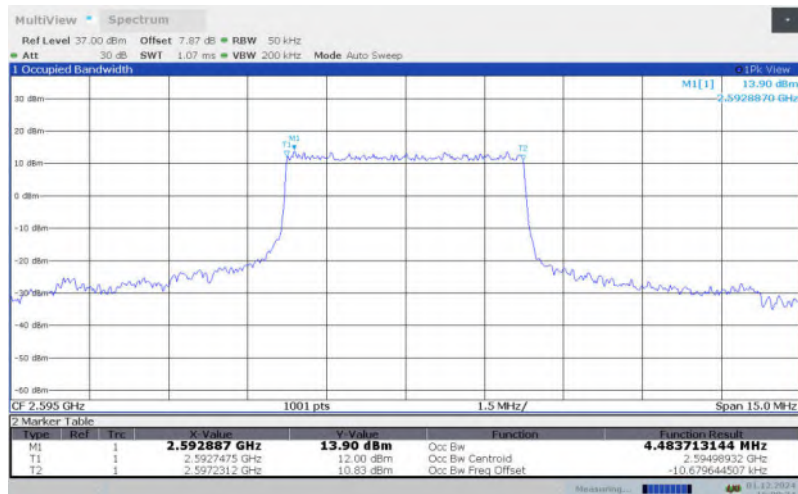
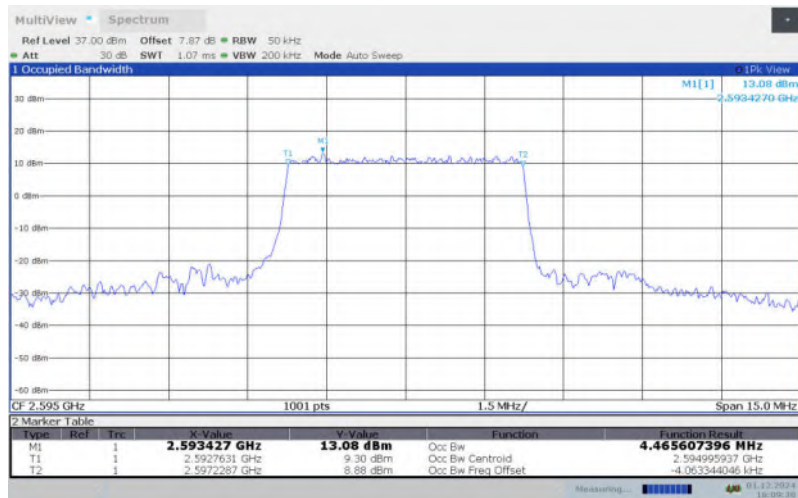


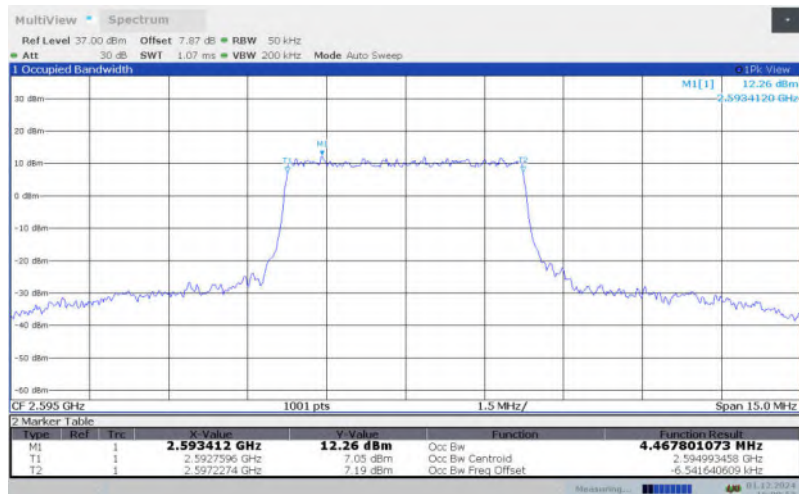
LTE Band 41 , 5MHz Bandwidth,MID,QPSK (99% BW)



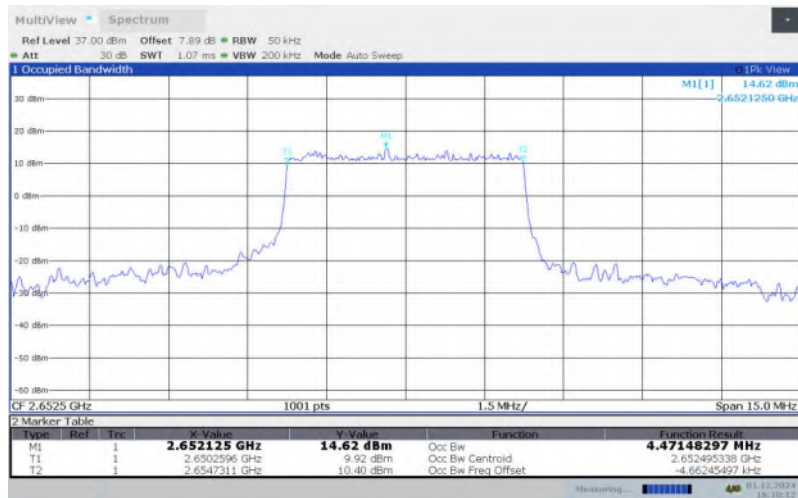
LTE Band 41 , 5MHz Bandwidth,MID,16QAM (99% BW)



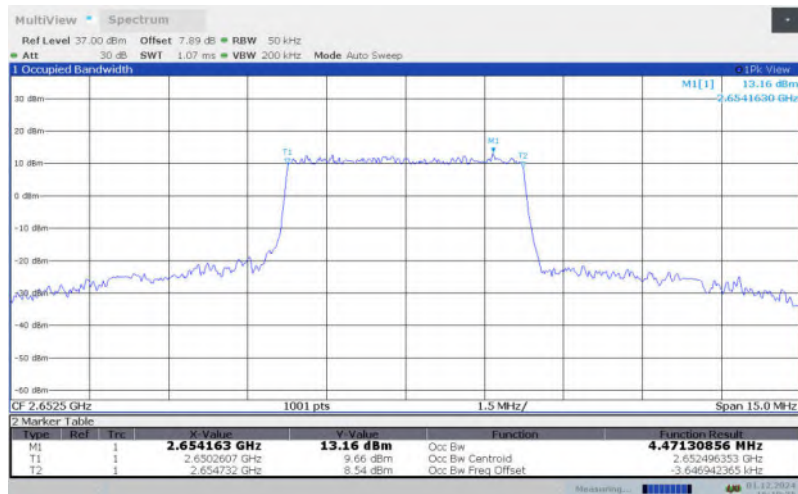
LTE Band 41 , 5MHz Bandwidth,MID,64QAM (99% BW)



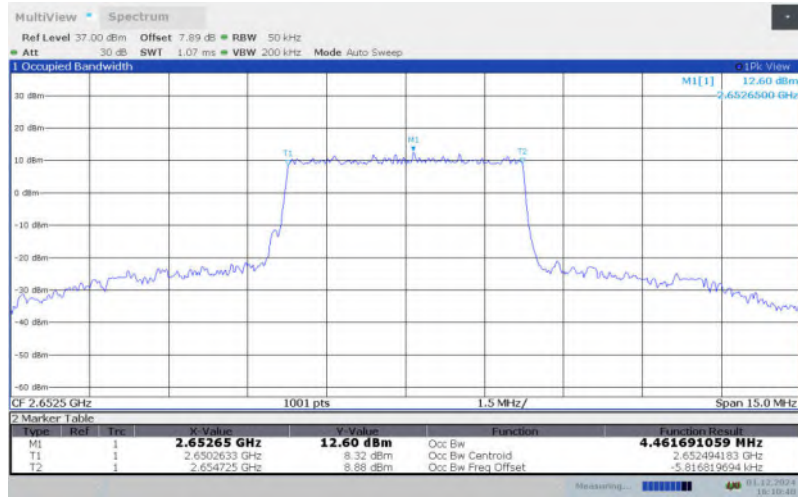
LTE Band 41 , 5MHz Bandwidth,HIGH,QPSK (99% BW)



**LTE Band 41 , 5MHz Bandwidth,HIGH,16QAM (99% BW)**

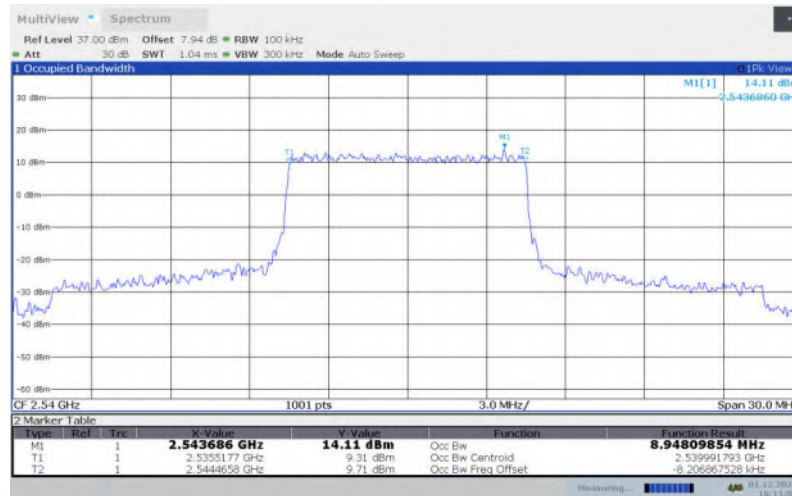
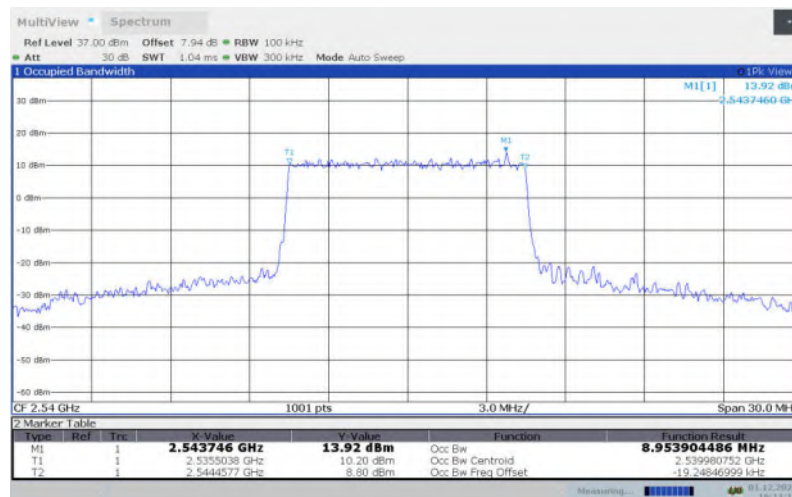


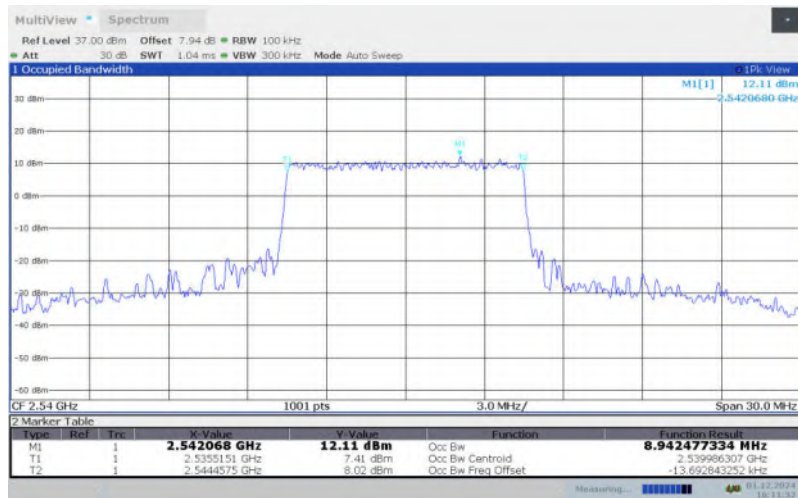
**LTE Band 41 , 5MHz Bandwidth,HIGH,64QAM (99% BW)**



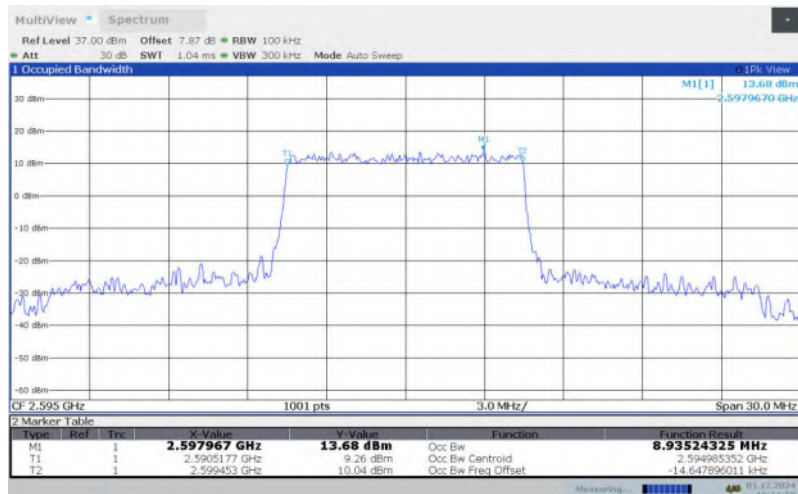
**LTE Band 41,10MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
2501	8.948	8.954	8.942
2593	8.935	8.935	8.952
2685	8.948	8.951	8.962

**LTE Band 41 , 10MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 41 , 10MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 41 , 10MHz Bandwidth,LOW,64QAM (99% BW)**

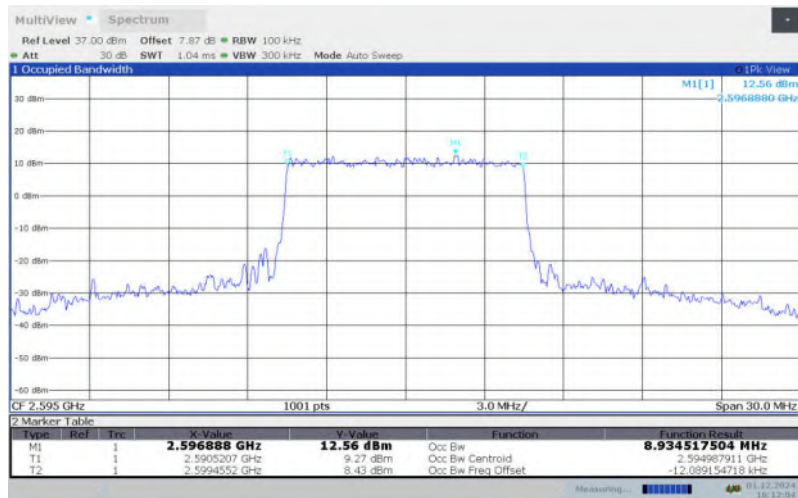


LTE Band 41 , 10MHz Bandwidth,MID,QPSK (99% BW)

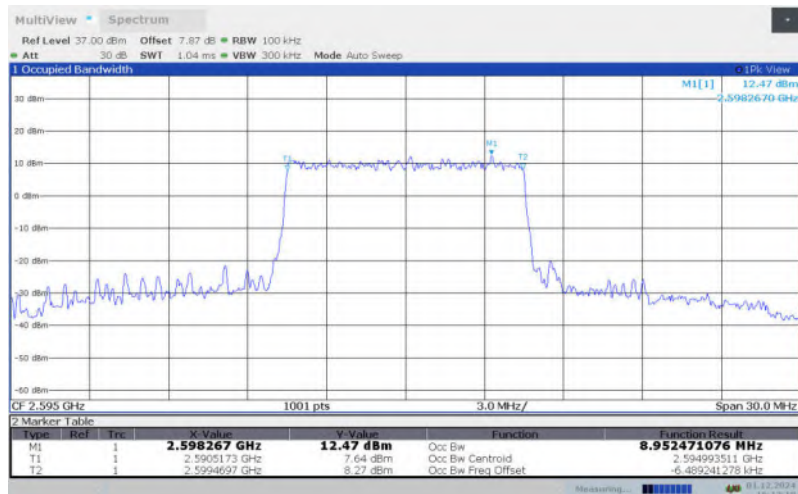


LTE Band 41 , 10MHz Bandwidth,MID,16QAM (99% BW)

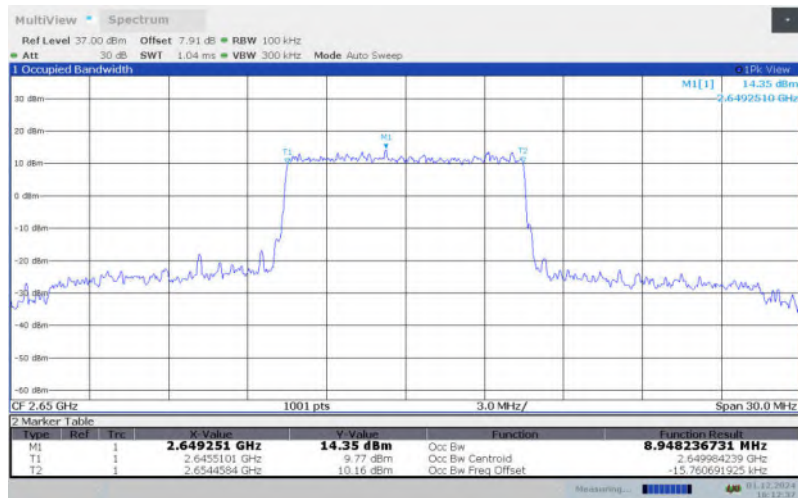




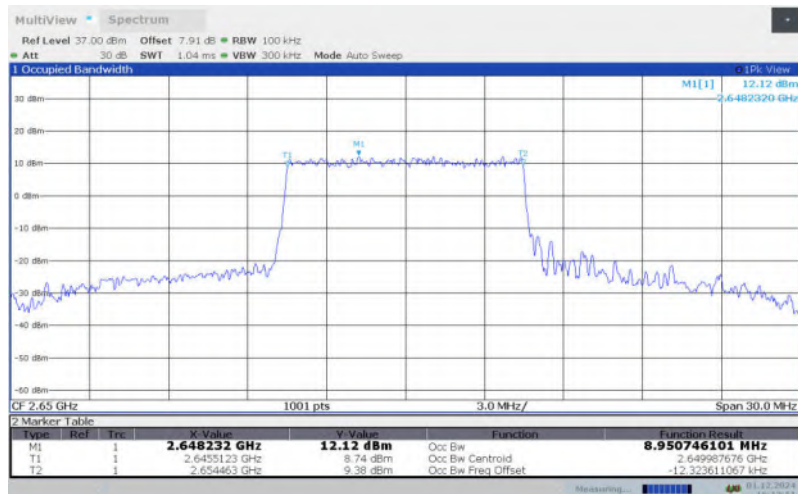
LTE Band 41 , 10MHz Bandwidth,MID,64QAM (99% BW)



LTE Band 41 , 10MHz Bandwidth,HIGH,QPSK (99% BW)

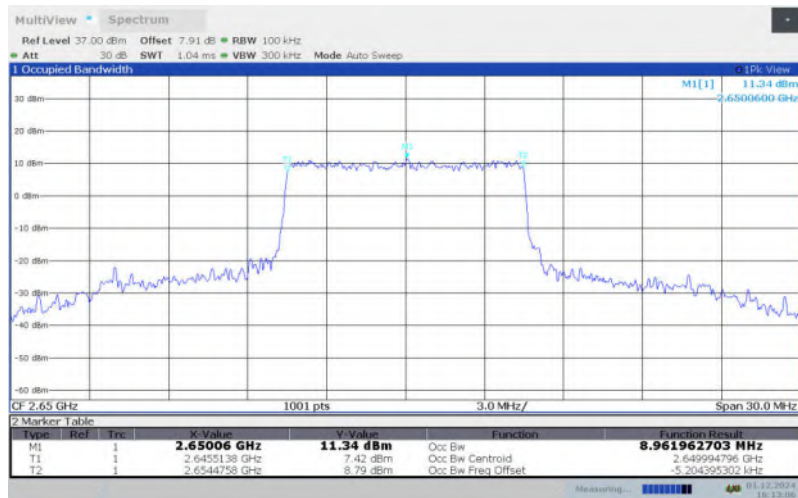


LTE Band 41 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



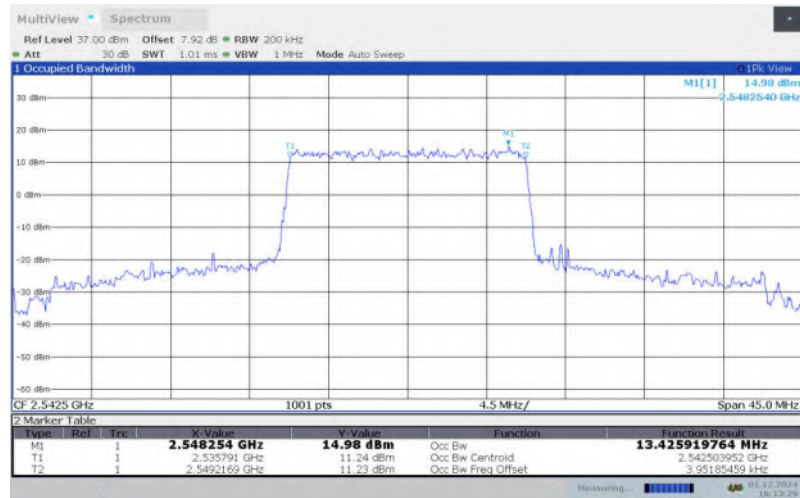
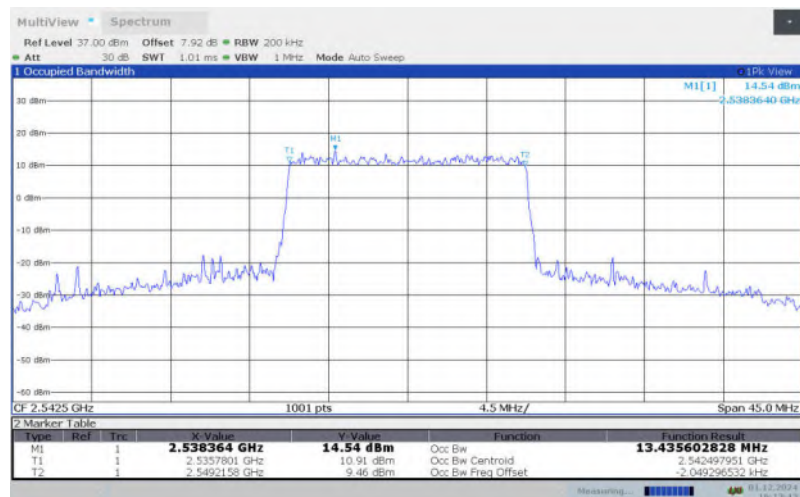
LTE Band 41 , 10MHz Bandwidth,HIGH,64QAM (99% BW)

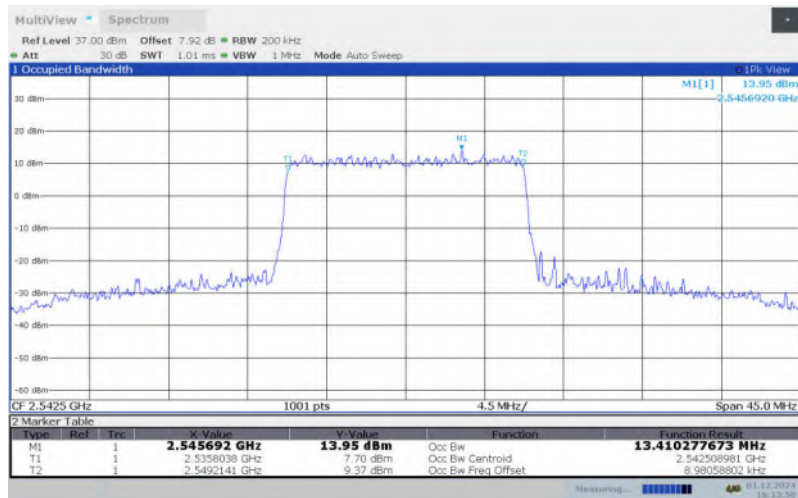




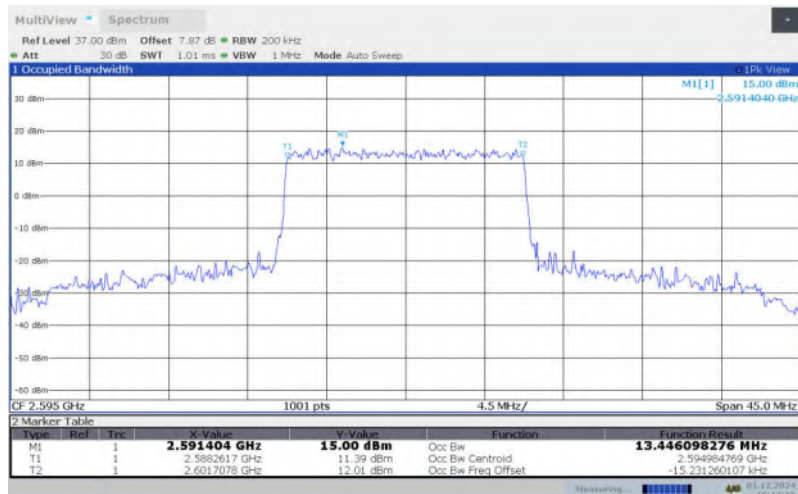
**LTE Band 41,15MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
2503.5	13.426	13.436	13.410
2593	13.446	13.455	13.421
2682.5	13.413	13.438	13.458

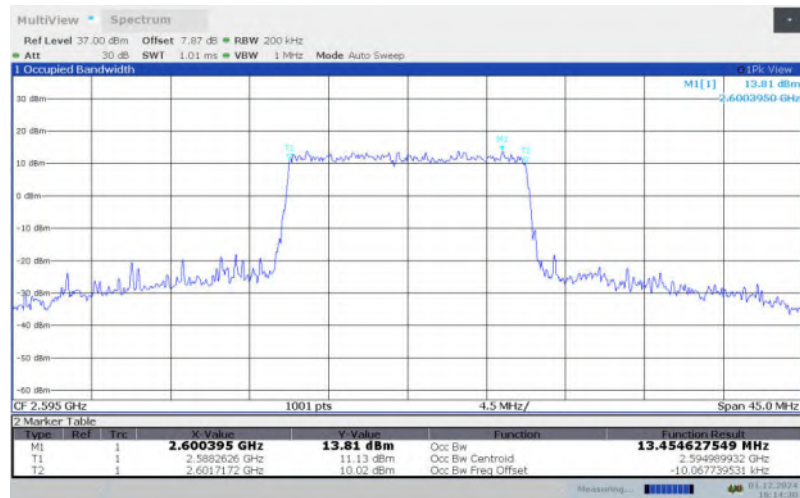
**LTE Band 41 , 15MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 41 , 15MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 41 , 15MHz Bandwidth,LOW,64QAM (99% BW)**



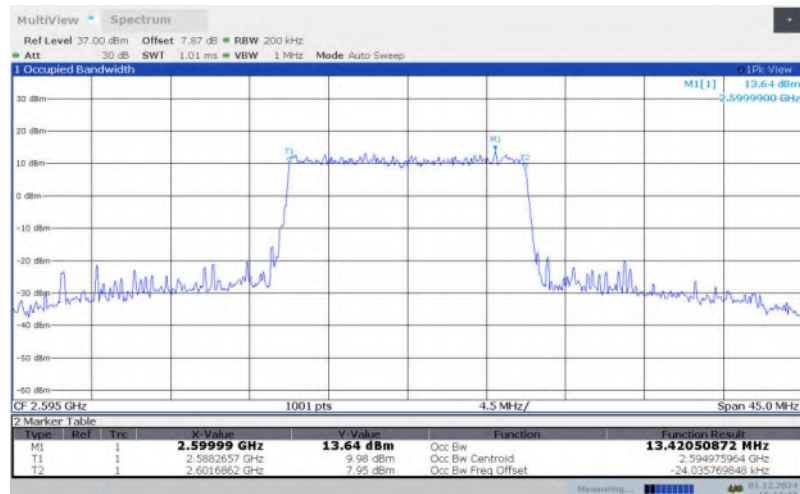
LTE Band 41 , 15MHz Bandwidth,MID,QPSK (99% BW)



LTE Band 41 , 15MHz Bandwidth,MID,16QAM (99% BW)



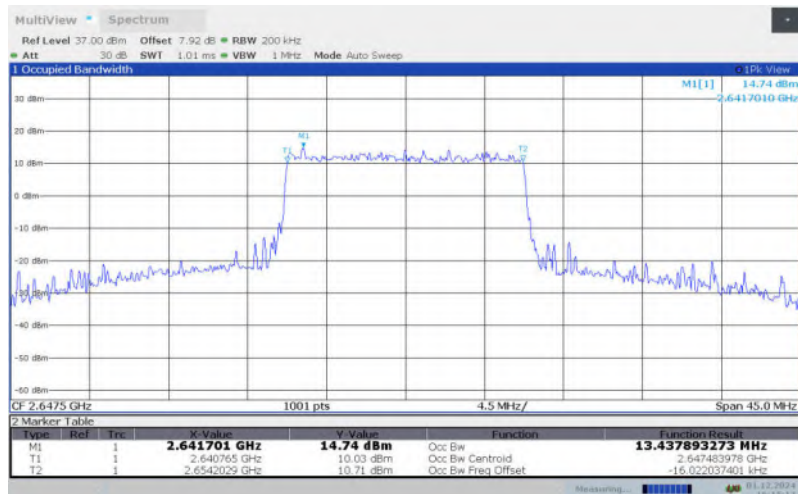
LTE Band 41 , 15MHz Bandwidth,MID,64QAM (99% BW)



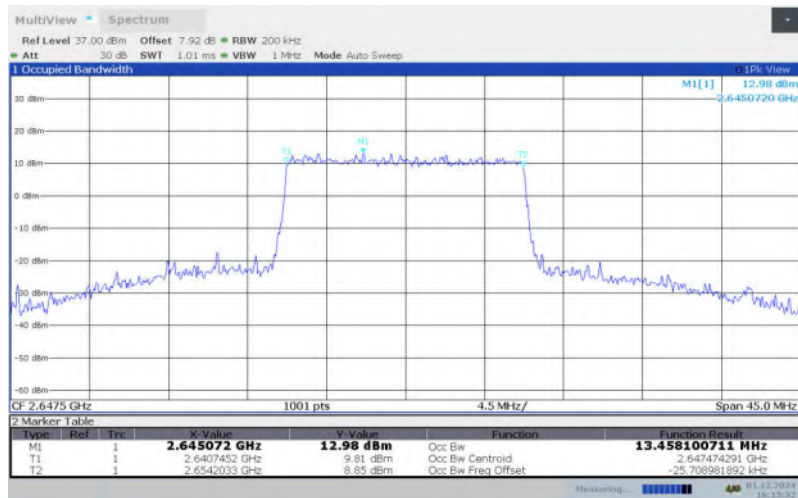
LTE Band 41 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 41 , 15MHz Bandwidth,HIGH,16QAM (99% BW)



