

TEST REPORT
FEDERAL COMMUNICATIONS COMMISSION
FOR WIRELESS POWER TRANSFER

Report Number.....	ITA26B07001347W 001
Test date	2026-07-20 to 2026-08-24
Issue date	2026-08-24
Total number of pages	18
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)
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Applicant's name	Shenzhen Powerqi Technology Co., Ltd
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Manufacturer's name.....	Same as applicant
Address	Same as applicant
Factory's name	Same as applicant
Address	Same as applicant
Trade Mark.....	N/A
Product description	Wireless Car Charger
Model/Type reference.....	MQ08
Ratings.....	For Wireless Car Charger Input: 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 2.5A; 15Vdc, 2A Output: 25W Max For car charger (model XY-DD035001) Input: 12-24Vdc Output: 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 3A
FCC ID.....	2AFP2MQ08
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 FCC 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:

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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	N/A
Spurious Emission	§15.209	PASS
Occupied Bandwidth	§15.215(c)	PASS

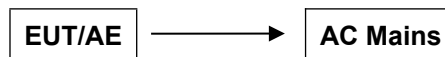
2. General test information

2.1. Description of EUT

Details of technical specification refer to the description in follows:

Test model number	MQ08
Model different	/
Frequency range (Hz)	111K-205K,360K
Modulation technique	FSK
Antenna type	Coil Antenna
Antenna gain	1 dBi
Temperature range (°C)	-20 ~ 80
Hardware version	V1.0
Software version	V1.0

Block diagram EUT configuration for test



2.2. Test modes

Mode	Test Status
1	AC Mains + Mobile phone charging mode for output 5W (111K-205K Hz)
2	AC Mains + Mobile phone charging mode for output 7.5W (111K-205KHz)
3	AC Mains + Mobile phone charging mode for output 10W (111K-205KHz)
4	AC Mains + Mobile phone charging mode for output 15W (360KHz)
5	AC Mains + Mobile phone charging mode for output 25W (360KHz)
6	AC Mains + standby

Worst case statement:

The aforementioned testing modes were all conducted under Battery Status: ≤1% (full load), Battery Status: ≈50% (half load), and Battery Status: ≥99% (no load) conditions.

After testing, it was found that the test data under 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	HUAWEI Super Charge	Huawei	HW-2005C02	--	Input: 100-240Vac, 50/60Hz, 2.4A Output: USB-C 5Vdc, 3A; 9Vdc, 3A; 10Vdc, 4A; 11Vdc, 6A; 12Vdc, 3A; 15Vdc, 3A; 20Vdc, 5A; USB-A 5Vdc, 2A; 10Vdc, 4A; 11Vdc, 6A; 20Vdc, 5A
Remark: The test utilized HUAWEI Super Charge, and the input voltage of HUAWEI Super 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

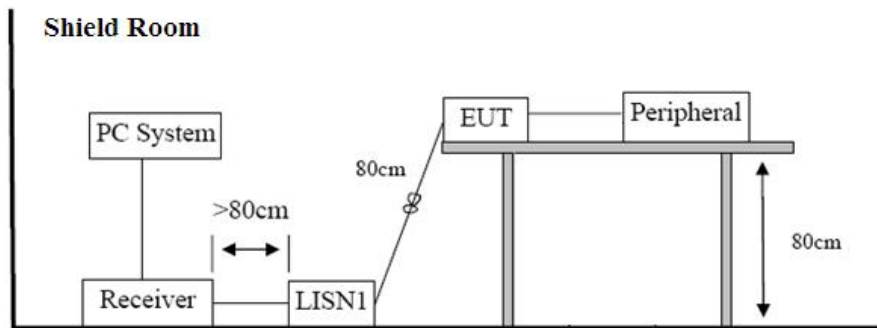
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Disturbance voltages (Mains terminals)

3.1 Test equipment

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

The power supply source of the equipment is the car charger, which in turn is powered by a DC main.
Therefore, this test is not necessary.

