

**TEST REPORT**

**Application No.:** GZCR2205000598AT  
**Applicant:** DT Research, Inc.  
**Address of Applicant:** 3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI, Taiwan  
**Manufacturer:** DT Research, Inc.  
**Address of Manufacturer:** 2000 Concourse Drive, San Jose, CA 95131, USA  
**Factory:** DT Research, Inc. Taiwan Branch  
**Address of Factory:** 6F., No.36 Wuquan 7 th Rd., Wugu Dist. New Taipei City 248 Taiwan  
**Equipment Under Test (EUT):**  
**EUT Name:** Mobile Tablet  
**Model No.:** 313T/MD, 313xxxx(x= 0-9, A-Z, - or null, or .,or /) ♦  
\* Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

**Trade Mark:**

**FCC ID:** YE3600-AX210NG  
**Standard(s) :** 47 CFR Part 15, Subpart C 15.247  
**Date of Receipt:** 2022-05-16  
**Date of Test:** 2022-05-17 to 2022-05-30  
**Date of Issue:** 2022-06-08

Test Result:	Pass*
* In the configuration tested, the EUT complied with the standards specified above.	

Kobe Jian  
EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-06-08		Original

Authorized for issue by			
		Curry Wu/Project Engineer	
		Ricky Liu/Reviewer	

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## 2 Test Summary

<b>Radio Spectrum Technical Requirement</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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**Remark:**

Model No.: 313T/MD, 313xxxx(x= 0-9, A-Z, - or null, or .,or /)

Only the model 313T/MD was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model No..

This report is prepared for FCC class II permissive change.

The modular approval by TCB, FCC ID:YE3600-AX210NG, Granted on 05/06/2022.

The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. The Original FCC testing on module under FCC ID: PD9AX210NG was performed with an antenna of higher gain, and the antenna was connected to the module in an open environment. The current host platform under application is used a new antenna of the same type and higher gain than the original certified module. Also, the band above 6GHz(5925-7125MHz) is blocked by the software for the module, and it is installed inside the host platform enclosure.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model 313T/MD and shown the data in this report.

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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	Medical AC Adapter1 Model: EM10681V AC Input: AC 100-240V, 2.0-1.0A, 50-60Hz Output: DC 19V, 3.78A, 72W
	Medical AC Adapter2 Model: EM11011M-190 AC Input: AC 100-240V, 2.0-1.0A, 50-60Hz Output: DC 19.0V, 6.31A, 120.0W
	Rechargeable Lithium-Ion Polymer Battery Model: ACC-006-60K(3ICP9/36/115) Rated Capacity: 5400mAh Voltage: DC 11.4V Watt-Hour: 61.56Wh Max Charge Voltage: 13.05V
	Wall Mount Cradle1: ACC-008-113MD(with R1.1 PCBA) Wall Mount Cradle2: ACC-008-113MD(with R1.2 PCBA) Desktop Cradle: ACC-008-72HMD Keyboard Cradle: ACC-KB13TS-M1
Test Voltage:	AC 120V, 60Hz Note: Both nominal AC 120V, 60Hz and AC 240 V, 60Hz are required for testing in accordance with FCC KDB174176, this report only shows the results of the worst test result(AC 120V, 60Hz);
Cable(s):	DC cable: 180cm with a ferrite core
Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V5.2
Channel Spacing:	2MHz
Modulation Type:	GFSK
Number of Channels:	40
Data rate:	1Mbps,2Mbps
Antenna Type:	PIFA Antenna
Antenna Gain:	1.8dBi

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#### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.

#### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±2.76dB
Radiated Emissions which fall in the restricted bands	±5.00dB (30MHz-1GHz; 3m); ± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz)
Radiated Spurious Emissions (Below 1GHz)	±5.00dB (30MHz-1GHz; 3m); ±4.38dB (30MHz-1GHz; 10m);
Radiated Spurious Emissions (Above 1GHz)	± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz)

#### 4.4 Test Location

All tests were performed at:

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198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

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No tests were sub-contracted.

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## 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None

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## 5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Network	Rohde & Schwarz	ENV216	EMC0118	2021-12-23	2022-12-22
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2021-09-24	2022-09-23
Coaxial Cable	HangTianXing	2m	EMC0107	2020-09-09	2022-09-08
Test Software E3c	Audix	Ver. 5.4.1221b	GZE100-62	N/A	N/A
EMI Test Receiver(9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2021-06-01	2022-05-31

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver (20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020-09-09	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-12-17	2022-12-16
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2021-12-17	2022-12-16
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2021-11-01	2022-10-31
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2021-09-16	2022-09-15
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-29	2022-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2021-08-30	2022-08-29

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08

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Trilog Broadband Antenna (25MHz-1GHz)- Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2022-03-03	2025-03-02
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2021-05-19	2022-05-18
High Pass Filter (915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2021-12-17	2022-12-16
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Active Loop Antenna	Fischer Custom Communications Inc.	F-1000-4-8-9/10-L-1M	EMC0704	2022-04-01	2025-03-31

Radiated Spurious Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver (20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020-09-09	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-12-17	2022-12-16
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2021-12-17	2022-12-16
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2021-11-01	2022-10-31
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2021-09-16	2022-09-15
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-29	2022-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2021-08-30	2022-08-29

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2021-07-05	2022-07-05
DMM	Fluke	73	EMC0007	2021-07-05	2022-07-05

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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

#### 6.1.2 Conclusion

##### 15.203 Requirement:

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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of 15.211, 15.213, 15.217, 15.219, 15.221, or 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

##### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### EUT Antenna:

The antenna connector is a IPEX type that comply with Part15.203, the best case gain of the antenna is 1.8dBi.

Antenna location: Refer to internal photo.



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## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 7.1.1 E.U.T. Operation

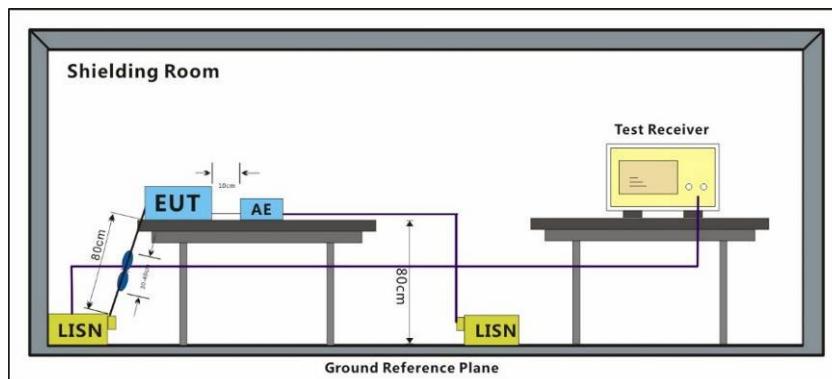
Operating Environment:

Temperature: 21.5 °C Humidity: 48.4 % RH Atmospheric Pressure: 1015 mbar

#### 7.1.2 Test Mode Description

Pre-scan / Mode Final test	Mode Code	Description
Final test	14	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter1).
Pre-scan	29	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter2).

#### 7.1.3 Test Setup Diagram



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**7.1.4 Measurement Procedure and Data**

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor



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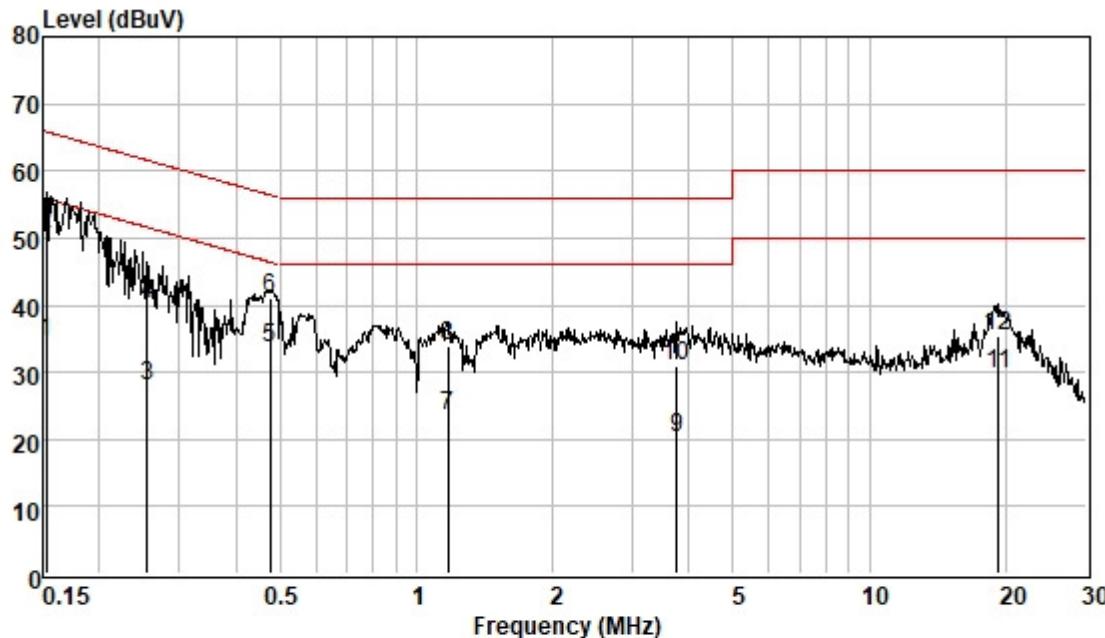
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Test Mode: 14; Line: Live line



Pol :LINE

Mode :

Model :

	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	24.99	0.06	9.54	34.59	55.87	-21.28	Average
2	0.152	41.01	0.06	9.54	50.61	65.87	-15.26	QP
3	0.255	18.28	0.06	9.57	27.91	51.60	-23.69	Average
4	0.255	30.38	0.06	9.57	40.01	61.60	-21.59	QP
5	0.476	23.97	0.07	9.59	33.63	46.41	-12.78	Average
6	0.476	31.46	0.07	9.59	41.12	56.41	-15.29	QP
7	1.172	13.74	0.08	9.60	23.42	46.00	-22.58	Average
8	1.172	24.35	0.08	9.60	34.03	56.00	-21.97	QP
9	3.759	10.56	0.16	9.63	20.35	46.00	-25.65	Average
10	3.759	21.24	0.16	9.63	31.03	56.00	-24.97	QP
11	19.224	19.45	0.36	9.84	29.65	50.00	-20.35	Average
12	19.224	25.32	0.36	9.84	35.52	60.00	-24.48	QP

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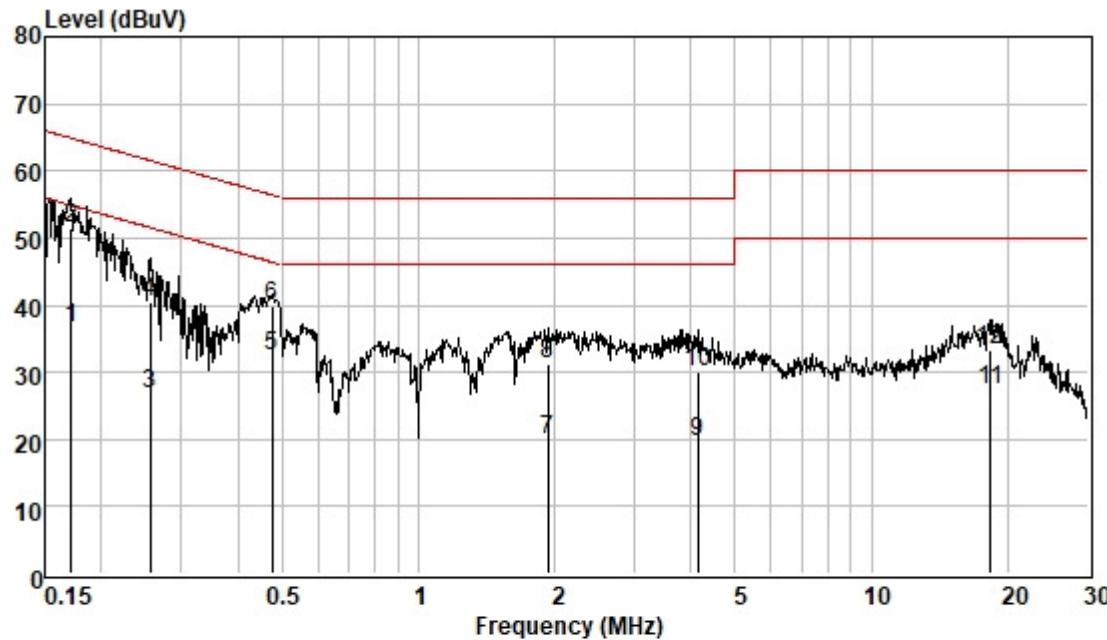


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Test Mode: 14; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.171	26.93	0.06	9.54	36.53	54.90	-18.37	Average
2	0.171	41.96	0.06	9.54	51.56	64.90	-13.34	QP
3	0.256	17.10	0.06	9.56	26.72	51.56	-24.84	Average
4	0.256	30.73	0.06	9.56	40.35	61.56	-21.21	QP
5	0.476	22.76	0.07	9.58	32.41	46.41	-14.00	Average
6	0.476	30.33	0.07	9.58	39.98	56.41	-16.43	QP
7	1.928	10.36	0.12	9.59	20.07	46.00	-25.93	Average
8	1.928	21.50	0.12	9.59	31.21	56.00	-24.79	QP
9	4.136	9.95	0.17	9.63	19.75	46.00	-26.25	Average
10	4.136	20.18	0.17	9.63	29.98	56.00	-26.02	QP
11	18.328	17.01	0.35	9.89	27.25	50.00	-22.75	Average
12	18.328	23.01	0.35	9.89	33.25	60.00	-26.75	QP

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**7.2 Radiated Emissions which fall in the restricted bands**

Test Requirement 47 CFR Part 15, Subpart C 15.205 &amp; 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

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

Remark: 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 above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

**7.2.1 E.U.T. Operation**

Operating Environment:

Temperature: 20.2 °C      Humidity: 53.3 % RH      Atmospheric Pressure: 1015 mbar

**7.2.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Pre-scan	13	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter1).
Final test	14	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter1).
Pre-scan	28	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter2).
Pre-scan	29	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter2).

