

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-A3402
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

Prepared for:

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2022/10/21



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
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
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
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
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 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
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
Dwell Time	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.4	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Hopping Channel Number	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.3	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Carrier Frequencies Separation	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.2	47 CFR Part 15, Subpart C 15.247a(1)	Pass
20dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.7	47 CFR Part 15, Subpart C 15.247(a)(1)	Pass

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, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB Antenna
Antenna Gain:	1.97dBi (Provided by the applicant)

4 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	25°C	DC5V

5 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
Transmitting mode	Keep the EUT in continuously transmitting mode with modulation. (hopping and non hopping mode all have been tested, non hopping mode is worse case for RE)
Remark: DH1,DH3, DH5 all have been tested, during the test, GFSK, Pi/4QPSK, 8-DPSK modulation were all pre-scanned only GFSK worse case is reported.	

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

7 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
AC Adapter (UGREEN)	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, Shiyuan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
No tests were sub-contracted.

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 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 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

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 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

Test Equipment Of Conducted Band Edges Measurement

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 Dwell Time

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 Hopping Channel Number

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	24/9/2021	23/9/2022

Test Equipment Of Carrier Frequencies Separation

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 20dB 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

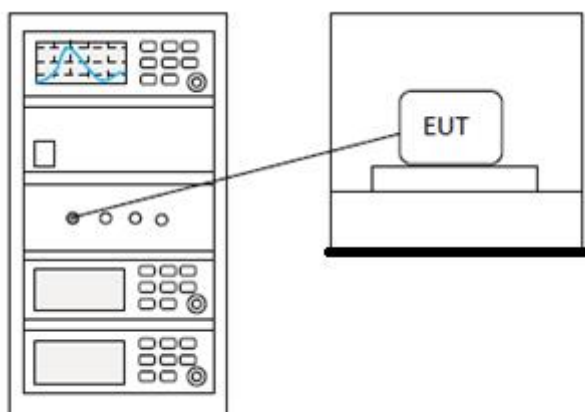
10 CONDUCTED PEAK OUTPUT POWER

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)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq \text{hopping channels} < 50$
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital 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 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

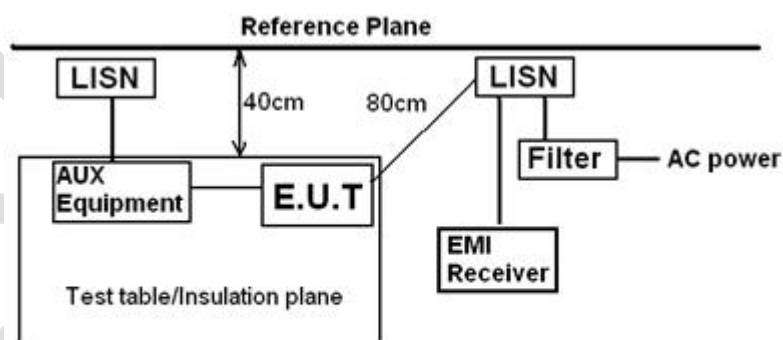
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

11.1 LIMITS

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	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.

11.2 BLOCK DIAGRAM OF TEST SETUP



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.8m

11.3 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.

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,

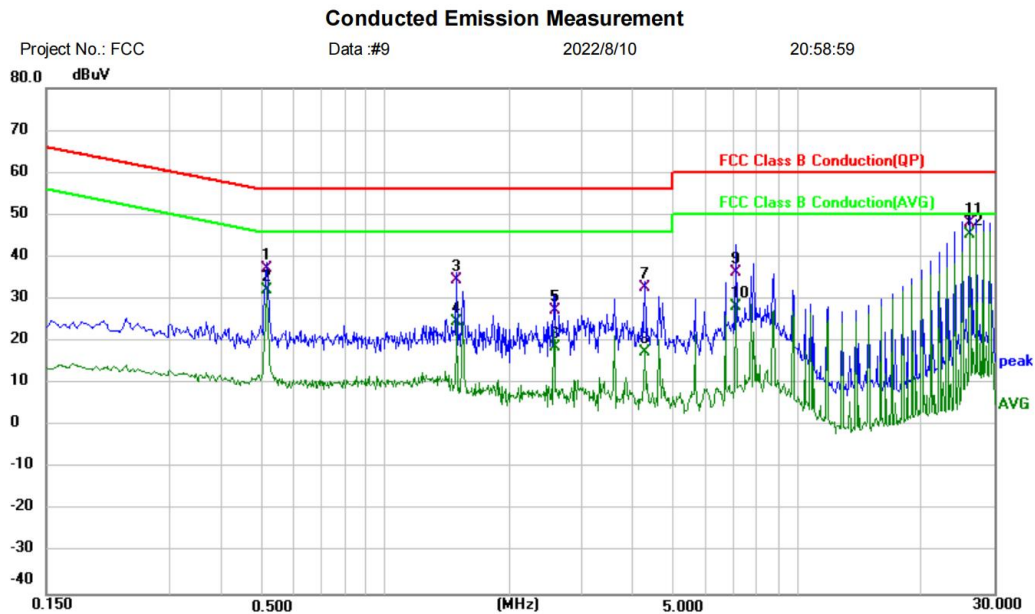
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test 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: $LISN = Read\ Level + Cable\ Loss + LISN\ Factor$

