



# RF TEST REPORT

Product Name: dash camera

Model Name: T2

FCC ID: 2A9JBT2

Issued For : Shenzhen Phisung Video Technology Co., Ltd.

7th Floor, A Block, Ruixiangfa Science & Technology Park,  
Shenzhen, Guangdong, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,  
No.177 Renmin West Road, Jinsha Community, Kengzi  
Street, Pingshan New District, Shenzhen, China

Report Number: LGT22K057RF01

Sample Received Date: Nov. 24, 2022

Date of Test: Nov. 24, 2022 – Jan. 05, 2023

Date of Issue: Jan. 05, 2023

The test report is effective only with both signature and specialized stamp. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report only apply to the tested sample.

# TEST REPORT CERTIFICATION

**Applicant** Shenzhen Phisung Video Technology Co., Ltd.  
**Address** 7th Floor, A Block, Ruixiangfa Science & Technology Park, Shenzhen, Guangdong, China  
**Manufacturer** Shenzhen Phisung Video Technology Co., Ltd.  
**Address** 7th Floor, A Block, Ruixiangfa Science & Technology Park, Shenzhen, Guangdong, China  
**Product Name** dash camera  
**Trademark** N/A  
**Model Name** T2  
**Sample Status:** Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 22H and 24E, 27 KDB 971168 D01 v03r01, ANSI C63.26( 2015)	PASS

Prepared by:

Zane Shan

Zane Shan  
Engineer

Approved by:

Vita Li

Vita Li  
Technical Director



Table of Contents	Page
<b>1 SUMMARY OF TEST RESULTS</b>	<b>6</b>
<b>2 INTRODUCTION</b>	<b>7</b>
2.1 TEST FACTORY	7
2.2 MEASUREMENT UNCERTAINTY	7
<b>3. PRODUCT INFORMATION</b>	<b>8</b>
<b>4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST</b>	<b>9</b>
<b>5 MEASUREMENT INSTRUMENTS</b>	<b>10</b>
<b>6 TEST ITEMS</b>	<b>11</b>
6.1 CONDUCTED OUTPUT POWER	11
6.2 PEAK TO AVERAGE RATIO	12
6.3 TRANSMITTER RADIATED POWER (EIRP/ERP)	13
6.4 OCCUPIED BANDWIDTH	14
6.5 FREQUENCY STABILITY	15
6.6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS	16
6.7 BAND EDGE	17
6.8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT	18
<b>APPENDIX I. TESTRESULT</b>	<b>20</b>
2G	20
CONDUCTED OUTPUT POWER	20
FREQUENCY STABILITY	22
PEAK-TO-AVERAGE RATIO	23
OCCUPIED BANDWIDTH	28
BAND EDGE	33
OUT-OF-BAND EMISSIONS	36
RADIATED SPURIOUS EMISSION	41
3G	53
CONDUCTED OUTPUT POWER	53
FREQUENCY STABILITY	55
PEAK-TO-AVERAGE RATIO	56
OCCUPIED BANDWIDTH	58
BAND EDGE	60
OUT-OF-BAND EMISSIONS	61
RADIATED SPURIOUS EMISSION	63
<b>APPENDIX II- PHOTOS OF TEST SETUP</b>	<b>69</b>

**Table of Contents****Page**

### **Revision History**

Rev.	Issue Date	Contents
00	Jan. 05, 2023	Initial Issue

## 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of KDB 971168 D01 v03r01 and ANSI C63.26-2015

FCC Rules	Test Description	Test Limit	Test Result	Reference
2.1046	Conducted Output Power	Reporting Only	PASS	
22.913d 24.232d	Peak-to-Average Ratio	< 13 dB	PASS	
2.1046 22.913 24.232 27.50	Effective Radiated Power/Equivalent Isotropic Radiated Power	< 7 Watts max. ERP(Part 22) < 2 Watts max. EIRP(Part 24) <1 Watts max. EIRP(Part 27)	PASS	
2.1049 22.917 24.238 27.53	Occupied Bandwidth	Reporting Only	PASS	
2.1055 22.355 24.235 27.54	Frequency Stability	< 2.5 ppm (Part 22) Emission must remain in band (Part 24) Emission must remain in band (Part 27)	PASS	
2.1051 22.917 24.238 27.53	Spurious Emission at Antenna Terminals	< 43+10log10(P[Watts])	PASS	
2.1053 22.917 24.238 27.53	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	
2.1051 22.917 24.238 27.53	Band Edge	< 43+10log10(P[Watts])	PASS	

## 2 INTRODUCTION

### 2.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China
Accreditation Certificate	FCC Registration No.: 746540
	A2LA Certificate No.: 6727.01

### 2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95% level of confidence. The measurement data shown herein meets or exceeds the UCISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$

### 3 PRODUCT INFORMATION

Product Name	dash camera
Trademark	N/A
Model Name	T2
Series Model	N/A
Model Difference	N/A
Tx Frequency:	<p>GPRS/EDGE: 850: 824 MHz ~ 849MHz 1900: 1850 MHz ~ 1910MHz</p> <p>WCDMA: Band V: 824 MHz ~ 849 MHz</p>
Rx Frequency:	<p>GPRS/EDGE: 850: 869 MHz ~ 894 MHz 1900: 1930 MHz ~ 1990MHz</p> <p>WCDMA: Band V: 869 MHz ~ 894 MHz</p>
Modulation Characteristics:	GMSK for GPRS; GMSK and 8PSK for EDGE WCDMA: QPSK; HSDPA: QPSK/16QAM; HSUPA: BPSK
SIM Card:	Only one SIM card
Antenna:	FPC
Antenna gain:	<p>2G 850: -0.66dBi 2G 1900: 0.29dBi 3G WCDMA BAND 5: -0.66dBi</p>
Rating	<p>Input: DC 12V Output: DC 5V</p>
Battery	N/A
GPRS/EDGE Class:	Multi-Class12
Hardware version number:	N/A
Software version number:	full_FX_T2_PL_TW1S-V1.5_4G_EN_3.0.10

#### 4 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for GSM850/WCDMA Band V/CDMA BC0/EVDO BC0.
2. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band I/CDMA BC1/EVDO BC1.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst-case configuration below:

<b>TEST MODES</b>		
<b>BAND</b>	<b>RADIATED TCS</b>	<b>CONDUCTED TCS</b>
GSM 850	GPRS/EDGE CLASS 12 LINK	GPRS/EDGE CLASS 12 LINK
GSM 1900	GPRS/EDGE CLASS 12 LINK	GPRS/EDGE CLASS 12 LINK
WCDMA BAND V	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK

## 5 MEASUREMENT INSTRUMENTS

<b>Radiated Test equipment</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date</b>	<b>Cal. Until</b>
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
Active loop Antenna	R&S	HFH2-Z2	POS871398181	2022.06.02	2024.06.01
Spectrum Analyzer	Kesight	N9010B	MY60242508	2022.04.29	2023.04.28
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
Bilog Antenna	SCHAFFNER	CBL6112B	2705	2022.06.05	2024.06.04
Horn Antenna	SCHWARZBECK	3115	10SL0060	2022.06.02	2024.06.01
Pre-amplifier(0.1M-3GHz)	HP	8447D	2727A05655	2022.04.11	2023.04.10
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2022.04.13	2023.04.12
RE Cable (9K-1G)	N.A	R01	N.A	2022.05.05	2023.05.04
RE Cable (1-26G)	N.A	R02	N.A	2022.05.05	2023.05.04
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EMC-I_V1.4.0.3_SKET				

<b>Conducted Test equipment</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date</b>	<b>Cal. Until</b>
Signal Analyzer	keysight	N9010B	MY60242508	2022.04.29	2023.04.28
Wireless Communications Test Set	R&S	CMW 500	137737	2022.04.29	2023.04.28
MXG Vector Signal Generator	keysight	N5182B	MY59100717	2022.06.02	2023.06.01
RF Automatic Test system	MW	MW100-RFCB	MW220324LG-33	2022.04.29	2023.04.28
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2022.05.10	2023.05.09
Attenuator	eastsheep	90db	N.A	2022.04.29	2023.04.28
Router	WAVLINK	WL-WN575A2	WL1512260336	N.C.R	N.C.R
Router	TP-LINK	TL-WR885N	1125074010735	N.C.R	N.C.R
Testing Software	MTS8200_V2.0.0.0				

Equipment with a calibration date of “NCR” shown in this list was not used to make direct calibrated measurements.

## 6 TEST ITEMS

### 6.1 CONDUCTED OUTPUT POWER

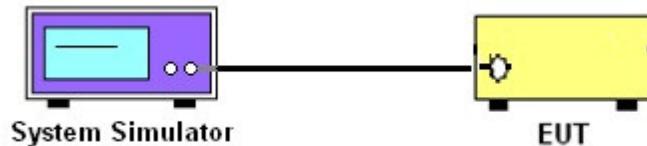
#### TEST OVERVIEW

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

#### TEST PROCEDURES

1. The transmitter output port was connected to the system simulator.
2. Set eut at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

#### TEST SETUP



#### TEST RESULT

Note: Test data See APPENDIX I.

## 6.2 PEAK TO AVERAGE RATIO

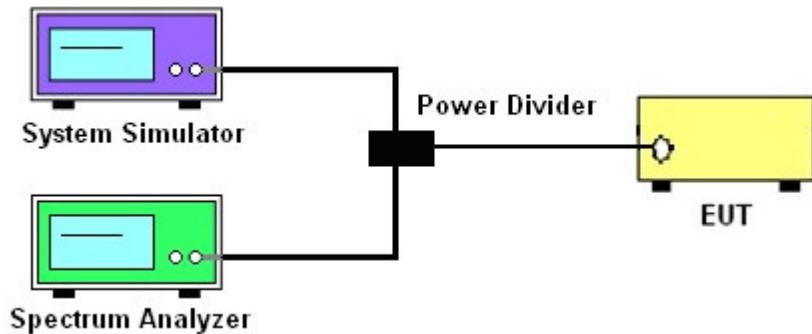
### TEST OVERVIEW

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 db.

### TEST PROCEDURES

1. The testing follows FCC KDB 971168 v03r01 section.
2. The eut was connected to the peak and av system simulator& spectrum analyzer.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure average power of the spectrum analysis,

### TEST SETUP



### TEST RESULT

Note: Test data See APPENDIX I.

## 6.3 TRANSMITTER RADIATED POWER (EIRP/ERP)

### TEST OVERVIEW

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26 2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

### TEST PROCEDURE

1. The testing follows FCC KDB 971168 Section 5.8 and ANSI C63.26-2015 Section 5.2.
2. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.
3. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
4. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
5. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a nonradiating cable. The absolute levels of the spurious emissions were measured by the substitution.
6. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to ANSI C63.26-2015. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.  
EIRP=S.G Level+ Gain-Cable loss; ERP=S.G Level+ Gain-Cable loss-2.15.

### TEST RESULT

Note: Test data See APPENDIX I.

## 6.4 OCCUPIED BANDWIDTH

### TEST OVERVIEW

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

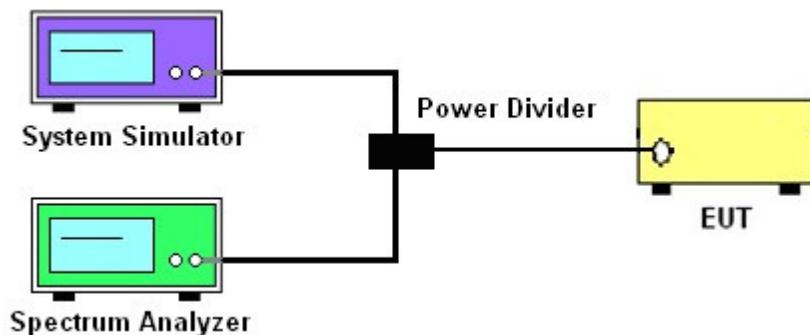
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

All modes of operation were investigated and the worst-case configuration results are reported in this section.

### TEST PROCEDURE

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW  $\geq$  3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

### TEST SETUP



### TEST RESULT

Note: Test data See APPENDIX I.

## 6.5 FREQUENCY STABILITY

### TEST OVERVIEW

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26 2015.

The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5$  ppm) of the center frequency. For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### TEST PROCEDURE

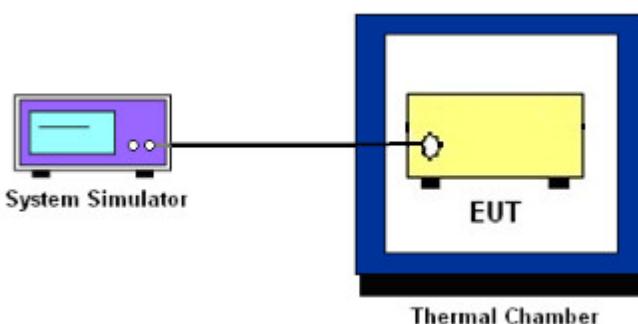
#### Temperature Variation

1. The testing follows FCC KDB 971168 D01 section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### Voltage Variation

1. The testing follows FCC KDB 971168 D01 Section 9.0.
2. The EUT was placed in a temperature chamber at  $25\pm 5^\circ\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

### TEST SETUP



### TEST RESULT

Note: Test data See APPENDIX I.

## 6.6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

### TEST OVERVIEW

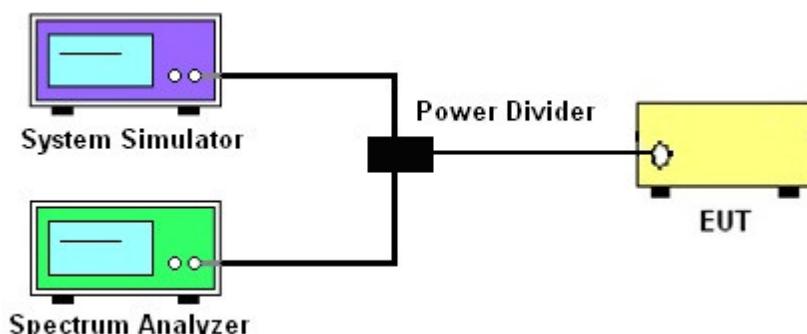
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

### TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0. and ANSI C63.26-2015-Section 5.7.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13$  dBm.

### TEST SETUP



### TEST RESULT

Note: Test data See APPENDIX I.

## 6.7 BAND EDGE

### TEST OVERVIEW

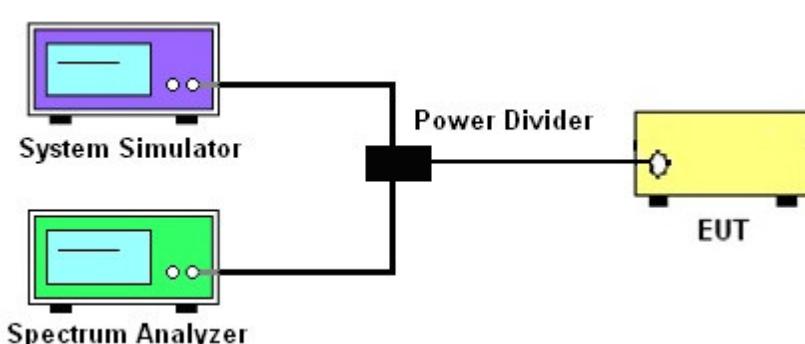
All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is  $43 + \log_{10}(P[\text{Watts}])$ , where P is the transmitter power in Watts.

### TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26-2015-Section 5.7
2. Start and stop frequency were set such that the band edge would be placed in the center of the Plot.
3. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
4. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
5. The band edges of low and high channels for the highest RF powers were measured.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)  
 $= P(\text{W}) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13 \text{ dBm.}$

### TEST SETUP



### TEST RESULT

Note: Test data See APPENDIX I.

## 6.8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

### TEST OVERVIEW

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power and at the appropriate frequencies.

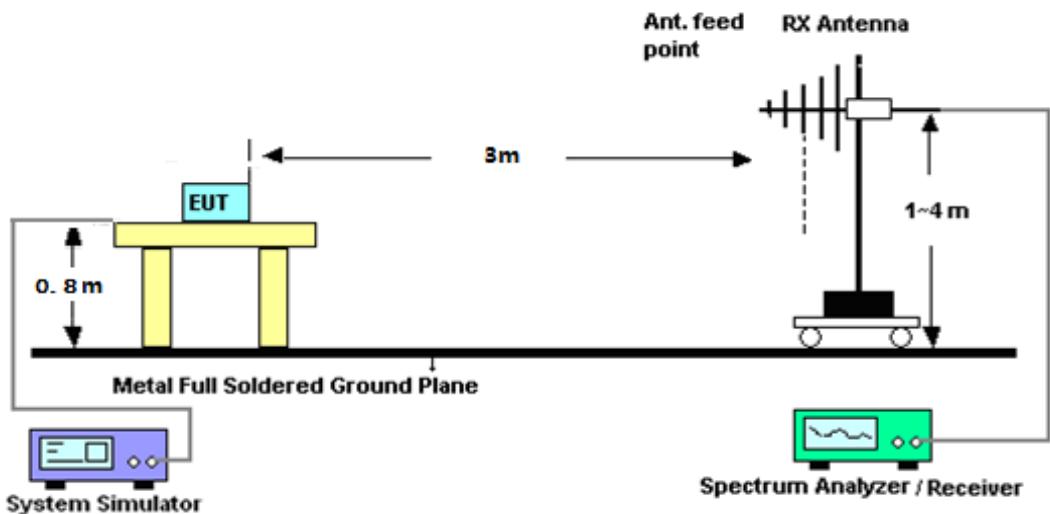
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

### TEST PROCEDURE

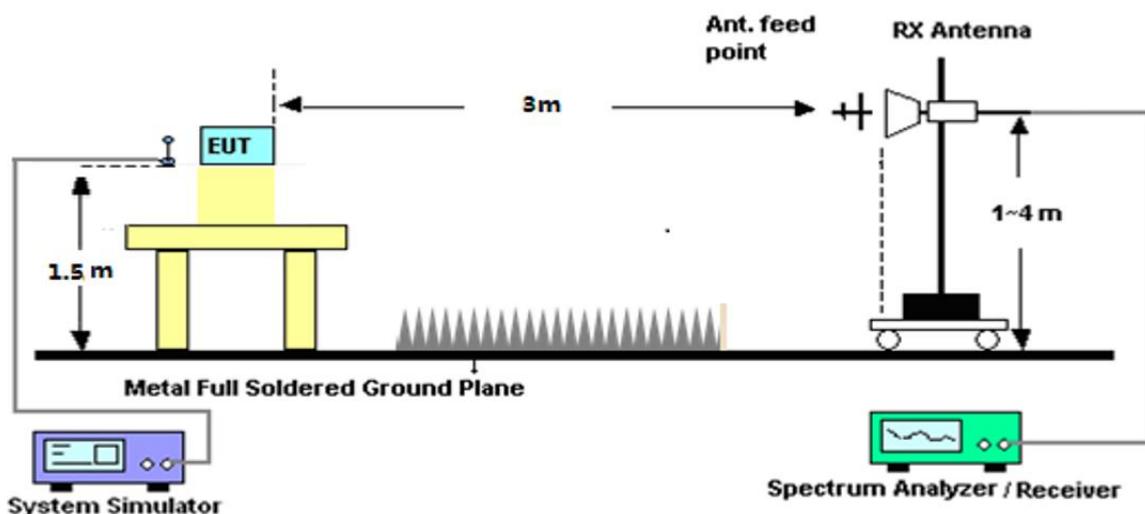
1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26-2015-Section 5.5.
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW  $\geq$  3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points  $>$  2 x span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.  
PMea=S.G Level+ Ant-Cable loss; Margin=PMea-Limit.

## TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



## TEST RESULT

Note: Test data See APPENDIX I.

## APPENDIX I. TESTRESULT

2G

### CONDUCTED OUTPUT POWER

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GPRS850 1 Slot	128	824.2	33.16	-0.66	32.5	33	PASS
GPRS850 1 Slot	190	836.6	32.74	-0.66	32.08	33	PASS
GPRS850 1 Slot	251	848.8	32.9	-0.66	32.24	33	PASS
GPRS850 2 Slot	128	824.2	31.61	-0.66	30.95	33	PASS
GPRS850 2 Slot	190	836.6	31.14	-0.66	30.48	33	PASS
GPRS850 2 Slot	251	848.8	31.3	-0.66	30.64	33	PASS
GPRS850 3 Slot	128	824.2	29.88	-0.66	29.22	33	PASS
GPRS850 3 Slot	190	836.6	29.39	-0.66	28.73	33	PASS
GPRS850 3 Slot	251	848.8	29.54	-0.66	28.88	33	PASS
GPRS850 4 Slot	128	824.2	28.36	-0.66	27.7	33	PASS
GPRS850 4 Slot	190	836.6	27.83	-0.66	27.17	33	PASS
GPRS850 4 Slot	251	848.8	27.97	-0.66	27.31	33	PASS
EGPRS850 1 Slot	128	824.2	29.47	-0.66	28.81	33	PASS
EGPRS850 1 Slot	190	836.6	29.81	-0.66	29.15	33	PASS
EGPRS850 1 Slot	251	848.8	30.08	-0.66	29.42	33	PASS
EGPRS850 2 Slot	128	824.2	28.89	-0.66	28.23	33	PASS
EGPRS850 2 Slot	190	836.6	29.29	-0.66	28.63	33	PASS
EGPRS850 2 Slot	251	848.8	29.39	-0.66	28.73	33	PASS
EGPRS850 3 Slot	128	824.2	27.17	-0.66	26.51	33	PASS
EGPRS850 3 Slot	190	836.6	27.52	-0.66	26.86	33	PASS
EGPRS850 3 Slot	251	848.8	27.99	-0.66	27.33	33	PASS
EGPRS850 4 Slot	128	824.2	26.3	-0.66	25.64	33	PASS
EGPRS850 4 Slot	190	836.6	26.74	-0.66	26.08	33	PASS
EGPRS850 4 Slot	251	848.8	26.65	-0.66	25.99	33	PASS
Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GPRS1900 1 Slot	512	1850.2	29.86	0.29	30.15	38.45	PASS
GPRS1900 1 Slot	661	1880	29.98	0.29	30.27	38.45	PASS
GPRS1900 1 Slot	810	1909.8	29.82	0.29	30.11	38.45	PASS
GPRS1900 2 Slot	512	1850.2	28.35	0.29	28.64	38.45	PASS
GPRS1900 2	661	1880	28.54	0.29	28.83	38.45	PASS

Slot							
GPRS1900 2 Slot	810	1909.8	28.44	0.29	28.73	38.45	PASS
GPRS1900 3 Slot	512	1850.2	26.59	0.29	26.88	38.45	PASS
GPRS1900 3 Slot	661	1880	26.8	0.29	27.09	38.45	PASS
GPRS1900 3 Slot	810	1909.8	26.75	0.29	27.04	38.45	PASS
GPRS1900 4 Slot	512	1850.2	24.76	0.29	25.05	38.45	PASS
GPRS1900 4 Slot	661	1880	25.06	0.29	25.35	38.45	PASS
GPRS1900 4 Slot	810	1909.8	25.02	0.29	25.31	38.45	PASS
EGPRS1900 1 Slot	512	1850.2	31.69	0.29	31.98	38.45	PASS
EGPRS1900 1 Slot	661	1880	31.43	0.29	31.72	38.45	PASS
EGPRS1900 1 Slot	810	1909.8	31.28	0.29	31.57	38.45	PASS
EGPRS1900 2 Slot	512	1850.2	31.2	0.29	31.49	38.45	PASS
EGPRS1900 2 Slot	661	1880	31	0.29	31.29	38.45	PASS
EGPRS1900 2 Slot	810	1909.8	30.87	0.29	31.16	38.45	PASS
EGPRS1900 3 Slot	512	1850.2	30.33	0.29	30.62	38.45	PASS
EGPRS1900 3 Slot	661	1880	30.06	0.29	30.35	38.45	PASS
EGPRS1900 3 Slot	810	1909.8	29.89	0.29	30.18	38.45	PASS
EGPRS1900 4 Slot	512	1850.2	29.28	0.29	29.57	38.45	PASS
EGPRS1900 4 Slot	661	1880	29.51	0.29	29.8	38.45	PASS
EGPRS1900 4 Slot	810	1909.8	29.55	0.29	29.84	38.45	PASS

## FREQUENCY STABILITY

Band	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
GPRS850	128	824.2	-25.441	-0.03	-2.500	2.5	PASS
GPRS850	190	836.6	-25.441	-0.03	-2.500	2.5	PASS
GPRS850	251	848.8	-19.146	-0.02	-2.500	2.5	PASS
EGPRS850	128	824.2	-8.911	-0.01	-2.500	2.5	PASS
EGPRS850	190	836.6	-6.360	-0.01	-2.500	2.5	PASS
EGPRS850	251	848.8	-7.523	-0.01	-2.500	2.5	PASS
GPRS1900	512	1850.2	-77.195	-0.04	-2.500	2.5	PASS
GPRS1900	661	1880	-75.710	-0.04	-2.500	2.5	PASS
GPRS1900	810	1909.8	-70.319	-0.04	-2.500	2.5	PASS
EGPRS1900	512	1850.2	-11.203	-0.01	-2.500	2.5	PASS
EGPRS1900	661	1880	-13.818	-0.01	-2.500	2.5	PASS
EGPRS1900	810	1909.8	-12.753	-0.01	-2.500	2.5	PASS

## PEAK-TO-AVERAGE RATIO

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.707	13.00	PASS
GPRS850	190	836.6	2.691	13.00	PASS
GPRS850	251	848.8	2.717	13.00	PASS
EGPRS850	128	824.2	4.393	13.00	PASS
EGPRS850	190	836.6	4.535	13.00	PASS
EGPRS850	251	848.8	4.535	13.00	PASS
GPRS1900	512	1850.2	2.708	13.00	PASS
GPRS1900	661	1880	2.698	13.00	PASS
GPRS1900	810	1909.8	2.700	13.00	PASS
EGPRS1900	512	1850.2	4.370	13.00	PASS
EGPRS1900	661	1880	4.280	13.00	PASS
EGPRS1900	810	1909.8	4.216	13.00	PASS

GPRS850 Channel=128



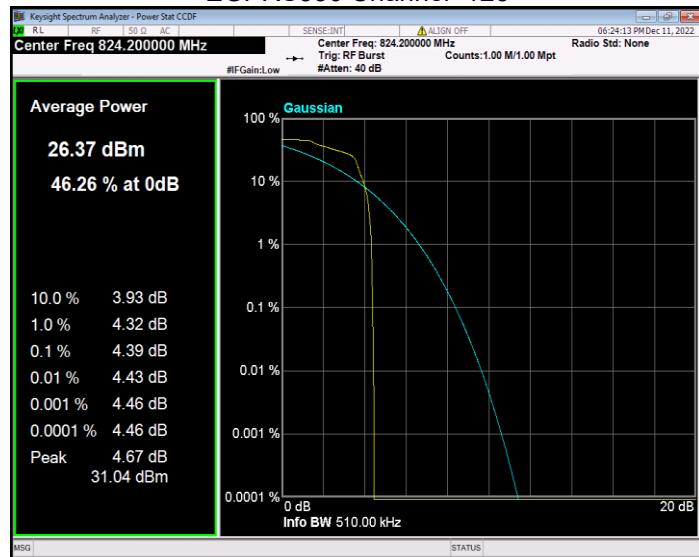
GPRS850 Channel=190



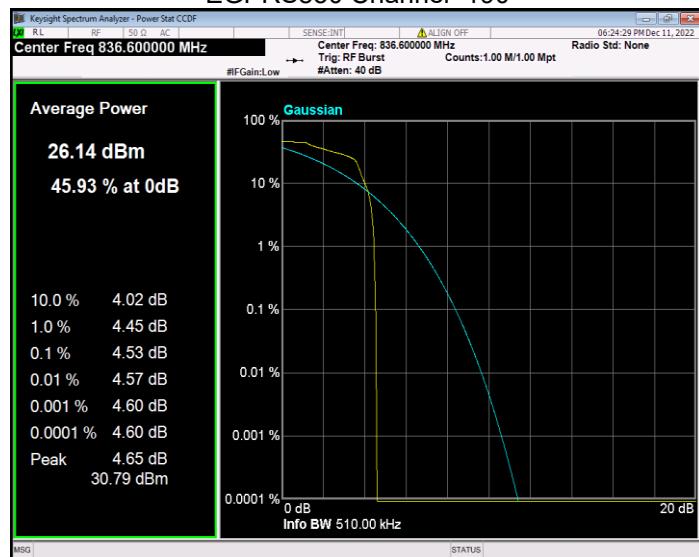
### GPRS850 Channel=251



### EGPRS850 Channel=128



### EGPRS850 Channel=190



### EGPRS850 Channel=251



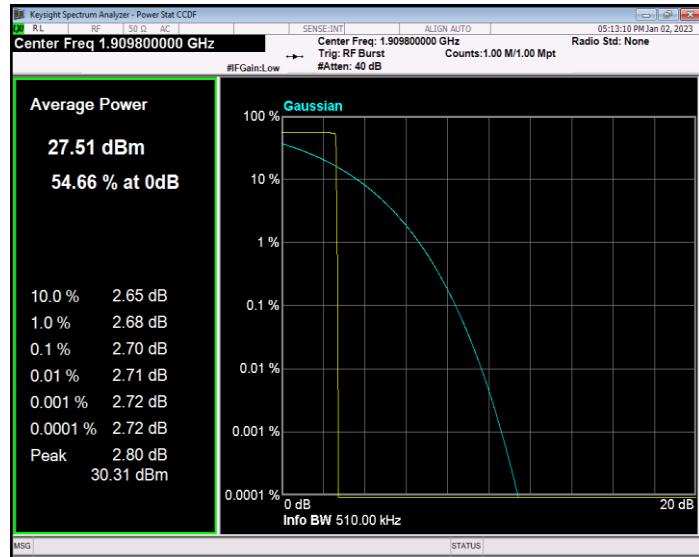
### GPRS1900 Channel=512



### GPRS1900 Channel=661



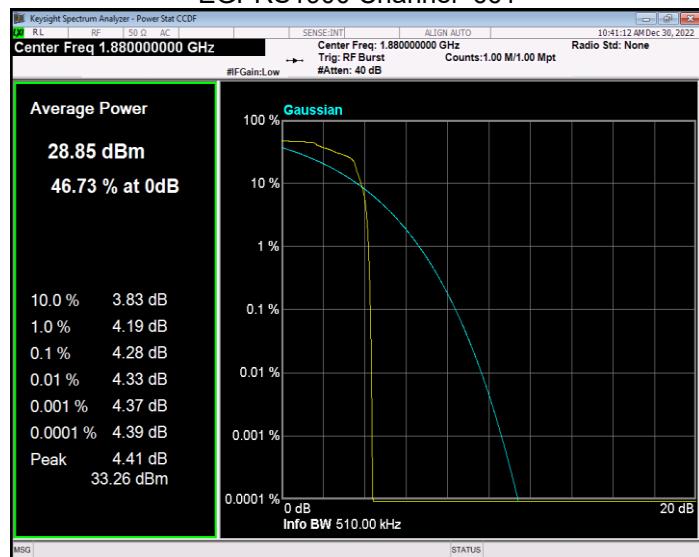
### GPRS1900 Channel=810



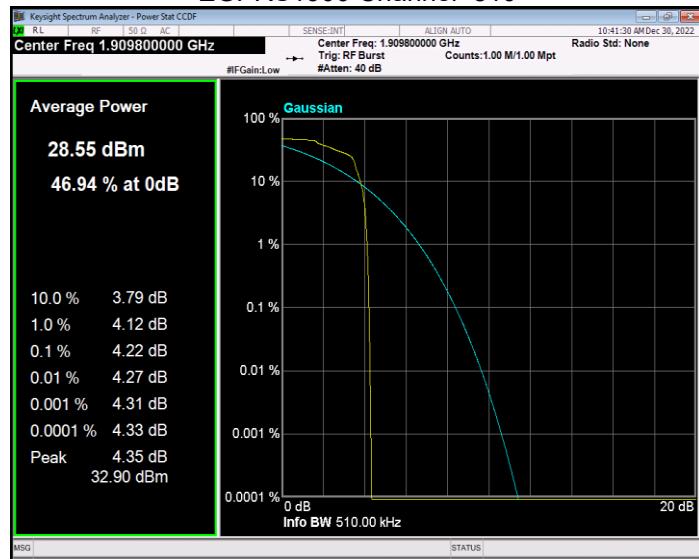
### EGPRS1900 Channel=512



### EGPRS1900 Channel=661



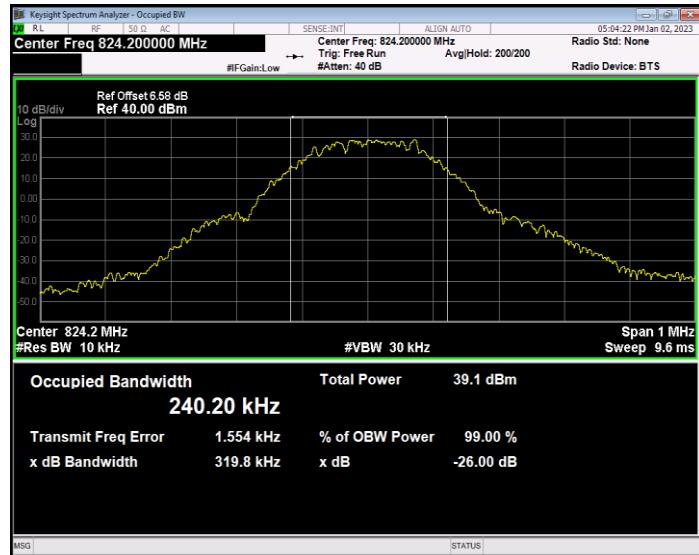
## EGPRS1900 Channel=810



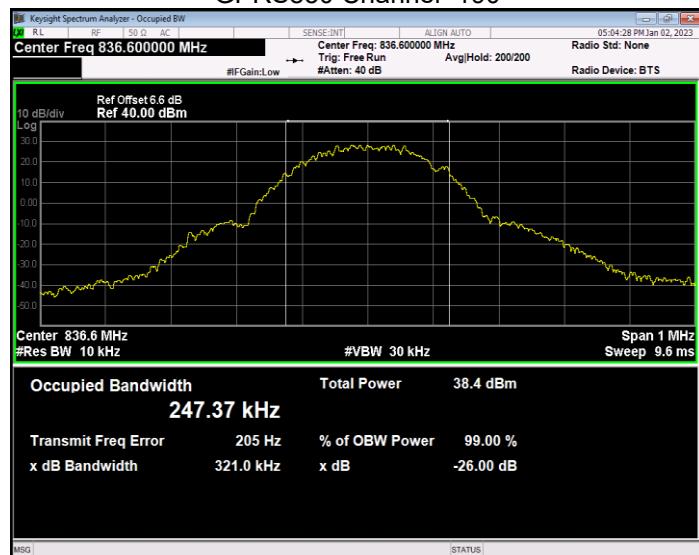
## OCCUPIED BANDWIDTH

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	240.204	319.832	PASS
GPRS850	190	836.6	247.367	320.968	PASS
GPRS850	251	848.8	243.365	307.603	PASS
EGPRS850	128	824.2	276.447	358.350	PASS
EGPRS850	190	836.6	273.302	352.753	PASS
EGPRS850	251	848.8	266.801	336.568	PASS
GPRS1900	512	1850.2	233.847	305.957	PASS
GPRS1900	661	1880	241.735	310.072	PASS
GPRS1900	810	1909.8	238.349	312.279	PASS
EGPRS1900	512	1850.2	281.274	393.521	PASS
EGPRS1900	661	1880	284.498	377.998	PASS
EGPRS1900	810	1909.8	284.141	375.083	PASS

