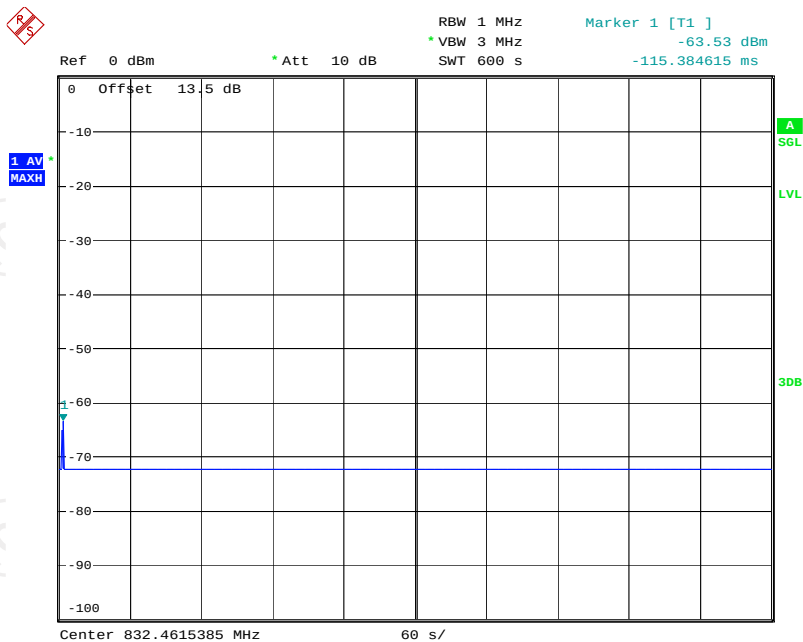
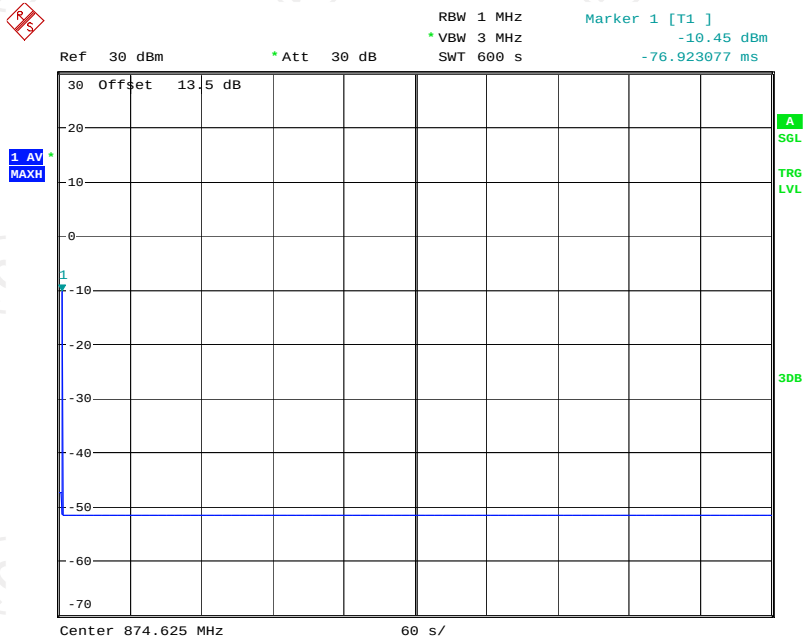


Band5 UL



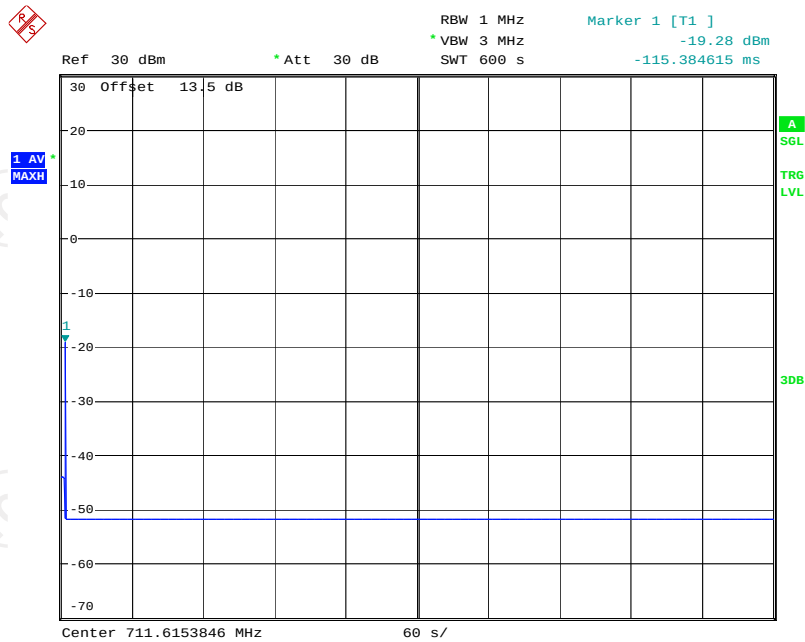
Date: 31.AUG.2018 11:57:10

Band5 DL



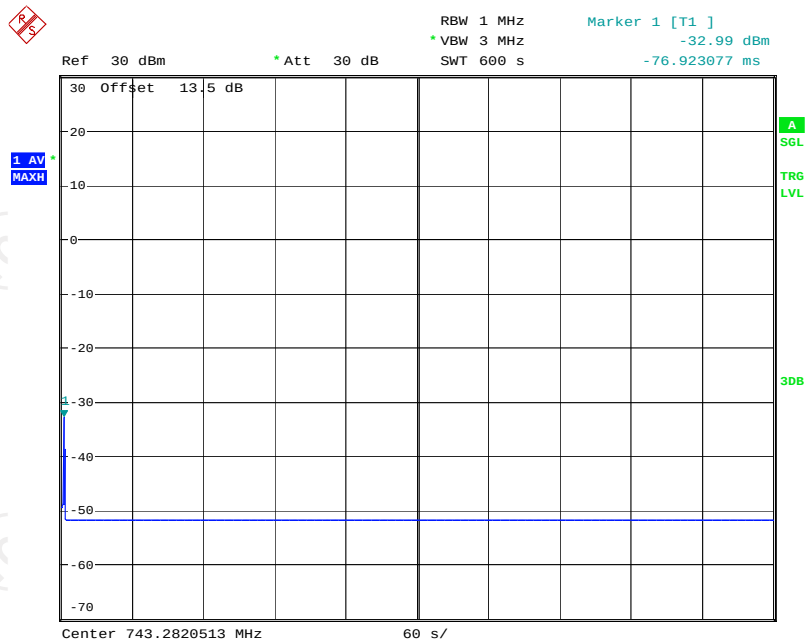
Date: 31.AUG.2018 15:25:40

Band12 UL



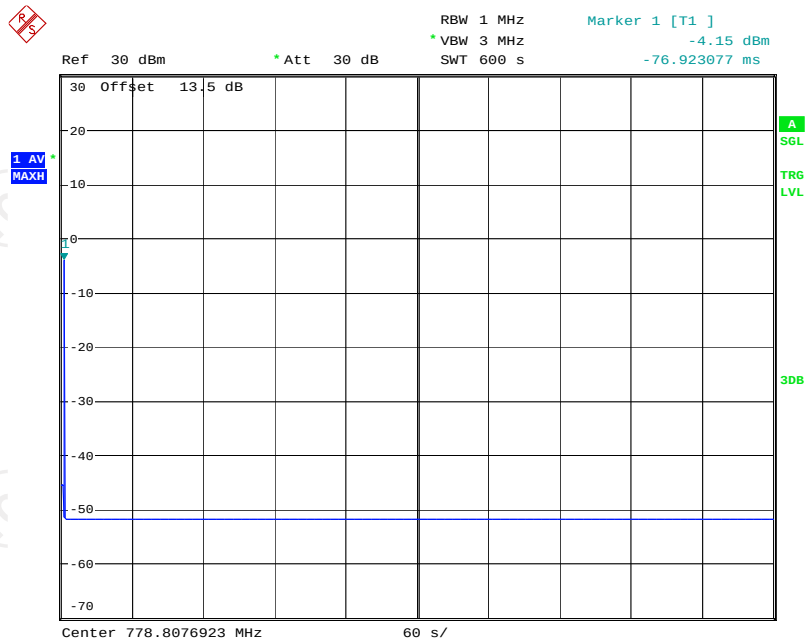
Date: 31.AUG.2018 11:28:32

Band12 DL



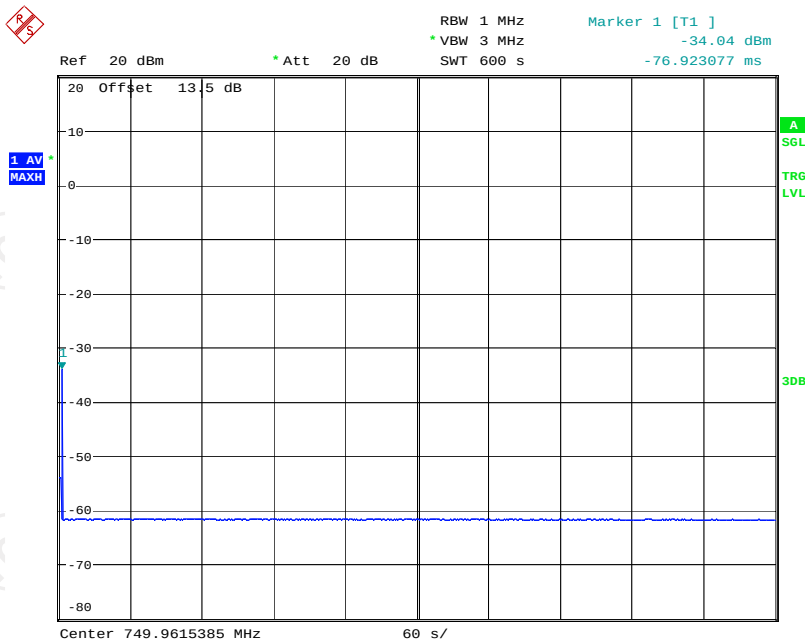
Date: 31.AUG.2018 15:48:24

Band13 UL



Date: 31.AUG.2018 14:40:28

Band13 DL



Date: 31.AUG.2018 16:45:46

Test results of Mitigation or Shutdown

Band2	Uplink(1850-1910MHz)								
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	1881.68	-55.04	1879.16	-69.54	14.50	<12	45	300	Pass
+4	1881.68	-53.43	1879.16	-69.72	16.29	<12	47	300	Pass
+3	1881.68	-51.05	1879.16	-70.19	19.14	<12	52	300	Pass
+2	1881.68	-43.72	1879.16	-70.83	27.11	<12	45	300	Pass
+1	EUT Shutdown								

Band2	Downlink(1930-1990MHz)								
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	1959.54	-51.36	1961.96	-69.71	18.35	<12	36	300	Pass
+4	1959.54	-48.35	1961.96	-70.71	24.36	<12	41	300	Pass
+3	EUT Shutdown								

Band4	Uplink(1710-1755MHz)								
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	1727.36	-53.52	1730.89	-69.75	-16.23	<12	143	300	Pass
+4	1727.36	-51.24	1730.89	-69.67	-18.43	<12	135	300	Pass
+3	1727.36	-47.89	1730.89	-70.23	-22.34	<12	128	300	Pass
+2	1727.36	-43.70	1730.89	-70.41	-26.71	<12	136	300	Pass
+1	EUT Shutdown								

Band4	Downlink(2110-2155MHz)								
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	2137.32	-52.01	2133.64	-68.46	16.45	<12	112	300	Pass
+4	2137.32	-50.24	2133.64	-69.59	19.35	<12	106	300	Pass
+3	2137.32	-47.36	2133.64	-69.5	22.14	<12	86	300	Pass
+2	EUT 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	833.51	-47.04	835.47	-69.45	22.41	<12	47	300	Pass
+4	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	875.36	-54.16	877.17	-69.45	16.51	<12	54	300	Pass
+4	875.36	-51.55	877.17	-69.92	18.37	<12	48	300	Pass
+3	875.36	-45.35	877.17	-70.50	25.15	<12	60	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	710.21	-56.45	711.32	-69.52	13.07	<12	68	300	Pass
+4	710.21	-53.82	711.32	-68.78	14.96	<12	73	300	Pass
+3	710.21	-51.00	711.32	-69.02	18.02	<12	64	300	Pass
+2	710.21	-48.17	711.32	-69.85	21.68	<12	57	300	Pass
+1	710.21	-40.59	711.32	-70.30	29.71	<12	62	300	Pass
+0	EUT Shutdown								

