

RADIO TEST REPORT

FCC ID: 2BHJF-RC-A1

Product : RemoteControl

Trade Mark : 

Model Name : RC-A1

Family Model : See page two.

Report No. : S24051604703001

Prepared for

Beijing Hutt Wisdom Technology Co., Ltd
#432, Fourth Floor, Building 12, #8 of Xijiekouwai Street,
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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Beijing Hutt Wisdom Technology Co., Ltd
Address..... : #432, Fourth Floor, Building 12, #8 of Xinjiekouwai Street, Xicheng District, Beijing

Manufacturer's Name : Beijing Hutt Wisdom Technology Co., Ltd
Address..... : #432, Fourth Floor, Building 12, #8 of Xinjiekouwai Street, Xicheng District, Beijing

Product description

Product name.....: RemoteControl

Model and/or type reference : RC-A1

Family Model.....: G-HT2, G-HT3, G-HT4, G-HT5, RC-X1, RC-X2, RC-X3, RC-X4, RC-X5, RC-X6, RC-X7, RC-X8,RC-X9, RC-W5, RC-W6, RC-W7, RC-W8, RC-W9,RC-W9,Pro, RC-W10, RC-W10 Pro,RC-W11, RC-W11 pro,RC-W12,RC-W12 Pro, RC-W13,RC-W13 Pro, RC-W14, RC-W14 Pro,RC-W15, RC-W15 Pro, RC-W20, RC-W20 Pro, RC-W30, RC-W30 Pro, RC-W40, RC-W40 Pro, RC-W50, RC-W50 Pro, RC-C6, RC-C6SE, RC-C7, RC-C7SE, RC-C7 Pro, RC-C8, RC-C8SE, RC-C8 Pro, RC-C9, RC-C9SE, RC-C9 Pro, RC-C10, RC-C10SE, RC-C10 Pro, RC-C11, RC-C12, RC-C13, RC-C14, RC-C15, RC-C60, RC-C65,RC-C65 Pro, RC-C66, RC-C66Pro, RC-C66SE, RC-C67, RC-C68, RC-C69, RC-A2, RC-A3, RC-A4, RC-A5, RC-A6, RC-A7, RC-A8, RC-A9

Rating(s) : DC 3V from Battery

Standards : FCC Part15.249

Test procedure ANSI C63.10-2013

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Sample Number: S240516047003

Date of Test

Date (s) of performance of tests.....: Jun 17. 2024 ~ Jul 10. 2024

Date of Issue: Jul 10. 2024

Test Result.....: Pass

Prepared By: Joe Yan (Project Engineer)

Reviewed By: Aaron Cheng (Supervisor)

Approved By: Alex Li (Manager)

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	N/A	
15.203	Antenna Requirement	Pass	
15.249 15.209	Radiated Spurious Emission	Pass	
15.249(2)	Frequency Tolerance	N/A	
15.249(a)	Fundamental Measurement	Pass	
15.205	Band Edge Emission	Pass	
15.249	Occupied Bandwidth	Pass	

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
 Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.
 FCC FRN Registration No.:463705; IC Registration No.:9270A-1
 CNAS Registration No.:L5516


1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	RemoteControl								
Trade Mark									
Model Name	RC-A1								
Family Model	G-HT2, G-HT3, G-HT4, G-HT5, RC-X1, RC-X2, RC-X3, RC-X4, RC-X5, RC-X6, RC-X7, RC-X8, RC-X9, RC-W5, RC-W6, RC-W7, RC-W8, RC-W9, RC-W9, Pro, RC-W10, RC-W10 Pro, RC-W11, RC-W11 pro, RC-W12, RC-W12 Pro, RC-W13, RC-W13 Pro, RC-W14, RC-W14 Pro, RC-W15, RC-W15 Pro, RC-W20, RC-W20 Pro, RC-W30, RC-W30 Pro, RC-W40, RC-W40 Pro, RC-W50, RC-W50 Pro, RC-C6, RC-C6SE, RC-C7, RC-C7SE, RC-C7 Pro, RC-C8, RC-C8SE, RC-C8 Pro, RC-C9, RC-C9SE, RC-C9 Pro, RC-C10, RC-C10SE, RC-C10 Pro, RC-C11, RC-C12, RC-C13, RC-C14, RC-C15, RC-C60, RC-C65, RC-C65 Pro, RC-C66, RC-C66Pro, RC-C66SE, RC-C67, RC-C68, RC-C69, RC-A2, RC-A3, RC-A4, RC-A5, RC-A6, RC-A7, RC-A8, RC-A9								
Model Difference	All models have the same circuit and RF module, but the difference lies in the model name.								
Product Description	<p>The EUT is a RemoteControl</p> <table border="1" data-bbox="651 1167 1388 1317"> <tr> <td>Operation Frequency:</td> <td>2450MHz</td> </tr> <tr> <td>Modulation Type:</td> <td>GFSK</td> </tr> <tr> <td>Antenna Designation:</td> <td>PCB Antenna</td> </tr> <tr> <td>Antenna Gain(Peak)</td> <td>1dBi</td> </tr> </table> <p>Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specification, please refer to the User's Manual.</p>	Operation Frequency:	2450MHz	Modulation Type:	GFSK	Antenna Designation:	PCB Antenna	Antenna Gain(Peak)	1dBi
Operation Frequency:	2450MHz								
Modulation Type:	GFSK								
Antenna Designation:	PCB Antenna								
Antenna Gain(Peak)	1dBi								
Channel List	Please refer to the Note 2.								
Rating	DC 1.5V*2 AAA Battery								
Battery	DC 3V								
Hardware version:	V1.0								
Firmware version:	V1.0								
Software version:	V1.0								

