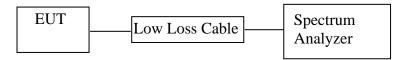


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11.BAND EDGE COMPLIANCE TEST

11.1.Block Diagram of Test Setup



(EUT: Active Floorstanding Loudspeaker System)

11.2. The Requirement For Section 15.247(d)

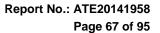
Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

11.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4. Operating Condition of EUT

- 11.4.1. Setup the EUT and simulator as shown as Section 11.1.
- 11.4.2. Turn on the power of all equipment.
- 11.4.3.Let the EUT work in TX (Hopping off, Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.





11.5.Test Procedure

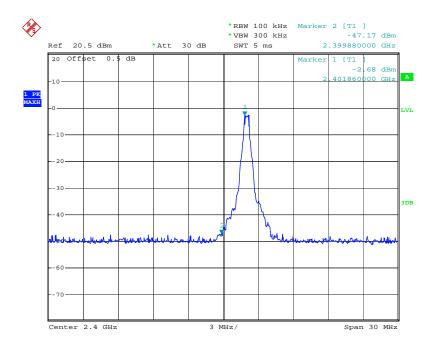
- 11.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- 11.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz with convenient frequency span including 100 kHz bandwidth from band edge.
- 11.5.3. The band edges was measured and recorded.

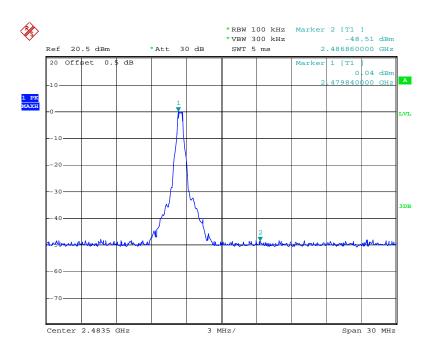
11.6.Test Result

Frequency	Result of Band Edge	Limit of Band Edge
(MHz)	(dBc)	(dBc)
	GFSK	
2399.880	44.49	> 20dBc
2486.860	48.55	> 20dBc
	∏/4-DQPSK Mode	
2399.520	44.06	> 20dBc
2490.400	46.58	> 20dBc
	8DPSK	
2398.920	43.27	> 20dBc
2485.300	46.71	> 20dBc



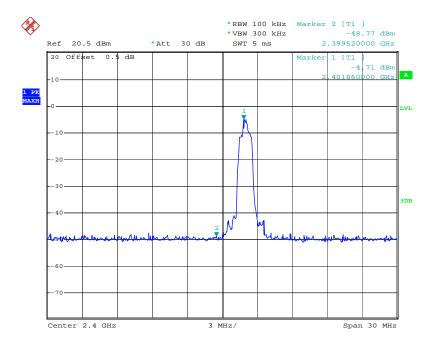
GFSK

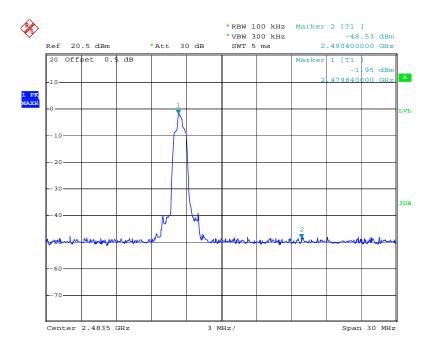






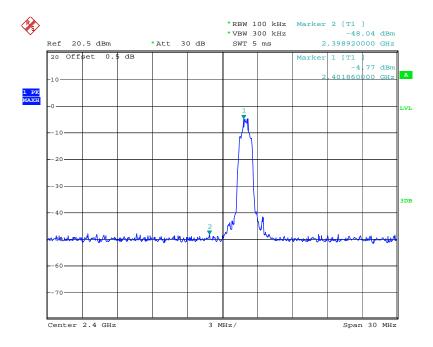
$\Pi/4$ -DQPSK Mode

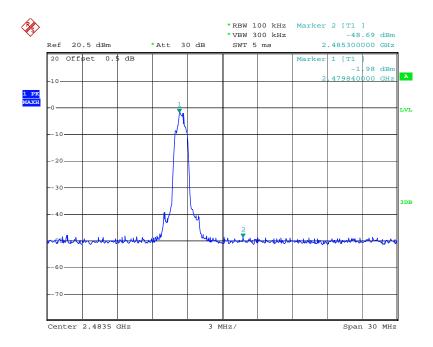






8DPSK







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Radiated Band Edge Result

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

3. Display the measurement of peak values.

Test Procedure:

The EUT and its simulators are placed on a turntable, which is 0.1 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

Let the EUT work in TX (Hopping off, Hopping on) modes measure it. We select 2402MHz, 2480MHz TX frequency to transmit(Hopping off mode). We select 2402-2480MHz TX frequency to transmit(Hopping on mode).

During the radiated emission test, the spectrum analyzer was set with the following configurations:

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above
- 3.All modes of operation were investigated and the worst-case emissions are reported.



