

TEST REPORT
FEDERAL COMMUNICATIONS COMMISSION
FOR WIRELESS POWER TRANSFER

Report Number.....	ITA26B07001395W 001
Sample date.....	2026-07-17
Test date	2026-07-17 to 2026-08-21
Issue date	2026-08-21
Total number of pages	19
Standard/According to	FCC CFR Title 47 Part 15 Subpart C (ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024)
Template version	V2.0
Testing Laboratory	Itestek Testing Co., Ltd. (Dongguan)
Address	Room 116, Building 8 and Room 606, Building 3, Innovation Port of Hanyuwan, Liyuan Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518000, People's Republic of China
Tested by	Tom Zhang 
Checked by	Oliver Qiao 
Approved by	Joker Qi 
	
Applicant's name	Shenzhen Caibo Technology Co., Ltd.
Address	F4, Building 30, Fifth Industrial Zone, Huaide Cuigang Industrial Park, Fu Yong, Bao'an District, Shenzhen, China
Manufacturer's name.....	Same as applicant
Address	Same as applicant
Factory's name	Same as applicant
Address	Same as applicant
Trade Mark.....	/
Product description.....	Magnetic wireless charger
Model/Type reference.....	MG17, VDT-AL2B, ED74, T238-G
Ratings.....	Input: 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 3A; 15Vdc, 3A Wireless charging output: 5W, 7.5W, 10W, 15W, 25W
FCC ID	2AXTH-MG17
Test result.....	Pass

Declare:

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2. If the report without tester's signature, auditor's signature, approver's signature and inspection seal, the report is invalid.
3. The test results are valid only for the tested samples.
4. After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above relevant standards.
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

Testing laboratory:

Itestek Testing Co., Ltd. (Dongguan)

Room 116, Building 8 and Room 606, Building 3, Innovation Port of Hanyuwan, Liyuan Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518000, People's Republic of China

FCC designation number CN1436

A2LA has accredited, certificate Number 7609.01

1. Summary of test results

Requirement	CFR47 Section	Result
Antenna requirement	§15.203	Pass
AC Power Line Conducted Emission	§15.207	Pass
Spurious Emission	§15.209	Pass
Occupied Bandwidth	§15.215(c)	Pass

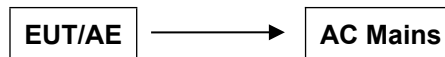
2. General test information

2.1. Description of EUT

Details of technical specification refer to the description in follows:

Test model number	MG17
Test sample number	A-001
Model different	All models are identical, except model number
Frequency range (Hz)	110.1K-205K Hz: output power 5W, 7.5W, 10W; 360K Hz: output power 15W, 25W
Modulation technique	ASK
Antenna type	Coil Antenna
Antenna gain	0 dBi
Temperature range (°C)	-10 ~40
Hardware version	V1.0
Software version	V1.0

Block diagram EUT configuration for test



2.2. Test modes

Mode	Test Status
1	AC Mains (120Vac, 60Hz) + Wireless charging of phone for output 5W (110.1K-205KHz)
2	AC Mains (120Vac, 60Hz) + Wireless charging of phone for output 7.5W (110.1K-205KHz)
3	AC Mains (120Vac, 60Hz) + Wireless charging of phone for output 10W (110.1K-205KHz)
4	AC Mains (120Vac, 60Hz) + Wireless charging of phone for output 15W (360KHz)
5	AC Mains (120Vac, 60Hz) + Wireless charging of phone for output 25W (360KHz)
6	AC Mains (120Vac, 60Hz) + Standby mode

Remark:

The aforementioned testing modes were all conducted under battery Status $\leq 1\%$ (full load), battery Status $\approx 50\%$ (half load), and battery Status $\geq 99\%$ (no load) conditions.

After testing, it was found that the test data under battery Status $\leq 1\%$ (full load) condition is the worst-case.

The report reflecting only the worst-case test data.

2.3. Test environment conditions

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

Temperature range (°C)	15-35
Humidity range (%)	30-75
Pressure range (kPa)	85-105

2.4. Test environment conditions

Item	Equipment	Mfr/Brand	Model / Type	Series No.	Note
1	Load	Apple	Iphone 17	--	Wireless charging of phone: 5W, 7.5W, 15W, 25W
2	Load	YBT	P V3.1-Qi2.2/MPP	--	Wireless charging of phone: 5W, 7.5W, 10W, 15W, 25W
3	XIAOMI Charge	XIAOMI	MDY-14-ED	--	Input: 100-240Vac, 50/60Hz, 3.0A Output: USB-C1/C2/C3 5Vdc, 3A; 9Vdc, 3A; 15Vdc, 3A; 11Vdc, 6.1A; 20Vdc, 5A; 20Vdc, 6A USB-A 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 2.25A
Remark: The test utilized XIAOMI Charge and the input voltage of XIAOMI Charge was 120Vac, 60Hz.					

