



Appendix A: Transmitter Output Power



1 Result Table

1.1 Average Power (Total)

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

EUT Conf.	Average Power [dBm]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
1C_1X_B	47.48	8	---	430.71	Pass
1C_1X_M	47.43	8	---	425.78	Pass
1C_1X_T	47.42	8	---	424.80	Pass
3C_1X_B	47.70	8	---	453.09	Pass
3C_1X_M	47.70	8	---	453.09	Pass
3C_1X_T	47.59	8	---	441.76	Pass
4C_1X_B	47.67	8	---	449.97	Pass
4C_1X_M	47.63	8	---	445.85	Pass
4C_1X_T	47.60	8	---	442.78	Pass
1C_1XEVD0_B	47.45	8	---	427.75	Pass
1C_1XEVD0_M	47.46	8	---	428.73	Pass
1C_1XEVD0_T	47.41	8	---	423.82	Pass
3C_1XEVD0_B	47.60	8	---	442.78	Pass
3C_1XEVD0_M	47.66	8	---	448.94	Pass
3C_1XEVD0_T	47.62	8	---	444.82	Pass
4C_1XEVD0_B	47.59	8	---	441.76	Pass
4C_1XEVD0_M	47.54	8	---	436.70	Pass
4C_1XEVD0_T	47.57	8	---	439.73	Pass
1L_1M4_B	47.82	8	---	465.79	Pass
1L_1M4_M	47.72	8	---	455.18	Pass
1L_1M4_T	47.67	8	---	449.97	Pass
1L_3M_B	47.84	8	---	467.94	Pass
1L_3M_M	47.73	8	---	456.23	Pass
1L_3M_T	47.62	8	---	444.82	Pass
1L_5M_B	47.78	8	---	461.52	Pass
1L_5M_M	47.79	8	---	462.58	Pass
1L_5M_T	47.79	8	---	462.58	Pass
1L_10M_B	47.83	8	---	466.86	Pass
1L_10M_M	47.82	8	---	465.79	Pass
1L_10M_T	47.86	8	---	470.10	Pass
1L_15M_B	47.88	8	---	472.27	Pass
1L_15M_T	47.75	8	---	458.34	Pass
1L_20M_B	47.72	8	---	455.18	Pass



EUT Conf.	Average Power [dBm]	Antenna Gain [dBi]	EIPR [W]	ERP [W]	Verdict
1L_20M_T	47.69	8	---	452.05	Pass
3C1L_1X_1M4_B	47.81	8	---	464.71	Pass
3C1L_1X_1M4_M	47.77	8	---	460.45	Pass
3C1L_1X_1M4_T	47.75	8	---	458.34	Pass
3C1L_1X_3M_B	47.72	8	---	455.18	Pass
3C1L_1X_3M_M	47.76	8	---	459.39	Pass
3C1L_1X_3M_T	47.83	8	---	466.86	Pass
3C1L_1X_5M_B	47.75	8	---	458.34	Pass
3C1L_1X_5M_M	47.82	8	---	465.79	Pass
3C1L_1X_5M_T	47.90	8	---	474.45	Pass
3C1L_1X_10M_B	47.78	8	---	461.52	Pass
3C1L_1X_10M_T	47.89	8	---	473.35	Pass
3C1L_1X_15M_B	47.84	8	---	467.94	Pass
3C1L_1X_15M_T	47.94	8	---	478.84	Pass
3C1L_1X_20M_M	47.88	8	---	472.27	Pass
3C1L_1XEVDO_1M4_B	47.76	8	---	459.39	Pass
3C1L_1XEVDO_1M4_M	47.70	8	---	453.09	Pass
3C1L_1XEVDO_1M4_T	47.75	8	---	458.34	Pass
3C1L_1XEVDO_3M_B	47.79	8	---	462.58	Pass
3C1L_1XEVDO_3M_M	47.83	8	---	466.86	Pass
3C1L_1XEVDO_3M_T	47.74	8	---	457.28	Pass
3C1L_1XEVDO_5M_B	47.73	8	---	456.23	Pass
3C1L_1XEVDO_5M_M	47.80	8	---	463.65	Pass
3C1L_1XEVDO_5M_T	47.84	8	---	467.94	Pass
3C1L_1XEVDO_10M_B	47.75	8	---	458.34	Pass
3C1L_1XEVDO_10M_T	47.91	8	---	475.54	Pass
3C1L_1XEVDO_15M_B	47.85	8	---	469.01	Pass
3C1L_1XEVDO_15M_T	47.95	8	---	479.94	Pass
3C1L_1XEVDO_20M_M	47.80	8	---	463.65	Pass

1.2 Average Power (Spectral Density)

(Not applicable)

1.3 Peak-to-Average Ratio

(Not applicable)



2 Test Plot

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

(Not applicable)



Appendix B: Modulation Characteristics



1 Result Table

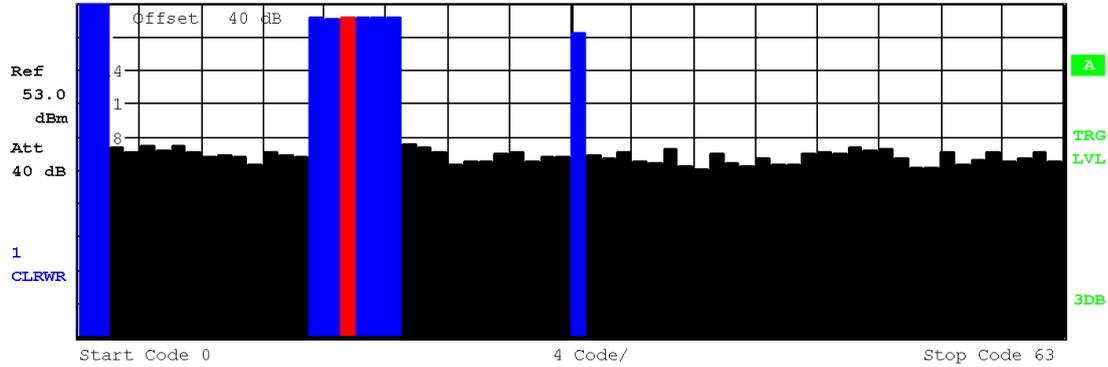
EUT Conf.	Digital modulation?	Verdict
1C_1X_M	Yes	Pass
1L_20M_M	Yes	Pass

2 Test Plot

2.1 EUT Conf. 1C_1X_M



BS,1X,C0 :CODE POWER SR 19.2 ksp/s
Chan 17.64
dB PICH CF 881.4 MHz PCG 0

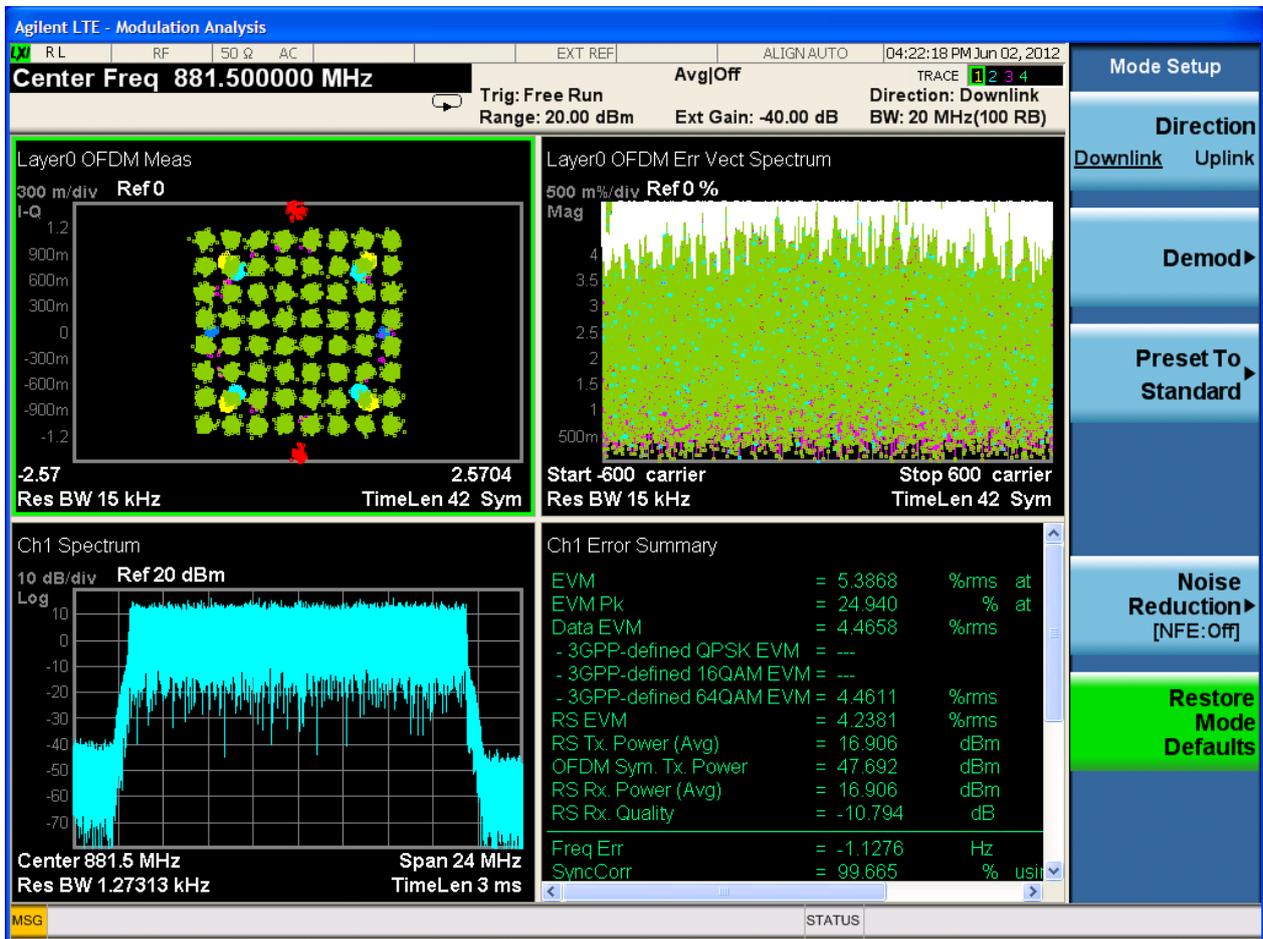


RESULT SUMMARY TABLE SR 19.2 ksp/s
Chan 17.64
Offset 40 dB CF 881.4 MHz PCG 0

RESULTS FOR SET 0 PCG 0:		GLOBAL RESULTS FOR SET 0:	
Total PWR	47.39 dBm	Carr Freq Error	-36.27 Hz
Pilot PWR	40.36 dBm	Carr Freq Error	-0.04 ppm
RHO	0.99185	Chip Rate Error	0.08 ppm
Composite EVM	9.07 %	Trg to Frame	1.855450 μs
Pk CDE (SF 64)	-36.31 dB	Active Channels	9
IQ Imbal/Offset	0.06/0.16 %		
CHANNEL RESULTS:		Modulation QPSK	
Symbol Rate	19.2 ksp/s	Timing Offset	-.-- ns
Channel.SF	17.64	Phase Offset	-.-- mrad
Channel Power Rel	-3.22 dB	Channel Power Abs	37.13 dBm
Symbol EVM	4.20 % rms	Symbol EVM	10.38 % Pk

Date: 28.MAY.2012 12:07:40

2.2 EUT Conf. 1L_20M_M





Appendix C: Bandwidth



1 Result Table

1.1 99% Occupied Bandwidth

EUT Conf.	99% Occupied Bandwidth [MHz]	Verdict
1C_1X_B	1.2519	Pass
1C_1X_M	1.2519	Pass
1C_1X_T	1.2519	Pass
1C_1XEVD0_B	1.2519	Pass
1C_1XEVD0_M	1.2519	Pass
1C_1XEVD0_T	1.2519	Pass
1L_1M4_B	1.0903	Pass
1L_1M4_M	1.0904	Pass
1L_1M4_T	1.0904	Pass
1L_3M_B	2.6934	Pass
1L_3M_M	2.6936	Pass
1L_3M_T	2.6932	Pass
1L_5M_B	4.4760	Pass
1L_5M_M	4.4768	Pass
1L_5M_T	4.4761	Pass
1L_10M_B	8.9337	Pass
1L_10M_M	8.9350	Pass
1L_10M_T	8.9332	Pass
1L_15M_B	13.391	Pass
1L_15M_T	13.390	Pass
1L_20M_B	17.845	Pass
1L_20M_T	17.843	Pass

1.2 Emission Bandwidth

(Not applicable)



2 Test Plot

2.1 99% Occupied Bandwidth

2.1.1 EUT Conf.1C_1X_B



BS,1X,C0 :OCC BANDWDT

*RBW 20 kHz

Marker 1 [T1]

VBW 200 kHz

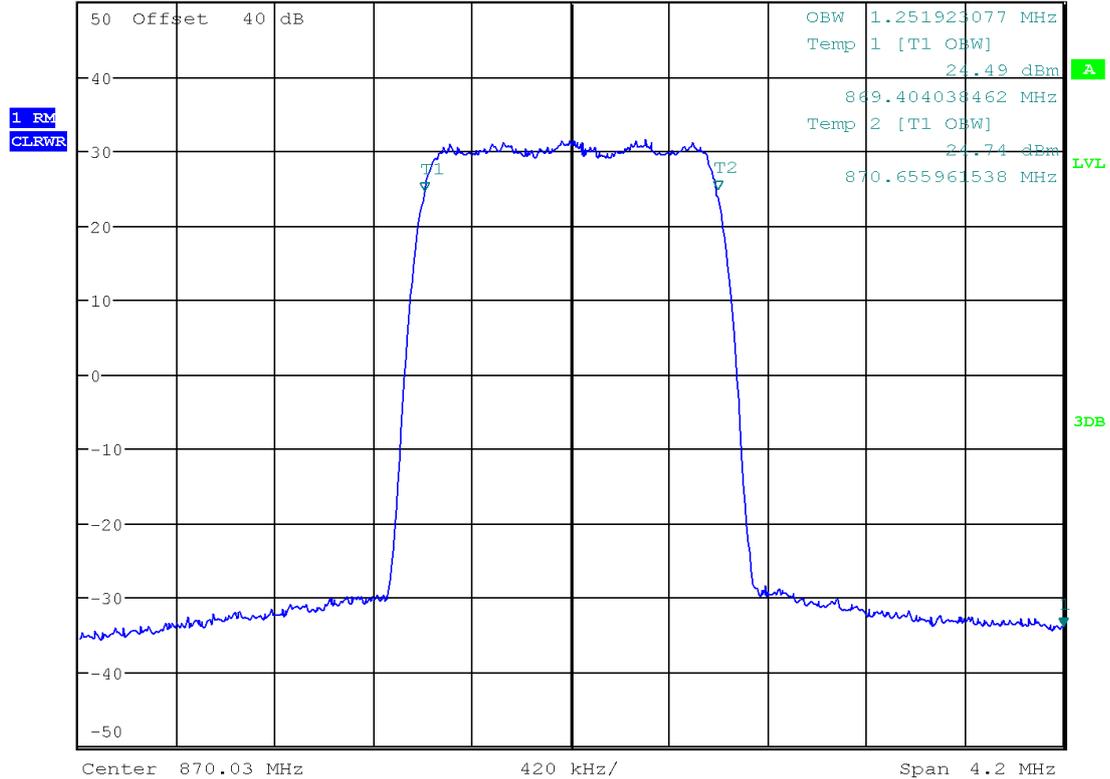
-33.91 dBm

*SWT 3 s

872.13000000 MHz

Ref 50 dBm

Att 15 dB



Date: 26.MAY.2012 17:28:28



2.1.2 EUT Conf.1C_1X_M



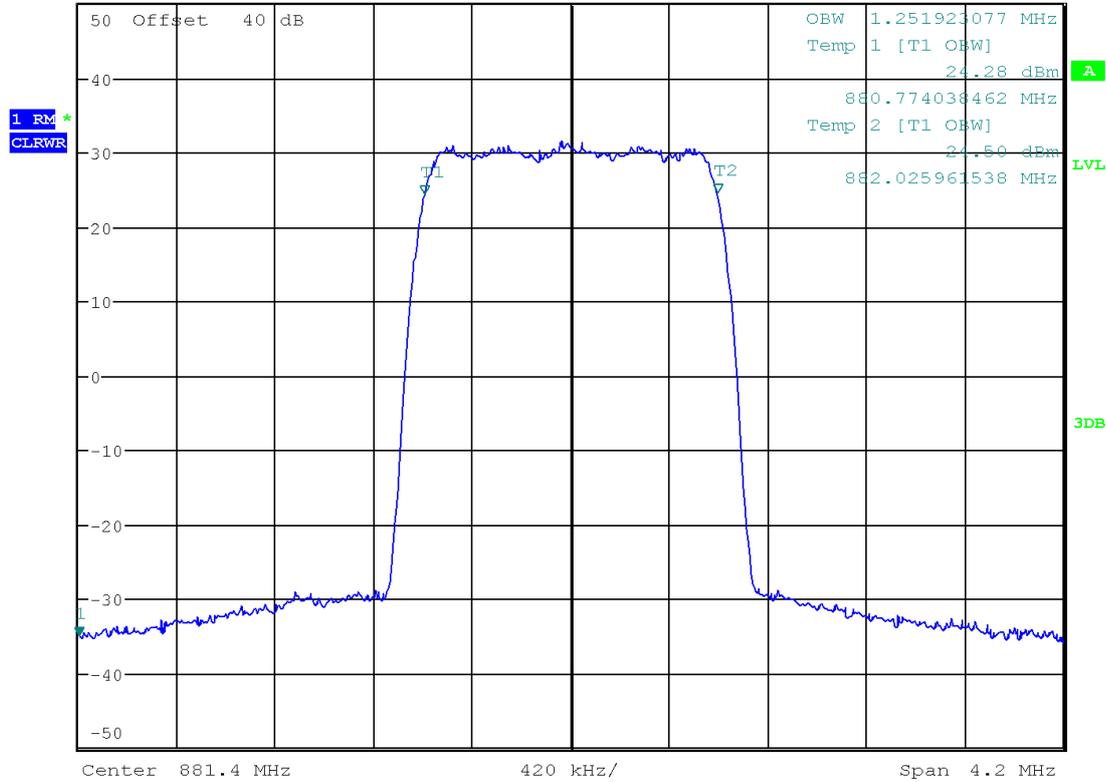
BS,1X,C0 :OCC BANDWDT

*RBW 20 kHz
VBW 200 kHz
*SWT 3 s

Marker 1 [T1]
-34.96 dBm
879.300000000 MHz

Ref 50 dBm

Att 15 dB



Date: 28.MAY.2012 11:46:22

2.1.3 EUT Conf.1C_1X_T



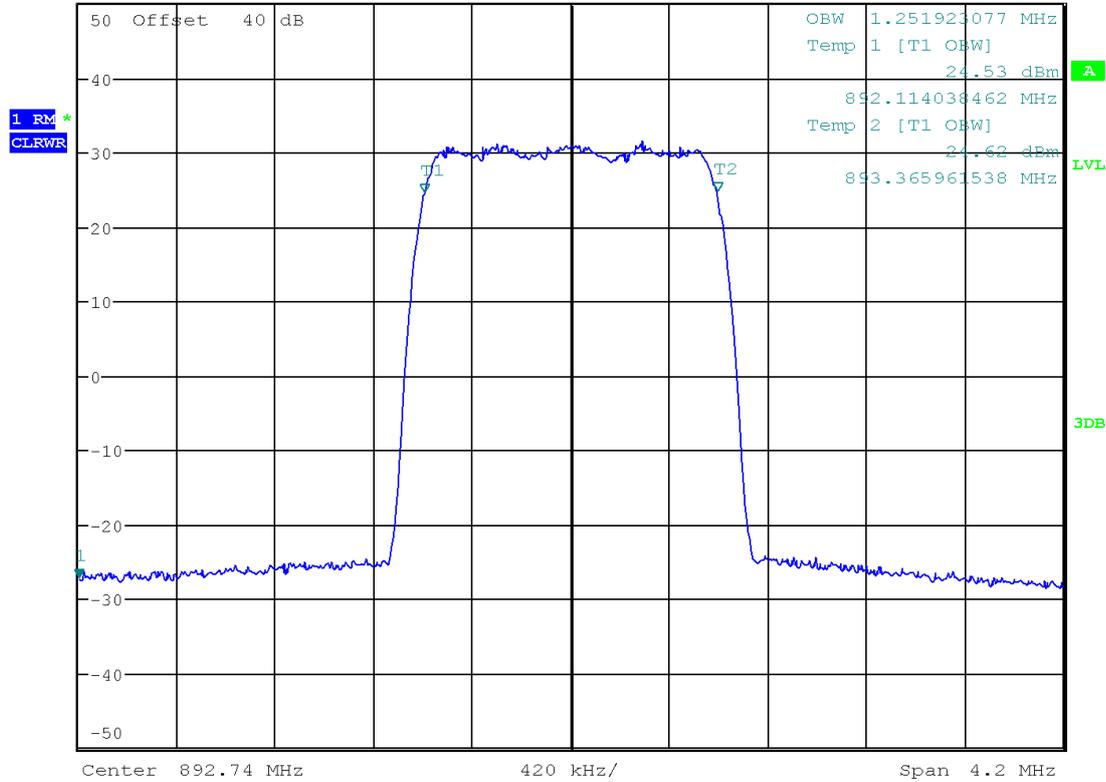
BS,1X,C0 :OCC BANDWDT

*RBW 20 kHz
VBW 200 kHz
*SWT 3 s

Marker 1 [T1]
-27.11 dBm
890.640000000 MHz

Ref 50 dBm

Att 15 dB



Date: 28.MAY.2012 11:38:24

2.1.4 EUT Conf. 1C_1XEVD0_B



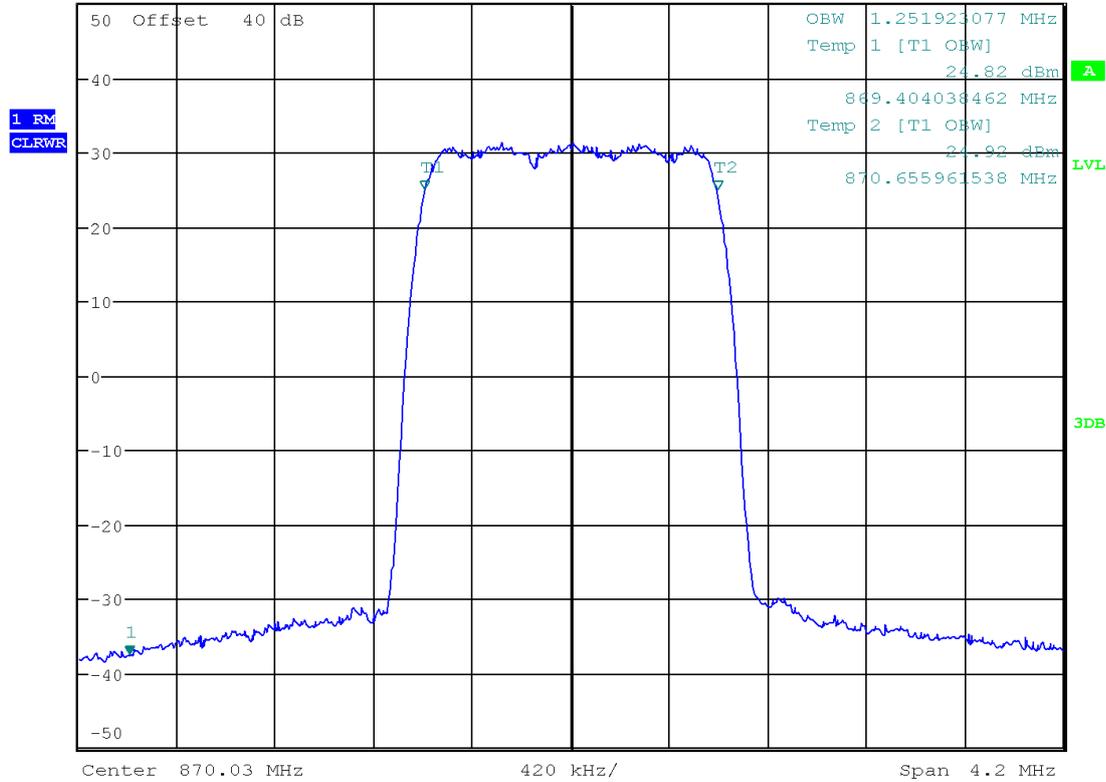
BS,DO,CO :OCC BANDWDT

*RBW 20 kHz
VBW 200 kHz
*SWT 3 s

Marker 1 [T1]
-37.48 dBm
868.143669120 MHz

Ref 50 dBm

Att 15 dB



Date: 5.JUN.2012 14:21:29

2.1.5 EUT Conf. 1C_1XEVD0_M



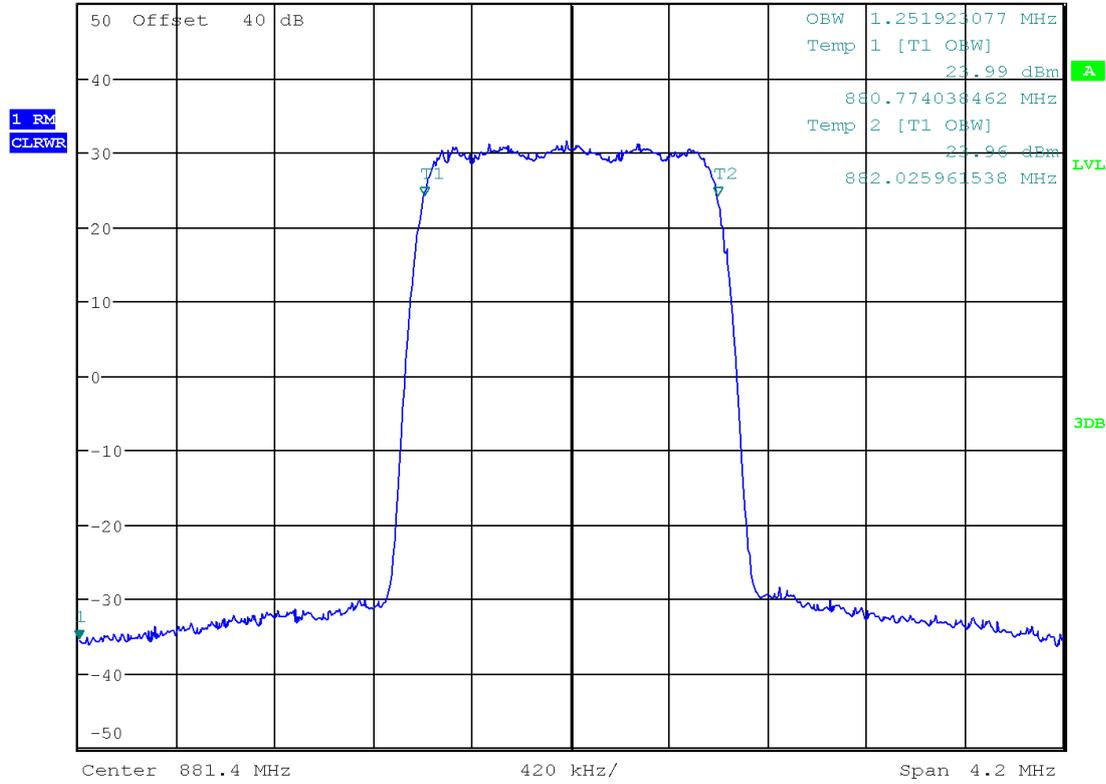
BS,DO,CO :OCC BANDWDT

*RBW 20 kHz
VBW 200 kHz
*SWT 3 s

Marker 1 [T1]
-35.46 dBm
879.300000000 MHz

Ref 50 dBm

Att 15 dB



Date: 5.JUN.2012 14:23:05

2.1.6 EUT Conf. 1C_1XEVD0_T



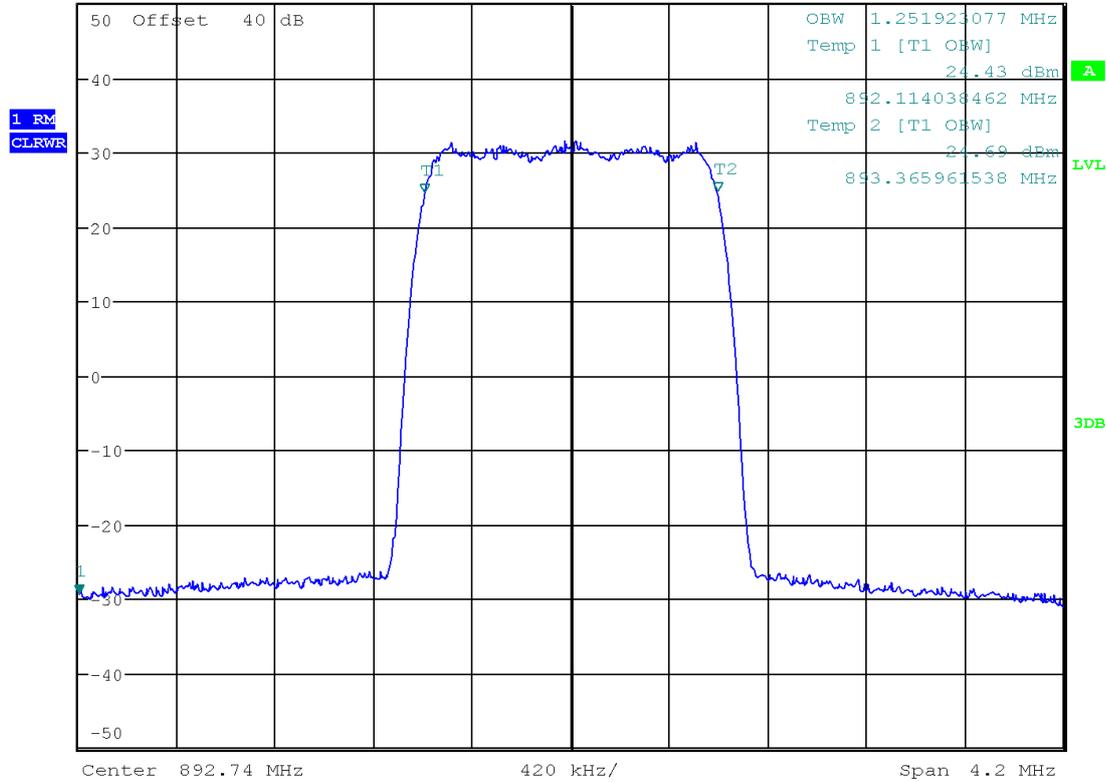
BS,DO,CO :OCC BANDWDT

*RBW 20 kHz
VBW 200 kHz
*SWT 3 s

Marker 1 [T1]
-29.27 dBm
890.640000000 MHz

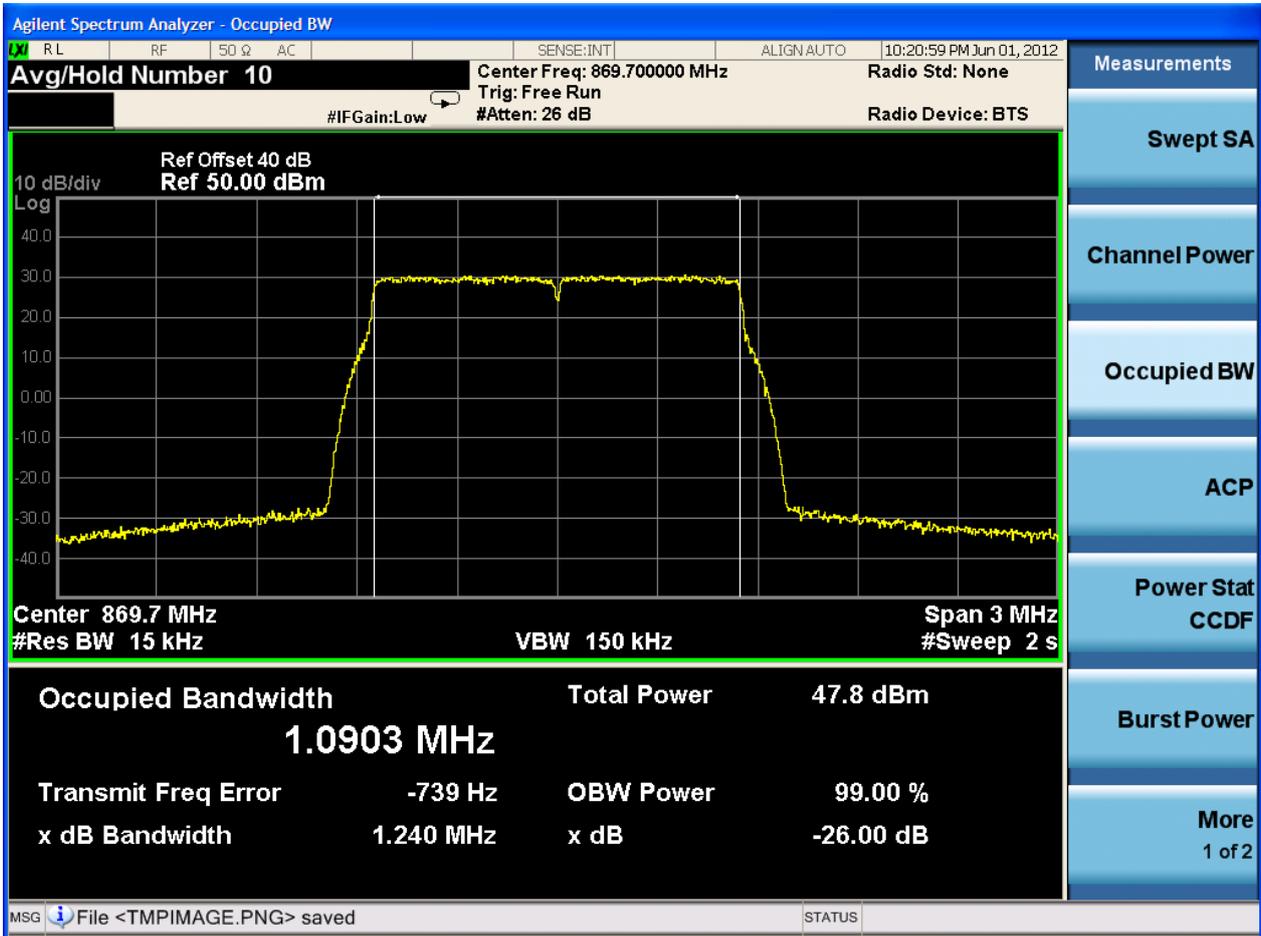
Ref 50 dBm

Att 15 dB



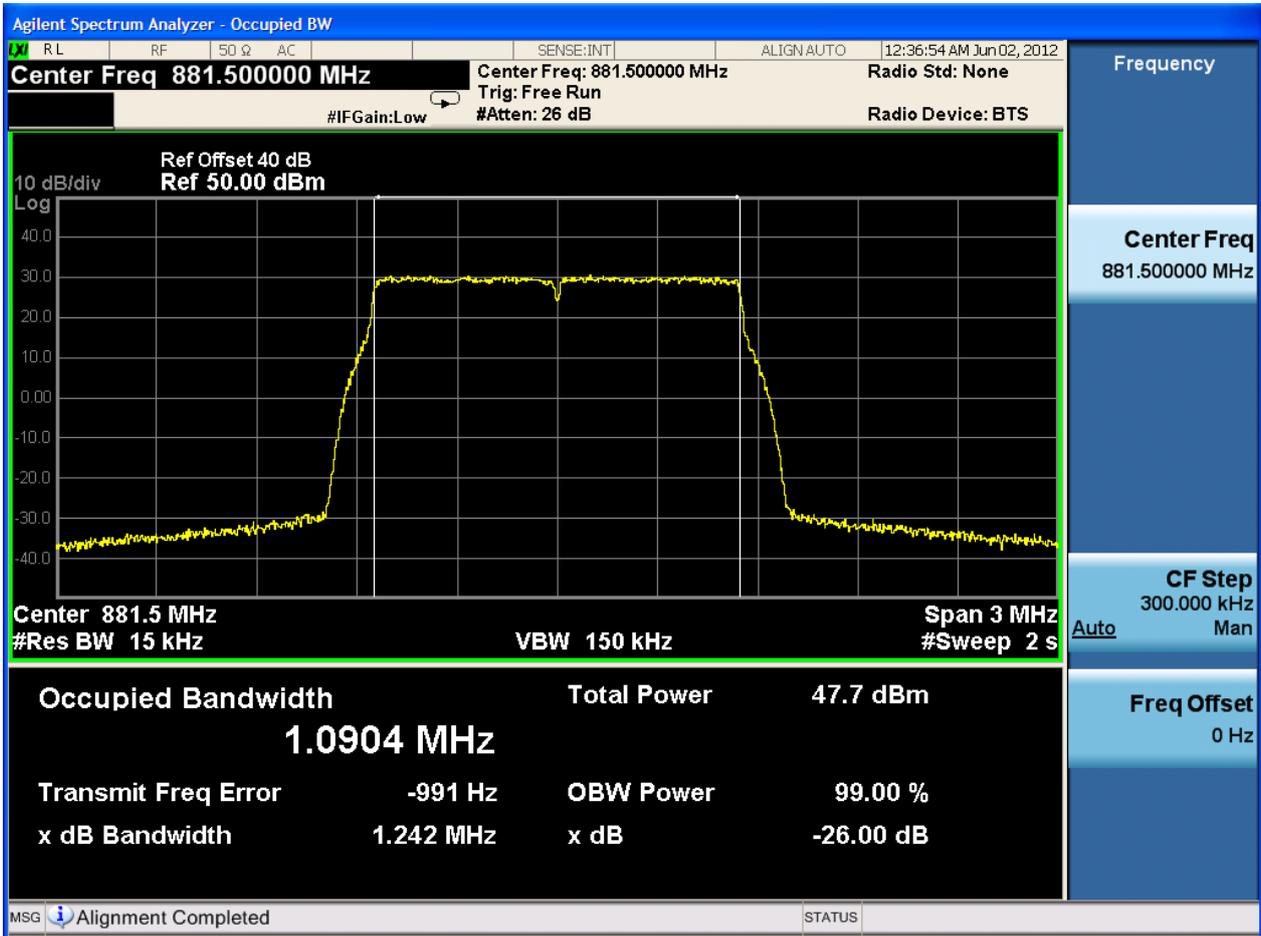
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2.1.7 EUT Conf. 1L_1M4_B

