

FCC TEST REPORT

For

Shenzhen Zhengguang Imaging Equipment Co., Ltd.

Wireless Microphone

Test Model: Pixel Voical air

Additional Model No.: Please Refer to Page 6

Prepared for	:	Shenzhen Zhengguang Imaging Equipment Co., Ltd.
Address	:	4th Floor, 1st Building, Xiazao Industrial Park, Longhua District, Shenzhen, China
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample	:	May 26, 2020
Number of tested samples	:	1
Sample No	:	200522068A
Serial number	:	Prototype
Date of Test	:	May 26, 2020 ~ May 30, 2020
Date of Report	:	June 02, 2020

FCC TEST REPORT FCC CFR 47 PART 74

Report Reference No. : LCS200522068AEA

Date of Issue : June 02, 2020

Testing Laboratory Name..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

 Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Shajing Street,
Baoan District, Shenzhen, China

 Testing Location/ Procedure : Full application of Harmonised standards ■
 Partial application of Harmonised standards □
 Other standard testing method □

Applicant's Name : Shenzhen Zhengguang Imaging Equipment Co., Ltd.

 Address : 4th Floor, 1st Building, Xiazao Industrial Park, Longhua District,
Shenzhen, China

Test Specification

Standard : FCC CFR 47 PART 74

Test Report Form No. : LCSEMC-1.0

TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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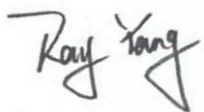
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EUT Description. : Wireless Microphone

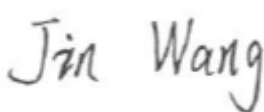
 Trade Mark : ZGCINE , SOKANI , PIXEL , XFAN , FOTOWELT ,
FLASHOOT , ALTSON

Test Model..... : Pixel Voical air

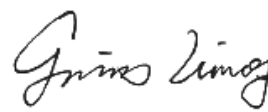
Ratings : DC 3.7V by Rechargeable Li-ion Battery, 140mAh

 Result : **Positive**
Compiled by:


Ray Yang/ File administrators

Supervised by:


Jin Wang/ Technique principal

Approved by:


Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCS200522068AEA	June 02, 2020 Date of issue
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Test Model.....	: Pixel Voical air
EUT.....	: Wireless Microphone
Applicant.....	: Shenzhen Zhengguang Imaging Equipment Co., Ltd.
Address.....	: 4th Floor, 1st Building, Xiazao Industrial Park, Longhua District, Shenzhen, China
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Shenzhen Zhengguang Imaging Equipment Co., Ltd.
Address.....	: 4th Floor, 1st Building, Xiazao Industrial Park, Longhua District, Shenzhen, China
Telephone.....	: /
Fax.....	: /
Factory.....	: /
Address.....	: /
Telephone.....	: /
Fax.....	: /

Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By
000	June 02, 2020	Initial Issue	Gavin Liang

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	: Wireless Microphone
Model Number	: SOKANI Tiny twin, ZGCINE Z1, XFAN TINY, Flashoot F1, Fotowelt Air, ALTSON AWM-TR
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested.
Test Model	: Pixel Voical air
Hardware Version	: V1.7
Software Version	: V1.1
Power Supply	: DC 3.7V by Rechargeable Li-ion Battery, 140mAh
Operation Frequency	: 570.15MHz~605.15MHz
Modulation Type	: GFSK
Channel Number	: 36 Channels
Channel Spacing	: 1MHz
Antenna Type	: PCB Antenna
Antenna Gain	: 0dBi
Extreme temp. Tolerance	: -30°C to +50°C

1.2. Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	Certificate
Lenovo	ADAPTER for Notebook	ADLX65YCC3A	--	FCC SDOC
Lenovo	Notebook	TP00094A	--	FCC SDOC

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
USB Port	1	N/A

1.4. Description of Test Facility

FCC Registration Number. is 254912.
 Industry Canada Registration Number. is 9642A.
 ESMD Registration Number. is ARCB0108.
 UL Registration Number. is 100571-492.
 TUV SUD Registration Number. is SCN1081.
 TUV RH Registration Number. is UA 50296516-001
 NVLAP Registration Code is 600167-0
 The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)

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

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

The following operating modes were applied for the related test items. All test modes were tested, only the result of the worst case was recorded in the report.

Modulation Type	Test Channel	Test Frequency (MHz)
GFSK	01	570.15
	18	587.15
	36	605.15

1.8. Frequency of Channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	570.15	19	588.15
02	571.15	20	589.15
03	572.15	21	590.15
04	573.15	22	591.15
05	574.15	23	592.15
06	575.15	24	593.15
07	576.15	25	594.15
08	577.15	26	595.15
09	578.15	27	596.15
10	579.15	28	597.15
11	580.15	29	598.15
12	581.15	30	599.15
13	582.15	31	600.15
14	583.15	32	601.15
15	584.15	33	602.15
16	585.15	34	603.15
17	586.15	35	604.15
18	587.15	36	605.15

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.26-2015:American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section FCC Rules Part 74.

2.3. General Test Procedures

2.3.1 Power Line Conducted Emissions(N/A)

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.4-2014 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

Please refer to radiated spurious emission.

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and transmission frequency by switch button control.

3.3. Special Accessories

N/A

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 74		
FCC Rules	Description of Test	Result
FCC Part 74.861(e)(1)(ii) FCC Part 2.1046	Maximum Conducted Output Power	Compliant
FCC Part 74.861 (e)(5) FCC Part 2.1049	Occupied Bandwidth	Compliant
FCC Part 74.861 (e)(4) FCC Part 2.1055	Frequency error	Compliant
FCC Part 74.861(e)(6) 2.1053	Transmitter unwanted emissions(radiated or conducted)	Compliant
FCC Part 2.1047	Modulation characteristic	N/A
FCC Part 74.861 (e)(7) FCC Part 2.1049	Necessary bandwidth (BN)	Compliant

5. TEST RESULT

5.1. Transmitter output power

5.1.1. Description:

The power may not exceed the following values.

- (i) 54-72, 76-88, and 174-216 MHz bands: 50 mW EIRP
- (ii) 470-608 and 614-698: 250 mW conducted power
- (iii) 600 MHz duplex gap: 20 mW EIRP

5.1.2. Measurement:

Measurement parameter	
Detector:	Peak (worst case) / Average (RMS)
Sweep time:	Auto / 20s
Resolution bandwidth:	> emission bandwidth
Video bandwidth:	> resolution bandwidth
Span:	> 2 times emissions bandwidth
Trace mode:	Max. hold
EUT configuration:	Peak: Unmodulated carrier RMS: Modulate the transmitter with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of ± 75 kHz, or to produce 50% of the manufacturer's rated deviation, whichever is less.

5.1.3. Limits:

FCC
470 MHz to 608 MHz 250 mW (average) / 24 dBm (average)

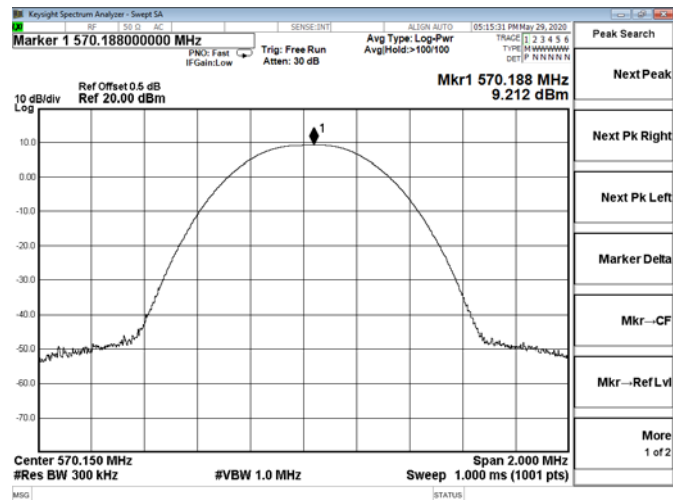
5.1.4. Test result:

The EUT was programmed to be in continuously transmitting mode.

