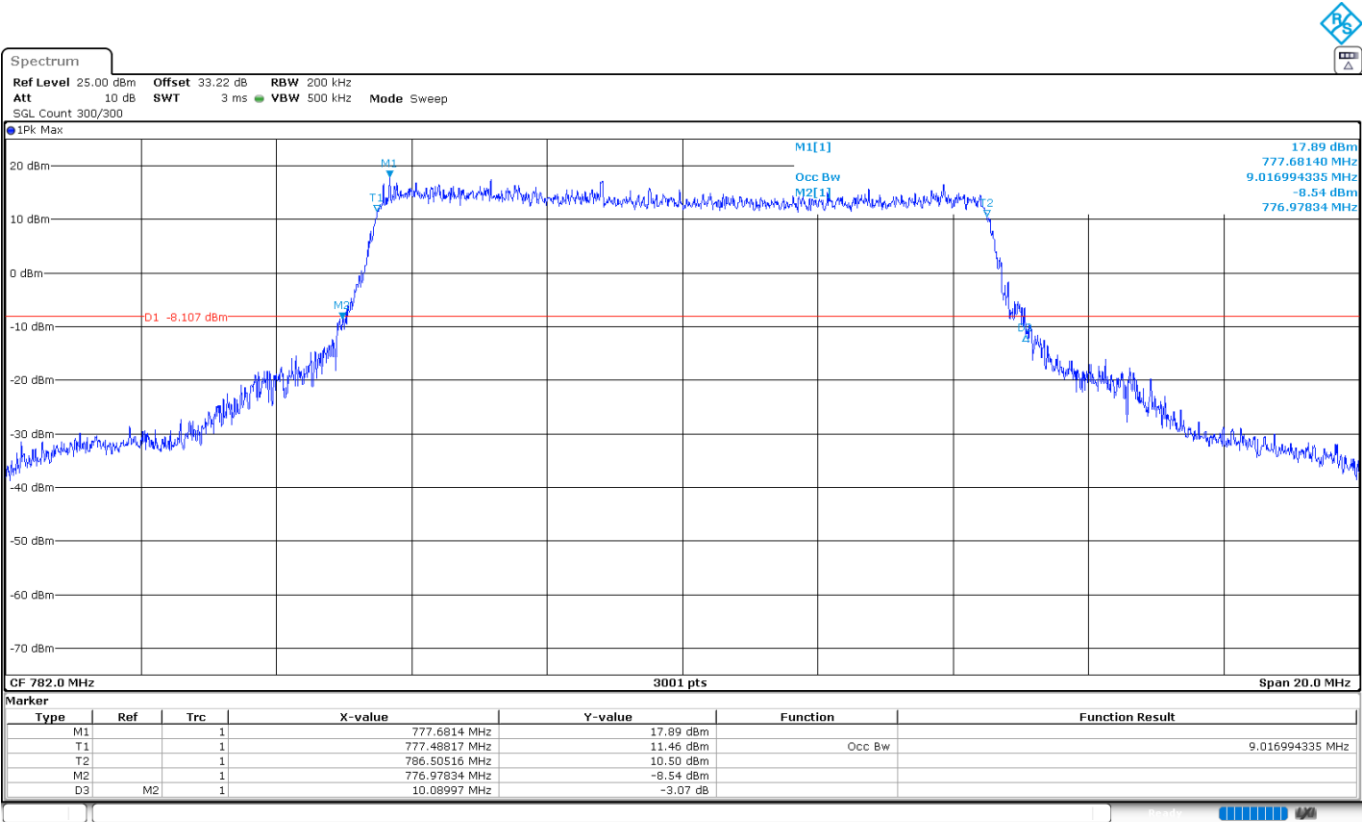


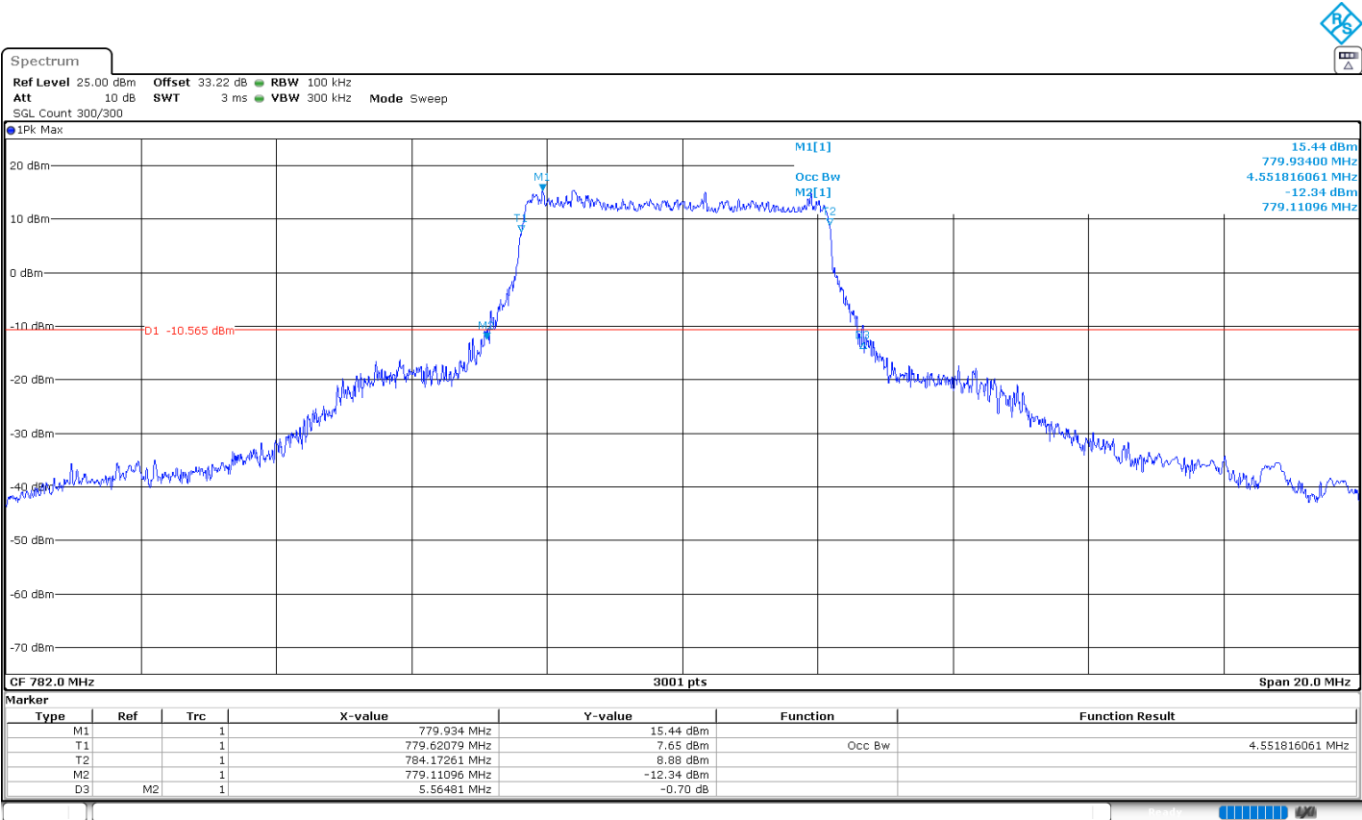
LTE Cat 1bis Band 13. BW=10 MHz. QPSK. RB Size 6.

Middle Channel:



LTE Cat 1bis Band 13. BW=10 MHz. 16QAM. RB Size 5.

Middle Channel:



LTE Cat 1bis Band 41:

LTE Cat 1bis Band 41. BW=5 MHz. QPSK. RB Size 6.

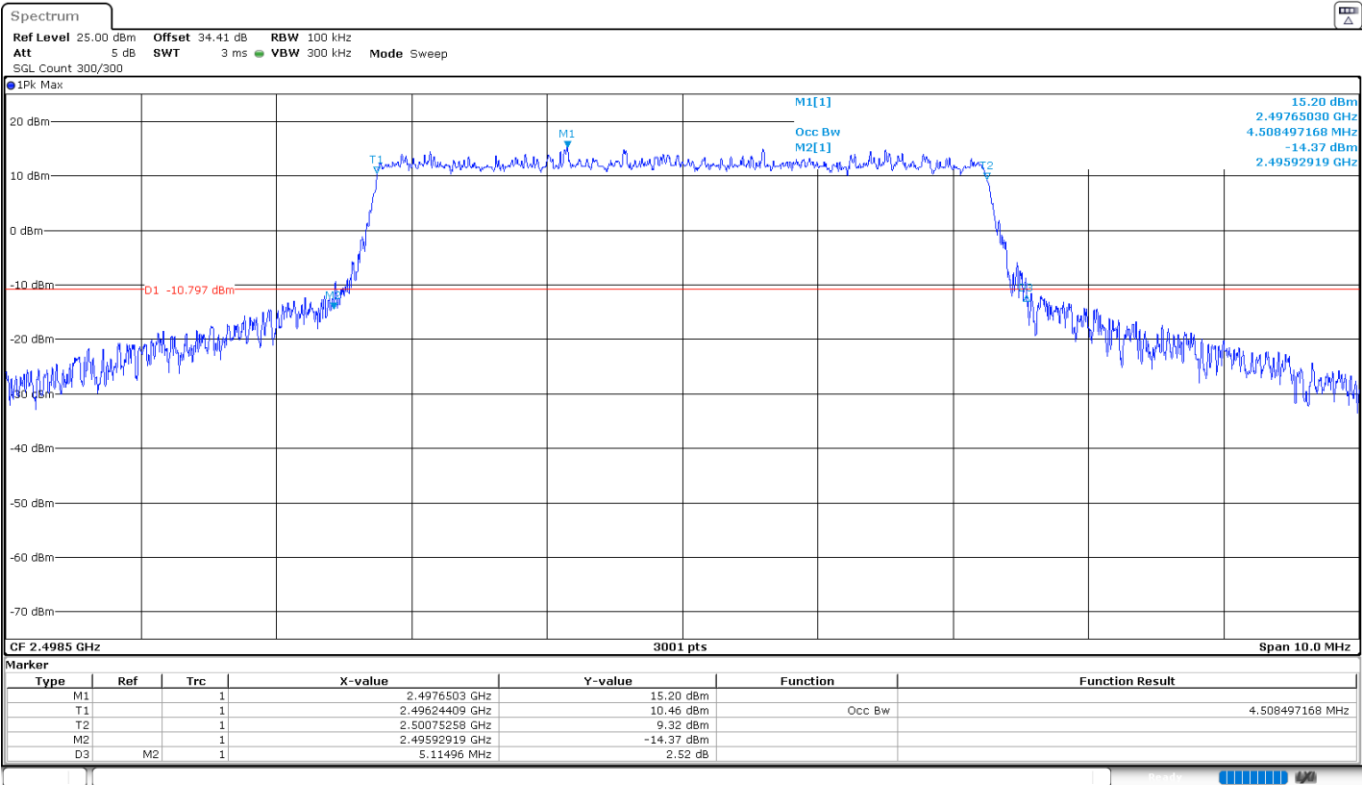
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	4.508497168	4.505164945	4.481839387	4.508497168
-26 dBc Bandwidth (MHz)	5.114960000	5.111630000	5.041650000	5.054980000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=5 MHz. 16QAM. RB Size 5.

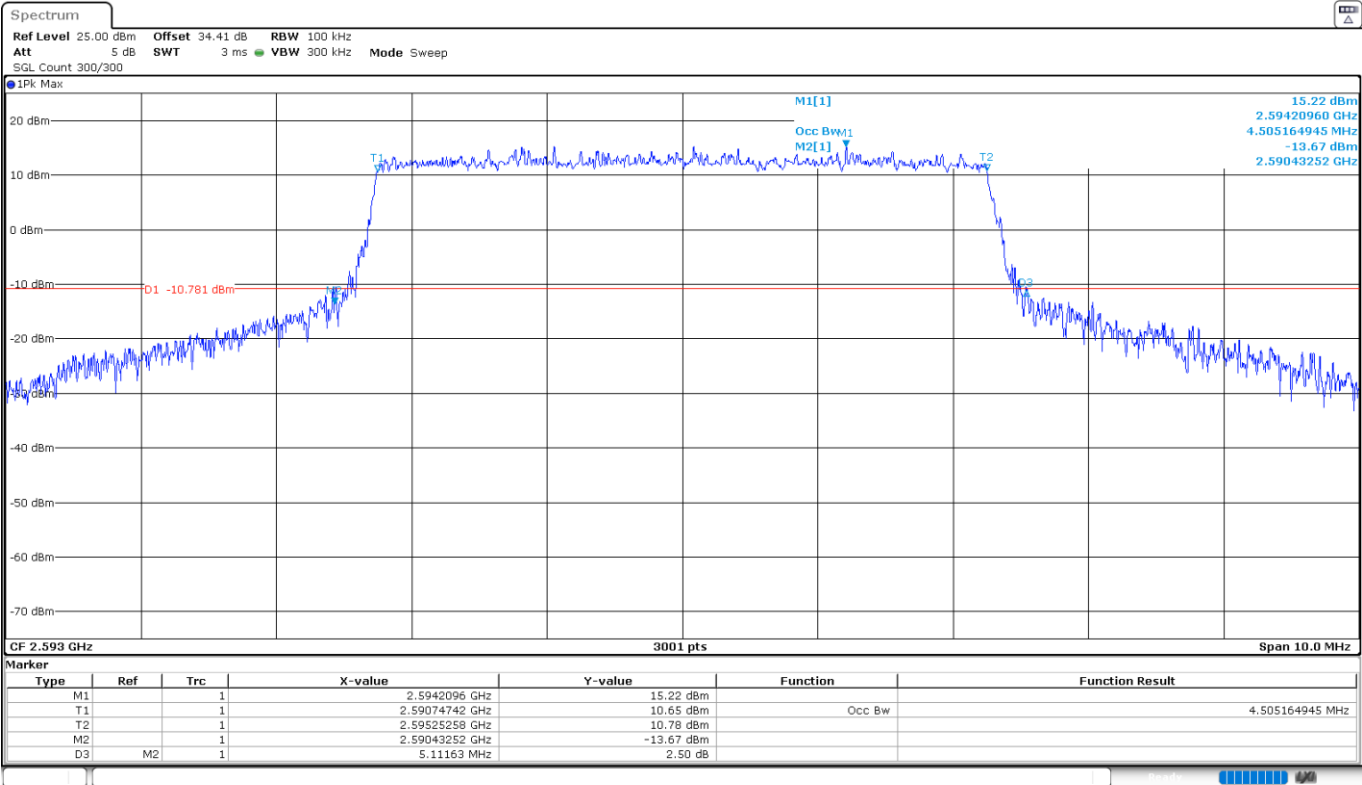
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	4.49516827700	4.49183836055	4.49850050000	4.50183272200
-26 dBc Bandwidth (MHz)	5.08497000000	5.01500000000	5.05165000000	5.12163000000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=5 MHz. QPSK. RB Size 6.

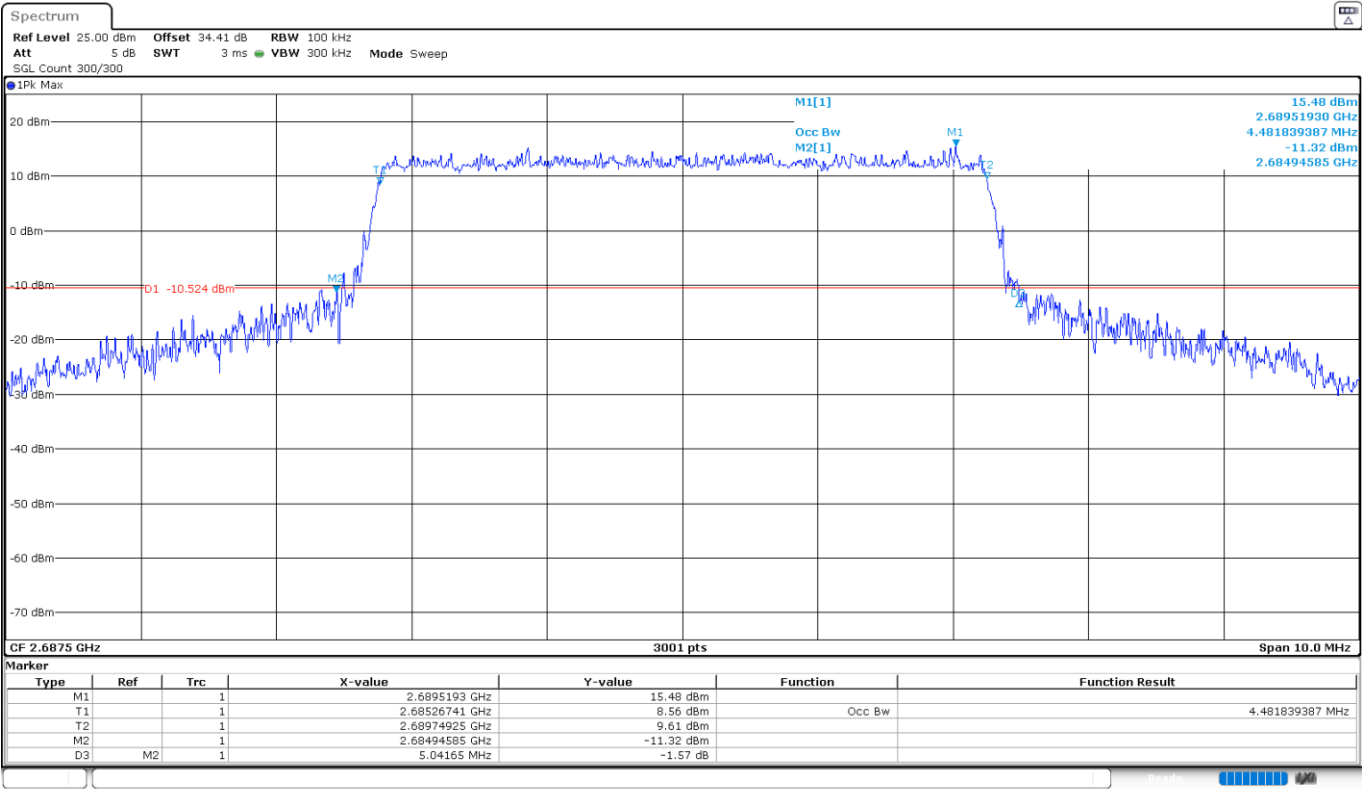
Low USA Channel:



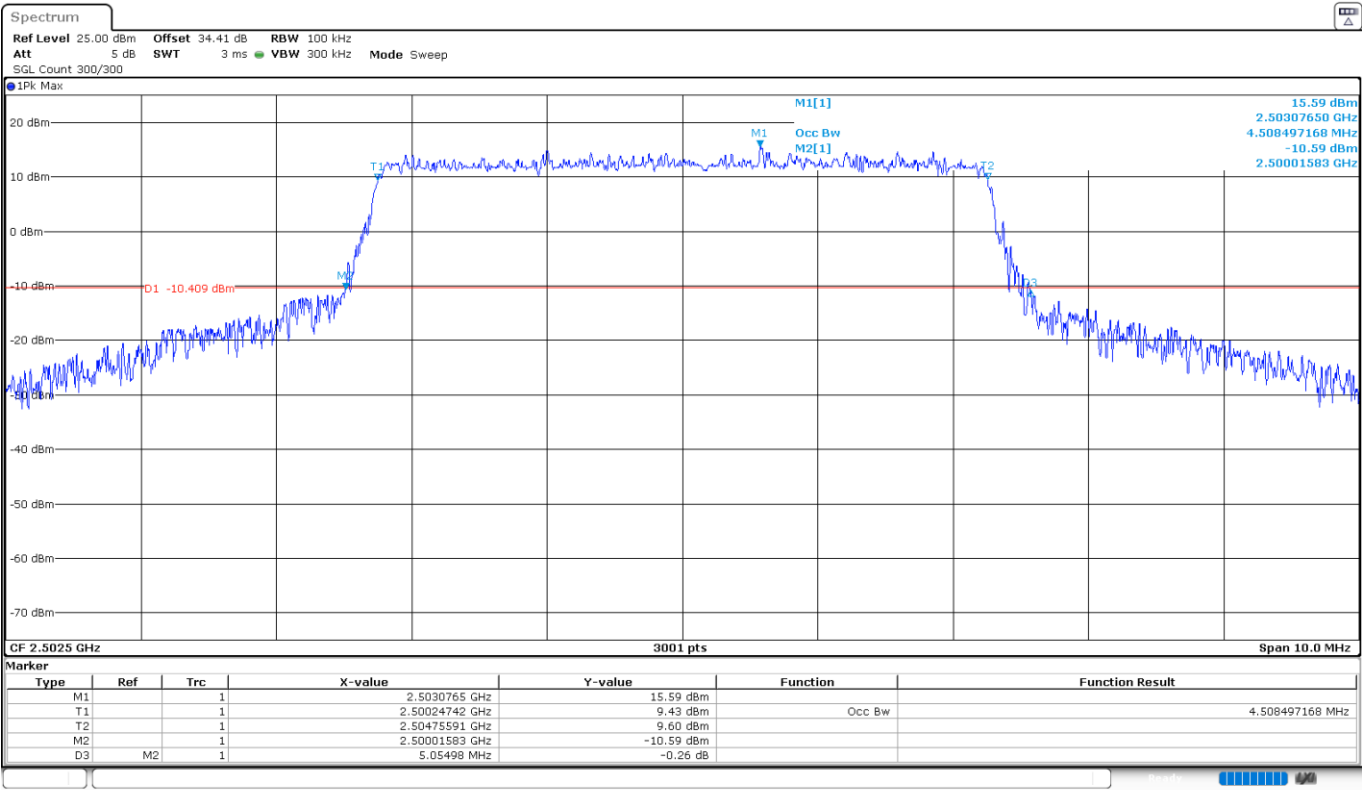
Middle Channel:



High Channel:

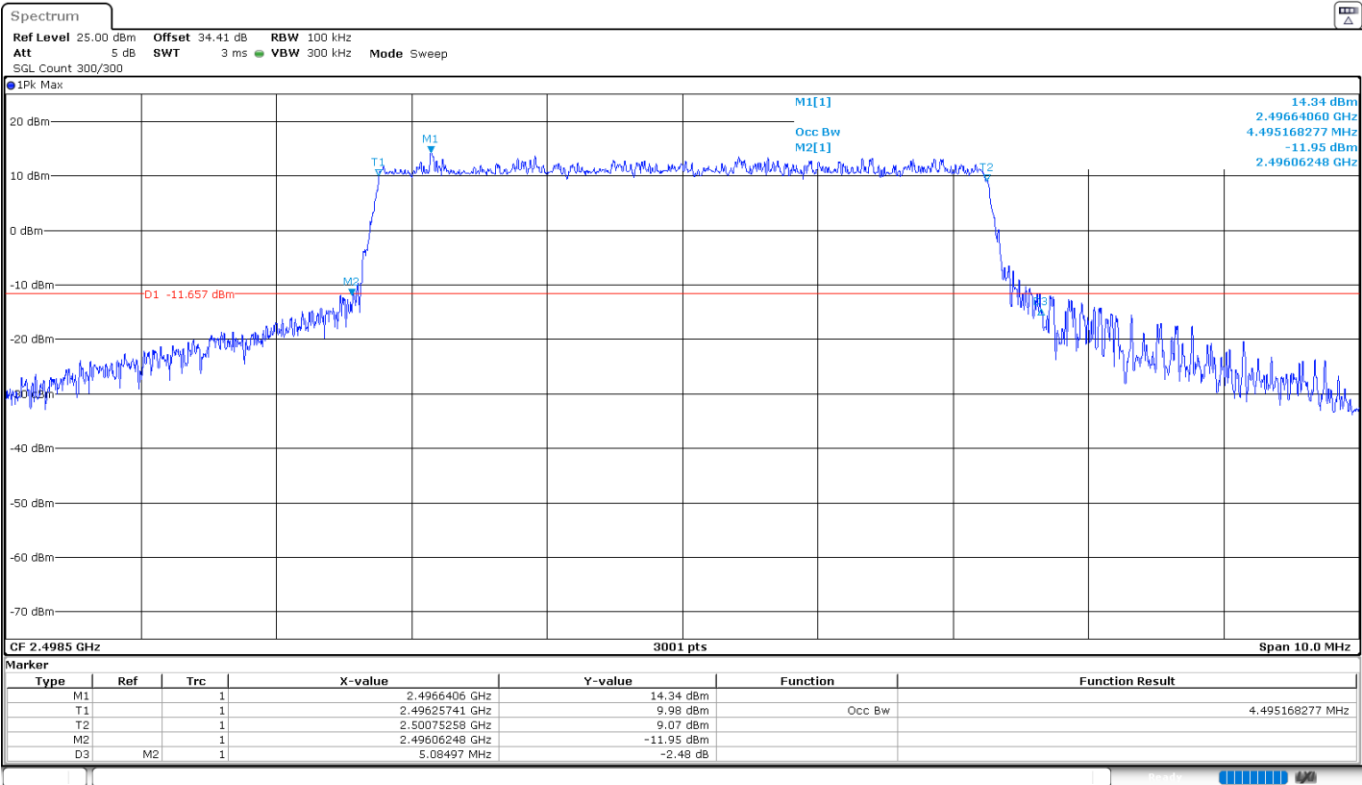


Low CANADA Channel:

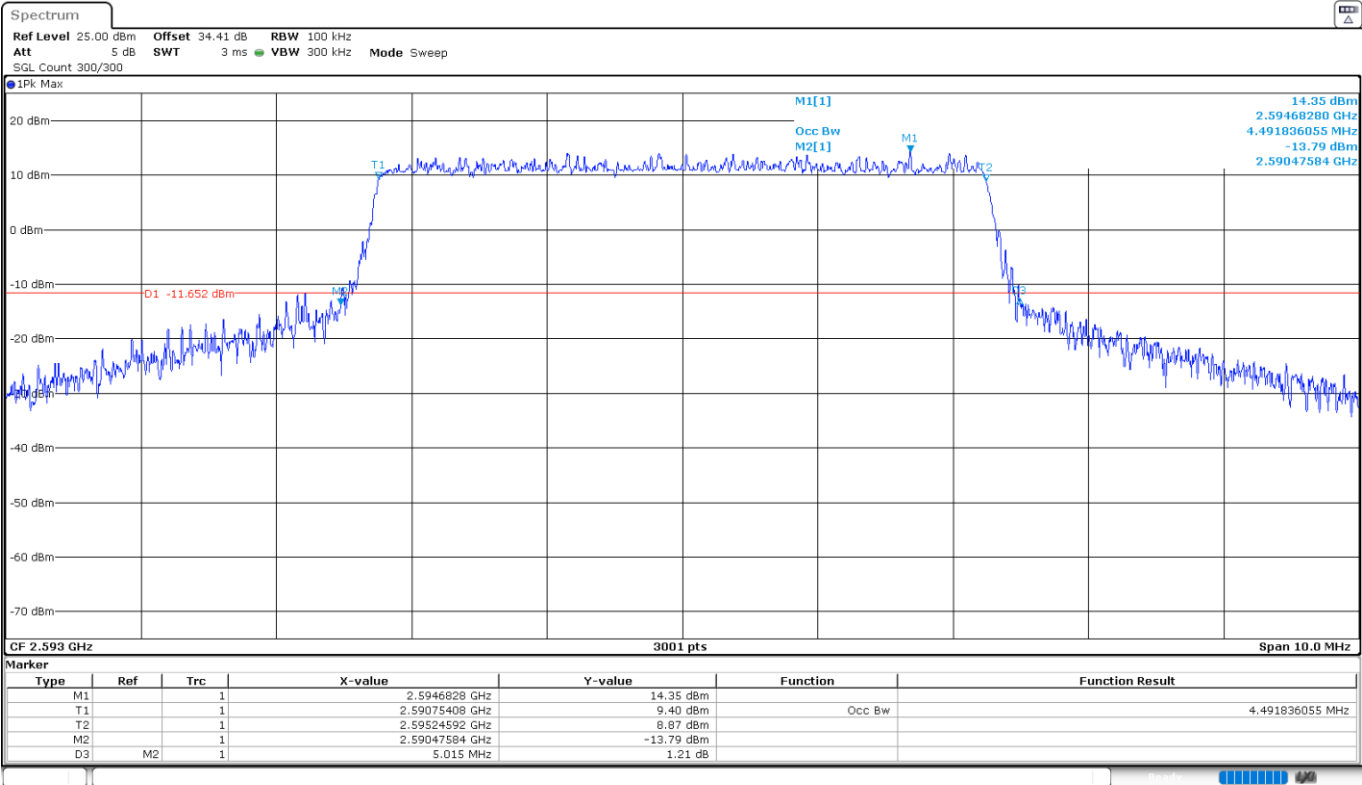


LTE Cat 1bis Band 41. BW=5 MHz. 16QAM. RB Size 5.

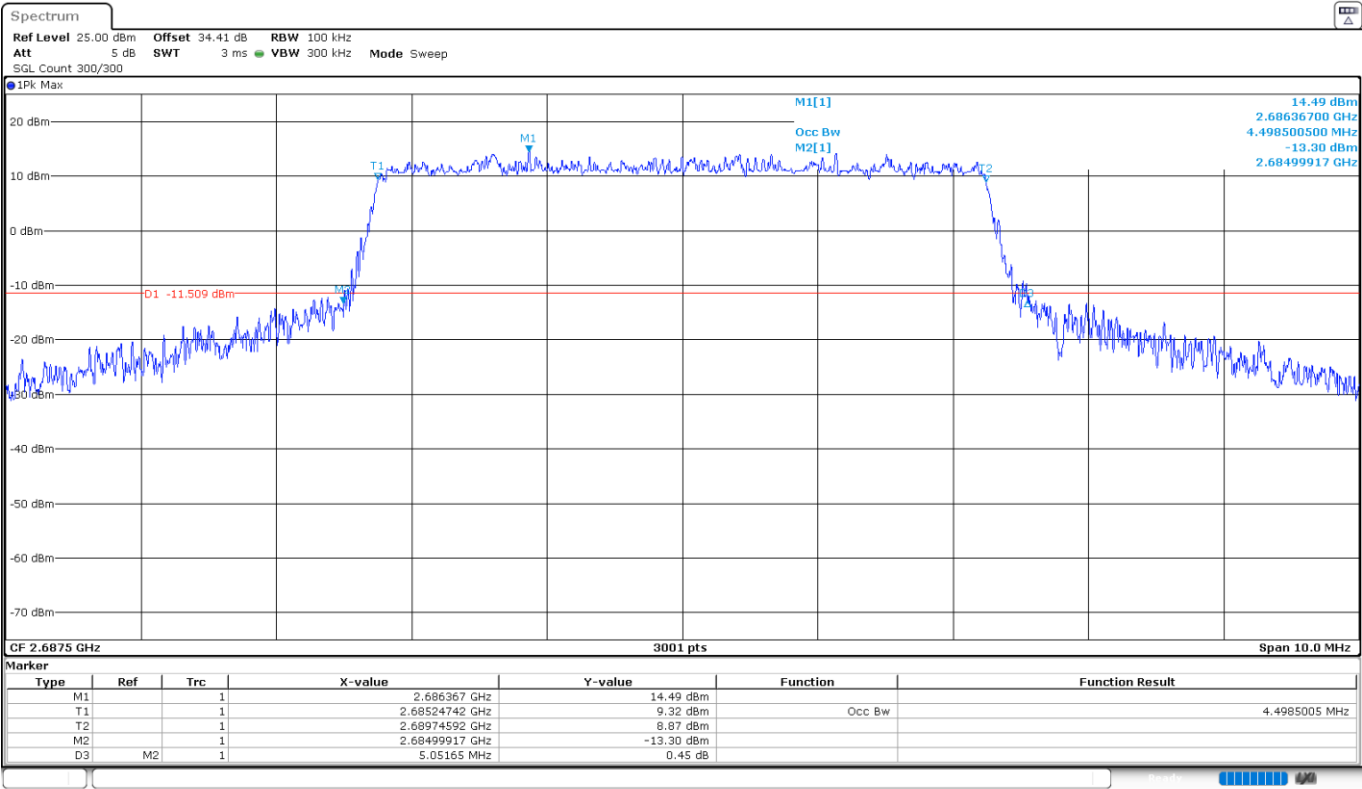
Low USA Channel:



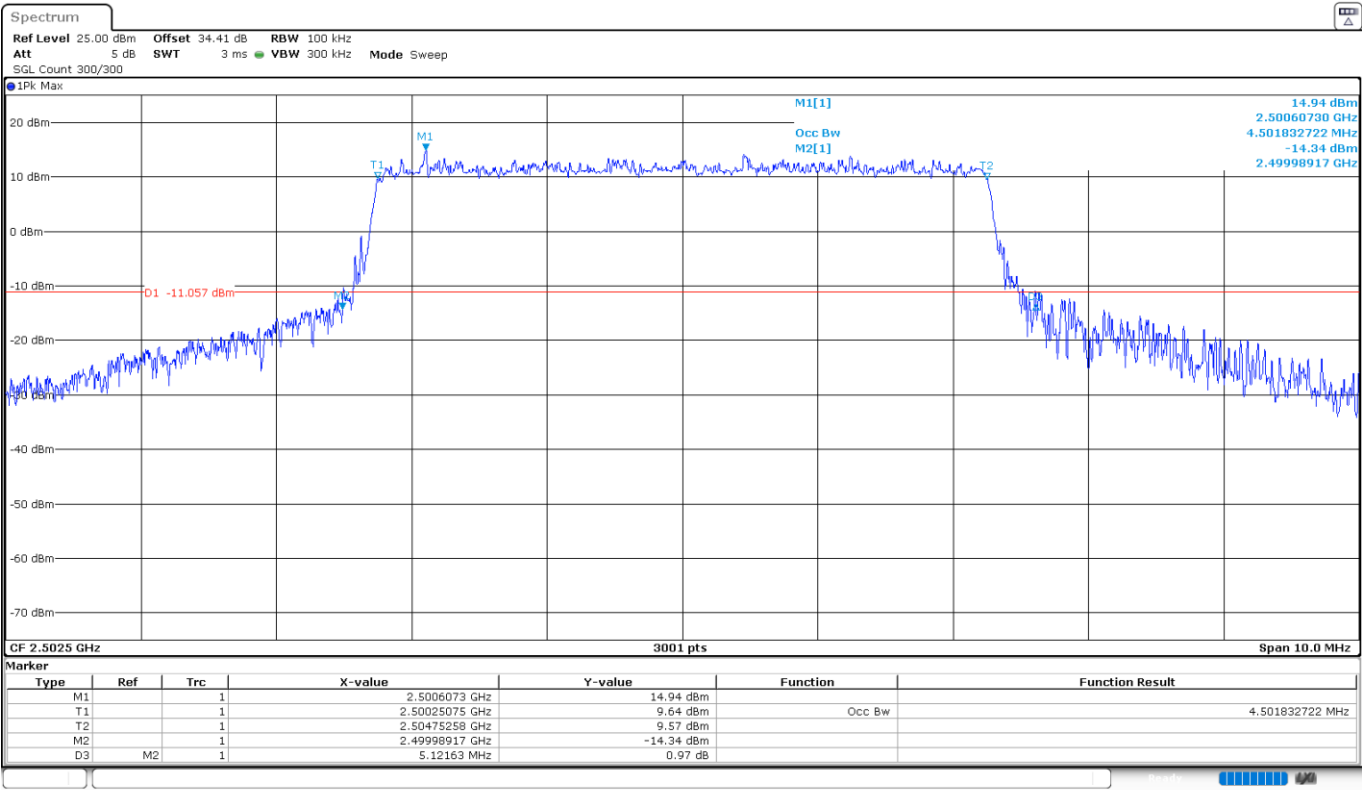
Middle Channel:



High Channel:



Low CANADA Channel:



LTE Cat 1bis Band 41. BW=10 MHz. QPSK. RB Size 6.

