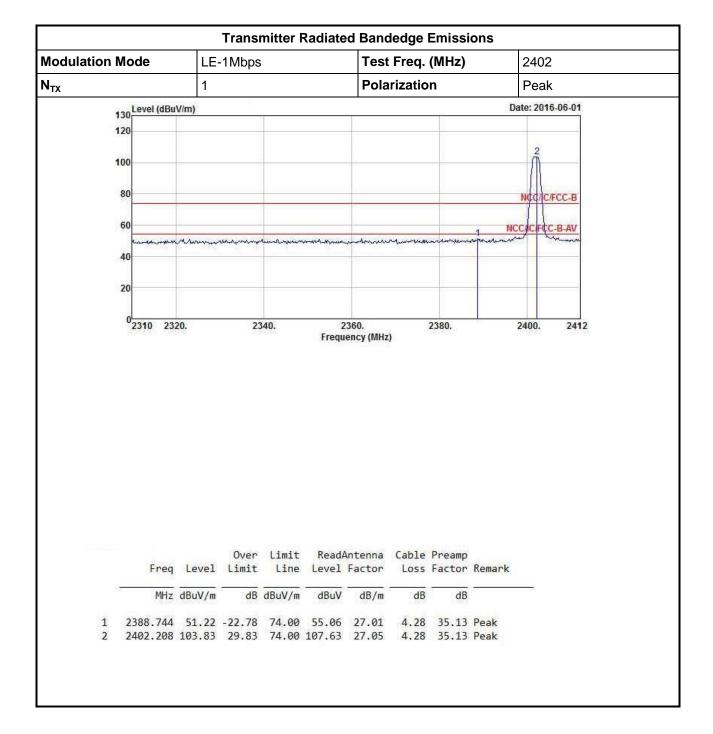


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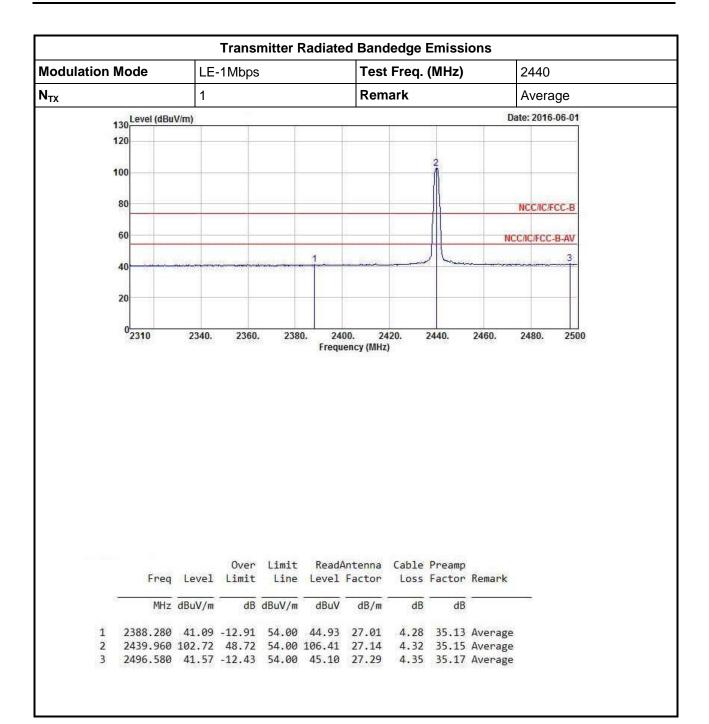
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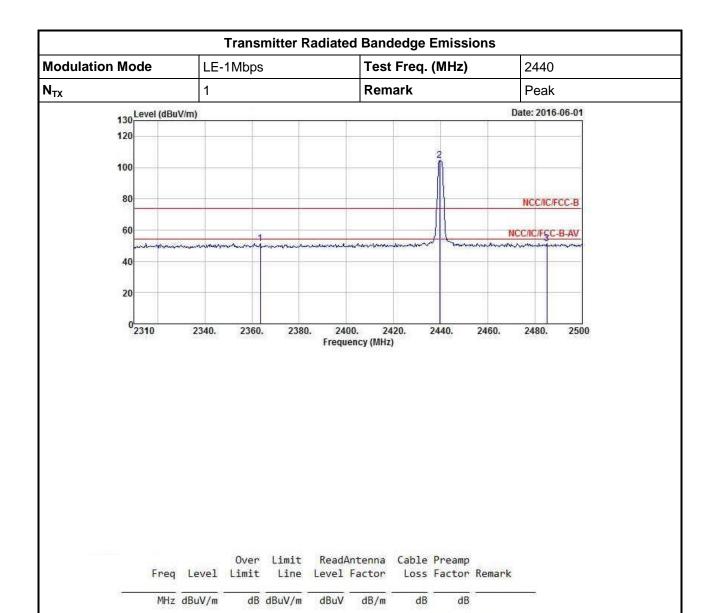


