



FCC RADIO TEST REPORT

FCC ID : A4RG025J
Equipment : Phone
Model Name : G025J, G025N, G025M
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC 47 CFR Part 2, and 90(S)

The product was received on Jan. 16, 2020 and testing was started from Jan. 21, 2020 and completed on Mar. 19, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FG9D0616-05E	01	Initial issue of report	Mar. 24, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 §90.635	Conducted Output Power and Effective Radiated Power	Pass	-
3.3	-	Peak-to-Average Ratio	Reporting only	-
3.4	§2.1049 §90.209	Bandwidth Limitations	Reporting only	-
3.5	§2.1051 §90.691	Emission masks – In-band emissions	Pass	-
3.6	§2.1051 §90.691	Emission masks – Out of band emissions	Pass	-
3.7	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	Pass	-
4.2	§2.1053 §90.691	Field Strength of Spurious Radiation	Pass	Under limit 40.540 dB at 2456.000 MHz for Primary Antenna Under limit 38.790 dB at 1637.000 MHz for ASDIV Antenna

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Lucy Wu

1 General Description

1.1 Feature of Equipment Under Test

Product Feature	
Equipment	Phone
Model Name	G025J, G025N, G025M
FCC ID	A4RG025J
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	Performed Test Item
01021FQC200422	Conducted Measurement
01021FQC200313	Radiated Spurious Emission

1.2 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	817.9 MHz ~ 823.1 MHz
Rx Frequency	862.9 MHz ~ 868.1 MHz
Maximum Output Power to Antenna	<Primary Antenna>: 25.03 dBm <ASDIV Antenna>: 24.63 dBm
Antenna Type / Gain	<Primary Antenna>: PIFA Antenna type <ASDIV Antenna>: PIFA Antenna type
Type of Modulation	CDMA2000 1xRTT: QPSK CDMA2000 1xEV-DO: QPSK/8PSK

<Primary Antenna>

Radio Tech	Band Number	Antenna name	Gain
CDMA	BC10	ANT0	-2.2

<ASDIV Antenna>

Radio Tech	Band Number	Antenna name	Gain
CDMA	BC10	ANT1	-3.5

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Louis Chung
Temperature	23.2~24.6°C
Relative Humidity	52.6~58.2%

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH13-HY
Test Engineer	Jimmy Chung , Karl Hou and Wilson Wu
Temperature	21.5~23.5°C
Relative Humidity	49.5~55.5%

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW0007

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR Part 2, 90
- ♦ ANSI / TIA-603-E
- ♦ ANSI C63.26-2015
- ♦ 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.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

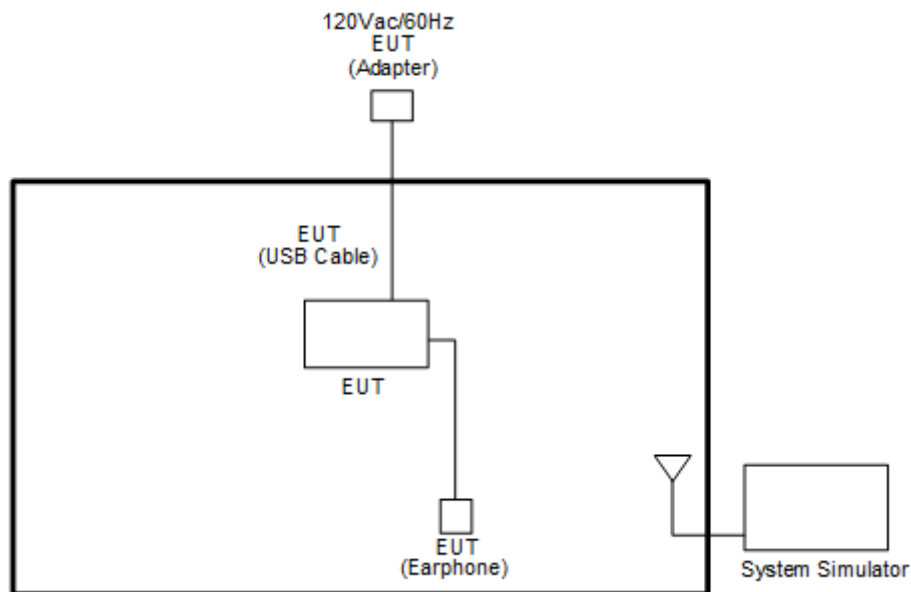
Radiated emissions were investigated as following frequency range:

1. 30 MHz to 9000 MHz for CDMA BC10.

Test Modes		
Band	Radiated TCs	Conducted TCs
CDMA2000 BC10	■ 1xRTT Link	■ 1xRTT Link ■ 1xEV-DO1xRTT Link

Remark: All the radiated test cases were performed with Adapter 1, Battery 1 and USB Cable 1.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m

2.4 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 RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.2 dB and a 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/Frequency(MHz)	Lowest	Middle	Highest
CDMA2000 BC10	Channel	476	580	684
	Frequency	817.9	820.5	823.1

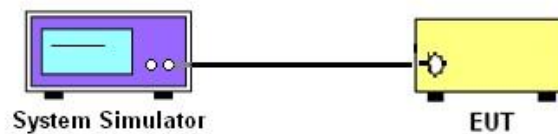
3 Conducted Test Items

3.1 Measuring Instruments

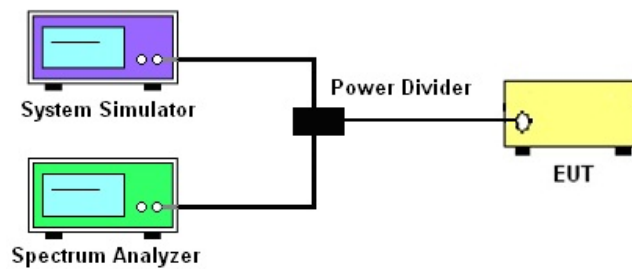
See list of measuring instruments of this test report.

