



Appendix A: Transmitter Output Power



1 Result Table

1.1 Average Power (Total)

1.1.1 For test number SYBH(R)00666679

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

NOTE 2: The antenna Gain is the the recommended maximum gain with the measured total power. When the EUT is put into service, the practical maximum antenna gain will be changed with the actual antenna conducted power, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

EUT Conf.	Average Power [dBm]	Verdict
1U_B	48.57	Pass
1U_M	48.43	Pass
1U_T	48.64	Pass
2U_B	45.45/45.68	Pass
2U_M	45.42/45.39	Pass
2U_T	45.71/45.5	Pass
3U_B	42.46/42.7/42.78	Pass
3U_T	42.68/42.69/42.47	Pass
1G_GMSK_B	48.01	Pass
1G_GMSK_M	48.33	Pass
1G_GMSK_T	48.19	Pass
2G_GMSK_B	45.08/45.35	Pass
2G_GMSK_M	45.48/45.45	Pass
2G_GMSK_T	45.65/45.45	Pass
3G_GMSK_B	43.33/43.48/43.46	Pass
3G_GMSK_M	43.4/43.35/43.37	Pass
3G_GMSK_T	43.62/43.35/43.06	Pass
4G_GMSK_B	41.67/41.96/42.09/42.12	Pass
4G_GMSK_M	41.93/42.01/41.97/41.88	Pass
4G_GMSK_T	42.22/42.23/42.13/41.93	Pass
5G_GMSK_B	40.52/40.93/41.1/41.21/41	Pass
5G_GMSK_M	40.9/41.13/41.1/41.08/40.82	Pass
5G_GMSK_T	41.07/41.24/41.15/40.9/40.43	Pass
6G_GMSK_B	38.97/39.55/39.68/39.82/39.85/39.49	Pass
6G_GMSK_M	39.51/39.89/39.88/39.86/39.83/39.46	Pass
6G_GMSK_T	39.75/40.12/40.07/39.91/39.72/39.09	Pass
7G_GMSK_B	36.94/37.2/37.15/37.31/37.28/37.29/37.46	Pass
7G_GMSK_M	37.11/37.15/37.16/37.14/37.07/37.24/37.08	Pass
7G_GMSK_T	37.45/37.35/37.5/37.37/37.43/37.15/36.99	Pass
8G_GMSK_B	36.27/36.39/36.55/36.4/36.5/36.54/36.54/36.6	Pass
8G_GMSK_M	36.22/36.35/36.24/36.25/36.2/36.27/36.25/36.09	Pass



EUT Conf.	Average Power [dBm]	Verdict
8G_GMSK_T	36.62/36.63/36.45/36.48/36.4/36.36/36.22/36.09	Pass
1G1U_B	1G:44.88 1U:45.61	Pass
1G1U_T	1G: 44.75 1U: 45.6	Pass
1G2U_B	1G: 44.9 2U: 42.43/42.62	Pass
1G2U_T	1G: 45.07 2U: 42.62/42.46	Pass
2G1U_B	2G:43.99/44.52 1U:42.66	Pass
2G1U_T	2G: 44.36/43.94 1U: 42.74	Pass
3G1U_B	3G:41.85/42.14/42.62 1U:42.69	Pass
3G1U_T	3G: 42.63/42.15/41.89 1U: 42.75	Pass

1.1.2 For test number SYBH(R)01271108

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

NOTE 2: The antenna gain is the recommended maximum gain with the measured total power. When the EUT is put into service, the practical maximum antenna gain will be changed with the actual antenna conducted power, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

The following configurations for 40 W (antenna port A) and 80 W (antenna port B) were tested on the two antenna ports and calculate the total power to verify the compliance with the standard.

EUT Conf.	Average Power [dBm]	Total Power[dBm]	Antenna Gain [dBi]	ERP [W]	Verdict
1U_80W_B_TM1_TRXB	48.84	50.62	8.51	500	Pass
1U_40W_B_TM1_TRXA	45.89				
1U_80W_M_TM1_TRXB	48.93	50.79	8.34	500	Pass
1U_40W_M_TM1_TRXA	46.23				
1U_80W_T_TM1_TRXB	48.9	50.62	8.51	500	Pass
1U_40W_T_TM1_TRXA	45.76				
1G_80W_B_TM1_TRXB	48.83	50.7	8.43	500	Pass
1G_40W_B_TM1_TRXA	46.14				
1G_80W_M_TM1_TRXB	48.82	50.74	8.39	500	Pass
1G_40W_M_TM1_TRXA	46.27				
1G_80W_T_TM1_TRXB	48.83	50.64	8.49	500	Pass



EUT Conf.	Average Power [dBm]	Total Power[dBm]	Antenna Gain [dBi]	ERP [W]	Verdict
1G_40W_T_TM1_TRXA	45.97				
1G1U_80W_B_TM1_TRXB	G:45.59 U:45.52	50.49	8.64	500	Pass
1G1U_40W_B_TM1_TRXA	G:43.09 U:42.94				
1G1U_80W_T_TM1_TRXB	G: 45.63 U: 45.58	50.6	8.53	500	Pass
1G1U_40W_T_TM1_TRXA	G: 43.31 U: 43.15				
1U1L_20M_80W_B_TM1_TRXB	1U:45.82 1L:45.84	50.74	8.39	500	Pass
1U1L_20M_40W_B_TM1_TRXA	1U:43.12 1L:42.85				

The following configurations were tested the conducted power on one antenna ports.

EUT Conf.	Average Power [dBm]	Total Power[dBm]	Verdict
1G1L_1.4M_60W_B_TM1_TRXA	1G: 44.81 1L: 45.3	48.07	Pass
1G1L_1.4M_60W_T_TM1_TRXA	1G: 45.17 1L: 44.72	47.96	Pass
1G1L_20M_60W_B_TM1_TRXA	1G:44.86 1L:45.16	48.02	Pass
3G1L_1.4M_60W_B_TM1_TRXA	3G: 40.75/41.05/41.45 1L: 43.62	47.89	Pass
3G1L_1.4M_60W_T_TM1_TRXA	3G: 41.21/41.16/40.66 1L: 43.46	47.79	Pass
3G1L_20M_60W_B_TM1_TRXA	3G:40.75/40.87/40.56 1L:43.49	47.62	Pass
1L_20M_60W_B_TM1_TRXB	1L: 48.2	48.2	Pass
1L_20M_60W_T_TM1_TRXB	1L: 48.27	48.27	Pass
4U_80W_B_TM1_TRXB	42.82/42.83/42.84/42.81	48.84	Pass
4U_80W_T_TM1_TRXB	42.85/42.77/42.85/42.75	48.83	Pass
3G1U_80W_B_TM1_TRXB	3G: 42.69/42.87/42.84 1U: 42.88	48.84	Pass
3G1U_80W_T_TM1_TRXB	3G: 42.88/42.74/42.58 1U: 42.86	48.78	Pass
1U1L_1.4M_80W_B_TM1_TRXB	1U:45.81 1L:45.91	48.87	Pass
1U1L_1.4M_80W_T_TM1_TRXB	1U: 45.86 1L: 45.88	48.88	Pass
3U1L_1.4M_80W_B_TM1_TRXB	3U:42.82/42.85/42.91	48.87	Pass



EUT Conf.	Average Power [dBm]	Total Power[dBm]	Verdict
	1L:42.81		
3U1L_1.4M_80W_T_TM1_TRXB	3U:42.86/42.84/42.89 1L:42.85	48.88	Pass

1.2 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio@0.1% [dB]	Verdict
1G_60W_B_TM1_TRXA	0.61	Pass
1G_60W_M_TM1_TRXA	0.61	Pass
1G_60W_T_TM1_TRXA	0.64	Pass
1G_60W_B_TM2_TRXA	3.37	Pass
1G_60W_M_TM2_TRXA	3.37	Pass
1G_60W_T_TM2_TRXA	3.43	Pass
1U_60W_B_TM1_TRXA	7.08	Pass
1U_60W_M_TM1_TRXA	7.02	Pass
1U_60W_T_TM1_TRXA	7.12	Pass
1L_1.4M_60W_B_TM1_TRXB	6.79	Pass
1L_1.4M_60W_M_TM1_TRXB	6.76	Pass
1L_1.4M_60W_T_TM1_TRXB	6.79	Pass
1L_3M_60W_B_TM1_TRXB	6.92	Pass
1L_3M_60W_M_TM1_TRXB	6.92	Pass
1L_3M_60W_T_TM1_TRXB	6.96	Pass
1L_5M_60W_B_TM1_TRXB	6.83	Pass
1L_5M_60W_M_TM1_TRXB	6.79	Pass
1L_5M_60W_T_TM1_TRXB	6.92	Pass
1L_10M_60W_B_TM1_TRXB	6.96	Pass
1L_10M_60W_M_TM1_TRXB	6.79	Pass
1L_10M_60W_T_TM1_TRXB	6.99	Pass
1L_15M_60W_B_TM1_TRXB	7.18	Pass
1L_15M_60W_T_TM1_TRXB	7.18	Pass
1L_20M_60W_B_TM1_TRXB	7.12	Pass
1L_20M_60W_T_TM1_TRXB	7.02	Pass



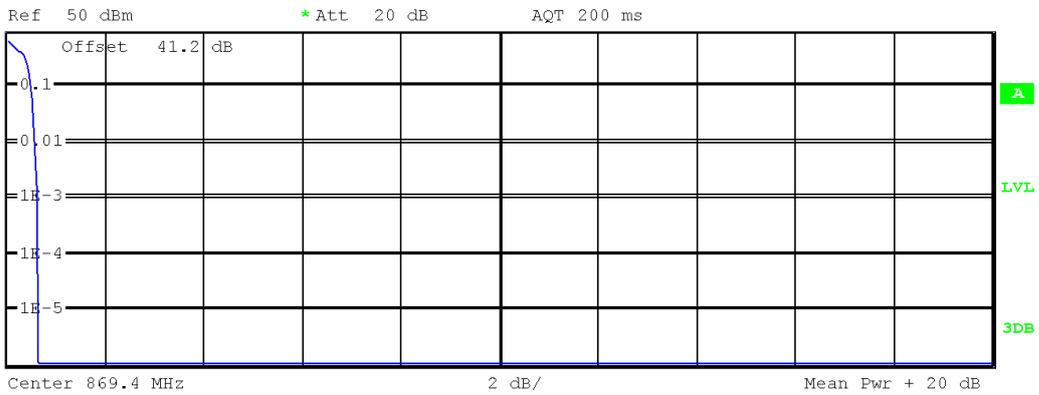
2 Test Plot

2.1.1 1G_60W_B_TM1_TRXA



RBW 300 kHz

1 SA
CLRWR



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

Trace 1		
Mean	47.82	dBm
Peak	48.44	dBm
Crest	0.62	dB
10 %	0.48	dB
1 %	0.58	dB
.1 %	0.61	dB
.01 %	0.64	dB

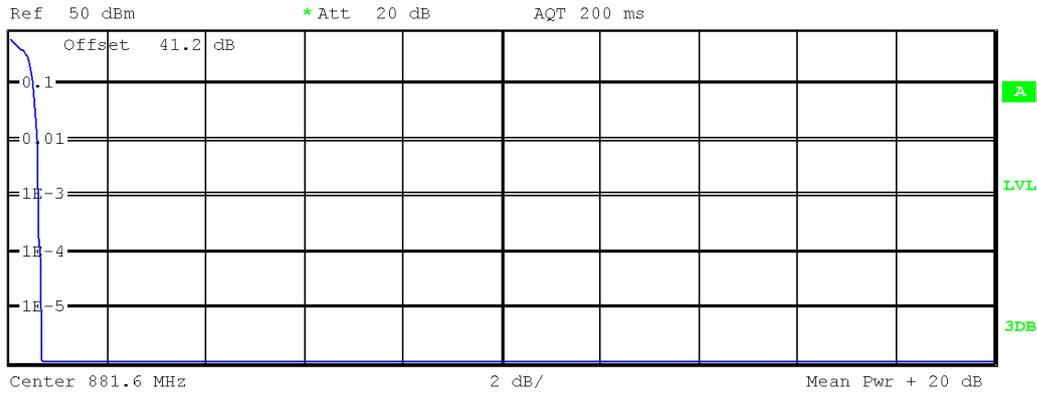
Date: 14.MAR.2014 16:27:41



2.1.2 1G_60W_M_TM1_TRXA



REW 300 kHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

	Trace 1	
Mean	47.98	dBm
Peak	48.65	dBm
Crest	0.67	dB
10 %	0.48	dB
1 %	0.58	dB
.1 %	0.61	dB
.01 %	0.64	dB

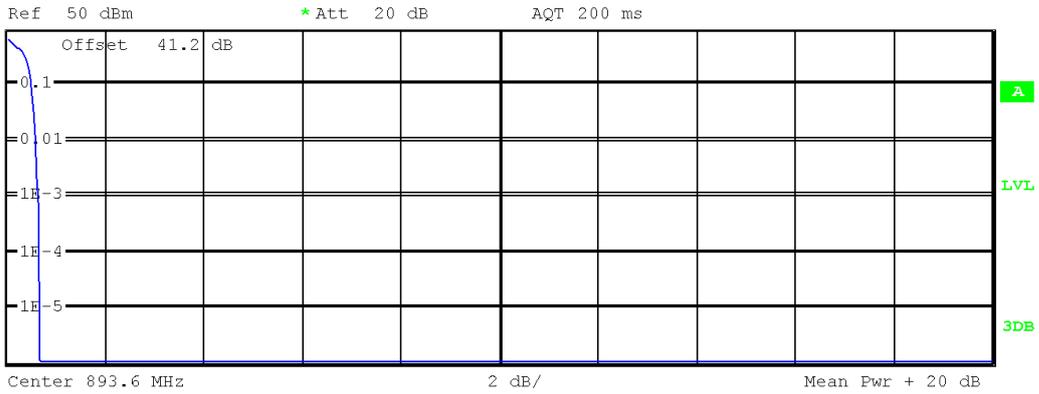
Date: 14.MAR.2014 16:25:11



2.1.3 1G_60W_T_TM1_TRXA



REW 300 kHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

	Trace 1	
Mean	47.92	dBm
Peak	48.58	dBm
Crest	0.66	dB
10 %	0.48	dB
1 %	0.58	dB
.1 %	0.64	dB
.01 %	0.67	dB

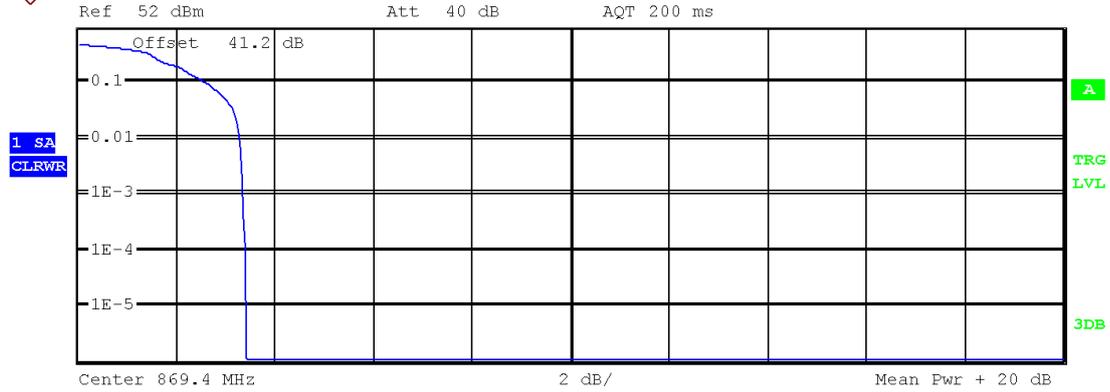
Date: 14.MAR.2014 16:22:13



2.1.4 1G_60W_B_TM2_TRXA



REW 300 kHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

	Trace 1	
Mean	47.90	dBm
Peak	51.31	dBm
Crest	3.41	dB
10 %	2.60	dB
1 %	3.27	dB
.1 %	3.37	dB
.01 %	3.40	dB

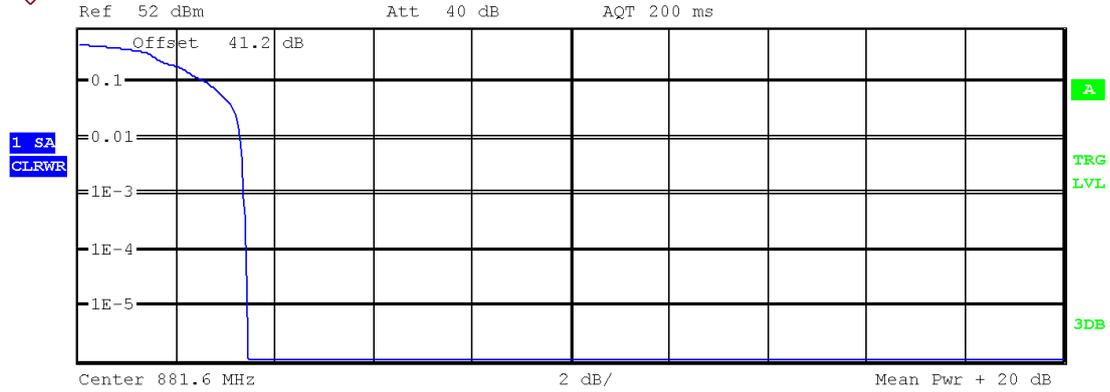
Date: 18.MAR.2014 10:29:12



2.1.5 1G_60W_M_TM2_TRXA



REW 300 kHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

	Trace 1	
Mean	47.95	dBm
Peak	51.38	dBm
Crest	3.43	dB
10 %	2.63	dB
1 %	3.30	dB
.1 %	3.37	dB
.01 %	3.43	dB

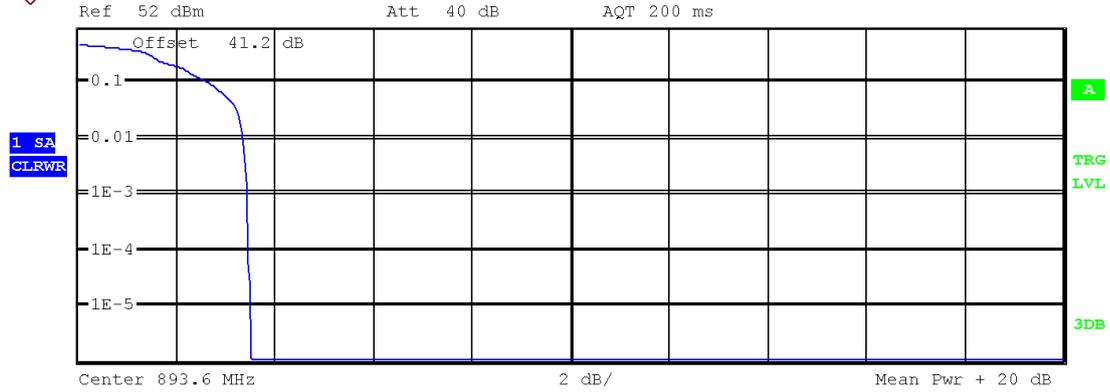
Date: 18.MAR.2014 10:30:41



2.1.6 1G_60W_T_TM2_TRXA



REW 300 kHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 315kHz

	Trace 1	
Mean	47.79	dBm
Peak	51.31	dBm
Crest	3.52	dB
10 %	2.66	dB
1 %	3.37	dB
.1 %	3.43	dB
.01 %	3.46	dB

Date: 18.MAR.2014 10:33:42



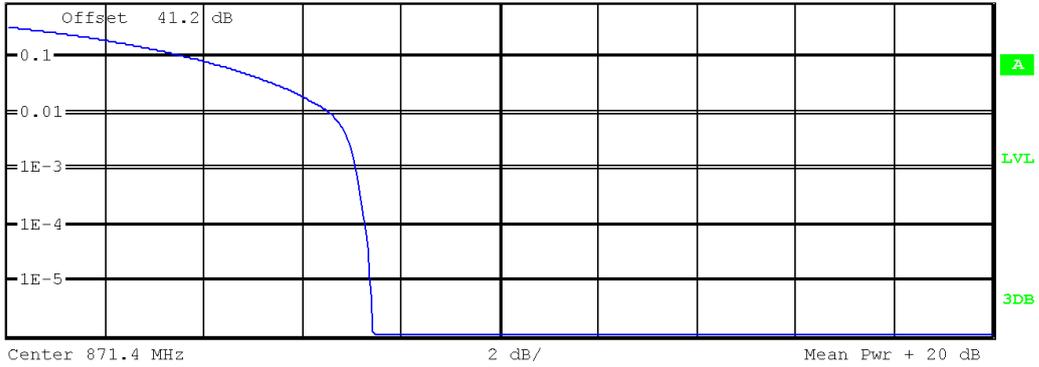
2.1.7 1U_60W_B_TM1_TRXA



REW 10 MHz

Ref 55.2 dBm *Att 20 dB AQT 6.25 ms

1 SA
 CLRWR



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

Trace 1	
Mean	48.44 dBm
Peak	55.87 dBm
Crest	7.43 dB
10 %	3.78 dB
1 %	6.57 dB
.1 %	7.08 dB
.01 %	7.28 dB

Date: 14.MAR.2014 14:42:42

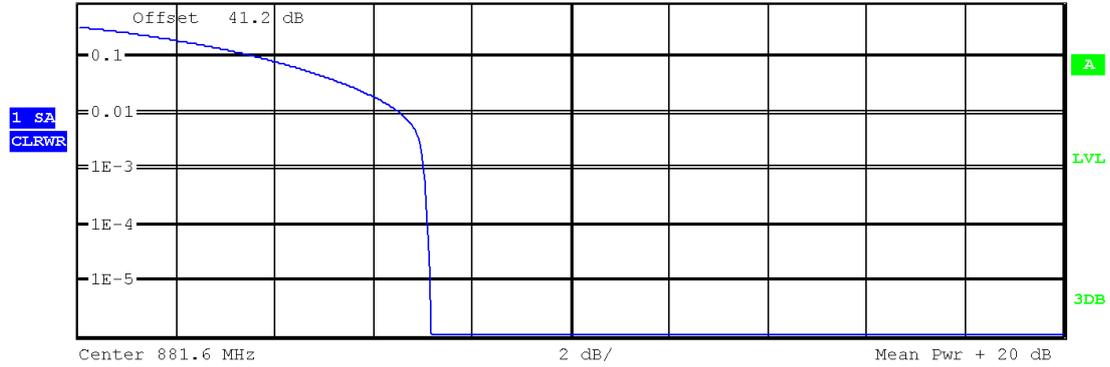


2.1.8 1U_60W_M_TM1_TRXA



REW 10 MHz

Ref 55.2 dBm *Att 20 dB AQT 6.25 ms



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

Trace 1	
Mean	48.30 dBm
Peak	55.45 dBm
Crest	7.15 dB
10 %	3.75 dB
1 %	6.57 dB
.1 %	7.02 dB
.01 %	7.12 dB

Date: 14.MAR.2014 14:46:58

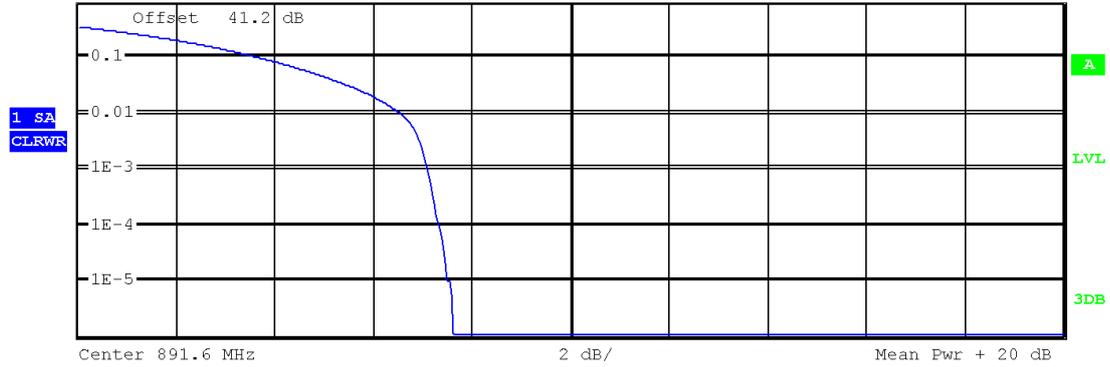


2.1.9 1U_60W_T_TM1_TRXA



REW 10 MHz

Ref 56.2 dBm *Att 20 dB AQT 6.25 ms



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

	Trace 1	
Mean	48.32	dBm
Peak	55.94	dBm
Crest	7.62	dB
10 %	3.75	dB
1 %	6.54	dB
.1 %	7.12	dB
.01 %	7.34	dB

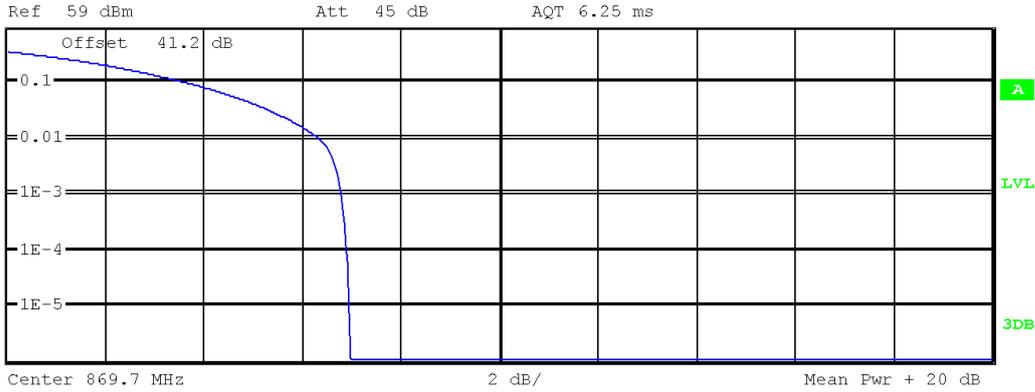
Date: 14.MAR.2014 14:49:56



2.1.10 1L_1.4M_60W_B_TM1_TRXB



REW 10 MHz



1 SA
 CLRWR

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

	Trace 1	
Mean	48.30	dBm
Peak	55.25	dBm
Crest	6.95	dB
10 %	3.69	dB
1 %	6.35	dB
.1 %	6.79	dB
.01 %	6.89	dB

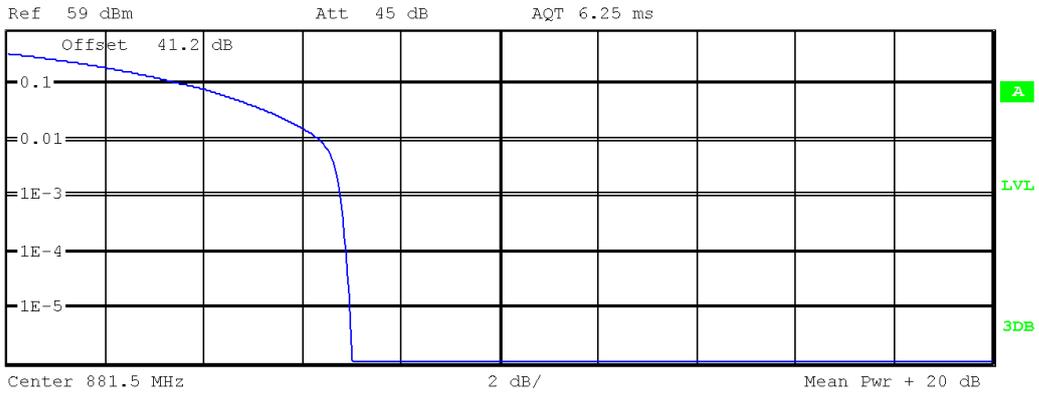
Date: 18.MAR.2014 09:21:13



2.1.11 1L_1.4M_60W_M_TM1_TRXB



REW 10 MHz



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

	Trace 1	
Mean	48.20	dBm
Peak	55.19	dBm
Crest	6.99	dB
10 %	3.69	dB
1 %	6.35	dB
.1 %	6.76	dB
.01 %	6.89	dB

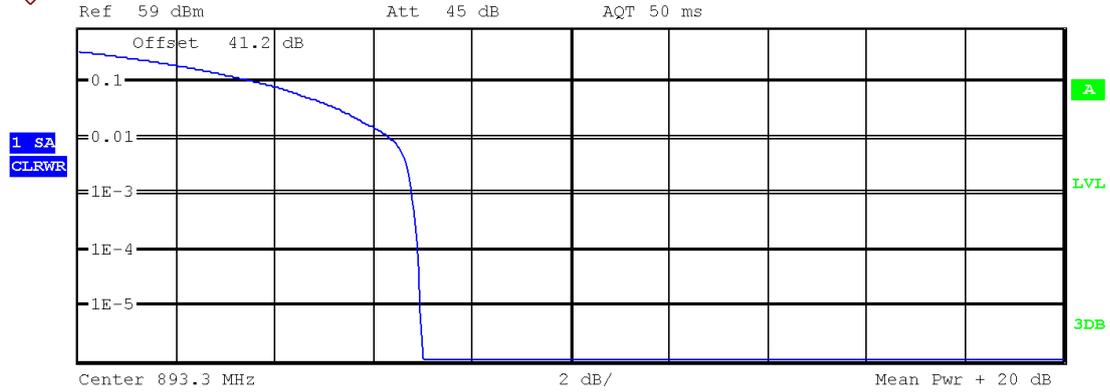
Date: 18.MAR.2014 09:24:03



2.1.12 1L_1.4M_60W_T_TM1_TRXB



REW 2 MHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 1.7MHz

	Trace 1	
Mean	47.79	dBm
Peak	54.78	dBm
Crest	7.00	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.79	dB
.01 %	6.89	dB

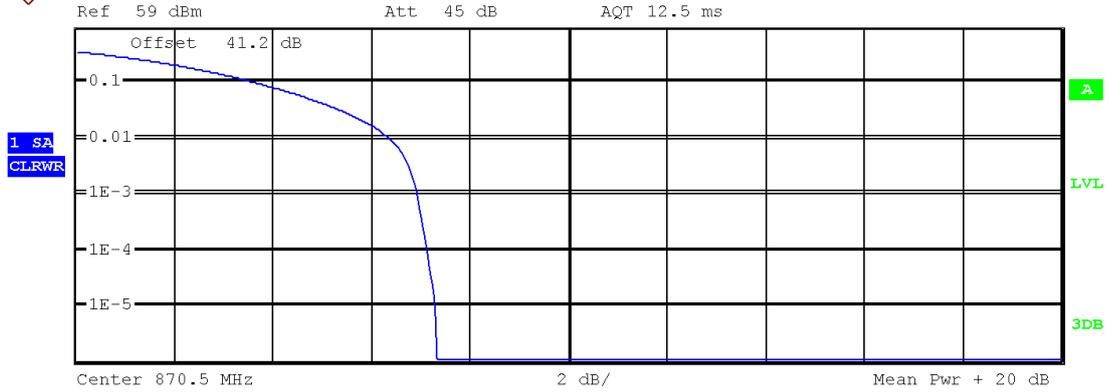
Date: 18.MAR.2014 09:26:08



2.1.13 1L_3M_60W_B_TM1_TRXB



REW 5 MHz



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

Trace 1	
Mean	48.10 dBm
Peak	55.42 dBm
Crest	7.32 dB
10 %	3.69 dB
1 %	6.38 dB
.1 %	6.92 dB
.01 %	7.15 dB

Date: 18.MAR.2014 09:50:11

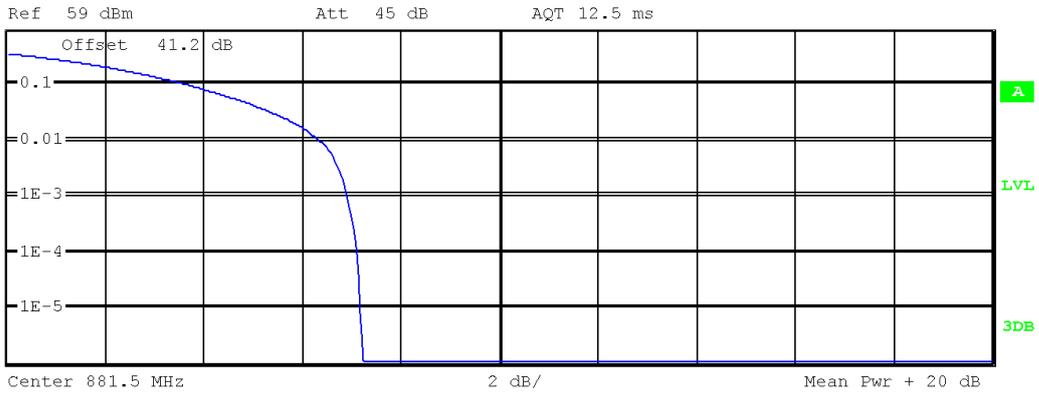


2.1.14 1L_3M_60W_M_TM1_TRXB



REW 5 MHz

1 SA
 CLRWR



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

	Trace 1	
Mean	48.05	dBm
Peak	55.28	dBm
Crest	7.22	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.92	dB
.01 %	7.12	dB

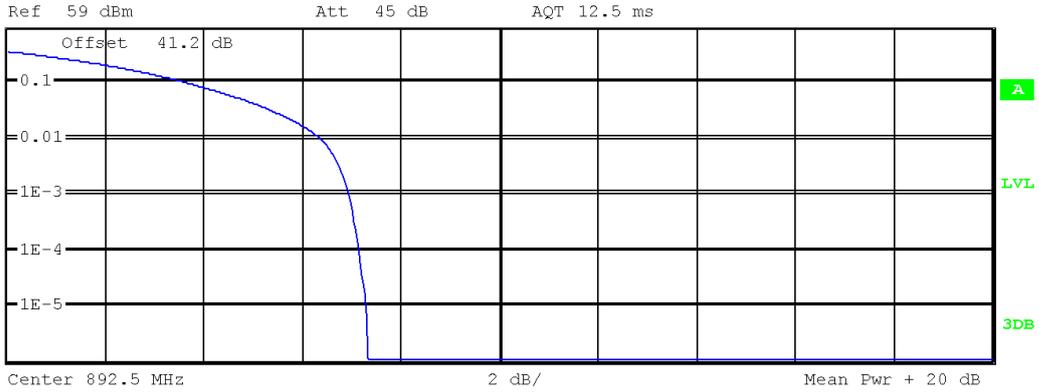
Date: 18.MAR.2014 09:52:04



2.1.15 1L_3M_60W_T_TM1_TRXB



REW 5 MHz



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

	Trace 1	
Mean	48.02	dBm
Peak	55.35	dBm
Crest	7.32	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.96	dB
.01 %	7.15	dB

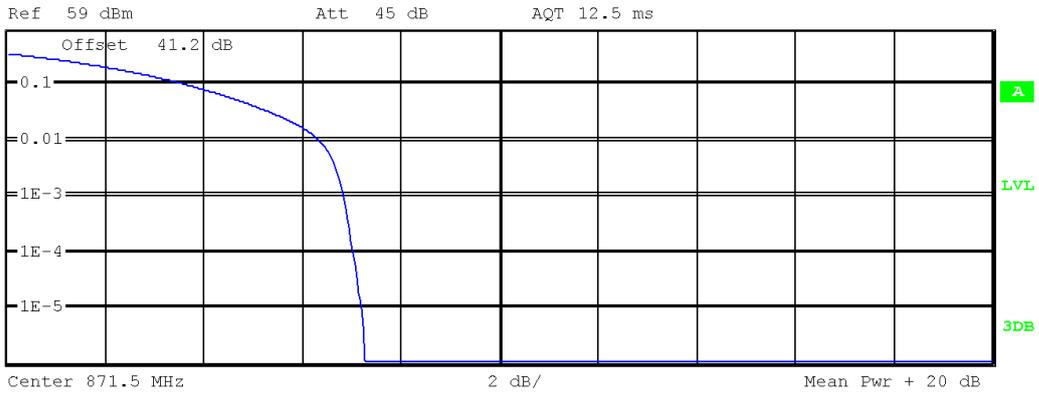
Date: 18.MAR.2014 09:55:26



2.1.16 1L_5M_60W_B_TM1_TRXB



REW 5 MHz



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

	Trace 1	
Mean	48.08	dBm
Peak	55.35	dBm
Crest	7.26	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.83	dB
.01 %	7.02	dB

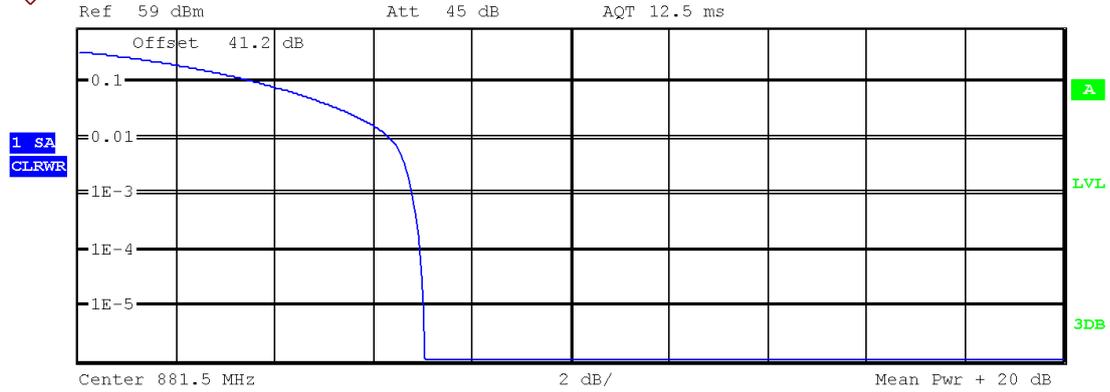
Date: 18.MAR.2014 09:58:47



2.1.17 1L_5M_60W_M_TM1_TRXB



REW 5 MHz



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

	Trace 1	
Mean	48.04	dBm
Peak	55.06	dBm
Crest	7.02	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.79	dB
.01 %	6.96	dB

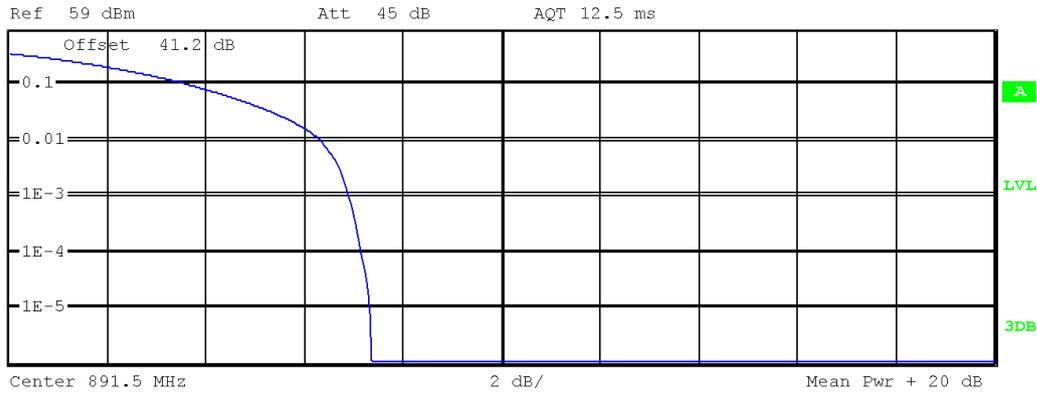
Date: 18.MAR.2014 10:01:42



2.1.18 1L_5M_60W_T_TM1_TRXB



REW 5 MHz



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

	Trace 1	
Mean	48.06	dBm
Peak	55.42	dBm
Crest	7.35	dB
10 %	3.72	dB
1 %	6.31	dB
.1 %	6.92	dB
.01 %	7.15	dB

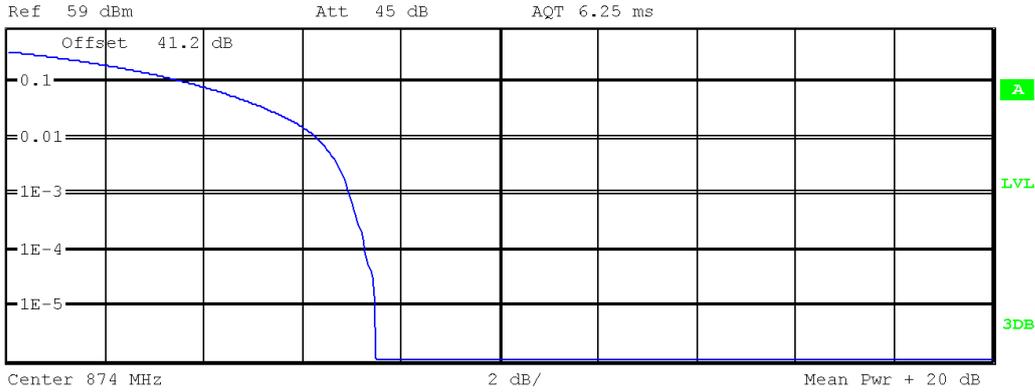
Date: 18.MAR.2014 10:04:16



2.1.19 1L_10M_60W_B_TM1_TRXB



REW 10 MHz



1 SA
 CLRWR

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

	Trace 1	
Mean	48.22	dBm
Peak	55.70	dBm
Crest	7.48	dB
10 %	3.72	dB
1 %	6.31	dB
.1 %	6.96	dB
.01 %	7.28	dB

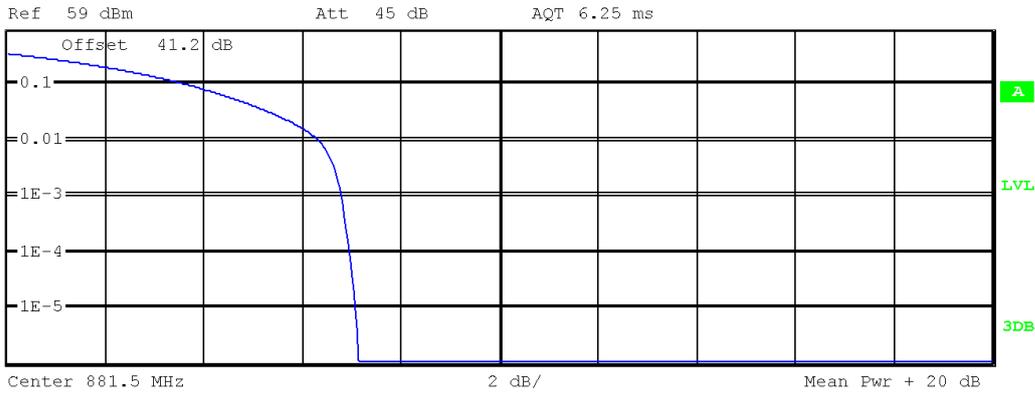
Date: 18.MAR.2014 10:07:29



2.1.20 1L_10M_60W_M_TM1_TRXB



REW 10 MHz



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

	Trace 1	
Mean	48.27	dBm
Peak	55.40	dBm
Crest	7.14	dB
10 %	3.72	dB
1 %	6.35	dB
.1 %	6.79	dB
.01 %	6.96	dB

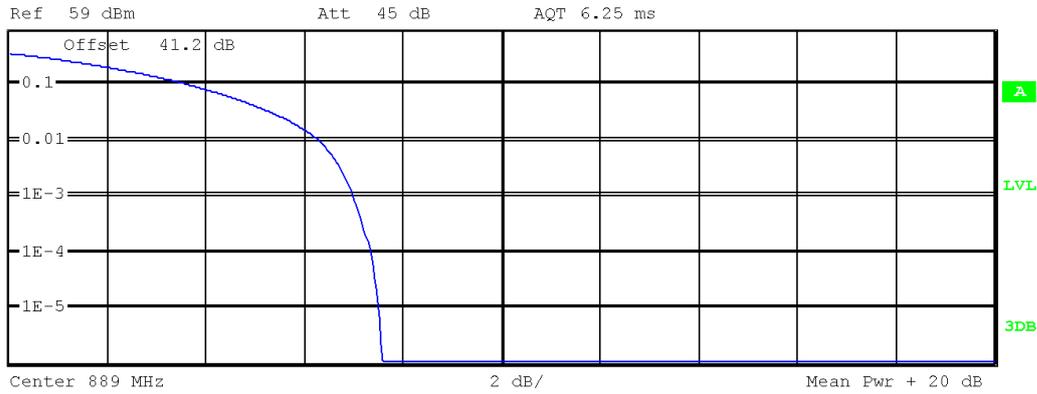
Date: 18.MAR.2014 10:09:49



2.1.21 1L_10M_60W_T_TM1_TRXB



REW 10 MHz



1 SA
 CLRWR

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

	Trace 1	
Mean	48.16	dBm
Peak	55.73	dBm
Crest	7.57	dB
10 %	3.72	dB
1 %	6.28	dB
.1 %	6.99	dB
.01 %	7.37	dB

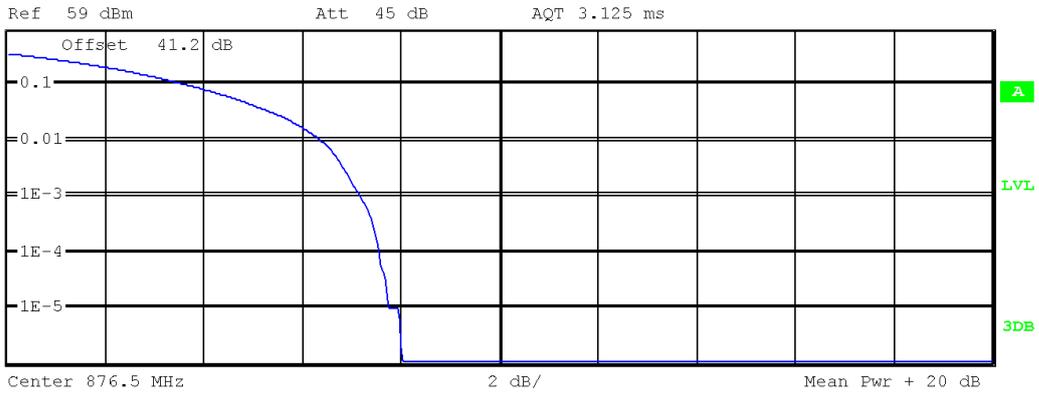
Date: 18.MAR.2014 10:11:35



2.1.22 1L_15M_60W_B_TM1_TRXB



REW 20 MHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1	
Mean	48.24	dBm
Peak	56.25	dBm
Crest	8.01	dB
10 %	3.72	dB
1 %	6.38	dB
.1 %	7.18	dB
.01 %	7.56	dB

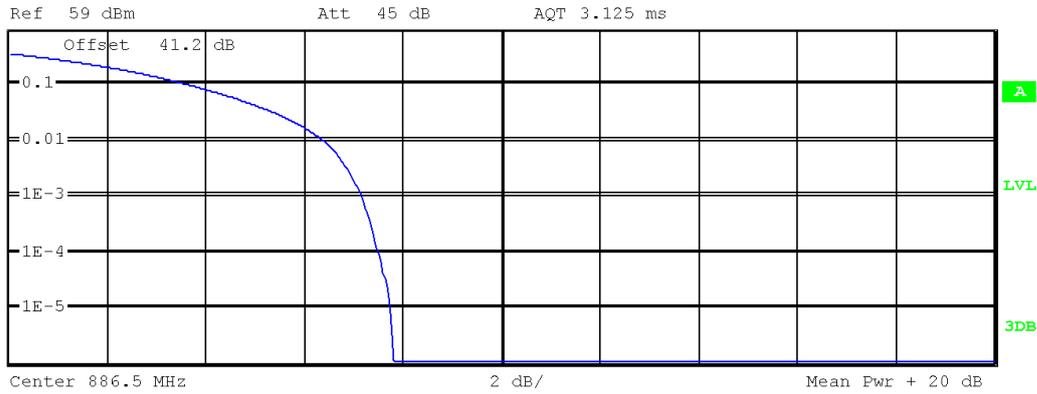
Date: 18.MAR.2014 10:14:56



2.1.23 1L_15M_60W_T_TM1_TRXB



REBW 20 MHz



1 SA
 CLRWR

Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1	
Mean	48.24	dBm
Peak	56.03	dBm
Crest	7.80	dB
10 %	3.69	dB
1 %	6.38	dB
.1 %	7.18	dB
.01 %	7.50	dB

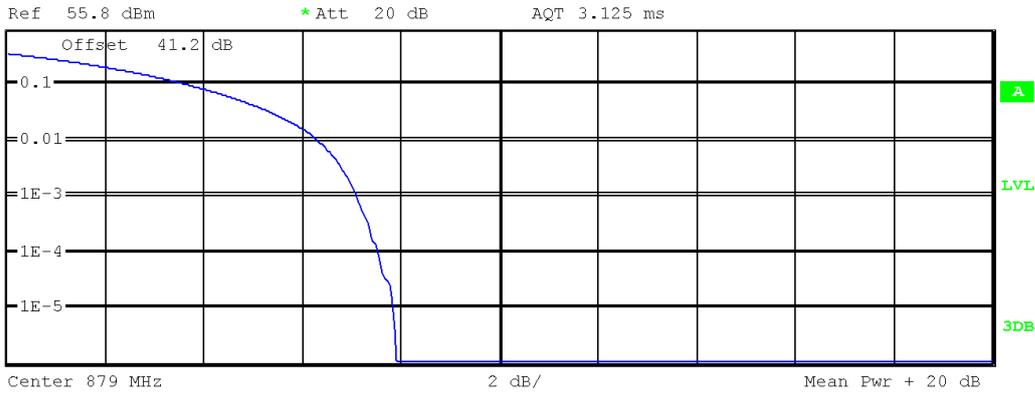
Date: 18.MAR.2014 10:18:30



2.1.24 1L_20M_60W_B_TM1_TRXB



REBW 20 MHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1	
Mean	46.17	dBm
Peak	54.07	dBm
Crest	7.90	dB
10 %	3.72	dB
1 %	6.31	dB
.1 %	7.12	dB
.01 %	7.53	dB

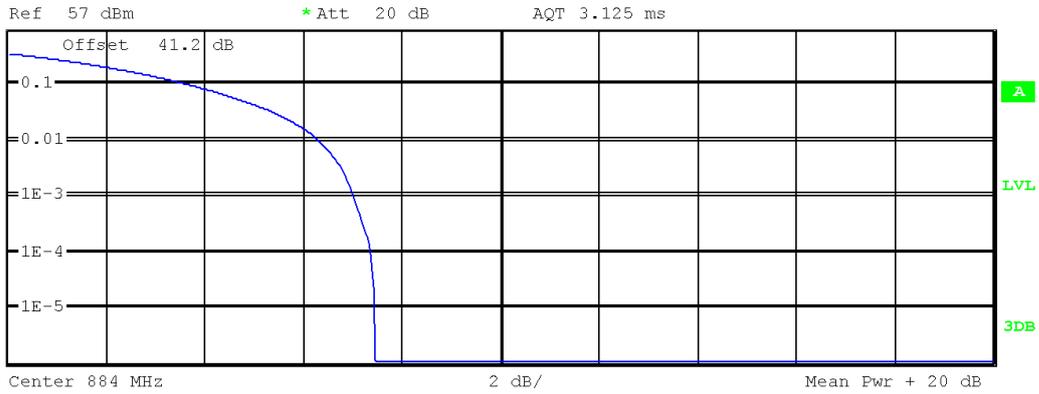
Date: 14.MAR.2014 12:18:47



2.1.25 1L_20M_60W_T_TM1_TRXB



RBW 20 MHz



Complementary Cumulative Distribution Function
 NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1	
Mean	46.11	dBm
Peak	53.57	dBm
Crest	7.46	dB
10 %	3.72	dB
1 %	6.31	dB
.1 %	7.02	dB
.01 %	7.37	dB

Date: 14.MAR.2014 12:21:26



Appendix B: Bandwidth



1 Result Table

1.1 Occupied Bandwidth

1.1.1 For test number SYBH(R)00666679

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1U_B	4.1680	Pass
1U_M	4.1692	Pass
1U_T	4.1645	Pass
1G_GMSK_B	0.24523	Pass
1G_GMSK_M	0.24657	Pass
1G_GMSK_T	0.24630	Pass
1G_8PSK_B	0.25206	Pass
1G_8PSK_M	0.25430	Pass
1G_8PSK_T	0.25202	Pass

1.1.2 For test number SYBH(R)01271108

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1L_1.4M_60W_B_TM1_TRXB	1.099	Pass
1L_1.4M_60W_M_TM1_TRXB	1.099	Pass
1L_1.4M_60W_T_TM1_TRXB	1.099	Pass
1L_3M_60W_B_TM1_TRXB	2.74	Pass
1L_3M_60W_M_TM1_TRXB	2.74	Pass
1L_3M_60W_T_TM1_TRXB	2.74	Pass
1L_5M_60W_B_TM1_TRXB	4.507	Pass
1L_5M_60W_M_TM1_TRXB	4.487	Pass
1L_5M_60W_T_TM1_TRXB	4.507	Pass
1L_10_60W_B_TM1_TRXB	9.054	Pass
1L_10M_60W_M_TM1_TRXB	9.054	Pass
1L_10M_60W_T_TM1_TRXB	9.094	Pass
1L_15M_60W_B_TM1_TRXB	13.461	Pass
1L_15M_60W_T_TM1_TRXB	13.521	Pass
1L_20M_60W_B_TM1_TRXB,	17.888	Pass
1L_20M_60W_T_TM1_TRXB	17.888	Pass

