

5.7.3. Test Data

Operation			
Bands	Uplink Inactivity Measured(s)	Limit(s)	Result
Band25	277.2	300.0	PASS
CDMA	277.2	300.0	PASS
	Bands Band25	Bands Uplink Inactivity Measured(s) Band25 277.2	Bands Uplink Inactivity Measured(s) Limit(s) Band25 277.2 300.0

				17100	
L					



Band25



CDMA





5.8. Variable Booster Gain

5.8.1. Test Specification

Test Requirement:	FCC Part20 Section 120.21(e)(8)(i)(C)	(1)			
rest Requirement.	FCC Part20 Section 120.21(e)(8)(i)(H)	FCC Part20 Section 120.21(e)(8)(i)(H)			
Test Method:	KDB935210 D03 Signal booster Measu	urements v04r04			
Limit:	-34 dB - RSSI + MSCL	(5)			
Test Setup:	Donor Port Directional Coupler EUT Coupled Port from EUT Notch Filter (if required) Figure 5 – Variable gain instrumentation test setup				
Test Procedure:	 Variable gain: a) Connect the EUT to the test equipment as so the uplink output (donor) port connected to Affirm that the coupled path of the RF couples spectrum analyzer. b) Configure downlink signal generator #1 for A a 99% OBW of 4.1 MHz, tuned to the center band. c) Set the power level and frequency of signal value that is 5 dB below the AGC level detersignal type is AWGN with a 99% OBW of 4.d) Set RBW = 100 kHz. e) Set VBW ≥ 300 kHz. f) Select the CHANNEL POWER measurement g) Select the power averaging (rms) detector. h) Affirm that the number of measurement point span)/RBW. i) Sweep time = auto couple or as necessary (becouple value). j) Trace average at least 10 traces in power avenued. k) Measure the maximum channel power and complete value in 1 dB steps inside the RSSI-dependent region. For using the RSSI-dependent region. In 1 dB steps inside the RSSI-dependent region. See generating the closest to the limit, including at least two posteriors. See generating in shutoff mode that the uple is within the transmit power off mode gain lied. Provides equivalent uplink and when operating in shutoff mode that the uple is within the transmit power off mode gain lied. Provides uplink gain timing: Variable uplink gain timing: Variable uplink gain timing is to be measured as the posterior of the popular timing. 	signal generator #1. er is connected to the AWGN operation with er of the operational generator #2 to a ermined from 7.2. The .1 MHz. It mode. Its per sweep ≥ (2 . out no less than auto eraging (i.e., rms) compute maximum output to a level the input port (i.e., port node of Figure 5), egion, and 10 dB Report the six values oints from within the gain limit in charts in dditionally, document d downlink gain, and ink and downlink gain imits. uplink bands.			



Report No.: TCT230601E002 a) Set the spectrum analyzer to the uplink frequency to be measured. b) Set the span to 0 Hz with a sweep time of 10 seconds. c) Set the power level of signal generator #1 to the lowest level of the RSSI-dependent gain [see 7.9.1k)]. d) Select MAX HOLD and increase the power level of signal generator #1 by 10 dB for mobile boosters, and by 20 dB for fixed indoor boosters. Signal generator #2 remains same, as described in 7.9.1c). e) Confirm that the uplink gain decreases to the specified levels, within 1 second for mobile devices, and within 3 seconds for fixed devices.13 f) Repeat 7.9.2a) to 7.9.2e) for all operational uplink bands. **PASS Test Result:**

5.8.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	E4421B	GB39340839	Jul. 05, 2022	Jul. 04, 2023
Signal Generator	Agilent	N5182A	MY47070282	Jul. 04, 2022	Jul. 03, 2023
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 05, 2022	Jul. 04, 2023
RF Combiner	SUNVNDN	SUD-CS 0800	16230009	/	Ø 1
Attenuator	50FP-006-H3	JFW	907763	/	/

5.8.3. Test Data

Mobile station coupling loss (MSCL): the minimum coupling loss (in dB) between the wireless device and the input (server) port of the consumer booster. MSCL must be calculated or measured for each band of operation and provided in compliance test reports. MSCL includes the path loss from the wireless device, and the booster's server antenna gain and cable loss. The wireless device is assumed to be an isotropic (0 dBi) antenna reference. Minimum standoff distances from inside wireless devices to the booster's server antenna must be reasonable and specified by the manufacturer in customer provided installation manuals.

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Report No.: TCT230601E002 **MSCL Calculation** Path Indoor Indoor Operation Frequency Distance Polarity **MSCL** Cable loss Antenna **Bands** (MHz) Loss(dB) (dB) (m) (dB) Gain(dBi) Loss(dB) Band 25 1850 2 43.86 5 3 3.01 44.87 **CDMA** 824 2 36.83 5 3 3.01 37.84

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

Polarity loss = 20Log (1/Sin (45deg)) dB = 3.01dB

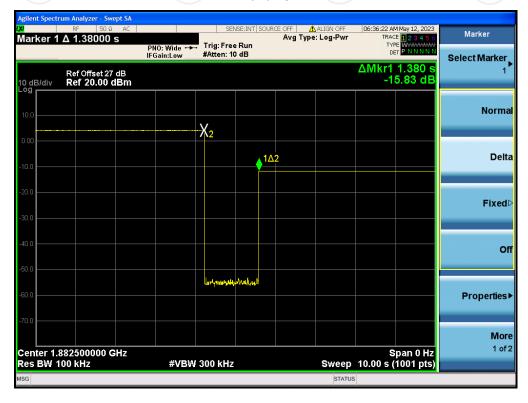
			Variable b	ooster gain			
Operation Band	RSSI (dBm)	Input Power (dBm)	Output Power (dBm)	Measured Gain (dB)	MSCL	Limit	Results
	-52	-41	11.24	52.24	44.87	62.87	PASS
	-50	-41	9.96	50.96	44.87	60.87	PASS
Dand OF	-47	-41	8.27	49.27	44.87	57.87	PASS
Band 25	-45	-41	5.69	46.69	44.87	55.87	PASS
	-43	-41	3.12	44.12	44.87	53.87	PASS
	-42	-41	2.02	43.02	44.87	52.87	PASS
	-53	-41	10.42	51.42	37.84	56.84	PASS
	-51	-41	8.68	49.68	37.84	54.84	PASS
CDMA	-50	-41	6.73	47.73	37.84	53.84	PASS
CDMA	-45	-41	3.69	44.69	37.84	48.84	PASS
	-40	-41	1.56	42.56	37.84	43.84	PASS
	-39	-41	0.05	41.05	37.84	42.84	PASS
	7.41						



