



RF TEST REPORT

Report No.: SET2021-12671

Product Name: Mason Smartphone

FCC ID: 2AJZP-D215PRO

Model No. : D215 Pro

Applicant: Mason America, Inc.

Address: 2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316

Dates of Testing: 09/10/2021 —09/22/2021

Issued by: CCIC Southern Testing Co., Ltd.

Lab Location: Electronic Testing Building, No. 43 Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China.

Tel: 86 755 26627338 **Fax:** 86 755 26627238

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Test Report

Product.....: Mason Smartphone

Brand Name.....: MASON

Trade Name.....:  

Applicant.....: Mason America, Inc.

Applicant Address.....: 2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316

Manufacturer.....: Mason America, Inc.

Manufacturer Address.....: 2101 4TH AVE STE 1550 SEATTLE, WA 98121-2316

Test Standards.....: 47 CFR FCC Part 2/22/24/27

Test Result.....: PASS

Tested by.....:



2021.09.23

Sun, Test Engineer

Reviewed by.....:



2021.09.23

Chris You, Senior Engineer

Approved by.....:



2021.09.23

Shuangwen Zhang, Manager



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Change History		
Issue	Date	Reason for change
1.0	2021.09.23	First edition

1. GENERAL INFORMATION

1.1 EUT Description

EUT Type	Mason Smartphone
EUT supports Radios application	GSM/GPRS/EDGE/WCDMA/HSPA
Multi Slot Class	GPRS: Multi slot Class12, EGPRS: Multi slot Class12
Test Band Frequency Range	GPRS 850MHz: Tx: 824.2 - 848.8MHz (at intervals of 200kHz); Rx: 869.2 - 893.8MHz (at intervals of 200kHz) GPRS 1900MHz: Tx: 1850.2 - 1909.8MHz (at intervals of 200kHz); Rx: 1930.2 - 1989.8MHz (at intervals of 200kHz) WCDMA 850MHz Tx: 826.4 - 846.6MHz (at intervals of 200kHz); Rx: 871.4 - 891.6MHz (at intervals of 200kHz) WCDMA 1900MHz Tx: 1852.4 - 1907.6MHz (at intervals of 200kHz); Rx: 1932.4 - 1987.6MHz (at intervals of 200kHz) WCDMA 1700MHz Tx: 1712.4 - 1752.6MHz (at intervals of 200kHz); Rx: 2112.4 - 2152.6MHz (at intervals of 200kHz)
Maximum Output Power to Antenna	GSM: 850: 33.01dBm GSM: 1900: 30.47dBm EDGE 850: 27.58dBm EDGE 1900: 27.62dBm WCDMA 850: 23.98dBm WCDMA 1900: 24.35dBm WCDMA 1700: 24.56dBm
Type of Modulation	GSM / GPRS:GMSK EDGE:GMSK / 8PSK WCDMA: QPSK(Uplink) HSDPA:QPSK(Uplink) HSUPA:QPSK(Uplink)
Antenna Type	Internal Antenna

1.2 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

System	Type of Modulation	Emission Designator	Frequency Tolerance (ppm)	Maximum ERP/EIRP(W)
GSM850	GMSK	246KGXW	0.0574	1.710
GSM1900	GMSK	246KGXW	0.0218	0.845
EDGE 850	8PSK	245KG7W	0.0538	0.356
EDGE 1900	8PSK	249KG7W	0.0255	0.438
WCDMA 850 RMC 12.2Kbps	QPSK	4M15F9W	0.0442	0.171
WCDMA 1900 RMC 12.2Kbps	QPSK	4M15F9W	0.0239	0.265
WCDMA 1700 RMC 12.2Kbps	QPSK	4M16F9W	0.0167	0.308

1.3 Test Standards and Results

1. 47 CFR Part 2, 22(H), 24(E), 27(L)
2. ANSI C63.26:2015
3. FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Limit	Result
	FCC			
1	2.1046	Conducted Output Power	Reporting Only	PASS
2	24.232(d) 27.50(d)	Peak to Average Ratio	<13dBm	PASS
3	2.1049 22.917(b) 24.238(b) 27.53(g)	Occupied Bandwidth	Reporting Only	PASS
4	2.1055 22.355 24.235 27.54	Frequency Stability	$\leq \pm 2.5\text{ppm}$	PASS
5	2.1051 22.917 24.238 27.53	Conducted Out of Band Emissions	$< 43+10\log_{10}$ (P[Watts])	PASS
6	2.1051 22.917 24.238 27.53	Band Edge	$< 43+10\log_{10}$ (P[Watts])	PASS
7	22.913	Effective Radiated Power	<7Watts	PASS
	24.232	Equivalent Isotropic Radiated Power	<2Watts	PASS
	27.50(d)	Effective Radiated Power	<1Watts	PASS

8	2.1053 22.917 24.238 27.53	Radiated Spurious Emissions	$< 43 + 10 \log_{10}$ (P[Watts])	PASS
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1.4 Test Configuration of Equipment under Test

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 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 9000 MHz for GPRS850 and WCDMA Band V.
2. 30 MHz to 20000 MHz for GPRS1900 and WCDMA Band II.
3. 30 MHz to 18000 MHz for WCDMA Band IV.

All modes and data rates and positions were investigated.

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

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM 850	GSM Link EDGE Link	GSM Link EDGE Link
GSM 1900	GSM Link EDGE Link	GSM Link EDGE Link
WCDMA Band V	RMC 12.2Kbps Link	RMC 12.2Kbps Link
WCDMA Band II	RMC 12.2Kbps Link	RMC 12.2Kbps Link
WCDMA Band IV	RMC 12.2Kbps Link	RMC 12.2Kbps Link

Note: The maximum power levels are chosen to test as the worst case configuration as follows:

GSM mode for GMSK modulation,

EDGE multi-slot class 8 mode for 8PSK modulation,

RMC 12.2Kbps mode for WCDMA band V,

RMC 12.2Kbps mode for WCDMA band II,

RMC 12.2Kbps mode for WCDMA band IV, only these modes were used for all tests.



1.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 6B and 10dB attenuator.

Example:

$$\begin{aligned}\text{Offset (dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 7.5 + 10 = 17.5(\text{dB})\end{aligned}$$

1.6 Facilities and Accreditations

1.6.1 Test Facilities

CNAS-Lab Code: L1659

CCIC-SET is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until April 19th, 2023.

ISED Registration: 11185A-1

CAB identifier: CN0064

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until April 19th, 2023.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

1.6.2 Test Environment Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15°C - 35°C
Relative Humidity (%):	30% -60%
Atmospheric Pressure (kPa):	86KPa-106KPa

2. 47 CFR PART 2, PART 22H & 24E 27L REQUIREMENTS

2.1 Conducted RF Output Power

2.1.1 Definition

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.

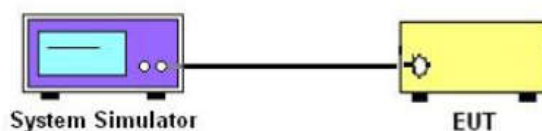
2.1.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through 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.

2.1.4 Test Setup



2.1.5 Test Results of Conducted Output Power

Test Verdict:

Band	Channel	Frequency (MHz)	Measured Output Power dBm	Verdict
GSM 850MHz	128	824.2	32.97	PASS
	190	836.6	32.89	PASS
	251	848.8	33.01	PASS
GSM 1900MHz	512	1850.2	30.12	PASS
	661	1880.0	30.36	PASS
	810	1909.8	30.47	PASS
GPRS 850MHz	128	824.2	32.87	PASS
	190	836.6	32.78	PASS
	251	848.8	32.76	PASS
GPRS 1900MHz	512	1850.2	29.87	PASS
	661	1880.0	29.29	PASS
	810	1909.8	29.62	PASS
EDGE 850MHz	128	824.2	27.58	PASS
	190	836.6	27.54	PASS
	251	848.8	27.57	PASS
EDGE 1900MHz	512	1850.2	27.52	PASS
	661	1880.0	27.59	PASS
	810	1909.8	27.62	PASS

Note 1: For the GPRS model, all the slots were tested and just the worst data was record in this report.



WCDMA Model Test Verdict:

Item	band	WCDMA 850			WCDMA 1900			WCDMA1700		
	Frequency	4132	4183	4233	9262	9400	9538	1313	1413	1513
	Subtest	dBm			dBm			dBm		
WCDMA	RMC 12.2Kbps	23.98	23.89	23.94	24.35	24.25	24.3	24.51	24.38	24.56
HSDPA	1	23.3	23.21	23.26	24.27	23.57	23.62	23.83	23.7	23.88
	2	22.89	22.8	22.85	23.86	23.16	23.21	23.42	23.29	23.47
	3	22.5	22.41	22.46	23.47	22.77	22.82	23.03	22.9	23.08
	4	22.29	22.2	22.25	23.26	22.56	22.61	22.82	22.69	22.87
HSUPA	1	23.87	23.81	22.32	24.17	24.07	23.85	24.06	24.26	24.45
	2	23.75	23.74	23.76	23.72	23.62	23.4	23.61	23.46	24.33
	3	23.36	23.35	23.37	23.33	23.23	23.01	23.22	23.07	23.94
	4	23.08	23.07	23.09	23.05	22.95	22.73	22.94	22.79	23.66
	5	22.89	22.88	22.9	22.86	22.76	22.54	22.75	22.6	23.47

2.2 Peak to Average Ratio

2.2.1 Definition

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

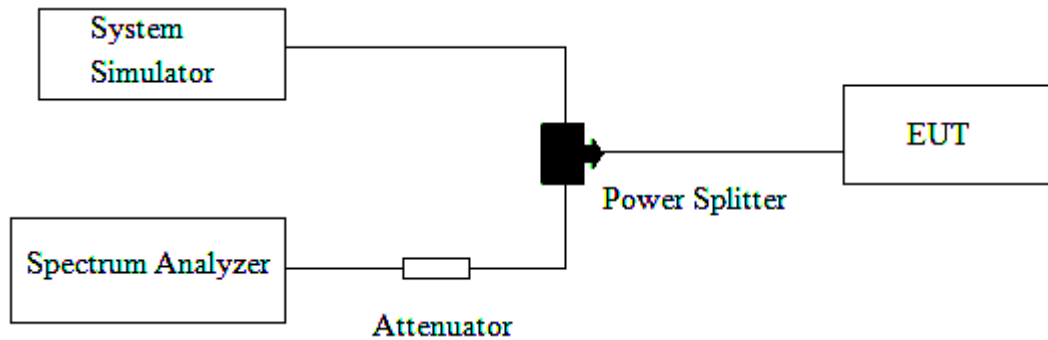
2.2.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.2.3 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.7.1.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. For GPRS/EGPRS operating modes:
 - a. Set EUT in maximum power output.
 - b. Set the RBW = 1MHz, VBW = 3MHz, Peak detector on spectrum analyzer for first trace.
 - c. Set the RBW = 1MHz, VBW = 3MHz, RMS detector on spectrum analyzer for second trace.
 - d. The wanted burst signal is triggered by spectrum analyzer, and measured respectively the peak level and Mean level without burst-off time, after system simulator has synchronized with the spectrum analyzer.
4. For UMTS operating modes:
 - a. Set the CCDF (Complementary Cumulative Distribution Function) option on the spectrum analyzer.
 - b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

2.2.4 Test Setup



2.2.5 Test Results of Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Peak to Average ratio	Limit	Verdict
			dB	dB	
GSM 1900MHz	512	1850.2	0.40	13	PASS
	661	1880.0	0.32		PASS
	810	1909.8	0.32		PASS
EDGE 1900MHz	512	1850.2	3.21	13	PASS
	661	1880.0	3.09		PASS
	810	1909.8	3.14		PASS
WCDMA 1900MHz	9262	1852.4	2.95	13	PASS
	9400	1880.0	1.36		PASS
	9538	1907.6	2.19		PASS
WCDMA 1700MHz	1312	1712.4	2.38	13	PASS
	1412	1732.4	2.96		PASS
	1513	1752.6	2.74		PASS

2.3 99% Occupied Bandwidth and 26dB Bandwidth Measurement

2.3.1 Definition

The 99% occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

2.3.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.3.3 Test Procedures

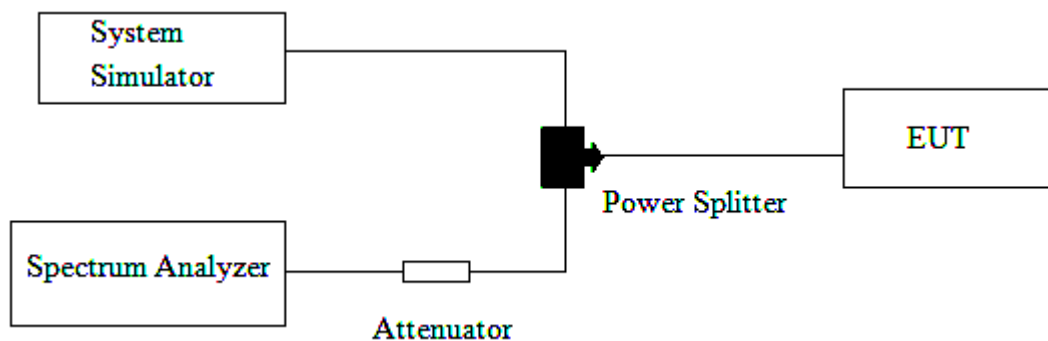
1. The testing follows FCC KDB 971168 D01 v03r01 Section 4.2.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of the EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

4. The 99% occupied bandwidth were measured, set RBW= 1% of span, VBW= 3*RBW, sample detector, trace maximum hold.

5. The 26dB bandwidth were measured, set RBW= 1% of EBW, VBW= 3*RBW, peak detector, trace maximum hold.

2.3.4 Test Setup



2.3.5 Test Results of 99% Occupied Bandwidth and 26dB Bandwidth

Band	Channel	Frequency (MHz)	26dB bandwidth (KHz)	99% Occupied Bandwidth (KHz)	Refer to Plot
GSM 850MHz	128	824.2	304.8	246.09	Plot A1
	190	836.6	306.9	242.43	Plot A2
	251	848.8	306.8	243.16	Plot A3
GSM 1900MHz	512	1850.2	310.5	244.8	Plot B1
	661	1880.0	309.7	246.02	Plot B2
	810	1909.8	303.7	242.78	Plot B3
EDGE 850MHz	128	824.2	319.4	244.91	Plot C1
	190	836.6	312	244.9	Plot C2
	251	848.8	312.3	241.57	Plot C3
EDGE 1900MHz	512	1850.2	313.5	243.52	Plot D1
	661	1880.0	305	243.13	Plot D2
	810	1909.8	320.8	248.84	Plot D3
WCDMA 850MHz	4132	826.4	4733	4147.3	Plot E1
	4183	836.6	4719	4134.6	Plot E2
	4233	846.6	4750	4151.4	Plot E3
WCDMA 1900MHz	9262	1852.4	4738	4139.6	Plot F1
	9400	1880	4716	4147.5	Plot F2
	9538	1907.6	4732	4129.3	Plot F3
WCDMA 1700MHz	1312	1712.4	4710	4148.3	Plot G1
	1412	1732.4	4705	4138.1	Plot G2
	1513	1752.6	4744	4160.4	Plot G3

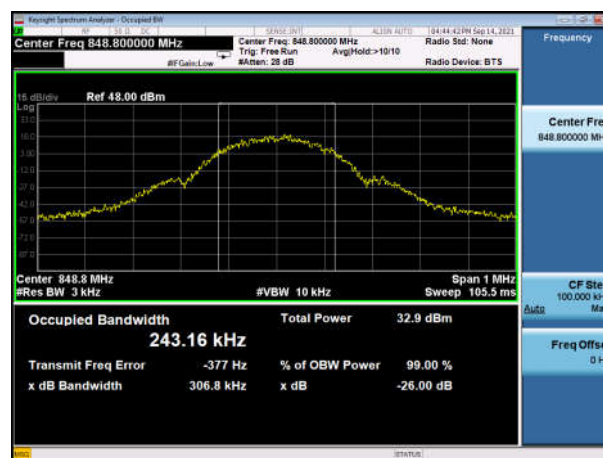
2.3.6 Test Results (Plots) of 99% Occupied Bandwidth and 26dB Bandwidth



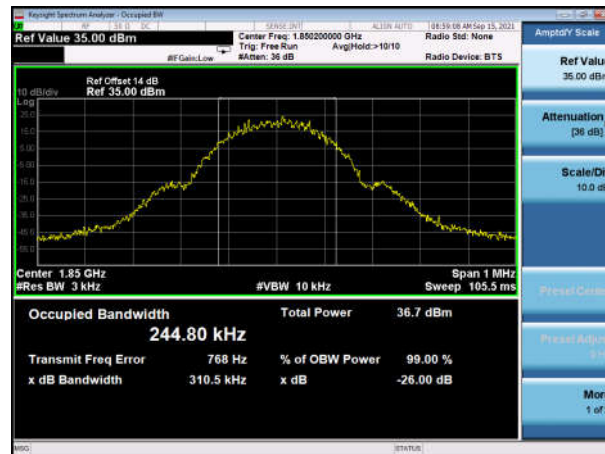
(Plot A1: GSM 850MHz Channel = 128 Occupied bandwidth)



