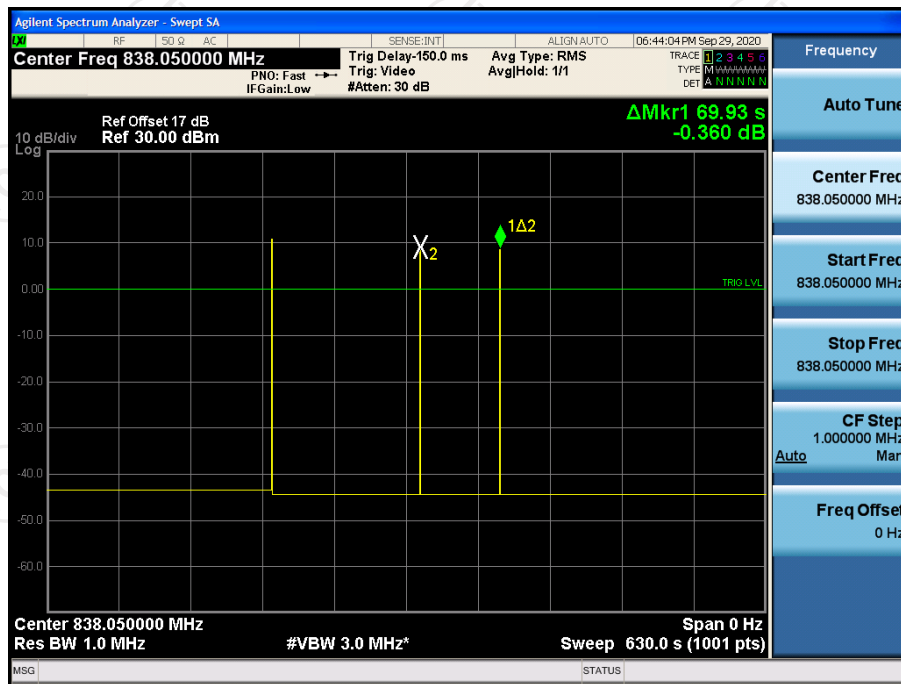
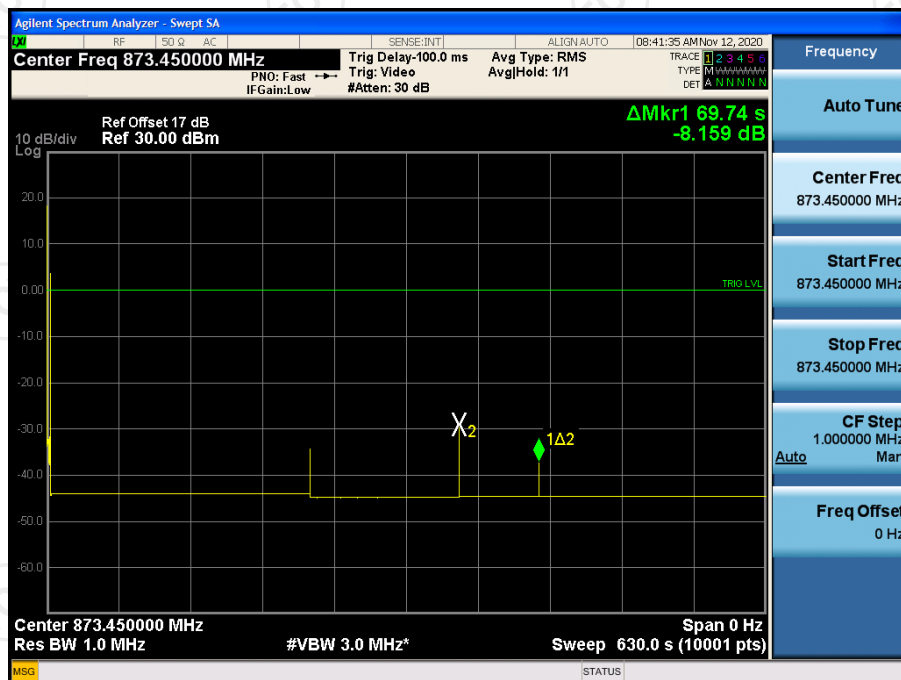