Variable Uplink Gain Timing

Variable Uplink Gain Timing						
Operation Band	Measured Sec	Limit Sec	Result			
Band 25	1.38	3.0	PASS			
CDMA	1.48	3.0	PASS			

Band 25







Center 836.500000 MHz Res BW 100 kHz

CDMA



#VBW 300 kHz

Span 0 Hz Sweep 10.00 s (1001 pts)





5.9. Occupied Bandwidth

5.9.1. Test Specification

Test Requirement:	FCC Part2 Section 2.1049
Test Method:	KDB935210 D03 Signal booster Measurements v04r04
Limit:	N/A
Test setup:	Signal Generator Spectrum Analyzer
	Figure 6 – Test setup for measuring characteristics of test signals used for subsequent EUT occupied bandwidth testing
Test Procedure:	 a) Connect the test equipment as shown in Figure 6 to firstly measure the characteristics of the test signals produced by the signal generator. b) Set VBW ≥ 3 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 OBW as necessary for accurately viewing the signals. d) Set the signal generator for power level to match the values obtained from the tests of 7.2. e) Set the signal generator modulation type for GSM with a PRBS 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 EBW. g) Capture the spectrum analyzer trace for inclusion in the test report. h) Repeat 7.10c) to 7.10g) for CDMA and W-CDMA modulation, adjusting the span as necessary. AWGN or LTE may be used in place of W-CDMA, as an option. i) Repeat 7.10c) to 7.10h) for all uplink and downlink operational bands. j) Connect the test equipment as shown in Figure 1, with the uplink output (donor) port connected to the spectrum analyzer, and the server port connected to the signal generator. k) Repeat 7.10c) to 7.10i) with this EUT uplink path test setup. l) Connect the test equipment as shown in Figure 1, with the downlink output (server) port connected to the signal generator. m) Repeat 7.10c) to 7.10i) with this EUT downlink path test setup.
Test results:	PASS

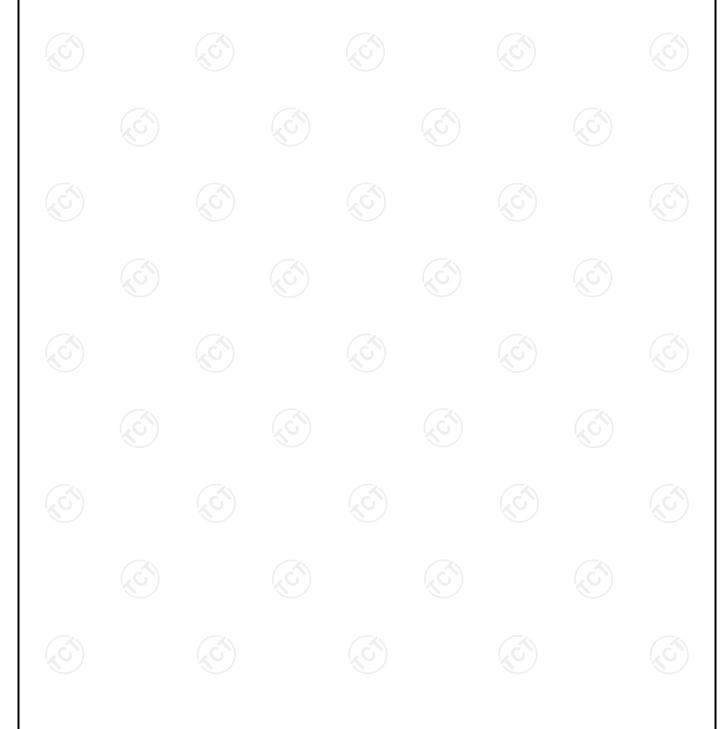
Report No.: TCT230601E002

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5.9.2. Test Instruments

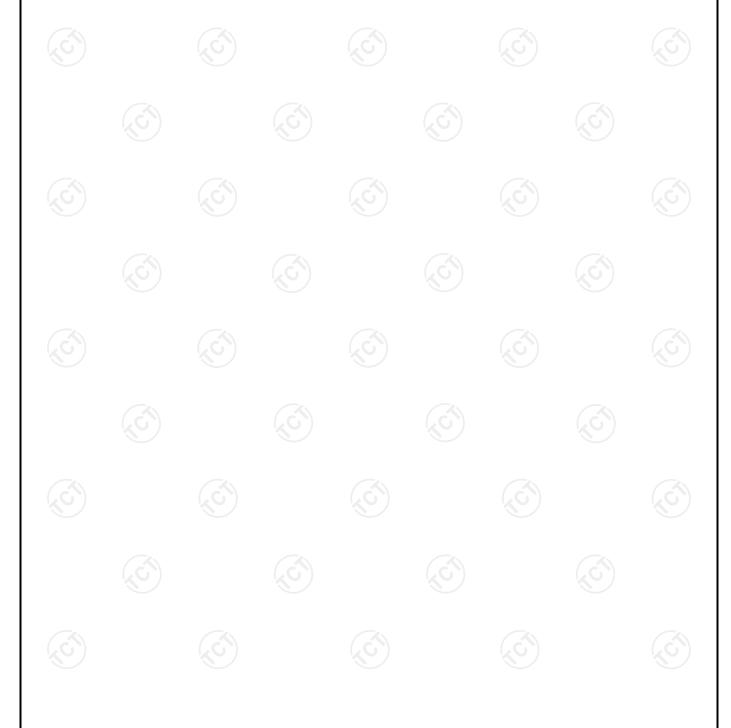
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Jul. 04, 2022	Jul. 03, 2023
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 05, 2022	Jul. 04, 2023