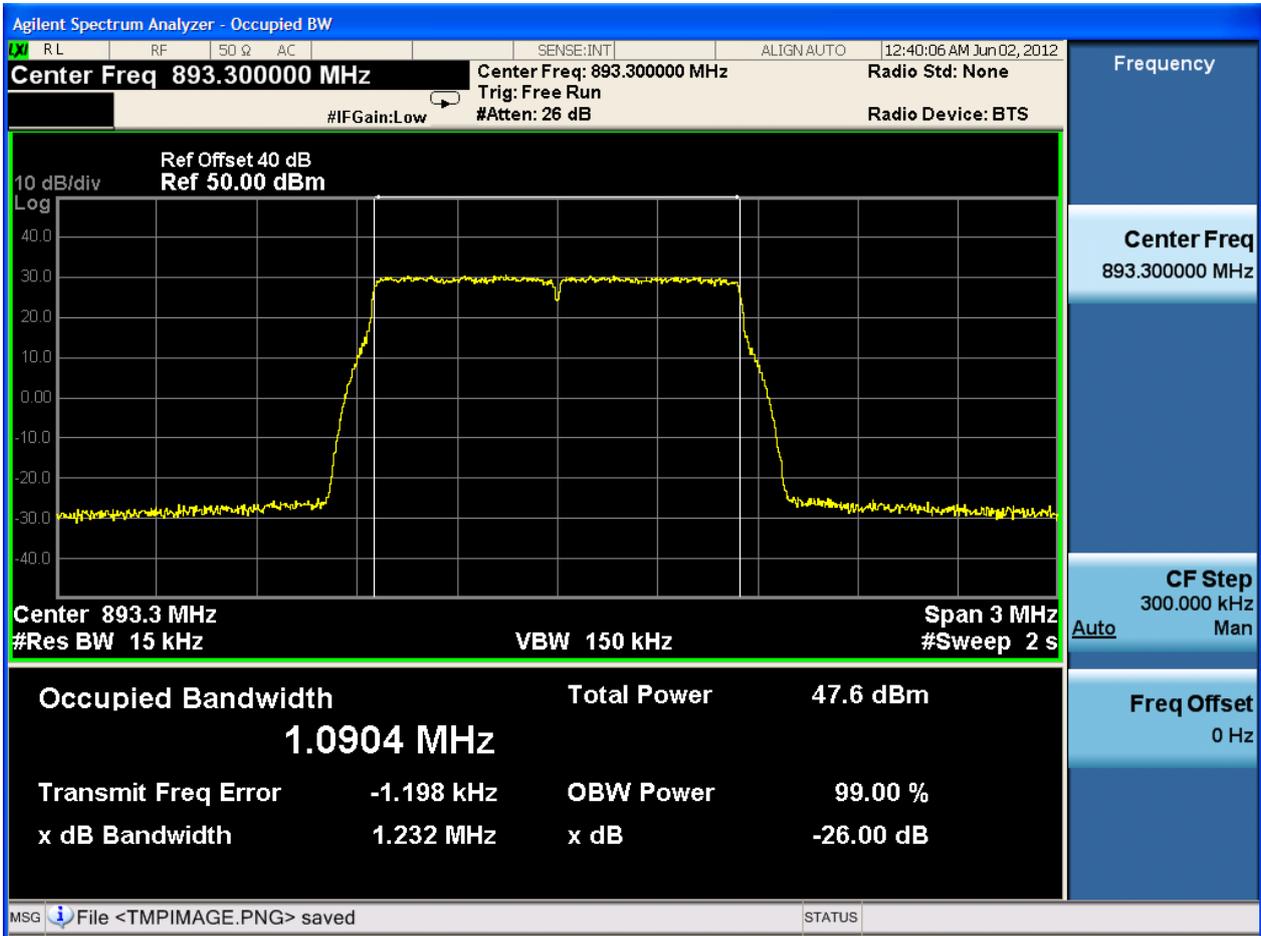




2.1.8 EUT Conf. 1L_1M4_M

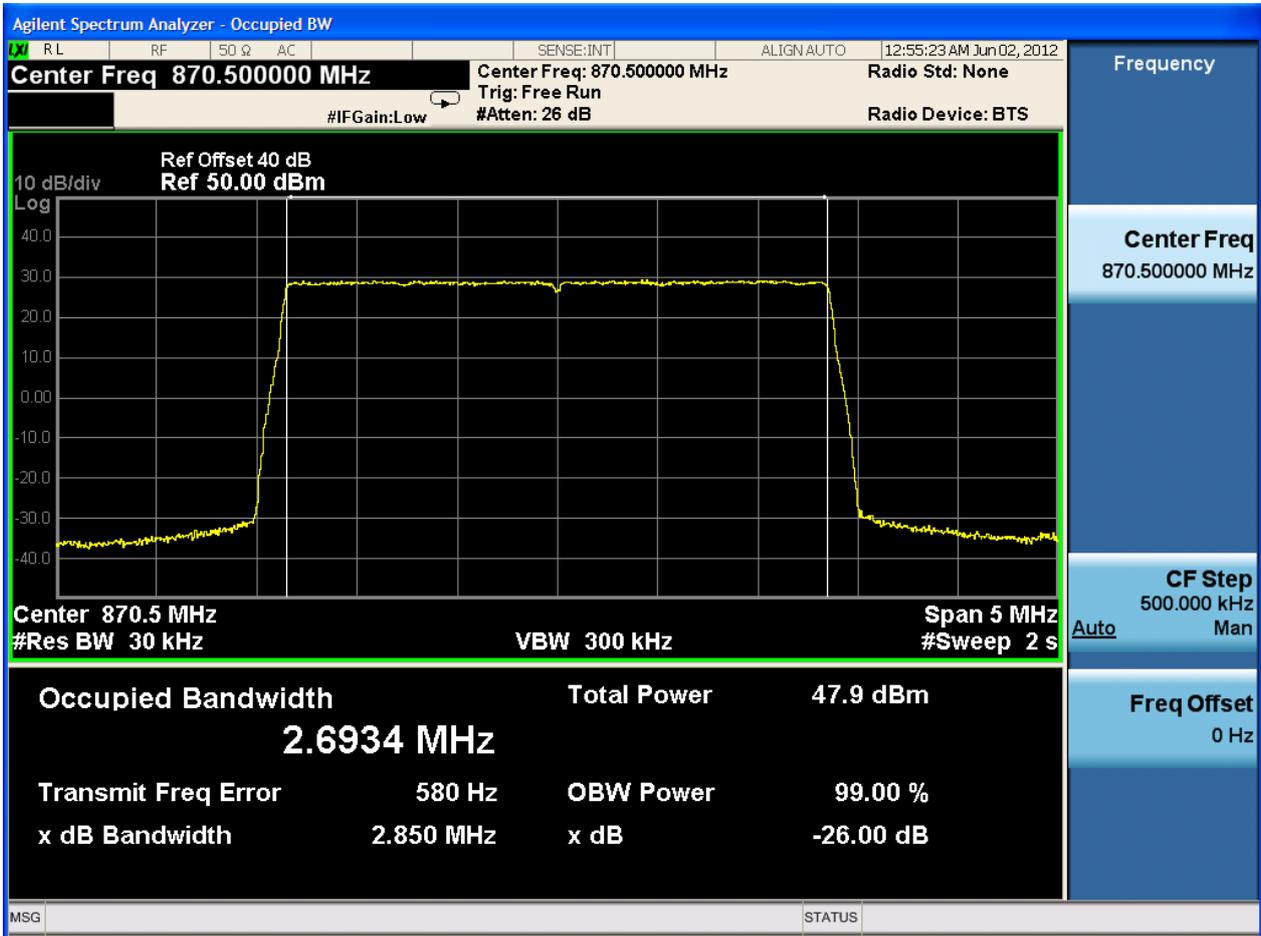


2.1.9 EUT Conf. 1L_1M4_T



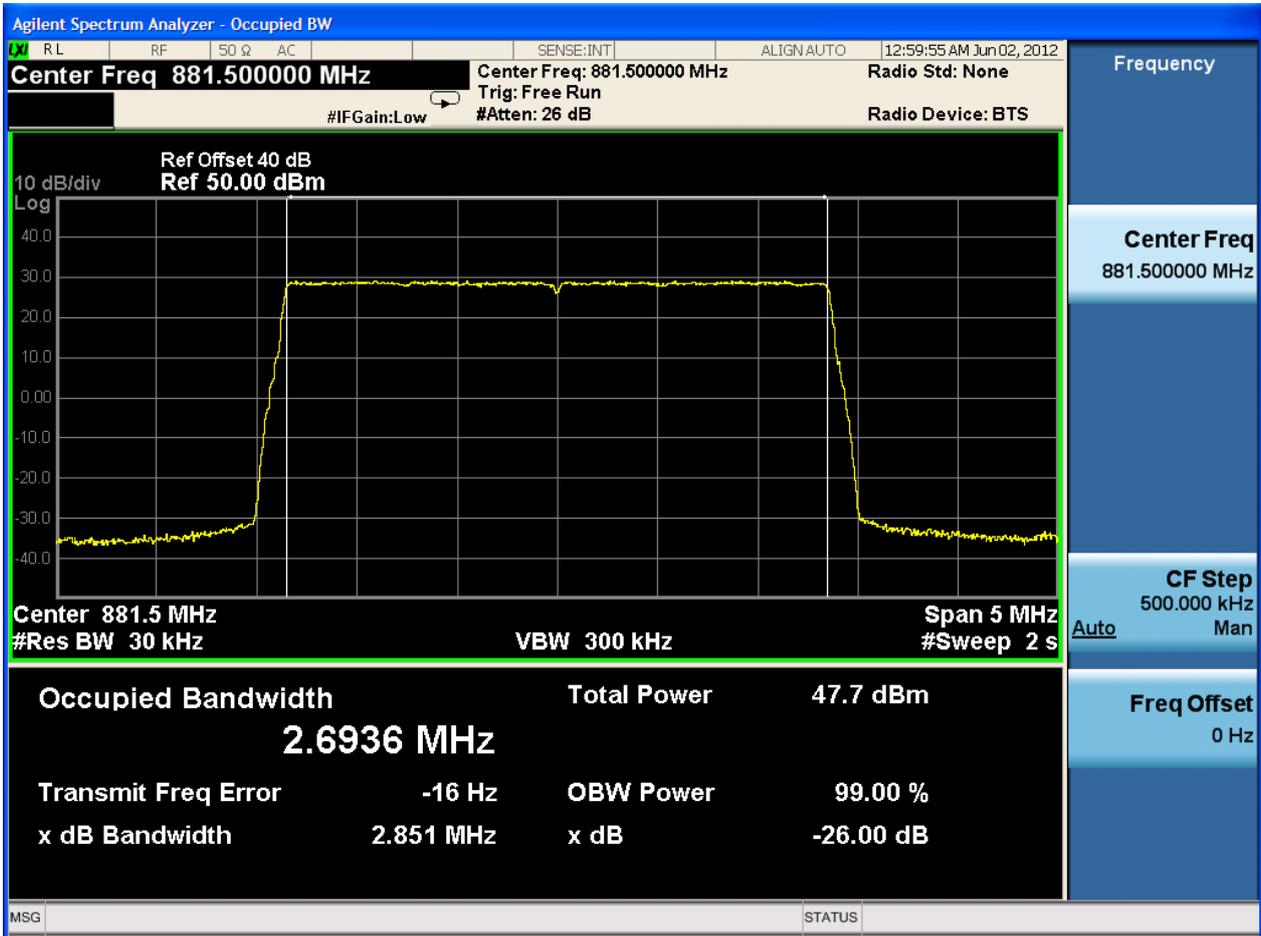


2.1.10 EUT Conf. 1L_3M_B



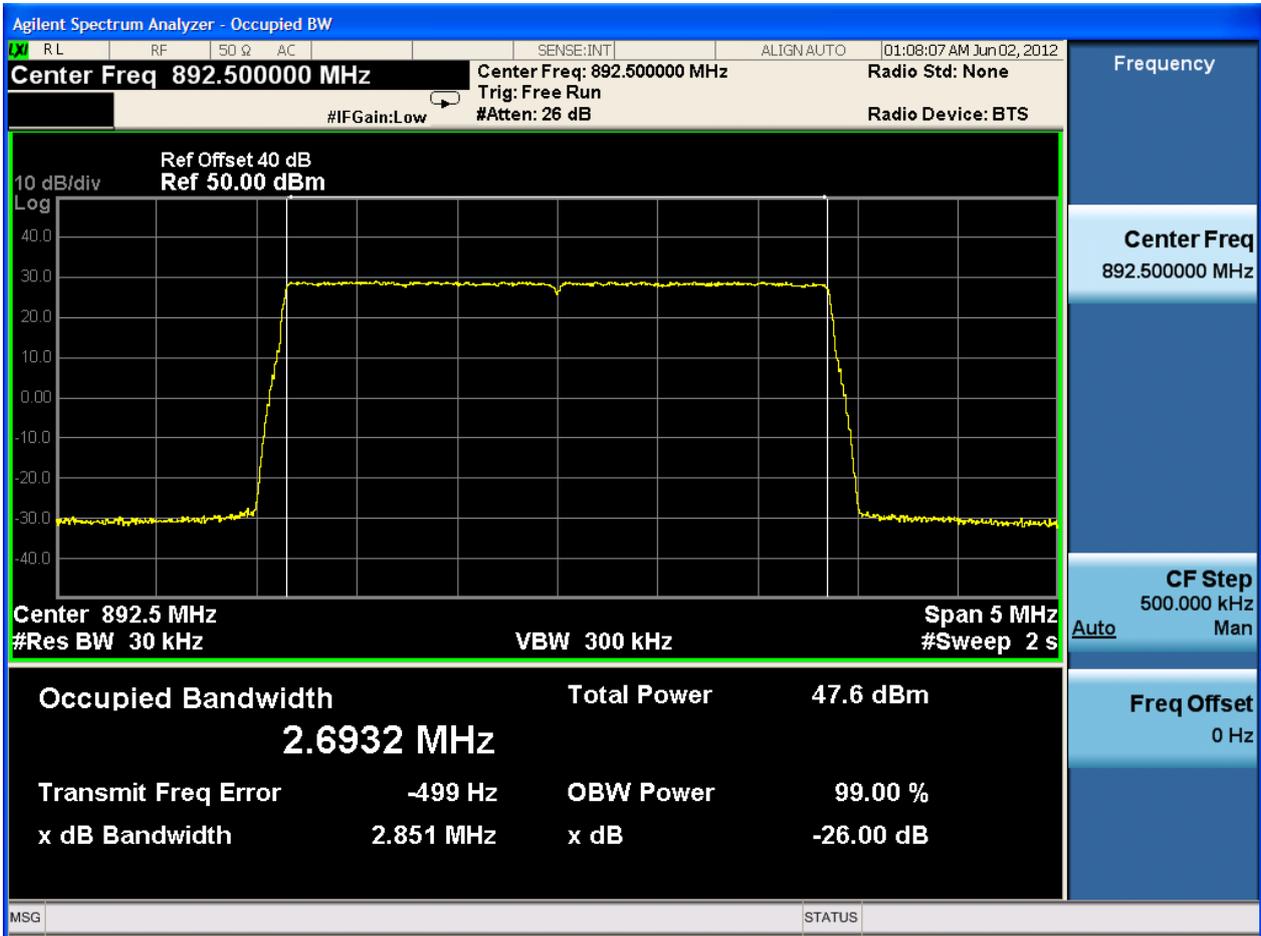


2.1.11 EUT Conf. 1L_3M_M

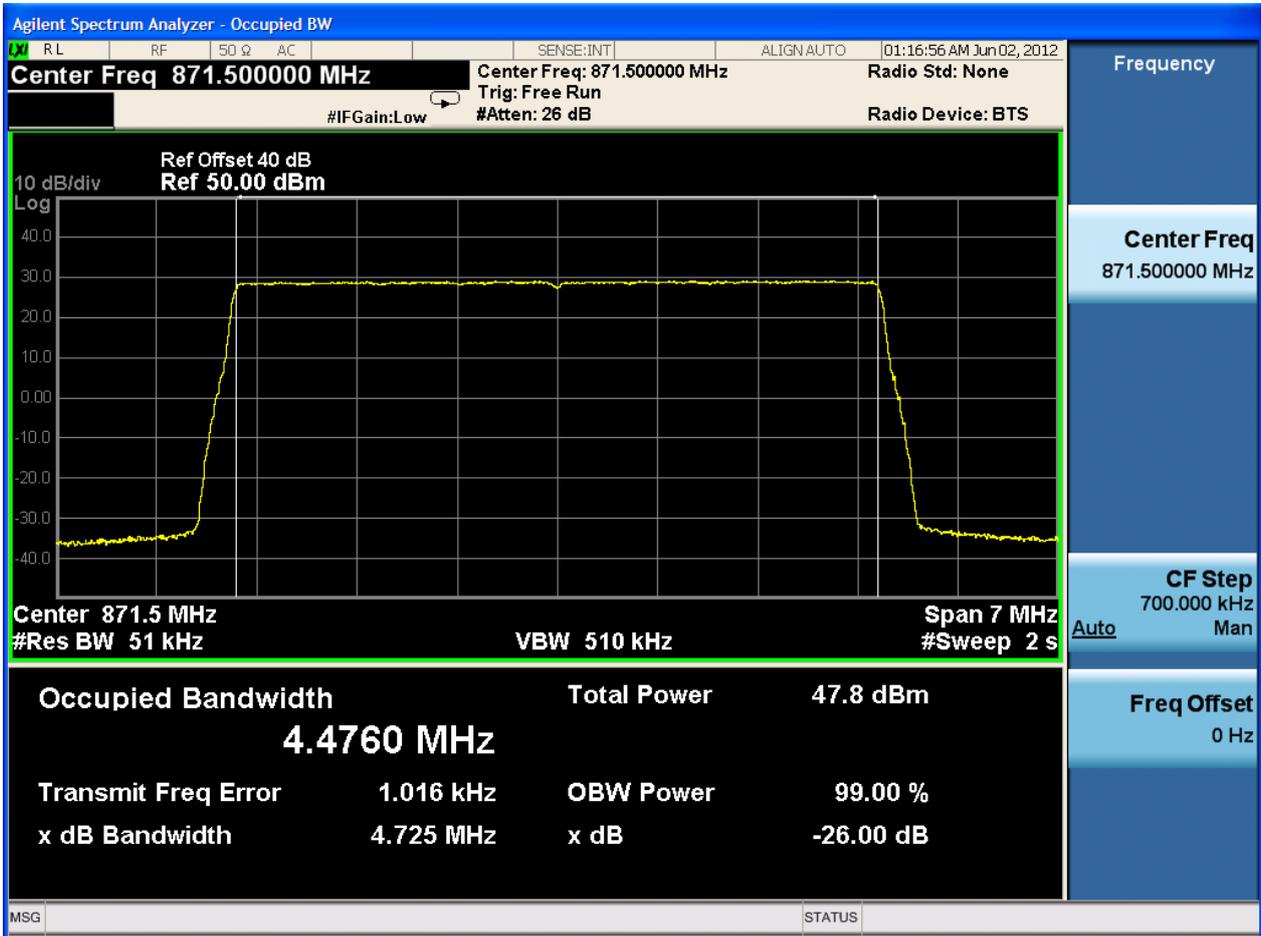




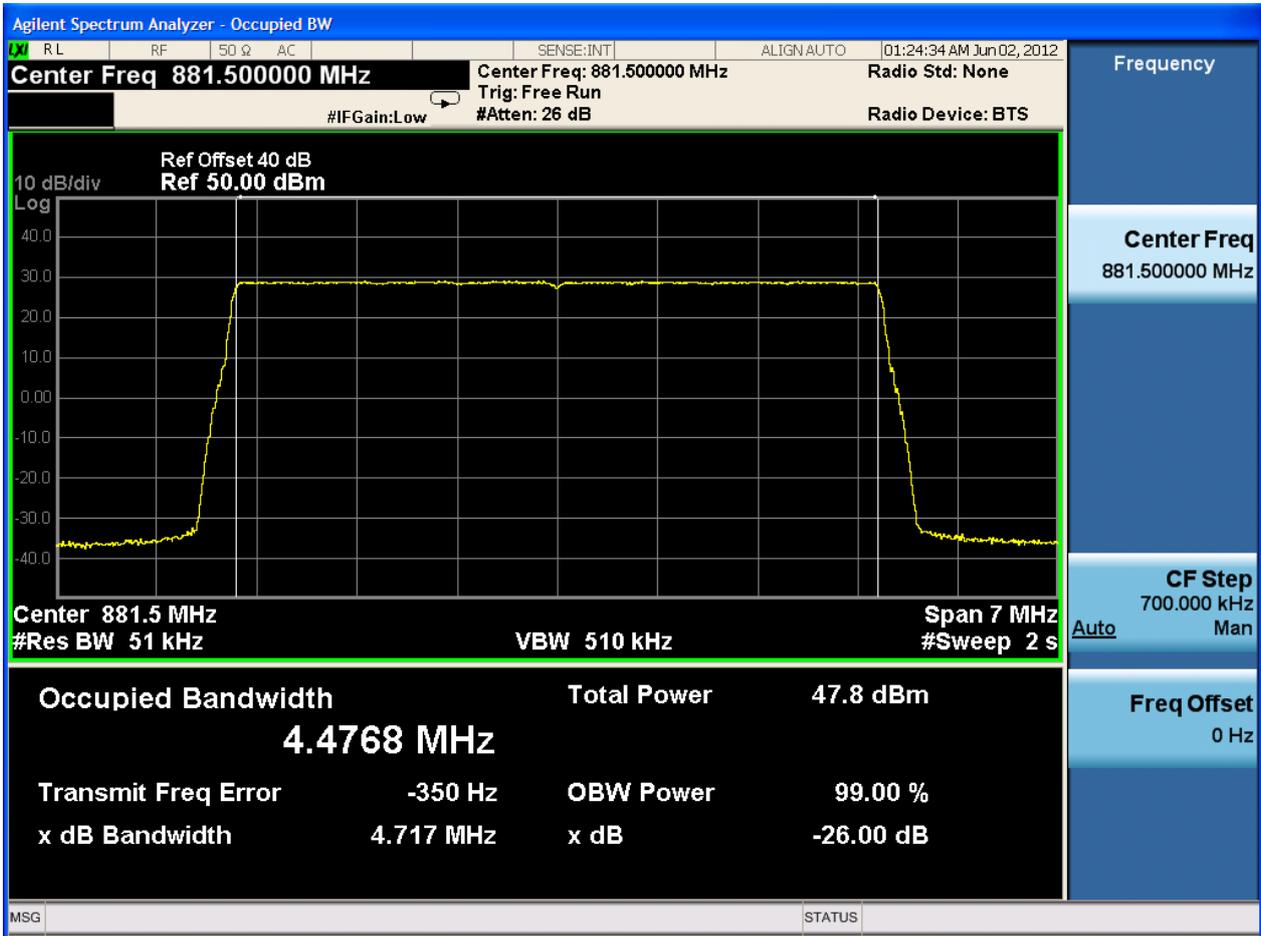
2.1.12 EUT Conf. 1L_3M_T



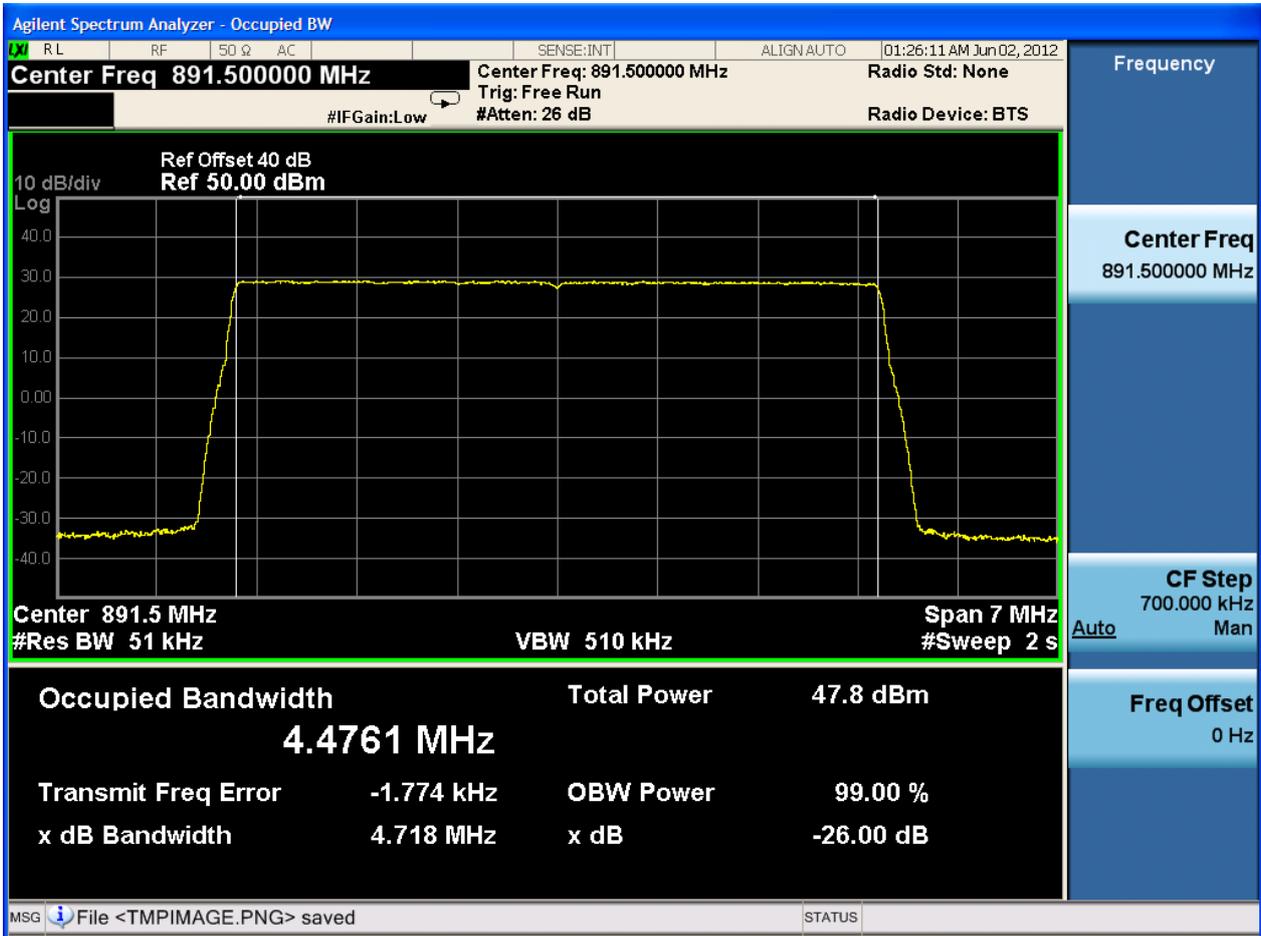
2.1.13 EUT Conf. 1L_5M_B



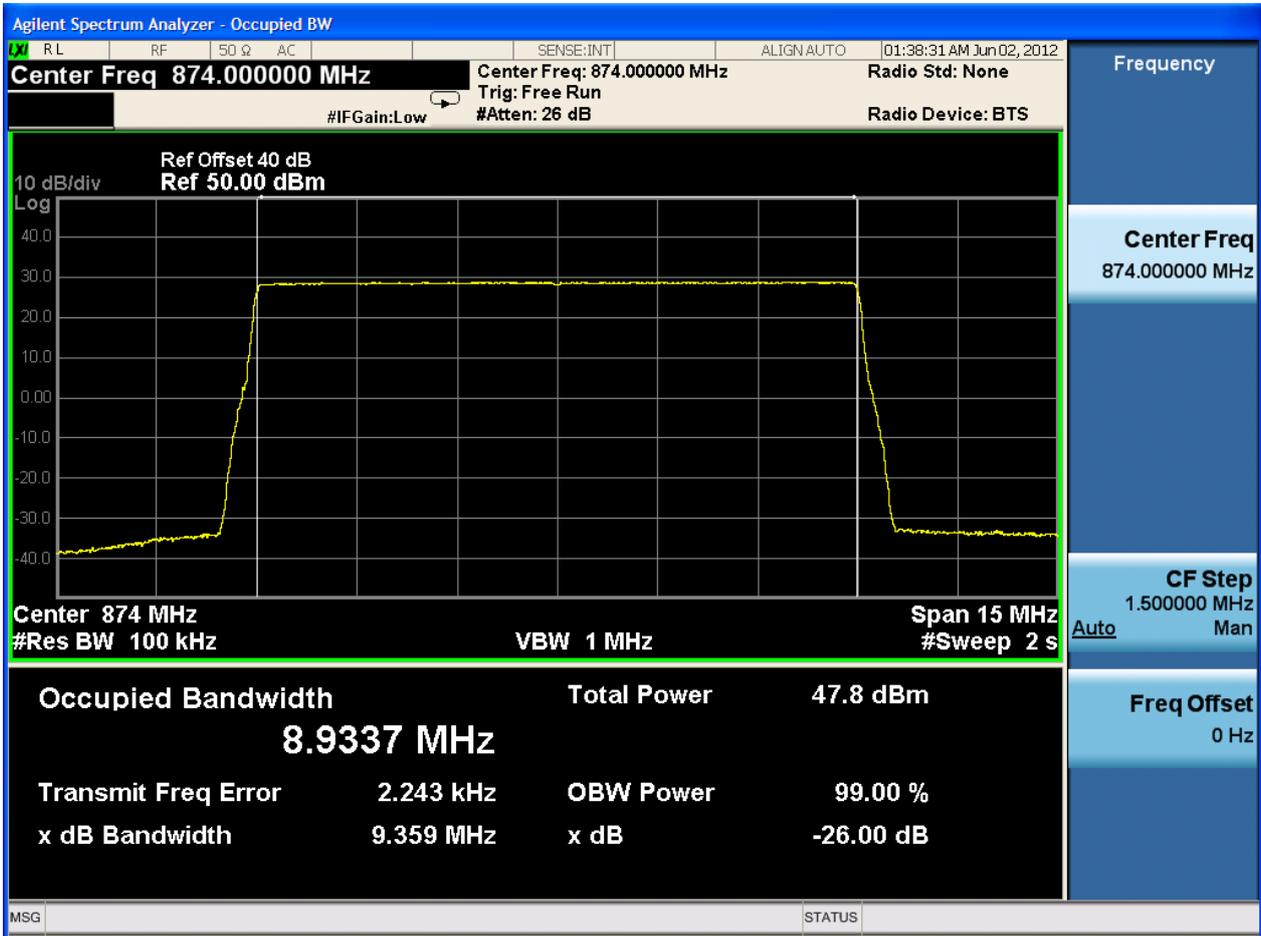
2.1.14 EUT Conf. 1L_5M_M



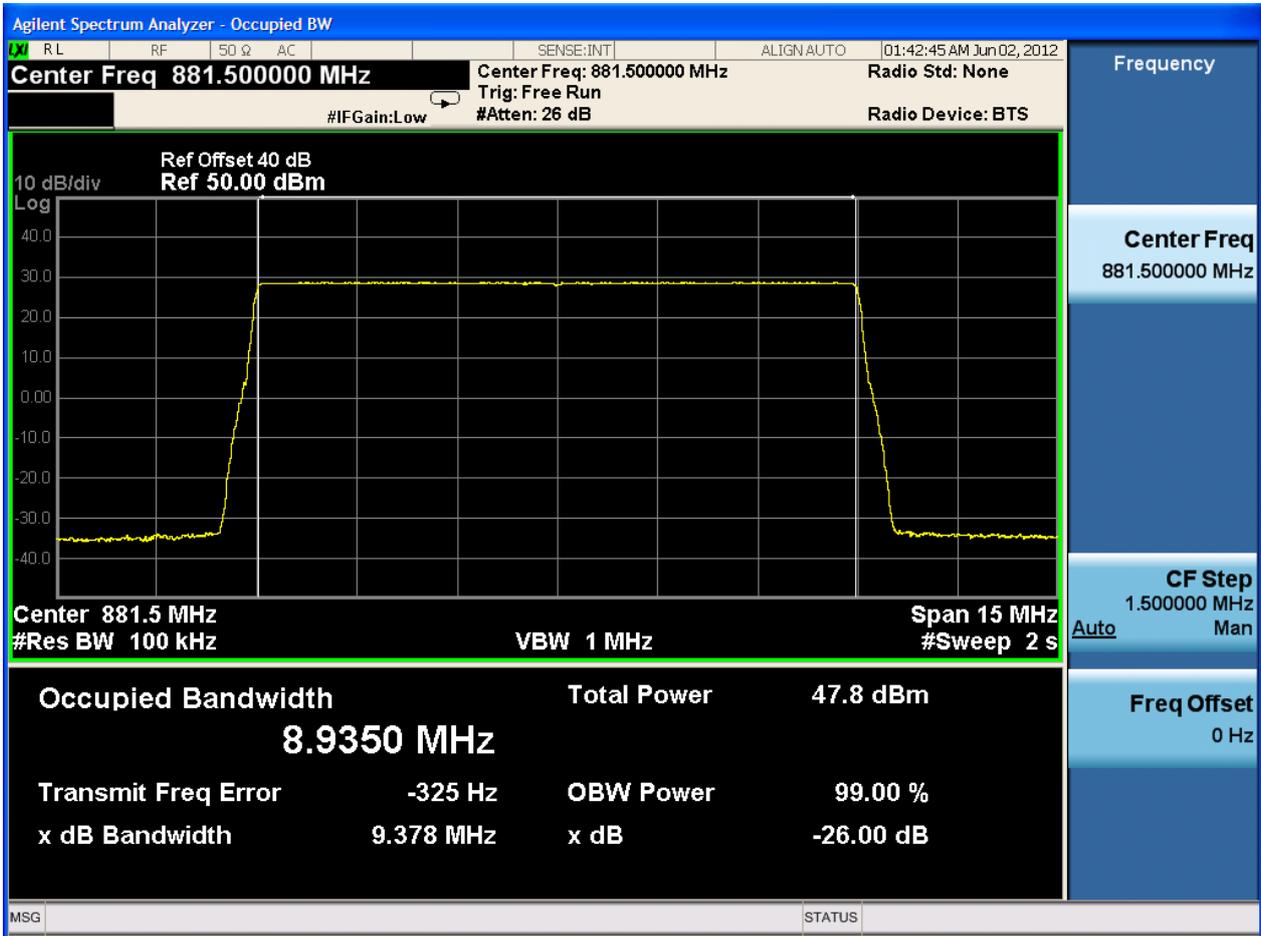
2.1.15 EUT Conf. 1L_5M_T



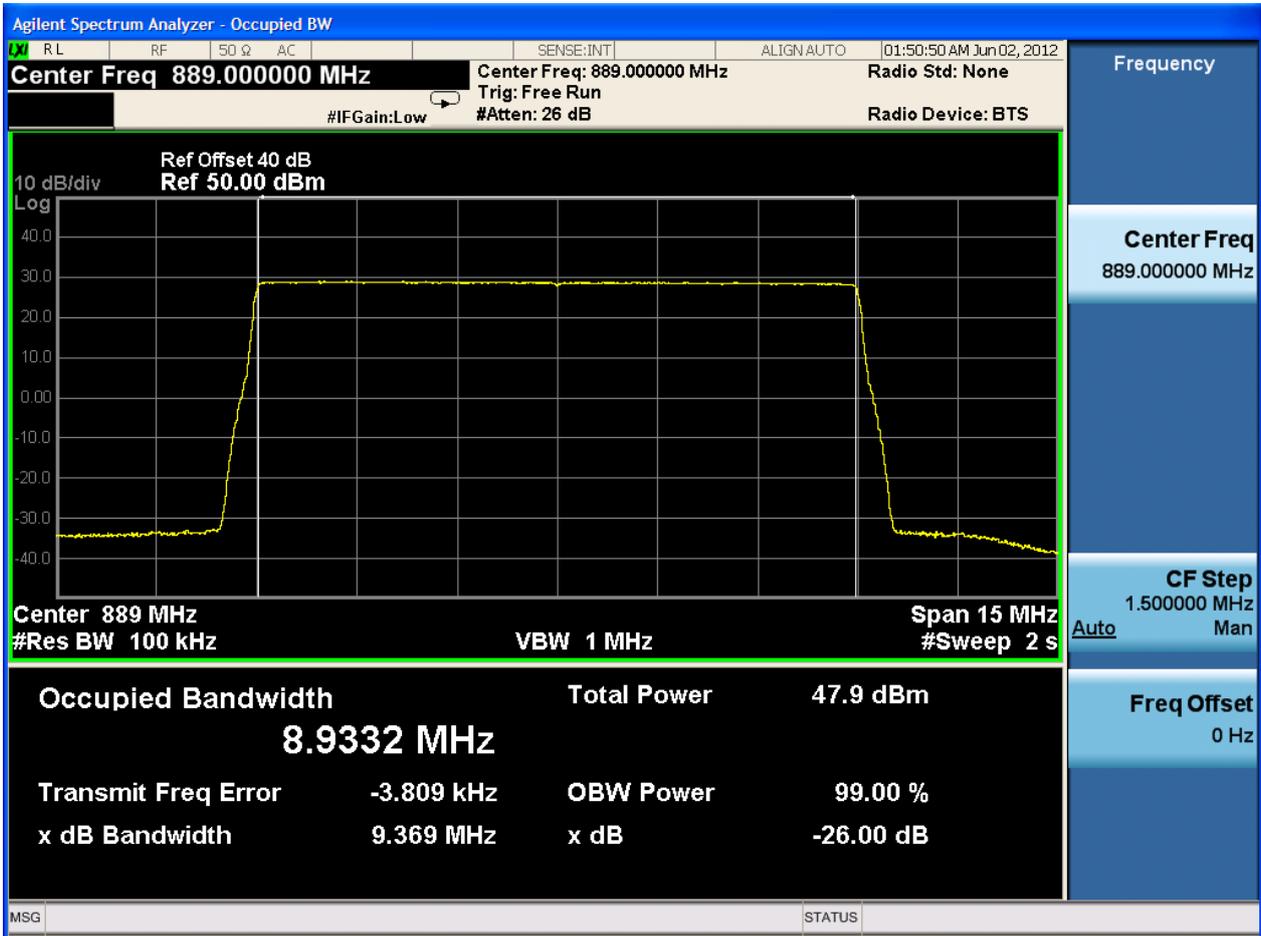
2.1.16 EUT Conf. 1L_10M_B



2.1.17 EUT Conf. 1L_10M_M

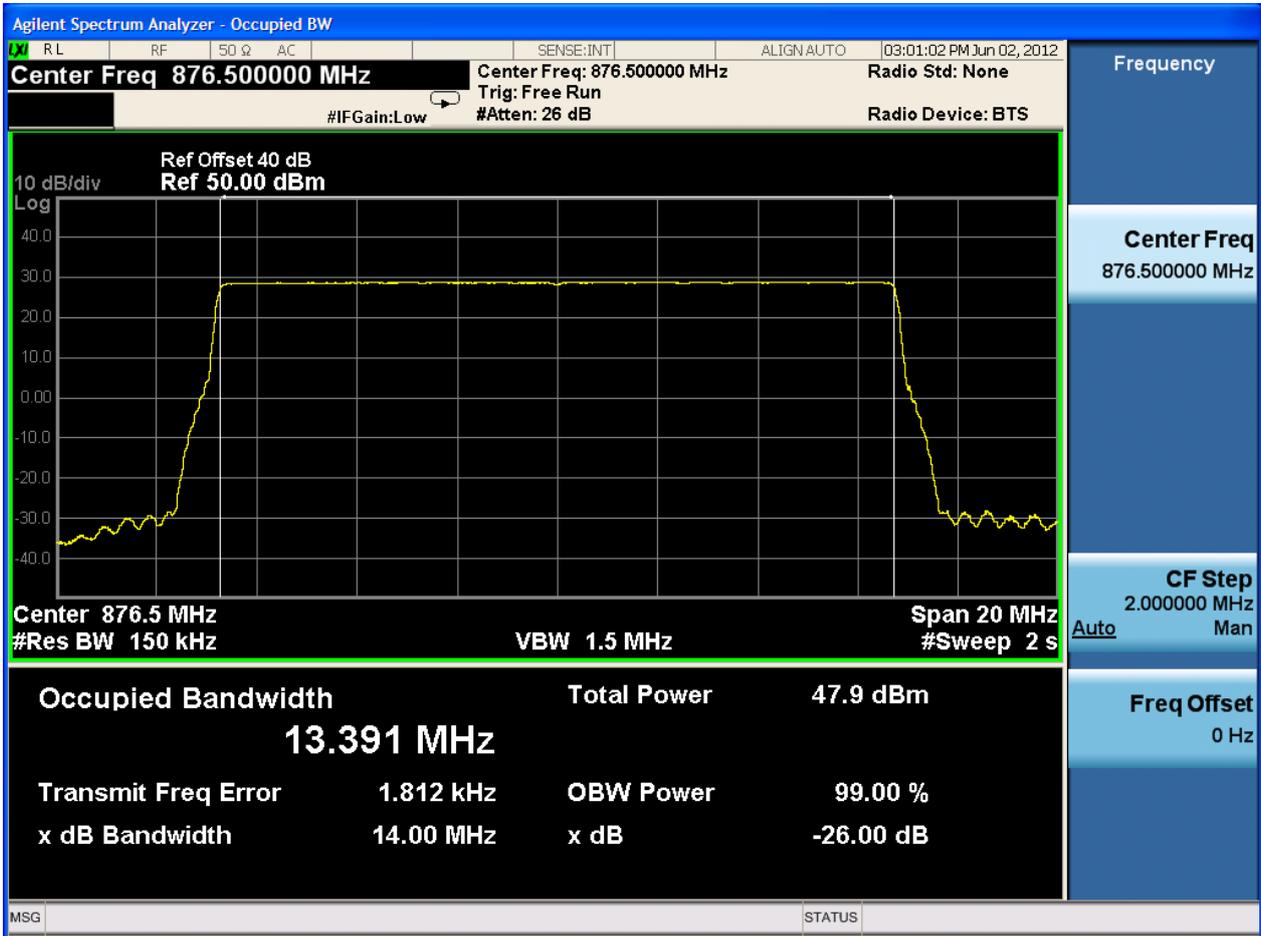


2.1.18 EUT Conf. 1L_10M_T



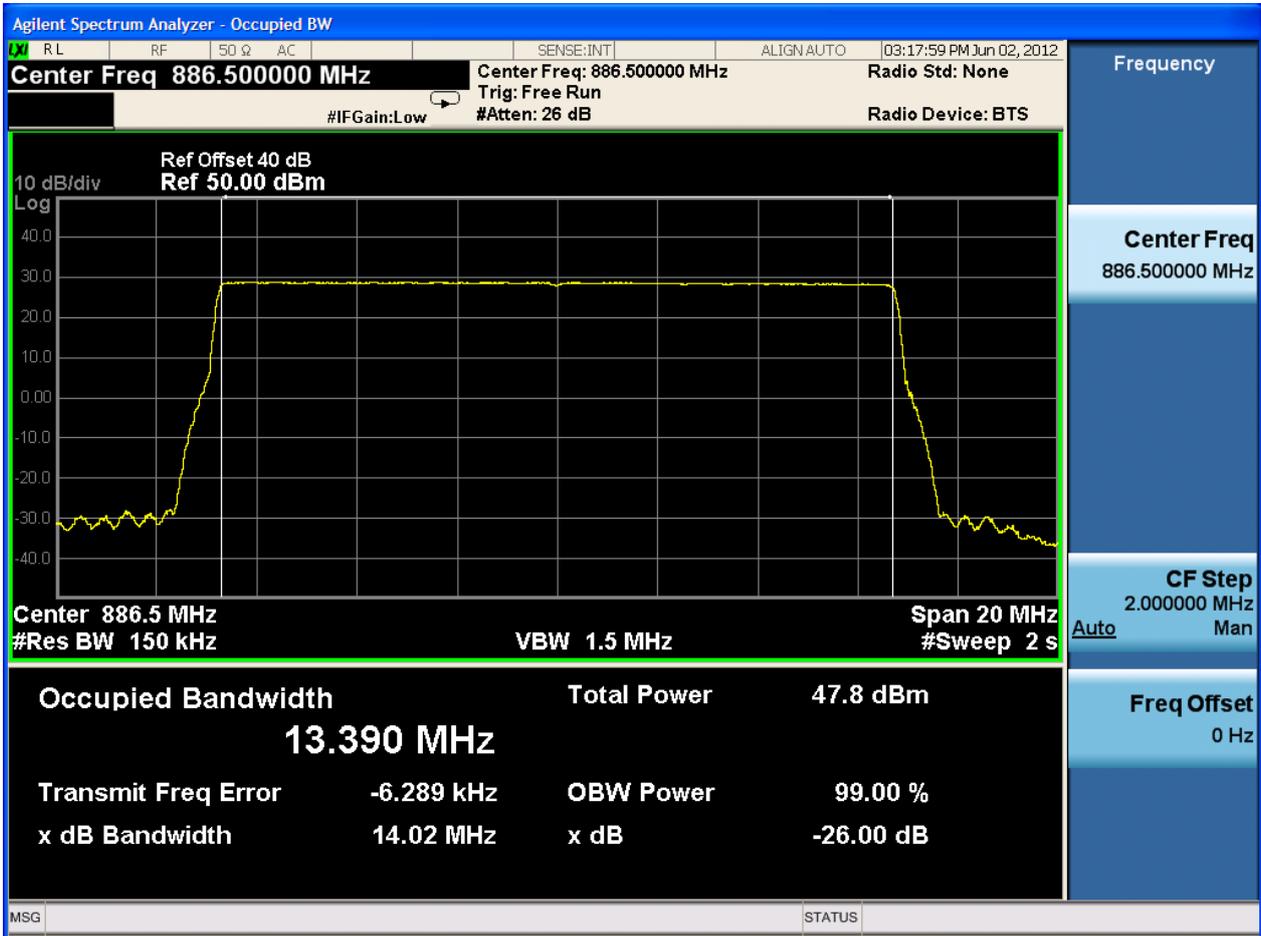


2.1.19 EUT Conf. 1L_15M_B



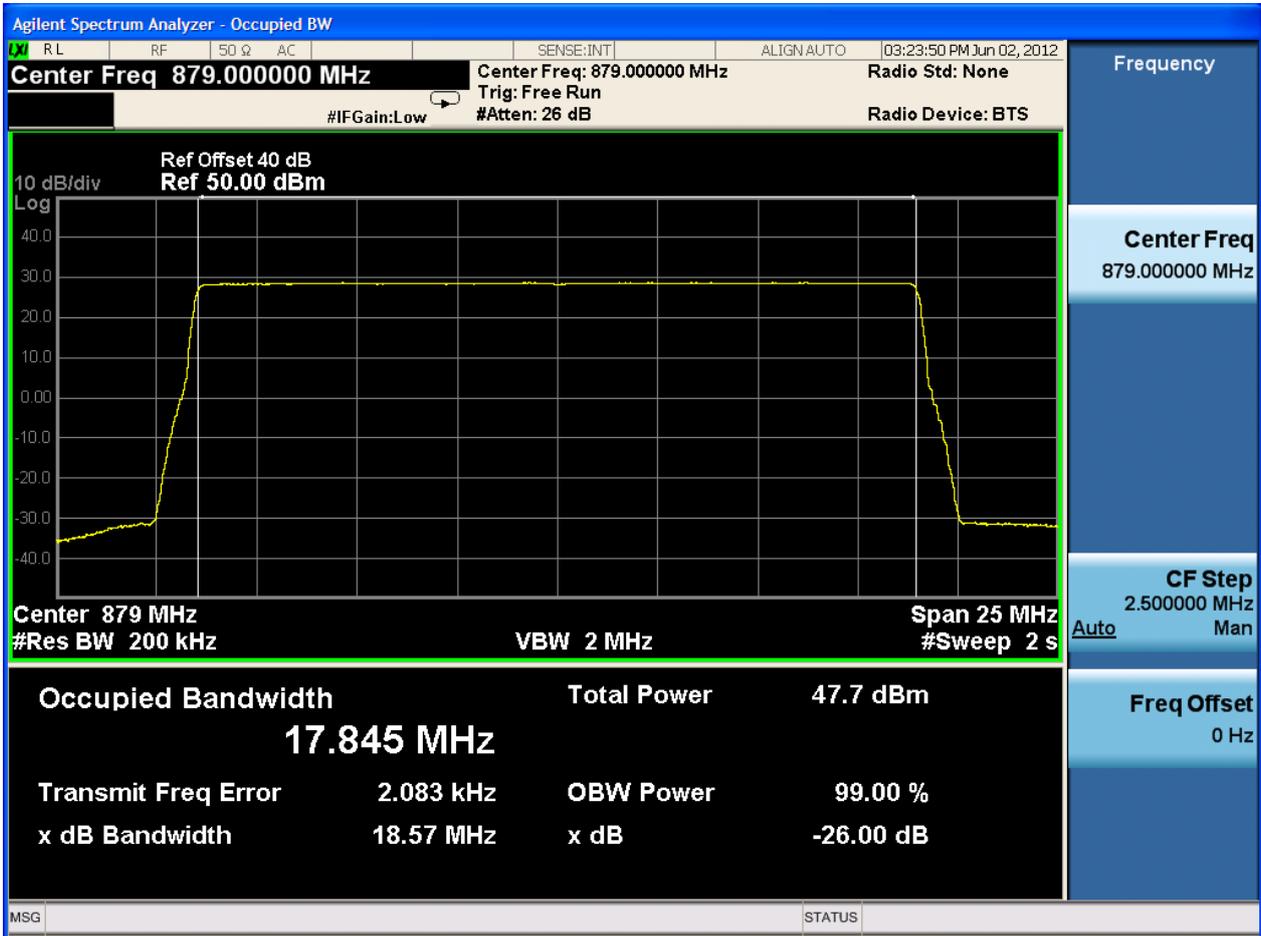


2.1.20 EUT Conf. 1L_15M_T