Test Plots of restarting time

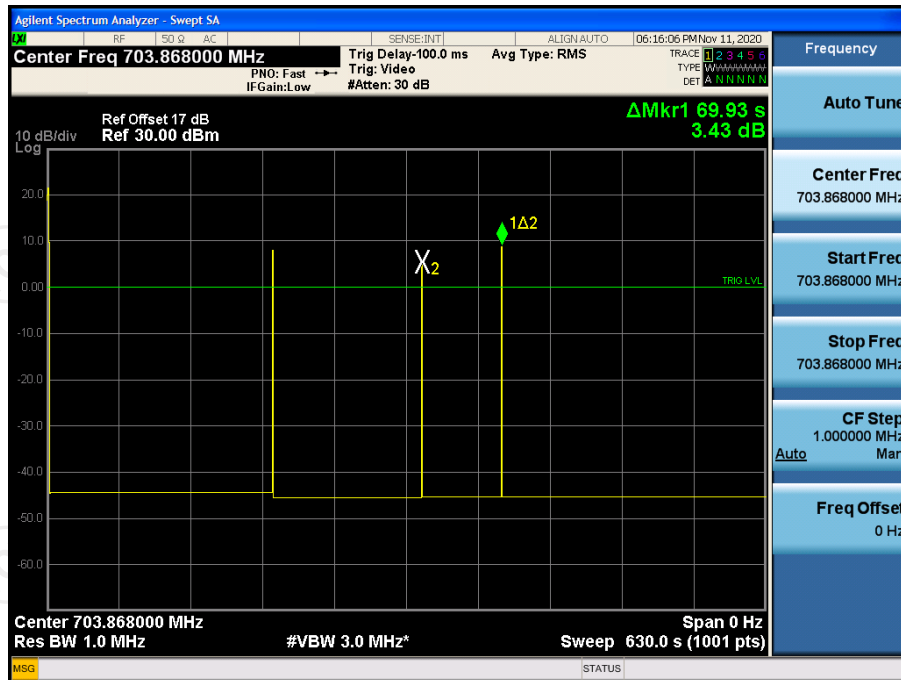
Band5 UL



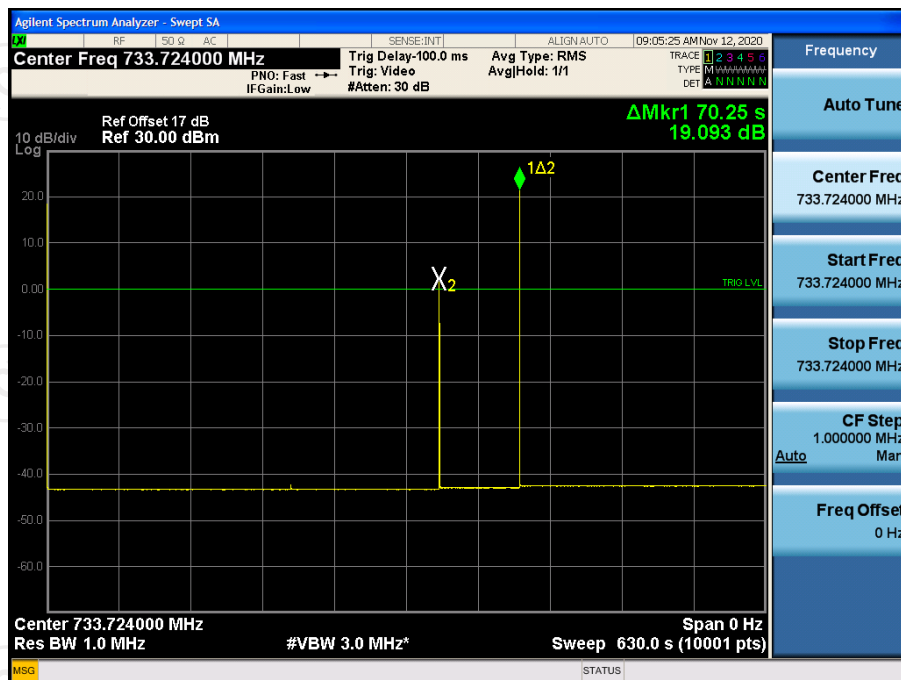
Band5 DL



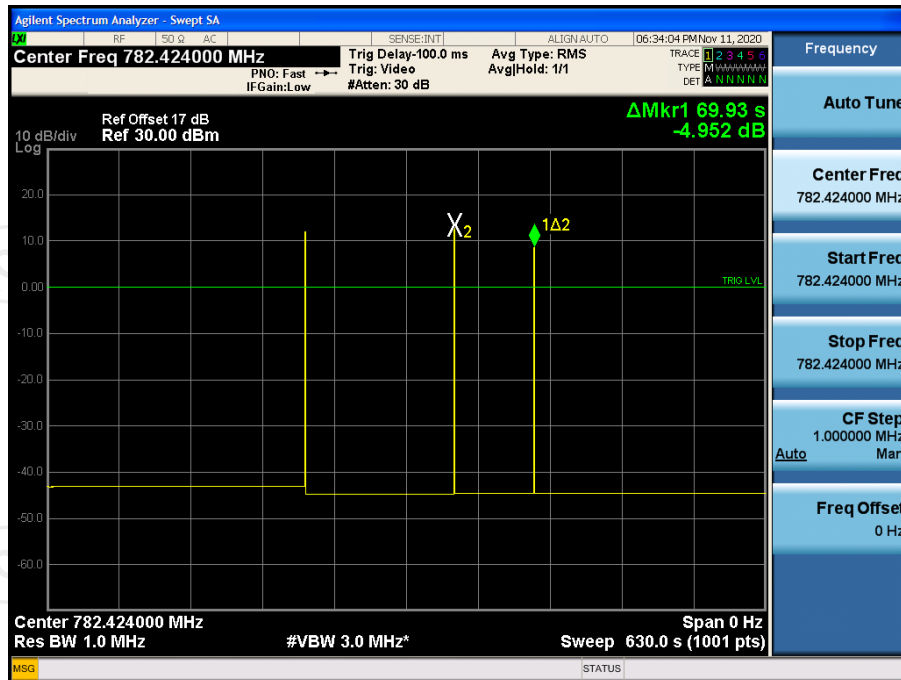
Band12 UL



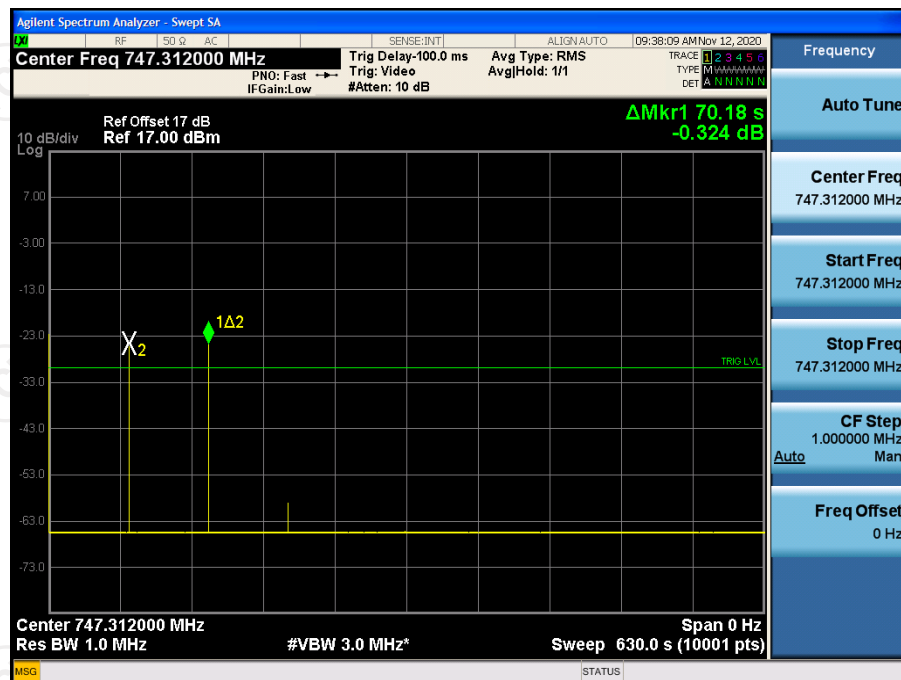
Band12 DL



Band13 UL



Band13 DL



Test results of Mitigation or Shutdown

Band5	Uplink(824-849MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	838.00	-41.67	840.20	-53.72	12.05	<12	235	300	Pass
+4	838.00	-39.25	840.20	-53.99	14.74	<12	241	300	Pass
+3	EUT Shutdown								

Band5	Downlink(869-894MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	873.50	-39.47	875.50	-50.37	10.90	<12	230	300	Pass
+4	873.50	-37.06	875.50	-50.75	13.69	<12	234	300	Pass
+3	873.50	-30.89	875.50	-50.01	19.12	<12	238	300	Pass
+2	EUT Shutdown								

Band12	Uplink(698-716MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	713.05	-30.01	710.82	-52.35	22.34	<12	245	300	Pass
+4	713.05	-27.47	710.82	-53.09	25.62	<12	236	300	Pass
+3	EUT Shutdown								

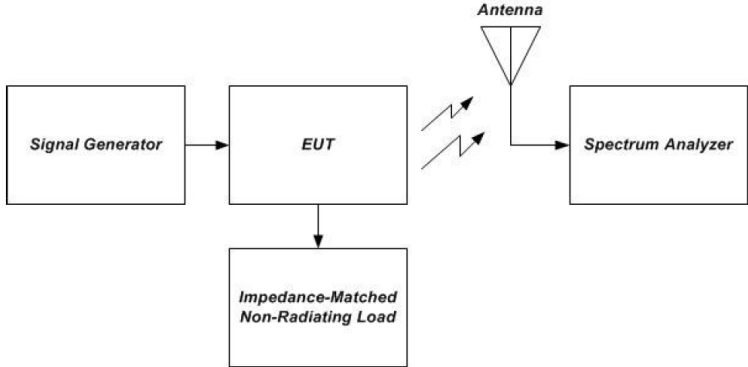
Band12	Downlink(728-746MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	733.62	-28.87	735.38	-49.96	21.09	<12	231	300	Pass
+4	733.62	-25.44	735.38	-49.59	24.15	<12	242	300	Pass
+3	733.62	-23.05	735.38	-50.02	26.97	<12	235	300	Pass
+2	733.62	-18.50	735.38	-49.34	30.84	<12	239	300	Pass
+1	EUT Shutdown								