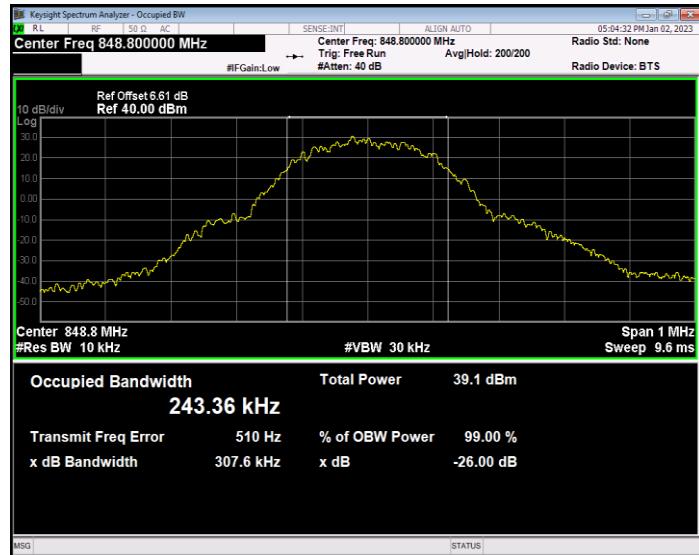
GPRS850 Channel=128



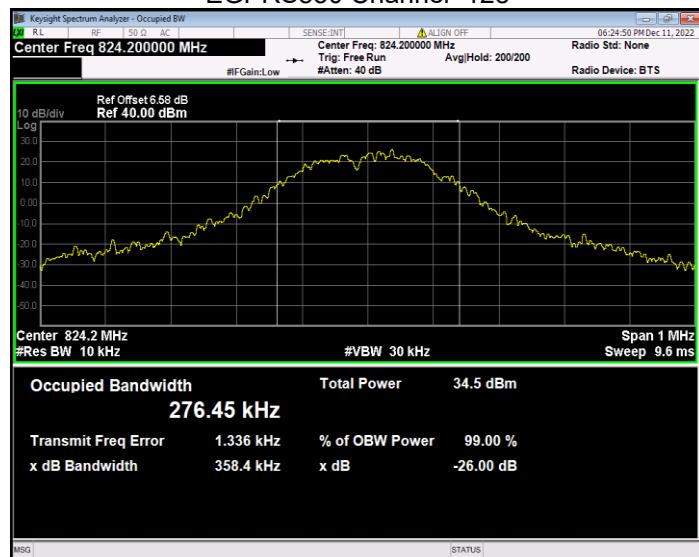
GPRS850 Channel=190



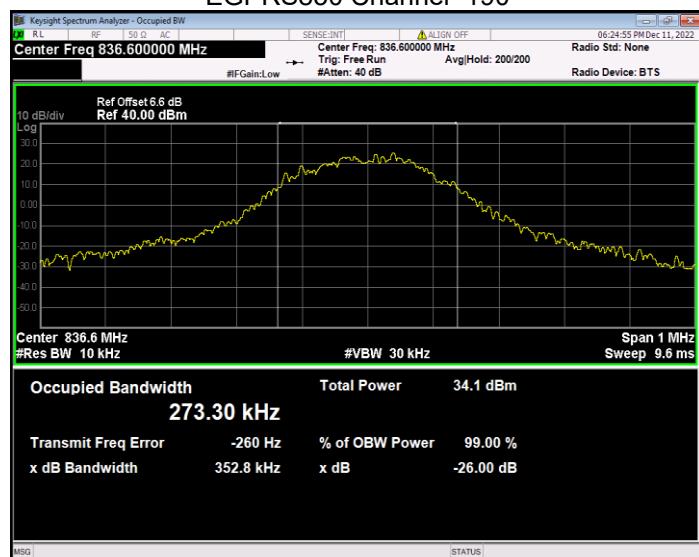
### GPRS850 Channel=251



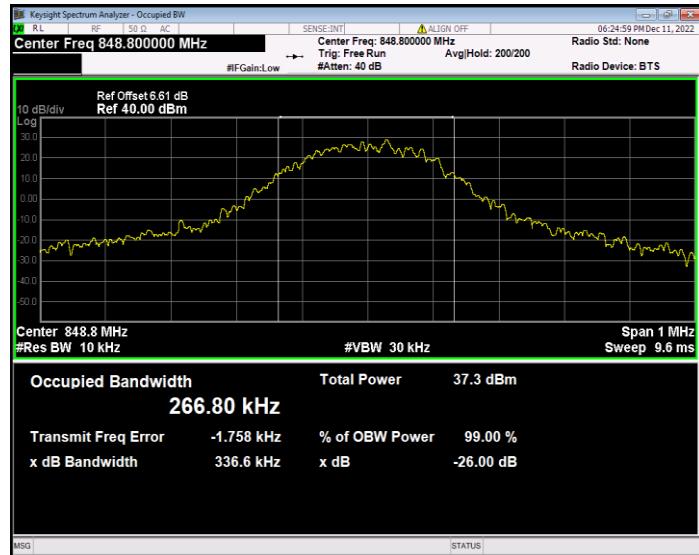
### EGPRS850 Channel=128



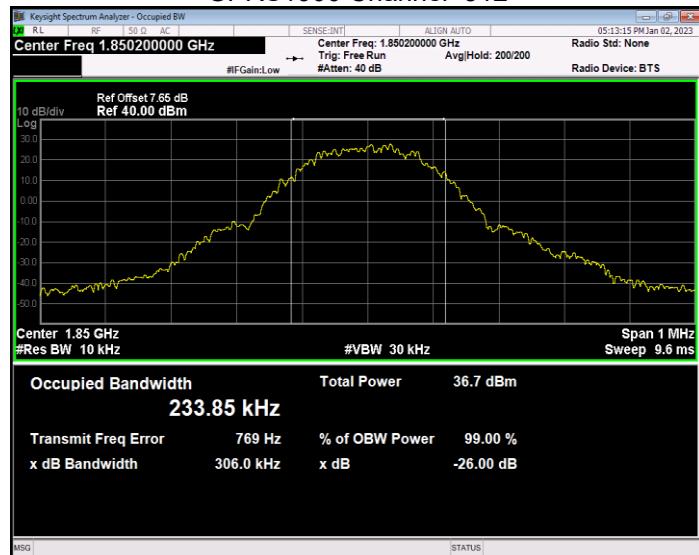
### EGPRS850 Channel=190



### EGPRS850 Channel=251



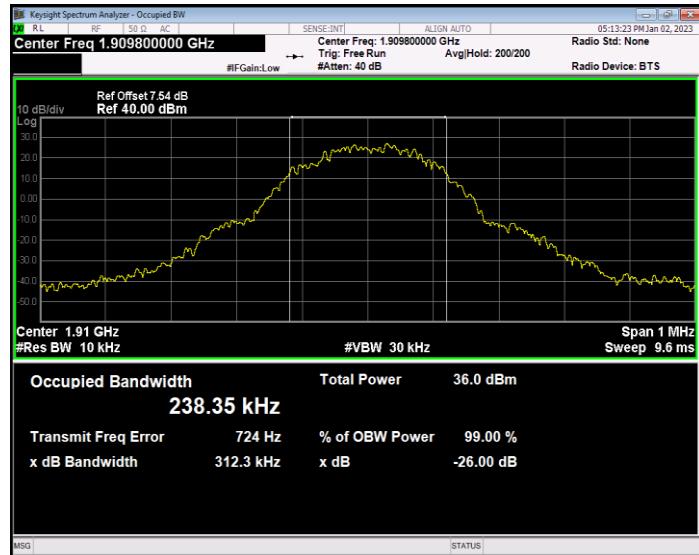
### GPRS1900 Channel=512



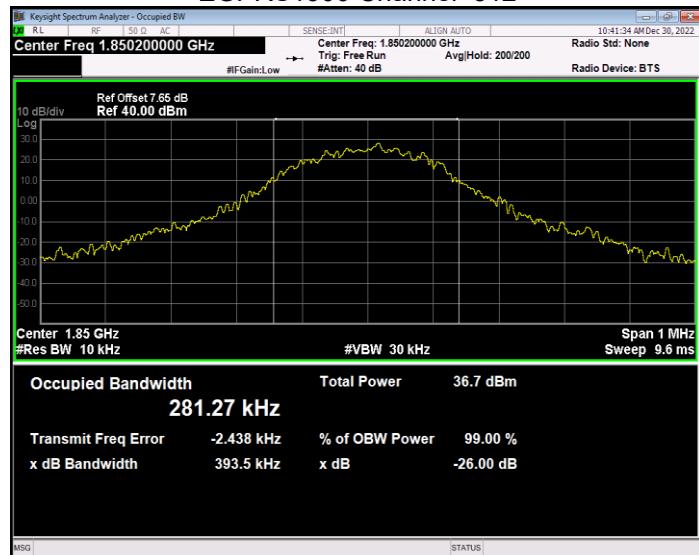
### GPRS1900 Channel=661



### GPRS1900 Channel=810



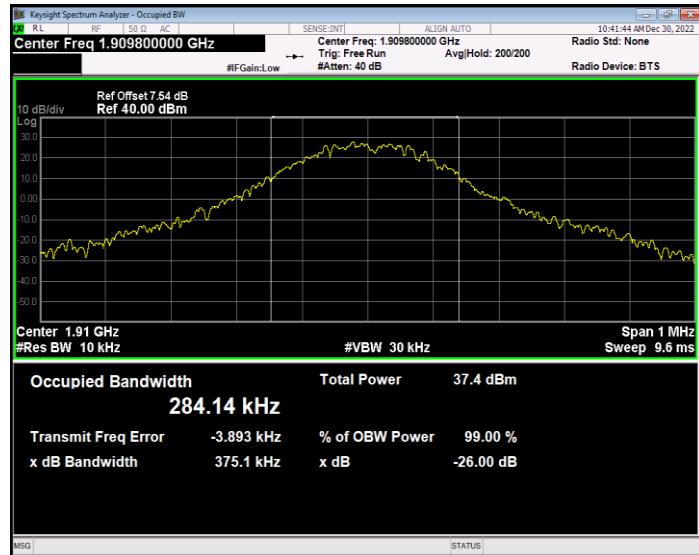
### EGPRS1900 Channel=512



### EGPRS1900 Channel=661



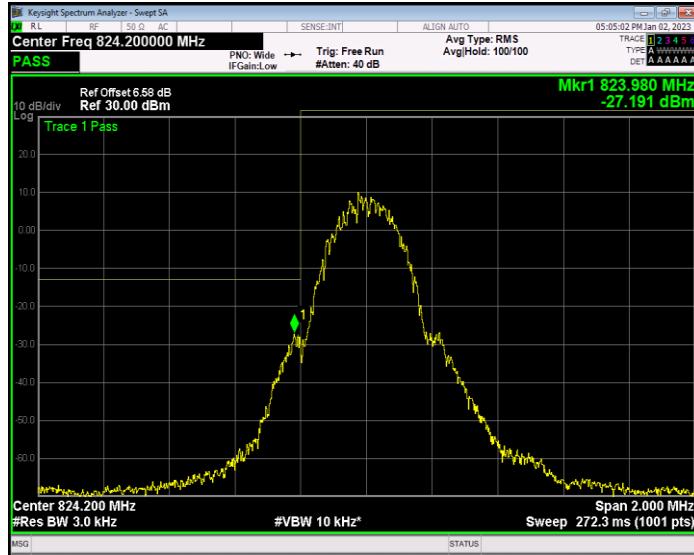
### EGPRS1900 Channel=810



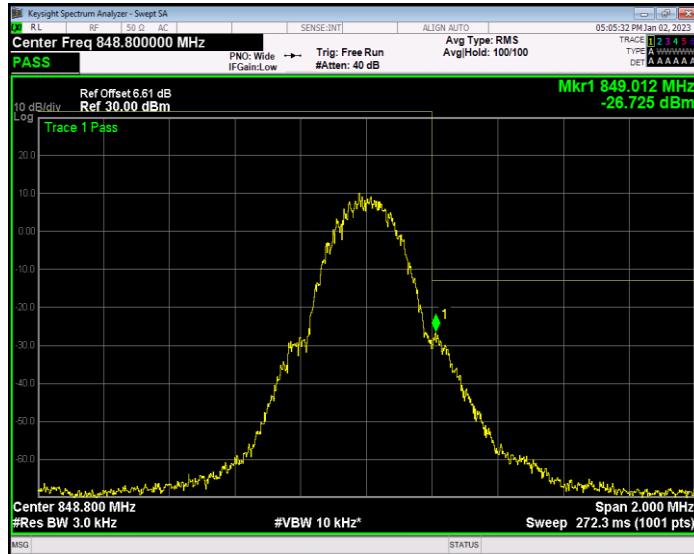
## BAND EDGE

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.98	-27.19	-13	PASS
GPRS850	251	848.8	849.01	-26.72	-13	PASS
EGPRS850	128	824.2	824.00	-26.75	-13	PASS
EGPRS850	251	848.8	849.00	-26.14	-13	PASS
GPRS1900	512	1850.2	1849.98	-31.92	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.36	-13	PASS
EGPRS1900	512	1850.2	1849.99	-23.40	-13	PASS
EGPRS1900	810	1909.8	1910.01	-20.96	-13	PASS

