FCC TEST REPORT

Product	:	reTerminal DM
Trade mark	:	Seeed Studio
Model/Type reference	:	reTerminal DM-R100, reTerminal DM-R101
Serial Number	:	N/A
Ratings	:	DC input: 12-24V⎓2A or PoE input: 48V⎓0.74A
Report Number	:	EED32P807107
Date of Issue	:	Jun. 14, 2023
Regulations	:	See below

Test Standards	Results
☒ 47 CFR FCC Part 15 Subpart B	PASS

Prepared for:

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Approved by: Aaron Ma Date of Issue: Jun. 14, 2023

Aaron Ma Check No.:8228160523

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(Note: N/A means not applicable)

1. GENERAL INFORMATION

Applicant:	Seeed Technology Co., Ltd. 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C
Manufacturer:	Seeed Technology Co., Ltd. 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C
Product:	reTerminal DM
Trade mark:	Seeed Studio
Model/Type reference:	reTerminal DM-R100, reTerminal DM-R101
Serial Number:	N/A
Report Number:	EED32P807107
State of Sample(s):	Normal
Sample Received Date:	May 19, 2023
Sample tested Date:	May 19, 2023 to May 30, 2023

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified.

2. TEST SUMMARY

The Product has been tested according to the following specifications:

Standard	Test Item	Test Method	Test
FCC 15.107	Conducted Emission	ANSI C63.4:2014	Yes
FCC 15.109	Radiated Emission	ANSI C63.4:2014	Yes

3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product 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	Value (dB)
Conducted disturbance	3.1
Radiated disturbance (30MHz to 1GHz)	4.9

Radiated disturbance (1GHz to 6GHz)	4.7

4. PRODUCT INFORMATION AND TEST SETUP

4.1. PRODUCT INFORMATION

Ratings: AC 230V/50Hz, AC110V/60Hz

Model Difference: Their electrical circuit design, layout, components used and internal Wiring were identical, only the POE power model is different. The test model is reTerminal DM-R100, and the test results are equivalent to other models.

4.2. TEST SETUP CONFIGURATION

See test photographs attached in Appendix 1 for the actual connections between Product and support equipment.

4.3. SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	Data Cable	Power Cord
1.	---	---	---	---	---	---

Notes:
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

5. FACILITIES AND ACCREDITATIONS

5.1. TEST FACILITY

All test facilities used to collect the test data are located at Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4, CISPR 16-1-1 and other equivalent standards.

5.2. TEST EQUIPMENT LIST

Instrumentation: The following list contains equipments used at CTI for testing.
The calibrations of the measuring instruments, including any accessories that may effect such calibration, are checked frequently to assure their accuracy. Adjustments are made and correction factors applied in accordance with instructions contained in the manual for the measuring instrument.

Equipment used during the tests:

Shielding Room No. 3 - Conducted Emission Test					
No.	**Equipment**	**Manufacturer**	**Model**	**Serial No.**	**Due Date**
1	Receiver	R&S	ESCI	100435	04/24/2024
2	LISN	R&S	ENV216	100098	09/26/2023

3M Semi-anechoic Chamber (2)- Radiated emissions Test					
No.	**Equipment**	**Manufacturer**	**Model**	**Serial No.**	**Due Date**
1	3M Chamber & Accessory Equipment	TDK	SAC-3	---	05/21/2025
2	Receiver	R&S	ESCI7	100938-003	09/27/2023
3	TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-484	04/23/2024
4	Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024
5	Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/22/2023

5.3. LABORATORY ACCREDITATIONS AND LISTINGS

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

6. CONDUCTED EMISSION TEST

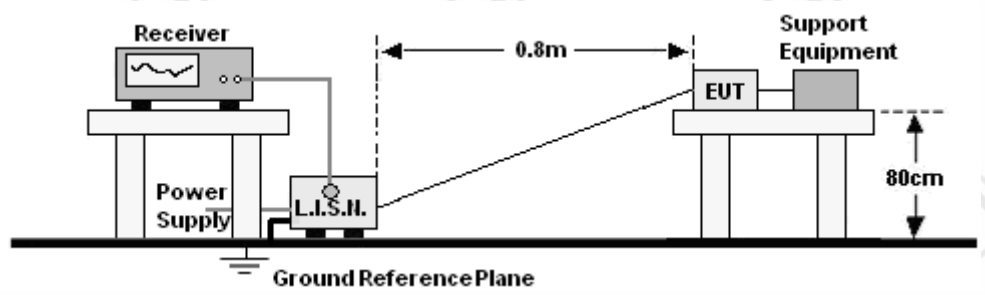
6.1. LIMITS

Limits for Class B digital devices

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

6.2. BLOCK DIAGRAM OF TEST SETUP



6.3. PROCEDURE OF CONDUCTED EMISSION TEST

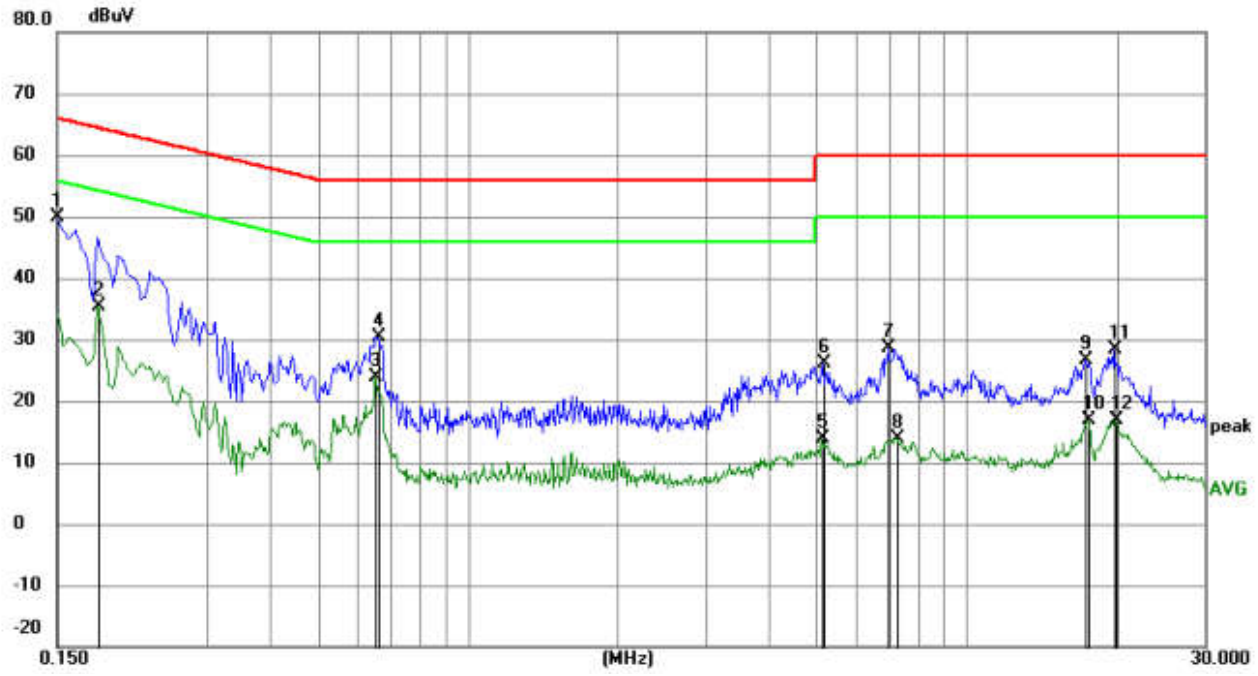
a. The Product was placed on a nonconductive table above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).

b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.

c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

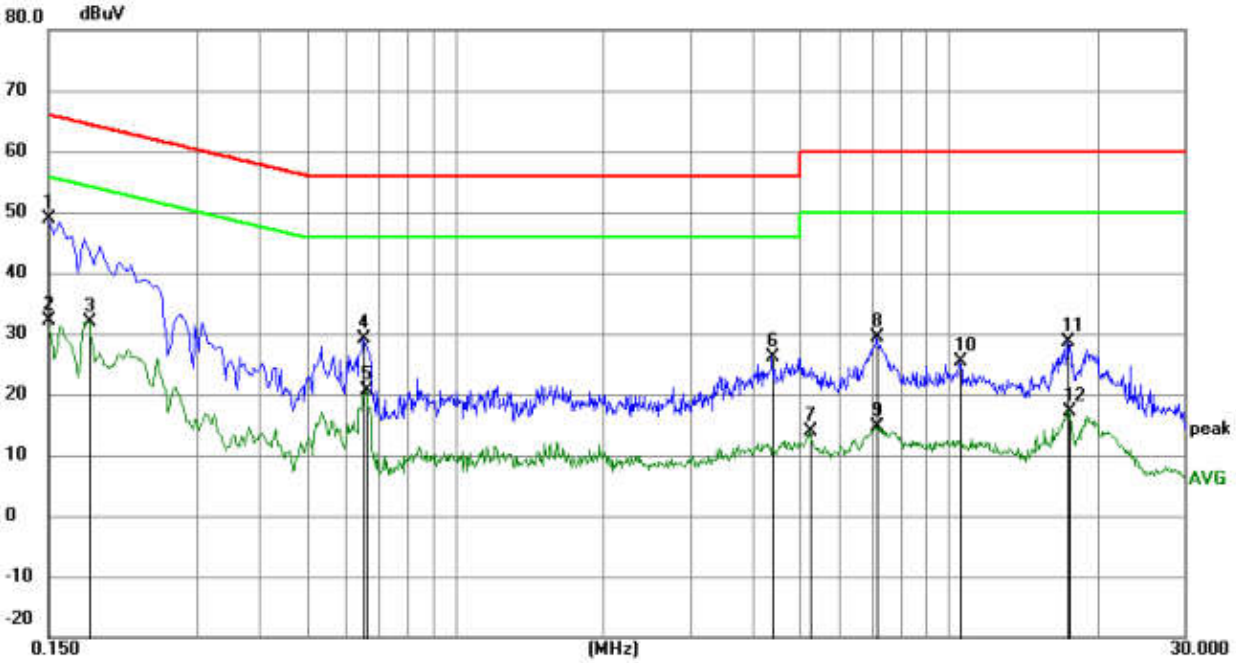
6.4. GRAPHS AND DATA

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	27℃
Mode	:	Normal	**Humidity**	:	56%
Phase	:	L	**Press**	:	101kPa