Band13	Uplink(776-787MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	782.25	-43.30	784.19	-51.02	7.72	<12	240	300	Pass
+4	782.25	-41.85	784.19	-51.19	9.34	<12	247	300	Pass
+3	EUT Shutdown								

Band13	Downlink(746-757MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	749.61	-40.35	751.59	-52.35	12.00	<12	231	300	Pass
+4	749.61	-36.73	751.59	-52.29	15.56	<12	245	300	Pass
+3	749.61	-32.74	751.59	-52.71	19.97	<12	230	300	Pass
+2	749.61	-29.83	751.59	-51.98	22.15	<12	238	300	Pass
+1	749.61	-25.76	751.59	-52.04	26.28	<12	235	300	Pass
0	EUT Shutdown								

7. Radiation Spurious Emission

7.1.1. Test Specification

Test Requirement:	FCC Part2 Section 2.1053
Test Method:	KDB935210 D03 Signal booster Measurements v04r04
Limit:	-13dBm
Test setup:	 Figure 10 – Radiated spurious emissions test and instrumentation setup
Test Procedure:	- Place the EUT on an OATS or semi-anechoic chamber turntable 3 m from the receiving antenna. - Connect the EUT to the test equipment as shown in Figure 10 beginning with the uplink output (donor) port. - 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. - 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. - 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. - Repeat 7.12c) through 7.12e) for all uplink and downlink operational bands.
Test results:	PASS