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel No.	Frequency
1	2450MHz

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	1	Antenna

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX 2450MHz
Mode 2	Normal link

For Radiated Spurious Emission	
Pretest Mode	Description
Mode 1	TX 2450MHz

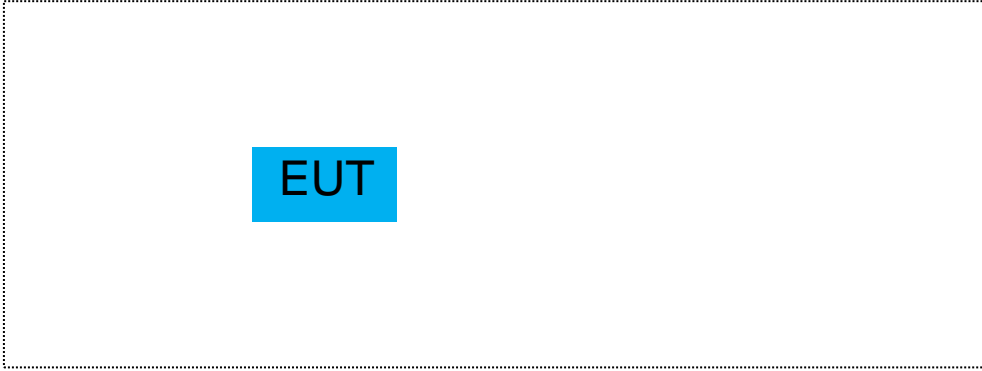
For Conducted Emission	
Final Test Mode	Description
Mode 1	TX 2450MHz
Mode 2	Normal link

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.


2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
EUT	Remote Control		RC-A1	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2024.03.12	2025.03.11	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2024.03.12	2025.03.11	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2024.04.26	2025.04.25	1 year
4	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2024.03.11	2025.03.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2022.03.31	2025.03.30	3 year
8	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835SE	980246	2024.01.23	2025.01.22	1 year
10	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	055	2024.05.17	2027.05.16	3 year
11	Power Meter	DARE	RPR3006W	15100041SN084	2024.04.25	2025.04.24	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2023.05.06	2026.05.05	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2023.05.06	2026.05.05	1 year
16	Filter	TRILTHIC	2400MHz	29	2024.04.26	2027.04.25	3 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2024.03.12	2025.03.11	1 year
2	LISN	R&S	ENV216	101313	2024.03.12	2025.03.11	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2024.03.12	2025.03.11	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2023.05.06	2026.05.05	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

3.2 EUT ANTENNA

The EUT antenna is permanent attached PCB antenna(Gain:1dBi). It comply with the standard requirement.

3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
 2. The lower limit shall apply at the transition frequencies
 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

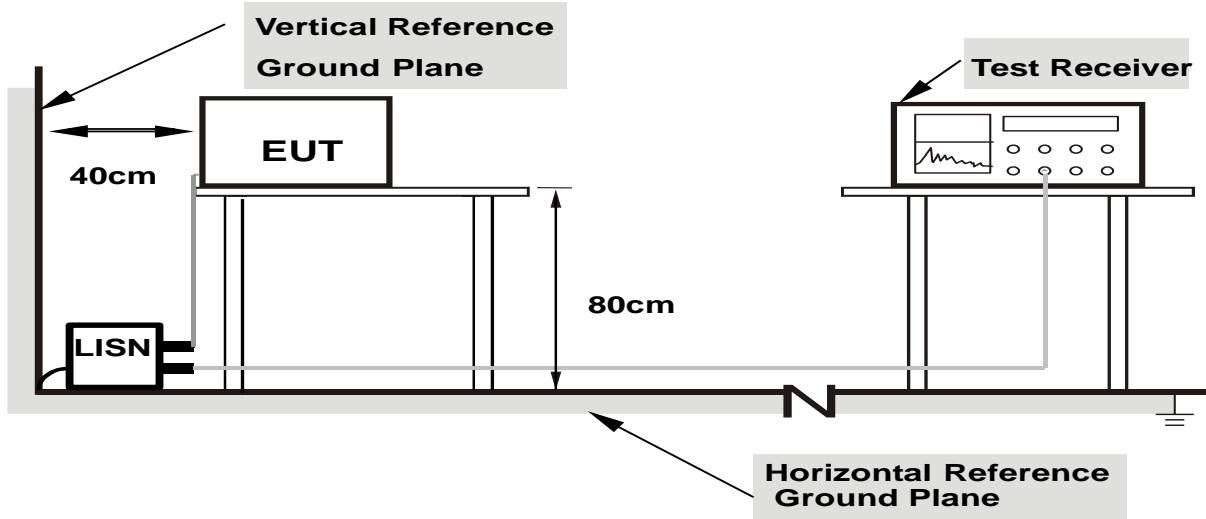
3.3.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.
 Margin=Measure-ment-Limits, Measure-ment=Reading level+Correct Factor