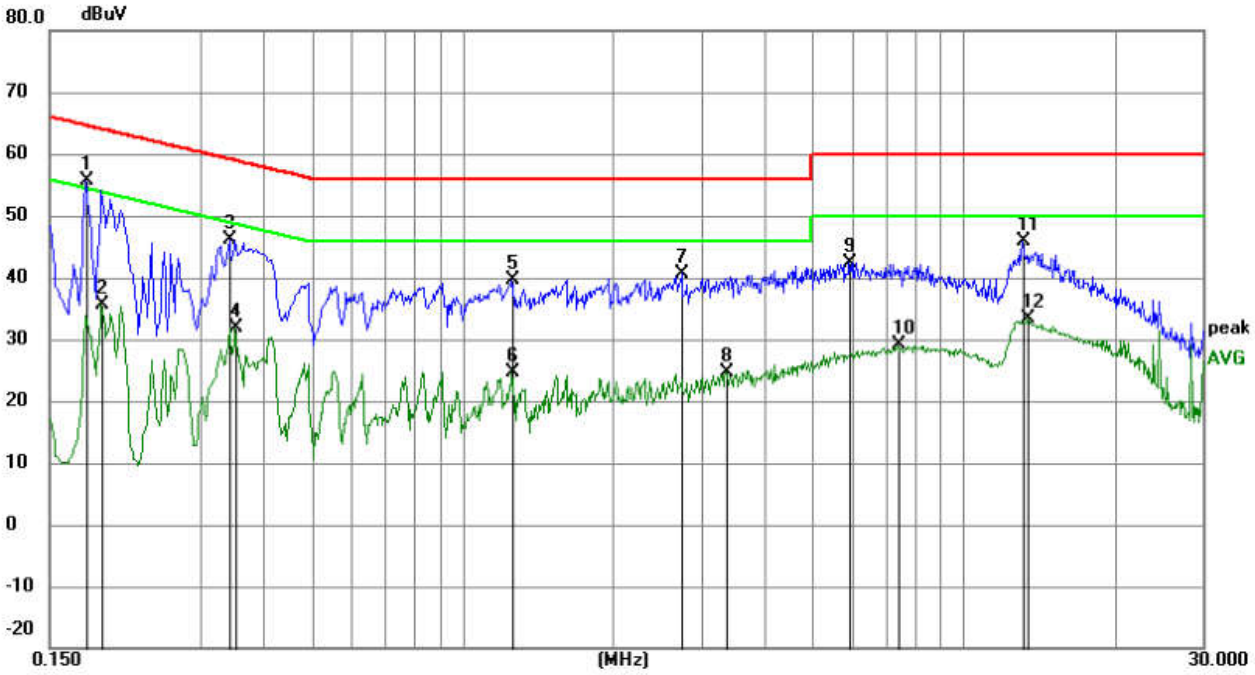
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	40.01	9.87	49.88	66.00	-16.12	QP	
2		0.1815	25.39	9.87	35.26	54.42	-19.16	AVG	
3		0.6540	13.85	9.97	23.82	46.00	-22.18	AVG	
4		0.6585	20.43	9.96	30.39	56.00	-25.61	QP	
5		5.1270	4.07	9.78	13.85	50.00	-36.15	AVG	
6		5.1405	16.40	9.78	26.18	60.00	-33.82	QP	
7		6.9810	18.82	9.79	28.61	60.00	-31.39	QP	
8		7.2150	4.10	9.79	13.89	50.00	-36.11	AVG	
9		17.2455	16.62	9.95	26.57	60.00	-33.43	QP	
10		17.4975	6.91	9.95	16.86	50.00	-33.14	AVG	
11		19.8285	18.34	9.97	28.31	60.00	-31.69	QP	
12		19.8645	6.81	9.97	16.78	50.00	-33.22	AVG	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	27℃
Mode	:	Normal	**Humidity**	:	56%
Phase	:	N	**Press**	:	101kPa



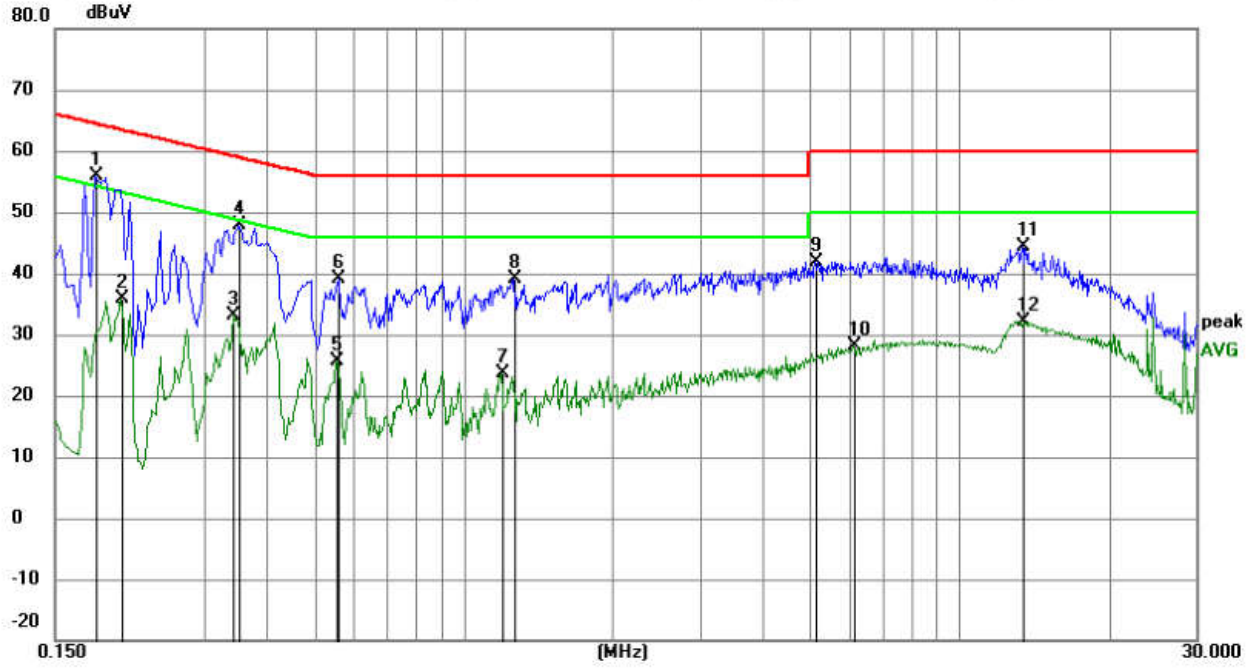
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	39.11	9.87	48.98	66.00	-17.02	QP	
2		0.1500	22.20	9.87	32.07	56.00	-23.93	AVG	
3		0.1815	21.95	9.87	31.82	54.42	-22.60	AVG	
4		0.6540	19.20	9.97	29.17	56.00	-26.83	QP	
5		0.6585	10.59	9.96	20.55	46.00	-25.45	AVG	
6		4.3890	16.26	9.78	26.04	56.00	-29.96	QP	
7		5.2395	4.09	9.78	13.87	50.00	-36.13	AVG	
8		7.1610	19.61	9.79	29.40	60.00	-30.60	QP	
9		7.1610	4.81	9.79	14.60	50.00	-35.40	AVG	
10		10.5540	15.50	9.80	25.30	60.00	-34.70	QP	
11		17.4300	18.65	9.95	28.60	60.00	-31.40	QP	
12		17.5380	7.24	9.95	17.19	50.00	-32.81	AVG	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	27℃
Mode	:	Normal	**Humidity**	:	56%
Phase	:	L	**Press**	:	101kPa
Note	:	POE			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1770	45.68	9.87	55.55	64.63	-9.08	QP	
2		0.1905	25.85	9.87	35.72	54.01	-18.29	AVG	
3		0.3435	36.11	10.03	46.14	59.12	-12.98	QP	
4		0.3525	21.80	10.02	31.82	48.90	-17.08	AVG	
5		1.2615	29.73	9.82	39.55	56.00	-16.45	QP	
6		1.2615	14.87	9.82	24.69	46.00	-21.31	AVG	
7		2.7375	30.76	9.79	40.55	56.00	-15.45	QP	
8		3.3630	14.88	9.79	24.67	46.00	-21.33	AVG	
9		5.9055	32.60	9.78	42.38	60.00	-17.62	QP	
10		7.3770	19.30	9.79	29.09	50.00	-20.91	AVG	
11		13.1055	35.99	9.87	45.86	60.00	-14.14	QP	
12		13.4160	23.46	9.88	33.34	50.00	-16.66	AVG	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	27℃
Mode	:	Normal	**Humidity**	:	56%
Phase	:	N	**Press**	:	101kPa
Note	:	POE			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1815	46.12	9.87	55.99	64.42	-8.43	QP	
2		0.2040	25.99	9.88	35.87	53.45	-17.58	AVG	
3		0.3435	23.22	10.03	33.25	49.12	-15.87	AVG	
4		0.3525	37.80	10.02	47.82	58.90	-11.08	QP	
5		0.5550	15.51	10.02	25.53	46.00	-20.47	AVG	
6		0.5595	29.16	10.02	39.18	56.00	-16.82	QP	
7		1.1940	13.74	9.82	23.56	46.00	-22.44	AVG	
8		1.2660	29.32	9.82	39.14	56.00	-16.86	QP	
9		5.1225	32.21	9.78	41.99	60.00	-18.01	QP	
10		6.1080	18.36	9.79	28.15	50.00	-21.85	AVG	
11		13.4070	34.51	9.88	44.39	60.00	-15.61	QP	
12		13.4610	22.32	9.88	32.20	50.00	-17.80	AVG	