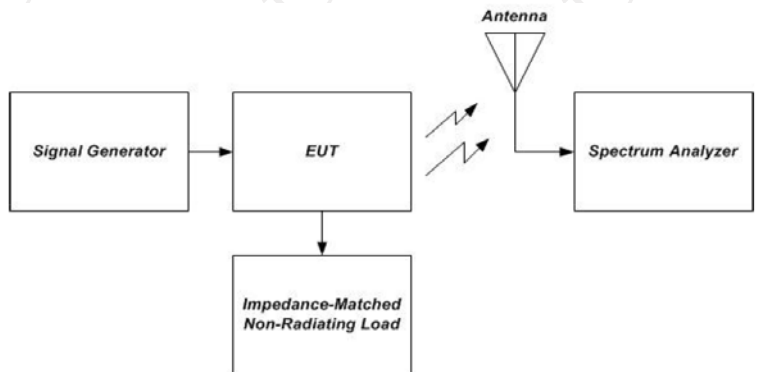
Band12	Downlink(728-746MHz)								
Signal Type	AWGN								
Isolation	Peak Oscillations		Minimal Level		Delta Value	Limit	Time to Mitigate Oscillation	Mitigation Time Limit	Result
	Freq.	Level	Freq.	Level					
dB	MHz	dBm	MHz	dBm	dB	dB	sec	sec	
+5	742.42	-53.45	741.17	-69.91	16.46	<12	76	300	Pass
+4	742.42	-49.35	741.17	-68.78	19.43	<12	59	300	Pass
+3	742.42	-46.23	741.17	-70.68	24.45	<12	63	300	Pass
+2	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	779.31	-54.72	781.04	-69.48	16.76	<12	113	300	Pass
+4	779.31	-45.43	781.04	-70.46	25.03	<12	89	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	750.24	-52.45	752.37	-69.69	17.24	<12	76	300	Pass
+4	750.24	-47.36	752.37	-69.82	22.46	<12	53	300	Pass
+3	EUT Shutdown								

7. Radiation Spurious Emission

7.1.1. Test Specification

Test Requirement:	FCC Part2 Section 2.1053
Test Method:	KDB835210 D03 Signal booster measurements v04r02
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
Test Receiver	ESIB	R&S	Sep. 28, 2017	Sep. 27, 2018
Spectrum Analyzer	R&S	FSQ40	Sep. 28, 2017	Sep. 27, 2018
Pre-amplifier	8447D	H.P.	Sep. 28, 2017	Sep. 27, 2018
BiConiLog Antenna	VULB9163	Schwarzbeck Mess- Elektronik	Sep. 28, 2017	Sep. 27, 2018
Coaxial Cable	N/A	TCT	Sep. 28, 2017	Sep. 27, 2018
Coaxial Cable	N/A	TCT	Sep. 28, 2017	Sep. 27, 2018
Coaxial Cable	N/A	TCT	Sep. 28, 2017	Sep. 27, 2018
Coaxial Cable	N/A	TCT	Sep. 28, 2017	Sep. 27, 2018
Loop antenna	ZN30900A	ZHINAN	Sep. 28, 2017	Sep. 27, 2018
Signal Generator	N5182AA	Agilent	Sep. 28, 2017	Sep. 27, 2018

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]	Level [dBm]	Limit [dBm]	Margin [dB]
Band2 Uplink				
389.98	V	-52.43	-13.00	-39.43
376.52	H	-54.36		-41.36
3760.00	V	-48.63		-35.63
3760.00	H	-45.72		-32.72
--	--	--		--
Band2 Downlink				
387.56	V	-53.67	-13.00	-40.67
376.67	H	-56.02		-43.02
3920.00	V	-51.14		-38.14
3920.00	H	-48.35		-35.35
--	--	--		--

Frequency [MHz]	Antenna polarity [H/V]	Level [dBm]	Limit [dBm]	Margin [dB]
Band4 Uplink				
388.65	V	-54.31	-13.00	-41.31
377.34	H	-56.36		-43.36
3465.00	V	-50.46		-37.46
3465.00	H	-47.31		-34.31
--	--	--		--
Band4 Downlink				
387.64	V	-53.41	-13.00	-40.41
376.07	H	-55.72		-42.72
4265.00	V	-52.41		-39.41
4265.00	H	-49.73		-36.73
--	--	--		--

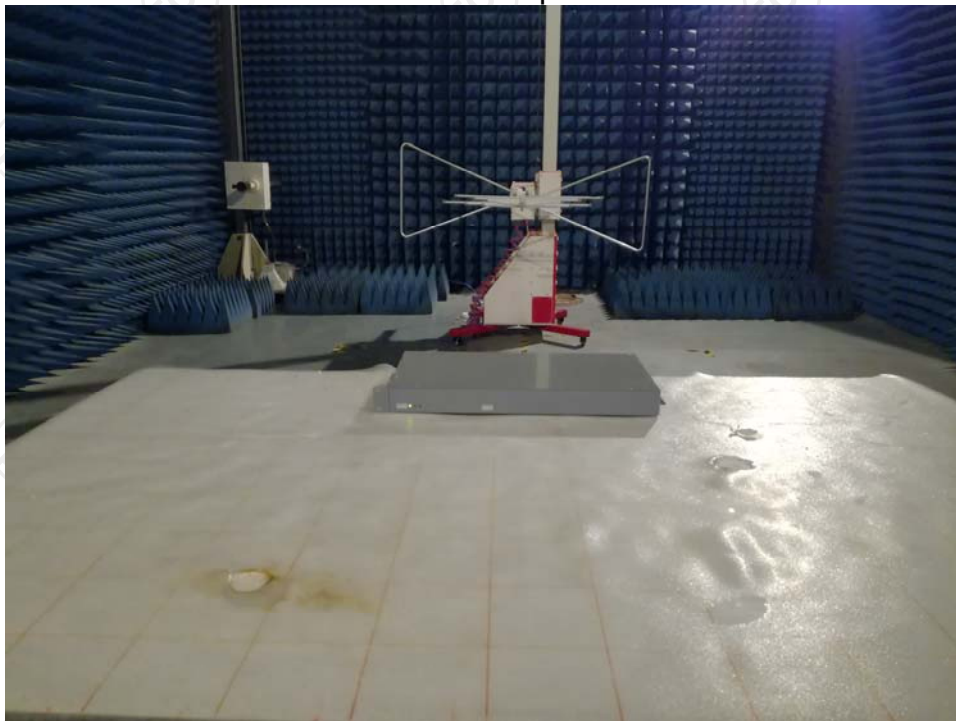
Frequency [MHz]	Antenna polarity [H/V]	Level [dBm]	Limit [dBm]	Margin [dB]
Band5 Uplink				
388.38	V	-53.47	-13.00	-40.47
375.67	H	-56.45		-43.45
1673.00	V	-48.64		-35.64
1673.00	H	-45.13		-32.13
--	--	--		--
Band5 Downlink				
387.13	V	-52.15	-13.00	-39.15
377.69	H	-55.34		-42.34
1763.00	V	-52.04		-39.04
1763.00	H	-50.39		-37.39
--	--	--		--

Frequency [MHz]	Antenna polarity [H/V]	Level [dBm]	Limit [dBm]	Margin [dB]
Band12 Uplink				
388.13	V	-51.75	-13.00	-38.75
376.37	H	-54.02		-41.02
1414.00	V	-50.78		-37.78
1414.00	H	-47.26		-34.26
--	--	--		--
Band12 Downlink				
387.56	V	-52.46	-13.00	-39.46
376.82	H	-54.07		-41.07
1474.00	V	-50.89		-37.89
1474.00	H	-53.47		-40.47
--	--	--		--

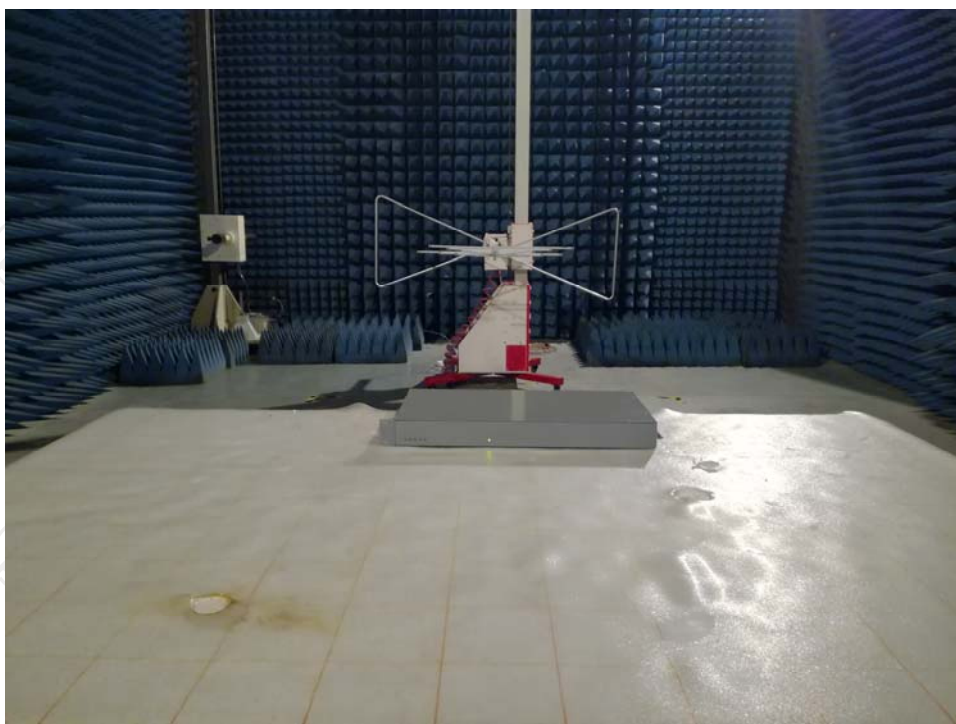
Frequency [MHz]	Antenna polarity [H/V]	Level [dBm]	Limit [dBm]	Margin [dB]
Band13 Uplink				
387.12	V	-53.14	-13.00	-40.14
375.60	H	-55.36		-42.36
1673.00	V	-49.45		-36.45
1673.00	H	-46.17		-33.17
--	--	--		--
Band13 Downlink				
388.26	V	-52.73	-13.00	-39.73
376.81	H	-54.52		-41.52
1563.00	V	-52.16		-39.16
1563.00	H	-48.47		-35.47
--	--	--		--

Appendix A: Photographs of Test Setup

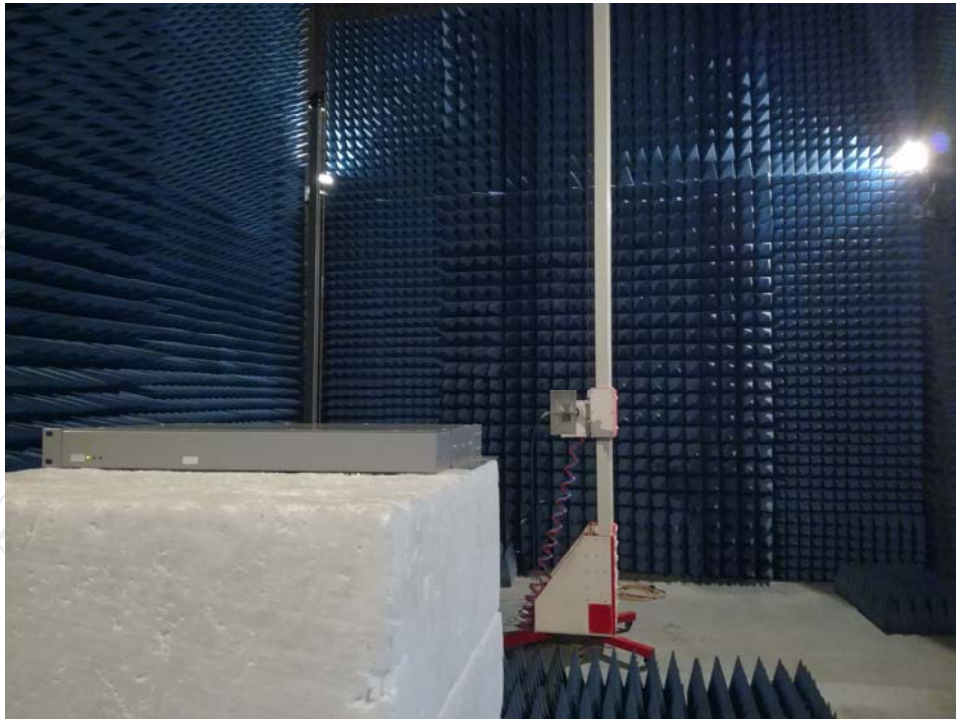
Product: Signal Booster
Model: A7V-SR65703001
Test setup