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Transmitter Radiated Bandedge Emissions

Appendix D



4.25 35.12 Peak

4.32 35.15 Peak

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2363.580 51.47 -22.53 74.00 55.39 26.95

2439.580 104.35 30.35 74.00 108.04 27.14

3 2485.180 51.27 -22.73 74.00 54.82 27.26 4.35 35.16 Peak

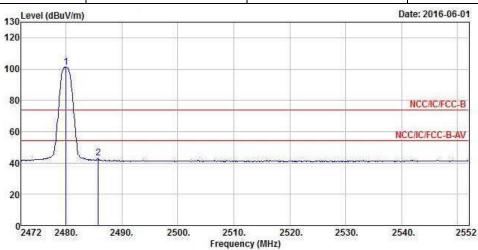
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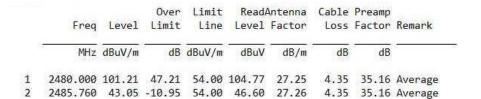
1

2



	Transmitter Radiated	Bandedge Emissions	
Modulation Mode	LE-1Mbps	Test Freq. (MHz)	2480
N_{TX}	1	Remark	Average





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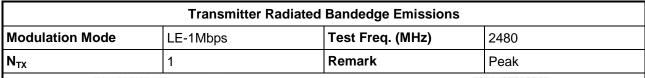
Report Version

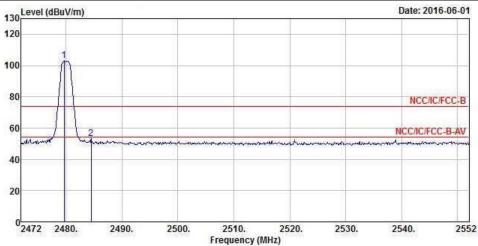
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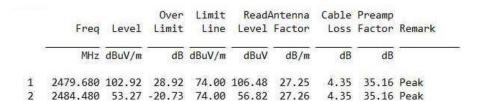


Transmitter Radiated Bandedge Emissions

Appendix D



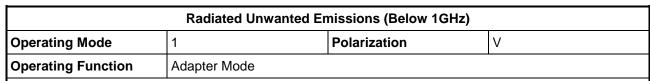


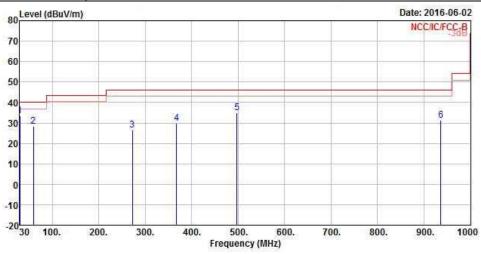


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Transmitter Radiated Unwanted Emissions (Below 1GHz)





	Freq	Level	Over Limit	7 (10)		Antenna Factor		Preamp Factor	
2	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	9
1	30.000	33.36	-6.64	40.00	45.56	24.90	0.32	37.42	Peak
2	59.100	28.48	-11.52	40.00	53.85	11.28	0.47	37.12	Peak
3	272.500	26.48	-19.52	46.00	43.41	18.55	0.92	36.40	Peak
4	367.560	29.67	-16.33	46.00	44.45	20.72	1.07	36.57	Peak
4 5	497.540	34.90	-11.10	46.00	47.32	23.26	1.29	36.97	Peak
6	935.980	31.29	-14.71	46.00	37.37	29.62	1.83	37.53	Peak