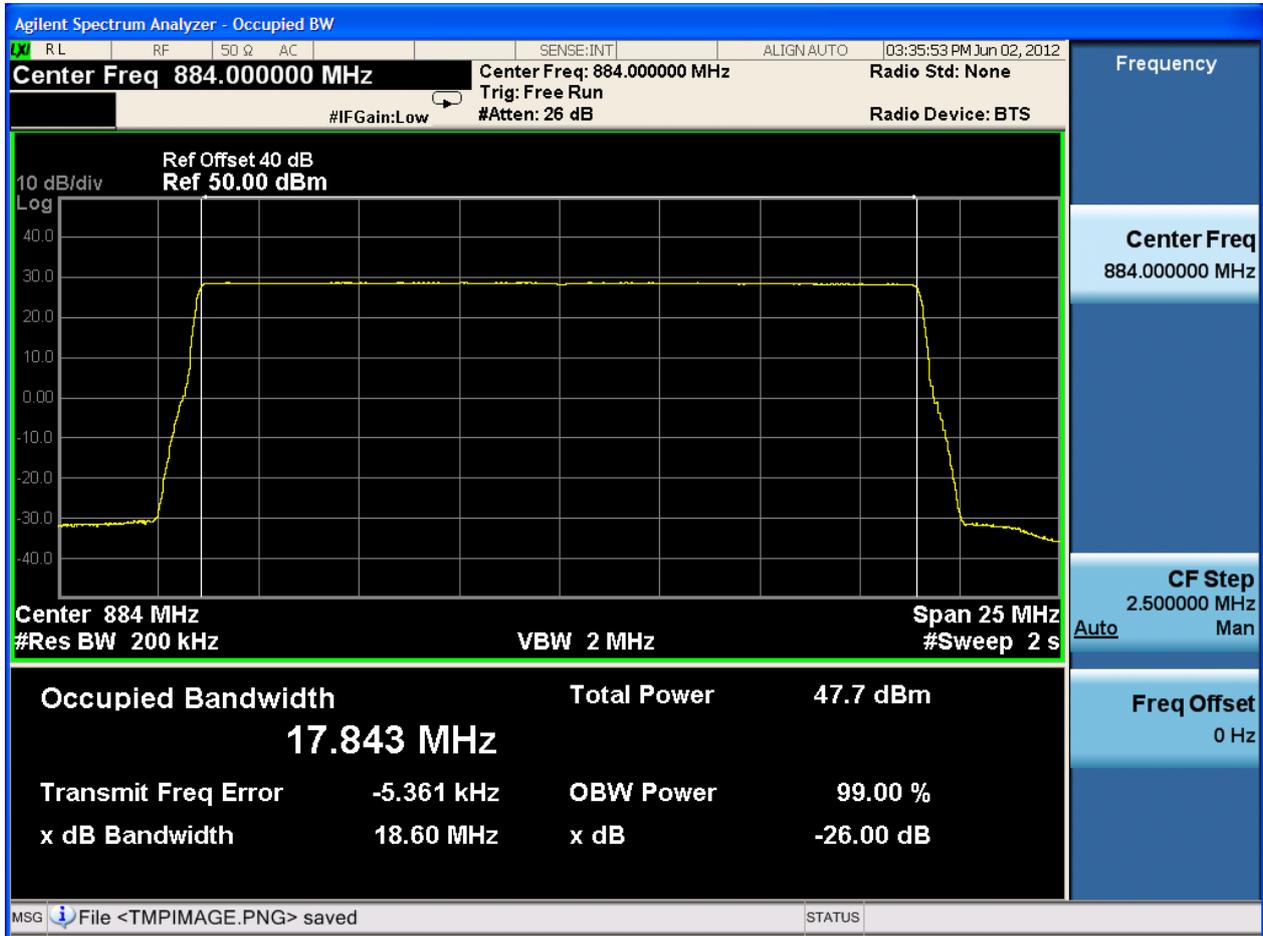




2.1.21 EUT Conf. 1L_20M_B



2.1.22 EUT Conf. 1L_20M_T



2.2 Emission Bandwidth

(Not applicable)



Appendix D: Band Edges Compliance

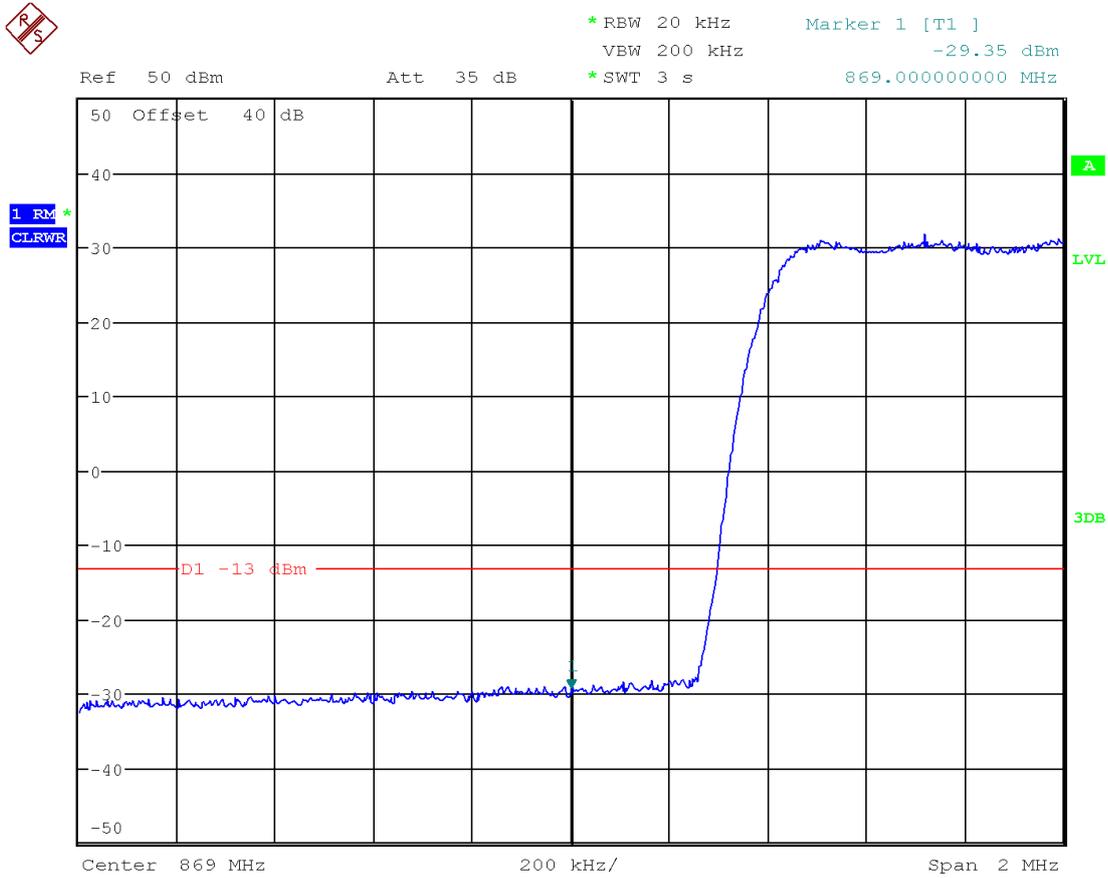
1 Result Table

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
1C_1X_B	<-13	Pass
1C_1X_T	<-13	Pass
4C_1X_B	<-13	Pass
4C_1X_T	<-13	Pass
1C_1XEVD0_B	<-13	Pass
1C_1XEVD0_T	<-13	Pass
4C_1XEVD0_B	<-13	Pass
4C_1XEVD0_T	<-13	Pass
1L_1M4_B	<-13	Pass
1L_1M4_T	<-13	Pass
1L_3M_B	<-13	Pass
1L_3M_T	<-13	Pass
1L_5M_B	<-13	Pass
1L_5M_T	<-13	Pass
1L_10M_B	<-13	Pass
1L_10M_T	<-13	Pass
1L_15M_B	<-13	Pass
1L_15M_T	<-13	Pass
1L_20M_B	<-13	Pass
1L_20M_T	<-13	Pass
3C1L_1XEVD0_1M4_B	<-13	Pass
3C1L_1XEVD0_1M4_T	<-13	Pass
3C1L_1XEVD0_20M_M	<-13	Pass

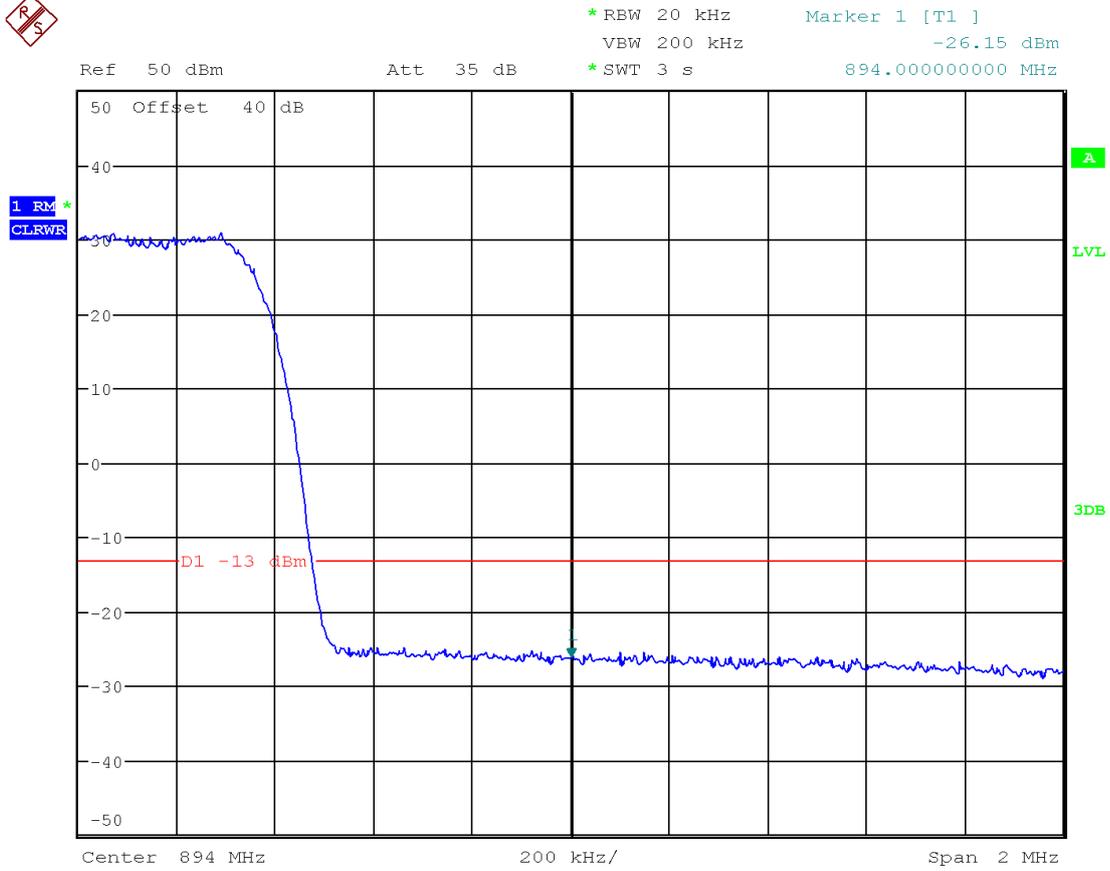
2 Test Plot

2.1 EUT Conf.1C_1X_B



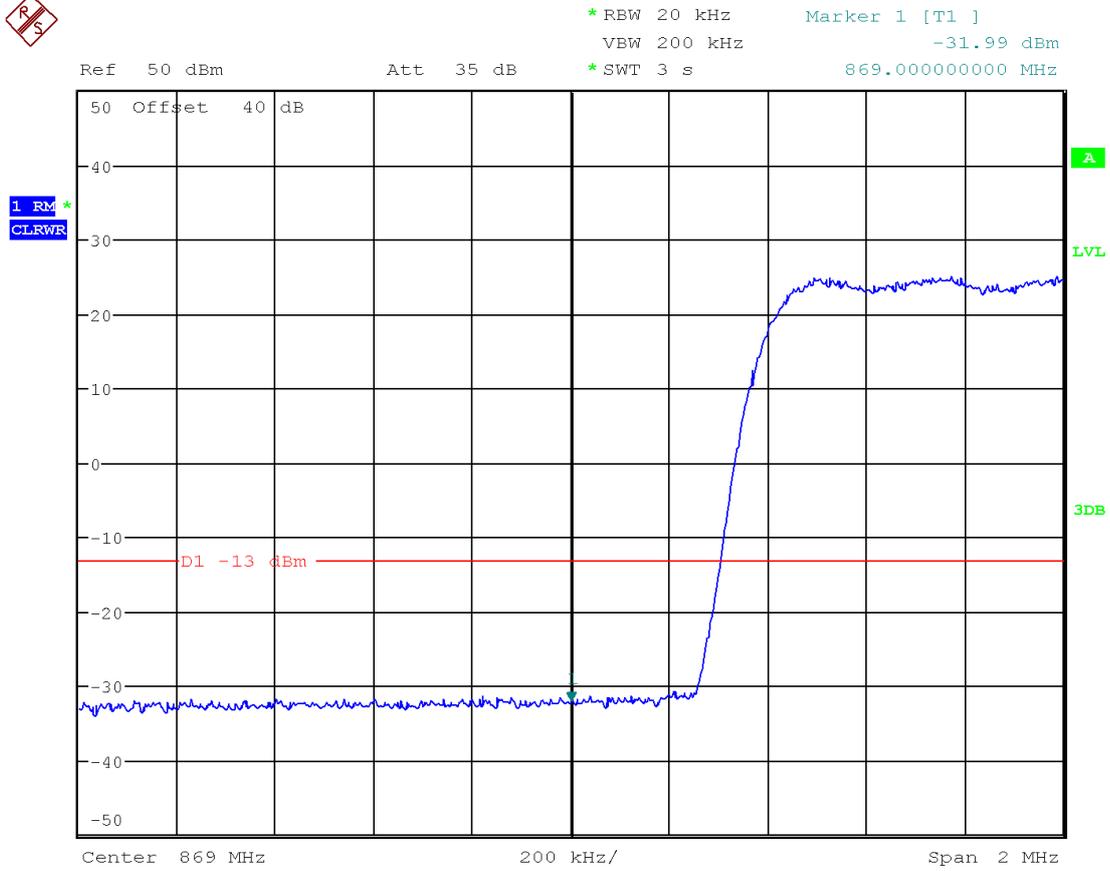
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2.2 EUT Conf.1C_1X_T



