

FCC EMC Test Report

FCC ID: 2AYGCHES-B39

Project No. : 2012C009
Equipment : Smart Watch
Brand Name : HONOR
Test Model : HES-B39
Series Model : N/A
Applicant : Honor Device Co., Ltd.
Address : Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, Guangdong, China
Manufacturer : Honor Device Co., Ltd.
Address : Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, Guangdong, China
Date of Receipt : Dec. 03, 2020
Date of Test : Dec. 03, 2020 ~ Dec. 10, 2020
Issued Date : Feb. 10, 2021
Report Version : R01
Test Sample : Engineering Sample No.: DG2020120320, DG2020120321, DG2020120322
Standard(s) : FCC CFR Title 47, Part 15, Subpart B

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Derek Tong

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Table of Contents	Page
REPORT ISSUED HISTORY	4
1 . SUMMARY OF TEST RESULTS	5
1.1 TEST FACILITY	6
1.2 MEASUREMENT UNCERTAINTY	6
1.3 TEST ENVIRONMENT CONDITIONS	6
2 . GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF EUT	7
2.2 DESCRIPTION OF TEST MODES	8
2.3 EUT OPERATING CONDITIONS	9
2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	9
2.5 DESCRIPTION OF SUPPORT UNITS	9
3 . EMC EMISSION TEST	10
3.1 AC POWER LINE CONDUCTED EMISSIONS TEST	10
3.1.1 LIMIT	10
3.1.2 MEASUREMENT INSTRUMENTS LIST	10
3.1.3 TEST PROCEDURE	11
3.1.4 DEVIATION FROM TEST STANDARD	11
3.1.5 TEST SETUP	11
3.1.6 TEST RESULTS	11
3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ	14
3.2.1 LIMIT	14
3.2.2 MEASUREMENT INSTRUMENTS LIST	14
3.2.3 TEST PROCEDURE	15
3.2.4 DEVIATION FROM TEST STANDARD	15
3.2.5 TEST SETUP	15
3.2.6 TEST RESULTS	15
3.3 RADIATED EMISSIONS ABOVE 1 GHZ	18
3.3.1 LIMIT	18
3.3.2 MEASUREMENT INSTRUMENTS LIST	18
3.3.3 TEST PROCEDURE	19
3.3.4 DEVIATION FROM TEST STANDARD	19
3.3.5 TEST SETUP	19
3.3.6 TEST RESULTS	20

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 14, 2020
R01	1. Added FCC ID. 2. Changed applicant and manufacturer information.	Feb. 10, 2021

1. SUMMARY OF TEST RESULTS

Emission		
Standard(s)	Test Item	Result
FCC CFR Title 47, Part 15, Subpart B ANSI C63.4-2014	AC Power Line Conducted Emissions	PASS
	Radiated Emissions 30 MHz to 1 GHz	PASS
	Radiated Emissions Above 1 GHz	PASS

1.1 TEST FACILITY

The test facilities used to collect the test data in this report at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB02 (3m)	CISPR	30MHz ~ 200MHz	V	4.56
		30MHz ~ 200MHz	H	3.60
		200MHz ~ 1,000MHz	V	4.16
		200MHz ~ 1,000MHz	H	4.00

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB02 (3m)	CISPR	1GHz ~ 6GHz	4.38
		6GHz ~ 18GHz	5.36

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Tested By
AC Power Line Conducted Emissions	25°C	53%	Gerry Zhao
Radiated emissions 30 MHz to 1 GHz	24°C	60%	Richard Zhang
Radiated emissions above 1 GHz	24°C	60%	Jayce Yao

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Watch
Brand Name	HONOR
Test Model	HES-B39
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	R1
Software Version	1.0.0.73
Power Source	1# Supplied from battery. 2# Supplied from Charging Dock.
Power Rating	1# DC 3.87V, 180mAh 2# DC 5V
Classification of EUT	Class B
Intended Operating Frequency(Fo)	2402 MHz ~ 2480 MHz
Highest Internal Frequency(Fx)	2480 MHz

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT contains following accessory devices:

Items	Trademark / Manufacturer / Factory	Model Name	Description
Rechargeable Li-ion Battery	HONOR DEVICE CO., LTD. (Manufacturer: LISHEN / NVT / CosMX)	HB351731EFW	Capacity:180mAh Rated Voltage:3.87V Cutoff Voltage:4.45V Discharge Voltage:3.0V
Charging Dock	/	POWER-CA030	/

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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	Charging+Normal operation+BT link

AC Power Line Conducted Emissions test	
Final Test Mode	Description
Mode 1	Charging+Normal operation+BT link

Radiated Emissions 30 MHz to 1 GHz test	
Final Test Mode	Description
Mode 1	Charging+Normal operation+BT link

Radiated emissions above 1 GHz test	
Final Test Mode	Description
Mode 1	Charging+Normal operation+BT link

Note:

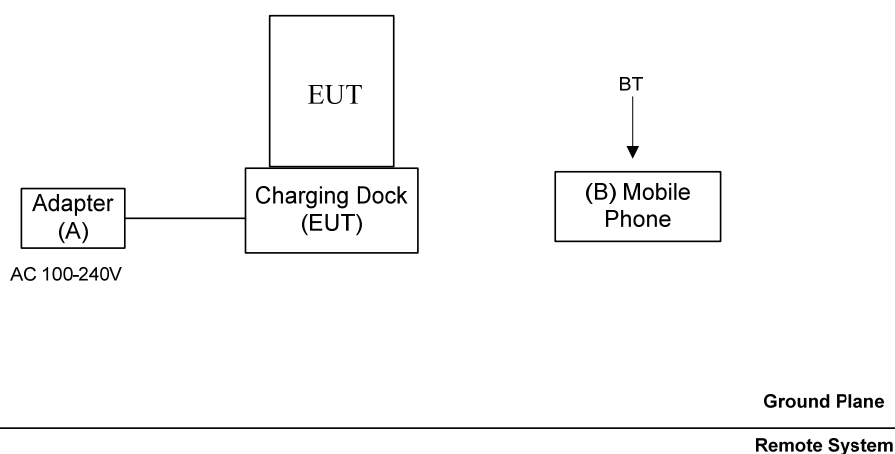
1. The Iliashen, NVT and CosMX battery are tested, the worst case is NVT and recorded in this report.
2. The product supports BLE function.
The frequency exemption are 2400-2483.5MHz.
3. Radiated emission above 1GHz tested with 2.4G filter.

2.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:

1. The charging dock connected to Adapter for charging.
2. EUT connected to Mobile Phone via BT Function.
3. EUT is plugged into the Charging Dock.