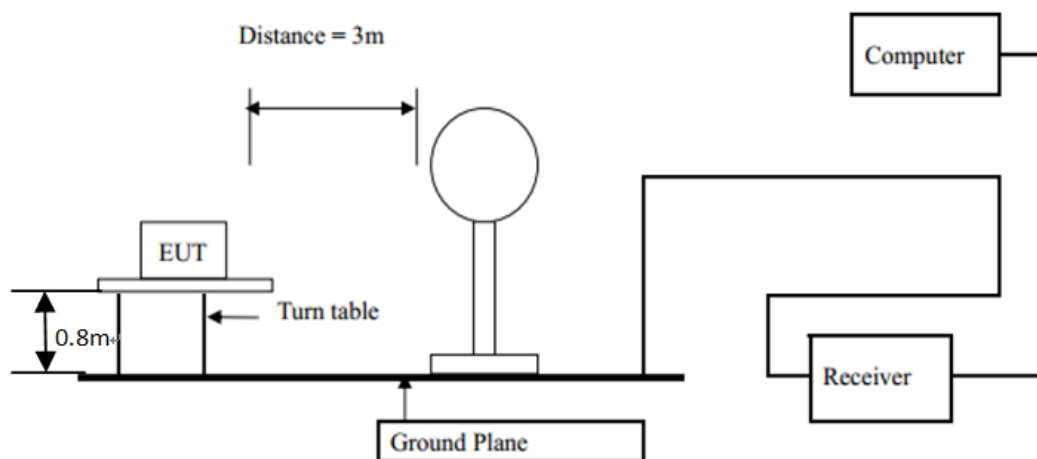
4. Radiated disturbance test

4.1 Test equipment

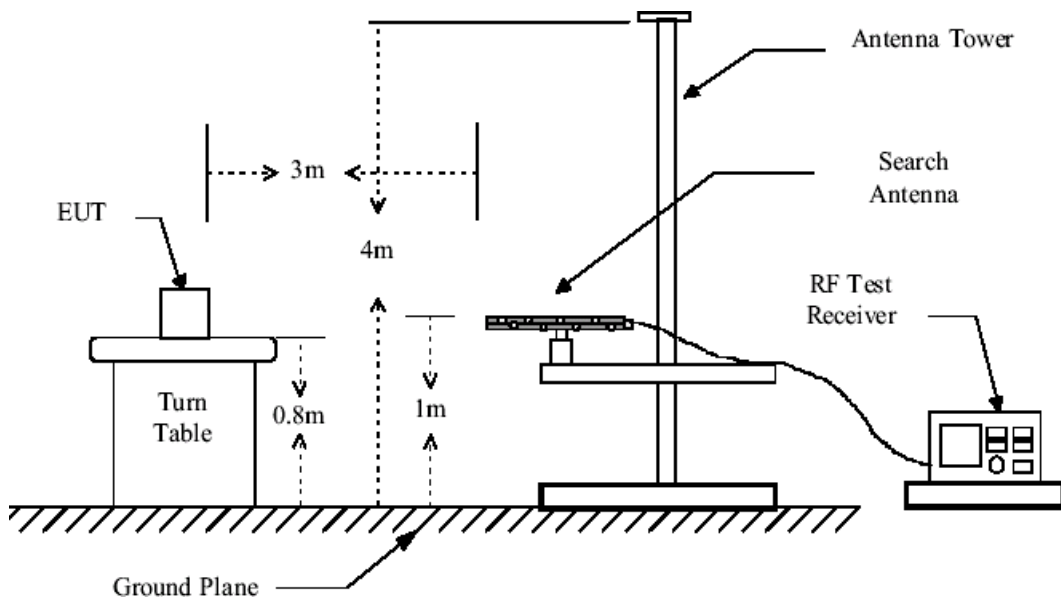
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI test receiver	R&S	ESCI 7	100969	2027-01-04
2	Trilog broadband antenna	Schwarzbeck	VULB9168	01326	2027-03-20
3	Pre-amplifier	R&S	TAP9K3G32	AP211806164	2027-01-04
4	RF Cable	Huber	LEX15	N/A	2027-01-04
5	RF Cable	Huber	LEX100	N/A	2027-01-04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

