









# **Test Report**

# FCC Part15 Subpart C & RSS-247 Issue 2

Product Name: Virtual Reality System

Model No. : MI-A

FCC ID : 2AGOZMI-A

IC : 20849-MIA

Applicant : Oculus VR LLC

Address : 1 Hacker Way, Bldg 18 Menlo Park CA 94025-1456

Date of Receipt: Sep. 12, 2017

Test Date : Sep. 12, 2017~ Nov. 02, 2017

Issued Date : Dec. 01, 2017

Report No. : 1792054R-RF-US-P06V02

Report Version: V 1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF, A2LA or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing & Certification (Suzhou)

Co., Ltd.



# **Test Report Certification**

Issued Date: Dec. 01, 2017

Report No. : 1792054R-RF-US-P06V02



Product Name : Virtual Reality System

Applicant : Oculus VR LLC

Address : 1 Hacker Way, Bldg 18 Menlo Park CA 94025-1456

Manufacturer : Oculus VR LLC

Address : 1 Hacker Way, Bldg 18 Menlo Park CA 94025-1456

Model No. : MI-A

FCC ID : 2AGOZMI-A IC : 20849-MIA

EUT Voltage : 1.5 V dc, 190 mA

Test Voltage : DC 1.5V

Applicable Standard : FCC CFR Title 47 Part 15 Subpart C

ANSI C63.10:2013; KDB 558074 D01v04

RSS-Gen Issue 4 / RSS-247 Issue 2

Test Result : Complied

Performed Location : DEKRA Testing & Certification (Suzhou) Co., Ltd.

No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006,

Jiangsu, China

TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Designation Number: CN1199; IC Lab Code: 4075B

Documented By : Kathy Feng

(Project Assistant: Kathy Feng)

Frankhe

Reviewed By :

(Senior Engineer: Frank He)

Harry Than

Approved By

(Engineering Manager: Harry Zhao )

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# **History of This Test Report**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1792054R-RF-US-P06V02	V1.0	Initial Issued Report	Dec. 01, 2017

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### 1. General Information

# 1.1. EUT Description

Product Name	Virtual Reality System
Model No.	MI-A
EUT Voltage	1.5 V dc, 190 mA
Test Voltage	DC 1.5V
Bluetooth Specification	V4.1
Frequency Range	2402- 2480 MHz
Channel Number	V4.1: 40
Channel Separation	V4.1: 2MHz
Type of Modulation	V4.1: GFSK
Data Rate	V4.1: 1Mbps(GFSK)
Antenna Type	Reference to Antenna List
Peak Antenna Gain	Reference to Antenna List



# 1.2. Working Frequency of Each Channel:

Bluetooth	Bluetooth Working Frequency of Each Channel: (For V4.1)						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz	03	2408 MHz
04	2410 MHz	05	2412 MHz	06	2414 MHz	07	2416 MHz
08	2418 MHz	09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz	15	2432 MHz
16	2434 MHz	17	2436 MHz	18	2438 MHz	19	2440 MHz
20	2442 MHz	21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz	27	2456 MHz
28	2458 MHz	29	2460 MHz	30	2462 MHz	31	2464 MHz
32	2466 MHz	33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz	39	2480 MHz

### 1.3. Antenna information

Model No.	N/A						
Antenna manufacturer	SPEED						
Antenna Delivery	$\boxtimes$	1*TX+1*R	RX		2*TX+2*RX		3*TX+3*RX
Antenna technology	$\boxtimes$	SISO					
				Basic			
		MIMO		CDD			
		MINO		Sectorized			
				Beam	-forming		
Antenna Type	E	External		Dipole			
				Secto	rized		
	$\boxtimes$			PIFA			
			$\boxtimes$	РСВ			
		Internal		Ceran	nic Chip Antenna	а	
				Mono	pole Antenna		
Antenna Technology		Ant Gain					
		(dBi)					
⊠siso	Ant1:2.45						

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### 1.4. Mode of Operation

Test Mode	
Mode 1: Transmit-1Mbps(GFSK_BLE)	

### 1.5. Tested System Details

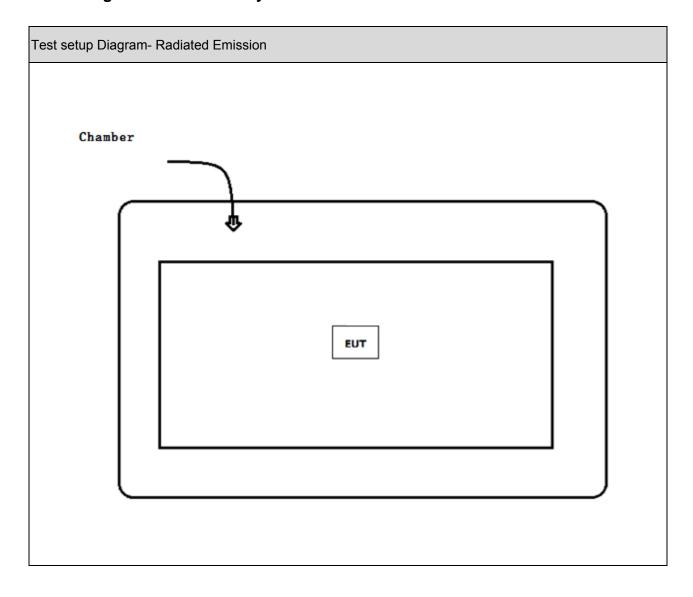
The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

No.	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	N/A	N/A	N/A	N/A	N/A

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# 1.6. Configuration of Tested System





### 1.7. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipment.
	Push the button of the equipment, and set the test mode and channel, then press OK to start continue receive.

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### 2. Technical Test

## 2.1. Summary of Test Result

Performed Test Item	Normative References	Limit	Result
AC Power Line	FCC CFR Title 47 Part 15 Subpart C: 2015	FCC 15.207	N/A
Conducted Emission	Section 15.207		
Emissions in restricted	FCC CFR Title 47 Part 15 Subpart C: 2015	FCC 15.209	PASS
frequency bands	Section 15.209		
Emissions in	FCC CFR Title 47 Part 15 Subpart C: 2015	≥20dBc	PASS
non-restricted frequency	Section 15.247(d)		
bands			
Radiated Emission Band	FCC CFR Title 47 Part 15 Subpart C: 2015	FCC 15.209	PASS
Edge	15.247(d)		
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2015	≥500kHz	PASS
	Section 15.247(a)(2)		
Fundamental emission	FCC CFR Title 47 Part 15 Subpart C: 2015	≤30dBm	PASS
output power	Section 15.247(b)(3)		
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2015	≤8dBm/3kHz	PASS
	Section 15.247(e)		
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015	FCC 15.203	PASS
	Section 15.203		

Performed Test Item	Normative References	Limit	Result
AC Power Line	RSS-Gen Issue 4	RSS-Gen	N/A
Conducted Emission	Section 8.8		
Emissions in restricted	RSS-Gen Issue 4	RSS-Gen	PASS
frequency bands	Section 8.9		
Emissions in	RSS-247 Issue 2	≥20dBc	PASS
non-restricted frequency	Section A5.5		
bands			
Radiated Emission Band	RSS-247 Issue 2	RSS-247	PASS
Edge	Section A5.5		
Occupied Bandwidth	RSS-Gen Issue 4	≥500kHz	PASS
	Section 6.6		
	RSS-247 Issue 2		
	Section A5.2(1)		
Fundamental emission	RSS-247 Issue 2	≤30dBm	PASS
output power	Section A5.4(4)		

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Power Spectral Density	RSS-247 Issue 2	≤8dBm/3kHz	PASS
	Section A5.2(2)		
Antenna Requirement	RSS-Gen Issue 4	RSS-Gen Issue 4	PASS
	Section 8.3		

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# 2.2. Test Frequency configuration:

<b>Modulation Mode</b>	Channel	Frequency	Channel	Frequency	Channel	Frequency
BLE	00	2402 MHz	19	2440 MHz	39	2480MHz

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### 2.3. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

# 2.4. Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	±2.02dB
Radiated Emission	Below 1GHz ±3.8 dB
	Above 1GHz ±3.9 dB
RF Antenna Port Conducted Emission	±1.27dB
Radiated Emission Band Edge	±3.9dB
Occupied Bandwidth	±1kHz
Power Spectral Density	±1.27dB