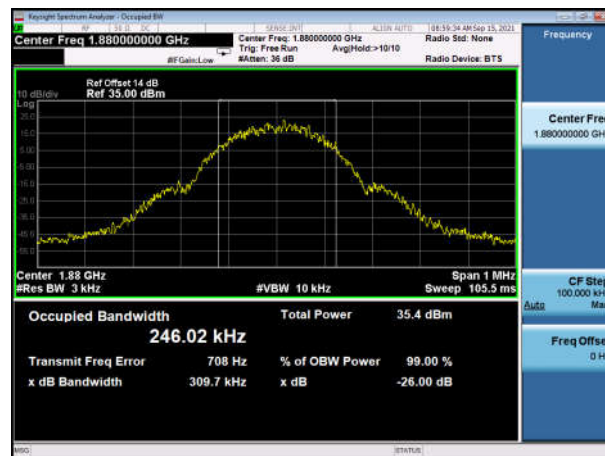
(Plot A2: GSM 850MHz Channel = 190 Occupied bandwidth)



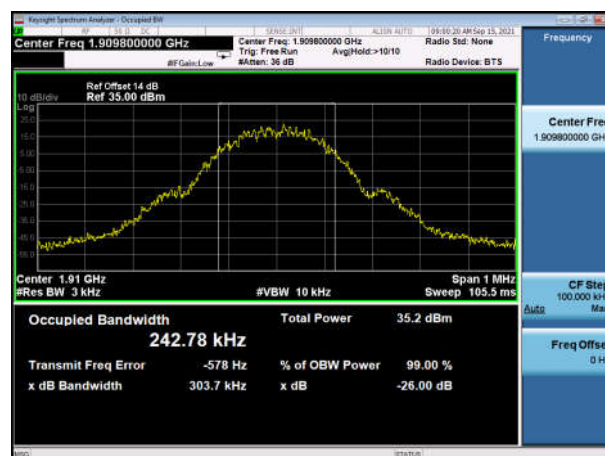
(Plot A3: GSM 850MHz Channel = 251 Occupied bandwidth)



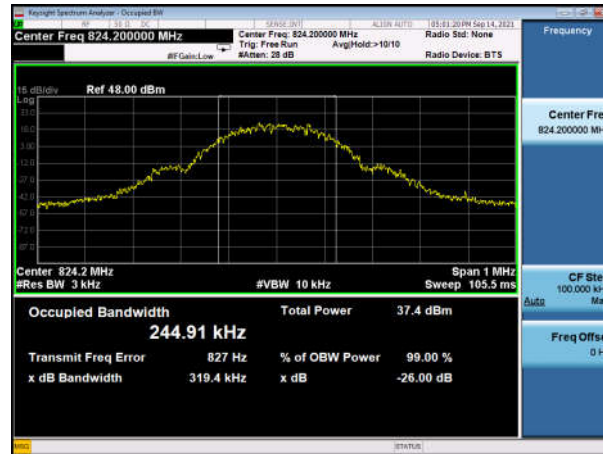
(Plot B1: GSM 1900MHz Channel = 512 Occupied bandwidth)



(Plot B2: GSM 1900MHz Channel = 661 Occupied bandwidth)



(Plot B3: GSM 1900MHz Channel = 810 Occupied bandwidth)



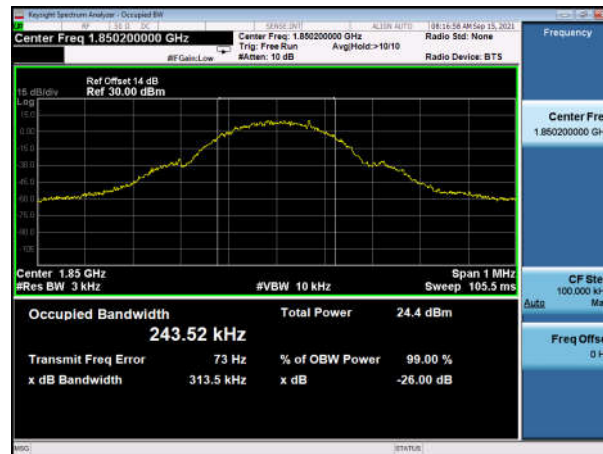
(Plot C1: EDGE 850MHz Channel = 128 Occupied bandwidth)



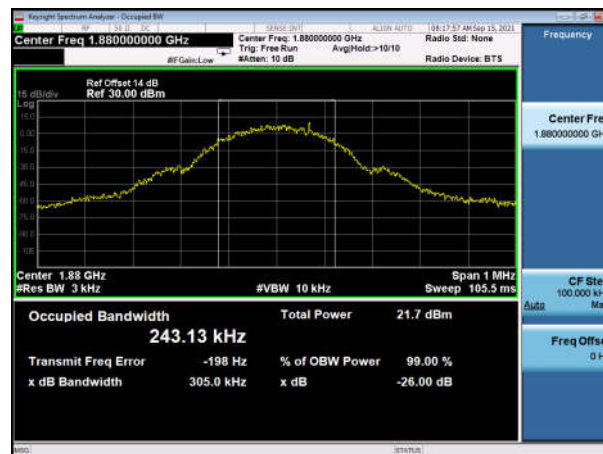
(Plot C2: EDGE 850MHz Channel = 190 Occupied bandwidth)



(Plot C3: EDGE 850MHz Channel = 251 Occupied bandwidth)



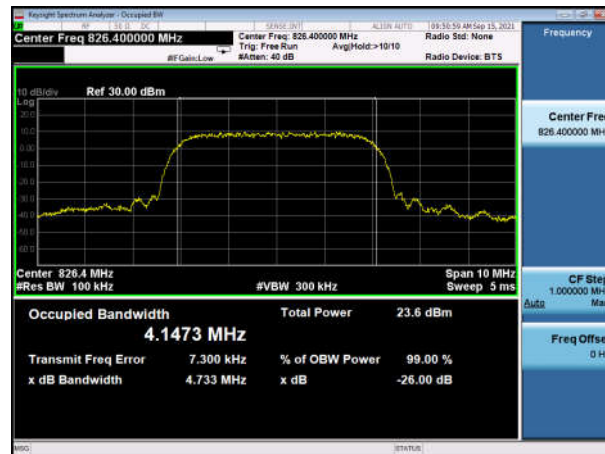
(Plot D1: EDGE 1900MHz Channel = 512 Occupied bandwidth)



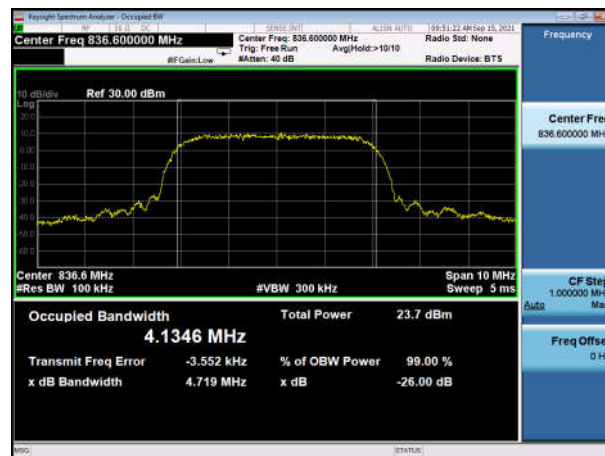
(Plot D2: EDGE 1900MHz Channel = 661 Occupied bandwidth)



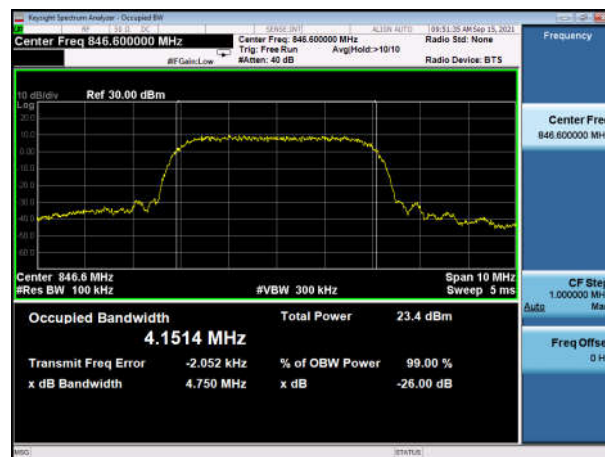
(Plot D3: EDGE 1900MHz Channel = 810 Occupied bandwidth)



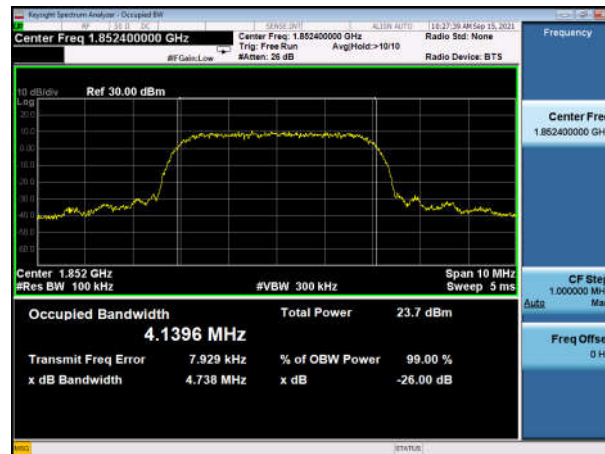
(Plot E1: WCDMA 850MHz Channel = 4132 Occupied bandwidth)



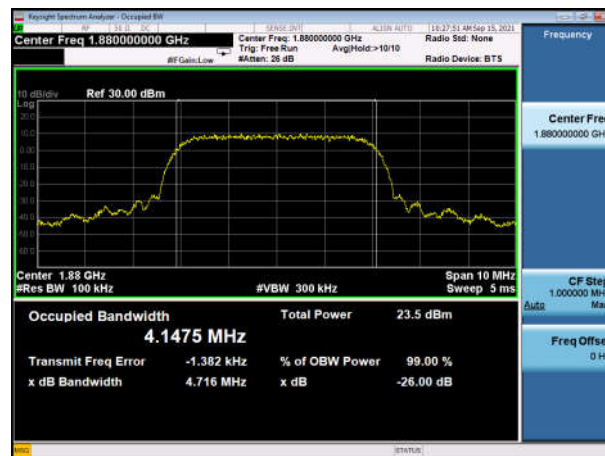
(Plot E2: WCDMA 850MHz Channel = 4183 Occupied bandwidth)



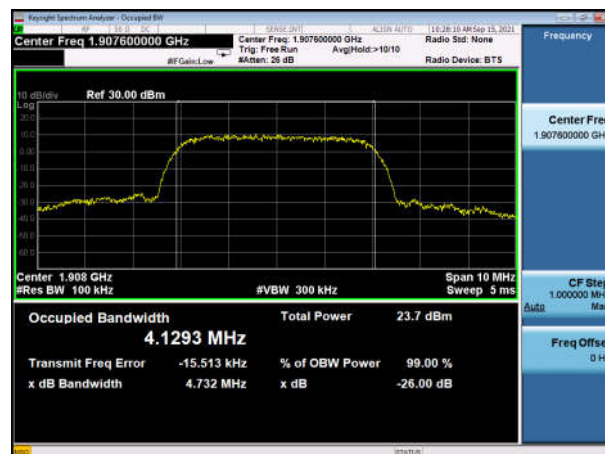
(Plot E3: WCDMA 850MHz Channel = 4233 Occupied bandwidth)



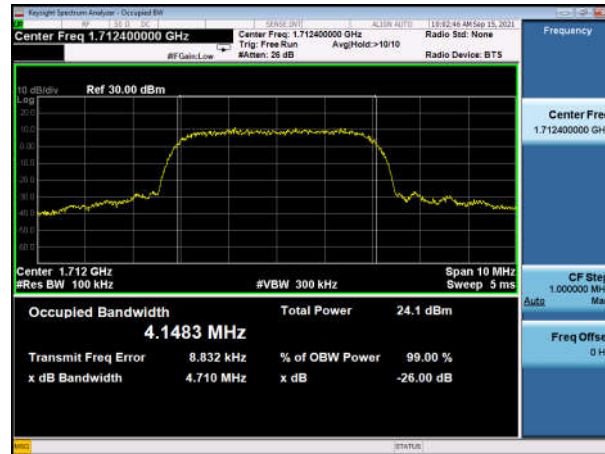
(Plot F1: WCDMA 1900MHz Channel = 9262 Occupied bandwidth)



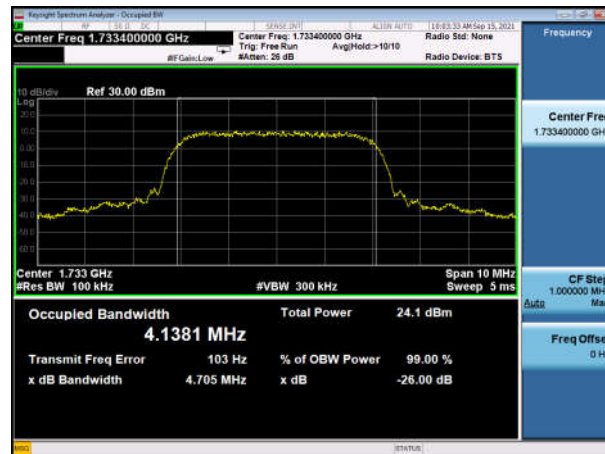
(Plot F2: WCDMA 1900MHz Channel = 9400 Occupied bandwidth)



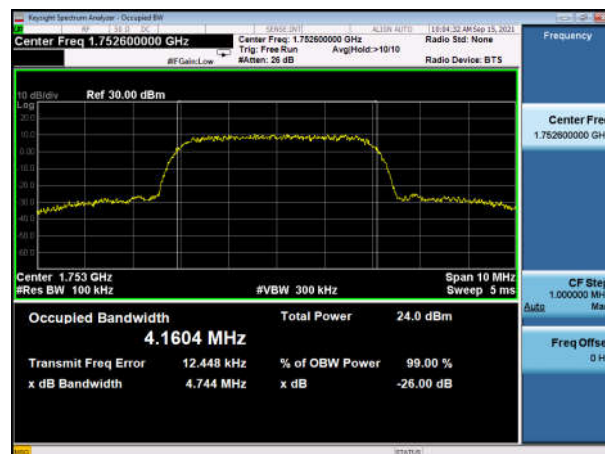
(Plot F3: WCDMA 1900MHz Channel = 9538 Occupied bandwidth)



(Plot G1: WCDMA 1700MHz Channel = 1312 Occupied bandwidth)



(Plot G2: WCDMA 1700MHz Channel = 1412 Occupied bandwidth)



(Plot G3: WCDMA 1700MHz Channel = 1513 Occupied bandwidth)

2.4 Frequency Stability

2.4.1 Requirement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

2.4.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

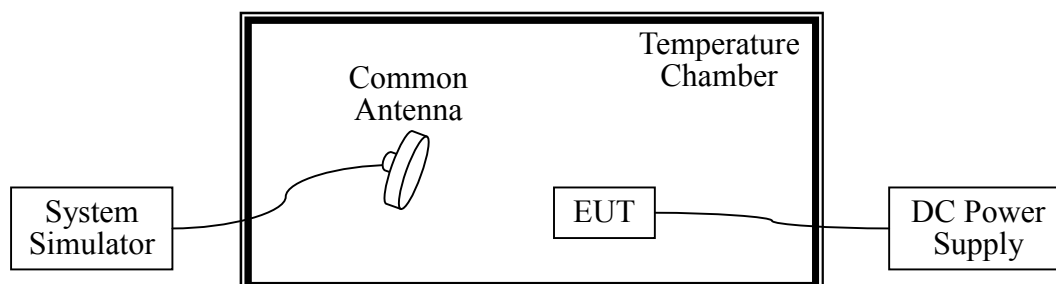
2.4.3 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 D01 v03r01 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.

2.4.4 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 D01 v03r01 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 BEP to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

2.4.5 Test Setup



2.4.6 Test Results of Frequency Stability

GSM 850MHz Band

Band:	GSM 850	Channel:	190
Limit(ppm):	2.5	Frequency:	836.6MHz

Power (VDC)	Temperature (°C)	GSM	EDGE	Result
		Deviation (ppm)	Deviation (ppm)	
3.85	-30	0.0065	0.0056	PASS
	-20	0.0036	0.0019	
	-10	0.0024	0.0029	
	0	0.0029	0.0037	
	+10	0.0018	0.0029	
	+20	0.0023	0.0048	
	+30	0.0025	0.0044	
	+40	0.0069	0.0065	
	+50	0.0079	0.0071	
4.2	+25	0.0036	0.0049	PASS
3.5	+25	0.0037	0.0037	

GSM 1900MHz Band

Band:	GSM 1900	Channel:	661
Limit(ppm):	2.5	Frequency:	1880.0MHz

Power (VDC)	Temperature (°C)	GSM	EDGE	Result
		Deviation (ppm)	Deviation (ppm)	
3.85	-30	0.0038	0.0060	PASS
	-20	0.0045	0.0068	
	-10	0.0044	0.0059	
	0	0.0035	0.0051	
	+10	0.0032	0.0061	
	+20	0.0037	0.0056	
	+30	0.0047	0.0048	
	+40	0.0035	0.0039	
	+50	0.0043	0.0061	
4.2	+25	0.0045	0.0046	PASS
3.5	+25	0.0040	0.0056	

WCDMA 850MHz Band

Band:	WCDMA Band V	Channel:	4183
Limit(ppm):	2.5	Frequency:	836.6MHz

Power (VDC)	Temperature (°C)	RMC 12.2Kbps	Result
		Deviation (ppm)	
3.85	-30	0.0035	PASS
	-20	0.0049	
	-10	0.0049	
	0	0.0048	
	+10	0.0047	
	+20	0.0066	
	+30	0.0043	
	+40	0.0051	
	+50	0.0044	
4.2	+25	0.0062	PASS
3.5	+25	0.0059	



WCDMA 1900MHz Band

Band:	WCDMA Band II	Channel:	9400
Limit(ppm):	2.5	Frequency:	1880.0MHz

Power (VDC)	Temperature (°C)	RMC 12.2Kbps	Result
		Deviation (ppm)	
3.85	-30	0.0046	PASS
	-20	0.0035	
	-10	0.0043	
	0	0.0052	
	+10	0.0049	
	+20	0.0055	
	+30	0.0037	
	+40	0.0042	
	+50	0.0043	
4.2	+25	0.0050	PASS
3.5	+25	0.0036	

WCDMA 1700MHz Band

Band:	WCDMA Band IV	Channel:	1412
Limit(ppm):	2.5	Frequency:	1732.4MHz

Power (VDC)	Temperature (°C)	RMC 12.2Kbps	Result
		Deviation (ppm)	
3.85	-30	0.0058	PASS
	-20	0.0041	
	-10	0.0051	
	0	0.0055	
	+10	0.0050	
	+20	0.0045	
	+30	0.0037	
	+40	0.0056	
	+50	0.0052	
4.2	+25	0.0041	PASS
3.5	+25	0.0056	

2.5 Conducted Out of Band Emissions

2.5.1 Requirement

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.