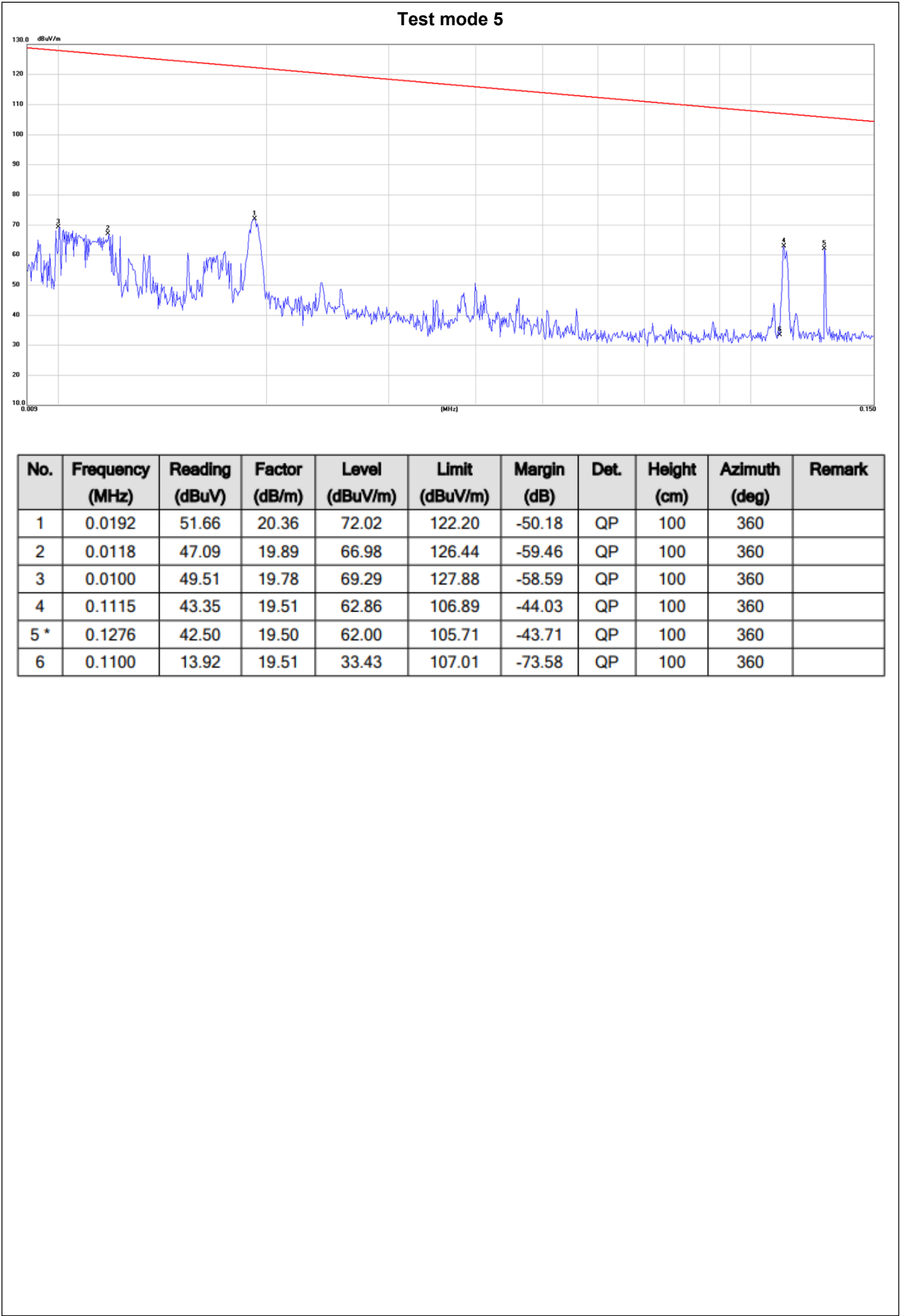
Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 KHz, 110-490KHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

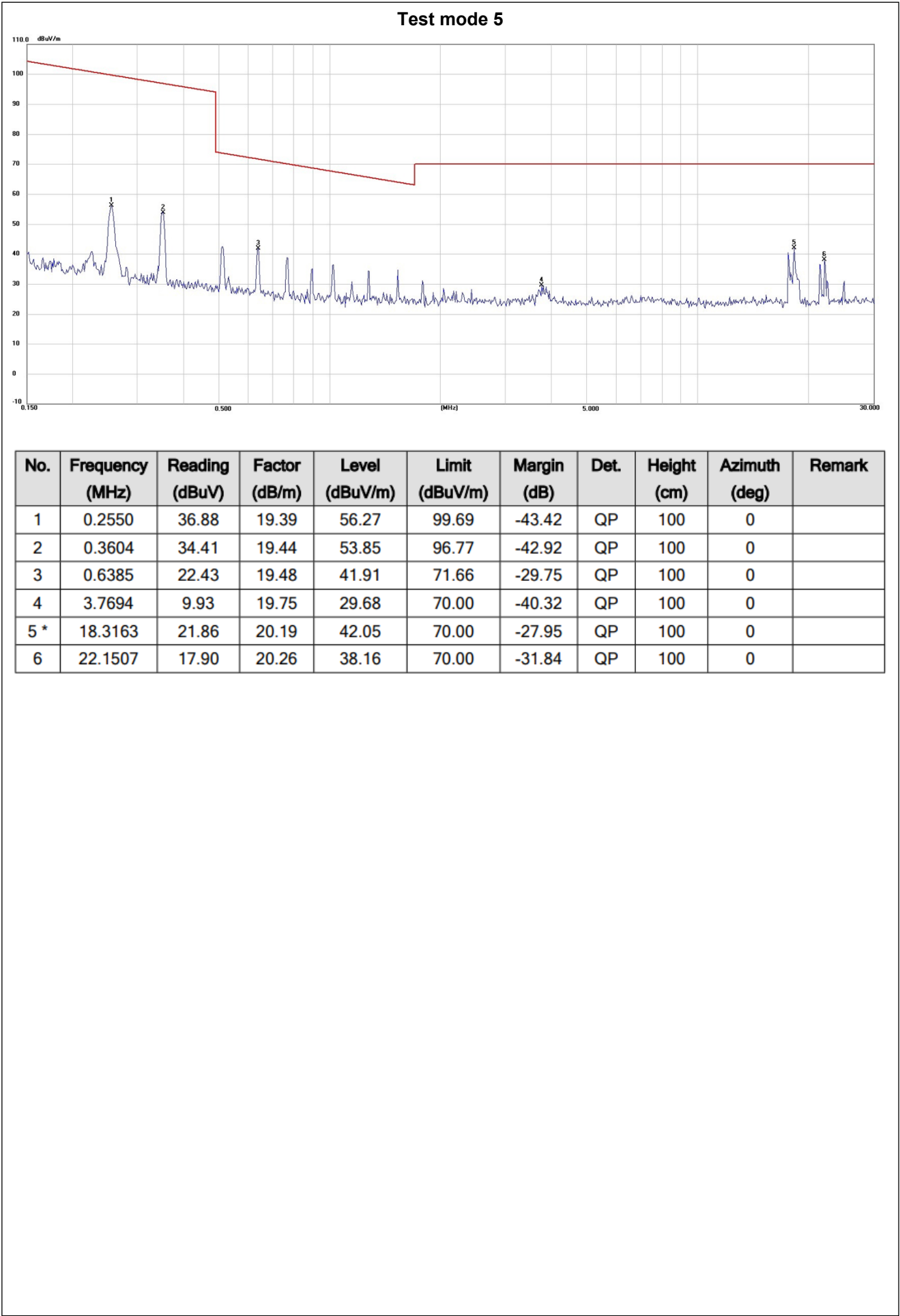
4.5 Test result (See below detailed test result)