GPRS850 Channel=128



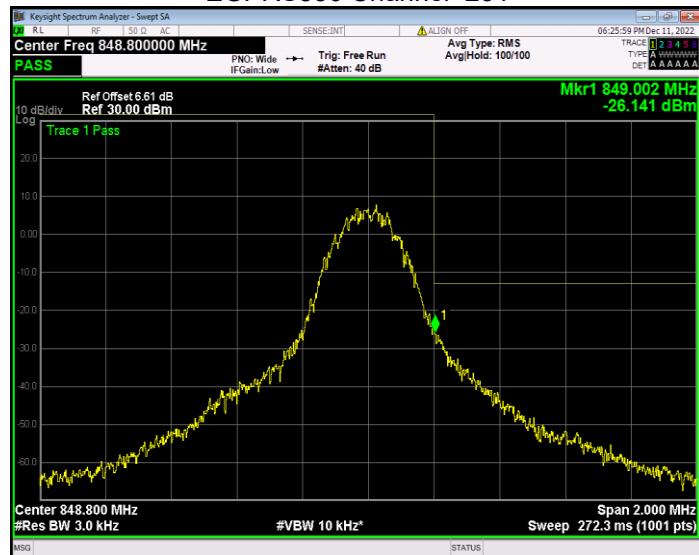
GPRS850 Channel=251



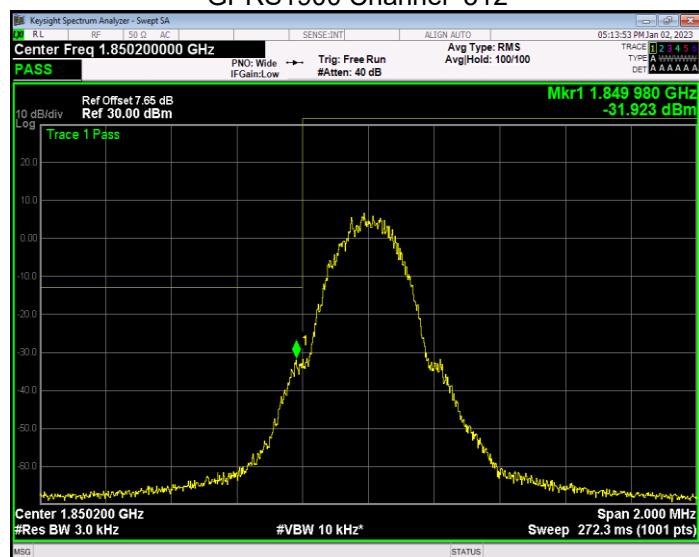
### EGPRS850 Channel=128



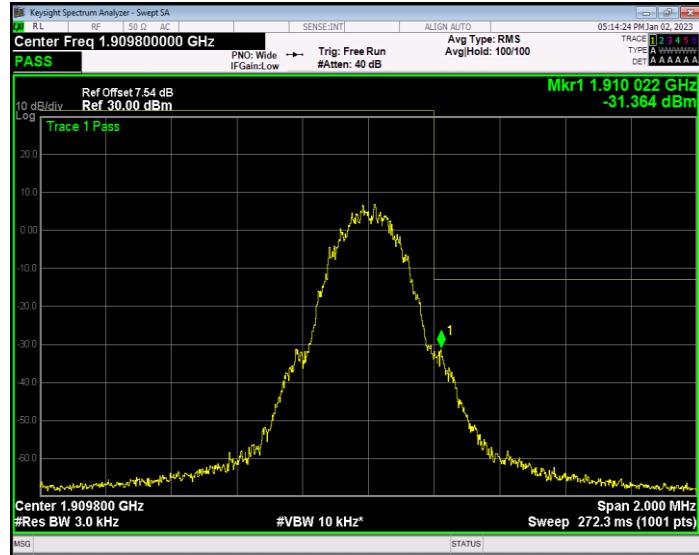
### EGPRS850 Channel=251



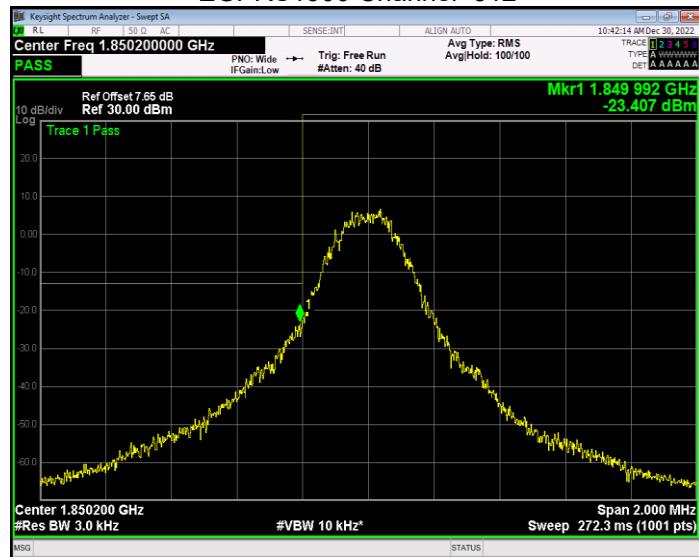
### GPRS1900 Channel=512



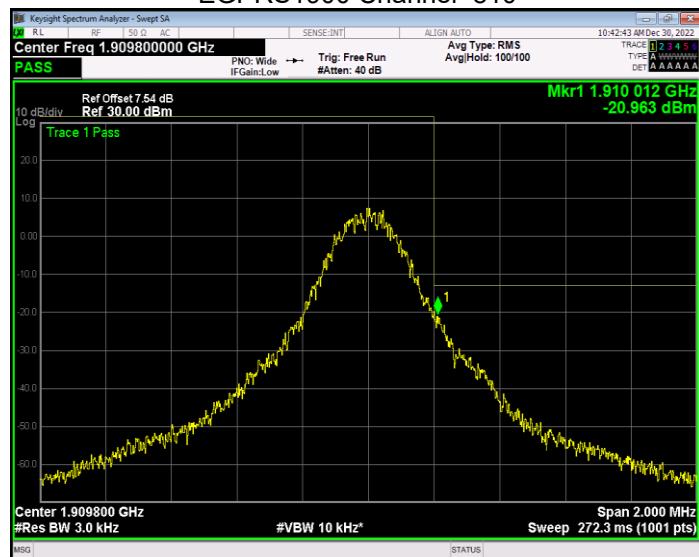
### GPRS1900 Channel=810



### EGPRS1900 Channel=512



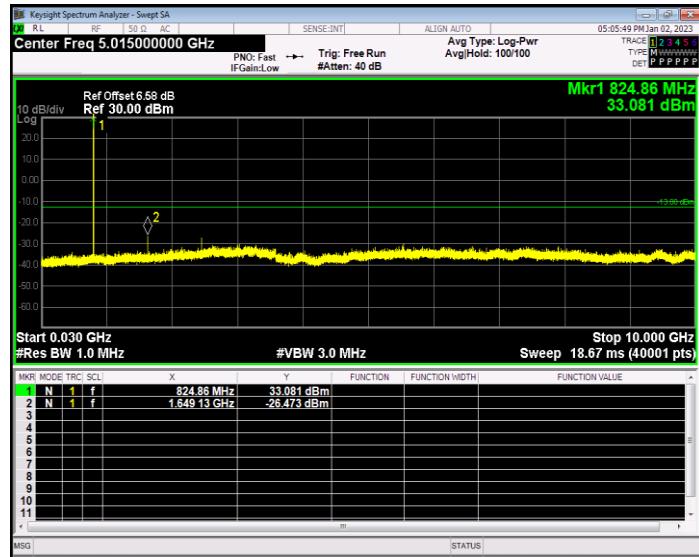
### EGPRS1900 Channel=810



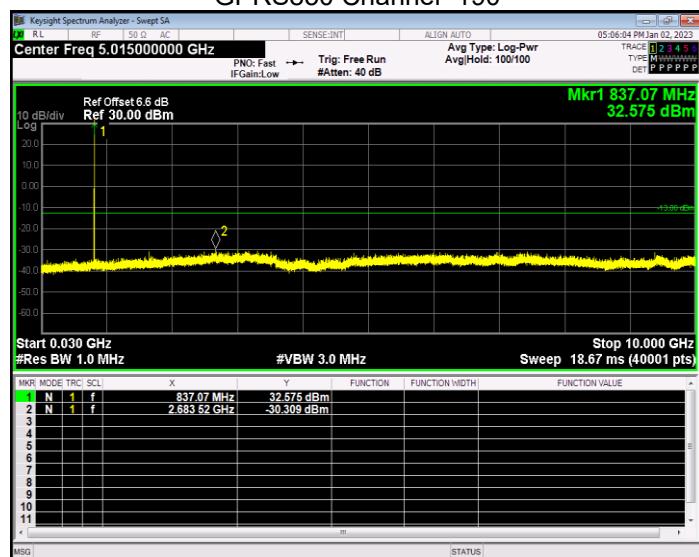
## OUT-OF-BAND EMISSIONS

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	1649.13	-26.47	-13	PASS
GPRS850	190	836.6	2683.52	-30.30	-13	PASS
GPRS850	251	848.8	1698.23	-24.92	-13	PASS
EGPRS850	128	824.2	2473.15	-26.58	-13	PASS
EGPRS850	190	836.6	2510.54	-24.88	-13	PASS
EGPRS850	251	848.8	2547.43	-28.81	-13	PASS
GPRS1900	512	1850.2	19500.75	-22.80	-13	PASS
GPRS1900	661	1880	19791.31	-22.70	-13	PASS
GPRS1900	810	1909.8	16410.39	-22.69	-13	PASS
EGPRS1900	512	1850.2	19926.11	-21.93	-13	PASS
EGPRS1900	661	1880	19966.05	-23.26	-13	PASS
EGPRS1900	810	1909.8	19645.03	-22.85	-13	PASS