Note:

1. Margin=Measurement-Limit.
2. Measurement=Reading_Level+Correct Factor.
3. Correct Factor=Cable Factor.+Lisn Factor.

7. RADIATED EMISSION TEST

7.1. LIMITS

For unintentional device , according to §15.109 (a) 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.

And according to §15.109 (2)measurements below 1000 MHz provided the limits in paragraphs (a) and (b) of this section are extrapolated to the new measurement distance using an inverse linear distance extrapolation factor (20 dB/decade).

According to FCC 15.31 section(1), at frequencies at or above 30 MHz measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

According to FCC 15.31 section(2), frequencies below 30 MHz, performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

According to 15.35 Measurement detector functions and bandwidths section (b). Unless otherwise specified, e.g., see §§15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519 of this part, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

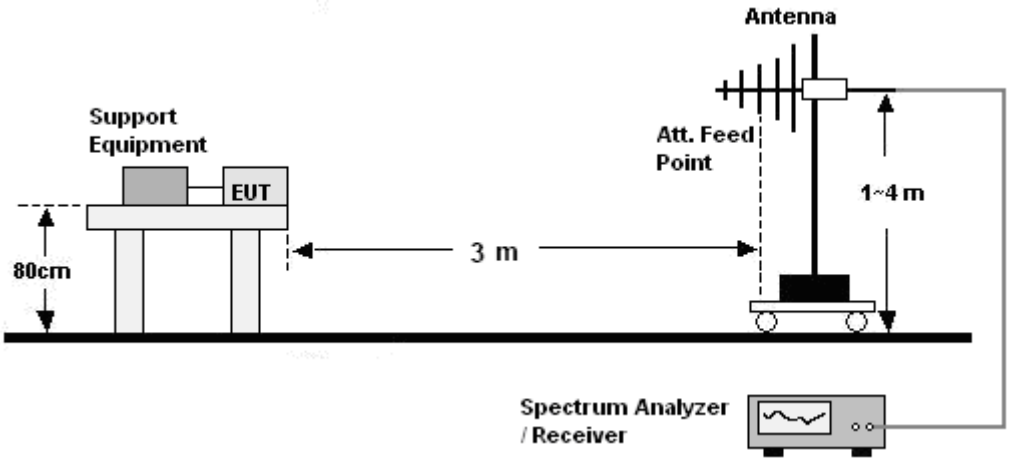
Limits for Class B digital devices

Frequency (MHz)	limits at 3m dB(μV/m)
30-88	40.0
88-216	43.5
216-960	46.0
Above 960	54.0

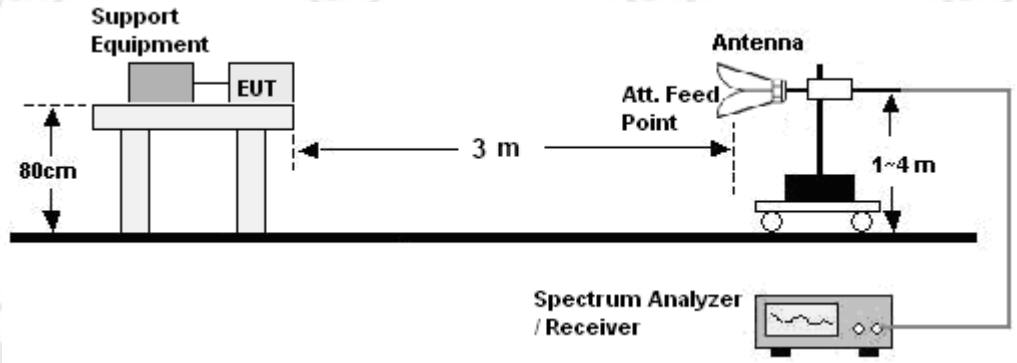
NOTE: 1. The lower limit shall apply at the transition frequency.
2. The limits shown above are based on measuring equipment employing a CISPR quasi-peak detector function for frequencies below or equal to 1000MHz.
3. The limits shown above are based on measuring equipment employing an average detector function for frequencies above 1000MHz.

7.2. BLOCK DIAGRAM OF TEST SETUP

30MHz ~ 1GHz:



Above 1GHz:



7.3. PROCEDURE OF RADIATED EMISSION TEST

30MHz ~ 1GHz:

a. The Product was placed on the non-conductive turntable 0.8m above the ground at a chamber.

b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

c. For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz:

a. The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.

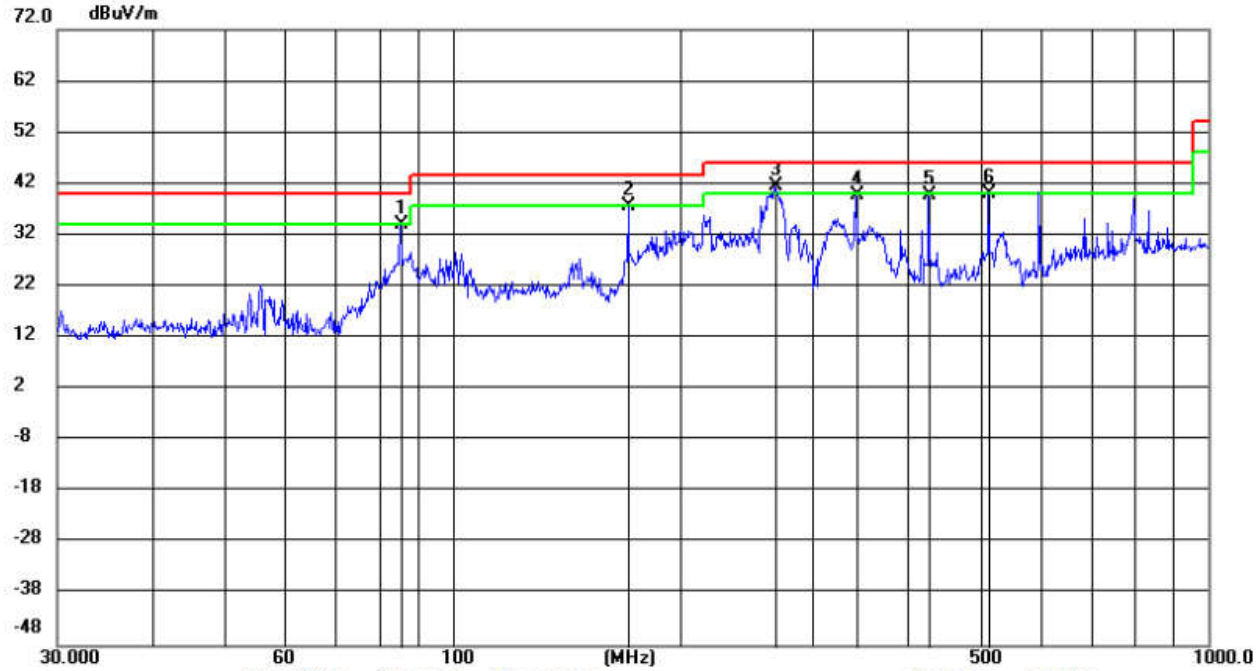
b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