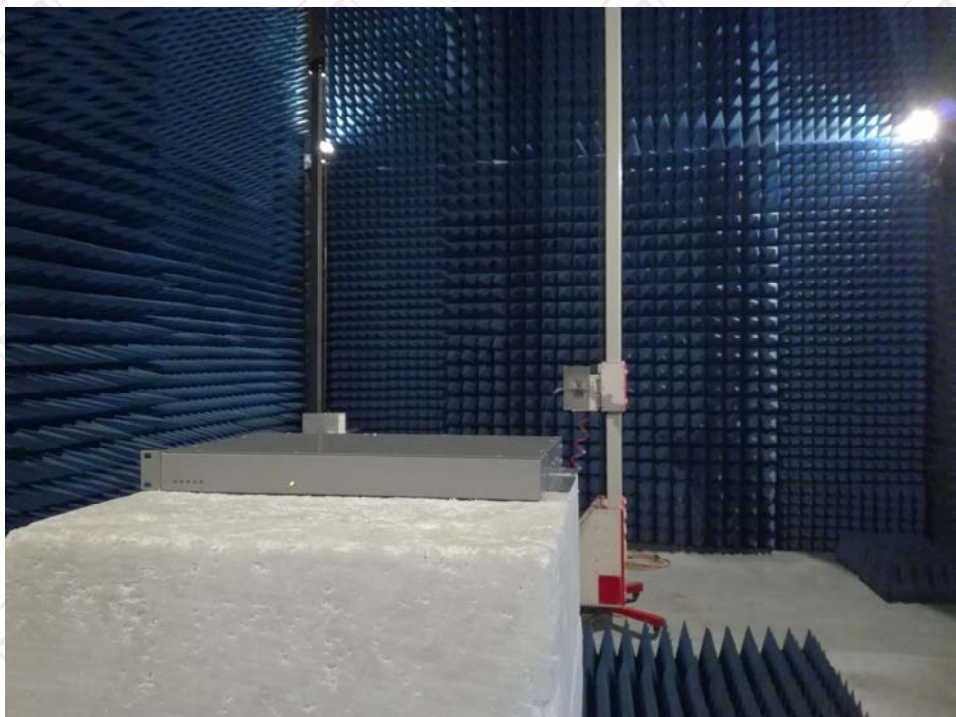
Sever port



Donor port



Sever port



Donor port

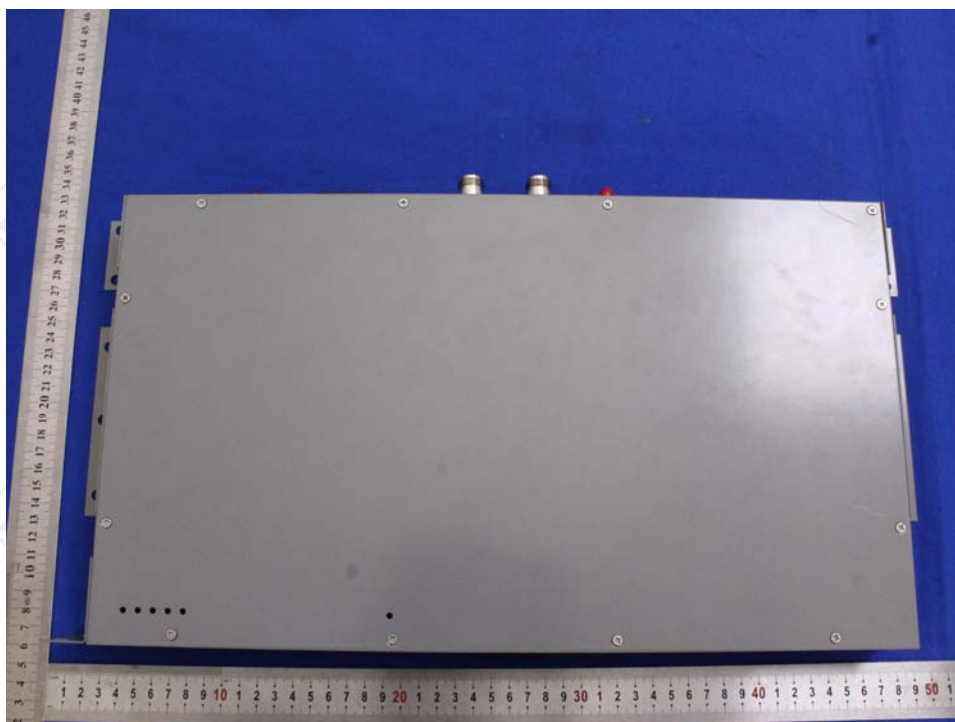
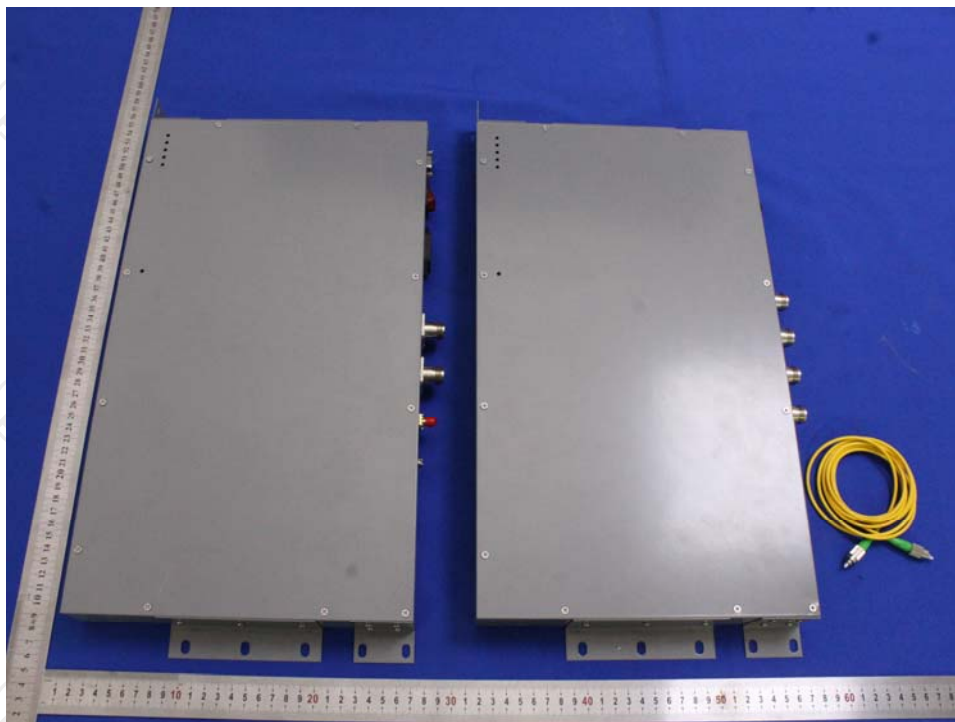


Appendix B: Photographs of EUT

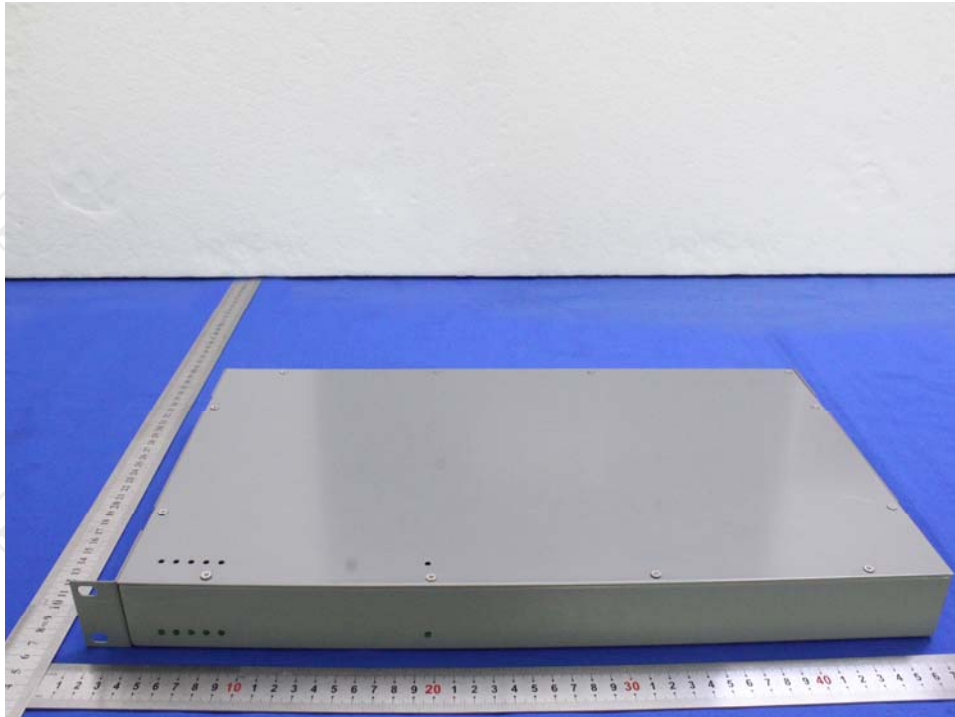
Product: Signal Booster

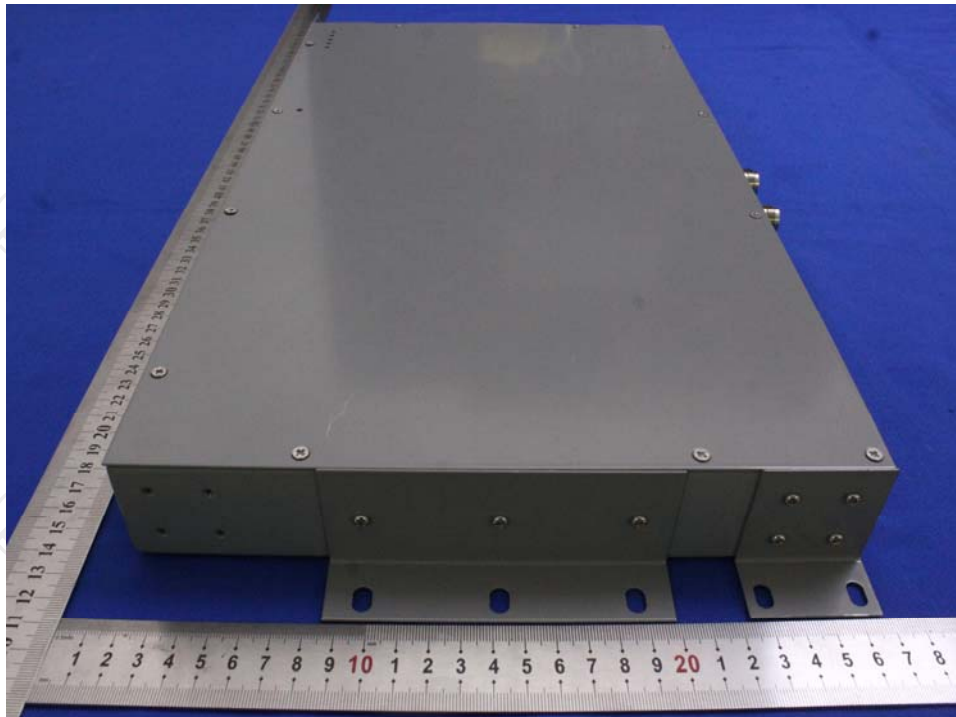
Model: A7V-SR65703001

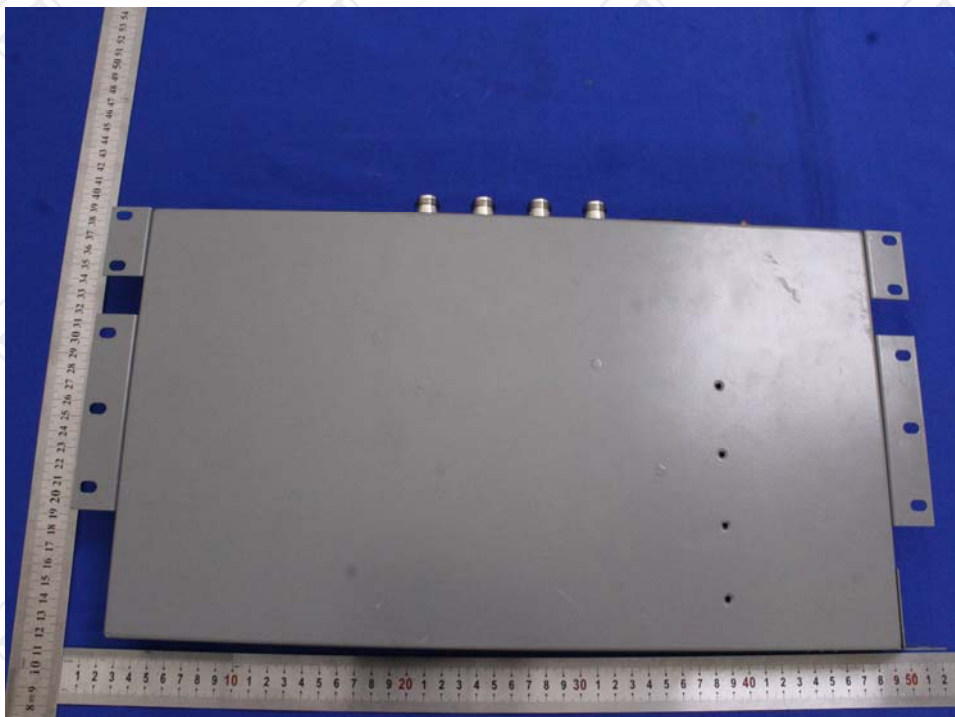
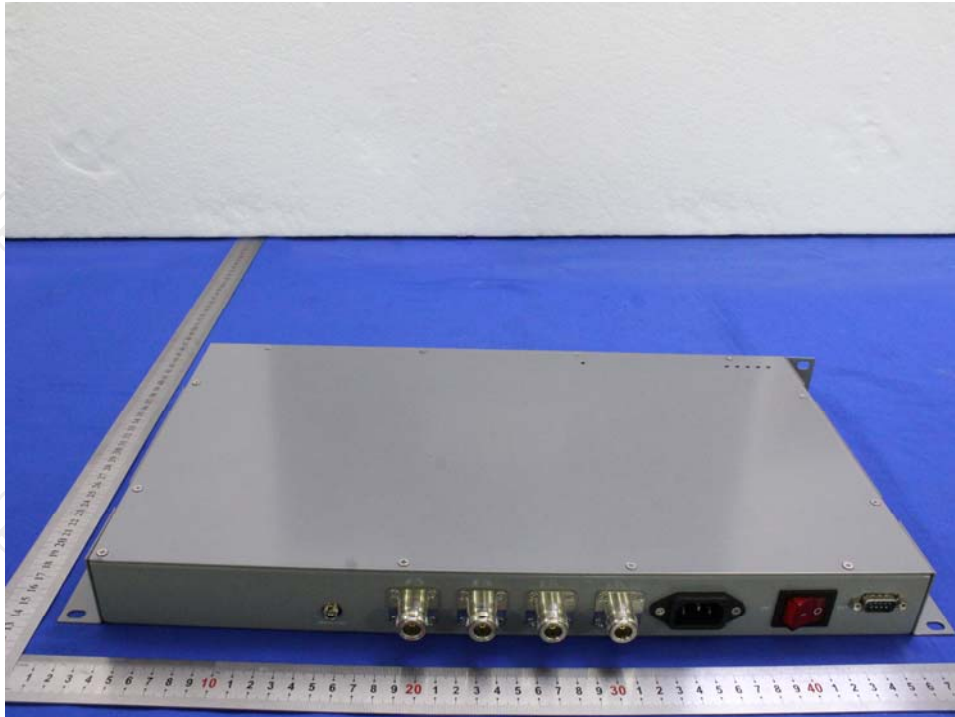
External Photos

