

TEST REPORT

Report No.: 8430EU011330E

Applicant: SKG Health Technologies Co., Ltd.

Address: 23A Floor, Building 3, Zhongke R&D Park, No.009
Gaoxin South 1st Rd, High-tech Zone Community,
Yuehai Street, Nanshan District, Shenzhen, China

Product Name: Smart Watch

Model No.: S5070AA

Trademark: SKG

FCC ID: 2AYVT-S5070AA

Test Standard(s): 47 CFR Part 15, Subpart B

Test Result: Pass

Date of Receipt: Apr. 13, 2026

Test Date: Apr. 14, 2026 - Apr. 24, 2026

Date of Issue: May 18, 2026

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED



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Sally Zhang/ Manager

Revision Record

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2 General Information

2.1 Applicant Information

Applicant	SKG Health Technologies Co., Ltd.
Address	23A Floor, Building 3, Zhongke R&D Park, No.009 Gaoxin South 1st Rd, High-tech Zone Community, Yuehai Street, Nanshan District, Shenzhen, China

2.2 Manufacturer Information

Manufacturer	SKG Health Technologies Co., Ltd.
Address	23A Floor, Building 3, Zhongke R&D Park, No.009 Gaoxin South 1st Rd, High-tech Zone Community, Yuehai Street, Nanshan District, Shenzhen, China

2.3 Factory Information

Factory	SKG Health Technologies Co., Ltd.
Address	23A Floor, Building 3, Zhongke R&D Park, No.009 Gaoxin South 1st Rd, High-tech Zone Community, Yuehai Street, Nanshan District, Shenzhen, China

2.4 General Description of E.U.T.

Product Name	Smart Watch
Model No. Under Test	S5070AA
List Model No.	N/A
Description of Model differentiation	N/A
Rating(s)	Input: 5VDC, 0.5A Battery Capacity: 3.85VDC, 550mAh, 2.117Wh
Test Sample No.	8430EU011330E-1/1
Hardware Version	N/A
Software Version	N/A
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.5 Technical Information of E.U.T.

Classification of equipment	Class B
F _x (Highest internal frequency)	1.705-2480MHz
Remark	The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.

3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

47 CFR Part 15, Subpart B: Unintentional Radiators

Remark:

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

Test Items	Standard	Method	Requirement	Results
Conducted emissions on AC mains	47 CFR Part 15, Subpart B	ANSI C63.4a-2017	15.107, Class B	Pass
Radiated emissions (Below 1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4a-2017	15.109, Class B	Pass
Note: (1) "N/A" denotes test is not applicable in this Test Report.				

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Designation Number	CN1368
Test Firm Registration Number	952583

4 Test Configuration

4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15°C to +35°C
Working Voltage of the EUT	NV (Normal Voltage)	120VAC, 60Hz for adapter 3.85VDC Battery inside

4.2 Test Equipment

Conducted emissions on AC mains					
Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
Test Software	Farad	EZ-EMC	EE-014	/	/
EMI Test Receiver	Rohde & Schwarz	ESCI	EE-005	2026-01-07	2027-01-06
L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	EE-004	2026-01-07	2027-01-06

Radiated emissions					
Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESPI	EE-006	2026-01-07	2027-01-06
Double Ridged Horn Antenna	A-INFOMW	LB-10180-NF	EE-008	2026-01-11	2029-01-10
Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	EE-007	2026-01-13	2029-01-12
Pre-amplifier	Agilent	8447D	EE-009	2026-01-07	2027-01-06
Pre-amplifier	Agilent	8449B	EE-010	2026-01-07	2027-01-06
MXG RF Vector Signal Generator	Agilent	N5182A	EE-012	2026-01-07	2027-01-06
DRG Horn Antenna	SCHWARZBECK	BBHA 9170	EE-410	2026-02-13	2027-02-12
MXA Signal Analyzer	Agilent	N9020A	EE-011	2026-01-07	2027-01-06
Test Software	Farad	EZ-EMC	EE-015	/	/

4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	Adapter	MI	A232-050200U-CN2	EMC-PJ-004

4.4 Test Mode

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 bellow was evaluated respectively.

No.	Test Modes	Description
TM1	Charging Mode	Keep the EUT in charging mode.
TM2	Working Mode	Keep the EUT in working mode.
TM3	GPS Mode	Keep the EUT in GPS mode.

