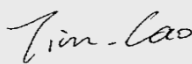
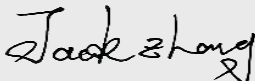


Test report No:
249A0319R-RF-US-P07V01

FCC TEST REPORT

Product Name	POS Terminal
Trademark	
Model and /or type reference	MF960
FCC ID	2AQRE-MF960
Applicant's name / address	Fujian Morefun Electronic Technology Co., Ltd. 4th Floor, #15 Building, Standard plant, Fuwan, Jinshan Industry Center Area, #869 Panyu Rd, Gaishan Town, Cangshan Area, Fuzhou, Fujian, China
Test method requested, standard	47 CFR FCC Part 2, Part 22, Part 24, Part 27 ANSI C63.26: 2015 ANSI/TIA-603-E: 2016
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Jack Zhang / Manager 
Date of issue	2024-12-08
Report Version	V1.0
Report template No	Template_Part 22&24&27-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Oct. 14, 2024
Date (start test)	Oct. 20, 2024
Date (finish test)	Oct. 30, 2024

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
24A0319R-RF-US-P07V01	V1.0	Initial issue of report.	2024-11-xx

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. This report is a limited report on the installation of a test module in a POS Terminal, and the customer declares that the RF parameters of the module installed in the host computer are exactly the same as those of the certified module. We verified the RF output power and radiated emissions of the equipment. For other test data, please refer to FCC ID: 2A9FT-Z400-H. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 2 & 22 & 24 & 27.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results relate only to the samples tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Information;
 - Chapter 1.3 Channel List.

USED EQUIPMENT

RF Output Power / TR7							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software Version
Wideband Radio Communication Tester	R&S	CMW 500	158243	2024.05.15	2025.05.14	X 4.0.62.11	N/A
Signal analyzer	R&S	FSV30	104212	2024.07.06	2025.07.05	3.40	N/A
ESG Vector Signal Generator	Agilent	E4438C	MY49070163	2024.10.19	2025.10.18	C.05.85	N/A
RF Control Unit	Tonscend	JS0806-1	168060022	2024.06.11	2025.06.10	N/A	N/A
PSG Analog Signal Generator	Keysight	E8257D	MY60020890	2024.03.09	2025.03.08	C.06.27	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2024.04.21	2025.04.20	N/A	N/A
Filter box	Tonscend	N/A	N/A	2023.12.09	2024.12.08	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-036	2024.05.17	2025.05.16	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-037	2024.05.17	2025.05.16	N/A	N/A
Test Software	Tonscend	JS1120	JS1120-8	N/A	N/A	N/A	V3.1.46

Radiated Emissions (9KHz-1GHz) / AC2							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
Wideband Radio Communication Tester	R&S	CMW 500	158243	2024.05.15	2025.05.14	X 4.0.62.11	N/A
EMI Test Receiver	R&S	ESCI	100573	2024.02.06	2025.02.05	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2024.03.27	2025.03.26	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112 D	27611	2024.03.20	2025.03.19	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2024.04.27	2025.04.26	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-021	2024.05.17	2025.05.16	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Radiated Emissions (1GHz-40GHz)/ AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Date	Cal. Version	Firmware Version	Software version
Wideband Radio Communication Tester	R&S	CMW 500	158243	2024.05.15	2025.05.14	X	4.0.62.11	N/A
EXA Spectrum Analyzer	Keysight	N9020B	MY60112218	2023.12.29	2024.12.28	A.31.05		N/A
Pre-Amplifier	SKET	EMC184045SE	980263	2024.07.06	2025.07.05	N/A		N/A
DRG Horn Antenna	ETS-Lindgren	3117	123988	2023.11.07	2024.11.06	N/A		N/A
Filter Switch Box	MVE	MSW-F196	C070001S	2024.04.20	2025.04.19	N/A		N/A
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G-2	2024.05.26	2025.05.25	N/A		N/A
Cable	Rosenberger	LA1-C011-1000	0523	2024.05.26	2025.05.25	N/A		N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-001	2024.07.11	2025.07.10	N/A		N/A
Temperature/Humidity Meter	RTS	RTS-1909	THM-024	2024.05.17	2025.05.16	N/A		N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A		3

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The Uncertainties is comply with standard required as below.

Test item	Uncertainty
RF Output Power	± 1.2 dB
Radiated Emissions	± 3.2 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	POS Terminal
Model No.	MF960
Trademark.....	
FCC ID.....	2AQRE-MF960
Hardware Version.....	B30
Software Version.....	V13.0.1
Manufacturer	Fujian Morefun Electronic Technology Co., Ltd.
Manufacturer Address	4th Floor, #15 Building, Standard plant, Fuwan, Jinshan Industry Center Area, #869 Panyu Rd, Gaishan Town, Cangshan Area, Fuzhou, Fujian, China
Factory.....	Fujian Morefun Electronic Technology Co., Ltd.
Factory address	4th Floor, #15 Building, Standard plant, Fuwan, Jinshan Industry Center Area, #869 Panyu Rd, Gaishan Town, Cangshan Area, Fuzhou, Fujian, China
Operating temperature	-20 ~ +60 °C

Wireless specification.....	GSM
Module	Z400-H
Support Band(s)	GSM850 / PCS1900
Uplink Frequency	GSM850: 824.4-848.8 MHz PCS1900: 1850.2-1909.8 MHz
Downlink Frequency	GSM850: 869.2-893.8 MHz PCS1900: 1930.4-1987.6 MHz
Type of Modulation.....	GMSK For GSM/GPRS 8PSK For EGPRS
Power Class.....	4 For GSM850 1 For PCS1900

Wireless specification.....	WCDMA
Module	Z400-H
Support Band(s)	Band II / Band IV / Band V
Uplink Frequency	Band II: 1852.4-1907.6 MHz Band IV: 1710-1755 MHz Band V: 826.4-846.6 MHz
Downlink Frequency	Band II: 1932.4-1987.6 MHz Band IV: 2110-2155 MHz Band V: 871.4-891.6 MHz
Type of Modulation.....	QPSK
Power Class.....	3

Rated power supply..... :	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 100 - 240 V, 50/60 Hz
	☒	DC: 5 Vdc
	☒	Battery: 7.20 Vdc, 2600 mAh, 18.72 Wh
	☒	Adapter:
Adapter Model..... :	DGL0502000LUS	
	Input: 100-240V ~ 50/60Hz, 0.3A Max Output: 5.0V / 2000 mA	
Mounting position :	☐	Tabletop equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☒	Hand-held/Portable equipment
	☐	Other:

1.2 Antenna Information

Antenna Delivery	☒	1TX + 1RX		
	☐	2TX + 2RX		
Antenna technology.....	☒	SISO		
	☐	MIMO		
Antenna Type.....	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☒	Fixed
			☐	FPC
			☐	Ceramic Chip
			☐	Others.....
Antenna Gain	GSM 850: -1.963 dBi PCS 1900: -1.806 dBi WCDMA II: -1.806 dBi WCDMA IV: -0.556 dBi WCDMA V: -1.963 dBi			

Note: The General Description of the Item , antenna information, Channel List for the EUT in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Test Mode	Mode 1: Transmit by GSM 850
	Mode 2: Transmit by PCS 1900
	Mode 3: Transmit by WCDMA Band 2
	Mode 4: Transmit by WCDMA Band 4
	Mode 5: Transmit by WCDMA Band 5

Notes :

1. For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

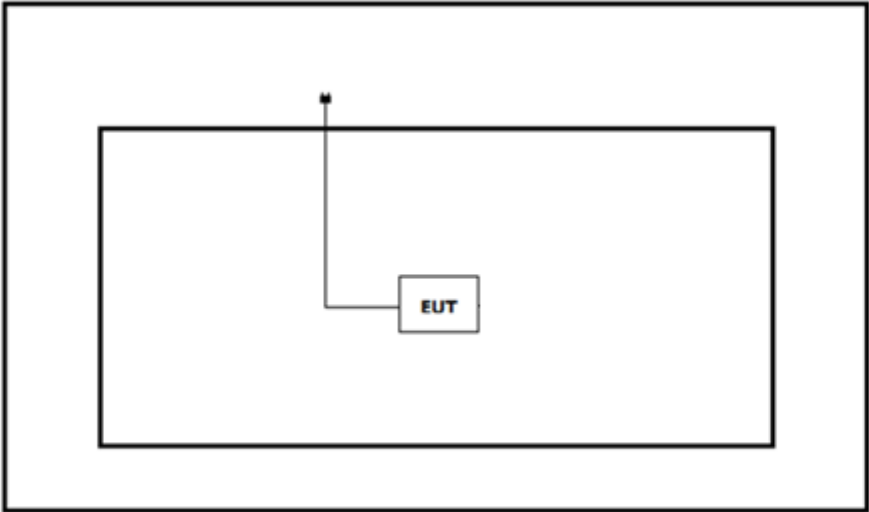
2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
CMW 500	X 4.0.62.11	R&S	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

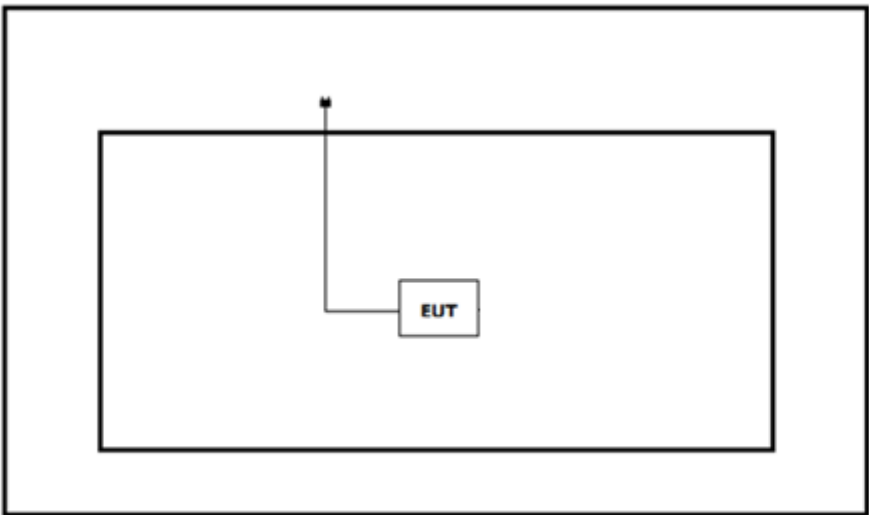
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Conducted test



Test setup Diagram- Radiated Emission



2.4 Testing process

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipment.
3	EUT Communicate with CMW 500, then select channel to test.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 2	2024	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
FCC CFR Title 47 Part 22	2024	Public Mobile Services
FCC CFR Title 47 Part 24	2024	Personal Communications Services
FCC CFR Title 47 Part 27	2024	Miscellaneous Wireless Communications Services
KDB971168 D01 v03r01	2018	Measurement Guidance for Certification of Licensed Digital Transmitters
KDB971168 D02 v02r01	2023	Miscellaneous and Basic Review and Approval Items for Transmitting Equipment Used in Licensed Radio Services

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

GSM850 / UMTS Band 5

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	PASS
Peak-Average Ratio	§22.913(d)	Limit ≤ 13 dB	See Remark
Modulation Characteristics	§2.1047	Digital modulation	See Remark
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark
Band Edges Compliance	§2.1051, §22.917(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	See Remark
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	FCC: ≤ -13 dBm/100 kHz.	PASS
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §22.355	≤ ±2.5ppm.	See Remark

Remark:

Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the GSM/WCDMA Module report S23033100205005. The FCC ID is 2A9FT-Z400-H has been certified, and the test report issued by Shenzhen NTEK Testing Technology Co., Ltd. on 03/05/2023.

PCS 1900 / UMTS Band 2

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP $\leq$ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit $\leq$ 13 dB	See Remark
Modulation Characteristics	§2.1047	Digital modulation	See Remark
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark
Band Edges Compliance	§2.1051, §24.238(a)	$\leq$ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)	$\leq$ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	See Remark
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	$\leq$ -13 dBm/1 MHz.	PASS
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §24.235	Within authorized bands of operation/frequency block.	See Remark

Remark:

Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the GSM/WCDMA Module report S23033100205005. The FCC ID is 2A9FT-Z400-H has been certified, and the test report issued by Shenzhen NTEK Testing Technology Co., Ltd. on 03/05/2023.

UMTS Band 4

Test Item	FCC Rule No.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	PASS
Peak-Average Ratio	§27.50(d)(5)	Limit ≤ 13 dB	See Remark
Modulation Characteristics	§2.1047	Digital modulation	See Remark
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark
Band Edges Compliance	§2.1051, §27.53(h)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13 dBm/1 MHz, from 9 kHz to 10 th harmonics but outside authorized operating frequency ranges.	See Remark
Field Strength of Spurious Radiation	§2.1053, §27.53(h)	≤ -13 dBm/1 MHz.	PASS
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	See Remark

Remark:

Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the GSM/WCDMA Module report S23033100205005. The FCC ID is 2A9FT-Z400-H has been certified, and the test report issued by Shenzhen NTEK Testing Technology Co., Ltd. on 03/05/2023.

Requirement – Test case	Basic standard(s)	Verdict	Remark
RF Output Power	FCC Part 22 & 24 & 27	PASS	Test data please refer to Appendix A
Radiated Emissions	FCC Part 22 & 24 & 27	PASS	Test data please refer to Appendix B

3.4 Test Matrix

Test item	Model : POS Terminal	
	SN: 82240521970040	SN: 82240521970039
RF Output Power	☒	☐
Radiated Emissions	☐	☒
Note1: The only difference between sample #1 and sample #2 is whether to keep the original antenna, sample #1 is a conduction test product that removes the original antenna and is equipped with SMA wires, and sample #2 is a complete product that retains the original antenna.		

3.5 Test Facility

USA : FCC Designation Number: CN1199

4 TEST RESULTS

4.1 Effective (Isotropic) Radiated Power Output

VERDICT: PASS

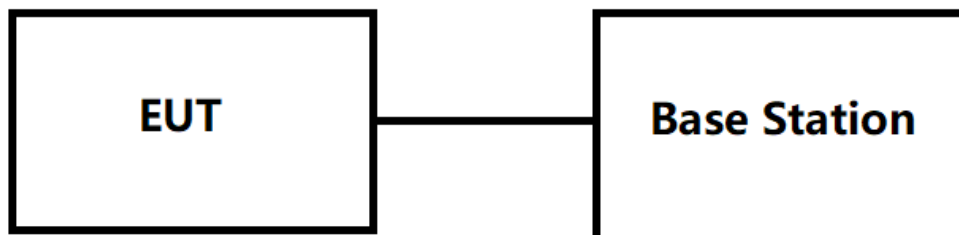
4.1.1 Limit

Standard Part NO.

47 CFR FCC Part 2 (Section 2.1046)
 47 CFR FCC Part 22 (Section 22.913)
 KDB 971168 D01 v03 Section 5.2.1/ Section 5.2.2.2
 ANSI/TIA-603-E-2016 Section 2.2.17

The substitution method, in ANSI/TIA-603-E-2016, was used for ERP/EIRP measurement, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v03. The ERP of mobile transmitters must not exceed 7 Watts (Cellular Band) and the EIRP of mobile transmitters are limited to 2 Watts (PCS Band).

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.26-2015	5.2	RF output power measurement procedures

The conducted RF Output Power measurements were made at the RF output terminals of the EUT using the power meter of the Universal Radio Communication tester R&S CMW500, selecting maximum transmission power of the EUT and different modes of modulation.

Peak to average ratio(PAPR) is used equation $PAPR(dB) = PPK(dBm) - PAVG(dBm)$, where PPK is measured peak power, and PAVG is measured average power.

The maximum equivalent isotropically radiated power(e.i.r.p.) is calculated by adding the declared maximum antenna gain(dBi).

The maximum effective radiated power e.r.p. is calculated form the maximum equivalent isotropically radiated power(e.i.r.p.) by subtracting 2.15 dB: $E.R.P = E.I.R.P. - 2.15 \text{ dB}$

4.2 Radiated Emissions

VERDICT: PASS

4.2.1 Limit

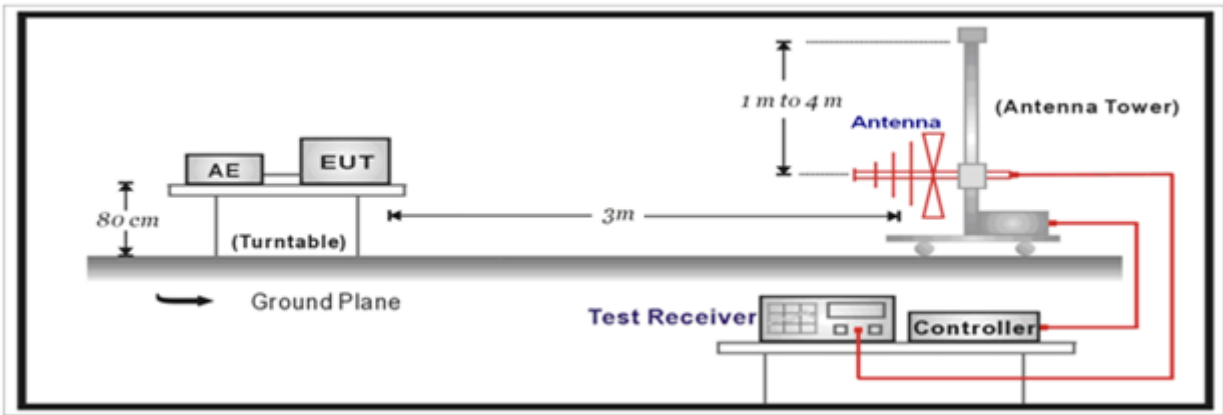
Standard Part NO.

47 CFR FCC Part 2 (Section 2.1053)
47 CFR FCC Part 22 (Section 22.917)
47 CFR FCC Part 24 (Section 24.238)
47 CFR FCC Part 27 (Section 27.53)
KDB 971168 D01 v03 Section 5.8
ANSI/TIA-603-E-2016 Section 2.2.12

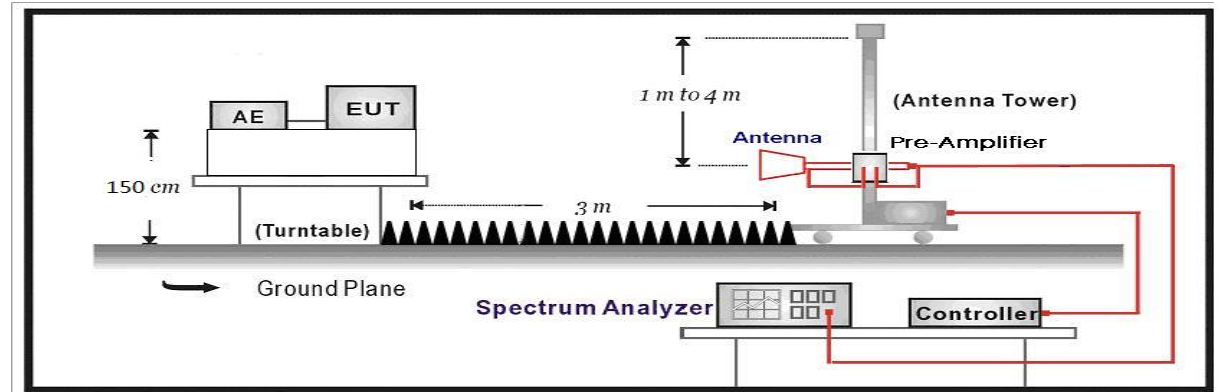
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Setup

30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.2.3 Test Procedure

	Reference Rule	Chapter	Description
☒	ANSI C63.26	5.5	Radiated emissions testing

The spectrum was scanned from 9 kHz to the 10th harmonic of the highest frequency generated within the equipment.

Emissions below 18 GHz were measured at a 3 meter test distance.

The EUT was tested in three orthogonal axes and in all possible test configurations and poisoning when measurement antenna is oriented in both horizontal and vertical polarization, the worst case emissions were shown in the report.

Radiated emissions were used the substitution method described in ANSI/TIA-603-E-2016.

Radiated emissions were measured with 100kHz RBW below 1GHz and 1MHz RBW above 1GHz.

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $X + 10 \log (P)$ dB. P in watts. The specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., $10 \log P - \{X + 10 \log P\}$], resulting in an absolute level of -X dBW [or $(-X + 30)$ dBm].

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

Appendix A: RF Output Power

GSM850	Average Power (dBm)			ERP			Verdict
TX Channel	128	189	251	128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GPRS 1 Tx slot	32.67	32.81	32.78	28.56	28.70	28.67	PASS
GPRS 2 Tx slots	31.01	31.12	31.01	26.90	27.01	26.90	
GPRS 3 Tx slots	29.27	29.35	29.21	25.16	25.24	25.10	
GPRS 4 Tx slots	28.01	28.15	28.03	23.90	24.04	23.92	
EDGE 1 Tx slot	26.83	27.11	26.98	22.72	23.00	22.87	
EDGE 2 Tx slots	25.41	25.84	25.65	21.30	21.73	21.54	
EDGE 3 Tx slots	23.23	23.31	23.56	19.12	19.20	19.45	
EDGE 4 Tx slots	21.48	21.72	21.67	17.37	17.61	17.56	

GSM1900	Average Power (dBm)			EIRP			Verdict
TX Channel	512	661	810	512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	
GPRS 1 Tx slot	30.23	30.34	30.07	28.42	28.53	28.26	PASS
GPRS 2 Tx slots	29.02	29.23	28.76	27.21	27.42	26.95	
GPRS 3 Tx slots	26.50	26.67	26.21	24.69	24.86	24.40	
GPRS 4 Tx slots	25.29	25.43	24.99	23.48	23.62	23.18	
EDGE 1 Tx slot	25.59	25.88	25.43	23.78	24.07	23.62	
EDGE 2 Tx slots	24.29	24.65	24.36	22.48	22.84	22.55	
EDGE 3 Tx slots	22.45	22.66	22.64	20.64	20.85	20.83	
EDGE 4 Tx slots	21.65	22.01	21.67	19.84	20.20	19.86	

Band	WCDMA II						Verdict
TX Channel	9262	9400	9538	9262	9400	9538	
Rx Channel	9662	9800	9938	9662	9800	9938	
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	
Power		Conducted Power(dBm)			EIRP(dBm)		PASS
3GPP Rel 99	RMC 12.2Kbps	23.30	23.52	23.21	21.49	21.71	
3GPP Rel 6	HSDPA Subtest-1	22.26	22.58	22.21	20.45	20.77	
3GPP Rel 6	HSDPA Subtest-2	22.23	22.12	22.31	20.42	20.31	
3GPP Rel 6	HSDPA Subtest-3	21.84	22.06	21.71	20.03	20.25	
3GPP Rel 6	HSDPA Subtest-4	21.85	22.07	21.67	20.04	20.26	
3GPP Rel 6	HSUPA Subtest-1	21.23	21.55	21.19	19.42	19.74	
3GPP Rel 6	HSUPA Subtest-2	20.32	20.55	20.25	18.51	18.74	
3GPP Rel 6	HSUPA Subtest-3	21.32	21.57	21.25	19.51	19.76	
3GPP Rel 6	HSUPA Subtest-4	19.81	20.06	19.77	18.00	18.25	
3GPP Rel 6	HSUPA Subtest-5	21.32	21.58	21.21	19.51	19.77	