11.4 TEST DATA

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



Site: Phase: **L1** Temperature: (C)
Limit: FCC Class B Conduction(QP) Power: Humidity: %RH
EUT: Anti Snoring pillow
M/N: GN03P
Mode: TX mode
Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.5140	37.61	-0.34	37.27	56.00	-18.73	QP	
2	0.5140	32.36	-0.34	32.02	46.00	-13.98	AVG	
3	1.4900	34.23	0.18	34.41	56.00	-21.59	QP	
4	1.4900	24.60	0.18	24.78	46.00	-21.22	AVG	
5	2.5700	27.07	0.19	27.26	56.00	-28.74	QP	
6	2.5700	18.33	0.19	18.52	46.00	-27.48	AVG	
7	4.2580	32.54	0.18	32.72	56.00	-23.28	QP	
8	4.2580	17.40	0.18	17.58	46.00	-28.42	AVG	
9	7.0940	36.18	0.21	36.39	60.00	-23.61	QP	
10	7.0940	28.14	0.21	28.35	50.00	-21.65	AVG	
11	26.1820	47.69	0.36	48.05	60.00	-11.95	QP	
12 *	26.1820	44.85	0.36	45.21	50.00	-4.79	AVG	

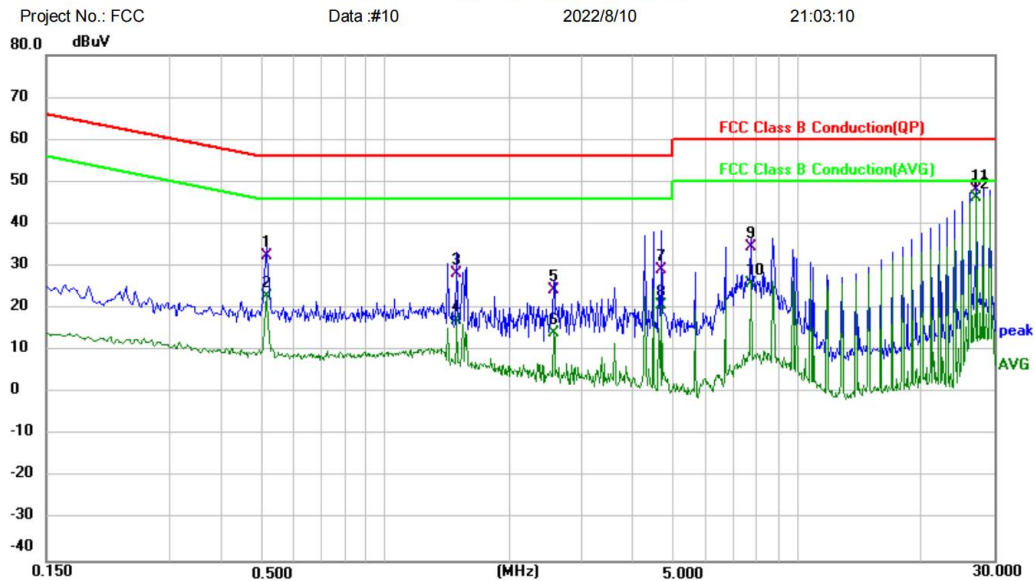
*:Maximum data x:Over limit !:over margin

⟨Reference Only⟩

Test Result: Pass

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

Conducted Emission Measurement



Site Phase: **N** Temperature: (C)
Limit: FCC Class B Conduction(QP) Power: Humidity: %RH
EUT: Anti Snoring pillow
M/N: GN03P
Mode: TX mode
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.5140	32.80	-0.34	32.46	56.00	-23.54	QP	
2		0.5140	23.31	-0.34	22.97	46.00	-23.03	AVG	
3		1.4900	28.06	0.18	28.24	56.00	-27.76	QP	
4		1.4900	16.90	0.18	17.08	46.00	-28.92	AVG	
5		2.5660	24.20	0.19	24.39	56.00	-31.61	QP	
6		2.5660	13.84	0.19	14.03	46.00	-31.97	AVG	
7		4.6940	28.94	0.18	29.12	56.00	-26.88	QP	
8		4.6940	20.69	0.18	20.87	46.00	-25.13	AVG	
9		7.7020	34.42	0.20	34.62	60.00	-25.38	QP	
10		7.7020	25.77	0.20	25.97	50.00	-24.03	AVG	
11		27.2100	47.52	0.39	47.91	60.00	-12.09	QP	
12	*	27.2100	45.99	0.39	46.38	50.00	-3.62	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