3.1.1 Test Setup

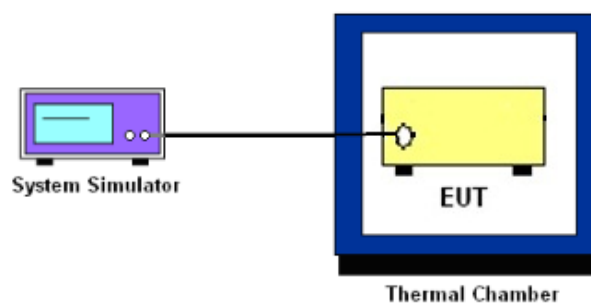
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth, Emission Masks – In-Band Emissions, and Emission Masks – Out of Band Emissions



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

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.

3.2.2 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.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Reporting only

3.3.2 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Bandwidth Limitations Measurement

3.4.1 Description of (Occupied) Bandwidth Limitations Measurement

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.

3.4.2 Test Procedures

1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
2. 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.
3. The 99% occupied bandwidth were measured, set RBW= 1% of span, VBW $\geq$ 3*RBW, sample detector, trace maximum hold.
4. The 26dB bandwidth were measured, set RBW= 1% of EBW, VBW $\geq$ 3*RBW, peak detector, trace maximum hold.



3.5 Emissions Mask Measurement

3.5.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a)(1)

- (a). Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:
- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

3.5.2 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and the RBW correction factor $10 \log (1\% \text{ of OBW/measured RBW})$ (dB) was compensated, if required.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.6 Emissions Mask – Out Of Band Emissions Measurement

3.6.1 Description of Conducted Spurious Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth 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.

3.6.2 Test Procedures

1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
2. 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.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
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)



3.7 Frequency Stability Measurement

3.7.1 Description of Frequency Stability Measurement

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step 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.

3.7.3 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the base station.
2. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

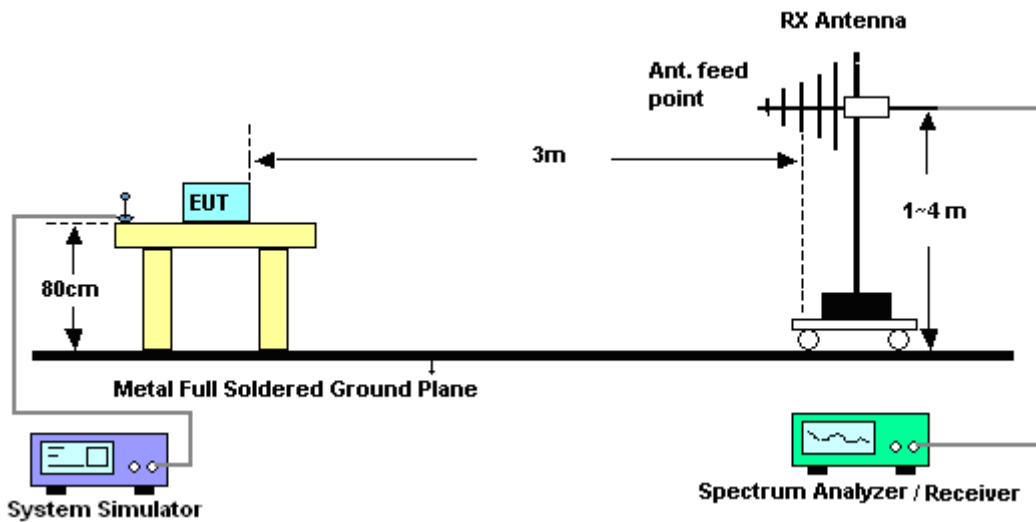
4 Radiated Test Items

4.1 Measuring Instruments

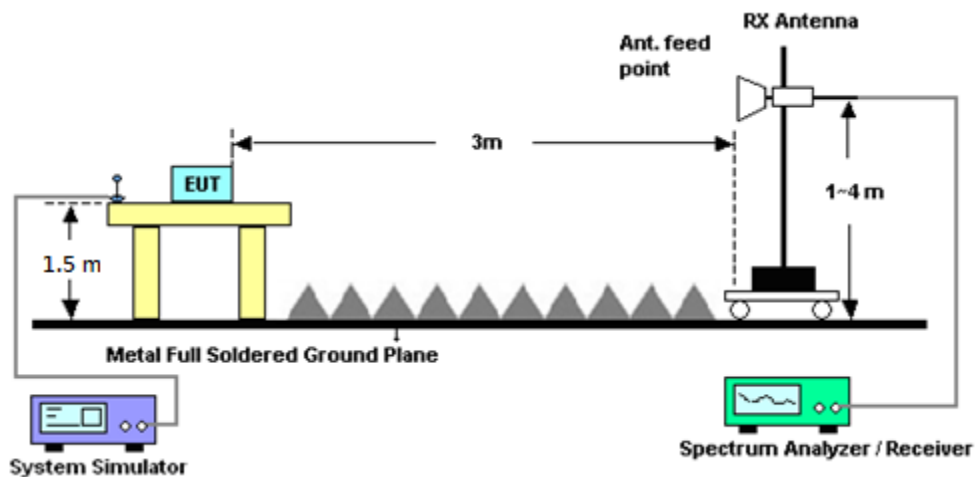
See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