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
A	Adapter	HUAWEI	HW-050200C02	N/A
B	Mobile Phone	SAMSUNG	SM-3650/DS	R28KA0BBEEE

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

Frequency of Emission (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.5 - 5.0	56.00	46.00
5.0 - 30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

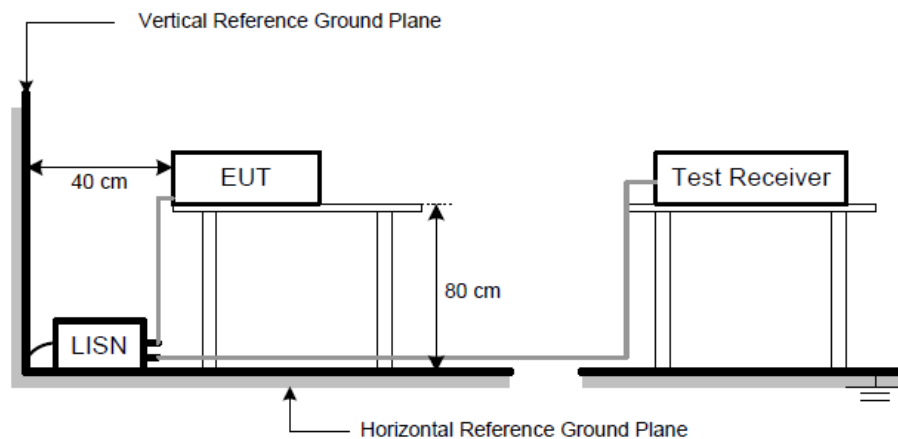
3.1.3 TEST PROCEDURE

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment 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.
- Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP

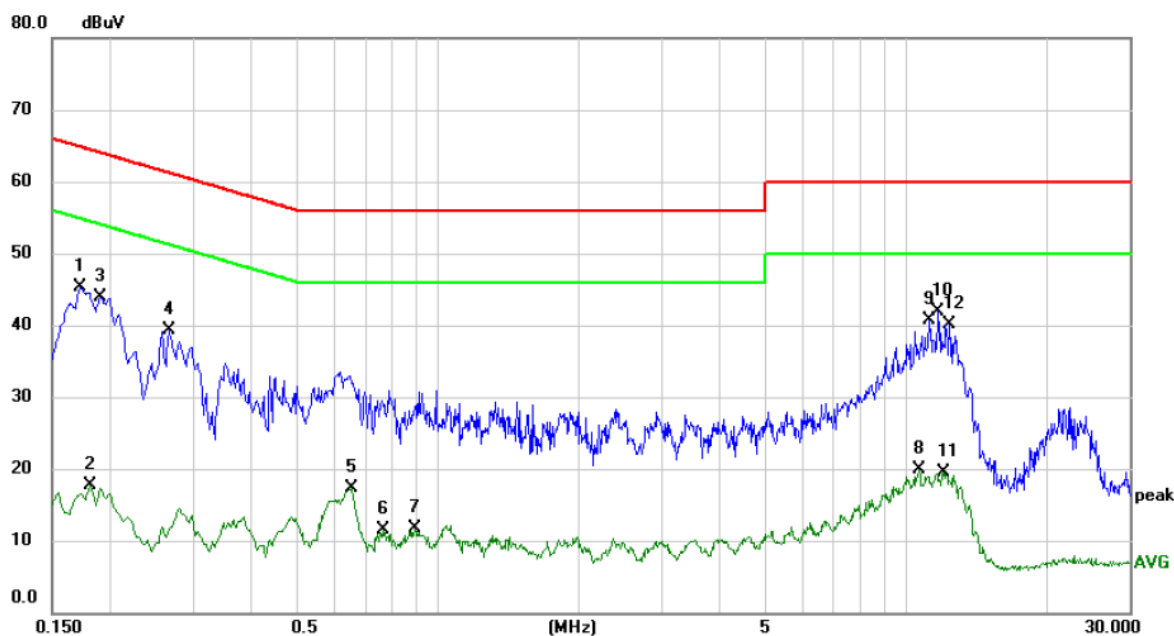


3.1.6 TEST RESULTS

Remark:

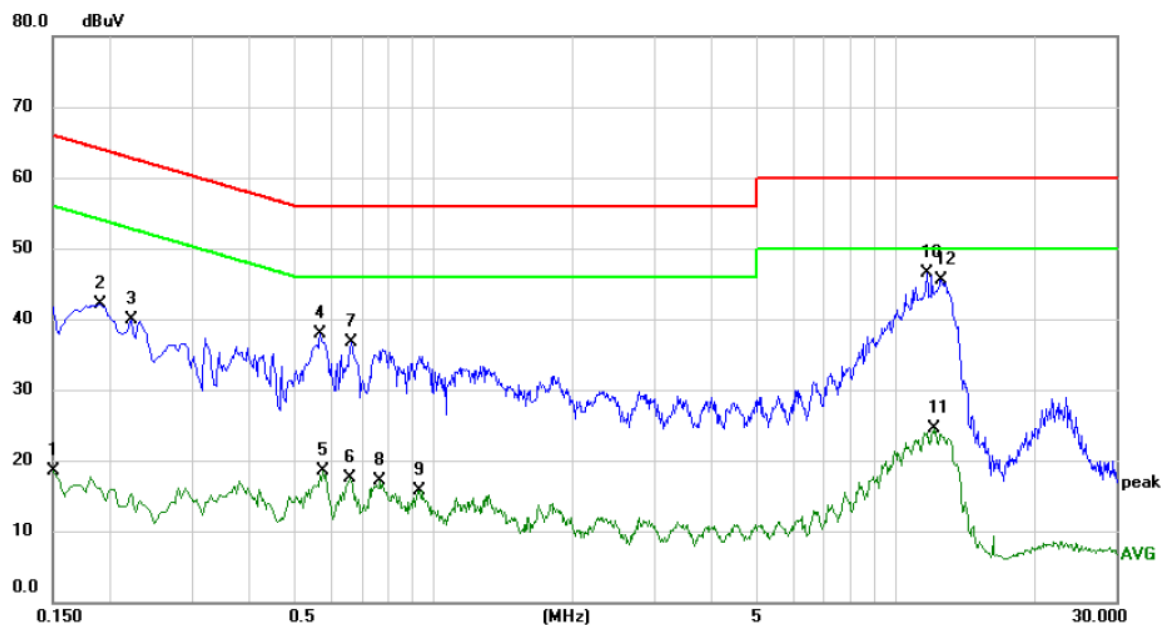
- Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.3 sec./MHz.
- All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “*” marked in AVG Mode column of Interference Voltage Measured.

