

Prüfbericht-Nr.: Test report no.:		CN26BMHD 005	Auftrags-Nr.: Order no.:		27228361	Seite 1 von 16 Page 1 of 16	
Kunden-Referenz-Nr.: Client reference no.:		N/A		Auftragsdatum: Order date:		2026-04-09	
Auftraggeber: Client:		Shenzhen Mondo Technology Co., Ltd Room 417, Building T2-A, Hi-Tech Industrial Park, No. 022, 7th Gaoxinnan Road, High-Tech Zone Community, Yuehai Subdistrict, Nanshan District, Shenzhen City, 518063 Guangdong, P.R. China					
Prüfgegenstand: Test item:		Beni					
Bezeichnung / Typ-Nr.: Identification / Type no.:		LZA5211					
Auftrags-Inhalt: Order content:		Test Report					
Prüfgrundlage: Test specification:		CFR Title 47 FCC Part 15, Subpart C, Section 15.250 RSS-210 Issue 11 June 2024 RSS-Gen Issue 5 February 2021					
Wareneingangsdatum: Date of sample receipt:		2026-07-15		Please refer to photo documents			
Prüfmuster-Nr.: Test sample no.:		A004288251-001 A004329856-001~002					
Prüfzeitraum: Testing period:		2026-08-22 - 2026-09-08					
Ort der Prüfung: Place of testing:		TÜV Rheinland (Shenzhen) Co., Ltd.					
Prüflaboratorium: Testing laboratory:		TÜV Rheinland (Shenzhen) Co., Ltd.					
Prüfergebnis*: Test result*:		Pass					
geprüft von: tested by:			genehmigt von: authorized by:				
Datum: Date: 2026-09-11			Ausstellungsdatum: Issue date: 2026-09-11				
Stellung / Position:			Stellung / Position:				
Sachverständige(r)/Expert			Sachverständige(r)/Expert				
Sonstiges / Other:		FCC ID: 2BXIE-LZA5211 IC: 36011-LZA5211 This report is for SRD.					
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged					
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested							
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.							

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Anmerkungen
Remarks

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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 RADIATED EMISSIONS

RESULT: Pass

5.1.3 10dB AND 99% BANDWIDTH

RESULT: Pass

5.1.4 EIRP (EQUIVALENT ISOTROPICALLY RADIATED POWER)

RESULT: Pass

5.1.5 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of SRD

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

FCC Accreditation Designation No.: CN1260

ISED Wireless Device Testing Laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend 1)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Wireless Connectivity Tester	R&S	CMW270	102505	2025-09-23	2026-09-22
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2025-09-23	2026-09-22
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2025-09-23	2026-09-22
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2025-09-23	2026-09-22
DC power supply	Keysight	E3642A	MY61276100	2025-09-23	2026-09-22
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2025-09-23	2026-09-22
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2025-09-23	2026-09-22
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2025-09-22	2026-09-21
Signal Analyzer	R&S	FSV 40	101439	2025-09-22	2026-09-21
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2025-09-22	2026-09-21
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2025-09-22	2026-09-21
Amplifier	R&S	SCU-18F	180070	2025-09-22	2026-09-21
Amplifier	R&S	SCU40A	100475	2025-09-22	2026-09-21
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2026-09-27

Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2026-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2026-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2026-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The product is Beni, which supports Bluetooth, 2.4GHz Wi-Fi, 5GHz Wi-Fi and SRD wireless technology.

This report is for SRD operation.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT		Value	
Kind of Equipment:		Beni	
Type Designation:		LZA5211	
FCC ID:		2BXIE-LZA5211	
IC:		36011-LZA5211	
HVIN:		LZA5211	
Operating Voltage:		14.4Vdc Battery Powered or Charging by USB-C port	
Testing Voltage:		Fully charged battery or AC 120V, 60Hz	
combined weight (The product + accessories):		1900g (4.19lbs)	
Information on the Weighing instrument:	Description:	Weight Scale	
	Model/Type:	ALH-15kg	
	Manufacturer:	SHYingzhan Jidian Co., Ltd	
	Serial No.:	S14209560	
	Cal. date:	2026-07-27	
	Maximum Indication error:	3g	
Operating Temperature Range:		-10 °C ~ +45 °C	
Technical Specification of WBT			
Frequency Range:		5925-7250 MHz	
Operating Frequency:		6489.6MHz	
Type of Modulation:		BPSK	
Antenna Type:		Integral Antenna	
Antenna Gain:		-4.5dBi (Provided by the Client)	

Note: The correctness of antenna gain provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Use restriction: Operation on board an aircraft or a satellite is prohibited. Devices operating under this section are not employed for the operation of toys.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, transmitting mode
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- Operation Description
- FCC/IC Label and Location Info

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2020, ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

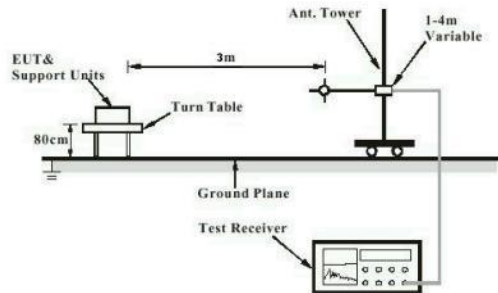


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

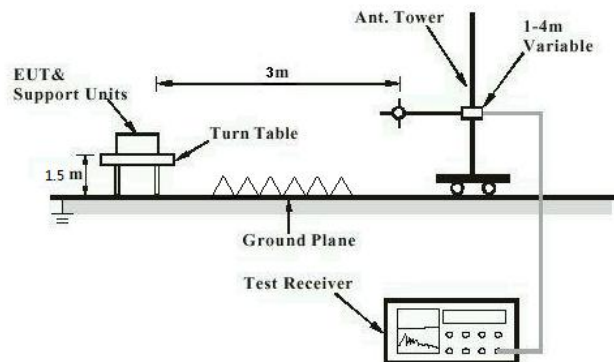


Diagram of Measurement Configuration for Conducted Transmitter Measurement

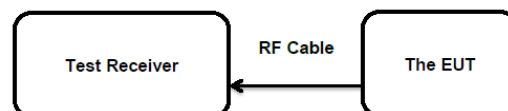
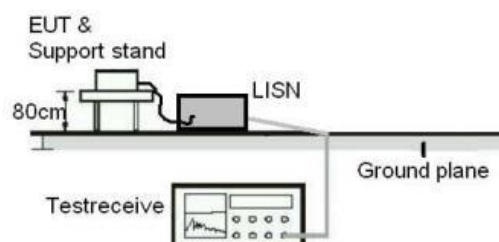


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.203
RSS-Gen Section 6.8

According to the manufacturer declared, the EUT has Integral Antenna, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Radiated Emissions

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.250(d)(e), RSS-210, Annex K.3
Basic standard	: ANSI C63.10: 2020, ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024
Limits	: FCC Part 15.250(d)(e) & 15.209(a) RSS-210, Annex K.3(a)(b)(c) RSS-Gen Section 8.9
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-08-25 to 2026-09-06
Input voltage	: Fully charged battery
Operation mode	: A
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics or to 40GHz, whichever is lower.