7.1.2. Test Instruments

Radiated Emission				
Name	Model No.	Manufacturer	Date of Cal.	Due Date
EMI Test Receiver	ESIB7	R&S	Jul. 28, 2020	Jul. 27, 2021
Spectrum Analyzer	FSQ40	R&S	Sep. 12, 2020	Sep. 11, 2021
Amplifier	8447D	HP	Sep. 03, 2020	Sep. 02, 2021
Amplifier	EM30265	EM Electronics Corporation CO.,LTD	Sep. 03, 2020	Sep. 02, 2021
Broadband Antenna	VULB9163	Schwarzbeck	Sep. 05, 2020	Sep. 04, 2022
Horn Antenna	BBHA 9120D	Schwarzbeck	Sep. 05, 2020	Sep. 04, 2022
Line-4	RE-high-04	TCT	Sep. 03, 2020	Sep. 02, 2021
Line-8	RE-01	TCT	Jul. 28, 2020	Jul. 27, 2021
Loop antenna	ZN30900A	ZHINAN	Sep. 06, 2020	Sep. 05, 2022
Signal Generator	N5182A	Agilent	Sep. 12, 2020	Sep. 11, 2021

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

7.1.3. Test data

Frequency [MHz]	Antenna polarity [H/V]	Reading Level	Substitution factor	Measurement Level [dBm]	Limit [dBm]	Margin [dB]
Band5 Uplink						
160.54	H	-41.68	-8.05	-49.73	-13.00	-36.73
556.30	V	-55.92	5.91	-50.01		-37.01
1660.33	H	-49.15	4.62	-44.53		-31.53
1660.33	V	-47.39	6.04	-41.35		-28.35
Band5 Downlink						
168.20	H	-44.41	-6.95	-51.36	-13.00	-38.36
552.63	V	-55.58	5.97	-49.61		-36.61
1750.47	H	-53.13	8.39	-44.74		-31.74
1750.47	V	-54.70	9.01	-45.69		-32.69

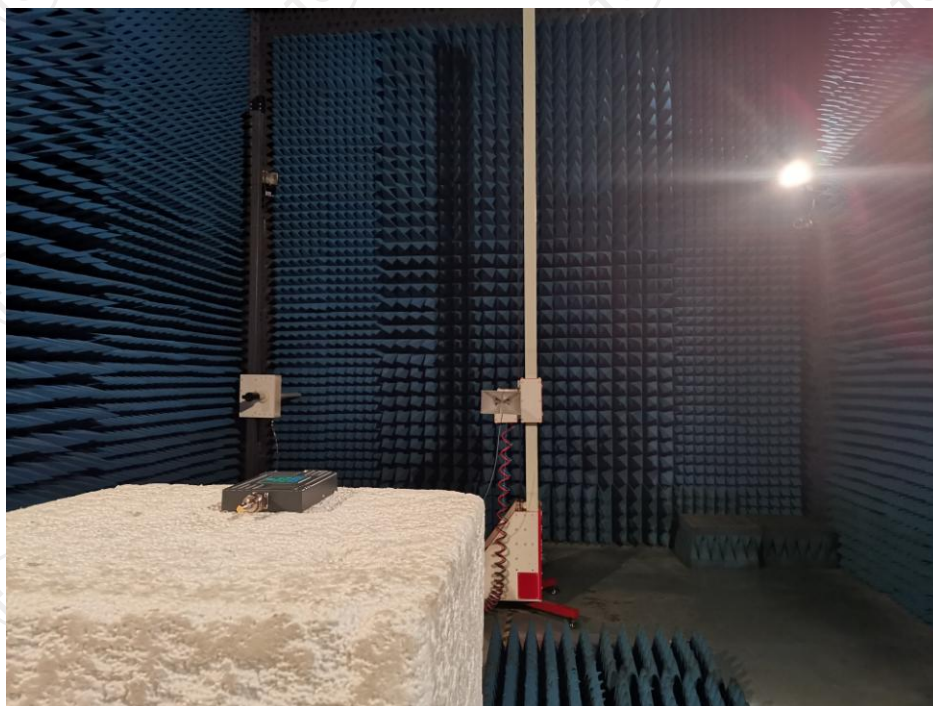
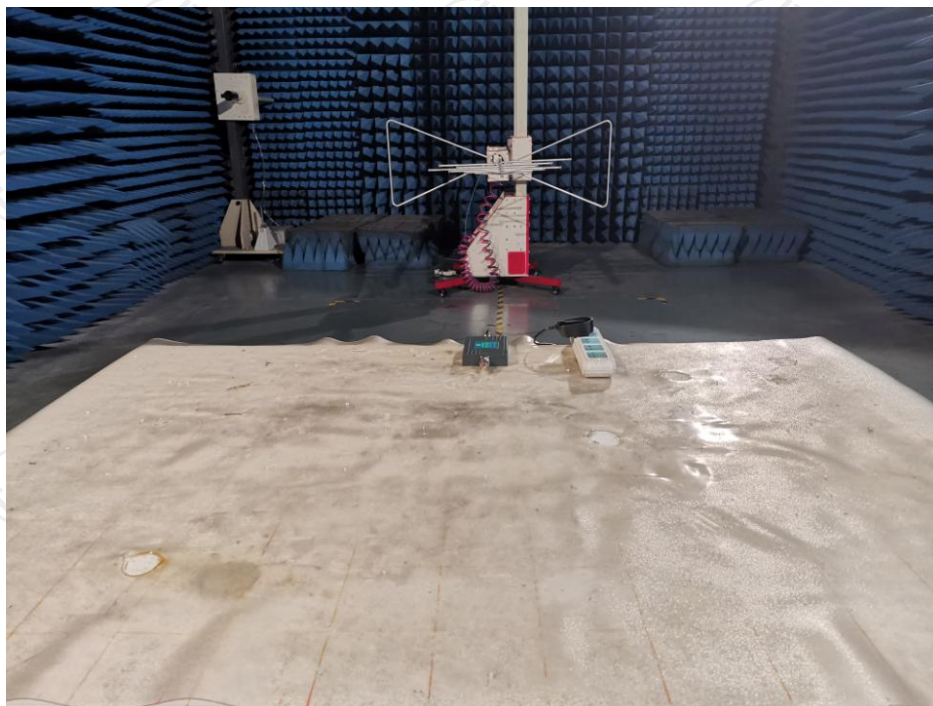
Frequency [MHz]	Antenna polarity [H/V]	Reading Level	Substitution factor	Measurement Level [dBm]	Limit [dBm]	Margin [dB]
Band12 Uplink						
170.23	H	-42.43	-8.84	-51.27	-13.00	-38.27
553.61	V	-54.98	5.91	-49.07		-36.07
1400.00	H	-42.82	-0.37	-43.19		-30.19
1400.00	V	-44.01	1.25	-42.76		-29.76
Band12 Downlink						
173.26	H	-44.39	-7.01	-51.40	-13.00	-38.40
555.49	V	-54.40	5.28	-49.12		-36.12
1480.36	H	-47.83	-0.19	-48.02		-35.02
1480.36	V	-46.21	1.38	-44.83		-31.83