5.9.3. Test Data

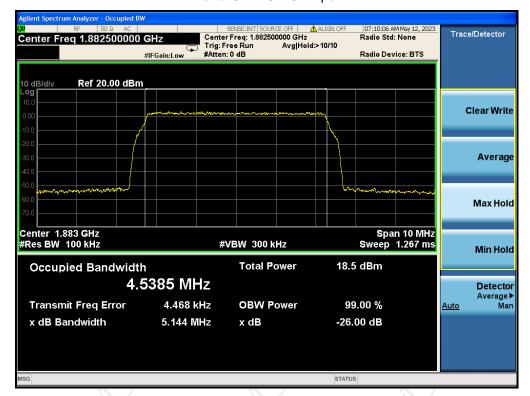
Operation Band		Signal	Input OBW [MHz]	Output OBW [MHz]	Results
Haliak	Band 25	AWGN	4.5385	4.5482	PASS
Uplink	CDMA	AWGN	1.2702	1.2732	PASS
Downlink	Band 25	AWGN	4.5344	4.5411	PASS
DOWNIINK	CDMA	AWGN	1.2730	1.2722	PASS



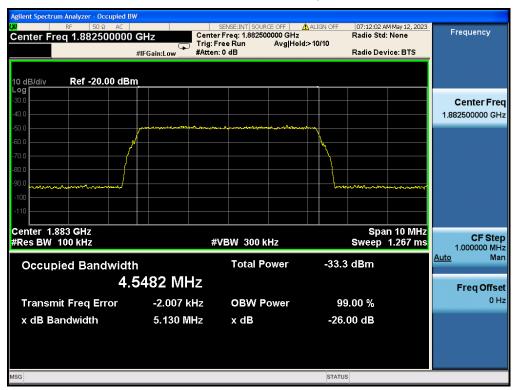


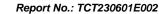
Band25 AWGN UL Input

Report No.: TCT230601E002



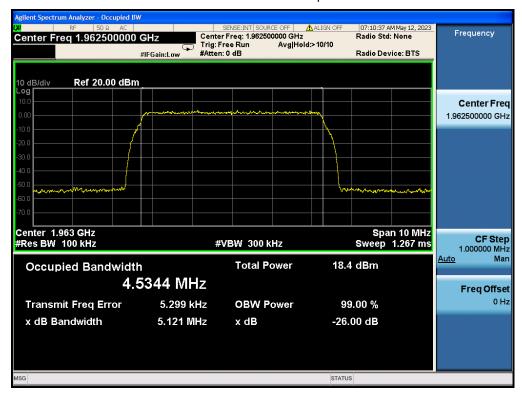
Band25 AWGN UL output



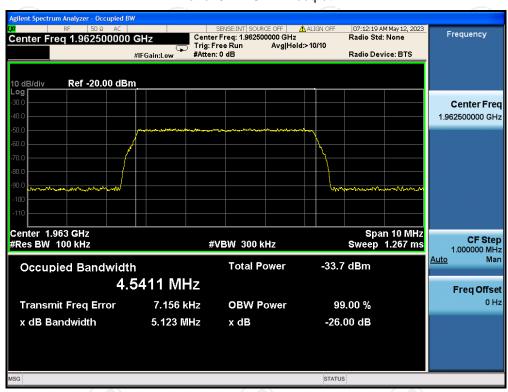




Band25 AWGN DL Input



Band25 AWGN DL output





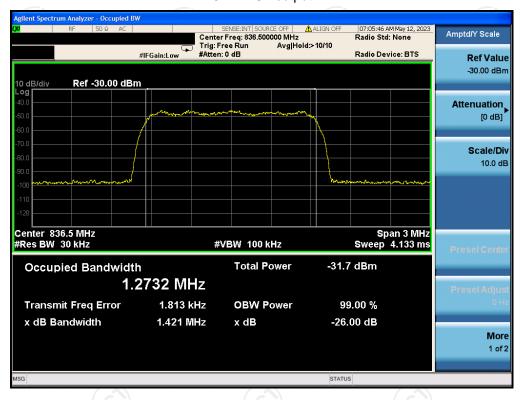
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TESTING CENTRE TECHNOLOGY