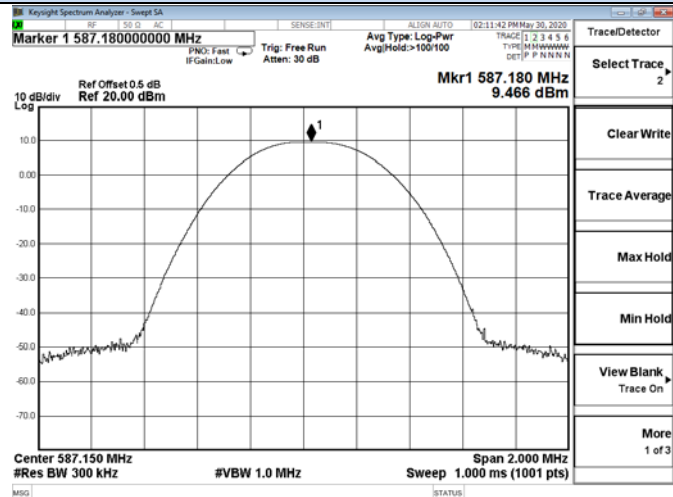
5.1.5. Test result

Test Mode	Channel	Frequency (MHz)	Measured Maximum Peak Power(dBm)	Measured Maximum Average Power(dBm)	Limits Average (dBm)	Verdict
GFSK	01	570.15	9.212	/	24	PASS
	18	587.15	9.466	/		
	36	605.15	8.219	/		

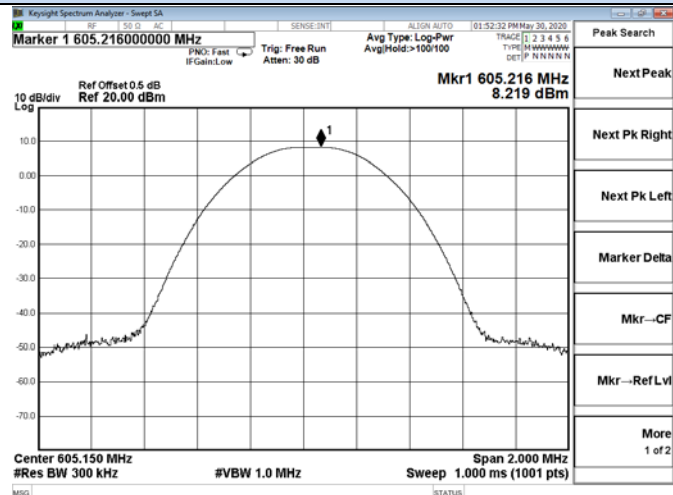
Maximum Peak Output Power



Channel 01 / 570.15 MHz



Channel 18 / 587.15MHz



Channel 36 / 605.15MHz

5.2. Occupied bandwidth and Emission Mask

5.2.1. Description:

The operating bandwidth shall not exceed 200 kHz.

The mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

- (i) On any frequency removed from the operating frequency by more than 50 percent up to and including 100 percent of the authorized bandwidth: at least 25 dB;
- (ii) On any frequency removed from the operating frequency by more than 100 percent up to and including 250 percent of the authorized bandwidth: at least 35 dB;
- (iii) On any frequency removed from the operating frequency by more than 250 percent of the authorized bandwidth: at least $43 + 10\log_{10}$ (mean output power in watts) dB.

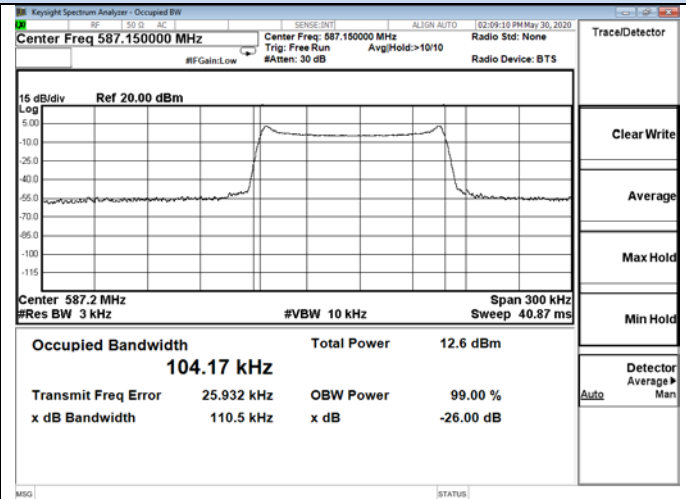
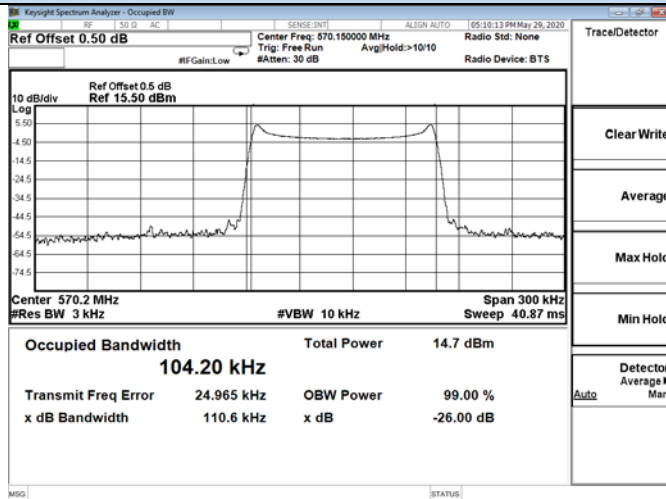
5.2.2. Measurement:

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	1 % to 5 % of the occupied bandwidth
Video bandwidth:	3 x resolution bandwidth
Span:	2 x emission bandwidth
Trace mode:	Max. hold
Analyzer function:	99% power occupied bandwidth function
EUT:	Modulated signal with max. frequency deviation

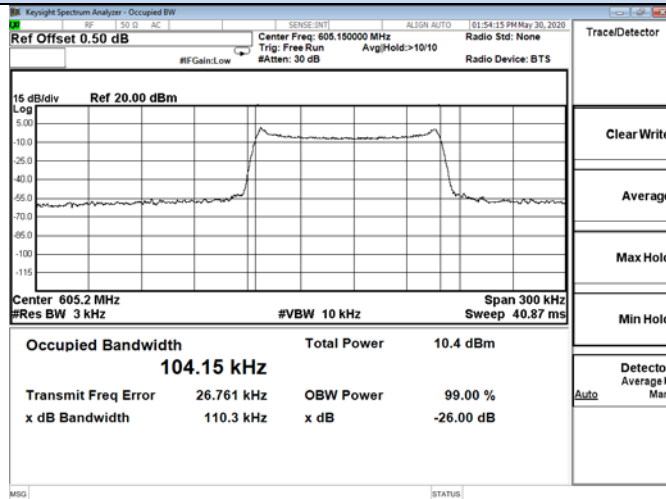
5.2.3. Result:

Test Mode	Channel	Frequency (MHz)	99% Bandwidth (KHz)	Limits (KHz)	Verdict
GFSK	01	570.15	104.20	200	PASS
	18	587.15	104.17		
	36	605.15	104.15		

99% Bandwidth



Channel 01 / 570.15 MHz



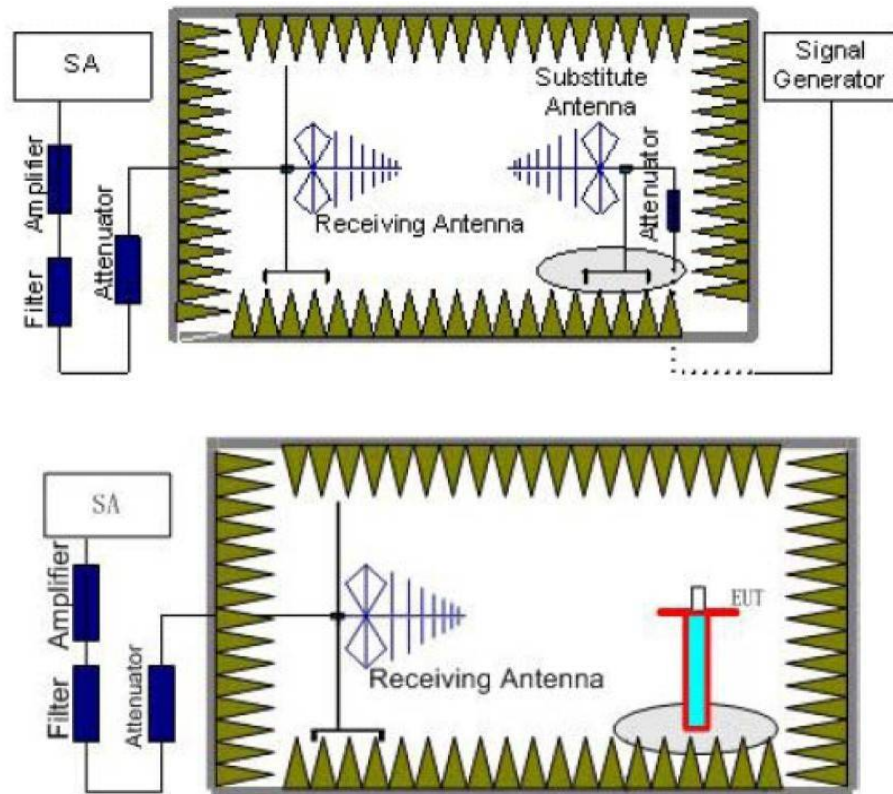
Channel 18 / 587.15 MHz

Channel 36/ 605.15MHz

5.3. Transmitter unwanted emissions(radiated)

5.3.1. Measurement description:

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50 m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The

power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power(EIRP)} = P_{Mea} - P_{Ag} - P_{cl} + G_a$$

6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.
8. In order to make sure test results more clearly, we set frequency range and sweep time for difference frequency range as follows table:

TEST LIMITS

FCC & IC (according to ETSI EN 300 422-1 V2.1.2 (2017-01))			
State	Max. spurious level		
	47 MHz to 74 MHz 87.5 MHz to 118 MHz 174 MHz to 230 MHz	Other frequencies ≤ 1000 MHz	All frequencies > 1000 MHz
Operating	4.0 nW	250 nW	1.00 μW
Standby	2.0 nW	2.0 nW	20.0 nW

FCC & IC	
The mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:	
On any frequency removed from the operating frequency by more than 50 percent up to and including 100 percent of the	25 dB
On any frequency removed from the operating frequency by more than 100 percent up to and including 250 percent of	35 dB
On any frequency removed from the operating frequency by more than 250 percent of the authorized bandwidth: at least	$43 + 10\log_{10}$ (mean output power in watts) dB

$$P = 10 \cdot \log_{10} \left(\frac{P}{P_0} \right) \quad P_0 = 1\text{mW}$$

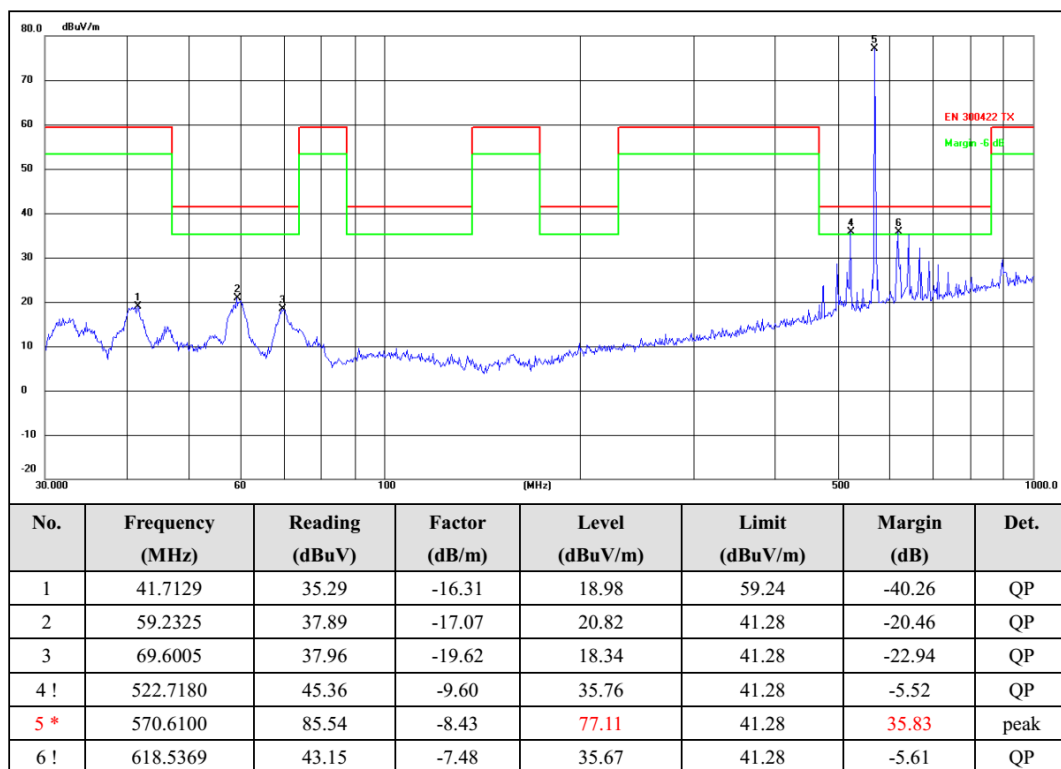
$$U = 20 \cdot \log_{10} \left(\frac{u}{u_0} \right) \quad u_0 = 1\mu\text{V}$$

$$P = \frac{u^2}{Z_c} \quad Z_c = 50$$

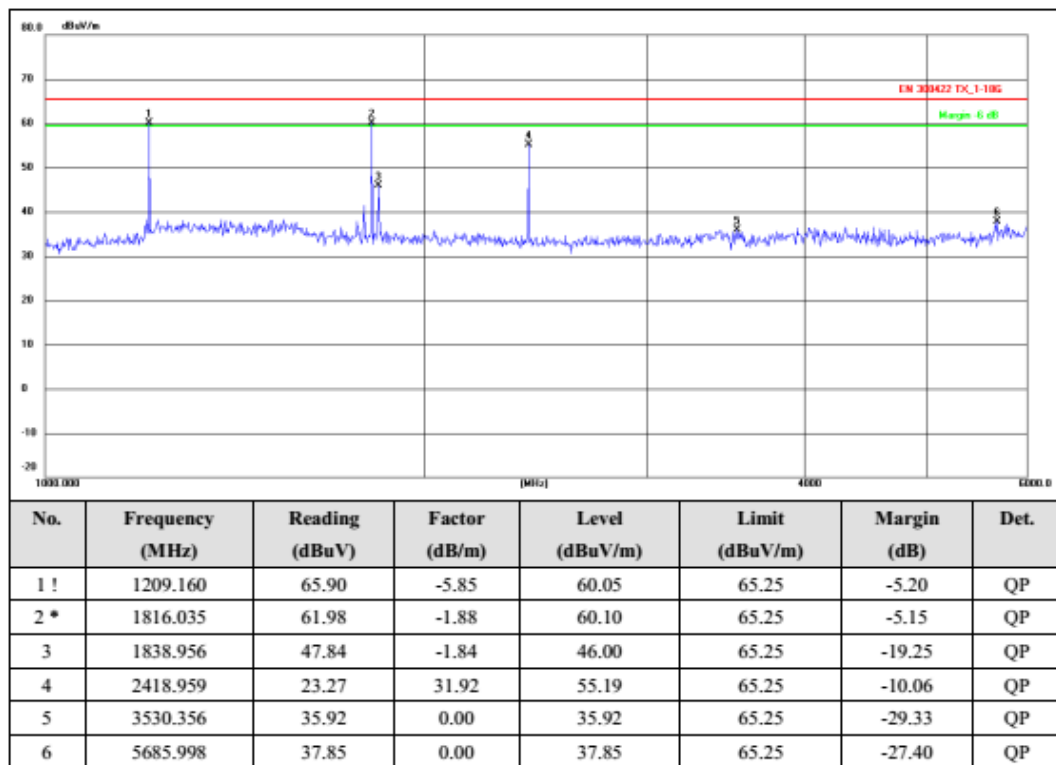
5.3.2. Results for Radiated Emissions

Channel 01 / 570.15MHz

Horizontal

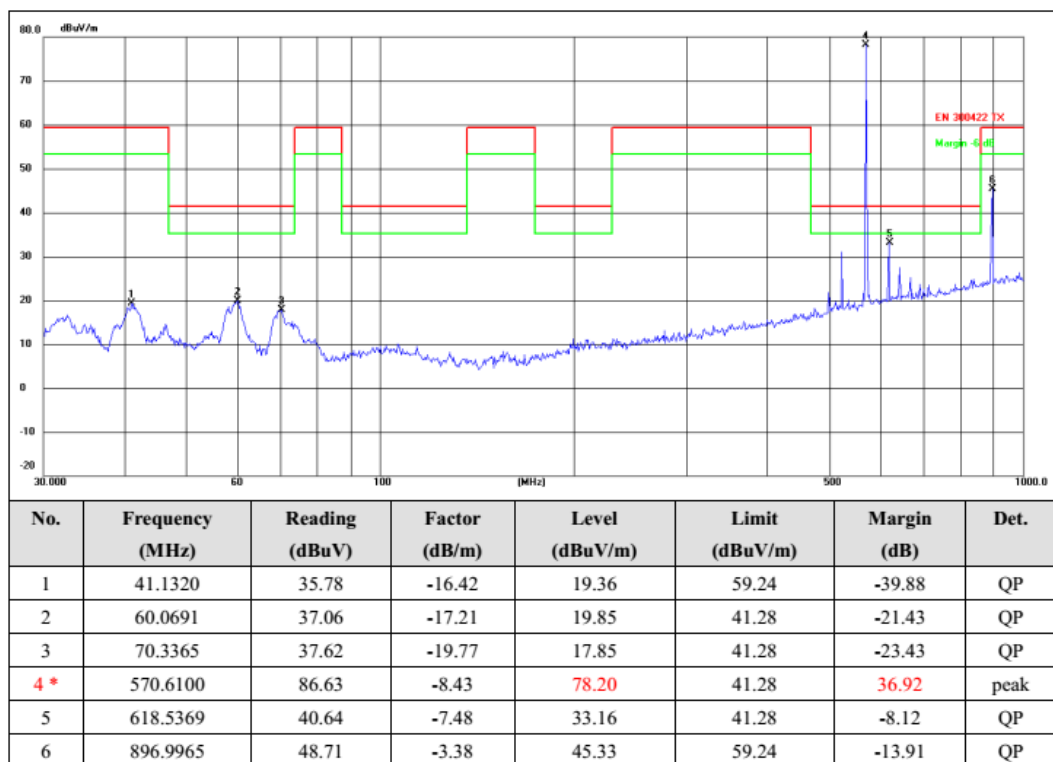


Horizontal

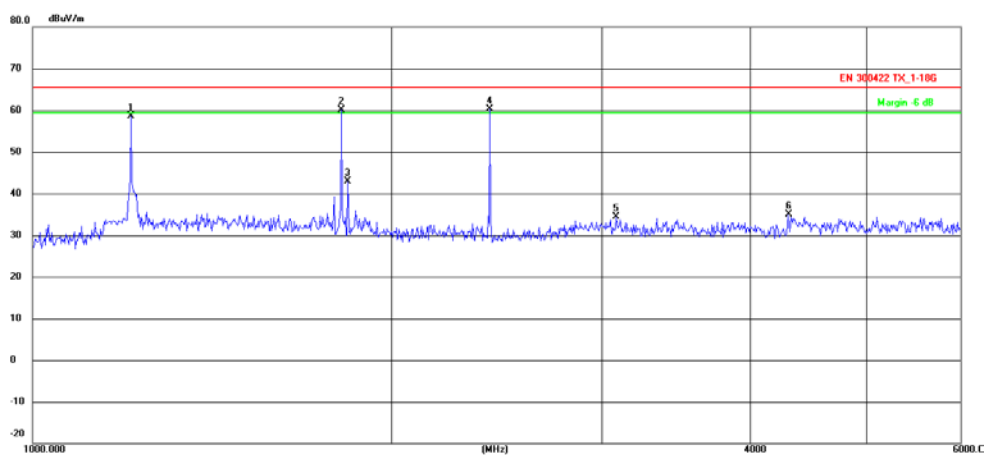


Channel 01 / 570.15MHz

Vertical



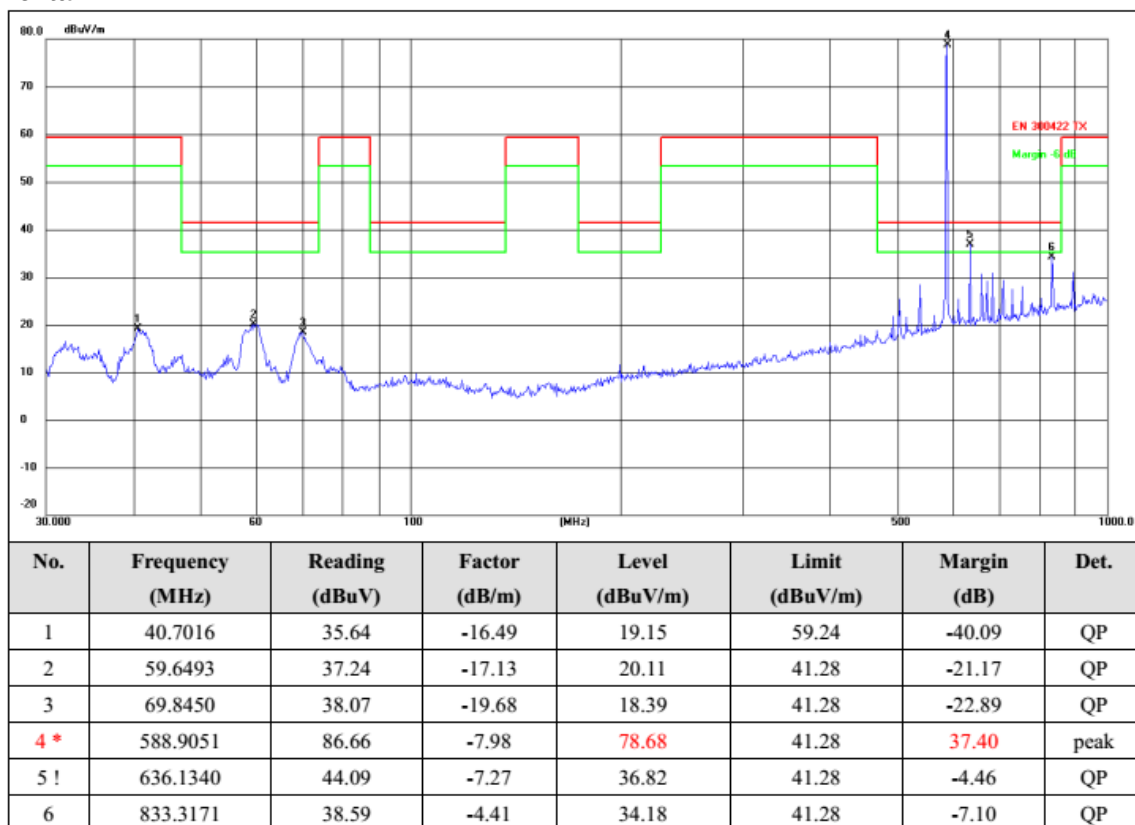
Vertical



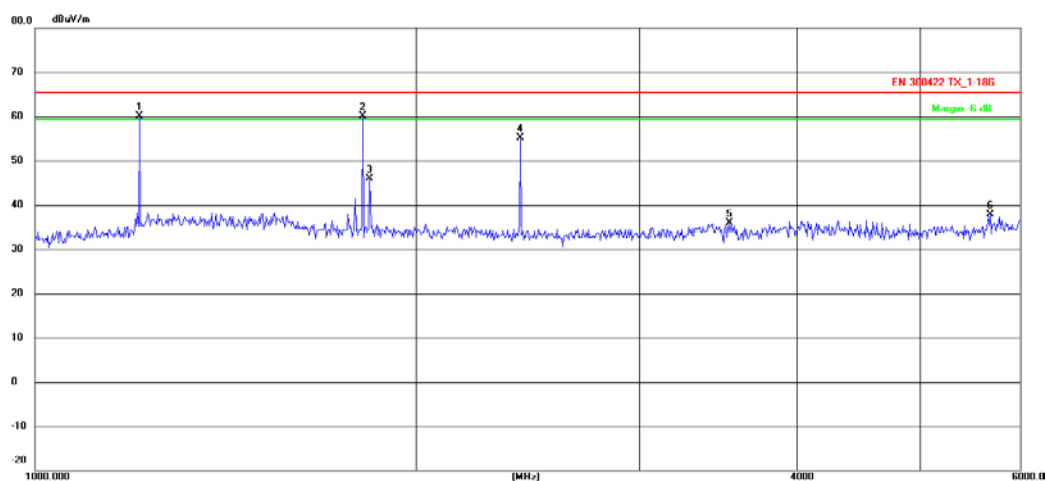
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	1209.160	64.41	-5.85	58.56	65.25	-6.69	QP
2 !	1816.035	61.95	-1.88	60.07	65.25	-5.18	QP
3	1838.956	44.82	-1.84	42.98	65.25	-22.27	QP
4 *	2418.959	28.32	31.92	60.24	65.25	-5.01	QP
5	3086.435	34.39	0.00	34.39	65.25	-30.86	QP
6	4299.472	34.94	0.00	34.94	65.25	-30.31	QP

Channel 18/587.15 MHz

Horizontal



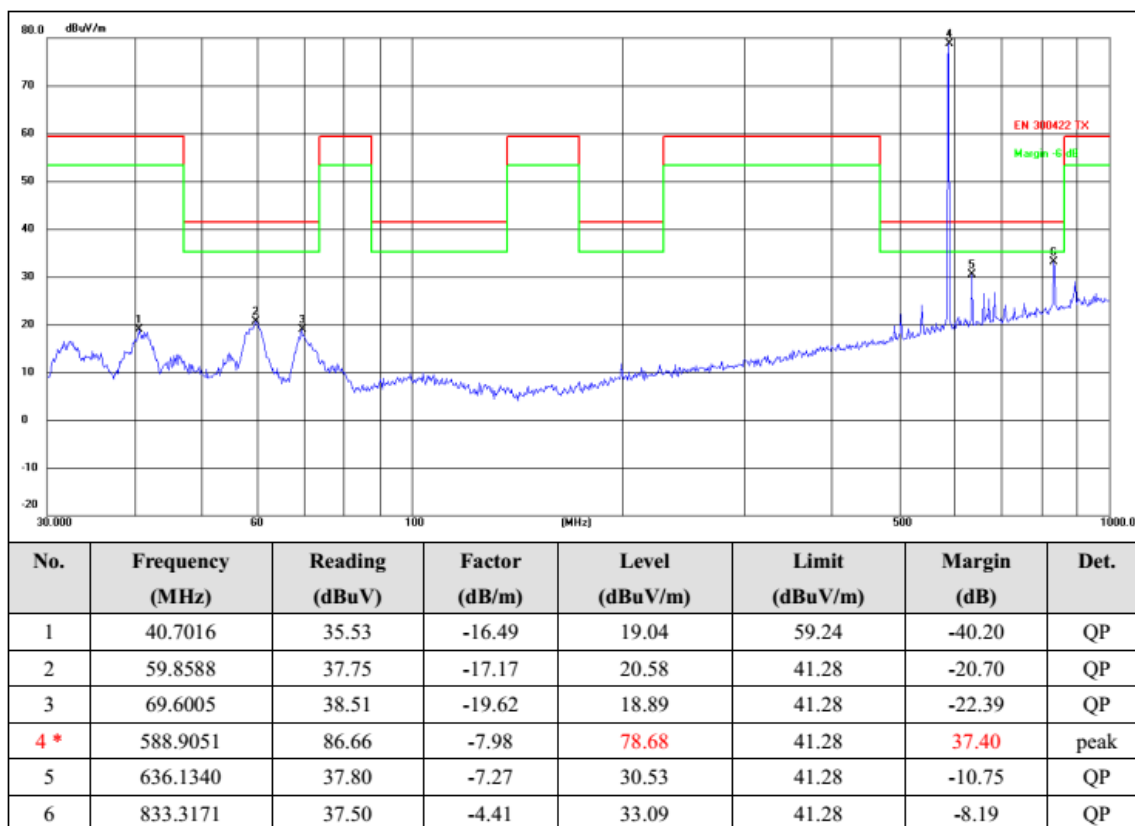
Horizontal



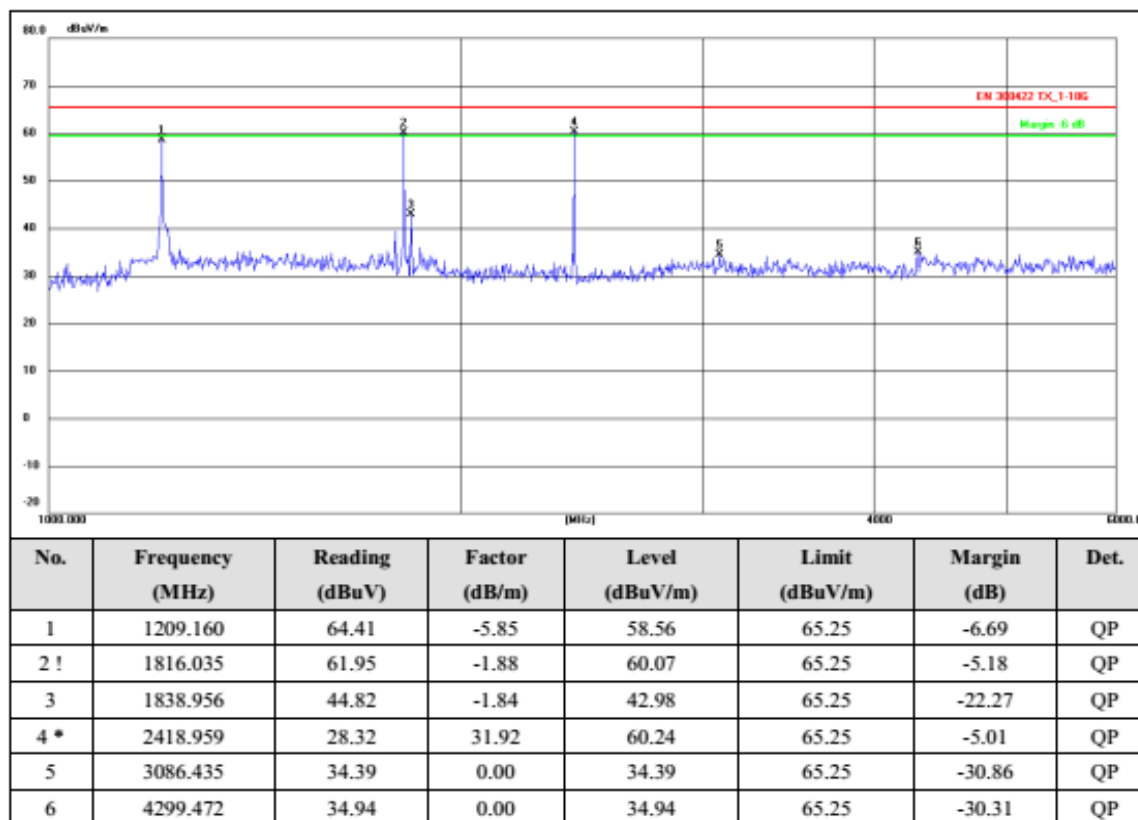
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1 !	1209.160	65.90	-5.85	60.05	65.25	-5.20	QP
2 *	1816.035	61.98	-1.88	60.10	65.25	-5.15	QP
3	1838.956	47.84	-1.84	46.00	65.25	-19.25	QP
4	2418.959	23.27	31.92	55.19	65.25	-10.06	QP
5	3530.356	35.92	0.00	35.92	65.25	-29.33	QP
6	5685.998	37.85	0.00	37.85	65.25	-27.40	QP

Channel 18/587.15 MHz

Vertical

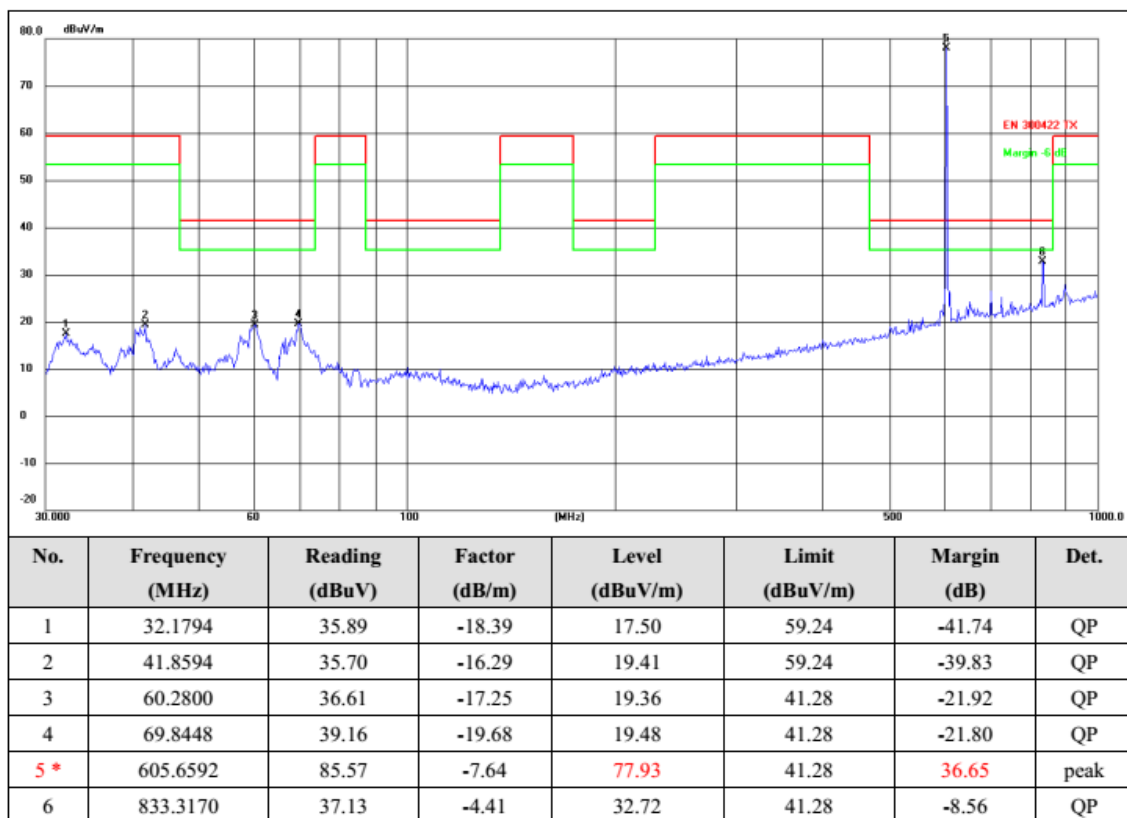


Vertical

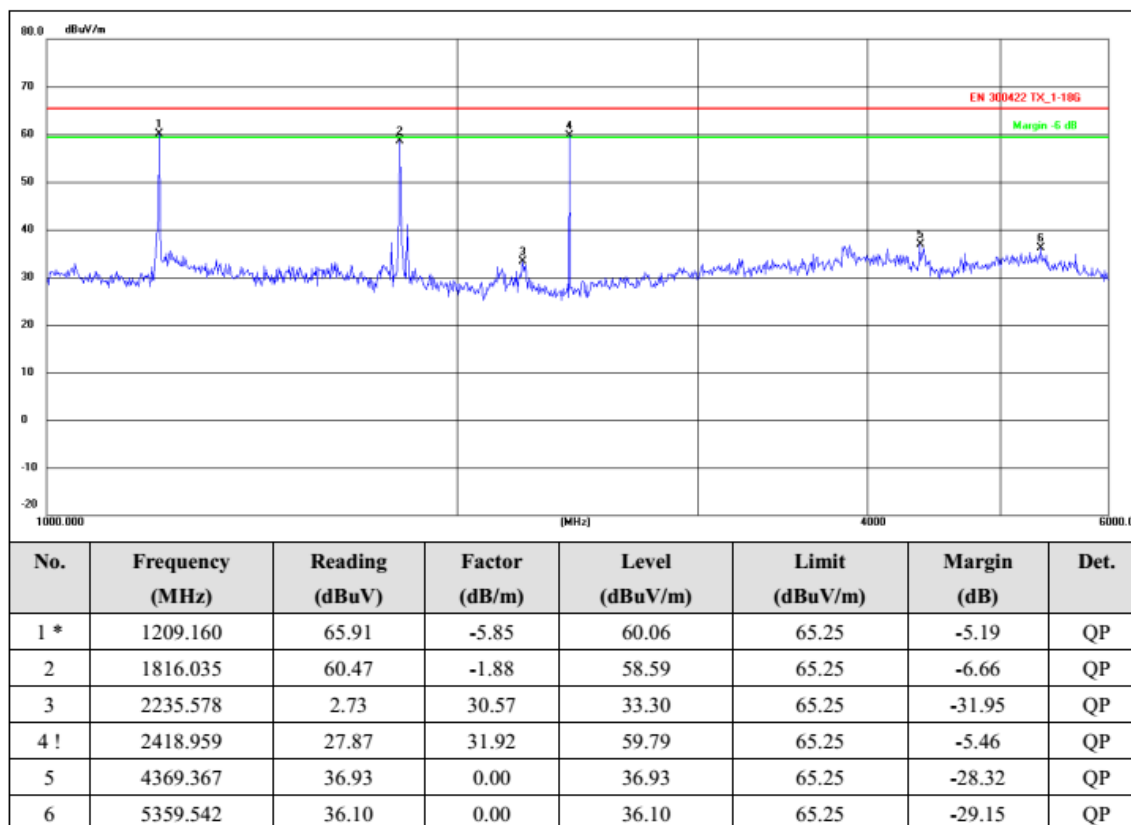


Channel 36 / 605.15MHz

Horizontal

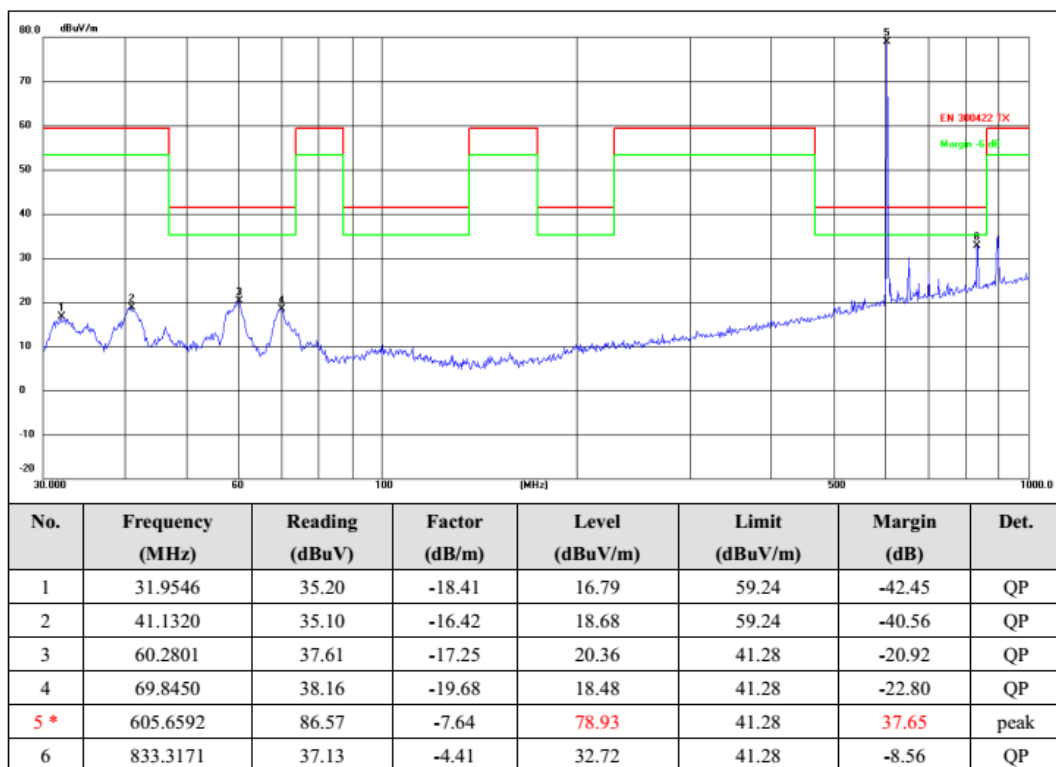


Horizontal

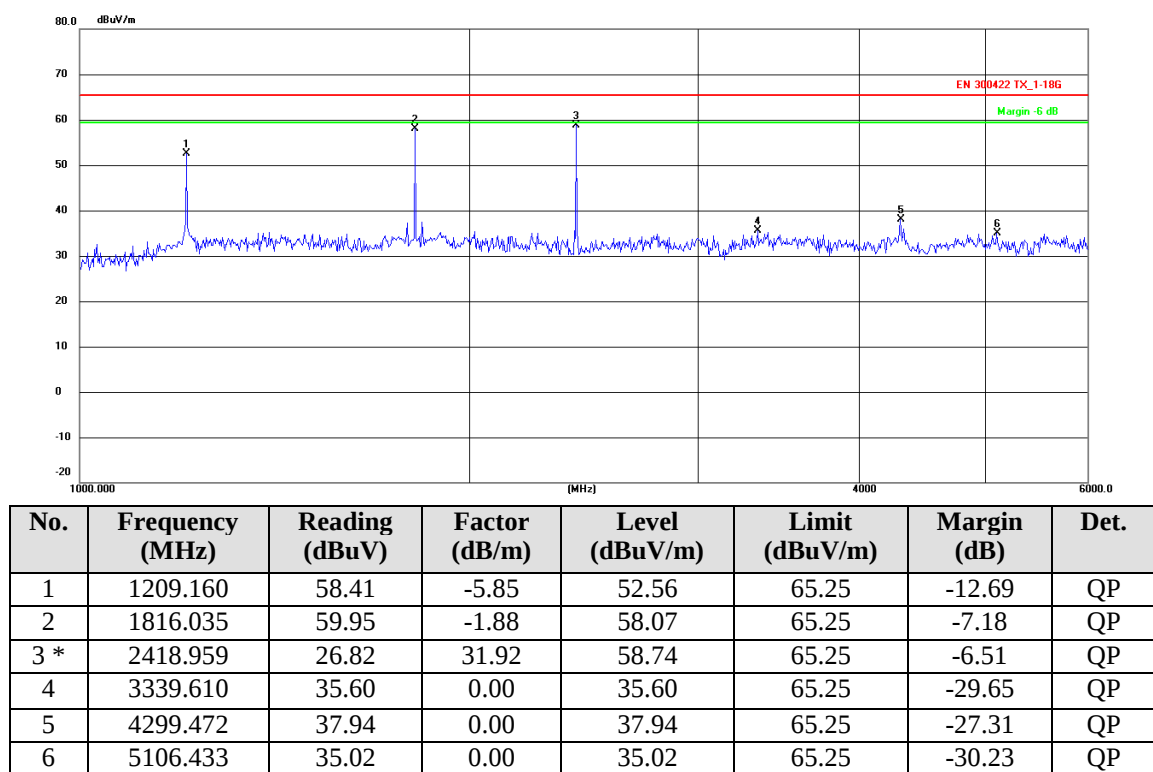


Channel 36 / 605.15MHz

Vertical



Vertical



Note: 1, All detected emissions are more than 20 dB below the limit, In addition to main frequency.

2, Factor = Antenna Factor + Cable Loss + Amplifier Factor

3, Emission Level = Reading level + Factor

4, Margin = Emission Level - Limit

5.5.Frequency Stability

Test Requirement:FCC CFR 47 Part 74.e) 4)

Test Method:FCC CFR 47 Part 2.1055

Requirements: +/-50 ppm

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

(4) The frequency tolerance of the transmitter shall be 0.005 percent.

Test Procedure:

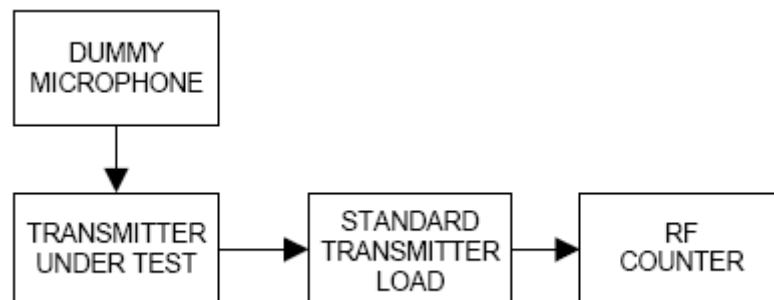
Frequency stability versus Environmental Temperature

The equipment under test was connected to an external DC power supply and the RF output was connected to a frequency counter via feed through attenuators.

The EUT was placed inside the temperature chamber. After the temperature stabilized for approximately 20 minutes, the frequency of the output signal was recorded from the counter.

Frequency Stability versus Input Voltage

At room temperature ($25 \pm 5^{\circ}\text{C}$), an external variable DC power supply was connected to the EUT. The frequency of the transmitter was measured for 115%, 100% and 85% of the nominal operating input voltage. For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Result:

Assigned Frequency: 570.15 MHz,		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 28.51 kHz (KHz)
50	3.7	+25.9
40	3.7	+25.1
30	3.7	+25.6
20	3.7	+25.5
10	3.7	+25.3
0	3.7	+25.5
-10	3.7	+25.9
-20	3.7	+25.6
-30	3.7	+25.1
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 28.51 kHz (KHz)
25	3.7	+25.0
25	3.3	+25.3
25	4.1	+25.5

Assigned Frequency: 587.15 MHz,		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 29.36 kHz (KHz)
50	3.7	+25.3
40	3.7	+25.1
30	3.7	+25.7
20	3.7	+25.8
10	3.7	+25.7
0	3.7	+25.0
-10	3.7	+25.2
-20	3.7	+25.5
-30	3.7	+25.1
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 29.36 kHz (KHz)
25	3.7	+25.0
25	3.3	+25.1
25	4.1	+25.2

Assigned Frequency: 605.15 MHz		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 30.26 kHz (KHz)
50	3.7	+25.7
40	3.7	+25.1
30	3.7	+25.5
20	3.7	+25.8
10	3.7	+25.3
0	3.7	+25.9
-10	3.7	+25.1
-20	3.7	+25.7
-30	3.7	+25.3
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 30.26 kHz (KHz)
25	3.7	+25.4
25	3.3	+25.8
25	4.1	+25.0

Battery end point: 3.7Vdc

The results: The unit does meet the FCC requirements.

5.6.Modulation Characteristics

Test Requirement:FCC CFR 47 Part 74.e) 3)

Test Method:FCC CFR 47 Part 2.1047 & TIA/EIA 603 E 2016:Land Mobile $\pi/4$ -DQPSK or PM Communications Equipment Measurement and Performance Standards

Requirements:

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

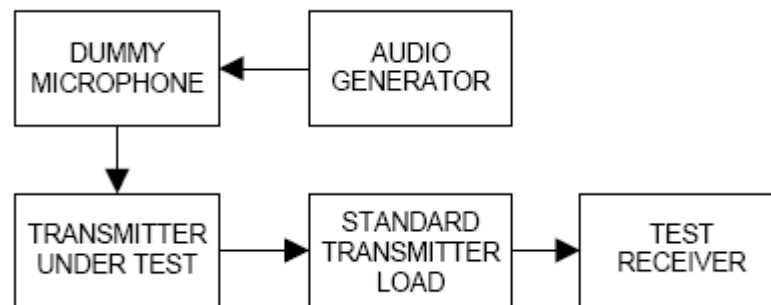
(3) Any form of modulation may be used. A maximum deviation of ± 75 kHz is permitted when frequency modulation is employed.

Test Procedure:

Audio Frequency Response

The RF output of the transceiver was connected to the input of FSP 30 with FM deviation module through sufficient attenuation so as not to overload the meter or distort the reading. An audio signal generator was connected to the audio input of microphone.