Test Voltage	AC 120V/60Hz	Phase	Line
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1725	35.38	9.83	45.21	64.84	-19.63	QP	
2		0.1815	7.83	9.85	17.68	54.42	-36.74	AVG	
3		0.1905	34.06	9.88	43.94	64.01	-20.07	QP	
4		0.2670	29.44	9.88	39.32	61.21	-21.89	QP	
5		0.6540	7.45	9.92	17.37	46.00	-28.63	AVG	
6		0.7620	1.53	9.94	11.47	46.00	-34.53	AVG	
7		0.8925	1.64	10.00	11.64	46.00	-34.36	AVG	
8		10.6215	9.14	10.72	19.86	50.00	-30.14	AVG	
9		11.1705	29.97	10.75	40.72	60.00	-19.28	QP	
10	*	11.6925	31.07	10.77	41.84	60.00	-18.16	QP	
11		12.0480	8.66	10.79	19.45	50.00	-30.55	AVG	
12		12.3360	29.22	10.80	40.02	60.00	-19.98	QP	

Test Voltage	AC 120V/60Hz	Phase	Neutral
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	8.78	9.74	18.52	56.00	-37.48	AVG	
2		0.1905	32.14	9.98	42.12	64.01	-21.89	QP	
3		0.2220	29.99	9.99	39.98	62.74	-22.76	QP	
4		0.5685	27.80	10.18	37.98	56.00	-18.02	QP	
5		0.5775	8.35	10.18	18.53	46.00	-27.47	AVG	
6		0.6585	7.42	10.15	17.57	46.00	-28.43	AVG	
7		0.6630	26.56	10.14	36.70	56.00	-19.30	QP	
8		0.7665	6.98	10.20	17.18	46.00	-28.82	AVG	
9		0.9330	5.49	10.28	15.77	46.00	-30.23	AVG	
10	*	11.6475	35.36	11.08	46.44	60.00	-13.56	QP	
11		12.1200	13.35	11.09	24.44	50.00	-25.56	AVG	
12		12.5385	34.37	11.09	45.46	60.00	-14.54	QP	

3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

Frequency (MHz)	Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
3m Emission level = 10m Emission level + 20log(10m/3m).
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

3.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Amplifier	HP	8447D	1937A02847	Feb. 28, 2021
2	Cable	emci	LMR-400(30MHz-1GHz)(10m+2.5m)	N/A	Jun. 03, 2021
3	Controller	MF	MF-7802BS	N/A	N/A
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	EMI Test Receiver	Keysight	N9038A	MY56400060	Feb. 28, 2021
6	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	586	Jan. 14, 2021

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

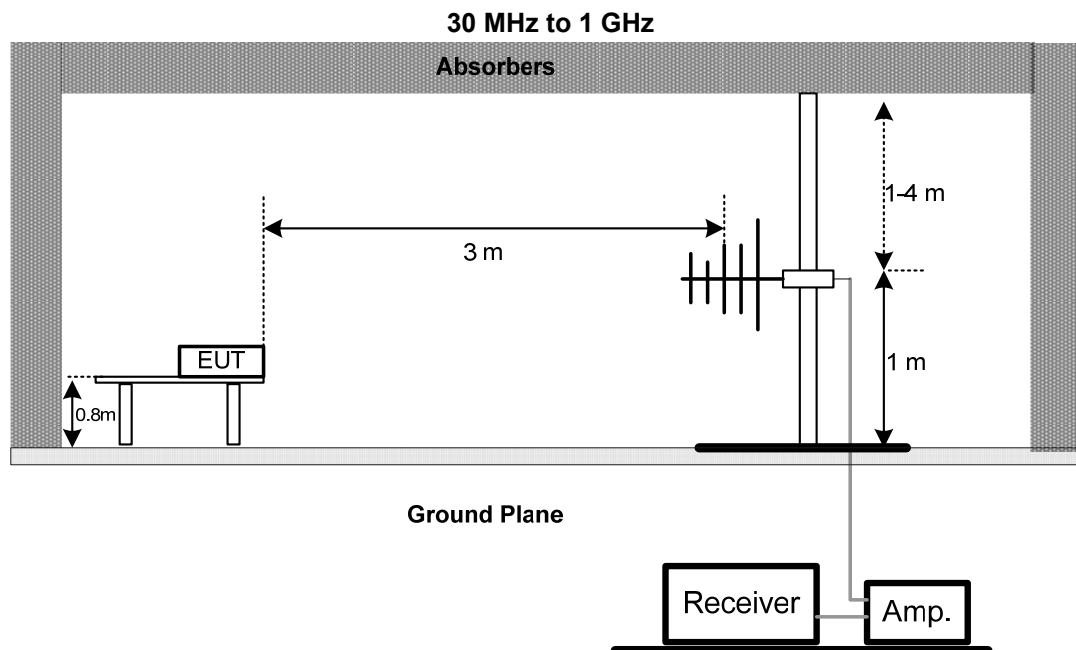
3.2.3 TEST PROCEDURE

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m, 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- For the actual test configuration, please refer to the related Item - EUT Test Photos.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP

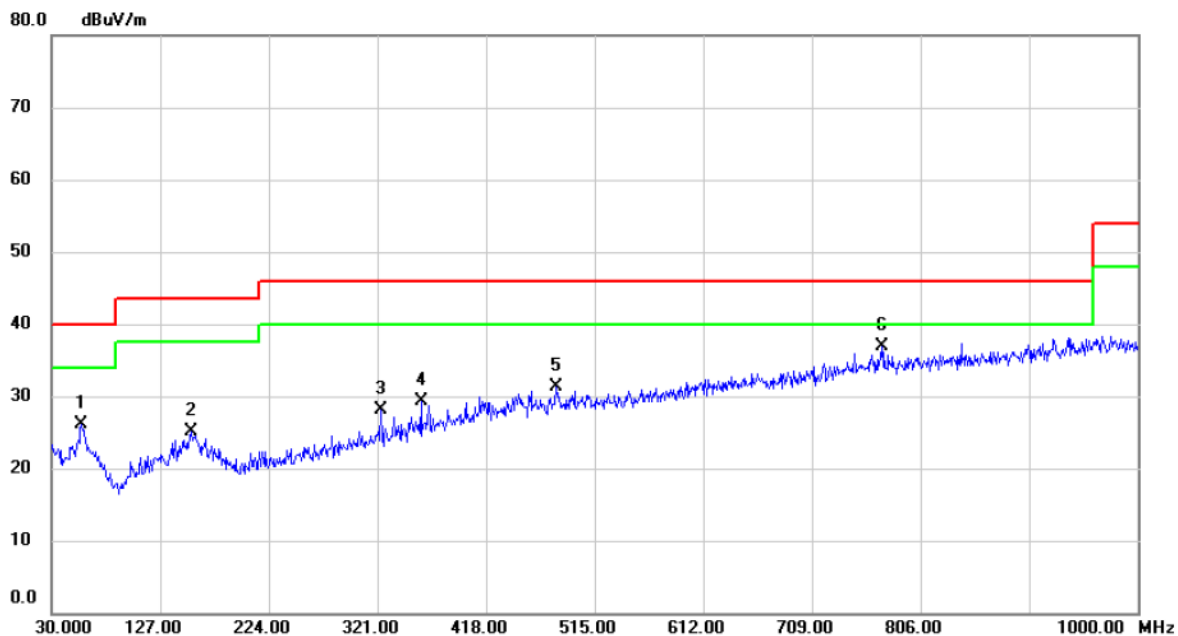


3.2.6 TEST RESULTS

Remark:

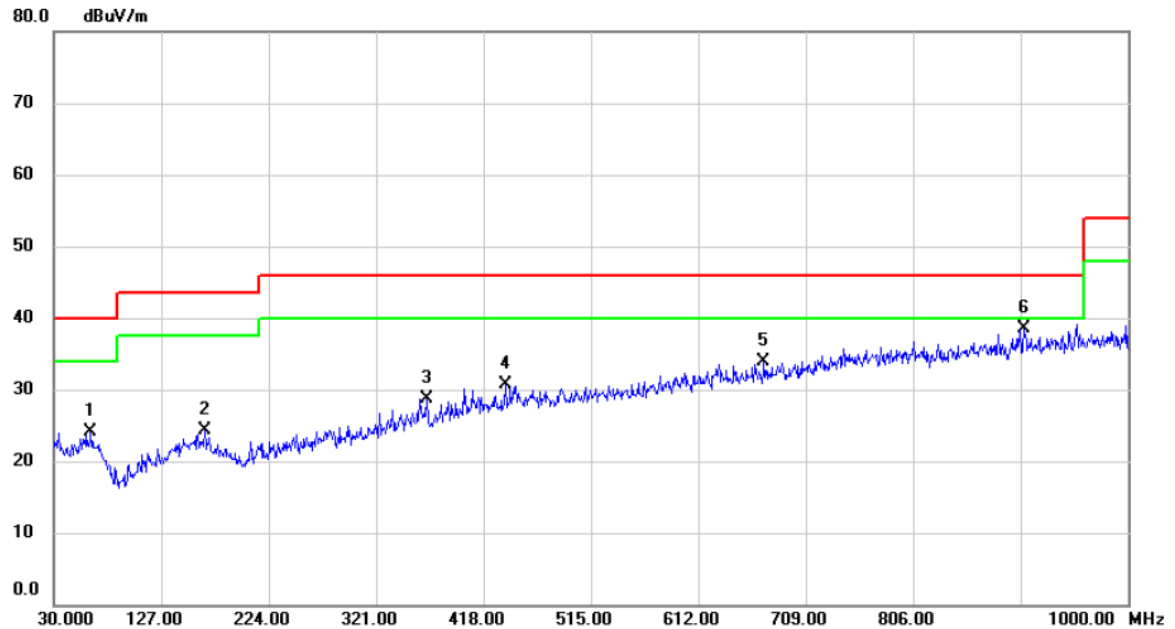
- (1) Measuring frequency range from 30 MHz to 1000 MHz
- (2) If the peak scan value lower limit more than 20 dB, then this signal data does not show in table.

Test Voltage	AC 120V/60Hz	Polarization	Vertical
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		56.1900	31.98	-5.82	26.16	40.00	-13.84	QP	
2		155.1300	30.70	-5.63	25.07	43.50	-18.43	QP	
3		323.9100	31.84	-3.75	28.09	46.00	-17.91	QP	
4		359.8000	31.76	-2.49	29.27	46.00	-16.73	QP	
5		481.0500	30.38	0.90	31.28	46.00	-14.72	QP	
6	*	771.5650	29.79	7.17	36.96	46.00	-9.04	QP	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		63.4650	30.02	-5.89	24.13	40.00	-15.87	QP	
2		166.2850	30.05	-5.71	24.34	43.50	-19.16	QP	
3		366.5900	30.92	-2.23	28.69	46.00	-17.31	QP	
4		437.8850	30.30	0.31	30.61	46.00	-15.39	QP	
5		671.1700	29.05	4.89	33.94	46.00	-12.06	QP	
6	*	906.3950	29.79	8.73	38.52	46.00	-7.48	QP	

3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

Frequency (MHz)	Class B	
	(dBuV/m) (at 3m)	
	Peak	Average
Above 1000	74	54

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
1m Emission level = 3m Emission level + 20log(3m/1m).
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

3.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Apr. 17, 2021
2	Amplifier	Agilent	8449B	3008A02334	Mar. 01, 2021
3	Cable	mitron	RWLP50-4.0A-KJ-SMSM-12M	N/A	Nov. 25, 2021
4	Controller	MF	MF-7802BS	N/A	N/A
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	EMI Test Receiver	Keysight	N9038A	MY56400060	Feb. 28, 2021
7	Band Reject Filter	Wairwright Instruments Gmbh	WRCG 2400/2483-2375/2505-50 /10SS	16	Feb. 28, 2021