12 RADIATED SPURIOUS EMISSIONS

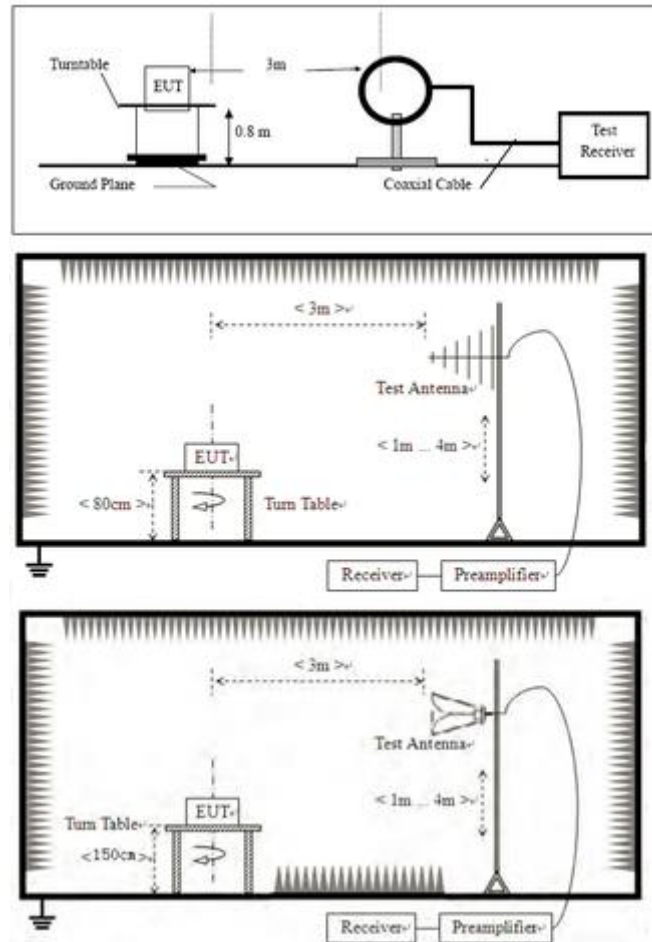
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

12.1 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.

12.2 BLOCK DIAGRAM OF TEST SETUP



12.3 PROCEDURE

- 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.
- 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.
- 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.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.

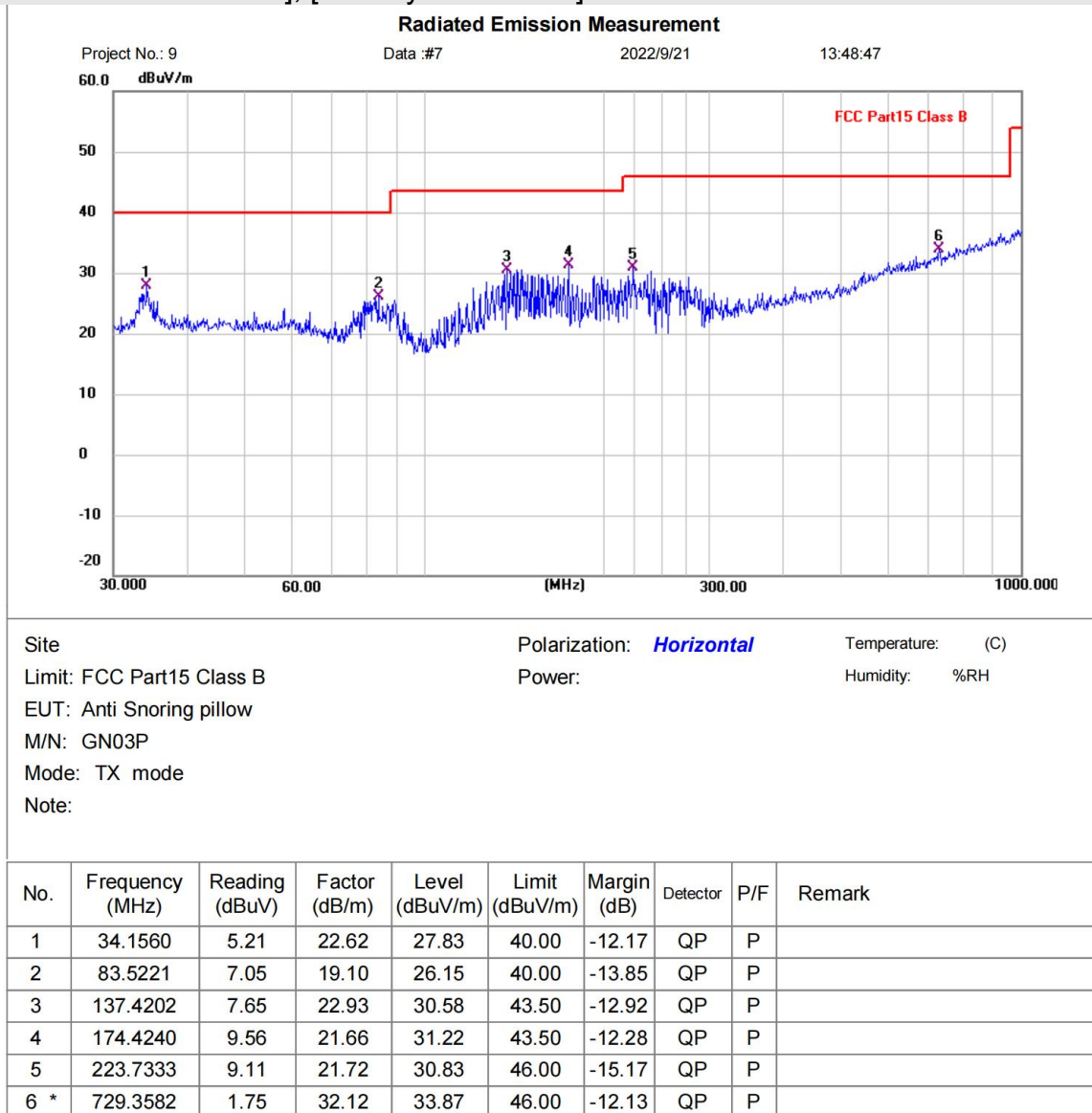
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was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

