



# Appendix A: Transmitter Output Power

## 1 Result Table

### 1.1 Channel Power, Total

NOTE: If applicable, the EIRP [W] =  $10^{((\text{Channel Power [dBm]} + \text{Antenna Gain [dBi]} + 10 \log_{10} (N)) / 10 - 3)}$ , and the ERP [W] = EIRP [W] / 1.64. N is the number of transmitter output port.

EUT Conf.	Channel Power per Port [dBm]	Channel Power per Port [W]	Verdict
1L_1.4M_E-TM1.1_B	45.87	38.64	--
1L_1.4M_E-TM1.1_M	45.92	39.08	--
1L_1.4M_E-TM1.1_T	45.72	37.33	--
1L_3M_E-TM1.1_B	45.88	38.73	--
1L_3M_E-TM1.1_M	45.83	38.28	--
1L_3M_E-TM1.1_T	45.85	38.46	--
1L_5M_E-TM1.1_B	46.00	39.81	--
1L_5M_E-TM1.1_M	45.92	39.08	--
1L_5M_E-TM1.1_T	45.76	37.67	--
1L_10M_E-TM1.1_B	45.96	39.45	--
1L_10M_E-TM1.1_T	45.9	38.90	--
1L_15M_E-TM1.1_B	45.94	39.26	--
1L_15M_E-TM1.1_T	45.93	39.17	--

### 1.2 Power Spectral Density

NOTE: If applicable, the EIRP [W/MHz] =  $10^{((\text{Power Spectral Density [dBm/MHz]} + \text{Antenna Gain [dBi]} + 10 \log_{10} (N)) / 10 - 3)}$ , and the ERP [W/MHz] = EIRP [W/MHz] / 1.64. N is the number of transmitter output port.

The maximum Gain is calculated as follow:

The Maximum Gain (dBi) = 60 (dBm/MHz) - (44.94 (dBm/MHz) + 3 (dB)) - 10 lg10 (2) + 2.15 (dB) = 11.21 (dBi)

EUT Conf.	Power Spectral Density [dBm/MHz]	Power Spectral Density [W/MHz]	Verdict
1L_1.4M_E-TM1.1_B	44.73	29.72	--
1L_1.4M_E-TM1.1_M	44.94	31.19	--
1L_1.4M_E-TM1.1_T	44.76	29.92	--
1L_3M_E-TM1.1_B	41.80	15.14	--
1L_3M_E-TM1.1_M	41.74	14.93	--
1L_3M_E-TM1.1_T	41.82	15.21	--
1L_5M_E-TM1.1_B	39.77	9.48	--
1L_5M_E-TM1.1_M	39.64	9.20	--



EUT Conf.	Power Spectral Density [dBm/MHz]	Power Spectral Density [W/MHz]	Verdict
1L_5M_E-TM1.1_T	39.62	9.16	--
1L_10M_E-TM1.1_B	36.68	4.66	--
1L_10M_E-TM1.1_T	36.63	4.60	--
1L_15M_E-TM1.1_B	34.97	3.14	--
1L_15M_E-TM1.1_T	35.10	3.24	--

### 1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
1L_1.4M_E-TM1.1_B	7.01	Pass
1L_1.4M_E-TM1.1_M	7.02	Pass
1L_1.4M_E-TM1.1_T	6.92	Pass
1L_3M_E-TM1.1_B	7.14	Pass
1L_3M_E-TM1.1_M	7.17	Pass
1L_3M_E-TM1.1_T	7.16	Pass
1L_5M_E-TM1.1_B	7.18	Pass
1L_5M_E-TM1.1_M	7.10	Pass
1L_5M_E-TM1.1_T	7.09	Pass
1L_10M_E-TM1.1_B	7.20	Pass
1L_10M_E-TM1.1_T	7.19	Pass
1L_15M_E-TM1.1_B	7.17	Pass
1L_15M_E-TM1.1_T	7.21	Pass

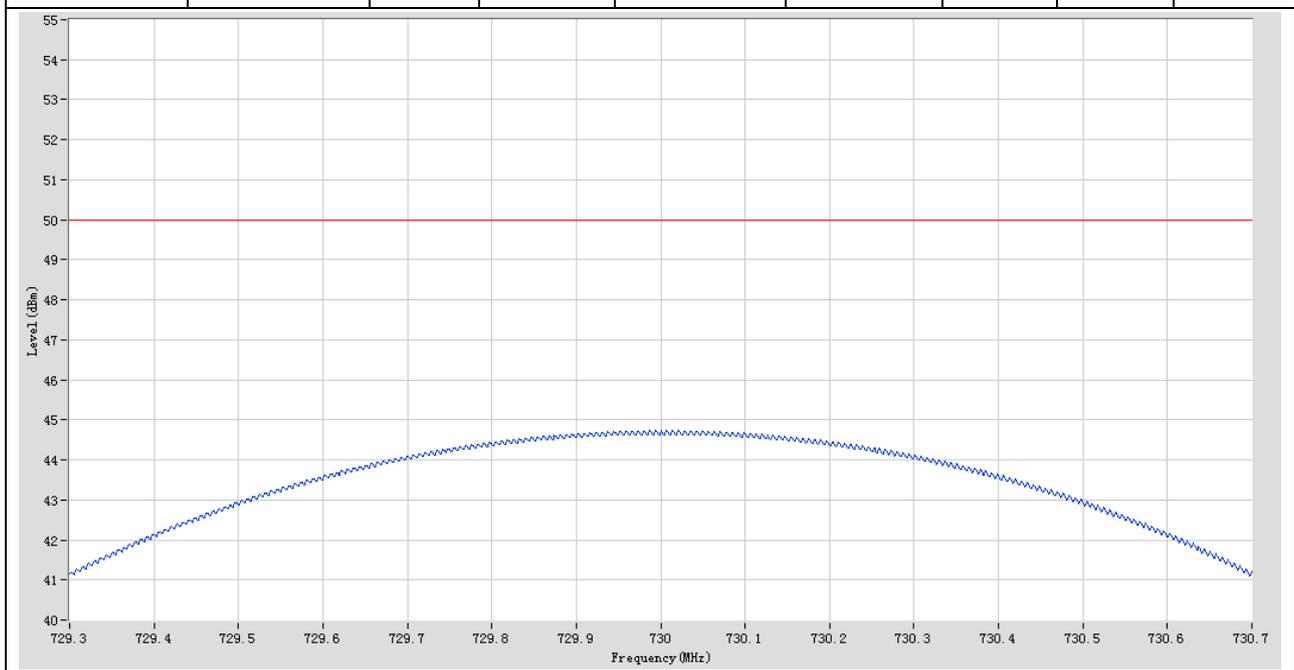
## 2 Test Plot

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

### 2.1 Power Spectral Density

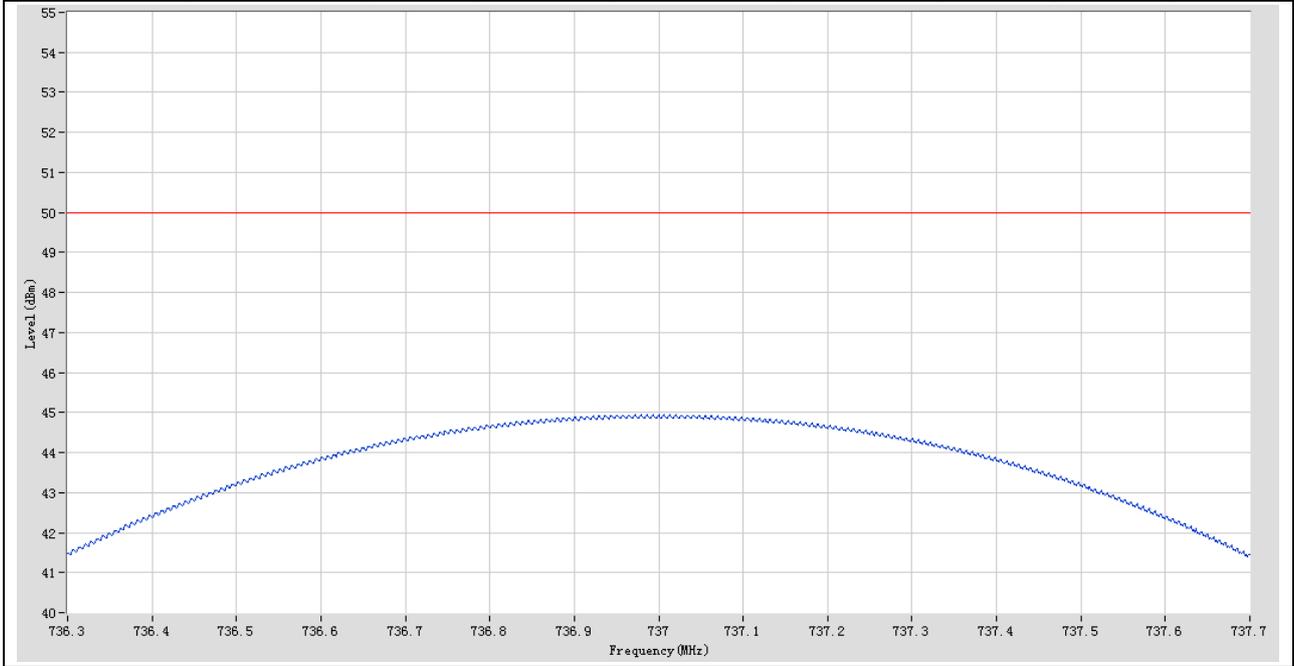
#### 2.1.1 1L\_1.4M\_E-TM1.1\_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.3	730.7	1	RMS	729.993 M	44.73	50	Pass	1001



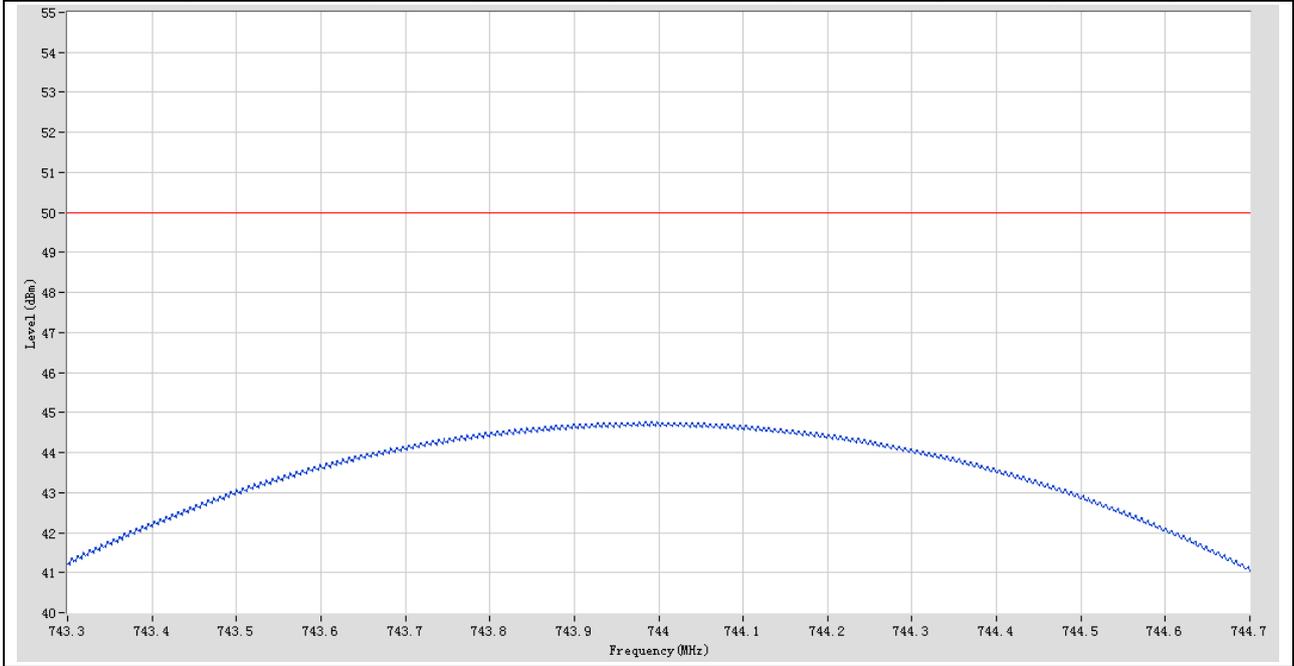
2.1.2 1L\_1.4M\_E-TM1.1\_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
736.3	737.7	1	RMS	737 M	44.94	50	Pass	1001



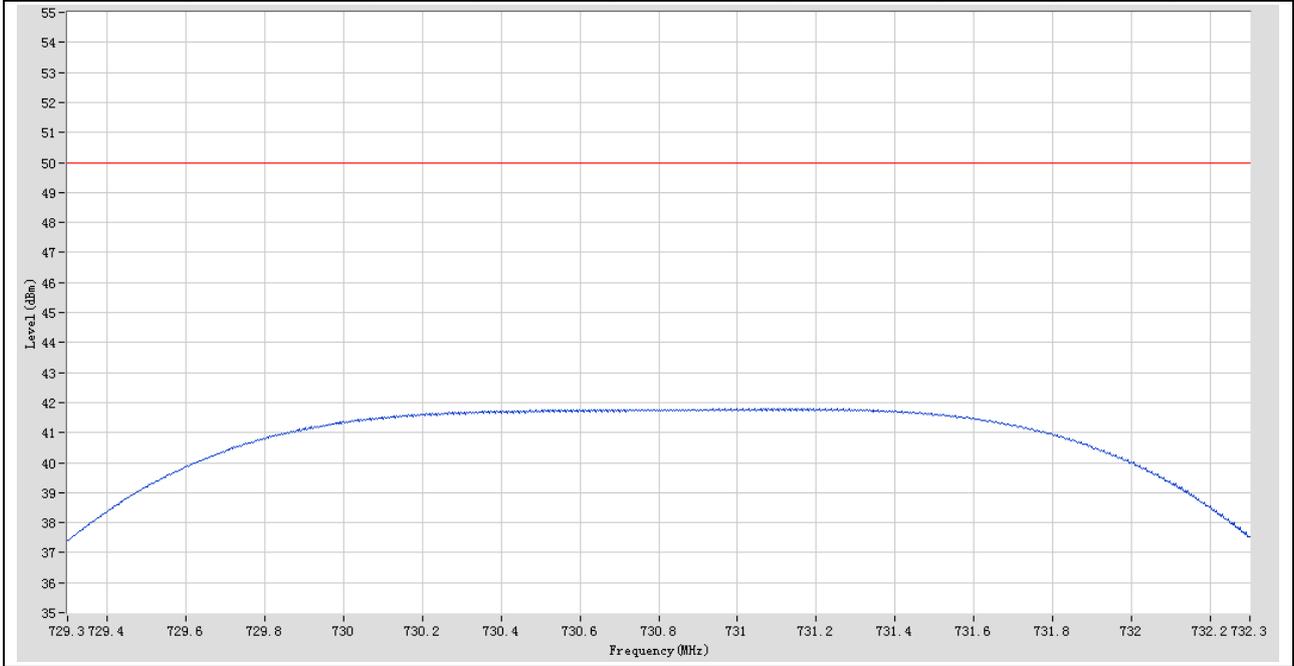
### 2.1.3 1L\_1.4M\_E-TM1.1\_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
743.3	744.7	1	RMS	743.9832 M	44.76	50	Pass	1001



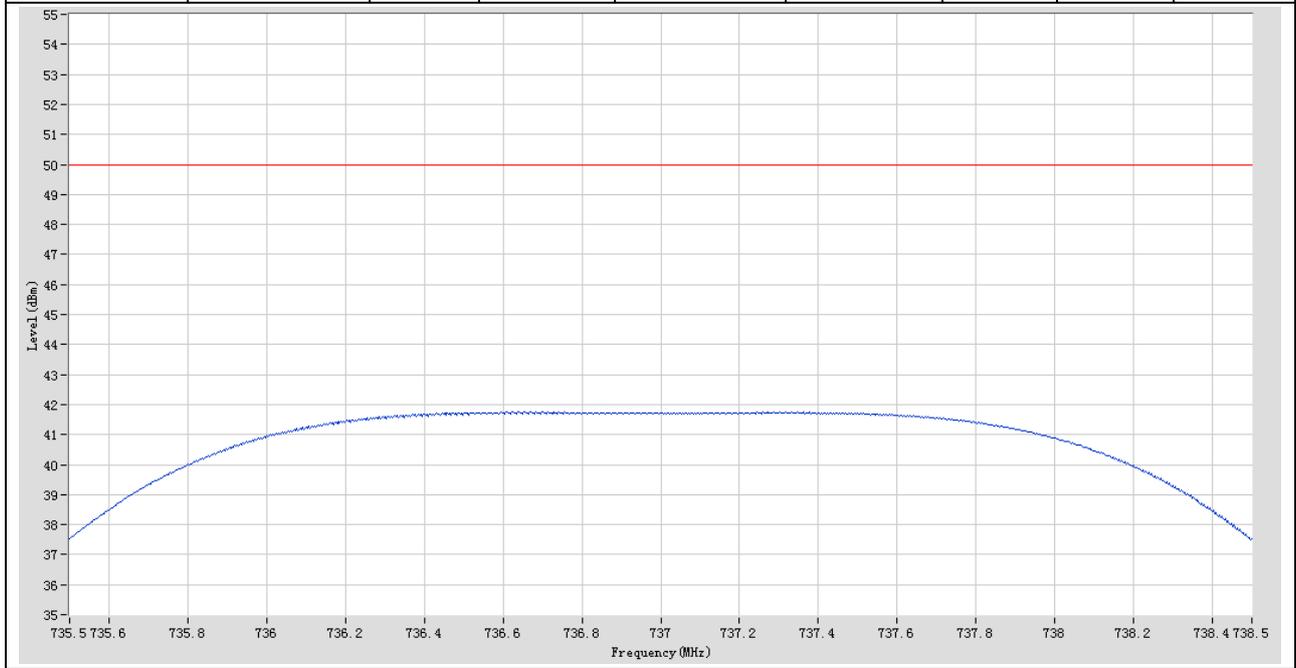
2.1.4 1L\_3M\_E-TM1.1\_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.3	732.3	1	RMS	731.133 M	41.8	50	Pass	1001



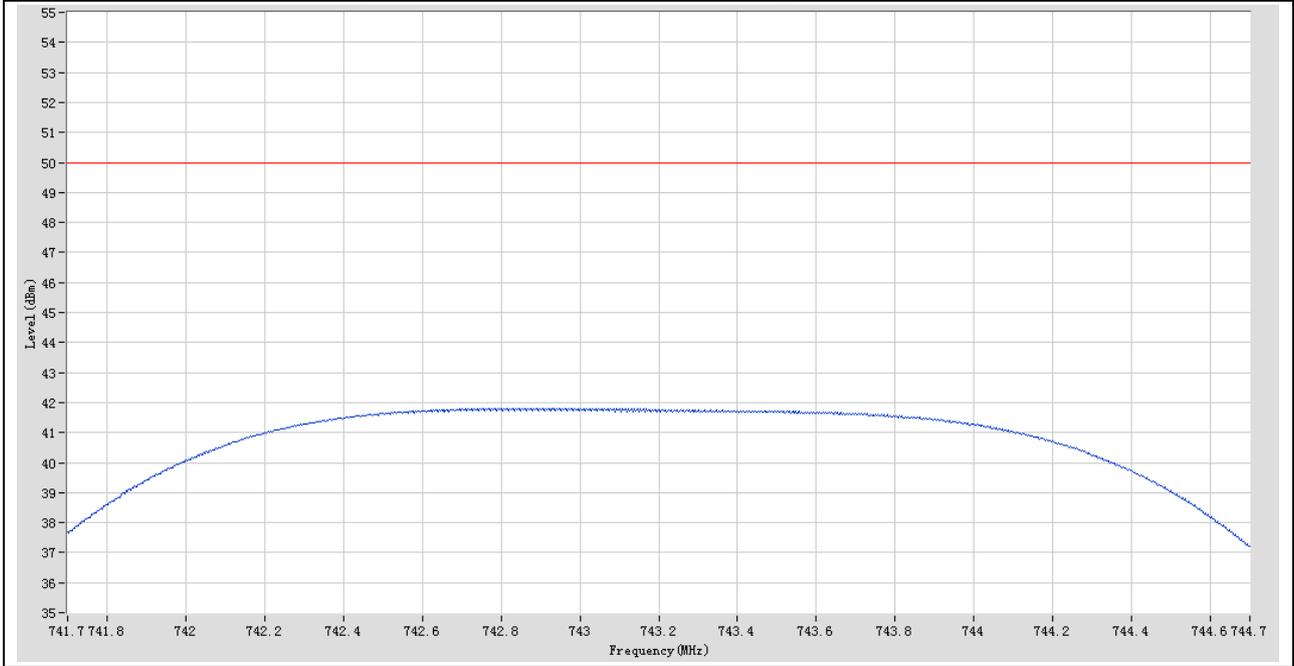
### 2.1.5 1L\_3M\_E-TM1.1\_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
735.5	738.5	1	RMS	736.667 M	41.74	50	Pass	1001



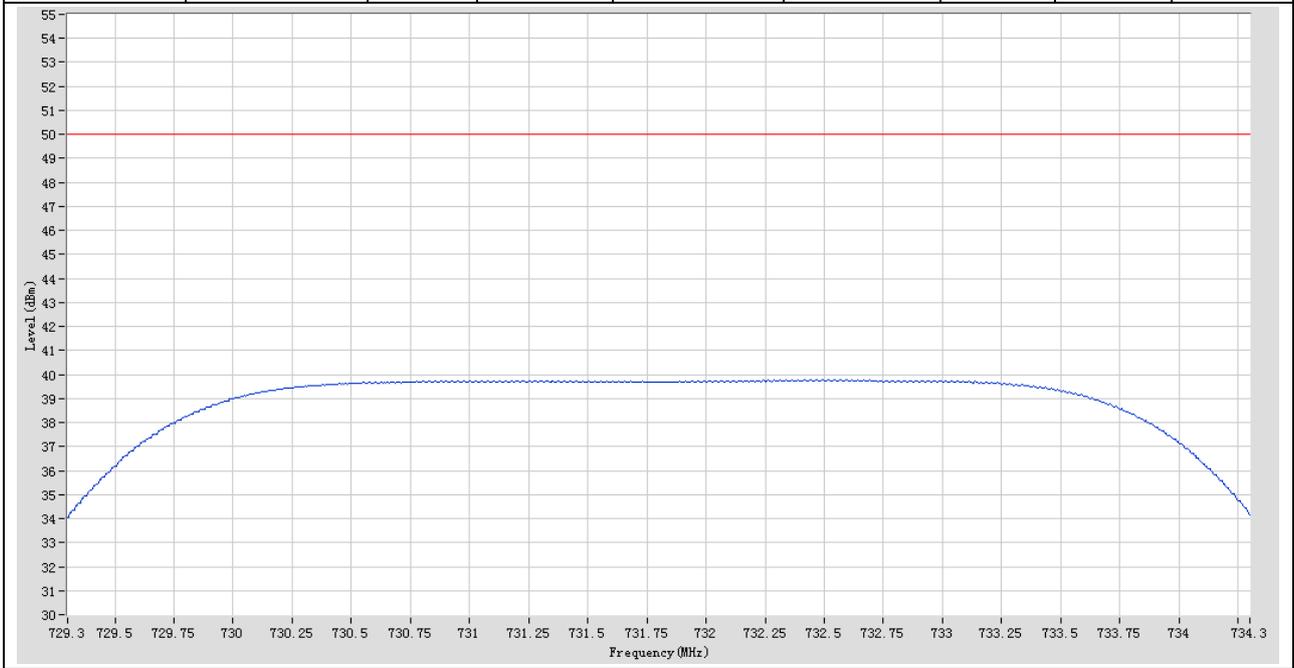
### 2.1.6 1L\_3M\_E-TM1.1\_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
741.7	744.7	1	RMS	742.882 M	41.82	50	Pass	1001



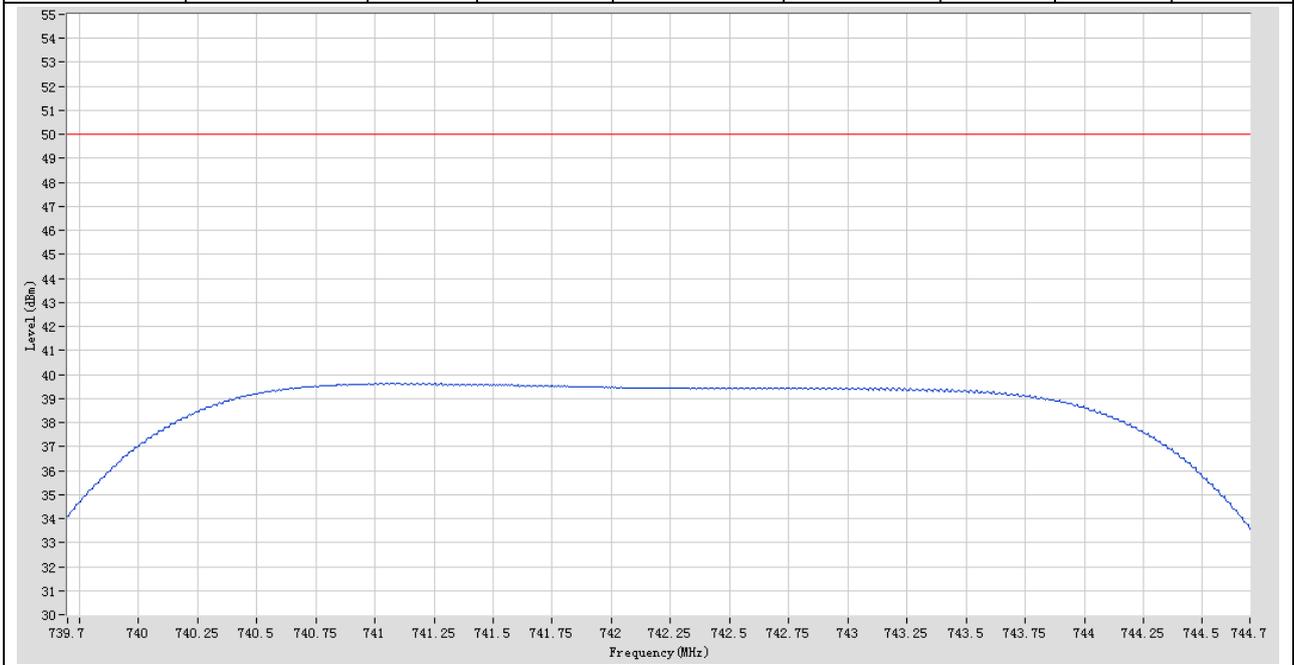
### 2.1.7 1L\_5M\_E-TM1.1\_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.3	734.3	1	RMS	732.44 M	39.77	50	Pass	1001



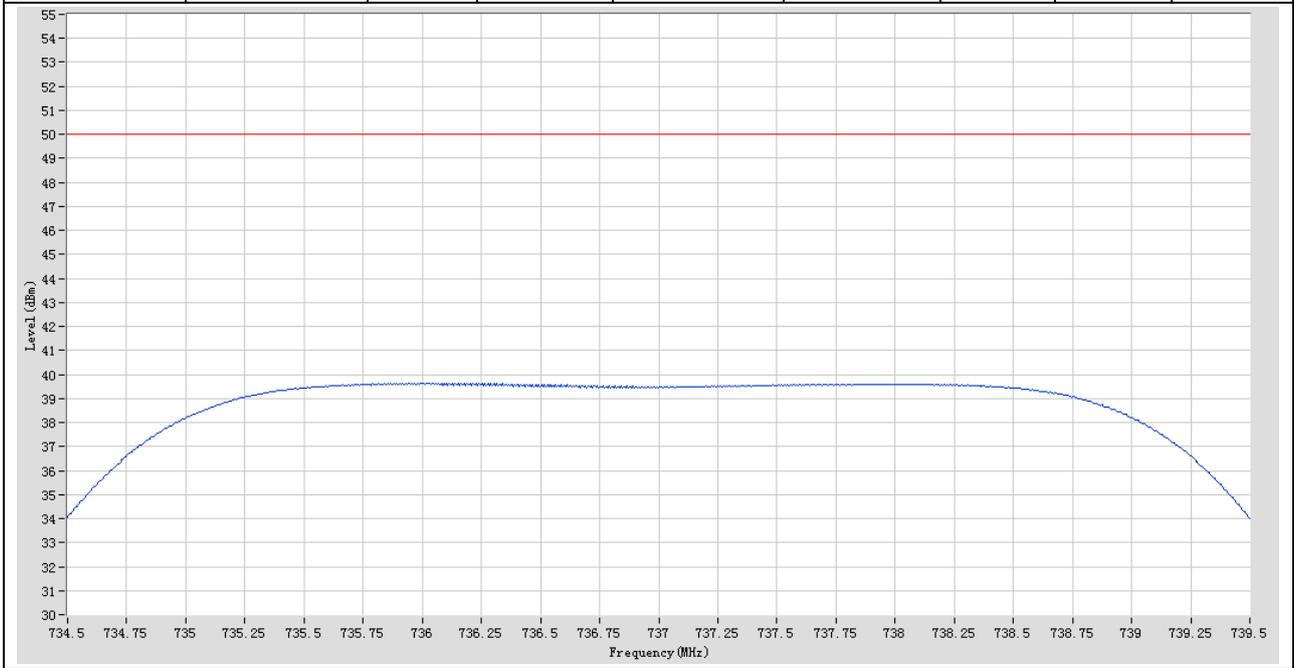
### 2.1.8 1L\_5M\_E-TM1.1\_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
739.7	744.7	1	RMS	741.1 M	39.62	50	Pass	1001



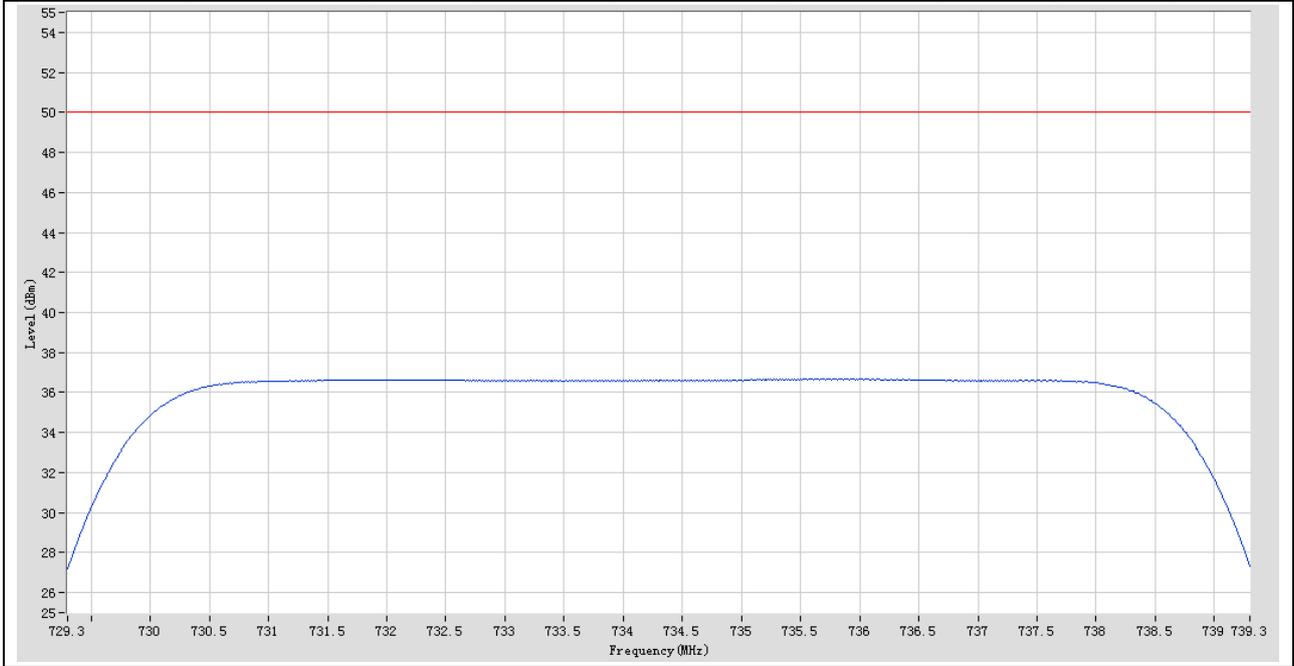
### 2.1.9 1L\_5M\_E-TM1.1\_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
734.5	739.5	1	RMS	736.015 M	39.64	50	Pass	1001



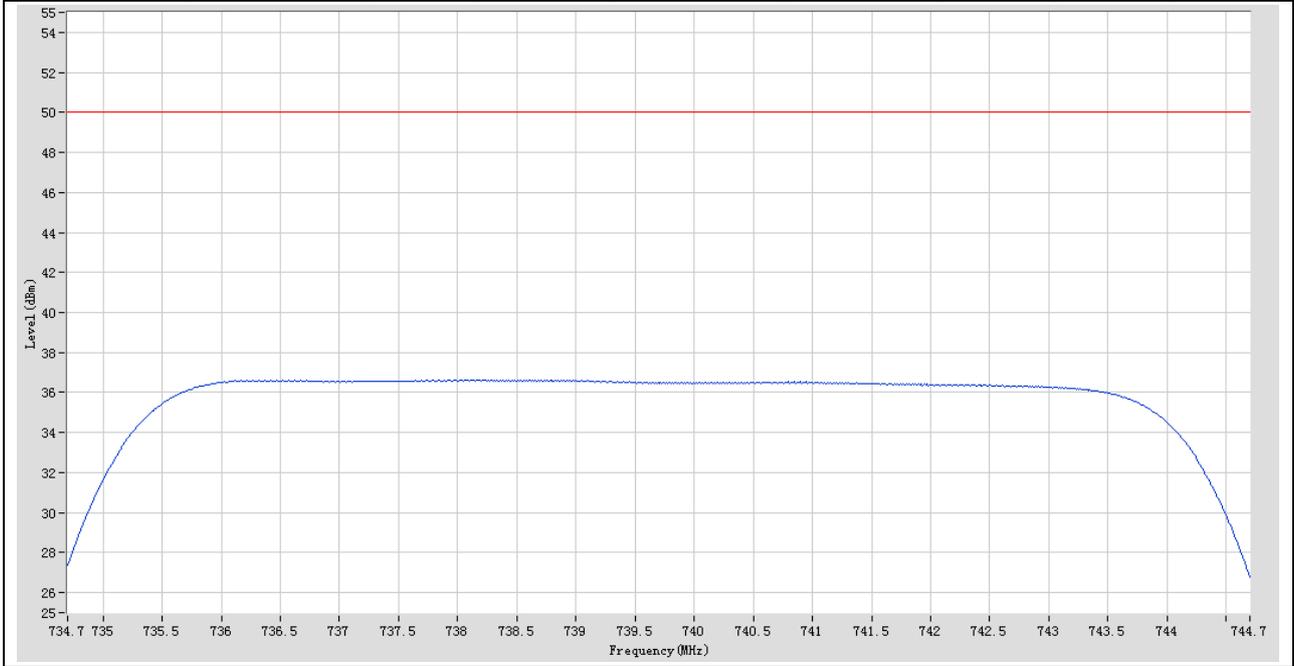
**2.1.10 1L\_10M\_E-TM1.1\_B**

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.3	739.3	1	RMS	735.93 M	36.68	50	Pass	1001