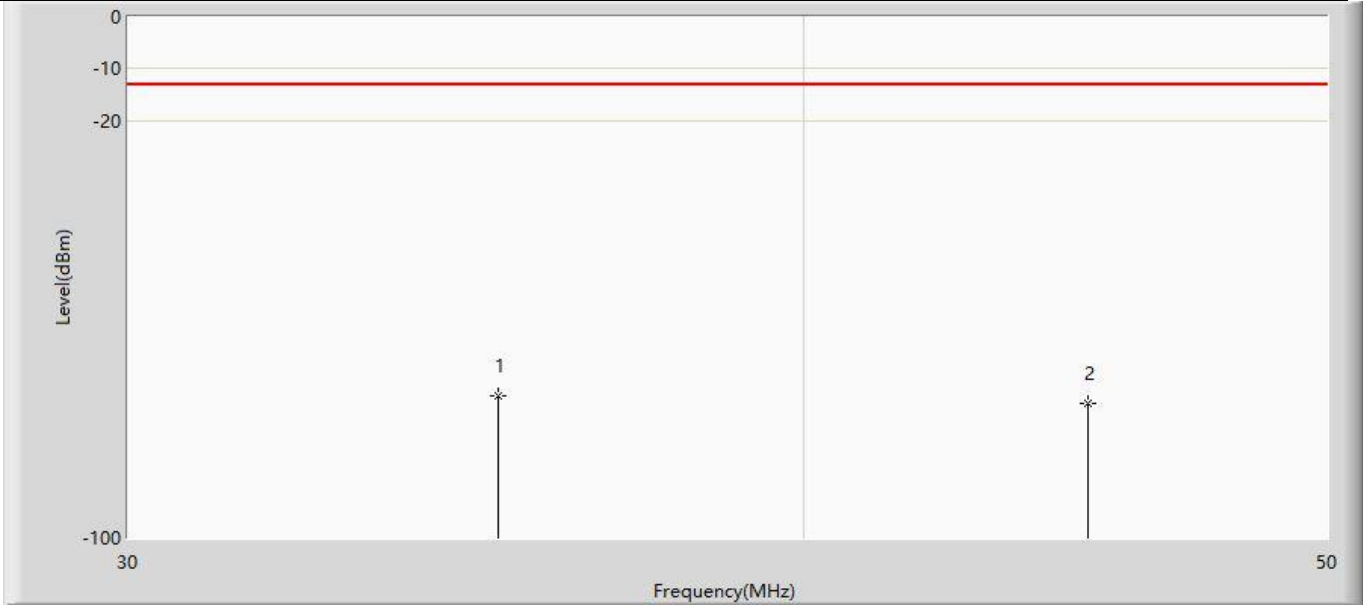
Band		WCDMA IV						Verdict
TX Channel		1312	1413	1513	1312	1413	1513	
Rx Channel		1537	1638	1738	1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	
Power		Conducted Power(dBm)			EIRP(dBm)			PASS
3GPP Rel 99	RMC 12.2Kbps	23.13	23.50	23.20	22.57	22.94	22.64	
3GPP Rel 6	HSDPA Subtest-1	22.13	22.39	22.13	21.57	21.83	21.57	
3GPP Rel 6	HSDPA Subtest-2	22.17	22.12	22.21	21.61	21.56	21.65	
3GPP Rel 6	HSDPA Subtest-3	21.65	21.93	21.66	21.09	21.37	21.10	
3GPP Rel 6	HSDPA Subtest-4	21.77	21.95	21.49	21.21	21.39	20.93	
3GPP Rel 6	HSUPA Subtest-1	21.17	21.50	21.18	20.61	20.94	20.62	
3GPP Rel 6	HSUPA Subtest-2	20.27	20.44	20.12	19.71	19.88	19.56	
3GPP Rel 6	HSUPA Subtest-3	21.15	21.43	21.05	20.59	20.87	20.49	
3GPP Rel 6	HSUPA Subtest-4	19.61	19.88	19.62	19.05	19.32	19.06	
3GPP Rel 6	HSUPA Subtest-5	21.16	21.57	21.12	20.60	21.01	20.56	

Band		WCDMA V						Verdict
TX Channel		4132	4182	4233	4132	4182	4233	
Rx Channel		4357	4407	4458	4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6	
Power		Conducted Power(dBm)			ERP(dBm)			PASS
3GPP Rel 99	RMC 12.2Kbps	23.74	23.83	23.57	19.63	19.72	19.46	
3GPP Rel 6	HSDPA Subtest-1	22.59	22.91	22.53	18.48	18.80	18.42	
3GPP Rel 6	HSDPA Subtest-2	22.73	22.56	22.67	18.62	18.45	18.56	
3GPP Rel 6	HSDPA Subtest-3	22.29	22.34	22.02	18.18	18.23	17.91	
3GPP Rel 6	HSDPA Subtest-4	22.35	22.23	22.13	18.24	18.12	18.02	
3GPP Rel 6	HSUPA Subtest-1	21.71	21.98	21.51	17.60	17.87	17.40	
3GPP Rel 6	HSUPA Subtest-2	20.82	20.87	20.58	16.71	16.76	16.47	
3GPP Rel 6	HSUPA Subtest-3	21.79	21.87	21.65	17.68	17.76	17.54	
3GPP Rel 6	HSUPA Subtest-4	20.25	20.47	20.13	16.14	16.36	16.02	
3GPP Rel 6	HSUPA Subtest-5	21.72	21.78	21.70	17.61	17.67	17.59	



Appendix B: Radiated Emissions

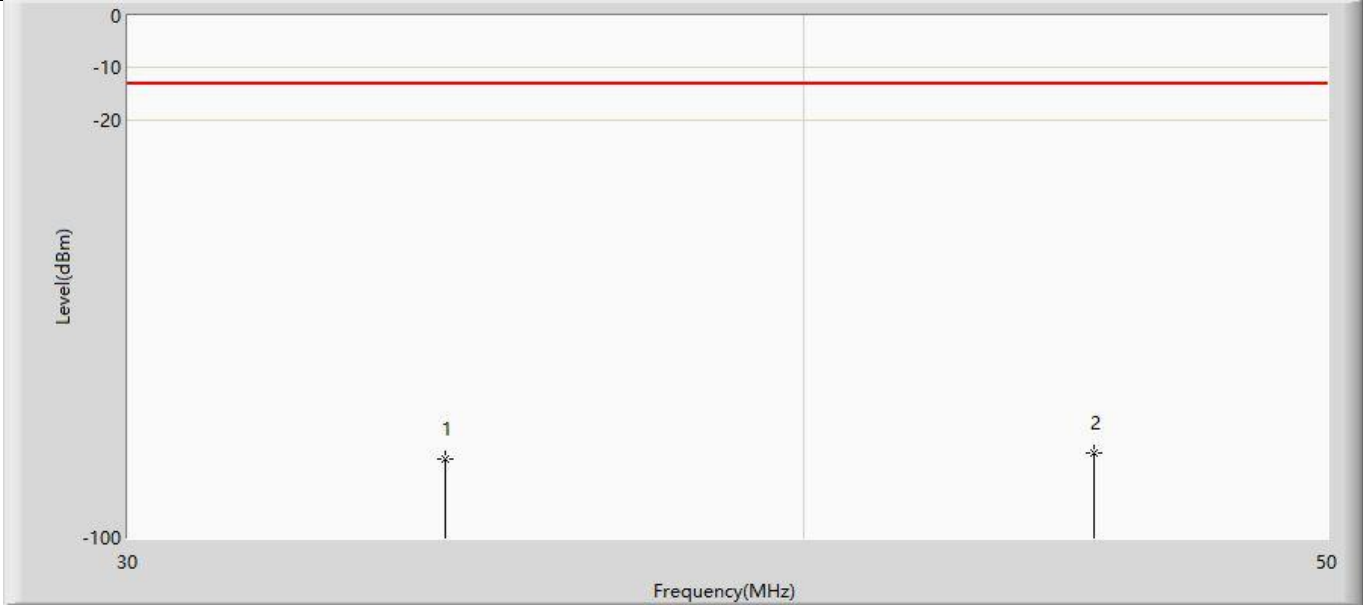
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Engineer: Yuliu	
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	35.140	-72.809	-104.649	-59.809	-13.000	31.840	PK
2		45.160	-74.098	-104.572	-61.098	-13.000	30.474	PK



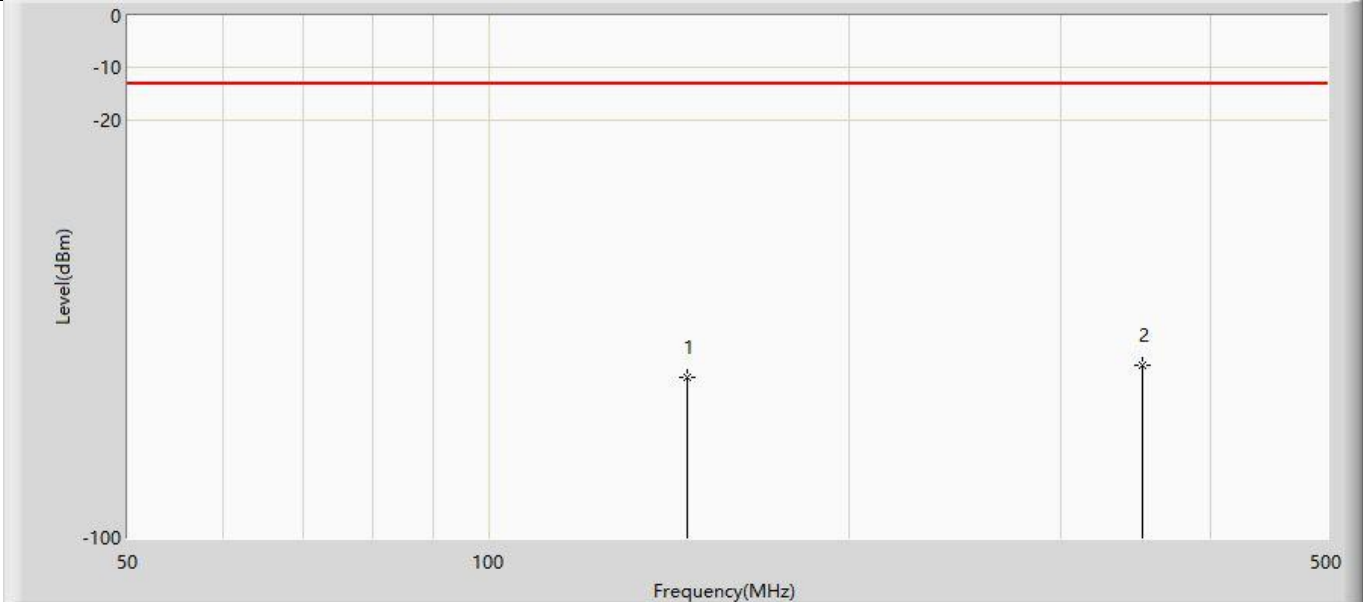
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Engineer: Yuliu	
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		34.340	-84.824	-104.113	-71.824	-13.000	19.289	PK
2	*	45.280	-83.843	-104.864	-70.843	-13.000	21.021	PK



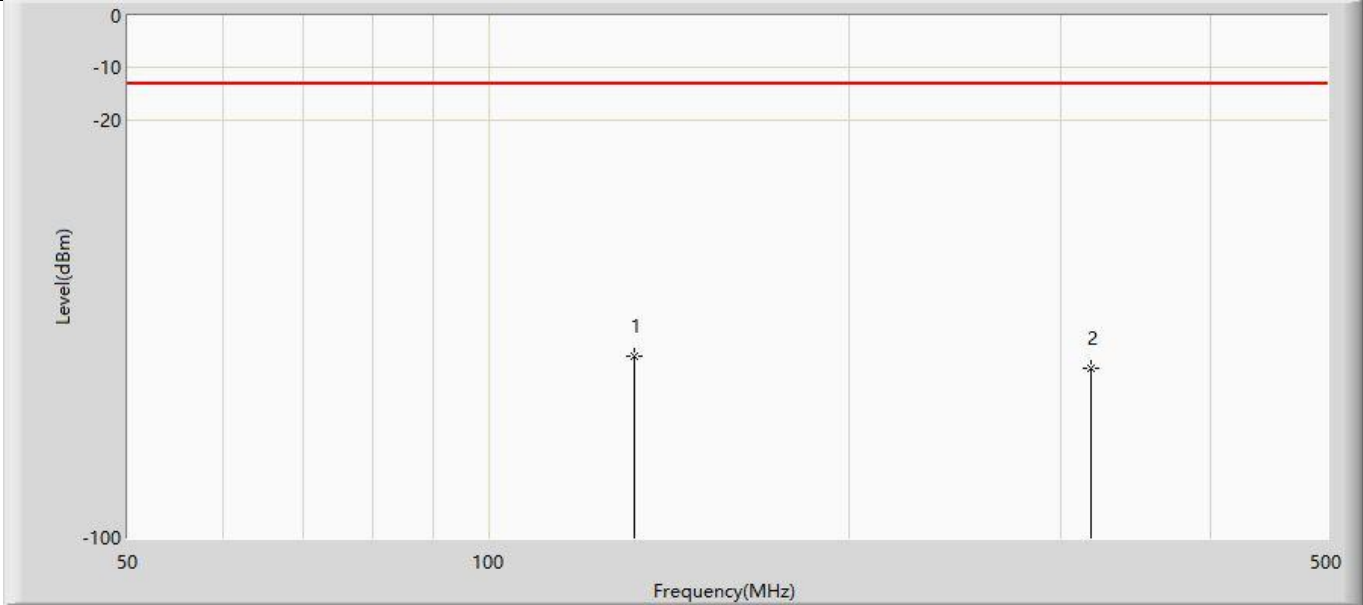
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		146.300	-69.203	-93.709	-56.203	-13.000	24.506	PK
2	*	351.050	-67.036	-93.176	-54.036	-13.000	26.140	PK



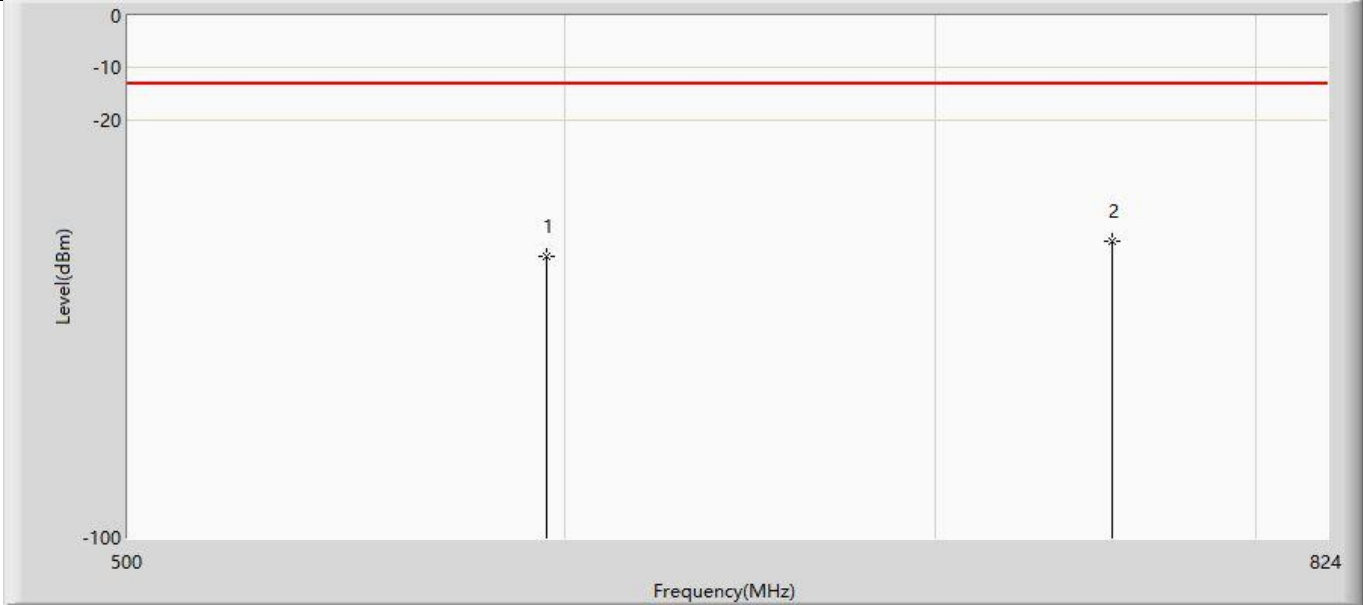
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	132.350	-65.116	-94.564	-52.116	-13.000	29.448	PK
2		317.750	-67.482	-94.350	-54.482	-13.000	26.868	PK



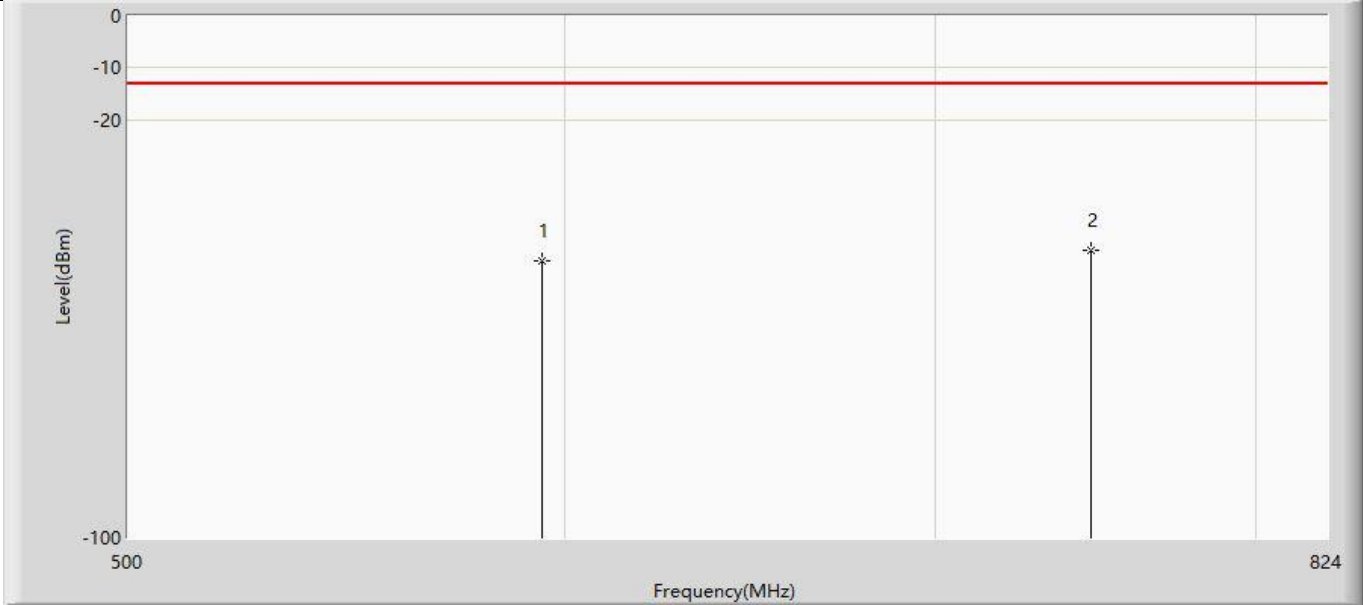
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Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		595.256	-46.112	-78.338	-33.112	-13.000	32.226	PK
2	*	753.368	-43.220	-77.457	-30.220	-13.000	34.237	PK



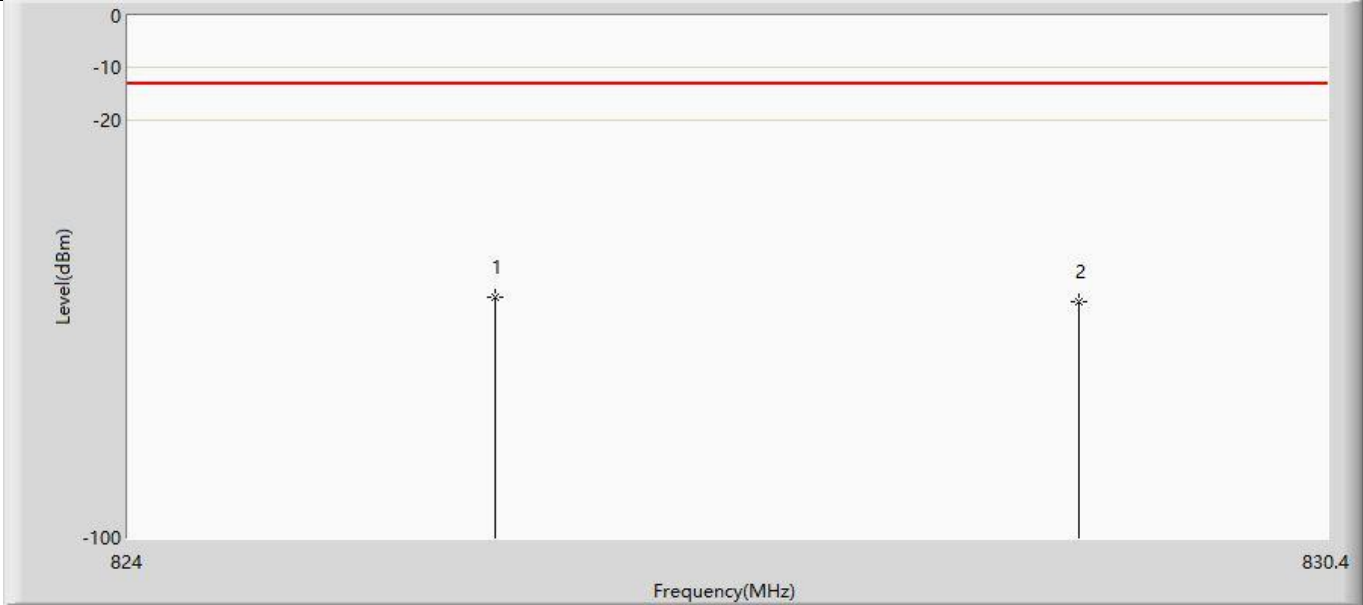
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		594.284	-46.917	-78.646	-33.917	-13.000	31.729	PK
2	*	746.888	-45.045	-78.695	-32.045	-13.000	33.650	PK



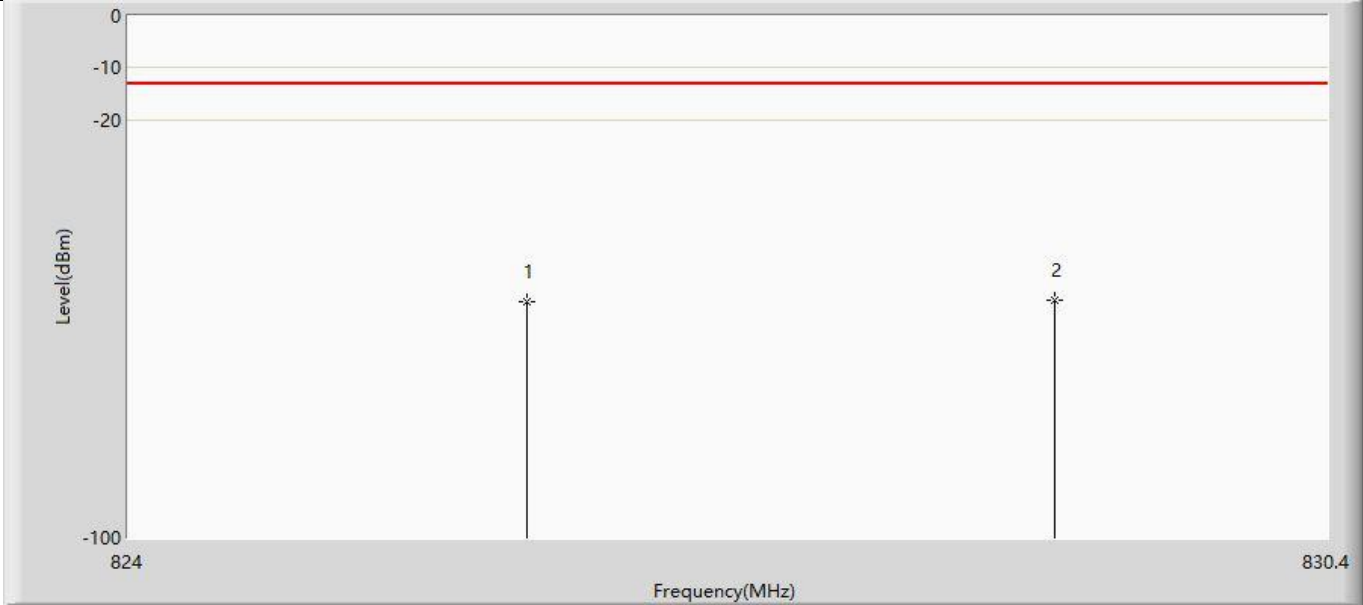
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Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	825.952	-53.990	-88.101	-40.990	-13.000	34.111	PK
2		829.075	-54.908	-89.074	-41.908	-13.000	34.166	PK



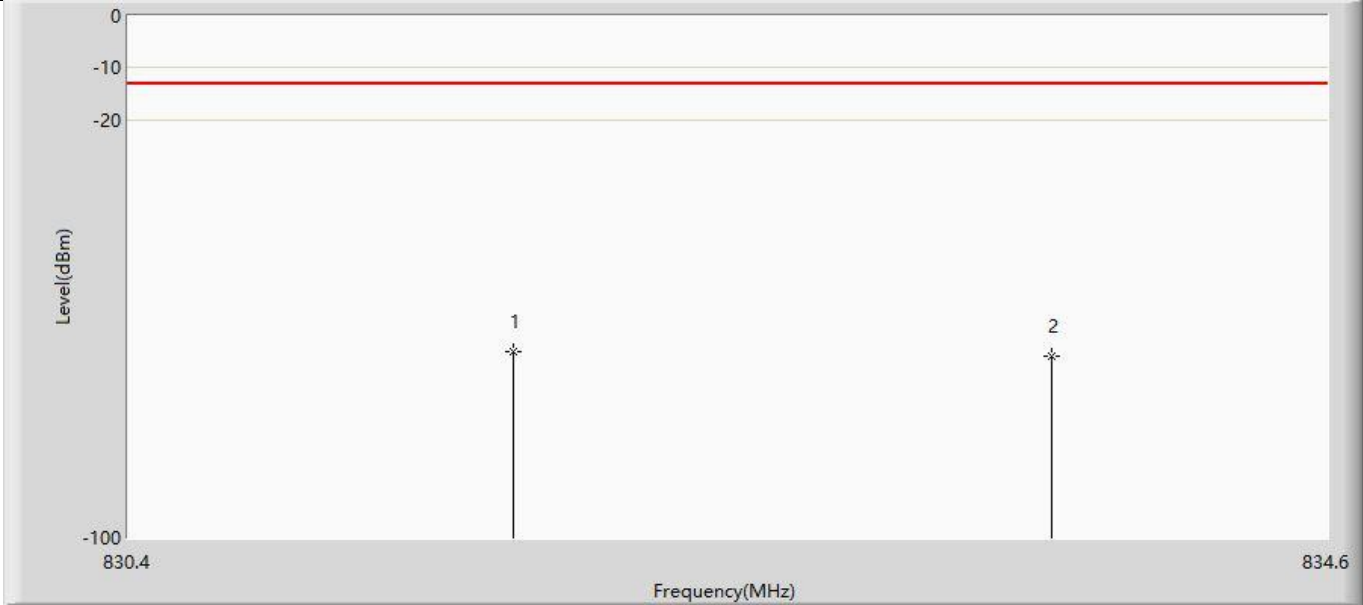
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		826.125	-54.642	-88.905	-41.642	-13.000	34.263	PK
2	*	828.941	-54.414	-88.701	-41.414	-13.000	34.287	PK