c. For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

7.4. GRAPHS AND DATA

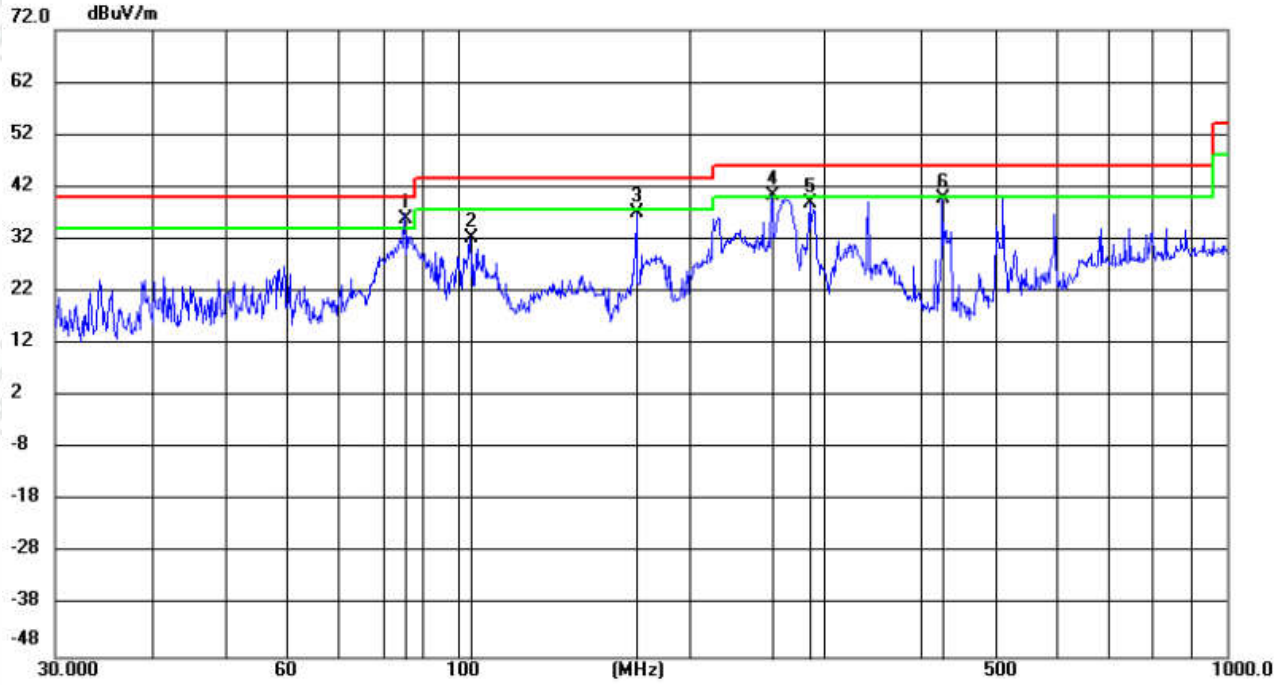
30MHz ~ 1GHz:

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Horizontal	**Press**	:	101kPa



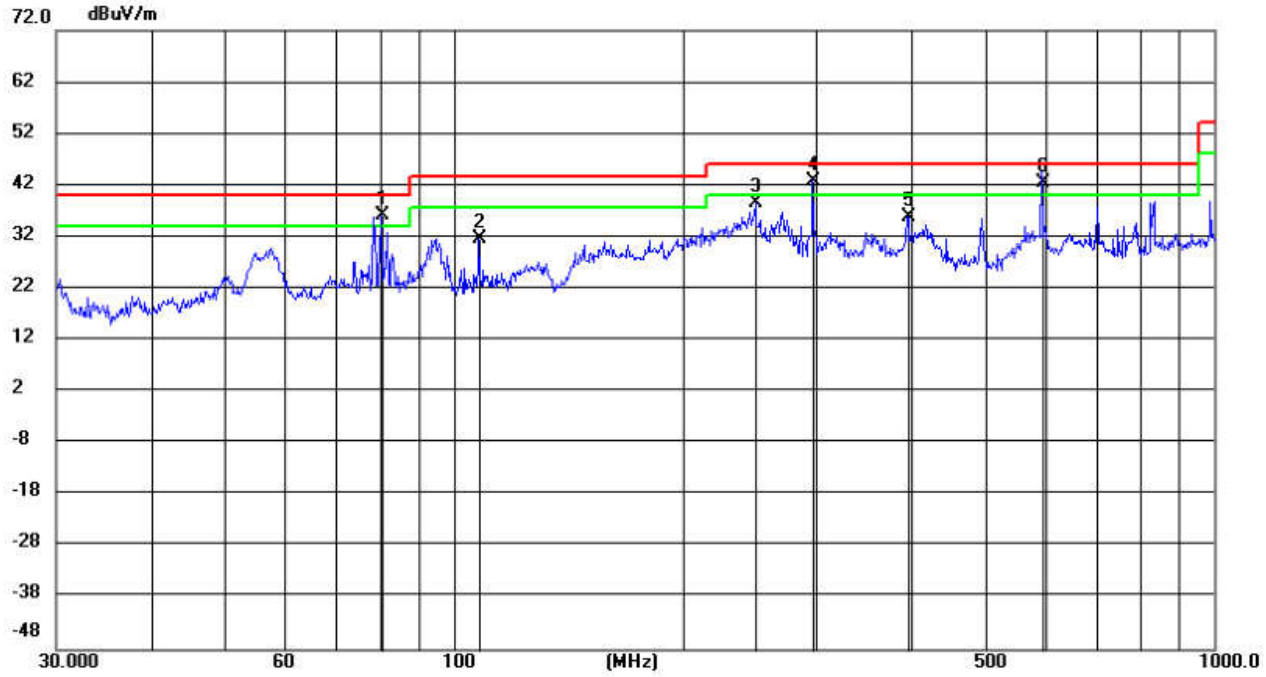
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	!	85.4925	22.79	11.37	34.16	40.00	-5.84	QP	100	62	
2	!	171.0021	26.39	11.26	37.65	43.50	-5.85	QP	100	78	
3	*	266.9830	25.36	16.11	41.47	46.00	-4.53	QP	200	3	
4		342.0387	21.50	18.15	39.65	46.00	-6.35	QP	100	115	
5		427.5692	19.83	19.98	39.81	46.00	-6.19	QP	100	105	
6	!	513.0031	18.16	21.86	40.02	46.00	-5.98	QP	100	123	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Vertical	**Press**	:	101kPa



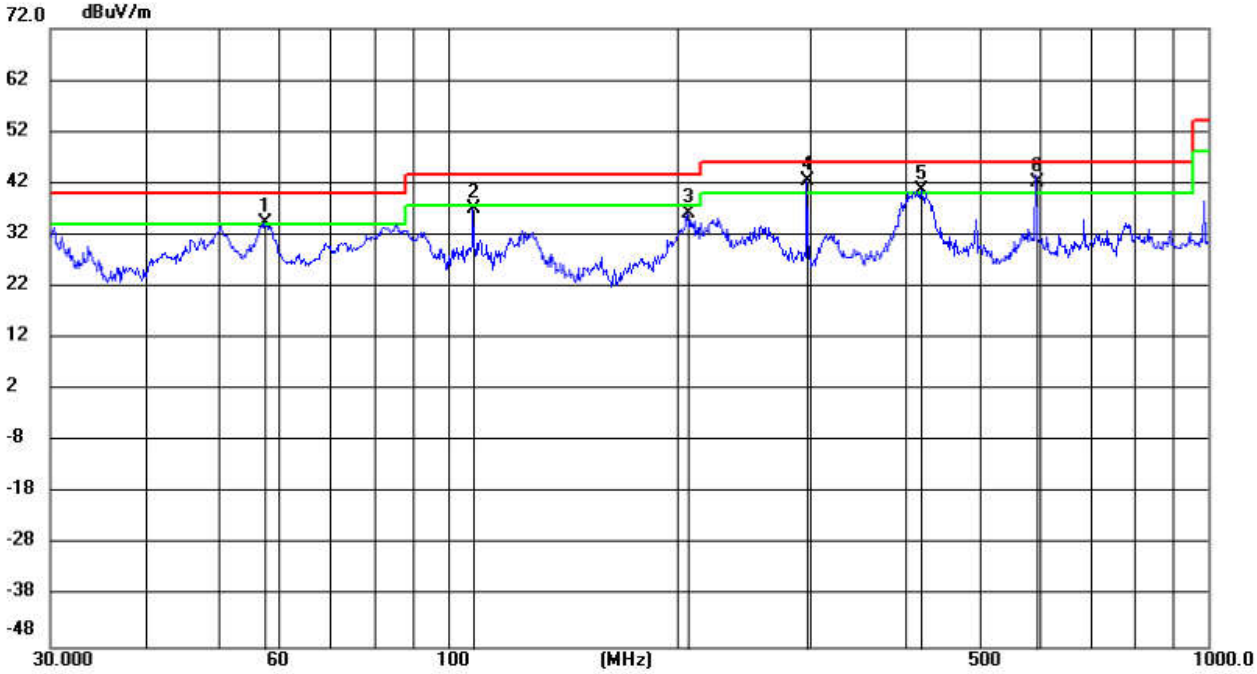
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	85.4925	24.63	11.37	36.00	40.00	-4.00	QP	100	74	
2		103.9146	18.86	13.49	32.35	43.50	-11.15	QP	100	97	
3		171.0322	25.76	11.26	37.02	43.50	-6.48	QP	200	6	
4	!	256.5210	24.60	15.74	40.34	46.00	-5.66	QP	100	64	
5		287.1836	22.09	16.80	38.89	46.00	-7.11	QP	100	45	
6		427.4943	19.64	19.98	39.62	46.00	-6.38	QP	200	105	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Horizontal	**Press**	:	101kPa
Note	:	POE			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	!	80.3759	26.21	9.91	36.12	40.00	-3.88	QP	199	126	
2		107.9822	18.87	12.91	31.78	43.50	-11.72	QP	199	244	
3		249.9941	23.15	15.51	38.66	46.00	-7.34	QP	100	154	
4	*	297.0156	25.70	17.15	42.85	46.00	-3.15	QP	100	122	
5		396.3109	16.57	19.31	35.88	46.00	-10.12	QP	199	352	
6	!	594.0902	18.46	23.89	42.35	46.00	-3.65	QP	199	137	

