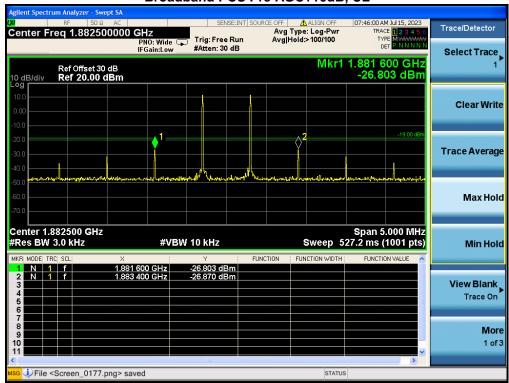
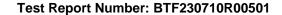


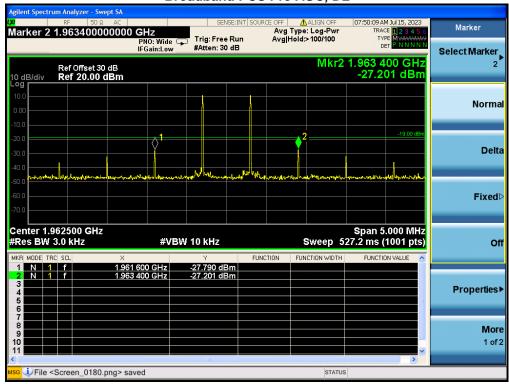
Broadband PCS Pre AGC+10dB, UL



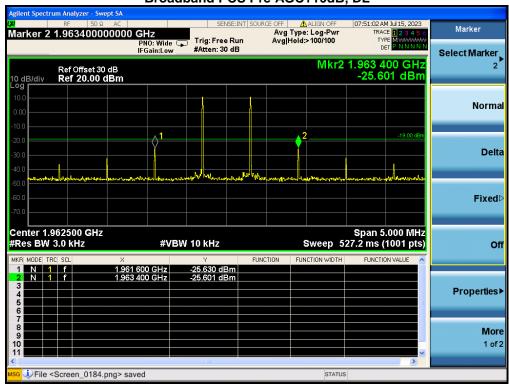


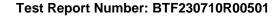






Broadband PCS Pre AGC+10dB, DL





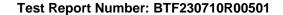


5.5 Out Of Band Emissions

Test Requirement:	This measurement is intended to demonstrate compliance to the limit specified in §20.21(e)(8)(i)(E), which specifies that out-of-band emissions generated by a Wideband Signal Booster shall be at least 6 dB below the mobile emission limit applicable to the supported band of operation. The mobile emission limit applicable to the supported band of operation can be determined from the applicable rule part which is referenced in Annex A for each authorized operating band.
Limit:	-19dBm
Test Setup:	Spectrum Analyzer Signal Generator
Procedure:	 a) Connect the EUT to the test equipment as shown in figure 1. 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: 1) GSM: 0.2 MHz from upper and lower band edges. 2) LTE (5 MHz): 2.5 MHz from upper and lower band edges. 3) CDMA: 1.25 MHz from upper and lower band edges, except for cellular band as follows (only the upper and lower frequencies need to be tested): 824.88 MHz, 845.73 MHz, 836.52 MHz, 893.10 MHz. 869.88 MHz, 890.73 MHz, 831.52 MHz, 893.10 MHz. c) Set the signal generator amplitude to the maximum power level prior to AGC similar to the procedures in 7.2.4 to 7.2.6 of power measurement procedure for appropriate modulations. d) Set RBW = measurement bandwidth specified in the applicable rule section for the supported frequency band (see Annex A for cross-reference to applicable rule section). 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 100 kHz or 1 MHz, per applicable rule part. 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 to the saturation level indicated in 5.4. Ensure that the EUT maintains compliance with the OOBE limits. m) Reset the analyzer start frequency to the lower band/block edge frequency to the lower band/block edge frequency and repeat steps 7.5.10-7.5.12. n) Repeat steps 7.5.2 through 7.5.14 for each uplink and downlink operational band.

5.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	22.1 °C
Humidity:	46.3 %
Atmospheric Pressure:	1010 mbar