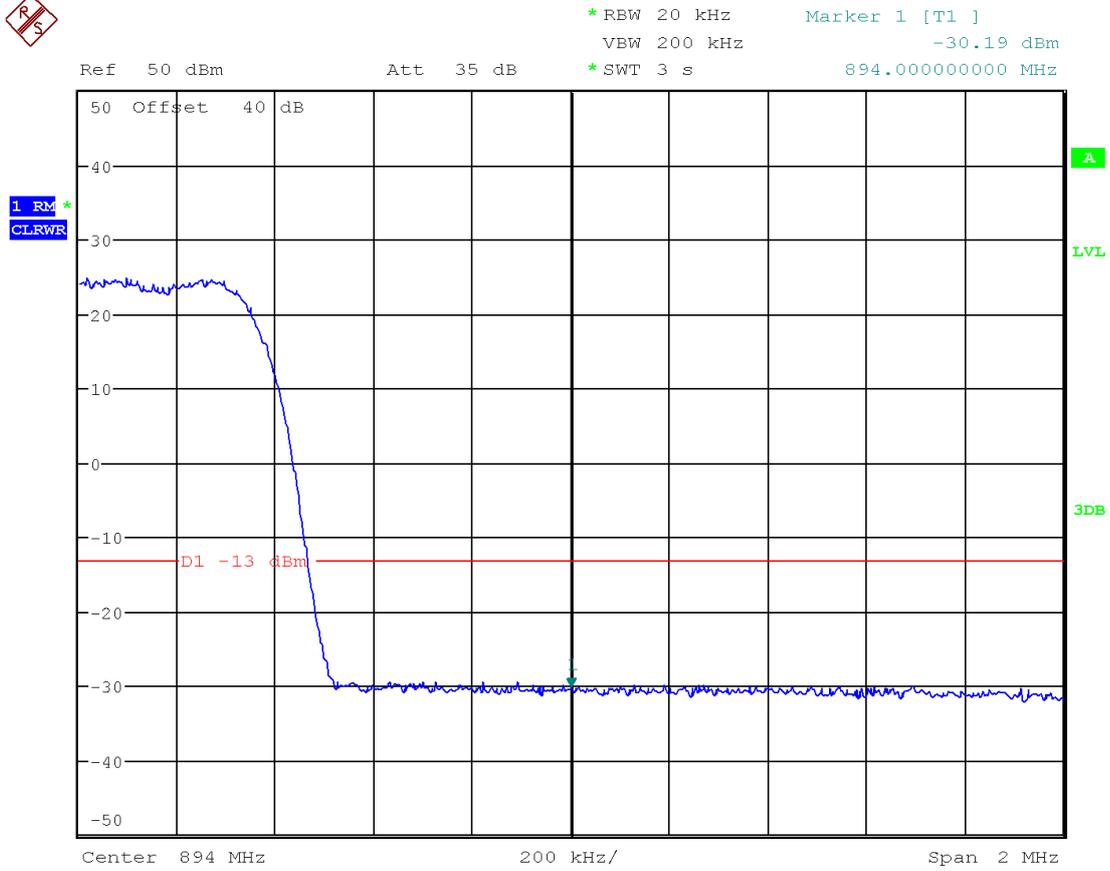
Date: 28.MAY.2012 10:27:45

2.3 EUT Conf.4C_1X_B



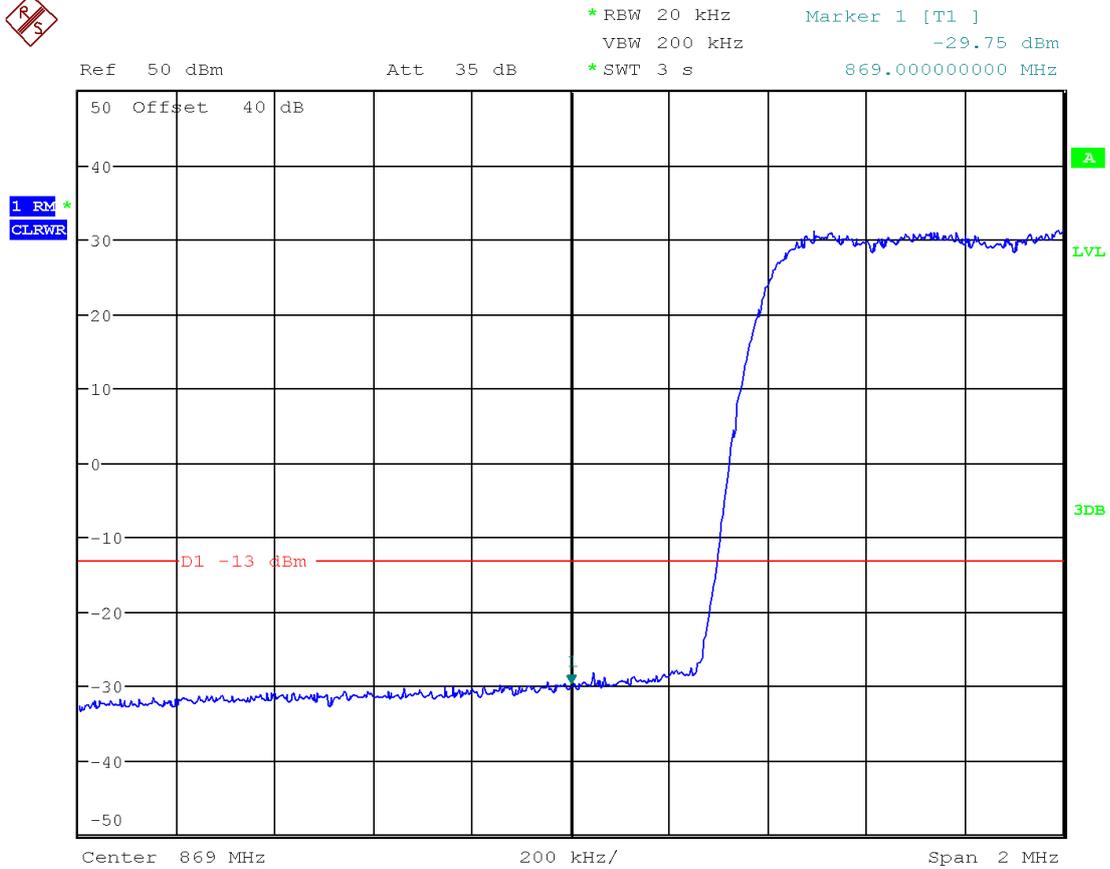
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2.4 EUT Conf.4C_1X_T



Date: 30.MAY.2012 13:15:06

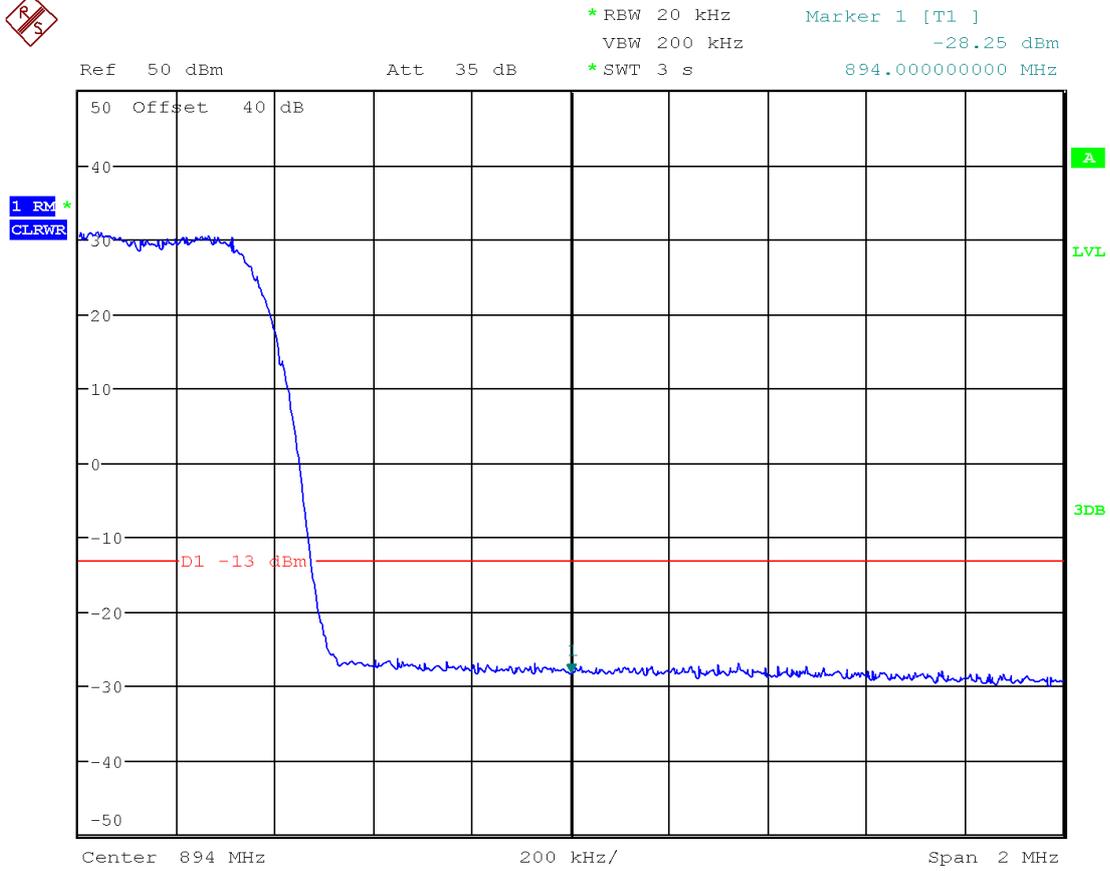
2.5 EUT Conf. 1C_1XEVD0_B



Date: 5.JUN.2012 14:37:46

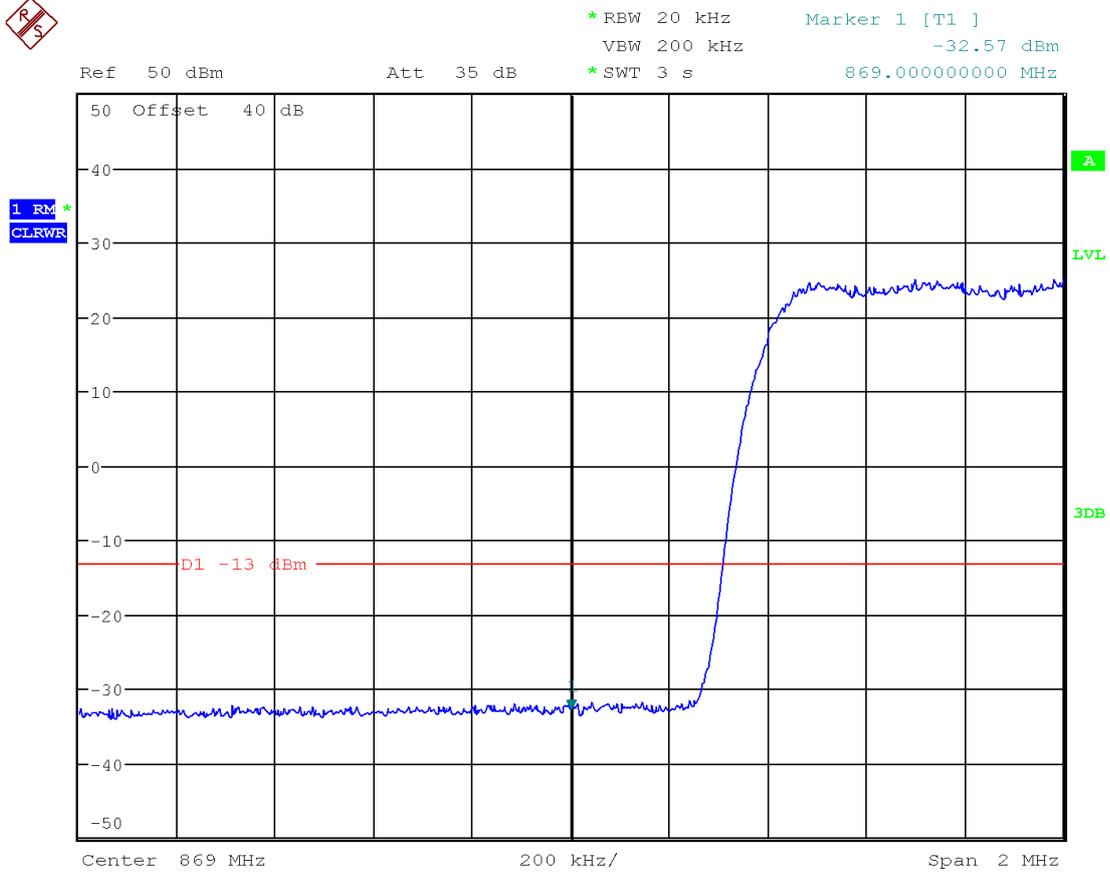


2.6 EUT Conf. 1C_1XEVD0_T



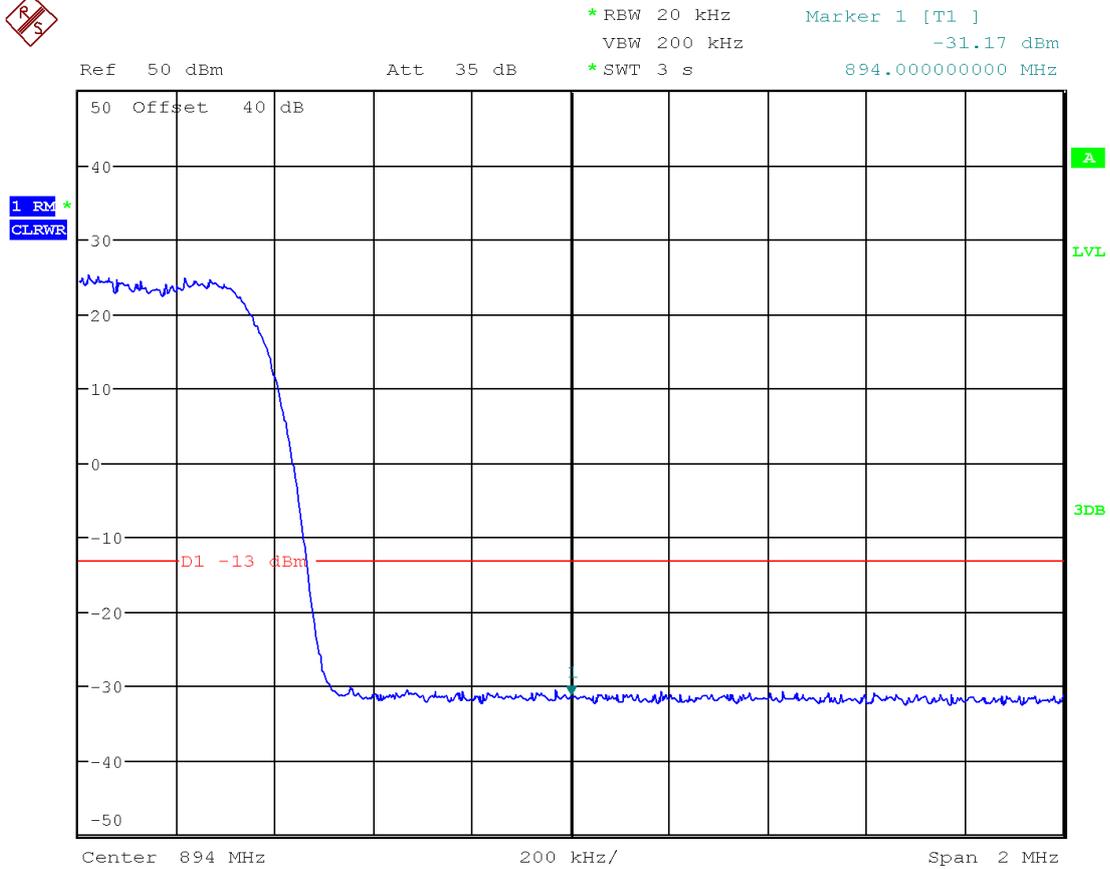
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2.7 EUT Conf. 4C_1XEVD0_B



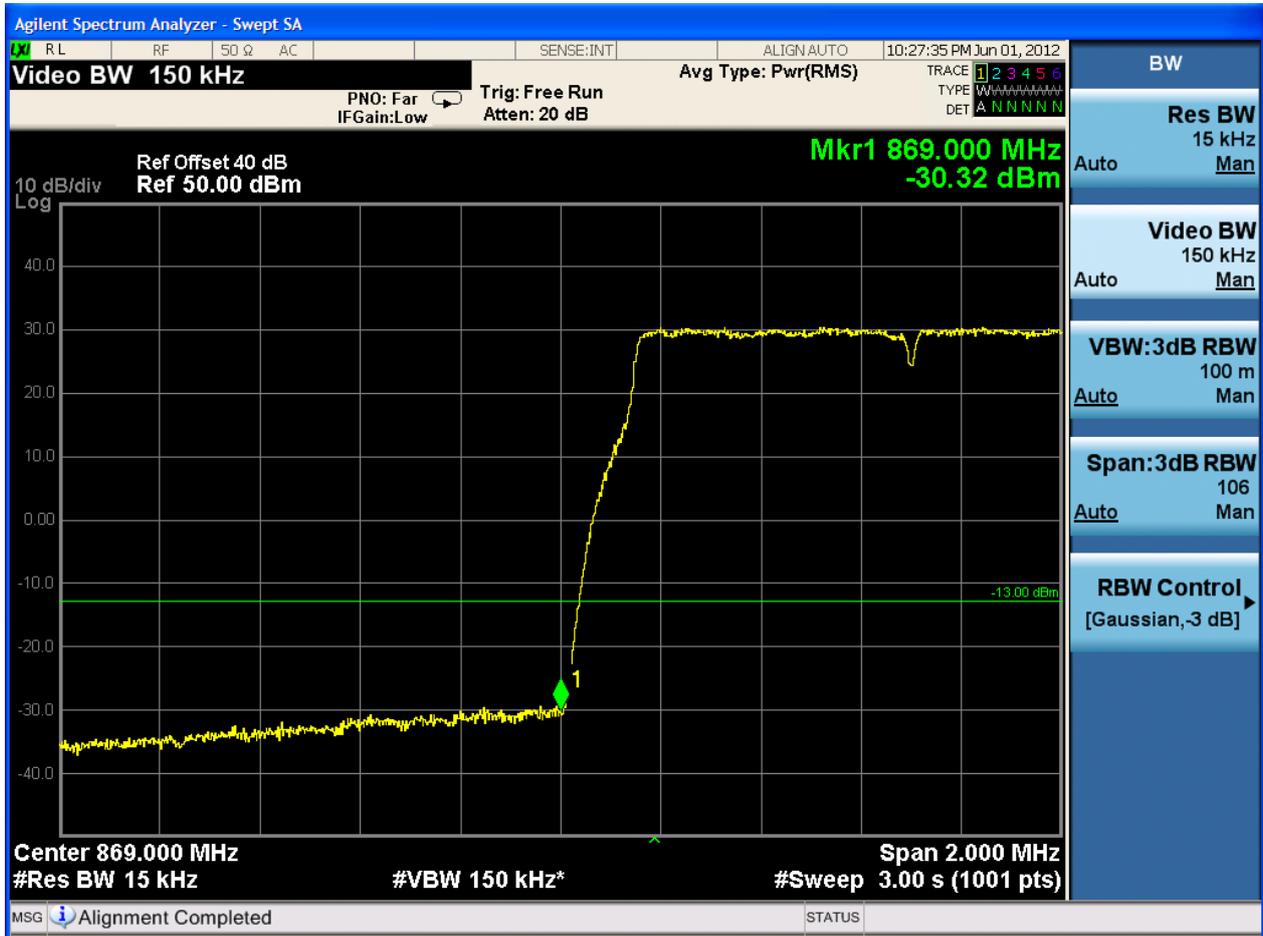
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2.8 EUT Conf. 4C_1XEVD0_T