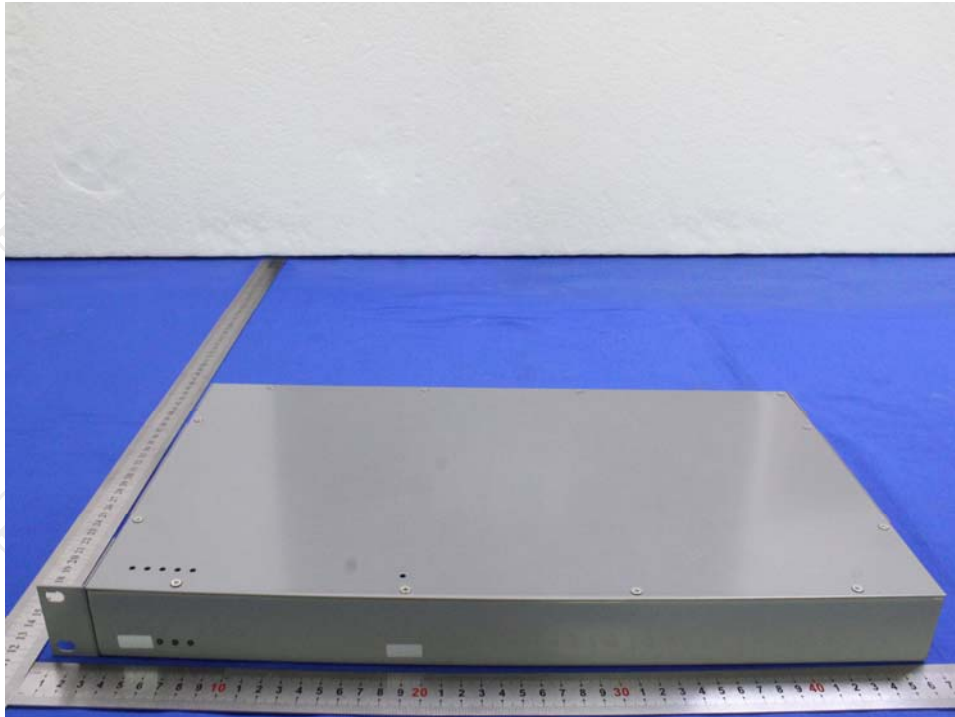


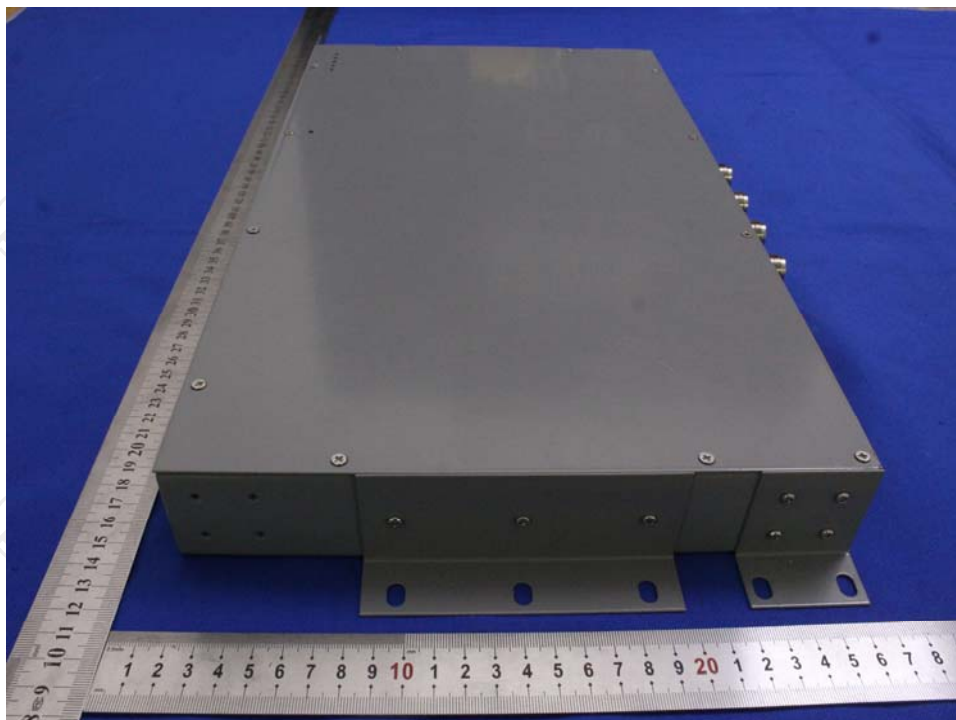












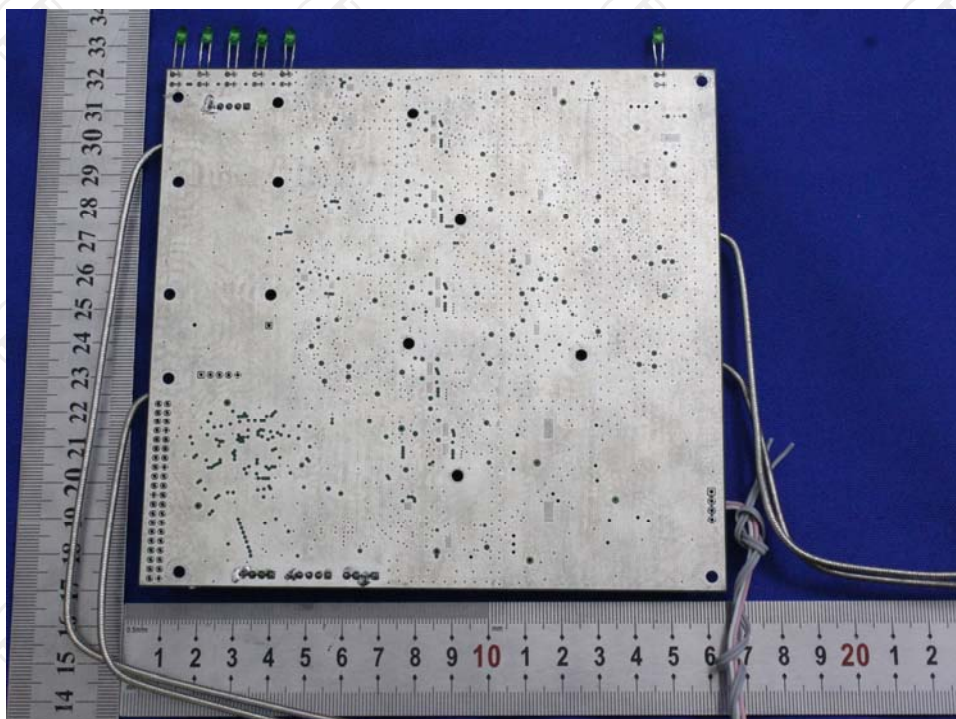
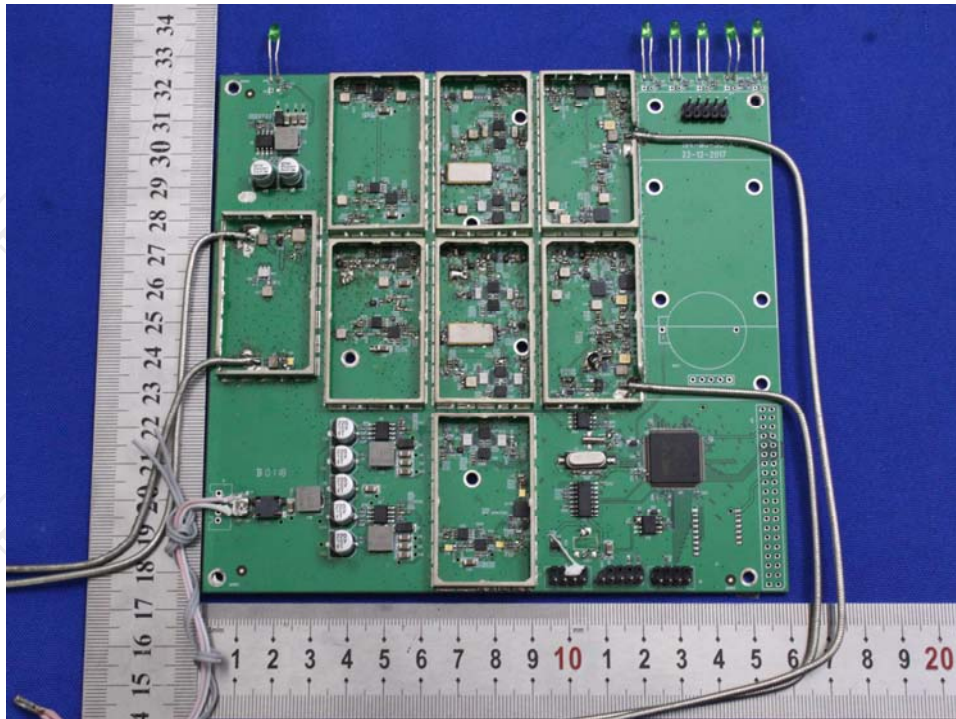
Product: Signal Booster

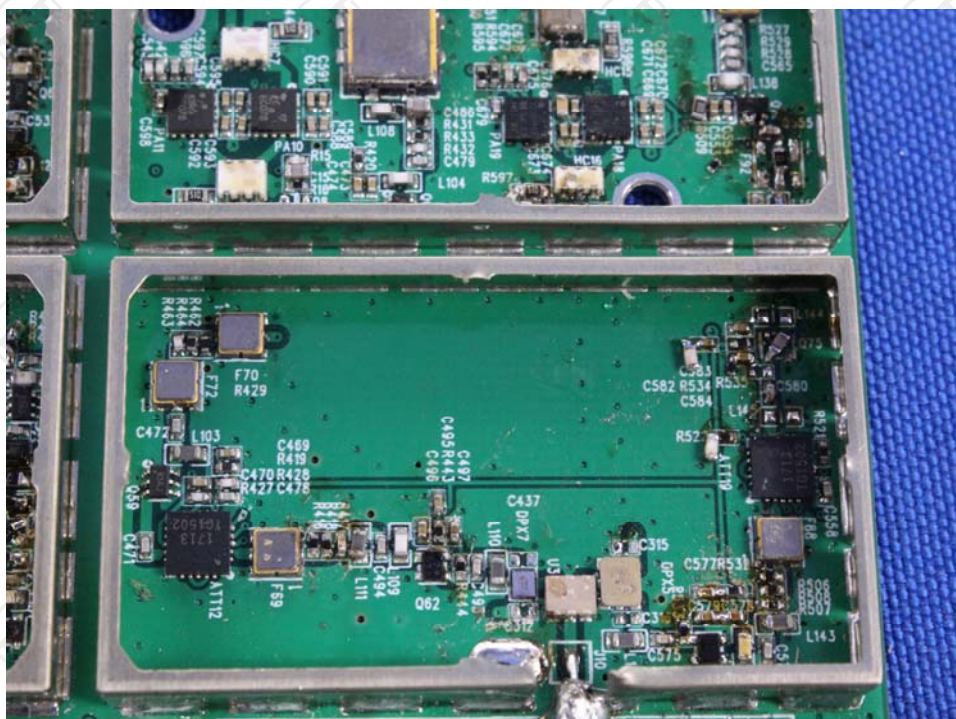
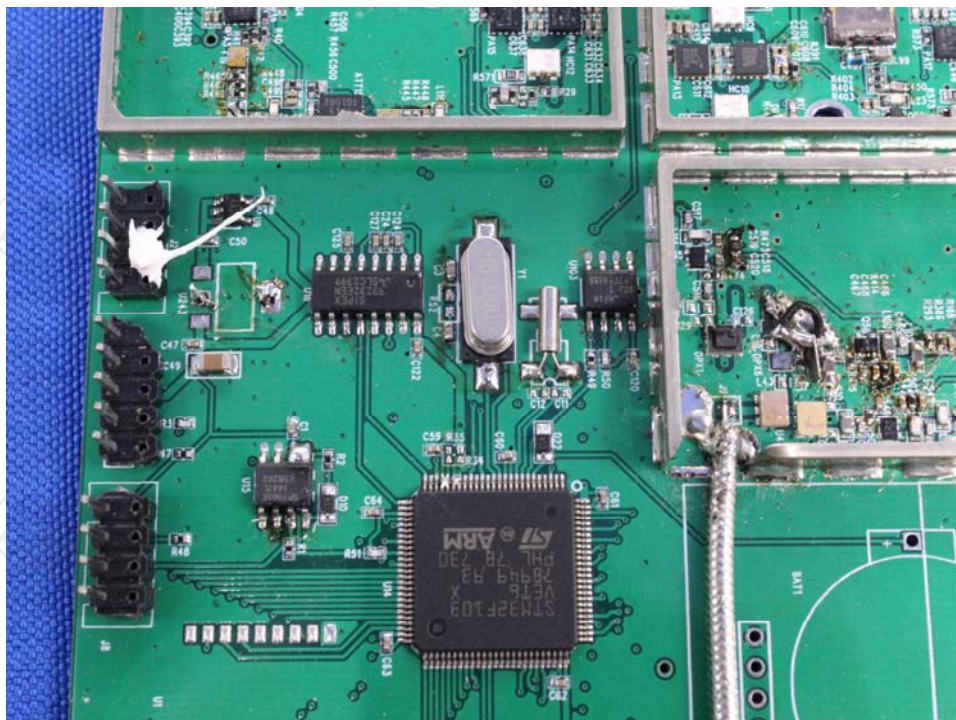
Model: A7V-SR65703001

