TEST REPORT

Applicant Name :	Grandstream Networks, Inc.
Address :	126 Brookline Ave, 3rd Floor Boston, MA 02215, USA
Report Number :	SZNS220223-05646-RF-00B
FCC ID:	YZZGDS3710V2

Test Standard (s)

FCC Part 15C

Sample Description

Product Type:	Hemispheric HD IP Video Door System
Model No.:	GDS3710
Multiple Model(s) No.:	N/A
Trade Mark:	GRANDSTREAM
Date Received:	2022/02/23
Report Date:	2022/04/28

Test Result:	Pass*

* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Ting Lü
EMC Engineer

Approved By:

Robert Li
EMC Engineer

TABLE OF CONTENTS

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	125kHz
Antenna Type	Coil
Input Voltage	DC 12V from adapter or DC 48V from PoE
Sample serial number	SZNS220223-05646E-RF-S1 (Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2, Subpart J, and Part 15, Subparts A and C of the Federal Communications Commission's rules.

The objective is to determine the compliance of EUT with FCC rules, section 15.203, 15.205, 15.207 and 15.209.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
AC Power Lines Conducted Emissions		2.72dB
Emissions, Radiated	9kHz – 30MHz	2.66dB
	30MHz - 1GHz	4.28dB
Temperature		1℃
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISEDC), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a test mode

EUT Exercise Software

No software used in test.

Local Support Equipment

Manufacturer	Description	Model	Serial Number
Yealink	PoE	YLPOE30	Unknown
Frecom	Adapter	F18W8-120150SPASY	Unknown

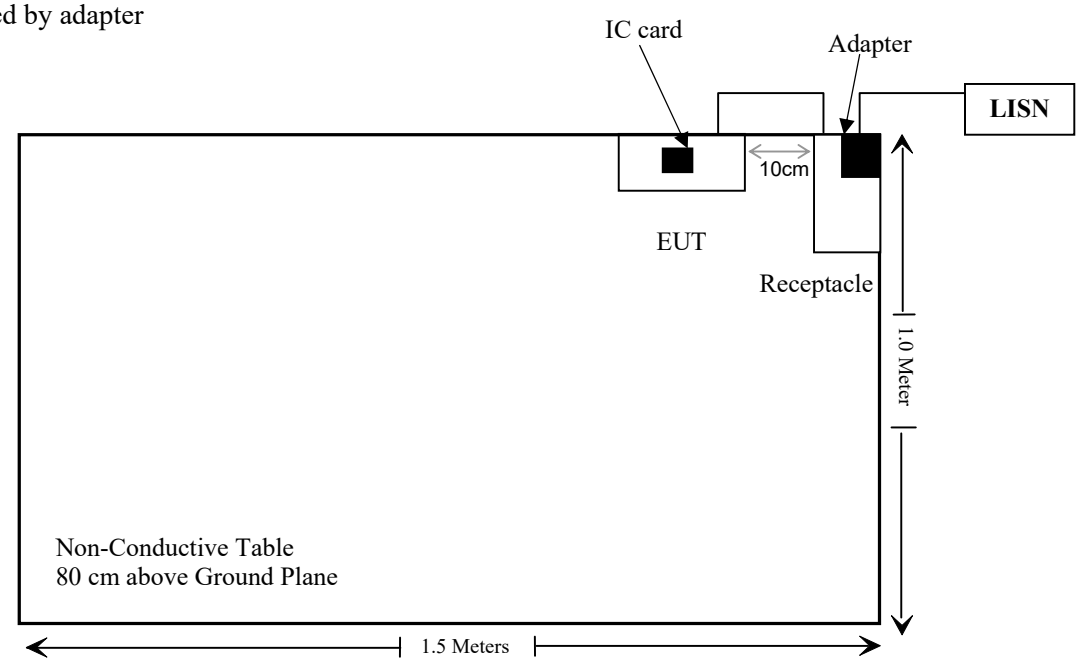
External I/O Cable

Cable Description	Length (m)	From Port	To
Un-shielded Detachable DC Cable	1.0	PoE /Adapter	EUT

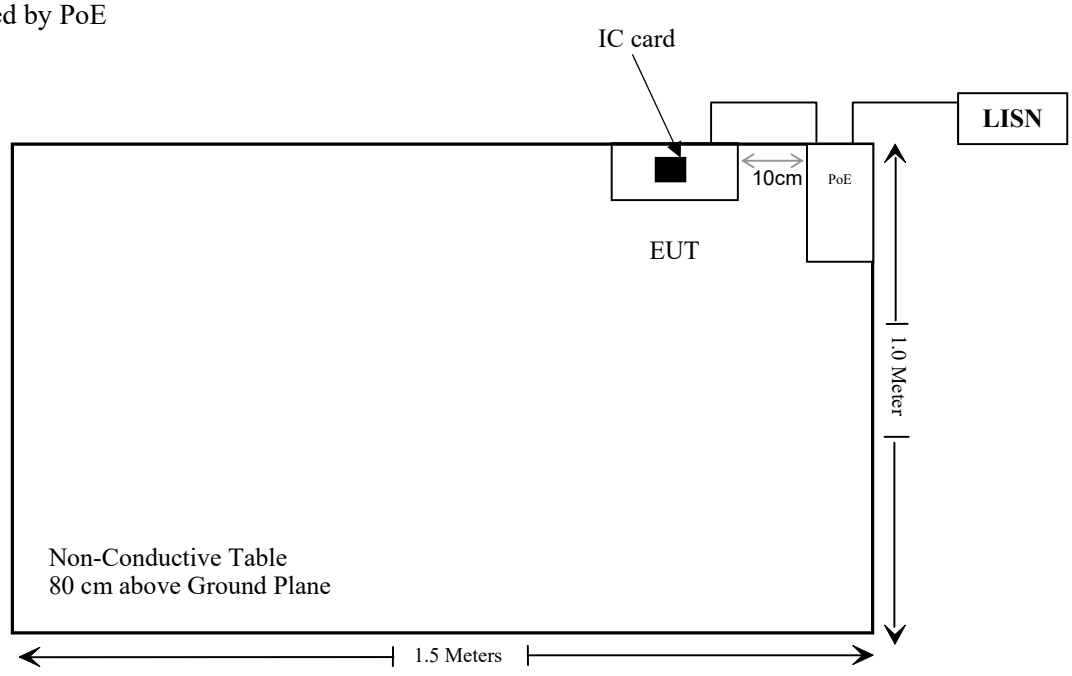
Block Diagram of Test Setup

For conducted emission:

Powered by adapter

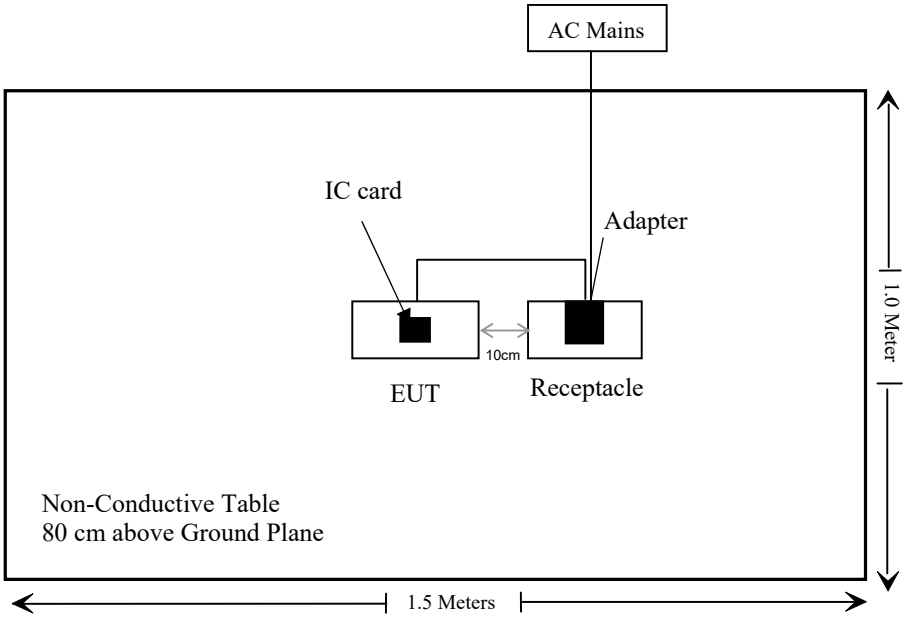


Powered by PoE

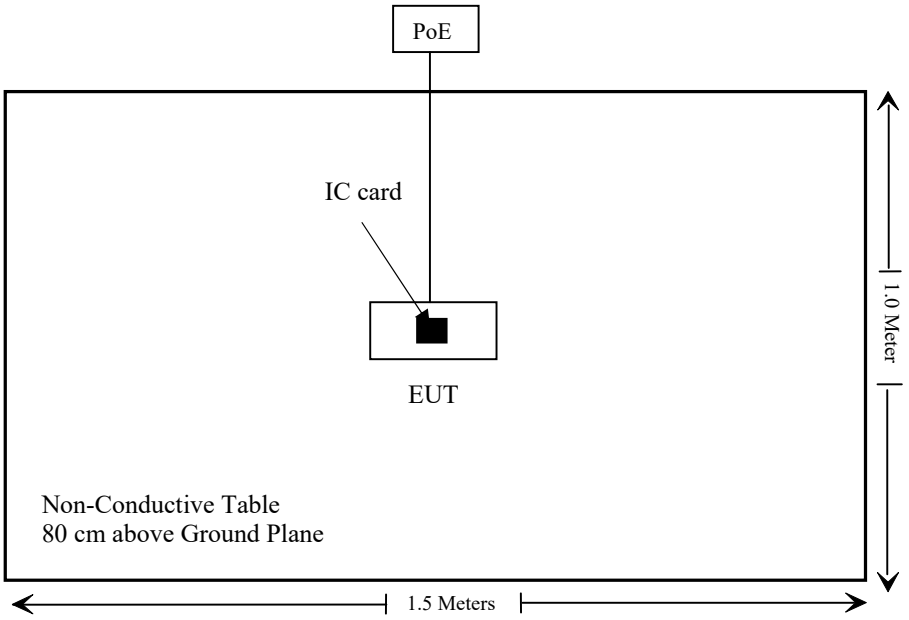


For radiated emission:

Powered by adapter



Powered by PoE



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC§15.203	Antenna Requirement	Compliant
FCC§15.207	AC Line Conducted Emission	Compliant
§15.209 §15.205	Radiated Emission Test	Compliant
FCC §15.215(c)	20 dB Emission Bandwidth	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde& Schwarz	EMI Test Receiver	ESCI	100784	2021/12/13	2022/12/12
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2021/12/13	2022/12/12
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.17	N0350	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.18	N0850	2021/12/14	2022/12/13
Conducted Emission Test Software: e3 19821b (V9)					
RF Radiated test					
Rohde& Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
SCHWARZBECK	LOOP ANTENNA	FMZB1516	1516131	2021/12/22	2024/12/21
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Radiated Emission Test Software: e3 19821b (V9)					
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13

*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.203 – ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Antenna Connected Construction

The EUT has one internal coil antenna arrangement which was permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

FCC §15.215 (c) – 20 dB EMISSION BANDWIDTH

Applicable Standard

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

In some cases, the “20 dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated 20 dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

Test Procedure

Refer to ANSI C63.10-2013 section 6.9.2

Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	50 %
ATM Pressure:	101.0 kPa

The testing was performed by Black Chen on 2022-04-22

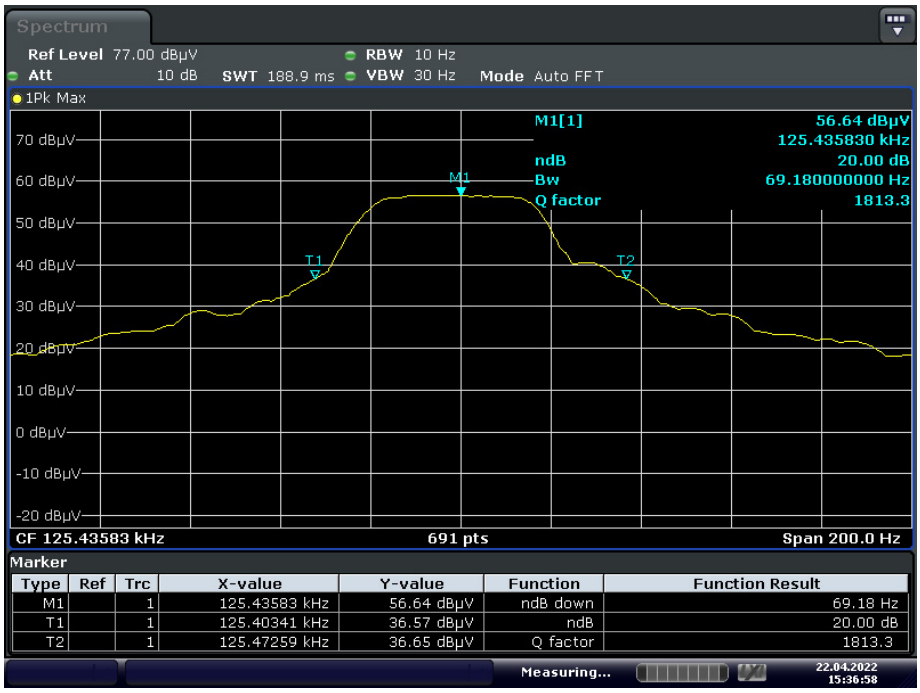
Test Mode: Transmitting

Test Result: Pass.

Please refer to the following tables and plots.

Transmit Frequency (MHz)	20 dB Emission Bandwidth (Hz)
0.125	69.18

20 dB Emission Bandwidth



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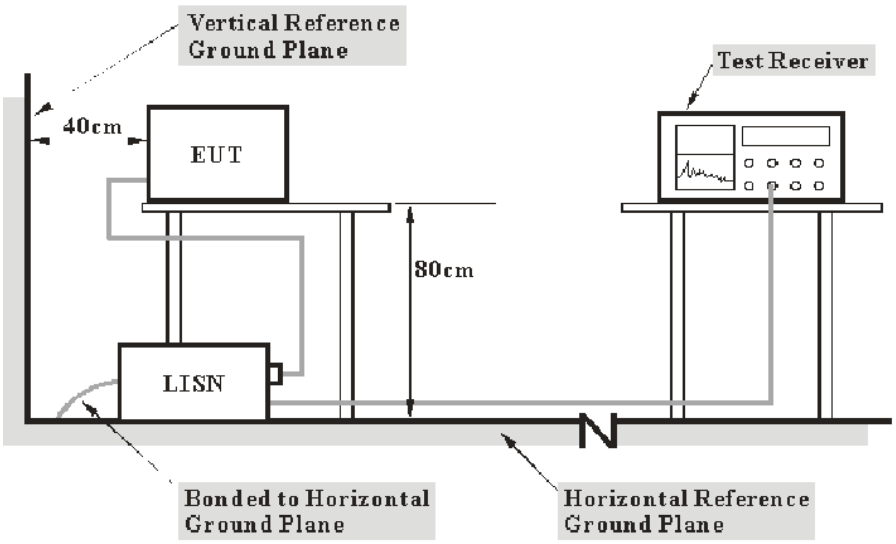
FCC §15.207 – AC LINE CONDUCTED EMISSION

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Correction Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit
Level= Reading level+ Factor

Test Data

Environmental Conditions

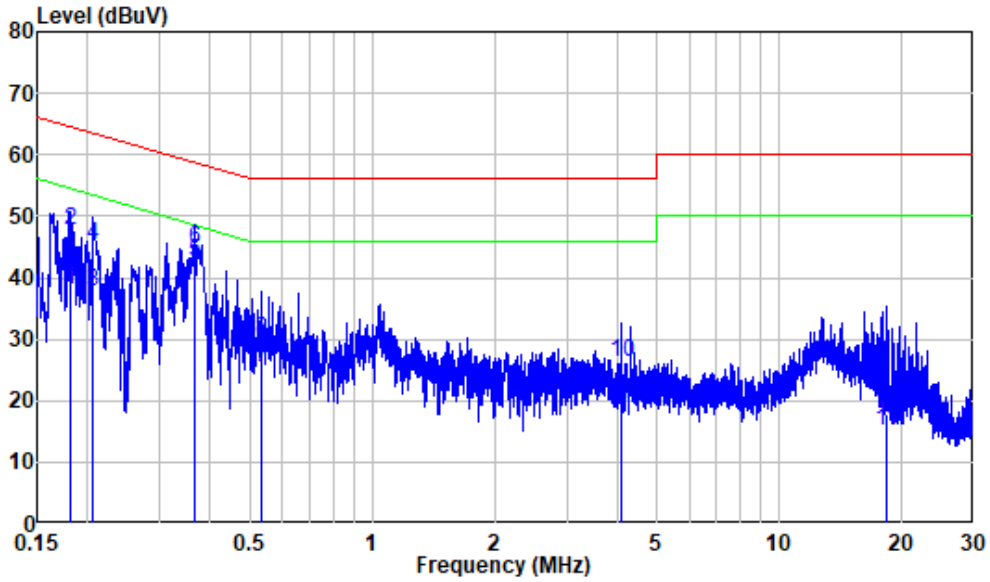
Temperature:	24 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

The testing was performed by Caro Hu on 2022-04-19.