5.5.2 Test Data:

Cellular UL Left Side Pre AGC



Cellular UL Left Side Max Input





Cellular UL Right Side Pre AGC



Cellular UL Right Side Max Input





Cellular DL Left Side Pre AGC



Cellular DL Left Side Max Input

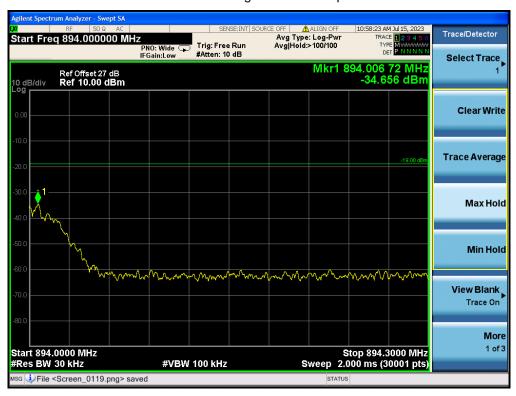




Cellular DL Right Side Pre AGC

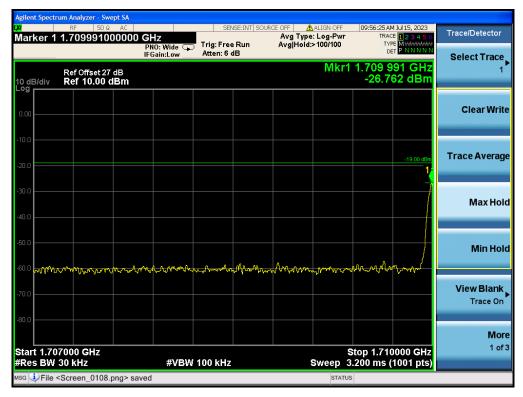


Cellular DL Right Side Max Input

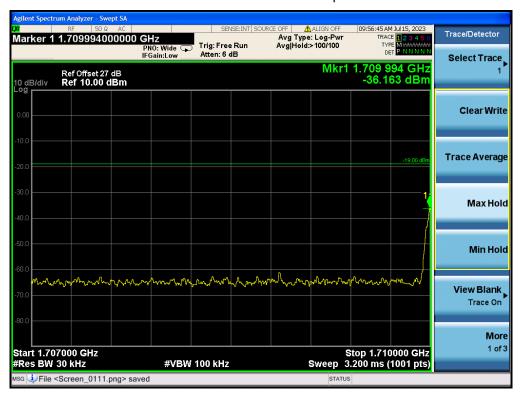




AWS-1 UL Left t Side Pre AGC

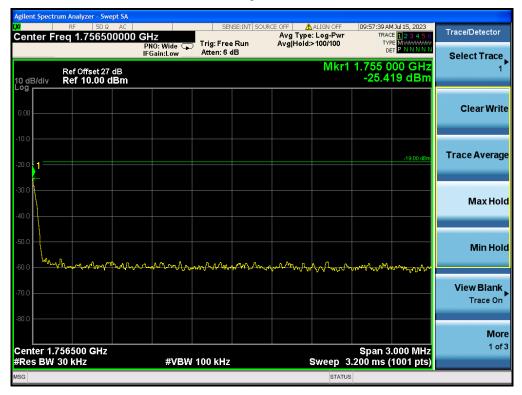


AWS-1 UL Left Side Max Input

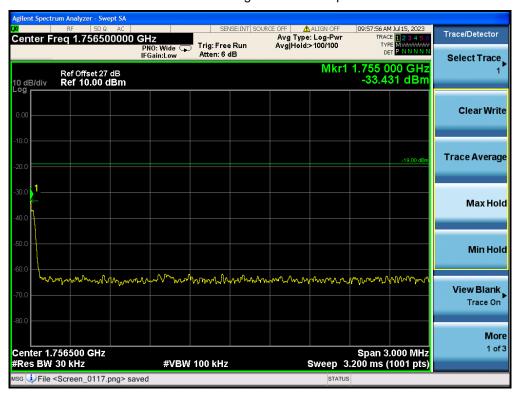




AWS-1 UL Right Side Pre AGC

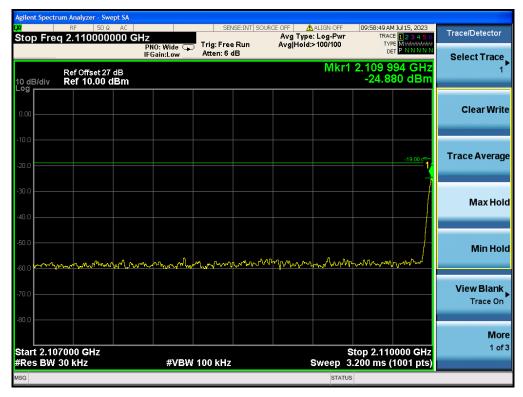


AWS-1 UL Right Side Max Input

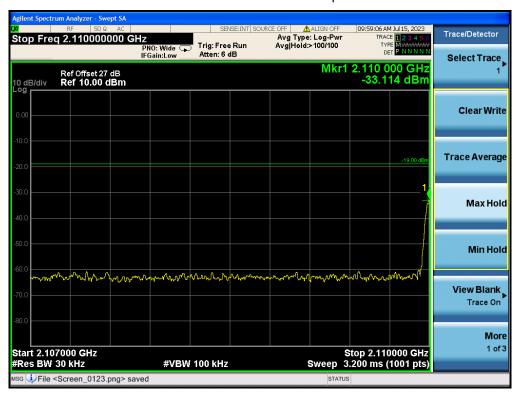




AWS-1 DL Left Side Pre AGC

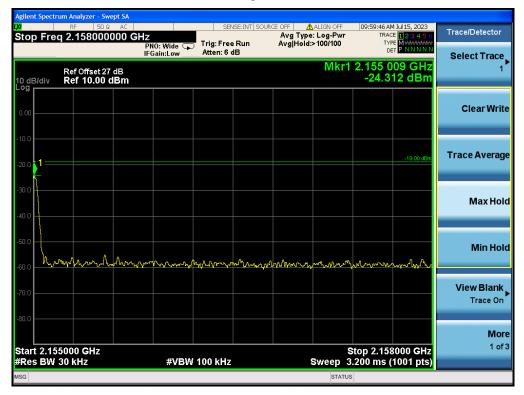


AWS-1 DL Left Side Max Input

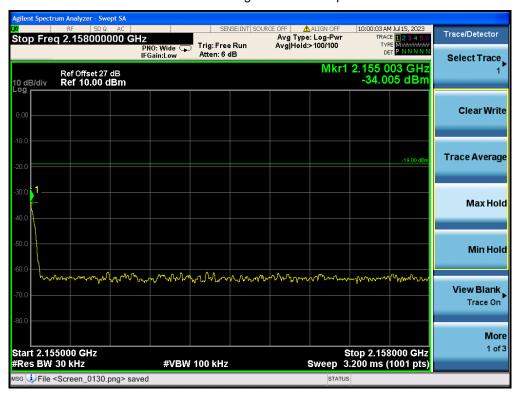




AWS-1 DL Right Side Pre AGC



AWS-1 DL Right Side Max Input





Low A-E Blocks LTE UL Left Side Pre AGC



Low A-E Blocks LTE UL Left Side Max Input





Low A-E Blocks LTE UL Right Side Pre AGC



Low A-E Blocks LTE UL Right Side Max Input





Low A-E Blocks LTE DL Left Side Pre AGC



Low A-E Blocks LTE DL Left Side Max Input





Low A-E Blocks LTE DL Right Side Pre AGC



Low A-E Blocks LTE DL Right Side Max Input

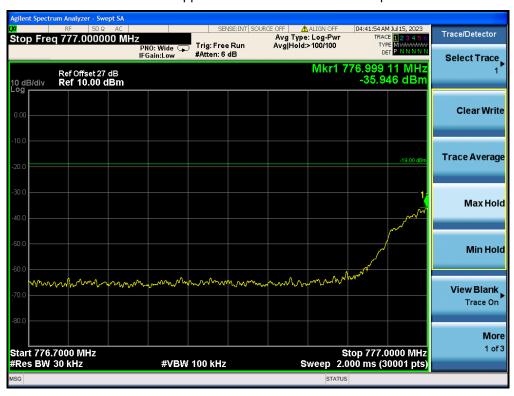




700 MHz Upper C Block UL Left Side Pre AGC



700 MHz Upper C Block UL Left Side Max Input





700 MHz Upper C Block UL Right Side Pre AGC



700 MHz Upper C Block UL Right Side Max Input





700 MHz Upper C Block DL Left Side Pre AGC



700 MHz Upper C Block DL Left Side Max Input





700 MHz Upper C Block DL Right Side Pre AGC

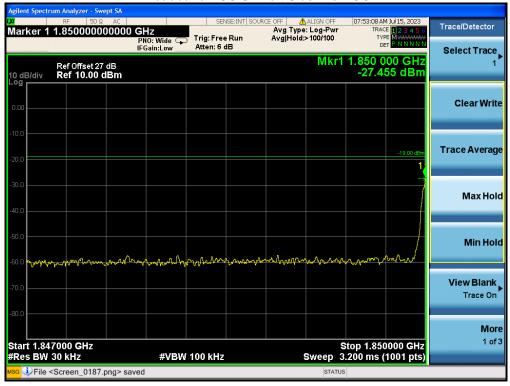


700 MHz Upper C Block DL Right Side Max Input

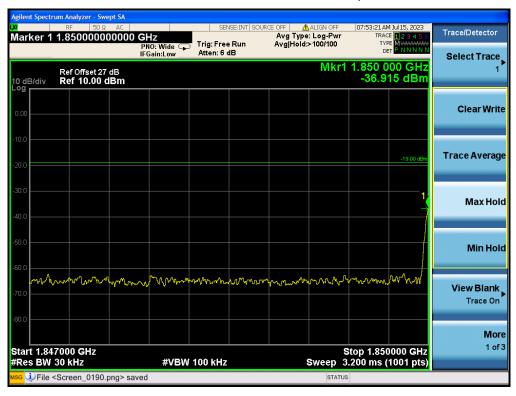




Broadband PCS UL Left Side Pre AGC

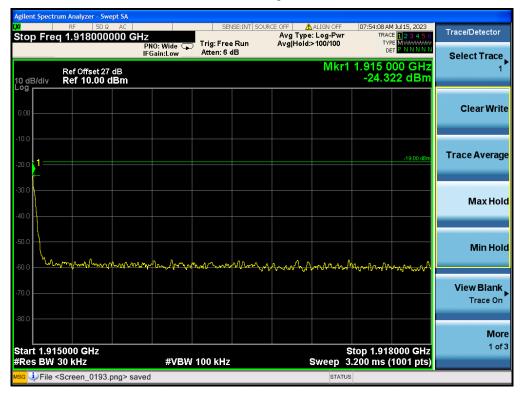


Broadband PCS UL Left Side Max Input





Broadband PCS UL Right Side Pre AGC

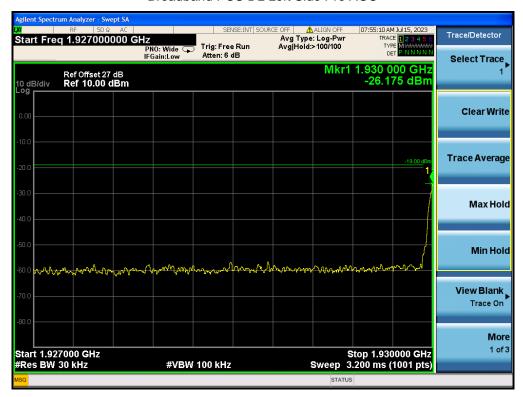


Broadband PCS UL Right Side Max Input

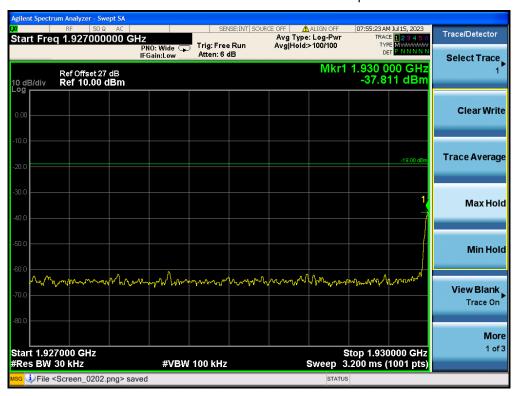




Broadband PCS DL Left Side Pre AGC

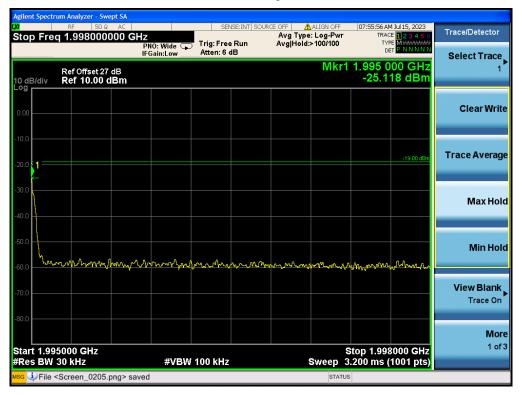


Broadband PCS DL Left Side Max Input

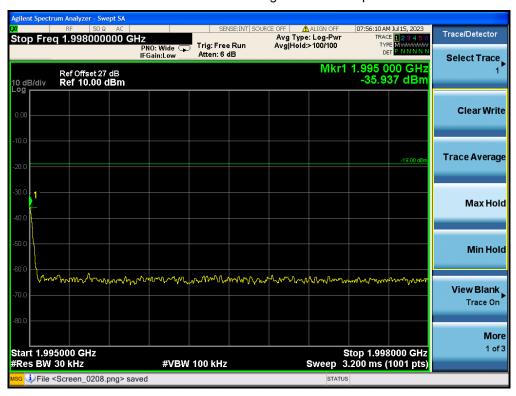


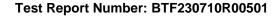


Broadband PCS DL Right Side Pre AGC



Broadband PCS DL Right Side Max Input

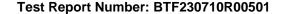






5.6 Spurious Emissions At Antenna Terminals

5.6 Spurious Ellis	Sions At Antenna Terminals
Test Requirement:	The following procedures shall be used to demonstrate compliance to the applicable conducted spurious emissions limits as per §2.1051. Note: For frequencies below 1 GHz, an RBW of 1 MHz may be used in a preliminary measurement. If non-compliant emissions are detected, a final measurement shall be made with a 100 kHz RBW. Additionally, a peak detector may also be used for the preliminary measurement. If non-compliant emissions are detected then a final measurement of these emissions shall be made with the power averaging (RMS) detector.