12.4 TEST DATA

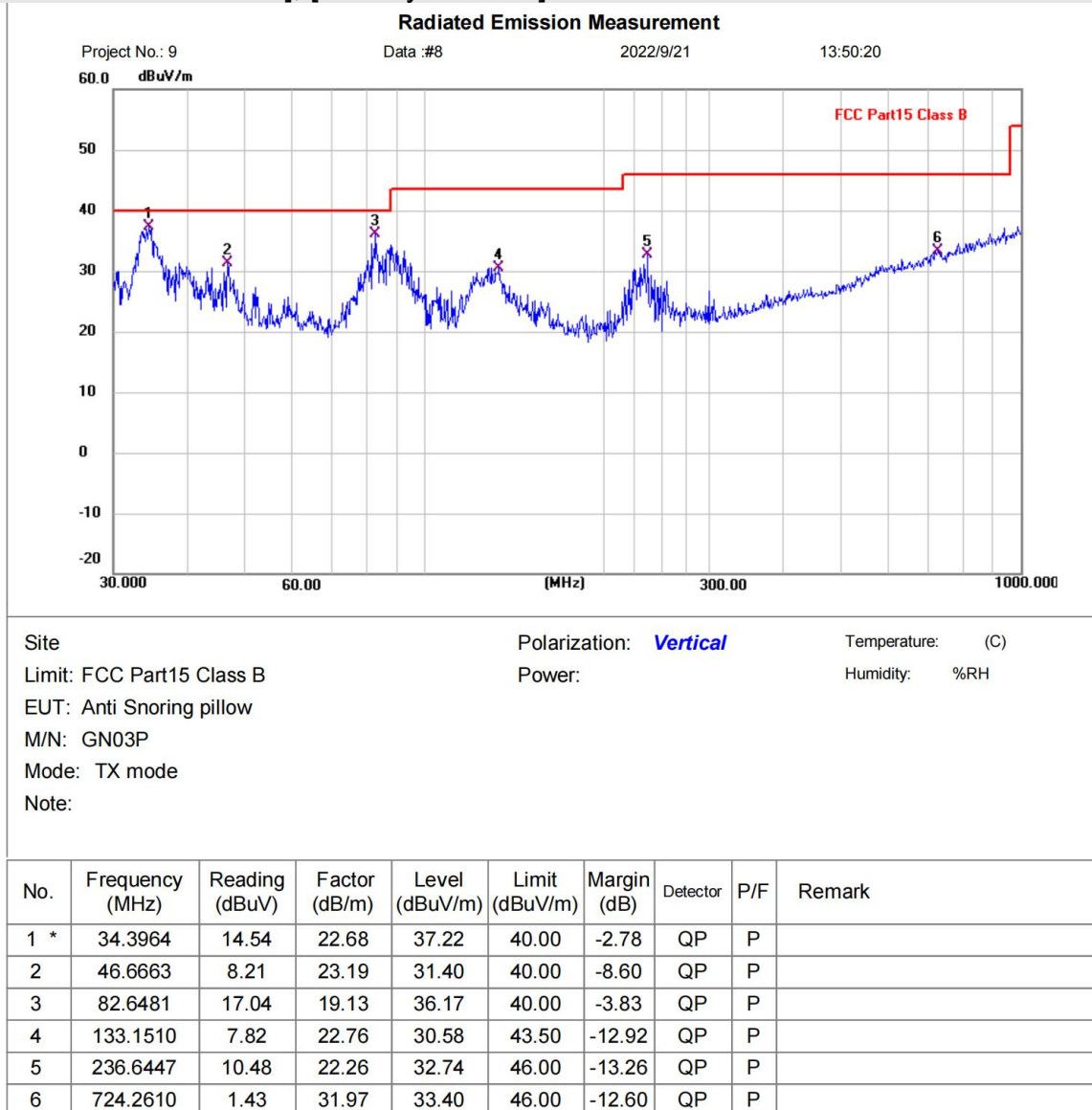
[TestMode: TX below 1G]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