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 = Limit – Level

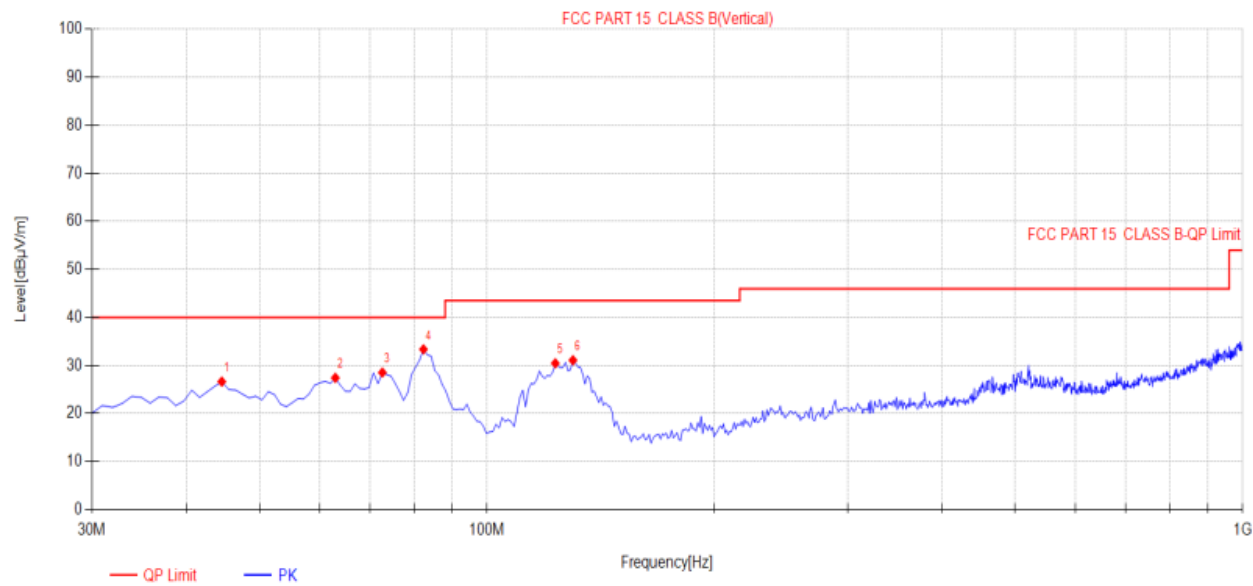




Test mode 5

Start of Test: 2026-08-20 21:44:58

Test Graph



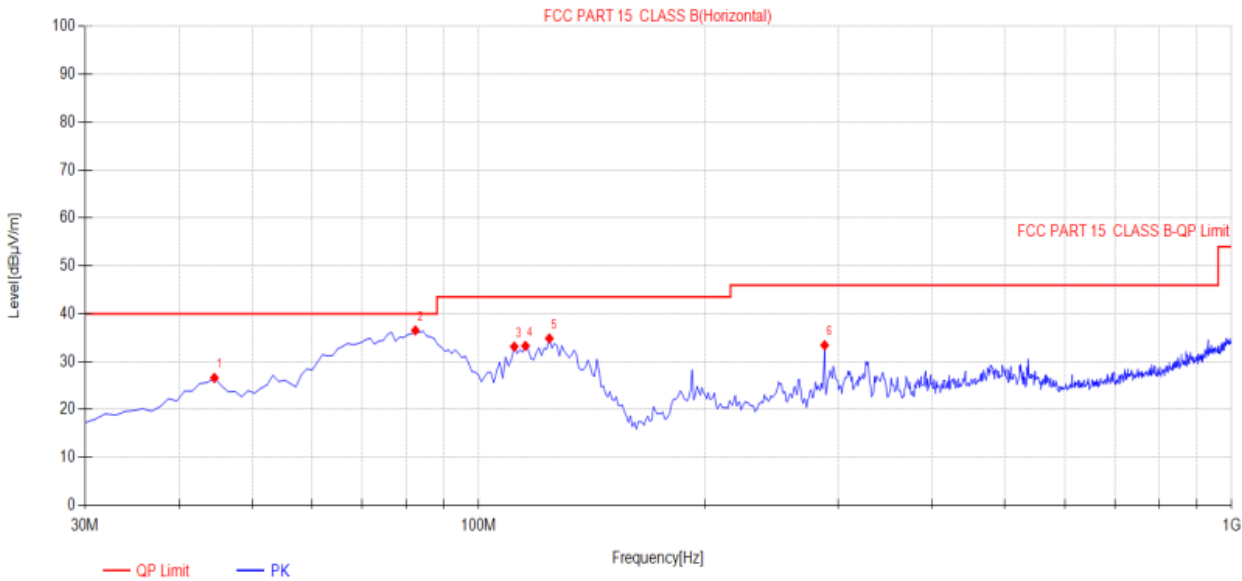
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.55	-12.99	26.65	40.00	13.35	100	357	Vertical
2	62.98	-14.04	27.44	40.00	12.56	100	196	Vertical
3	72.68	-15.59	28.54	40.00	11.46	100	196	Vertical
4	82.38	-17.67	33.37	40.00	6.63	100	204	Vertical
5	123.12	-14.48	30.47	43.50	13.03	100	298	Vertical
6	129.91	-14.01	31.10	43.50	12.40	100	264	Vertical

