

RADIO TEST REPORT

FCC ID: 2AU4M-QW-WR02

Product : GPS Sport Watch

Trade Mark : iGPSPORT

Model Name : QW-WR02

Family Model : N/A

Report No. : N25082804620E

Prepared for

Wuhan Qiwu Technology Co.,Ltd.

3 / F, Creative workshop, No.04, District D, Creative world, No.16 Yezhihu
West Road, Hongshan District, Wuhan City, Hubei Province, China.

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Wuhan Qiwu Technology Co.,Ltd.

Address..... : 3 / F, Creative workshop, No.04, District D, Creative world, No.16
Yezhihu West Road, Hongshan District, Wuhan City, Hubei
Province, China.

Manufacturer's Name : Wuhan Qiwu Technology Co.,Ltd.

Address..... : 3 / F, Creative workshop, No.04, District D, Creative world, No.16
Yezhihu West Road, Hongshan District, Wuhan City, Hubei
Province, China.

Product description

Product name : GPS Sport Watch

Model and/or type reference : QW-WR02

Family Model : N/A

Rating(s) : DC 3.91V from battery or DC 5V from charging port

Standards : FCC Part15.249

Test procedure ANSI C63.10-2020

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 : S2511040219-1#

Date of Test :

Date (s) of performance of tests..... : Nov. 04, 2025 ~ Dec. 03, 2025

Date of Issue : Dec. 03, 2025

Test Result : **Pass**

Prepared By : Abel Chen
Abel Chen
(Project Engineer)

Reviewed By : Aaron Cheng
Aaron Cheng
(Supervisor)

Approved By : Alex Li
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	PASS	
15.203	Antenna Requirement	Pass	
15.249 15.209	Radiated Spurious Emission	Pass	
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. : No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of 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 expanded 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	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^{\circ}\text{C}$
7	Humidity	$\pm 2\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	GPS Sport Watch	
Trade Mark	iGPSPORT	
Model Name	QW-WR02	
Family Model	N/A	
Model Difference	N/A	
Product Description	The EUT is a GPS Sport Watch	
	Operation Frequency:	2457MHz
	Modulation Type:	GFSK
	Antenna Designation:	FPC Antenna
	Antenna Gain(Peak)	-2.38dBi
	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.	
Channel List	Please refer to the Note 2.	
Adapter	N/A	
Rating	DC 3.91V, 383mAh, 1.5Wh	
Battery	DC 3.91V from battery or DC 5V from charging port	
Hardware version:	A6	
Firmware version:	v0.91.005	
Software version:	v0.91.005	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.

Channel	Frequency(MHz)
0	2457

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 2457MHz

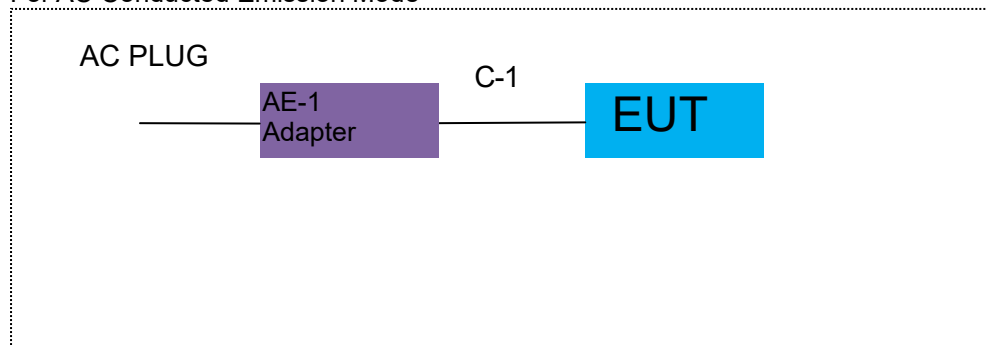
For Radiated Spurious Emission	
Pretest Mode	Description
Mode 1	TX 2457MHz

Note:

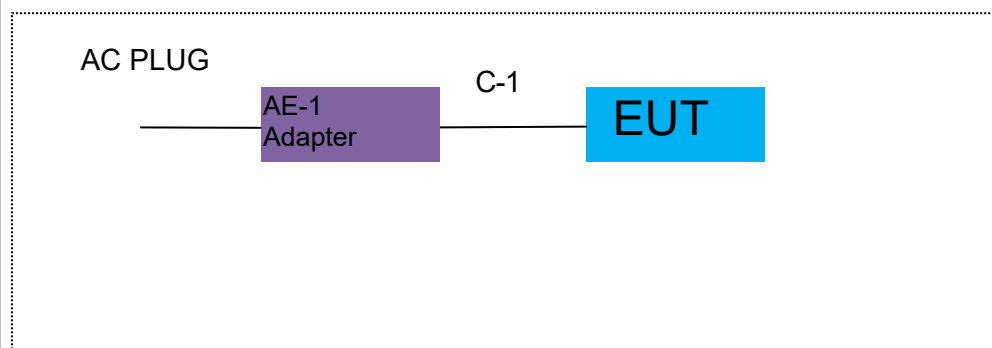
- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) All models have been tested and evaluated, but only the worst mode will be reflected in the report

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

For AC Conducted Emission Mode



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	Brand	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	Power Cable	NO	NO	1.0m

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

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2025.04.24	2026.04.23	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025.04.17	2026.04.16	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2025.04.17	2026.04.16	1 year
4	Test Receiver	R&S	ESPI7	101318	2025.04.17	2026.04.16	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2025.04.17	2026.04.16	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2024.05.12	2027.05.11	3 year
8	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835SE	980246	2025.04.17	2026.04.16	1 year
10	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	055	2024.05.17	2027.05.16	3 year
11	Power Meter	DARE	RPR3006W	15I00041SN084	2025.04.17	2026.04.16	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-40GHz)	N/A	R-03	N/A	2023.05.06	2026.05.05	3 year
15	Filter	TRILTHIC	2400MHz	29	2024.04.26	2027.04.25	3 year
16	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