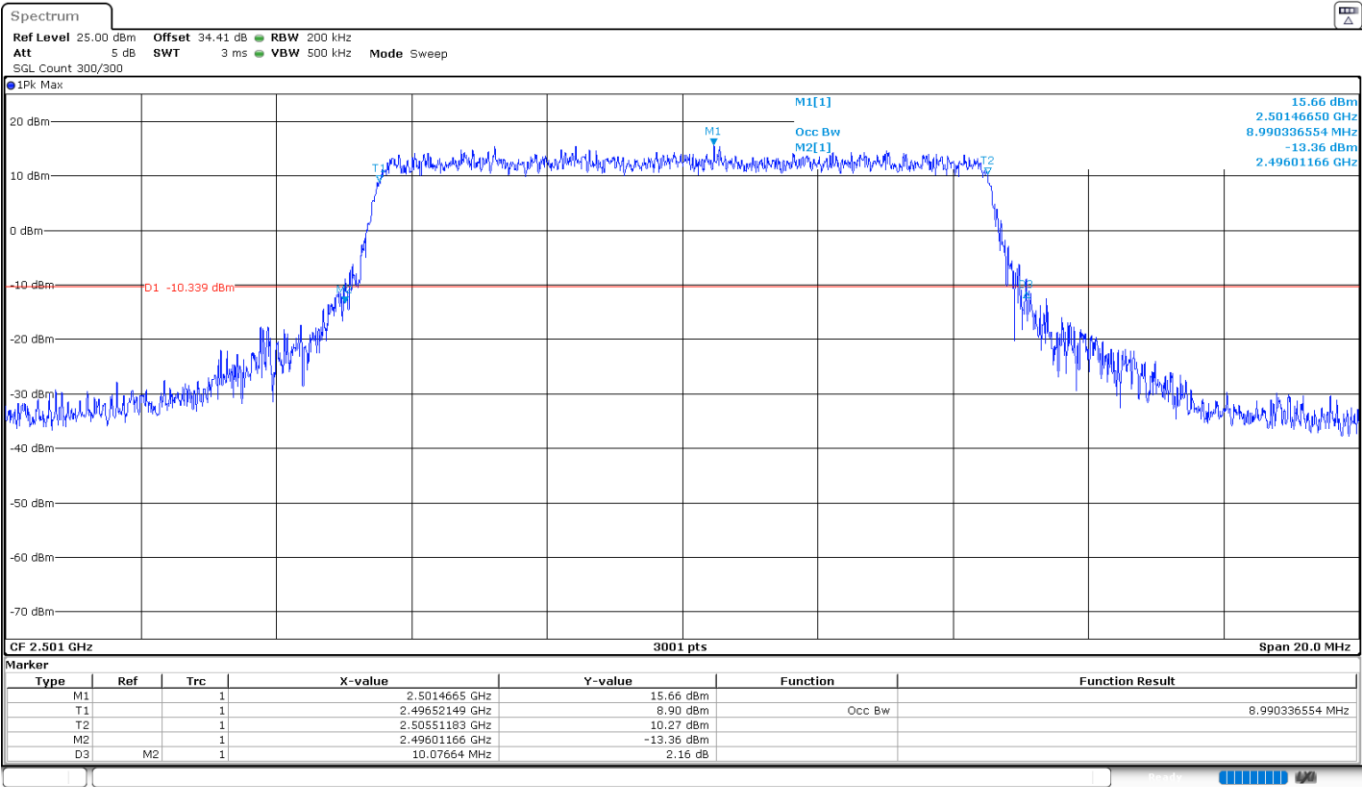
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	8.99033655400	8.97034321900	8.97700766400	8.99700100000
-26 dBc Bandwidth (MHz)	10.07664000000	10.10996000000	10.23659000000	10.24325000000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=10 MHz. 16QAM. RB Size 5.

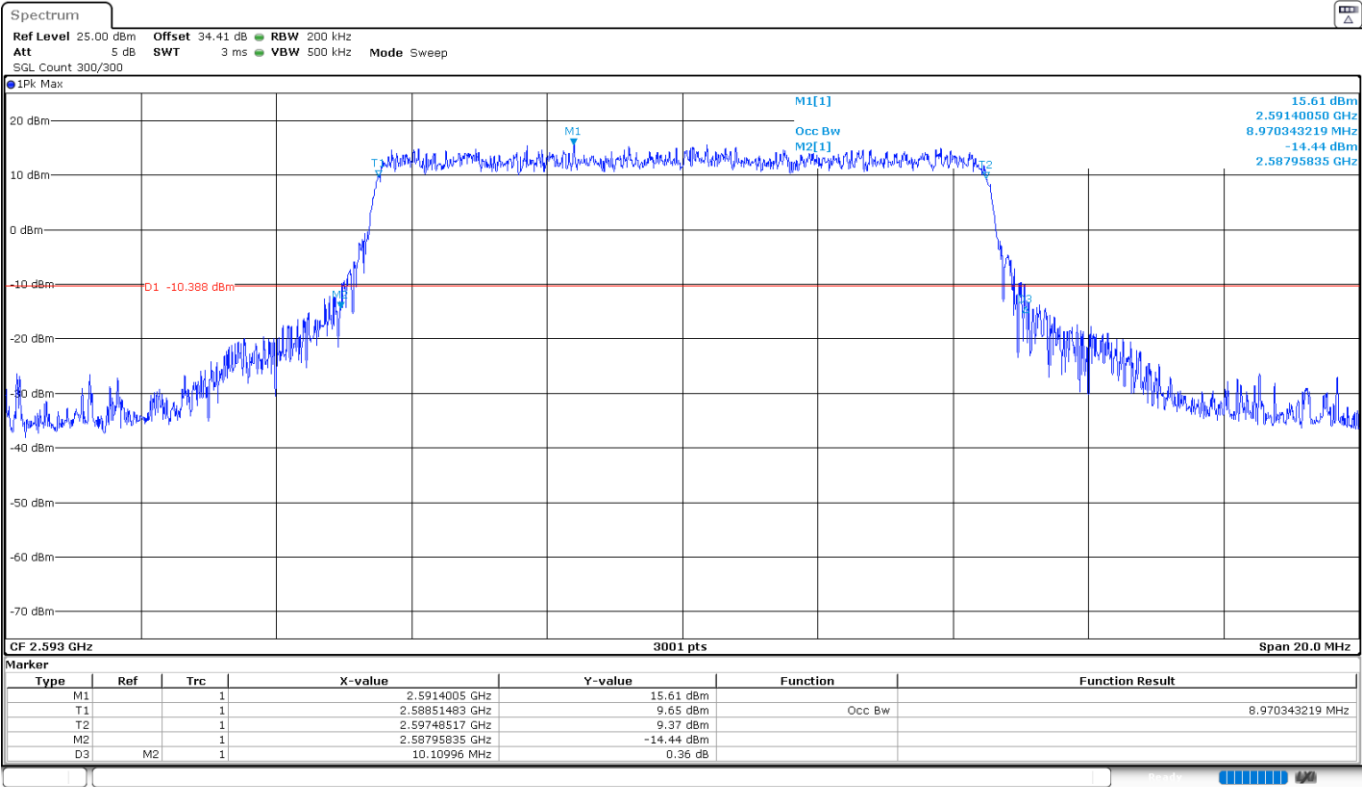
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	4.50516494500	4.53847171000	4.51849383500	4.50516494500
-26 dBc Bandwidth (MHz)	5.24492000000	5.50483000000	5.32489000000	5.49817000000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=10 MHz. QPSK. RB Size 6.

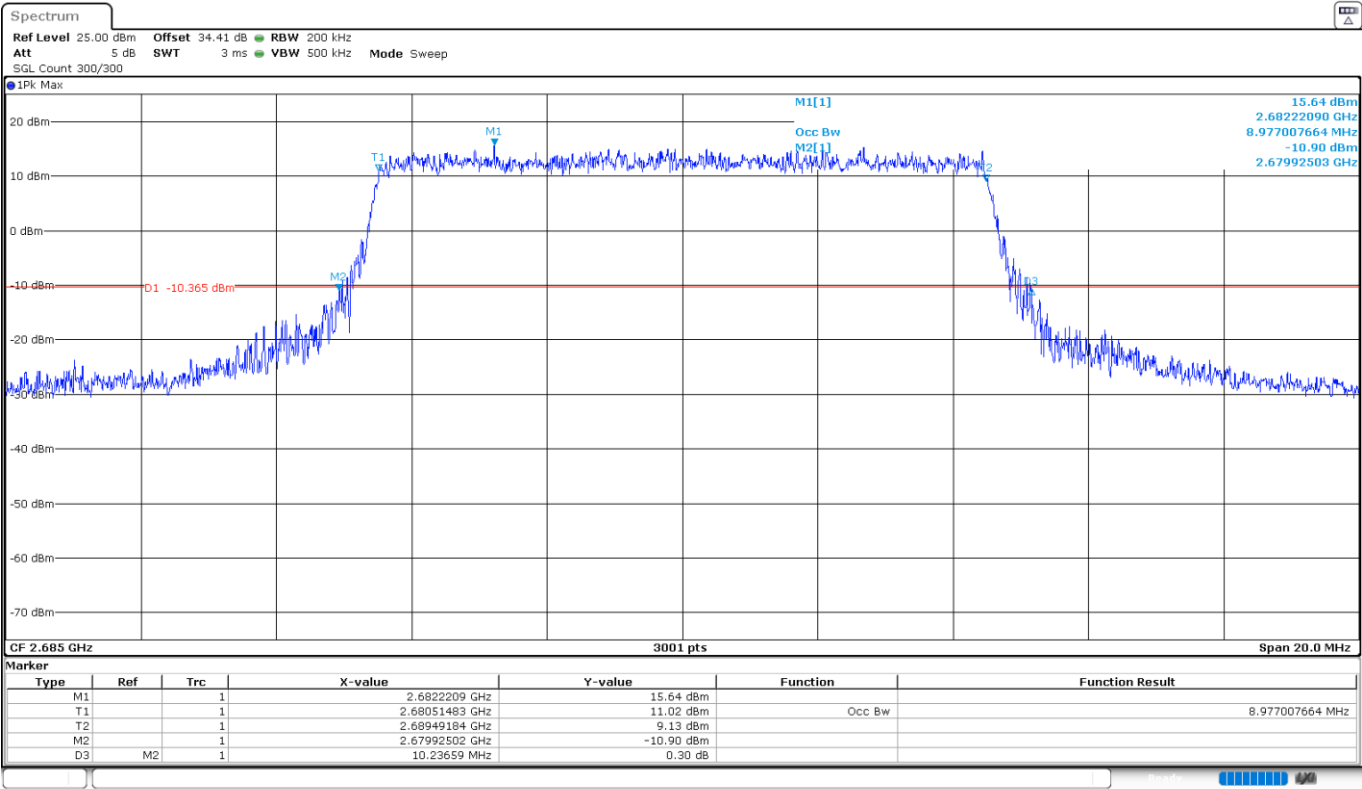
Low USA Channel:



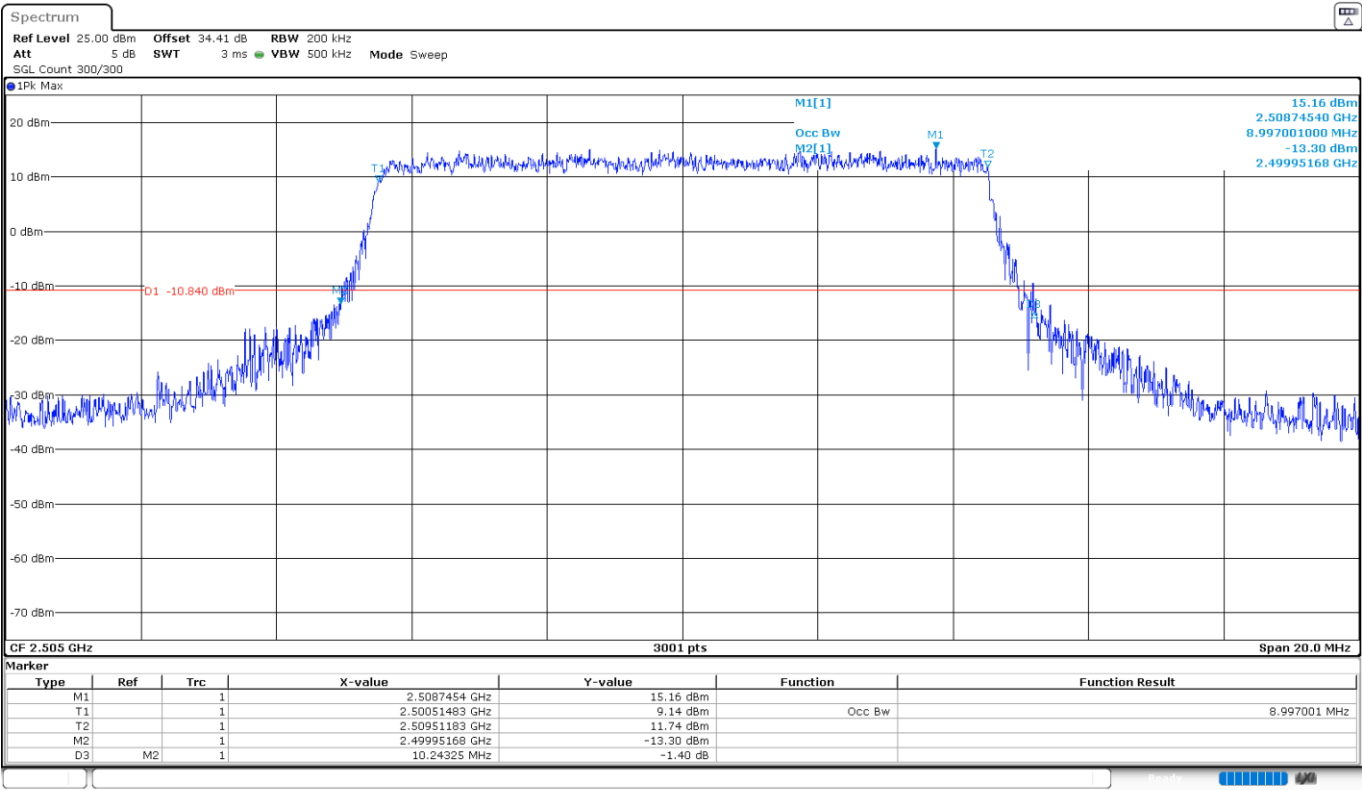
Middle Channel:



High Channel:

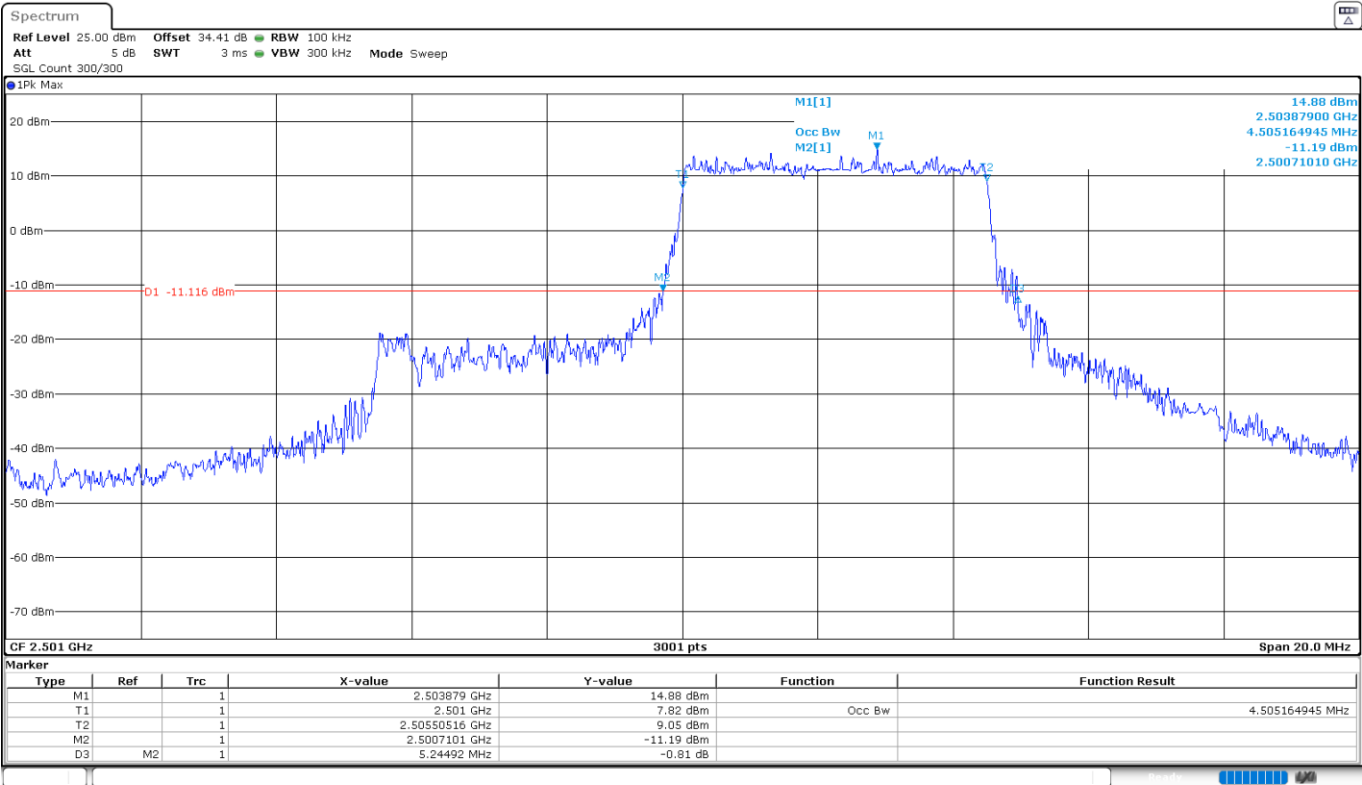


Low CANADA Channel:

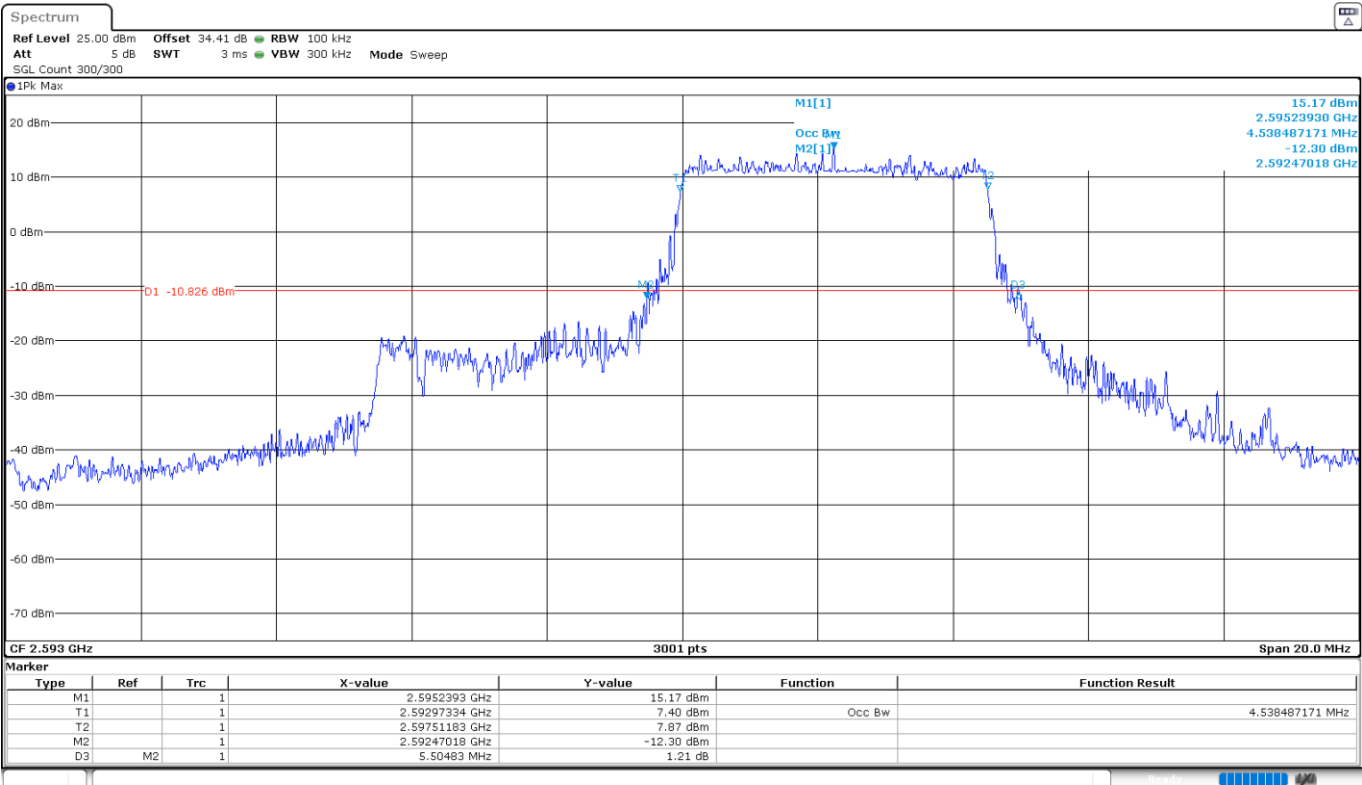


LTE Cat 1bis Band 41. BW=10 MHz. 16QAM. RB Size 5.

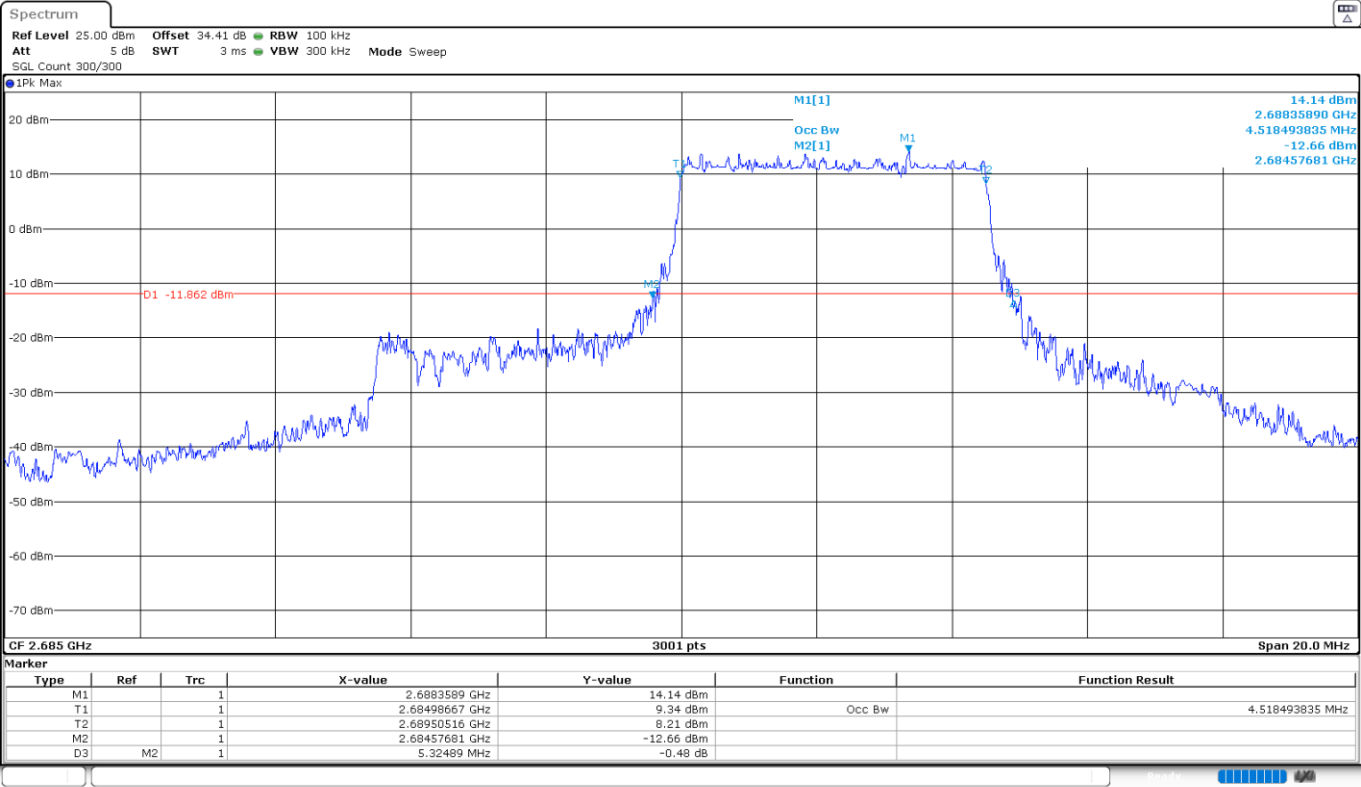
Low USA Channel:



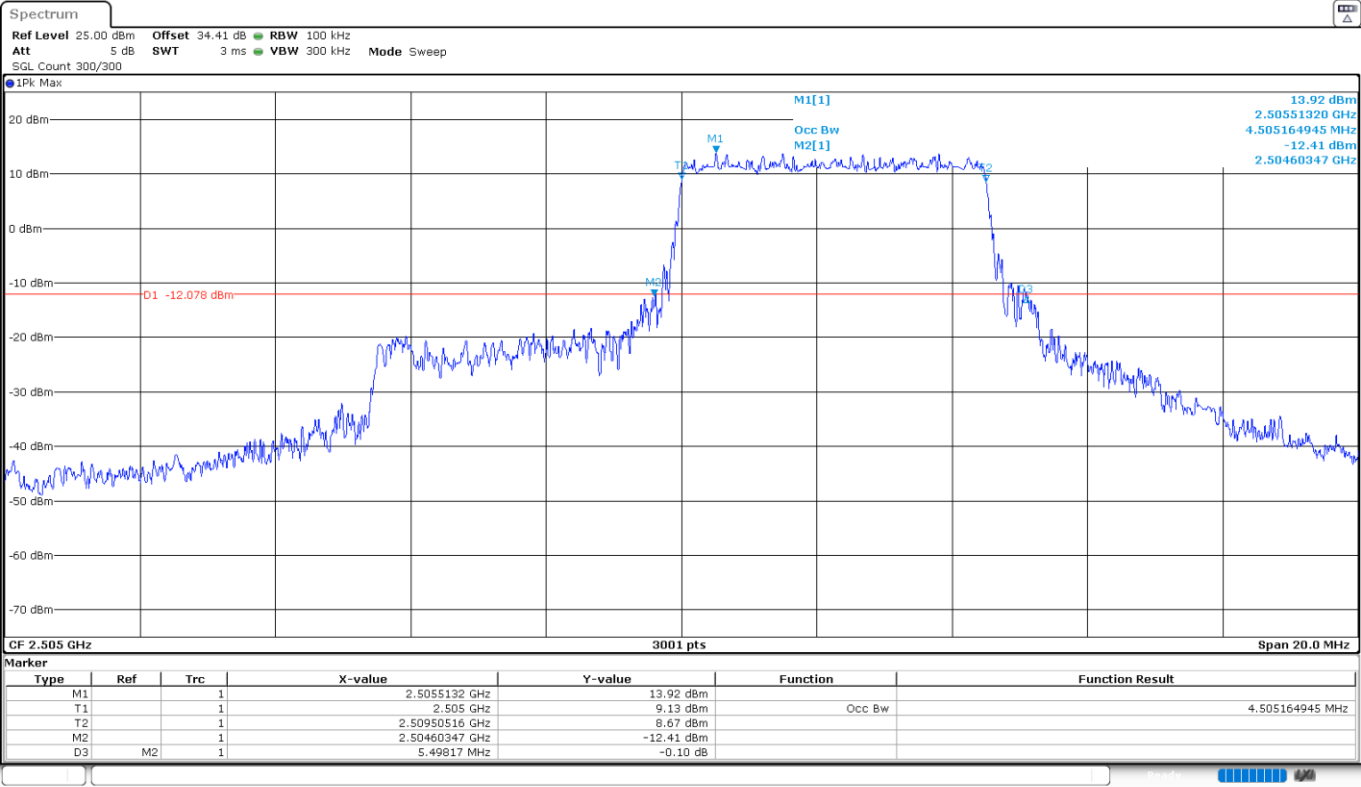
Middle Channel:



High Channel:



Low CANADA Channel:



LTE Cat 1bis Band 41. BW=15 MHz. QPSK. RB Size 6.

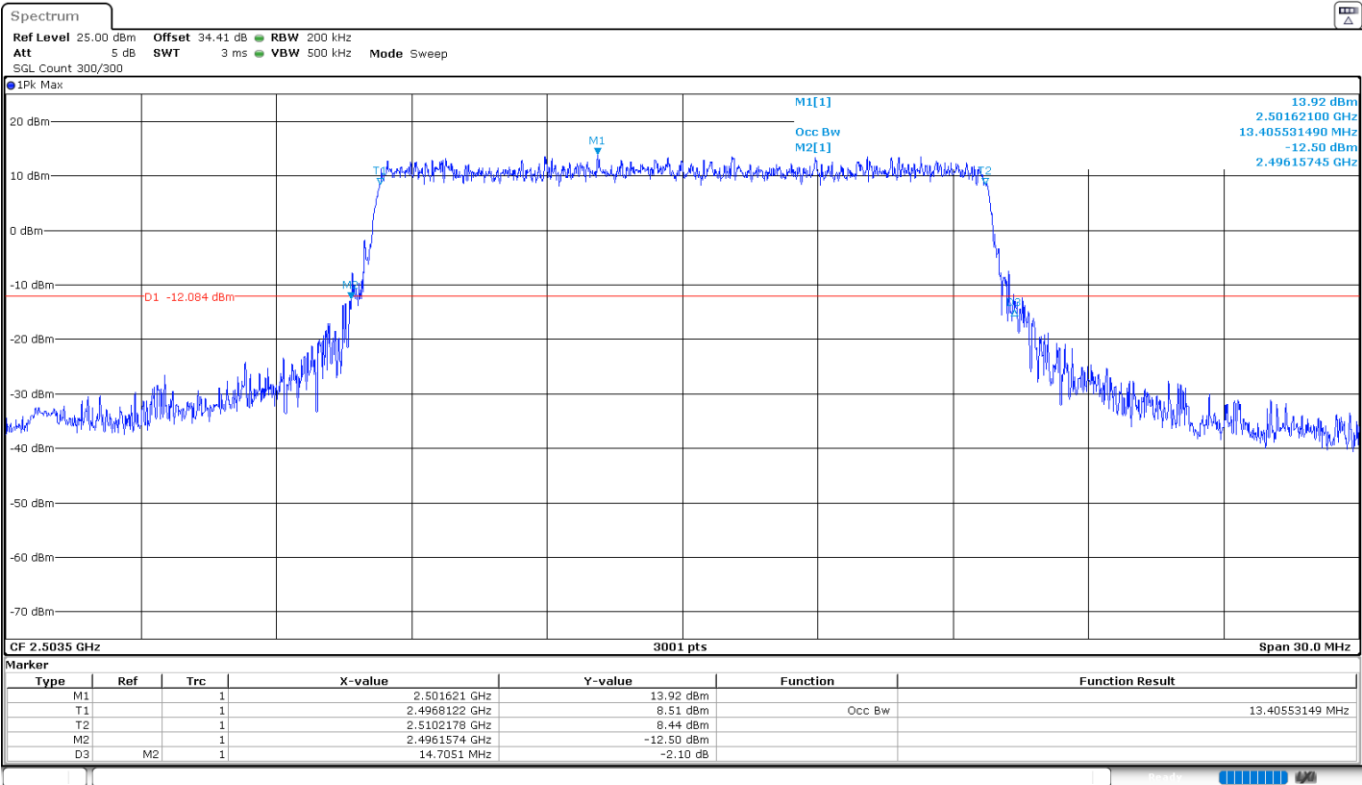
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	13.4055314900	13.4155281570	13.4155281570	13.4355214930
-26 dBc Bandwidth (MHz)	14.7051000000	14.7550800000	14.8750400000	14.9450200000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=15 MHz. 16QAM. RB Size 5.

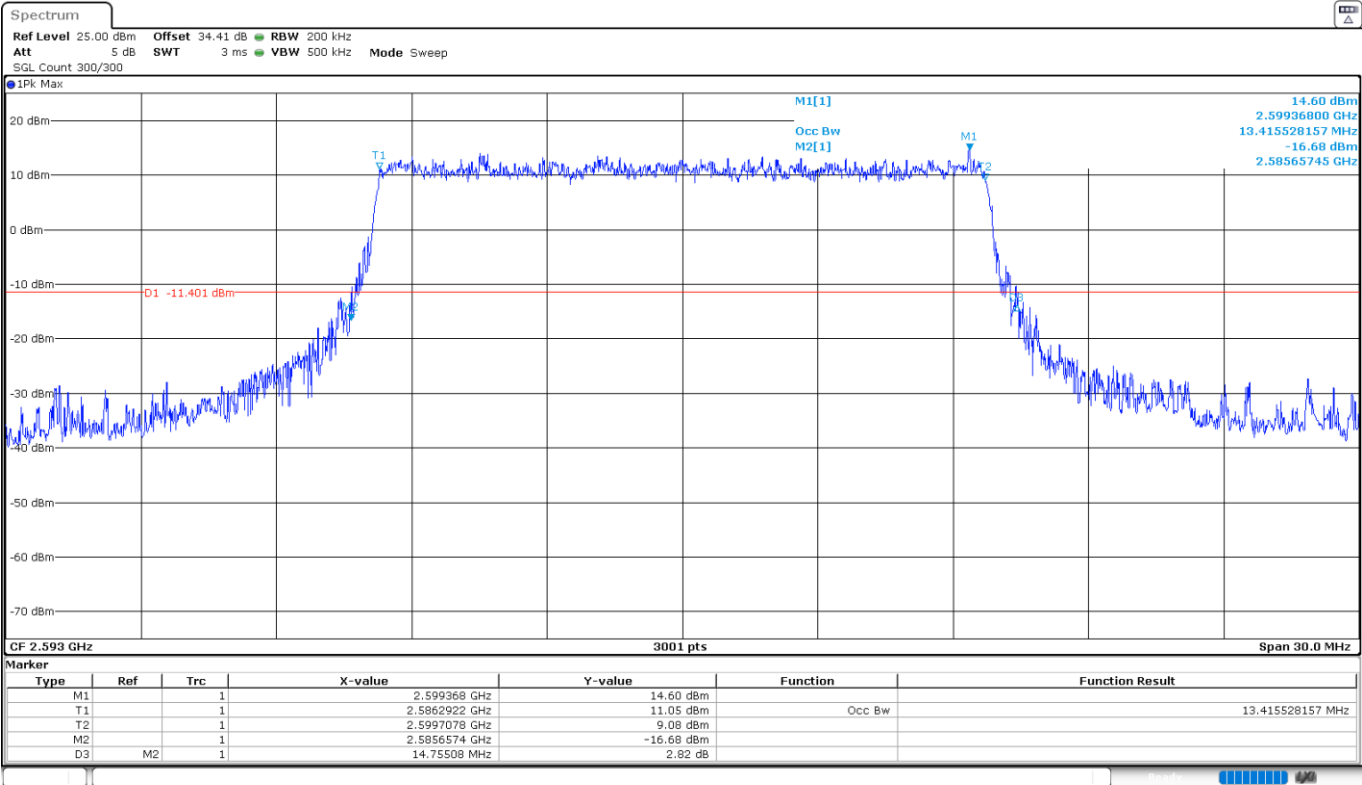
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	4.53848487171	4.52849050300	4.52849050300	4.50849716800
-26 dBc Bandwidth (MHz)	5.46818000000	5.44818000000	5.59813000000	5.62812000000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=15 MHz. QPSK. RB Size 6.