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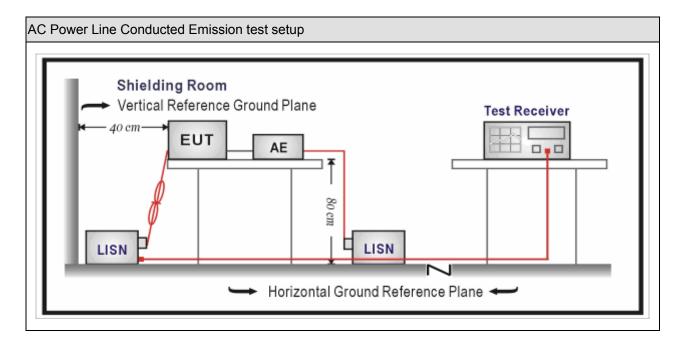
#### 3. AC Power Line Conducted Emission

### 3.1. Test Equipment

AC Power Line Conducted	AC Power Line Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date	
EMI Test Receiver	R&S	ESCI	100906	2017.03.05	2018.03.04	
Two-Line V-Network	R&S	ENV 216	101189	2017.07.16	2018.07.15	
Two-Line V-Network	R&S	ENV 216	101044	2017.09.16	2018.09.15	
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A	
50ohm Termination	SHX	TF2	07081402	2017.09.16	2018.09.15	
Temperature/Humidity	Zhichen	ZC1-2	TR1-TH	2017.01.04	2018.01.03	
Meter	ZINGIGI	201-2	1111-111	2017.01.04	2010.01.00	

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

#### 3.2. Test Setup





#### 3.3. **Limit**

Frequency of Emission	Conducted Limit			
(MHz)	Quasi-peak (dB $\mu$ V)	Average(dB $\mu$ V)		
0.15-0.5	66 to 56	56 to 46		
0.5-5	56	46		
5-30	60	50		

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### 3.4. Test Procedure

Test Method				
	References Rule	Chapter	Item	
$\boxtimes$	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted	
			emissions from unlicensed wireless devices	

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### 3.5. Test Result

The EUT is powered by battery, so this test was not applicable.

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### 4. Emissions in restricted frequency bands

### 4.1. Test Equipment

Radiated Emission(Belo	Radiated Emission(Below 1GHz) / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date	
EMI Test Receiver	R&S	ESCI	100573	2017.03.29	2018.03.28	
Loop Antenna	R&S	HFH2-Z2	833799/003	2016.11.16	2017.11.15	
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2017.10.16	2018.10.15	
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2016.03.02	2018.03.01	
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2017.01.03	2018.01.02	

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

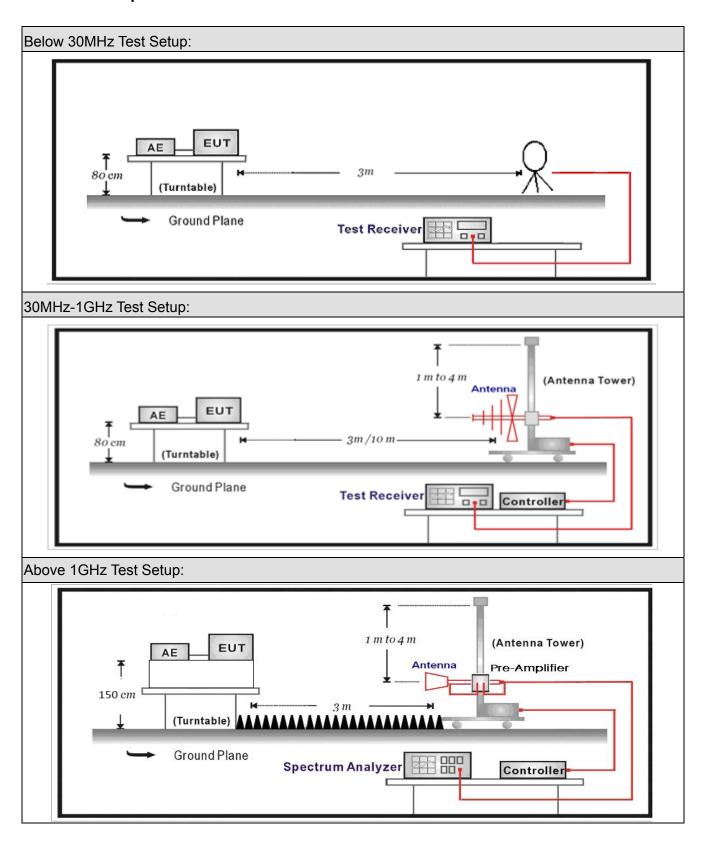
Radiated Emission(Above 1GHz) / AC-5					
Radiated Emission(Abo	T T T T T T T T T T T T T T T T T T T	1	1		1
Instrument	ument Manufacturer Type No.		Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2017.05.06	2018.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2017.05.06	2018.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn					
Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
		SUCOFLEX			
Coaxial Cable	Huber+Suhner	106	AC5-C1	2016.03.02	2018.03.01
		SUCOFLEX			
Coaxial Cable	Huber+Suhner	106	AC5-C2	2016.03.02	2018.03.01
		SUCOFLEX			
Coaxial Cable	Huber+Suhner	102	AC5-C3	2016.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2017.06.10	2018.06.09
Temperature/Humidity					
Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipment are	calibrated with t	raccable calibr	otiona Each on	libration is trace	able to the

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

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#### 4.2. Test Setup





### 4.3. Limit

#### For FCC

Restricted Bands of	Restricted Bands of operation						
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)				
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15				
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46				
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75				
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5				
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2				
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5				
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7				
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4				
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5				
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2				
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4				
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12				
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0				
12.29 – 12.293	12.29 – 12.293 167.72 – 173.2		31.2 – 31.8				
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5				
12.57675–12.57725	322 – 335.4	3600 – 4400					
13.36 – 13.41							

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#### For ISED:

Restricted Bands of operation					
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)		
0.090-0.110	13.36-13.41	1645.5-1646.5	9.0-9.2		
2.1735-2.1905	16.42-16.423	1660-1710	9.3-9.5		
3.020-3.026	16.69475-16.69525	1718.8-1722.2	10.6-12.7		
4.125-4.128	16.80425-16.80475	2200-2300	13.25-13.4		
4.17725-4.17775	25.5-25.67	2310-2390	14.47-14.5		
4.20725-4.20775	37.5-38.25	2655-2900	15.35-16.2		
5.677-5.683	73-74.6	3260-3267	17.7-21.4		
6.215-6.218	74.8-75.2	3332-3339	22.01-23.12		
6.26775-6.26825	108-138	3345.8-3358	23.6-24.0		
6.31175-6.31225	156.52475-156.52525	3500-4400	31.2-31.8		
8.291-8.294	156.7-156.9	4500-5150	36.43-36.5		
8.362-8.366	240-285	5350-5460	Above 38.6		
8.37625-8.38675	322-335.4	7250-7750			
8.41425-8.41475	399.9-410	8025-8500			
12.29-12.293	608-614				
12.51975-12.52025	960-1427				
12.57675-12.57725	1435-1626.5				



Restricted Band Emissions Limit					
Frequency (MHz)	Field strength ( μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)		
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 <sub>(Note 1)</sub>		
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 <sub>(Note 1)</sub>		
1.705 - 30	30	29.5	30 <sub>(Note 1)</sub>		
30 - 88	100	40	3 <sub>(Note 2)</sub>		
88 - 216	150	43.5	3 <sub>(Note 2)</sub>		
216 - 960	200	46	3 <sub>(Note 2)</sub>		
Above 960	500	54	3 <sub>(Note 2)</sub>		

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two 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).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. 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 linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).