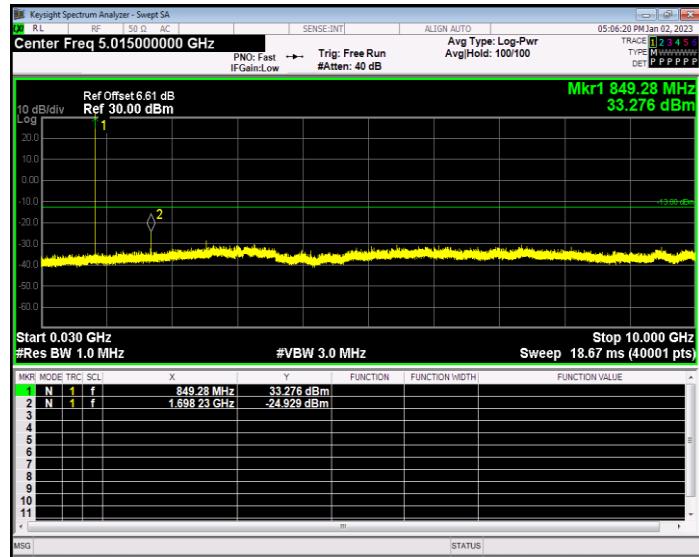
GPRS850 Channel=128



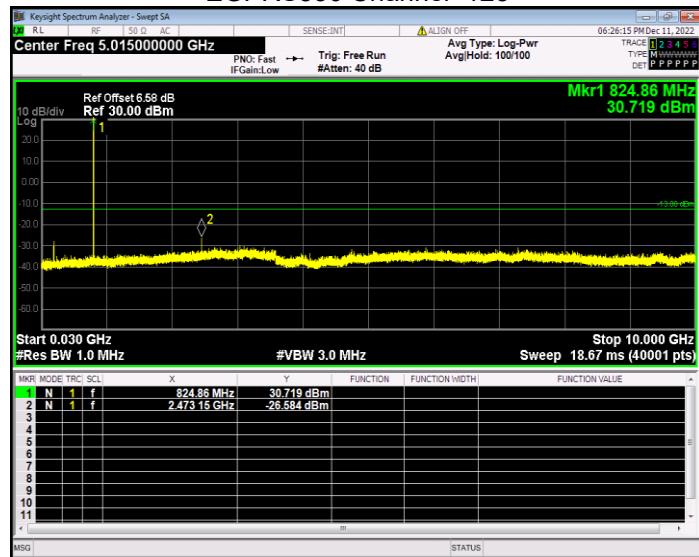
GPRS850 Channel=190



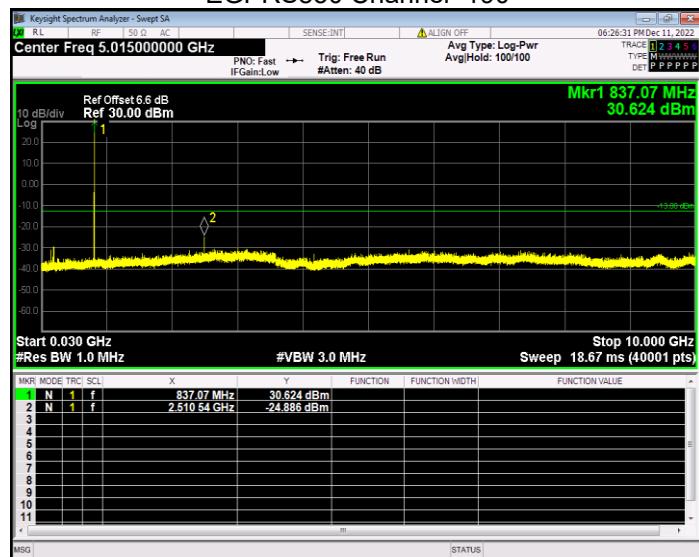
### GPRS850 Channel=251



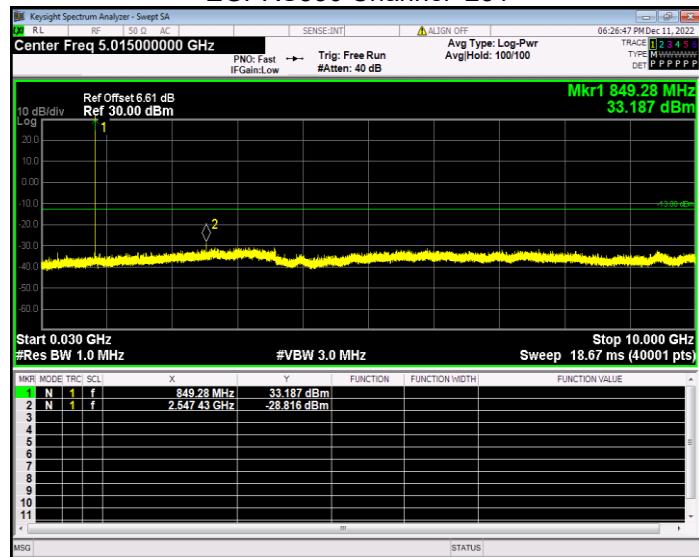
### EGPRS850 Channel=128



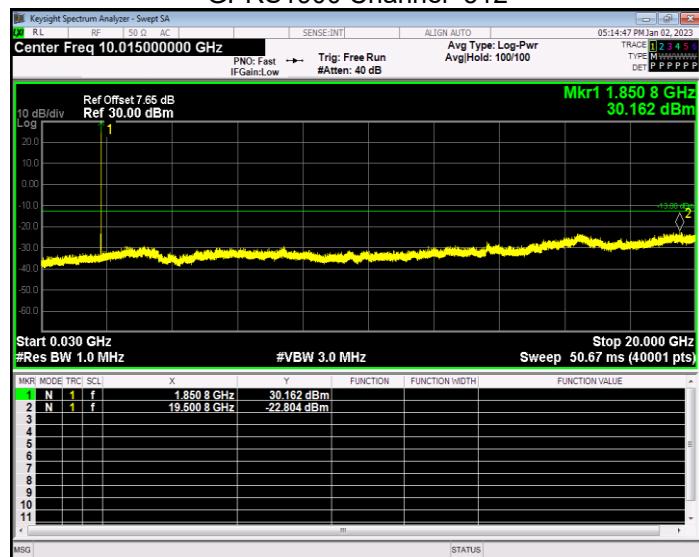
### EGPRS850 Channel=190



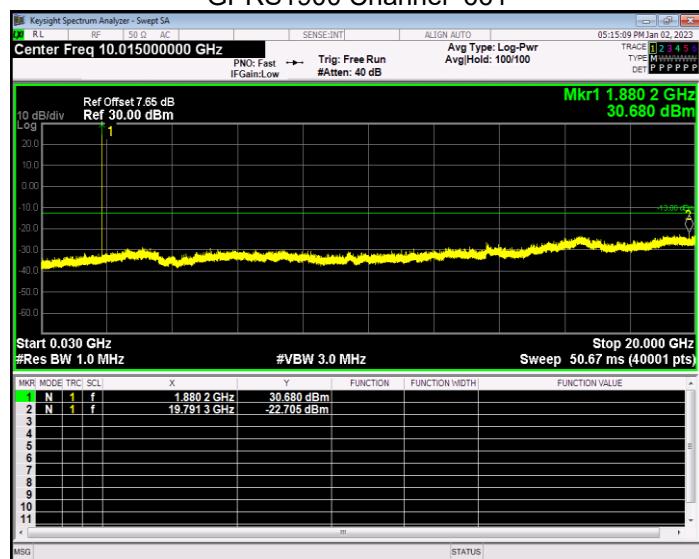
### EGPRS850 Channel=251



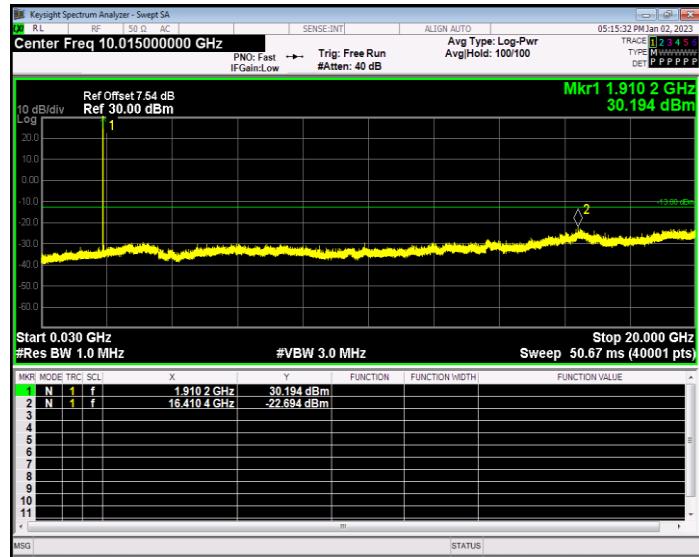
### GPRS1900 Channel=512



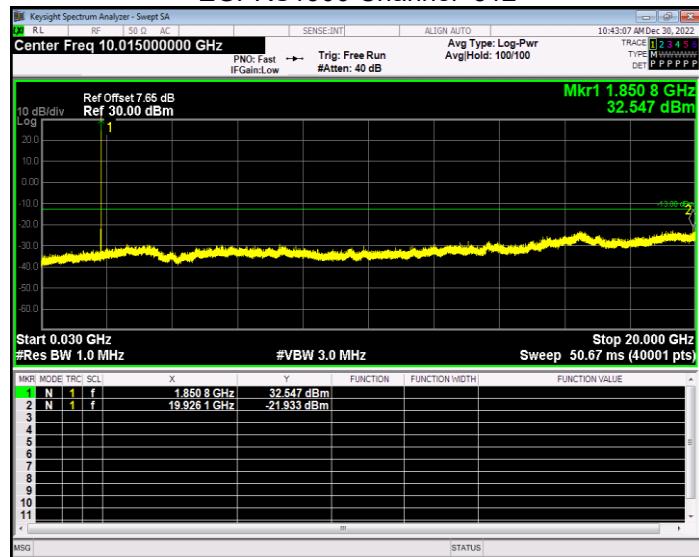
### GPRS1900 Channel=661



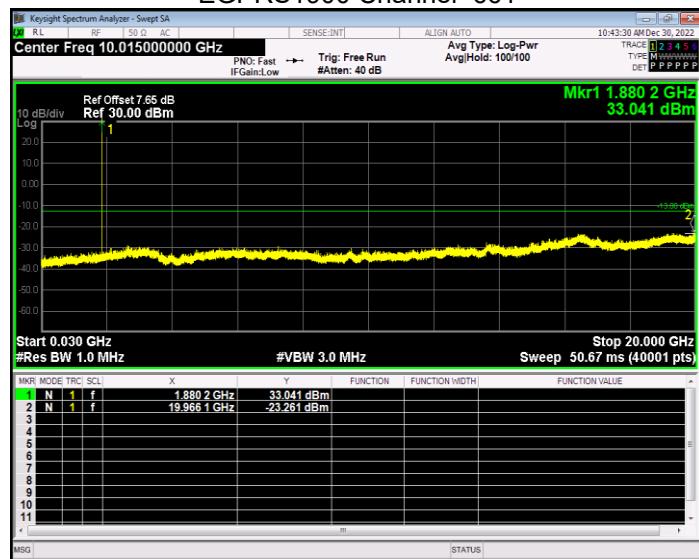
### GPRS1900 Channel=810



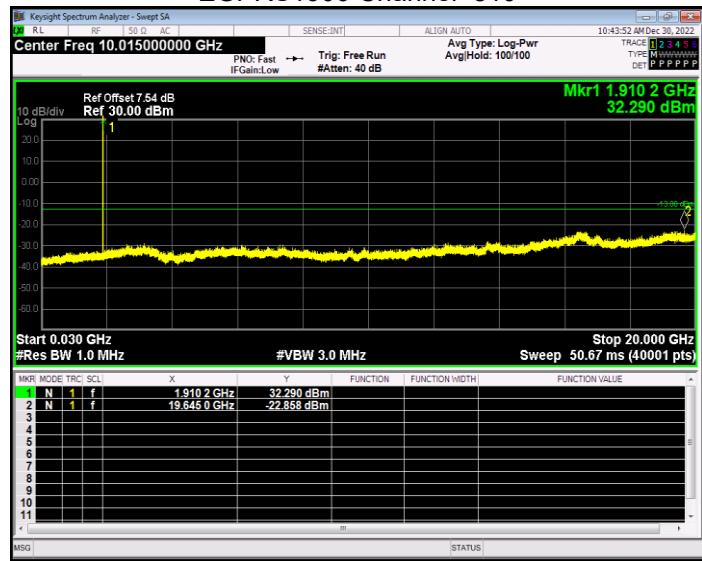
### EGPRS1900 Channel=512



### EGPRS1900 Channel=661

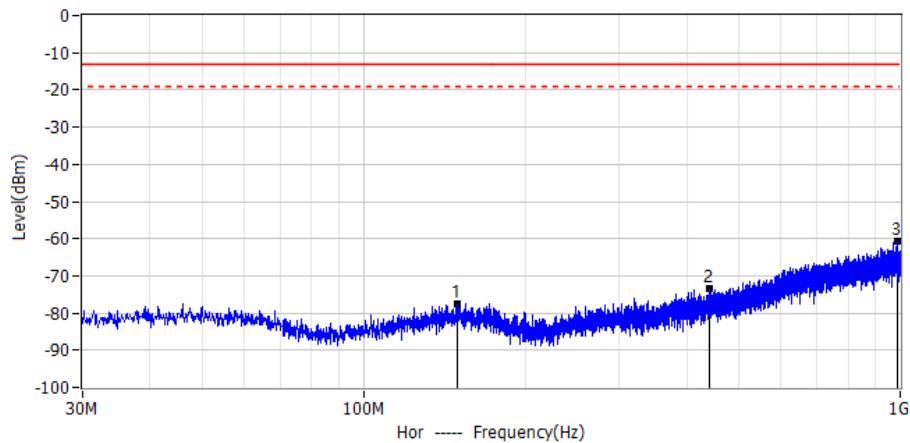


## EGPRS1900 Channel=810

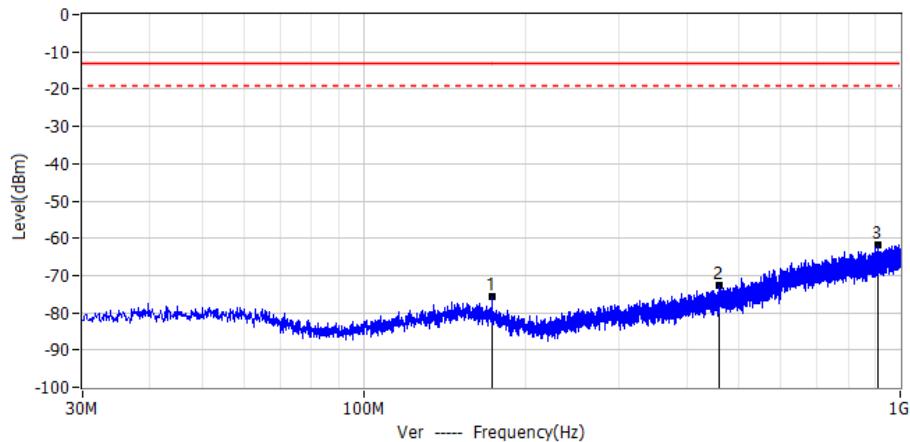


## RADIATED SPURIOUS EMISSION

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 850 Highest	
Note:	

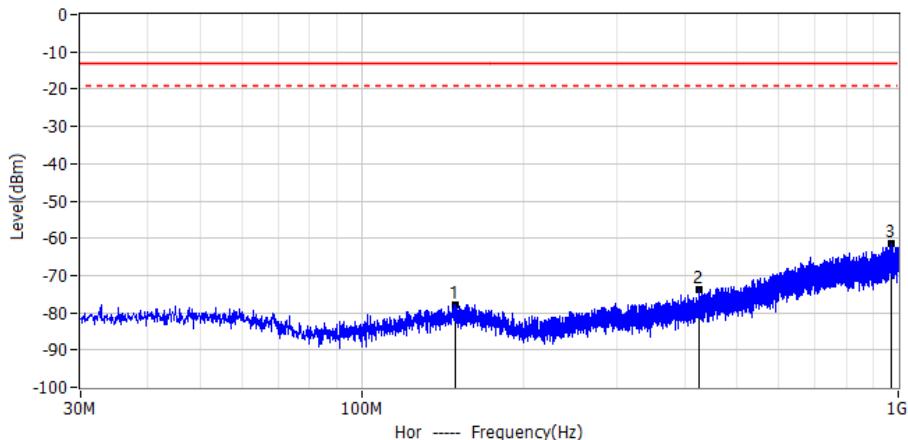


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	150.038MHz	-77.46	-13.00	-64.46	PK	Hor
2*	440.795MHz	-73.51	-13.00	-60.51	PK	Hor
3*	989.330MHz	-60.79	-13.00	-47.79	PK	Hor

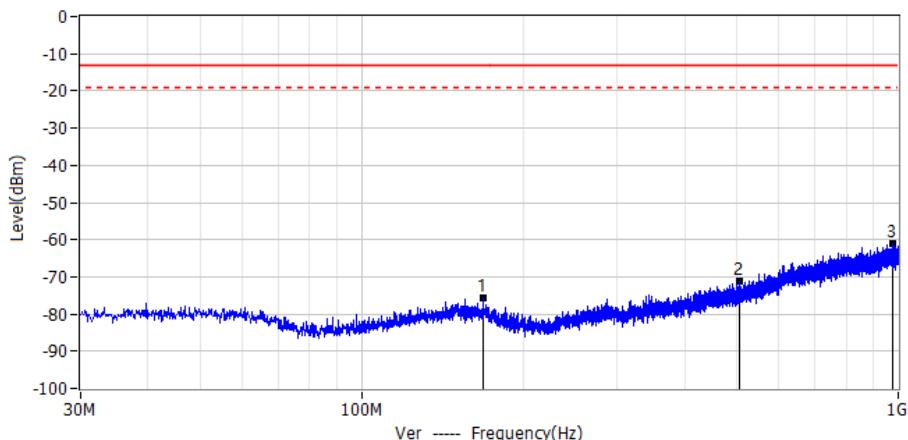


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	173.439MHz	-75.60	-13.00	-62.60	PK	Ver
2*	459.710MHz	-72.84	-13.00	-59.84	PK	Ver
3*	906.274MHz	-61.93	-13.00	-48.93	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 850 Lowest	
Note:	

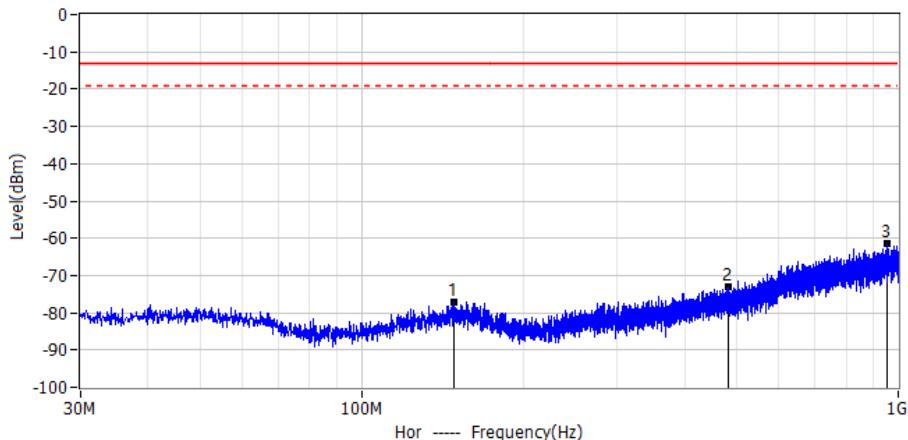


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	149.674MHz	-77.75	-13.00	-64.75	PK	Hor
2*	425.154MHz	-73.69	-13.00	-60.69	PK	Hor
3*	970.779MHz	-61.55	-13.00	-48.55	PK	Hor

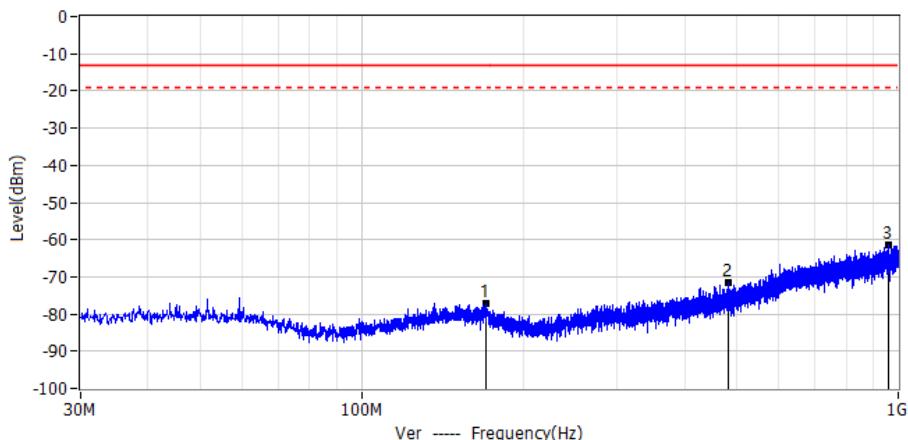


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	168.953MHz	-75.82	-13.00	-62.82	PK	Ver
2*	505.543MHz	-71.10	-13.00	-58.10	PK	Ver
3*	974.174MHz	-61.23	-13.00	-48.23	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 850 Middle	
Note:	

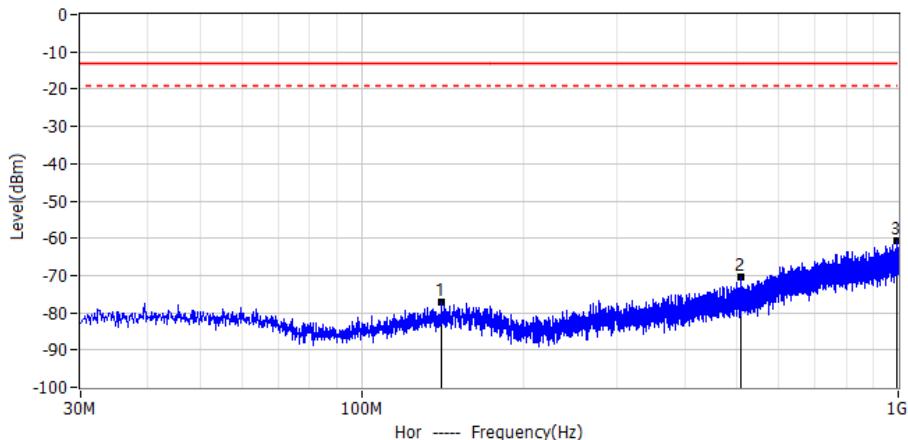


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	148.340MHz	-77.26	-13.00	-64.26	PK	Hor
2*	483.233MHz	-73.00	-13.00	-60.00	PK	Hor
3*	953.198MHz	-61.38	-13.00	-48.38	PK	Hor

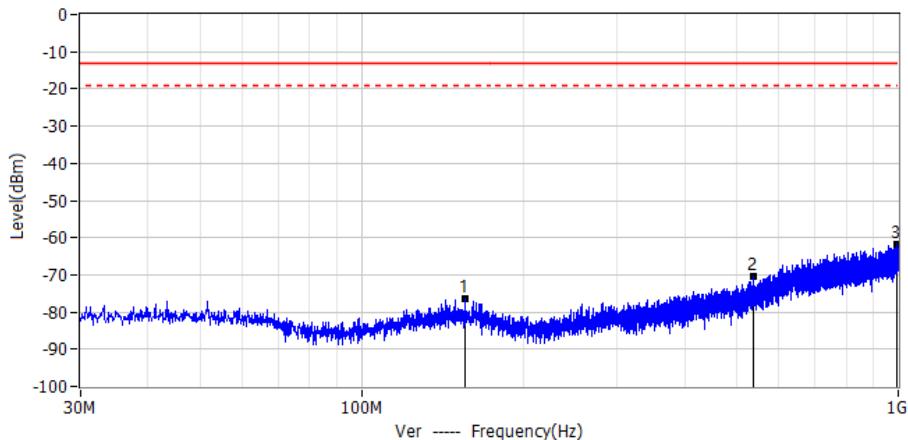


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	170.893MHz	-77.16	-13.00	-64.16	PK	Ver
2*	481.778MHz	-71.64	-13.00	-58.64	PK	Ver
3*	958.775MHz	-61.58	-13.00	-48.58	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 1900 Highest	
Note:	

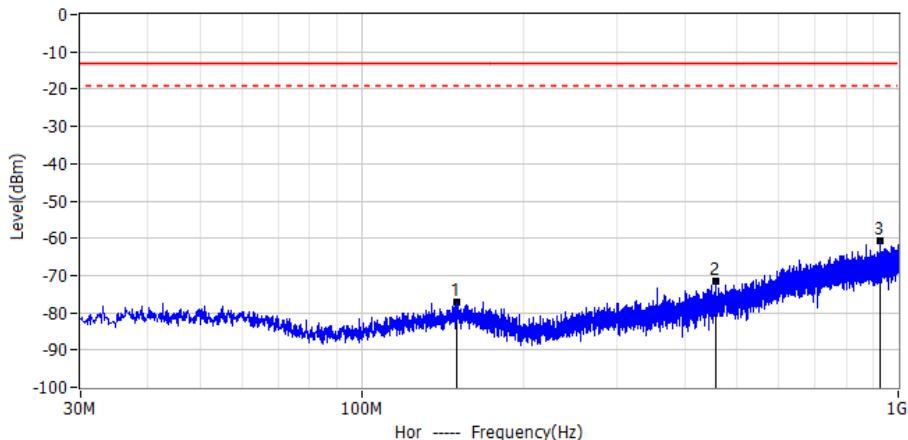


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	140.944MHz	-77.18	-13.00	-64.18	PK	Hor
2*	508.331MHz	-70.54	-13.00	-57.54	PK	Hor
3*	993.816MHz	-60.84	-13.00	-47.84	PK	Hor

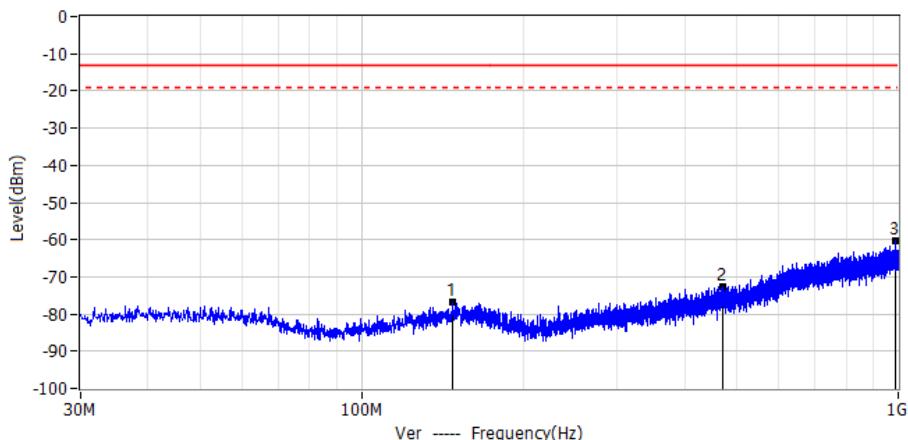


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	155.979MHz	-76.53	-13.00	-63.53	PK	Ver
2*	537.068MHz	-70.35	-13.00	-57.35	PK	Ver
3*	993.816MHz	-61.71	-13.00	-48.71	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 1900 Lowest	
Note:	

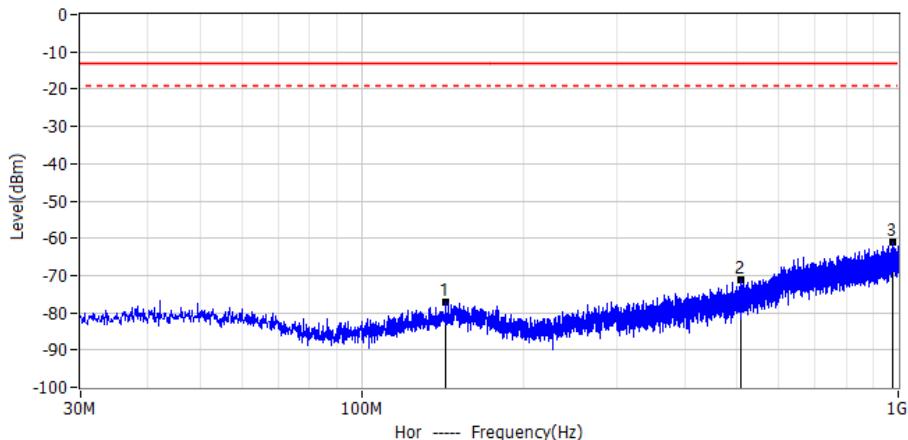


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	150.401MHz	-77.29	-13.00	-64.29	PK	Hor
2*	457.043MHz	-71.66	-13.00	-58.66	PK	Hor
3*	924.825MHz	-60.82	-13.00	-47.82	PK	Hor