Limit:	-13 dBm; For equipment operating in the frequency bands 746-756 MHz and 777-787 MHz, The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequenciesbetween 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), byat least: (i) 76 + 10 log10 p (watts), dB, for base and fixed equipment, and (ii) 65 + 10 log10 p (watts), dB, for mobile and portable equipment.
Test Setup:	RF Attenuator (if required) Spectrum Analyzer Signal Generator
Procedure:	 a) Connect the EUT to the test equipment as shown in Figure 1. Begin with the uplink output connected to the spectrum analyzer. b) Configure the signal generator for AWGN with an emissions bandwidth of 4.1 MHz operation with a center frequency corresponding to the center of the operational band under test and with a bandwidth representative of the bandwidth of the uplink or downlink signal. c) Set the signal generator amplitude to the level determined in the power measurement procedure in 7.2. d) Turn on the signal generator RF output and measure the spurious emission power levels with an appropriate measurement instrument as follows. e) Set RBW = measurement bandwidth specified in the applicable rule section for the operational frequency band under consideration (see Annex A for relevant cross-references). Note that many of the individual rule sections permit the use of a narrower RBW (typically ≥ 1% of the emission bandwidth) in order to enhance measurement accuracy, but the result must then be integrated over the specified measurement bandwidth. f) Set VBW = 3 X RBW. g) Select the power averaging (RMS) detector. (See above note regarding the use of a peak detector for preliminary measurements.) h) Sweep time = auto-couple. i) Set the analyzer start frequency to the lowest radio frequency signal generated in the equipment, without going below 9 kHz, and the stop frequency to the lower band/block edge frequency minus 100 kHz or 1 MHz, as specified in the applicable rule part. Note that the number of measurement points in each sweep must be ≥ (2 x span/RBW) which may require that the measurement range defined by the start and stop frequencies above be subdivided, depending on the available number of measurement points provided by the spectrum analyzer trace average at least 10 traces in power averaging (i.e., RMS) mode. j) Use the peak marker function to identify the highest amplitude level over each measured frequency ra





100 kHz or 1 MHz, as specified in the applicable rule part, and the analyzer stop frequency to 10 times the highest frequency of the fundamental emission. Note that the number of measurement points in each sweep must be ≥ (2 x span/RBW) which may require that the measurement range defined by the start and stop frequencies above be subdivided, depending on the available number of measurement points provided by the spectrum analyzer.