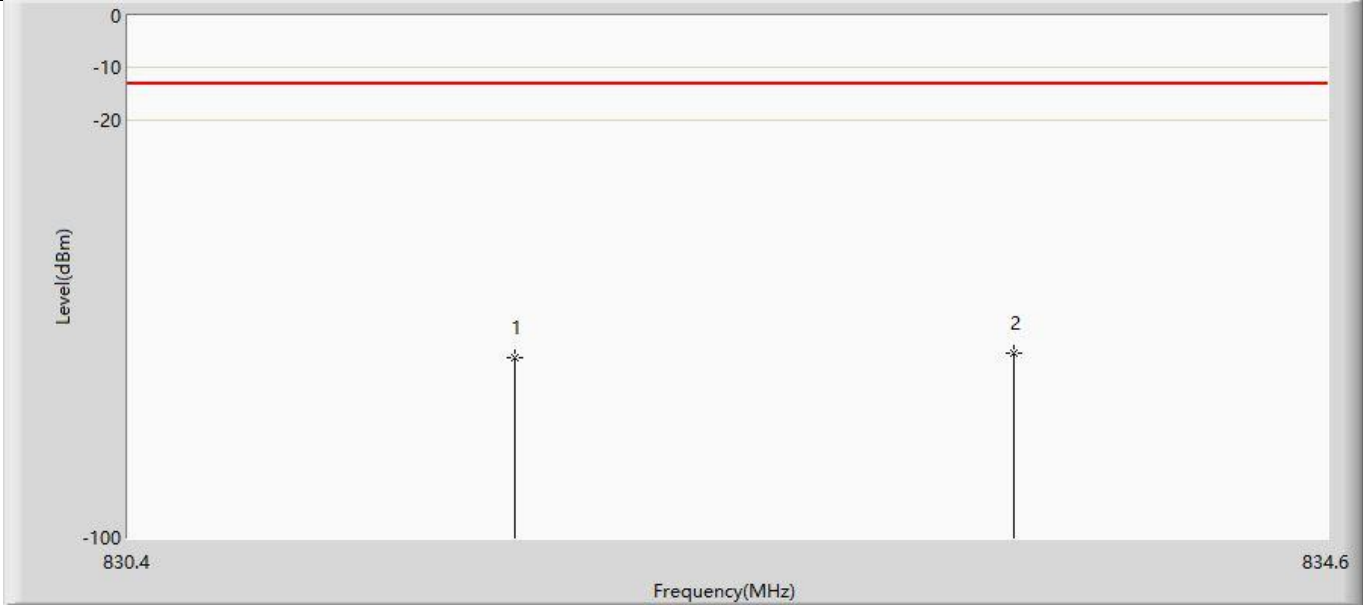
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Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	831.748	-64.370	-98.479	-51.370	-13.000	34.109	PK
2		833.634	-65.120	-99.130	-52.120	-13.000	34.010	PK



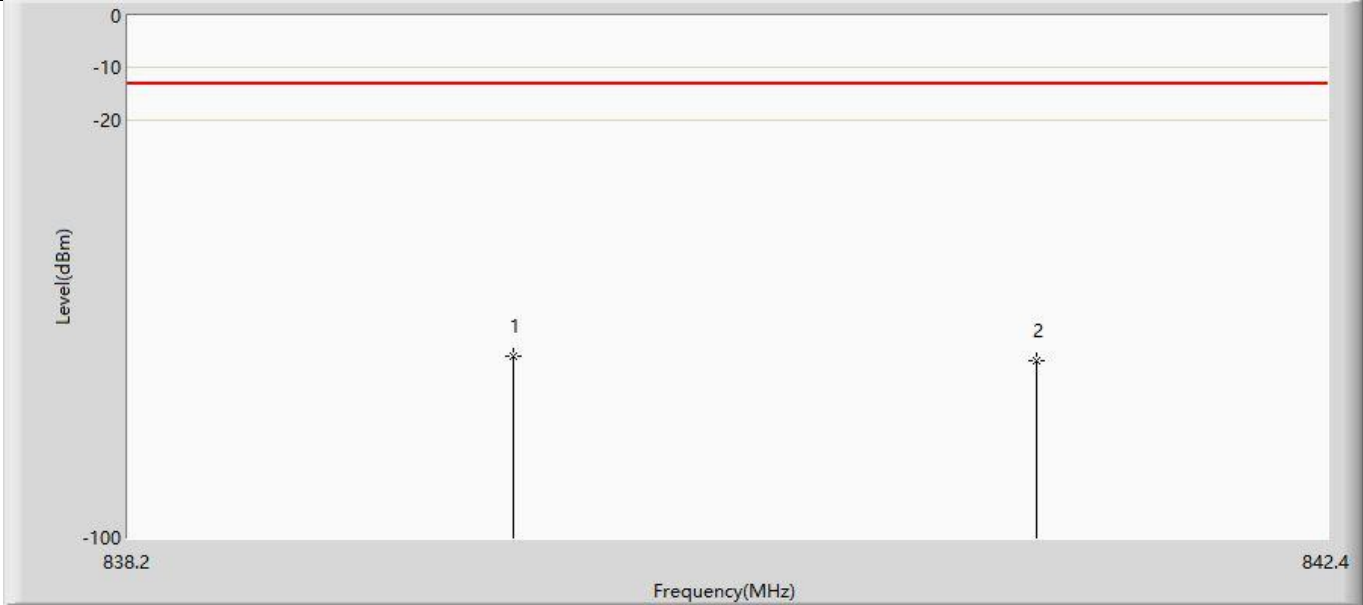
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		831.752	-65.481	-99.706	-52.481	-13.000	34.225	PK
2	*	833.504	-64.589	-98.725	-51.589	-13.000	34.136	PK



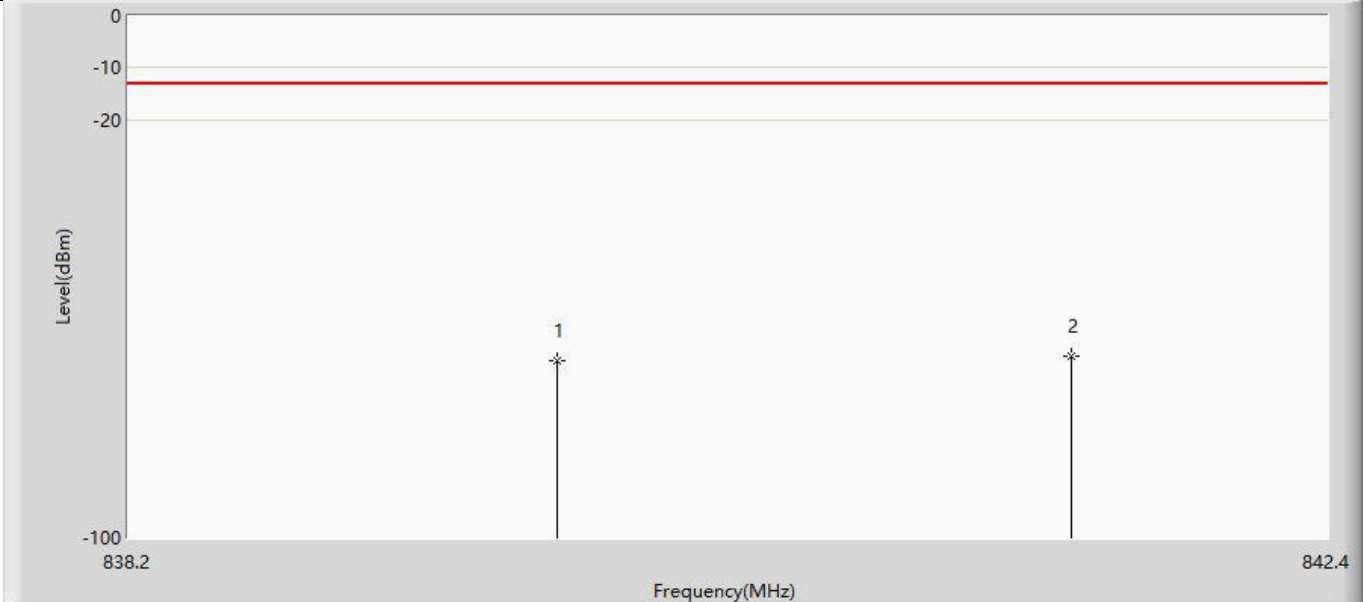
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Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	839.548	-65.253	-99.382	-52.253	-13.000	34.129	PK
2		841.379	-66.177	-100.119	-53.177	-13.000	33.942	PK



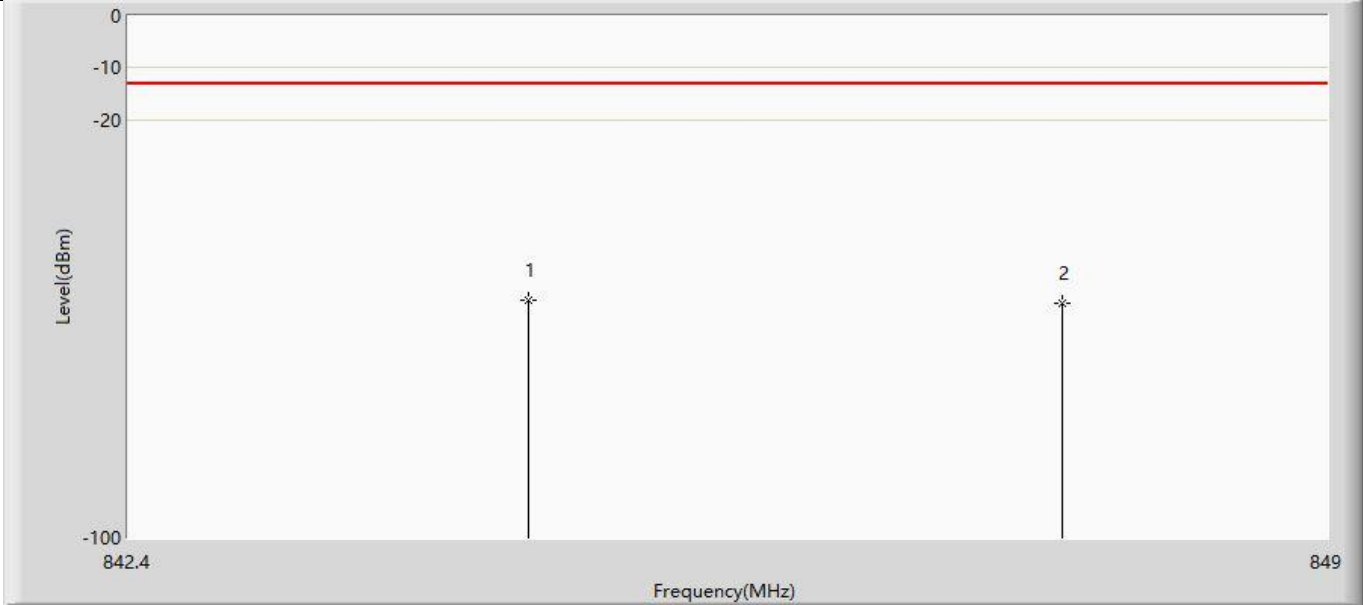
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		839.704	-66.106	-100.356	-53.106	-13.000	34.250	PK
2	*	841.505	-65.075	-99.181	-52.075	-13.000	34.106	PK



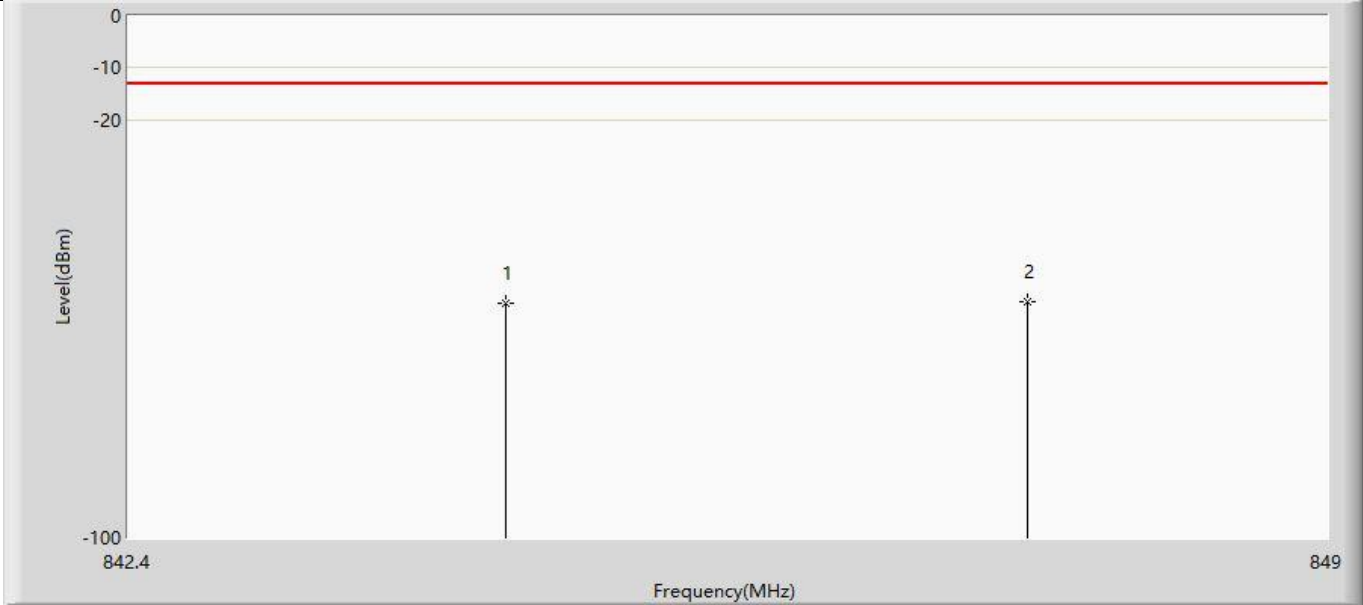
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Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	844.598	-54.355	-88.177	-41.355	-13.000	33.822	PK
2		847.541	-55.093	-88.878	-42.093	-13.000	33.785	PK



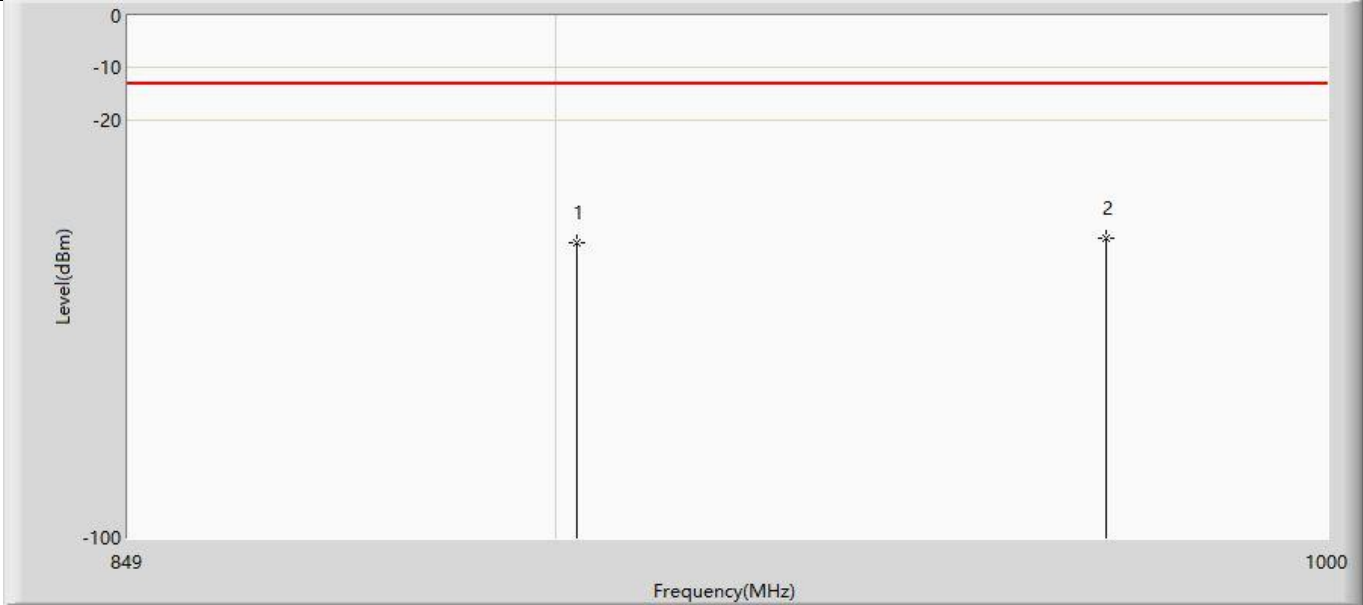
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Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		844.479	-54.929	-88.992	-41.929	-13.000	34.063	PK
2	*	847.350	-54.804	-88.871	-41.804	-13.000	34.067	PK



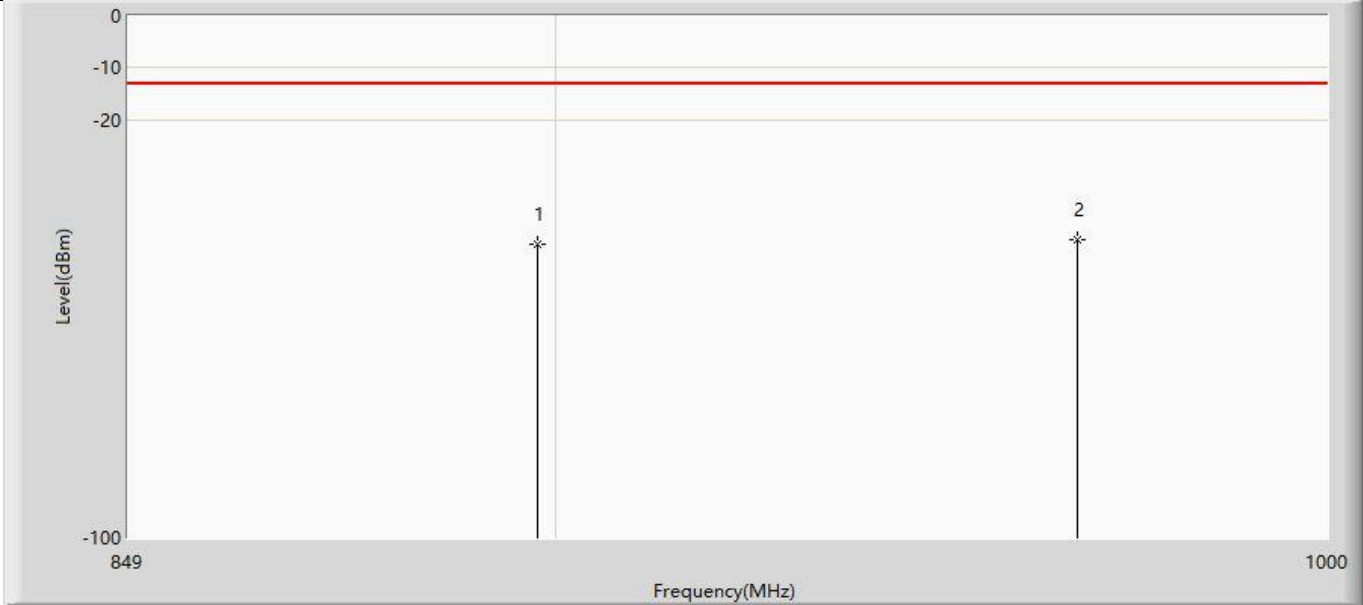
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		902.756	-43.376	-78.056	-30.376	-13.000	34.680	PK
2	*	970.404	-42.670	-77.675	-29.670	-13.000	35.005	PK



Profile: 24A0319R	Page No.: 40
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:04
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		897.773	-43.804	-78.427	-30.804	-13.000	34.623	PK
2	*	966.478	-42.769	-77.786	-29.769	-13.000	35.017	PK



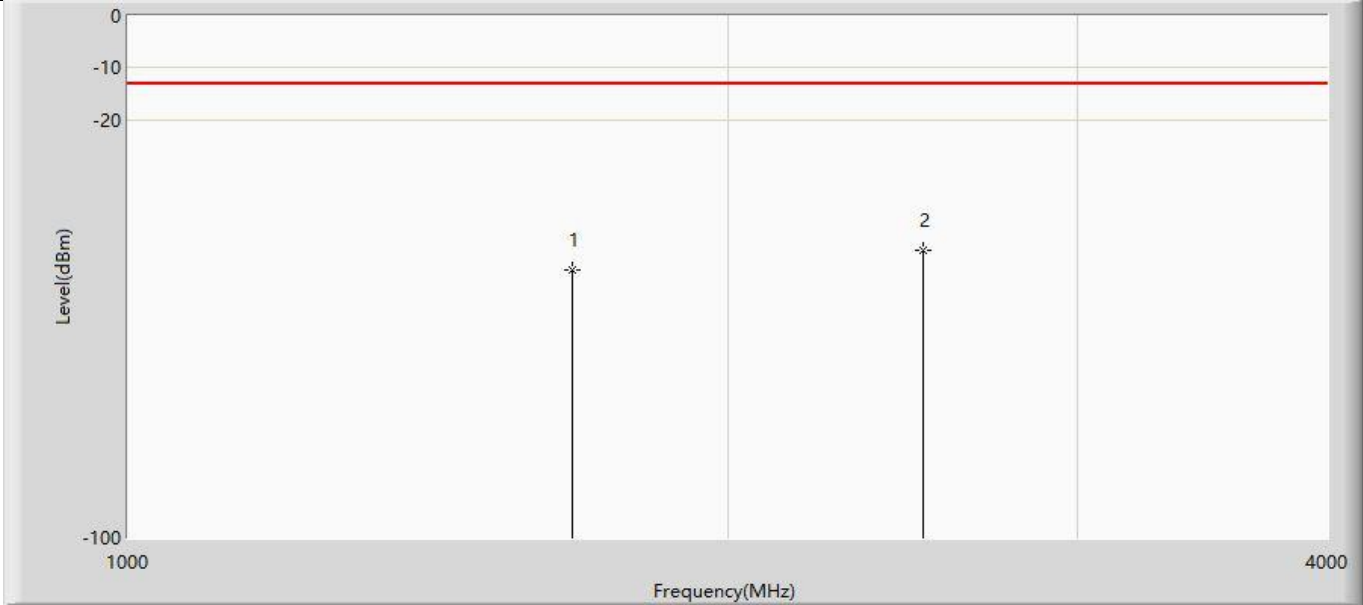
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1672.000	-47.266	-35.732	-34.266	-13.000	-11.534	PK
2	*	2509.000	-42.869	-33.060	-29.869	-13.000	-9.809	PK