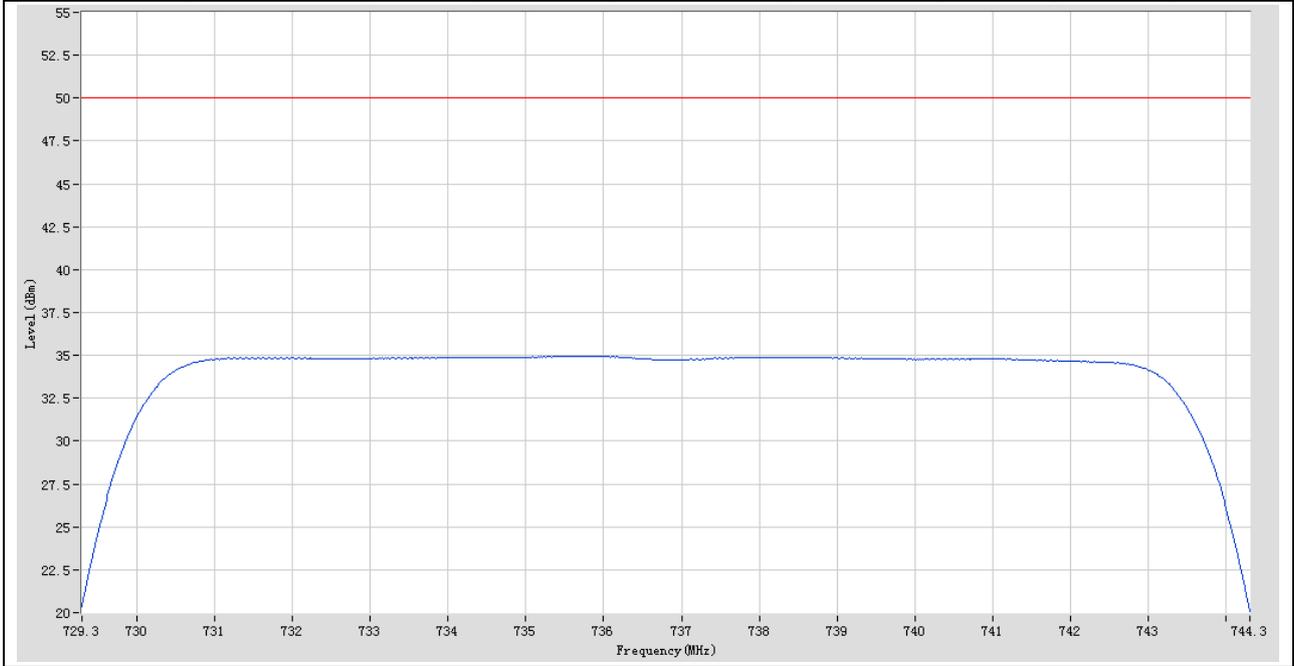
2.1.11 1L\_10M\_E-TM1.1\_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
734.7	744.7	1	RMS	736.37 M	36.63	50	Pass	1001



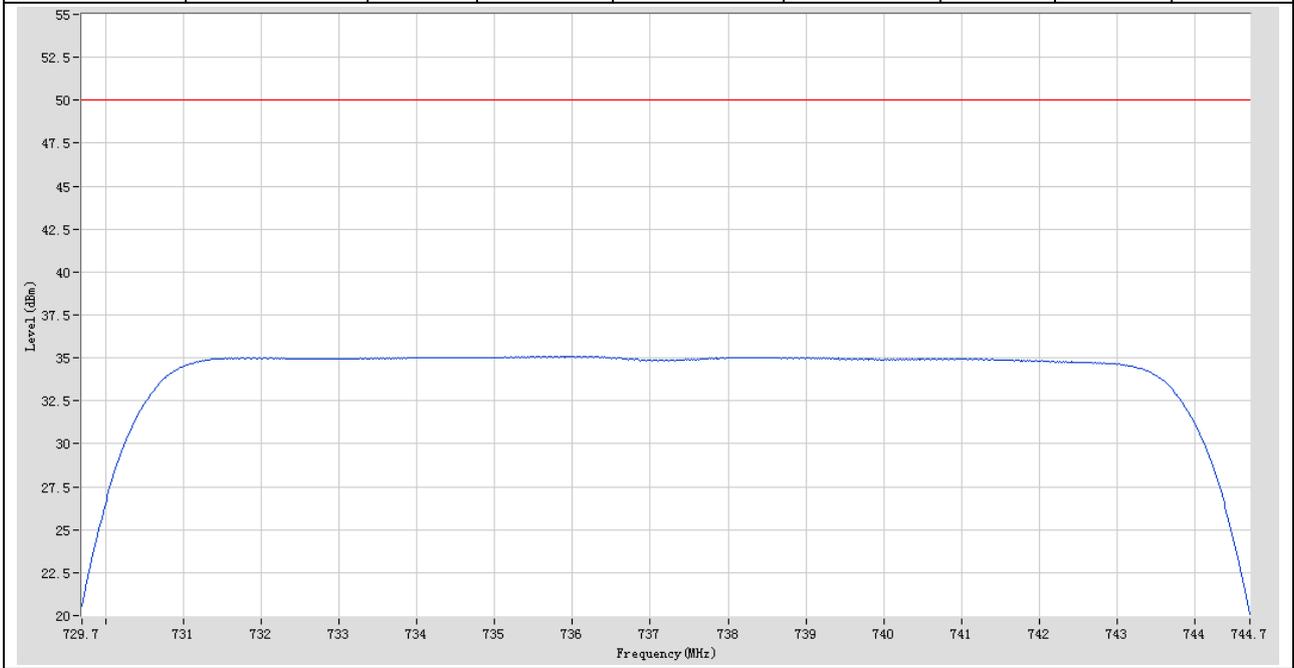
2.1.12 1L\_15M\_E-TM1.1\_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.3	744.3	1	RMS	735.885 M	34.97	50	Pass	1001



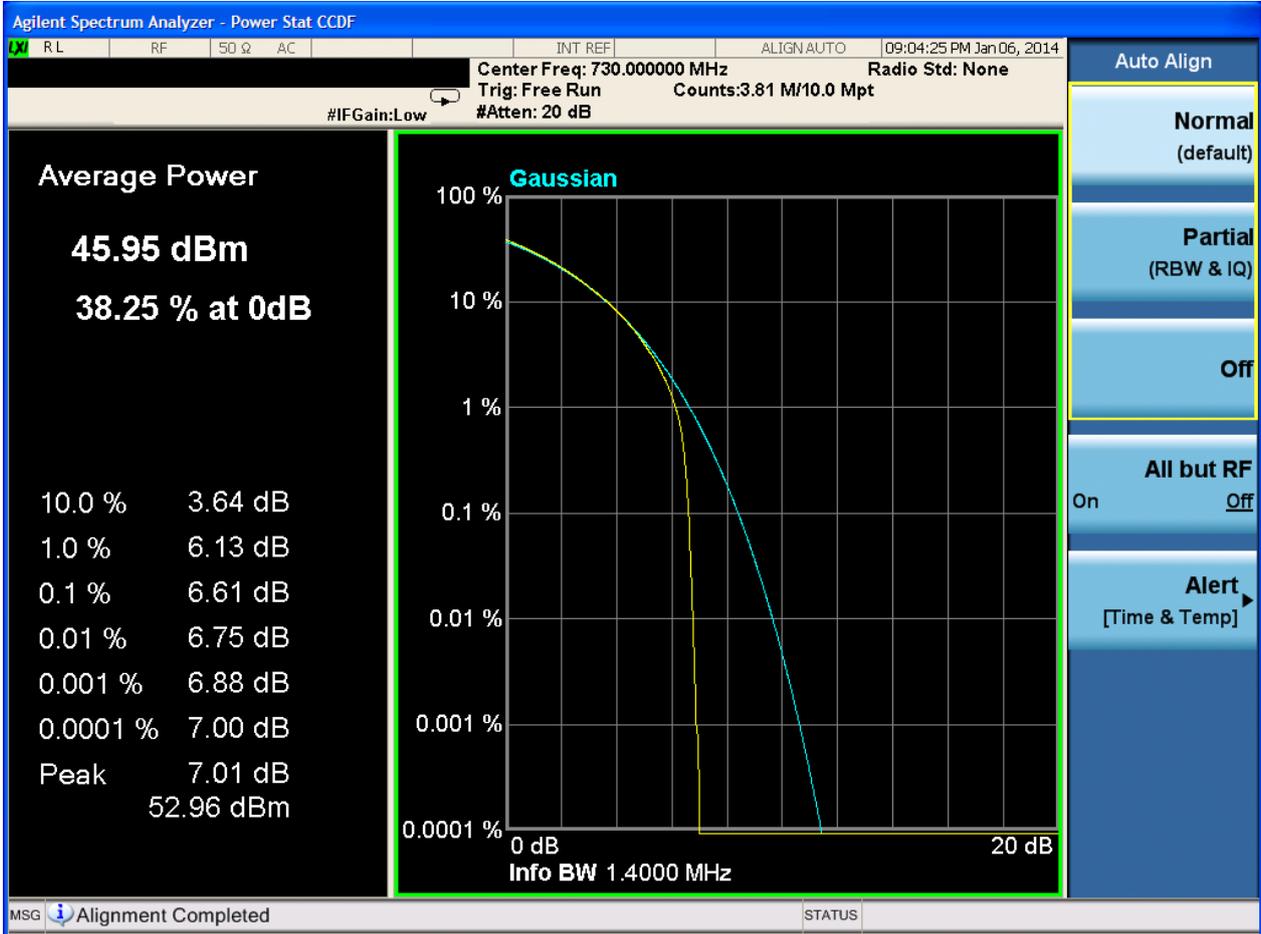
2.1.13 1L\_15M\_E-TM1.1\_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
729.7	744.7	1	RMS	736.03 M	35.1	50	Pass	1001