Report No.: TCT230601E002

CDMA UL Input

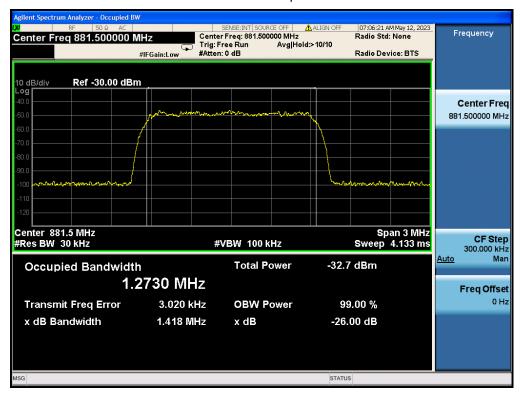


CDMA UL output

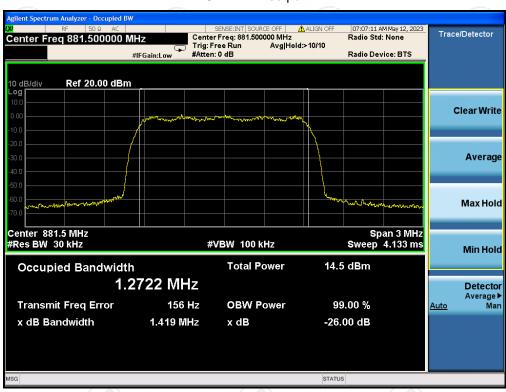




CDMA DL Input



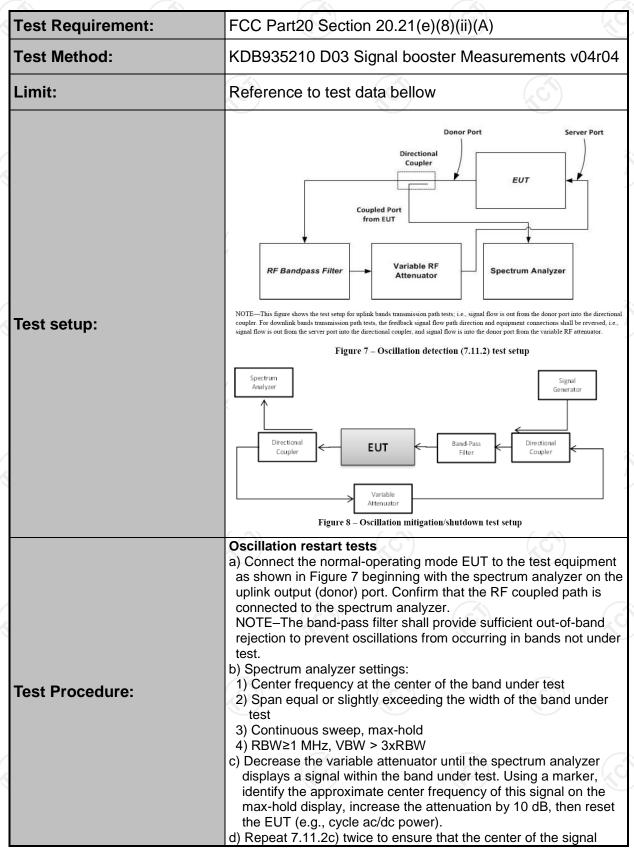
CDMA DL output





5.10. Oscillation Detection and Mitigation

5.10.1. Test Specification





- created by the booster remains within 250 kHz of the spectrum analyzer display center frequency. If the frequency of the signal is unstable, confirm that the spectrum analyzer display is centered between the frequency extremes observed. If the signal is wider than 1 MHz, ensure that the spectrum analyzer display is centered on the signal by increasing the RBW. Reset the EUT (e.g., cycle ac/dc power) after each oscillation event, if necessary. Set the spectrum analyzer sweep trigger level to just below the peak amplitude of the displayed EUT oscillation signal.
- e) Set the spectrum analyzer to zero-span, with a sweep time of 5 seconds, and single-sweep with max-hold. The spectrum analyzer sweep trigger level in this and the subsequent steps shall be the level identified in 7.11.2d).
- f) Decrease the variable attenuator until the spectrum analyzer sweep is triggered, increase the attenuation by 10 dB, then reset the EUT (e.g., cycle ac/dc power).
- g) Reset the zero-span trigger of the spectrum analyzer, then repeat 7.11.2f) twice to ensure that the spectrum analyzer is reliably triggered, resetting the EUT (e.g., cycle ac/dc power) after each oscillation event if necessary.
- h) Reset the zero-span sweep trigger of the spectrum analyzer, and reset the EUT (e.g., cycle ac/dc power).
- i) Force the EUT into oscillation by reducing the attenuation.
- j) Use the marker function of the spectrum analyzer to measure the time from the onset of oscillation until the EUT turns off, by setting Marker 1 on the leading edge of the oscillation signal and Marker 2 on the trailing edge. The spectrum analyzer sweep time may be adjusted to improve the time resolution of these cursors.
- k) Capture the spectrum analyzer zero-span trace for inclusion in the test report. Report the power level associated with the oscillation separately if it can't be displayed on the trace.
- Repeat 7.11.2b) to 7.11.2k) for all operational uplink and downlink bands.
- m) Set the spectrum analyzer zero-span sweep time for longer than 60 seconds, then measure the restart time for each operational uplink and downlink band.
- n) Replace the normal-operating mode EUT with the EUT that supports an anti-oscillation test mode.
- o) Set the spectrum analyzer zero-span time for a minimum of 120 seconds, and a single sweep.
- Manually trigger the spectrum analyzer zero-span sweep, and manually force the booster into oscillation as described in 7.11.2i).
- q) When the sweep is complete, place cursors between the first two oscillation detections, and save the Test Plots for inclusion in the test report. The time between restarts must match the manufacturer's timing for the test mode, and there shall be no more than 5 restarts.
- r) Repeat 7.11.2m) to 7.11.2q) for all operational uplink and downlink bands.