I) Use the peak marker function to identify the highest amplitude level over each of the measured frequency ranges. Record the frequency and amplitude and capture a plot for inclusion in the test report.

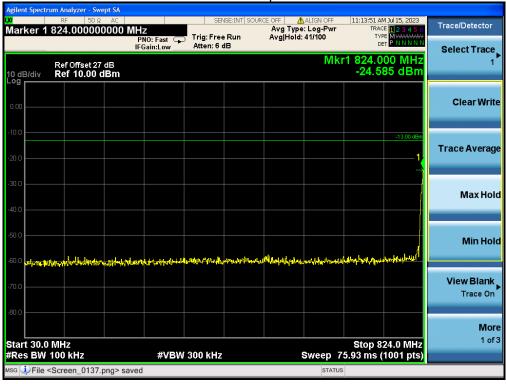
m) Repeat steps 7.6.2 through 7.6.12 for each supported frequency band of operation.

5.6.1 E.U.T. Operation:

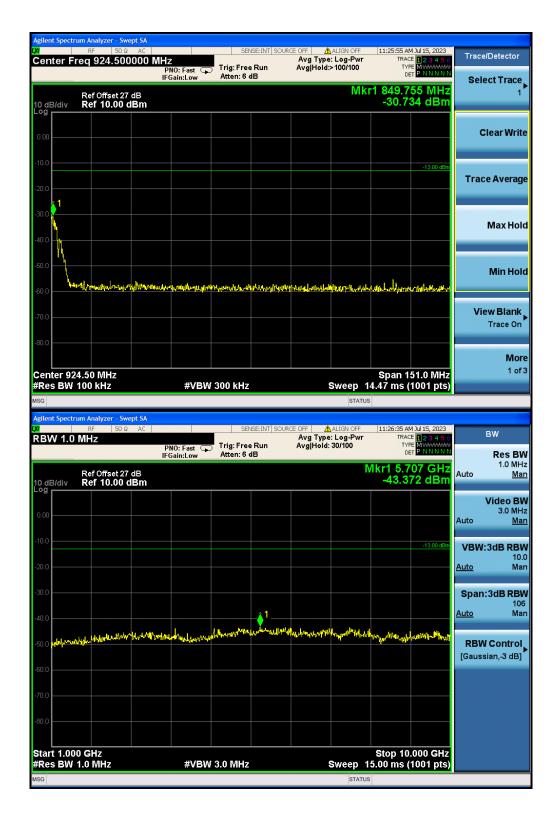
Operating Environment:	
Temperature:	22.1 °C
Humidity:	46.3 %
Atmospheric Pressure:	1010 mbar