Test mode 5

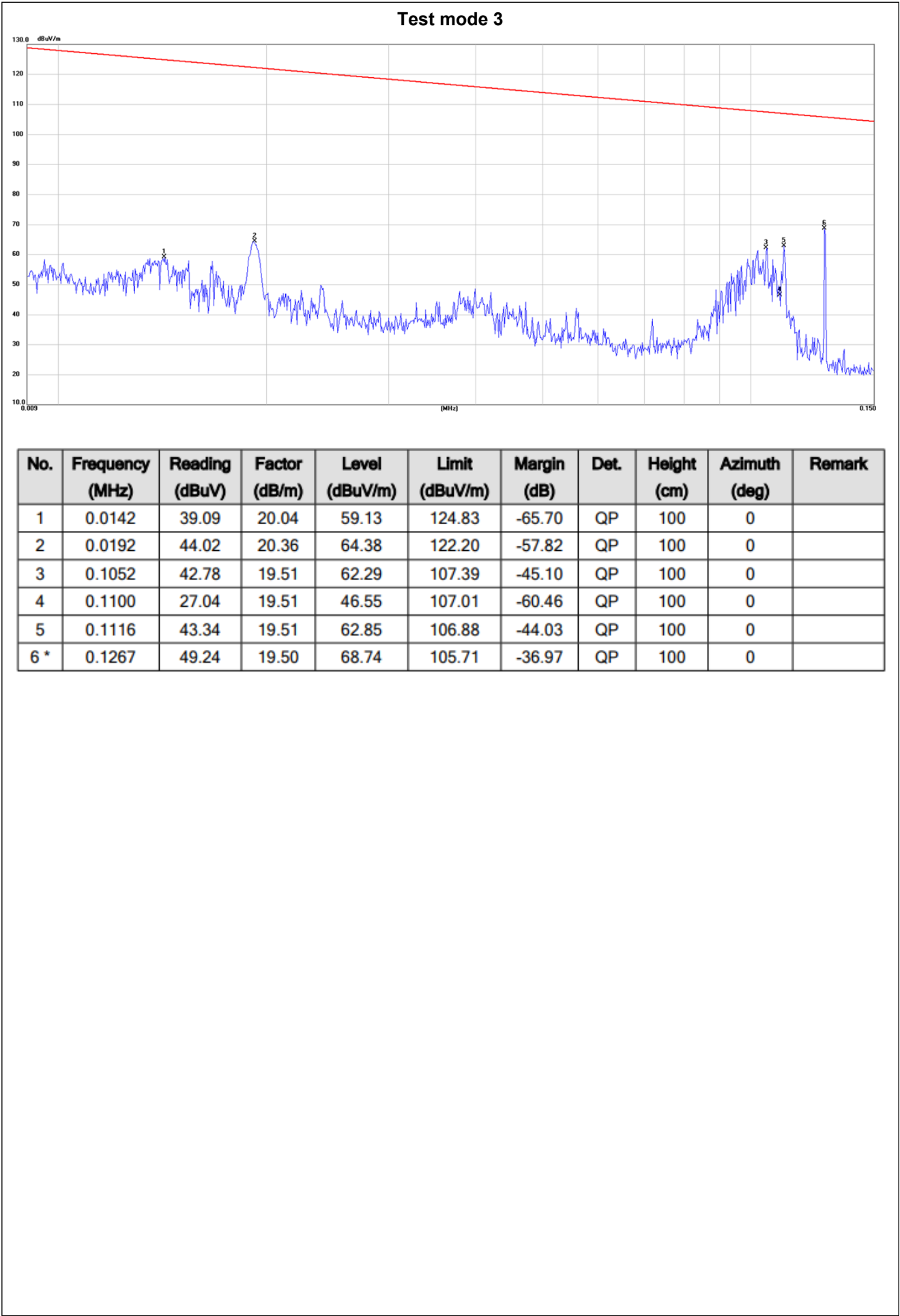
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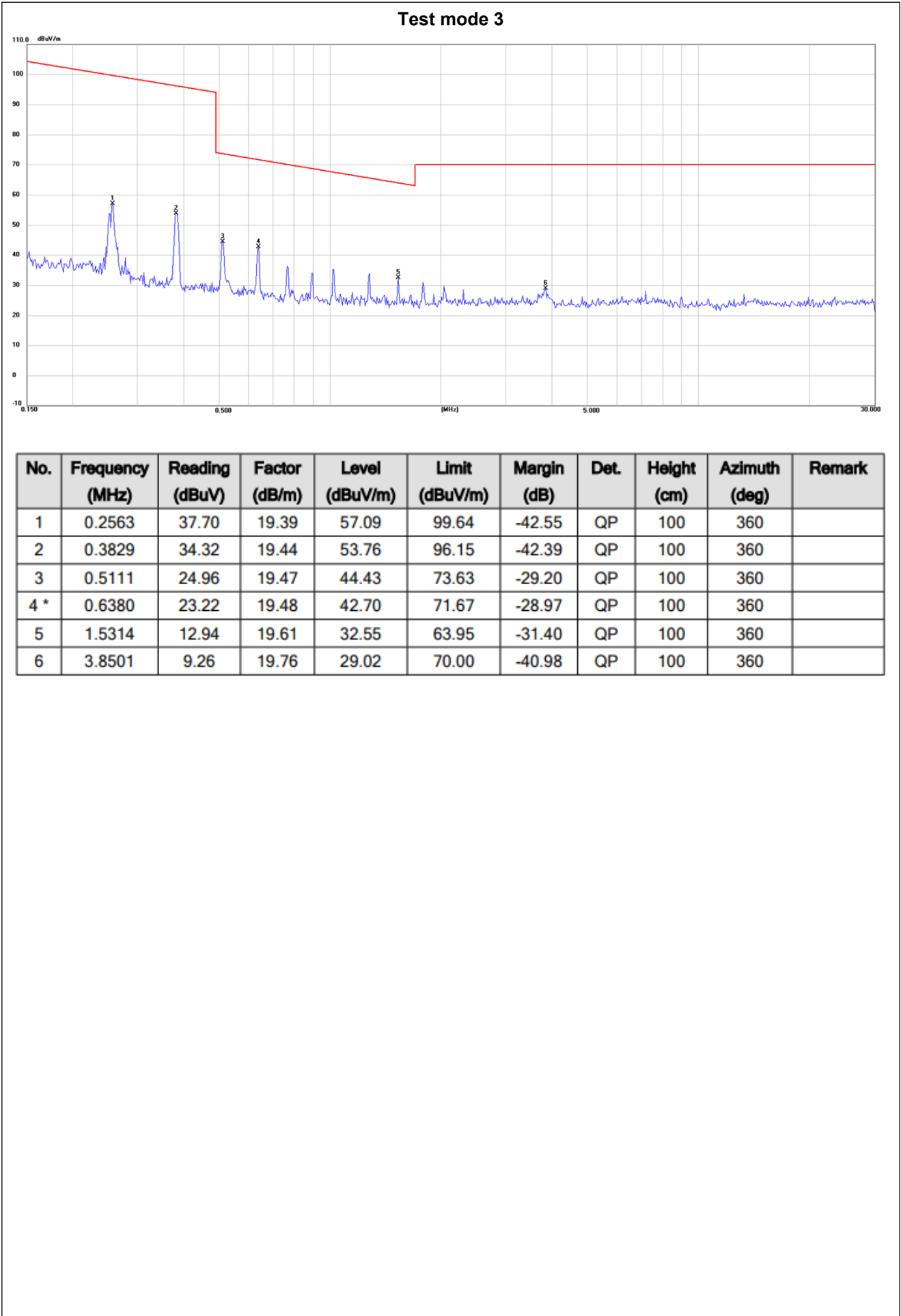
Test Graph



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.55	-12.99	26.61	40.00	13.39	200	83	Horizontal
2	82.38	-17.67	36.52	40.00	3.48	200	238	Horizontal
3	111.48	-15.59	33.15	43.50	10.35	200	57	Horizontal
4	115.36	-15.18	33.30	43.50	10.20	200	197	Horizontal
5	124.09	-14.42	34.86	43.50	8.64	200	224	Horizontal
6	288.02	-10.94	33.45	46.00	12.55	100	49	Horizontal