2.5. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.30 dB
Uncertainty for Radiation Emission test for 30MHz to 1GHz	4.12 dB (Polarize: V)
	4.54 dB (Polarize: H)
Uncertainty for Radiation Emission test for 9KHz to 30Mhz	4.11 dB (Polarize: V)
	4.15 dB (Polarize: H)
Radio Frequency	±20Hz

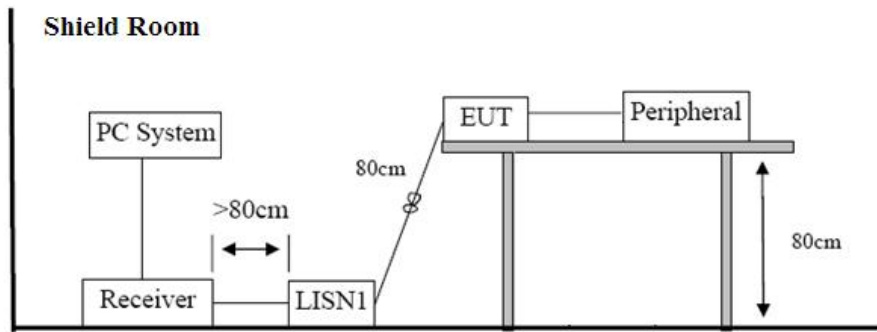
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Disturbance voltages (Mains terminals)

3.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Deadline
1	Test receiver	R&S	ESPI	100108	2026-03-18	2027-03-17
2	LISN	Schwarzbeck	NSLK8127	005092	2026-01-05	2027-01-04
3	Limiter	Schwarzbeck	VTSD9561 F-N	000918	2026-01-05	2027-01-04
3	LISN	Schwarzbeck	NSLK8127	8127432	2025-11-19	2026-11-18
4	RF cable	Huber	LEX30	/	2026-01-05	2027-01-04
6	Measurement software	Tongscent	TS+ (V:1.0)	N/A	N/A	N/A

3.2 Block diagram of test setup



3.3 Limits for conducted disturbance at the mains ports

Frequency	At mains terminals (dB μ V)	
	Quasi-peak Level	Average Level
150k-0.5MHz	66 ~ 56*	56 ~ 46*
0.5M-5.0MHz	56	46
5.0M-30.0MHz	60	50

Note1: Decreasing linearly with logarithm of frequency.

Note2: The lower limit shall apply at the transition frequencies.

3.4 Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). It provides a 50 ohm / 50 μ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm / 50 μ H coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photograph.)

Both sides of AC line are checked for the maximum conducted emission interference. In order to find the maximum emissions, the relating positions of equipment and all of the interference cables must be changed according to FCC PART 15 regulation: The measurement procedure on conducted emission interference.

The resolution bandwidth of the field strength meter is set at 9 KHz.

3.5 Test Result (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

Note 2: Margin = Limit - Level.

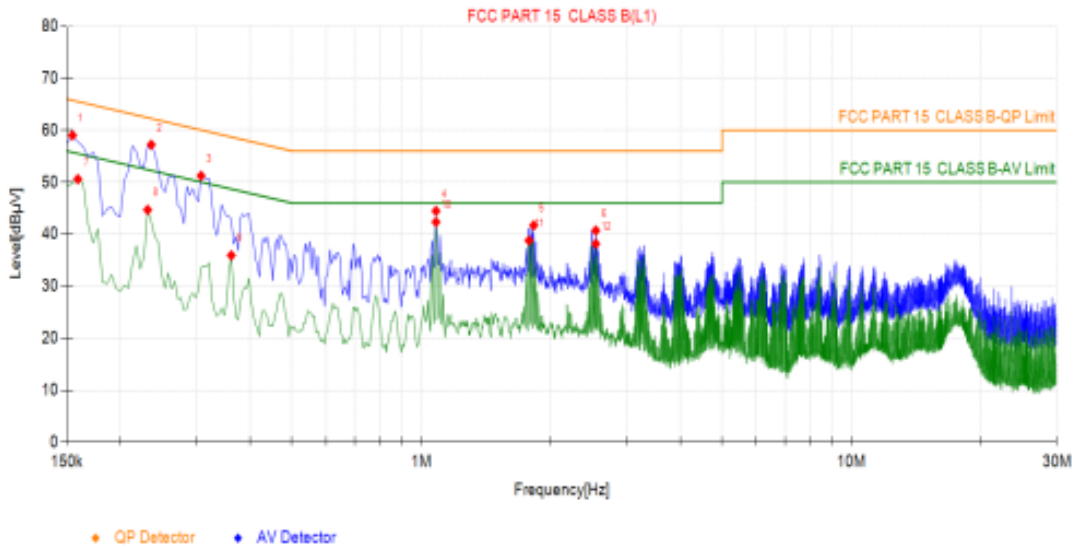
Itestek Testing Co., Ltd. (Dongguan)

Room 116, Building 8 and Room 606, Building 3, Innovation Port of Hanyuwan, Liyuan Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518000, People's Republic of China