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Site: 2# Chamber

Tel:+86-0755-26503290

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Non-hopping mode



Job No.: Ricky #182

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Polarization: Horizontal

Standard: FCC 15C PK Power Source: AC 120V/60Hz

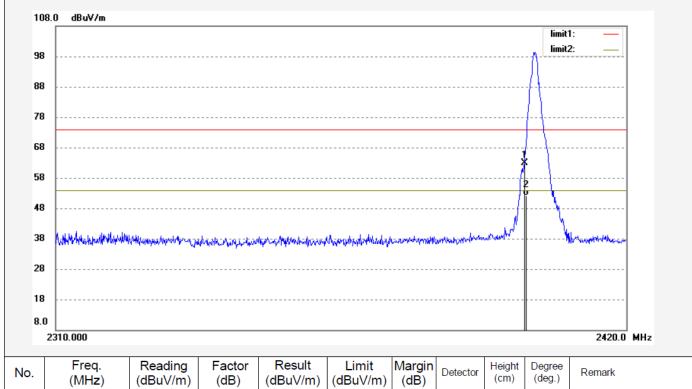
Test item: Radiation Test Date: 14/10/10/
Temp.(C)/Hum.(%) 23 C / 49 % Time: 12/48/42

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2402MHz(GFSK) Distance: 3m

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	70.45	-7.46	62.99	74.00	-11.01	peak			
2	2400.000	59.69	-7.46	52.23	54.00	-1.77	Peak			





Job No.: Ricky #181

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Polarization: Vertical

Power Source: AC 120V/60Hz

Report No.: ATE20141958

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

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Date: 14/10/10/ Time: 12/46/01

Engineer Signature: Ricky

Distance: 3m

Standard: FCC 15C PK

Test item: Radiation Test

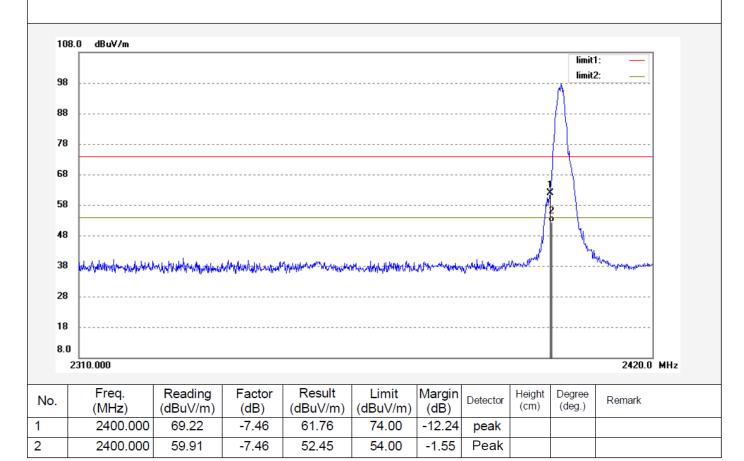
Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

Mode: TX 2402MHz(GFSK)

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958





B

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Job No.: Ricky #183 Standard: FCC 15C PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

Mode: TX 2480MHz(GFSK)

Model: EXAT21-BK
Manufacturer: 3SIXTY

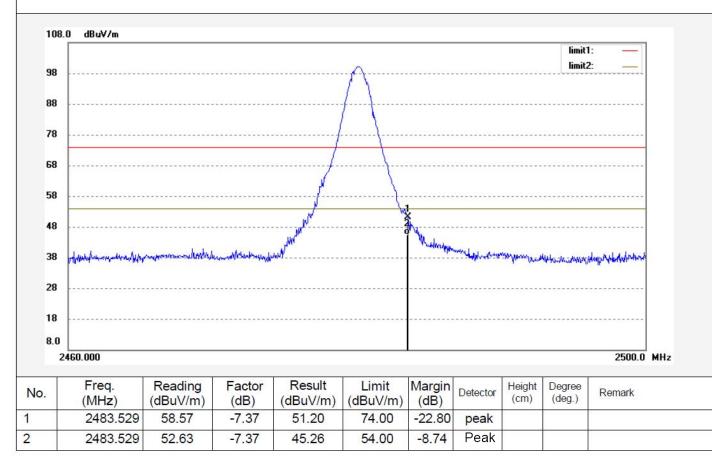
Note: Report No.:ATE20141958

Polarization: Horizontal
Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 12/50/11

Engineer Signature: Ricky

Distance: 3m







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Job No.: Ricky #184

Standard: FCC 15C PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

Mode: TX 2480MHz(GFSK)

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958

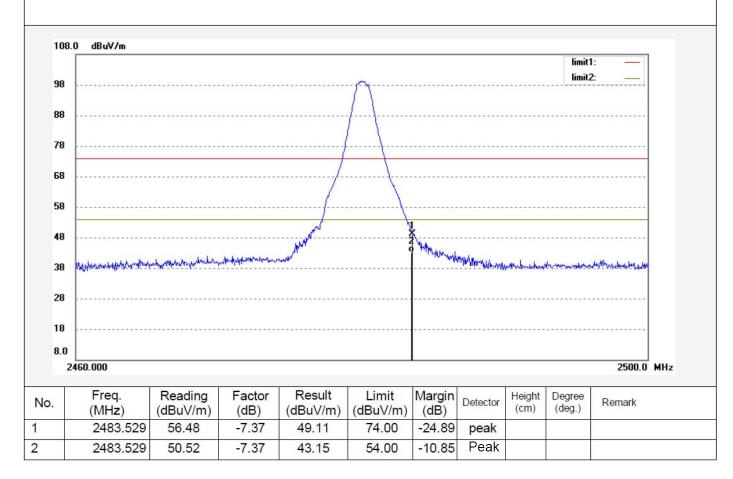
Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 12/54/15