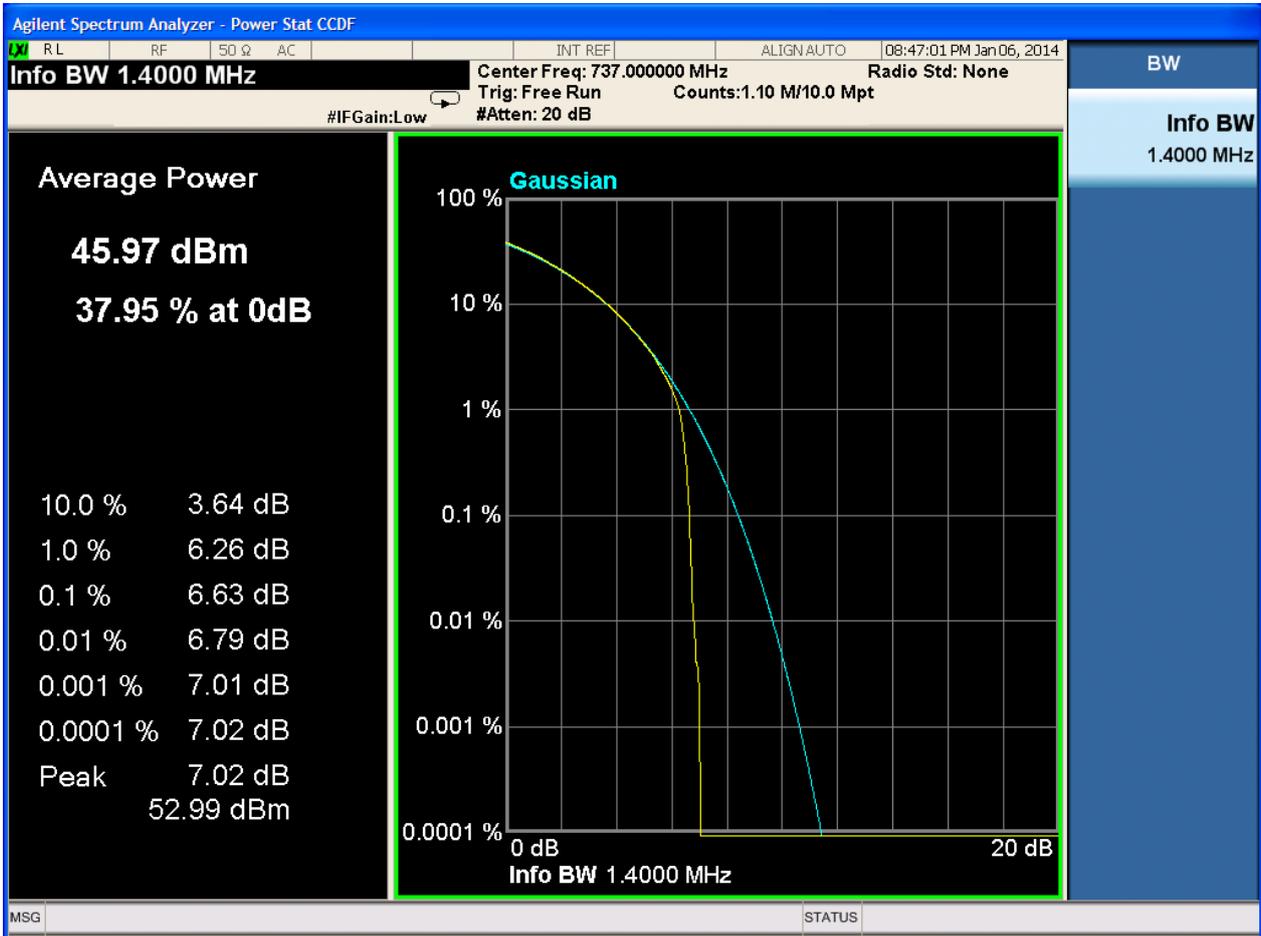


## 2.2 Peak-to-Average Ratio

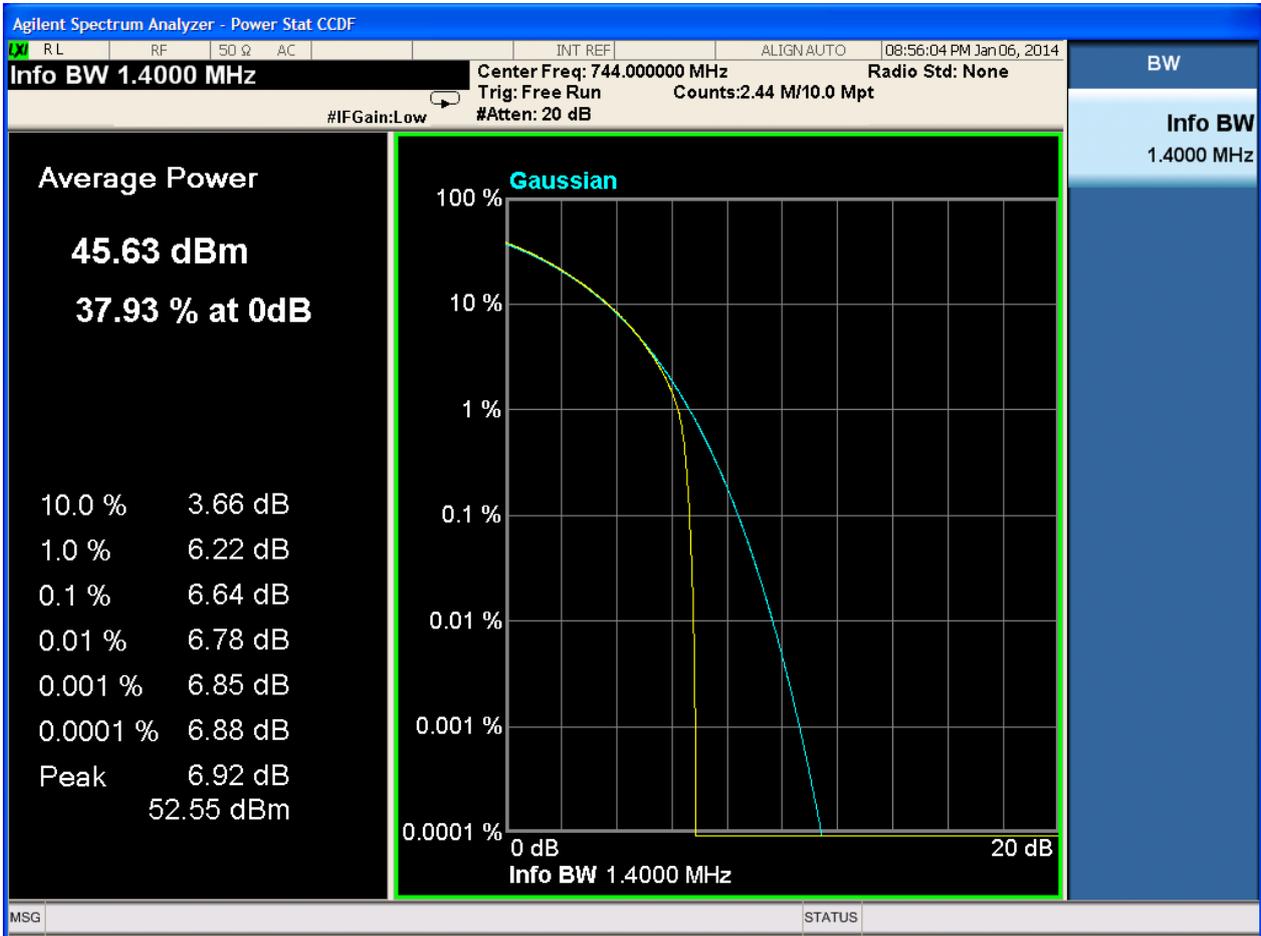
### 2.2.1 1L\_1.4M\_E-TM1.1\_B



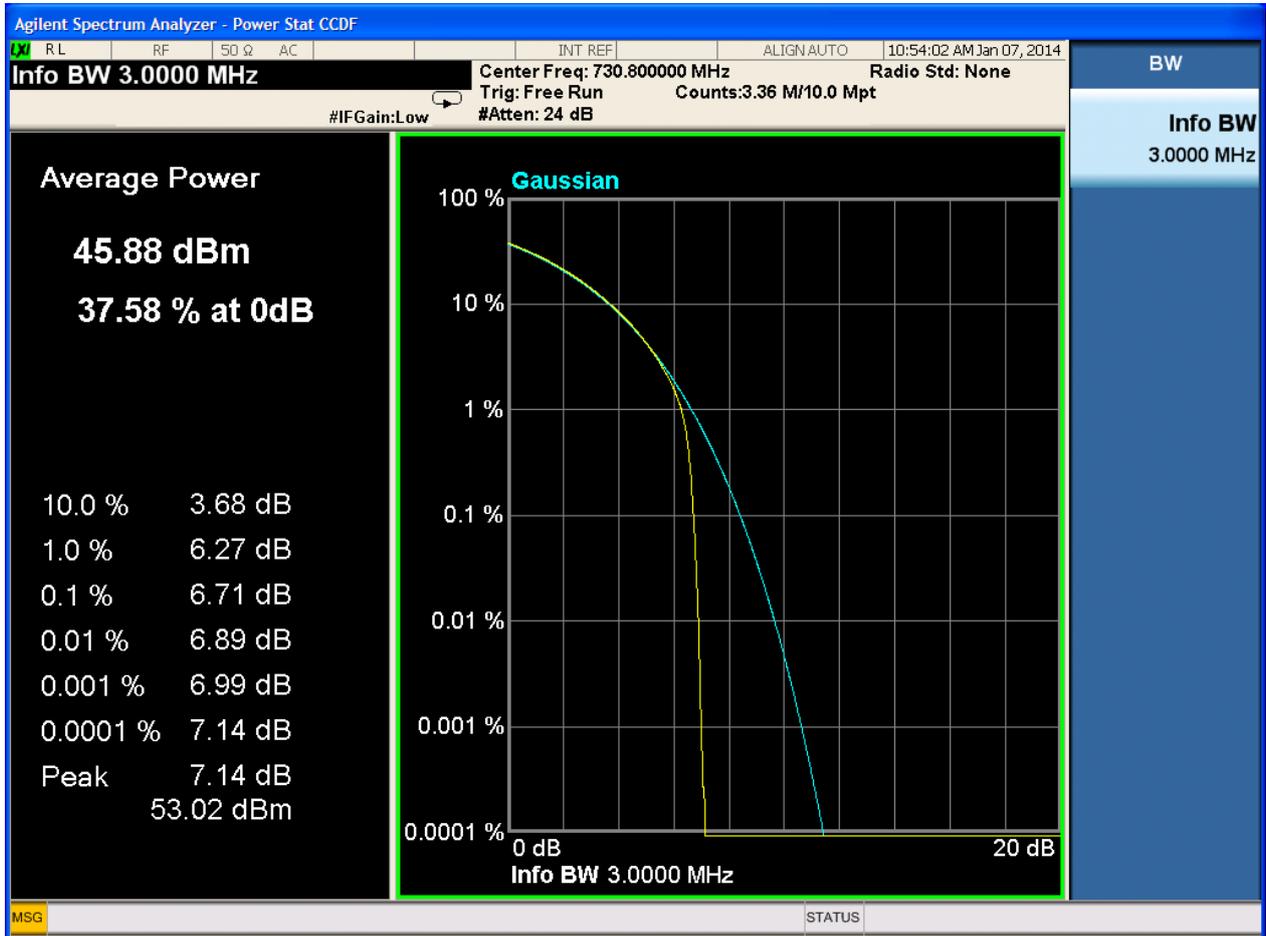
2.2.2 1L\_1.4M\_E-TM1.1\_M



2.2.3 1L\_1.4M\_E-TM1.1\_T



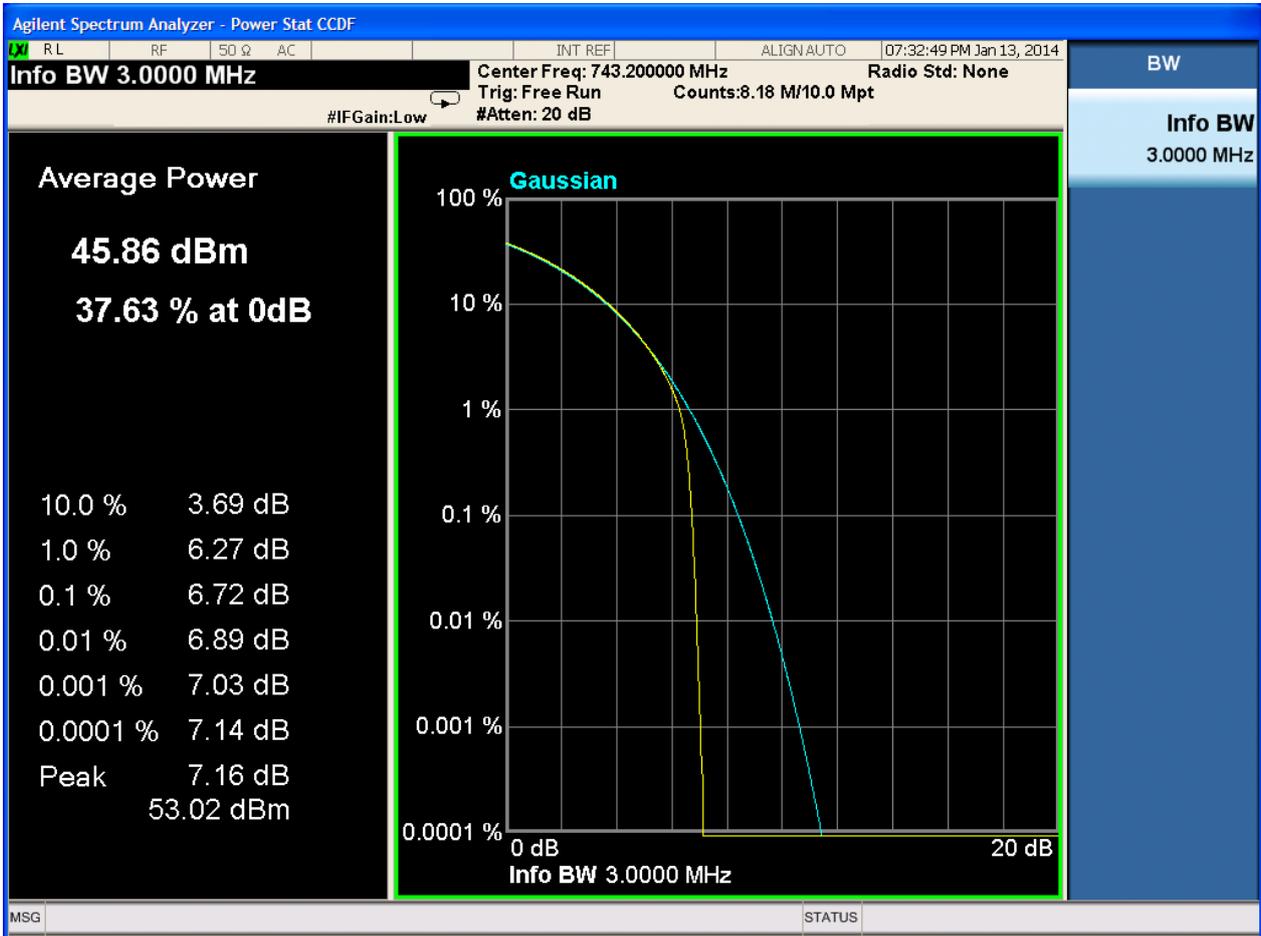
2.2.4 1L\_3M\_E-TM1.1\_B



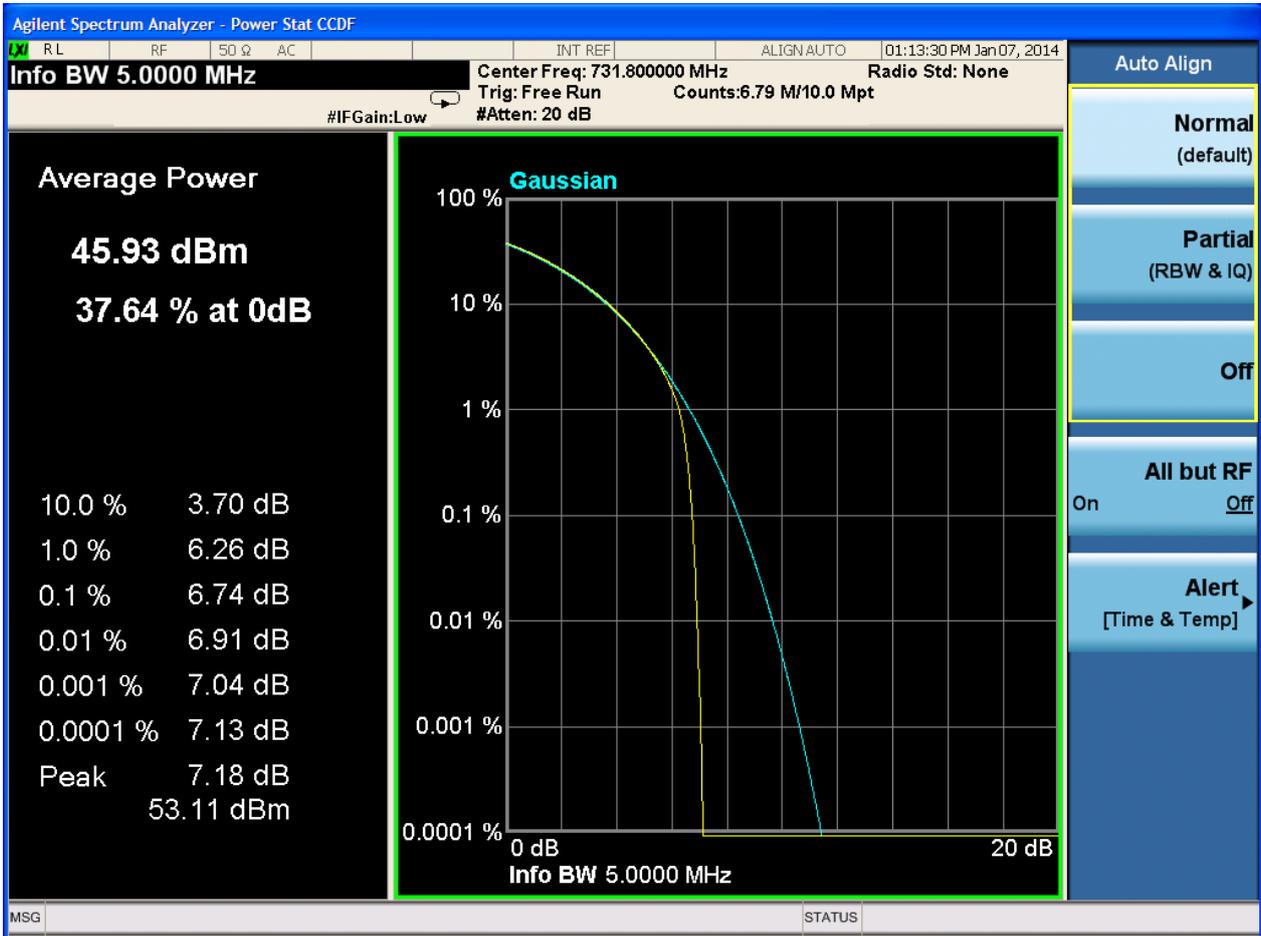
2.2.5 1L\_3M\_E-TM1.1\_M



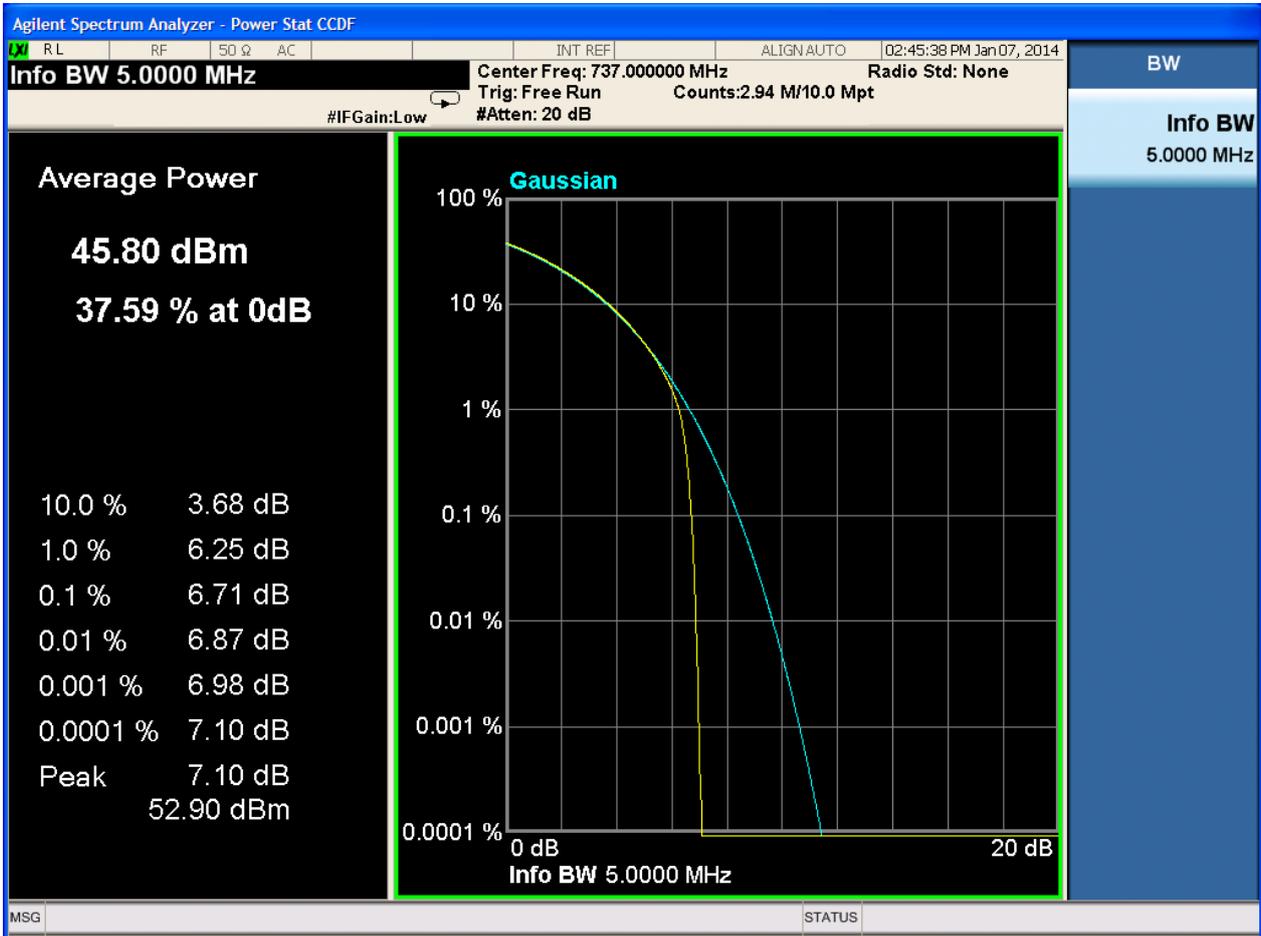
2.2.6 1L\_3M\_E-TM1.1\_T



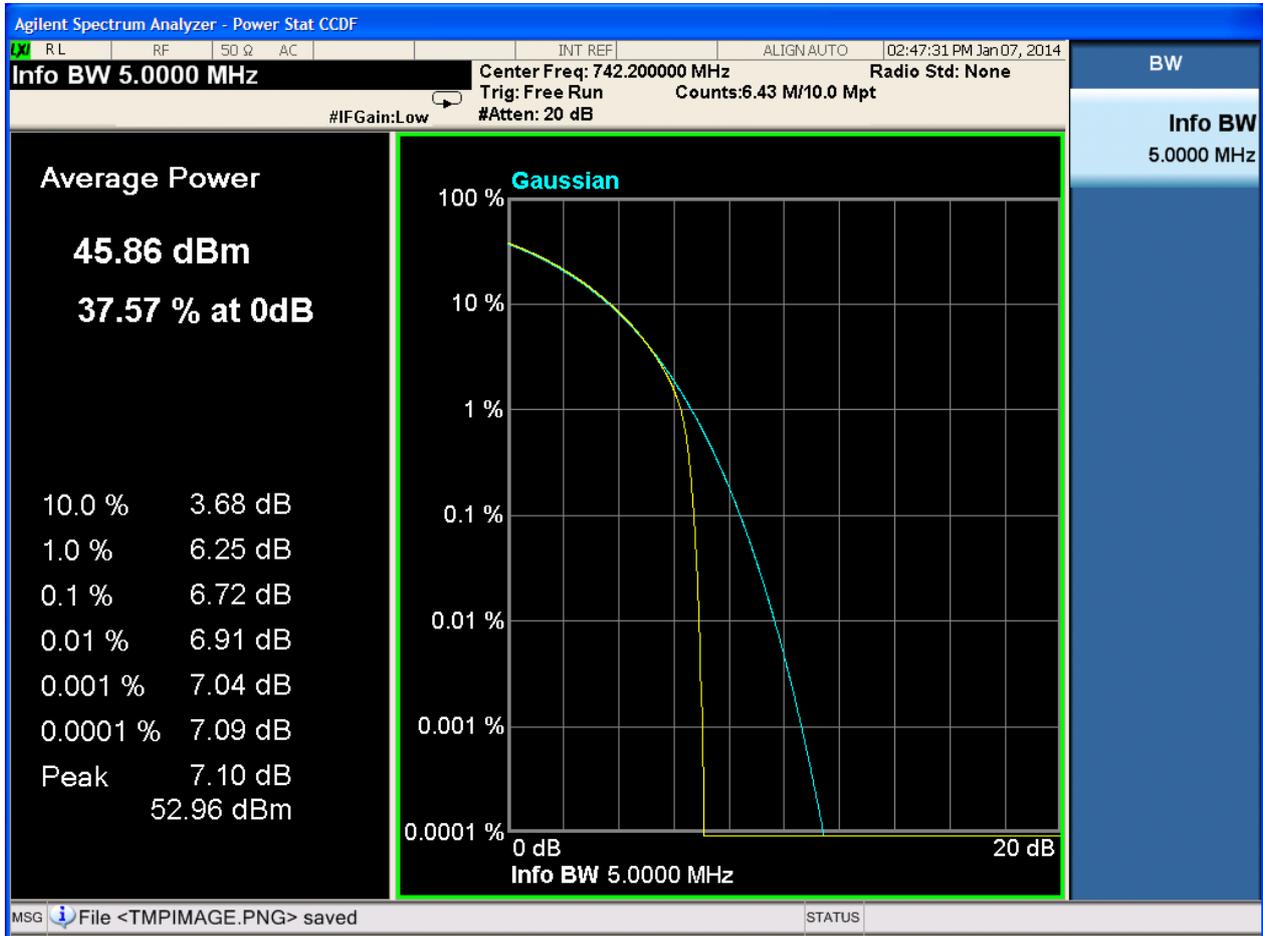
2.2.7 1L\_5M\_E-TM1.1\_B



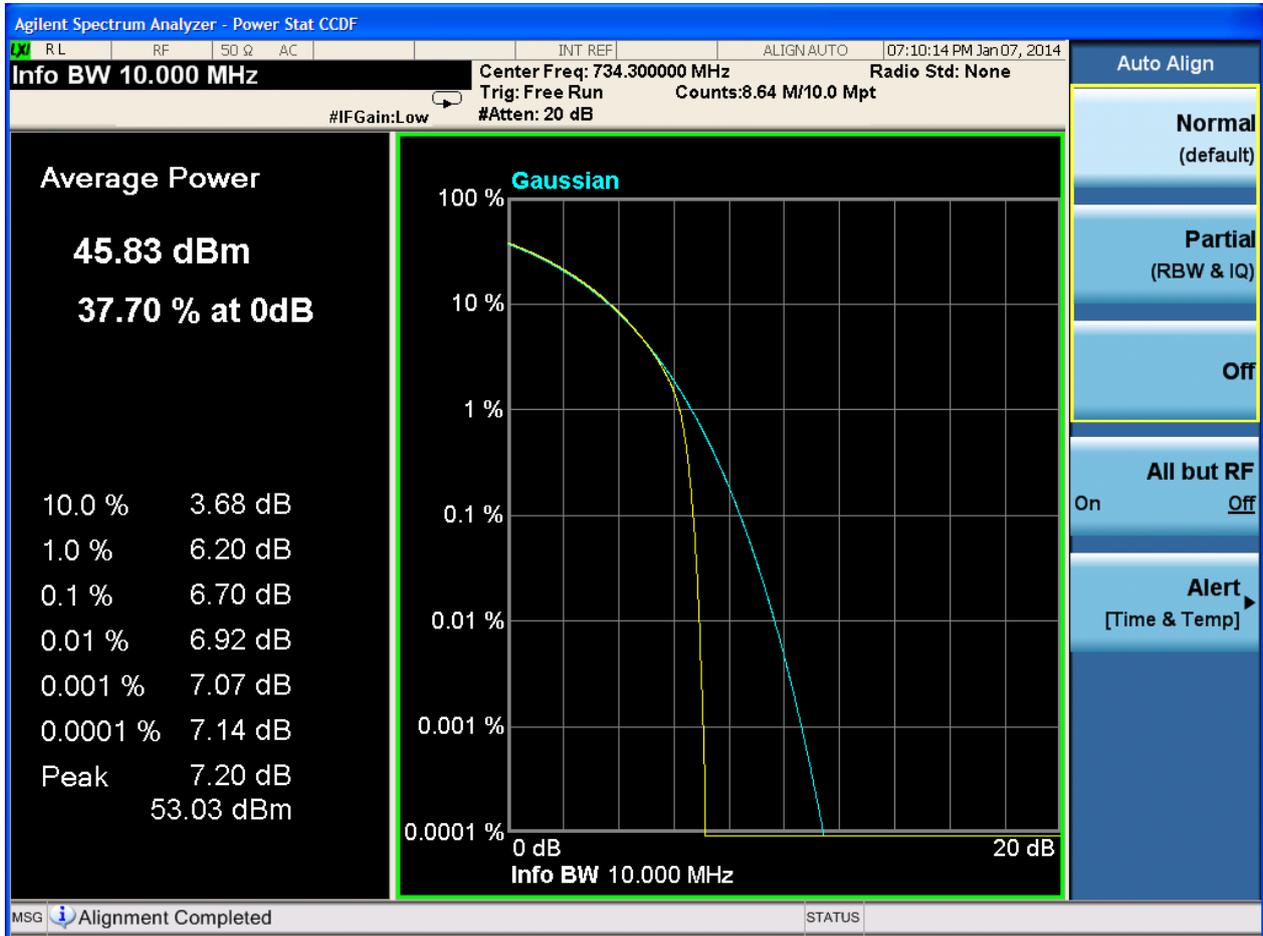
2.2.8 1L\_5M\_E-TM1.1\_M



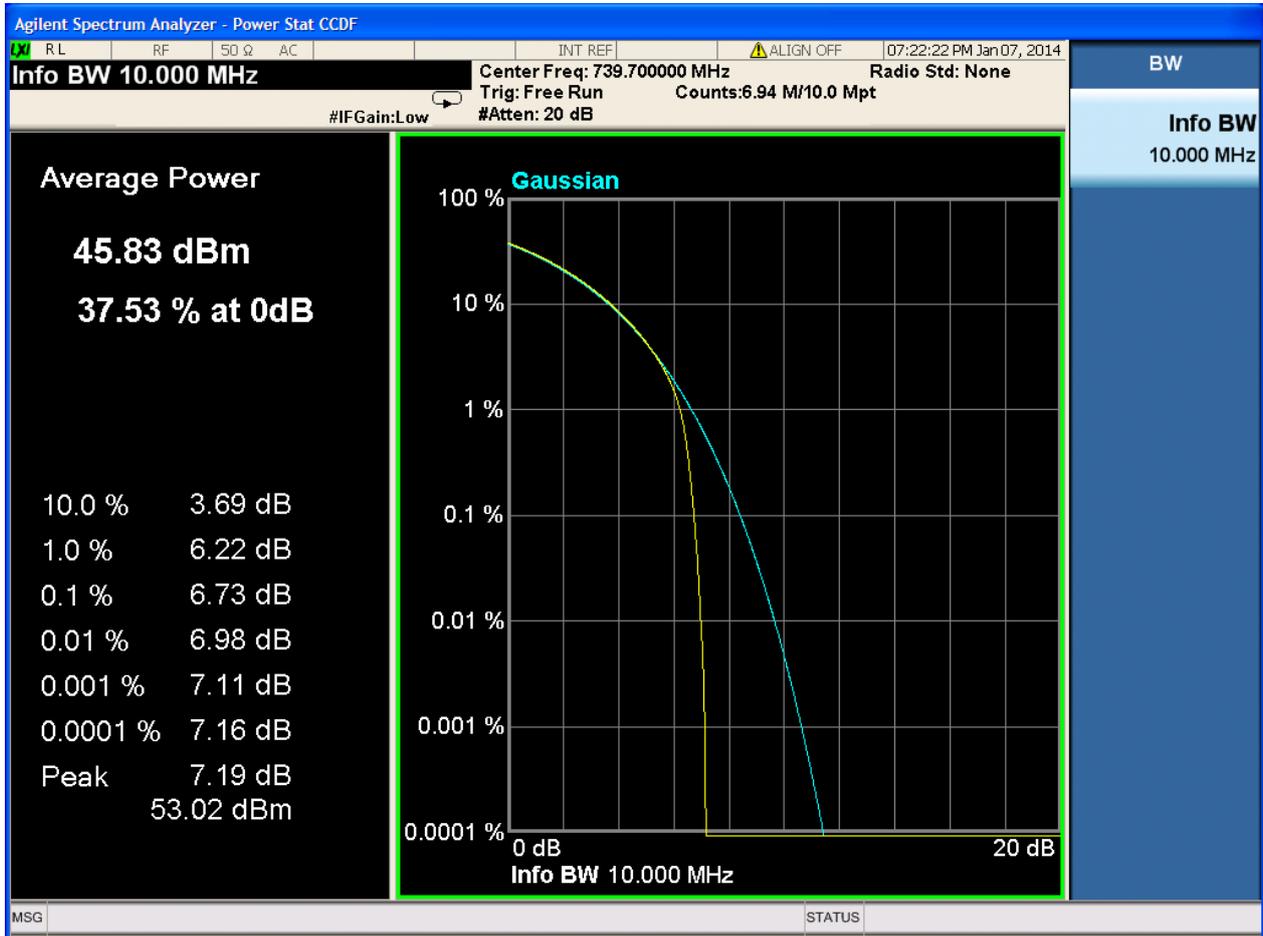
2.2.9 1L\_5M\_E-TM1.1\_T



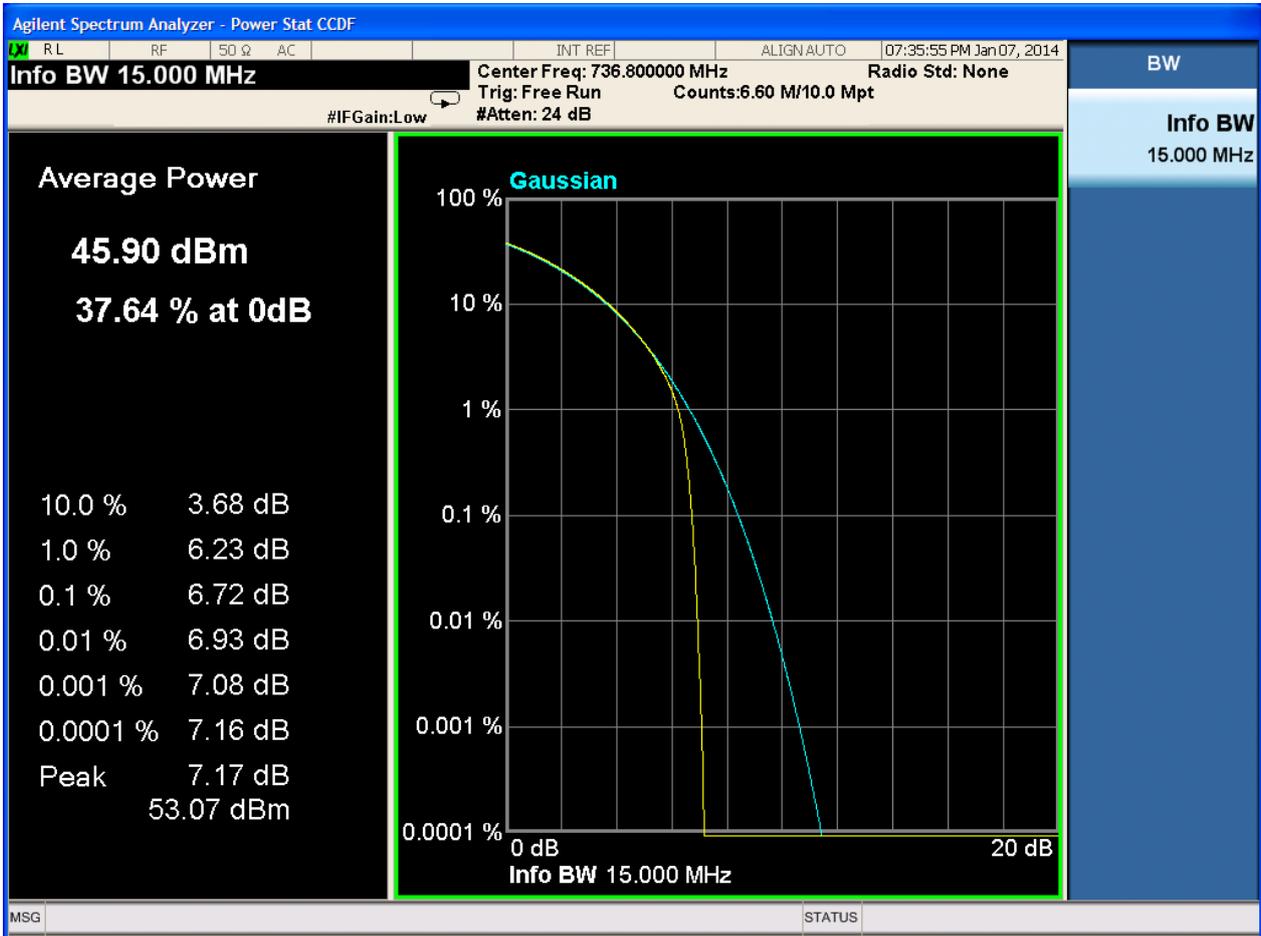
2.2.10 1L\_10M\_E-TM1.1\_B



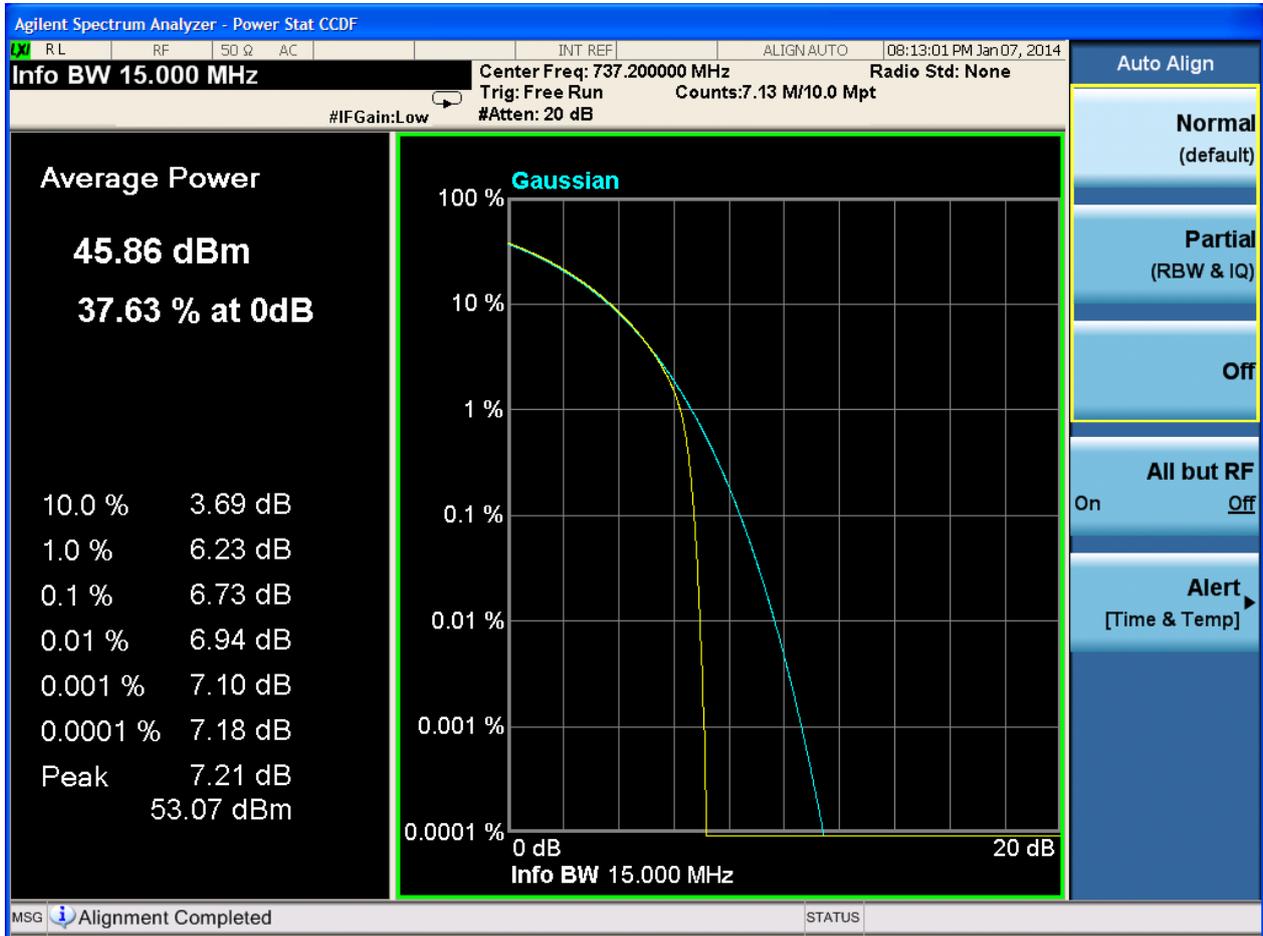
2.2.11 1L\_10M\_E-TM1.1\_T



2.2.12 1L\_15M\_E-TM1.1\_B



2.2.13 1L\_15M\_E-TM1.1\_T





# Appendix B: Bandwidth

## 1 Result Table

### 1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1L_1.4M_E-TM1.1_B	1.117133	Pass
1L_1.4M_E-TM1.1_M	1.119811	Pass
1L_1.4M_E-TM1.1_T	1.119561	Pass
1L_3M_E-TM1.1_B	2.706977	Pass
1L_3M_E-TM1.1_M	2.711466	Pass
1L_3M_E-TM1.1_T	2.709787	Pass
1L_5M_E-TM1.1_B	4.525699	Pass
1L_5M_E-TM1.1_M	4.514009	Pass
1L_5M_E-TM1.1_T	4.50619	Pass
1L_10M_E-TM1.1_B	9.016191	Pass
1L_10M_E-TM1.1_T	8.988695	Pass
1L_15M_E-TM1.1_B	13.48521	Pass
1L_15M_E-TM1.1_T	13.48392	Pass

### 1.2 Emission Bandwidth

EUT Conf.	Emission Bandwidth, -26 dBc [MHz]	Verdict
1L_1.4M_E-TM1.1_B	1.29504	Pass
1L_1.4M_E-TM1.1_M	1.29856	Pass
1L_1.4M_E-TM1.1_T	1.305536	Pass
1L_3M_E-TM1.1_B	2.90816	Pass
1L_3M_E-TM1.1_M	2.913216	Pass
1L_3M_E-TM1.1_T	2.91328	Pass
1L_5M_E-TM1.1_B	4.831616	Pass
1L_5M_E-TM1.1_M	4.790784	Pass
1L_5M_E-TM1.1_T	4.775488	Pass
1L_10M_E-TM1.1_B	9.518464	Pass
1L_10M_E-TM1.1_T	9.523584	Pass
1L_15M_E-TM1.1_B	14.17472	Pass
1L_15M_E-TM1.1_T	14.1696	Pass

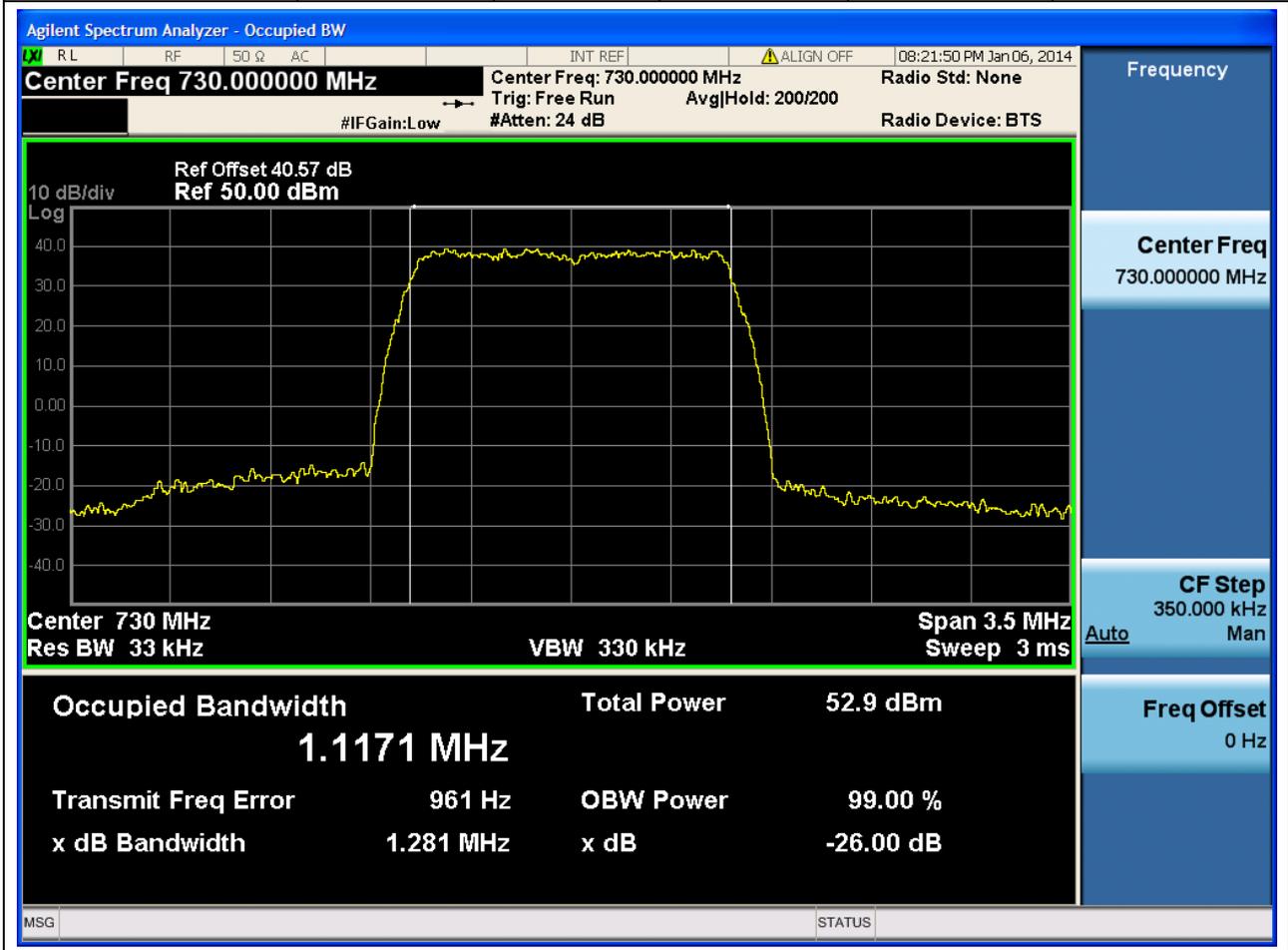


## 2 Test Plot

### 2.1 Occupied Bandwidth

#### 2.1.1 1L\_1.4M\_E-TM1.1\_B

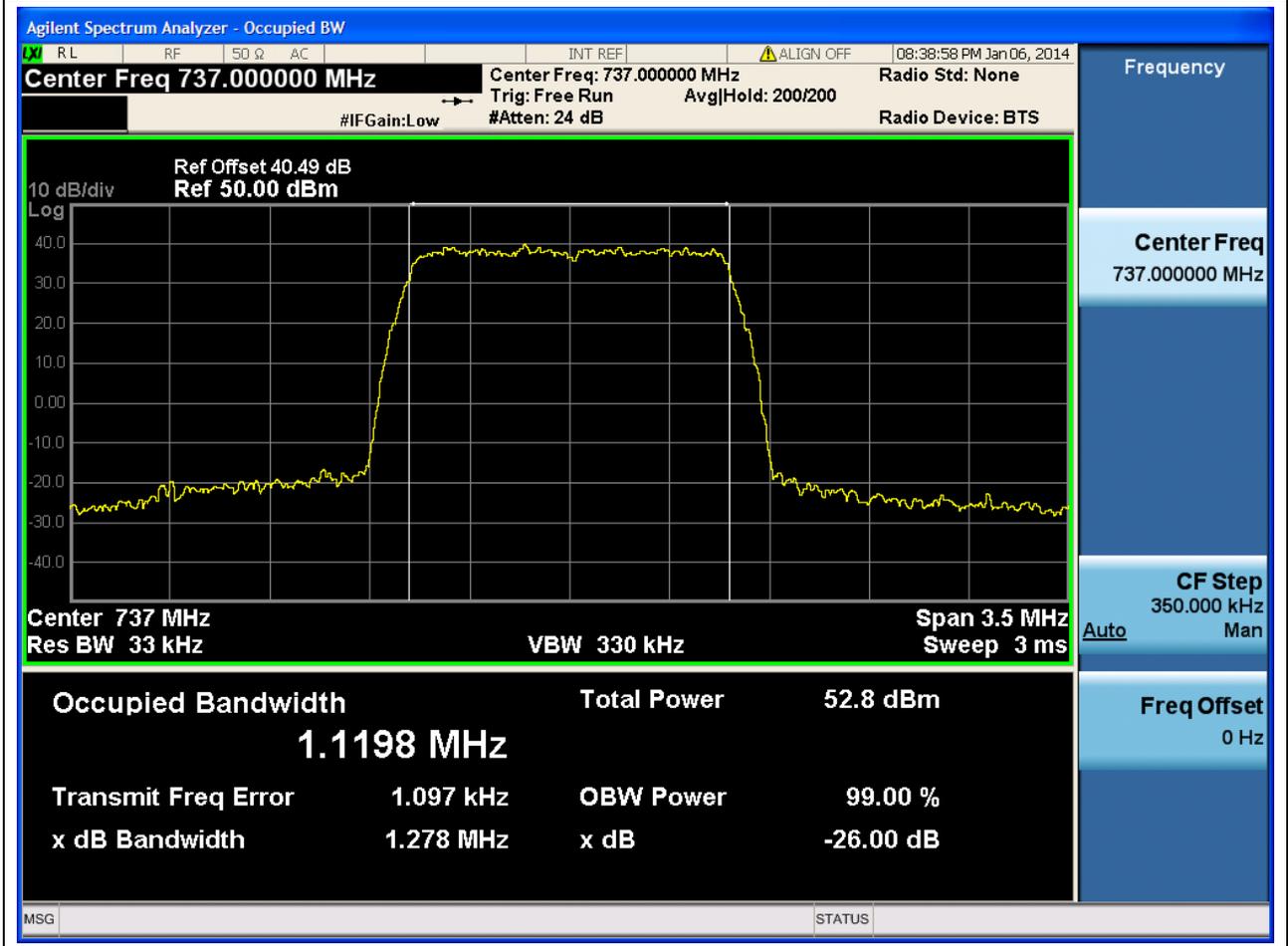
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
730	99	Auto	Peak	1.117133	No Conclusion





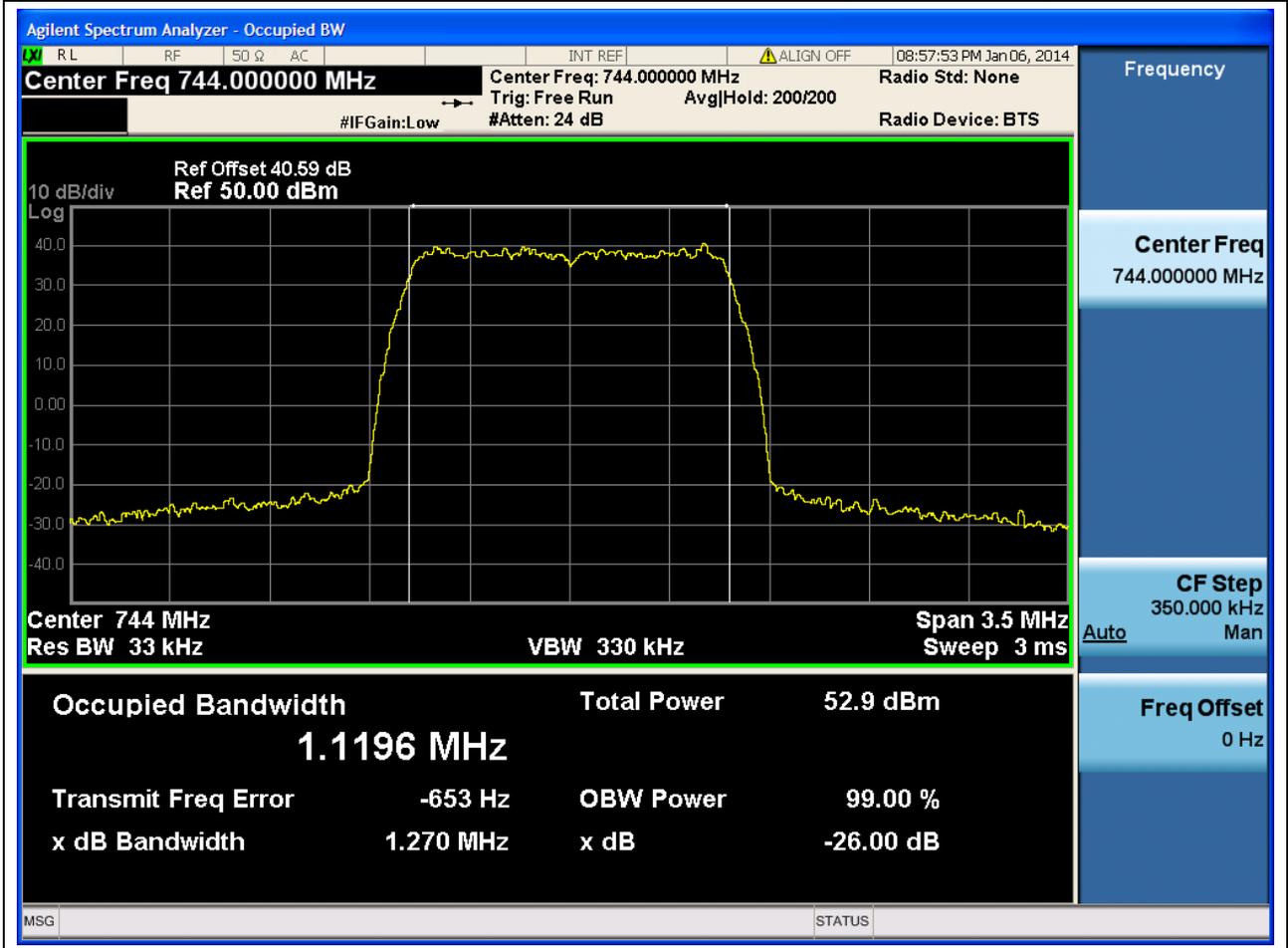
2.1.2 1L\_1.4M\_E-TM1.1\_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
737	99	Auto	Peak	1.119811	No Conclusion



2.1.3 1L\_1.4M\_E-TM1.1\_T

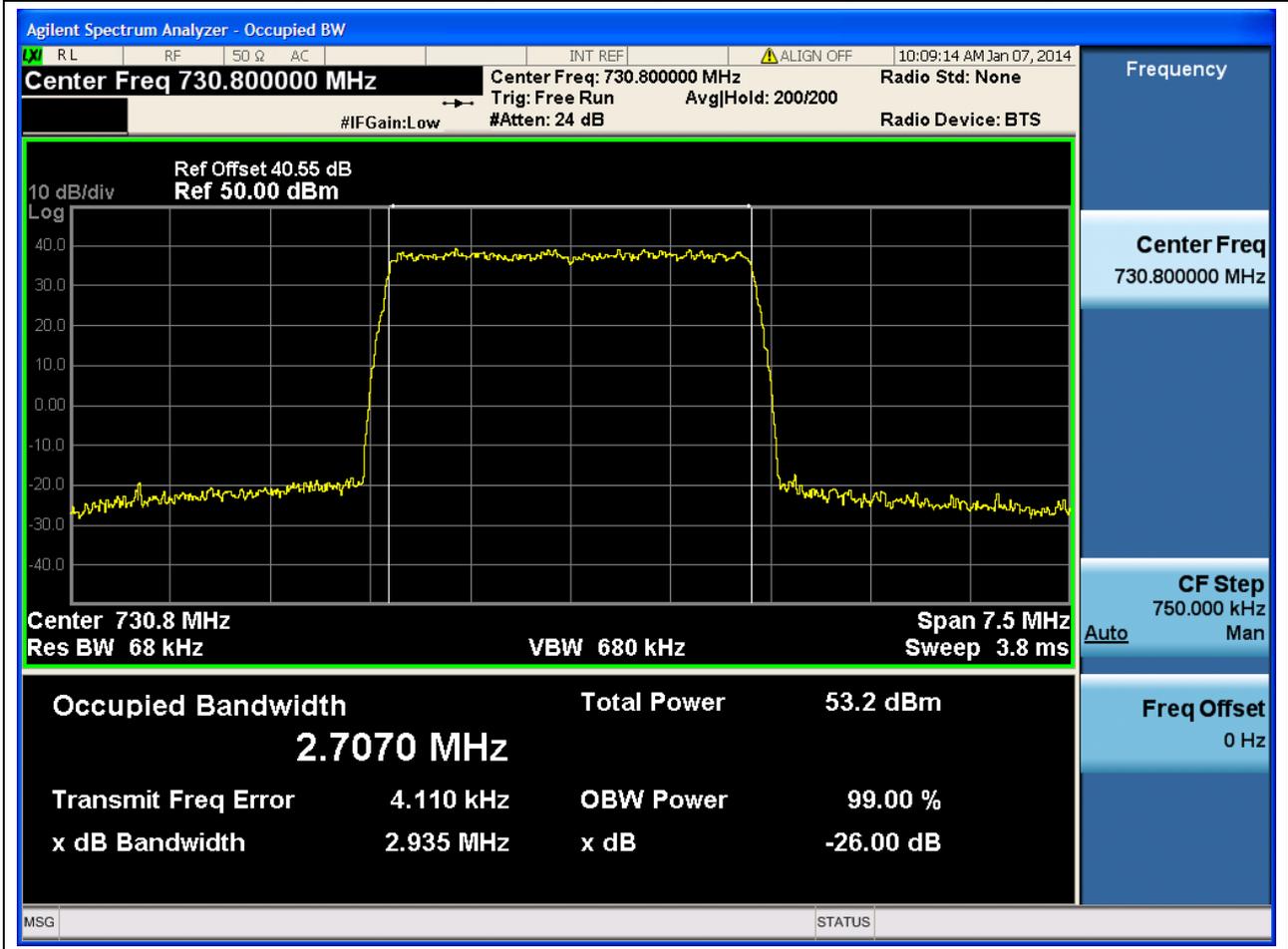
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
744	99	Auto	Peak	1.119561	No Conclusion