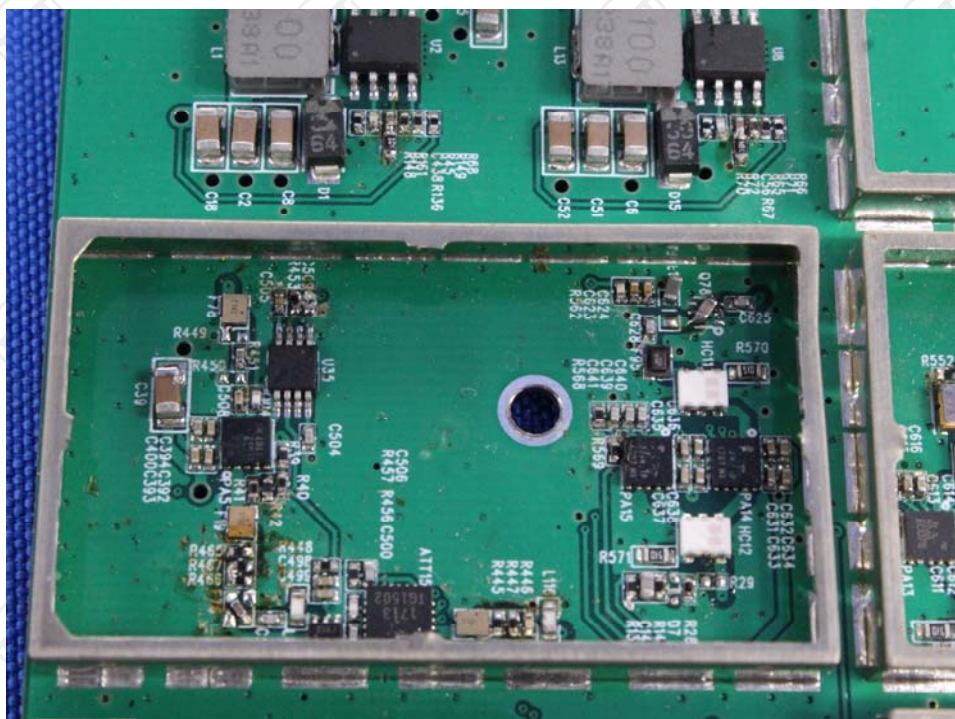
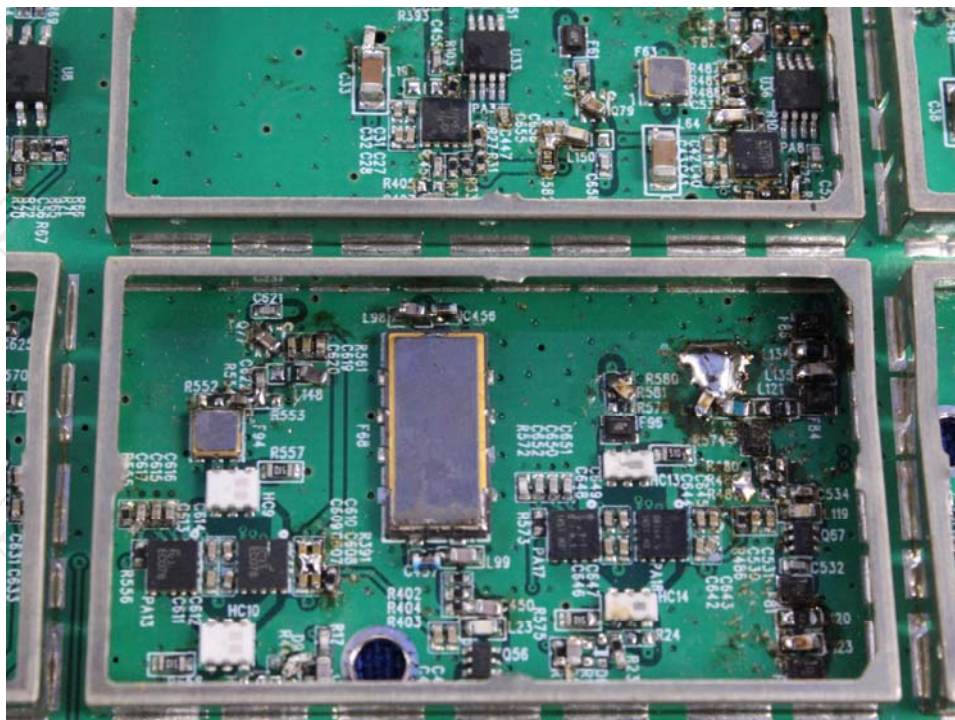
Internal Photos

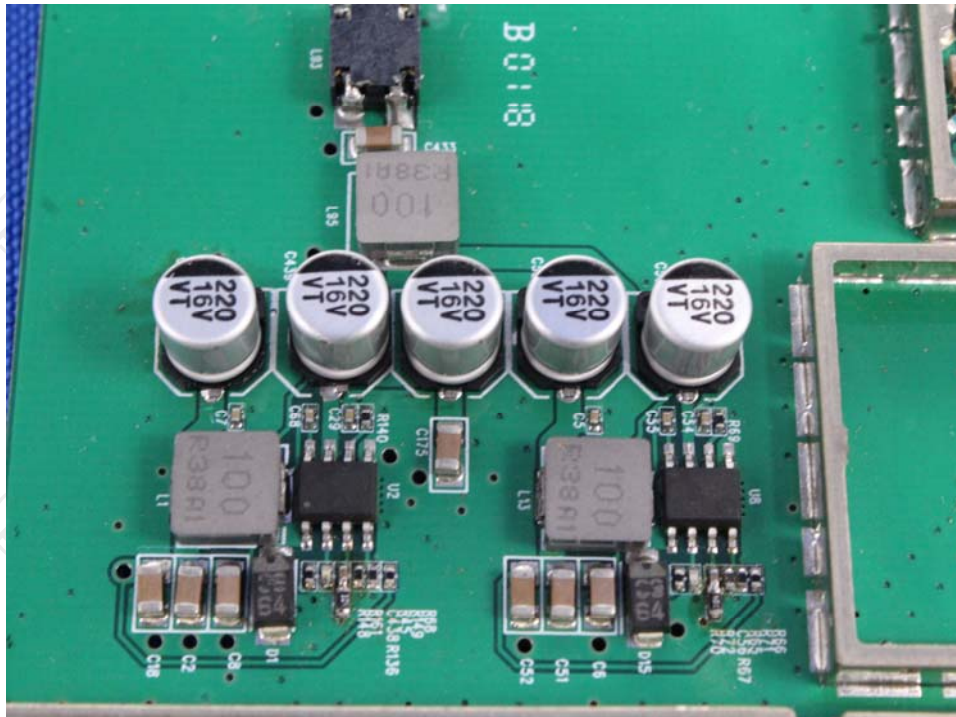
Donor port



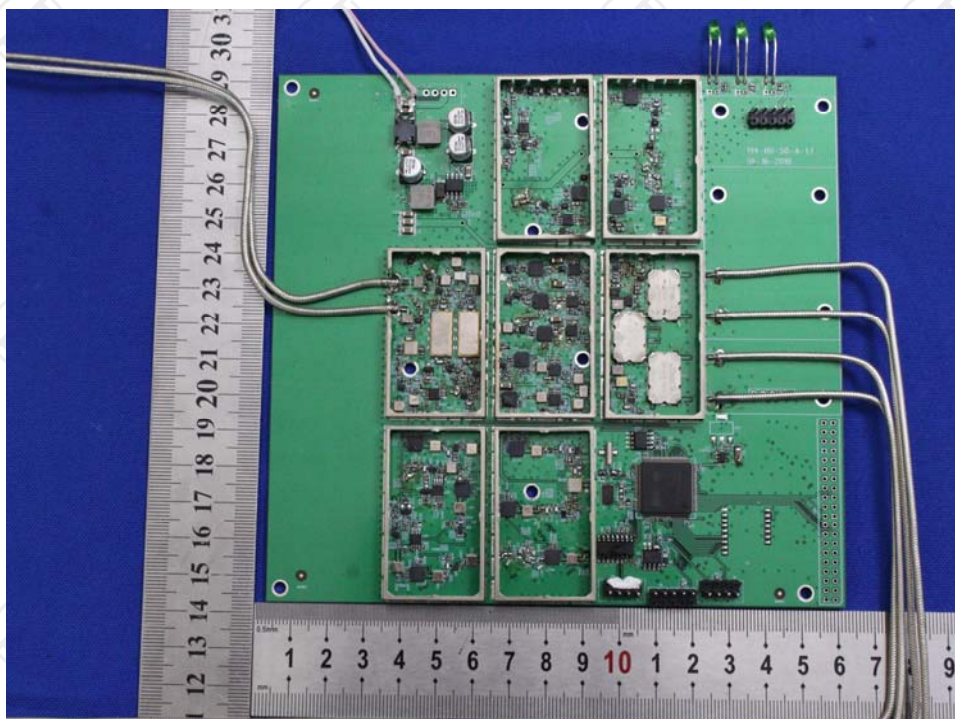
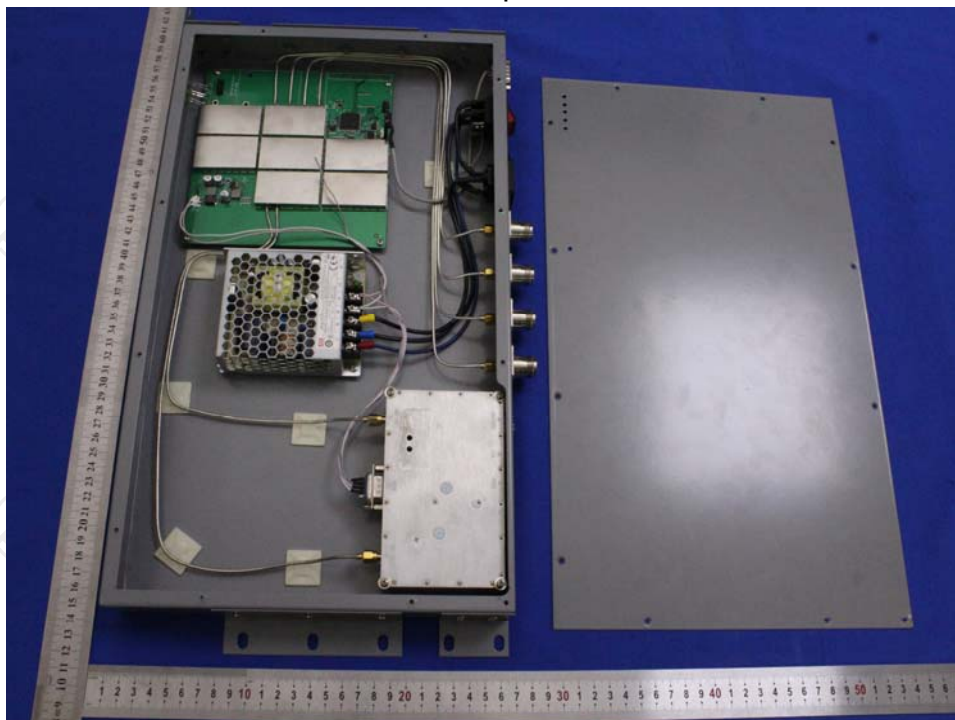