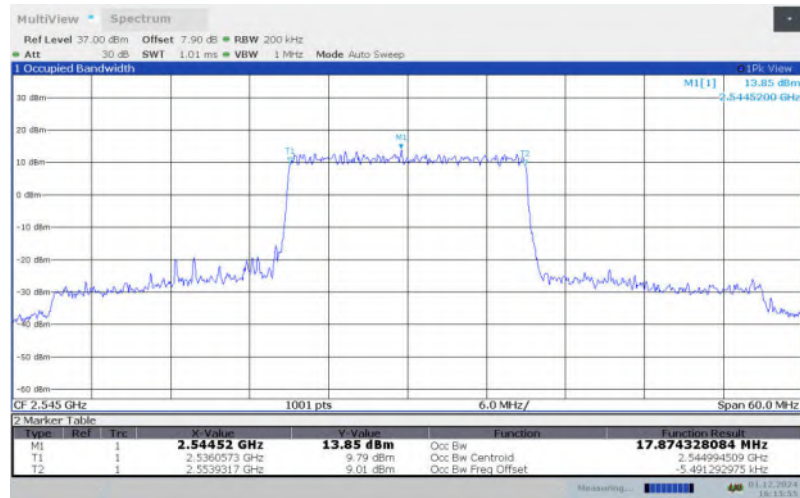
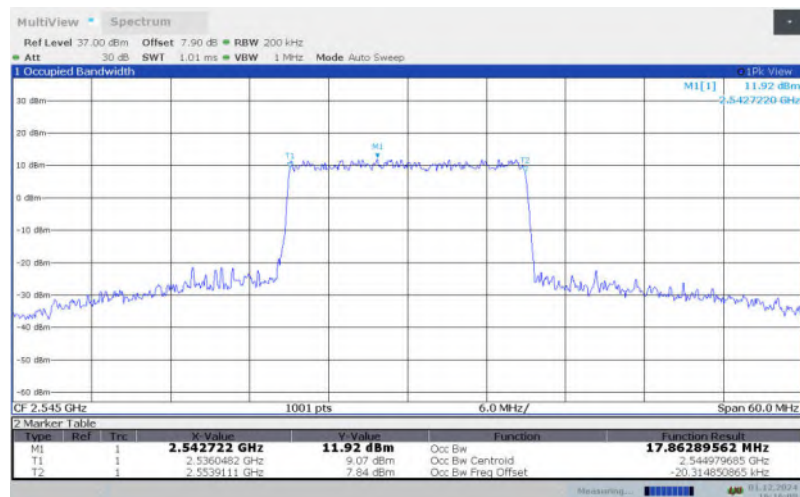
LTE Band 41 , 15MHz Bandwidth,HIGH,64QAM (99% BW)

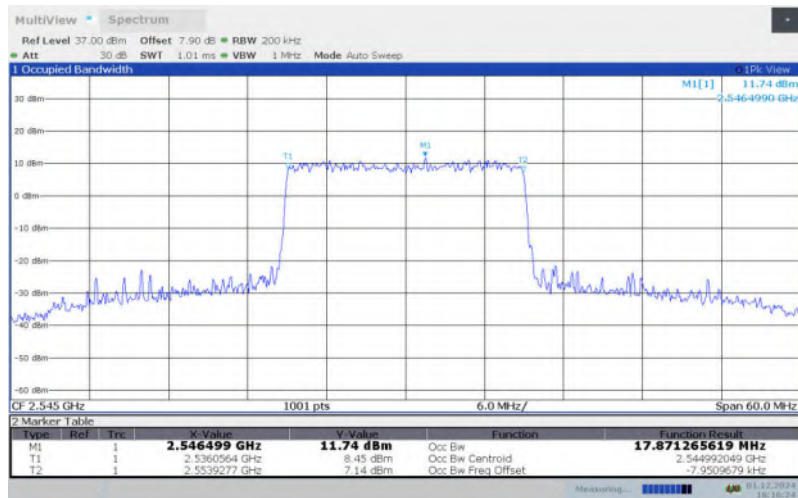




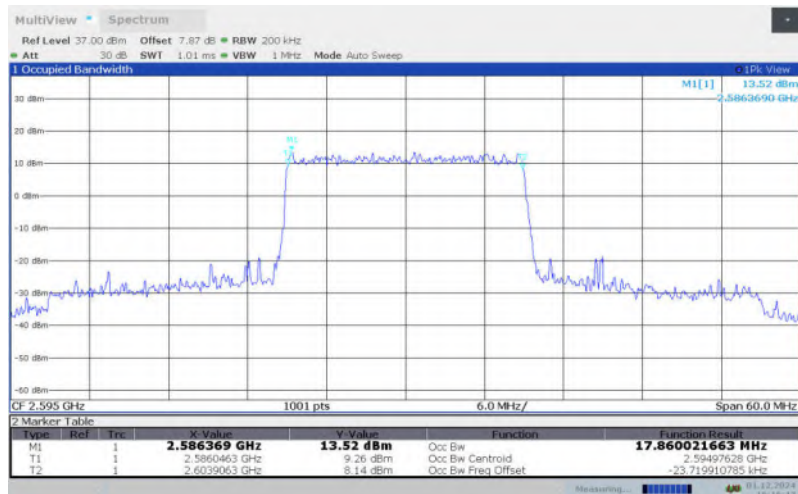
**LTE Band 41,20MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
2506	17.874	17.863	17.871
2593	17.860	17.872	17.881
2680	17.908	17.878	17.907

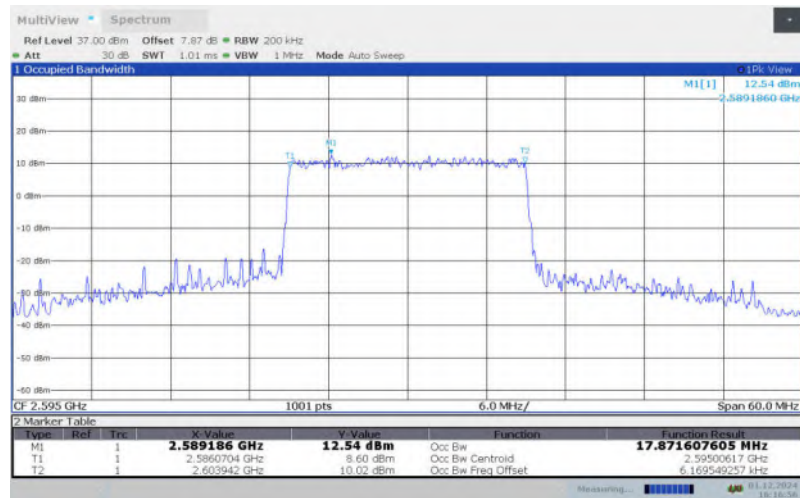
**LTE Band 41 , 20MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 41 , 20MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 41 , 20MHz Bandwidth,LOW,64QAM (99% BW)**



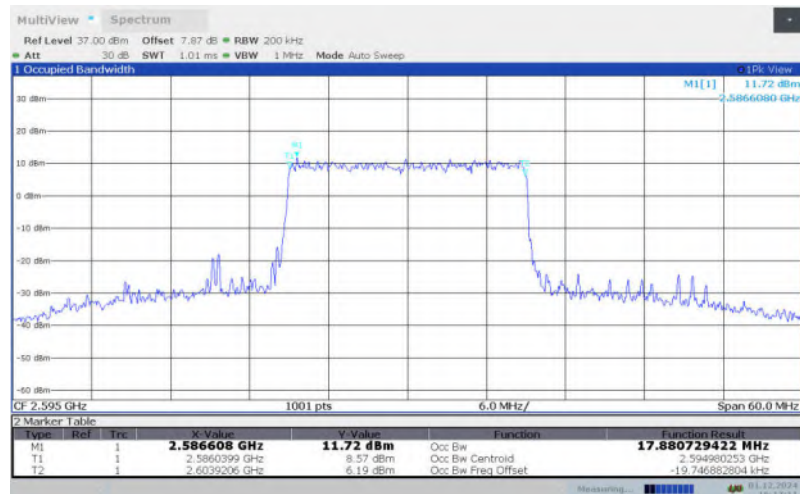
LTE Band 41 , 20MHz Bandwidth,MID,QPSK (99% BW)



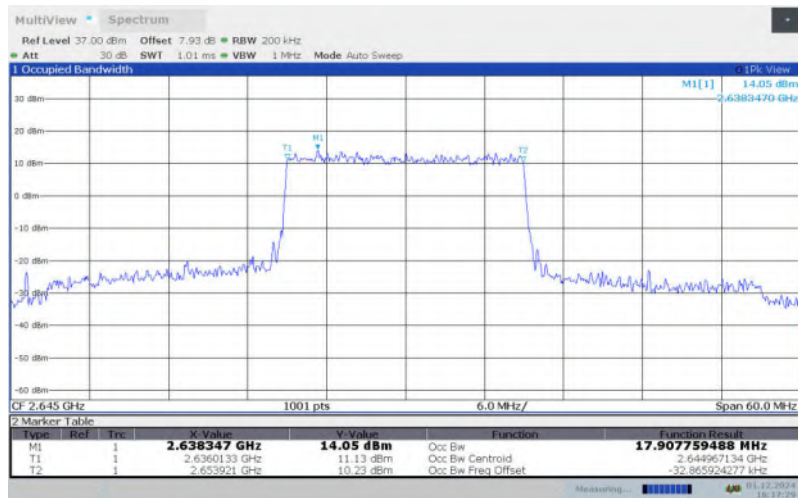
LTE Band 41 , 20MHz Bandwidth,MID,16QAM (99% BW)



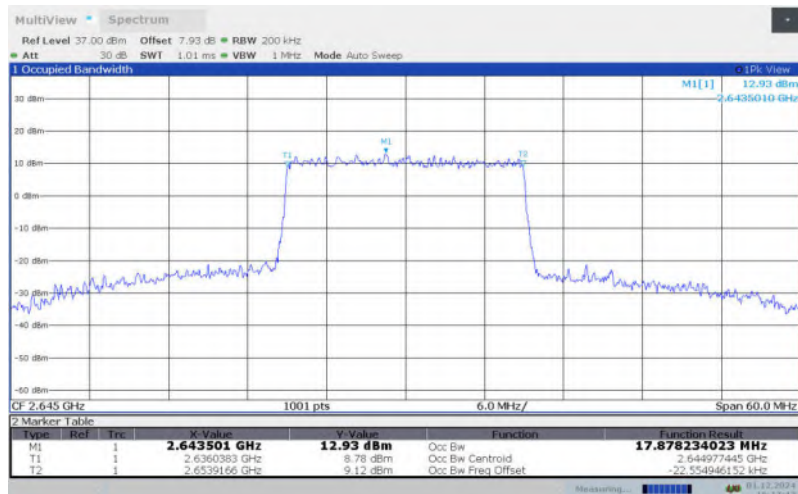
LTE Band 41 , 20MHz Bandwidth,MID,64QAM (99% BW)



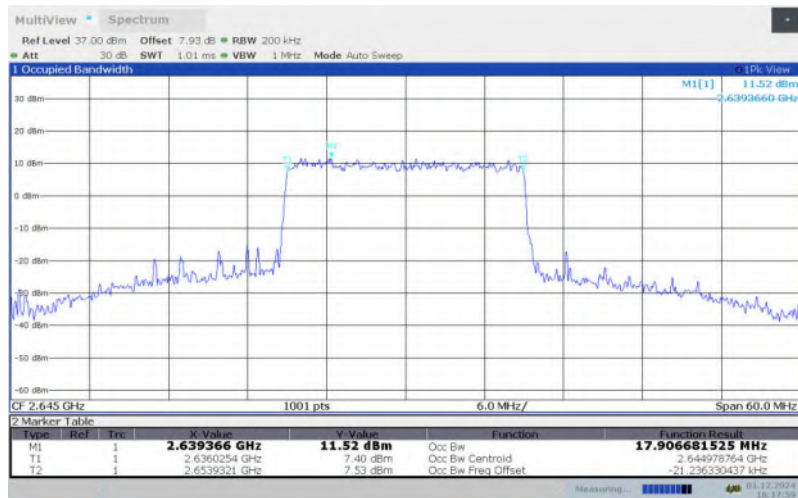
LTE Band 41 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 41 , 20MHz Bandwidth,HIGH,16QAM (99% BW)

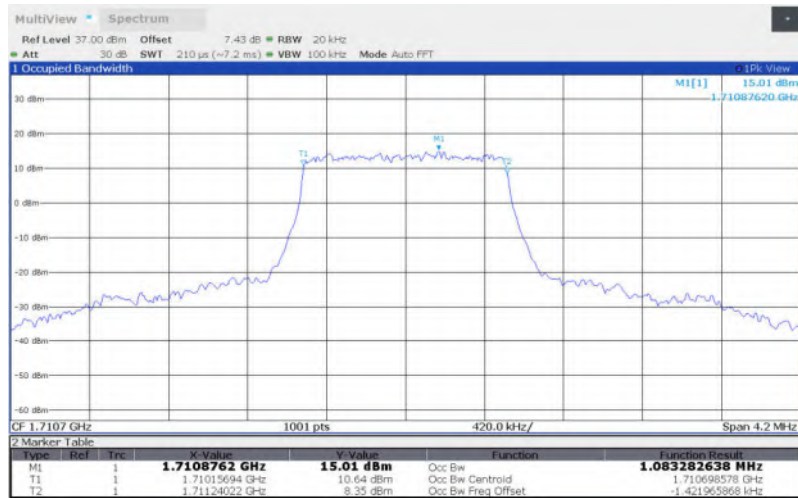
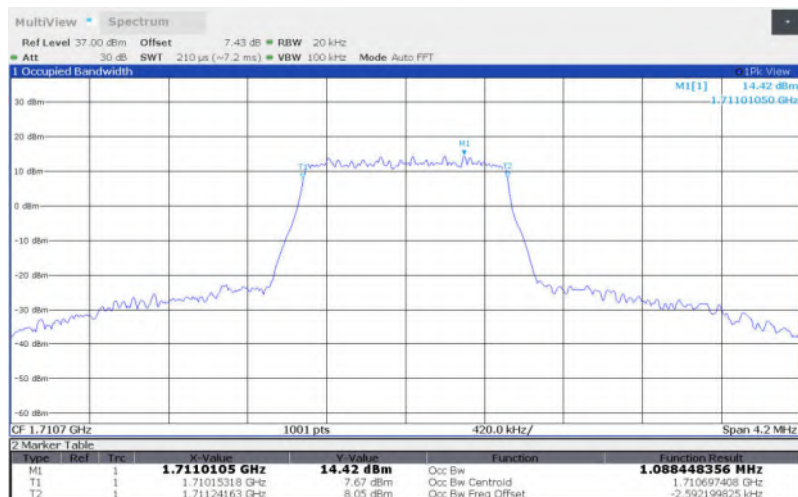


LTE Band 41 , 20MHz Bandwidth,HIGH,64QAM (99% BW)

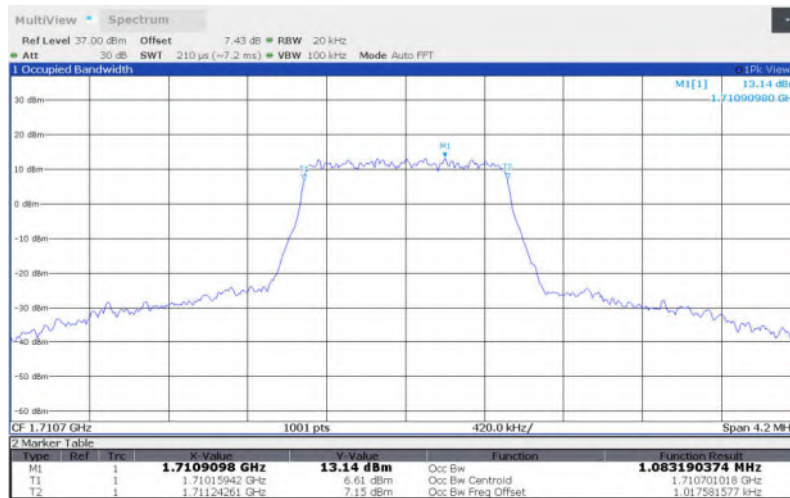


**LTE Band 66,1.4MHz(99% BW)**

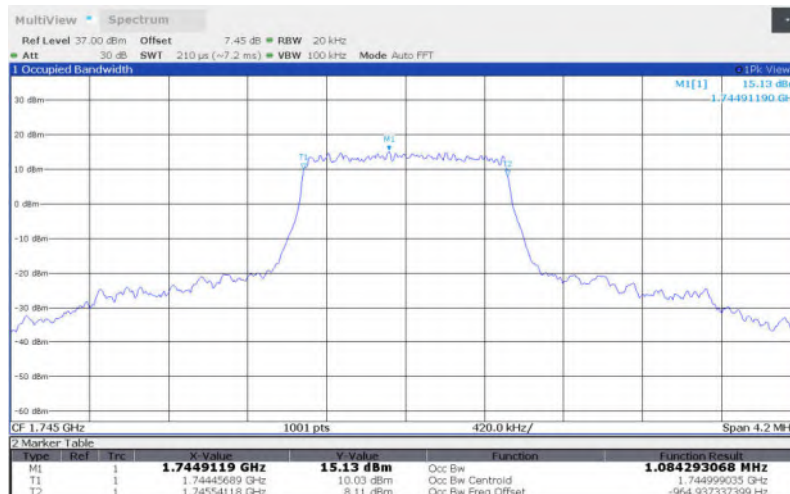
Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1710.7	1.083	1.088	1.083
1745	1.084	1.081	1.088
1779.3	1.091	1.085	1.083

**LTE Band 66 , 1.4MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 1.4MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 1.4MHz Bandwidth,LOW,64QAM (99% BW)**

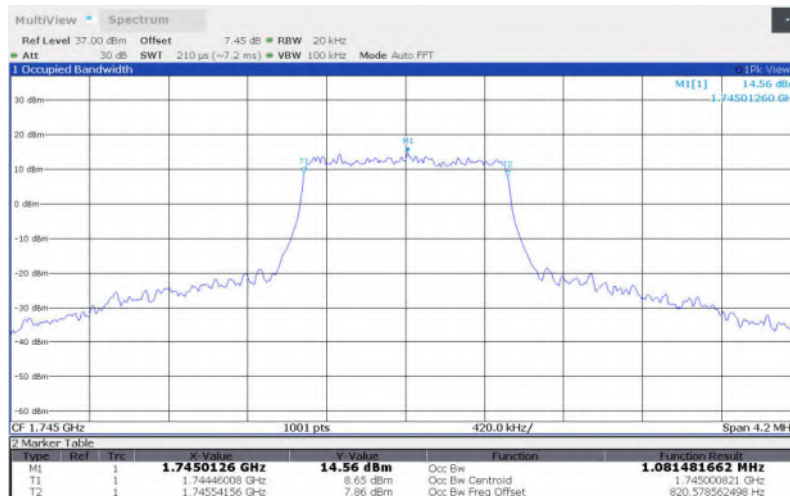




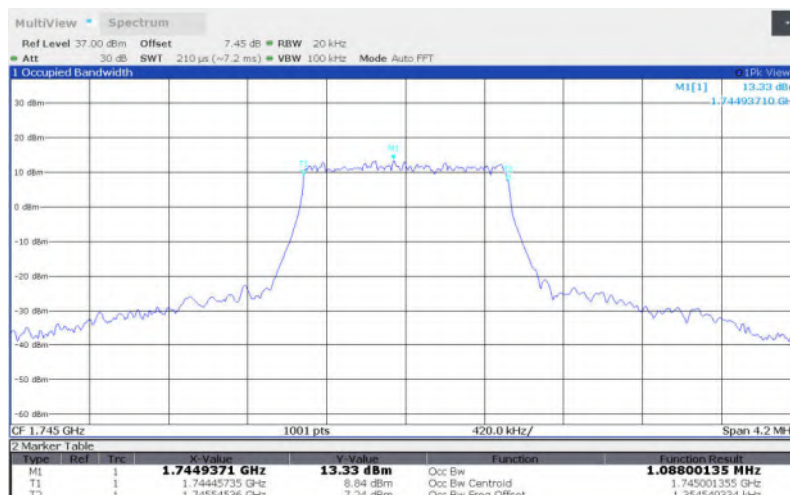
LTE Band 66 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



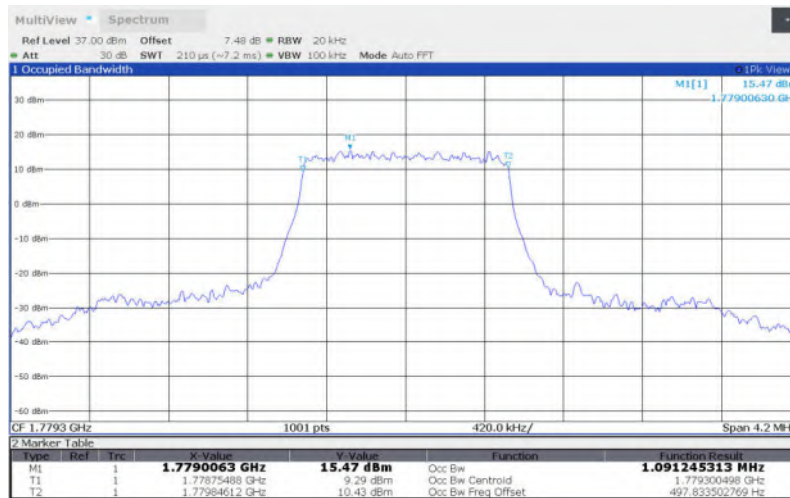
LTE Band 66 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



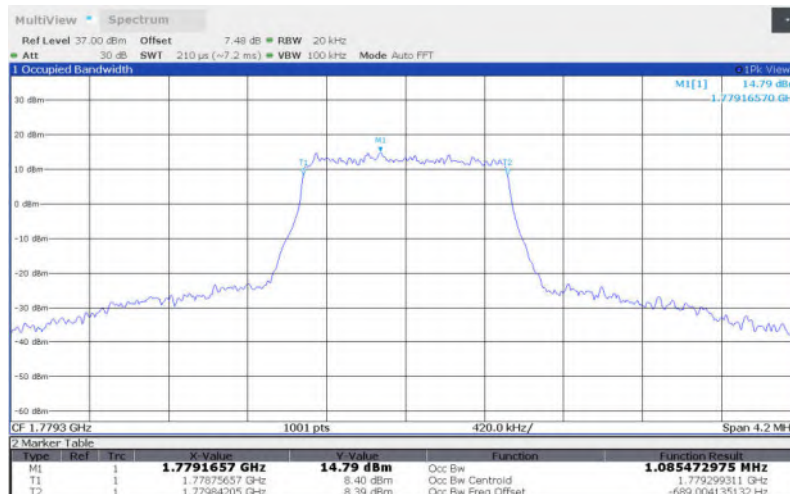
LTE Band 66 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



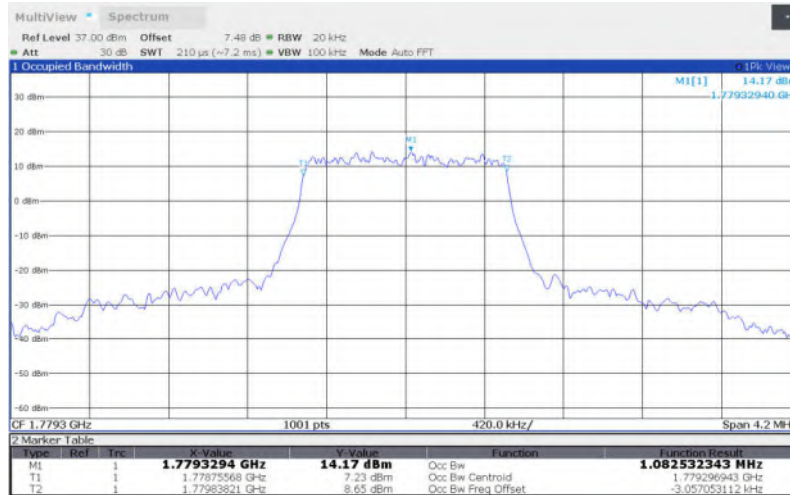
LTE Band 66 , 1.4MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 66 , 1.4MHz Bandwidth,HIGH,16QAM (99% BW)

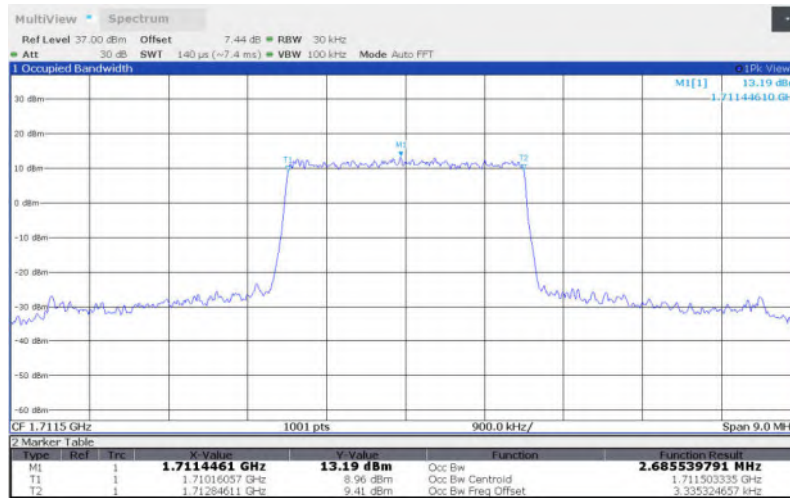
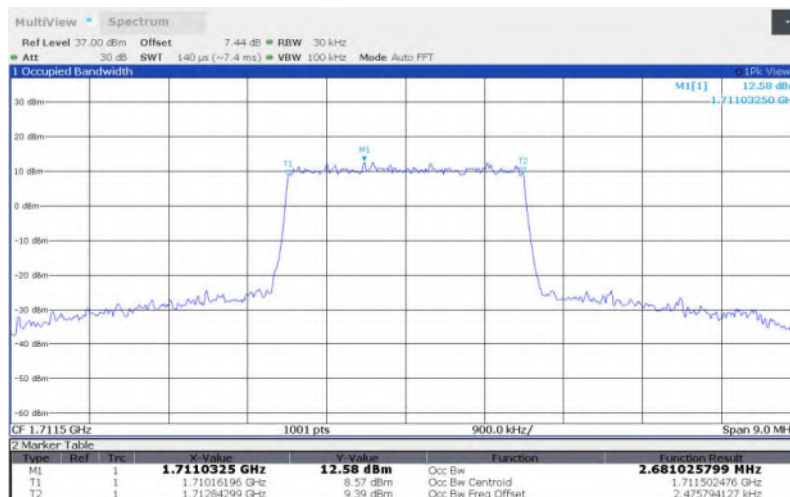


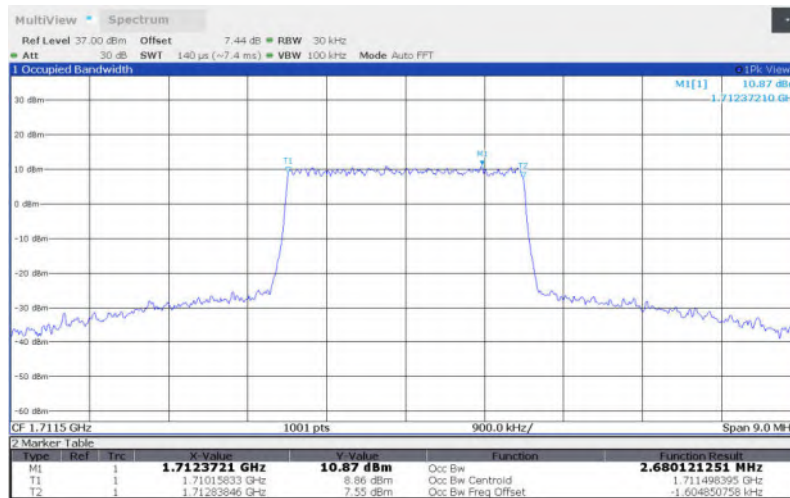
LTE Band 66 , 1.4MHz Bandwidth,HIGH,64QAM (99% BW)



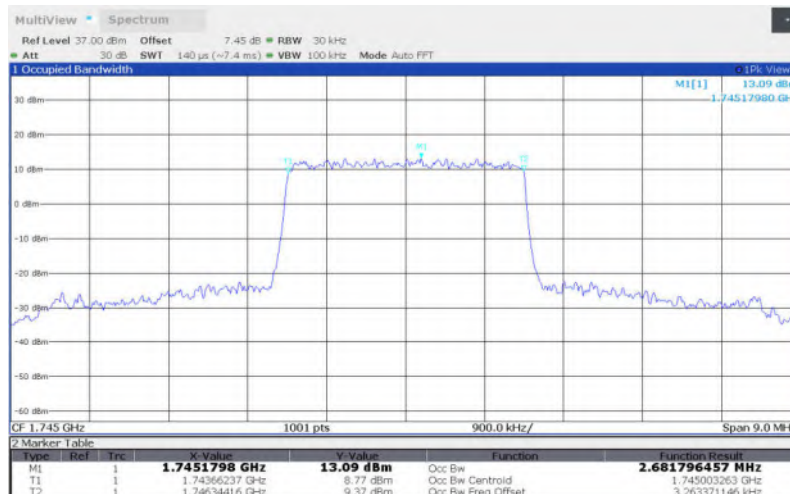
**LTE Band 66,3MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1711.5	2.686	2.681	2.680
1745	2.682	2.680	2.676
1778.5	2.677	2.677	2.681

**LTE Band 66 , 3MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 3MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 3MHz Bandwidth,LOW,64QAM (99% BW)**

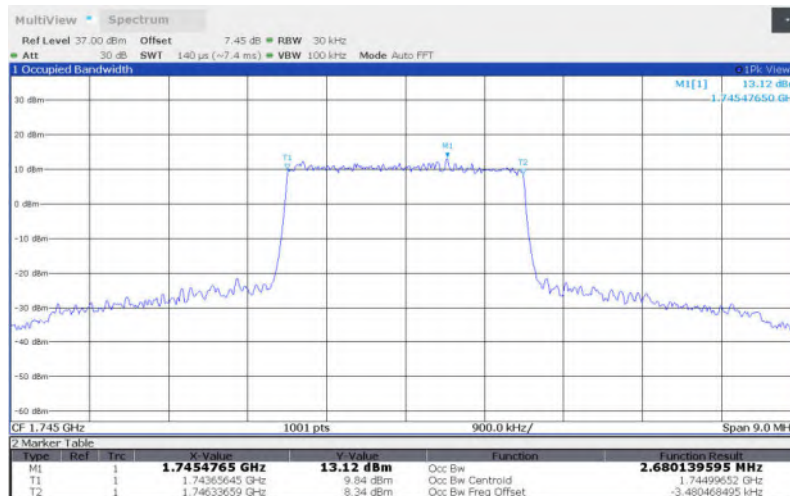


LTE Band 66 , 3MHz Bandwidth,MID,QPSK (99% BW)

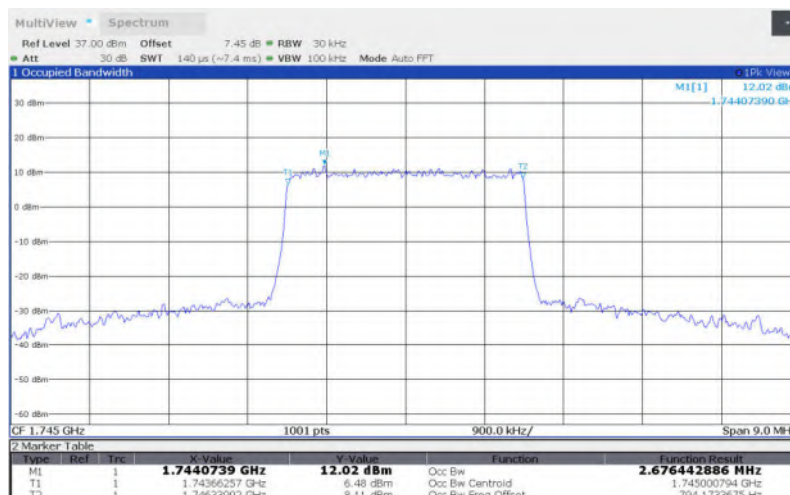


LTE Band 66 , 3MHz Bandwidth,MID,16QAM (99% BW)