# 4.4. Test Procedure

References Rule	Test	est Method					
□ ANSI C63.10       11.11.2       Reference level measurement         □ ANSI C63.10       11.11.3       Emission level measurement         □ ANSI C63.10       11.12       Emissions in restricted frequency bands         □ ANSI C63.10       11.12.1       Radiated emission measurements         □ ANSI C63.10       11.12.2.7       Radiated spurious emission test         □ ANSI C63.10       6.4       Radiated emissions from unlicensed wireless devices below 30 MHz         □ ANSI C63.10       6.5       Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz         □ ANSI C63.10       6.6       Radiated emissions from unlicensed wireless devices above 1 GHz         □ ANSI C63.10       11.12.2.3       Quasi-peak measurement procedure         □ ANSI C63.10       11.12.2.4       Peak power measurement procedure         □ ANSI C63.10       11.12.2.5       Average power measurement procedures         □ ANSI C63.10       11.12.2.5.1       Trace averaging with continuous EUT transmission at full power         □ ANSI C63.10       11.12.2.5.2       Trace averaging across ON and OFF times of the EUT transmissions         □ ANSI C63.10       11.12.2.5.3       Reduced VBW averaging across ON and OFF times of the EUT transmissions		Refer	rences	s Rul	le	Chapter	Description
ANSI C63.10		ANSI	C63.	10		11.11	Emissions in non-restricted frequency bands
ANSI C63.10			ANSI	C63	.10	11.11.2	Reference level measurement
ANSI C63.10 11.12.2.7 Radiated emission measurements  ANSI C63.10 11.12.2.7 Radiated spurious emission test  ANSI C63.10 6.4 Radiated emissions from unlicensed wireless devices below 30 MHz  ANSI C63.10 6.5 Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions			ANSI	C63	.10	11.11.3	Emission level measurement
ANSI C63.10	$\boxtimes$	ANSI	C63.	10		11.12	Emissions in restricted frequency bands
ANSI C63.10 6.4 Radiated emissions from unlicensed wireless devices below 30 MHz  ANSI C63.10 6.5 Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Reduced VBW averaging across ON and OFF times of the EUT transmissions  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions		$\boxtimes$	ANSI	C63	3.10	11.12.1	Radiated emission measurements
devices below 30 MHz  ANSI C63.10 6.5 Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions			ANSI	C63	3.10	11.12.2.7	Radiated spurious emission test
ANSI C63.10  ANSI C63.10				ANS	I C63.10		
devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							
of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions				ANS	I C63.10		
ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							
devices above 1 GHz  ☐ ANSI C63.10							of 30 MHz to 1000 MHz
□ ANSI C63.10       11.12.2.3       Quasi-peak measurement procedure         □ ANSI C63.10       11.12.2.4       Peak power measurement procedure         □ ANSI C63.10       11.12.2.5       Average power measurement procedures         □ ANSI C63.10       11.12.2.5.1       Trace averaging with continuous EUT transmission at full power         □ ANSI C63.10       11.12.2.5.2       Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction         □ ANSI C63.10       11.12.2.5.3       Reduced VBW averaging across ON and OFF times of the EUT transmissions			$\boxtimes$	ANS	I C63.10	6.6	Radiated emissions from unlicensed wireless
ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							devices above 1 GHz
ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions				ANS	I C63.10	11.12.2.3	Quasi-peak measurement procedure
ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions			$\boxtimes$	ANS	I C63.10	11.12.2.4	Peak power measurement procedure
at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions			$\boxtimes$	ANS	I C63.10	11.12.2.5	Average power measurement procedures
ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions					ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission
EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							at full power
duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions					ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the
ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							EUT transmissions followed by
of the EUT transmissions							duty cycle correction
				$\boxtimes$	ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times
with may hold							of the EUT transmissions
							with max hold

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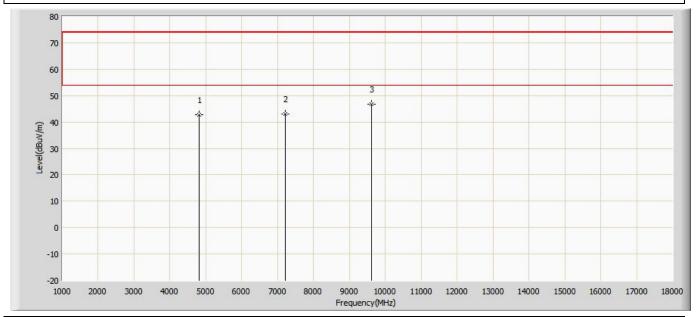
### 4.5. EUT test Axis definition

Item	Emissions in restricted frequency bands						
Device Category		Fixed point-to-point  Emit multiple directional beams, simultaneously or sequentially					
		Other cases					
Test mode	Mode	: 1					
		Radiated					
		X Axis	Y	Axis	Z Axis		
		Worst Axis 🖂	Worst Axis		Worst Axis		
	Conducted						
T		Chain 0					
Test method		•					
		Chain 0			Chain 1		
			•	•			
		Chain 0	Cł	nain 1	Chain 2		
			•	• •			



### 4.6. Test Result

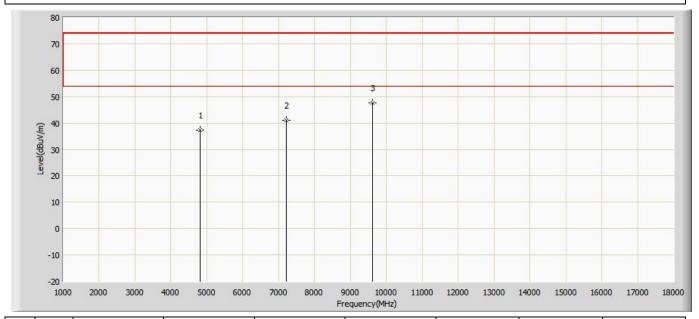
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:18			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2402MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4808.000	42.829	55.839	-31.171	74.000	-13.010	PK
2		7206.000	42.980	50.690	-31.020	74.000	-7.710	PK
3	*	9608.000	46.767	48.357	-27.233	74.000	-1.590	PK



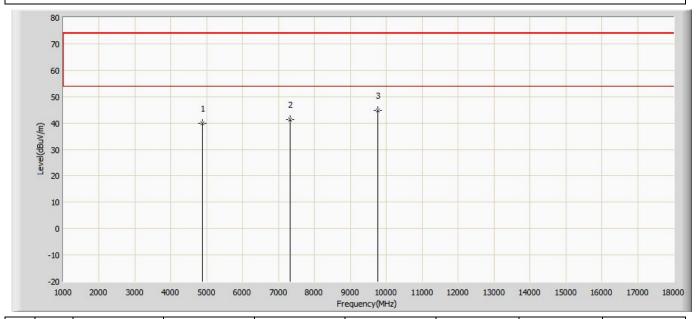
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:18			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2402MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4804.000	37.302	50.312	-36.698	74.000	-13.010	PK
2		7206.000	41.141	48.851	-32.859	74.000	-7.710	PK
3	*	9608.000	47.689	49.279	-26.311	74.000	-1.590	PK



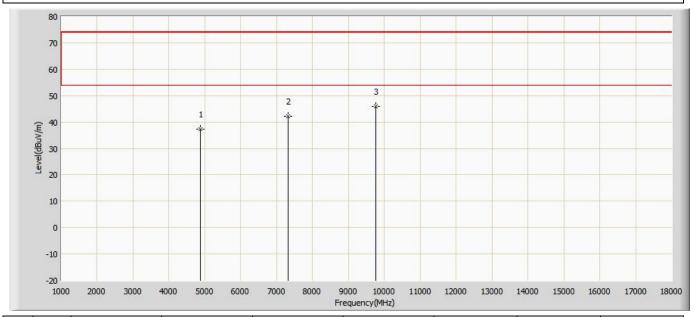
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:19			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4880.000	39.753	52.763	-34.247	74.000	-13.010	PK
2		7320.000	41.265	48.975	-32.735	74.000	-7.710	PK
3	*	9760.000	44.845	46.435	-29.155	74.000	-1.590	PK



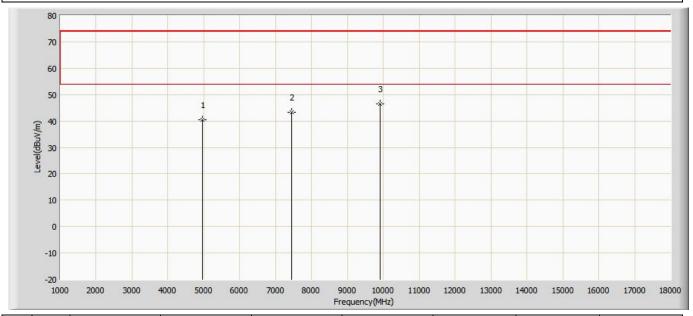
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:19			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4880.000	37.232	50.242	-36.768	74.000	-13.010	PK
2		7320.000	42.162	49.872	-31.838	74.000	-7.710	PK
3	*	9760.000	45.991	47.581	-28.009	74.000	-1.590	PK