5.6.2 Test Data:

Cellular Uplink

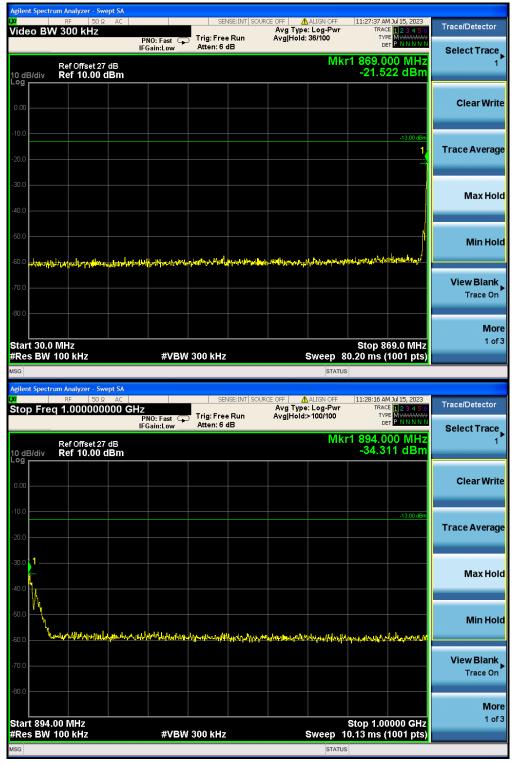






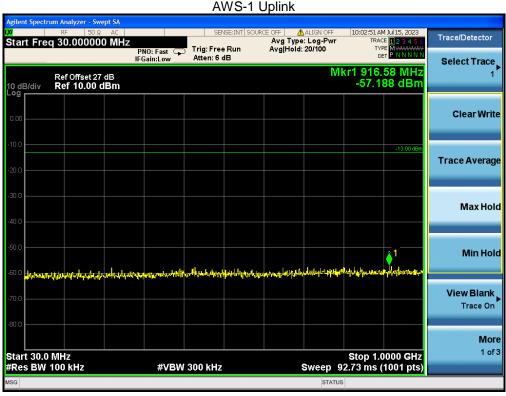




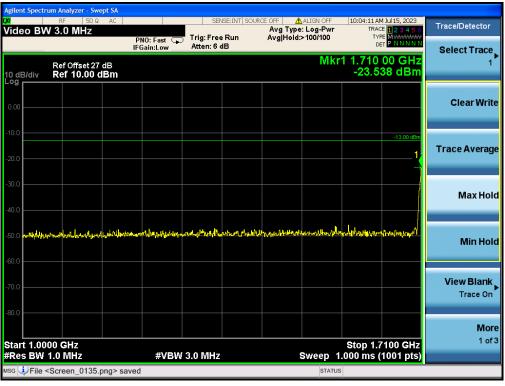








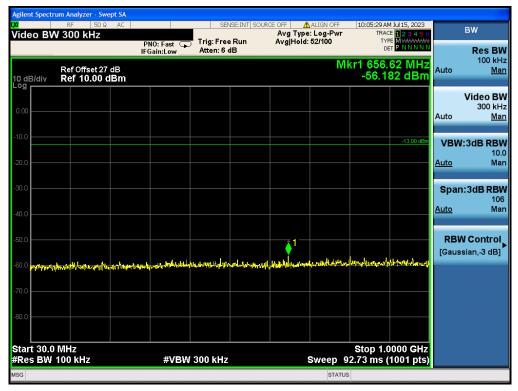


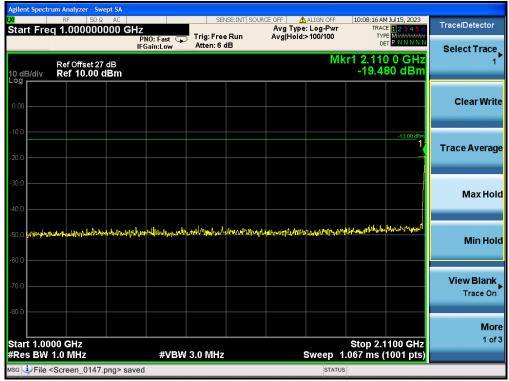






AWS-1 Downlink

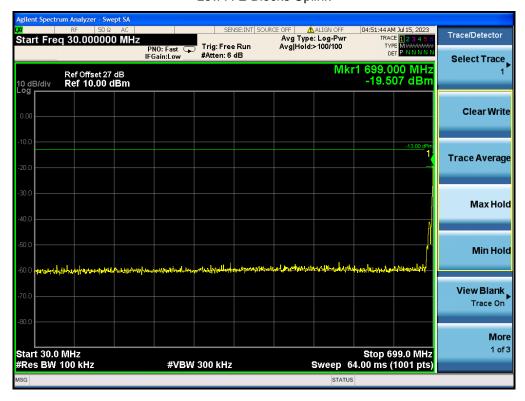




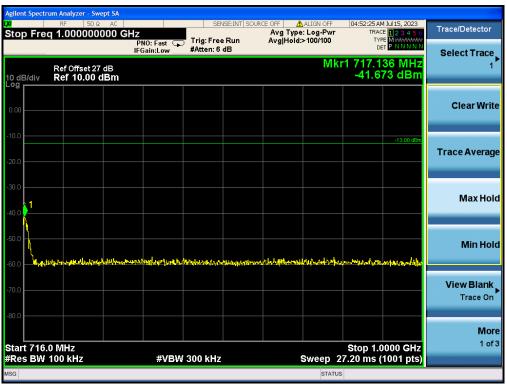




Low A-E Blocks Uplink



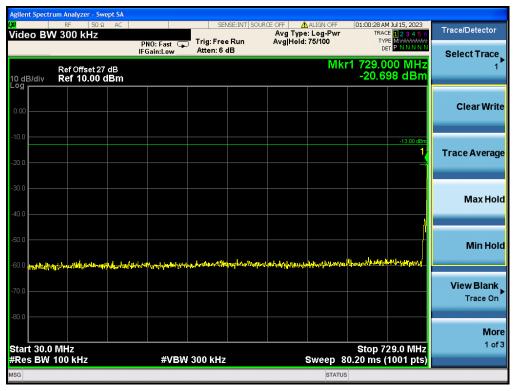


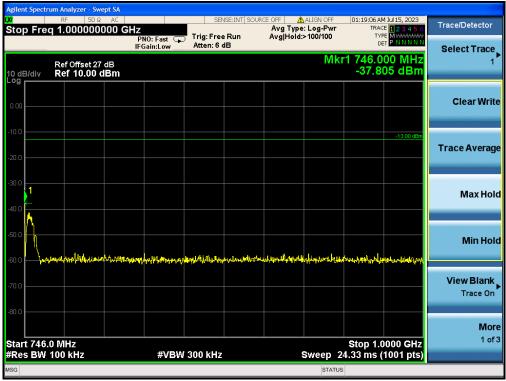






Low A-E Blocks Downlink

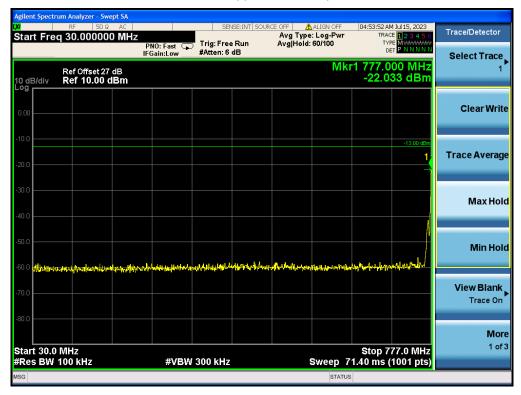




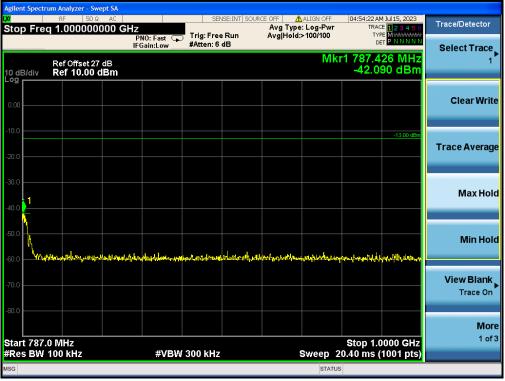




700 MHz Upper C Block Uplink



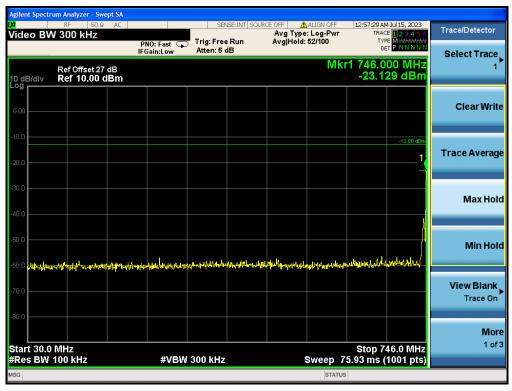


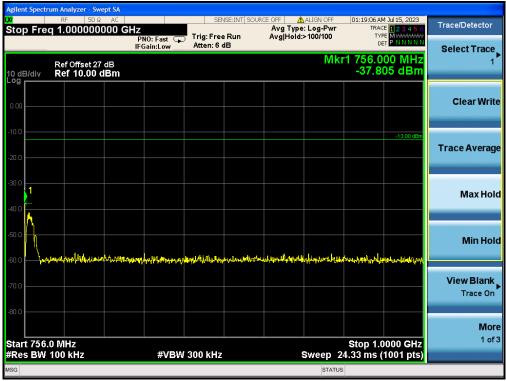






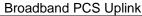
700 MHz Upper C Block Downlink

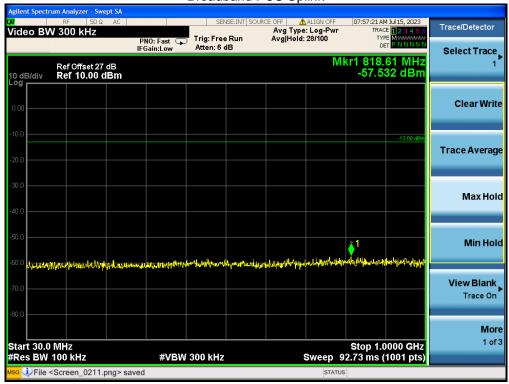




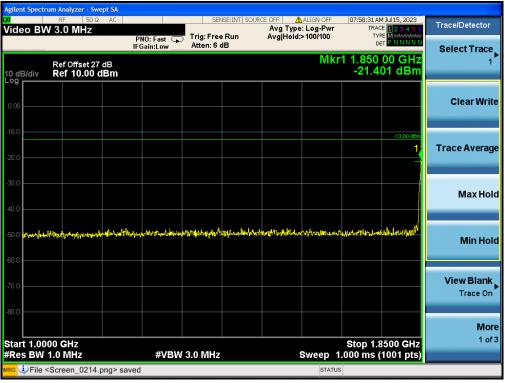








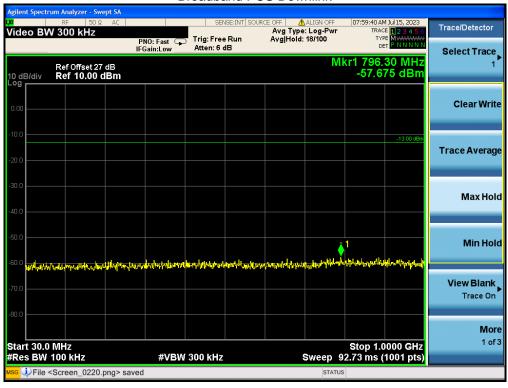


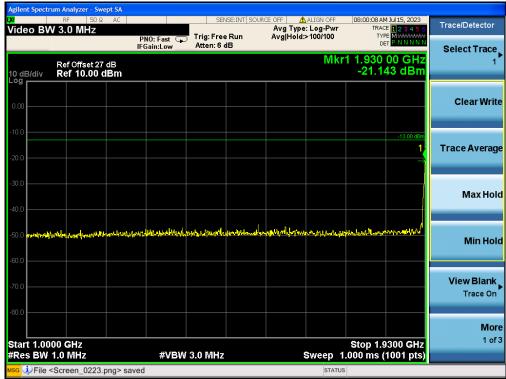






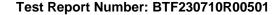
Broadband PCS Downlink





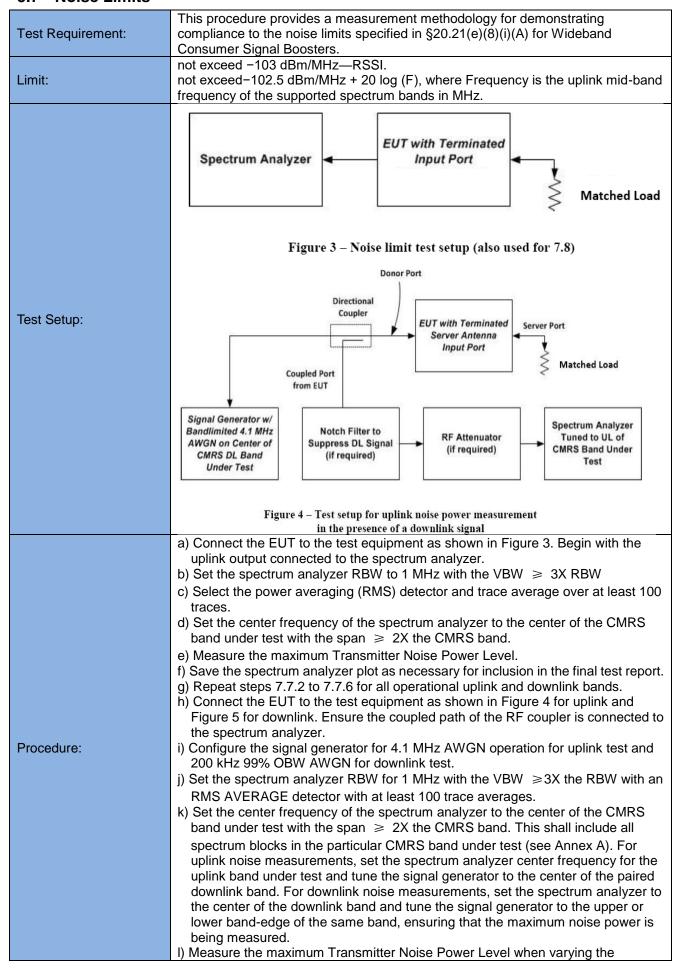


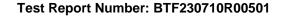






5.7 Noise Limits

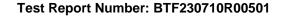






downlink signal generator level from -90 to -10 dBm in 1 dB steps inside the RSSI dependent region and 10 dB steps outside the RSSI dependent region, report the six values closest to the limit with at least 2 points within the RSSI dependent region of the limit.

- m) Repeat 7.7.7 through 7.7.11 for all operational uplink and downlink bands.
- n) Variable Uplink noise timing is to be measured as follows.