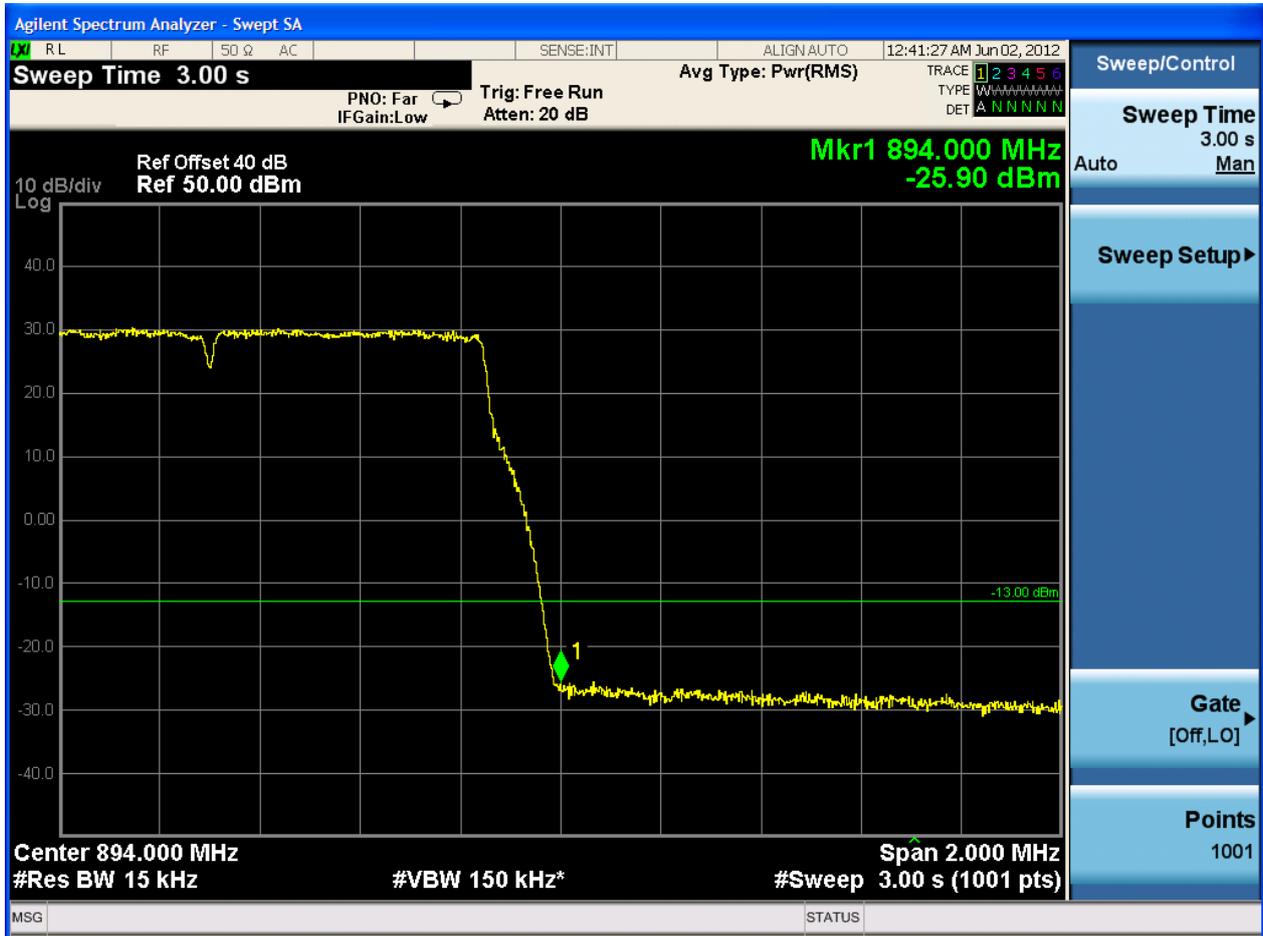


Date: 5.JUN.2012 13:13:48

2.9 EUT Conf. 1L_1M4_B

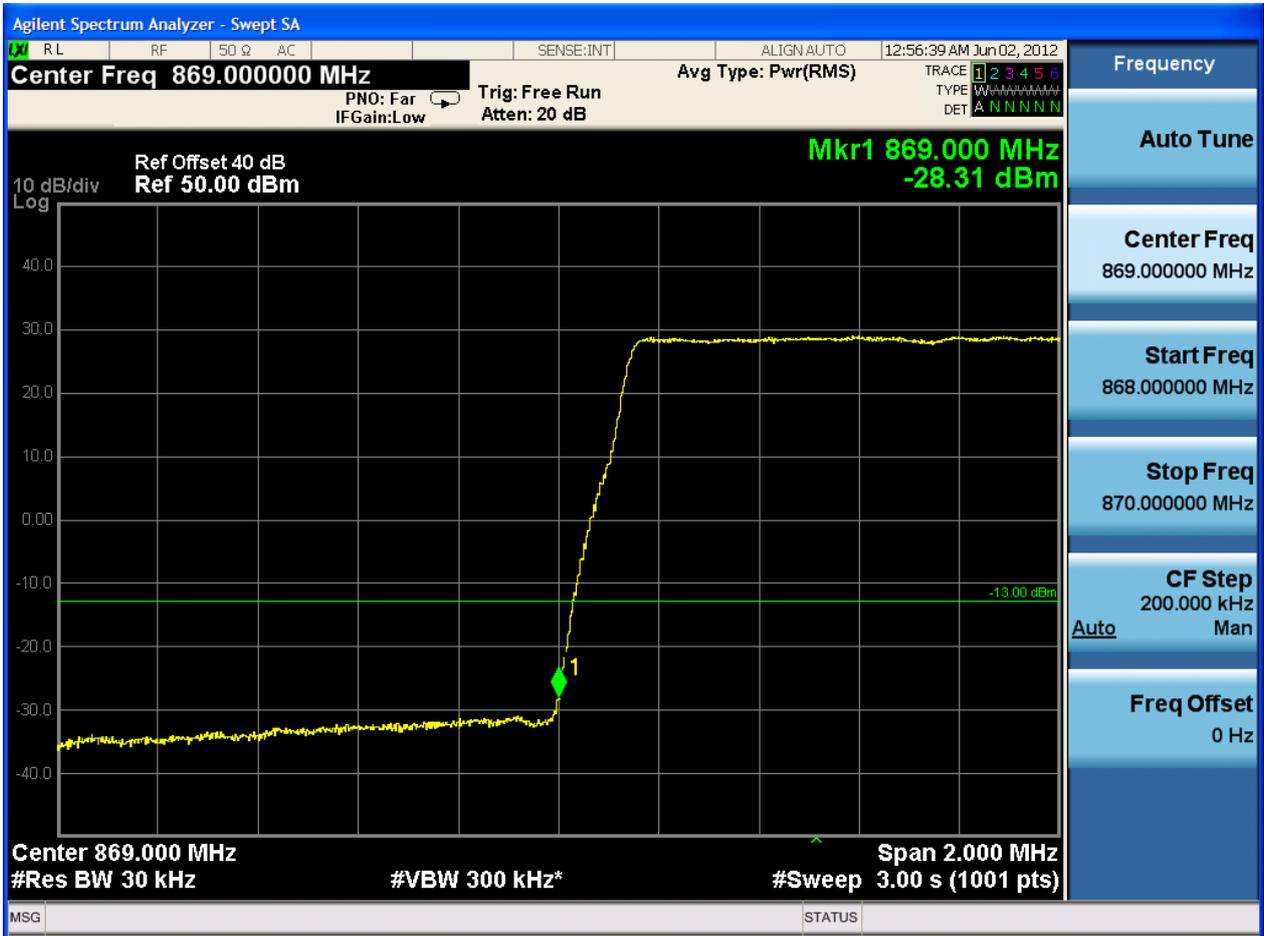


2.10 EUT Conf. 1L_1M4_T

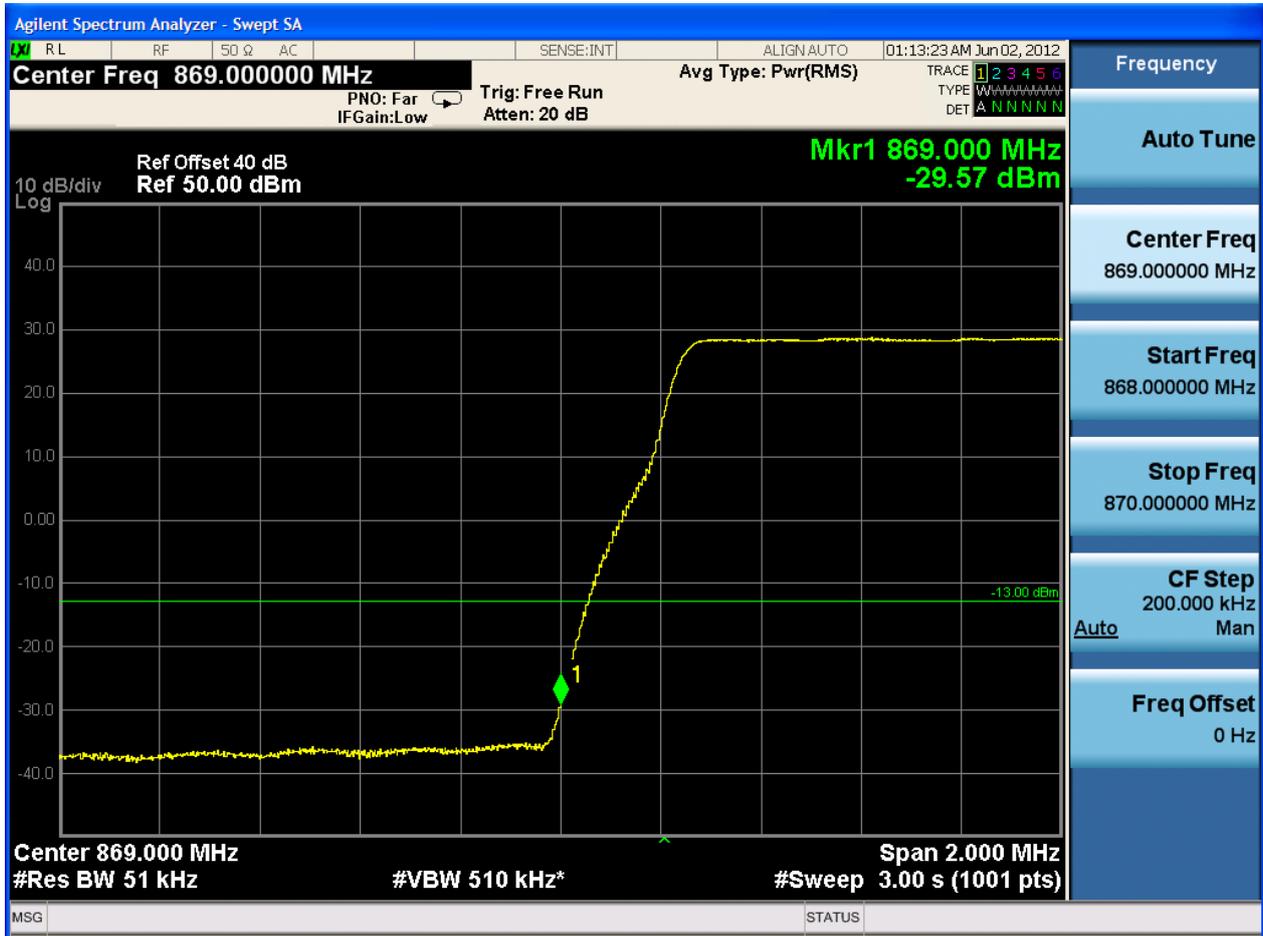




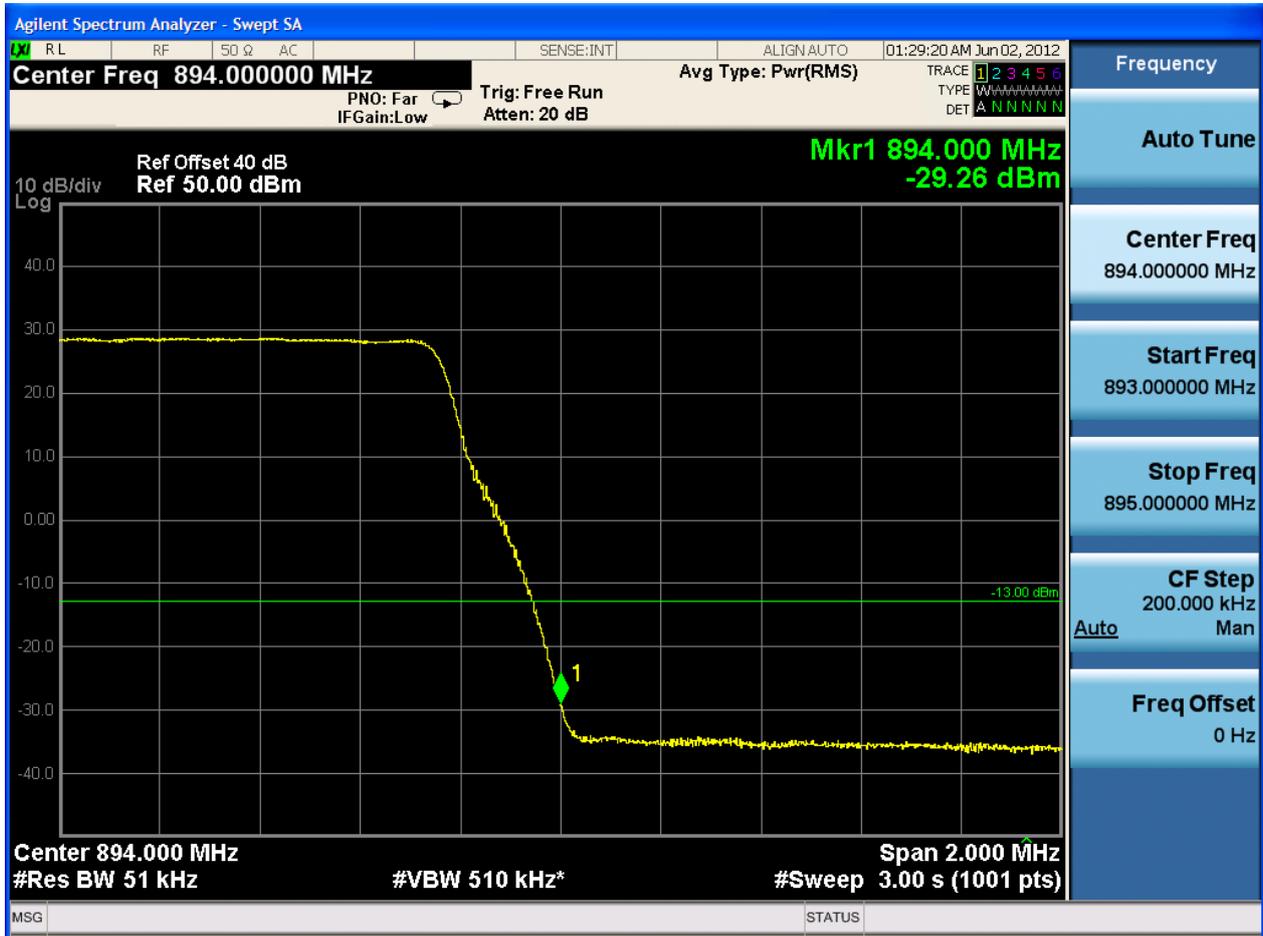
2.11 EUT Conf. 1L_3M_B



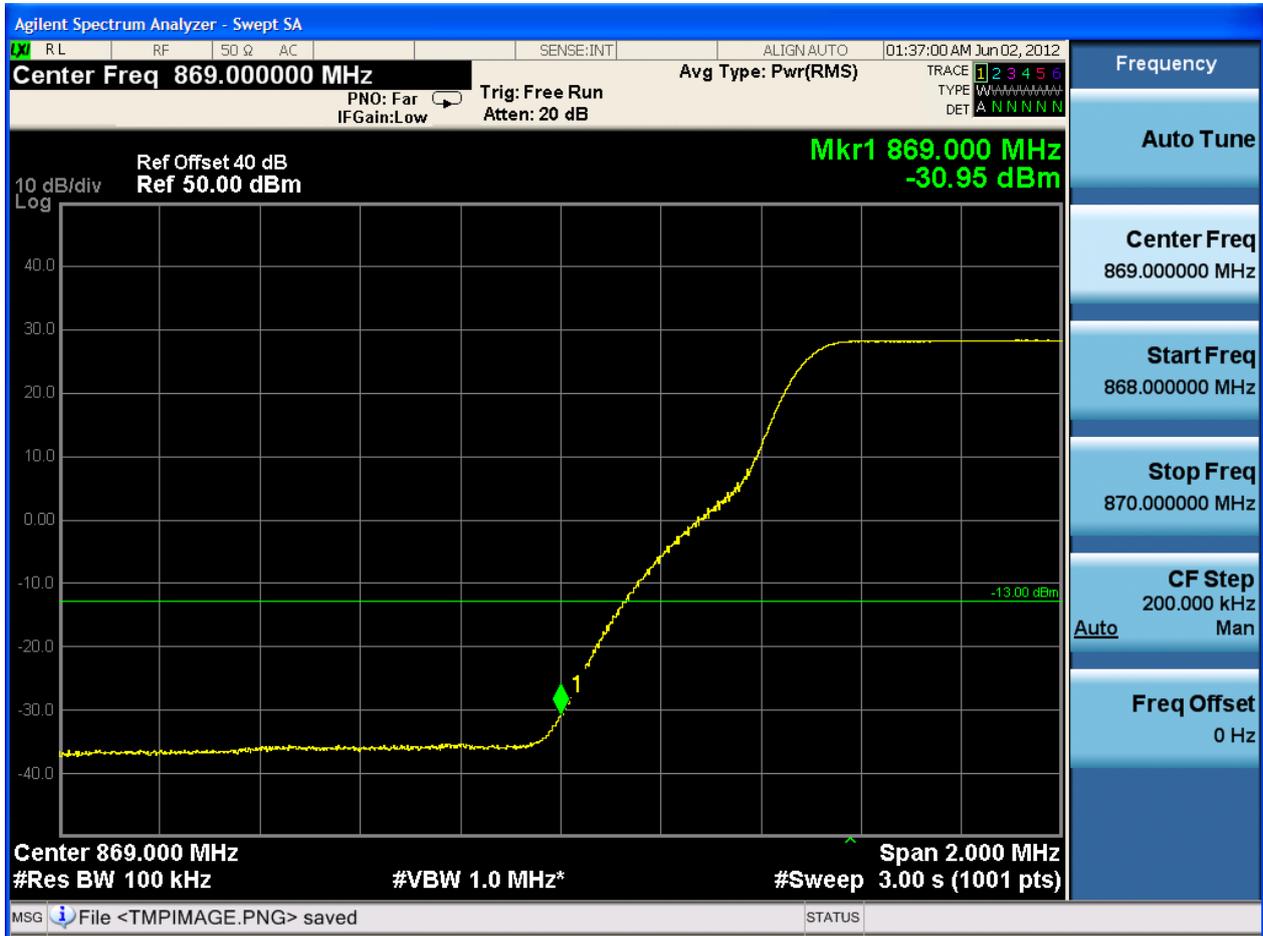
2.13 EUT Conf. 1L_5M_B



2.14 EUT Conf. 1L_5M_T



2.15 EUT Conf. 1L_10M_B





2.17 EUT Conf. 1L_15M_B



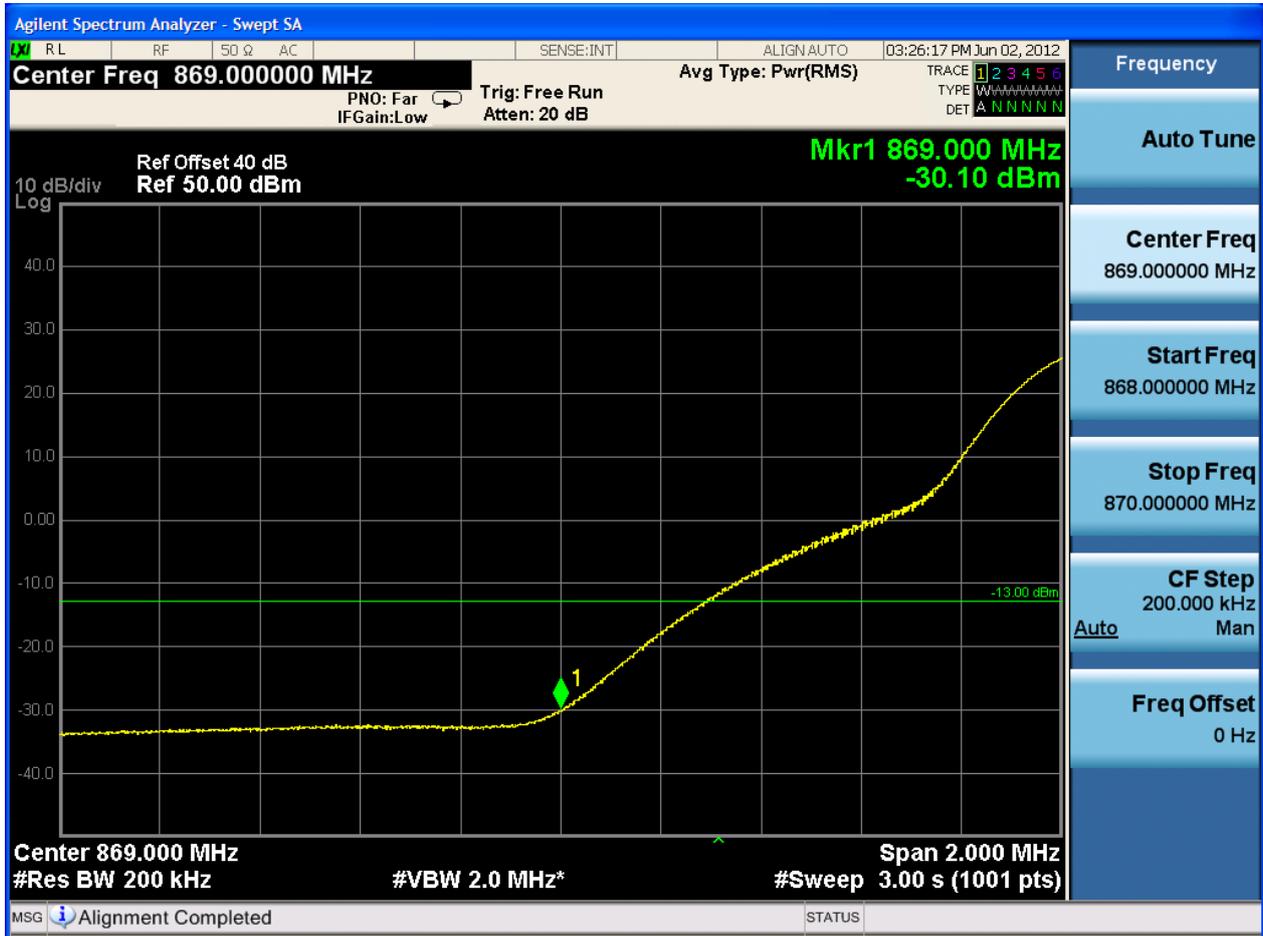


2.18 EUT Conf. 1L_15M_T





2.19 EUT Conf. 1L_20M_B



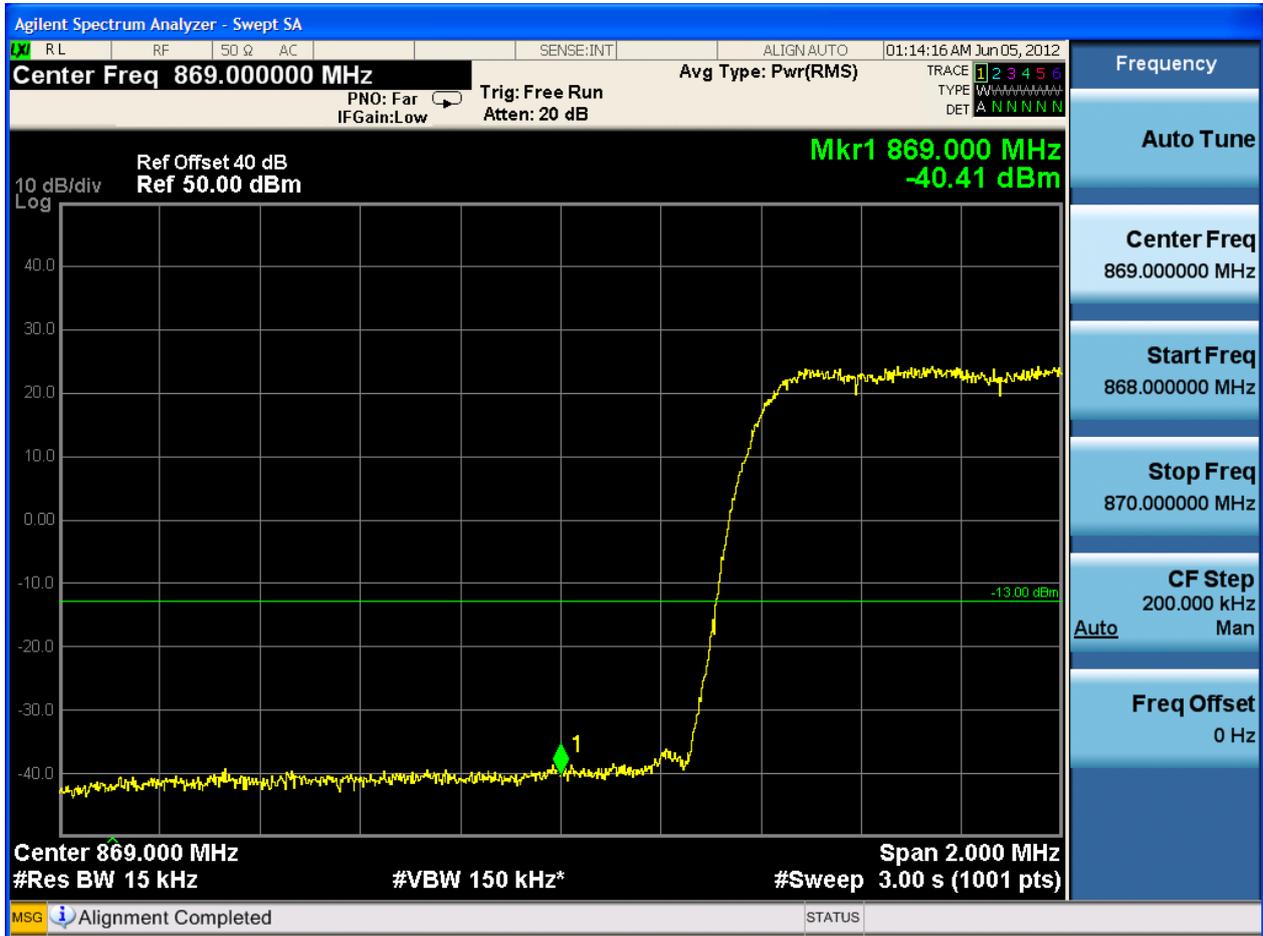


2.20 EUT Conf. 1L_20M_T

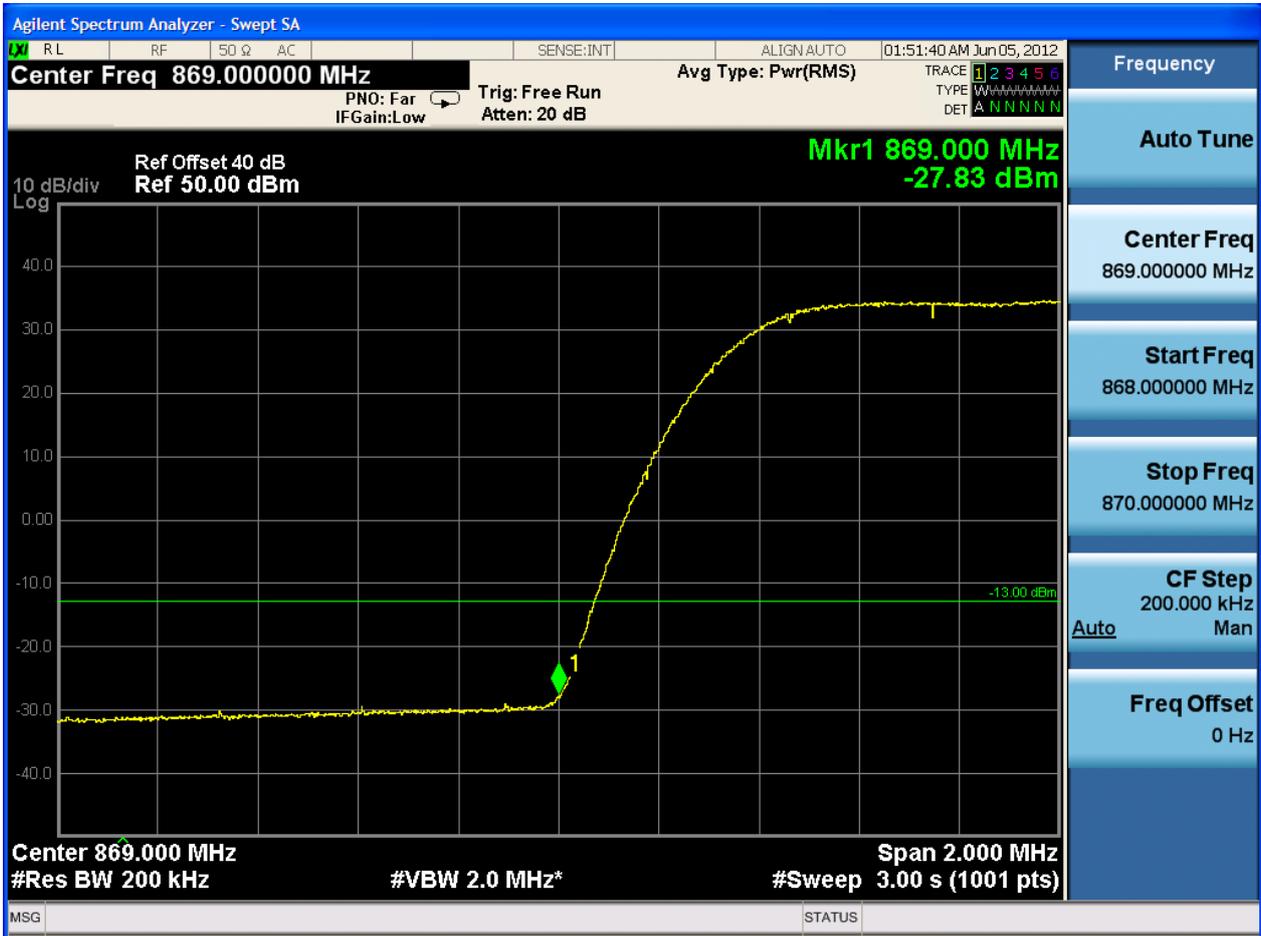




2.21 EUT Conf. 3C1L_1XEVD0_1M4_B



2.23 EUT Conf. 3C1L_1XEVD0_20M_M





Appendix E: Spurious Emission at Antenna Terminals

1 Result Table

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

EUT Conf.	Maximum Emission [dBm]	Verdict
1C_1X_B	<-13	Pass
1C_1X_M	<-13	Pass
1C_1X_T	<-13	Pass
3C_1X_B	<-13	Pass
3C_1X_M	<-13	Pass
3C_1X_T	<-13	Pass
4C_1X_B	<-13	Pass
4C_1X_M	<-13	Pass
4C_1X_T	<-13	Pass
1C_1XEVD0_B	<-13	Pass
1C_1XEVD0_M	<-13	Pass
1C_1XEVD0_T	<-13	Pass
3C_1XEVD0_B	<-13	Pass
3C_1XEVD0_M	<-13	Pass
3C_1XEVD0_T	<-13	Pass
4C_1XEVD0_B	<-13	Pass
4C_1XEVD0_M	<-13	Pass
4C_1XEVD0_T	<-13	Pass
1L_1M4_B	<-13	Pass
1L_1M4_M	<-13	Pass
1L_1M4_T	<-13	Pass
1L_3M_B	<-13	Pass
1L_3M_M	<-13	Pass
1L_3M_T	<-13	Pass
1L_5M_B	<-13	Pass
1L_5M_M	<-13	Pass
1L_5M_T	<-13	Pass
1L_10M_B	<-13	Pass
1L_10M_M	<-13	Pass
1L_10M_T	<-13	Pass
1L_15M_B	<-13	Pass
1L_15M_T	<-13	Pass
1L_20M_B	<-13	Pass

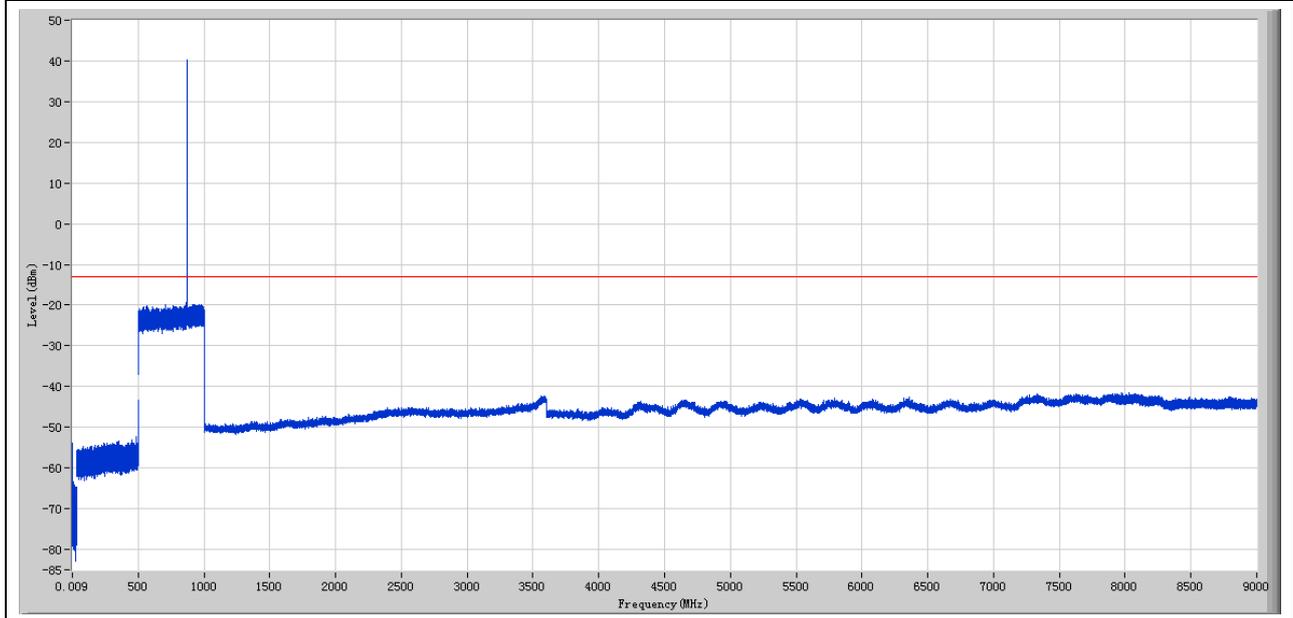


EUT Conf.	Maximum Emission [dBm]	Verdict
1L_20M_T	<-13	Pass
3C1L_1XEVDO_1M4_B	<-13	Pass
3C1L_1XEVDO_1M4_M	<-13	Pass
3C1L_1XEVDO_1M4_T	<-13	Pass
3C1L_1XEVDO_20M_M	<-13	Pass

2 Test Plot

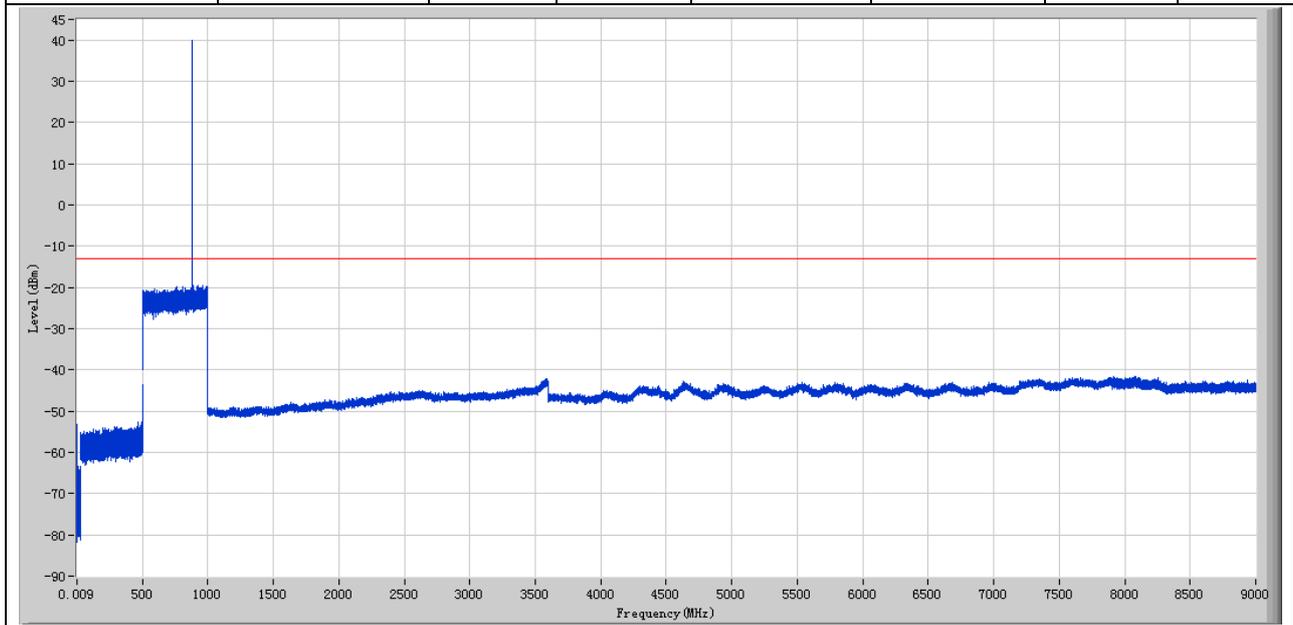
2.1 EUT Conf.1C_1X_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.743 k	-53.76	-13.00	Pass
0.15	30	0.01	RMS	176.865 k	-54.82	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.22	-13.00	Pass
500	1000	0.1	RMS	869.717 M	40.37	-13.00	Fail
1000	9000	1	RMS	8.028 G	-41.49	-13.00	Pass



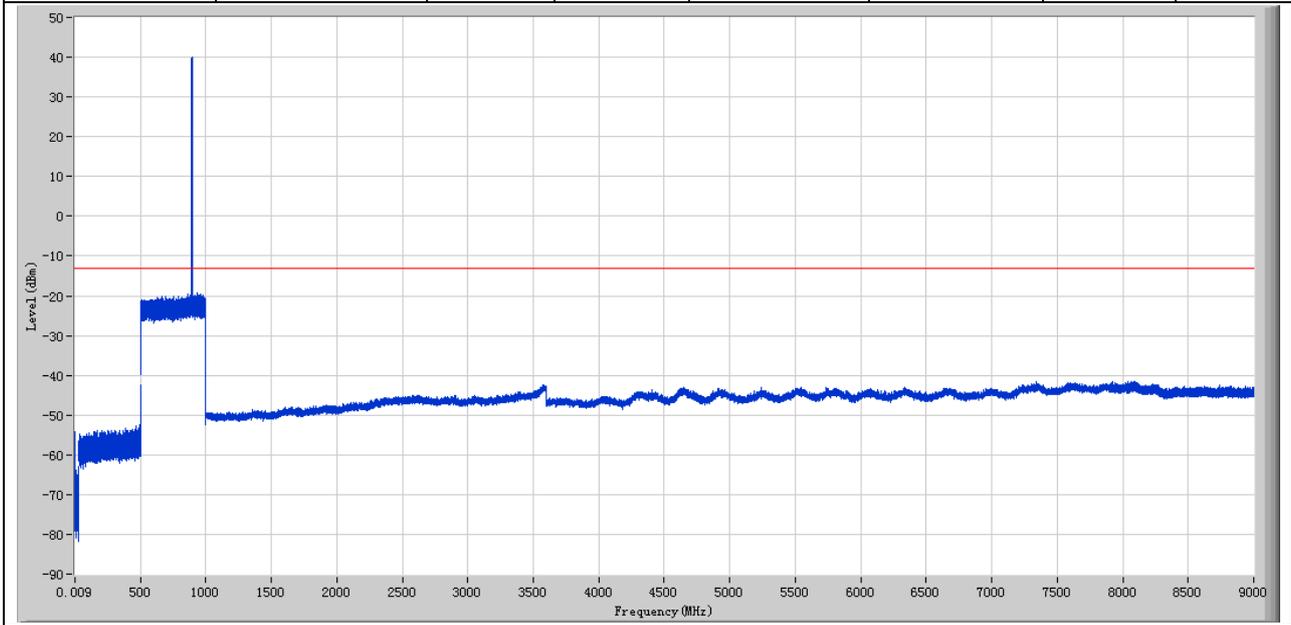
2.2 EUT Conf.1C_1X_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.700 k	-54.12	-13.00	Pass
0.15	30	0.01	RMS	168.905 k	-53.22	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.61	-13.00	Pass
500	1000	0.1	RMS	881.933 M	39.92	-13.00	Fail
1000	9000	1	RMS	7.913 G	-41.60	-13.00	Pass



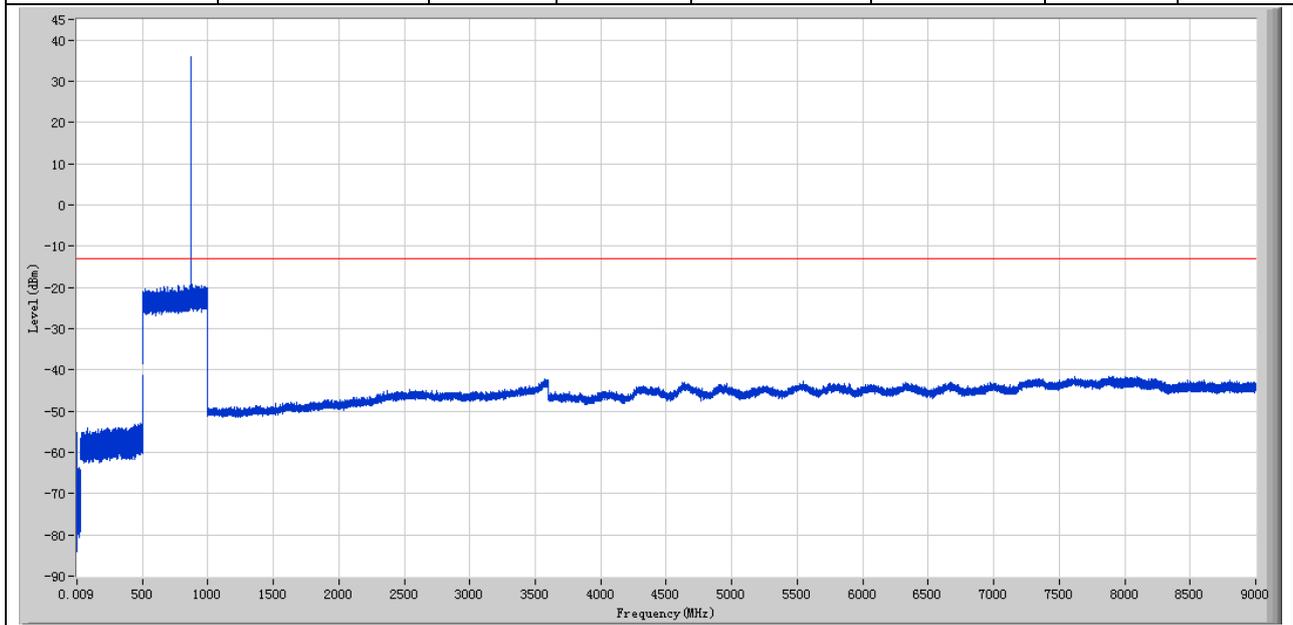
2.3 EUT Conf.1C_1X_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.658 k	-54.47	-13.00	Pass
0.15	30	0.01	RMS	172.885 k	-54.25	-13.00	Pass
30	500	0.1	RMS	500.000 M	-42.42	-13.00	Pass
500	1000	0.1	RMS	893.267 M	40.13	-13.00	Fail
1000	9000	1	RMS	8.037 G	-41.44	-13.00	Pass



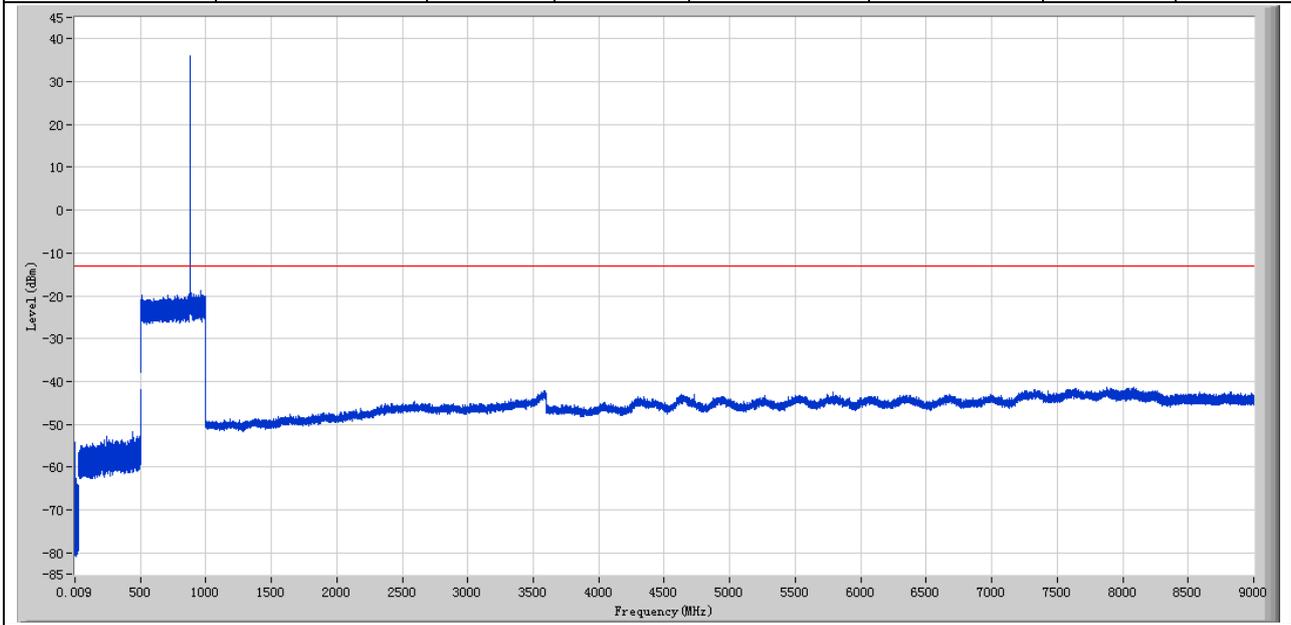
2.4 EUT Conf.3C_1X_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.757 k	-55.32	-13.00	Pass
0.15	30	0.01	RMS	247.510 k	-55.22	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.38	-13.00	Pass
500	1000	0.1	RMS	871.567 M	35.92	-13.00	Fail
1000	9000	1	RMS	7.903 G	-41.53	-13.00	Pass



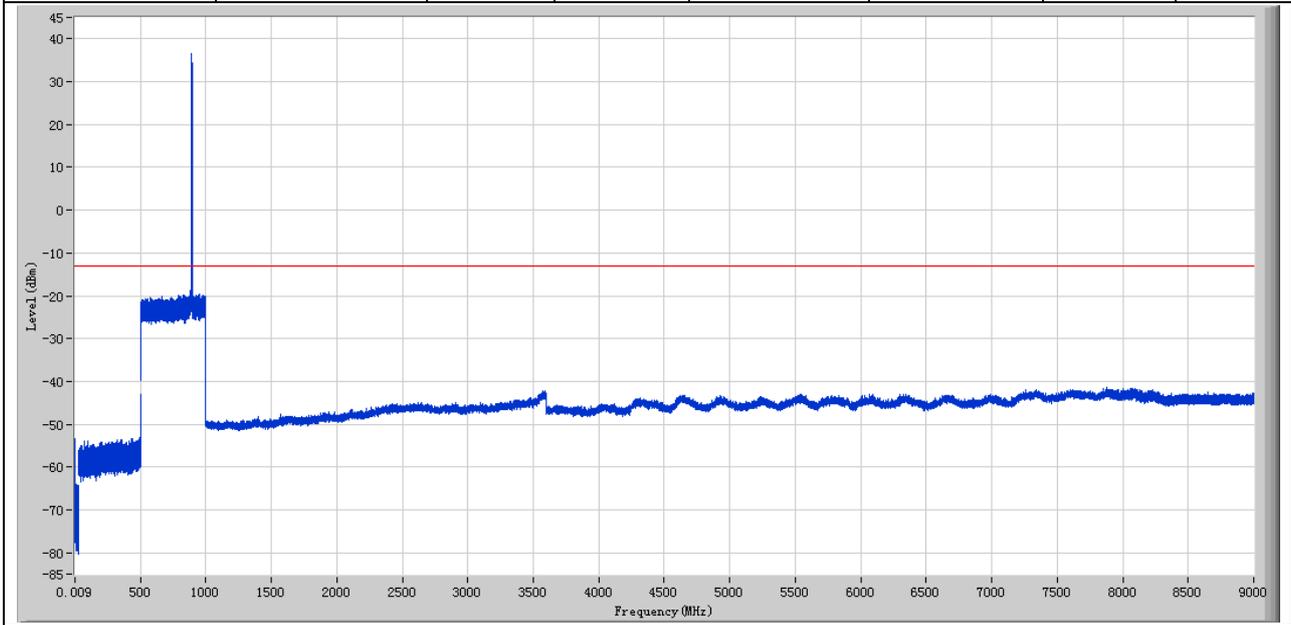
2.5 EUT Conf.3C_1X_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.118 k	-54.24	-13.00	Pass
0.15	30	0.01	RMS	151.990 k	-54.53	-13.00	Pass
30	500	0.1	RMS	500.000 M	-42.05	-13.00	Pass
500	1000	0.1	RMS	881.867 M	36.05	-13.00	Fail
1000	9000	1	RMS	8.087 G	-41.37	-13.00	Pass