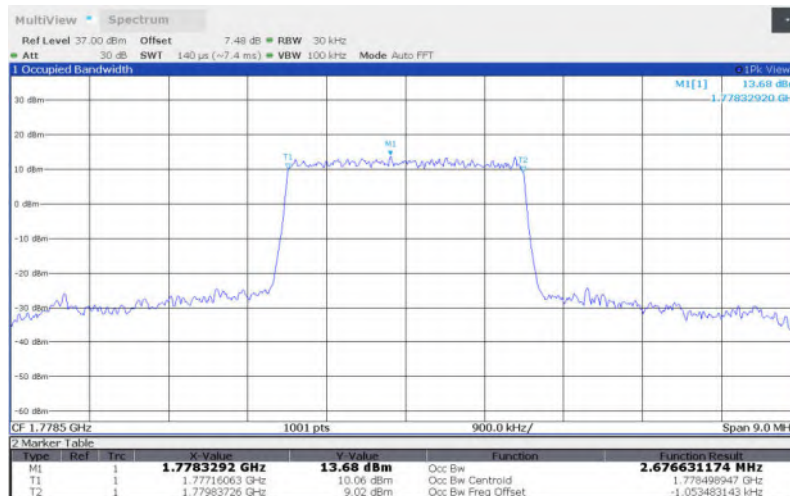




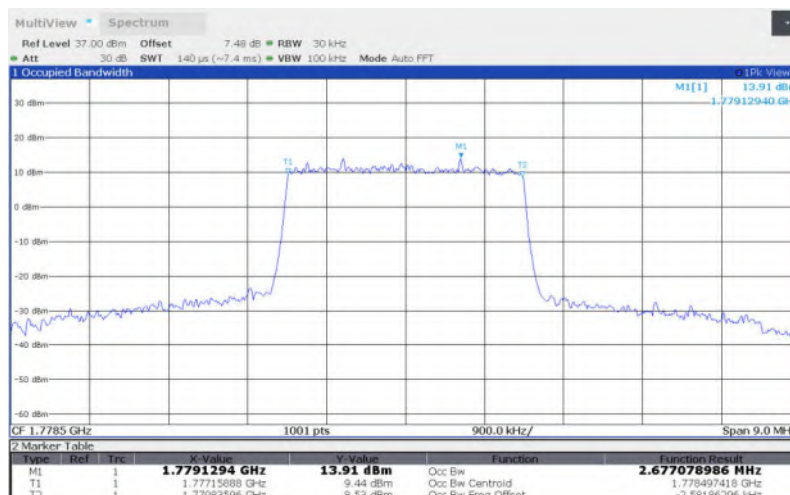
**LTE Band 66 , 3MHz Bandwidth,MID,64QAM (99% BW)**



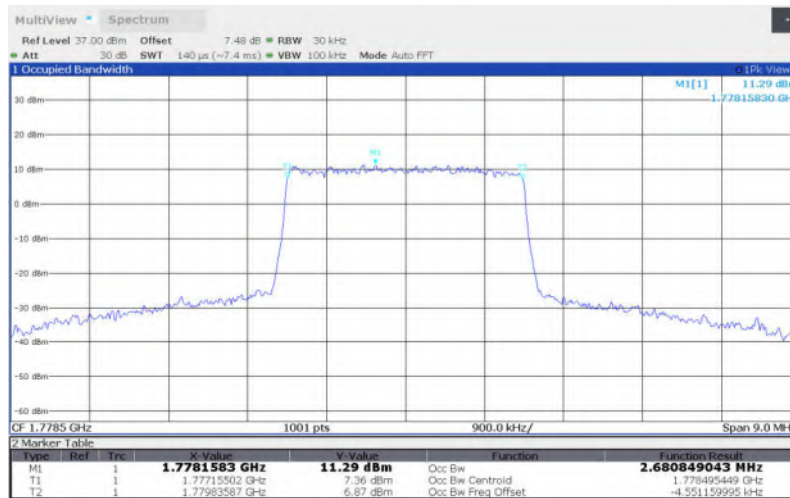
**LTE Band 66 , 3MHz Bandwidth,HIGH,QPSK (99% BW)**



LTE Band 66 , 3MHz Bandwidth,HIGH,16QAM (99% BW)

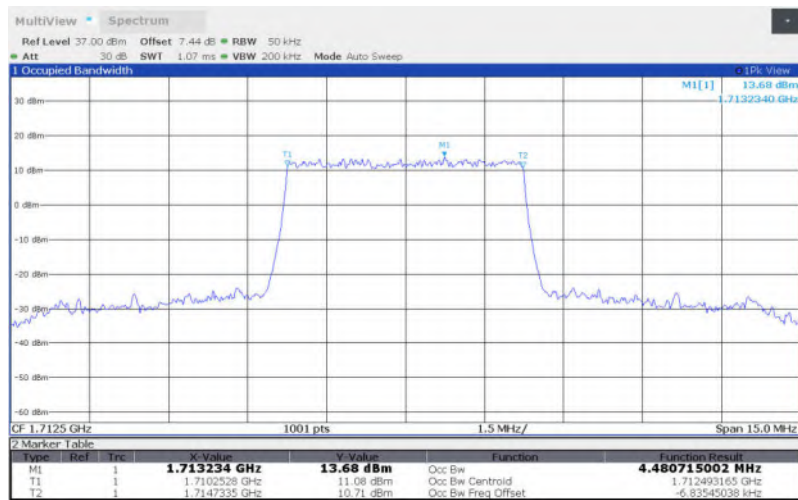
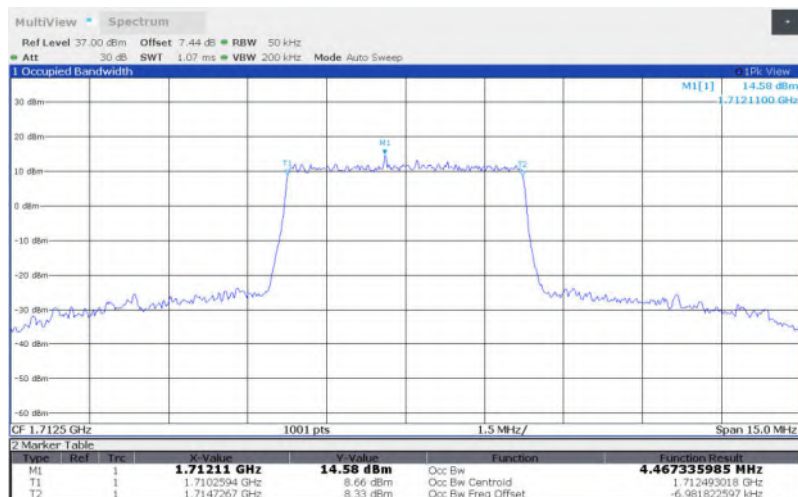


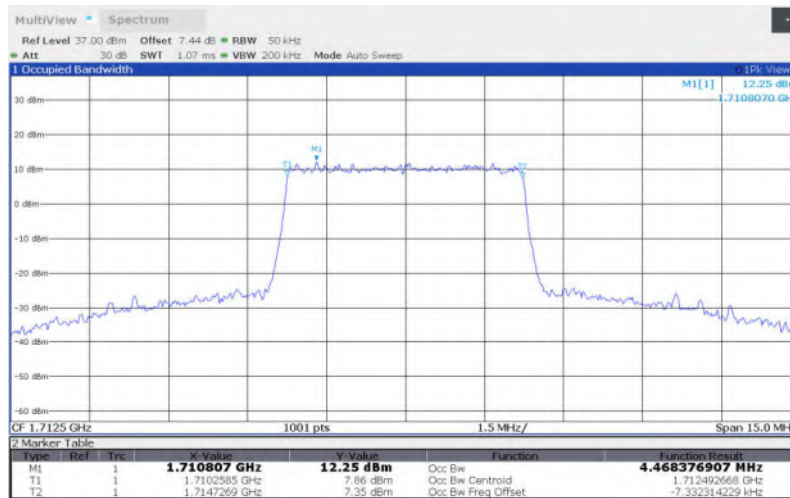
LTE Band 66 , 3MHz Bandwidth,HIGH,64QAM (99% BW)



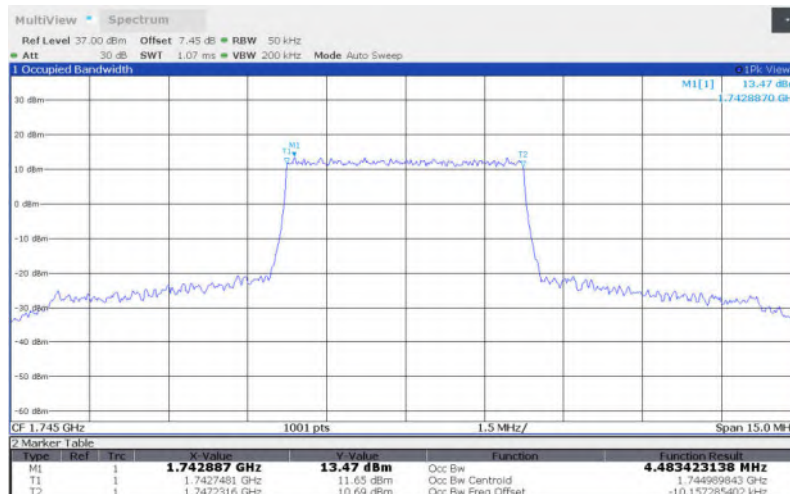
**LTE Band 66,5MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1712.5	4.481	4.467	4.468
1745	4.483	4.480	4.478
1777.5	4.465	4.468	4.467

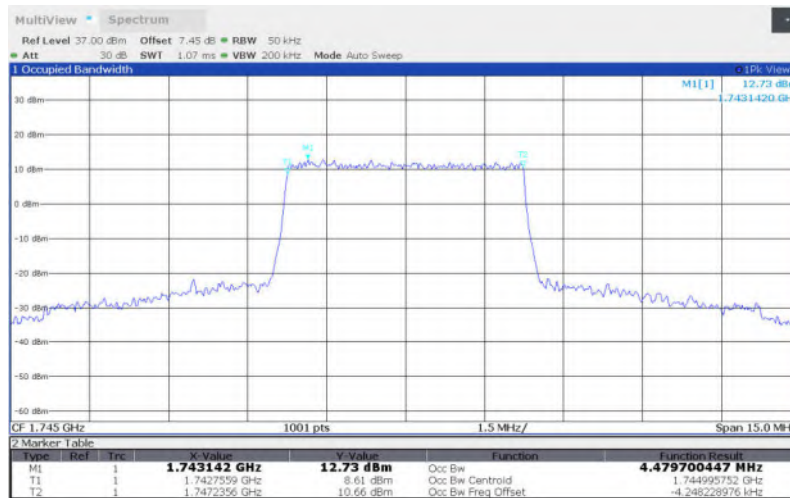
**LTE Band 66 , 5MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 5MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 5MHz Bandwidth,LOW,64QAM (99% BW)**



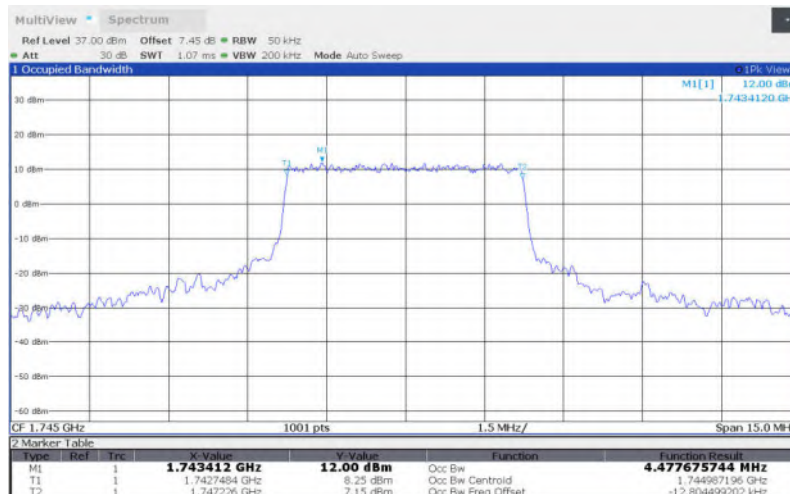
LTE Band 66 , 5MHz Bandwidth,MID,QPSK (99% BW)



LTE Band 66 , 5MHz Bandwidth,MID,16QAM (99% BW)

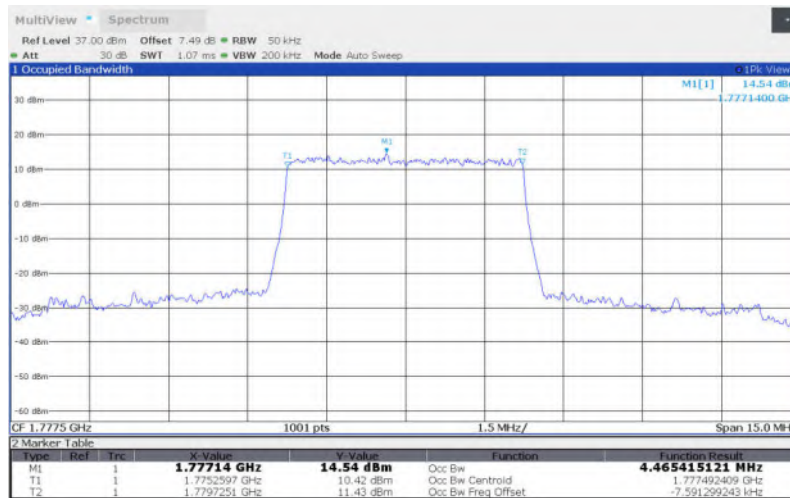


LTE Band 66 , 5MHz Bandwidth,MID,64QAM (99% BW)

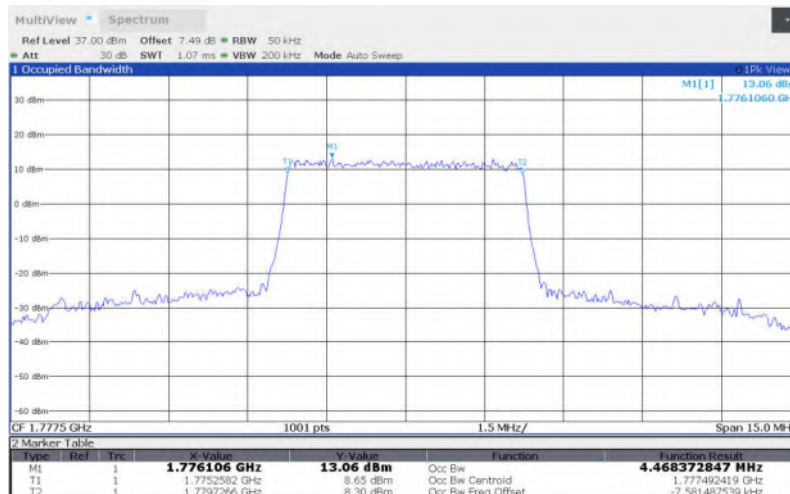


LTE Band 66 , 5MHz Bandwidth,HIGH,QPSK (99% BW)

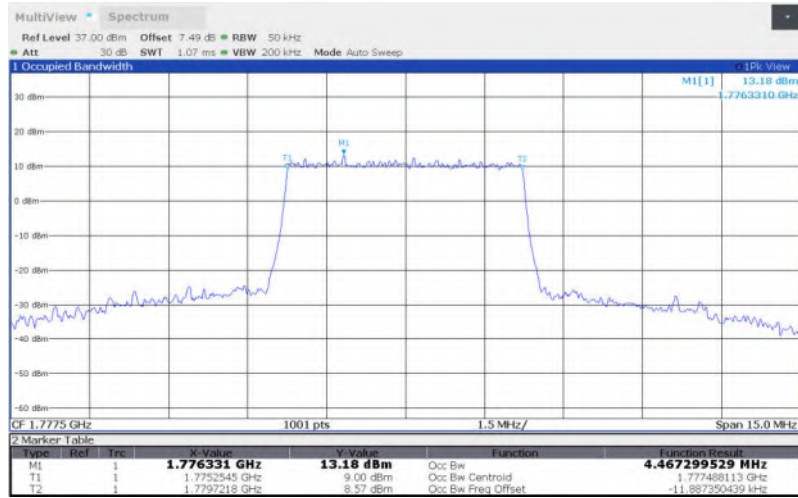




LTE Band 66 , 5MHz Bandwidth,HIGH,16QAM (99% BW)

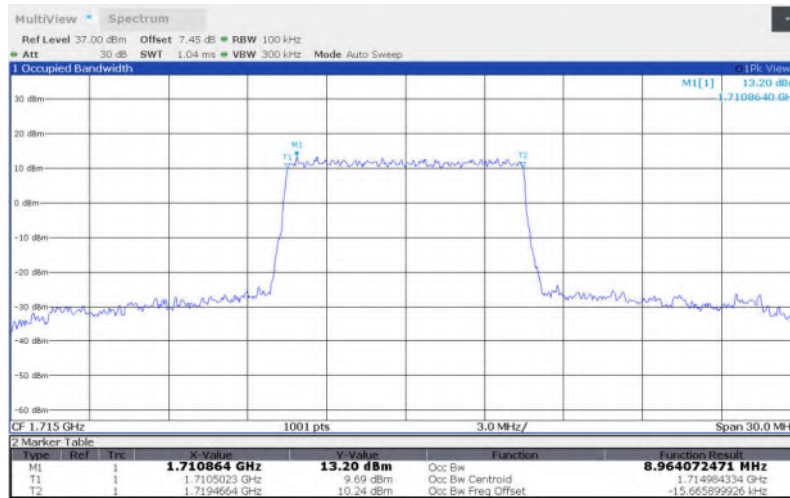
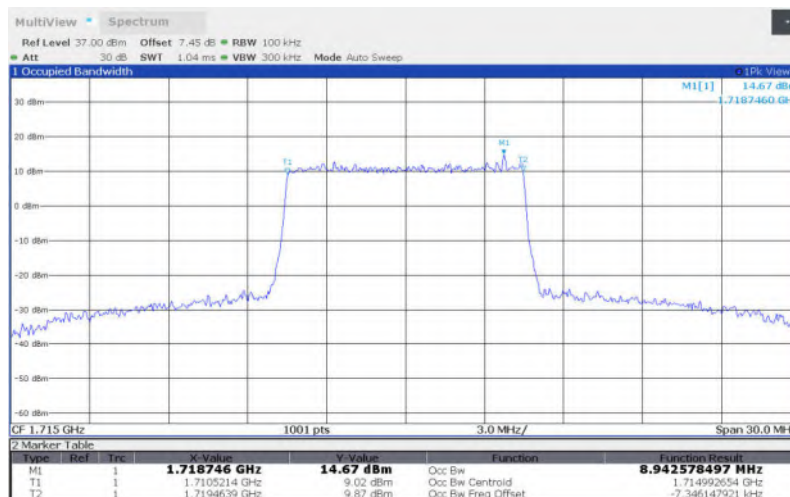


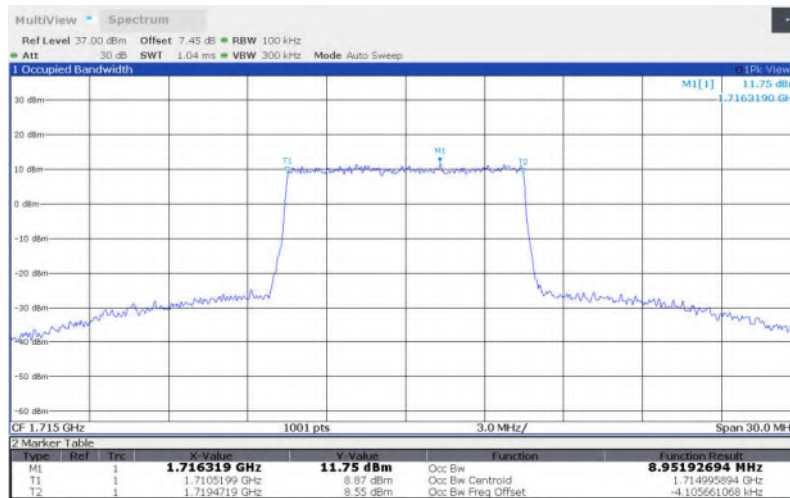
LTE Band 66 , 5MHz Bandwidth,HIGH,64QAM (99% BW)



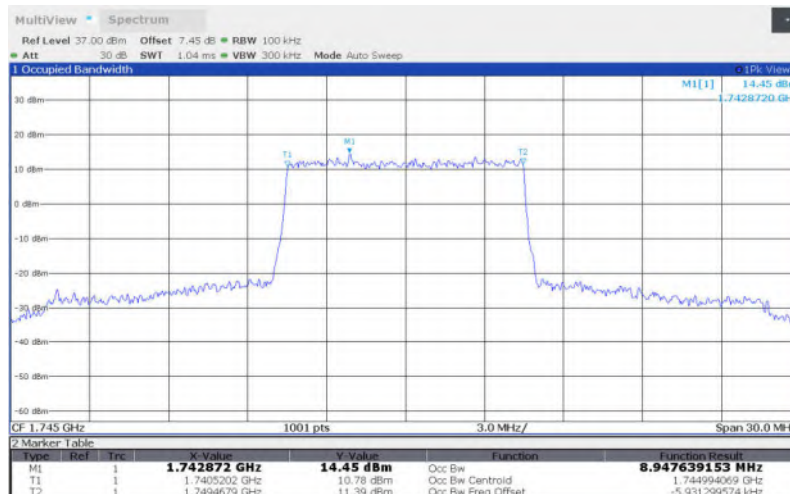
**LTE Band 66,10MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1715	8.964	8.943	8.952
1745	8.948	8.959	8.941
1775	8.943	8.943	8.951

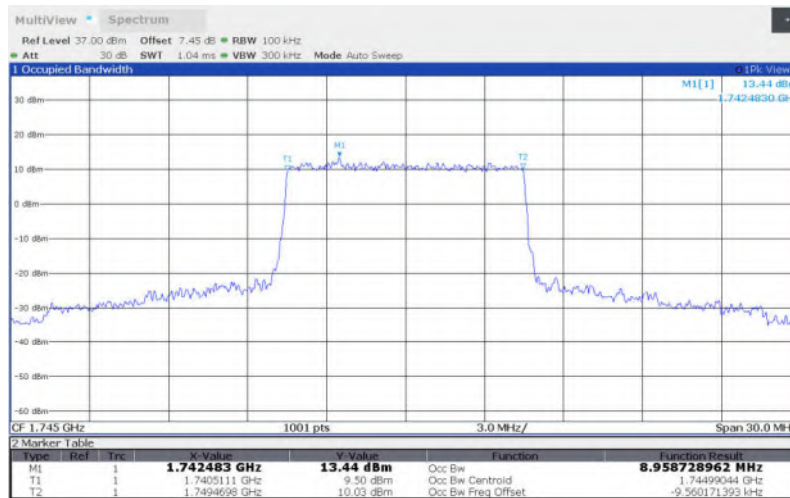
**LTE Band 66 , 10MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 10MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 10MHz Bandwidth,LOW,64QAM (99% BW)**



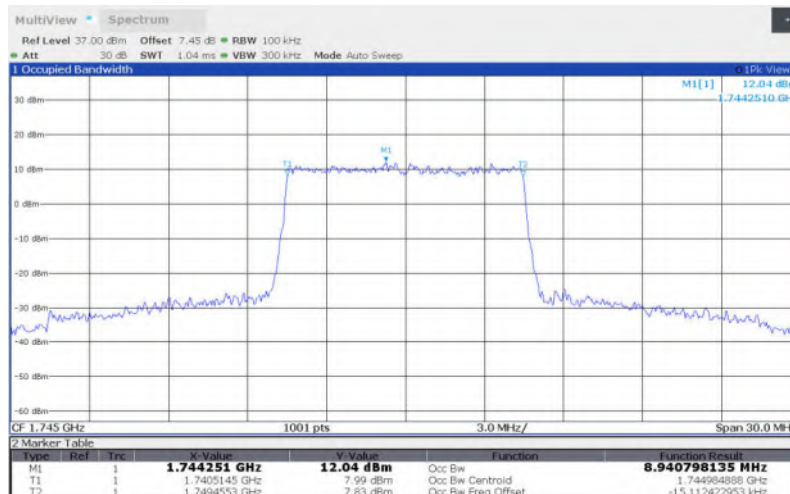
LTE Band 66 , 10MHz Bandwidth,MID,QPSK (99% BW)



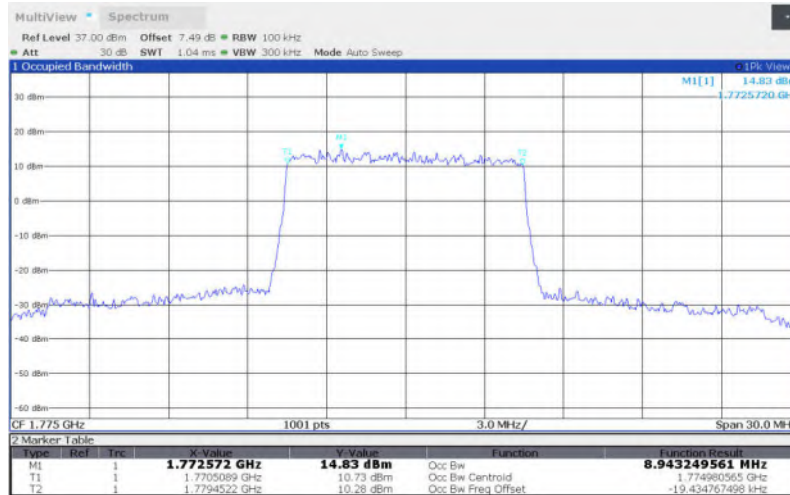
LTE Band 66 , 10MHz Bandwidth,MID,16QAM (99% BW)



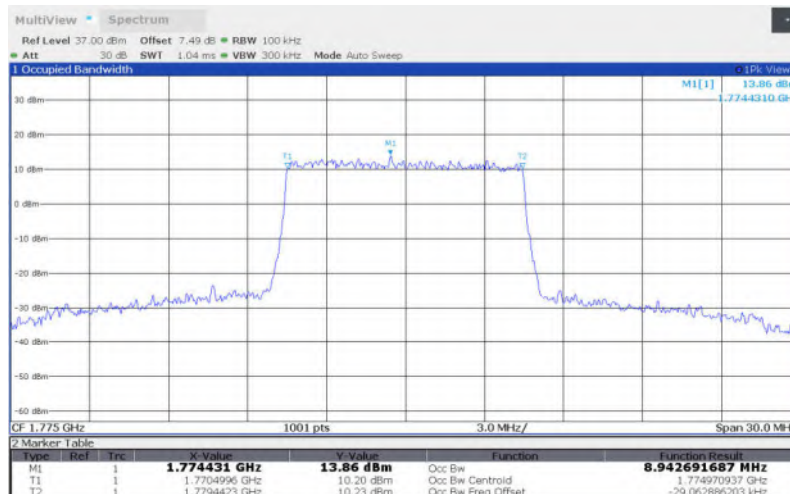
LTE Band 66 , 10MHz Bandwidth,MID,64QAM (99% BW)



LTE Band 66 , 10MHz Bandwidth,HIGH,QPSK (99% BW)

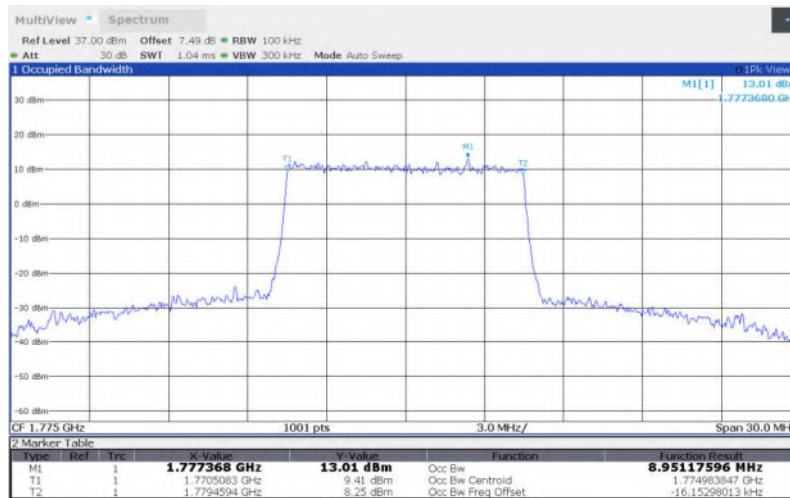


LTE Band 66 , 10MHz Bandwidth,HIGH,16QAM (99% BW)



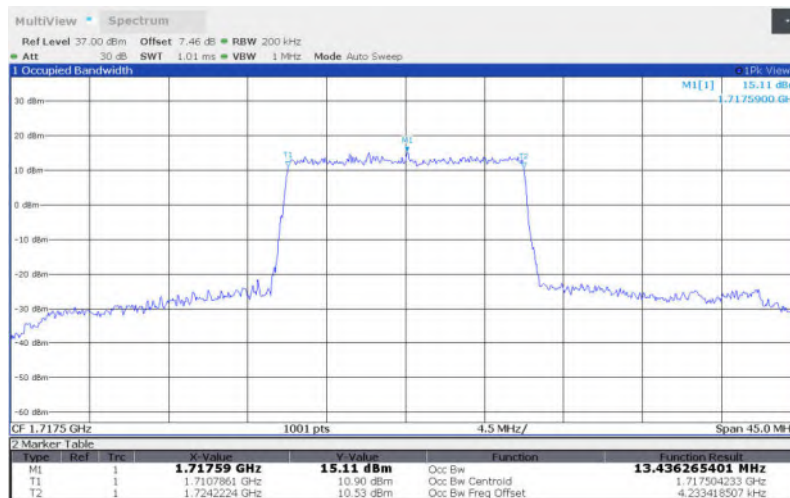
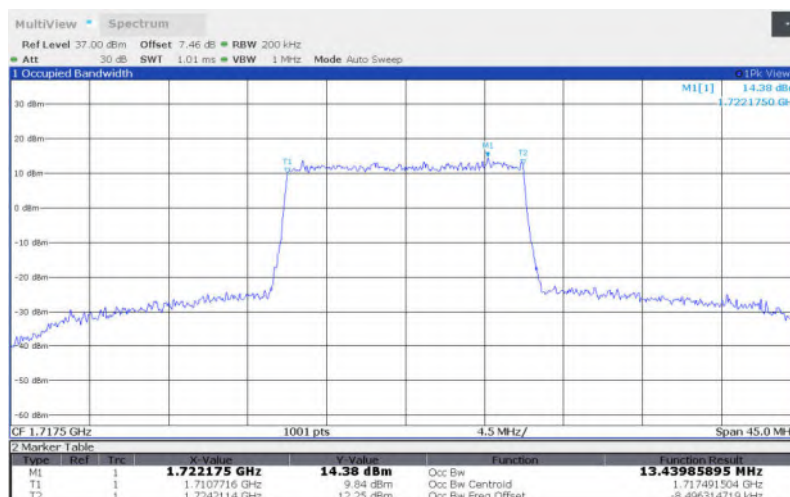
LTE Band 66 , 10MHz Bandwidth,HIGH,64QAM (99% BW)

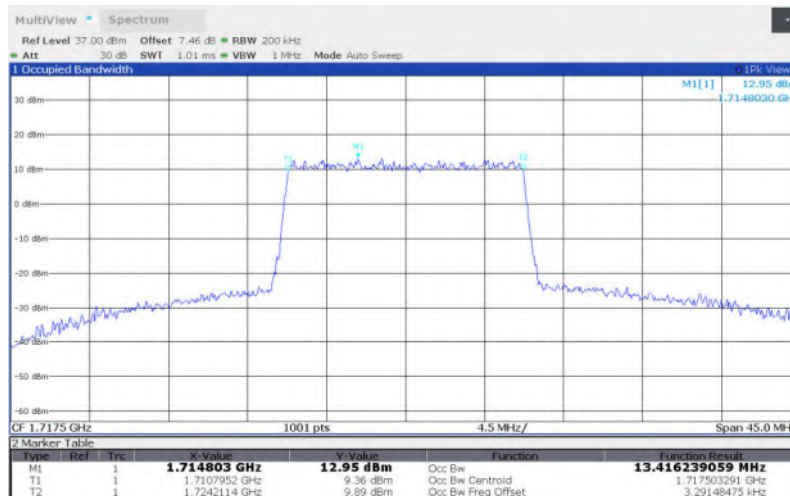




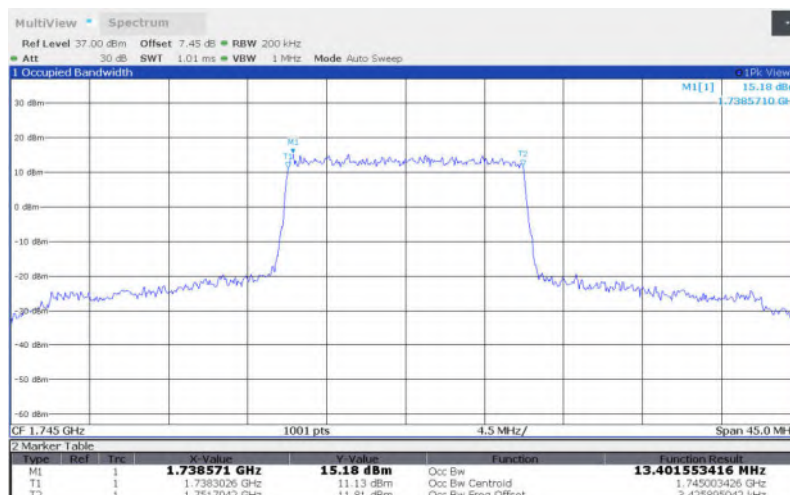
**LTE Band 66,15MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1717.5	13.436	13.440	13.416
1745	13.402	13.438	13.430
1772.5	13.416	13.434	13.479