Frequency [MHz]	Antenna polarity [H/V]	Reading Level	Substitution factor	Measurement Level [dBm]	Limit [dBm]	Margin [dB]
Band13 Uplink						
382.12	H	-42.47	-8.15	-50.62	-13.00	-37.62
382.12	V	-56.35	5.83	-50.52		-37.52
1673.00	H	-42.95	-0.76	-43.71		-30.71
1673.00	V	-44.83	2.76	-42.07		-29.07
Band13 Downlink						
388.26	H	-43.17	-6.82	-49.99	-13.00	-36.99
388.26	V	-46.82	5.68	-41.14		-28.14
1563.00	H	-44.59	-0.72	-45.31		-32.31
1563.00	V	-46.43	1.20	-45.23		-32.23

Appendix A: Photographs of Test Setup

Product: Cell Phone Signal Booster

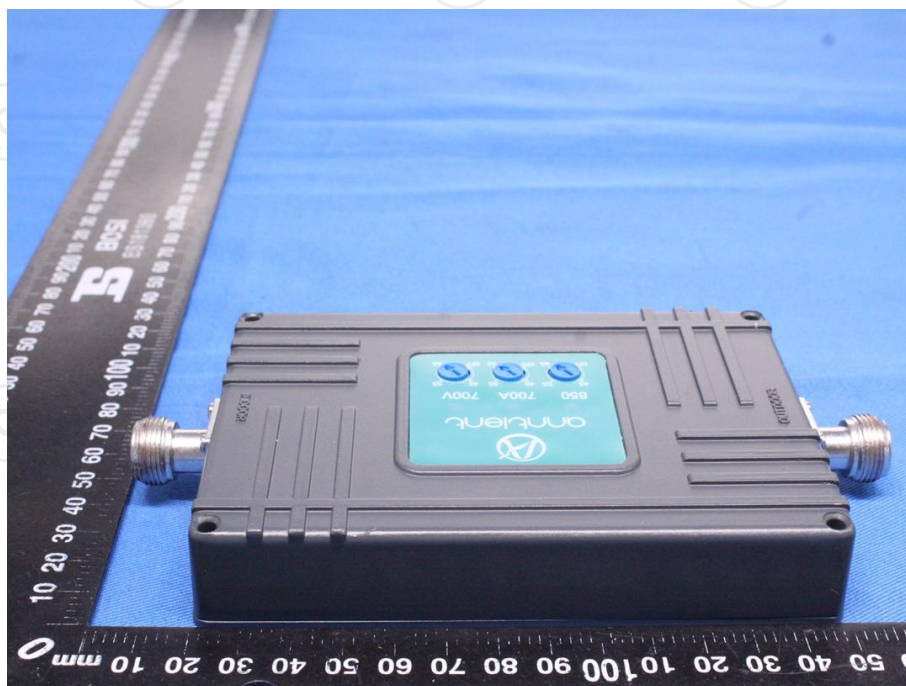
Model: AN-CL70AV Plus



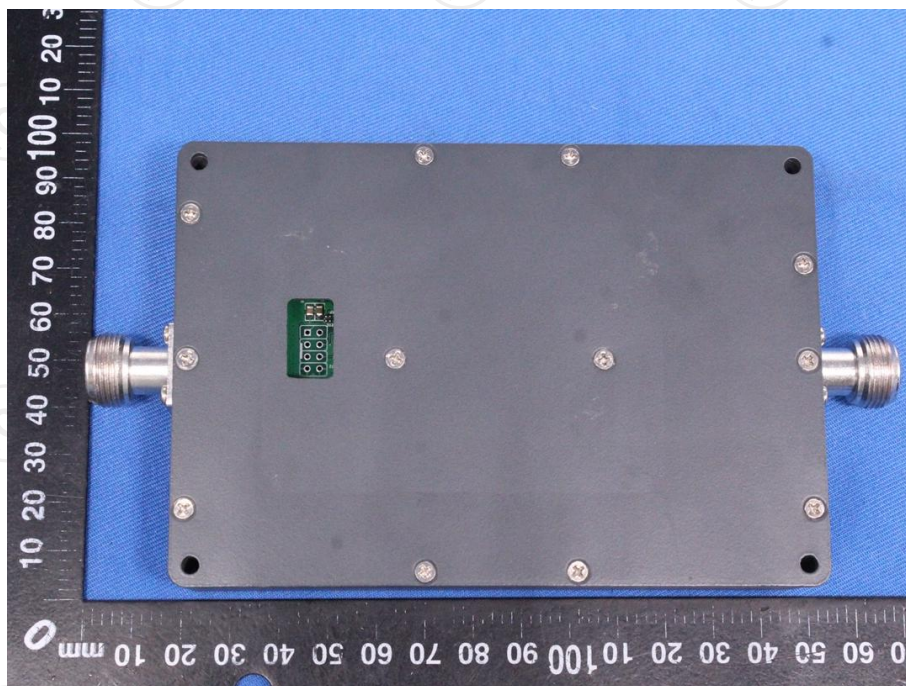


Appendix B: Photographs of EUT
Product: Cell Phone Signal Booster
Model: AN-CL70AV Plus
External Photos



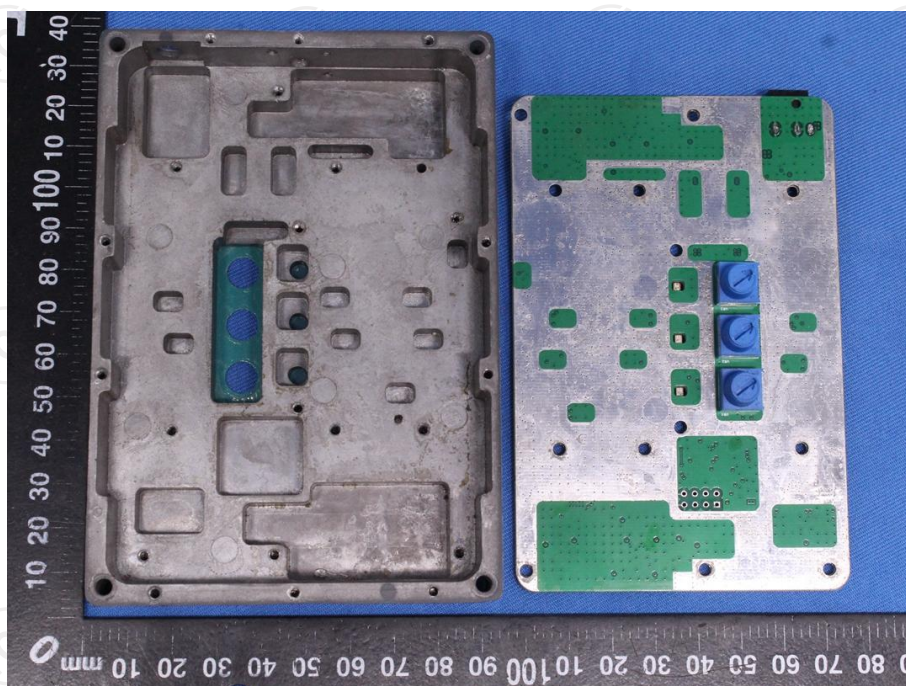
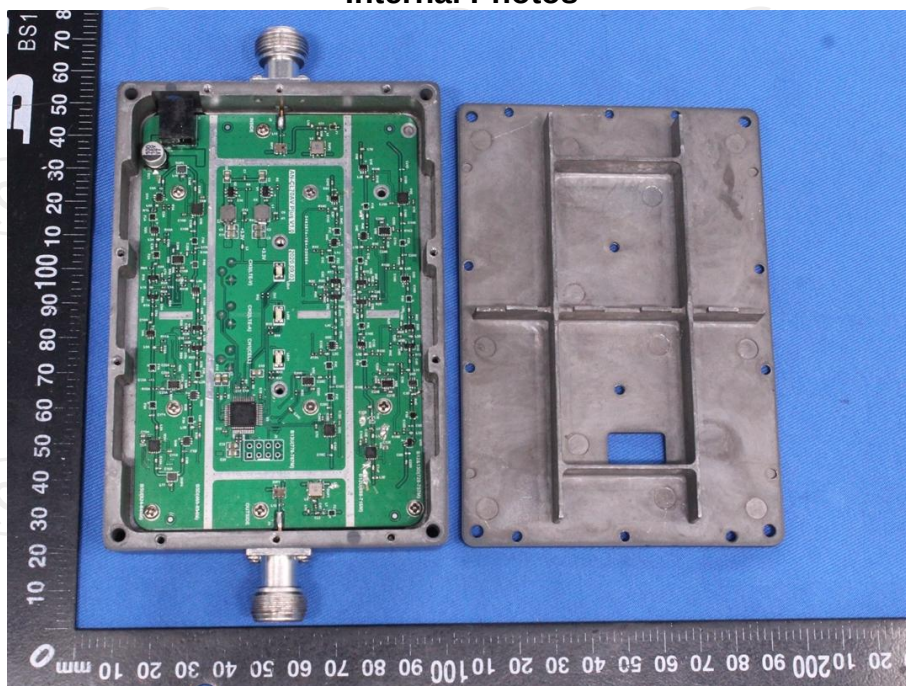


