

TEST REPORT

Application No.: SZCR2503000881WM
Applicant: NOTHING TECHNOLOGY LIMITED
Address of Applicant: Bedford House, 21A John Street, London, United Kingdom WC1N 2BF
Manufacturer: NOTHING TECHNOLOGY LIMITED
Address of Manufacturer: Bedford House, 21A John Street, London, United Kingdom WC1N 2BF
Equipment Under Test (EUT):
EUT Name: Smart Phone
Model No.: A024
Trade Mark: NOTHING
FCC ID: 2AZEQ-A024
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2025-03-10
Date of Test: 2025-03-21 to 2025-03-25
Date of Issue: 2025-05-06

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Keny Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (EMC Laboratory)

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-05-06		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	15.107(a);Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4:2014	15.109(a);Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4:2014	15.109(g);Class B	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.86V by li-ion battery(5150mAh) Battery M/N:NT05A Battery Manufacturer: Shenzhen Sunwoda Intelligence Technology Co.,Ltd. Recharged by AC/DC power adapter Adapter M/N:C286 Adapter Manufacturer: NOTHING Adapter Input:AC100-240V, 50/60Hz, 1.7A Adapter Output: USB C1/C2: DC5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A(65W max) USB A:DC5V/3A, 9V/3A, 12V/3A C1+C2:45W+20W C1+A:45W+18W C2+A:share 15W C1+C2+A:45W+15W
Cable(s):	USB Type C to C cable: 1m shielded cable without ferrite core
Internal Source:	>108MHz

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Test modes

Pretest these modes to find the worst case and show the worse data in the test items:	19 Normal Operation: Charge+Front Camera+BT+WIFI+NFC+GNSS+WWAN(WCDMA B5) idle 20 Normal Operation: Charge+Rear Camera+BT+WIFI+NFC+GNSS+WWAN(LTE B17) idle 21 Normal Operation: Charge+Play MP4+BT+WIFI+NFC+GNSS+WWAN(NR n71) idle 22 Normal Operation: EUT charged by WPC charger+BT+WIFI+NFC+GNSS idle 23 Normal Operation: EUT charge other device via WPC+BT+WIFI+NFC+GNSS idle 24 Normal Operation: Data exchange between PC and EUT 25 Normal Operation: EUT USB Type C charge other device 26 Normal Operation: EUT OTG mode(read data from USB disk)
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4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	L480	REF. No.SEA18C01F
Mouse	Lenovo	M-U0025-O	REF. No.:SEA24A01
Router	NETGEAR	DGN2200	REF. No.SEA22A00
iPhone 15Pro	Apple	A3104	REF. No.SEA16Q02

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	$\pm 3.1\text{dB}$
Radiated Emissions (30MHz-1GHz)	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions (Above 1GHz)	$\pm 4.6\text{dB}$

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4.5 Test Location

All tests were performed at:

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No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05

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General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Limit:

0.15M-0.5MHz 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average

0.5M-5MHz 56dB(μV) quasi-peak, 46dB(μV) average

5M-30MHz 60dB(μV) quasi-peak, 50dB(μV) average

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 44.5 % RH

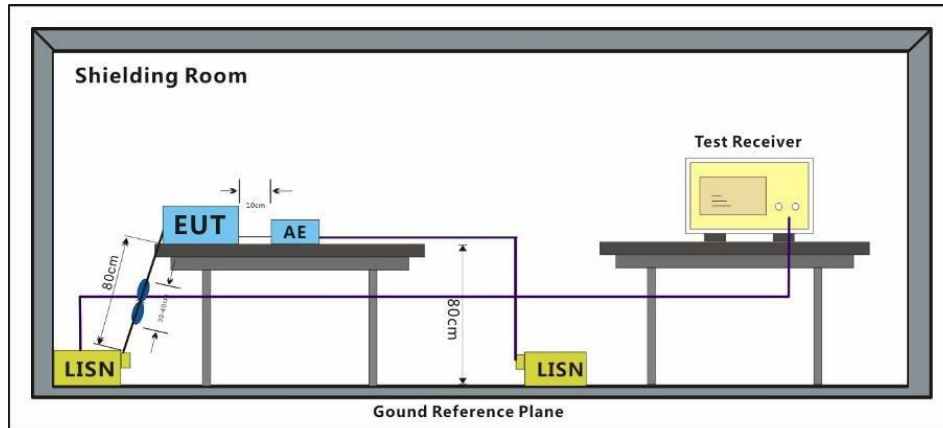
Atmospheric Pressure: 1020 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	19	Normal Operation: Charge+Front Camera+BT+WIFI+NFC+GNSS+WWAN(WCDMA B5) idle
Pre-scan	20	Normal Operation: Charge+Rear Camera+BT+WIFI+NFC+GNSS+WWAN(LTE B17) idle
Pre-scan	21	Normal Operation: Charge+Play MP4+BT+WIFI+NFC+GNSS+WWAN(NR n71) idle
Pre-scan	22	Normal Operation: EUT charged by WPC charger+BT+WIFI+NFC+GNSS idle
Final test	24	Normal Operation: Data exchange between PC and EUT



6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

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



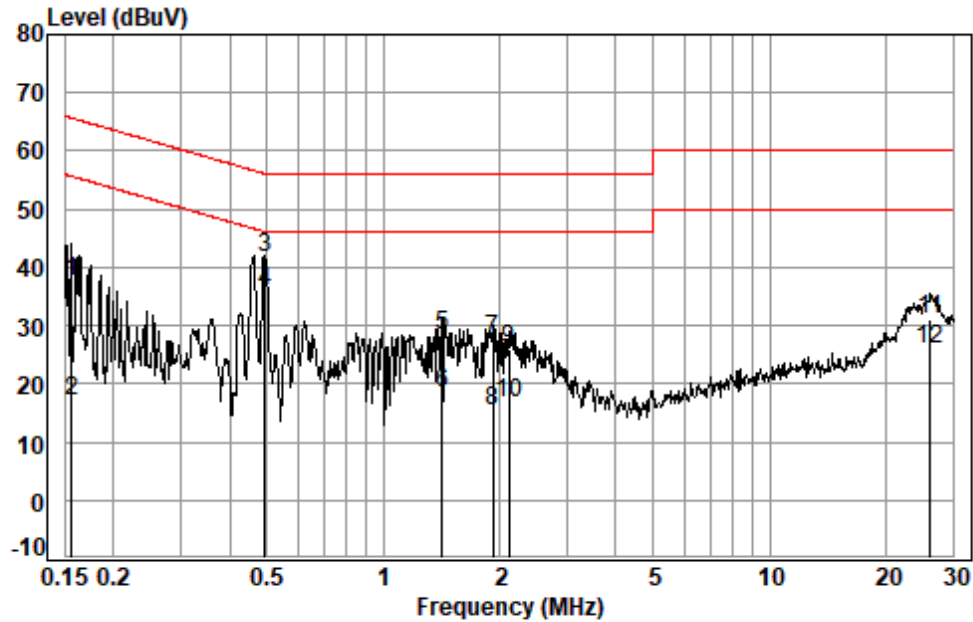
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Test Mode: 19; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00881WM
Test mode: 19

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1557	0.06	10.19	27.47	37.72	65.69	-27.97	QP
2	0.1557	0.06	10.19	6.69	16.94	55.69	-38.75	Average
3 *	0.4941	0.08	9.55	31.90	41.53	56.10	-14.57	QP
4 *	0.4941	0.08	9.55	26.23	35.86	46.10	-10.24	Average
5	1.4182	0.10	9.58	18.76	28.44	56.00	-27.56	QP
6	1.4182	0.10	9.58	8.71	18.39	46.00	-27.61	Average
7	1.9182	0.10	9.58	17.85	27.53	56.00	-28.47	QP
8	1.9182	0.10	9.58	5.49	15.17	46.00	-30.83	Average
9	2.1101	0.10	9.59	16.18	25.87	56.00	-30.13	QP
10	2.1101	0.10	9.59	7.12	16.81	46.00	-29.19	Average
11	26.0012	0.35	10.34	20.33	31.02	60.00	-28.98	QP
12	26.0012	0.35	10.34	15.12	25.81	50.00	-24.19	Average