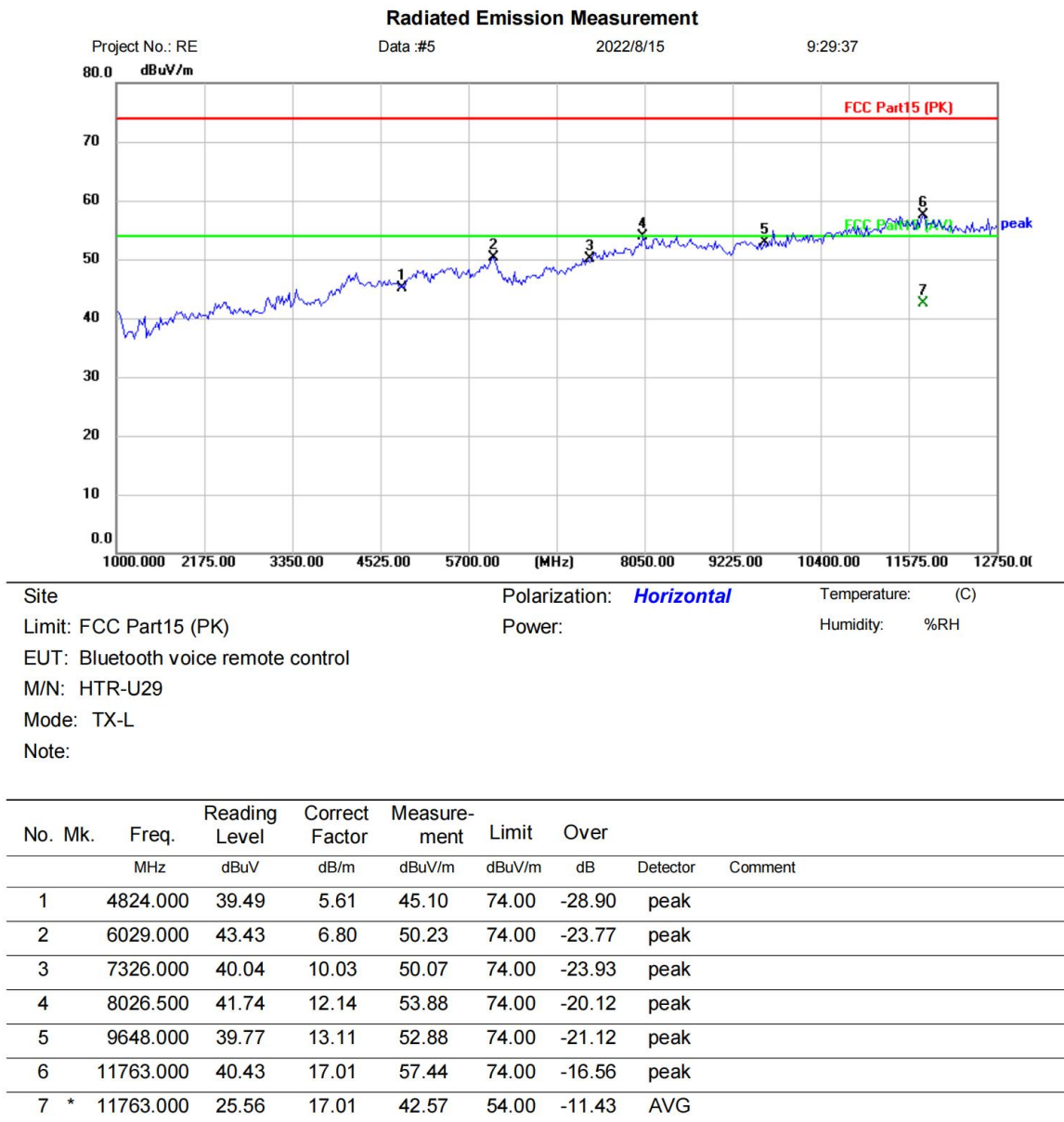
[TestMode: TX below 1G]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin

Test Result: Pass

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

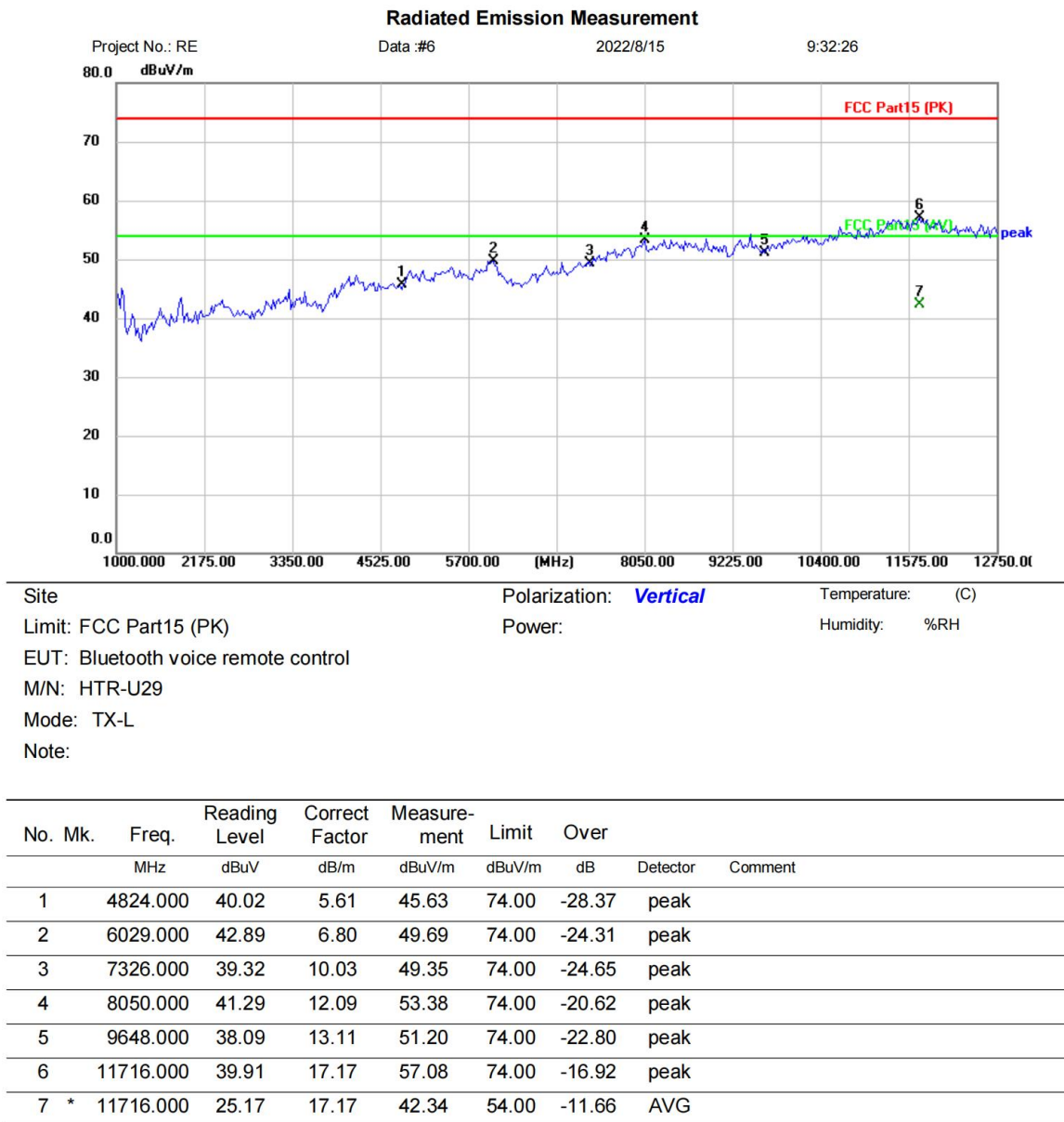


*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

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

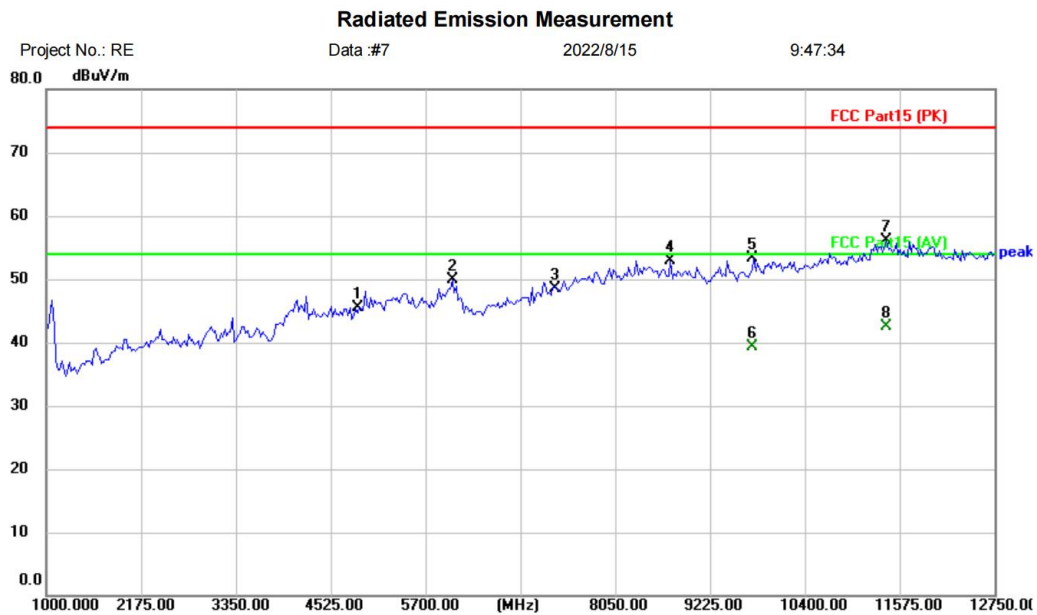


*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

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



Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Bluetooth voice remote control
M/N: HTR-U29
Mode: TX-M
Note:

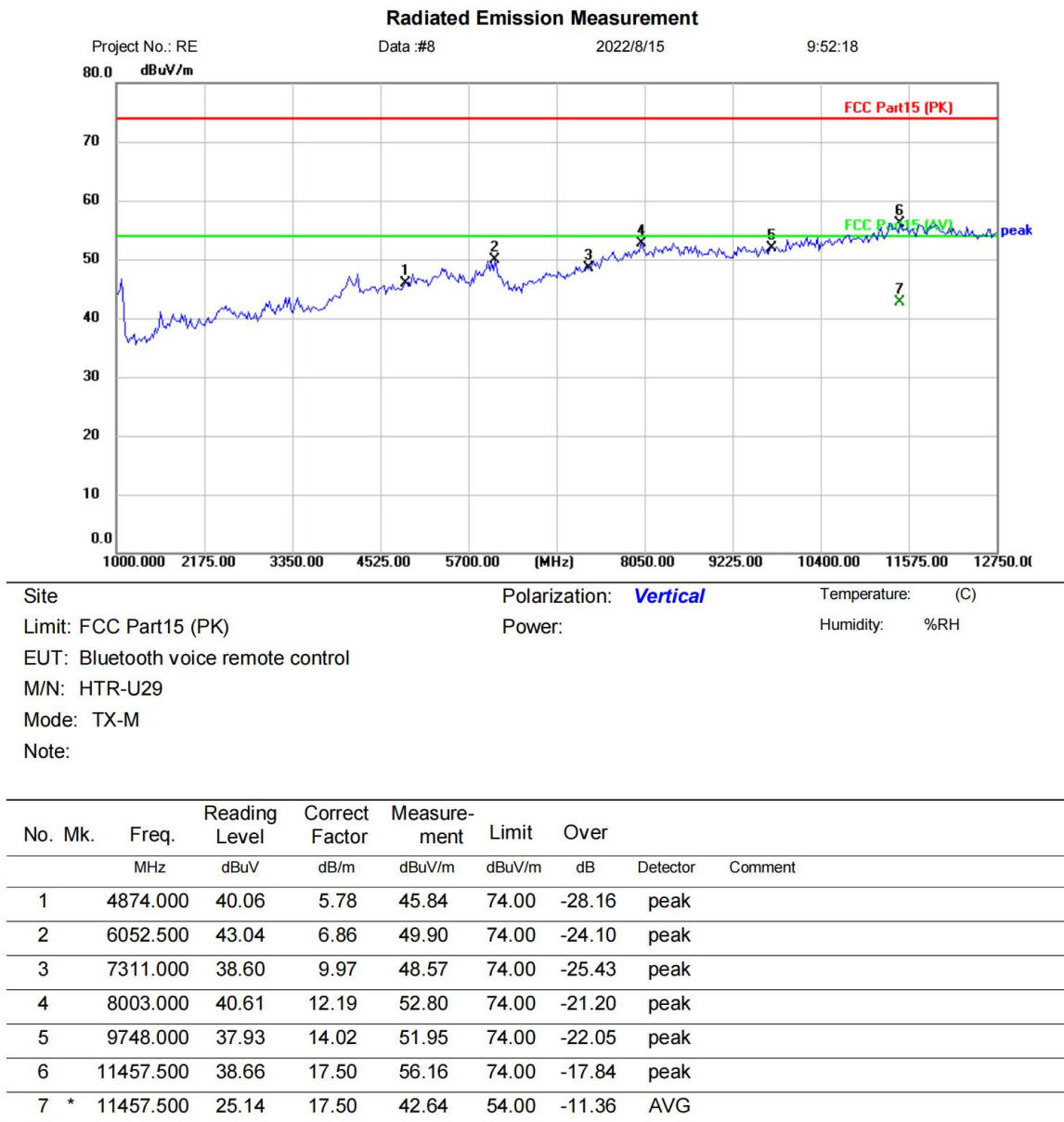
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	39.64	5.78	45.42	74.00	-28.58	peak	
2		6029.000	43.04	6.80	49.84	74.00	-24.16	peak	
3		7311.000	38.44	9.97	48.41	74.00	-25.59	peak	
4		8731.500	40.17	12.71	52.88	74.00	-21.12	peak	
5		9748.000	39.33	14.02	53.35	74.00	-20.65	peak	
6		9748.000	25.25	14.02	39.27	54.00	-14.73	AVG	
7		11410.500	38.63	17.48	56.11	74.00	-17.89	peak	
8	*	11410.500	25.06	17.48	42.54	54.00	-11.46	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