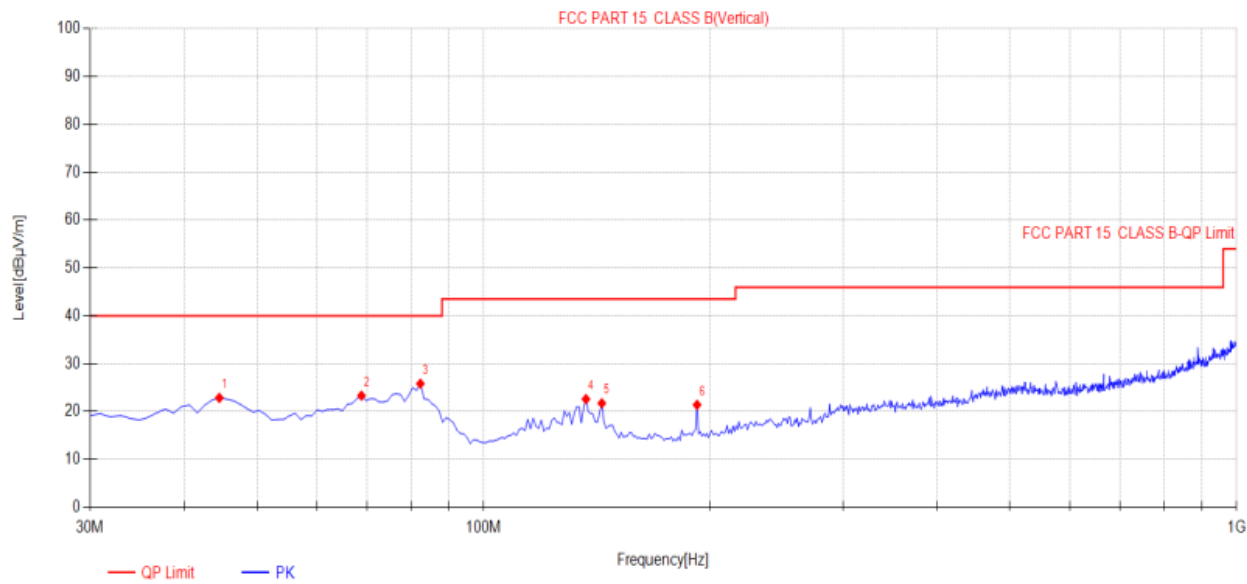




Test mode 3

Start of Test: 2026-08-20 21:49:46

Test Graph

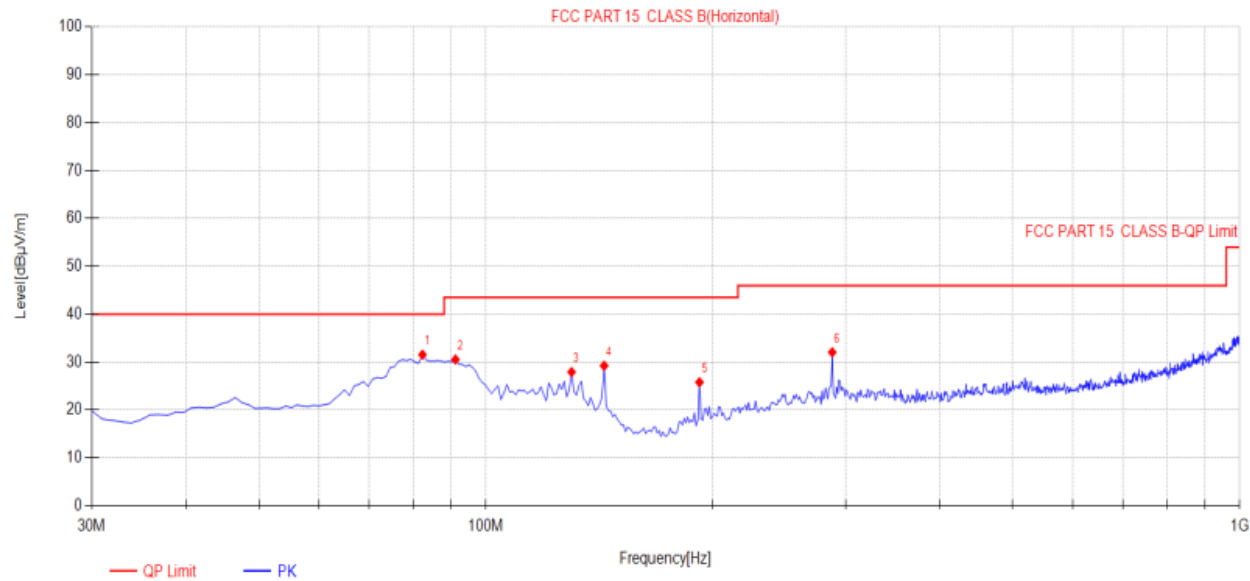


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.55	-12.99	22.87	40.00	17.13	100	360	Vertical
2	68.8	-14.68	23.33	40.00	16.67	100	163	Vertical
3	82.38	-17.67	25.83	40.00	14.17	100	123	Vertical
4	136.7	-13.55	22.61	43.50	20.89	100	278	Vertical
5	143.49	-13.69	21.75	43.50	21.75	100	358	Vertical
6	191.99	-15.59	21.41	43.50	22.09	100	325	Vertical