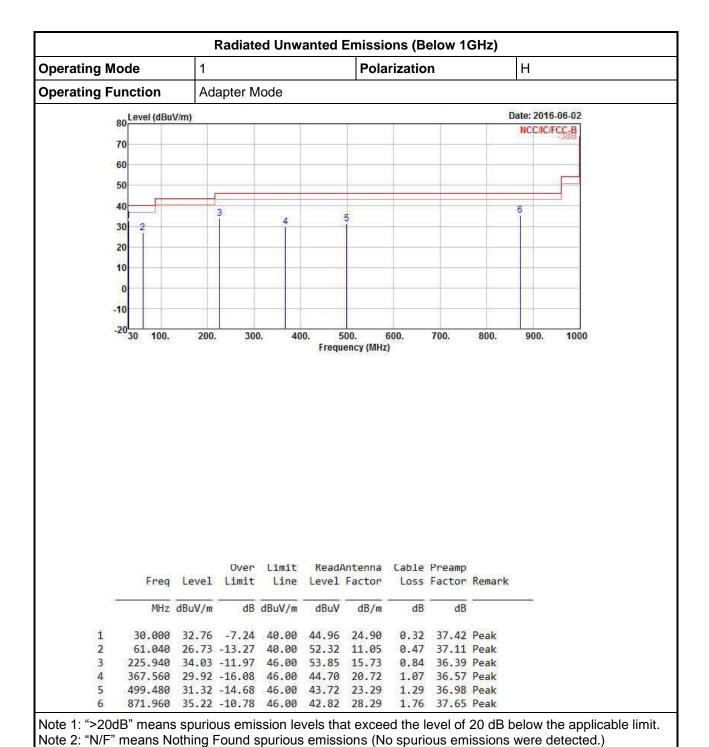
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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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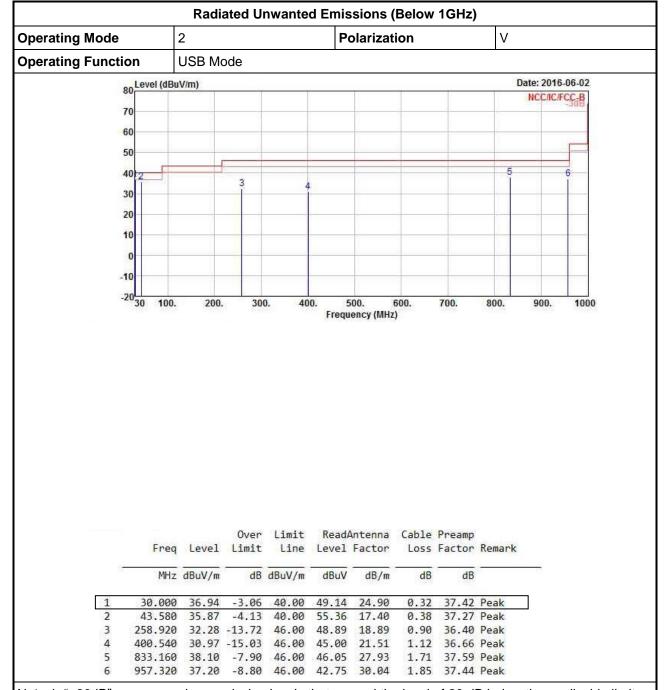




Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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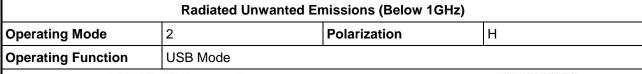
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

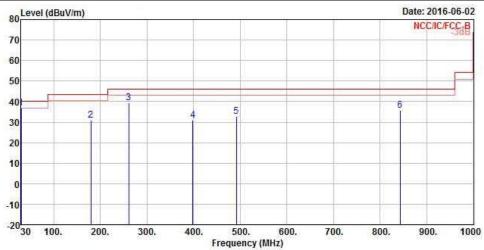
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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			0ver	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
83	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	12
1	30.000	36.81	-3.19	40.00	49.01	24.90	0.32	37.42	Peak
2	179.380	30.92	-12.58	43.50	52.10	14.54	0.76	36.48	Peak
3	260.860	39.51	-6.49	46.00	56.04	18.97	0.90	36.40	Peak
4	398.600	30.95	-15.05	46.00	45.02	21.47	1.12	36.66	Peak
5	491.720	32.60	-13.40	46.00	45.12	23.15	1.28	36.95	Peak
6	842.860	35.59	-10.41	46.00	43.38	28.09	1.72	37.60	Peak