- o) Set the spectrum analyzer to the uplink frequency to be measured.
- p) Set the span to 0 Hz with a sweep time of 10 seconds.
- q) Set the power level of signal generator 1 to the lowest level of the RSSI dependent noise.
- r) Select MAX HOLD and increase the power level of signal generator 1 by 10 dB for mobile boosters and 20 dB for fixed boosters.
- s) Ensure that the Uplink noise decrease to the specified levels within 1 second for mobile devices and 3 seconds for fixed devices.
- t) Repeat 7.7.14 7.7.19 for all operational uplink bands
- Note: Some signal boosters will require a signal generator input as they will not operate unless a signal is received at the input terminals. If this is the case connect a signal generator and cycle the RF output to simulate this function.





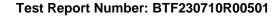
5.7.1 E.U.T. Operation:

Operating Environment:		
Temperature:	−30 °C and +50	
Humidity:	46.3 %	
Atmospheric Pressure:	1010 mbar	

5.7.2 Test Data:

Frequency (MHz)	Max Noise Power Measured dBm/MHz	Limit dBm/MHz	Result (dB)
UL 824-849	-49.934	-44.05	PASS
UL1710-1755	-50.560	-37.72	PASS
UL699-716	-48.975	-45.51	PASS
UL777-787	-50.872	-44.64	PASS
UL1850-1915	-51.819	-37.00	PASS
DL 869-894	-48.581	-44.05	PASS
DL2110-2155	-49.961	-37.72	PASS
DL729-746	-51.011	-45.51	PASS
DL746-756	-50.780	-44.64	PASS
DL1930-1995	-51.860	-37.00	PASS

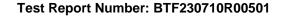
Note: Fixed booster maximum noise power shall not exceed -102.5 dBm/MHz + 20 log (F), where Frequency is the uplink mid-band frequency of the supported spectrum bands in MHz.