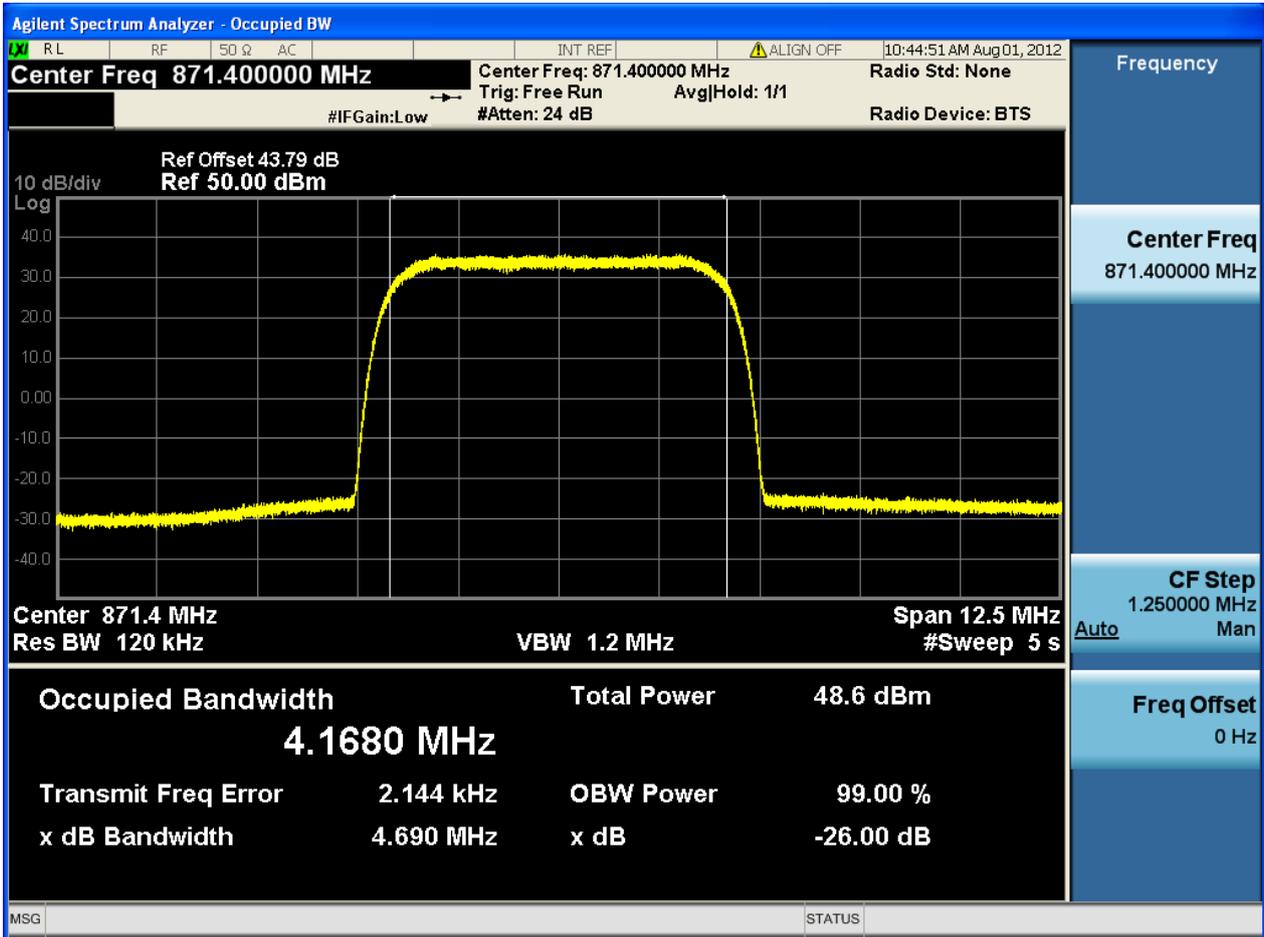


2 Test Plot

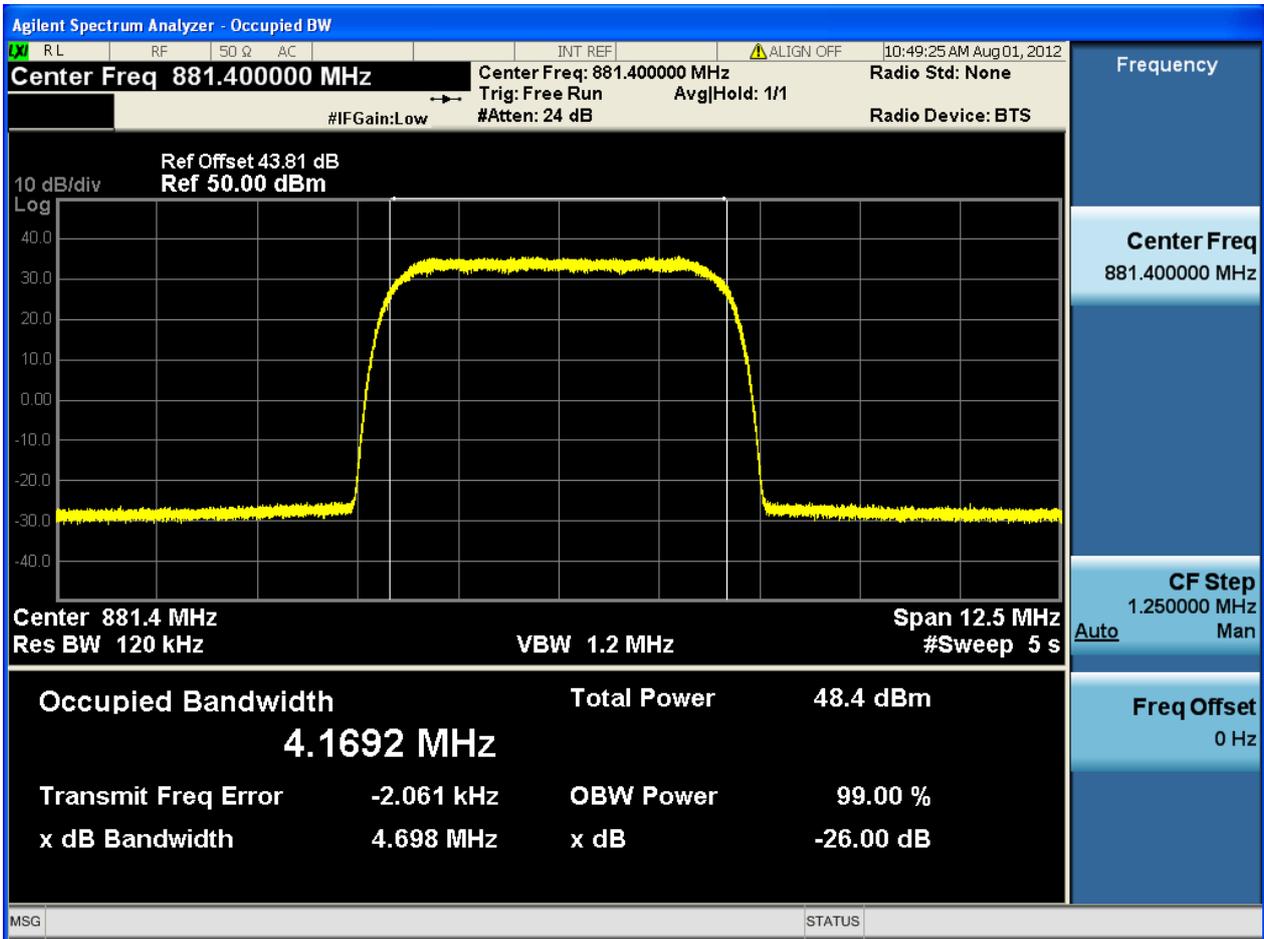
2.1 Occupied Bandwidth

2.1.1 For test number SYBH(R)00666679

2.1.1.1 1U_B

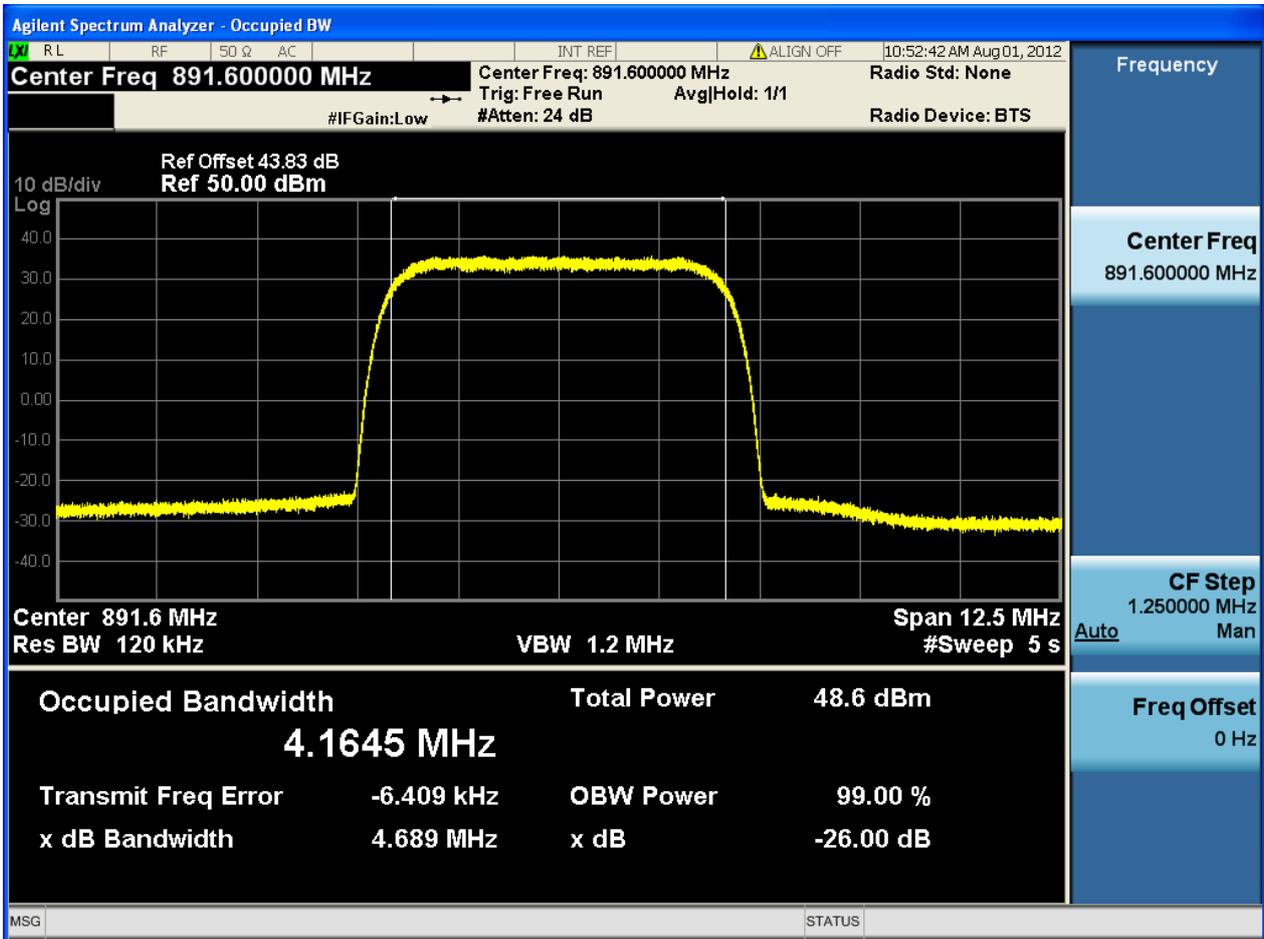


2.1.1.2 1U_M

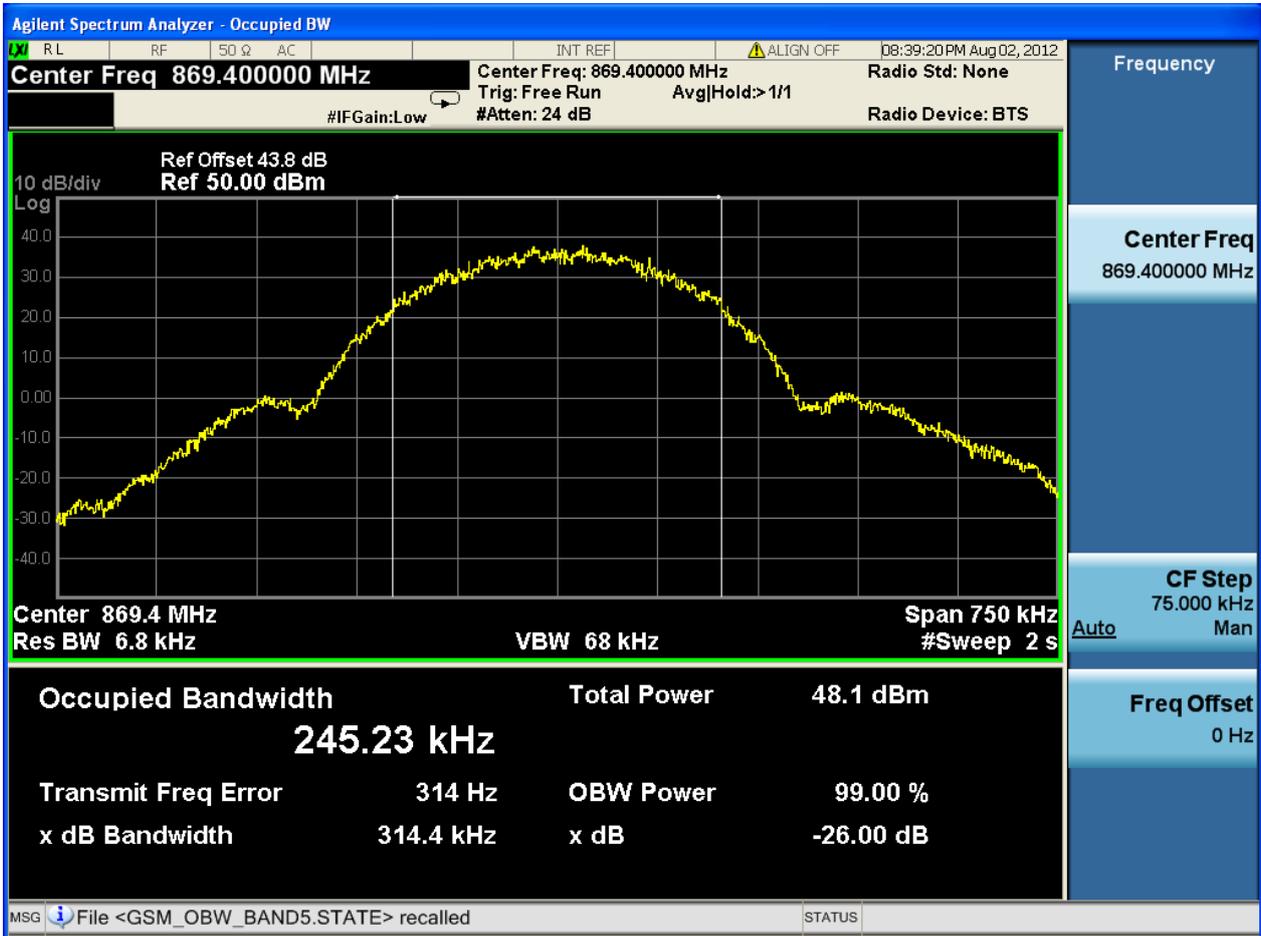




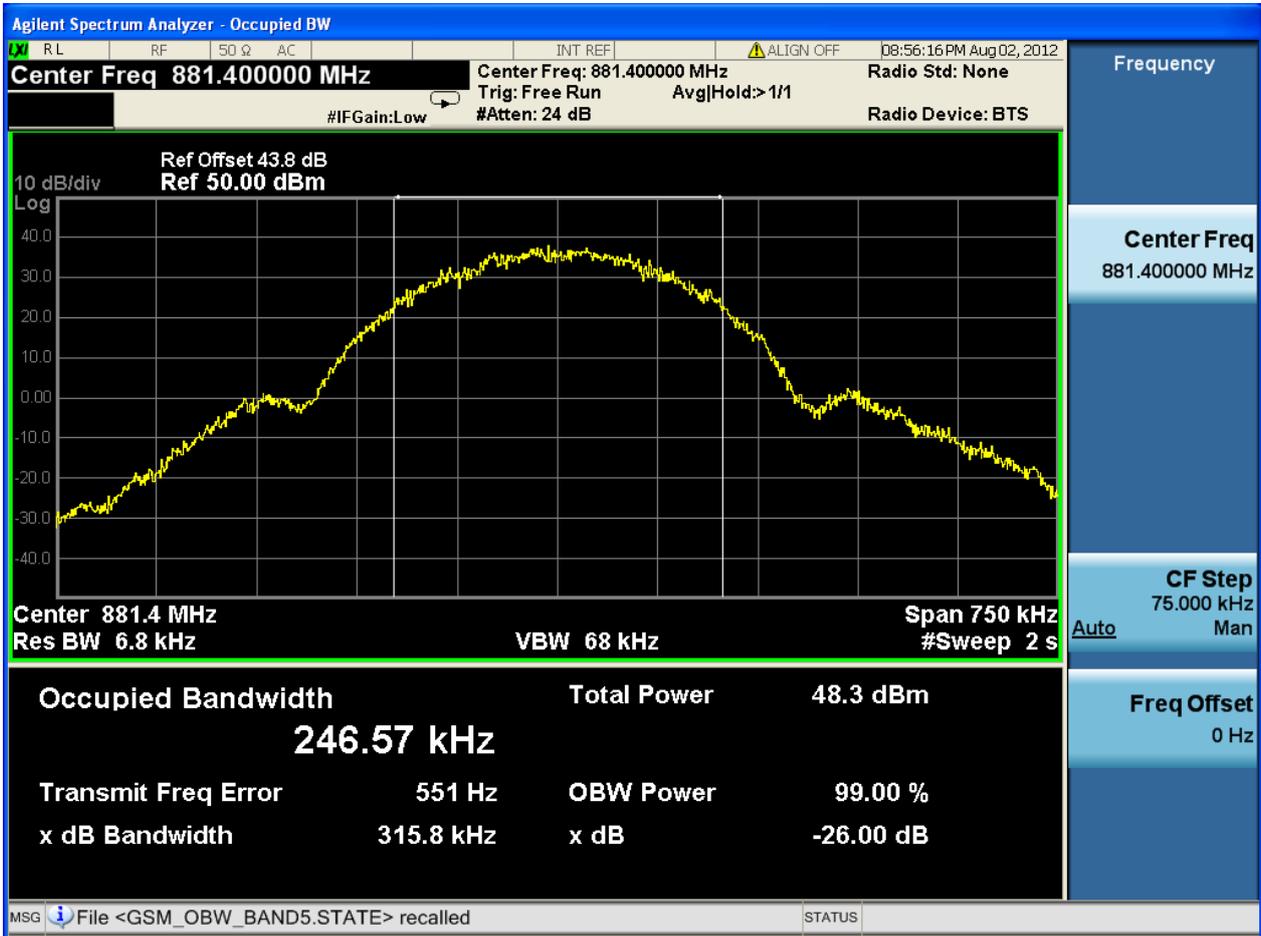
2.1.1.3 1U_T



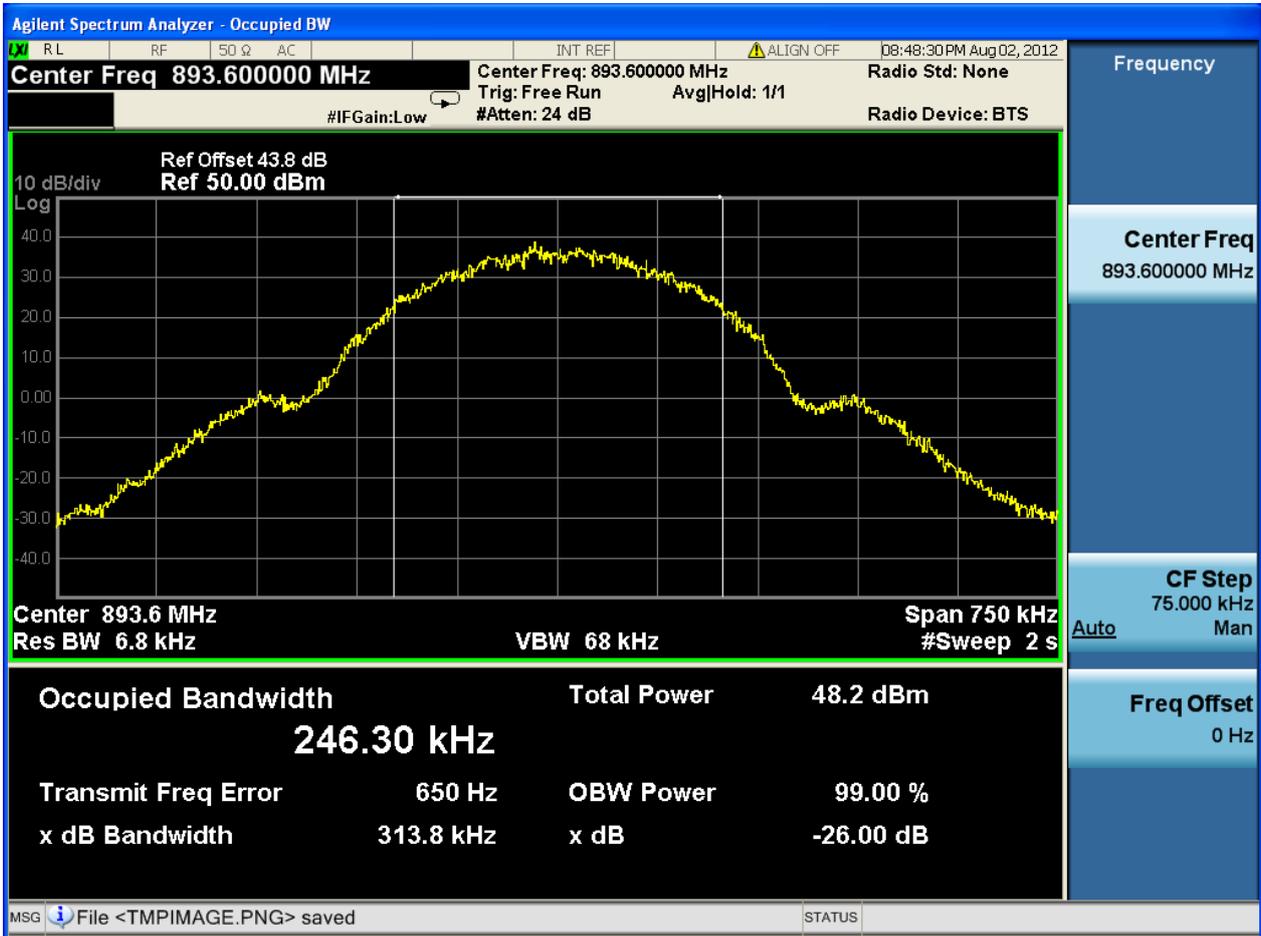
2.1.1.4 1G_GMSK_B



2.1.1.5 1G_GMSK_M



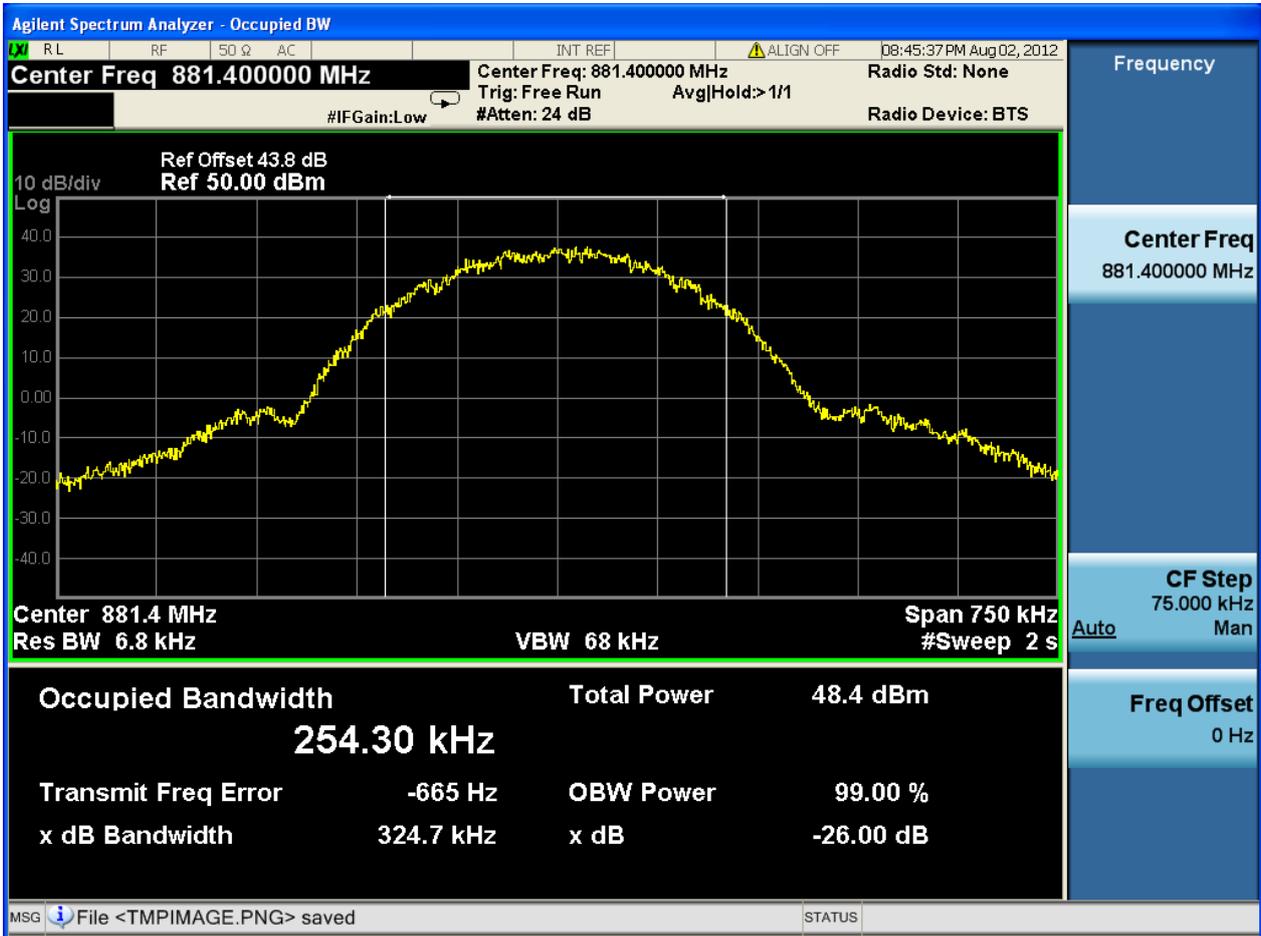
2.1.1.6 1G_GMSK_T



2.1.1.7 1G_8PSK_B

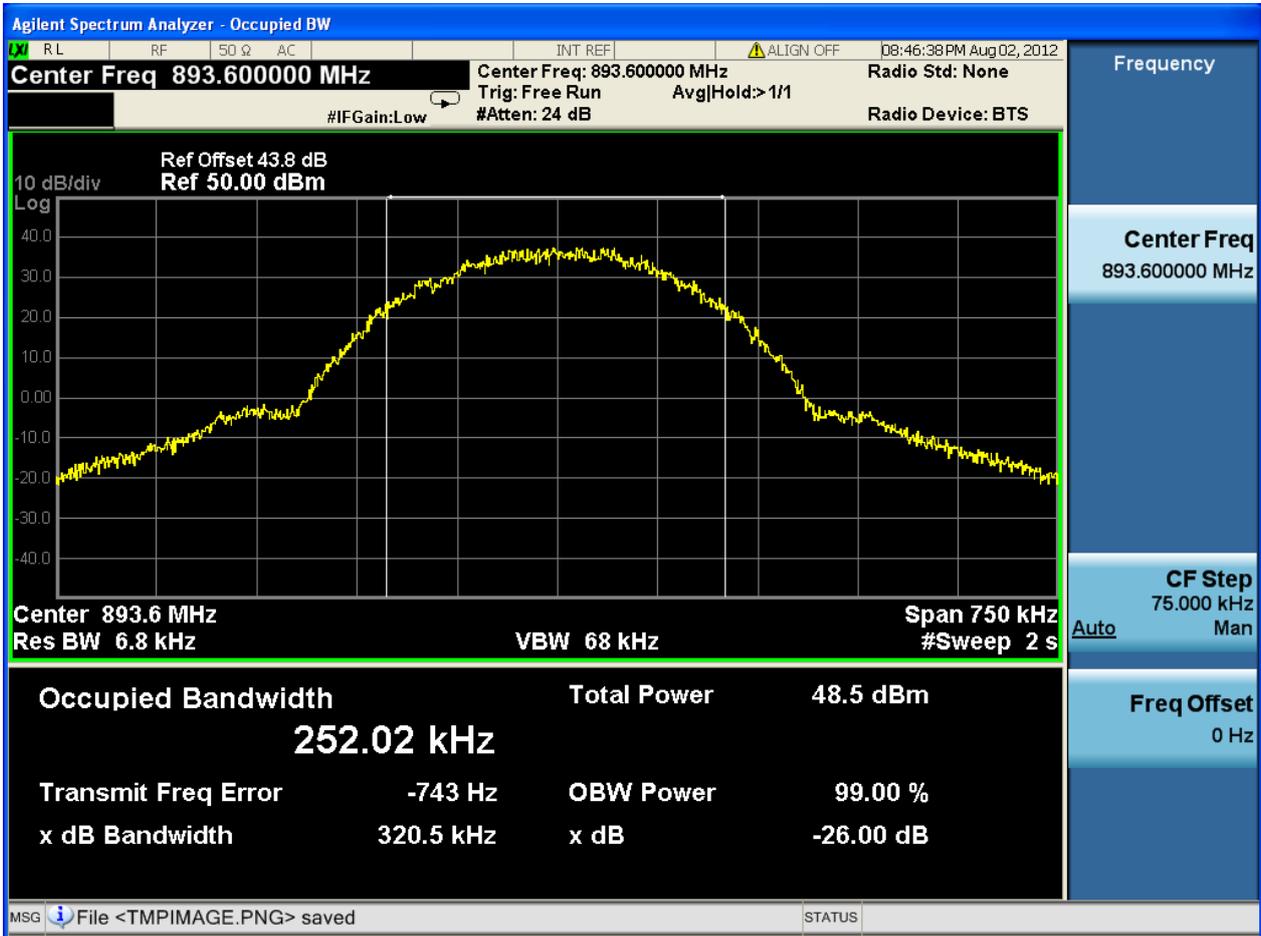


2.1.1.8 1G_8PSK_M





2.1.1.9 1G_8PSK_T

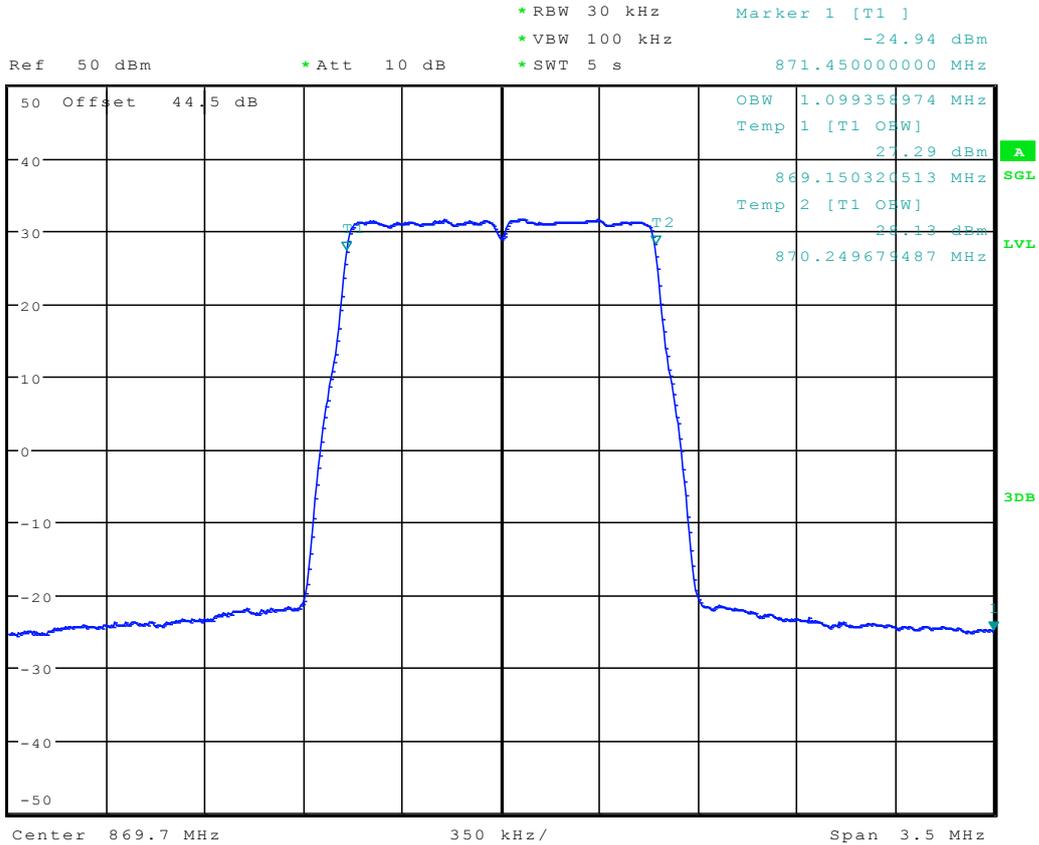




2.1.2 For test number SYBH(R)01271108

2.1.2.1 1L_1.4M_60W_B_TM1_TRXB

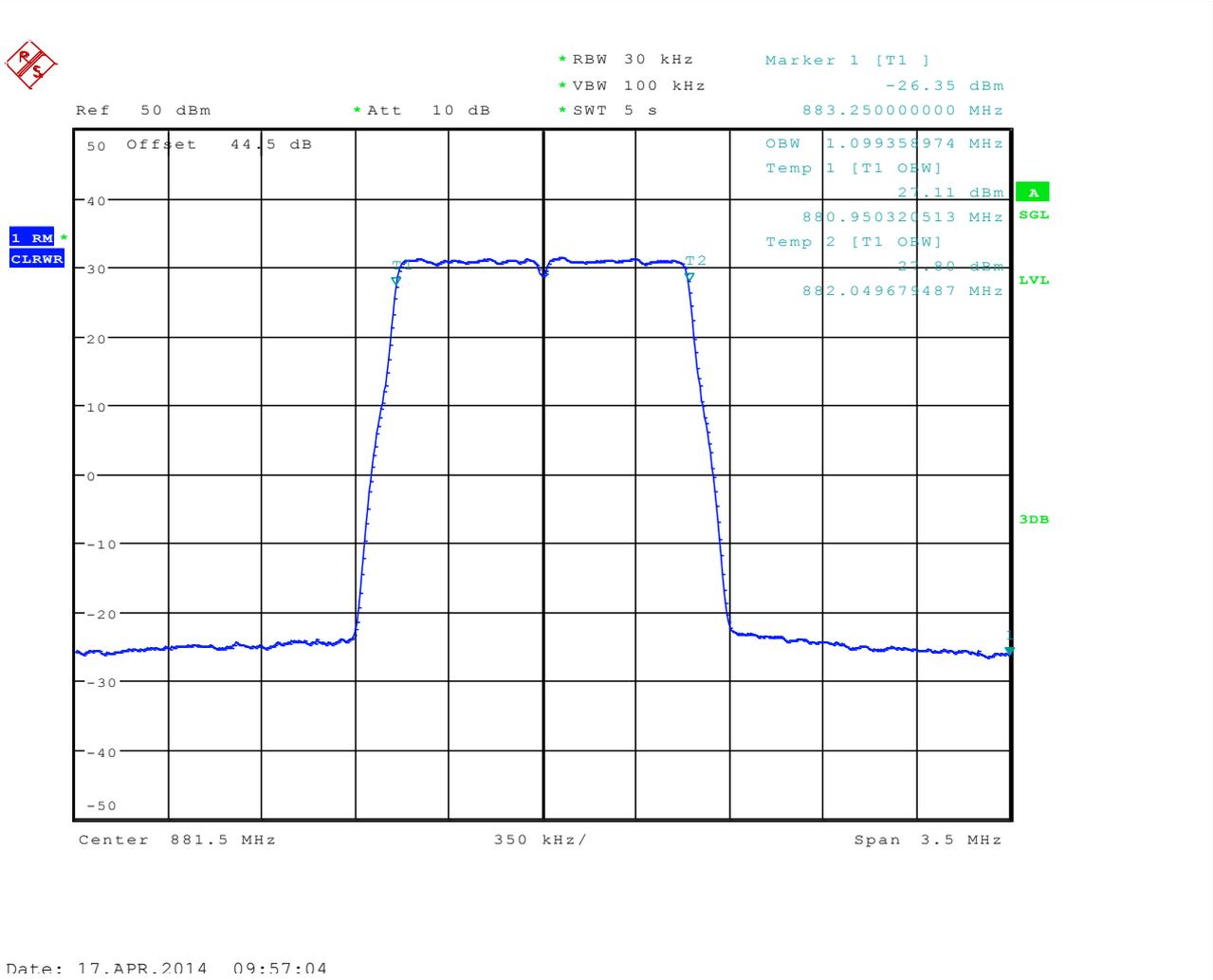
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
869.7	99	Auto	RMS	1.099359	No Conclusion



Date: 17.APR.2014 09:51:39

2.1.2.2 1L_1.4M_60W_M_TM1_TRXB

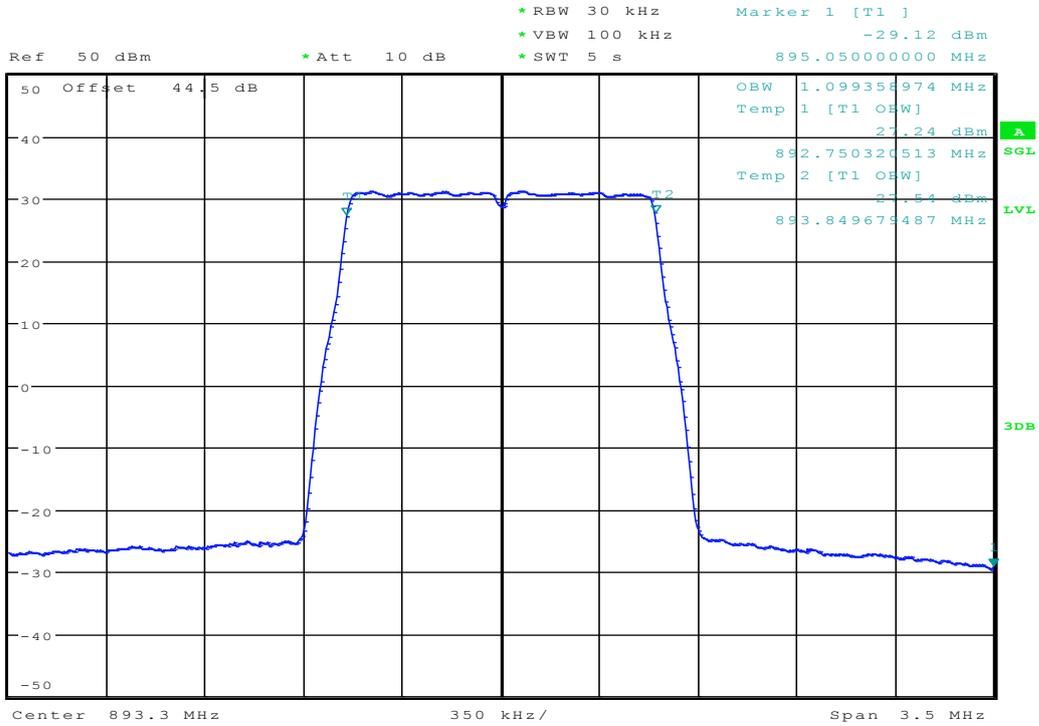
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
881.5	99	Auto	RMS	1.099359	No Conclusion





2.1.2.3 1L_1.4M_60W_T_TM1_TRXB

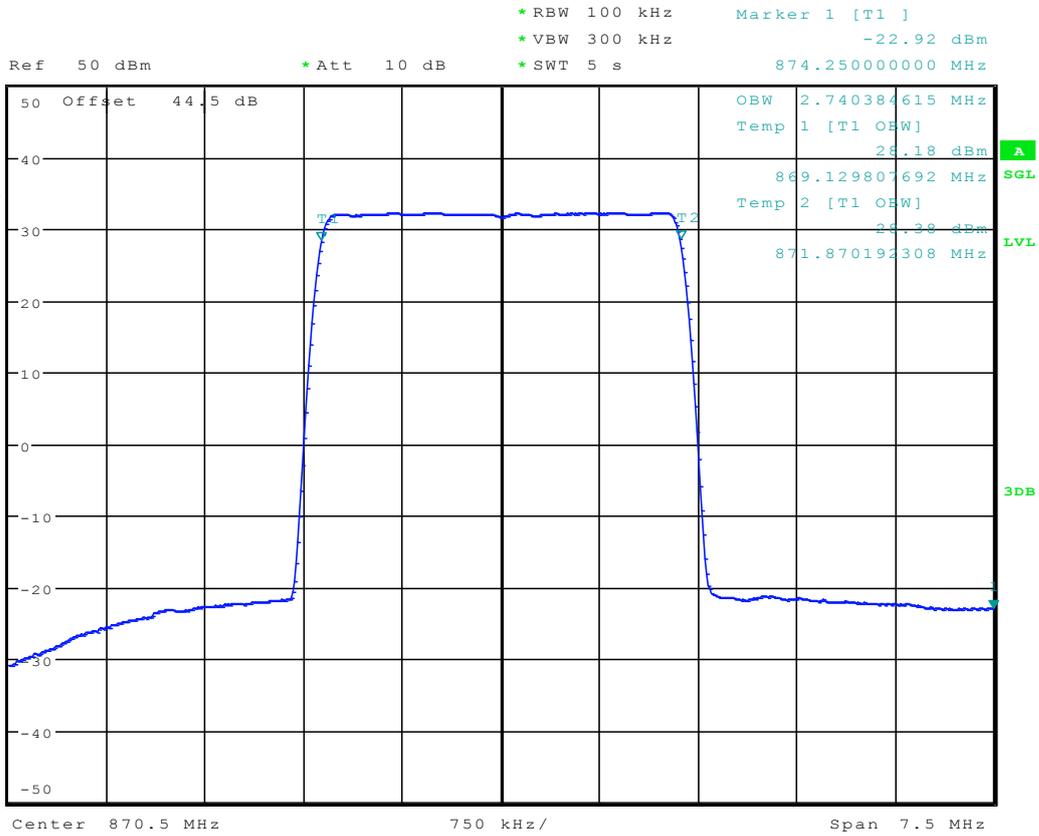
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
893.3	99	Auto	RMS	1.099359	No Conclusion



Date: 17.APR.2014 09:59:36

2.1.2.4 1L_3M_60W_B_TM1_TRXB

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
870.5	99	Auto	RMS	2.740385	No Conclusion

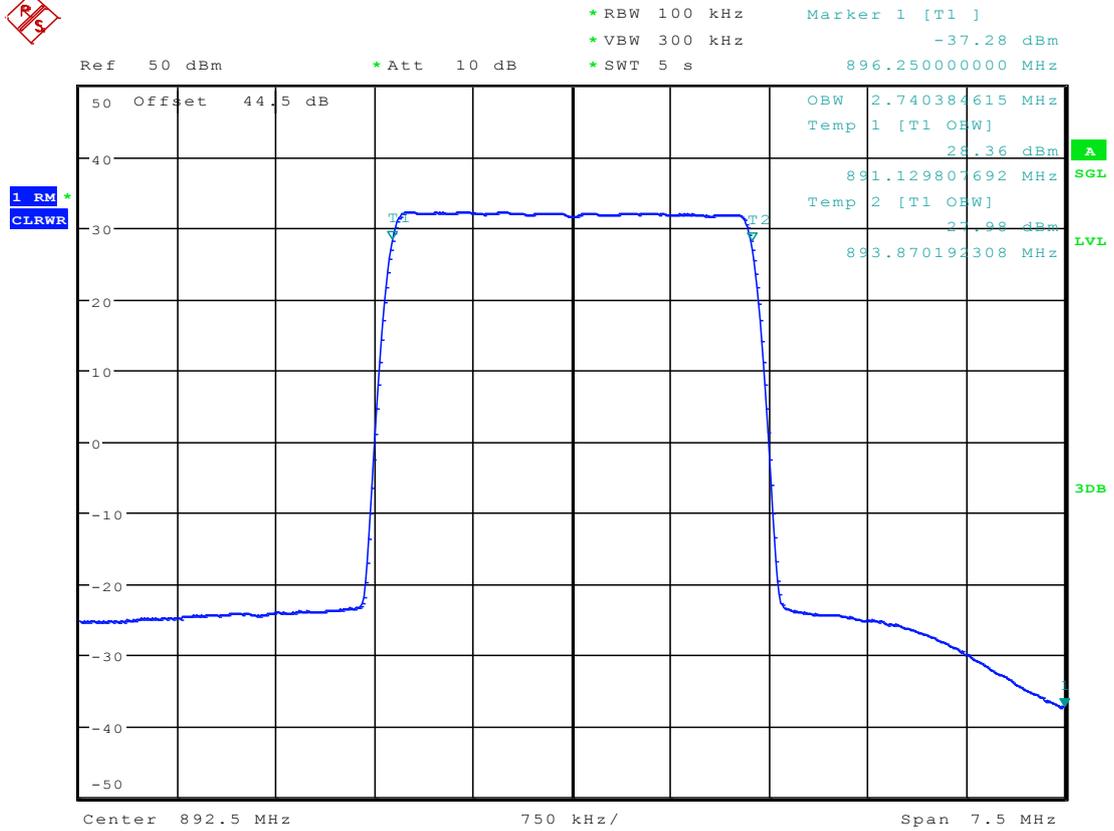


Date: 17.APR.2014 10:02:50



2.1.2.6 1L_3M_60W_T_TM1_TRXB

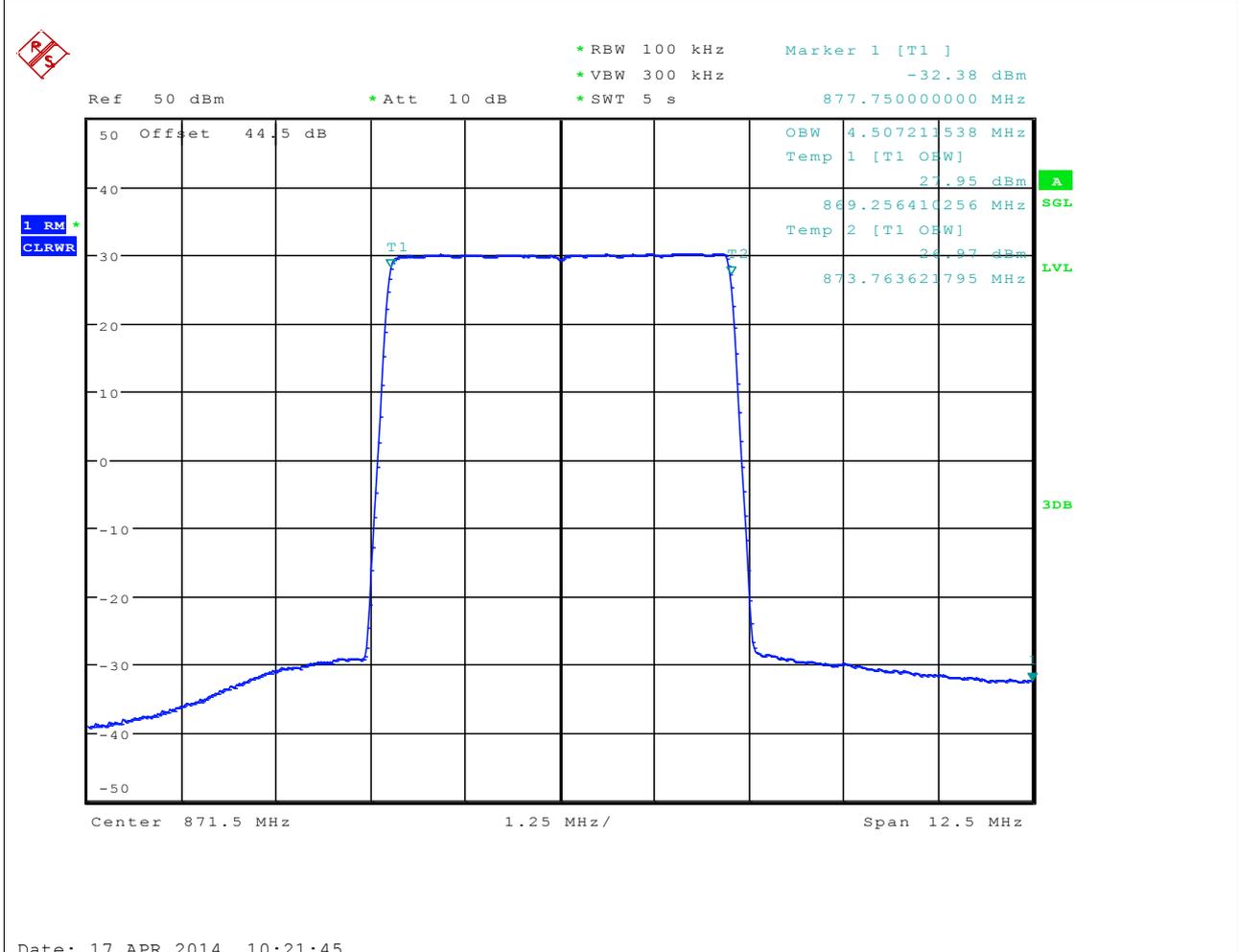
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
892.5	99	Auto	RMS	2.740385	No Conclusion



Date: 17.APR.2014 10:08:33

2.1.2.7 1L_5M_60W_B_TM1_TRXB

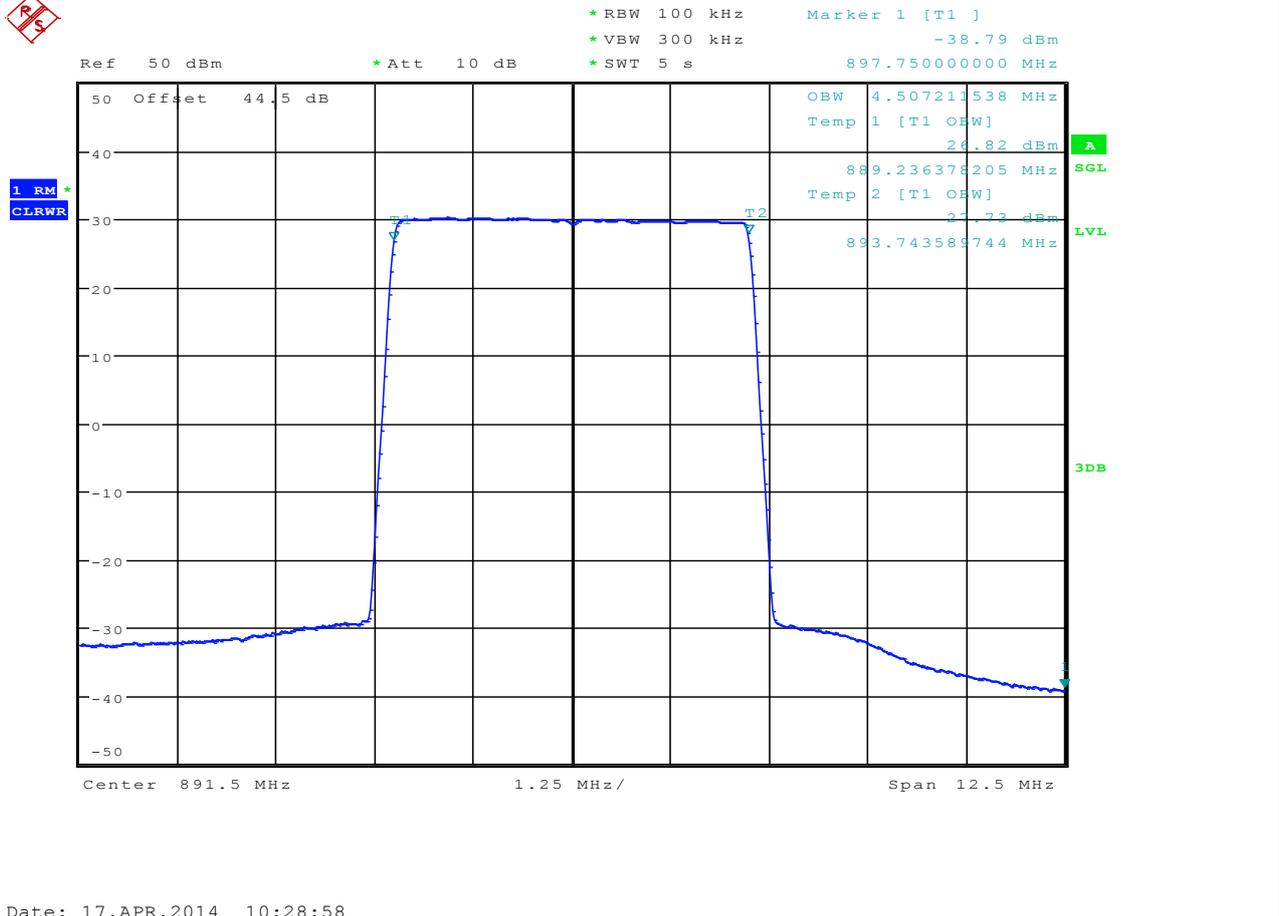
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
871.5	99	Auto	RMS	4.507212	No Conclusion