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

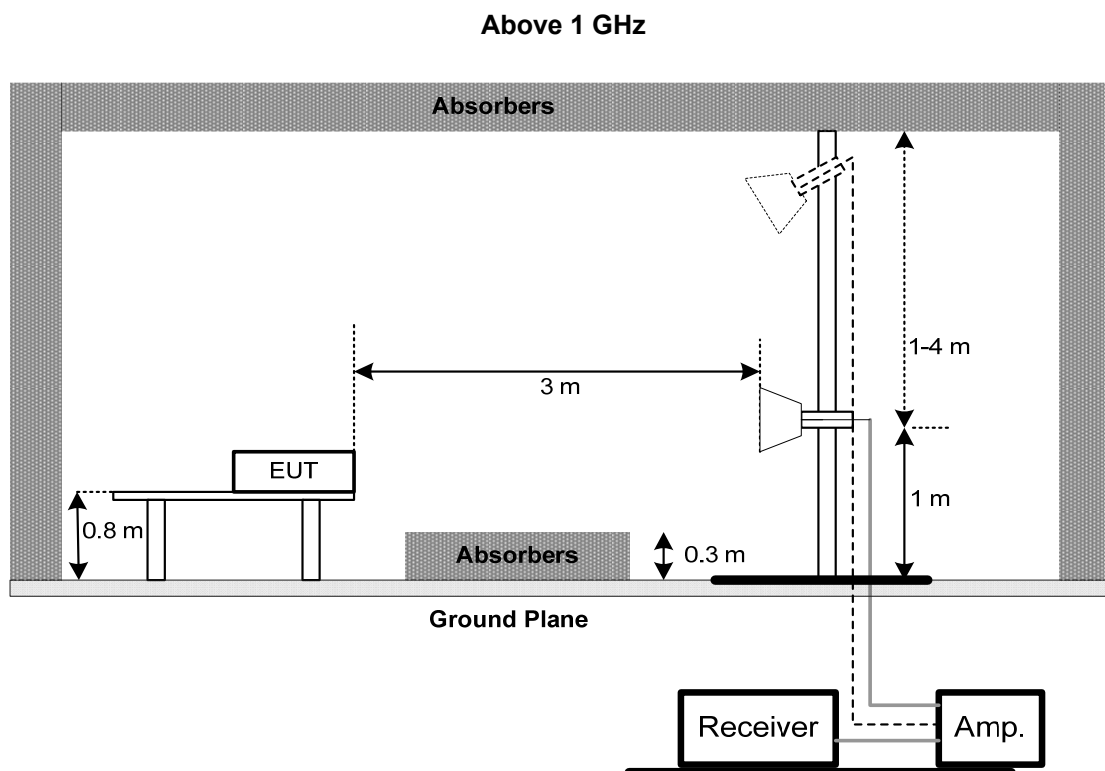
3.3.3 TEST PROCEDURE

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m, 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then AVG detector mode re-measured.
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.
- For the actual test configuration, please refer to the related Item - EUT Test Photos.

3.3.4 DEVIATION FROM TEST STANDARD

No deviation

3.3.5 TEST SETUP

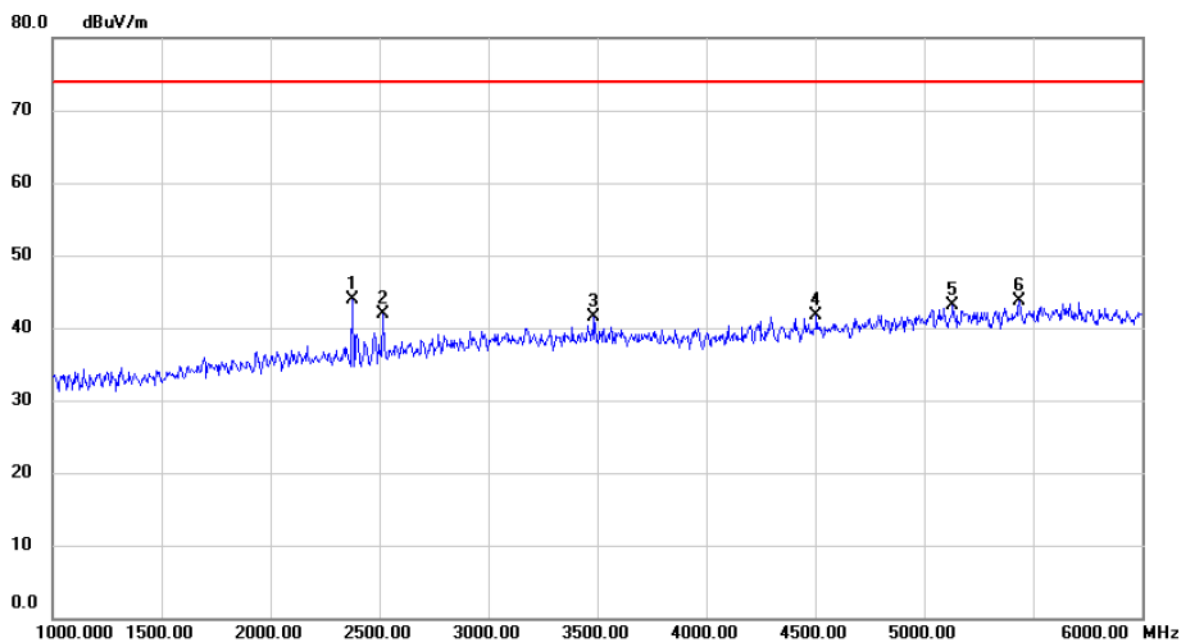


3.3.6 TEST RESULTS

Remark:

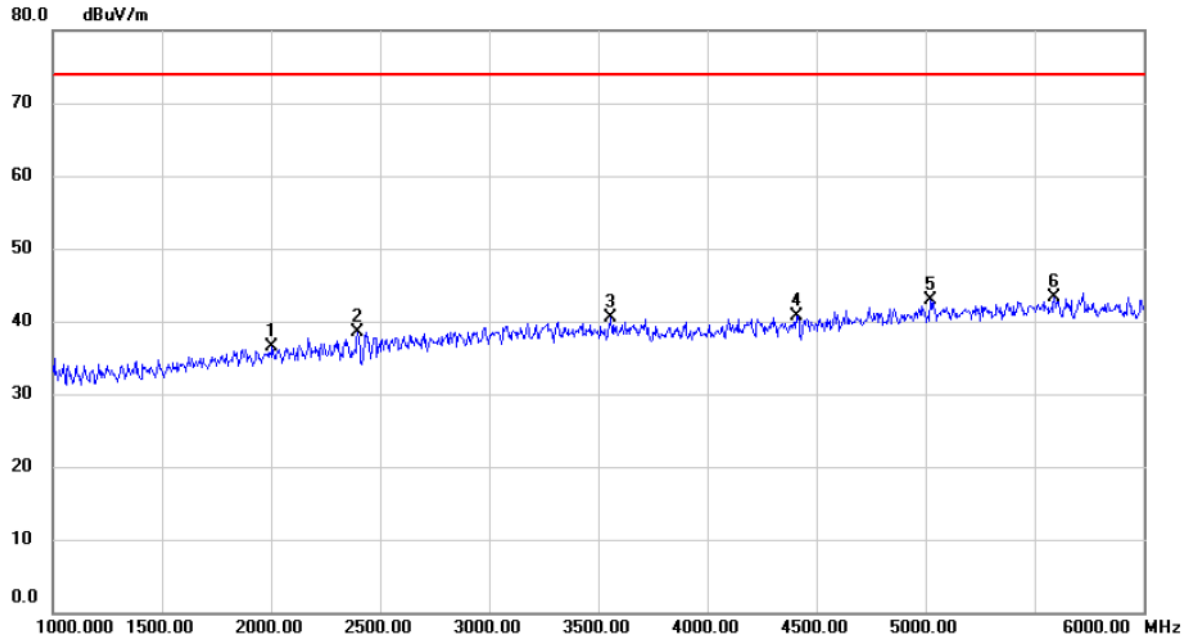
- (1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (2) Data of measurement within this frequency range shown “*” in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
- (3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