AC 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	2025.04.17	2026.04.16	1 year
2	LISN	R&S	ENV216	101313	2025.04.16	2026.04.15	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2025.04.16	2026.04.15	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2024.04.26	2027.04.25	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 Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFTtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

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 Antenna. 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

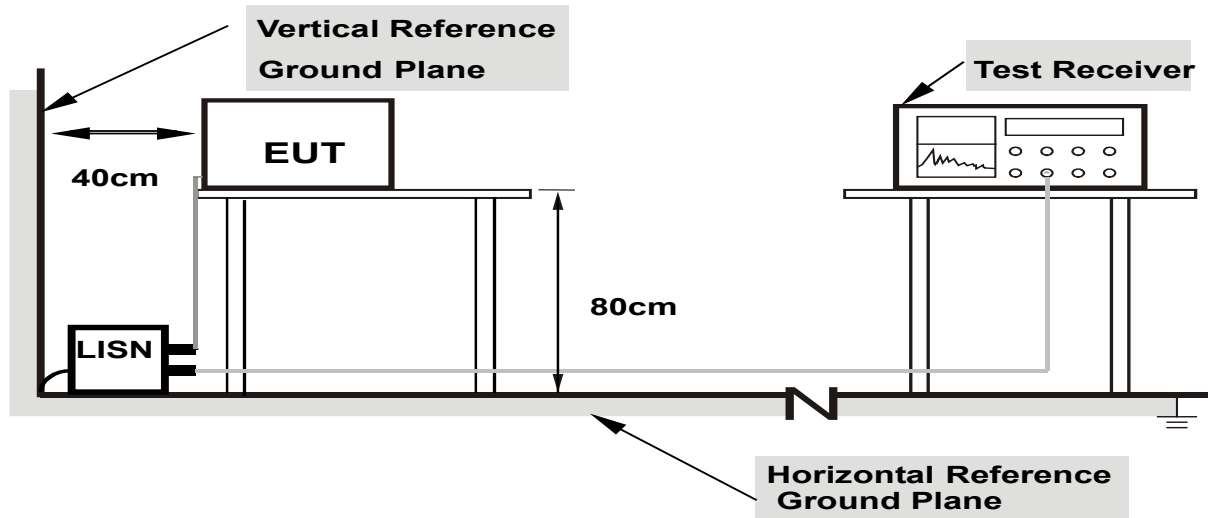
3.3.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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

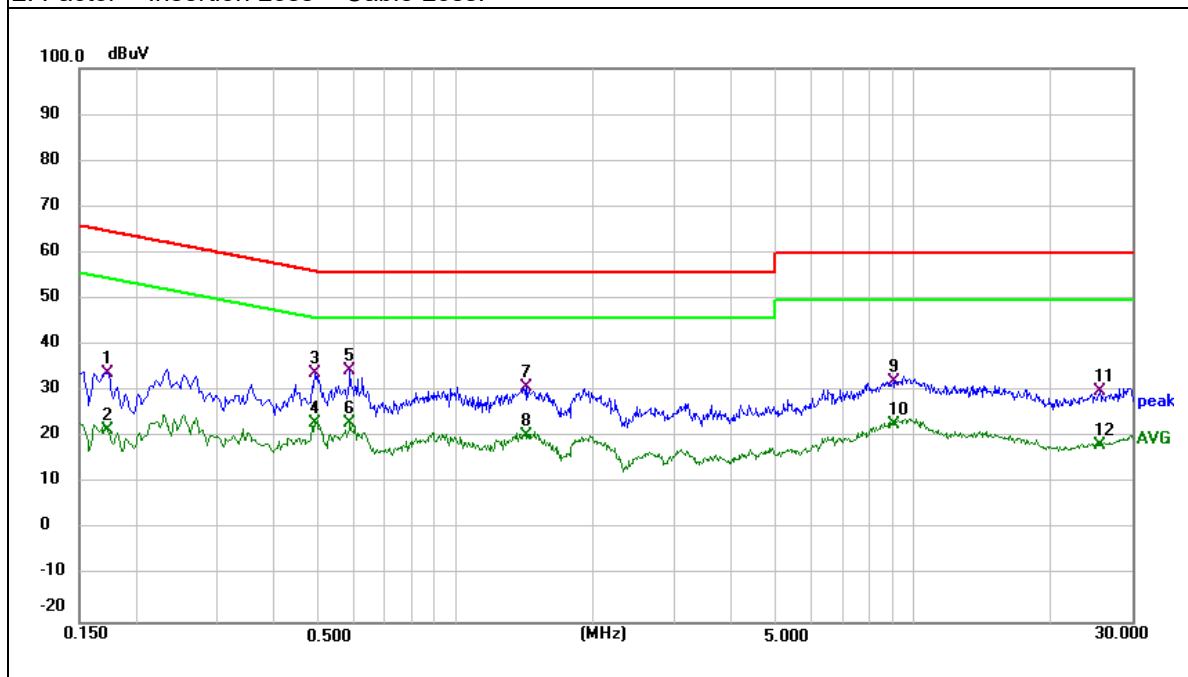
3.2.5 TEST RESULT

EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	20.5 °C	Relative Humidity :	52.4%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1730	14.62	19.53	34.15	64.82	-30.67	QP
0.1730	2.30	19.53	21.83	54.82	-32.99	AVG
0.4940	14.36	19.56	33.92	56.10	-22.18	QP
0.4940	3.73	19.56	23.29	46.10	-22.81	AVG
0.5860	15.09	19.59	34.68	56.00	-21.32	QP
0.5860	3.68	19.59	23.27	46.00	-22.73	AVG
1.4299	11.47	19.65	31.12	56.00	-24.88	QP
1.4299	0.87	19.65	20.52	46.00	-25.48	AVG
9.0140	12.37	19.81	32.18	60.00	-27.82	QP
9.0140	3.00	19.81	22.81	50.00	-27.19	AVG
25.5140	7.54	22.51	30.05	60.00	-29.95	QP
25.5140	-4.01	22.51	18.50	50.00	-31.50	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