2.1.2.9 1L_5M_60W_T_TM1_TRXB

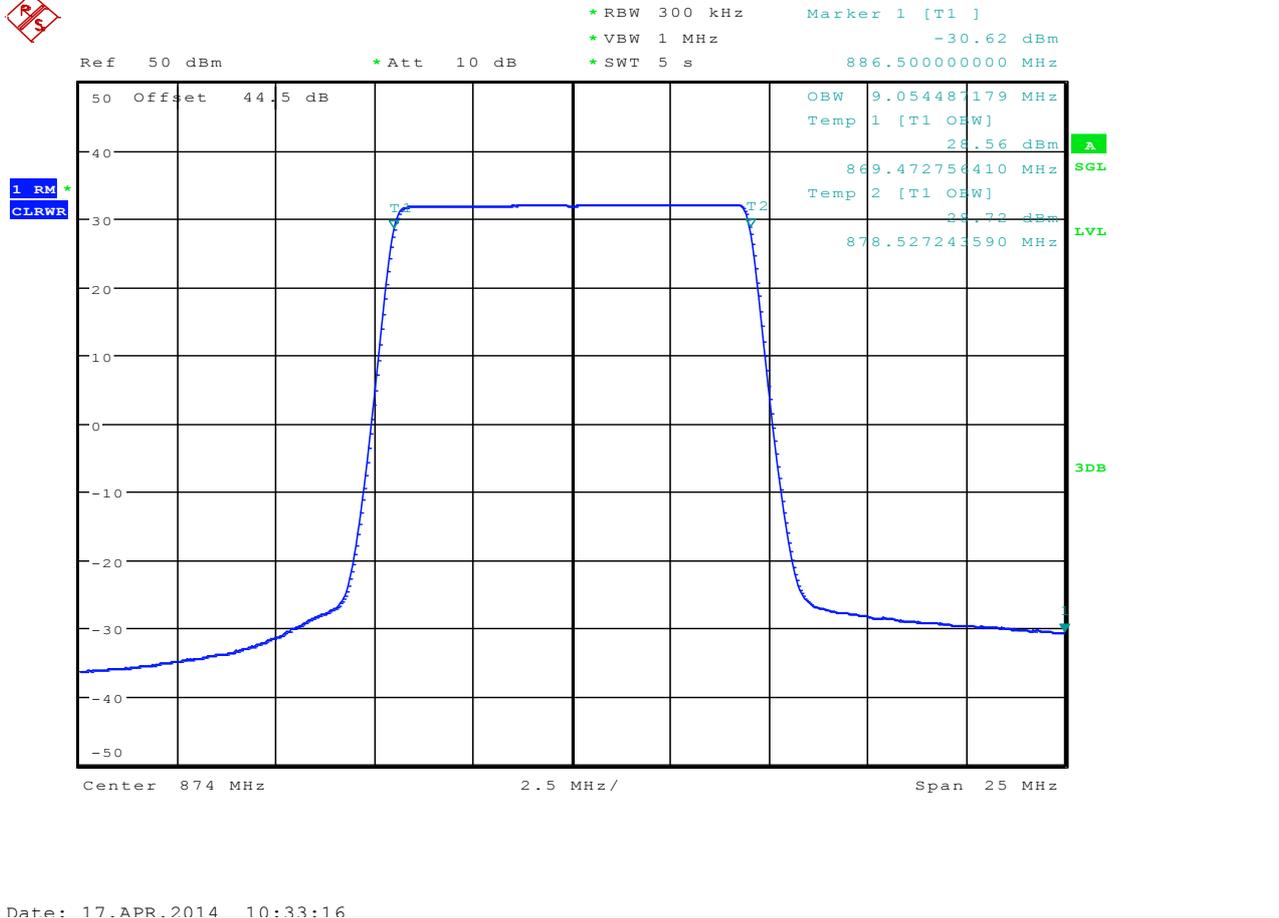
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
891.5	99	Auto	RMS	4.507212	No Conclusion





2.1.2.10 1L_10M_60W_B_TM1_TRXB

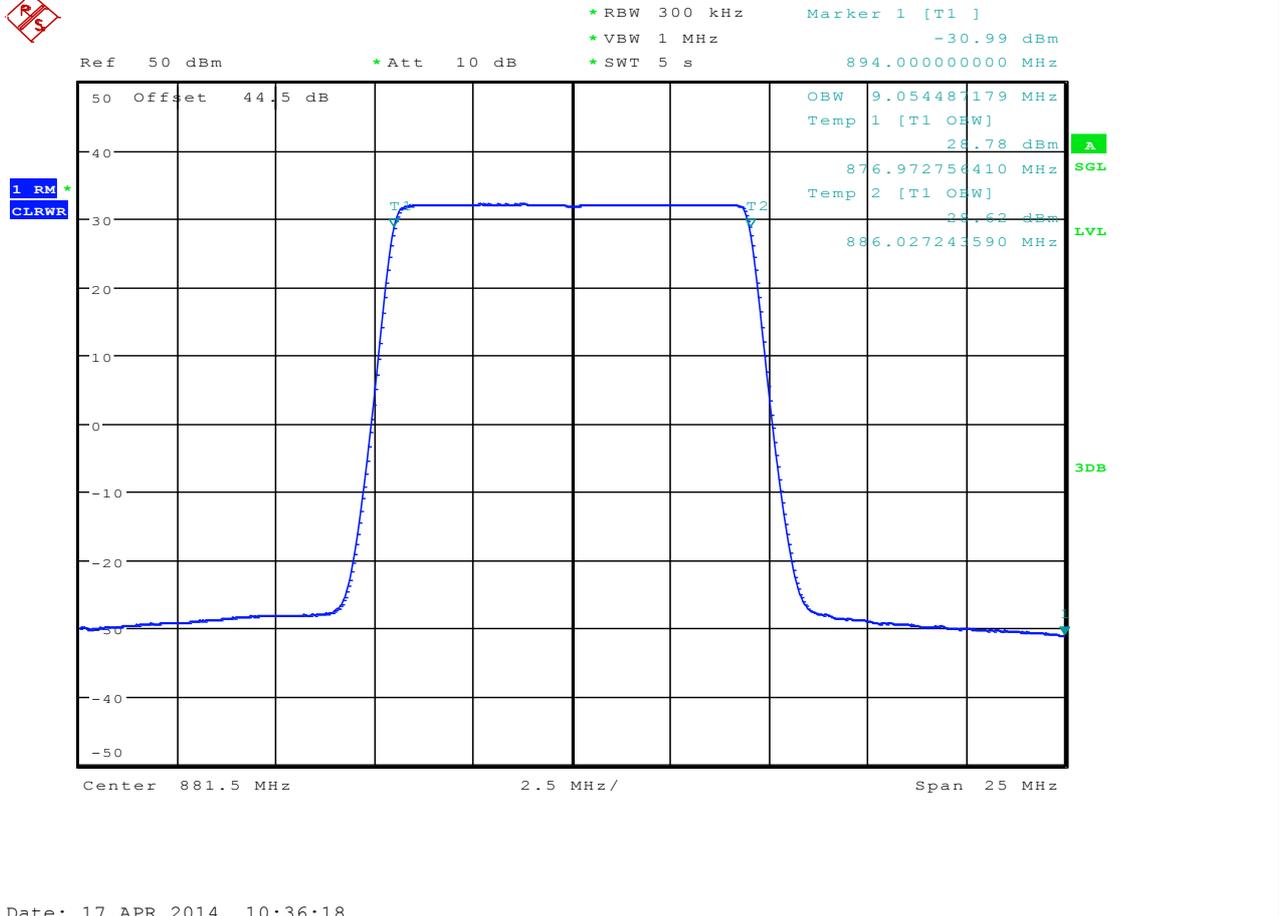
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
874	99	Auto	RMS	9.054487	No Conclusion





2.1.2.11 1L_10M_60W_M_TM1_TRXB

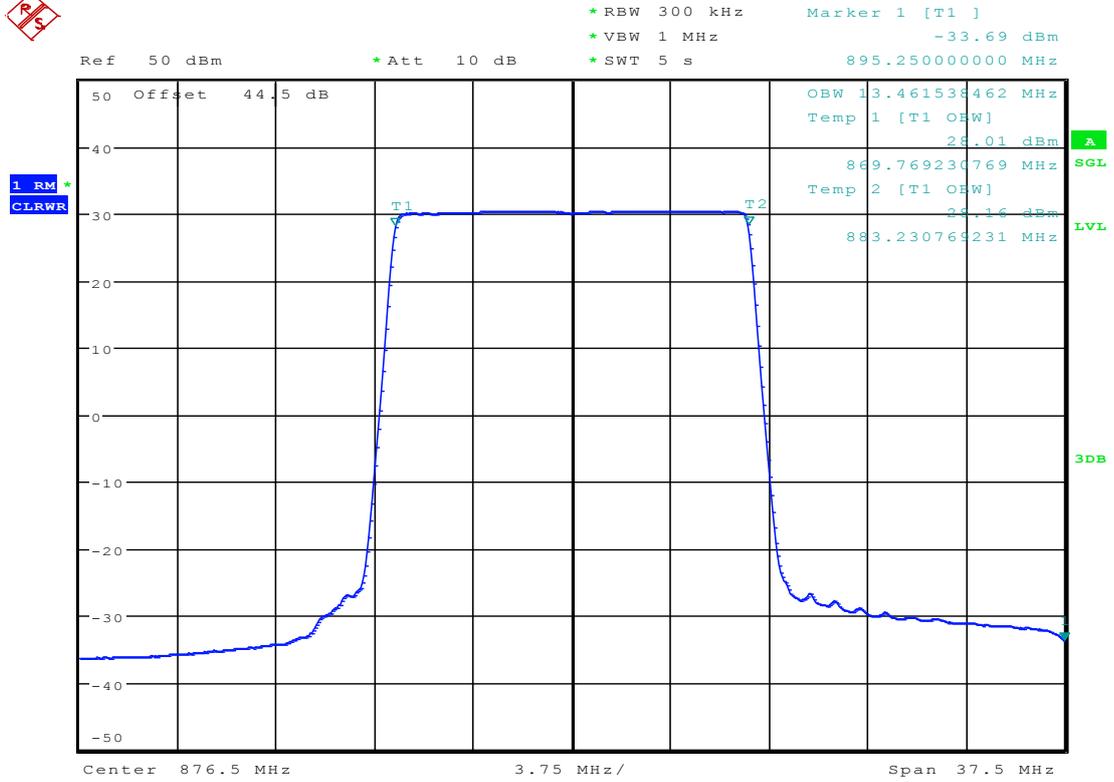
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
881.5	99	Auto	RMS	9.054487	No Conclusion





2.1.2.13 1L_15M_60W_B_TM1_TRXB

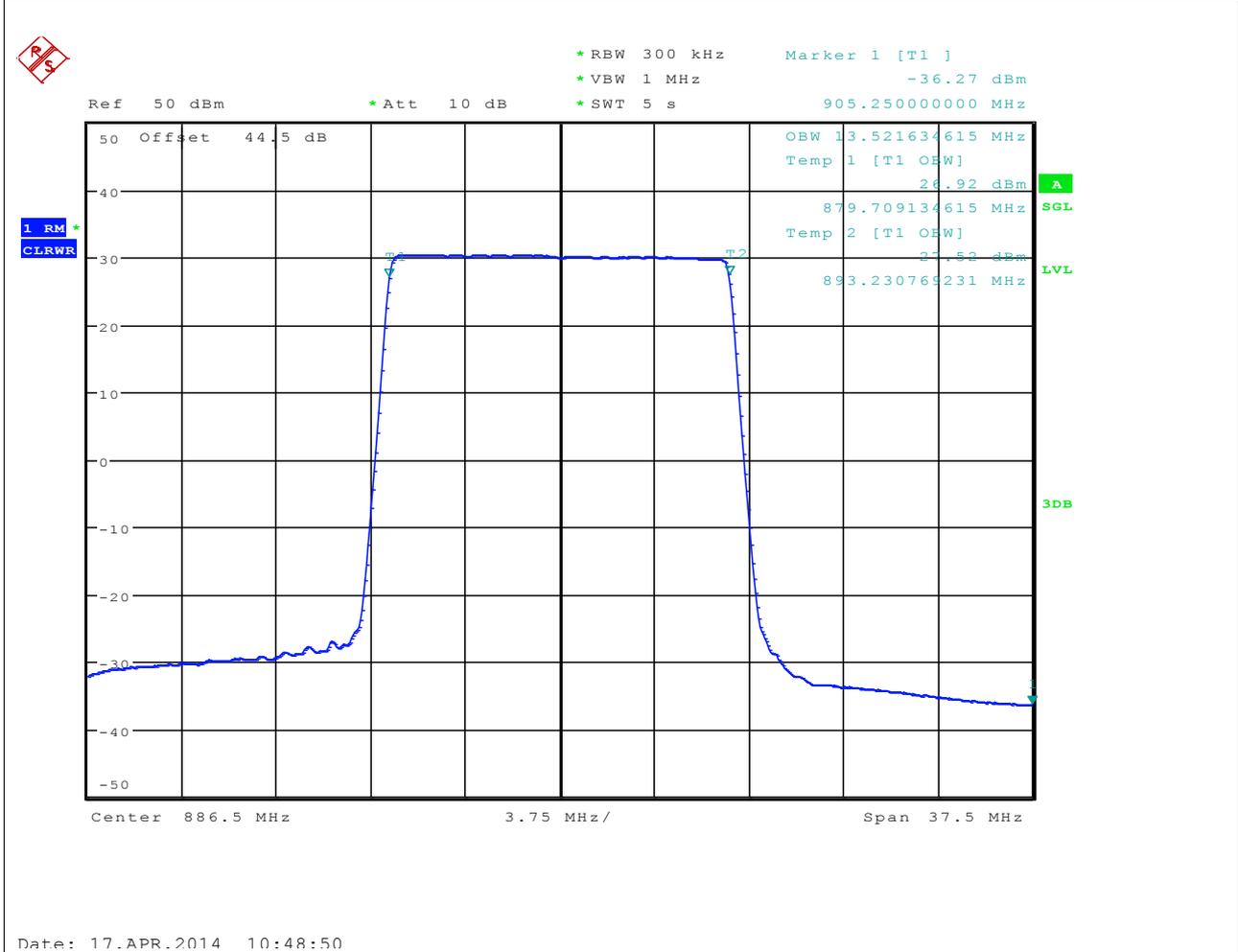
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
876.5	99	Auto	RMS	13.461538	No Conclusion



Date: 17.APR.2014 10:42:53

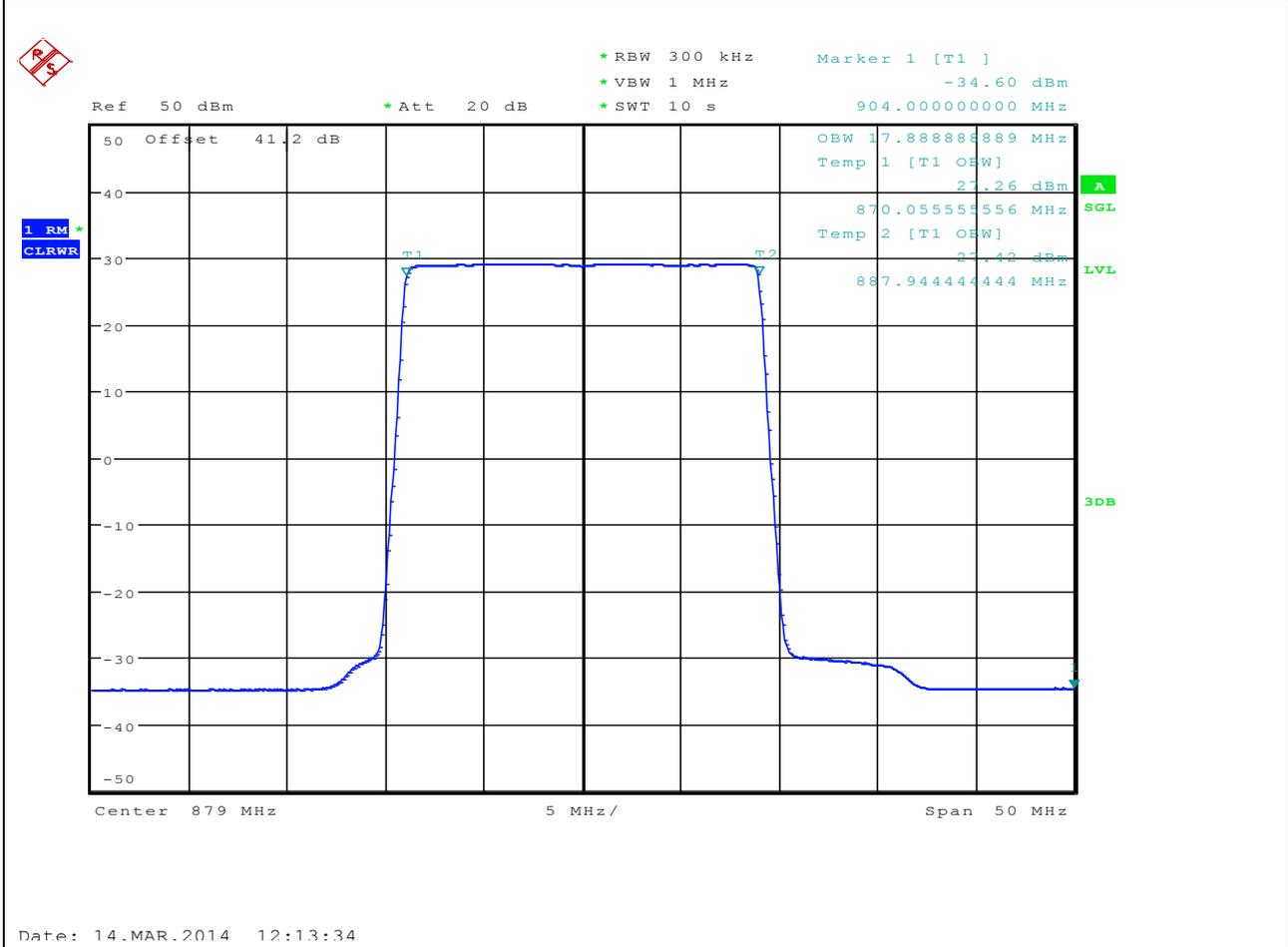
2.1.2.14 1L_15M_60W_T_TM1_TRXB

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
886.5	99	Auto	RMS	13.521635	No Conclusion



2.1.2.15 1L_20M_60W_B_TM1_TRXB

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
879	99	Auto	RMS	17.888889	No Conclusion





Appendix C: Band Edges Compliance



1 Result Table

1.1 For test number SYBH(R)0066679

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.	Verdict
1U_B	Pass
1U_T	Pass
2U_B	Pass
2U_T	Pass
3U_B	Pass
3U_T	Pass
1G_GMSK_B	Pass
1G_GMSK_T	Pass
8G_GMSK_B	Pass
8G_GMSK_T	Pass
1G1U_B	Pass
1G1U_T	Pass
3G1U_B	Pass
3G1U_T	Pass

1.2 For test number SYBH(R)01271108

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.

The following configurations for 40 W (antenna port A) and 80 W (antenna port B) were tested on the two antenna ports and calculate the total result to verify the compliance with the FCC standard.

EUT Conf.	Test Result(dBm)	Total result(dBm)	Verdict
1U_80W_B_TM1_TRXB&1U_40W_B_TM1_TRXA	-15.00/-18.10	-13.27	Pass
1U_80W_T_TM1_TRXB&1U_40W_T_TM1_TRXA	-15.78/-19.92	-14.36	Pass
4U_80W_B_TM1_TRXB&4U_80W_B_TM1_TRXA	-15.27/-18.26	-13.5	Pass
4U_80W_T_TM1_TRXB&4U_80W_T_TM1_TRXA	-15.02/-18.69	-13.47	Pass

The following configurations tested on one antenna ports. Before comparing the results to the limit, $3dB[10 \cdot \log(2)]$ should be added according to method described in the FCC KDB662911 D01 Multiple Transmitter Output V02.

EUT Conf.	Test Result(dBm)	Verdict
1G_80W_B_TM1_TRXB	-39.63	Pass
1G_80W_T_TM1_TRXB	-39.03	Pass
8G_80W_B_TM1_TRXB	-50.82	Pass
8G_80W_T_TM1_TRXB	-42.53	Pass
1G1U_80W_B_TM1_TRXB	-40.17	Pass



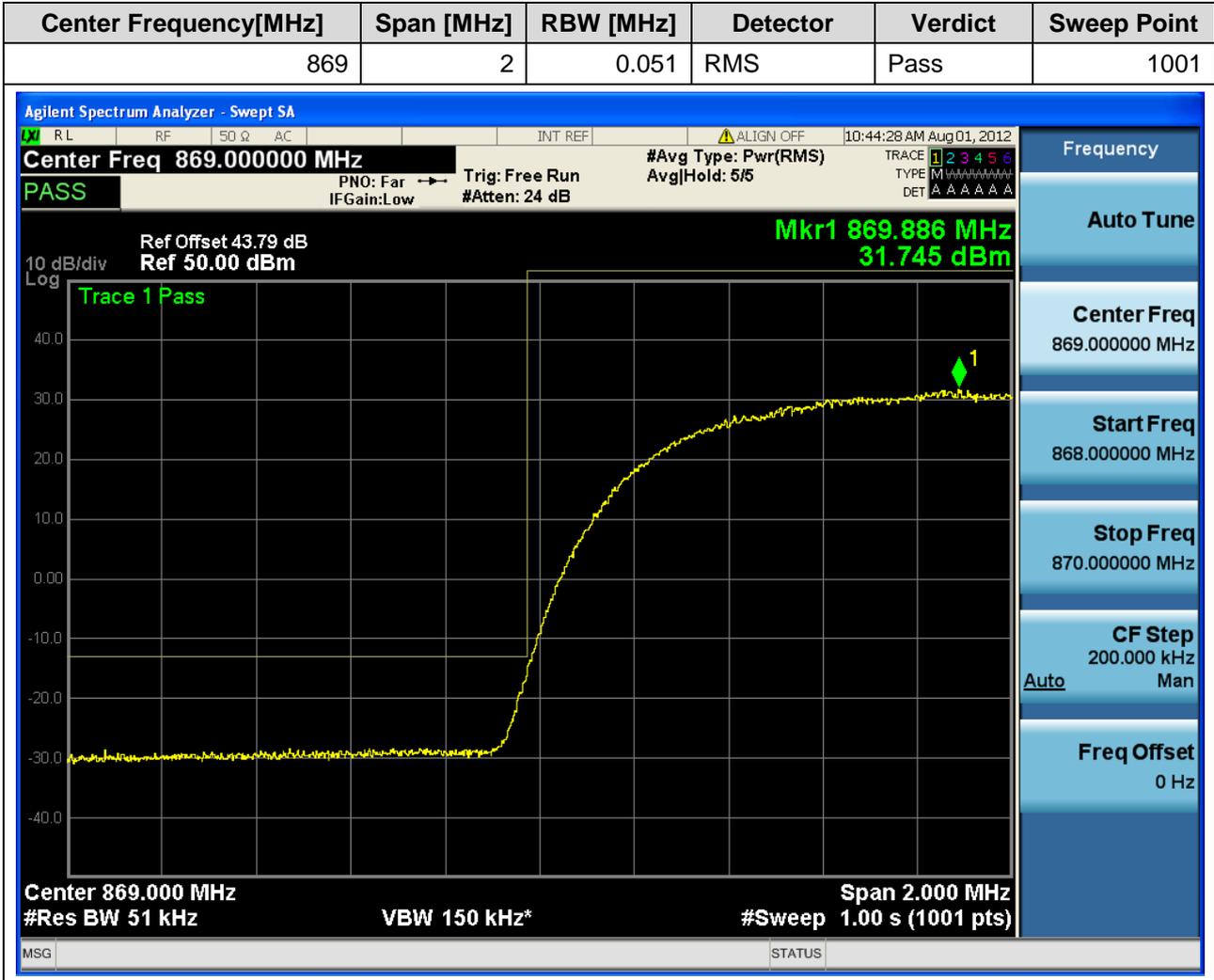
EUT Conf.	Test Result(dBm)	Verdict
1G1U_80W_T_TM1_TRXB	-18.47	Pass
3G1U_80W_B_TM1_TRXB	-40.61	Pass
3G1U_80W_T_TM1_TRXB	-41.17	Pass
1U1L_1.4M_80W_B_TM1_TRXB	-17.26	Pass
1U1L_1.4M_80W_T_TM1_TRXB	-29.37	Pass
1U1L_20M_80W_B_TM1_TRXB	-18.32/-21.16	Pass
3U1L_1.4M_80W_B_TM1_TRXB	-20.93	Pass
3U1L_1.4M_80W_T_TM1_TRXB	-31.89	Pass
1L_20M_60W_B_TM1_TRXB	-22.17	Pass
1L_20M_60W_T_TM1_TRXB	-20.97	Pass
1G1L_1.4M_60W_B_TM1_TRXA	-32.42	Pass
1G1L_1.4M_60W_T_TM1_TRXA	-26.21	Pass
1G1L_20M_60W_B_TM1_TRXA	-38.03/-20.82	Pass
3G1L_1.4M_60W_B_TM1_TRXA	-39.51	Pass
3G1L_1.4M_60W_T_TM1_TRXA	-40.83	Pass
3G1L_20M_60W_B_TM1_TRXA	-43.58/-45.67	Pass



2 Test Plot

2.1 For test number SYBH(R)00666679

2.1.1 1U_B



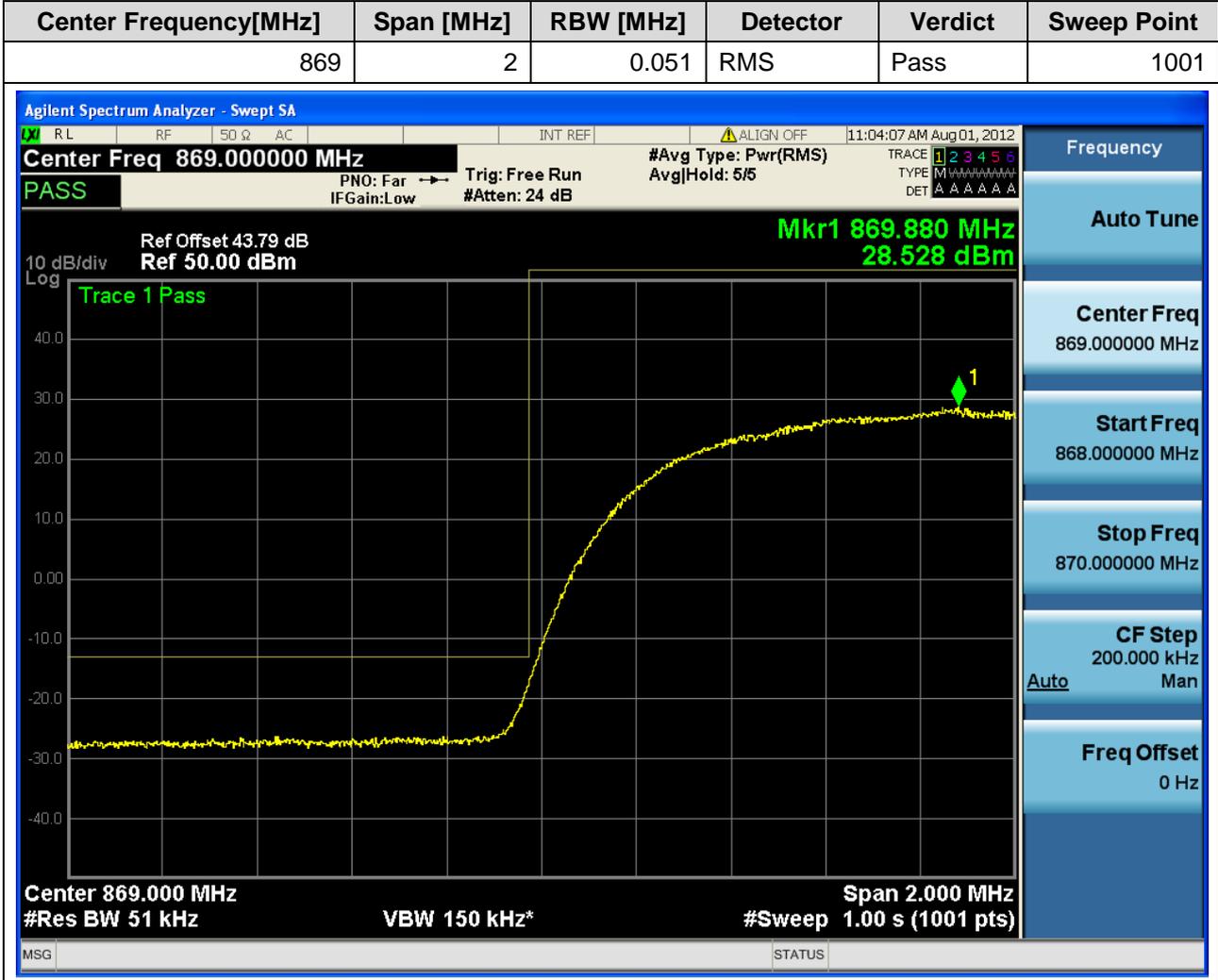


2.1.2 1U_T



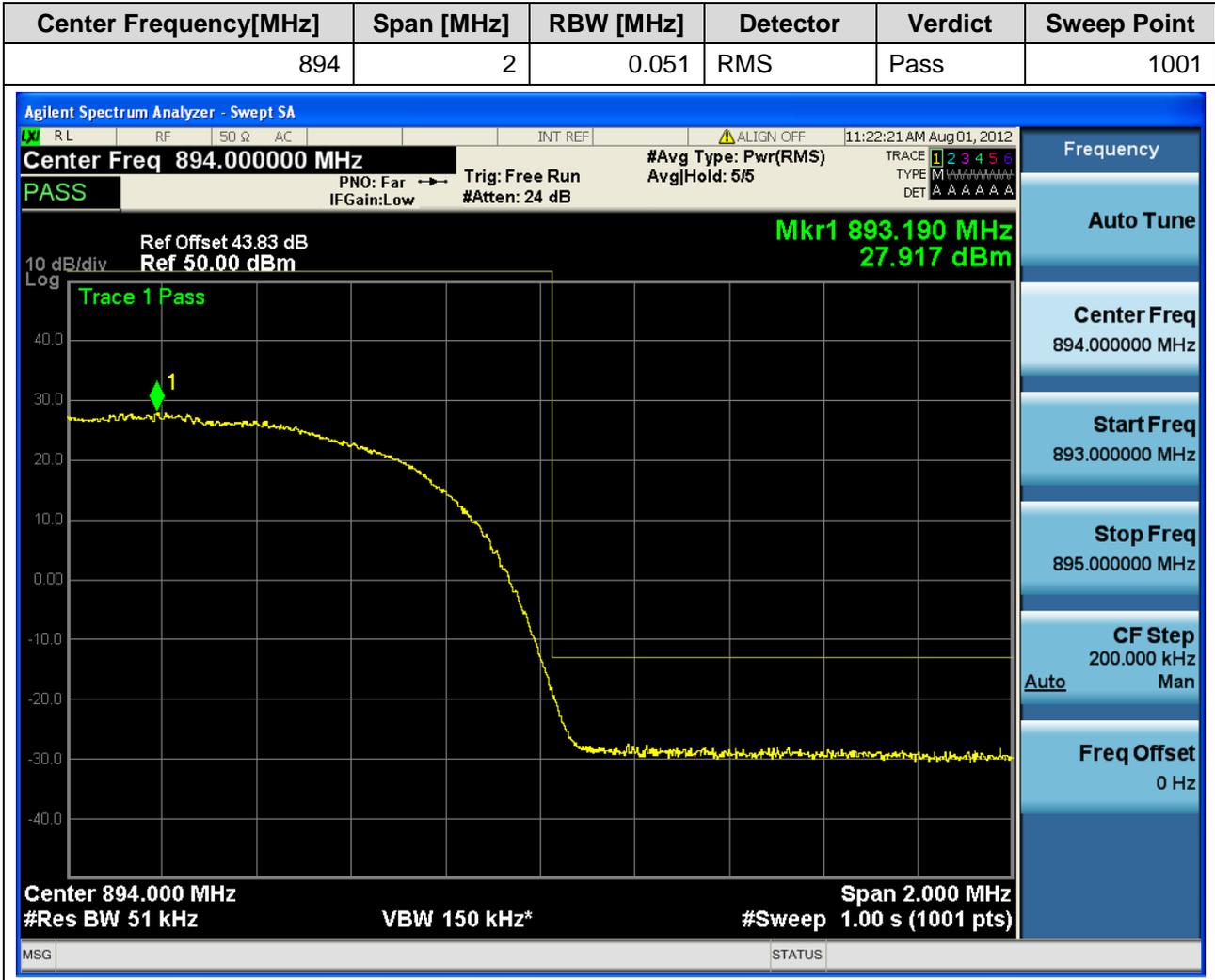


2.1.3 2U_B



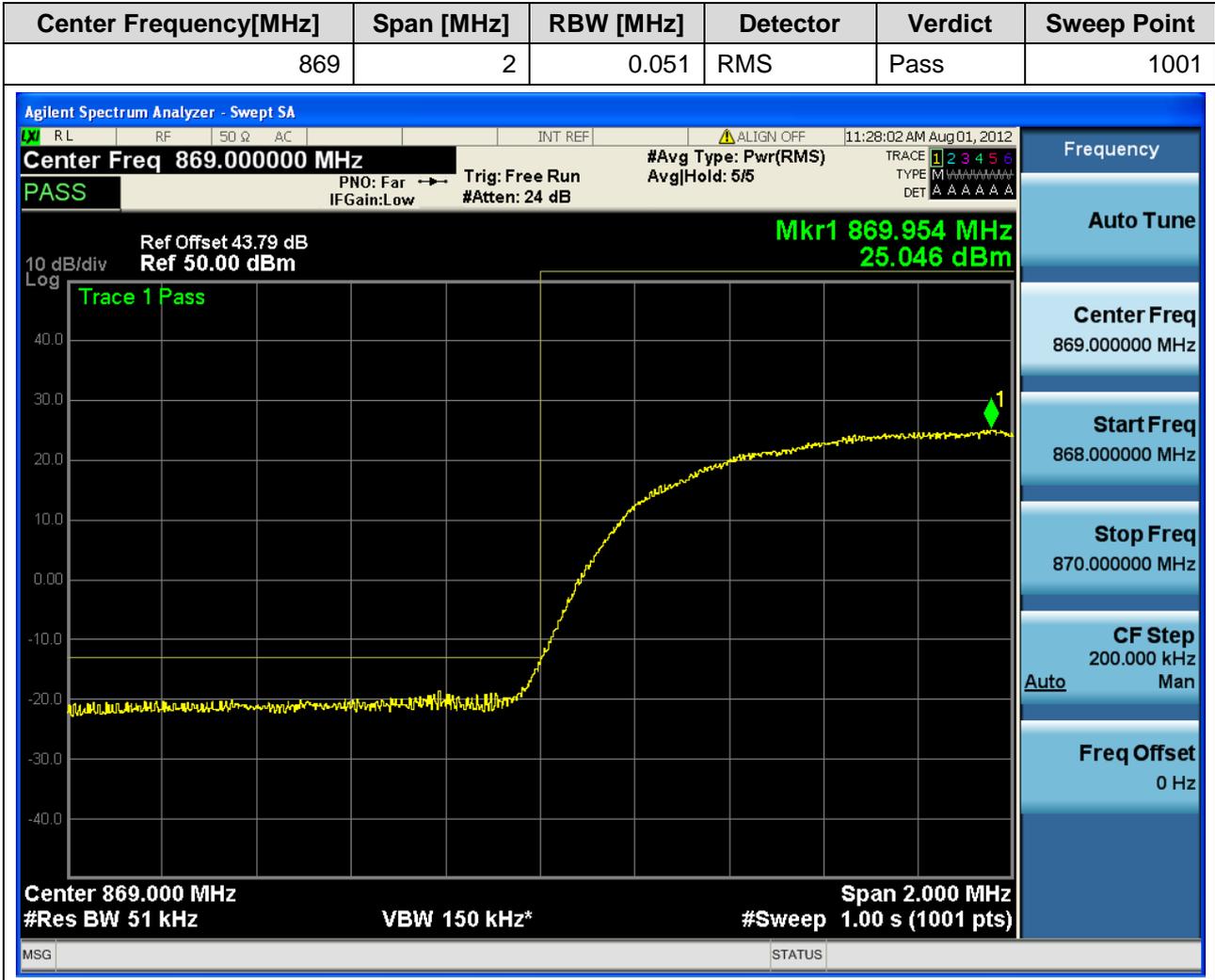


2.1.4 2U_T





2.1.5 3U_B





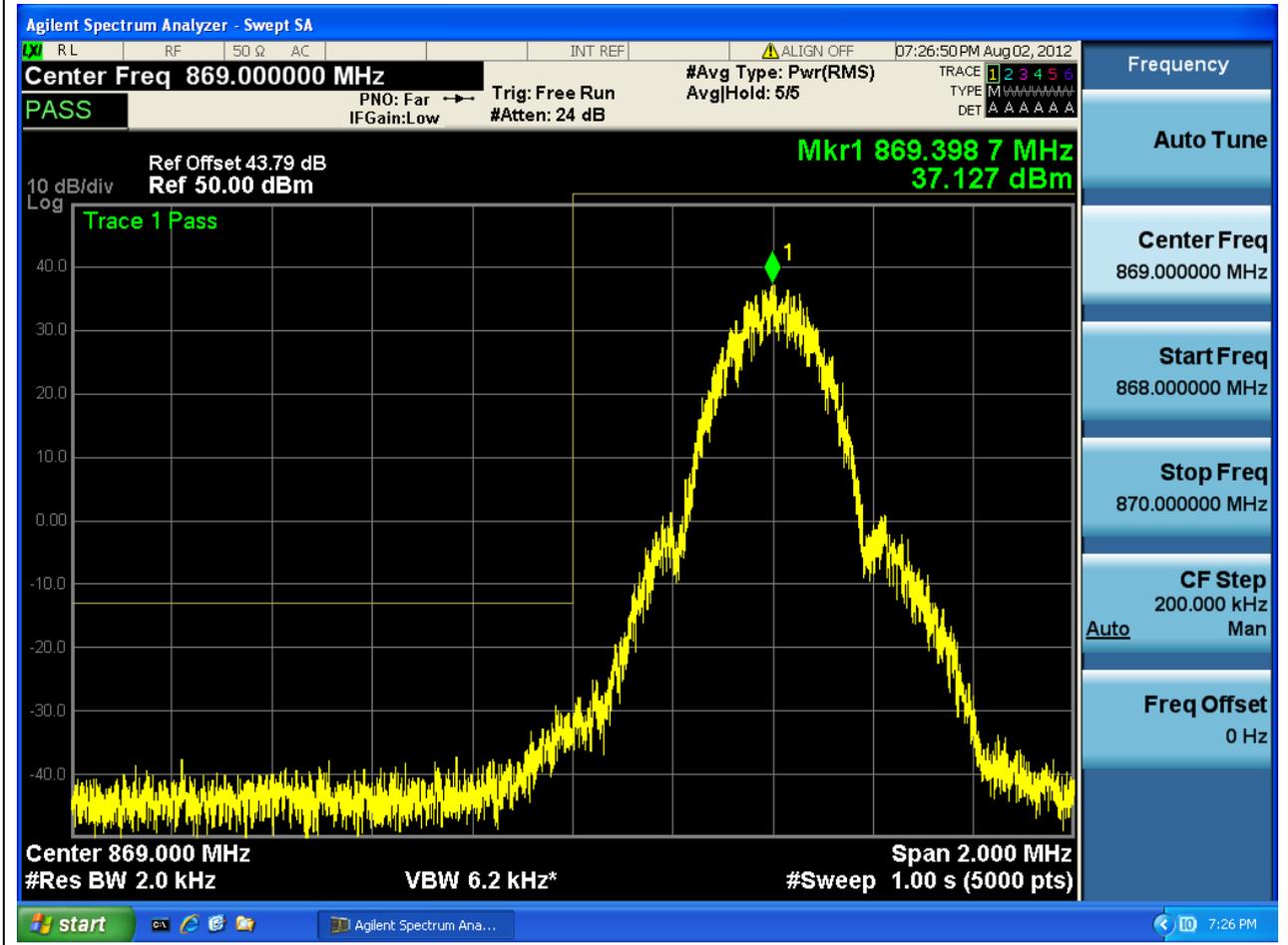
2.1.6 3U_T





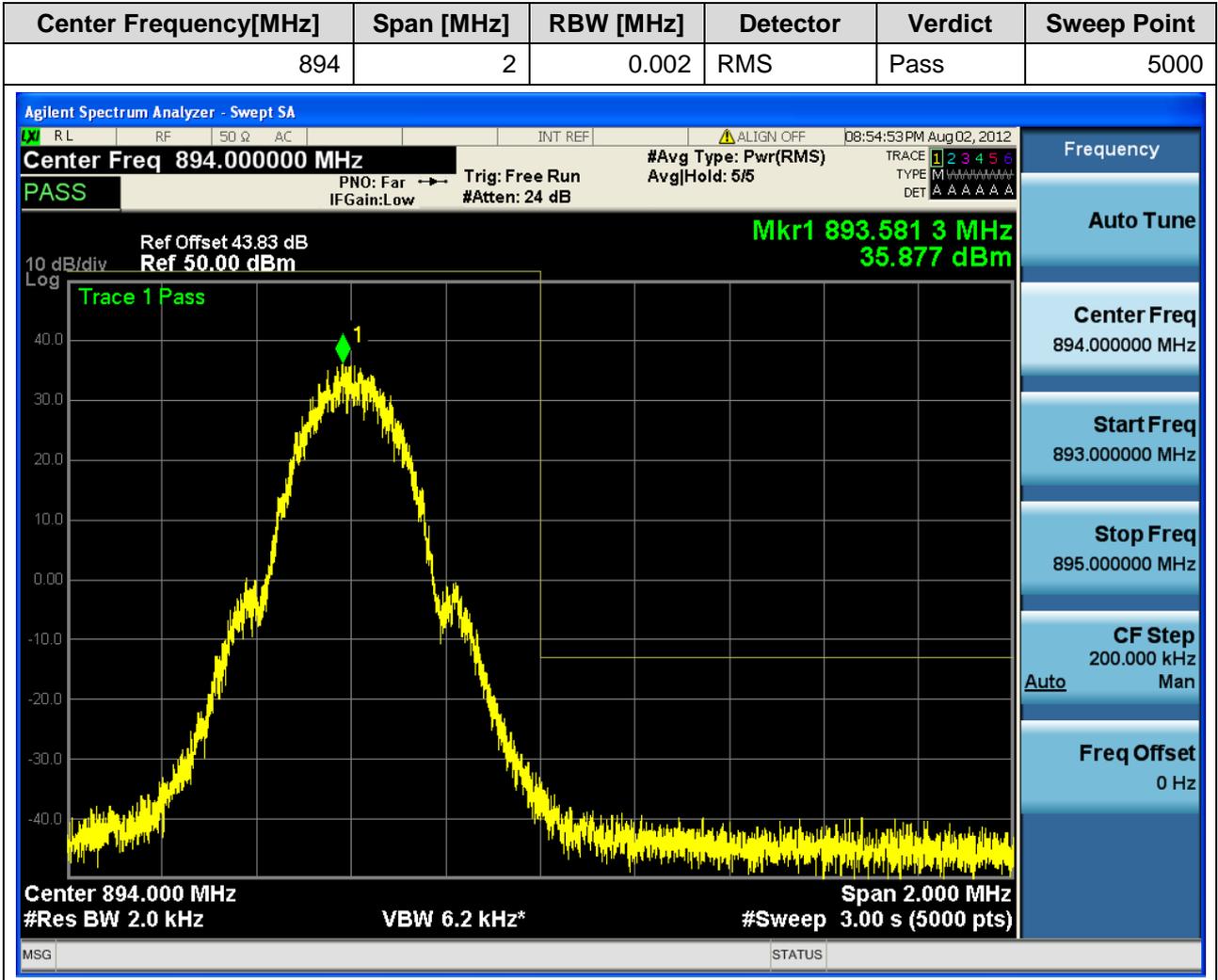
2.1.7 1G_GMSK_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5000