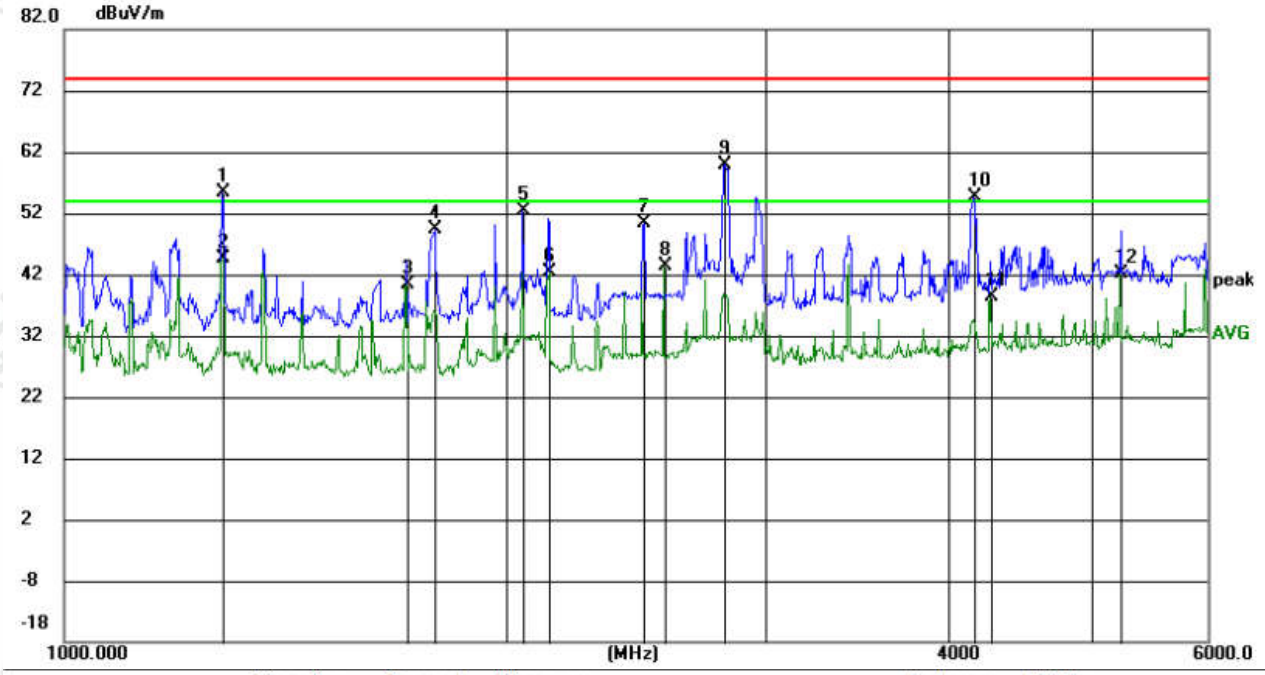
Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Vertical	**Press**	:	101kPa
Note	:	POE			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	!	57.5132	20.53	13.74	34.27	40.00	-5.73	QP	100	309	
2		107.9823	24.00	12.91	36.91	43.50	-6.59	QP	100	43	
3		206.5423	22.13	14.00	36.13	43.50	-7.37	QP	200	252	
4	*	297.0156	25.42	17.15	42.57	46.00	-3.43	QP	100	224	
5	!	420.3591	20.75	19.83	40.58	46.00	-5.42	QP	100	288	
6	!	594.0903	18.25	23.89	42.14	46.00	-3.86	QP	100	331	

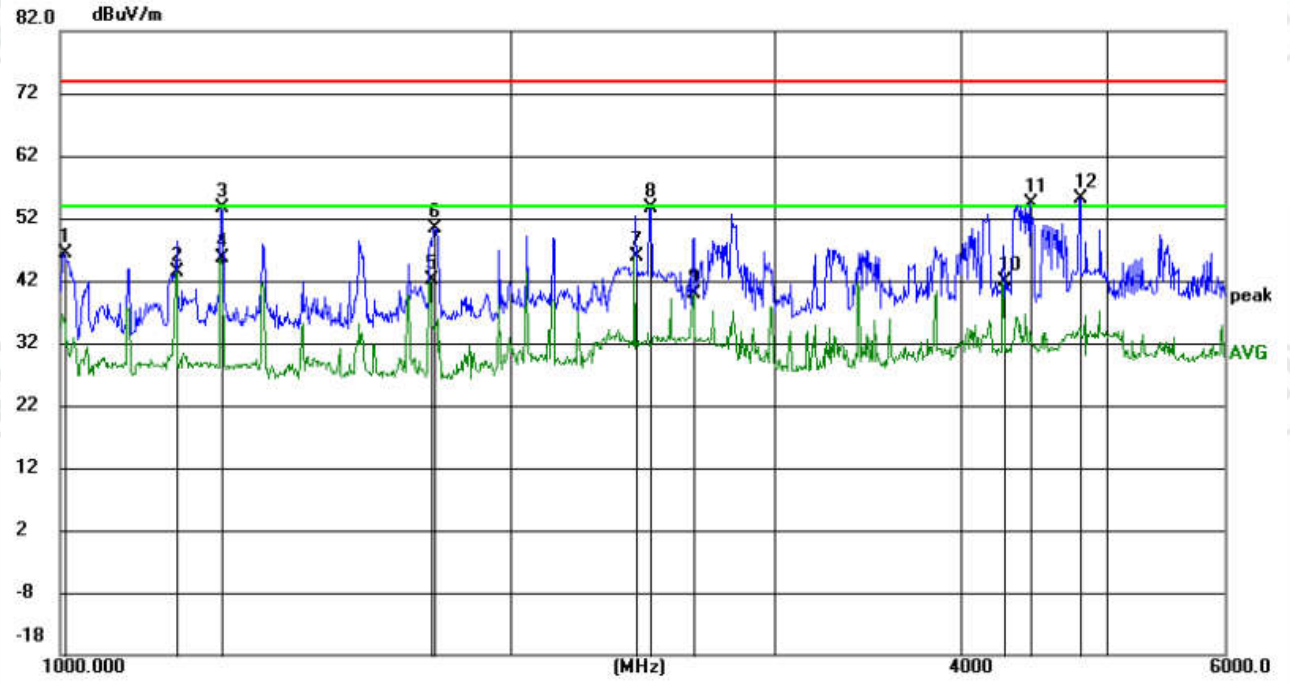
Above 1GHz:

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Horizontal	**Press**	:	101kPa



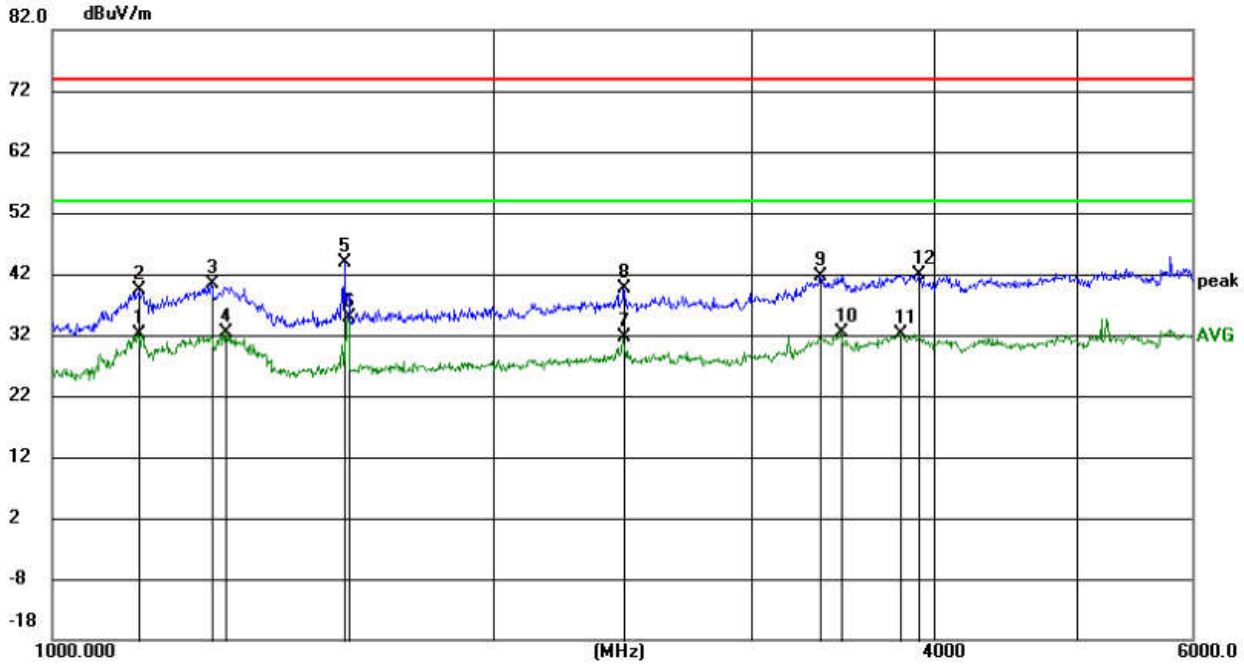
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1282.582	68.95	-13.66	55.29	74.00	-18.71	peak	100	137	
2	*	1282.812	58.30	-13.66	44.64	54.00	-9.36	AVG	100	137	
3		1710.084	52.53	-12.06	40.47	54.00	-13.53	AVG	100	336	
4		1789.068	61.25	-11.87	49.38	74.00	-24.62	peak	100	39	
5		2051.896	63.26	-10.88	52.38	74.00	-21.62	peak	100	55	
6		2137.648	53.09	-10.63	42.46	54.00	-11.54	AVG	100	72	
7		2480.405	59.87	-9.49	50.38	74.00	-23.62	peak	100	121	
8		2564.922	52.65	-9.23	43.42	54.00	-10.58	AVG	100	352	
9		2814.377	68.44	-8.50	59.94	74.00	-14.06	peak	100	0	
10		4158.918	58.81	-4.30	54.51	74.00	-19.49	peak	100	303	
11		4275.274	41.71	-3.26	38.45	54.00	-15.55	AVG	100	22	
12		5236.146	43.64	-1.53	42.11	54.00	-11.89	AVG	100	6	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Vertical	**Press**	:	101kPa