Engineer Signature: Ricky

Distance: 3m







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Job No.: Ricky #185 Polarization: Vertical

Standard: FCC 15C PK Power Source: AC 120V/60Hz

 Test item:
 Radiation Test
 Date: 14/10/10/

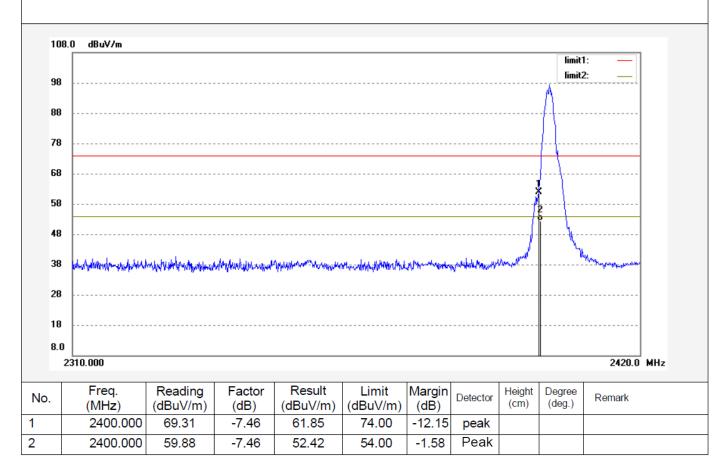
 Temp.(C)/Hum.(%)
 23 C / 49 %
 Time: 12/56/01

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2402MHz(PI/4DQPSK) Distance: 3n

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



Note: Average measurement with peak detection at No.2





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Report No.: ATE20141958

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Job No.: Ricky #186 Polarization: Standard: FCC 15C PK

Test item: Radiation Test Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

TX 2402MHz(PI/4DQPSK) Mode:

Model: EXAT21-BK Manufacturer: 3SIXTY

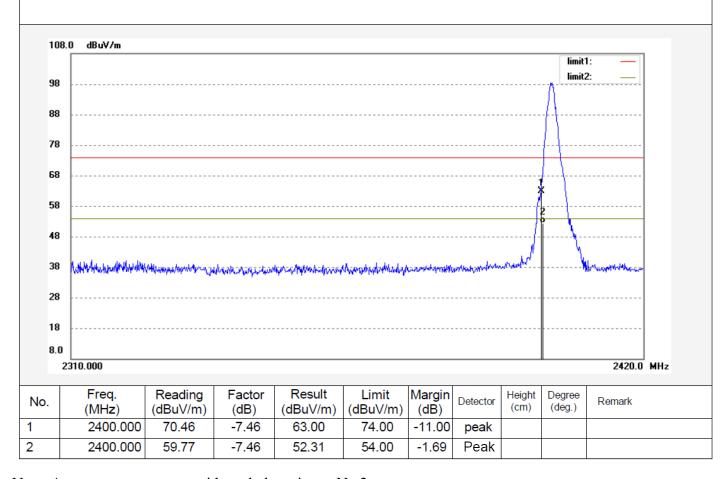
Note: Report No.:ATE20141958 Horizontal

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 12/57/18

Engineer Signature: Ricky

Distance: 3m







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Job No.: Ricky #187 Polarization: Horizontal Standard: FCC 15C PK

Test item: Radiation Test Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

Mode: TX 2480MHz(PI/4DQPSK)

Model: EXAT21-BK Manufacturer: 3SIXTY

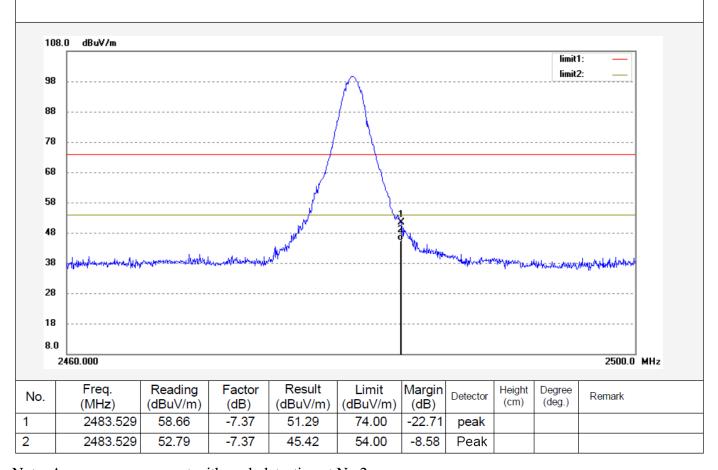
Report No.:ATE20141958 Note:

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 12/59/22

Engineer Signature: Ricky

Distance: 3m



Note: Average measurement with peak detection at No.2





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Report No.: ATE20141958

Site: 2# Chamber

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Job No.: Ricky #188 Polarization: Vertical