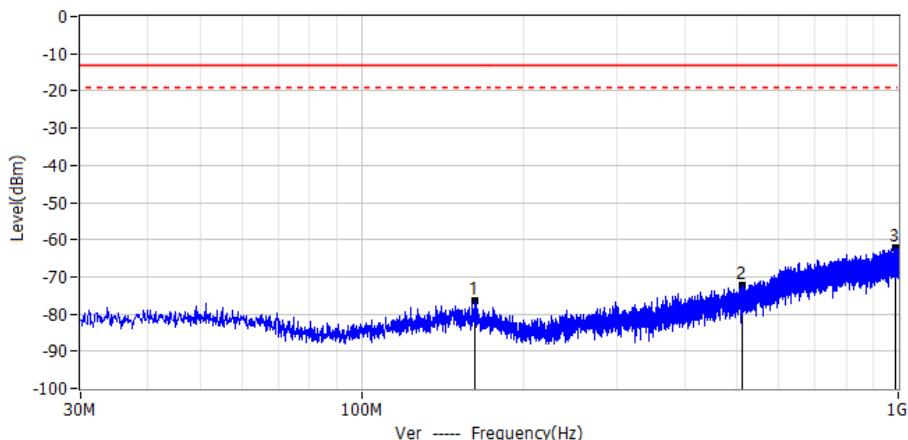


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	147.613MHz	-76.95	-13.00	-63.95	PK	Ver
2*	471.229MHz	-72.71	-13.00	-59.71	PK	Ver
3*	989.936MHz	-60.43	-13.00	-47.43	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: GSM 1900 Middle	
Note:	

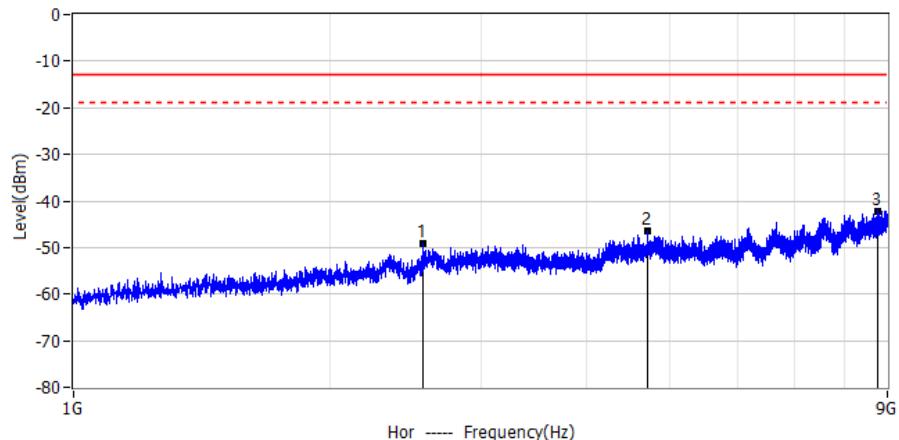


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	143.369MHz	-77.22	-13.00	-64.22	PK	Hor
2*	509.544MHz	-71.08	-13.00	-58.08	PK	Hor
3*	975.750MHz	-61.10	-13.00	-48.10	PK	Hor

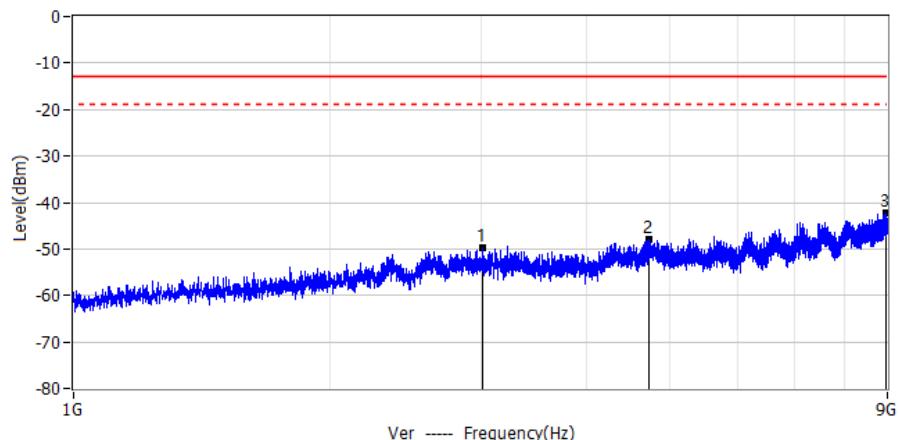


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	163.011MHz	-76.47	-13.00	-63.47	PK	Ver
2*	513.303MHz	-72.30	-13.00	-59.30	PK	Ver
3*	987.633MHz	-62.11	-13.00	-49.11	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 850 Highest	
Note:	

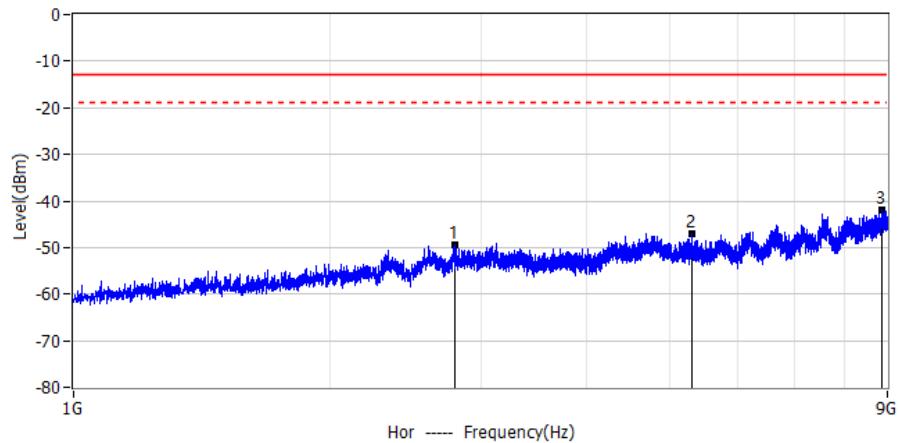


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	2.573GHz	-49.19	-13.00	-36.19	PK	Hor
2*	4.704GHz	-46.43	-13.00	-33.43	PK	Hor
3*	8.768GHz	-42.10	-13.00	-29.10	PK	Hor

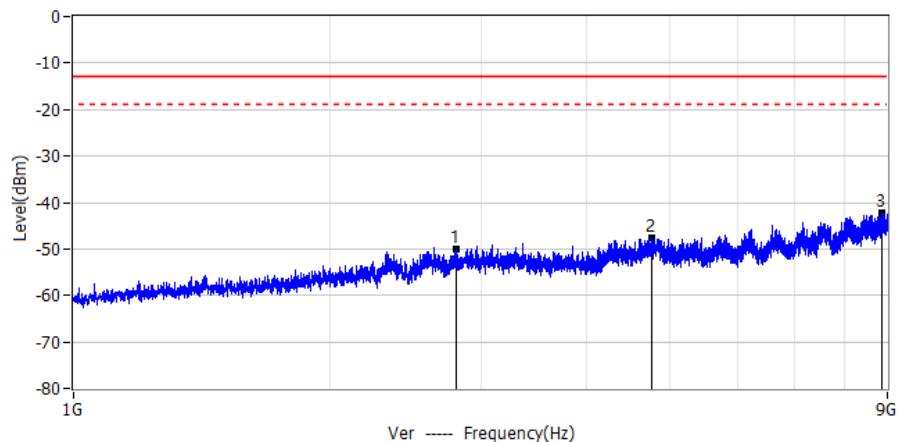


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.020GHz	-49.86	-13.00	-36.86	PK	Ver
2*	4.727GHz	-47.93	-13.00	-34.93	PK	Ver
3*	8.959GHz	-42.26	-13.00	-29.26	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 850 Lowest	
Note:	

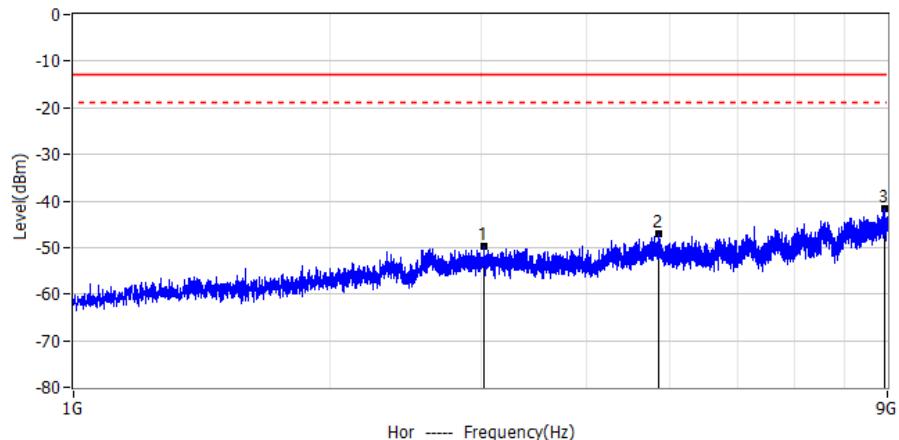


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	2.797GHz	-49.41	-13.00	-36.41	PK	Hor
2*	5.315GHz	-46.93	-13.00	-33.93	PK	Hor
3*	8.863GHz	-41.99	-13.00	-28.99	PK	Hor

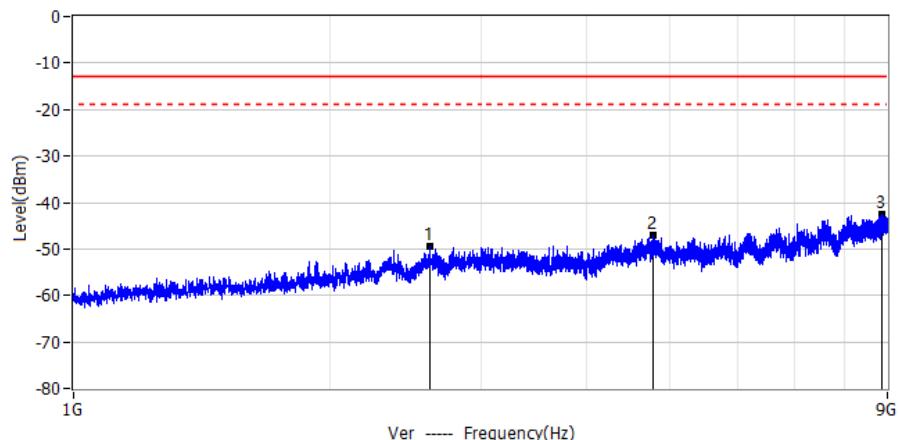


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	2.808GHz	-49.96	-13.00	-36.96	PK	Ver
2*	4.758GHz	-47.53	-13.00	-34.53	PK	Ver
3*	8.876GHz	-42.35	-13.00	-29.35	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 850 Middle	
Note:	

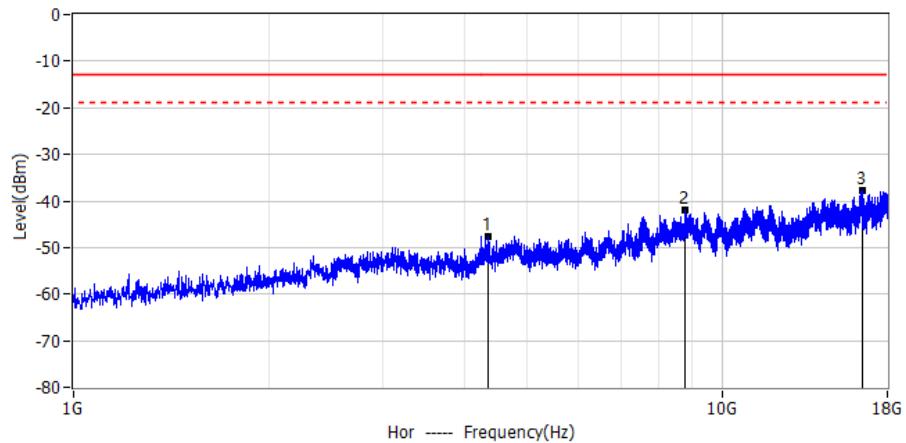


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.030GHz	-49.70	-13.00	-36.70	PK	Hor
2*	4.845GHz	-46.90	-13.00	-33.90	PK	Hor
3*	8.923GHz	-41.52	-13.00	-28.52	PK	Hor

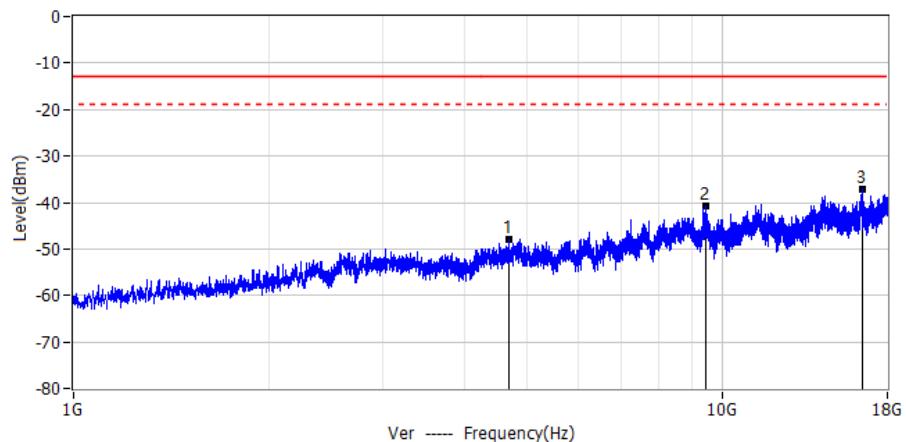


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	2.612GHz	-49.31	-13.00	-36.31	PK	Ver
2*	4.784GHz	-46.91	-13.00	-33.91	PK	Ver
3*	8.869GHz	-42.51	-13.00	-29.51	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 1900 Highest	
Note:	

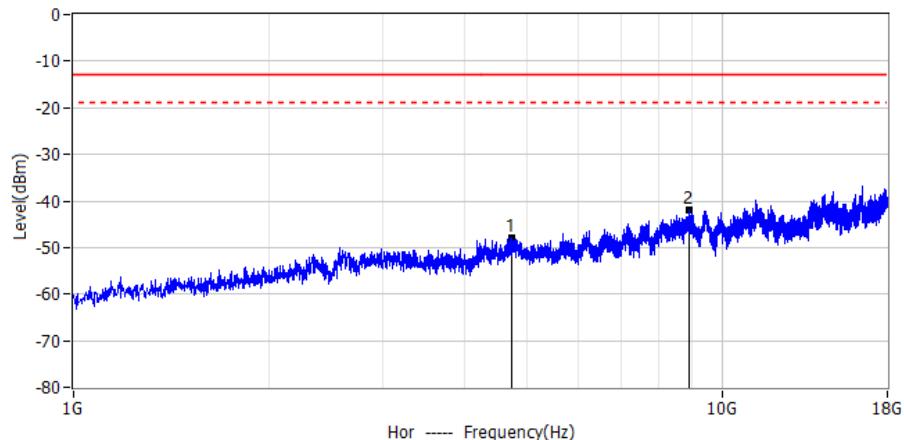


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.366GHz	-47.58	-13.00	-34.58	PK	Hor
2*	8.750GHz	-41.95	-13.00	-28.95	PK	Hor
3*	16.449GHz	-37.83	-13.00	-24.83	PK	Hor

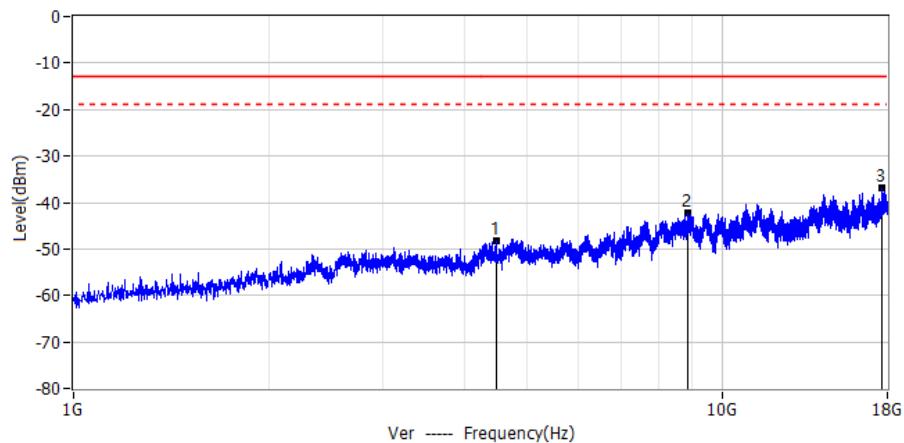


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.704GHz	-47.87	-13.00	-34.87	PK	Ver
2*	9.430GHz	-40.61	-13.00	-27.61	PK	Ver
3*	16.462GHz	-37.03	-13.00	-24.03	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 1900 Lowest	
Note:	

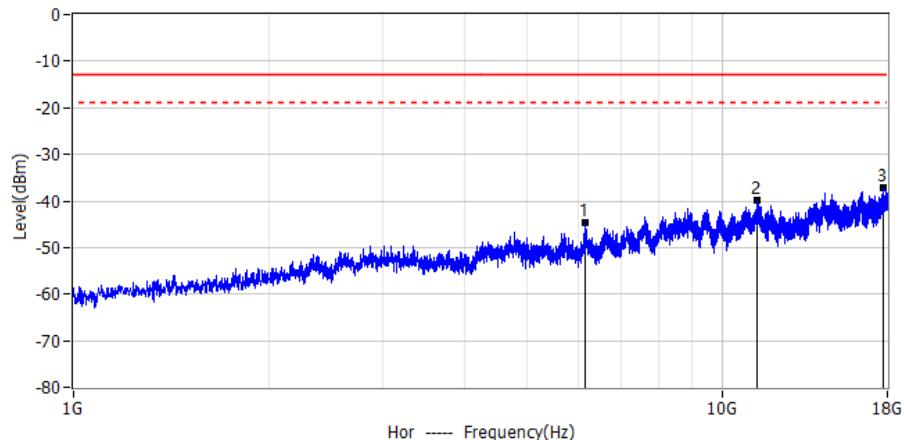


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.744GHz	-47.83	-13.00	-34.83	PK	Hor
2*	8.922GHz	-41.92	-13.00	-28.92	PK	Hor