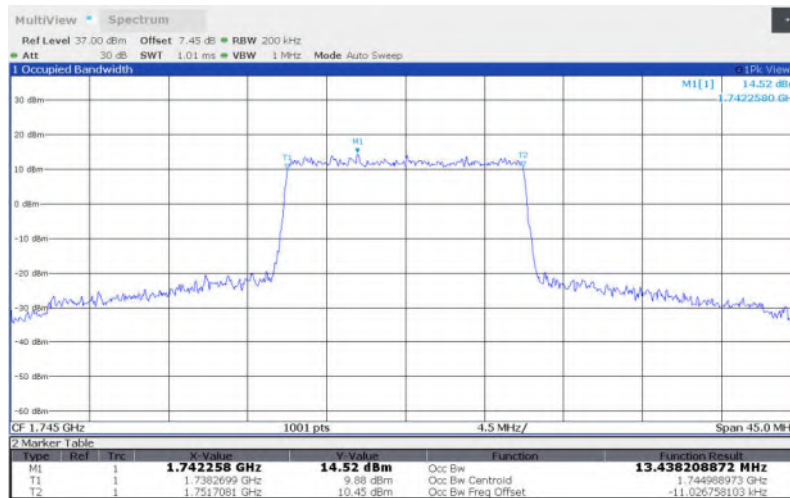
**LTE Band 66 , 15MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 15MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 15MHz Bandwidth,LOW,64QAM (99% BW)**



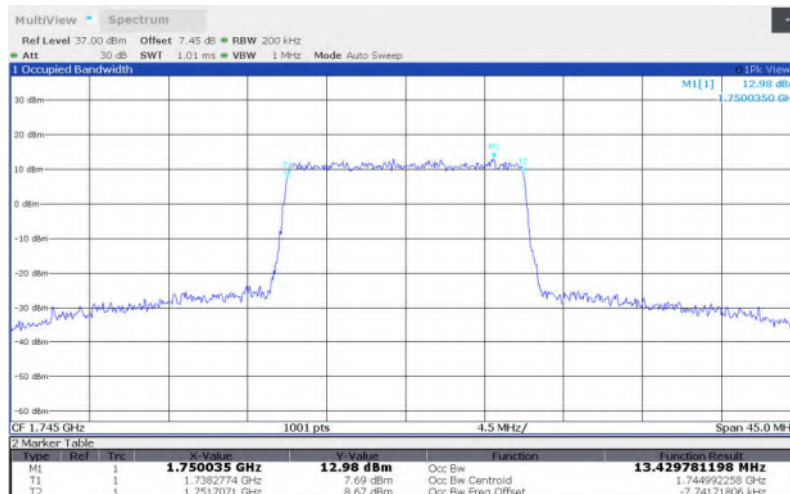
LTE Band 66 , 15MHz Bandwidth,MID,QPSK (99% BW)



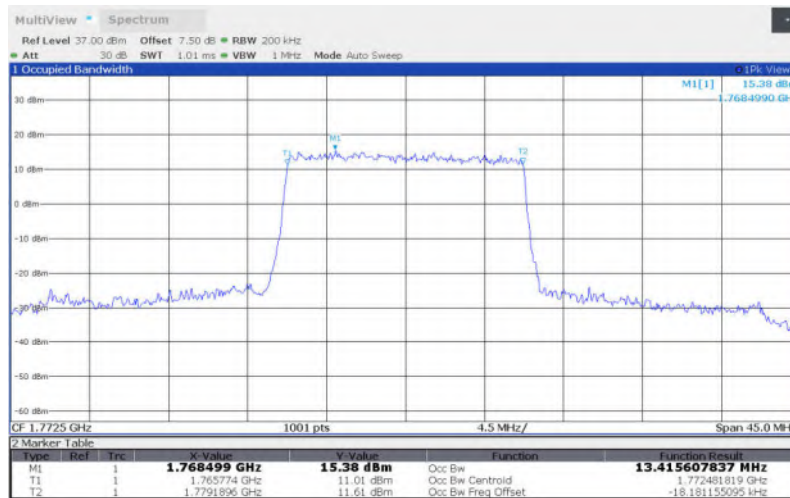
LTE Band 66 , 15MHz Bandwidth,MID,16QAM (99% BW)



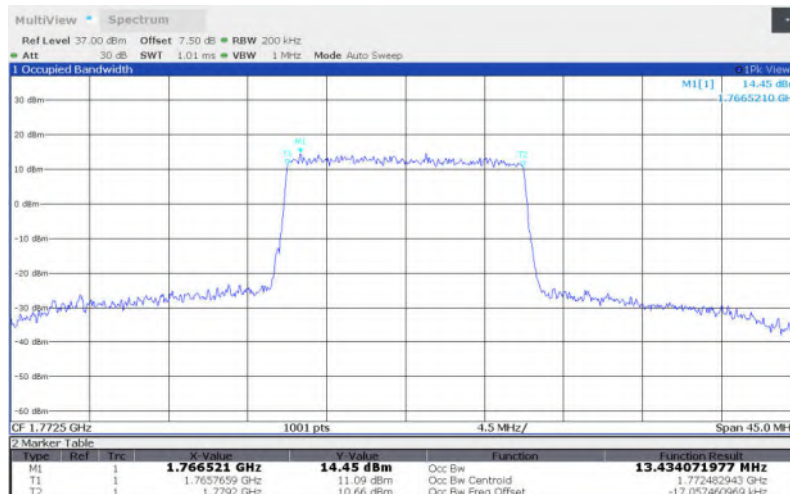
LTE Band 66 , 15MHz Bandwidth,MID,64QAM (99% BW)



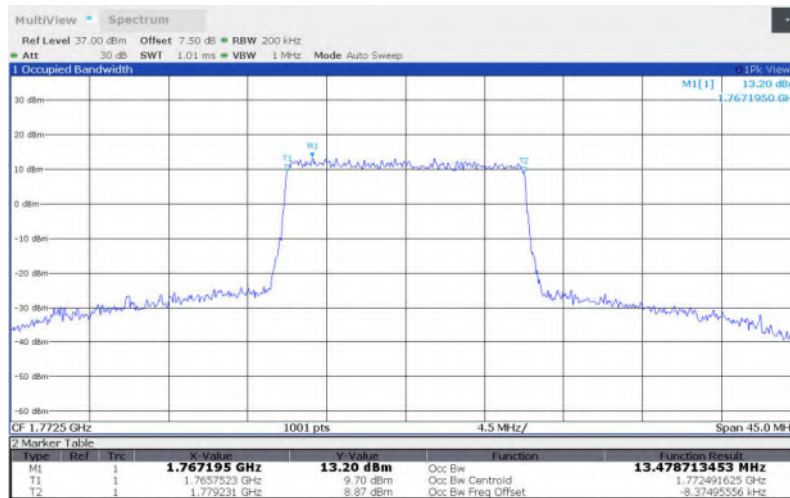
LTE Band 66 , 15MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 66 , 15MHz Bandwidth,HIGH,16QAM (99% BW)



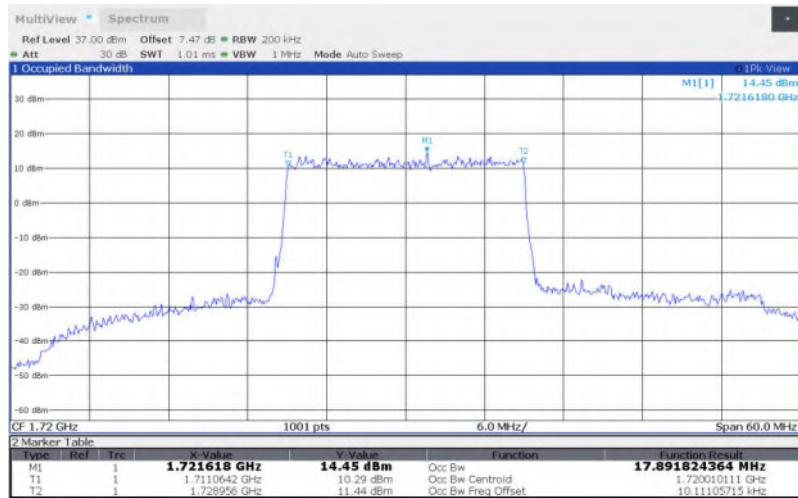
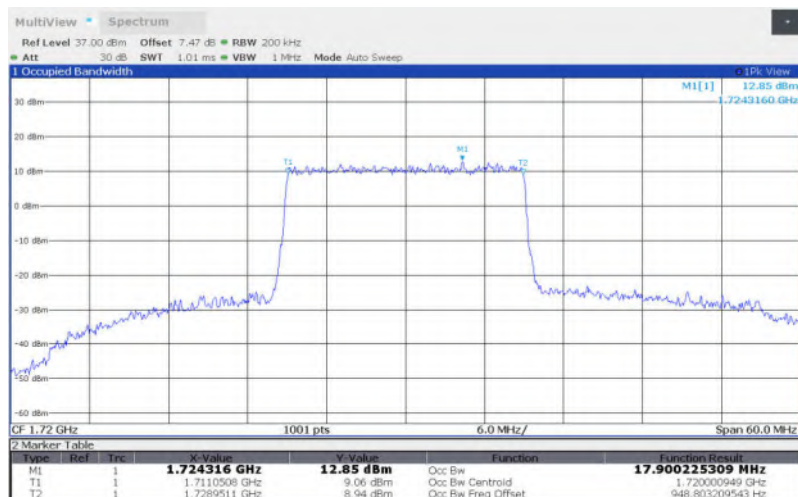
LTE Band 66 , 15MHz Bandwidth,HIGH,64QAM (99% BW)

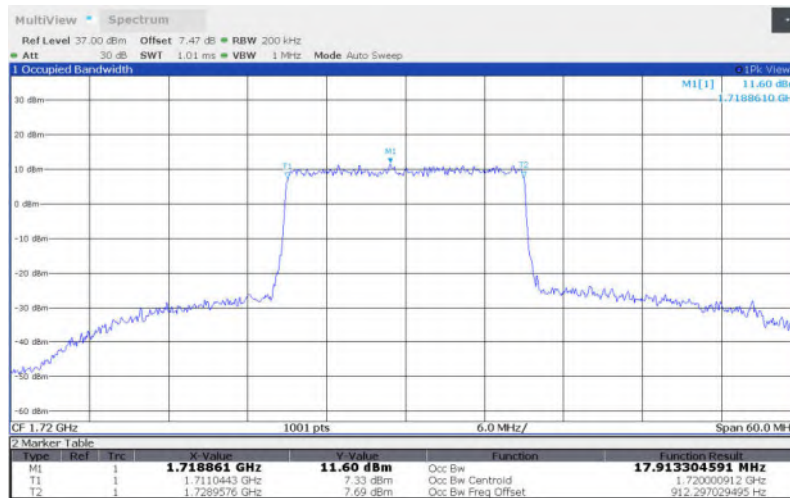




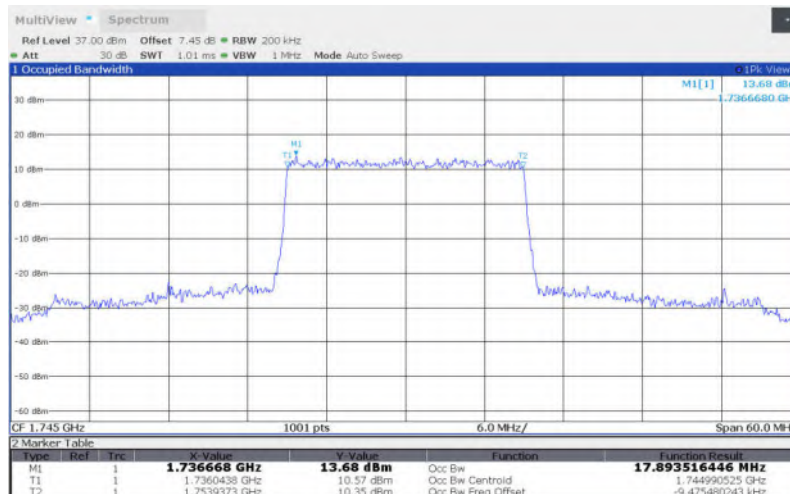
**LTE Band 66,20MHz(99% BW)**

Frequency (MHz)	Occupied Bandwidth (99% BW)(MHz)		
	QPSK	16QAM	64QAM
1720	17.892	17.900	17.913
1745	17.894	17.896	17.900
1770	17.864	17.891	17.863

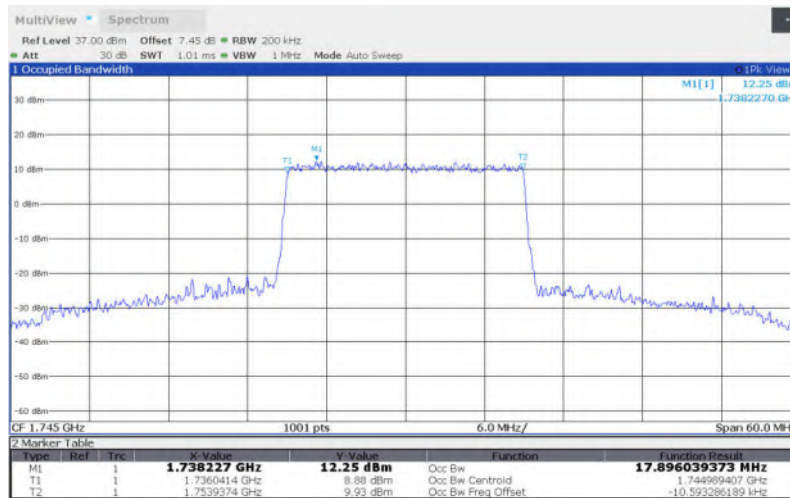
**LTE Band 66 , 20MHz Bandwidth,LOW,QPSK (99% BW)****LTE Band 66 , 20MHz Bandwidth,LOW,16QAM (99% BW)****LTE Band 66 , 20MHz Bandwidth,LOW,64QAM (99% BW)**



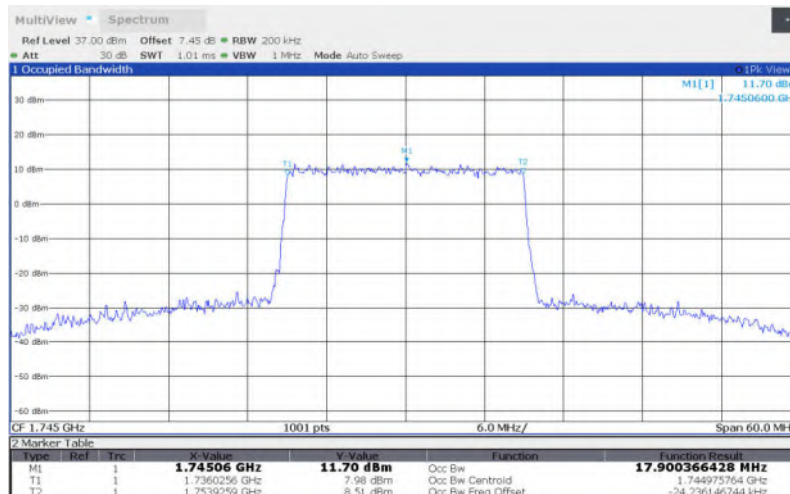
LTE Band 66 , 20MHz Bandwidth,MID,QPSK (99% BW)



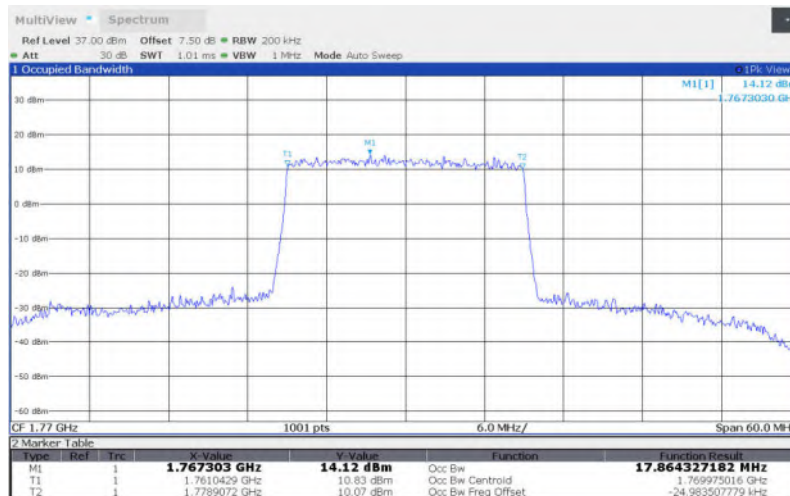
LTE Band 66 , 20MHz Bandwidth,MID,16QAM (99% BW)



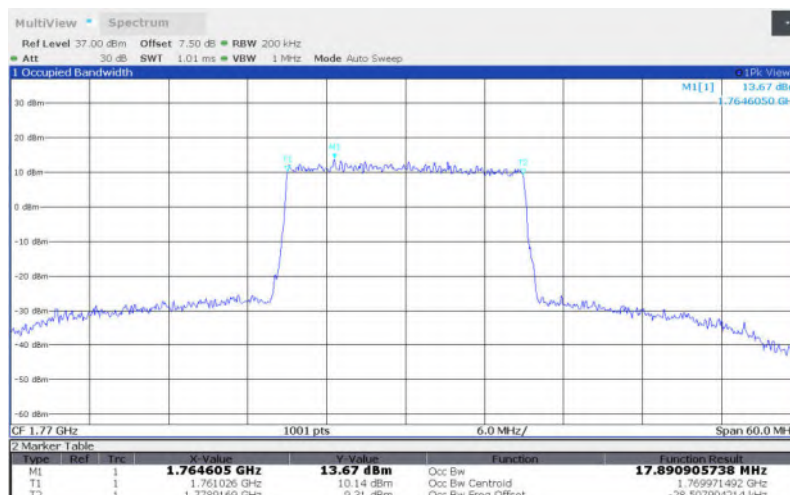
LTE Band 66 , 20MHz Bandwidth,MID,64QAM (99% BW)



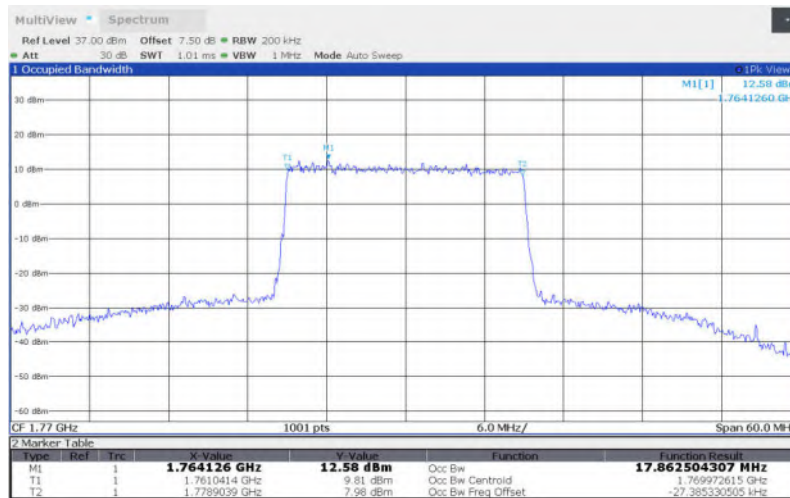
LTE Band 66 , 20MHz Bandwidth,HIGH,QPSK (99% BW)



LTE Band 66 , 20MHz Bandwidth,HIGH,16QAM (99% BW)



LTE Band 66 , 20MHz Bandwidth,HIGH,64QAM (99% BW)



Note: Expanded measurement uncertainty is  $U = 3428$  Hz,  $k = 2$



#### **A.5 EMISSION BANDWIDTH**

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from ANSI C63.26:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set  $\geq 3 \times \text{RBW}$ .
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

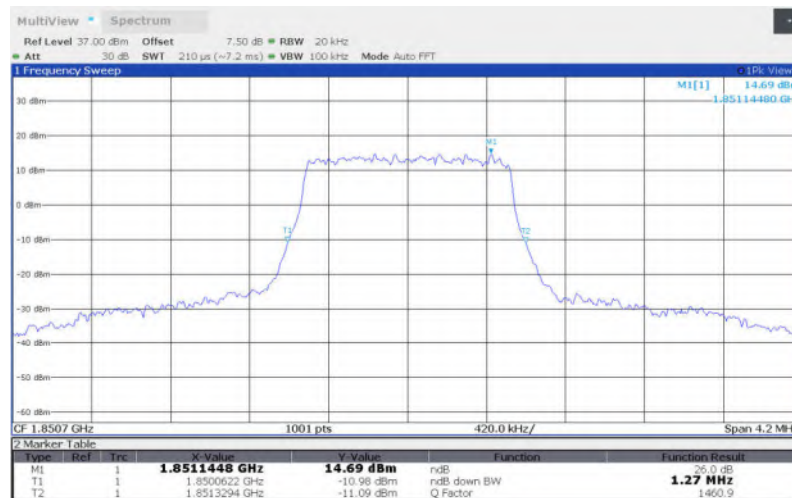




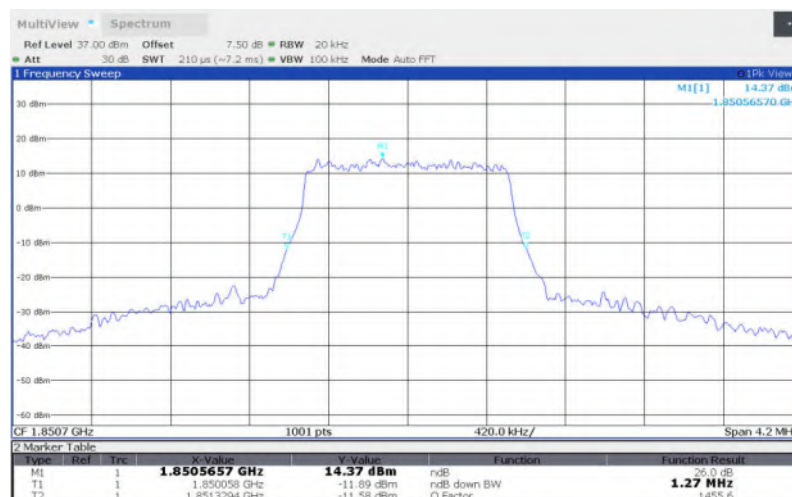
**LTE Band 2, 1.4MHz (-26Bc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1850.7	1.267	1.271	1.263
1880	1.263	1.288	1.284
1909.3	1.271	1.250	1.284

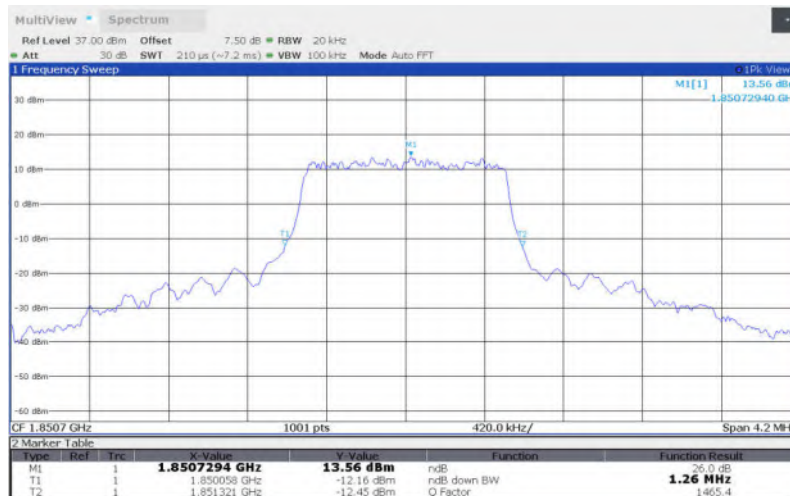
**LTE Band 2 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)**



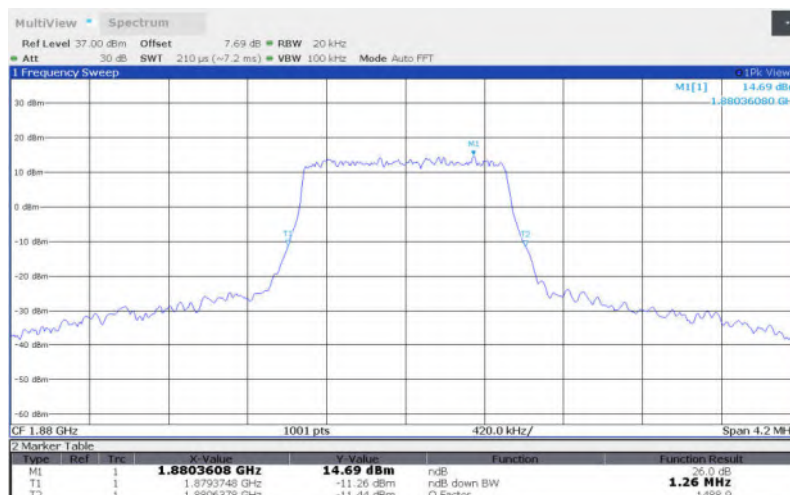
**LTE Band 2 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)**



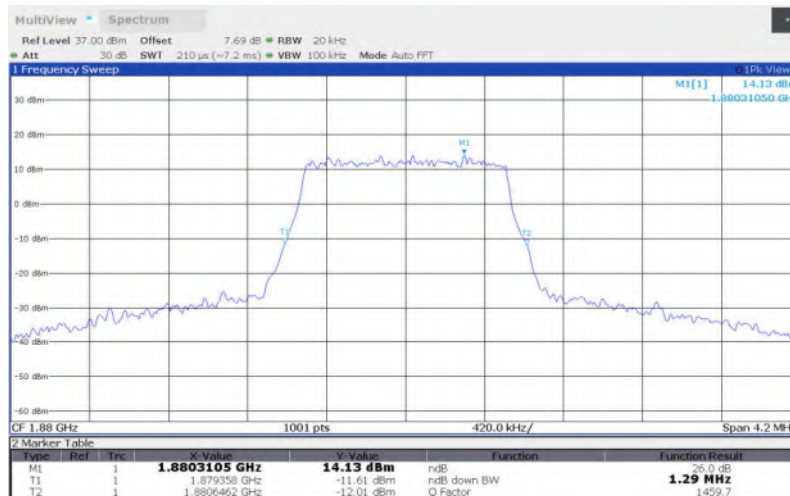
**LTE Band 2 , 1.4MHz Bandwidth,LOW,64QAM (-26dBc BW)**



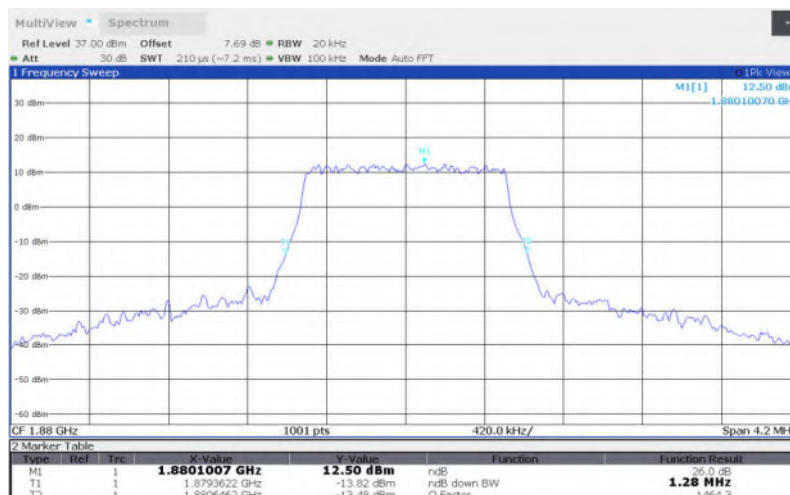
LTE Band 2 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



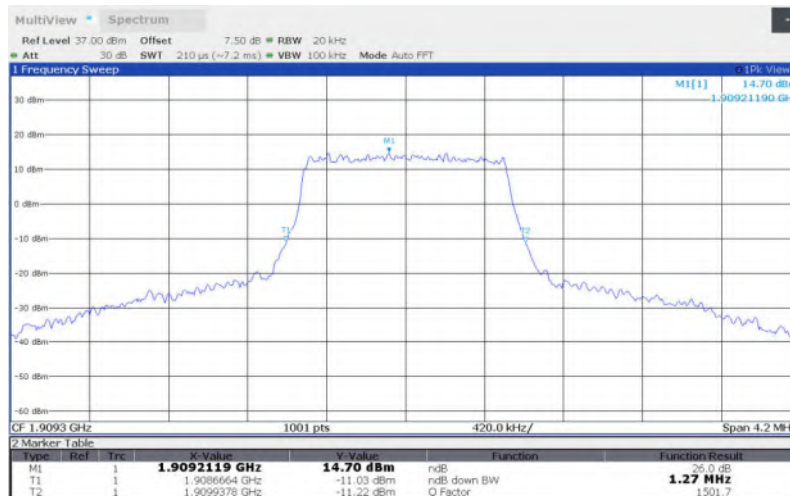
LTE Band 2 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



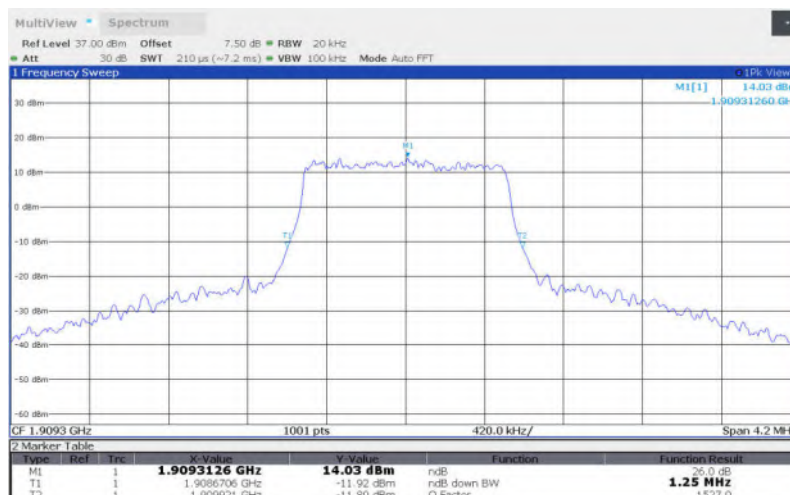
**LTE Band 2 , 1.4MHz Bandwidth,MID,64QAM (-26dBc BW)**



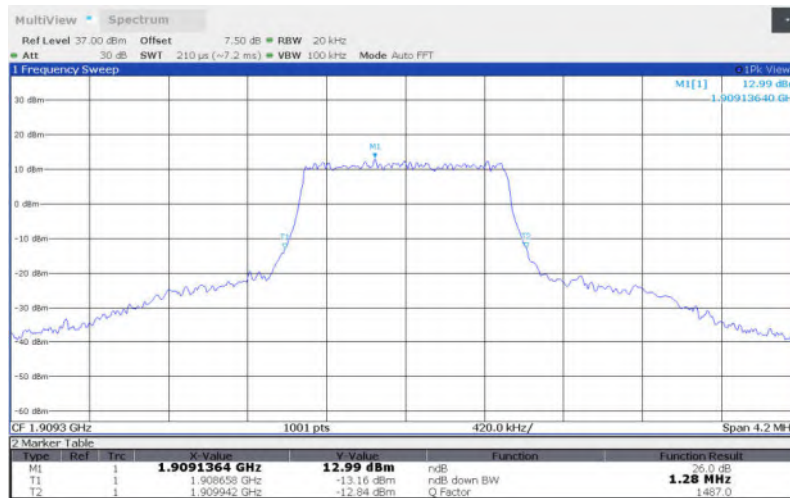
**LTE Band 2 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)**