Part 15.250(d)(5): The emissions from digital circuitry used to control additional functions or capabilities other than the operation of the transmitter, are subject to the limits contained in subpart B of this part.

For the measurement records, refer to appendix A.

5.1.3 10dB and 99% Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.250(a)(b), RSS-210, Annex K.3 RSS-Gen Section 6.7
Basic standard	: ANSI C63.10: 2020, ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024
Limits	: Within assigned band 10 dB bandwidth of the device shall be at least 50 MHz and less than 500 MHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-08-25 to 2026-09-06
Test conditions	: Normal and extreme (10dB BW) Normal (99% BW)
Operation mode	: A
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

5.1.4 EIRP (Equivalent Isotropically Radiated Power)**RESULT:****Pass****Test Specification**

Test standard	: 15.250(d), RSS-210, Annex K.4
Basic standard	: ANSI C63.10: 2020, ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024
Limits	: 15.250(d)(1)(2)(3) RSS-210, Annex K.4 (a)(b)(c)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-08-25 to 2026-09-06
Input voltage	: Fully charged battery
Operation mode	: A
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to appendix A.

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5.1.5 Conducted Emission on AC Mains

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.207 RSS-Gen Section 8.8
Basic standard	: ANSI C63.10: 2020, ANSI C63.10:2020+ Cor. 1:2023+ C63.10a:2024
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-08-25 to 2026-09-06
Input voltage	: Fully charged battery
Operation mode	: A
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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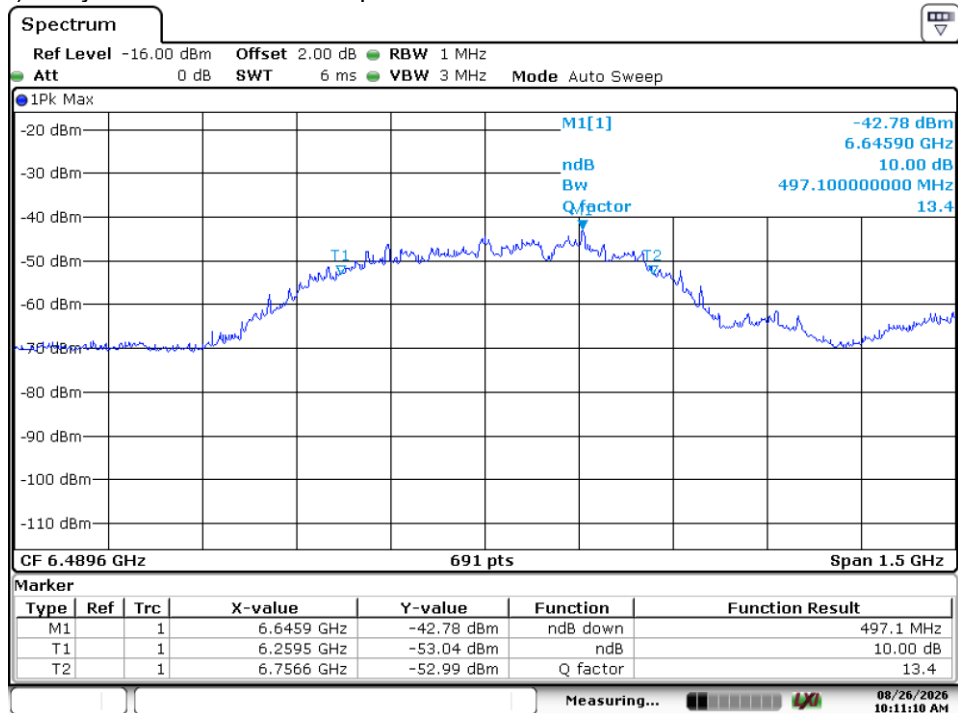
Appendix A: Test Results of SRD

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30MHz - 1GHz	5
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Appendix A.1: Test Results of 10dB Bandwidth

Frequency [MHz]	10 BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
6489.6MHz	497.1	6259.5	6756.6	Bandwidth: 50-500 Within band: 5925-7250 MHz	Pass

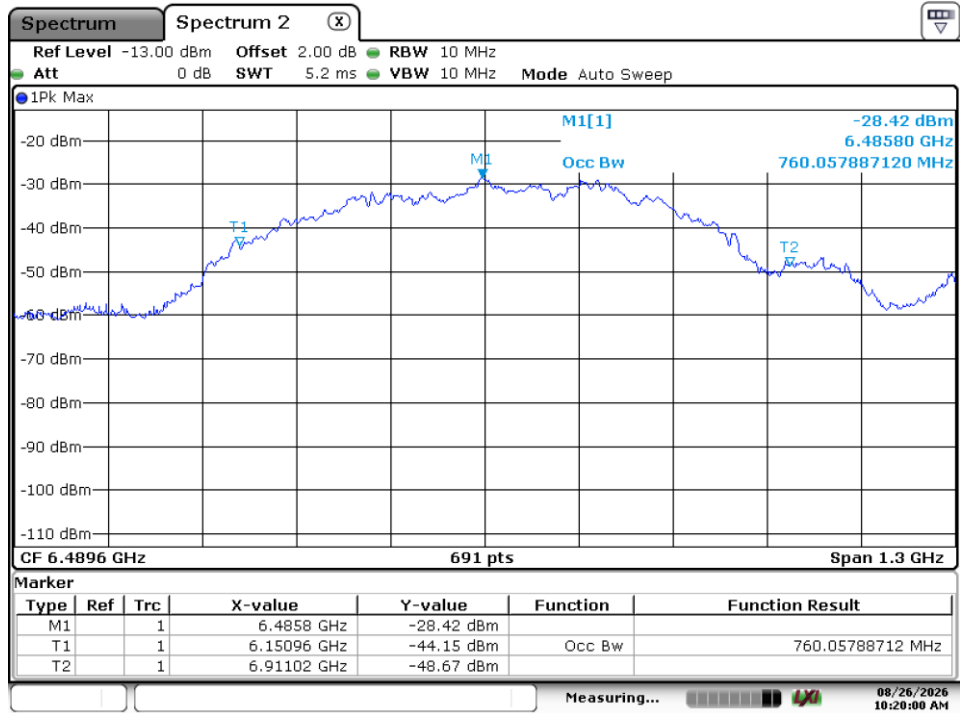
Note: The test was performed under the expected variations in temperature (-10 °C ~ +45 °C) and supply voltage (3-4.2V). Only the worst case was reported.