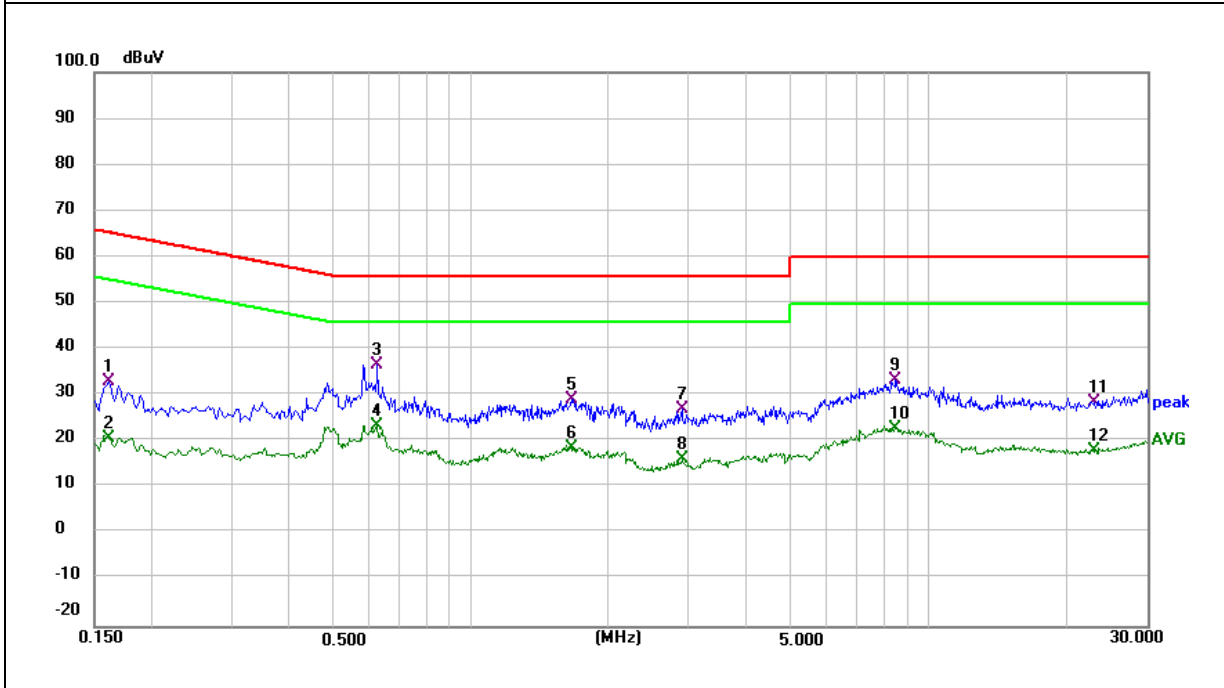


EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	20.5 °C	Relative Humidity :	52.4%
Pressure :	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1620	13.45	19.53	32.98	65.36	-32.38	QP
0.1620	1.29	19.53	20.82	55.36	-34.54	AVG
0.6260	17.12	19.60	36.72	56.00	-19.28	QP
0.6260	4.02	19.60	23.62	46.00	-22.38	AVG
1.6620	9.64	19.66	29.30	56.00	-26.70	QP
1.6620	-0.99	19.66	18.67	46.00	-27.33	AVG
2.8940	7.42	19.75	27.17	56.00	-28.83	QP
2.8940	-3.47	19.75	16.28	46.00	-29.72	AVG
8.4660	13.50	19.89	33.39	60.00	-26.61	QP
8.4660	3.06	19.89	22.95	50.00	-27.05	AVG
23.0660	6.60	22.12	28.72	60.00	-31.28	QP
23.0660	-4.06	22.12	18.06	50.00	-31.94	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



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:

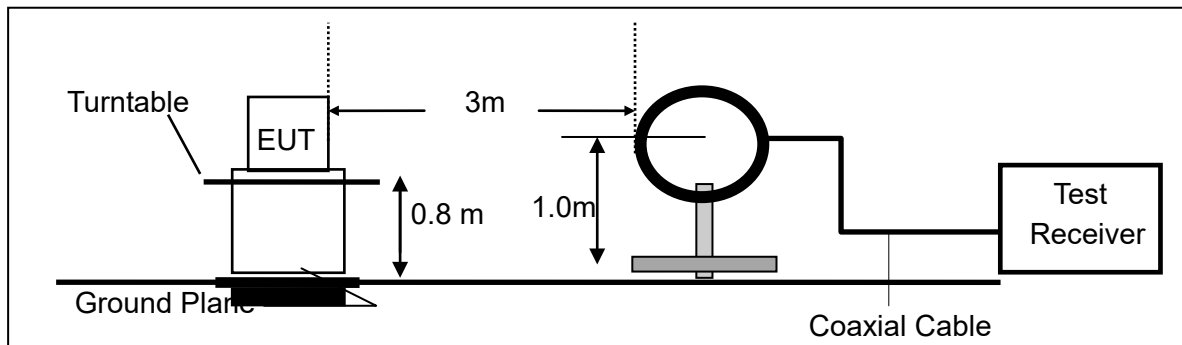
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