**LTE Band 2 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)**

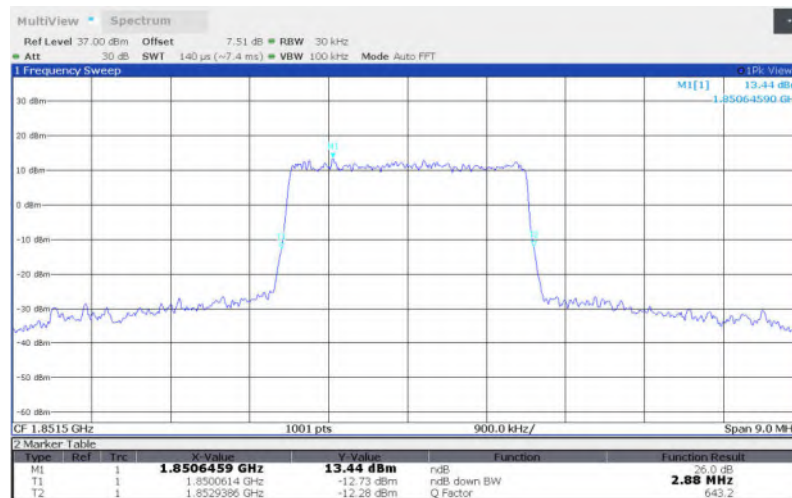
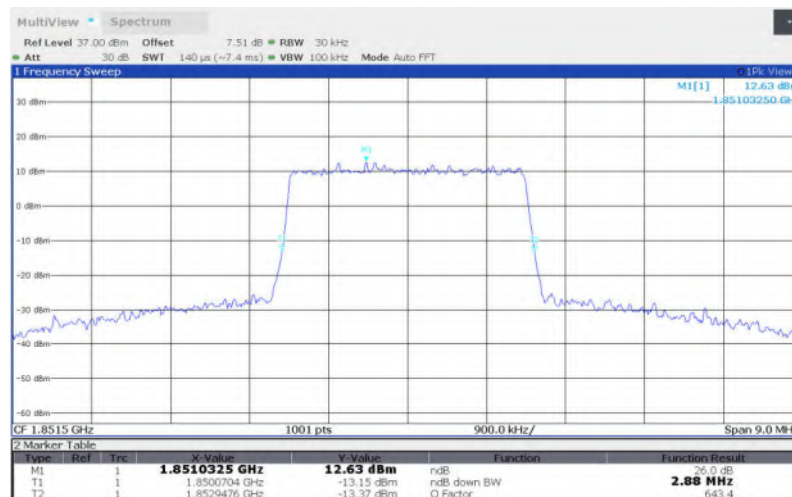


**LTE Band 2 , 1.4MHz Bandwidth,HIGH,64QAM (-26dBc BW)**

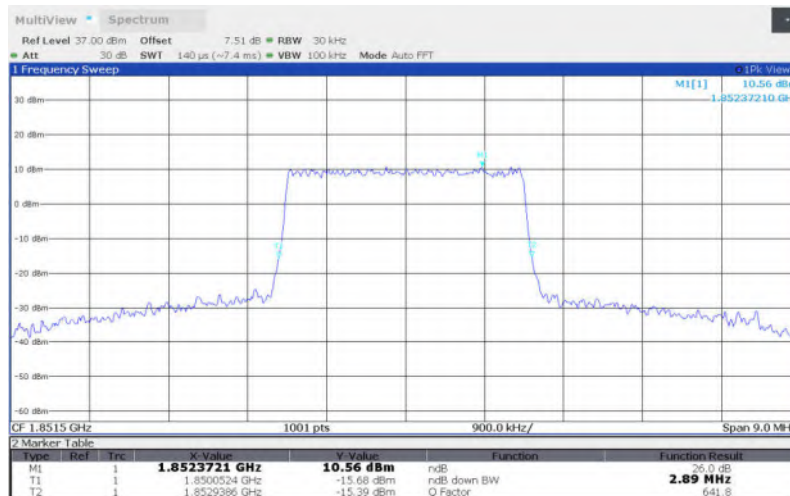


**LTE Band 2,3MHz(-26dBc BW)**

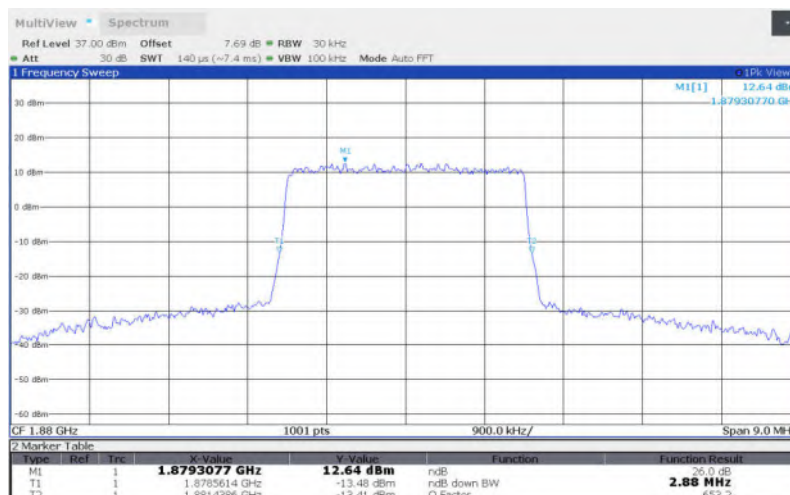
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1851.5	2.877	2.877	2.886
1880	2.877	2.877	2.868
1908.5	2.877	2.868	2.877

**LTE Band 2 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 2 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 2 , 3MHz Bandwidth,LOW,64QAM (-26dBc BW)**

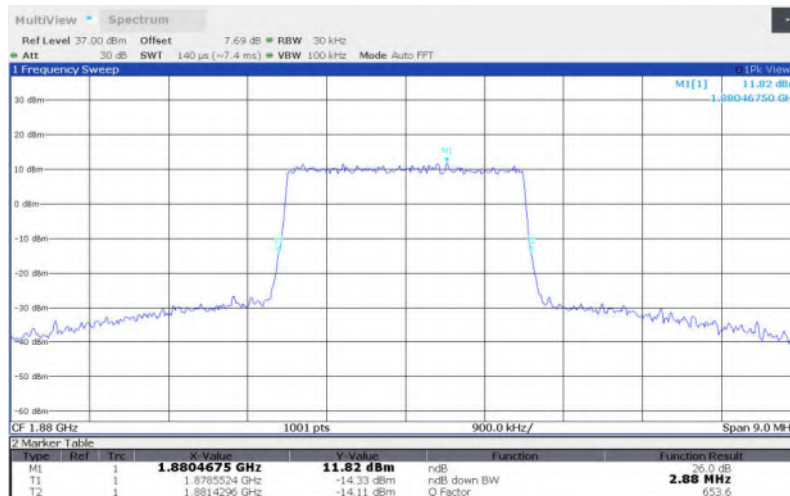




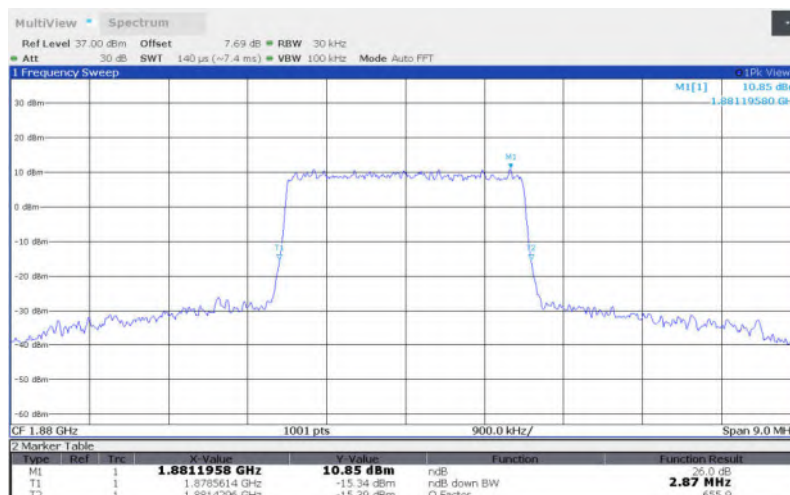
LTE Band 2 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



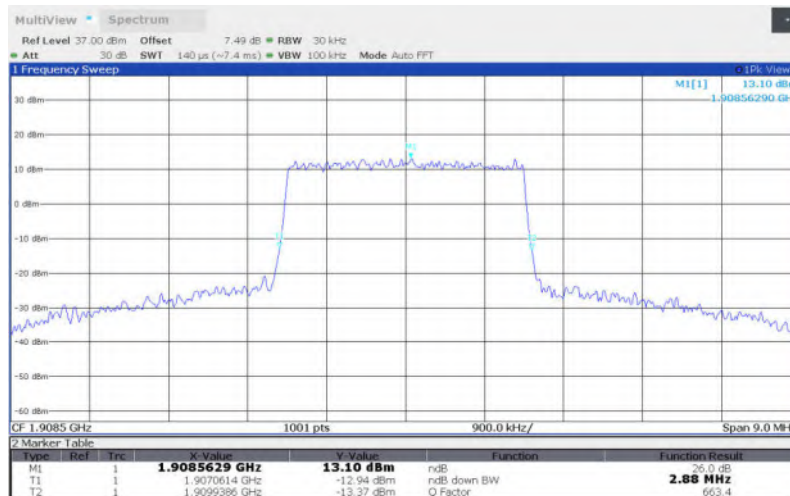
LTE Band 2 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



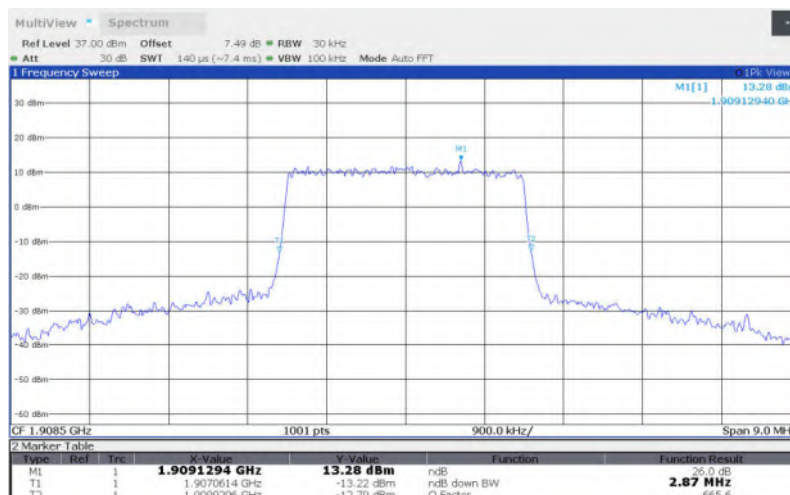
LTE Band 2 , 3MHz Bandwidth,MID,64QAM (-26dBc BW)



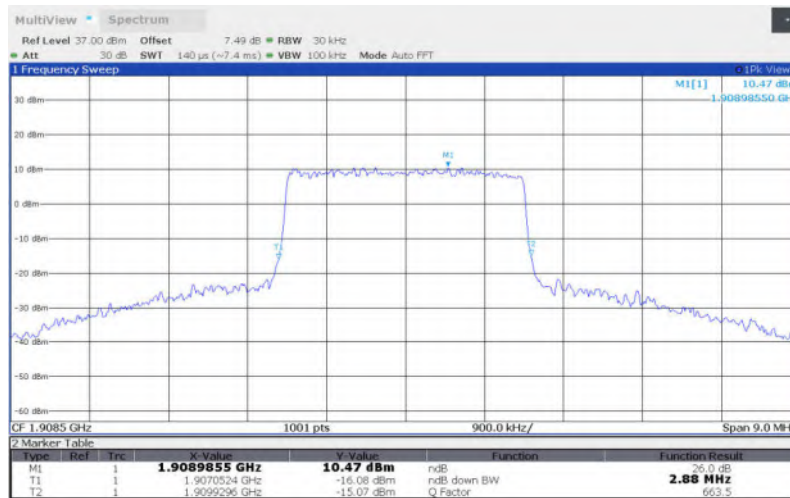
LTE Band 2 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 2 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)

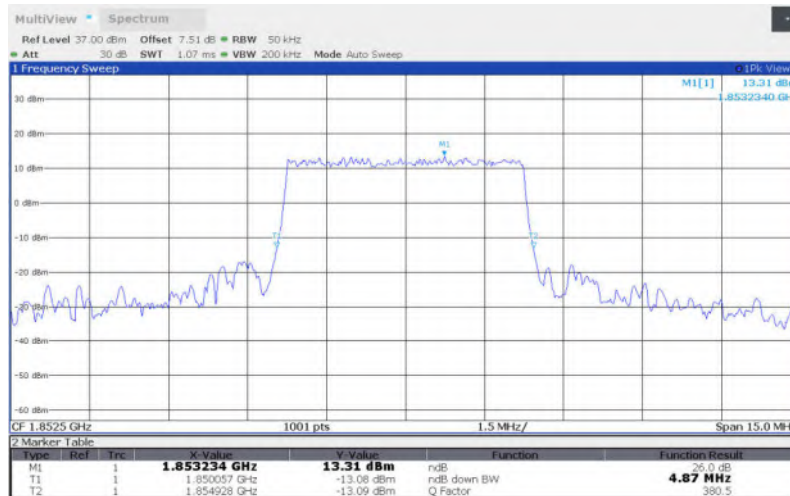
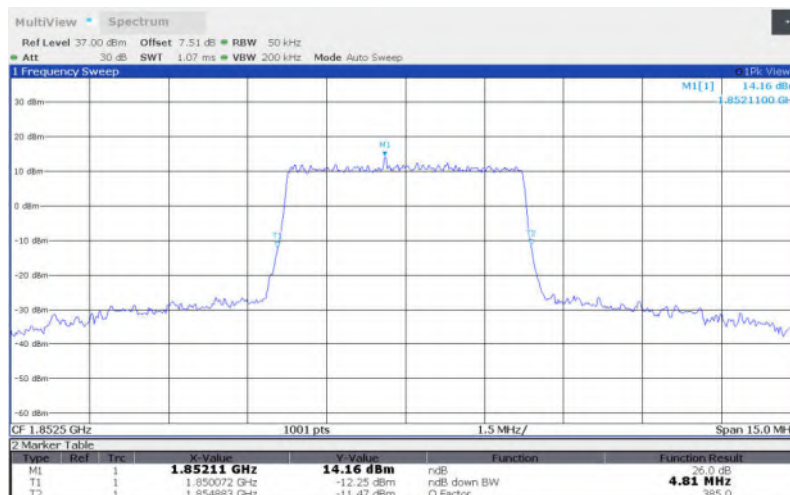


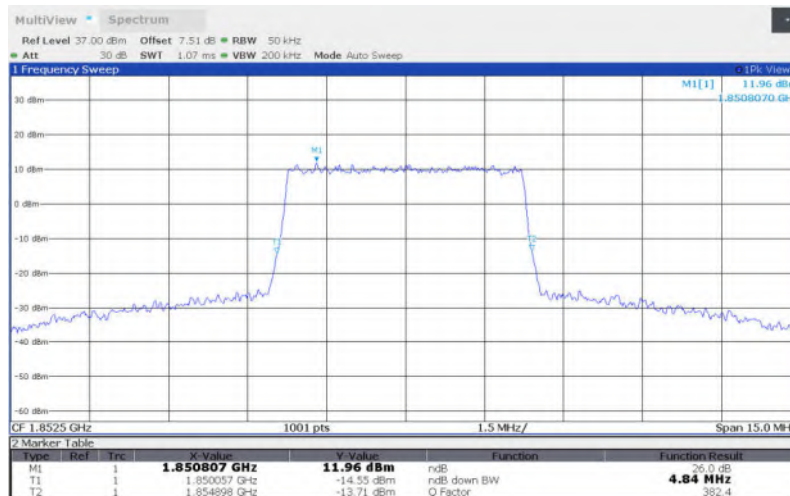
LTE Band 2 , 3MHz Bandwidth,HIGH,64QAM (-26dBc BW)



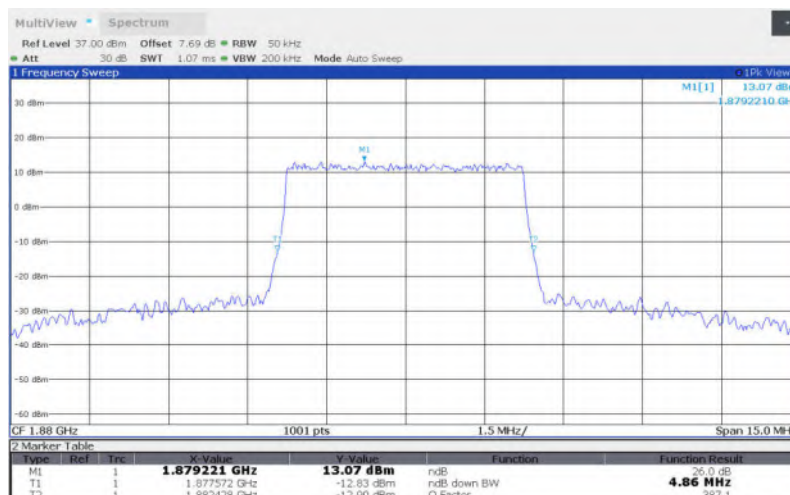
**LTE Band 2,5MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1852.5	4.870	4.810	4.840
1880	4.855	4.855	4.915
1907.5	4.825	4.990	4.900

**LTE Band 2 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 2 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 2 , 5MHz Bandwidth,LOW,64QAM (-26dBc BW)**

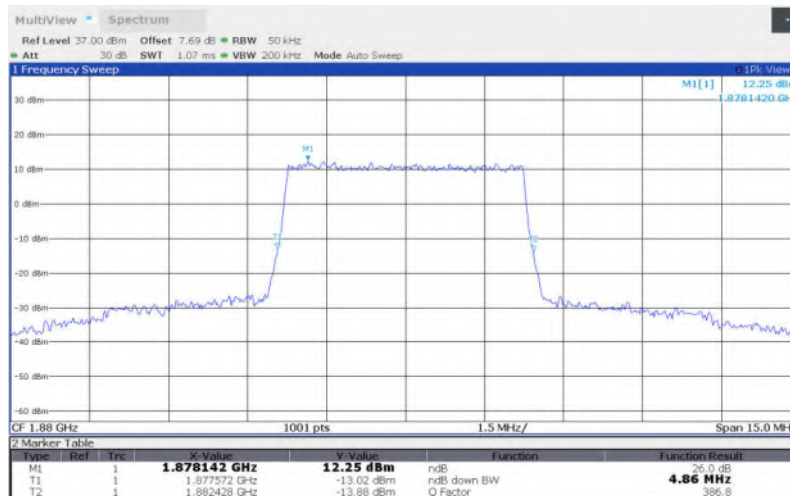


LTE Band 2 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

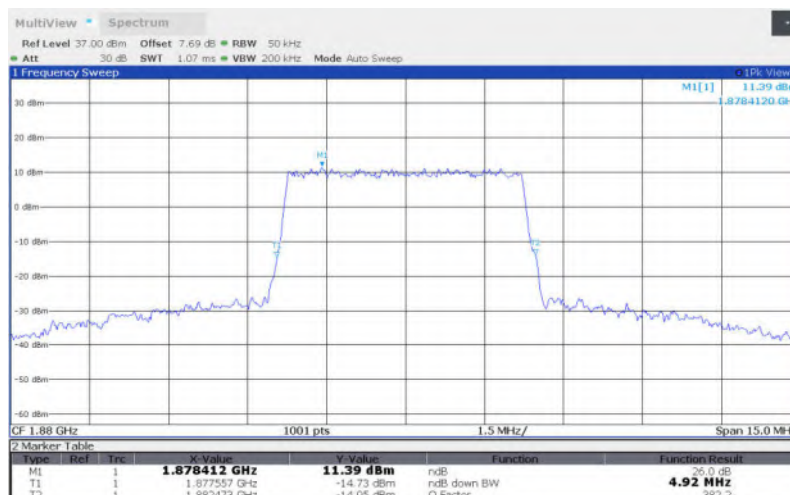


LTE Band 2 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

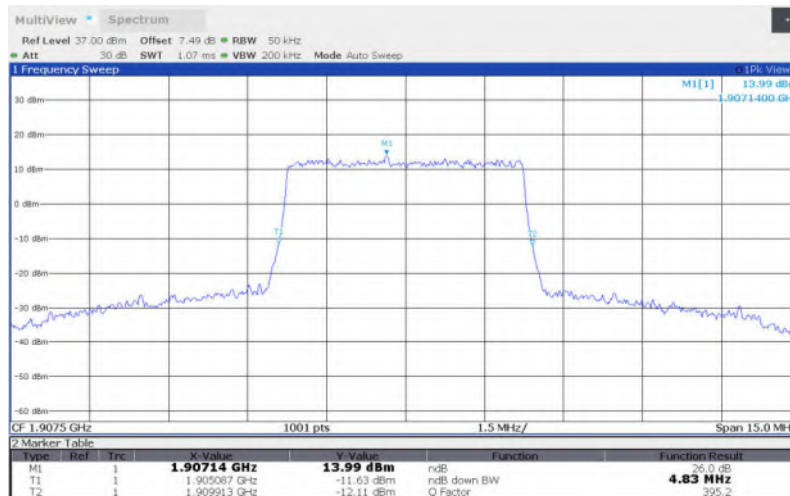




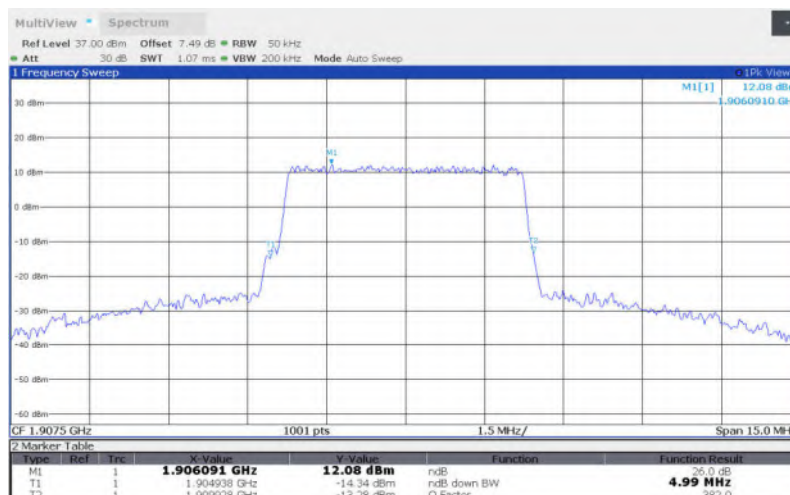
LTE Band 2 , 5MHz Bandwidth,MID,64QAM (-26dBc BW)



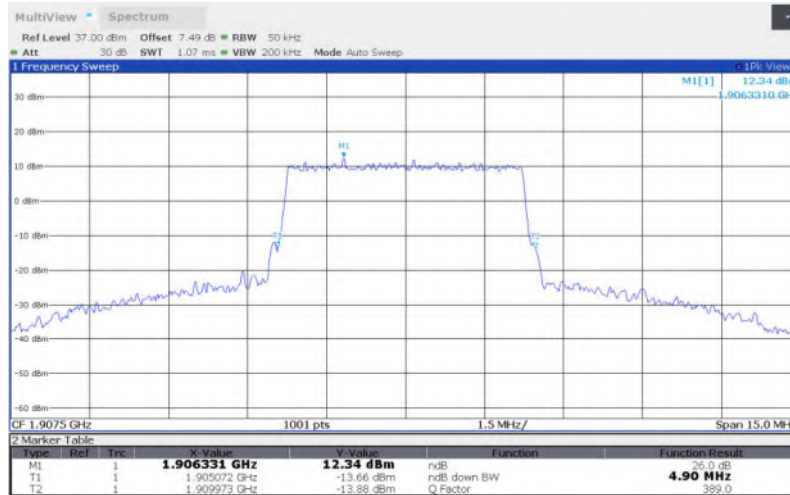
LTE Band 2 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 2 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)



LTE Band 2 , 5MHz Bandwidth,HIGH,64QAM (-26dBc BW)

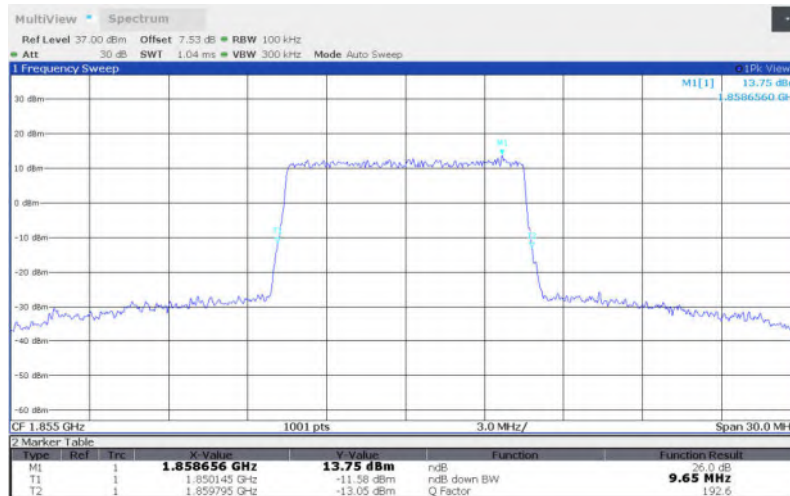




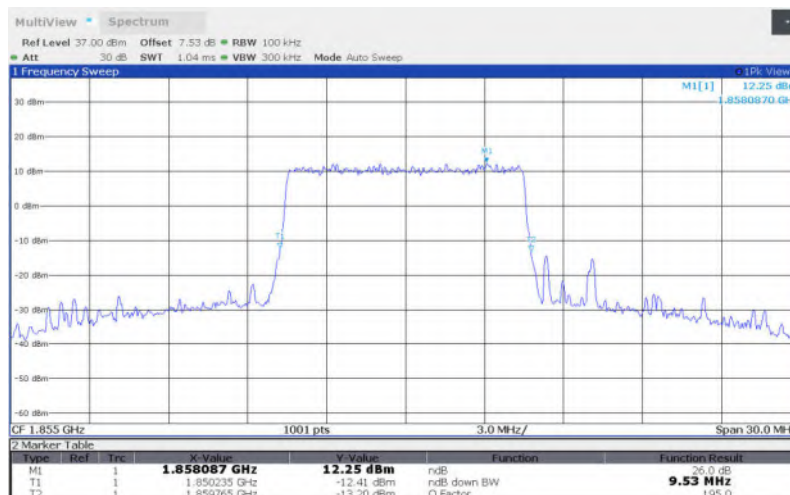
**LTE Band 2,10MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1855	9.650	9.530	9.560
1880	9.560	9.620	9.590
1905	9.620	9.620	9.620

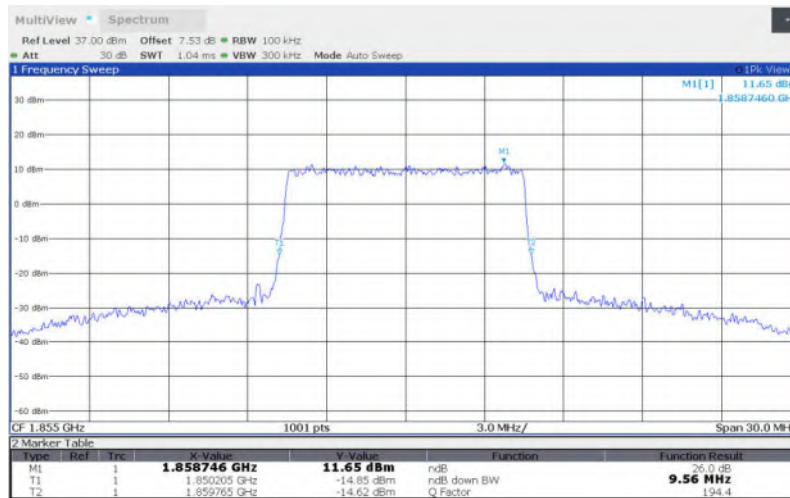
**LTE Band 2 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)**



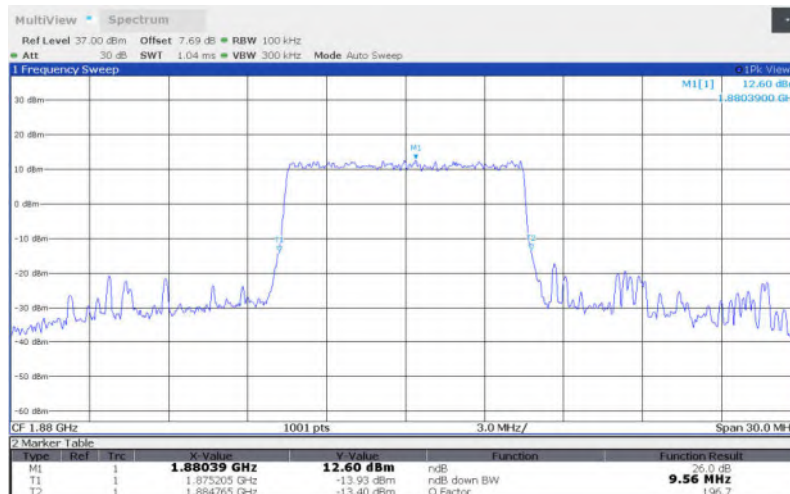
**LTE Band 2 , 10MHz Bandwidth,LOW,16QAM (-26dBc BW)**



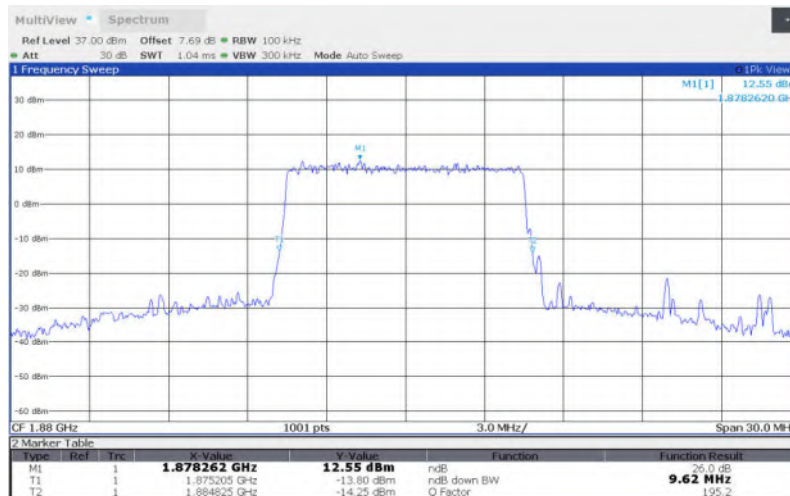
**LTE Band 2 , 10MHz Bandwidth,LOW,64QAM (-26dBc BW)**



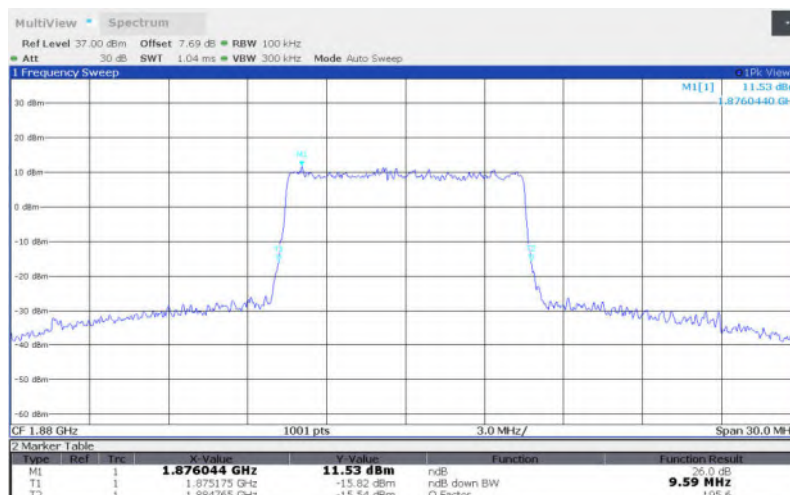
LTE Band 2 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE Band 2 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)