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.2.5 TEST RESULT

EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Phase :	N/A
Test Voltage :	N/A	Test Mode :	N/A

Note: Not Applicable

3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/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
Frequency (MHz)	Limit (dBuV)	
30~88	40	3
88~216	43.5	3
216~960	46	3
960 -10000	54.00	3
*902 - 928	94.00	3

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).
- (3) *Note: This is the limit for the fundamental frequency.

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
2400-2483.5	50	500

Notes:

- (1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.4.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

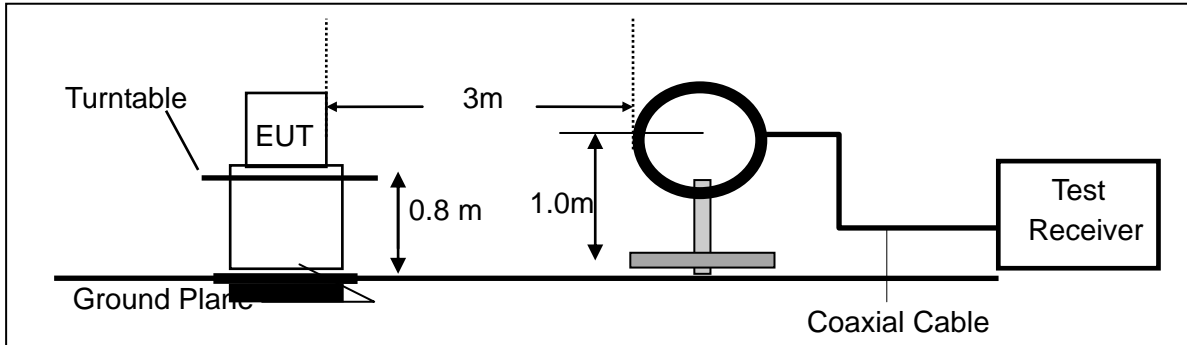
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.4.3 DEVIATION FROM TEST STANDARD