Test mode 5

Start of Test:2026-08-13 09:16:54

Test Graph

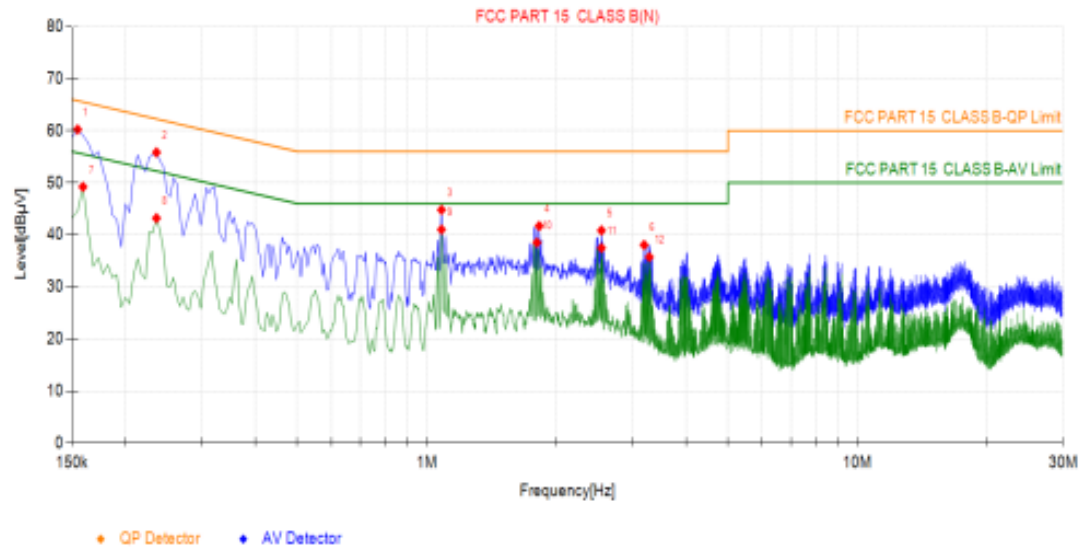


Suspected List							
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector	Verdict
1	0.1545	59.01	10.74	65.75	6.74	QP	PASS
2	0.2355	57.21	10.80	62.25	5.04	QP	PASS
3	0.3075	51.24	10.84	60.04	8.80	QP	PASS
4	1.0815	44.47	10.93	56.00	11.53	QP	PASS
5	1.824	41.69	10.96	56.00	14.31	QP	PASS
6	2.544	40.70	11.00	56.00	15.30	QP	PASS
7	0.159	50.59	10.74	55.52	4.93	AV	PASS
8	0.231	44.68	10.79	52.41	7.73	AV	PASS
9	0.3615	35.93	10.85	48.69	12.76	AV	PASS
10	1.0815	42.35	10.93	46.00	3.65	AV	PASS
11	1.779	38.79	10.96	46.00	7.21	AV	PASS
12	2.544	38.16	11.00	46.00	7.84	AV	PASS

Test mode 5

Start of Test:2026-08-13 09:20:29

Test Graph



Suspected List							
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector	Verdict
1	0.1545	60.23	10.70	65.75	5.52	QP	PASS
2	0.2355	55.83	10.75	62.25	6.42	QP	PASS
3	1.0815	44.79	10.93	56.00	11.21	QP	PASS
4	1.824	41.68	10.94	56.00	14.32	QP	PASS
5	2.544	40.83	10.96	56.00	15.17	QP	PASS
6	3.1965	38.04	10.98	56.00	17.96	QP	PASS
7	0.159	49.21	10.70	55.52	6.31	AV	PASS
8	0.2355	43.19	10.75	52.25	9.06	AV	PASS
9	1.0815	41.01	10.93	46.00	4.99	AV	PASS
10	1.8015	38.51	10.94	46.00	7.49	AV	PASS
11	2.544	37.46	10.96	46.00	8.54	AV	PASS
12	3.2865	35.73	10.99	46.00	10.27	AV	PASS