Test procedure for measuring oscillation mitigation or shutdown

- a) Connect the normal-operating mode EUT to the test equipment as shown in Figure 8.
- b) Set the spectrum analyzer center frequency to the center of band under test, and use the following settings:
- 1) RBW=30 kHz, VBW \geq 3 × RBW,
- 2) power averaging (rms) detector,
- 3) trace averages ≥ 100,
- 4) span ≥ 120% of operational band under test

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Report No.: TCT230601E002 5) number of sweep points ≥ 2 × Span/RBW. c) Configure the signal generator for AWGN operation with a 99% OBW of 4.1 MHz, tuned to the frequency of 2.5 MHz above the lower edge or below the upper edge of the operating band under test. Adjust the RF output level of the signal generator such that the measured power level of the AWGN signal at the output port of the booster is 30 dB less than the maximum power of the booster for the band under test. Affirm that the input signal is not obstructing the measurement of the strongest oscillation peak in the band, and is not included within the span in the measurement. 1) Boosters with operating spectrum passbands of 10 MHz or less may use a CW signal source at the band edge rather than AWGN. 2) For device passbands greater than 10 MHz, standard CMRS signal sources (i.e., CDMA, W-CDMA, LTE) may be used instead of AWGN at the band edge. d) Set the variable attenuator to a high attenuation setting such that the booster will operate at maximum gain when powered on. Reset the the EUT (e.g., cycle ac/dc power). Allow the EUT to complete its boot-up process, to reach full operational gain, and to stabilize its operation. e) Set the variable attenuator such that the insertion loss for the center of the band under test (isolation) between the booster donor port and server port is 5 dB greater than the maximum gain, as recorded in the maximum gain test procedure (see 7.3), for the band under test. f) Verify the EUT shuts down, i.e., to mitigate the oscillations. If the booster does not shut down, measure and verify the peak oscillation level as follows. 1) Allow the spectrum analyzer trace to stabilize. 2) Place the marker at the highest oscillation level occurring within the span, and record its output level and frequency. 3) Set the spectrum analyzer center frequency to the frequency with the highest oscillation signal level, and reduce the span such that the upper and lower adjacent oscillation peaks are within the 4) Use the Minimum Search Marker function to find the lowest output level that is within the span, and within the operational band under test, and record its output level and frequency. 5) Affirm that the peak oscillation level measured in 7.11.3f2), does not exceed by 12.0 dB the minimal output level measured in 7.11.3f)4). Record the measurement results of 7.11.3f2) and 7.11.3f4) in tabular format for inclusion in the test report. 6) The procedure of 7.11.3f1) to 7.11.3.f5) allows the spectrum analyzer trace to stabilize, and verification of shutdown or oscillation level measurement must occur within 300 seconds.14 g) Decrease the variable attenuator in 1 dB steps, and repeat step 7.11.3f) for each 1 dB step. Continue testing to the level when the insertion loss for the center of band under test (isolation) between the booster donor port and server port is 5 dB lower

Test results:

PASS

downlink bands.

than the maximum gain (see 7.3).

h) Repeat 7.11.3a) to 7.11.3g) for all operational uplink and



5.10.2. Test Instruments

Equipment	Manufacturer	Model	S/N	Calibration Date	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY491 00619	Jul. 05, 2022	Jul. 04, 2023
Attenuation	AF115A-09-34	JFW	907763	/	1
RF Combiner	SUNVNDN	SUD-CS0800	162300 09	/	(E) 1
AN03468	Band Pass Filter	4CS10- 781.5/E12.2- O/O	/	(8)	1 6
AN03469	Band Pass Filter	4CS10- 751.5/E12-O/ O	(3)	/	(3)
AN02475	1 dB step Attenuator	8494B	/	/	1
AN03429	10dB step Attenuator	8496B	/		1 6
ANC00082	RF Coupler	722-10-1.500V	/	/	/





5.10.3. Test Data

Report N	o.: TCT2	2306011	E002

Test results of detection time						
Operatio	n Bands	Detection Time(s)	Limit(s)	Result		
Linlinia	Band 25	0.030	0.300	PASS		
Uplink	CDMA	0.020	0.300	PASS		
Downlink	Band 25	0.025	1.000	PASS		
	CDMA	0.010	1.000	PASS		

Test results of detection time								
Operation Bands		Restarting Time(s)	Limit(s)	Restarting Counts	Limit	Result		
Linkale	Band 25	72.0	60	3	5	PASS		
Uplink	CDMA	70.4	60	2	5	PASS		
Downlink	Band 25	70.4	60	2	5	PASS		
	CDMA	77.6	60	2	5	PASS		