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

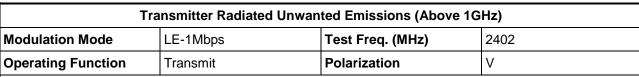
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

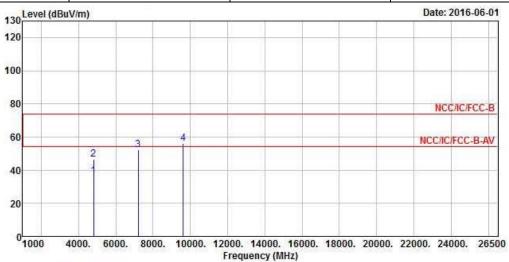
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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Transmitter Radiated Unwanted Emissions (Above 1GHz)



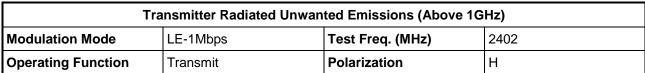


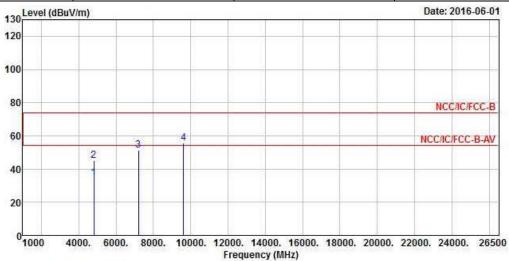
Freq	Level	115105554						
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
4804.000	36.27	-17.73	54.00	34.19	31.13	6.11	35.16	Average
4804.000	46.58	-27.42	74.00	44.50	31.13	6.11	35.16	Peak
7206.000	52.19			44.20	35.84	7.56	35.41	Peak
9608.000	56.13			44.67	38.66	8.75	35.95	Peak
	MHz 4804.000 4804.000 7206.000	MHz dBuV/m 4804.000 36.27 4804.000 46.58 7206.000 52.19	Freq Level Limit MHz dBuV/m dB 4804.000 36.27 -17.73 4804.000 46.58 -27.42 7206.000 52.19	Freq Level Limit Line MHz dBuV/m dB dBuV/m 4804.000 36.27 -17.73 54.00 4804.000 46.58 -27.42 74.00 7206.000 52.19	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV/m dBuV 4804.000 36.27 -17.73 54.00 34.19 4804.000 46.58 -27.42 74.00 44.50 7206.000 52.19 44.20	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 4804.000 36.27 -17.73 54.00 34.19 31.13 4804.000 46.58 -27.42 74.00 44.50 31.13 7206.000 52.19 44.20 35.84	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 4804.000 36.27 -17.73 54.00 34.19 31.13 6.11 4804.000 46.58 -27.42 74.00 44.50 31.13 6.11 7206.000 52.19 44.20 35.84 7.56	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 4804.000 36.27 -17.73 54.00 34.19 31.13 6.11 35.16 4804.000 46.58 -27.42 74.00 44.50 31.13 6.11 35.16 7206.000 52.19 44.20 35.84 7.56 35.41

- 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)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.83 dBuV/m).
- Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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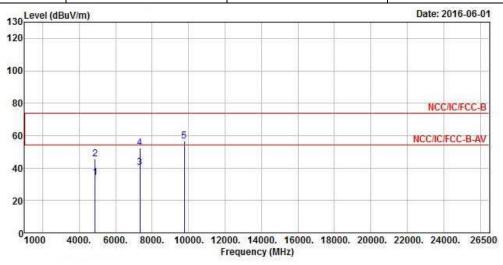
	Freq	Level	Over Limit	Limit Line		Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	4804.000	34.61	-19.39	54.00	32.53	31.13	6.11	35.16	Average
2	4804.000	44.93	-29.07	74.00	42.85	31.13	6.11	35.16	Peak
3	7206.000	51.45			43.46	35.84	7.56	35.41	Peak
4	9608.000	55.42			43.96	38.66	8.75	35.95	Peak