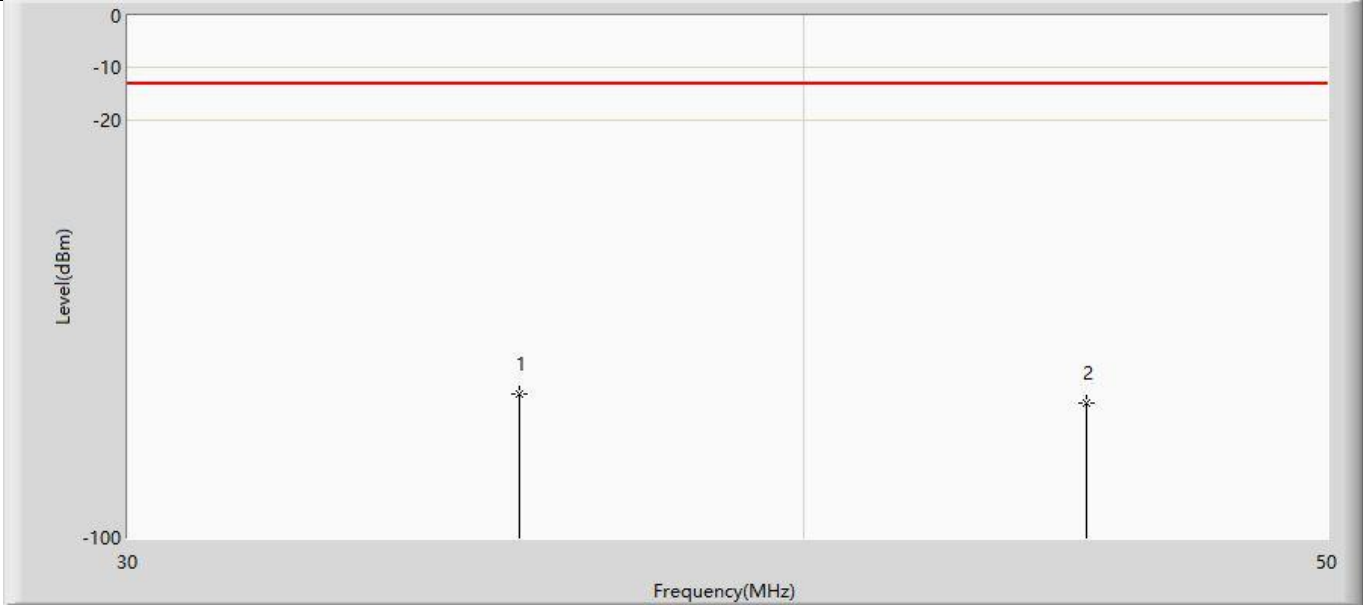
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 1:GSM850 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1672.000	-48.572	-37.471	-35.572	-13.000	-11.101	PK
2	*	2509.000	-44.894	-35.546	-31.894	-13.000	-9.348	PK



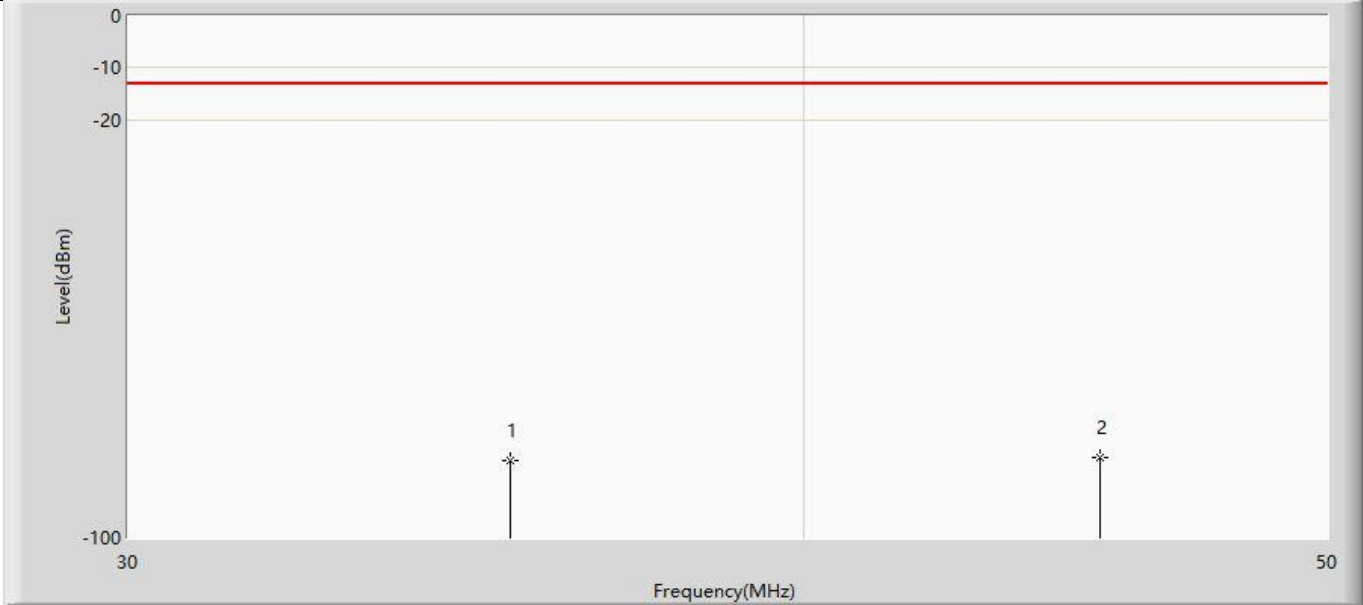
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	35.440	-72.434	-104.151	-59.434	-13.000	31.717	PK
2		45.120	-74.180	-104.654	-61.180	-13.000	30.474	PK



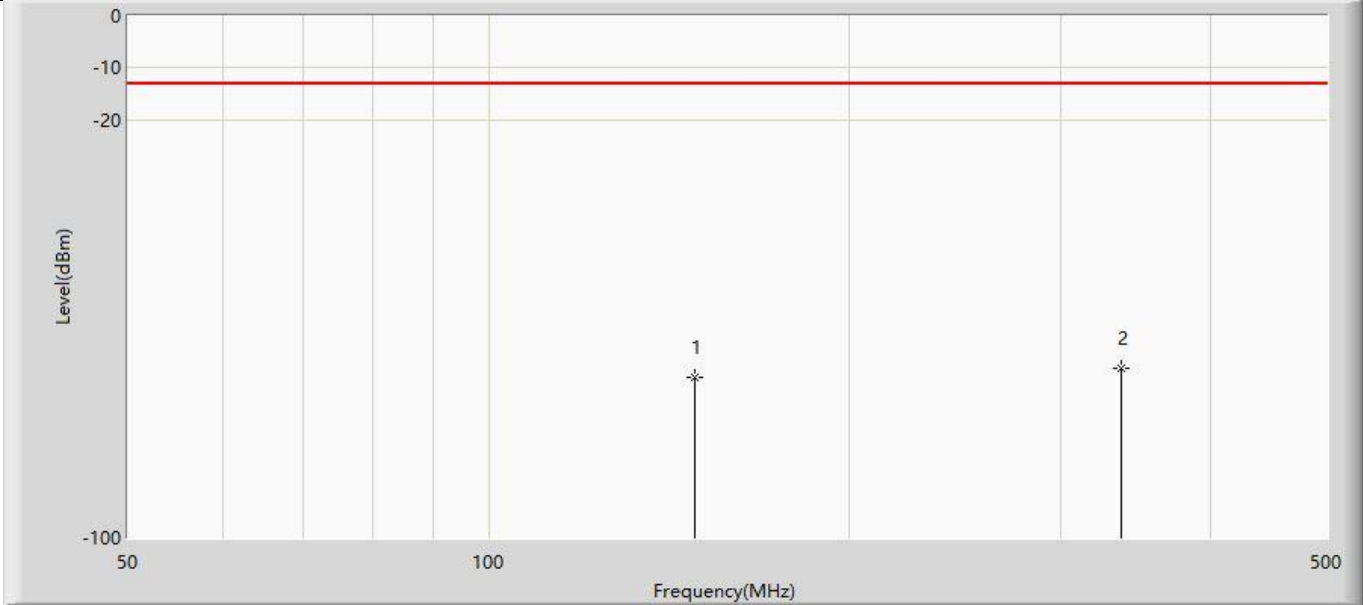
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		35.300	-85.273	-104.285	-72.273	-13.000	19.012	PK
2	*	45.400	-84.525	-105.616	-71.525	-13.000	21.091	PK



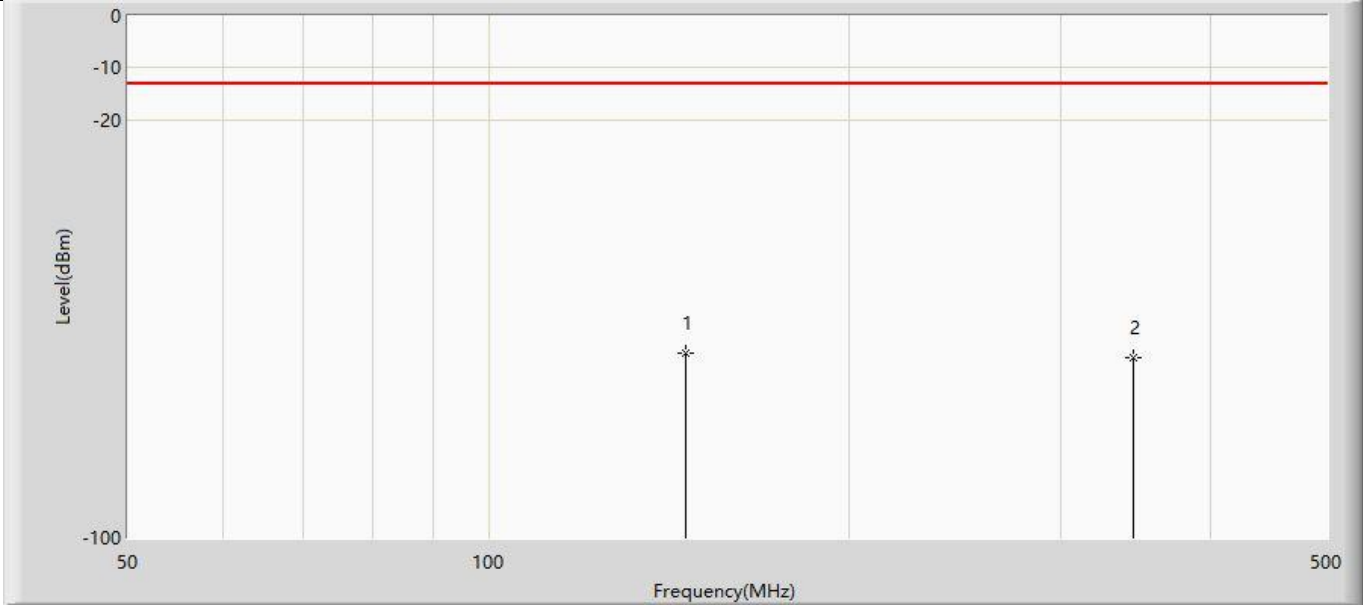
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Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		148.550	-69.357	-93.768	-56.357	-13.000	24.411	PK
2	*	336.650	-67.416	-93.640	-54.416	-13.000	26.224	PK



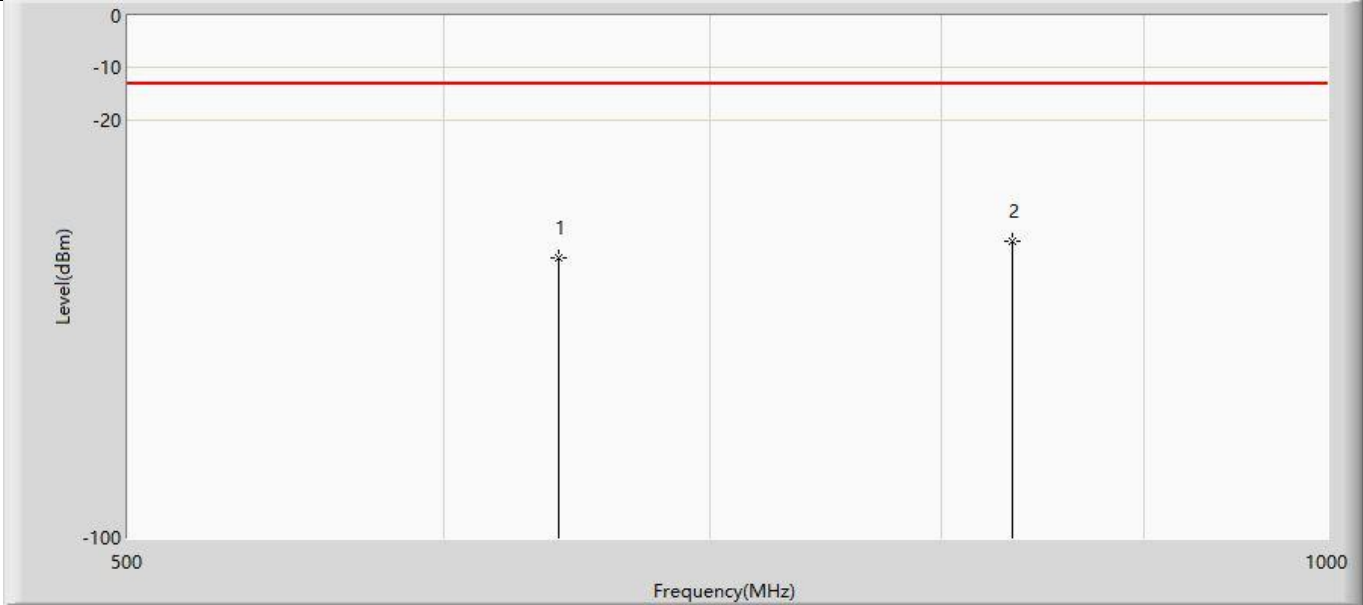
Profile: 24A0319R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	145.850	-64.708	-94.067	-51.708	-13.000	29.359	PK
2		344.750	-65.626	-92.725	-52.626	-13.000	27.099	PK



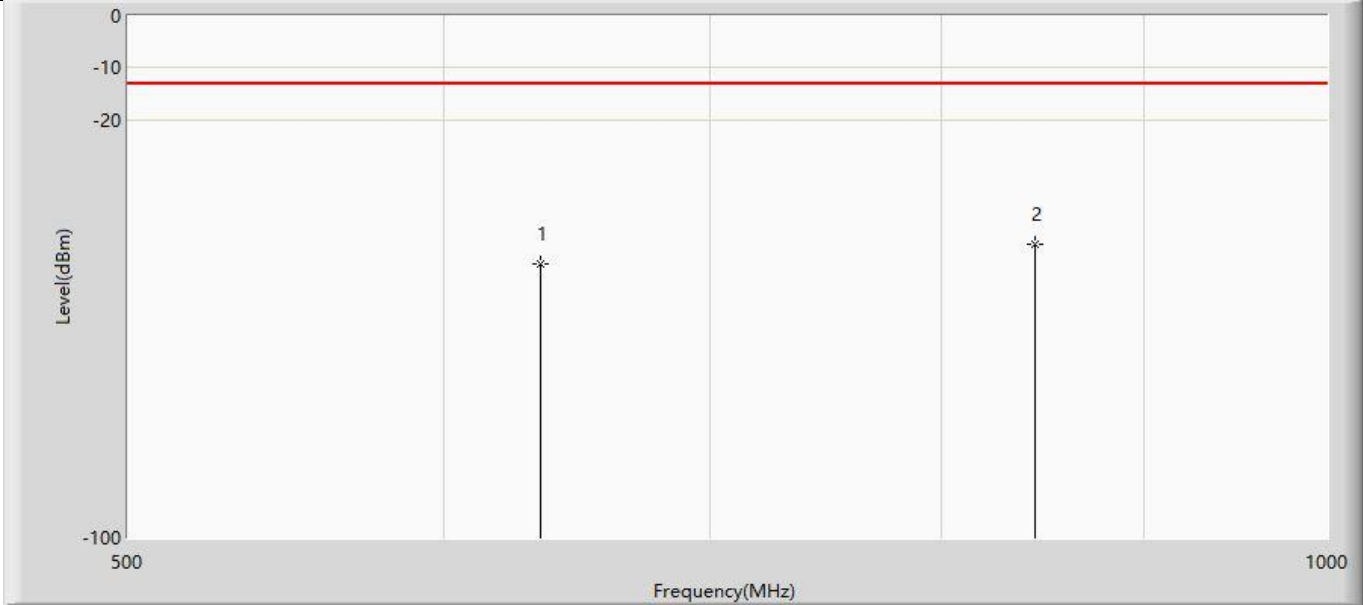
Profile: 24A0319R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		641.500	-46.501	-77.913	-33.501	-13.000	31.412	PK
2	*	834.000	-43.173	-77.176	-30.173	-13.000	34.003	PK



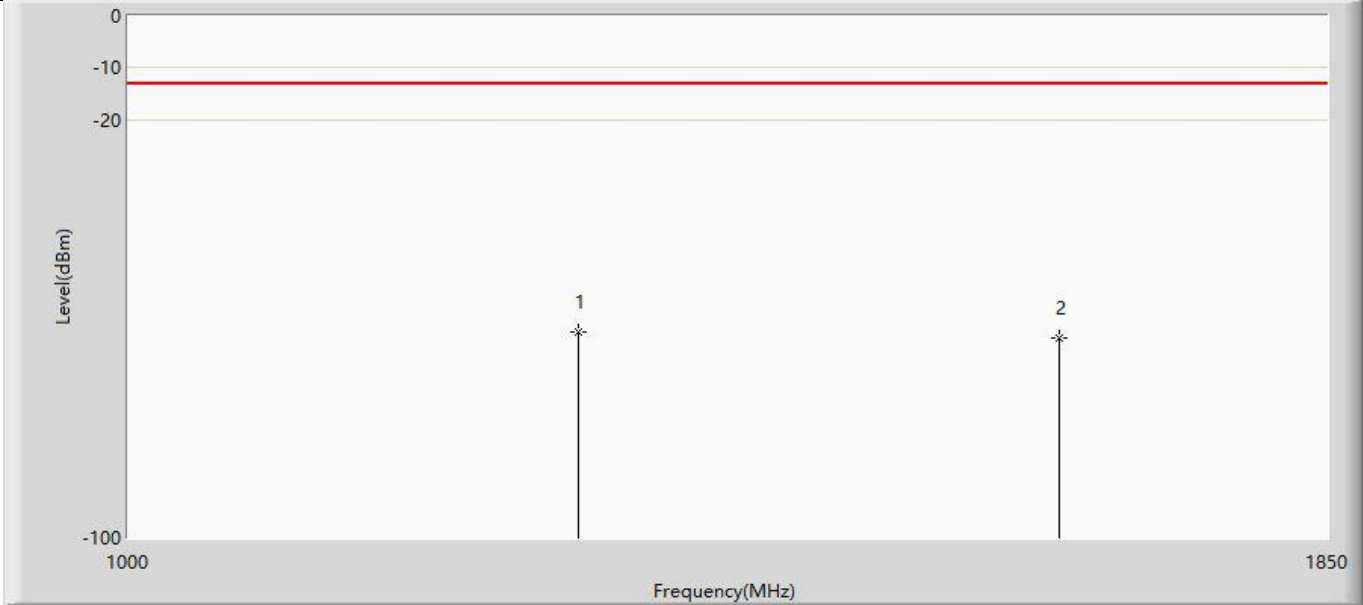
Profile: 24A0319R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		634.500	-47.490	-79.006	-34.490	-13.000	31.516	PK
2	*	844.500	-43.856	-77.921	-30.856	-13.000	34.065	PK



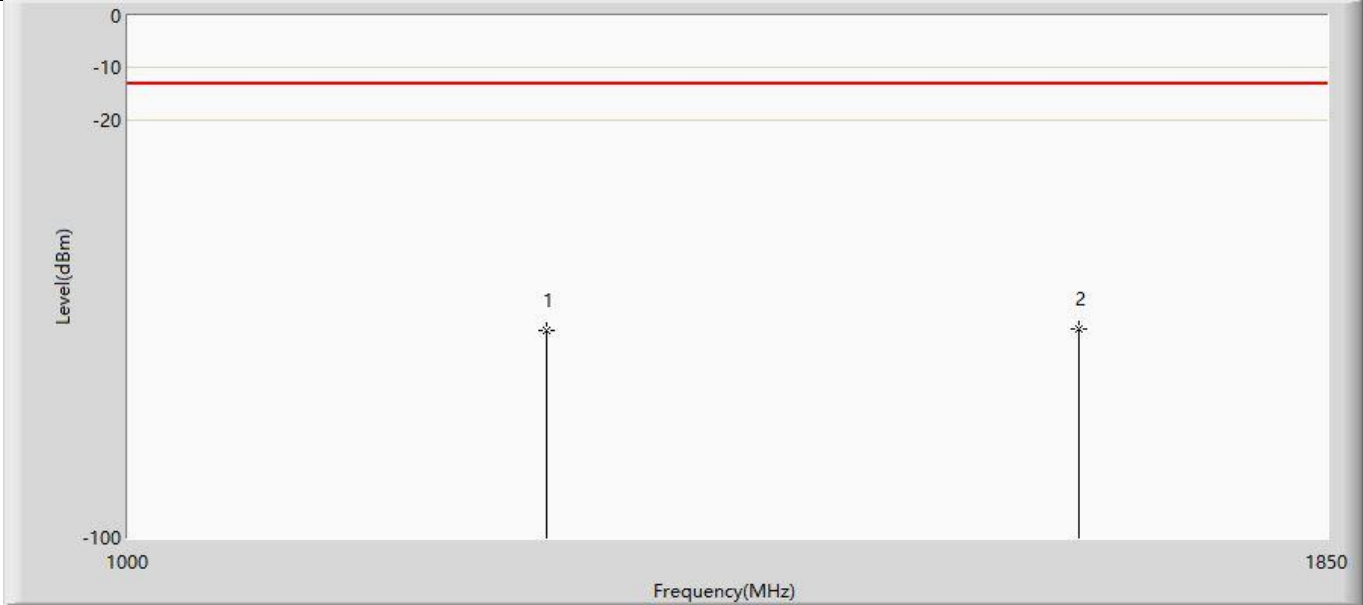
Profile: 24A0319R	Page No.: 31
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1260.100	-60.479	-47.962	-47.479	-13.000	-12.517	PK
2		1612.850	-61.840	-48.538	-48.840	-13.000	-13.302	PK



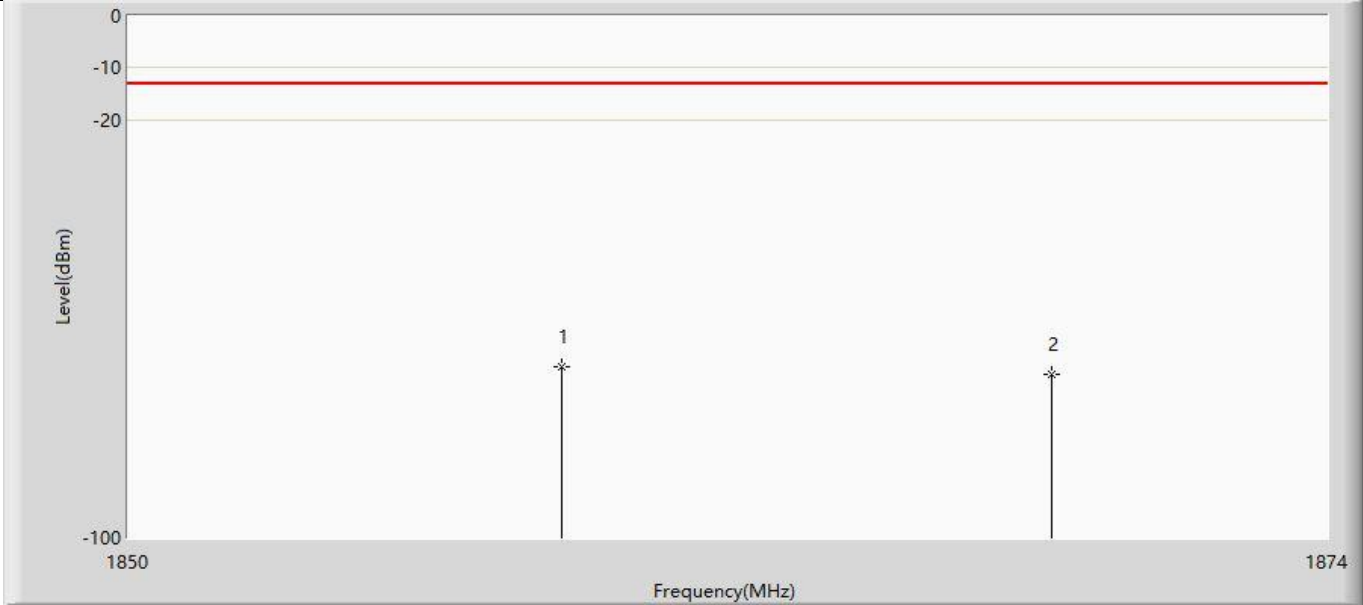
Profile: 24A0319R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:29
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1239.700	-60.318	-48.104	-47.318	-13.000	-12.214	PK
2	*	1629.000	-60.052	-48.012	-47.052	-13.000	-12.040	PK