4.5 Description of Calculation

4.5.1 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS \text{ (dBuV/m)} = RA \text{ (dBuV)} + AF \text{ (dB/m)} + CL \text{ (dB)} - AG \text{ (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

4.5.2 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dBuV)} = RA \text{ (dBuV)} + PL \text{ (dB)} + CL \text{ (dB)}$$

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

4.6 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Test Item	Measurement Uncertainty
Conducted Emission	2.64 dB
Radiated Emission (30MHz- 1GHz)	2.70 dB

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Condition

None

5 Emission Test Results (EMI)

5.1 Conducted emissions on AC mains

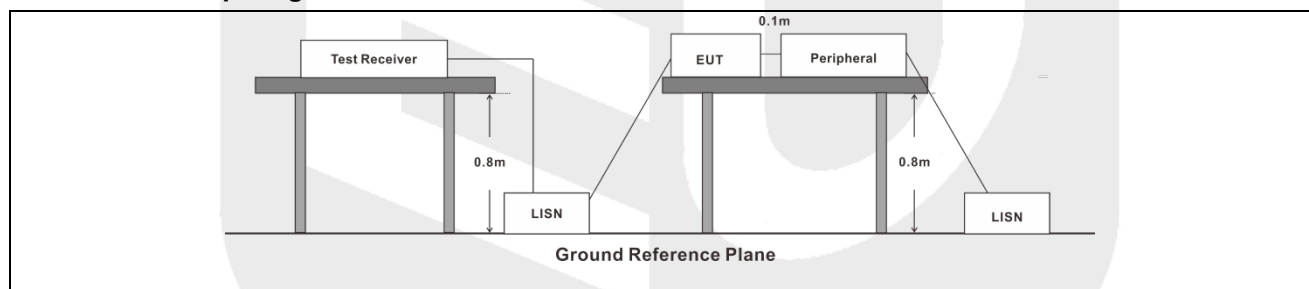
5.1.1 Test Specification

Test Requirement:	15.107, Class B		
Test Limit:	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.		
Test Method:	ANSI C63.4a-2017		
Procedure:	An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor		

5.1.2 E.U.T. Operation

Pre test mode:	TM1, TM3
Final test mode:	TM1

5.1.3 Test Setup Diagram



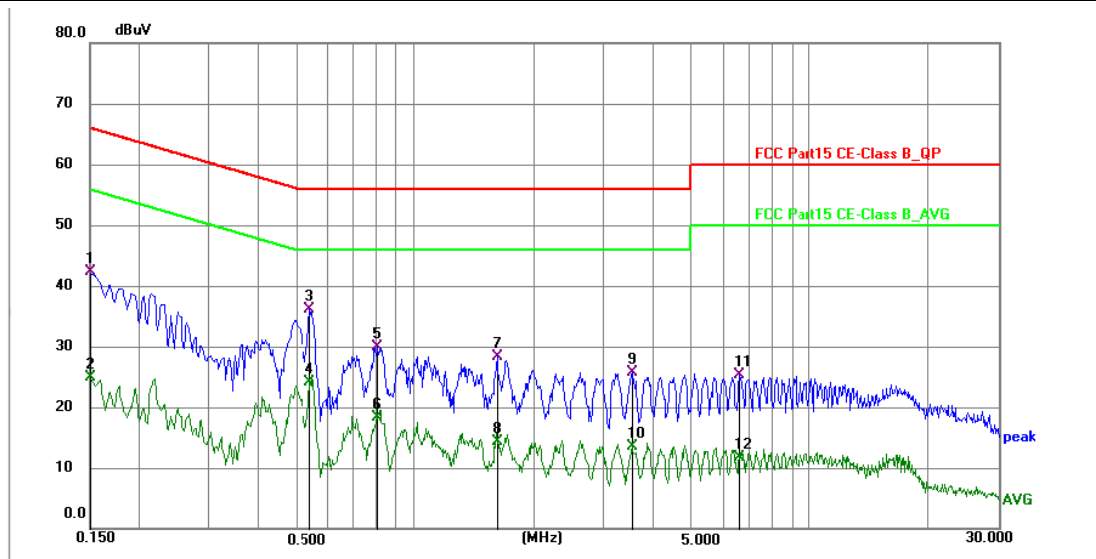
5.1.4 Test Data

PASS.

Only the worst case data was showed in the report, please to see the following pages.