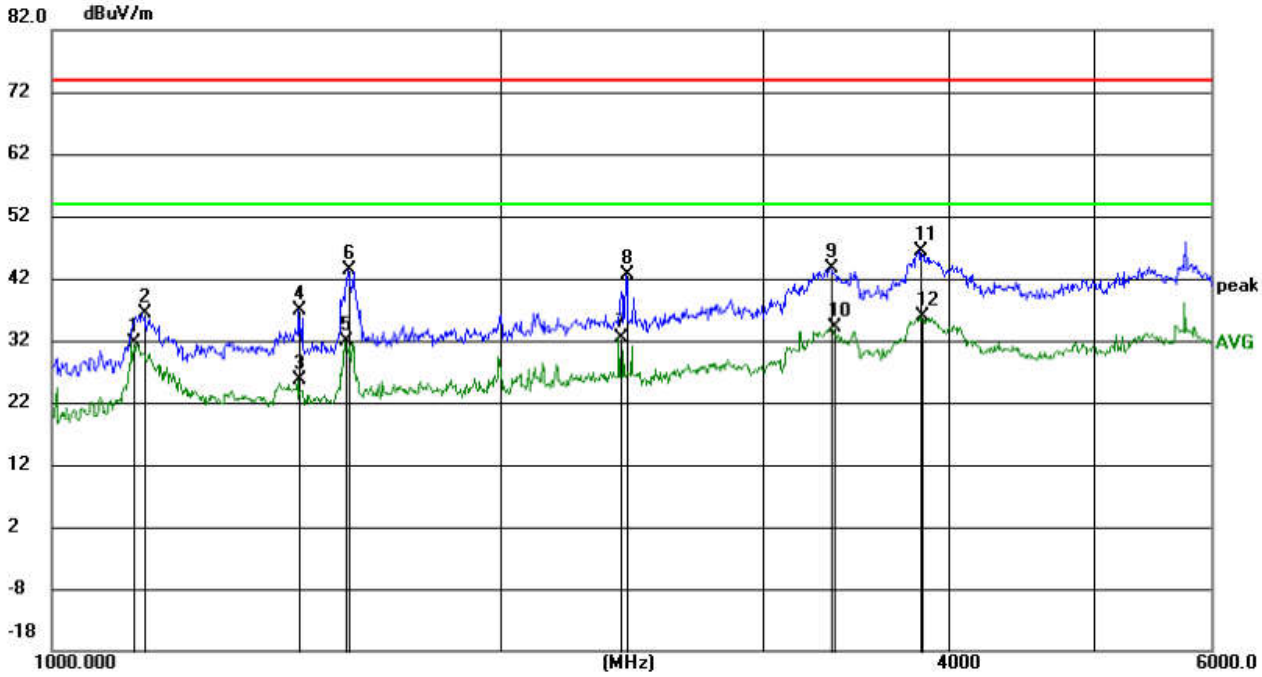
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1006.922	61.22	-14.80	46.42	74.00	-27.58	peak	100	337	
2		1196.982	57.23	-13.87	43.36	54.00	-10.64	AVG	100	73	
3		1282.582	67.33	-13.66	53.67	74.00	-20.33	peak	100	89	
4		1282.582	59.39	-13.66	45.73	54.00	-8.27	AVG	100	89	
5		1769.462	54.00	-11.93	42.07	54.00	-11.93	AVG	100	172	
6		1779.317	62.34	-11.91	50.43	74.00	-23.57	peak	100	40	
7	*	2426.121	55.45	-9.55	45.90	54.00	-8.10	AVG	100	353	
8		2479.961	63.10	-9.49	53.61	74.00	-20.39	peak	100	7	
9		2650.655	48.98	-9.02	39.96	54.00	-14.04	AVG	100	7	
10		4274.891	45.13	-3.28	41.85	54.00	-12.15	AVG	100	205	
11		4450.354	57.49	-3.13	54.36	74.00	-19.64	peak	100	7	
12		4804.636	57.40	-2.22	55.18	74.00	-18.82	peak	100	172	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Horizontal	**Press**	:	101kPa
Note	:	POE			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1145.676	46.30	-14.10	32.20	54.00	-21.80	AVG	199	234	
2		1146.600	53.59	-14.09	39.50	74.00	-34.50	peak	199	234	
3		1283.502	53.97	-13.66	40.31	74.00	-33.69	peak	199	149	
4		1314.338	45.92	-13.52	32.40	54.00	-21.60	AVG	199	47	
5		1582.710	56.60	-12.63	43.97	74.00	-30.03	peak	199	115	
6	*	1593.237	47.38	-12.60	34.78	54.00	-19.22	AVG	199	132	
7		2457.843	41.16	-9.42	31.74	54.00	-22.26	AVG	100	75	
8		2458.063	48.99	-9.42	39.57	74.00	-34.43	peak	100	75	
9		3345.300	47.65	-6.06	41.59	74.00	-32.41	peak	100	212	
10		3455.259	37.99	-5.71	32.28	54.00	-21.72	AVG	199	318	
11		3791.307	36.85	-4.66	32.19	54.00	-21.81	AVG	100	58	
12		3907.166	46.47	-4.56	41.91	74.00	-32.09	peak	199	115	

Product	:	reTerminal DM			
Model/Type reference	:	reTerminal DM-R100			
Power	:	AC120V/60Hz	**Temperature**	:	23℃
Mode	:	Normal	**Humidity**	:	52%
Polarization	:	Vertical	**Press**	:	101kPa
Note	:	POE			



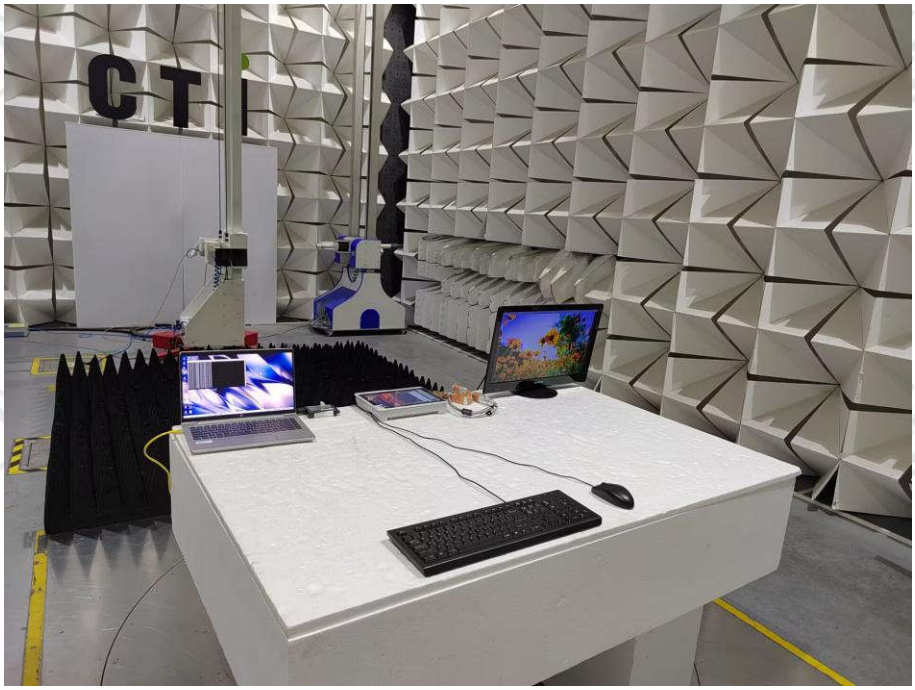
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1135.254	45.70	-14.16	31.54	54.00	-22.46	AVG	100	335	
2		1152.883	50.50	-14.05	36.45	74.00	-37.55	peak	100	133	
3		1464.692	38.66	-13.02	25.64	54.00	-28.36	AVG	100	352	
4		1467.318	50.00	-13.00	37.00	74.00	-37.00	peak	100	352	
5		1573.520	44.43	-12.66	31.77	54.00	-22.23	AVG	100	65	
6		1583.703	55.98	-12.63	43.35	74.00	-30.65	peak	100	133	
7		2409.875	42.06	-9.66	32.40	54.00	-21.60	AVG	100	14	
8		2430.908	52.04	-9.52	42.52	74.00	-31.48	peak	200	312	
9		3334.827	49.69	-6.16	43.53	74.00	-30.47	peak	100	14	
10		3346.499	40.20	-6.05	34.15	54.00	-19.85	AVG	100	133	
11		3827.139	50.78	-4.50	46.28	74.00	-27.72	peak	100	0	
12	*	3833.659	40.44	-4.47	35.97	54.00	-18.03	AVG	200	160	

Note:
1. Margin=Measurement-Limit.
2. Measurement=Reading_Level+Correct Factor.
3. Correct Factor=Ant Factor+Cable loss.