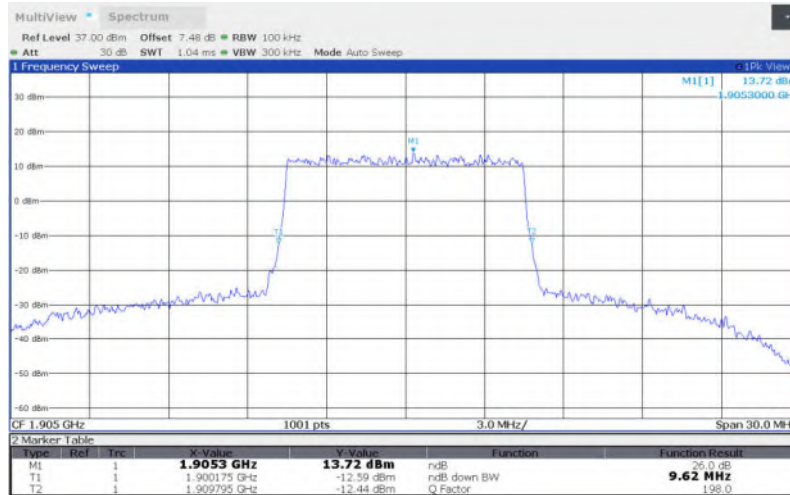


LTE Band 2 , 10MHz Bandwidth,MID,64QAM (-26dBc BW)

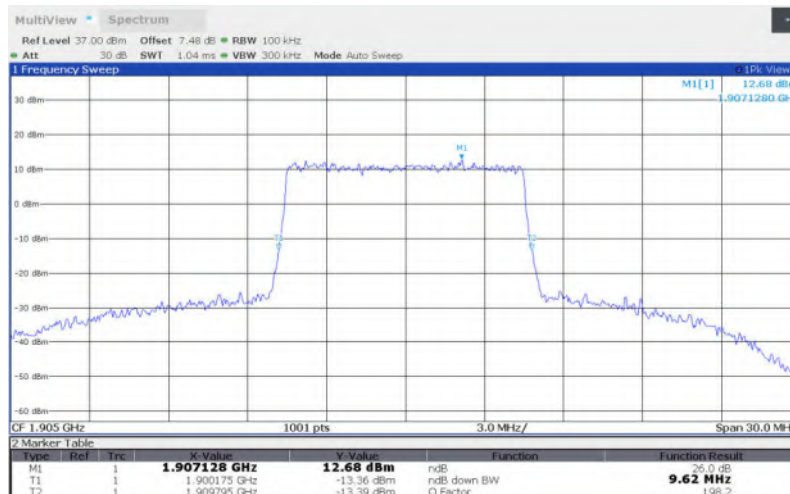


LTE Band 2 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)

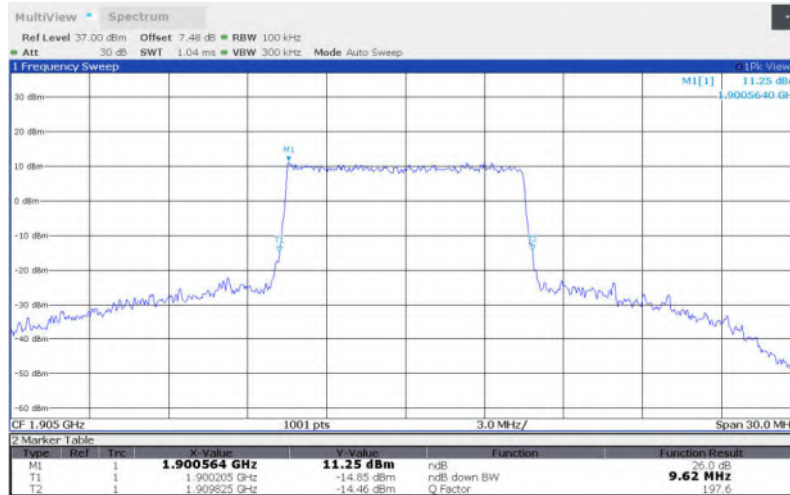




LTE Band 2 , 10MHz Bandwidth,HIGH,16QAM (-26dBc BW)



LTE Band 2 , 10MHz Bandwidth,HIGH,64QAM (-26dBc BW)

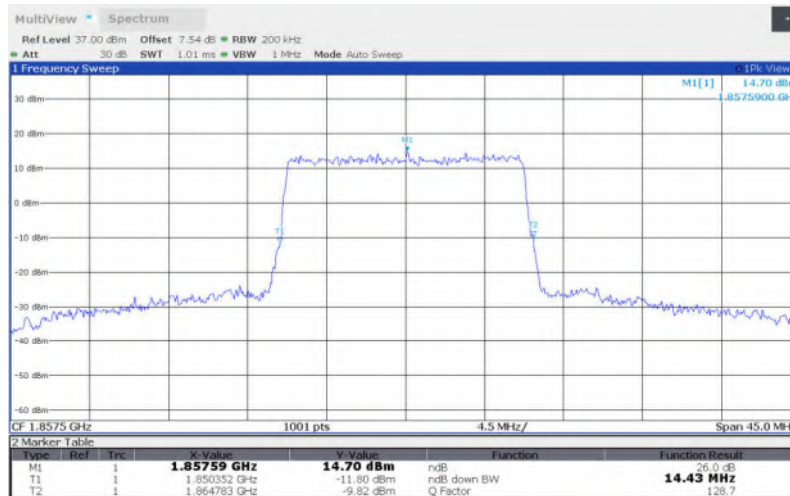




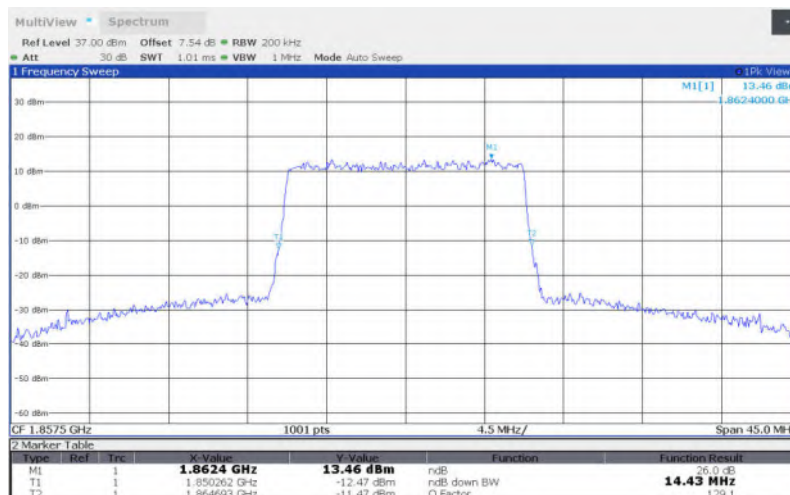
**LTE Band 2,15MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1857.5	14.431	14.431	14.341
1880	14.431	14.476	14.520
1902.5	14.520	14.251	14.431

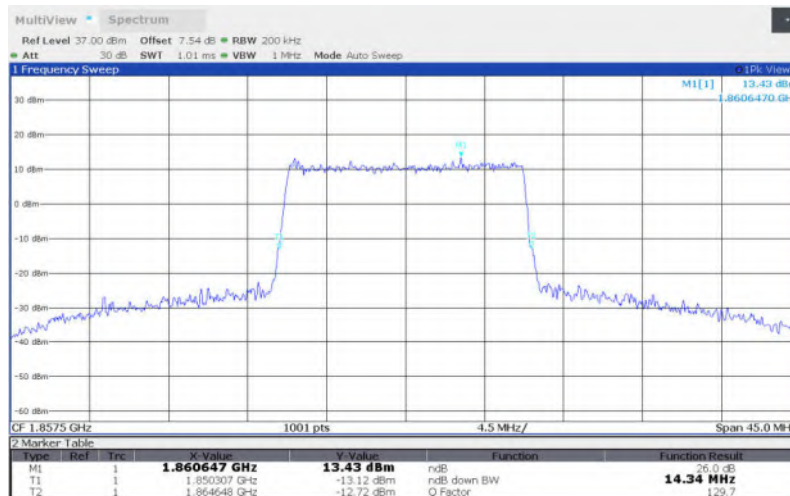
**LTE Band 2 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)**



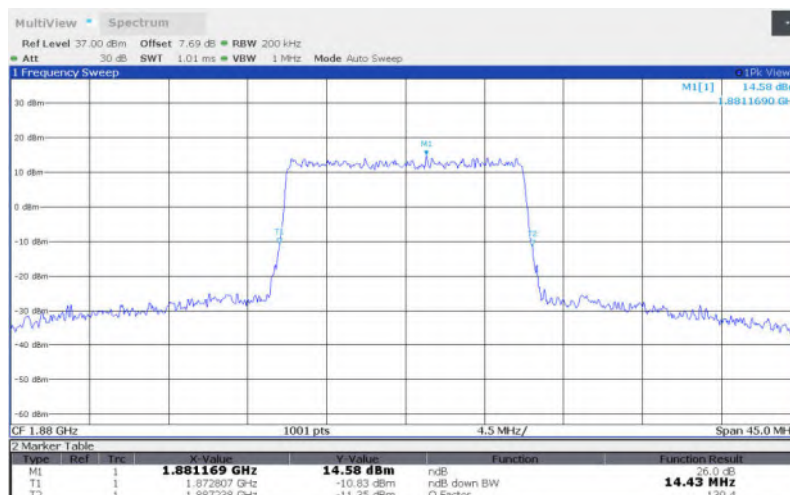
**LTE Band 2 , 15MHz Bandwidth,LOW,16QAM (-26dBc BW)**



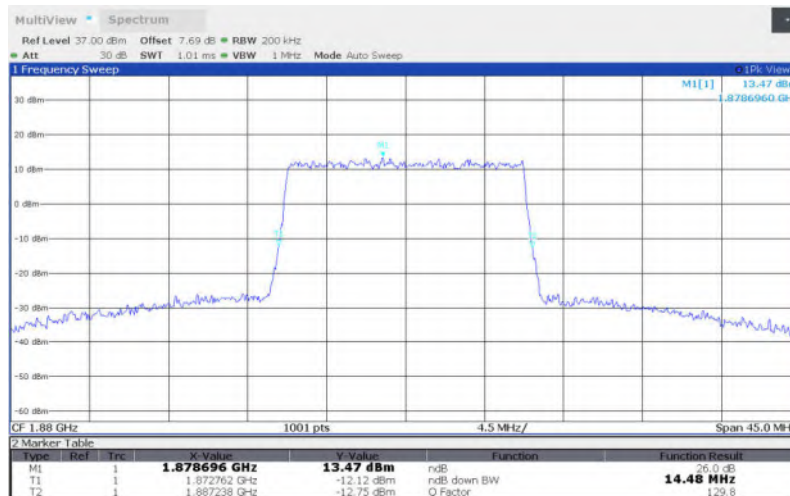
**LTE Band 2 , 15MHz Bandwidth,LOW,64QAM (-26dBc BW)**



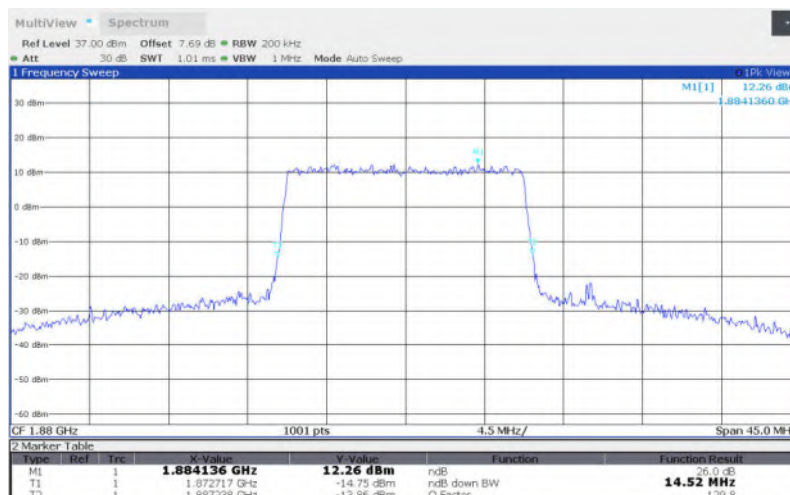
LTE Band 2 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)



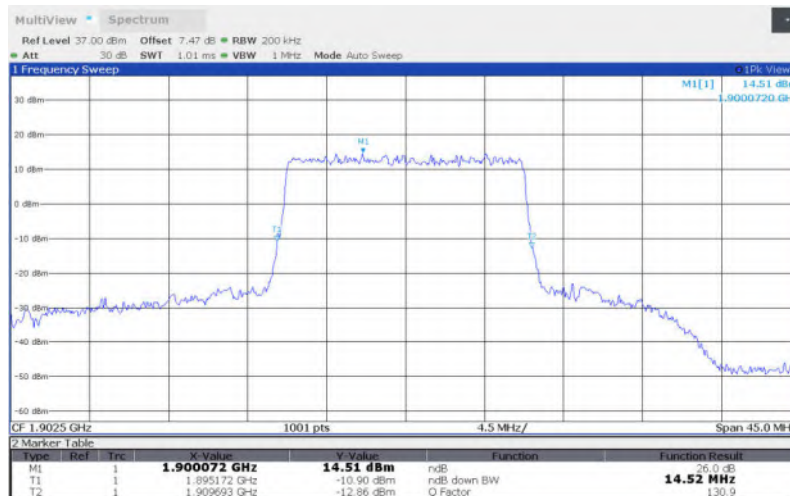
LTE Band 2 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)



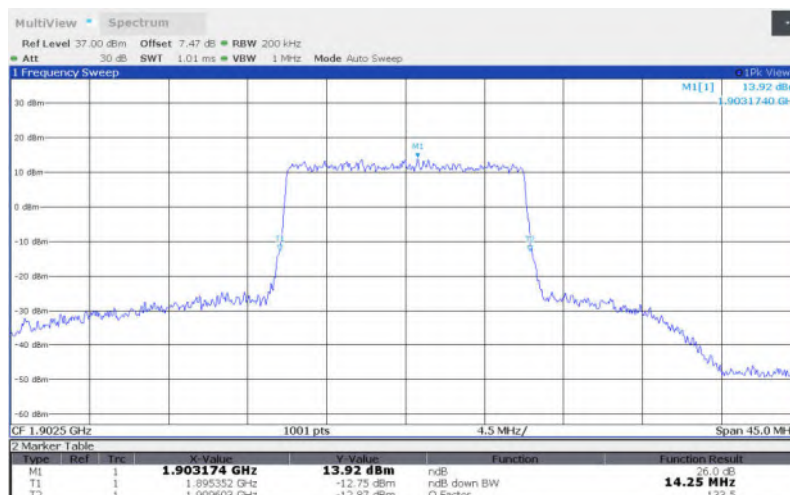
LTE Band 2 , 15MHz Bandwidth,MID,64QAM (-26dBc BW)



LTE Band 2 , 15MHz Bandwidth,HIGH,QPSK (-26dBc BW)

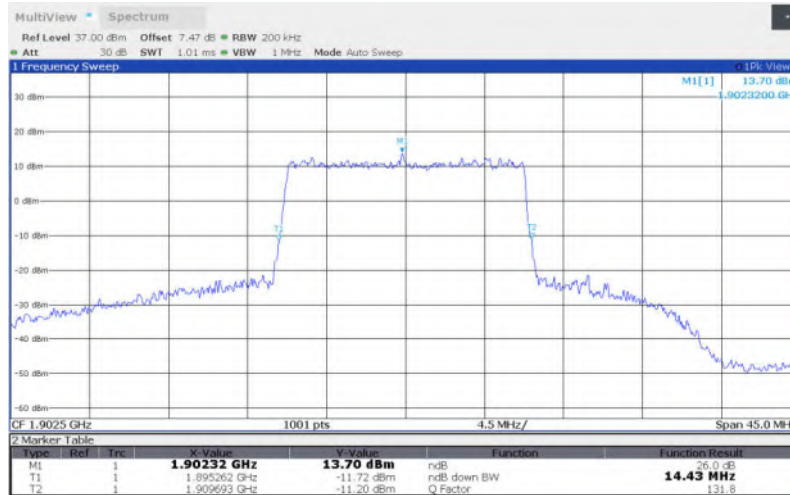


LTE Band 2 , 15MHz Bandwidth,HIGH,16QAM (-26dBc BW)



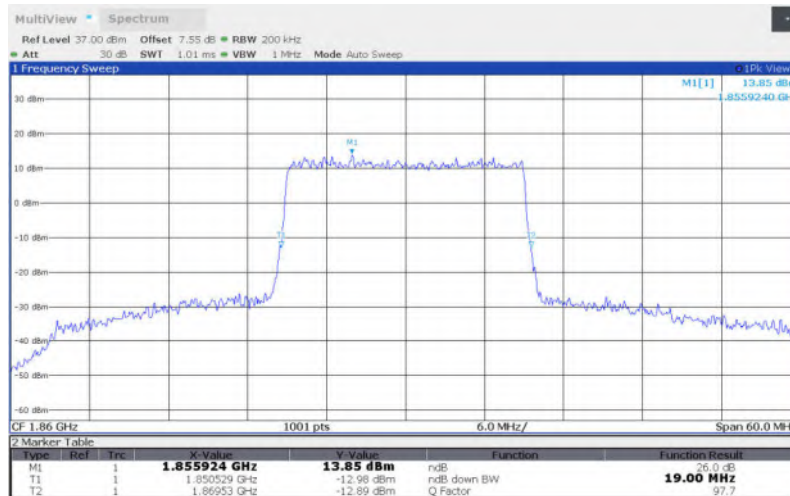
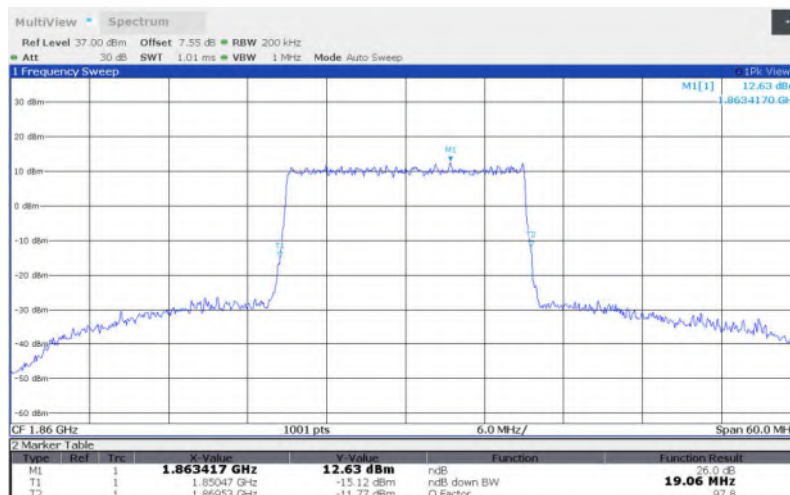
LTE Band 2 , 15MHz Bandwidth,HIGH,64QAM (-26dBc BW)

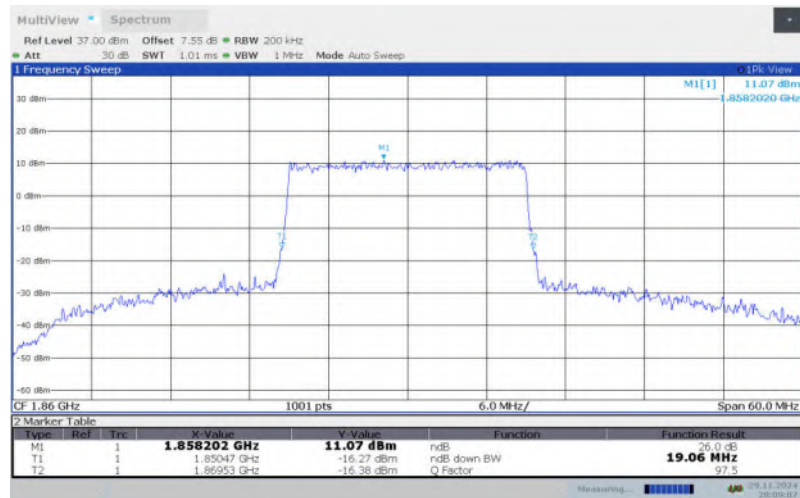




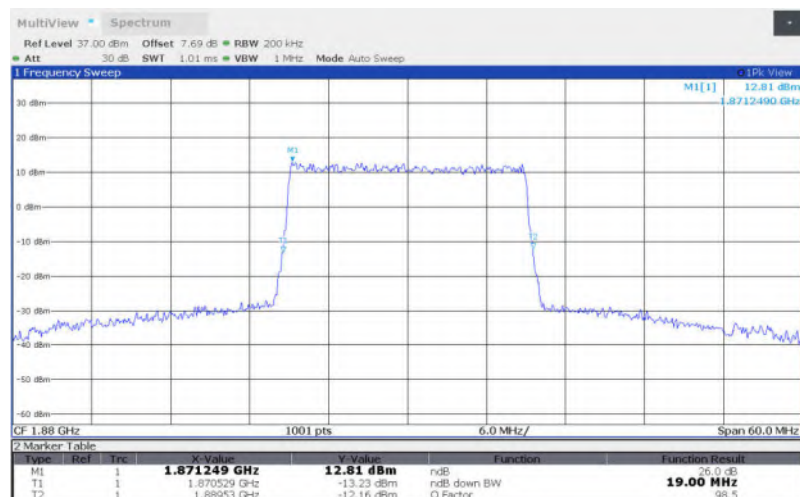
**LTE Band 2,20MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1860	19.001	19.061	19.061
1880	19.001	19.001	19.001
1900	19.061	19.001	19.061

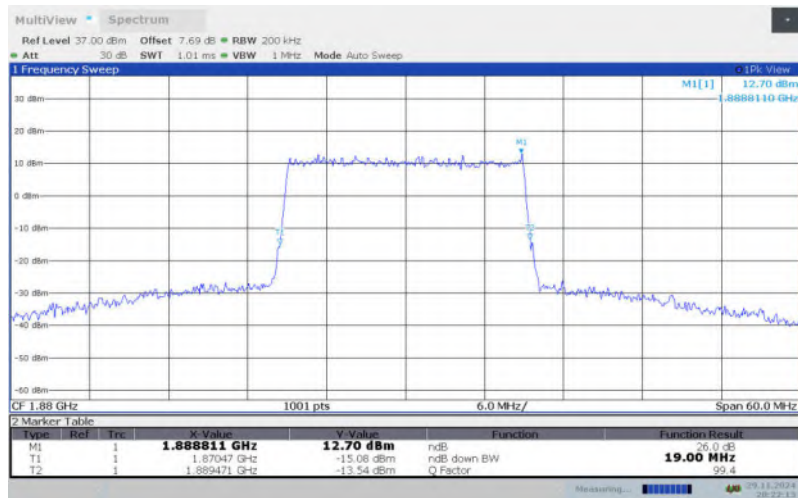
**LTE Band 2 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 2 , 20MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 2 , 20MHz Bandwidth,LOW,64QAM (-26dBc BW)**



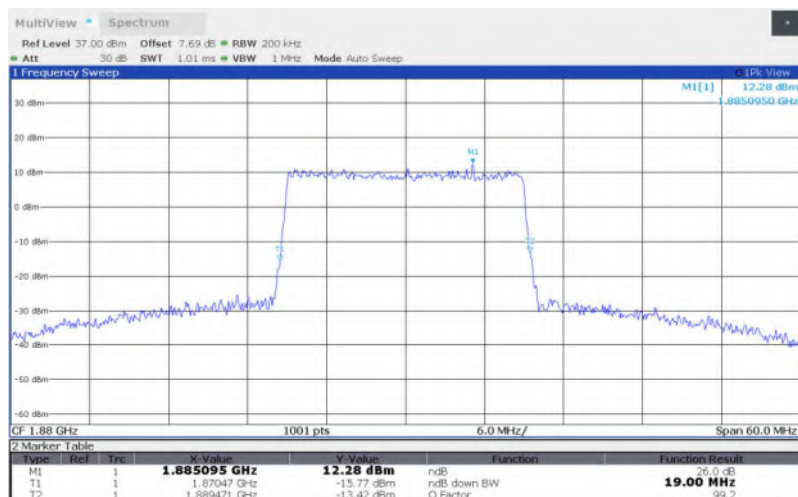
LTE Band 2 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)



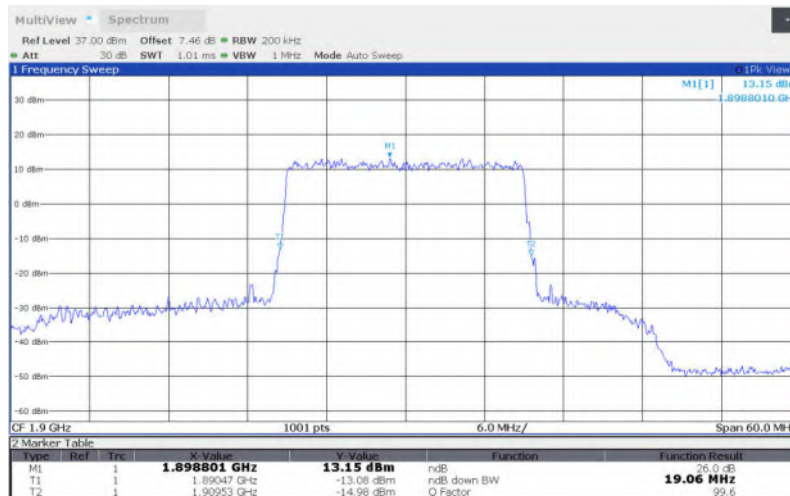
LTE Band 2 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)



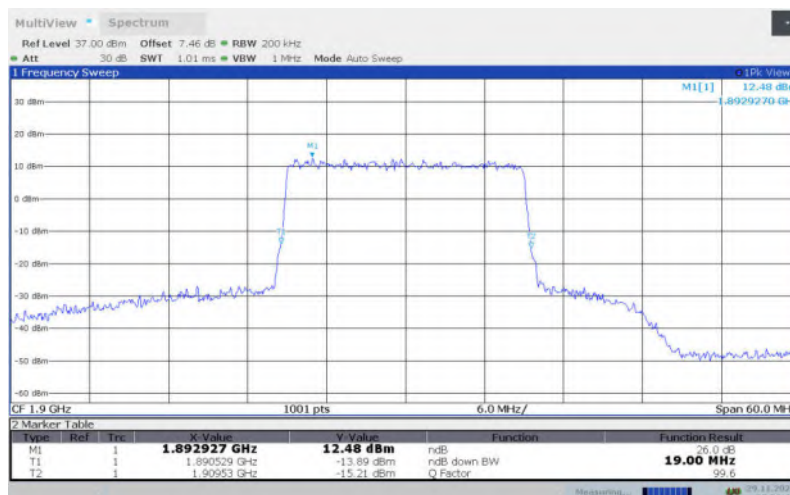
LTE Band 2 , 20MHz Bandwidth,MID,64QAM (-26dBc BW)



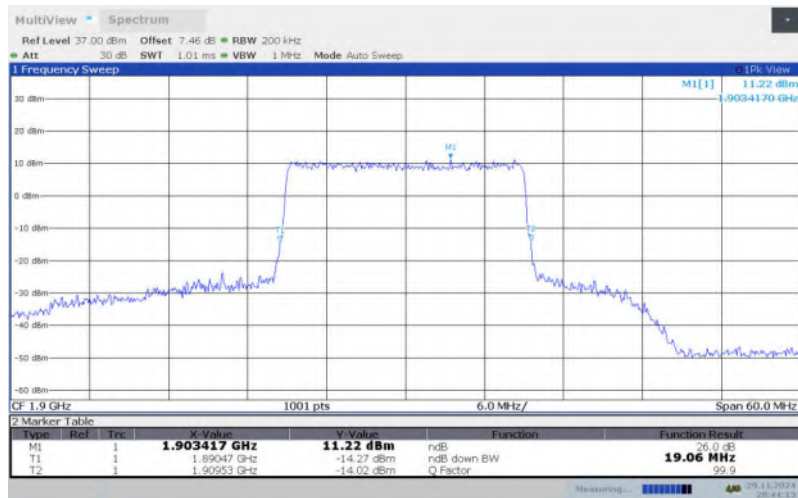
LTE Band 2 , 20MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 2 , 20MHz Bandwidth,HIGH,16QAM (-26dBc BW)



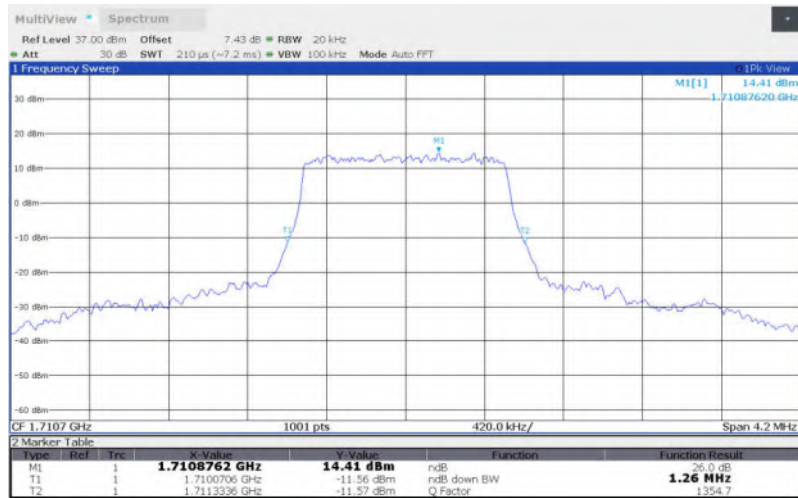
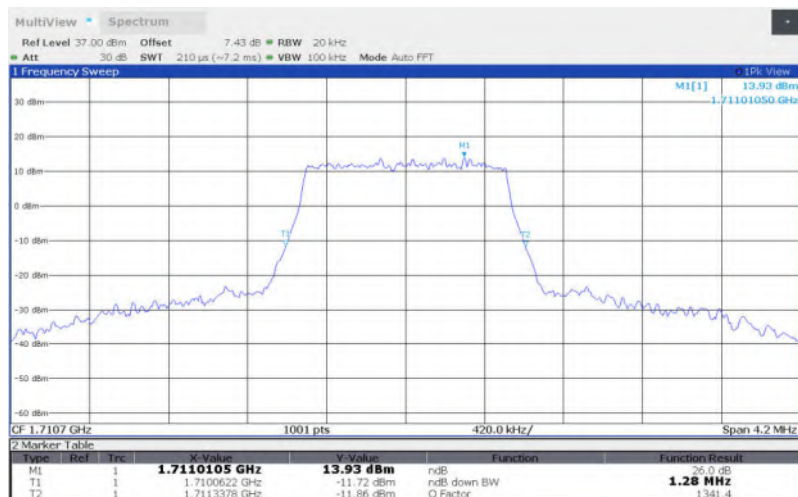
LTE Band 2 , 20MHz Bandwidth,HIGH,64QAM (-26dBc BW)