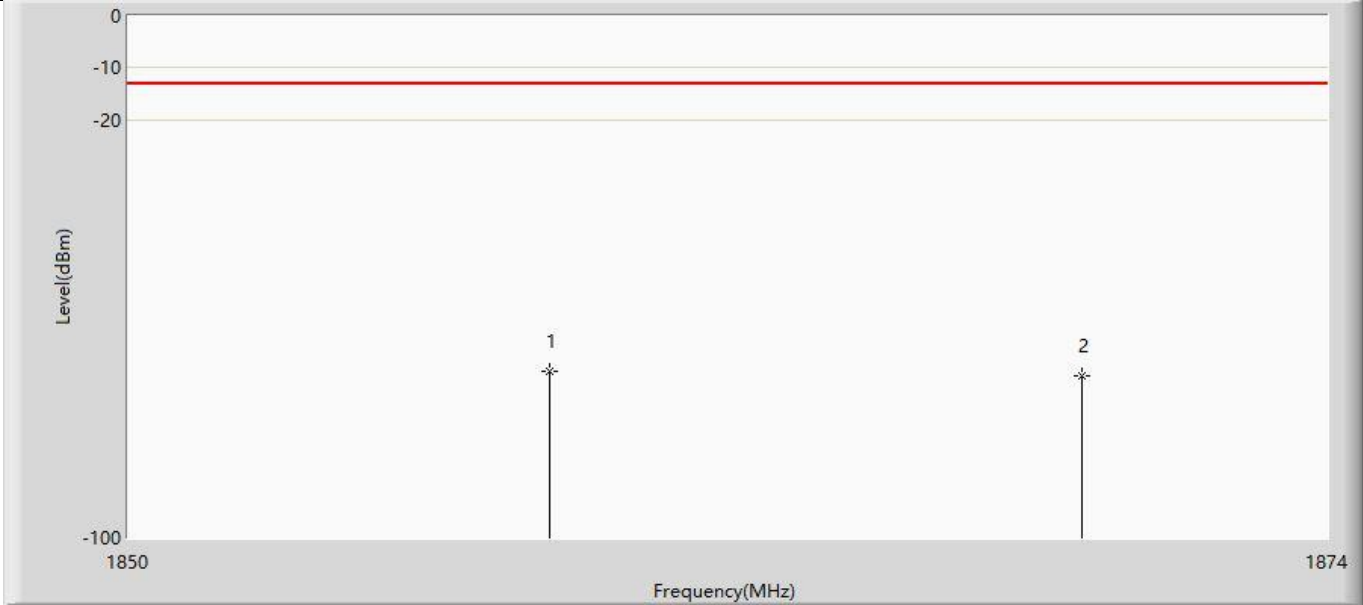
Profile: 24A0319R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:31
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1858.640	-67.243	-58.383	-54.243	-13.000	-8.860	PK
2		1868.456	-68.667	-59.227	-55.667	-13.000	-9.440	PK



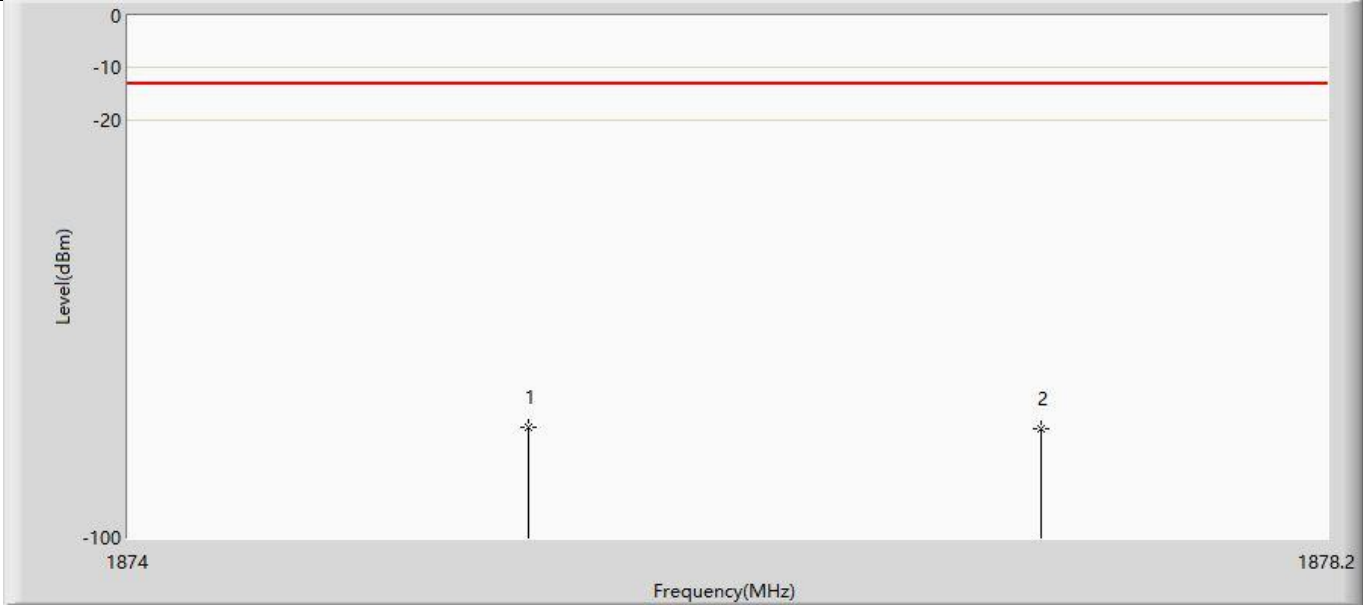
Profile: 24A0319R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:31
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1858.400	-68.153	-58.834	-55.153	-13.000	-9.319	PK
2		1869.080	-68.914	-58.834	-55.914	-13.000	-10.080	PK



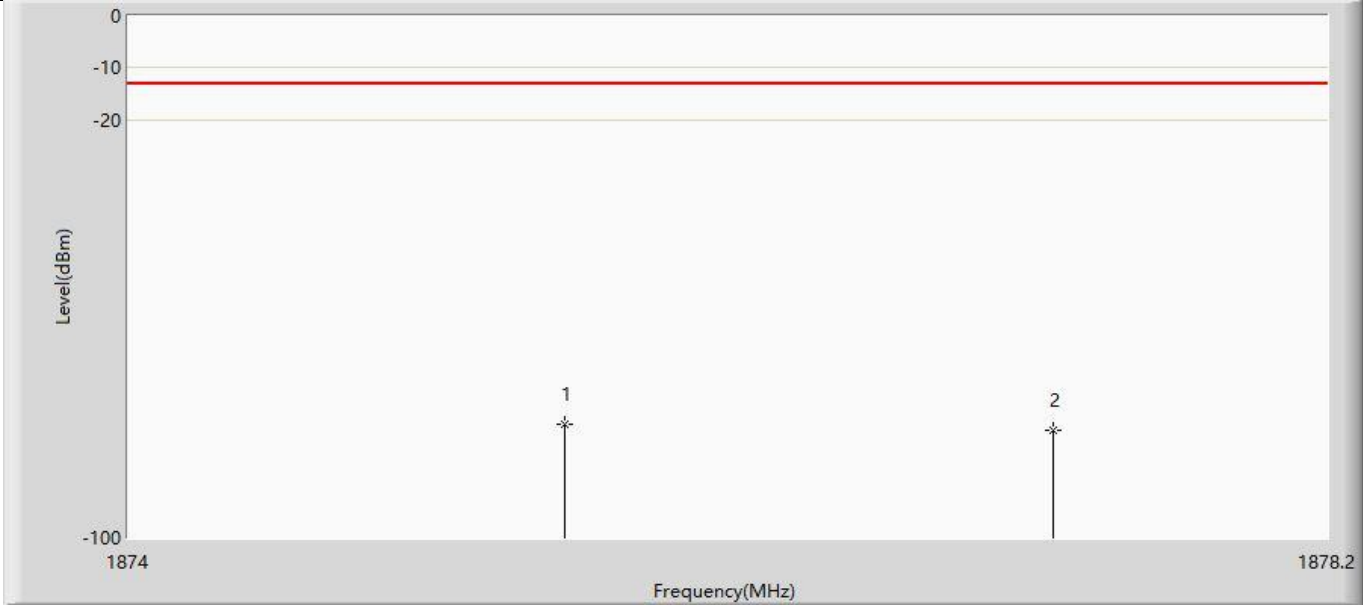
Profile: 24A0319R	Page No.: 35
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:31
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1875.403	-78.976	-69.630	-65.976	-13.000	-9.346	PK
2		1877.200	-79.034	-69.712	-66.034	-13.000	-9.322	PK



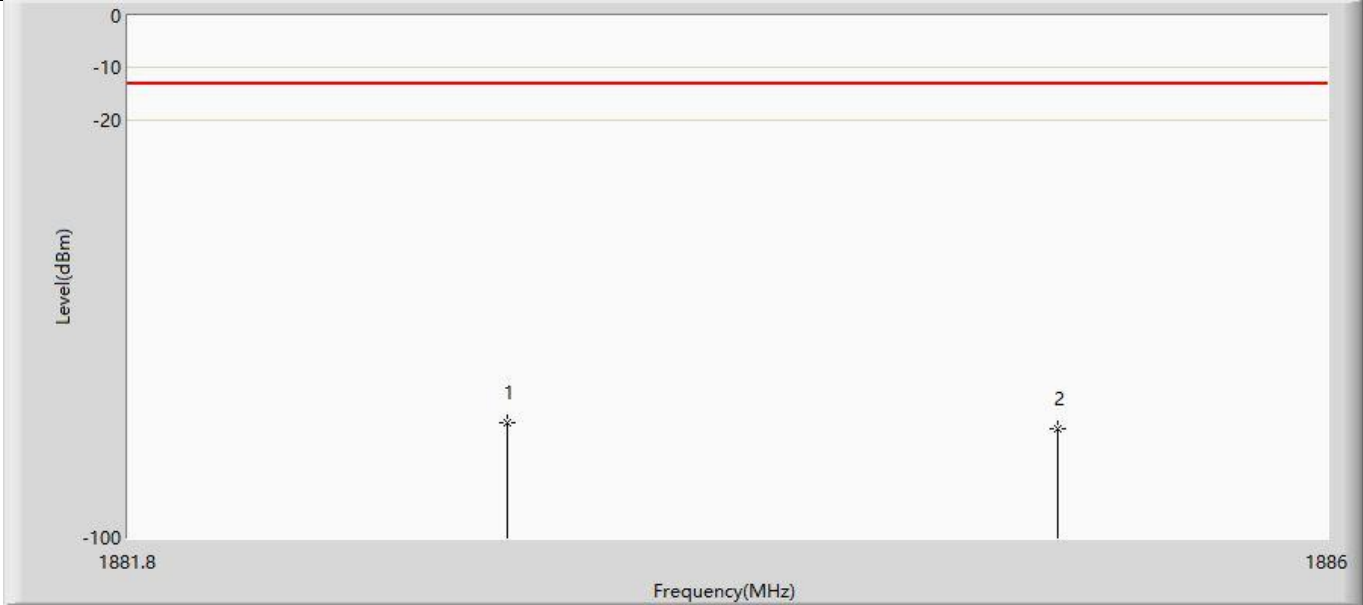
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:31
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1875.529	-78.364	-68.751	-65.364	-13.000	-9.613	PK
2		1877.238	-79.345	-69.856	-66.345	-13.000	-9.489	PK



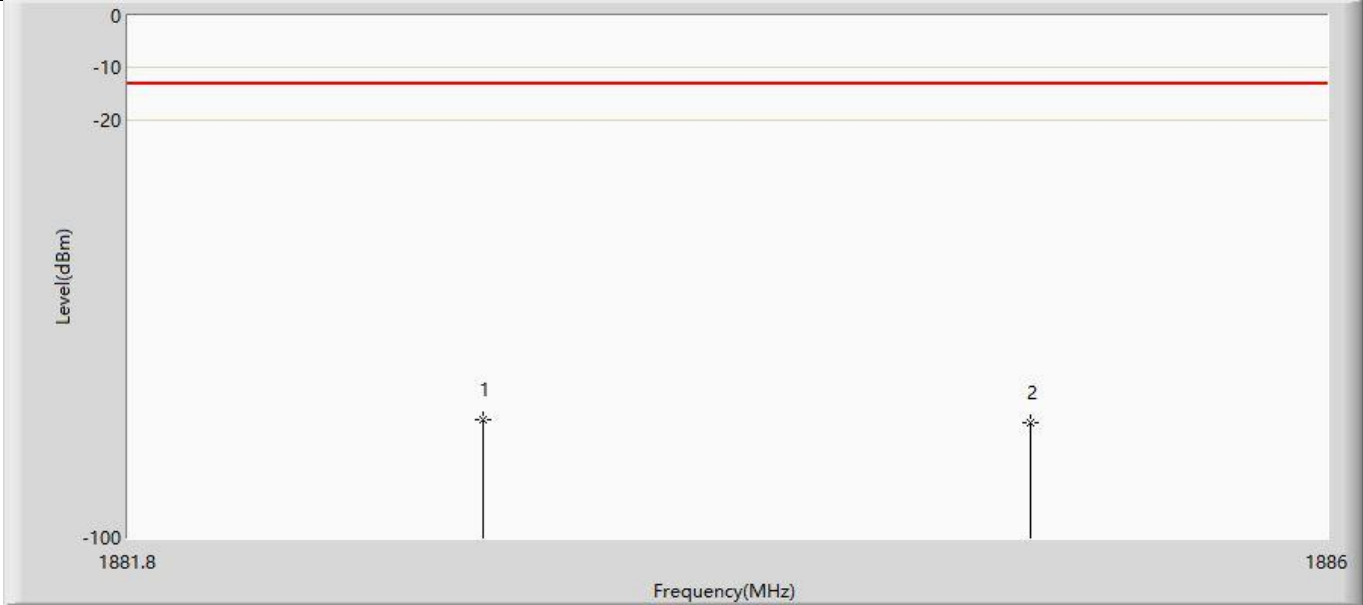
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1883.127	-77.983	-68.741	-64.983	-13.000	-9.242	PK
2		1885.055	-79.122	-69.847	-66.122	-13.000	-9.275	PK



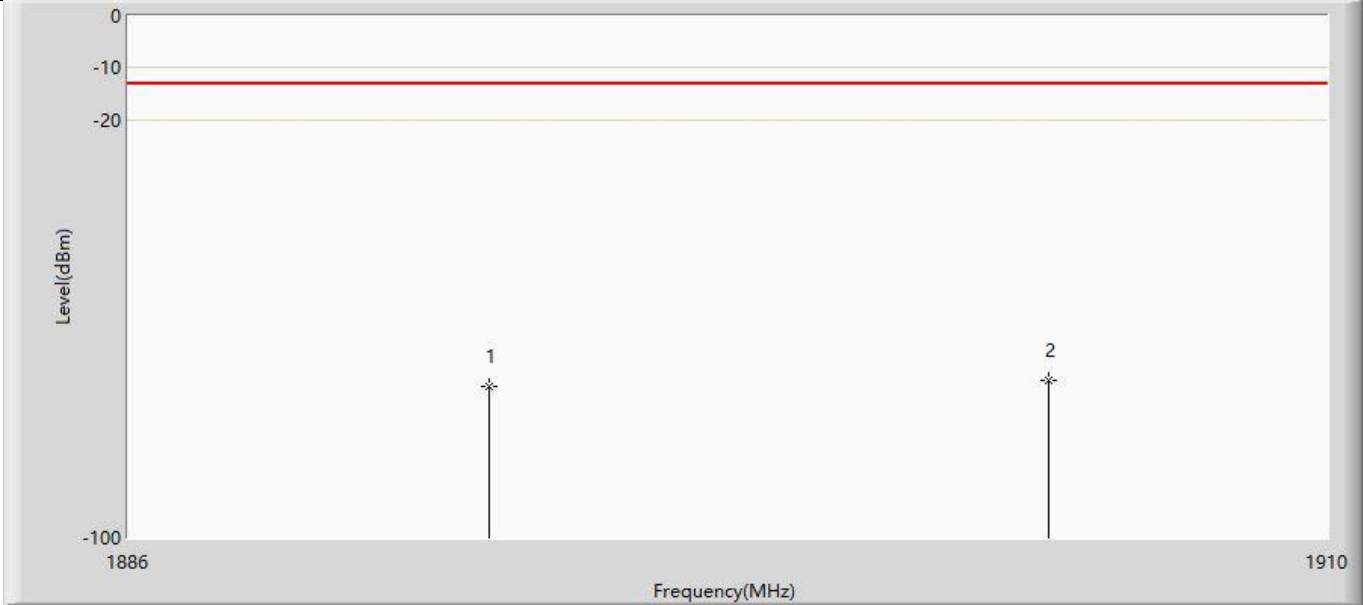
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Engineer: Yuliu	
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1883.043	-77.389	-68.320	-64.389	-13.000	-9.069	PK
2		1884.963	-77.911	-68.856	-64.911	-13.000	-9.055	PK



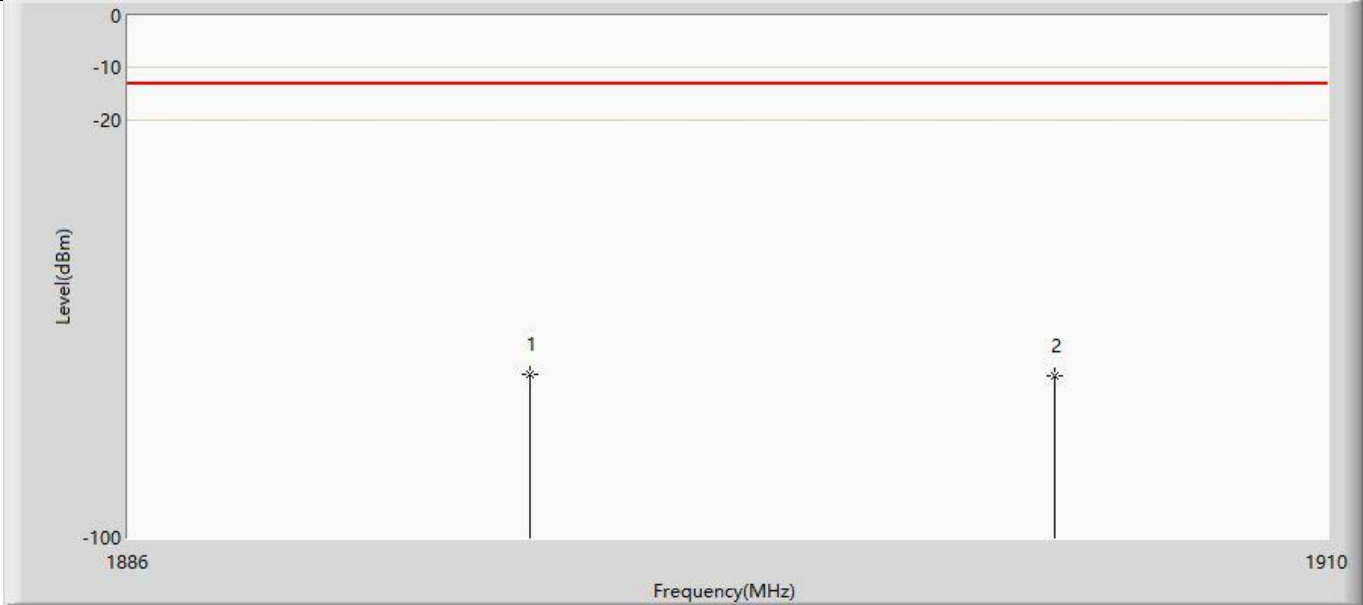
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:32
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1893.200	-71.068	-61.448	-58.068	-13.000	-9.620	PK
2	*	1904.408	-69.889	-59.793	-56.889	-13.000	-10.096	PK



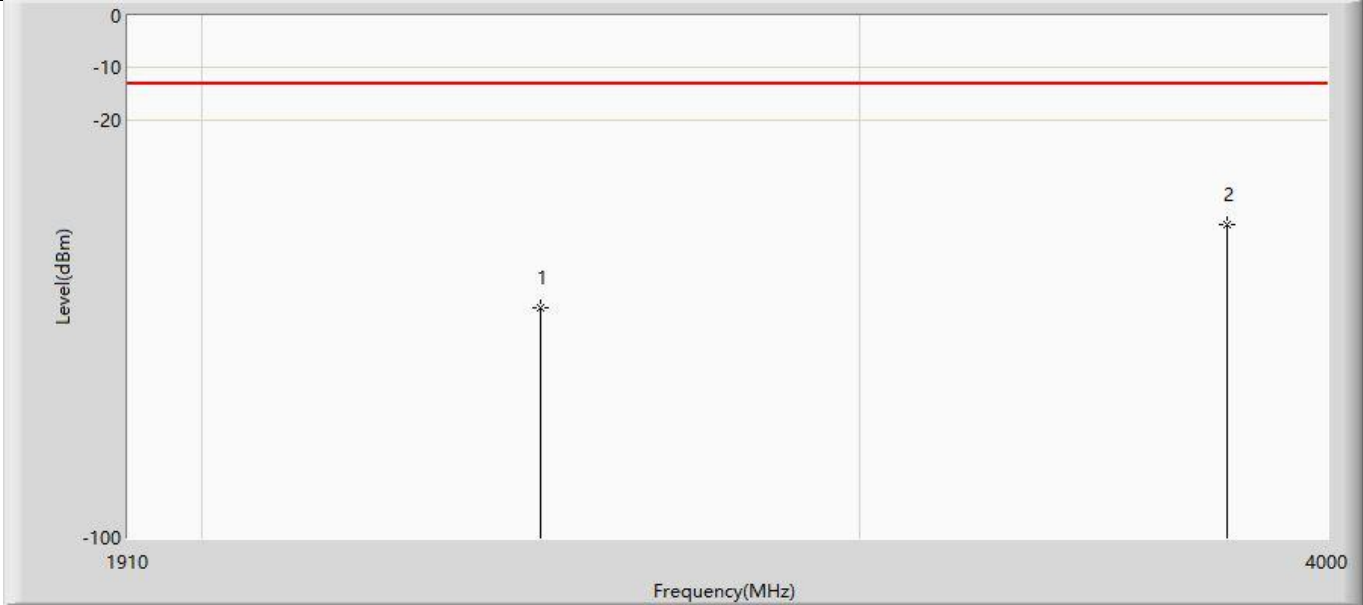
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Engineer: Yuliu	
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Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	1894.016	-68.684	-59.112	-55.684	-13.000	-9.572	PK
2		1904.528	-69.053	-58.880	-56.053	-13.000	-10.173	PK



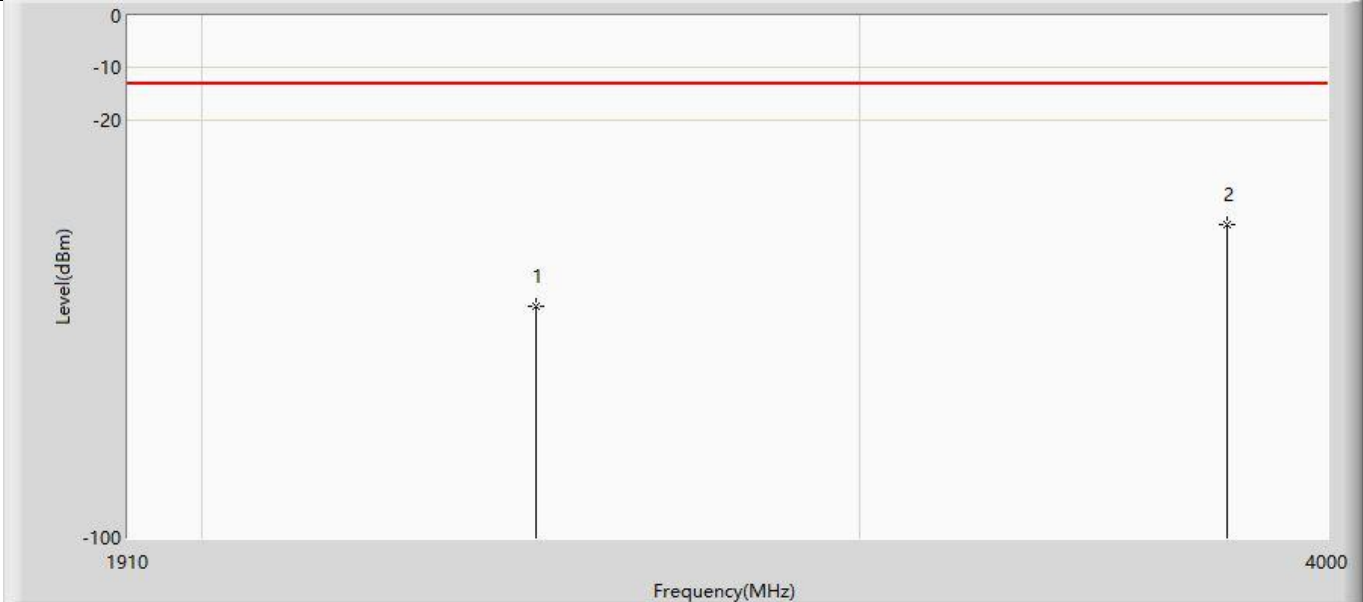
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:32
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		2463.850	-56.044	-46.583	-43.044	-13.000	-9.461	PK
2	*	3759.650	-40.023	-34.329	-27.023	-13.000	-5.694	PK