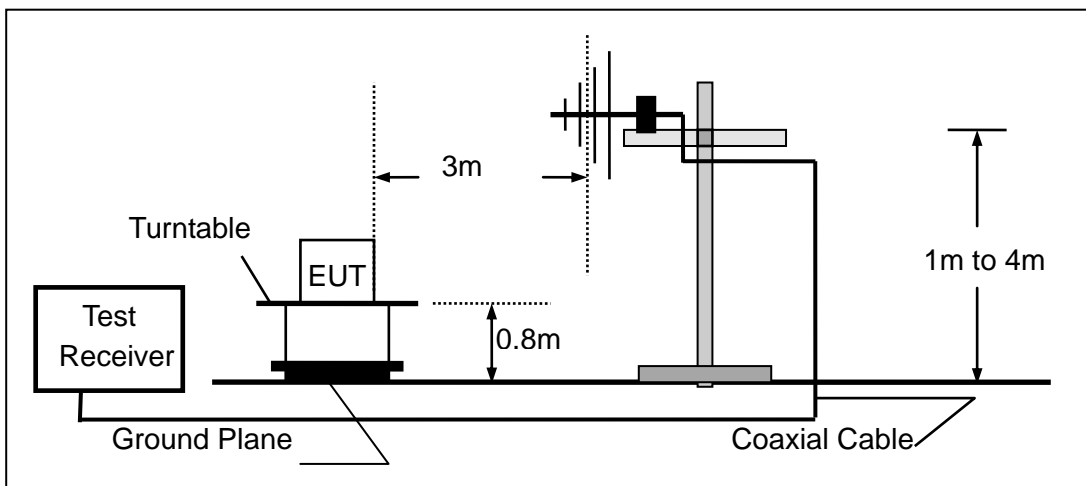
No deviation

(A) Radiated Emission Test-Up Frequency Below 30MHz

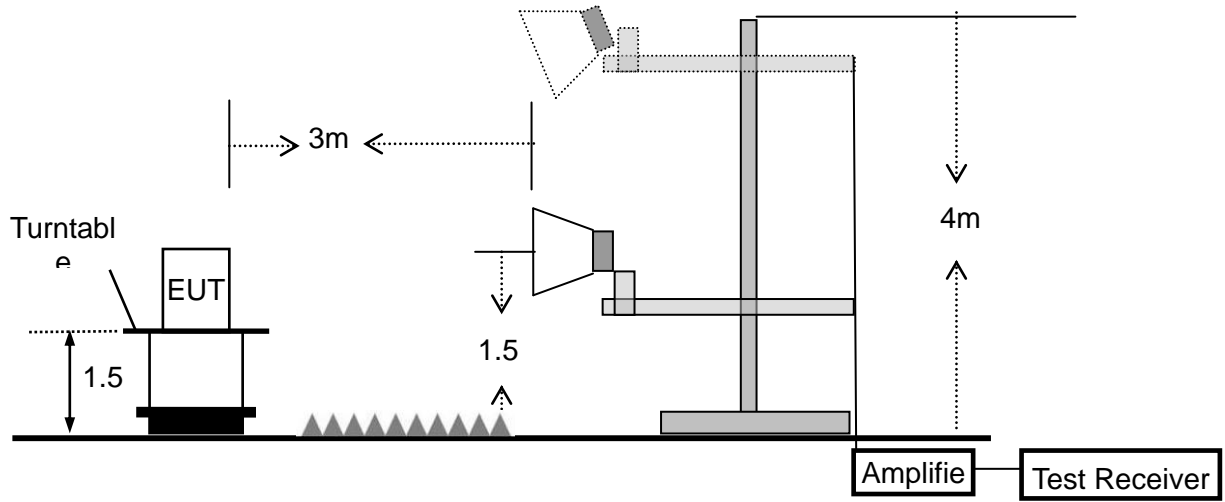
(a)



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.4.4 TEST RESULTS (BELOW 30MHz)

EUT :	RemoteControl	Model Name. :	RC-A1
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Remark:1. Emission level in dBuV/m= $20 \log(uV/m)$

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor = $40\log(\text{Specific distance/ test distance})(dB)$;

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor = $20\log(\text{Specific distance/ test distance})(dB)$;

Limit line=Specific limits(dBuV) + distance extrapolation factor.

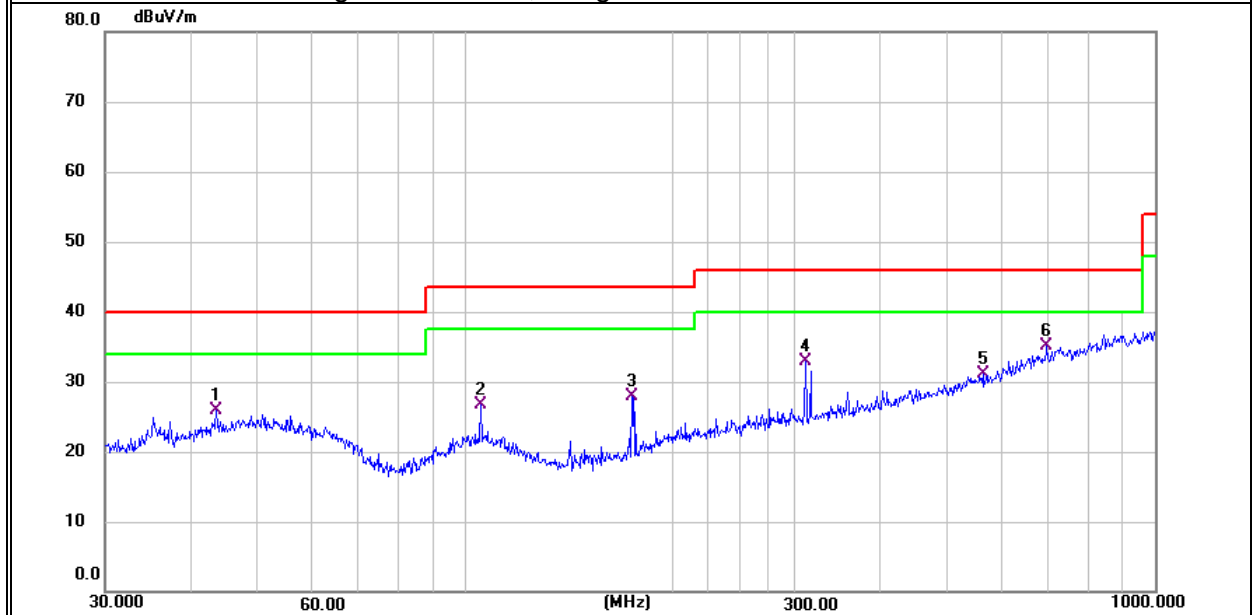
3.4.5 TEST RESULTS (BELOW 1000 MHz)

EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	Mode 2	Polarization :	Vertical