Test Mode: Transmitting

Powered by adapter

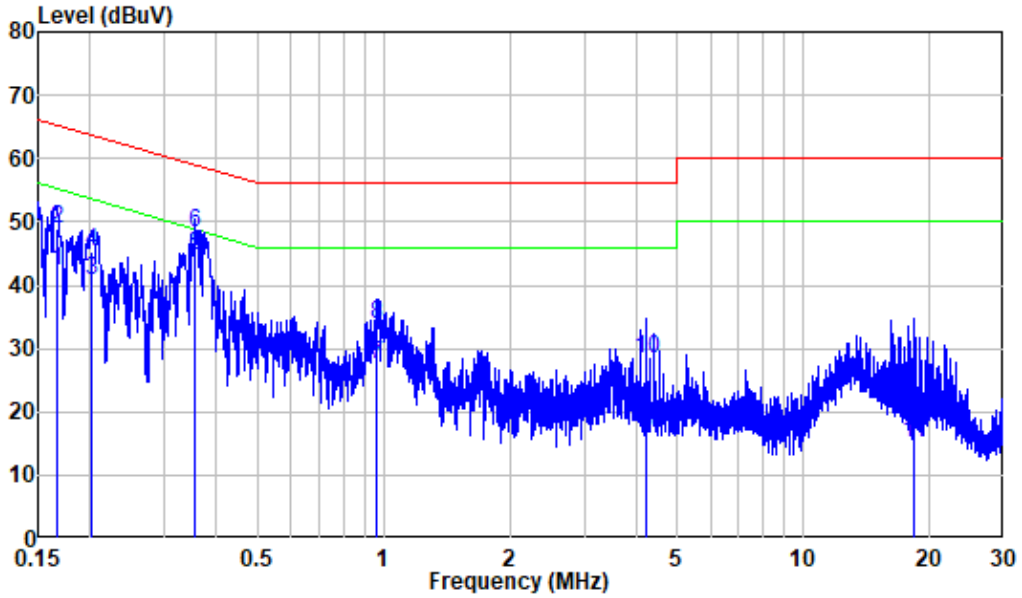
AC 120 V/60 Hz, Line:



Site : Shielding Room
Condition: Line
Mode : TX
Model : GDS3710
Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.180	9.80	28.32	38.12	54.47	-16.35	Average
2	0.180	9.80	37.98	47.78	64.47	-16.69	QP
3	0.206	9.80	27.81	37.61	53.38	-15.77	Average
4	0.206	9.80	35.49	45.29	63.38	-18.09	QP
5	0.366	9.80	32.91	42.71	48.58	-5.87	Average
6	0.366	9.80	34.93	44.73	58.58	-13.85	QP
7	0.533	9.81	15.62	25.43	46.00	-20.57	Average
8	0.533	9.81	20.22	30.03	56.00	-25.97	QP
9	4.100	9.84	8.63	18.47	46.00	-27.53	Average
10	4.100	9.84	16.39	26.23	56.00	-29.77	QP
11	18.256	9.98	5.23	15.21	50.00	-34.79	Average
12	18.256	9.98	7.98	17.96	60.00	-42.04	QP

AC 120V/ 60 Hz, Neutral:

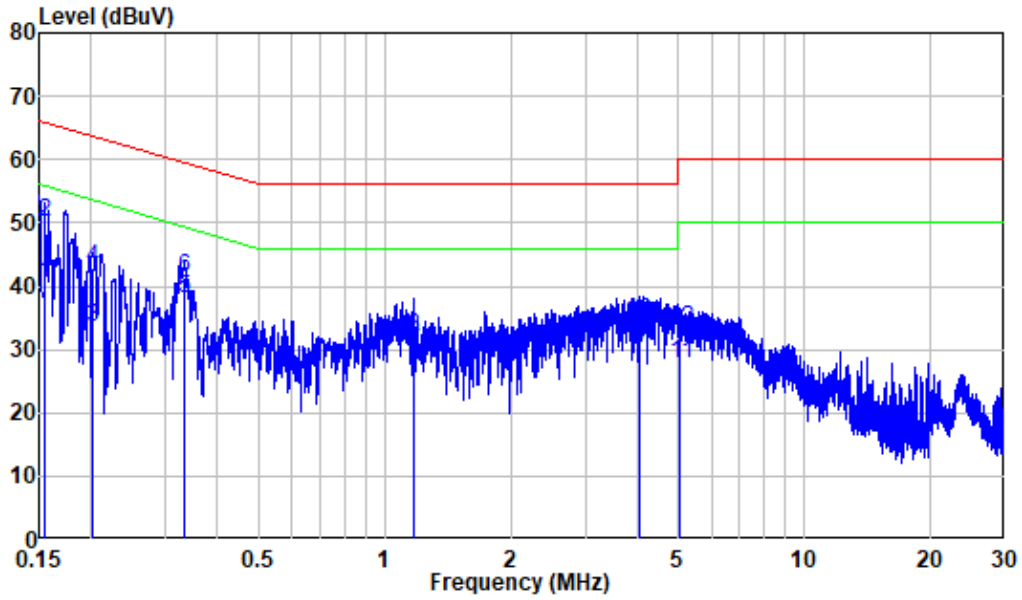


Site : Shielding Room
Condition: Neutral
Mode : TX
Model : GDS3710
Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.166	9.80	32.32	42.12	55.16	-13.04	Average
2	0.166	9.80	39.22	49.02	65.16	-16.14	QP
3	0.202	9.80	30.90	40.70	53.52	-12.82	Average
4	0.202	9.80	35.56	45.36	63.52	-18.16	QP
5	0.356	9.80	35.02	44.82	48.83	-4.01	Average
6	0.356	9.80	38.42	48.22	58.83	-10.61	QP
7	0.962	9.81	17.68	27.49	46.00	-18.51	Average
8	0.962	9.81	23.98	33.79	56.00	-22.21	QP
9	4.205	9.85	6.60	16.45	46.00	-29.55	Average
10	4.205	9.85	18.53	28.38	56.00	-27.62	QP
11	18.256	10.08	5.07	15.15	50.00	-34.85	Average
12	18.256	10.08	7.61	17.69	60.00	-42.31	QP

Powered by PoE

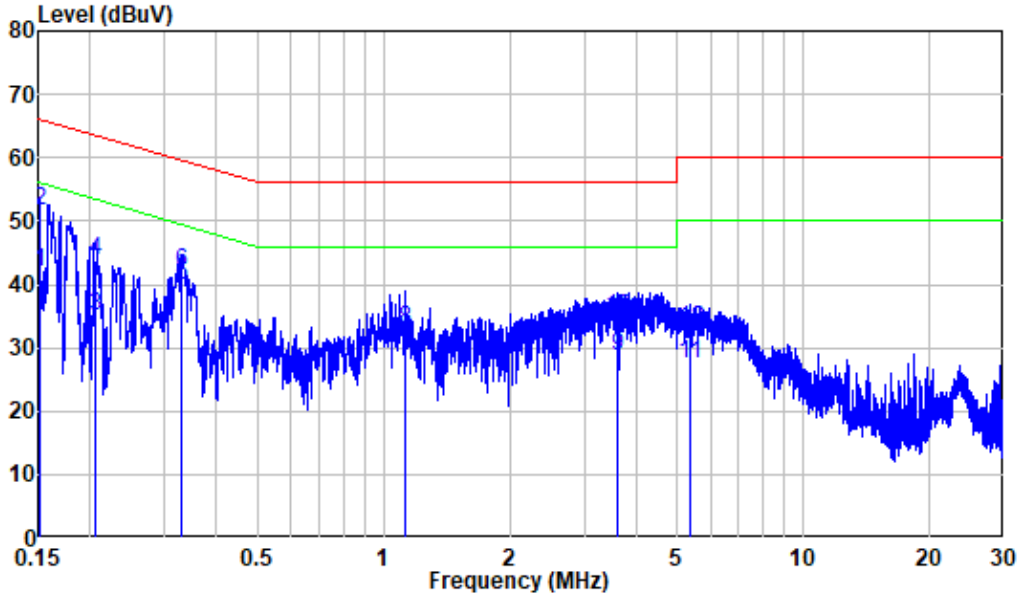
AC 120 V/60 Hz, Line:



Site : Shielding Room
Condition: Line
Mode : TX
Model : GDS3710
Power : AC 120V 60Hz POE

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.155	9.80	30.63	40.43	55.72	-15.29	Average
2	0.155	9.80	40.20	50.00	65.72	-15.72	QP
3	0.201	9.80	23.61	33.41	53.55	-20.14	Average
4	0.201	9.80	33.09	42.89	63.55	-20.66	QP
5	0.334	9.80	28.32	38.12	49.36	-11.24	Average
6	0.334	9.80	31.61	41.41	59.36	-17.95	QP
7	1.169	9.81	19.64	29.45	46.00	-16.55	Average
8	1.169	9.81	22.29	32.10	56.00	-23.90	QP
9	4.025	9.84	20.06	29.90	46.00	-16.10	Average
10	4.025	9.84	24.54	34.38	56.00	-21.62	QP
11	5.055	9.85	17.86	27.71	50.00	-22.29	Average
12	5.055	9.85	23.29	33.14	60.00	-26.86	QP

AC 120V/ 60 Hz, Neutral:



Site : Shielding Room
Condition: Neutral
Mode : TX
Model : GDS3710
Power : AC 120V 60Hz POE

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.151	9.80	32.18	41.98	55.94	-13.96	Average
2	0.151	9.80	41.81	51.61	65.94	-14.33	QP
3	0.206	9.80	25.09	34.89	53.38	-18.49	Average
4	0.206	9.80	33.92	43.72	63.38	-19.66	QP
5	0.331	9.80	30.05	39.85	49.42	-9.57	Average
6	0.331	9.80	32.10	41.90	59.42	-17.52	QP
7	1.128	9.81	19.01	28.82	46.00	-17.18	Average
8	1.128	9.81	23.24	33.05	56.00	-22.95	QP
9	3.589	9.84	18.91	28.75	46.00	-17.25	Average
10	3.589	9.84	24.74	34.58	56.00	-21.42	QP
11	5.347	9.90	17.53	27.43	50.00	-22.57	Average
12	5.347	9.90	23.02	32.92	60.00	-27.08	QP

FCC §15.205 & §15.209 - RADIATED EMISSIONS TEST

Applicable Standard

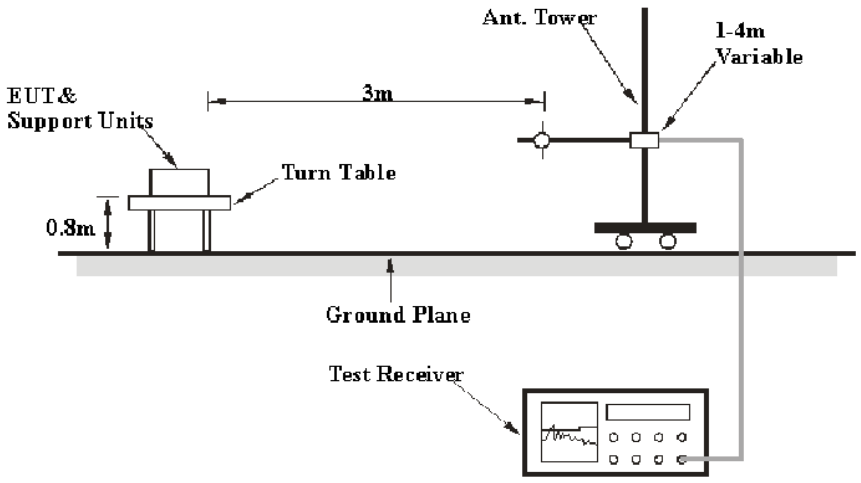
As per FCC Part 15.209

(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permItted under other sections of this part, e.g., §§15.231 and 15.241.

EUT Setup



The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part Subpart C limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	PK
150 kHz – 30 MHz	10 kHz	30 kHz	PK
30 MHz – 1000 MHz	120 kHz	300 kHz	QP

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, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

If the maximized peak measured value complies with the limit, then it is unnecessary to perform an QP/Average measurement

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit/Margin = Level/Result - Limit.
Level/Result = Reading level + Factor

Test Data

Environmental Conditions

Temperature:	24 °C
Relative Humidity:	64 %
ATM Pressure:	101 kPa

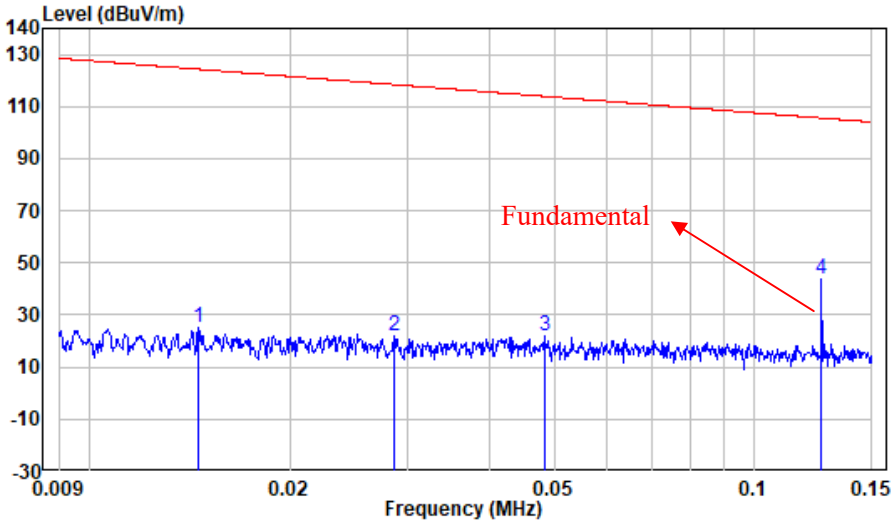
The testing was performed by Nick Fang on 2022-04-20 for below 30MHz, on 2022-04-20 for below 1GHz.

Test Mode: Transmitting

Note: Pre-scan EUT in x-axis, y-axis, z-axis, the worst case is y-axis as below.

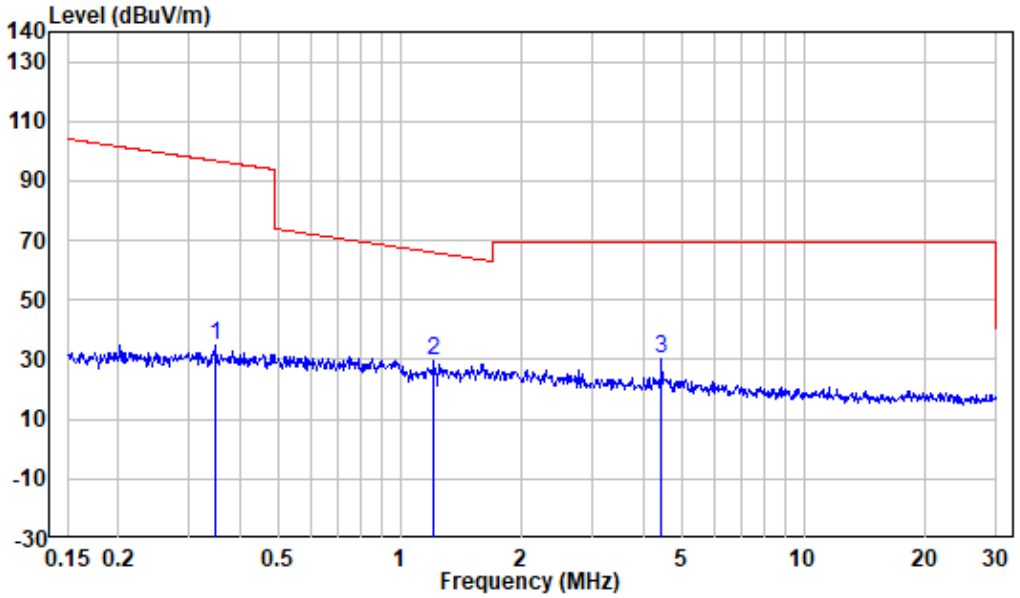
9 kHz~30MHz:

Powered by adapter



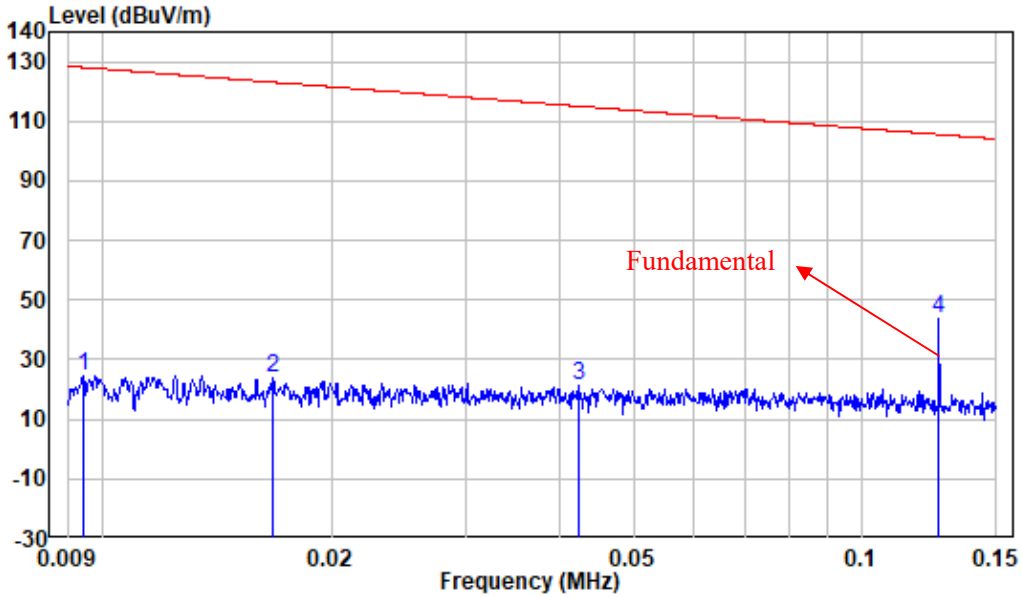
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Perpendicular

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.015	-11.51	36.58	25.07	124.32	-99.25	Peak
2	0.029	-11.64	33.61	21.97	118.45	-96.48	Peak
3	0.048	-11.54	33.53	21.99	113.93	-91.94	Peak
4	0.126	-11.84	55.65	43.81	105.60	-61.79	Peak



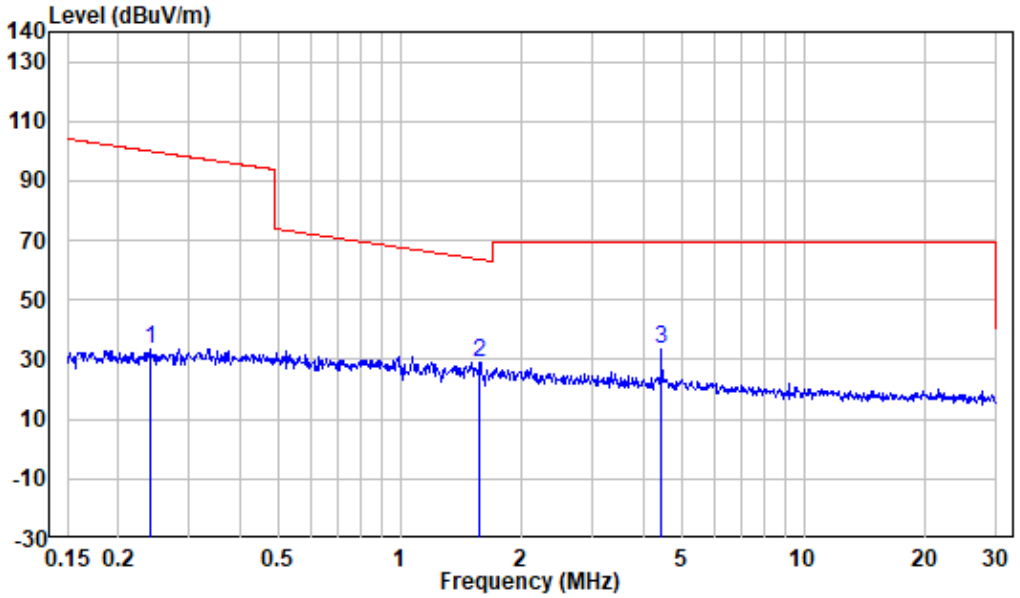
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Perpendicular

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.350	-11.76	46.34	34.58	96.72	-62.14	Peak
2	1.210	-11.53	41.07	29.54	65.78	-36.24	Peak
3	4.430	-11.69	42.29	30.60	69.54	-38.94	Peak



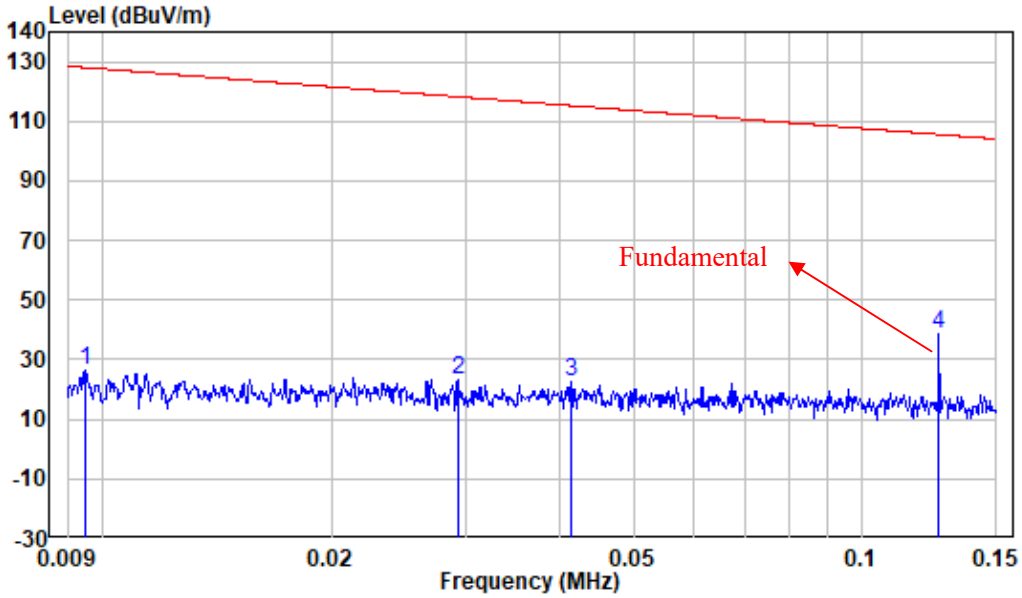
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.009	-11.35	35.83	24.48	128.10	-103.62	Peak
2	0.017	-11.58	35.41	23.83	123.12	-99.29	Peak
3	0.042	-11.57	33.04	21.47	115.08	-93.61	Peak
4	0.126	-11.84	55.55	43.71	105.60	-61.89	Peak



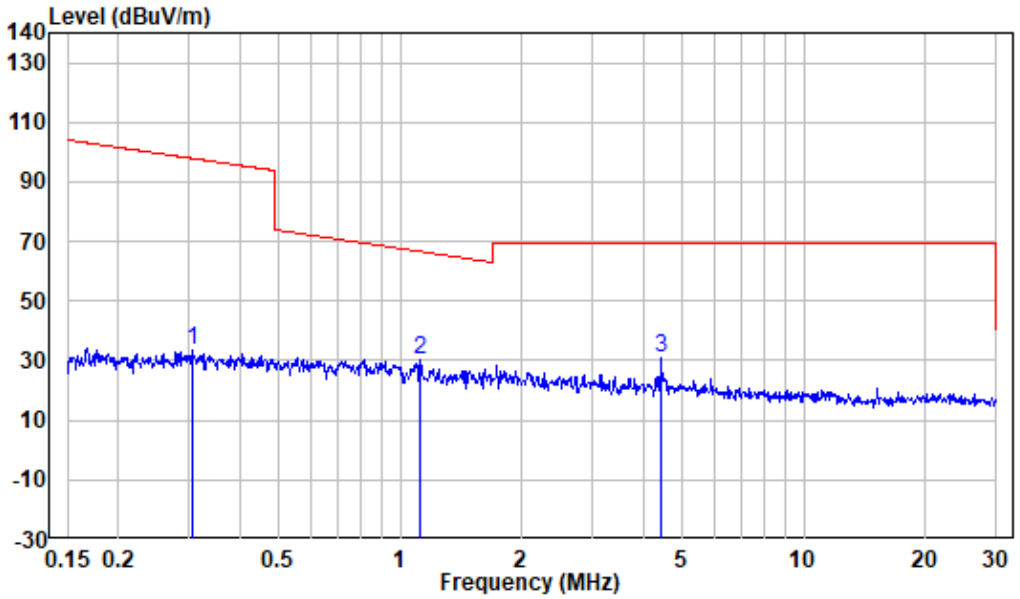
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.240	-11.91	45.66	33.75	99.99	-66.24	Peak
2	1.577	-11.43	40.76	29.33	63.43	-34.10	Peak
3	4.430	-11.69	45.00	33.31	69.54	-36.23	Peak



Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Ground-Parallel

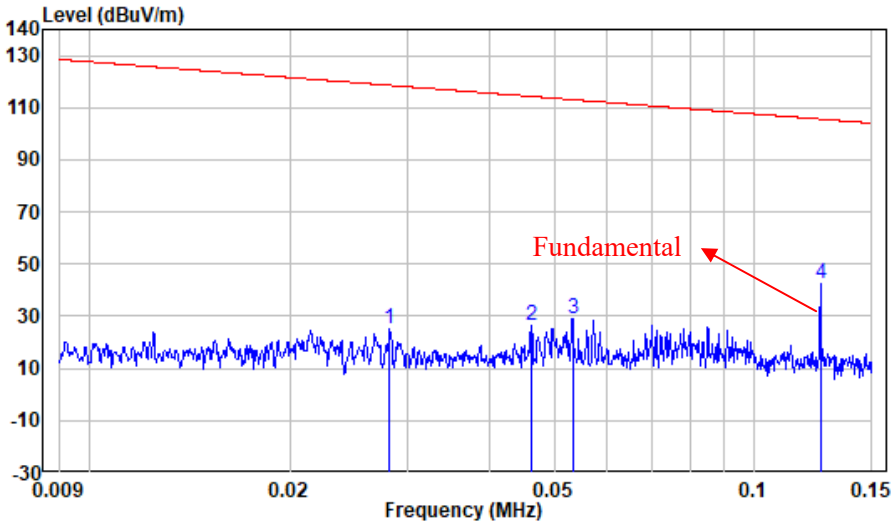
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.009	-11.35	37.58	26.23	128.06	-101.83	Peak
2	0.029	-11.64	35.10	23.46	118.26	-94.80	Peak
3	0.041	-11.58	34.08	22.50	115.27	-92.77	Peak
4	0.126	-11.84	50.58	38.74	105.60	-66.86	Peak



Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Ground-Parallel

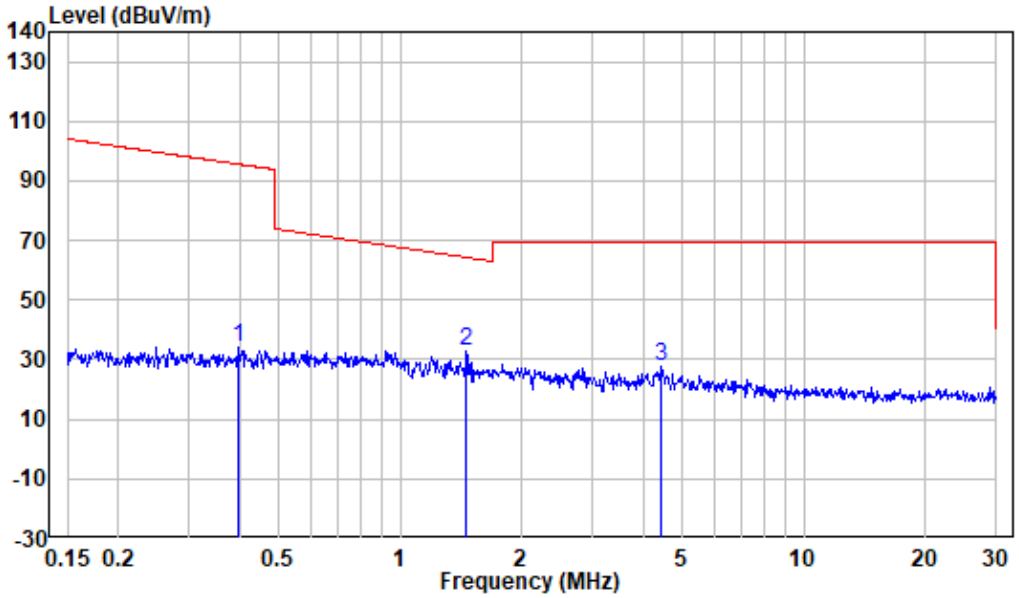
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.305	-11.81	45.13	33.32	97.92	-64.60	Peak
2	1.123	-11.56	41.79	30.23	66.44	-36.21	Peak
3	4.430	-11.69	42.41	30.72	69.54	-38.82	Peak

Powered by PoE



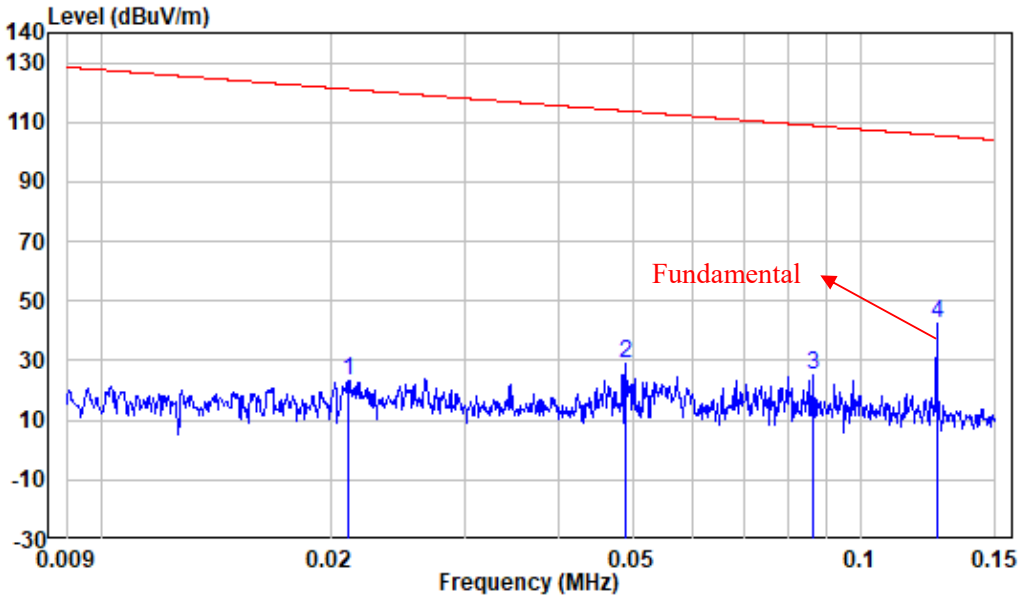
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Perpendicular

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.028	-11.65	36.55	24.90	118.57	-93.67	Peak
2	0.046	-11.55	37.85	26.30	114.30	-88.00	Peak
3	0.053	-11.53	40.48	28.95	113.08	-84.13	Peak
4	0.126	-11.84	54.11	42.27	105.62	-63.35	Peak



