1GHz—25GHz Radiated emissison Test result											
EUT	: Bluetoo	oth earphon	e		M/N: N	/IDS-800X					
Pow	er: DC 5.	.0V From n	otebook								
Test	date: 20	15-01-07	Test site	: 3m Cł	namber	Tested by	y: Peter				
Test mode: 8- DQPSK Tx CH1 2402MHz											
Antenna polarity: Vertical											
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark		
1	4804	41.32	33.95	10.18	34.26	51.19	74	22.81	PK		
2	4804	30.71	33.95	10.18	34.26	40.58	54	13.42	AV		
3	7206	/									
4	9608	/									
5	12010	/									
Ante	enna Pola	rity: Horizo	ontal								
1	4804	40.96	33.95	10.18	34.26	50.83	74	23.17	PK		
2	4804	30.37	33.95	10.18	34.26	40.24	54	13.76	AV		
3	7206	/									
4	9608	/									
5	12010	/									
NT - 4											

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

	1GHz—25GHz Radiated emissison Test result											
EUT:	Bluetoot	h earphone		M	/N: MD	S-800X						
Powe	r: DC 5.0	V From not	tebook									
Test c	late: 2015	5-01-07	Test site:	3m Cha	mber	Tested by:	Peter					
Test r	node: 8- I	OQPSK Tx (CH40 244	1MHz		•						
Anten	na polari	ty: Vertical										
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark			
1	4882	41.13	33.93	10.2	34.29	50.97	74	23.03	PK			
2	4882	30.8	33.93	10.2	34.29	40.64	54	13.36	AV			
3	7323	/										
4	9764	/										
5	12205	/										
Anten	na Polari	ty: Horizon	tal		•							
1	4882	41.31	33.93	10.2	34.29	51.15	74	22.85	PK			
2	4882	30.92	33.93	10.2	34.29	40.76	54	13.24	AV			
3	7323	/										
4	9764	/										
5	12205	/										
NT - 4												

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

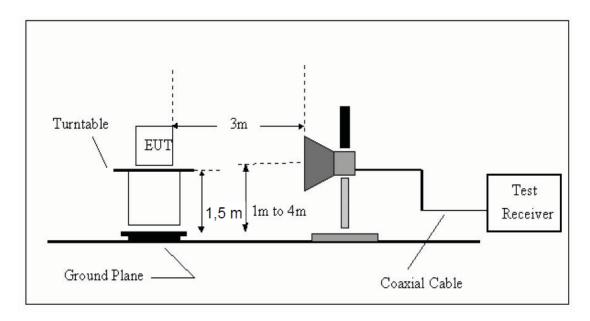
Report No.: T1851618 01

	1GHz—25GHz Radiated emissison Test result										
EU	Γ: Blueto	oth earphon	ie	M/	N: MD	S-800X					
Pow	ver: DC	5.0V From	notebool	ζ.							
Test	t date: 20	15-01-07	Test site	e: 3m C	hamber	Tested by	y: Peter				
Test	t mode: 8	- DQPSK	Гх СН79	2480M	Hz						
Ant	enna pola	rity: Vertic	al								
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark		
1	4960	41.11	33.98	10.22	34.25	51.06	74	22.94	PK		
2	4960	32.33	33.98	10.22	34.25	42.28	54	11.72	AV		
3	7440	/									
4	9920	/									
5	12400	/									
Ant	enna Pola	arity: Horizo	ontal								
1	4960	41.43	33.98	10.22	34.25	51.38	74	22.62	PK		
2	4960	30.8	33.98	10.22	34.25	40.75	54	13.25	AV		
3	7440	/									
4	9920	/									
5	12400	/									
N.T. 4											

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

9. Band Edge Compliance

9.1. Block Diagram of Test Setup



9.2. Limit

All the lower and upper band-edges emissions appearing within restricted frequency bands shall not exceed the limits shown in FCC PART 15, all the other emissions outside operation shall be at least 20dB below the fundamental emissions, or comply with FCC PART 15 limits.

9.3. Test Procedure

All restriction band and non- restriction band have been tested , only worse case is reported.

