Appendix A: Transmitter Output Power

1 Result Table

1.1 Channel Power, Total

NOTE 1: If applicable, the EIRP [W] = 10 ^ ((Channel Power [dBm] + Antenna Gain [dBi]) / 10 - 3), and the ERP [W] = EIRP [W] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

EUT Conf.	Channel Power [dBm]	Total Channel Power [W]	Offset from Rated [dB]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
1L5M_B	47.83	60.67	0.03	---	---	---	Pass
1L5M_M	47.73	59.29	-0.07	---	---	---	Pass
1L5M_T	47.63	57.94	-0.17	---	---	---	Pass
1L10M_B	47.61	57.68	-0.19	---	---	---	Pass
1L10M_M	47.5	56.23	-0.30	---	---	---	Pass
1L10M_T	47.57	57.15	-0.23	---	---	---	Pass
1L15M_B	47.82	60.53	0.02	---	---	---	Pass
1L15M_M	47.63	57.94	-0.17	---	---	---	Pass
1L15M_T	47.57	57.15	-0.23	---	---	---	Pass
1L20M_B	47.57	57.15	-0.23	---	---	---	Pass
1L20M_M	47.55	56.89	-0.25	---	---	---	Pass
1L20M_T	47.48	55.98	-0.32	---	---	---	Pass
1U_B	48.01	63.24	0.21	---	---	---	Pass
1U_M	47.63	57.94	-0.17	---	---	---	Pass
1U_T	47.79	60.12	-0.01	---	---	---	Pass
2U_20_B	43.74,44.47	51.65	-0.67	---	---	---	Pass
2U_20_M	44.12,44.09	51.47	-0.68	---	---	---	Pass
2U_20_T	43.94,43.82	48.87	-0.91	---	---	---	Pass
3U_20_B	41.99,42.35,42.59	51.15	-0.71	---	---	---	Pass
3U_20_M	42.33,42.08,42.23	49.95	-0.81	---	---	---	Pass
3U_20_T	42.2,42.07,42.15	49.11	-0.89	---	---	---	Pass
4U_20_B	40.52,40.67,41.99,41.61	53.24	-0.54	---	---	---	Pass
4U_20_M	40.8,40.64,40.64,41.02	47.85	-1.00	---	---	---	Pass
4U_20_T	41.03,40.84,40.91,41	49.73	-0.83	---	---	---	Pass
2U_25_B	44.03,44.63	54.33	-0.45	---	---	---	Pass
2U_25_M	44.27,44.36	54.02	-0.47	---	---	---	Pass
2U_25_T	44.01,44.13	51.06	-0.72	---	---	---	Pass
3U_25_B	42.08,42.31,42.89	52.62	-0.59	---	---	---	Pass
3U_25_M	42.39,42.24,42.39	51.43	-0.69	---	---	---	Pass

EUT Conf.	Channel Power [dBm]	Total Channel Power [W]	Offset from Rated [dB]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
3U_25_T	41.93,42.13,42.05	47.96	-0.99	---	---	---	Pass
4U_25_B	40.62,40.72,41.57,41.46	51.69	-0.67	---	---	---	Pass
4U_25_M	40.4,40.33,40.58,40.89	45.46	-1.22	---	---	---	Pass
4U_25_T	40.84,40.8,40.96,40.52	47.90	-1.00	---	---	---	Pass
1U1L5M_30+30_B	44.81,45	61.89	0.12	---	---	---	Pass
1U1L5M_30+30_M	45.01,44.64	60.80	0.04	---	---	---	Pass
1U1L5M_30+30_T	44.77,44.79	60.12	-0.01	---	---	---	Pass
1U1L10M_30+30_B	44.79,44.88	60.89	0.05	---	---	---	Pass
1U1L10M_30+30_M	44.76,44.46	57.85	-0.18	---	---	---	Pass
1U1L10M_30+30_T	44.55,44.78	58.57	-0.12	---	---	---	Pass
1U1L15M_30+30_B	44.47,44.81	58.26	-0.15	---	---	---	Pass
1U1L15M_30+30_M	44.75,44.56	58.43	-0.13	---	---	---	Pass
1U1L15M_30+30_T	44.58,44.53	57.09	-0.23	---	---	---	Pass
1U1L5M_20+40_B	43.12,46.22	62.39	0.15	---	---	---	Pass
1U1L5M_20+40_M	43.25,45.88	59.86	-0.03	---	---	---	Pass
1U1L5M_20+40_T	45.94,43.02	59.31	-0.07	---	---	---	Pass
1U1L10M_20+40_B	43.03,46.12	61.02	0.05	---	---	---	Pass
1U1L10M_20+40_M	43.15,45.71	57.89	-0.17	---	---	---	Pass
1U1L10M_20+40_T	45.76,43.07	57.95	-0.17	---	---	---	Pass
1U1L15M_20+40_B	42.9,46.05	59.77	-0.04	---	---	---	Pass
1U1L15M_20+40_M	43.25,45.8	59.15	-0.08	---	---	---	Pass
1U1L15M_20+40_T	45.77,43.03	57.85	-0.18	---	---	---	Pass

1.2 Power Spectral Density

NOTE 1: If applicable, the EIRP [W/MHz] = 10 ^ ((Power Spectral Density [dBm/MHz] + Antenna Gain [dBi]) / 10 - 3), and the ERP [W/MHz] = EIRP [W/MHz] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

EUT Conf.	Power Spectral Density [dBm/MHz]	Antenna Gain [dBi]	EIRP [W/MHz]	ERP [W/MHz]	Verdict
1L5M_B	41.88	17	772.68	471.15	Pass
1L5M_M	41.71	17	743.02	453.06	Pass
1L5M_T	41.75	17	749.89	457.25	Pass
1U_B	42.69	17	931.11	567.75	Pass
1U_M	42.41	17	872.97	532.30	Pass
1U_T	42.57	17	905.73	552.28	Pass

1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio@0.1% [dB]	Verdict
1L5M_B	6.51	Pass
1L5M_M	6.51	Pass
1L5M_T	6.54	Pass
1U_B	5.93	Pass
1U_M	5.93	Pass
1U_T	5.90	Pass

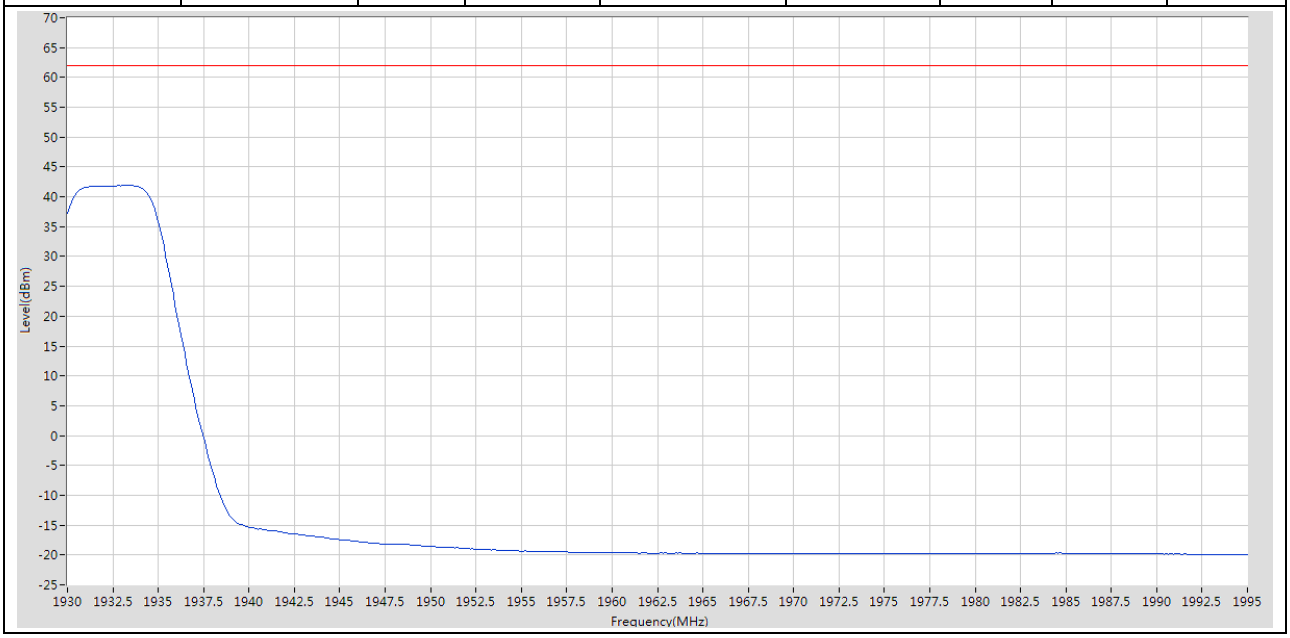
2 Test Plot

NOTE: Only the test plots for the measurements of Spectral Density and Peak-to-Average Ratio are supplied.

2.1 Power Spectral Density

2.1.1 1L5M_B

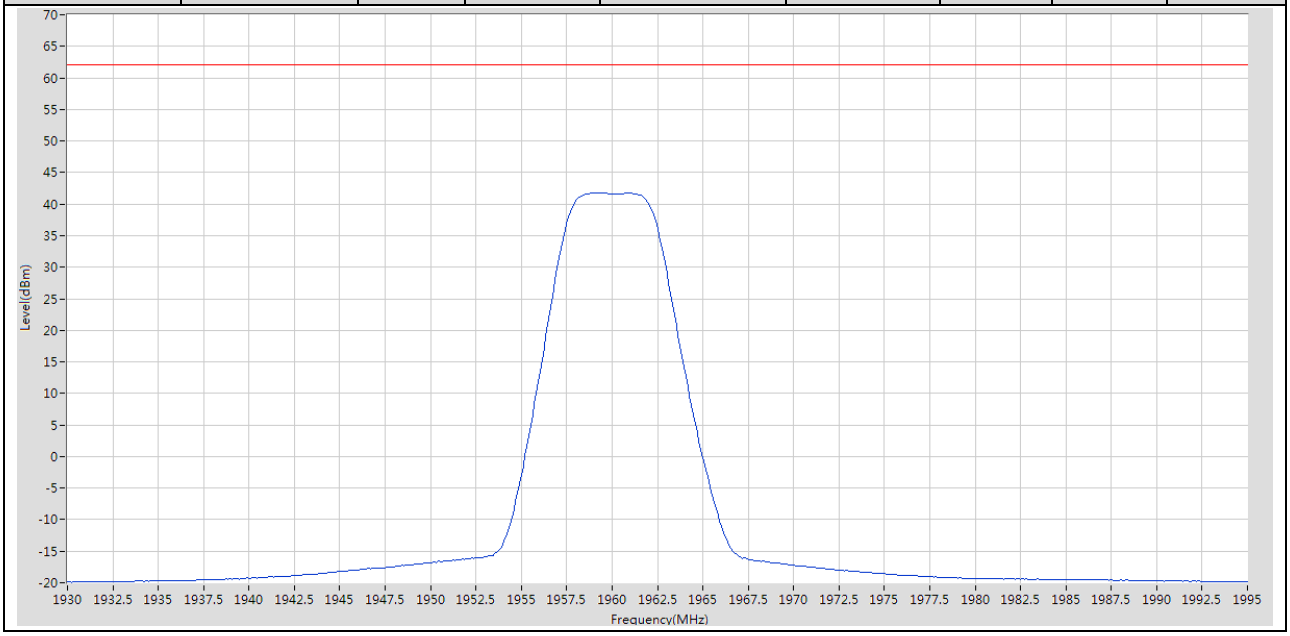
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1933.333333 M	41.88	62	Pass	625



2.1.2 1L5M_M

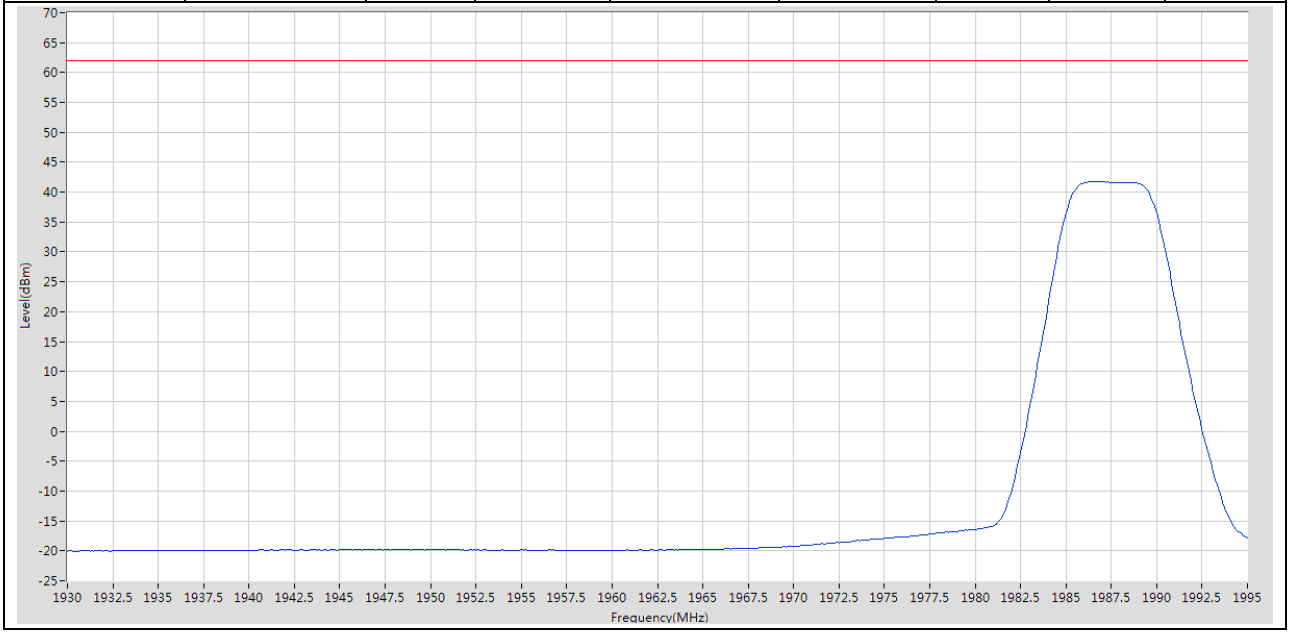
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1959.166667 M	41.71	62	Pass	625

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



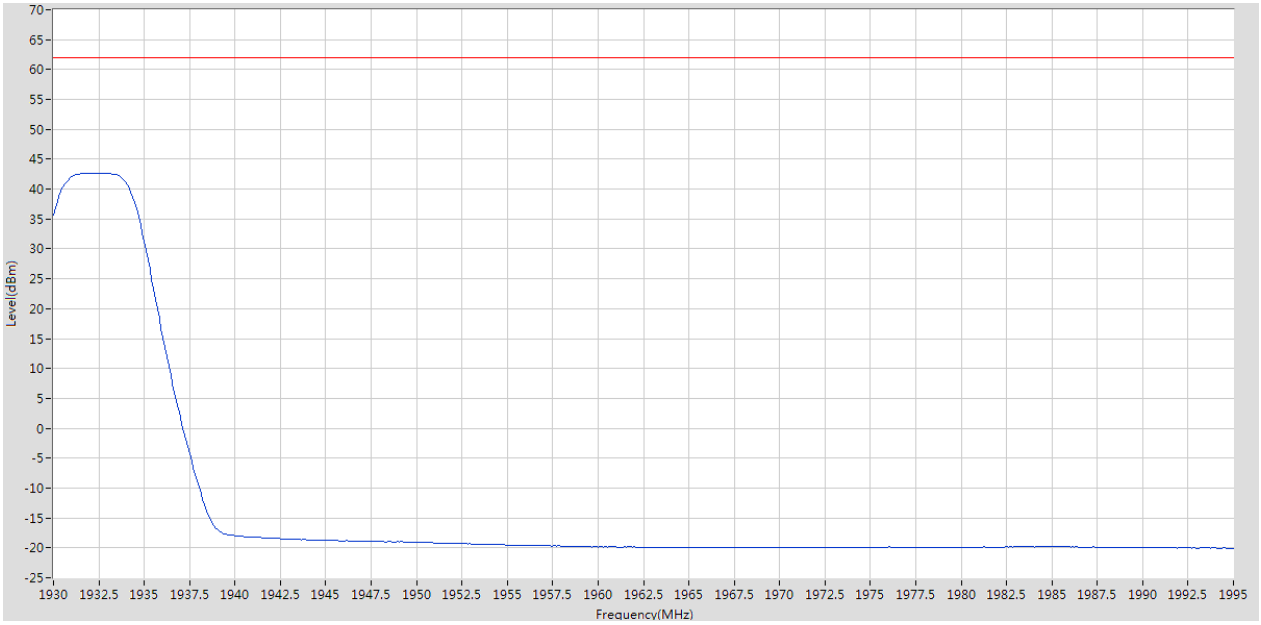
2.1.3 1L5M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1986.5625 M	41.75	62	Pass	625



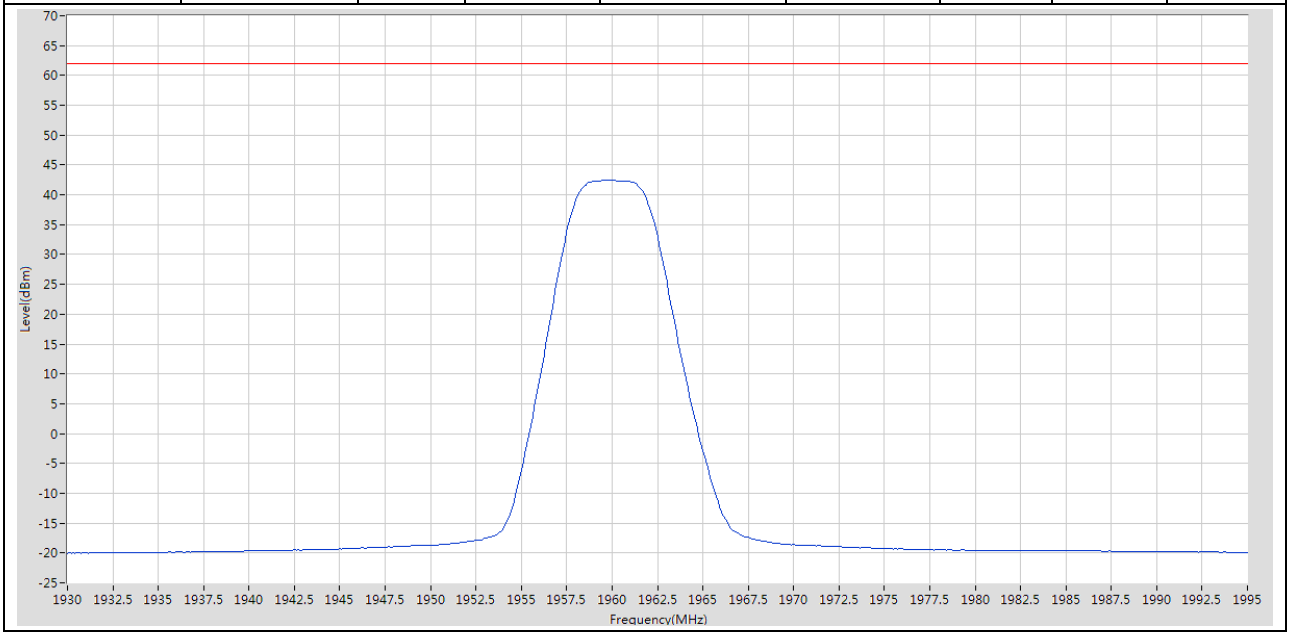
2.1.4 1U_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1932.1875 M	42.69	62	Pass	625



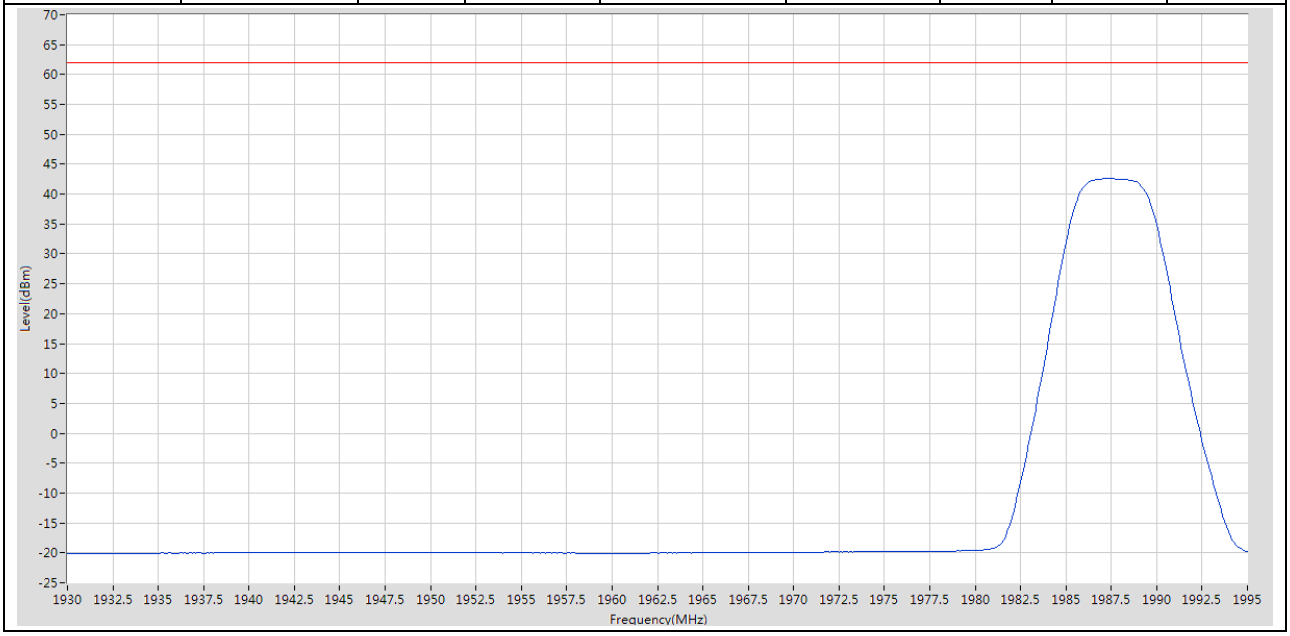
2.1.5 1U_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1959.791667 M	42.41	62	Pass	625



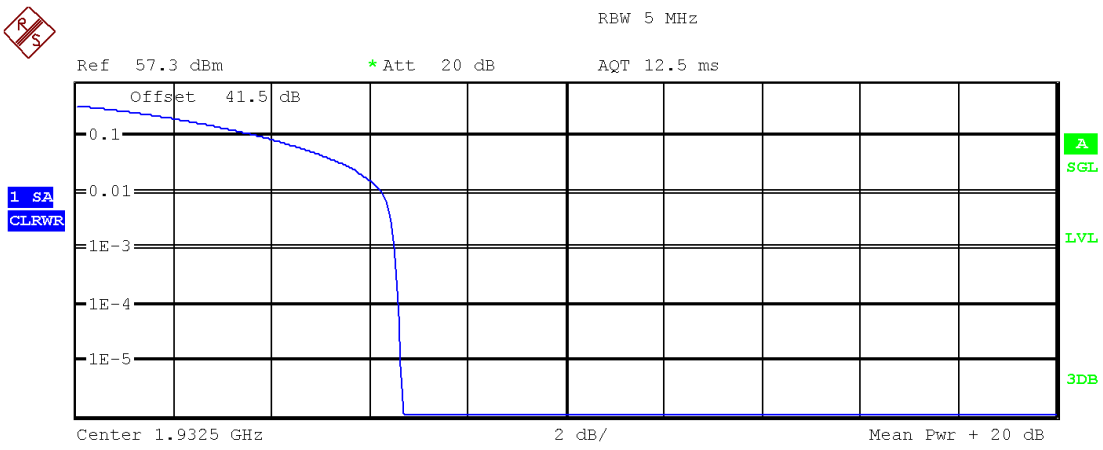
2.1.6 1U_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1995	1	RMS	1987.395833 M	42.57	62	Pass	625



2.2 Peak-to-Average Ratio

2.2.1 1L5M_B

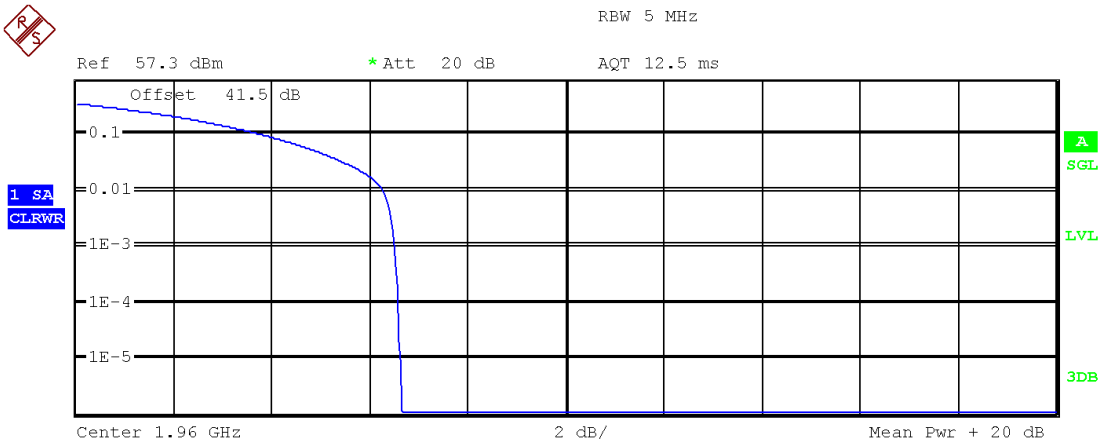


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	47.81 dBm
Peak	54.49 dBm
Crest	6.68 dB
10 %	3.85 dB
1 %	6.25 dB
.1 %	6.51 dB
.01 %	6.60 dB

Date: 8.APR.2014 15:21:49

2.2.2 1L5M_M

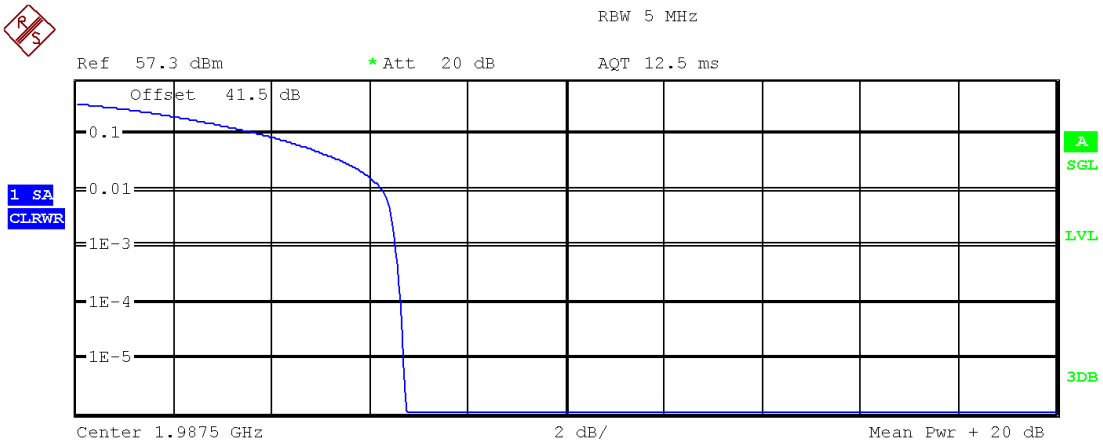


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	47.76 dBm
Peak	54.42 dBm
Crest	6.66 dB
10 %	3.85 dB
1 %	6.28 dB
.1 %	6.51 dB
.01 %	6.60 dB

Date: 8.APR.2014 15:20:26

2.2.3 1L5M_T

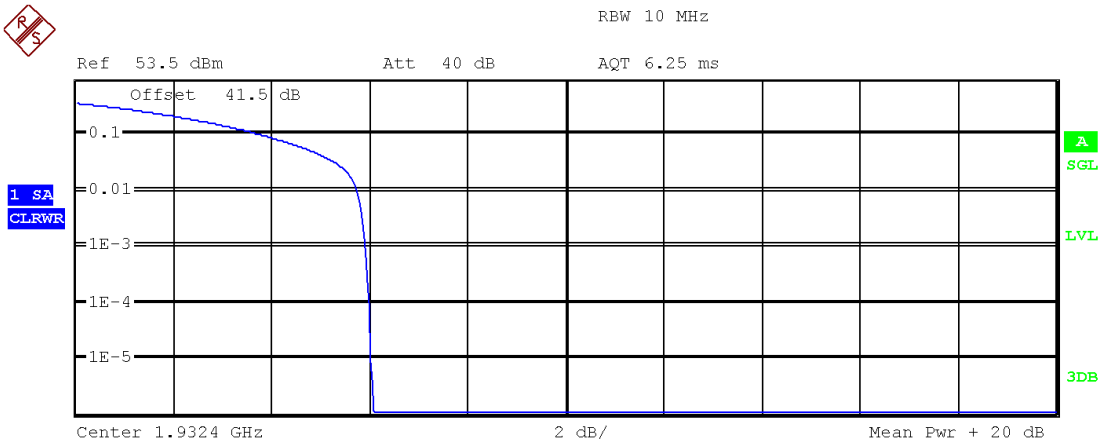


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	47.68 dBm
Peak	54.42 dBm
Crest	6.74 dB
10 %	3.88 dB
1 %	6.28 dB
.1 %	6.54 dB
.01 %	6.63 dB

Date: 8.APR.2014 15:18:35

2.2.4 1U_B

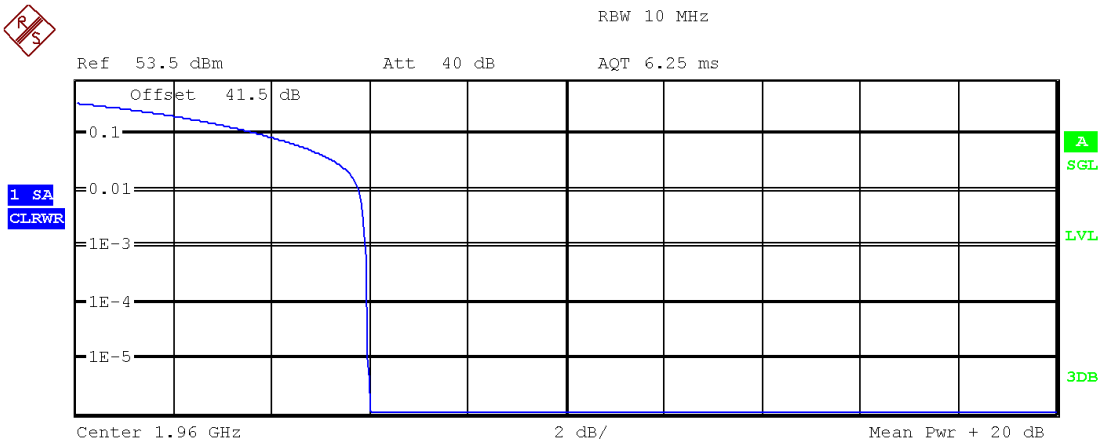


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	47.97 dBm
Peak	54.05 dBm
Crest	6.08 dB
10 %	3.81 dB
1 %	5.74 dB
.1 %	5.93 dB
.01 %	5.99 dB

Date: 14.APR.2014 12:25:53

2.2.5 1U_M

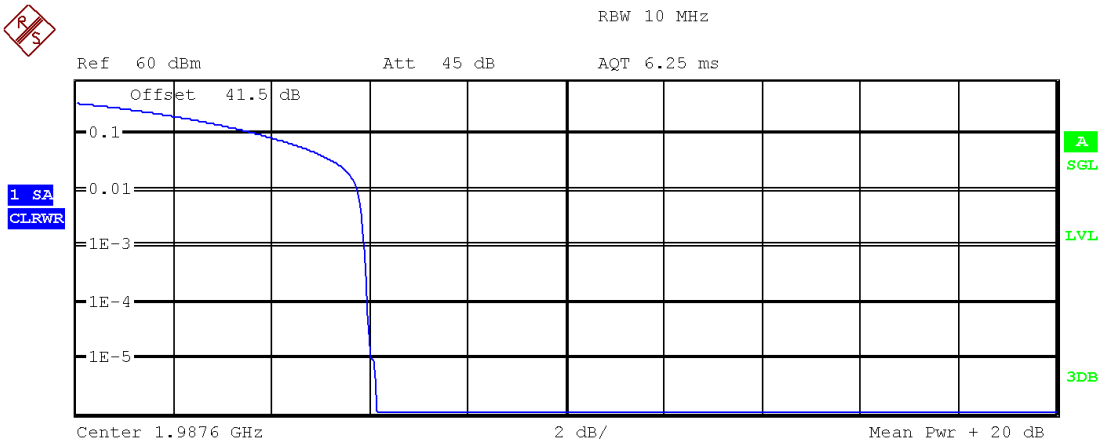


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	47.85 dBm
Peak	53.87 dBm
Crest	6.02 dB
10 %	3.85 dB
1 %	5.77 dB
.1 %	5.93 dB
.01 %	5.96 dB

Date: 14.APR.2014 14:28:50

2.2.6 1U_T



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	47.64 dBm
Peak	53.78 dBm
Crest	6.14 dB
10 %	3.81 dB
1 %	5.77 dB
.1 %	5.90 dB
.01 %	5.96 dB

Date: 14.APR.2014 15:21:57

Appendix B: Bandwidth

1 Result Table

1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1L5M_B	4.487179	Pass
1L5M_M	4.487179	Pass
1L5M_T	4.507212	Pass
1L10M_B	9.094551	Pass
1L10M_M	9.094551	Pass
1L10M_T	9.094551	Pass
1L15M_B	13.461538	Pass
1L15M_M	13.521635	Pass
1L15M_T	13.521635	Pass
1L20M_B	17.888889	Pass
1L20M_M	17.944444	Pass
1L20M_T	17.944444	Pass
1U_B	4.166667	Pass
1U_M	4.166667	Pass
1U_T	4.166667	Pass

1.2 Emission Bandwidth

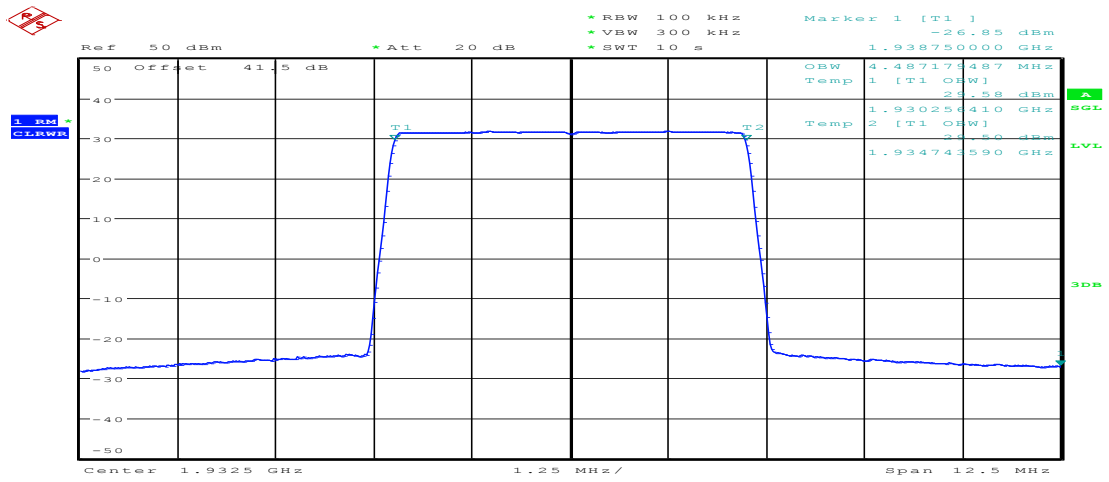
EUT Conf.	Emission Bandwidth, -26 dBc [MHz]	Emission Bandwidth, -20 dBc [MHz]	Verdict
1L5M_B	4.829952	---	Pass
1L5M_M	4.819968	---	Pass
1L5M_T	4.819968	---	Pass
1L10M_B	9.449984	---	Pass
1L10M_M	9.459968	---	Pass
1L10M_T	9.44	---	Pass
1L15M_B	14.121728	---	Pass
1L15M_M	14.101888	---	Pass
1L15M_T	14.14144	---	Pass
1L20M_B	18.649984	---	Pass
1L20M_M	18.72	---	Pass
1L20M_T	18.760064	---	Pass
1U_B	4.699904	---	Pass
1U_M	4.699904	---	Pass
1U_T	4.699904	---	Pass

2 Test Plot

2.1 Occupied Bandwidth

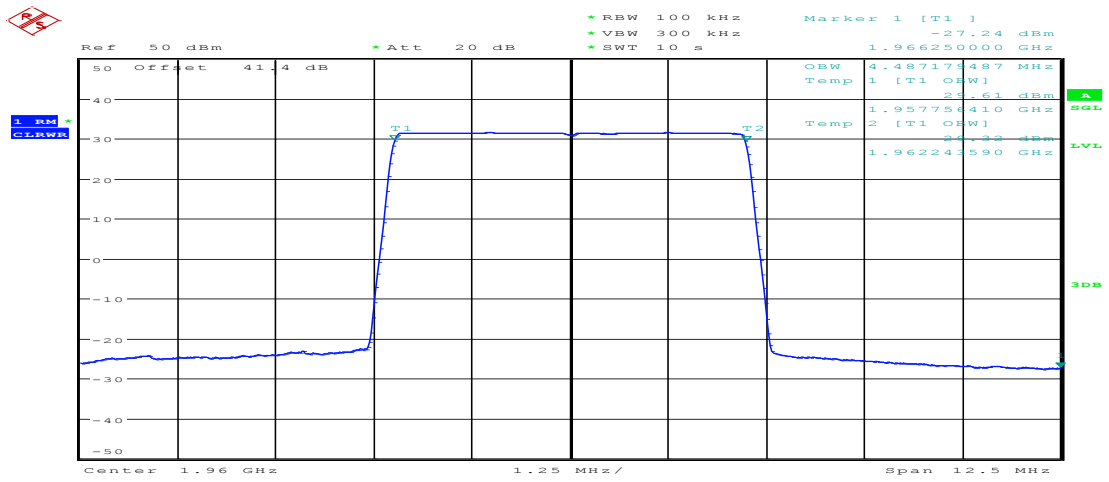
2.1.1 1L5M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1932.5	99	Auto	RMS	4.487179	No Conclusion



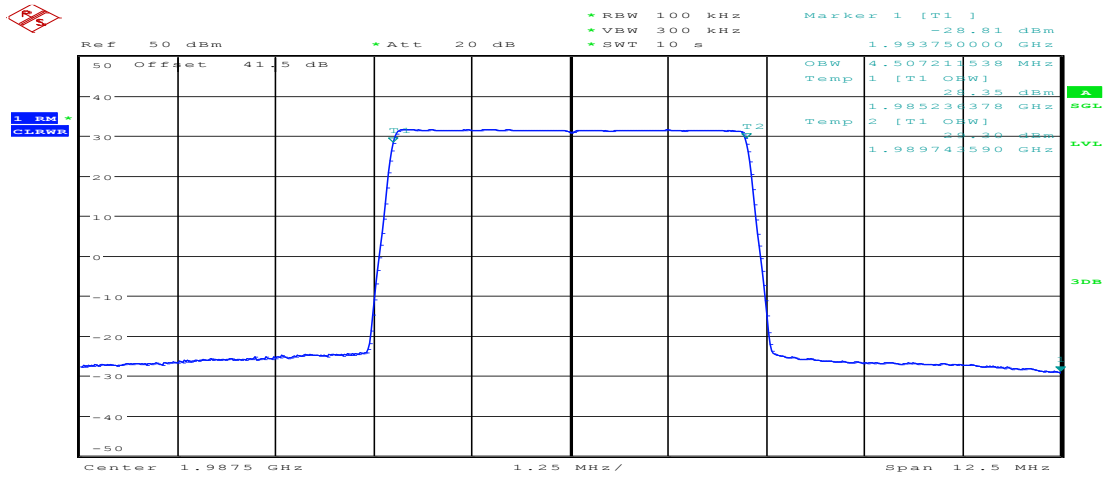
2.1.2 1L5M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	4.487179	No Conclusion



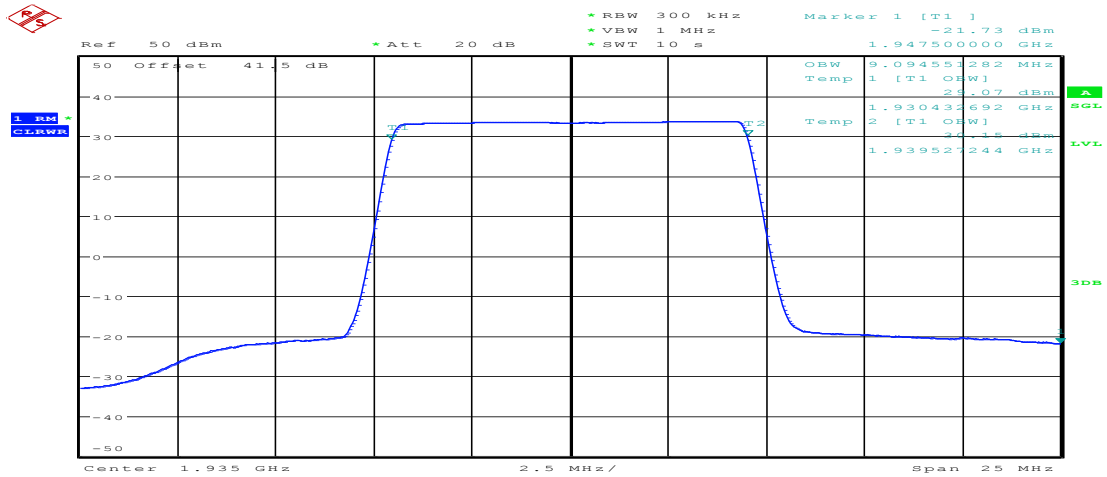
2.1.3 1L5M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1987.5	99	Auto	RMS	4.507212	No Conclusion



2.1.4 1L10M_B

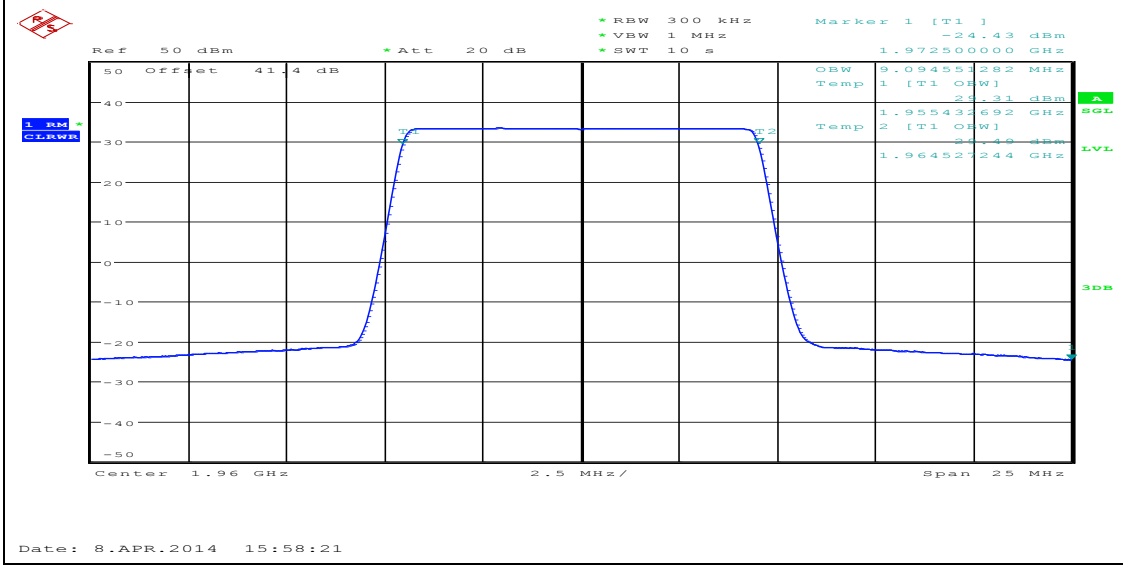
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1935	99	Auto	RMS	9.094551	No Conclusion



2.1.5 1L10M_M

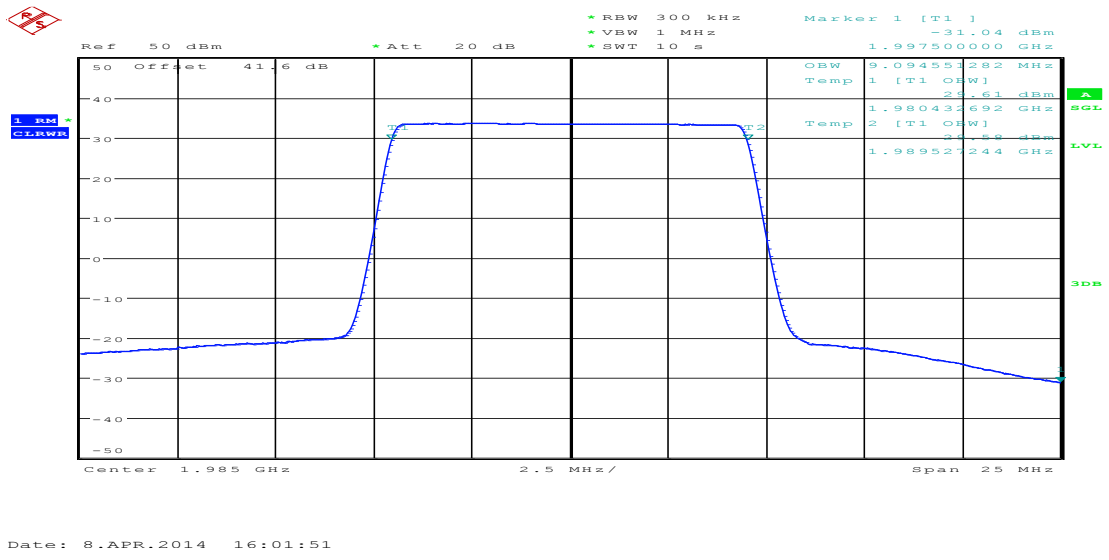
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	9.094551	No Conclusion



2.1.6 1L10M_T

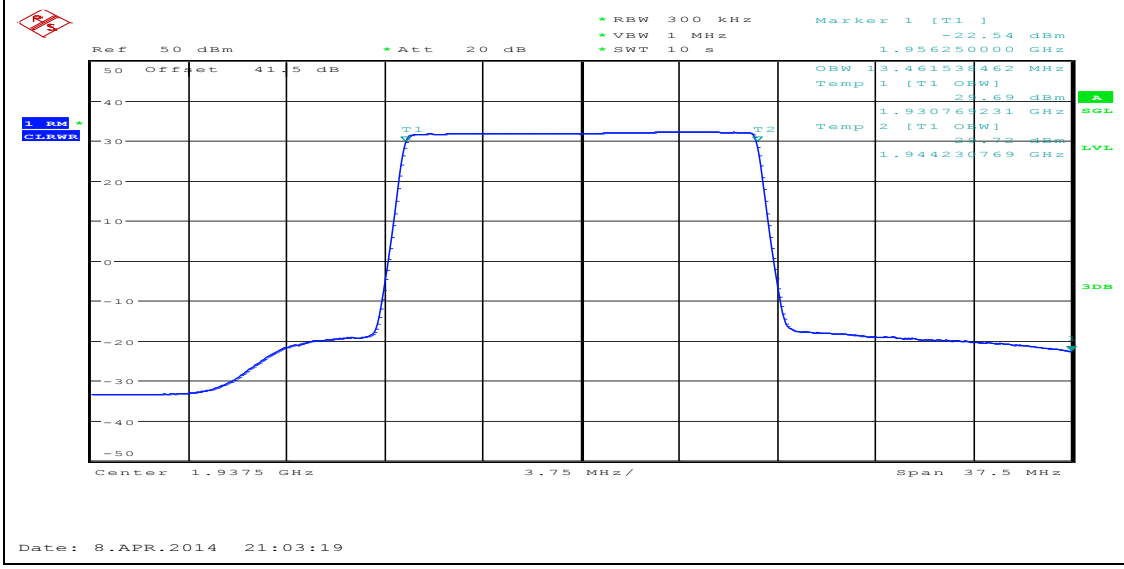
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1985	99	Auto	RMS	9.094551	No Conclusion



2.1.7 1L15M_B

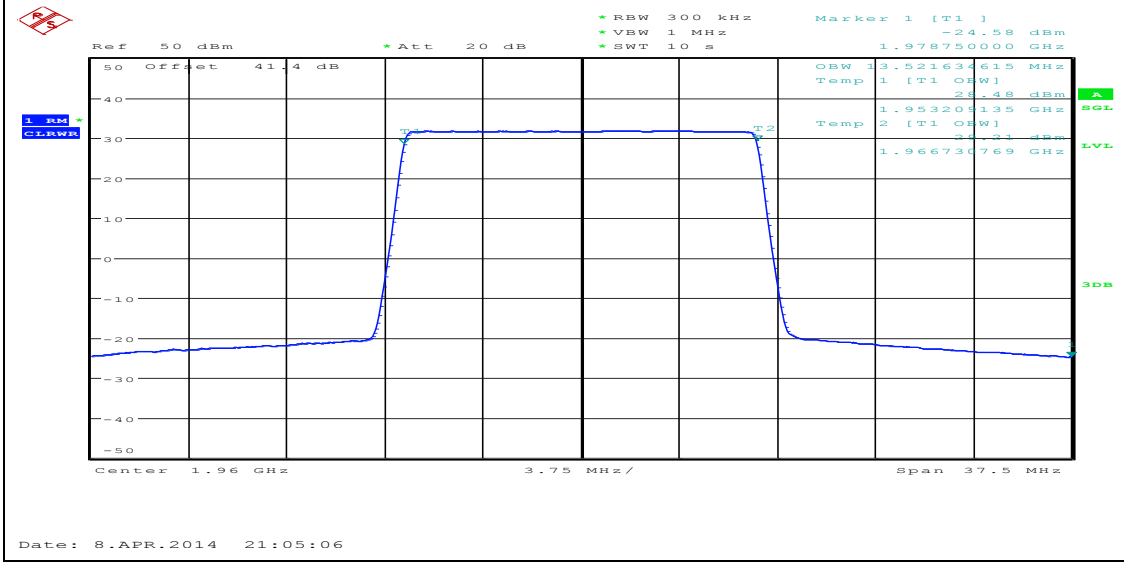
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1937.5	99	Auto	RMS	13.461538	No Conclusion

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict



2.1.8 1L15M_M

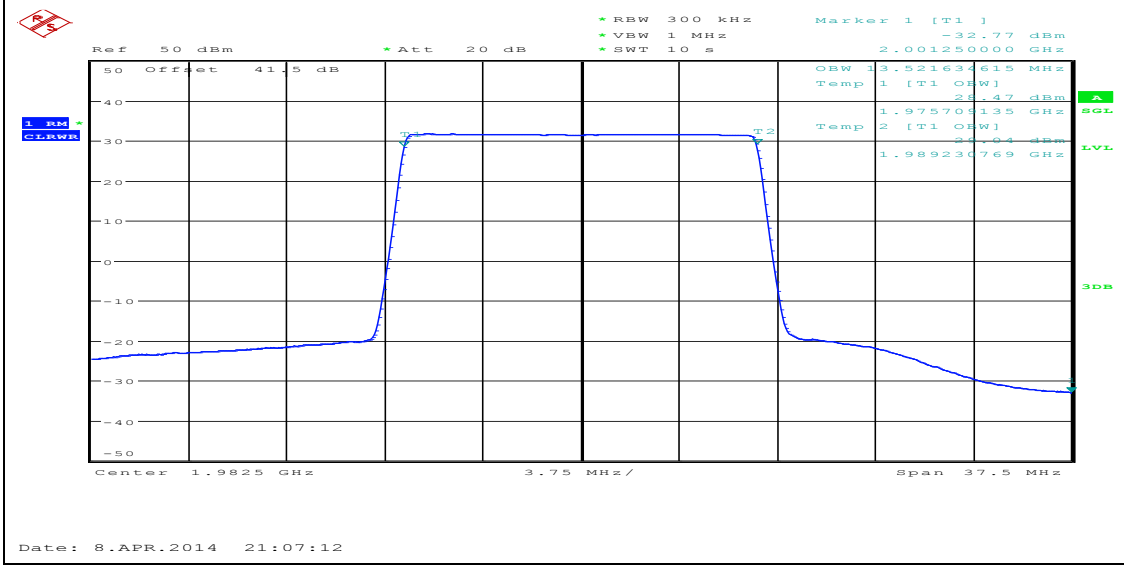
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	13.521635	No Conclusion



2.1.9 1L15M_T

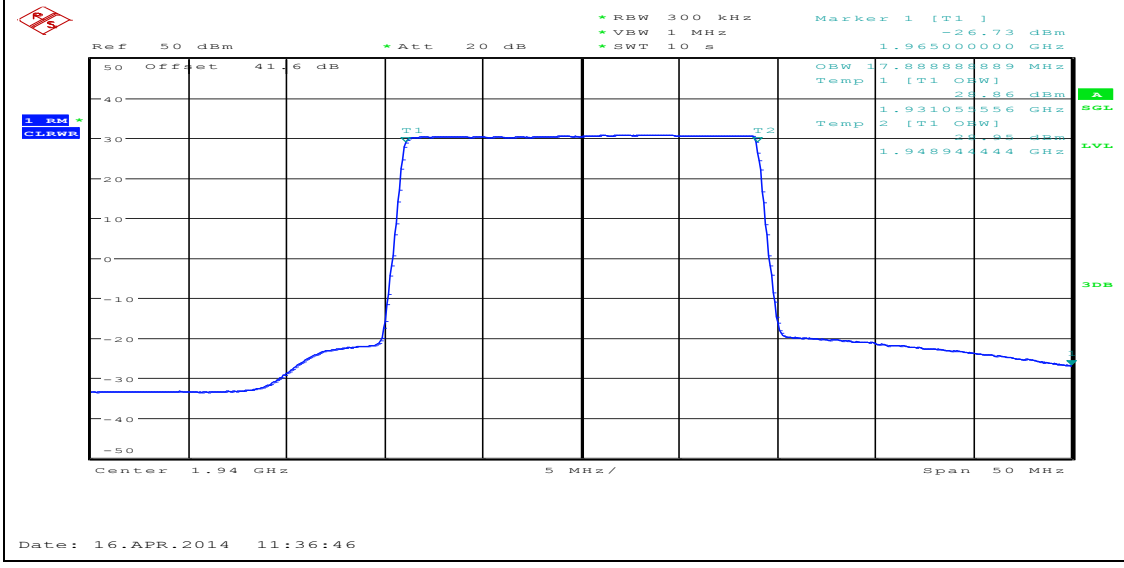
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1982.5	99	Auto	RMS	13.521635	No Conclusion

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict



2.1.10 1L20M_B

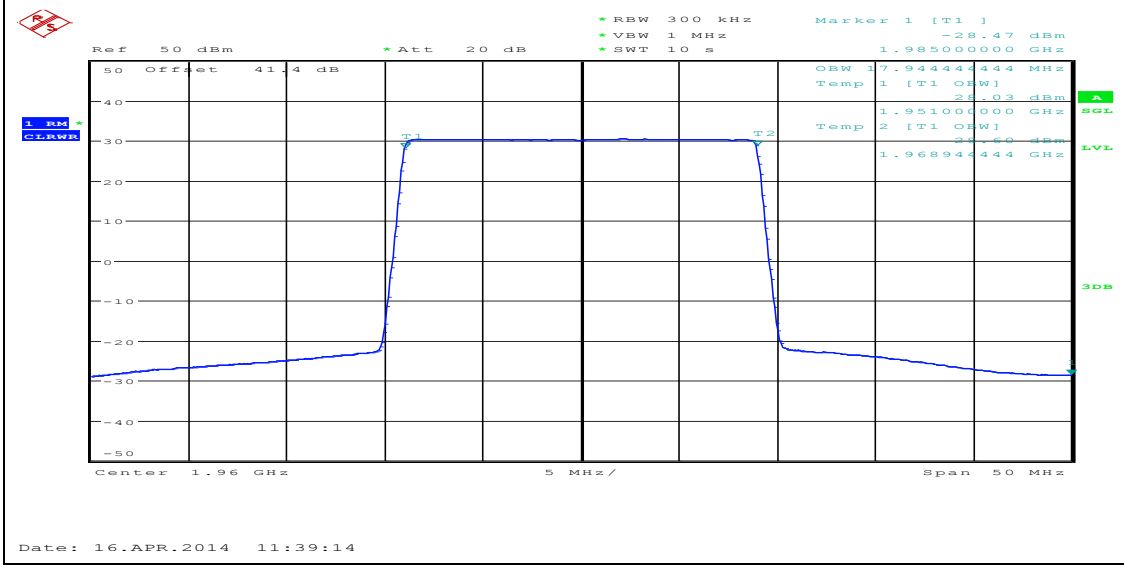
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1940	99	Auto	RMS	17.888889	No Conclusion



2.1.11 1L20M_M

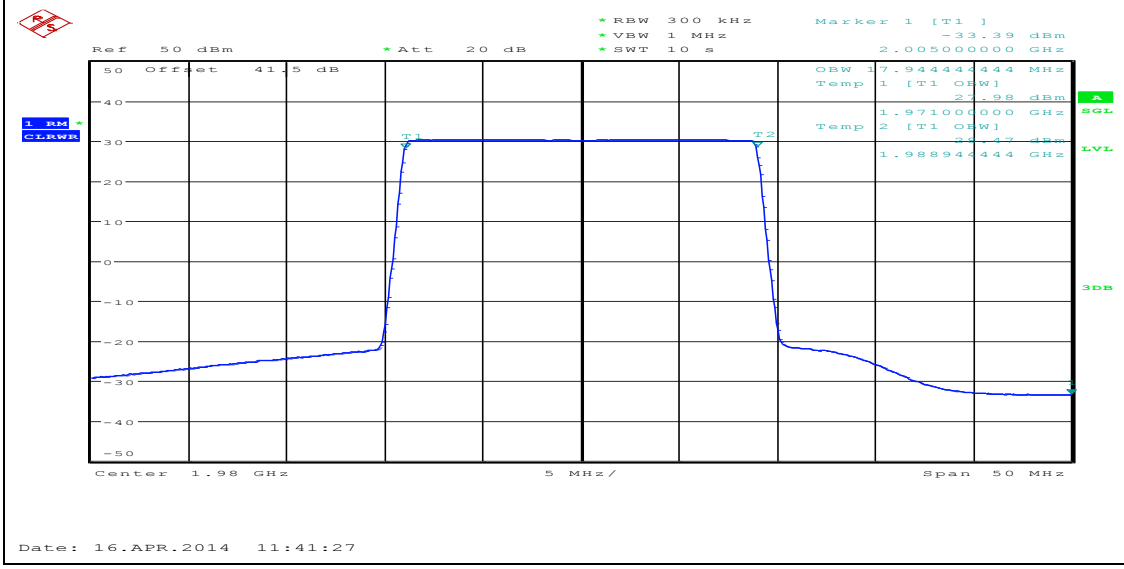
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	17.944444	No Conclusion

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict



2.1.12 1L20M_T

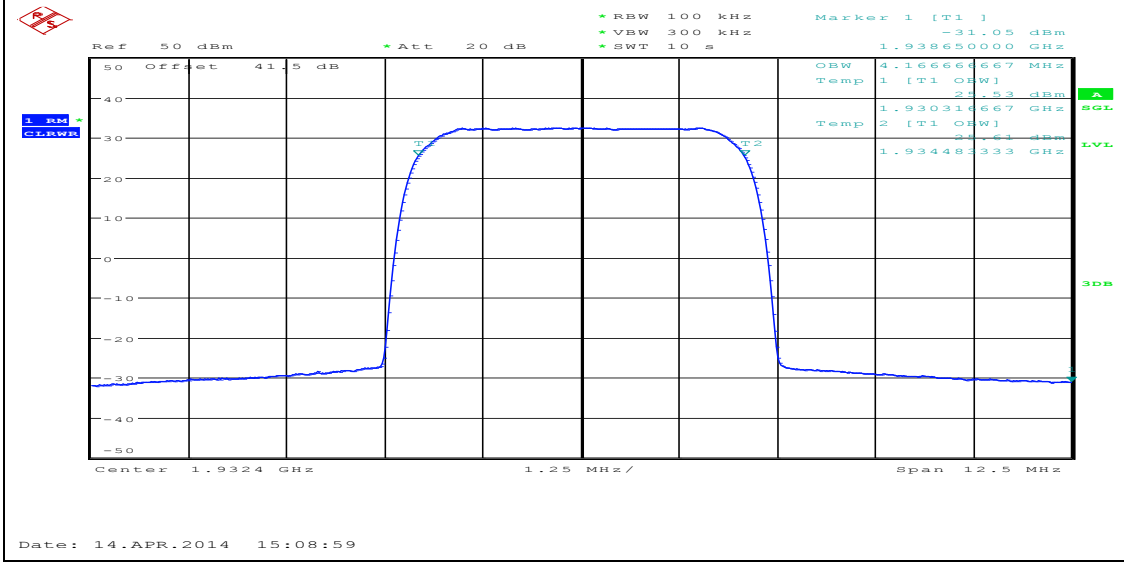
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1980	99	Auto	RMS	17.944444	No Conclusion



2.1.13 1U_B

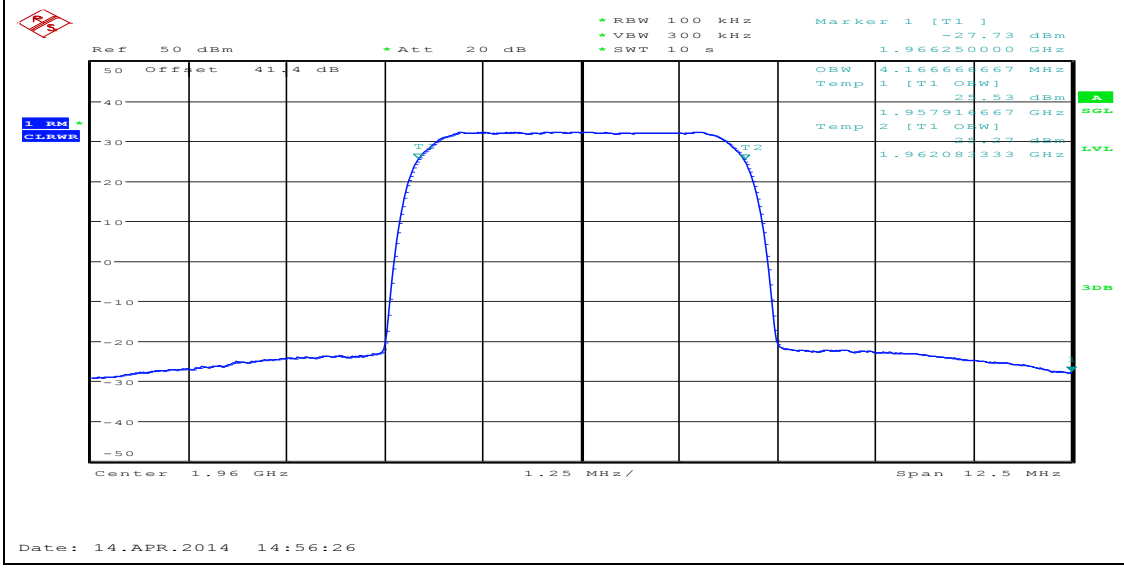
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1932.4	99	Auto	RMS	4.166667	No Conclusion

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict



2.1.14 1U_M

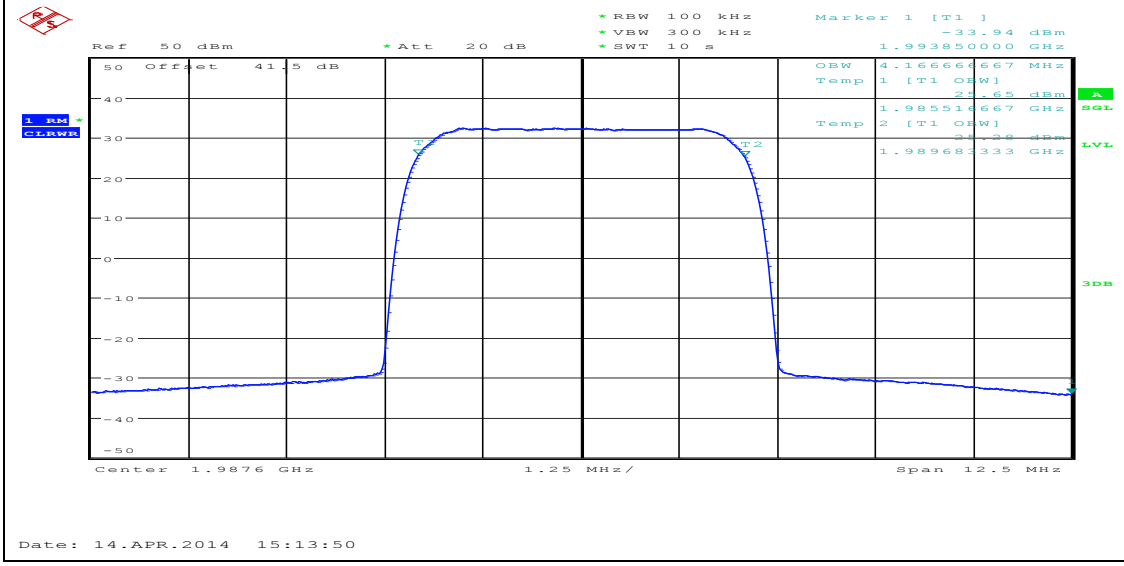
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	4.166667	No Conclusion



2.1.15 1U_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1987.6	99	Auto	RMS	4.166667	No Conclusion

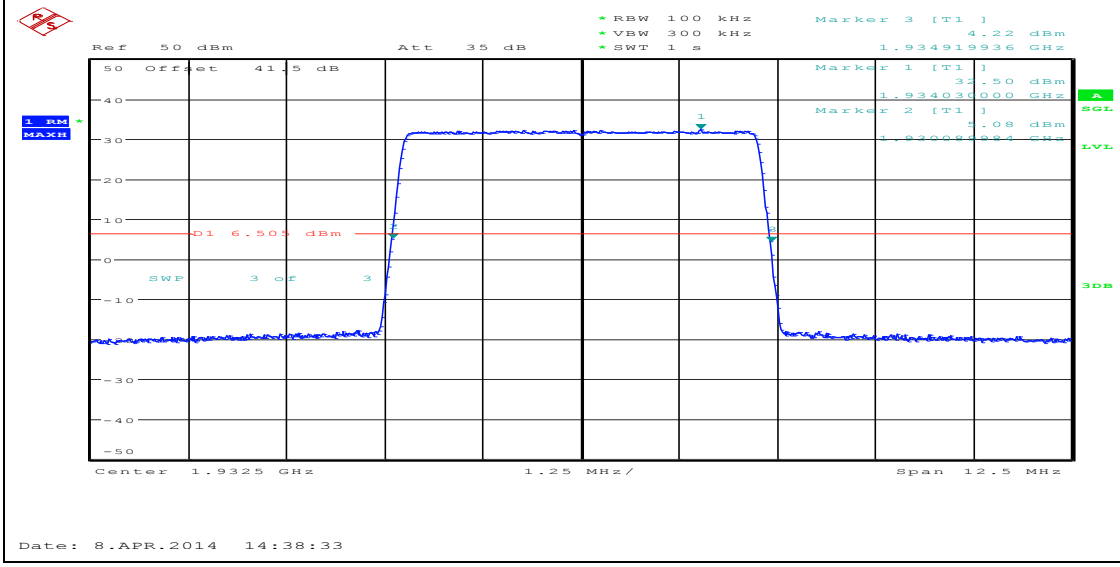
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict



2.2 Emission Bandwidth

2.2.1 1L5M_B

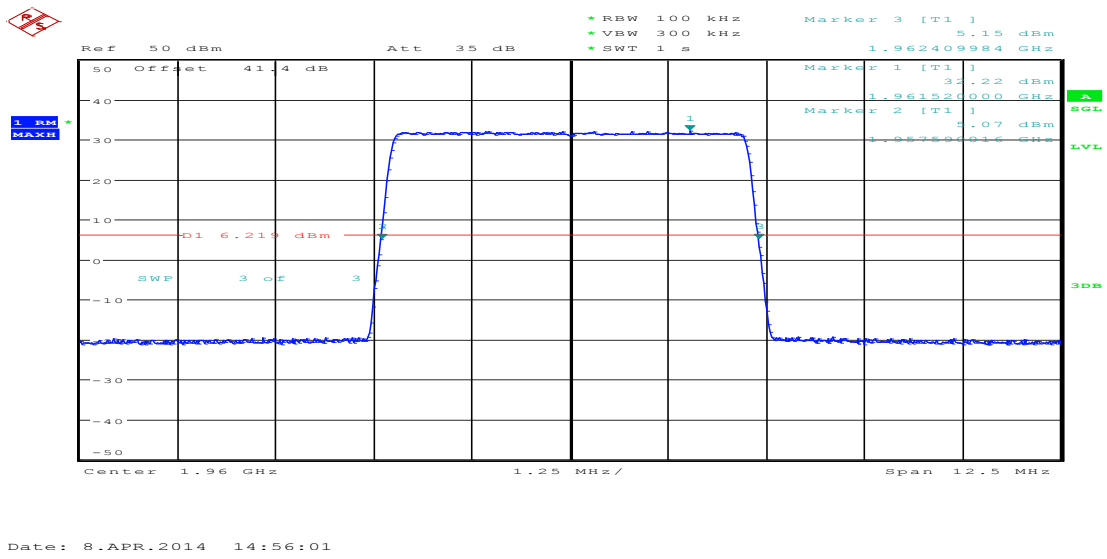
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.5	12.5	26	0.1	RMS	4.829952	5	1930.089984	1930	1934.919936	1990	Pass



2.2.2 1L5M_M

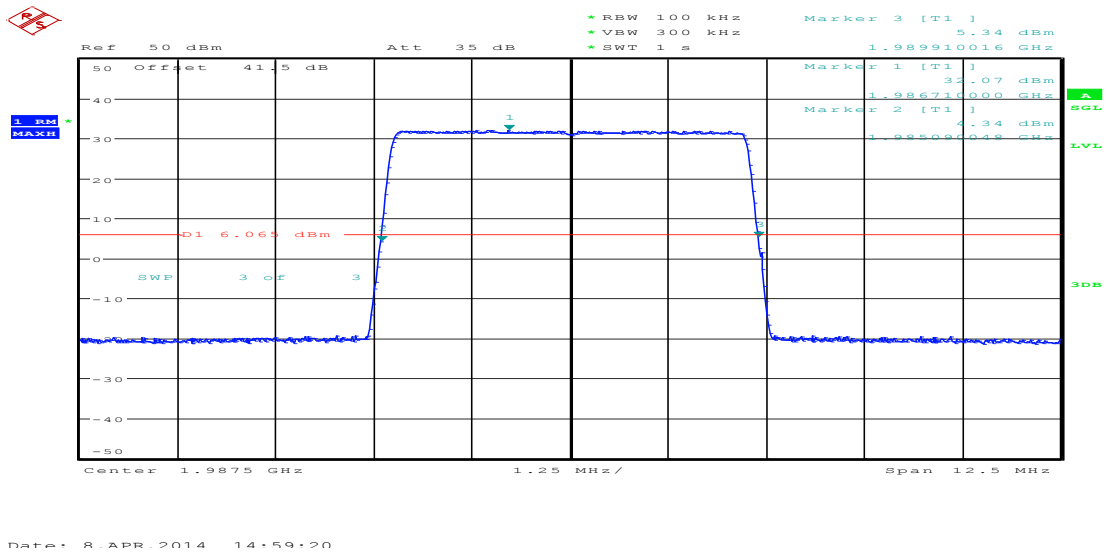
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	12.5	26	0.1	RMS	4.819968	5	1957.590016	1930	1962.409984	1990	Pass

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict



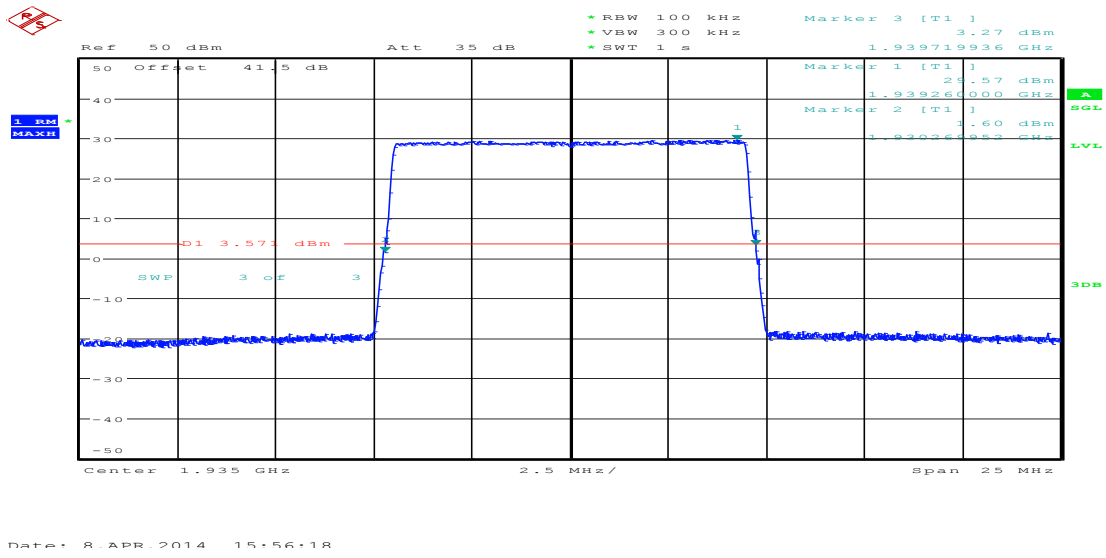
2.2.3 1L5M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.5	12.5	26	0.1	RMS	4.819968	5	1985.090048	1930	1989.910016	1990	Pass



2.2.4 1L10M_B

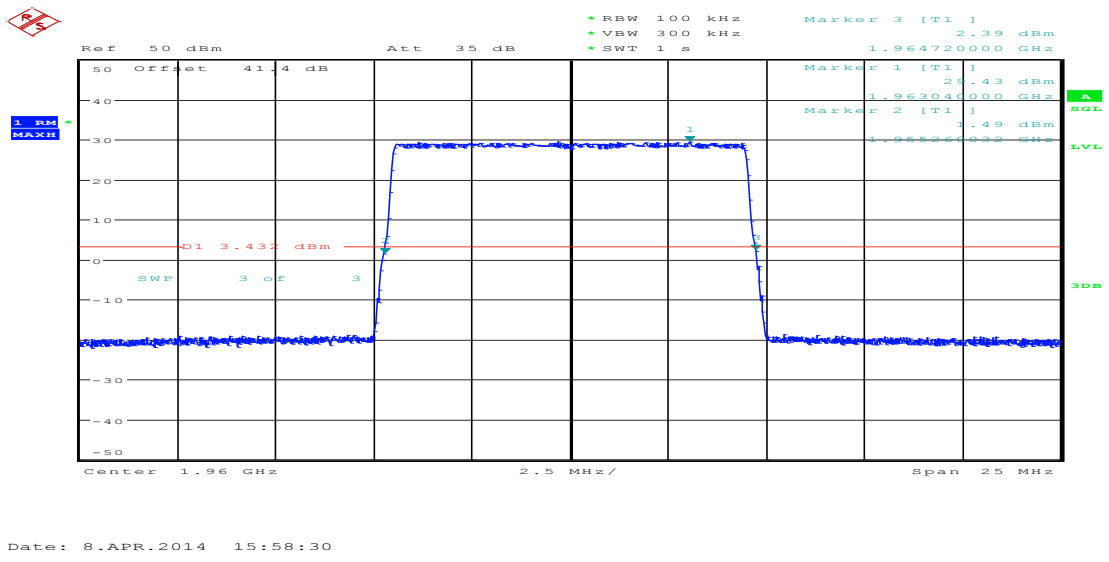
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1935	25	26	0.1	RMS	9.449984	10	1930.269952	1930	1939.719936	1990	Pass



2.2.5 1L10M_M

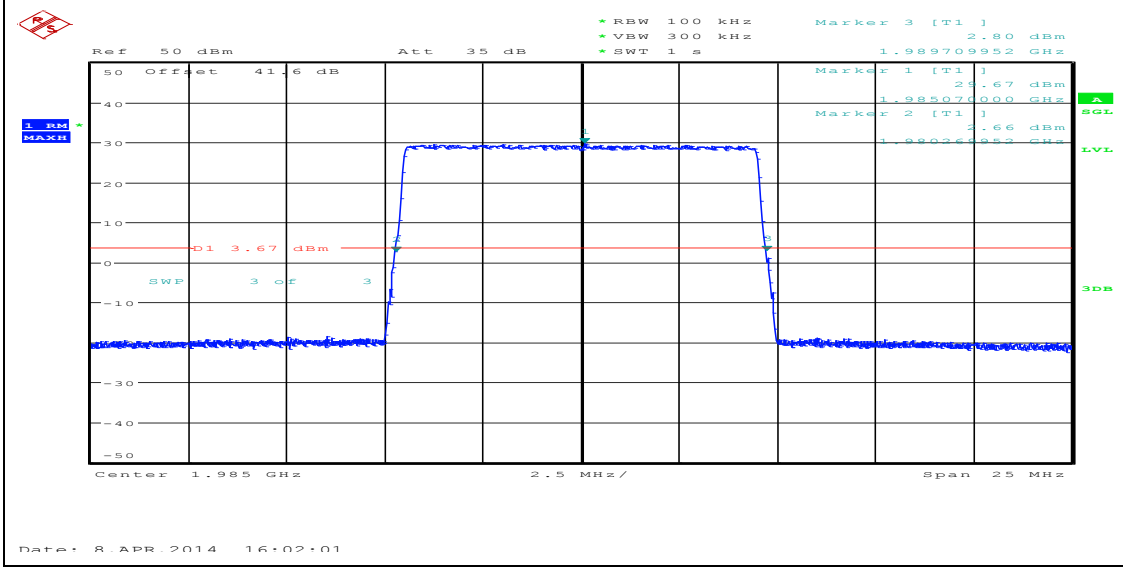
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	25	26	0.1	RMS	9.459968	10	1955.260032	1930	1964.72	1990	Pass

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict



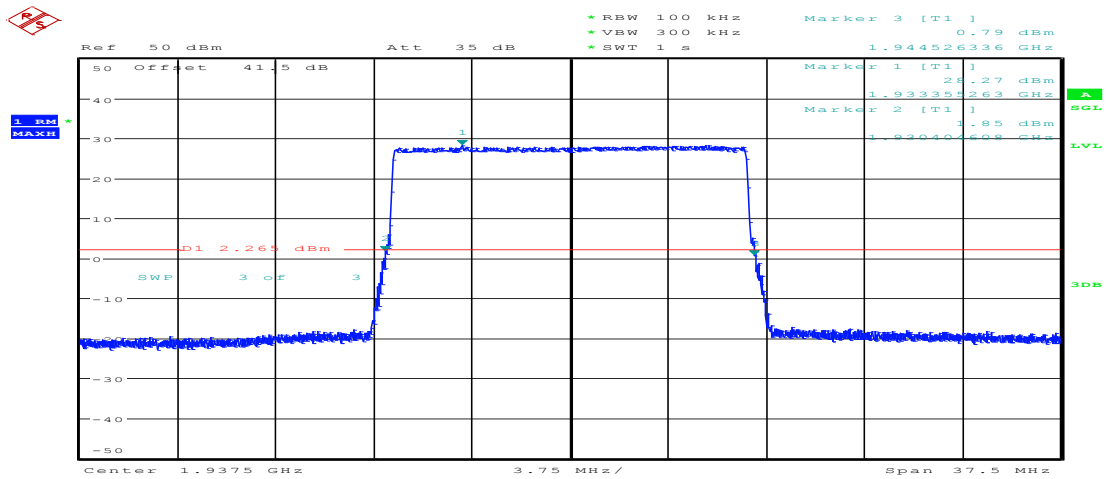
2.2.6 1L10M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1985	25	26	0.1	RMS	9.44	10	1980.269952	1930	1989.709952	1990	Pass



2.2.7 1L15M_B

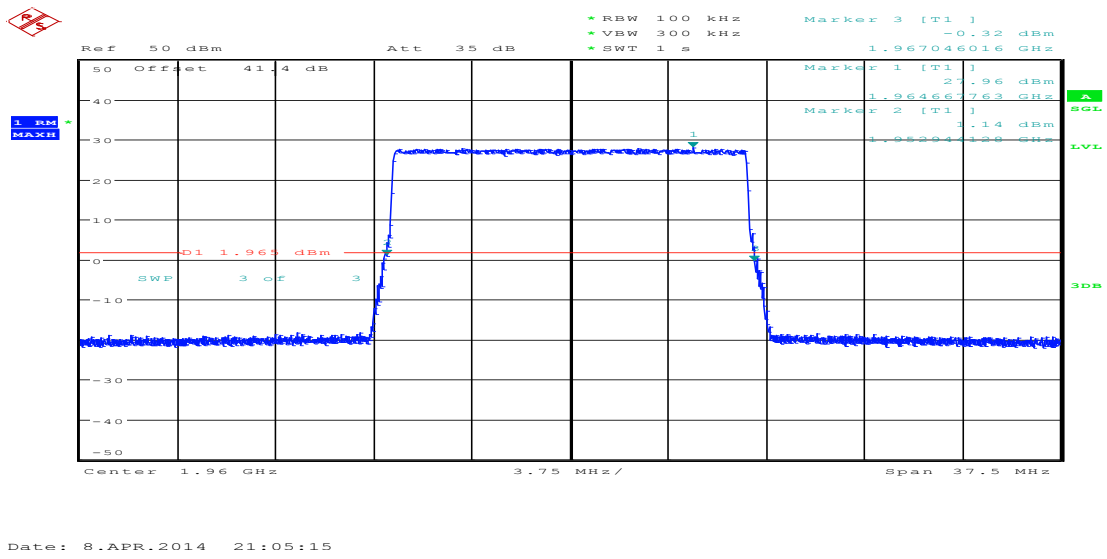
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1937.5	37.5	26	0.1	RMS	14.121728	15	1930.404608	1930	1944.526336	1990	Pass



2.2.8 1L15M_M

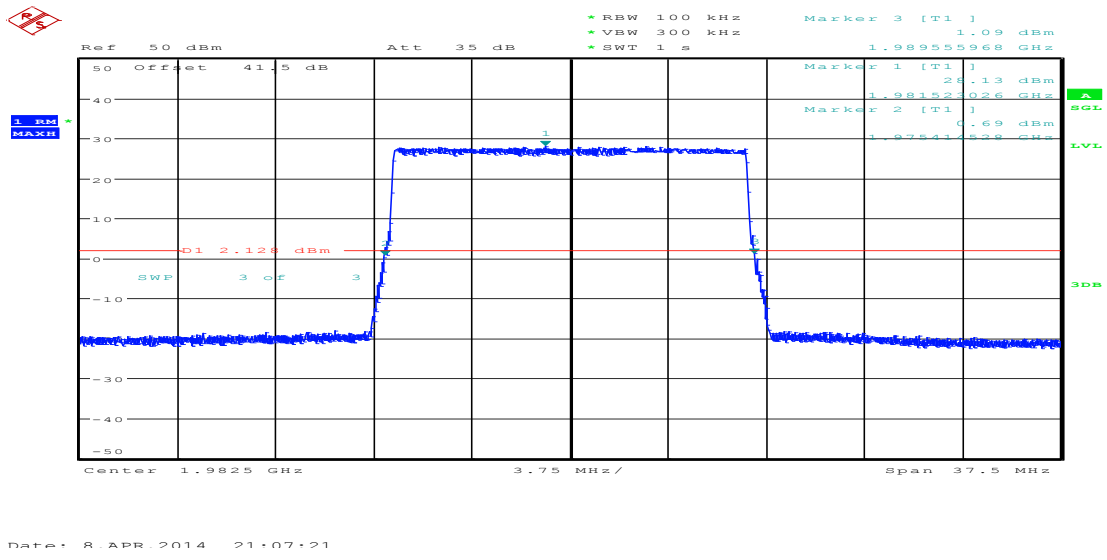
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	37.5	26	0.1	RMS	14.101888	15	1952.944128	1930	1967.046016	1990	Pass

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict



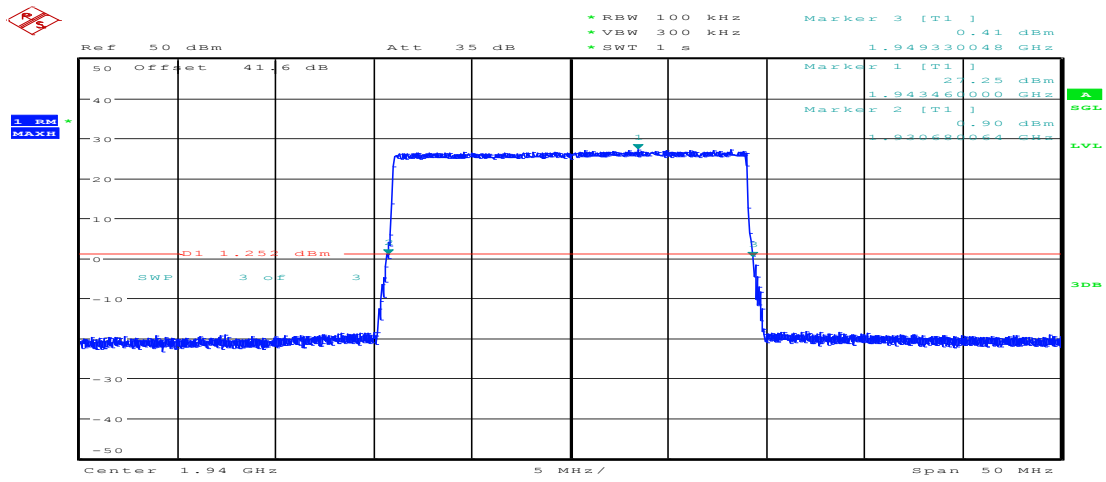
2.2.9 1L15M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1982.5	37.5	26	0.1	RMS	14.14144	15	1975.414528	1930	1989.555968	1990	Pass



2.2.10 1L20M_B

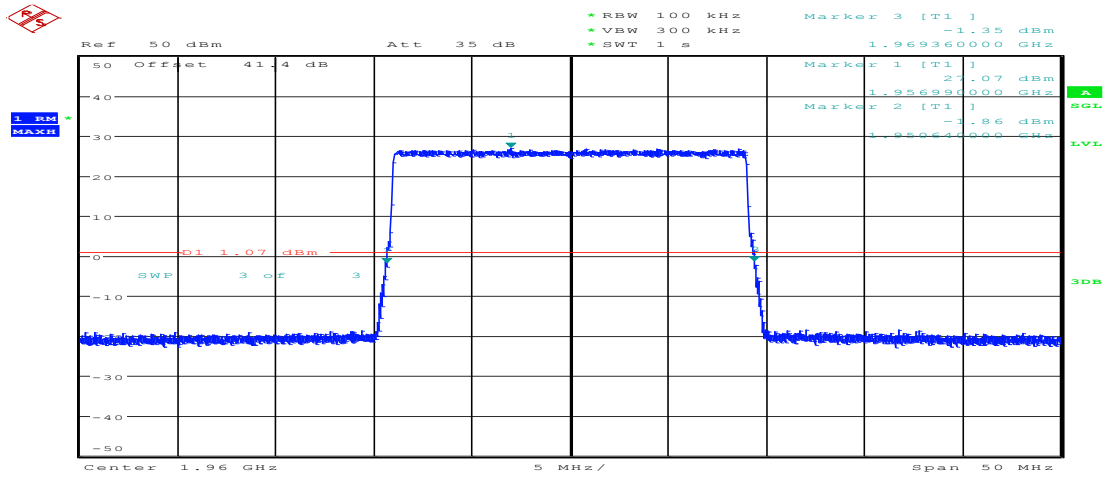
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1940	50	26	0.1	RMS	18.649984	20	1930.680064	1930	1949.330048	1990	Pass



2.2.11 1L20M_M

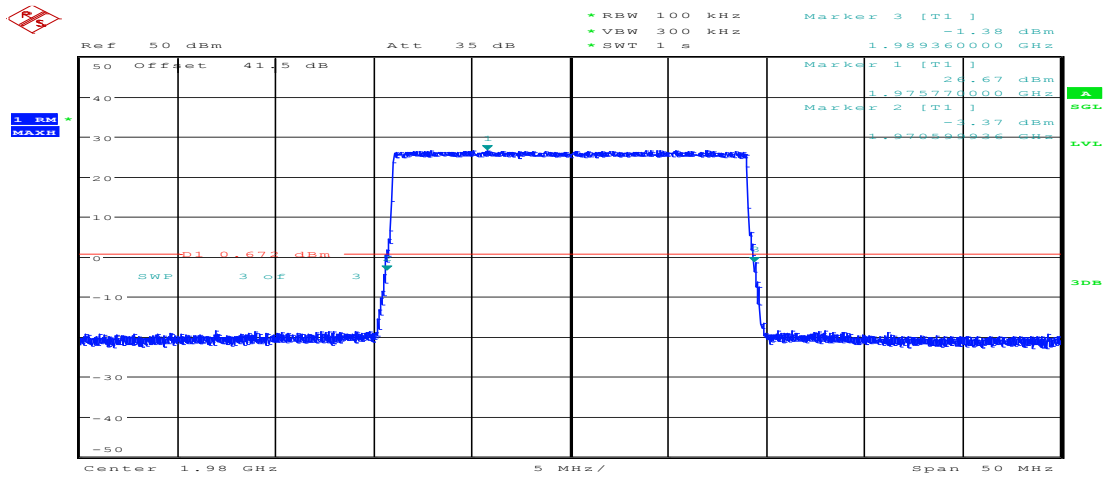
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	50	26	0.1	RMS	18.72	20	1950.64	1930	1969.36	1990	Pass

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict



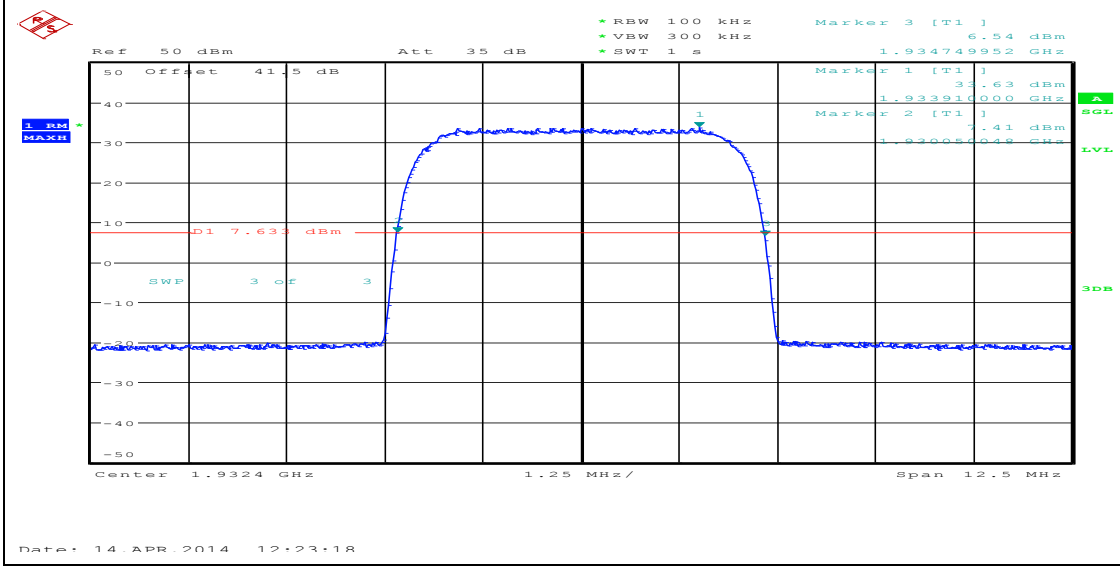
2.2.12 1L20M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1980	50	26	0.1	RMS	18.760064	20	1970.599936	1930	1989.36	1990	Pass



2.2.13 1U_B

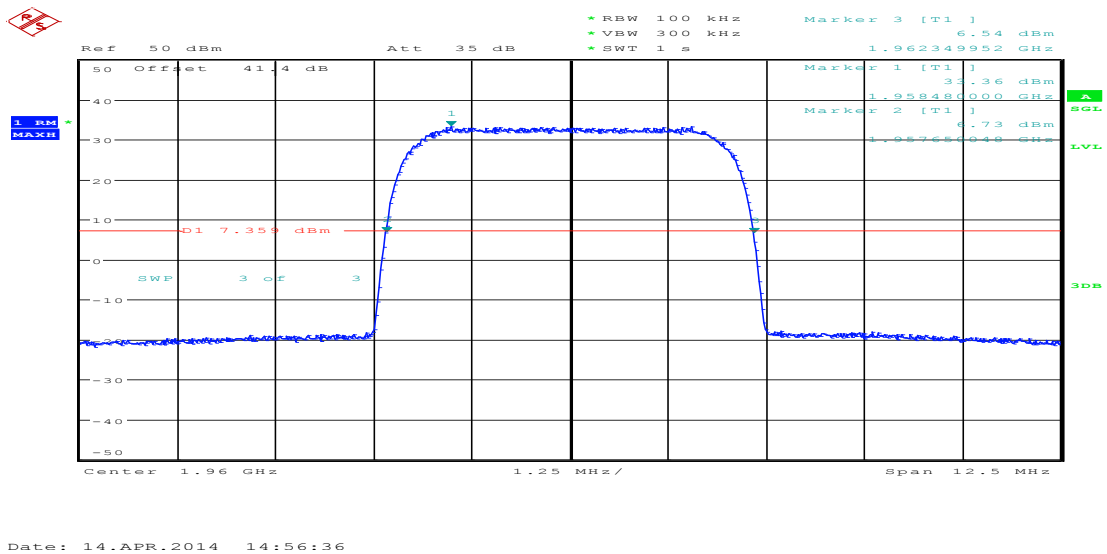
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.4	12.5	26	0.1	RMS	4.699904	5	1930.050048	1930	1934.749952	1990	Pass



2.2.14 1U_M

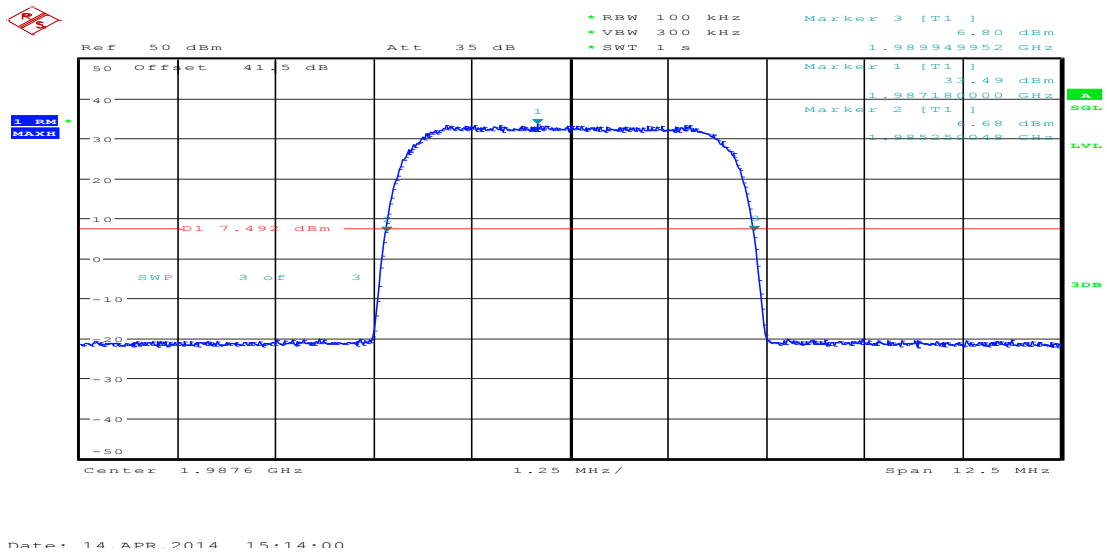
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	12.5	26	0.1	RMS	4.699904	5	1957.650048	1930	1962.349952	1990	Pass

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict



2.2.15 1U_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.6	12.5	26	0.1	RMS	4.699904	5	1985.250048	1930	1989.949952	1990	Pass



Appendix C: Band Edges Compliance

1 Result Table

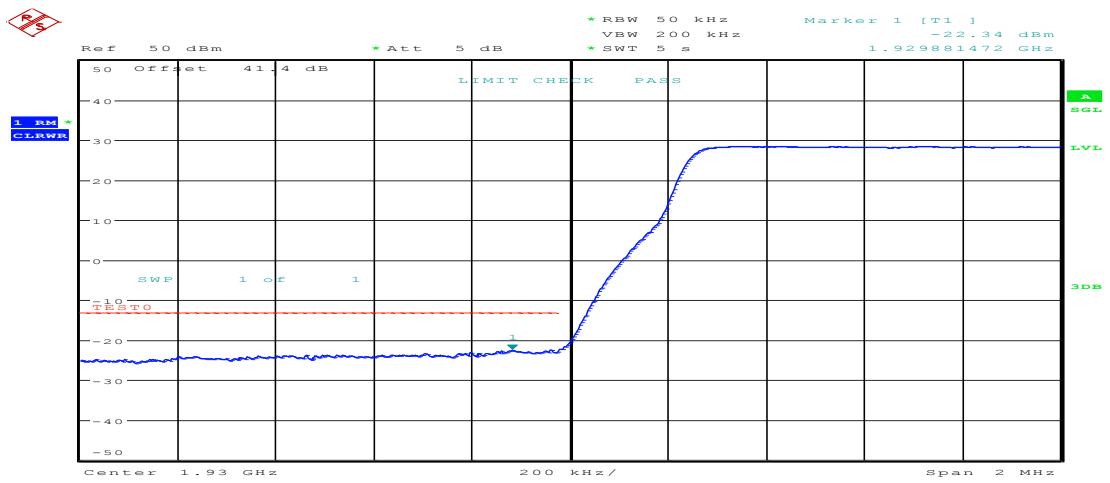
NOTE: The offset of measurement filter -3dB point may be considered when identifying the maximum emission for e.g. the CDMA, WCDMA, WiMAX, LTE systems.

EUT Conf.	Maximum Emission [dBm]	Verdict
1L5M_B	<-13	Pass
1L5M_T	<-13	Pass
1L20M_B	<-13	Pass
1L20M_T	<-13	Pass
1U_B	<-13	Pass
1U_T	<-13	Pass
1U1L5M_30+30_B	<-13	Pass
1U1L5M_30+30_T	<-13	Pass
1U1L5M_20+40_B	<-13	Pass
1U1L5M_20+40_T	<-13	Pass

2 Test Plot

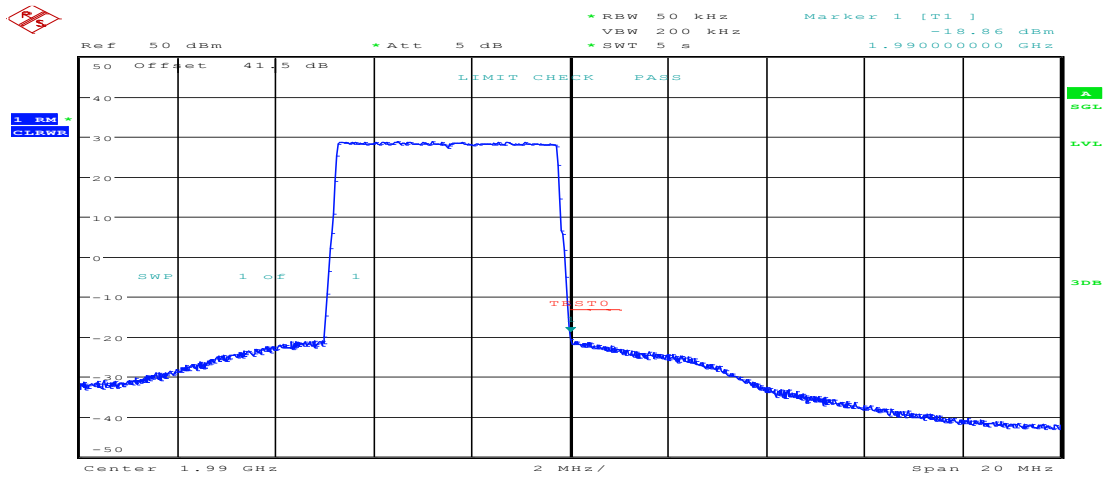
2.1 1L5M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.05	RMS	Pass	625



2.2 1L5M_T

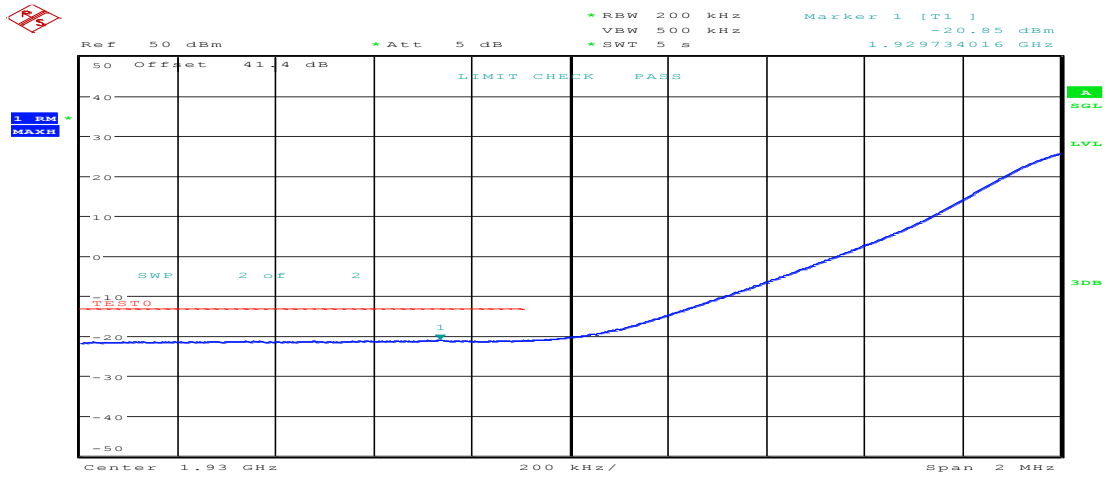
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1990	20	0.05	RMS	Pass	2001



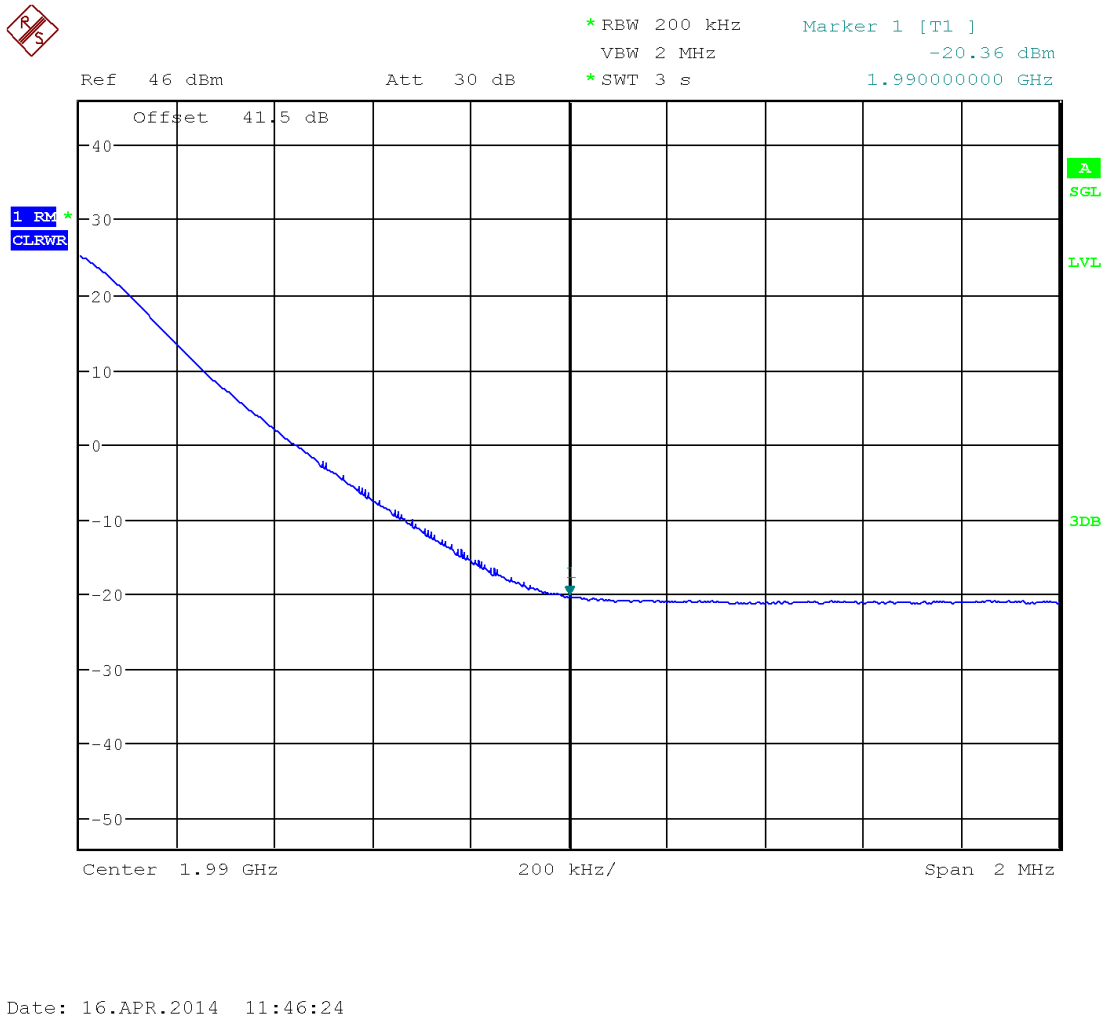
2.3 1L20M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.2	RMS	Pass	625

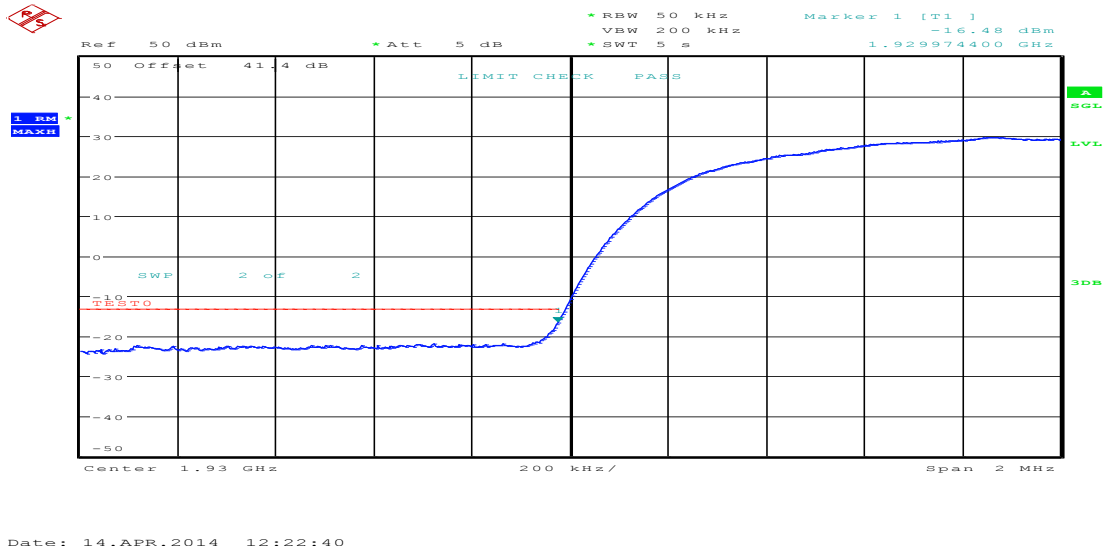


2.4 1L20M_T

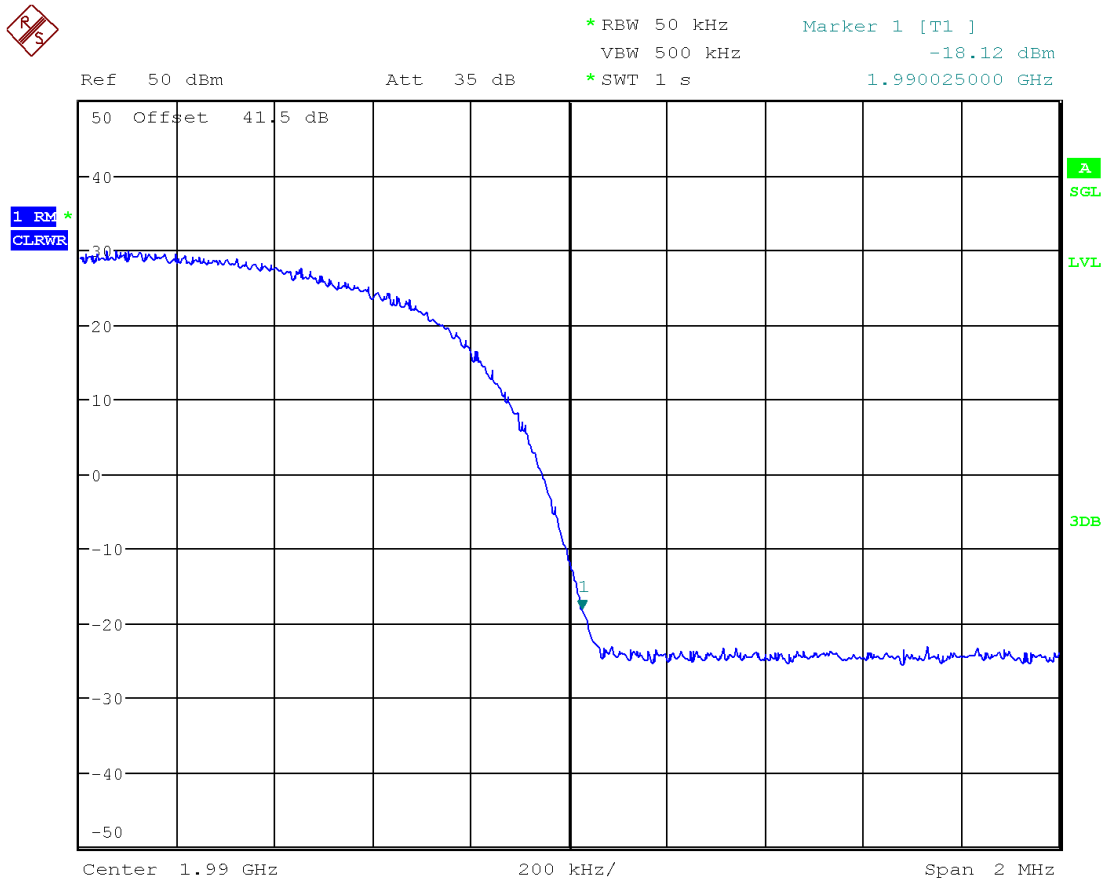


2.5 1U_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.05	RMS	Pass	625



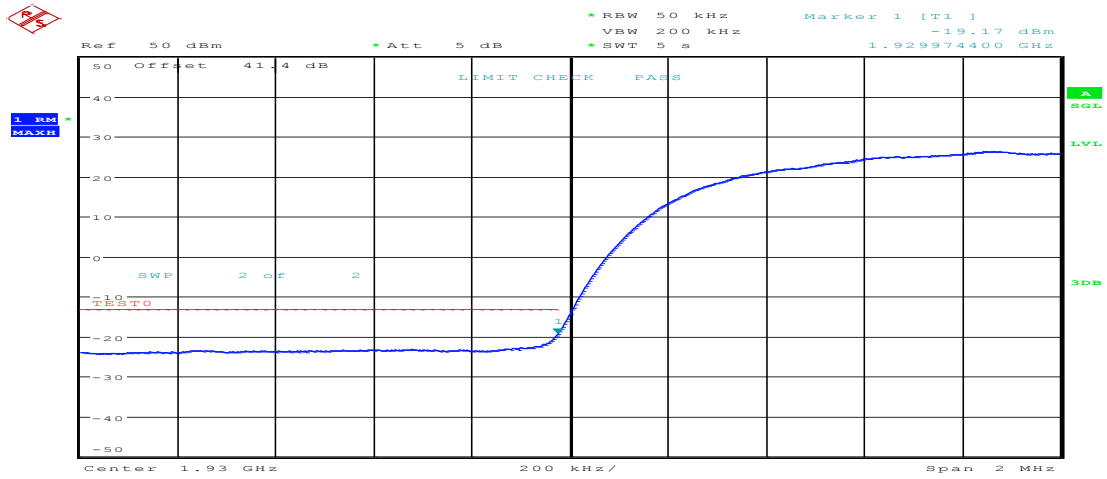
2.6 1U_T



Date: 14.APR.2014 15:16:55

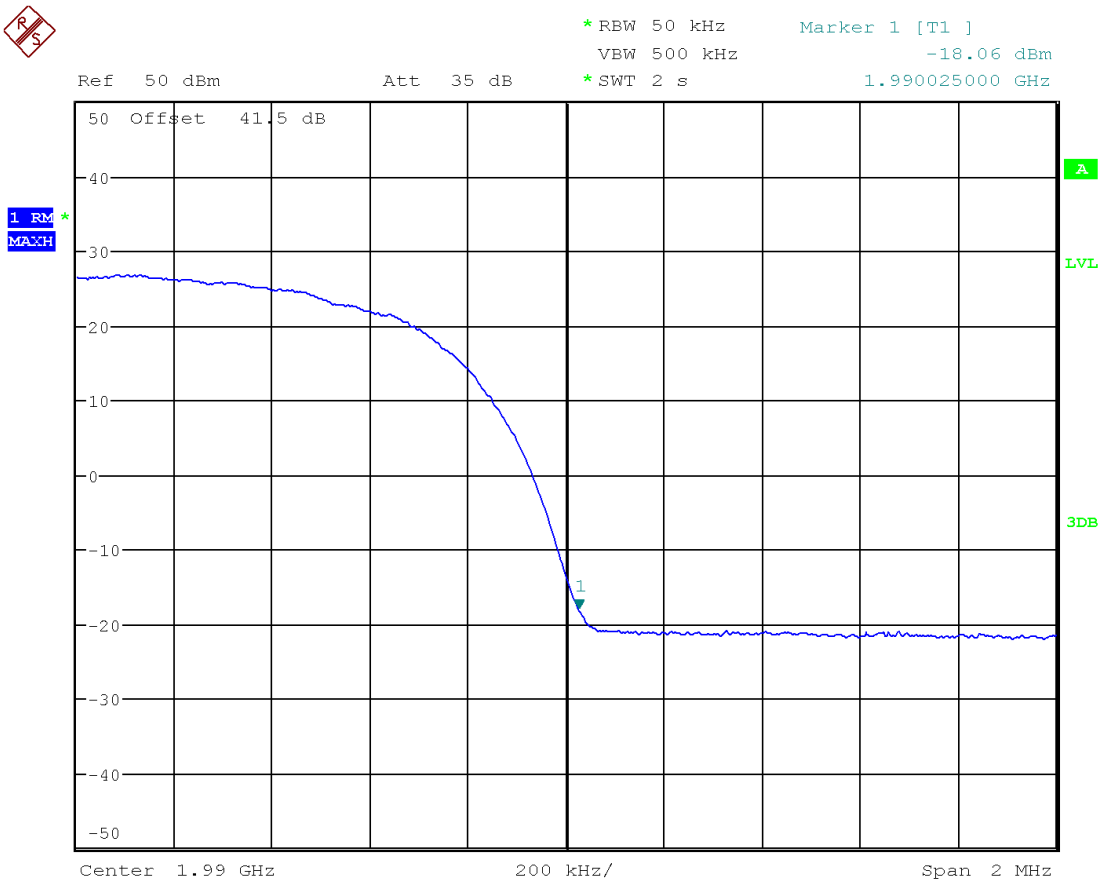
2.7 1U1L5M_30+30_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.05	RMS	Pass	625



Date: 11.APR.2014 20:44:17

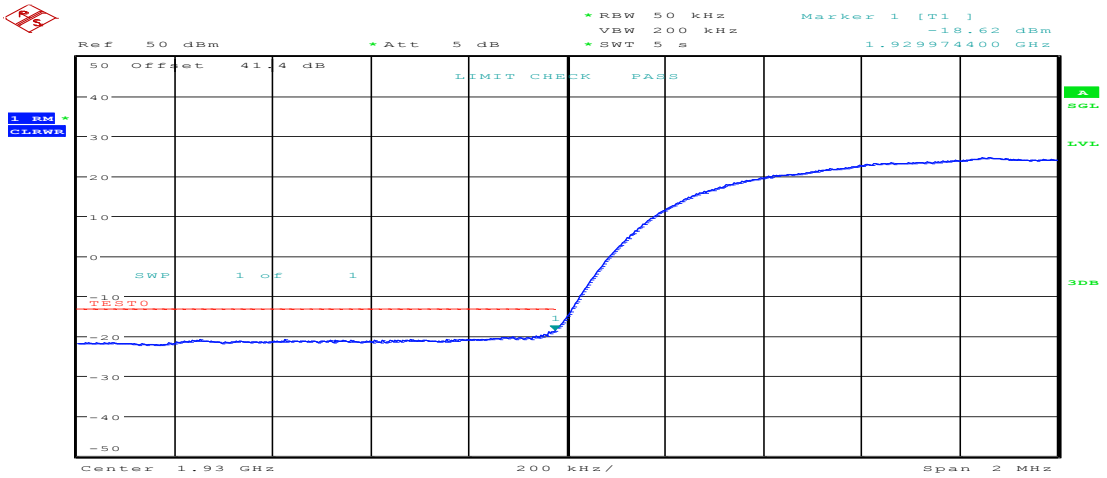
2.8 1U1L5M_30+30_T



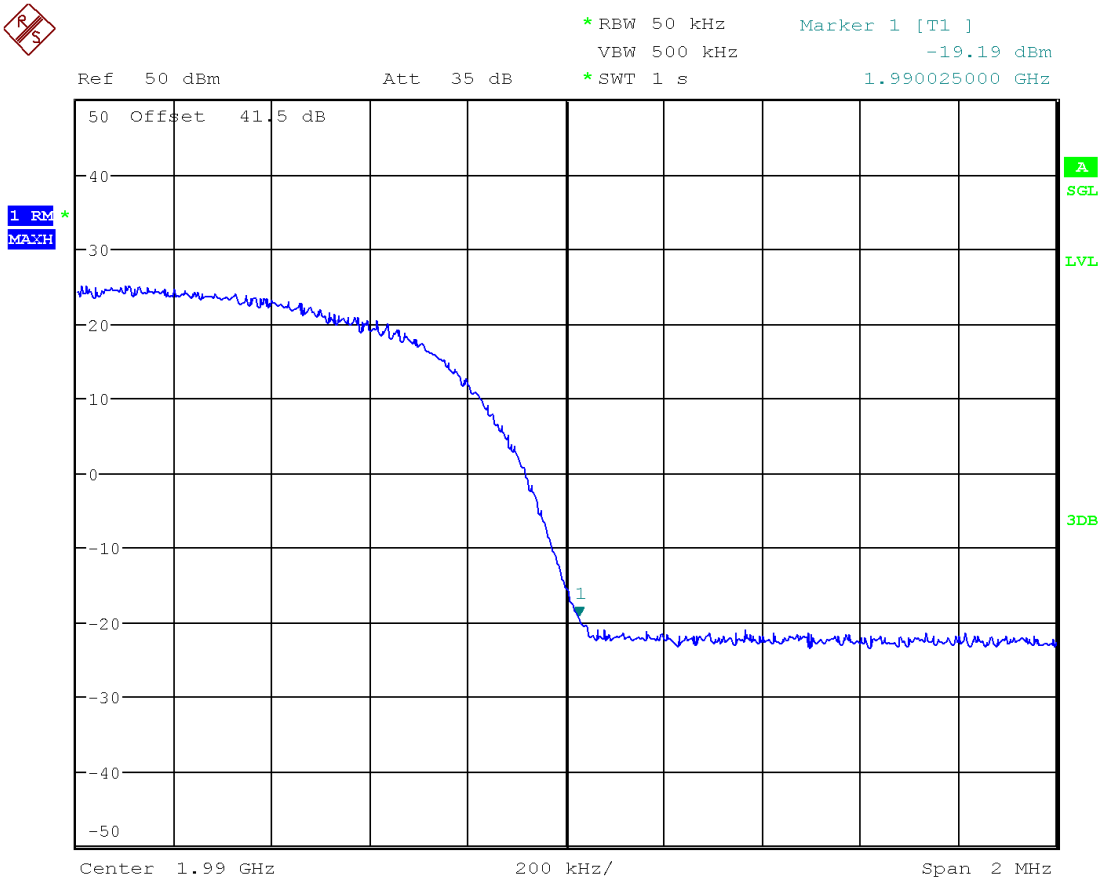
2.9 1U1L5M_20+40_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.05	RMS	Pass	625

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point



2.10 1U1L5M_20+40_T



Appendix D: Spurious Emission at Antenna Terminals

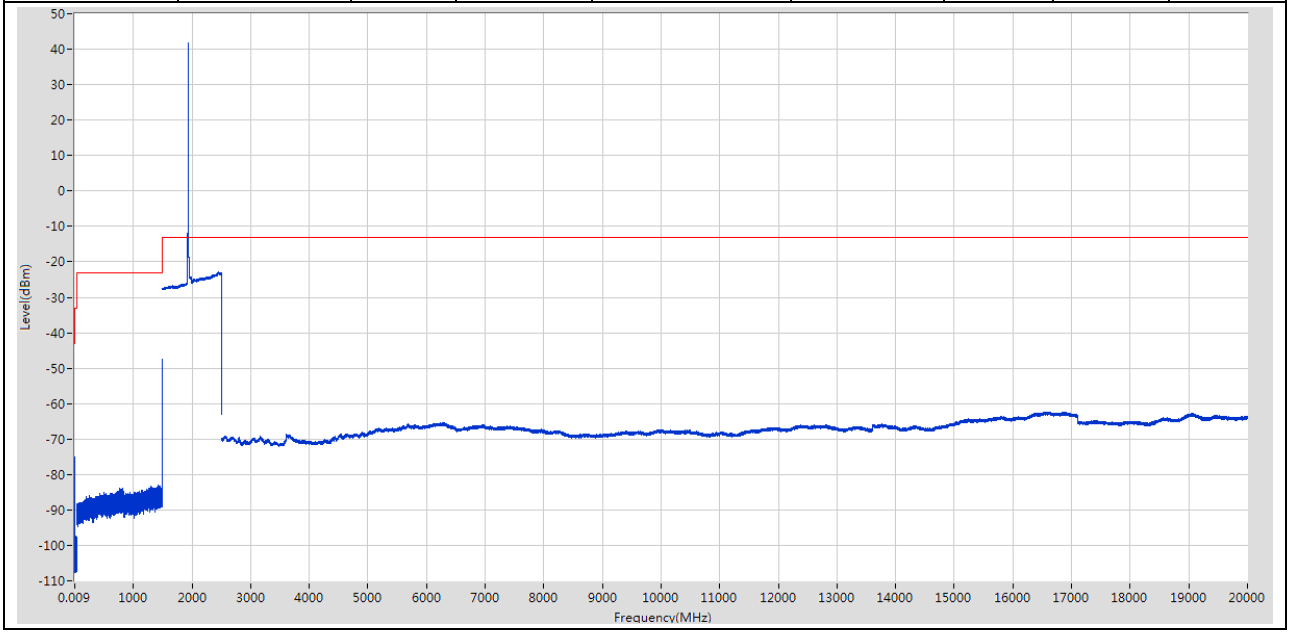
1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
1L5M_B	<-13	Pass
1L5M_T	<-13	Pass
1U_B	<-13	Pass
1U_T	<-13	Pass
1U1L5M_30+30_B	<-13	Pass
1U1L5M_30+30_T	<-13	Pass

2 Test Plot

2.1 1L5M_B

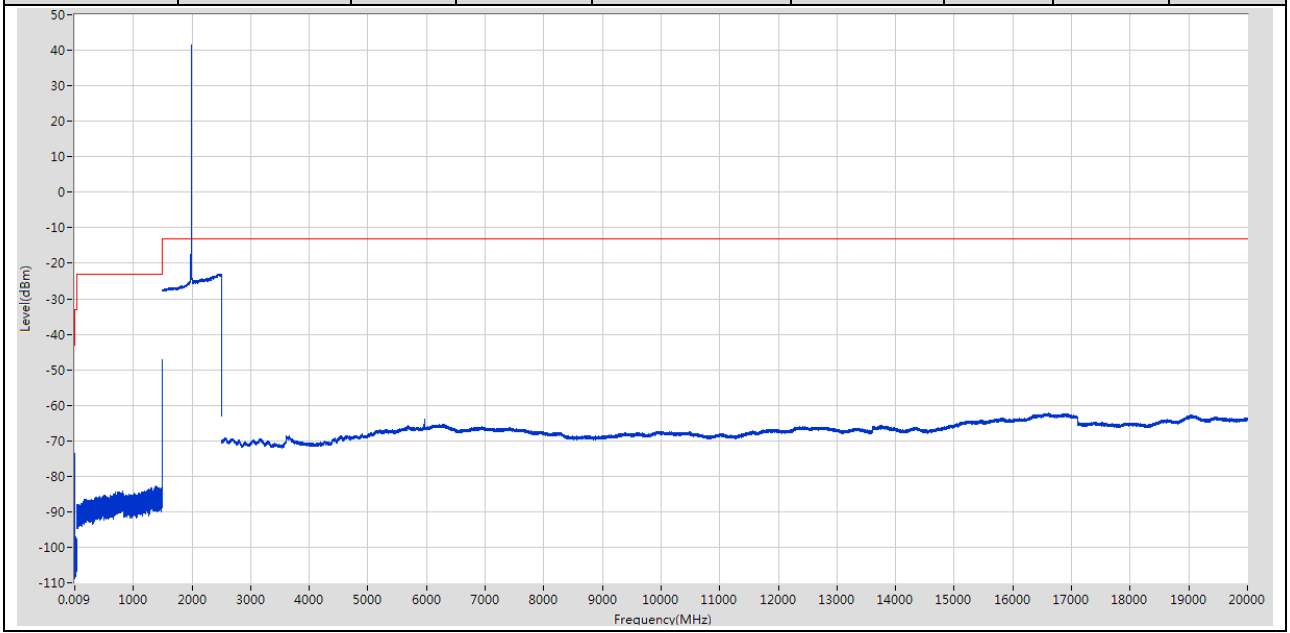
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-75.05	-43	Pass	1001
0.15	30	0.01	RMS	1.800111 M	-75.91	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-47.49	-23	Pass	73500
1500	2500	1	RMS	1933.886777 M	41.64	-13	---	5000
2500	20000	1	RMS	16593.352325 M	-62.29	-13	Pass	87500



2.2 1L5M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.564 k	-75.88	-43	Pass	1001
0.15	30	0.01	RMS	154 k	-73.71	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-47.21	-23	Pass	73500
1500	2500	1	RMS	1988.4977 M	41.4	-13	---	5000
2500	20000	1	RMS	16614.552855 M	-62.22	-13	Pass	87500

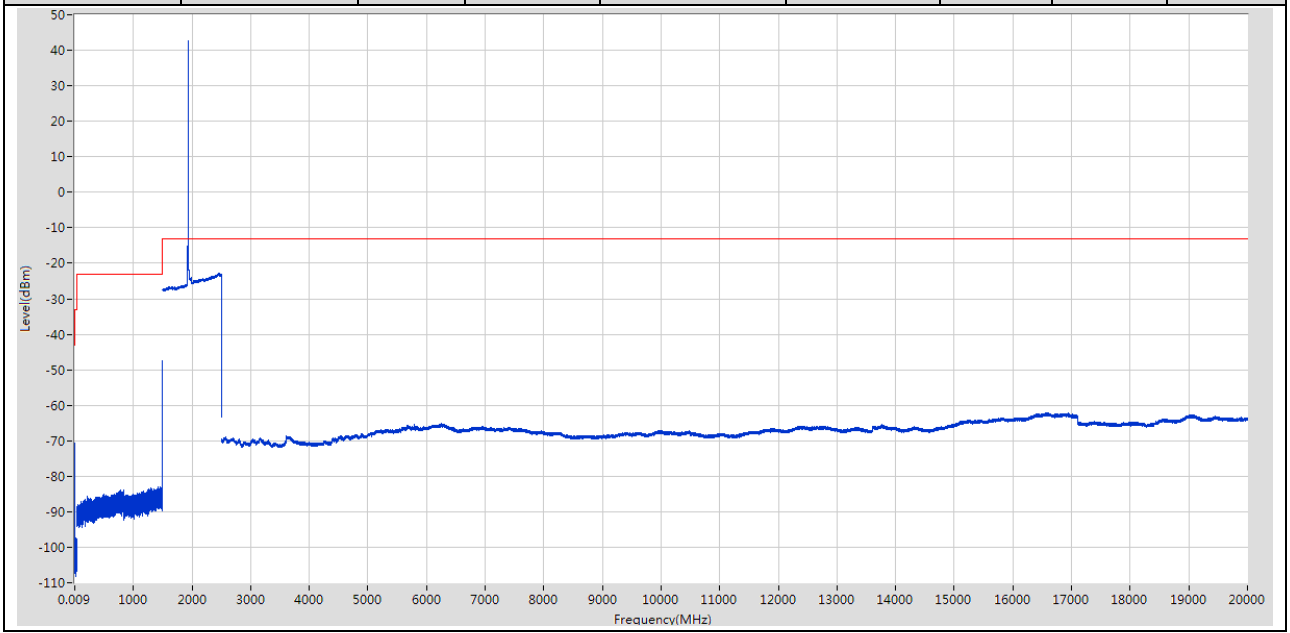
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



2.3 1U_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-73.58	-43	Pass	1001
0.15	30	0.01	RMS	156 k	-70.55	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-47.35	-23	Pass	73500
1500	2500	1	RMS	1932.486497 M	42.74	-13	---	5000
2500	20000	1	RMS	16569.15172 M	-62.15	-13	Pass	87500

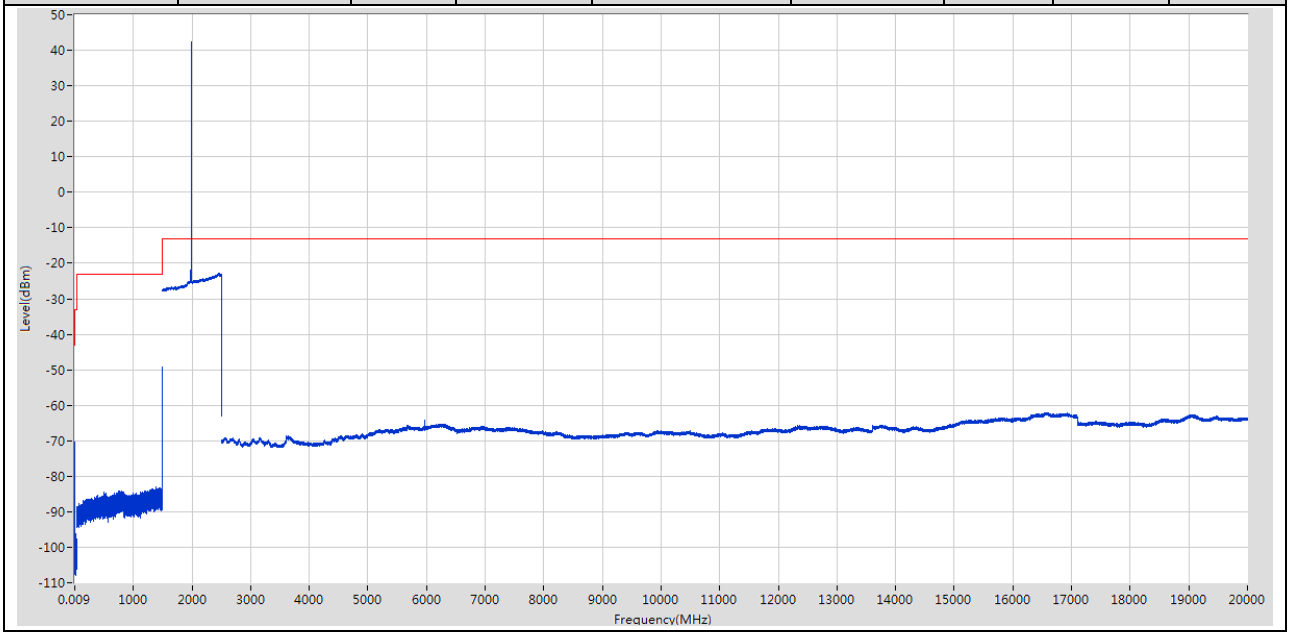
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



2.4 1U_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.41 k	-75.69	-43	Pass	1001
0.15	30	0.01	RMS	154 k	-70.46	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-49.13	-23	Pass	73500
1500	2500	1	RMS	1987.497499 M	42.47	-13	---	5000
2500	20000	1	RMS	16613.752835 M	-62.16	-13	Pass	87500

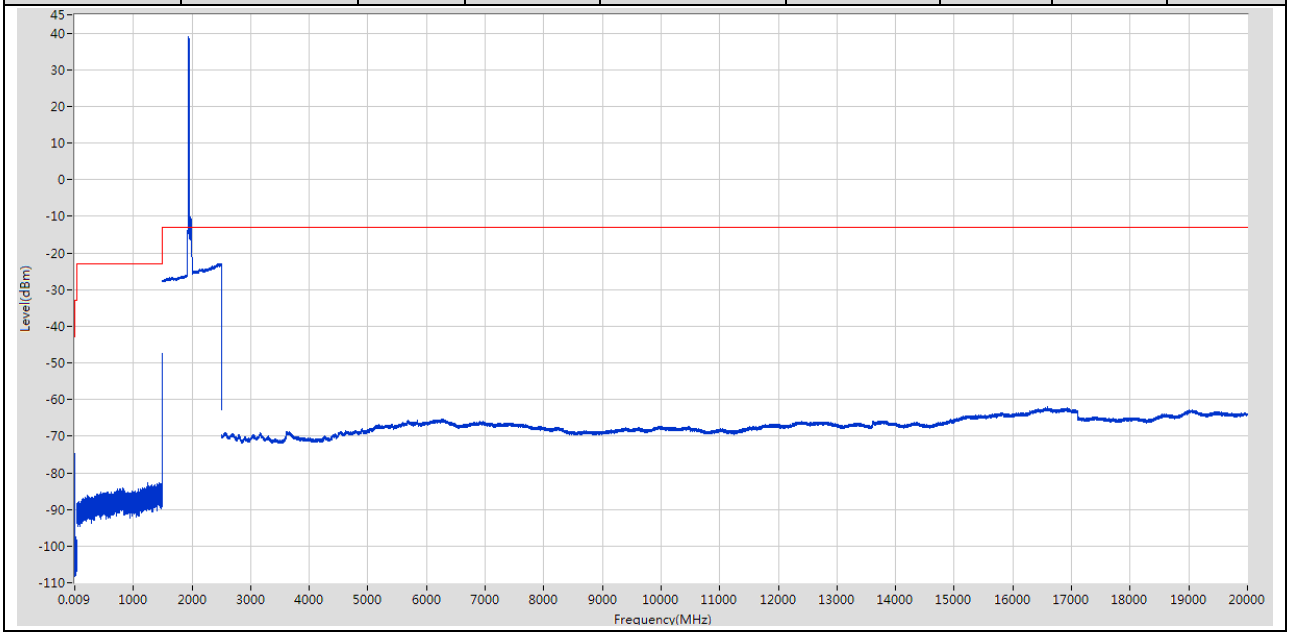
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



2.5 1U1L5M_30+30_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-74.6	-43	Pass	1001
0.15	30	0.01	RMS	1.800111 M	-74.93	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-47.46	-23	Pass	73500
1500	2500	1	RMS	1932.886577 M	39.16	-13	---	5000
2500	20000	1	RMS	16589.15222 M	-62.07	-13	Pass	87500

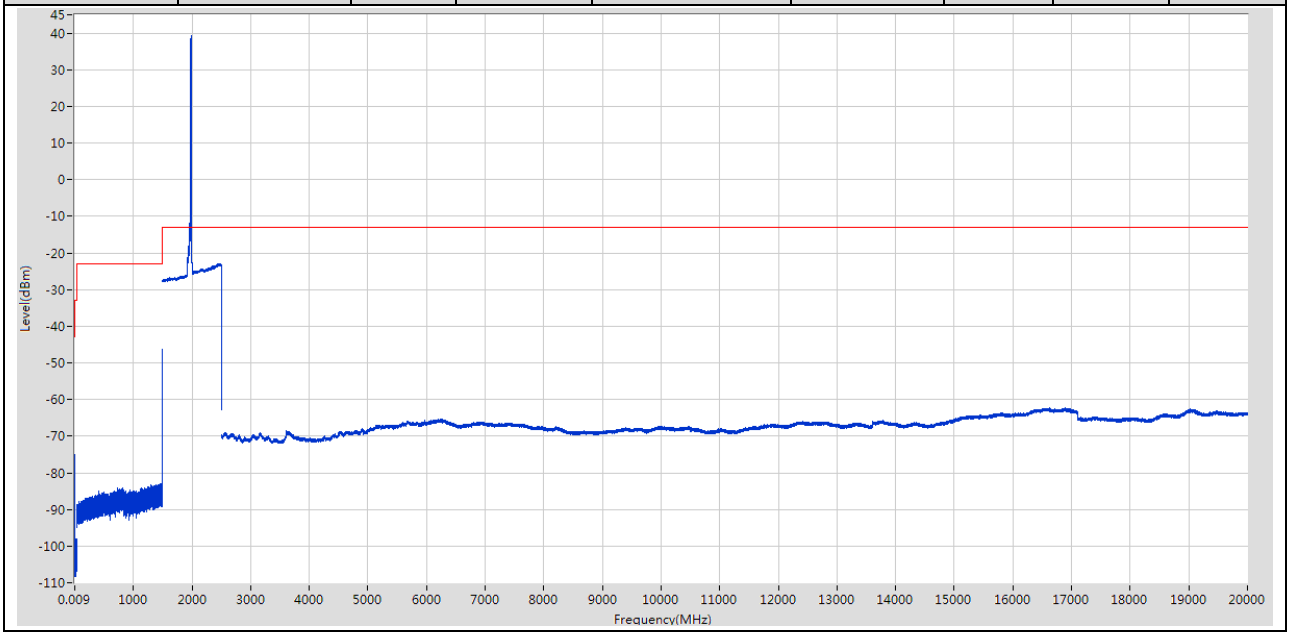
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



2.6 1U1L5M_30+30_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.846 k	-76.72	-43	Pass	1001
0.15	30	0.01	RMS	1.800111 M	-75.06	-33	Pass	14925
30	1500	0.1	RMS	1500 M	-46.31	-23	Pass	73500
1500	2500	1	RMS	1987.69754 M	39.35	-13	---	5000
2500	20000	1	RMS	16896.959915 M	-62.32	-13	Pass	87500

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point



Appendix E: Field Strength of Spurious Radiation

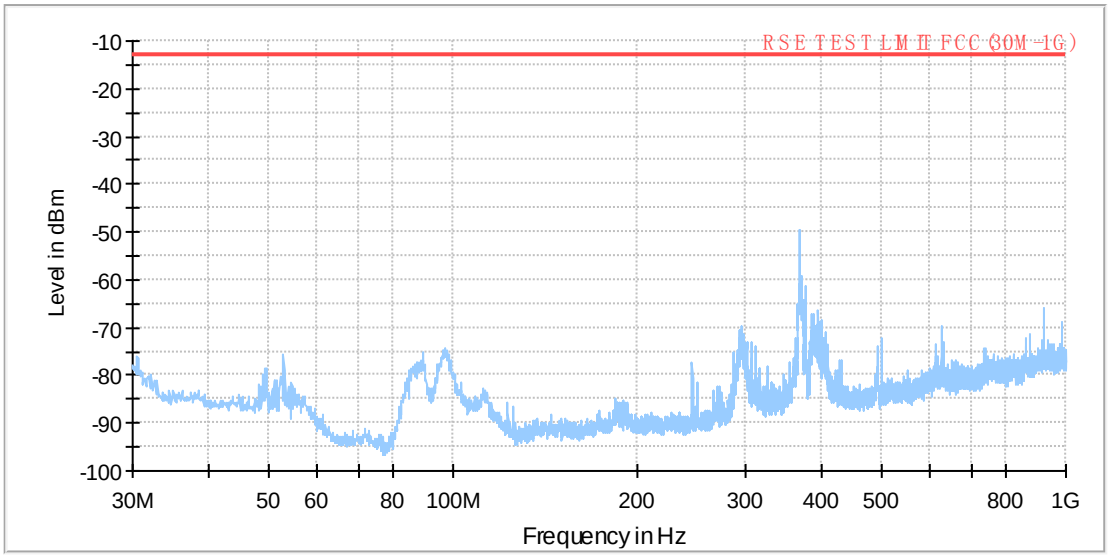
1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
1U_M	< -13	Pass
1L5M_M	< -13	Pass
1U1L5M_30+30_M	< -13	Pass

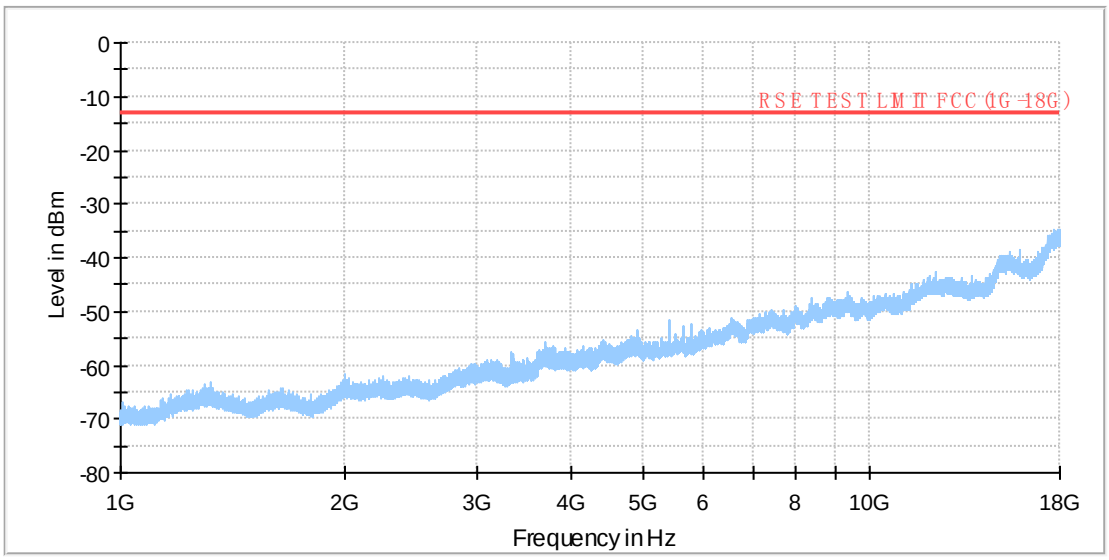
2 Test Plot

2.1 1U_M

RSE TEST FCC(30M-1G)

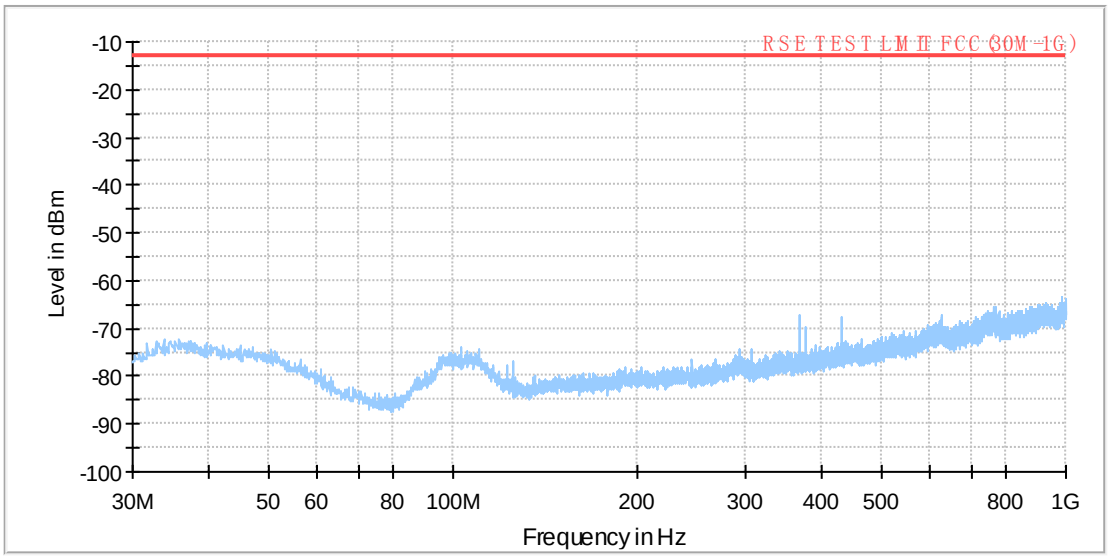


RSE TEST FCC(1G-18G)

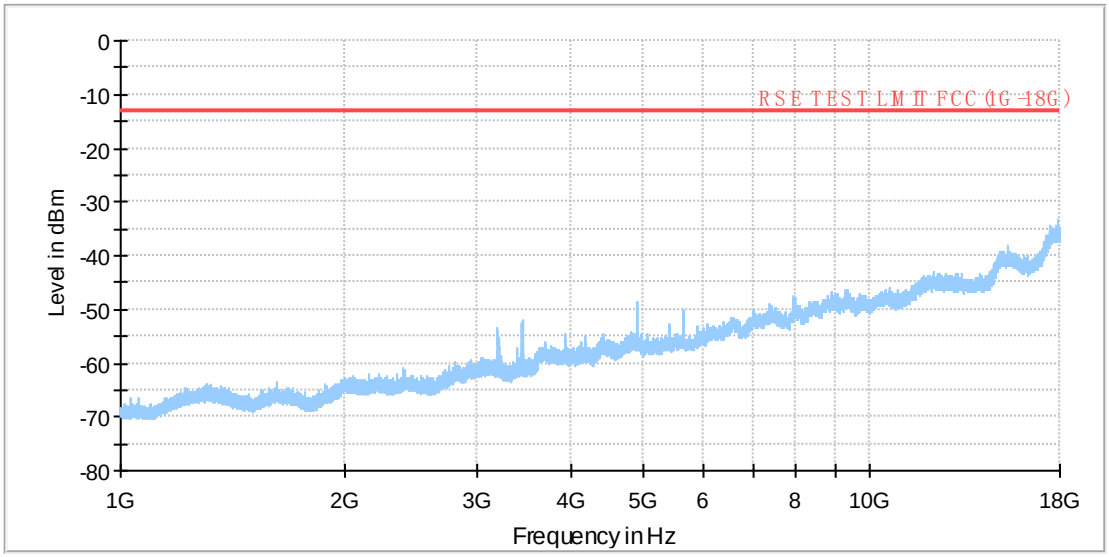


2.2 1L5M_M

RSE TEST FCC(30M-1G)

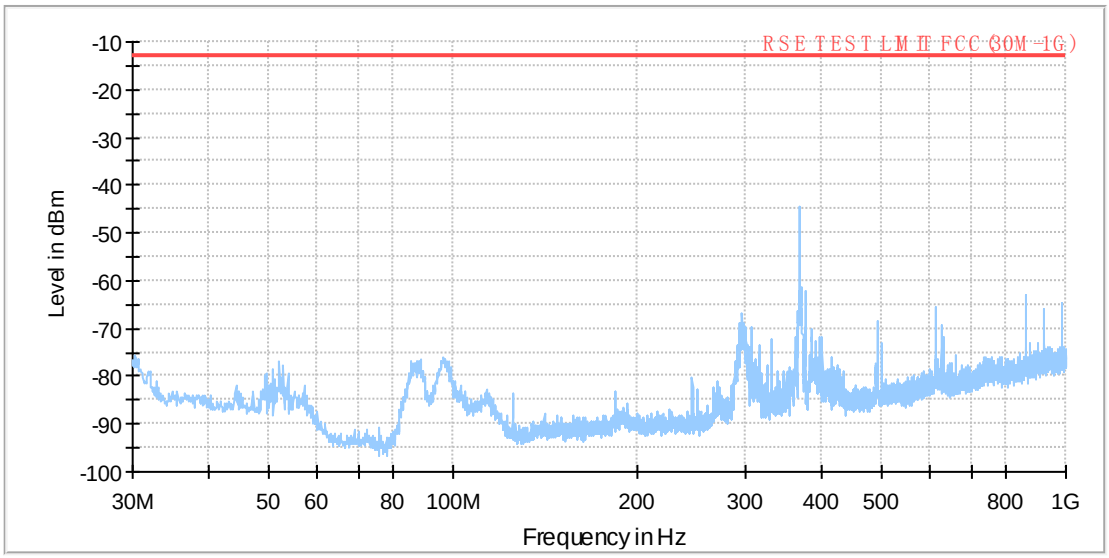


RSE TEST FCC(1G-18G)

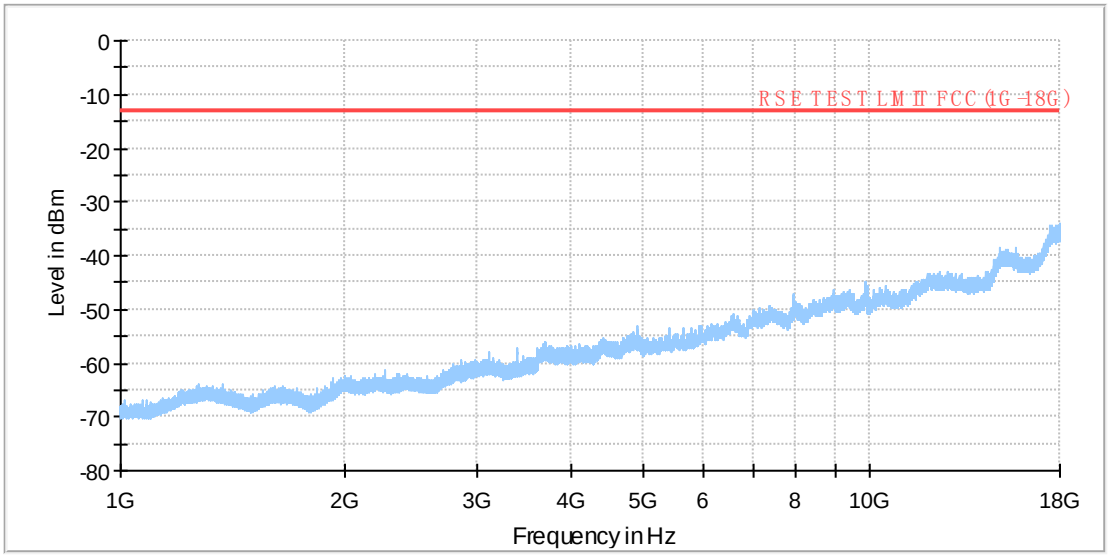


2.3 1U1L5M_30+30_M

RSE TEST FCC(30M-1G)



RSE TEST FCC(1G-18G)



Appendix F: Frequency Stability

1 Result Table

1.1 Frequency Error

(1) Frequency Error vs. Temperature:

EUT Conf.	Voltage	Temperature	Freq. Error, f(offset) [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L5M_M	100%	-30 °C	7.21	0.0036786	0.0051071	Pass
		-20 °C	-4.07	-0.0020765	-0.000648	Pass
		-10 °C	-6.90	-0.0035204	-0.0020918	Pass
		0 °C	-6.59	-0.0033622	-0.0019337	Pass
		+10 °C	-1.77	-0.0009031	0.0005255	Pass
		+20 °C	-2.80	-0.0014286	---	Pass
		+30 °C	-4.64	-0.0023673	-0.0009388	Pass
		+40 °C	-5.66	-0.0028878	-0.0014592	Pass
		+50 °C	-8.70	-0.0044388	-0.0030102	Pass

(2) Frequency Error vs. Voltage:

EUT Conf.	Temperature	Voltage	Freq. Error, f(offset) [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L5M_M	+20 °C	85 %	-2.75	-0.0014031	0.0064847	Pass
		100 %	-15.46	-0.0078878	---	Pass
		115 %	-1.16	-0.0005918	0.0072959	Pass

1.2 Frequency Range

(Not applicable)

2 Test Plot

NOTE: Only the test plots for the measurements of Frequency Range are supplied.

(Not applicable)

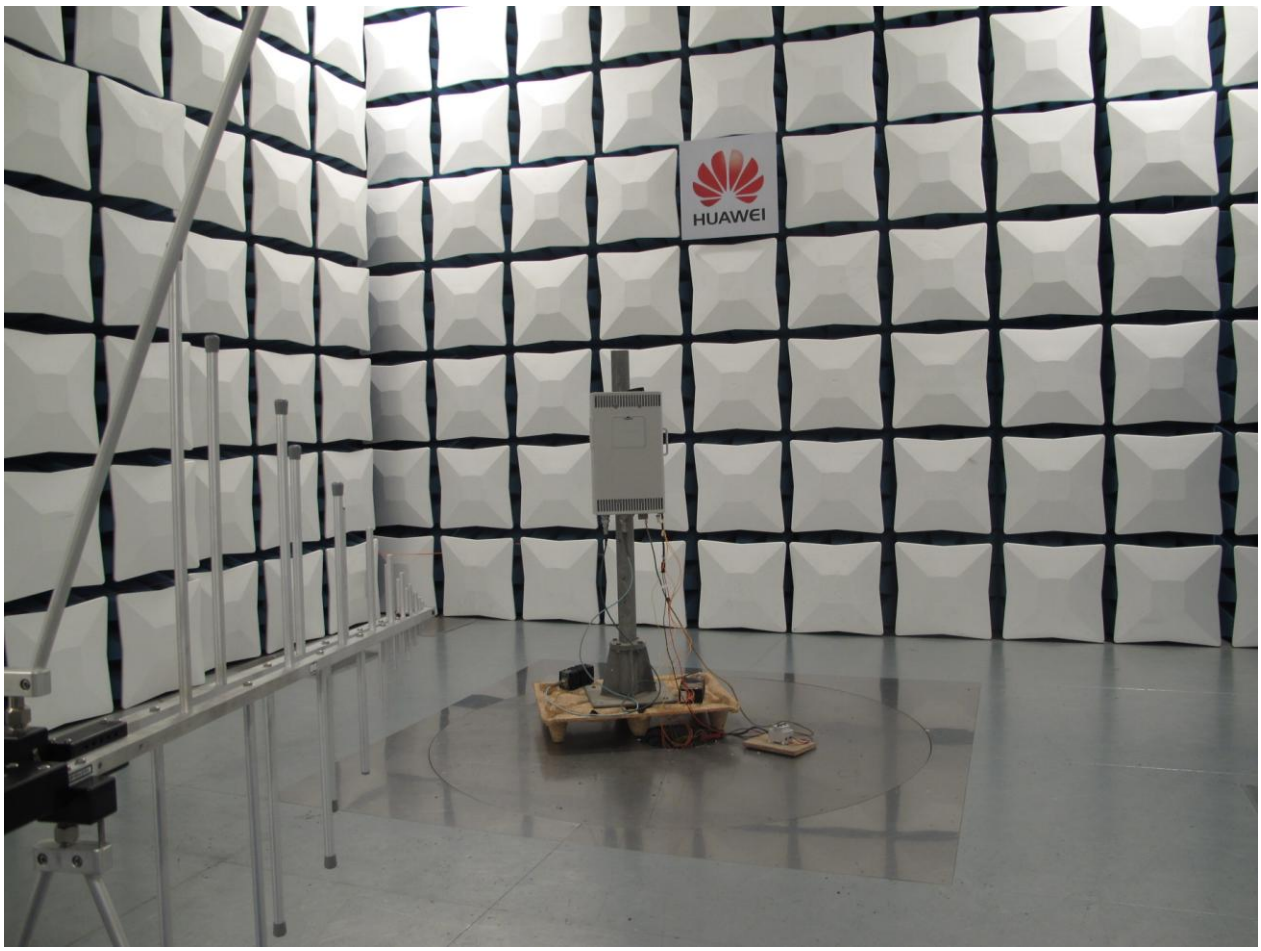
Appendix G: Receiver Spurious Emissions

(Not applicable)

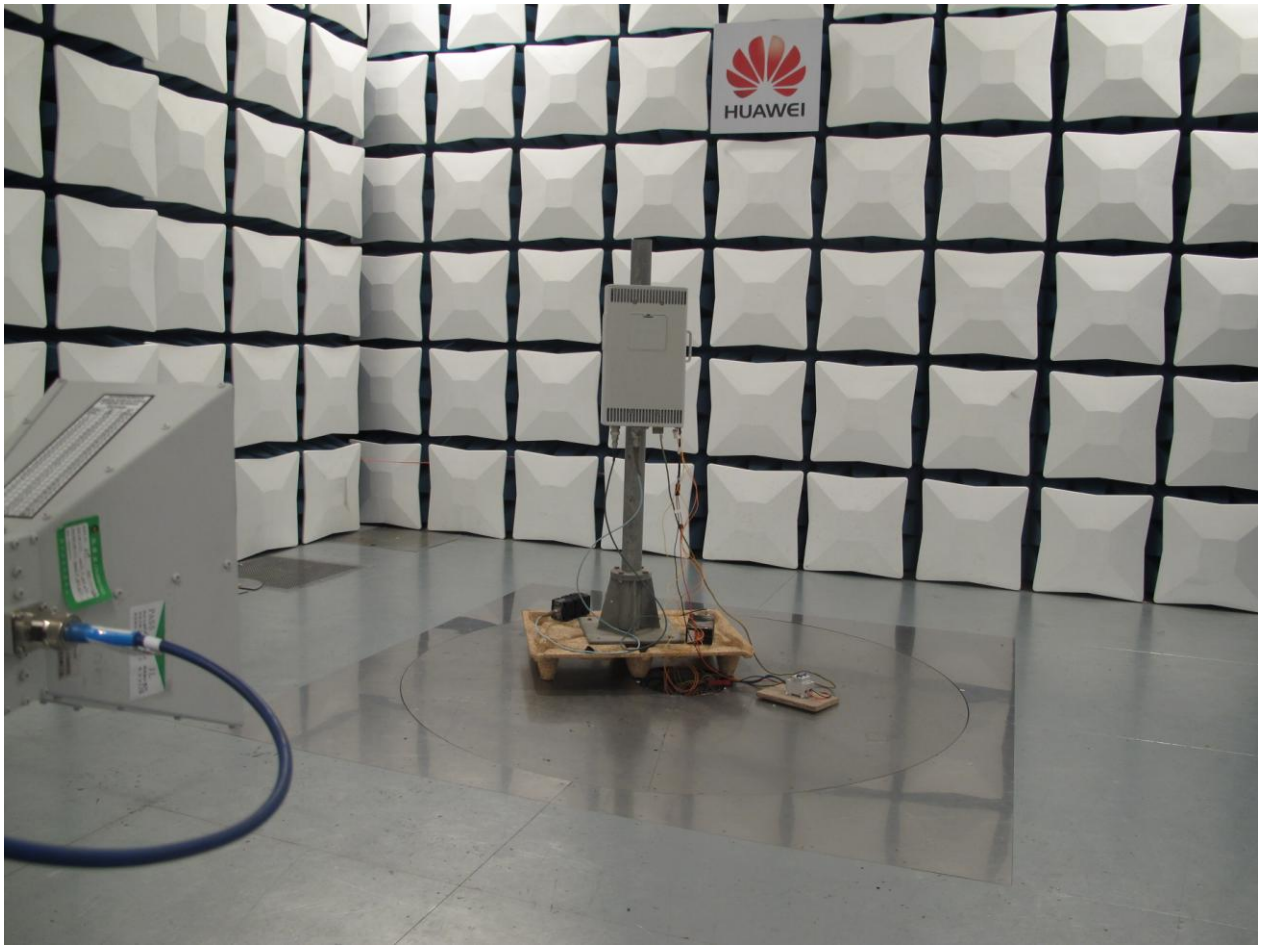
Appendix H: Photos of Test Setups

1 Test Setup 3

1.1 Frequency range below 1 GHz



1.2 Frequency range above 1 GHz



END