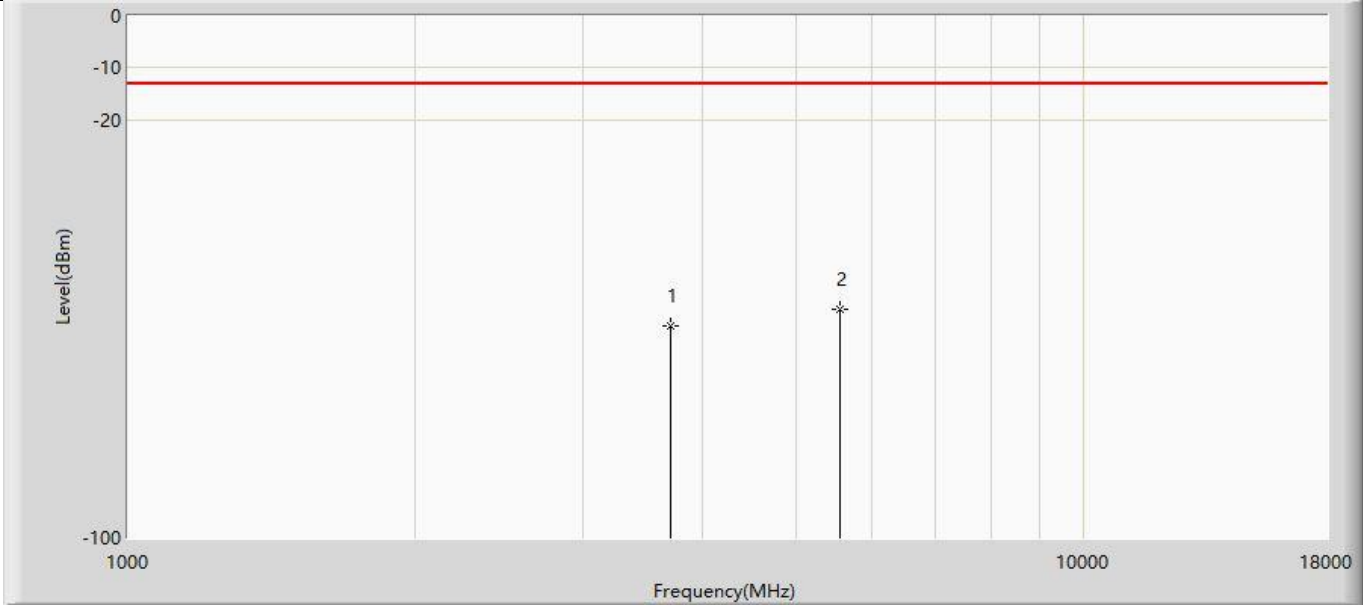
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 16:32
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 2:GSM1900 Traffic	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		2457.580	-55.678	-46.080	-42.678	-13.000	-9.598	PK
2	*	3759.650	-40.023	-34.516	-27.023	-13.000	-5.507	PK



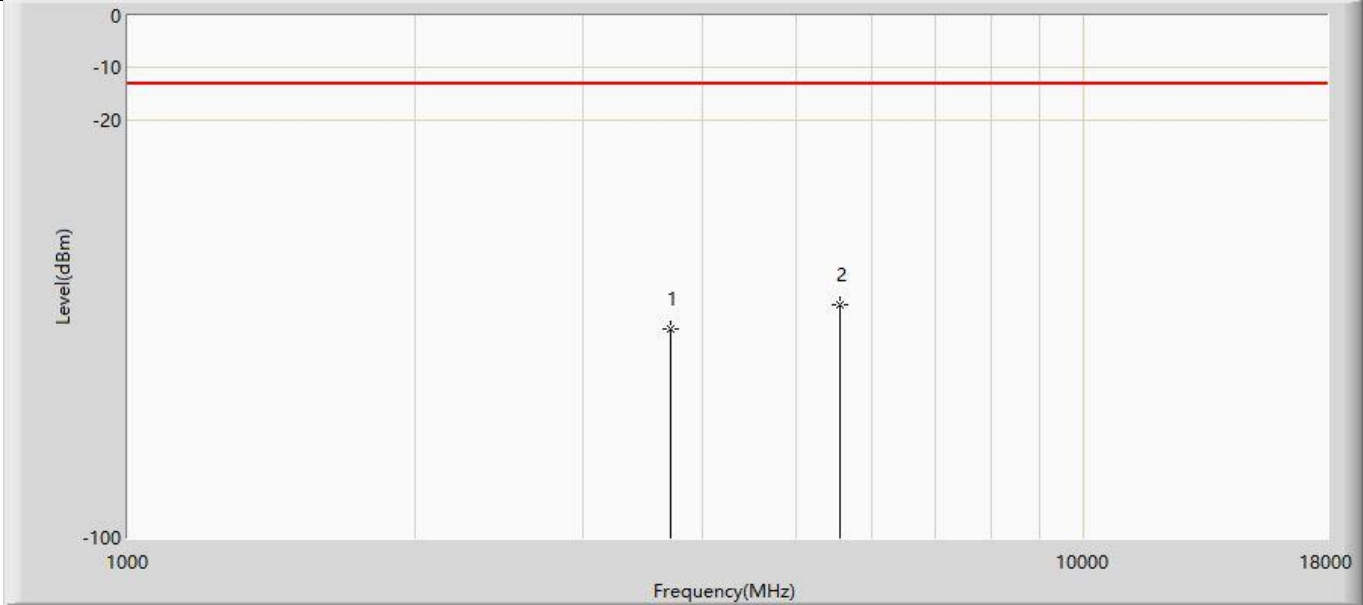
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:08
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3704.800	-59.285	-53.156	-46.285	-13.000	-6.129	PK
2	*	5557.200	-56.232	-54.591	-43.232	-13.000	-1.641	PK



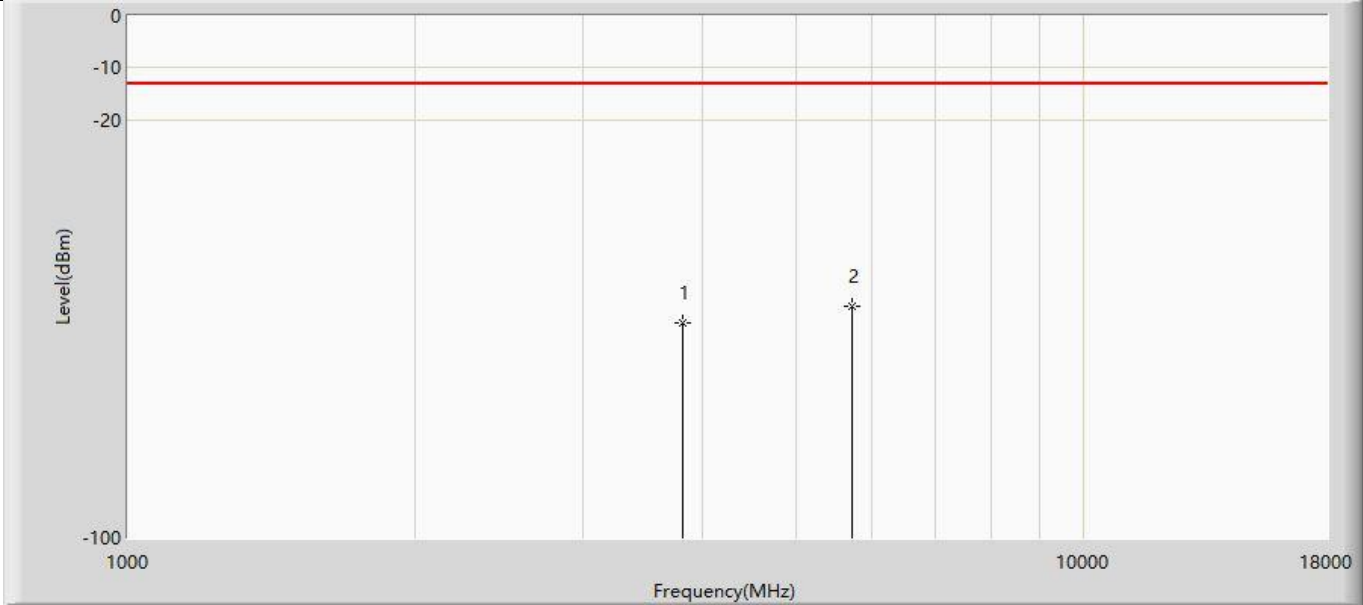
Profile: 24A0319R	Page No.: 26
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:19
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3704.800	-60.016	-53.798	-47.016	-13.000	-6.218	PK
2	*	5557.200	-55.280	-54.854	-42.280	-13.000	-0.426	PK



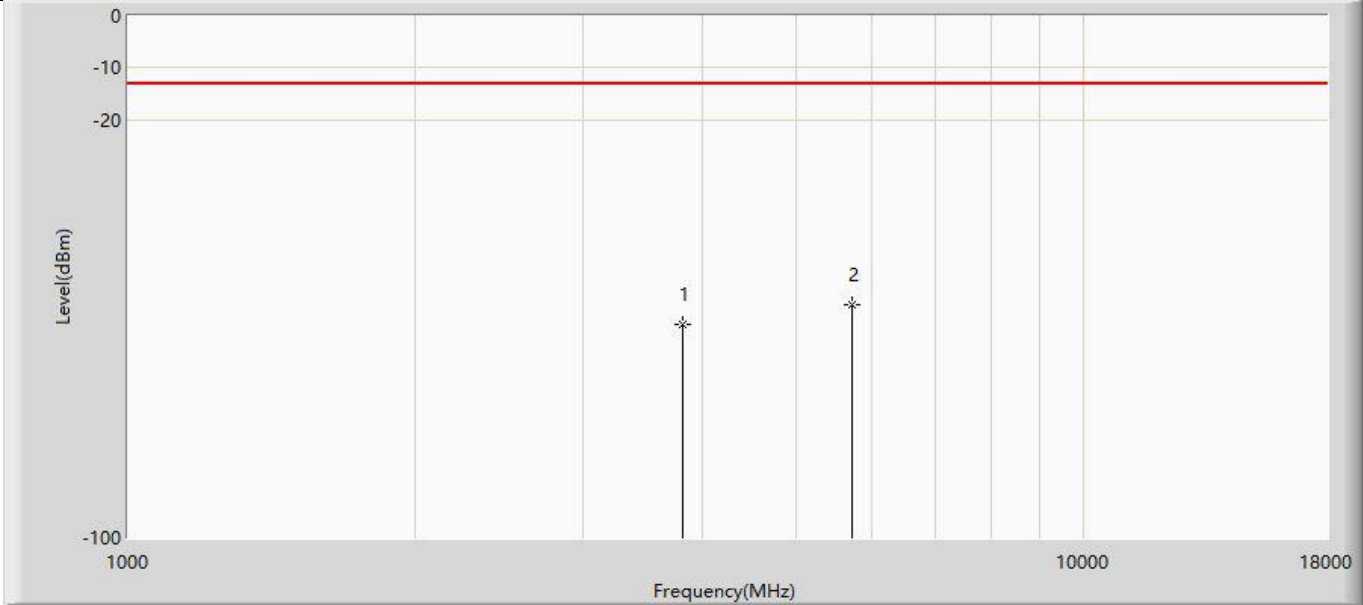
Profile: 24A0319R	Page No.: 27
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1907.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3815.200	-58.741	-53.477	-45.741	-13.000	-5.264	PK
2	*	5722.800	-55.633	-54.715	-42.633	-13.000	-0.918	PK



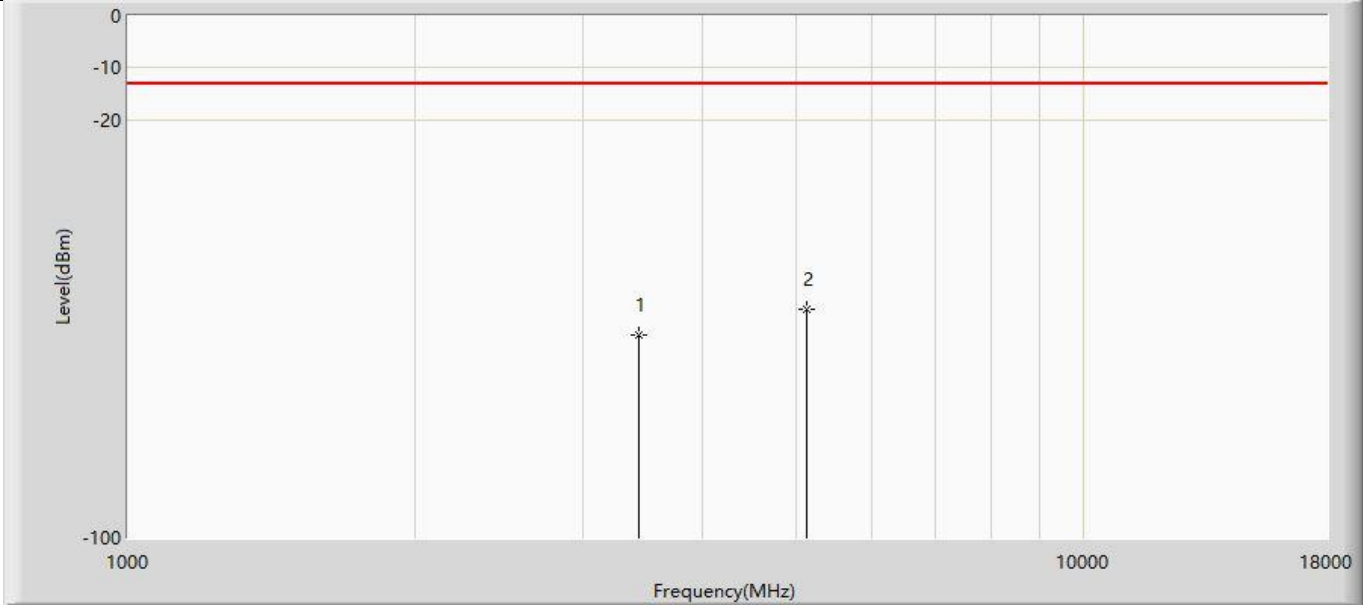
Profile: 24A0319R	Page No.: 28
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1907.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3815.200	-59.062	-54.004	-46.062	-13.000	-5.058	PK
2	*	5722.800	-55.409	-54.964	-42.409	-13.000	-0.445	PK



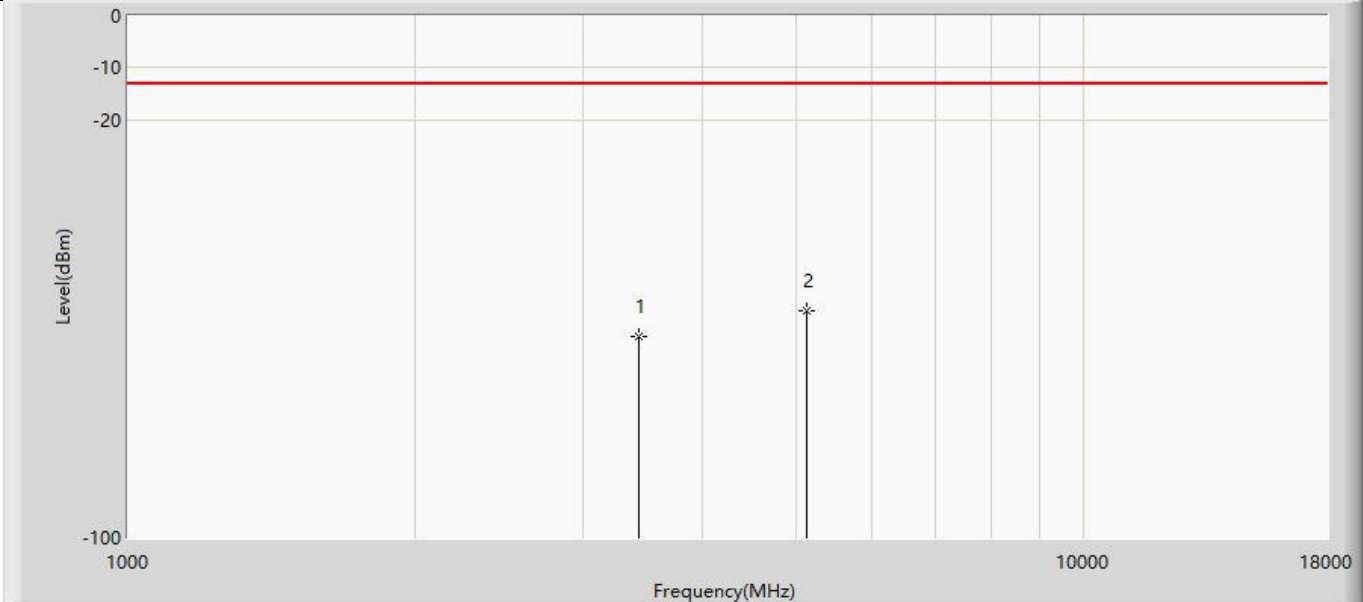
Profile: 24A0319R	Page No.: 29
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1712.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3424.800	-61.210	-53.000	-48.210	-13.000	-8.210	PK
2	*	5137.200	-56.368	-55.127	-43.368	-13.000	-1.241	PK



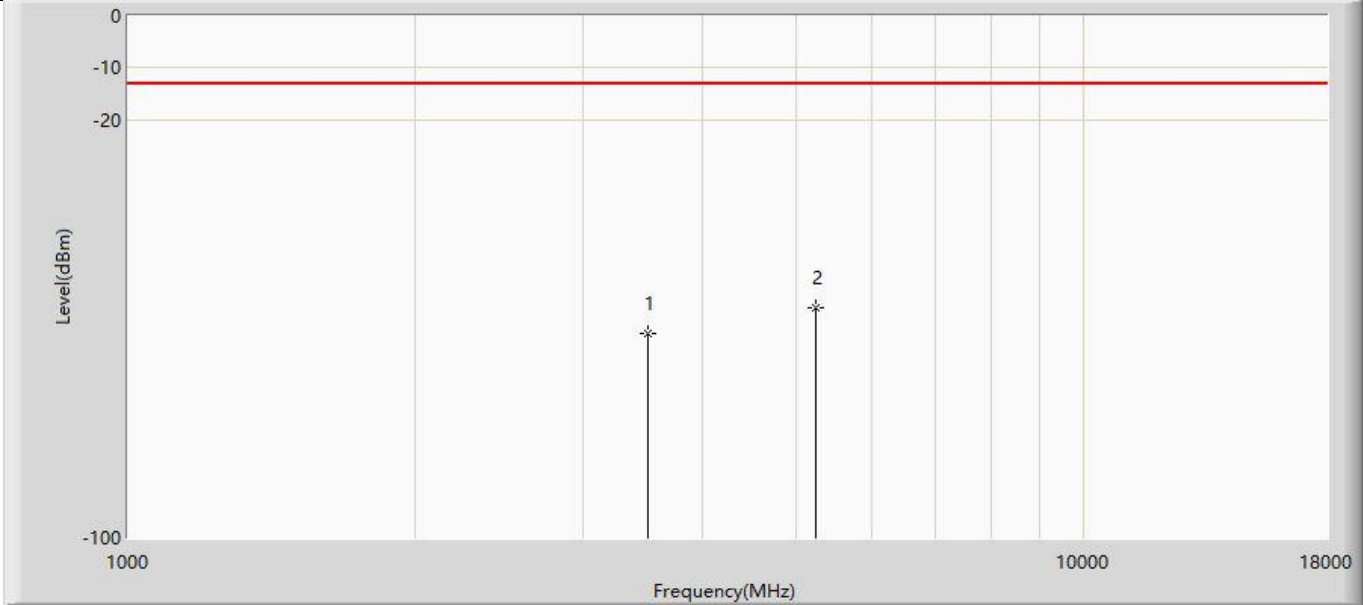
Profile: 24A0319R	Page No.: 30
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1712.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3424.800	-61.594	-53.532	-48.594	-13.000	-8.062	PK
2	*	5137.200	-56.469	-55.469	-43.469	-13.000	-1.000	PK



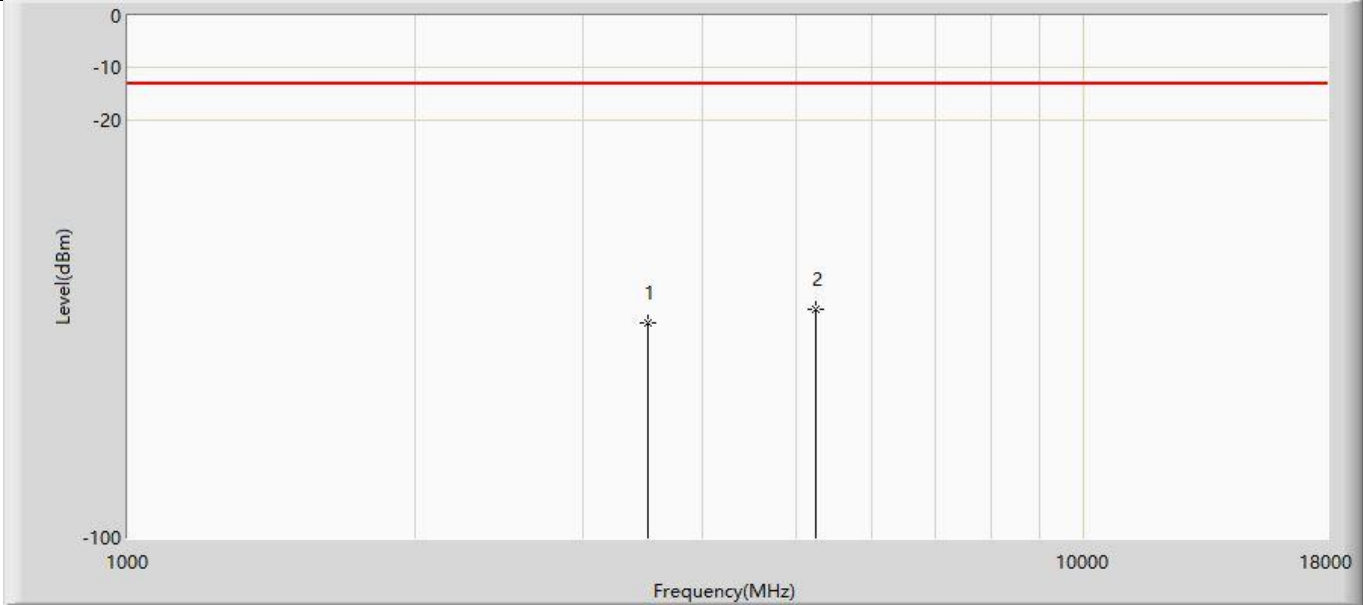
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1752.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3505.200	-60.768	-53.538	-47.768	-13.000	-7.230	PK
2	*	5257.800	-56.006	-55.163	-43.006	-13.000	-0.843	PK



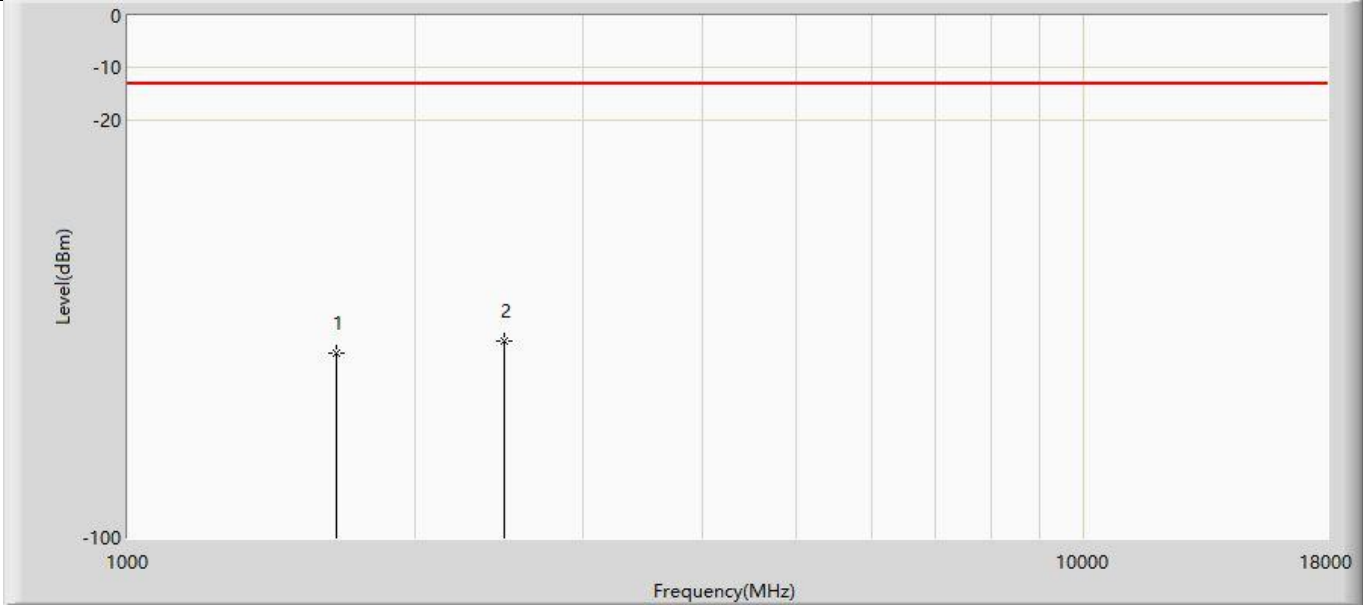
Profile: 24A0319R	Page No.: 32
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1752.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		3505.200	-58.853	-51.704	-45.853	-13.000	-7.149	PK
2	*	5257.800	-56.134	-55.232	-43.134	-13.000	-0.902	PK