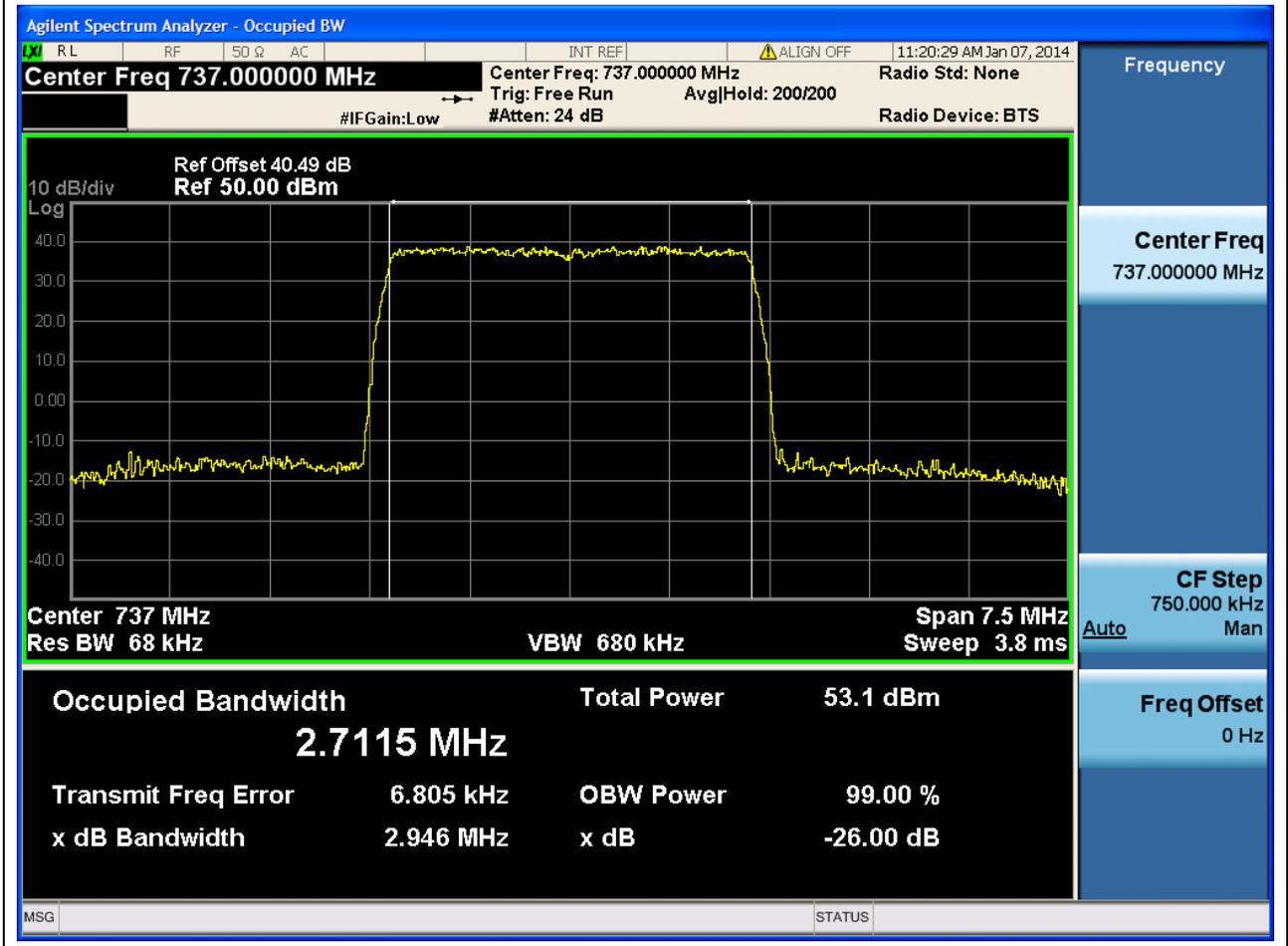
2.1.4 1L\_3M\_E-TM1.1\_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
730.8	99	Auto	Peak	2.706977	No Conclusion



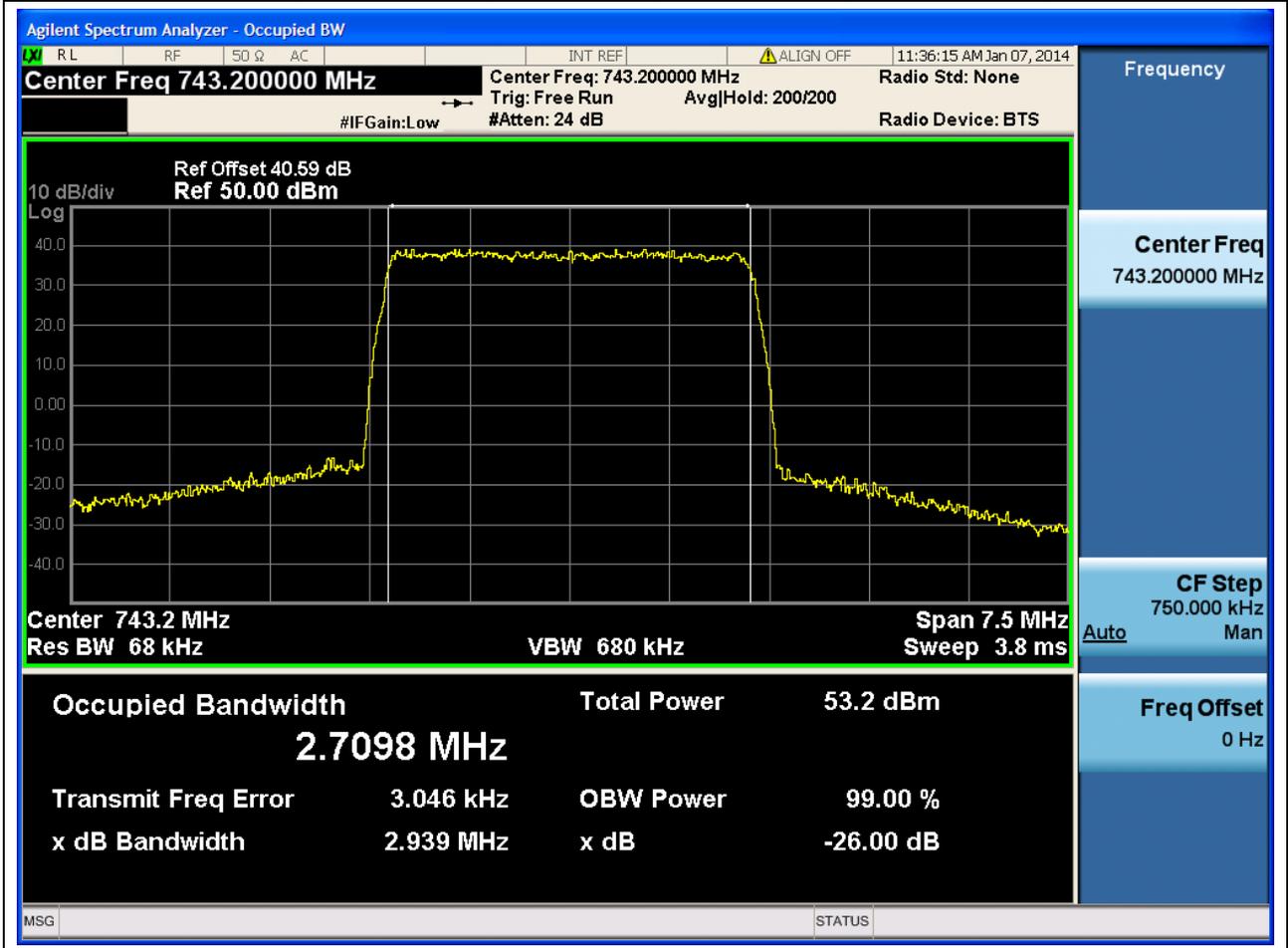
2.1.5 1L\_3M\_E-TM1.1\_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
737	99	Auto	Peak	2.711466	No Conclusion



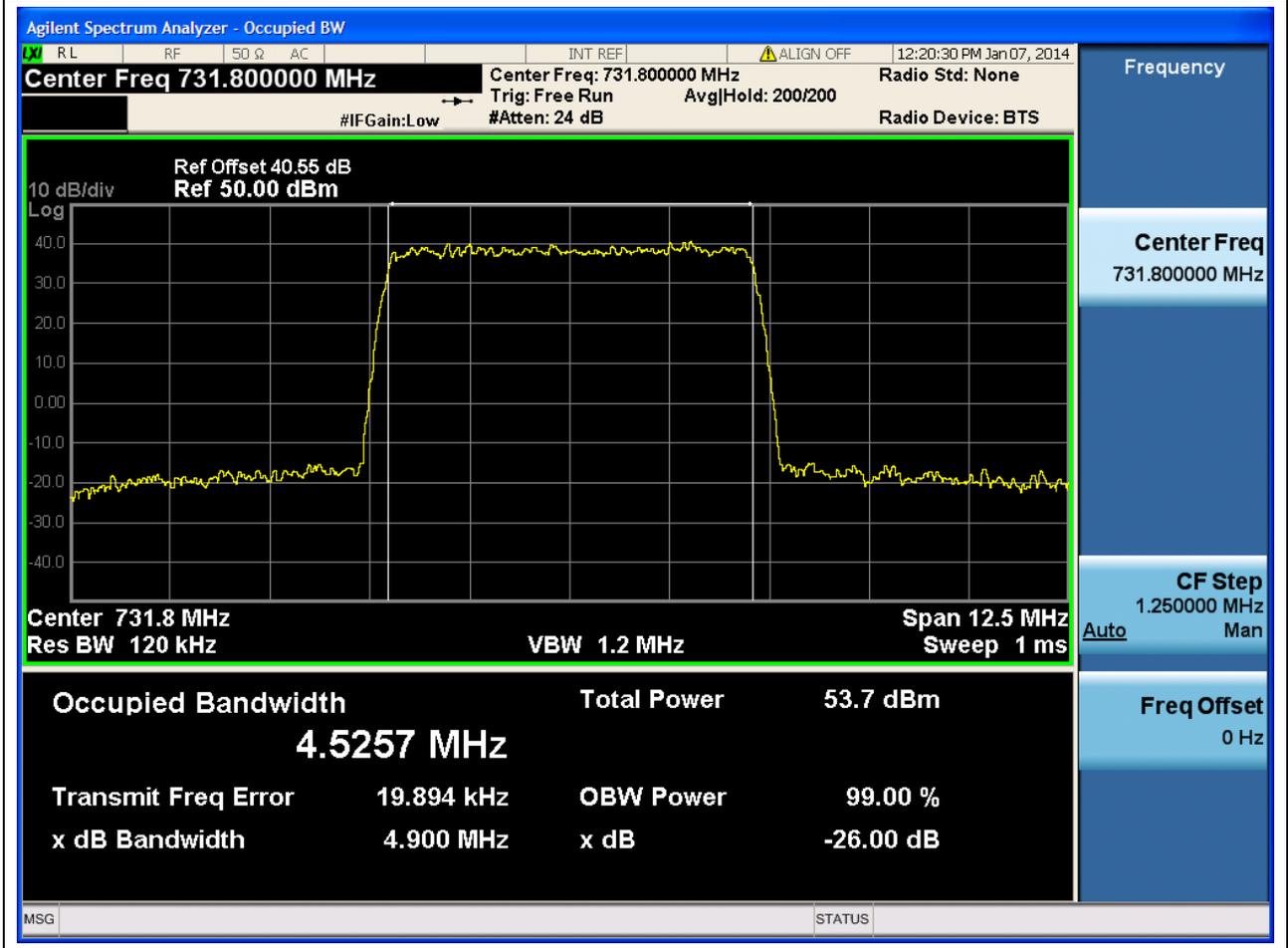
2.1.6 1L\_3M\_E-TM1.1\_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
743.2	99	Auto	Peak	2.709787	No Conclusion

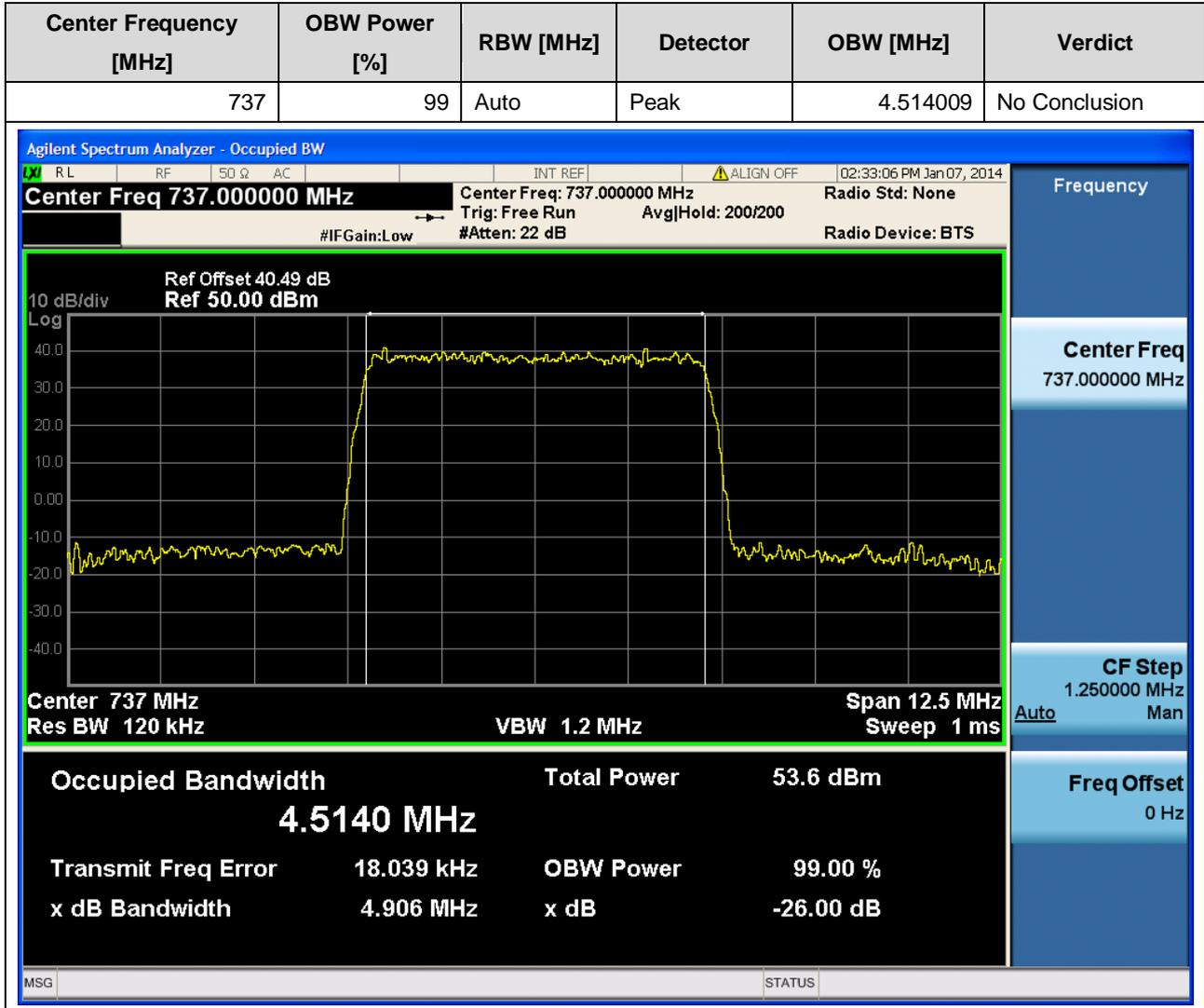


2.1.7 1L\_5M\_E-TM1.1\_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
731.8	99	Auto	Peak	4.525699	No Conclusion



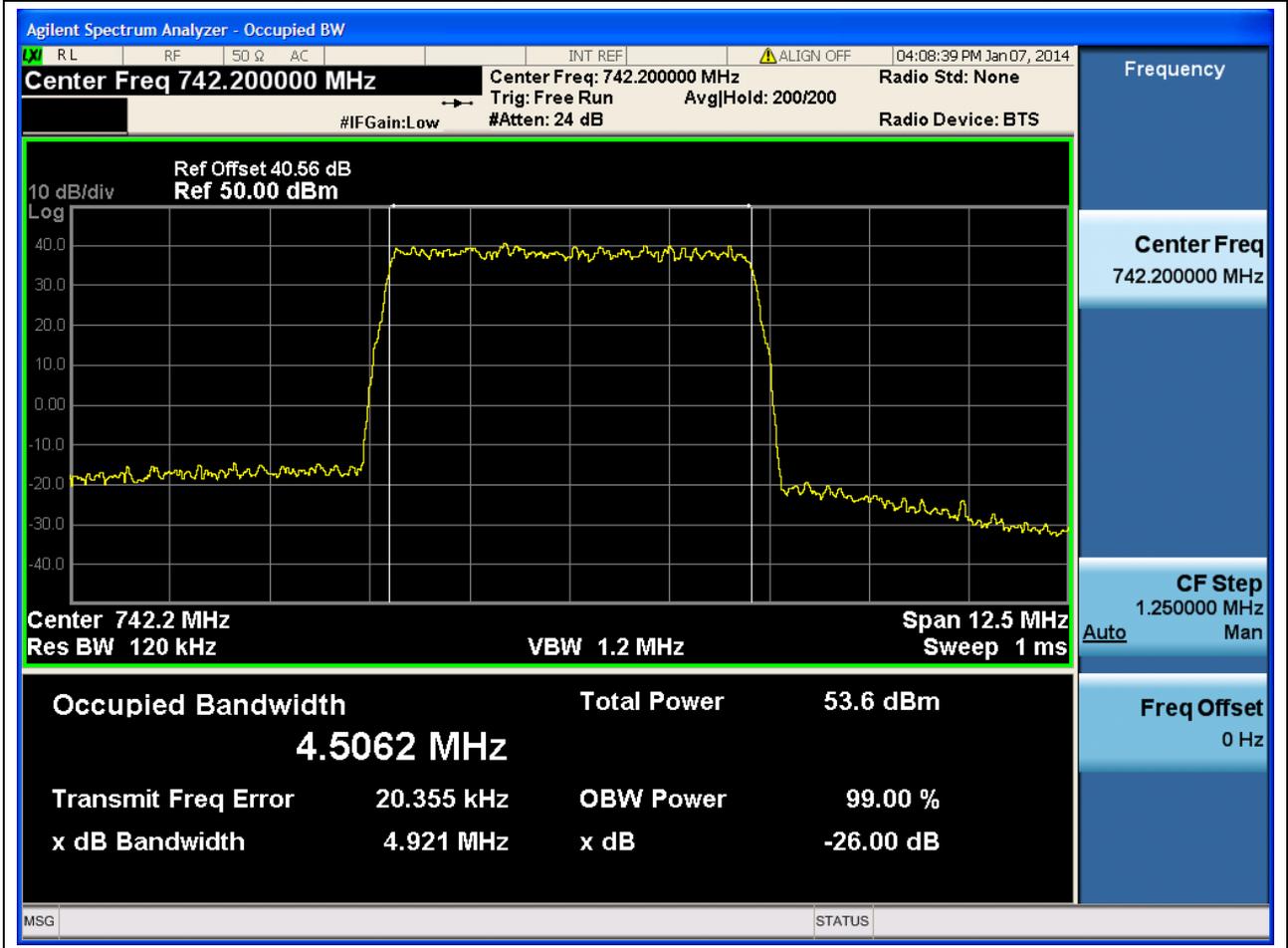
2.1.8 1L\_5M\_E-TM1.1\_M





2.1.9 1L\_5M\_E-TM1.1\_T

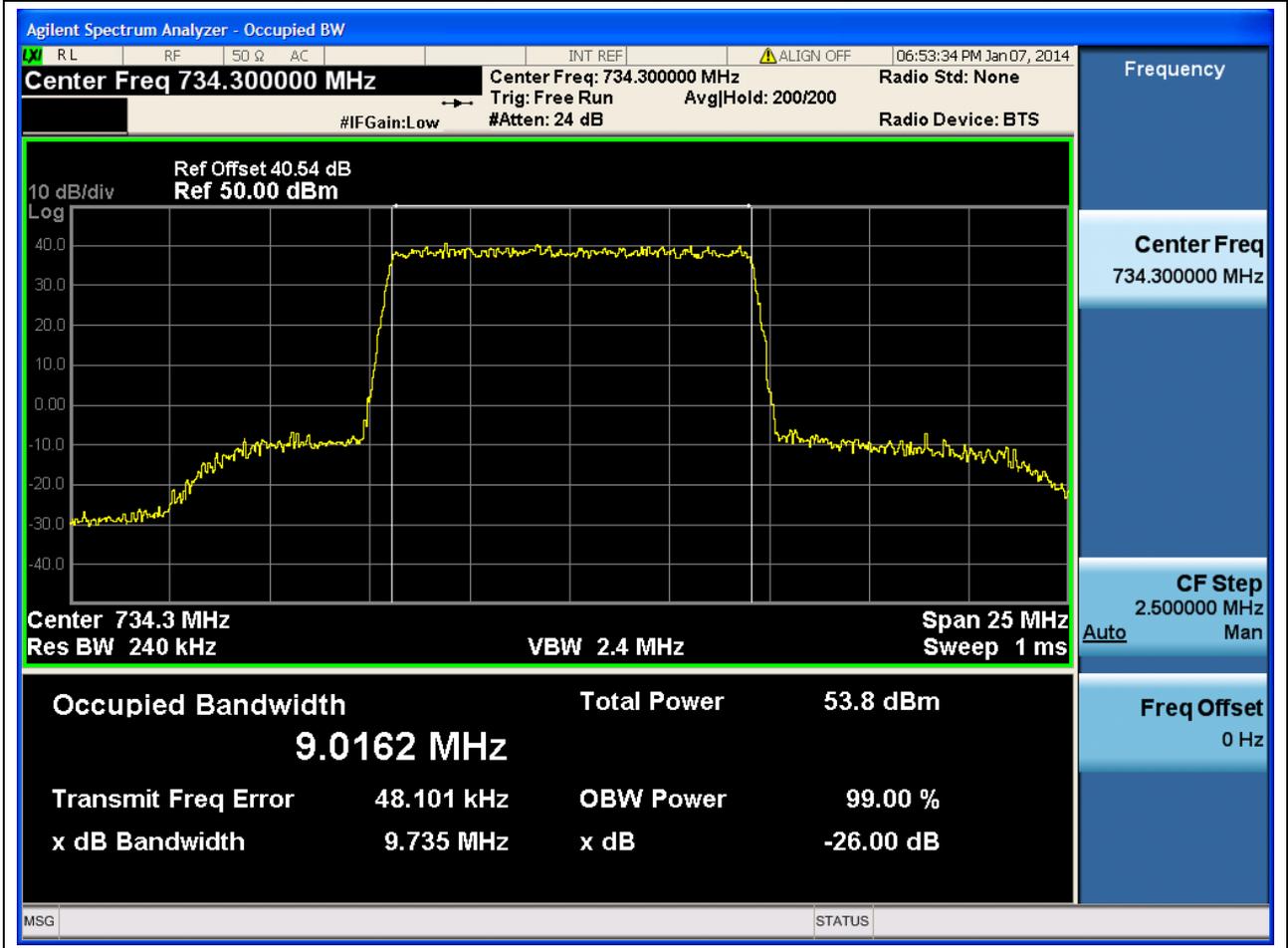
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
742.2	99	Auto	Peak	4.50619	No Conclusion





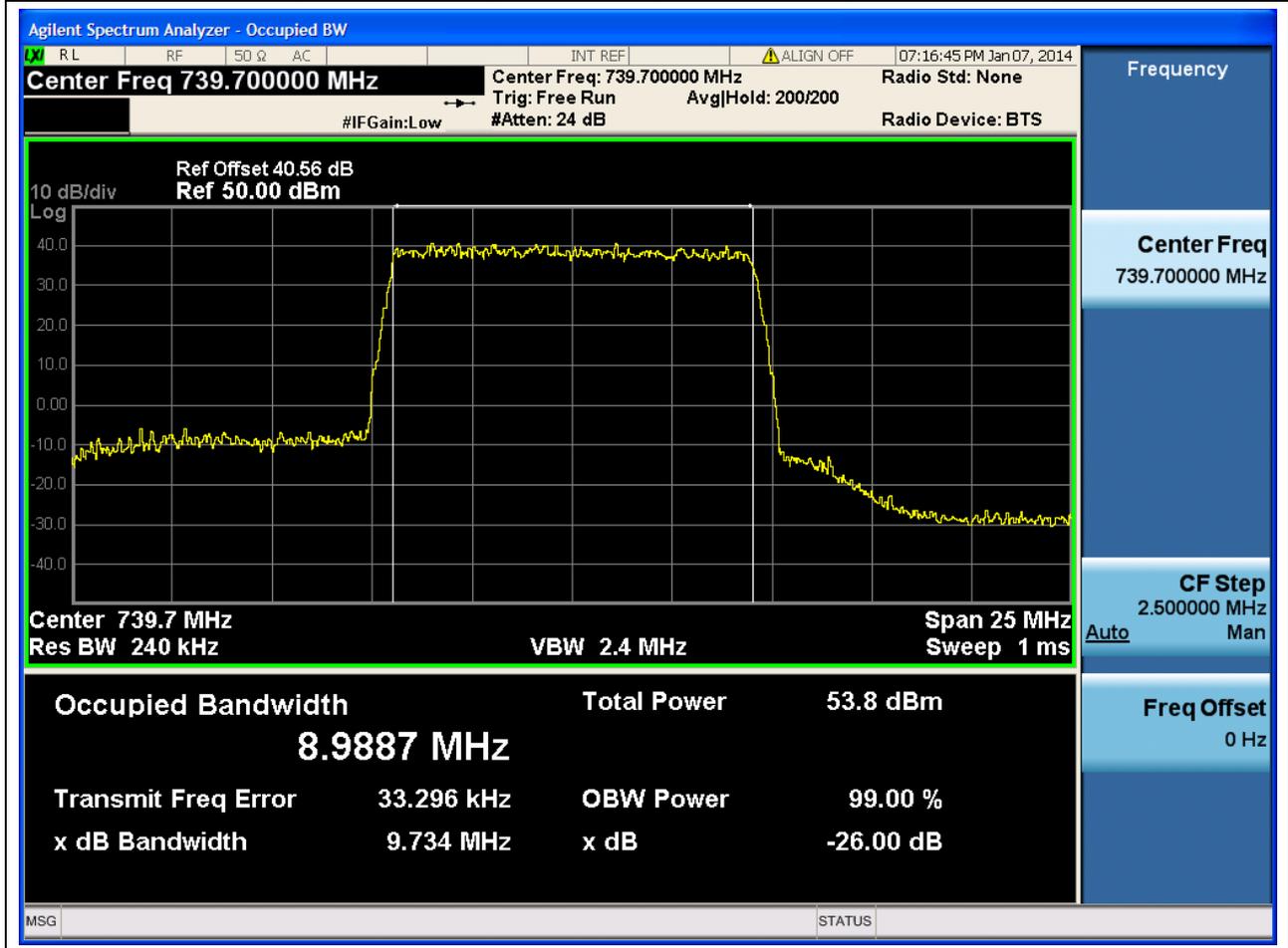
2.1.10 1L\_10M\_E-TM1.1\_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
734.3	99	Auto	Peak	9.016191	No Conclusion



2.1.11 1L\_10M\_E-TM1.1\_T

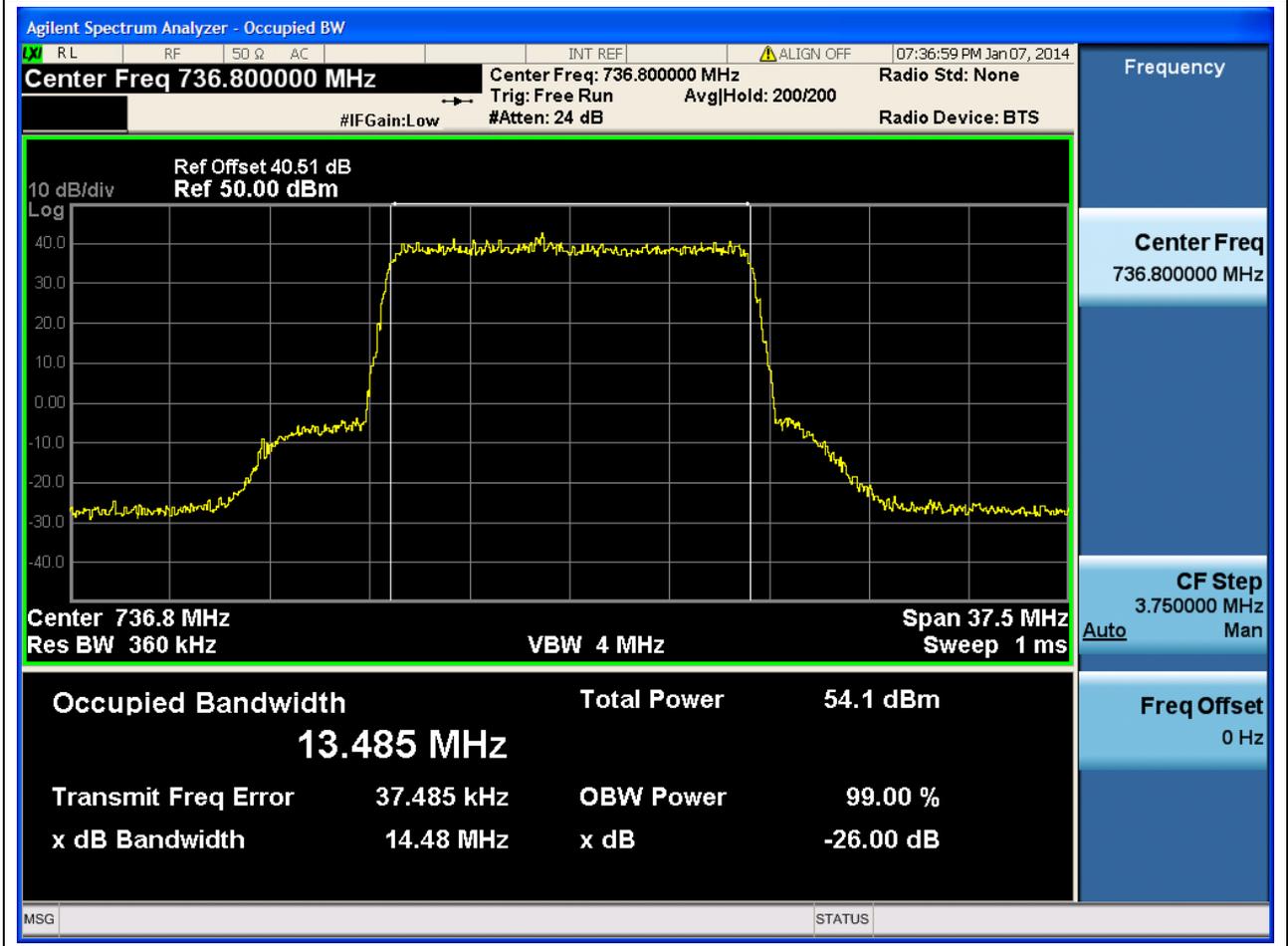
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
739.7	99	Auto	Peak	8.988695	No Conclusion





2.1.12 1L\_15M\_E-TM1.1\_B

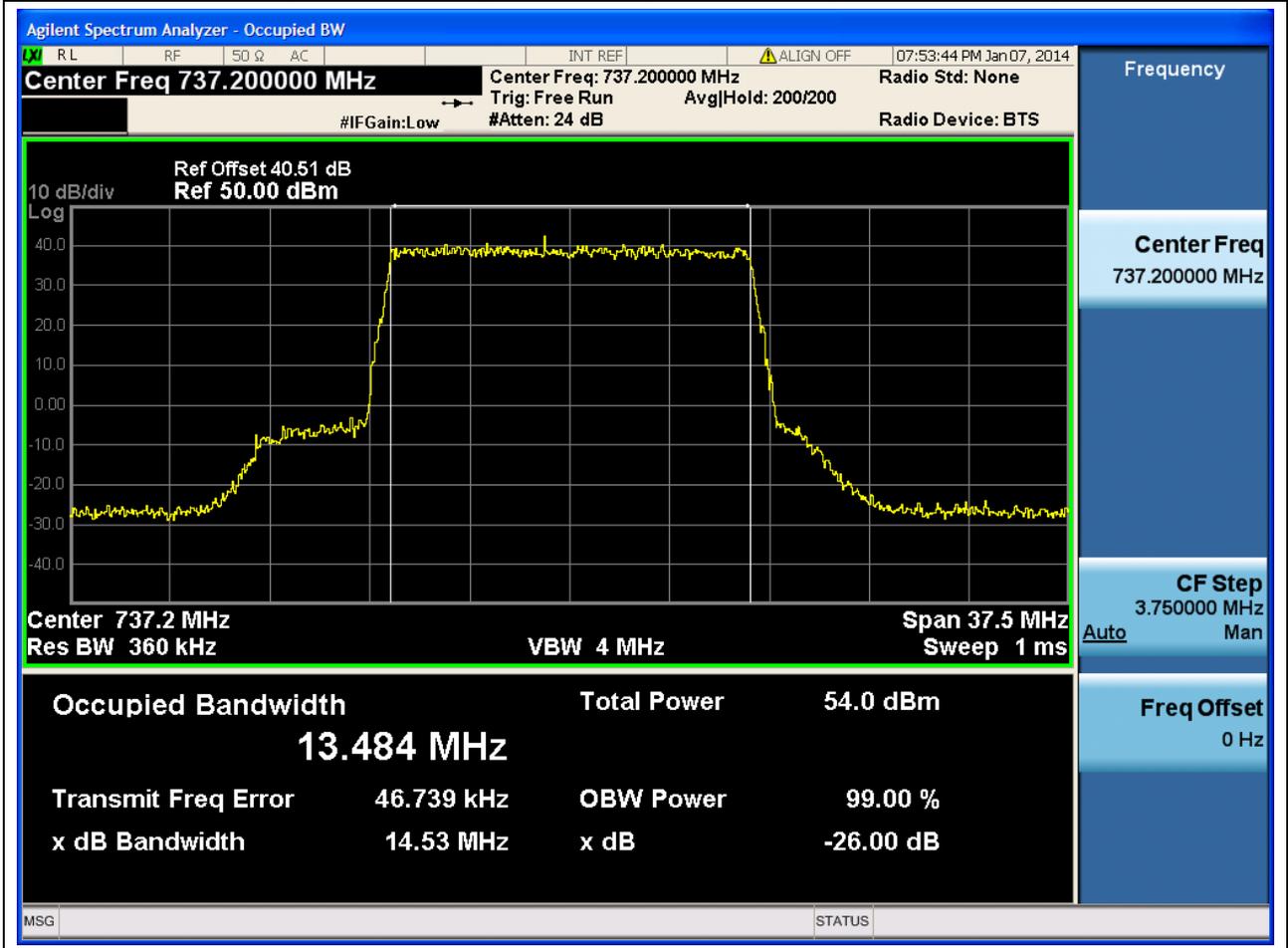
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
736.8	99	Auto	Peak	13.48521	No Conclusion