Standard: FCC 15C PK Power Source: AC 120V/60Hz

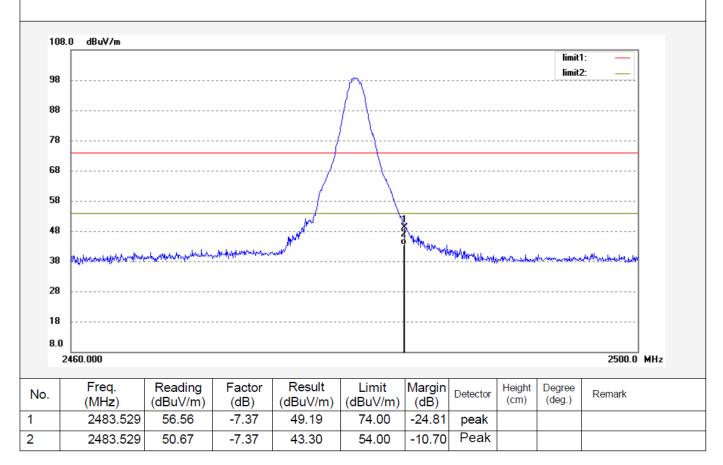
Test item: Radiation Test Date: 14/10/10/
Temp.(C)/Hum.(%) 23 C / 49 % Time: 13/01/20

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2480MHz(PI/4DQPSK) Distance: 3m

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



Note: Average measurement with peak detection at No.2





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Job No.: Ricky #189 Polarization: Vertical

Standard: FCC 15C PK Power Source: AC 120V/60Hz

 Test item:
 Radiation Test
 Date: 14/10/10/

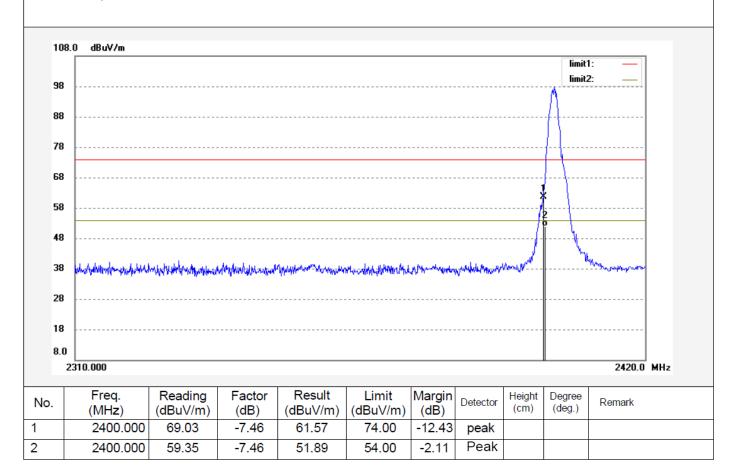
 Temp.(C)/Hum.(%)
 23 C / 49 %
 Time: 13/03/35

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2402MHz(8QPSK) Distance: 3m

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



Note: Average measurement with peak detection at No.2





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Job No.: Ricky #190 Standard: FCC 15C PK Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 49 %

EUT: Active Floorstanding Loudspeaker System

Mode: TX 2402MHz(8QPSK)

Model: EXAT21-BK Manufacturer: 3SIXTY

Report No.:ATE20141958 Note:

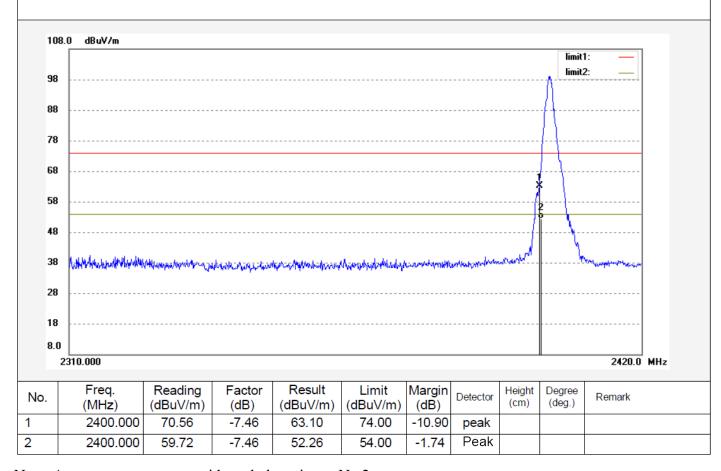
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 13/04/57

Engineer Signature: Ricky

Distance: 3m







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Job No.: Ricky #191 Polarization: Horizontal

Standard: FCC 15C PK Power Source: AC 120V/60Hz
Test item: Radiation Test Date: 14/10/10/