9.4. Test Result

PASS. (See below detailed test data)

Radiated Method

GFSK (CH Low)

Band Edge Test result										
EUT: Multifu	nction Reb	ar Detecto	or		M/N: ZE	BL-R800				
Power: DC 8.	4V from ad	lapter								
Test date: 201	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter				
Test mode: T	x CH Low 2	2402MHz	Z							
Antenna pola	rity: Vertica	al								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark		
2390	42.3	27.62	3.92	34.97	38.87	74	35.13	PK		
2390		27.62	3.92	34.97		54		AV		
2400	41.63	27.62	3.94	34.97	38.22	74	35.78	PK		
2400		27.62	3.94	34.97		54		AV		
Antenna Pola	rity: Horizo	ontal								
2390	41.79	27.62	3.92	34.97	38.36	74	35.64	PK		
2390		27.62	3.92	34.97		54		AV		
2400	42	27.62	3.94	34.97	38.59	74	35.41	PK		
2400		27.62	3.94	34.97		54		AV		
Note:							· · · · · · · · · · · · · · · · · · ·			

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

GFSK (CH High)

			Band Ed	dge Test	result			
EUT: Multifu	unction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8	.4V from ac	lapter						
Test date: 20	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode: T	x CH High	2480MH	Z					
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	41.63	27.89	4	34.97	38.55	74	35.45	PK
2483.5						54		AV
Antenna Pola	rity: Horizo	ntal	•	•				
2483.5	41.82	27.89	4	34.97	38.74	74	35.26	PK
2483.5						54		AV
Nata								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

GFSK (Hopping Low)

			Band Ed	lge Test	result			
EUT: Multifu	nction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8.	4V from ad	lapter						
Test date: 201	15-11-12	Test site	: 3m Cł	namber	Tested by	: Peter		
Test mode: T	X							
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)		Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	40.63	27.62	3.92	34.97	37.2	74	36.8	PK
2390		27.62	3.92	34.97		54		AV
Antenna Pola	rity: Horizo	ontal						
2390	41.58	27.62	3.92	34.97	38.15	74	35.85	PK
2390		27.62	3.92	34.97		54		AV

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

GFSK (Hopping High)

			Band Ed	lge Test	result			
EUT: Multifu	nction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8.	4V from ad	lapter						
Test date: 201	15-11-12	Test site	: 3m Cł	namber	Tested by	: Peter		
Test mode: T	X							
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)		Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	41.1	27.89	4	34.97	38.02	74	35.98	PK
2483.5						54		AV
Antenna Pola	rity: Horizo	ntal						
2483.5	41.32	27.89	4	34.97	38.24	74	35.76	PK
2483.5						54		AV
NT.								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

$\pi/4$ DQPSK (CH Low)

			Band Ed	dge Test	result			
EUT: Multifu	nction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8.	4V from ad	lapter						
Test date: 201	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode: T	x CH Low 2	2402MHz	Z					
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)		Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	41.4	27.62	3.92	34.97	37.97	74	36.03	PK
2390		27.62	3.92	34.97		54		AV
Antenna Pola	rity: Horizo	ntal					I	
2390	41.72	27.62	3.92	34.97	38.29	74	35.71	PK
2390		27.62	3.92	34.97		54		AV
Note:								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

π /4 DQPSK (CH High)