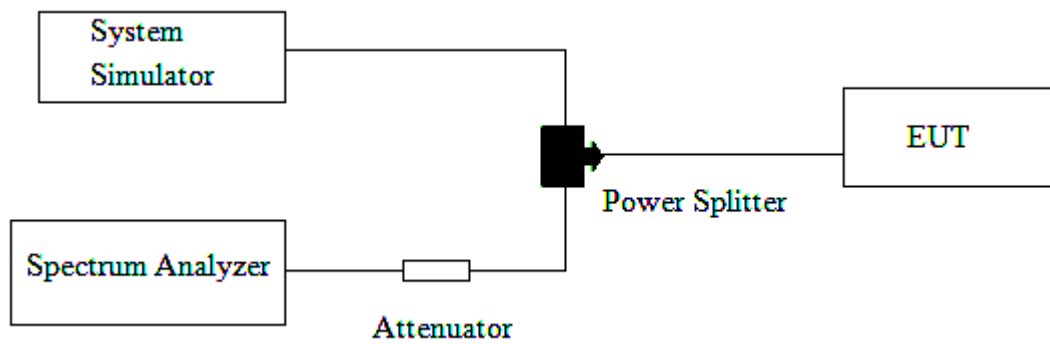
2.5.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3 Test Procedures

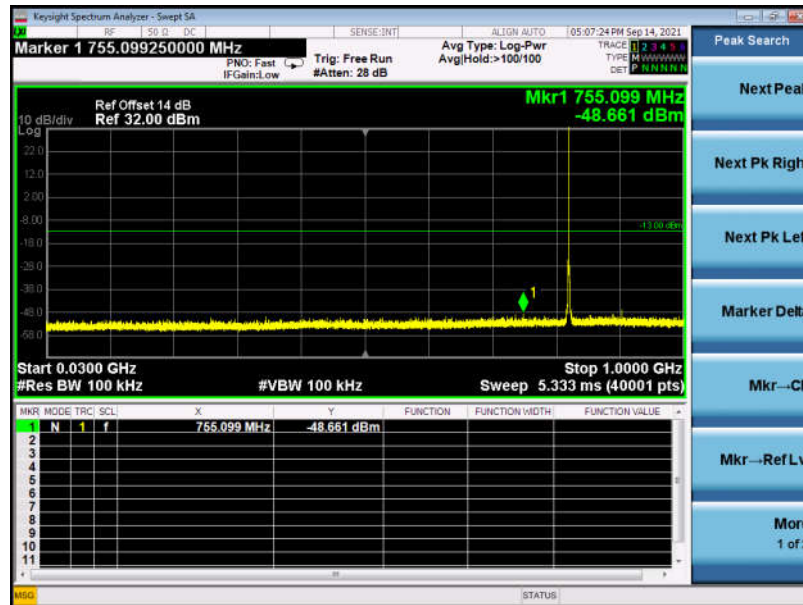
1. The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each 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)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$
8. For 9KHz to 30MHz: the amplitude of spurious emissions are attenuated by more than 20dB below the permissible value has no need to be reported.

2.5.4 Test Setup

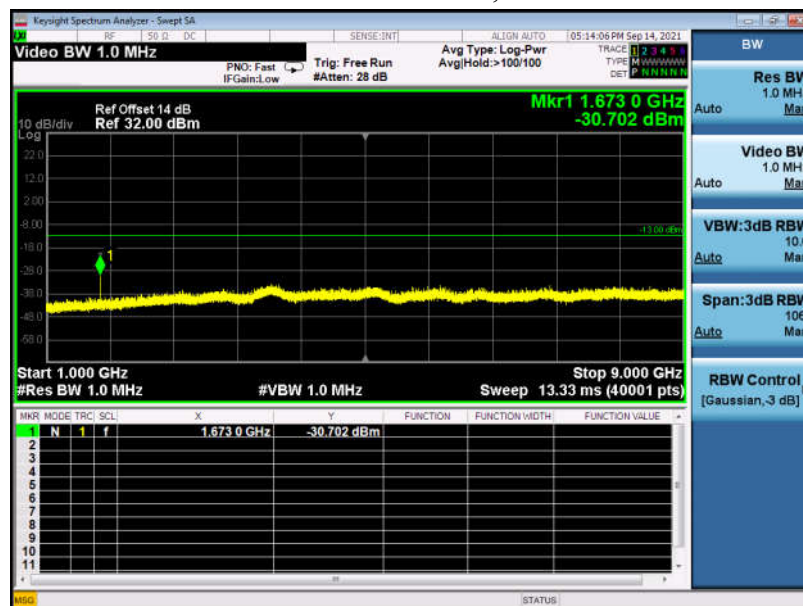


2.5.5 Test Result (Plots) of Conducted Spurious Emission

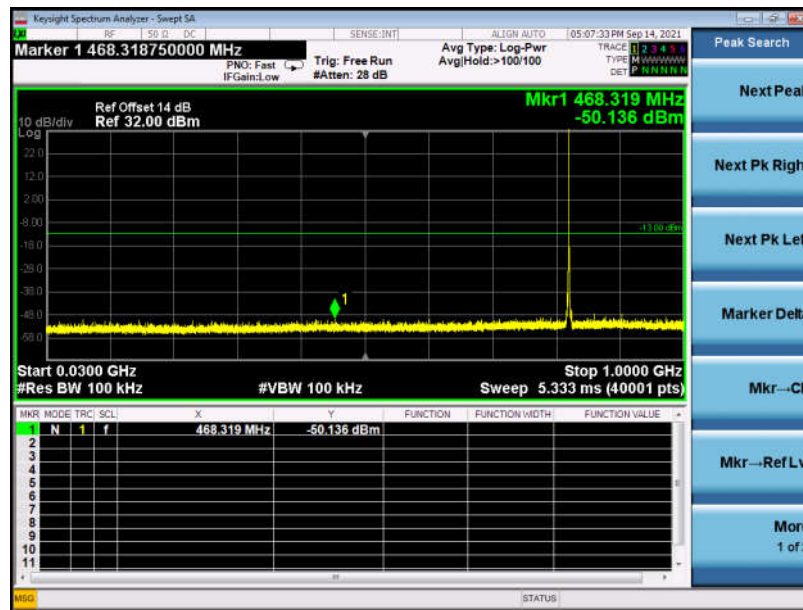
Note: For 9 KHz to 30MHz: the amplitude of spurious emissions is attenuated by more than 20dB below the permissible value, so we not provide the test result here.



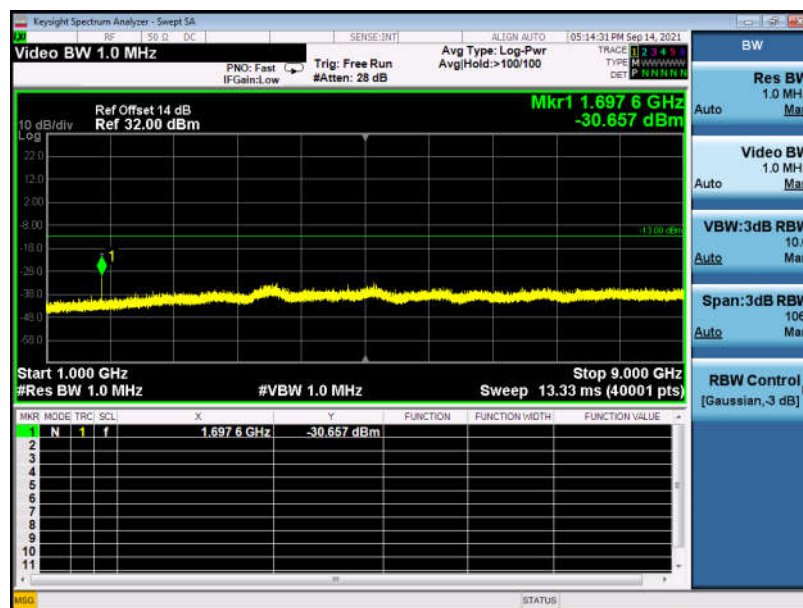
GSM 850MHz Channel = 128, 30MHz to 1GHz



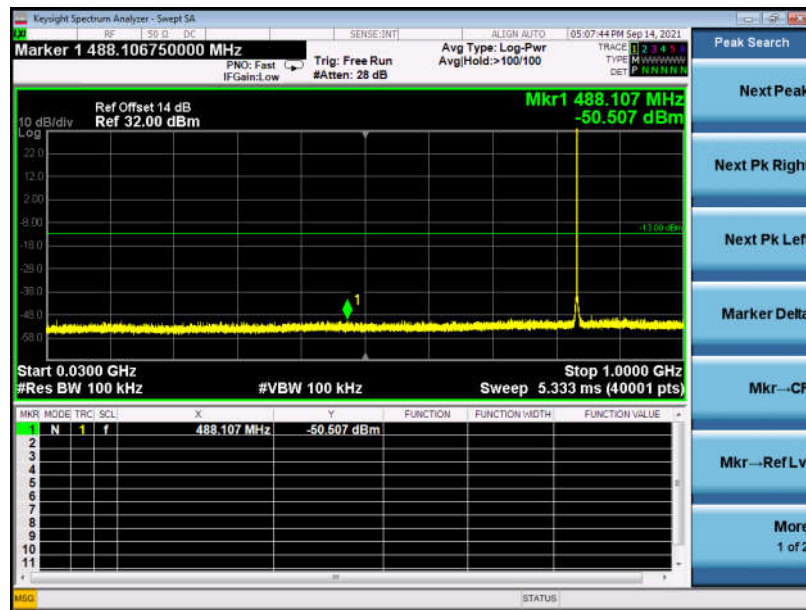
GSM 850MHz Channel = 128, 1GHz to 9GHz



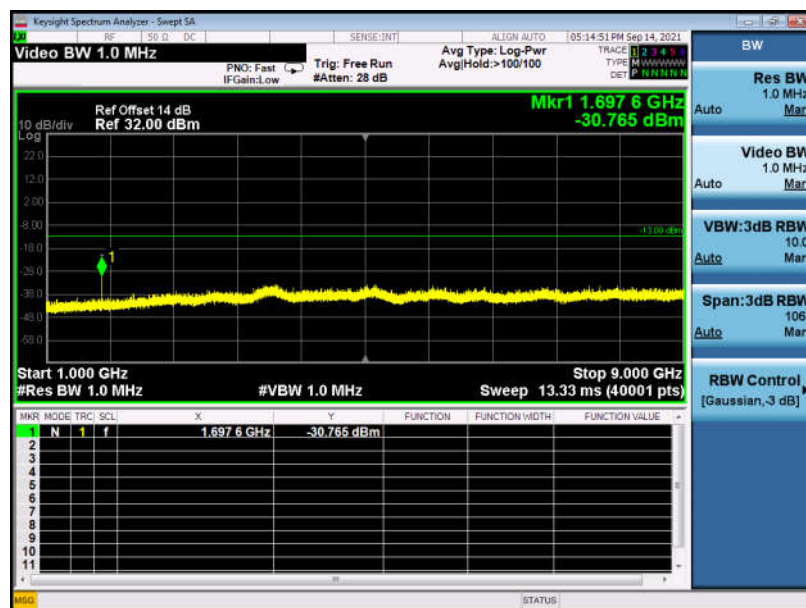
GSM 850MHz Channel = 190, 30MHz to 1GHz



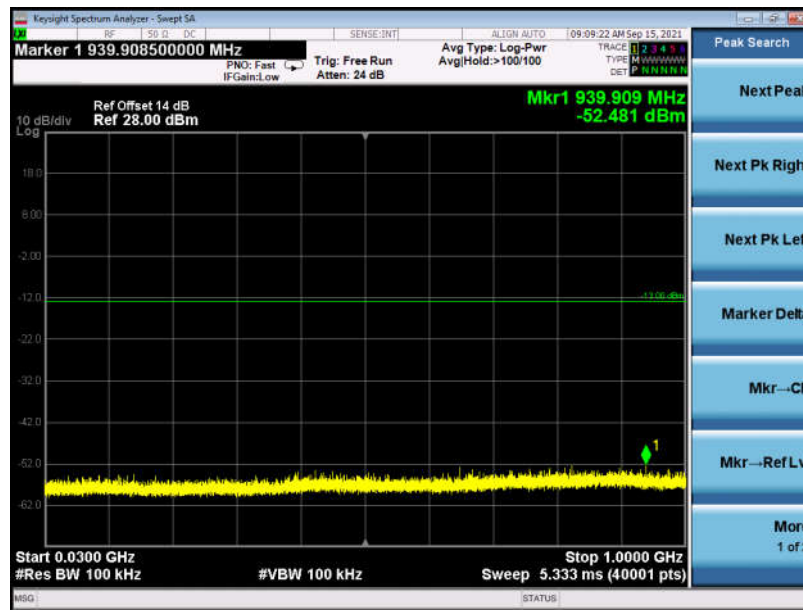
GSM 850MHz Channel = 190, 1GHz to 9GHz



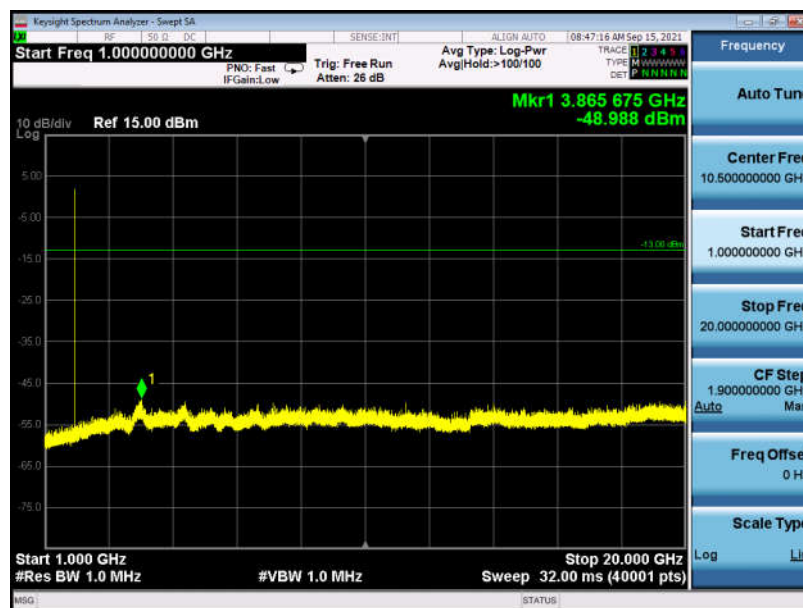
GSM 850MHz Channel = 251, 30MHz to 1GHz



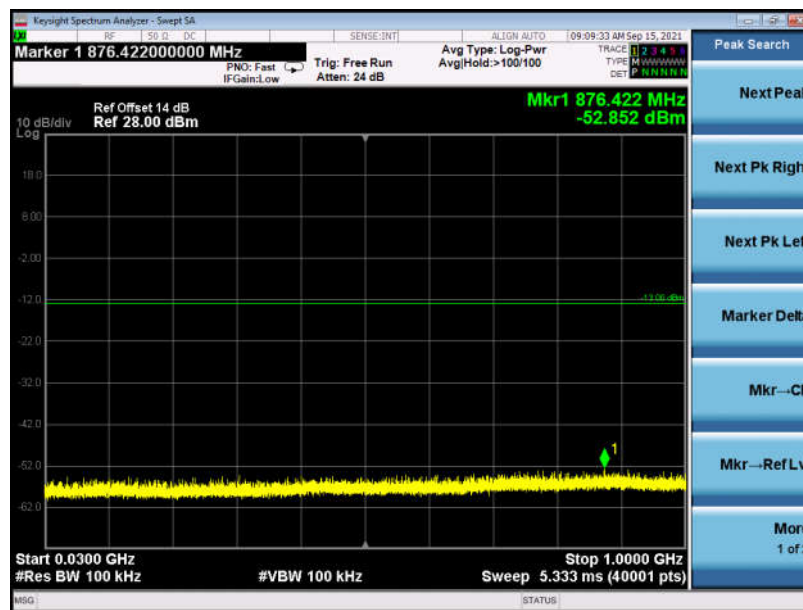
GSM 850MHz Channel = 251, 1GHz to 9GHz



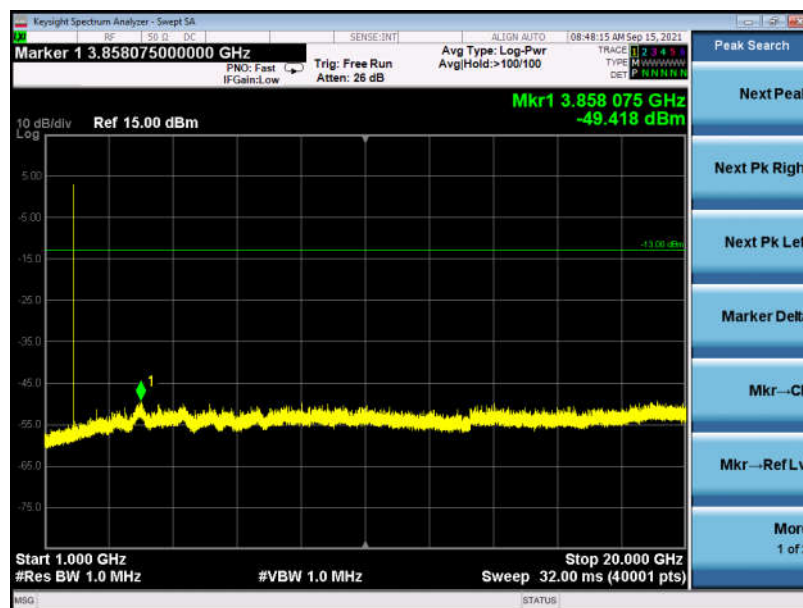
GSM 1900MHz Channel = 512, 30MHz to 1GHz