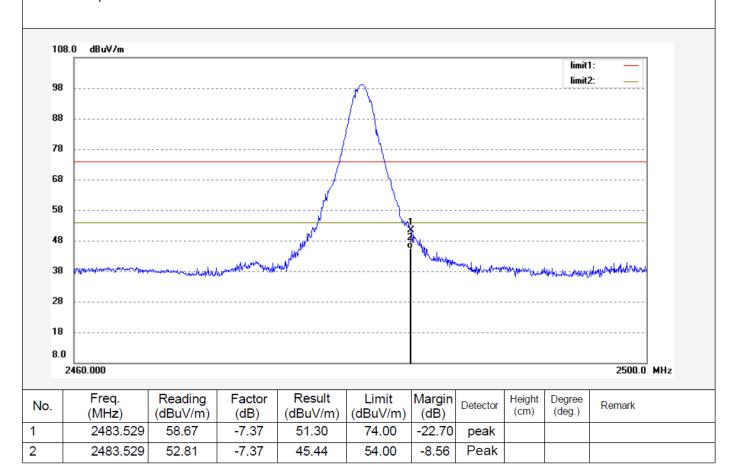
Temp.(C)/Hum.(%) 23 C / 49 % Time: 13/06/19

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2480MHz(8QPSK) Distance: 3m

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958





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Job No.: Ricky #192 Polarization: Vertical

Standard: FCC 15C PK Power Source: AC 120V/60Hz

 Test item:
 Radiation Test
 Date: 14/10/10/

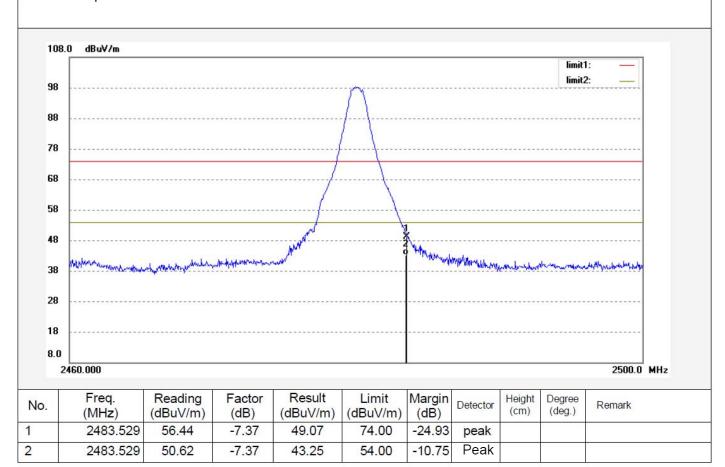
 Temp.(C)/Hum.(%)
 23 C / 49 %
 Time: 13/09/55

EUT: Active Floorstanding Loudspeaker System Engineer Signature: Ricky

Mode: TX 2480MHz(8QPSK) Distance: 3m

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958





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Site: 1# Chamber

Tel:+86-0755-26503290

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Hopping mode



Job No.: STAR #3027

Test item: Radiation Test

Standard: FCC PK

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Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/10/10/
Time: 11/22/51
Engineer Signature:

Distance: 3m

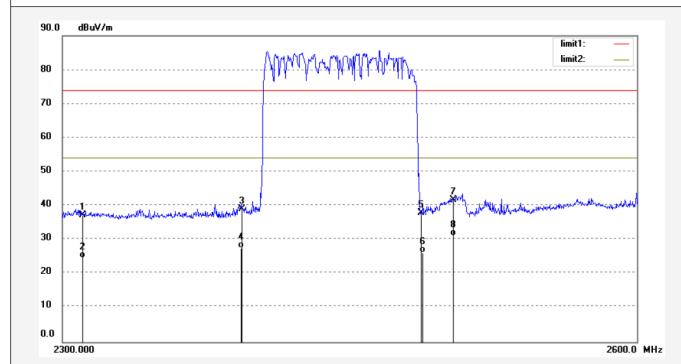
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Active Floorstanding Loudspeaker System

Mode: HOPPING (GFSK)

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	44.18	-6.99	37.19	74.00	-36.81	peak			
2	2310.000	31.58	-6.99	24.59	54.00	-29.41	Peak			
3	2390.000	45.89	-6.78	39.11	74.00	-34.89	peak			
4	2390.000	34.25	-6.78	27.47	54.00	-26.53	Peak			
5	2483.500	44.36	-6.54	37.82	74.00	-36.18	peak			
6	2483.500	32.69	-6.54	26.15	54.00	-27.85	Peak			
7	2500.000	48.29	-6.50	41.79	74.00	-32.21	peak			
8	2500.000	37.66	-6.50	31.16	54.00	-22.84	Peak			

Note: Average measurement with peak detection at No.2, 4, 6, 8





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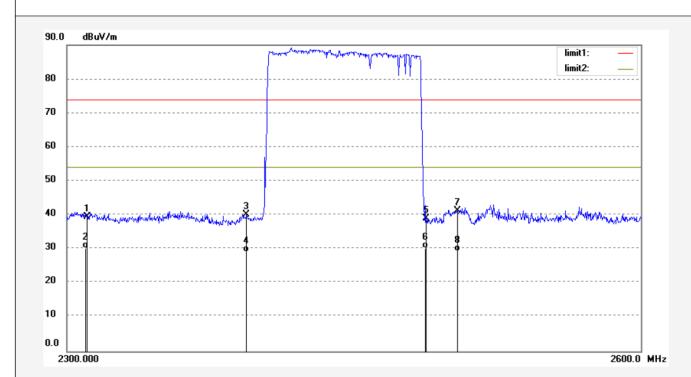
Job No.: STAR #3028 Polarization: Vertical