Test mode 3

Start of Test: 2026-08-20 21:51:10

Test Graph



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	82.38	-17.67	31.56	40.00	8.44	200	109	Horizontal
2	91.11	-17.42	30.55	43.50	12.95	200	230	Horizontal
3	129.91	-14.01	27.93	43.50	15.57	200	230	Horizontal
4	143.49	-13.69	29.25	43.50	14.25	100	109	Horizontal
5	191.99	-15.59	25.80	43.50	17.70	200	210	Horizontal
6	288.02	-10.94	32.06	46.00	13.94	100	29	Horizontal

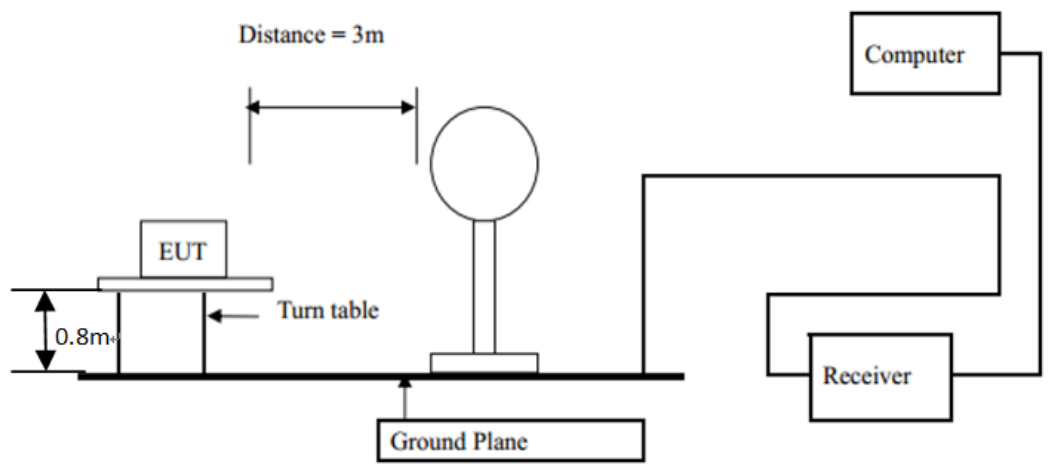
5. Occupied Bandwidth

5.1 Test equipment

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

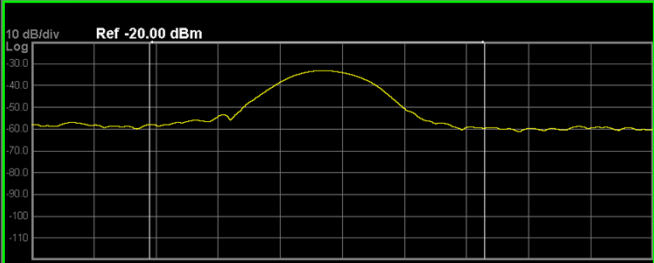
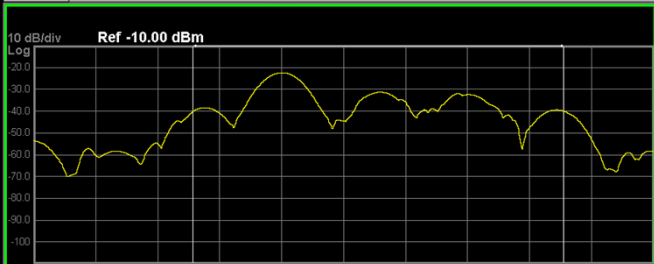
Set to the maximum power setting and enable the EUT transmit continuously.

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

Frequency (KHz)	20dB bandwidth (KHz)	Test detail	Result
126.0	2.878	Center Freq 126.000 kHz Center Freq: 126.000 kHz Trig: Free Run #IFGain:Low #Atten: 10 dB Avg Hold:>10/10 Radio Std: None Radio Device: BTS 10 dB/div Log Ref -20.00 dBm  Center 126 kHz #Res BW 1 kHz #VBW 3 kHz Span 10 kHz Sweep 12.4 ms Occupied Bandwidth 5.365 kHz Total Power -32.7 dBm Transmit Freq Error -398 Hz % of OBW Power 99.00 % x dB Bandwidth 2.878 kHz x dB -20.00 dB	Pass
360.2	12.43	Center Freq 360.200 kHz Center Freq: 360.200 kHz Trig: Free Run #IFGain:Low #Atten: 10 dB Avg Hold:>10/10 Radio Std: None Radio Device: BTS 10 dB/div Log Ref -10.00 dBm  Center 360.2 kHz #Res BW 1 kHz #VBW 3 kHz Span 20 kHz Sweep 24.73 ms Occupied Bandwidth 11.921 kHz Total Power -20.9 dBm Transmit Freq Error 1.134 kHz % of OBW Power 99.00 % x dB Bandwidth 12.43 kHz x dB -20.00 dB	Pass