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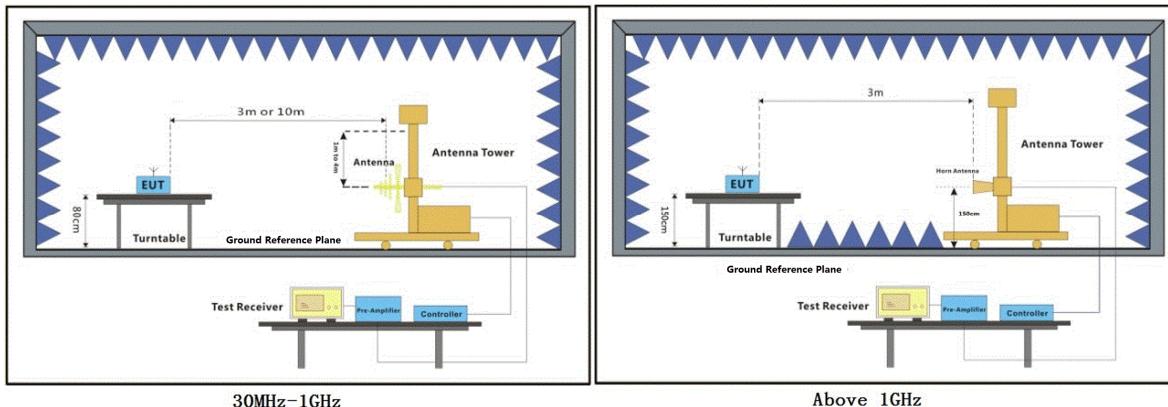
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### 7.2.3 Test Setup Diagram



### 7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

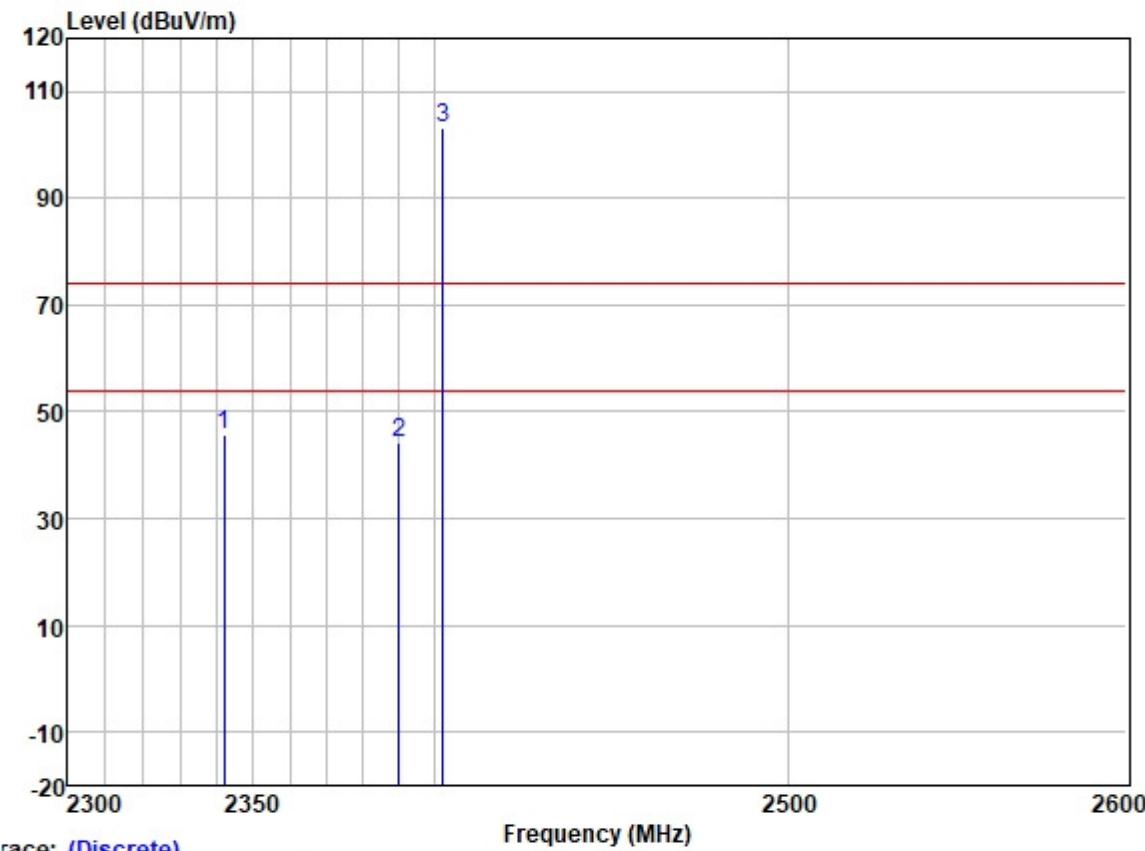


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Test data for 1Mbps

Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:Low



	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2341.937	52.88	27.22	3.37	37.61	45.86	74.00	-28.14	HORIZONTAL Peak
2	2390.000	50.96	27.33	3.48	37.59	44.18	74.00	-29.82	HORIZONTAL Peak
3 *	2402.000	109.85	27.35	3.50	37.59	103.11	74.00	29.11	HORIZONTAL Peak

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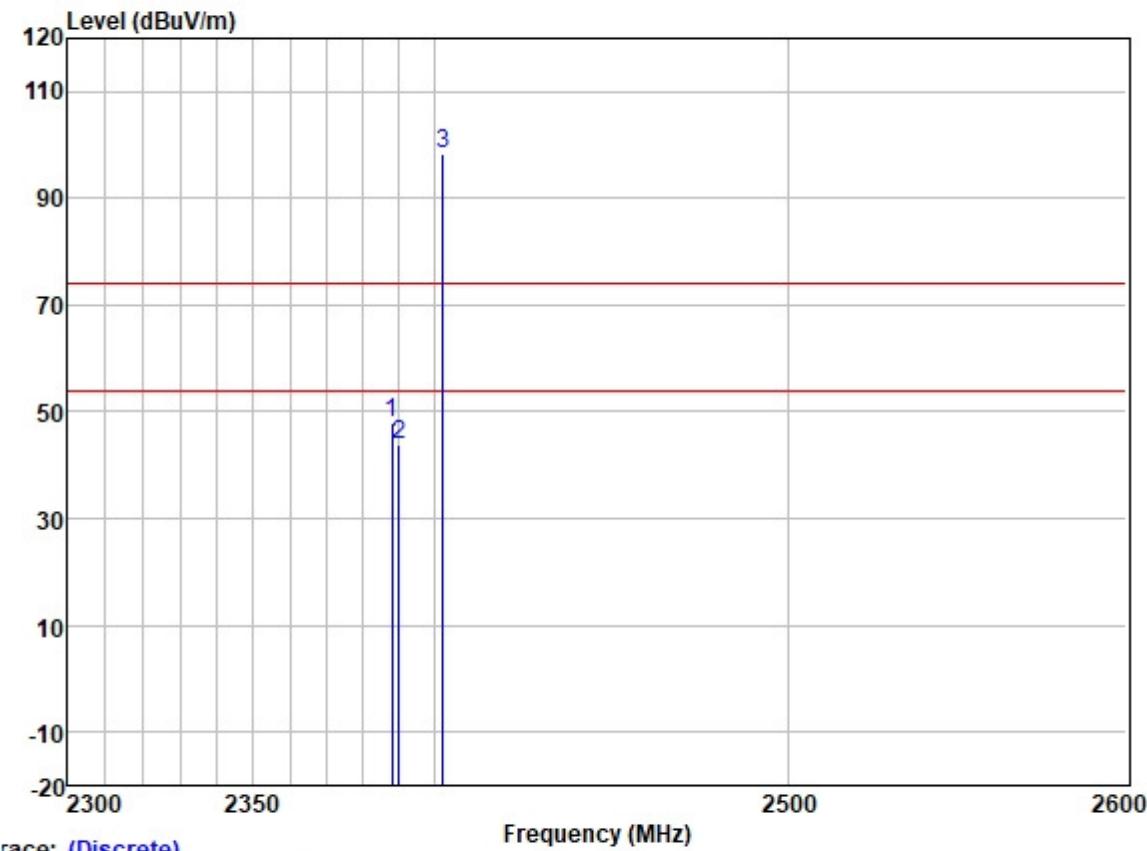
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:Low



Trace: (Discrete)

Freq	Read	Antenna	Cable	Preamp	Limit	Over	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2387.938	54.56	27.33	3.48	37.59	47.78	74.00	-26.22	VERTICAL Peak
2 2390.000	50.69	27.33	3.48	37.59	43.91	74.00	-30.09	VERTICAL Peak
3 * 2402.000	104.93	27.35	3.50	37.59	98.19	74.00	24.19	VERTICAL Peak

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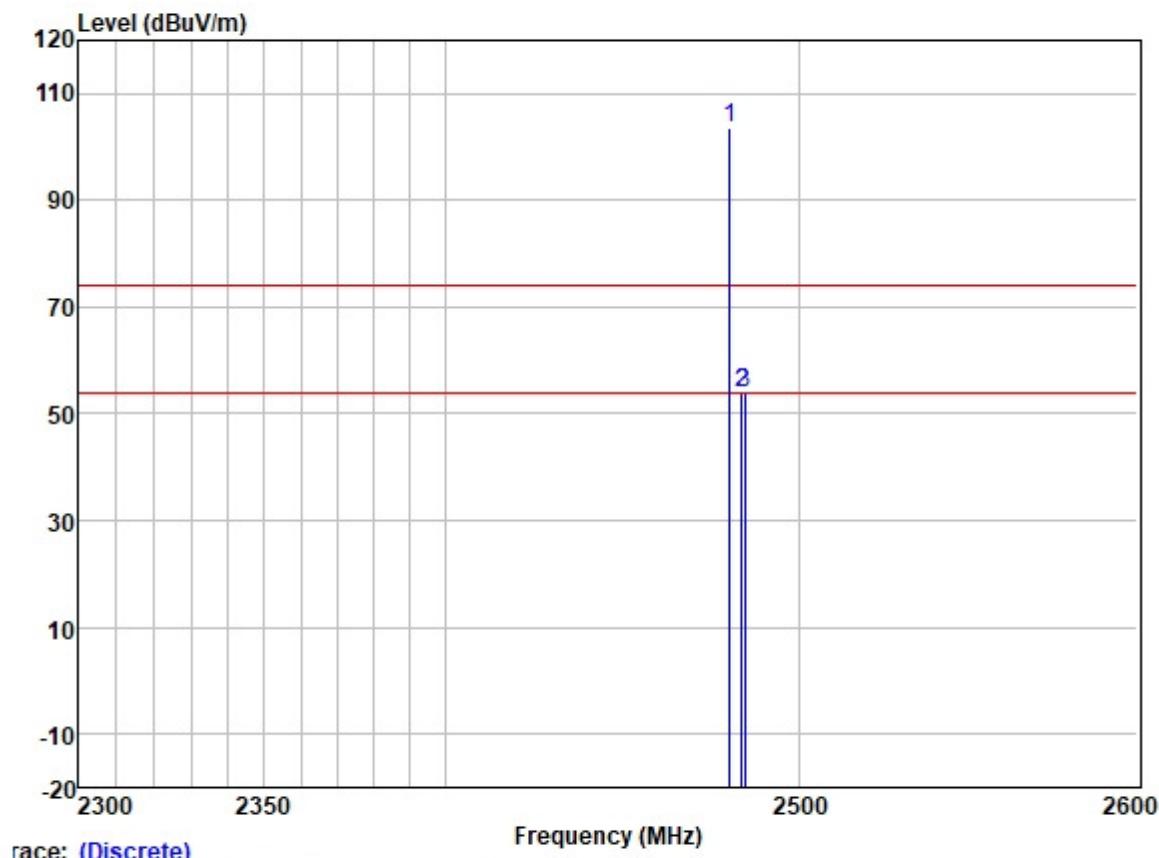
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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:High



Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Line	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 * 2480.000	110.04	27.47	3.60	37.57	103.54	74.00	29.54	HORIZONTAL	Peak	
2 2483.500	60.35	27.48	3.53	37.57	53.79	74.00	-20.21	HORIZONTAL	Peak	
3 2484.196	60.51	27.48	3.53	37.57	53.95	74.00	-20.05	HORIZONTAL	Peak	

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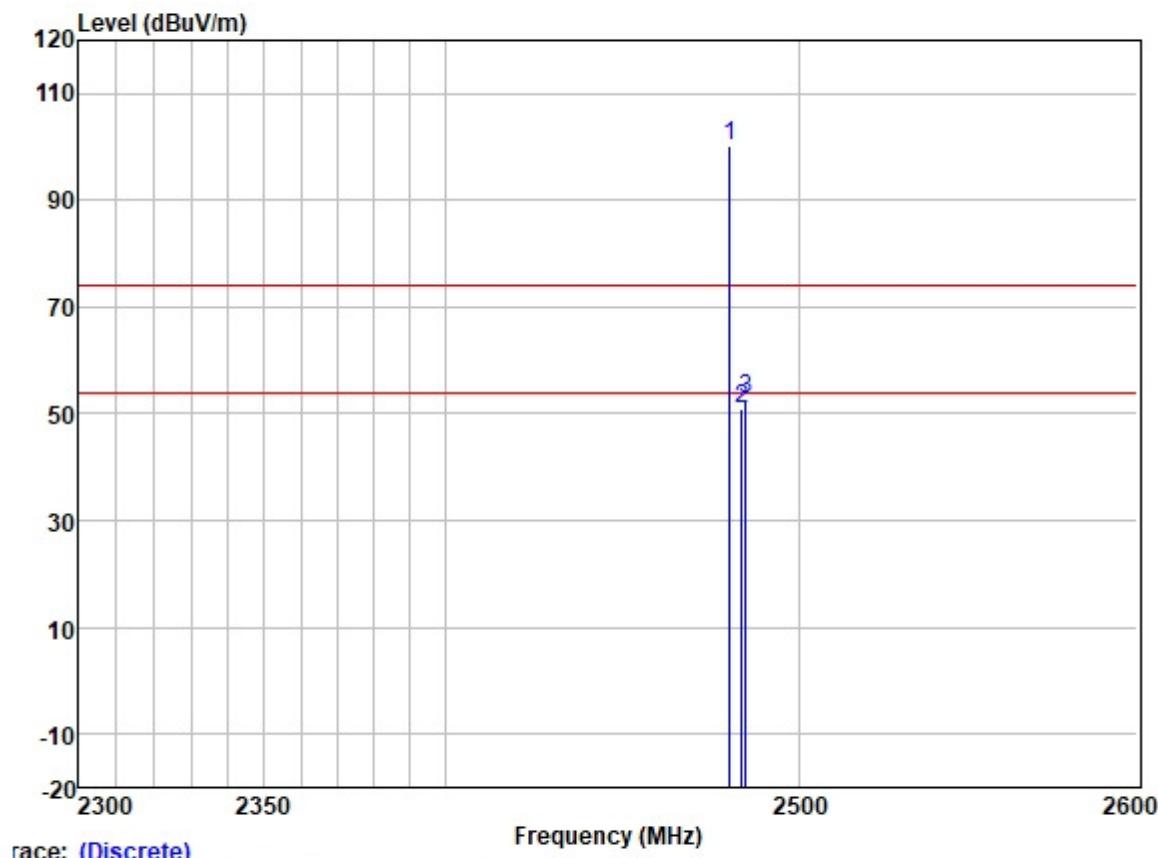
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:High



Race: (Discrete)	ReadAntenna		Cable		Preamp		Limit Line	Over Line	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2480.000	106.78	27.47	3.60	37.57	100.28	74.00	26.28	VERTICAL	Peak
2	2483.500	57.31	27.48	3.53	37.57	50.75	74.00	-23.25	VERTICAL	Peak
3	2484.545	59.40	27.48	3.53	37.57	52.84	74.00	-21.16	VERTICAL	Peak

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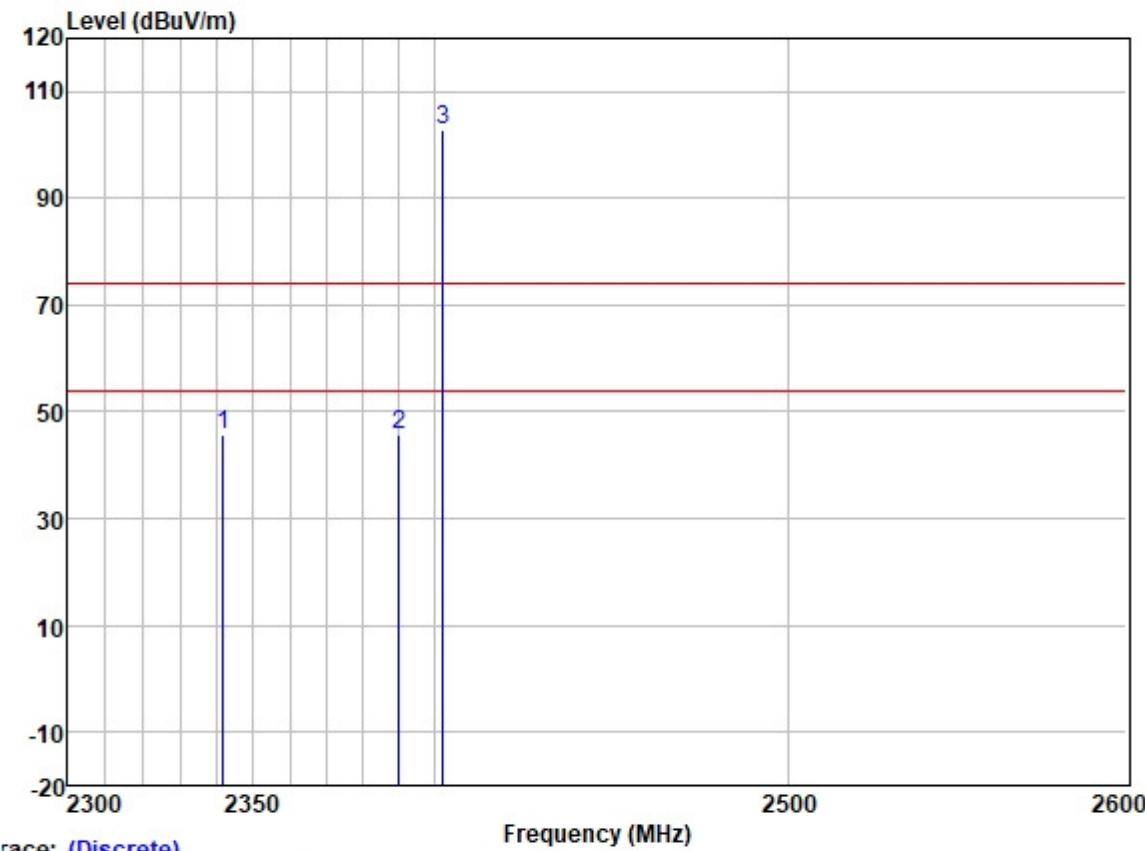
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Test data for 2Mbps

Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 2341.739	52.80	27.22	3.37	37.61	45.78	74.00	-28.22	HORIZONTAL	Peak	
2 2390.000	52.43	27.33	3.48	37.59	45.65	74.00	-28.35	HORIZONTAL	Peak	
3 * 2402.000	109.63	27.35	3.50	37.59	102.89	74.00	28.89	HORIZONTAL	Peak	

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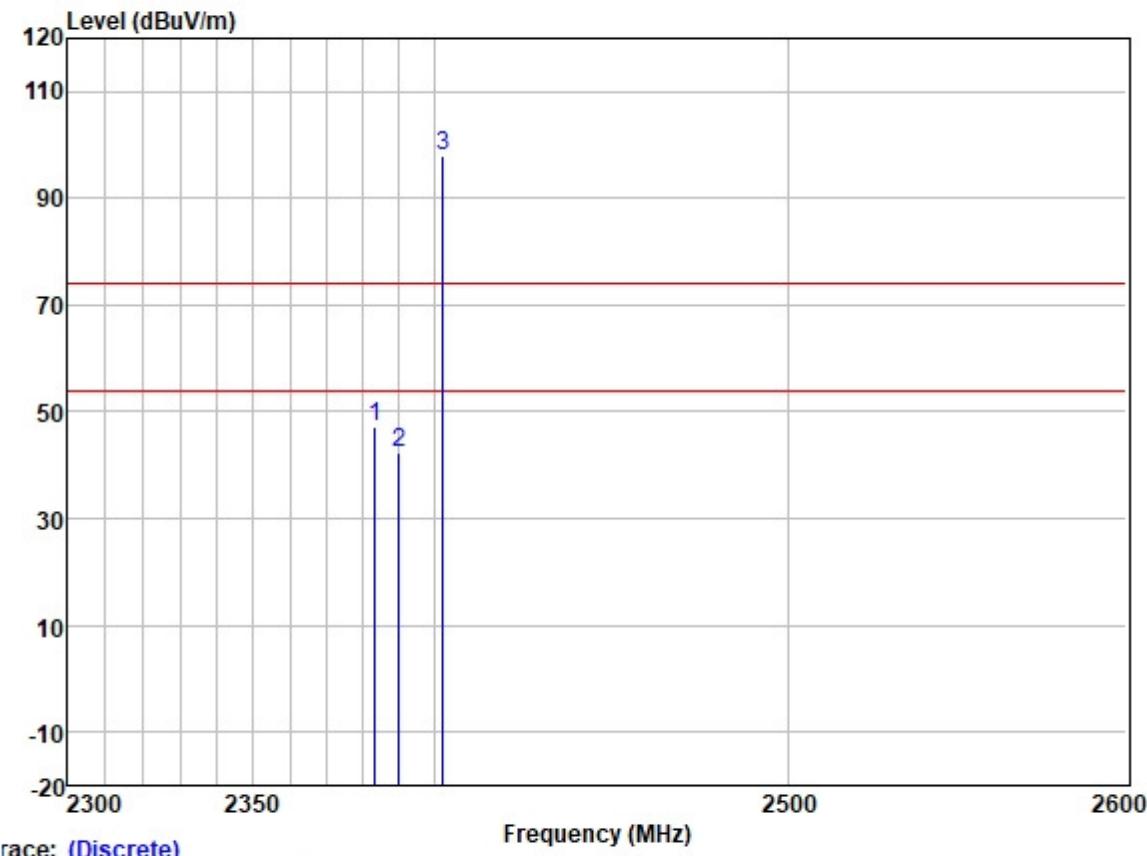
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:Low



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 2383.187	54.12	27.31	3.46	37.60	47.29	74.00	-26.71	VERTICAL	Peak	
2 2390.000	49.25	27.33	3.48	37.59	42.47	74.00	-31.53	VERTICAL	Peak	
3 * 2402.000	104.77	27.35	3.50	37.59	98.03	74.00	24.03	VERTICAL	Peak	