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

CONDUCTED EMISSION TEST SETUP

RADIATED DISTURBANCE TEST SETUP-1



RADIATED DISTURBANCE TEST SETUP-2

APPENDIX 2 PHOTOGRAPHS OF PRODUCT

View of Product-1

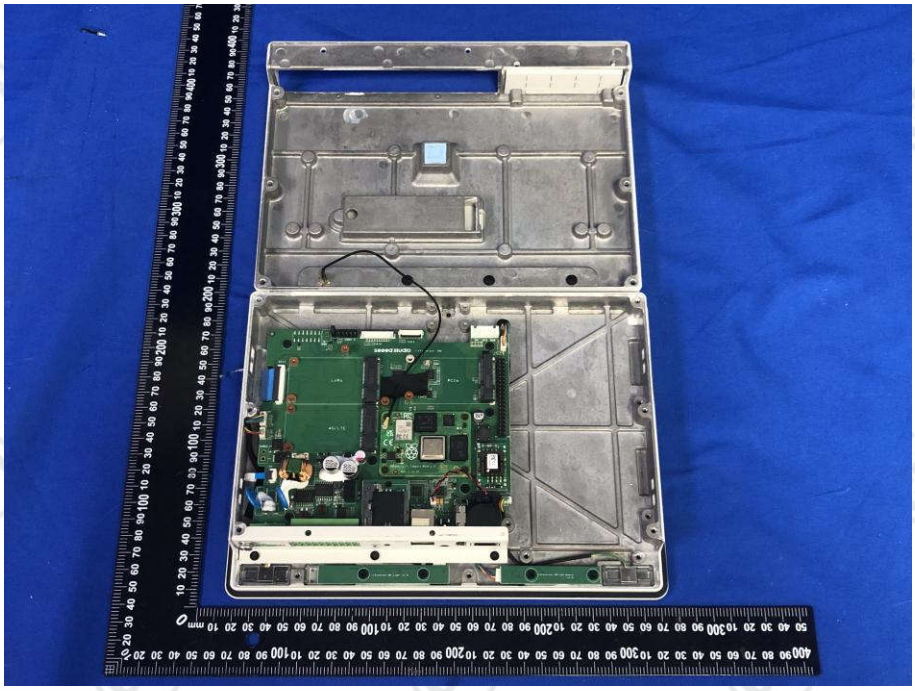
View of Product-2

View of Product-3

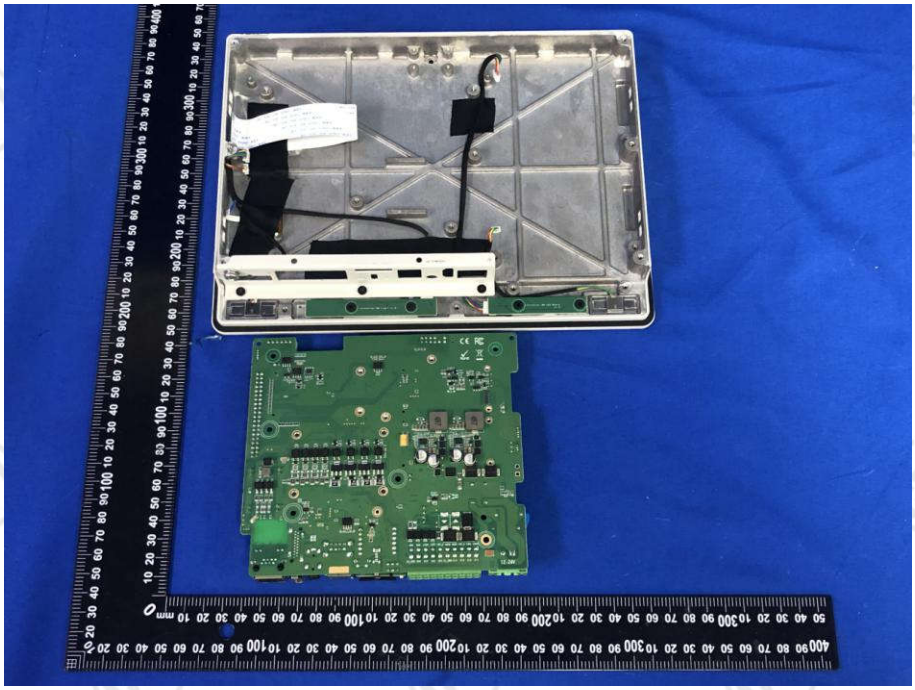
View of Product-4

View of Product-5

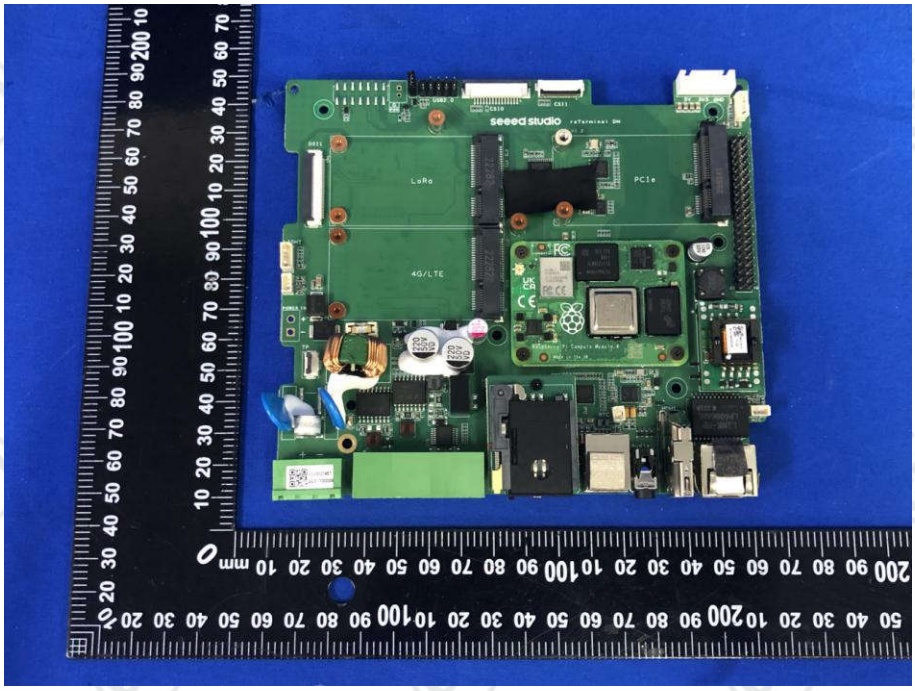
View of Product-6



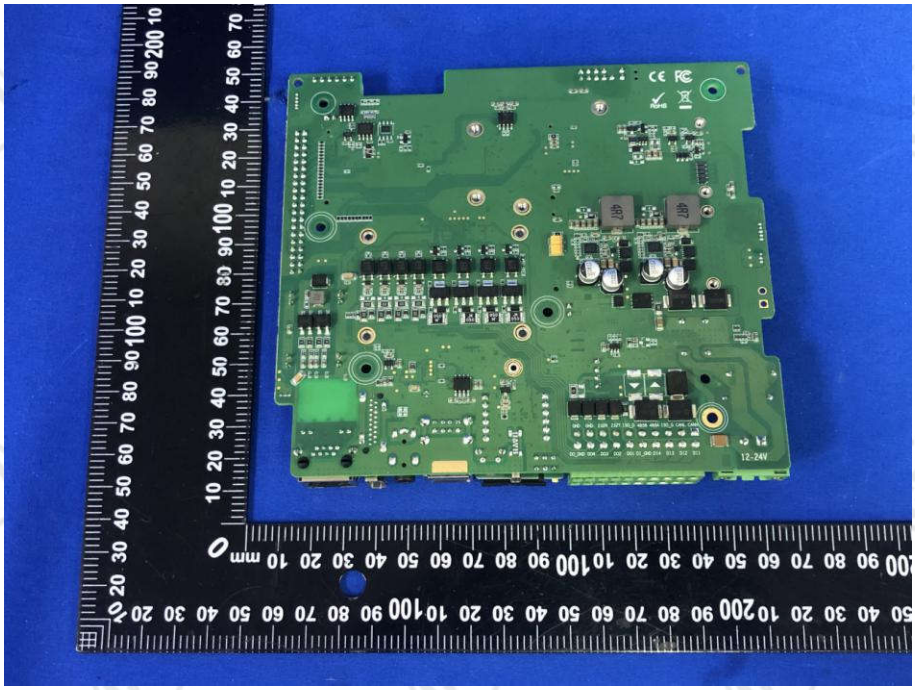