2.1.13 1L\_15M\_E-TM1.1\_T

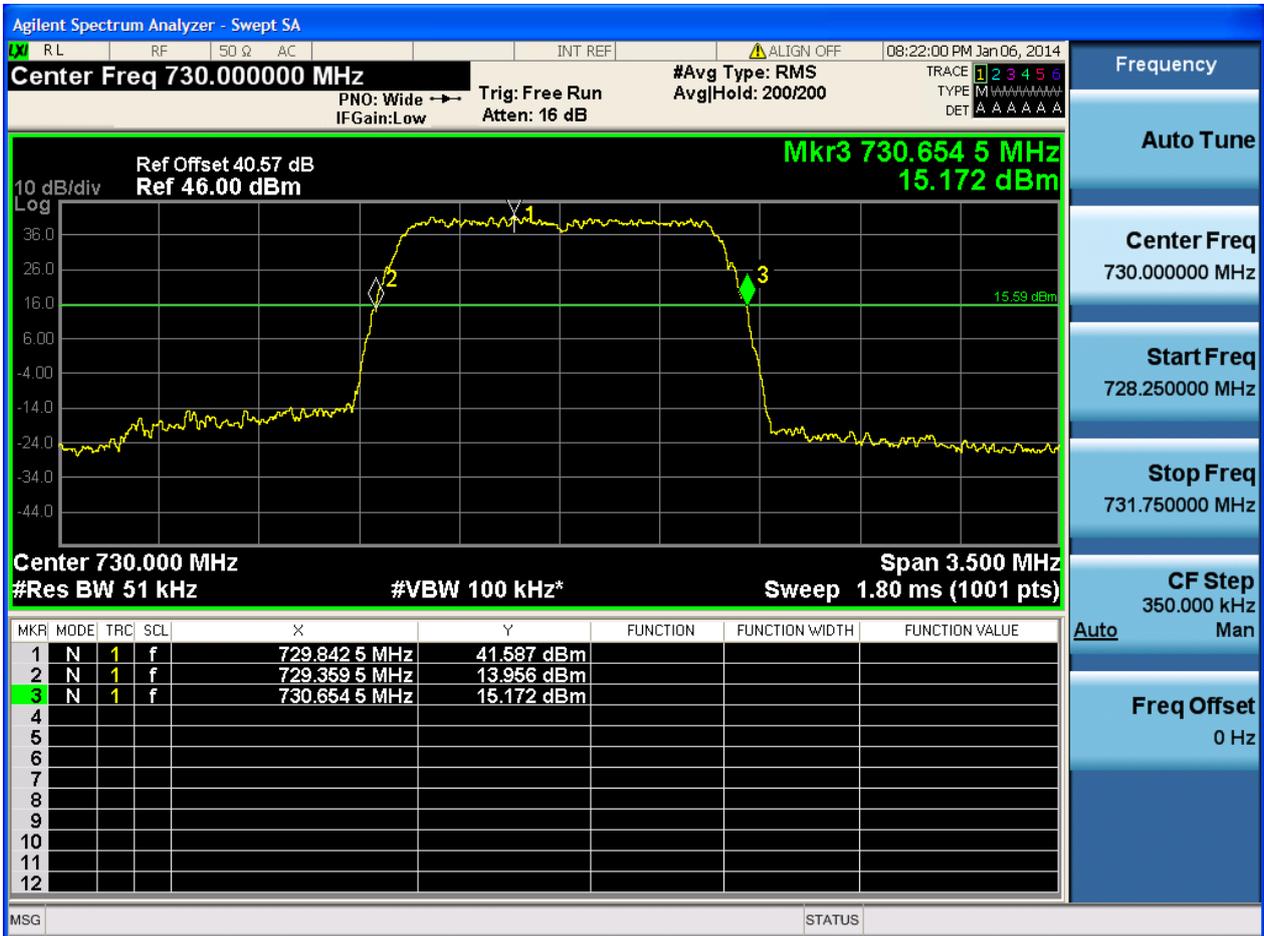
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
737.2	99	Auto	Peak	13.483917	No Conclusion