2.1.8 1G_GMSK_T



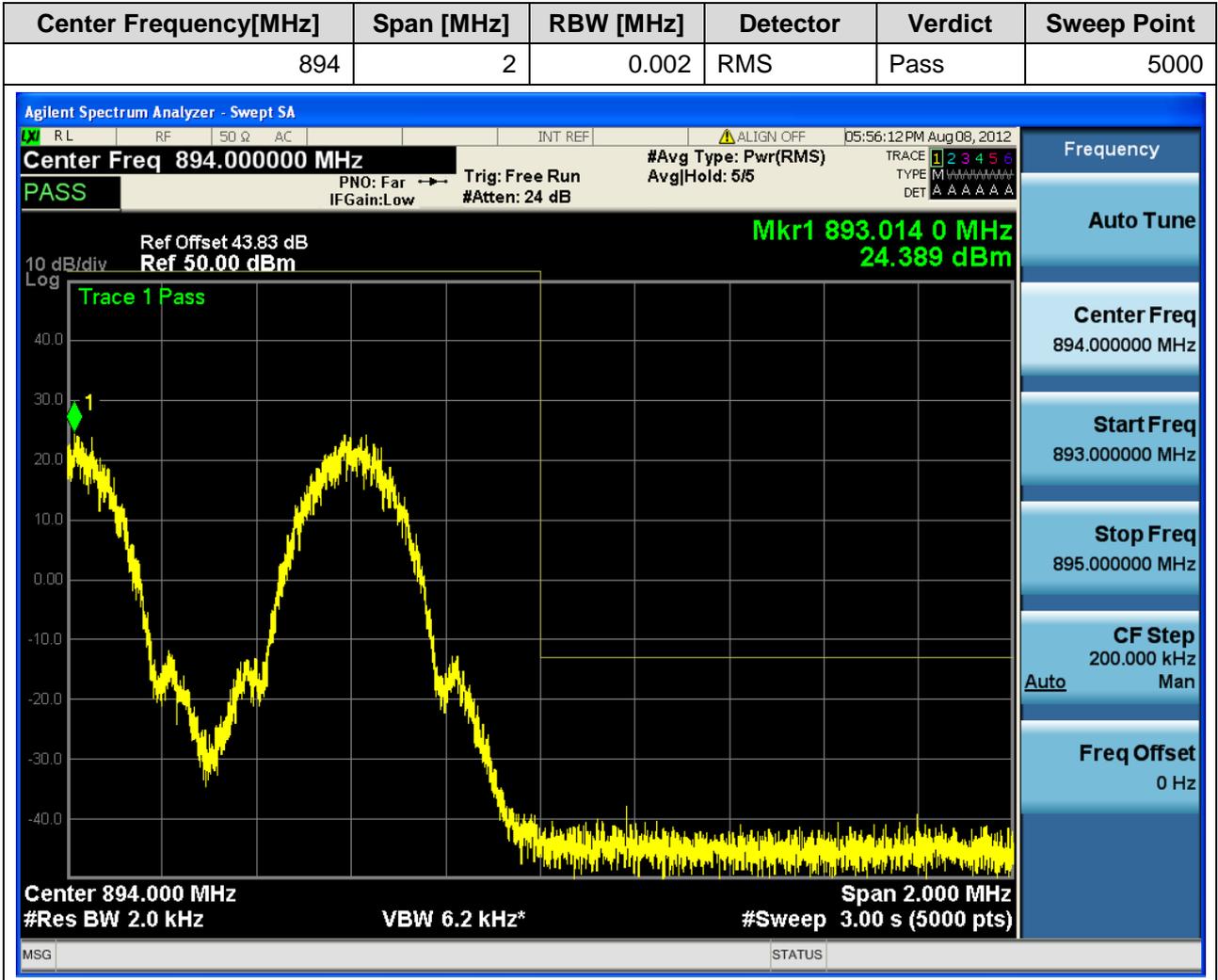


2.1.9 8G_GMSK_B



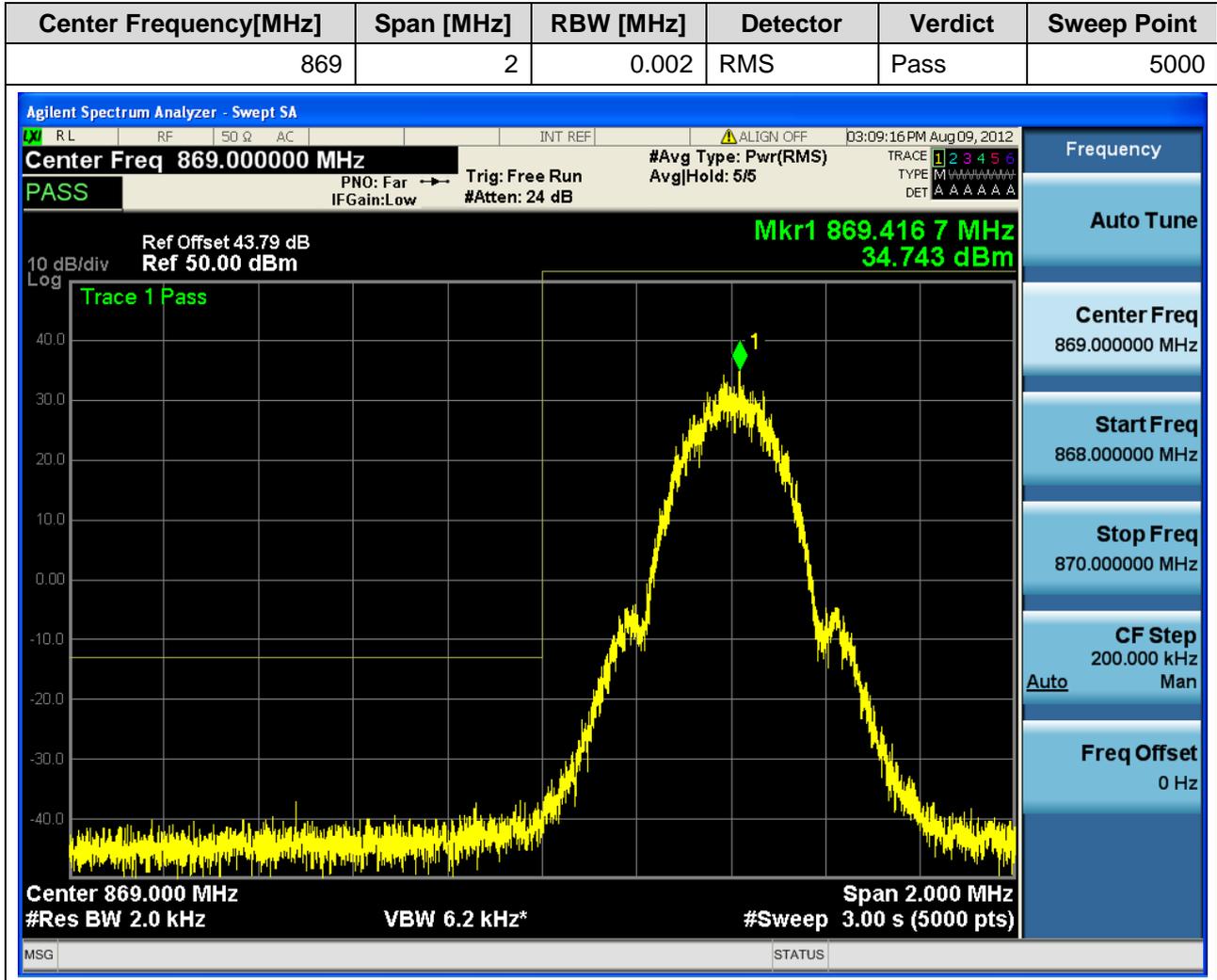


2.1.10 8G_GMSK_T



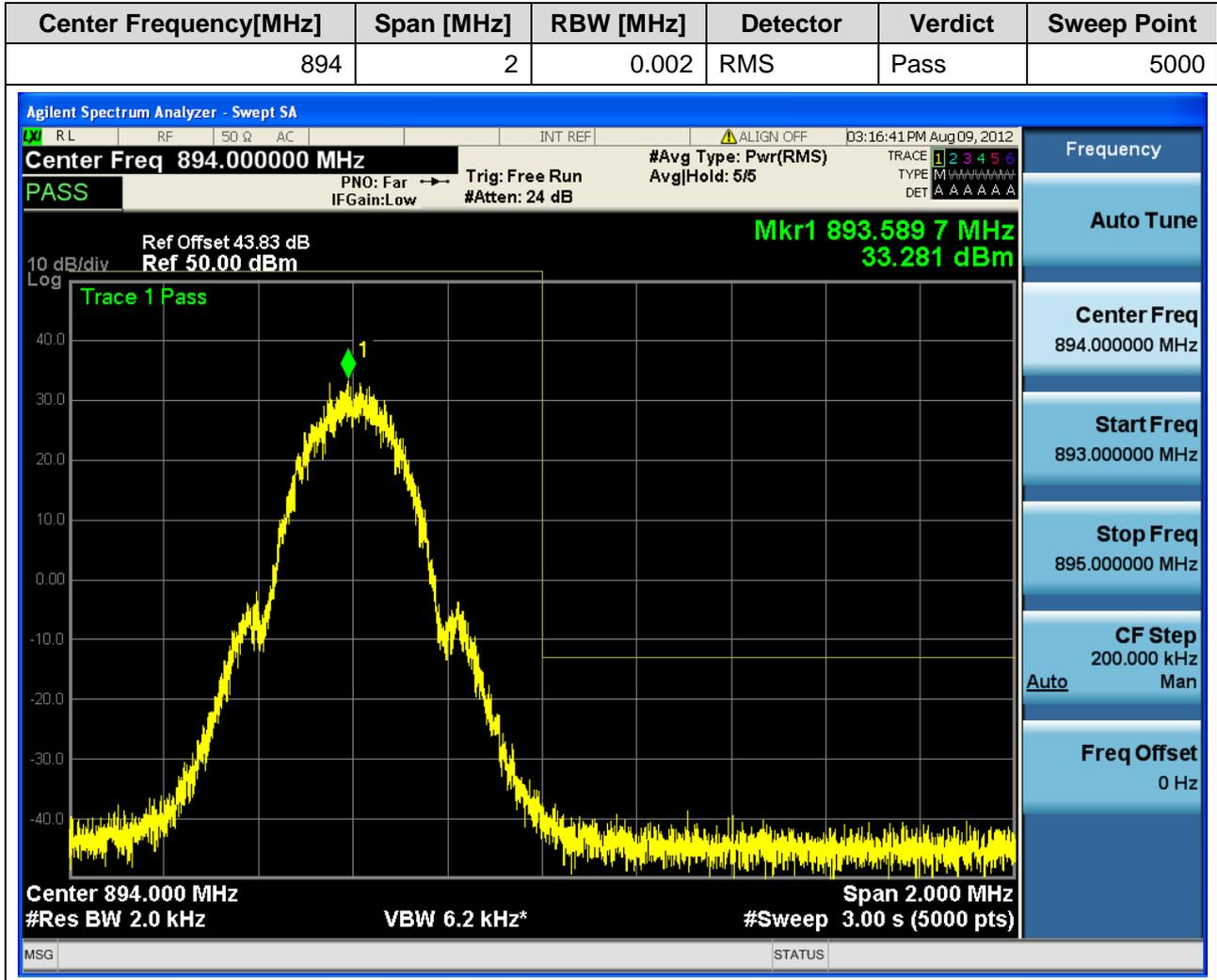


2.1.11 1G1U_B





2.1.12 1G1U_T



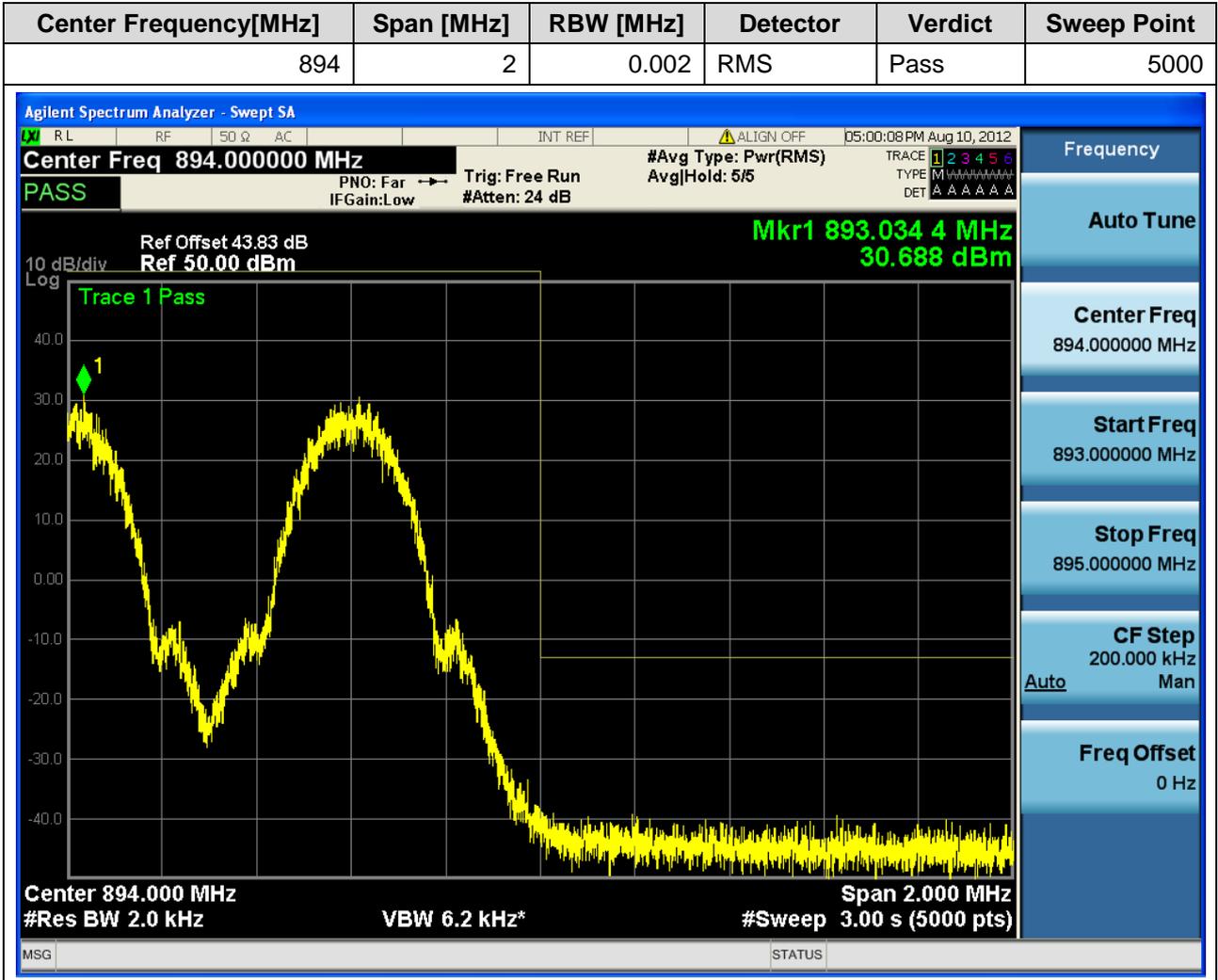


2.1.13 3G1U_B





2.1.14 3G1U_T

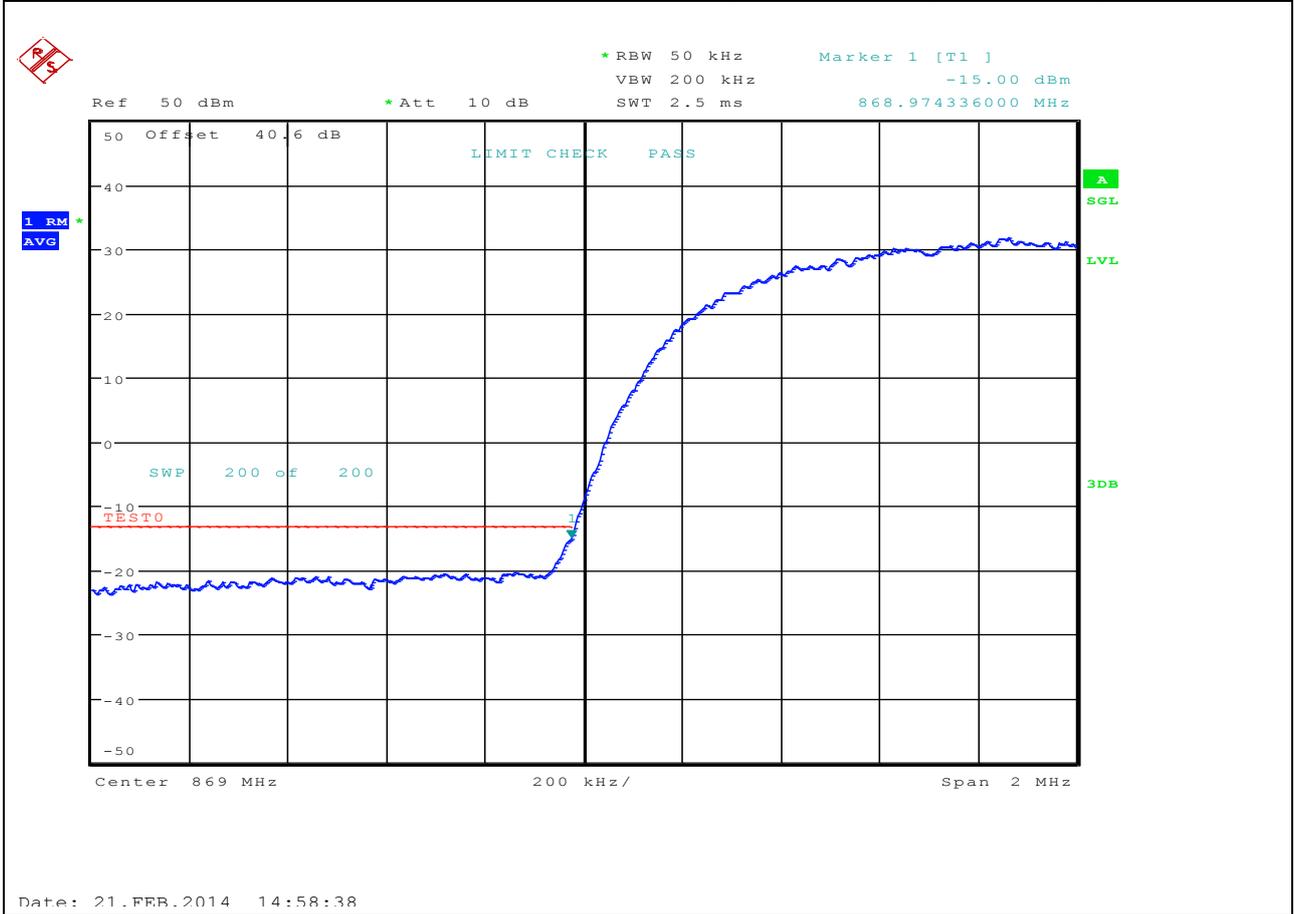




2.2 For test number SYBH(R)01271108

2.2.1 1U_80W_B_TM1_TRXB&1U_40W_B_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





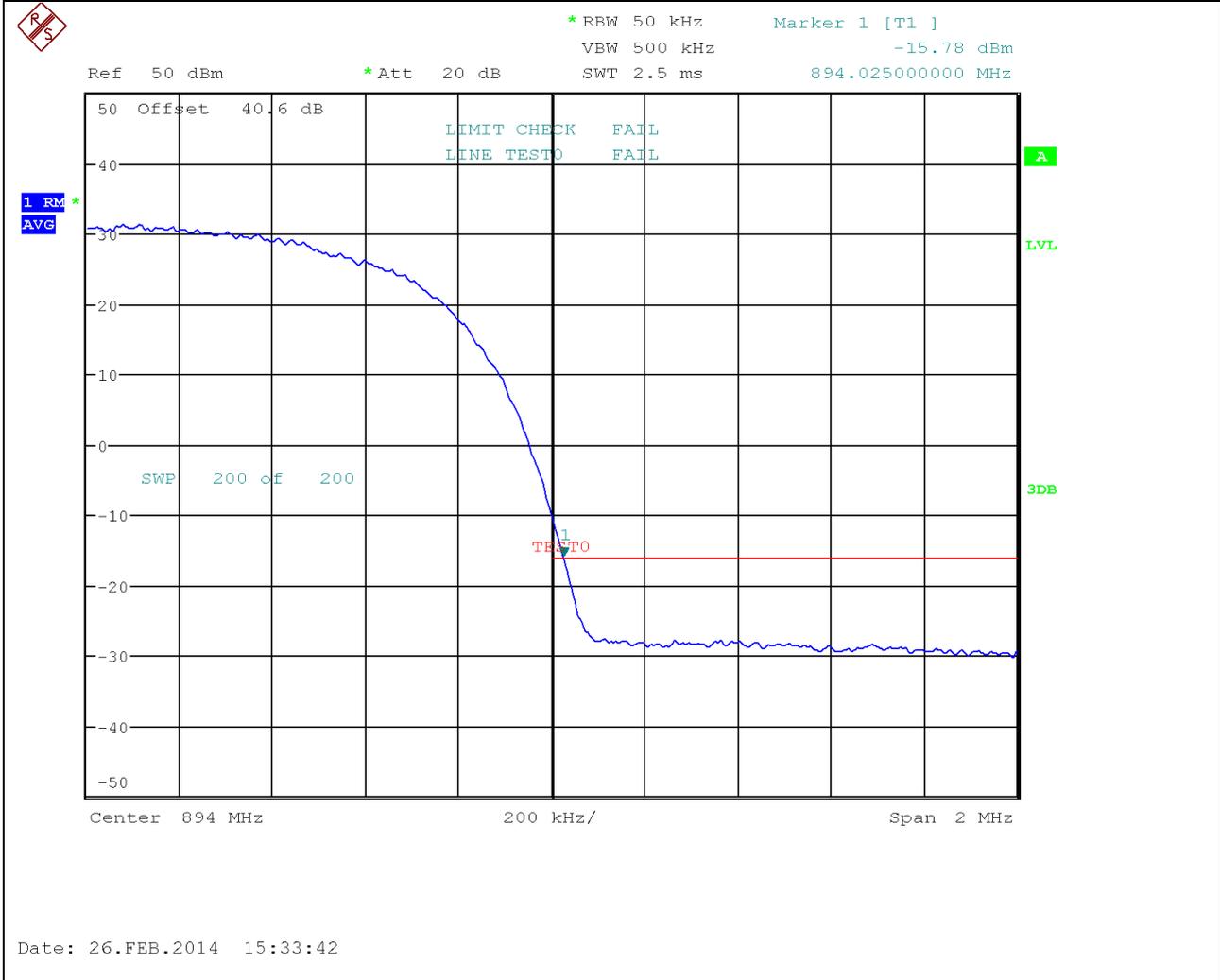
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





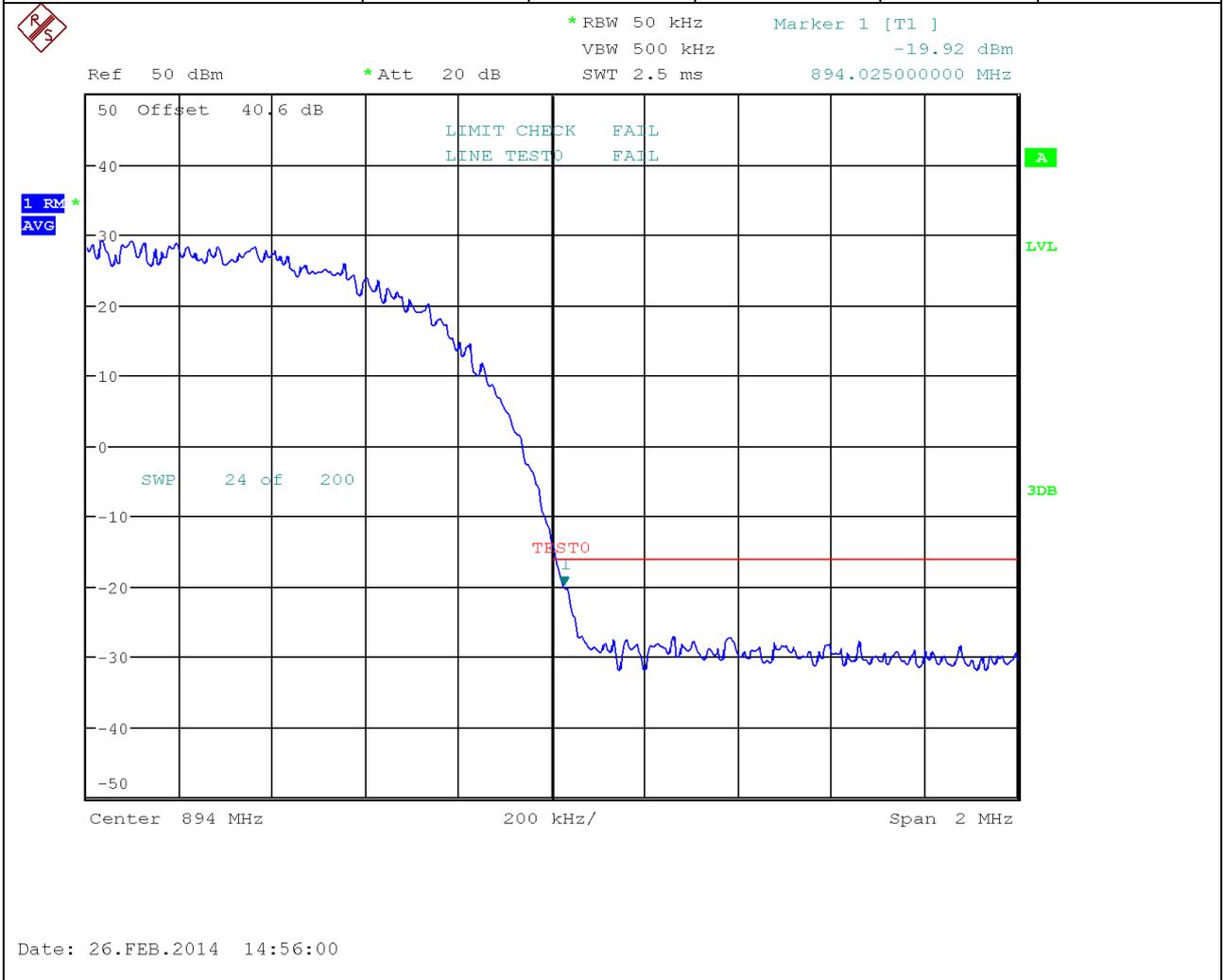
2.2.2 1U_80W_T_TM1_TRXB&1U_40W_T_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.05	RMS	Pass	625





Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.05	RMS	Pass	625





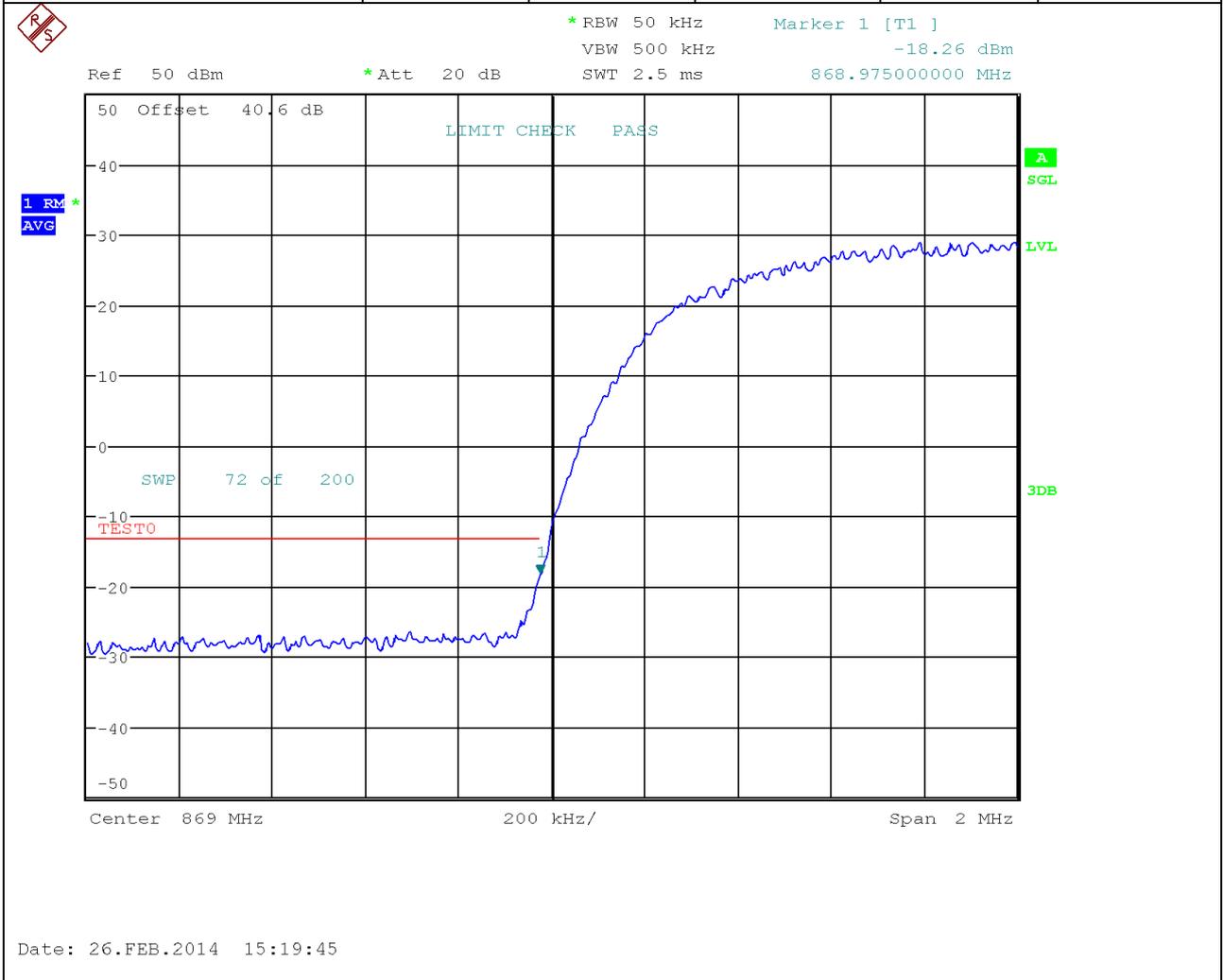
2.2.3 4U_80W_B_TM1_TRXB&4U_40W_B_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





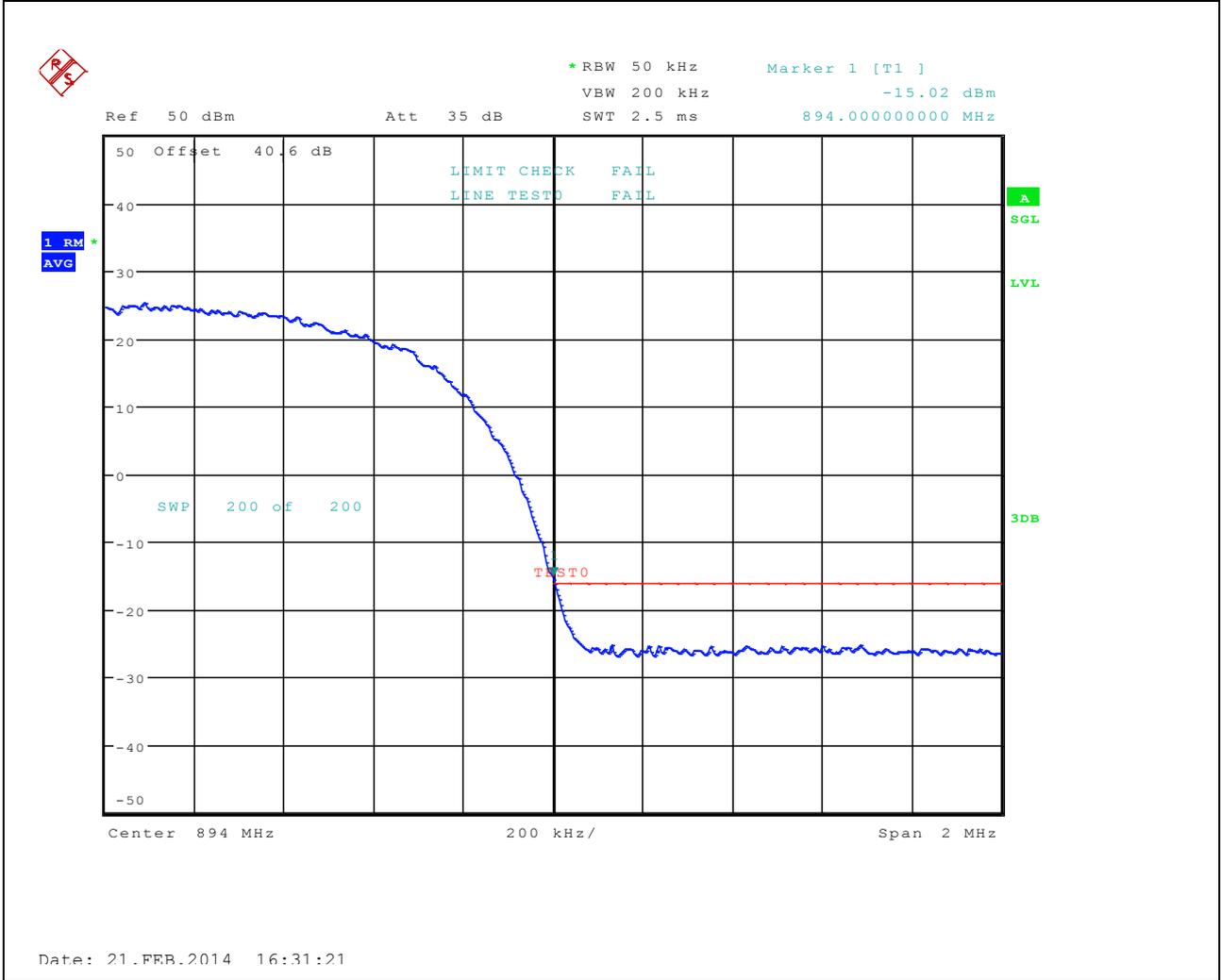
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





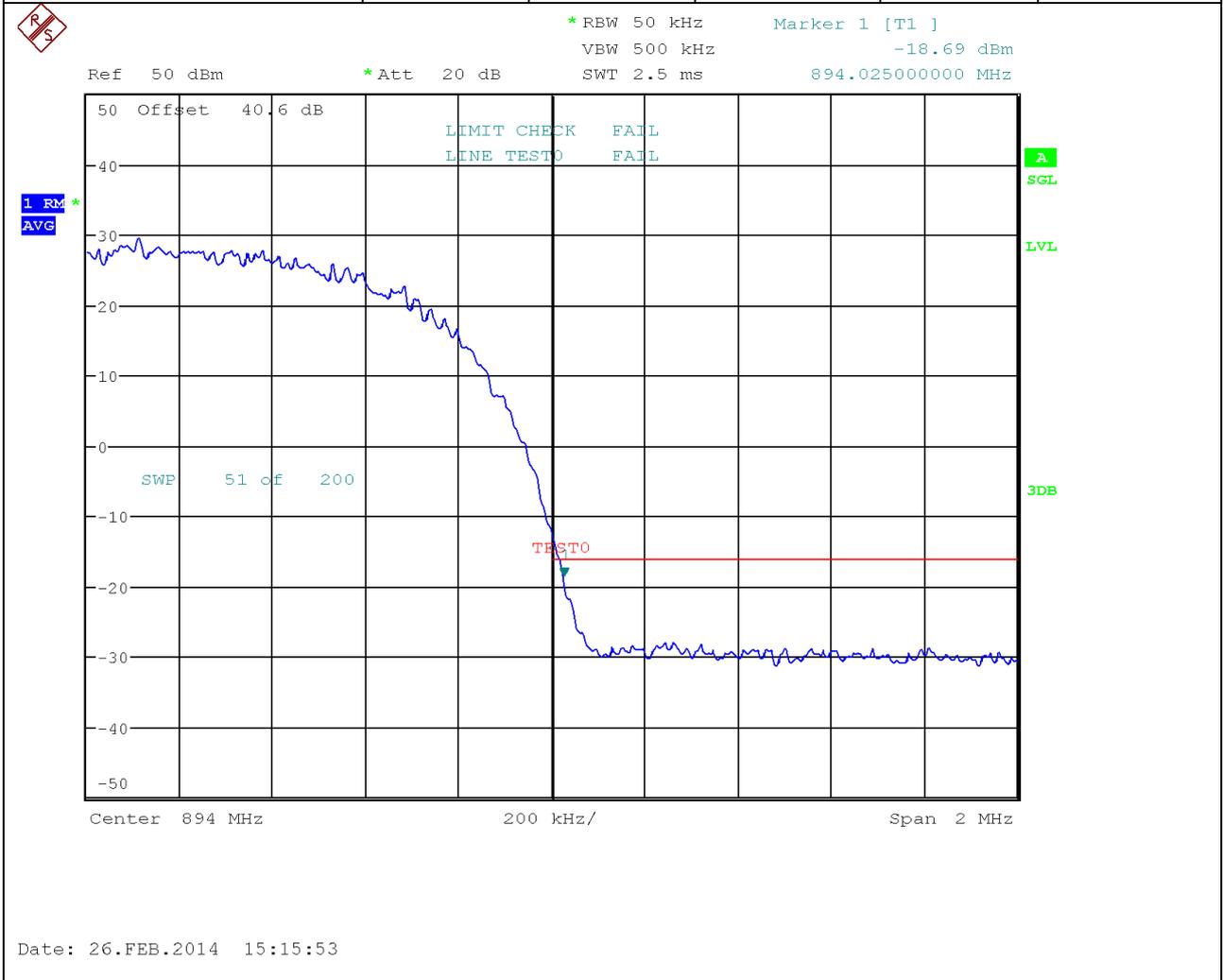
2.2.4 4U_80W_T_TM1_TRXB&4U_40W_T_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.05	RMS	Pass	625





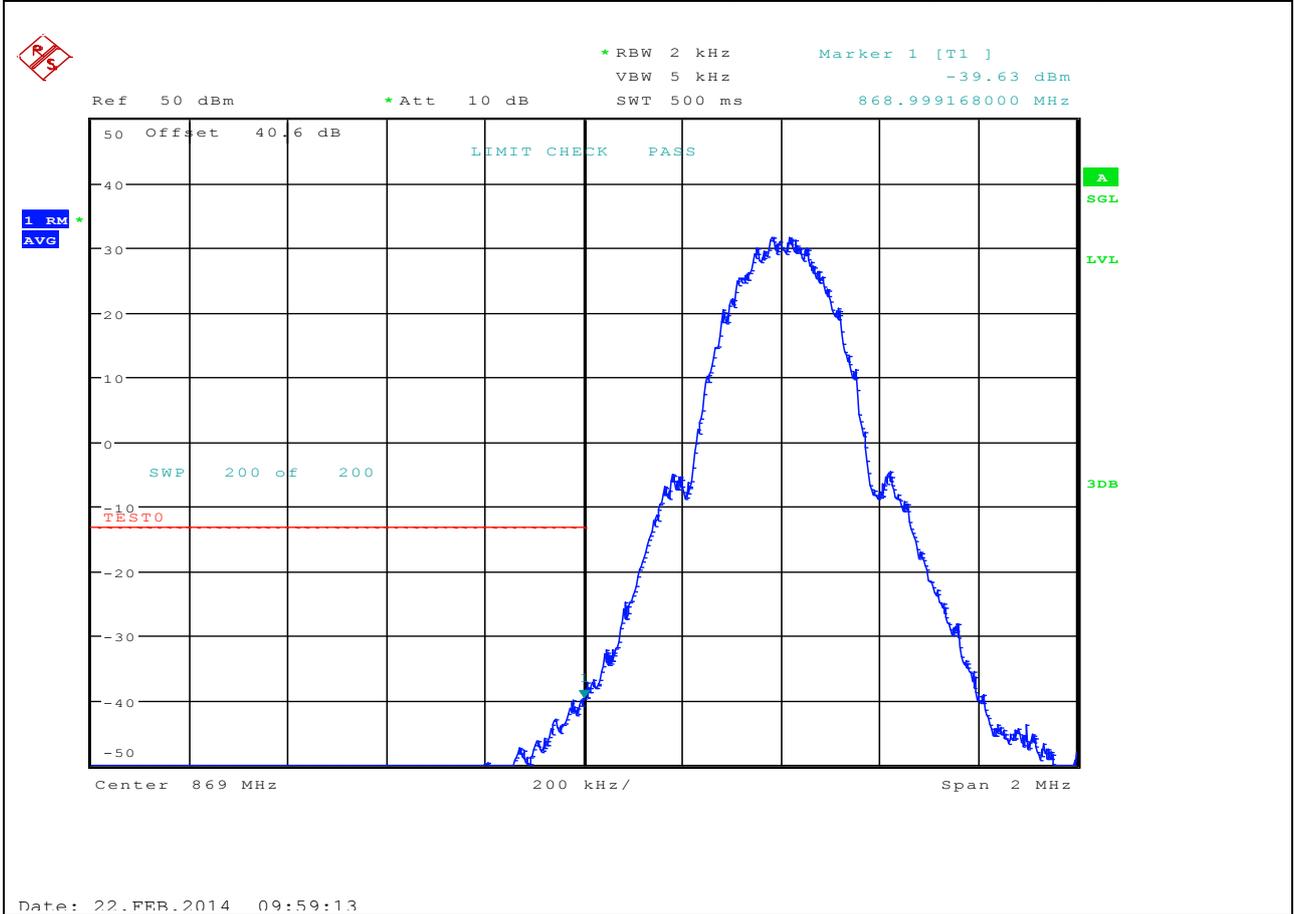
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.05	RMS	Pass	625





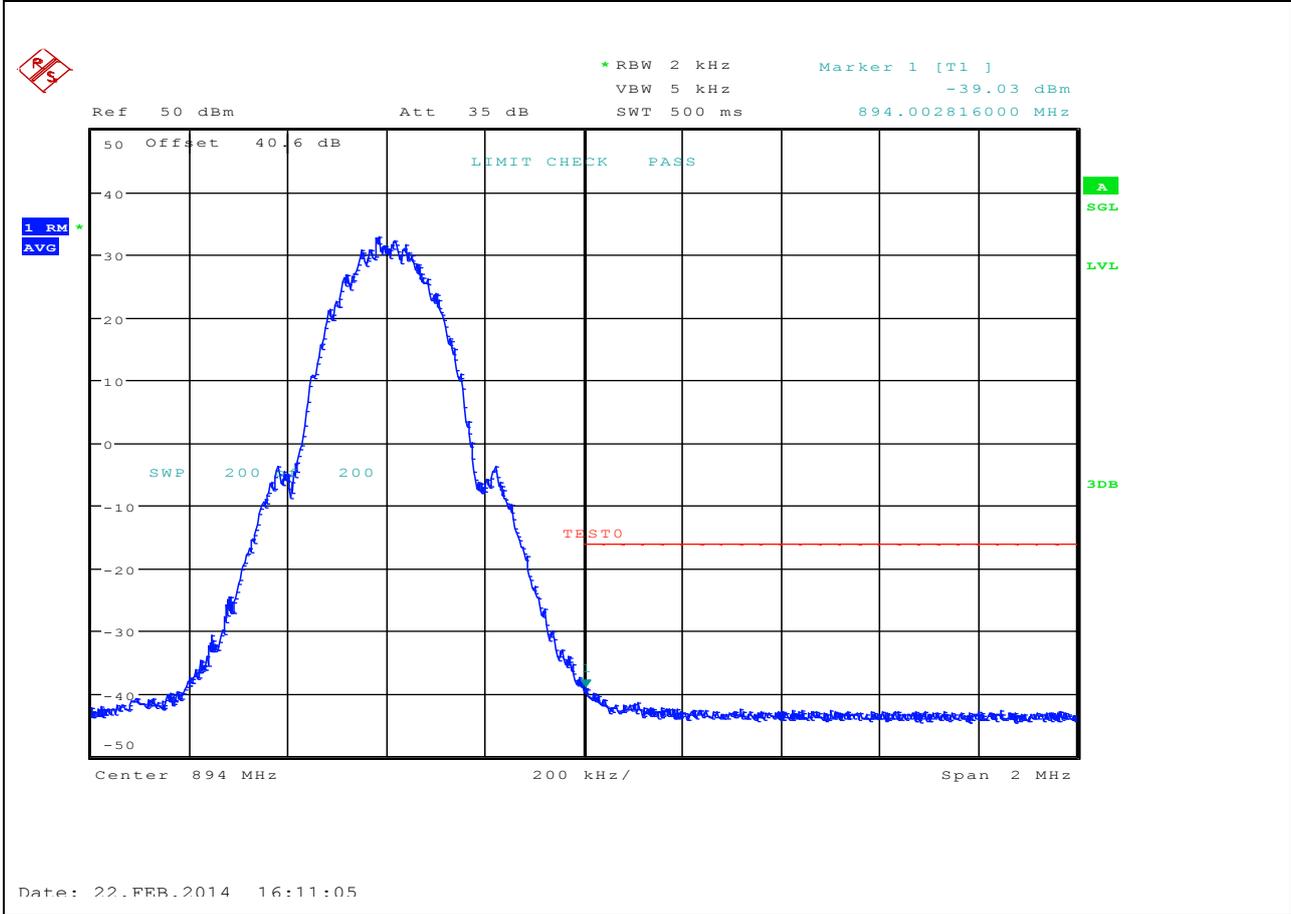
2.2.5 1G_80W_B_TM1_TRXB

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001



2.2.6 1G_80W_T_TM1_TRXB

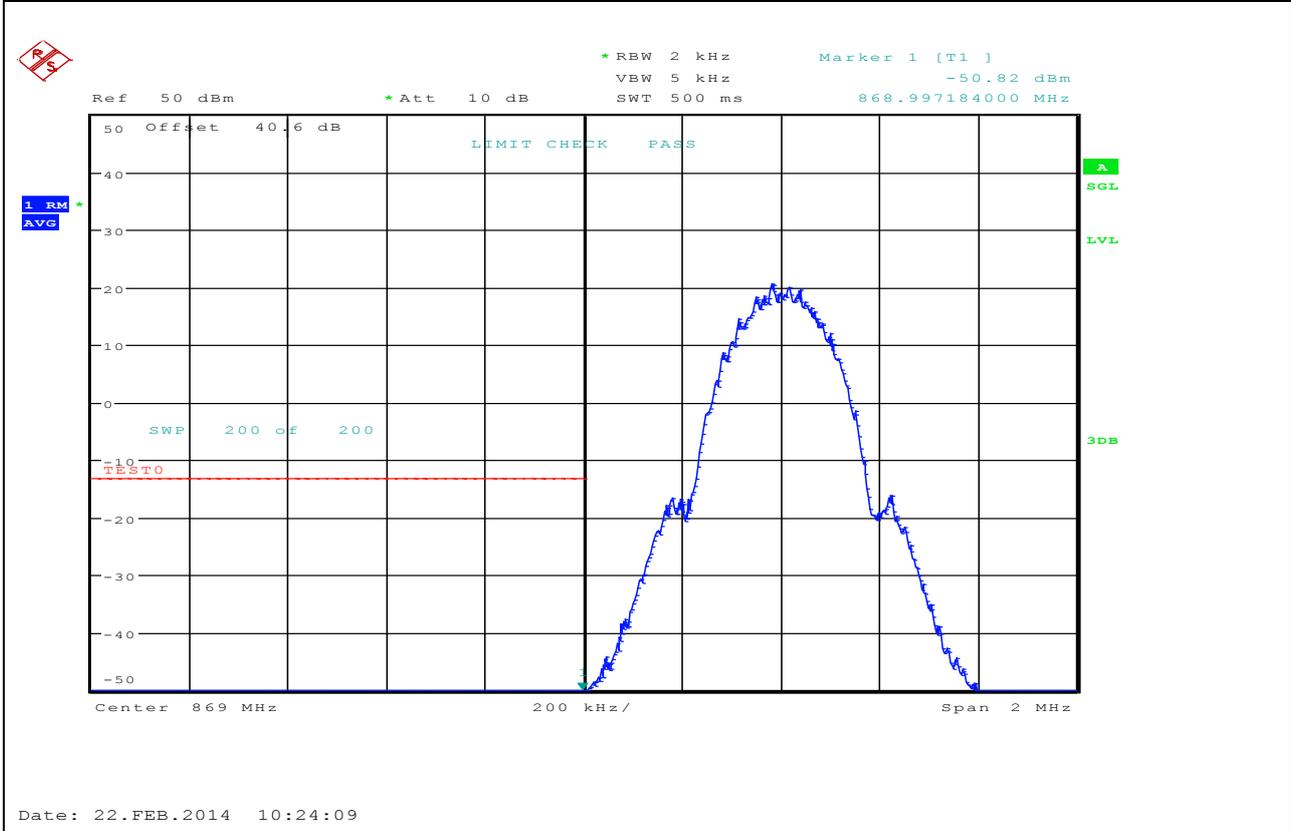
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.002	RMS	Pass	5001





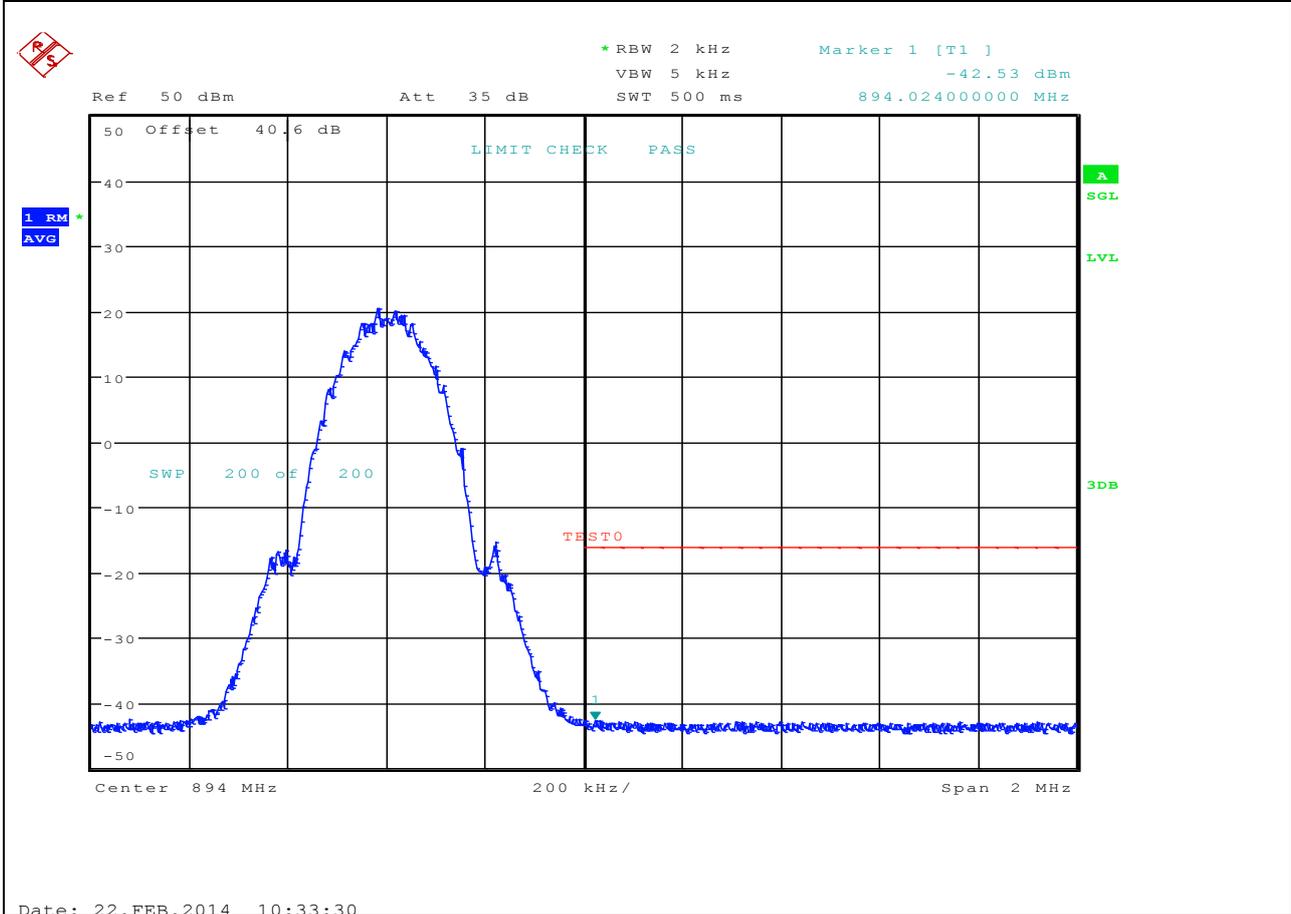
2.2.7 8G_80W_B_TM1_TRXB

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001



2.2.8 8G_80W_T_TM1_TRXB

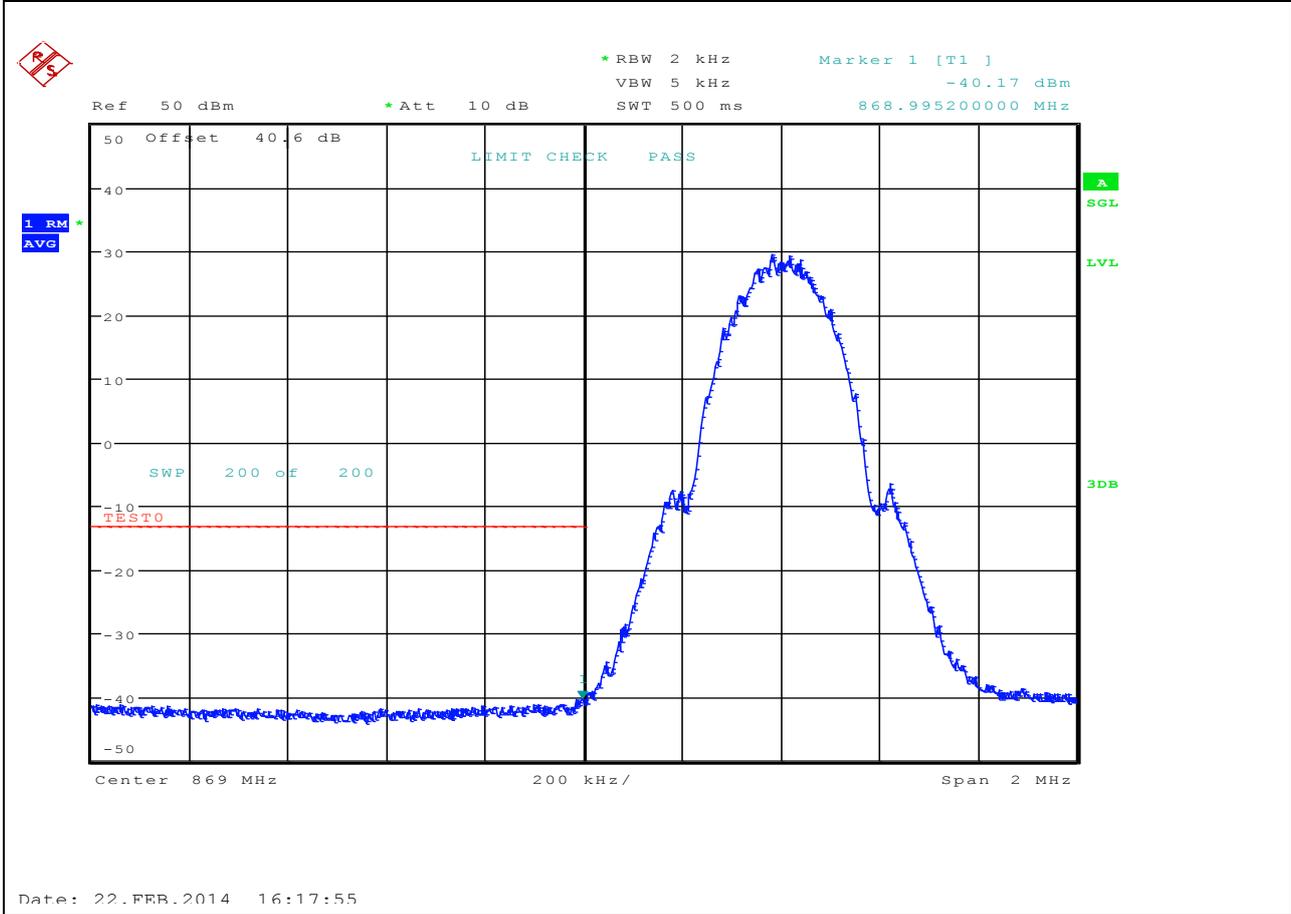
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.002	RMS	Pass	5001





2.2.9 1G1U_80W_B_TM1_TRXB

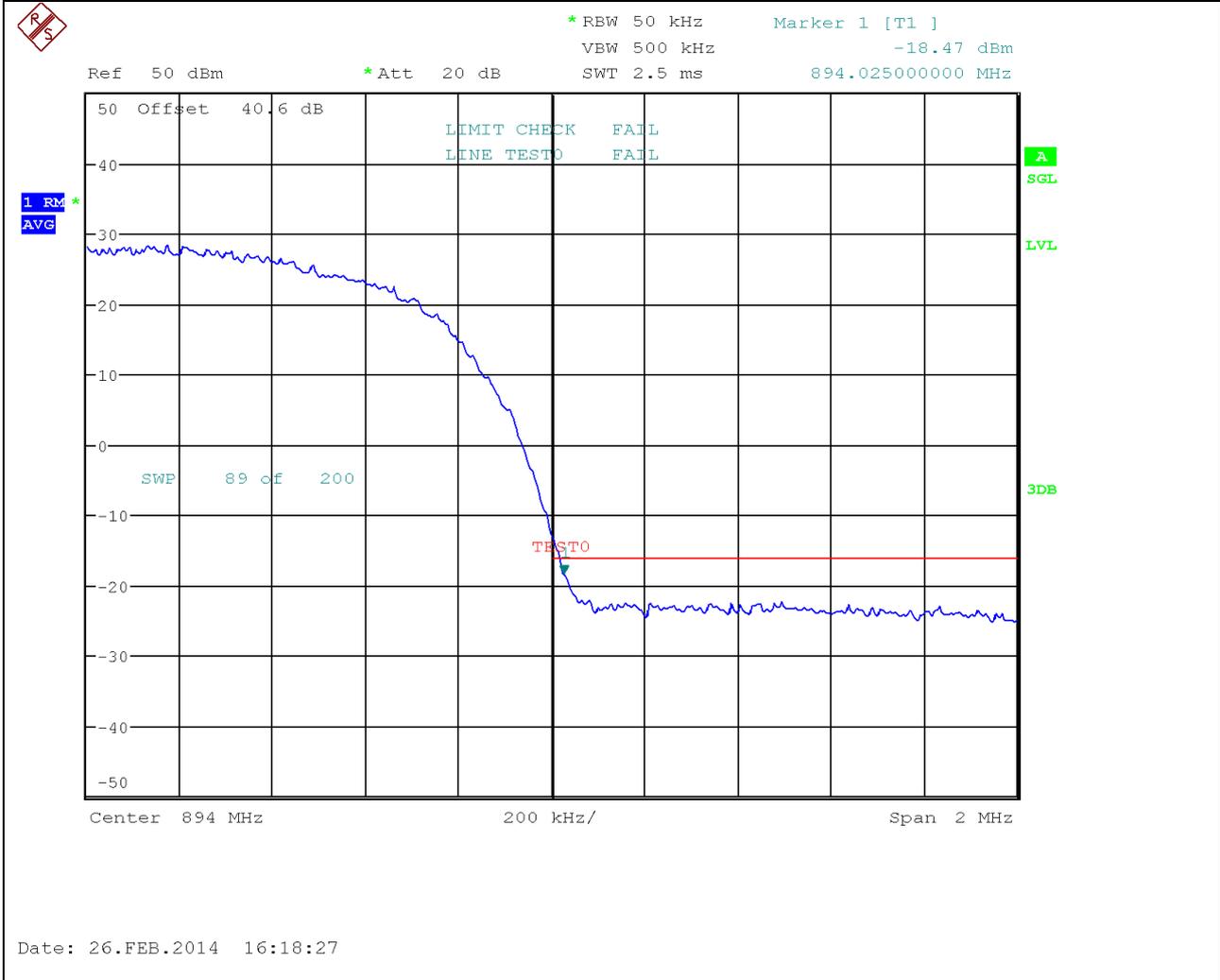
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