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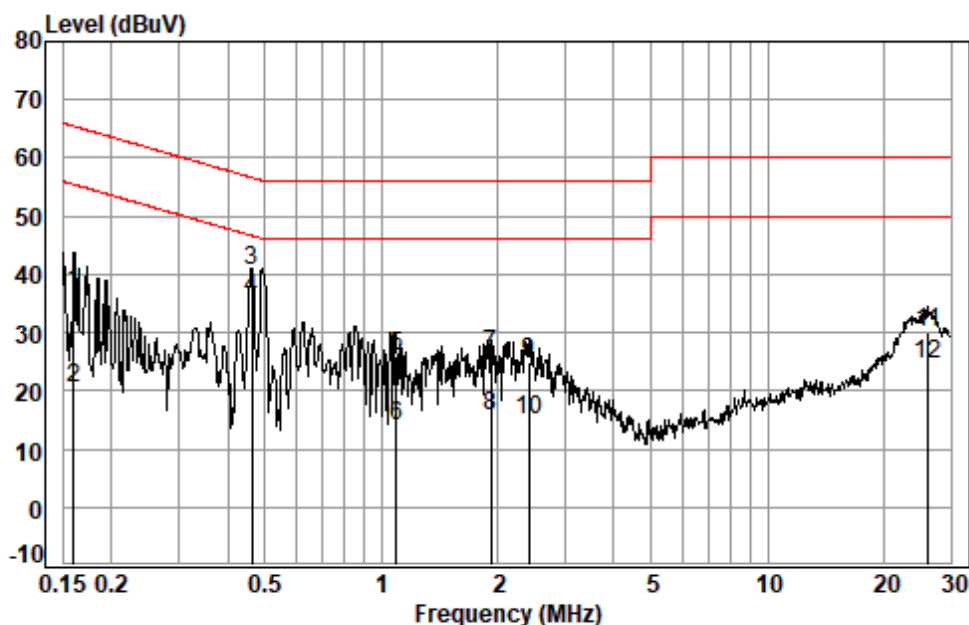
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Test Mode: 19; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 00881WM

Test mode: 19

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1598	0.06	10.13	26.54	36.73	65.47	-28.74	QP
2	0.1598	0.06	10.13	10.26	20.45	55.47	-35.02	Average
3 *	0.4612	0.08	9.72	30.96	40.76	56.67	-15.91	QP
4 *	0.4612	0.08	9.72	25.95	35.75	46.67	-10.92	Average
5	1.0939	0.09	9.54	16.29	25.92	56.00	-30.08	QP
6	1.0939	0.09	9.54	4.35	13.98	46.00	-32.02	Average
7	1.9182	0.10	9.55	16.49	26.14	56.00	-29.86	QP
8	1.9182	0.10	9.55	6.07	15.72	46.00	-30.28	Average
9	2.4090	0.11	9.55	15.41	25.07	56.00	-30.93	QP
10	2.4090	0.11	9.55	5.40	15.06	46.00	-30.94	Average
11	26.0012	0.35	10.49	19.15	29.99	60.00	-30.01	QP
12	26.0012	0.35	10.49	13.80	24.64	50.00	-25.36	Average



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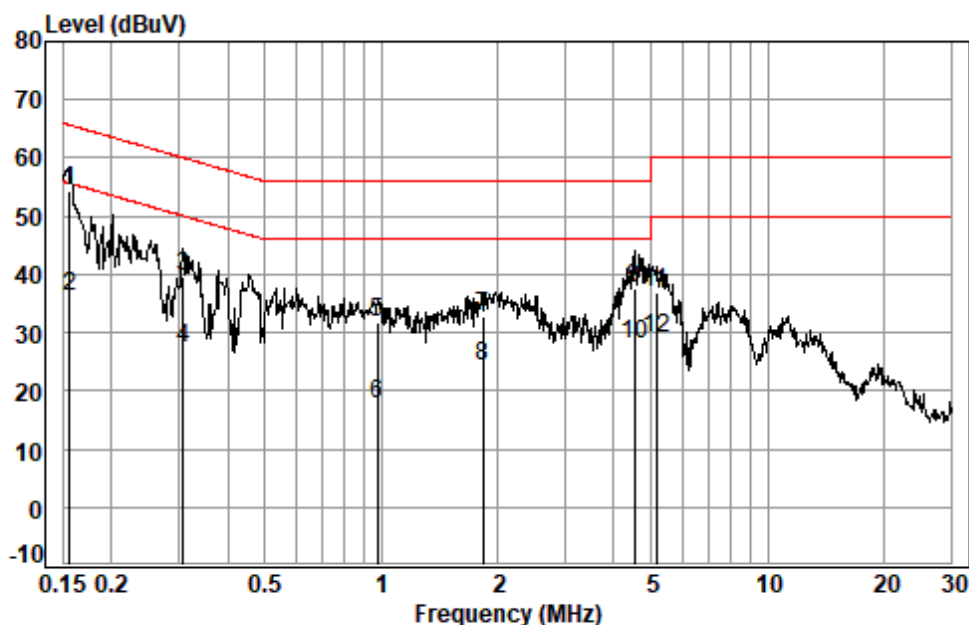
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Test Mode: 24; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 00881WM

Test mode: 24

		Cable	LISN	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.1557	0.06	10.19	44.09	54.34	65.69	-11.35 QP
2	0.1557	0.06	10.19	25.97	36.22	55.69	-19.47 Average
3	0.3067	0.07	9.84	29.61	39.52	60.06	-20.54 QP
4	0.3067	0.07	9.84	17.37	27.28	50.06	-22.78 Average
5	0.9787	0.09	9.58	22.05	31.72	56.00	-24.28 QP
6	0.9787	0.09	9.58	8.13	17.80	46.00	-28.20 Average
7	1.8288	0.10	9.58	23.03	32.71	56.00	-23.29 QP
8	1.8288	0.10	9.58	14.41	24.09	46.00	-21.91 Average
9	4.5254	0.12	9.66	27.91	37.69	56.00	-18.31 QP
10 *	4.5254	0.12	9.66	18.22	28.00	46.00	-18.00 Average
11	5.1663	0.12	9.66	27.00	36.78	60.00	-23.22 QP
12	5.1663	0.12	9.66	19.18	28.96	50.00	-21.04 Average



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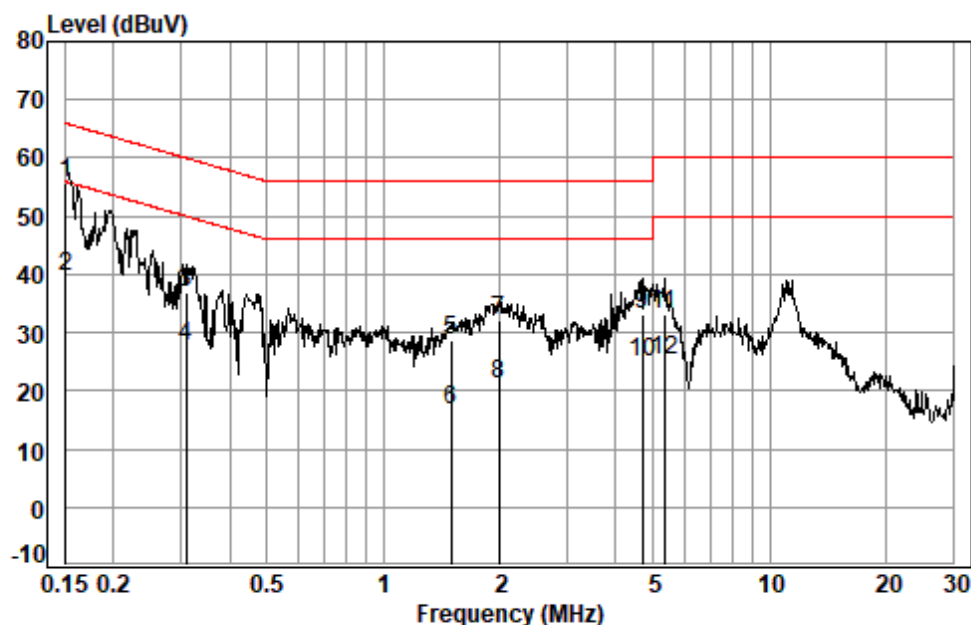
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Test Mode: 24; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 00881WM