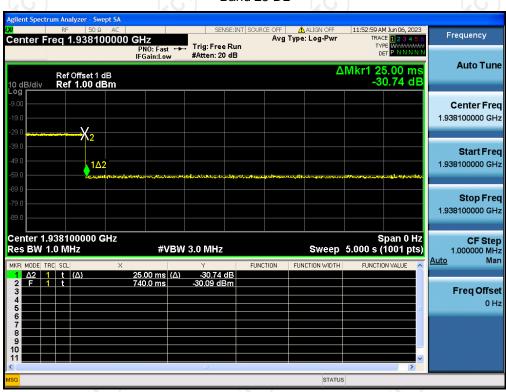




Test Test Plots of detection time Band 25 UL

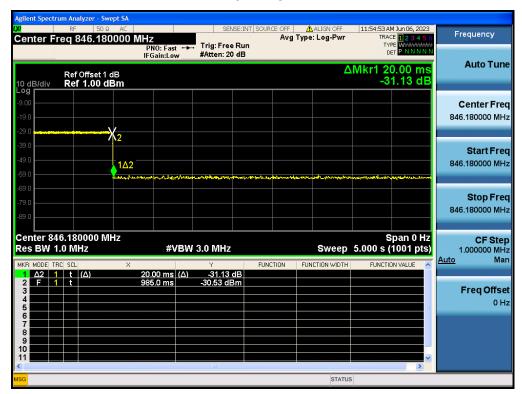


Band 25 DL

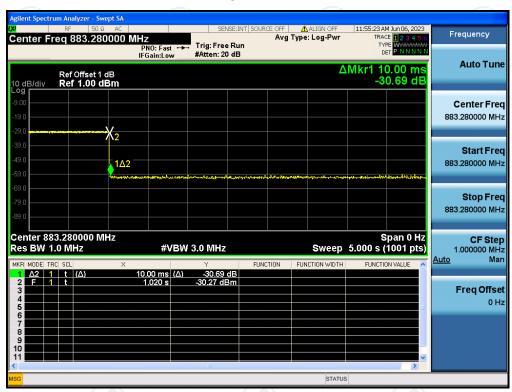




CDMA UL

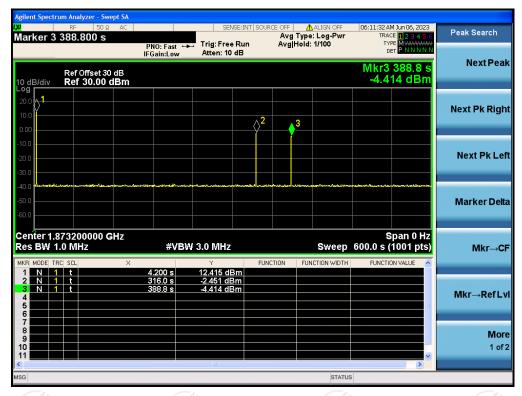


CDMA DL

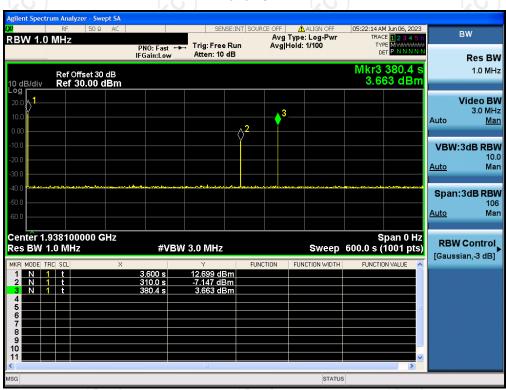




Test Test Plots of restarting time Band 25 UL



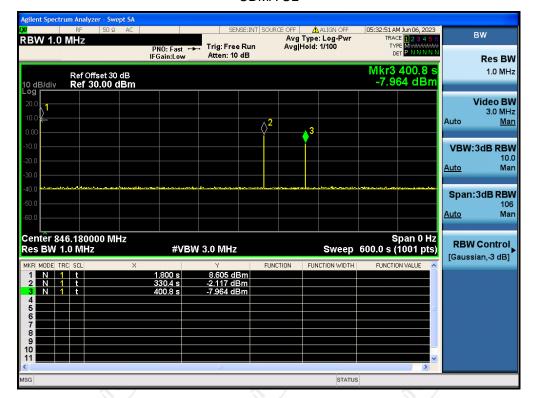
Band 25 DL



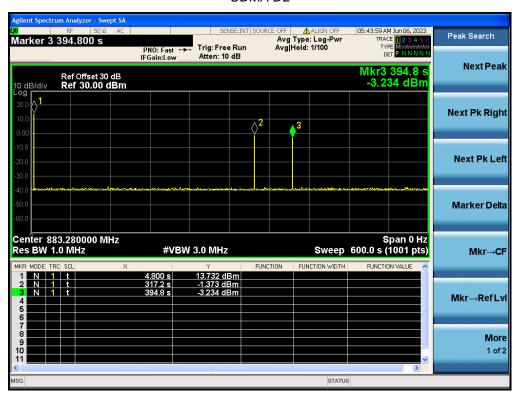


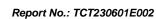
CDMA UL





CDMA DL



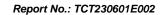




Test results of Mitigation or Shutdown:

Band 25	Uplink(1850-1915MHz)								
Signal Type	AWGN								
laslation	Peak Os	scillations	Minimal Level		Difference	l imais	Decult		
Isolation	Freq.	Level	Freq.	Level	Difference	Limit	Result		
dB	MHz	dBm	MHz	dBm	dB	dB	PASS		
+5	1884.5	-58.35	1901.32	-67.25	8.90	<12	PASS		
+4	1884.5	-59.31	1901.32	-68.41	9.10	<12	PASS		
+3	1884.5	-60.23	1901.32	-69.38	9.15	<12	PASS		
+2	1884.5	-61.35	1901.32	-70.21	8.86	<12	PASS		
+1	1884.5	-62.18	1901.32	-71.38	9.20	<12	PASS		
+0	1884.5	-63.28	1901.32	-72.14	8.86	<12	PASS		
-1	1884.5	-64.27	1901.32	-72.56	8.29	<12	PASS		
-2	1884.5	-65.01	1901.32	-73.01	8.00	<12	PASS		
-3				EUT Shutdo	own				

Band 25	Downlink	Downlink(1930-1995MHz)								
Signal Type	AWGN									
Isolation	Peak Os	cillations	Minimal Level		Difference	Limit	Decult			
isolation	Freq.	Level	Freq.	Level	Difference	Limit	Result			
dB	MHz	dBm	MHz	dBm	dB	dB	PASS			
+5	1939.78	-58.67	1948.61	-66.35	7.68	<12	PASS			
+4	1939.78	-59.15	1948.61	-67.03	7.88	<12	PASS			
+3	1939.78	-60.17	1948.61	-68.07	7.90	<12	PASS			
+2	1939.78	-60.97	1948.61	-69.42	8.45	<12	PASS			
+1	1939.78	-61.24	1948.61	-70.64	9.40	<12	PASS			
+0	1939.78	-62.05	1948.61	-71.35	9.30	<12	PASS			
-1	1939.78	-63.45	1948.61	-71.72	8.27	<12	PASS			
-2	(cc		(.0	EUT Shutdo	own					