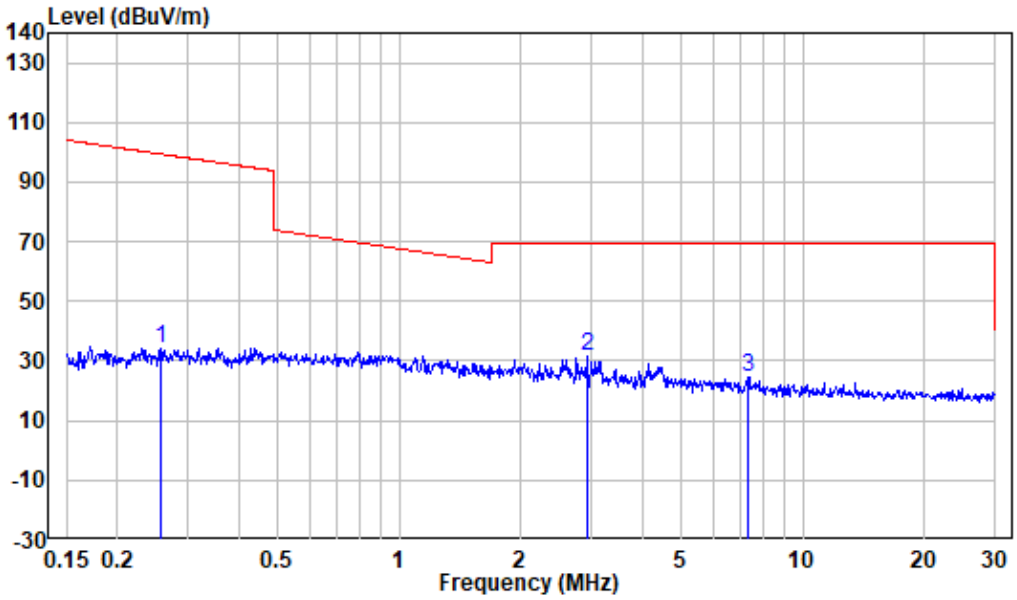
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Perpendicular

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.398	-11.70	45.91	34.21	95.61	-61.40	Peak
2	1.456	-11.46	44.29	32.83	64.14	-31.31	Peak
3	4.430	-11.69	39.26	27.57	69.54	-41.97	Peak



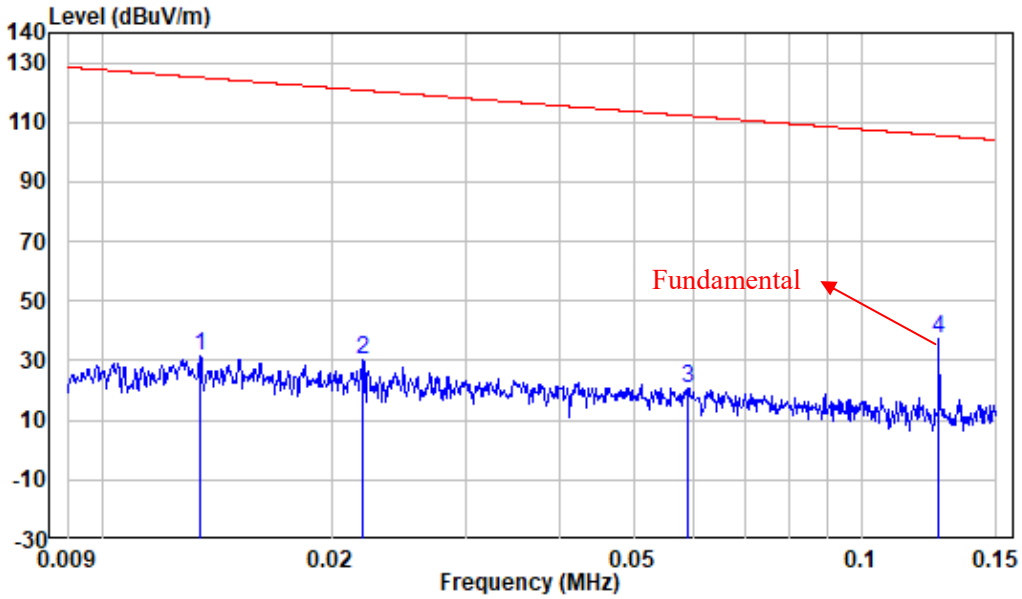
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.021	-11.69	35.08	23.39	121.09	-97.70	Peak
2	0.049	-11.53	40.57	29.04	113.81	-84.77	Peak
3	0.086	-11.57	36.89	25.32	108.90	-83.58	Peak
4	0.126	-11.84	54.13	42.29	105.62	-63.33	Peak



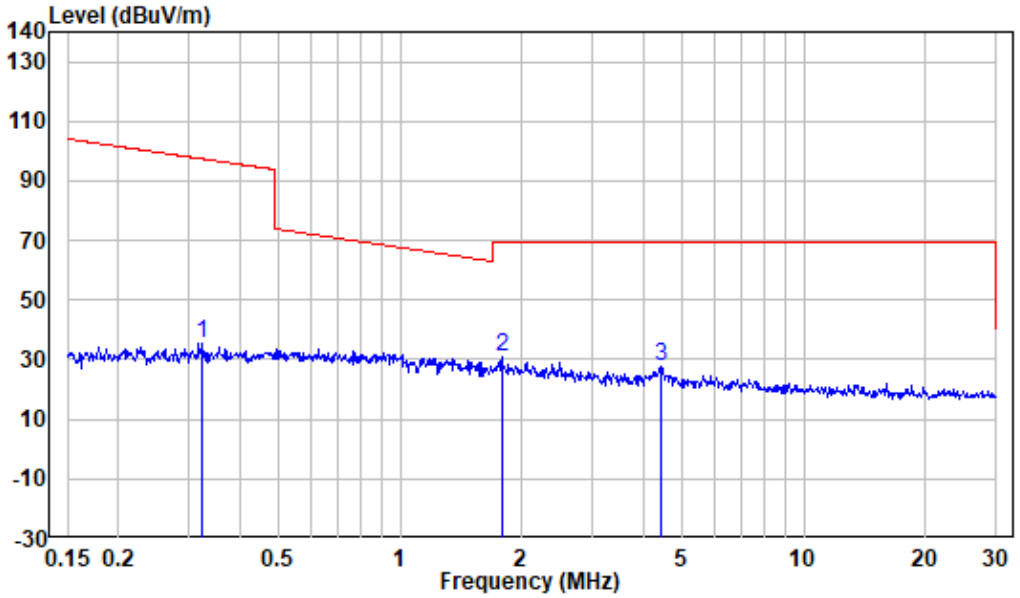
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.256	-11.88	46.30	34.42	99.43	-65.01	Peak
2	2.915	-11.83	43.13	31.30	69.54	-38.24	Peak
3	7.329	-11.41	35.88	24.47	69.54	-45.07	Peak



Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Ground-Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.013	-11.47	43.29	31.82	125.03	-93.21	Peak
2	0.022	-11.69	41.82	30.13	120.75	-90.62	Peak
3	0.059	-11.56	32.52	20.96	112.20	-91.24	Peak
4	0.126	-11.84	49.16	37.32	105.60	-68.28	Peak



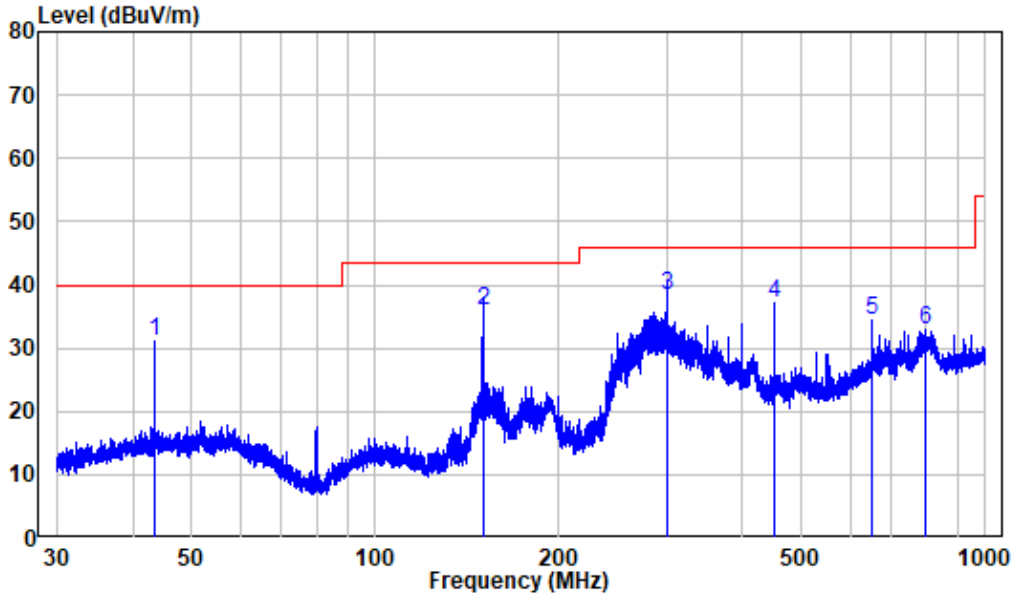
Site : chamber
Condition: 3m
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Ground-Parallel