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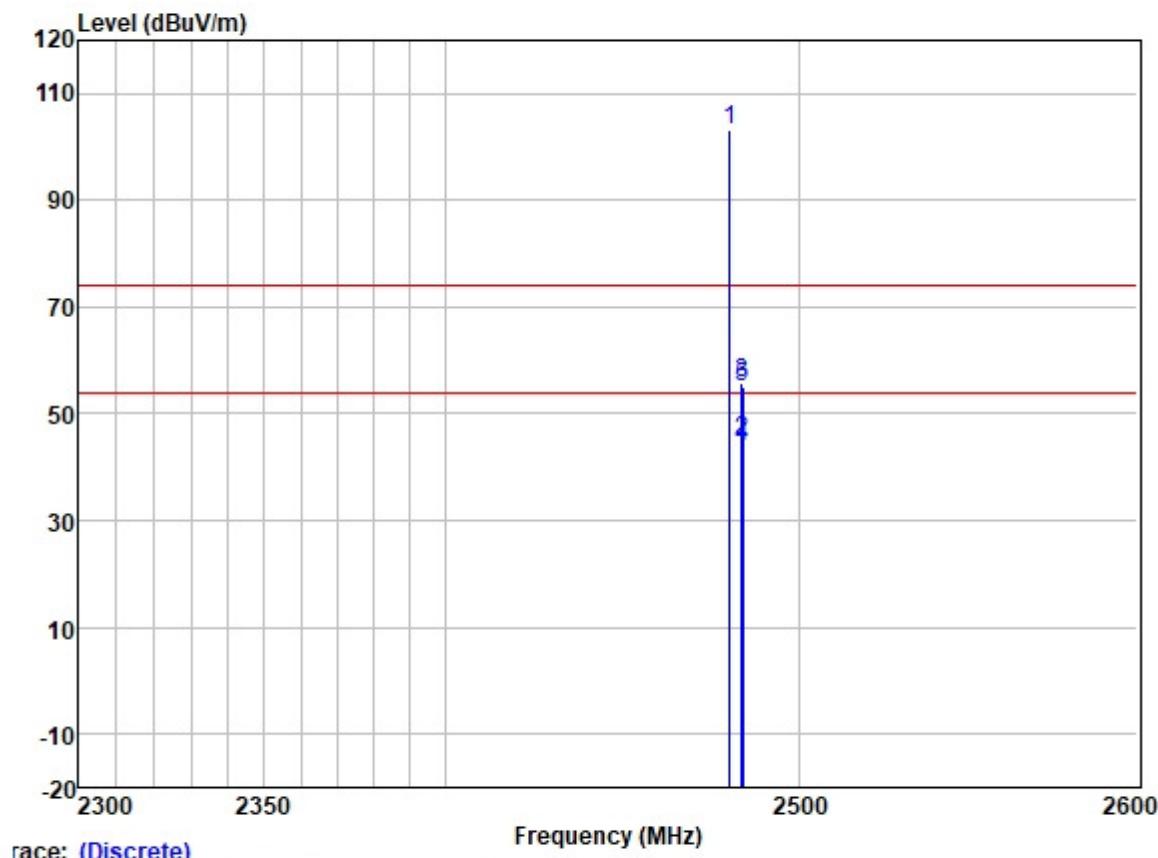
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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 * 2480.000	109.84	27.47	3.60	37.57	103.34	74.00	29.34	HORIZONTAL	Peak	
2 2483.500	51.41	27.48	3.53	37.57	44.85	54.00	-9.15	HORIZONTAL	Average	
3 2483.500	62.27	27.48	3.53	37.57	55.71	74.00	-18.29	HORIZONTAL	Peak	
4 2483.846	50.58	27.48	3.53	37.57	44.02	54.00	-9.98	HORIZONTAL	Average	
5 2483.846	61.63	27.48	3.53	37.57	55.07	74.00	-18.93	HORIZONTAL	Peak	

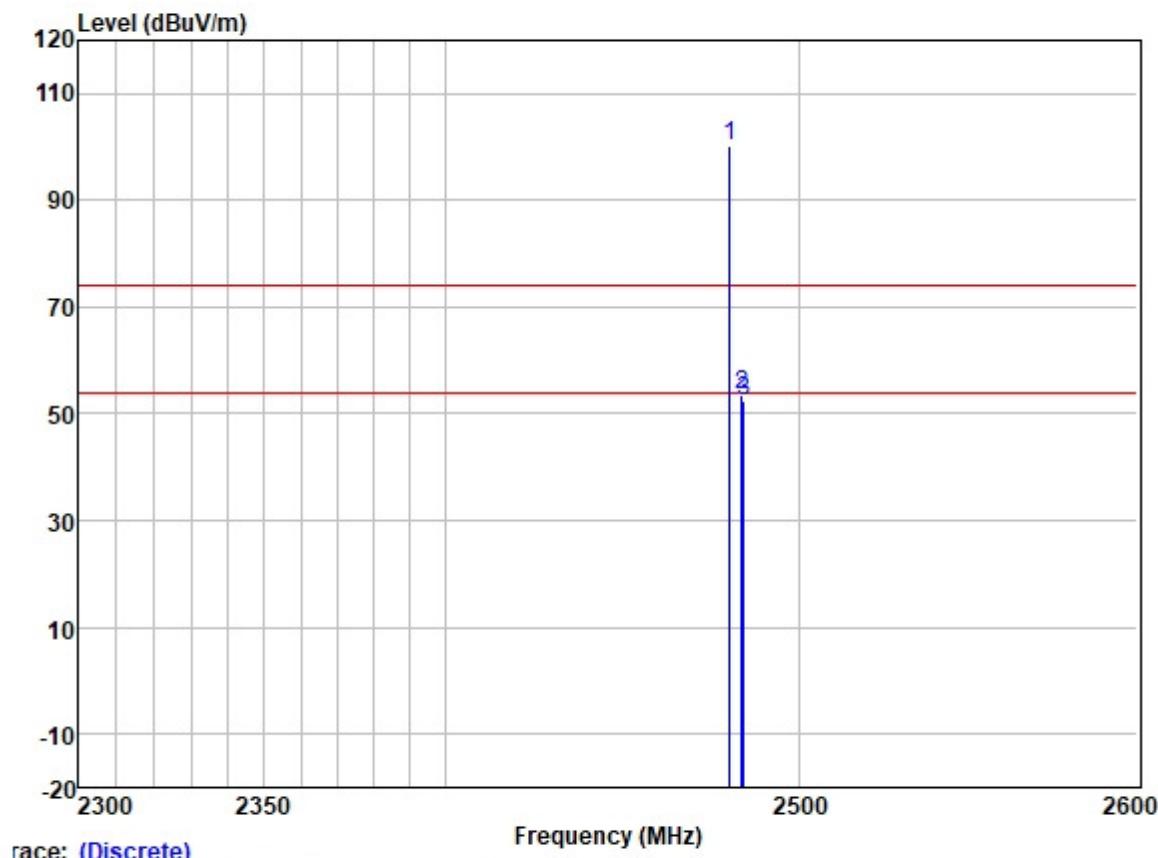
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:High



Trace: (Discrete)

Freq	Read	Antenna	Cable	Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor						
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB		
1 *	2480.000	106.67	27.47	3.60	37.57	100.17	74.00	26.17	VERTICAL	Peak
2	2483.500	60.23	27.48	3.53	37.57	53.67	74.00	-20.33	VERTICAL	Peak
3	2483.896	58.87	27.48	3.53	37.57	52.31	74.00	-21.69	VERTICAL	Peak

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**7.3 Radiated Spurious Emissions (Below 1GHz)**

Test Requirement 47 CFR Part 15, Subpart C 15.205 &amp; 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Limit:

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

Remark: 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 above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

**7.3.1 E.U.T. Operation**

Operating Environment:

Temperature: 20.2 °C      Humidity: 45.2 % RH      Atmospheric Pressure: 1015 mbar

**7.3.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Pre-scan	13	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter1).
Final test	14	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter1).
Pre-scan	28	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter2).
Pre-scan	29	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter2).

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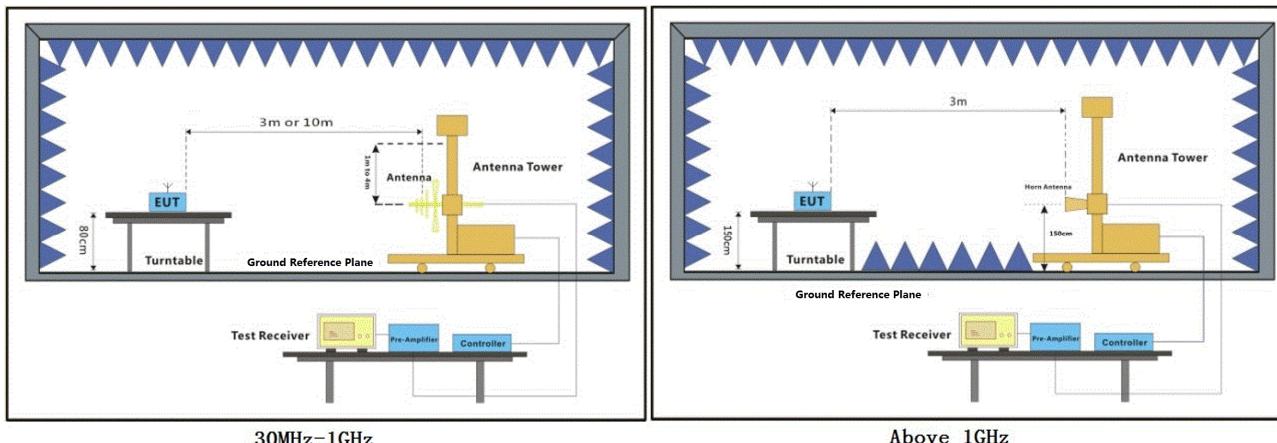


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**7.3.3 Test Setup Diagram**

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**7.3.4 Measurement Procedure and Data**

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

**Remark:**

- 1) Through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 1 GHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

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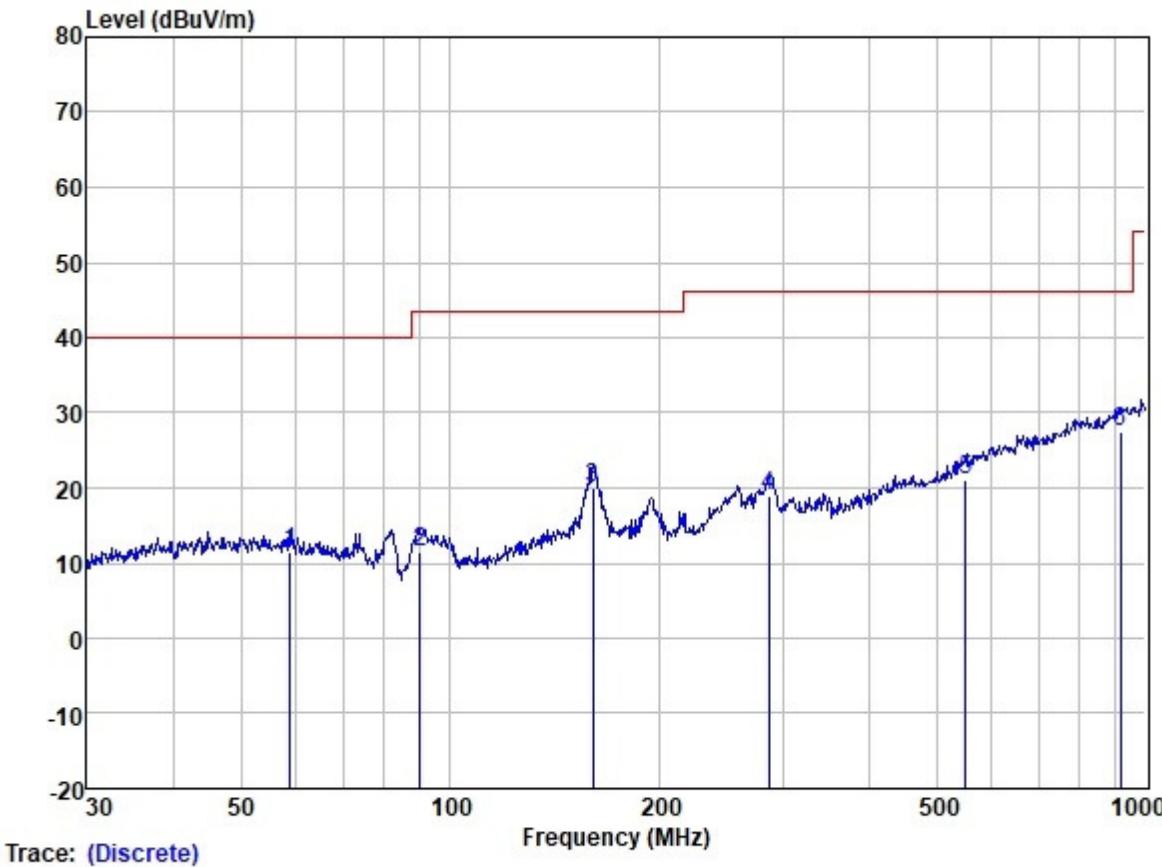
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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : SGS  
Job :  
Model :  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 58.819	24.36	13.02	1.24	27.09	11.53	40.00	-28.47	HORIZONTAL	QP
2 90.537	29.27	7.65	1.62	27.01	11.53	43.50	-31.97	HORIZONTAL	QP
3 160.346	31.10	13.31	2.33	26.67	20.07	43.50	-23.43	HORIZONTAL	QP
4 286.982	29.44	12.89	3.12	26.51	18.94	46.00	-27.06	HORIZONTAL	QP
5 550.948	25.93	18.27	4.83	28.07	20.96	46.00	-25.04	HORIZONTAL	QP
6 919.287	24.32	23.84	7.01	27.67	27.50	46.00	-18.50	HORIZONTAL	QP