Power: DC 8.4V from adapter Test date: 2015-11-12 Test site: 3m Chamber Tested by: Peter Test mode: Tx CH High 2480MHz				Duna B	780 1 000	1 4 5 6 6 1 1			
Test date: 2015-11-12 Test site: 3m Chamber Tested by: Peter Test mode: Tx CH High 2480MHz Antenna polarity: Vertical Freq (MHz) Read Level (dBuV/m) Antenna loss(d (dB) Amp Factor (dBuV/m) Result (dBuV/m) Limit (dBuV/m) Margin (dB) Remark 2483.5 40.81 27.89 4 34.97 37.73 74 36.27 PK	EUT: Multifu	ınction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Test mode: Tx CH High 2480MHz Antenna polarity: Vertical Read Antenna Cable Amp Result (dBuV/m) (dB/m) B) (dB) (dBuV/m) (dBuV/m) (dB) Remark (dBuV/m) (dB) (d	Power: DC 8.	.4V from ac	lapter						
Antenna polarity: Vertical Freq (MHz) Read (dBuV/m) Antenna Polarity: Vertical Cable loss(d (dB) Pactor (dB) (dB) Amp Factor (dBuV/m) Result (dBuV/m) Limit (dBuV/m) Margin (dB) Remark 2483.5 40.81 27.89 4 34.97 37.73 74 36.27 PK	Test date: 20	15-11-12	Test site	: 3m Cł	namber	Tested by	: Peter		
Freq (MHz) Read (Antenna (MHz)) Antenna (Antenna (Ante	Test mode: T	x CH High	2480MH	Z					
Freq (MHz) Level (dBuV/m) Factor (dB/m) loss(d B/m) Factor (dB) Result (dBuV/m) Limit (dBuV/m) Margin (dB) Remark 2483.5 40.81 27.89 4 34.97 37.73 74 36.27 PK	Antenna pola	rity: Vertica	al						
	_	Level	Factor	loss(d	Factor				Remark
2483.5 54 AV	2483.5	40.81	27.89	4	34.97	37.73	74	36.27	PK
	2483.5						54		AV
Antenna Polarity: Horizontal	Antenna Pola	ırity: Horizo	ntal						
2483.5 41.25 27.89 4 34.97 38.17 74 35.83 PK	2483.5	41.25	27.89	4	34.97	38.17	74	35.83	PK
2483.5 54 AV	2483.5						54		AV
Nata.	Note:								

Band Edge Test result

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

π /4 DQPSK (Hopping Low)

			Band Ed	dge Test	result			
EUT: Multifu	ınction Reb	ar Detecto	or		M/N: ZE	BL-R800		
Power: DC 8.	.4V from ac	lapter						
Test date: 201	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode:								
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	41.4	27.62	3.92	34.97	37.97	74	36.03	PK
2390		27.62	3.92	34.97		54		AV
Antenna Pola	rity: Horizo	ontal						
2390	41.36	27.62	3.92	34.97	37.93	74	36.07	PK
2390		27.62	3.92	34.97		54		AV
N.T.								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

 π /4 DQPSK (Hopping High)

			Band Ed	dge Test	result			
EUT: Multifu	unction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8	.4V from ac	lapter						
Test date: 20	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode: T	Ϋ́X							
Antenna pola	rity: Vertica	al						
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	40.65	27.89	4	34.97	37.57	74	36.43	PK
2483.5						54		AV
Antenna Pola	l arity: Horizo	ntal						
2483.5	41.9	27.89	4	34.97	38.82	74	35.18	PK
2483.5						54		AV
Notes								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

8- DPSK (CH Low)

Band Edge Test result											
EUT: Multifu	nction Reb	ar Detecto	or		M/N: ZE	3L-R800					
Power: DC 8.	4V from ad	lapter									
Test date: 201	15-11-12	Test site	: 3m Cł	namber	Tested by	: Peter					
Test mode: T	x CH Low 2	2402MHz	7								
Antenna pola	rity: Vertica	al									
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark			
2390	41.58	27.62	3.92	34.97	38.15	74	35.85	PK			
2390		27.62	3.92	34.97		54		AV			
Antenna Pola	rity: Horizo	ontal									
2390	41.79	27.62	3.92	34.97	38.36	74	35.64	PK			
2390		27.62	3.92	34.97		54		AV			

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

8- DPSK (CH High)

			Band Ed	dge Test	result				
EUT: Multifunction Rebar Detector M/N: ZBL-R800									
Power: DC 8.	.4V from ad	lapter							
Test date: 20	15-11-12	Test site	: 3m Cł	namber	Tested by	: Peter			
Test mode: T	x CH High	2480MH	Z						
Antenna pola	rity: Vertica	al							
Freq Level Factor loss(d Factor (dBuV/m) (dB/m) B) Result (dBuV/m) Result (dBuV/m)								Remark	
2483.5	40.63	27.89	4	34.97	37.55	74	36.45	PK	
2483.5						54		AV	
Antenna Pola	rity: Horizo	ntal							
2483.5	41.98	27.89	4	34.97	38.9	74	35.1	PK	
2483.5						54		AV	
Nicker									

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

8- DPSK (Hopping Low)