Test mode: 24

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1508	0.06	10.15	45.55	55.76	65.96	-10.20	QP
2 *	0.1508	0.06	10.15	29.36	39.57	55.96	-16.39	Average
3	0.3083	0.07	9.77	27.20	37.04	60.02	-22.98	QP
4	0.3083	0.07	9.77	17.74	27.58	50.02	-22.44	Average
5	1.4953	0.10	9.55	18.86	28.51	56.00	-27.49	QP
6	1.4953	0.10	9.55	7.11	16.76	46.00	-29.24	Average
7	1.9906	0.10	9.55	22.33	31.98	56.00	-24.02	QP
8	1.9906	0.10	9.55	11.53	21.18	46.00	-24.82	Average
9	4.6964	0.12	9.56	23.41	33.09	56.00	-22.91	QP
10	4.6964	0.12	9.56	15.34	25.02	46.00	-20.98	Average
11	5.3332	0.13	9.58	23.50	33.21	60.00	-26.79	QP
12	5.3332	0.13	9.58	15.54	25.25	50.00	-24.75	Average



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6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Measurement Distance: 3m

Limit:

FREQUENCY (MHz)	dBμV/m (At 10m)	dBμV/m (At 3m)
	Class B	Class B
30MHz -88MHz	29.5	40.0
88MHz-216MHz	33.1	43.5
216MHz-960MHz	35.6	46.0
960MHz-1000MHz	43.5	54.0
Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz		

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

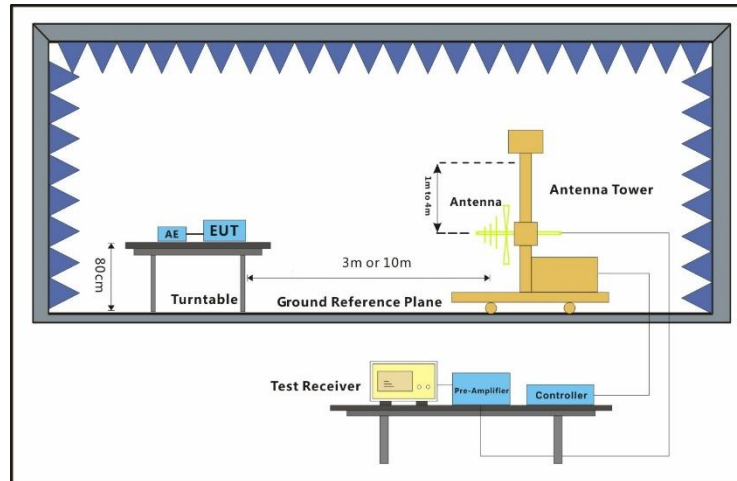
Humidity: 46.8 % RH

Atmospheric Pressure: 1020 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	19	Normal Operation: Charge+Front Camera+BT+WIFI+NFC+GNSS+WWAN(WCDMA B5) idle
Pre-scan	20	Normal Operation: Charge+Rear Camera+BT+WIFI+NFC+GNSS+WWAN(LTE B17) idle
Pre-scan	21	Normal Operation: Charge+Play MP4+BT+WIFI+NFC+GNSS+WWAN(NR n71) idle
Final test	22	Normal Operation: EUT charged by WPC charger+BT+WIFI+NFC+GNSS idle
Final test	23	Normal Operation: EUT charge other device via WPC+BT+WIFI+NFC+GNSS idle
Final test	24	Normal Operation: Data exchange between PC and EUT
Final test	25	Normal Operation: EUT USB Type C charge other device
Pre-scan	26	Normal Operation: EUT OTG mode(read data from USB disk)

6.2.3 Test Setup Diagram

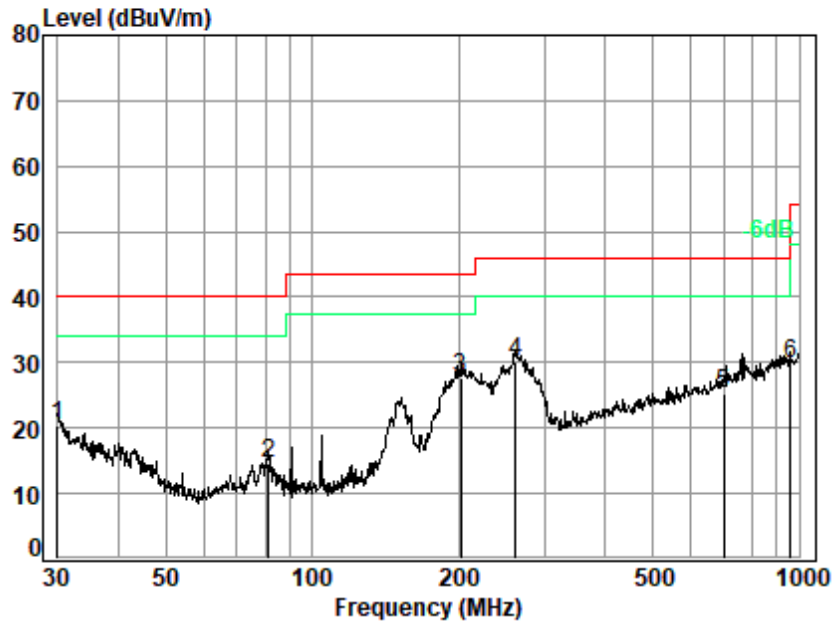


6.2.4 Measurement Procedure and Data

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

Test Mode: 19; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00881WM
Test Mode: 19

	Ant Freq	Cable Factor	Preamp Loss	Preamp Factor	Read Level	Read Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.000	21.20	0.67	27.79	26.16	20.24	40.00	-19.76	QP
2	81.497	10.57	1.10	27.64	30.50	14.53	40.00	-25.47	QP
3 q	201.393	14.22	1.77	27.16	38.86	27.69	43.50	-15.81	QP
4	261.975	17.16	2.05	26.91	37.71	30.01	46.00	-15.99	QP
5	699.305	25.93	3.54	27.73	23.63	25.37	46.00	-20.63	QP
6	958.794	28.10	4.28	26.34	23.68	29.72	46.00	-16.28	QP



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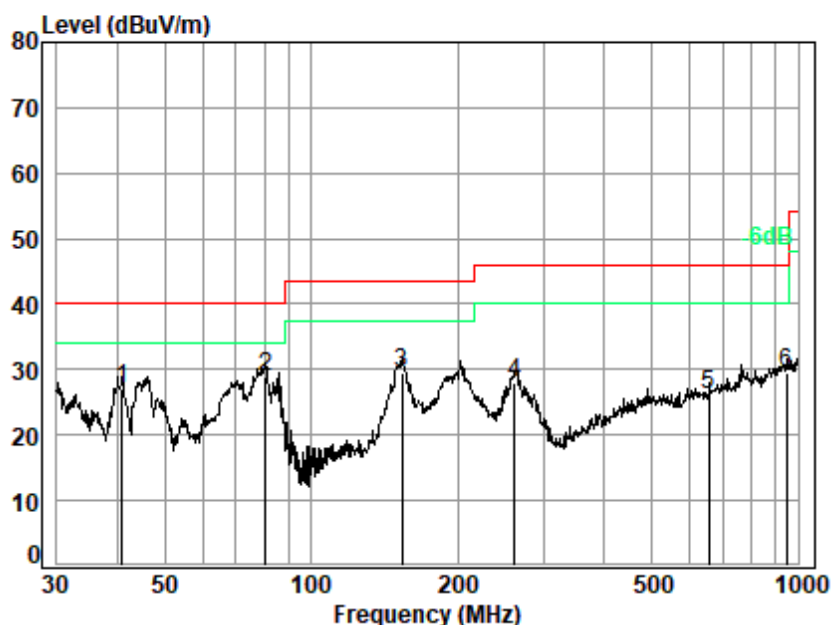
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Test Mode: 19; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM
Test Mode: 19

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	40.845	15.98	0.79	27.76	37.92	26.93	40.00 -13.07 QP
2	80.644	10.50	1.09	27.65	45.02	28.96	40.00 -11.04 QP
3	153.739	13.43	1.56	27.36	41.86	29.49	43.50 -14.01 QP
4	261.975	17.16	2.05	26.91	35.65	27.95	46.00 -18.05 QP
5	656.530	25.07	3.42	27.83	25.39	26.05	46.00 -19.95 QP
6	948.761	28.23	4.25	26.42	23.44	29.50	46.00 -16.50 QP