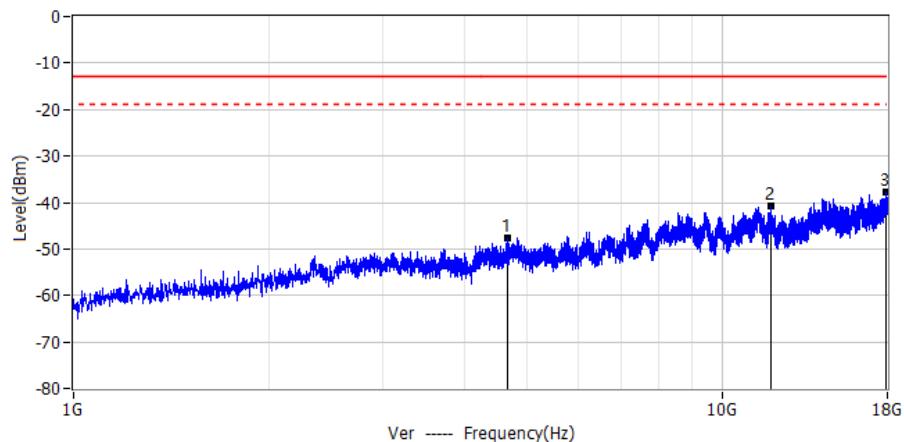


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.481GHz	-48.11	-13.00	-35.11	PK	Ver
2*	8.875GHz	-42.35	-13.00	-29.35	PK	Ver
3*	17.660GHz	-36.92	-13.00	-23.92	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: GSM 1900 Middle	
Note:	



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	6.143GHz	-44.73	-13.00	-31.73	PK	Hor
2*	11.342GHz	-39.79	-13.00	-26.79	PK	Hor
3*	17.730GHz	-37.14	-13.00	-24.14	PK	Hor



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	4.661GHz	-47.65	-13.00	-34.65	PK	Ver
2*	11.925GHz	-40.71	-13.00	-27.71	PK	Ver
3*	17.913GHz	-37.79	-13.00	-24.79	PK	Ver

## CONDUCTED OUTPUT POWER

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
WCDMA Band5	4132	826.4	23.16	-0.66	22.5	33	PASS
WCDMA Band5	4182	836.4	23.22	-0.66	22.56	33	PASS
WCDMA Band5	4233	846.6	23.3	-0.66	22.64	33	PASS
HSDPA Band5 Subtest1	4132	826.4	22.17	-0.66	21.51	33	PASS
HSDPA Band5 Subtest2	4132	826.4	21.79	-0.66	21.13	33	PASS
HSDPA Band5 Subtest3	4132	826.4	20.28	-0.66	19.62	33	PASS
HSDPA Band5 Subtest4	4132	826.4	20.71	-0.66	20.05	33	PASS
HSDPA Band5 Subtest1	4182	836.4	22.23	-0.66	21.57	33	PASS
HSDPA Band5 Subtest2	4182	836.4	21.86	-0.66	21.2	33	PASS
HSDPA Band5 Subtest3	4182	836.4	20.75	-0.66	20.09	33	PASS
HSDPA Band5 Subtest4	4182	836.4	20.39	-0.66	19.73	33	PASS
HSDPA Band5 Subtest1	4233	846.6	22.3	-0.66	21.64	33	PASS
HSDPA Band5 Subtest2	4233	846.6	21.76	-0.66	21.1	33	PASS
HSDPA Band5 Subtest3	4233	846.6	20.51	-0.66	19.85	33	PASS
HSDPA Band5 Subtest4	4233	846.6	20.81	-0.66	20.15	33	PASS
HSUPA Band5 Subtest1	4132	826.4	21.16	-0.66	20.5	33	PASS
HSUPA Band5 Subtest2	4132	826.4	22.07	-0.66	21.41	33	PASS
HSUPA Band5 Subtest3	4132	826.4	20.23	-0.66	19.57	33	PASS
HSUPA Band5 Subtest4	4132	826.4	22.18	-0.66	21.52	33	PASS
HSUPA Band5 Subtest5	4132	826.4	20.38	-0.66	19.72	33	PASS
HSUPA Band5 Subtest1	4182	836.4	22.07	-0.66	21.41	33	PASS
HSUPA Band5 Subtest2	4182	836.4	22.09	-0.66	21.43	33	PASS
HSUPA Band5 Subtest3	4182	836.4	20.95	-0.66	20.29	33	PASS
HSUPA Band5 Subtest4	4182	836.4	22.23	-0.66	21.57	33	PASS
HSUPA Band5 Subtest5	4182	836.4	21.35	-0.66	20.69	33	PASS
HSUPA Band5 Subtest1	4233	846.6	22.11	-0.66	21.45	33	PASS
HSUPA Band5 Subtest2	4233	846.6	22.26	-0.66	21.6	33	PASS
HSUPA Band5 Subtest3	4233	846.6	21	-0.66	20.34	33	PASS
HSUPA Band5 Subtest4	4233	846.6	22.32	-0.66	21.66	33	PASS

HSUPA Band5 Subtest5	4233	846.6	21.46	-0.66	20.8	33	PASS
-------------------------	------	-------	-------	-------	------	----	------

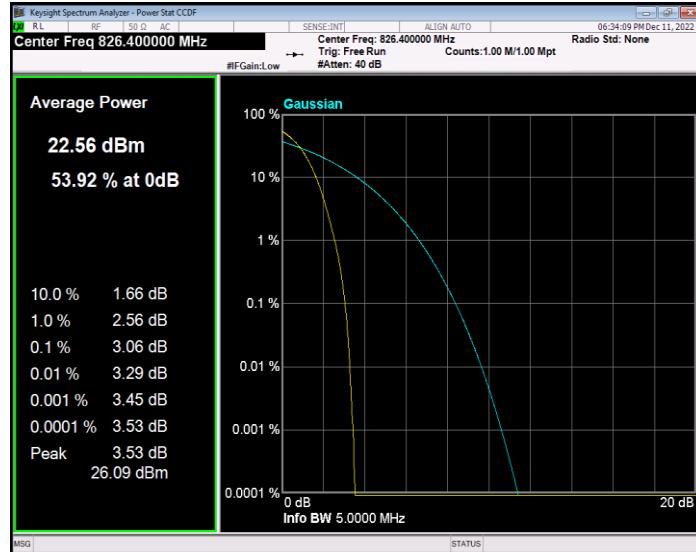
## FREQUENCY STABILITY

Band	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
WCDMA Band5	4132	826.4	-3.89	-0.005	-2.5	2.5	PASS
WCDMA Band5	4182	836.4	-3.33	-0.004	-2.5	2.5	PASS
WCDMA Band5	4233	846.6	-2.88	-0.003	-2.5	2.5	PASS

## PEAK-TO-AVERAGE RATIO

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
WCDMA Band5	4132	826.4	3.06	13	PASS
WCDMA Band5	4182	836.4	2.96	13	PASS
WCDMA Band5	4233	846.6	3.03	13	PASS

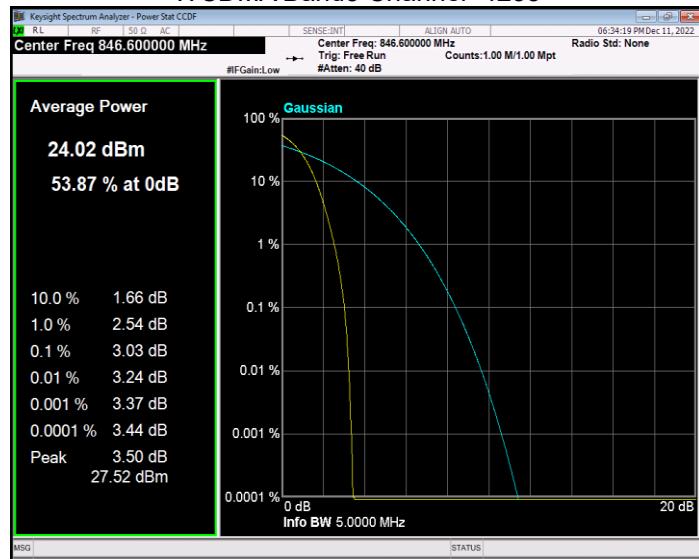
WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182



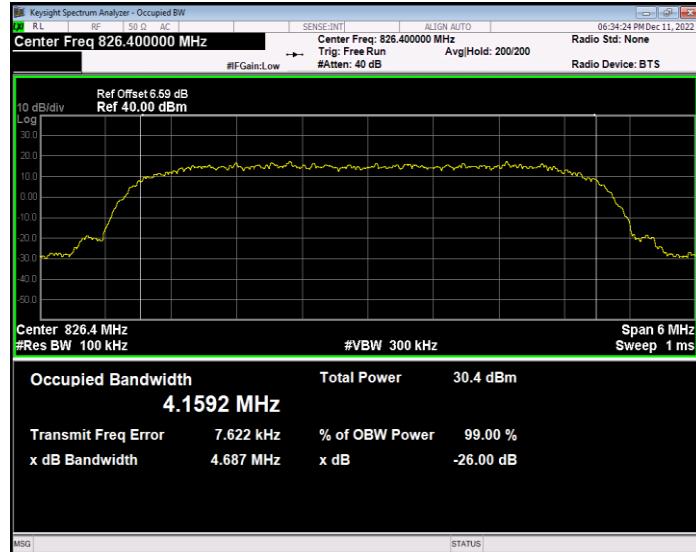
### WCDMA Band5 Channel=4233



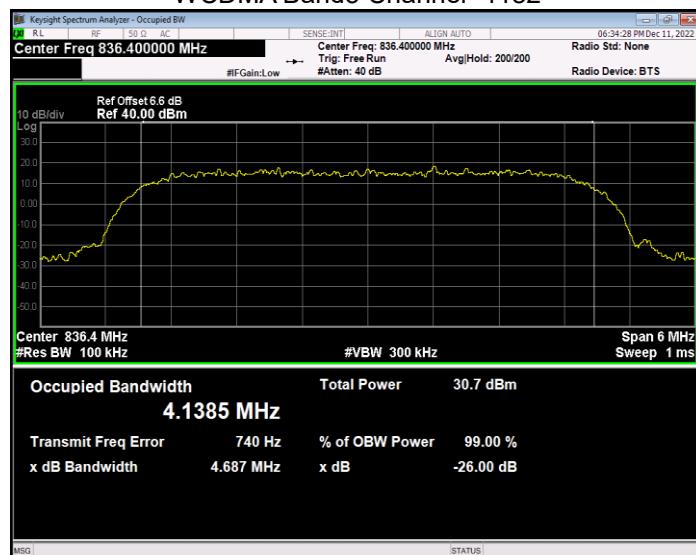
## OCCUPIED BANDWIDTH

Band	Channel	Frequency (MHz)	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
WCDMA Band5	4132	826.4	4.159	4.687	PASS
WCDMA Band5	4182	836.4	4.139	4.687	PASS
WCDMA Band5	4233	846.6	4.169	4.695	PASS

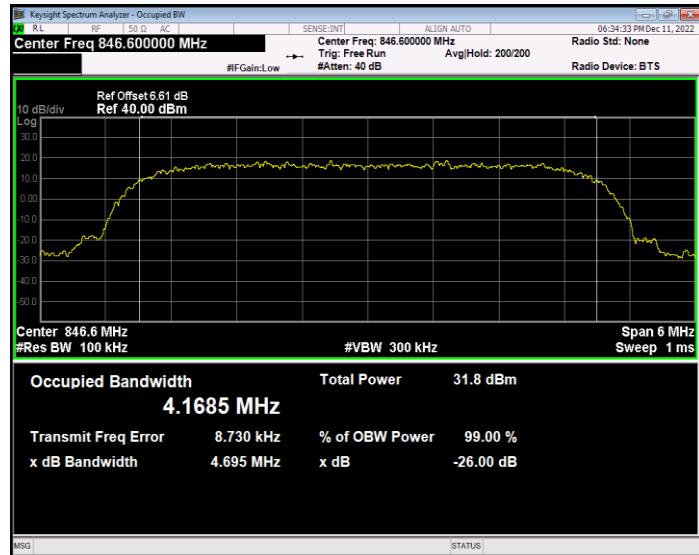
### WCDMA Band5 Channel=4132



### WCDMA Band5 Channel=4182



### WCDMA Band5 Channel=4233



## BAND EDGE

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band5	4132	826.4	824.00	-24.10	-13	PASS
WCDMA Band5	4233	846.6	849.00	-22.94	-13	PASS

WCDMA Band5 Channel=4132



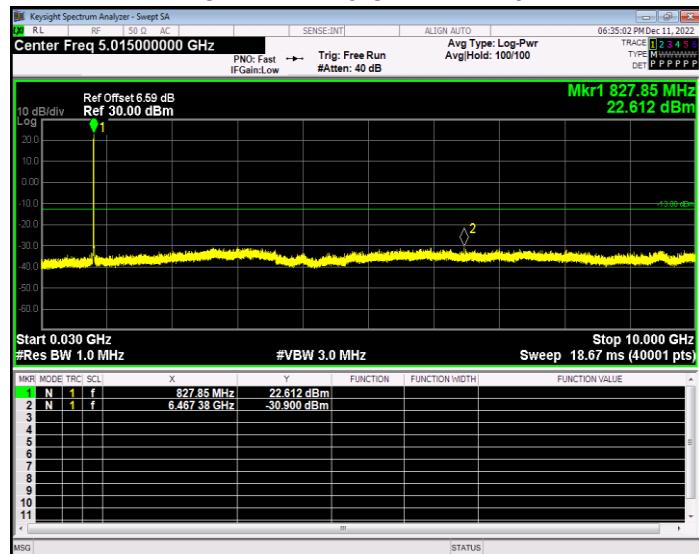
WCDMA Band5 Channel=4233



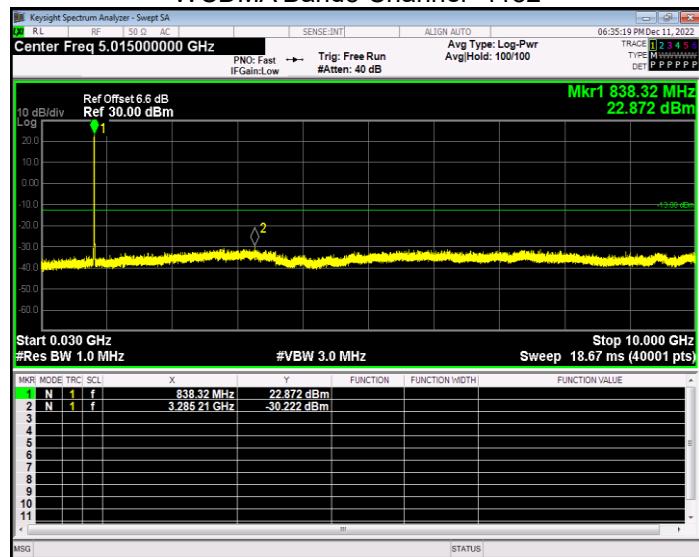
## OUT-OF-BAND EMISSIONS

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band5	4132	826.4	6467.38	-30.90	-13	PASS
WCDMA Band5	4182	836.4	3285.21	-30.22	-13	PASS
WCDMA Band5	4233	846.6	3176.28	-30.15	-13	PASS

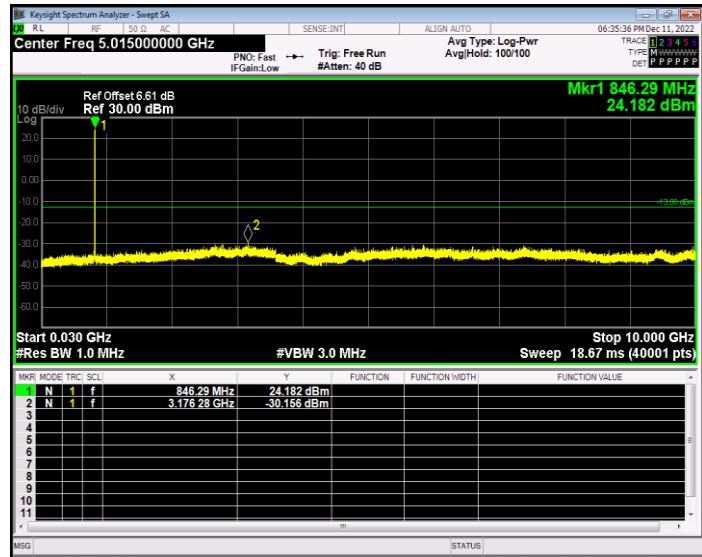
WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182