Conducted emissions on AC mains Test Data

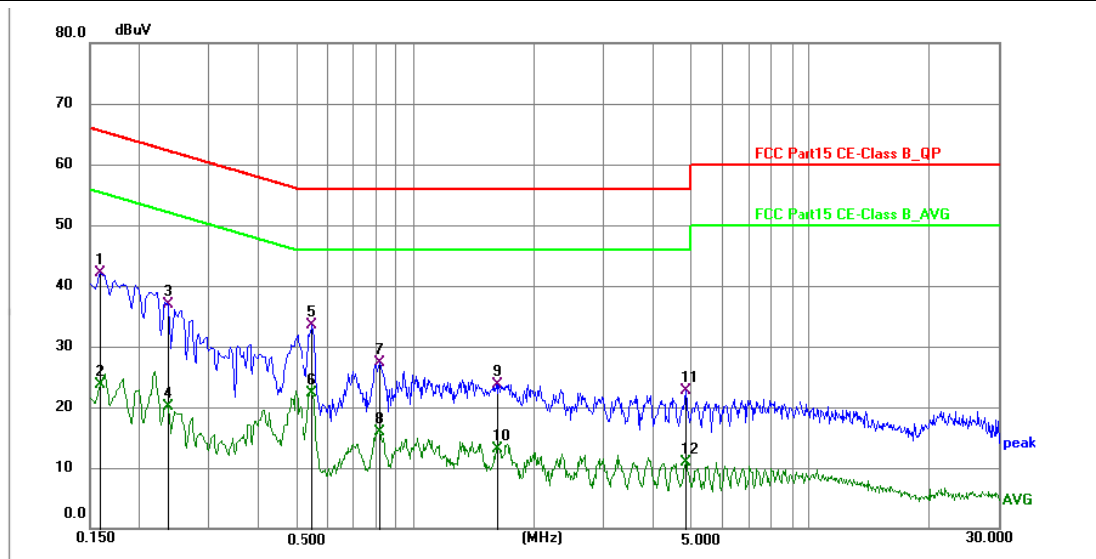
TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	32.26	9.95	42.21	66.00	-23.79	QP	P	
2	0.1500	15.01	9.95	24.96	56.00	-31.04	AVG	P	
3 *	0.5414	26.04	10.04	36.08	56.00	-19.92	QP	P	
4	0.5414	14.10	10.04	24.14	46.00	-21.86	AVG	P	
5	0.8070	19.95	10.04	29.99	56.00	-26.01	QP	P	
6	0.8070	8.26	10.04	18.30	46.00	-27.70	AVG	P	
7	1.6170	18.37	10.03	28.40	56.00	-27.60	QP	P	
8	1.6170	4.34	10.03	14.37	46.00	-31.63	AVG	P	
9	3.5295	15.69	10.05	25.74	56.00	-30.26	QP	P	
10	3.5295	3.44	10.05	13.49	46.00	-32.51	AVG	P	
11	6.6254	15.39	10.01	25.40	60.00	-34.60	QP	P	
12	6.6254	1.65	10.01	11.66	50.00	-38.34	AVG	P	

Conducted emissions on AC mains Test Data

TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1590	32.10	9.98	42.08	65.52	-23.44	QP	P	
2	0.1590	13.72	9.98	23.70	55.52	-31.82	AVG	P	
3	0.2355	26.88	9.99	36.87	62.25	-25.38	QP	P	
4	0.2355	10.20	9.99	20.19	52.25	-32.06	AVG	P	
5 *	0.5505	23.44	10.07	33.51	56.00	-22.49	QP	P	
6	0.5505	12.28	10.07	22.35	46.00	-23.65	AVG	P	
7	0.8160	17.29	10.07	27.36	56.00	-28.64	QP	P	
8	0.8160	5.88	10.07	15.95	46.00	-30.05	AVG	P	
9	1.6260	13.72	10.07	23.79	56.00	-32.21	QP	P	
10	1.6260	3.08	10.07	13.15	46.00	-32.85	AVG	P	
11	4.8390	12.56	10.05	22.61	56.00	-33.39	QP	P	
12	4.8390	0.91	10.05	10.96	46.00	-35.04	AVG	P	