Standard: FCC PK Power Source: AC 120V/60Hz

Test item: Radiation Test Date: 14/10/10/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 11/25/42
EUT: Active Floorstanding Loudspeaker System Engineer Signature:
Mode: HOPPING (GFSK) Distance: 3m

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.43	-6.99	39.44	74.00	-34.56	peak			
2	2310.000	37.25	-6.99	30.26	54.00	-23.74	Peak			
3	2390.000	46.86	-6.78	40.08	74.00	-33.92	peak			
4	2390.000	35.86	-6.78	29.08	54.00	-24.92	Peak			
5	2483.500	45.50	-6.54	38.96	74.00	-35.04	peak			
6	2483.500	36.87	-6.54	30.33	54.00	-23.67	Peak			
7	2500.000	47.78	-6.50	41.28	74.00	-32.72	peak			
8	2500.000	35.88	-6.50	29.38	54.00	-24.62	Peak			





Job No.: STAR #3029

Test item: Radiation Test

Standard: FCC PK

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Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 11/28/17 Engineer Signature:

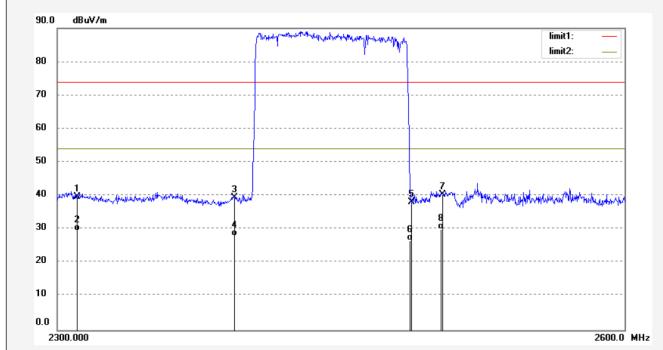
Distance: 3m

EUT: Active Floorstanding Loudspeaker System Mode: HOPPING (PI/4DQPSK)

Model: EXAT21-BK
Manufacturer: 3SIXTY

Note: Report No.:ATE20141958

Temp.(C)/Hum.(%) 25 C / 55 %



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.75	-6.99	39.76	74.00	-34.24	peak			
2	2310.000	36.55	-6.99	29.56	54.00	-24.44	Peak			
3	2390.000	46.28	-6.78	39.50	74.00	-34.50	peak			
4	2390.000	34.89	-6.78	28.11	54.00	-25.89	Peak			
5	2483.500	44.59	-6.54	38.05	74.00	-35.95	peak			
6	2483.500	33.24	-6.54	26.70	54.00	-27.30	Peak			
7	2500.000	46.93	-6.50	40.43	74.00	-33.57	peak			
8	2500.000	36.43	-6.50	29.93	54.00	-24.07	Peak			





Job No.: STAR #3030

Test item: Radiation Test

Standard: FCC PK

EUT:

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Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 11/31/16 Engineer Signature:

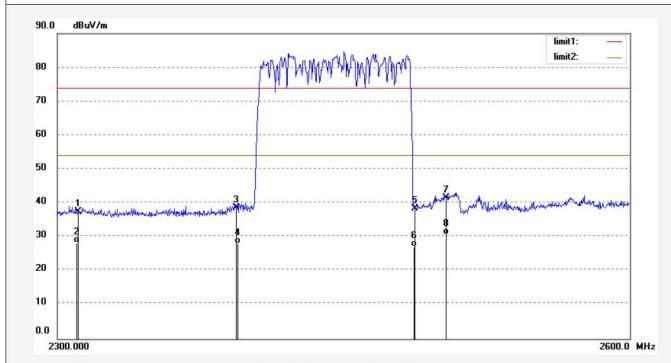
Distance: 3m

Active Floorstanding Loudspeaker System Mode: HOPPING (PI/4DQPSK)

Temp.(C)/Hum.(%) 25 C / 55 %

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	44.36	-6.99	37.37	74.00	-36.63	peak			2
2	2310.000	35.24	-6.99	28.25	54.00	-25.75	Peak			2
3	2390.000	45.45	-6.78	38.67	74.00	-35.33	peak			
4	2390.000	34.80	-6.78	28.02	54.00	-25.98	Peak			2
5	2483.500	44.82	-6.54	38.28	74.00	-35.72	peak			2
6	2483.500	33.58	-6.54	27.04	54.00	-26.96	Peak			7
7	2500.000	48.09	-6.50	41.59	74.00	-32.41	peak			2
8	2500.000	37.32	-6.50	30.82	54.00	-23.18	Peak			2.