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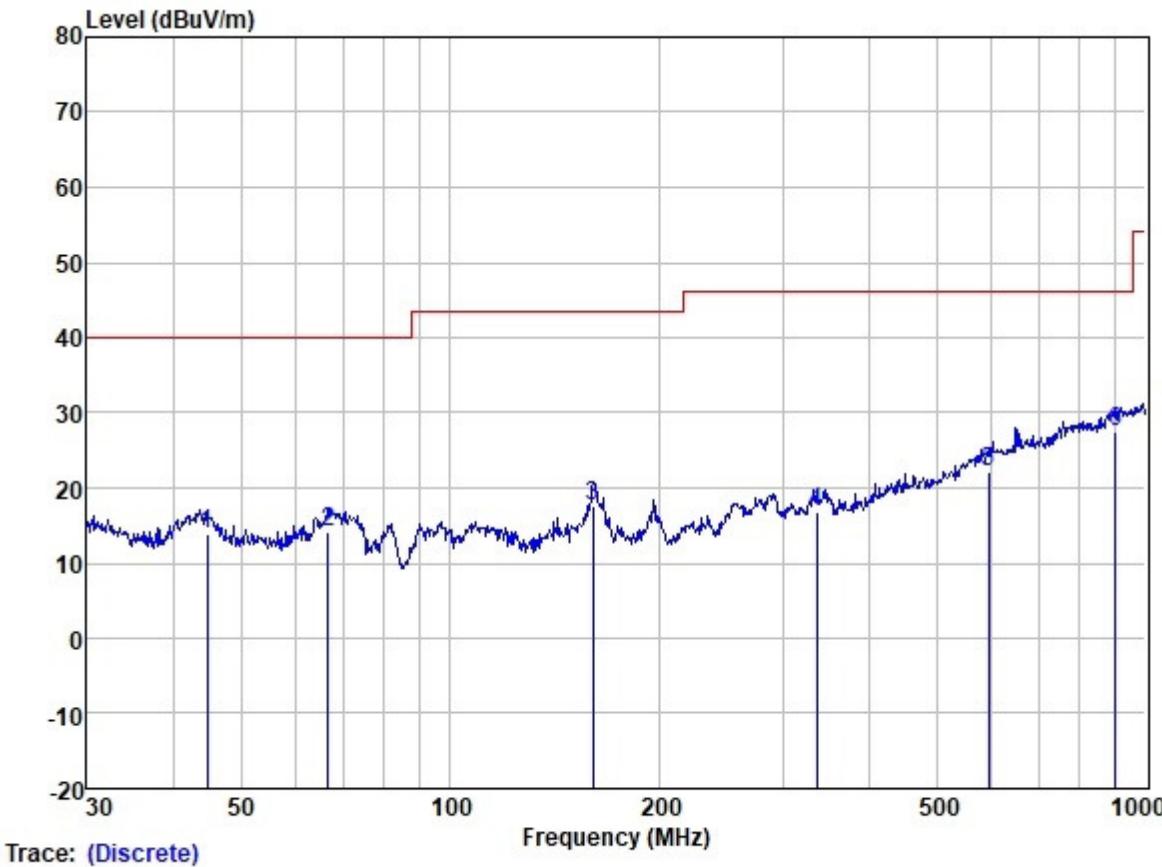
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : SGS  
Job :  
Model :  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1	44.743	26.51	13.42	1.12	27.10	13.95	40.00	-26.05	VERTICAL QP
2	66.733	28.04	11.87	1.37	27.07	14.21	40.00	-25.79	VERTICAL QP
3	160.346	28.73	13.31	2.33	26.67	17.70	43.50	-25.80	VERTICAL QP
4	336.035	25.79	14.21	3.46	26.72	16.74	46.00	-29.26	VERTICAL QP
5	593.050	25.79	19.46	5.10	28.19	22.16	46.00	-23.84	VERTICAL QP
6	903.309	25.11	23.23	6.92	27.69	27.57	46.00	-18.43	VERTICAL QP

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**7.4 Radiated Spurious Emissions (Above 1GHz)**

Test Requirement 47 CFR Part 15, Subpart C 15.205 &amp; 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Measurement Distance: 3m

Limit:

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

Remark: 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 above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

**7.4.1 E.U.T. Operation**

Operating Environment:

Temperature: 20.2 °C      Humidity: 53.3 % RH      Atmospheric Pressure: 1015 mbar

**7.4.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Pre-scan	13	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter1).
Final test	14	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter1).
Pre-scan	28	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation(Adapter2).
Pre-scan	29	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with GFSK modulation(Adapter2).

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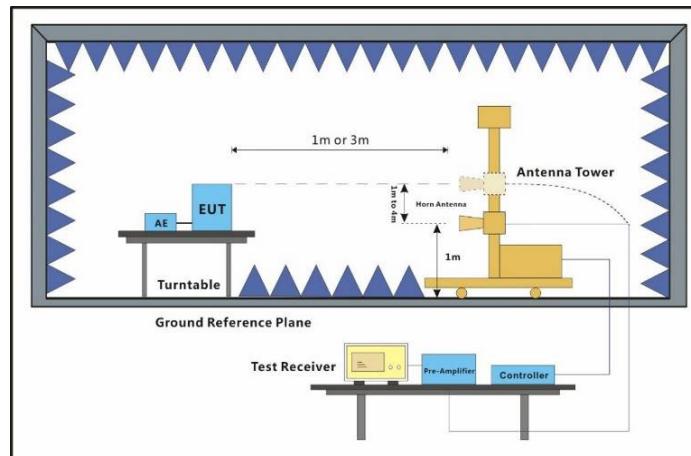


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**7.4.3 Test Setup Diagram**

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**7.4.4 Measurement Procedure and Data**

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

**Remark:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

2) Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) The field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

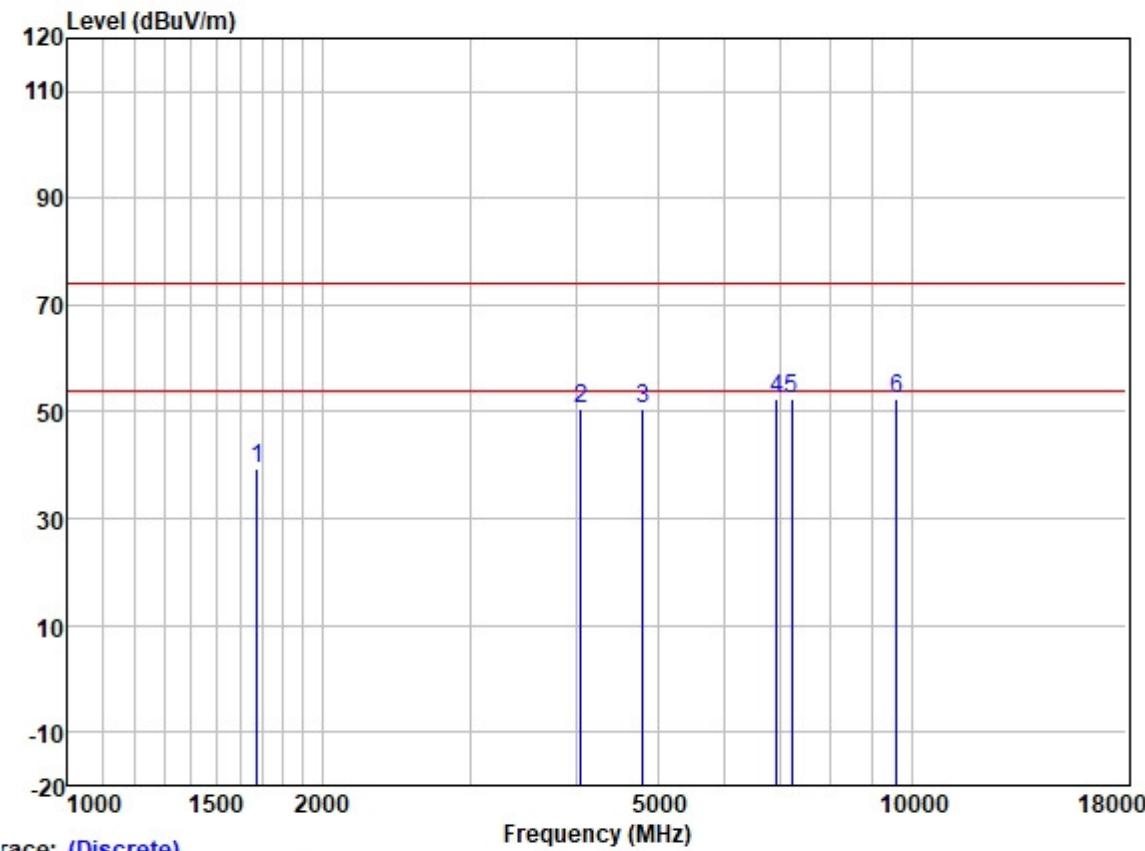
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Test data for 1Mbps

Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Sequence	Frequency (MHz)	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
		Freq	Level	Factor	Loss					
	MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m	dB		
1	1677.621	48.78	25.68	2.80	37.91	39.35	74.00	-34.65	HORIZONTAL	Peak
2	4050.904	52.88	29.87	4.60	36.80	50.55	74.00	-23.45	HORIZONTAL	Peak
3	4804.000	50.64	31.42	5.40	36.83	50.63	74.00	-23.37	HORIZONTAL	Peak
4	6914.763	48.99	34.89	5.81	37.19	52.50	74.00	-21.50	HORIZONTAL	Peak
5	7206.000	48.36	35.54	5.98	37.38	52.50	74.00	-21.50	HORIZONTAL	Peak
6	9608.000	44.40	38.37	7.07	37.42	52.42	74.00	-21.58	HORIZONTAL	Peak

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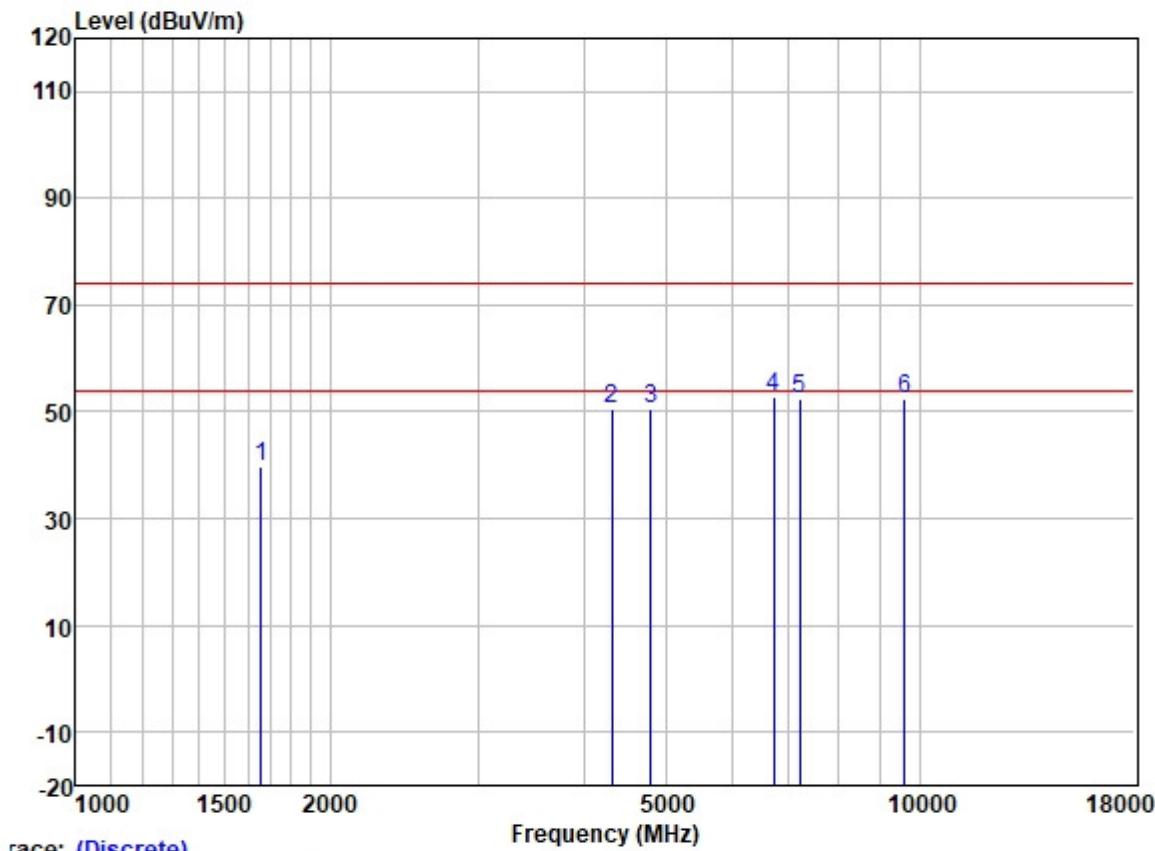
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:Low



Race: (Discrete)

Race	Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1658.337	49.26	25.65	2.80	37.93	39.78	74.00	-34.22	VERTICAL	Peak	
2	4316.859	52.34	30.51	4.66	36.81	50.70	74.00	-23.30	VERTICAL	Peak	
3	4804.000	50.42	31.42	5.40	36.83	50.41	74.00	-23.59	VERTICAL	Peak	
4	6717.762	49.73	34.44	5.83	37.09	52.91	74.00	-21.09	VERTICAL	Peak	
5	7206.000	48.21	35.54	5.98	37.38	52.35	74.00	-21.65	VERTICAL	Peak	
6	9608.000	44.56	38.37	7.07	37.42	52.58	74.00	-21.42	VERTICAL	Peak	