- 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)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.83dBuV/m).
- Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	LE-1Mbps	Test Freq. (MHz)	2440				
Operating Function	Transmit	Polarization	V				



	Freq	Level	Over Limit			Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	6
1	4880.000	34.10	-19.90	54.00	31.89	31.23	6.13	35.15	Average
2	4880.000	45.40	-28.60	74.00	43.19	31.23	6.13	35.15	Peak
3	7320.000	40.19	-13.81	54.00	31.88	36.13	7.60	35.42	Average
4	7320.000	52.06	-21.94	74.00	43.75	36.13	7.60	35.42	Peak
5	9760.000	56.53			44.79	38.76	8.94	35.96	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)

Note 4: 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.

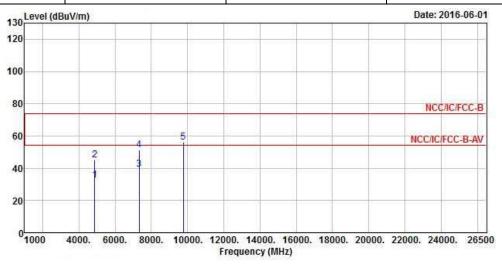
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.35 dBuV/m).

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	LE-1Mbps	Test Freq. (MHz)	2440				
Operating Function	Transmit	Polarization	Н				

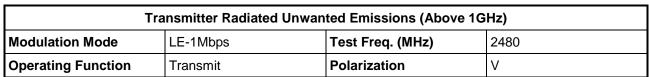


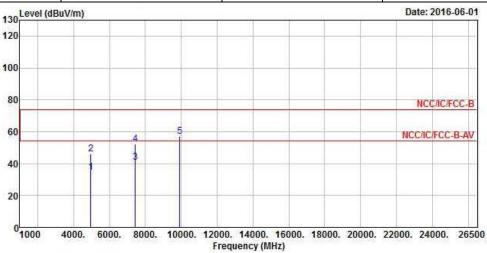
	Freq	Level	Over Limit			Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.000	32.44	-21.56	54.00	30.23	31.23	6.13	35.15	Average
2	4880.000	44.94	-29.06	74.00	42.73	31.23	6.13	35.15	Peak
3	7320.000	39.54	-14.46	54.00	31.23	36.13	7.60	35.42	Average
4	7320.000	51.56	-22.44	74.00	43.25	36.13	7.60	35.42	Peak
5	9760.000	56.10			44.36	38.76	8.94	35.96	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)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.35 dBuV/m).
- Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	3
1	4960.000	34.43	-19.57	54.00	32.05	31.34	6.19	35.15	Average
2	4960.000	46.12	-27.88	74.00	43.74	31.34	6.19	35.15	Peak
3	7440.000	40.75	-13.25	54.00	32.10	36.44	7.64	35.43	Average
4	7440.000	52.06	-21.94	74.00	43.41	36.44	7.64	35.43	Peak
5	9920.000	57.08			45.06	38.85	9.13	35.96	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)

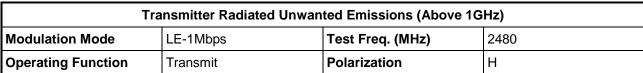
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

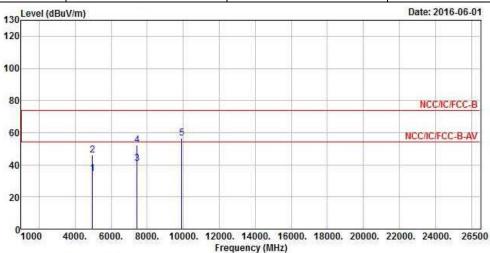
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least **20** dB relative to the maximum measured in-band level (102.92 dBuV/m).

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	4960.000	34.40	-19.60	54.00	32.02	31.34	6.19	35.15	Average
2	4960.000	46.07	-27.93	74.00	43.69	31.34	6.19	35.15	Peak
3	7440.000	40.65	-13.35	54.00	32.00	36.44	7.64	35.43	Average
4	7440.000	52.34	-21.66	74.00	43.69	36.44	7.64	35.43	Peak
5	9920.000	56.57			44.55	38.85	9.13	35.96	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)
- Note 4: 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 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (102.92dBuV/m).
- Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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