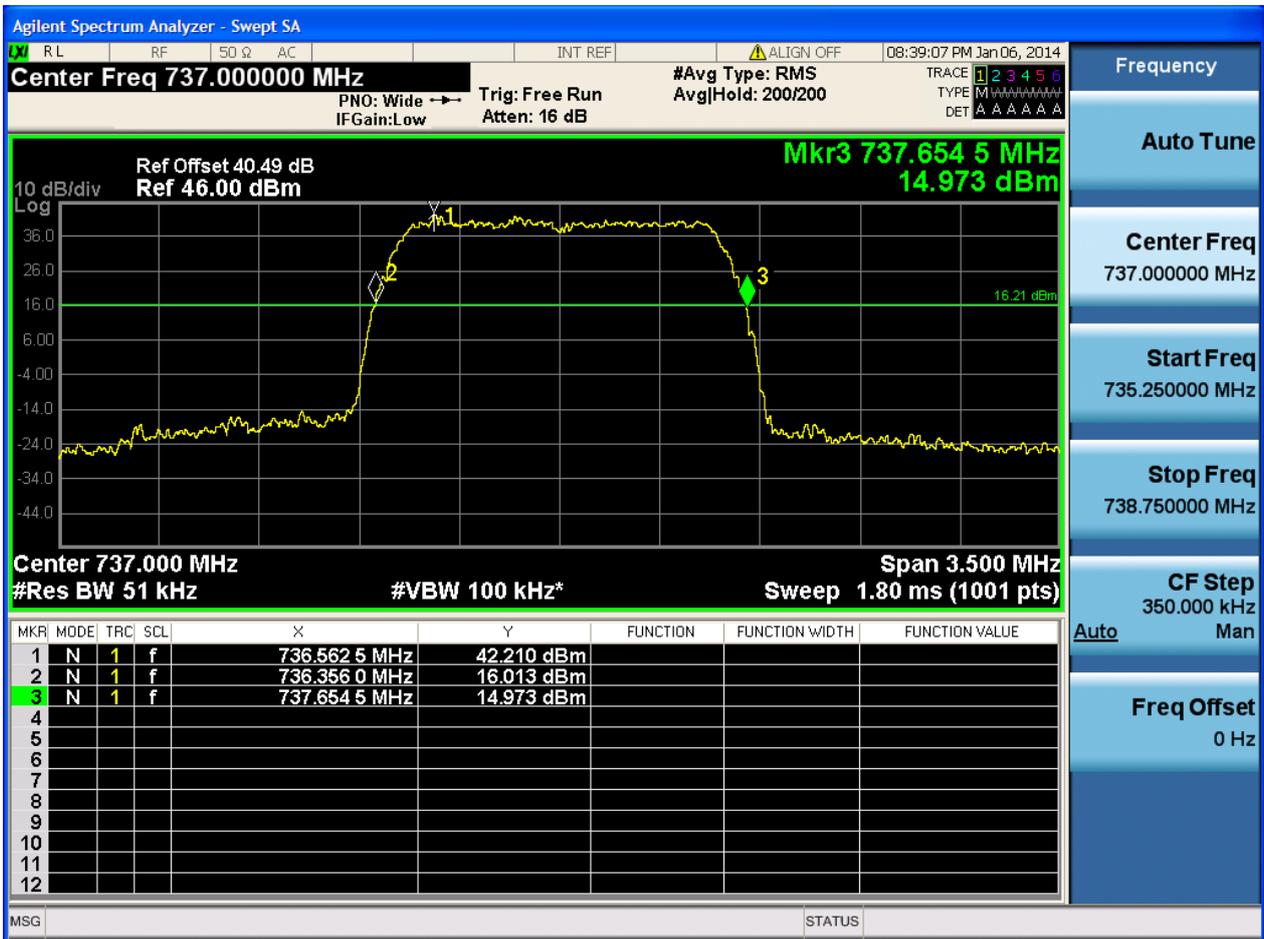
## 2.2 Emission Bandwidth

### 2.2.1 1L\_1.4M\_E-TM1.1\_B



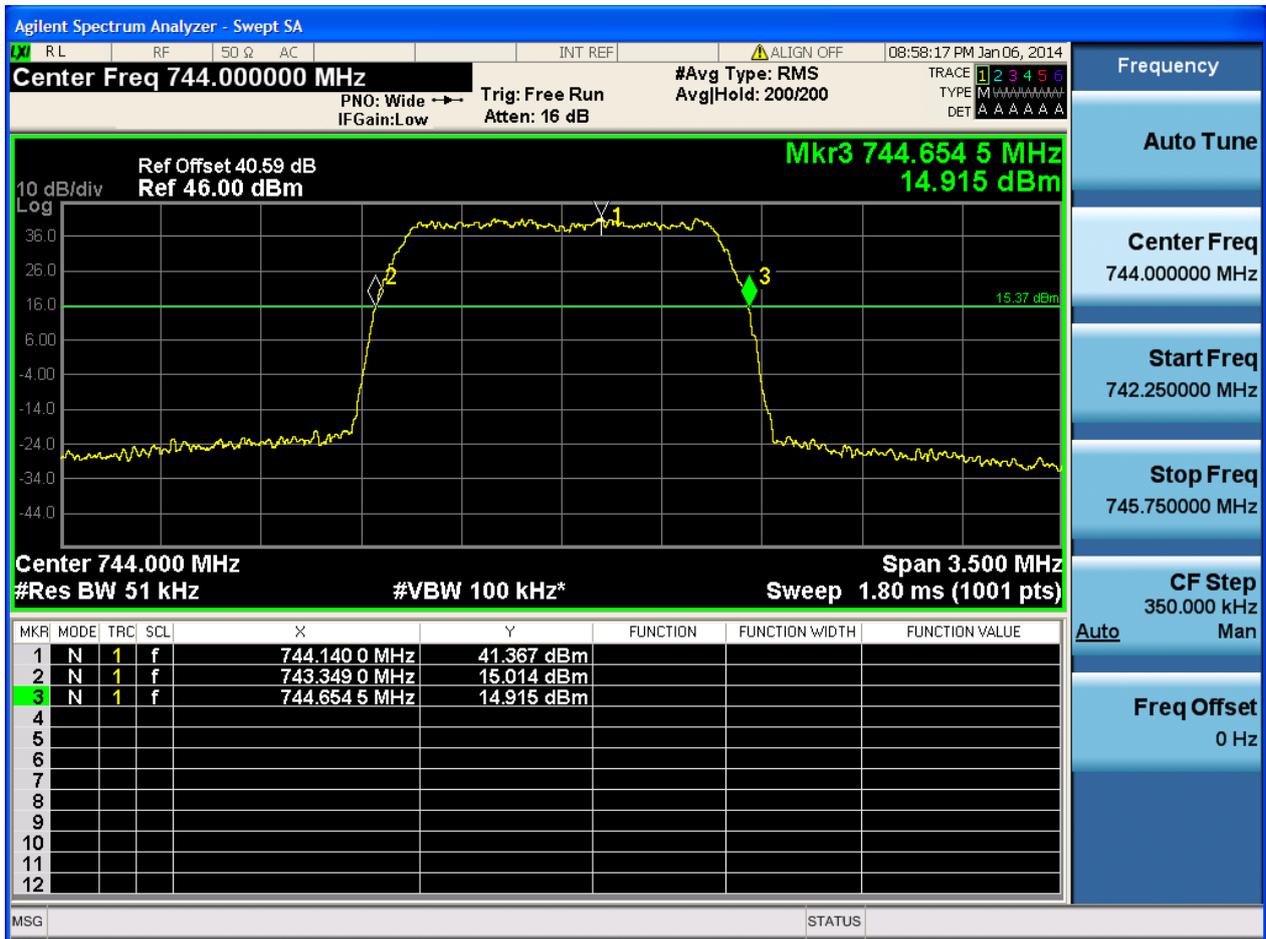


2.2.2 1L\_1.4M\_E-TM1.1\_M



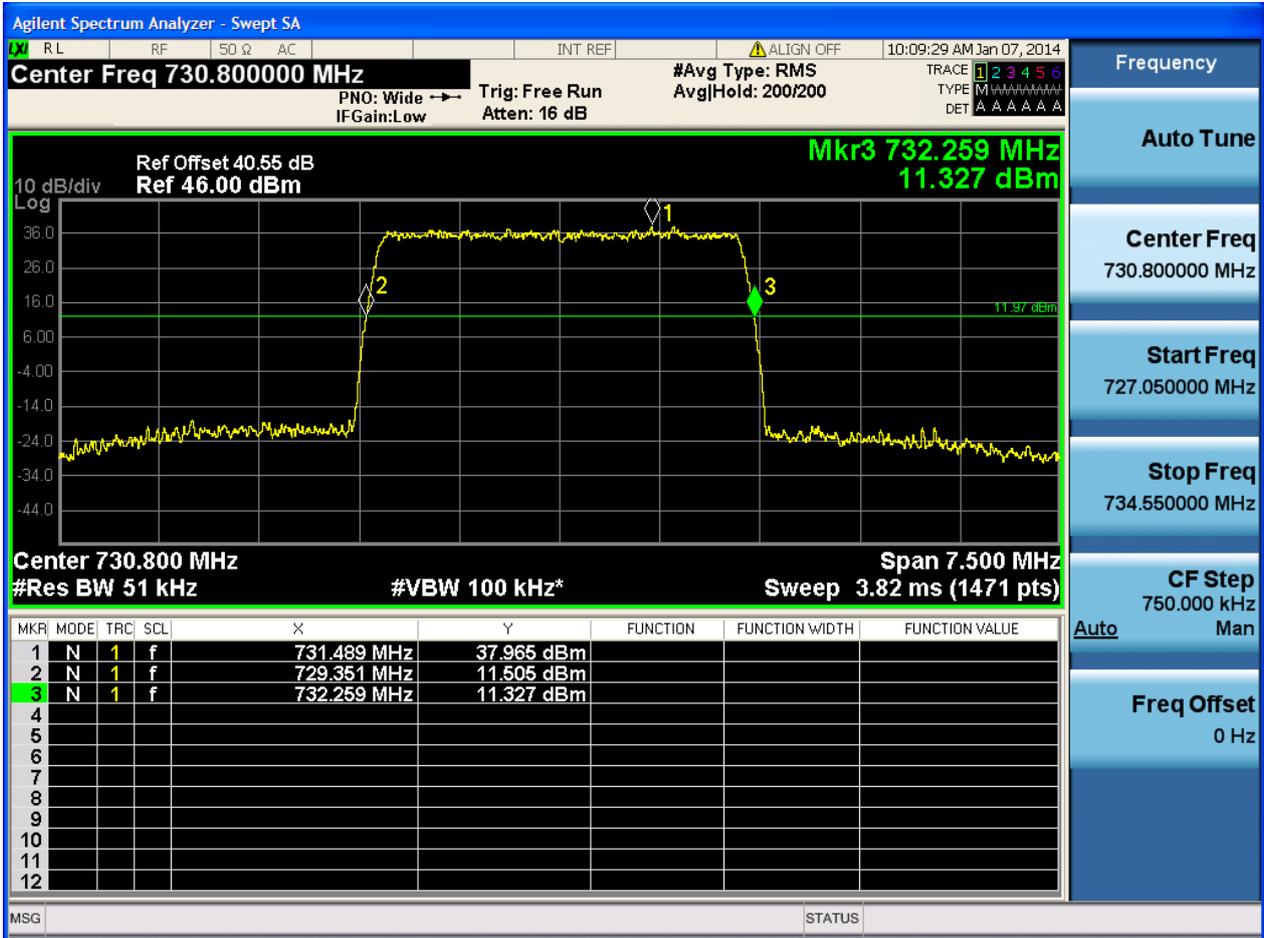


2.2.3 1L\_1.4M\_E-TM1.1\_T



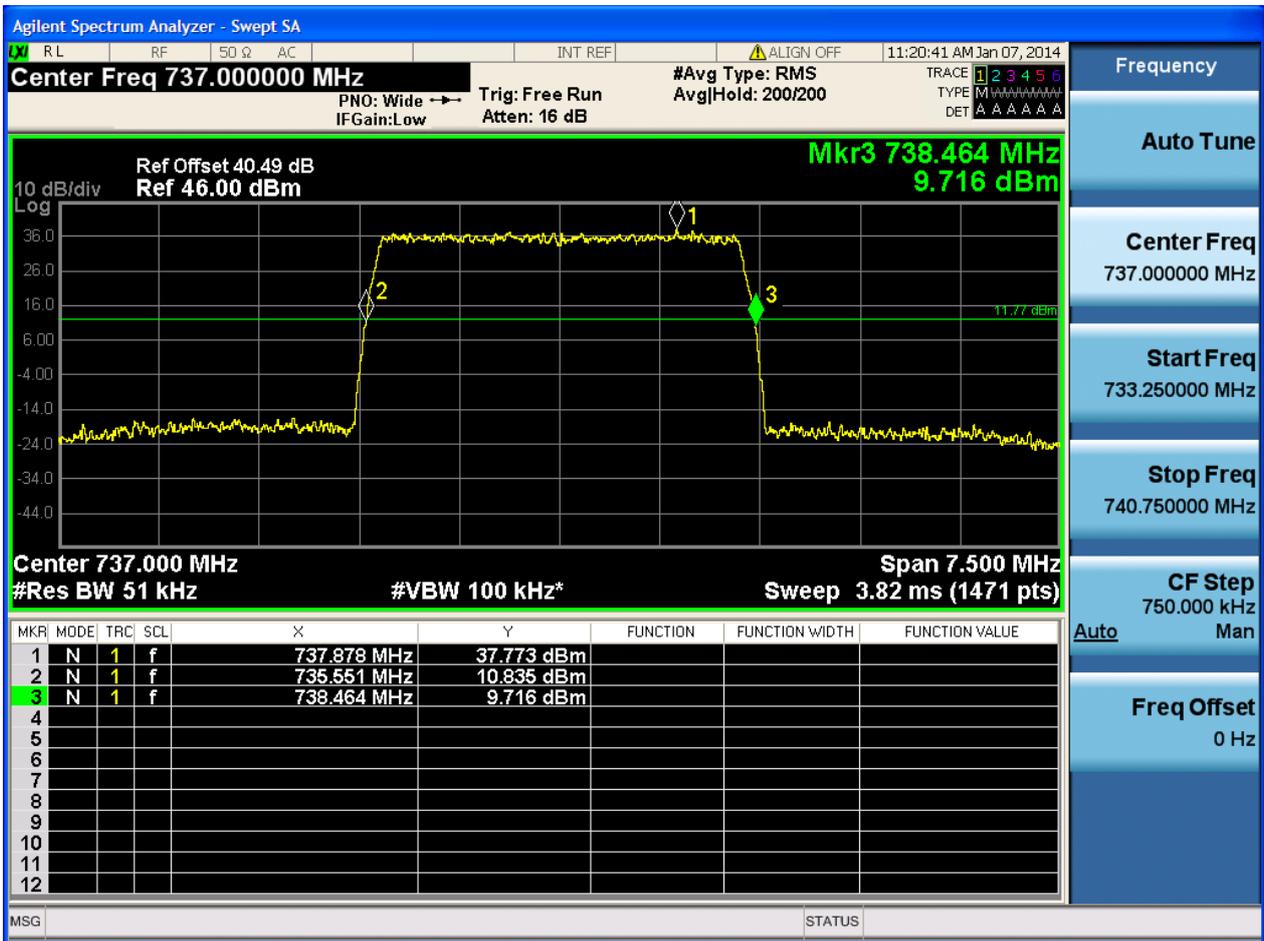


2.2.4 1L\_3M\_E-TM1.1\_B



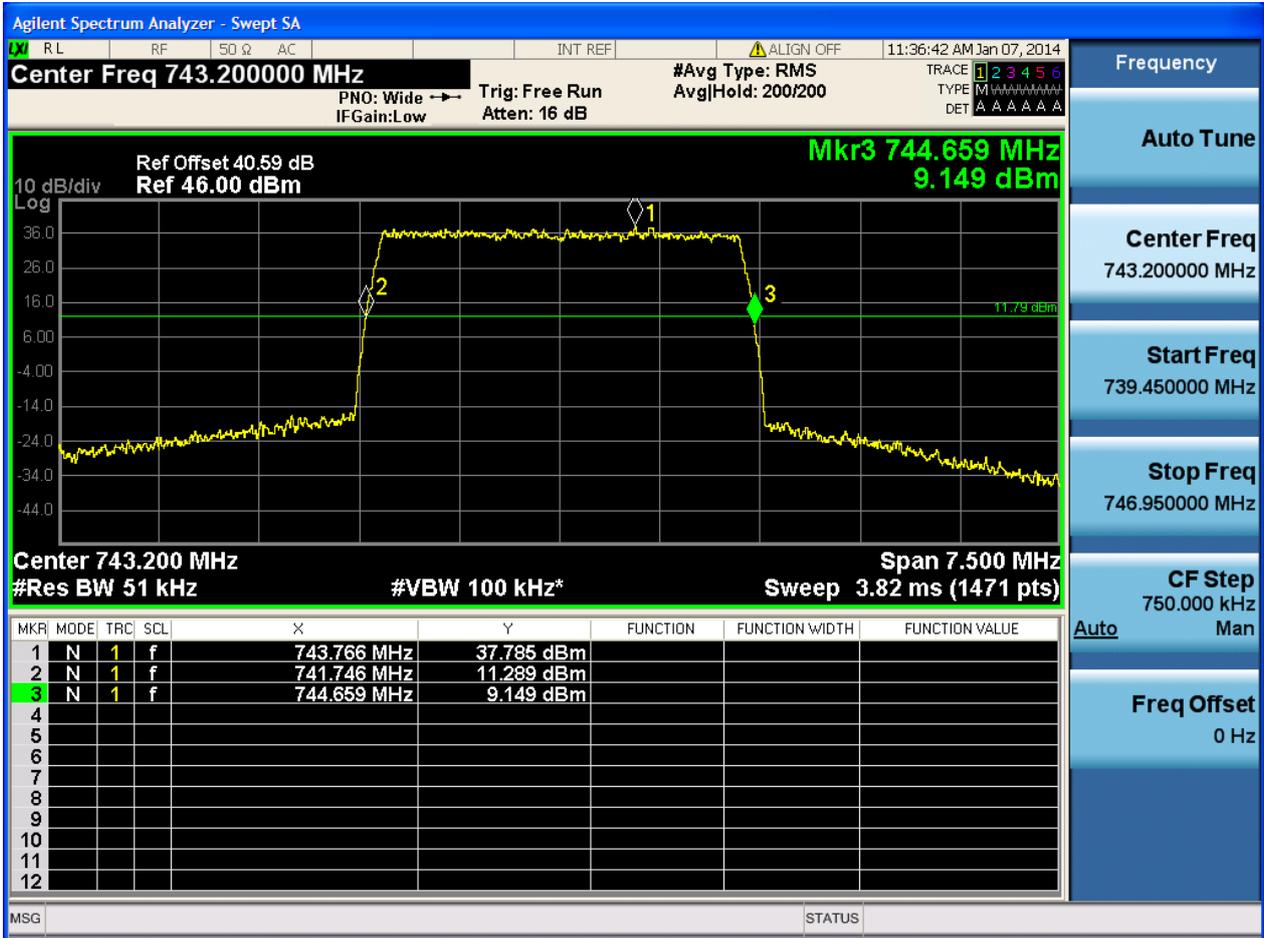


2.2.5 1L\_3M\_E-TM1.1\_M



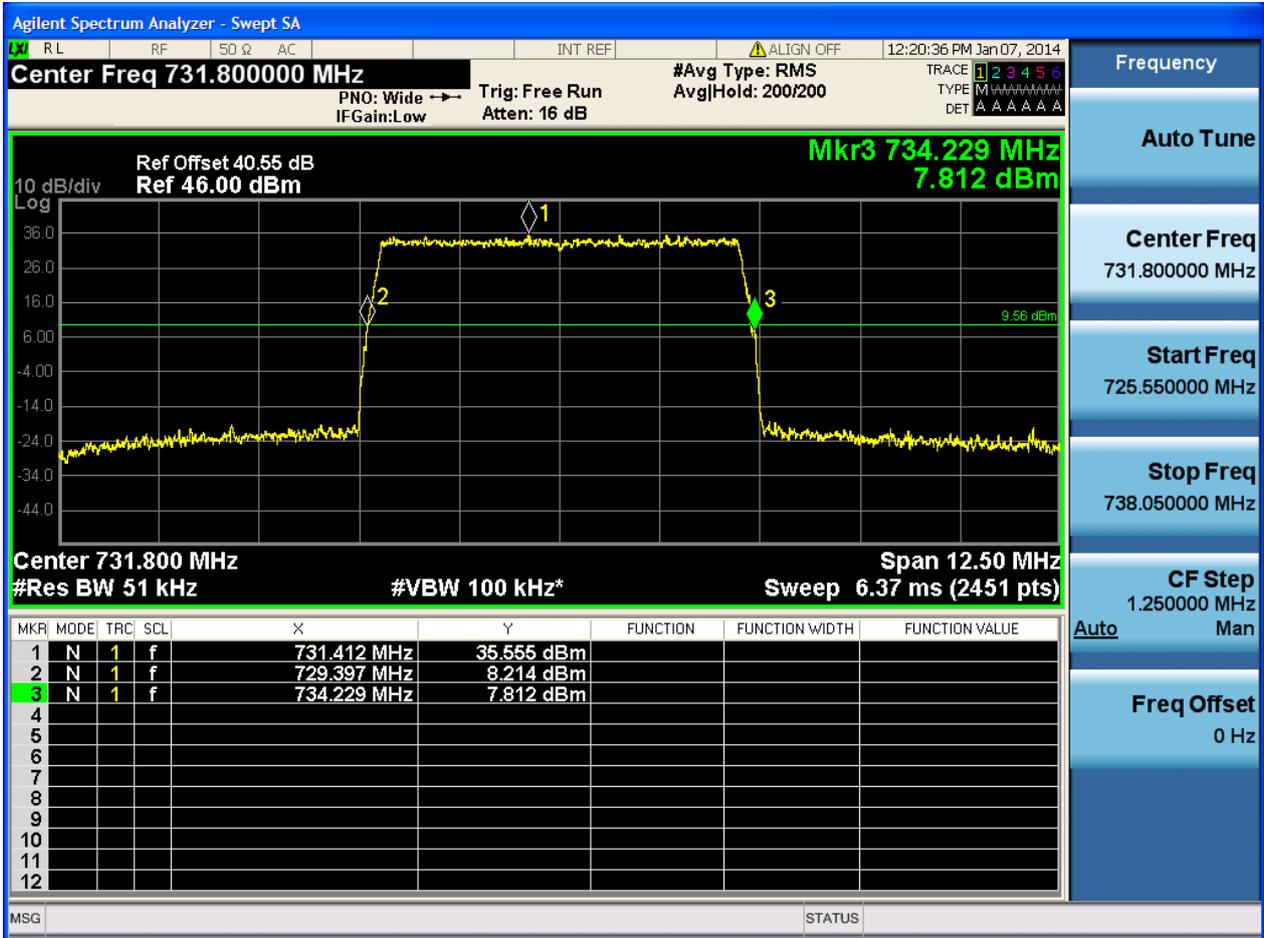


2.2.6 1L\_3M\_E-TM1.1\_T



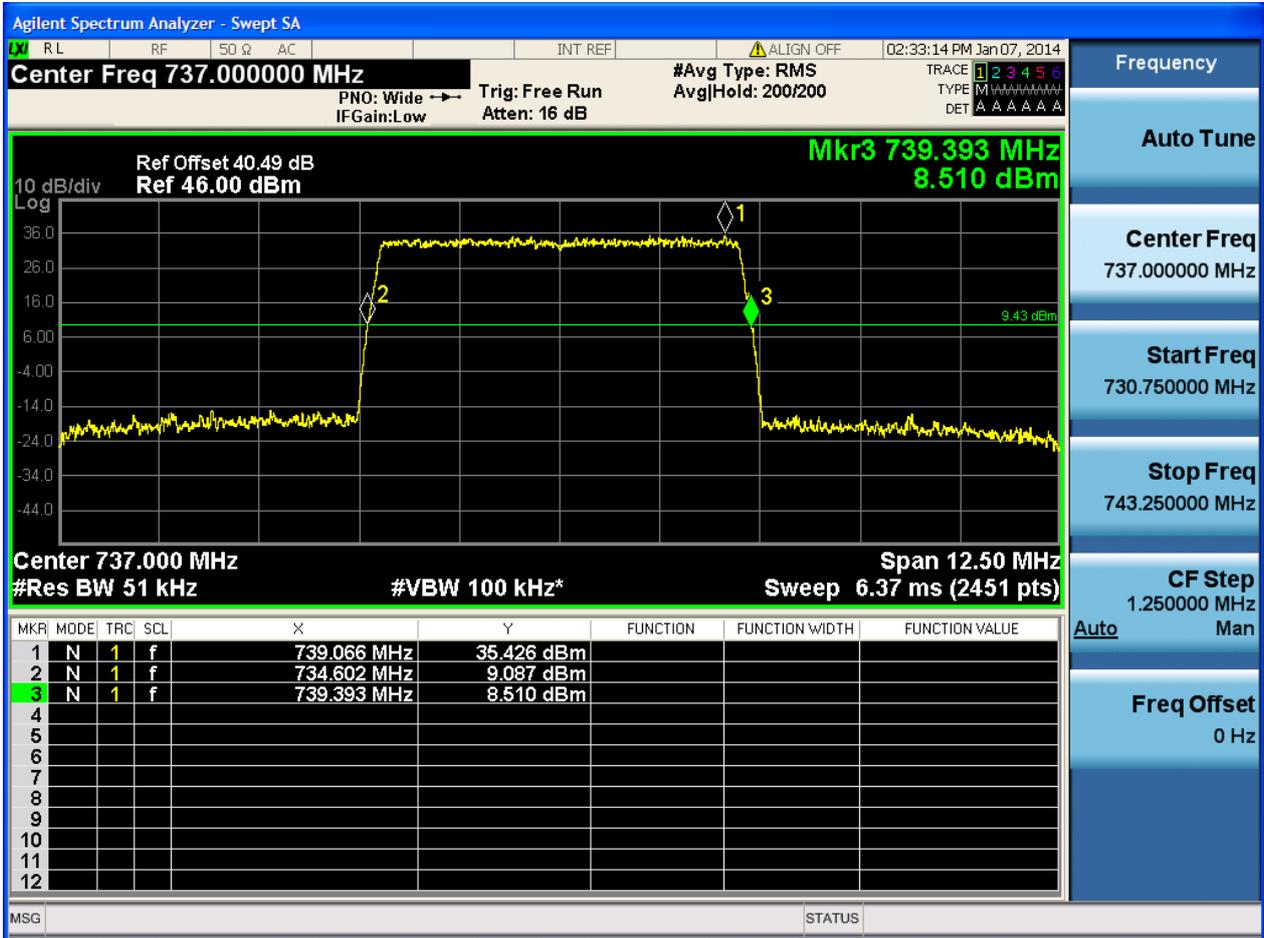


2.2.7 1L\_5M\_E-TM1.1\_B



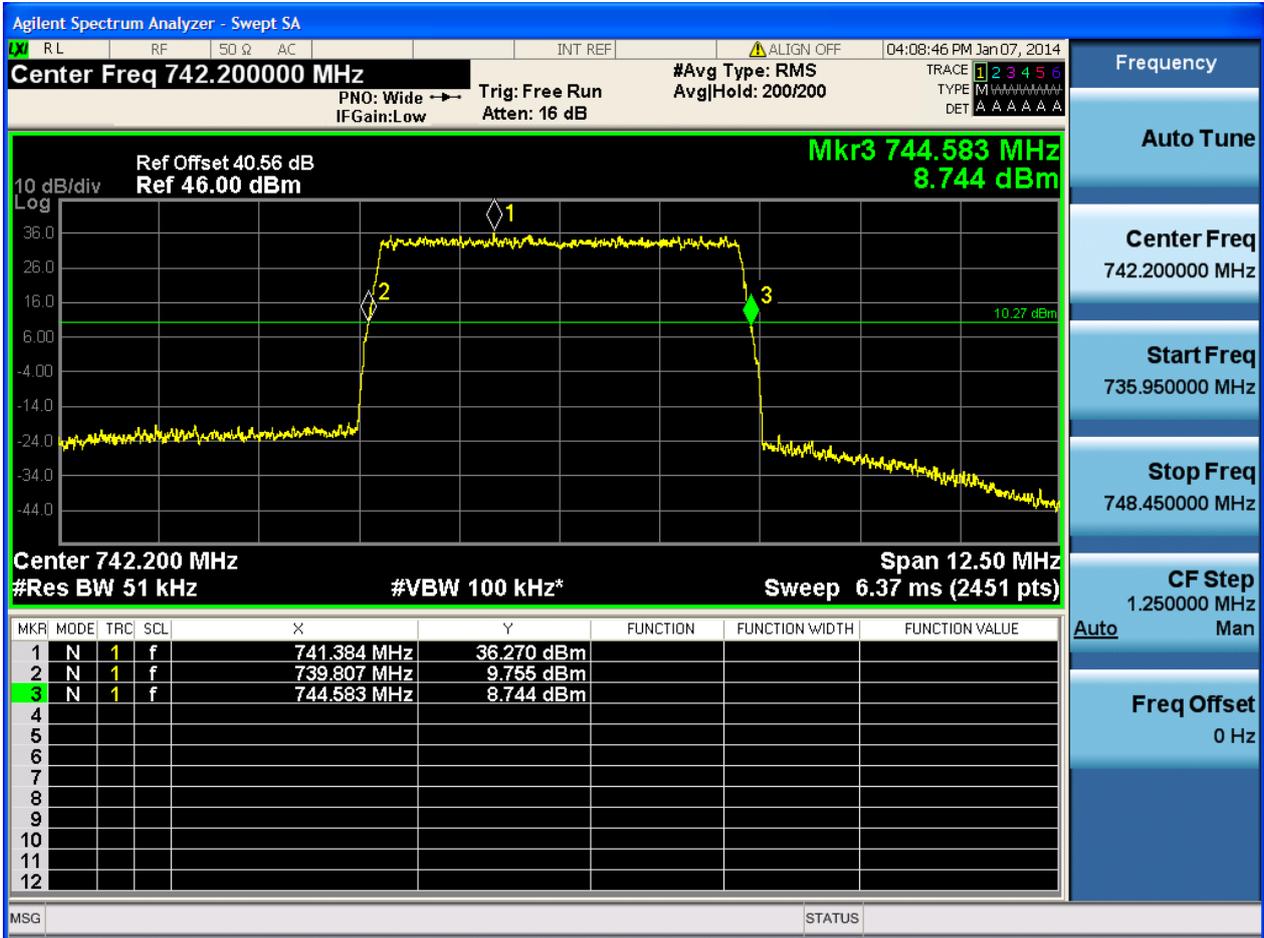


2.2.8 1L\_5M\_E-TM1.1\_M



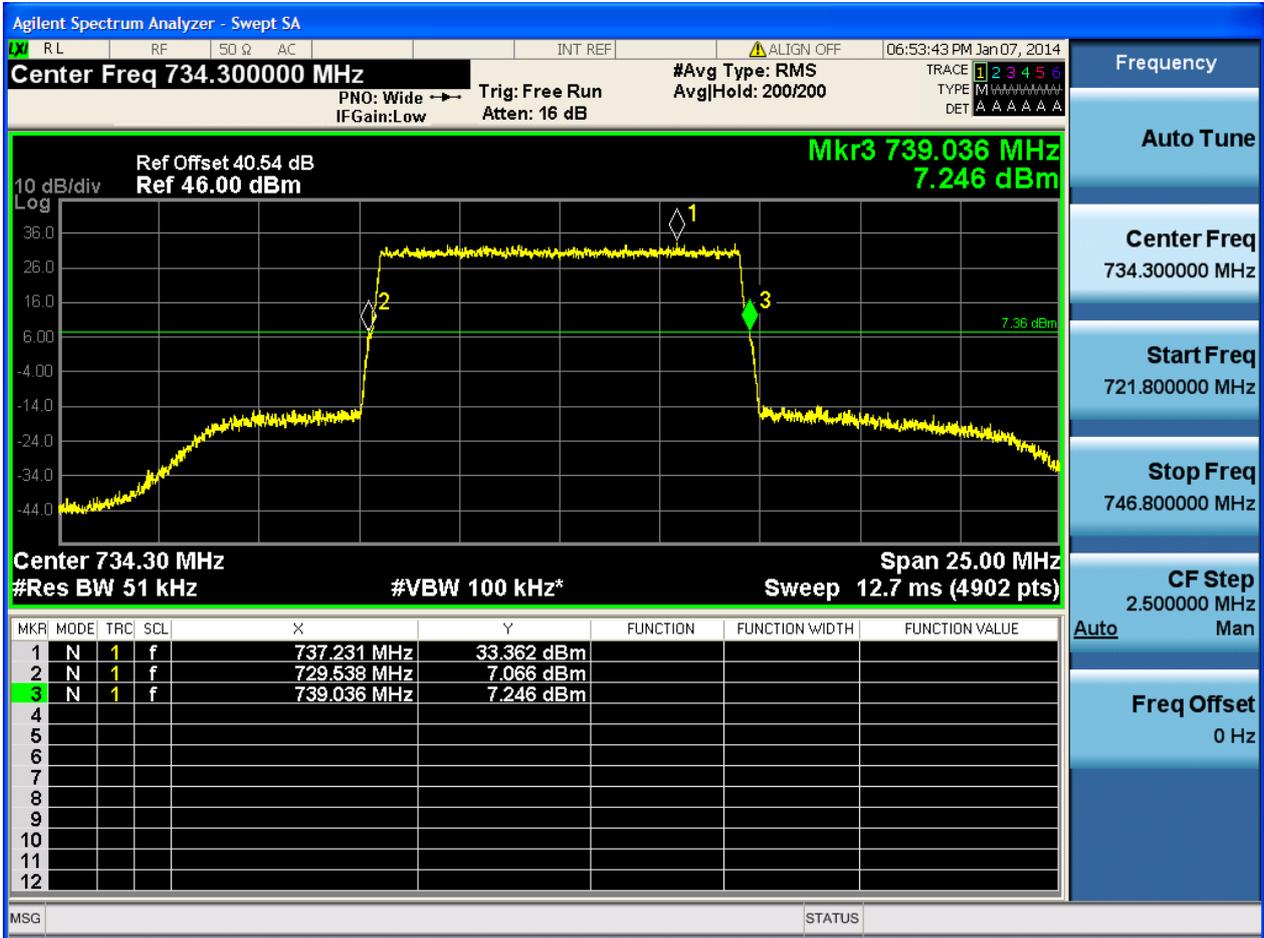


2.2.9 1L\_5M\_E-TM1.1\_T



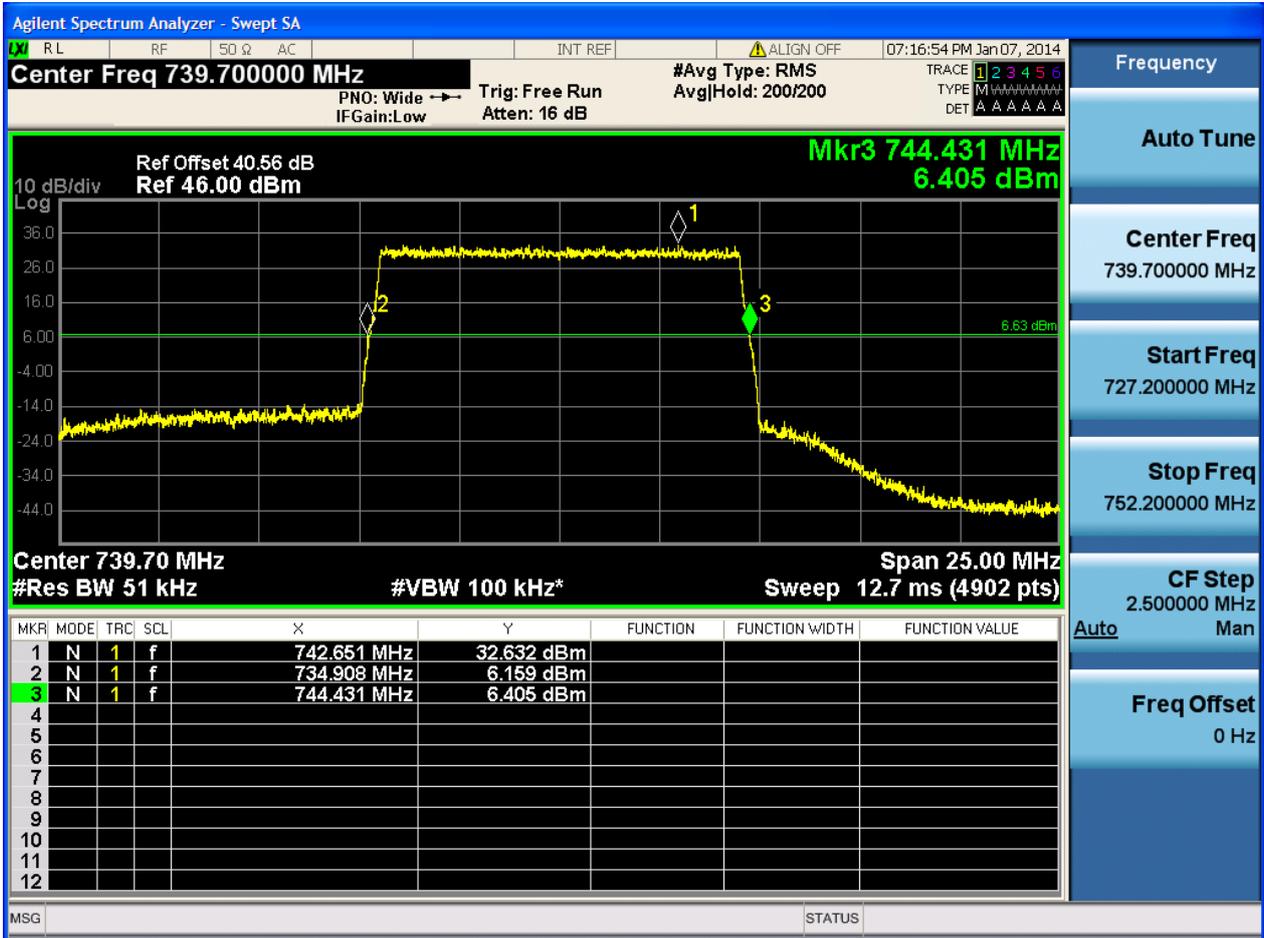


2.2.10 1L\_10M\_E-TM1.1\_B



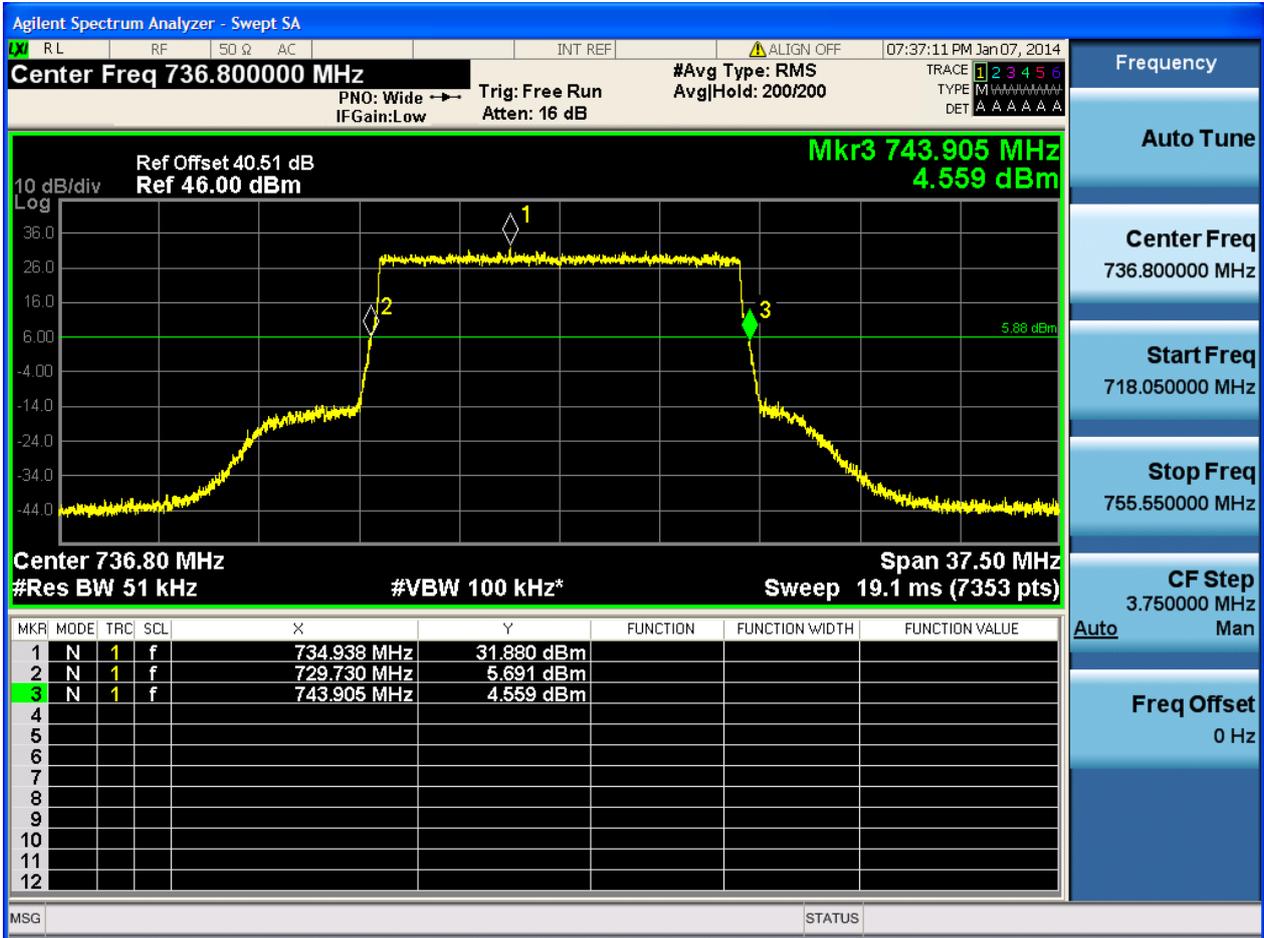


2.2.11 1L\_10M\_E-TM1.1\_T



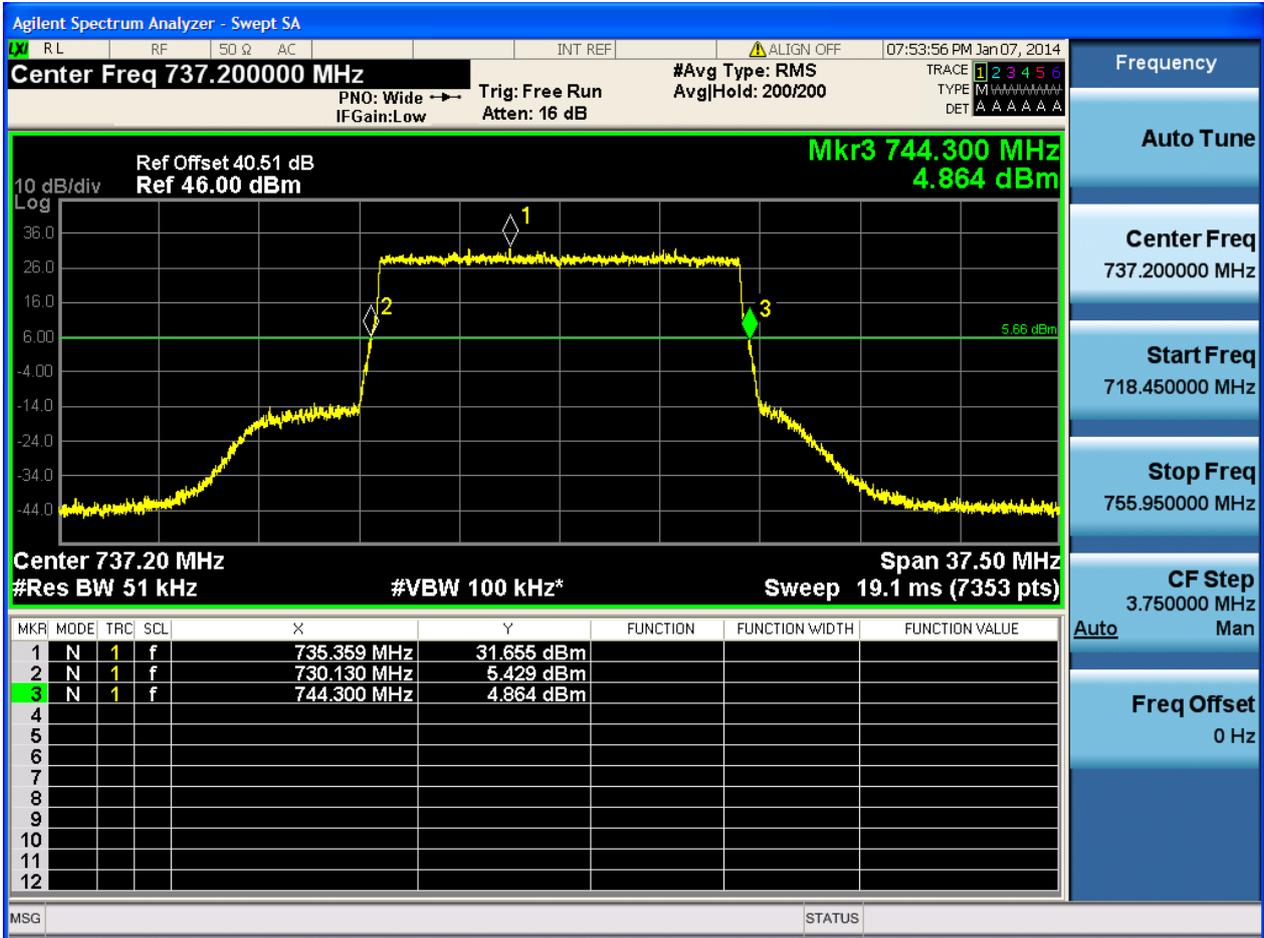


2.2.12 1L\_15M\_E-TM1.1\_B





2.2.13 1L\_15M\_E-TM1.1\_T





# Appendix C: Band Edges Compliance



## 1 Result Table

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

EUT Conf.	Maximum Emission [dBm]	Verdict
1L_1.4M_E-TM1.1_B	-24.78	Pass
1L_1.4M_E-TM1.1_T	-29.67	Pass
1L_3M_E-TM1.1_B	-29.53	Pass
1L_3M_E-TM1.1_T	-28.75	Pass
1L_5M_E-TM1.1_B	-30.21	Pass
1L_5M_E-TM1.1_T	-33.27	Pass
1L_10M_E-TM1.1_B	-25.25	Pass
1L_10M_E-TM1.1_T	-29.16	Pass
1L_15M_E-TM1.1_B	-23.13	Pass
1L_15M_E-TM1.1_T	-23.91	Pass



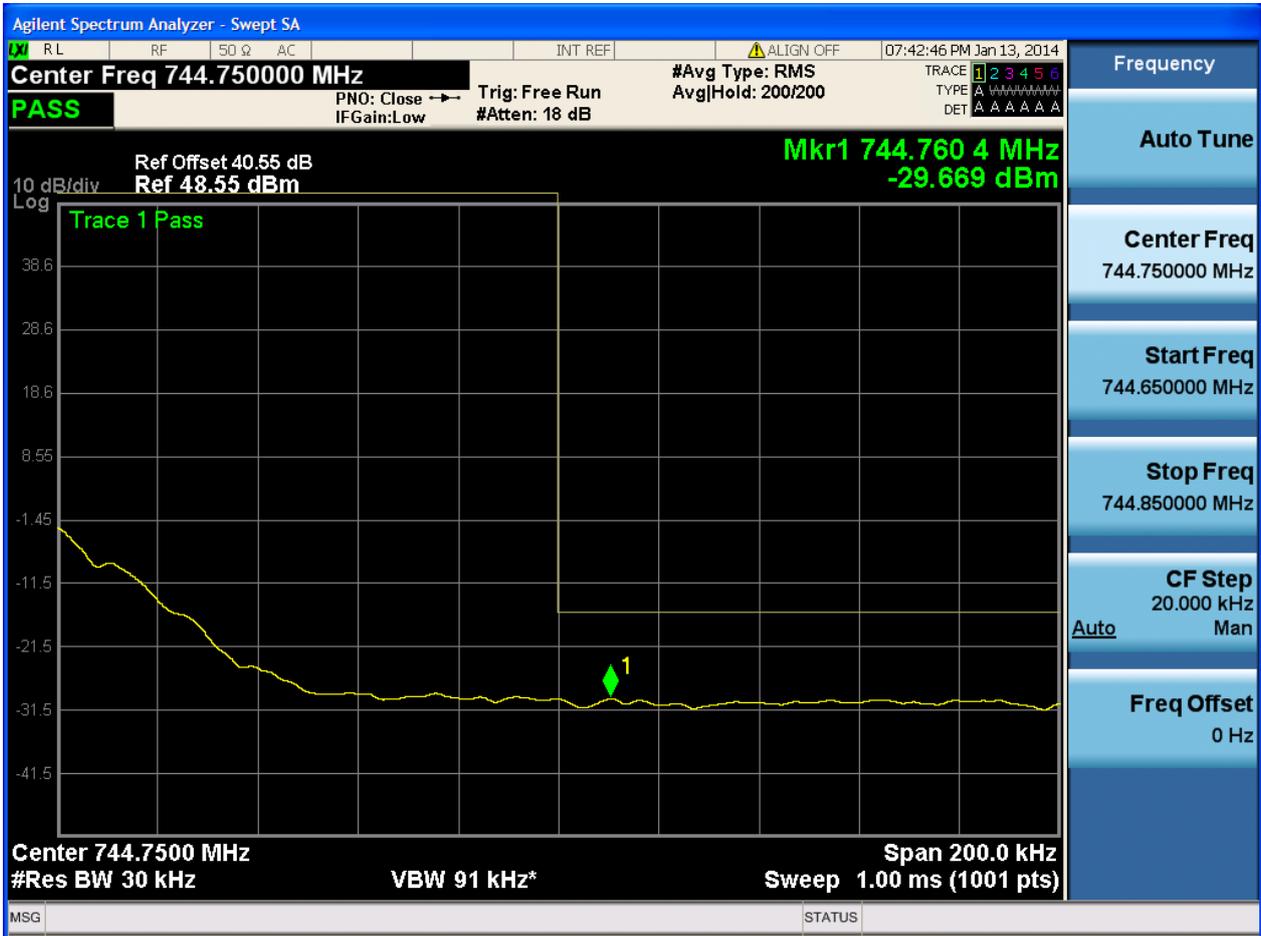
## 2 Test Plot

### 2.1.1 1L\_1.4M\_E-TM1.1\_B





### 2.1.2 1L\_1.4M\_E-TM1.1\_T





2.1.3 1L\_3M\_E-TM1.1\_B



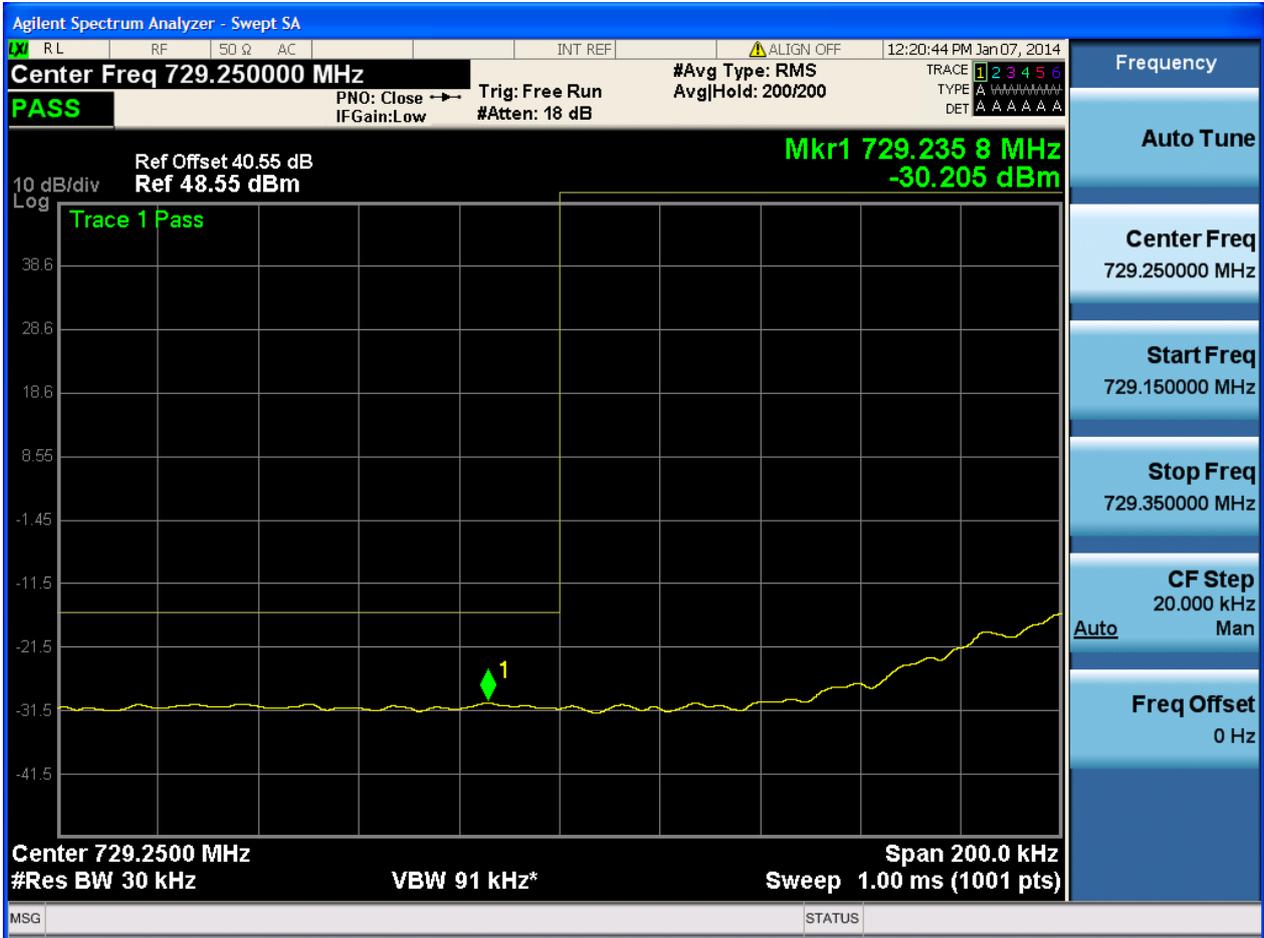


### 2.1.4 1L\_3M\_E-TM1.1\_T





### 2.1.5 1L\_5M\_E-TM1.1\_B



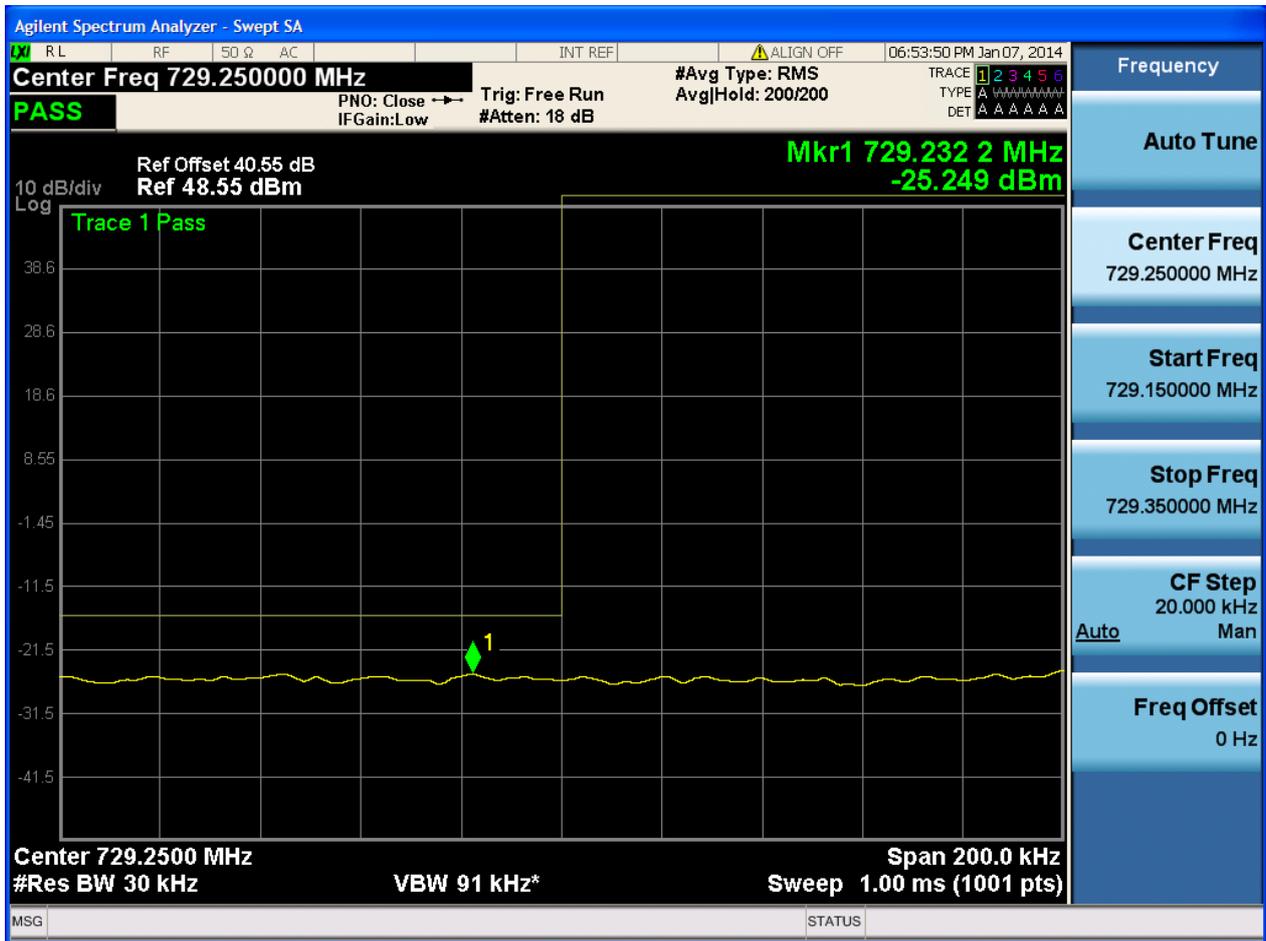


### 2.1.6 1L\_5M\_E-TM1.1\_T



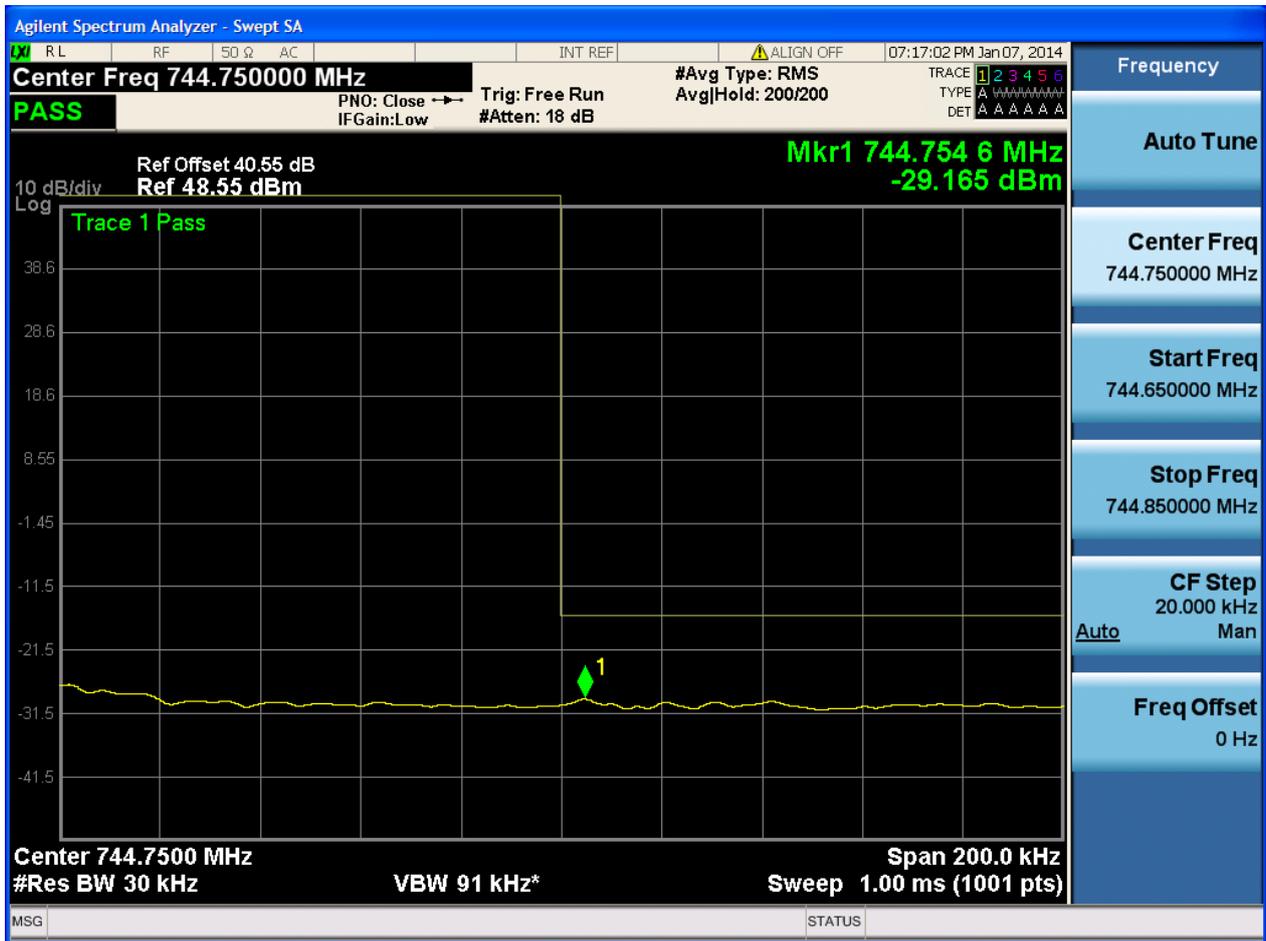


### 2.1.7 1L\_10M\_E-TM1.1\_B





### 2.1.8 1L\_10M\_E-TM1.1\_T





2.1.9 1L\_15M\_E-TM1.1\_B





2.1.10 1L\_15M\_E-TM1.1\_T





# Appendix D: Spurious Emission at Antenna Terminals



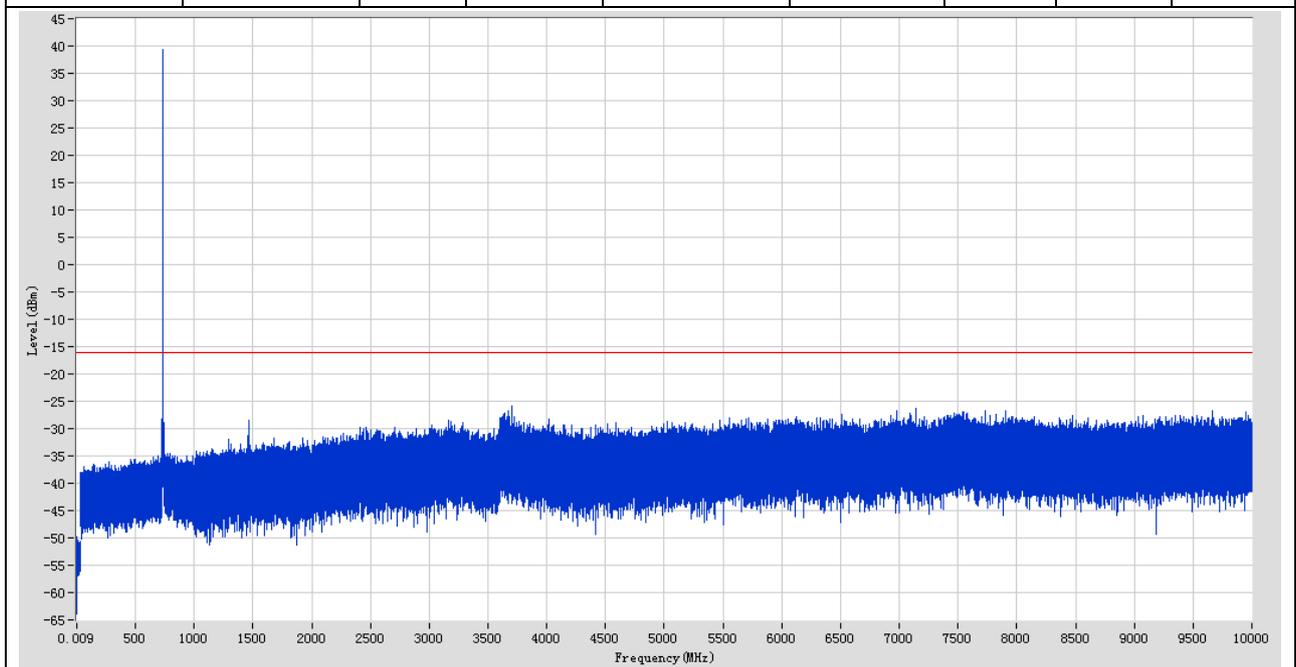
## 1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
1L_1.4M_E-TM1.1_B	< -16	Pass
1L_1.4M_E-TM1.1_M	< -16	Pass
1L_1.4M_E-TM1.1_T	< -16	Pass
1L_3M_E-TM1.1_B	< -16	Pass
1L_3M_E-TM1.1_M	< -16	Pass
1L_3M_E-TM1.1_T	< -16	Pass
1L_5M_E-TM1.1_B	< -16	Pass
1L_5M_E-TM1.1_M	< -16	Pass
1L_5M_E-TM1.1_T	< -16	Pass
1L_10M_E-TM1.1_B	< -16	Pass
1L_10M_E-TM1.1_T	< -16	Pass
1L_15M_E-TM1.1_B	< -16	Pass
1L_15M_E-TM1.1_T	< -16	Pass