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	43.5057	50.19	-24.25	25.94	40.00	-14.06	QP
V	105.2718	8.76	17.97	26.73	43.50	-16.77	QP
V	174.4241	12.45	15.48	27.93	43.50	-15.57	QP
V	311.0867	12.47	20.48	32.95	46.00	-13.05	QP
V	562.6624	5.67	25.36	31.03	46.00	-14.97	QP
V	696.8567	7.13	27.99	35.12	46.00	-10.88	QP

Remark:

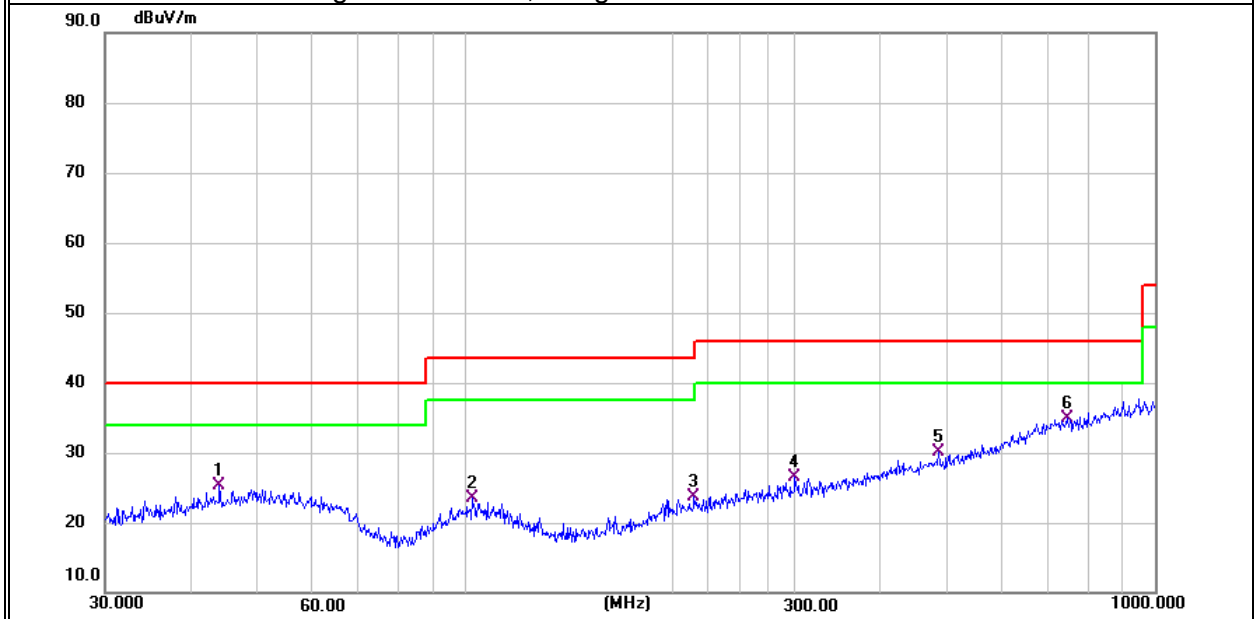
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
H	43.9658	49.87	-24.66	25.21	40.00	-14.79	QP
H	102.3597	5.64	17.81	23.45	43.50	-20.05	QP
H	214.5143	5.74	18.04	23.78	43.50	-19.72	QP
H	300.3672	6.30	20.25	26.55	46.00	-19.45	QP
H	485.6093	6.03	24.05	30.08	46.00	-15.92	QP
H	744.8661	6.43	28.40	34.83	46.00	-11.17	QP

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



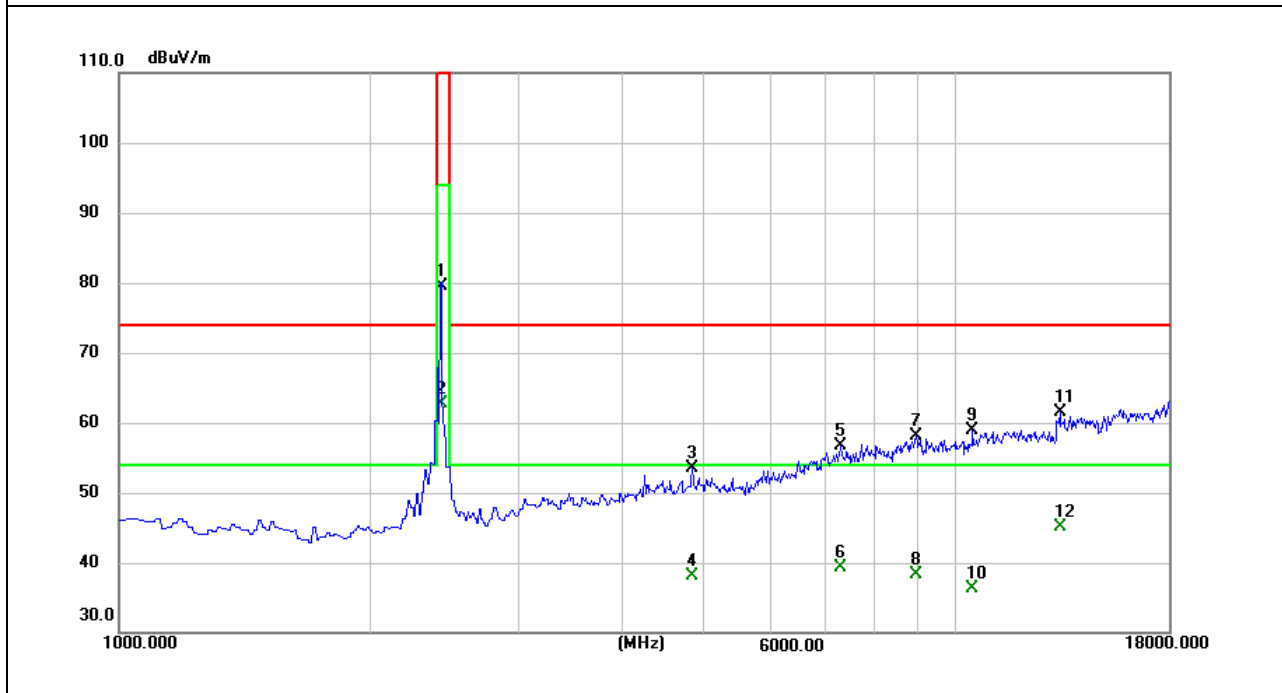
3.4.6 TEST RESULTS (ABOVE 1000 MHZ)

Note: For above 18GHz, the amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2450MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2450.000	69.12	10.08	79.20	114.00	-34.80	peak
2450.000	53.17	10.08	63.25	94.00	-30.75	AVG
4900.000	36.75	16.41	53.16	74.00	-20.84	peak
4900.000	22.33	16.41	38.74	54.00	-15.26	AVG
7350.000	34.05	22.13	56.18	74.00	-17.82	peak
7350.000	23.11	22.13	45.24	54.00	-8.76	AVG
8956.000	33.60	24.47	58.07	74.00	-15.93	peak
8956.000	13.78	24.47	38.25	54.00	-15.75	AVG
10469.000	33.16	25.69	58.85	74.00	-15.15	peak
10469.000	10.64	25.69	36.33	54.00	-17.67	AVG
13308.000	32.92	28.57	61.49	74.00	-12.51	peak
13308.000	16.45	28.57	45.02	54.00	-8.98	AVG

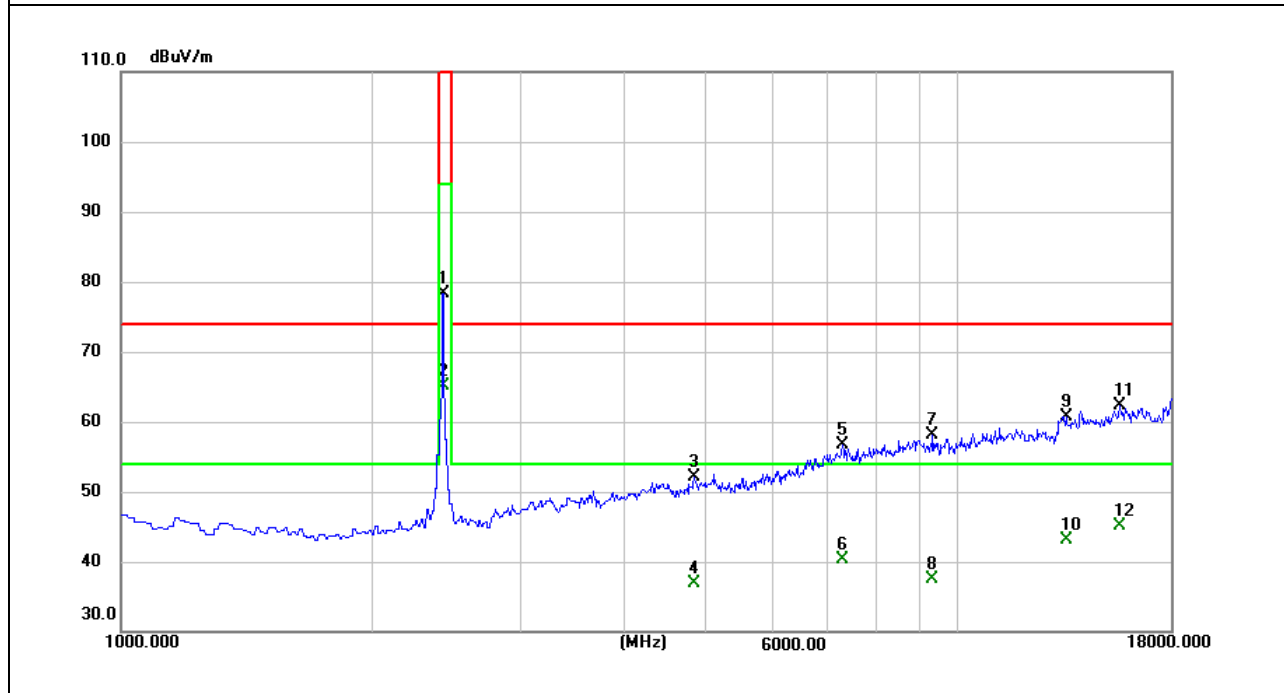
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2450MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2450.000	68.08	10.08	78.16	114.00	-35.84	peak
2450.000	55.04	10.08	65.12	94.00	-28.88	AVG
4900.000	35.77	16.41	52.18	74.00	-21.82	peak
4900.000	21.71	16.41	38.12	54.00	-15.88	AVG
7350.000	33.78	22.13	55.91	74.00	-18.09	peak
7350.000	19.03	22.13	41.16	54.00	-12.84	AVG
9330.000	33.36	24.73	58.09	74.00	-15.91	peak
9330.000	12.71	24.73	37.44	54.00	-16.56	AVG
13461.000	32.10	28.68	60.78	74.00	-13.22	peak
13461.000	14.34	28.68	43.02	54.00	-10.98	AVG
15620.000	35.01	27.31	62.32	74.00	-11.68	peak
15620.000	17.80	27.31	45.11	54.00	-8.89	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



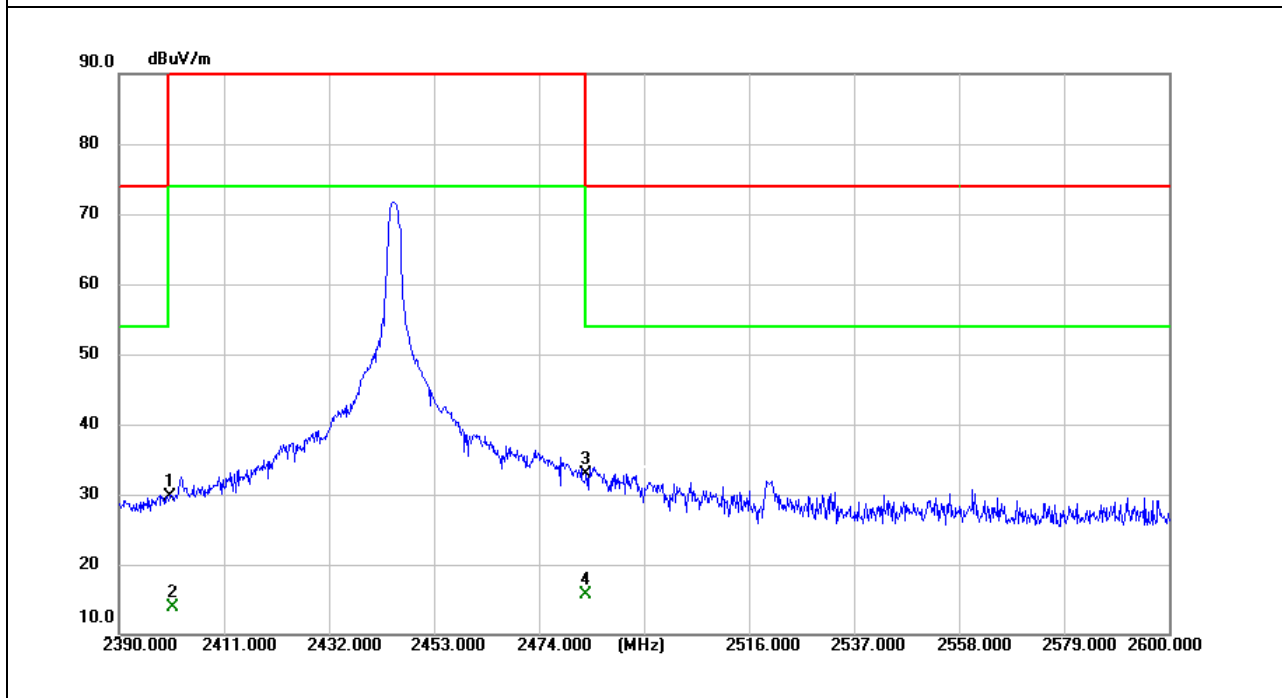
Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).

3.4.7 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2450MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
2400.000	20.10	9.99	30.09	74.00	-43.91	peak
2400.000	6.58	9.99	16.57	54.00	-37.43	peak
2483.500	23.90	10.28	34.18	74.00	-39.82	peak
2483.500	7.14	10.28	17.42	54.00	-36.58	peak