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.323	-11.79	47.50	35.71	97.41	-61.70	Peak
2	1.790	-11.38	42.38	31.00	69.54	-38.54	Peak
3	4.430	-11.69	39.58	27.89	69.54	-41.65	Peak

30MHz~1GHz:

Powered by adapter

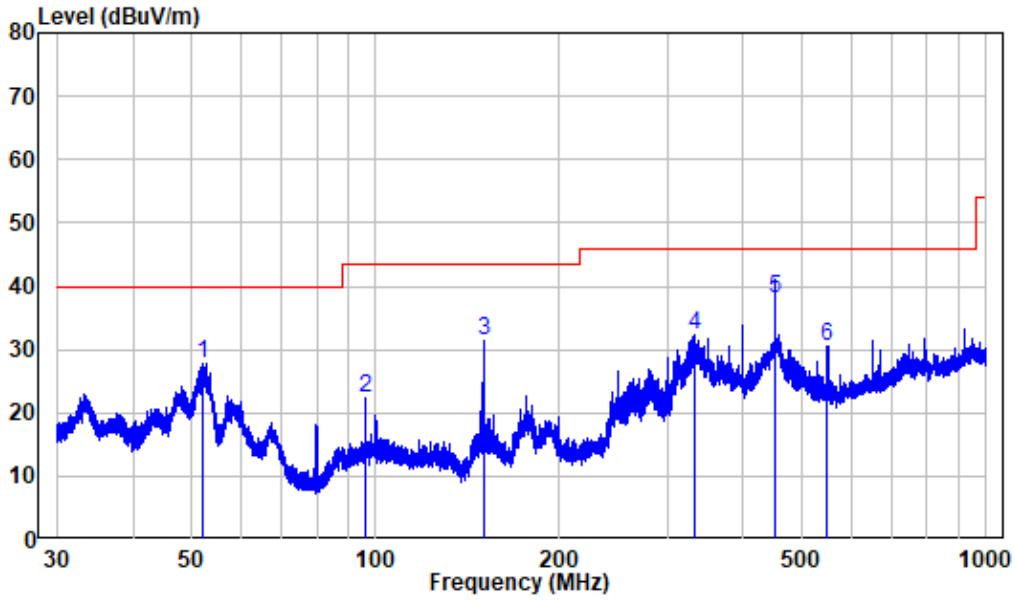
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Adapter

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	43.487	-9.93	41.04	31.11	40.00	-8.89	Peak
2	150.011	-15.27	51.21	35.94	43.50	-7.56	QP
3	300.104	-9.23	47.60	38.37	46.00	-7.63	QP
4	450.147	-5.62	42.60	36.98	46.00	-9.02	Peak
5	650.229	-1.72	36.18	34.46	46.00	-11.54	Peak
6	796.881	-0.28	33.25	32.97	46.00	-13.03	Peak

Vertical

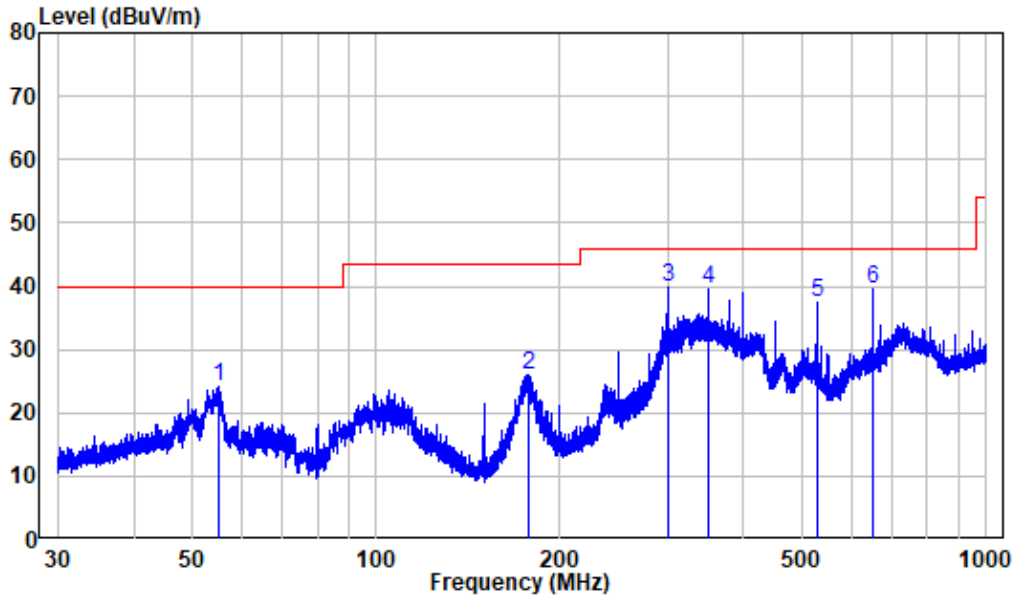


Site : chamber
Condition: 3m VERTICAL
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : Adapter

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	52.208	-10.01	37.92	27.91	40.00	-12.09	Peak
2	96.014	-12.30	34.69	22.39	43.50	-21.11	Peak
3	150.011	-15.27	46.66	31.39	43.50	-12.11	Peak
4	332.227	-7.82	40.06	32.24	46.00	-13.76	Peak
5	450.147	-5.62	43.53	37.91	46.00	-8.09	QP
6	549.983	-4.03	34.49	30.46	46.00	-15.54	Peak

Powered by PoE

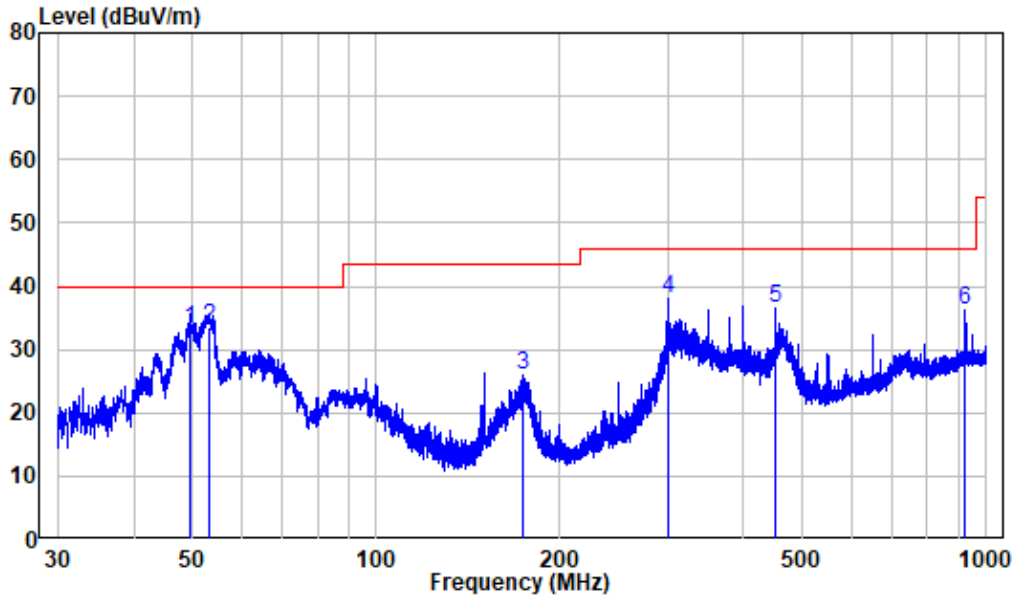
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : POE

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	55.052	-10.28	34.29	24.01	40.00	-15.99	Peak
2	177.509	-12.99	38.94	25.95	43.50	-17.55	Peak
3	300.104	-9.23	49.09	39.86	46.00	-6.14	Peak
4	350.016	-7.31	46.77	39.46	46.00	-6.54	Peak
5	528.014	-4.48	41.95	37.47	46.00	-8.53	Peak
6	650.229	-1.72	41.24	39.52	46.00	-6.48	Peak

Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : SZNS220223-05646E-RF
Test Mode: TX
Note : POE

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	49.403	-9.94	43.00	33.06	40.00	-6.94	QP
2	53.085	-10.18	43.79	33.61	40.00	-6.39	QP
3	173.585	-13.22	39.07	25.85	43.50	-17.65	Peak
4	300.104	-9.23	47.26	38.03	46.00	-7.97	Peak
5	450.147	-5.62	42.03	36.41	46.00	-9.59	Peak
6	924.540	1.77	34.54	36.31	46.00	-9.69	Peak

******* END OF REPORT *******