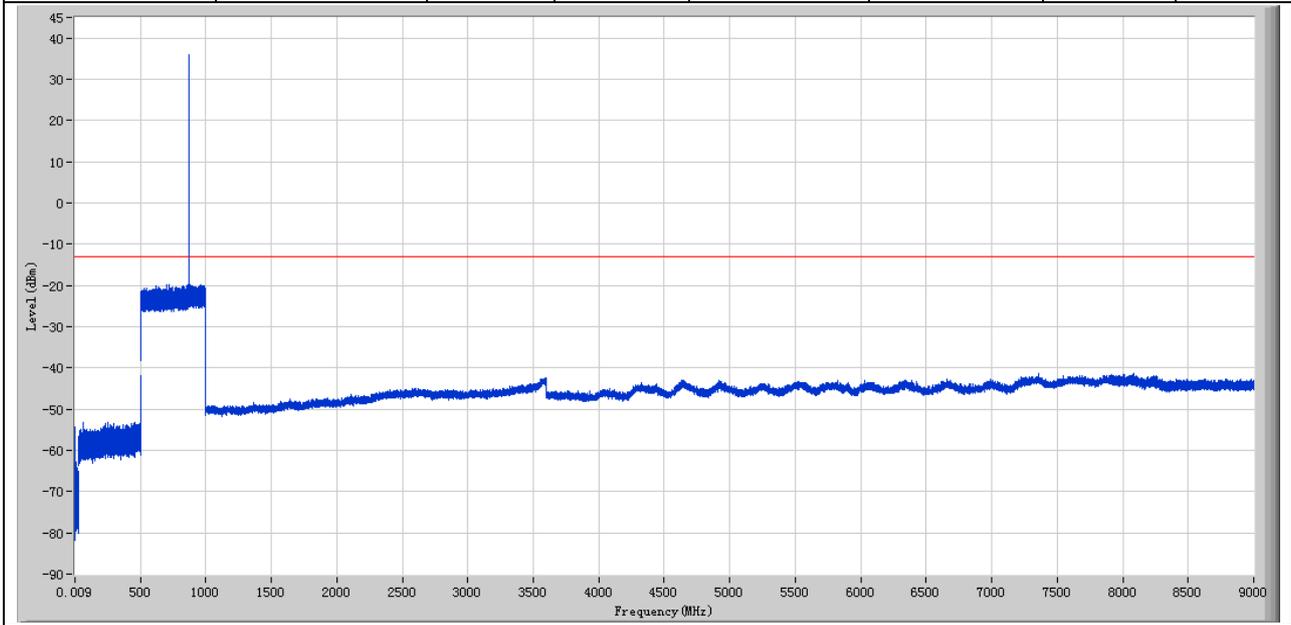
2.6 EUT Conf.3C_1X_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.714 k	-54.52	-13.00	Pass
0.15	30	0.01	RMS	194.775 k	-53.38	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.10	-13.00	Pass
500	1000	0.1	RMS	890.967 M	36.47	-13.00	Fail
1000	9000	1	RMS	7.874 G	-41.39	-13.00	Pass



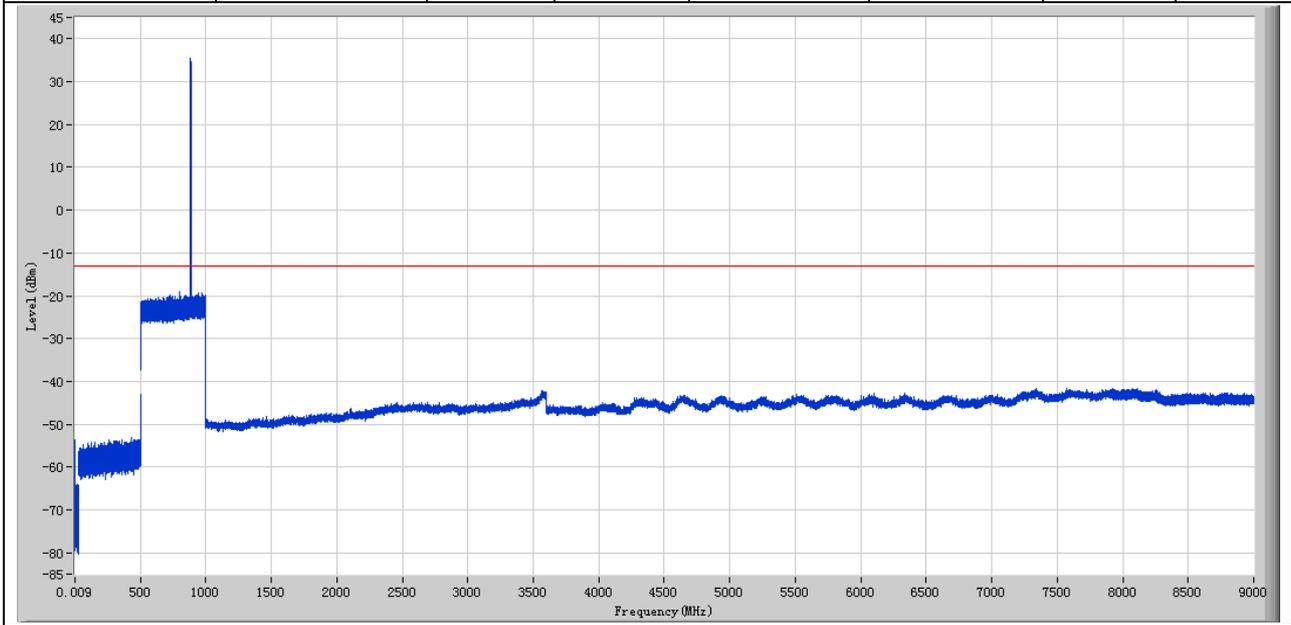
2.7 EUT Conf.4C_1X_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.503 k	-54.33	-13.00	Pass
0.15	30	0.01	RMS	178.855 k	-54.74	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.92	-13.00	Pass
500	1000	0.1	RMS	870.833 M	35.95	-13.00	Fail
1000	9000	1	RMS	7.356 G	-41.31	-13.00	Pass



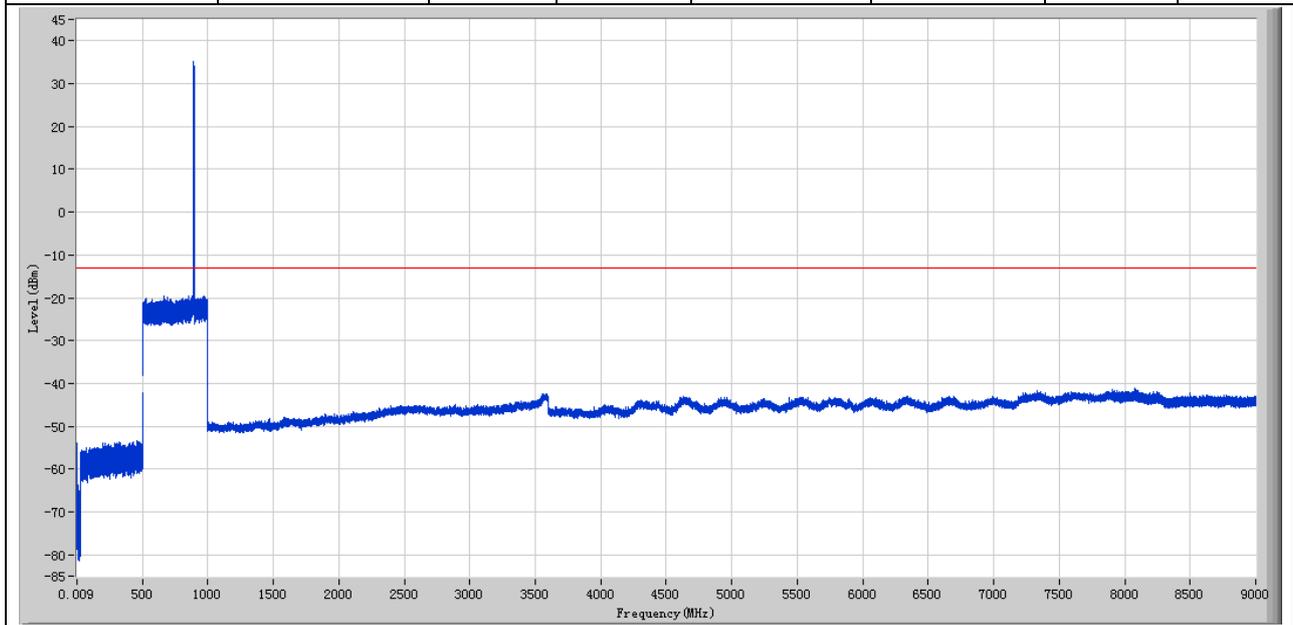
2.8 EUT Conf.4C_1X_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	66.072 k	-54.76	-13.00	Pass
0.15	30	0.01	RMS	152.985 k	-53.54	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.01	-13.00	Pass
500	1000	0.1	RMS	883.800 M	35.56	-13.00	Fail
1000	9000	1	RMS	7.923 G	-41.62	-13.00	Pass



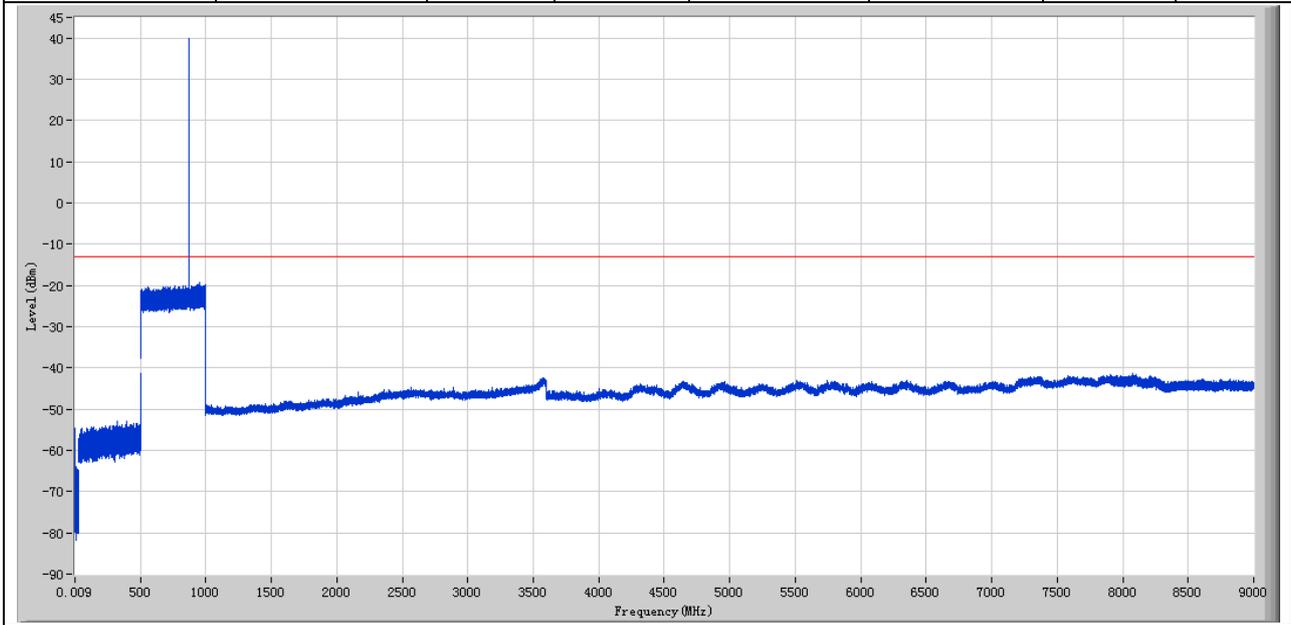
2.9 EUT Conf.4C_1X_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	66.547 k	-53.86	-13.00	Pass
0.15	30	0.01	RMS	163.930 k	-53.94	-13.00	Pass
30	500	0.1	RMS	500.000 M	-42.26	-13.00	Pass
500	1000	0.1	RMS	891.817 M	35.26	-13.00	Fail
1000	9000	1	RMS	8.079 G	-41.20	-13.00	Pass



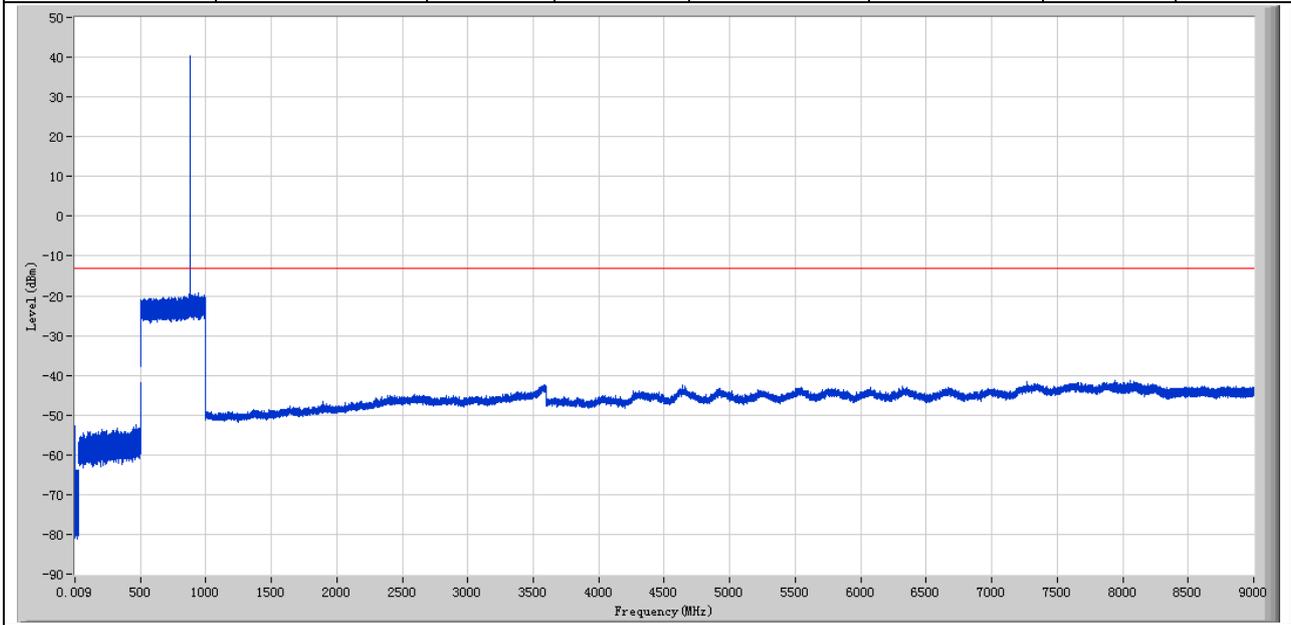
2.10 EUT Conf. 1C_1XEVD0_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	10.739 k	-56.10	-13.00	Pass
0.15	30	0.01	RMS	169.900 k	-54.60	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.24	-13.00	Pass
500	1000	0.1	RMS	869.683 M	39.87	-13.00	Fail
1000	9000	1	RMS	8.074 G	-41.43	-13.00	Pass



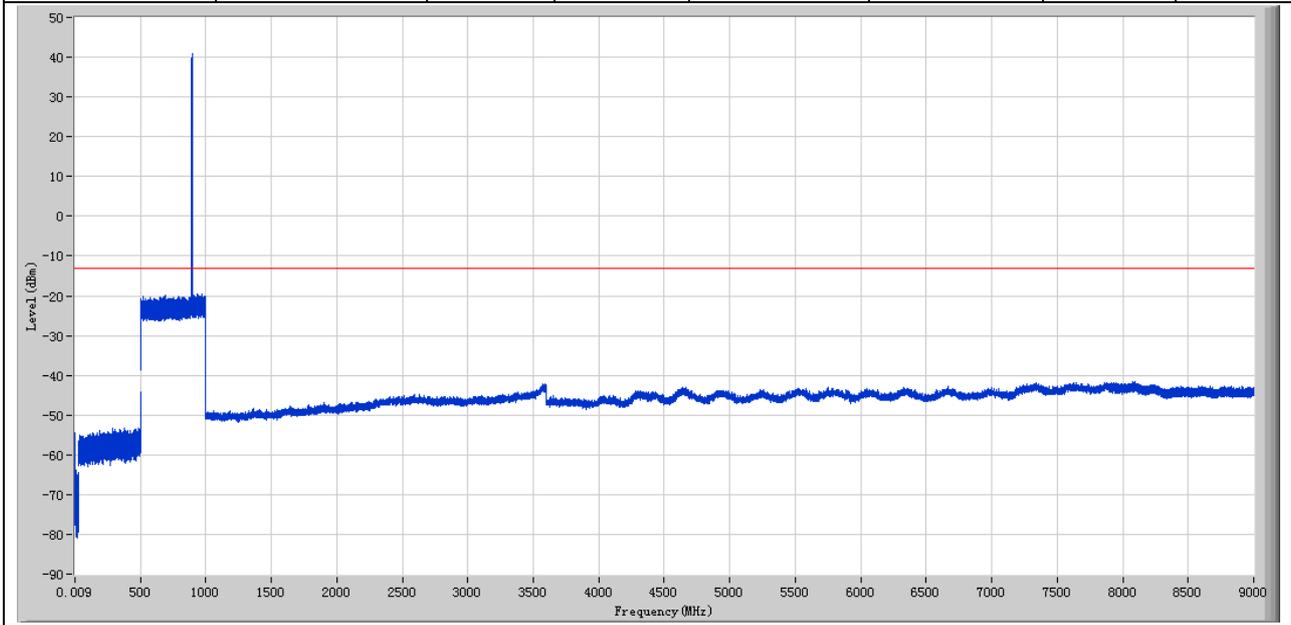
2.11 EUT Conf. 1C_1XEVD0_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.710 k	-55.77	-13.00	Pass
0.15	30	0.01	RMS	178.855 k	-52.74	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.81	-13.00	Pass
500	1000	0.1	RMS	881.400 M	40.45	-13.00	Fail
1000	9000	1	RMS	8.057 G	-41.31	-13.00	Pass



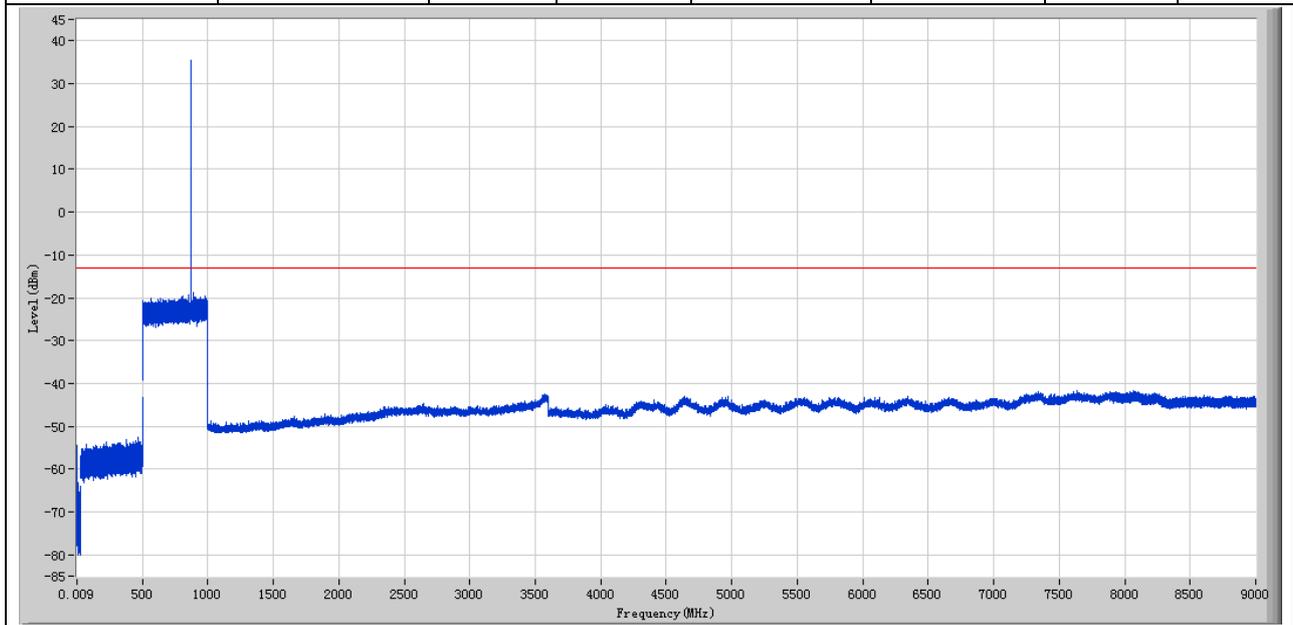
2.12 EUT Conf. 1C_1XEVD0_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	66.434 k	-54.48	-13.00	Pass
0.15	30	0.01	RMS	157.960 k	-54.55	-13.00	Pass
30	500	0.1	RMS	500.000 M	-44.15	-13.00	Pass
500	1000	0.1	RMS	893.050 M	40.91	-13.00	Fail
1000	9000	1	RMS	8.077 G	-41.60	-13.00	Pass



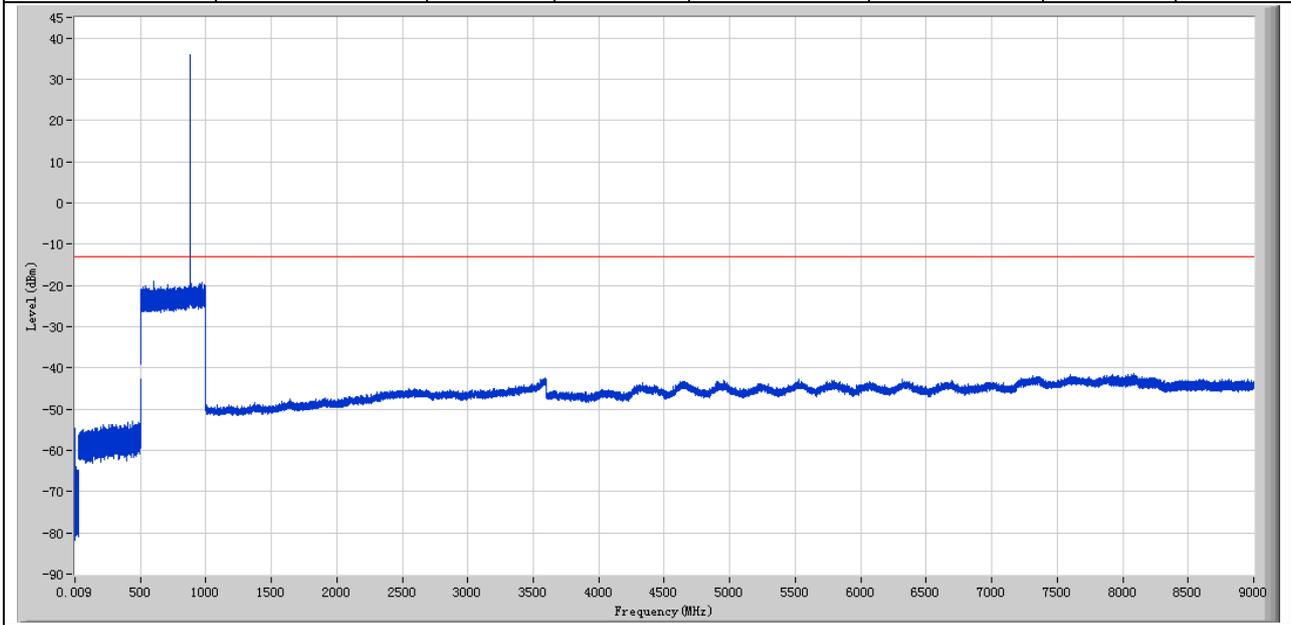
2.13 EUT Conf. 3C_1XEVD0_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	10.053 k	-56.14	-13.00	Pass
0.15	30	0.01	RMS	263.430 k	-54.45	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.42	-13.00	Pass
500	1000	0.1	RMS	872.217 M	35.59	-13.00	Fail
1000	9000	1	RMS	7.638 G	-41.70	-13.00	Pass



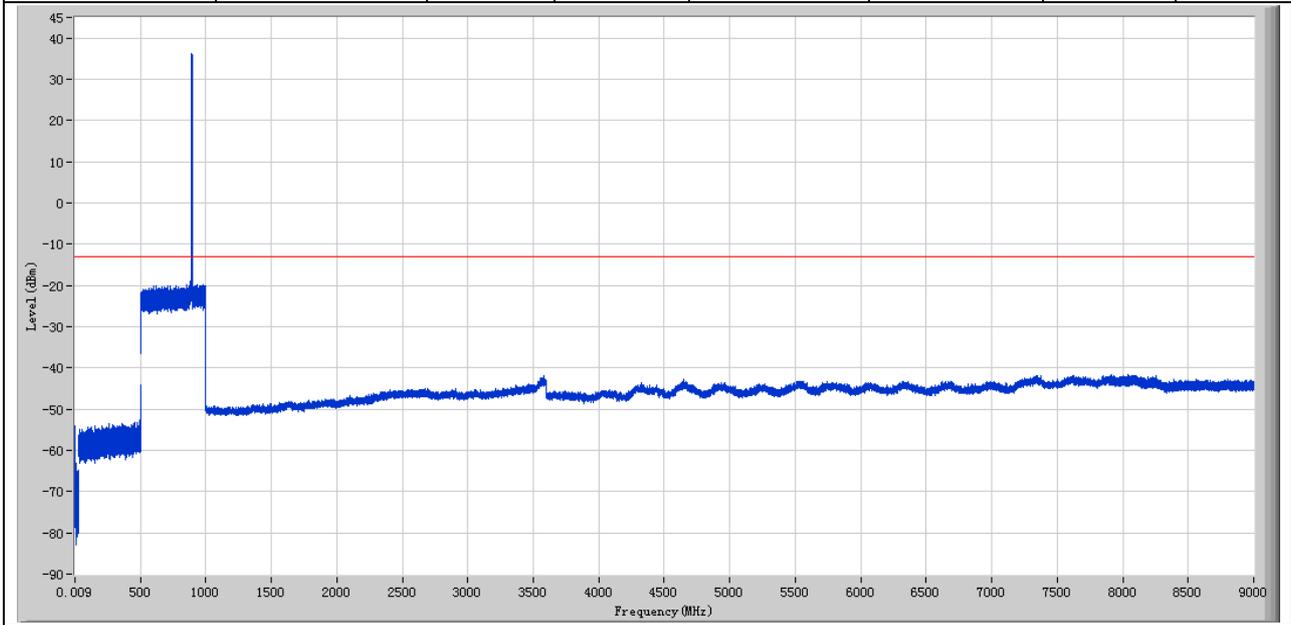
2.14 EUT Conf. 3C_1XEVD0_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	66.500 k	-56.10	-13.00	Pass
0.15	30	0.01	RMS	177.860 k	-54.70	-13.00	Pass
30	500	0.1	RMS	500.000 M	-42.86	-13.00	Pass
500	1000	0.1	RMS	881.333 M	36.03	-13.00	Fail
1000	9000	1	RMS	8.087 G	-41.18	-13.00	Pass



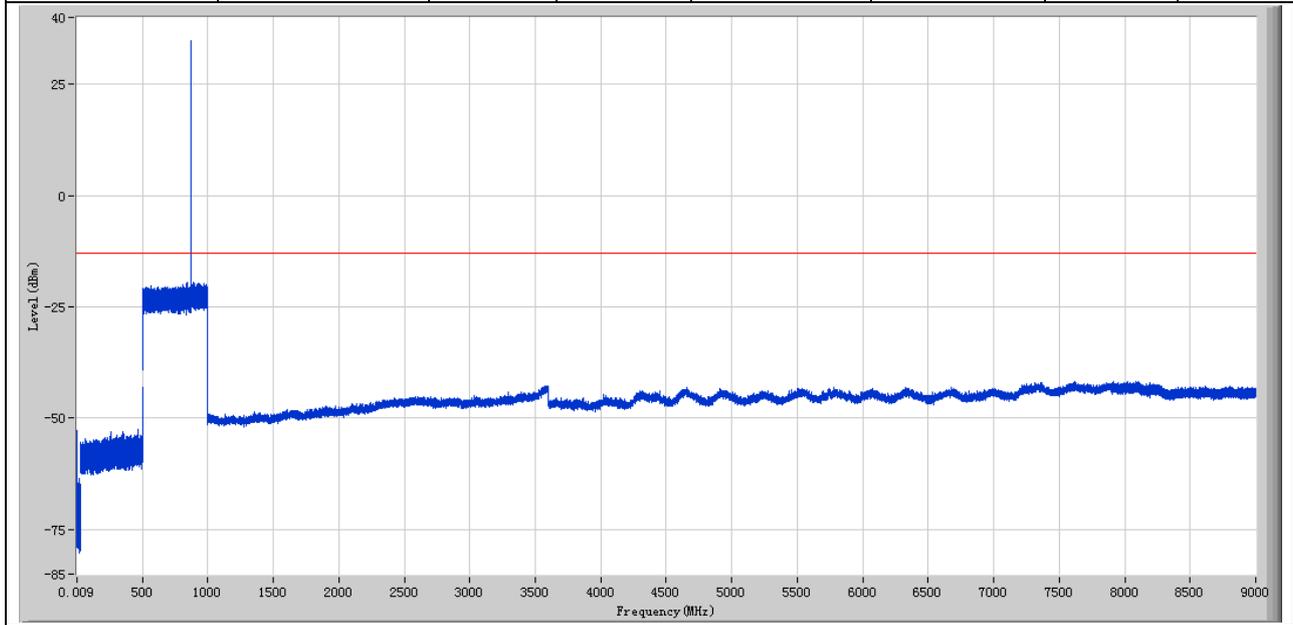
2.15 EUT Conf. 3C_1XEVD0_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	66.627 k	-54.20	-13.00	Pass
0.15	30	0.01	RMS	401.735 k	-54.91	-13.00	Pass
30	500	0.1	RMS	500.000 M	-44.07	-13.00	Pass
500	1000	0.1	RMS	891.983 M	36.10	-13.00	Fail
1000	9000	1	RMS	8.044 G	-41.67	-13.00	Pass



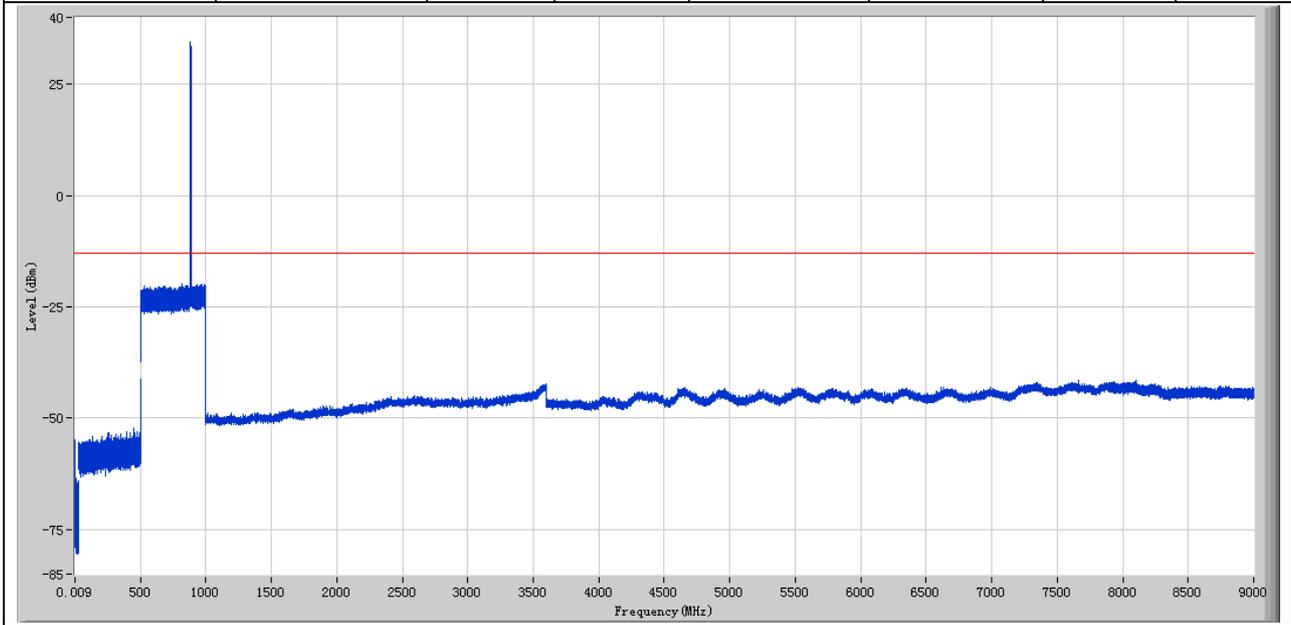
2.16 EUT Conf. 4C_1XEVD0_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.541 k	-56.10	-13.00	Pass
0.15	30	0.01	RMS	199.750 k	-52.64	-13.00	Pass
30	500	0.1	RMS	500.000 M	-43.00	-13.00	Pass
500	1000	0.1	RMS	873.483 M	34.82	-13.00	Fail
1000	9000	1	RMS	7.914 G	-41.70	-13.00	Pass