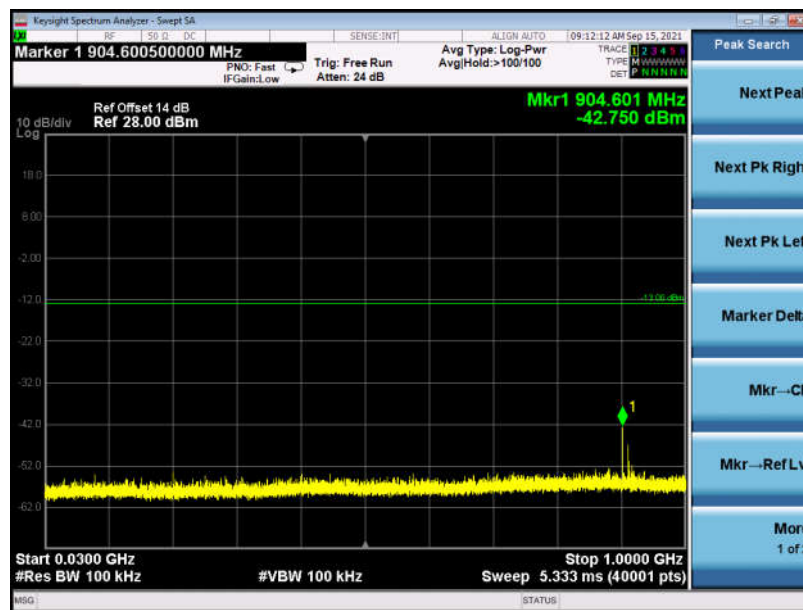
GSM 1900MHz Channel = 512, 1GHz to 20GHz



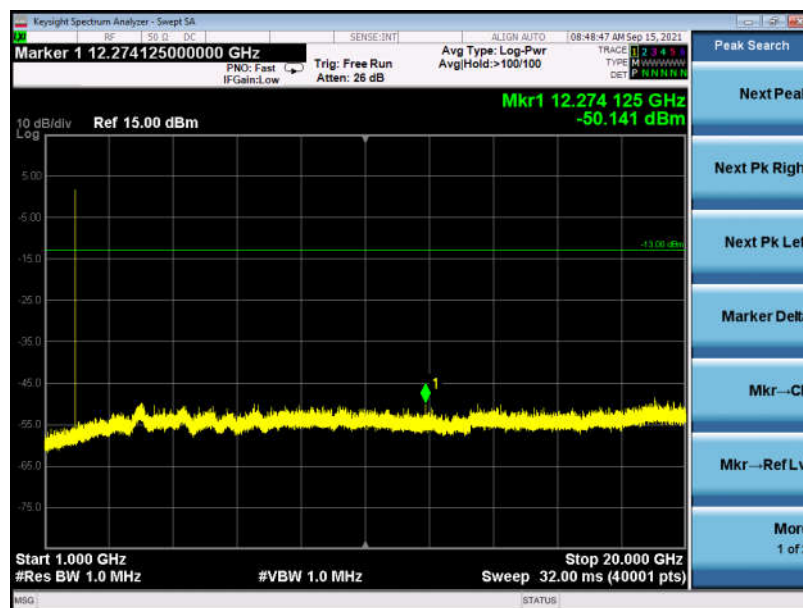
GSM 1900MHz Channel = 661, 30MHz to 1GHz



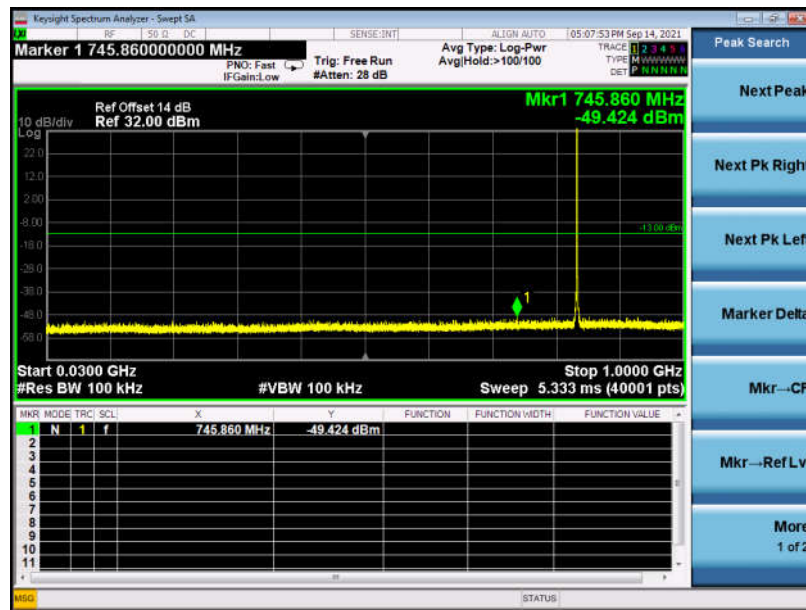
GSM 1900MHz Channel = 661, 1GHz to 20GHz



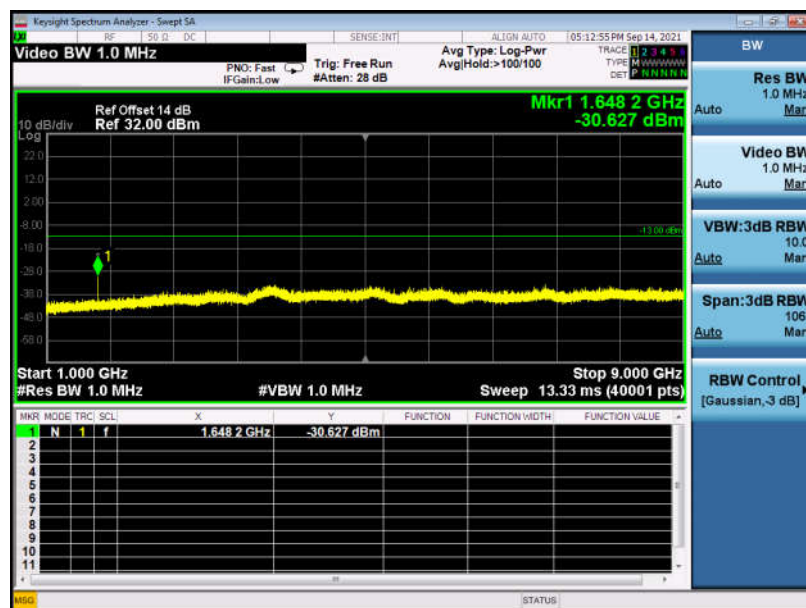
GSM 1900MHz Channel = 810, 30MHz to 1GHz



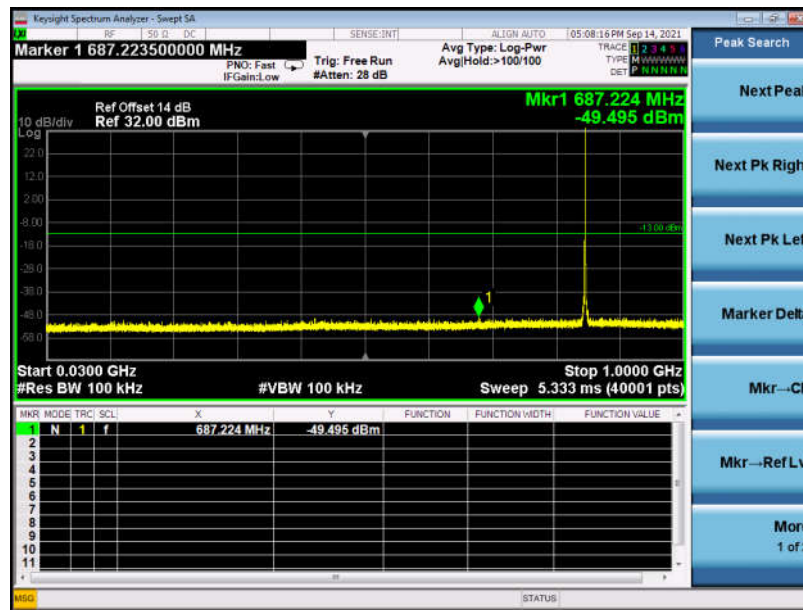
GSM 1900MHz Channel = 810, 1GHz to 20GHz



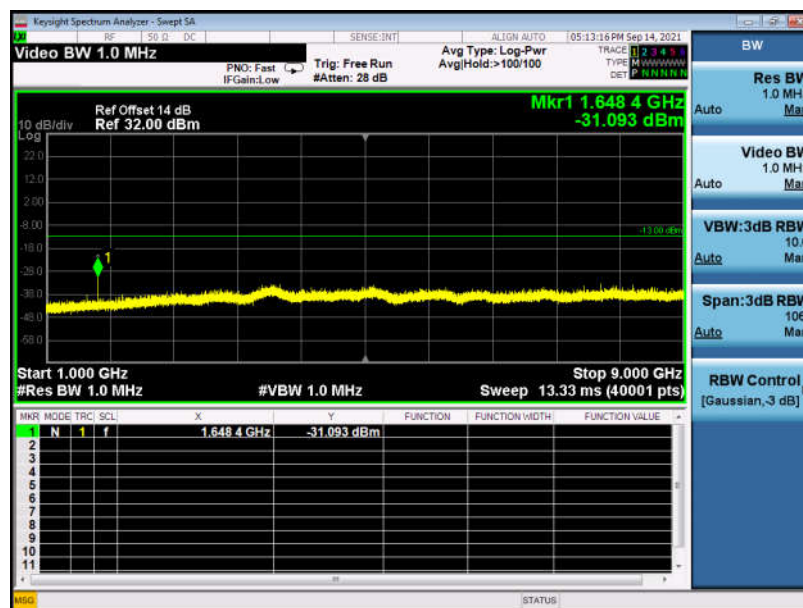
EDGE 850MHz Channel = 128, 30MHz to 1GHz



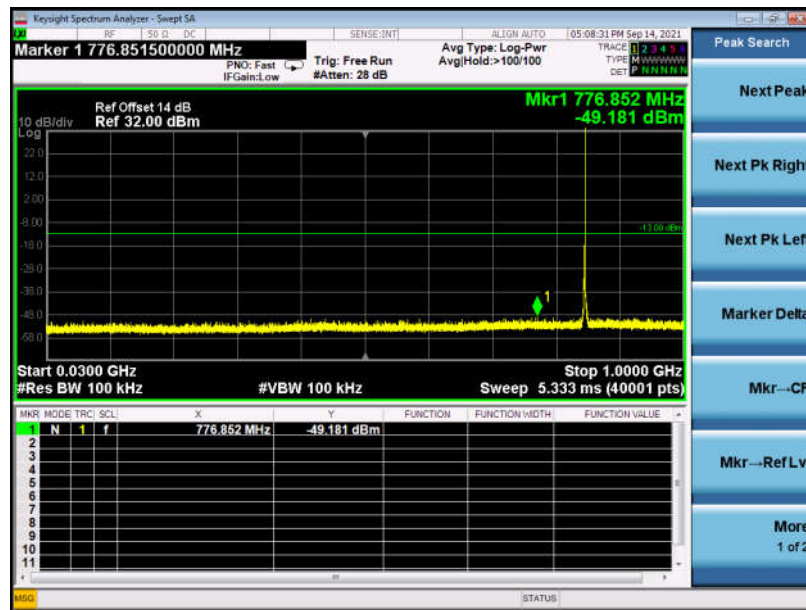
EDGE 850MHz Channel = 128, 1GHz to 9GHz



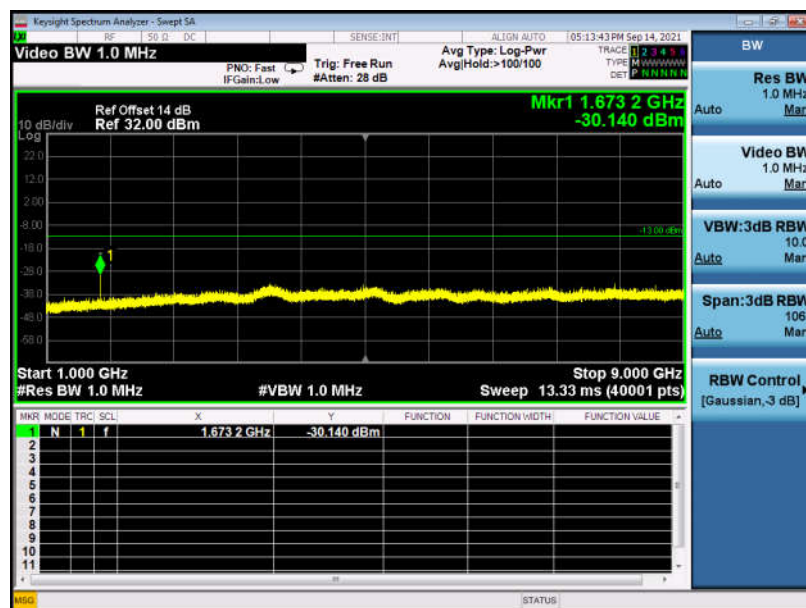
EDGE 850MHz Channel = 190, 30MHz to 1GHz



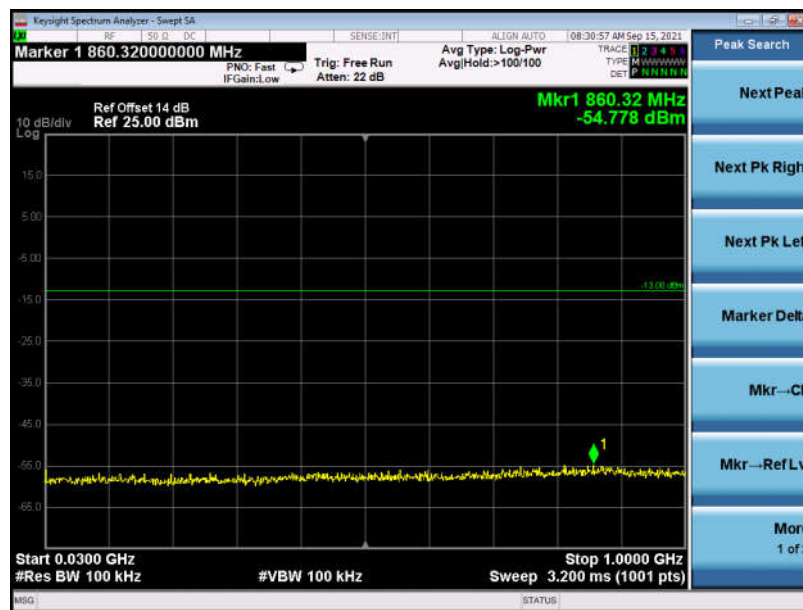
EDGE 850MHz Channel = 190, 1GHz to 9GHz



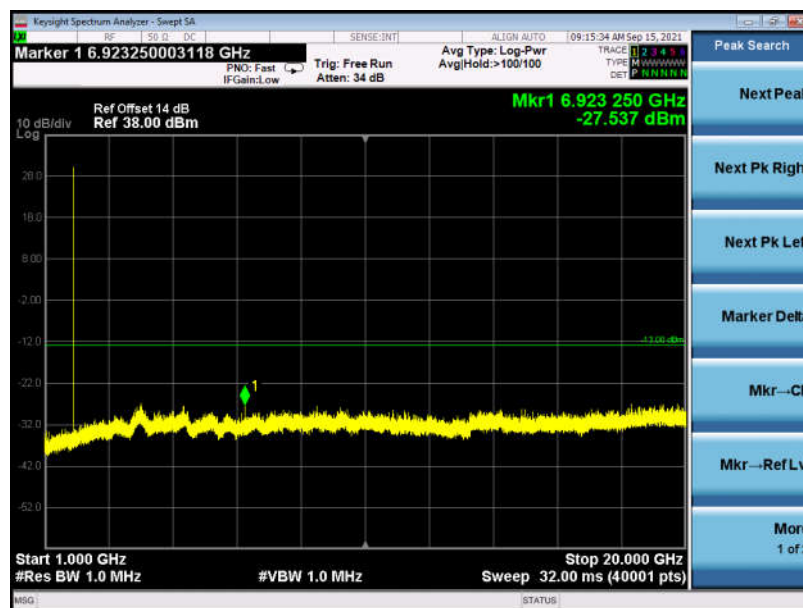
EDGE 850MHz Channel = 251, 30MHz to 1GHz