2.2.10 1G1U_80W_T_TM1_TRXB

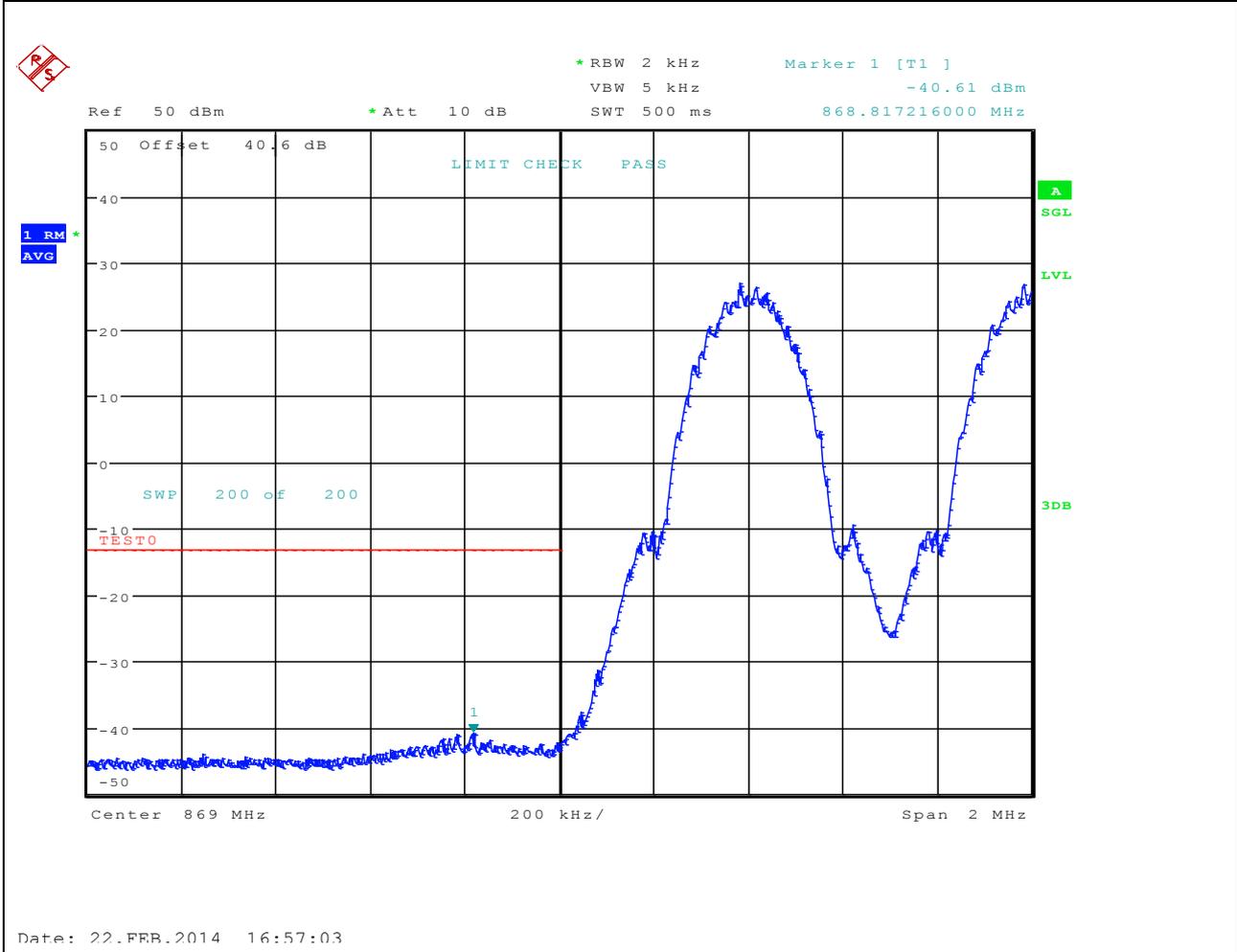
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.05	RMS	Pass	5001





2.2.11 3G1U_80W_B_TM1_TRXB

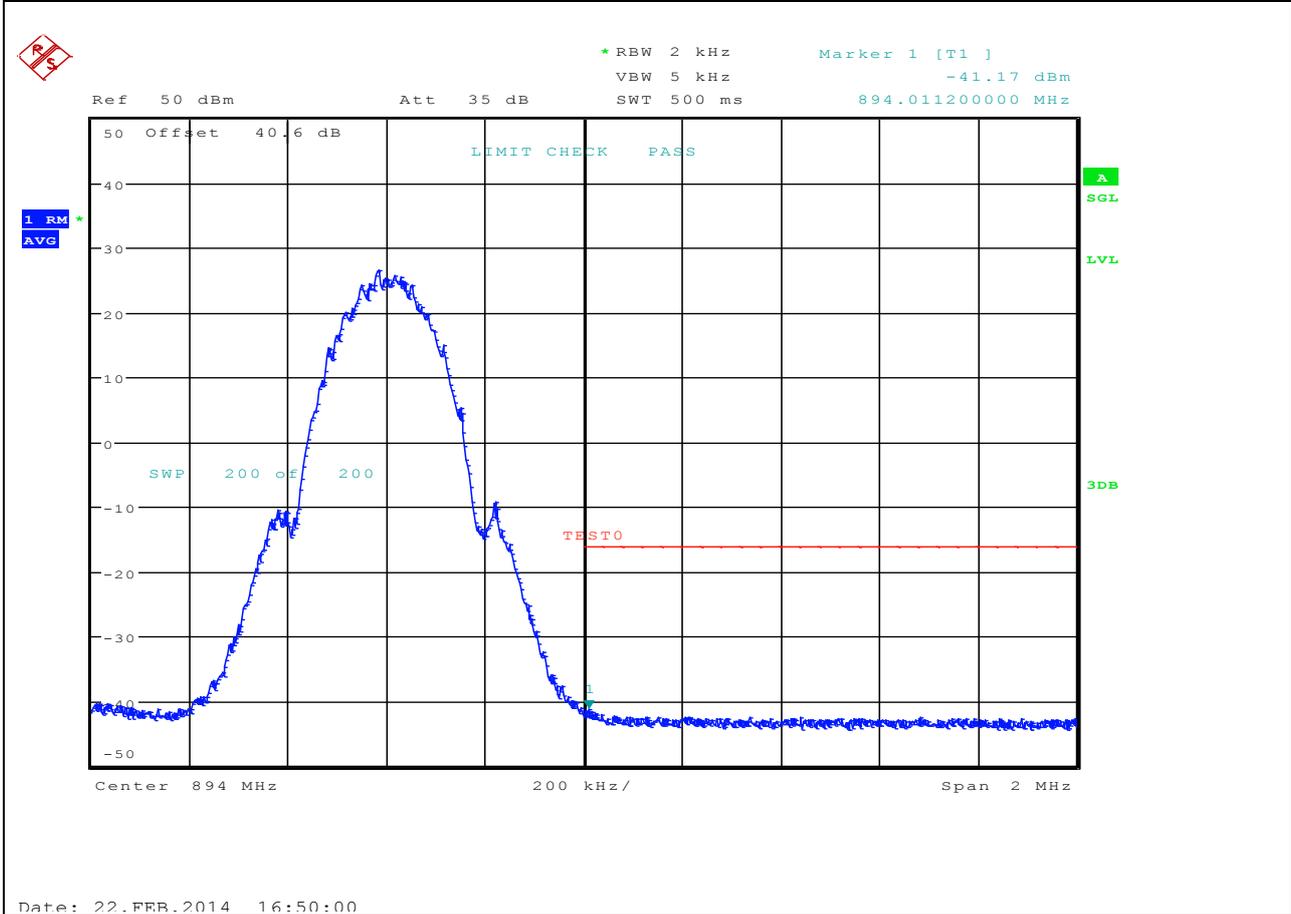
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





2.2.12 3G1U_80W_T_TM1_TRXB

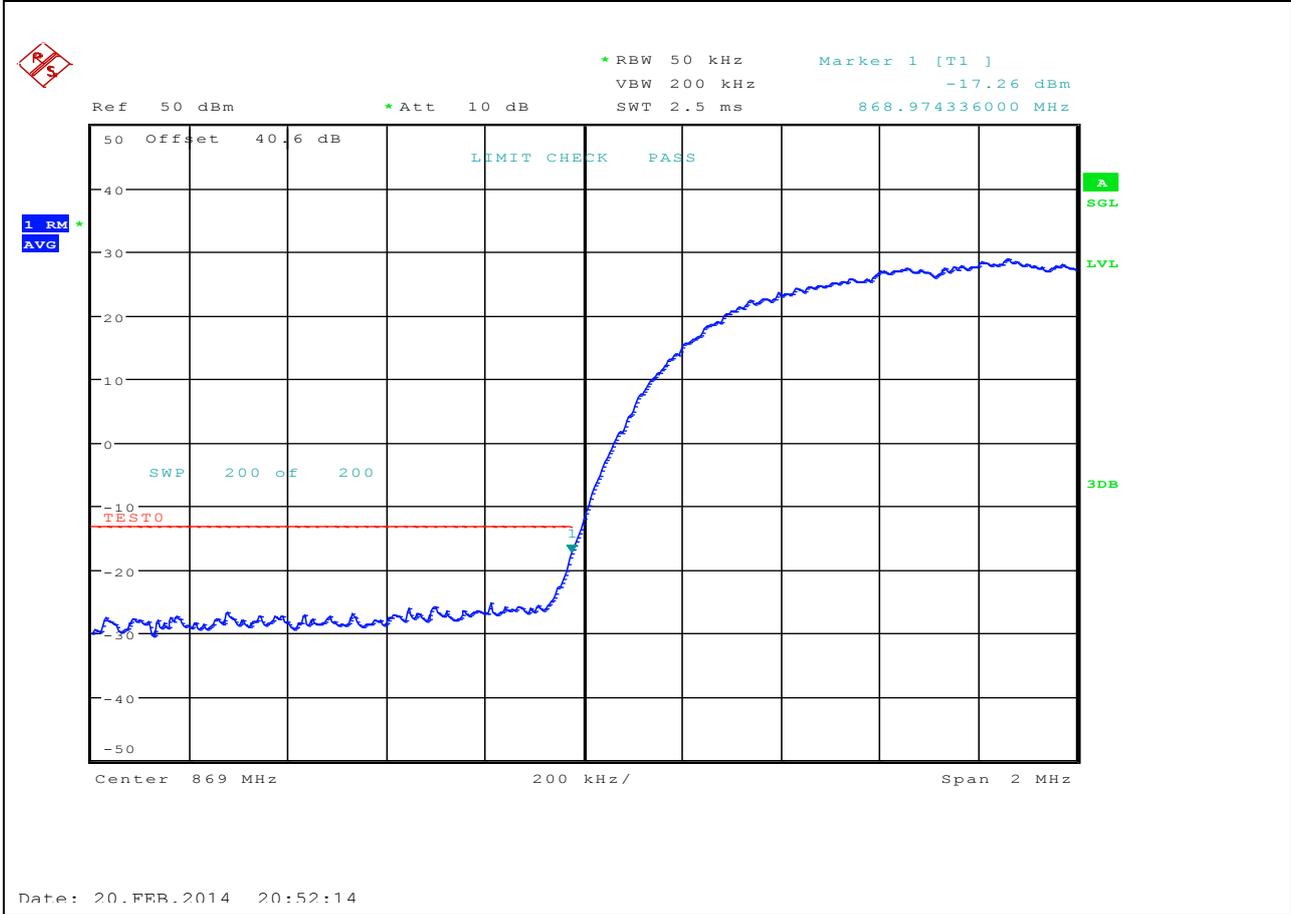
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.002	RMS	Pass	5001





2.2.13 1U1L_1.4M_80W_B_TM1_TRXB

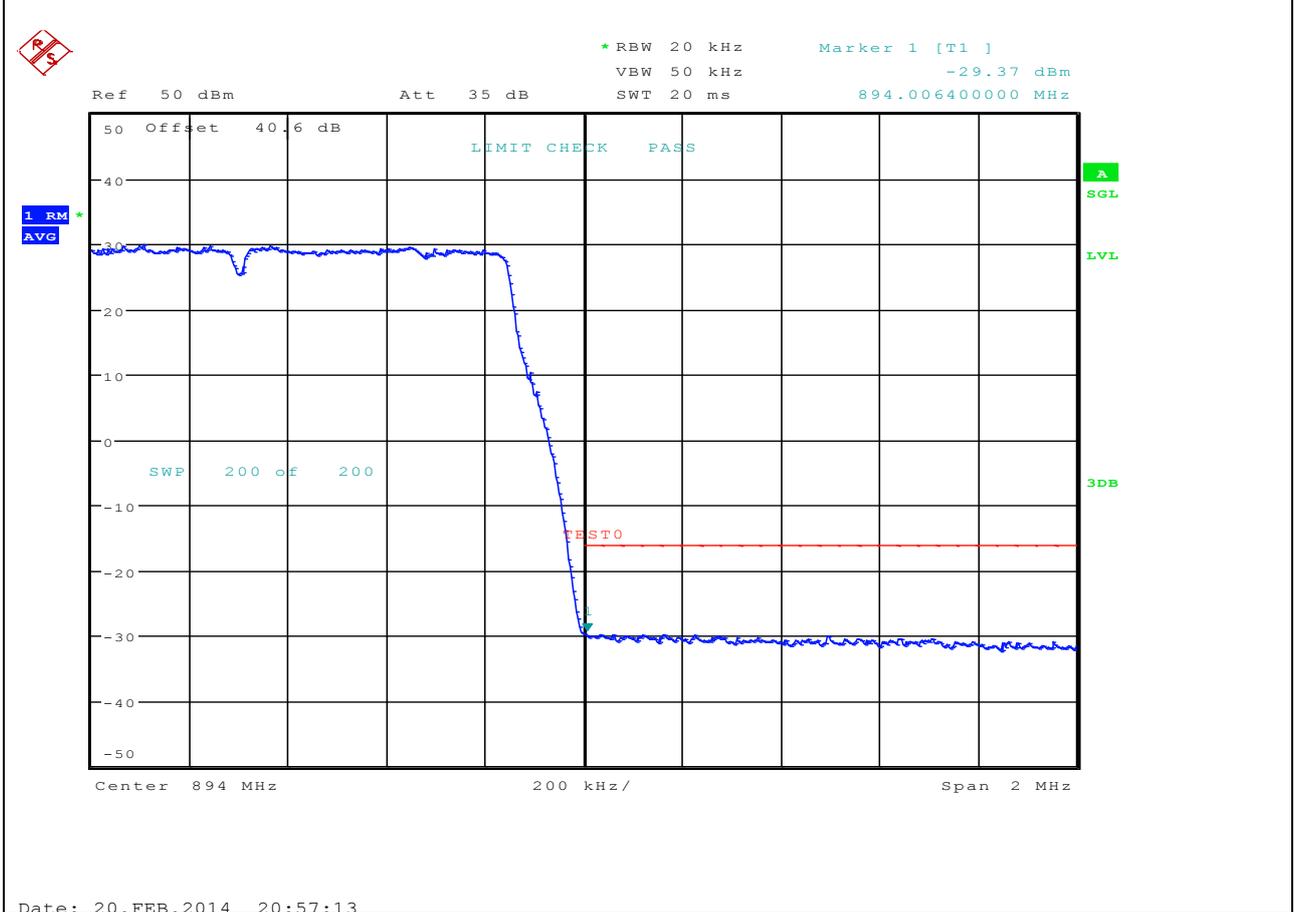
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





2.2.14 1U1L_1.4M_80W_T_TM1_TRXB

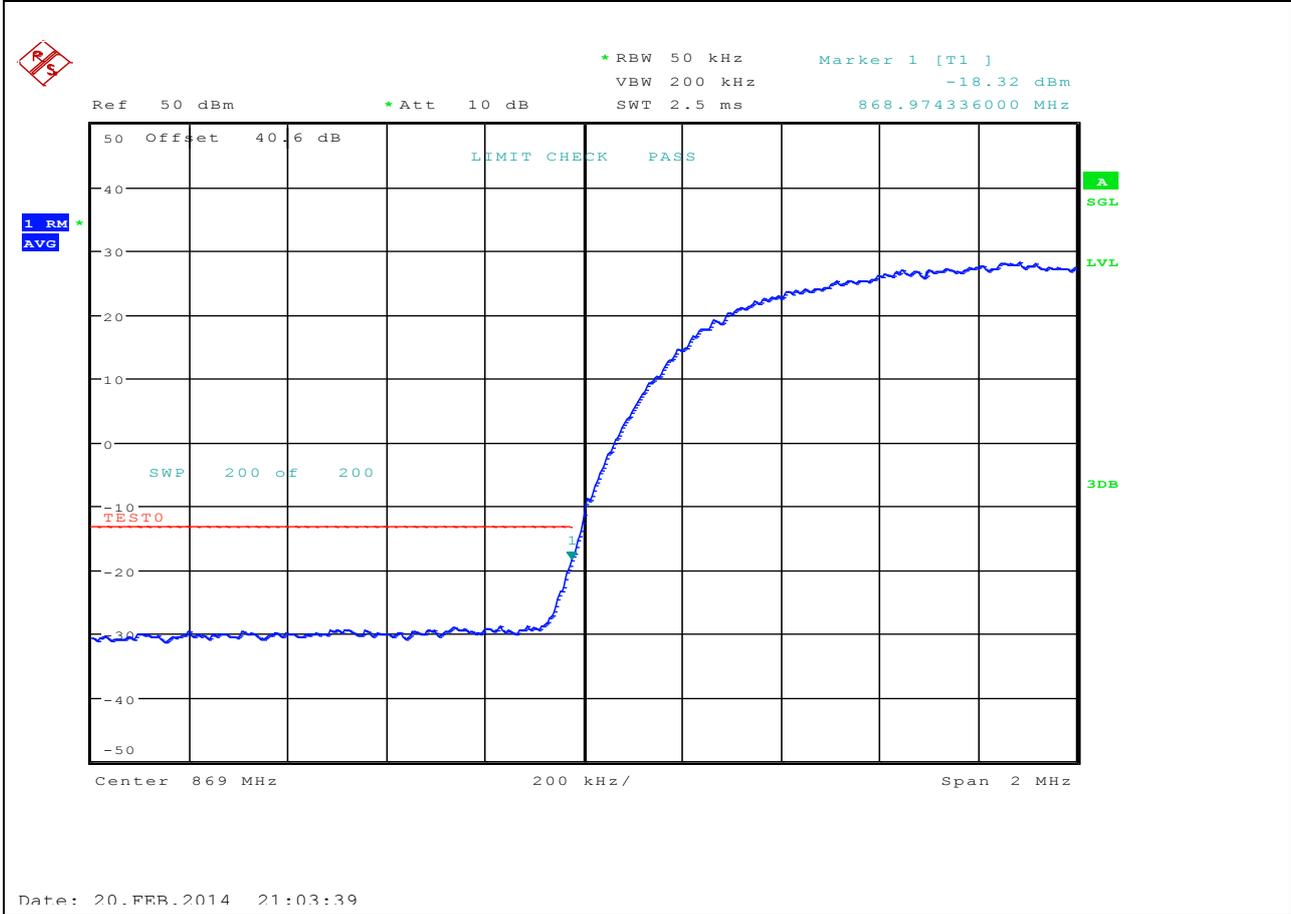
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.02	RMS	Pass	625





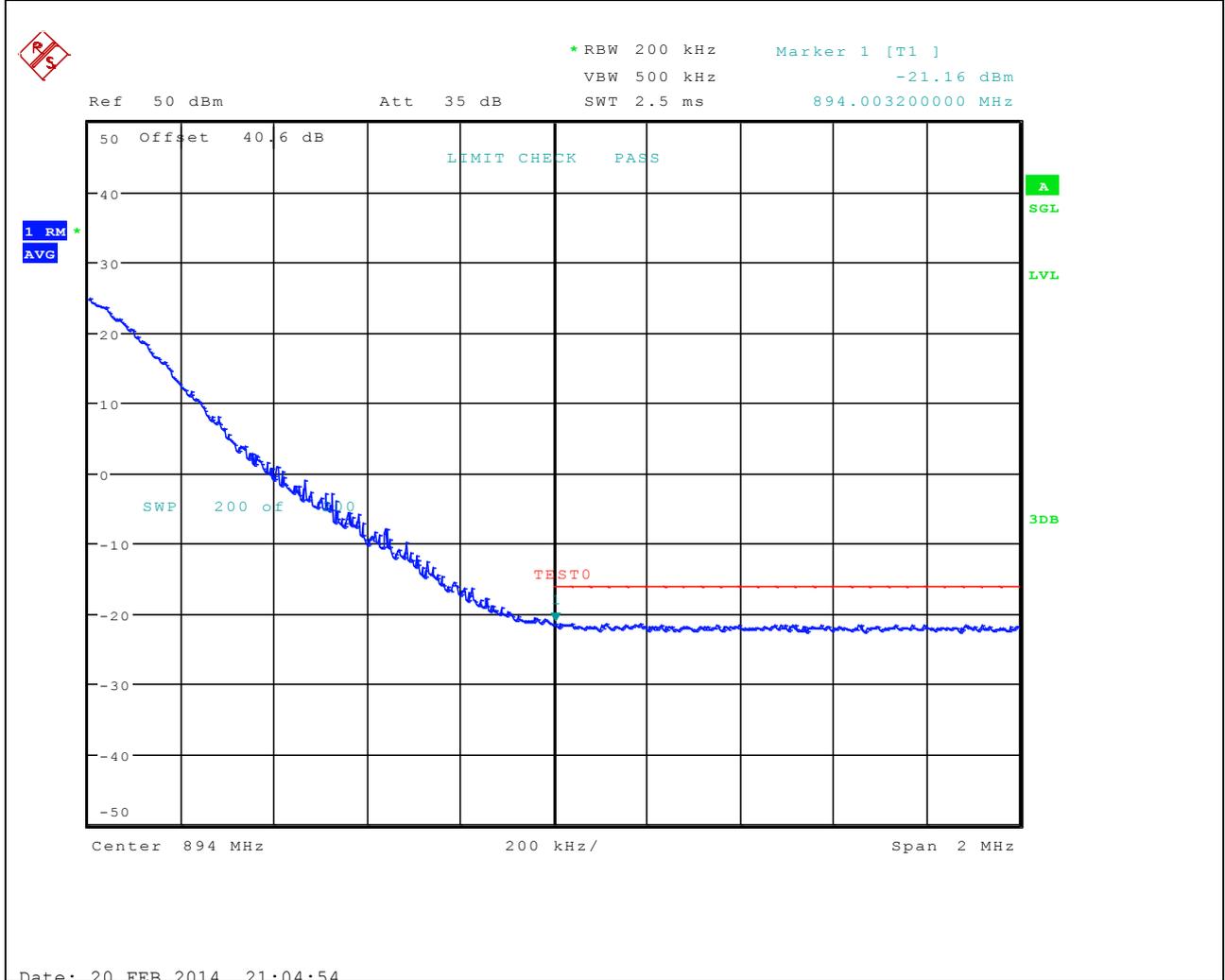
2.2.15 1U1L_20M_80W_B_TM1_TRXB

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.2	RMS	Pass	625





2.2.16 3U1L_1.4M_80W_B_TM1_TRXB

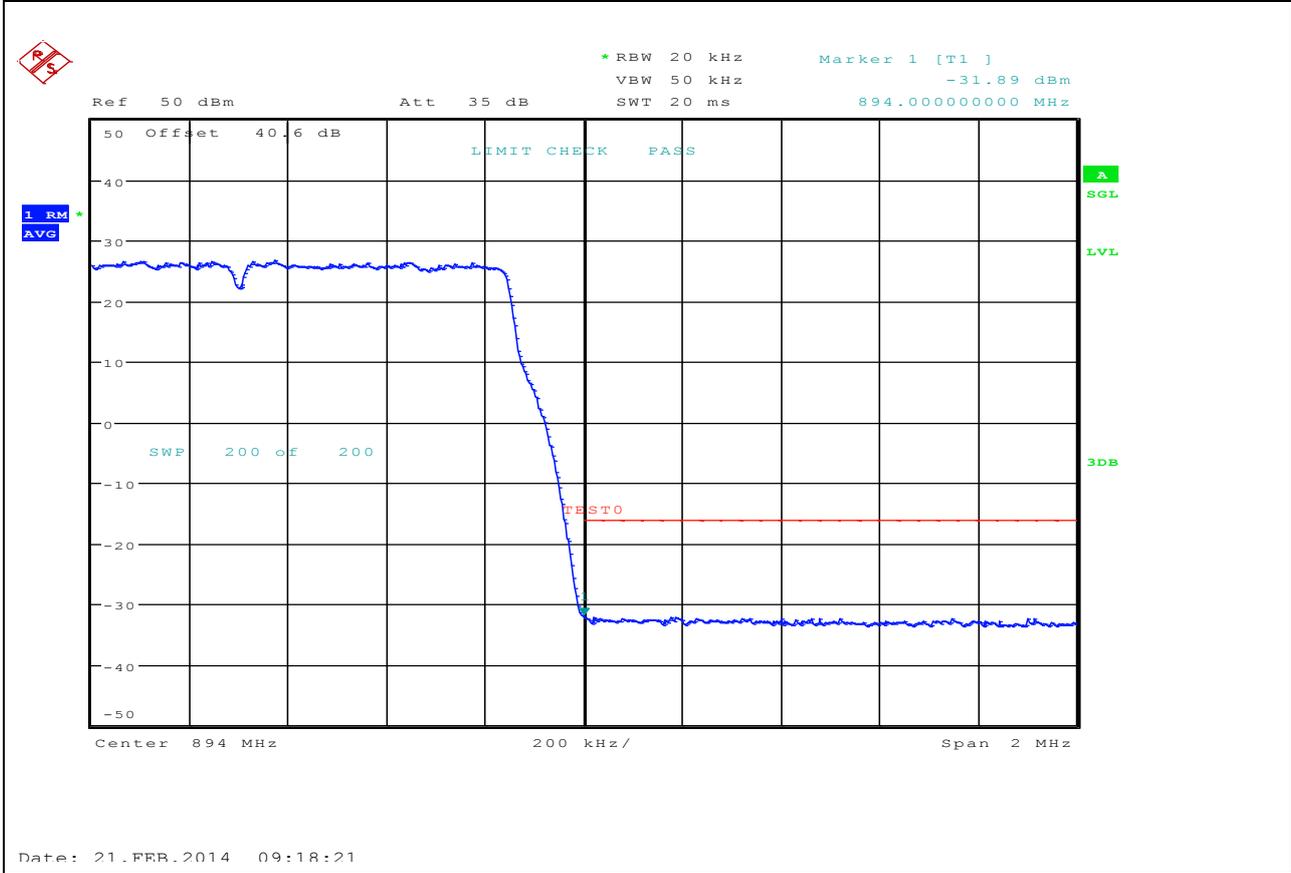
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.05	RMS	Pass	625





2.2.17 3U1L_1.4M_80W_T_TM1_TRXB

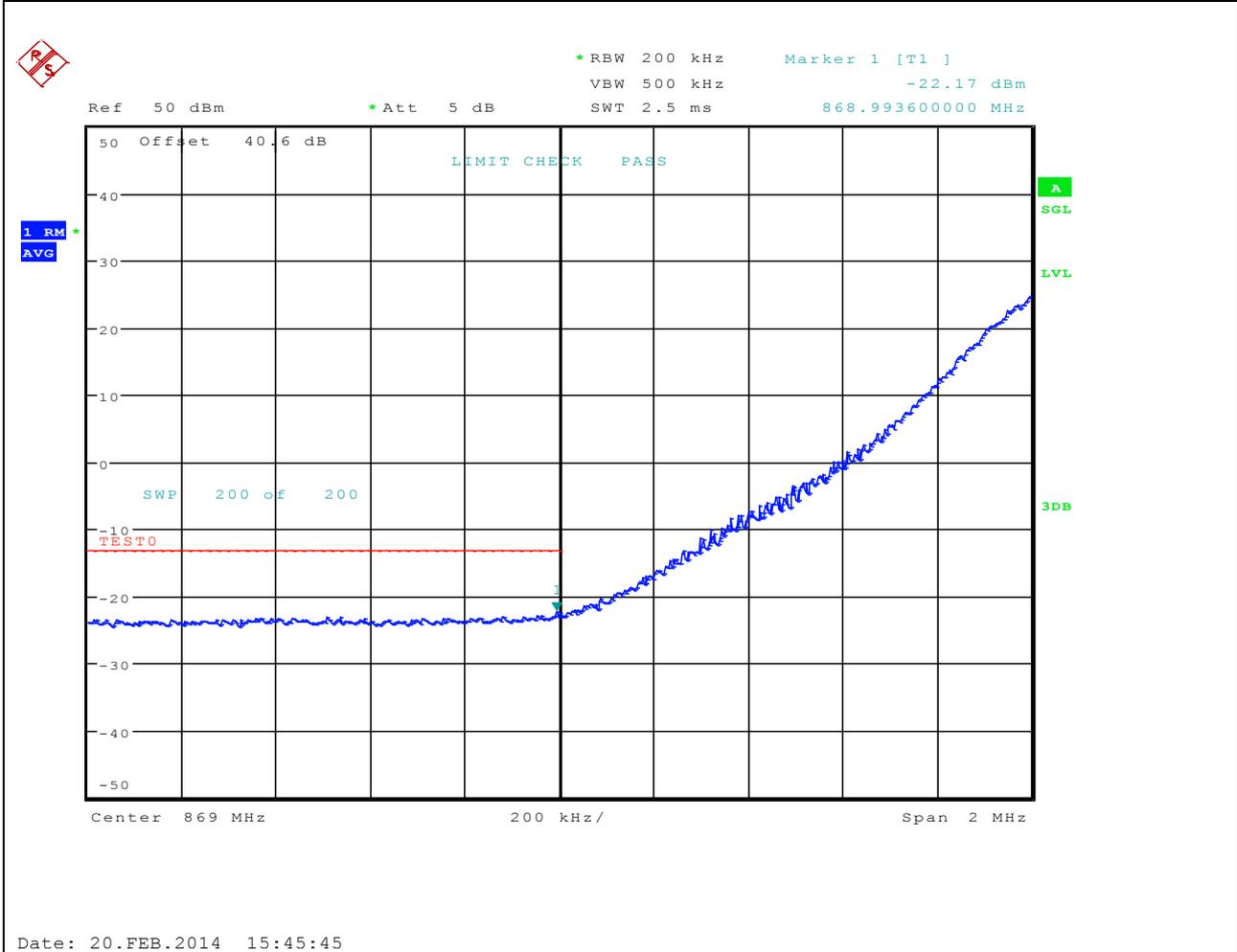
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.02	RMS	Pass	625





2.2.18 1L_20M_60W_B_TM1_TRXB

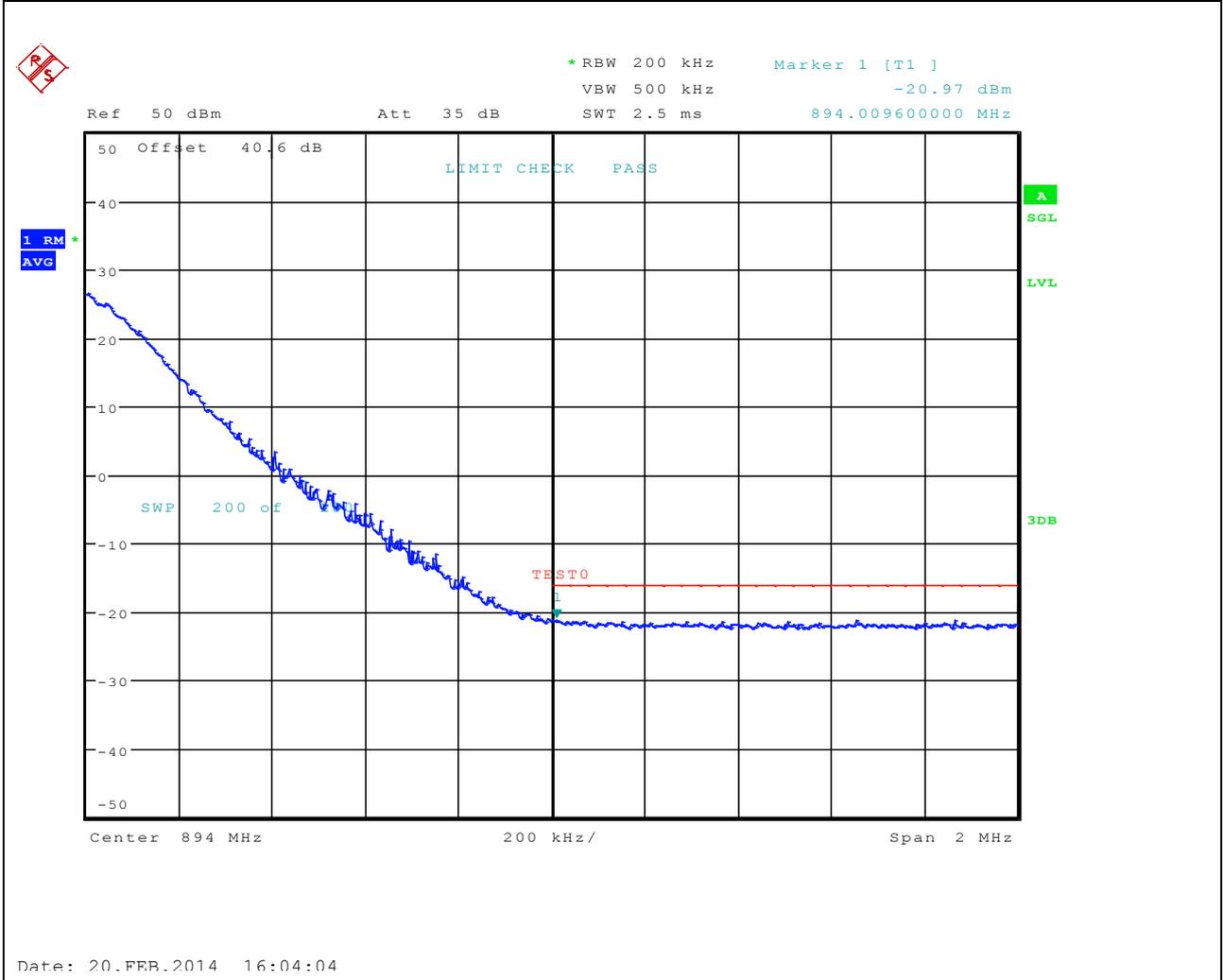
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.2	RMS	Pass	625





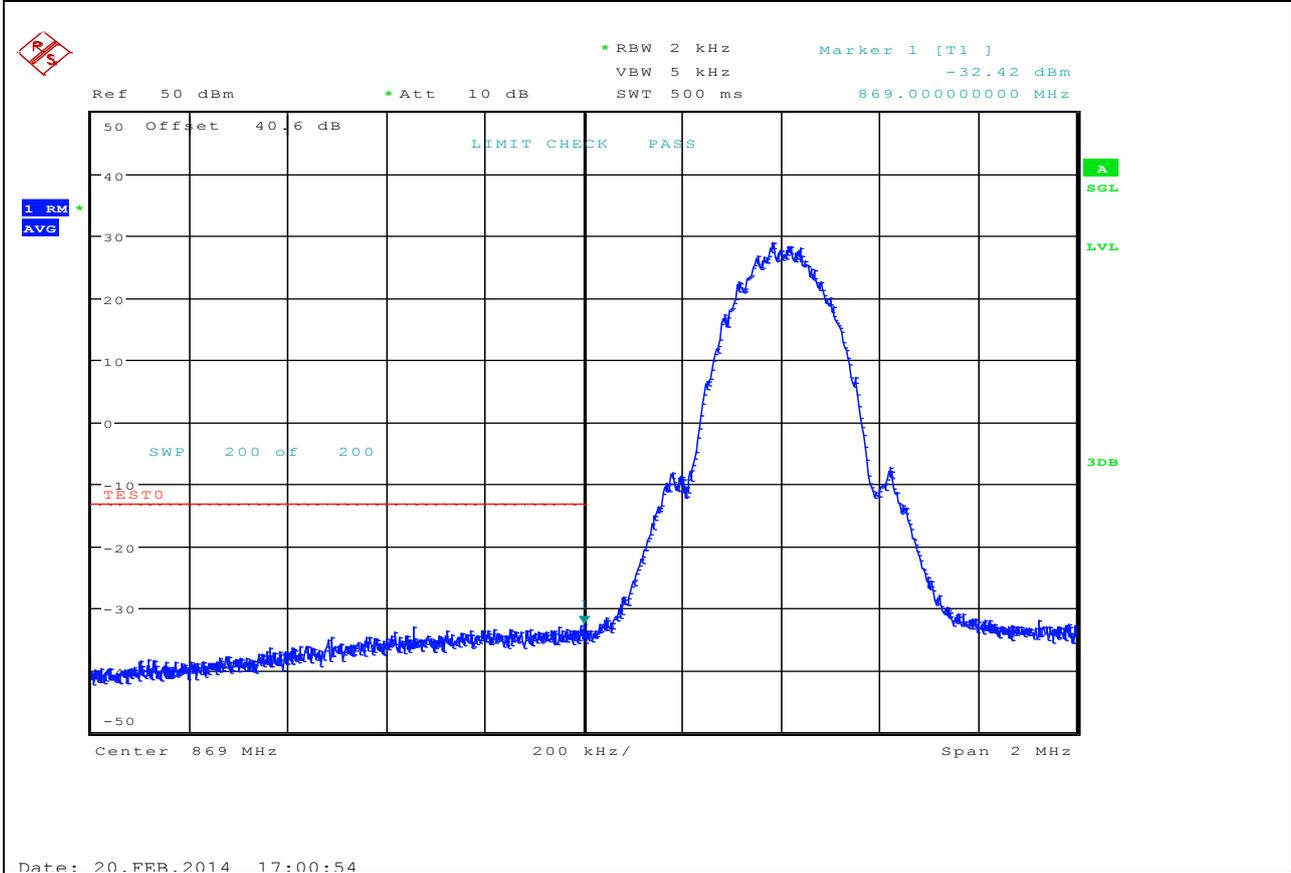
2.2.19 1L_20M_60W_T_TM1_TRXB

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.2	RMS	Pass	625



2.2.20 1G1L_1.4M_60W_B_TM1_TRXA

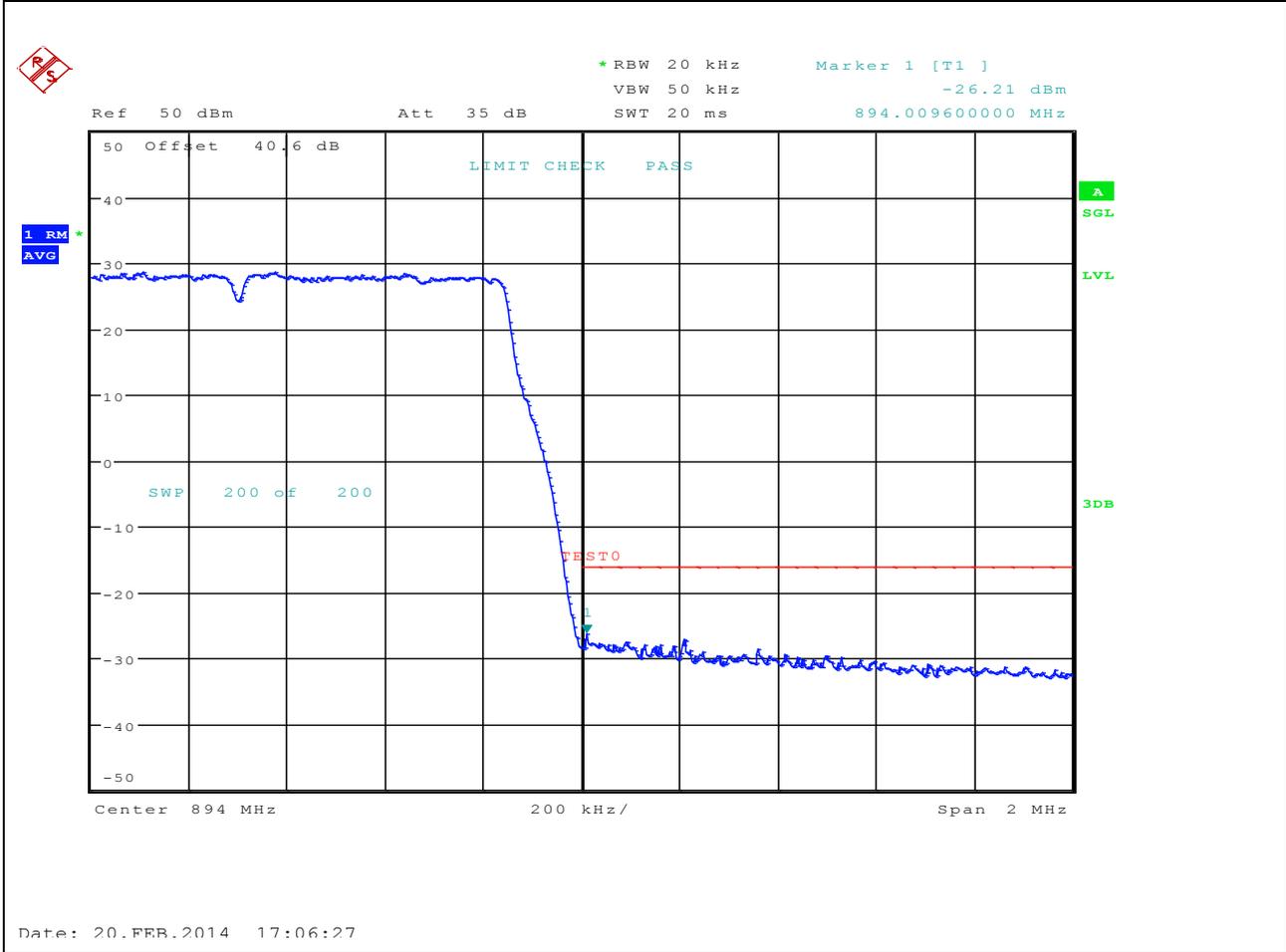
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





2.2.21 1G1L_1.4M_60W_T_TM1_TRXA

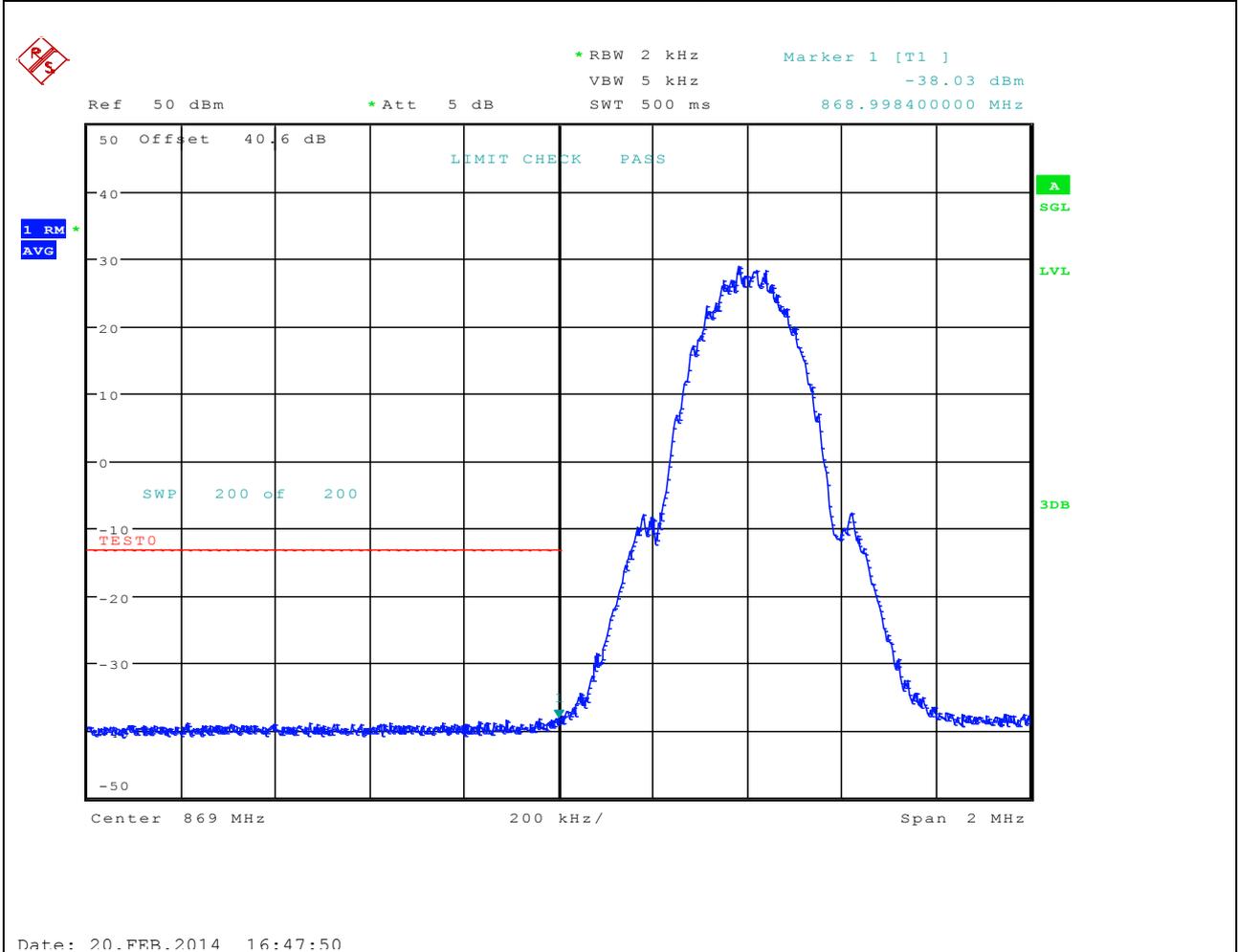
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.02	RMS	Pass	625





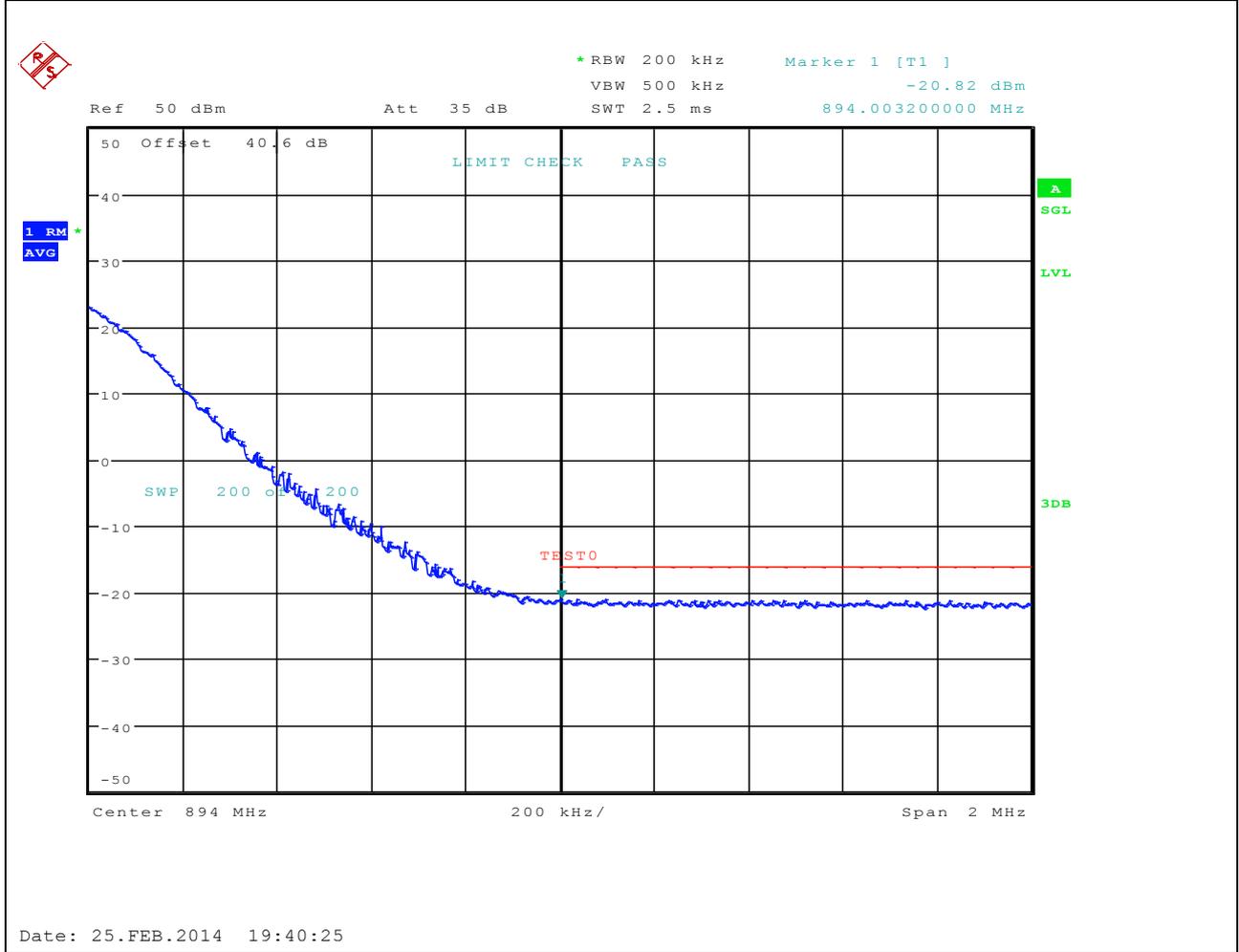
2.2.22 1G1L_20M_60W_B_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





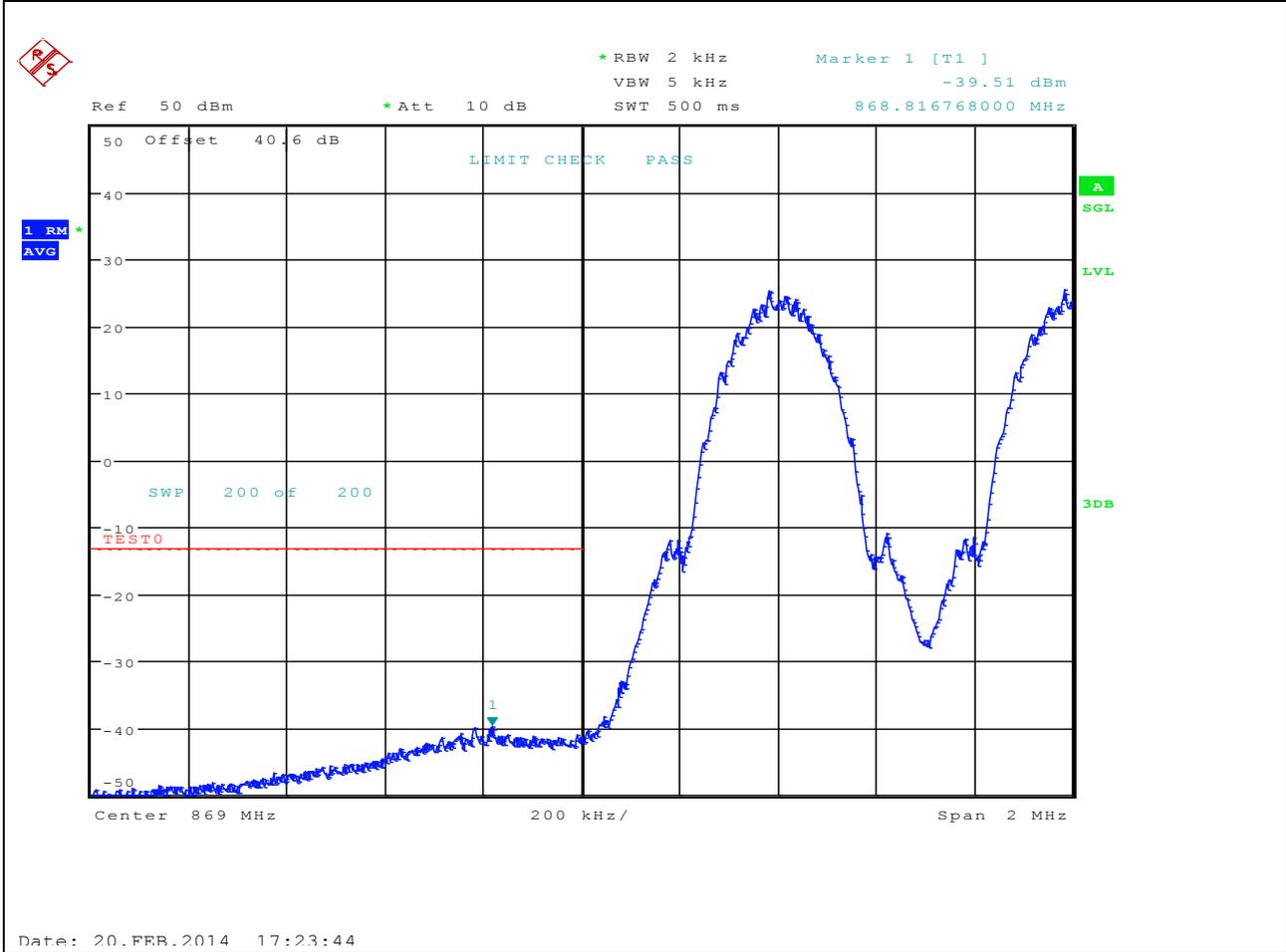
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.2	RMS	Pass	625