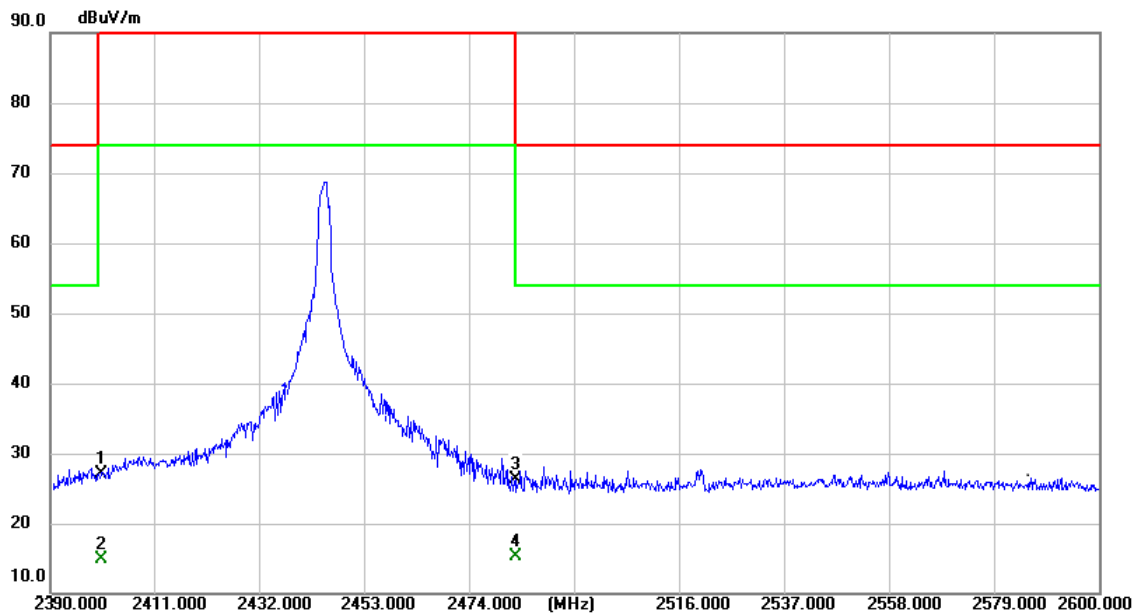
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	25 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 3V
Test Mode :	TX 2450MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400.000	18.76	9.99	28.75	74.00	-45.25	peak
2400.000	5.97	9.99	15.96	54.00	-38.04	AVG
2483.500	17.96	10.28	28.24	74.00	-45.76	peak
2483.500	5.93	10.28	16.21	54.00	-37.79	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW \geq RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

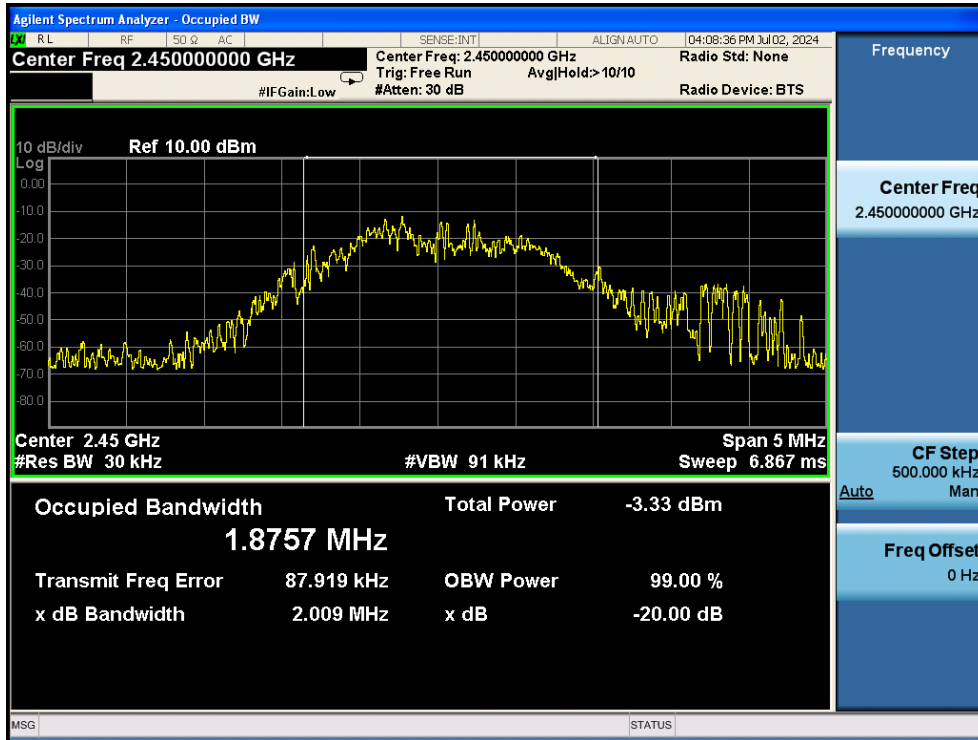


5. TEST RESULTS

EUT :	RemoteControl	Model Name :	RC-A1
Temperature :	26 °C	Relative Humidity :	53%
Pressure :	1020 hPa	Test Power :	DC 3V
Test Mode :	TX(2450MHz)		

Test Frequency (MHz)	20 dBc Bandwidth (MHz)
2450	2.009

2450 MHz



END OF REPORT