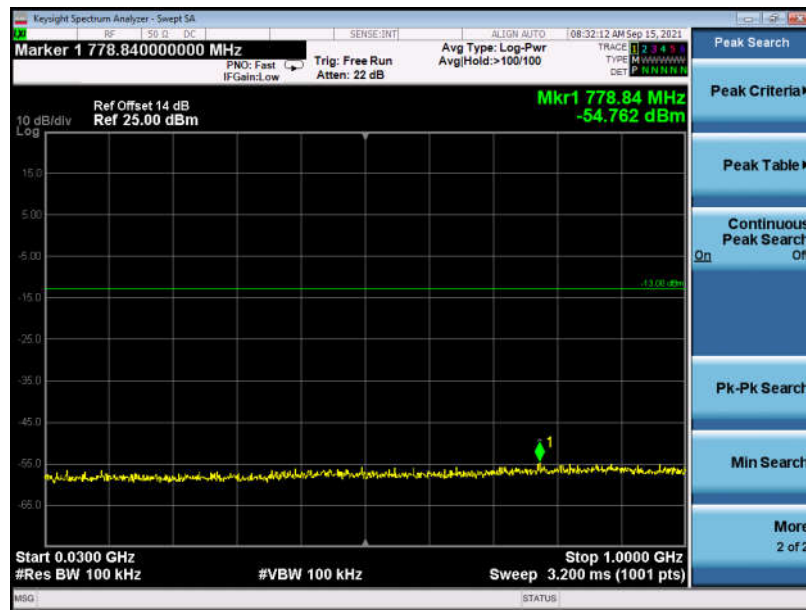
EDGE 850MHz Channel = 251, 1GHz to 9GHz



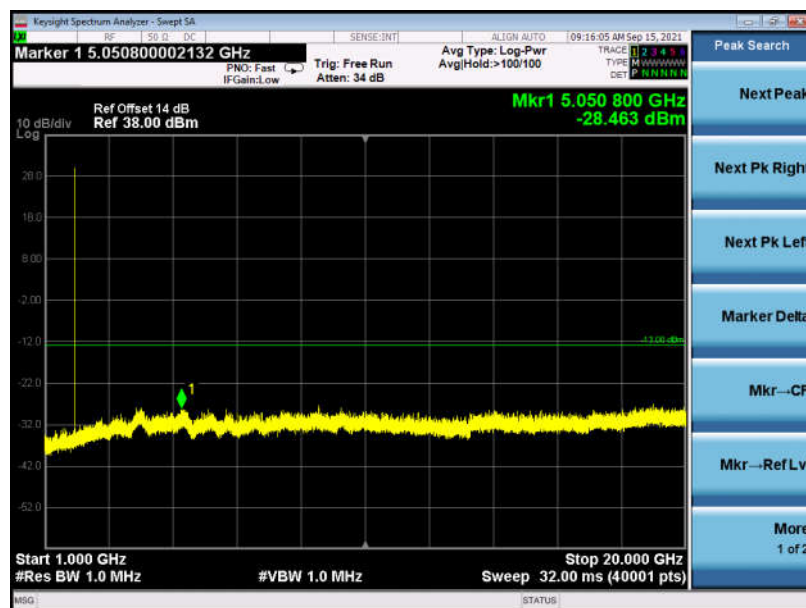
EDGE 1900MHz Channel = 512, 30MHz to 1GHz



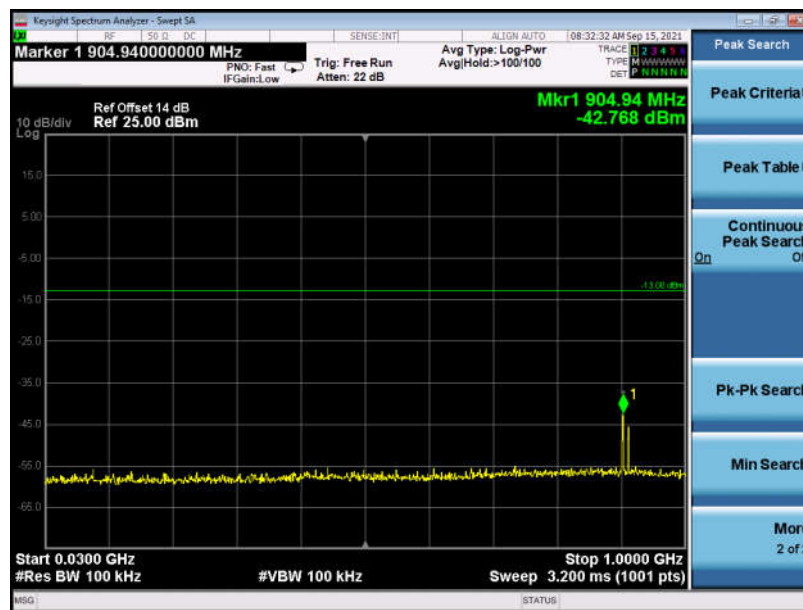
EDGE 1900MHz Channel = 512, 1GHz to 20GHz



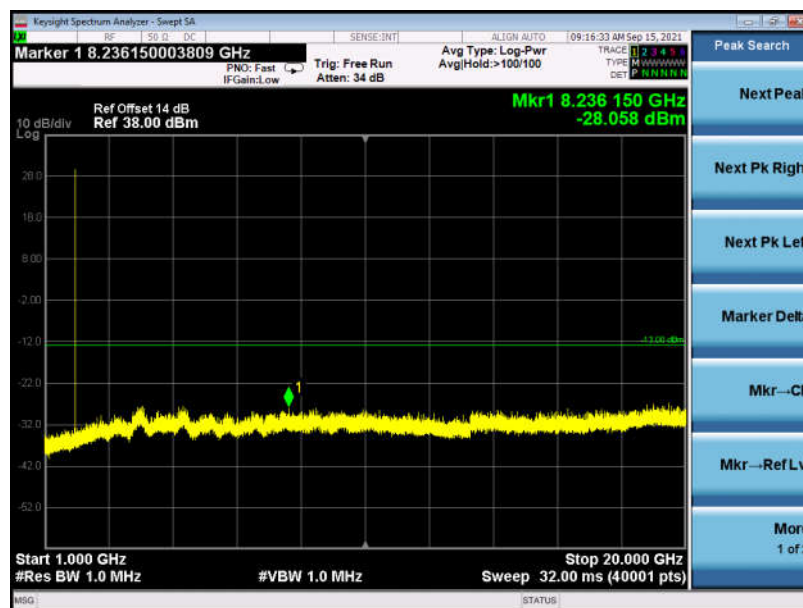
EDGE 1900MHz Channel = 661, 30MHz to 1GHz



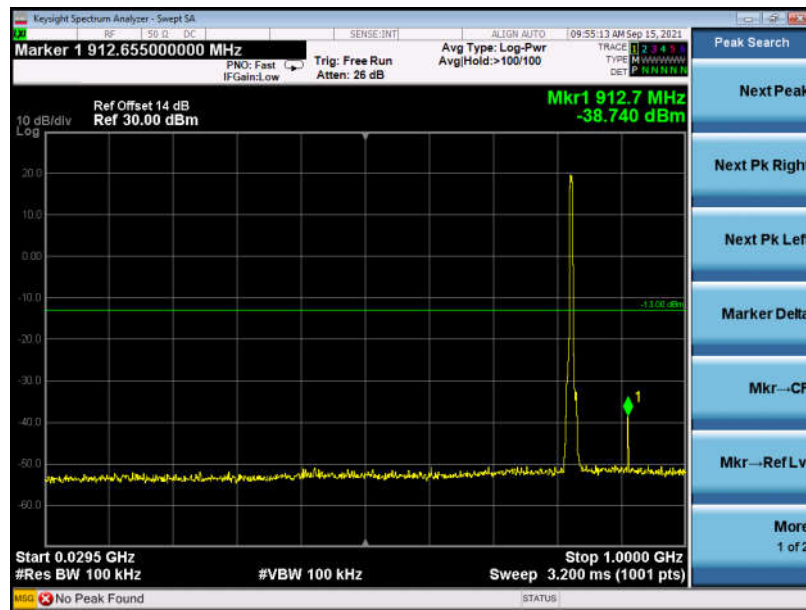
EDGE 1900MHz Channel = 661, 1GHz to 20GHz



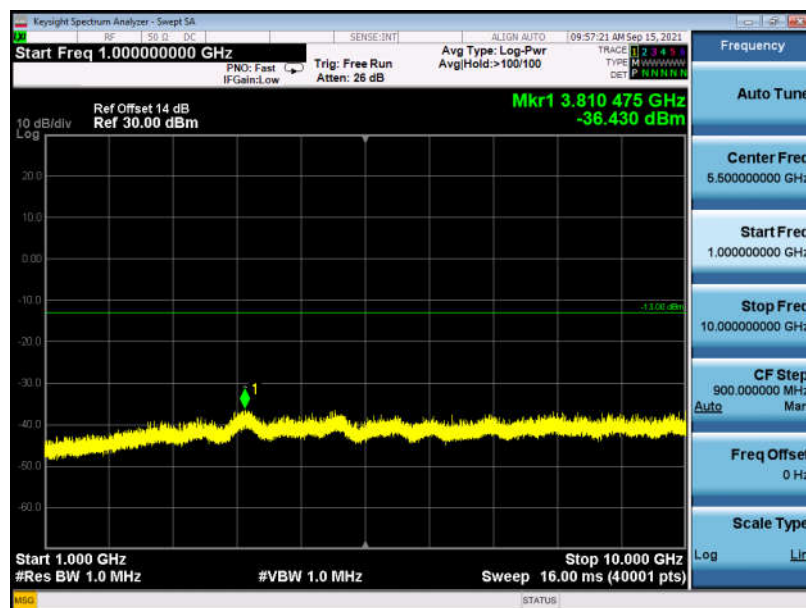
EDGE 1900MHz Channel = 810, 30MHz to 1GHz



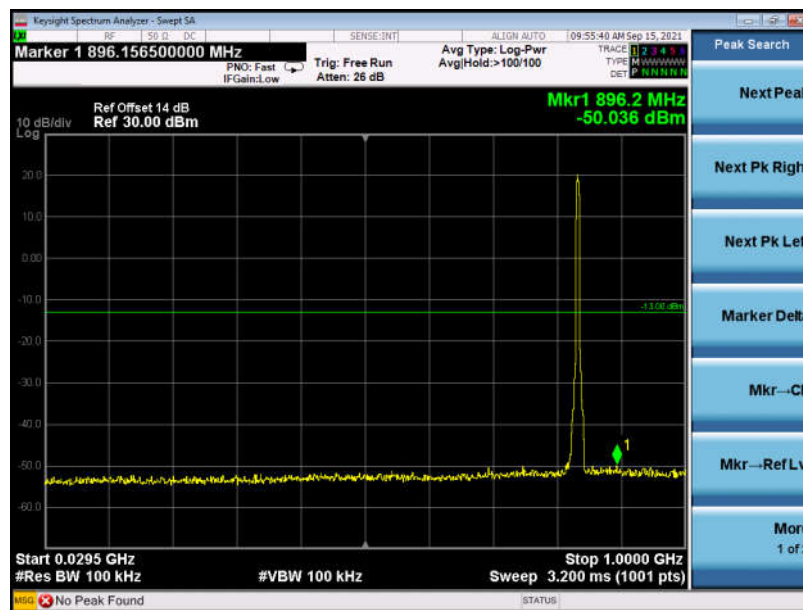
EDGE 1900MHz Channel = 810, 1GHz to 20GHz



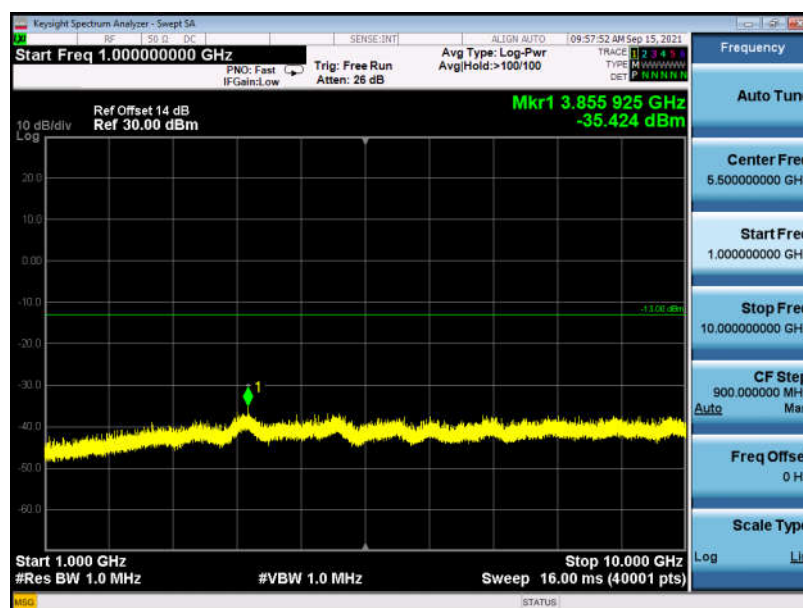
WCDMA850MHz Channel = 4132, 30MHz to 1GHz



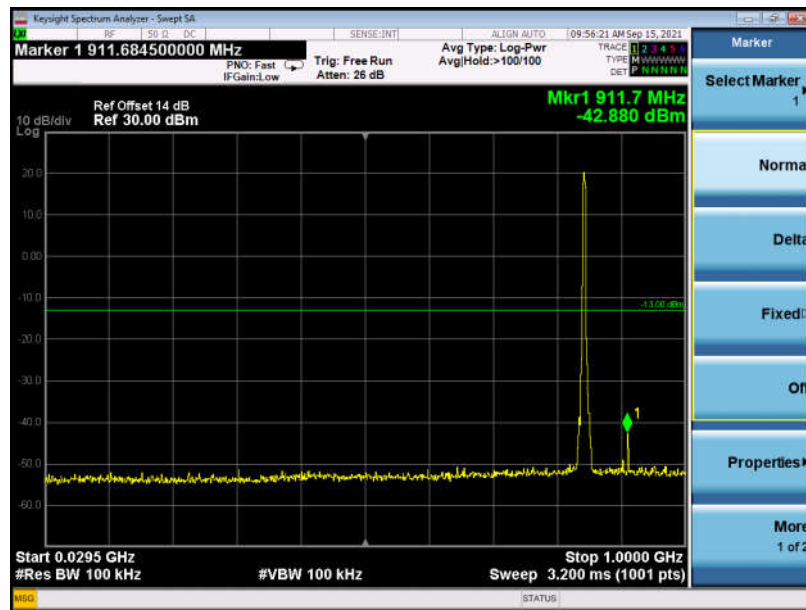
WCDMA850MHz Channel = 4132, 1GHz to 9GHz



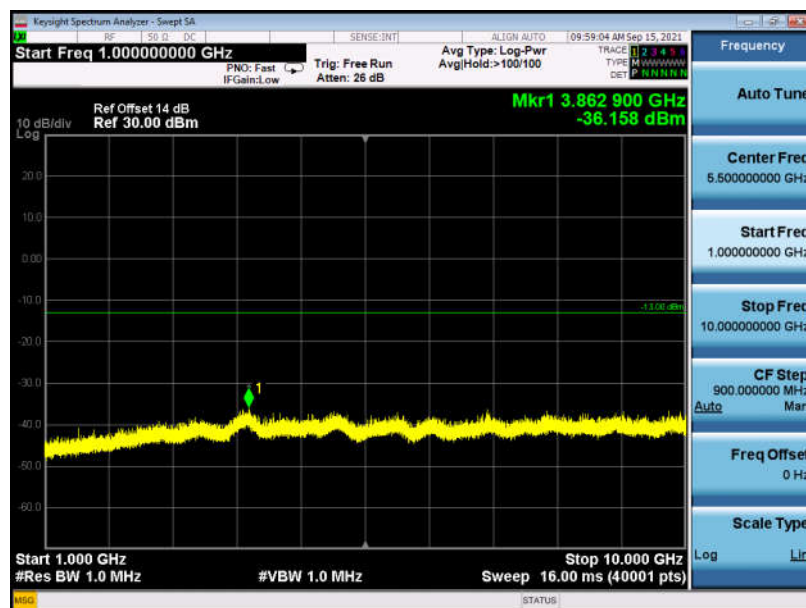
WCDMA850MHz Channel = 4183, 30MHz to 1GHz