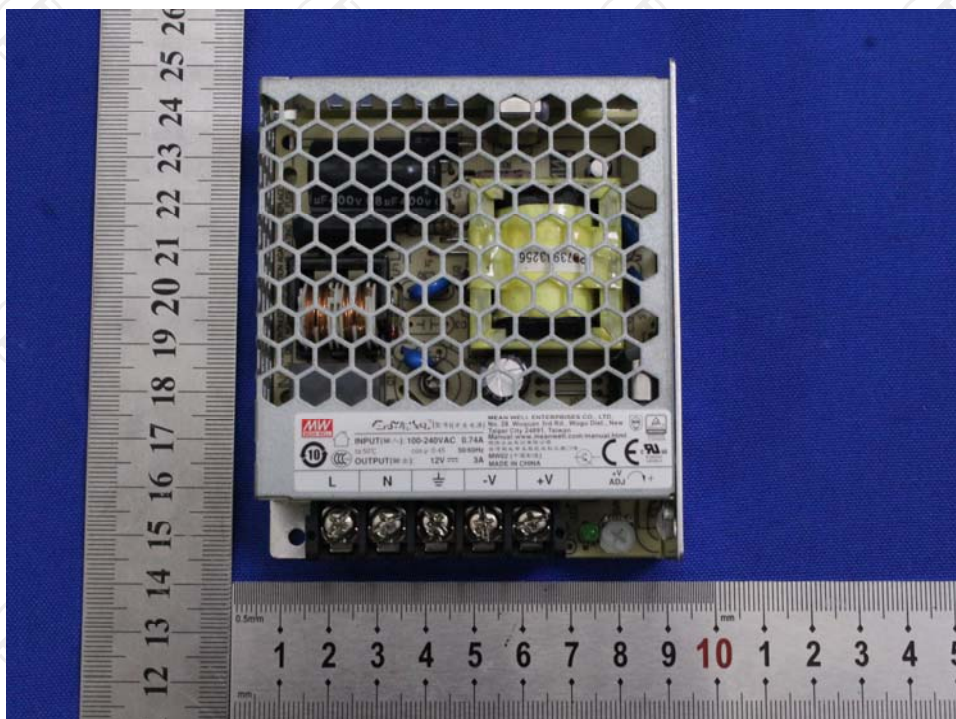
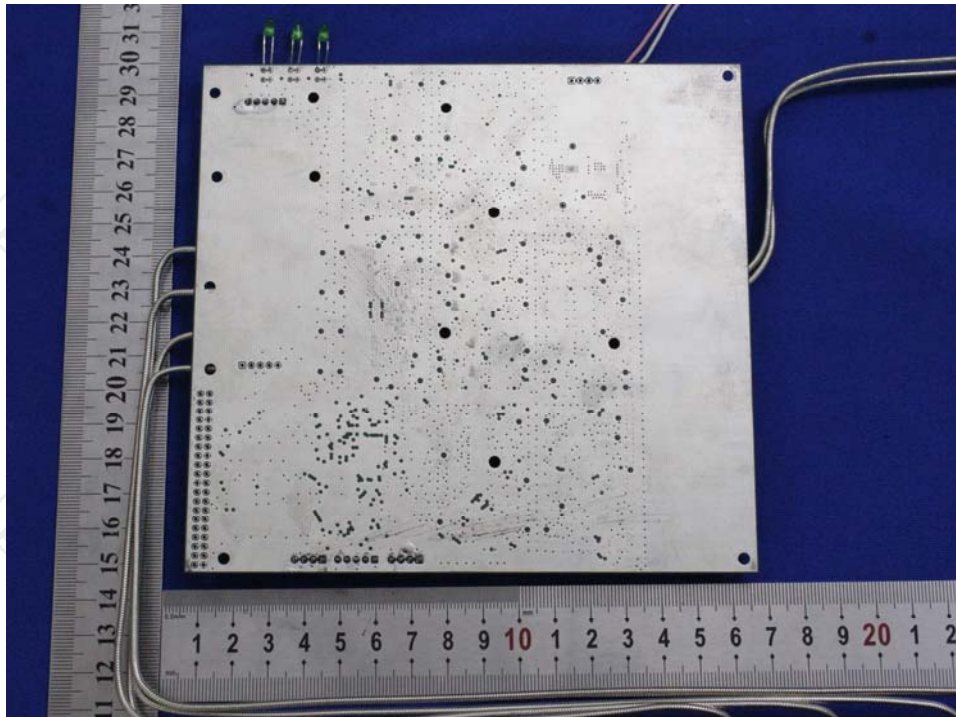


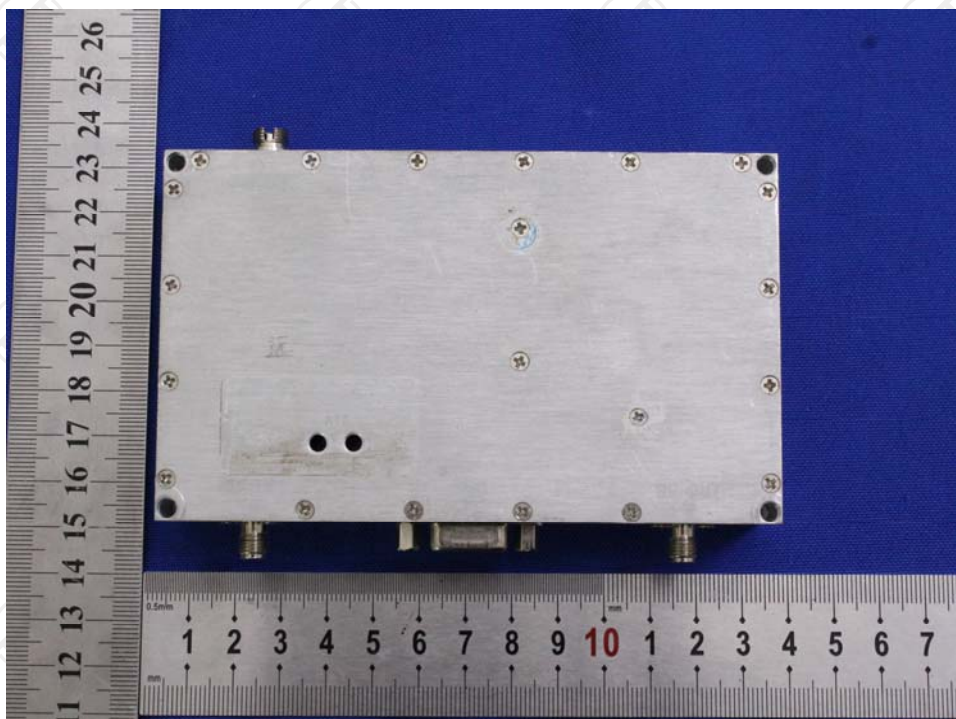
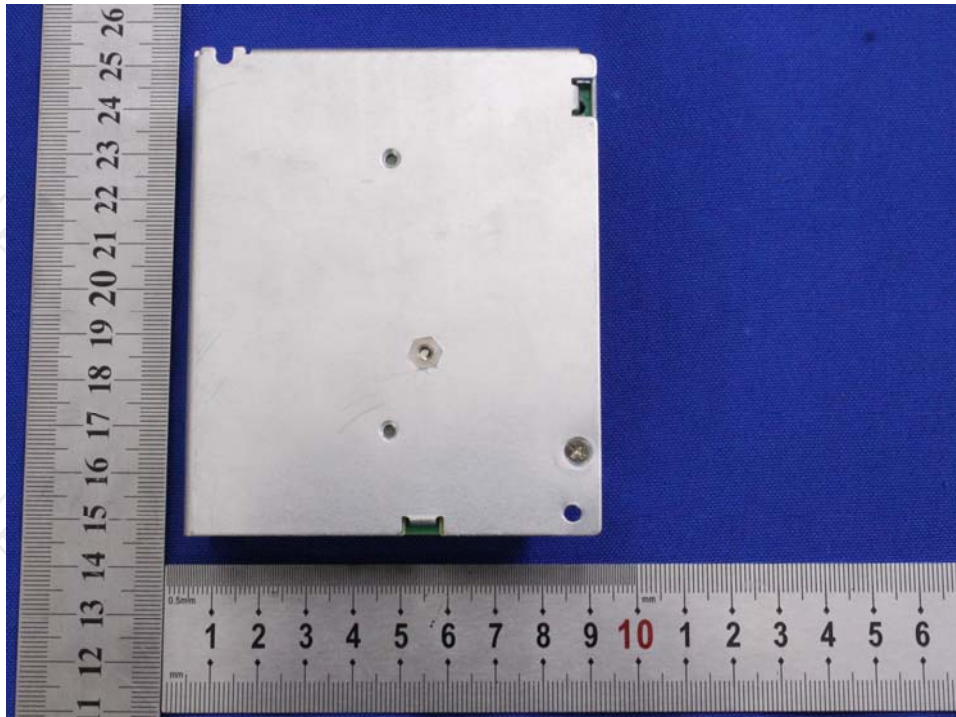


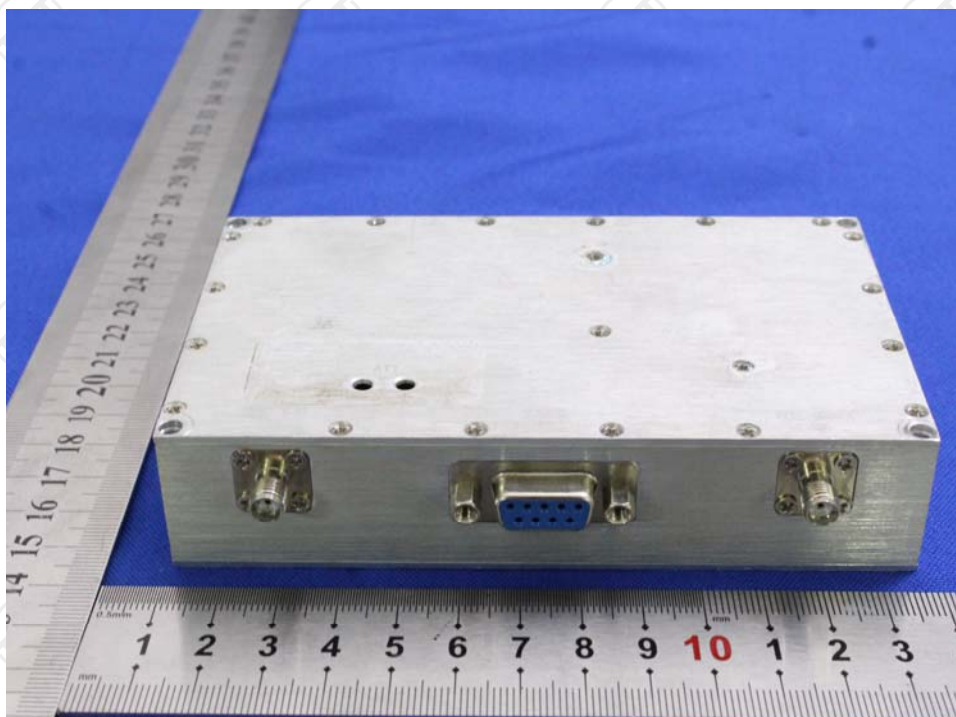
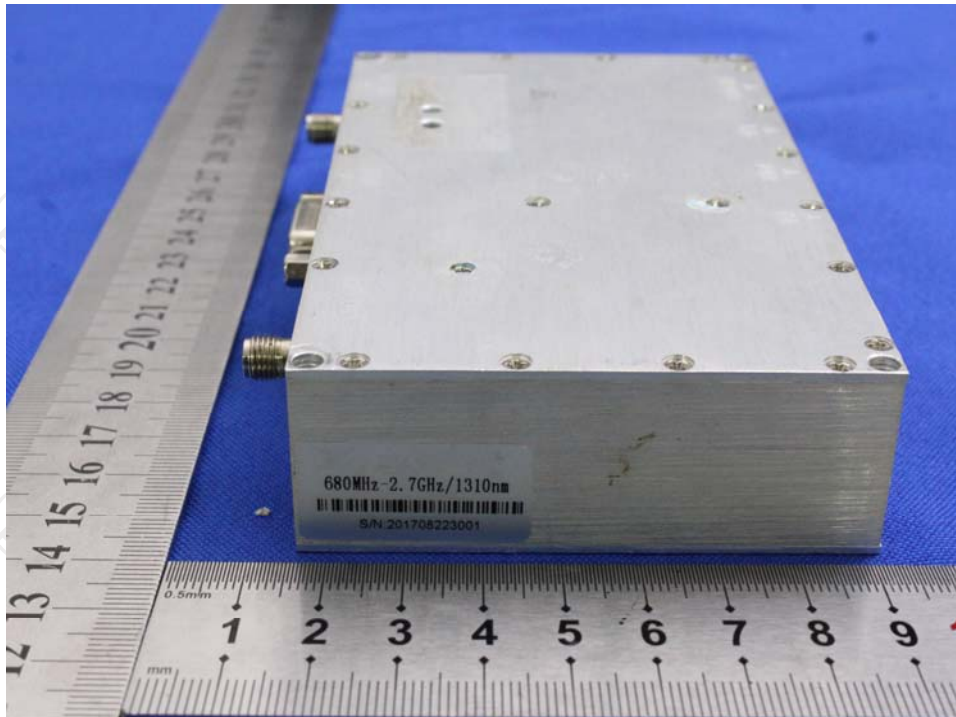