4.2 Field Strength of Spurious Radiation Measurement

4.2.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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 $43+10\log_{10}(P[\text{Watts}])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

1. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. 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.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 06, 2019	Feb. 04, 2020~ Feb. 05, 2020	Mar. 05, 2020	Conducted (TH03-HY)
Hygrometer	Testo	HTC-2	1	N/A	Jun. 17, 2019	Mar. 19, 2020	Jun. 16, 2020	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Sep. 04, 2019	Feb. 04, 2020~ Mar. 19, 2020	Sep. 03, 2020	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-641	92013721	-30℃ ~70℃	Nov. 26, 2019	Feb. 04, 2020~ Feb. 05, 2020	Nov. 25, 2020	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~4A	Oct. 09, 2019	Feb. 04, 2020~ Feb. 05, 2020	Oct. 08, 2020	Conducted (TH03-HY)
Base Station(Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Aug. 23, 2019	Feb. 04, 2020~ Feb. 05, 2020	Aug. 22, 2020	Conducted (TH03-HY)
Power Divider	Warison	WCOU-0.4-26 .5S-20	#A	N/A	Nov. 06, 2019	Feb. 04, 2020~ Feb. 05, 2020	Nov. 05, 2020	Conducted (TH03-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 17, 2019	Jan. 21, 2020~ Mar. 19, 2020	Dec. 16, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 30, 2019	Jan. 21, 2020~ Mar. 19, 2020	Apr. 29, 2020	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	41912 & 07	30MHz to 1GHz	Apr. 30, 2019	Jan. 21, 2020~ Mar. 19, 2020	Apr. 29, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-124 1	1GHz ~ 18GHz	Jul. 02, 2019	Jan. 21, 2020~ Mar. 19, 2020	Jul. 01, 2020	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-121 2	1GHz ~ 18GHz	May 14, 2019	Jan. 21, 2020~ Mar. 19, 2020	May 13, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 20, 2019	Jan. 21, 2020~ Mar. 19, 2020	May 19, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY532701 47	1GHz~26.5GHz	Oct. 28, 2019	Jan. 21, 2020~ Mar. 19, 2020	Oct. 27, 2020	Radiation (03CH13-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	Aug. 27, 2019	Jan. 21, 2020~ Mar. 19, 2020	Aug. 26, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY553705 26	10Hz~44GHz	Mar. 19, 2019	Jan. 21, 2020~ Mar. 17, 2020	Mar. 18, 2020	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz~44GHz	Feb. 10, 2020	Mar. 18, 2020~ Mar. 19, 2020	Feb. 09, 2021	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 21, 2020~ Mar. 19, 2020	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Jan. 21, 2020~ Mar. 19, 2020	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 21, 2020~ Mar. 19, 2020	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-00099 2	N/A	N/A	Jan. 21, 2020~ Mar. 19, 2020	N/A	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jan. 21, 2020~ Mar. 19, 2020	Dec. 12, 2020	Radiation (03CH13-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SF102/2*11S K252	MY4278/2	9kHz~40GHz	May 16, 2019	Jan. 21, 2020~Mar. 19, 2020	May 15, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 15, 2019	Jan. 21, 2020~Mar. 19, 2020	Apr. 14, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 13, 2019	Jan. 21, 2020~Mar. 11, 2020	Mar. 12, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 12, 2020	Mar. 13, 2020~Mar. 19, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 10, 2019	Jan. 21, 2020~Mar. 19, 2020	Dec. 09, 2020	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 576	18GHz~40GHz	May 14, 2019	Jan. 21, 2020~Mar. 19, 2020	May 13, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60SS	SN2	3GHz High Pass Filter	Jul. 14, 2019	Jan. 21, 2020~Mar. 19, 2020	Jul. 13, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-108 0-1200-15000 -60SS	SN3	1.2GHz High Pass Filter	Jul. 03, 2019	Jan. 21, 2020~Mar. 19, 2020	Jul. 02, 2020	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP157151	N/A	Jun. 17, 2019	Jan. 21, 2020~Mar. 19, 2020	Jun. 16, 2020	Radiation (03CH13-HY)

6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.21
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.24
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.99
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

<Primary Antenna>

Conducted Power (*Unit: dBm)			
Band	CDMA 2000 BC10		
Channel	476	580	684
Frequency	817.9	820.5	823.1
1xRTT RC1 SO55	24.87	24.81	24.99
1xRTT RC3 SO55	24.88	24.83	25.01
1xRTT RC3 SO32 (+ F-SCH)	24.86	24.82	25.02
1xRTT RC3 SO32 (+SCH)	24.89	24.85	25.03
1xEVDO RTAP 153.6Kbps	24.60	24.62	24.82
1xEVDO RETAP 4096Bits	24.56	24.59	24.80



<ASDIV Antenna>

Conducted Power (*Unit: dBm)			
Band	CDMA 2000 BC10		
Channel	476	580	684
Frequency	817.9	820.5	823.1
1xRTT RC1 SO55	24.47	24.41	24.59
1xRTT RC3 SO55	24.48	24.43	24.61
1xRTT RC3 SO32 (+ F-SCH)	24.46	24.42	24.62
1xRTT RC3 SO32 (+SCH)	24.49	24.45	24.63
1xEVDO RTAP 153.6Kbps	24.20	24.22	24.42
1xEVDO RETAP 4096Bits	24.16	24.19	24.40



A2. CDMA

Peak-to-Average Ratio

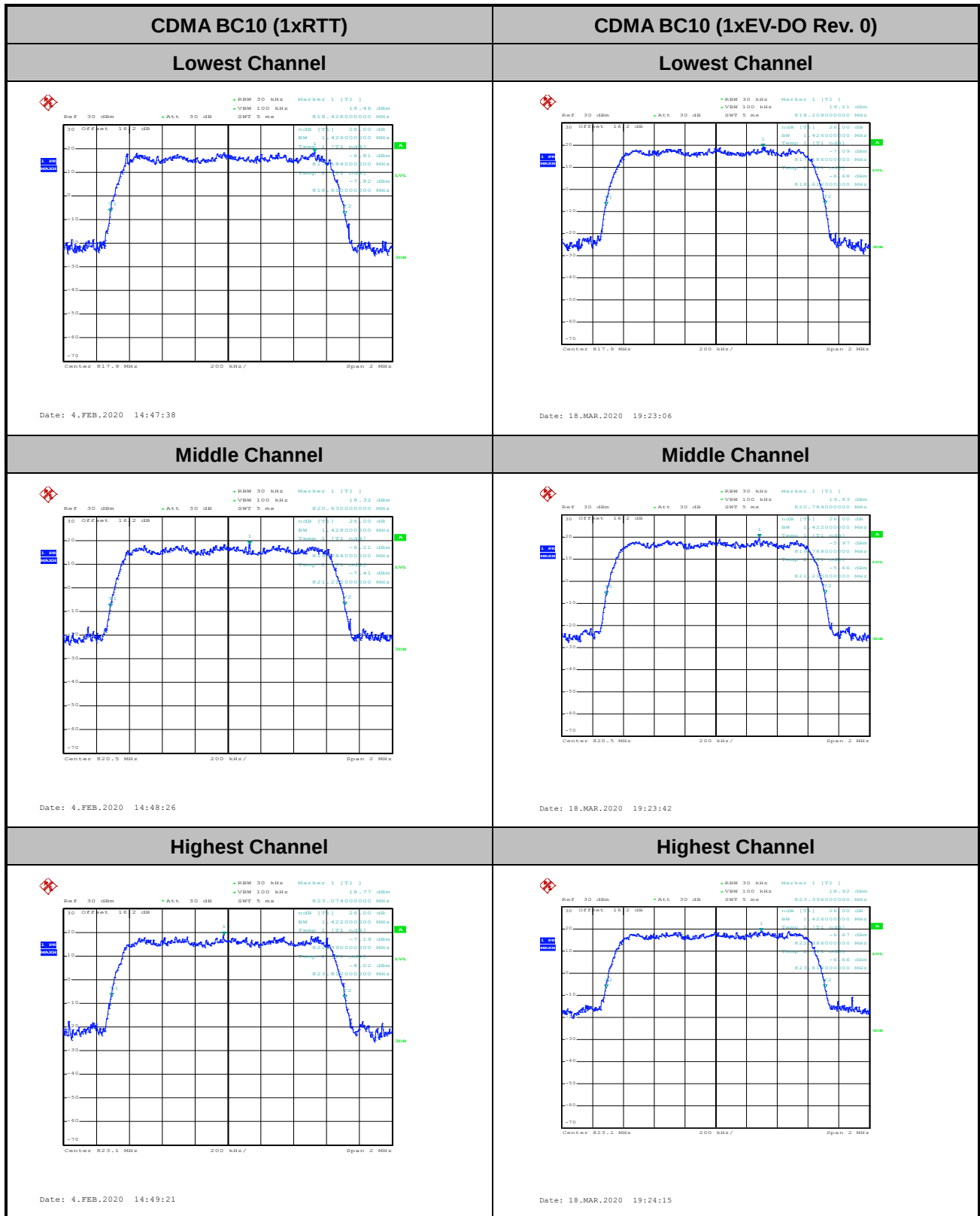
Mode	CDMA BC10	CDMA BC10	Limit: 13dB
Mod.	1xRTT	1xEV-DO Rev. 0	Result
Lowest CH	4.72	4.72	PASS
Middle CH	4.84	4.8	
Highest CH	4.8	4.64	



CDMA BC10 (1xRTT)	CDMA BC10 (1xEV-DO Rev. 0)																												
Lowest Channel	Lowest Channel																												
Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 817.9 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.73 dBm</td></tr><tr><td>Peak</td><td>27.57 dBm</td></tr><tr><td>Crest</td><td>4.84 dB</td></tr></table> <table><tr><td>10 %</td><td>2.52 dB</td></tr><tr><td>1 %</td><td>4.24 dB</td></tr><tr><td>.1 %</td><td>4.72 dB</td></tr><tr><td>.01 %</td><td>4.80 dB</td></tr></table> Date: 4.FEB.2020 15:07:10	Mean	22.73 dBm	Peak	27.57 dBm	Crest	4.84 dB	10 %	2.52 dB	1 %	4.24 dB	.1 %	4.72 dB	.01 %	4.80 dB	Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 817.9 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>24.08 dBm</td></tr><tr><td>Peak</td><td>28.89 dBm</td></tr><tr><td>Crest</td><td>4.80 dB</td></tr></table> <table><tr><td>10 %</td><td>3.24 dB</td></tr><tr><td>1 %</td><td>4.32 dB</td></tr><tr><td>.1 %</td><td>4.72 dB</td></tr><tr><td>.01 %</td><td>4.80 dB</td></tr></table> Date: 18.MAR.2020 19:34:29	Mean	24.08 dBm	Peak	28.89 dBm	Crest	4.80 dB	10 %	3.24 dB	1 %	4.32 dB	.1 %	4.72 dB	.01 %	4.80 dB
Mean	22.73 dBm																												
Peak	27.57 dBm																												
Crest	4.84 dB																												
10 %	2.52 dB																												
1 %	4.24 dB																												
.1 %	4.72 dB																												
.01 %	4.80 dB																												
Mean	24.08 dBm																												
Peak	28.89 dBm																												
Crest	4.80 dB																												
10 %	3.24 dB																												
1 %	4.32 dB																												
.1 %	4.72 dB																												
.01 %	4.80 dB																												
Middle Channel	Middle Channel																												
Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 820.5 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.13 dBm</td></tr><tr><td>Peak</td><td>27.36 dBm</td></tr><tr><td>Crest</td><td>5.22 dB</td></tr></table> <table><tr><td>10 %</td><td>2.48 dB</td></tr><tr><td>1 %</td><td>4.08 dB</td></tr><tr><td>.1 %</td><td>4.84 dB</td></tr><tr><td>.01 %</td><td>5.12 dB</td></tr></table> Date: 4.FEB.2020 15:07:43	Mean	22.13 dBm	Peak	27.36 dBm	Crest	5.22 dB	10 %	2.48 dB	1 %	4.08 dB	.1 %	4.84 dB	.01 %	5.12 dB	Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 820.5 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>24.07 dBm</td></tr><tr><td>Peak</td><td>28.96 dBm</td></tr><tr><td>Crest</td><td>4.89 dB</td></tr></table> <table><tr><td>10 %</td><td>3.24 dB</td></tr><tr><td>1 %</td><td>4.36 dB</td></tr><tr><td>.1 %</td><td>4.80 dB</td></tr><tr><td>.01 %</td><td>4.84 dB</td></tr></table> Date: 18.MAR.2020 19:34:43	Mean	24.07 dBm	Peak	28.96 dBm	Crest	4.89 dB	10 %	3.24 dB	1 %	4.36 dB	.1 %	4.80 dB	.01 %	4.84 dB
Mean	22.13 dBm																												
Peak	27.36 dBm																												
Crest	5.22 dB																												
10 %	2.48 dB																												
1 %	4.08 dB																												
.1 %	4.84 dB																												
.01 %	5.12 dB																												
Mean	24.07 dBm																												
Peak	28.96 dBm																												
Crest	4.89 dB																												
10 %	3.24 dB																												
1 %	4.36 dB																												
.1 %	4.80 dB																												
.01 %	4.84 dB																												
Highest Channel	Highest Channel																												
Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 823.1 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.84 dBm</td></tr><tr><td>Peak</td><td>27.78 dBm</td></tr><tr><td>Crest</td><td>4.94 dB</td></tr></table> <table><tr><td>10 %</td><td>2.48 dB</td></tr><tr><td>1 %</td><td>4.04 dB</td></tr><tr><td>.1 %</td><td>4.80 dB</td></tr><tr><td>.01 %</td><td>4.92 dB</td></tr></table> Date: 4.FEB.2020 15:08:08	Mean	22.84 dBm	Peak	27.78 dBm	Crest	4.94 dB	10 %	2.48 dB	1 %	4.04 dB	.1 %	4.80 dB	.01 %	4.92 dB	Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, Center: 823.1 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>24.22 dBm</td></tr><tr><td>Peak</td><td>29.31 dBm</td></tr><tr><td>Crest</td><td>5.09 dB</td></tr></table> <table><tr><td>10 %</td><td>2.60 dB</td></tr><tr><td>1 %</td><td>3.88 dB</td></tr><tr><td>.1 %</td><td>4.64 dB</td></tr><tr><td>.01 %</td><td>5.04 dB</td></tr></table> Date: 18.MAR.2020 19:34:55	Mean	24.22 dBm	Peak	29.31 dBm	Crest	5.09 dB	10 %	2.60 dB	1 %	3.88 dB	.1 %	4.64 dB	.01 %	5.04 dB
Mean	22.84 dBm																												
Peak	27.78 dBm																												
Crest	4.94 dB																												
10 %	2.48 dB																												
1 %	4.04 dB																												
.1 %	4.80 dB																												
.01 %	4.92 dB																												
Mean	24.22 dBm																												
Peak	29.31 dBm																												
Crest	5.09 dB																												
10 %	2.60 dB																												
1 %	3.88 dB																												
.1 %	4.64 dB																												
.01 %	5.04 dB																												

**26dB Bandwidth**

Mode	CDMA BC10 26dB BW(MHz)	CDMA BC10 26dB BW(MHz)
Mod.	1xRTT	1xEV-DO Rev. 0
Lowest CH	1.43	1.43
Middle CH	1.43	1.42
Highest CH	1.42	1.43

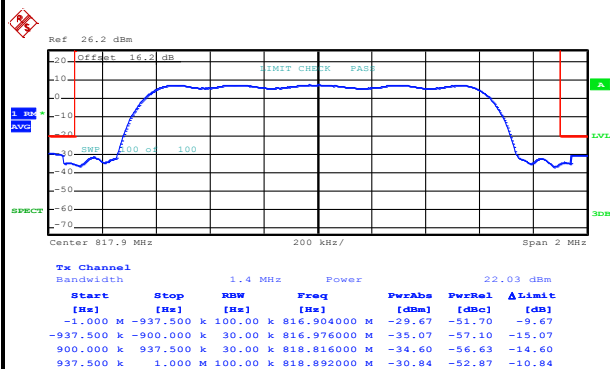


**Occupied Bandwidth**

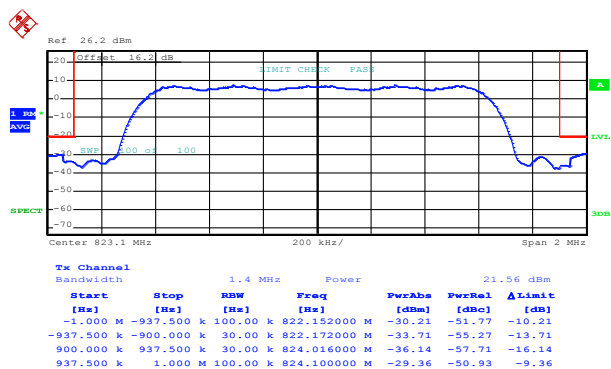
Mode	CDMA BC10 99% OBW(MHz)	CDMA BC10 99% OBW(MHz)
Mod.	1xRTT	1xEV-DO Rev. 0
Lowest CH	1.28	1.27
Middle CH	1.27	1.28
Highest CH	1.28	1.27



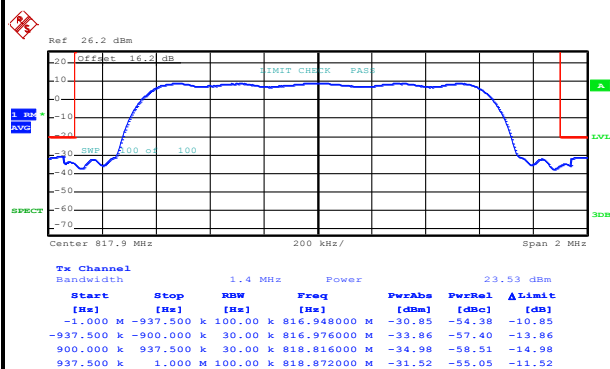
CDMA BC10 (1xRTT)	CDMA BC10 (1xEV-DO Rev. 0)
Lowest Channel	Lowest Channel
Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 817.93000000 MHz 19.04 dBm Center: 817.9 MHz 200 kHz/ Span: 2 MHz Date: 4.FEB.2020 14:50:27	Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 817.96800000 MHz 18.73 dBm Center: 817.9 MHz 200 kHz/ Span: 2 MHz Date: 18.MAR.2020 19:24:51
Middle Channel	Middle Channel
Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 820.22600000 MHz 18.36 dBm Center: 820.5 MHz 200 kHz/ Span: 2 MHz Date: 4.FEB.2020 14:51:03	Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 820.26000000 MHz 18.64 dBm Center: 820.5 MHz 200 kHz/ Span: 2 MHz Date: 18.MAR.2020 19:25:24
Highest Channel	Highest Channel
Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 822.79000000 MHz 18.63 dBm Center: 823.1 MHz 200 kHz/ Span: 2 MHz Date: 4.FEB.2020 14:52:29	Ref: 30 dBm Offset: 10 dB Att: 30 dB BW: 30 kHz VSW: 100 kHz SWT: 5 ms Marker 1 [T1] 1 823.37400000 MHz 18.84 dBm Center: 823.1 MHz 200 kHz/ Span: 2 MHz Date: 18.MAR.2020 19:25:56

**Emission masks – In-band emissions****CDMA BC10 (1xRTT)****Lowest Band Edge**

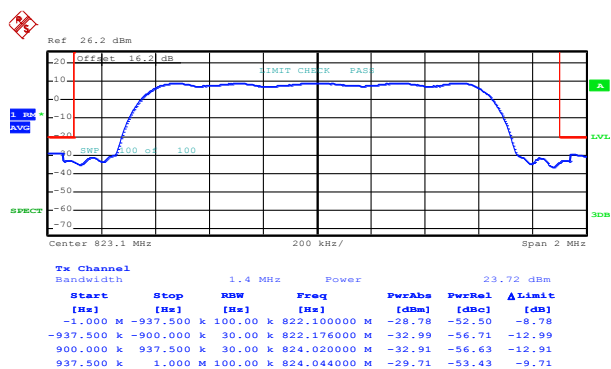
Date: 4.FEB.2020 14:55:30

Highest Band Edge

Date: 4.FEB.2020 15:02:14

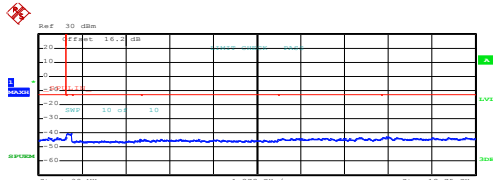
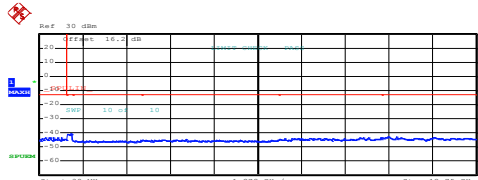
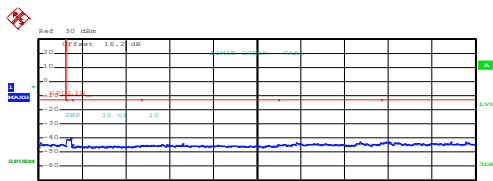
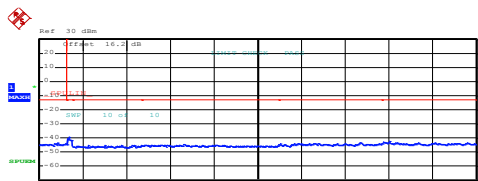
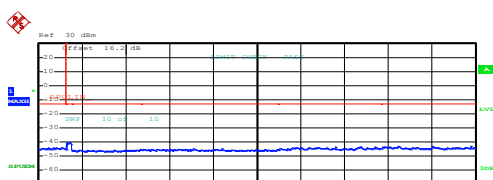
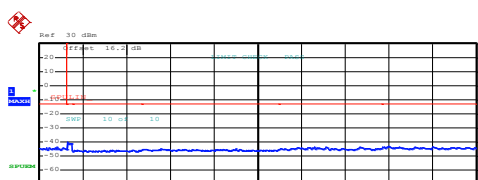
CDMA BC10 (1xEV-DO Rev. 0)**Lowest Band Edge**

Date: 18.MAR.2020 19:28:42

Highest Band Edge

Date: 18.MAR.2020 19:31:33

**Emission masks – Out of band emissions**

CDMA BC10 (1xRTT)	CDMA BC10 (1xEV-DO Rev. 0)																																																																																																
Lowest Channel	Lowest Channel																																																																																																
 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30.000 M</td><td>813.250 M</td><td>100.00 k</td><td>568.692750 M</td><td>-43.49</td><td>-30.49</td></tr><tr><td>827.750 M</td><td>1.000 G</td><td>100.00 k</td><td>860.133000 M</td><td>-40.18</td><td>-27.18</td></tr><tr><td>1.000 G</td><td>3.000 G</td><td>100.00 k</td><td>2.999000 G</td><td>-44.60</td><td>-31.60</td></tr><tr><td>3.000 G</td><td>7.000 G</td><td>100.00 k</td><td>3.594000 G</td><td>-44.34</td><td>-31.34</td></tr><tr><td>7.000 G</td><td>10.000 G</td><td>100.00 k</td><td>9.406000 G</td><td>-43.65</td><td>-30.65</td></tr><tr><td>10.000 G</td><td>12.750 G</td><td>100.00 k</td><td>10.139500 G</td><td>-42.70</td><td>-29.70</td></tr></table> Date: 4.FEB.2020 15:04:20	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30.000 M	813.250 M	100.00 k	568.692750 M	-43.49	-30.49	827.750 M	1.000 G	100.00 k	860.133000 M	-40.18	-27.18	1.000 G	3.000 G	100.00 k	2.999000 G	-44.60	-31.60	3.000 G	7.000 G	100.00 k	3.594000 G	-44.34	-31.34	7.000 G	10.000 G	100.00 k	9.406000 G	-43.65	-30.65	10.000 G	12.750 G	100.00 k	10.139500 G	-42.70	-29.70	 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30.000 M</td><td>813.250 M</td><td>100.00 k</td><td>444.750875 M</td><td>-43.37</td><td>-30.37</td></tr><tr><td>827.750 M</td><td>1.000 G</td><td>100.00 k</td><td>944.707750 M</td><td>-40.40</td><td>-27.40</td></tr><tr><td>1.000 G</td><td>3.000 G</td><td>100.00 k</td><td>2.999000 G</td><td>-45.20</td><td>-32.20</td></tr><tr><td>3.000 G</td><td>7.000 G</td><td>100.00 k</td><td>4.298000 G</td><td>-44.40</td><td>-31.40</td></tr><tr><td>7.000 G</td><td>10.000 G</td><td>100.00 k</td><td>9.965500 G</td><td>-43.31</td><td>-30.31</td></tr><tr><td>10.000 G</td><td>12.750 G</td><td>100.00 k</td><td>10.180125 G</td><td>-42.61</td><td>-29.61</td></tr></table> Date: 18.MAR.2020 19:32:34	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30.000 M	813.250 M	100.00 k	444.750875 M	-43.37	-30.37	827.750 M	1.000 G	100.00 k	944.707750 M	-40.40	-27.40	1.000 G	3.000 G	100.00 k	2.999000 G	-45.20	-32.20	3.000 G	7.000 G	100.00 k	4.298000 G	-44.40	-31.40	7.000 G	10.000 G	100.00 k	9.965500 G	-43.31	-30.31	10.000 G	12.750 G	100.00 k	10.180125 G	-42.61	-29.61
Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																												
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]																																																																																												
30.000 M	813.250 M	100.00 k	568.692750 M	-43.49	-30.49																																																																																												
827.750 M	1.000 G	100.00 k	860.133000 M	-40.18	-27.18																																																																																												
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Middle Channel	Middle Channel																																																																																																
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Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																												
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10.000 G	12.750 G	100.00 k	10.225500 G	-42.33	-29.33																																																																																												
Highest Channel	Highest Channel																																																																																																
 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30.000 M</td><td>813.250 M</td><td>100.00 k</td><td>546.945000 M</td><td>-43.79</td><td>-30.79</td></tr><tr><td>827.750 M</td><td>1.000 G</td><td>100.00 k</td><td>883.903500 M</td><td>-40.51</td><td>-27.51</td></tr><tr><td>1.000 G</td><td>3.000 G</td><td>100.00 k</td><td>2.530000 G</td><td>-45.16</td><td>-32.16</td></tr><tr><td>3.000 G</td><td>7.000 G</td><td>100.00 k</td><td>5.380000 G</td><td>-44.63</td><td>-31.63</td></tr><tr><td>7.000 G</td><td>10.000 G</td><td>100.00 k</td><td>9.415000 G</td><td>-43.13</td><td>-30.13</td></tr><tr><td>10.000 G</td><td>12.750 G</td><td>100.00 k</td><td>11.511250 G</td><td>-42.66</td><td>-29.66</td></tr></table> Date: 4.FEB.2020 15:06:35	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30.000 M	813.250 M	100.00 k	546.945000 M	-43.79	-30.79	827.750 M	1.000 G	100.00 k	883.903500 M	-40.51	-27.51	1.000 G	3.000 G	100.00 k	2.530000 G	-45.16	-32.16	3.000 G	7.000 G	100.00 k	5.380000 G	-44.63	-31.63	7.000 G	10.000 G	100.00 k	9.415000 G	-43.13	-30.13	10.000 G	12.750 G	100.00 k	11.511250 G	-42.66	-29.66	 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30.000 M</td><td>813.250 M</td><td>100.00 k</td><td>529.321875 M</td><td>-43.52</td><td>-30.52</td></tr><tr><td>827.750 M</td><td>1.000 G</td><td>100.00 k</td><td>827.822250 M</td><td>-40.06</td><td>-27.06</td></tr><tr><td>1.000 G</td><td>3.000 G</td><td>100.00 k</td><td>2.764000 G</td><td>-44.93</td><td>-31.93</td></tr><tr><td>3.000 G</td><td>7.000 G</td><td>100.00 k</td><td>3.570000 G</td><td>-44.58</td><td>-31.58</td></tr><tr><td>7.000 G</td><td>10.000 G</td><td>100.00 k</td><td>9.359500 G</td><td>-43.40</td><td>-30.40</td></tr><tr><td>10.000 G</td><td>12.750 G</td><td>100.00 k</td><td>10.206250 G</td><td>-43.01</td><td>-30.01</td></tr></table> Date: 18.MAR.2020 19:34:13	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30.000 M	813.250 M	100.00 k	529.321875 M	-43.52	-30.52	827.750 M	1.000 G	100.00 k	827.822250 M	-40.06	-27.06	1.000 G	3.000 G	100.00 k	2.764000 G	-44.93	-31.93	3.000 G	7.000 G	100.00 k	3.570000 G	-44.58	-31.58	7.000 G	10.000 G	100.00 k	9.359500 G	-43.40	-30.40	10.000 G	12.750 G	100.00 k	10.206250 G	-43.01	-30.01
Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																												
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**Frequency Stability**

Test Conditions	Middle Channel	CDMA BC10 (1xRTT)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0146	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Test Conditions	Middle Channel	CDMA BC10 (1xEV-DO Rev. 0)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0073	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0085	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block.

**Radiated Spurious Emission**

<Primary Antenna>

<Ant. 0>

CDMA2000 BC10

CDMA2000 BC10									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-57.59	-13	-44.59	-70.53	-62.92	1.22	8.70	H
	2456	-55.12	-13	-42.12	-71.98	-62.00	1.43	10.46	H
	3271	-57.06	-13	-44.06	-75.82	-64.94	1.68	11.71	H
	1632	-56.00	-13	-43.00	-68.83	-61.33	1.22	8.70	V
	2456	-53.54	-13	-40.54	-70.75	-60.42	1.43	10.46	V
	3271	-56.31	-13	-43.31	-75.39	-64.19	1.68	11.71	V
Middle	1640	-57.91	-13	-44.91	-70.87	-63.27	1.22	8.73	H
	2464	-55.99	-13	-42.99	-72.83	-62.88	1.43	10.47	H
	3282	-57.33	-13	-44.33	-76.01	-65.23	1.69	11.75	H
	1640	-56.26	-13	-43.26	-69.09	-61.62	1.22	8.73	V
	2464	-56.54	-13	-43.54	-73.7	-63.43	1.43	10.47	V
	3282	-56.92	-13	-43.92	-75.96	-64.82	1.69	11.75	V
Highest	1648	-57.09	-13	-44.09	-70.06	-62.48	1.23	8.76	H
	2472	-57.68	-13	-44.68	-74.51	-64.57	1.44	10.48	H
	3292	-57.50	-13	-44.50	-76.12	-65.43	1.70	11.78	H
	1648	-55.97	-13	-42.97	-68.82	-61.36	1.23	8.76	V
	2472	-56.27	-13	-43.27	-73.39	-63.16	1.44	10.48	V
	3292	-57.00	-13	-44.00	-76.01	-64.93	1.70	11.78	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<ASDIV Antenna>

<Ant. 1>

CDMA2000 BC10

CDMA2000 BC10									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1637	-51.79	-13	-38.79	-64.75	-57.14	1.22	8.72	H
	2456	-56.78	-13	-43.78	-73.64	-63.66	1.43	10.46	H
	3271	-57.48	-13	-44.48	-76.24	-65.36	1.68	11.71	H
	1637	-56.63	-13	-43.63	-69.45	-61.98	1.22	8.72	V
	2456	-55.73	-13	-42.73	-72.94	-62.61	1.43	10.46	V
	3271	-57.08	-13	-44.08	-76.16	-64.96	1.68	11.71	V
Middle	1640	-53.47	-13	-40.47	-66.43	-58.83	1.22	8.73	H
	2464	-56.56	-13	-43.56	-73.4	-63.45	1.43	10.47	H
	3282	-57.21	-13	-44.21	-75.89	-65.11	1.69	11.75	H
	1640	-57.83	-13	-44.83	-70.66	-63.19	1.22	8.73	V
	2464	-56.15	-13	-43.15	-73.31	-63.04	1.43	10.47	V
	3282	-56.89	-13	-43.89	-75.93	-64.79	1.69	11.75	V
Highest	1648	-52.98	-13	-39.98	-65.95	-58.37	1.23	8.76	H
	2472	-56.52	-13	-43.52	-73.35	-63.41	1.44	10.48	H
	3292	-57.17	-13	-44.17	-75.79	-65.10	1.70	11.78	H
	1648	-57.52	-13	-44.52	-70.37	-62.91	1.23	8.76	V
	2472	-56.75	-13	-43.75	-73.87	-63.64	1.44	10.48	V
	3292	-56.90	-13	-43.90	-75.91	-64.83	1.70	11.78	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

—————THE END—————