

Test Report

Report No. : MTi260611013-0109E1
Date of issue : 2026-06-24
Applicant : Dawei Healthcare Technology (Jiangsu) Co.,
Ltd.
Product : DAWEI Smart Ring
Model(s) : DOR1, DOR2, DOR3, DOR4, DOR5
FCC ID : 2BWQGDOR1

Shenzhen Microtest Co., Ltd.

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Test Result Certification		
Applicant	Dawei Healthcare Technology (Jiangsu) Co., Ltd.	
Applicant Address	28 Jinqiao Road, Economic and Technological Development Zone, 221004 Xuzhou, Jiangsu, PEOPLE'S REPUBLIC OF CHINA	
Manufacturer	Dawei Healthcare Technology (Jiangsu) Co., Ltd.	
Manufacturer Address	28 Jinqiao Road, Economic and Technological Development Zone, 221004 Xuzhou, Jiangsu, PEOPLE'S REPUBLIC OF CHINA	
Factory	Dawei Healthcare Technology (Jiangsu) Co., Ltd.	
Factory Address	28 Jinqiao Road, Economic and Technological Development Zone, 221004 Xuzhou, Jiangsu, PEOPLE'S REPUBLIC OF CHINA	
Product description		
Product name	DAWEI Smart Ring	
Trademark	N/A	
Model name	DOR1	
Series Model(s)	DOR2, DOR3, DOR4, DOR5	
Standards	47 CFR Part 15, Subpart B	
Test Method	ANSI C63.4-2014	
Testing Information		
Date of test	2026-06-21 to 2026-06-21	
Test result	Pass	
Prepared by:	Letter Lan	<i>Letter Lan.</i>
Reviewed by:	David Lee	<i>David. Lee</i>
Approved by:	Lewis Lian	<i>Lewis Lian</i>

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1 General Description

1.1 Description of the EUT

Product name:	DAWEI Smart Ring
Model name:	DOR1
Series Model(s):	DOR2, DOR3, DOR4, DOR5
Model difference:	All the models are the same circuit and module, except the model name, appearance and color.
Electrical rating:	Input: 3.7VDC 0.015A Battery: 3.7VDC 16mAh
Accessories:	N/A
Test sample(s) number:	MTi260611013-01-E001

1.2 Description of test modes

For test, the EUT has been pre-tested under the following test modes, Only the worst case data will be shown in the report.

No.	Emission test modes
Mode1	BT Link

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1.3 Environmental Conditions

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

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

1.4 Description of support units

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.

Support equipment list

Description	Model	Serial No.	Manufacturer
Mobile phone	iPhone 13	/	Apple

Support cable list

Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Radiated emissions (30MHz~1GHz)	±4.7dB
Radiated emissions (above 1GHz)	±5.1dB
Temperature	±1 °C
Humidity	± 5 %

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

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2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Radiated emissions (Below 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass
2	Radiated emissions (Above 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass

Note: The device is a DC power supply and does not apply to conducted emissions.

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3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573
IC Registration No.:	21760
CABID:	CN0093

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4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Radiated emissions (Below 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESC17	101166	2026-03-10	2027-03-09
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC- 3A1	/	/
Radiated emissions (Above 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESC17	101166	2026-03-10	2027-03-09
2	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120 D	2278	2025-05-27	2027-05-26
3	Amplifier	Agilent	8449B	3008A01120	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC- 3A1	/	/

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5 Emission Test Results (EMI)

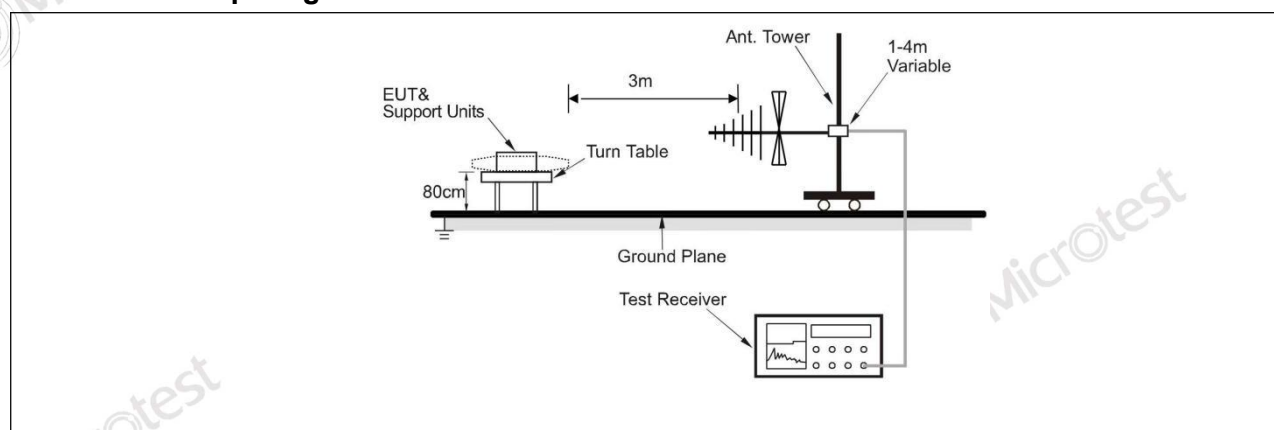
5.1 Radiated emissions (Below 1GHz)

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: <table border="1"> <thead> <tr> <th rowspan="2">Frequency of emission (MHz)</th><th colspan="2">Field strength @3m</th><th colspan="2">Field strength @10m</th></tr> <tr> <th>($\mu\text{V/m}$)</th><th>(dB$\mu\text{V/m}$)</th><th>($\mu\text{V/m}$)</th><th>(dB$\mu\text{V/m}$)</th></tr> </thead> <tbody> <tr> <td>30 – 88</td><td>100</td><td>40</td><td>30</td><td>29.5</td></tr> <tr> <td>88 – 216</td><td>150</td><td>43.5</td><td>45</td><td>33.1</td></tr> <tr> <td>216 – 960</td><td>200</td><td>46</td><td>60</td><td>35.6</td></tr> <tr> <td>Above 960</td><td>500</td><td>54</td><td>150</td><td>43.5</td></tr> </tbody> </table>				Frequency of emission (MHz)	Field strength @3m		Field strength @10m		($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	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
Frequency of emission (MHz)	Field strength @3m		Field strength @10m																														
	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)																													
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 C63.4-2014																																
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																																

5.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25 °C	Humidity:	61 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

5.1.2 Test Setup Diagram:

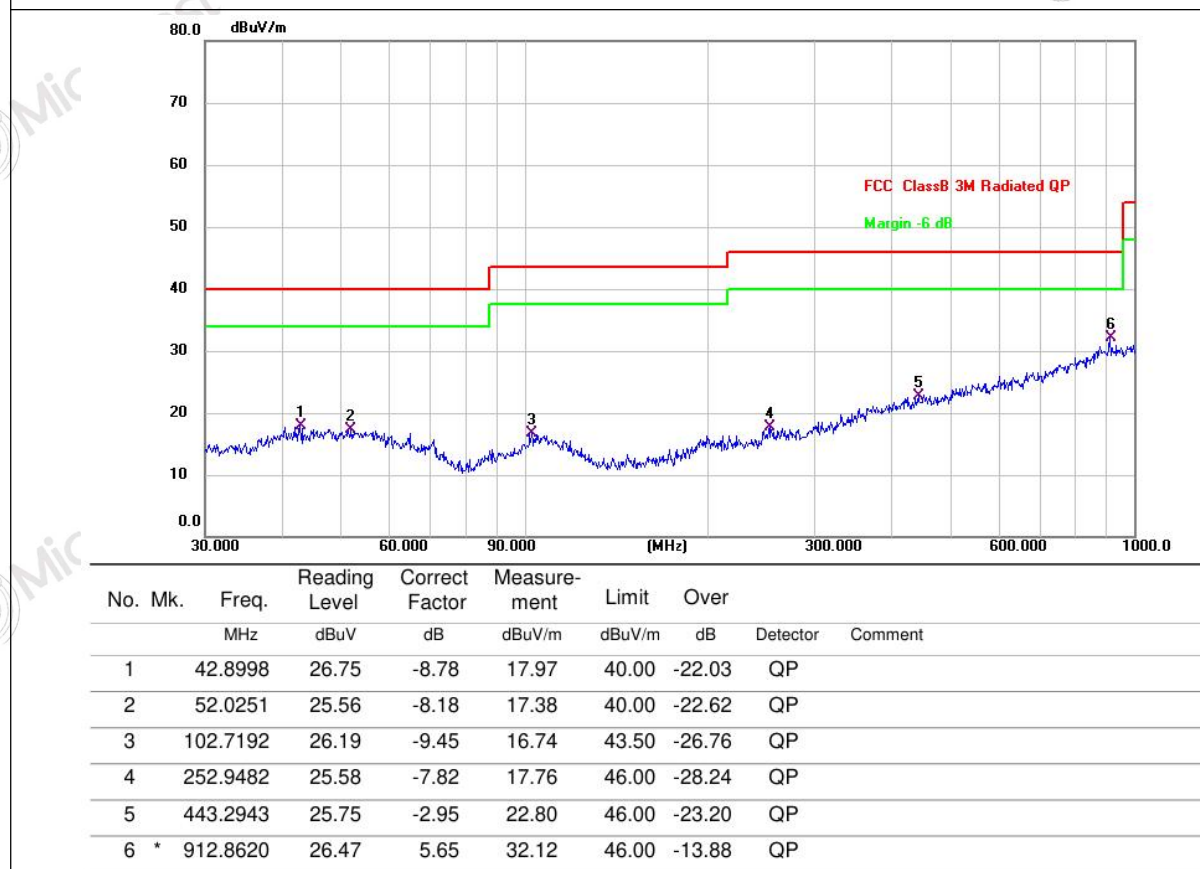


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5.1.3 Test Data:

Mode1 / Polarization: Horizontal



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Mode1 / Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		48.1626	26.32	-8.40	17.92	40.00	-22.08	QP	
2		102.0014	25.91	-9.53	16.38	43.50	-27.12	QP	
3		195.8220	24.88	-9.14	15.74	43.50	-27.76	QP	
4		451.1350	26.24	-2.70	23.54	46.00	-22.46	QP	
5		675.2080	25.67	1.07	26.74	46.00	-19.26	QP	
6	*	948.7610	25.25	6.12	31.37	46.00	-14.63	QP	

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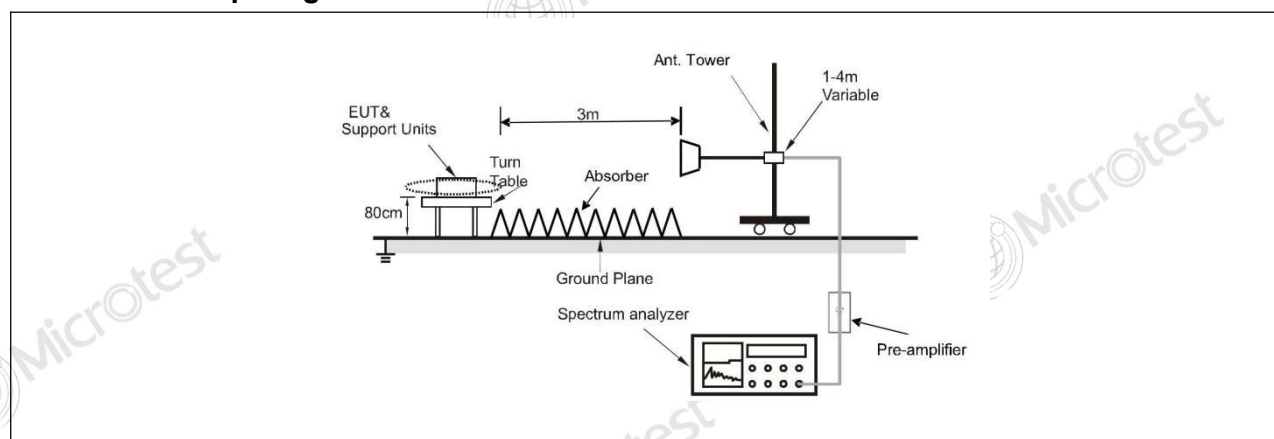
5.2 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B			
Test Limit:	Frequency of emission (MHz)	Field strength @3m		
		Average (uV/m)	Average(d BuV/m)	Peak (dBuV/m)
	Above 1GHz	500	54	74
Test Method:	ANSI C63.4-2014			
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor			

5.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	24.6 °C	Humidity:	68 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

5.2.2 Test Setup Diagram:

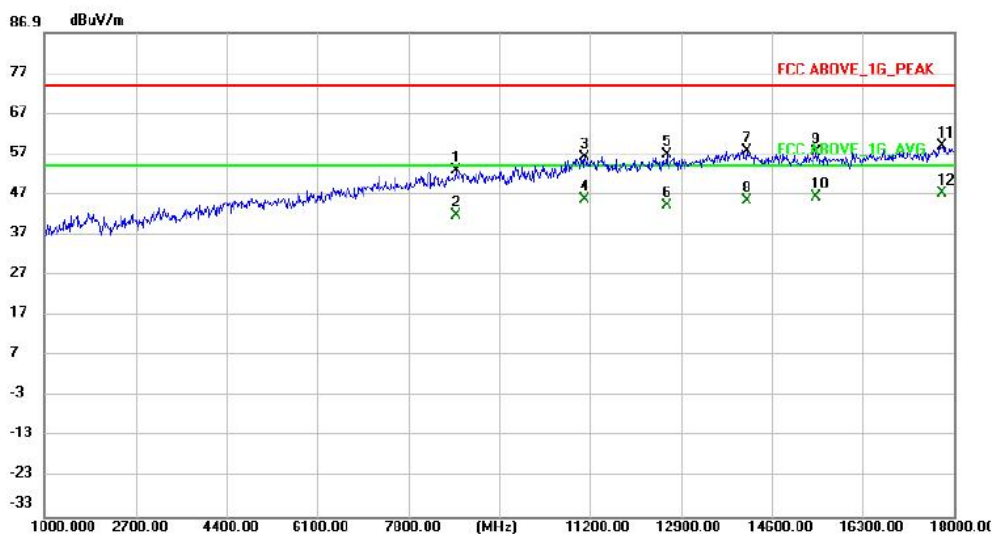


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5.2.3 Test Data:

Mode1 / Polarization: Horizontal

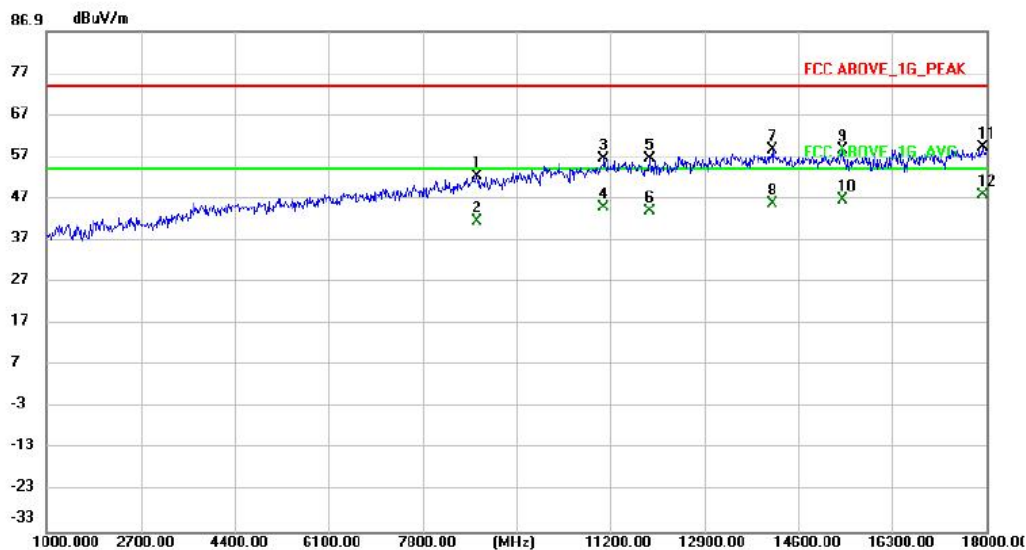


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		8684.000	43.78	9.08	52.86	74.00	-21.14	peak	
2		8684.000	32.65	9.08	41.73	54.00	-12.27	AVG	
3		11098.000	44.01	12.26	56.27	74.00	-17.73	peak	
4		11098.000	33.43	12.26	45.69	54.00	-8.31	AVG	
5		12628.000	43.67	13.16	56.83	74.00	-17.17	peak	
6		12628.000	31.11	13.16	44.27	54.00	-9.73	AVG	
7		14124.000	42.74	14.85	57.59	74.00	-16.41	peak	
8		14124.000	30.53	14.85	45.38	54.00	-8.62	AVG	
9		15433.000	44.61	12.88	57.49	74.00	-16.51	peak	
10		15433.000	33.27	12.88	46.15	54.00	-7.85	AVG	
11		17779.000	45.37	13.63	59.00	74.00	-15.00	peak	
12	*	17779.000	33.63	13.63	47.26	54.00	-6.74	AVG	

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Mode1 / Polarization: Vertical

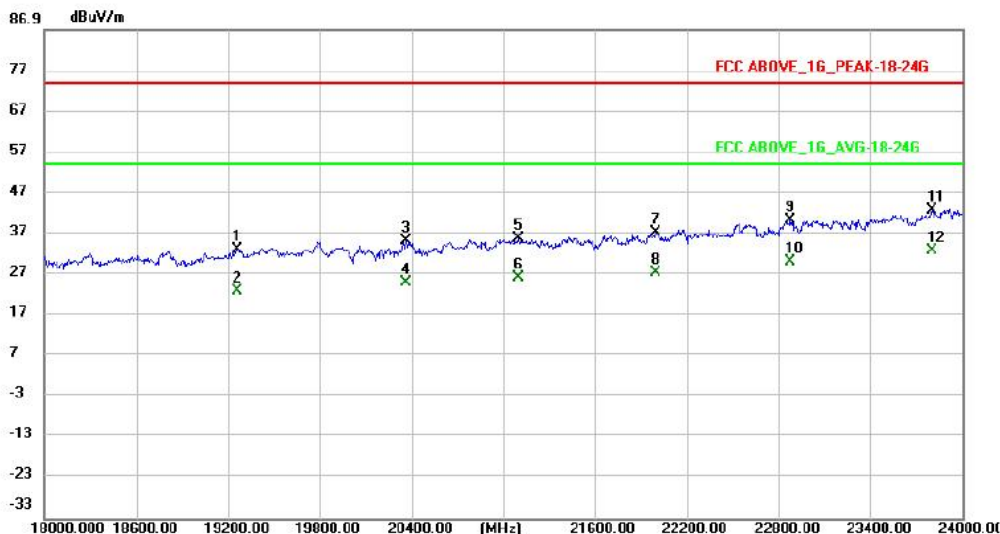


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	8786.000	43.36	9.02	52.38	74.00	-21.62	peak	
2	8786.000	32.50	9.02	41.52	54.00	-12.48	AVG	
3	11081.000	44.18	12.22	56.40	74.00	-17.60	peak	
4	11081.000	32.45	12.22	44.67	54.00	-9.33	AVG	
5	11914.000	44.78	11.80	56.58	74.00	-17.42	peak	
6	11914.000	32.14	11.80	43.94	54.00	-10.06	AVG	
7	14124.000	43.63	14.85	58.48	74.00	-15.52	peak	
8	14124.000	30.88	14.85	45.73	54.00	-8.27	AVG	
9	15399.000	45.67	12.87	58.54	74.00	-15.46	peak	
10	15399.000	33.64	12.87	46.51	54.00	-7.49	AVG	
11	17932.000	44.69	14.46	59.15	74.00	-14.85	peak	
12 *	17932.000	33.22	14.46	47.68	54.00	-6.32	AVG	

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Mode1 / Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		19260.000	69.61	-36.59	33.02	74.00	-40.98	peak	
2		19260.000	59.32	-36.59	22.73	54.00	-31.27	AVG	
3		20364.000	71.94	-36.65	35.29	74.00	-38.71	peak	
4		20364.000	61.73	-36.65	25.08	54.00	-28.92	AVG	
5		21102.000	72.44	-36.80	35.64	74.00	-38.36	peak	
6		21102.000	62.96	-36.80	26.16	54.00	-27.84	AVG	
7		21996.000	74.15	-37.00	37.15	74.00	-36.85	peak	
8		21996.000	64.40	-37.00	27.40	54.00	-26.60	AVG	
9		22878.000	77.47	-37.15	40.32	74.00	-33.68	peak	
10		22878.000	67.20	-37.15	30.05	54.00	-23.95	AVG	
11		23802.000	79.75	-37.20	42.55	74.00	-31.45	peak	
12	*	23802.000	69.83	-37.20	32.63	54.00	-21.37	AVG	

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Mode1 / Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		18984.000	72.42	-36.69	35.73	74.00	-38.27	peak	
2		18984.000	62.37	-36.69	25.68	54.00	-28.32	AVG	
3		19692.000	73.63	-36.40	37.23	74.00	-36.77	peak	
4		19692.000	62.81	-36.40	26.41	54.00	-27.59	AVG	
5		20232.000	74.17	-36.59	37.58	74.00	-36.42	peak	
6		20232.000	63.98	-36.59	27.39	54.00	-26.61	AVG	
7		21324.000	76.18	-36.83	39.35	74.00	-34.65	peak	
8		21324.000	65.57	-36.83	28.74	54.00	-25.26	AVG	
9		22578.000	78.64	-37.03	41.61	74.00	-32.39	peak	
10		22578.000	68.61	-37.03	31.58	54.00	-22.42	AVG	
11		23724.000	79.77	-37.21	42.56	74.00	-31.44	peak	
12	*	23724.000	69.41	-37.21	32.20	54.00	-21.80	AVG	

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Photographs of the test setup

Refer to Appendix - test setup

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Photographs of the EUT

Refer to Appendix - EUT Photos

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****