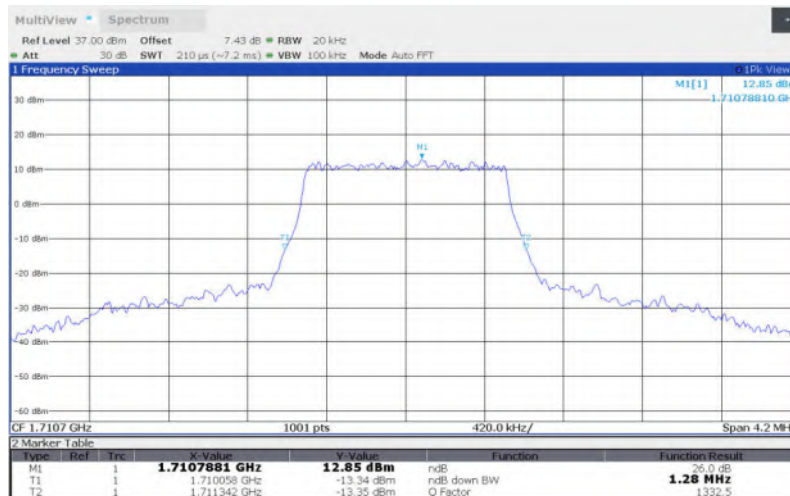




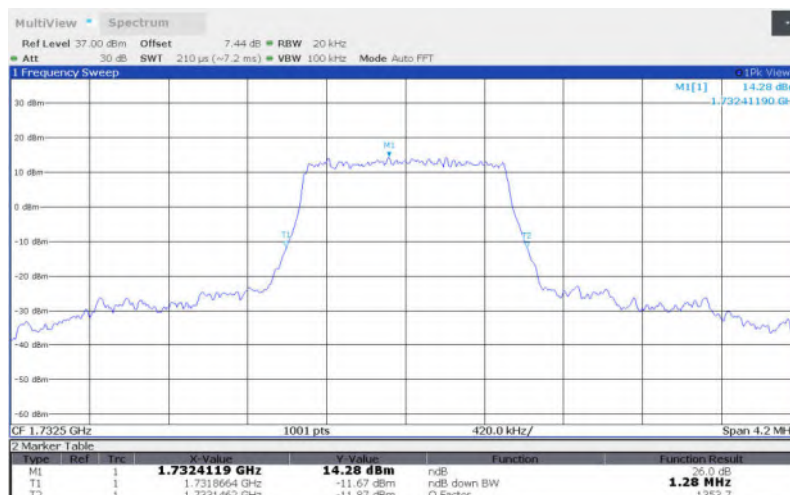
**LTE Band 4,1.4MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1710.7	1.263	1.276	1.284
1732.5	1.280	1.250	1.276
1754.3	1.271	1.271	1.267

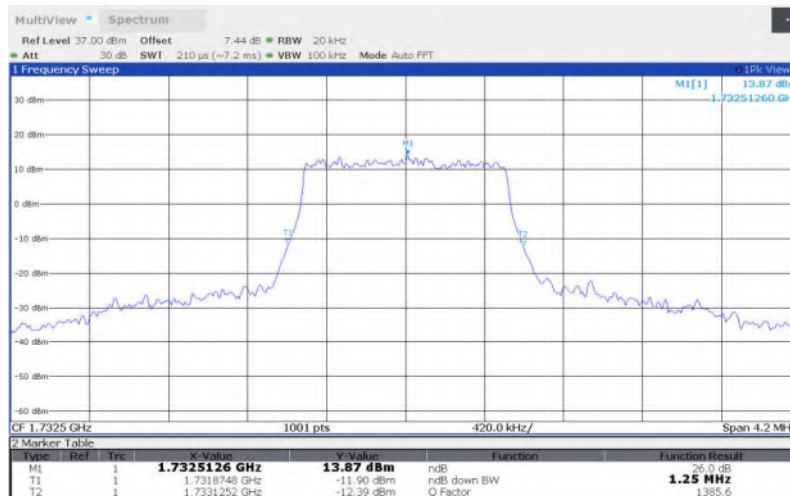
**LTE Band 4 , 1.4MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 4 , 1.4MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 4 , 1.4MHz Bandwidth,LOW,64QAM (-26dBc BW)**



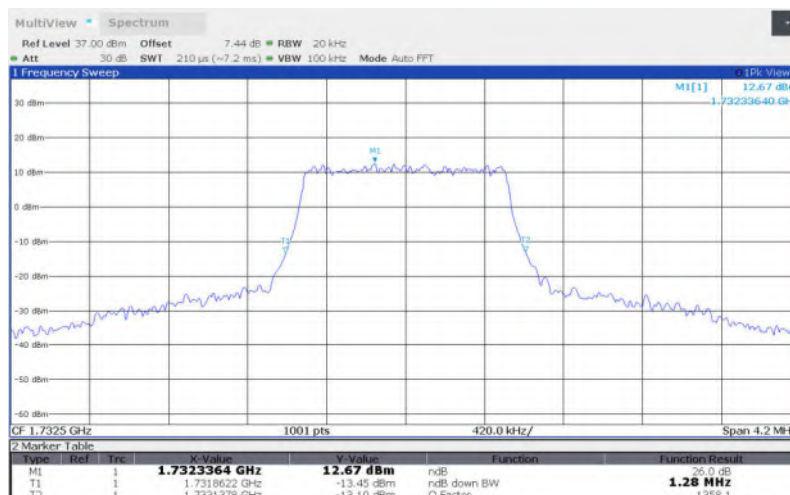
LTE Band 4 , 1.4MHz Bandwidth,MID,QPSK (-26dBc BW)



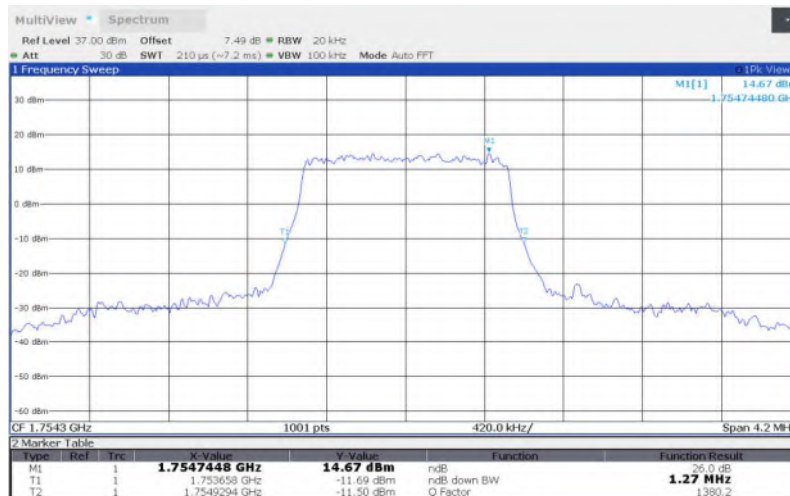
LTE Band 4 , 1.4MHz Bandwidth,MID,16QAM (-26dBc BW)



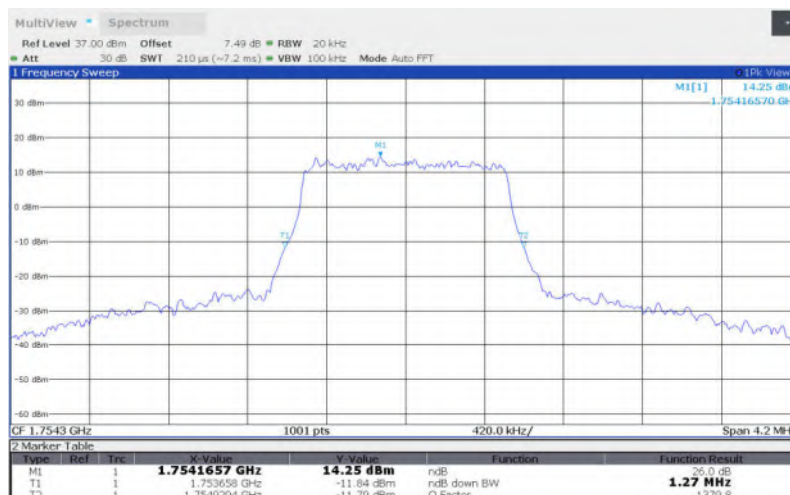
LTE Band 4 , 1.4MHz Bandwidth,MID,64QAM (-26dBc BW)



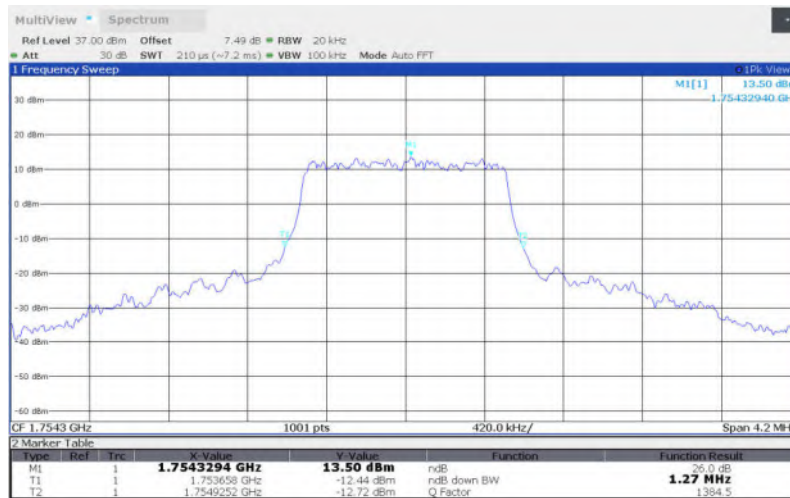
LTE Band 4 , 1.4MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 4 , 1.4MHz Bandwidth,HIGH,16QAM (-26dBc BW)



LTE Band 4 , 1.4MHz Bandwidth,HIGH,64QAM (-26dBc BW)

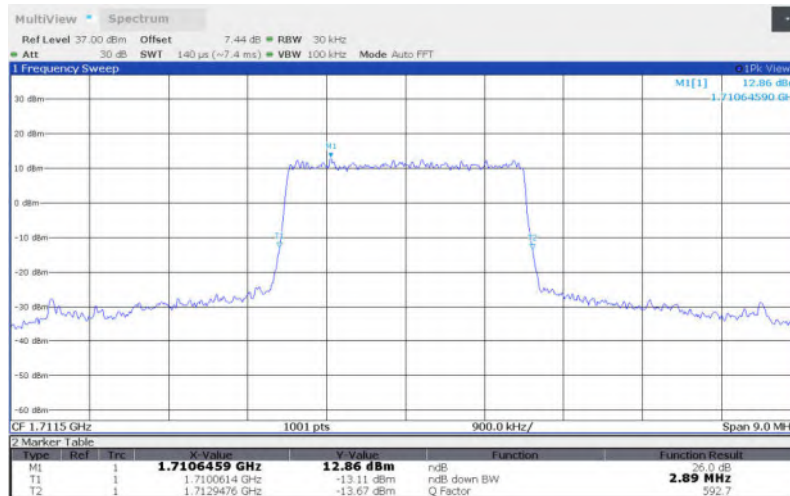




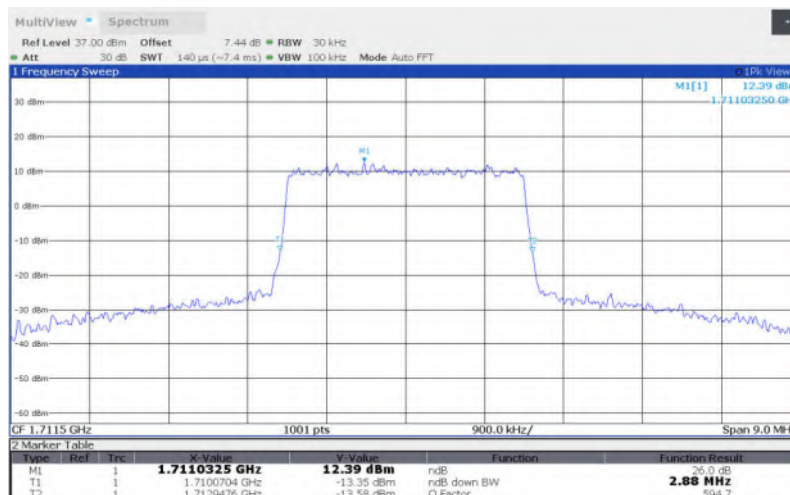
**LTE Band 4,3MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1711.5	2.886	2.877	2.877
1732.5	2.877	2.877	2.859
1753.5	2.868	2.868	2.877

**LTE Band 4 , 3MHz Bandwidth,LOW,QPSK (-26dBc BW)**

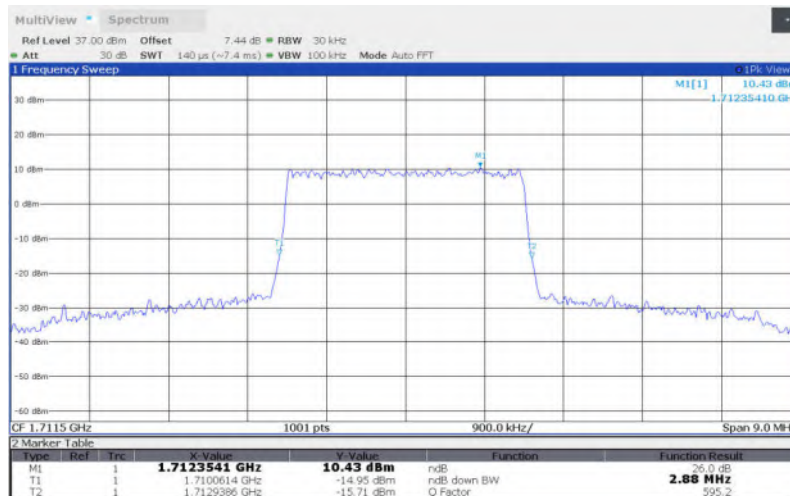


**LTE Band 4 , 3MHz Bandwidth,LOW,16QAM (-26dBc BW)**

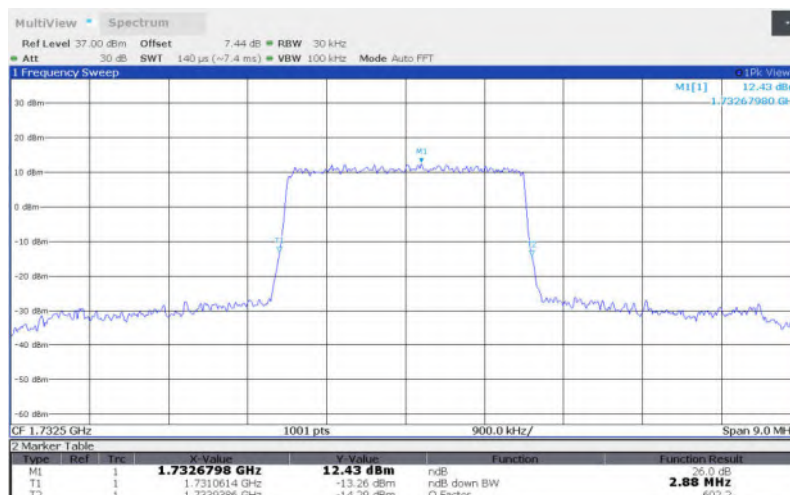


**LTE Band 4 , 3MHz Bandwidth,LOW,64QAM (-26dBc BW)**

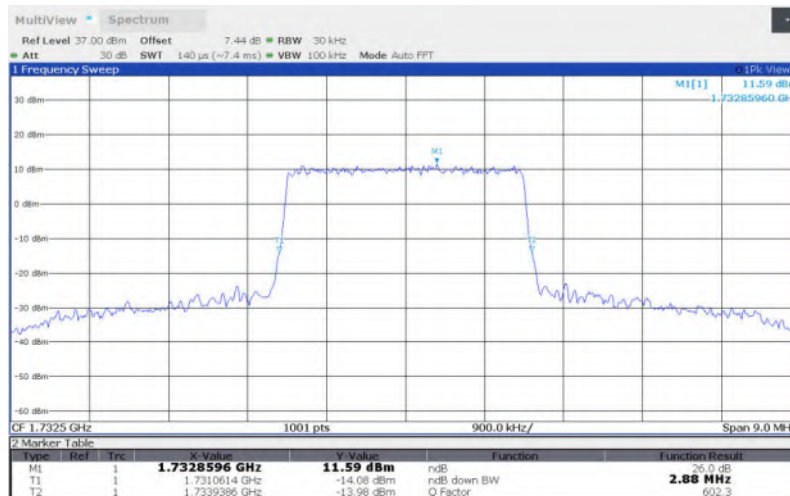




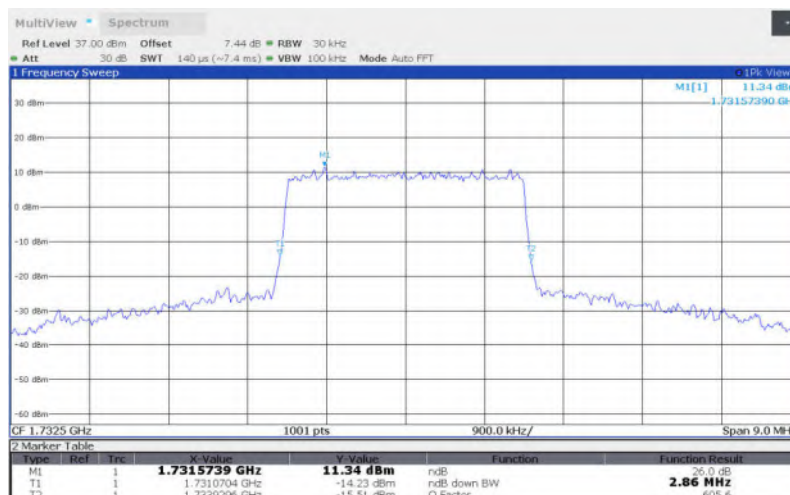
LTE Band 4 , 3MHz Bandwidth,MID,QPSK (-26dBc BW)



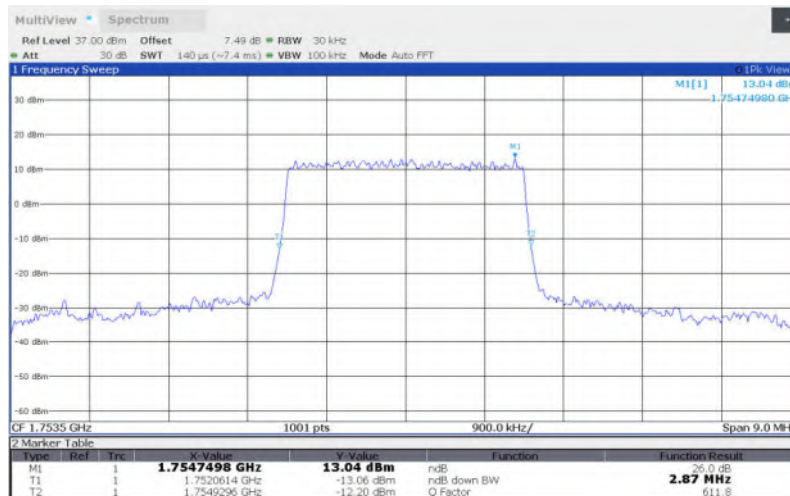
LTE Band 4 , 3MHz Bandwidth,MID,16QAM (-26dBc BW)



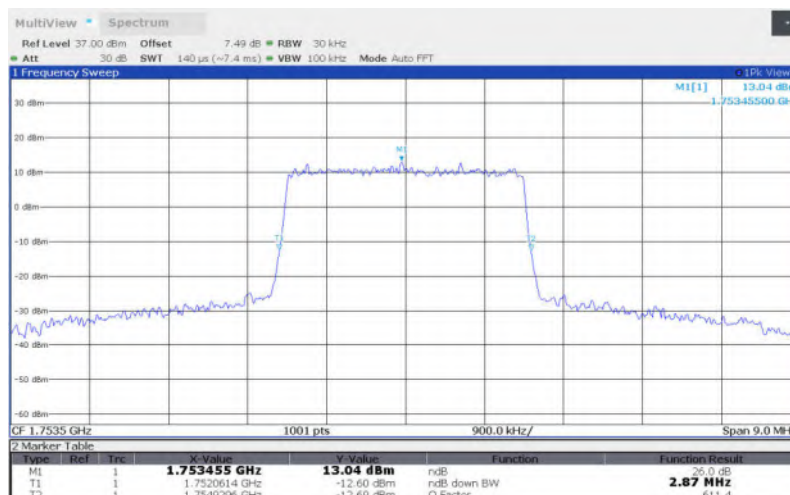
LTE Band 4 , 3MHz Bandwidth,MID,64QAM (-26dBc BW)



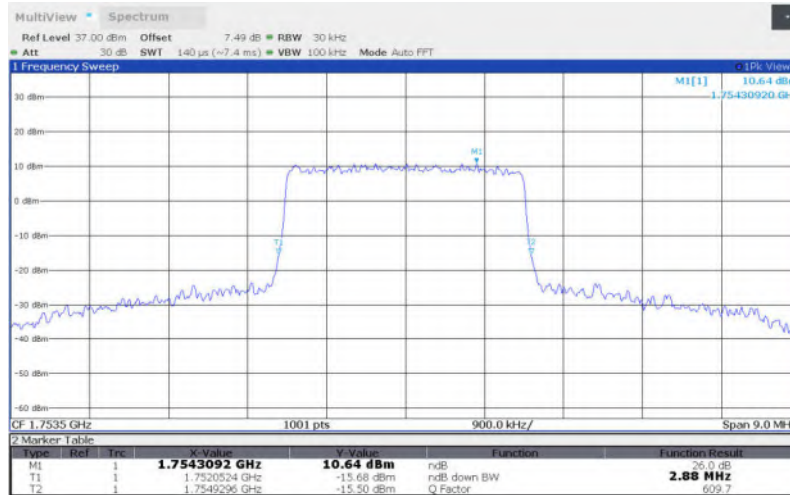
LTE Band 4 , 3MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 4 , 3MHz Bandwidth,HIGH,16QAM (-26dBc BW)



LTE Band 4 , 3MHz Bandwidth,HIGH,64QAM (-26dBc BW)

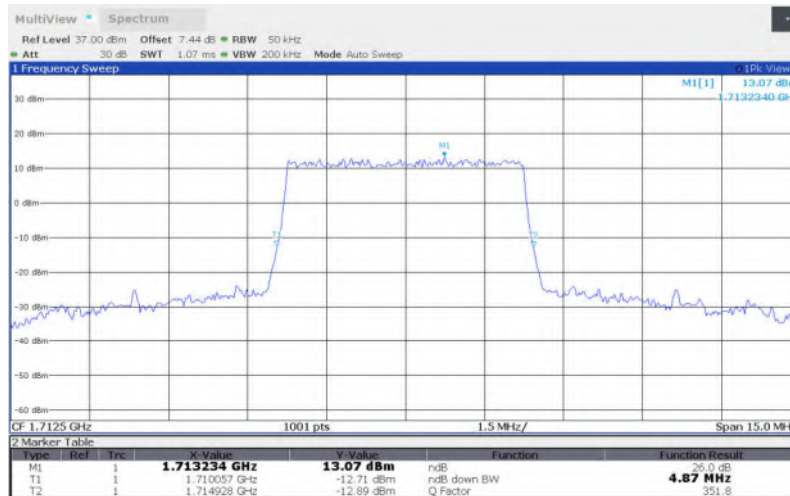




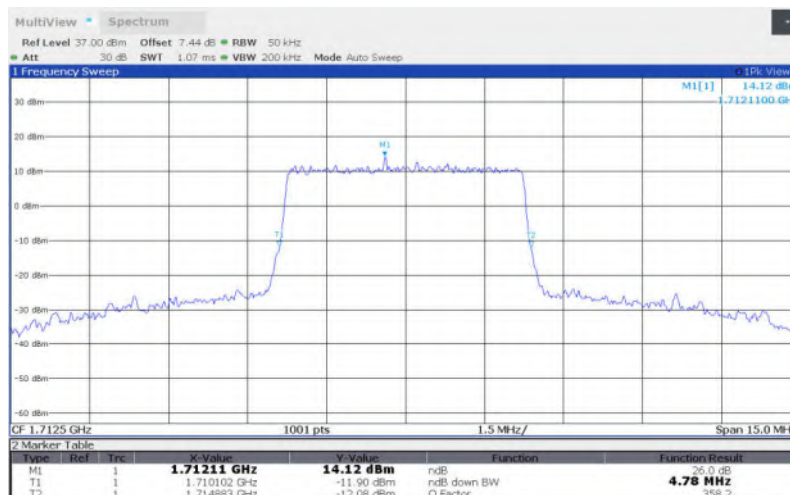
**LTE Band 4,5MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1712.5	4.870	4.780	4.840
1732.5	4.855	4.870	4.885
1752.5	4.840	4.870	4.825

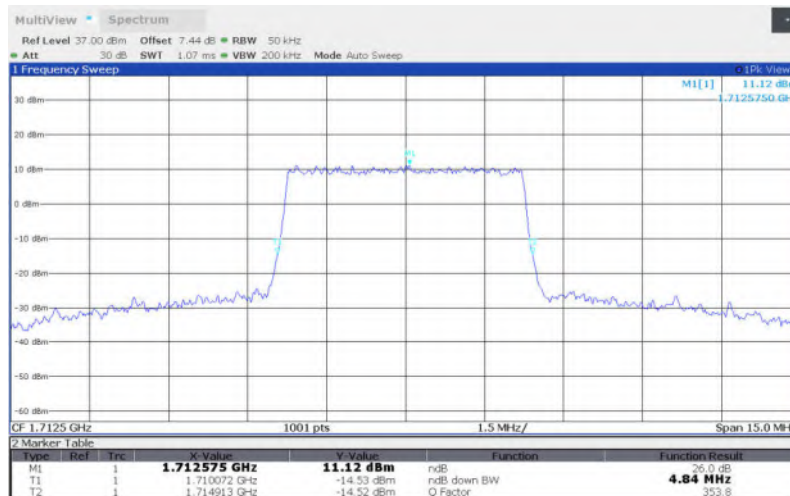
**LTE Band 4 , 5MHz Bandwidth,LOW,QPSK (-26dBc BW)**



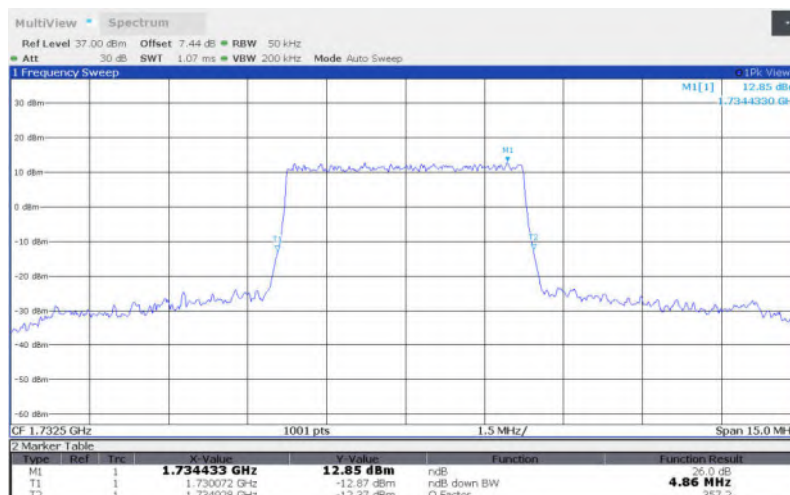
**LTE Band 4 , 5MHz Bandwidth,LOW,16QAM (-26dBc BW)**



**LTE Band 4 , 5MHz Bandwidth,LOW,64QAM (-26dBc BW)**

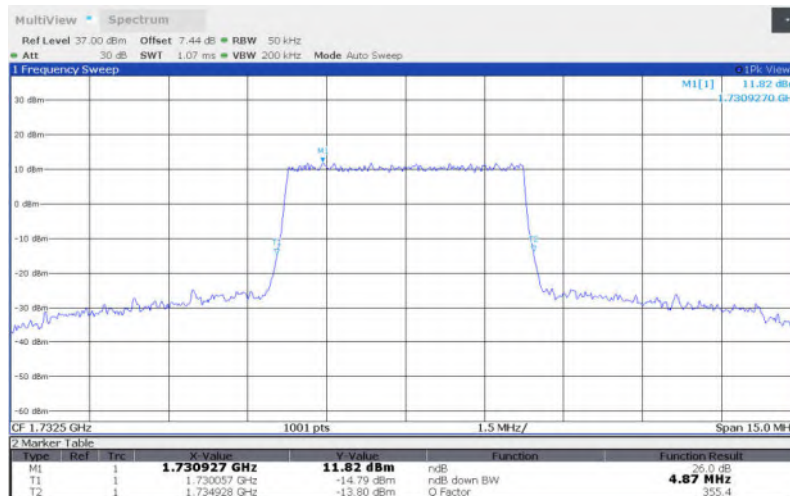


LTE Band 4 , 5MHz Bandwidth,MID,QPSK (-26dBc BW)

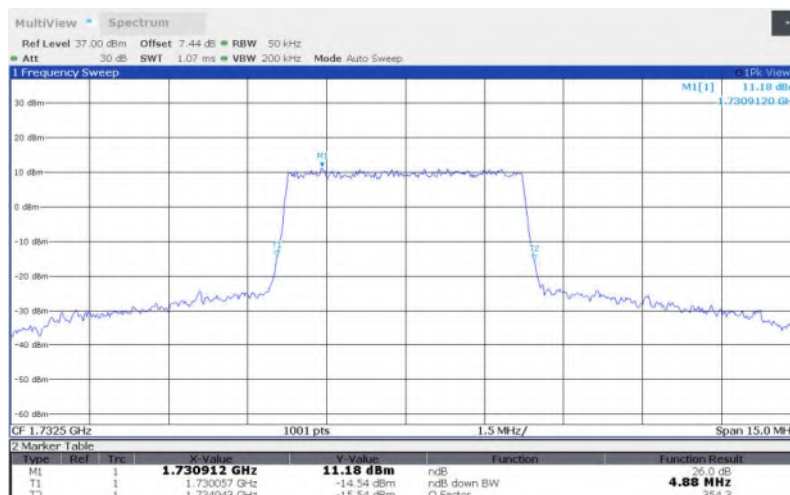


LTE Band 4 , 5MHz Bandwidth,MID,16QAM (-26dBc BW)

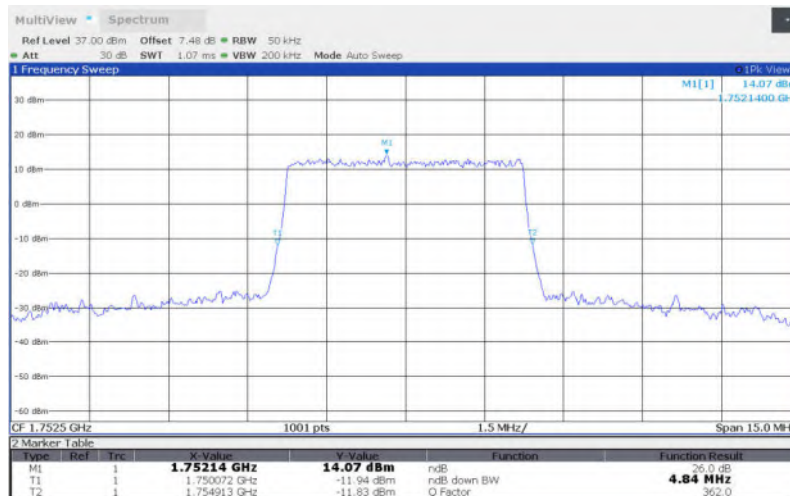




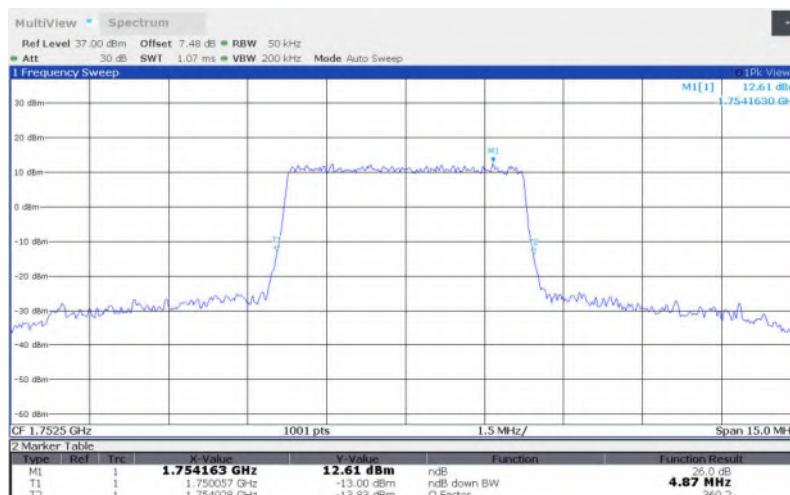
LTE Band 4 , 5MHz Bandwidth,MID,64QAM (-26dBc BW)



