

TEST REPORT

Product Name : Smart Anti-Snore Pillow

Brand Mark : nitetronic

Model No. : Z1

Extension model : Z2, Z3, Z6, Z7, Z8

Report Number : BLA-EMC-202207-A3403

FCC ID : 2A85N-ZXL-US

Date of Sample Receipt : 2022/7/14

Date of Test : 2022/7/14 to 2022/10/21

Date of Issue : 2022/10/21

Test Standard : 47 CFR Part 15, Subpart C 15.247

Test Result : Pass

Josu Bheng

Prepared for:

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Approved by:

Review by:

Date:







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REPORT REVISE RECORD

Version No. Date		Description		
00	2022/10/21	Original		





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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass



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2 GENERAL INFORMATION

Applicant	Shanghai BackRobo Wellness Co.,Ltd		
Address	Room 902, Building B, Hongqiao Free Trade City, No. 125 Laiting South Road, Jiuting Town, Songjiang District, Shanghai		
Manufacturer	Shanghai BackRobo Wellness Co.,Ltd		
Address	Room 902, Building B, Hongqiao Free Trade City, No. 125 Laiting South Road, Jiuting Town, Songjiang District, Shanghai		
Factory	IKEN INDUSTRIAL (SUZHOU) CO., LTD.		
Address	Dongying Economic Development Zone, Huangjing Town. Taicang City 215427, JIANGSU Province, China		
Product Name	Smart Anti-Snore Pillow		
Test Model No.	Z1		
Extension model	Z2, Z3, Z6, Z7, Z8		
Note	All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are model name for commercial purpose.		

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	N/A
Software Version	V0.39
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB Antenna
Antenna Gain:	1.97dBi (Provided by the applicant)



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4 TEST ENVIRONMENT

Environment	Temperature	Voltage		
Normal	25°C	DC5V		

5 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
TX	Keep the EUT in transmitting mode
Remark:Only th	e data of the worst mode would be recorded in this report,

6 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission(9kHz-30MHz)	±4.34dB
Radiated Emission(30Mz-1000MHz)	±4.24dB
Radiated Emission(1GHz-18GHz)	±4.68dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB



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7 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
AC Adapter	UGREEN	CD112	N/A	N/A

8 LABORATORY LOCATION

All tests were performed at:

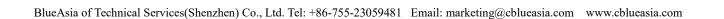
BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province,

China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.





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9 TEST INSTRUMENTS LIST

Test Equipment Of Conducted Peak Output Power					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Spectrum	Agilent	N9020A	MY49100060	24/9/2022	23/9/2023
Signal Generator	Agilent	N5182A	MY49060650	24/9/2022	23/9/2023
Signal Generator	Agilent	E8257D	MY44320250	24/9/2022	23/9/2023

Test Equipment Of Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Spectrum	Agilent	N9020A	MY49100060	24/9/2022	23/9/2023
Signal Generator	Agilent	N5182A	MY49060650	24/9/2022	23/9/2023
Signal Generator	Agilent	E8257D	MY44320250	24/9/2022	23/9/2023

Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	25/11/2020	24/11/2023
Receiver	R&S	ESPI3	101082	24/9/2022	23/9/2023
LISN	R&S	ENV216	3560.6550.15	24/9/2022	23/9/2023
LISN	AT	AT166-2	AKK1806000003	26/9/2022	25/9/2023
EMI software	EZ	EZ-EMC	N/A	N/A	N/A

Test Equipment Of Conducted Band Edges Measurement					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due



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Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Spectrum	Agilent	N9020A	MY49100060	24/9/2022	23/9/2023
Signal Generator	Agilent	N5182A	MY49060650	24/9/2022	23/9/2023
Signal Generator	Agilent	E8257D	MY44320250	24/9/2022	23/9/2023

Test Equipment Of	Test Equipment Of Radiated Emissions which fall in the restricted bands				
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	10/11/2020	9/11/2023
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Receiver	R&S	ESR7	101199	24/9/2022	23/9/2023
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2022	25/9/2023
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2022	25/9/2023
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2022	+23/9/2023
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2022	25/9/2023

Test Equipment Of	Test Equipment Of Conducted Spurious Emissions				
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Spectrum	Agilent	N9020A	MY49100060	24/9/2022	23/9/2023
Signal Generator	Agilent	N5182A	MY49060650	24/9/2022	23/9/2023
Signal Generator	Agilent	E8257D	MY44320250	24/9/2022	23/9/2023



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Test Equipment Of	Test Equipment Of Power Spectrum Density				
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Spectrum	Agilent	N9020A	MY49100060	24/9/2022	23/9/2023
Signal Generator	Agilent	N5182A	MY49060650	24/9/2022	23/9/2023
Signal Generator	Agilent	E8257D	MY44320250	24/9/2022	23/9/2023

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	10/11/2020	9/11/2023
Spectrum	R&S	FSP40	100817	24/9/2022	23/9/2023
Receiver	R&S	ESR7	101199	24/9/2022	23/9/2023
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	26/9/2022	25/9/2023
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	26/9/2022	25/9/2023
Amplifier	SKET	LNPA-0118-45	N/A	24/9/2022	23/9/2023
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	26/9/2022	25/9/2023



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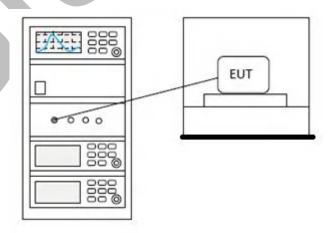
10 CONDUCTED PEAK OUTPUT POWER