CDMA Uplink(824-849MHz)										
Signal Type	AWGN									
la alatia a	Peak Os	scillations	Minimal Level		Difference	1 : :-	Danult			
Isolation	Freq.	Level	Freq.	Level	Difference	Limit	Result			
dB	MHz	dBm	MHz	dBm	dB	dB	PASS			
+5	826.54	-59.36	848.43	-68.32	8.96	<12	PASS			
+4	826.54	-61.58	848.43	-69.01	7.43	<12	PASS			
+3	826.54	-62.25	848.43	-70.21	7.96	<12	PASS			
+2	826.54	-63.64	848.43	-72.28	8.64	<12	PASS			
+1	826.54	-63.58	848.43	-71.86	8.28	<12	PASS			
+0	826.54	-63.26	848.43	-72.17	8.91	<12	PASS			
-1	826.54	-65.05	848.43	-72.43	7.38	<12	PASS			
-2	826.54	-65.33	848.43	-73.21	7.88	<12	PASS			
-3				EUT Shutde	own		•			

CDMA	DMA Downlink(869-894MHz)									
Signal Type	AWGN	AWGN								
loolotion	Peak Os	scillations	Minima	al Level	Difference	Limit	Result			
Isolation	Freq.	Level	Freq.	Level	Difference	Limit	Result			
dB	MHz	dBm	MHz	dBm	dB	dB	PASS			
+5	870.21	-60.35	890.32	-66.13	5.78	<12	PASS			
+4	870.21	-62.15	890.32	-67.29	5.14	<12	PASS			
+3	870.21	-62.38	890.32	-68.41	6.03	<12	PASS			
+2	870.21	-63.28	890.32	-67.29	4.01	<12	PASS			
+1	870.21	-62.13	890.32	-69.01	6.88	<12	PASS			
+0	870.21	-64.27	890.32	-69.32	5.05	<12	PASS			
-1	870.21	-64.26	890.32	-71.46	7.20	<12	PASS			
-2	870.21	-65.28	890.32	-71.53	6.25	<12	PASS			
-3				EUT Shutd	own					



TESTING CENTRE TECHNOLOGY Report No.: TCT230601E002

. Radiation Spurious Emission

6.1.1. Test Specification

Test Requirement:	FCC Part2 Section 2.1053						
Test Method:	KDB935210 D03 Signal booster Measurements v04r04						
Limit:	-13dBm; For equipment operating in the frequency bands 746-7 57 MHz and 776-787 MHz, The e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.						
Test setup:	Signal Generator EUT Spectrum Analyzer Impedance-Matched Non-Radiating Load Figure 10 – Radiated spurious emissions test and instrumentation setup						
Test Procedure:	 a) Place the EUT on an OATS or semi-anechoic chamber turntable 3 m from the receiving antenna.15 b) Connect the EUT to the test equipment as shown in Figure 10 beginning with the uplink output (donor) port. c) Set the signal generator to produce a CW signal with the frequency set to the center of the operational band under test, and the power level set at PIN as determined from measurement results per 7.2. d) Measure the radiated spurious emissions from the EUT from the lowest to the highest frequencies as specified in § 2.1057. Maximize the radiated emissions by using the procedures described in ANSI C63.4. e) Capture the peak emissions Test Plotss using a peak detector with Max-Hold for inclusion in the test report. Tabular data is acceptable in lieu of spectrum analyzer Test Plotss. f) Repeat 7.12c) through 7.12e) for all uplink and downlink operational bands. 						



Test results: PASS

6.1.2. Test Instruments

C. \\	(C. \)		((())					
Radiated Emission								
Name	Model No.	Manufacturer	Date of Cal.	Due Date				
EMI Test Receiver	ESIB7	R&S	Jul. 04, 2022	Jul. 03, 2023				
Spectrum Analyzer	FSQ40	R&S	Jul. 04, 2022	Jul. 03, 2023				
Pre-amplifier	8447D	HP	Jul. 04, 2022	Jul. 03, 2023				
Pre-amplifier	LNPA_0118G-45	SKET	Feb. 21, 2023	Feb. 20, 2024				
Pre-amplifier	LNPA_1840G-50	SKET	Feb. 21, 2023	Feb. 20, 2024				
Broadband Antenna	VULB9163	Schwarzbeck	Jul. 06, 2022	Jul. 05, 2023				
Horn Antenna	BBHA 9120D	Schwarzbeck	Jul. 06, 2022	Jul. 05, 2023				
Horn Antenna	BBHA 9170	Schwarzbeck	Feb. 25, 2023	Feb. 24, 2024				
Coaxial cable	RC-18G-N-M	SKET	Feb. 25, 2022	Feb. 24, 2024				
Coaxial cable	RC_40G-K-M	SKET	Feb. 25, 2022	Feb. 24, 2024				
Loop antenna	FMZB1519B	Schwarzbeck	Jun. 12, 2022	Jun. 11, 2023				
Signal Generator	N5182A	Agilent	Jul. 04, 2022	Jul. 03, 2023				





6.1.3. Test data

		TESTING CENTRE	TECHNOLOGY		Report No.: TCT230601E002	
_	_					

Frequency [MHz]	Antenna	Level [dBm]	Limit [dBm]	Margin [dB]
	polarity [H/V]			
(C)		Band25 Uplink	((C))	
942.0	V	-44.39		31.39
942.0	Н	-43.24		30.24
3765.0	V	-42.31	-13.00	29.31
3765.0	H	-41.03		28.03
-	-	-	-	-
(č.		Band25 Downlink	(6)	
981.3	V	-51.05		38.05
981.3	Н	-52.63		39.63
3925.0	V	-51.02	-13.00	38.02
3925.0	(P)	-52.35		39.35
-	-	-	-	-

Frequency [MHz]	Antenna	Level [dBm]	Limit [dBm]	Margin [dB]
	polarity [H/V]			
		CDMA Uplink		
837	V	-45.63		32.63
837	Н	-45.69		32.69
1674	V	-44.28	-13.00	31.28
1674	Н	-43.12		30.12
-	-	-	-	-
		CDMA Downlink		
881.5	(V)	-52.69		39.69
881.5	Н	-51.86		38.86
1763.0	V	-49.87	-13.00	36.87
1763.0	Н	-50.10		37.10
-	-	-	<u>-</u>	-