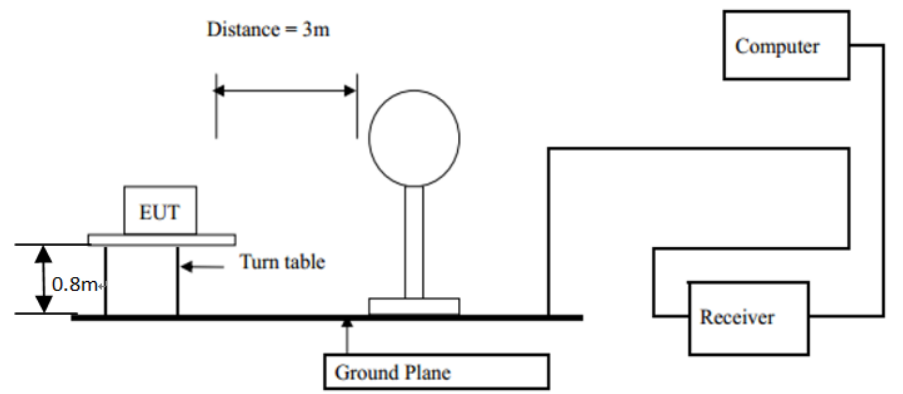
4. Radiated disturbance test

4.1 Test equipment

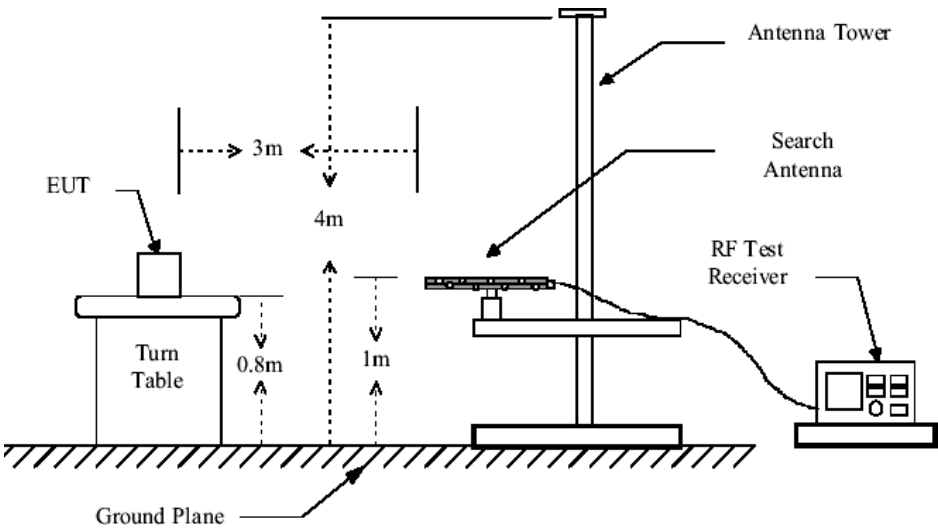
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Deadline
1	EMI test receiver	R&S	ESCI 7	100969	2026-01-05	2027-01-04
2	Trilog broadband antenna	Schwarzbeck	VULB9168	01326	2026-03-21	2027-03-20
3	Pre-amplifier	R&S	TAP9K3G32	AP211806164	2026-01-05	2027-01-04
4	RF Cable	Huber	LEX15	N/A	2026-01-05	2027-01-04
5	RF Cable	Huber	LEX100	N/A	2026-01-05	2027-01-04
6	Loop Antenna	Teseq	HLA6121	58357	2025-11-19	2026-11-18
7	6dB attenuator	Teseqametek	LE263	60581	2026-01-05	2027-01-04
8	Measurement software	Tongscent	TS+ (V:1.0)	N/A	N/A	N/A

4.2 Block diagram of test setup

For radiated emissions below 30MHz



For radiated emissions 30MHzto 1GHz



4.3 Radiated disturbance limit

Frequency	Measurement (micro volts/meter) Distance(meters)	Field Strength
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

4.4 Test Procedure

The EUT and its simulators are placed on turn table, non-conductive and wooden table, which is 0.8 meter above ground. The turn table rotates 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that distance from antenna to the EUT is 3 meters. For the frequency range is above 1 GHz, the EUT was positioned such that distance from antenna to the EUT is 3 meters.

The antenna is moved up and down between 1 meter to 4 meters to receive the maximum emission level. below 30MHz, The antenna is 1meter.

Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission, all of the interference cables must be manipulated according to FCC PART 15 regulation: the test procedure of the radiated emission measurement.

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
9kHz-150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90KHz, 110-490KHz and above1000MHz. Radiated emission limits in the set here bands are based on measurements employing an average detector.

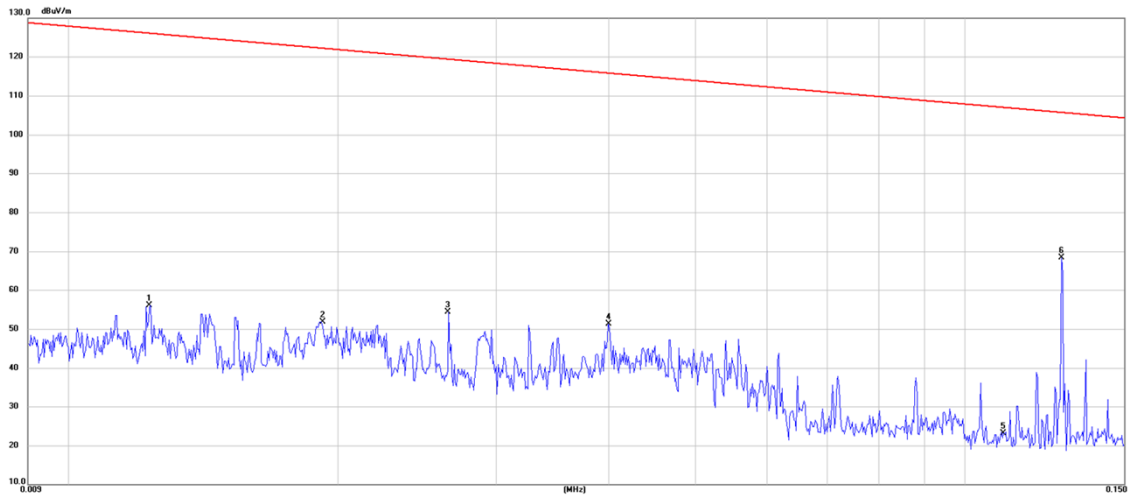
4.5 Test result (See below detailed test result)

See below detailed test result

Note 1: All emissions not reported below are too low against the prescribed limits.