2.2.23 3G1L_1.4M_60W_B_TM1_TRXA

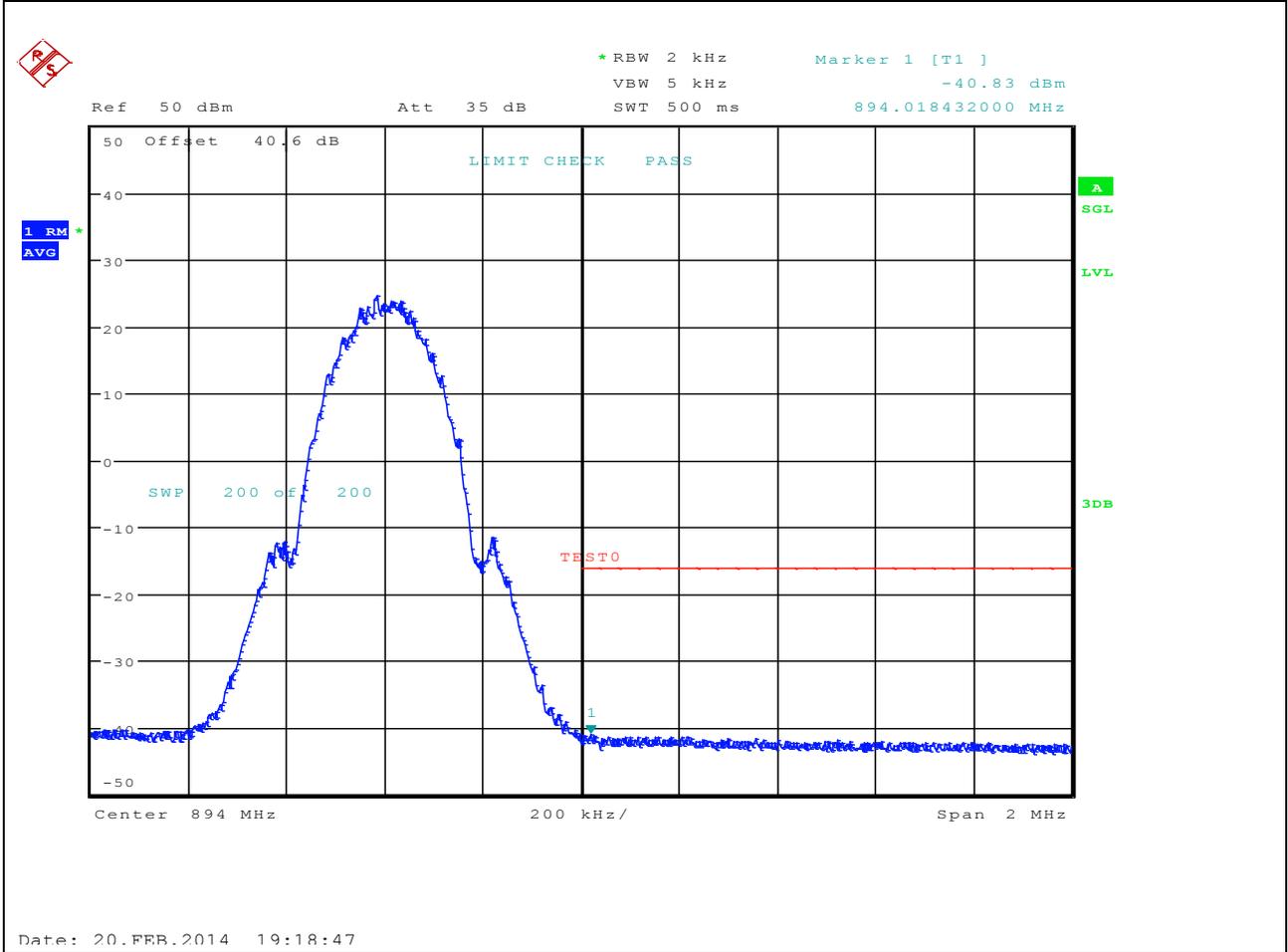
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





2.2.24 3G1L_1.4M_60W_T_TM1_TRXA

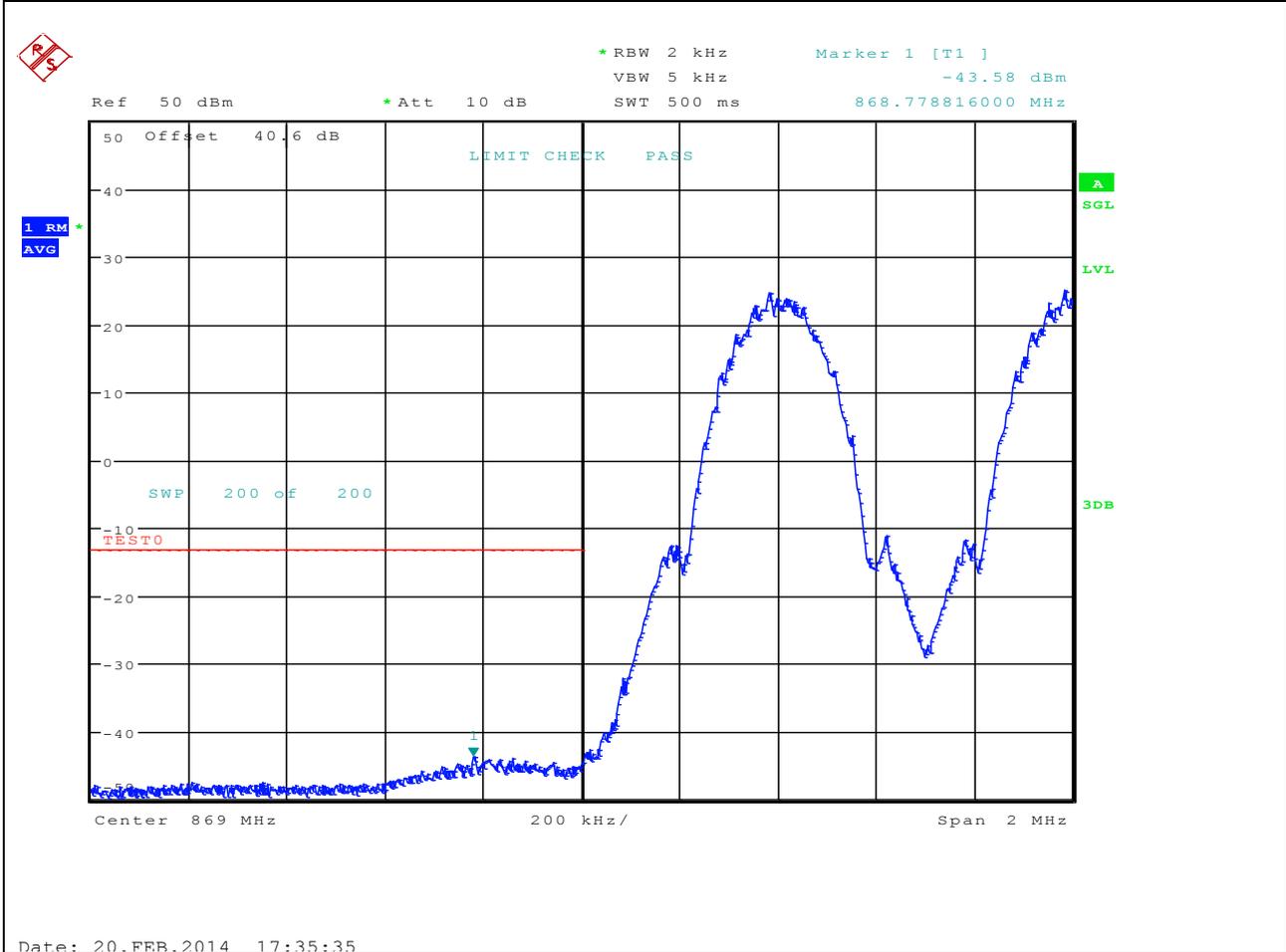
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.002	RMS	Pass	5001





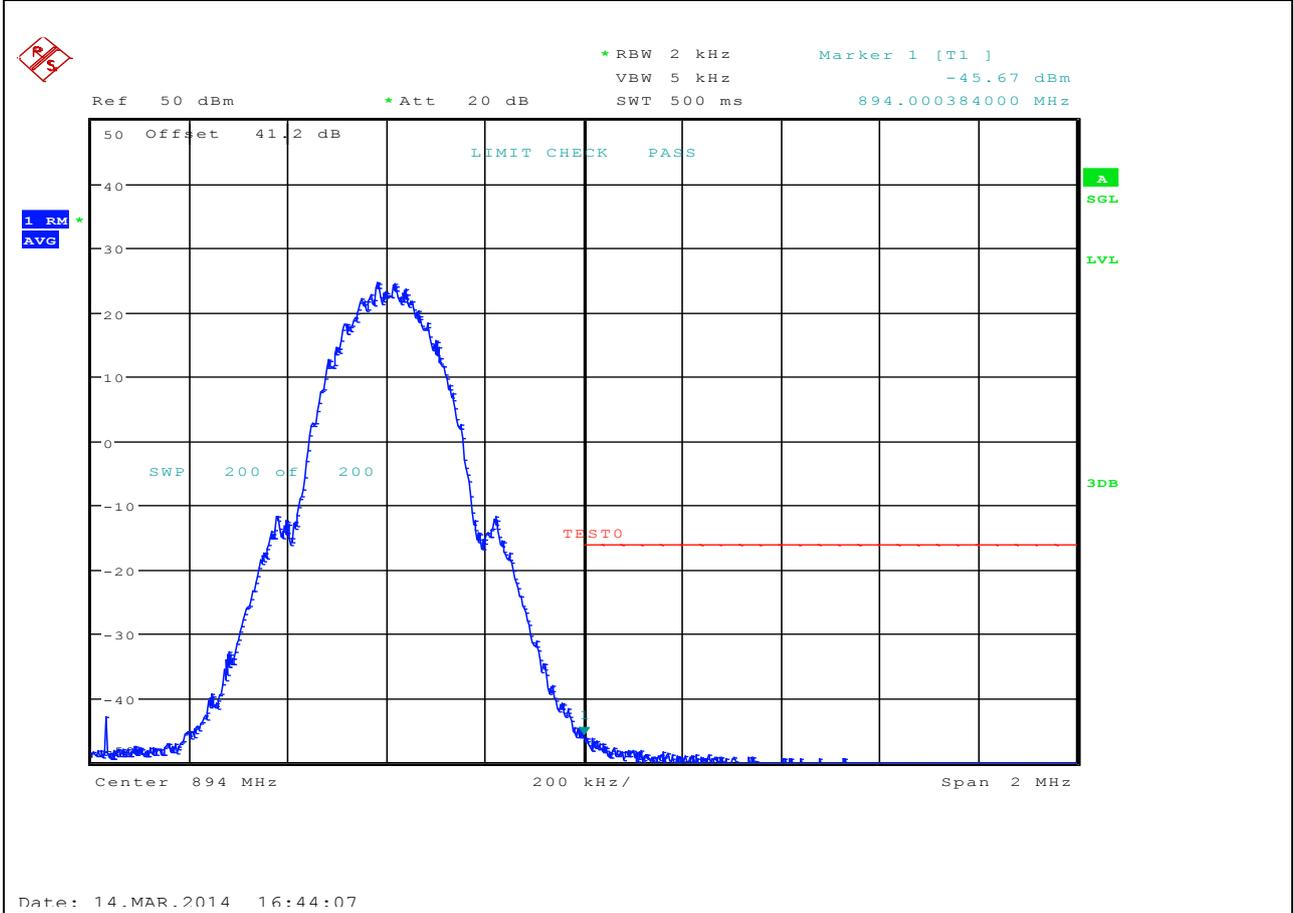
2.2.25 3G1L_20M_60W_B_TM1_TRXA

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
869	2	0.002	RMS	Pass	5001





Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
894	2	0.002	RMS	Pass	5001





Appendix D: Spurious Emission at Antenna Terminals

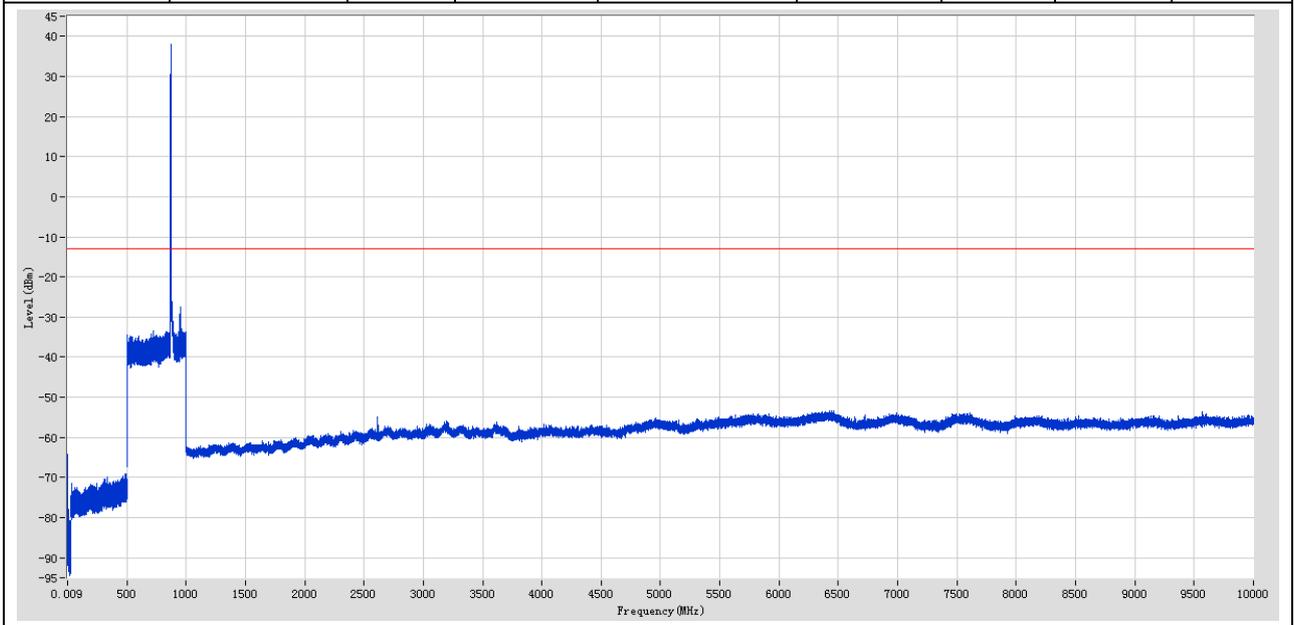
1 Result Table and test plot

Before comparing the results to the limit, $3dB[10 \cdot \log(2)]$ should be added according to method described in the FCC KDB662911 D01 Multiple Transmitter Output V02.

1.1 For test number SYBH(R)00666679

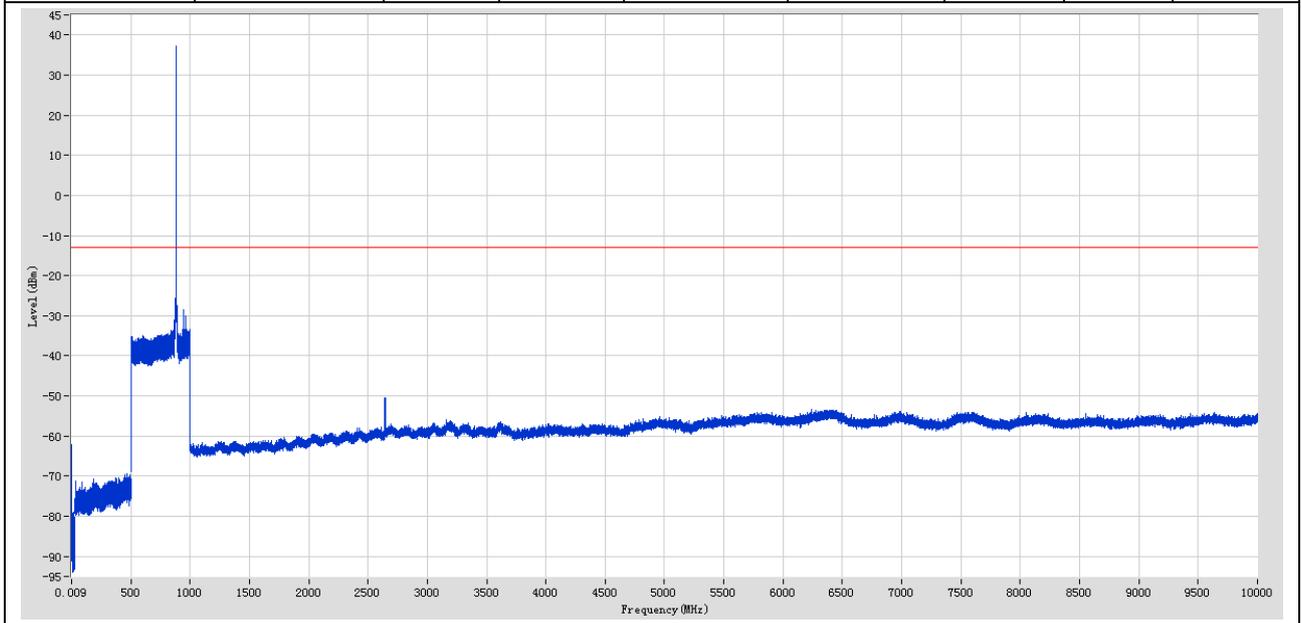
1.1.1 1U_B

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	12.243 k	-64.11	-13	Pass	1001
0.15	30	0.01	RMS	162.001 k	-66.15	-13	Pass	14925
30	500	0.1	RMS	494.639772 M	-69.05	-13	Pass	23500
500	1000	0.1	RMS	870.394816 M	--	-13	NA	25000
1000	10000	1	RMS	1000 M	-34.24	-13	Pass	45000



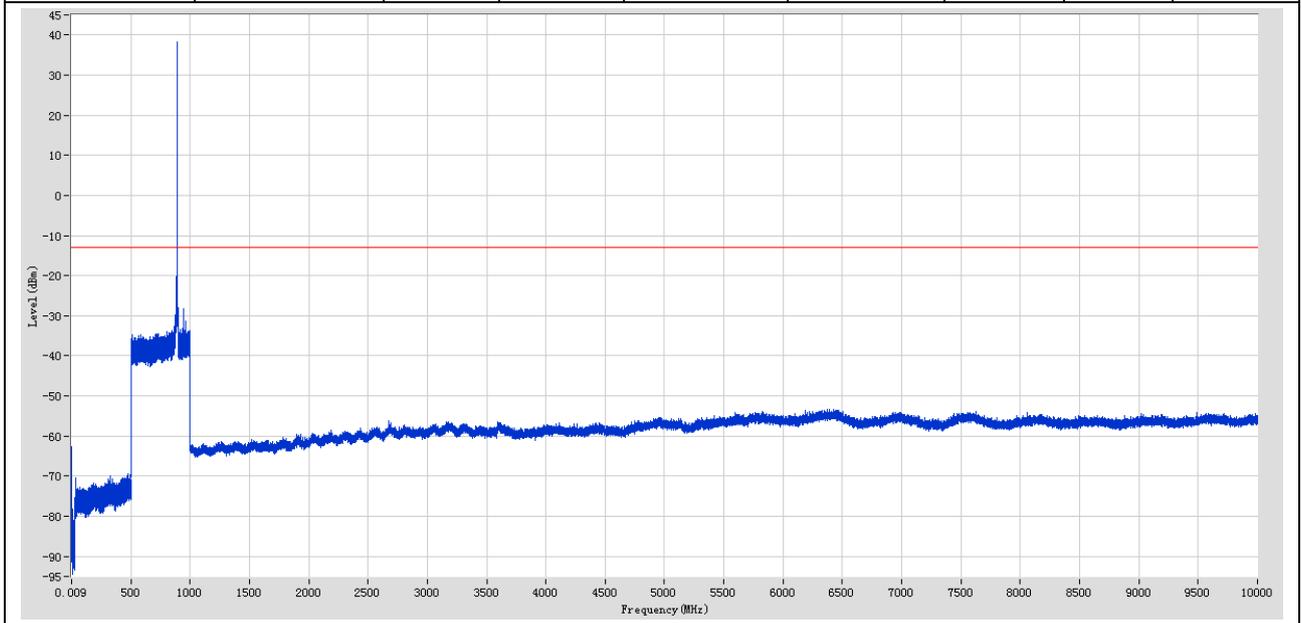
1.1.2 1U_M

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	9.141 k	-62.12	-13	Pass	1001
0.15	30	0.01	RMS	160.001 k	-64.11	-13	Pass	14925
30	500	0.1	RMS	471.4787 M	-69.42	-13	Pass	23500
500	1000	0.1	RMS	879.8351 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.84	-13	Pass	45000



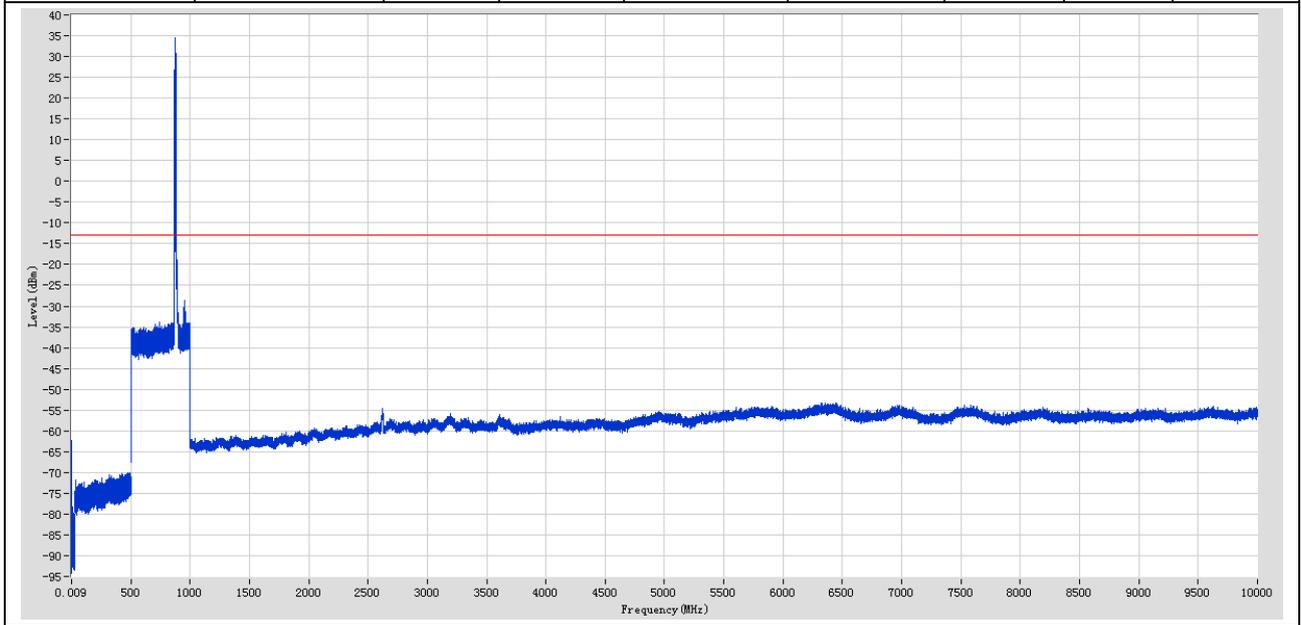
1.1.3 1U_T

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	10.269 k	-62.77	-13	Pass	1001
0.15	30	0.01	RMS	150 k	-65.98	-13	Pass	14925
30	500	0.1	RMS	478.2590 M	-69.39	-13	Pass	23500
500	1000	0.1	RMS	890.6756 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-33.62	-13	Pass	45000



1.1.4 2U_B

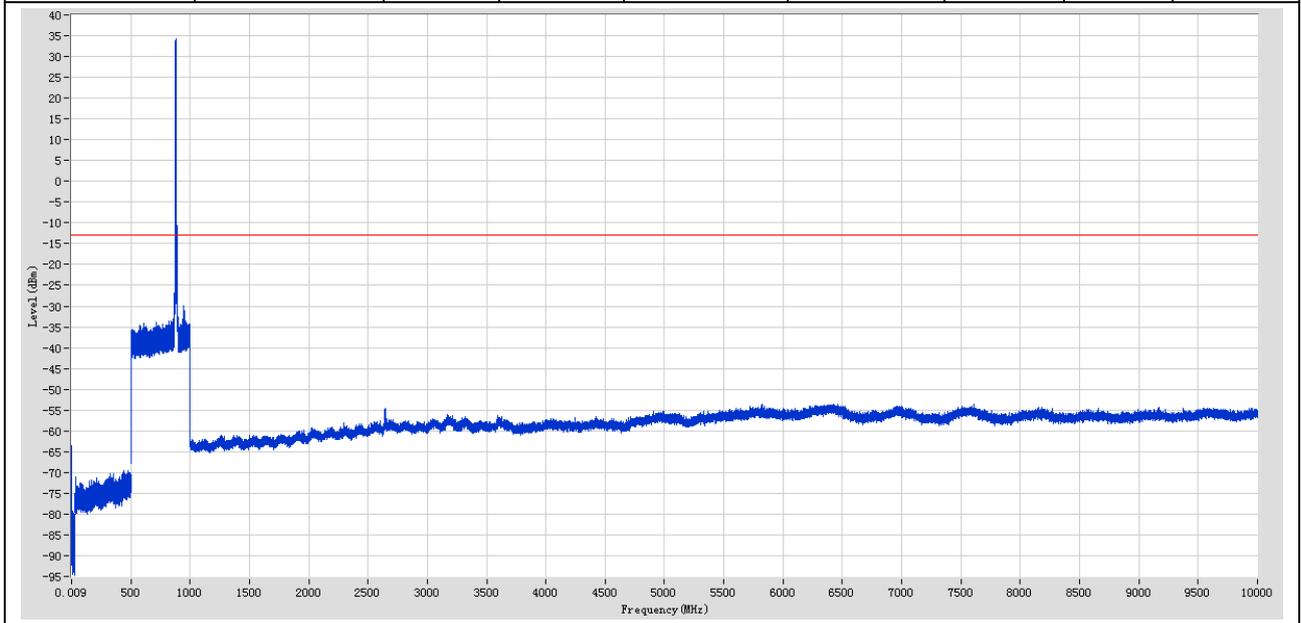
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.141 k	-62.33	-13	Pass	1001
0.15	30	0.01	RMS	168.001 k	-64.97	-13	Pass	14925
30	500	0.1	RMS	495.2998 M	-70.05	-13	Pass	23500
500	1000	0.1	RMS	870.4748 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-35	-13	Pass	45000





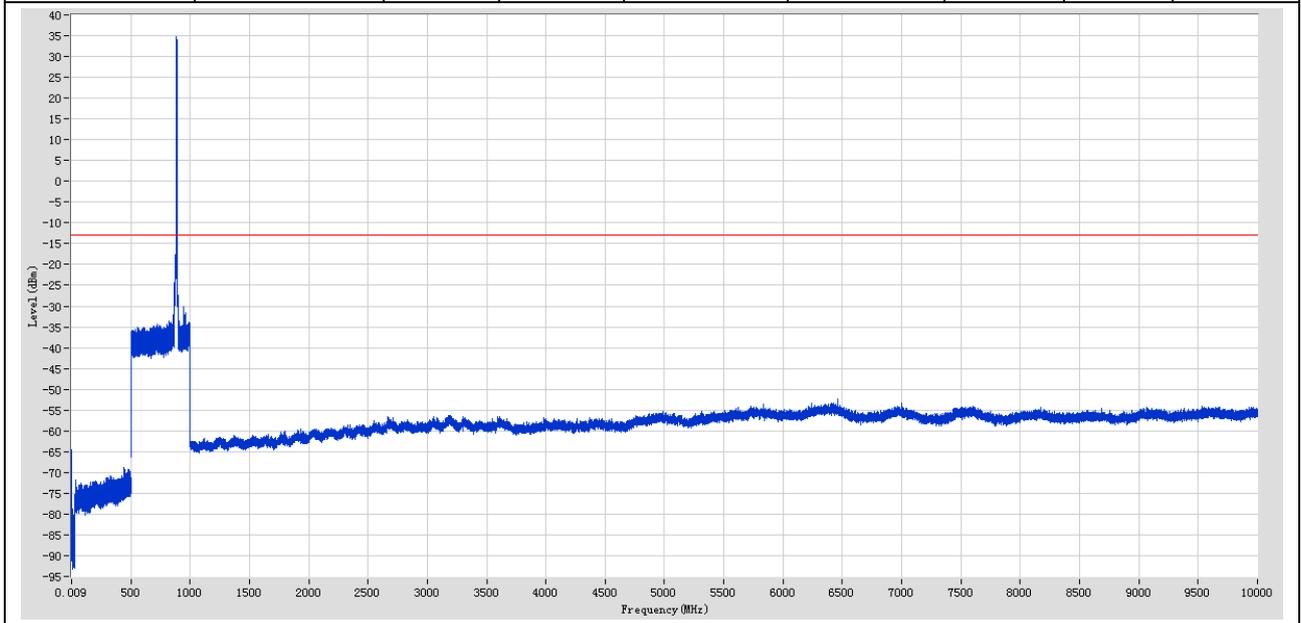
1.1.5 2U_M

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	11.256 k	-63.45	-13	Pass	1001
0.15	30	0.01	RMS	154 k	-64.78	-13	Pass	14925
30	500	0.1	RMS	438.8173 M	-69.53	-13	Pass	23500
500	1000	0.1	RMS	884.2153 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.33	-13	Pass	45000



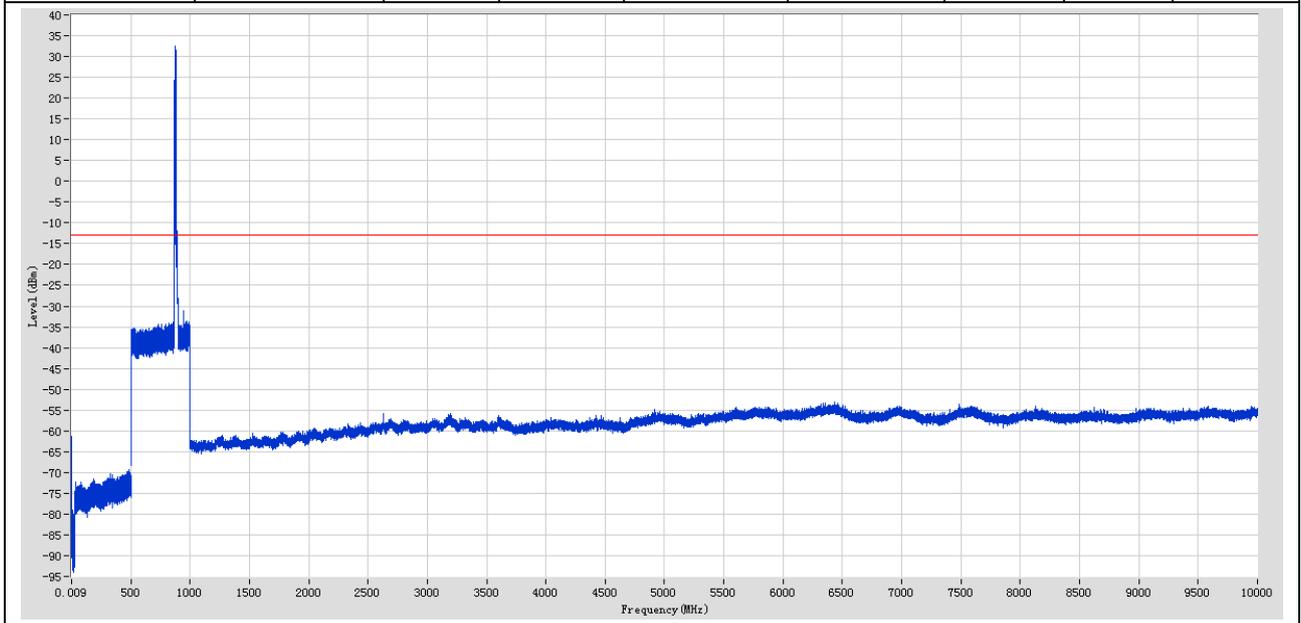
1.1.6 2U_T

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	10.269 k	-64.56	-13	Pass	1001
0.15	30	0.01	RMS	150 k	-65.09	-13	Pass	14925
30	500	0.1	RMS	443.5175 M	-68.82	-13	Pass	23500
500	1000	0.1	RMS	886.9154 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.74	-13	Pass	45000



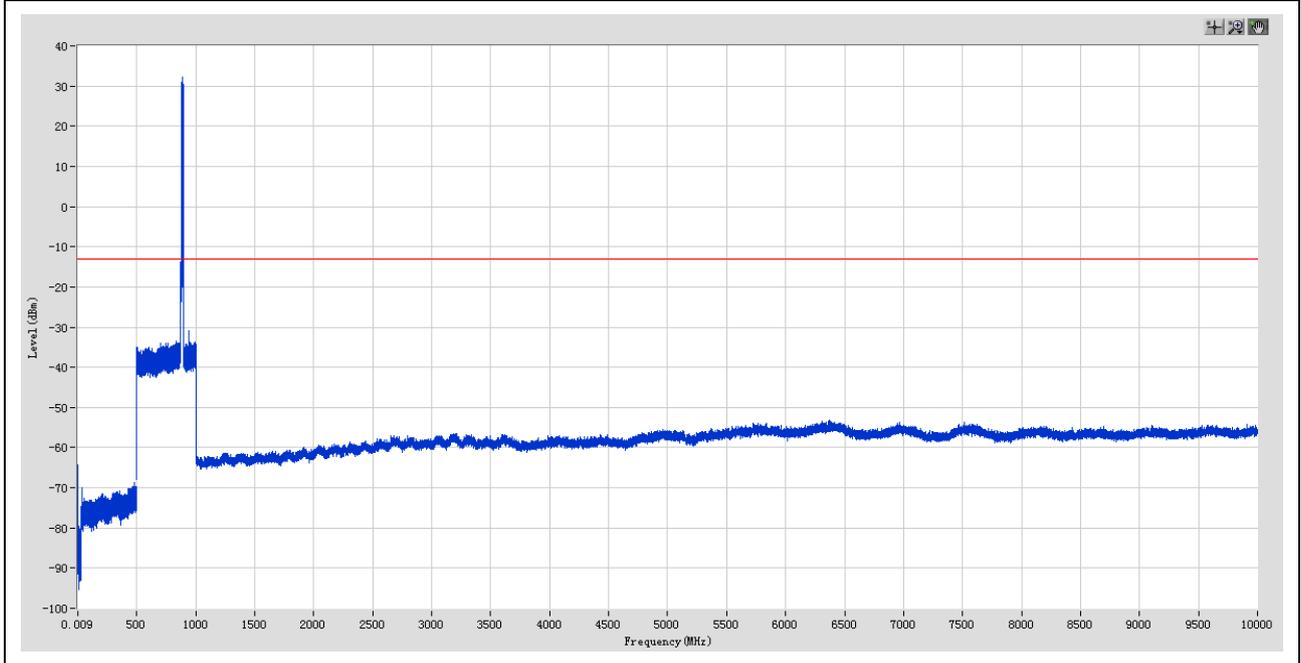
1.1.7 3U_B

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	9.282 k	-61.27	-13	Pass	1001
0.15	30	0.01	RMS	152 k	-65.45	-13	Pass	14925
30	500	0.1	RMS	486.6994 M	-69.26	-13	Pass	23500
500	1000	0.1	RMS	871.7148 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.52	-13	Pass	45000



1.1.8 3U_T

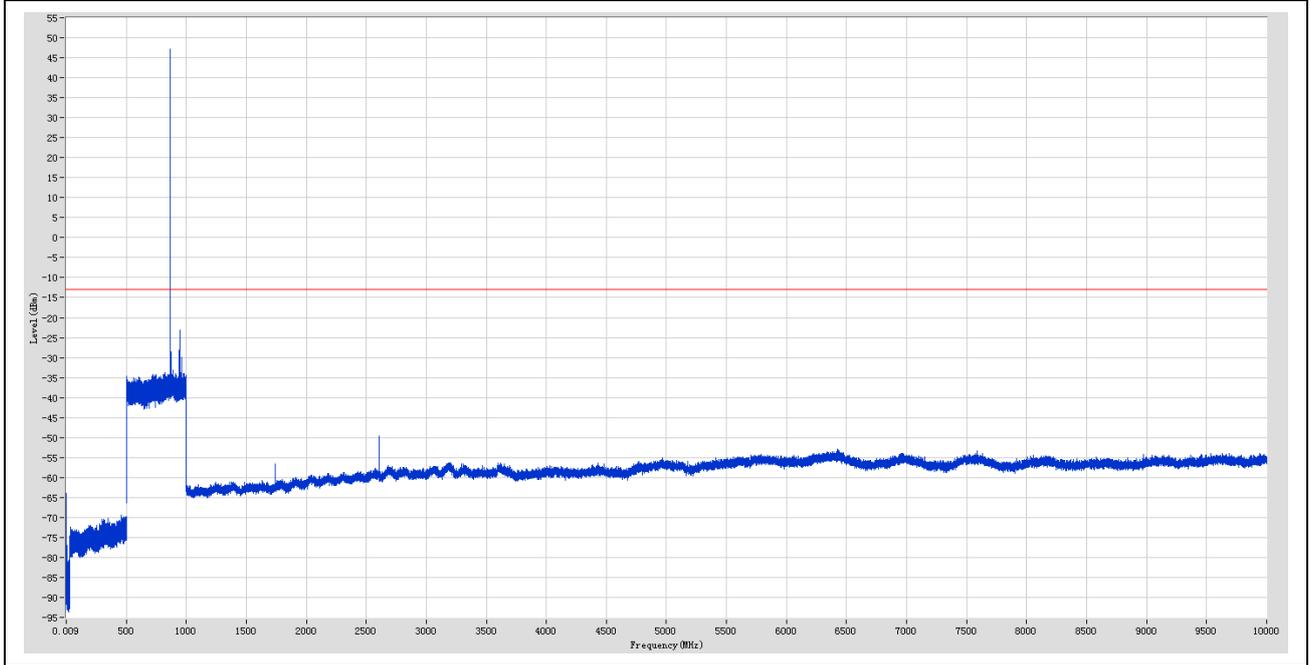
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	11.115 k	-64.3	-13	Pass	1001
0.15	30	0.01	RMS	150 k	-66.46	-13	Pass	14925
30	500	0.1	RMS	482.6592 M	-68.62	-13	Pass	23500
500	1000	0.1	RMS	882.8953 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.24	-13	Pass	45000





1.1.9 1G_GMSK_B

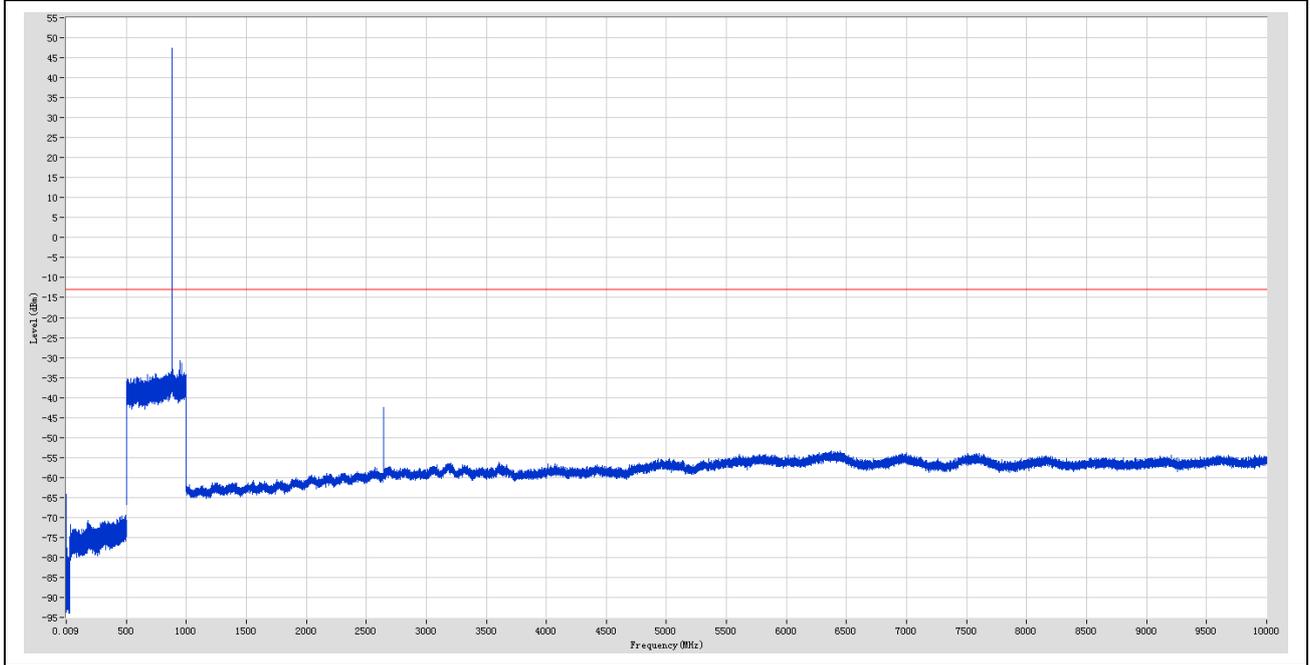
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.846 k	-63.99	-13	Pass	1001
0.15	30	0.01	RMS	170.001 k	-65.11	-13	Pass	14925
30	500	0.1	RMS	458.4182 M	-69.35	-13	Pass	23500
500	1000	0.1	RMS	869.4147 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.63	-13	Pass	45000





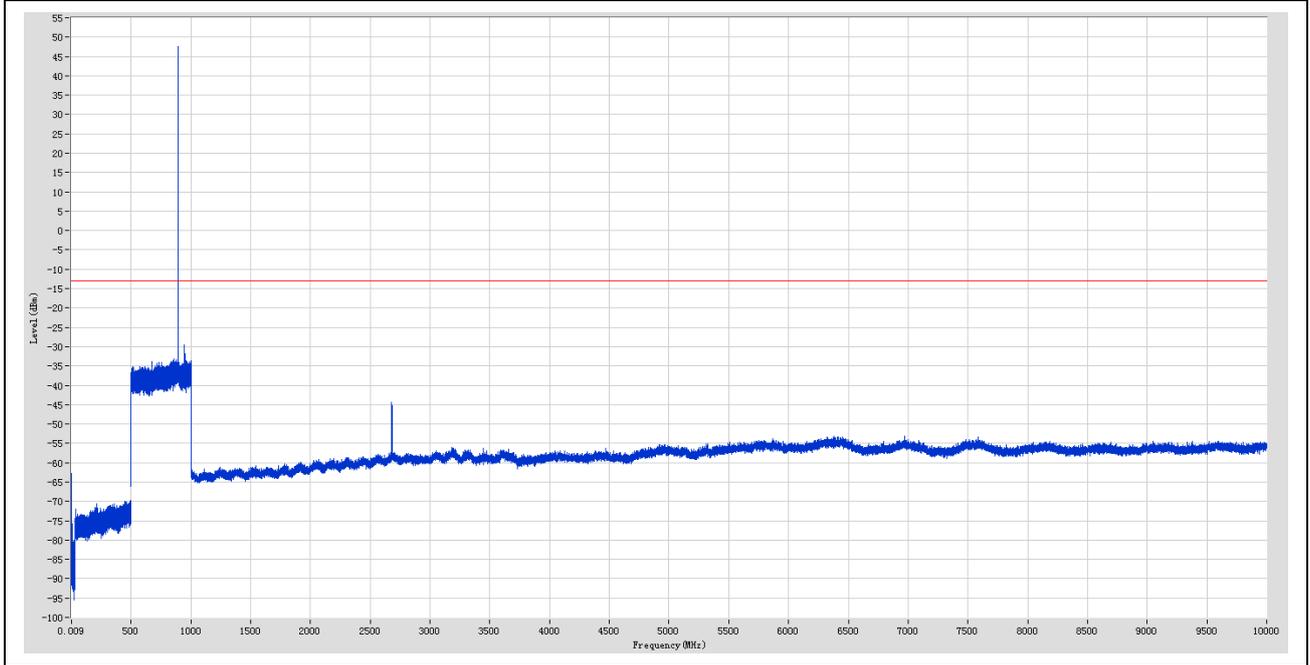
1.1.10 1G_GMSK_M

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	10.833 k	-64.78	-13	Pass	1001
0.15	30	0.01	RMS	152 k	-64.27	-13	Pass	14925
30	500	0.1	RMS	495.6198 M	-69.42	-13	Pass	23500
500	1000	0.1	RMS	881.3552 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.67	-13	Pass	45000



1.1.11 1G_GMSK_T

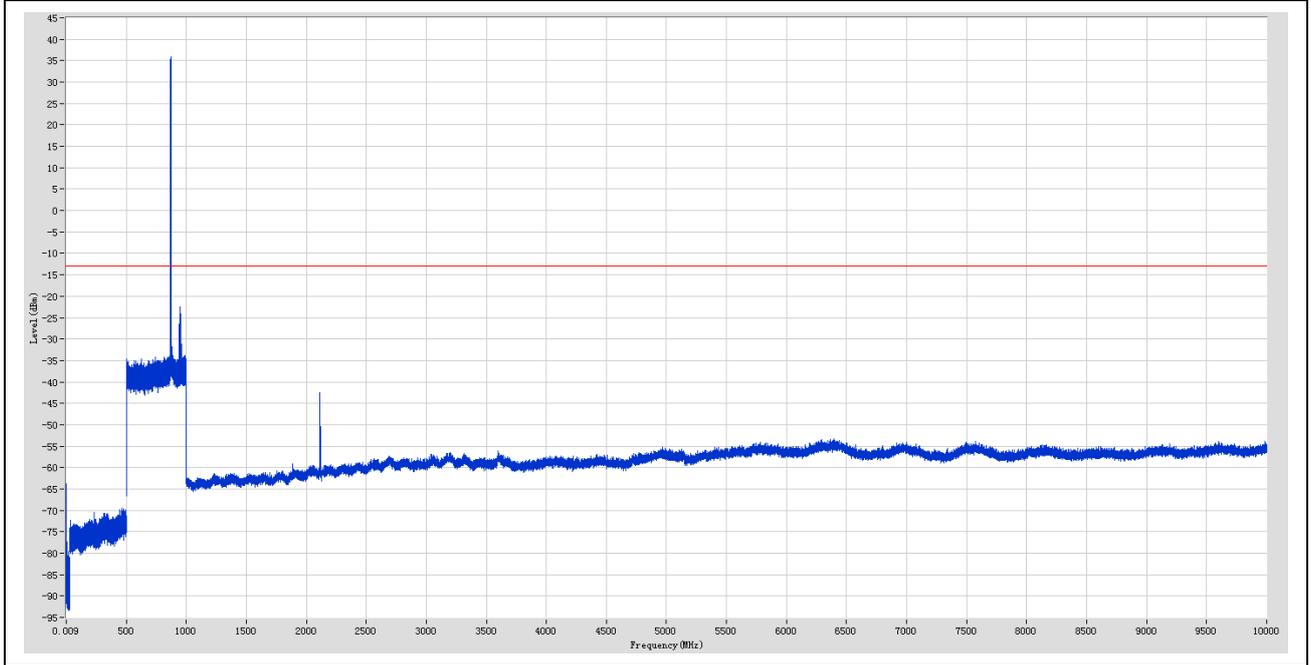
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-62.68	-13	Pass	1001
0.15	30	0.01	RMS	150 k	-65.1	-13	Pass	14925
30	500	0.1	RMS	499.6599 M	-69.66	-13	Pass	23500
500	1000	0.1	RMS	893.5557 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-33.56	-13	Pass	45000





1.1.12 8G_GMSK_B

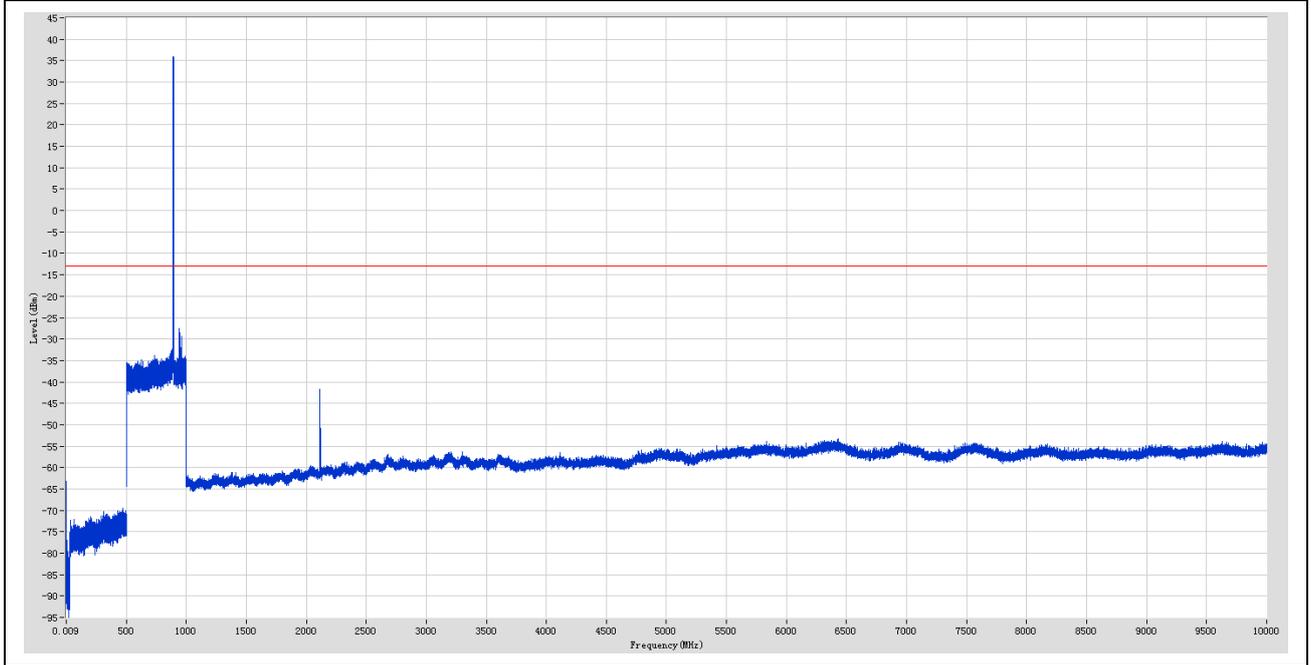
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.564 k	-63.79	-13	Pass	1001
0.15	30	0.01	RMS	168.001 k	-64.55	-13	Pass	14925
30	500	0.1	RMS	466.2585 M	-69.42	-13	Pass	23500
500	1000	0.1	RMS	871.1748 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.65	-13	Pass	45000





1.1.13 8G_GMSK_T

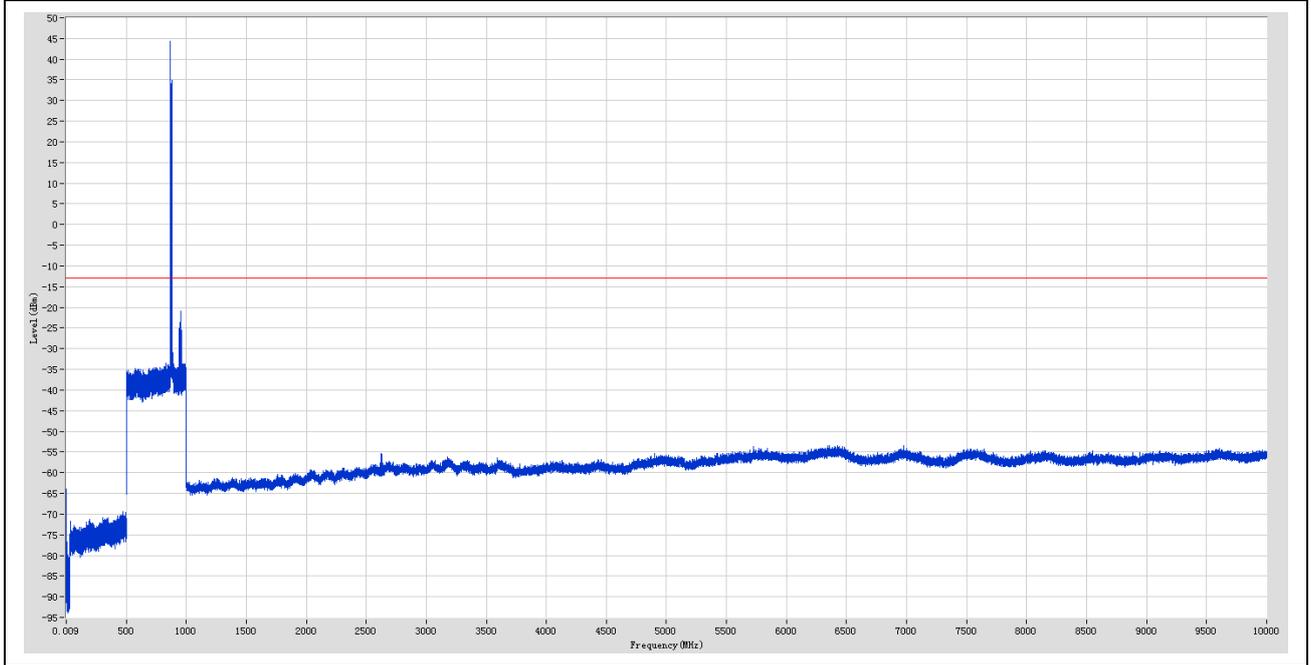
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.423 k	-63.16	-13	Pass	1001
0.15	30	0.01	RMS	170.001 k	-65.33	-13	Pass	14925
30	500	0.1	RMS	474.7589 M	-69.38	-13	Pass	23500
500	1000	0.1	RMS	889.3955 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.69	-13	Pass	45000





