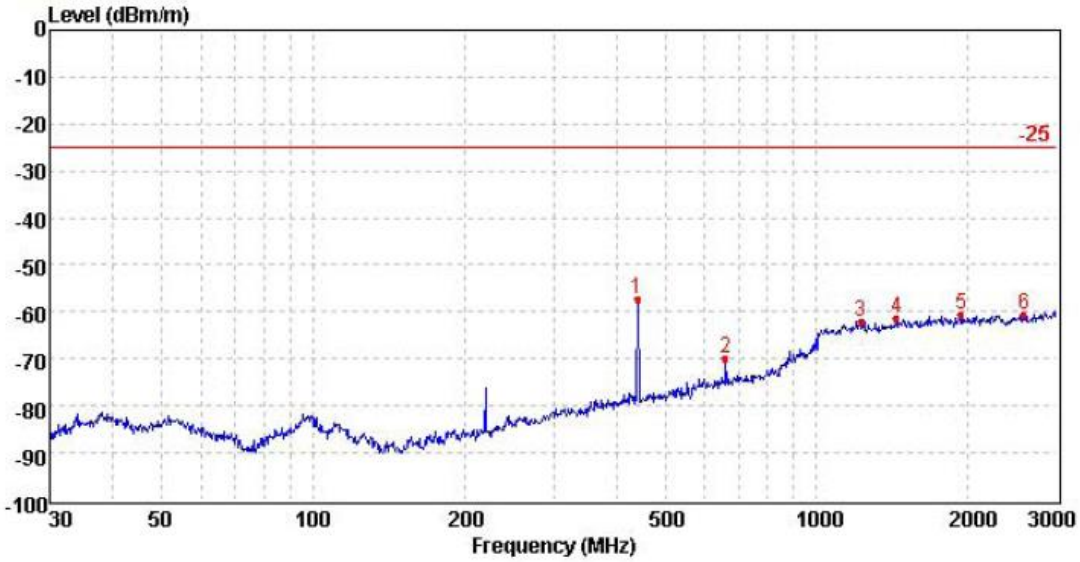
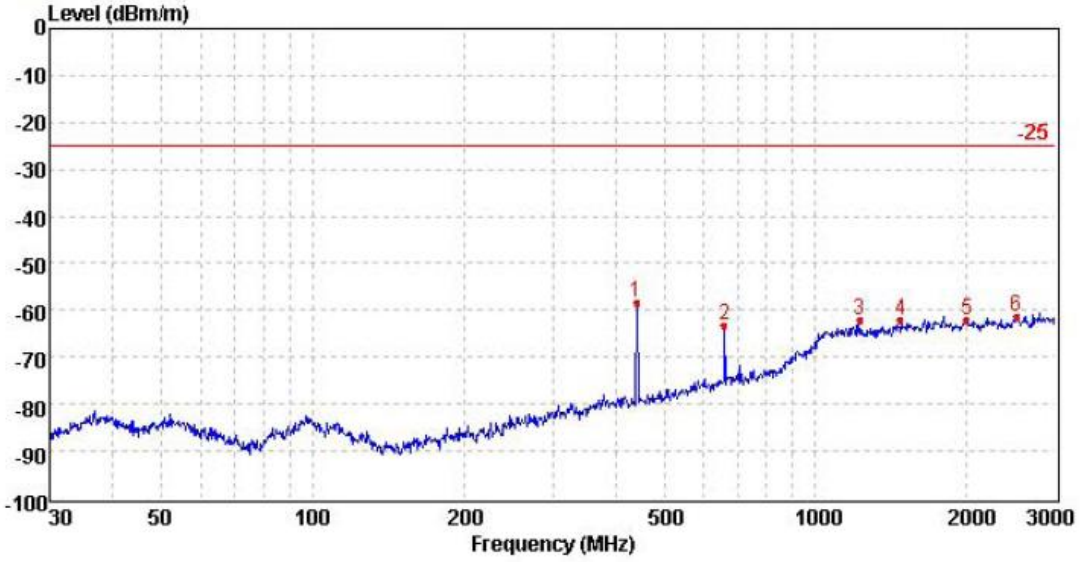
TX1			
Test Frequency:	CH_{L3}	Polarity:	Horizontal



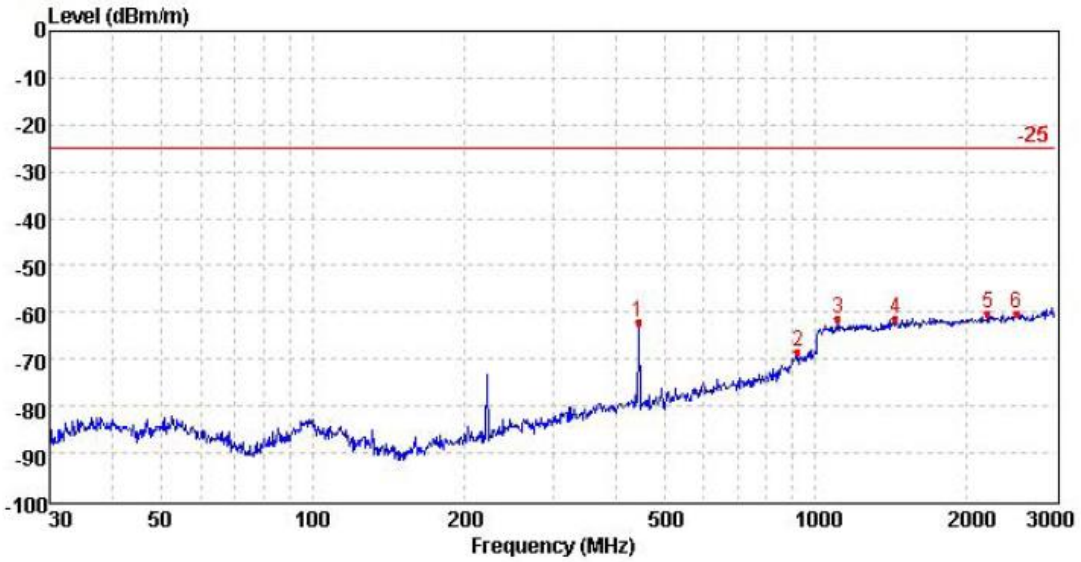
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-59.70	28.89	2.46	29.00	-57.35	-25.00	-32.35	Peak
2	659.98	-76.01	31.89	3.12	28.73	-69.73	-25.00	-44.73	Peak
3	1222.68	-69.38	39.18	4.70	36.56	-62.06	-25.00	-37.06	Peak
4	1441.72	-69.70	39.87	5.12	36.51	-61.22	-25.00	-36.22	Peak
5	1941.70	-70.40	40.96	6.18	37.25	-60.51	-25.00	-35.51	Peak
6	2583.65	-72.03	42.53	6.90	37.84	-60.44	-25.00	-35.44	Peak

Test Frequency:	CH_{L3}	Polarity:	Vertical



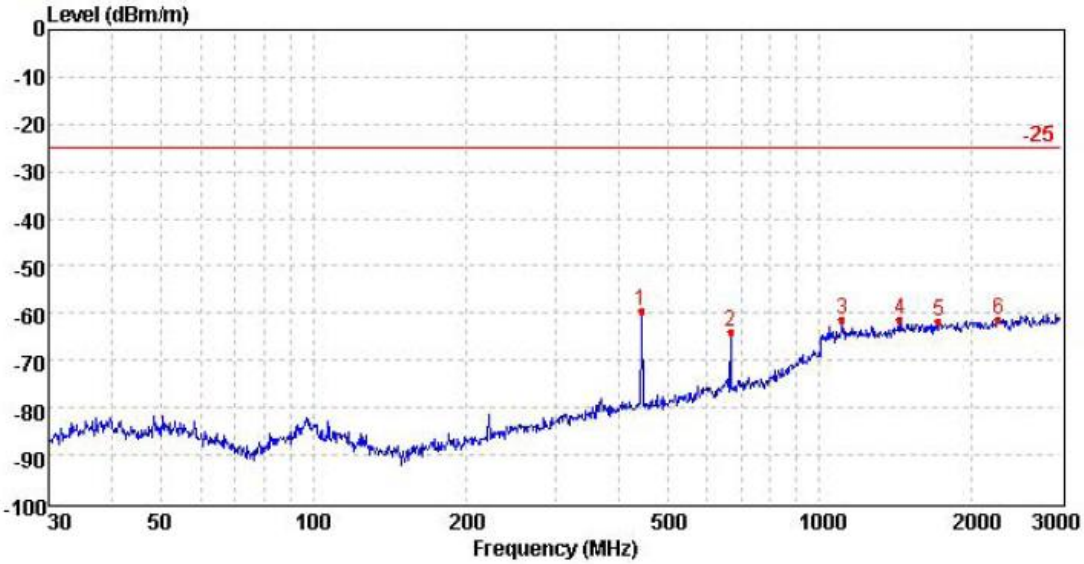
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-60.74	28.89	2.46	29.00	-58.39	-25.00	-33.39	Peak
2	659.98	-69.38	31.89	3.12	28.73	-63.10	-25.00	-38.10	Peak
3	1222.68	-69.38	39.18	4.70	36.56	-62.06	-25.00	-37.06	Peak
4	1476.99	-70.85	39.98	5.22	36.56	-62.21	-25.00	-37.21	Peak
5	2002.35	-72.13	41.05	6.27	37.30	-62.11	-25.00	-37.11	Peak
6	2510.89	-72.79	42.40	6.85	37.87	-61.41	-25.00	-36.41	Peak

TX1			
Test Frequency:	CH_{H3}	Polarity:	Horizontal



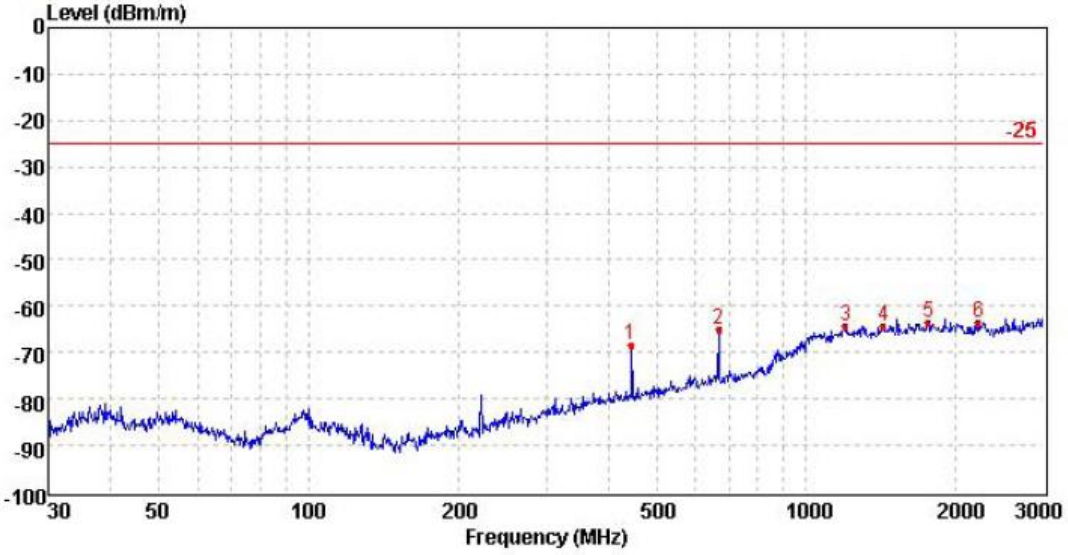
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-64.35	28.98	2.47	29.01	-61.91	-25.00	-36.91	Peak
2	921.75	-79.97	35.89	3.77	27.99	-68.30	-25.00	-43.30	Peak
3	1106.36	-67.77	38.76	4.45	36.62	-61.18	-25.00	-36.18	Peak
4	1440.14	-69.98	39.87	5.11	36.51	-61.51	-25.00	-36.51	Peak
5	2200.76	-70.98	41.63	6.44	37.34	-60.25	-25.00	-35.25	Peak
6	2510.89	-71.77	42.40	6.85	37.87	-60.39	-25.00	-35.39	Peak

Test Frequency:	CH_{H3}	Polarity:	Vertical



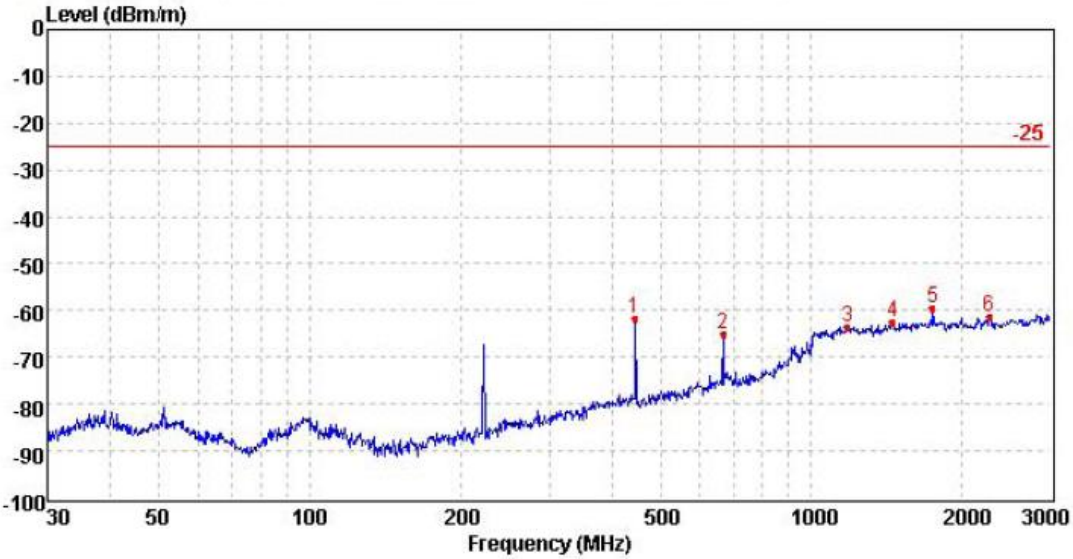
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-61.95	28.98	2.47	29.01	-59.51	-25.00	-34.51	Peak
2	666.98	-70.13	31.91	3.13	28.70	-63.79	-25.00	-38.79	Peak
3	1106.36	-67.77	38.76	4.45	36.62	-61.18	-25.00	-36.18	Peak
4	1440.14	-69.98	39.87	5.11	36.51	-61.51	-25.00	-36.51	Peak
5	1722.56	-71.23	40.52	5.81	36.98	-61.88	-25.00	-36.88	Peak
6	2257.08	-72.01	41.75	6.53	37.50	-61.23	-25.00	-36.23	Peak

TX1			
Test Frequency:	CH_{L4}	Polarity:	Horizontal



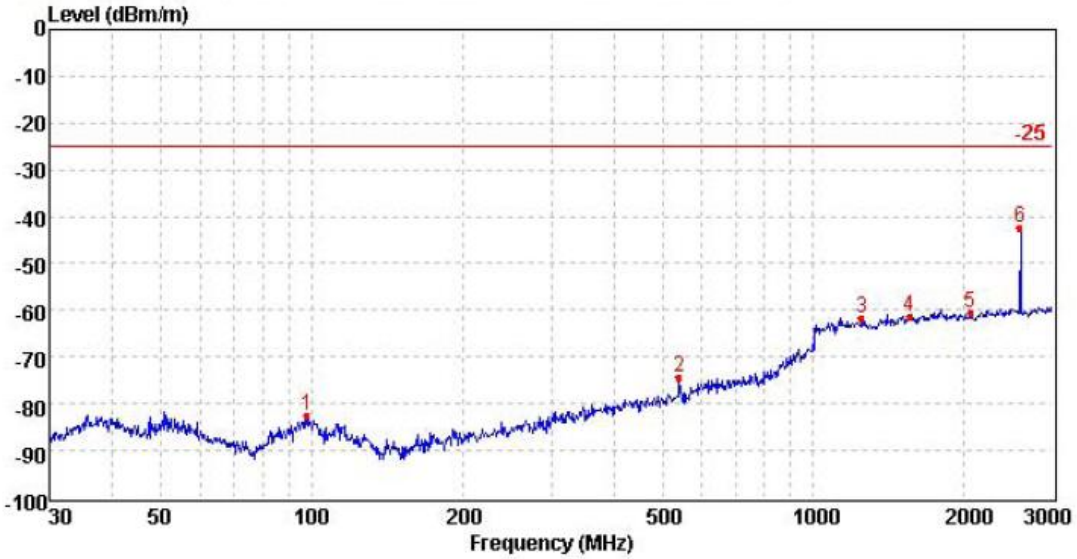
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-70.99	28.98	2.47	29.01	-68.55	-25.00	-43.55	Peak
2	666.98	-71.23	31.91	3.13	28.70	-64.89	-25.00	-39.89	Peak
3	1202.70	-71.61	39.12	4.66	36.57	-64.40	-25.00	-39.40	Peak
4	1429.11	-72.65	39.84	5.08	36.50	-64.23	-25.00	-39.23	Peak
5	1758.90	-72.86	40.61	5.88	37.05	-63.42	-25.00	-38.42	Peak
6	2215.32	-74.37	41.67	6.47	37.38	-63.61	-25.00	-38.61	Peak

Test Frequency:	CH_{L4}	Polarity:	Vertical



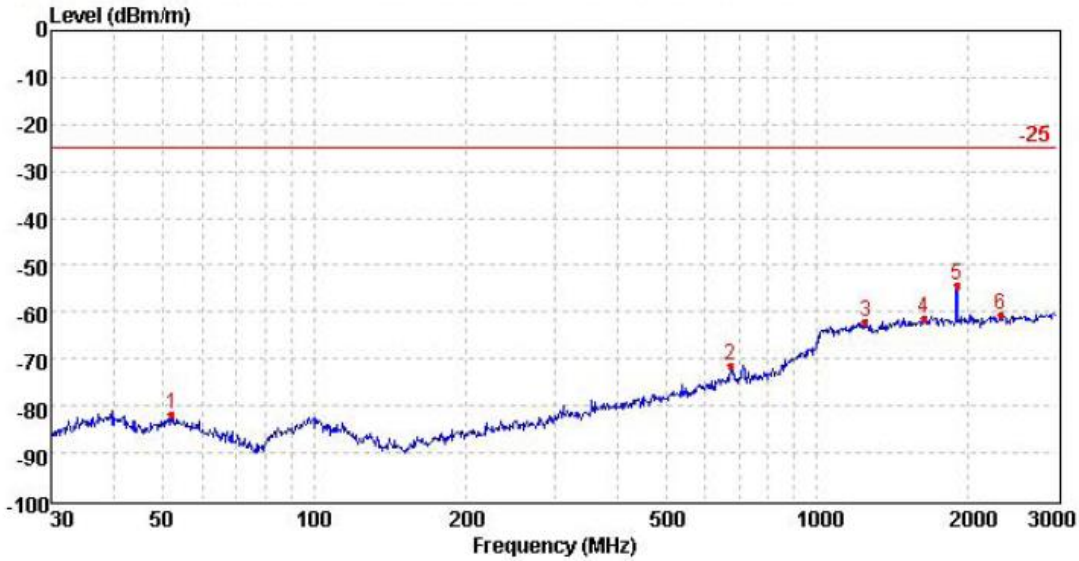
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-64.28	28.98	2.47	29.01	-61.84	-25.00	-36.84	Peak
2	666.98	-71.42	31.91	3.13	28.70	-65.08	-25.00	-40.08	Peak
3	1183.04	-70.50	39.04	4.62	36.58	-63.42	-25.00	-38.42	Peak
4	1451.26	-70.98	39.90	5.15	36.53	-62.46	-25.00	-37.46	Peak
5	1747.34	-68.97	40.59	5.86	37.03	-59.55	-25.00	-34.55	Peak
6	2267.02	-72.13	41.79	6.55	37.53	-61.32	-25.00	-36.32	Peak

TX1			
Test Frequency:	CH_{H4}	Polarity:	Horizontal



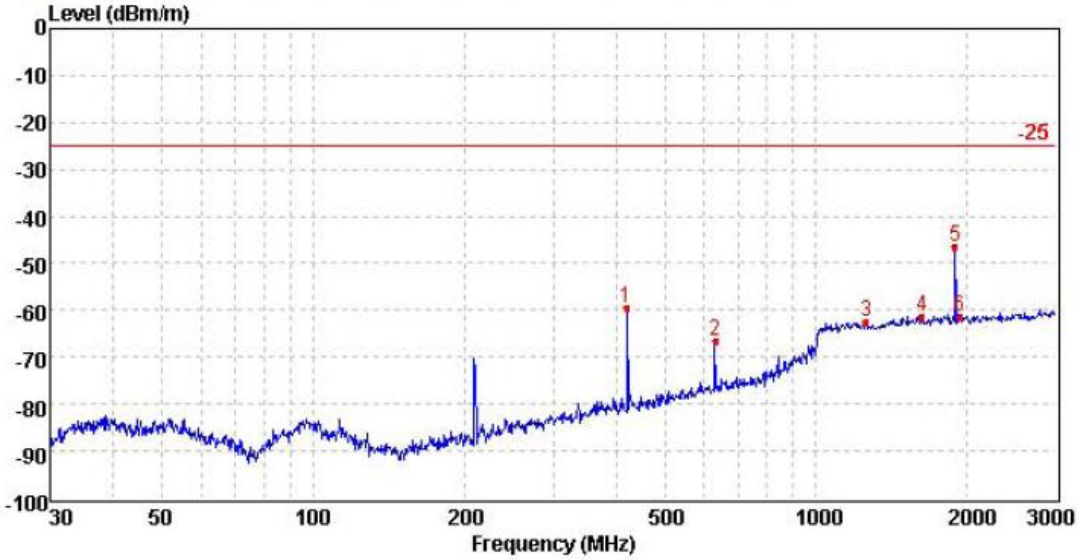
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	97.78	-80.47	25.76	1.14	29.09	-82.66	-25.00	-57.66	Peak
2	540.11	-78.56	30.56	2.72	29.23	-74.51	-25.00	-49.51	Peak
3	1251.22	-69.29	39.29	4.75	36.54	-61.79	-25.00	-36.79	Peak
4	1558.68	-70.29	40.18	5.45	36.67	-61.33	-25.00	-36.33	Peak
5	2058.11	-70.63	41.21	6.32	37.31	-60.41	-25.00	-35.41	Peak
6	2583.65	-54.12	42.53	6.90	37.84	-42.53	-25.00	-17.53	Peak

Test Frequency:	CH_{H4}	Polarity:	Vertical



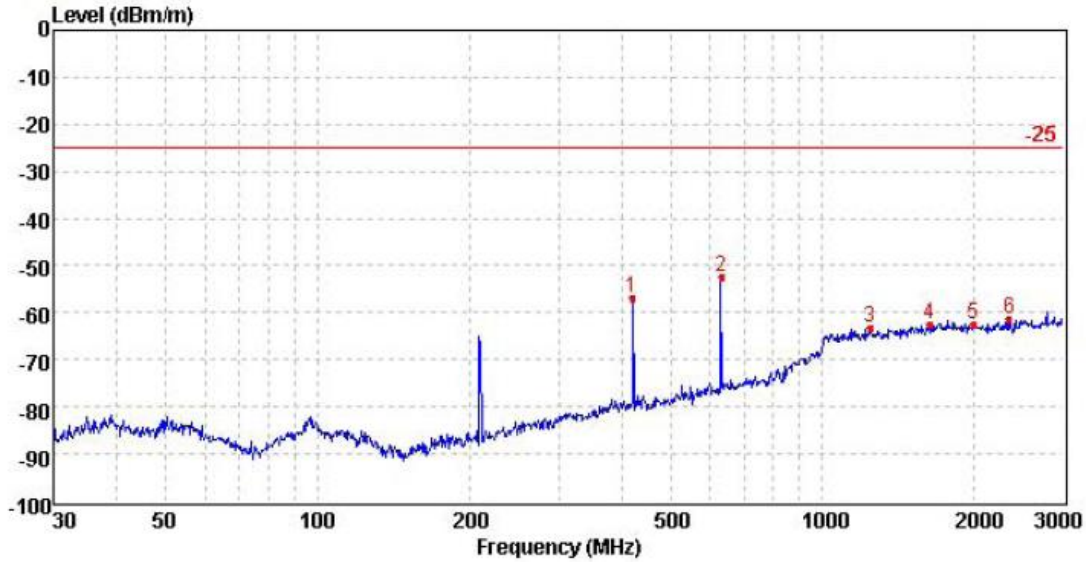
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	52.11	-79.54	26.03	0.85	29.29	-81.95	-25.00	-56.95	Peak
2	674.05	-77.84	31.94	3.13	28.67	-71.44	-25.00	-46.44	Peak
3	1248.47	-69.57	39.26	4.74	36.54	-62.11	-25.00	-37.11	Peak
4	1634.08	-70.55	40.34	5.64	36.79	-61.36	-25.00	-36.36	Peak
5	1899.50	-64.15	40.87	6.11	37.22	-54.39	-25.00	-29.39	Peak
6	2317.38	-71.61	41.90	6.63	37.67	-60.75	-25.00	-35.75	Peak

TX3			
Test Frequency:	CH_{L1}	Polarity:	Horizontal



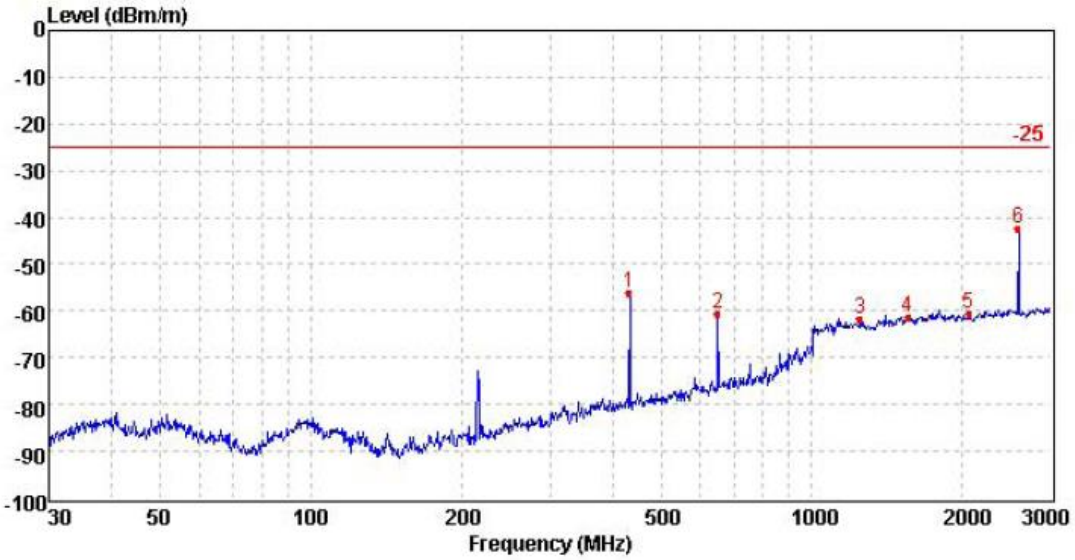
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	420.77	-61.46	28.57	2.40	28.99	-59.48	-25.00	-34.48	Peak
2	630.49	-72.61	31.78	3.03	28.90	-66.70	-25.00	-41.70	Peak
3	1259.49	-70.02	39.32	4.76	36.54	-62.48	-25.00	-37.48	Peak
4	1623.34	-70.38	40.32	5.62	36.77	-61.21	-25.00	-36.21	Peak
5	1889.09	-56.32	40.84	6.10	37.21	-46.59	-25.00	-21.59	Peak
6	1931.06	-71.09	40.94	6.16	37.24	-61.23	-25.00	-36.23	Peak

Test Frequency:	CH_{L1}	Polarity:	Vertical



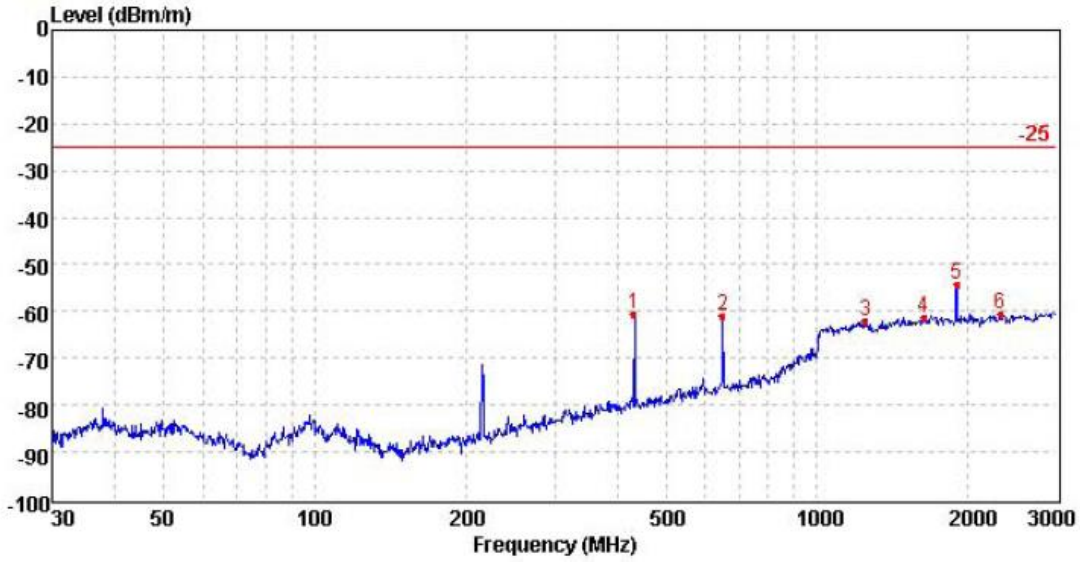
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	420.77	-58.70	28.57	2.40	28.99	-56.72	-25.00	-31.72	Peak
2	630.49	-58.37	31.78	3.03	28.90	-52.46	-25.00	-27.46	Peak
3	1243.00	-70.67	39.26	4.73	36.55	-63.23	-25.00	-38.23	Peak
4	1634.08	-71.71	40.34	5.64	36.79	-62.52	-25.00	-37.52	Peak
5	1989.20	-72.27	41.03	6.25	37.29	-62.28	-25.00	-37.28	Peak
6	2345.56	-72.38	41.98	6.68	37.75	-61.47	-25.00	-36.47	Peak

TX3			
Test Frequency:	CH_{H1}	Polarity:	Horizontal



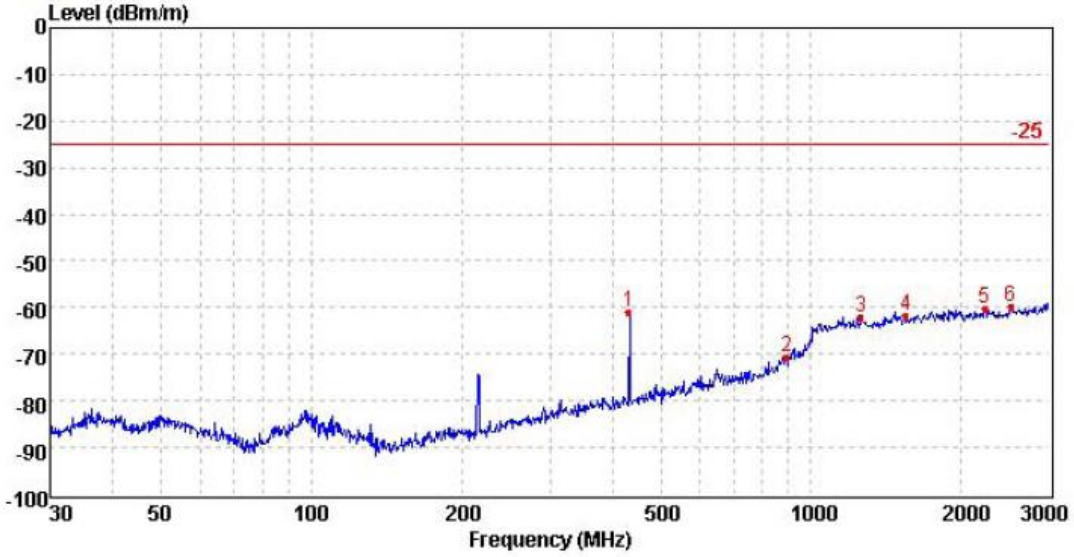
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	432.78	-58.29	28.75	2.44	29.00	-56.10	-25.00	-31.10	Peak
2	648.48	-66.77	31.84	3.10	28.79	-60.62	-25.00	-35.62	Peak
3	1251.22	-69.29	39.29	4.75	36.54	-61.79	-25.00	-36.79	Peak
4	1558.68	-70.29	40.18	5.45	36.67	-61.33	-25.00	-36.33	Peak
5	2058.11	-70.63	41.21	6.32	37.31	-60.41	-25.00	-35.41	Peak
6	2583.65	-54.12	42.53	6.90	37.84	-42.53	-25.00	-17.53	Peak

Test Frequency:	CH_{H1}	Polarity:	Vertical



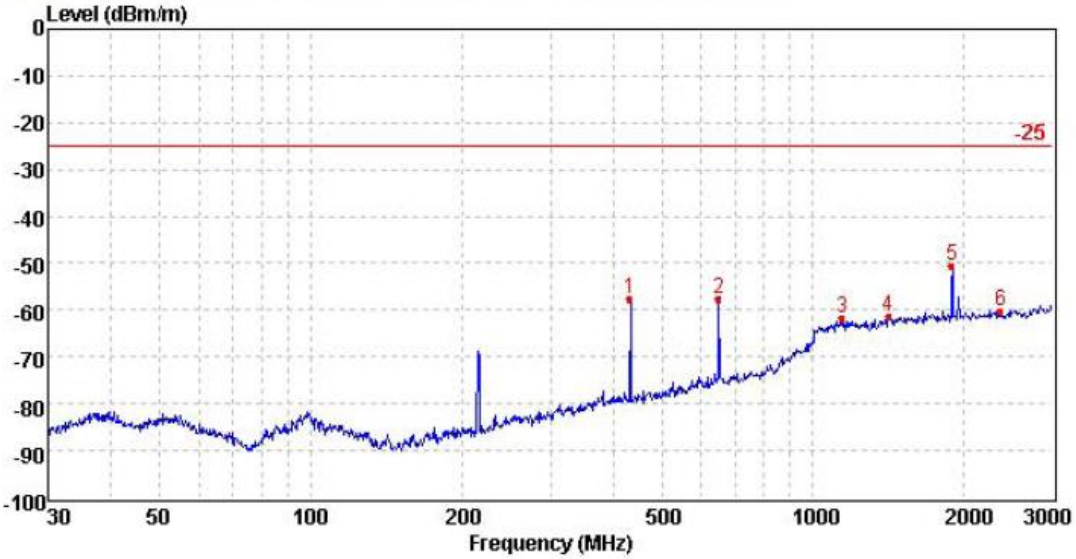
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	432.78	-62.83	28.75	2.44	29.00	-60.64	-25.00	-35.64	Peak
2	648.48	-66.94	31.84	3.10	28.79	-60.79	-25.00	-35.79	Peak
3	1248.47	-69.57	39.26	4.74	36.54	-62.11	-25.00	-37.11	Peak
4	1634.08	-70.55	40.34	5.64	36.79	-61.36	-25.00	-36.36	Peak
5	1899.50	-64.15	40.87	6.11	37.22	-54.39	-25.00	-29.39	Peak
6	2317.38	-71.61	41.90	6.63	37.67	-60.75	-25.00	-35.75	Peak

TX3			
Test Frequency:	CH_{L2}	Polarity:	Horizontal



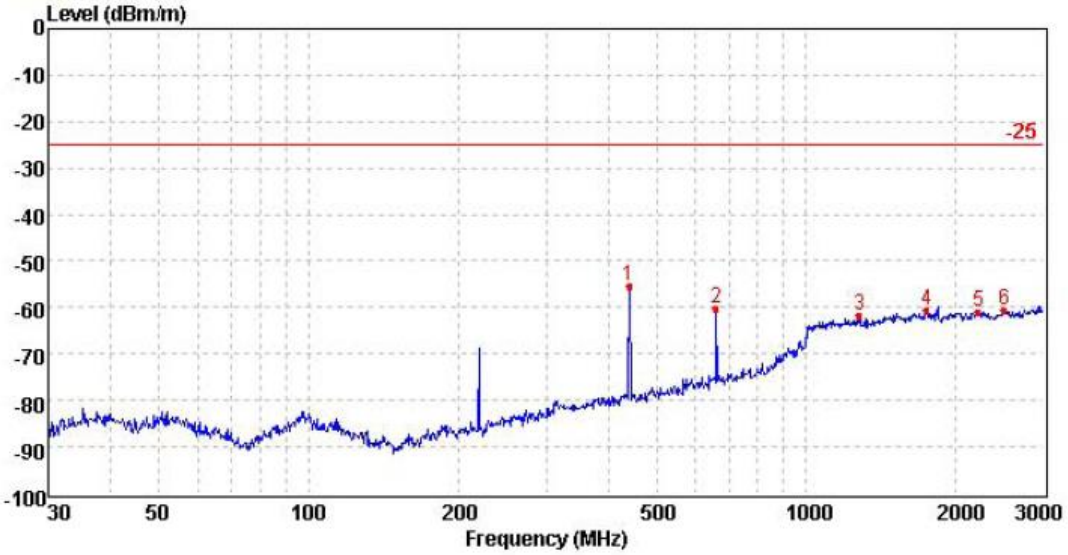
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	432.78	-63.23	28.75	2.44	29.00	-61.04	-25.00	-36.04	Peak
2	893.04	-81.59	35.09	3.73	27.79	-70.56	-25.00	-45.56	Peak
3	1258.11	-69.68	39.32	4.76	36.54	-62.14	-25.00	-37.14	Peak
4	1548.44	-70.63	40.15	5.42	36.65	-61.71	-25.00	-36.71	Peak
5	2229.97	-70.90	41.71	6.49	37.42	-60.12	-25.00	-35.12	Peak
6	2513.65	-71.26	42.40	6.85	37.87	-59.88	-25.00	-34.88	Peak

Test Frequency:	CH_{L2}	Polarity:	Vertical



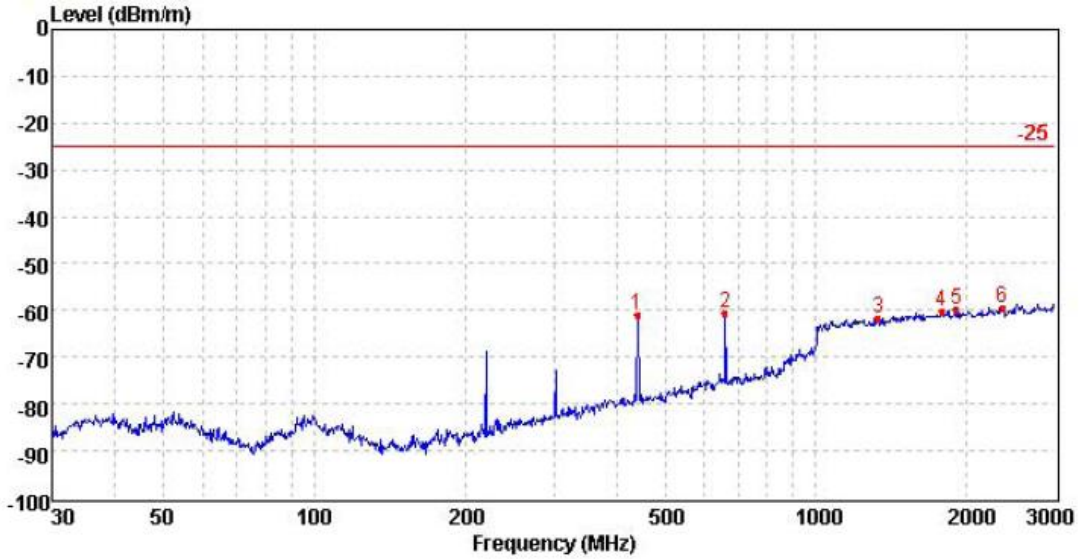
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	432.78	-59.86	28.75	2.44	29.00	-57.67	-25.00	-32.67	Peak
2	648.48	-63.69	31.84	3.10	28.79	-57.54	-25.00	-32.54	Peak
3	1144.69	-68.56	38.90	4.54	36.60	-61.72	-25.00	-36.72	Peak
4	1416.60	-69.84	39.82	5.05	36.48	-61.45	-25.00	-36.45	Peak
5	1895.33	-60.42	40.87	6.11	37.22	-50.66	-25.00	-25.66	Peak
6	2366.26	-71.10	42.06	6.71	37.81	-60.14	-25.00	-35.14	Peak

TX3			
Test Frequency:	CH_{H2}	Polarity:	Horizontal



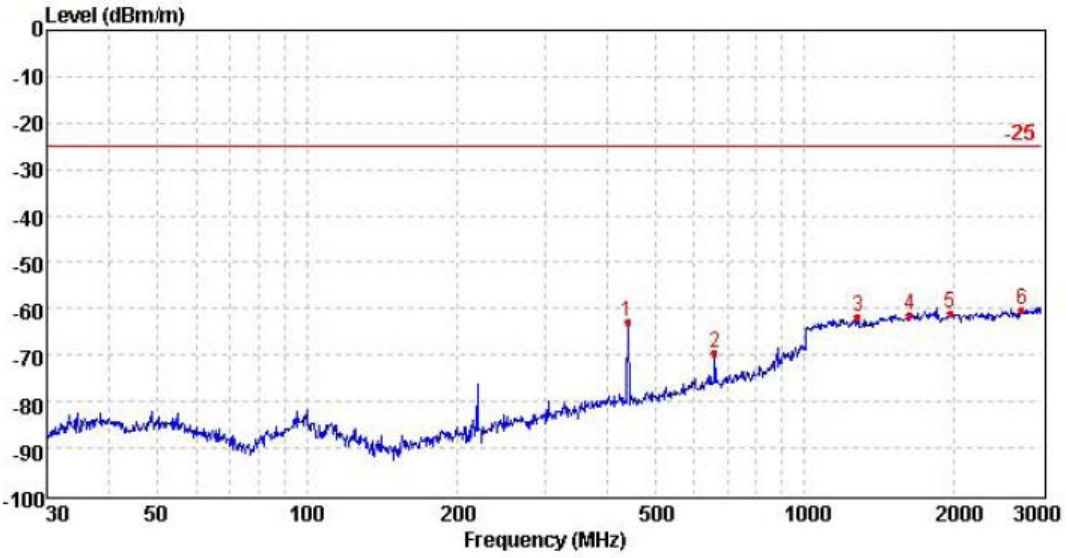
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-57.90	28.89	2.46	29.00	-55.55	-25.00	-30.55	Peak
2	659.98	-66.44	31.89	3.12	28.73	-60.16	-25.00	-35.16	Peak
3	1279.01	-69.32	39.37	4.79	36.53	-61.69	-25.00	-36.69	Peak
4	1749.26	-70.12	40.59	5.86	37.03	-60.70	-25.00	-35.70	Peak
5	2215.32	-71.89	41.67	6.47	37.38	-61.13	-25.00	-36.13	Peak
6	2497.14	-72.05	42.37	6.84	37.87	-60.71	-25.00	-35.71	Peak

Test Frequency:	CH_{H2}	Polarity:	Vertical



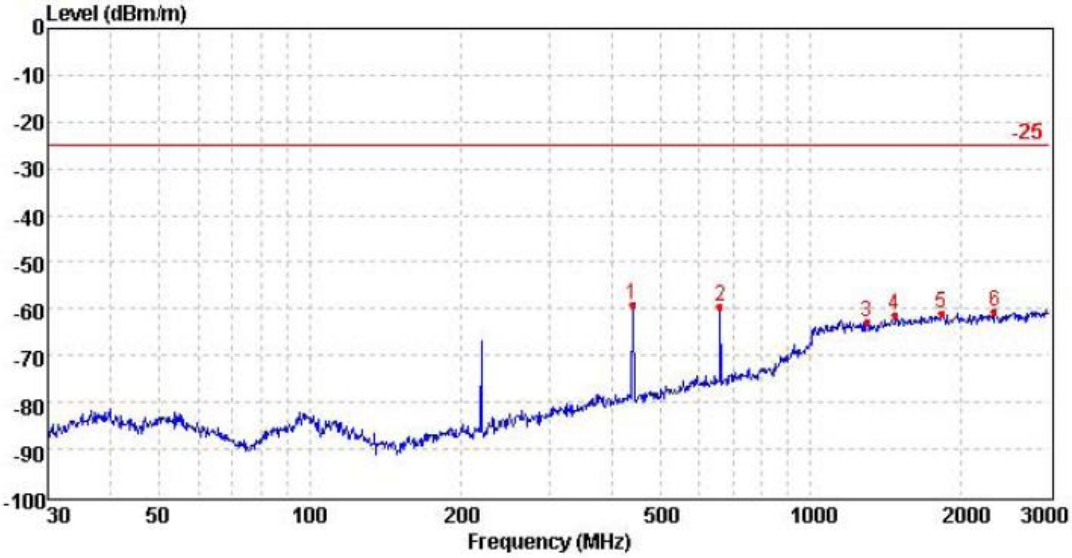
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-63.21	28.89	2.46	29.00	-60.86	-25.00	-35.86	Peak
2	659.98	-66.76	31.89	3.12	28.73	-60.48	-25.00	-35.48	Peak
3	1332.08	-69.64	39.54	4.88	36.50	-61.72	-25.00	-36.72	Peak
4	1784.20	-69.60	40.66	5.93	37.11	-60.12	-25.00	-35.12	Peak
5	1909.96	-69.55	40.89	6.13	37.23	-59.76	-25.00	-34.76	Peak
6	2353.30	-70.40	42.02	6.69	37.77	-59.46	-25.00	-34.46	Peak

TX3			
Test Frequency:	CH_{L3}	Polarity:	Horizontal



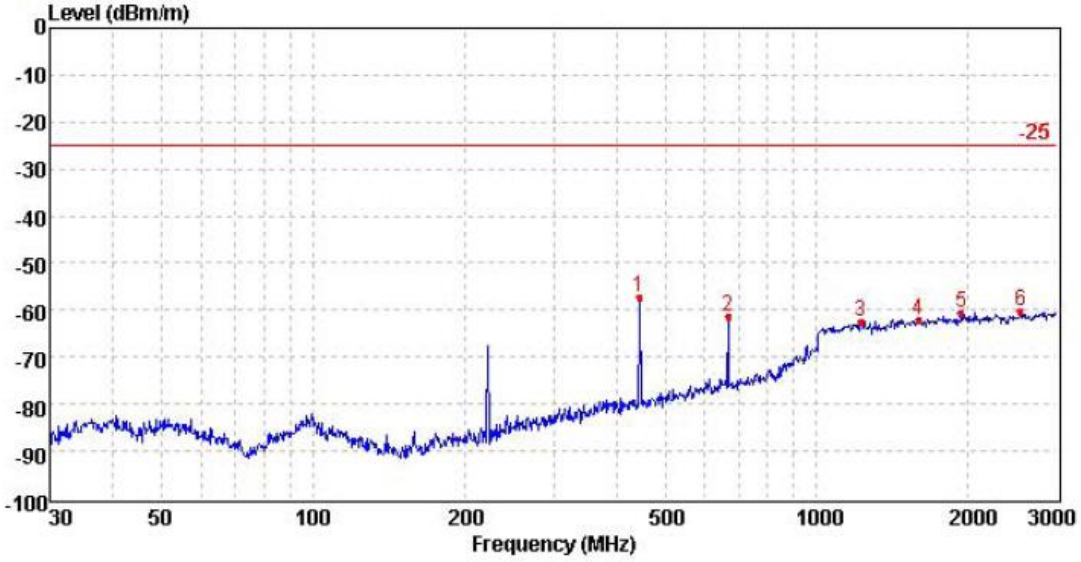
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-65.28	28.89	2.46	29.00	-62.93	-25.00	-37.93	Peak
2	659.98	-75.69	31.89	3.12	28.73	-69.41	-25.00	-44.41	Peak
3	1279.01	-69.32	39.37	4.79	36.53	-61.69	-25.00	-36.69	Peak
4	1628.70	-70.37	40.34	5.63	36.78	-61.18	-25.00	-36.18	Peak
5	1963.15	-71.01	40.98	6.21	37.27	-61.09	-25.00	-36.09	Peak
6	2732.54	-71.96	42.80	7.21	38.18	-60.13	-25.00	-35.13	Peak

Test Frequency:	CH_{L3}	Polarity:	Vertical



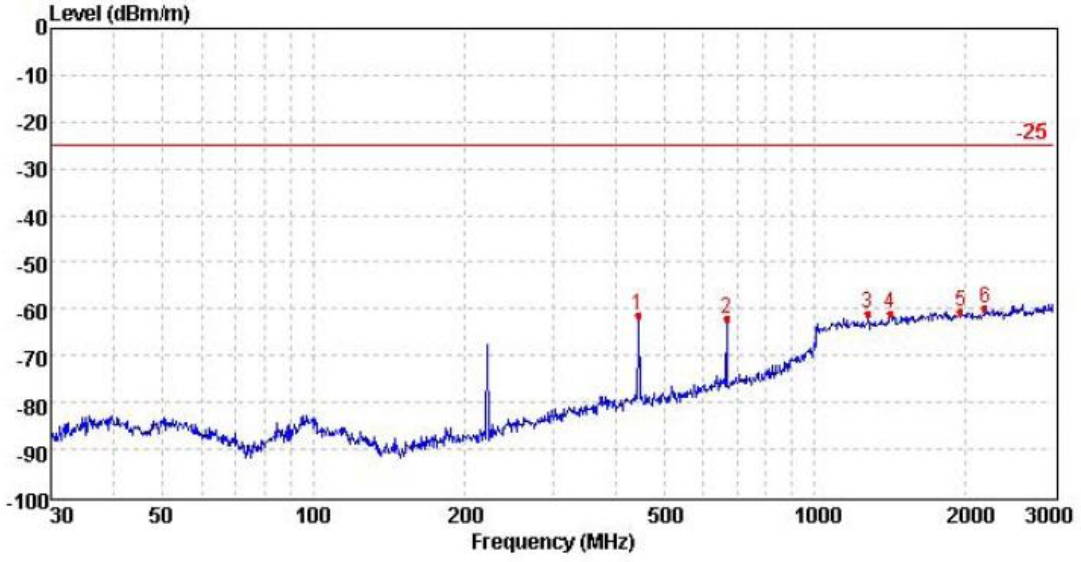
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	440.46	-61.46	28.89	2.46	29.00	-59.11	-25.00	-34.11	Peak
2	659.98	-65.68	31.89	3.12	28.73	-59.40	-25.00	-34.40	Peak
3	1294.56	-70.60	39.43	4.82	36.52	-62.87	-25.00	-37.87	Peak
4	1473.75	-69.89	39.98	5.21	36.56	-61.26	-25.00	-36.26	Peak
5	1827.85	-70.38	40.73	6.00	37.16	-60.81	-25.00	-35.81	Peak
6	2332.71	-71.32	41.94	6.66	37.71	-60.43	-25.00	-35.43	Peak

TX3			
Test Frequency:	CH_{H3}	Polarity:	Horizontal



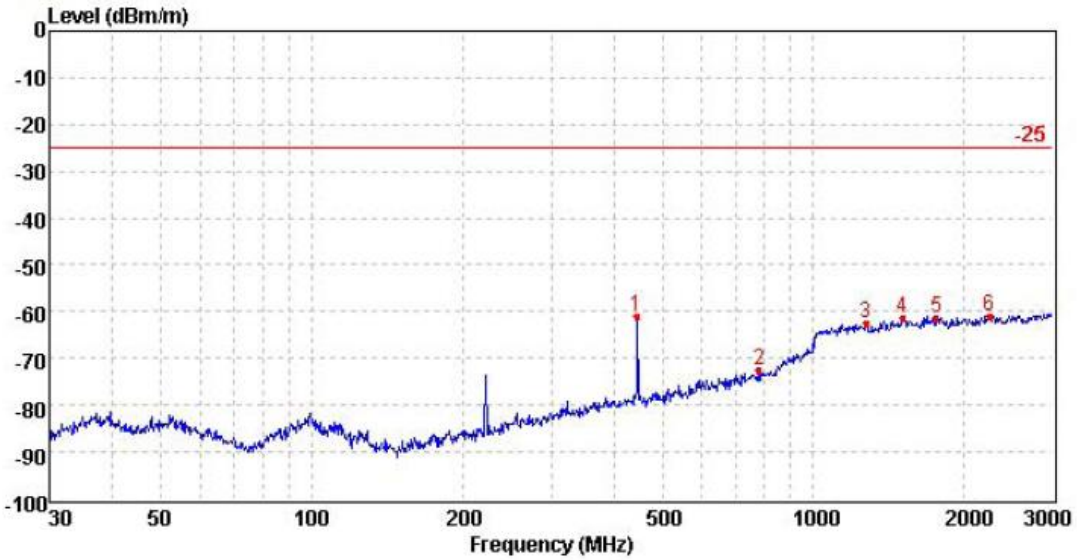
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-59.70	28.98	2.47	29.01	-57.26	-25.00	-32.26	Peak
2	666.98	-67.52	31.91	3.13	28.70	-61.18	-25.00	-36.18	Peak
3	1225.37	-69.68	39.20	4.70	36.56	-62.34	-25.00	-37.34	Peak
4	1595.06	-71.08	40.27	5.56	36.71	-61.96	-25.00	-36.96	Peak
5	1939.56	-70.31	40.94	6.18	37.25	-60.44	-25.00	-35.44	Peak
6	2538.63	-71.58	42.44	6.87	37.86	-60.13	-25.00	-35.13	Peak

Test Frequency:	CH_{H3}	Polarity:	Vertical



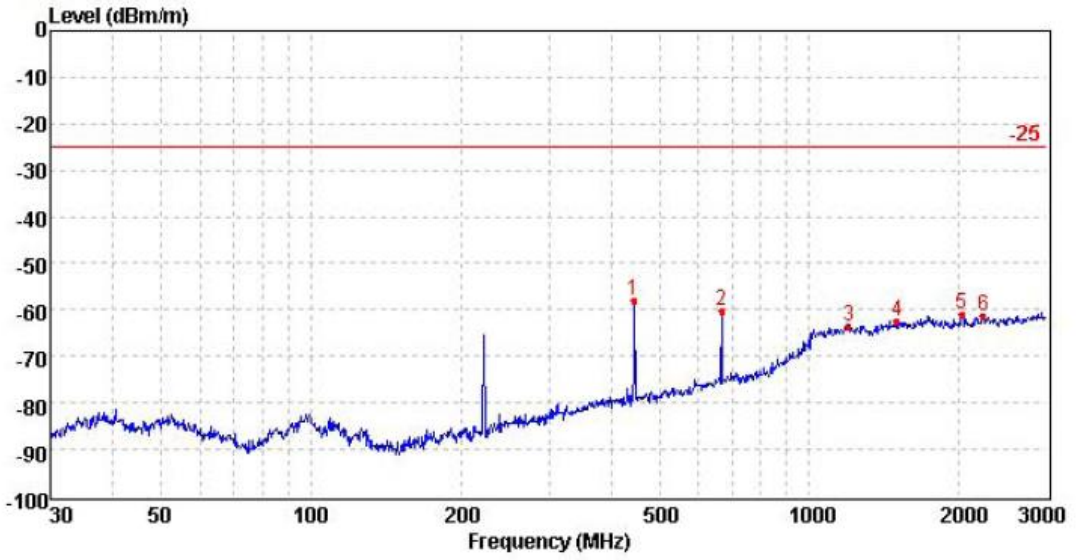
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-63.87	28.98	2.47	29.01	-61.43	-25.00	-36.43	Peak
2	666.98	-68.56	31.91	3.13	28.70	-62.22	-25.00	-37.22	Peak
3	1274.81	-68.49	39.37	4.79	36.53	-60.86	-25.00	-35.86	Peak
4	1416.60	-69.31	39.82	5.05	36.48	-60.92	-25.00	-35.92	Peak
5	1950.25	-70.54	40.96	6.19	37.26	-60.65	-25.00	-35.65	Peak
6	2186.30	-70.48	41.59	6.43	37.34	-59.80	-25.00	-34.80	Peak

TX3			
Test Frequency:	CH_{L4}	Polarity:	Horizontal



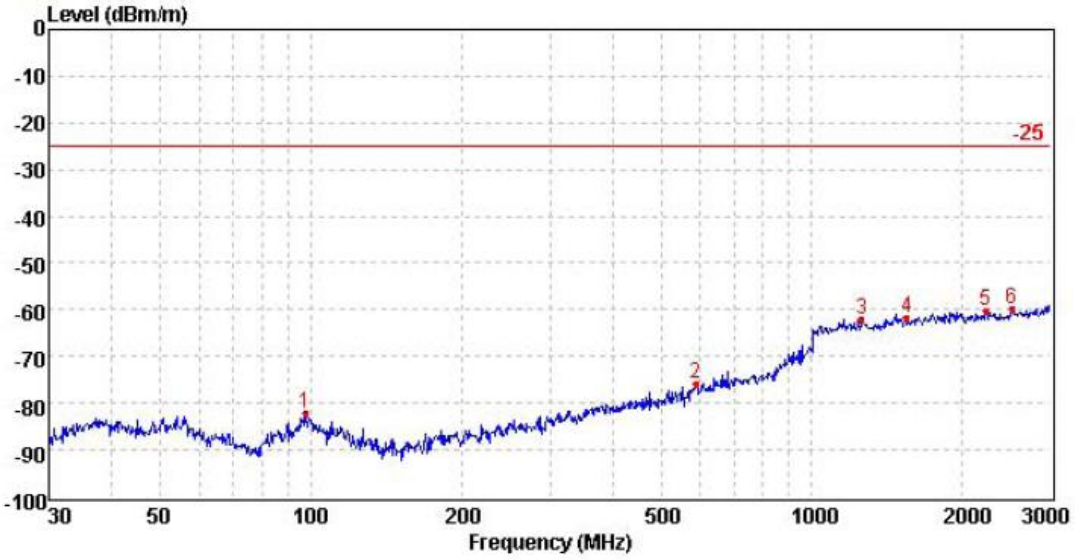
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-63.32	28.98	2.47	29.01	-60.88	-25.00	-35.88	Peak
2	781.33	-80.20	33.03	3.42	28.88	-72.63	-25.00	-47.63	Peak
3	1273.41	-69.97	39.34	4.78	36.53	-62.38	-25.00	-37.38	Peak
4	1504.84	-70.09	40.06	5.30	36.60	-61.33	-25.00	-36.33	Peak
5	1762.77	-70.67	40.61	5.89	37.06	-61.23	-25.00	-36.23	Peak
6	2242.25	-71.54	41.71	6.51	37.46	-60.78	-25.00	-35.78	Peak

Test Frequency:	CH_{L4}	Polarity:	Vertical



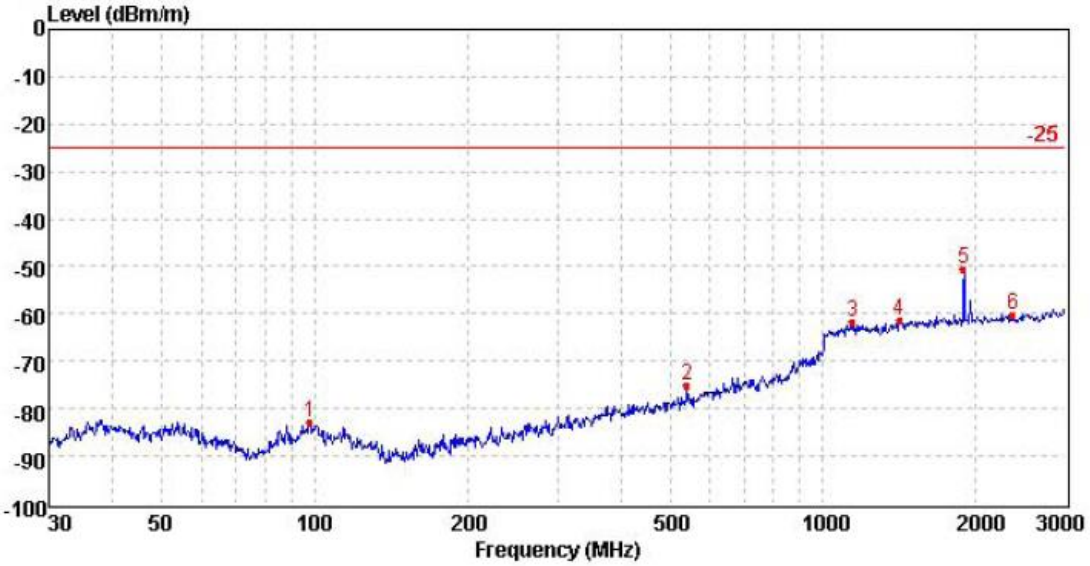
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	445.13	-60.53	28.98	2.47	29.01	-58.09	-25.00	-33.09	Peak
2	666.98	-66.67	31.91	3.13	28.70	-60.33	-25.00	-35.33	Peak
3	1198.74	-70.58	39.09	4.66	36.57	-63.40	-25.00	-38.40	Peak
4	1501.53	-71.20	40.04	5.29	36.59	-62.46	-25.00	-37.46	Peak
5	2028.93	-71.11	41.13	6.29	37.31	-61.00	-25.00	-36.00	Peak
6	2234.87	-72.26	41.71	6.50	37.44	-61.49	-25.00	-36.49	Peak

TX3			
Test Frequency:	CH_{H4}	Polarity:	Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	97.44	-79.90	25.76	1.13	29.08	-82.09	-25.00	-57.09	Peak
2	587.67	-81.01	31.45	2.86	29.14	-75.84	-25.00	-50.84	Peak
3	1258.11	-69.68	39.32	4.76	36.54	-62.14	-25.00	-37.14	Peak
4	1548.44	-70.63	40.15	5.42	36.65	-61.71	-25.00	-36.71	Peak
5	2229.97	-70.90	41.71	6.49	37.42	-60.12	-25.00	-35.12	Peak
6	2513.65	-71.26	42.40	6.85	37.87	-59.88	-25.00	-34.88	Peak

Test Frequency:	CH_{H4}	Polarity:	Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	97.78	-80.86	25.76	1.14	29.09	-83.05	-25.00	-58.05	Peak
2	540.11	-79.05	30.56	2.72	29.23	-75.00	-25.00	-50.00	Peak
3	1144.69	-68.56	38.90	4.54	36.60	-61.72	-25.00	-36.72	Peak
4	1416.60	-69.84	39.82	5.05	36.48	-61.45	-25.00	-36.45	Peak
5	1895.33	-60.42	40.87	6.11	37.22	-50.66	-25.00	-25.66	Peak
6	2366.26	-71.10	42.06	6.71	37.81	-60.14	-25.00	-35.14	Peak

5.10. Conducted Emissions

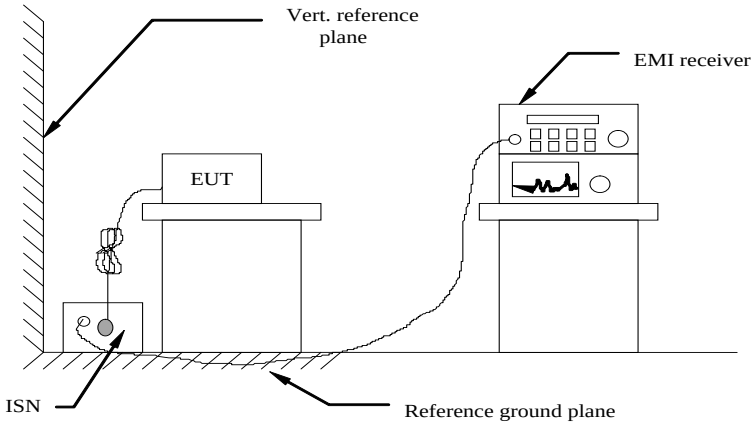
The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm / 50 u Henry as specified by section 5.1 of ANSI C63.4-2014. Cables and peripherals were moved to find the maximum emission levels for each frequency.

Limit

FCC part 15.107(a)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

TEST CONFIGURATION



TEST PROCEDURE

1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2014.
2 Support equipment, if needed, was placed as per ANSI C63.4-2014.
3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2014.
4 If a EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5 All support equipments received AC power from a second LISN, if any
6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7 Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8 During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

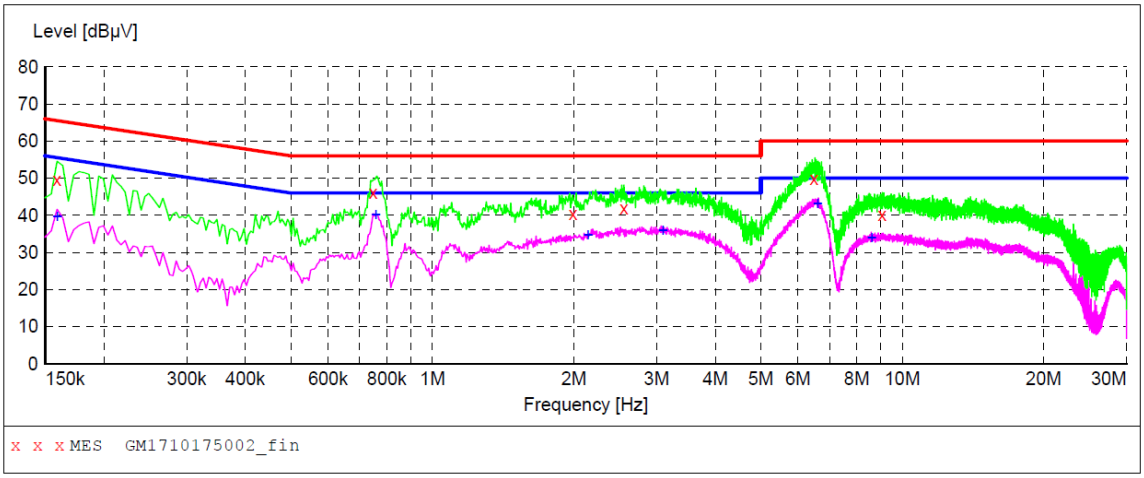
Please reference to the section 3.4

TEST RESULTS

Have pre-tested RX1 to RX3 mode, record the worst case mode RX1 on the report.

☒ **Passed** ☐ **Not Applicable**

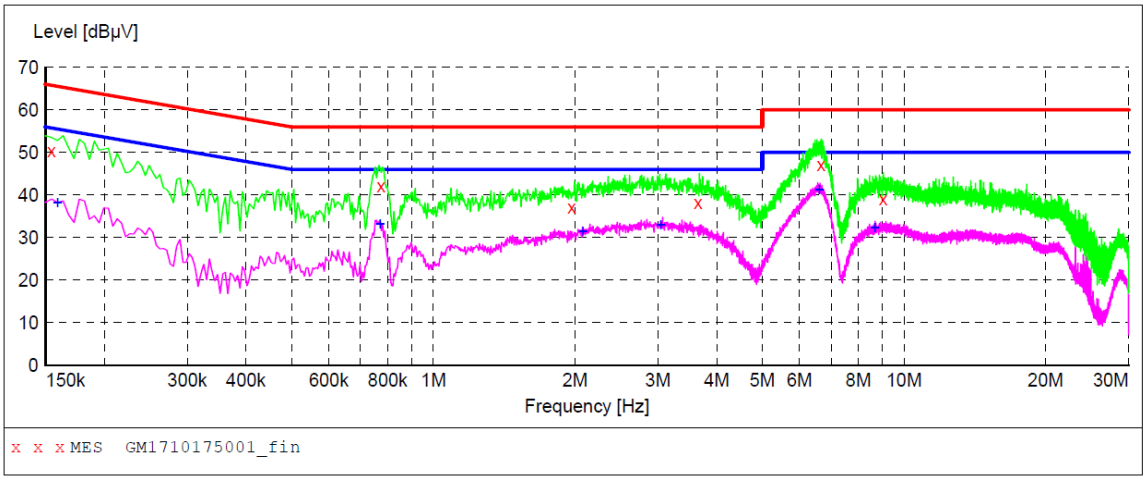
Test Mode:	RX1	Line:	L



Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159000	49.50	10.4	66	16.0	QP	L1	GND
0.748500	46.10	10.2	56	9.9	QP	L1	GND
1.995000	40.40	10.2	56	15.6	QP	L1	GND
2.557500	41.90	10.2	56	14.1	QP	L1	GND
6.490500	49.70	10.3	60	10.3	QP	L1	GND
9.064500	40.20	10.5	60	19.8	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159000	39.60	10.4	56	15.9	AV	L1	GND
0.757500	40.20	10.2	46	5.8	AV	L1	GND
2.143500	34.60	10.2	46	11.4	AV	L1	GND
3.093000	36.00	10.2	46	10.0	AV	L1	GND
6.598500	43.10	10.3	50	6.9	AV	L1	GND
8.610000	33.90	10.5	50	16.1	AV	L1	GND

Test Mode:	RX1	Line:	N



Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.154500	50.30	10.4	66	15.5	QP	N	GND
0.775500	42.20	10.2	56	13.8	QP	N	GND
1.968000	37.20	10.2	56	18.8	QP	N	GND
3.655500	38.20	10.3	56	17.8	QP	N	GND
6.670500	47.00	10.3	60	13.0	QP	N	GND
9.037500	39.10	10.5	60	20.9	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159000	38.10	10.4	56	17.4	AV	N	GND
0.771000	33.10	10.2	46	12.9	AV	N	GND
2.076000	31.50	10.2	46	14.5	AV	N	GND
3.043500	32.90	10.2	46	13.1	AV	N	GND
6.603000	41.20	10.3	50	8.8	AV	N	GND
8.673000	32.30	10.5	50	17.7	AV	N	GND

5.11. Radiated Emission

LIMIT

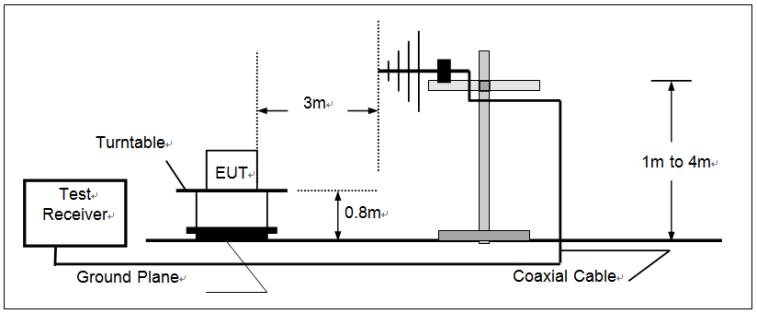
For unintentional device, according to § 15.109(a) except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

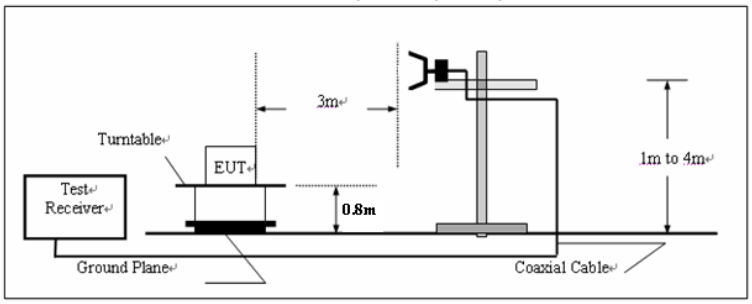
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

TEST CONFIGURATION

(A) Radiated Emission Test Set-Up, Frequency below 1000MHz



(B) Radiated Emission Test Set-Up, Frequency above 1000MHz



TEST PROCEDURE

1 The EUT was placed on a turn table which is 0.8m above ground plane.
2 Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT
3 And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4 Repeat above procedures until all frequency measurements have been completed.

TEST MODE:

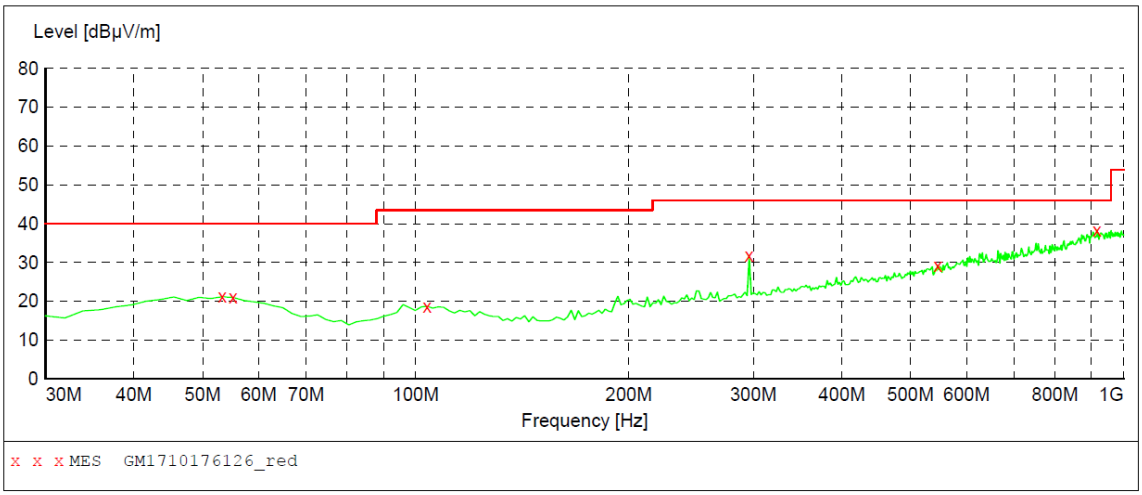
Please reference to the section 3.4

TEST RESULTS

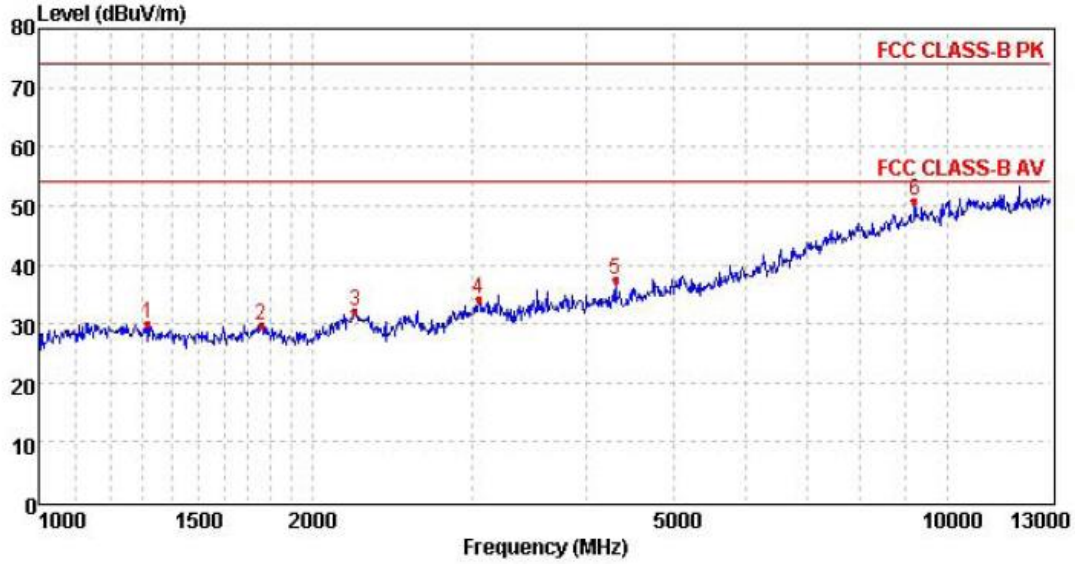
☒ **Passed** ☐ **Not Applicable**

Note:
1. The EUT shall be scanned from 30 MHz to the 5th harmonic of the highest oscillator frequency in the digital devices or 1 GHz whichever is higher.
2. Have pre-tested RX1 to RX3 mode, record the worst case mode RX1 on the report.

Test Mode:	RX1	Polarity:	Horizontal

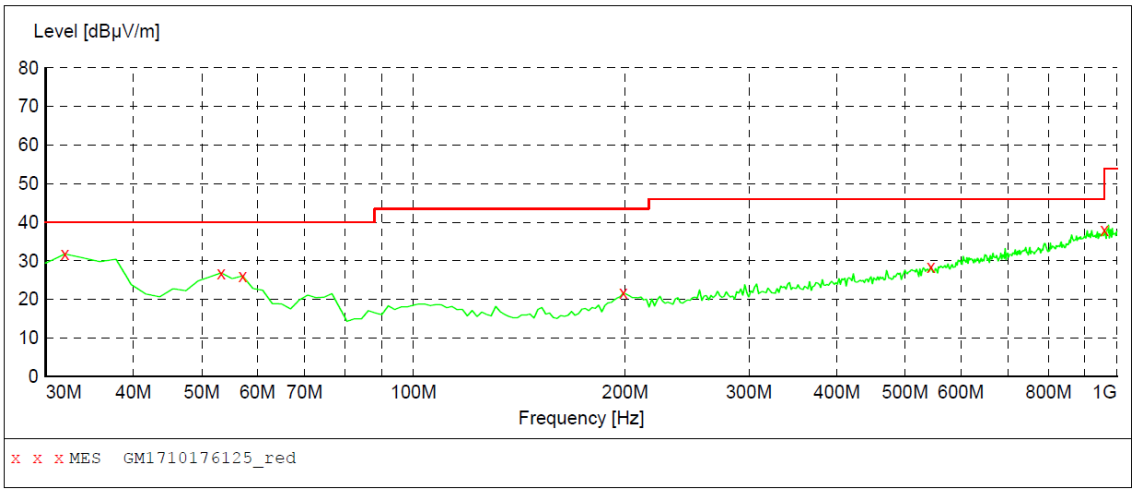


Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	21.20	-9.0	40.0	18.8	QP	100.0	253.00	HORIZONTAL
55.220000	21.00	-9.2	40.0	19.0	QP	300.0	267.00	HORIZONTAL
103.720000	18.70	-10.5	43.5	24.8	QP	100.0	132.00	HORIZONTAL
295.780000	31.80	-7.3	46.0	14.2	QP	100.0	91.00	HORIZONTAL
546.040000	29.30	-0.8	46.0	16.7	QP	100.0	52.00	HORIZONTAL
916.580000	38.40	6.9	46.0	7.6	QP	100.0	321.00	HORIZONTAL

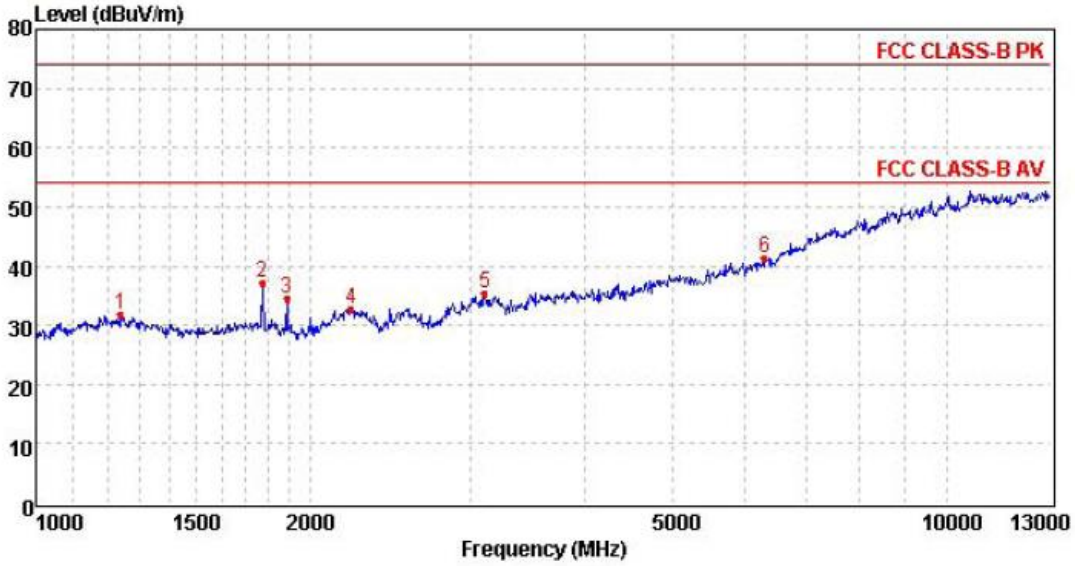


Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1319.19	35.40	26.14	4.86	36.50	29.90	74.00	-44.10	Peak
2	1758.20	35.54	25.32	5.88	37.05	29.69	74.00	-44.31	Peak
3	2226.13	35.27	27.66	6.48	37.41	32.00	74.00	-42.00	Peak
4	3051.87	36.15	28.70	7.54	38.22	34.17	74.00	-39.83	Peak
5	4314.67	35.88	30.24	9.05	37.60	37.57	74.00	-36.43	Peak
6	9195.20	34.59	38.58	13.50	35.82	50.85	74.00	-23.15	Peak

Test Mode:	RX1	Polarity:	Vertical



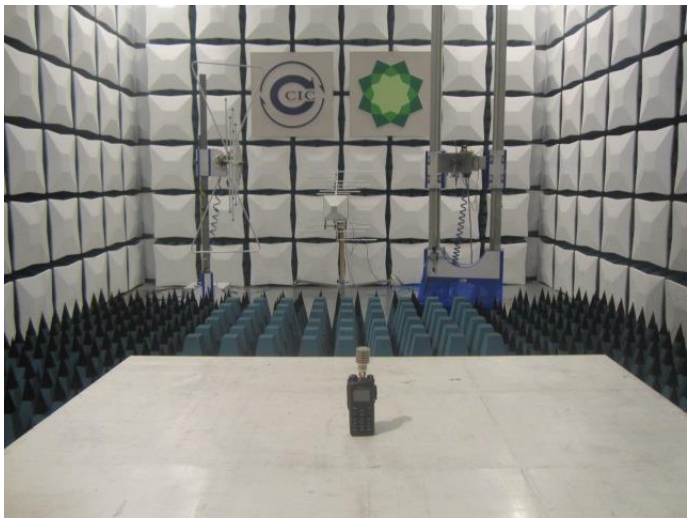
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
31.940000	31.80	-13.2	40.0	8.2	QP	100.0	157.00	VERTICAL
53.280000	26.90	-9.0	40.0	13.1	QP	100.0	50.00	VERTICAL
57.160000	26.10	-9.4	40.0	13.9	QP	100.0	91.00	VERTICAL
198.780000	21.70	-9.8	43.5	21.8	QP	100.0	248.00	VERTICAL
544.100000	28.50	-0.9	46.0	17.5	QP	100.0	91.00	VERTICAL
959.260000	38.10	7.3	46.0	7.9	QP	100.0	39.00	VERTICAL



Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1240.43	37.42	26.26	4.73	36.55	31.86	74.00	-42.14	Peak
2	1771.78	42.88	25.34	5.90	37.08	37.04	74.00	-36.96	Peak
3	1884.27	40.28	25.32	6.09	37.21	34.48	74.00	-39.52	Peak
4	2220.43	35.96	27.62	6.47	37.40	32.65	74.00	-41.35	Peak
5	3107.16	37.14	28.80	7.61	38.21	35.34	74.00	-38.66	Peak
6	6306.83	32.54	33.11	11.00	35.30	41.35	74.00	-32.65	Peak

6. Test Setup Photos of the EUT

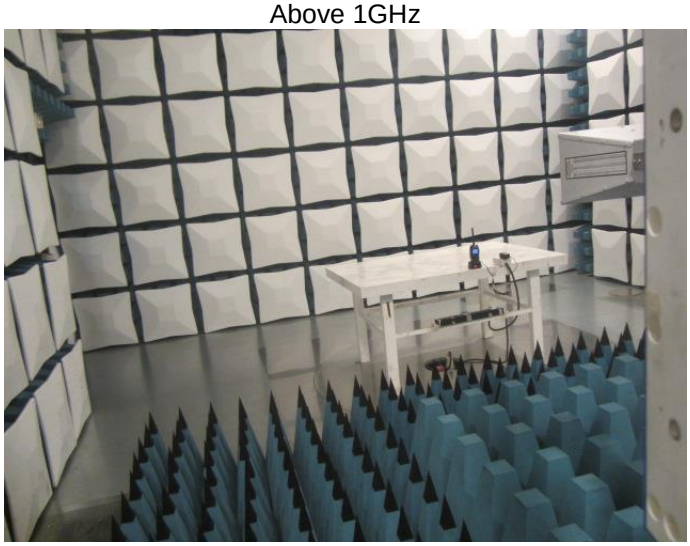
Transmitter Radiated Spurious Emission:



Radiated Emission:

30MHz-1GHz

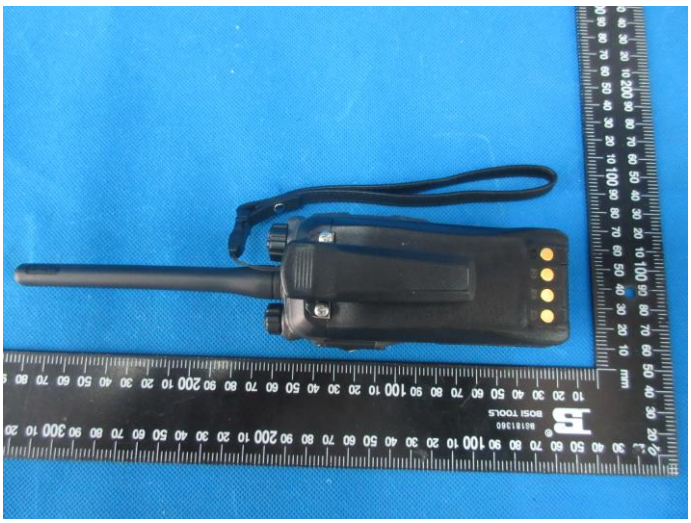
Above 1GHz

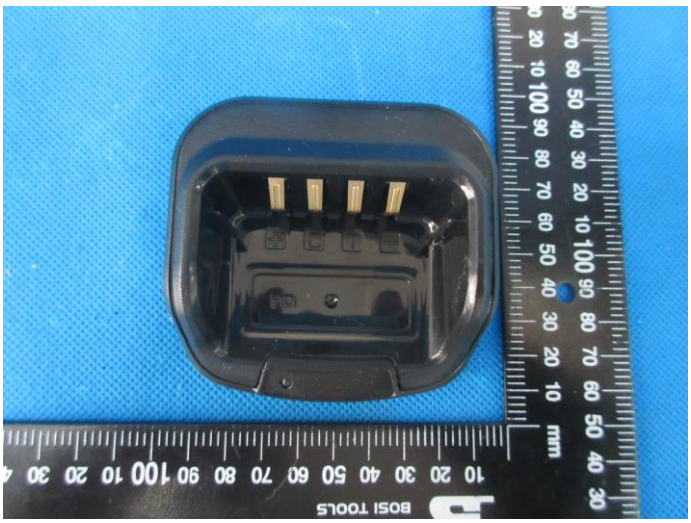


Frequency stability:

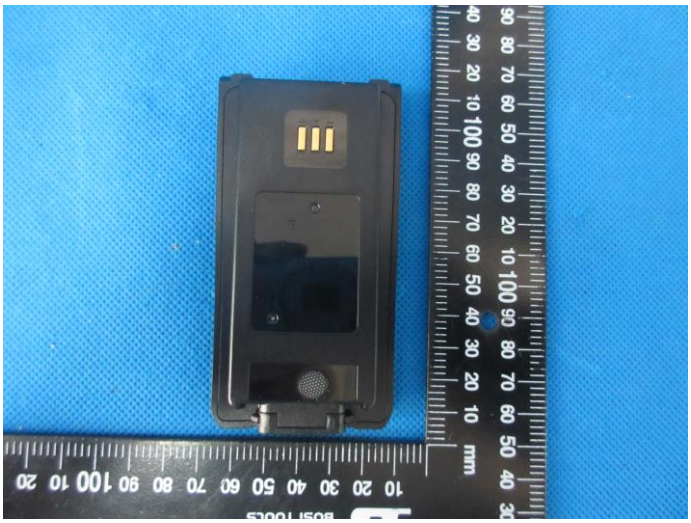
7. External and Internal Photos of the EUT

External Photos of the EUT

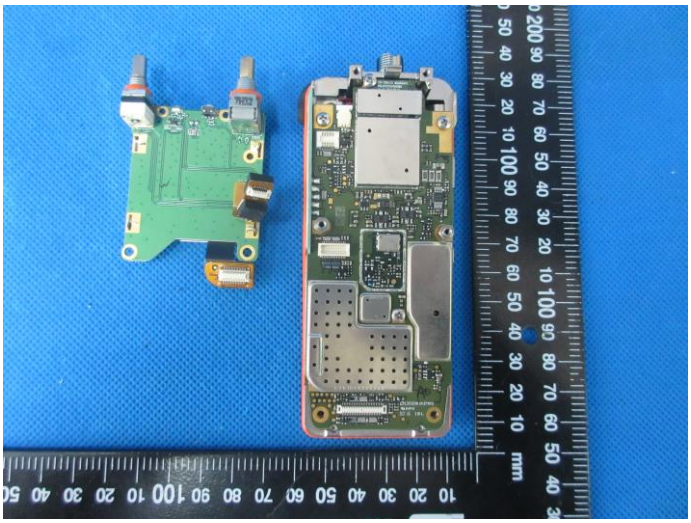


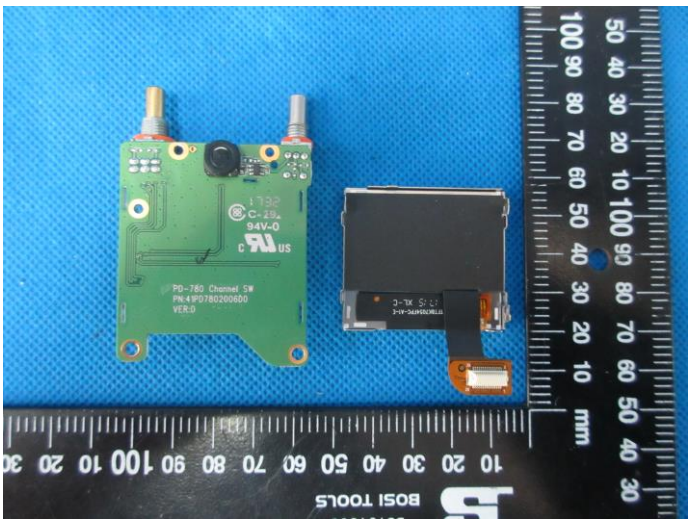


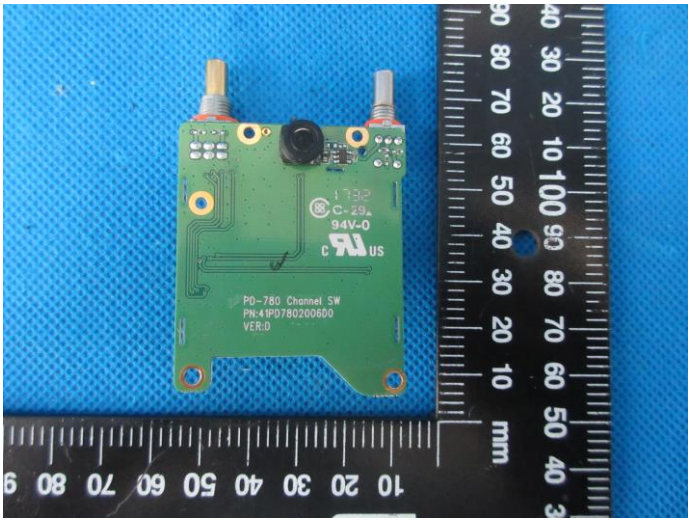
Internal Photos of the EUT

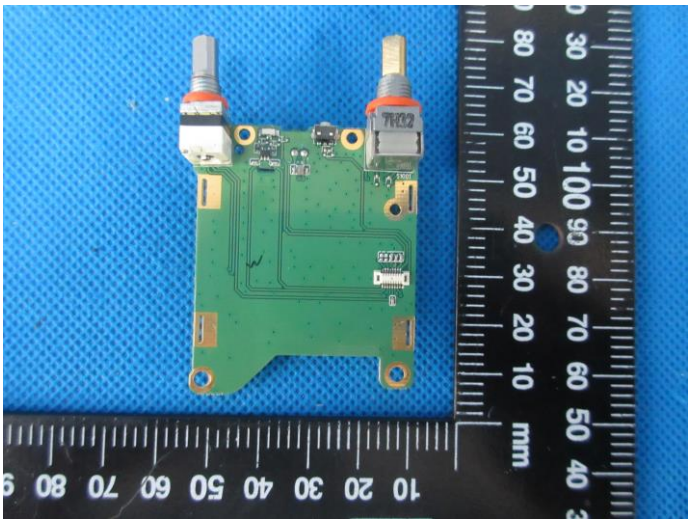


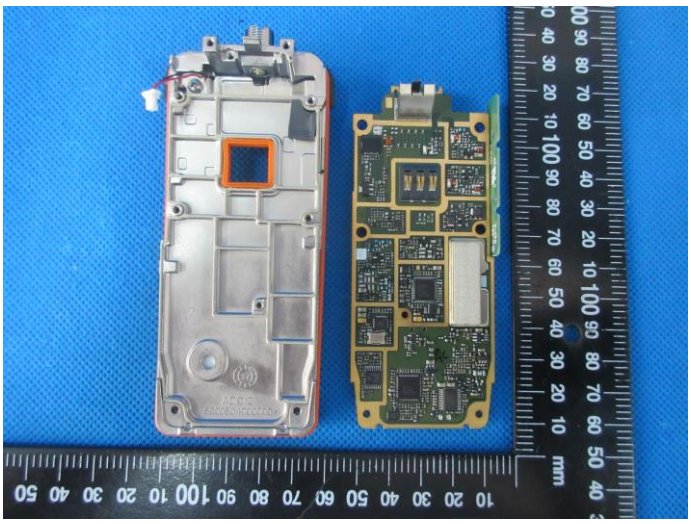

2110
1W

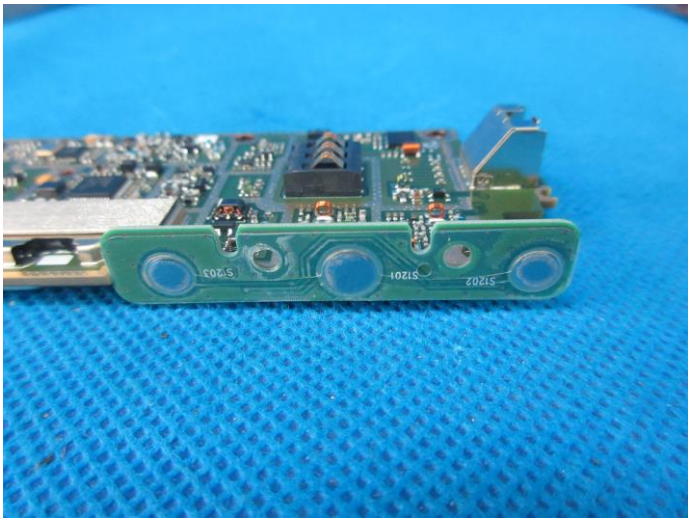


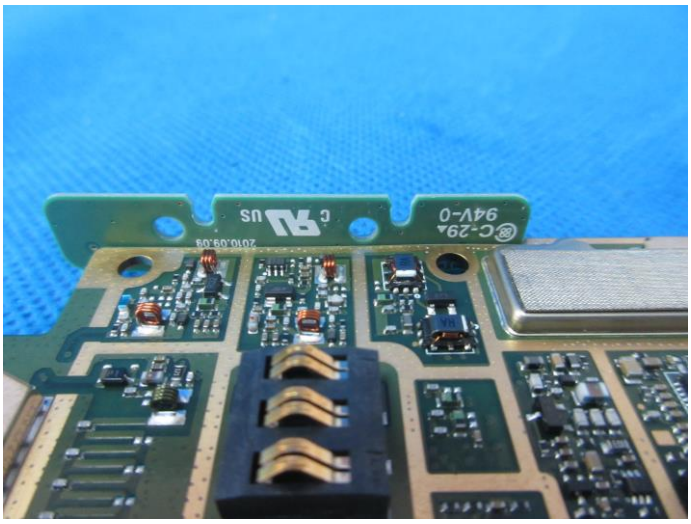

PD-780 Channel SW
PN:41PD7802006D0
VER:D
94V-0
BOSI TOOLS

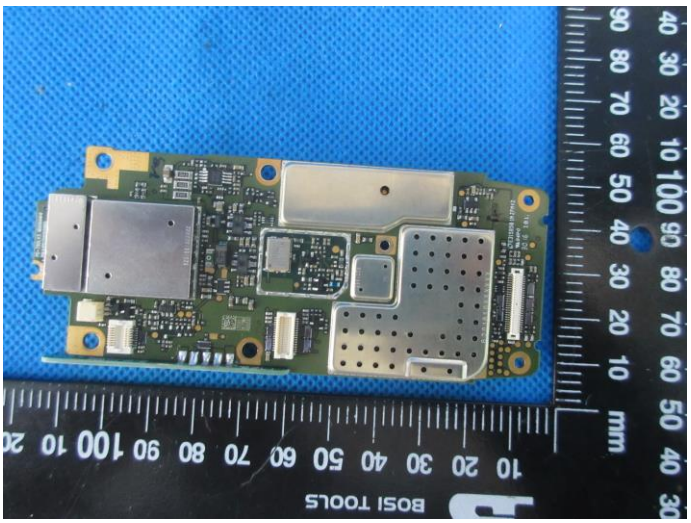

PD-780 Channel SW
PN:41PD7802006D0
VER:D
94V-0

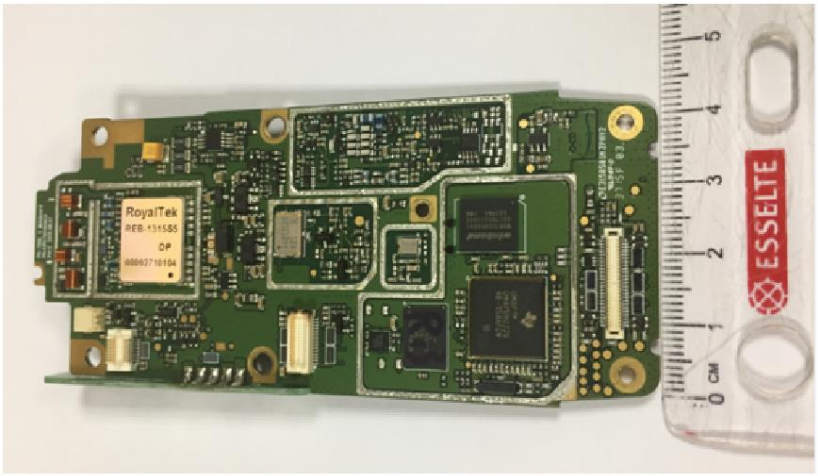


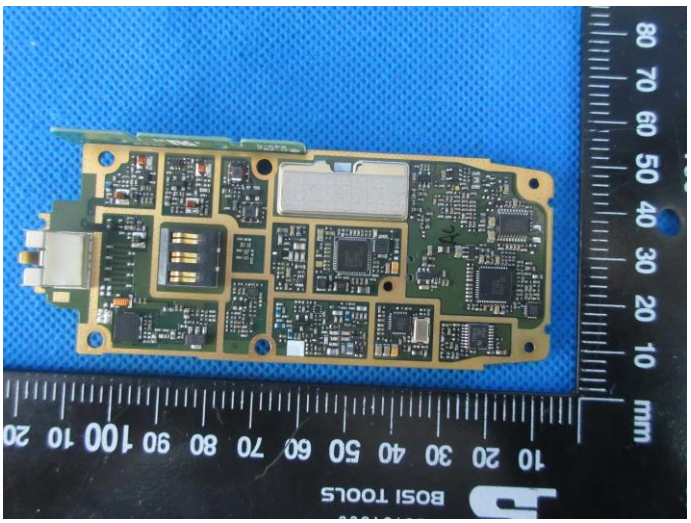


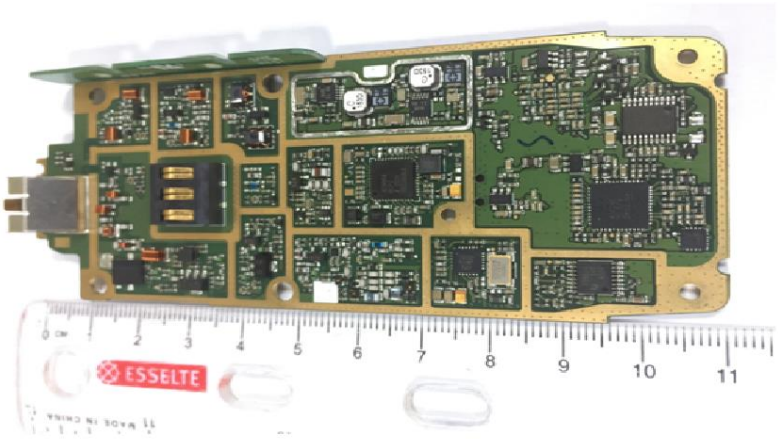





BOSI TOOLS


RoyalTek
ESSELTE


BOSI TOOLS



----------End of Report----------