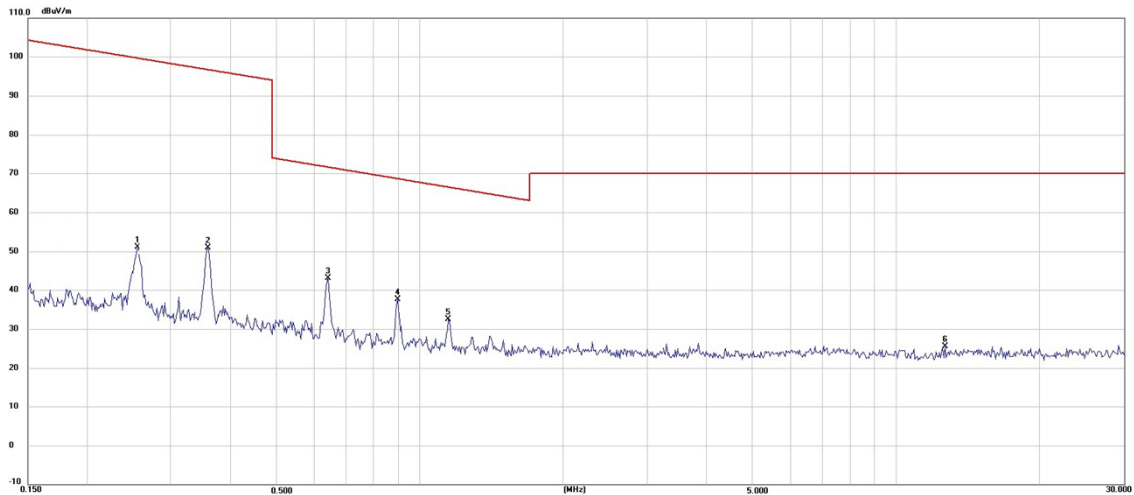
Note 2: Factor = Antenna Factor + Cable Loss – Amp Factor, Margin = Level- Limit (for 9K-30M Hz), QP Margin = QP Limit – QP Value (for 30M-1G Hz)

Test mode 5



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	0.0123	36.12	19.93	56.05	126.08	-70.03	QP	100	360	
2	0.0192	31.44	20.36	51.80	122.20	-70.40	QP	100	360	
3	0.0265	34.52	19.88	54.40	119.40	-65.00	QP	100	360	
4	0.0400	31.72	19.66	51.38	115.81	-64.43	QP	100	360	
5	0.1102	3.73	19.51	23.24	106.99	-83.75	QP	100	360	
6 *	0.1280	48.82	19.50	68.32	105.69	-37.37	QP	100	360	

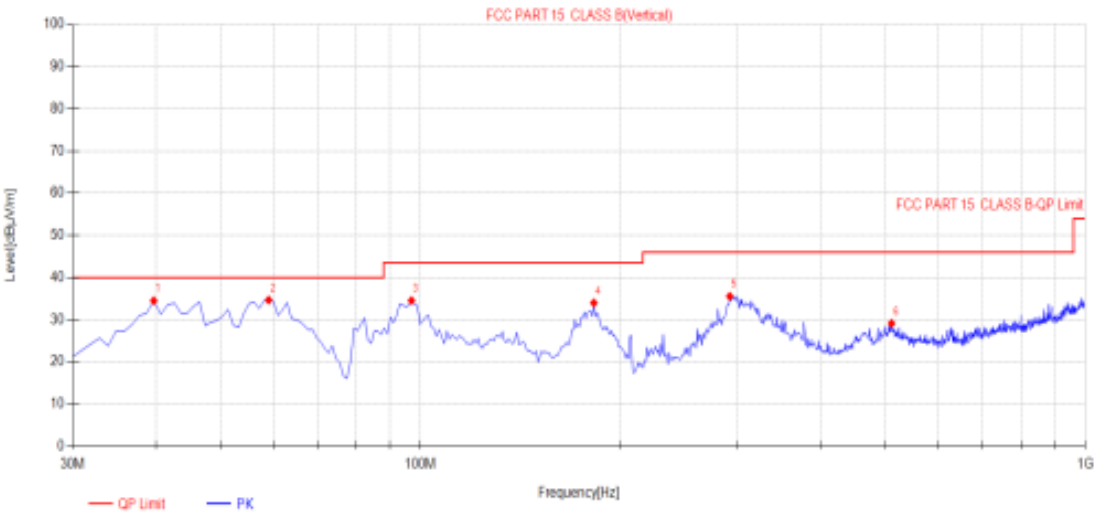
Test mode 5



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	0.2556	31.73	19.39	51.12	99.67	-48.55	QP	100	0	
2	0.3607	31.55	19.44	50.99	97.77	-46.78	QP	100	0	
3 *	0.6414	23.55	19.48	43.03	71.62	-28.59	QP	100	0	
4	0.8980	17.96	19.69	37.65	68.66	-31.01	QP	100	0	
5	1.1496	12.96	19.60	32.56	66.48	-33.92	QP	100	0	
6	12.6573	5.39	20.08	25.47	70.00	-44.53	QP	100	0	