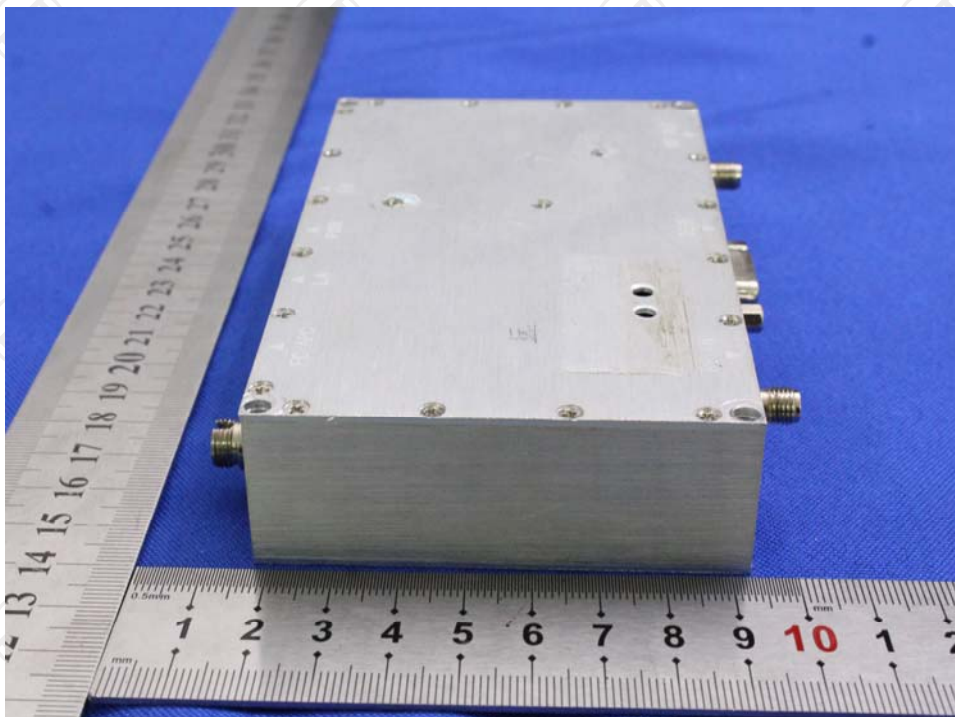
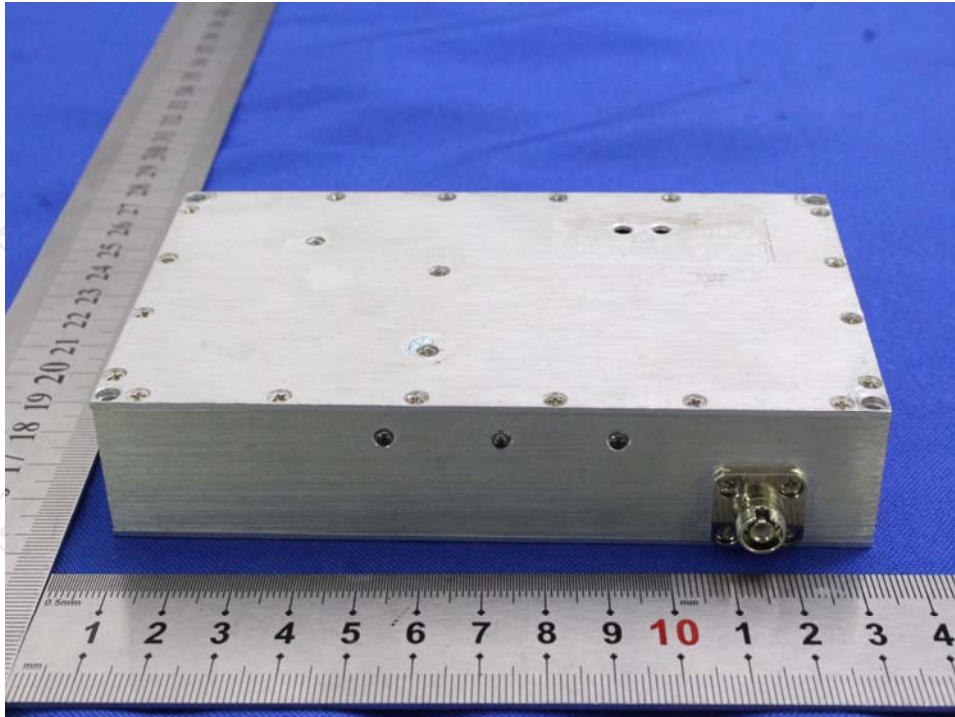
Sever port

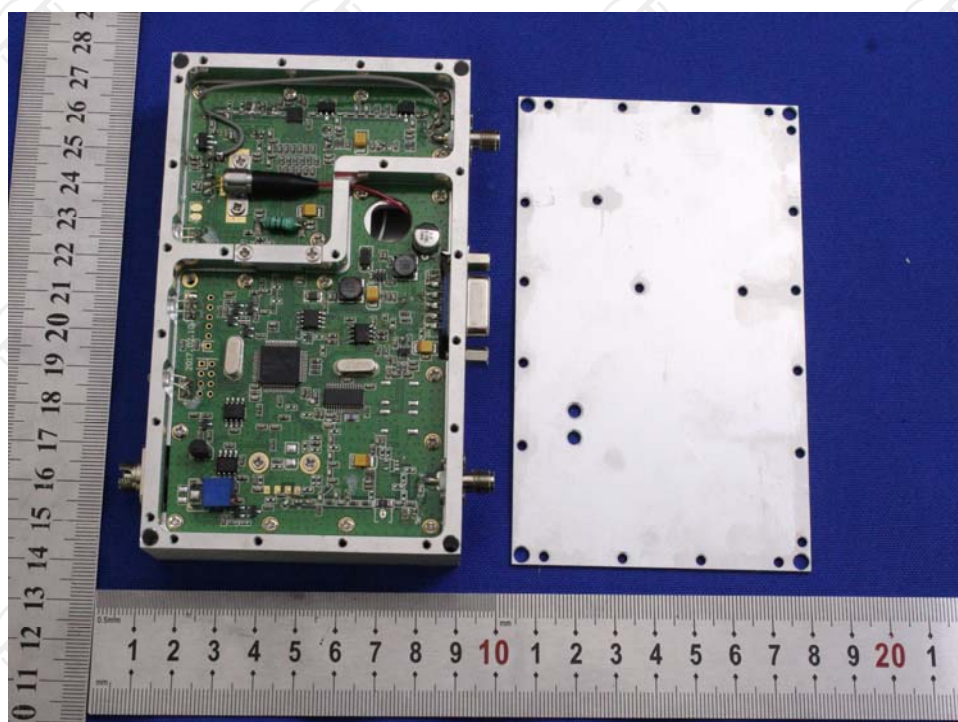


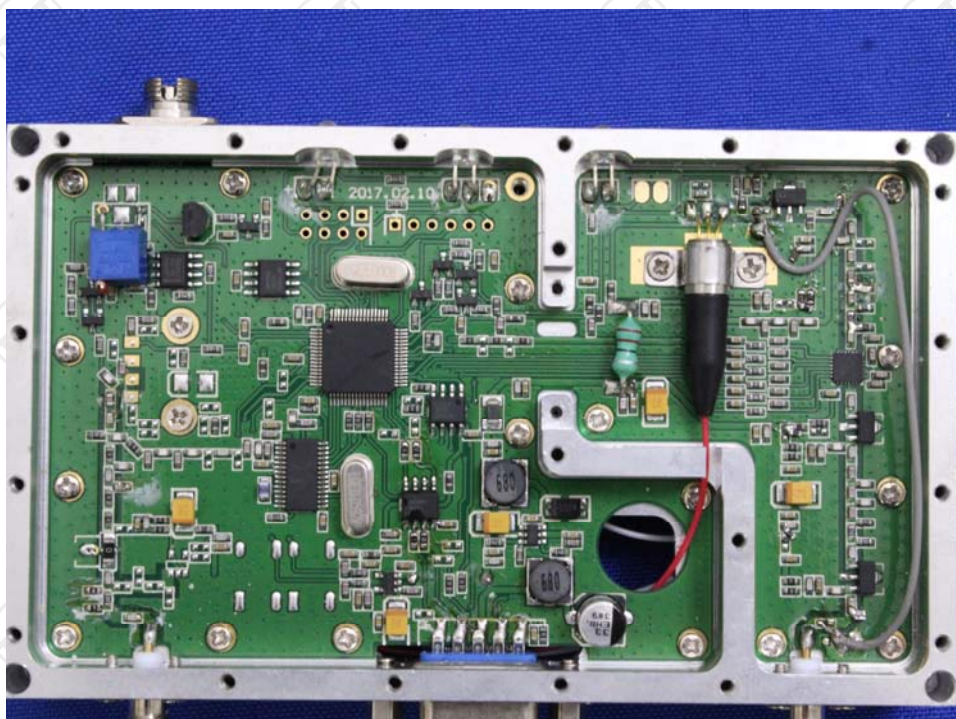
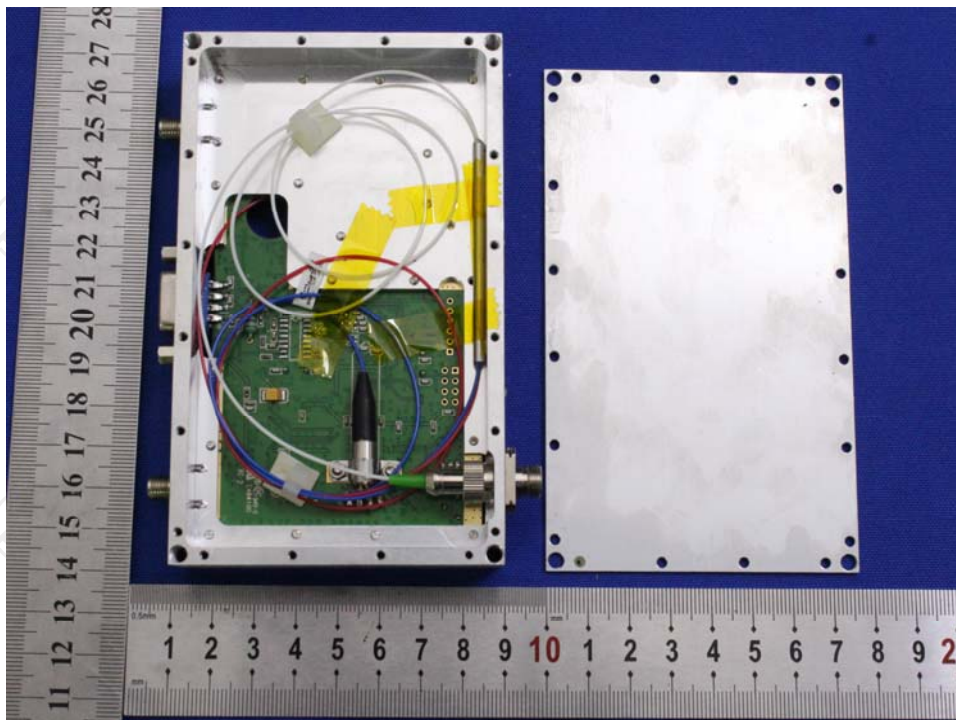


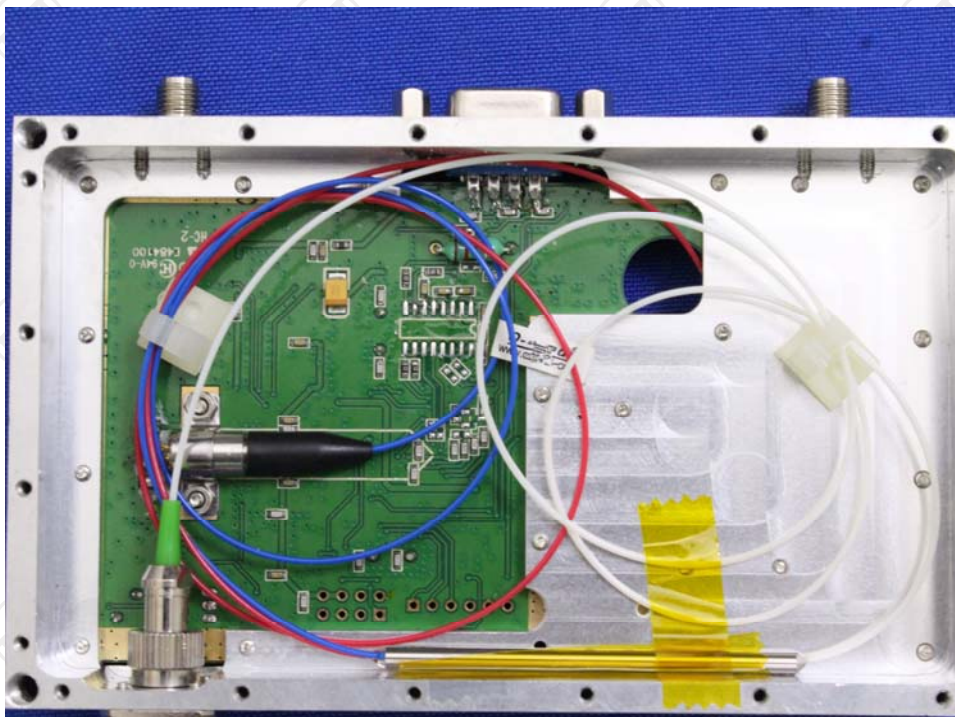
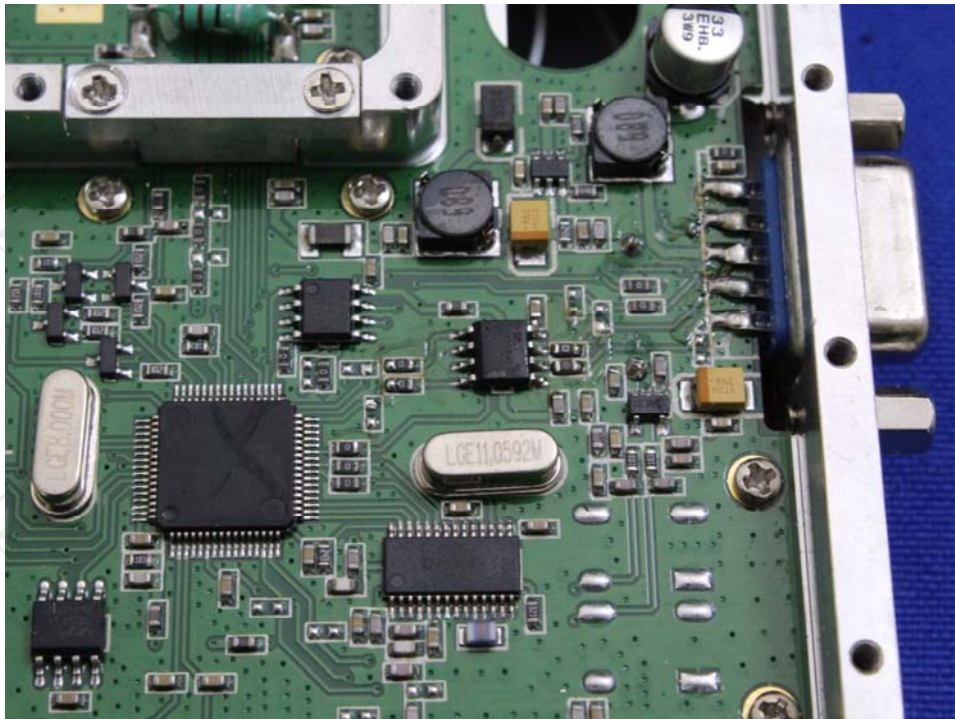