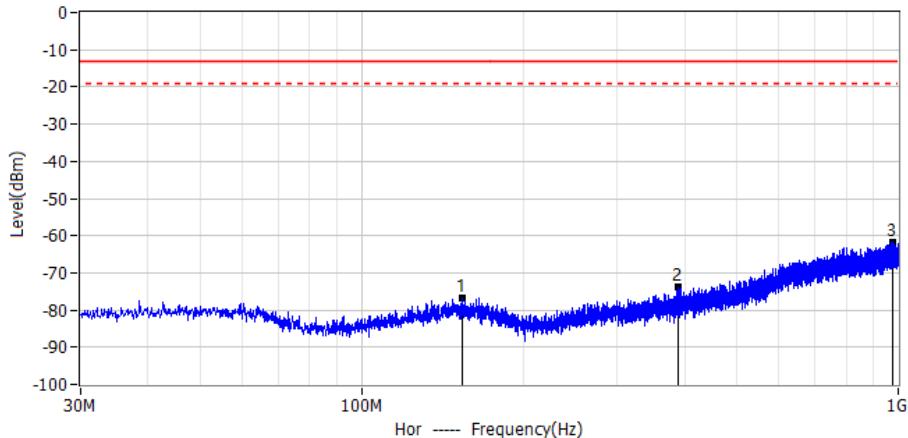


### WCDMA Band5 Channel=4233

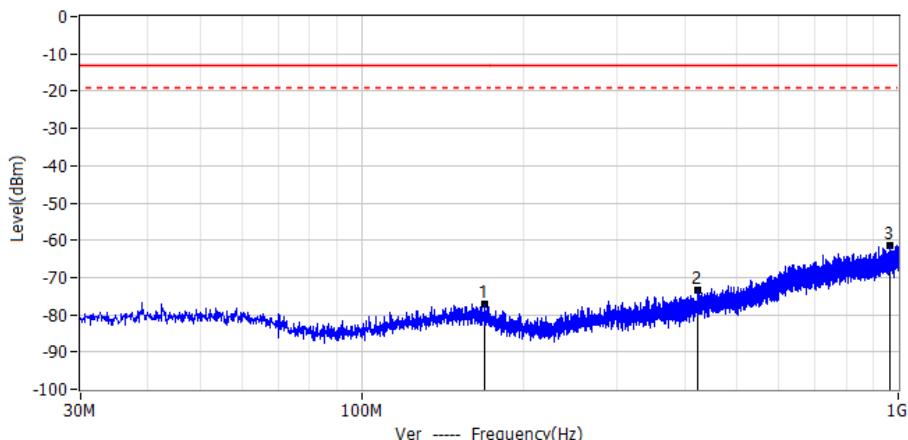


## RADIATED SPURIOUS EMISSION

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: WCDMA Band 5 Highest	
Note:	

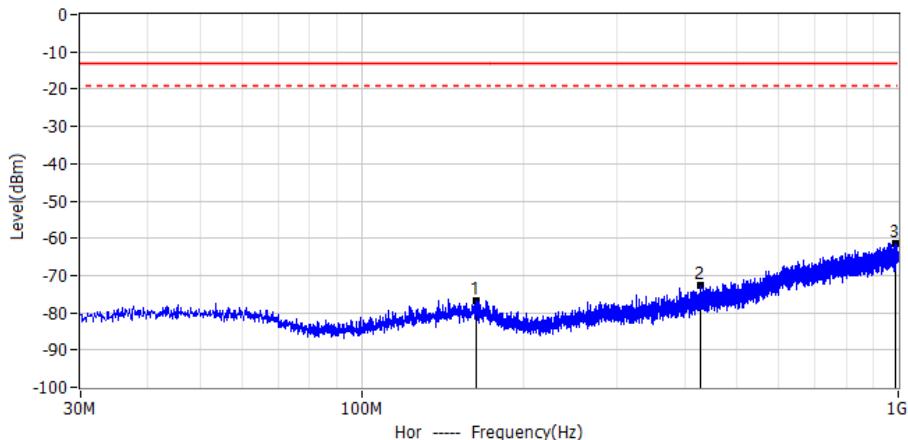


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	154.281MHz	-76.90	-13.00	-63.90	PK	Hor
2*	389.143MHz	-73.76	-13.00	-60.76	PK	Hor
3*	978.903MHz	-61.89	-13.00	-48.89	PK	Hor

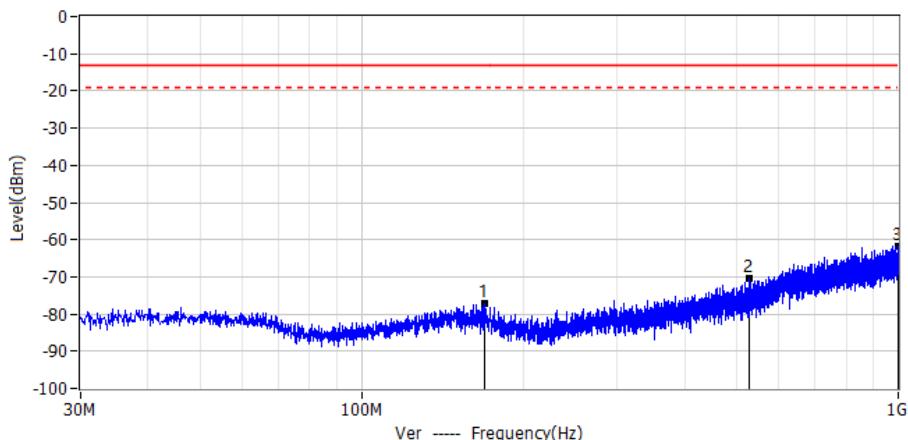


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	169.559MHz	-77.17	-13.00	-64.17	PK	Ver
2*	424.063MHz	-73.53	-13.00	-60.53	PK	Ver
3*	964.110MHz	-61.31	-13.00	-48.31	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: WCDMA Band 5 Lowest	
Note:	

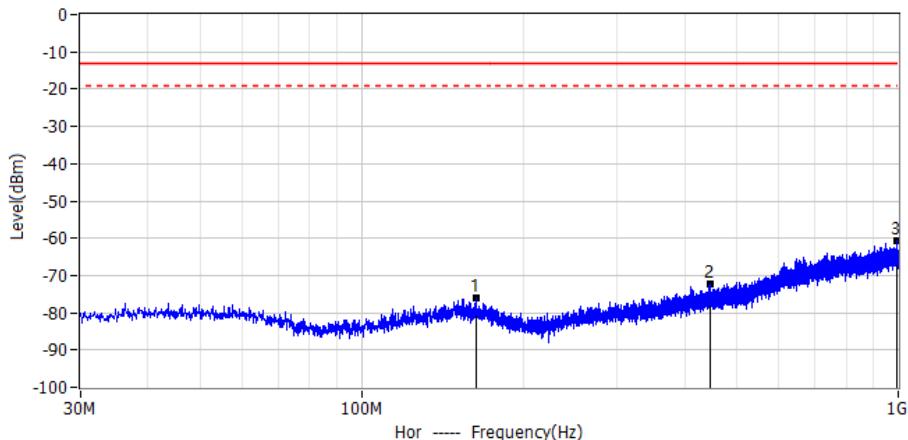


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	163.496MHz	-76.86	-13.00	-63.86	PK	Hor
2*	428.670MHz	-72.71	-13.00	-59.71	PK	Hor
3*	990.421MHz	-61.36	-13.00	-48.36	PK	Hor

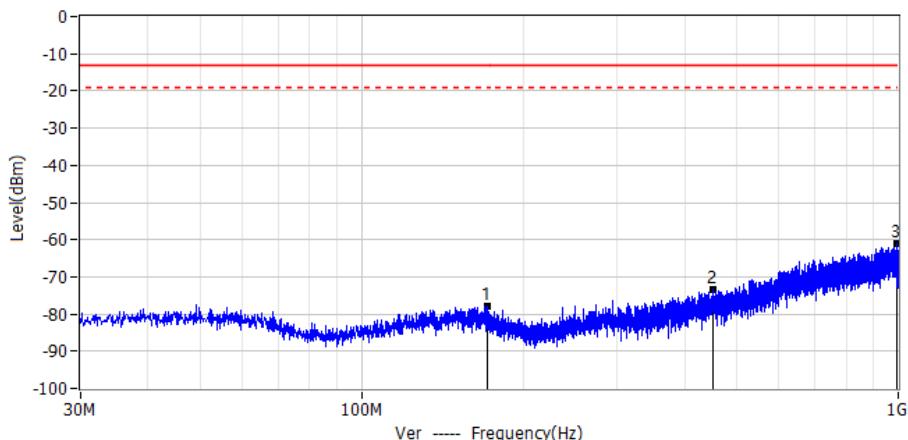


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	169.195MHz	-77.03	-13.00	-64.03	PK	Ver
2*	529.065MHz	-70.59	-13.00	-57.59	PK	Ver
3*	998.545MHz	-61.71	-13.00	-48.71	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 22.1°C
M/N: T2	Humidity: 47%RH
Test Voltage: DC 12V	Test Data: 2023-01-07
Test Mode: WCDMA Band 5 Middle	
Note:	

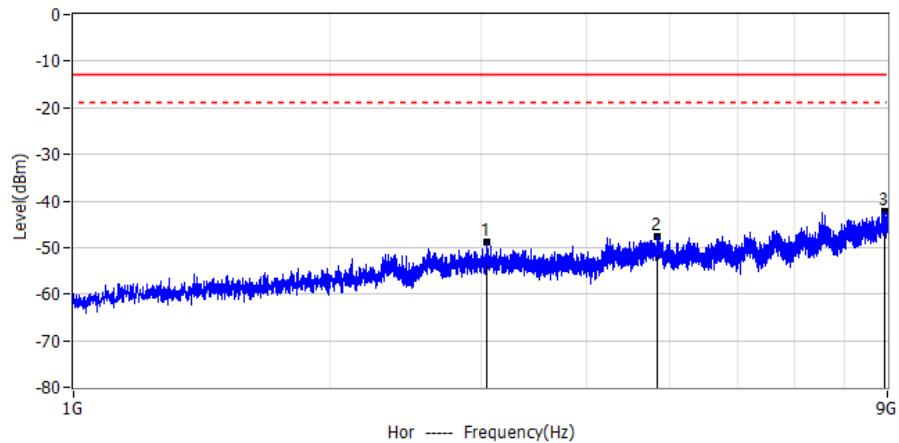


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	163.496MHz	-76.14	-13.00	-63.14	PK	Hor
2*	446.009MHz	-72.34	-13.00	-59.34	PK	Hor
3*	993.453MHz	-60.51	-13.00	-47.51	PK	Hor

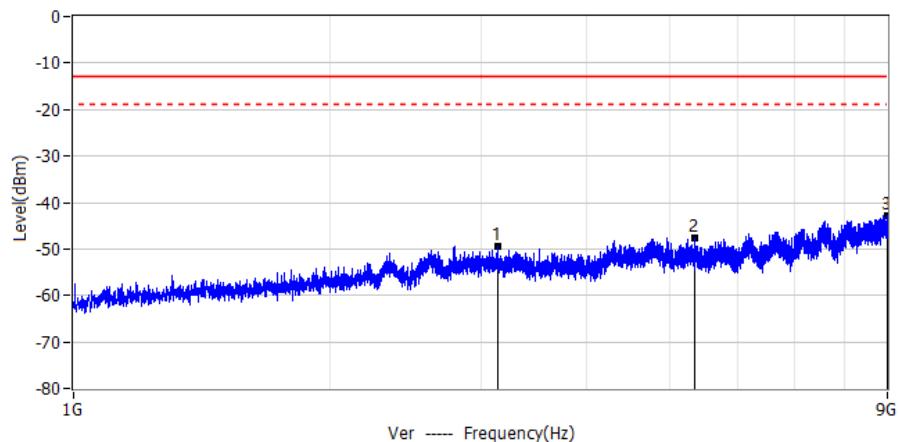


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	172.105MHz	-77.96	-13.00	-64.96	PK	Ver
2*	452.678MHz	-73.51	-13.00	-60.51	PK	Ver
3*	991.270MHz	-61.13	-13.00	-48.13	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: WCDMA Band 5 Highest	
Note:	

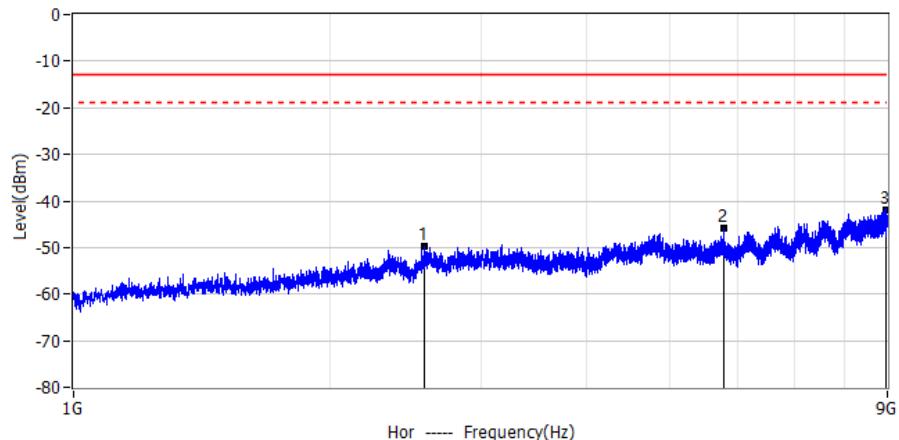


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.046GHz	-48.89	-13.00	-35.89	PK	Hor
2*	4.843GHz	-47.56	-13.00	-34.56	PK	Hor
3*	8.920GHz	-42.13	-13.00	-29.13	PK	Hor

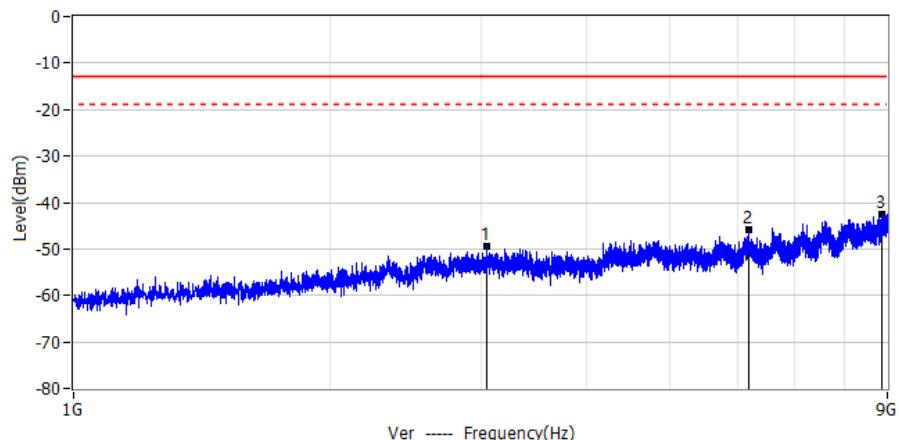


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.138GHz	-49.52	-13.00	-36.52	PK	Ver
2*	5.348GHz	-47.52	-13.00	-34.52	PK	Ver
3*	8.986GHz	-42.80	-13.00	-29.80	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: WCDMA Band 5 Lowest	
Note:	

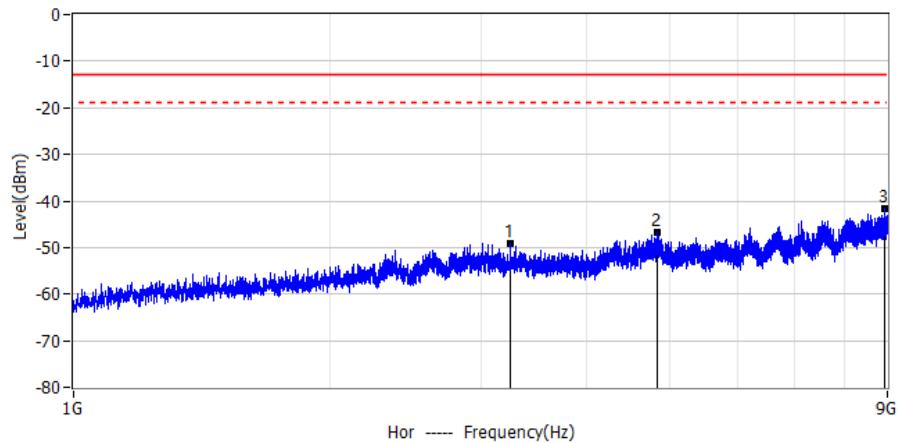


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	2.581GHz	-49.82	-13.00	-36.82	PK	Hor
2*	5.795GHz	-45.78	-13.00	-32.78	PK	Hor
3*	8.972GHz	-41.80	-13.00	-28.80	PK	Hor

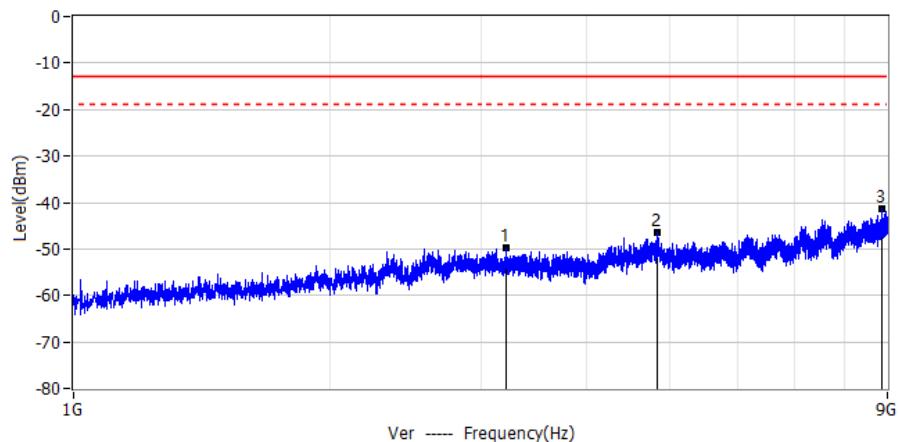


No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.051GHz	-49.51	-13.00	-36.51	PK	Ver
2*	6.182GHz	-45.99	-13.00	-32.99	PK	Ver
3*	8.877GHz	-42.48	-13.00	-29.48	PK	Ver

Project: LGT22K057	Test Engineer: Dylan.shi
EUT: dash camera	Temperature: 21°C
M/N: T2	Humidity: 52%RH
Test Voltage: DC 12V	Test Data: 2023-01-05
Test Mode: WCDMA Band 5 Middle	
Note:	



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.254GHz	-49.09	-13.00	-36.09	PK	Hor
2*	4.829GHz	-46.76	-13.00	-33.76	PK	Hor
3*	8.918GHz	-41.74	-13.00	-28.74	PK	Hor



No.	Frequency	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	3.210GHz	-49.60	-13.00	-36.60	PK	Ver
2*	4.827GHz	-46.41	-13.00	-33.41	PK	Ver
3*	8.873GHz	-41.28	-13.00	-28.28	PK	Ver

## APPENDIX II- PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※