Test mode 5

Start of Test: 2026-08-12 19:28:09
Test Graph

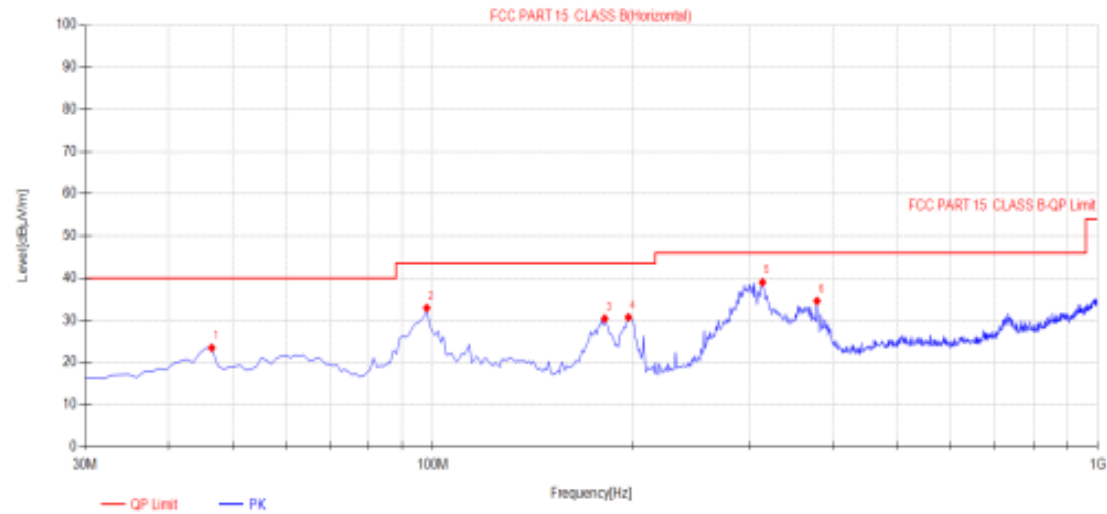


Suspected Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.7	-13.04	34.51	40.00	5.49	100	176	Vertical
2	59.1	-13.64	34.68	40.00	5.32	100	129	Vertical
3	96.93	-17.00	34.56	43.50	8.94	100	35	Vertical
4	182.29	-15.97	34.00	43.50	9.50	100	123	Vertical
5	291.9	-10.40	35.56	46.00	10.44	100	317	Vertical
6	511.12	-5.69	29.13	46.00	16.87	100	317	Vertical

Test mode 5

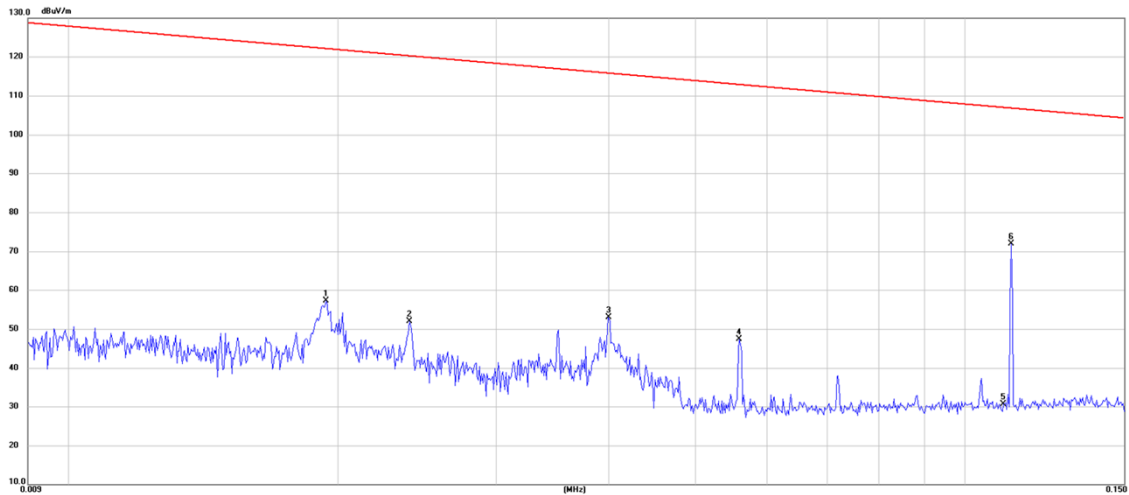
Start of Test: 2026-08-12 19:31:01

Test Graph



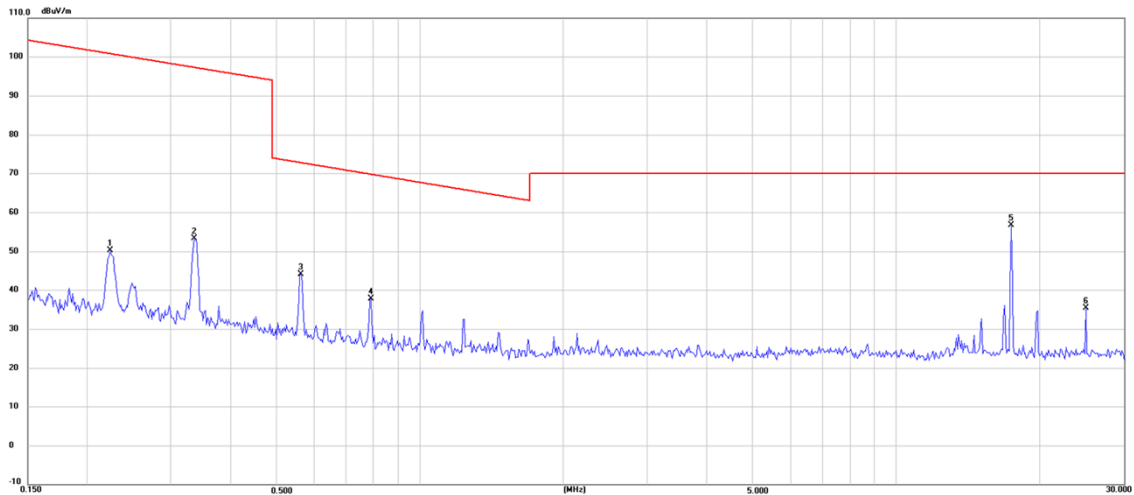
Suspected Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	46.49	-12.99	23.48	40.00	16.52	200	353	Horizontal
2	97.9	-16.93	32.93	43.50	10.57	200	50	Horizontal
3	181.32	-16.00	30.40	43.50	13.10	200	90	Horizontal
4	196.84	-15.40	30.72	43.50	12.78	200	243	Horizontal
5	313.24	-9.12	39.01	46.00	6.99	100	68	Horizontal
6	378.23	-8.39	34.59	46.00	11.41	100	143	Horizontal