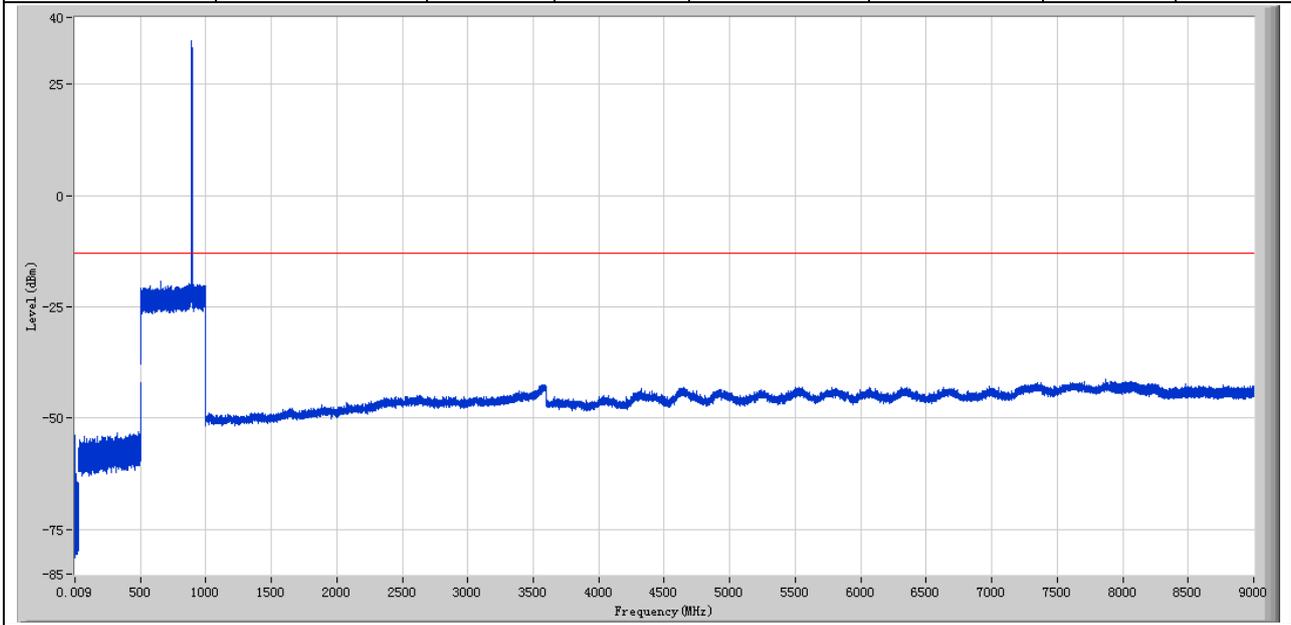
2.17 EUT Conf. 4C_1XEVD0_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	10.006 k	-54.75	-13.00	Pass
0.15	30	0.01	RMS	176.865 k	-54.74	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.16	-13.00	Pass
500	1000	0.1	RMS	880.450 M	34.48	-13.00	Fail
1000	9000	1	RMS	8.099 G	-41.37	-13.00	Pass



2.18 EUT Conf. 4C_1XEVD0_T

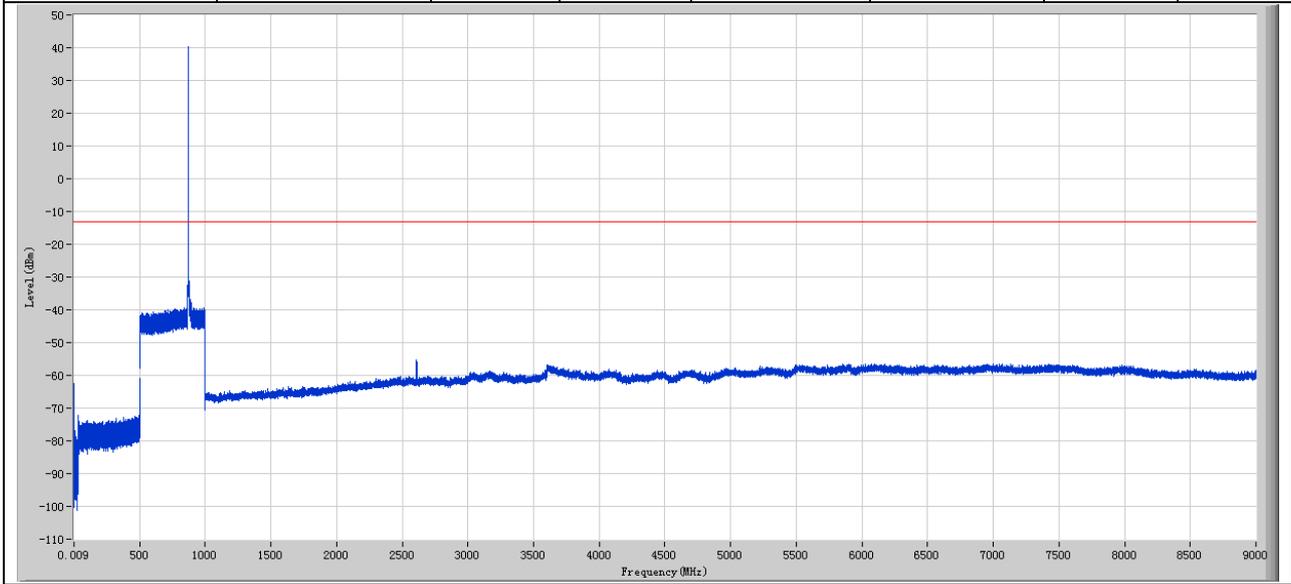
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.381 k	-56.39	-13.00	Pass
0.15	30	0.01	RMS	182.835 k	-53.75	-13.00	Pass
30	500	0.1	RMS	500.000 M	-41.95	-13.00	Pass
500	1000	0.1	RMS	891.783 M	34.71	-13.00	Fail
1000	9000	1	RMS	7.867 G	-41.35	-13.00	Pass





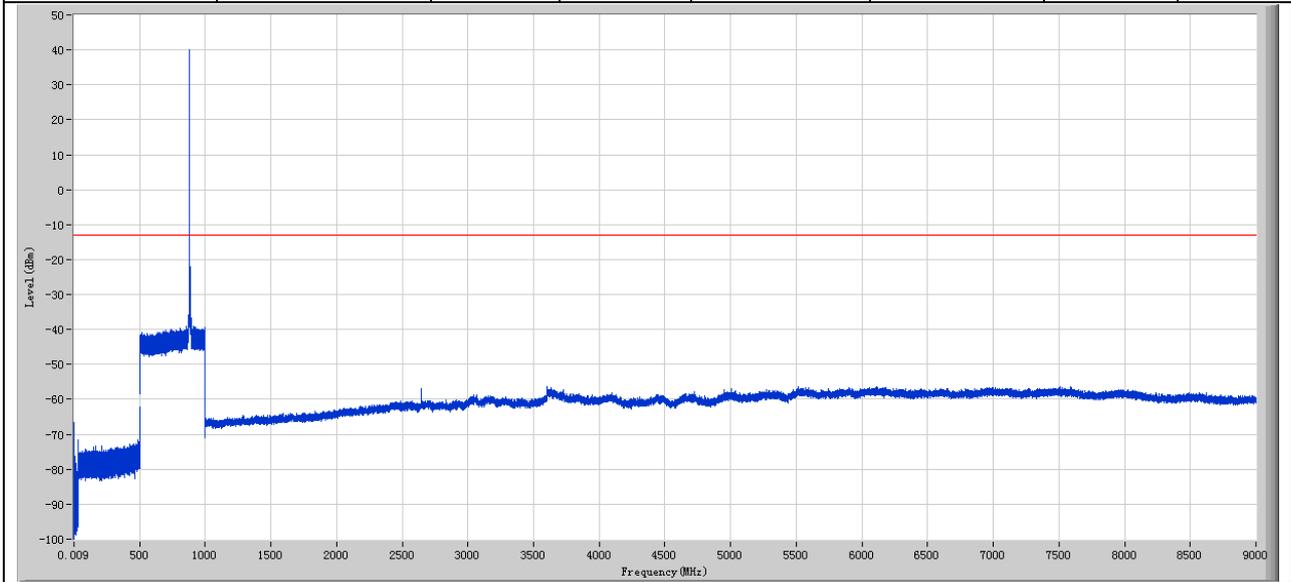
2.19 EUT Conf. 1L_1M4_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	10.082 k	-62.64	-13.00	Pass
0.15	30	0.01	RMS	158.955 k	-68.63	-13.00	Pass
30	500	0.1	RMS	500.000 M	-60.97	-13.00	Pass
500	1000	0.1	RMS	869.888 M	40.34	-13.00	Fail
1000	9000	1	RMS	2.609 G	-55.30	-13.00	Pass



2.20 EUT Conf. 1L_1M4_M

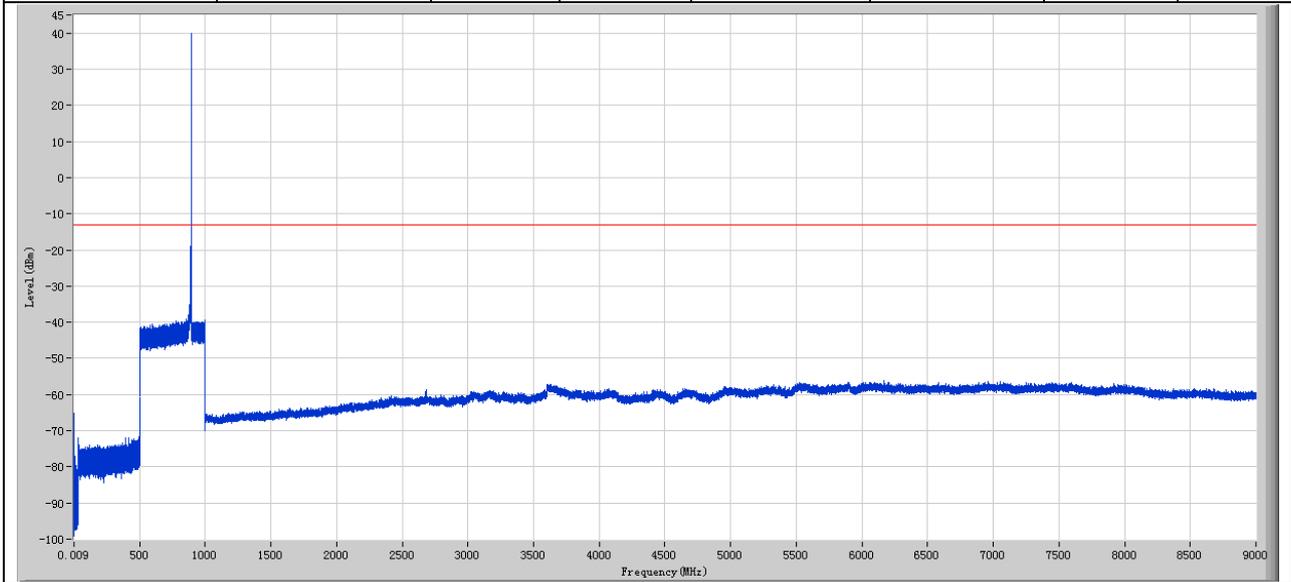
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.088 k	-66.54	-13.00	Pass
0.15	30	0.01	RMS	160.447 k	-69.00	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.27	-13.00	Pass
500	1000	0.1	RMS	881.788 M	40.08	-13.00	Fail
1000	9000	1	RMS	7.589 G	-56.22	-13.00	Pass





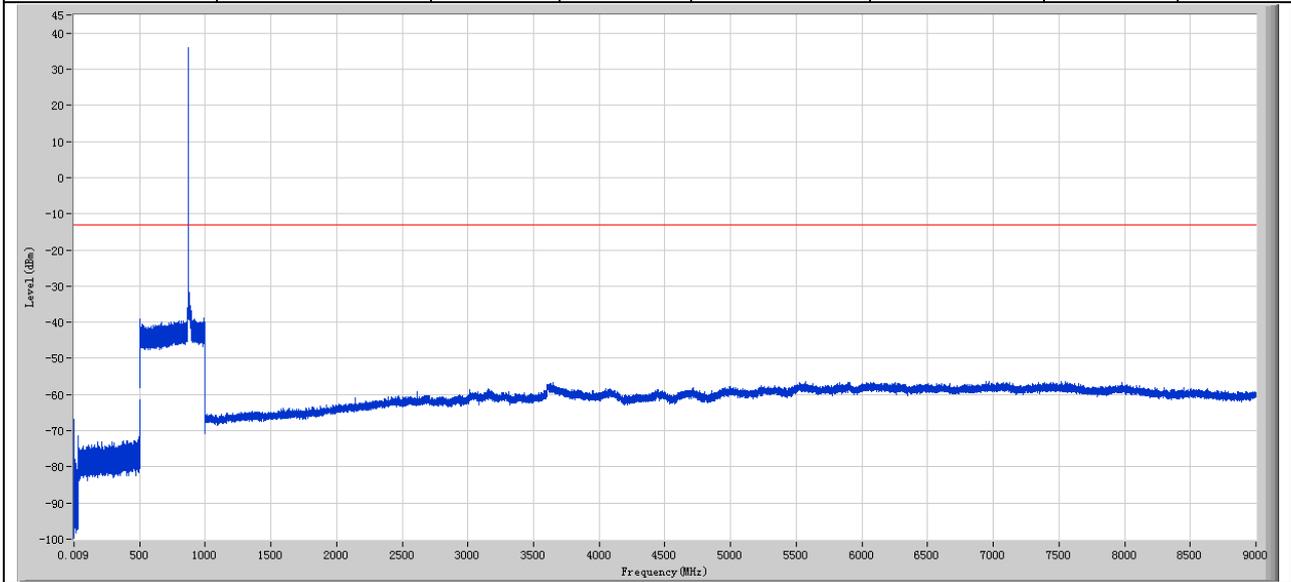
2.21 EUT Conf. 1L_1M4_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.000 k	-65.27	-13.00	Pass
0.15	30	0.01	RMS	158.209 k	-68.82	-13.00	Pass
30	500	0.1	RMS	500.000 M	-60.78	-13.00	Pass
500	1000	0.1	RMS	893.475 M	39.88	-13.00	Fail
1000	9000	1	RMS	6.164 G	-56.19	-13.00	Pass



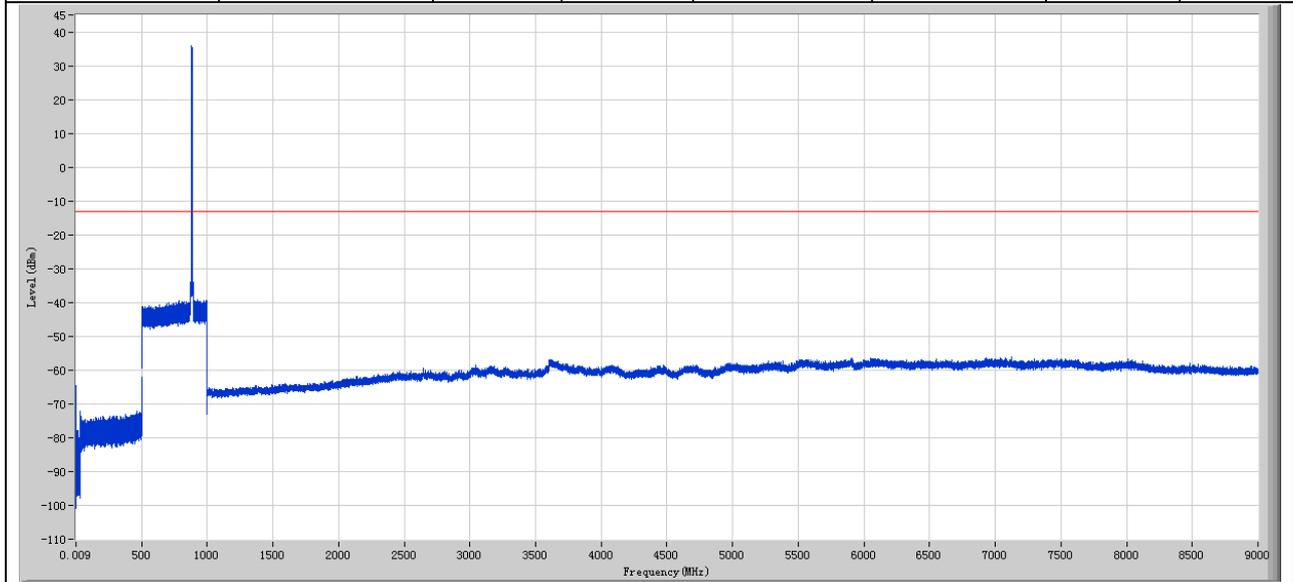
2.22 EUT Conf. 1L_3M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.768 k	-66.81	-13.00	Pass
0.15	30	0.01	RMS	159.701 k	-68.80	-13.00	Pass
30	500	0.1	RMS	500.000 M	-61.53	-13.00	Pass
500	1000	0.1	RMS	870.713 M	36.08	-13.00	Fail
1000	9000	1	RMS	6.967 G	-56.25	-13.00	Pass



2.23 EUT Conf. 1L_3M_M

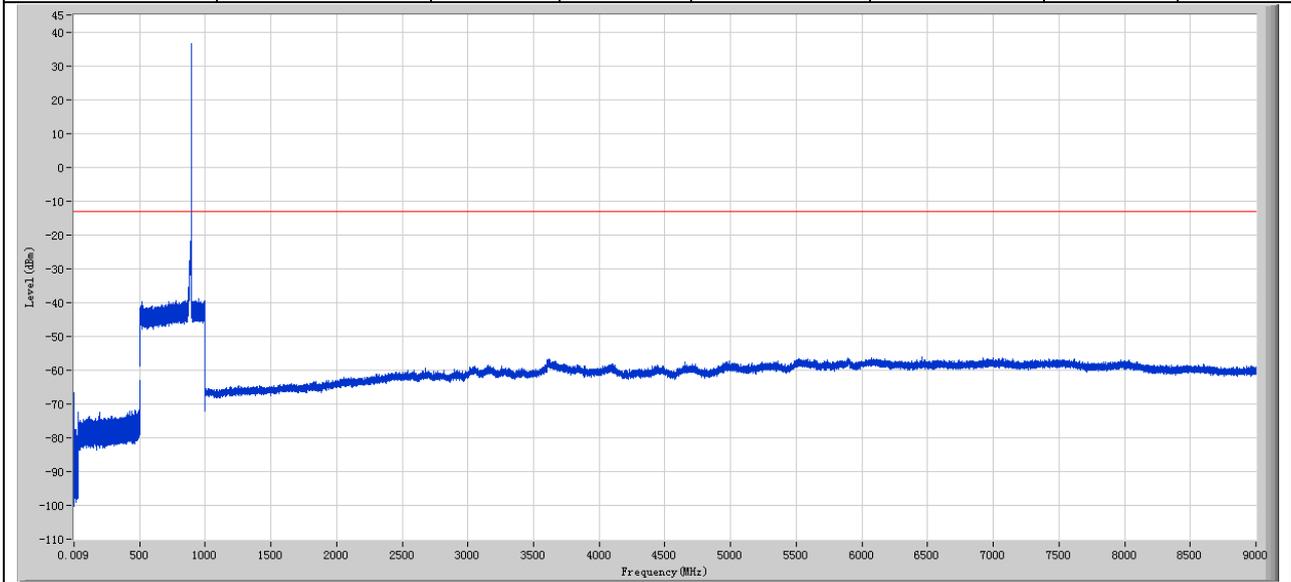
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.219 k	-64.60	-13.00	Pass
0.15	30	0.01	RMS	158.209 k	-68.60	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.08	-13.00	Pass
500	1000	0.1	RMS	881.763 M	36.02	-13.00	Fail
1000	9000	1	RMS	7.127 G	-56.26	-13.00	Pass





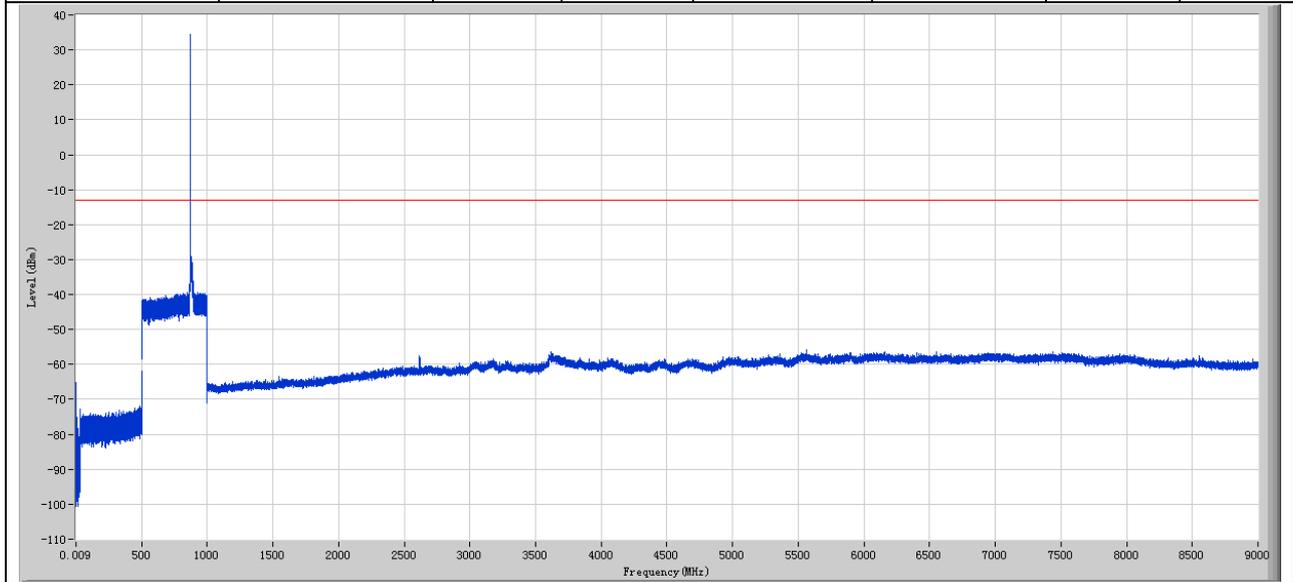
2.24 EUT Conf. 1L_3M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.293 k	-66.80	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-69.10	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.94	-13.00	Pass
500	1000	0.1	RMS	892.288 M	36.49	-13.00	Fail
1000	9000	1	RMS	6.454 G	-56.24	-13.00	Pass



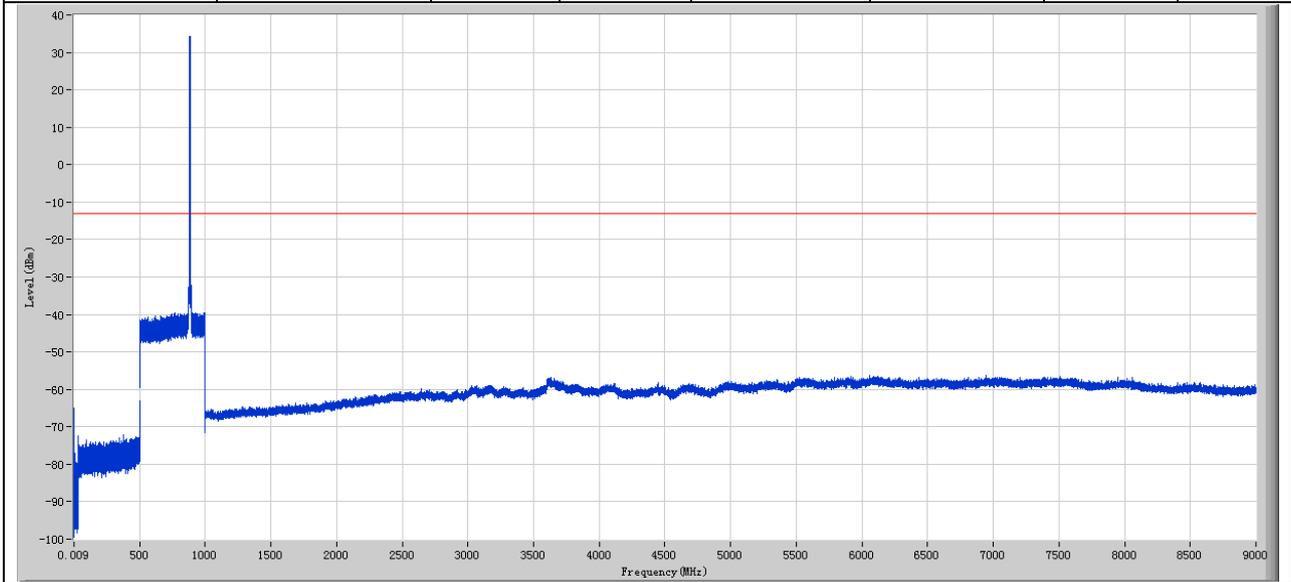
2.25 EUT Conf. 1L_5M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.240 k	-65.10	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-68.28	-13.00	Pass
30	500	0.1	RMS	499.988 M	-61.84	-13.00	Pass
500	1000	0.1	RMS	872.188 M	34.30	-13.00	Fail
1000	9000	1	RMS	5.562 G	-55.86	-13.00	Pass



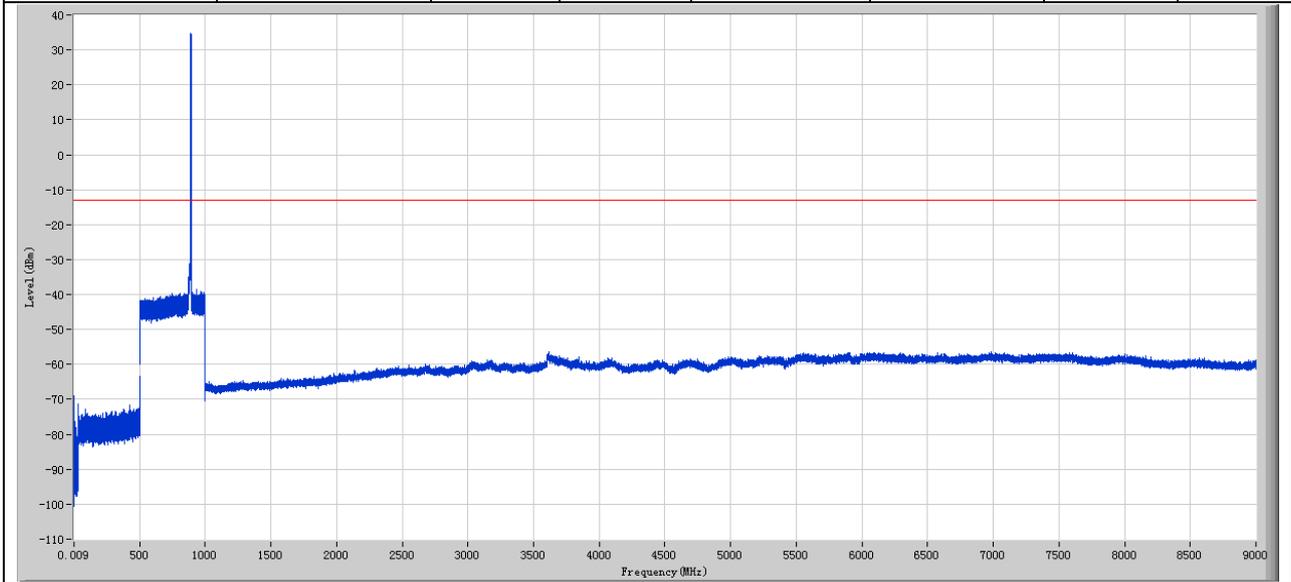
2.26 EUT Conf. 1L_5M_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.095 k	-65.01	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-68.41	-13.00	Pass
30	500	0.1	RMS	499.988 M	-63.19	-13.00	Pass
500	1000	0.1	RMS	882.938 M	34.22	-13.00	Fail
1000	9000	1	RMS	6.056 G	-56.29	-13.00	Pass



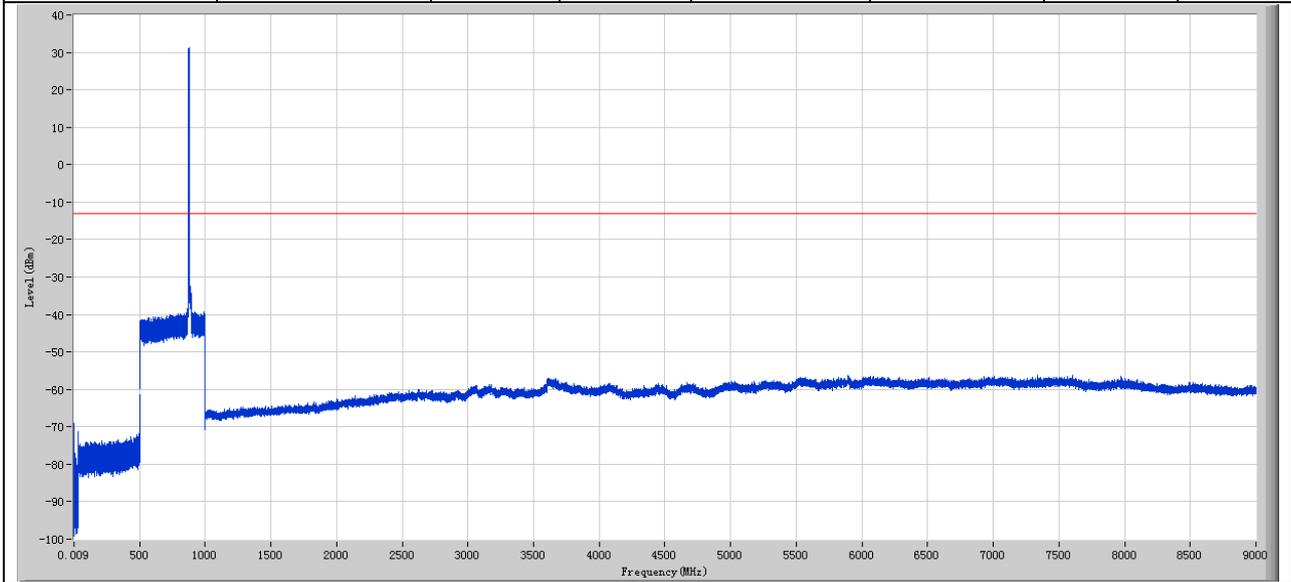
2.27 EUT Conf. 1L_5M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.141 k	-70.18	-13.00	Pass
0.15	30	0.01	RMS	160.447 k	-69.03	-13.00	Pass
30	500	0.1	RMS	500.000 M	-63.27	-13.00	Pass
500	1000	0.1	RMS	890.450 M	34.62	-13.00	Fail
1000	9000	1	RMS	3.614 G	-56.31	-13.00	Pass



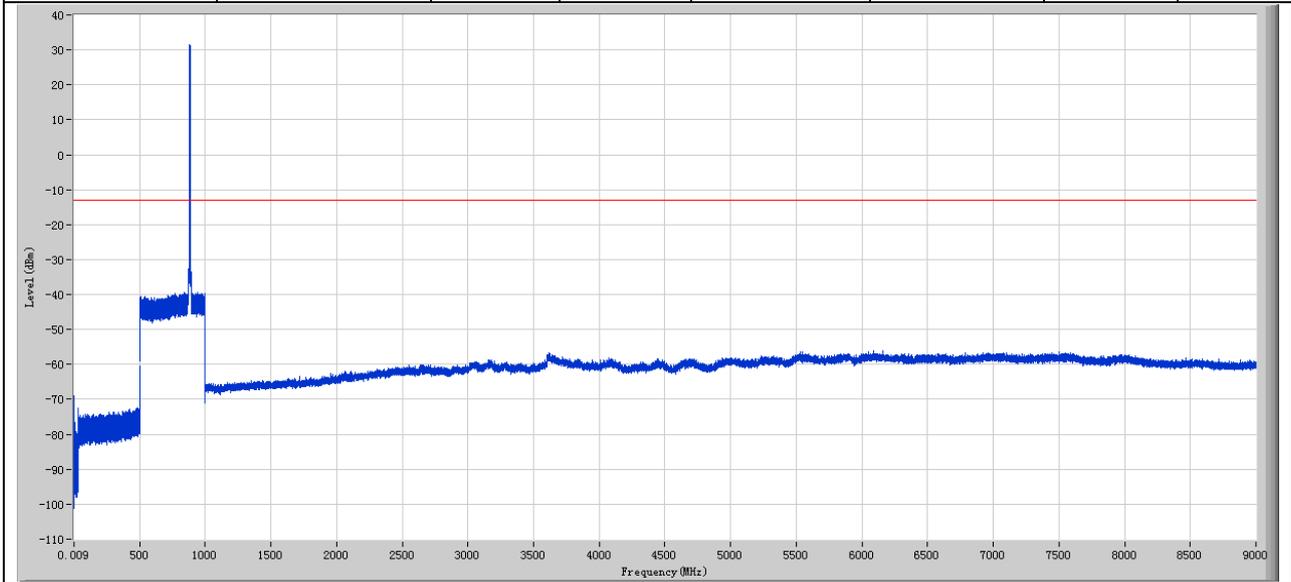
2.28 EUT Conf. 1L_10M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.976 k	-70.31	-13.00	Pass
0.15	30	0.01	RMS	160.447 k	-68.99	-13.00	Pass
30	500	0.1	RMS	500.000 M	-61.41	-13.00	Pass
500	1000	0.1	RMS	877.238 M	31.32	-13.00	Fail
1000	9000	1	RMS	7.602 G	-56.20	-13.00	Pass



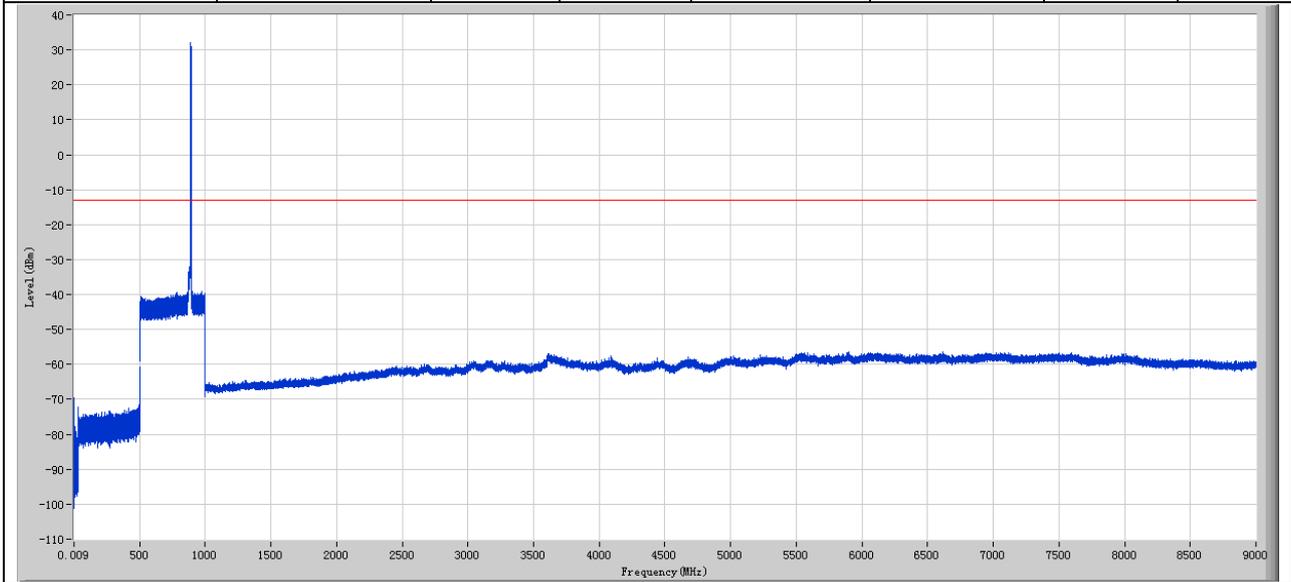
2.29 EUT Conf. 1L_10M_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.419 k	-70.98	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-68.88	-13.00	Pass
30	500	0.1	RMS	500.000 M	-60.52	-13.00	Pass
500	1000	0.1	RMS	877.888 M	31.62	-13.00	Fail
1000	9000	1	RMS	6.162 G	-56.16	-13.00	Pass