## 2 Test Plot

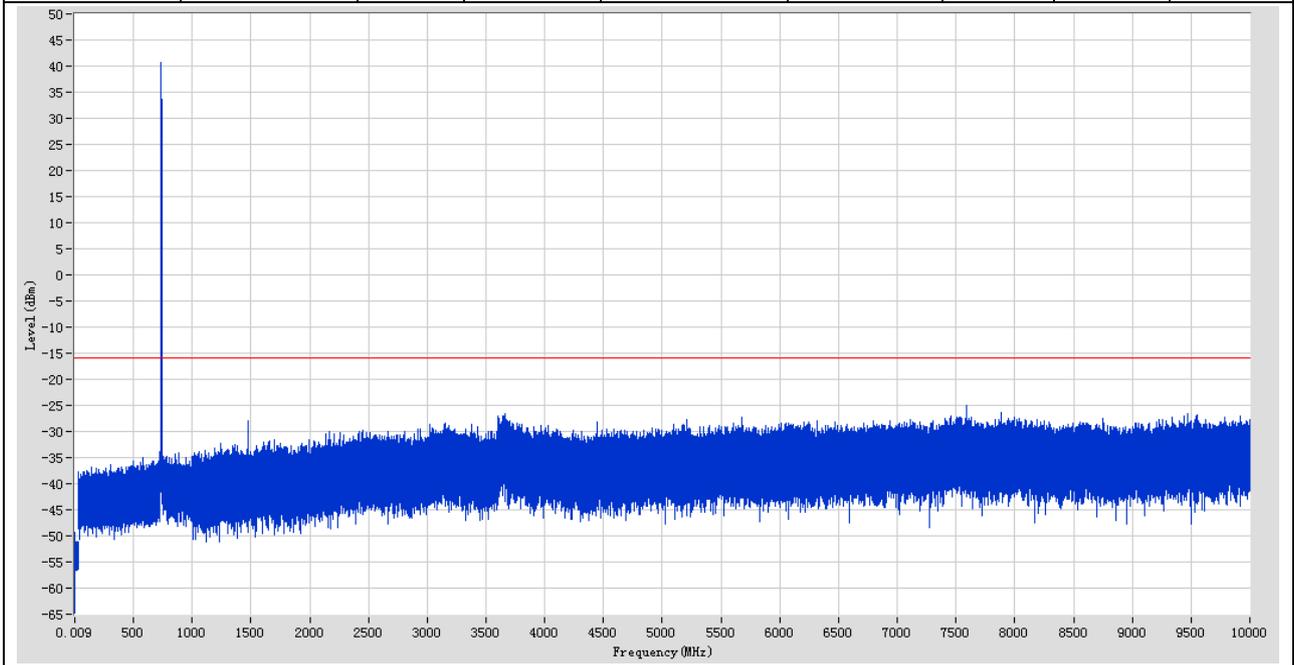
### 2.1.1 1L\_1.4M\_E-TM1.1\_B

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	76.257 k	-55.39	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-49.81	-16	Pass	14925
30	1000	0.1	RMS	729.537488 M	39.36	-16	Fail	48500
1000	10000	0.1	RMS	3700.287505 M	-25.76	-16	Pass	450000



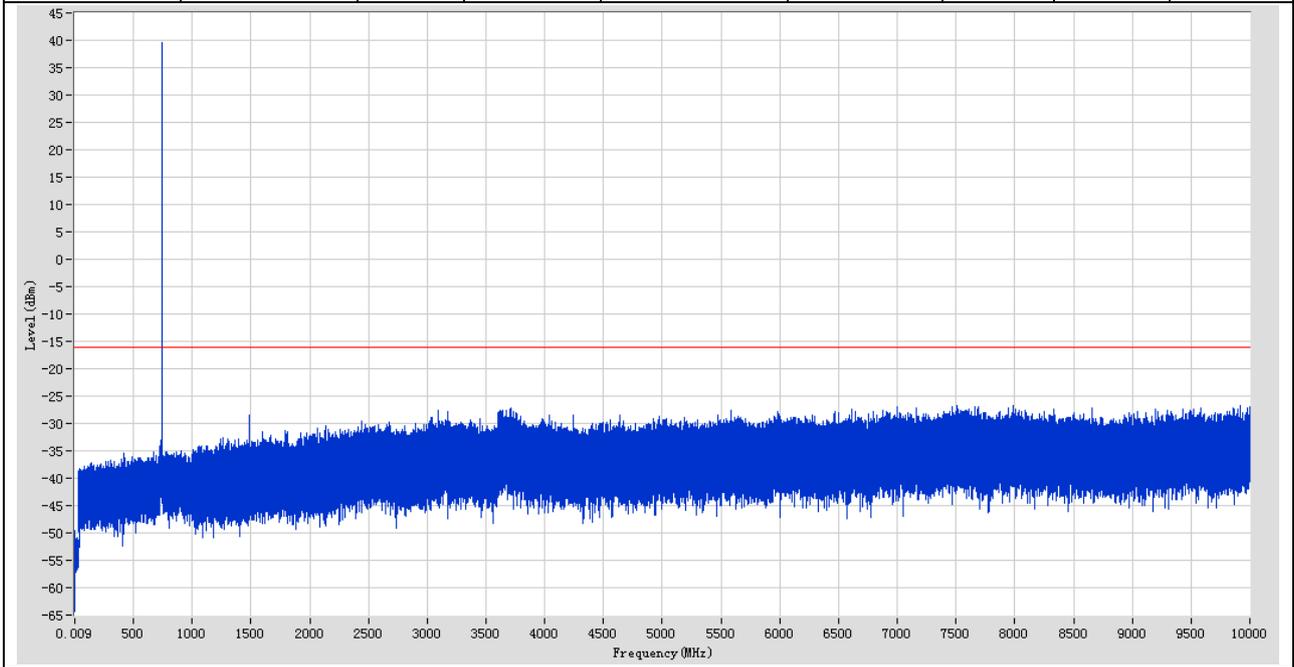
### 2.1.2 1L\_1.4M\_E-TM1.1\_M

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	76.68 k	-54.97	-16	Pass	1001
0.15	30	0.01	RMS	158.001 k	-49.28	-16	Pass	14925
30	1000	0.1	RMS	737.19768 M	40.66	-16	Fail	48500
1000	10000	0.1	RMS	7590.084748 M	-24.94	-16	Pass	450000



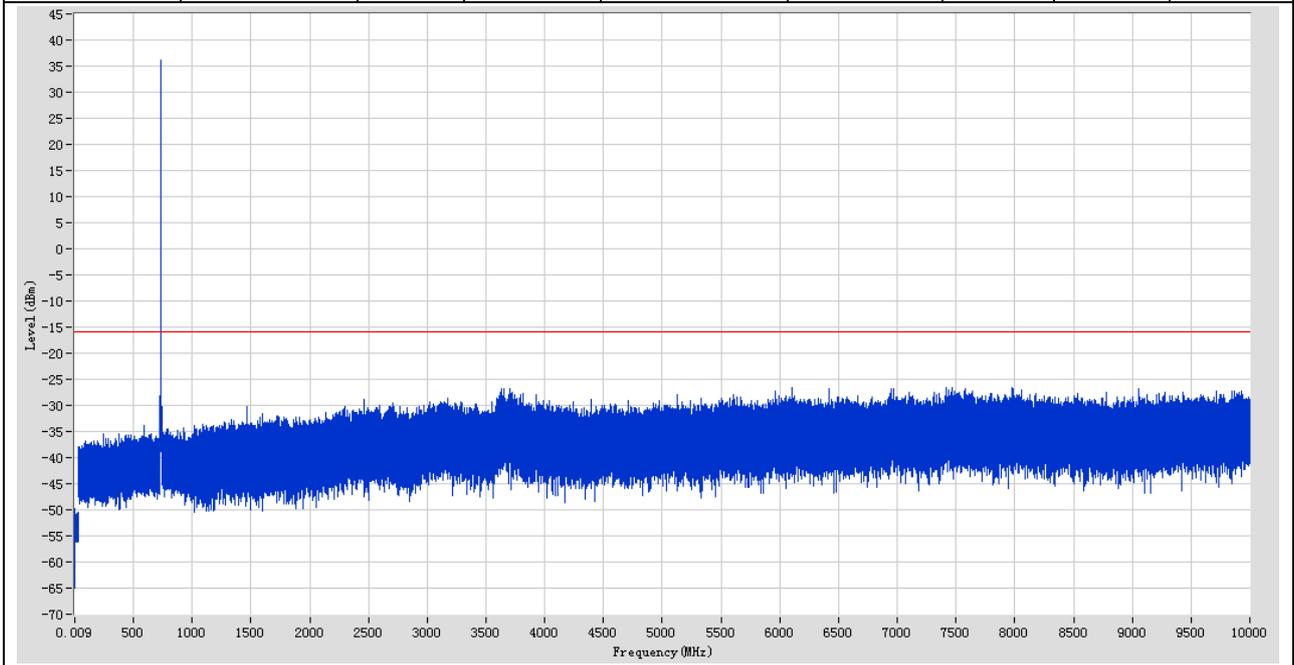
### 2.1.3 1L\_1.4M\_E-TM1.1\_T

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	77.103 k	-53.99	-16	Pass	1001
0.15	30	0.01	RMS	194.003 k	-49.67	-16	Pass	14925
30	1000	0.1	RMS	744.337858 M	39.5	-16	Fail	48500
1000	10000	0.1	RMS	9921.772169 M	-26.64	-16	Pass	450000



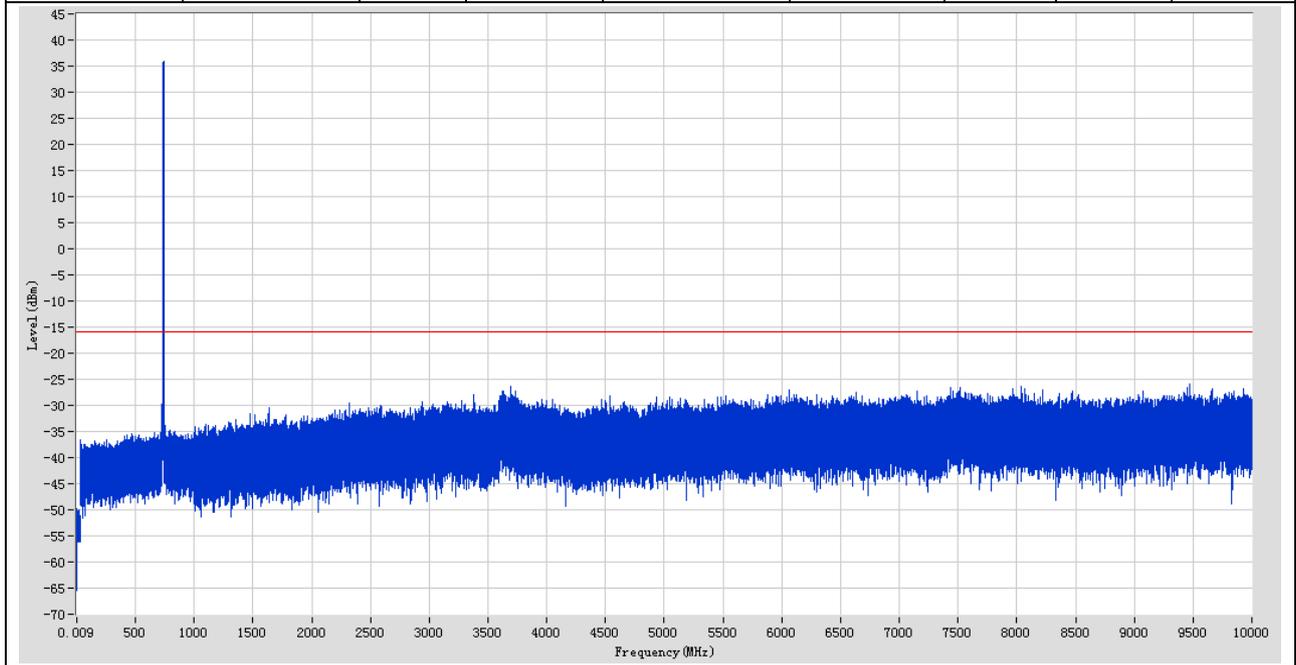
2.1.4 1L\_3M\_E-TM1.1\_B

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	77.103 k	-55.48	-16	Pass	1001
0.15	30	0.01	RMS	314.011 k	-49.75	-16	Pass	14925
30	1000	0.1	RMS	730.117502 M	36.22	-16	Fail	48500
1000	10000	0.1	RMS	6107.587687 M	-26.61	-16	Pass	450000



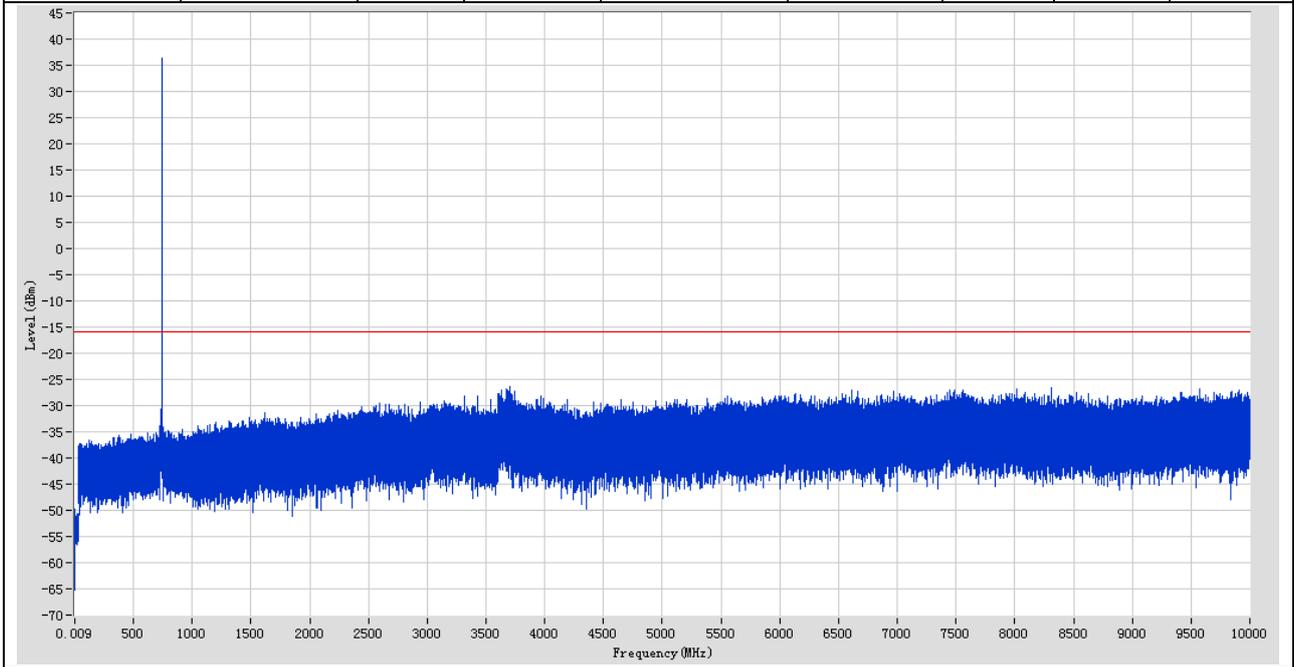
### 2.1.5 1L\_3M\_E-TM1.1\_M

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	76.962 k	-55.21	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-49.77	-16	Pass	14925
30	1000	0.1	RMS	737.577689 M	36.02	-16	Fail	48500
1000	10000	0.1	RMS	9467.791689 M	-26.01	-16	Pass	450000



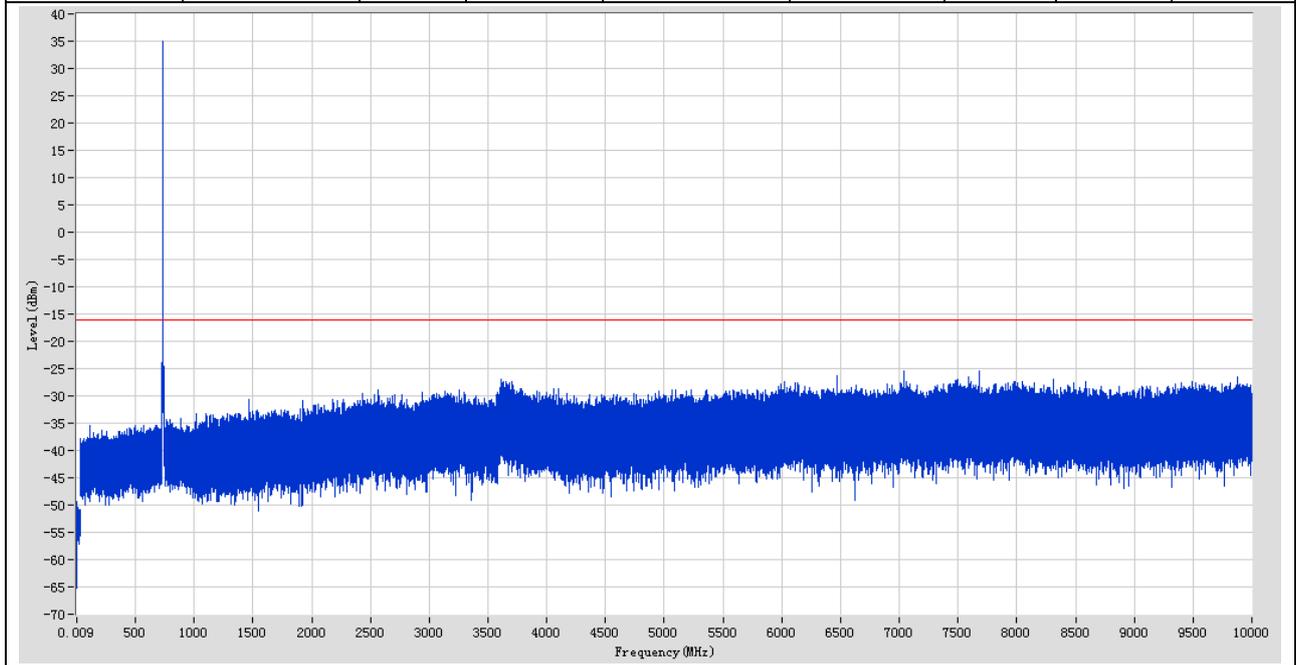
### 2.1.6 1L\_3M\_E-TM1.1\_T

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	76.68 k	-55.73	-16	Pass	1001
0.15	30	0.01	RMS	168.001 k	-49.77	-16	Pass	14925
30	1000	0.1	RMS	743.017825 M	36.26	-16	Fail	48500
1000	10000	0.1	RMS	3707.207678 M	-26.3	-16	Pass	450000



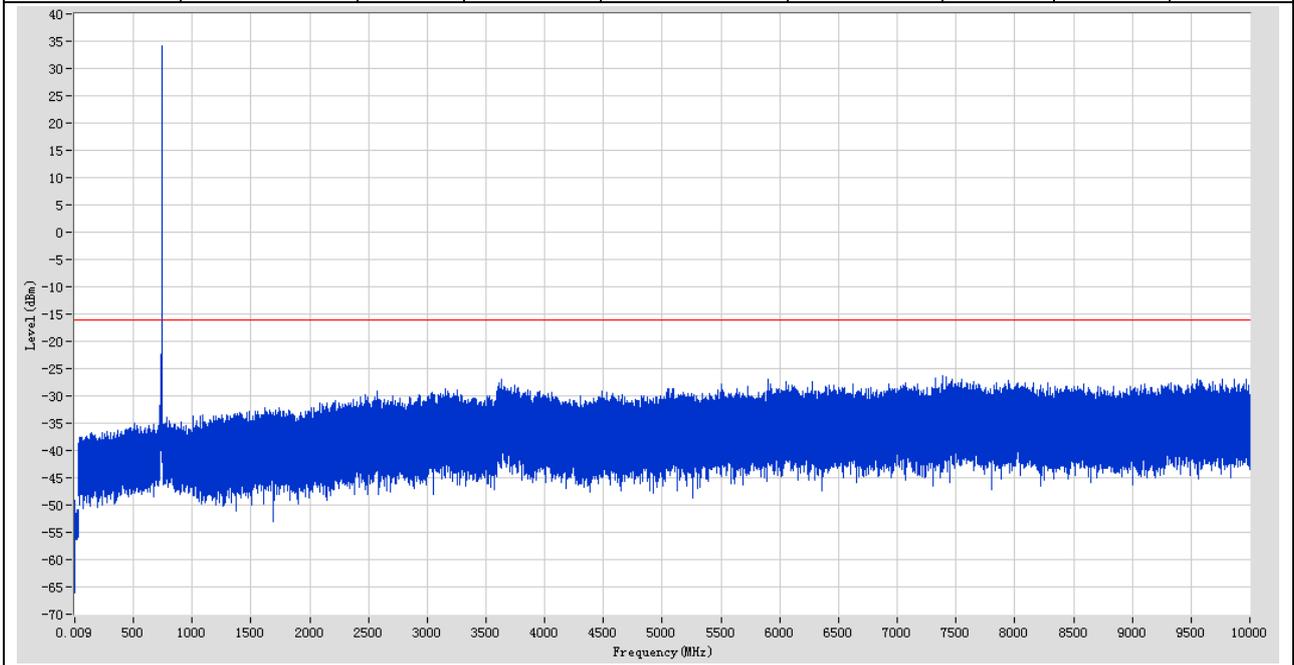
### 2.1.7 1L\_5M\_E-TM1.1\_B

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	77.103 k	-51.77	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-49.37	-16	Pass	14925
30	1000	0.1	RMS	732.437561 M	34.99	-16	Fail	48500
1000	10000	0.1	RMS	7678.186951 M	-25.39	-16	Pass	450000



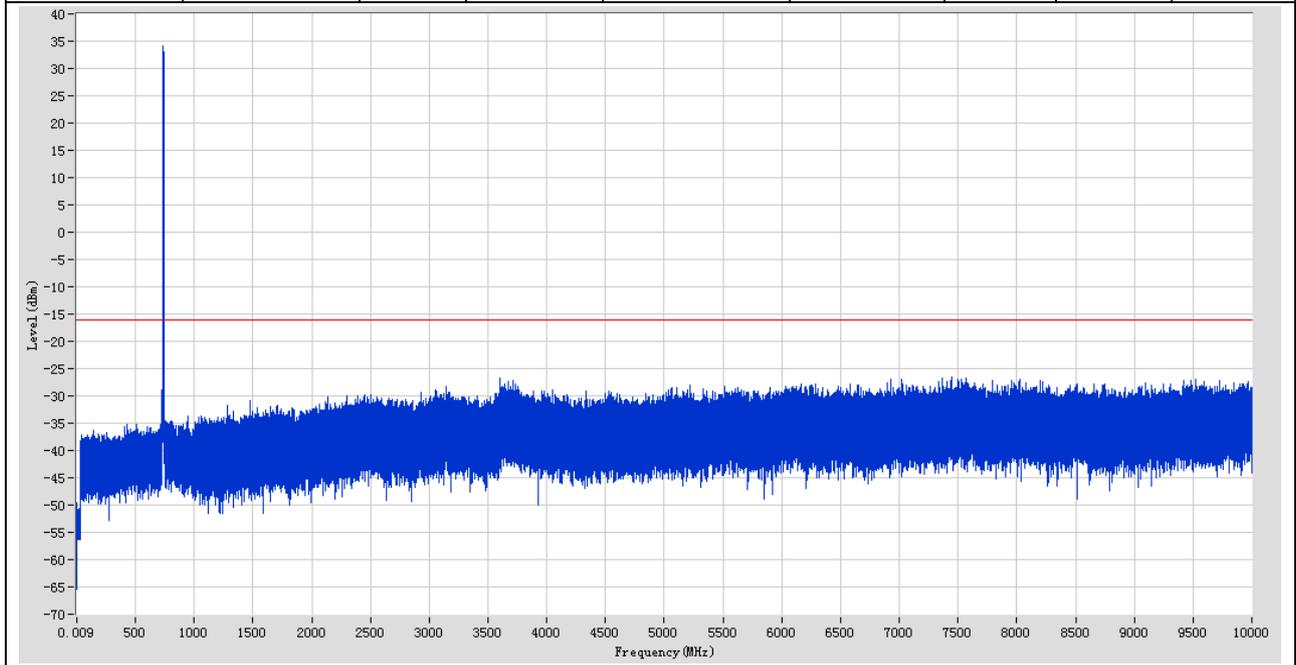
### 2.1.8 1L\_5M\_E-TM1.1\_M

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	76.821 k	-51.7	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-49.04	-16	Pass	14925
30	1000	0.1	RMS	743.737843 M	34.08	-16	Fail	48500
1000	10000	0.1	RMS	7387.079673 M	-26.27	-16	Pass	450000



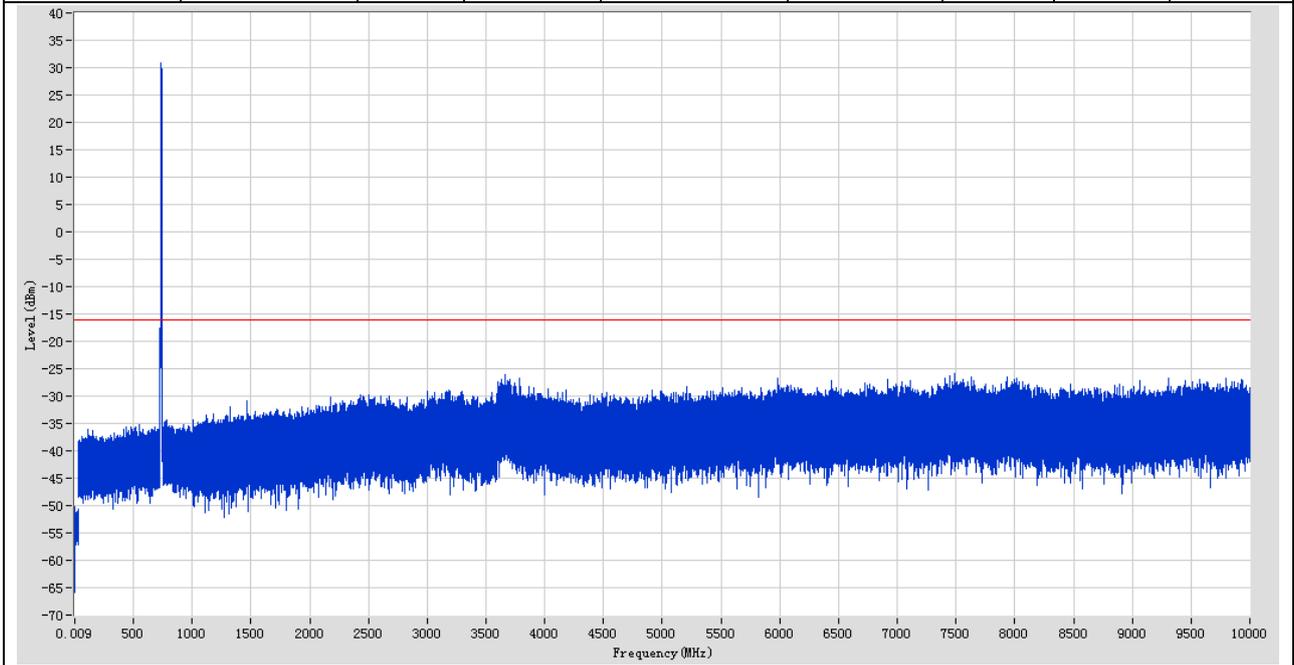
### 2.1.9 1L\_5M\_E-TM1.1\_T

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	76.962 k	-50.98	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-49.62	-16	Pass	14925
30	1000	0.1	RMS	735.477637 M	34.15	-16	Fail	48500
1000	10000	0.1	RMS	7442.681063 M	-26.49	-16	Pass	450000



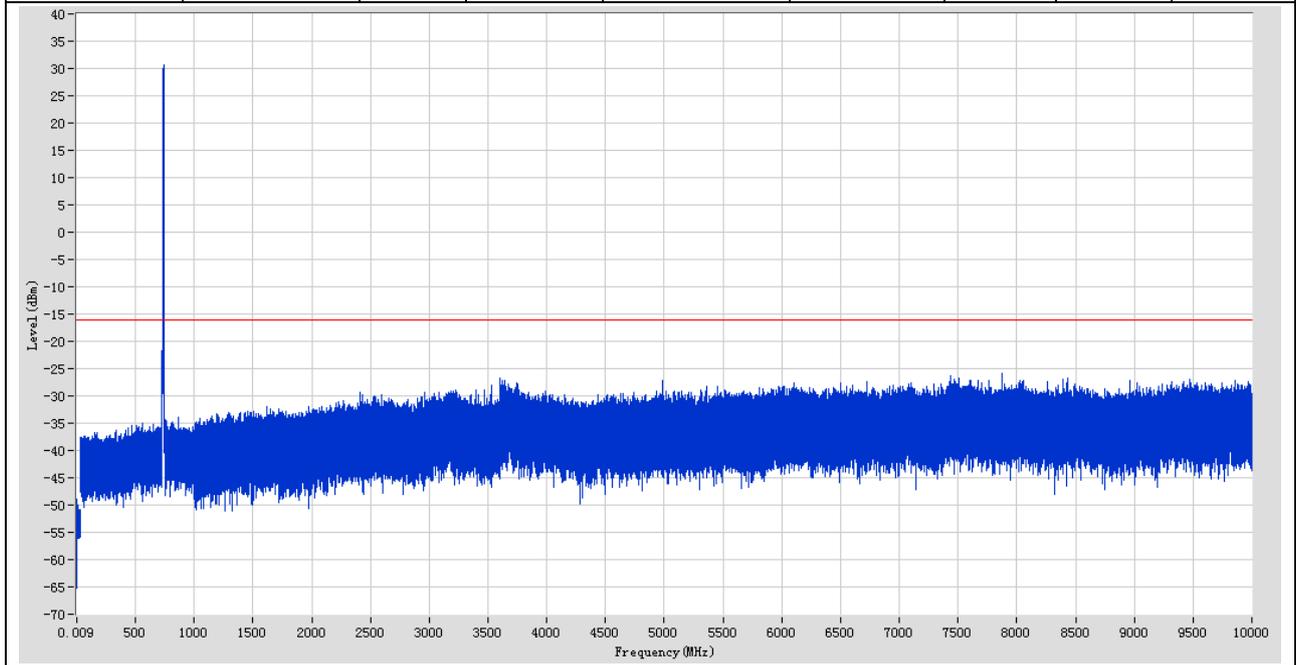
2.1.10 1L\_10M\_E-TM1.1\_B

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	76.962 k	-51.37	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-50.17	-16	Pass	14925
30	1000	0.1	RMS	733.837596 M	30.92	-16	Fail	48500
1000	10000	0.1	RMS	7486.902168 M	-25.81	-16	Pass	450000



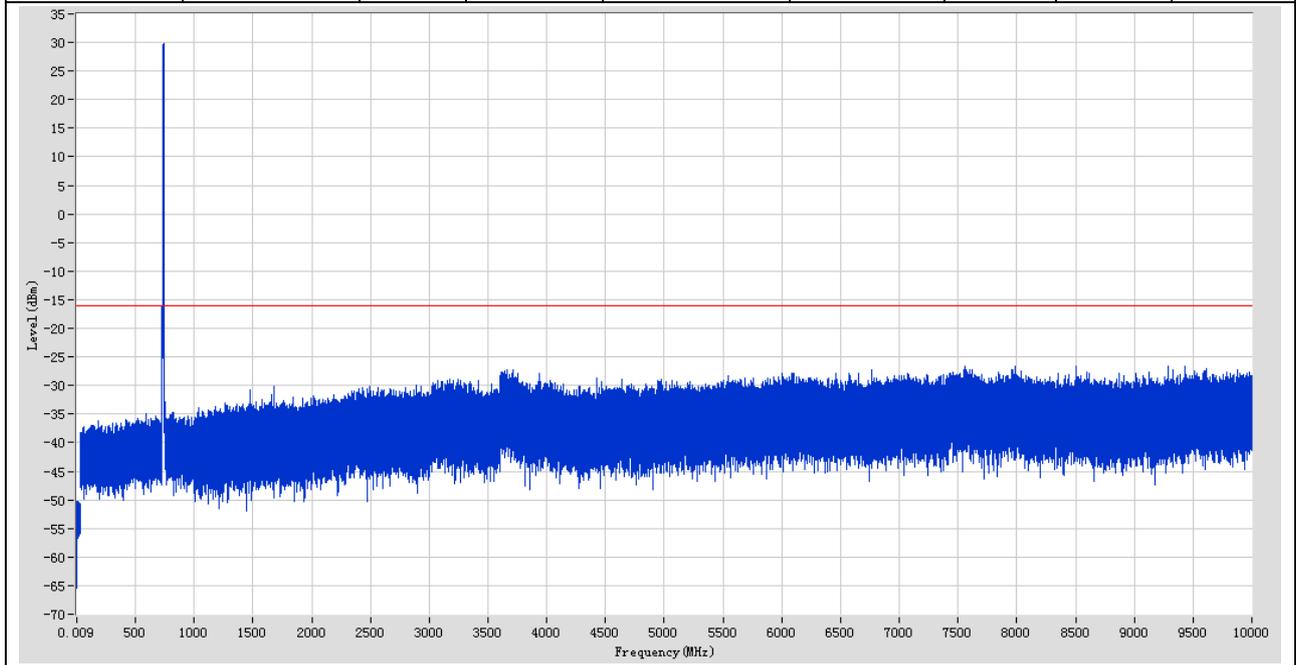
2.1.11 1L\_10M\_E-TM1.1\_T

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	76.68 k	-50.53	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-48.88	-16	Pass	14925
30	1000	0.1	RMS	740.217755 M	30.63	-16	Fail	48500
1000	10000	0.1	RMS	7870.191751 M	-25.97	-16	Pass	450000



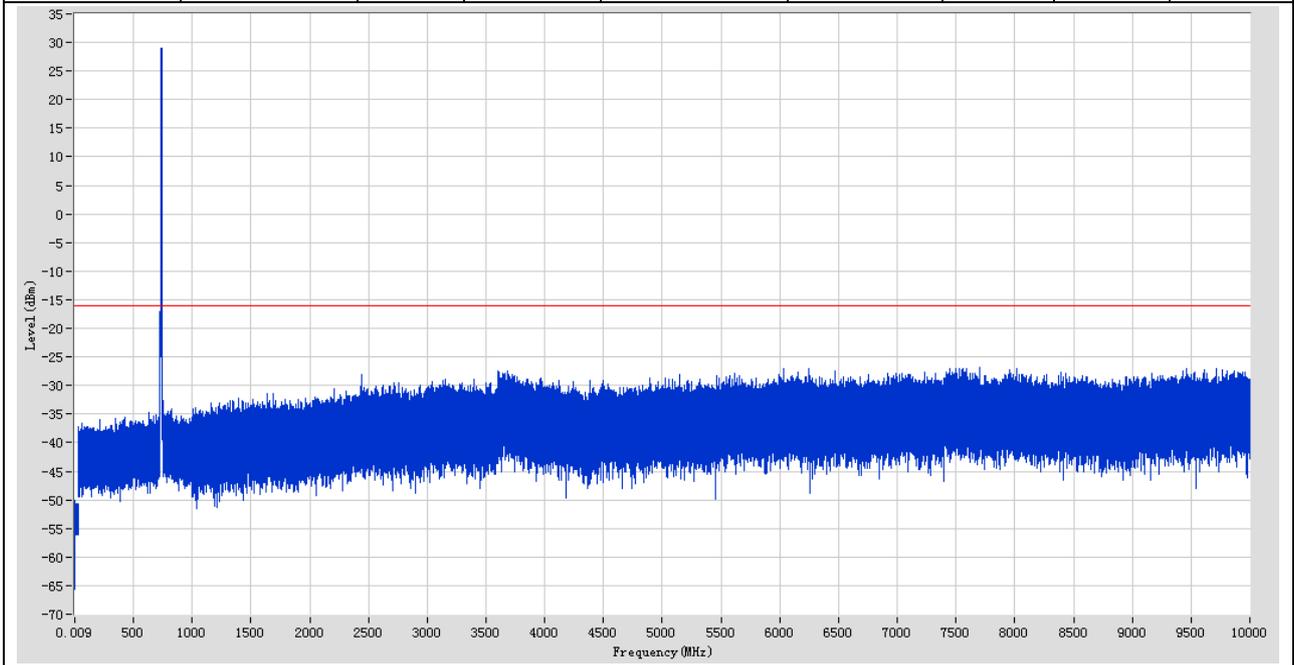
### 2.1.12 1L\_15M\_E-TM1.1\_B

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	77.103 k	-53.32	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-50.26	-16	Pass	14925
30	1000	0.1	RMS	739.337733 M	29.76	-16	Fail	48500
1000	10000	0.1	RMS	7988.494708 M	-26.58	-16	Pass	450000