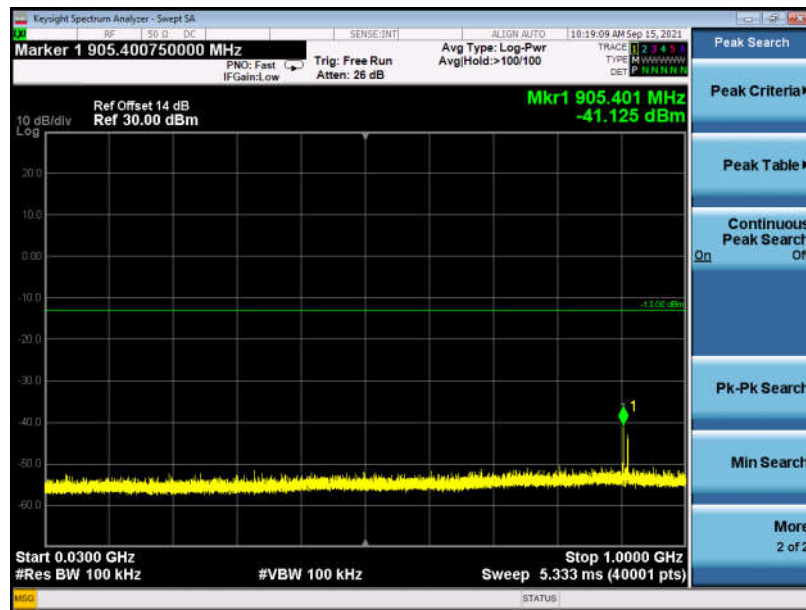
WCDMA850MHz Channel = 4183, 1GHz to 9GHz



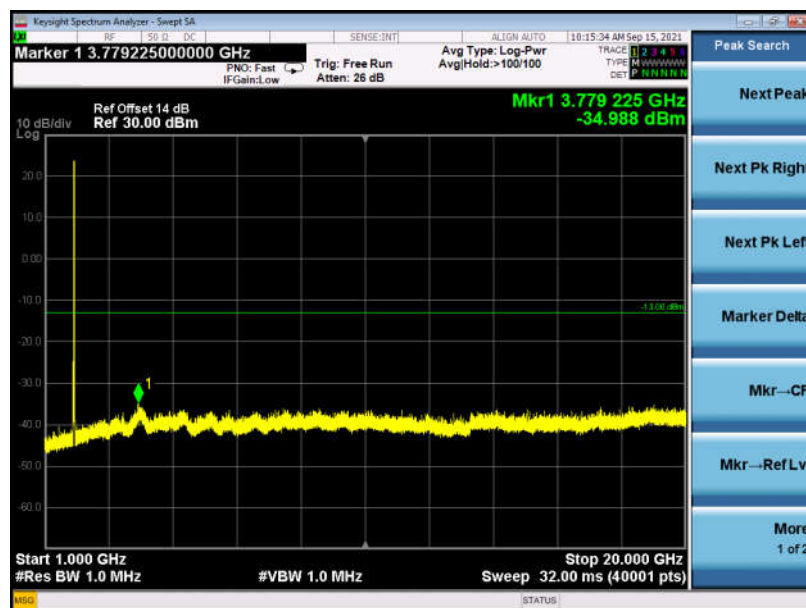
WCDMA850MHz Channel = 4233, 30MHz to 1GHz



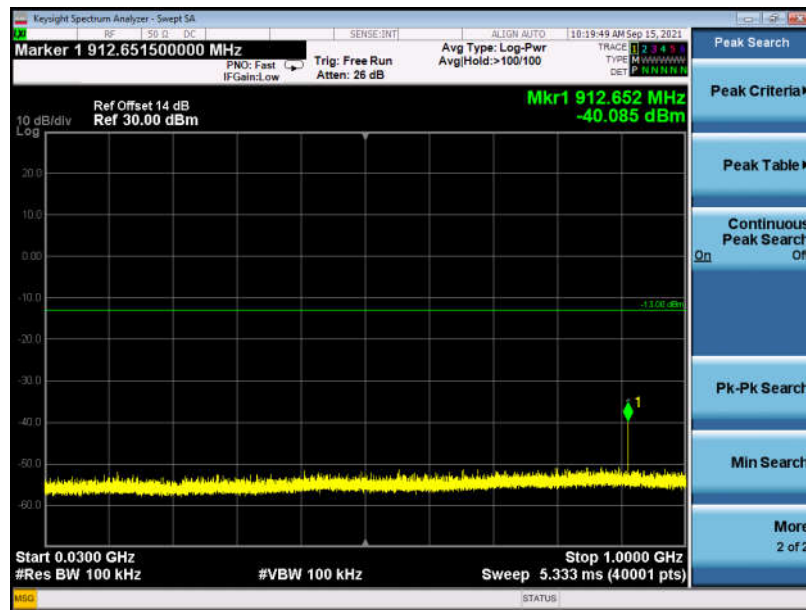
WCDMA850MHz Channel = 4233, 1GHz to 9GHz



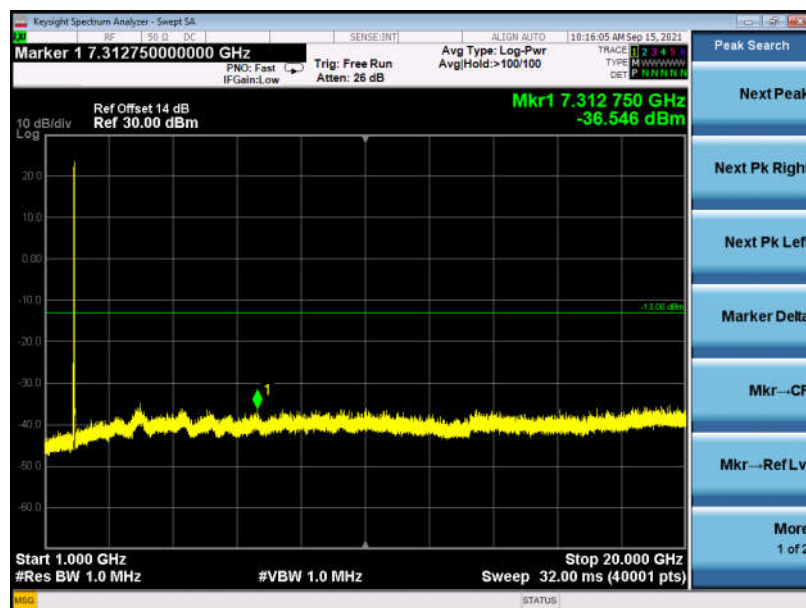
WCDMA1900MHz Channel = 9262, 30MHz to 1GHz



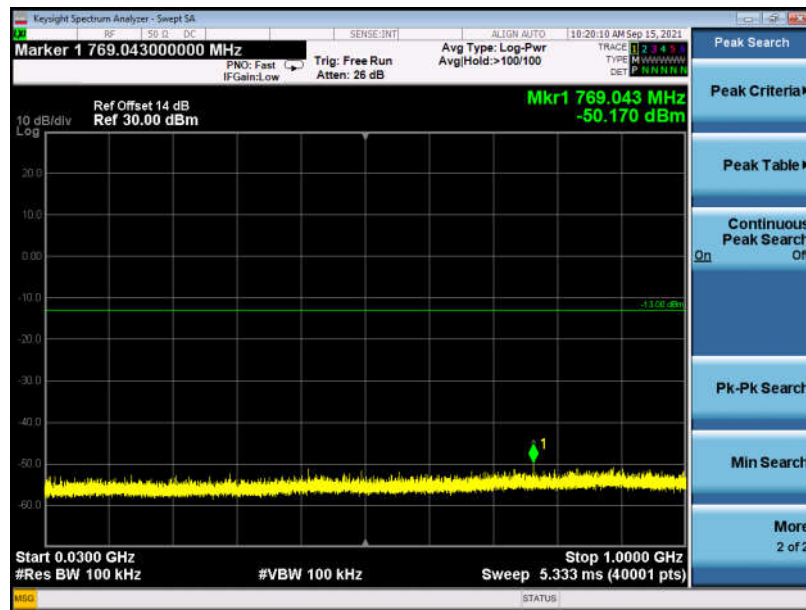
WCDMA1900MHz Channel = 9262, 1GHz to 20GHz



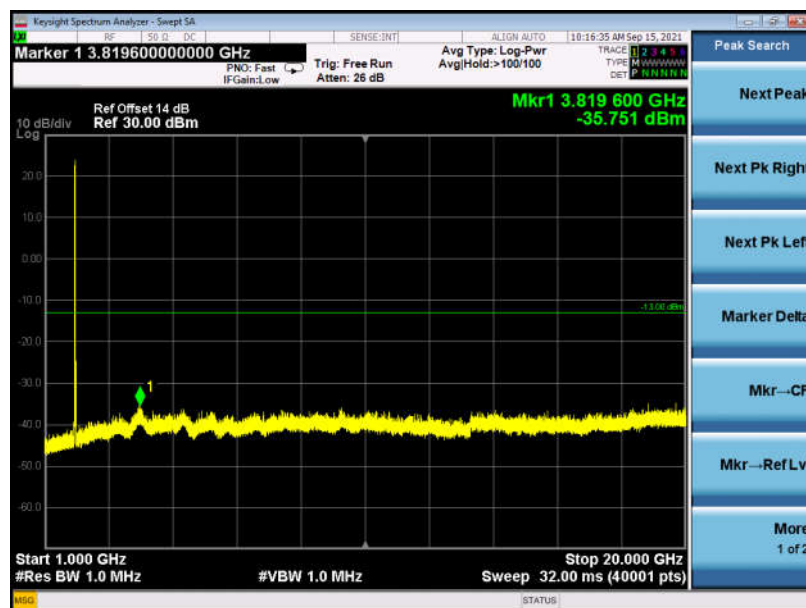
WCDMA1900MHz Channel = 9400, 30MHz to 1GHz



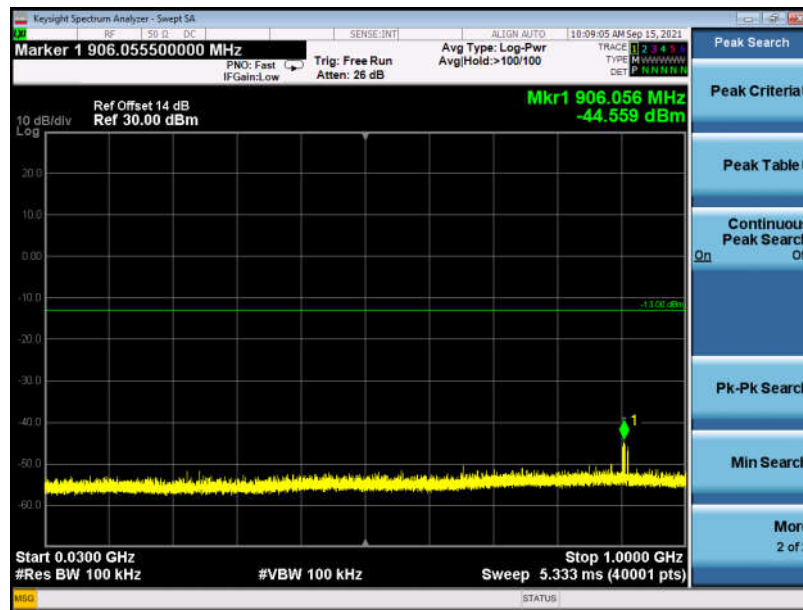
WCDMA1900MHz Channel = 9400, 1GHz to 20GHz



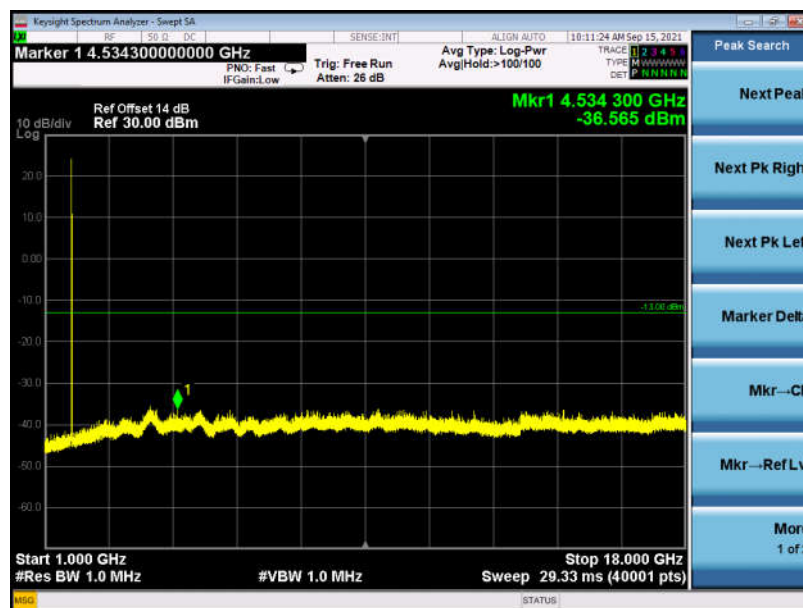
WCDMA1900MHz Channel = 9538, 30MHz to 1GHz



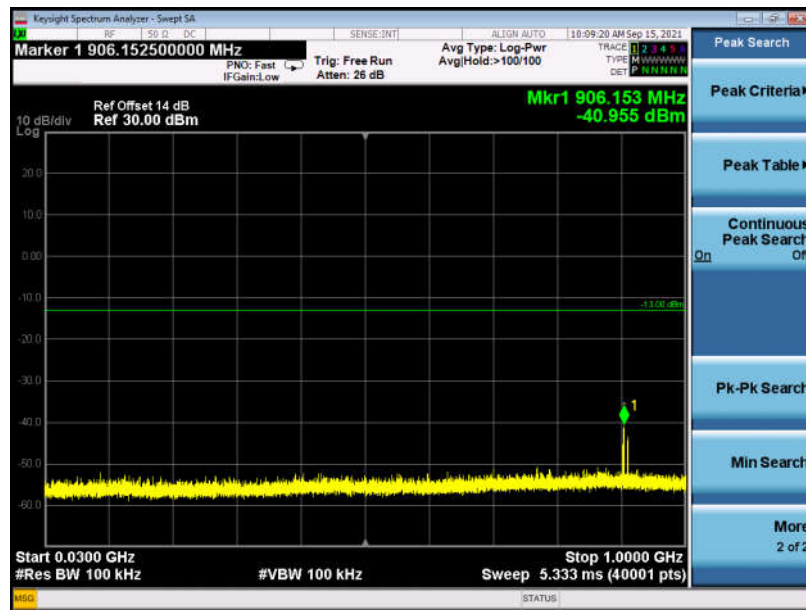
WCDMA1900MHz Channel = 9538 1GHz to 20GHz



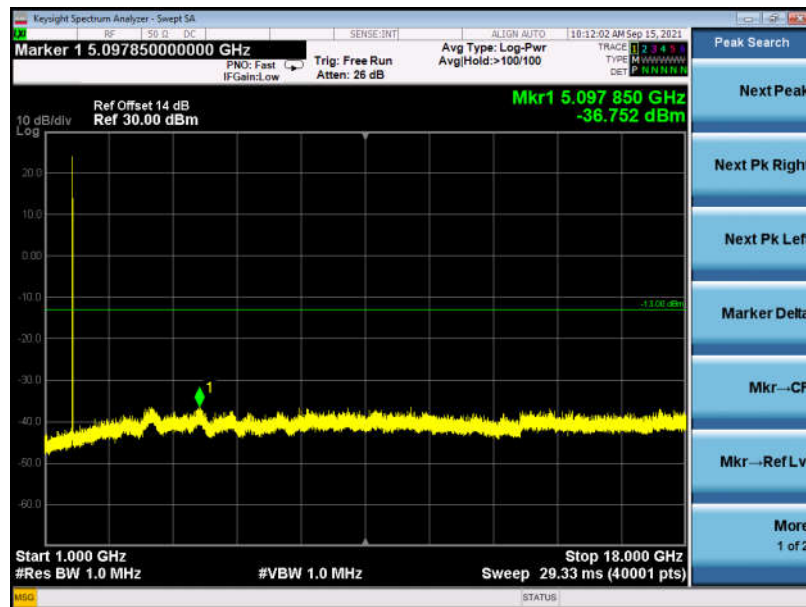
WCDMA1700MHz Channel = 1312, 30MHz to 1GHz



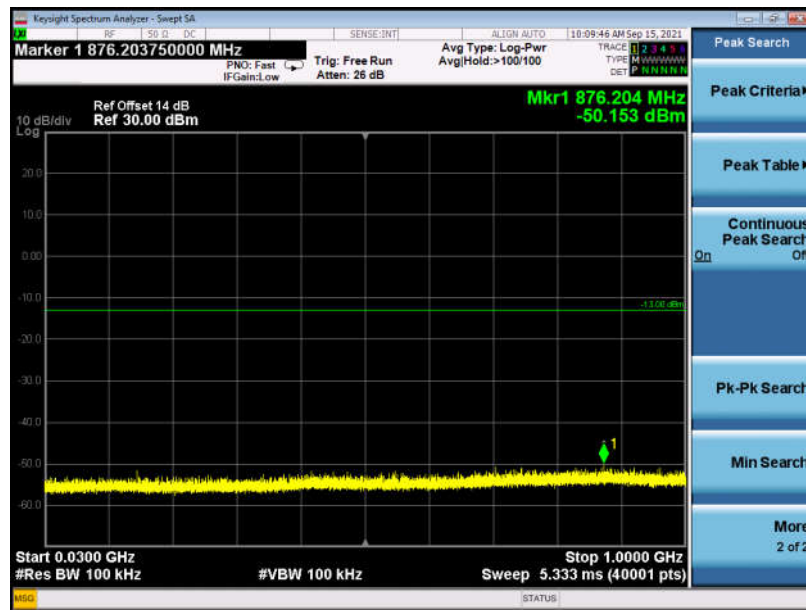
WCDMA1700MHz Channel = 1312, 1GHz to 18GHz



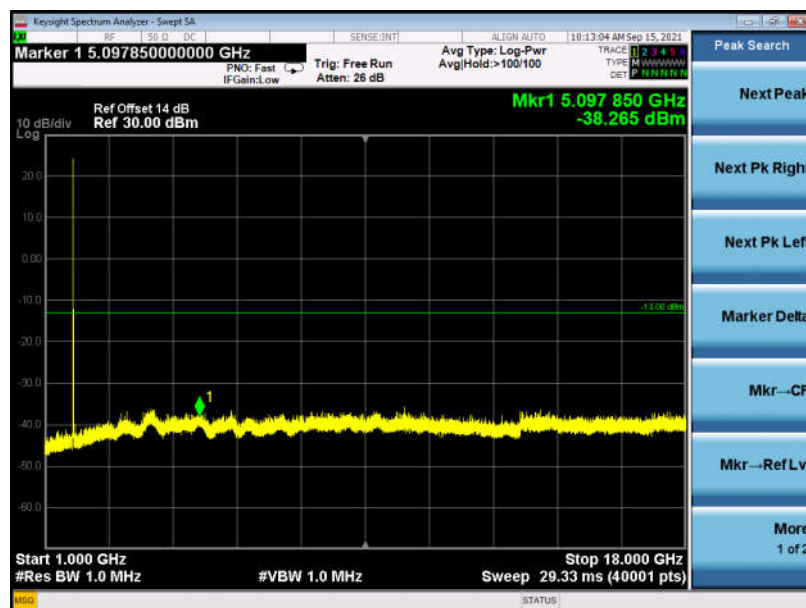
WCDMA1700MHz Channel = 1412, 30MHz to 1GHz



WCDMA1700MHz Channel = 1412, 1GHz to 18GHz



WCDMA1700MHz Channel = 1513, 30MHz to 1GHz



WCDMA1700MHz Channel = 1513, 1GHz to 18GHz

2.6 Bandedge

2.6.1 Requirement

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.