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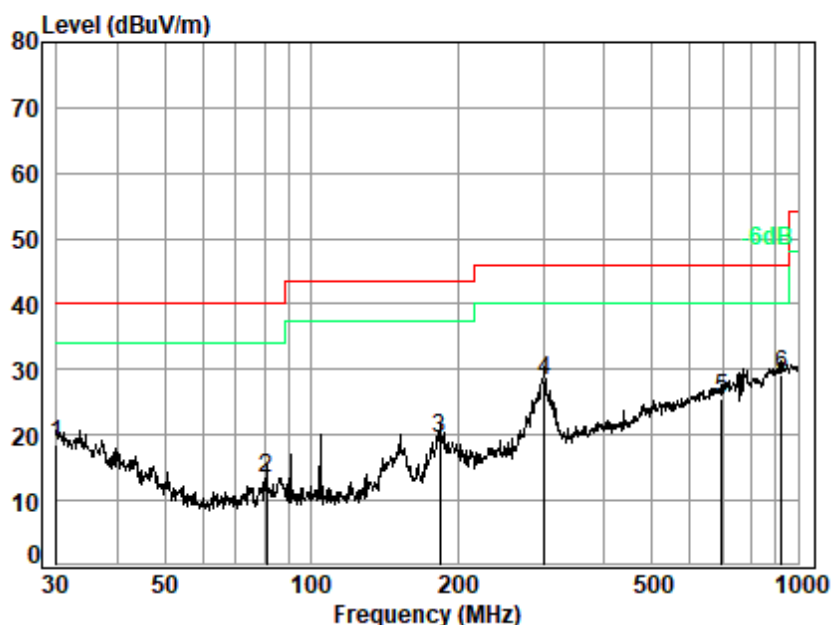
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Test Mode: 22; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00881WM
Test Mode: 22

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.000	21.20	0.67	27.79	24.57	18.65	40.00	-21.35 QP
2	80.927	10.52	1.10	27.65	29.56	13.53	40.00	-26.47 QP
3	183.844	14.22	1.69	27.24	30.79	19.46	43.50	-24.04 QP
4	301.422	18.13	2.21	26.76	34.69	28.27	46.00	-17.73 QP
5	696.857	25.88	3.53	27.73	23.99	25.67	46.00	-20.33 QP
6 q	925.756	28.18	4.19	26.58	23.48	29.27	46.00	-16.73 QP



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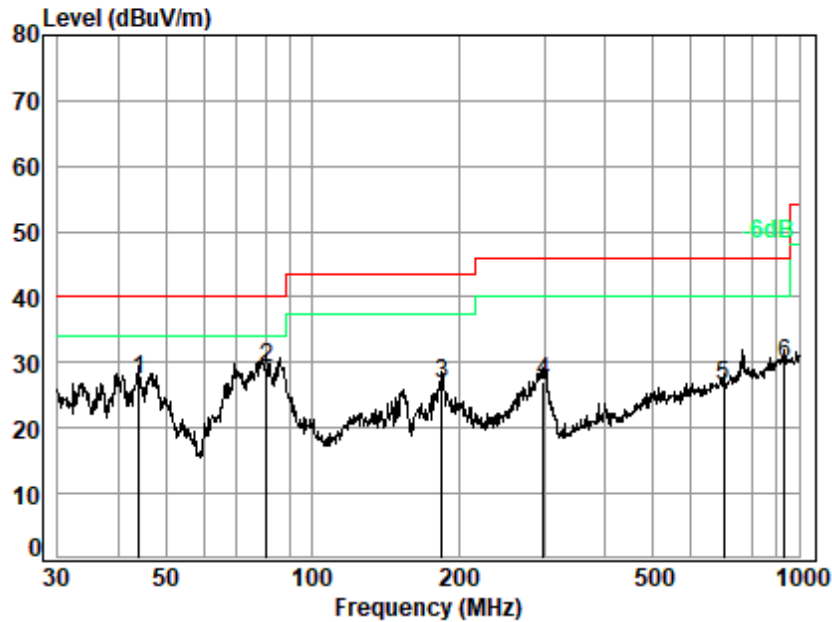
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Test Mode: 22; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM
Test Mode: 22

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	44.120	14.51	0.82	27.75	39.85	27.43	40.00	-12.57	QP
2	80.362	10.48	1.09	27.65	45.33	29.25	40.00	-10.75	QP
3	184.490	14.25	1.70	27.24	37.94	26.65	43.50	-16.85	QP
4	298.268	17.82	2.19	26.76	33.87	27.12	46.00	-18.88	QP
5	699.305	25.93	3.54	27.73	24.64	26.38	46.00	-19.62	QP
6	935.546	28.18	4.22	26.51	23.98	29.87	46.00	-16.13	QP



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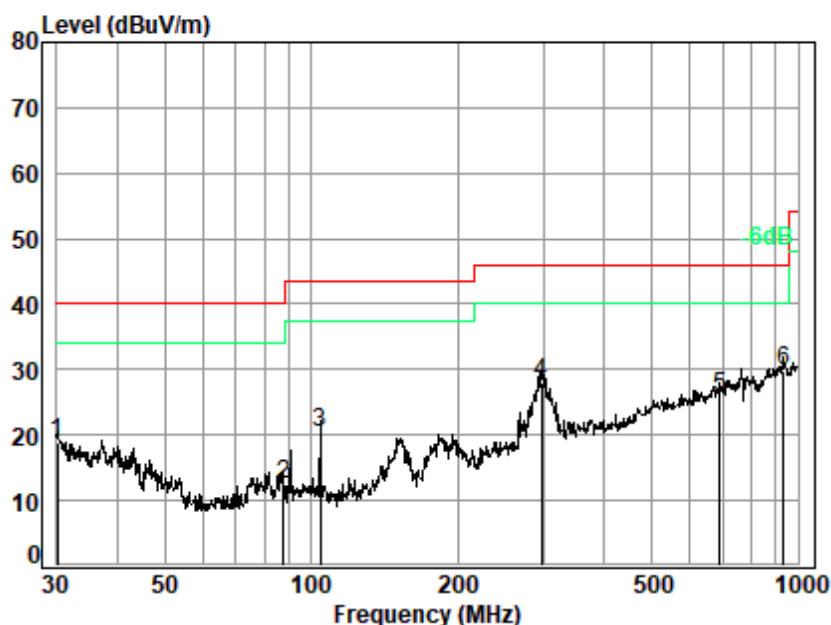
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Test Mode: 23; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 00881WM

Test Mode: 23

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.105	21.15	0.67	27.79	24.72	18.75	40.00	-21.25 QP
2	87.725	11.43	1.14	27.63	27.44	12.38	40.00	-27.62 QP
3	104.170	12.22	1.25	27.57	34.41	20.31	43.50	-23.19 QP
4	297.224	17.69	2.19	26.76	34.83	27.95	46.00	-18.05 QP
5	689.565	25.69	3.51	27.75	24.40	25.85	46.00	-20.15 QP
6 q	932.272	28.16	4.21	26.53	24.08	29.92	46.00	-16.08 QP



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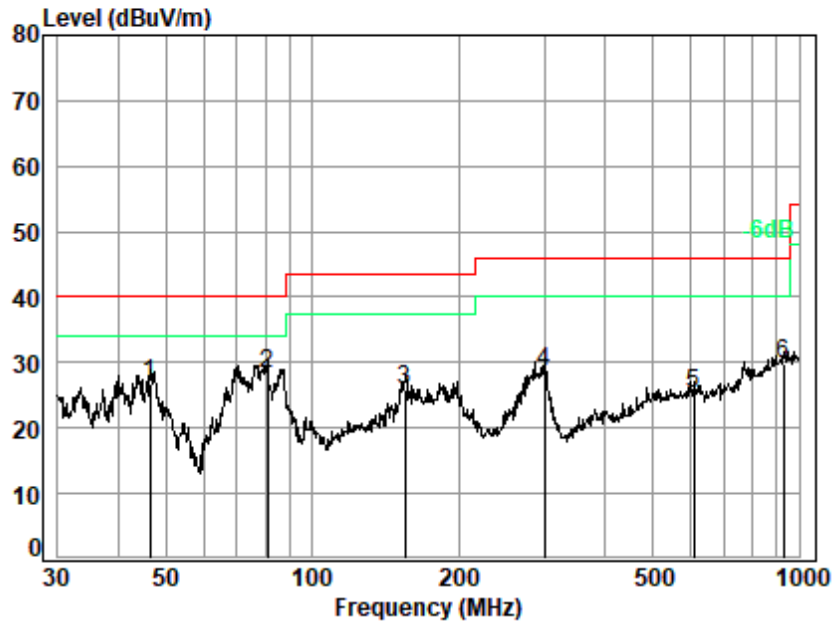
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Test Mode: 23; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM
Test Mode: 23