Test mode 3



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	0.0194	36.93	20.37	57.30	122.11	-64.81	QP	100	0	
2	0.0240	31.86	20.09	51.95	120.26	-68.31	QP	100	0	
3	0.0400	33.41	19.66	53.07	115.81	-62.74	QP	100	0	
4	0.0559	28.01	19.46	47.47	112.90	-65.43	QP	100	0	
5	0.1102	11.26	19.51	30.77	106.99	-76.22	QP	100	0	
6 *	0.1139	52.52	19.51	72.03	106.77	-34.84	QP	100	0	

Test mode 3

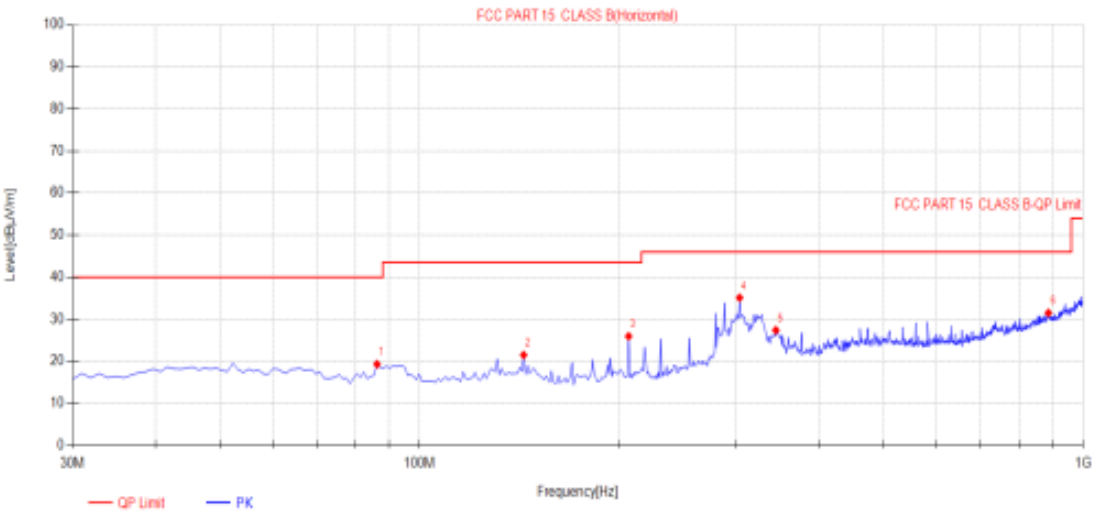


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	0.2241	30.86	19.42	50.28	100.81	-50.53	QP	100	360	
2	0.3367	33.89	19.39	53.28	97.27	-43.99	QP	100	360	
3	0.5619	24.72	19.47	44.19	72.79	-28.60	QP	100	360	
4	0.7881	18.28	19.58	37.86	69.81	-31.95	QP	100	360	
5 *	17.4287	36.61	20.16	56.77	70.00	-13.23	QP	100	360	
6	24.9552	15.07	20.28	35.35	70.00	-34.65	QP	100	360	