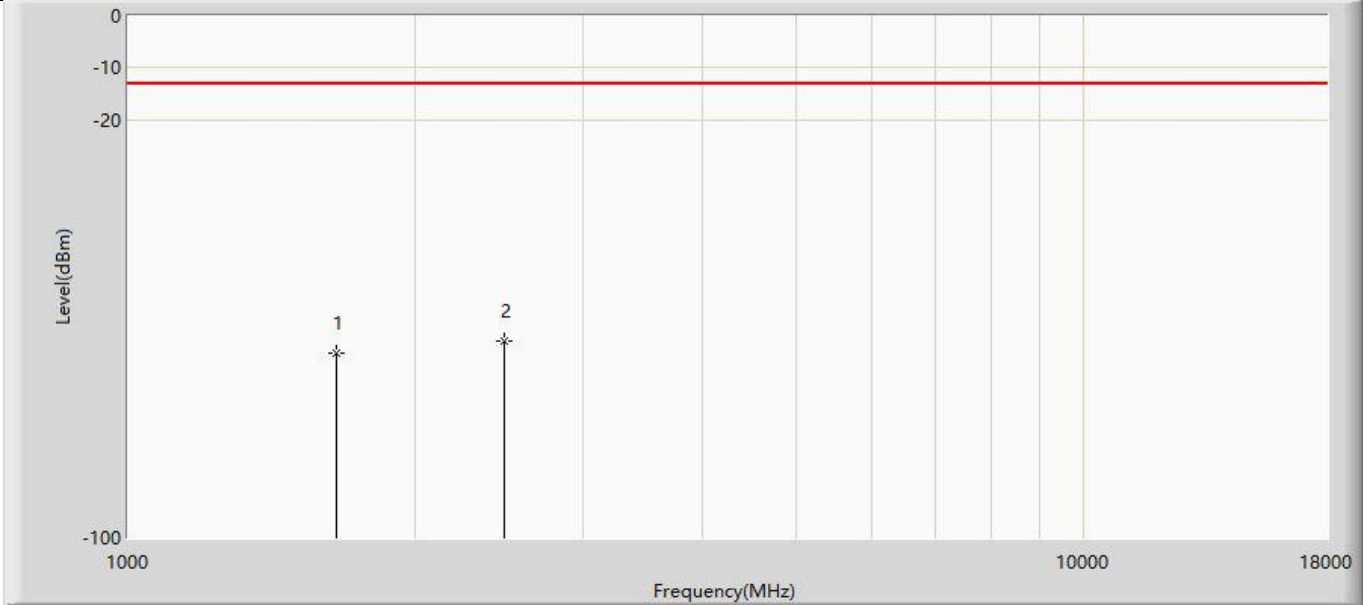
Profile: 24A0319R	Page No.: 33
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 826.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1652.800	-64.717	-52.449	-51.717	-13.000	-12.268	PK
2	*	2479.200	-62.416	-52.612	-49.416	-13.000	-9.804	PK



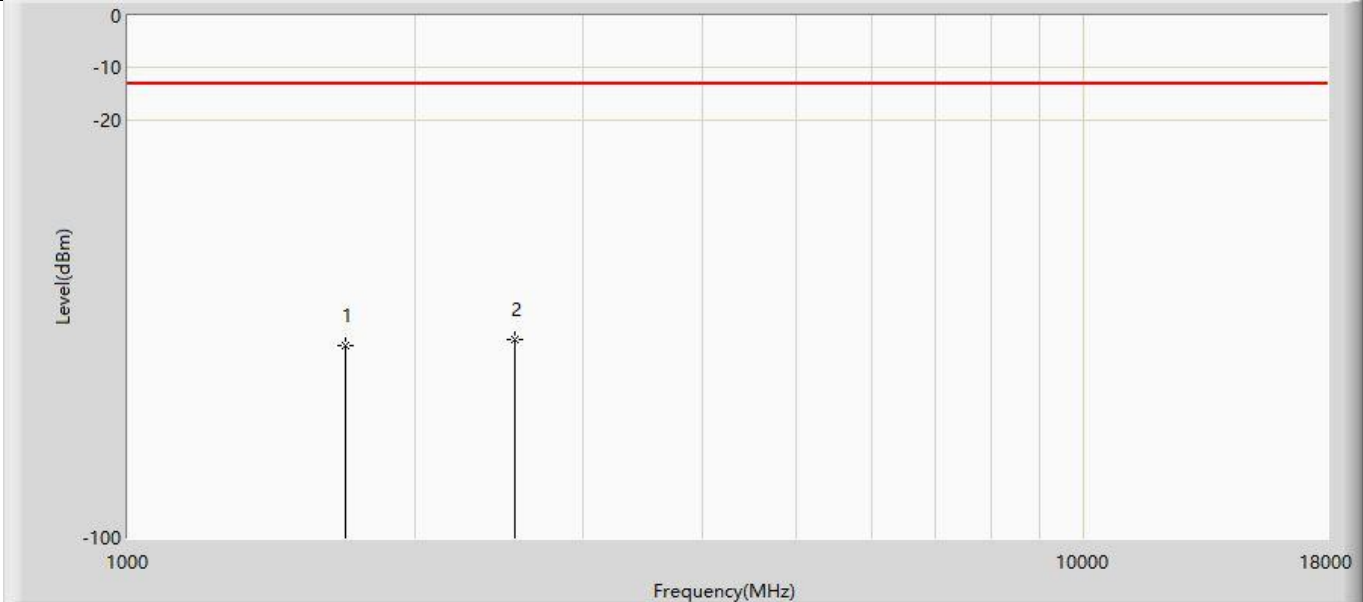
Profile: 24A0319R	Page No.: 34
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 826.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1652.800	-64.560	-52.990	-51.560	-13.000	-11.570	PK
2	*	2479.200	-62.233	-52.613	-49.233	-13.000	-9.620	PK



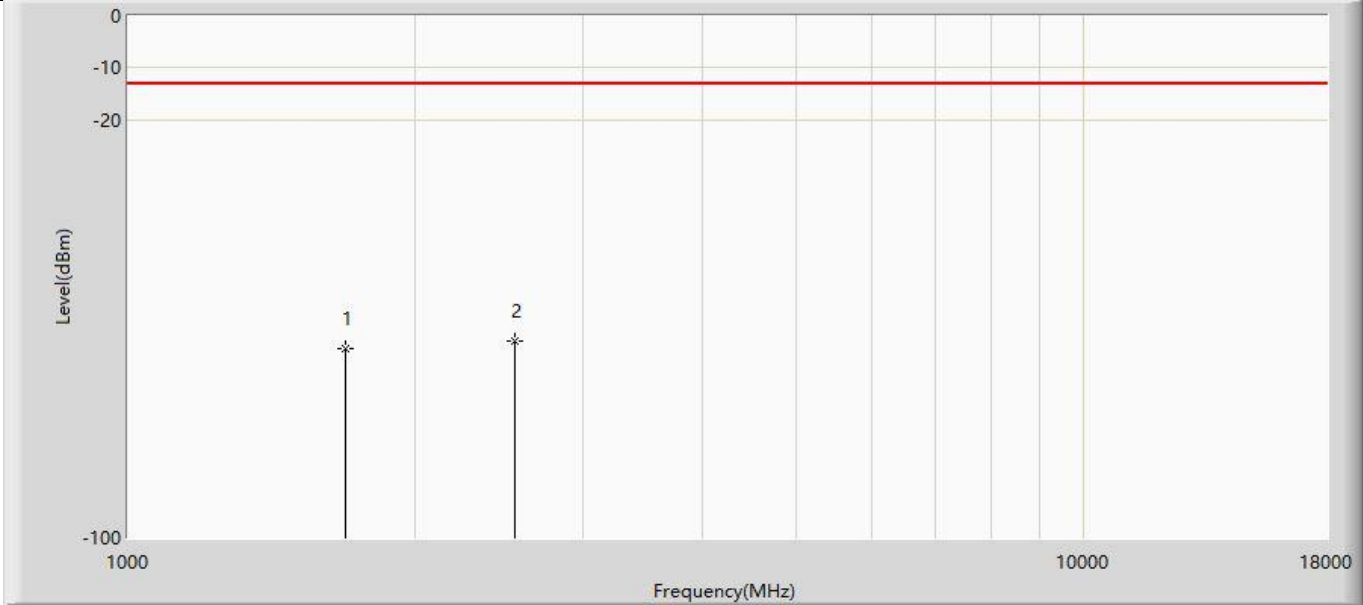
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Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 846.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1693.200	-63.214	-52.293	-50.214	-13.000	-10.921	PK
2	*	2539.800	-61.964	-52.633	-48.964	-13.000	-9.331	PK



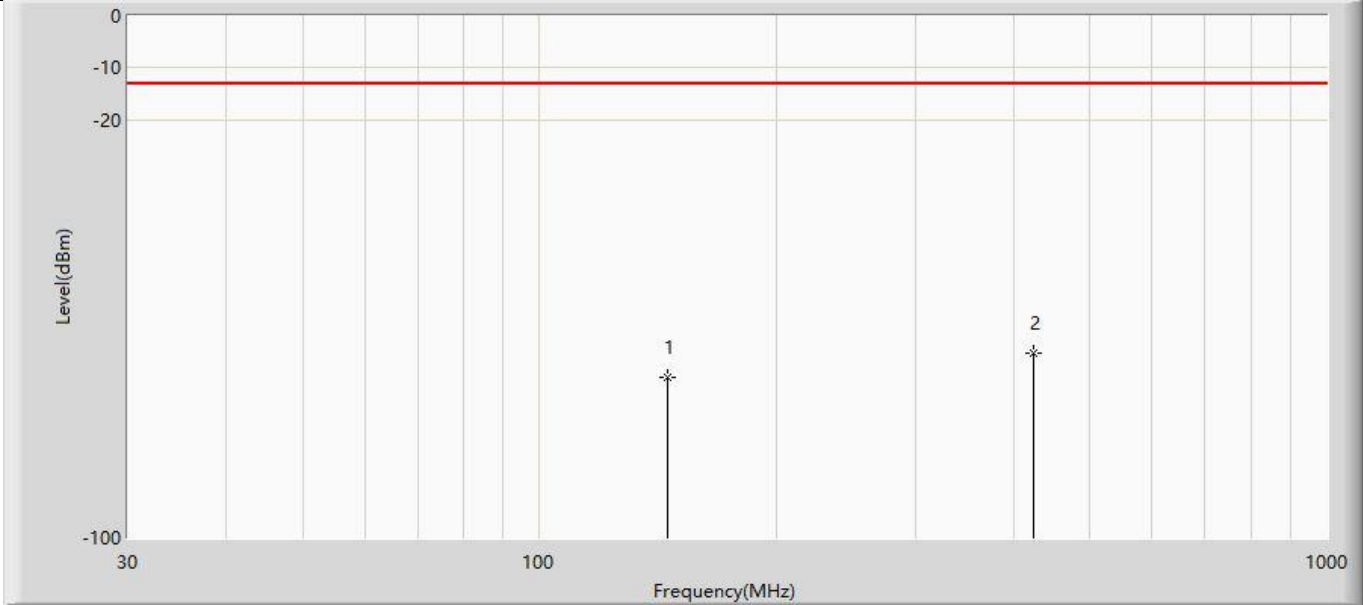
Profile: 24A0319R	Page No.: 36
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 846.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		1693.200	-63.789	-52.808	-50.789	-13.000	-10.981	PK
2	*	2539.800	-62.355	-53.260	-49.355	-13.000	-9.095	PK



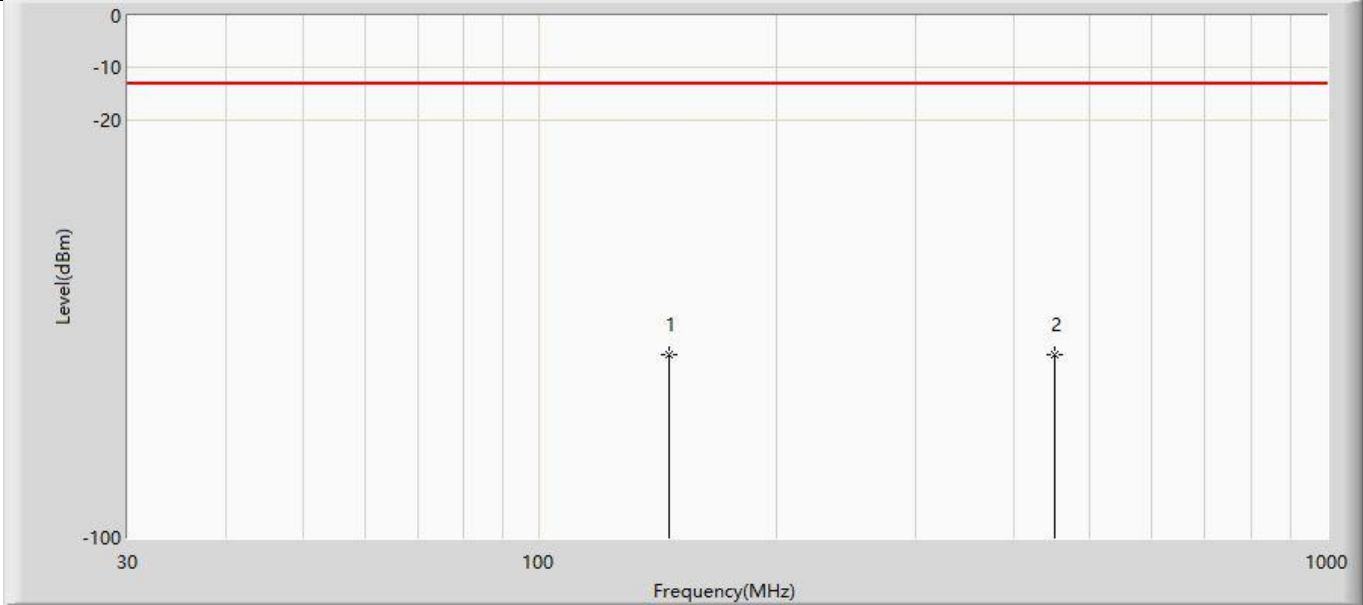
Profile: 24A0319R	Page No.: 37
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		145.430	-69.154	-93.534	-56.154	-13.000	24.380	PK
2	*	423.820	-64.651	-93.311	-51.651	-13.000	28.660	PK



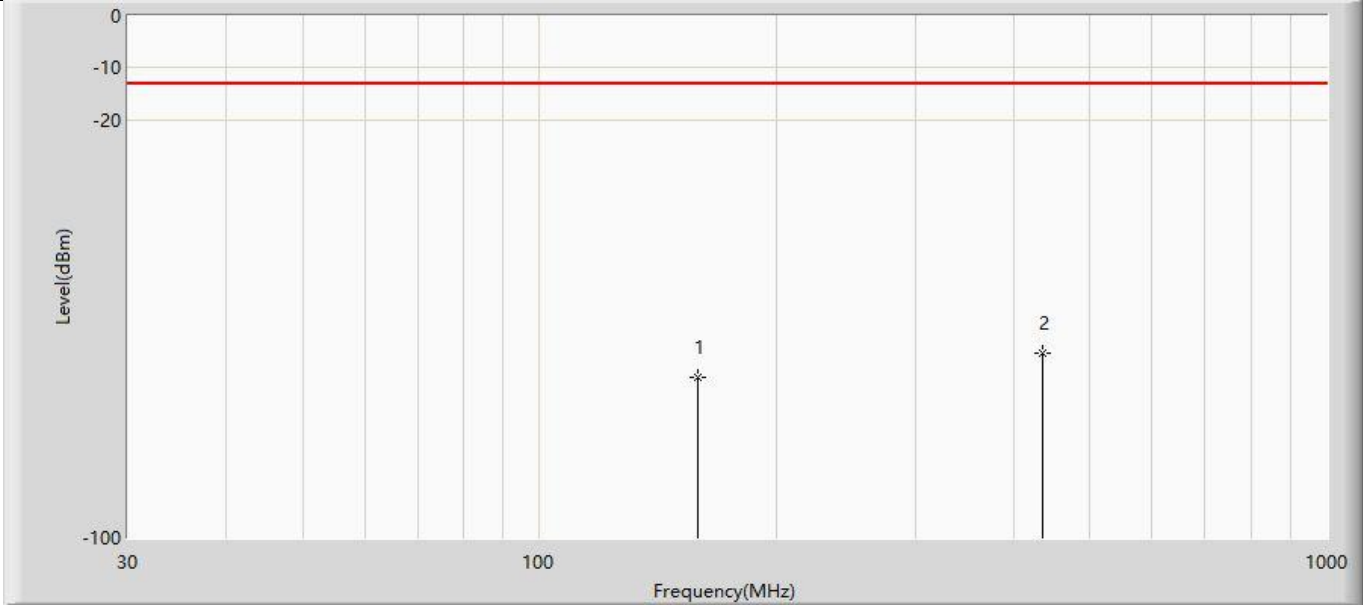
Profile: 24A0319R	Page No.: 38
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		146.400	-64.984	-94.394	-51.984	-13.000	29.410	PK
2	*	451.950	-64.932	-93.682	-51.932	-13.000	28.750	PK



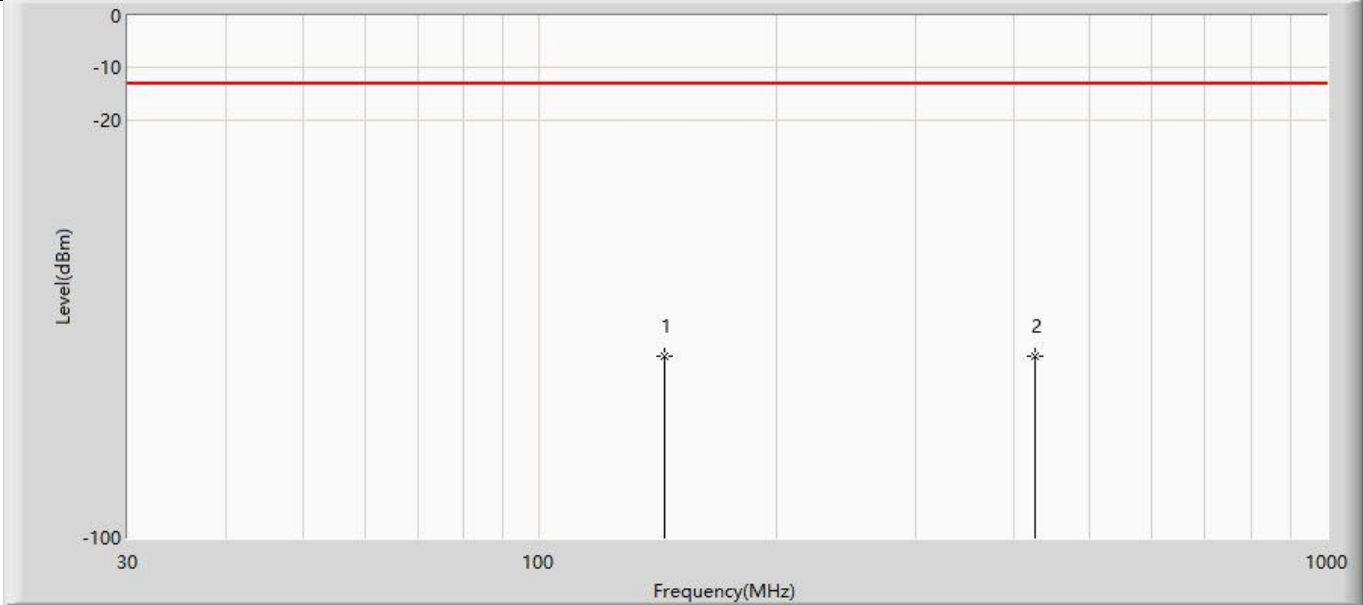
Profile: 24A0319R	Page No.: 39
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:20
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1907.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		159.010	-69.162	-92.952	-56.162	-13.000	23.790	PK
2	*	435.460	-64.668	-93.408	-51.668	-13.000	28.740	PK



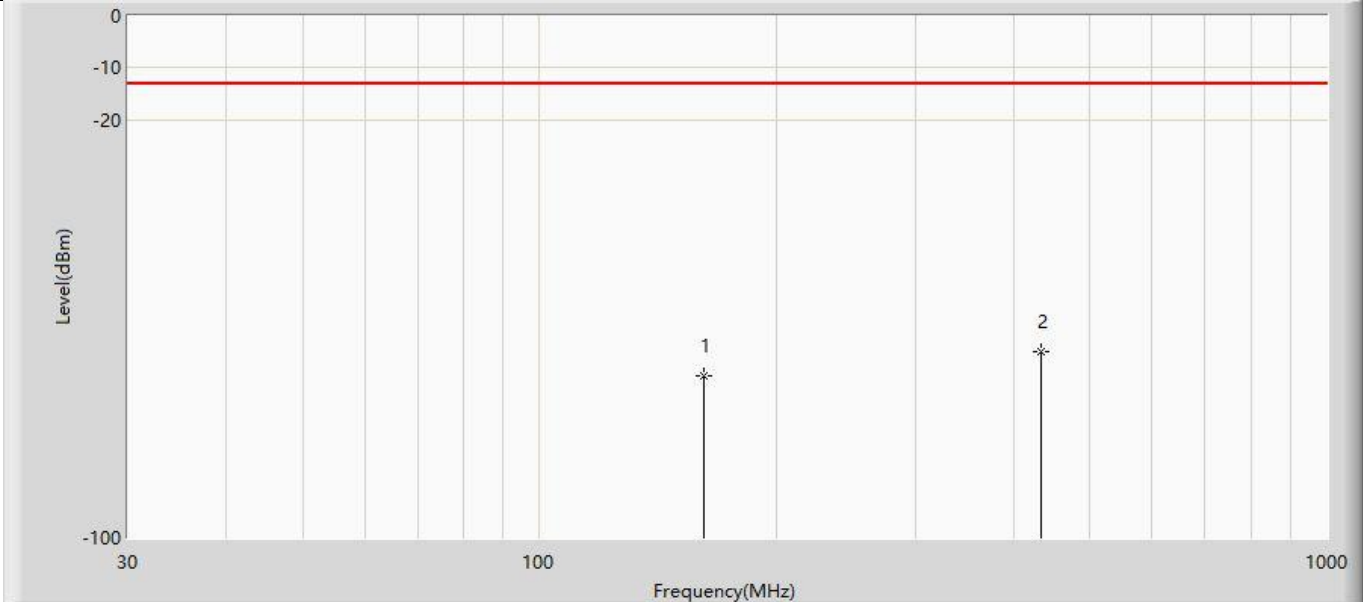
Profile: 24A0319R	Page No.: 40
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1907.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		144.460	-65.325	-94.495	-52.325	-13.000	29.170	PK
2	*	426.730	-65.298	-93.768	-52.298	-13.000	28.470	PK



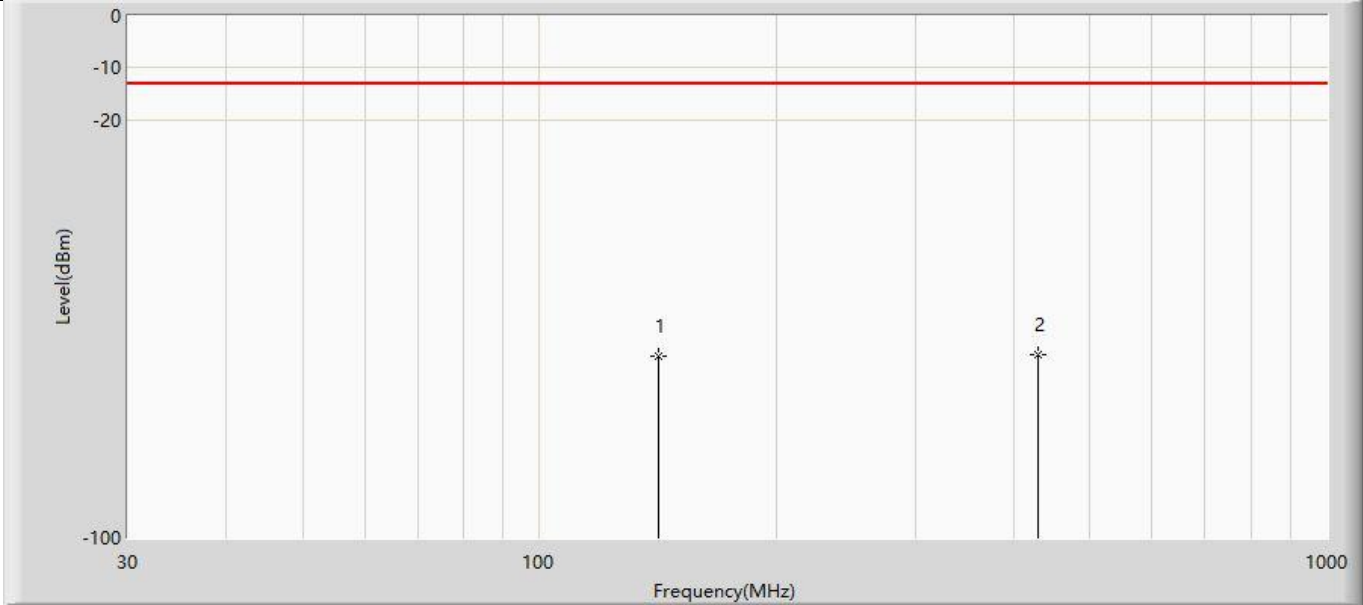
Profile: 24A0319R	Page No.: 41
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1712.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		161.920	-68.946	-92.866	-55.946	-13.000	23.920	PK
2	*	434.490	-64.492	-93.222	-51.492	-13.000	28.730	PK