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Job No.: STAR #3031

ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

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Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 14/10/10/ Time: 11/36/34 Engineer Signature:

Distance: 3m

Standard: FCC PK
Test item: Radiation Test

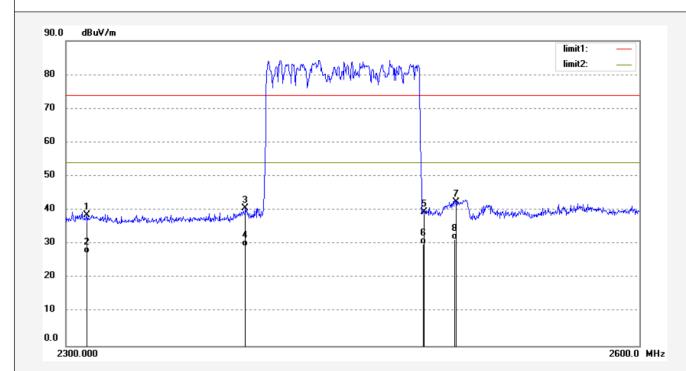
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Active Floorstanding Loudspeaker System

Mode: HOPPING (8QPSK)

Model: EXAT21-BK
Manufacturer: 3SIXTY

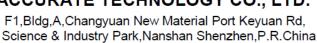
Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.68	-6.99	38.69	74.00	-35.31	peak			
2	2310.000	34.29	-6.99	27.30	54.00	-26.70	Peak			
3	2390.000	47.42	-6.78	40.64	74.00	-33.36	peak			
4	2390.000	36.10	-6.78	29.32	54.00	-24.68	Peak			
5	2483.500	45.92	-6.54	39.38	74.00	-34.62	peak			
6	2483.500	36.61	-6.54	30.07	54.00	-23.93	Peak			
7	2500.000	48.96	-6.50	42.46	74.00	-31.54	peak			
8	2500.000	37.88	-6.50	31.38	54.00	-22.62	Peak			



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Site: 1# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: STAR #3032 Polarization: Vertical

Standard: FCC PK Power Source: AC 120V/60Hz

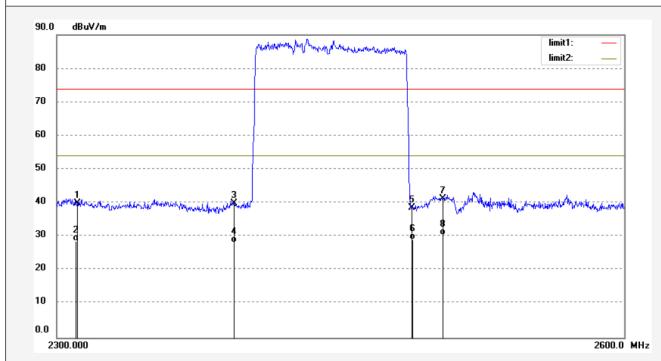
Test item: Radiation Test Date: 14/10/10/
Temp.(C)/Hum.(%) 25 C / 55 % Time: 11/39/37

EUT: Active Floorstanding Loudspeaker System Engineer Signature:
Mode: HOPPING (8QPSK) Distance: 3m

Mode: HOPPING (8QPSK)
Model: EXAT21-BK

Model: EXAT21-BK Manufacturer: 3SIXTY

Note: Report No.:ATE20141958



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.88	-6.99	39.89	74.00	-34.11	peak			
2	2310.000	35.60	-6.99	28.61	54.00	-25.39	Peak			
3	2390.000	46.74	-6.78	39.96	74.00	-34.04	peak			
4	2390.000	35.10	-6.78	28.32	54.00	-25.68	Peak			
5	2483.500	45.21	-6.54	38.67	74.00	-35.33	peak			
6	2483.500	35.66	-6.54	29.12	54.00	-24.88	Peak			
7	2500.000	47.76	-6.50	41.26	74.00	-32.74	peak			
8	2500.000	36.91	-6.50	30.41	54.00	-23.59	Peak			

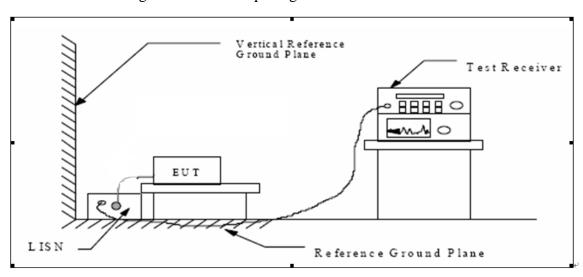


12.AC POWER LINE CONDUCTED EMISSION FOR FCC PART

15 SECTION 15.207(A)

12.1.Block Diagram of Test Setup

12.1.1.Shielding Room Test Setup Diagram



12.2.The Emission Limit

12.2.1.Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency	Limit d	Β(μV)
(MHz)	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 - 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

^{*} Decreases with the logarithm of the frequency.

12.3. Configuration of EUT on Measurement

The equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.



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12.4. Operating Condition of EUT

- 12.4.1. Setup the EUT and simulator as shown as Section 12.1.
- 12.4.2. Turn on the power of all equipment.
- 12.4.3.Let the EUT work in Test mode measure it.

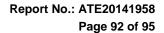
12.5.Test Procedure

The EUT is put on the plane 0.1m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4- 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

12.6.Power Line Conducted Emission Measurement Results **PASS**.



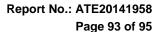


The frequency range from 150kHz to 30MHz is checked.