Date: 26.AUG.2026 10:11:10

Appendix A.2: Test Results of 99% Bandwidth

Frequency [MHz]	OBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
6489.6MHz	760.058	6150.96	6911.02	Within band: 5925-7250 MHz	Pass



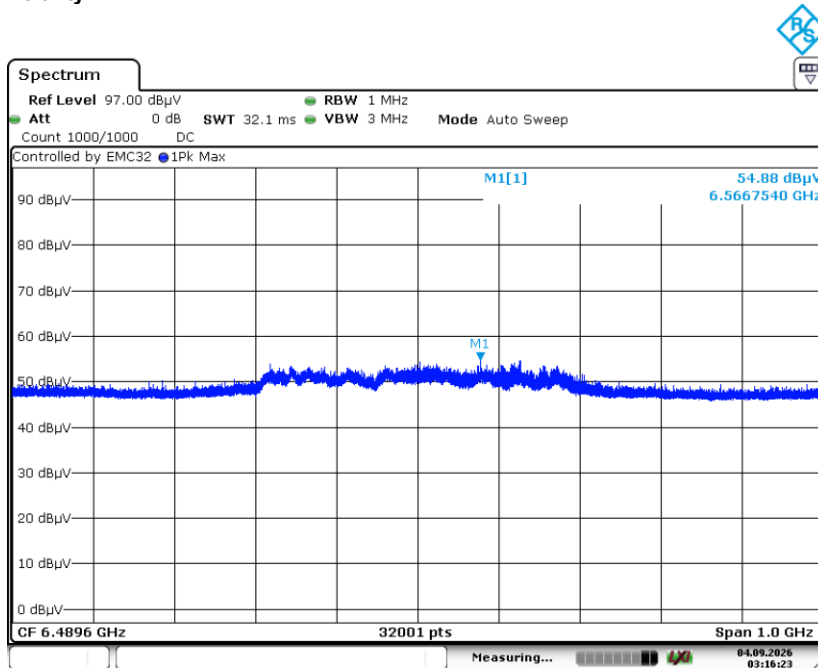
Date: 26.AUG.2026 10:20:00

Appendix A.3: Test Results of EIRP (Equivalent Isotropically Radiated Power)

Frequency (MHz)	Maximum value of peak power				
	MaxPeak (dBμV/m)@3m	EIRP (dBm/MHz)	*Limit (dBm/MHz)	Margin (dB)	Polarity
6489.6 Band	54.88	-40.42	-33.98	6.44	H
	56.68	-38.62	-33.98	4.64	V

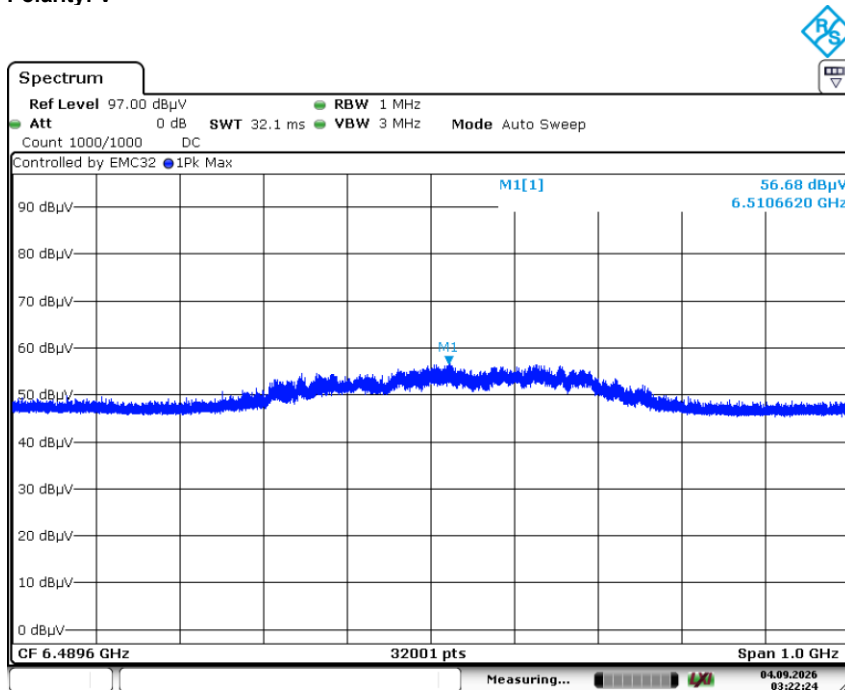
*FCC Part 15.250(d)(3), the peak EIRP limit is $20 \log(\text{RBW}/50)$ dBm where RBW is the resolution bandwidth in megahertz that is employed by the measurement instrument.
RBW/VBW setting: 1MHz/3MHz

Polarity: H



Date: 4.SEP.2026 03:16:23

Polarity: V



Date: 4.SEP.2026 03:22:25

Appendix A.4: Test Results of Radiated Emissions

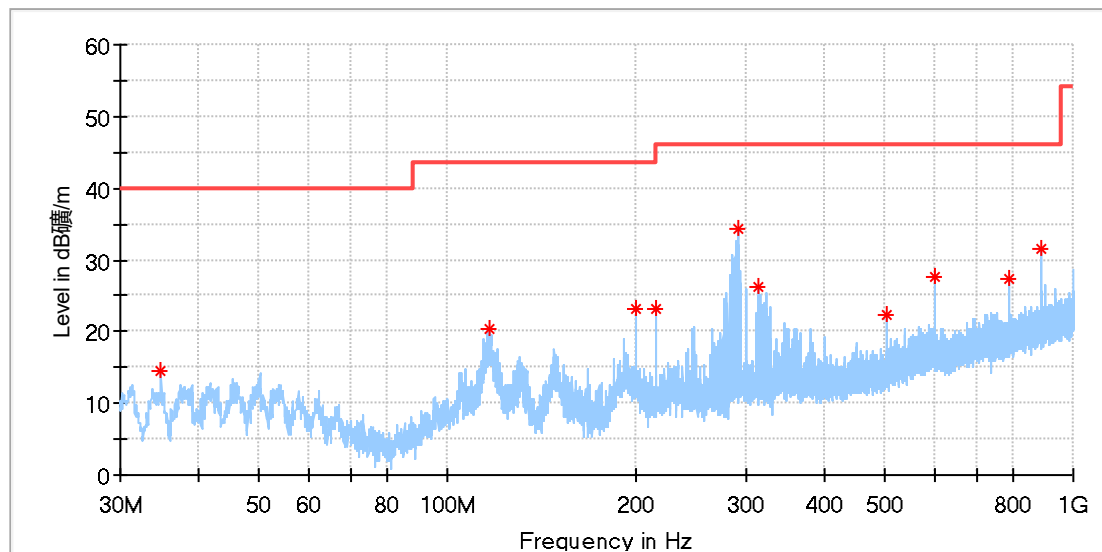
Note:

- 1) It verifies that the emissions below 30MHz and 18GHz - 40GHz were floor-noises, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 2) Part 15.250(d)(5): The emissions from digital circuitry used to control additional functions or capabilities other than the operation of the transmitter, are subject to the limits contained in subpart B of this part.