3.4.3 DEVIATION FROM TEST STANDARD

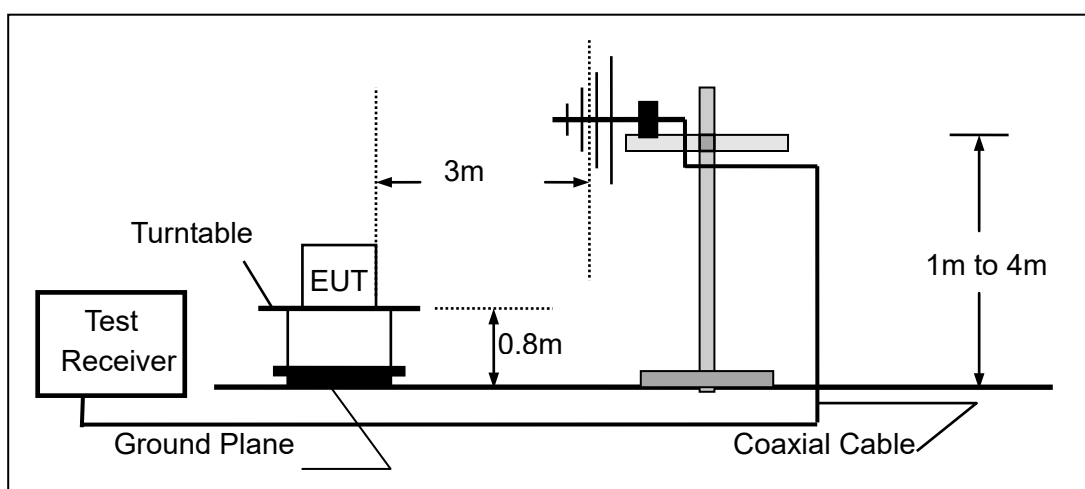
No deviation

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

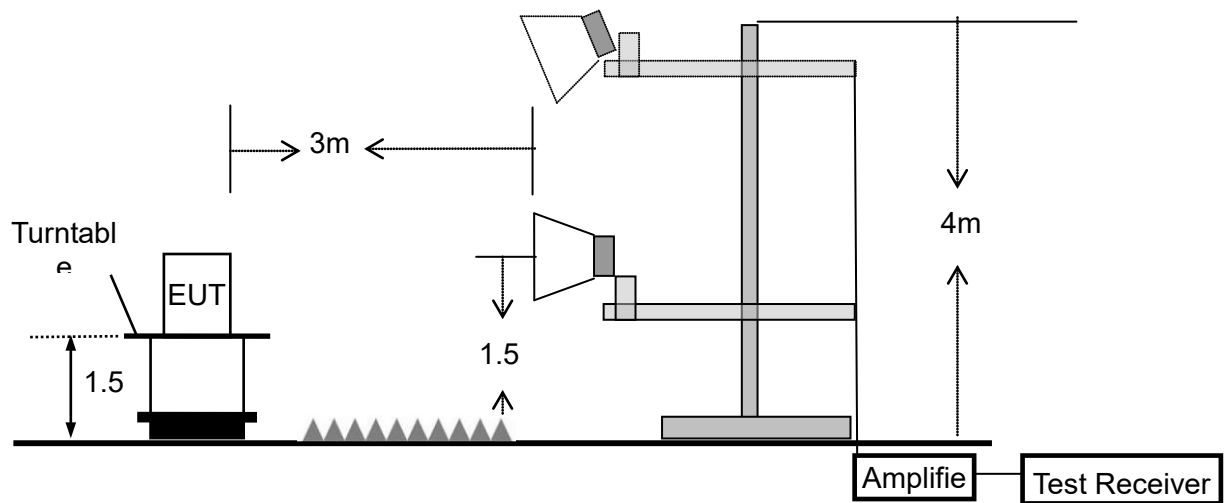
(a)



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



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



3.4.4 TEST RESULTS (BELOW 30MHz)

EUT :	GPS Sport Watch	Model Name. :	QW-WR02
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 5V from Adapter AC 120V/60Hz
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 = $20 \log (\mu\text{V/m})$

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

3. For Frequency 9kHz~30MHz:

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

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

For Frequency above 30MHz:

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

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

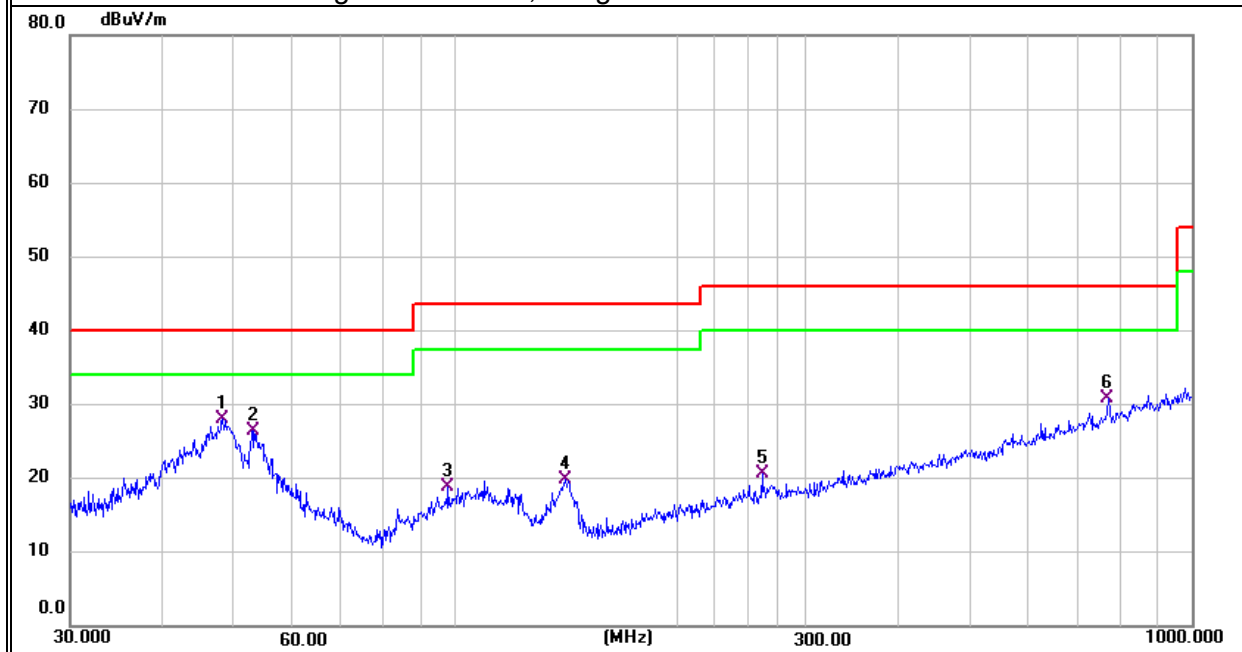
3.4.5 TEST RESULTS (BELOW 1000 MHz)

EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	24.1 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	DC 5V from Adapter AC 120V/60Hz
Test Mode :	Mode 1	Polarization :	Vertical