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	46.503	13.79	0.83	27.74	39.87	26.75	40.00	-13.25	QP
2 q	80.927	10.52	1.10	27.65	44.32	28.29	40.00	-11.71	QP
3	155.364	13.55	1.56	27.36	38.14	25.89	43.50	-17.61	QP
4	300.367	18.05	2.20	26.75	35.20	28.70	46.00	-17.30	QP
5	607.787	24.61	3.27	27.95	25.27	25.20	46.00	-20.80	QP
6	929.008	28.16	4.20	26.56	23.94	29.74	46.00	-16.26	QP



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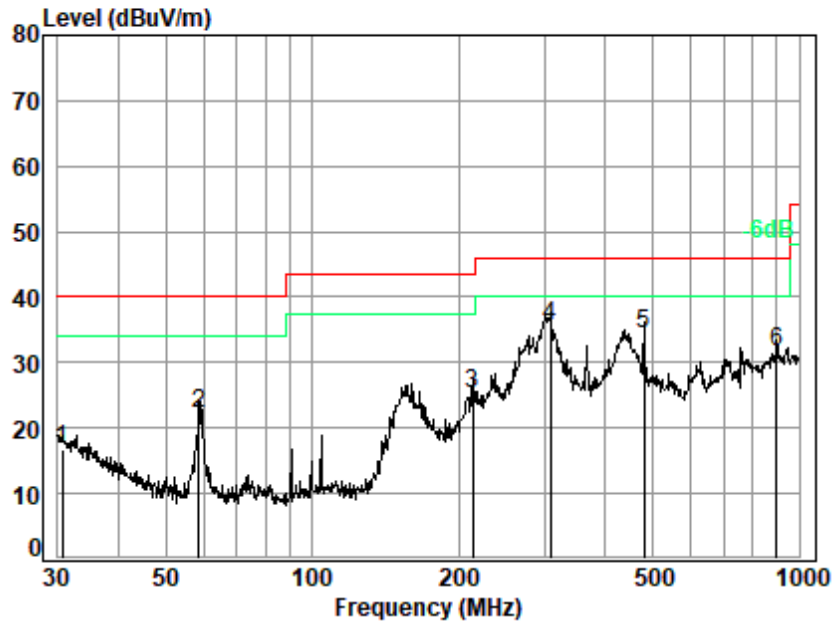
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Test Mode: 24; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00881WM
Test Mode: 24

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.638	20.90	0.68	27.79	23.06	16.85	40.00 -23.15 QP
2	58.407	11.65	0.94	27.71	37.29	22.17	40.00 -17.83 QP
3	213.763	14.80	1.83	27.11	35.87	25.39	43.50 -18.11 QP
4 q	308.913	18.41	2.24	26.79	41.80	35.66	46.00 -10.34 QP
5	480.528	22.75	2.86	27.48	36.16	34.29	46.00 -11.71 QP
6	900.147	27.82	4.12	26.76	26.35	31.53	46.00 -14.47 QP



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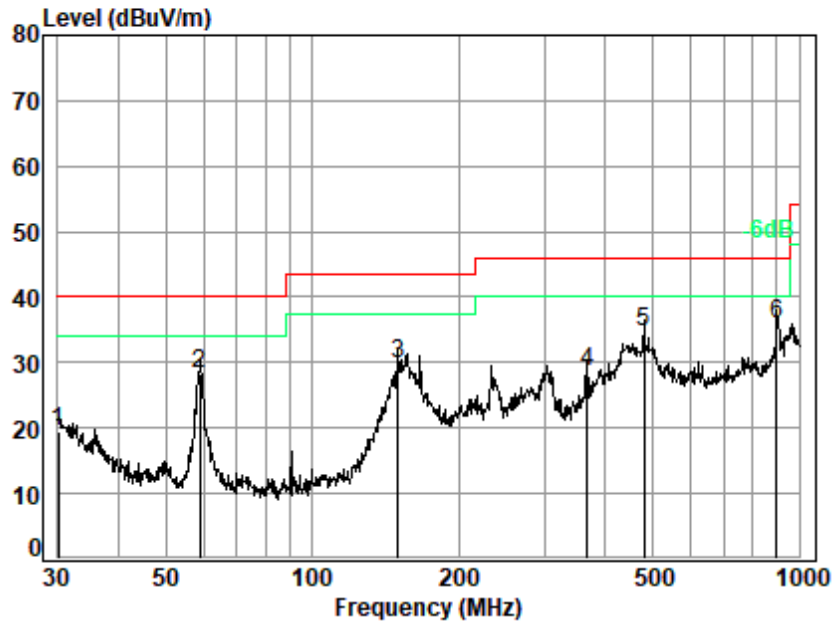
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Test Mode: 24; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM
Test Mode: 24

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Line	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.105	21.15	0.67	27.79	25.42	19.45	40.00 -20.55 QP
2	58.819	11.61	0.94	27.71	43.55	28.39	40.00 -11.61 QP
3	150.011	13.04	1.54	27.38	42.74	29.94	43.50 -13.56 QP
4	366.823	20.35	2.47	27.02	32.71	28.51	46.00 -17.49 QP
5	480.528	22.75	2.86	27.48	36.49	34.62	46.00 -11.38 QP
6 q	896.997	27.93	4.11	26.79	30.67	35.92	46.00 -10.08 QP



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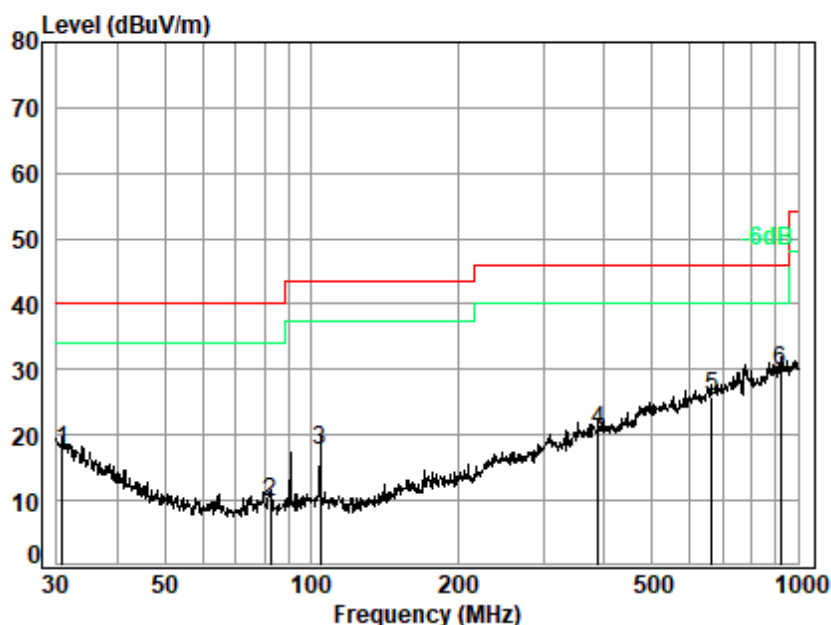
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Test Mode: 25; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 00881WM

Test Mode: 25

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.853	20.81	0.68	27.79	24.02	17.72	40.00	-22.28 QP
2	82.648	10.69	1.11	27.64	25.47	9.63	40.00	-30.37 QP
3	104.170	12.22	1.25	27.57	31.72	17.62	43.50	-25.88 QP
4	387.992	20.82	2.54	27.11	24.32	20.57	46.00	-25.43 QP
5	663.473	25.32	3.44	27.81	24.76	25.71	46.00	-20.29 QP
6 q	919.287	28.17	4.17	26.63	24.10	29.81	46.00	-16.19 QP