30MHz - 1GHz

EUT Information

EUT Name:	Beni
Model:	LZA5211
Test Mode:	SRD 6.4896GHz(Ch5)
Order No/Sample No:	27228361/A004329856-002
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.250
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

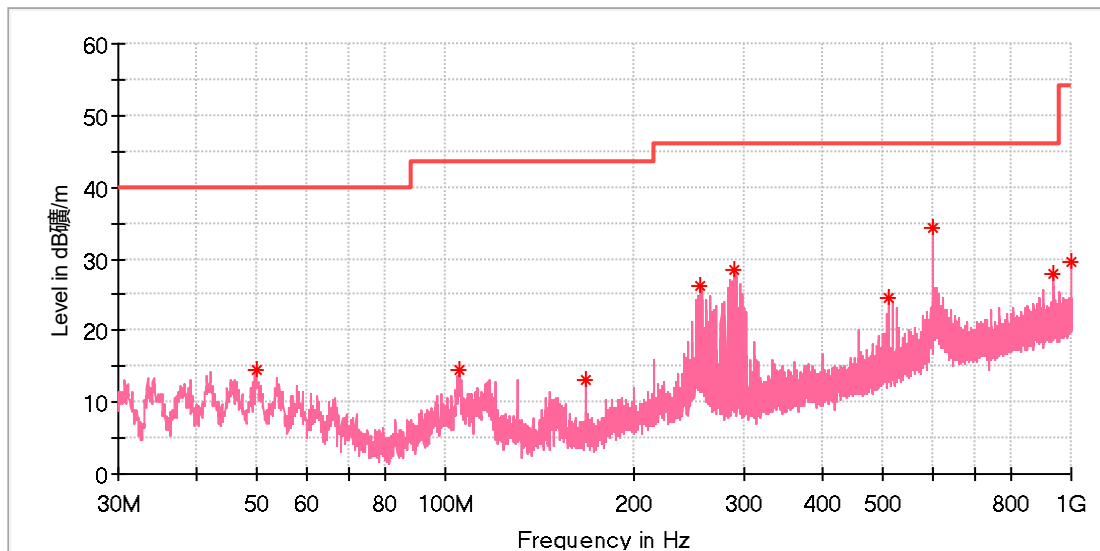
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.850000	14.40	40.00	25.60	100.0	H	147.0	-22.0
116.276111	20.34	43.50	23.16	100.0	H	0.0	-20.1
200.019444	23.28	43.50	20.22	100.0	H	29.0	-19.1
215.970556	23.13	43.50	20.37	100.0	H	29.0	-18.7
292.169444	34.33	46.00	11.67	100.0	H	116.0	-16.5
314.048333	26.11	46.00	19.89	100.0	H	70.0	-15.9
504.006667	22.40	46.00	23.60	100.0	H	273.0	-11.8
599.982778	27.57	46.00	18.43	100.0	H	70.0	-9.7
792.042778	27.45	46.00	18.55	100.0	H	53.0	-6.3
890.982778	31.51	46.00	14.49	100.0	H	203.0	-4.9

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

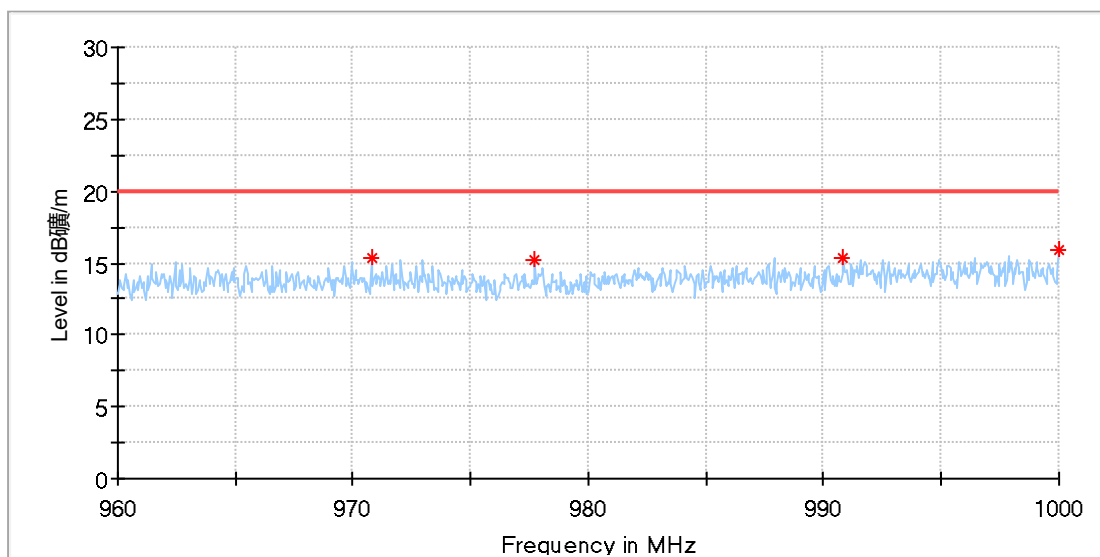
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.777222	14.53	40.00	25.47	100.0	V	224.0	-18.4
105.444444	14.62	43.50	28.88	100.0	V	0.0	-18.9
167.955556	13.15	43.50	30.35	100.0	V	231.0	-21.4
254.662778	26.22	46.00	19.78	100.0	V	29.0	-17.2
289.043889	28.47	46.00	17.53	100.0	V	167.0	-16.5
512.359444	24.59	46.00	21.41	100.0	V	52.0	-11.7
599.982778	34.34	46.00	11.66	100.0	V	167.0	-9.7
936.950000	27.80	46.00	18.20	100.0	V	224.0	-4.4
1000.000000	29.61	54.00	24.39	100.0	V	151.0	-3.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/MHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
970.792222	15.39	-79.91	-75.3	4.61	100.0	H	0.0	-4.0
977.743889	15.21	-80.09	-75.3	4.79	100.0	H	324.0	-3.9
990.838889	15.41	-79.89	-75.3	4.59	100.0	H	284.0	-3.6
1000.000000	15.93	-79.37	-75.3	4.07	100.0	H	247.0	-3.4