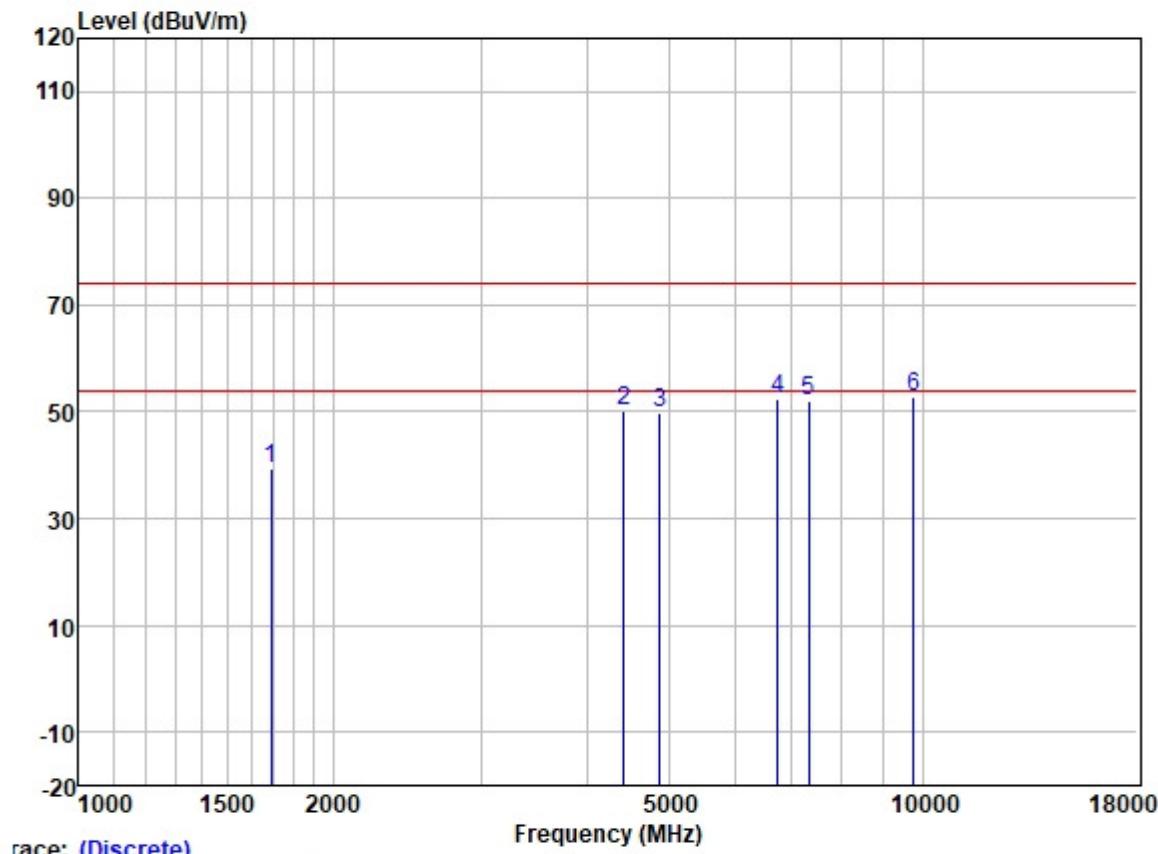
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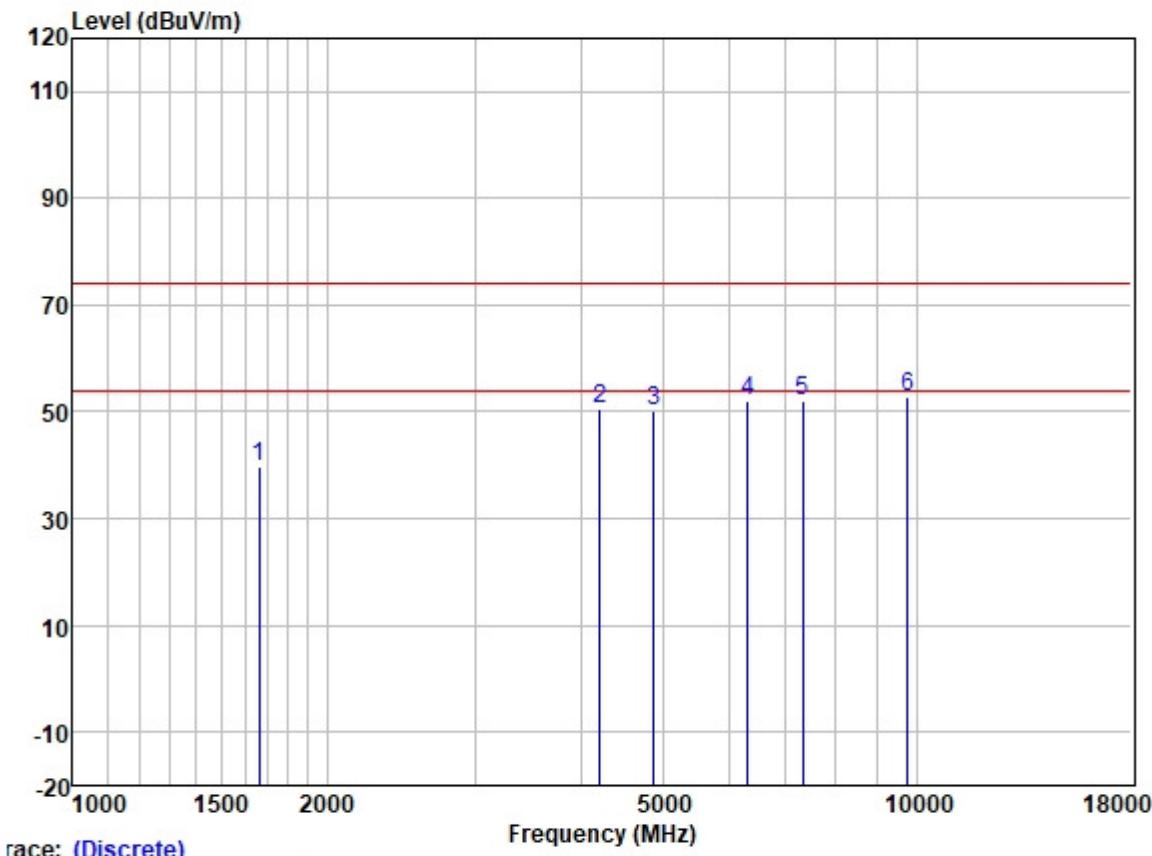


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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:middle



Trace: (Discrete)	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	49.03	25.65	2.80	37.91	39.57	74.00	-34.43	VERTICAL	Peak
2	4218.186	52.41	30.22	4.60	36.81	50.42	74.00	-23.58	VERTICAL	Peak
3	4880.000	49.85	31.54	5.50	36.84	50.05	74.00	-23.95	VERTICAL	Peak
4	6303.890	49.77	33.44	5.97	36.96	52.22	74.00	-21.78	VERTICAL	Peak
5	7320.000	47.50	36.00	6.13	37.43	52.20	74.00	-21.80	VERTICAL	Peak
6	9760.000	44.53	38.50	7.02	37.41	52.64	74.00	-21.36	VERTICAL	Peak

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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:High

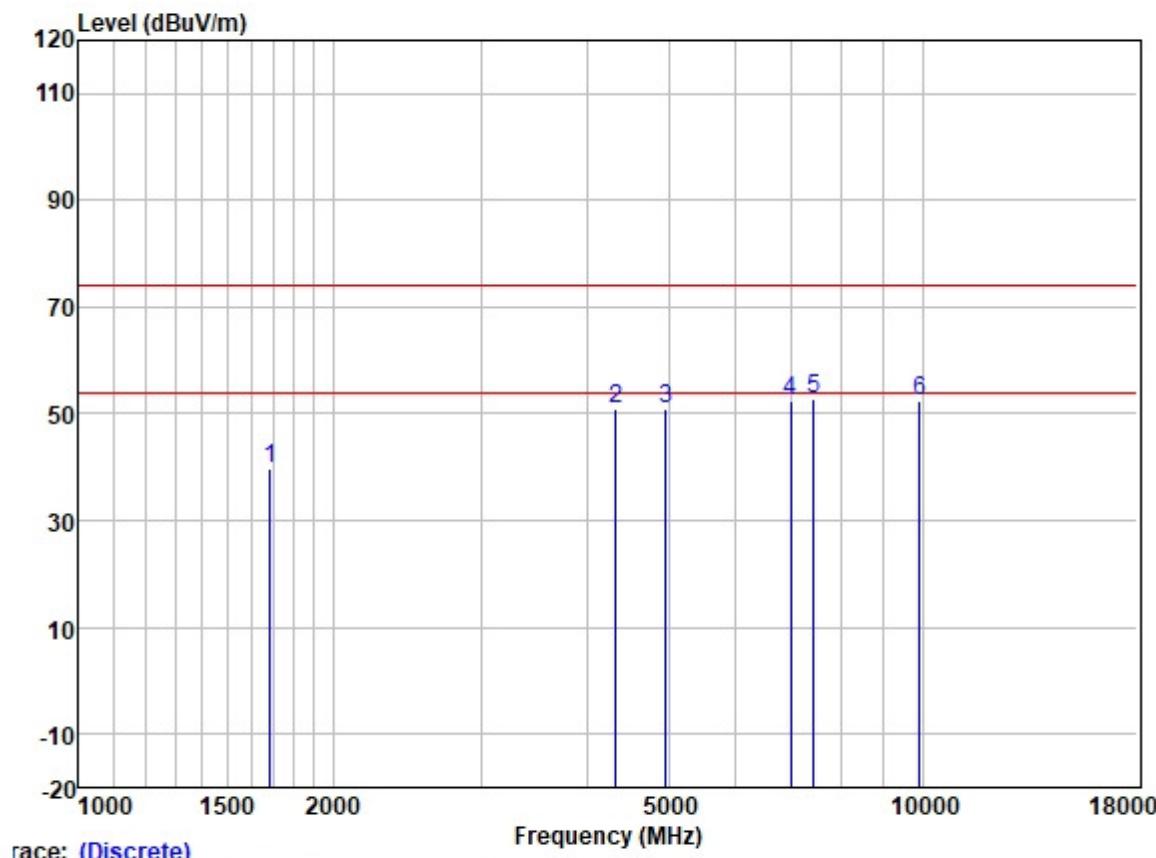


Table showing the measured levels and limits for each frequency point. The table includes columns for Frequency (MHz), ReadAntenna Level (dBuV), Cable Loss (dB), Preamp Factor, and various limit values (Line, Over Line, Pol/Phase, Remark).

Point	Freq (MHz)	ReadAntenna	Cable	Preamp	Limit	Over	Remark	
		Level	Factor	Loss	Factor	Line	Line	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1687.347	49.21	25.69	2.80	37.91	39.79	74.00	-34.21 HORIZONTAL Peak
2	4329.354	52.46	30.54	4.67	36.81	50.86	74.00	-23.14 HORIZONTAL Peak
3	4960.000	50.54	31.65	5.65	36.84	51.00	74.00	-23.00 HORIZONTAL Peak
4	6974.982	48.82	34.97	5.81	37.23	52.37	74.00	-21.63 HORIZONTAL Peak
5	7440.000	47.81	36.27	6.22	37.47	52.83	74.00	-21.17 HORIZONTAL Peak
6	9920.000	44.39	38.65	6.96	37.40	52.60	74.00	-21.40 HORIZONTAL Peak

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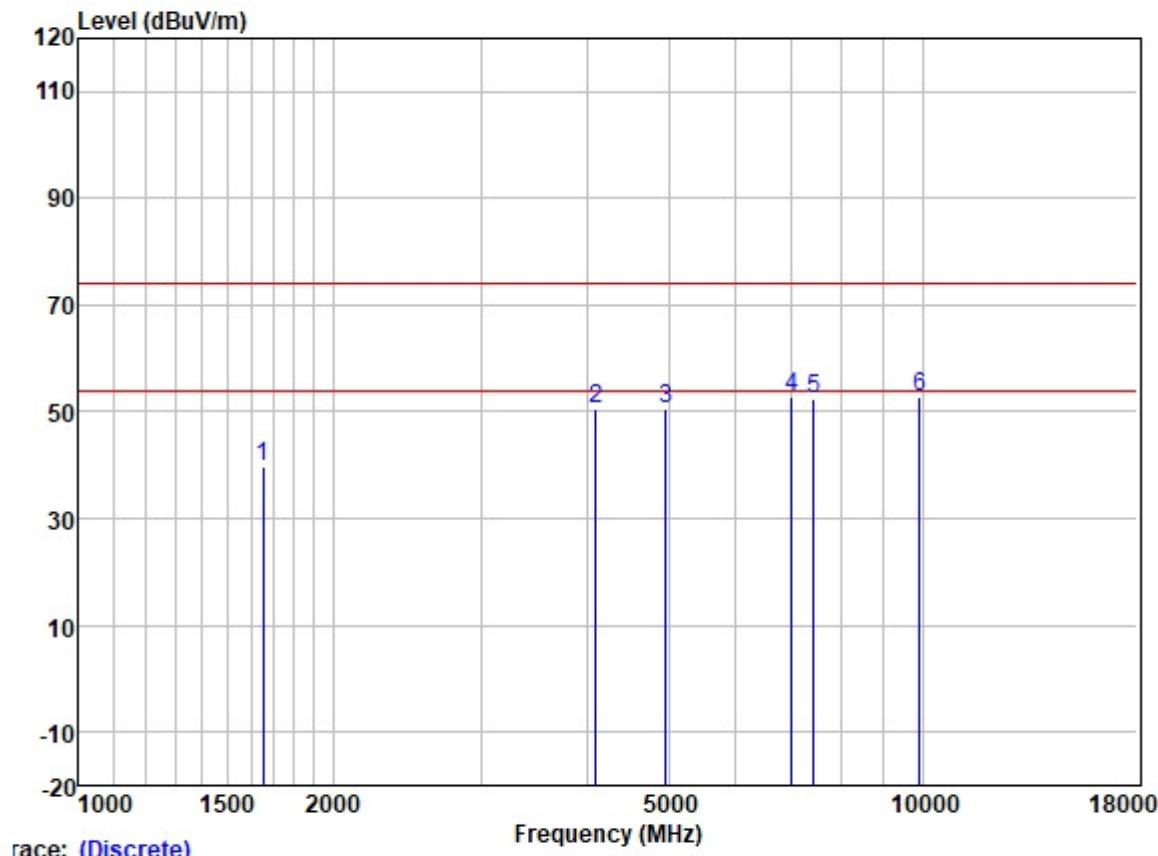
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Member of the SGS Group (SGS SA)

Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:High



Race: (Discrete)

Point	Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1653.550	49.32	25.64	2.80	37.93	39.83	74.00	-34.17	VERTICAL	Peak	
2	4098.010	52.69	29.94	4.60	36.80	50.43	74.00	-23.57	VERTICAL	Peak	
3	4960.000	50.10	31.65	5.65	36.84	50.56	74.00	-23.44	VERTICAL	Peak	
4	6995.172	49.18	35.00	5.81	37.25	52.74	74.00	-21.26	VERTICAL	Peak	
5	7440.000	47.28	36.27	6.22	37.47	52.30	74.00	-21.70	VERTICAL	Peak	
6	9920.000	44.43	38.65	6.96	37.40	52.64	74.00	-21.36	VERTICAL	Peak	

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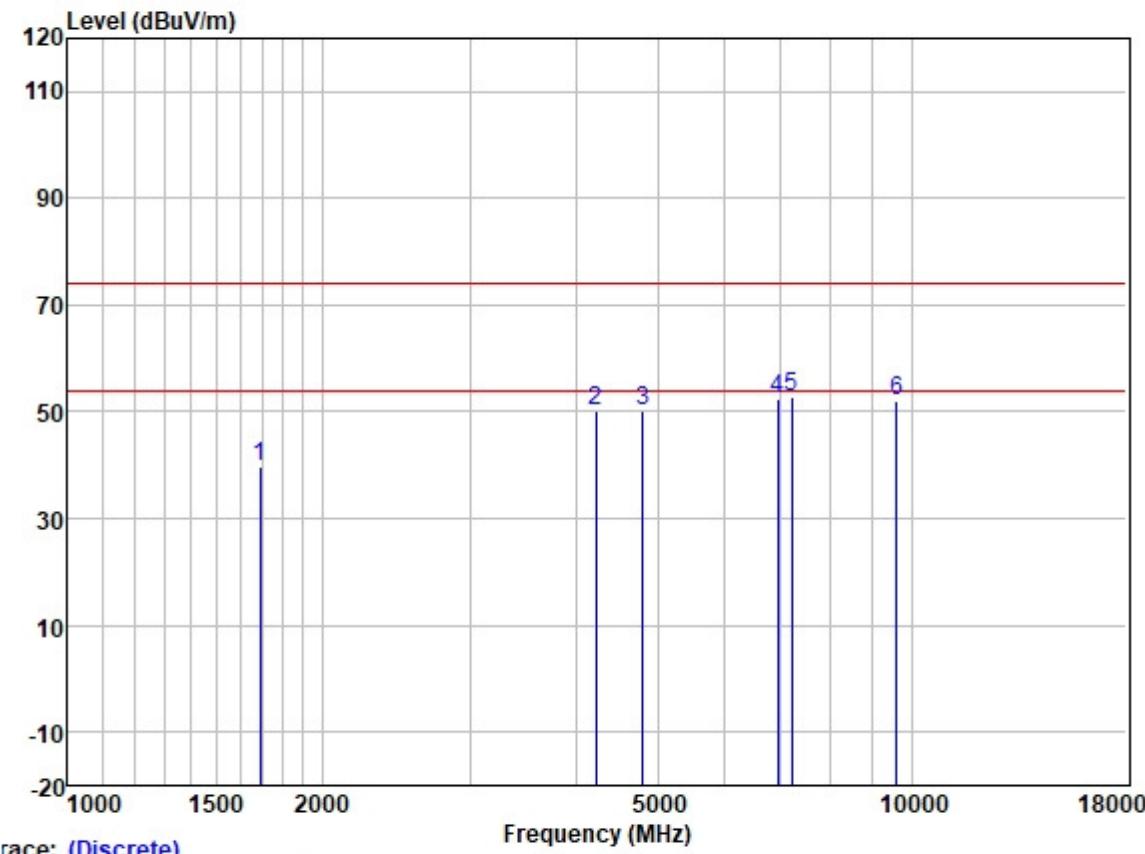
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Guangzhou Branch Testing Center for EEC Laboratory

Test data for 2Mbps

Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:Low



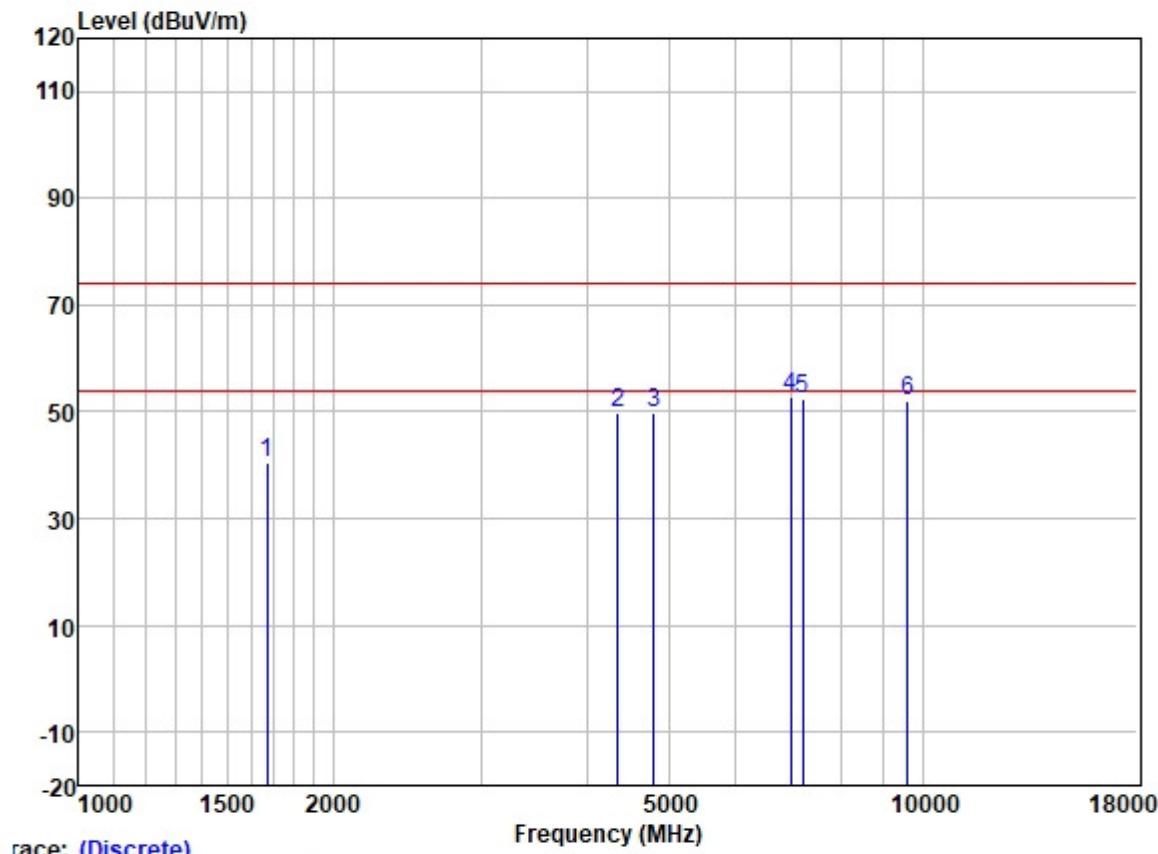
Lane: (Discrete)	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1692.231	49.03	25.70	2.80	37.89	39.64	74.00	-34.36	HORIZONTAL	Peak
2	4230.396	52.13	30.26	4.61	36.81	50.19	74.00	-23.81	HORIZONTAL	Peak
3	4804.000	50.07	31.42	5.40	36.83	50.06	74.00	-23.94	HORIZONTAL	Peak
4	6934.778	48.77	34.92	5.81	37.19	52.31	74.00	-21.69	HORIZONTAL	Peak
5	7206.000	48.52	35.54	5.98	37.38	52.66	74.00	-21.34	HORIZONTAL	Peak
6	9608.000	44.20	38.37	7.07	37.42	52.22	74.00	-21.78	HORIZONTAL	Peak

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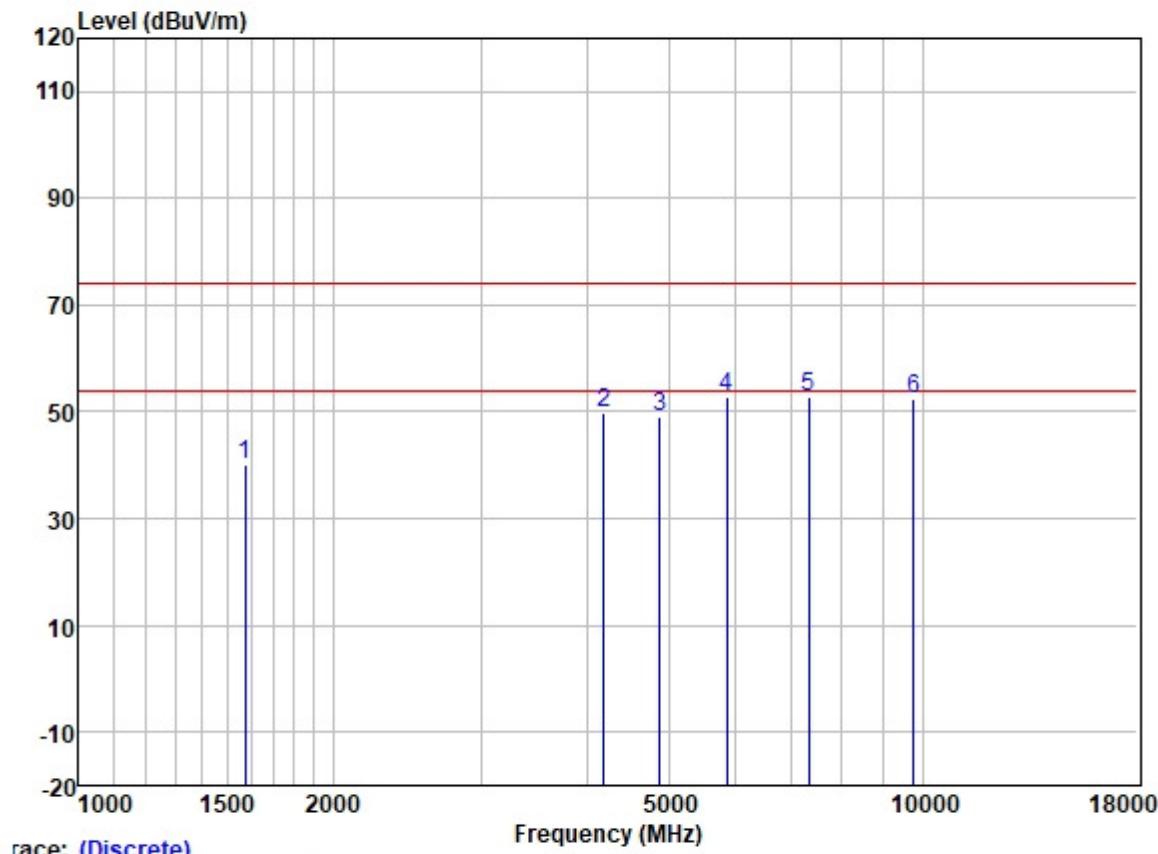
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Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:Low



Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1574.265	49.84	25.56	2.80	38.00	40.20	74.00	-33.80	HORIZONTAL	Peak
2	4193.872	52.02	30.15	4.60	36.81	49.96	74.00	-24.04	HORIZONTAL	Peak
3	4880.000	48.83	31.54	5.50	36.84	49.03	74.00	-24.97	HORIZONTAL	Peak
4	5864.443	51.35	32.27	5.96	36.90	52.68	74.00	-21.32	HORIZONTAL	Peak
5	7320.000	47.92	36.00	6.13	37.43	52.62	74.00	-21.38	HORIZONTAL	Peak
6	9760.000	44.43	38.50	7.02	37.41	52.54	74.00	-21.46	HORIZONTAL	Peak