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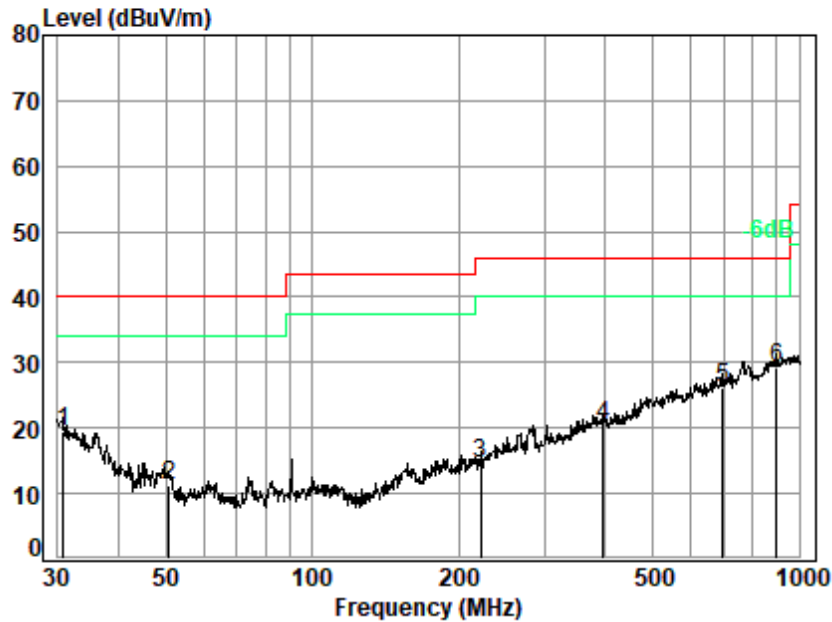
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Test Mode: 25; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM
Test Mode: 25

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.745	20.86	0.68	27.79	25.84	19.59	40.00	-20.41 QP
2	50.764	12.64	0.87	27.73	25.47	11.25	40.00	-28.75 QP
3	222.170	15.40	1.87	27.08	24.30	14.49	46.00	-31.51 QP
4	396.242	20.68	2.57	27.14	24.18	20.29	46.00	-25.71 QP
5	696.857	25.88	3.53	27.73	24.57	26.25	46.00	-19.75 QP
6 q	900.147	27.82	4.12	26.76	24.07	29.25	46.00	-16.75 QP



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6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Measurement Distance: 3m

Limit:

Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average at 3m distance
83.54(dBμV/m) peak, 63.54(dBμV/m) average at 1m distance

Detector: Peak for pre-scan (1MHz resolution bandwidth) 1GHz to 40GHz

6.3.1 E.U.T. Operation

Operating Environment:

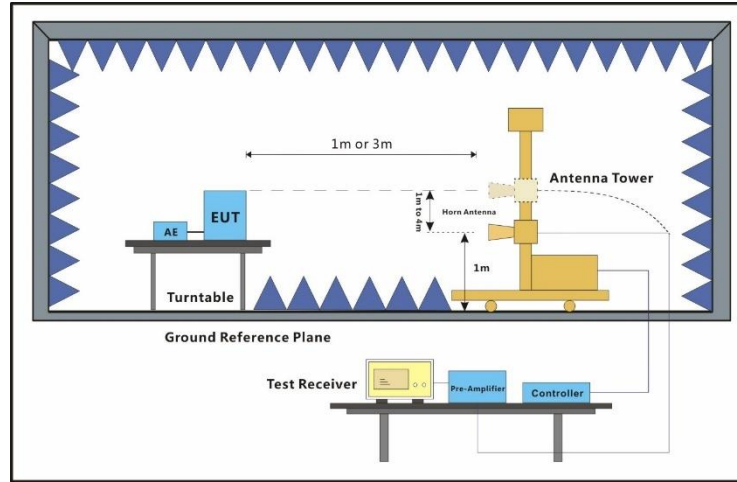
Temperature: 21.1 °C Humidity: 40.6 % RH Atmospheric Pressure: 1020 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	19	Normal Operation: Charge+Front Camera+BT+WIFI+NFC+GNSS+WWAN(WCDMA B5) idle
Pre-scan	20	Normal Operation: Charge+Rear Camera+BT+WIFI+NFC+GNSS+WWAN(LTE B17) idle
Pre-scan	21	Normal Operation: Charge+Play MP4+BT+WIFI+NFC+GNSS+WWAN(NR n71) idle
Pre-scan	22	Normal Operation: EUT charged by WPC charger+BT+WIFI+NFC+GNSS idle
Pre-scan	23	Normal Operation: EUT charge other device via WPC+BT+WIFI+NFC+GNSS idle
Final test	24	Normal Operation: Data exchange between PC and EUT
Final test	25	Normal Operation: EUT USB Type C charge other device
Final test	26	Normal Operation: EUT OTG mode(read data from USB disk)



6.3.3 Test Setup Diagram



6.3.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark: For frequency above 6GHz, all the emission is the noise floor, and more than 10dB margin, so it's not recorded.

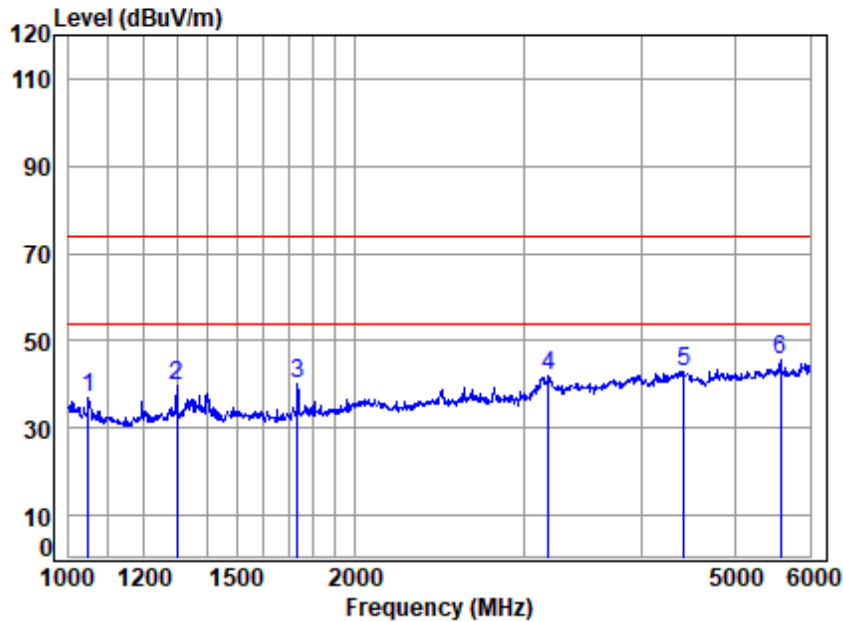
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Test Mode: 19; Polarity: Horizontal



Site : chamber
Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 19

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1049.567	5.82	24.71	54.62	61.16	37.07	74.00	-36.93	Peak
2	1299.003	5.27	24.81	54.71	64.20	39.57	74.00	-34.43	Peak
3	1739.597	4.98	26.68	54.84	63.55	40.37	74.00	-33.63	Peak
4	3187.600	6.08	32.80	54.85	57.82	41.85	74.00	-32.15	Peak
5	4424.514	7.09	34.51	54.25	55.57	42.92	74.00	-31.08	Peak
6 p	5585.026	8.38	34.70	53.53	56.13	45.68	74.00	-28.32	Peak