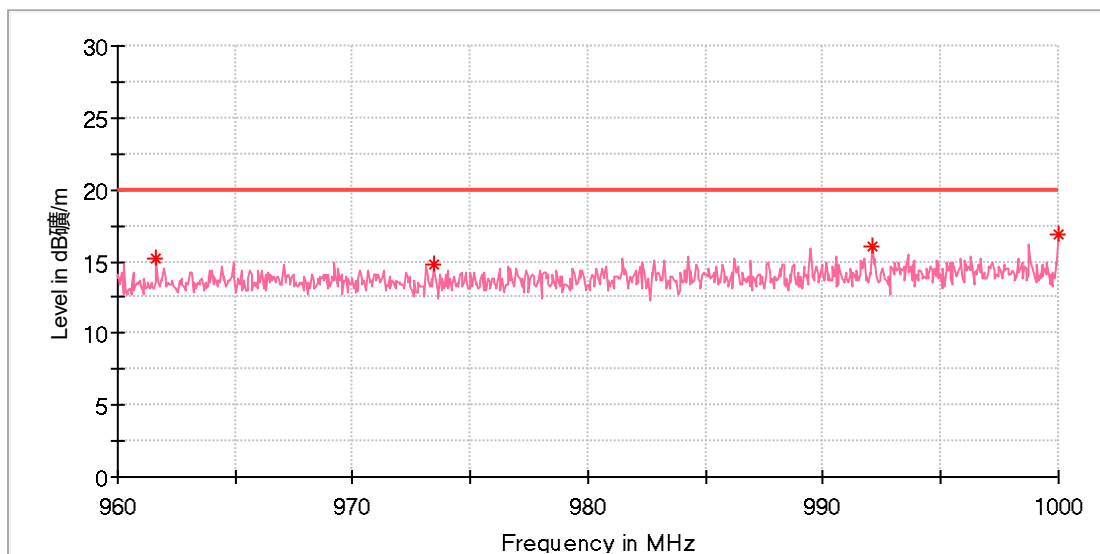
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1MHz/3MHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/MHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
961.631111	15.39	-80.15	-75.3	4.85	100.0	V	195.0	-4.1
973.432778	15.21	-80.51	-75.3	5.21	100.0	V	0.0	-3.9
992.078333	15.41	-79.19	-75.3	3.89	100.0	V	314.0	-3.6
1000.000000	15.93	-78.43	-75.3	3.13	100.0	V	157.0	-3.4

*Sample Calculation

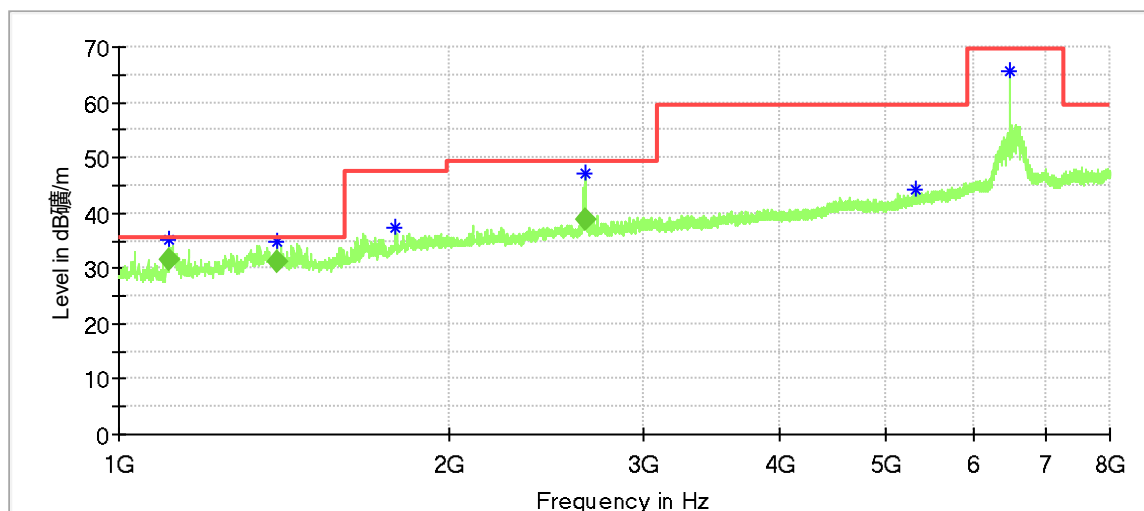
EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1MHz/3MHz

1GHz - 18GHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @0.5m	**Converted to 3m (dBμV/m)	Result* (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1111.500000	35.06	19.50	-75.80	-75.3	0.43	150.0	H	240.0	0.7
1391.566667	34.87	19.31	-75.99	-75.3	0.62	150.0	H	244.0	3.2
1786.866667	37.25	21.69	-73.61	-63.3	10.24	150.0	H	235.0	6.0
2662.333333	47.22	31.66	-63.64	-61.3	2.27	150.0	H	265.0	9.1
5316.091667	44.21	28.65	-66.65	-51.3	15.28	150.0	H	272.0	14.6
6489.708333	65.69	50.13	-45.17	41.3	3.80	150.0	H	307.0	17.7

*Sample Calculation

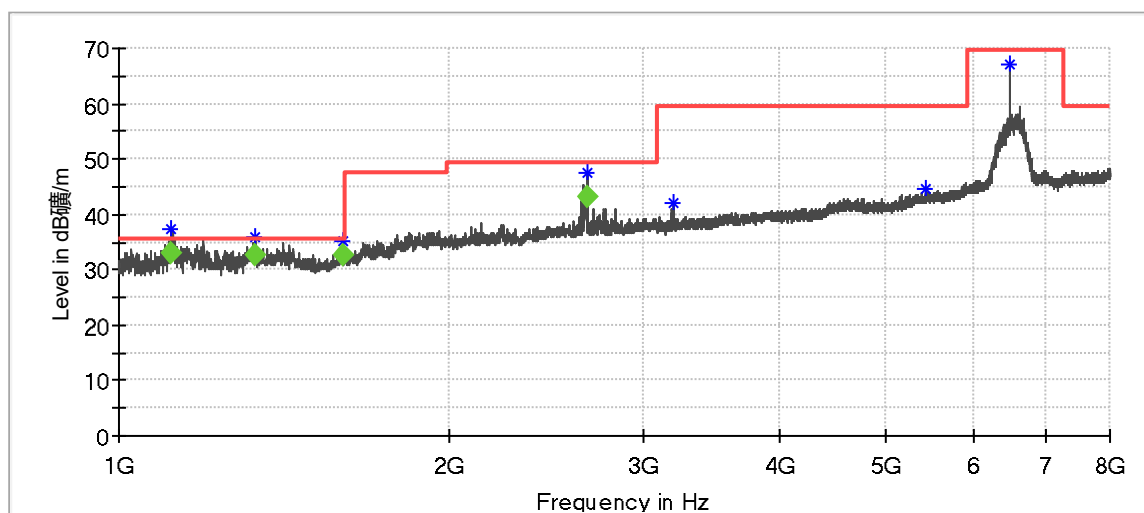
EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

** FCC Part 15.31: Extrapolated to the specified distance using an extrapolation factor of 20 dB/decade.

RBW/VBW setting: 1MHz/3MHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @0.5m	**Converted to 3m (dBμV/m)	Result* (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.500000	32.97	17.41	-77.89	-75.3	2.59	150.0	V	268.0	0.8
1329.033333	32.53	16.97	-78.33	-75.3	3.03	150.0	V	263.0	3.5
1598.708333	32.61	17.05	-78.25	-75.3	2.95	150.0	V	278.0	3.6
2670.150000	47.44	31.88	-63.42	-61.3	2.12	150.0	V	263.0	9.0
3197.775000	42.15	26.59	-68.71	-51.3	17.41	150.0	V	294.0	10.1
5432.225000	44.59	29.03	-66.27	-51.3	14.97	150.0	V	37.0	15.0
6489.708333	67.16	51.60	-43.70	-41.3	2.40	150.0	V	172.0	17.7