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

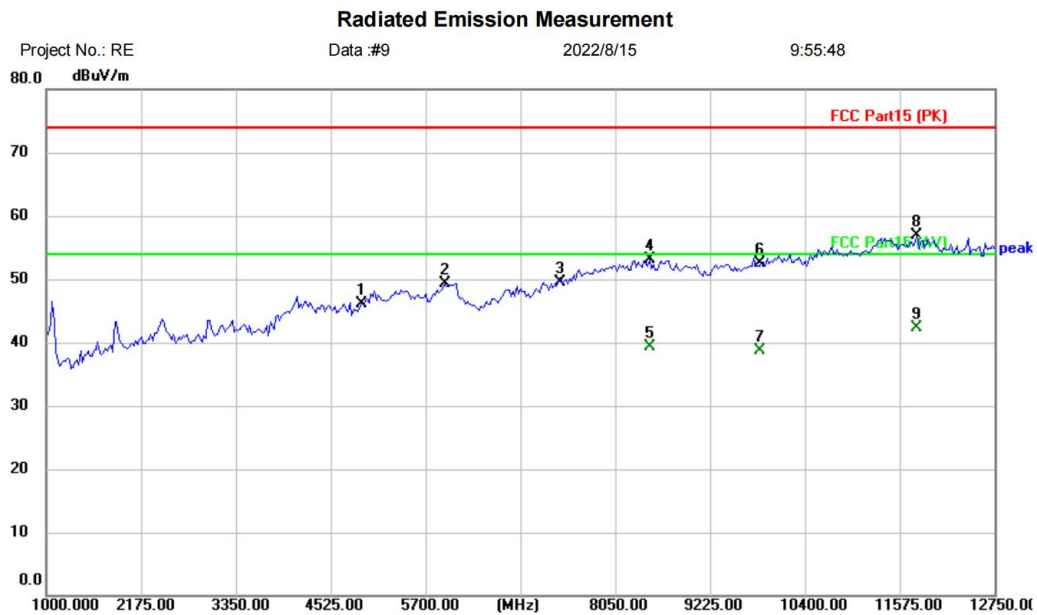


*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

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



Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Bluetooth voice remote control
M/N: HTR-U29
Mode: TX-H
Note:

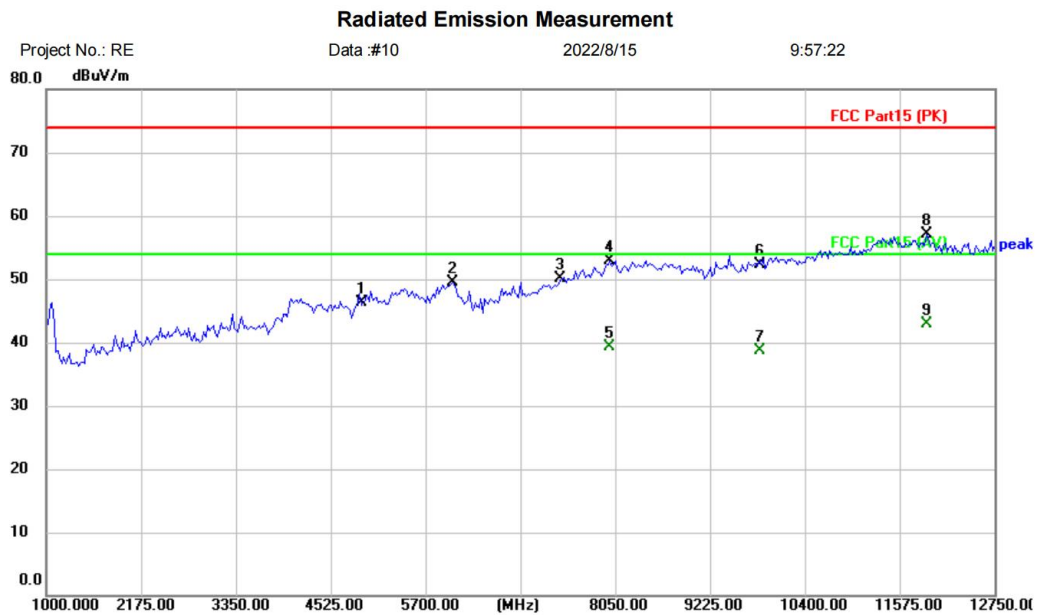
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	39.85	6.26	46.11	74.00	-27.89	peak	
2		5935.000	40.09	9.18	49.27	74.00	-24.73	peak	
3		7386.000	39.29	10.24	49.53	74.00	-24.47	peak	
4		8473.000	40.28	12.92	53.20	74.00	-20.80	peak	
5		8473.000	26.38	12.92	39.30	54.00	-14.70	AVG	
6		9848.000	37.77	14.67	52.44	74.00	-21.56	peak	
7		9848.000	24.12	14.67	38.79	54.00	-15.21	AVG	
8		11786.500	39.90	16.93	56.83	74.00	-17.17	peak	
9	*	11786.500	25.35	16.93	42.28	54.00	-11.72	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

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



Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Bluetooth voice remote control
M/N: HTR-U29
Mode: TX-H
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	40.11	6.26	46.37	74.00	-27.63	peak	
2		6029.000	42.61	6.80	49.41	74.00	-24.59	peak	
3		7386.000	39.88	10.24	50.12	74.00	-23.88	peak	
4		7979.500	40.86	12.11	52.97	74.00	-21.03	peak	
5		7979.500	27.15	12.11	39.26	54.00	-14.74	AVG	
6		9848.000	37.55	14.67	52.22	74.00	-21.78	peak	
7		9848.000	23.99	14.67	38.66	54.00	-15.34	AVG	
8		11904.000	39.95	17.15	57.10	74.00	-16.90	peak	
9	*	11904.000	25.68	17.15	42.83	54.00	-11.17	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

13 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%

13.1 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.