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	48.3316	8.08	19.95	28.03	40.00	-11.97	QP
V	53.1313	6.72	19.77	26.49	40.00	-13.51	QP
V	97.7980	1.20	17.62	18.82	43.50	-24.68	QP
V	141.3296	5.70	14.25	19.95	43.50	-23.55	QP
V	261.0581	1.22	19.33	20.55	46.00	-25.45	QP
V	771.4482	2.56	28.27	30.83	46.00	-15.17	QP

Remark:

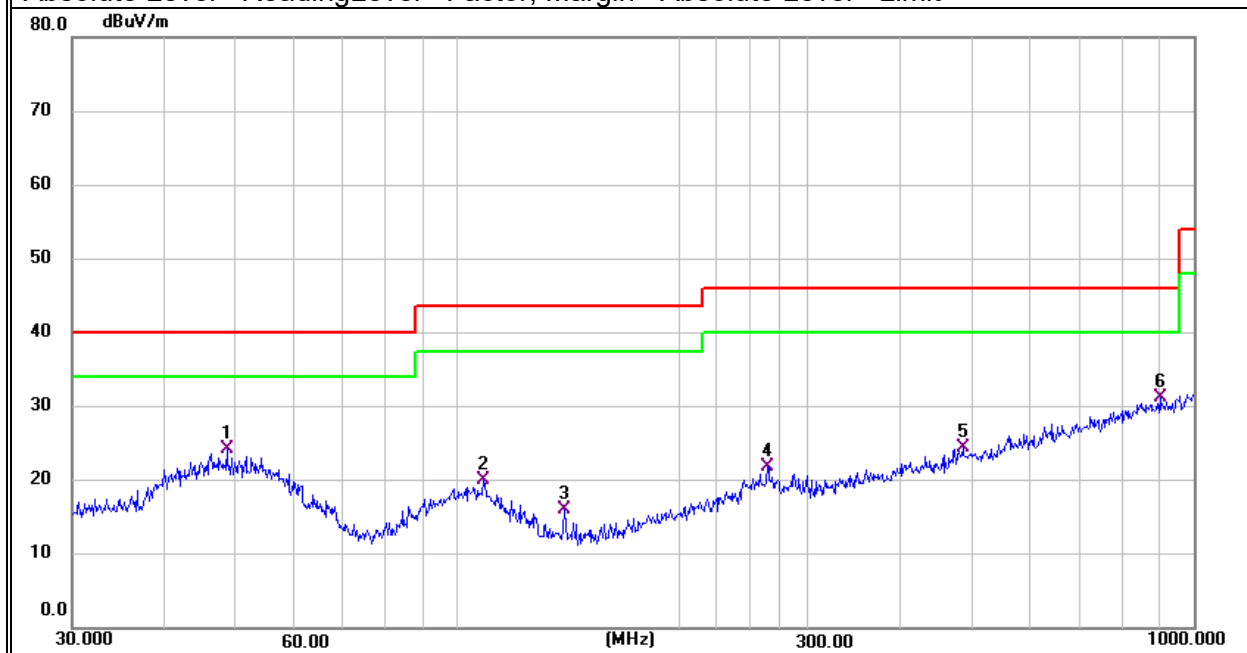
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
H	48.6720	4.30	19.95	24.25	40.00	-15.75	QP
H	108.6470	1.65	18.33	19.98	43.50	-23.52	QP
H	139.8505	1.38	14.59	15.97	43.50	-27.53	QP
H	263.8190	2.41	19.44	21.85	46.00	-24.15	QP
H	485.6091	0.24	24.19	24.43	46.00	-21.57	QP
H	900.1471	1.20	29.93	31.13	46.00	-14.87	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 :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26.2 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.91V
Test Mode :	TX 2457MHz		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ANT+1M 2457							
H	4914.000	53.17	-7.04	46.13	74	-27.87	peak
H	4914.000	49.19	-7.04	42.15	54	-11.85	AVG
H	7371.000	49.71	-2.08	47.63	74	-26.37	peak
H	7371.000	41.97	-2.08	39.89	54	-14.11	AVG
V	4914.000	51.30	-7.04	44.26	74	-29.74	peak
V	4914.000	46.54	-7.04	39.50	54	-14.50	AVG
V	7371.000	49.73	-2.08	47.65	74	-26.35	peak
V	7371.000	41.01	-2.08	38.93	54	-15.07	AVG
ANT+2M 2457							
H	4914.000	54.74	-7.04	47.70	74	-26.30	peak
H	4914.000	50.63	-7.04	43.59	54	-10.41	AVG
H	7371.000	50.58	-2.08	48.50	74	-25.50	peak
H	7371.000	42.11	-2.08	40.03	54	-13.97	AVG
V	4914.000	53.17	-7.04	46.13	74	-27.87	peak
V	4914.000	49.19	-7.04	42.15	54	-11.85	AVG
V	7371.000	49.71	-2.08	47.63	74	-26.37	peak
V	7371.000	41.97	-2.08	39.89	54	-14.11	AVG