Appendix A: Photographs of Test Setup

Product: Cell Phone Signal Booster Model: GB.3.CPA.4

Radiated Emission test



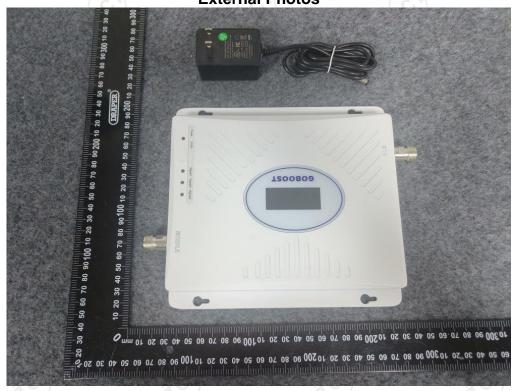
Below 1GHz



Above 1GHz



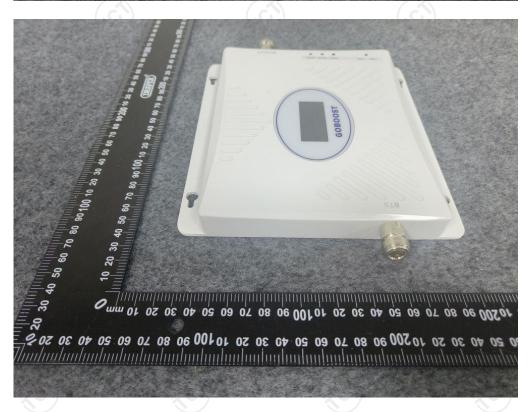
Appendix B: Photographs of EUT Product: Cell Phone Signal Booster Model: GB.3.CPA.4 External Photos





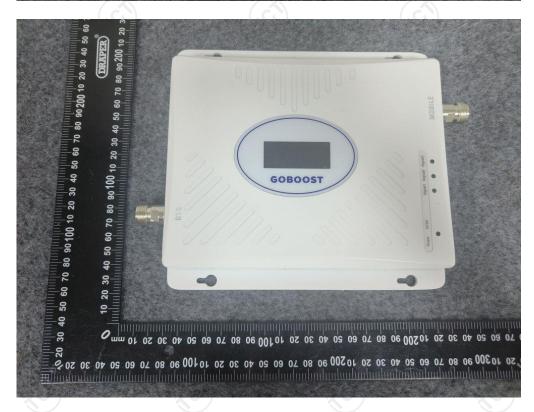
TCT通测检测
TESTING CENTRE TECHNOLOGY





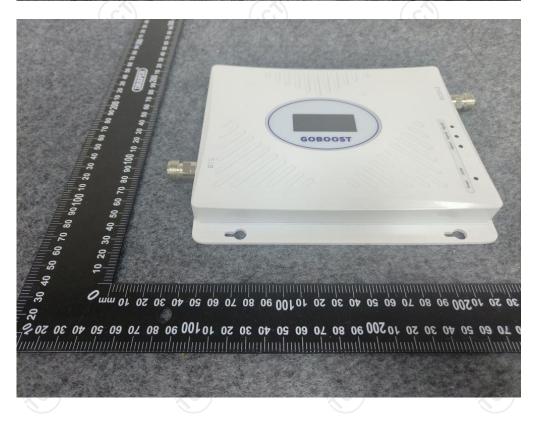
TCT通测检测





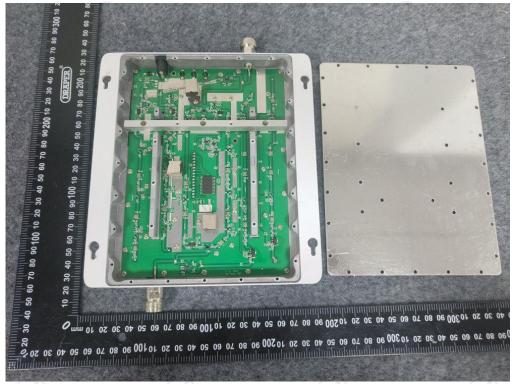
TCT通测检测

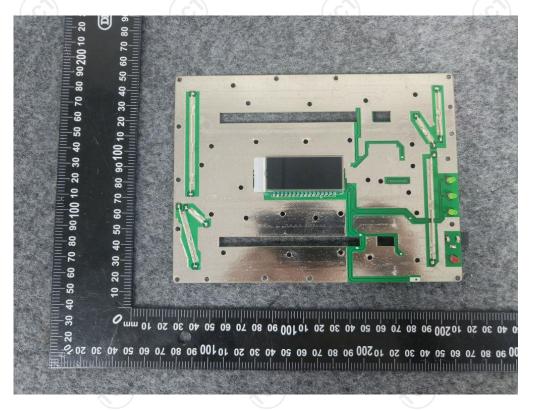




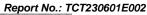


Product: Cell Phone Signal Booster Model: GB.3.CPA.4 Internal Photos

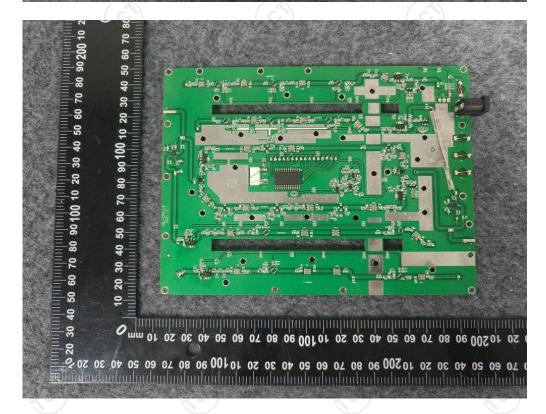




TCT通测检测 testing centre technology







*****END OF REPORT****