Operation Bands	RSSI dBm	Variable Uplink Noise Measured dBm/MHz	Limit dBm/MHz	Result (dB)
	-90	-53.23	-44.05	PASS
	-80	-51.58	-44.05	PASS
O alluda a	-70	-53.47	-44.05	PASS
Cellular	-45	-62.31	-58.00	PASS
	-41	-65.38	-62.00	PASS
	-40	-65.21	-63.00	PASS
	-90	-52.72	-37.72	PASS
	-80	-52.38	-37.72	PASS
	-70	-53.45	-37.72	PASS
AWS-1	-45	-62.75	-58.00	PASS
	-41	-65.75	-62.00	PASS
	-40	-65.13	-63.00	PASS
	-90	-59.08	-45.51	PASS
	-80	-58.42	-45.51	PASS
	-70	-58.39	-45.51	PASS
Low A-E Blocks	-46	-59.21	-57.00	PASS
	-41	-64.59	-62.00	PASS
	-40	-66.43	-63.00	PASS
	-90	-52.36	-44.64	PASS
	-80	-55.28	-44.64	PASS
	-70	-56.47	-44.64	PASS
700 MHz Upper C Block	-45	59.38	-58.00	PASS
DIOCK	-41	-64.29	-62.00	PASS
	-40	-66.09	-63.00	PASS
	-40	-66.47	-63.00	PASS
	-90	-52.45	-37.00	PASS
	-80	-56.28	-37.00	PASS
Broadband PCS	-70	-57.31	-37.00	PASS
	-45	-59.27	-58.00	PASS
	-41	-63.41	-62.00	PASS

Note: According to the KDB 935210 D03 Signal Booster Measurements v04r04 APPENDIX D, when outside of RSSI Dependent limit (20.21.e.8.1.A.1),fixed booster maximum noise power shall not exceed −102.5 dBm/MHz + 20 log (F).RSSI limit not exceed −103 dBm/MHz-RSSI.

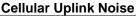




Variable Uplink Noise Timing

i labio opinik Holoo i lilili	<u>'9</u>		
Operation Bands	Measured Sec	Limit Sec	Results
Cellular	1.52	3	PASS
AWS-1	0.75	3	PASS
Low A-E Blocks	1.31	3	PASS
700 MHz Upper C Block	1.52	3	PASS
Broadband PCS	1.26	3	PASS

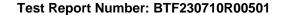






Cellular Downlink Noise





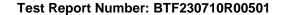






AWS-1 Downlink Noise





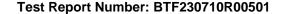






700 MHz Upper C Block Downlink Noise











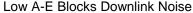
Broadband PCS Downlink Noise



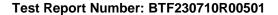


Low A-E Blocks Uplink Noise











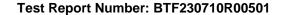
Variable Noise Timing Test Plots

Cellular



AWS-1







Low A-E Blocks



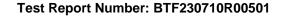






Broadband PCS







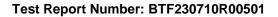
5.8 Uplink Inactivity

Test Requirement:	This measurement procedure is intended to demonstrate compliance to the uplink inactivity requirements specified for Wideband Consumer Signal Boosters in §20.21(e)(8)(i)(I).					
Limit:	20.21(e), When a consumer booster is not serving an active device connection after 5 minutes the uplinknoise power shall not exceed -70 dBm/MHz.					
Test Setup:	Spectrum Analyzer EUT with Terminated Input Port Matched Load Figure 3 – Noise limit test setup (also used for 7.8)					
Procedure:	a) Connect the EUT to the test equipment as shown in Figure 3 with the uplink output connected to the spectrum analyzer. b) Select the RMS power averaging detector. c) Set the spectrum analyzer RBW for 1 MHz with the VBW ≥ 3X RBW. d) Set the center frequency of the spectrum analyzer to the center of the uplink operational band. e) Set the span for 0 Hz with a single sweep time for a minimum of 330 seconds. f) Start to capture a new trace using MAX HOLD. g) After approximately 15 seconds turn on the EUT power. h) Once the full spectrum analyzer trace is complete place a MARKER on the leading edge of the pulse and use the DELTA MARKER METHOD to measure the time until the uplink was squelched. i) Ensure the noise level for the squelched signal is below the uplink inactivity noise power limit, as specified by the rules. j) Capture the plot for inclusion in the test report. k) Measure noise using procedures in sections 7.7.1- 7.7.5. l) Repeat steps 7.8.3 to 7.8.10 for all operational uplink bands. Note: Some signal boosters will require a signal generator input as they will not operate unless a signal is received at the input terminals. If this is the case connect a signal generator and cycle the RF output to simulate this function.					

5.8.1 E.U.T. Operation:

Operating Environment:		
Temperature:	−30 °C and +50	
Humidity:	46.3 %	
Atmospheric Pressure:	1010 mbar	

5.8.2 Test Data:





Operation			
Bands	Uplink Inactivity Measured(s)	Limit(s)	Result
Cellular	282.1	300.0	PASS
AWS-1	290.0	300.0	PASS
Low A-E Blocks	276.1	300.0	PASS
700 MHz Upper C Block	278.2	300.0	PASS
Broadband PCS	275.2	300.0	PASS