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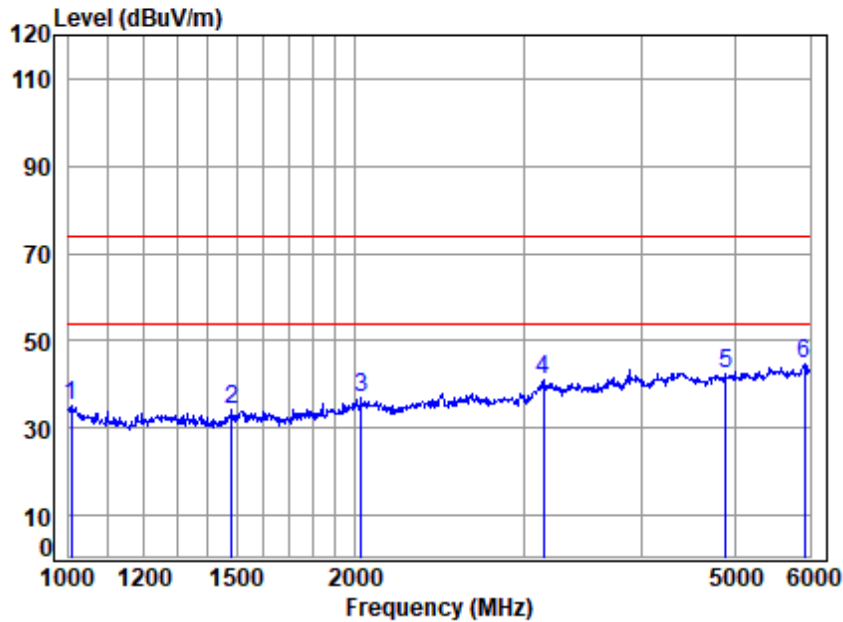
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Test Mode: 19; Polarity: Vertical



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 19

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1005.390	5.94	26.13	54.60	57.69	35.16	74.00	-38.84	Peak
2	1483.178	4.92	26.33	54.77	57.89	34.37	74.00	-39.63	Peak
3	2025.777	5.08	28.90	54.90	57.74	36.82	74.00	-37.18	Peak
4	3147.870	6.05	32.46	54.88	57.33	40.96	74.00	-33.04	Peak
5	4891.500	7.54	34.67	54.21	54.57	42.57	74.00	-31.43	Peak
6 p	5914.609	8.69	34.63	53.19	54.39	44.52	74.00	-29.48	Peak



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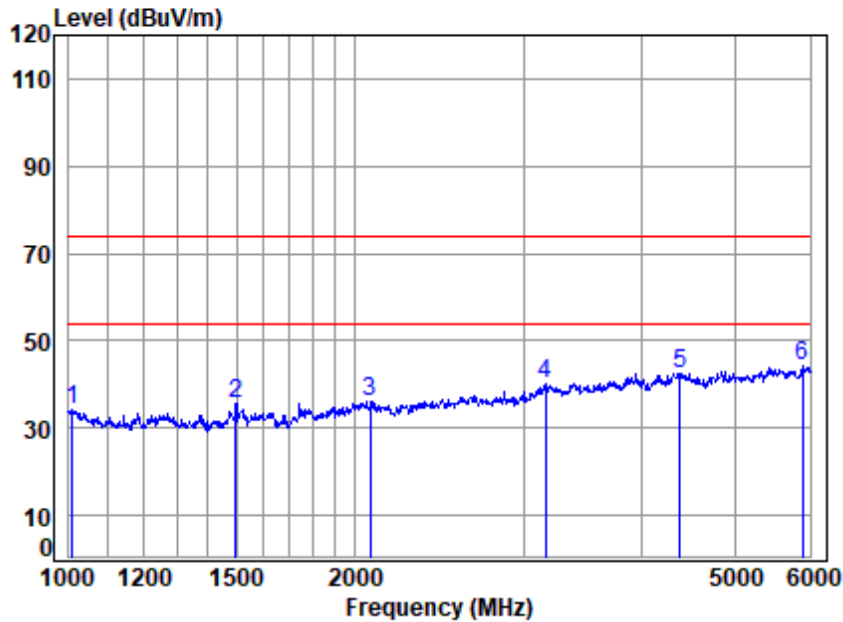
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Test Mode: 24; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 24

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1008.999	5.93	26.01	54.60	56.66	34.00	74.00	-40.00	Peak
2	1496.525	4.90	26.70	54.77	58.87	35.70	74.00	-38.30	Peak
3	2073.517	5.12	28.91	54.91	56.85	35.97	74.00	-38.03	Peak
4	3164.836	6.06	32.62	54.87	56.15	39.96	74.00	-34.04	Peak
5	4385.052	7.06	34.68	54.26	55.14	42.62	74.00	-31.38	Peak
6 p	5893.452	8.67	34.57	53.21	54.14	44.17	74.00	-29.83	Peak



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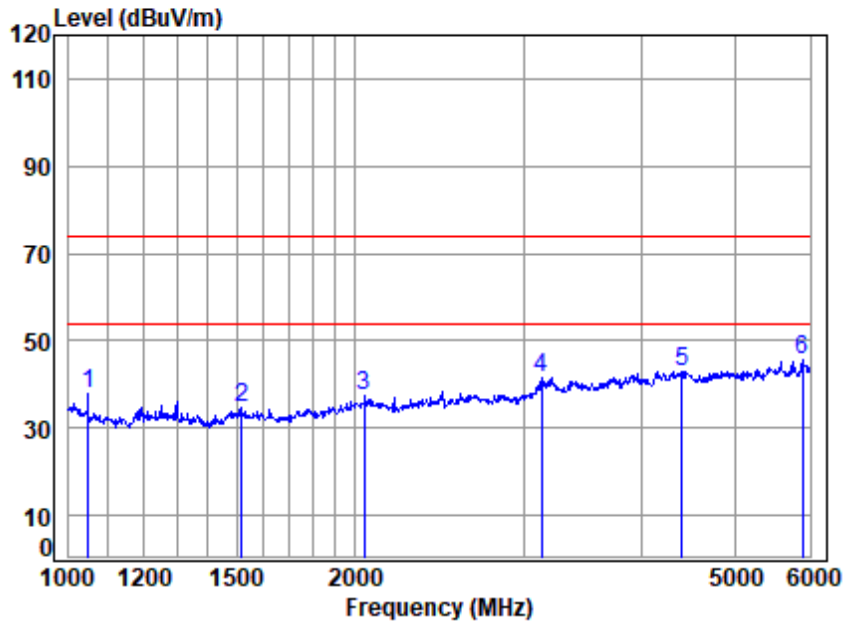
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Test Mode: 24; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 24

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1047.688	5.83	24.77	54.62	61.71	37.69	74.00	-36.31	Peak
2	1518.131	4.90	26.87	54.78	57.48	34.47	74.00	-39.53	Peak
3	2044.007	5.10	28.98	54.91	58.39	37.56	74.00	-36.44	Peak
4	3136.610	6.05	32.26	54.89	58.01	41.43	74.00	-32.57	Peak
5	4400.794	7.07	34.79	54.26	55.40	43.00	74.00	-31.00	Peak
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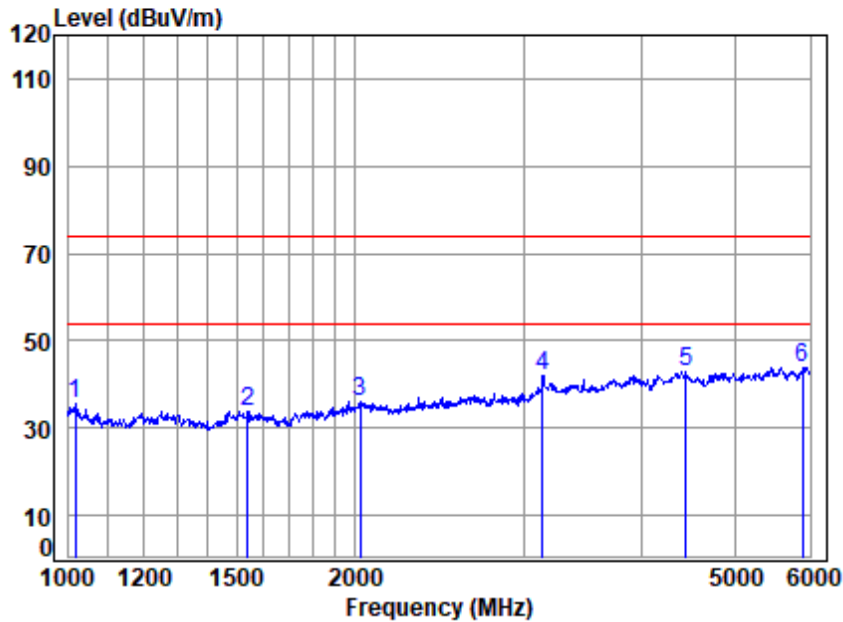
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Test Mode: 25; Polarity: Horizontal