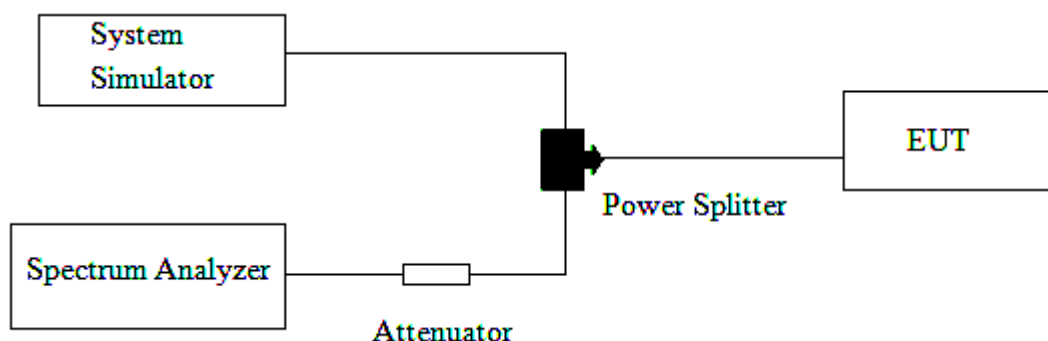
2.6.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.6.3 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.
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 band GPRSs of low and high channels for the highest RF powers were measured.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

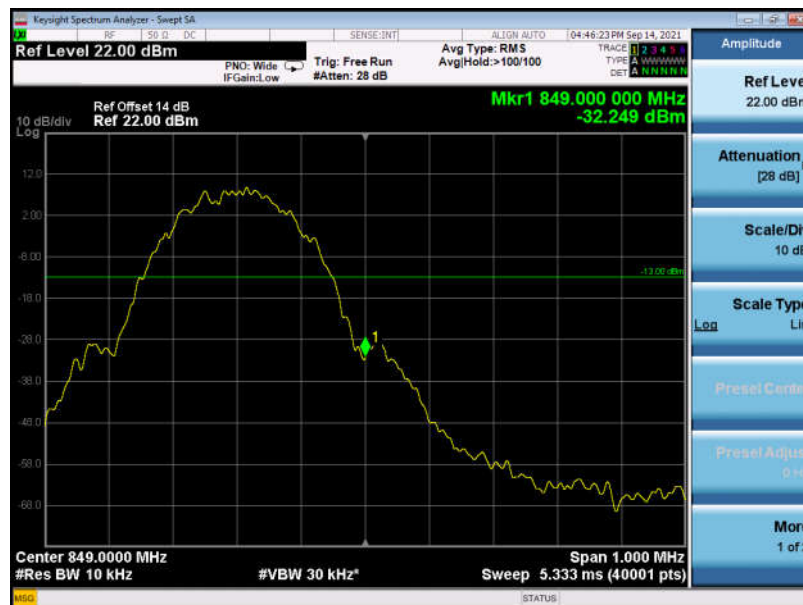
2.6.4 Test Setup



2.6.5 Test Result of Conducted Bandedge



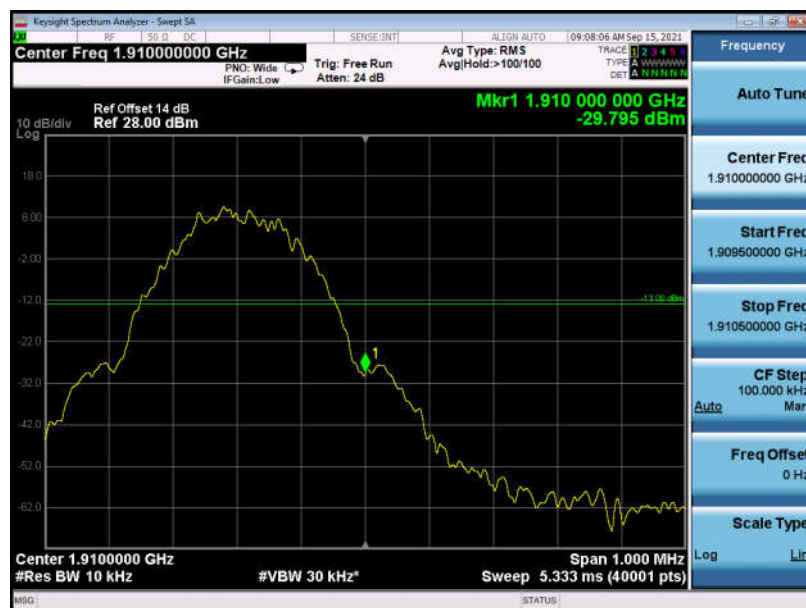
(Plot A: GSM 850 Channel = 128)



(Plot B: GSM 850 Channel = 251)



(Plot C: GSM 1900 Channel = 512)



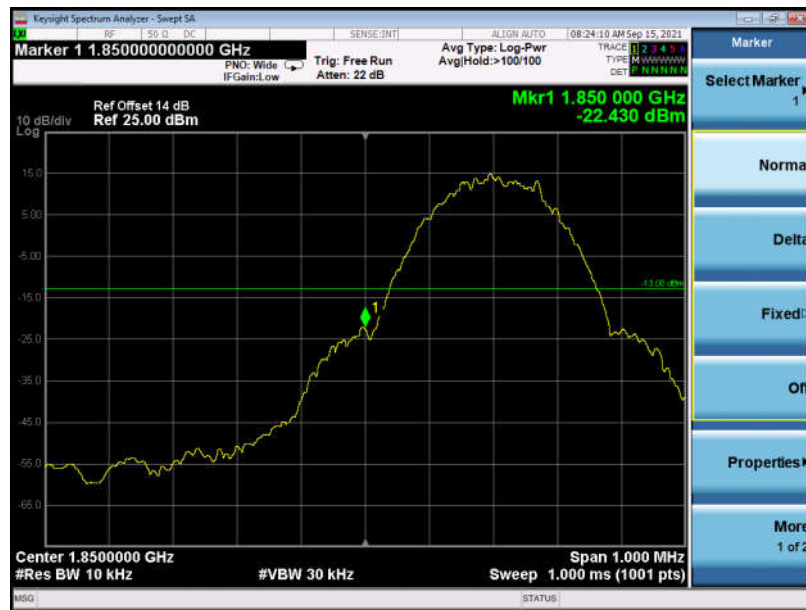
(Plot D: GSM 1900 Channel = 810)



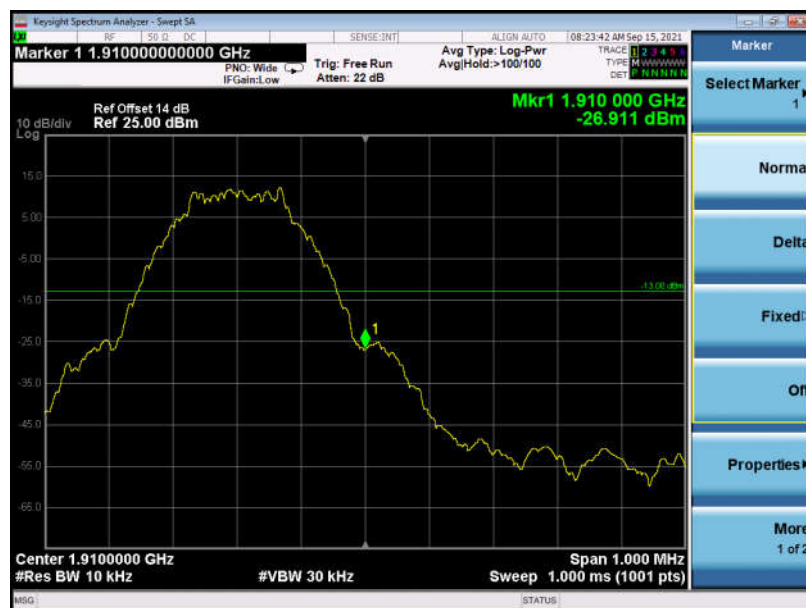
(Plot E: EDGE 850 Channel = 128)



(Plot F: EDGE 850 Channel = 251)



(Plot G: EDGE 1900 Channel = 512)



(Plot H: EDGE 1900 Channel = 810)



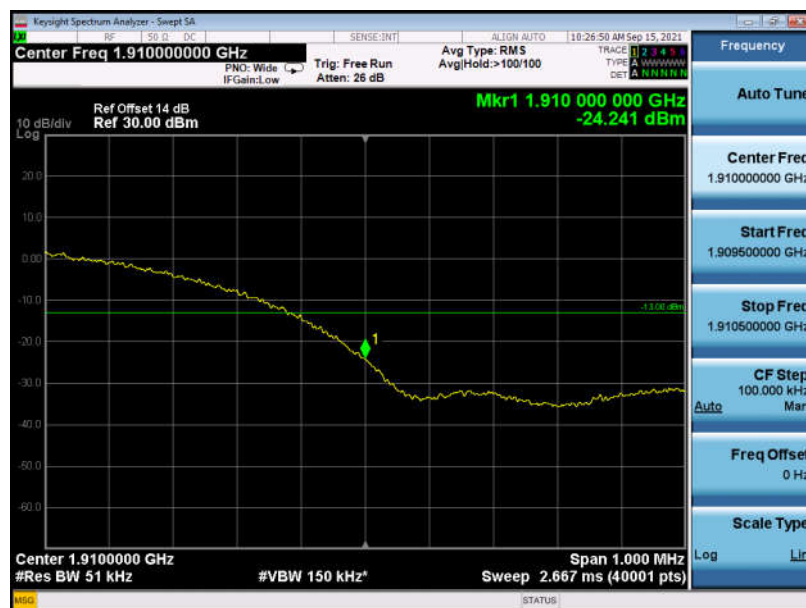
(Plot I: WCDMA 850 Channel = 4132)



(Plot J: WCDMA 850 Channel = 4233)



(Plot K: WCDMA 1900 Channel = 9262)



(Plot L: WCDMA 1900 Channel = 9538)



(Plot M: WCDMA 1700 Channel = 1312)



(Plot N: WCDMA 1700 Channel = 1513)

2.7 Transmitter Radiated Power (EIRP/ERP)

2.7.1 Requirement

The substitution method, in ANSI C63.26:2015, was used for ERP/EIRP measurement, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v03r01. 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) and 1 Watts (AWS Band).

2.7.2 Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.7.3 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.2.1. (for CDMA/WCDMA), Section 5.2.2.2 (for GPRS/GPRS/GPRS) and ANSI / TIA-603-D-2010 Section 2.2.17.
2. The EUT was placed on a turntable 1.5 meters high in a fully anechoic chamber.
3. The EUT was placed 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. GPRS operating modes: Set RBW= 1MHz, VBW= 3MHz, RMS detector over burst;
UMTS operating modes: Set RBW= 100 kHz, VBW= 300 kHz, RMS detector over frame, and use channel power option with bandwidth=5MHz, per KDB 971168 D01 v03r01.
5. The table was rotated 360 degrees to determine the position of the highest radiated power.
6. The height of the receiving antenna is adjusted to look for the maximum ERP/EIRP.
7. Taking the record of maximum ERP/EIRP.
8. A dipole antenna was substituted in place of the EUT and was driven by a signal generator.
9. The conducted power at the terminal of the dipole antenna is measured.

10. Repeat step 3 to step 5 to get the maximum ERP/EIRP of the substitution antenna.

$$11. \text{ERP/EIRP} = P_s + E_t - E_s + G_s = P_s + R_t - R_s + G_s$$

P_s (dBm): Input power to substitution antenna.

G_s (dBi or dBd): Substitution antenna Gain.

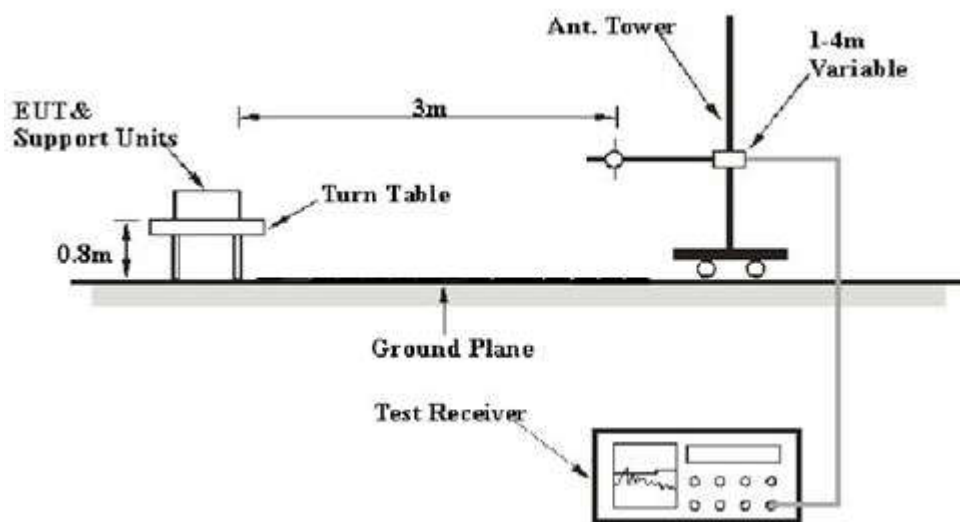
$$E_t = R_t + \text{AF} \quad E_s = R_s + \text{AF}$$

AF (dB/m): Receive antenna factor

R_t : The highest received signal in spectrum analyzer for EUT.

R_s : The highest received signal in spectrum analyzer for substitution antenna.