### 2.1.13 1L\_15M\_E-TM1.1\_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	76.962 k	-54.35	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-50.06	-16	Pass	14925
30	1000	0.1	RMS	735.757644 M	28.95	-16	Fail	48500
1000	10000	0.1	RMS	7697.847442 M	-26.74	-16	Pass	450000





# Appendix E: Field Strength of Spurious Radiation



## 1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
1L_1.4M_E-TM1.1_B	< -13	Pass

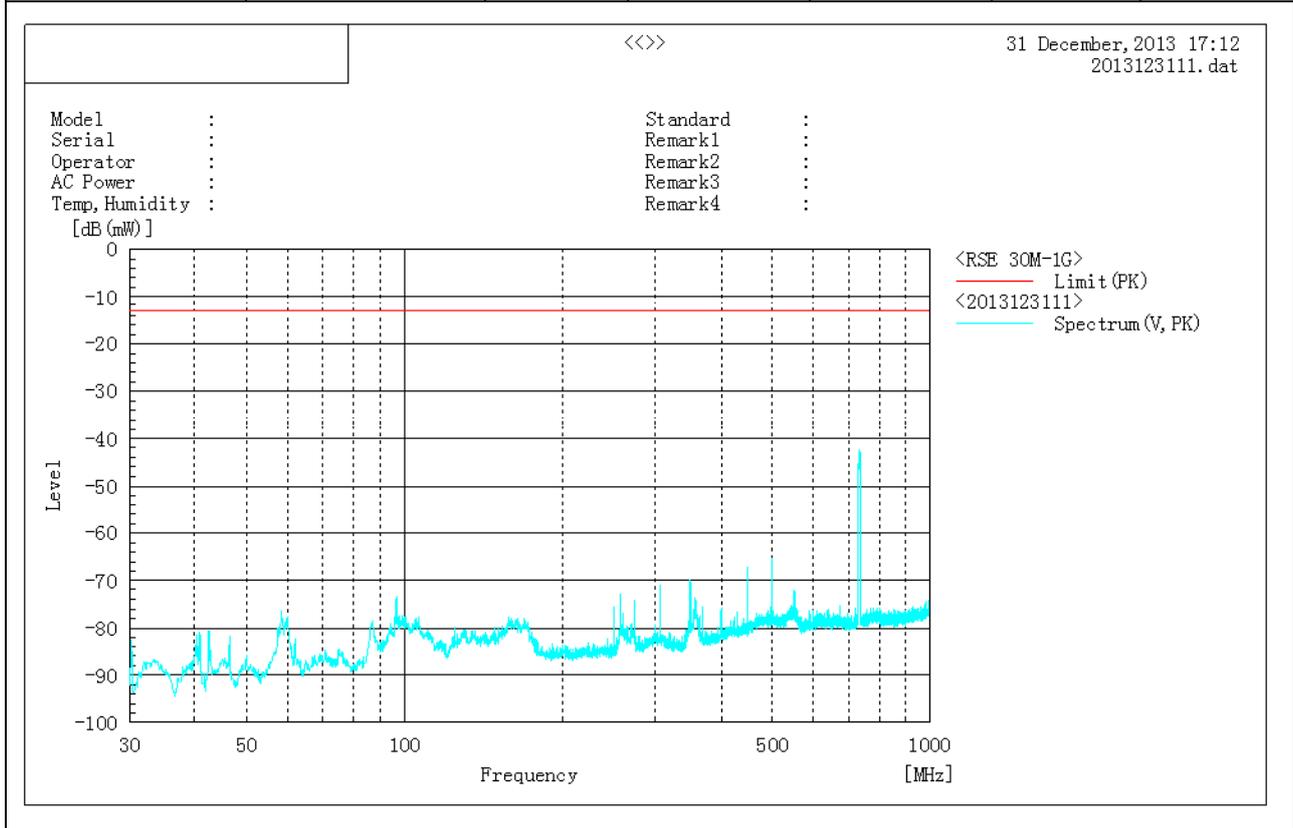


## 2 Test Plot

### 2.1 1L\_1.4M\_E-TM1.1\_M

#### 2.1.1 Below 1GHz

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Emission [dBm]	Limit [dBm]	Verdict
30	1000	0.1	peak	<-13	-13	Pass

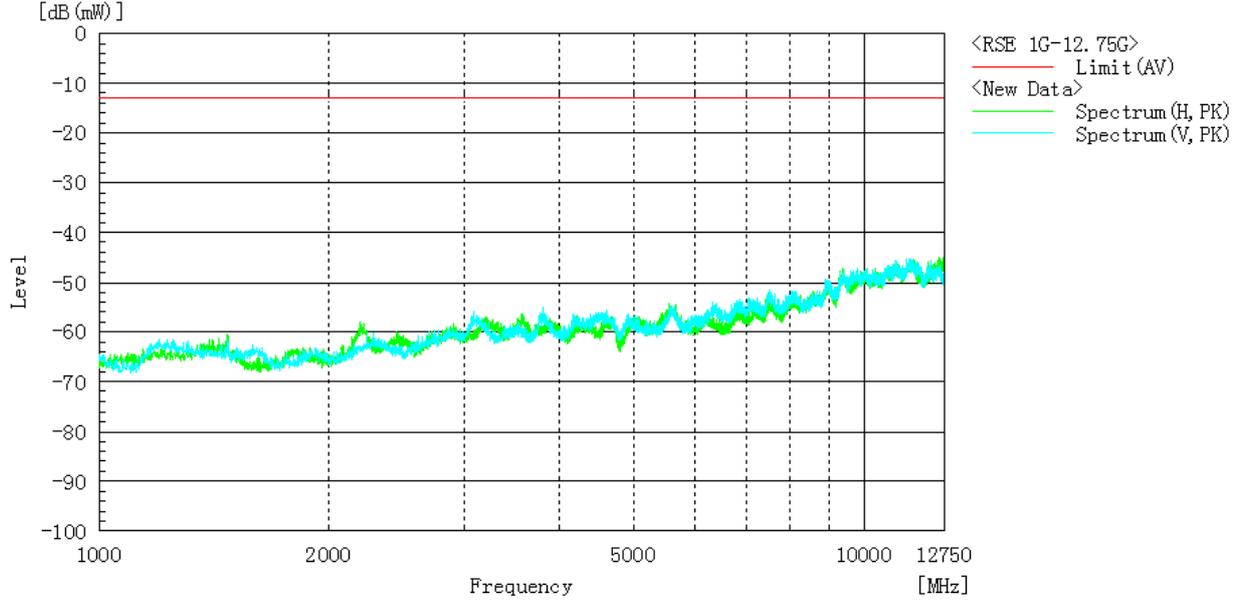


### 2.1.2 Above 1GHz

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Emission [dBm]	Limit [dBm]	Verdict
1000	12750	1	peak	<-13	-13	Pass

```

Model      :                               Standard :
Serial     :                               Remark1  :
Operator   :                               Remark2  :
AC Power   :                               Remark3  :
Temp, Humidity :                          Remark4  :
  
```





# Appendix F: Frequency Stability

## 1 Result Table

### 1.1 Frequency Error

Note: A representative EUT configuration was selected since the un-modulation carrier configuration was required by the standards/rules.

(1) Frequency Error vs. Temperature:

EUT Conf.	Voltage	Temperature	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_1.4M_E-TM1.1_M	100%	-30 °C	10.24	0.013894	0.013894	Pass
		-20 °C	6.06	0.008223	0.008223	Pass
		-10 °C	5.42	0.007354	0.007354	Pass
		0 °C	4.55	0.006174	0.006174	Pass
		+10 °C	4.54	0.006160	0.006160	Pass
		+20 °C	3.49	0.004735	0.004735	Pass
		+30 °C	7.20	0.009769	0.009769	Pass
		+40 °C	6.02	0.008168	0.008168	Pass
		+50 °C	7.48	0.010149	0.010149	Pass

(2) Frequency Error vs. Voltage:

EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_1.4M_E-TM1.1_M	+20 °C	85 %	2.80	0.003799	0.003799	Pass
		100 %	3.49	0.004735	0.004735	Pass
		115 %	5.62	0.007626	0.007626	Pass

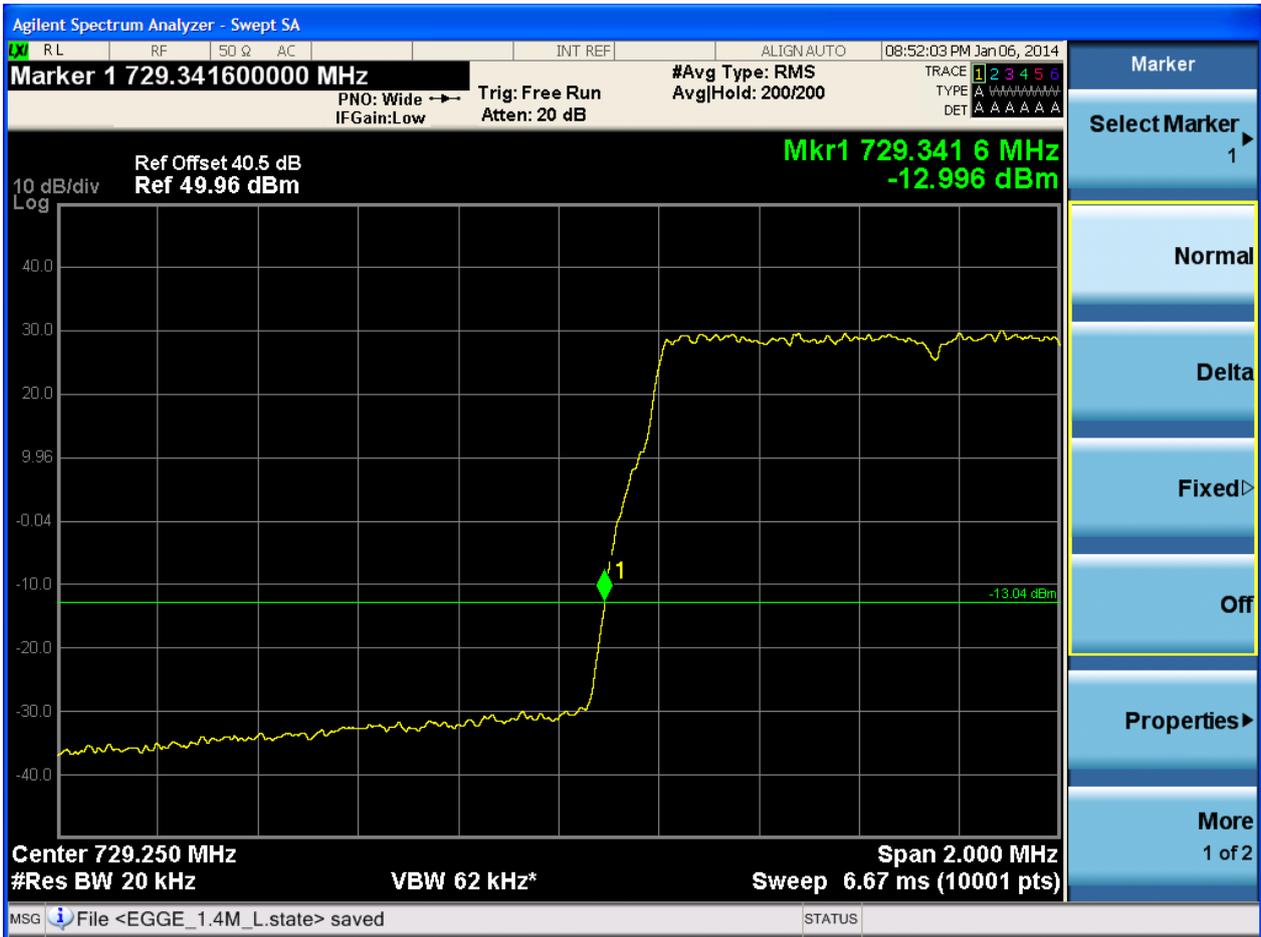
### 1.2 Frequency Range

EUT Conf.	Reference Point, fL/fH [MHz]	Frequency Range [MHz]	Verdict
1L_1.4M_E-TM1.1_B	729.3416	729.3416	Pass
1L_1.4M_E-TM1.1_T	744.6612	744.6612	Pass
1L_3M_E-TM1.1_B	729.3256	729.3256	Pass
1L_3M_E-TM1.1_T	744.6742	744.6742	Pass
1L_5M_E-TM1.1_B	729.3484	729.3484	Pass
1L_5M_E-TM1.1_T	744.6584	744.6584	Pass
1L_10M_E-TM1.1_B	729.4256	729.4256	Pass
1L_10M_E-TM1.1_T	744.5718	744.5718	Pass
1L_15M_E-TM1.1_B	729.4218	729.4218	Pass
1L_15M_E-TM1.1_T	744.5890	744.5890	Pass

## 2 Test Plot

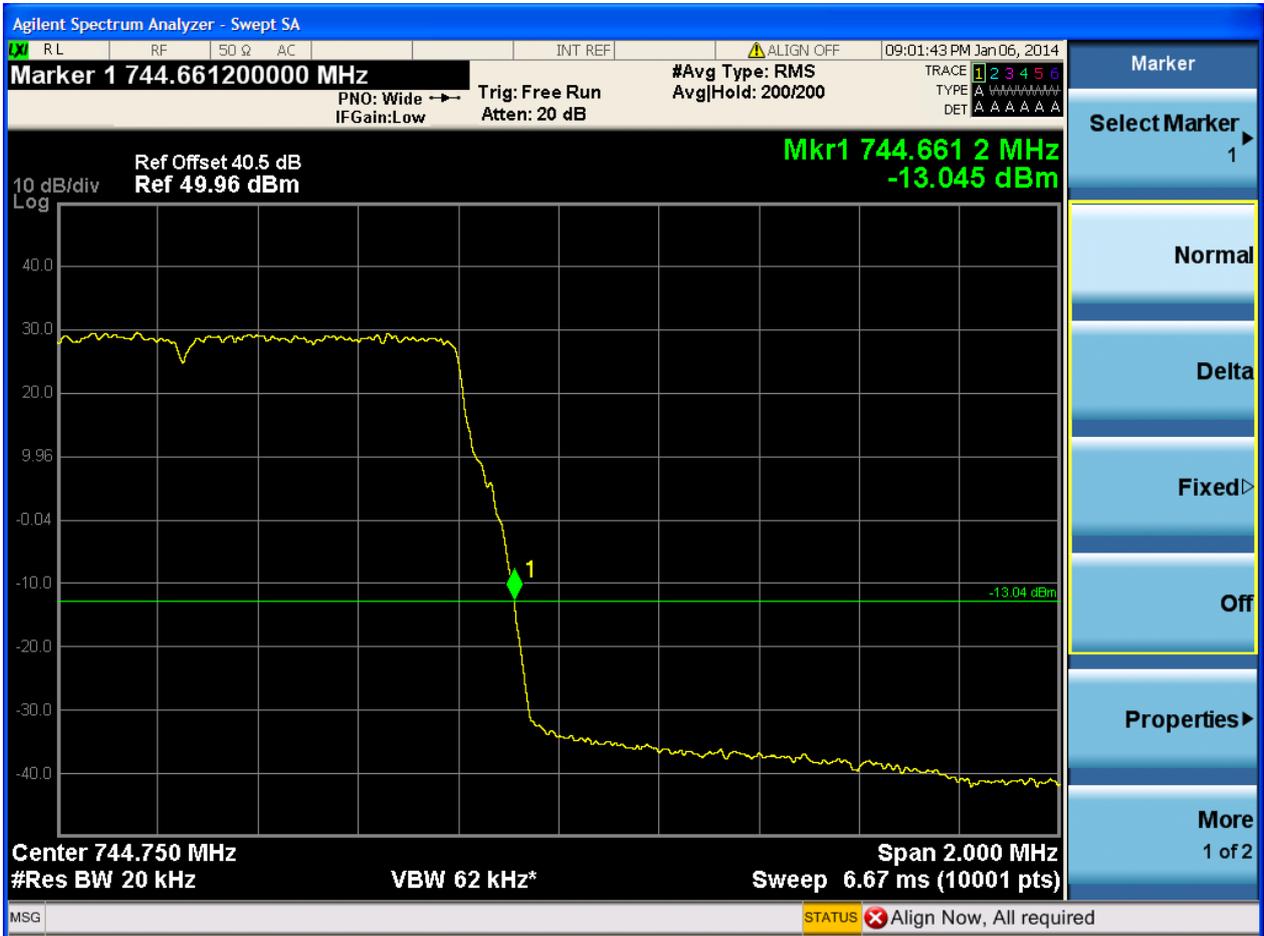
NOTE: Only the test plots for the measurements of Frequency Range are supplied.

### 2.1 1L\_1.4M\_E-TM1.1\_B

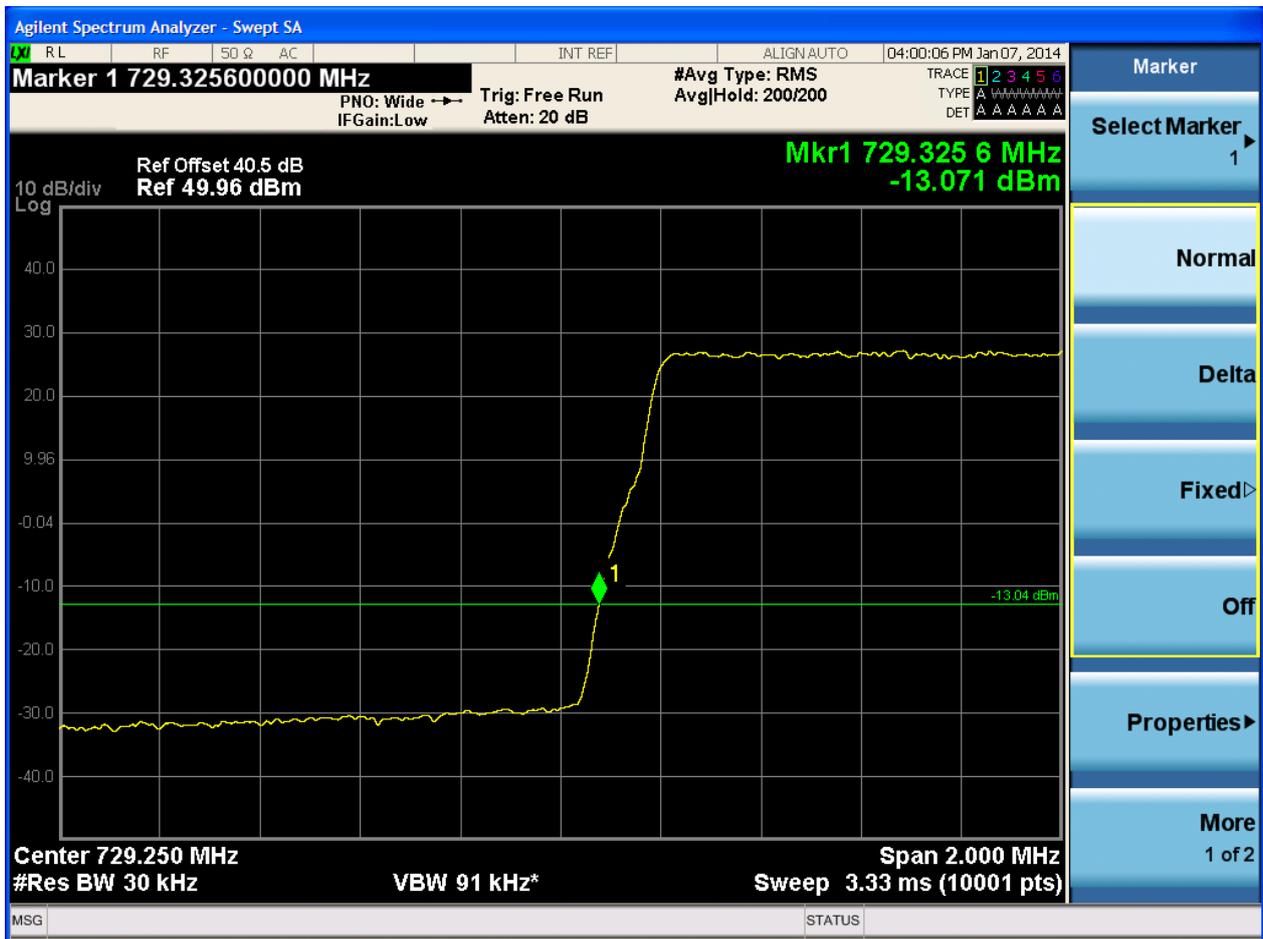




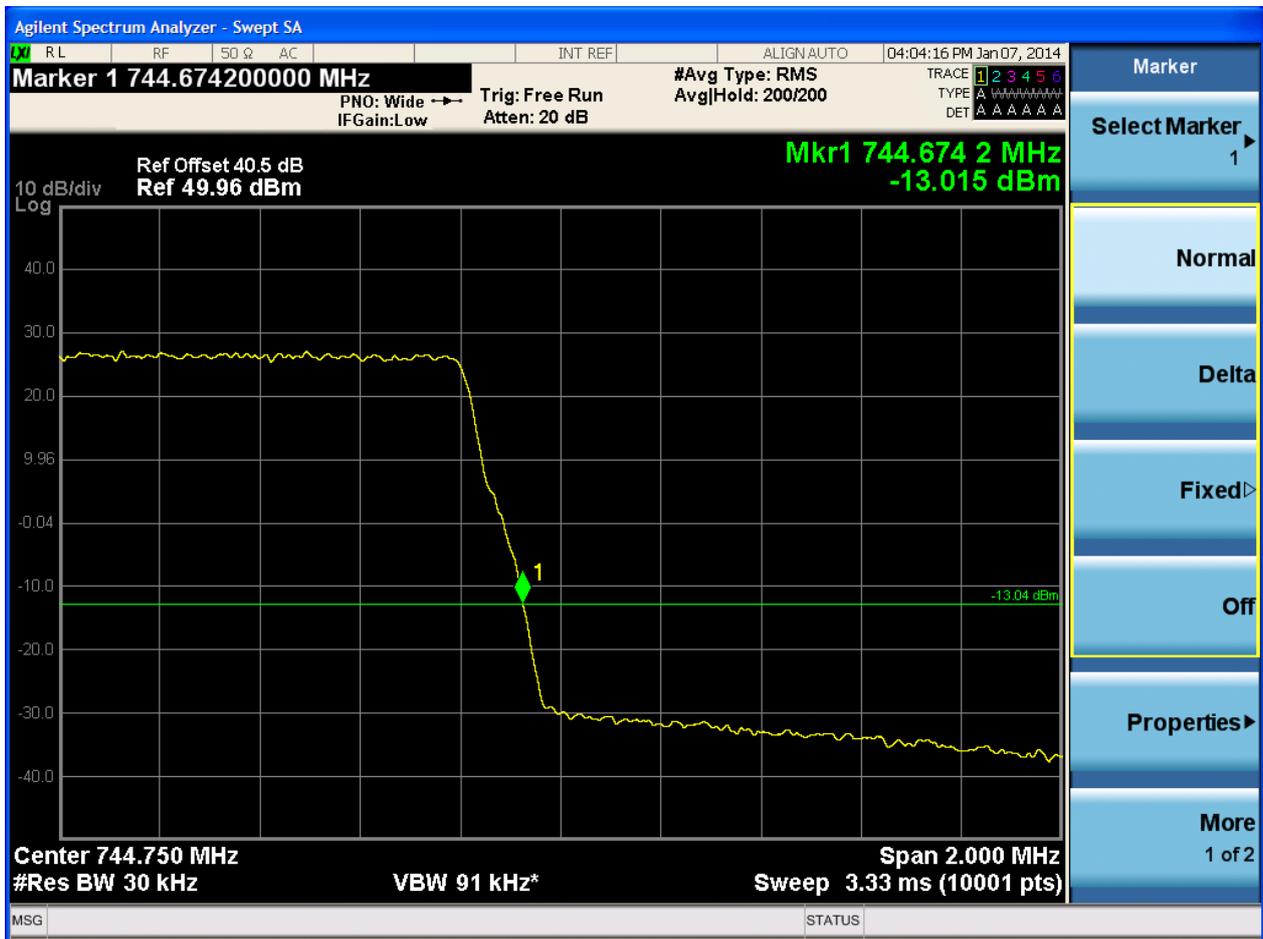
## 2.2 1L\_1.4M\_E-TM1.1\_T



### 2.3 1L\_3M\_E-TM1.1\_B

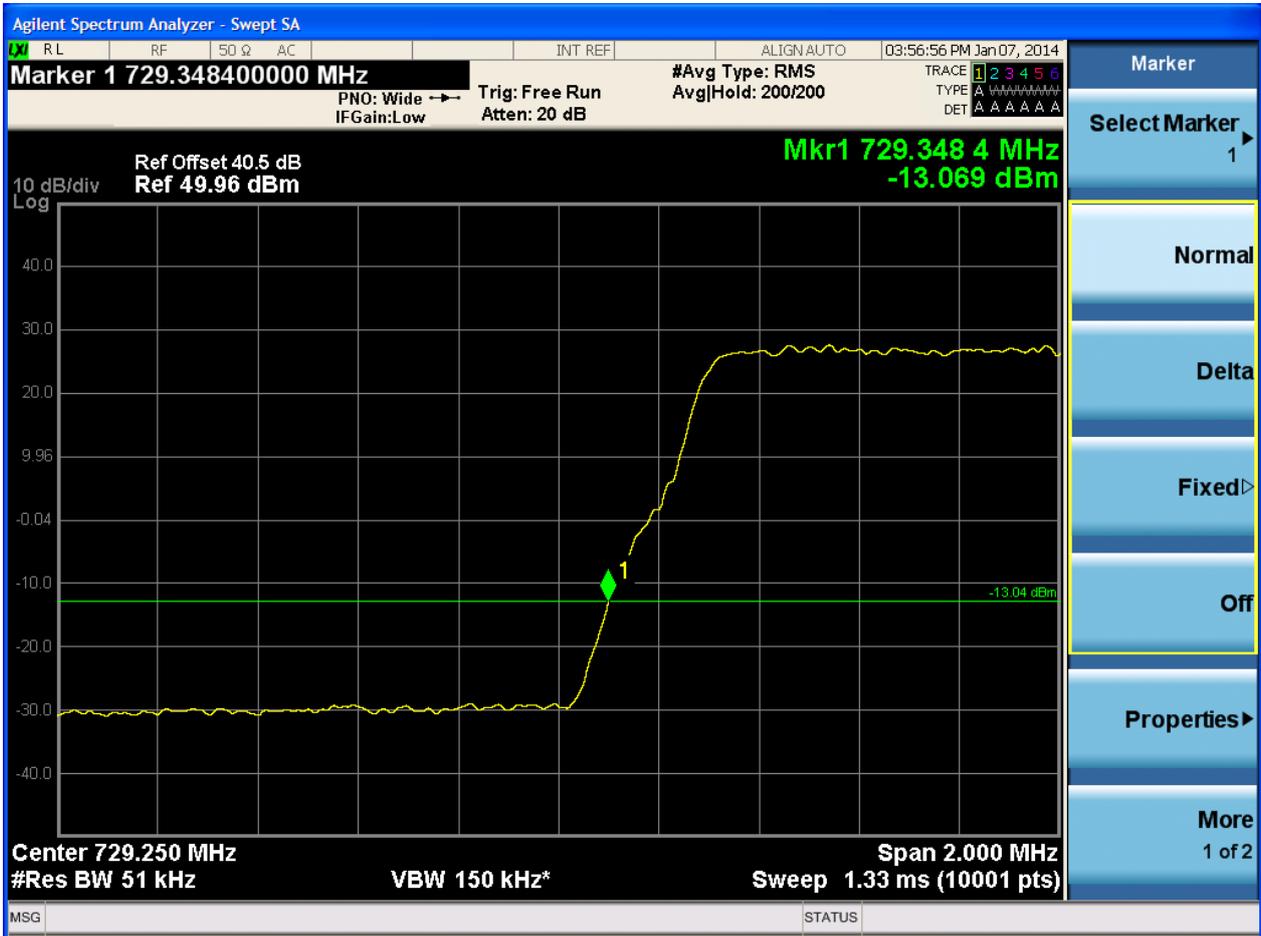


## 2.4 1L\_3M\_E-TM1.1\_T





## 2.5 1L\_5M\_E-TM1.1\_B



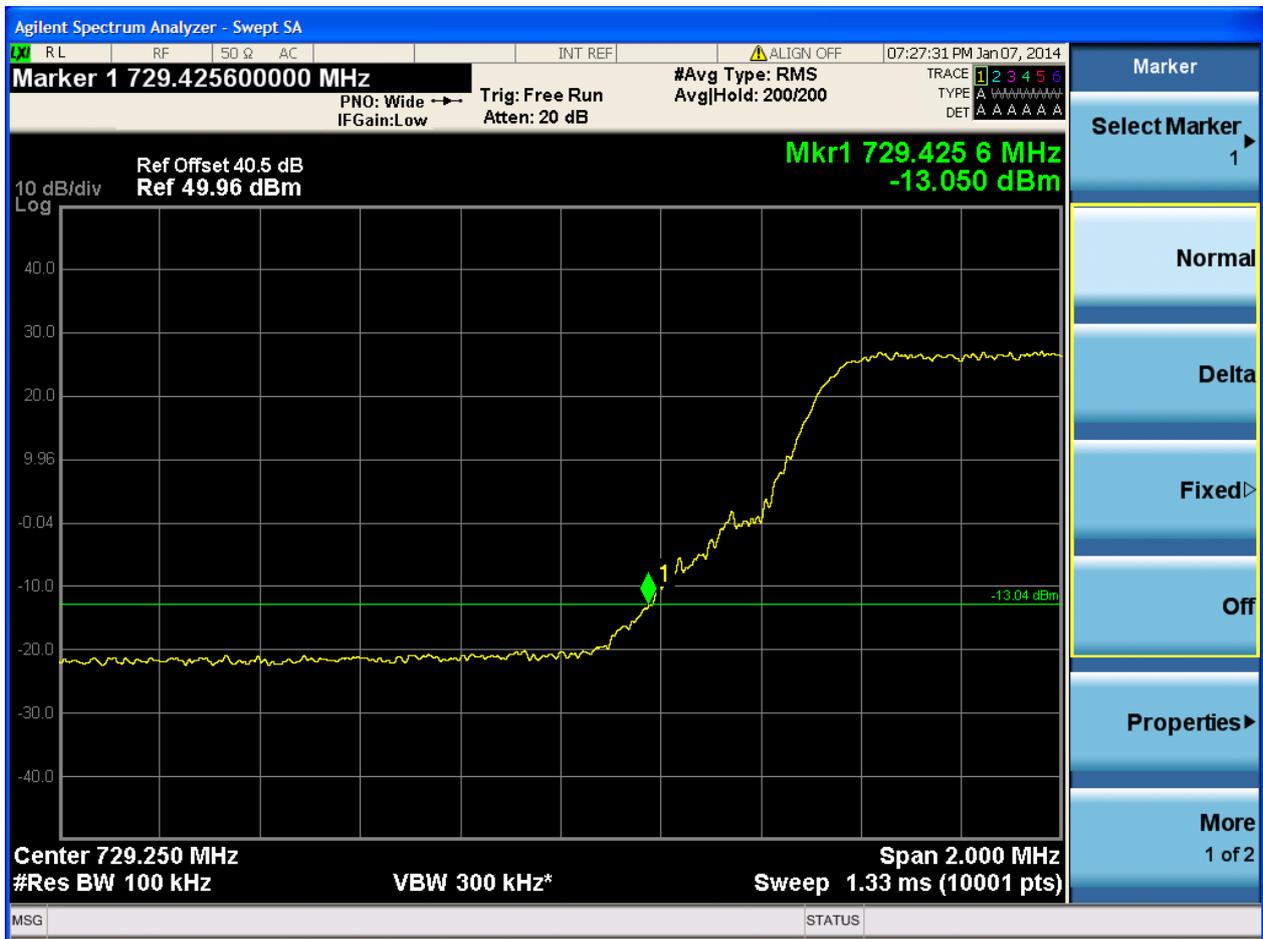


## 2.6 1L\_5M\_E-TM1.1\_T





## 2.7 1L\_10M\_E-TM1.1\_B





### 2.8 1L\_10M\_E-TM1.1\_T





### 2.9 1L\_15M\_E-TM1.1\_B





### 2.10 1L\_15M\_E-TM1.1\_T





# Appendix G: Receiver Spurious Emissions



Not applicable.



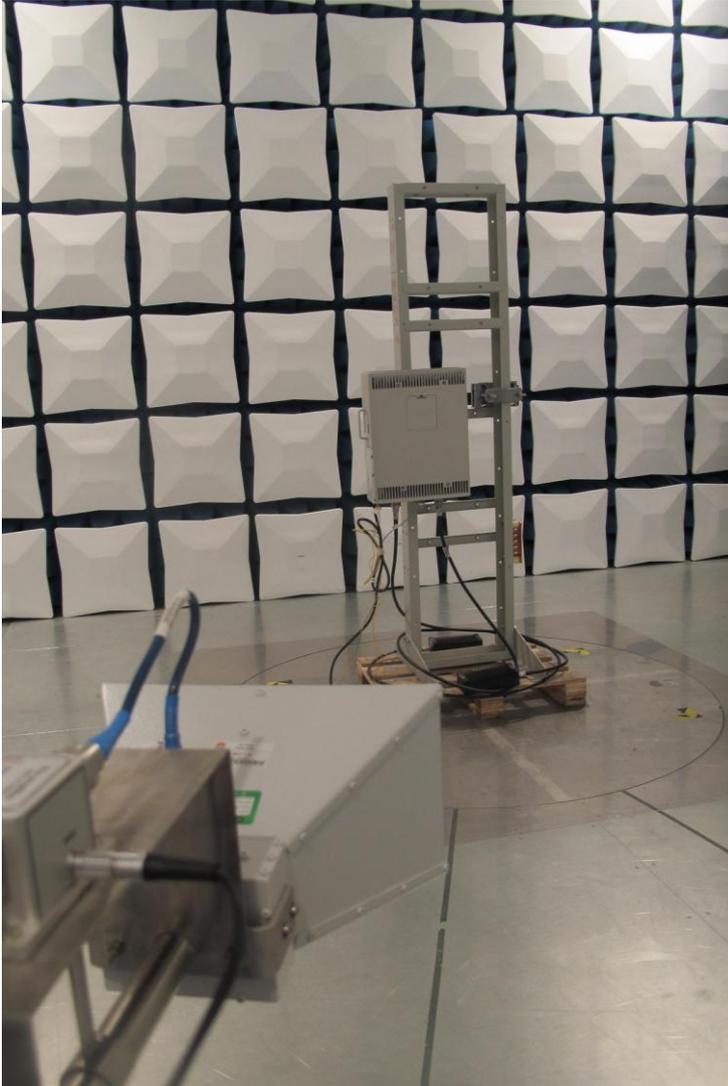
# Appendix H: Photos of Test Setups

## 1 Test Setup 3

### 1.1 Frequency range below 1 GHz



## 1.2 Frequency range above 1 GHz



END