			Band Ed	dge Test	result			
EUT: Multifu	ınction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8	.4V from ac	lapter						
Test date: 20	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode: T	X							
Antenna pola	rity: Vertica	al						
Freq Level Factor (dBuV/m) (dB/m) B) Result (dBuV/m) Limit (dBuV/m) Result (dB								
2390	41.3	27.62	3.92	34.97	37.87	74	36.13	PK
2390		27.62	3.92	34.97		54		AV
Antenna Pola	rity: Horizo	ntal	•	•				
2390	41.83	27.62	3.92	34.97	38.4	74	35.6	PK
2390		27.62	3.92	34.97		54		AV
Notes								

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

8- DPSK (Hopping High)

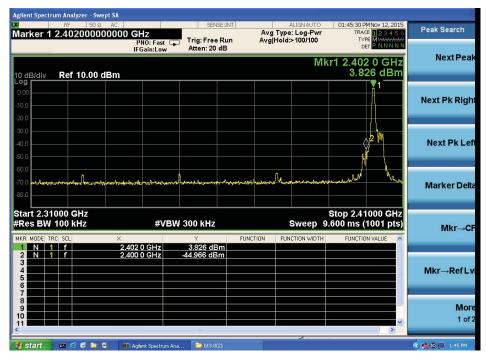
			Band Ed	dge Test	result			
EUT: Multifu	unction Reb	ar Detecto	or		M/N: ZE	3L-R800		
Power: DC 8	.4V from ac	lapter						
Test date: 20	15-11-12	Test site	: 3m Cl	namber	Tested by	: Peter		
Test mode: T	Ϋ́X							
Antenna pola	rity: Vertica	al						
Freq Level Factor (dBuV/m) (dB/m) B) Result (dBuV/m) Limit (dBuV/m) Hargin (dBuV/m) Result (dBuV/m) (dB) Result (dBuV/m) Resul								
2483.5	40.72	27.89	4	34.97	37.64	74	36.36	PK
2483.5						54		AV
Antenna Pola	 arity: Horizo	 ontal						
2483.5	41.43	27.89	4	34.97	38.35	74	35.65	PK
2483.5						54		AV
NT - 4								

Rand Edge Test result

- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

Conducted Method GFSK

CH LOW:

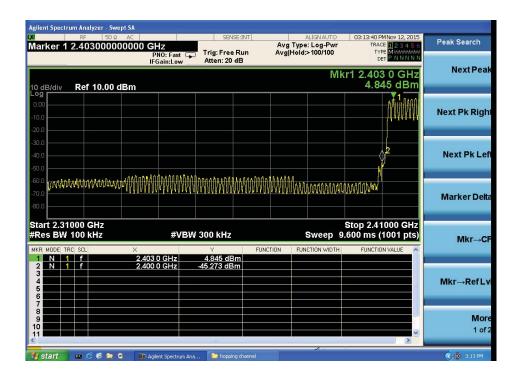


CH High:



Hopping

Low

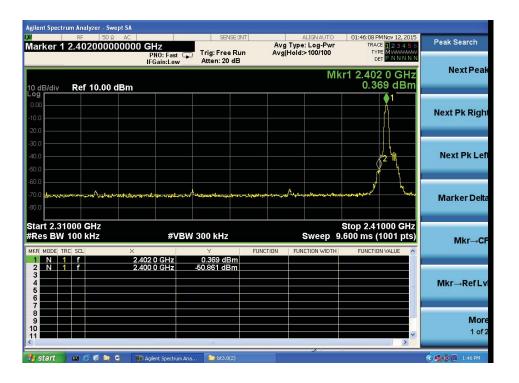


High



π /4 DQPSK

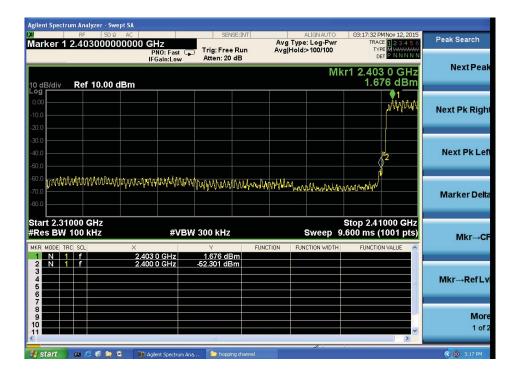
Low



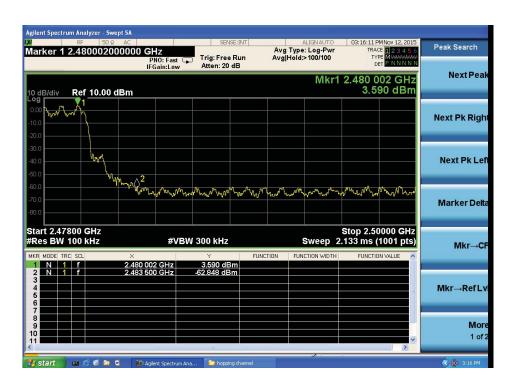
High



Hopping Low

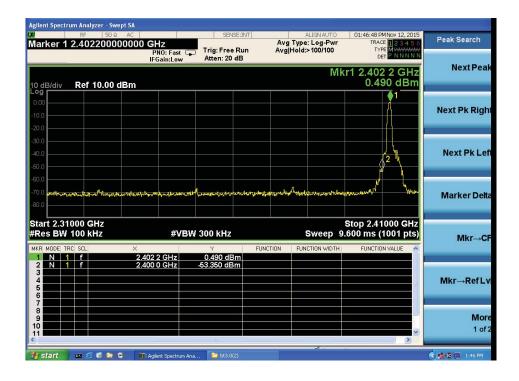


High



8- DPSK:

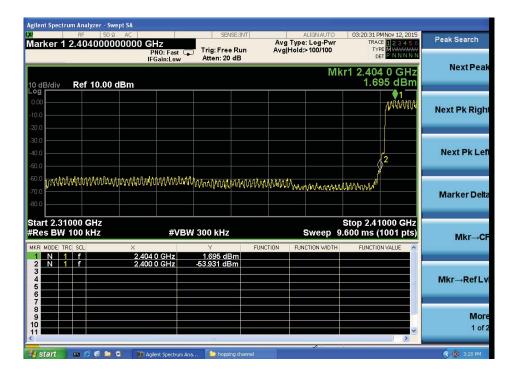
Low



High



Hopping Low

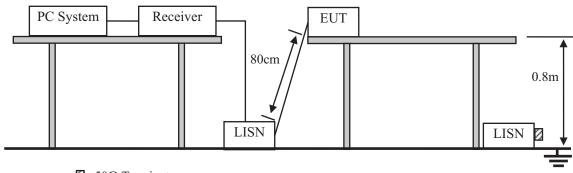


High



10. Power Line Conducted Emissions

10.1.Block Diagram of Test Setup



 \mathbf{Z} :50 Ω Terminator

10.2.Limit

	Maximum RF Line Voltage					
Frequency	Quasi-Peak Level	Average Level				
	$dB(\mu V)$	$dB(\mu V)$				
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*				
500kHz ~ 5MHz	56	46				
5MHz ~ 30MHz	60	50				

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

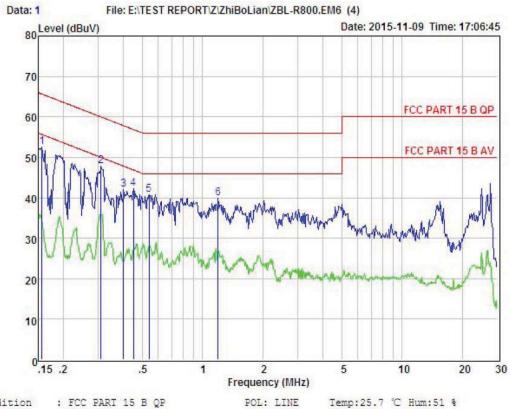
10.3. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

10.4.Test Result

Pass

Please refer to the following page.