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Guangzhou Branch Testing Center for EEC Laboratory

Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:middle

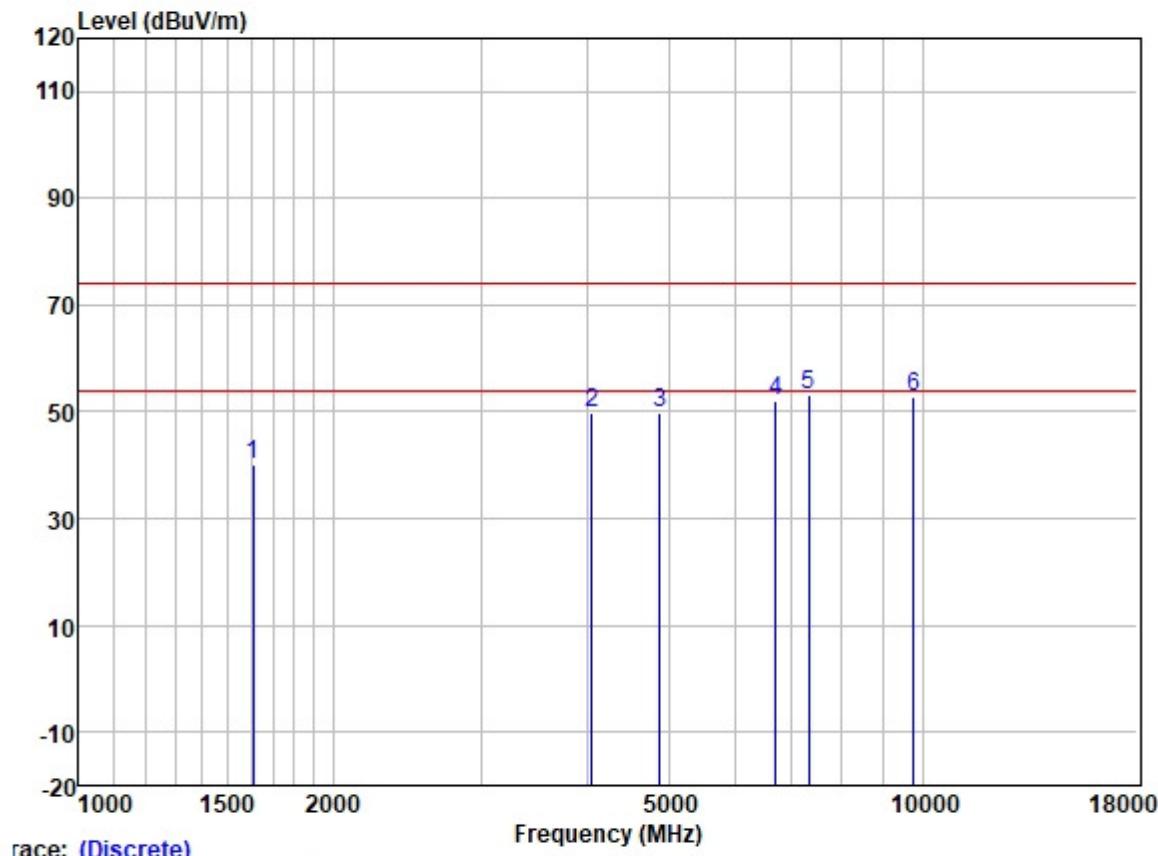


Table showing the measured data points. The table includes columns for Frequency (MHz), ReadAntenna Level (dBuV), Cable Loss (dB), Preamp Factor, and various limit values (Line, Over Line, Pol/Phase, Remark). The data points correspond to the vertical lines in the graph.

Point	Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark		
		Level	Factor	Loss	Factor	Line	Line	Pol/Phase	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1611.091	49.72	25.59	2.80	37.98	40.13	74.00	-33.87	VERTICAL Peak
2	4050.904	52.00	29.87	4.60	36.80	49.67	74.00	-24.33	VERTICAL Peak
3	4880.000	49.67	31.54	5.50	36.84	49.87	74.00	-24.13	VERTICAL Peak
4	6698.373	49.07	34.38	5.83	37.08	52.20	74.00	-21.80	VERTICAL Peak
5	7320.000	48.30	36.00	6.13	37.43	53.00	74.00	-21.00	VERTICAL Peak
6	9760.000	44.59	38.50	7.02	37.41	52.70	74.00	-21.30	VERTICAL Peak

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Test Mode: 14; Polarity: Horizontal; Modulation:GFSK; Channel:High

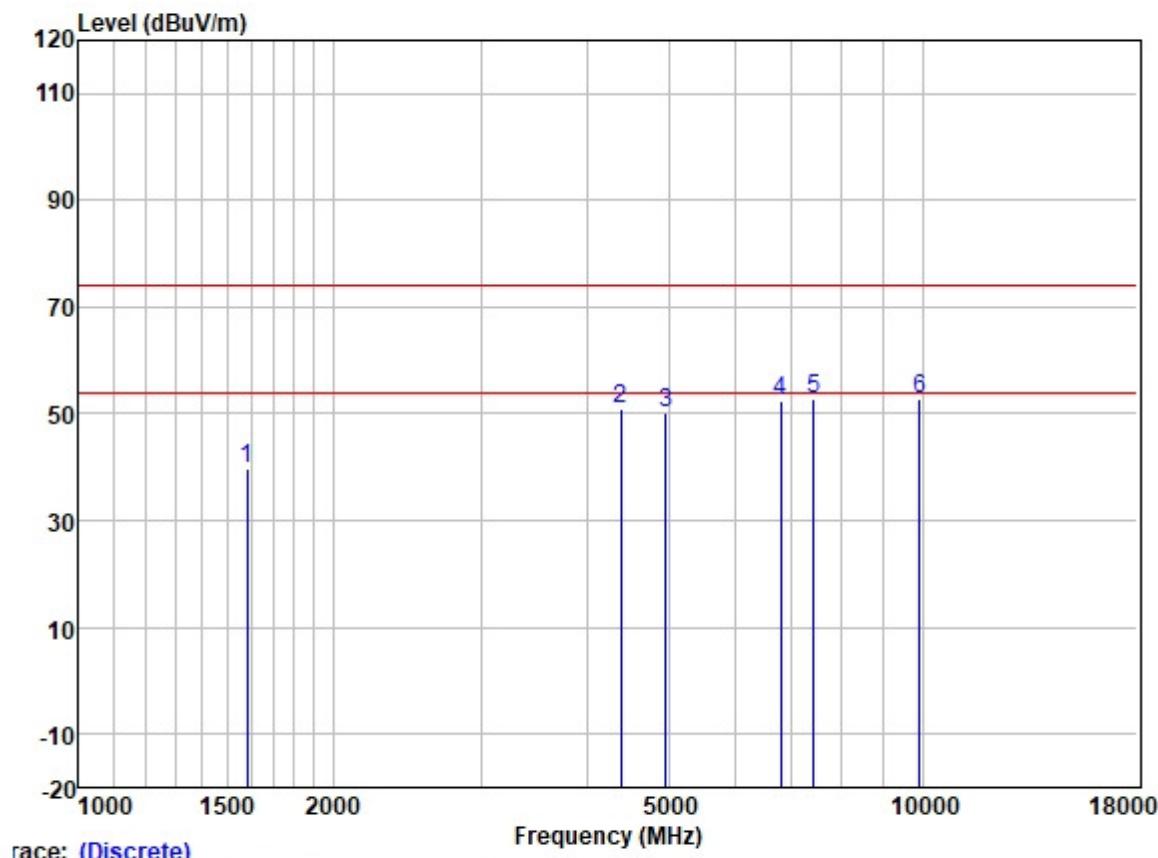


Table showing the measured levels for each point. The table includes columns for Frequency (MHz), ReadAntenna Level (dBuV), Cable Loss (dB), Preamp Factor, and various limit levels (Line, Limit, Over Limit) in dBuV/m. The 'Remark' column indicates the polarization as HORIZONTAL and the peak nature of the signal.

Point	Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark		
		Level	Factor	Loss	Factor	Level		Pol/Phase	
	MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m		
1	1583.392	49.41	25.56	2.80	38.00	39.77	74.00	-34.23	HORIZONTAL Peak
2	4392.376	52.52	30.66	4.70	36.81	51.07	74.00	-22.93	HORIZONTAL Peak
3	4960.000	49.83	31.65	5.65	36.84	50.29	74.00	-23.71	HORIZONTAL Peak
4	6795.879	49.02	34.66	5.82	37.12	52.38	74.00	-21.62	HORIZONTAL Peak
5	7440.000	47.84	36.27	6.22	37.47	52.86	74.00	-21.14	HORIZONTAL Peak
6	9920.000	44.75	38.65	6.96	37.40	52.96	74.00	-21.04	HORIZONTAL Peak

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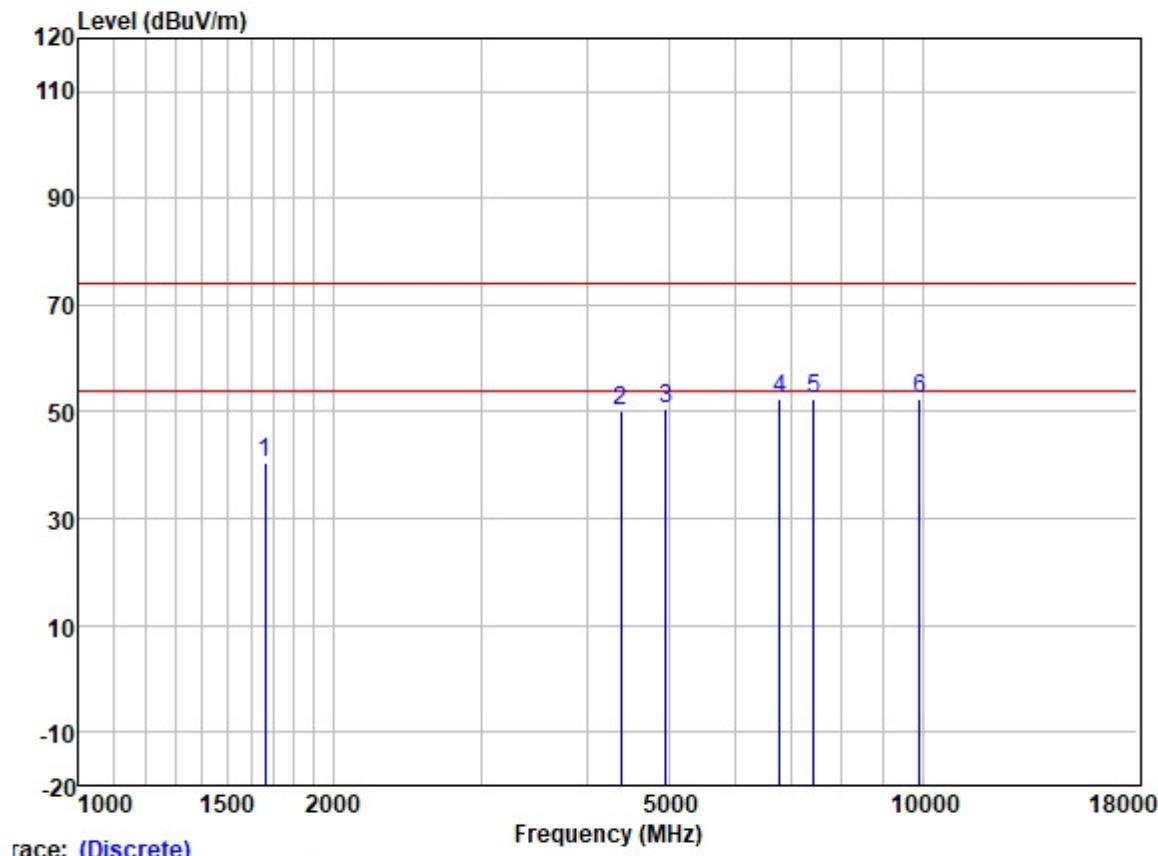
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Member of the SGS Group (SGS SA)

Test Mode: 14; Polarity: Vertical; Modulation:GFSK; Channel:High



	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
1	1663.137	49.91	25.65	2.80	37.91	40.45	74.00	-33.55	VERTICAL Peak
2	4392.376	51.54	30.66	4.70	36.81	50.09	74.00	-23.91	VERTICAL Peak
3	4960.000	50.11	31.65	5.65	36.84	50.57	74.00	-23.43	VERTICAL Peak
4	6776.265	49.12	34.61	5.82	37.11	52.44	74.00	-21.56	VERTICAL Peak
5	7440.000	47.28	36.27	6.22	37.47	52.30	74.00	-21.70	VERTICAL Peak
6	9920.000	44.25	38.65	6.96	37.40	52.46	74.00	-21.54	VERTICAL Peak

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## 8 Test Setup Photo

Please refer to setup photos for GZCR2205000598AT

## 9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2205000598AT

- End of the Report -



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