Test Voltage	AC 120V/60Hz	Polarization	Vertical (Peak)
Test Mode	Mode 1		



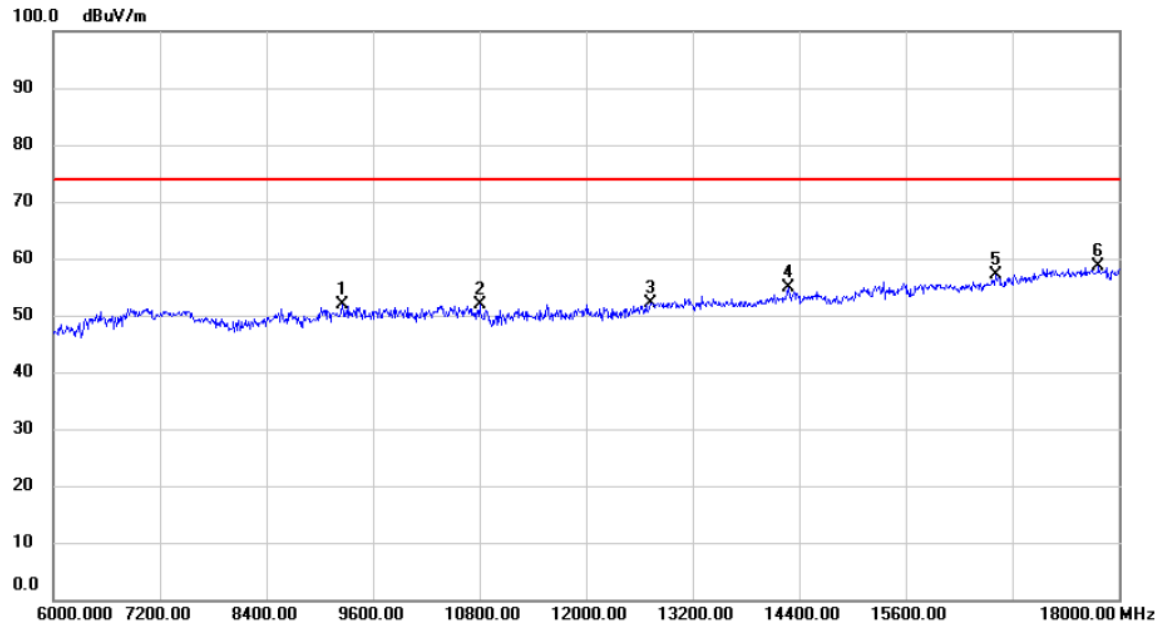
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2375.000	43.32	0.58	43.90	74.00	-30.10	peak	
2		2515.000	40.94	1.01	41.95	74.00	-32.05	peak	
3		3485.000	37.57	3.86	41.43	74.00	-32.57	peak	
4		4505.000	35.18	6.59	41.77	74.00	-32.23	peak	
5		5132.500	34.30	8.90	43.20	74.00	-30.80	peak	
6		5437.500	33.94	9.69	43.63	74.00	-30.37	peak	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal (Peak)
Test Mode	Mode 1		



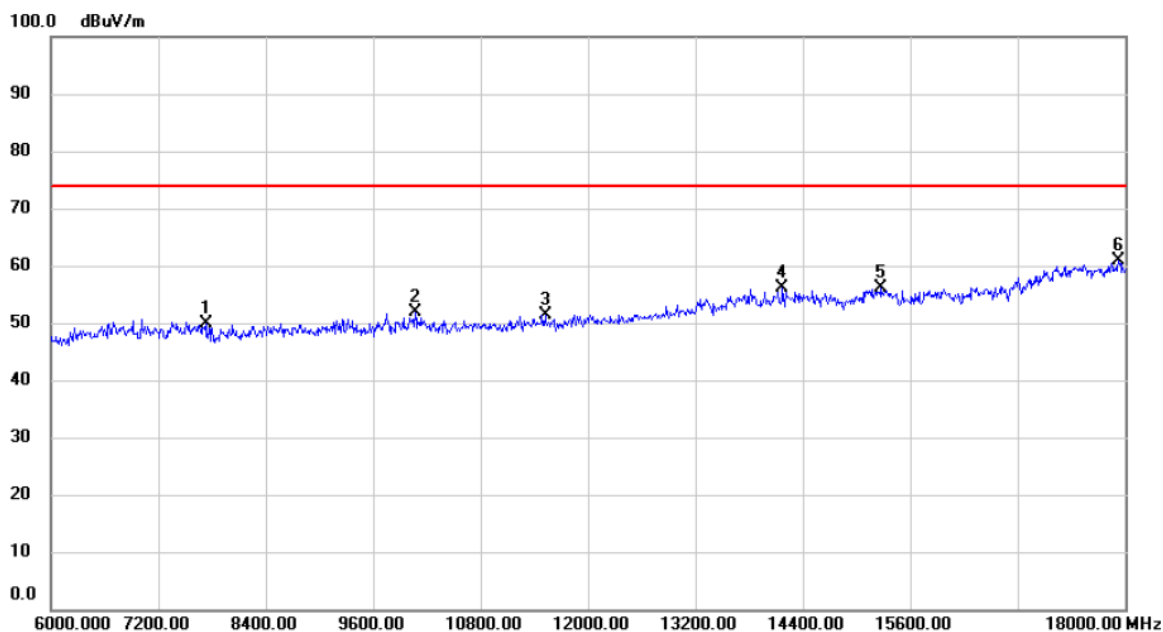
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2005.000	36.97	-0.52	36.45	74.00	-37.55	peak	
2		2397.500	37.91	0.64	38.55	74.00	-35.45	peak	
3		3555.000	36.58	3.99	40.57	74.00	-33.43	peak	
4		4407.500	34.52	6.25	40.77	74.00	-33.23	peak	
5		5022.500	34.32	8.61	42.93	74.00	-31.07	peak	
6	*	5590.000	33.33	9.93	43.26	74.00	-30.74	peak	