Condition : FCC PART 15 B QP

EUI

Model No

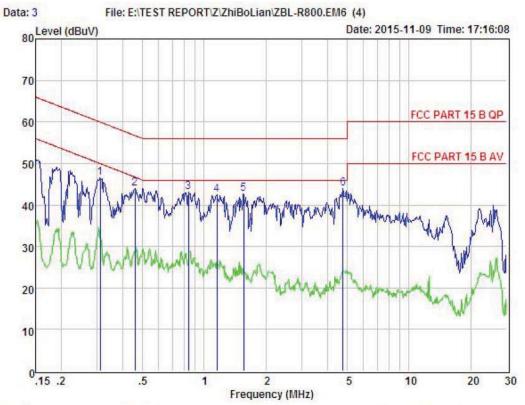
Test Mode

: : ZBL-R800 : : DC 8.4V from Adapter with AC 120V/60Hz Power

Test Engineer: Remark

Iter	n Freq	Read	AUX Factor	LISN Factor	Cable Lose	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
				THE PARTY OF					
1	0.156	42.97	0.03	9.52	0.10	52.62	65.65	-13.03	Peak
2	0.310	38.18	0.03	9.56	0.10	47.87	59.97	-12.10	Peak
3	0.401	32.25	0.03	9.57	0.10	41.95	57.82	-15.87	Peak
4	0.450	32.51	0.03	9.57	0.10	42.21	56.88	-14.67	Peak
5	0.539	31.13	0.03	9.58	0.10	40.84	56.00	-15.16	Peak
6	1.197	30.11	0.04	9.65	0.10	39.90	56.00	-16.10	Peak

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss



Condition : FCC PART 15 B QP

FOL: NEUTRAL Temp:25.7 °C Hum:51 %

EUT

Model No : ZBL-R800

Test Mode :

: DC 8.4V from Adapter with AC 120V/60Hz Power

Test Engineer: Remark

Item	Freq	Read	AUX Factor	LISN Factor	Cable Lose	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	0.310	36.78	0.03	9.56	0.10	46.47	59.97	-13.50	Peak
2	0.460	34.30	0.03	9.58	0.10	44.01	56.69	-12.68	Peak
3	0.839	33.47	0.04	9.60	0.10	43.21	56.00	-12.79	Peak
4	1.152	32.61	0.04	9.65	0.10	42.40	56.00	-13.60	Peak
5	1.556	32.85	0.05	9.69	0.10	42.69	56.00	-13.31	Peak
6	4.772	33.88	0.10	9.91	0.12	44.01	56.00	-11.99	Peak

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

11. Antenna Requirements

11.1.Limit

For intentional device, according to FCC PART 15, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC PART 15, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2.Result

The antennas used for this product are PCB Antenna for Bluetooth, no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0dBi.

12. Test setup photo

12.1.Photos of Radiated emission





12.2.Photos of Conducted Emission test



13. Photos of EUT









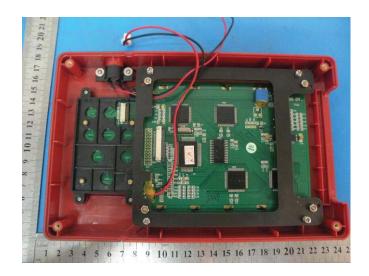




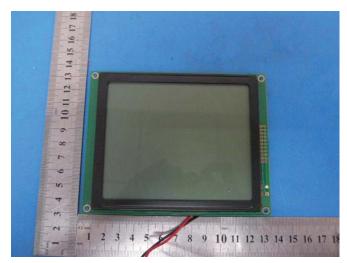


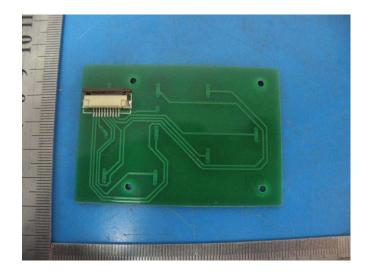


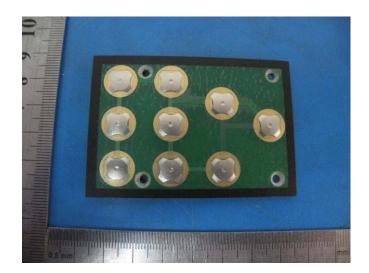




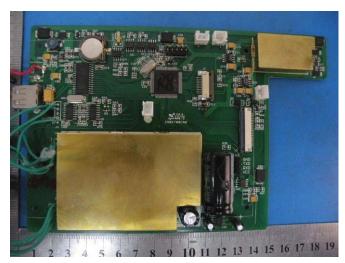




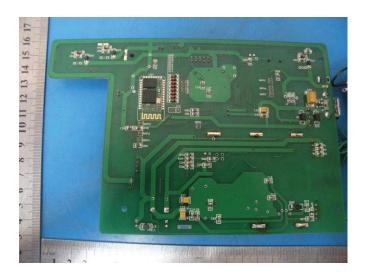












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