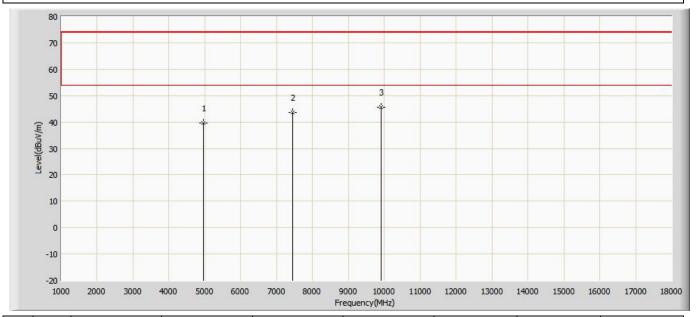
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:19			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2480MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4960.000	40.367	52.597	-33.633	74.000	-12.230	PK
2		7440.000	43.386	50.046	-30.614	74.000	-6.660	PK
3	*	9920.000	46.431	48.391	-27.569	74.000	-1.960	PK



Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 14:19			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2480MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		4960.000	39.616	51.846	-34.384	74.000	-12.230	PK
2		7440.000	43.476	50.136	-30.524	74.000	-6.660	PK
3	*	9920.000	45.681	47.641	-28.319	74.000	-1.960	PK

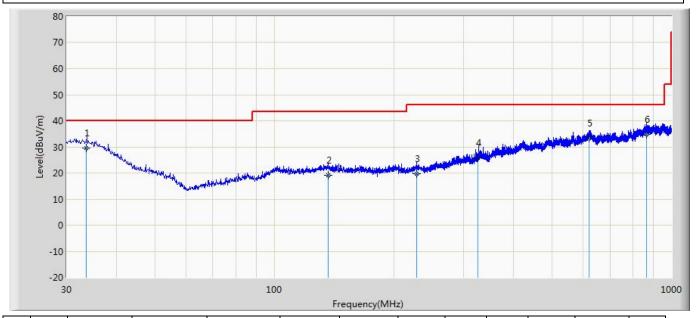
#### Note:

- 1. Measured Level = Reading Level + Factor.
- 2. The test frequency range, 9kHz~30MHz, 18GHz~26GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
- 3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
- 4. As the radiated emission was performed, so conducted emission was not tested.



#### The worst case of Radiated Emission below 1GHz:

Engineer: leiwan						
Site: AC2	Time: 2017/11/08					
Limit: FCC_Part15.209_RE(3m)	Margin: 0					
Probe: AC2_3M(30-1000M)	Polarity: Horizontal					
EUT: Virtual Reality System	Power: DC 1.5V					
Note: Mode 1:Transmit at 2402MHz by BLE						



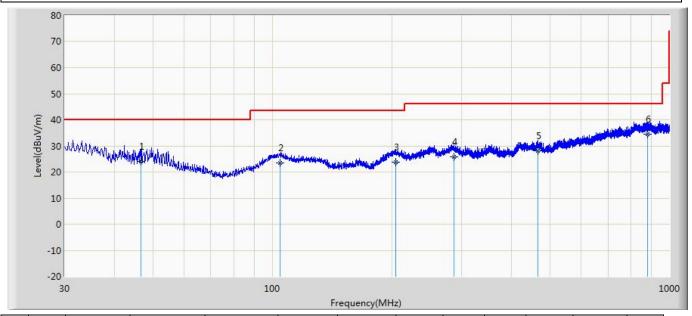
No	Mark	Frequency	Measure	Reading	Over	Limit	Probe	Cable	Amp	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV/m)	(dB/m)	(dB)	(dB)	Pos	Pos	
			(dBuV/m)	(dBuV)	(dB)					(cm)	(deg)	
1	*	33.563	29.464	2.100	-10.536	40.000	20.707	6.657	0.000	200	31	QP
2		136.754	19.106	1.300	-24.394	43.500	10.707	7.099	0.000	200	25	QP
3		228.601	19.819	1.600	-26.181	46.000	10.747	7.472	0.000	100	111	QP
4		326.215	25.755	3.700	-20.245	46.000	14.348	7.707	0.000	100	169	QP
5		619.565	33.190	2.400	-12.810	46.000	22.233	8.556	0.000	200	109	QP
6		863.748	34.664	1.800	-11.336	46.000	23.702	9.163	0.000	100	191	QP

#### Note:

- 1. " \* ", means this data is the worst emission level.
- 2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).



Engineer: leiwan						
Site: AC2	Time: 2017/11/08					
Limit: FCC_Part15.209_RE(3m)	Margin: 0					
Probe: AC2_3M(30-1000M)	Polarity: Vertical					
EUT: Virtual Reality System	Power: DC 1.5V					
Note: Mode 1:Transmit at 2402MHz by BLE	•					



No	Mark	Frequency	Measure	Reading	Over	Limit	Probe	Cable	Amp	Ant	Table	Туре
		(MHz)	Level	Level	Limit	(dBuV/m)	(dB/m)	(dB)	(dB)	Pos	Pos	
			(dBuV/m)	(dBuV)	(dB)					(cm)	(deg)	
1		46.748	24.113	5.600	-15.887	40.000	11.933	6.580	0.000	100	147	QP
2		104.855	23.606	1.230	-19.894	43.500	15.469	6.907	0.000	300	265	QP
3		204.562	23.739	0.140	-19.761	43.500	16.237	7.362	0.000	100	199	QP
4		287.345	25.685	0.640	-20.315	46.000	17.437	7.607	0.000	100	195	QP
5		466.321	28.249	1.500	-17.751	46.000	18.740	8.009	0.000	200	152	QP
6	*	881.642	34.538	0.900	-11.462	46.000	24.433	9.206	0.000	100	122	QP

#### Note:

- 1. " \* ", means this data is the worst emission level.
- 2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).



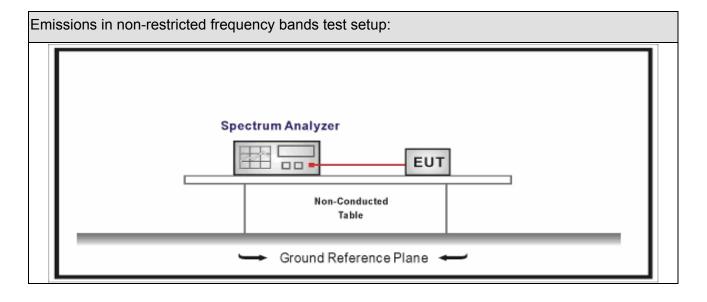
## 5. Emissions in non-restricted frequency bands

### 5.1. Test Equipment

Emissions in non-restricted frequency bands / TR-8									
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date				
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03				
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08				
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08				
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09				

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 5.2. Test Setup





#### 5.3. Limit

Un-Restricted Band Emissions Limit							
RF Output power (Detection methods)	Limit(dB)						
RF Output power(Average detector)	30c(Note1)						
RF Output power(PK detector)	20c(Note2)						

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

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### 5.4. Test Procedure

Test	Test Method									
	Refe	re	nces	s Rul	е	Chapter	Description			
	ANS	I C63.10				11.11	Emissions in non-restricted frequency bands			
	$\boxtimes$	ANSI C63.10				11.11.2	Reference level measurement			
	$\boxtimes$	Α	NSI	C63	.10	11.11.3	Emission level measurement			
	ANS	I C	263.	10		11.12	Emissions in restricted frequency bands			
		Α	NSI	C63	.10	11.12.1	Radiated emission measurements			
		Α	NSI	C63	.10	11.12.2.7	Radiated spurious emission test			
	ANS	I C63.10				6.4	Radiated emissions from unlicensed wireless devices below 30 MHz			
	ANS	SI C63.10				6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz			
	ANS	IC	I C63.10			6.6	Radiated emissions from unlicensed wireless devices above 1 GHz			
	$\boxtimes$	Α	NSI	C63	.10	11.12.2	Antenna-port conducted measurements			
				ANS	I C63.10	11.12.2.3	Quasi-peak measurement procedure			
				ANS	I C63.10	11.12.2.4	Peak power measurement procedure			
				ANS	I C63.10	11.12.2.5	Average power measurement procedures			
					ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power			
		☐ ANSI C63.10		ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction				
	ANSI C63.10			ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold				



### 5.5. EUT test Axis definition

Item		Emissions in non-restricted frequency bands						
		Fixed point-to-poin	t					
Device Category		Emit multiple directional beams, simultaneously or						
		sequentially						
		Other cases						
Test mode	Mode	: 1						
		Radiated						
		X Axis	Y	'Axis	Z Axis			
		Worst Axis	Worst A	Axis 🗌	Worst Axis			
		⊠ Conducted						
		☐ Chain 1						
Test method		•						
		Chain 1		Chain 2				
		• •						
		Chain 1 Ch		chain 2 Chain 3				
			•					

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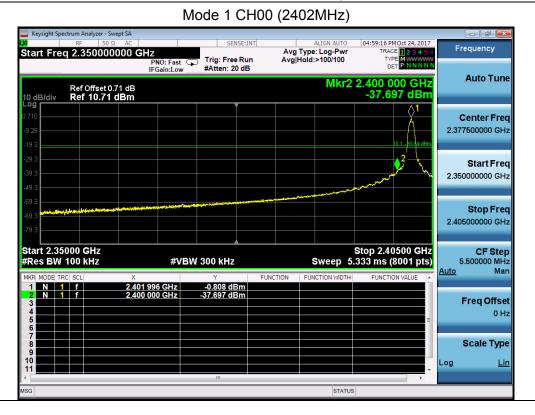


#### 5.6. Test Result

Product Name	:	Virtual Reality System	Power		DC 1.5V
Test Mode	• •	Mode 1	Test Site	:	TR-8
Test Date	:	2017.10.23	Test Engineer	:	Tommy

Mode	Channel	Test Frequency (MHz)	In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	00	2402	-0.808	2400.00	-37.697	36.889	>20	Pass
1	39	2480	-1.538	2500.00	-62.573	61.035	>20	Pass

Note: The worst case of Emissions in non-restricted frequency bands as below:





# 6. Radiated Emission Band Edge

# 6.1. Test Equipment

Radiated Emission(Above 1GHz) / AC-5						
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date	
EMI Receiver	Agilent	N9038A	MY51210196	2017.07.16	2018.07.15	
Pre-Amplifier	Miteq	NSP1800-25	1364185	2017.05.03	2018.05.02	
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2017.07.12	2018.07.11	
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2017.09.18	2018.09.17	
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.02.28	2018.02.27	
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.02.28	2018.02.27	
Temperature/Humidity						
Meter	Zhichen	ZC1-2	AC5-TH	2017.01.05	2018.01.04	

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### 6.2. Test Setup



### 6.3. Limit

Band edge Limit						
Frequency bands (MHz)	Detector	Limit (dB $\mu$ V/m)	RBW (MHz)	Distance (m)		
2310-2390	PK	74	1	3		
2483.5-2500	AV	54	1	3		

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.



## 6.4. Test Procedure

References Rule  Chapter  Description  ANSI C63.10  6.10  Band-edge testing  ANSI C63.10  6.10.5  Restricted-band band-edge measurements  ANSI C63.10  ANSI C63.10  11.12  Emissions in restricted frequency bands  ANSI C63.10  11.12.1  Radiated emission measurements  ANSI C63.10  ANSI C63.10  11.12.2.7  Radiated emissions from unlicensed wireless devices below 30 MHz  ANSI C63.10  ANSI C63.10  6.5  Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10  ANSI C63.10  6.6  Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10  11.12.2.3  Quasi-peak measurement procedure  ANSI C63.10  11.12.2.5  Average power measurement procedures  ANSI C63.10  ANSI C63.10  11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10  ANSI C63.10  ANSI C63.10  11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10  BUT transmissions followed by duty cycle correction  ANSI C63.10  BUT transmissions followed by duty cycle correction  ANSI C63.10  ANSI C63.10  ANSI C63.10  BUT transmissions with max hold	Test	Metho	od				
ANSI C63.10   6.10.5   Restricted-band band-edge measurements     ANSI C63.10   6.10.6   Marker-delta method     ANSI C63.10   11.12   Emissions in restricted frequency bands     ANSI C63.10   11.12.1   Radiated emission measurements     ANSI C63.10   11.12.2.7   Radiated spurious emission test     ANSI C63.10   6.4   Radiated emissions from unlicensed wireless devices below 30 MHz     ANSI C63.10   6.5   Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz     ANSI C63.10   6.6   Radiated emissions from unlicensed wireless devices above 1 GHz     ANSI C63.10   11.12.2.3   Quasi-peak measurement procedure     ANSI C63.10   11.12.2.4   Peak power measurement procedure     ANSI C63.10   11.12.2.5   Average power measurement procedures     ANSI C63.10   11.12.2.5.1   Trace averaging with continuous EUT transmission at full power     ANSI C63.10   11.12.2.5.2   Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction     ANSI C63.10   11.12.2.5.3   Reduced VBW averaging across ON and OFF times of the EUT transmissions		References Rule			le	Chapter	Description
ANSI C63.10   6.10.6   Marker-delta method     ANSI C63.10   11.12   Emissions in restricted frequency bands     ANSI C63.10   11.12.1   Radiated emission measurements     ANSI C63.10   11.12.2.7   Radiated spurious emission test     ANSI C63.10   6.4   Radiated emissions from unlicensed wireless devices below 30 MHz     ANSI C63.10   6.5   Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz     ANSI C63.10   6.6   Radiated emissions from unlicensed wireless devices above 1 GHz     ANSI C63.10   11.12.2.3   Quasi-peak measurement procedure     ANSI C63.10   11.12.2.4   Peak power measurement procedure     ANSI C63.10   11.12.2.5   Average power measurement procedures     ANSI C63.10   11.12.2.5.1   Trace averaging with continuous EUT transmission at full power     ANSI C63.10   11.12.2.5.2   Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction     ANSI C63.10   11.12.2.5.3   Reduced VBW averaging across ON and OFF times of the EUT transmissions		ANSI	C63.	10		6.10	Band-edge testing
		$\boxtimes$	ANSI	C63	.10	6.10.5	Restricted-band band-edge measurements
ANSI C63.10			ANSI	C63	.10	6.10.6	Marker-delta method
ANSI C63.10  11.12.2.7 Radiated spurious emission test  ANSI C63.10  6.4 Radiated emissions from unlicensed wireless devices below 30 MHz  Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10  6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10  11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10  11.12.2.4 Peak power measurement procedure  ANSI C63.10  11.12.2.5 Average power measurement procedures  ANSI C63.10  11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10  ANSI C63.10  11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10	$\boxtimes$	ANSI	C63.	10		11.12	Emissions in restricted frequency bands
ANSI C63.10  6.4  Radiated emissions from unlicensed wireless devices below 30 MHz  ANSI C63.10  6.5  Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10  6.6  Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10  11.12.2.3  Quasi-peak measurement procedure  ANSI C63.10  11.12.2.5  Average power measurement procedures  ANSI C63.10  ANSI C63.10  11.12.2.5.1  Trace averaging with continuous EUT transmission at full power  ANSI C63.10  BELUT transmissions followed by duty cycle correction  ANSI C63.10		$\boxtimes$	ANSI	C63	.10	11.12.1	Radiated emission measurements
devices below 30 MHz  ANSI C63.10  6.5  Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10  6.6  Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10  11.12.2.3  Quasi-peak measurement procedure  ANSI C63.10  11.12.2.4  Peak power measurement procedure  ANSI C63.10  11.12.2.5  Average power measurement procedures  ANSI C63.10  11.12.2.5.1  Trace averaging with continuous EUT transmission at full power  ANSI C63.10  ANSI C63.10  11.12.2.5.2  Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10  ANSI C63.10  ANSI C63.10  11.12.2.5.3  Reduced VBW averaging across ON and OFF times of the EUT transmissions			ANSI	C63	3.10	11.12.2.7	Radiated spurious emission test
ANSI C63.10 6.5 Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz  ANSI C63.10 6.6 Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure  ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions		ANSI	C63.	10		6.4	
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ANSI C63.10  6.6  Radiated emissions from unlicensed wireless devices above 1 GHz  ANSI C63.10  11.12.2.3  Quasi-peak measurement procedure  ANSI C63.10  11.12.2.5  Average power measurement procedures  ANSI C63.10  ANSI C63.10  11.12.2.5.1  Trace averaging with continuous EUT transmission at full power  ANSI C63.10							
devices above 1 GHz  □ ANSI C63.10 11.12.2.3 Quasi-peak measurement procedure □ ANSI C63.10 11.12.2.4 Peak power measurement procedure □ ANSI C63.10 11.12.2.5 Average power measurement procedures □ ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power □ ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction □ ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							
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ANSI C63.10 11.12.2.4 Peak power measurement procedure  ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions				1			devices above 1 GHz
ANSI C63.10 11.12.2.5 Average power measurement procedures  ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions				ANS	I C63.10	11.12.2.3	Quasi-peak measurement procedure
ANSI C63.10 11.12.2.5.1 Trace averaging with continuous EUT transmission at full power  ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions				ANS	I C63.10	11.12.2.4	Peak power measurement procedure
at full power  ☐ ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ☐ ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions			$\boxtimes$	ANS	I C63.10	11.12.2.5	Average power measurement procedures
ANSI C63.10 11.12.2.5.2 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions					ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission
EUT transmissions followed by duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							at full power
duty cycle correction  ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions					ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the
ANSI C63.10 11.12.2.5.3 Reduced VBW averaging across ON and OFF times of the EUT transmissions							EUT transmissions followed by
of the EUT transmissions							duty cycle correction
				$\boxtimes$	ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times
with max hold							of the EUT transmissions
							with max hold



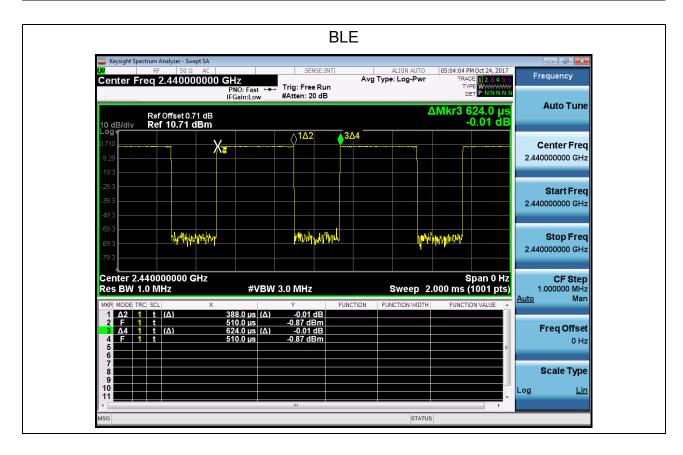
### 6.5. EUT test definition

Item		Radiated	d Emissi	on Band E	dge			
		Fixed point-to-point						
Device Category		Emit multiple direct sequentially	tional be	ams, simulta	aneously or			
	$\boxtimes$	Other cases						
Test mode	Mode	: 1						
		Radiated						
		X Axis	Y	Axis	Z Axis			
		Worst Axis ⊠	Worst A	Axis 🗌	Worst Axis			
		Conducted						
To at we attend		Chain 0						
Test method				•				
		Chain 0			Chain 1			
			•	•				
		Chain 0	Cl	nain 1	Chain 2			
			•	• •				



### 6.6. Duty Cycle

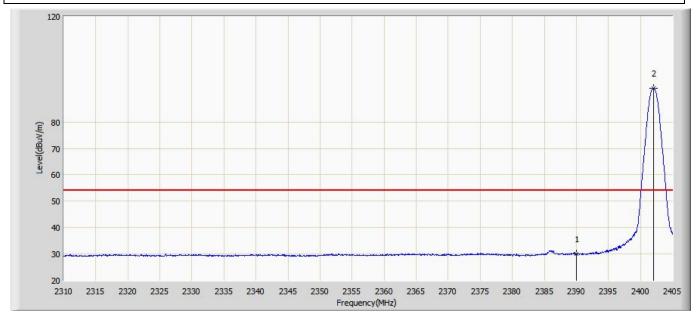
Test Mode	Tx On (ms)	Tx Off (ms)	Reduced VBW (kHz)	Tx On + Tx Off (ms)	Duty Cycle
BLE	0.388	0.236	2.7	0.624	62.18%





### 6.7 Test Result

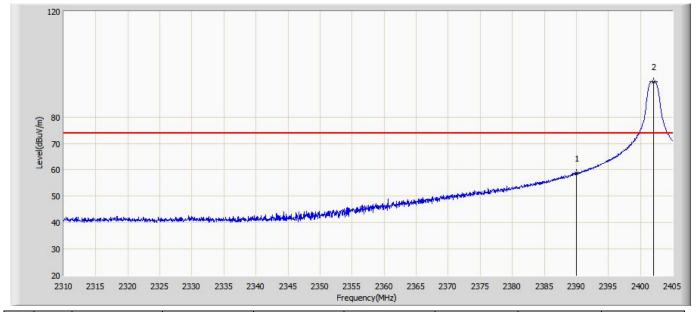
Engineer: Slark					
Site: AC5	Time: 2017/10/31 - 15:39				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal				
EUT: Virtual Reality System	Power: DC 1.5V				
Note: Mode 1:Transmit at 2402MHz by BLE					



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	29.911	0.863	-24.089	54.000	29.048	AV
2	*	2402.008	92.875	63.915	N/A	N/A	28.960	AV



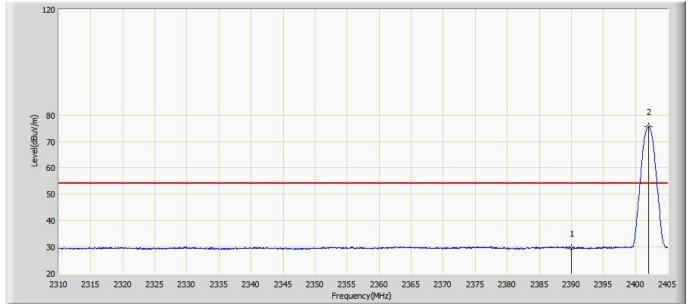
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:09			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2402MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	58.690	29.642	-15.310	74.000	29.048	PK
2	*	2402.103	93.364	64.405	N/A	N/A	28.959	PK



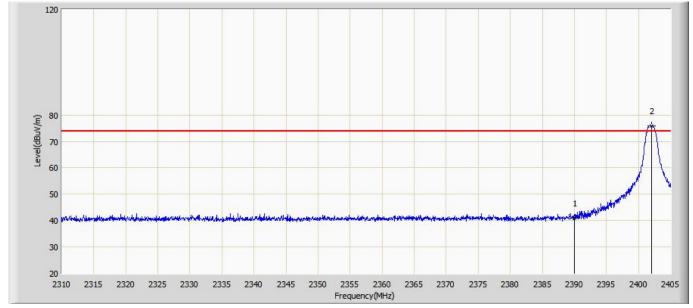
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:11			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2402MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	29.548	0.500	-24.452	54.000	29.048	AV
2	*	2402.008	75.499	46.539	N/A	N/A	28.960	AV



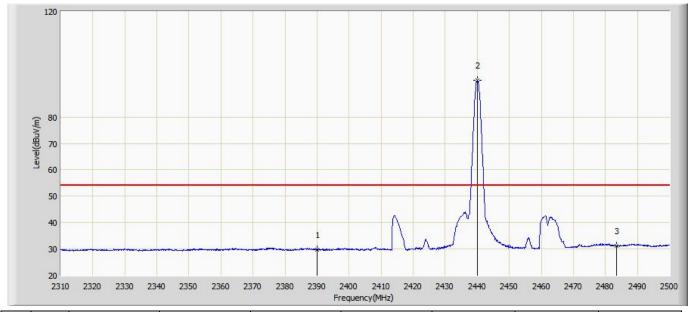
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:12			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2402MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	41.051	12.003	-32.949	74.000	29.048	PK
2	*	2402.103	75.825	46.866	N/A	N/A	28.959	PK



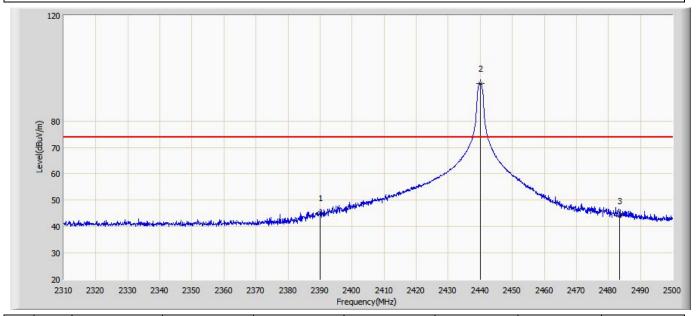
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:15			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	29.722	0.674	-24.278	54.000	29.048	AV
2	*	2439.960	93.864	64.930	N/A	N/A	28.934	AV
3		2483.500	31.160	0.676	-22.840	54.000	30.484	AV



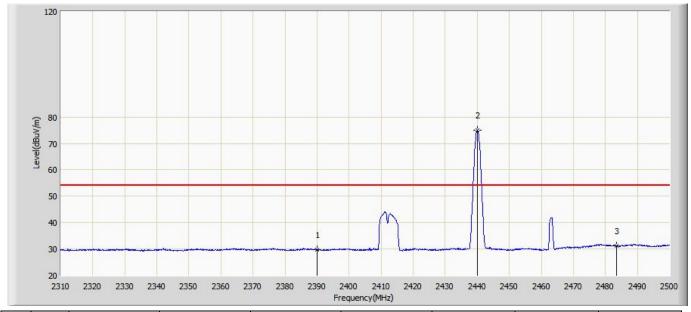
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:18			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	45.322	16.274	-28.678	74.000	29.048	PK
2	*	2440.150	94.223	65.289	N/A	N/A	28.934	PK
3		2483.500	44.210	13.726	-29.790	74.000	30.484	PK



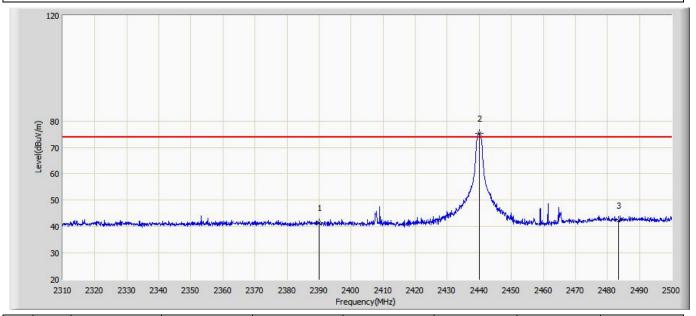
Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:19			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	29.786	0.738	-24.214	54.000	29.048	AV
2	*	2439.960	74.946	46.012	N/A	N/A	28.934	AV
3		2483.500	31.138	0.654	-22.862	54.000	30.484	AV



Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:22			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2440MHz by BLE				



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1		2390.000	41.409	12.361	-32.591	74.000	29.048	PK
2	*	2440.150	75.168	46.234	N/A	N/A	28.934	PK
3		2483.500	42.283	11.799	-31.717	74.000	30.484	PK

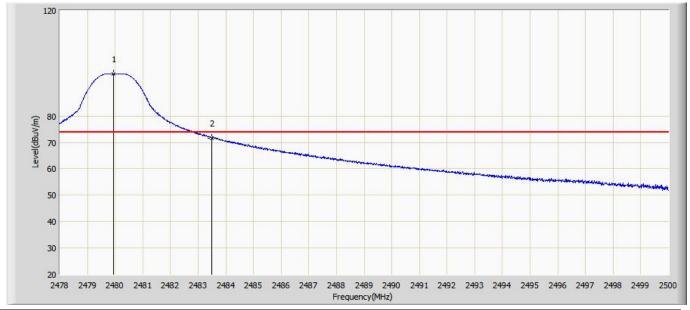


Engineer: Slark				
Site: AC5	Time: 2017/11/02 - 09:24			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal			
EUT: Virtual Reality System	Power: DC 1.5V			
Note: Mode 1:Transmit at 2480MHz by BLE				

No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1	*	2480.024	95.498	64.982	N/A	N/A	30.516	AV
2		2483.500	40.543	10.059	-13.457	54.000	30.484	AV



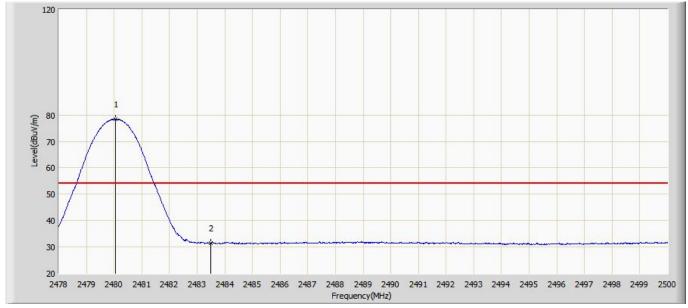
Engineer: Slark	
Site: AC5	Time: 2017/11/02 - 09:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Virtual Reality System	Power: DC 1.5V
Note: Mode 1:Transmit at 2480MHz by BLE	



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Over Limit Limit		Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1	*	2479.947	95.992	65.476	N/A	N/A	30.516	PK
2		2483.500	71.643	41.159	-2.357	74.000	30.484	PK



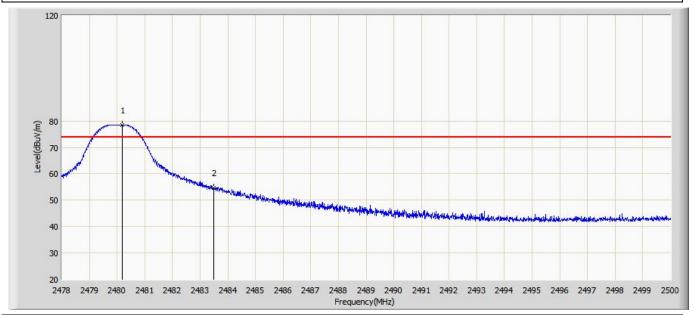
Engineer: Slark					
Site: AC5	Time: 2017/11/02 - 09:30				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical				
EUT: Virtual Reality System	Power: DC 1.5V				
Note: Mode 1:Transmit at 2480MHz by BLE					



No	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
		(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
1	*	2480.057	78.387	47.872	N/A	N/A	30.515	AV
2		2483.500	31.350	0.866	-22.650	54.000	30.484	AV



Engineer: Slark					
Site: AC5	Time: 2017/11/02 - 09:31				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical				
EUT: Virtual Reality System	Power: DC 1.5V				
Note: Mode 1:Transmit at 2480MHz by BLE					



N	lo	Mark	Frequency	Measure Level	Reading Level	Over Limit	Limit	Factor	Туре
			(MHz)	(dBuV/m)	(dBuV)	(dB)	(dBuV/m)	(dB)	
	1	*	2480.178	78.558	48.044	N/A	N/A	30.514	PK
	2		2483.500	54.596	24.112	-19.404	74.000	30.484	PK



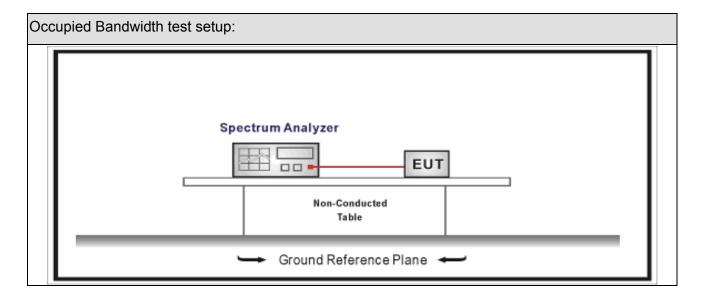
### 7. Occupied Bandwidth

## 7.1. Test Equipment

Occupied Bandwidth / TR-8								
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date			
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03			
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08			
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08			
Temperature/Humidity Mete	rzhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09			

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 7.2. Test Setup





### 7.3. **Limit**

Occu	-:	D	-1	: -141-
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	nea	Dan	L VV	ши

Systems using digital modulation techniques operate in the2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz

### 7.4. Test Procedure

Test	Test Method								
	Reference Rule	Chapter	Description						
$\boxtimes$	ANSI C63.10	11.8	DTS bandwidth						
	ANSI C63.10	11.8.1	Option 1						
	ANSI C63.10	11.8.2	Option 2						

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### 7.5. EUT test definition

Item	Occupied Bandwidth						
		Fixed point-to-point					
Device Category		Emit multiple directional beams, simultaneously or sequentially					
	$\boxtimes$	Other cases					
Test mode	Mode	1					
		Radiated					
		X Axis	Y	Axis	Z Axis		
		Worst Axis	Worst A	axis 🗌	Worst Axis		
	$\boxtimes$	Conducted					
<del>-</del>	$\boxtimes$	☐ Chain 1					
Test method		•					
		Chain 1		(	Chain 2		
			•	•			
		Chain 1	Ch	nain 2	Chain 3		
			• •	• •			



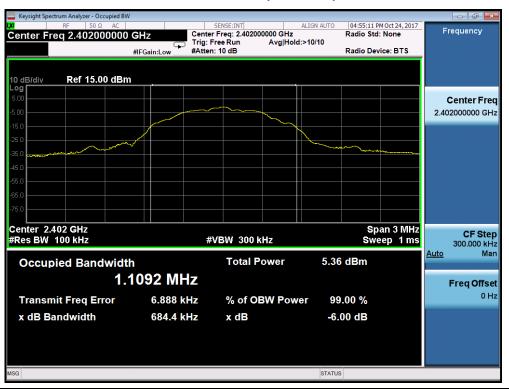
#### 7.6. Test Result

Product Name		Virtual Reality System	Power	:	DC 1.5V
Test Mode		Mode 1	Test Site	:	TR-8
Test Date	:	2017.10.24	Test Engineer	:	Tommy

Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (kHz)	6dB Occupied Bandwidth (kHz)	Limit (kHz)	Result
1	00	2402	1109.2	684.4	>500	Pass
1	19	2440	1116.5	690.9	>500	Pass
1	39	2480	1120.8	698.6	>500	Pass

Note: The worst case of Occupied Bandwidth as below:

### Mode 1 CH00 (2402MHz)





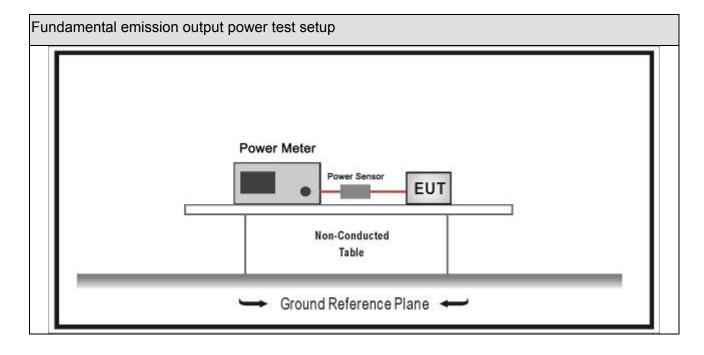
### 8. Fundamental emission output power

### 8.1. Test Equipment

Fundamental emission output power/ TR-8									
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date				
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03				
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.01.04	2018.01.03				
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2017.10.14	2018.10.13				
Power Sensor	Anritsu	MA2411B	0846014	2017.10.14	2018.10.13				
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2017.04.10	2018.04.09				

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 8.2. Test Setup



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## 8.3. **Limit**

Fund	Fundamental emission output power Limit							
$\boxtimes$	Gтх <	<6dBi	P <sub>out</sub> ≤30dBm					
	Gтx >	>6dBi						
		Non-Fix point-point	Pout≪30-( G⊤x -6)					
		Fix point-point	P <sub>out</sub> ≤30-[(G⊤x-6)]/3					
		Point-to-multipoint	P <sub>out</sub> ≤30-(G⊤x-6)					
		Overlap Beams	P <sub>out</sub> ≤30-[(G⊤x-6)]/3					
	Aggregate power transmitted simultaneously on all beams		Pout≤30-[(G⊤x-6)]/3					
	☐ single directional beam Pout≤30-[(G⊤x-6)]/3+8dB							
	Note 1 : GTx directional gain of transmitting antennas.  Note 2 : Pout is maximum peak conducted output power .							

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## 8.4. Test Procedure

Funda	Fundamental emission output power Test Method								
	Refer	ences	Rule		Chapter	Description			
	ANSI	C63.1	10		11.9	Fundamental emission output power			
		ANSI	C63.	10	11.9.1	Maximum peak conducted output power			
			ANSI	C63.10	11.9.1.1	RBW ≥ DTS bandwidth			
			ANSI	C63.10	11.9.1.2	Integrated band power method			
		$\boxtimes$	ANSI	C63.10	11.9.1.3	PKPM1 Peak power meter method			
		ANSI	C63.	10	11.9.2	Maximum conducted (average) output power			
		☐ ANSI C63.10		11.9.2.2	Measurement using a spectrum analyzer (SA)				
		☐ ANSI C63.10		11.9.2.2.2	Method AVGSA-1(Duty cycle≥98%)				
				ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle≥98%)			
				ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle≤98%)			
				ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle≤98%)			
				ANSI C63.10	11.9.2.2.4	Method AVGSA-3			
		☐ ANSI C63.10		11.9.2.2.5	Method AVGSA-3A				
	☐ ANSI C63.10		11.9.2.3	Measurement using a power meter (PM)					
	☐ ANSI C63.10		11.9.2.3.1	Method AVGPM					
				ANSI C63.10	11.9.2.3.2	Method AVGPM-G			



### 8.5. EUT test definition

Item	Fundamental emission output power							
		Fixed point-to-poin	t					
Device Category		Emit multiple directional beams, simultaneously or sequentially						
	$\boxtimes$	Other cases						
Test mode	Mode	: 1						
		Radiated						
		X Axis	Y	Axis	Z Axis			
		Worst Axis	Worst A	Axis 🗌	Worst Axis			
T	$\boxtimes$	☐ Chain 1						
Test method		•						
		Chain 1			Chain 2			
		•		•				
		Chain 1	Cł	nain 2	Chain 3			
			•	• •				



## 8.6. Test Result

Product Name	• •	Virtual Reality System	Power	• •	DC 1.5V
Test Mode	:	Mode 1	Test Site		TR-8
Test Date	• •	2017.10.24	Test Engineer	•	Tommy

Mode	Test Channel Frequency (MHz)		Measurement Power Output (dBm)	Limit (dBm)	Result	
1	00	2402	-0.59	30	Pass	
1	19 2440		-0.85	30	Pass	
1	39	2480	-1.07	30	Pass	

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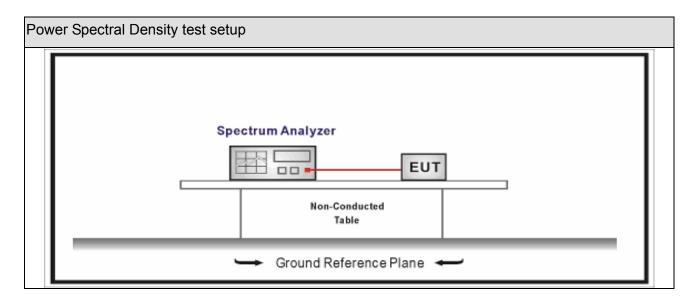
### 9. Power Spectral Density

## 9.1. Test Equipment

Power Spectral Density / TR-8								
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date			
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03			
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.08			
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.08			
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.09			

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

### 9.2. Test Setup



#### 9.3. Limit

Power Spectral Density Limit	
Power Spectral Density≤8dBm/3kHz	



### 9.4. Test Procedure

Powe	Power Spectral Density Test Method								
	Refer	ences Rule	Chapter	Description					
$\boxtimes$	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission					
			Method PKPSD (peak PSD)						
	☐ ANSI C63.10		11.10.3	Method AVGPSD-1(Duty cycle≥98%)					
	☐ ANSI C63.10		11.10.4	Method AVGPSD-1A(Duty cycle≥98%)					
		ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle<98%)					
	ANSI C63.10 11.10.6 Method AVGPSD-2		Method AVGPSD-2A(Duty cycle<98%)						
	ANSI C63.10 11.10.7 Method AVGPS		Method AVGPSD-3						
	☐ ANSI C63.10 11.10.8 Method AVGPSD-3A		Method AVGPSD-3A						

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## 9.5. EUT test definition

Item	Power Spectral Density Test Method						
		Fixed point-to-poin	t				
Device Category		Emit multiple directional beams, simultaneously or sequentially					
		Other cases					
Test mode	Mode	: 1					
		Radiated					
		X Axis	Y	'Axis	Z Axis		
		Worst Axis		Axis 🗌	Worst Axis		
	□ Conducted     □						
Test without	☐ Chain 1						
Test method	•						
		Chain 1			Chain 2		
			•	• •			
		Chain 1 Chain 2		hain 2	Chain 3		
			•	• •			



#### 9.6. Test Result

Product Name	Virtual Reality System	Power	:	DC 1.5V
Test Mode	Mode 1	Test Site	:	TR-8
Test Date	2017.10.24	Test Engineer	:	Tommy

Mode	Channel	Test Frequency (MHz)	Measurement PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	00	2402	-0.930	-0.930	8	Pass
1	19	2440	-1.316	-1.316	8	Pass
1	39	2480	-1.589	-1.589	8	Pass

Note: The worst case of Power Spectral Density as below:

### Mode 1 CH00(2402MHz)



Report No: 1792054R-RF-US-P06V02



#### 10. Antenna Requirement

#### 10.1. Limit

#### Antenna Requirement Limit

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

#### 10.2. Antenna Connector Construction

Antenna Connector Construction				
	The use of a permanently attached antenna			
	The antenna use of a unique coupling to the intentional radiator			
	The use of a nonstandard antenna jack or electrical connector			
Please refer to the attached document "Internal Photograph" to show the antenna connector.				