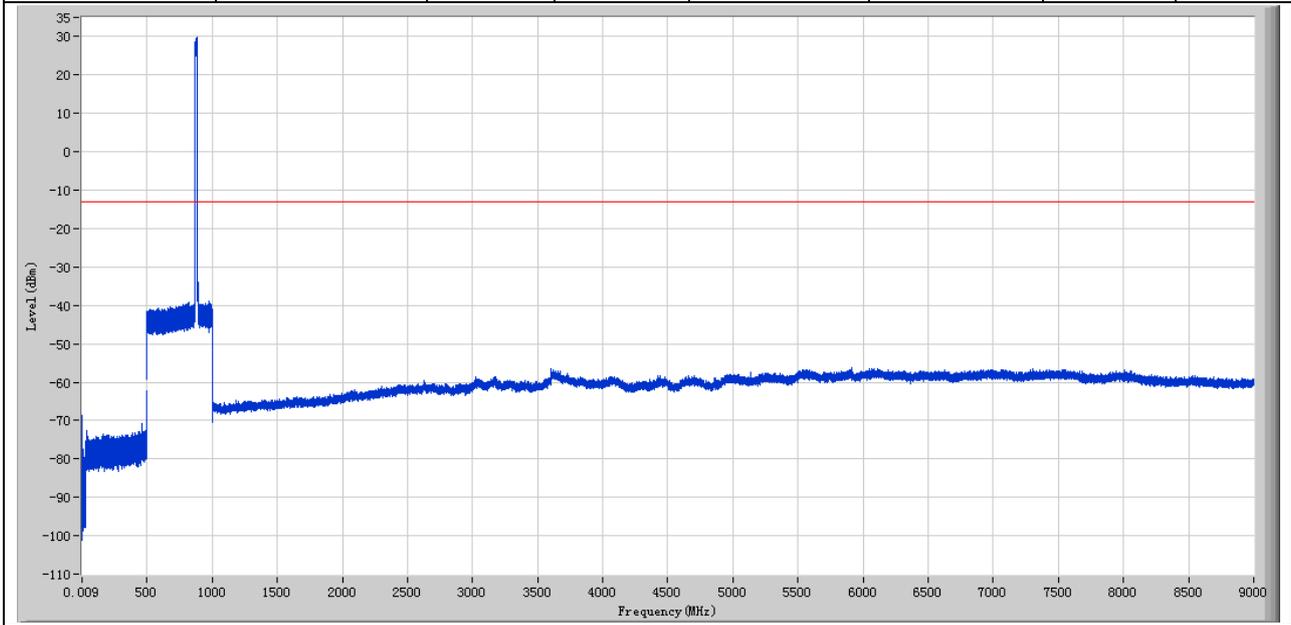
2.30 EUT Conf. 1L_10M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.656 k	-71.14	-13.00	Pass
0.15	30	0.01	RMS	160.447 k	-69.50	-13.00	Pass
30	500	0.1	RMS	500.000 M	-60.82	-13.00	Pass
500	1000	0.1	RMS	885.338 M	32.20	-13.00	Fail
1000	9000	1	RMS	6.613 G	-56.31	-13.00	Pass



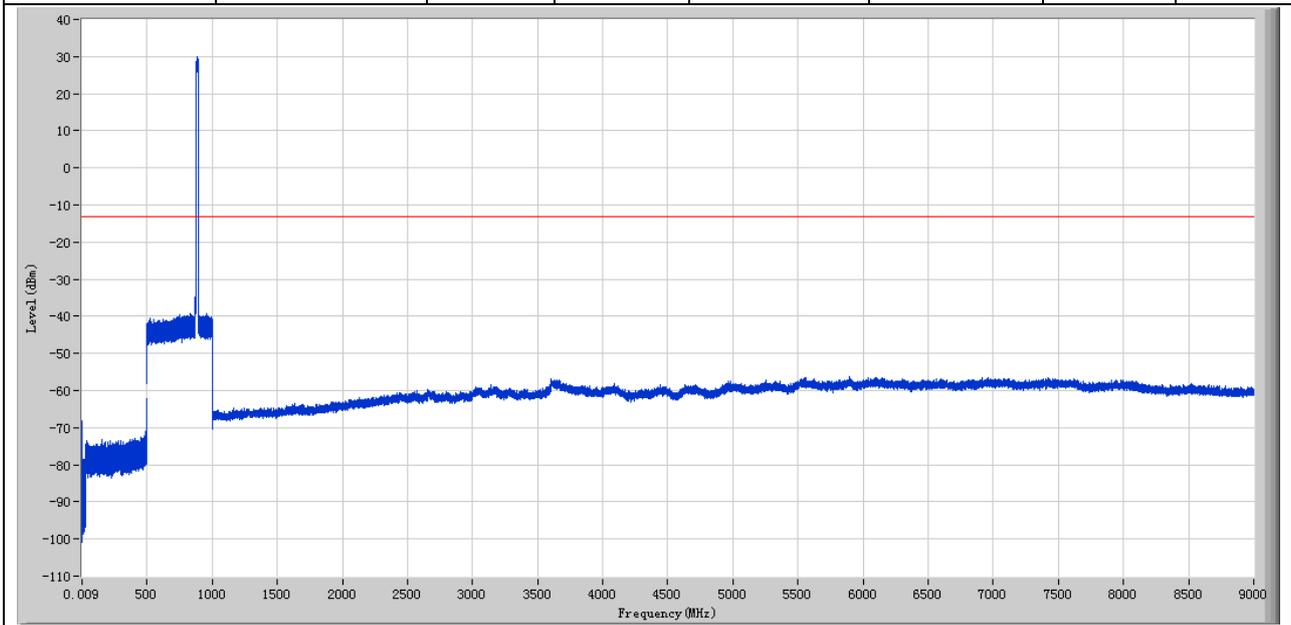
2.31 EUT Conf. 1L_15M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.286 k	-69.60	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-68.58	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.40	-13.00	Pass
500	1000	0.1	RMS	882.988 M	29.95	-13.00	Fail
1000	9000	1	RMS	5.914 G	-56.28	-13.00	Pass



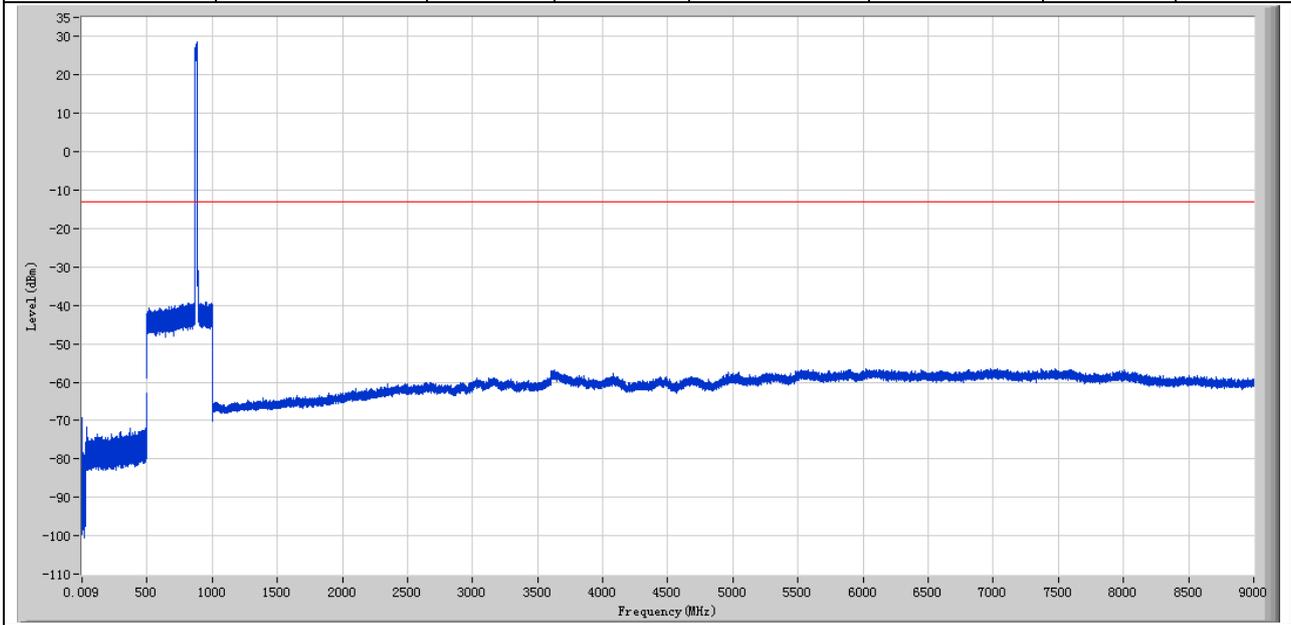
2.32 EUT Conf. 1L_15M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.169 k	-69.63	-13.00	Pass
0.15	30	0.01	RMS	157.463 k	-68.02	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.31	-13.00	Pass
500	1000	0.1	RMS	886.038 M	30.08	-13.00	Fail
1000	9000	1	RMS	5.899 G	-56.24	-13.00	Pass



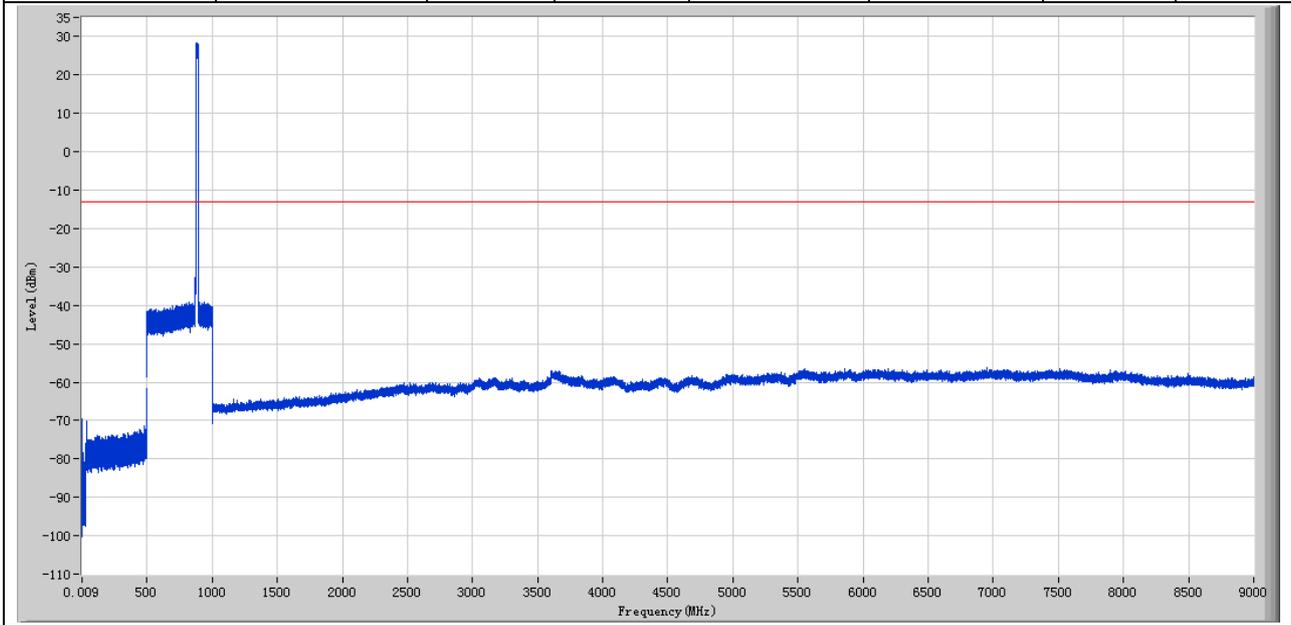
2.33 EUT Conf. 1L_20M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.434 k	-72.98	-13.00	Pass
0.15	30	0.01	RMS	159.701 k	-69.36	-13.00	Pass
30	500	0.1	RMS	500.000 M	-62.98	-13.00	Pass
500	1000	0.1	RMS	885.100 M	28.60	-13.00	Fail
1000	9000	1	RMS	6.021 G	-56.43	-13.00	Pass



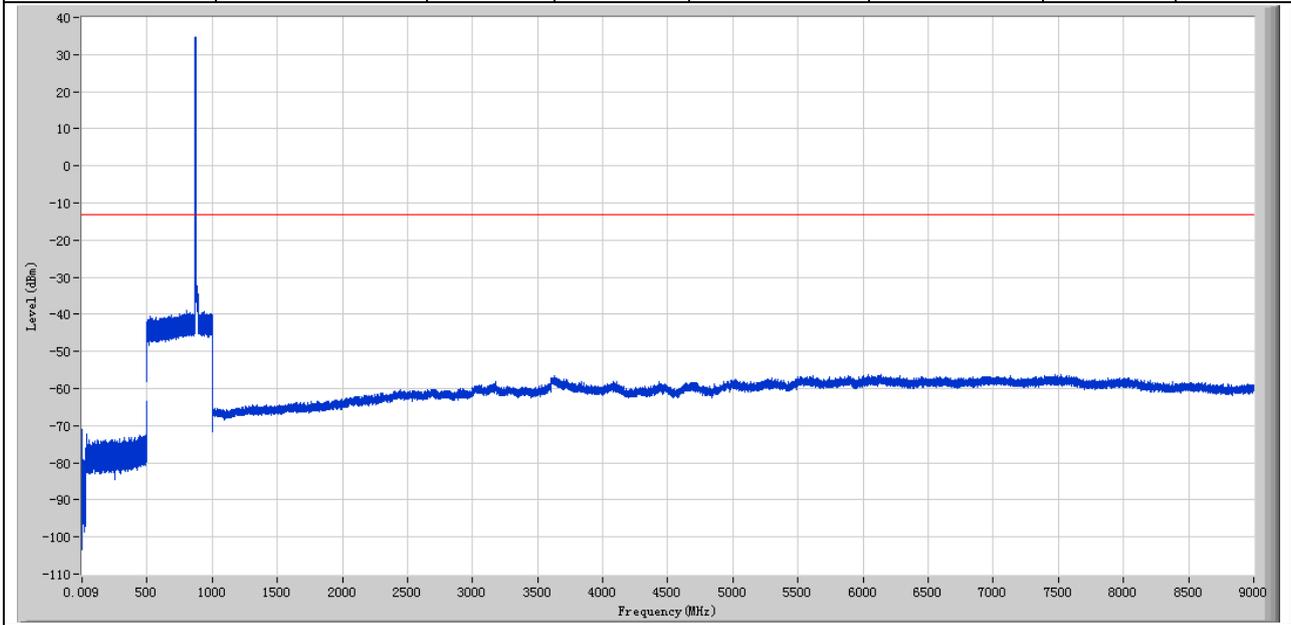
2.34 EUT Conf. 1L_20M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.469 k	-73.52	-13.00	Pass
0.15	30	0.01	RMS	156.716 k	-69.47	-13.00	Pass
30	500	0.1	RMS	500.000 M	-61.63	-13.00	Pass
500	1000	0.1	RMS	889.063 M	28.34	-13.00	Fail
1000	9000	1	RMS	6.954 G	-56.13	-13.00	Pass



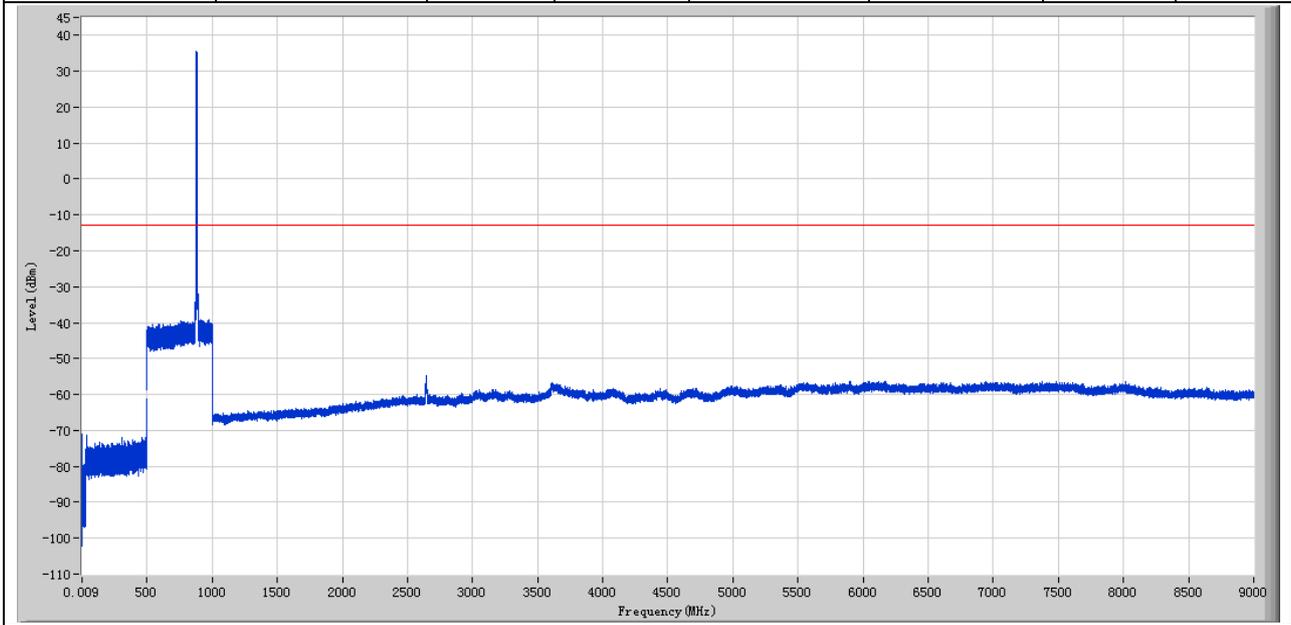
2.35 EUT Conf. 3C1L_1XEVD0_1M4_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.455 k	-70.90	-13.00	Pass
0.15	30	0.01	RMS	155.970 k	-71.50	-13.00	Pass
30	500	0.1	RMS	499.988 M	-63.60	-13.00	Pass
500	1000	0.1	RMS	872.463 M	34.67	-13.00	Fail
1000	9000	1	RMS	6.142 G	-56.19	-13.00	Pass



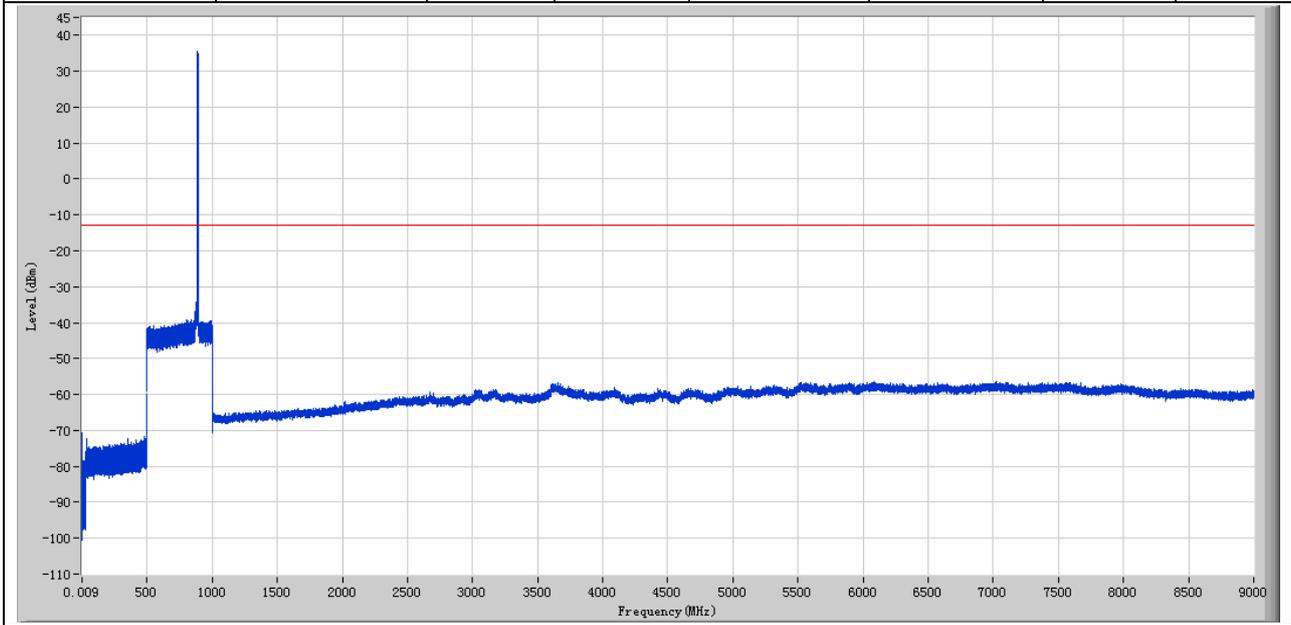
2.36 EUT Conf. 3C1L_1XEVD0_1M4_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.627 k	-71.02	-13.00	Pass
0.15	30	0.01	RMS	153.731 k	-71.79	-13.00	Pass
30	500	0.1	RMS	500.000 M	-61.40	-13.00	Pass
500	1000	0.1	RMS	879.850 M	35.53	-13.00	Fail
1000	9000	1	RMS	2.642 G	-54.79	-13.00	Pass



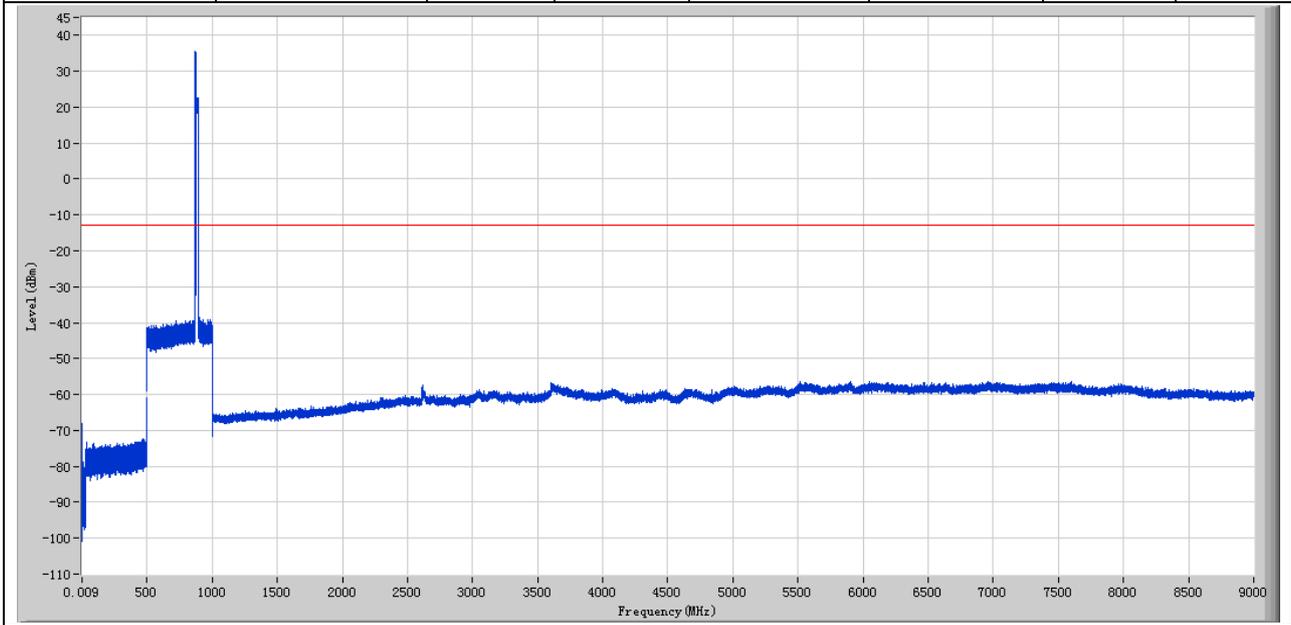
2.37 EUT Conf. 3C1L_1XEVD0_1M4_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.730 k	-71.40	-13.00	Pass
0.15	30	0.01	RMS	159.701 k	-70.80	-13.00	Pass
30	500	0.1	RMS	500.000 M	-60.08	-13.00	Pass
500	1000	0.1	RMS	888.900 M	35.53	-13.00	Fail
1000	9000	1	RMS	6.082 G	-56.51	-13.00	Pass



2.38 EUT Conf. 3C1L_1XEVD0_20M_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict
0.009	0.15	0.001	RMS	9.250 k	-68.24	-13.00	Pass
0.15	30	0.01	RMS	159.701 k	-70.31	-13.00	Pass
30	500	0.1	RMS	500.000 M	-61.07	-13.00	Pass
500	1000	0.1	RMS	870.075 M	35.52	-13.00	Fail
1000	9000	1	RMS	5.900 G	-56.26	-13.00	Pass





Appendix F: Field Strength of Spurious Radiation



1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
2C_1X_M	<-13	Pass



Appendix G: Frequency Stability



1 Frequency Error vs. Temperature:

EUT Conf.	Voltage	Temperature	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_20M_M	100%	-30 °C	-2.1112	-0.00240	-0.00351	Pass
1L_20M_M		-20 °C	-4.0186	-0.00456	-0.00567	Pass
1L_20M_M		-10 °C	1.3928	0.00158	0.00046	Pass
1L_20M_M		0 °C	2.4826	0.00282	0.00170	Pass
1L_20M_M		+10 °C	-1.7770	-0.00202	-0.00313	Pass
1L_20M_M		+20 °C	0.98664	0.00112	0	Pass
1L_20M_M		+30 °C	3.2064	0.00364	0.00252	Pass
1L_20M_M		+40 °C	-0.10179	-0.00012	-0.00123	Pass
1L_20M_M		+50 °C	0.80180	0.00091	-0.00021	Pass

2 Frequency Error vs. Voltage:

EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_20M_M	+20 °C	85 %	-2.9092	-0.00330	-0.00250	Pass
1L_20M_M		100 %	-0.70835	-0.00080	0	Pass
1L_20M_M		115 %	-1.3429	-0.00152	-0.00072	Pass



Appendix H: Receiver Spurious Emissions, Conducted



NOTE: The requirements are only applicable to IC requirements.

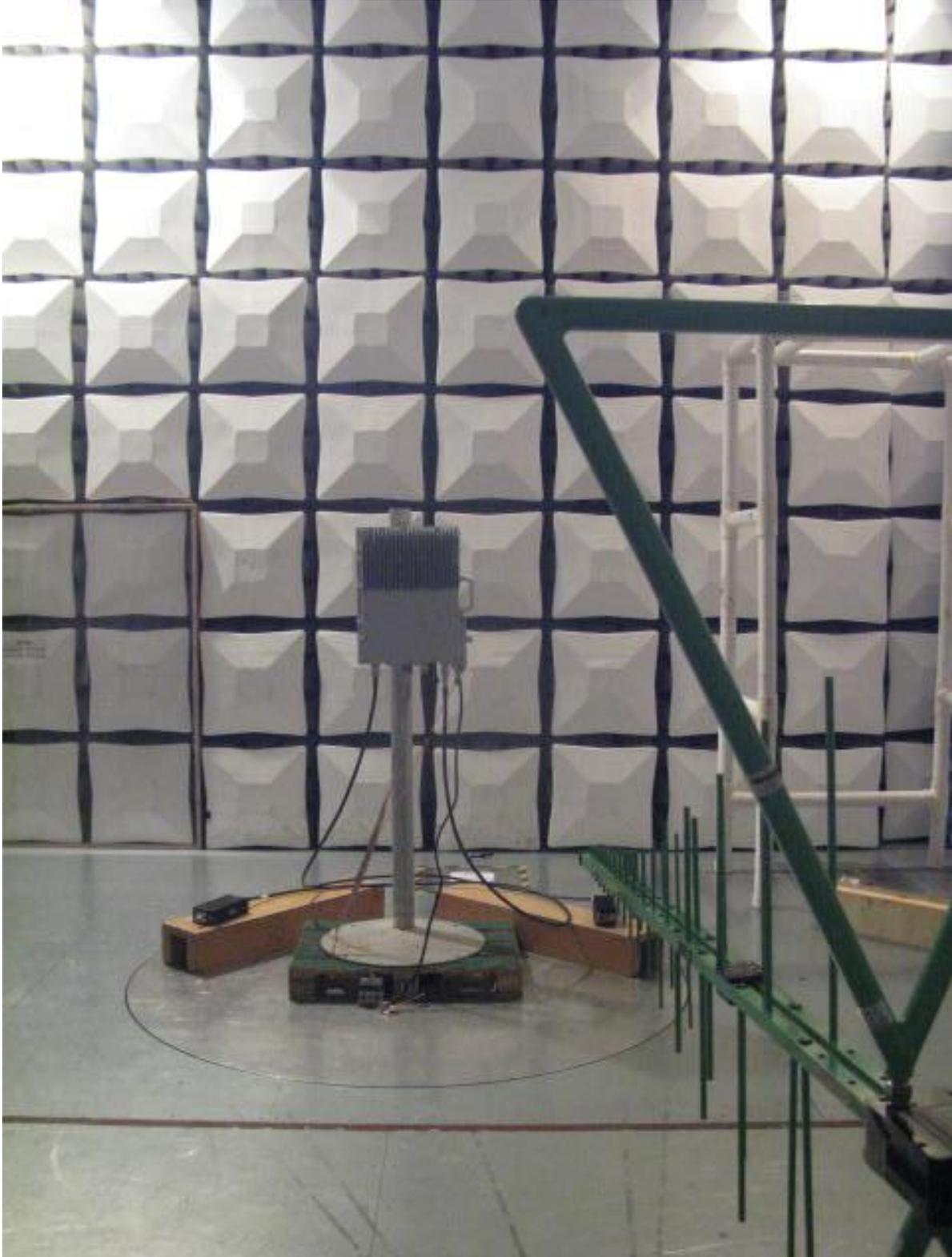
(Not applicable)



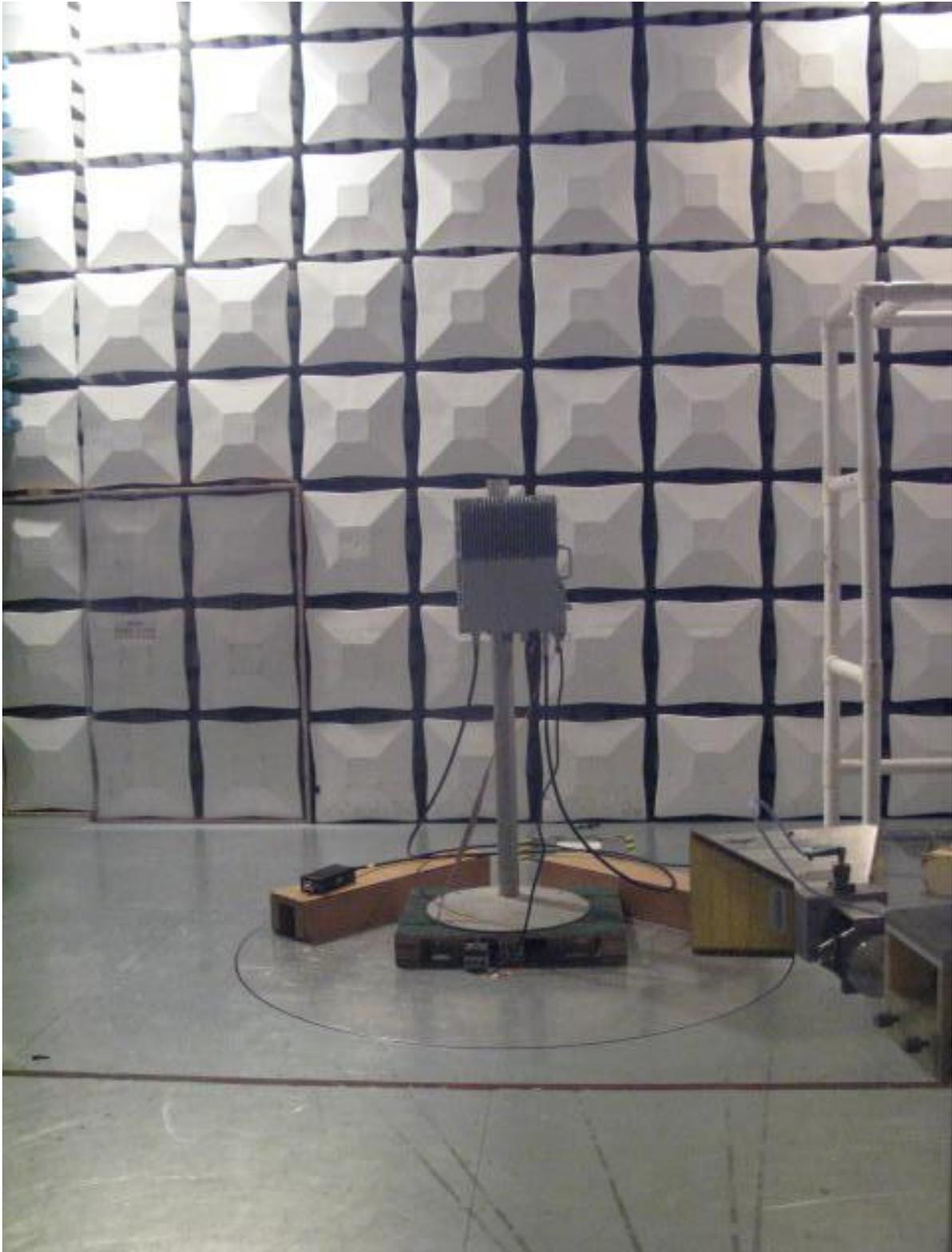
Appendix I: Photos of Test Setups

1 Test Setup 3

1.1 Frequency range below 1 GHz



1.2 Frequency range above 1 GHz



END