View of Product-7



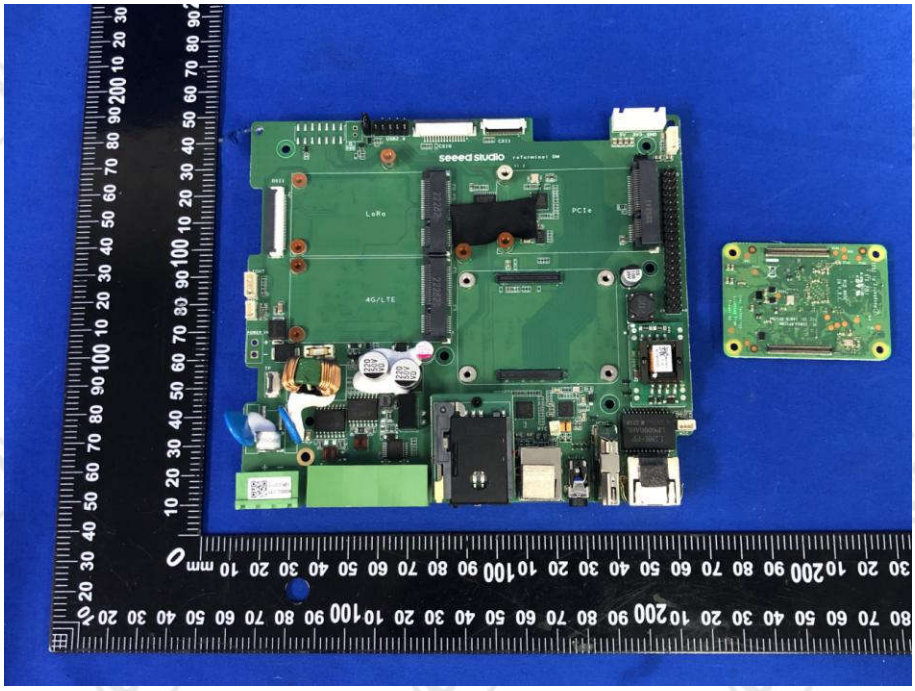
View of Product-8



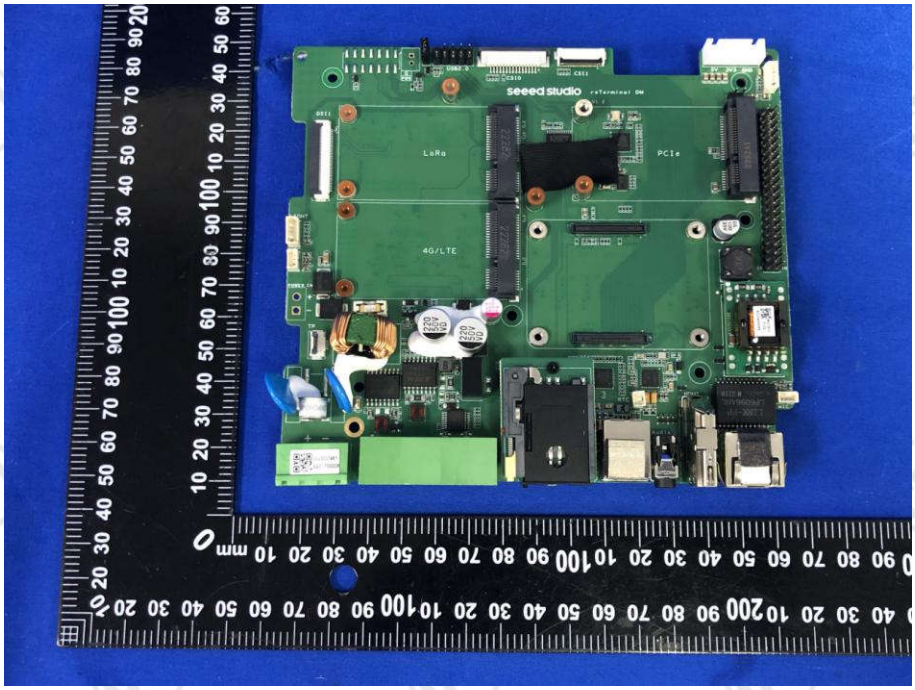
View of Product-9



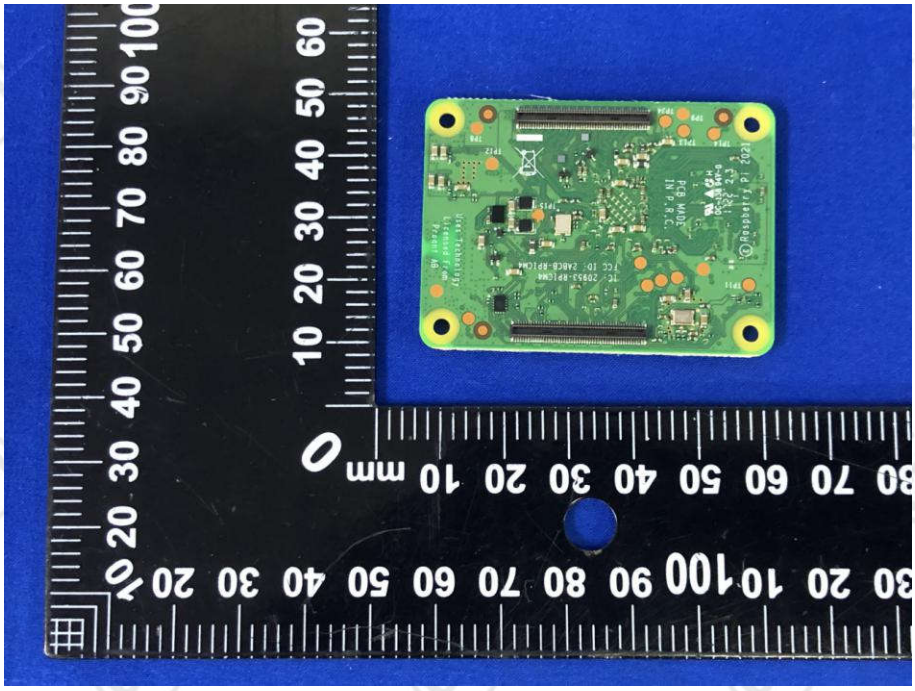
View of Product-10



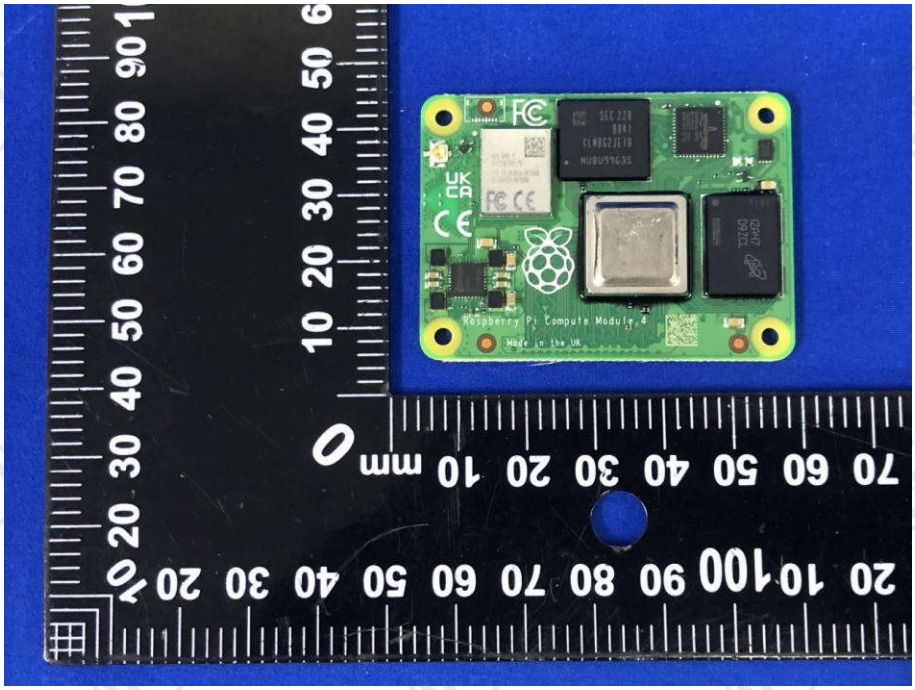
View of Product-11



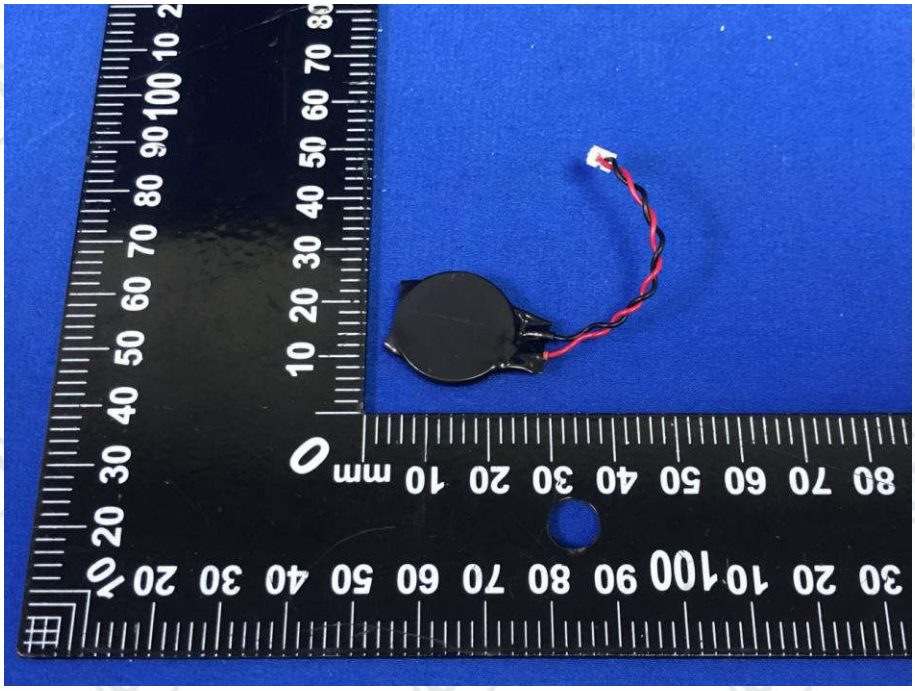
View of Product-12



View of Product-13



View of Product-14



View of Product-15

View of Product-16

View of Product-17

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***