Test Voltage	AC 120V/60Hz	Polarization	Vertical (Peak)
Test Mode	Mode 1		



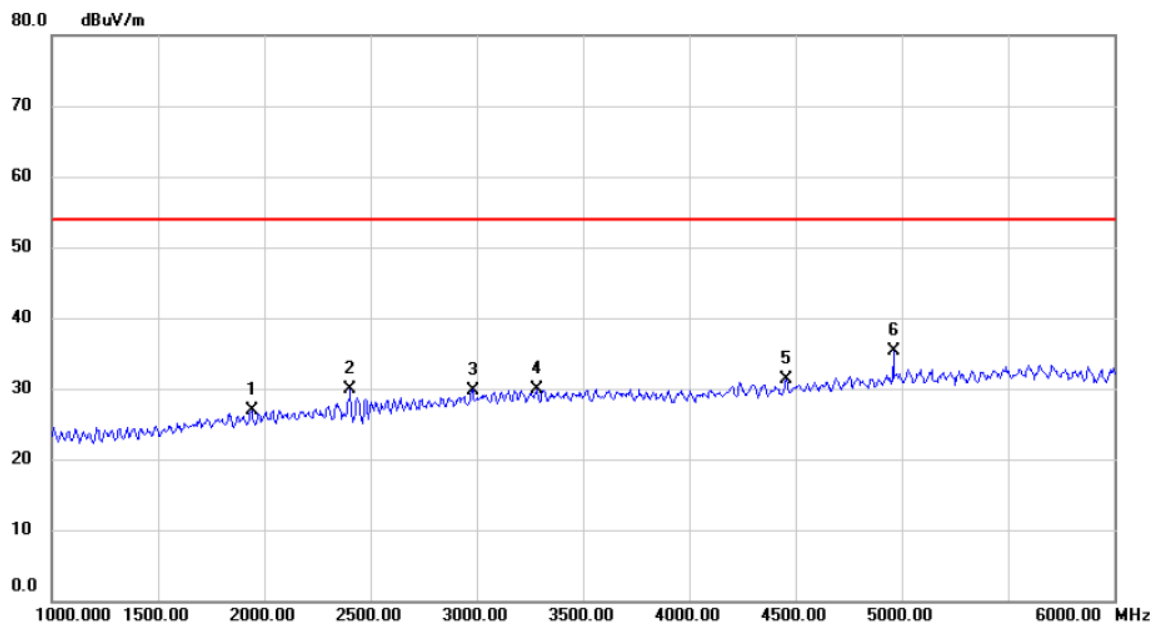
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		9252.000	39.11	12.78	51.89	74.00	-22.11	peak	
2		10800.00	38.14	13.81	51.95	74.00	-22.05	peak	
3		12732.00	36.22	15.86	52.08	74.00	-21.92	peak	
4		14280.00	35.71	19.17	54.88	74.00	-19.12	peak	
5		16620.00	38.06	19.01	57.07	74.00	-16.93	peak	
6	*	17772.00	36.54	22.16	58.70	74.00	-15.30	peak	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal (Peak)
Test Mode	Mode 1		



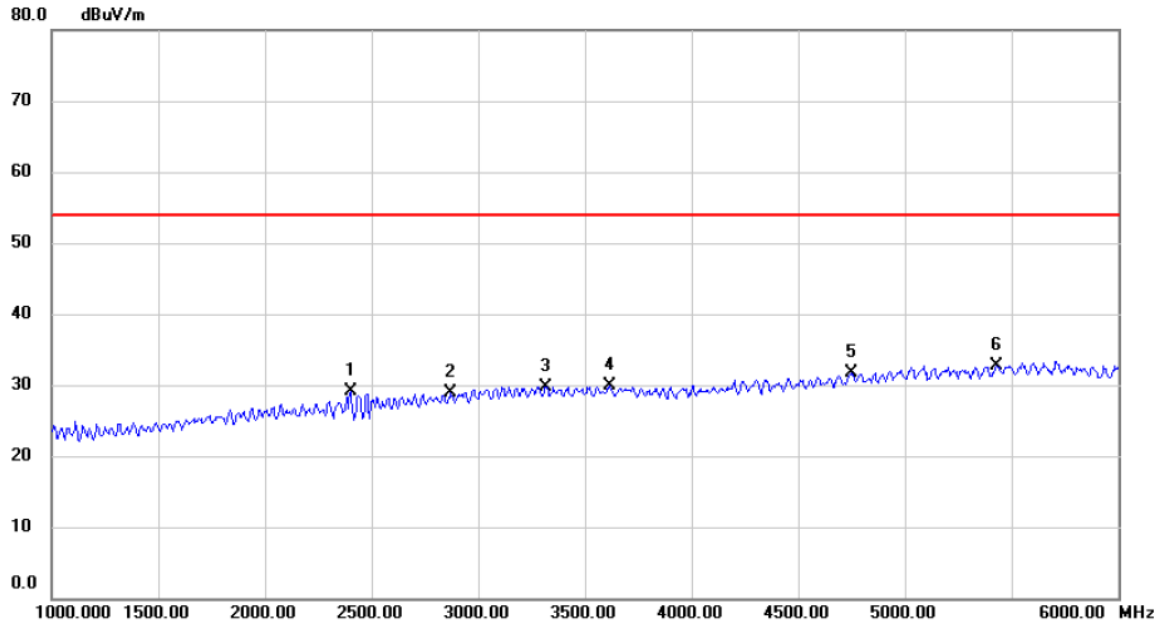
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7728.000	38.39	11.41	49.80	74.00	-24.20	peak	
2		10068.00	38.53	13.24	51.77	74.00	-22.23	peak	
3		11520.00	36.81	14.57	51.38	74.00	-22.62	peak	
4		14172.00	36.86	19.20	56.06	74.00	-17.94	peak	
5		15276.00	38.74	17.29	56.03	74.00	-17.97	peak	
6	*	17928.00	38.68	22.26	60.94	74.00	-13.06	peak	