Note : Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

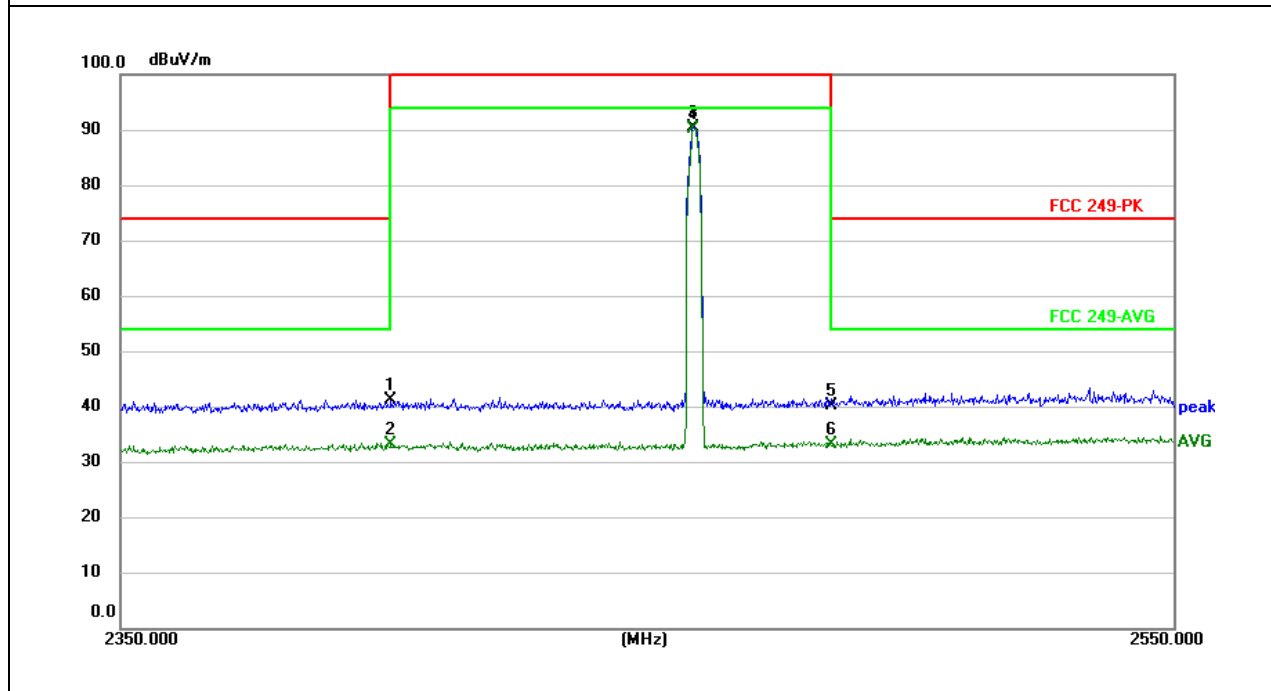
3.4.7 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26.2 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.91V
Test Mode :	TX 2457MHz-1M	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400.000	54.48	-13.21	41.27	74.00	-32.73	peak
2400.000	46.45	-13.21	33.24	54.00	-20.76	AVG
2457.000	103.37	-12.88	90.49	114.00	-23.51	peak
2457.000	102.93	-12.88	90.05	94.00	-3.95	AVG
2483.500	52.68	-12.38	40.30	74.00	-33.70	peak
2483.500	45.61	-12.38	33.23	54.00	-20.77	AVG

Remark:

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

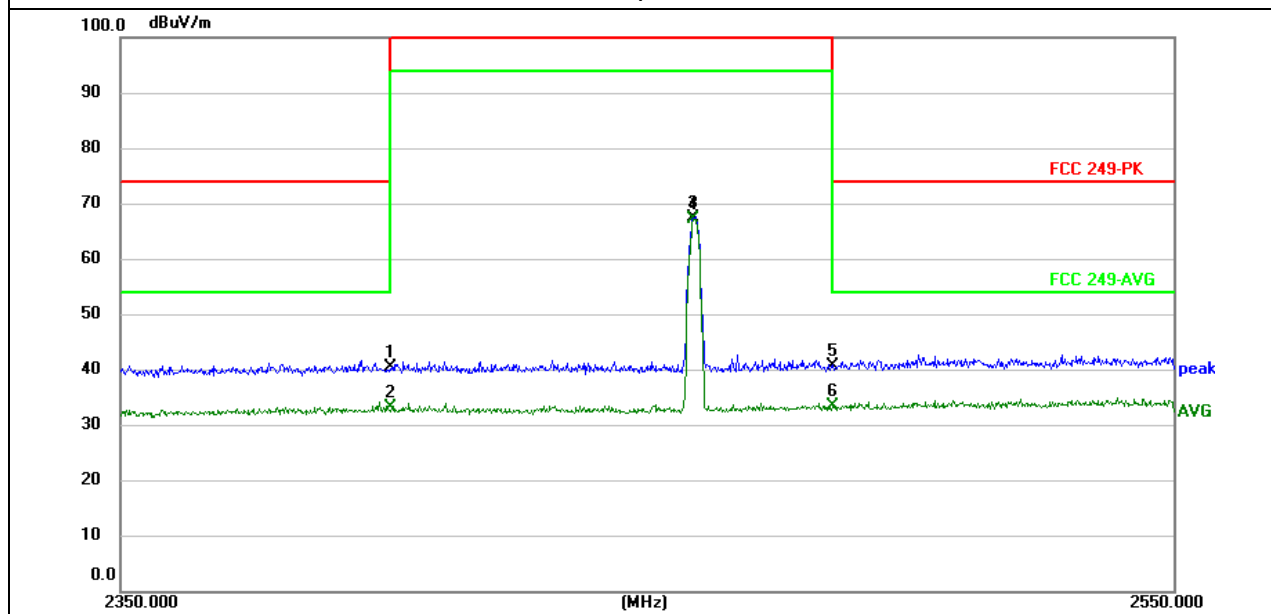


EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26.2 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.91V
Test Mode :	TX 2457MHz-1M	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400.000	53.69	-13.21	40.48	74.00	-33.52	peak
2400.000	46.58	-13.21	33.37	54.00	-20.63	AVG
2457.000	80.37	-12.88	67.49	114.00	-46.51	peak
2457.000	80.13	-12.88	67.25	94.00	-26.75	AVG
2483.500	53.17	-12.38	40.79	74.00	-33.21	peak
2483.500	46.01	-12.38	33.63	54.00	-20.37	AVG

Remark:

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

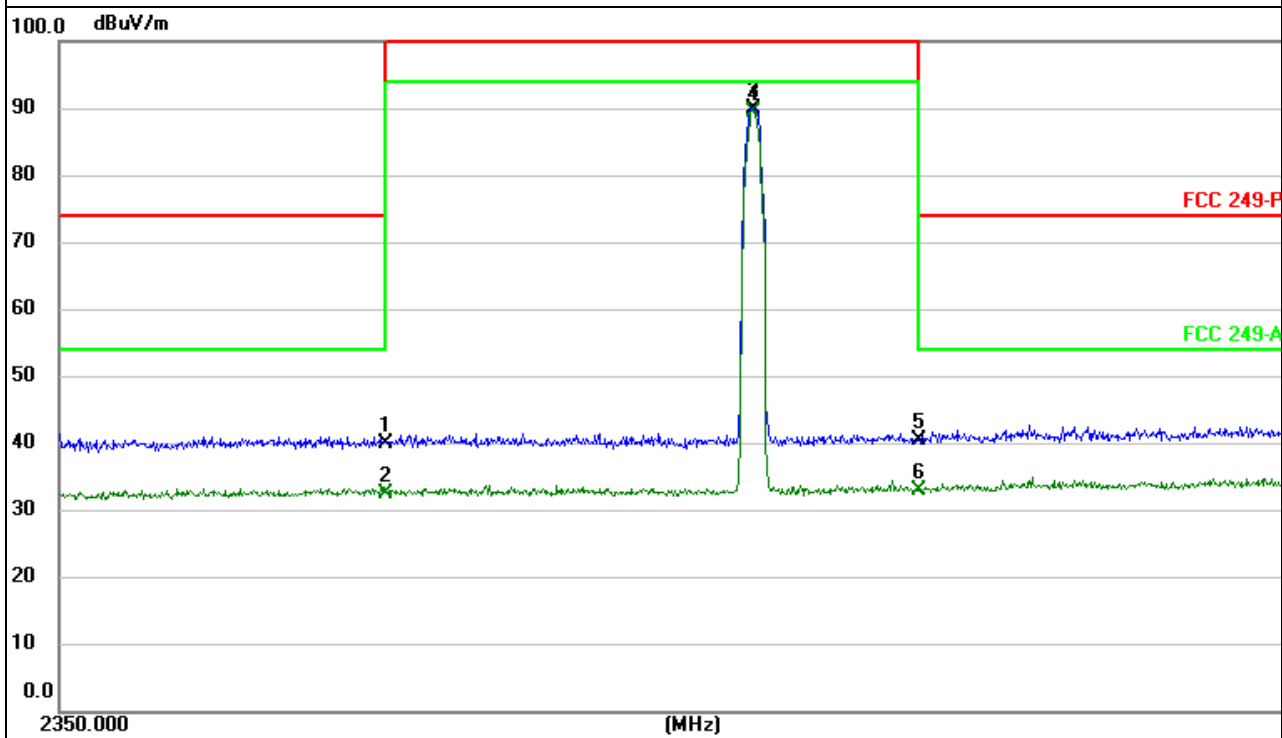


EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26.2 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.91V
Test Mode :	TX 2457MHz-2M	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400.000	53.14	-13.21	39.93	74.00	-34.07	peak
2400.000	45.87	-13.21	32.66	54.00	-21.34	AVG
2457.000	102.83	-12.88	89.95	114.00	-24.05	peak
2457.000	102.33	-12.88	89.45	94.00	-4.55	AVG
2483.500	52.99	-12.38	40.61	74.00	-33.39	peak
2483.500	45.30	-12.38	32.92	54.00	-21.08	AVG

Remark:

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

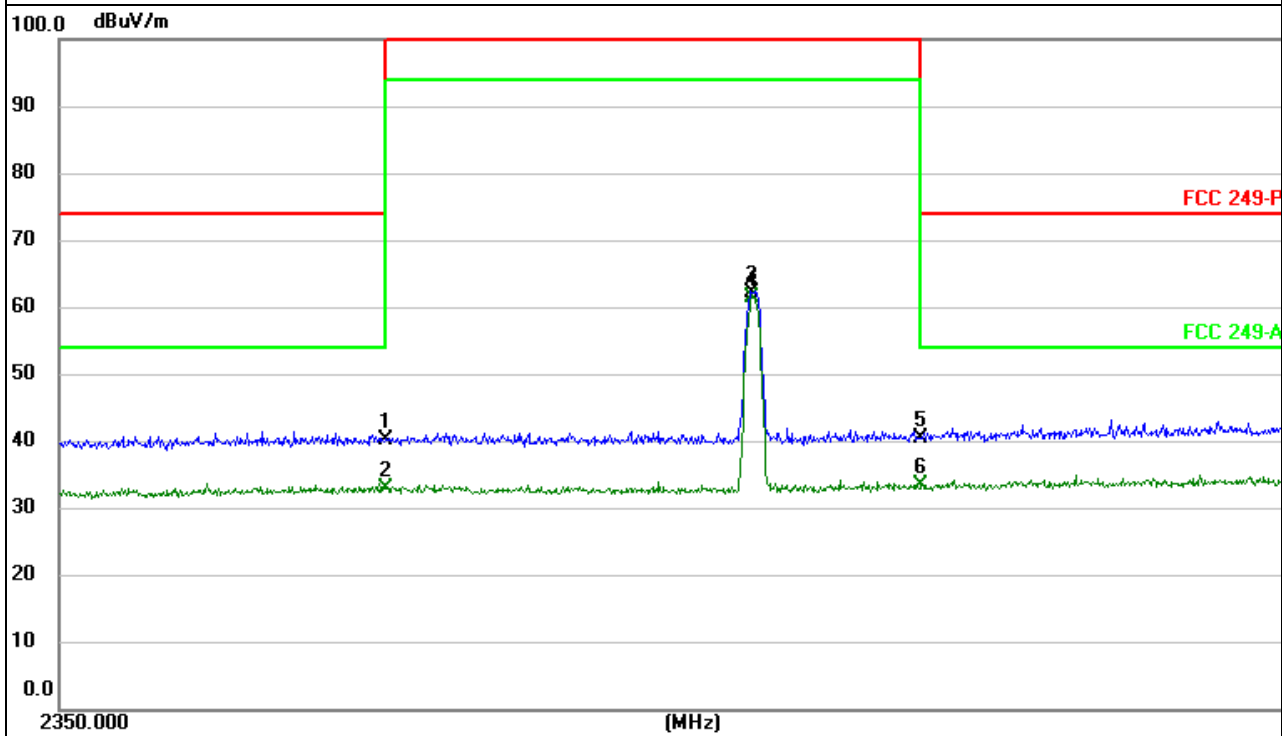


EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26.2 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.91V
Test Mode :	TX 2457MHz-2M	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400.000	53.45	-13.21	40.24	74.00	-33.76	peak
2400.000	46.19	-13.21	32.98	54.00	-21.02	AVG
2457.000	75.11	-12.88	62.23	114.00	-51.77	peak
2457.000	74.39	-12.88	61.51	94.00	-32.49	AVG
2483.500	52.91	-12.38	40.53	74.00	-33.47	peak
2483.500	45.91	-12.38	33.53	54.00	-20.47	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= 10KHz, VBW $\geq$ 3RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