1.1.14 1G1U_B

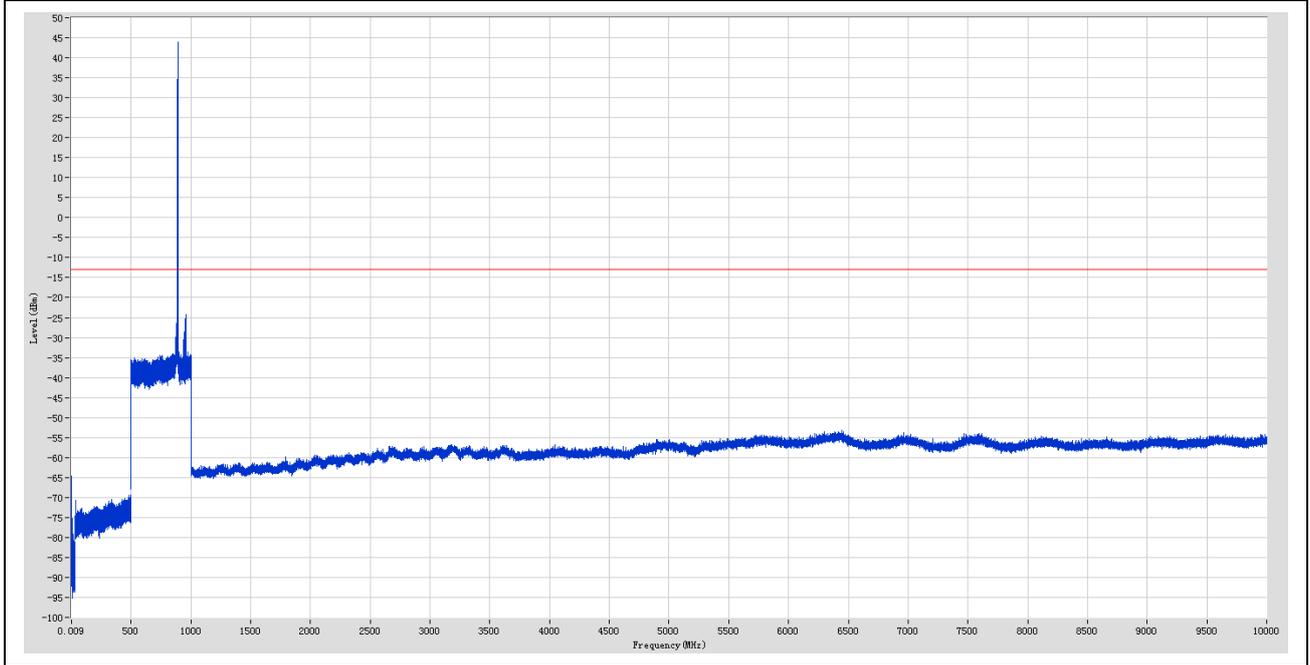
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.128 k	-64.04	-13	Pass	1001
0.15	30	0.01	RMS	166.001 k	-65.56	-13	Pass	14925
30	500	0.1	RMS	475.6383 M	-69.45	-13	Pass	23500
500	1000	0.1	RMS	869.3946 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.94	-13	Pass	45000





1.1.15 1G1U_T

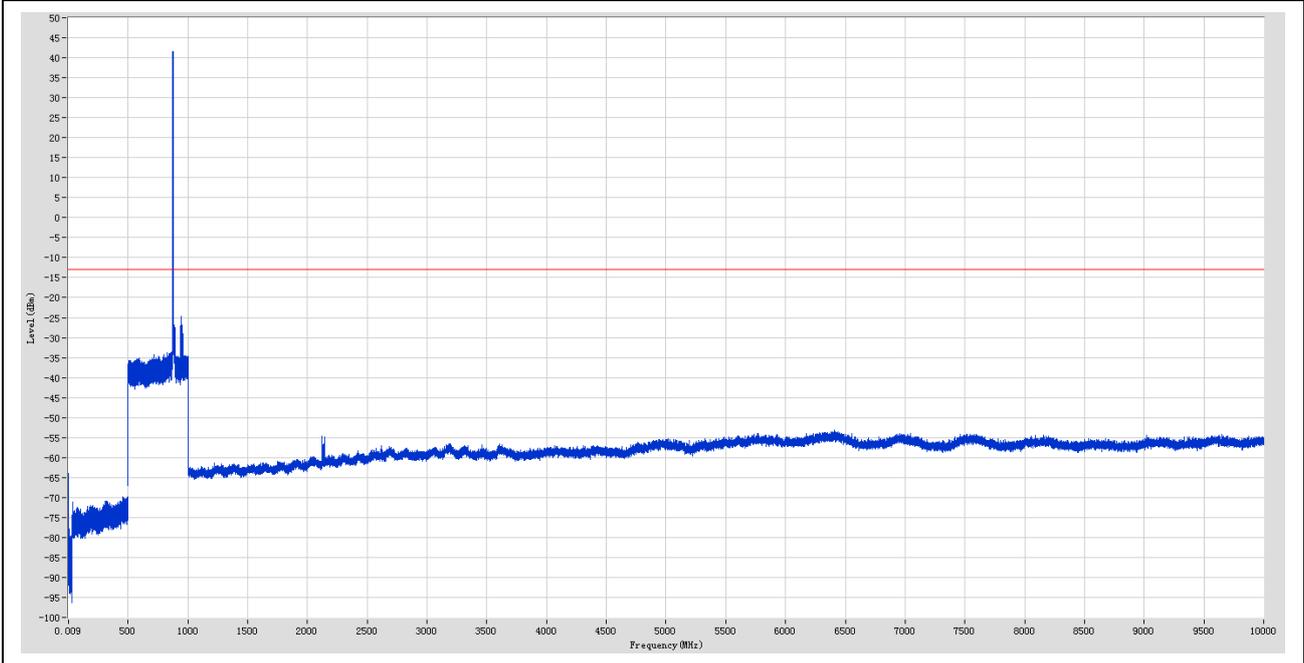
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.846 k	-64.76	-13	Pass	1001
0.15	30	0.01	RMS	166.001 k	-64.62	-13	Pass	14925
30	500	0.1	RMS	495.1197 M	-69.31	-13	Pass	23500
500	1000	0.1	RMS	893.6357 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.44	-13	Pass	45000





1.1.16 3G1U_B

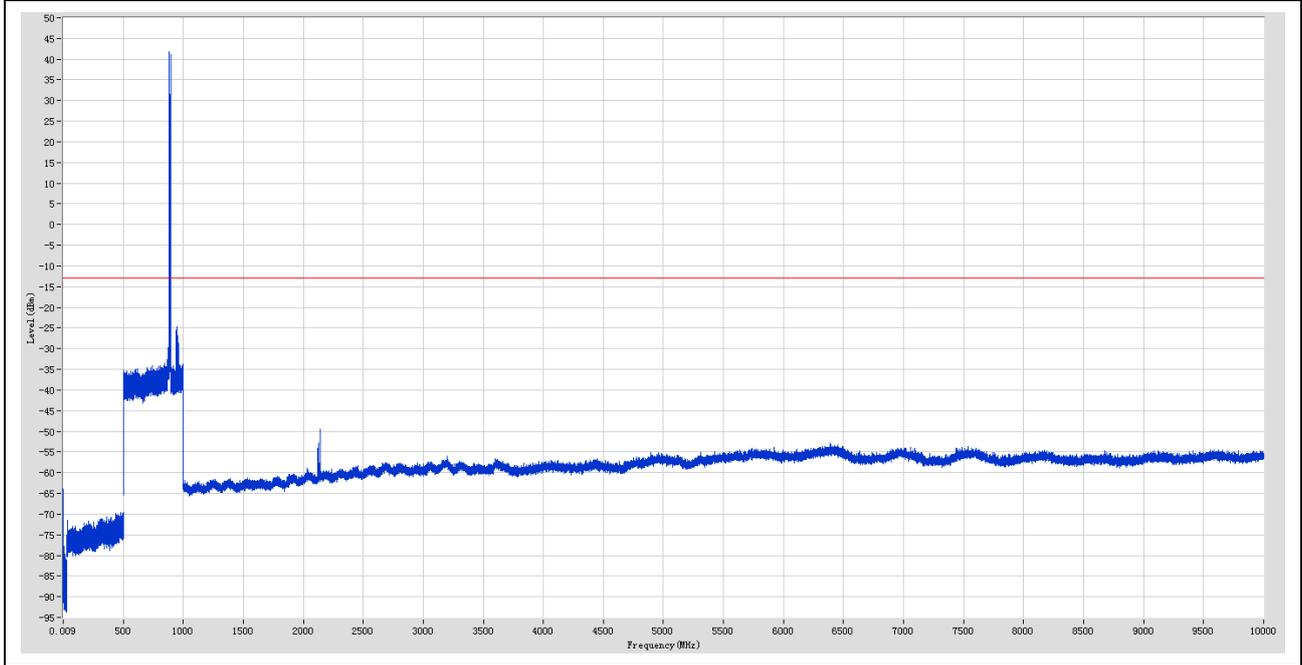
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.846 k	-63.86	-13	Pass	1001
0.15	30	0.01	RMS	152 k	-65.16	-13	Pass	14925
30	500	0.1	RMS	494.53976M	-69.74	-13	Pass	23500
500	1000	0.1	RMS	881.0152 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-34.61	-13	Pass	45000





1.1.17 3G1U_T

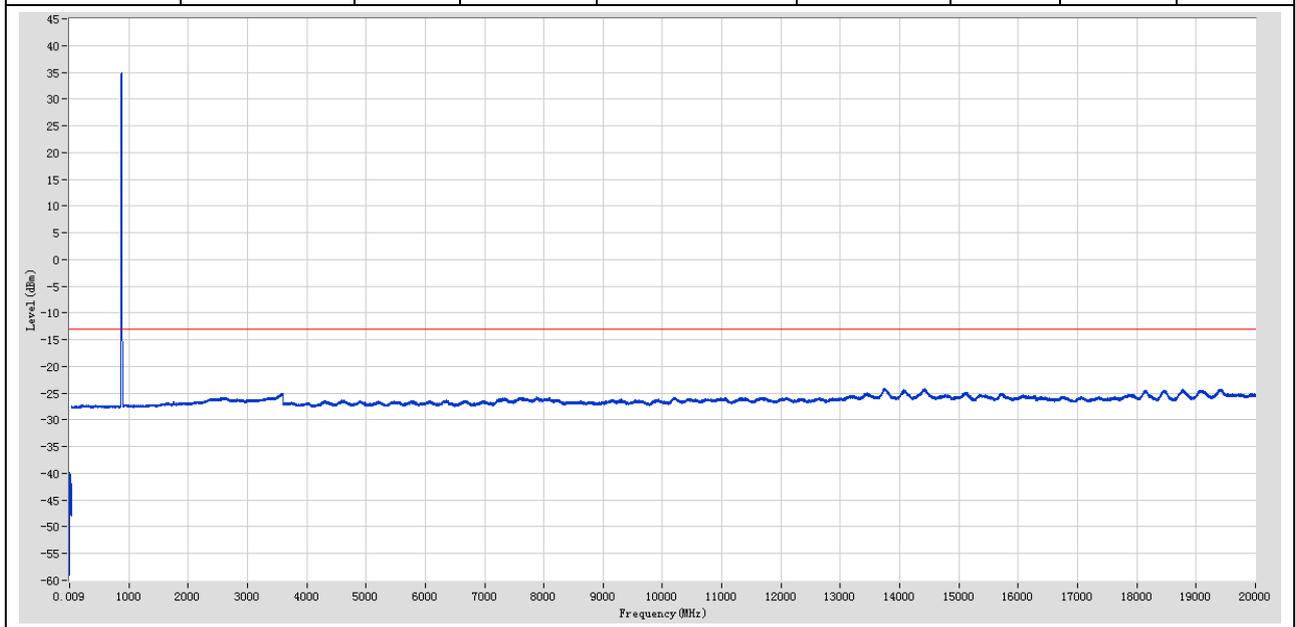
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	14.499 k	-63.86	-13	Pass	1001
0.15	30	0.01	RMS	152 k	-65.84	-13	Pass	14925
30	500	0.1	RMS	482.839 M	-69.61	-13	Pass	23500
500	1000	0.1	RMS	881.955 M	--	-13	Pass	25000
1000	10000	1	RMS	1000 M	-35.14	-13	Pass	45000



1.2 For test number SYBH(R)01271108

1.2.1 1L_20M_60W_B_TM1_TRXB

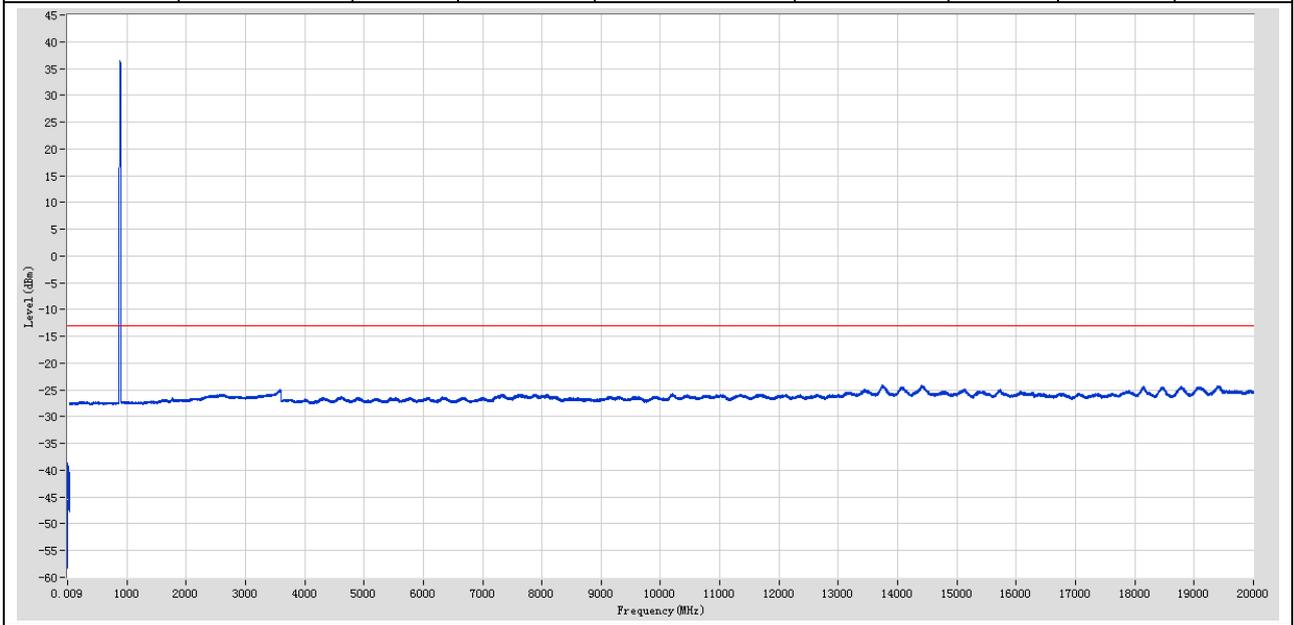
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	66.634 k	-44.45	-13	Pass	801
0.15	30	0.01	RMS	6.73491 M	-39.87	-13	Pass	15001
30	4000	1	RMS	881.255779 M	--	-13	Pass	19901
4000	10000	1	RMS	7879.2 M	-25.73	-13	Pass	30001
10000	20000	1	RMS	13748.52494 M	-24.05	-13	Pass	50002





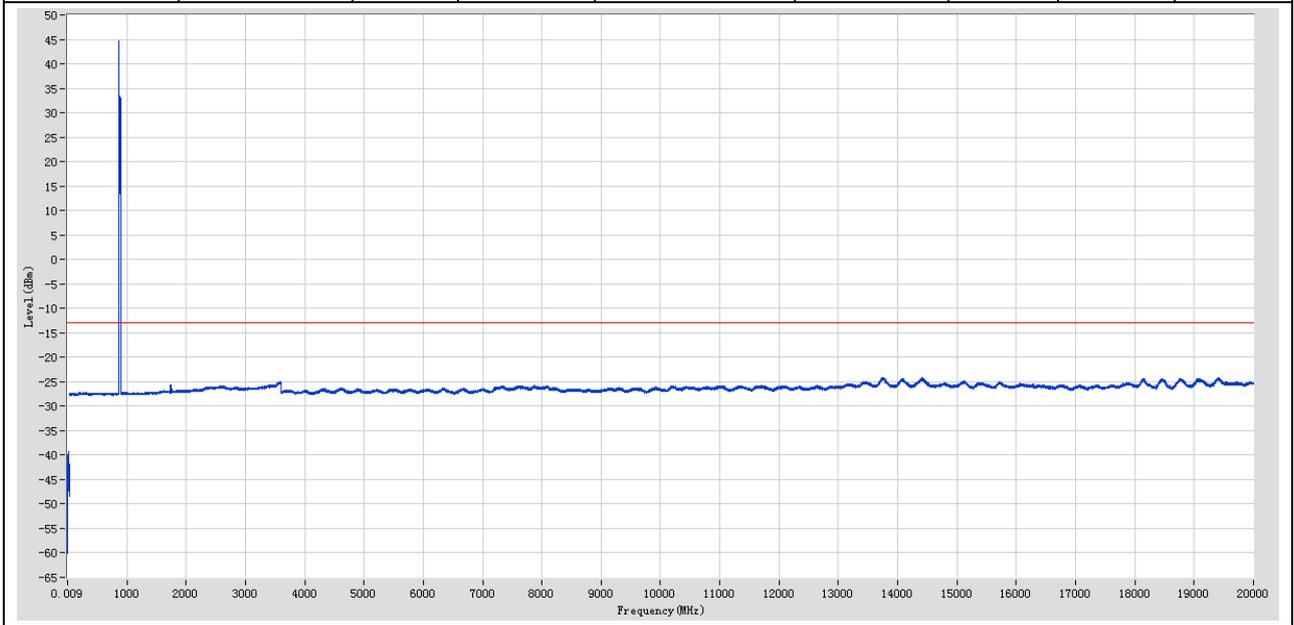
1.2.2 1L_20M_60W_B_TM1_TRXB

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	66.81 k	-45.73	-13	Pass	801
0.15	30	0.01	RMS	7.14286 M	-38.71	-13	Pass	15001
30	4000	1	RMS	886.442714 M	--	-13	Pass	19901
4000	10000	1	RMS	7618.6 M	-25.77	-13	Pass	30001
10000	20000	1	RMS	13757.12523 M	-24.17	-13	Pass	50002



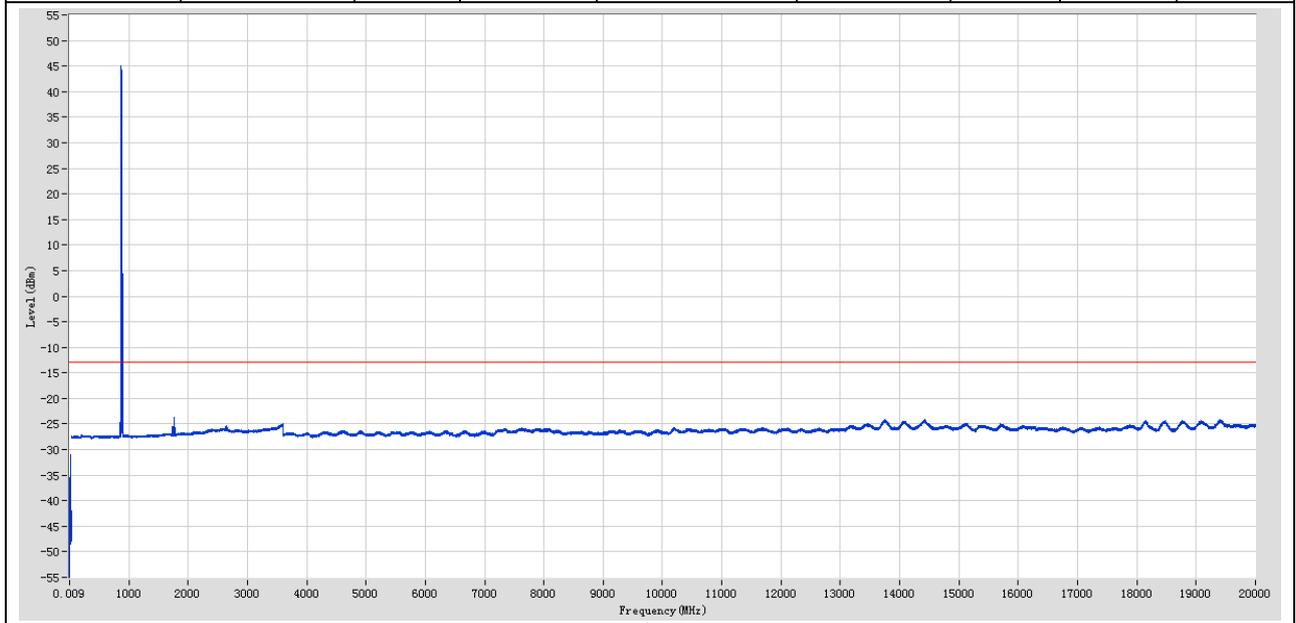
1.2.3 1G1L_20M_60W_B_TM1_TRXA

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	66.281 k	-44.9	-13	Pass	801
0.15	30	0.01	RMS	10.81242 M	-39.18	-13	Pass	15001
30	4000	1	RMS	869.28593 M	--	-13	Pass	19901
4000	10000	1	RMS	7872.6 M	-25.78	-13	Pass	30001
10000	20000	1	RMS	13749.32497 M	-24.15	-13	Pass	50002



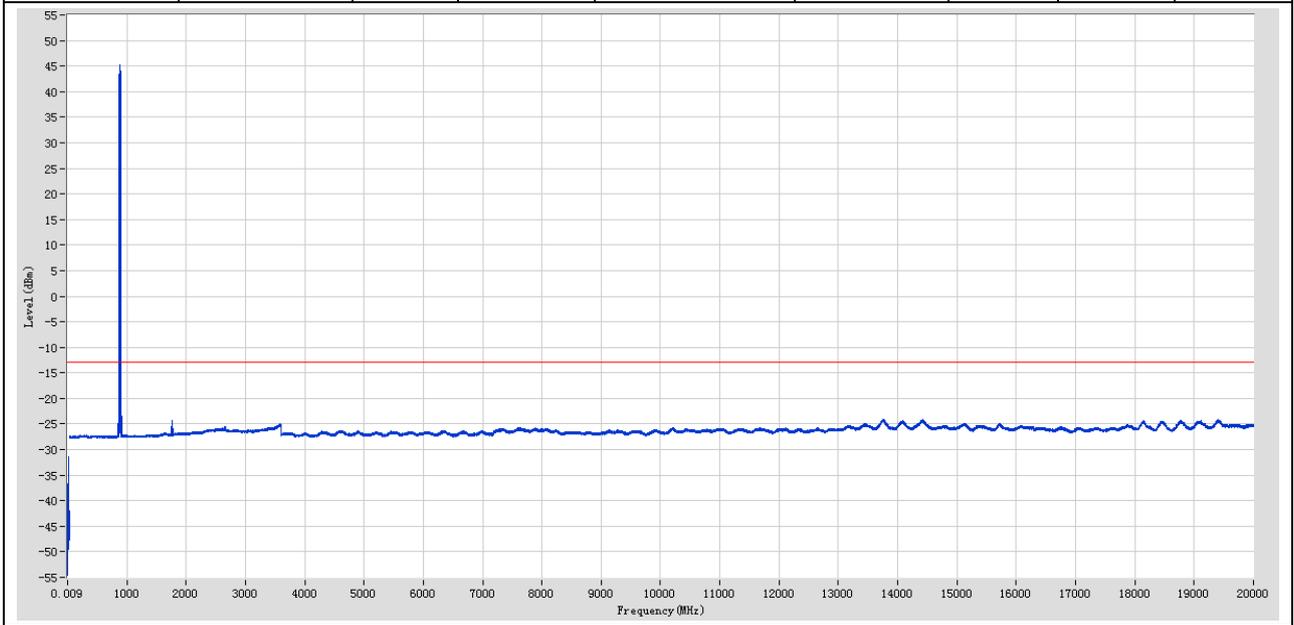
1.2.4 1G1L_1.4M_60W_B_TM1_TRXA

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	11.82 k	-43.08	-13	Pass	801
0.15	30	0.01	RMS	19.14256 M	-30.98	-13	Pass	15001
30	4000	1	RMS	869.28593 M	--	-13	Pass	19901
4000	10000	1	RMS	7620.4 M	-25.8	-13	Pass	30001
10000	20000	1	RMS	13755.32517 M	-24.05	-13	Pass	50002



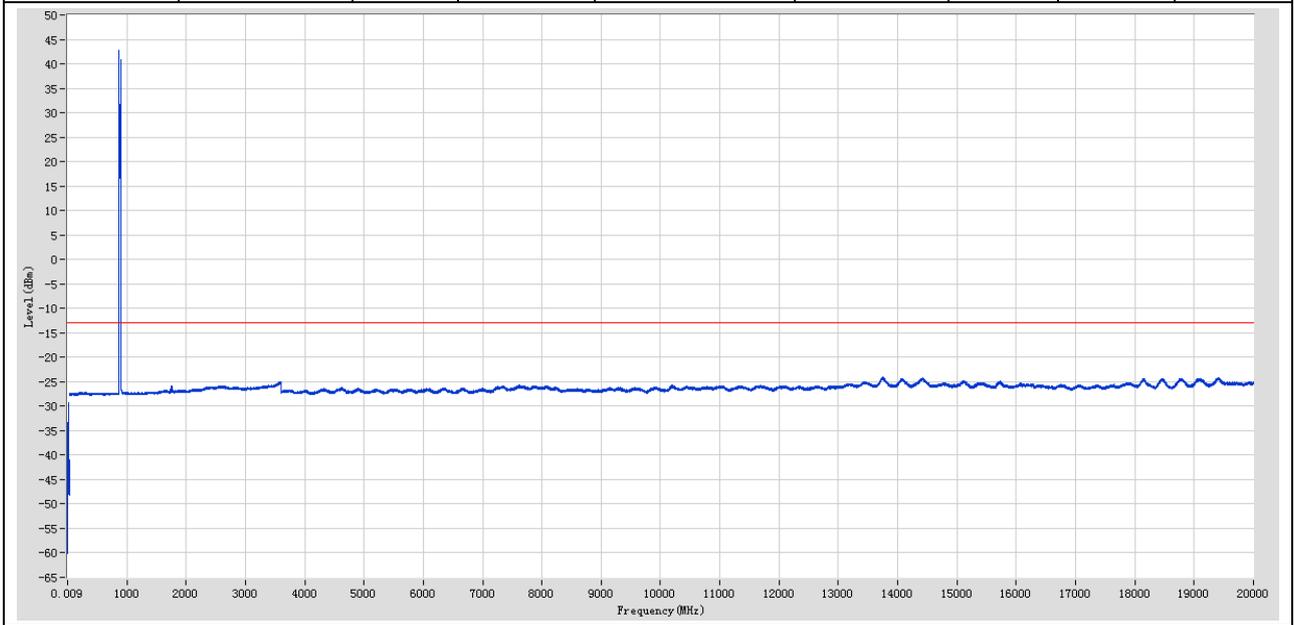
1.2.5 1G1L_1.4M_60W_T_TM1_TRXA

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	66.281 k	-43.02	-13	Pass	801
0.15	30	0.01	RMS	18.75252 M	-31.41	-13	Pass	15001
30	4000	1	RMS	874.073869 M	--	-13	Pass	19901
4000	10000	1	RMS	7616.2 M	-25.75	-13	Pass	30001
10000	20000	1	RMS	13749.12496 M	-24.07	-13	Pass	50002



1.2.6 3G1L_1.4M_60W_B_TM1_TRXA

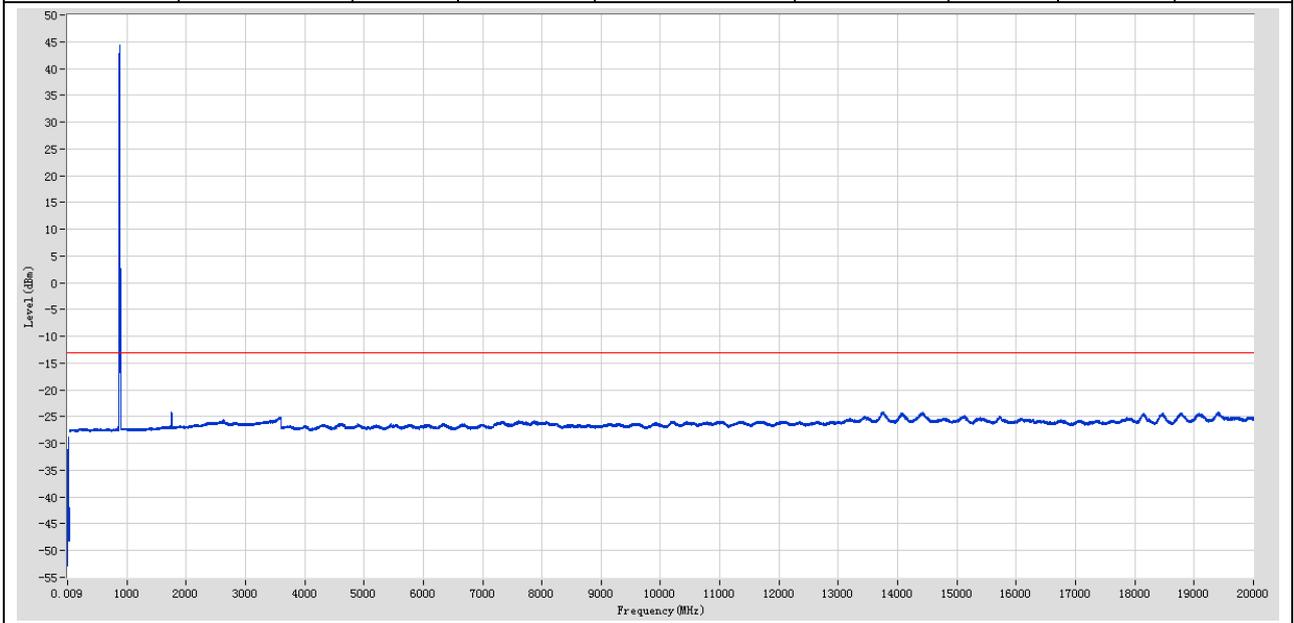
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	66.281 k	-45.25	-13	Pass	801
0.15	30	0.01	RMS	23.60016 M	-29.23	-13	Pass	15001
30	4000	1	RMS	869.684925 M	--	-13	Pass	19901
4000	10000	1	RMS	7613.8 M	-25.73	-13	Pass	30001
10000	20000	1	RMS	13745.12483 M	-24.06	-13	Pass	50002





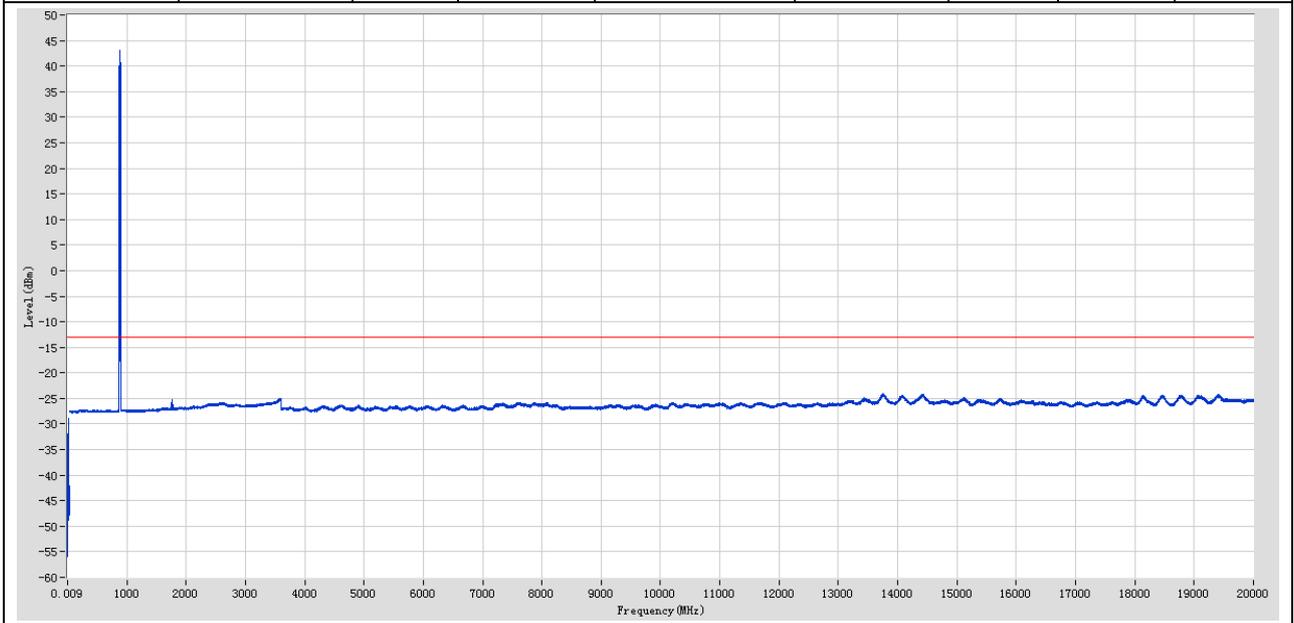
1.2.7 3G1L_1.4M_60W_T_TM1_TRXA

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	15.169 k	-42.32	-13	Pass	801
0.15	30	0.01	RMS	19.20027 M	-28.87	-13	Pass	15001
30	4000	1	RMS	879.061307 M	--	-13	Pass	19901
4000	10000	1	RMS	7875.2 M	-25.76	-13	Pass	30001
10000	20000	1	RMS	13748.72495 M	-24.07	-13	Pass	50002



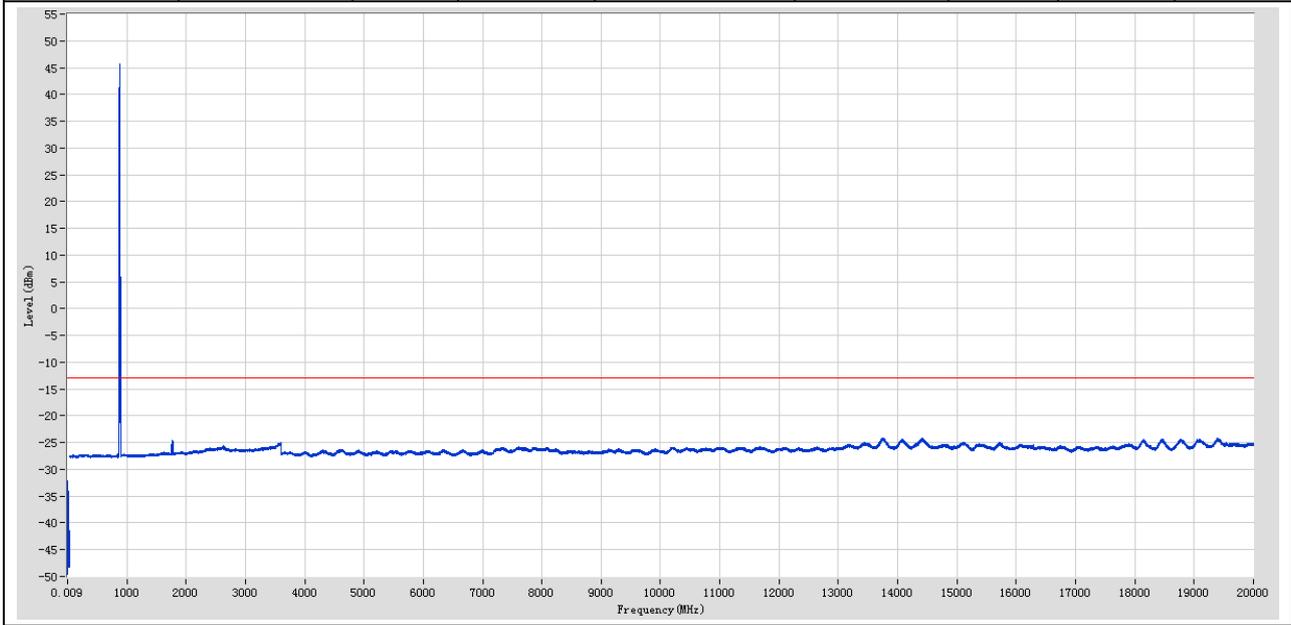
1.2.8 3G1L_20M_60W_B_TM1_TRXA

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	66.457 k	-43.28	-13	Pass	801
0.15	30	0.01	RMS	18.80227 M	-28.9	-13	Pass	15001
30	4000	1	RMS	874.472864 M	--	-13	Pass	19901
4000	10000	1	RMS	7886.6 M	-25.79	-13	Pass	30001
10000	20000	1	RMS	13747.52491 M	-23.97	-13	Pass	50002



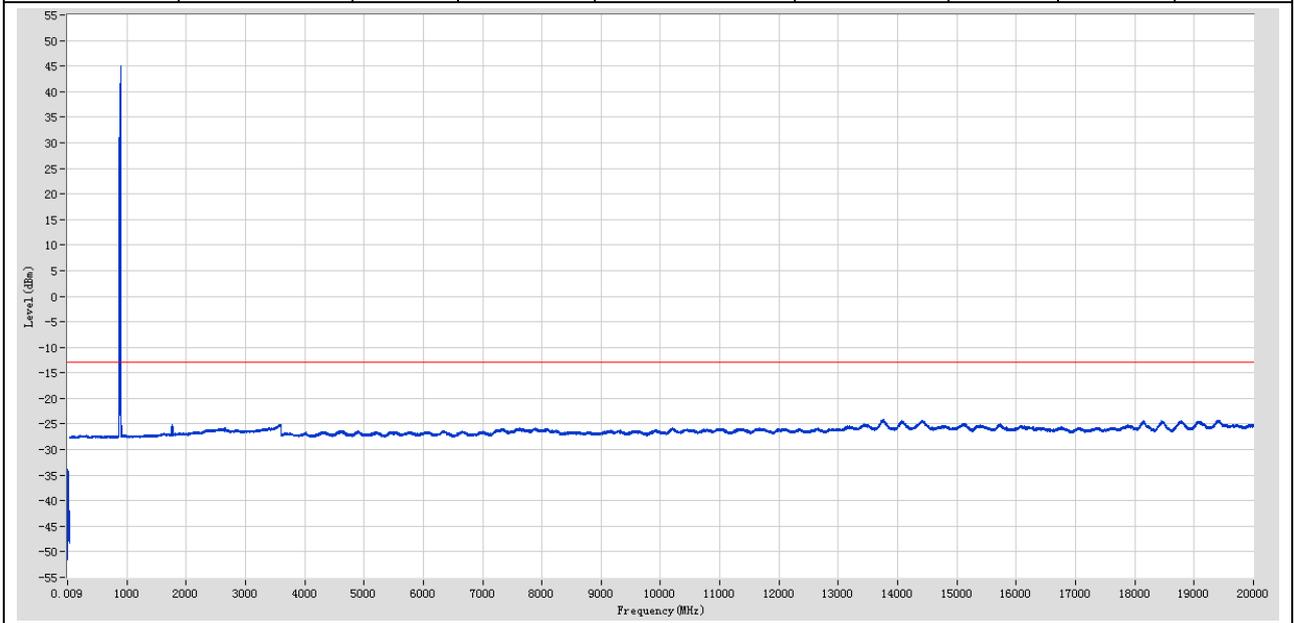
1.2.9 1U1L_1.4M_80W_B_TM1_TRXB

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	9.352 k	-41.29	-13	Pass	801
0.15	30	0.01	RMS	239.55 k	-32.13	-13	Pass	15001
30	4000	1	RMS	888.238191 M	--	-13	Pass	19901
4000	10000	1	RMS	7616 M	-25.82	-13	Pass	30001
10000	20000	1	RMS	13749.32493 M	-24.09	-13	Pass	50002



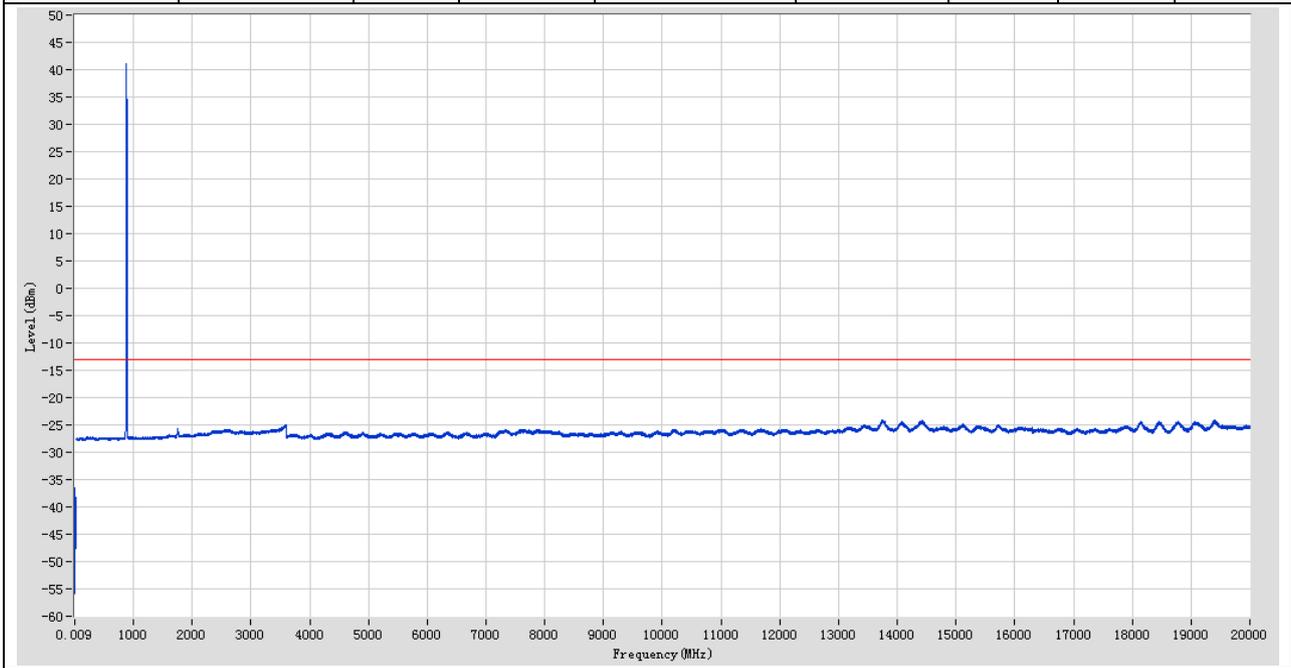
1.2.10 1U1L_1.4M_80W_B_TM1_TRXB

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	14.287 k	-42.11	-13	Pass	801
0.15	30	0.01	RMS	209.7 k	-33.95	-13	Pass	15001
30	4000	1	RMS	893.225628 M	--	-13	Pass	19901
4000	10000	1	RMS	7622 M	-25.76	-13	Pass	30001
10000	20000	1	RMS	13749.72498 M	-24.16	-13	Pass	50002



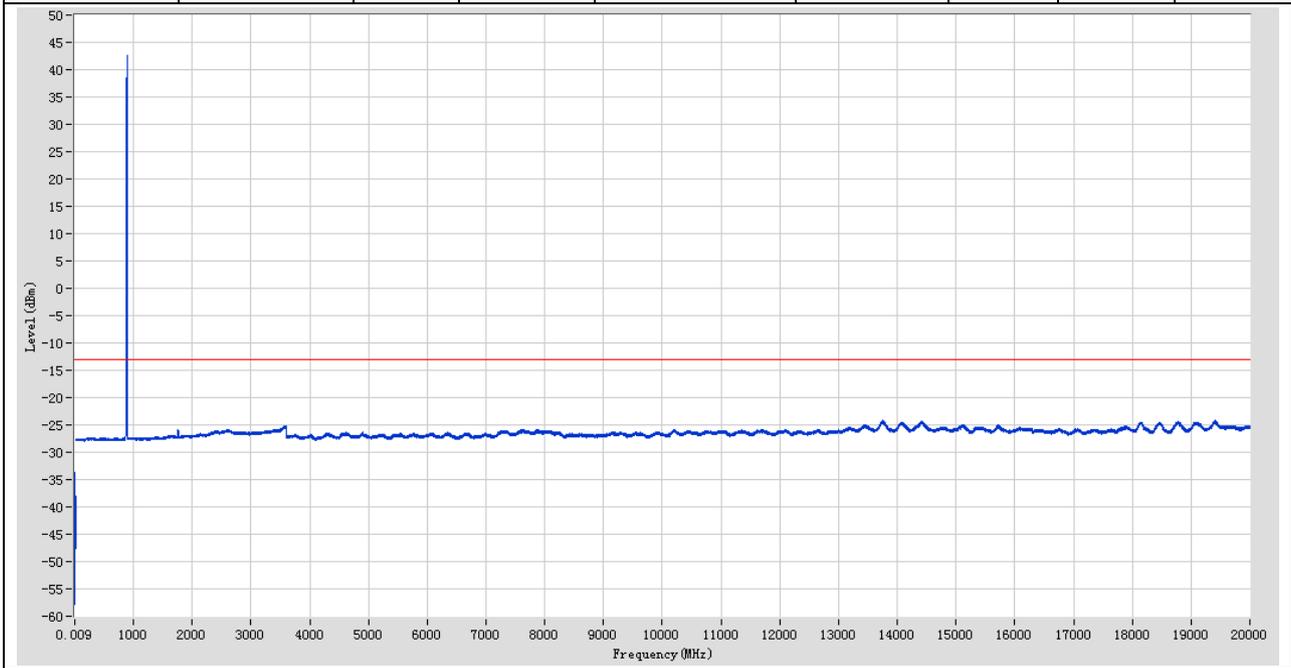
1.2.11 1U1L_20M_80W_B_TM1_TRXB

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	12.701 k	-42.41	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-36.56	-13	Pass	15001
30	4000	1	RMS	871.081407 M	--	-13	Pass	19901
4000	10000	1	RMS	7609.6 M	-25.77	-13	Pass	30001
10000	20000	1	RMS	13746.72488 M	-24.07	-13	Pass	50002



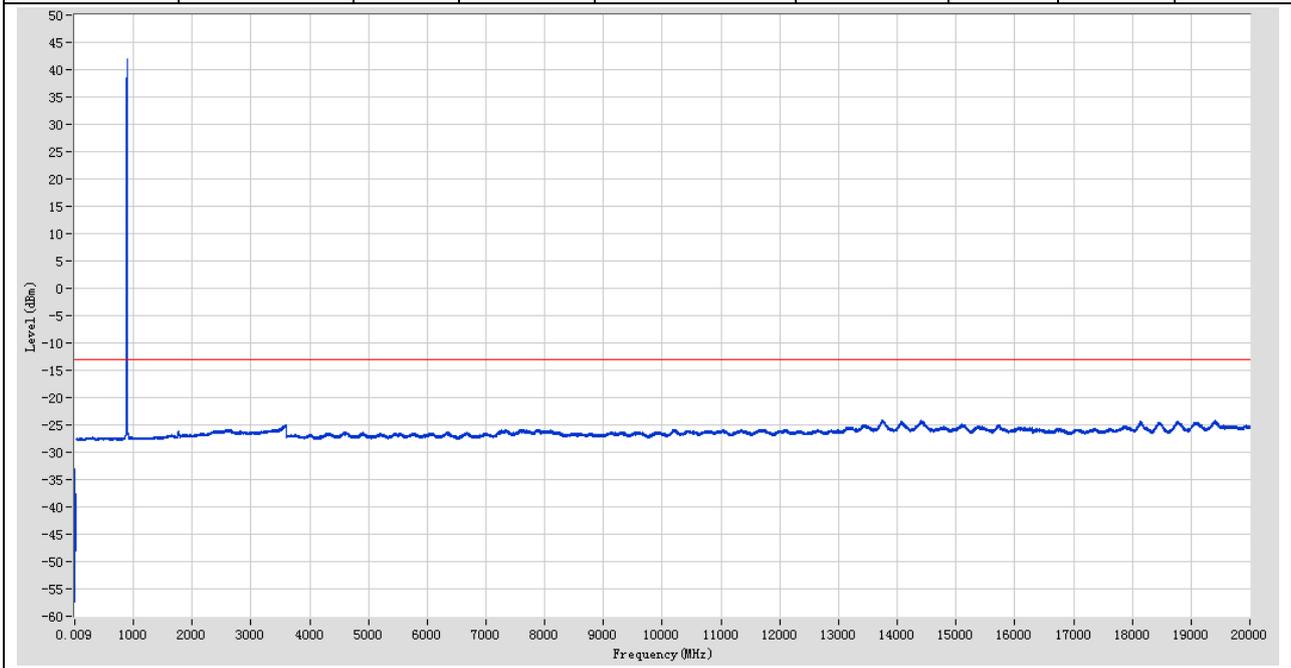
1.2.12 3U1L_1.4M_80W_B_TM1_TRXB

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	66.457 k	-41.74	-13	Pass	801
0.15	30	0.01	RMS	3.84145 M	-33.77	-13	Pass	15001
30	4000	1	RMS	888.238191 M	--	-13	Pass	19901
4000	10000	1	RMS	7646.8 M	-25.9	-13	Pass	30001
10000	20000	1	RMS	13751.52504M	-24.2	-13	Pass	50002



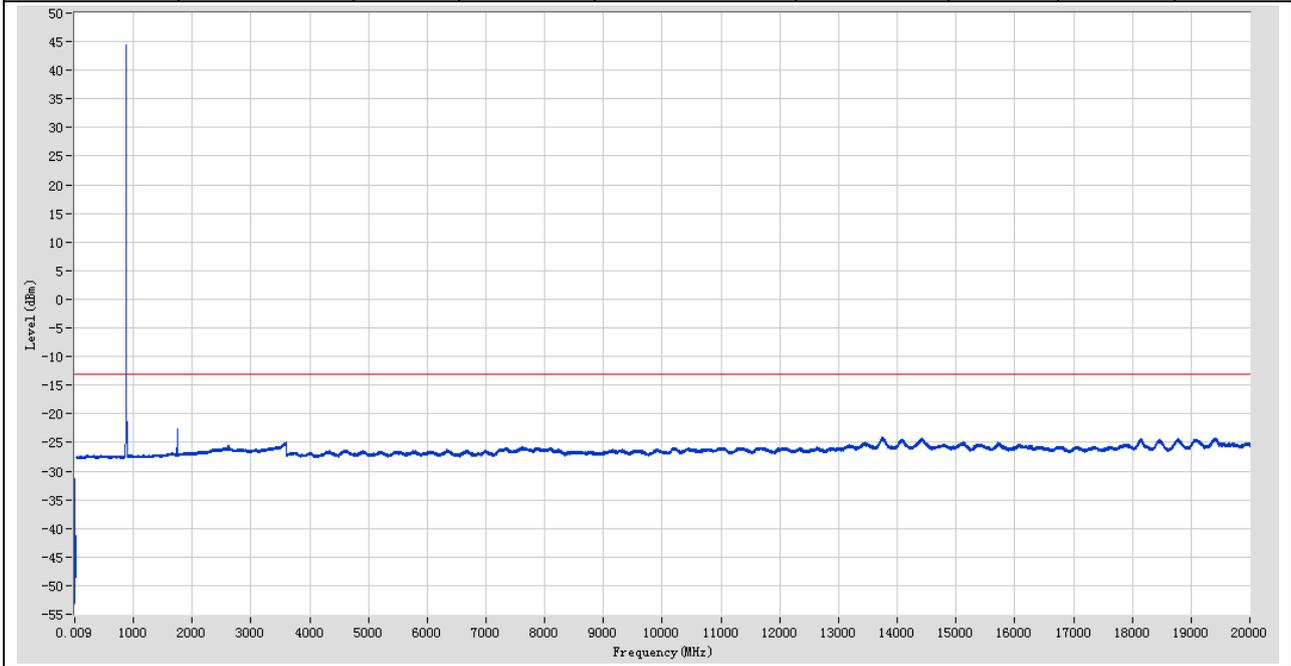
1.2.13 3U1L_1.4M_80W_T_TM1_TRXB

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	14.111 k	-41.66	-13	Pass	801
0.15	30	0.01	RMS	3.83946 M	-33.07	-13	Pass	15001
30	4000	1	RMS	893.225628 M	--	-13	Pass	19901
4000	10000	1	RMS	7337.8 M	-25.76	-13	Pass	30001
10000	20000	1	RMS	13749.72498 M	-24.14	-13	Pass	50002



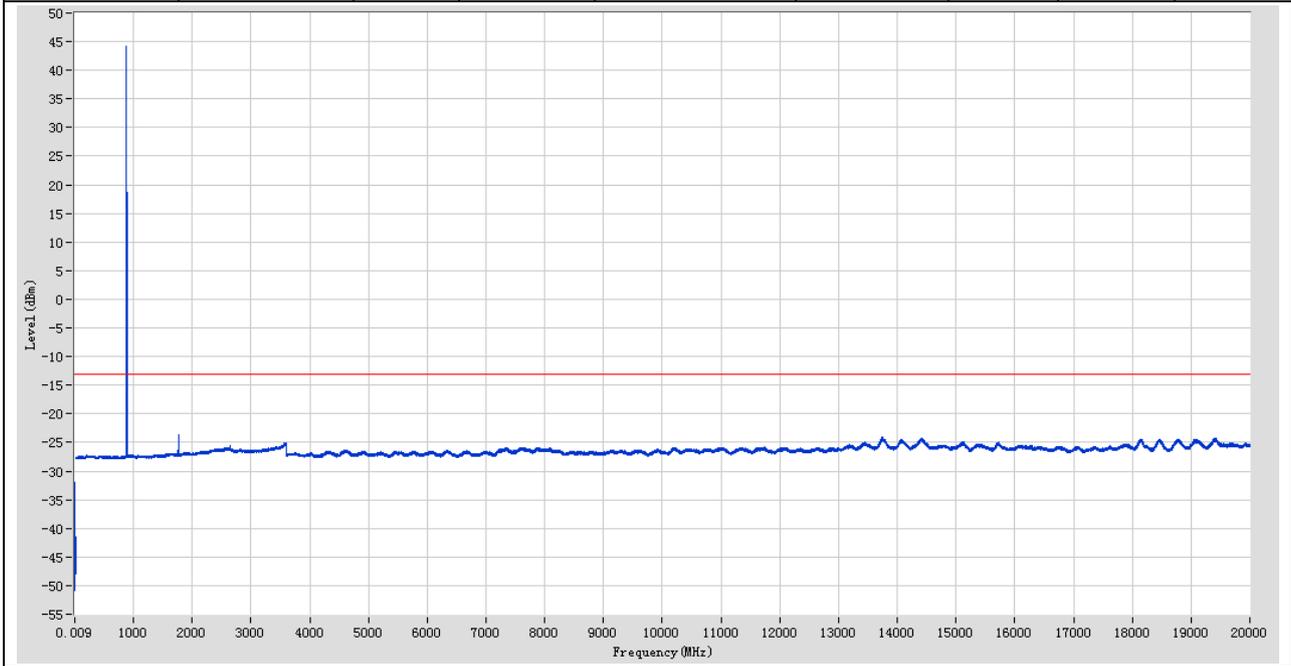
1.2.14 1U_80W_B_TM1_TRXB

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	12.877 k	-38.53	-13	Pass	801
0.15	30	0.01	RMS	3.83747 M	-31.26	-13	Pass	15001
30	4000	1	RMS	871.081407 M	--	-13	Pass	19901
4000	10000	1	RMS	7622.4 M	-25.81	-13	Pass	30001
10000	20000	1	RMS	13743.12476 M	-24.14	-13	Pass	50002