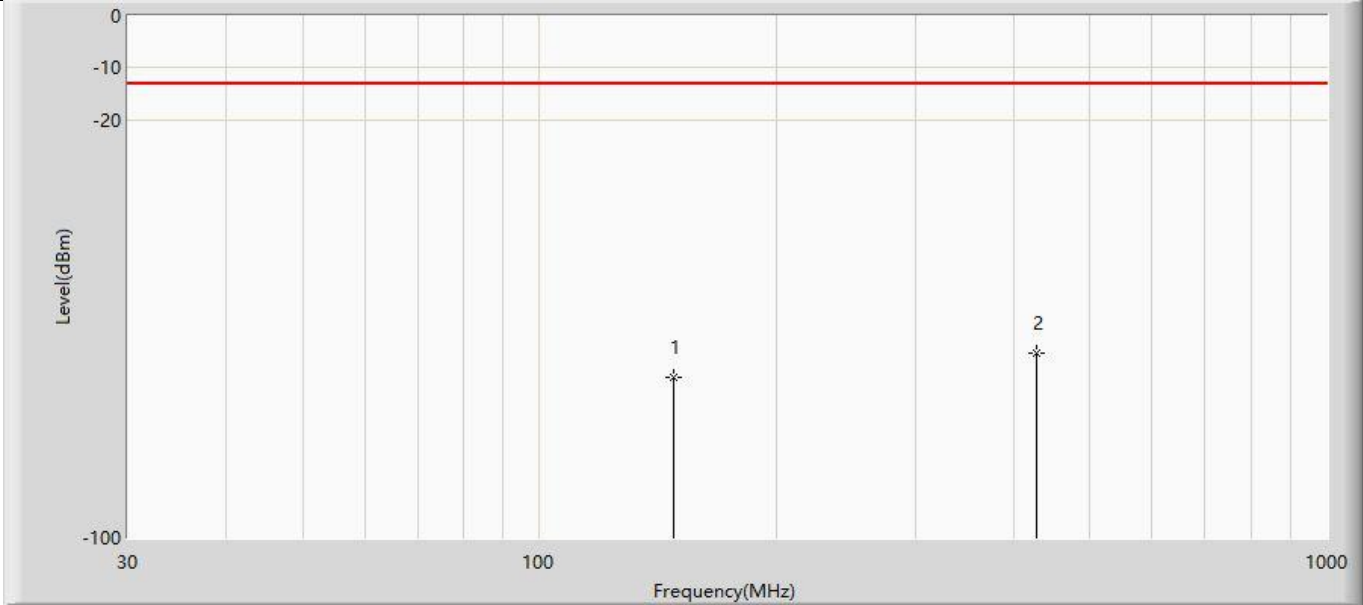
Profile: 24A0319R	Page No.: 42
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1712.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		141.550	-65.351	-94.671	-52.351	-13.000	29.320	PK
2	*	430.610	-64.984	-93.664	-51.984	-13.000	28.680	PK



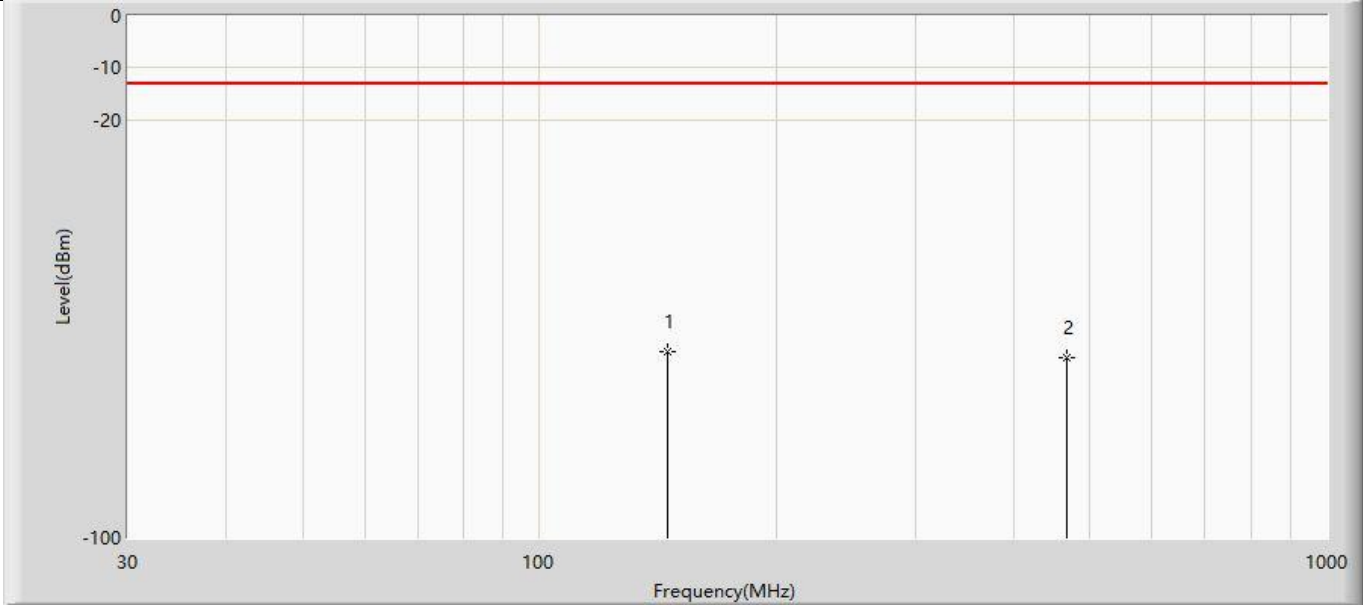
Profile: 24A0319R	Page No.: 43
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1752.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		148.340	-69.370	-93.800	-56.370	-13.000	24.430	PK
2	*	427.700	-64.544	-93.184	-51.544	-13.000	28.640	PK



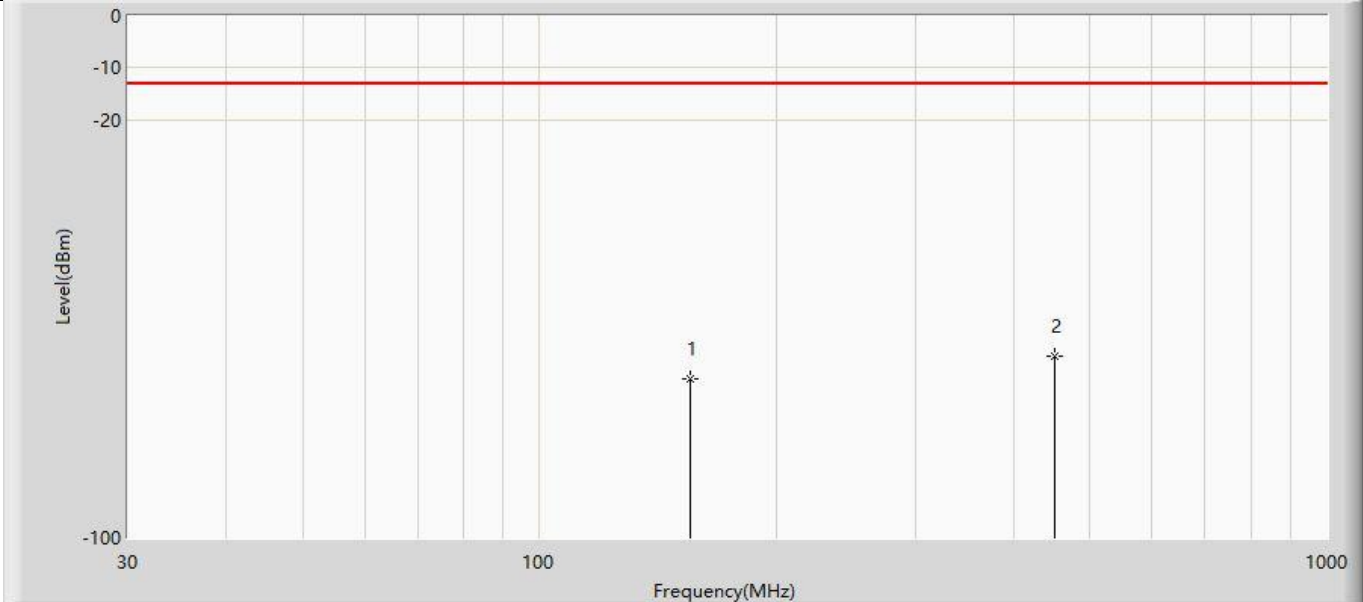
Profile: 24A0319R	Page No.: 44
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 4:WCDMA band4 Traffic 1752.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1	*	145.430	-64.458	-93.778	-51.458	-13.000	29.320	PK
2		467.470	-65.647	-94.467	-52.647	-13.000	28.820	PK



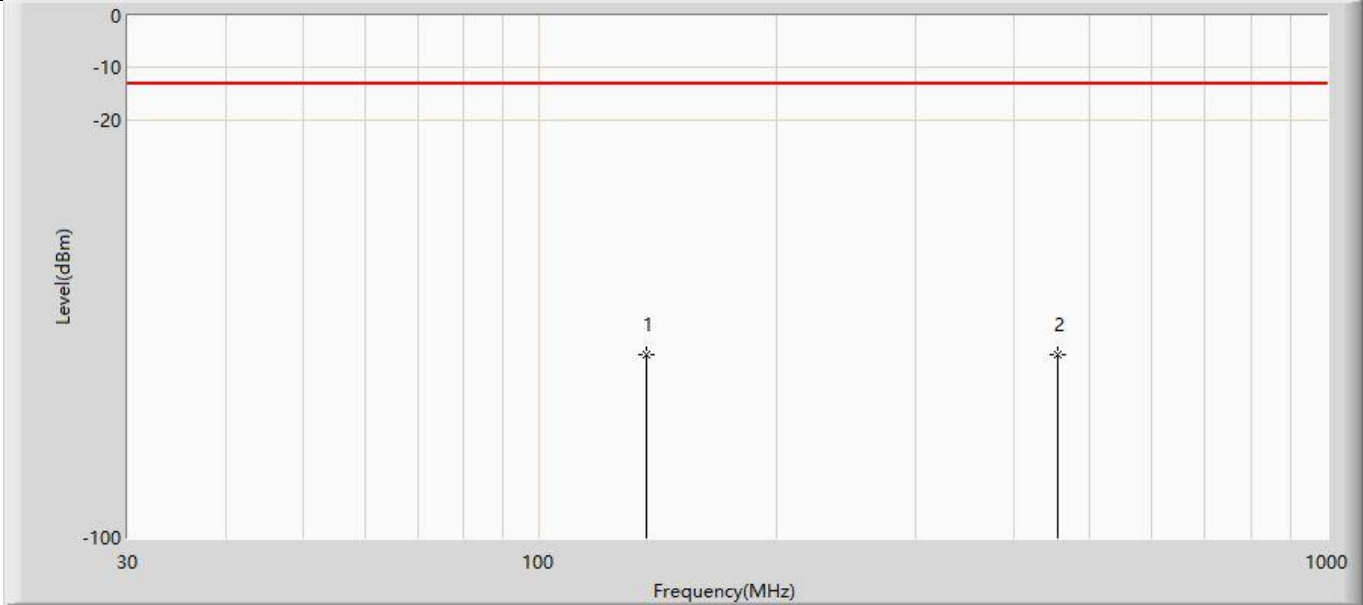
Profile: 24A0319R	Page No.: 45
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 826.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		155.130	-69.657	-93.427	-56.657	-13.000	23.770	PK
2	*	450.980	-65.331	-94.021	-52.331	-13.000	28.690	PK



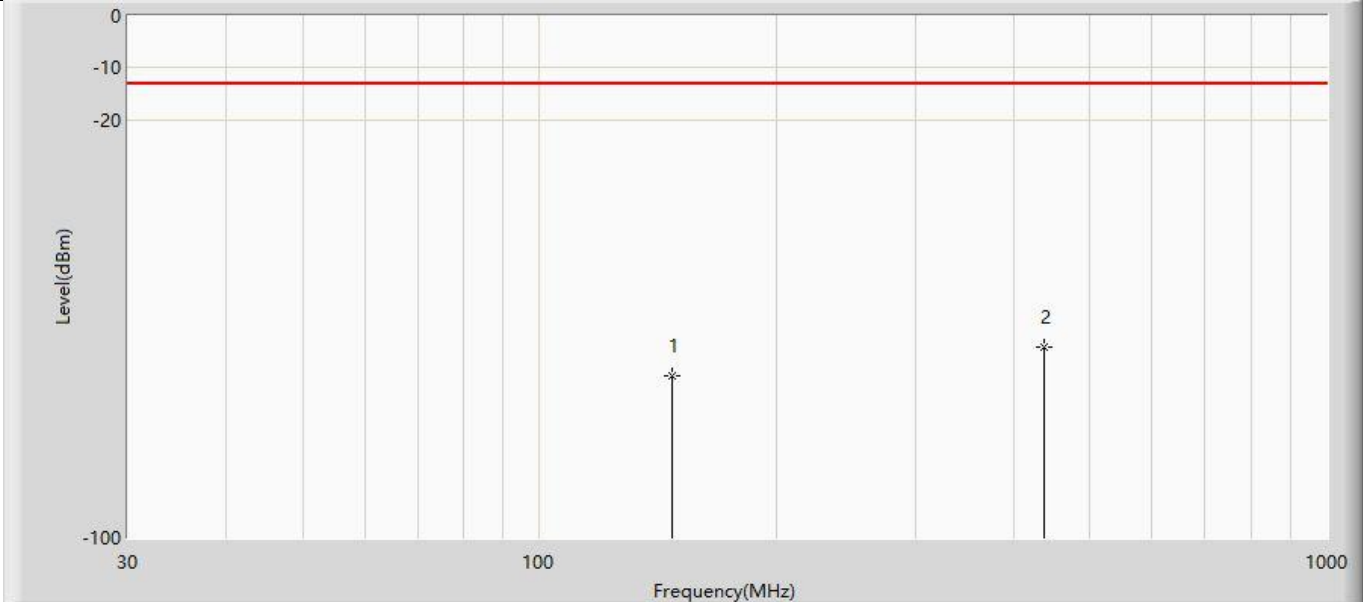
Profile: 24A0319R	Page No.: 46
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 826.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		136.700	-64.932	-94.312	-51.932	-13.000	29.380	PK
2	*	454.860	-64.855	-93.575	-51.855	-13.000	28.720	PK



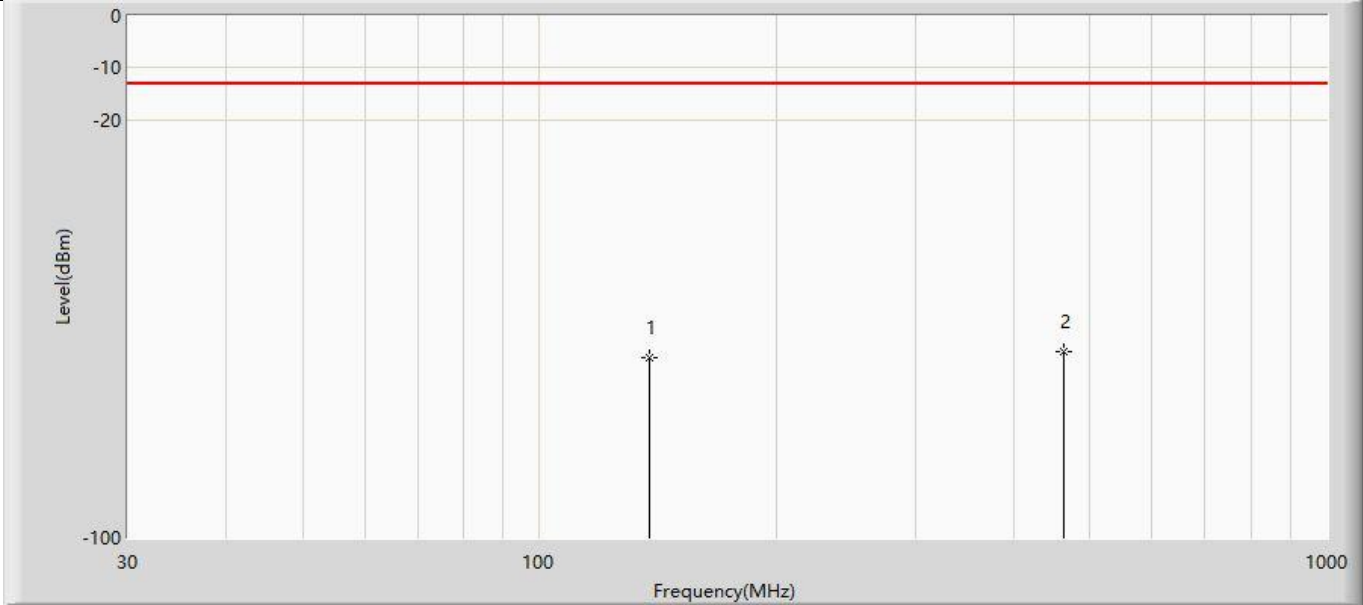
Profile: 24A0319R	Page No.: 47
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 846.6MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		147.370	-69.017	-93.537	-56.017	-13.000	24.520	PK
2	*	438.370	-63.466	-92.246	-50.466	-13.000	28.780	PK



Profile: 24A0319R	Page No.: 48
Engineer: Yuliu	
Site: AC5	Time: 2024/10/22 - 10:21
Limit: FCC Part 22&24&27	Margin: 0
Probe: CE_30-1G	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band5 Traffic 846.6MHz	

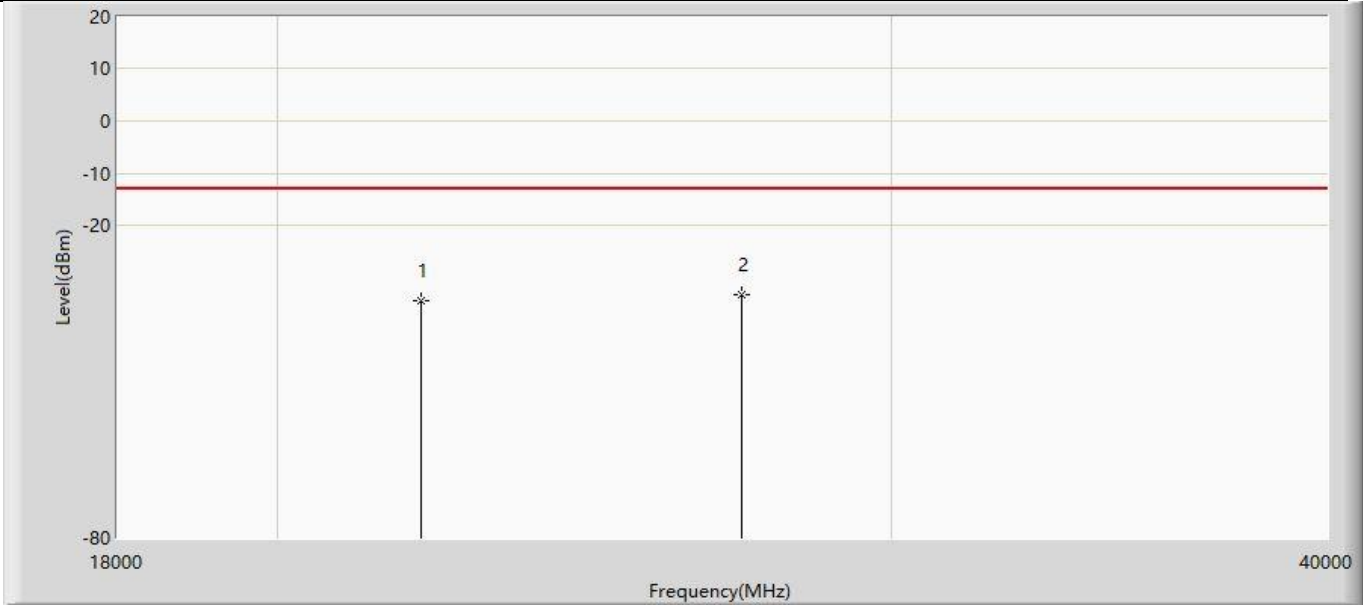


No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		137.670	-65.588	-95.028	-52.588	-13.000	29.440	PK
2	*	463.590	-64.433	-93.283	-51.433	-13.000	28.850	PK



The worst case of Radiated Emission above 18GHz :

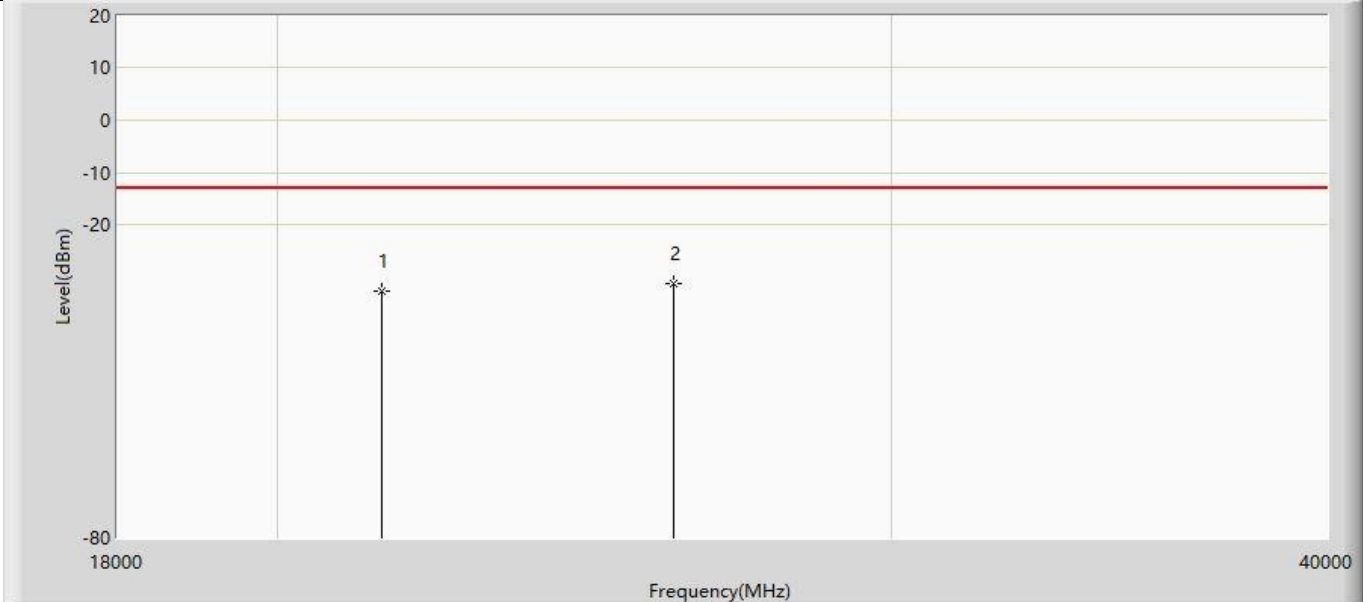
Profile: 24A0319R	Page No.: 71
Engineer: Yuliu	
Site: AC5	Time: 2024/10/27 - 23:55
Limit: FCC Part 22&24&27_(18G-40G)	Margin: 0
Probe: FCC_1-18G_AMP	Polarity: Horizontal
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		22004.000	-34.634	-48.604	-21.634	-13.000	13.970	PK
2	*	27196.000	-33.329	-47.299	-20.329	-13.000	13.970	PK



Profile: 24A0319R	Page No.: 72
Engineer: Yuliu	
Site: AC5	Time: 2024/10/27 - 23:55
Limit: FCC Part 22&24&27_(18G-40G)	Margin: 0
Probe: FCC_1-18G_AMP	Polarity: Vertical
EUT: POS Terminal	Power: Battery Powered
Note: Mode 5:WCDMA band2 Traffic 1852.4MHz	



No	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		21432.000	-32.856	-48.856	-19.856	-13.000	16.000	PK
2	*	25986.000	-31.335	-47.335	-18.335	-13.000	16.000	PK

- Notes:
- 1. " * ", means this data is the worst emission level.
 - 2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
 - 3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
 - 4. If the test result on peak is lower than average limit, then average measurement needn't be performed.

_____ The End _____