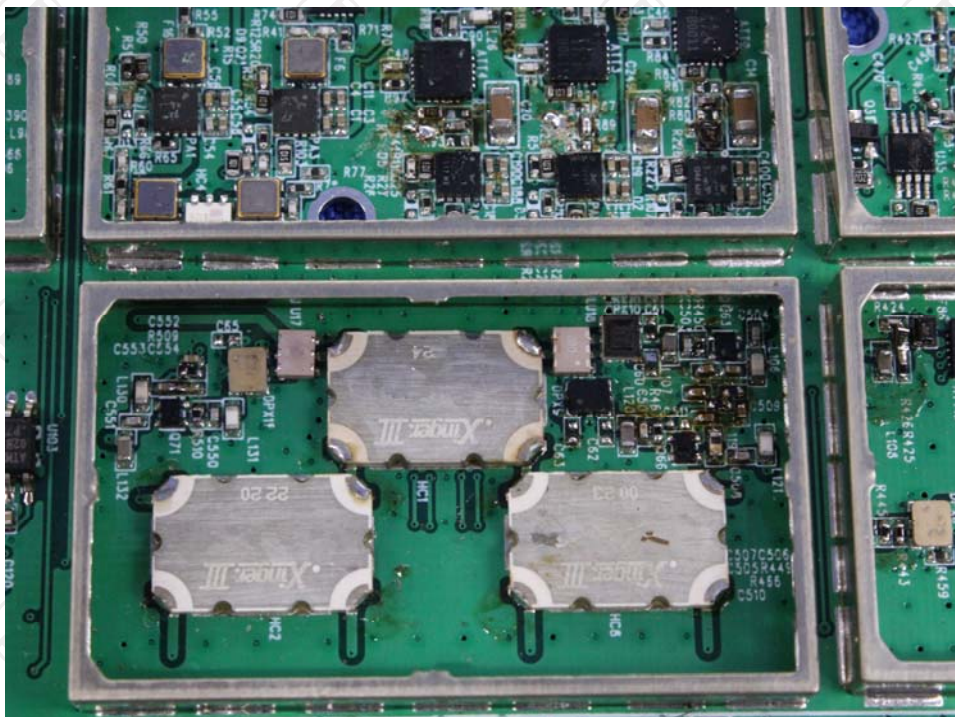
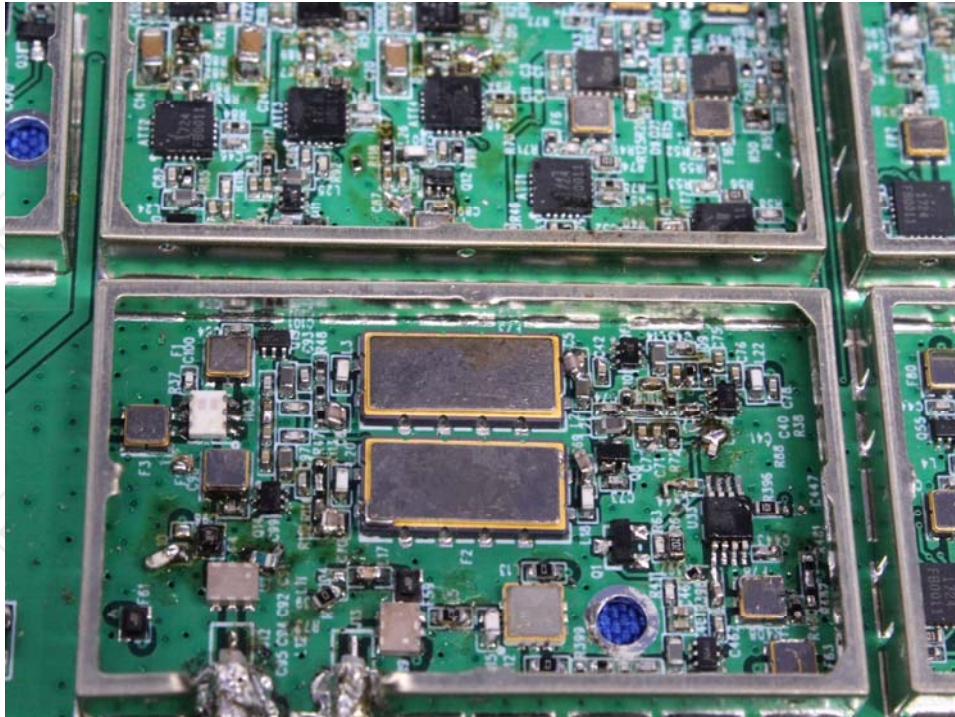


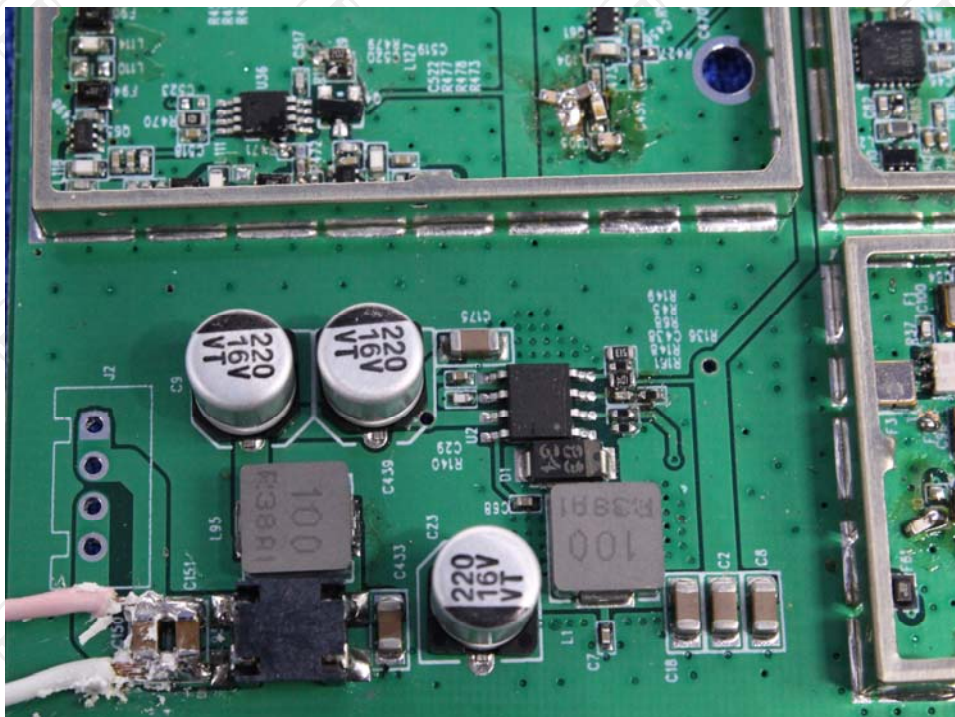
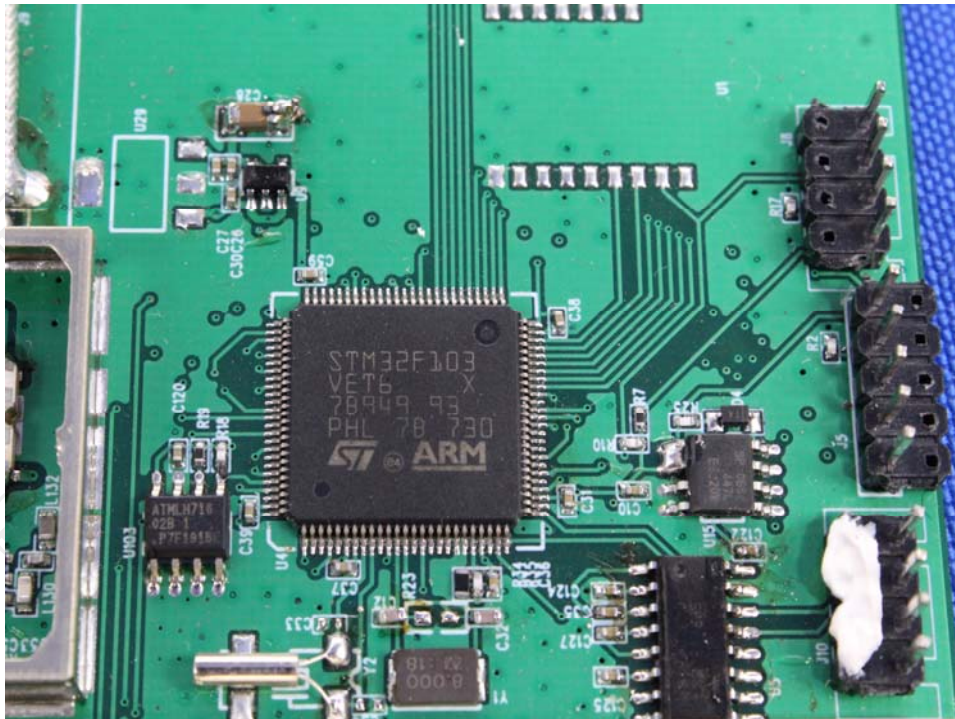


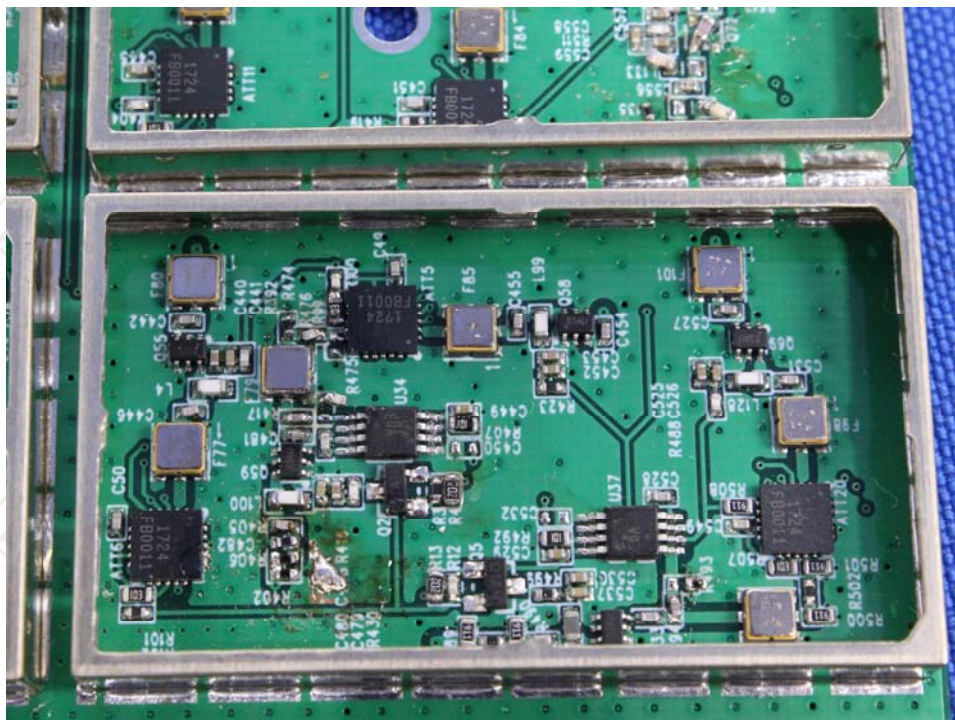












*******END OF REPORT*******