The audio signal input level was adjusted to obtain 20% of the maximum rated system deviation at 1 kHz, and recorded as DEV REF . With the audio signal generator level unchanged, set the generator frequency between 100 to 5000 Hz. The transmitter deviations (DEV FREQ) were measured and the audio frequency response was calculated as $20\log_{10} [\text{DEV FREQ} / \text{DEV REF}]$



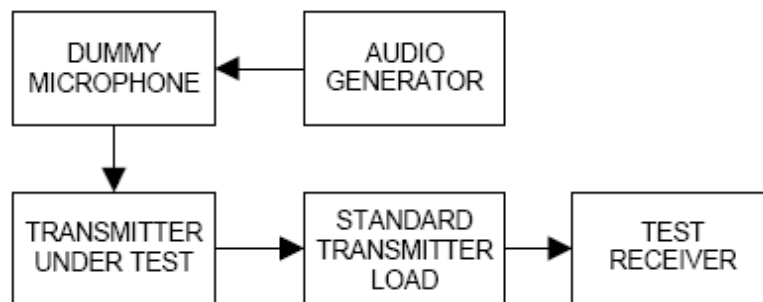
The plot(s) of Audio Frequency Response is presented hereinafter as reference.

Test Result:

Not Applicable. The EUT is a digital modulation wireless microphone.

Modulation Limiting

- Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
 - Set the test receiver to measure peak positive deviation. Set the audio bandwidth for ≤ 0.25 Hz to $\geq 15,000$ Hz. Turn the de-emphasis function off.
 - Apply a **1000 Hz** modulating signal to the transmitter from the audio frequency generator, and adjust the level to obtain **60% of full rated system deviation**.
 - Increase the level from the audio frequency generator by 20 dB in one step (rise time between the 10% and 90% points shall be 0.1 second maximum).
 - Measure both the instantaneous and steady-state deviation at and after the time of increasing the audio input level.
- With the level from the audio frequency generator held constant at the level obtained in step e), slowly vary the audio frequency from 100 to 15k Hz and observe the steady-state deviation. Record the maximum deviation.



Test at five different modulating frequencies (100Hz, 300Hz, 500Hz, 1KHz, 2.5kHz, 5kHz, 10kHz, 15kHz), the output level of the audio generator was varied up to 1V and the FM deviation level was recorded.

Positive peak deviation

Test Result:

Not Applicable. The EUT is a digital modulation wireless microphone.

5.7.Necessary bandwidth (BN)

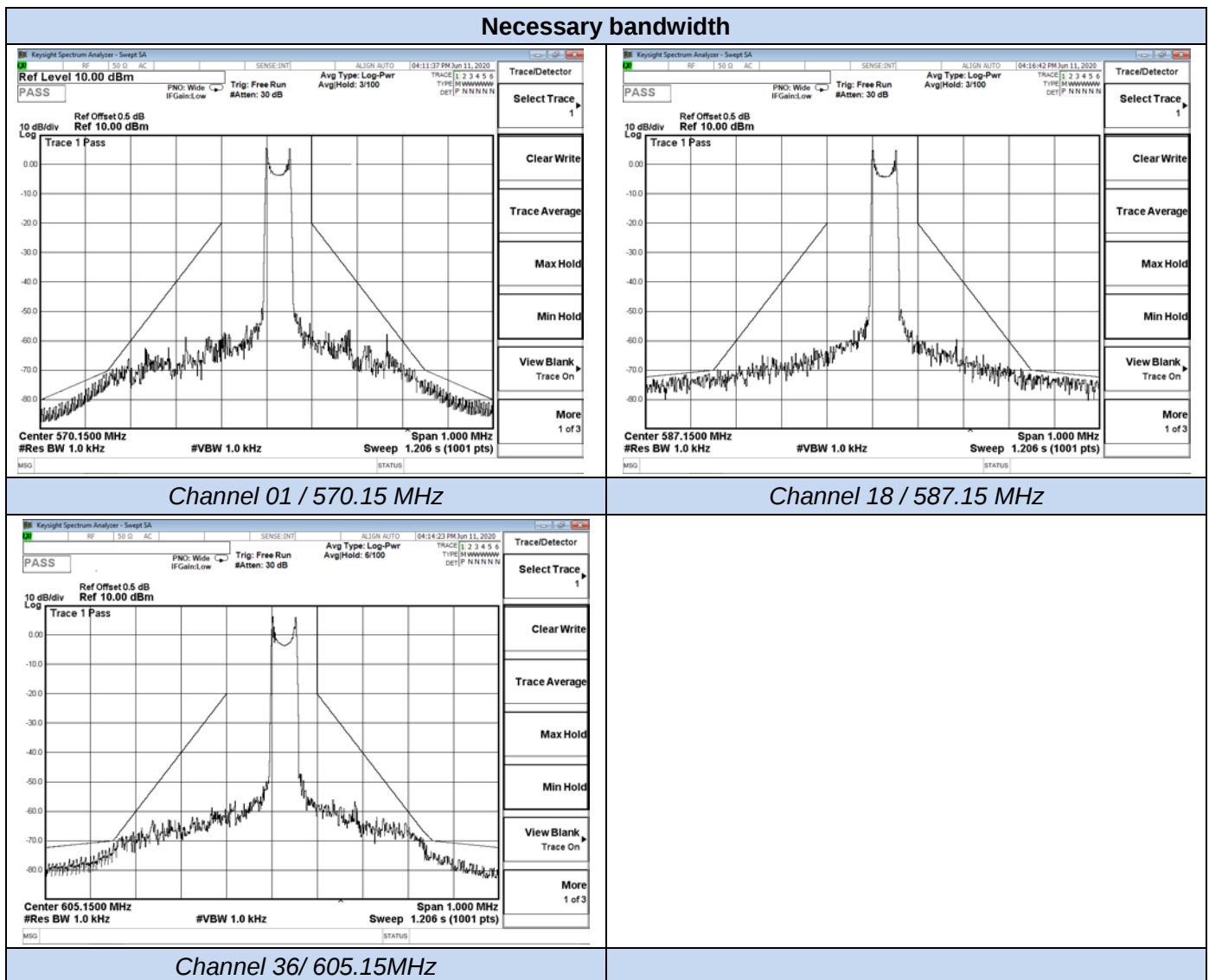
5.7.1.Measurement:

Measurement parameter	
Detector:	Peak - Quasi Peak / Average
Sweep time:	Auto
Resolution bandwidth:	1 kHz
Video bandwidth:	1 kHz
Span:	Fc-1MHz to fc+1MHz(2MHz)
Trace mode:	Max Hold

5.7.2.Limits:



5.7.3. Results:



6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	MXA Signal Analyzer	Agilent	N9020A	MY49061051	2019-06-11	2020-06-10
2	DC Power Supply	Agilent	E3642A	N/A	2019-11-14	2020-11-13
3	Temperature & Humidity Chamber	GUANGZHOU GOGN WEN	GDS-100	70932	2019-10-09	2020-10-08
4	EMI Test Software	EZ	EZ-EMC	/	N/A	N/A
5	3m Fully Anechoic Chamber	MRDIANZI	FAC-3M	MR009	2019-09-27	2020-09-26
6	Positioning Controller	MF	MF-7082	/	2019-06-12	2020-06-11
7	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2019-07-25	2020-07-24
8	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2019-07-25	2020-07-24
9	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2019-07-01	2020-06-30
10	EMI Test Receiver	R&S	ESR 7	101181	2019-06-12	2020-06-11
11	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13
12	AMPLIFIER	QuieTek	QTK	CHM/0809065	2019-11-14	2020-11-13
13	RF Cable-R03m	Jye Bao	RG142	CB021	2019-06-12	2020-06-11
14	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2019-06-12	2020-06-11
15	EMI Test Receiver	R&S	ESR 7	101181	2019-06-12	2020-06-11
16	Artificial Mains	R&S	ENV216	101288	2019-06-12	2020-06-11
17	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2019-06-11	2020-06-10
18	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2019-06-12	2020-06-11

Note: All equipment is calibrated through GUANGZHOU LISAI CALIBRATION AND TEST CO.,LTD.

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

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