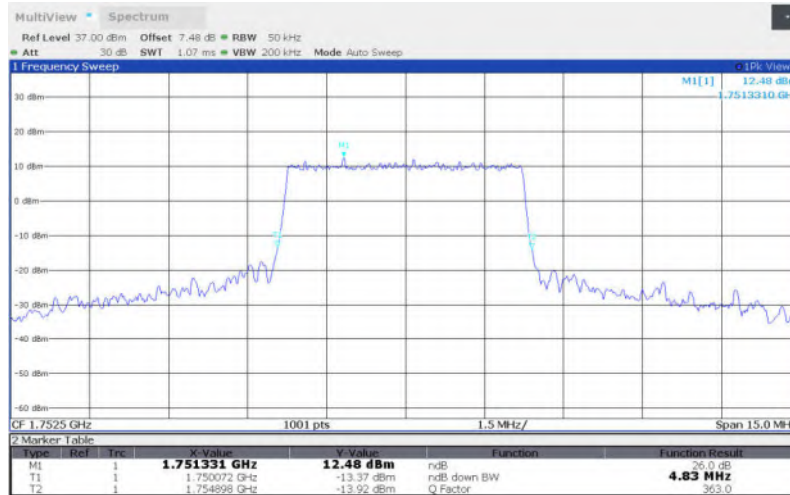
LTE Band 4 , 5MHz Bandwidth,HIGH,QPSK (-26dBc BW)



LTE Band 4 , 5MHz Bandwidth,HIGH,16QAM (-26dBc BW)

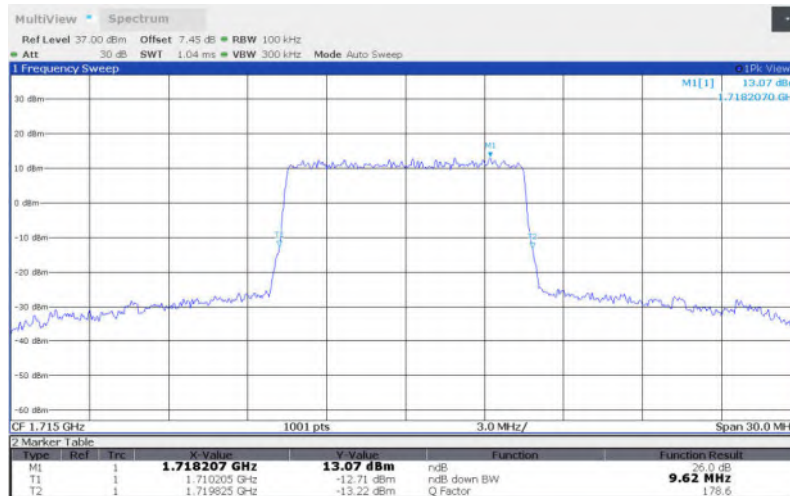
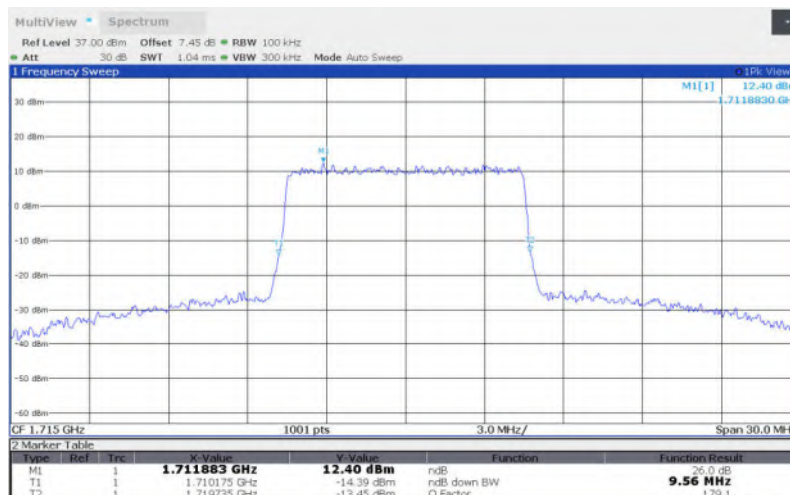


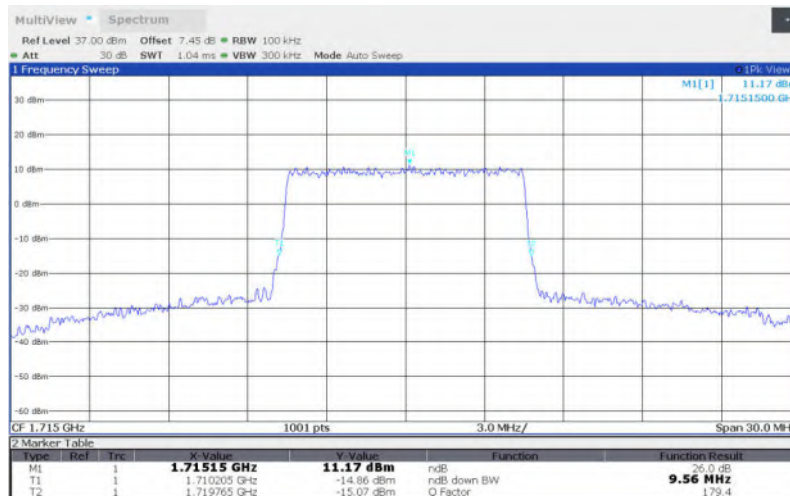
LTE Band 4 , 5MHz Bandwidth,HIGH,64QAM (-26dBc BW)



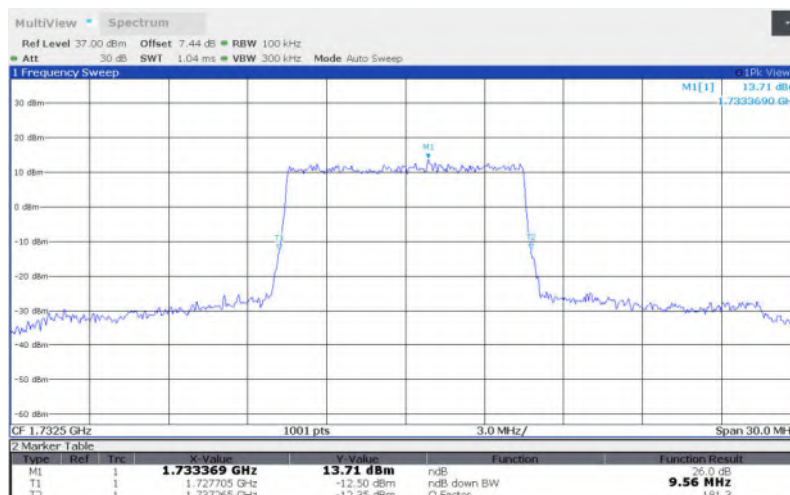
**LTE Band 4,10MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1715	9.620	9.560	9.560
1732.5	9.560	9.560	9.650
1750	9.650	9.620	9.620

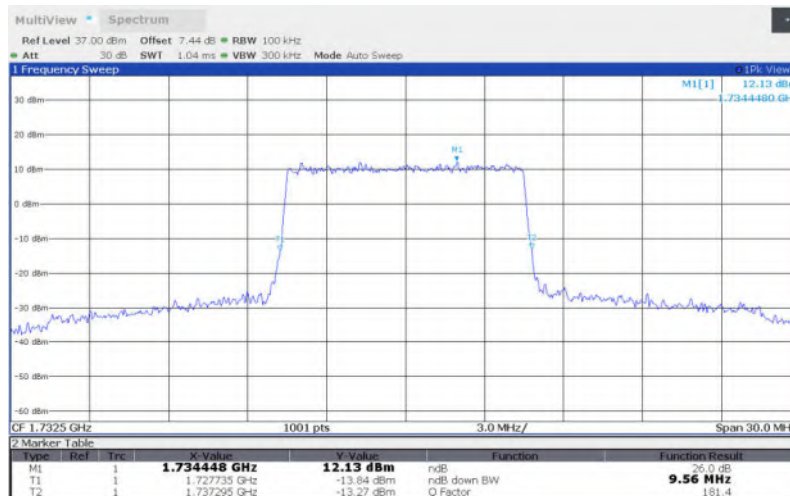
**LTE Band 4 , 10MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 4 , 10MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 4 , 10MHz Bandwidth,LOW,64QAM (-26dBc BW)**



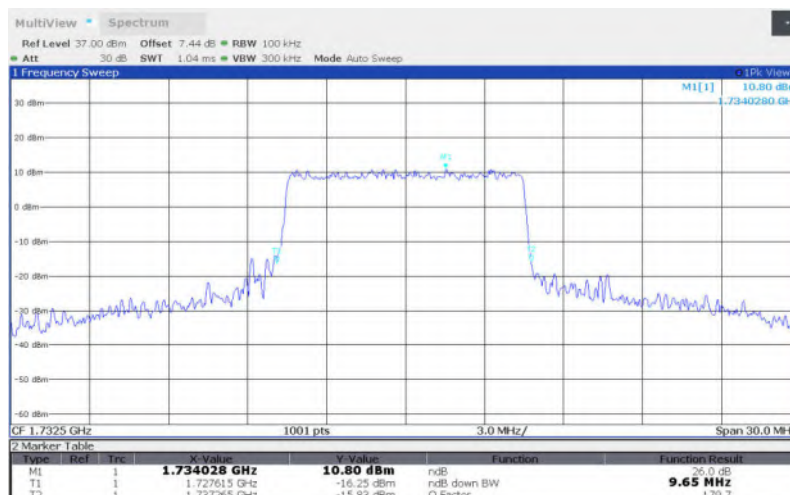
LTE Band 4 , 10MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE Band 4 , 10MHz Bandwidth,MID,16QAM (-26dBc BW)

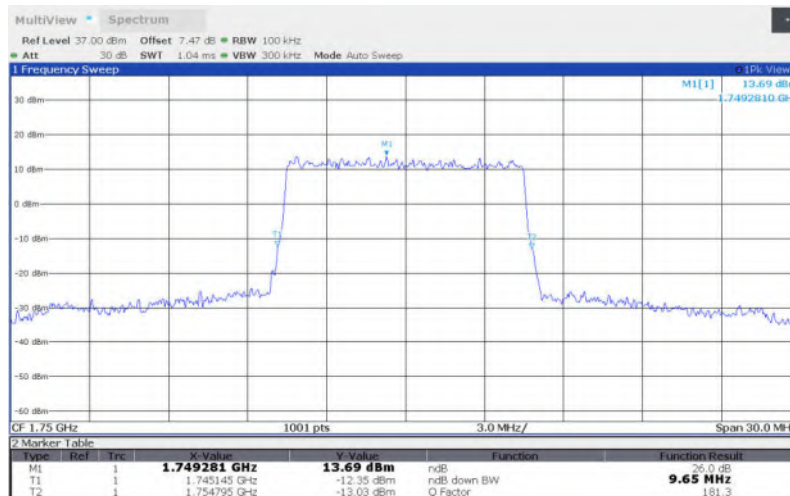


LTE Band 4 , 10MHz Bandwidth,MID,64QAM (-26dBc BW)

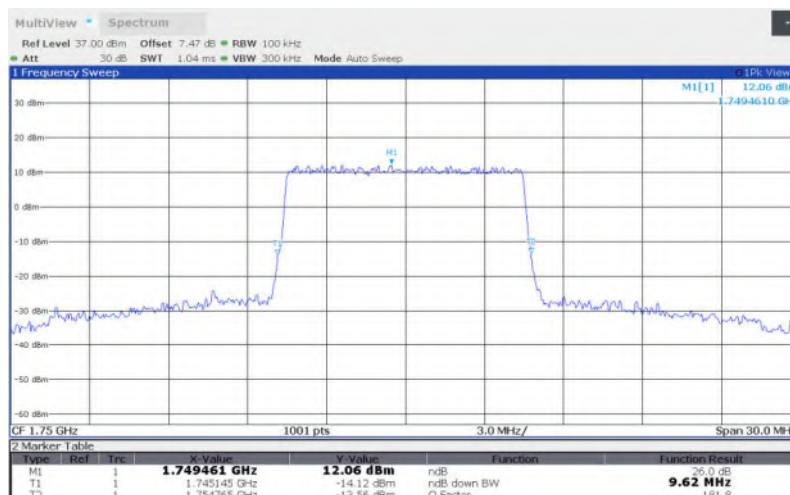


LTE Band 4 , 10MHz Bandwidth,HIGH,QPSK (-26dBc BW)

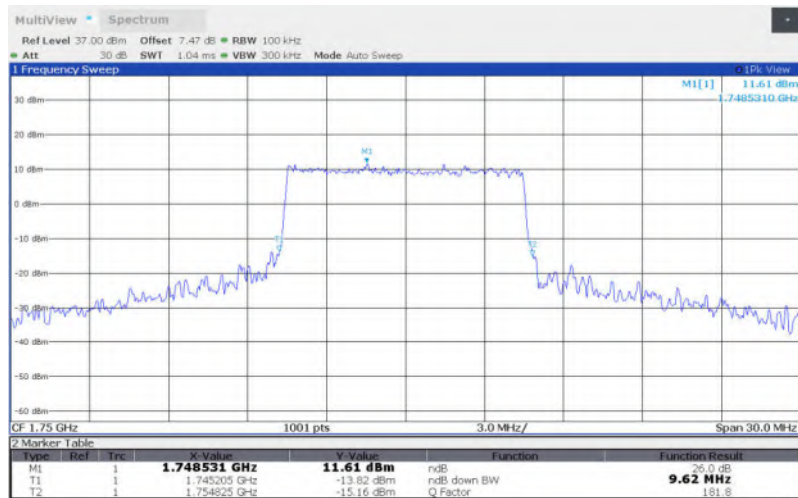




LTE Band 4 , 10MHz Bandwidth,HIGH,16QAM (-26dBc BW)



LTE Band 4 , 10MHz Bandwidth,HIGH,64QAM (-26dBc BW)

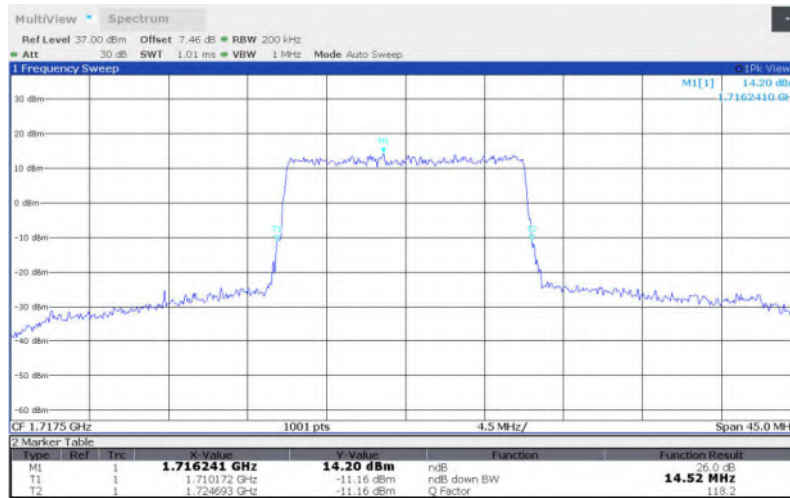




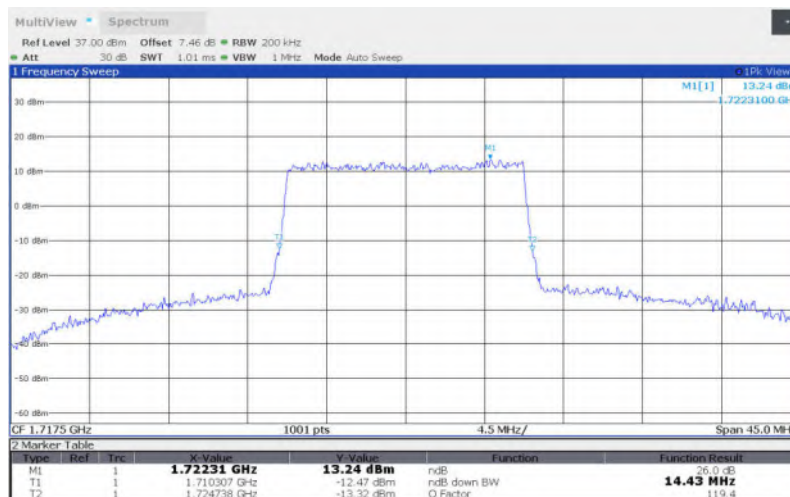
**LTE Band 4,15MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1717.5	14.520	14.431	14.476
1732.5	14.386	14.431	14.431
1747.5	14.341	14.476	14.476

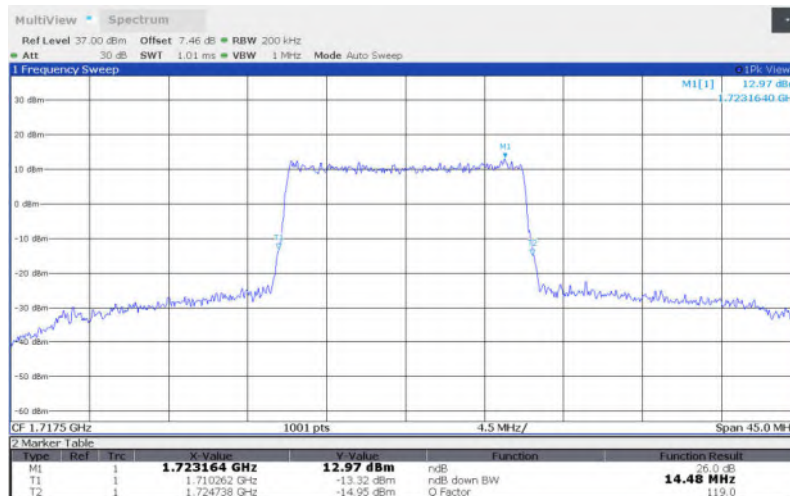
**LTE Band 4 , 15MHz Bandwidth,LOW,QPSK (-26dBc BW)**



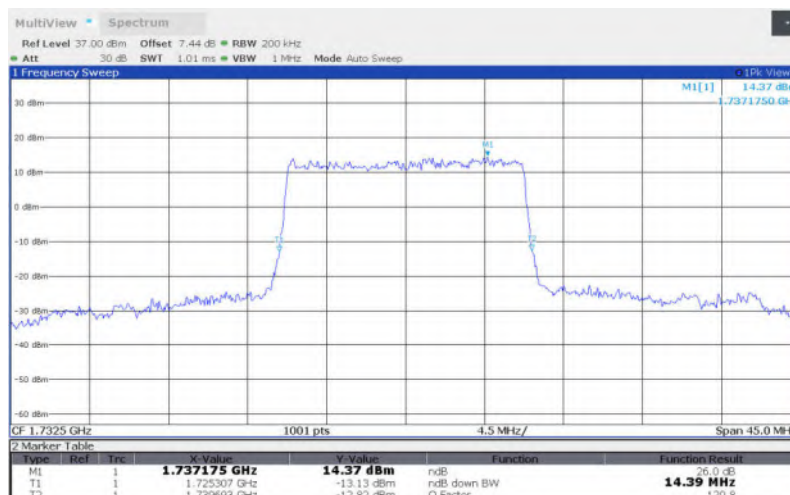
**LTE Band 4 , 15MHz Bandwidth,LOW,16QAM (-26dBc BW)**



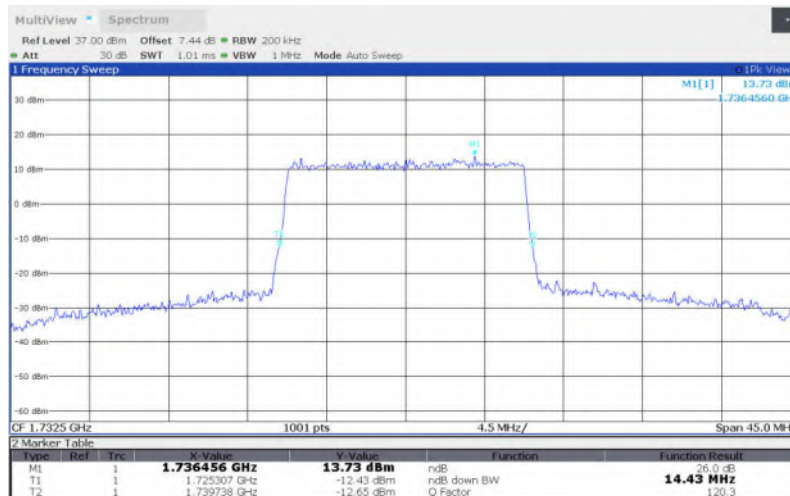
**LTE Band 4 , 15MHz Bandwidth,LOW,64QAM (-26dBc BW)**



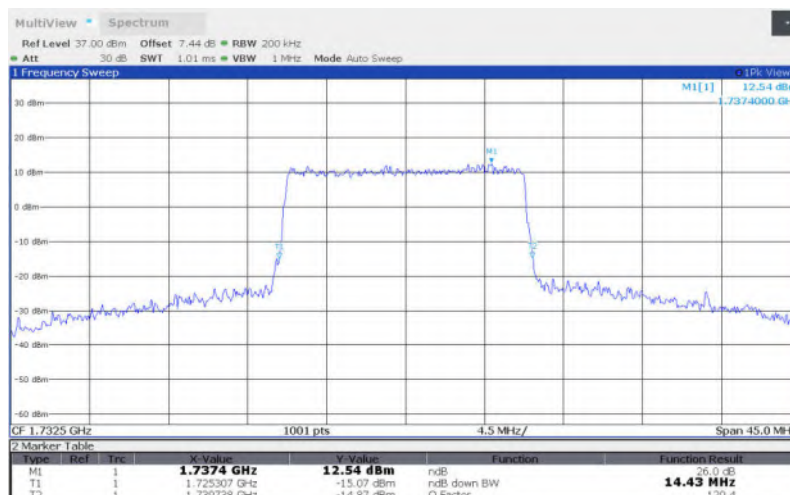
LTE Band 4 , 15MHz Bandwidth,MID,QPSK (-26dBc BW)



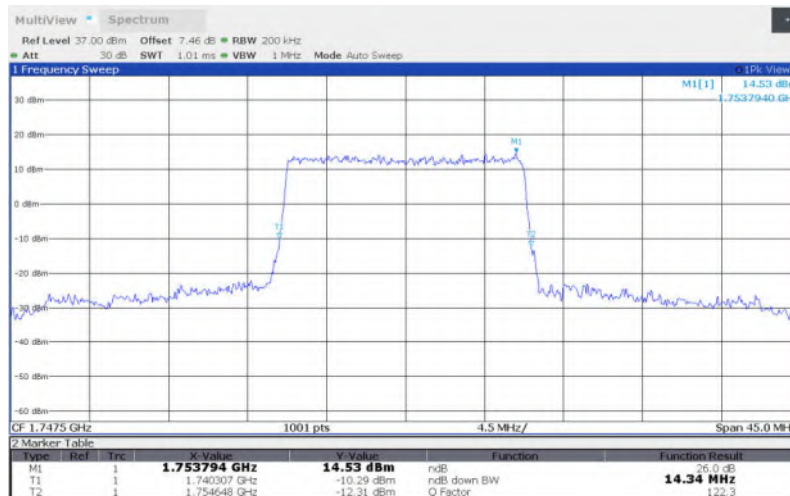
LTE Band 4 , 15MHz Bandwidth,MID,16QAM (-26dBc BW)



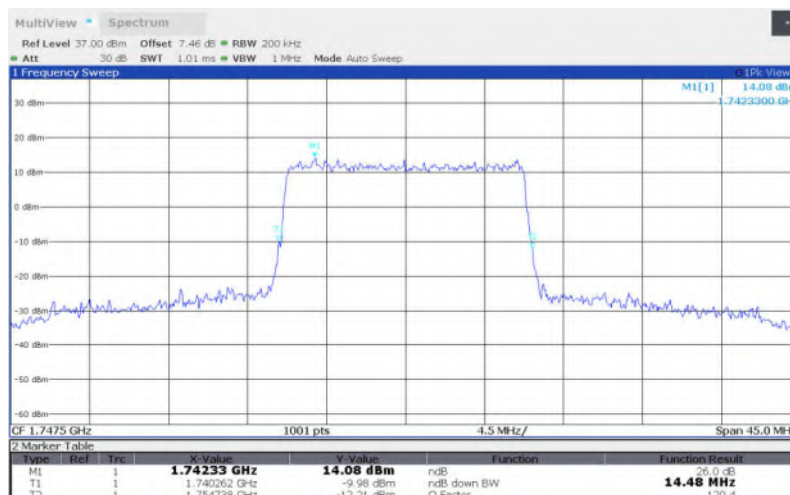
LTE Band 4 , 15MHz Bandwidth,MID,64QAM (-26dBc BW)



LTE Band 4 , 15MHz Bandwidth,HIGH,QPSK (-26dBc BW)

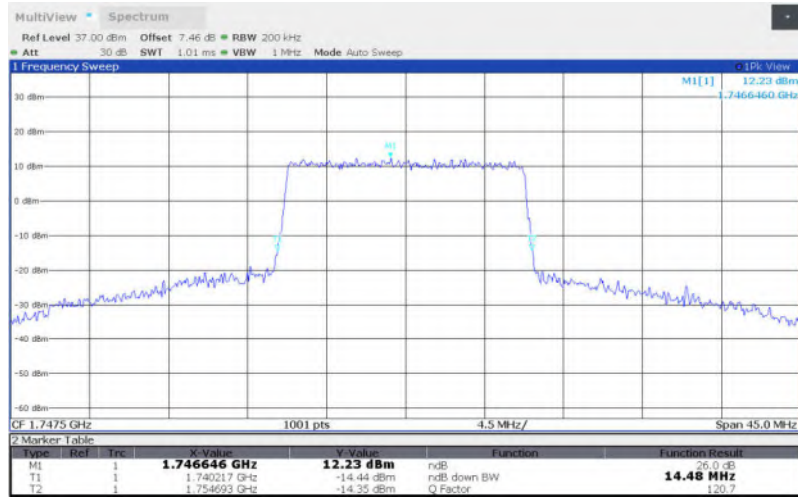


LTE Band 4 , 15MHz Bandwidth,HIGH,16QAM (-26dBc BW)



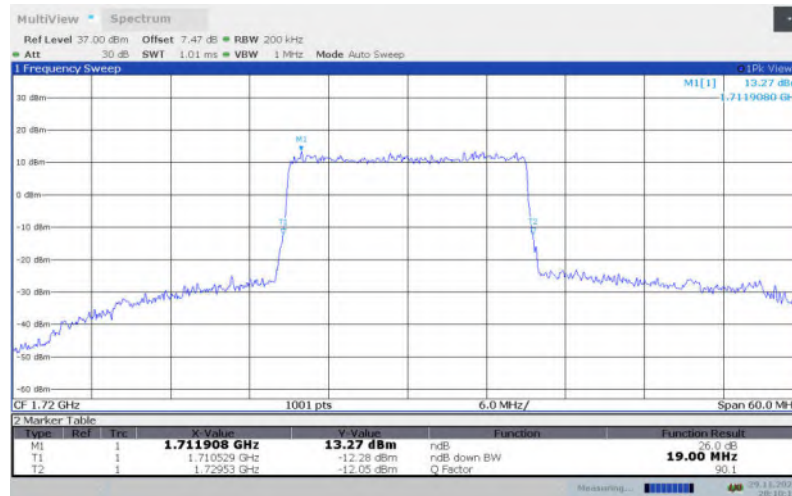
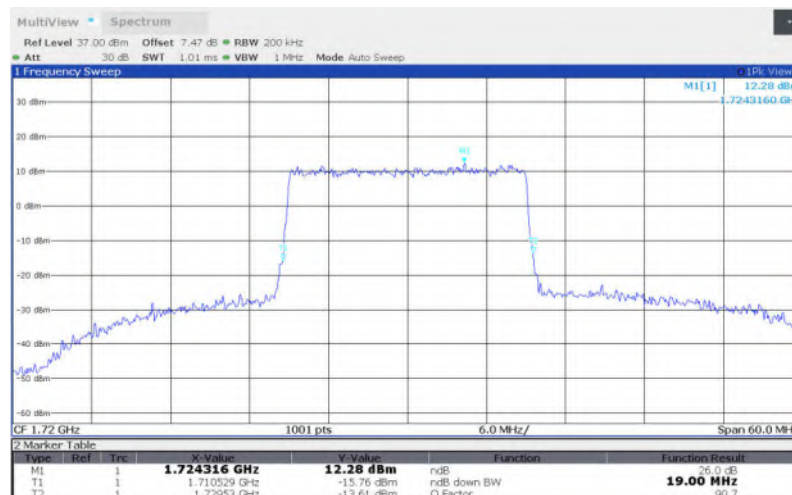
LTE Band 4 , 15MHz Bandwidth,HIGH,64QAM (-26dBc BW)

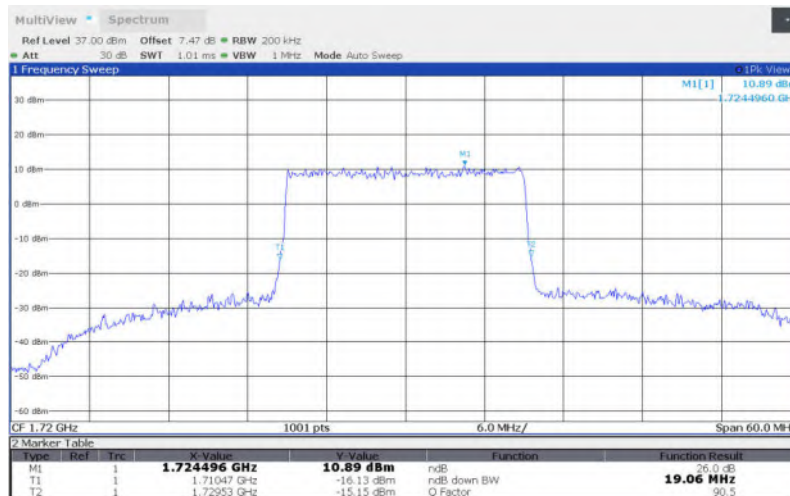




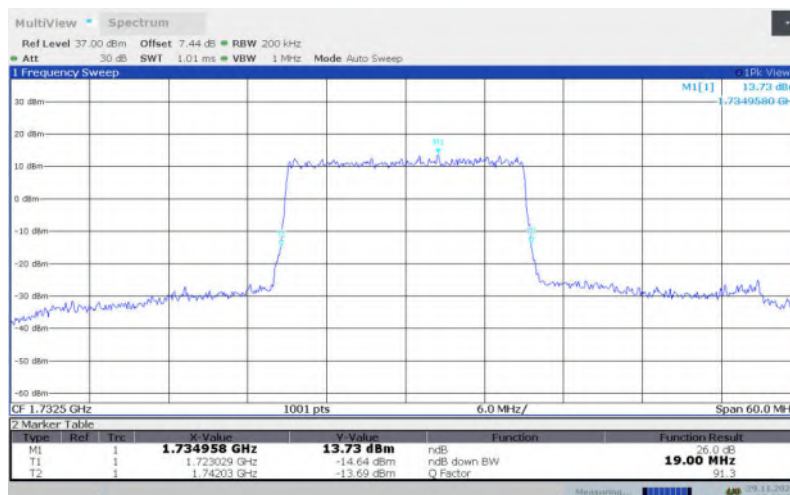
**LTE Band 4,20MHz(-26dBc BW)**

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(MHz)		
	QPSK	16QAM	64QAM
1720	19.001	19.001	19.061
1732.5	19.001	19.001	19.001
1745	19.001	19.121	19.061

**LTE Band 4 , 20MHz Bandwidth,LOW,QPSK (-26dBc BW)****LTE Band 4 , 20MHz Bandwidth,LOW,16QAM (-26dBc BW)****LTE Band 4 , 20MHz Bandwidth,LOW,64QAM (-26dBc BW)**



LTE Band 4 , 20MHz Bandwidth,MID,QPSK (-26dBc BW)



LTE Band 4 , 20MHz Bandwidth,MID,16QAM (-26dBc BW)