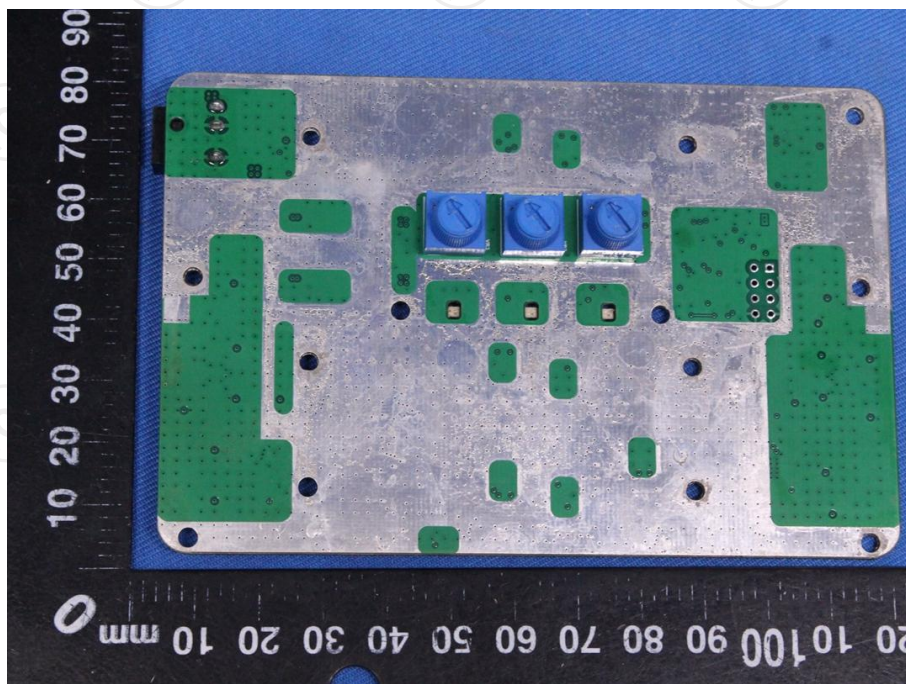
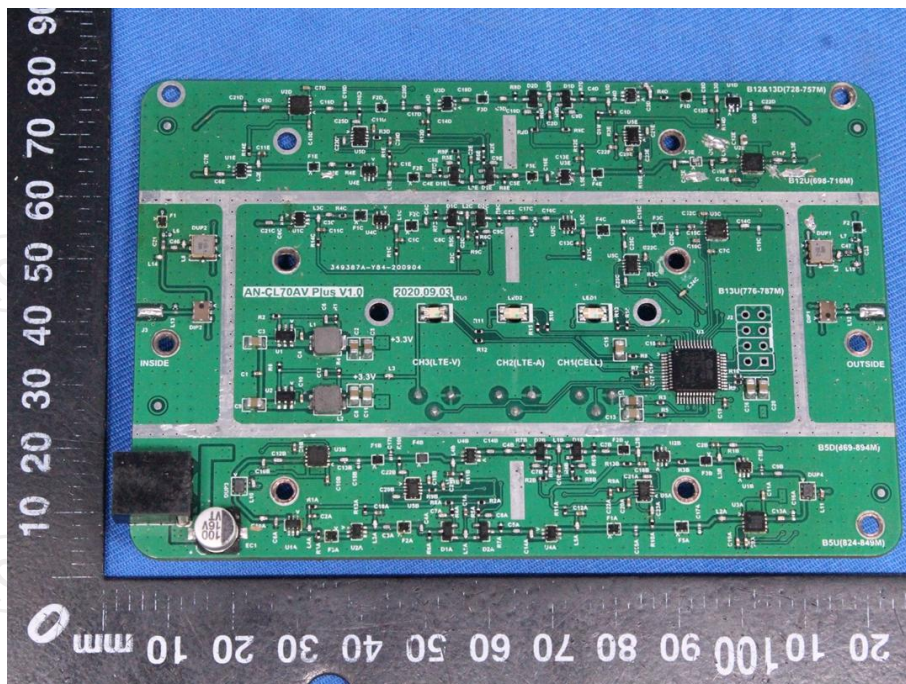