Test Voltage	AC 120V/60Hz	Polarization	Vertical (Average)
Test Mode	Mode 1		



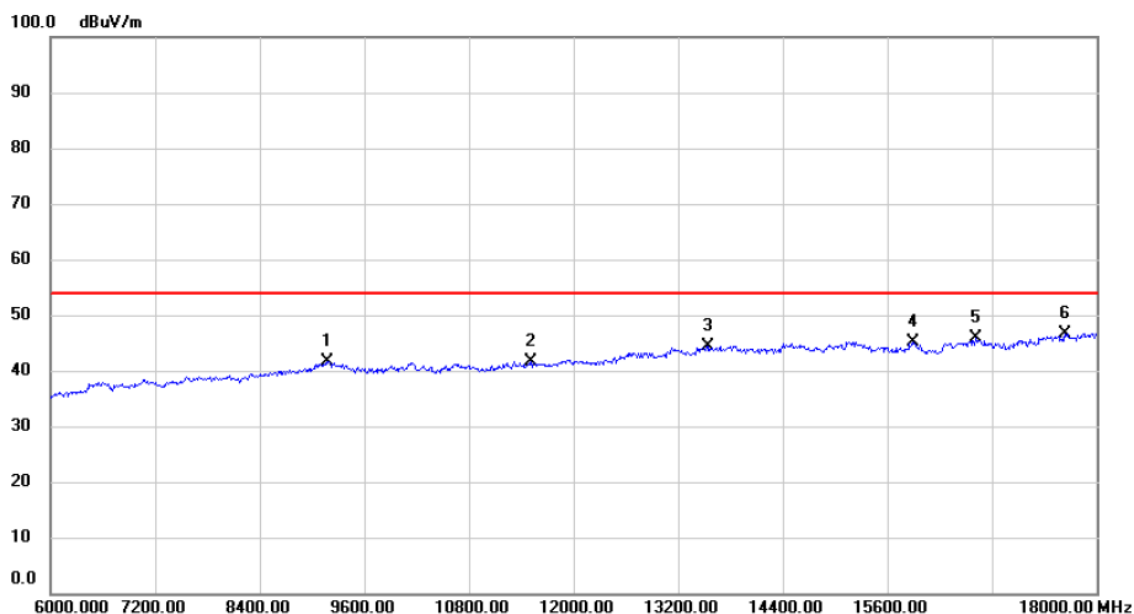
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1940.000	27.91	-0.91	27.00	54.00	-27.00	AVG	
2		2405.000	29.21	0.67	29.88	54.00	-24.12	AVG	
3		2980.000	26.95	2.85	29.80	54.00	-24.20	AVG	
4		3285.000	26.36	3.48	29.84	54.00	-24.16	AVG	
5		4455.000	24.84	6.41	31.25	54.00	-22.75	AVG	
6	*	4962.500	26.95	8.41	35.36	54.00	-18.64	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal (Average)
Test Mode	Mode 1		



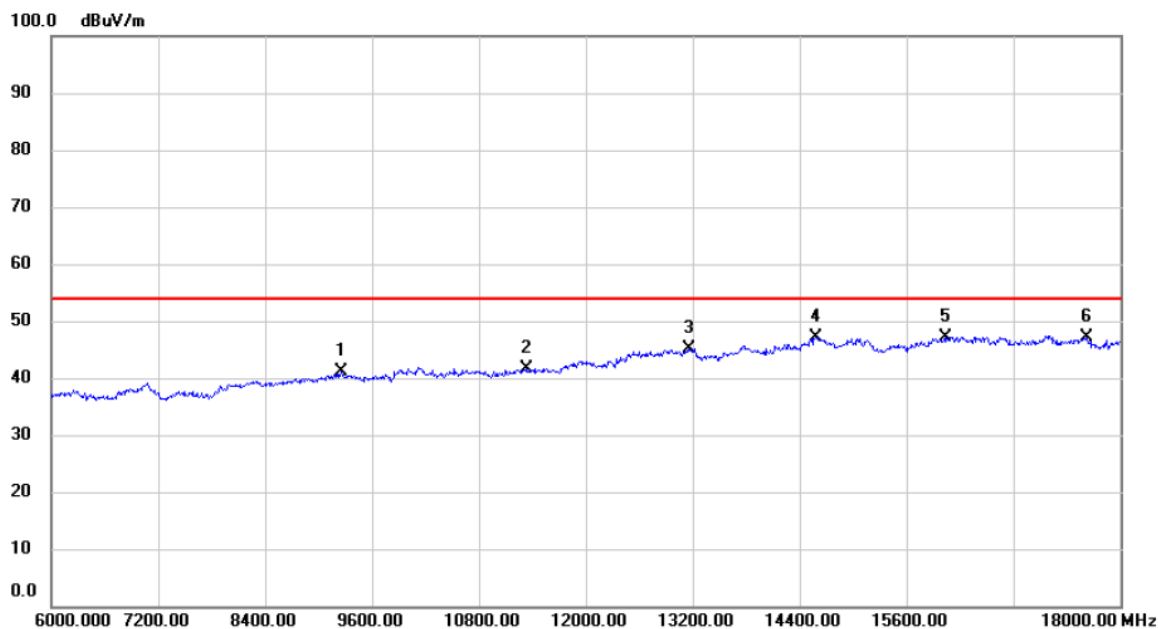
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2400.000	28.43	0.65	29.08	54.00	-24.92	AVG	
2	2870.000	26.52	2.40	28.92	54.00	-25.08	AVG	
3	3317.500	26.21	3.53	29.74	54.00	-24.26	AVG	
4	3617.500	25.75	4.12	29.87	54.00	-24.13	AVG	
5	4750.000	24.09	7.57	31.66	54.00	-22.34	AVG	
6 *	5430.000	23.04	9.67	32.71	54.00	-21.29	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Vertical (Average)
Test Mode	Mode 1		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		9168.000	28.82	12.78	41.60	54.00	-12.40	AVG	
2		11508.00	27.11	14.57	41.68	54.00	-12.32	AVG	
3		13548.00	26.58	17.89	44.47	54.00	-9.53	AVG	
4		15888.00	27.65	17.57	45.22	54.00	-8.78	AVG	
5		16620.00	26.76	19.01	45.77	54.00	-8.23	AVG	
6	*	17640.00	24.65	22.08	46.73	54.00	-7.27	AVG	

Test Voltage	AC 120V/60Hz	Polarization	Horizontal (Average)
Test Mode	Mode 1		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9252.000	28.28	12.78	41.06	54.00	-12.94	AVG	
2	11328.00	27.37	14.35	41.72	54.00	-12.28	AVG	
3	13152.00	28.11	17.00	45.11	54.00	-8.89	AVG	
4 *	14580.00	28.37	18.87	47.24	54.00	-6.76	AVG	
5	16032.00	29.40	17.78	47.18	54.00	-6.82	AVG	
6	17628.00	25.00	22.08	47.08	54.00	-6.92	AVG	

End of Test Report