Test mode 3

Start of Test: 2026-08-21 13:34:49

Test Graph

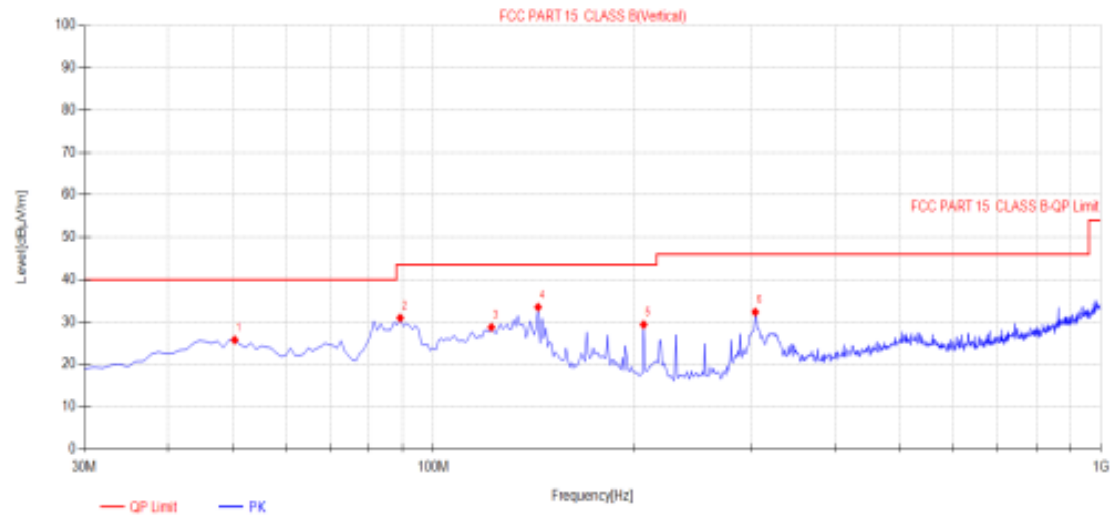


Suspected Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	86.26	-17.58	19.32	40.00	20.68	200	148	Horizontal
2	143.49	-13.69	21.50	43.50	22.00	200	263	Horizontal
3	206.54	-14.95	25.96	43.50	17.54	100	224	Horizontal
4	303.54	-9.23	35.12	46.00	10.88	100	144	Horizontal
5	344.28	-8.77	27.41	46.00	18.59	100	218	Horizontal
6	886.51	0.90	31.52	46.00	14.48	100	170	Horizontal

Test mode 3

Start of Test: 2026-08-21 13:37:17

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.37	-13.03	25.77	40.00	14.23	100	270	Vertical
2	89.17	-17.52	30.96	43.50	12.54	100	95	Vertical
3	122.15	-14.55	28.77	43.50	14.73	100	339	Vertical
4	143.49	-13.69	33.51	43.50	9.99	100	243	Vertical
5	206.54	-14.95	29.38	43.50	14.12	100	352	Vertical
6	303.54	-9.23	32.35	46.00	13.65	100	284	Vertical

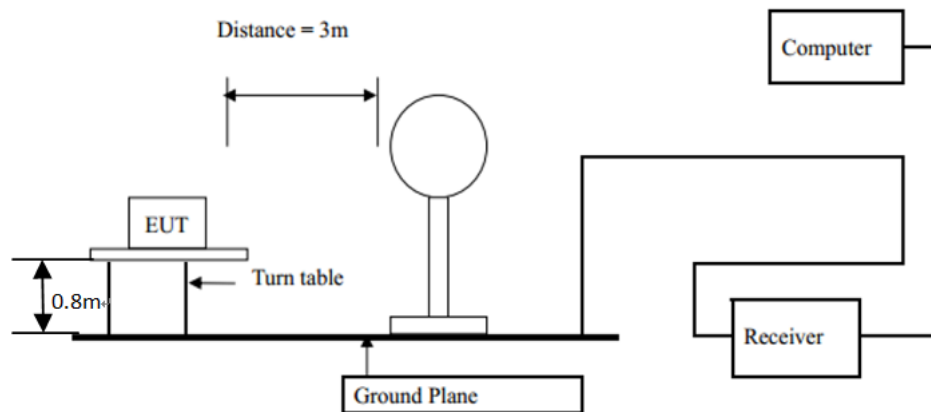
5. Occupied Bandwidth

5.1 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Deadline
1	EMI test receiver	R&S	ESCI 7	100969	2026-01-05	2027-01-04
2	Loop antenna	TESEQ	HLA6121	58357	2026-01-05	2027-01-04
3	Trilog broadband antenna	Schwarzbeck	VULLB9168	01326	2026-03-21	2027-03-20
4	Pre-amplifier	R&S	TAP9K3G32	AP211806164	2026-01-05	2027-01-04
5	RF cable	HUBER	LEX15	N/A	2026-01-05	2027-01-04
6	RF cable	HUBER	LEX100	N/A	2026-01-05	2027-01-04

5.2 Block diagram of test setup

For radiated emissions below 30MHz



5.3 Test Procedure

According to the above Test-setup, keep the relative position between the artificial antenna and the EUT.

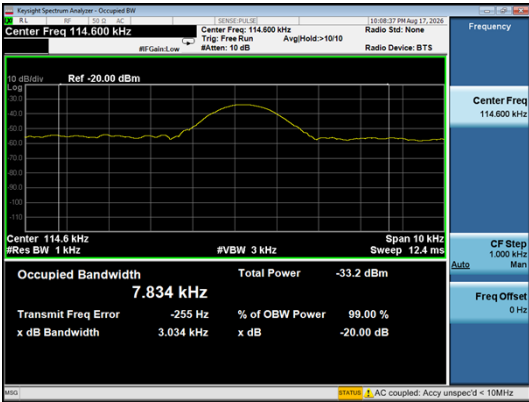
Set to the maximum power setting and enable the EUT transmit continuously.

Use the following spectrum analyzer settings for 20dB Bandwidth measurement.

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW $\geq$ 1% of the 20 dB bandwidth; VBW $\geq$ RBW; Sweep=auto; Detector function= peak; Trace = max hold.

Measurements record the results in the test report.

5.4 Test result

Test mode	Frequency (KHz)	20dB bandwidth (KHz)	Test detail	Result
5	360.3	12.39		Pass
3	114.6	3.034		Pass