Test mode : BT	Operatio	n					
MEASUREMENT	RESULT	: "TSTO	11_fin	1"			
10/10/2014 4: Frequency MHz			Limit dBµV	Margin dB	Detector	Line	PE
0.150000 0.250000 0.375000	53.40 50.90 41.10	10.6	66 62 58		ÕР	L1 L1 L1	GND
MEASUREMENT	RESULT	: "TST0	11_fin	12"			
10/10/2014 4: Frequency MHz	Level		Limit dBµV	Margin dB	Detector	Line	PE
0.155000 0.270000 0.400000	19.70	10.5 10.6 10.7	51	31.4	AV	L1 L1 L1	GND GND GND
MEASUREMENT	RESULT	: "TSTO)12_fi	1"			
10/10/2014 4: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.155000 0.245000 0.410000		10.6	66 62 58	15.6	QP	N N N	GND GND GND
MEASUREMENT	RESULT	: "TST()12_fi1	n2"			
10/10/2014 4: Frequency MHz				Margin dB	Detector	Line	PE
0.160000 0.250000 0.410000	19.60 16.30 4.90	10.5 10.6 10.7	56 52 48	35.5	AV	N N N	GND GND GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.





CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Active Floorstanding Loudspeaker System M/N:EXAT21-BK

Manufacturer: 3SIXTY
Operating Condition: BT Operation
Test Site: 1#Shielding Room

Operator: star

Test Specification: N 120V/60Hz

Comment: Report No.:ATE20141958 Start of Test: 10/10/2014 / 4:55:53PM

SCAN TABLE: "V 150K-30MHz fin"

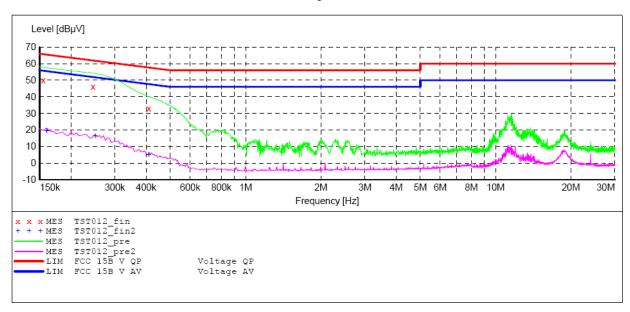
Short Description: __SUB_STD_VTERM2 1.70

Start Stop Step Detector Meas. IF Transducer

Frequency Frequency Width Time Bandw.

150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average

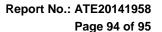


MEASUREMENT RESULT: "TST012 fin"

10/10/2014 4:	58PM						
Frequency MHz	Level dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.155000	49.90	10.5	66	15.8	QP	N	GND
0.245000	46.30	10.6	62	15.6	QP	N	GND
0.410000	32.90			24.7	OP	N	GND

MEASUREMENT RESULT: "TST012 fin2"

10/10/2014 4: Frequency MHz			Limit dBµV	Margin dB	Detector	Line	PE
0.160000	19.60	10.5	56	35.9	AV	N	GND
0.250000	16.30	10.6	52	35.5	AV	N	GND
0.410000	4.90	10.7	4.8	42.7	ΔV	M	GND





CONDUCTED EMISSION STANDARD FCC PART 15B

Active Floorstanding Loudspeaker System M/N:EXAT21-BK

Manufacturer: 3SIXTY Operating Condition: BT Operation

Test Site: 1#Shielding Room

Operator: star

Test Specification: L 120V/60Hz

Report No.:ATE20141958 Comment: 10/10/2014 / 4:50:50PM Start of Test:

SCAN TABLE: "V 150K-30MHz fin"

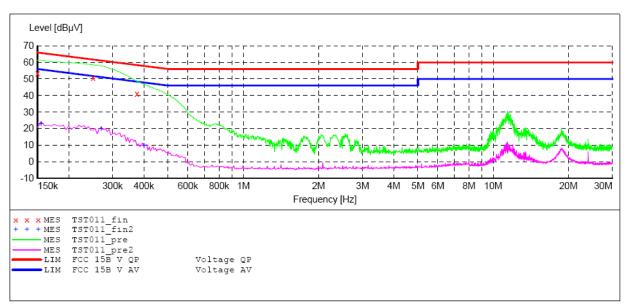
_SUB_STD_VTERM2 1.70 Short Description:

ΙF Start Stop Step Detector Meas. Transducer

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH Time Bandw.

4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "TST011 fin"

10/10/2014 4:54PM Frequency Level Transd Limit Margin Detector Line PE MHz dΒμV dB dBuV dB 0.150000 53.40 10.5 66 12.6 QP L1 GND 0.250000 50.90 10.6 62 10.9 QP L1GND 0.375000 41.10 10.7 58 17.3 QP L1GND

MEASUREMENT RESULT: "TST011 fin2"

10/10/2014 4:54PM								
Frequ	ıency	Level	Transd	Limit	Margin	Detector	Line	PΕ
	MHz	dΒμV	dB	dΒμV	dB			
0.1	55000	22.90	10.5	56	32.8	AV	L1	GND
0.2	70000	19.70	10.6	51	31.4	AV	L1	GND
0.40	00000	9.70	10.7	48	38.2	AV	L1	GND



13.ANTENNA REQUIREMENT

13.1.The Requirement

According to Section 15.203, 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.

13.2. Antenna Construction

The antenna is PCB Layout antenna, no consideration of replacement. Therefore, the equipment complies with the antenna requirement of Section 15.203.