Cellular



AWS-1



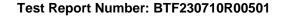


Low A-E Blocks



700 MHz Upper C Block

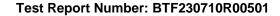






Broadband PCS





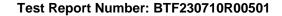


5.9 Variable Booster Gain

	This procedure shall be used to demonstrate compliance to the Booster Gain						
Test Requirement:	Limits specified for Wideband Consumer Signal Boosters in §21(e)(8)(i)(C). The variable booster gain limits are expressed as a function of RSSI and MSCL. The RSSI is varied over a range of values as specified within the procedure. Refer to Annex B of this document for guidance with respect to determining the applicable MSCL value.						
Limit:	-34 dB -RSSI + MSCL						
Test Setup:	Donor Port Server Port Uplink Signal Generator #2 Downlink Signal Generator #1 Notch Filter (if required) RF Attenuator (if required) Spectrum Analyzer						
Procedure:	a) Connect the EUT to the test equipment as shown in Figure 6 with the uplink output connected to signal generator 1. Ensure the coupled path of the RF coupler is connected to the spectrum analyzer. b) Configure downlink signal generator #1 for AWGN operation with an 99% occupied bandwidth of 4.1 MHz tuned to the center of the operational band. c) Set the power level and frequency of signal generator # 2 to a value 5 dB below the AGC level from section 7.2. The signal type is AWGN with a 99% OBW of 4.1 MHz. d) Set RBW = 100 kHz. e) Set VBW ≥ 300 kHz. f) Select the CHANNEL POWER measurement tool. g) Select the RMS (power averaging) detector. h) Ensure that the number of measurement points per sweep ≥ (2 x span)/RBW. i) Sweep time = auto couple or as necessary. j) Trace average at least 10 traces in power averaging (i.e., RMS) mode. k) Measure the maximum channel power and compute maximum gain when varying the signal generator 1 to a level from -90 to -10 dBm in 1 dB steps inside the RSSI dependent region and 10 dB steps outside the RSSI dependent region and report the six values closest to the limit, including at least two points from within the RSSI dependent region of operation. l) Repeat 7.9.3 − 7.9.11 for all operational uplink bands. m) Variable Uplink gain timing is to be measured as follows. n) Set the spectrum analyzer to the uplink frequency to be measured. o) Set the span to 0 Hz with a sweep time of 10 seconds. p) Set the power level of signal generator 1 to the lowest level of the RSSI dependent gain. q) Select MAX HOLD and increase the power level of signal generator 1 by 10 dB for mobile booster and 20 dB for fixed indoor boosters. r) Ensure that the Uplink gain decrease to the specified levels within 1 second for mobile devices and 3 seconds for fixed devices. s) Repeat 7.9.13 − 7.9.18 for all operational uplink bands.						

5.9.1 E.U.T. Operation:

Operating Environment:	
Temperature:	−30 °C and +50
Humidity:	46.3 %
Atmospheric Pressure:	1010 mbar



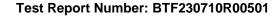


5.9.2 Test Data:

	MSCL Calculation						
Operation Bands	Frequency (MHz)	Distance (m)	Path loss (dB)	Indoor Antenna Gain(dBi)	Indoor Cable Loss(dB)	Polarity Loss(dB)	MSCL (dB)
Cellular	869	2	37.30	9	3	9.03	40.33
AWS-1	2110	2	45.01	9	3	9.03	48.04
Broadband PCS	1930	2	44.23	9	3	9.03	47.26
Low A-E Blocks	729	2	35.78	9	3	9.03	38.81
700 MHz Upper C Block	746	2	35.98	9	3	9.03	39.01

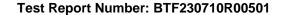
Note: Path loss = 20logf + 20logd - 27.5

Polarity loss = 20Log (2/Sin (45deg)) dB = 9.03dB





Variable booster gain							
Operation Band	RSSI (dBm)	Input Power (dBm)	Output Power (dBm)	Measured Gain (dB)	MSCL	Limit	Results
	-52	-41	11.35	52.35	40.33	58.33	PASS
	-51	-41	10.31	51.31	40.33	57.33	PASS
Cellular	-48	-41	9.84	50.84	40.33	54.33	PASS
Celiulai	-46	-41	6.14	47.14	40.33	52.33	PASS
	-43	-41	5.01	46.01	40.33	49.33	PASS
	-41	-41	4.58	45.58	40.33	47.33	PASS
	-52	-41	11.02	52.02	48.04	66.04	PASS
	-50	-41	10.14	51.14	48.04	64.04	PASS
AWS-1	-47	-41	9.34	50.34	48.04	61.04	PASS
AVV 5-1	-45	-41	6.14	47.14	48.04	59.04	PASS
	-43	-41	5.02	46.02	48.04	57.04	PASS
	-42	-41	3.86	44.86	48.04	56.04	PASS
	-52	-41	10.24	51.24	47.26	65.26	PASS
	-50	-41	9.34	50.34	47.26	63.26	PASS
Broadband	-49	-41	6.47	47.47	47.26	62.26	PASS
PCS	-46	-41	4.01	45.01	47.26	59.26	PASS
	-40	-41	2.96	43.96	47.26	53.26	PASS
	-38	-41	1.24	42.24	47.26	51.26	PASS
	-52	-41	11.51	52.51	38.81	56.81	PASS
	-49	-41	8.96	49.96	38.81	53.81	PASS
Low A-E	-48	-41	7.68	48.68	38.81	52.81	PASS
Blocks	-45	-41	5.98	46.98	38.81	49.81	PASS
	-43	-41	4.02	45.02	38.81	47.81	PASS
	-41	-41	2.84	43.84	38.81	45.81	PASS
	-51	-41	11.58	52.58	39.01	56.01	PASS
	-50	-41	9.67	50.67	39.01	55.01	PASS
700 MHz	-48	-41	8.64	49.64	39.01	53.01	PASS
Upper C Block	-46	-41	5.01	46.01	39.01	51.01	PASS
	-43	-41	4.89	45.89	39.01	48.01	PASS
	-42	-41	3.58	44.58	39.01	47.01	PASS





Variable Uplink Gain Timing

Variable Uplink Gain Timing					
Operation Band	Measured Sec	Limit Sec	Result		
Cellular	1.28	3.0	PASS		
AWS-1	1.19	3.0	PASS		
Broadband PCS	1.56	3.0	PASS		
Low A-E Blocks	1.38	3.0	PASS		
700 MHz Upper C Block	1.52	3.0	PASS		

Cellular





AWS-1



Broadband PCS



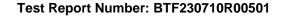


Low A-E Blocks



700 MHz Upper C Block







5.10 Occupied Bandwidth

Test Requirement:	This measurement is required to compare the uniformity of the output signal relative to the input signal and to satisfy the requirements of §2.1049.
Test setup:	Signal Generator Spectrum Analyzer
	Figure 6 – Test setup for measuring characteristics of test signals
	used for subsequent EUT occupied bandwidth testing
Procedure:	 a) Connect the test equipment as shown in Figure 7 to measure the characteristics of the test signals produced by the signal generator. b) Set VBW to ≥ 3X RBW c) Set the center frequency of the spectrum analyzer to the center of the operational band. The span will be adjusted for each modulation type and occupied bandwidth as necessary for accurately viewing the signals. d) Set the signal generator for power level to match the values obtained in section 7.2. e) Set the signal generator modulation type for GSM with a PBRS pattern and allow the trace on the signal generator to stabilize adjusting the span as necessary. f) Set the spectrum analyzer RBW for 1% to 5% of the emissions bandwidth. g) Capture the spectrum analyzer trace for inclusion in the test report. h) Repeat steps 7.10.3 – 7.10.7 for CDMA and WCDMA modulation adjusting the span as necessary for all uplink and downlink operational bands. [AWGN or LTE may be used in place of WCDMA, as an option] i) Connect the test equipment as shown in Figure 1. Begin with the uplink output connected to the spectrum analyzer j) Repeat steps 7.10.3 – 7.10.8 in this new configuration.

5.10.1 E.U.T. Operation:

Operating Environment:	
Temperature:	−30 °C and +50
Humidity:	46.3 %
Atmospheric Pressure:	1010 mbar

5.10.2Test Data: