TCT 通测检测 TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID: 2ALGR-SD70

Product: cell phone signal booster

Model No.: SD70

Additional Model No.: SDW70, SDB70

Trade Mark: N/A

Report No.: TCT191107E005

Issued Date: Nov. 25, 2019

Issued for:

Shenzhen Fuzhixing Electronics Co., Ltd.

5/F, Block C, Penglongpan Hi-technology Park, Dafu Ind. Zone, Guanlan, Longhua New Dist., Shenzhen, Guangdong, China

Issued By:

Shenzhen Tongce Testing Lab.

1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

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Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1. Test Certification

Product:	cell phone signal booster
Model No.:	SD70
Additional Model:	SDW70, SDB70
Trade Mark:	**N/A**
Applicant:	Shenzhen Fuzhixing Electronics Co., Ltd.
Address:	5/F, Block C, Penglongpan Hi-technology Park, Dafu Ind. Zone, Guanlan, Longhua New Dist., Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Fuzhixing Electronics Co., Ltd.
Address:	5/F, Block C, Penglongpan Hi-technology Park, Dafu Ind. Zone, Guanlan, Longhua New Dist., Shenzhen, Guangdong, China
Date of Test:	Nov. 08, 2019 - Nov. 22, 2019
Applicable Standards:	FCC CFR Title 47 Part 20.21

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:	Beryl Zhao	***Date:***	***Nov. 22, 2019***
	Beryl Zhao		
Reviewed By:	Beryl Zhao	***Date:***	***Nov. 25, 2019***
	Beryl Zhao		
Approved By:	Tomsin	***Date:***	***Nov. 25, 2019***
	Tomsin		

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2. Test Result Summary

Requirement	CFR 47 Section	Result
Authorized Frequency Band Verification Test	§20.21(e)(3)	PASS
Maximum Power Measurement Procedure	§2.1046/20.21(e)(8)(i)(D)	PASS
Maximum Booster Gain Computation	§20.21(e)(8)(i)(B)	PASS
Intermodulation Product	§20.21(e)(8)(i)(F)	PASS
Out of Band Emissions	§20.21(e)(8)(i)(E)	PASS
Conducted Spurious Emission	§2.1051/§27	PASS
Noise Limit Procedure Variable Noise Variable Noise Timing	§20.21(e)(8)(i)(A)(2)(i) §20.21(e)(8)(i)(A)(1) §20.21(e)(8)(i)(H)	PASS
Uplink inactivity	§20.21(e)(8)(i)(I)	PASS
Variable Booster Gain Variable Uplink Gain Timing	§20.21(e)(8)(i)(C) (1), (2)(i) §20.21(e)(8)(i)(H)	PASS
Occupied Band Width	§2.1049/§27	PASS
Anti-Oscillation	§20.21(e)(8)(ii)(A)	PASS
Radiated Spurious Emission	§2.1053/§27	PASS
Spectrum Block Filter	N/A	N/A

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

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3. EUT Description

Product:	cell phone signal booster
Model No.:	SD70
Additional Model:	SDW70, SDB70
Trade Mark:	**N/A**
Operation Frequency:	Uplink: 698 MHz - 716 MHz, Downlink: 728 MHz - 746 MHz Uplink: 776 MHz - 787 MHz, Downlink: 746 MHz - 757 MHz
Emission Designator:	G7D
FCC Classification:	B2W/Wideband Consumer Booster(CMRS)
Power Supply:	DC 12V
AC adapter:	Adapter Information: Model: FZX-12-2 Input: AC 100-240V, 50/60Hz, 0.3A Output: DC 12V, 2A
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model colour are different for the marketing requirement.

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4. General Information

4.1. Test environment

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

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5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

  Shenzhen Tongce Testing Lab

  The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

  The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%

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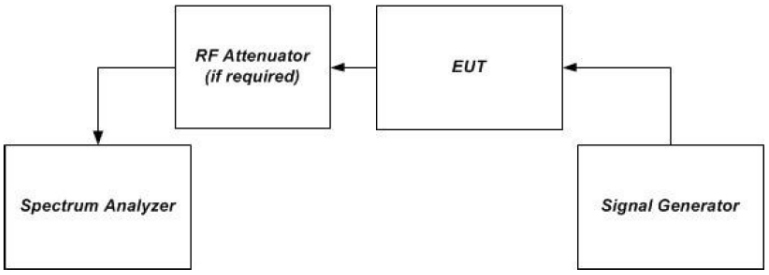
6. Test Results and Measurement Data

6.1. Authorized Frequency Band Verification

6.1.1. Test Specification

Test Requirement:	FCC Part20 Section 20.21(e)(3)
Test Method:	935210 D03 Signal Booster Measurements v04r03
Limit	Uplink: 698 MHz - 716 MHz, Downlink: 728 MHz - 746 MHz Uplink: 776 MHz - 787 MHz, Downlink: 746 MHz - 757 MHz
Test Setup:	
Test Procedure:	935210 D03 Signal Booster Measurement v04r03 a) Connect the EUT to the test equipment as shown in Figure 1. Begin with the uplink output (donor) port connected to the spectrum analyzer. b) Set the spectrum analyzer resolution bandwidth (RBW) for 100 kHz with the video bandwidth (VBW) ≥ 3 x the RBW, using a PEAK detector with the MAX HOLD function. c) Set the center frequency of the spectrum analyzer to the center of the operational band under test with a span of 1 MHz. d) Set the signal generator for CW mode and tune to the center frequency of the operational band under test. e) Set the initial signal generator power to a level that is at least 6 dB below the AGC level specified by the manufacturer. f) Slowly increase the signal generator power level until the output signal reaches the AGC operational level. g) Reduce the signal generator power to a level that is 3 dB below the level noted above, then manually reset the EUT (e.g., cycle ac/dc power). h) Reset the spectrum analyzer span to 2xthe width of the CMRS band under test. Adjust the tuned frequency of the signal generator to sweep 2xthe width of the CMRS band using the sweep function. The AGC must be deactivated throughout the entire sweep. i) Using three markers, identify the CMRS band edges and the frequency with the highest power. Affirm that the values of all markers are visible on the display of the spectrum analyzer (e.g., marker table set to on). j) Capture the spectrum analyzer trace for inclusion in the test report. k) Repeat 7.1c) to 7.1j) for all operational uplink and downlink bands.
Test Result:	PASS

6.1.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Sep. 12, 2019	Sep. 11, 2020
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 12, 2019	Sep. 11, 2020
Attenuator	50FP-006-H3	JFW	907763	Sep. 12, 2019	Sep. 11, 2020

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

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6.1.3. Test data

698 - 716 MHz

Test Plots

Uplink

Downlink

776 - 787 MHz

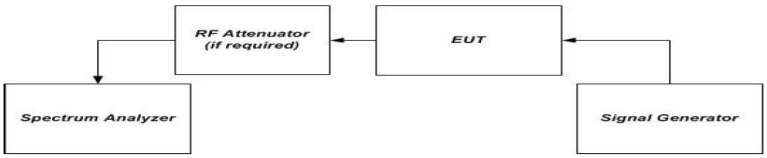
Test Plots

Uplink

Downlink

6.2. Maximum Power

6.2.1. Test Specification

Test Requirement:	FCC Part 20.21 (e)(8)(i)(B); FCC Part 20.21 (e)(8)(i)(D)
Test Method:	KDB935210 D03 Signal Booster Measuremets v04r03
Test Setup:	
Test Procedure:	a) Connect the EUT to the test equipment as shown in Set-Up. Begin with the uplink output (donor port) connected to the spectrum analyzer. b) Configure the signal generator and spectrum analyzer for operation on the frequency determined in Frequency Band with the highest power level, but with the center frequency of the signal no closer than 2.5 MHz from the band edge. The spectrum analyzer span shall be set to at least 10 MHz. c) Set the initial signal generator power to a level well below that which causes AGC control. d) Slowly increase the signal generator power level until the output signal reaches the AGC operational limit (from observation of signal behavior on the spectrum analyzer; e.g., no further increase in output power as input power is increased). e) Reduce power sufficiently on the signal generator to ensure that the AGC is not controlling the power output. f) Slowly increase the signal generator power to a level just below (within 0.5 dB of) the AGC limit without triggering the AGC. Note the signal generator power level as (P_{in}). g) Measure the output power (P_{out}) with the spectrum analyzer as follows. h) Set RBW = 100 kHz for AWGN signal type and 300 kHz for CW or GSM signal type i) Set VBW ≥ 3X RBW j) Select either the BURST POWER or CHANNEL POWER measurement tool, as required for each signal type. The channel power integration bandwidth shall be 99% occupied bandwidth (4.1 MHz). k) Select the RMS (power averaging) detector. l) Ensure that the number of measurement points per sweep ≥ (2 x span)/RBW (Note: This requirement does not apply for BURST power measurement mode). m) Set sweep time = auto couple, or as necessary (but no less than auto couple value). n) Trace average at least 100 traces in power averaging (i.e., RMS) mode. o) Record the measured power level as P_{out} with one set of results for the GSM or CW input stimulus and another set of results for the AWGN input stimulus. p) Repeat the procedure for each operational uplink and downlink frequency band supported by the booster.
Test Result:	PASS

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6.2.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Sep. 12, 2019	Sep. 11, 2020
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 12, 2019	Sep. 11, 2020
Attenuator	50FP-006-H3	JFW	907763	Sep. 12, 2019	Sep. 11, 2020

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.2.3. Test Data

Max. Gain

698 - 716 MHz

Frequency (MHz)	Signal Type	Pre AGC Input Level (dBm)	Conducted Output Level (dBm)	Gain (dB)	Gain Limit (dB)
UL698-716	CW	-43.8	17.88	61.68	63.49
	AWGN	-42.6	18.78	61.38	
DL728-746	CW	-52.7	9.54	62.24	
	AWGN	-50.5	10.80	61.30	

776 - 787 MHz

Frequency (MHz)	Signal Type	Pre AGC Input Level (dBm)	Conducted Output Level (dBm)	Gain (dB)	Gain Limit (dB)
UL776-787	CW	-42.4	18.97	61.37	64.36
	AWGN	-40.6	21.00	61.60	
DL746-757	CW	-51.1	9.02	60.12	
	AWGN	-49.9	10.13	60.03	

Note: Fixed Booster maximum gain shall not exceed 6.5 dB + 20 Log10 (Frequency), where Frequency is the uplink mid-band frequency of the supported spectrum bands in MHz.

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Max. Input level

698 - 716 MHz

Frequency (MHz)	Signal Type	Max. Input Level (dBm)	Conducted Output Level (dBm)	Conducted Output Power Limit (dBm)	Conducted& EIRP Power Limit (dBm)
UL698-716	CW	0	18.04	>17dBm	<30dBM
	AWGN	0	18.86		
DL728-746	CW	-20	10.08	N/A	<17dBm
	AWGN	-20	10.92		

776 - 787 MHz

Frequency (MHz)	Signal Type	Max. Input Level (dBm)	Conducted Output Level (dBm)	Conducted Output Power Limit (dBm)	Conducted& EIRP Power Limit (dBm)
UL776-787	CW	0	19.05	>17dBm	<30dBM
	AWGN	0	21.11		
DL746-757	CW	-20	9.18	N/A	<17dBm
	AWGN	-20	10.25		

Max. Output Power

698 - 716 MHz

Frequency (MHz)	Signal Type	Conducted Output Level (dBm)	Max Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Conducted Output Power Limit	Conducted &EIRP Power Limit
UL 698-716	CW	18.04	8	3.5	22.54	>17dBm	<30dBM
	AWGN	18.86	8	3.5	23.36		
DL 728-746	CW	10.08	6	1.2	14.88	N/A	<17dBm
	AWGN	10.92	6	1.2	15.72		

776 - 787 MHz

Frequency (MHz)	Signal Type	Conducted Output Level (dBm)	Max Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Conducted Output Power Limit	Conducted &EIRP Power Limit
UL 776-787	CW	19.05	8	3.8	23.25	>17dBm	<30dBM
	AWGN	21.11	8	3.8	25.31		
DL 746-757	CW	9.18	6	1.4	13.78	N/A	<17dBm
	AWGN	10.25	6	1.4	14.85		

Uplink Gain VS Downlink Gain

698 - 716 MHz

Band	Signal Type	Uplink Gain (dB)	Downlink Gain (dB)	D-value	Limit (dB)
UL698-716 DL728-746	CW	61.68	62.24	0.56	9
	AWGN	61.38	61.30	-0.08	

776 - 787 MHz

Band	Signal Type	Uplink Gain (dB)	Downlink Gain (dB)	D-value	Limit (dB)
UL776-787 DL746-757	CW	61.37	60.12	-1.25	9
	AWGN	61.60	60.03	-1.57	

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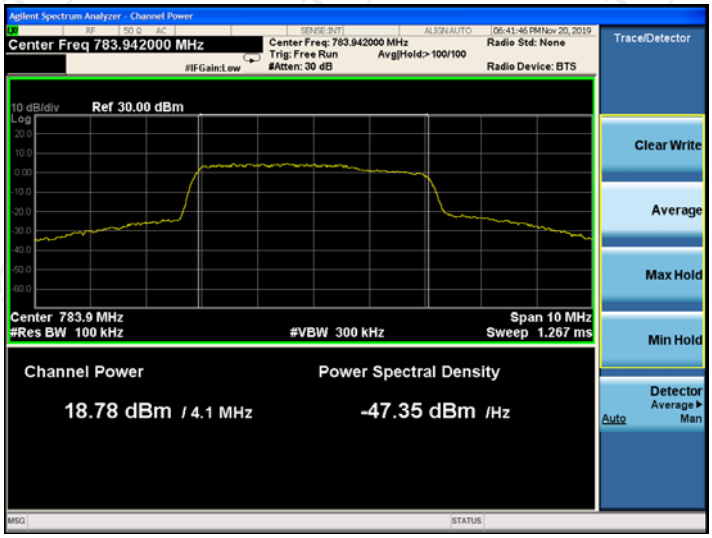
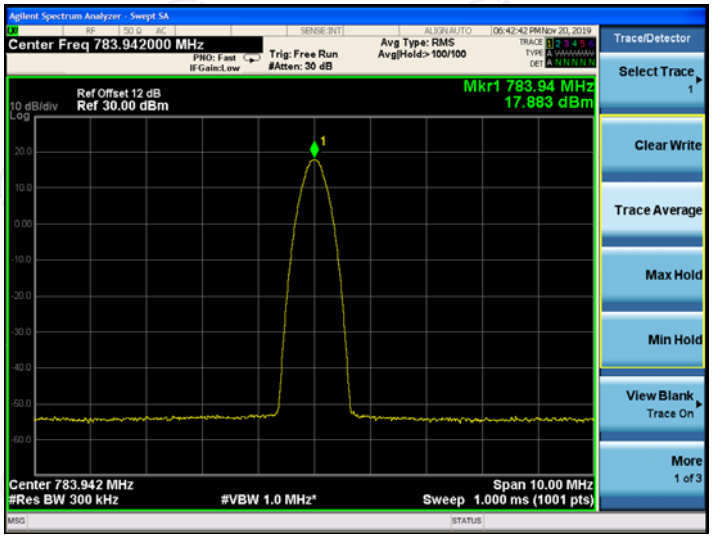
698 - 716 MHz

Test Plots

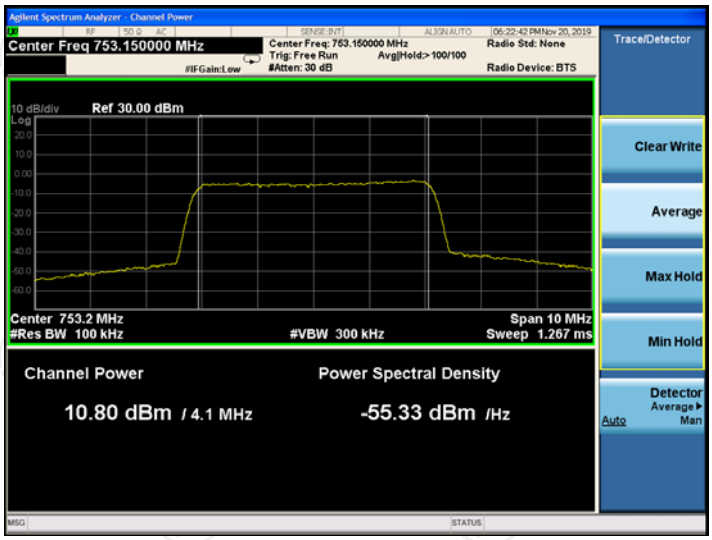
AWGN, UL



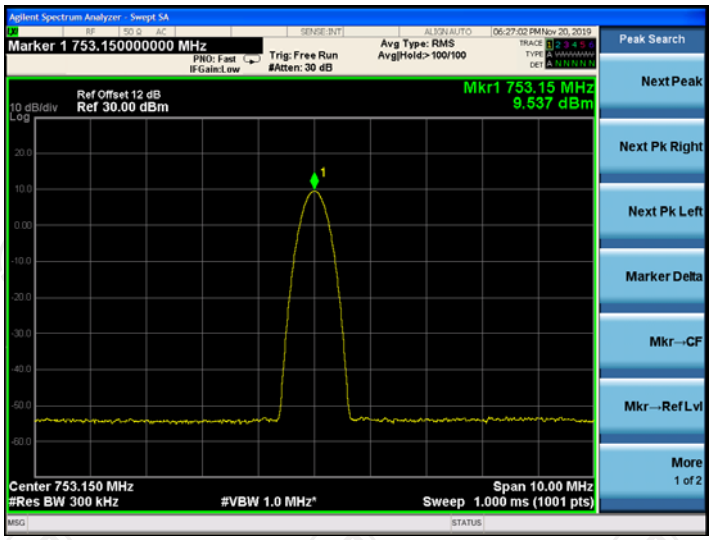
CW, UL



AWGN, DL



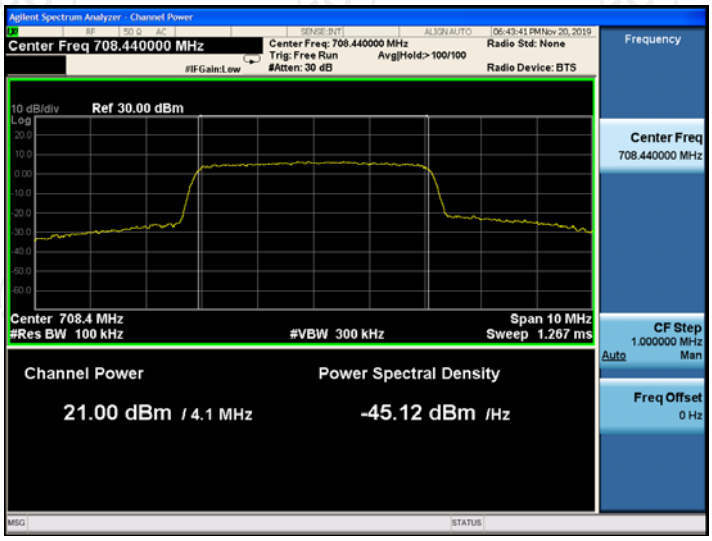
CW, DL



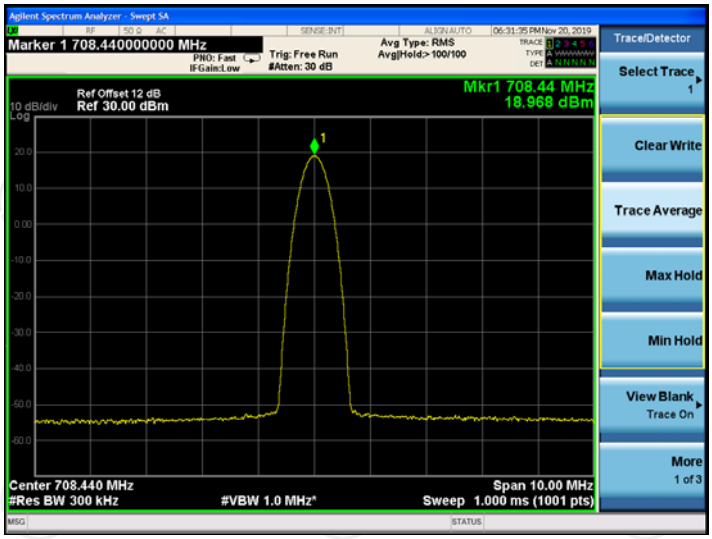
776 - 787 MHz

Test Plots

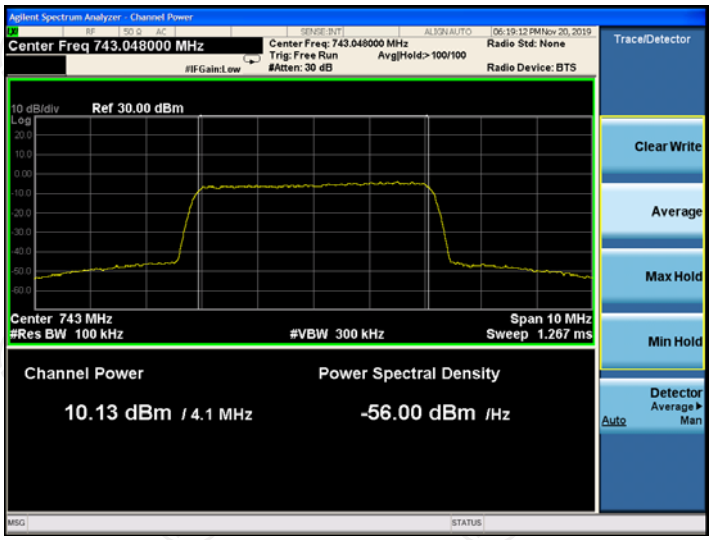
AWGN, UL



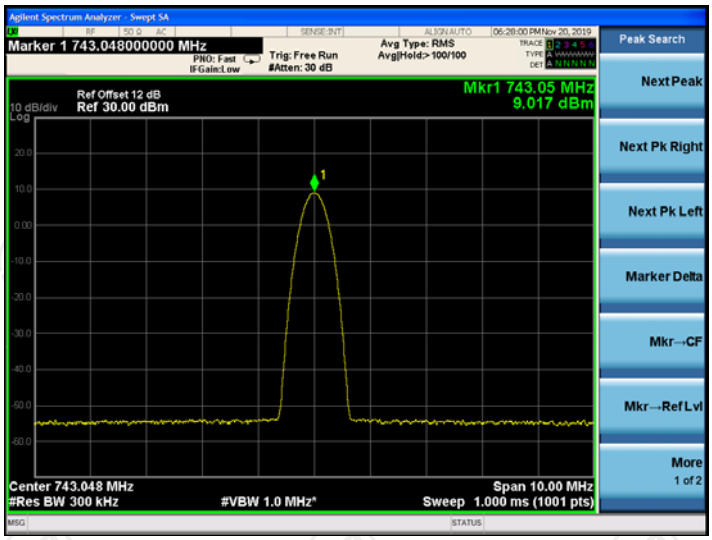
CW, UL



AWGN, DL

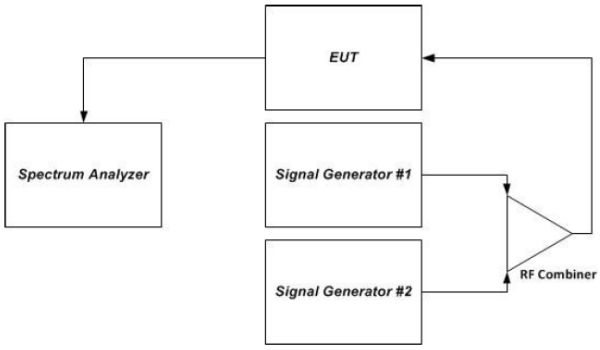

Agilent Spectrum Analyzer - Channel Power
Center Freq 743.048000 MHz
Center Freq: 743.048000 MHz
Trig: Free Run
Avg|Hold:>100/100
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Trace/Detector
10 dB/div
Log
Ref 30.00 dBm
Center 743 MHz
#Res BW 100 kHz
#VBW 300 kHz
Span 10 MHz
Sweep 1.267 ms
Channel Power
10.13 dBm / 4.1 MHz
Power Spectral Density
-56.00 dBm /Hz
Clear Write
Average
Max Hold
Min Hold
Detector
Average
Auto
Man
MSG
STATUS

CW, DL


Agilent Spectrum Analyzer - Swept SA
Marker 1 743.048000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
Ref Offset 12 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 743.05 MHz
9.017 dBm
Center 743.048 MHz
#Res BW 300 kHz
#VBW 1.0 MHz*
Span 10.00 MHz
Sweep 1.000 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

6.3. Intermodulation Product

6.3.1. Test Specification

Test Requirement:	FCC Part20 Section 20.21(e)(8)(i)(F)
Test Method:	KDB935210 D03 Signal Booster Measuremets v04r03
Limit:	-19dBm
Test Setup:	 Figure 2 – Intermodulation product instrumentation test setup
Test Procedure:	a) Connect the signal booster to the test equipment as shown in Set-Up. Begin with the uplink output connected to the spectrum analyzer. b) Set the spectrum analyzer RBW = 3 kHz. c) Set the VBW ≥ 3 X the RBW. d) Select the RMS detector. e) Set the spectrum analyzer center frequency to the center of the supported operational band under test. f) Set the span to 5 MHz. g) Configure the two signal generators for CW operation with generator 1 tuned 300 kHz below the operational band center frequency and generator 2 tuned 300 kHz above the operational band center frequency. h) Set the signal generator amplitudes so that the power from each into the RF combiner is equivalent and turn on the RF output. i) Increase the signal generators' amplitudes equally until just before the EUT begins AGC and ensure that all intermodulation products (if any exist), are below the specified limit of −19 dBm. j) Utilize the trace averaging function of the spectrum analyzer and wait for the trace to stabilize. Place a marker at the highest amplitude intermodulation product. k) Record the maximum intermodulation product amplitude level that is observed. l) Capture the spectrum analyzer trace for inclusion in the test report. m) Repeat steps e) to l) for all uplink and downlink operational bands. **Note:** If using a single signal generator with dual outputs, ensure that intermodulation products are not the result of the generator. n) Increase the signal generator amplitude in 2 dB steps to 10 dB above the AGC threshold determined in i) to ensure that the EUT maintains compliance with the intermodulation
Test Result:	PASS

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6.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	E4421B	GB39340839	Jul. 30, 2019	Jul. 29, 2020
Signal Generator	Agilent	N5182A	MY47070282	Sep. 12, 2019	Sep. 11, 2020
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 12, 2019	Sep. 11, 2020
RF Combiner	SUNVNDN	SUD-CS 0800	16230009	Sep. 12, 2019	Sep. 11, 2020
Attenuator	50FP-006-H3	JFW	907763	Sep. 12, 2019	Sep. 11, 2020

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

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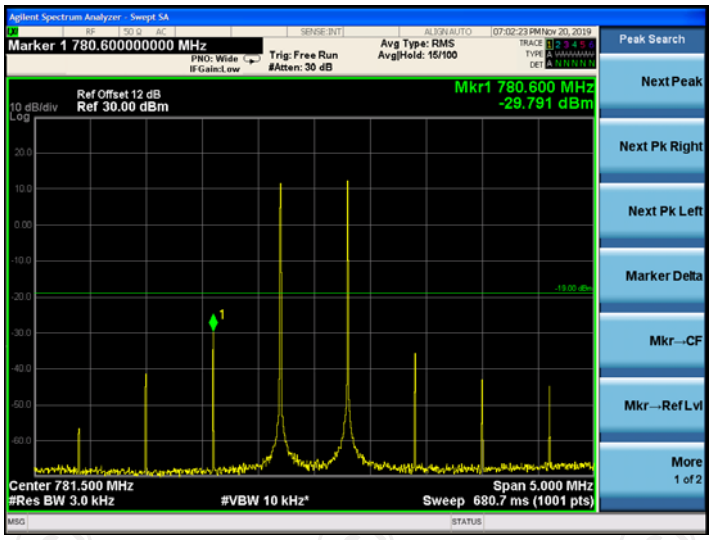
6.3.3. Test data

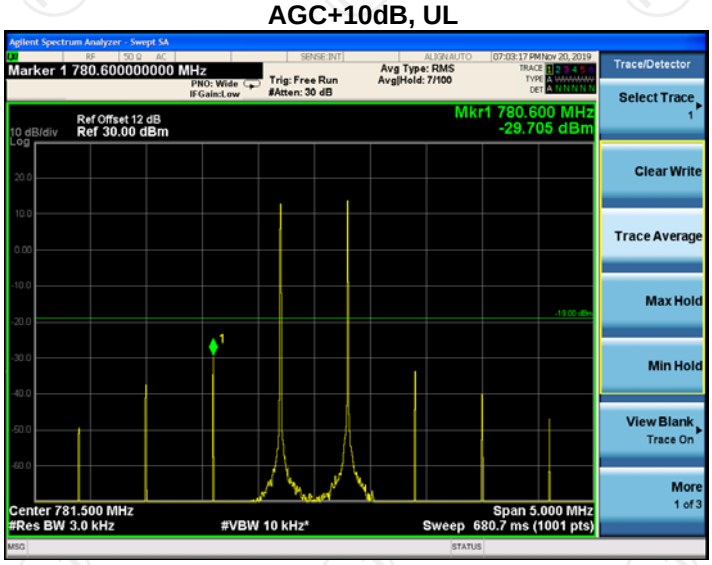
698 - 716 MHz

Test Plots

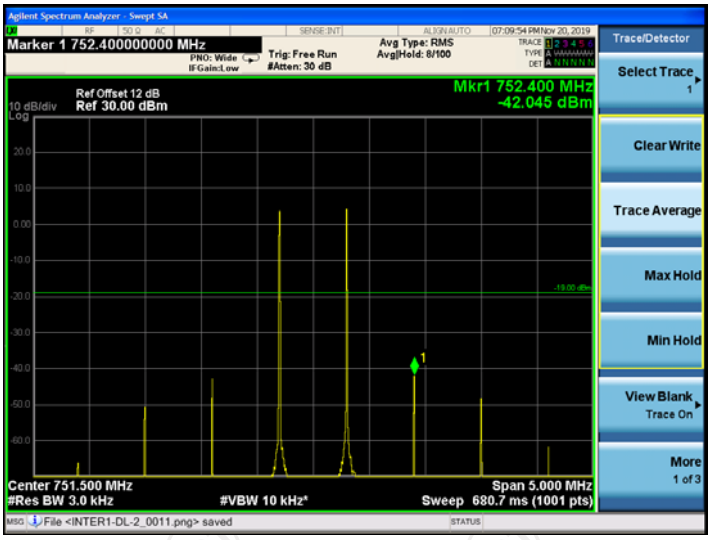
Pre AGC, UL



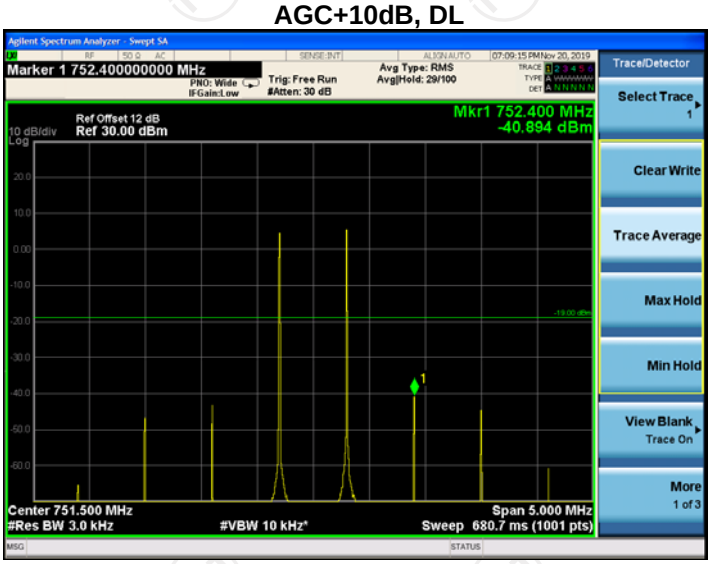
AGC+10dB, UL



Pre AGC, DL



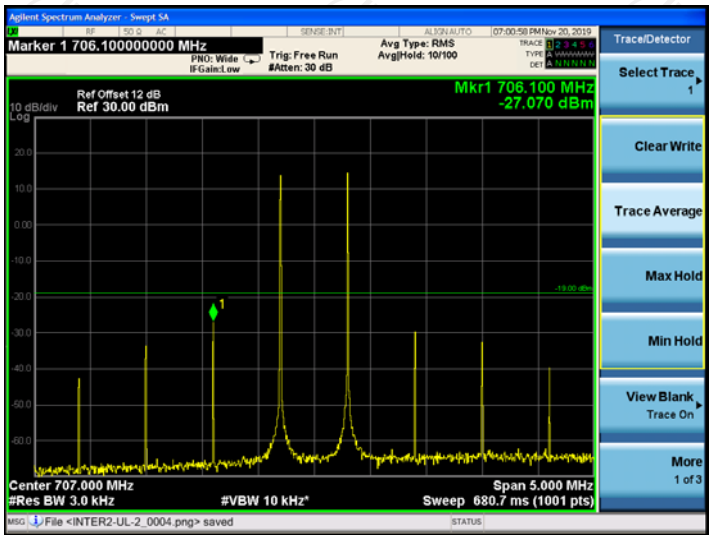
AGC+10dB, DL



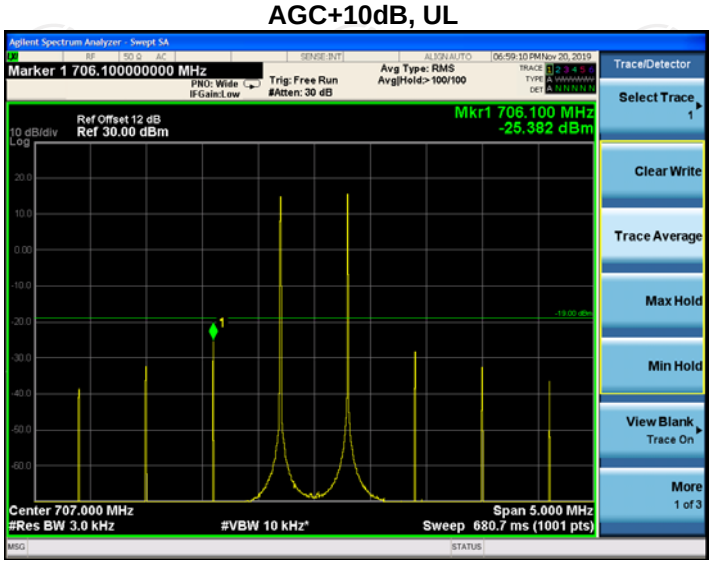
776 - 787 MHz

Test Plots

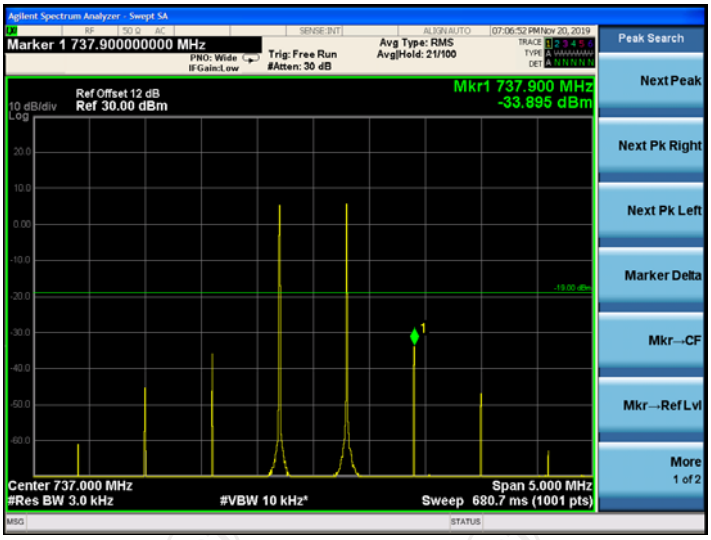
Pre AGC, UL



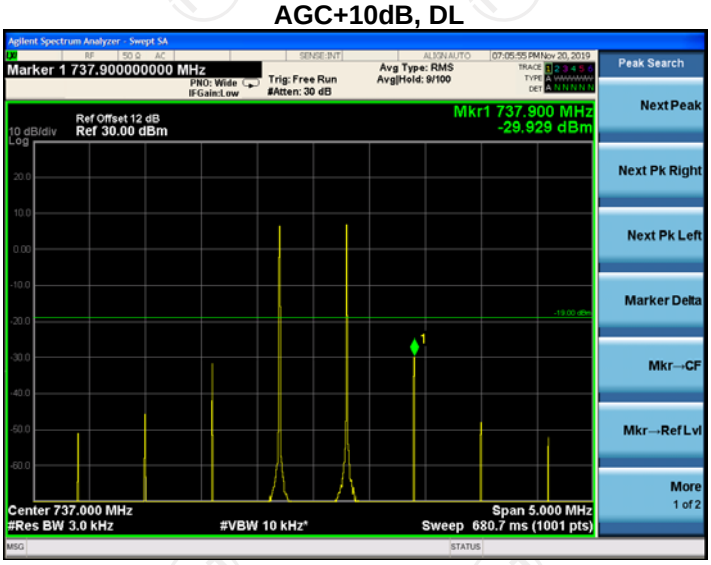
AGC+10dB, UL



Pre AGC, DL

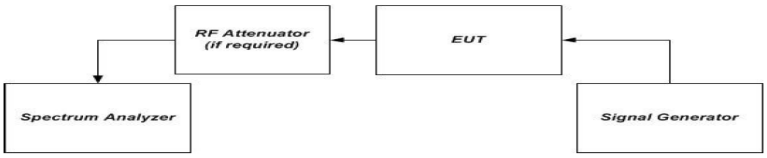


AGC+10dB, DL



6.4. Out of Band Emission

6.4.1. Test Specification

Test Requirement:	FCC Part20 Section 20.21(e)(8)(i)(E)
Test Method:	KDB935210 D03 Signal Booster Measuremets v04r03
Limit:	-19dBm
Test Setup:	
Test Procedure:	a) Connect the EUT to the test equipment as shown in Set-Up. Begin with the uplink output connected to the spectrum analyzer. b) Configure the signal generator for the appropriate operation for all uplink and downlink bands: i) GSM: 0.2 MHz from upper and lower band edge ii) LTE (5 MHz): 2.5 MHz from upper and lower band edge iii) CDMA: 1.25 MHz from upper and lower band edge, except for cellular as follows (only the upper and lower frequencies need to be tested): 824.88 MHz, 845.73 MHz, 836.52 MHz, 848.10 MHz, 869.88 MHz, 890.73 MHz, 881.52 MHz, 893.10 MHz. Note 1: Alternative test modulation types: • CDMA (alternative 1.25 MHz AWGN) • LTE 5 MHz (alternative W-CDMA or 4.1 MHz AWGN) Note 2: For LTE, the signal generator should utilize the uplink and downlink signal types for these modulations in uplink and downlink tests, respectively. LTE shall us e 5 MHz signal 25 resource blocks transmitting. Note 3: AWGN is the measured 99% occupied bandwidth. c) Set the signal generator amplitude to the maximum power level prior to AGC similar to the procedures in method of Maximum power d) to f) of power measurement procedure for appropriate modulations. d) Set RBW = measurement bandwidth specified in the applicable rule section for the supported frequency band. e) Set VBW = 3 x RBW. f) Select the RMS (power averaging) detector. g) Sweep time = auto-couple. h) Set the analyzer start frequency to the upper band/block edge frequency and the stop frequency to the upper band/block edge frequency plus 300 kHz (when operational frequency is < 1 GHz) or 3 MHz (when operational frequency is ≥ 1 GHz). i) Trace average at least 100 traces in power averaging (i.e., RMS) mode. j) Use peak marker function to find the maximum power level. k) Capture the spectrum analyzer trace of the power level for inclusion in the test report. l) Increase the signal generator amplitude in 2 dB steps until the maximum input level indicated in 5.4 is reached. Ensure that the EUT maintains compliance with the OOBE limits. m) Reset the analyzer start frequency to the lower band/block edge frequency minus 100 kHz or 1 MHz, as per applicable rule part, and the stop frequency to the lower band/block edge frequency and repeat steps j) to l).

	n) Repeat steps b) through m) for each uplink and downlink operational band.
Test Result:	PASS

6.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Sep. 12, 2019	Sep. 11, 2020
Spectrum Analyzer	Agilent	N9020A	MY49100619	Sep. 12, 2019	Sep. 11, 2020
Attenuator	50FP-006-H3	JFW	907763	Sep. 12, 2019	Sep. 11, 2020

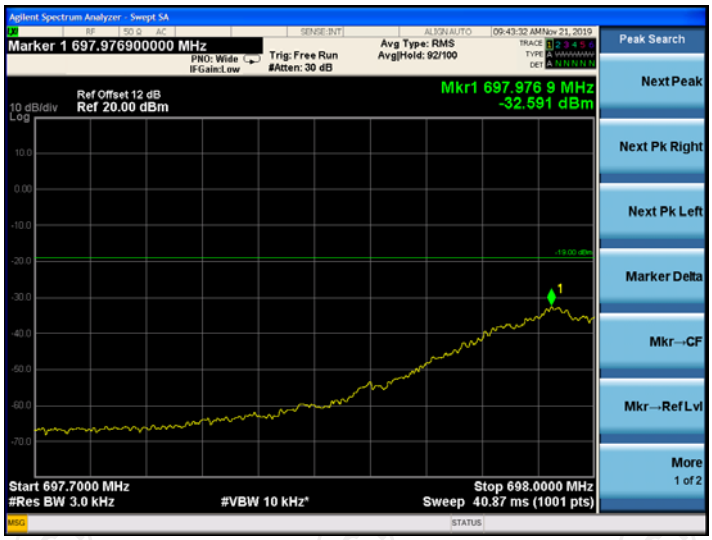
Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

6.4.3. Test data

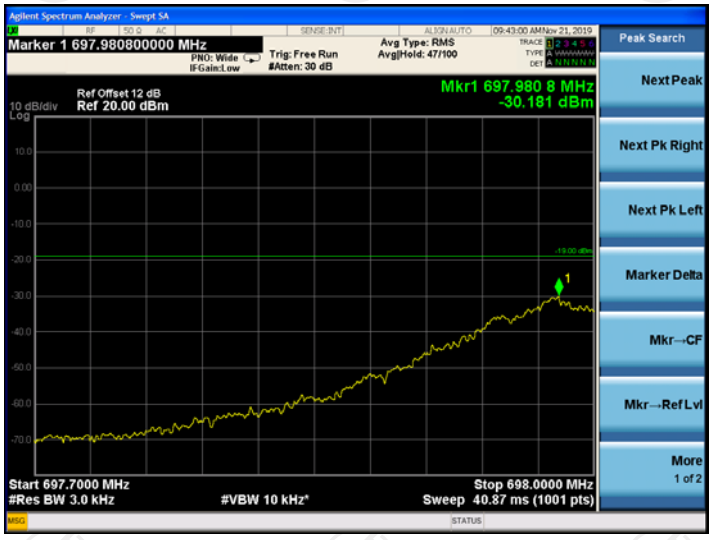
698 - 716 MHz

Test Plots

GSM UL Left Side Pre AGC



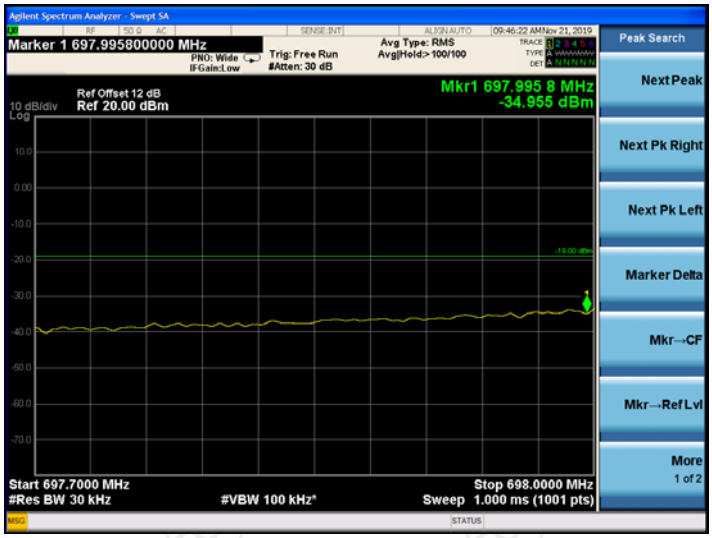
GSM UL Left Side Pre AGC+10dB



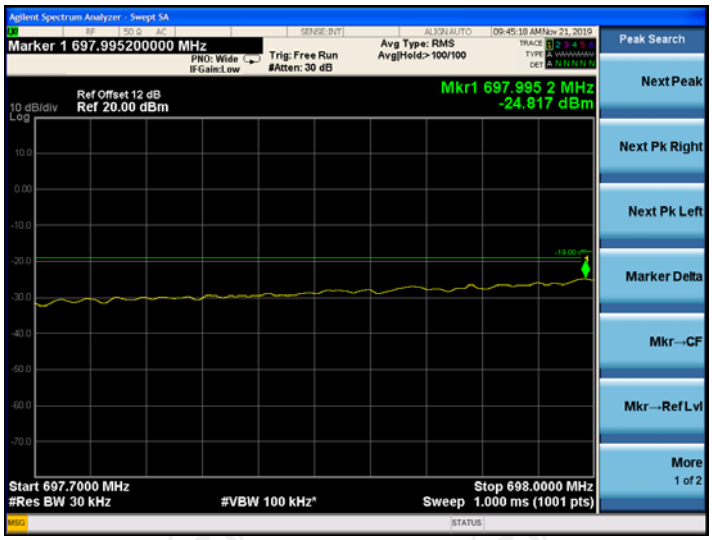
GSM UL Right Side Pre AGC

GSM UL Right Side Pre AGC+10dB

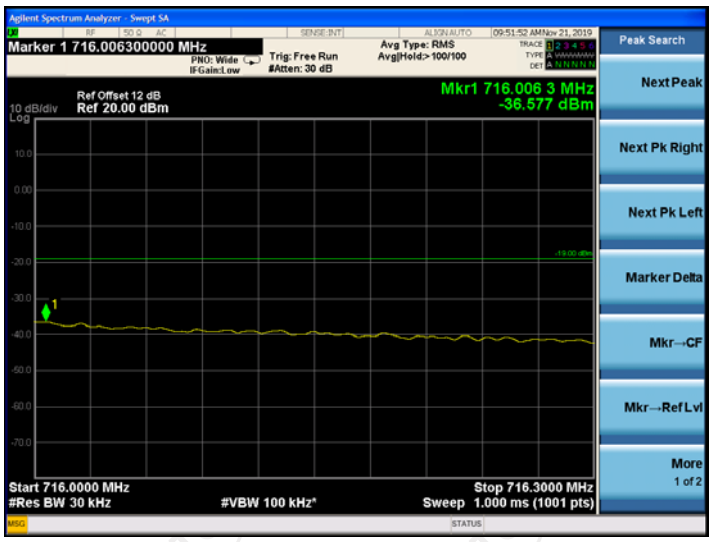
CDMA UL Left Side Pre AGC



CDMA UL Left Side Pre AGC+10dB

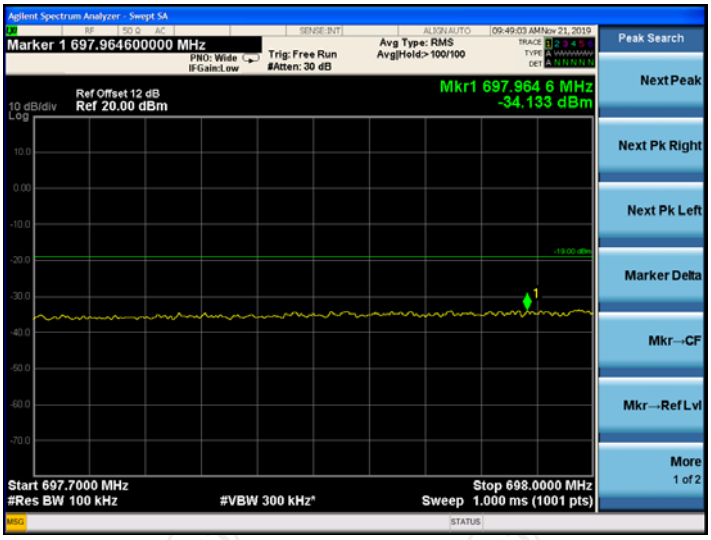


CDMA UL Right Side Pre AGC

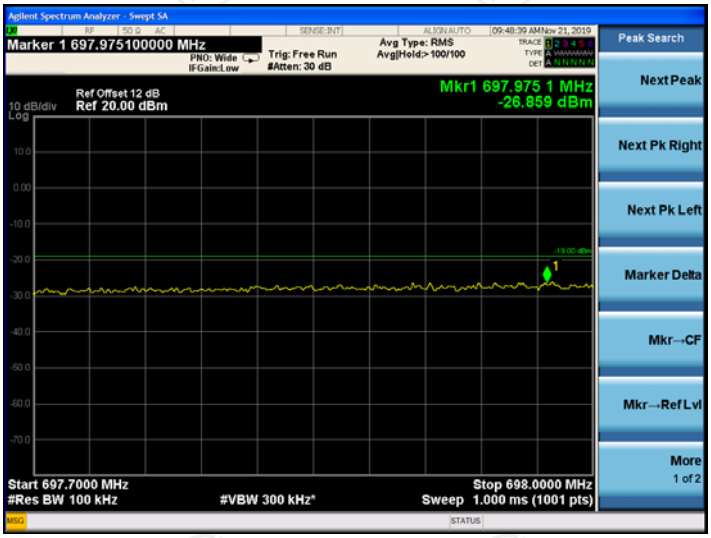


CDMA UL Right Side Pre AGC+10dB

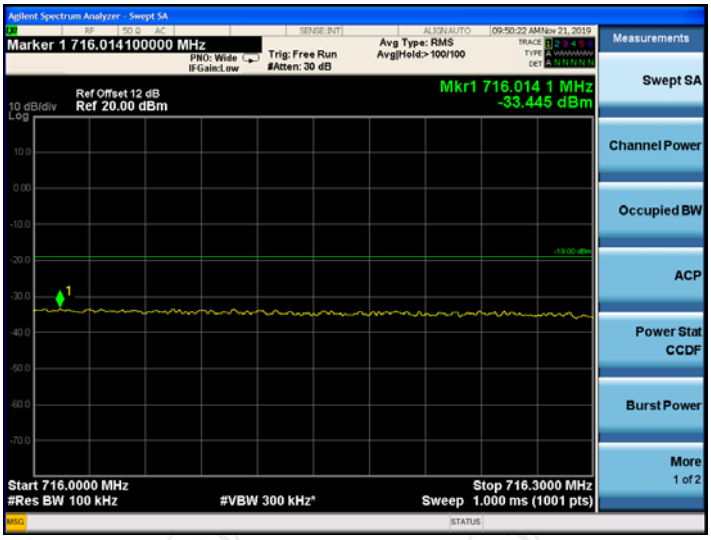
LTE UL Left Side Pre AGC



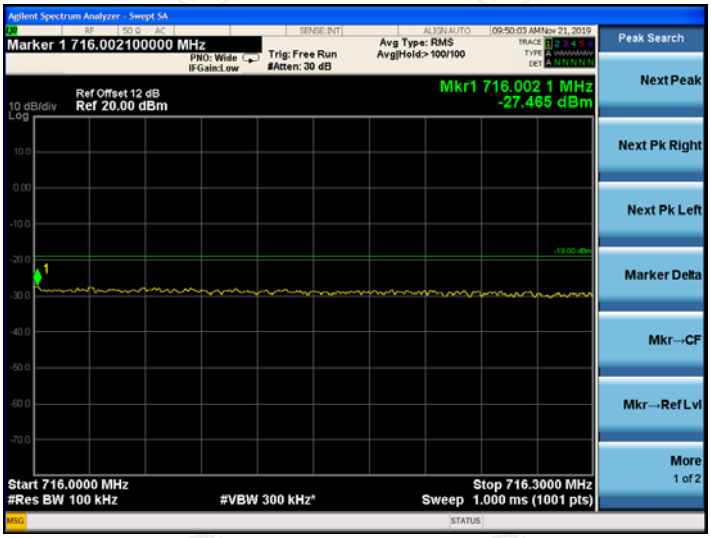
LTE UL Left Side Pre AGC+10dB



LTE UL Right Side Pre AGC

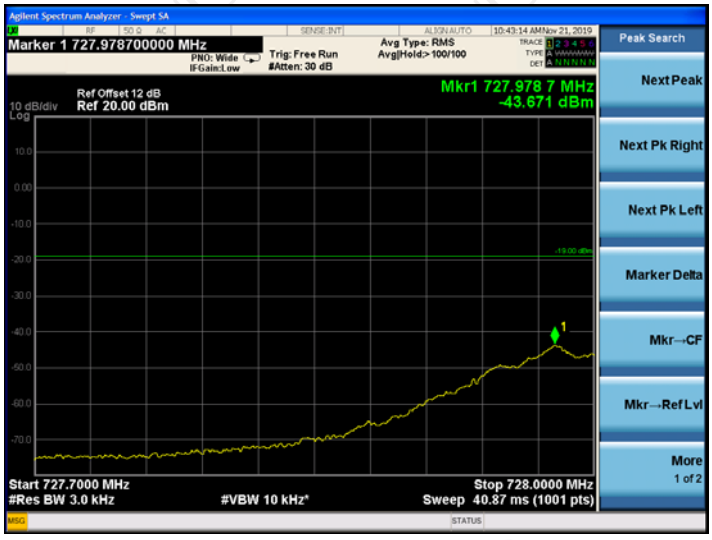


LTE UL Right Side Pre AGC+10dB



GSM DL Left Side Pre AGC

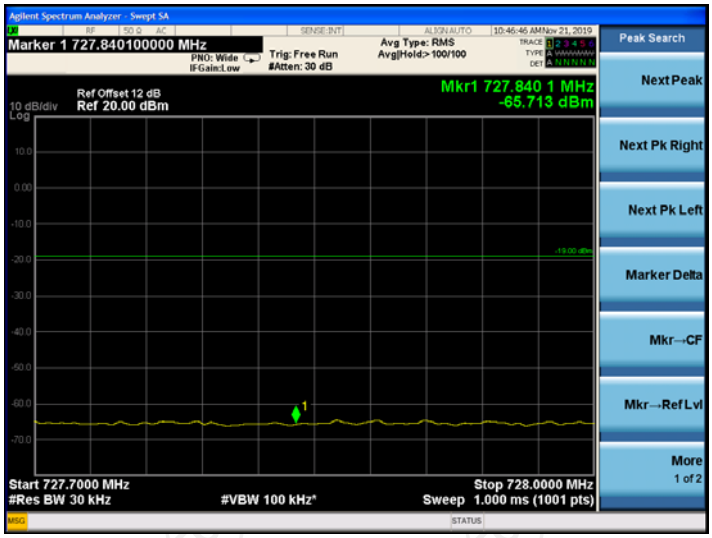
GSM DL Left Side Pre AGC+10dB



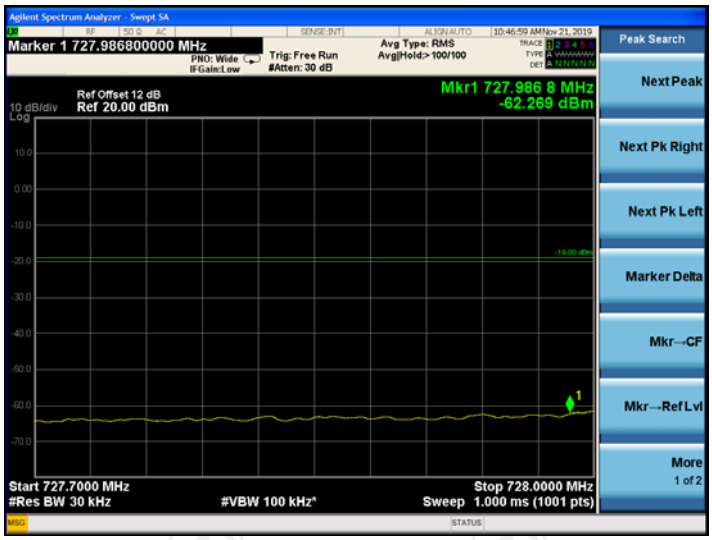
GSM DL Right Side Pre AGC

GSM DL Right Side Pre AGC+10dB

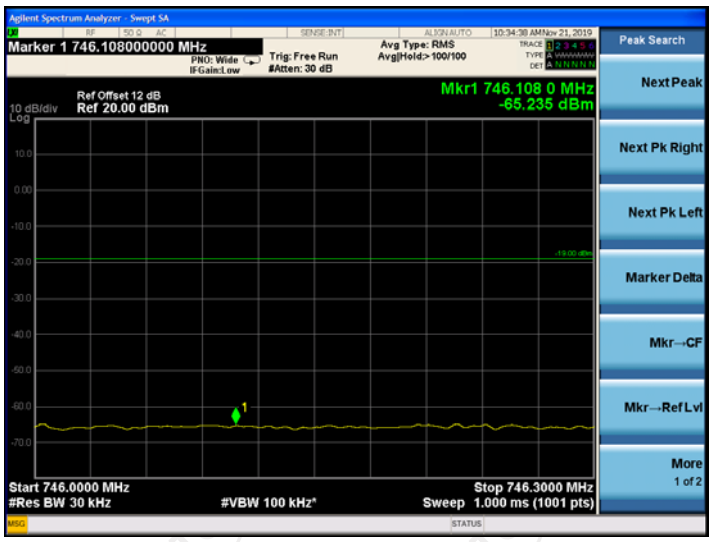
CDMA DL Left Side Pre AGC



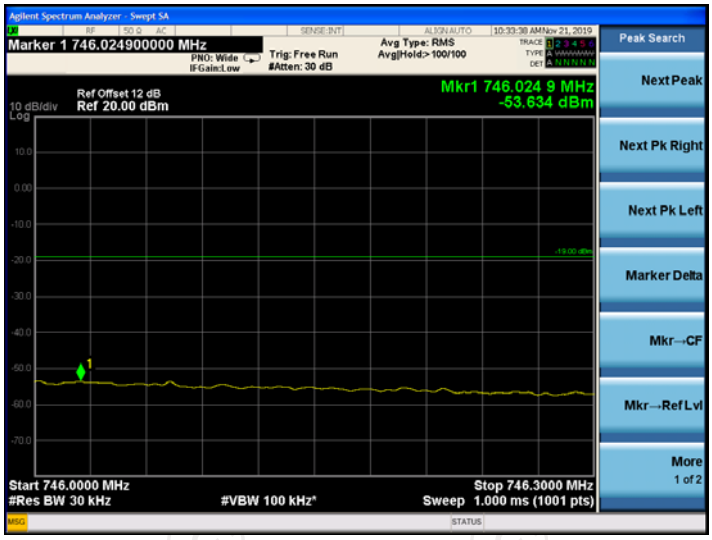
CDMA DL Left Side Pre AGC+10dB



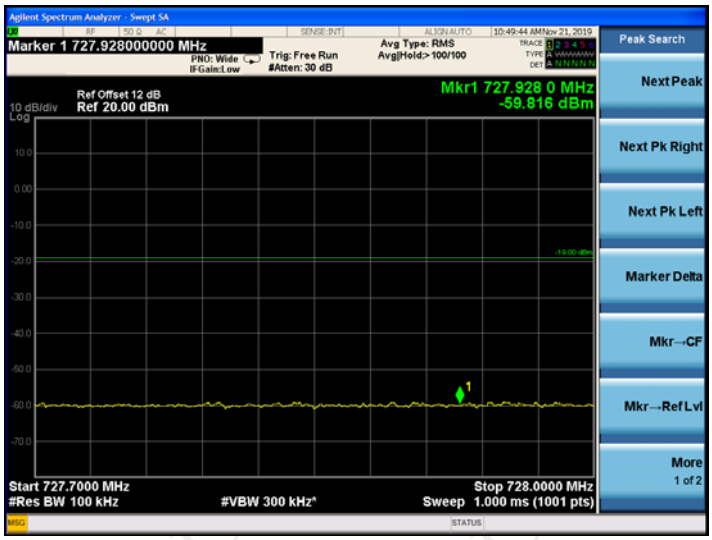
CDMA DL Right Side Pre AGC



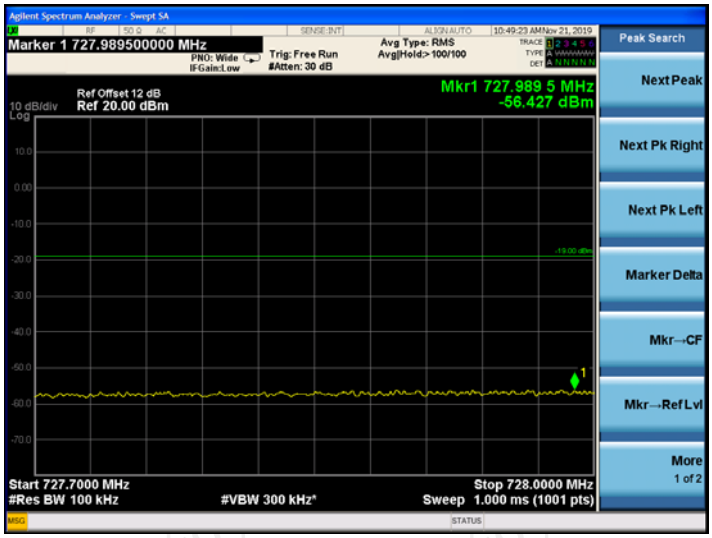
CDMA DL Right Side Pre AGC+10dB



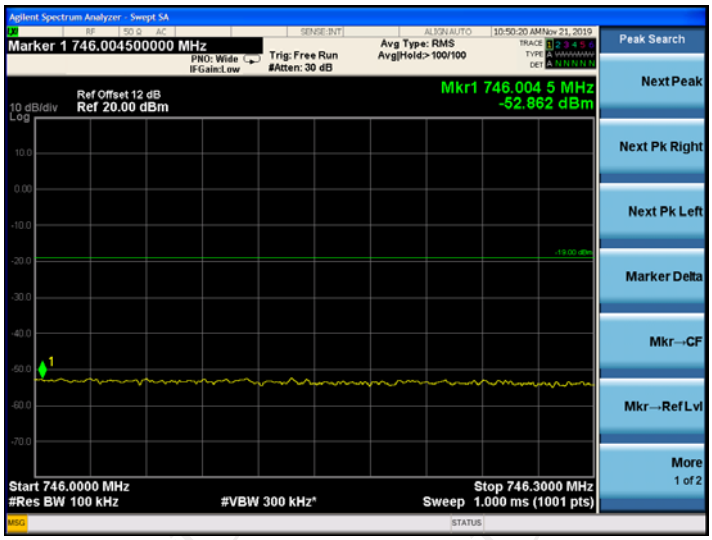
LTE DL Left Side Pre AGC



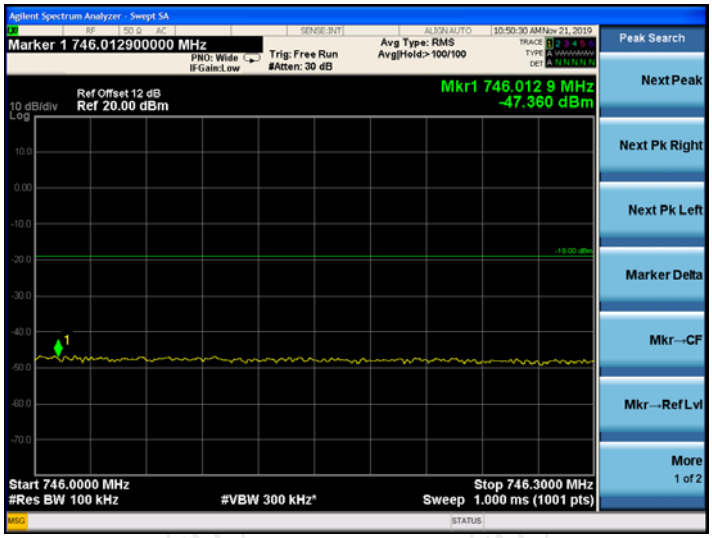
LTE DL Left Side Pre AGC+10dB



LTE DL Right Side Pre AGC



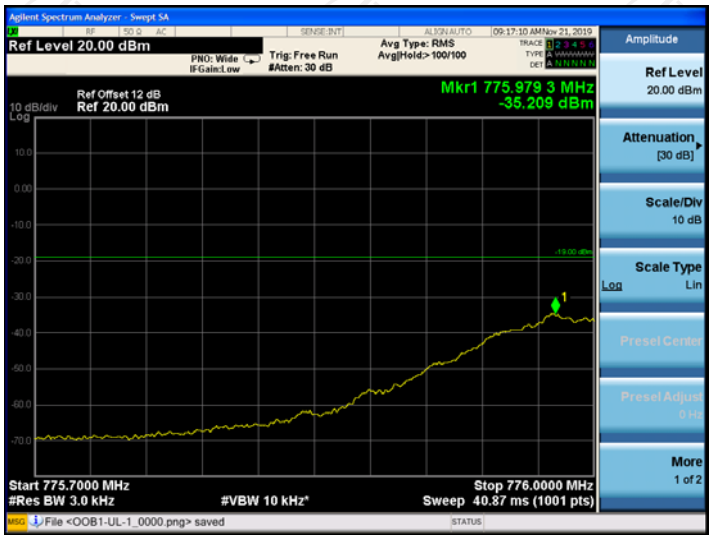
LTE DL Right Side Pre AGC+10dB



776 - 787 MHz

Test Plots

GSM UL Left Side Pre AGC

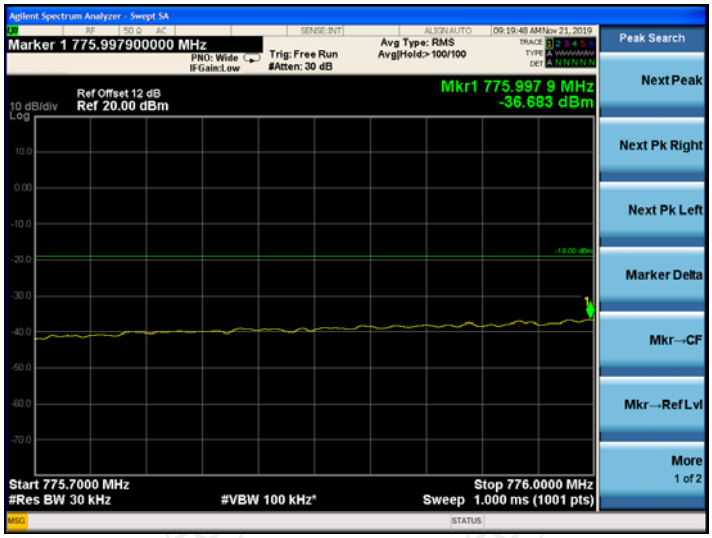


GSM UL Left Side Pre AGC+10dB

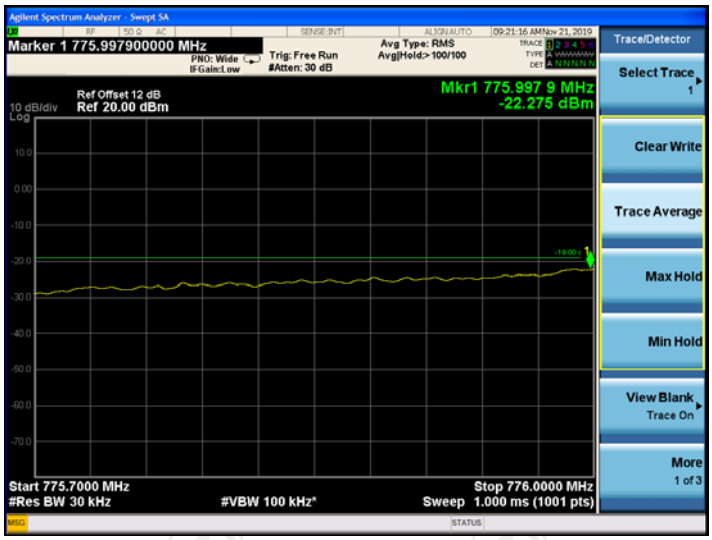
GSM UL Right Side Pre AGC

GSM UL Right Side Pre AGC+10dB

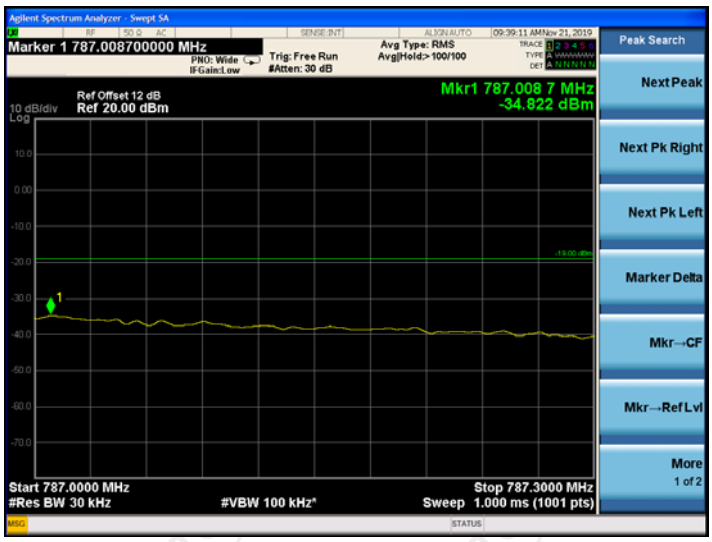
CDMA UL Left Side Pre AGC



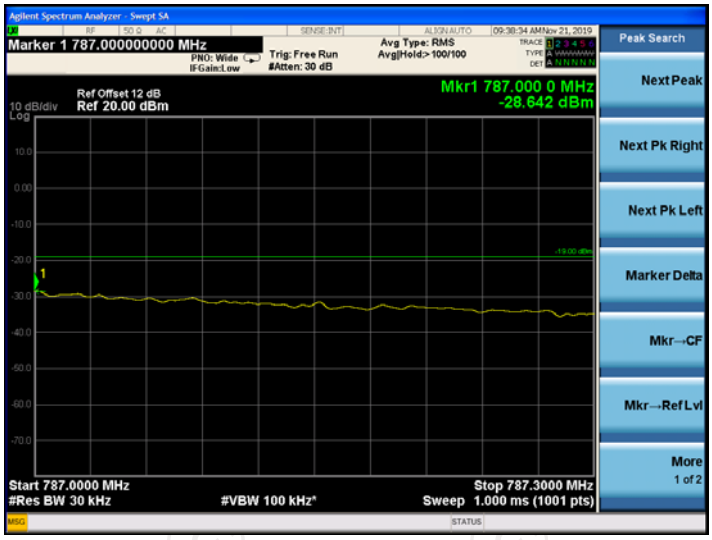
CDMA UL Left Side Pre AGC+10dB



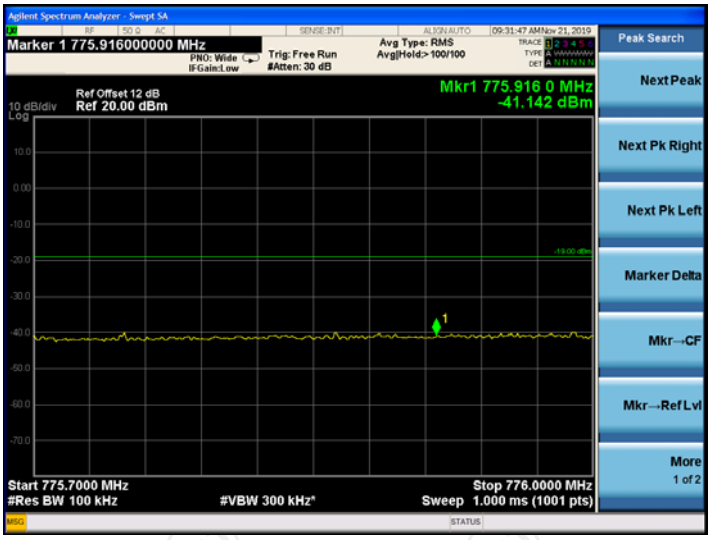
CDMA UL Right Side Pre AGC



CDMA UL Right Side Pre AGC+10dB



LTE UL Left Side Pre AGC



LTE UL Left Side Pre AGC+10dB