2.7.4 Test Setup



2.7.5 Test Result of Transmitter Radiated Power

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
GPRS 850MHz	128	824.20	5	H	32.12	38.5	PASS
				V	30.16		
	190	836.60	5	H	32.33		PASS
				V	31.14		
	251	848.80	5	H	32.24		PASS
				V	30.26		

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
GPRS 1900MHz	512	1850.2	0	H	29.06	33	PASS
				V	28.14		
	661	1880.0	0	H	28.89		PASS
				V	28.01		
	810	1909.8	0	H	29.27		PASS
				V	28.15		

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
EDGE 850MHz	128	824.20	5	H	25.49	38.5	PASS
				V	24.26		
	190	836.60	5	H	25.52		PASS
				V	24.33		
	251	848.80	5	H	25.11		PASS
				V	24.34		

Band	Channel	Frequency (MHz)	PCL	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
EDGE 1900MHz	512	1850.2	0	H	26.26	33	PASS
				V	24.34		
	661	1880.0	0	H	26.41		PASS
				V	24.11		
	810	1909.8	0	H	26.39		PASS
				V	24.18		

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured ERP dBm	Limit dBm	Verdict
WCDMA 850MHz	4132	826.4	H	22.24	38.5	PASS
			V	22.10		
	4175	835	H	22.32		PASS
			V	22.10		
	4233	846.6	H	22.33		PASS
			V	21.89		

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
WCDMA 1900MHz	9262	1852.4	H	24.08	33	PASS
			V	23.74		
	9400	1880	H	24.15		PASS
			V	23.24		
	9538	1907.6	H	24.23		PASS
			V	23.99		

Band	Channel	Frequency (MHz)	Antenna Pol (H/V)	Measured EIRP dBm	Limit dBm	Verdict
WCDMA 1700MHz	1312	1712.4	V	24.32	30	PASS
			H	23.31		
	1413	1732.4	V	24.18		PASS
			H	23.14		
	1513	1752.6	V	24.88		PASS
			H	23.94		

2.8 Radiated Spurious Emissions

2.8.1 Requirement

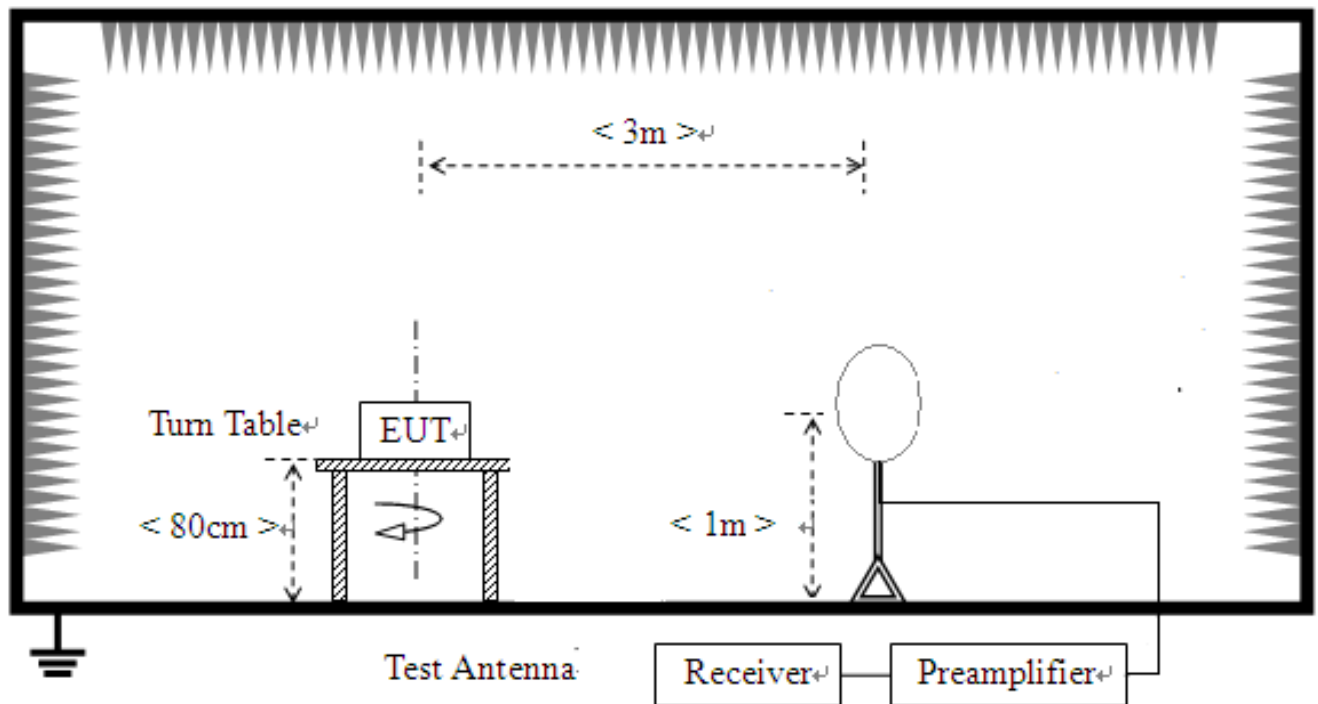
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

2.8.2 Measuring Instruments

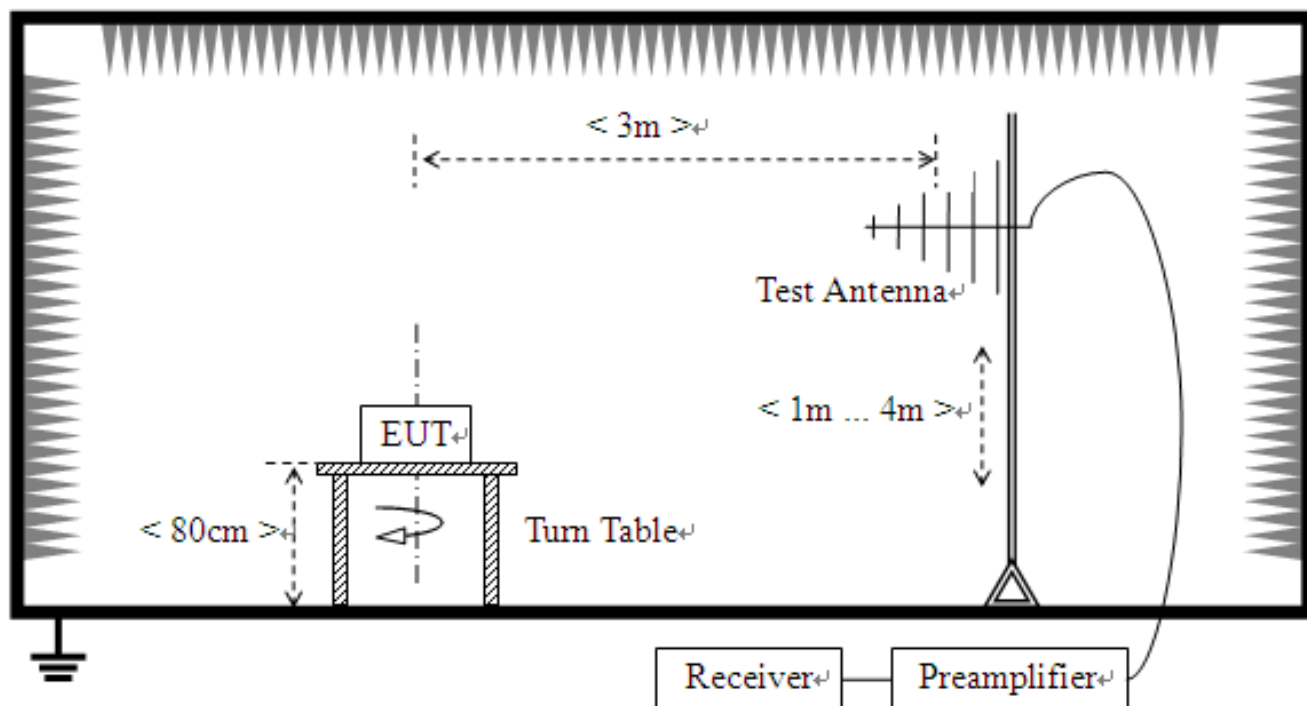
The measuring equipment is listed in the section 3 of this test report.

2.8.3 Test Setup

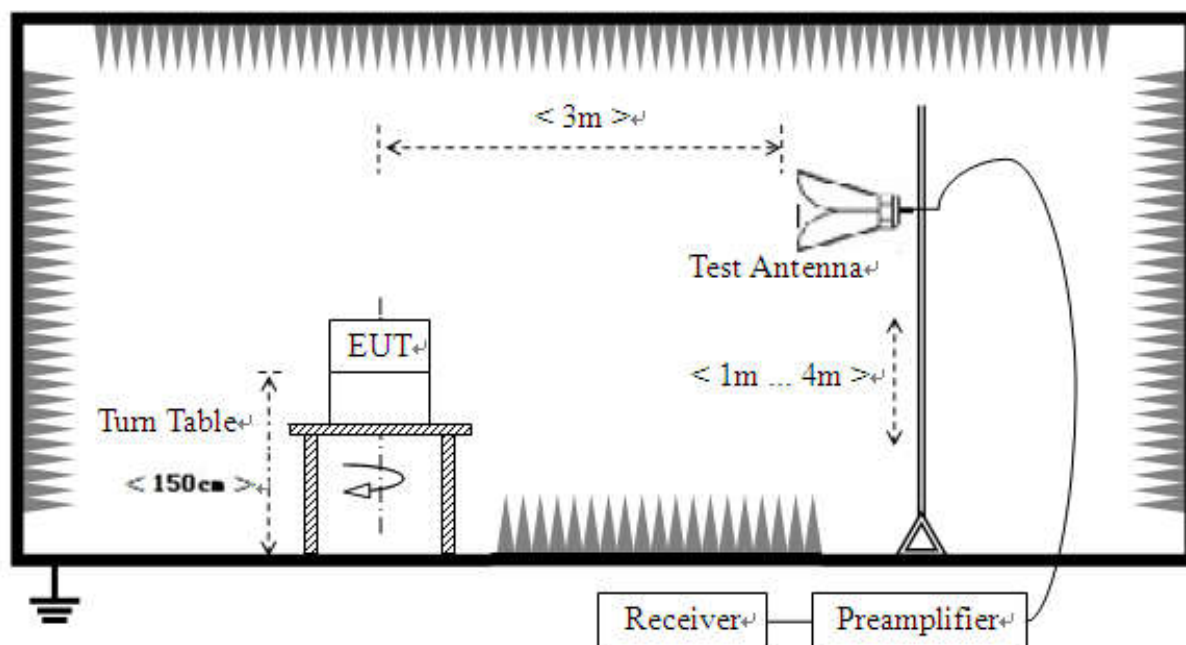
For radiated emissions from 9 kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



2.8.4 Test Procedures

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8.
2. The EUT was placed on a rotatable wooden table 0.8/1.5 meters above the ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
12. 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)
 $= -13\text{dBm}$.
13. This device employs GMSK technology with GPRS and GPRS capabilities. All configurations were investigated and the worst case emissions were found in GPRS mode.
14. This device employs UMTS technology with WCDMA (AMR/RMC), HSDPA, HSUPA capabilities. All configurations were investigated and the worst case UMTS emissions were found in RMC WCDMA mode at 12.2Kbps.
15. This unit was tested with its standard battery.
16. All Spurious Emission tests were performed in X, Y, Z axis direction and low, middle, high channel. And only the worst axis test condition was recorded in this test report.

17. The spectrum is measured from 9 KHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. The worst case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
18. For 9KHz to 30MHz: the amplitude of spurious emissions are attenuated by more than 20dB below the permissible value has no need to be reported.

2.8.5 Test Results of Radiated Spurious Emissions

Note: 1. (Absolute)Level=Reading Level + Factor

Worst-Case test data provide as below:

GSM850 Middle Channel

30MHz~10GHz:

Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7934	-86.10	-61.74	-13.00	48.74	24.36	Horizontal
2	74.1571	-86.49	-65.23	-13.00	52.23	21.26	Horizontal
3	93.5668	-87.16	-65.91	-13.00	52.91	21.25	Horizontal
4	156.163	-94.24	-71.01	-13.00	58.01	23.23	Horizontal
5	2928.96	-57.52	-49.71	-13.00	36.71	7.81	Horizontal
6	7974.98	-60.12	-41.65	-13.00	28.65	18.47	Horizontal
Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7934	-85.65	-63.05	-13.00	50.05	22.60	Vertical
2	93.0815	-89.28	-63.58	-13.00	50.58	25.70	Vertical
3	157.133	-93.15	-71.34	-13.00	58.34	21.81	Vertical
4	305.132	-102.36	-75.55	-13.00	62.55	26.81	Vertical
5	2374.68	-57.54	-54.32	-13.00	41.32	3.22	Vertical
6	5041.02	-59.72	-45.99	-13.00	32.99	13.73	Vertical

Worst-Case test data provide as below:

GSM1900 Middle Channel

30MHz~20GHz:

Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	533.681	-86.62	-54.61	-13.00	41.61	32.01	Horizontal
2	677.798	-89.17	-54.55	-13.00	41.55	34.62	Horizontal
3	932.551	-88.18	-50.87	-13.00	37.87	37.31	Horizontal
4	2973.32	-57.14	-48.05	-13.00	35.05	9.09	Horizontal
5	3757.87	-58.27	-47.81	-13.00	34.81	10.46	Horizontal
6	5363.68	-59.55	-44.76	-13.00	31.76	14.79	Horizontal
Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	76.5833	-84.35	-62.56	-13.00	49.56	21.79	Vertical
2	474.967	-87.70	-57.80	-13.00	44.80	29.90	Vertical
3	837.929	-87.10	-51.54	-13.00	38.54	35.56	Vertical
4	2994.66	-58.06	-49.06	-13.00	36.06	9.00	Vertical
5	3750.37	-58.37	-48.02	-13.00	35.02	10.35	Vertical
6	5611.30	-59.66	-43.65	-13.00	30.65	16.01	Vertical

Worst-Case test data provide as below:

WCDMA 850 Middle Channel

30MHz~10GHz:

Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7968	-90.78	-68.43	-13.00	55.43	22.35	Horizontal
2	48.4484	-88.98	-69.39	-13.00	56.39	19.59	Horizontal
3	682.492	-102.87	-68.28	-13.00	55.28	34.59	Horizontal
4	2068.53	-56.68	-53.63	-13.00	40.63	3.05	Horizontal
5	3244.12	-57.65	-48.48	-13.00	35.48	9.17	Horizontal
6	3700.35	-58.22	-47.88	-13.00	34.88	10.34	Horizontal
Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7968	-88.61	-68.02	-13.00	55.02	20.59	Vertical
2	63.9840	-92.40	-71.88	-13.00	58.88	20.52	Vertical
3	774.734	-104.08	-68.08	-13.00	55.08	36.00	Vertical
4	1829.41	-56.18	-56.86	-13.00	43.86	-0.68	Vertical
5	2679.83	-56.97	-51.69	-13.00	38.69	5.28	Vertical
6	3660.33	-57.55	-47.68	-13.00	34.68	9.87	Vertical

Worst-Case test data provide as below:

WCDMA 1900 Middle Channel

30MHz~20GHz:

Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	47.4775	-87.64	-67.82	-13.00	54.82	19.82	Horizontal
2	361.101	-98.34	-69.73	-13.00	56.73	28.61	Horizontal
3	813.573	-104.02	-66.87	-13.00	53.87	37.15	Horizontal
4	3820.82	-57.85	-47.53	-13.00	34.53	10.32	Horizontal
5	5286.28	-59.50	-44.75	-13.00	31.75	14.75	Horizontal
6	6395.39	-59.86	-41.25	-13.00	28.25	18.61	Horizontal
Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	63.9840	-91.42	-70.90	-13.00	57.90	20.52	Vertical
2	596.076	-103.22	-70.34	-13.00	57.34	32.88	Vertical
3	972.812	-103.38	-65.61	-13.00	52.61	37.77	Vertical
4	3948.94	-57.68	-48.29	-13.00	35.29	9.39	Vertical
5	5066.06	-58.56	-44.51	-13.00	31.51	14.05	Vertical
6	6243.24	-59.57	-41.75	-13.00	28.75	17.82	Vertical

Worst-Case test data provide as below:

WCDMA 1700 Middle Channel

30MHz~20GHz:

Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7934	-87.14	-67.25	-13.00	54.25	19.89	Vertical
2	74.1571	-88.41	-67.71	-13.00	54.71	20.70	Vertical
3	214.392	-95.73	-75.94	-13.00	62.94	19.79	Vertical
4	555.032	-104.38	-75.48	-13.00	62.48	28.90	Vertical
5	2725.86	-58.43	-50.51	-13.00	37.51	7.92	Vertical
6	7172.08	-59.98	-43.42	-13.00	30.42	16.56	Vertical
Suspected List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	36.7934	-86.63	-64.98	-13.00	51.98	21.65	Horizontal
2	127.533	-92.54	-73.50	-13.00	60.50	19.04	Horizontal
3	213.421	-95.48	-74.05	-13.00	61.05	21.43	Horizontal
4	523.977	-104.12	-74.47	-13.00	61.47	29.65	Horizontal
5	3202.60	-59.26	-50.09	-13.00	37.09	9.17	Horizontal
6	7202.10	-61.07	-44.07	-13.00	31.07	17.00	Horizontal



3. LIST OF MEASURING EQUIPMENT

Radiated spurious emission measuring equipment

Description	Manufacturer	Model	Serial No.	Cal. Date	Due Date	Remark
EMI Test Receiver	R&S	ESR3	A181103297	2021.06.25	2022.06.24	Radiation
Loop Antenna	Schwarz beck	HFH2-Z2	100047	2019.04.26	2022.04.25	Radiation
Broadband antenna (30MHz~1GHz)	Schwarbeck	BBHA 9120 J	A190503537	2019.01.07	2022.01.06	Radiation
Broadband antenna (30MHz~1GHz)	R&S	VULB9160	A0805560	2019.05.24	2022.05.23	Radiation
Double ridge horn antenna (1GHz~18GHz)	R&S	HF906	100150	2019.04.27	2022.04.26	Radiation
Double ridge horn antenna (1GHz~18GHz)	R&S	HF906	100149	2019.04.17	2022.04.16	Radiation
Horn antenna (18GHz~26.5GHz)	AR	AT4510	A0804450	2020.06.19	2023.06.18	Radiation
Horn antenna (18GHz~26.5GHz)	AR	AT4003A	0329293	2020.09.17	2021.09.16	Radiation
Amplifier 30M~1GHz	MILMEGA	80RF1000-10004	A140101634	2020.09.22	2023.09.21	Radiation
Amplifier 1G~18GHz	MILMEGA	AS0104R-800/40 0	A160302517	2021.01.26	2022.01.25	Radiation
Spectrum Analyzer	KEYSIGHT	N9030A	A160702554	2021.04.26	2022.04.25	Conducted
Test Receiver	R&S	ESIB7	A0501375	2021.05.24	2022.05.23	Conducted
Temperature chamber	TABAI	PS-232	A8708054	2020.10.30	2021.10.29	Conducted
Wideband Radio Communication tester	R&S	CMW500	A130101034	2021.01.26	2023.01.25	Conducted
Power Supply	R&S	WYJ-60100	A141102031	2020.01.16	2023.01.15	Conducted

4. UNCERTAINTY OF EVALUATION

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Emission Measurement (150KHz~30MHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	2.8dB
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Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	3.91dB
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Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.5dB
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Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

Measuring Uncertainty for a level of confidence of 95%($U=2U_c(y)$)	4.9dB
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**** END OF REPORT ****