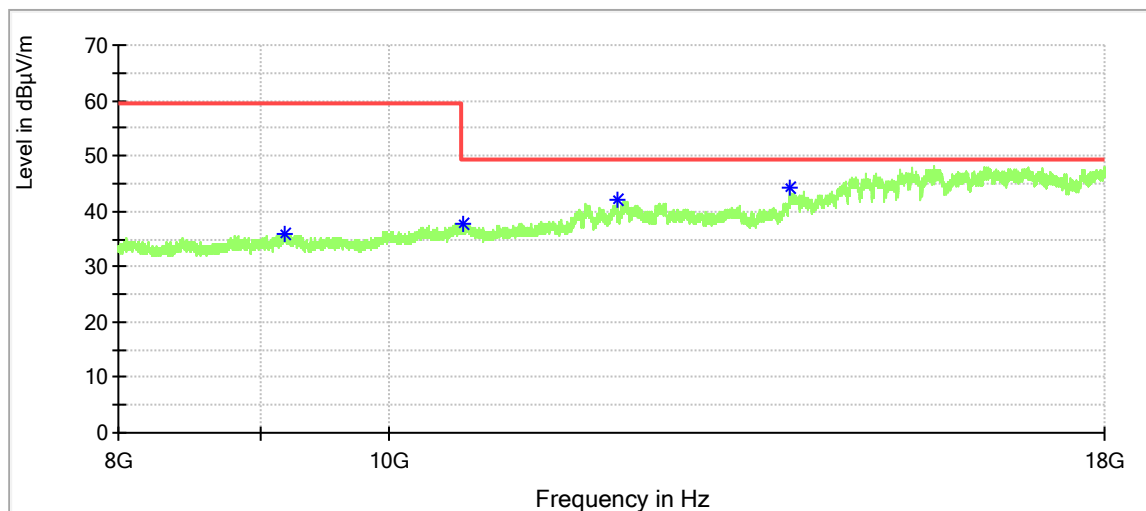
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

** FCC Part 15.31: Extrapolated to the specified distance using an extrapolation factor of 20 dB/decade
RBW/VBW setting: 1MHz/3MHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBµV/m) @0.5m	**Converted to 3m (dBµV/m)	Result* (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9176.500000	35.96	20.40	-74.90	-61.3	13.60	150.0	H	214.0	10.5
10629.00000	37.57	22.01	-73.29	-61.3	11.99	150.0	H	334.0	12.0
12050.50000	42.25	26.69	-68.61	-61.3	7.31	150.0	H	142.0	16.4
13901.50000	44.14	28.58	-66.72	-61.3	5.42	150.0	H	352.0	17.6

*Sample Calculation

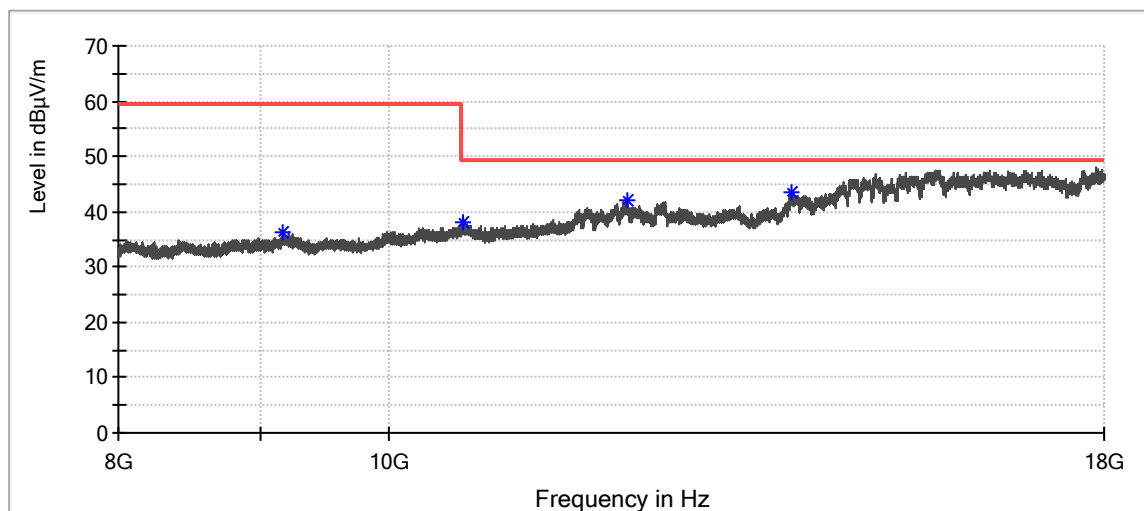
EIRP (dBm) = E (dBµV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

** FCC Part 15.31: Extrapolated to the specified distance using an extrapolation factor of 20 dB/decade

RBW/VBW setting: 1MHz/3MHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @0.5m	**Converted to 3m (dBμV/m)	Result* (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9154.000000	36.11	20.55	-74.75	-61.3	13.45	150.0	V	229.0	10.4
10628.00000	38.09	22.53	-72.77	-61.3	11.47	150.0	V	303.0	12.0
12153.00000	42.01	26.45	-68.85	-61.3	7.55	150.0	V	303.0	16.6
13917.50000	43.35	27.79	-67.51	-61.3	6.21	150.0	V	16.0	17.6

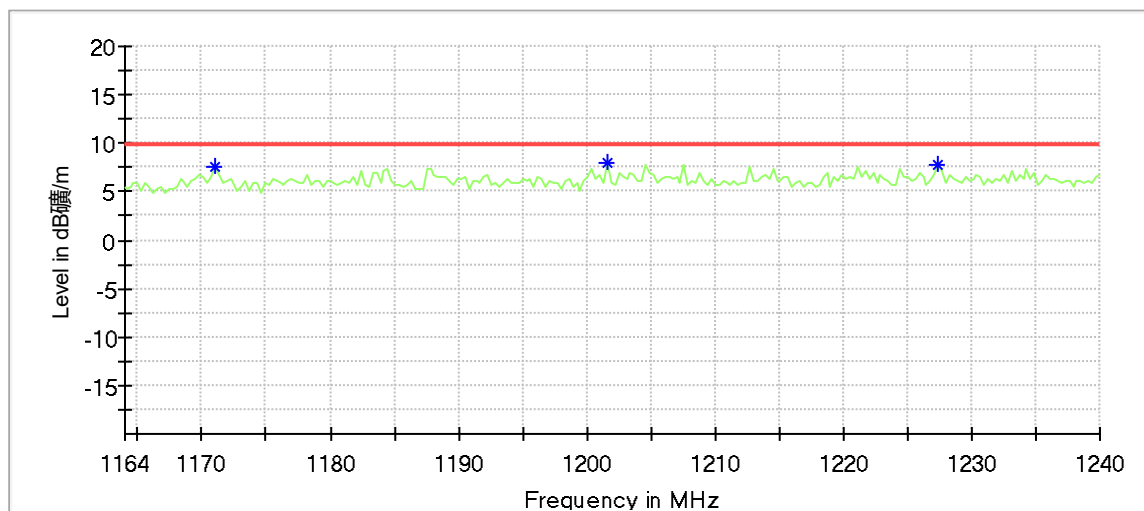
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