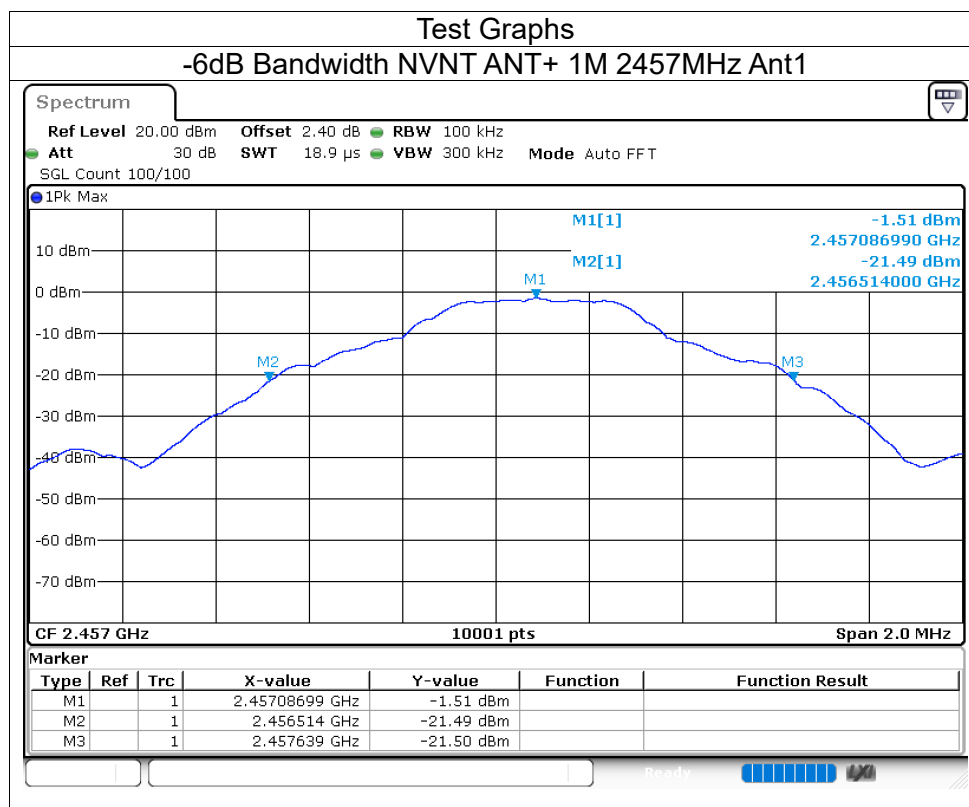
4.3 TEST SETUP



5. TEST RESULTS

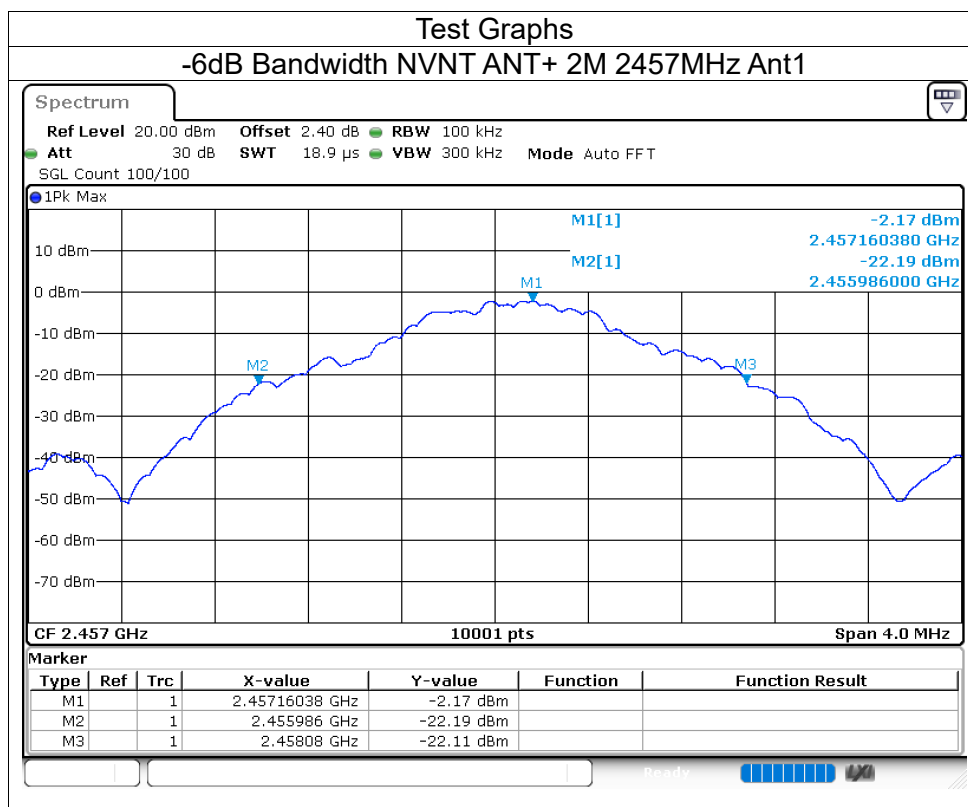
EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26 °C	Relative Humidity :	53%
Pressure :	1020 hPa	Test Power :	DC 3.91V
Test Mode :	Mode 1-1M		

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	ANT+ 1M	2457	Ant1	1.125	Report only



EUT :	GPS Sport Watch	Model Name :	QW-WR02
Temperature :	26 °C	Relative Humidity :	53%
Pressure :	1020 hPa	Test Power :	DC 3.91V
Test Mode :	Mode 1-2M		

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	ANT+ 2M	2457	Ant1	2.094	Report only



END OF REPORT