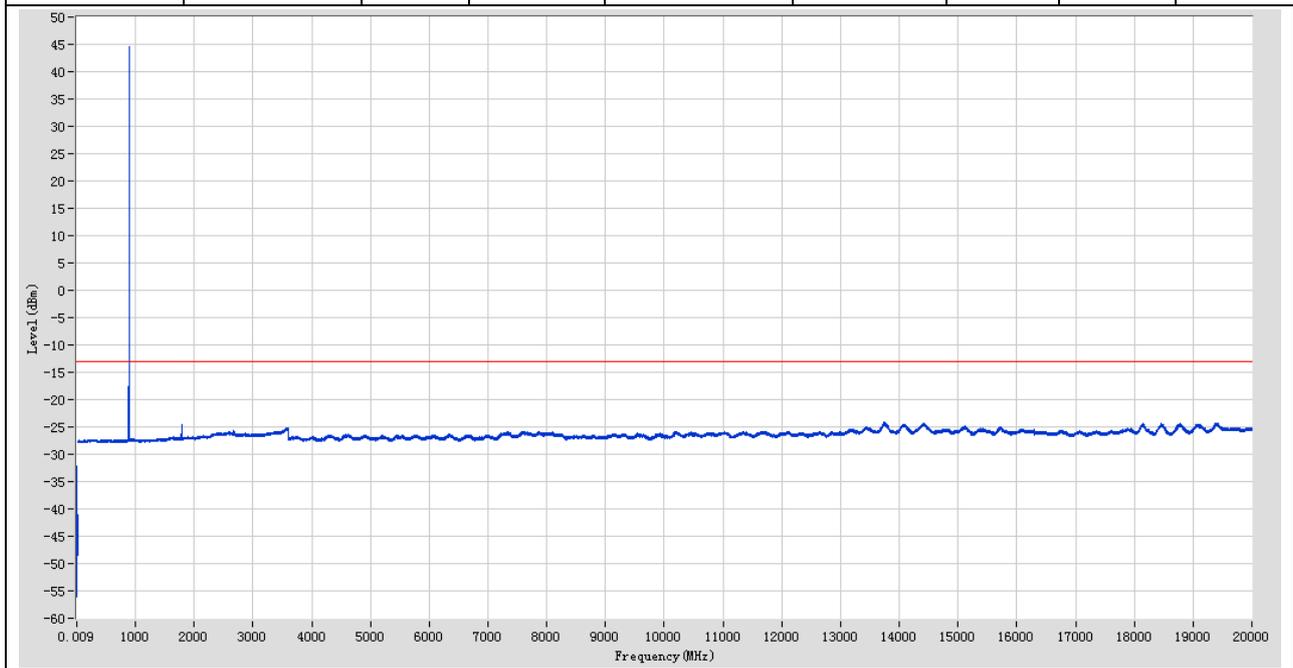
1.2.15 1U_80W_M_TM1_TRXB

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	12.525 k	-38.87	-13	Pass	801
0.15	30	0.01	RMS	3.83747 M	-31.96	-13	Pass	15001
30	4000	1	RMS	881.056281 M	--	-13	Pass	19901
4000	10000	1	RMS	7658.6 M	-25.9	-13	Pass	30001
10000	20000	1	RMS	13762.52541 M	-24.14	-13	Pass	50002



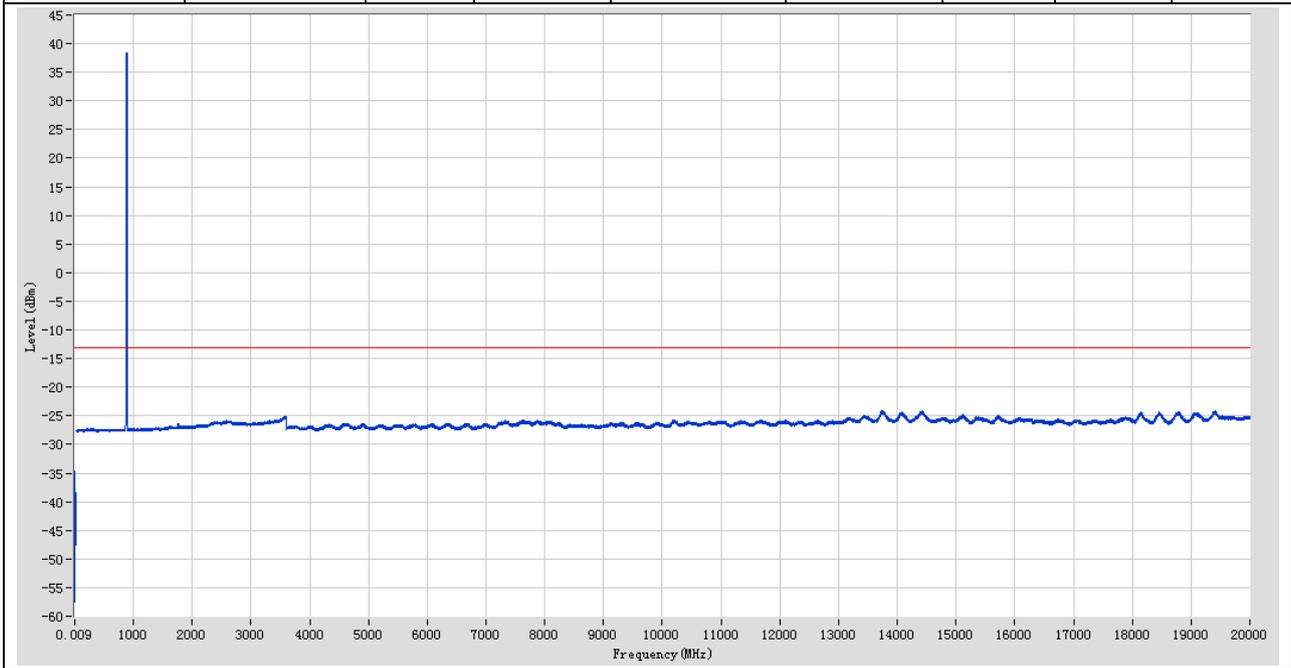
1.2.16 1U_80W_T_TM1_TRXB

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	12.877 k	-38.21	-13	Pass	801
0.15	30	0.01	RMS	3.83747 M	-32.22	-13	Pass	15001
30	4000	1	RMS	891.629648 M	--	-13	Pass	19901
4000	10000	1	RMS	7622 M	-25.8	-13	Pass	30001
10000	20000	1	RMS	13752.5250 M	-24.14	-13	Pass	50002



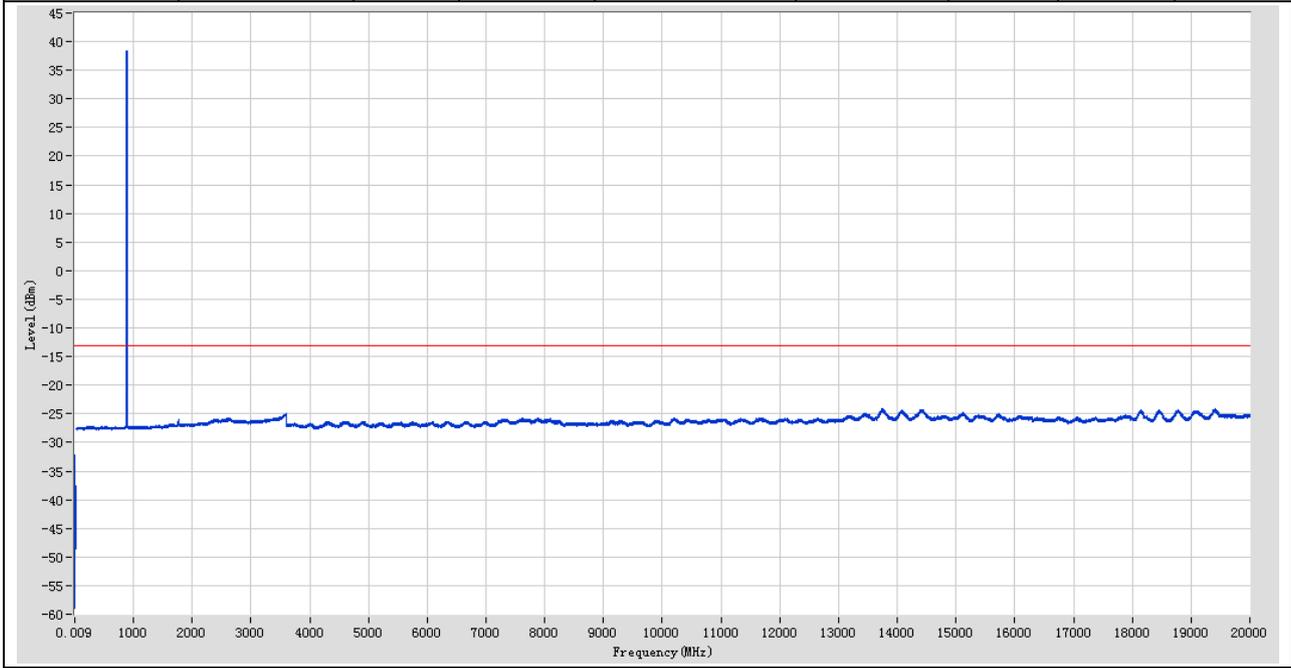
1.2.17 4U_80W_B_TM1_TRXB

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	66.634 k	-42.03	-13	Pass	801
0.15	30	0.01	RMS	3.84145 M	-34.64	-13	Pass	15001
30	4000	1	RMS	881.25577 M	--	-13	Pass	19901
4000	10000	1	RMS	7638.2 M	-25.81	-13	Pass	30001
10000	20000	1	RMS	13750.125 M	-24.12	-13	Pass	50002



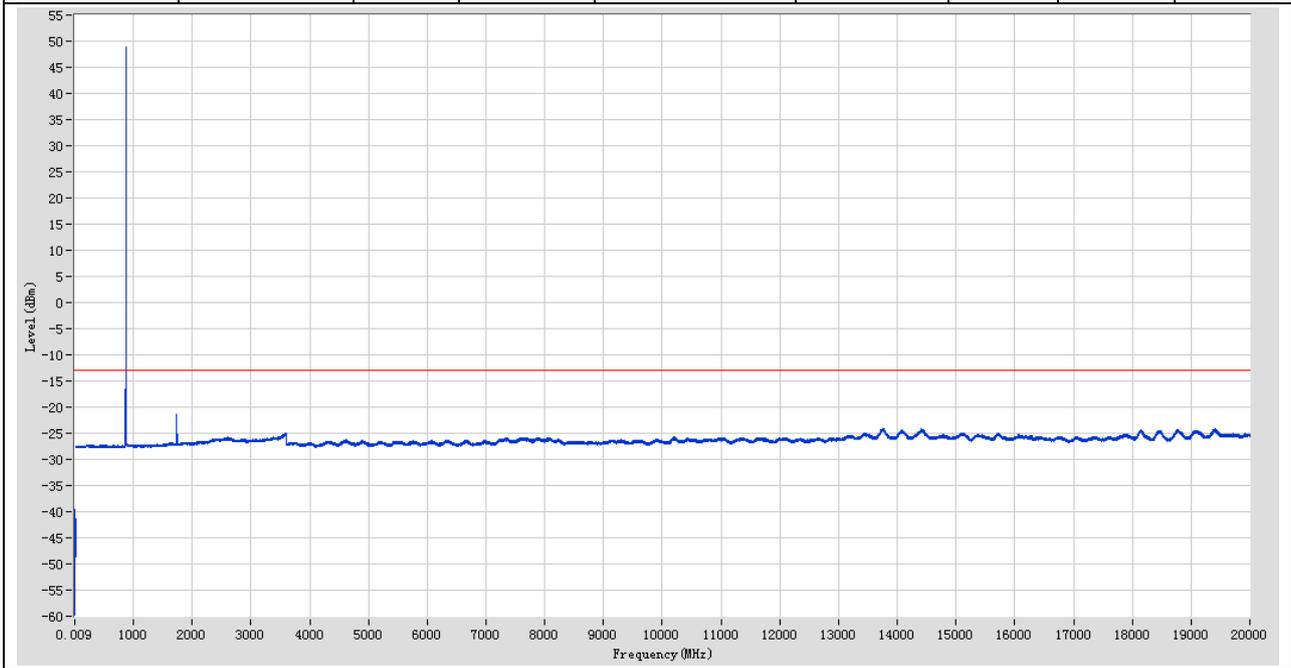
1.2.18 4U_80W_T_TM1_TRXB

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	15.169 k	-42.21	-13	Pass	801
0.15	30	0.01	RMS	3.83747 M	-32.25	-13	Pass	15001
30	4000	1	RMS	881.455276 M	--	-13	Pass	19901
4000	10000	1	RMS	7883.4 M	-25.69	-13	Pass	30001
10000	20000	1	RMS	13750.52501 M	-24.13	-13	Pass	50002



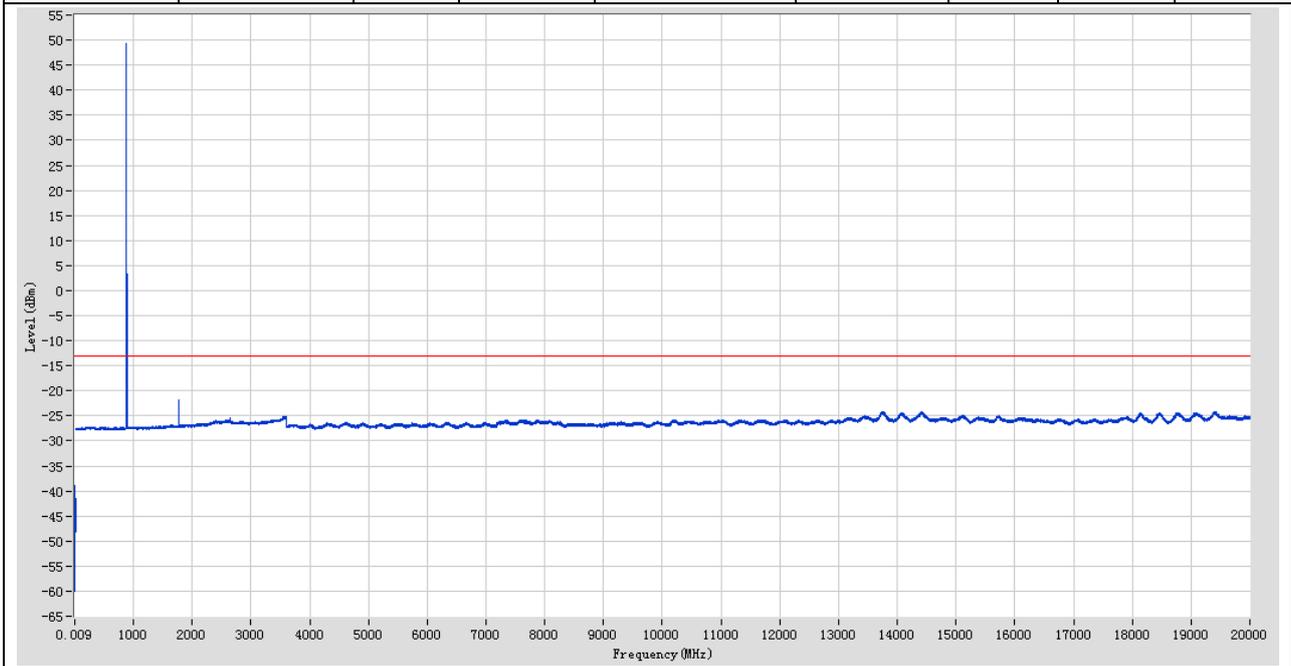
1.2.19 1G_80W_B_TM1_TRXB

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	10.234 k	-40.09	-13	Pass	801
0.15	30	0.01	RMS	468.4 k	-39.64	-13	Pass	15001
30	4000	1	RMS	869.28593 M	--	-13	Pass	19901
4000	10000	1	RMS	7629.6 M	-25.82	-13	Pass	30001
10000	20000	1	RMS	13746.32487 M	-24.15	-13	Pass	50002



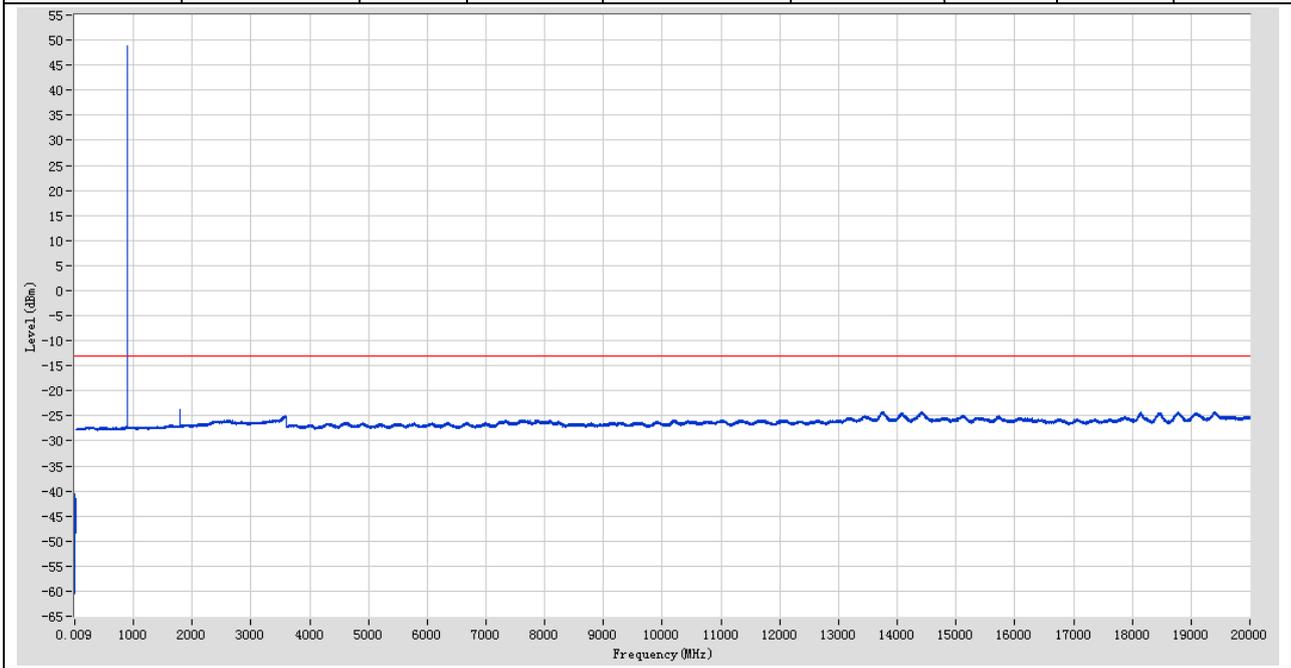
1.2.20 1G_80W_M_TM1_TRXB

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	12.172 k	-38.89	-13	Pass	801
0.15	30	0.01	RMS	153.98 k	-40.59	-13	Pass	15001
30	4000	1	RMS	881.455276 M	--	-13	Pass	19901
4000	10000	1	RMS	7594.8 M	-25.82	-13	Pass	30001
10000	20000	1	RMS	13750.52501 M	-24.14	-13	Pass	50002



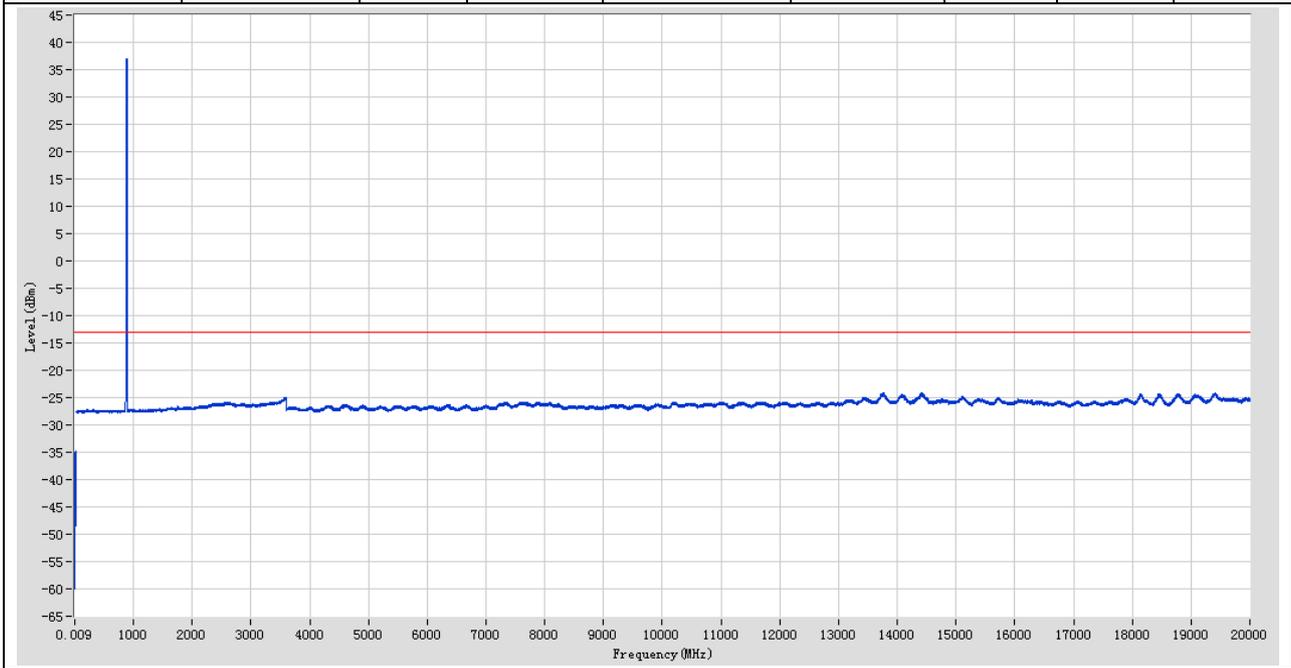
1.2.21 1G_80W_T_TM1_TRXB

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	10.234 k	-40.94	-13	Pass	801
0.15	30	0.01	RMS	468.4 k	-40.58	-13	Pass	15001
30	4000	1	RMS	893.425126 M	--	-13	Pass	19901
4000	10000	1	RMS	7872.4 M	-25.8	-13	Pass	30001
10000	20000	1	RMS	13755.5251 M	-24.12	-13	Pass	50002



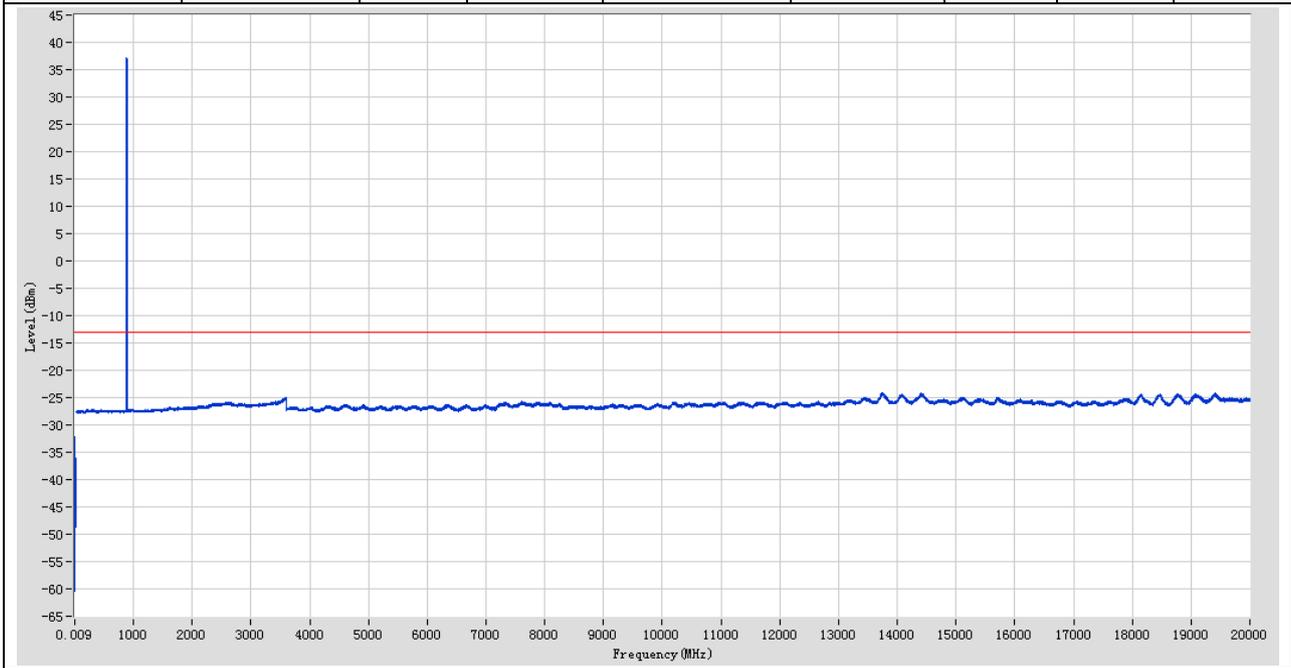
1.2.22 8G_80W_B_TM1_TRXB

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	10.057 k	-43.63	-13	Pass	801
0.15	30	0.01	RMS	14.0004 M	-34.83	-13	Pass	15001
30	4000	1	RMS	886.243216 M	--	-13	Pass	19901
4000	10000	1	RMS	7618.8 M	-25.78	-13	Pass	30001
10000	20000	1	RMS	13764.5254 M	-24.05	-13	Pass	50002



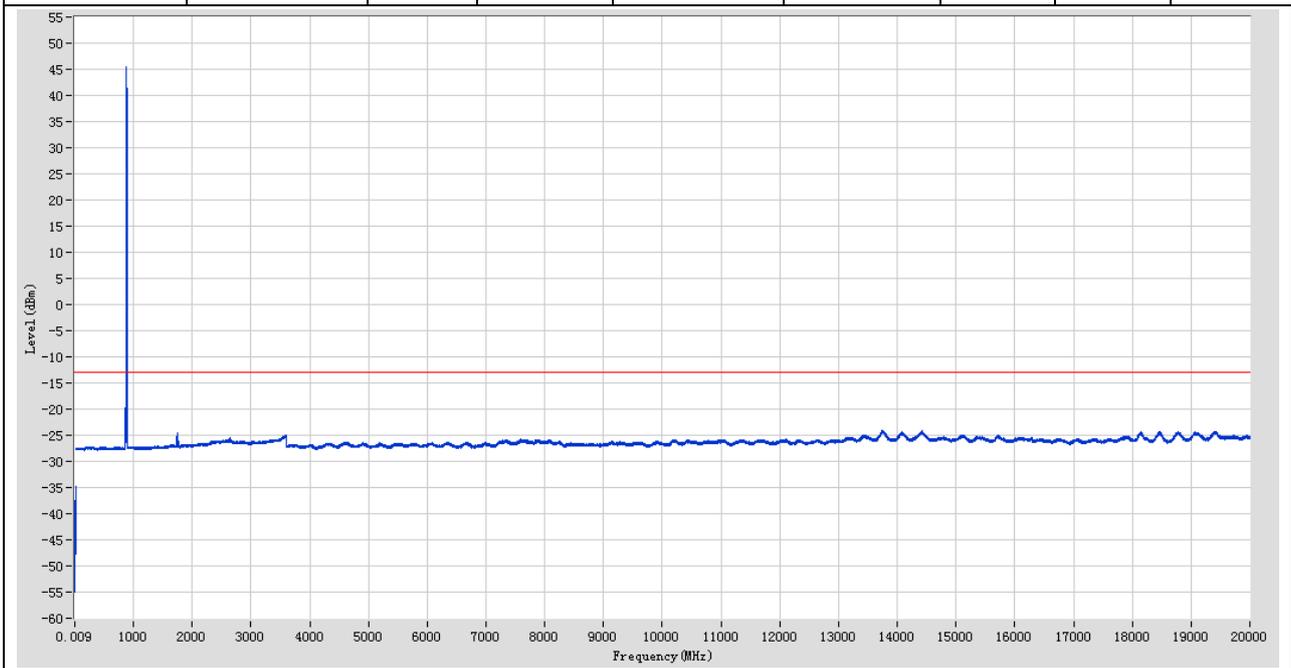
1.2.23 8G_80W_T_TM1_TRXB

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	15.521 k	-44.08	-13	Pass	801
0.15	30	0.01	RMS	2.79471 M	-32.09	-13	Pass	15001
30	4000	1	RMS	876.667337 M	--	-13	Pass	19901
4000	10000	1	RMS	7605.2 M	-25.69	-13	Pass	30001
10000	20000	1	RMS	19413.2293 M	-24.18	-13	Pass	50002



1.2.24 1G1U_80W_B_TM1_TRXB

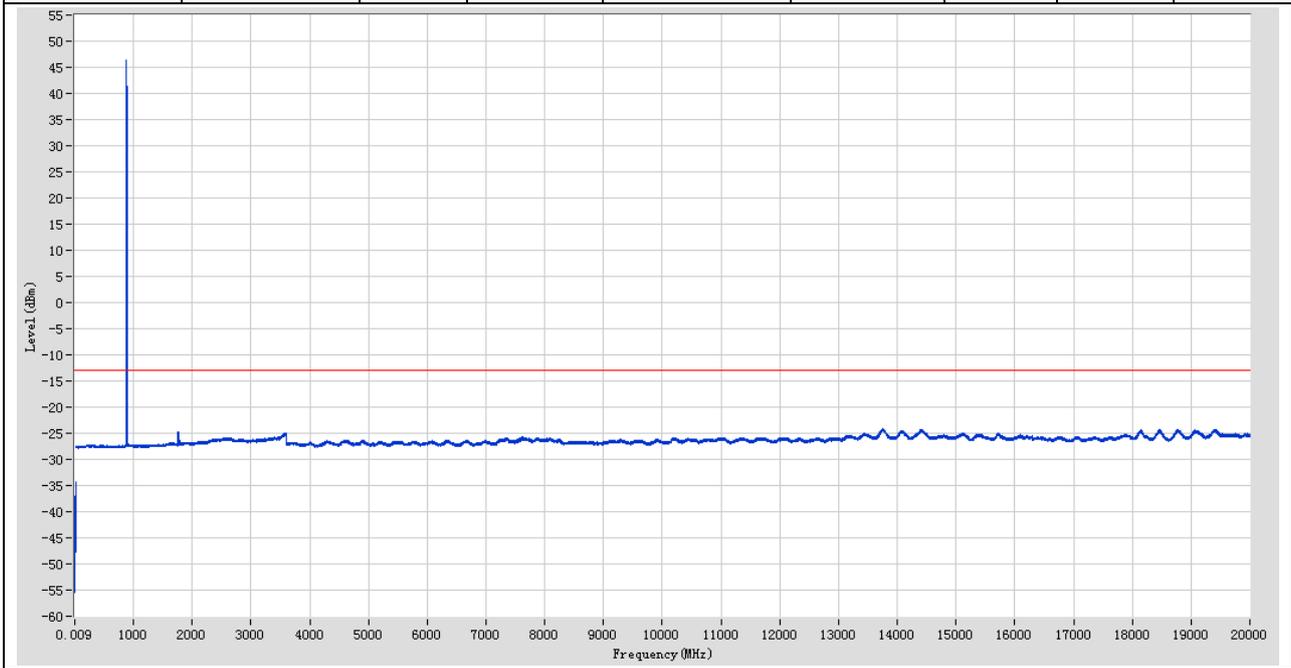
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.529 k	-41.91	-13	Pass	801
0.15	30	0.01	RMS	17.29584 M	-34.76	-13	Pass	15001
30	4000	1	RMS	869.28593 M	--	-13	Pass	19901
4000	10000	1	RMS	7593.8 M	-25.78	-13	Pass	30001
10000	20000	1	RMS	13750.125 M	-24.15	-13	Pass	50002





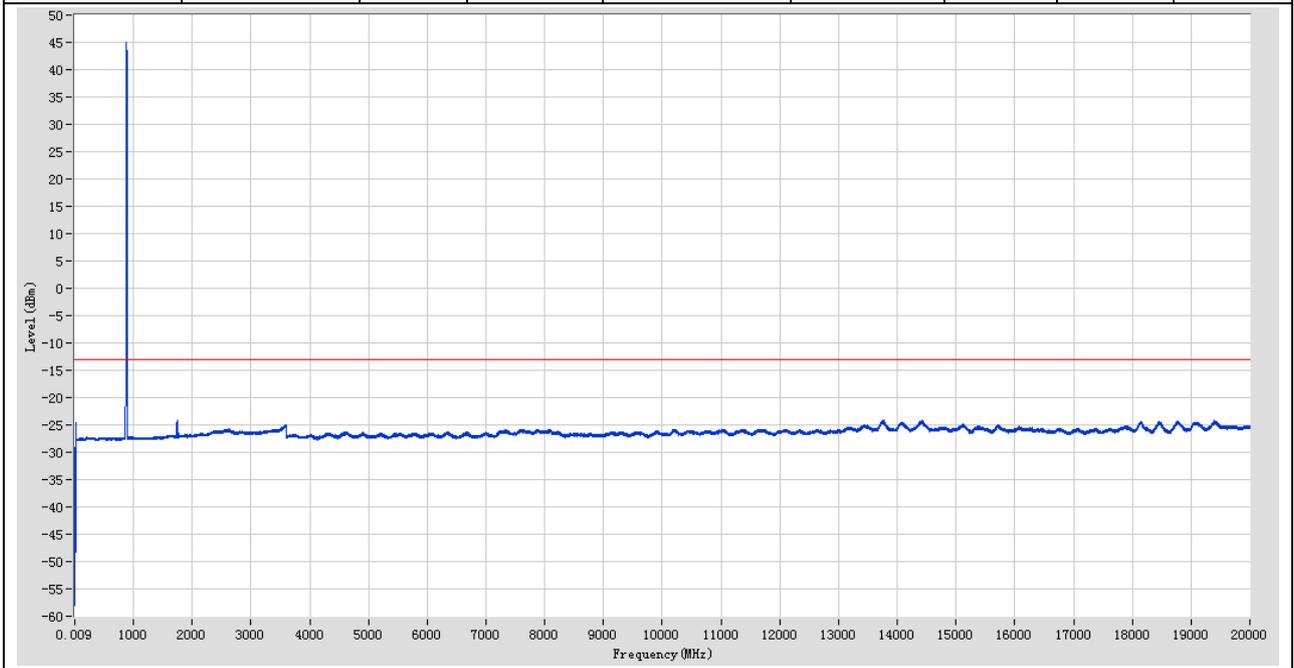
1.2.25 1G1U_80W_T_TM1_TRXB

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	66.457 k	-41.3	-13	Pass	801
0.15	30	0.01	RMS	17.07495 M	-34.26	-13	Pass	15001
30	4000	1	RMS	874.073869 M	--	-13	Pass	19901
4000	10000	1	RMS	7626 M	-25.77	-13	Pass	30001
10000	20000	1	RMS	13745.9248 M	-24.13	-13	Pass	50002



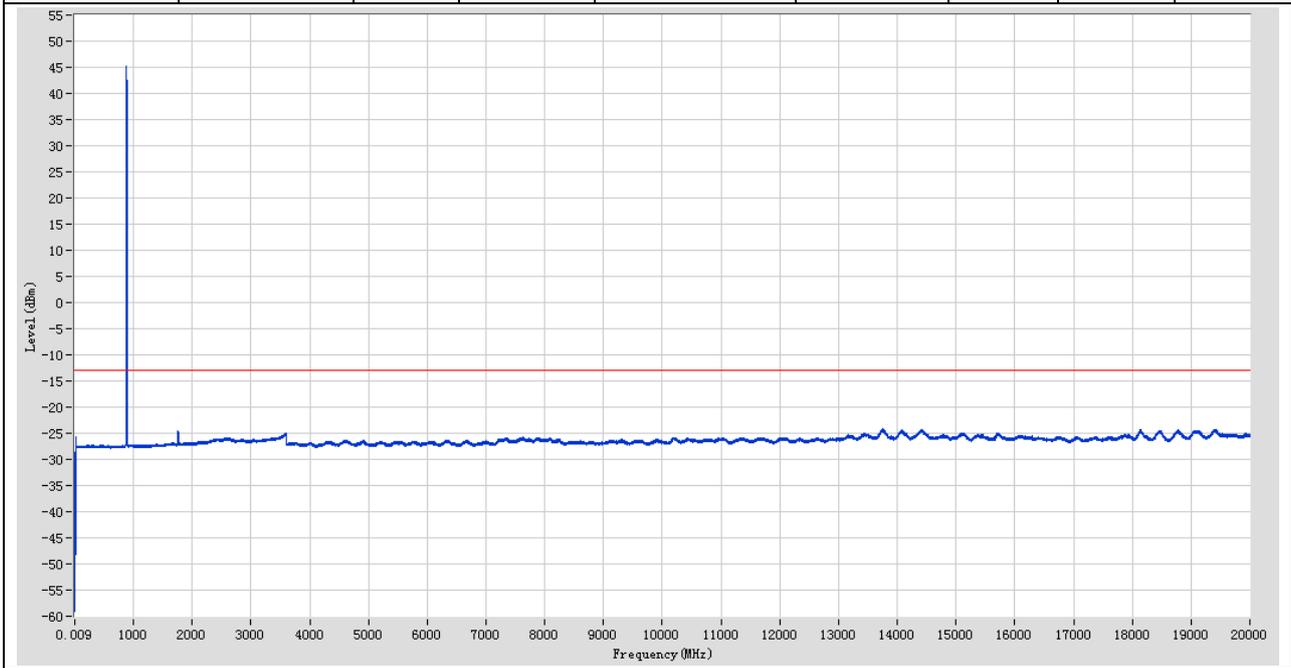
1.2.26 3G1U_80W_B_TM1_TRXB

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	10.234 k	-39.89	-13	Pass	801
0.15	30	0.01	RMS	19.20226 M	-24.61	-13	Pass	15001
30	4000	1	RMS	869.684925 M	--	-13	Pass	19901
4000	10000	1	RMS	7624 M	-25.79	-13	Pass	30001
10000	20000	1	RMS	19397.2301 M	-24.14	-13	Pass	50002



1.2.27 3G1U_80W_T_TM1_TRXB

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	9.881 k	-41.56	-13	Pass	801
0.15	30	0.01	RMS	18.80028 M	-25.58	-13	Pass	15001
30	4000	1	RMS	874.472864 M	--	-13	Pass	19901
4000	10000	1	RMS	7625.4 M	-25.7	-13	Pass	30001
10000	20000	1	RMS	13749.92499 M	-24.17	-13	Pass	50002





Appendix E: Field Strength of Spurious Radiation



1 Result Table

1.1 For test number SYBH(R)00666679

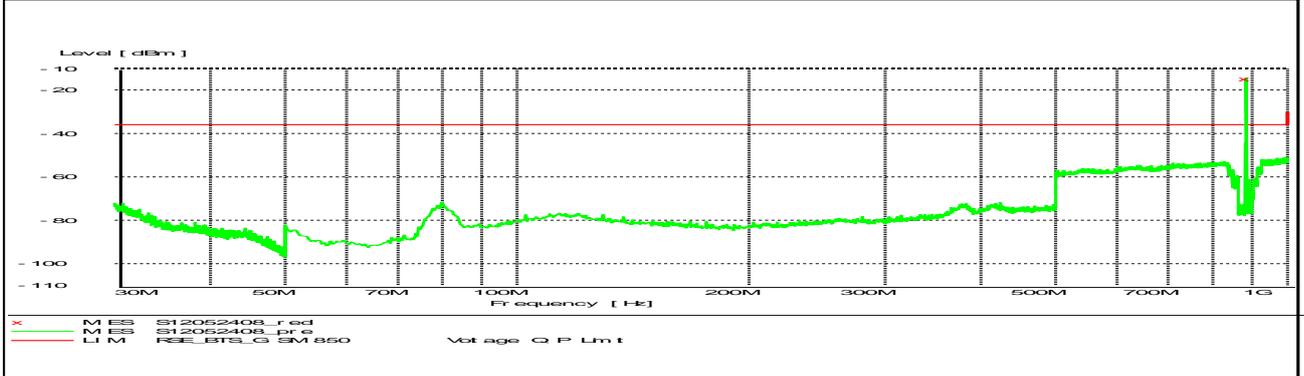
EUT Conf.	Verdict
1G_GMSK_M	Pass

2 Test Plot

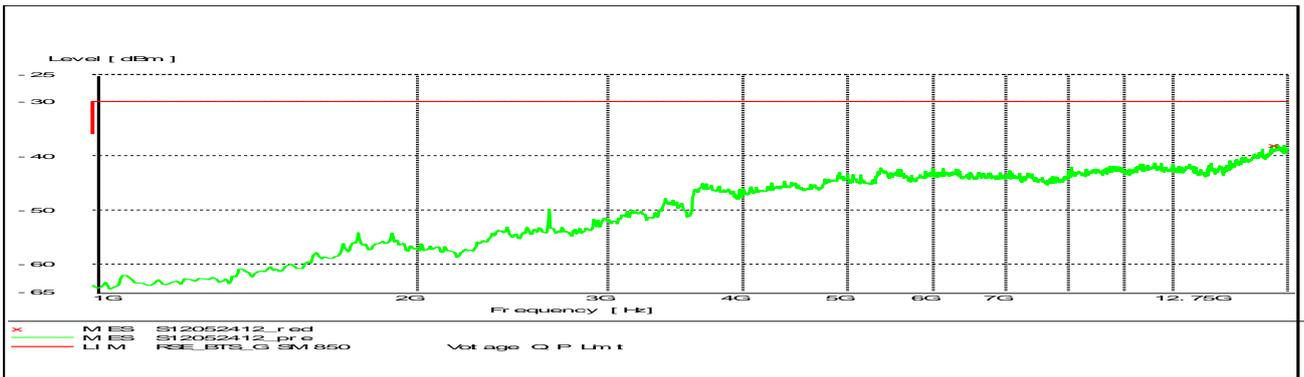
2.1 For test number SYBH(R)00666679

2.1.1 1G_GMSK_M

2.1.1.1 30M-1GHz



2.1.1.2 1GHz-12.75GHz





Appendix F: Frequency Stability



1 Result Table

1.1 For test number SYBH(R)00666679

1.1.1 Frequency Error

(1) Frequency Error vs. Temperature:

EUT Conf.	Voltage	Temperature	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1G_GMSK_M	100%	-30 °C	28.33	0.03214	0.00636	Pass
		-20 °C	30.27	0.03434	0.00851	Pass
		-10 °C	-10.31	-0.01170	-0.03638	Pass
		0 °C	26.18	0.02970	0.00398	Pass
		+10 °C	20.64	0.02342	-0.00215	Pass
		+20 °C	22.58	0.02562	0	Pass
		+30 °C	-12.78	-0.01450	-0.03912	Pass
		+40 °C	-15.33	-0.01739	-0.04194	Pass
		+50 °C	11.42	0.01296	-0.01235	Pass

(2) Frequency Error vs. Voltage:

EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1G_GMSK_M	+20 °C	85 %	21.34	0.02421	-0.00135	Pass
		100 %	22.56	0.02560	0	Pass
		115 %	18.94	0.02149	-0.00400	Pass



Appendix G: Receiver Spurious Emissions



1 Result Table

1.1 For test number SYBH(R)00666679

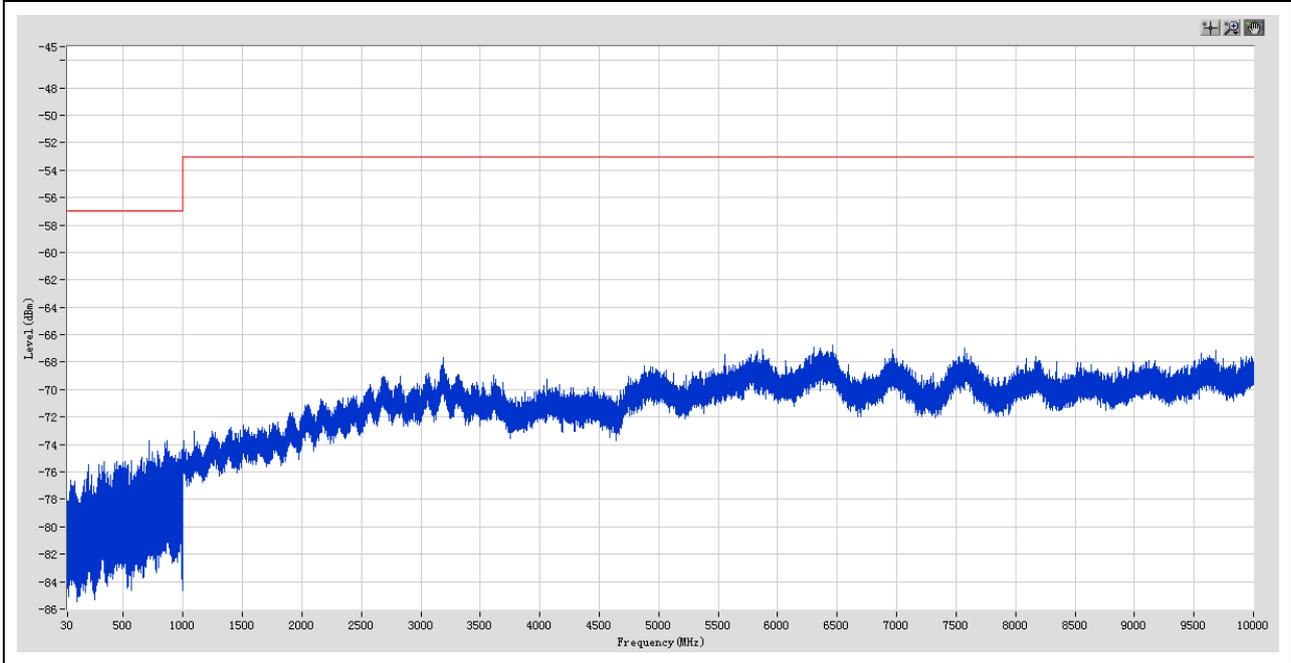
EUT Conf.	Verdict
1U_M	Pass
1G_GMSK_M	Pass

2 Test Plot

2.1 For test number SYBH(R)00666679

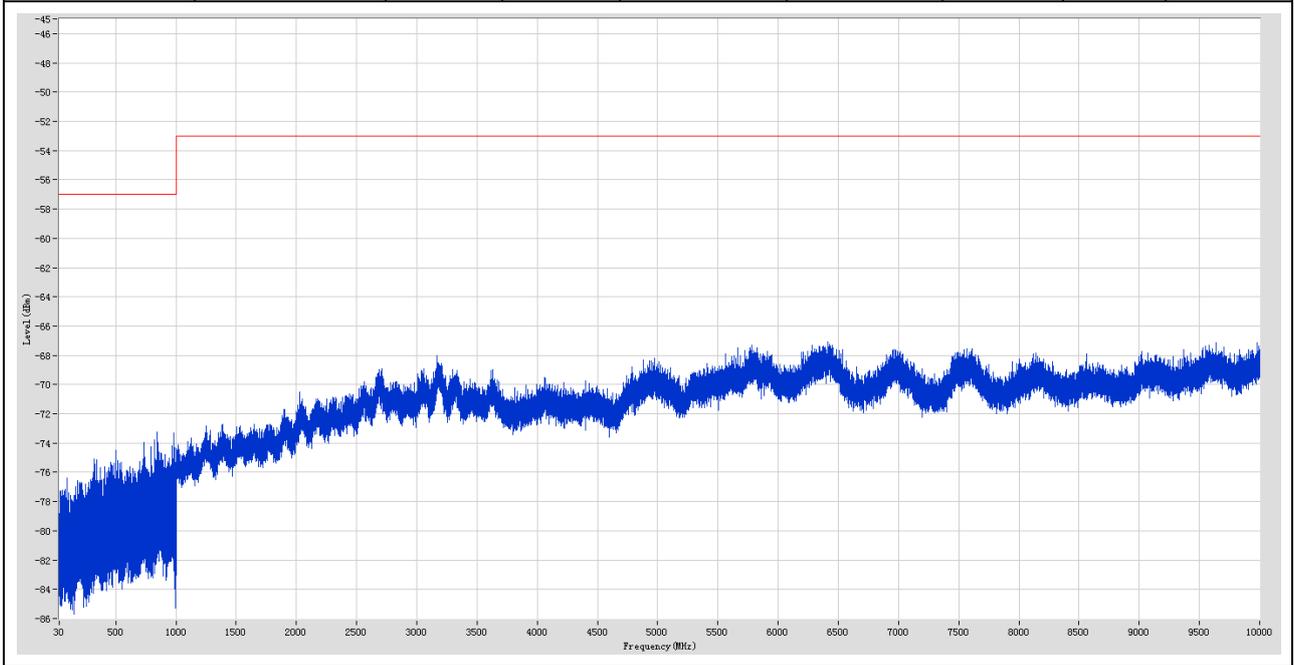
2.1.1 1U_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detect or	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
30	1000	0.12	Peak	865.724893 M	-73.7	-57	Pass	41002
1000	10000	1	RMS	6459.53648 5 M	-66.76	-53	Pass	45000



2.1.2 1G_GMSK_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detect or	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
30	1000	0.12	Peak	842.25230 6 M	-73.24	-57	Pass	41002
1000	10000	1	RMS	6414.7353 65 M	-67.1	-53	Pass	45000

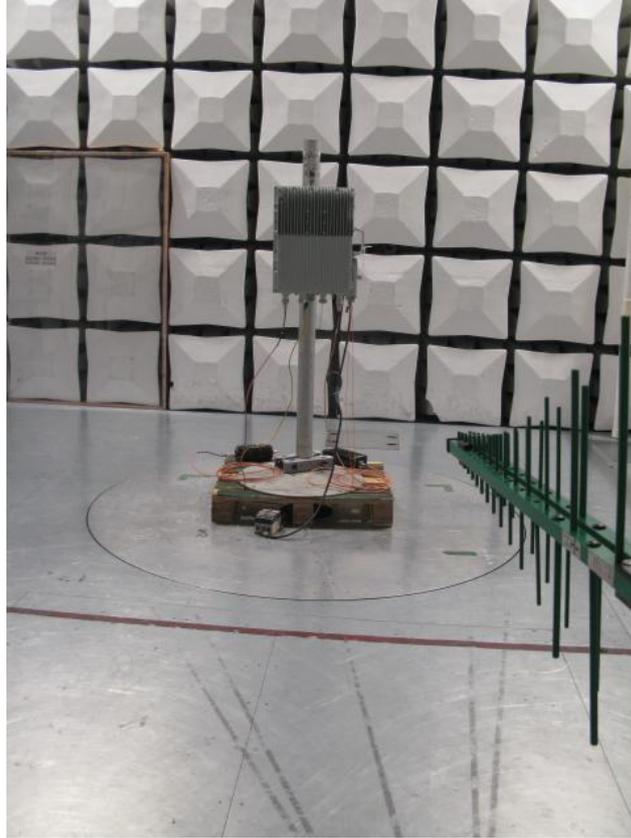




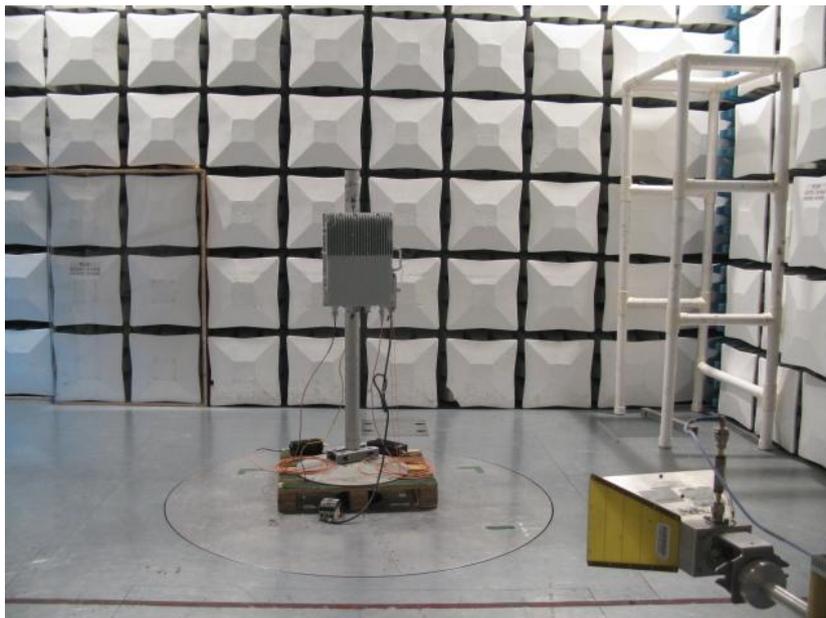
Appendix H: Photos of Test Setups

1 Test Setup 3

1.1 Frequency range below 1 GHz



1.2 Frequency range above 1 GHz





END