Site : chamber
Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 25

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1016.257	5.91	25.78	54.61	58.42	35.50	74.00	-38.50	Peak
2	1540.049	4.91	26.96	54.79	56.89	33.97	74.00	-40.03	Peak
3	2022.150	5.08	28.89	54.90	57.17	36.24	74.00	-37.76	Peak
4	3142.235	6.05	32.36	54.89	58.46	41.98	74.00	-32.02	Peak
5	4440.397	7.10	34.32	54.25	55.80	42.97	74.00	-31.03	Peak
6 p	5893.452	8.67	34.57	53.21	53.85	43.88	74.00	-30.12	Peak



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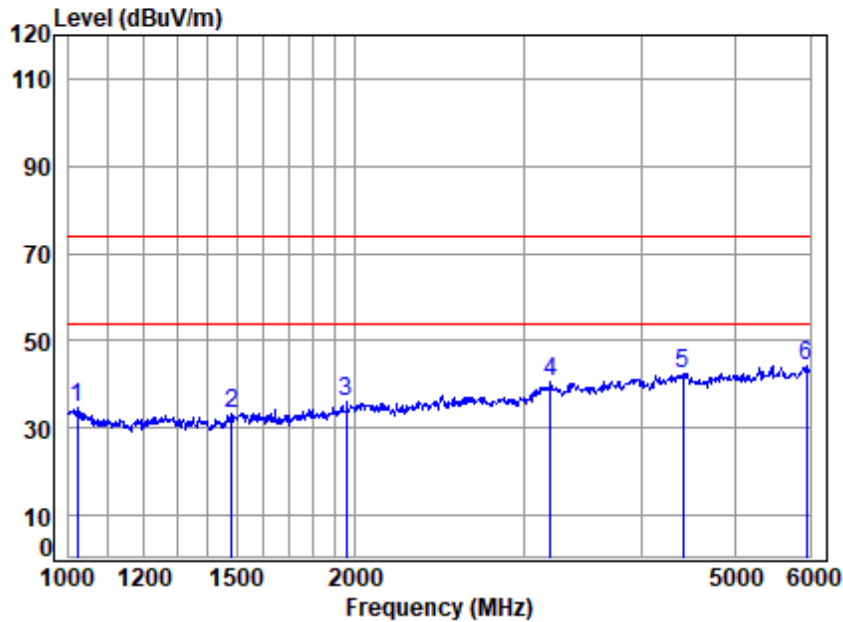
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Test Mode: 25; Polarity: Vertical



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 25

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1019.905	5.90	25.66	54.61	57.60	34.55	74.00	-39.45	Peak
2	1483.178	4.92	26.33	54.77	56.99	33.47	74.00	-40.53	Peak
3	1957.973	5.05	28.04	54.89	57.73	35.93	74.00	-38.07	Peak
4	3204.781	6.09	32.82	54.84	56.39	40.46	74.00	-33.54	Peak
5	4408.687	7.08	34.70	54.26	54.89	42.41	74.00	-31.59	Peak
6 p	5946.487	8.72	34.69	53.15	53.79	44.05	74.00	-29.95	Peak



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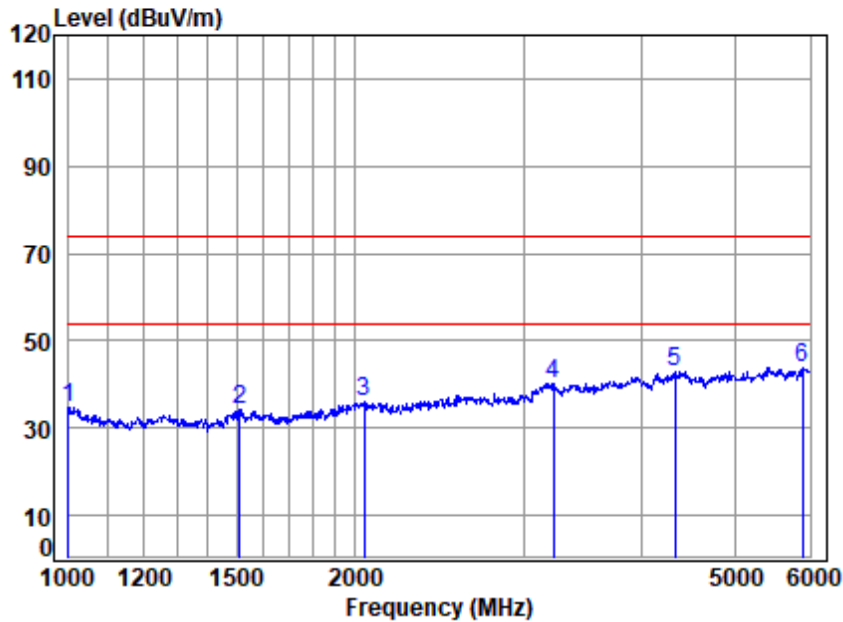
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Test Mode: 26; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 26

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1000.000	5.95	26.30	54.60	56.94	34.59	74.00	-39.41	Peak
2	1509.992	4.89	26.84	54.78	57.24	34.19	74.00	-39.81	Peak
3	2040.348	5.09	28.96	54.90	56.74	35.89	74.00	-38.11	Peak
4	3227.832	6.11	32.45	54.82	56.38	40.12	74.00	-33.88	Peak
5	4330.397	7.02	34.24	54.26	56.05	43.05	74.00	-30.95	Peak
6 p	5893.452	8.67	34.57	53.21	53.61	43.64	74.00	-30.36	Peak



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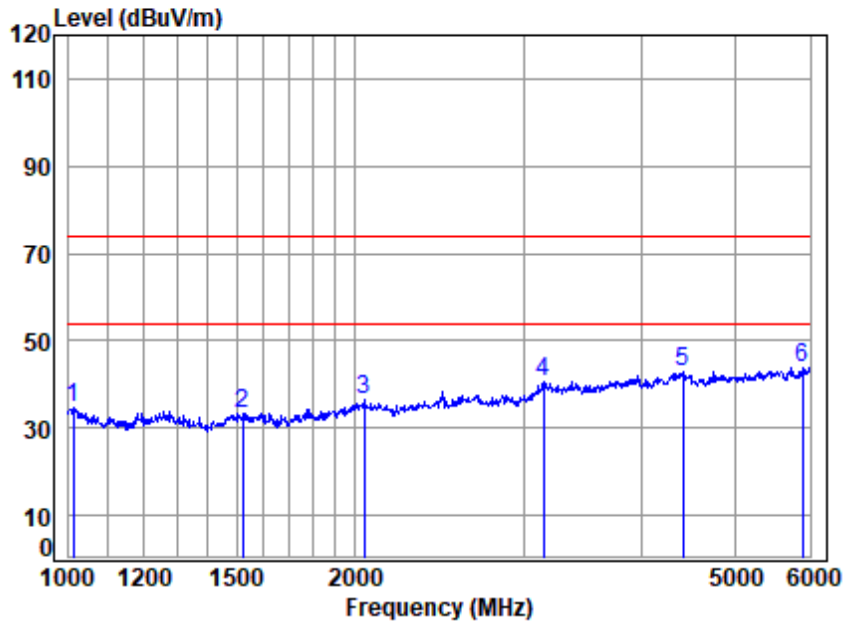
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Test Mode: 26; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 26

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1010.809	5.92	25.95	54.60	57.21	34.48	74.00	-39.52	Peak
2	1523.581	4.90	26.89	54.78	56.50	33.51	74.00	-40.49	Peak
3	2040.348	5.09	28.96	54.90	57.25	36.40	74.00	-37.60	Peak
4	3147.870	6.05	32.46	54.88	57.03	40.66	74.00	-33.34	Peak
5	4416.593	7.08	34.60	54.26	55.26	42.68	74.00	-31.32	Peak
6 p	5893.452	8.67	34.57	53.21	53.99	44.02	74.00	-29.98	Peak



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7 Test Setup Photo

Please refer to SZCR2503000881 Part 15B Appendix_Setup Photo

8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2503000881WM.

- End of the Report -