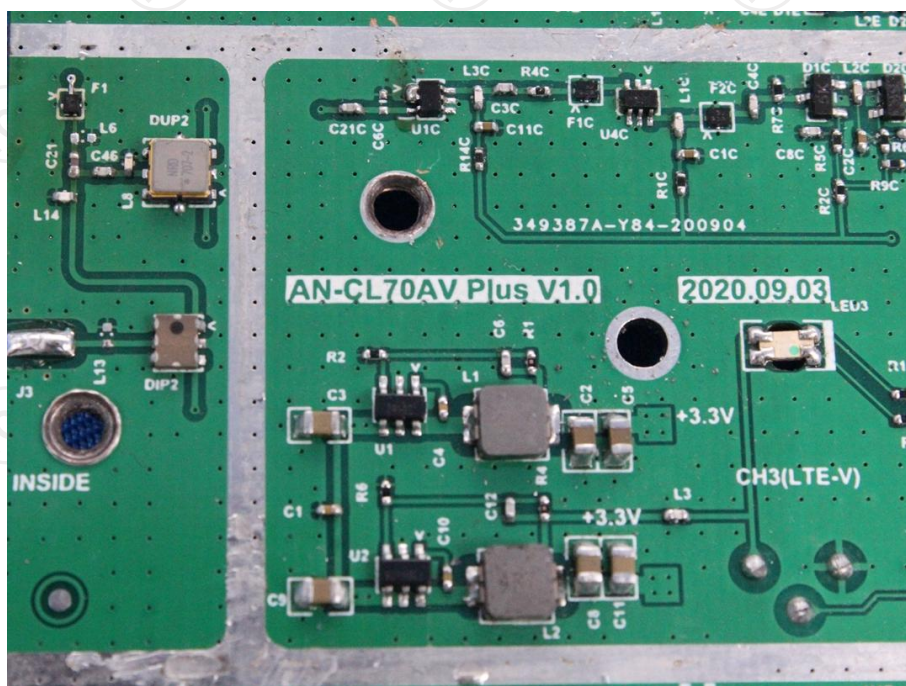
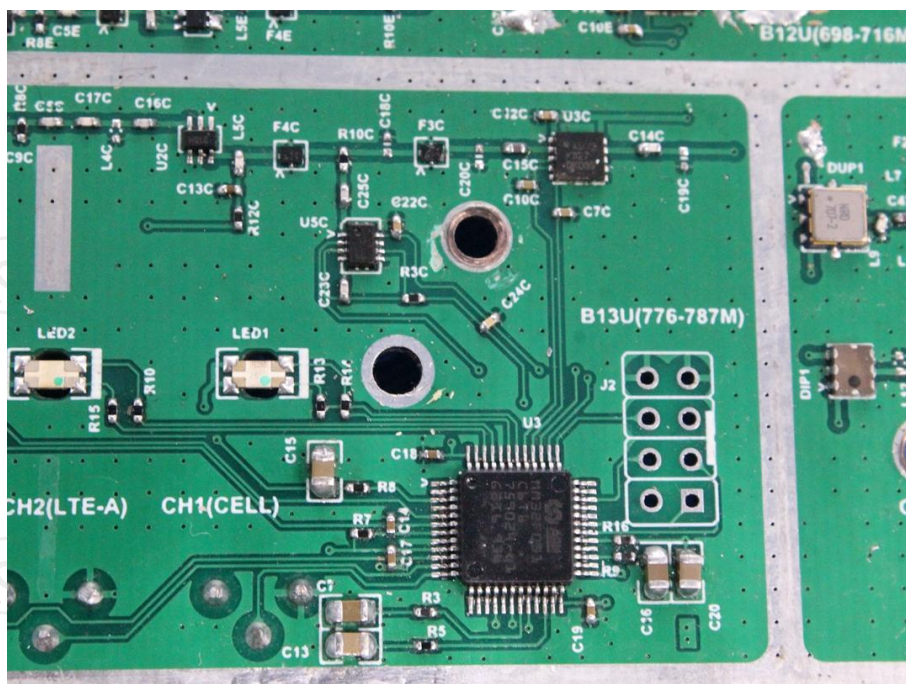


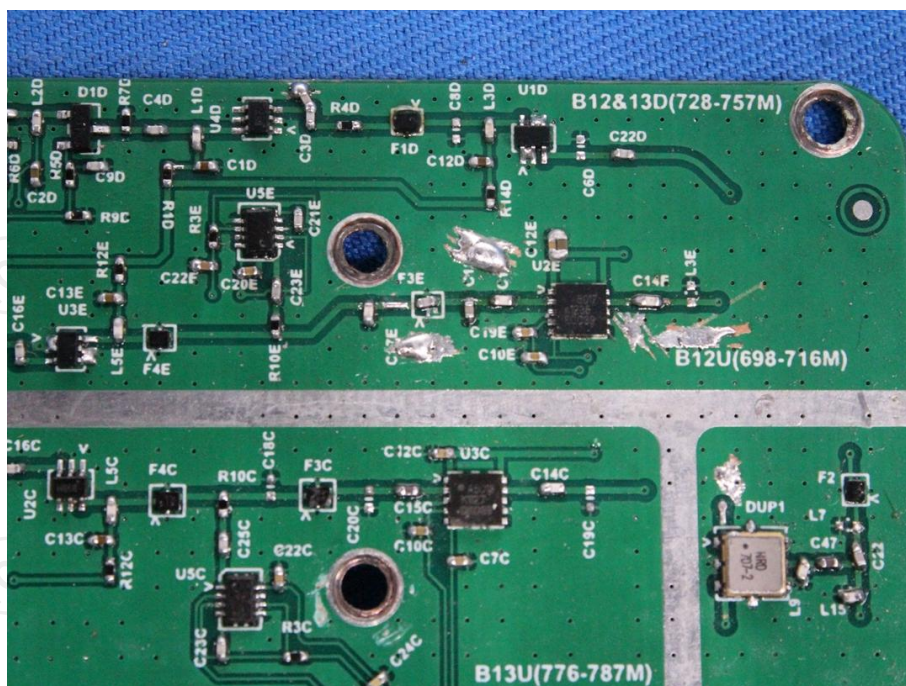


Product: Cell Phone Signal Booster
Model: AN-CL70AV Plus
Internal Photos









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