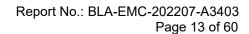
Test Standard	47 CFR Part 15, Subpart C 15.247		
Test Method	ANSI C63.10 (2013) Section 7.8.5		
Test Mode (Pre-Scan)	TX		
Test Mode (Final Test)	TX		
Tester	Jozu		
Temperature	25℃		
Humidity	60%		

10.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
	1 for frequency hopping systems and digital
5725-5850	modulation

10.2 BLOCK DIAGRAM OF TEST SETUP







10.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details





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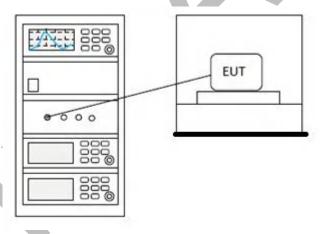
11 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247			
Test Method	ANSI C63.10 (2013) Section 11.8.1			
Test Mode (Pre-Scan)	TX			
Test Mode (Final Test)	TX			
Tester	Jozu			
Temperature	25℃			
Humidity	60%			

11.1 LIMITS

Limit: ≥500 kHz

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details



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12 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

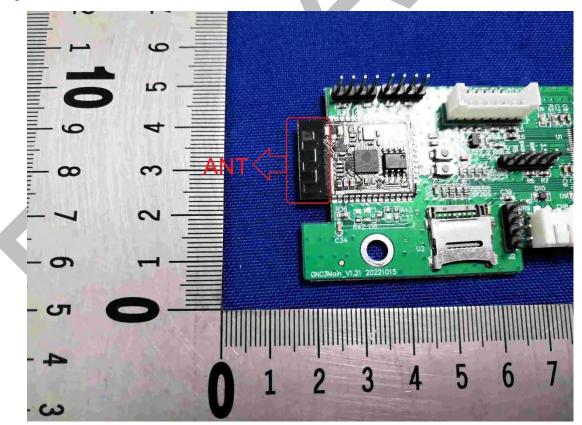
12.1 CONCLUSION

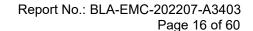
Standard Requirement:

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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.97dBi.







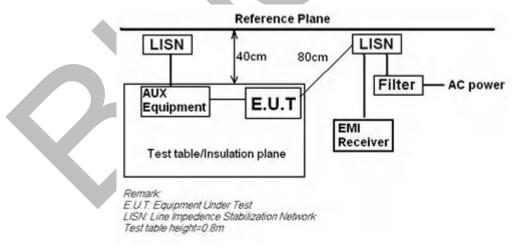
13 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

Test Standard	47 CFR Part 15, Subpart C 15.247		
Test Method	ANSI C63.10 (2013) Section 6.2		
Test Mode (Pre-Scan)	TX		
Test Mode (Final Test)	TX		
Tester	Jozu		
Temperature	25℃		
Humidity	60%		

13.1 LIMITS

Frequency of		Conducted limit(dBμV)						
emission(MHz)	Quasi-pea	ık	Average					
0.15-0.5	66 to 56*		56 to 46*					
0.5-5	56		46					
5-30	60		50					
*Decreases with the logarithm	of the frequency.							

13.2 BLOCK DIAGRAM OF TEST SETUP



13.3 PROCEDURE

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.



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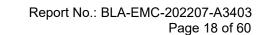
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

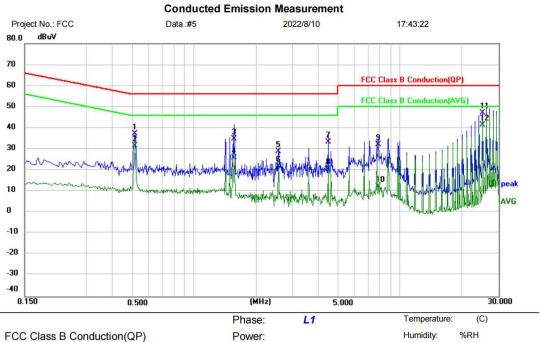






13.4 TEST DATA

[TestMode: TX]; [Line: Line] ;[Power:AC120V/60Hz]



Limit: FCC Class B Conduction(QP)

EUT: Anti Snoring pillow

M/N: GN03P Mode: BLE mode

Note:

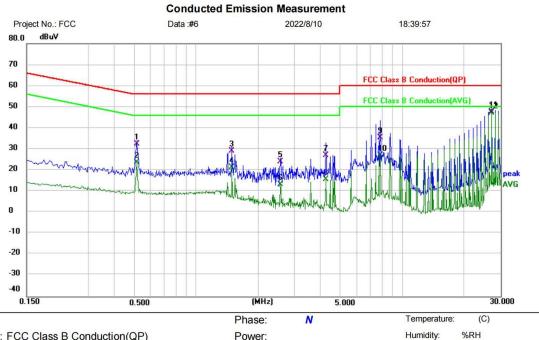
Site

MHz dBuV dB dBuV dBuV dB Detector Comment 1 0.5140 37.62 -0.34 37.28 56.00 -18.72 QP 2 0.5140 31.79 -0.34 31.45 46.00 -14.55 AVG 3 1.5660 34.52 0.18 34.70 56.00 -21.30 QP 4 1.5660 25.62 0.18 25.80 46.00 -20.20 AVG 5 2.5660 28.81 0.19 29.00 56.00 -27.00 QP 6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.	No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
2 0.5140 31.79 -0.34 31.45 46.00 -14.55 AVG 3 1.5660 34.52 0.18 34.70 56.00 -21.30 QP 4 1.5660 25.62 0.18 25.80 46.00 -20.20 AVG 5 2.5660 28.81 0.19 29.00 56.00 -27.00 QP 6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
3 1.5660 34.52 0.18 34.70 56.00 -21.30 QP 4 1.5660 25.62 0.18 25.80 46.00 -20.20 AVG 5 2.5660 28.81 0.19 29.00 56.00 -27.00 QP 6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	1	0.5140	37.62	-0.34	37.28	56.00	-18.72	QP	
4 1.5660 25.62 0.18 25.80 46.00 -20.20 AVG 5 2.5660 28.81 0.19 29.00 56.00 -27.00 QP 6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	2	0.5140	31.79	-0.34	31.45	46.00	-14.55	AVG	
5 2.5660 28.81 0.19 29.00 56.00 -27.00 QP 6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	3	1.5660	34.52	0.18	34.70	56.00	-21.30	QP	
6 2.5660 21.78 0.19 21.97 46.00 -24.03 AVG 7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	4	1.5660	25.62	0.18	25.80	46.00	-20.20	AVG	
7 4.4660 33.27 0.18 33.45 56.00 -22.55 QP 8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	5	2.5660	28.81	0.19	29.00	56.00	-27.00	QP	
8 4.4660 20.56 0.18 20.74 46.00 -25.26 AVG 9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	6	2.5660	21.78	0.19	21.97	46.00	-24.03	AVG	
9 7.8300 32.01 0.20 32.21 60.00 -27.79 QP 10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	7	4.4660	33.27	0.18	33.45	56.00	-22.55	QP	
10 7.8300 12.23 0.20 12.43 50.00 -37.57 AVG 11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	8	4.4660	20.56	0.18	20.74	46.00	-25.26	AVG	
11 25.1580 46.70 0.39 47.09 60.00 -12.91 QP	9	7.8300	32.01	0.20	32.21	60.00	-27.79	QP	
	10	7.8300	12.23	0.20	12.43	50.00	-37.57	AVG	
12 * 25 1580 41 15 0 39 41 54 50 00 -8 46 AVG	11	25.1580	46.70	0.39	47.09	60.00	-12.91	QP	
12 20.1000 41.10 0.00 41.04 00.00 0.40 740	12 *	25.1580	41.15	0.39	41.54	50.00	-8.46	AVG	

*:Maximum data (Reference Only x:Over limit !:over margin



[TestMode: TX]; [Line: Nutral] ;[Power:AC120V/60Hz]



Limit: FCC Class B Conduction(QP)

EUT: Anti Snoring pillow

M/N: GN03P Mode: BLE mode

Note:

Site

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.5140	32.74	-0.34	32.40	56.00	-23.60	QP	
2	0.5140	24.09	-0.34	23.75	46.00	-22.25	AVG	
3	1.4900	29.10	0.18	29.28	56.00	-26.72	QP	
4	1.4900	21.32	0.18	21.50	46.00	-24.50	AVG	
5	2.5660	23.97	0.19	24.16	56.00	-31.84	QP	
6	2.5660	13.10	0.19	13.29	46.00	-32.71	AVG	
7	4.2540	26.91	0.18	27.09	56.00	-28.91	QP	
8	4.2540	15.56	0.18	15.74	46.00	-30.26	AVG	
9	7.8260	35.32	0.20	35.52	60.00	-24.48	QP	
10	7.8260	26.99	0.20	27.19	50.00	-22.81	AVG	
11	27.2100	47.42	0.39	47.81	60.00	-12.19	QP	
12 *	27.2100	46.83	0.39	47.22	50.00	-2.78	AVG	

Power:

*:Maximum data x:Over limit !:over margin (Reference Only



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14 CONDUCTED BAND EDGES MEASUREMENT

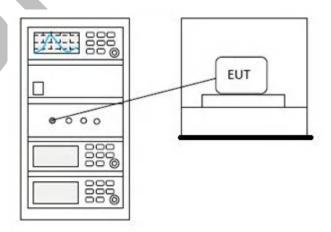
Test Standard	47 CFR Part 15, Subpart C 15.247						
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2						
Test Mode (Pre-Scan)	TX						
Test Mode (Final Test)	TX						
Tester	Jozu						
Temperature	25℃						
Humidity	60%						

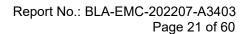
14.1 LIMITS

Limit:

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 §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

14.2 BLOCK DIAGRAM OF TEST SETUP







14.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details





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15 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

Test Standard	47 CFR Part 15, Subpart C 15.247						
Test Method	ANSI C63.10 (2013) Section 6.10.5						
Test Mode (Pre-Scan)	TX						
Test Mode (Final Test)	TX						
Tester	Jozu						
Temperature	25℃						
Humidity	60%						

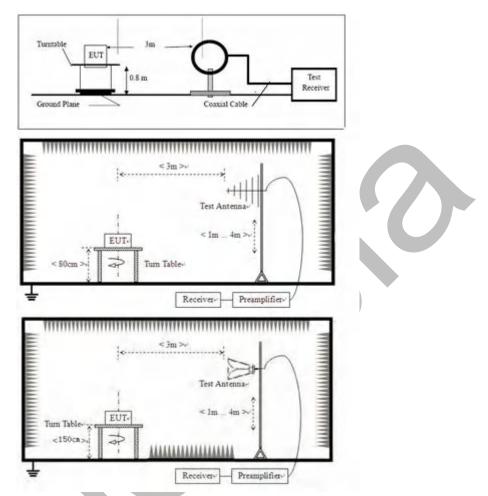
15.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 PROCEDURE

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.





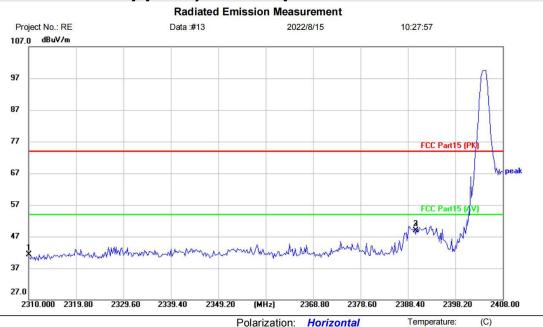
Humidity:

%RH

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15.4 TEST DATA

[TestMode: TX low channel]; [Polarity: Horizontal]



Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

M/N: HTR-U29 Mode: BLE TX-L

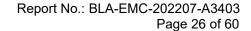
Note:

Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	44.33	-3.02	41.31	74.00	-32.69	peak		
2	*	2390.000	51.34	-2.50	48.84	74.00	-25.16	peak		
3	*	2390.000	51.34	-2.50	48.84	74.00	-25.16	peak		

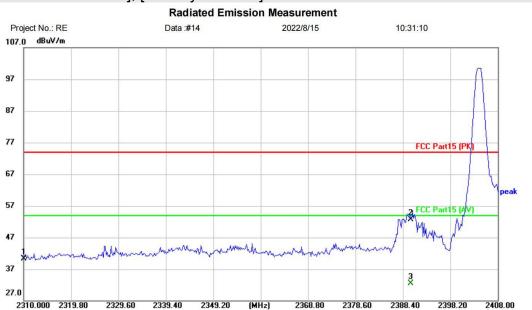
Power:

*:Maximum data x:Over limit !:over margin (Reference Only





[TestMode: TX low channel]; [Polarity: Vertical]



Polarization:

Power:

Vertical

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

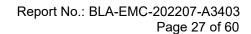
M/N: HTR-U29 Mode: BLE TX-L

Note:

Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	43.33	-3.02	40.31	74.00	-33.69	peak	
2	*	2390.000	55.30	-2.50	52.80	74.00	-21.20	peak	
3		2390.000	35.02	-2.50	32.52	54.00	-21.48	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}



Temperature:

Humidity:

(C)

%RH



[TestMode: TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement Project No.: RE Data :#19 2022/8/15 10:50:40 107.0 dBuV/m 97 87 77 FCC Part15 (PK) 67 57 FCC Part15 (AV) 47 37 27.0 2478.000 2480.20 2482.40 2484.60 2486.80 2491.20 2493.40 2495.60 2497.80

Polarization: Horizontal

Site Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

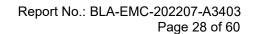
M/N: HTR-U29 Mode: BLE TX-H

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	53.09	-2.52	50.57	74.00	-23.43	peak	
2		2500.000	46.08	-2.55	43.53	74.00	-30.47	peak	

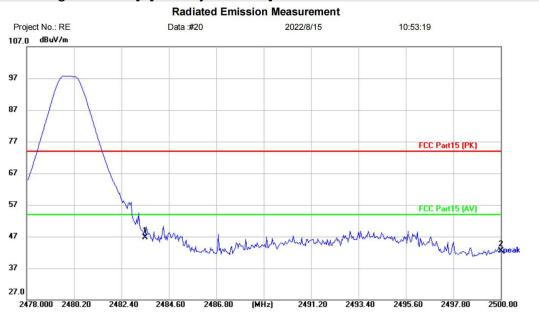
Power:

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}





[TestMode: TX high channel]; [Polarity: Vertical]



Polarization:

Power:

Vertical

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

M/N: HTR-U29 Mode: BLE TX-H

Note:

Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment		Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	49.29	-2.52	46.77	74.00	-27.23	peak	
2		2500.000	45.01	-2.55	42.46	74.00	-31.54	peak	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}



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16 CONDUCTED SPURIOUS EMISSIONS

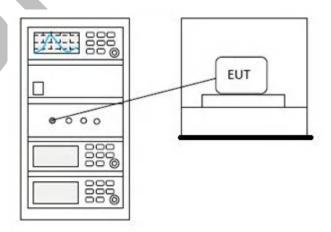
Test Standard	47 CFR Part 15, Subpart C 15.247						
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11						
Test Mode (Pre-Scan)	TX						
Test Mode (Final Test)	TX						
Tester	Jozu						
Temperature	25℃						
Humidity	60%						

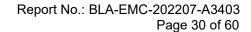
16.1 LIMITS

Limit:

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 §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

16.2 BLOCK DIAGRAM OF TEST SETUP







16.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details





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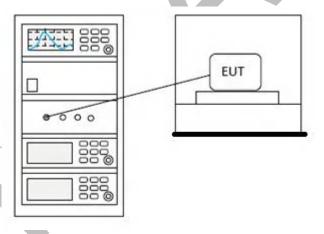
17 POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

17.1 LIMITS

Limit: | ≤8dBm in any 3 kHz band during any time interval of continuous transmission

17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details



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18 RADIATED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247					
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6					
Test Mode (Pre-Scan)	TX					
Test Mode (Final Test)	TX					
Tester	Jozu					
Temperature	25℃					
Humidity	60%					

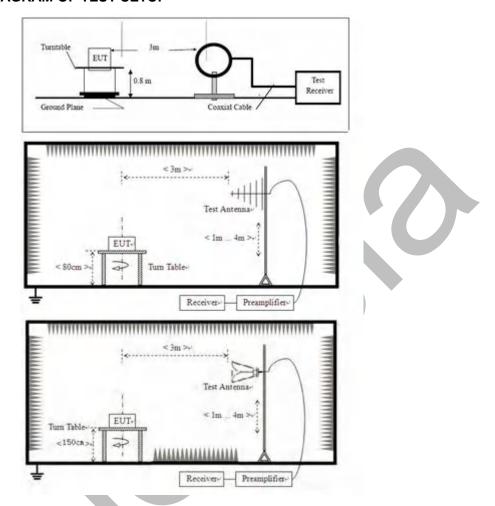
18.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
0.009-0.490	2400/F(kHz)	300		
0.490-1.705	24000/F(kHz)	30		
1.705-30.0	30	30		
30-88	100	3		
88-216	150	3		
216-960	200	3		
Above 960	500	3		

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



18.2 BLOCK DIAGRAM OF TEST SETUP



18.3 PROCEDURE

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.





(C)

%RH

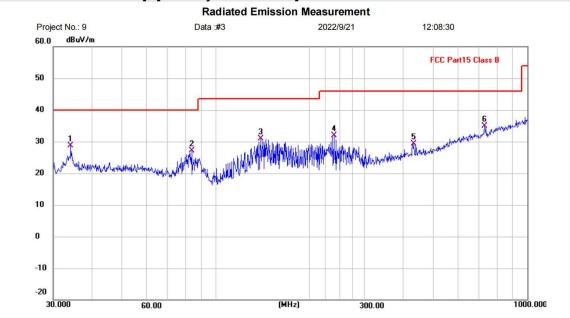
Temperature:

Humidity:

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18.4 TEST DATA

[TestMode: TX below 1G]; [Polarity: Horizontal]



Polarization: Horizontal

Site Limit: FCC Part15 Class B EUT: Anti Snoring pillow

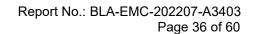
M/N: GN03P Mode: BLE mode

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	34.1560	5.99	22.62	28.61	40.00	-11.39	QP	Р	
2	83.5221	7.96	19.10	27.06	40.00	-12.94	QP	Р	
3	139.3611	8.00	22.99	30.99	43.50	-12.51	QP	Р	
4	239.1472	9.60	22.40	32.00	46.00	-14.00	QP	Р	
5	432.5456	2.44	26.95	29.39	46.00	-16.61	QP	Р	
6 *	729.3582	2.80	32.12	34.92	46.00	-11.08	QP	Р	

Power:

^{*:}Maximum data x:Over limit !:over margin

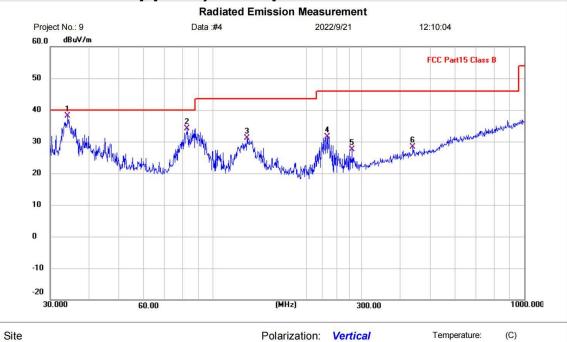


Humidity:

%RH



[TestMode: TX below 1G]; [Polarity: Vertical]



Limit: FCC Part15 Class B EUT: Anti Snoring pillow

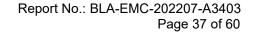
M/N: GN03P Mode: BLE mode

Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	34.1560	15.42	22.62	38.04	40.00	-1.96	QP	Р	
2	82.6481	15.07	19.13	34.20	40.00	-5.80	QP	Р	
3	128.5629	8.51	22.57	31.08	43.50	-12.42	QP	Р	
4	233.3486	9.43	22.08	31.51	46.00	-14.49	QP	Р	
5	280.0237	4.39	23.12	27.51	46.00	-18.49	QP	Р	
6	438.6554	1.31	27.01	28.32	46.00	-17.68	QP	Р	

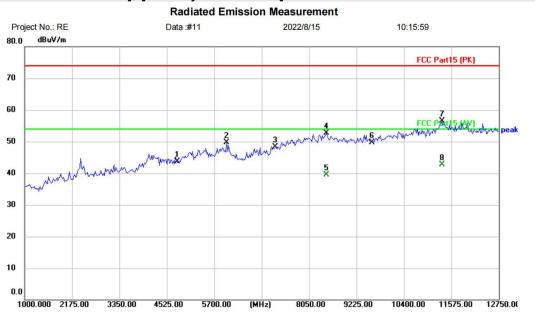
Power:

^{*:}Maximum data x:Over limit !:over margin





[TestMode: TX low channel]; [Polarity: Horizontal]



Polarization:

Power:

Horizontal

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

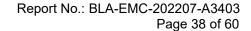
M/N: HTR-U29 Mode: BLE TX-L

Note:

Site

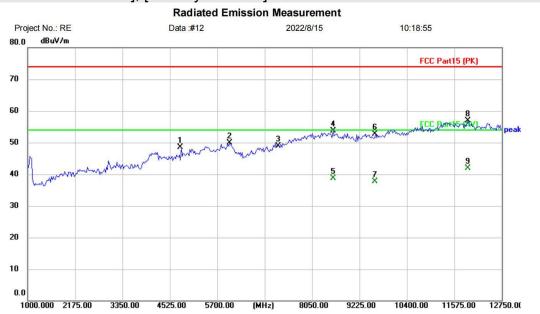
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	38.21	5.53	43.74	74.00	-30.26	peak	
2		6005.500	42.98	6.76	49.74	74.00	-24.26	peak	
3		7206.000	38.76	9.60	48.36	74.00	-25.64	peak	
4		8473.000	39.76	12.92	52.68	74.00	-21.32	peak	
5		8473.000	26.49	12.92	39.41	54.00	-14.59	AVG	
6		9608.000	37.03	12.75	49.78	74.00	-24.22	peak	
7	10	11340.000	39.17	17.25	56.42	74.00	-17.58	peak	
8	*	11340.000	25.41	17.25	42.66	54.00	-11.34	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}





[TestMode: TX low channel]; [Polarity: Vertical]



Polarization:

Power:

Vertical

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

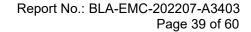
M/N: HTR-U29 Mode: BLE TX-L

Note:

Site

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	43.04	5.53	48.57	74.00	-25.43	peak	
2		6005.500	43.08	6.76	49.84	74.00	-24.16	peak	
3		7206.000	39.34	9.60	48.94	74.00	-25.06	peak	
4		8567.000	40.60	13.04	53.64	74.00	-20.36	peak	
5		8567.000	25.76	13.04	38.80	54.00	-15.20	AVG	
6		9608.000	39.89	12.75	52.64	74.00	-21.36	peak	
7		9608.000	24.91	12.75	37.66	54.00	-16.34	AVG	
8		11904.000	39.74	17.15	56.89	74.00	-17.11	peak	
9	*	11904.000	24.84	17.15	41.99	54.00	-12.01	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}





[TestMode: TX mid channel]; [Polarity: Horizontal]

Radiated Emission Measurement Project No.: RE Data :#15 2022/8/15 10:36:55 dBuV/m 80.0 FCC Part15 (PK) 70 60 FCC PANALE (AV) 50 8 8 40 5 X 30 20 10 10400.00 11575.00 12750.00 1000.000 2175.00 3350.00 4525.00 5700.00 (MHz) 9225.00

Polarization:

Power:

Horizontal

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

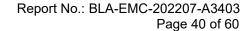
M/N: HTR-U29 Mode: BLE TX-M

Note:

Site

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	4884.000	39.91	5.81	45.72	74.00	-28.28	peak	
2	5958.500	39.54	9.45	48.99	74.00	-25.01	peak	
3	7326.000	39.06	10.03	49.09	74.00	-24.91	peak	
4	8637.500	39.62	12.97	52.59	74.00	-21.41	peak	
5	8637.500	25.14	12.97	38.11	54.00	-15.89	AVG	
6	9768.000	36.65	14.20	50.85	74.00	-23.15	peak	
7	11293.000	38.88	17.07	55.95	74.00	-18.05	peak	
8 *	11293.000	25.00	17.07	42.07	54.00	-11.93	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}





[TestMode: TX mid channel]; [Polarity: Vertical]

Radiated Emission Measurement Project No.: RE Data :#16 2022/8/15 10:39:51 dBuV/m 80.0 FCC Part15 (PK) 70 60 50 9 X 40 30 20 10 10400.00 11575.00 12750.00 1000.000 2175.00 3350.00 4525.00 5700.00 (MHz) 9225.00

Polarization:

Power:

Vertical

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

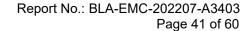
M/N: HTR-U29 Mode: BLE TX-M

Note:

Site

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	4884.000	40.31	5.81	46.12	74.00	-27.88	peak	
2	6005.500	43.72	6.76	50.48	74.00	-23.52	peak	
3	7326.000	39.10	10.03	49.13	74.00	-24.87	peak	
4	8238.000	40.67	11.95	52.62	74.00	-21.38	peak	
5	8238.000	26.28	11.95	38.23	54.00	-15.77	AVG	
6	9768.000	37.87	14.20	52.07	74.00	-21.93	peak	
7	9768.000	24.98	14.20	39.18	54.00	-14.82	AVG	
8	11316.500	39.41	17.16	56.57	74.00	-17.43	peak	
9 *	11316.500	25.28	17.16	42.44	54.00	-11.56	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}

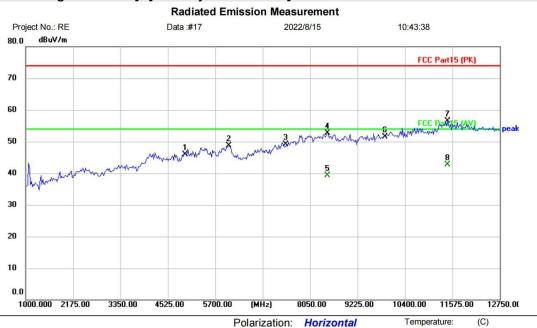


Humidity:

%RH



[TestMode: TX high channel]; [Polarity: Horizontal]



Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

M/N: HTR-U29 Mode: BLE TX-H

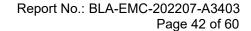
Note:

Site

No. MI	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	4960.000	39.01	6.84	45.85	74.00	-28.15	peak	
2	6029.000	41.95	6.80	48.75	74.00	-25.25	peak	
3	7440.000	38.55	10.46	49.01	74.00	-24.99	peak	
4	8473.000	39.73	12.92	52.65	74.00	-21.35	peak	
5	8473.000	26.35	12.92	39.27	54.00	-14.73	AVG	
6	9920.000	36.50	14.94	51.44	74.00	-22.56	peak	
7	11457.500	39.07	17.50	56.57	74.00	-17.43	peak	
8 *	11457.500	25.18	17.50	42.68	54.00	-11.32	AVG	

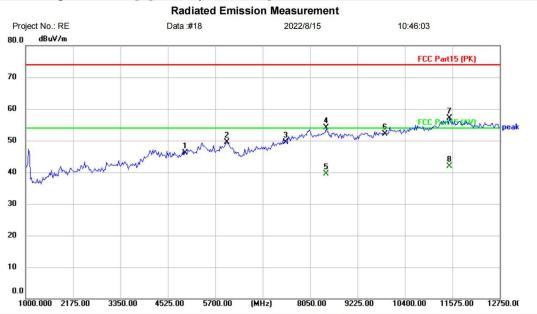
Power:

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}





[TestMode: TX high channel]; [Polarity: Vertical]



Polarization:

Power:

Vertical

Temperature:

Humidity:

(C)

%RH

Limit: FCC Part15 (PK)

EUT: Bluetooth voice remote control

M/N: HTR-U29 Mode: BLE TX-H

Note:

Site

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	4960.000	39.20	6.84	46.04	74.00	-27.96	peak	
2	5982.000	39.72	9.70	49.42	74.00	-24.58	peak	
3	7440.000	39.07	10.46	49.53	74.00	-24.47	peak	
4	8449.500	41.17	12.89	54.06	74.00	-19.94	peak	
5	8449.500	26.57	12.89	39.46	54.00	-14.54	AVG	
6	9920.000	37.18	14.94	52.12	74.00	-21.88	peak	
7	11504.500	39.58	17.52	57.10	74.00	-16.90	peak	
8 *	11504.500	24.41	17.52	41.93	54.00	-12.07	AVG	

*:Maximum data x:Over limit !:over margin \(\text{Reference Only}



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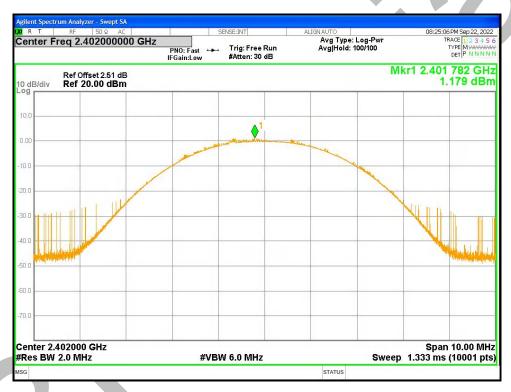
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Appendix1

Maximum Conducted Output Power

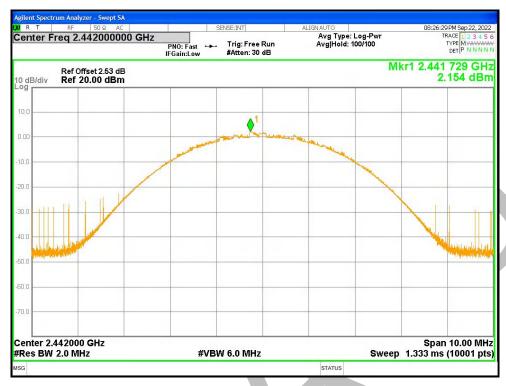
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	1.179	30	Pass
NVNT	BLE	2442	Ant1	2.154	30	Pass
NVNT	BLE	2480	Ant1	1.513	30	Pass

Power NVNT BLE 2402MHz Ant1



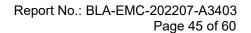
Power NVNT BLE 2442MHz Ant1





Power NVNT BLE 2480MHz Ant1







-6dB Bandwidth

Condition	Mode	Frequency	Antenna	-6 dB Bandwidth	Limit -6 dB	Verdict
		(MHz)		(MHz)	Bandwidth (MHz)	
NVNT	BLE	2402	Ant1	0.61	0.5	Pass
NVNT	BLE	2442	Ant1	0.591	0.5	Pass
NVNT	BLE	2480	Ant1	0.628	0.5	Pass

-6dB Bandwidth NVNT BLE 2402MHz Ant1



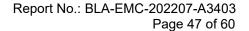
-6dB Bandwidth NVNT BLE 2442MHz Ant1





-6dB Bandwidth NVNT BLE 2480MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.0222
NVNT	BLE	2442	Ant1	1.0248
NVNT	BLE	2480	Ant1	1.0177

OBW NVNT BLE 2402MHz Ant1



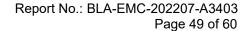
OBW NVNT BLE 2442MHz Ant1





OBW NVNT BLE 2480MHz Ant1







Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	0.578	8	Pass
NVNT	BLE	2442	Ant1	1.355	8	Pass
NVNT	BLE	2480	Ant1	1.635	8	Pass

PSD NVNT BLE 2402MHz Ant1



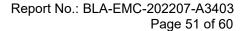
PSD NVNT BLE 2442MHz Ant1





PSD NVNT BLE 2480MHz Ant1







Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-53.99	-30	Pass
NVNT	BLE	2480	Ant1	-51.27	-30	Pass

Band Edge NVNT BLE 2402MHz Ant1 Ref



Band Edge NVNT BLE 2402MHz Ant1 Emission



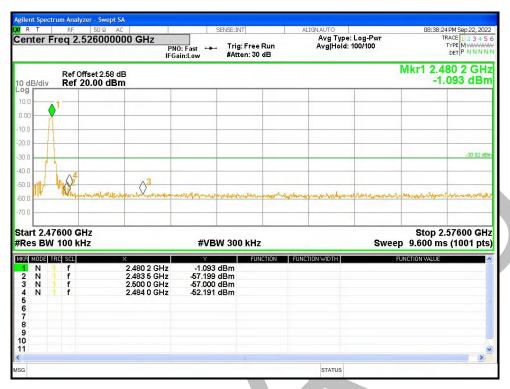


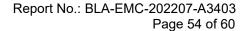
Band Edge NVNT BLE 2480MHz Ant1 Ref



Band Edge NVNT BLE 2480MHz Ant1 Emission









Conducted RF Spurious Emission

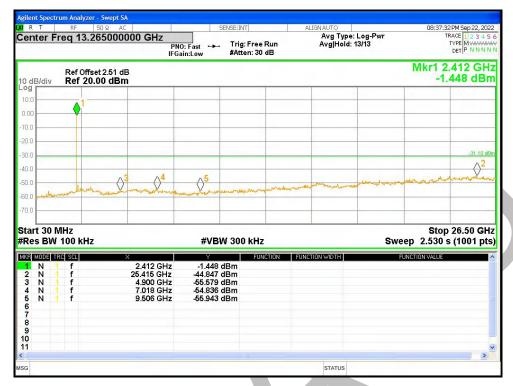
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-43.74	-30	Pass
NVNT	BLE	2442	Ant1	-42.96	-30	Pass
NVNT	BLE	2480	Ant1	-43.82	-30	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



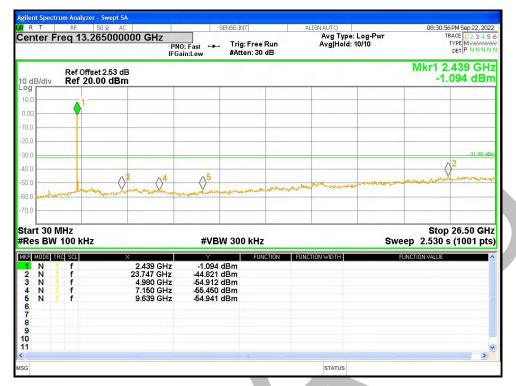


Tx. Spurious NVNT BLE 2442MHz Ant1 Ref



Tx. Spurious NVNT BLE 2442MHz Ant1 Emission



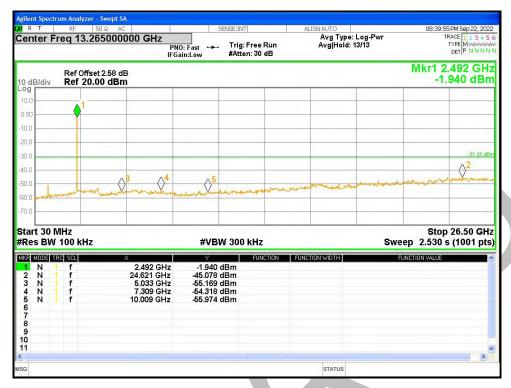


Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



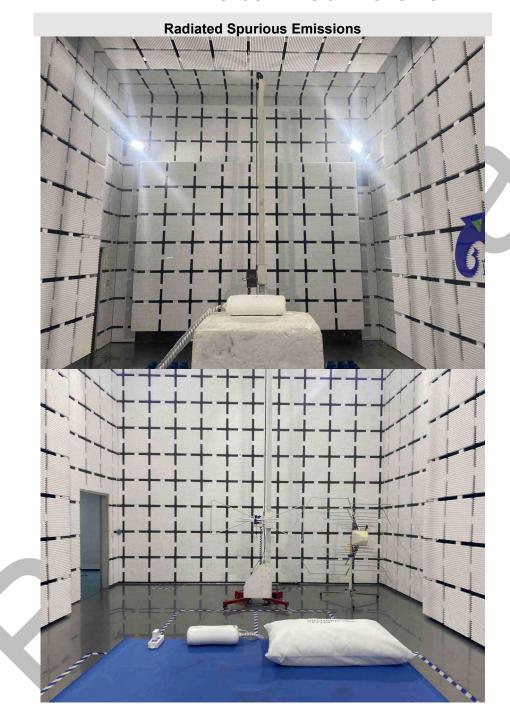
Tx. Spurious NVNT BLE 2480MHz Ant1 Emission

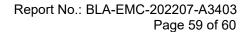




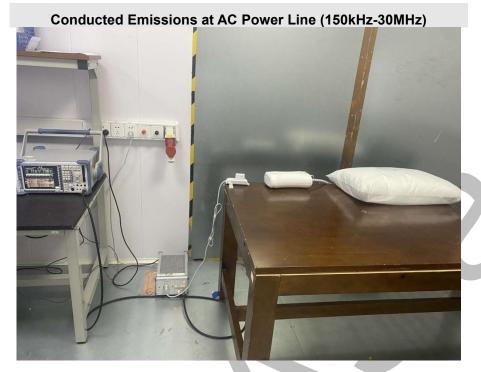


APPENDIX A: PHOTOGRAPHS OF TEST SETUP











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APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202207-A3401

----END OF REPORT----

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