5.2 Radiated emissions (Below 1GHz)

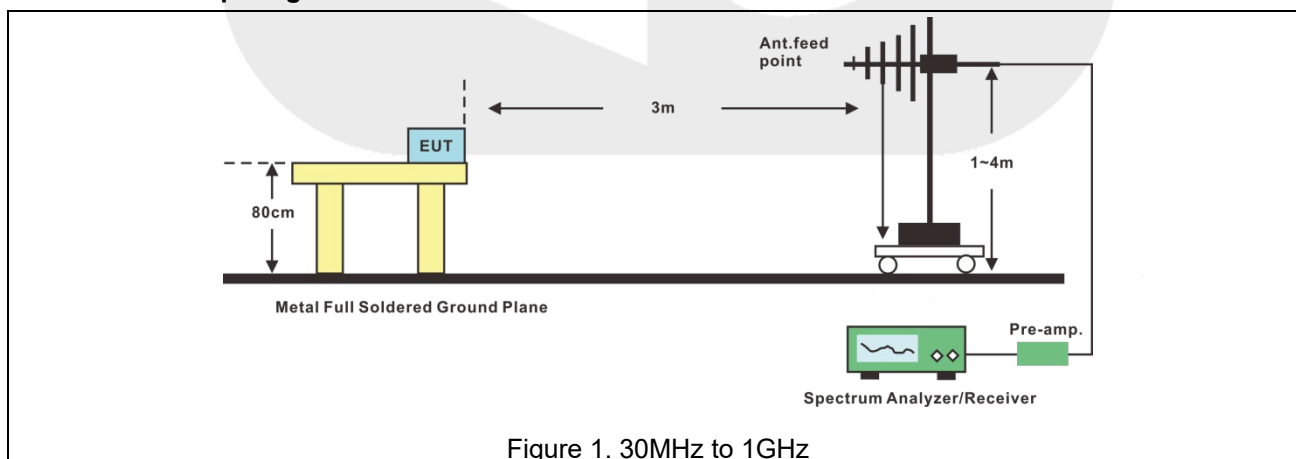
5.2.1 Test Specification

Test Requirement:	15.109, Class B				
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:				
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
		(µV/m)	(dBµV/m)	(µV/m)	(dBµV/m)
	30 – 88	100	40	30	29.5
	88 – 216	150	43.5	45	33.1
	216 – 960	200	46	60	35.6
	Above 960	500	54	150	43.5
Test Method:	ANSI C63.4a-2017				
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor				

5.2.2 E.U.T. Operation

Pre test mode:	TM1, TM2, TM3
Final test mode:	TM1

5.2.3 Test Setup Diagram



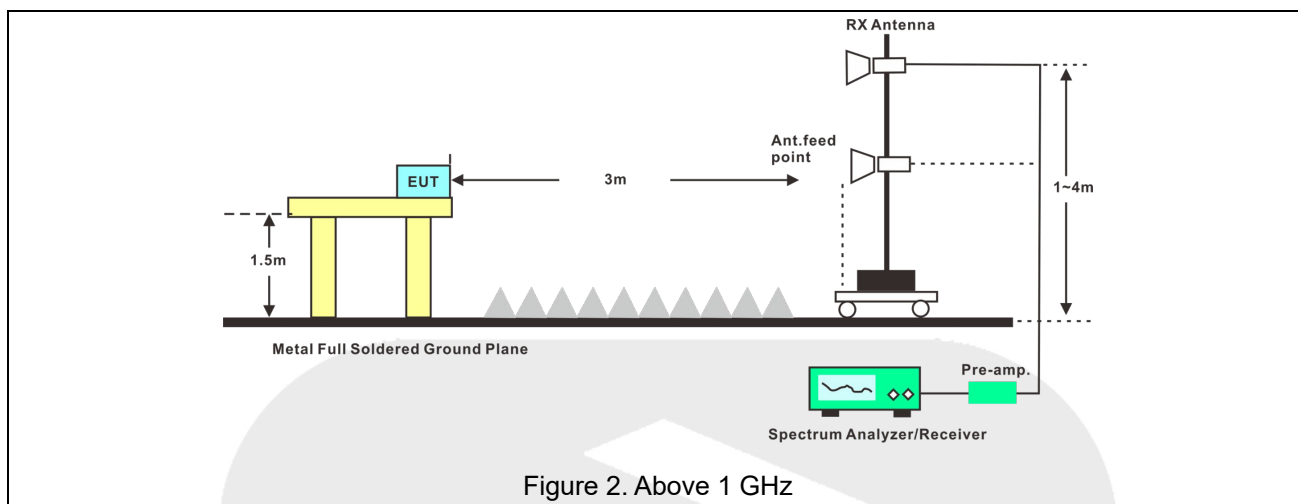


Figure 2. Above 1 GHz

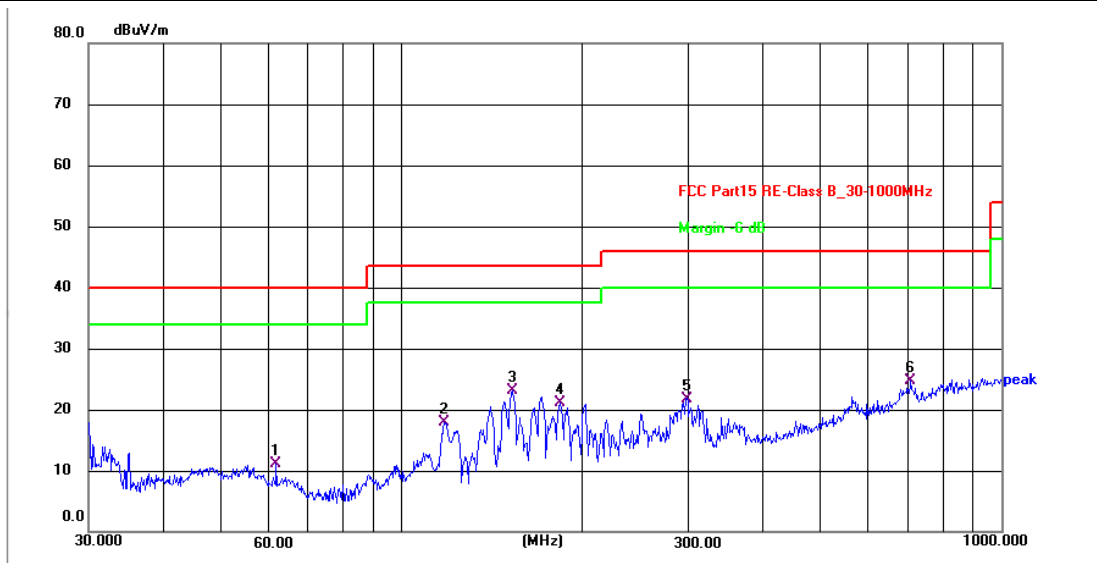
5.2.4 Test Data

PASS.

Only the worst case data was showed in the report, please to see the following pages.

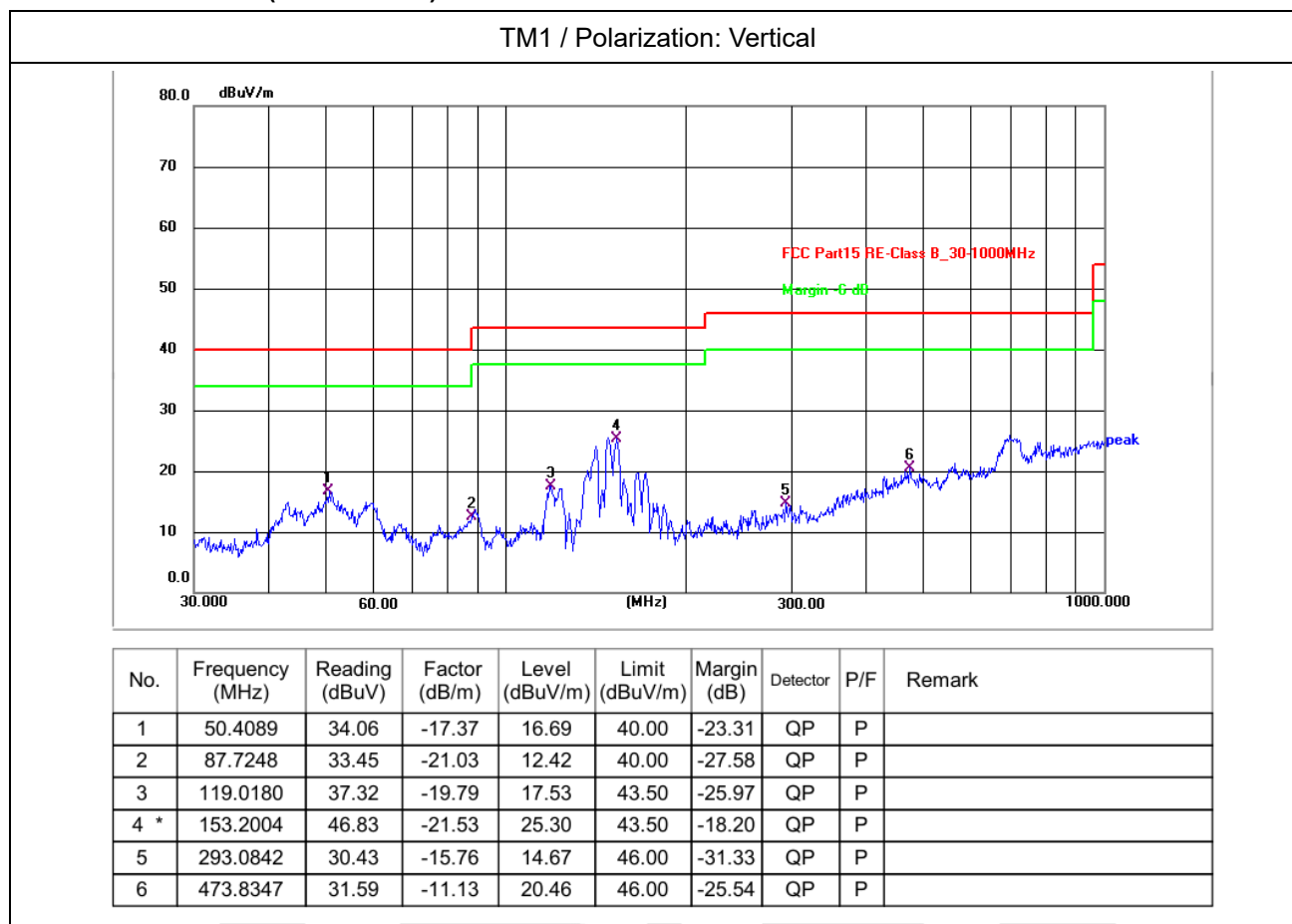
Radiated emissions (Below 1GHz) Test Data

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	61.5618	29.88	-18.83	11.05	40.00	-28.95	QP	P	
2	117.7725	37.59	-19.71	17.88	43.50	-25.62	QP	P	
3 *	152.6641	44.72	-21.57	23.15	43.50	-20.35	QP	P	
4	183.2005	40.66	-19.47	21.19	43.50	-22.31	QP	P	
5	298.2681	37.45	-15.65	21.80	46.00	-24.20	QP	P	
6	706.6999	31.64	-6.92	24.72	46.00	-21.28	QP	P	

Radiated emissions (Below 1GHz) Test Data



Note: Level = Reading + Factor

Margin = Level – Limit

Radiated Emission Test Data (1GHz-18GHz)

Test Mode: TM3								
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	3151.83	42.24	3.75	45.99	74.00	-28.02	PK	PASS
V	4727.09	34.72	5.02	39.74	74.00	-34.26	PK	PASS
V	6302.16	28.28	5.69	33.97	74.00	-40.03	PK	PASS
V	7877.43	*	*	*	74.00	*	PK	PASS
V	9452.92	*	*	*	74.00	*	PK	PASS
V	11028.16	*	*	*	74.00	*	PK	PASS
H	3150.89	42.81	3.75	46.56	74.00	-27.44	PK	PASS
H	4727.16	33.20	5.02	38.22	74.00	-35.79	PK	PASS
H	6302.42	29.90	5.69	35.59	74.00	-38.42	PK	PASS
H	7877.82	*	*	*	74.00	*	PK	PASS
H	9452.64	*	*	*	74.00	*	PK	PASS
H	11028.56	*	*	*	74.00	*	PK	PASS
V	3151.83	32.59	3.75	36.34	54.00	-17.67	AV	PASS
V	4727.09	24.58	5.02	29.60	54.00	-24.40	AV	PASS
V	6302.16	18.08	5.69	23.77	54.00	-30.24	AV	PASS
V	7877.43	*	*	*	54.00	*	AV	PASS
V	9452.92	*	*	*	54.00	*	AV	PASS
V	11028.16	*	*	*	54.00	*	AV	PASS
H	3150.89	30.03	3.75	33.78	54.00	-20.23	AV	PASS
H	4727.16	24.18	5.02	29.20	54.00	-24.81	AV	PASS
H	6302.42	19.72	5.69	25.41	54.00	-28.60	AV	PASS
H	7877.82	*	*	*	54.00	*	AV	PASS
H	9452.64	*	*	*	54.00	*	AV	PASS
H	11028.56	*	*	*	54.00	*	AV	PASS

ANNEX A TEST SETUP PHOTOS

Please refer to the document "8430EU011330E-ANNEX A.PDF"

ANNEX B EXTERNAL PHOTOS

Please refer to the document "8430EU011329W-ANNEX B.PDF"

ANNEX C INTERNAL PHOTOS

Please refer to the document "8430EU011329W-ANNEX C.PDF"



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