** FCC Part 15.31: Extrapolated to the specified distance using an extrapolation factor of 20 dB/decade
RBW/VBW setting: 1MHz/3MHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/kHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1171.000000	7.60	-87.70	-85.3	2.40	150.0	H	4.0	1.5
1201.600000	7.90	-87.40	-85.3	2.10	150.0	H	253.0	1.8
1227.400000	7.76	-87.54	-85.3	2.24	150.0	H	0.0	2.2

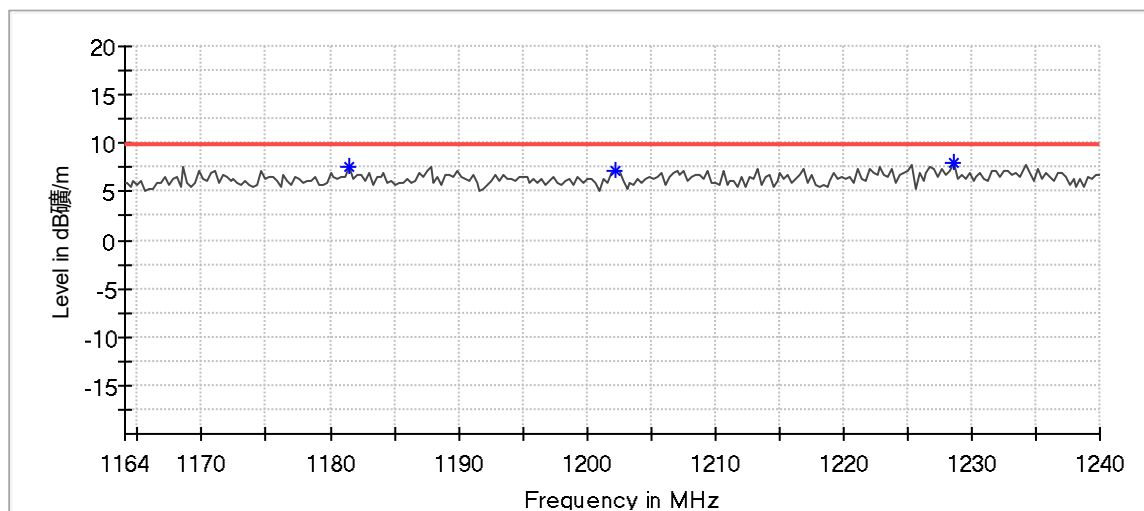
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1kHz/3kHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/kHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1181.500000	7.60	-87.63	-85.3	2.33	150.0	V	354.0	1.6
1202.200000	7.90	-88.08	-85.3	2.78	150.0	V	0.0	1.8
1228.600000	7.76	-87.39	-85.3	2.09	150.0	V	104.0	2.3

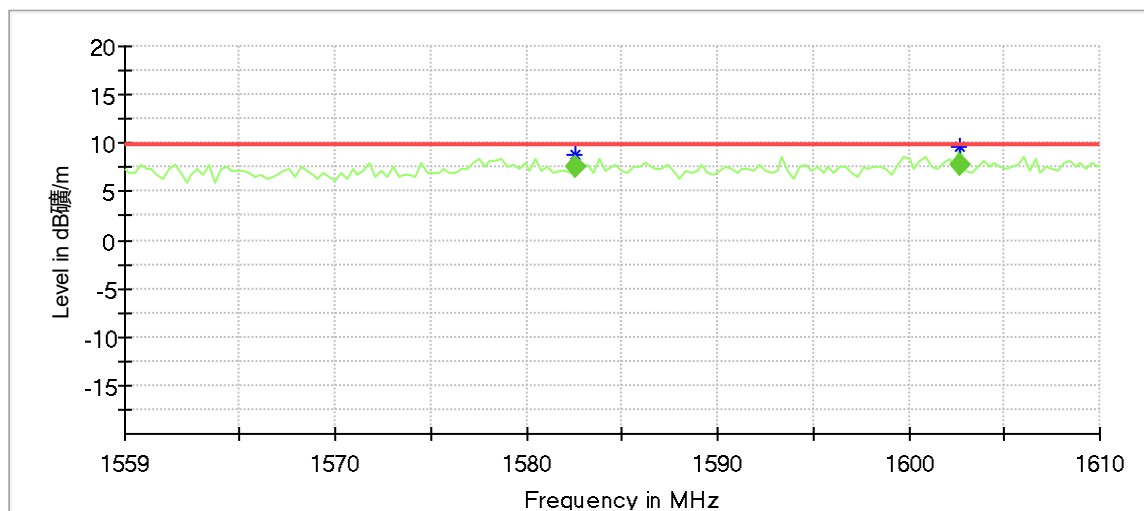
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1kHz/3kHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD_6.4896GHz(Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/kHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1582.593735	7.5	-87.80	-85.3	2.50	150.0	H	0.0	3.6
1602.680320	7.77	-87.53	-85.3	2.23	150.0	H	253.0	3.9

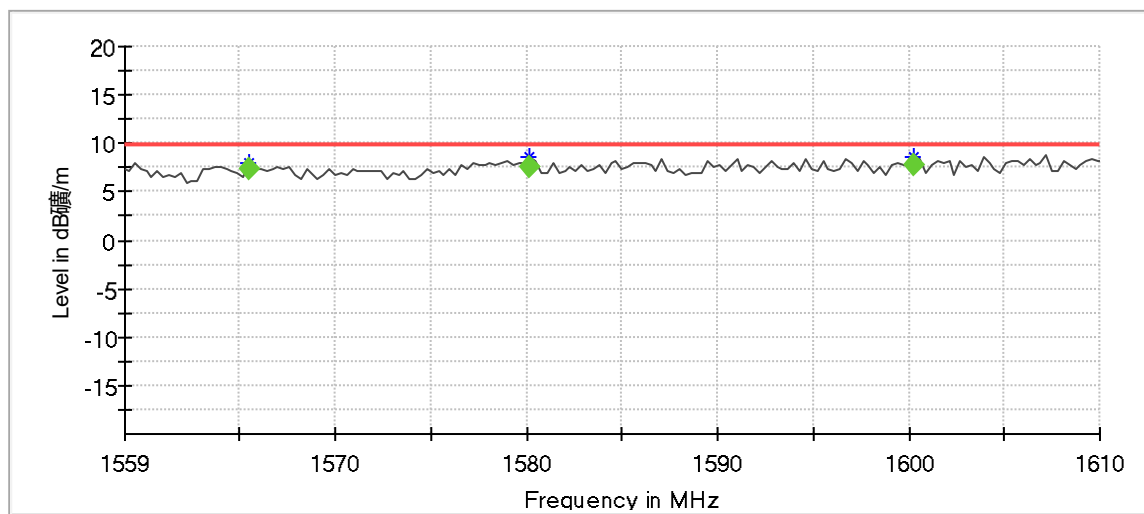
*Sample Calculation

EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1kHz/3kHz

EUT Information

EUT Name: Beni
Model: LZA5211
Test Mode: SRD 5.9G_6.4896GHz (Ch5)
Order No/Sample No: 27228361/A004329856-002
Test Voltage: Battery
Remark: Temp 21.8°C Humi:49%
Test Standard: FCC 15.250
Tested By: Kei Zhang
Reviewed By: Terry Yin



Frequency (MHz)	Average (dBμV/m) @3m	Result* (dBm/kHz)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1565.477195	7.26	-88.04	-85.3	2.74	150.0	V	104.0	3.4
1580.189775	7.49	-87.81	-85.3	2.51	150.0	V	104.0	3.6
1600.288795	7.68	-87.39	-85.3	2.09	150.0	V	354.0	3.9

*Sample Calculation

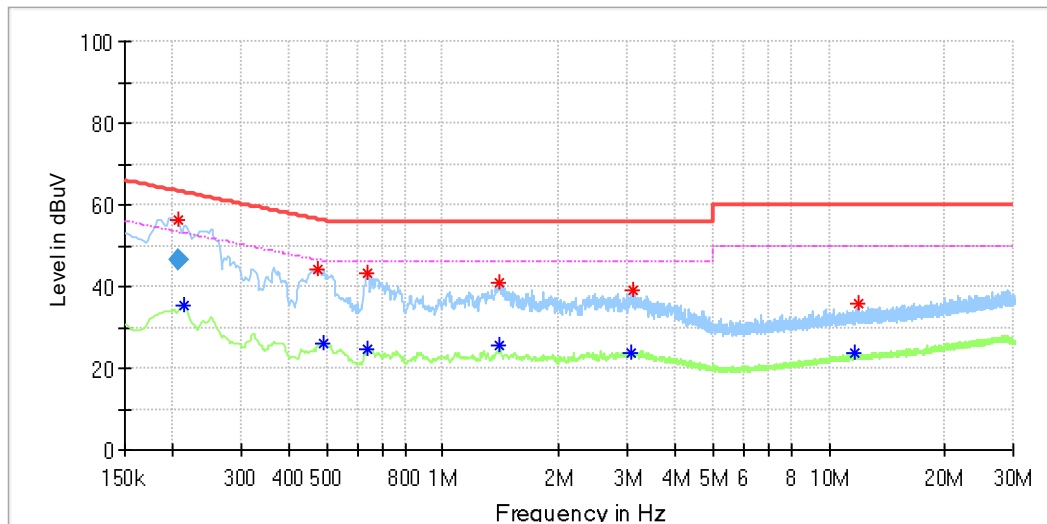
EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.7; where D is the measurement distance in m.

RBW/VBW setting: 1kHz/3kHz

Appendix A.5: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Beni
Order Number: 27228361 60(P02350763)
Model: LZA5211
Test Mode: Charging + Wi-Fi/BT and SRD connecting
Test Voltage: AC 120V/60Hz
Standard: FCC PART 15
Test By./Review By: Charron Chen / Charlie Zha
Tem./Hum./Pressure: 24.0°C/49.3%/101kPa
Remark: SR 3



Critical_Freqs

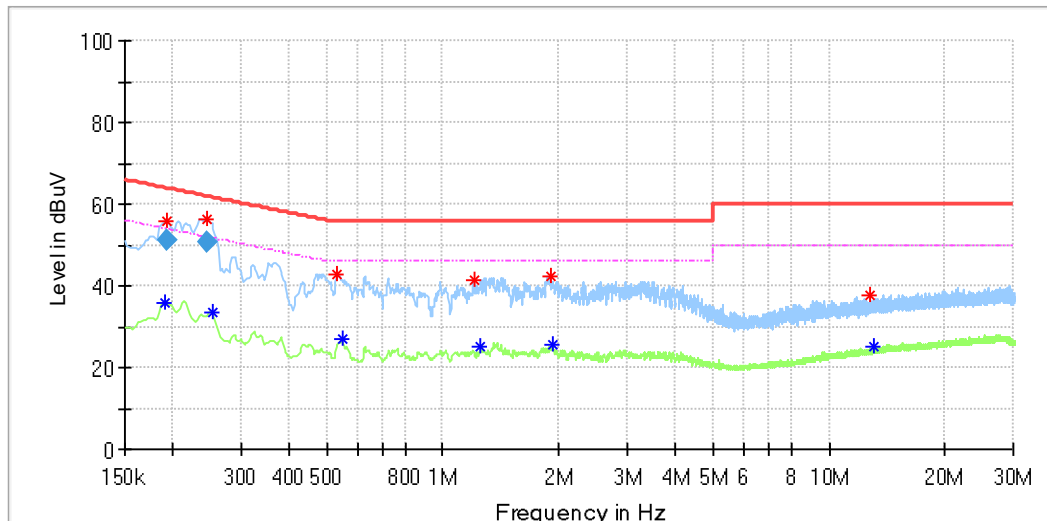
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.207	56.3	---	63.32	7.05	L1	9.7
0.215	---	35.5	53.02	17.50	L1	9.7
0.476	44.2	---	56.41	12.23	L1	9.5
0.491	---	26.3	46.15	19.89	L1	9.5
0.640	---	24.8	46.00	21.23	L1	9.7
0.640	43.1	---	56.00	12.94	L1	9.7
1.401	40.8	---	56.00	15.16	L1	9.6
1.406	---	25.7	46.00	20.29	L1	9.6
3.085	---	23.5	46.00	22.47	L1	9.6
3.123	39.1	---	56.00	16.88	L1	9.6
11.712	---	23.6	50.00	26.39	L1	9.8
11.976	36.0	---	60.00	23.99	L1	9.8

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.207	46.5	---	63.32	16.79	1000.0	9.0	L1	9.7

EUT Information

EUT Name: Beni
Order Number: 27228361 60(P02350763)
Model: LZA5211
Test Mode: Charging + Wi-Fi/BT and SRD connecting
Test Voltage: AC 120V/60Hz
Standard: FCC PART 15
Test By:/Review By: Charron Chen / Charlie Zha
Tem./Hum./Pressure: 24.0°C/49.3%/101kPa
Remark: SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.190	---	36.0	54.05	18.04	N	9.9
0.192	55.9	---	63.94	8.07	N	9.9
0.245	56.5	---	61.94	5.46	N	9.9
0.252	---	33.7	51.69	18.00	N	9.9
0.533	42.8	---	56.00	13.15	N	9.9
0.548	---	26.7	46.00	19.25	N	9.9
1.202	41.4	---	56.00	14.60	N	9.8
1.254	---	25.2	46.00	20.84	N	9.8
1.899	42.3	---	56.00	13.72	N	10.0
1.924	---	25.4	46.00	20.60	N	10.0
12.819	37.6	---	60.00	22.36	N	9.6
13.053	---	25.0	50.00	24.99	N	9.6

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.192	51.0	---	63.94	12.94	1000.0	9.0	N	9.9
0.245	50.5	---	61.94	11.43	1000.0	9.0	N	9.9