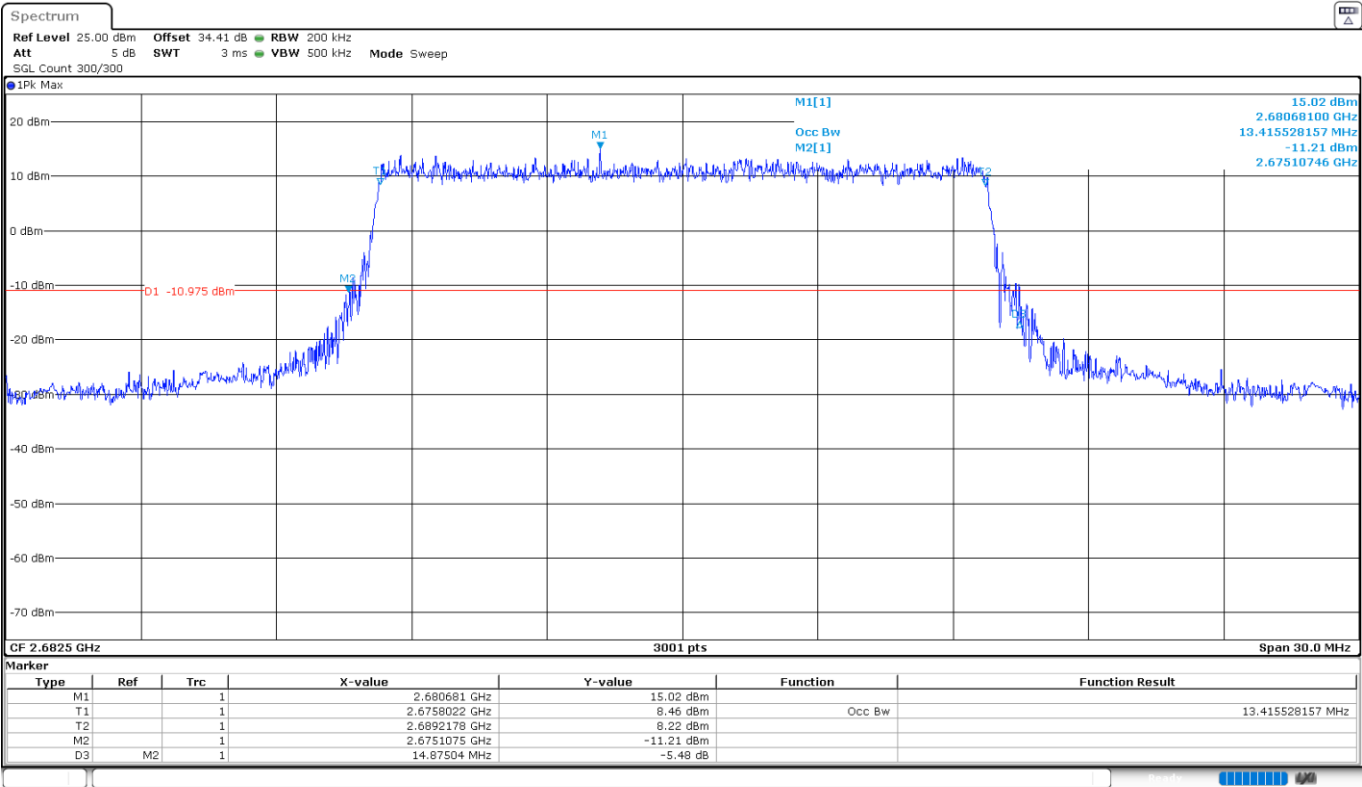
Low USA Channel:



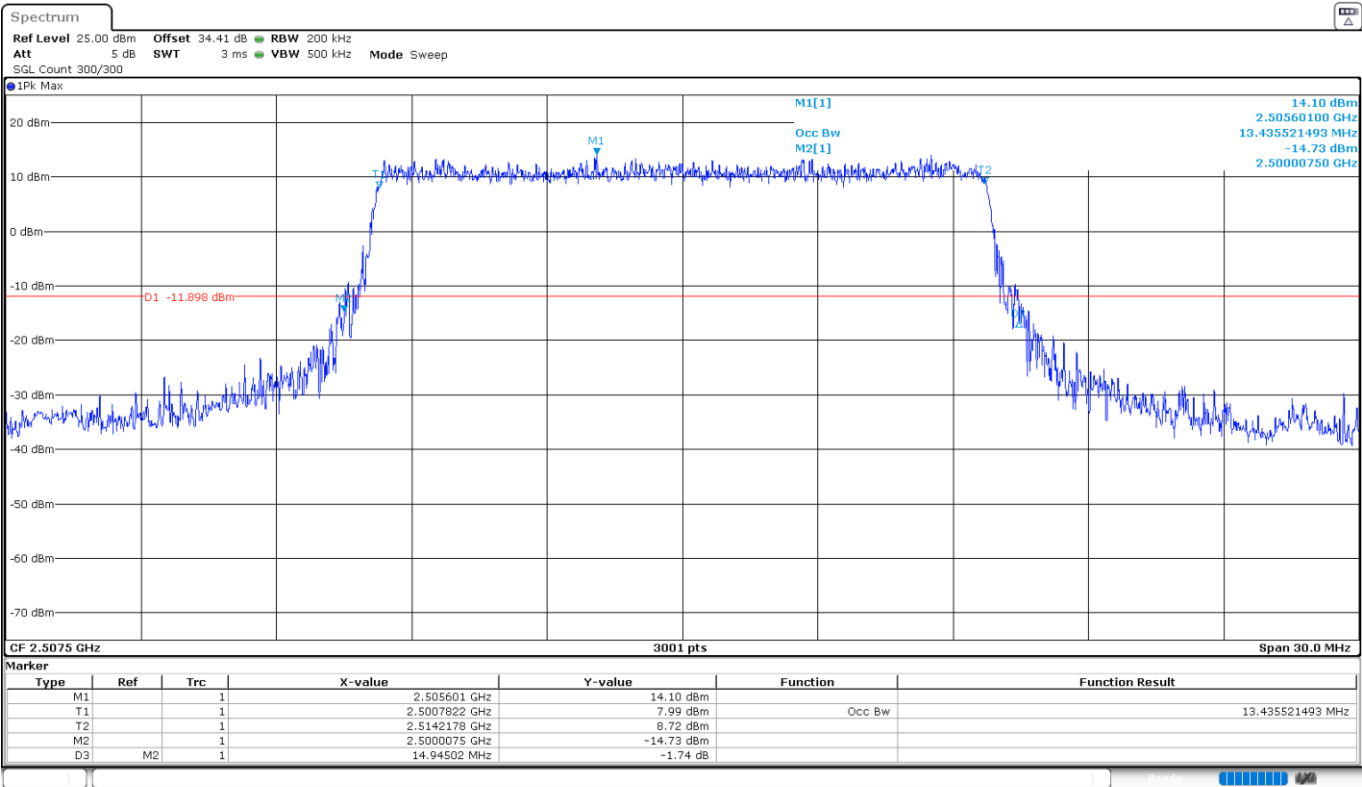
Middle Channel:



High Channel:

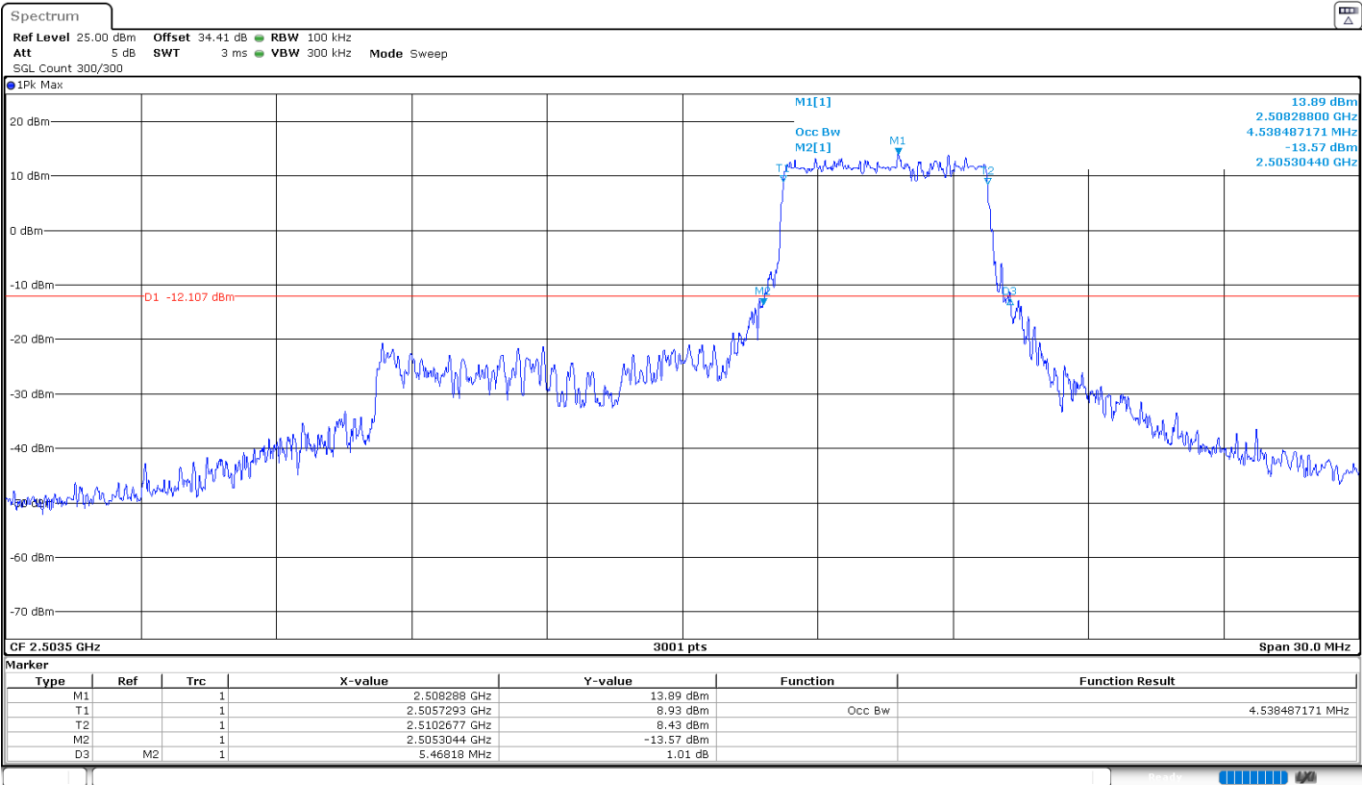


Low CANADA Channel:

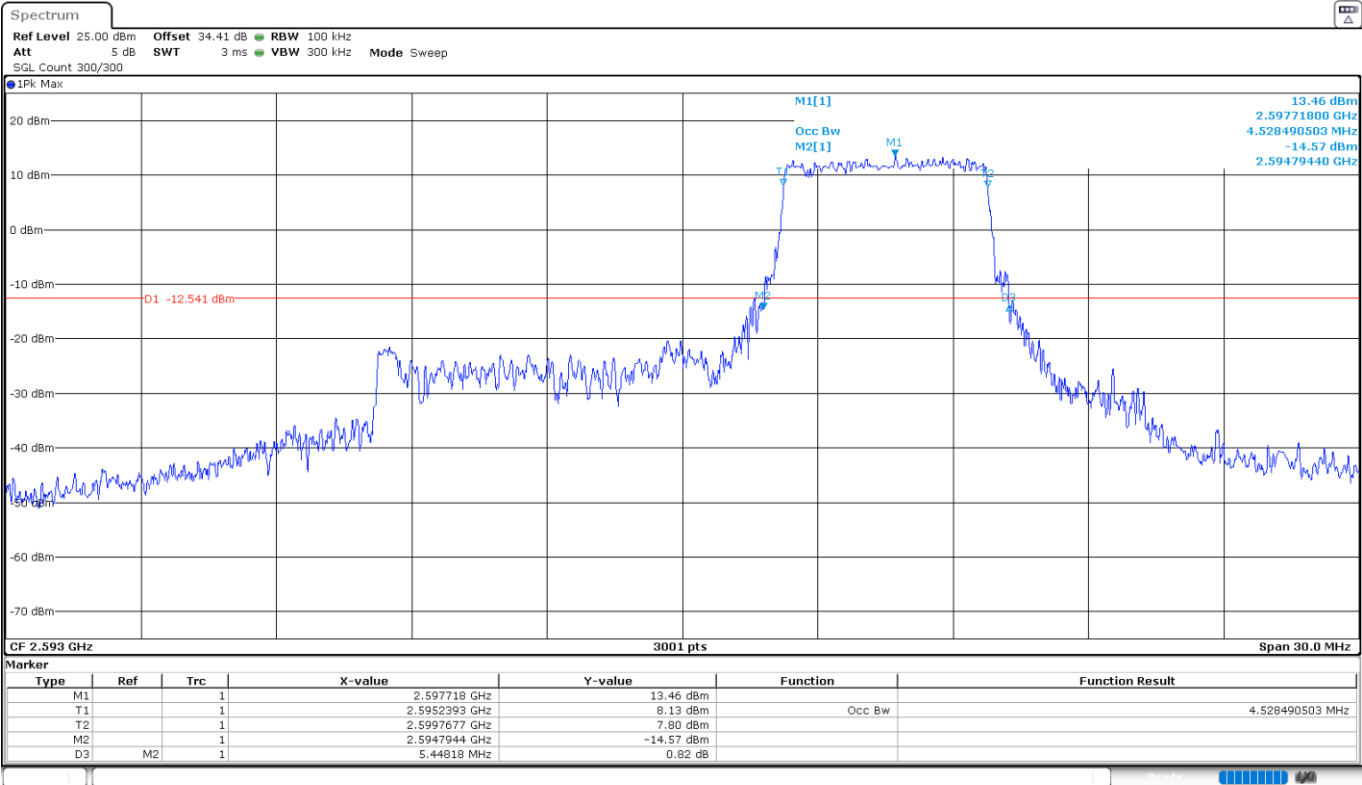


LTE Cat 1bis Band 41. BW=15 MHz. 16QAM. RB Size 5.

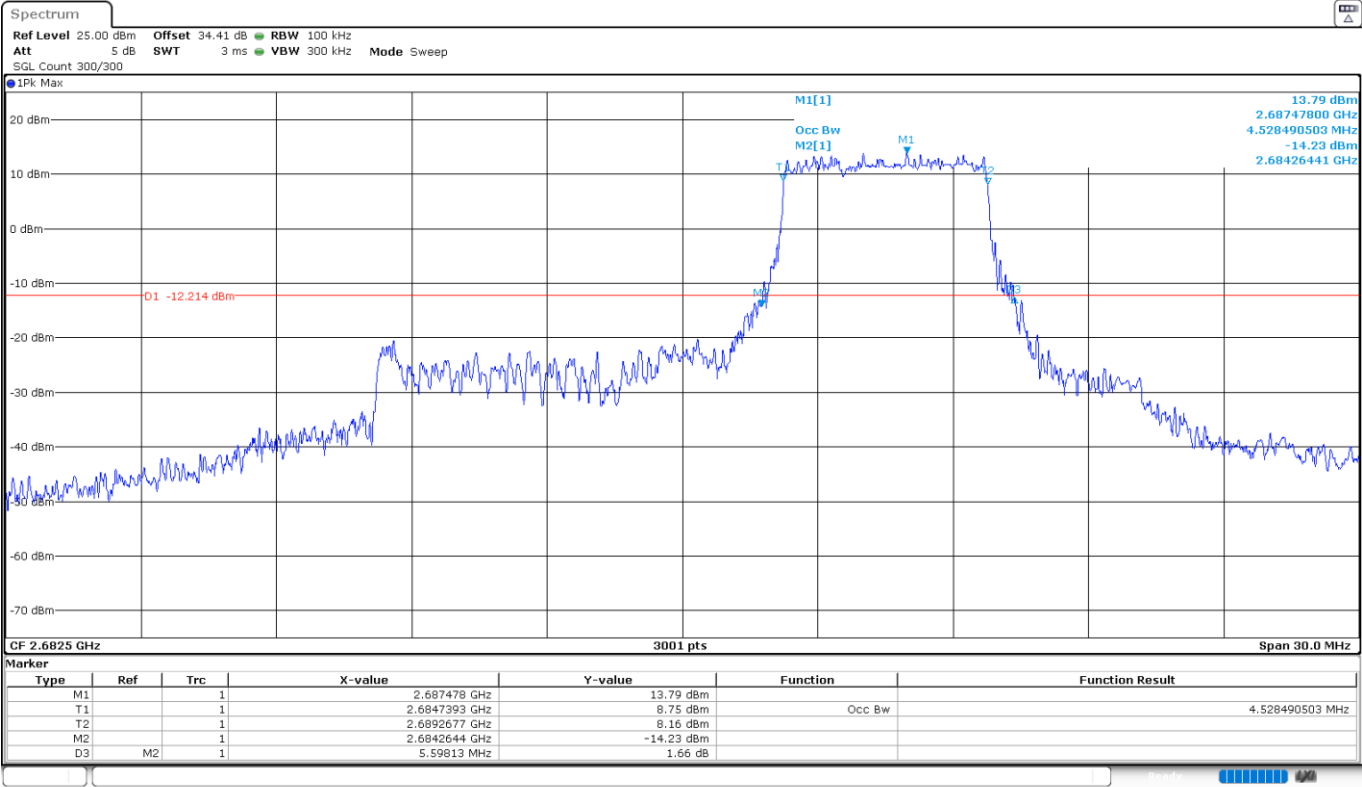
Low USA Channel:



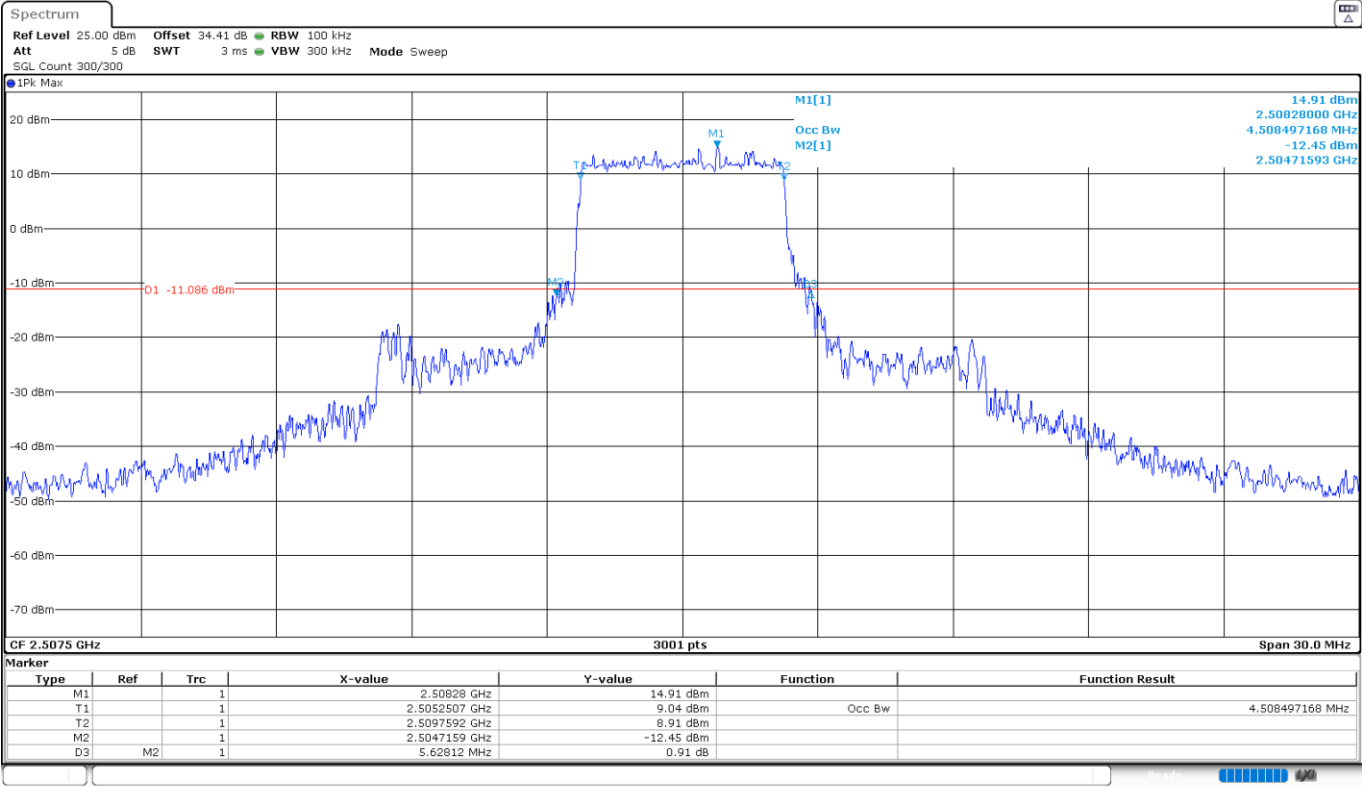
Middle Channel:



High Channel:



Low CANADA Channel:



LTE Cat 1bis Band 41. BW=20 MHz. QPSK. RB Size 6.

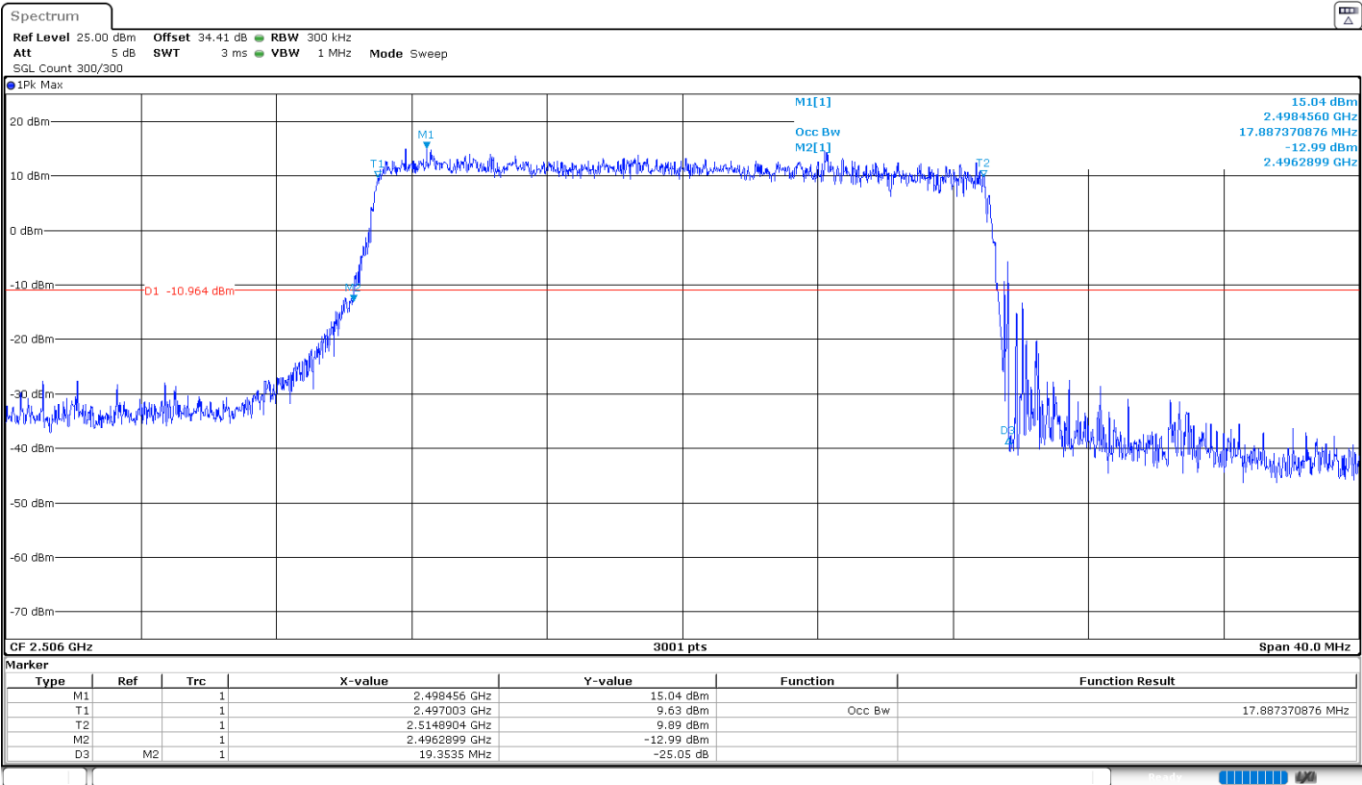
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	17.887370876	17.900699767	17.887370876	17.927357547
-26 dBc Bandwidth (MHz)	19.353500000	19.833400000	19.900000000	19.633500000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=20 MHz. 16QAM. RB Size 5.

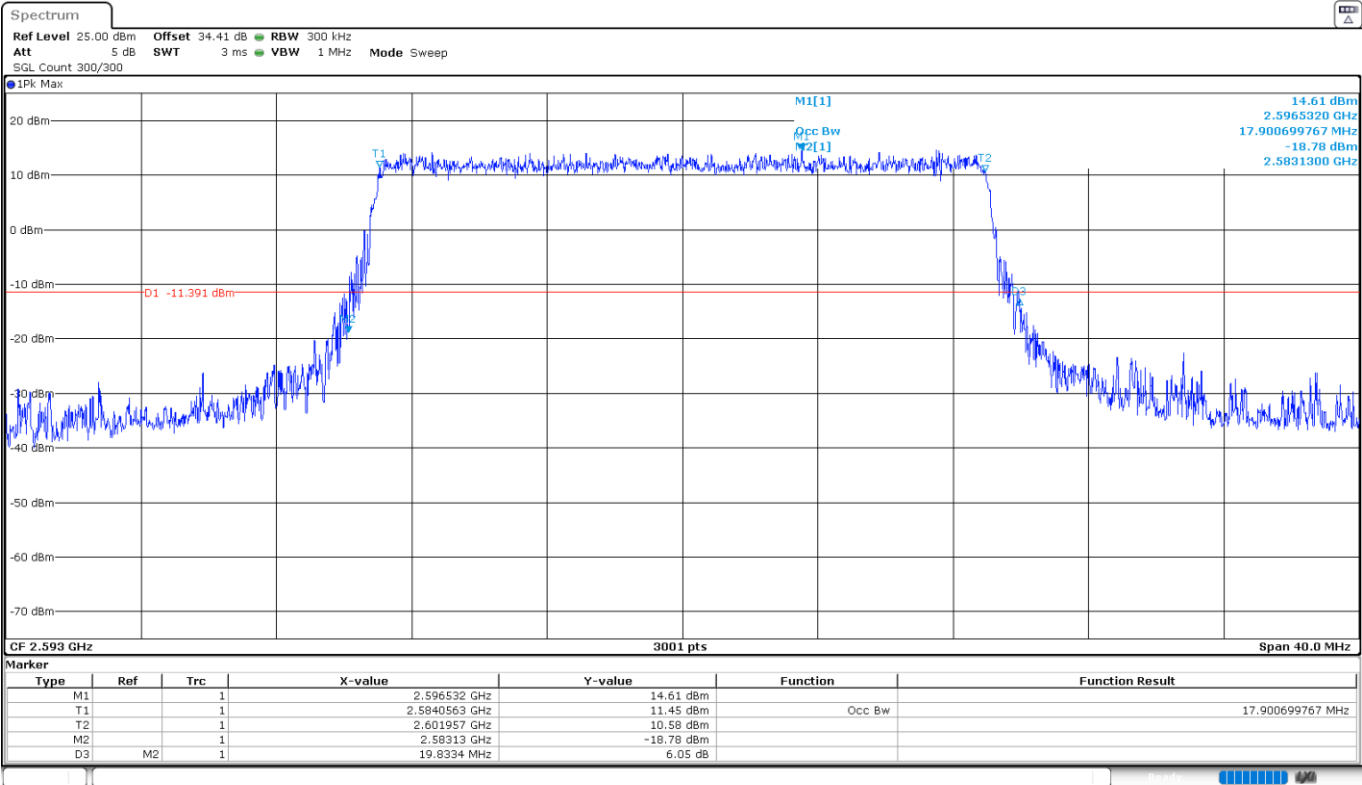
Channel	Low USA	Middle	High	Low CANADA
99% Occupied Bandwidth (MHz)	4.545151616	4.518493835	4.531822726	4.505164945
-26 dBc Bandwidth (MHz)	5.491500000	5.358200000	5.624800000	5.664800000
Measurement uncertainty (kHz)	<±3.75			

LTE Cat 1bis Band 41. BW=20 MHz. QPSK. RB Size 6.

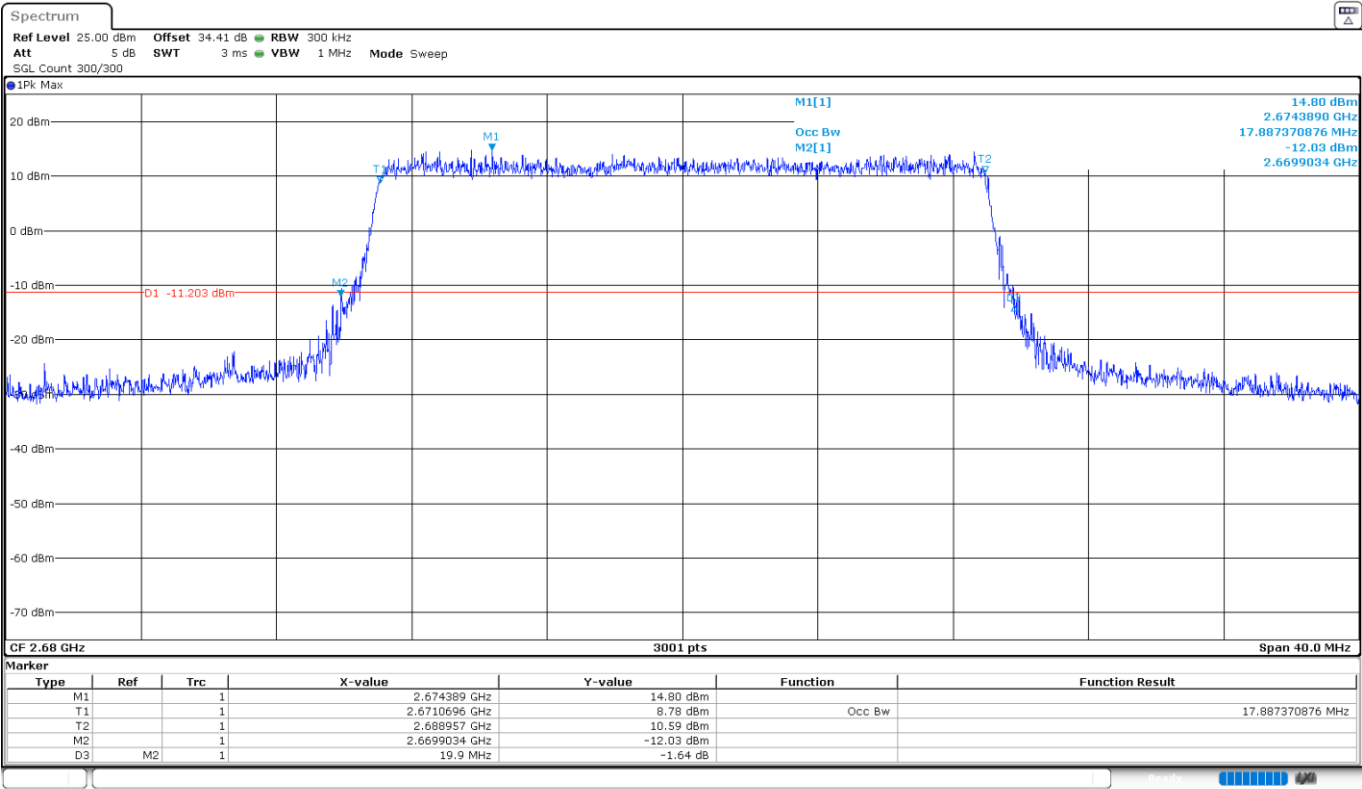
Low USA Channel:



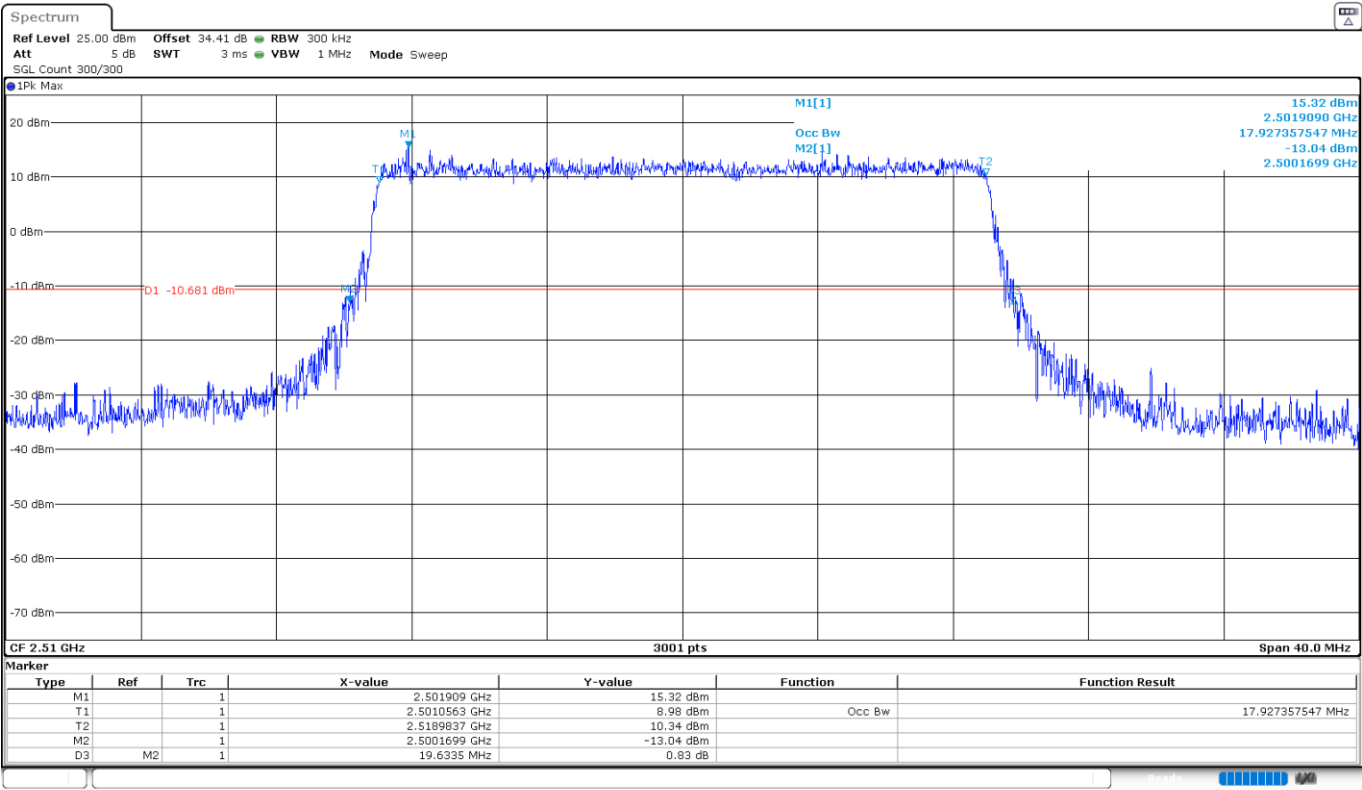
Middle Channel:



High Channel:

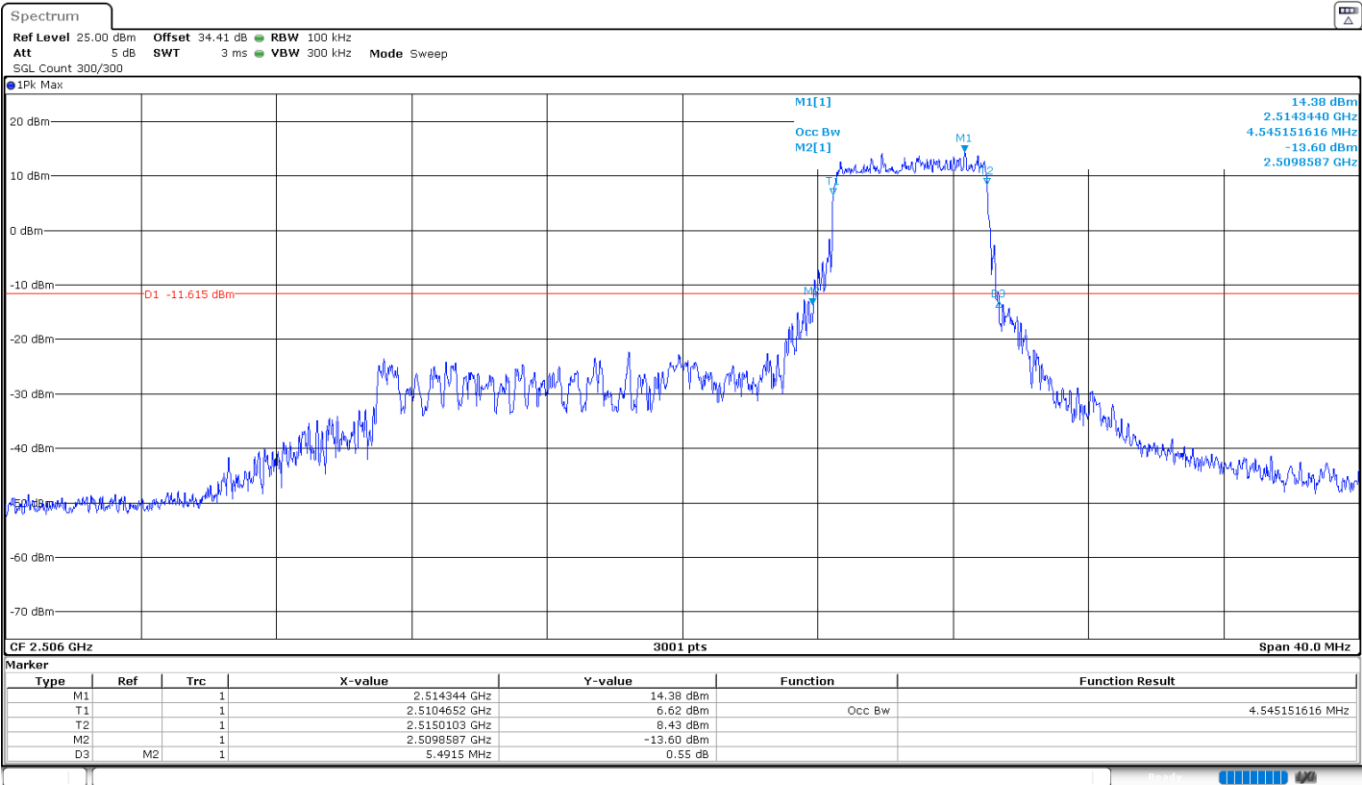


Low CANADA Channel:

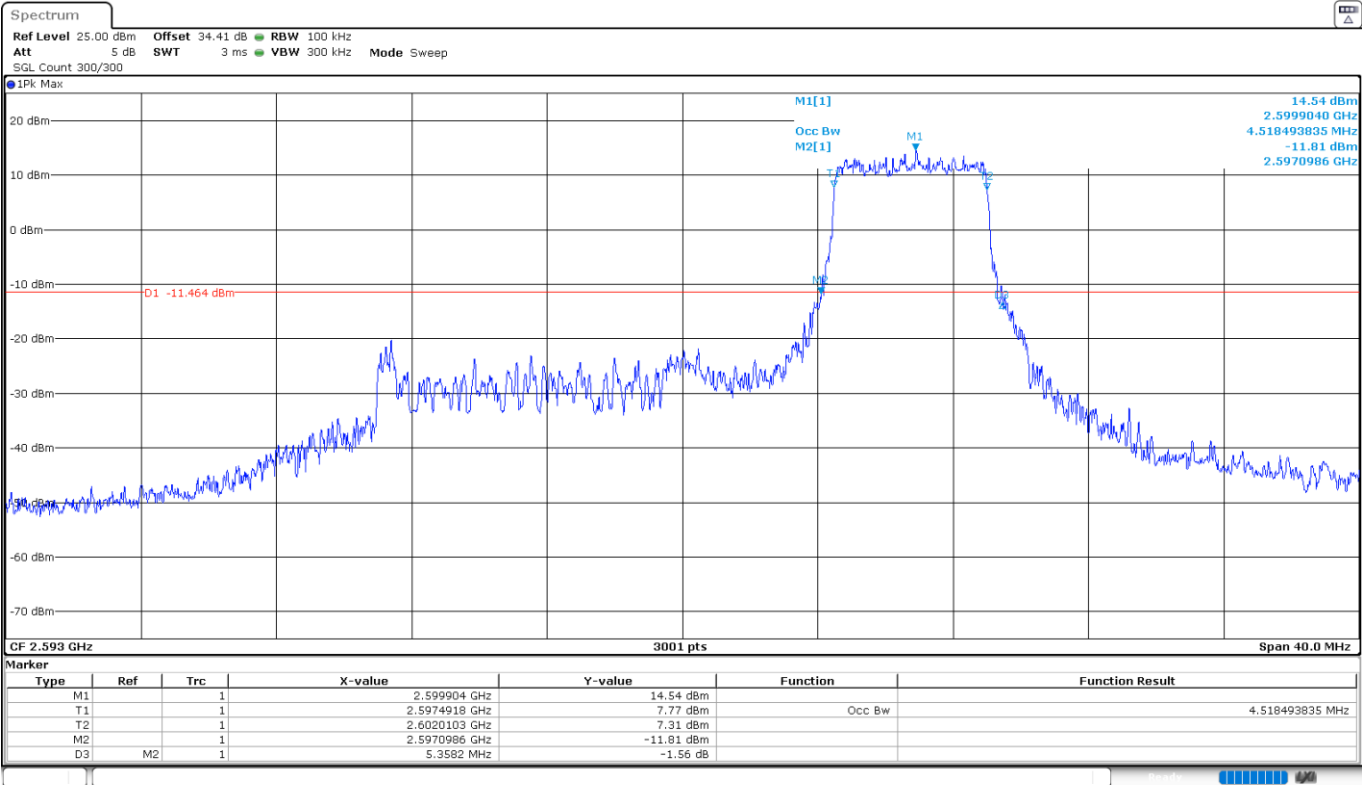


LTE Cat 1bis Band 41. BW=20 MHz. 16QAM. RB Size 5.

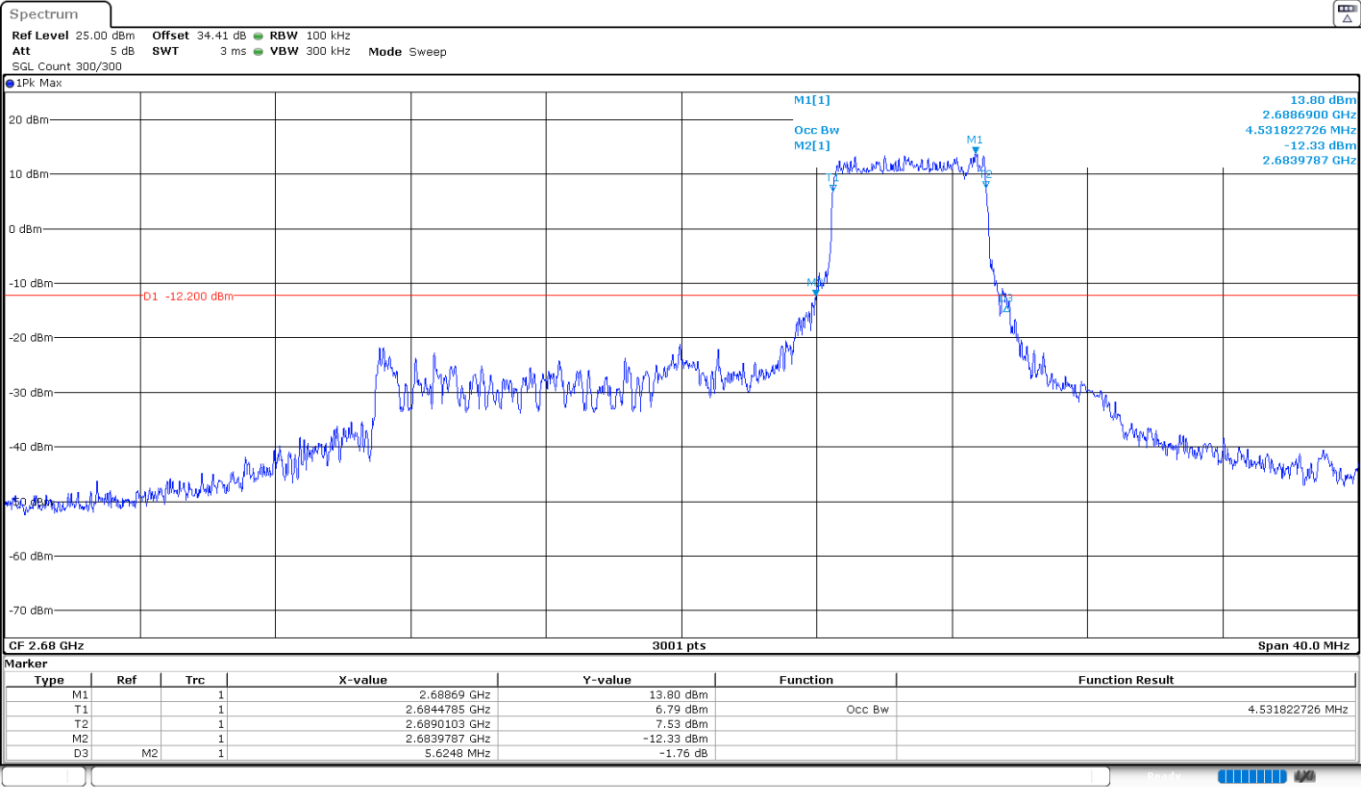
Low USA Channel:



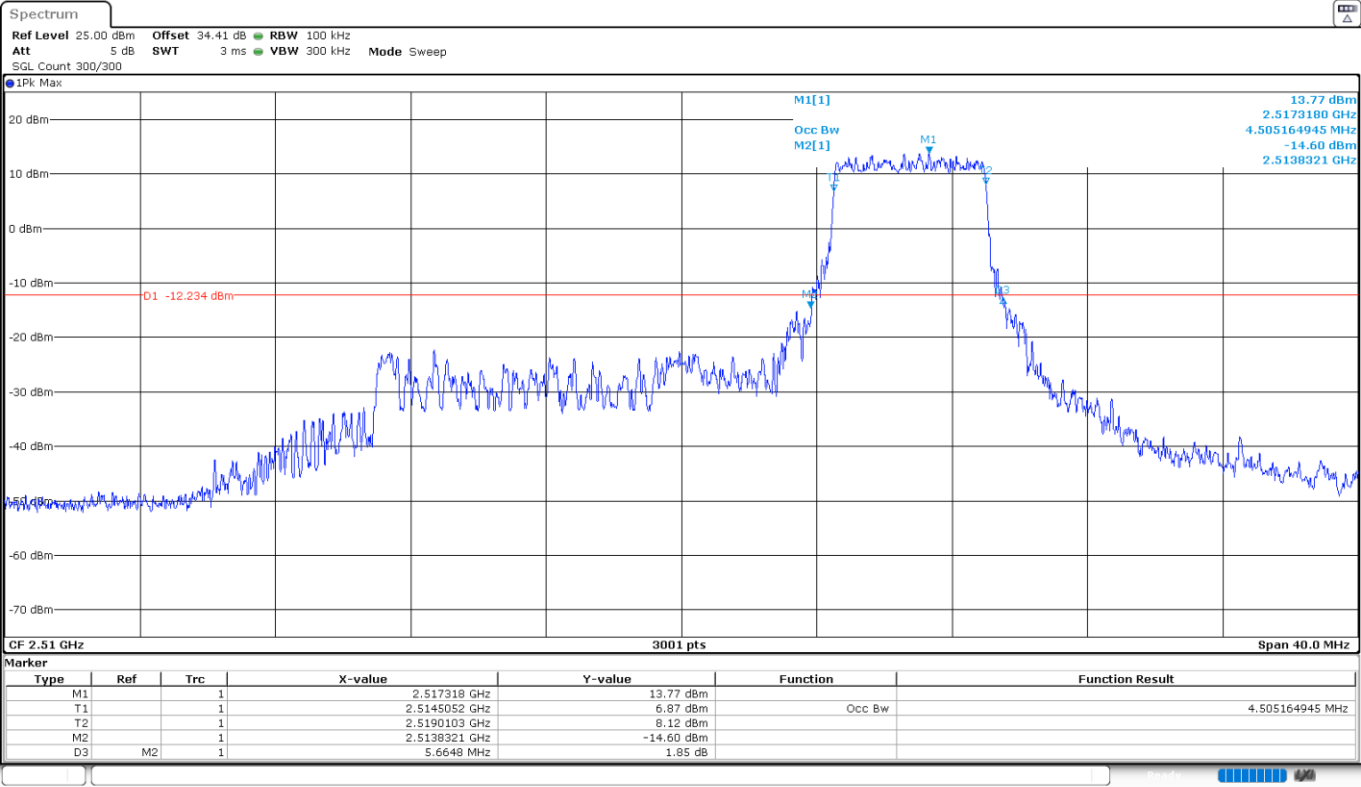
Middle Channel:



High Channel:



Low CANADA Channel:



LTE Cat 1bis Band 66:

LTE Cat 1bis Band 66. BW=1.4 MHz. QPSK. RB Size 6.

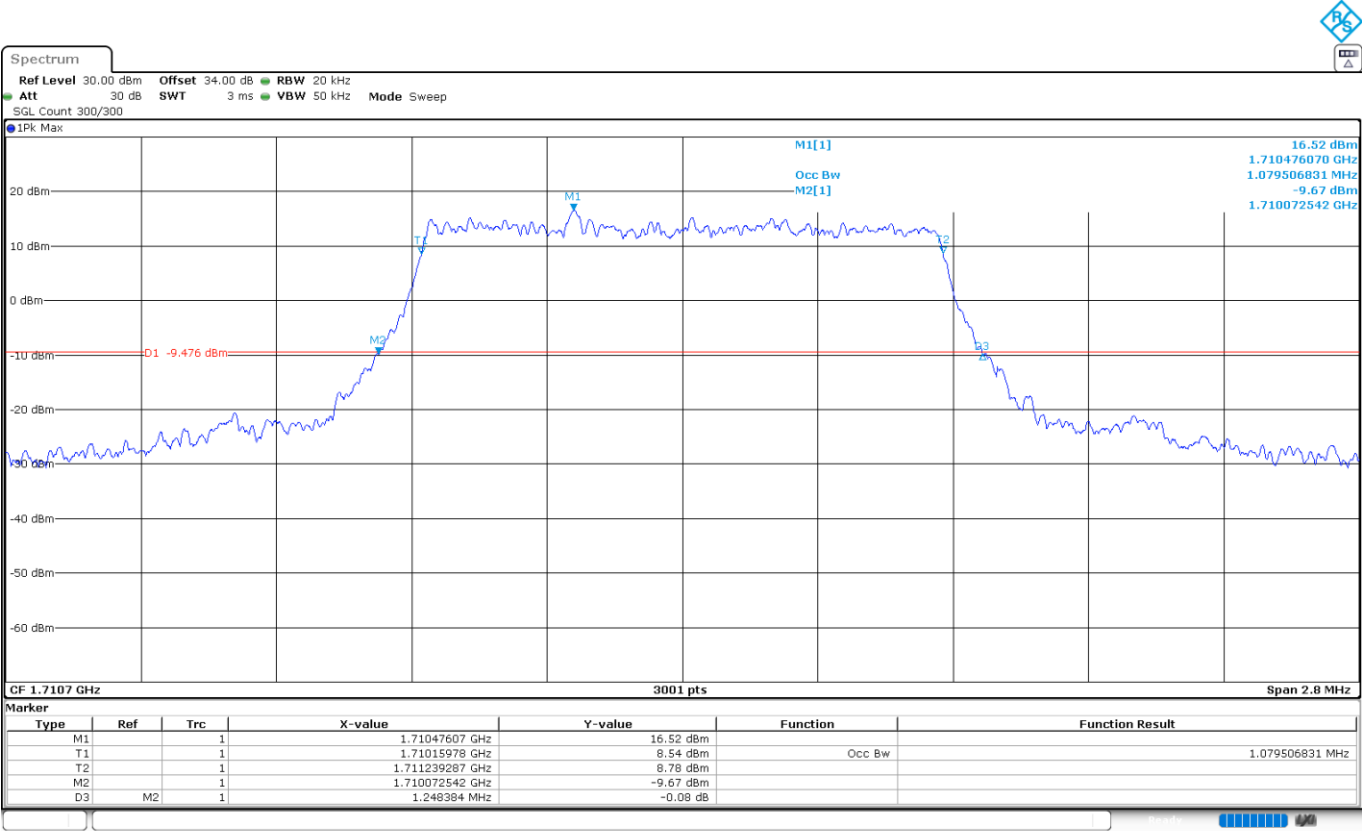
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	1.079506381000	1.079506831000	1.082305898000
-26 dBc Bandwidth (MHz)	1.248384000000	1.269843000000	1.280107000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=1.4 MHz. 16QAM. RB Size 5.

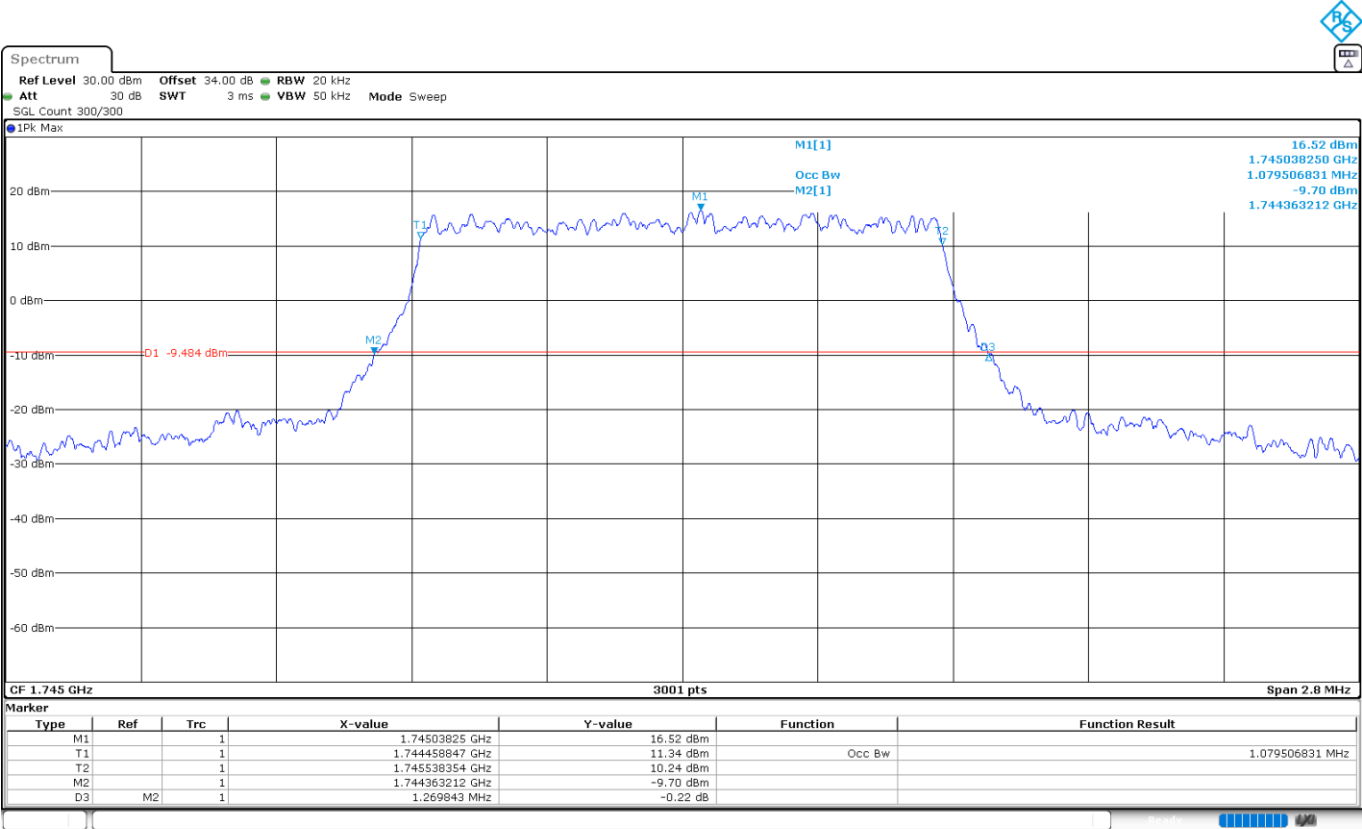
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	1.082305898000	1.079506831000	1.082305898000
-26 dBc Bandwidth (MHz)	1.270776000000	1.266111000000	1.274508000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=1.4 MHz. QPSK. RB Size 6.

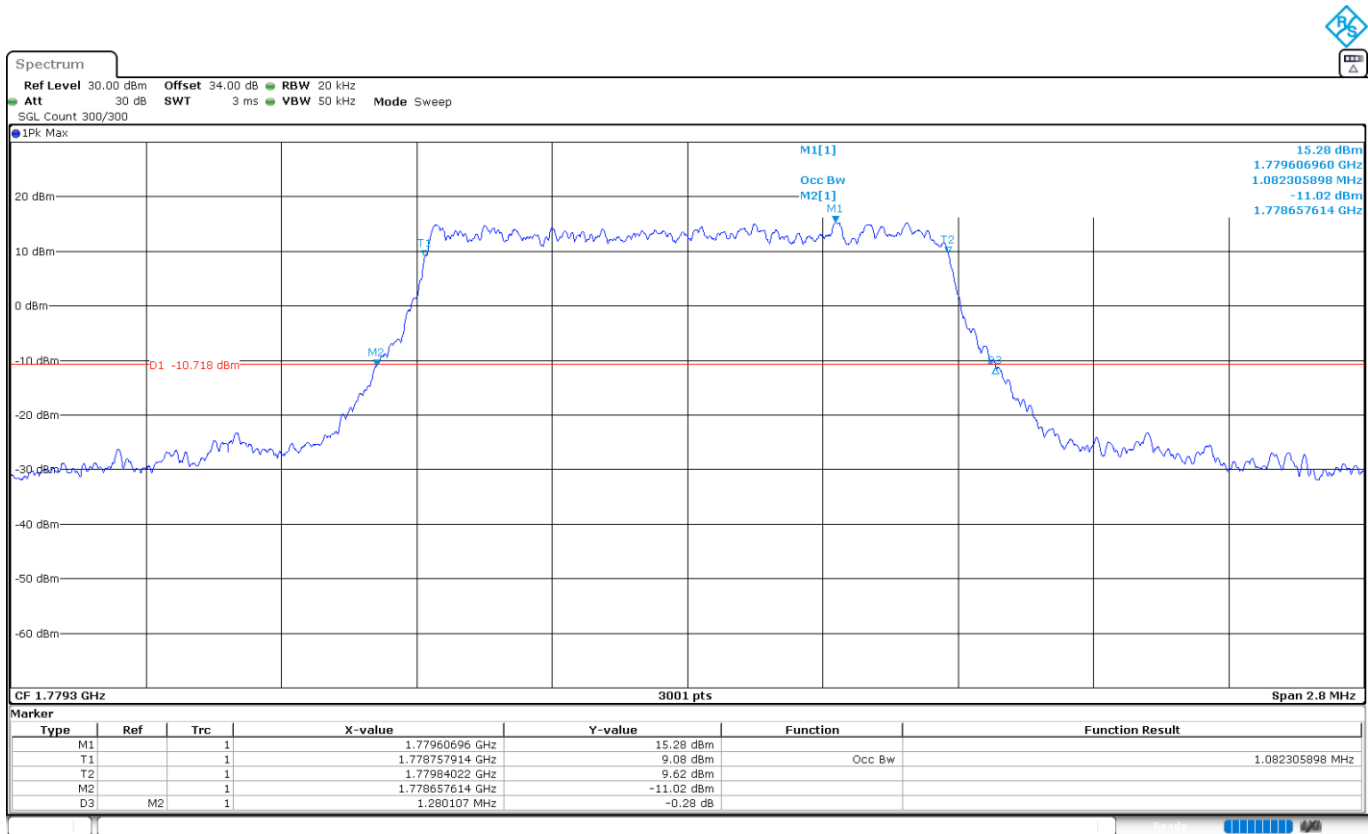
Low Channel:



Middle Channel:

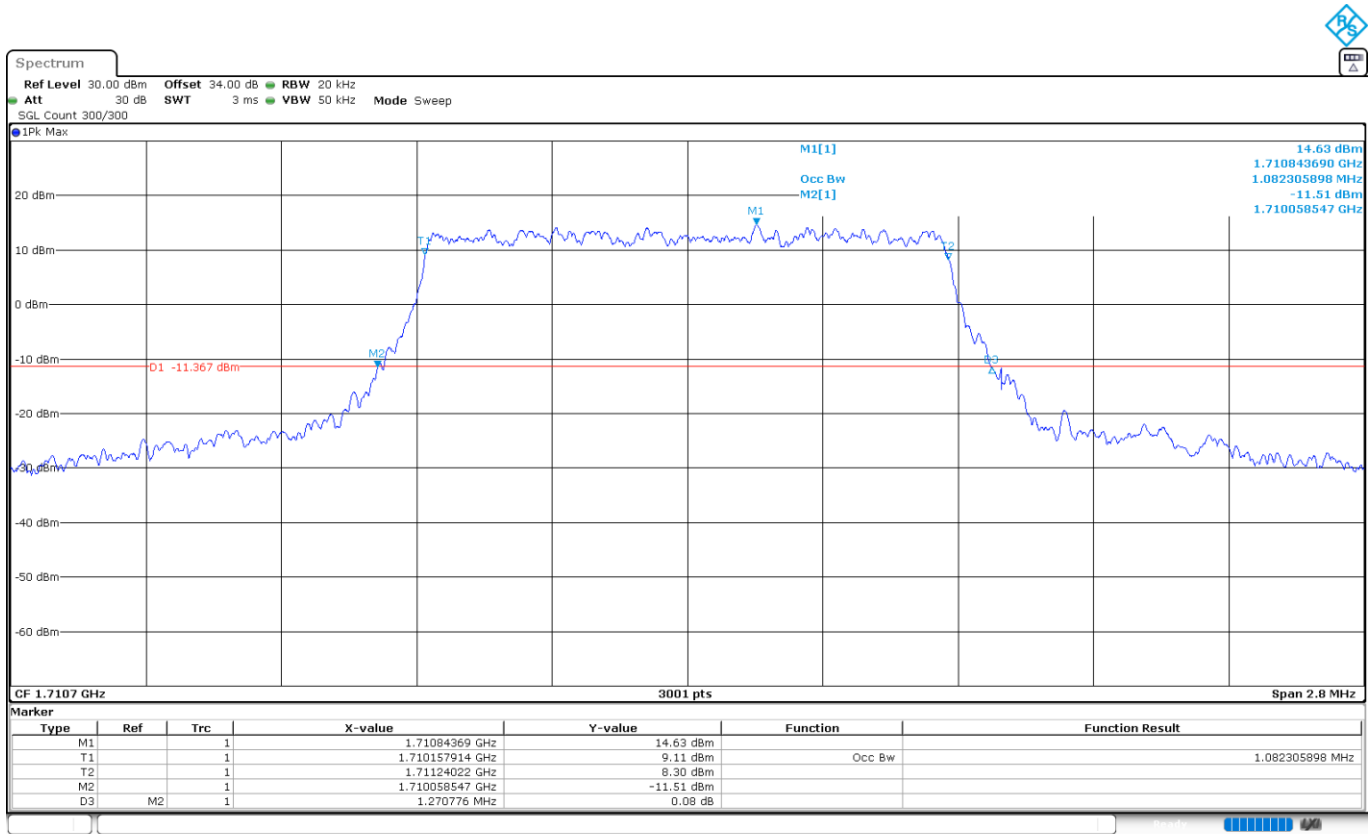


High Channel:

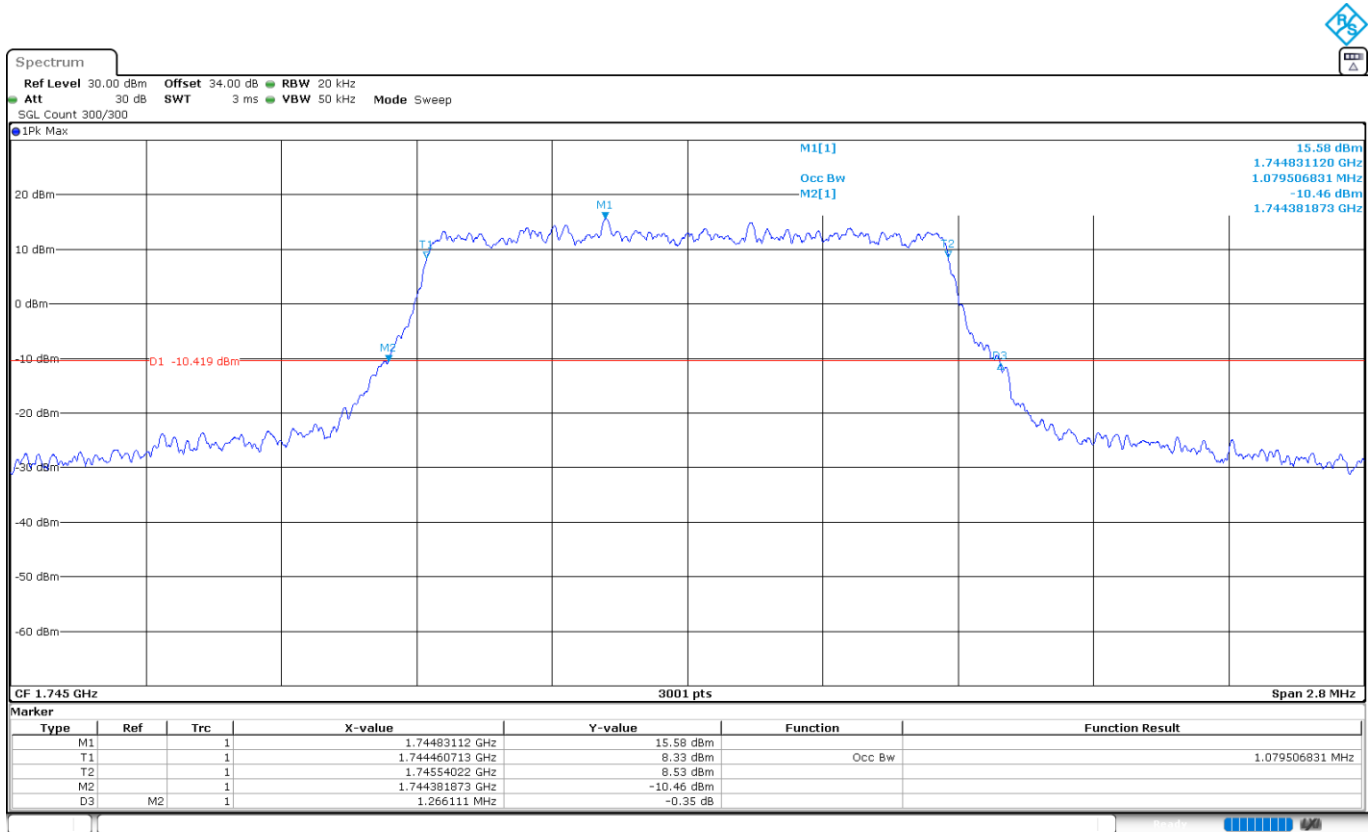


LTE Cat 1bis Band 66. BW=1.4 MHz. 16QAM. RB Size 5.

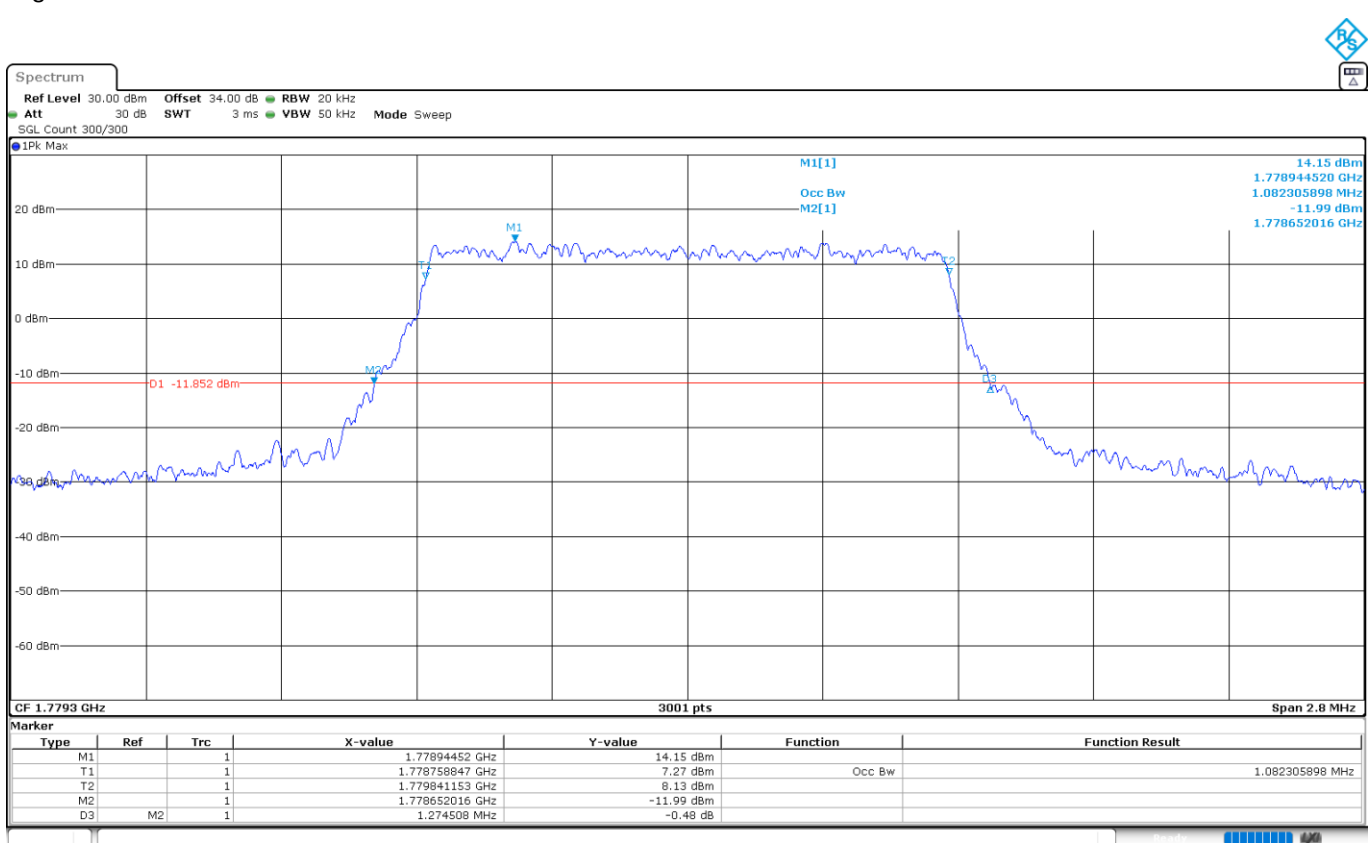
Low Channel:



Middle Channel:



High Channel:



LTE Cat 1bis Band 66. BW=3 MHz. QPSK. RB Size 6.

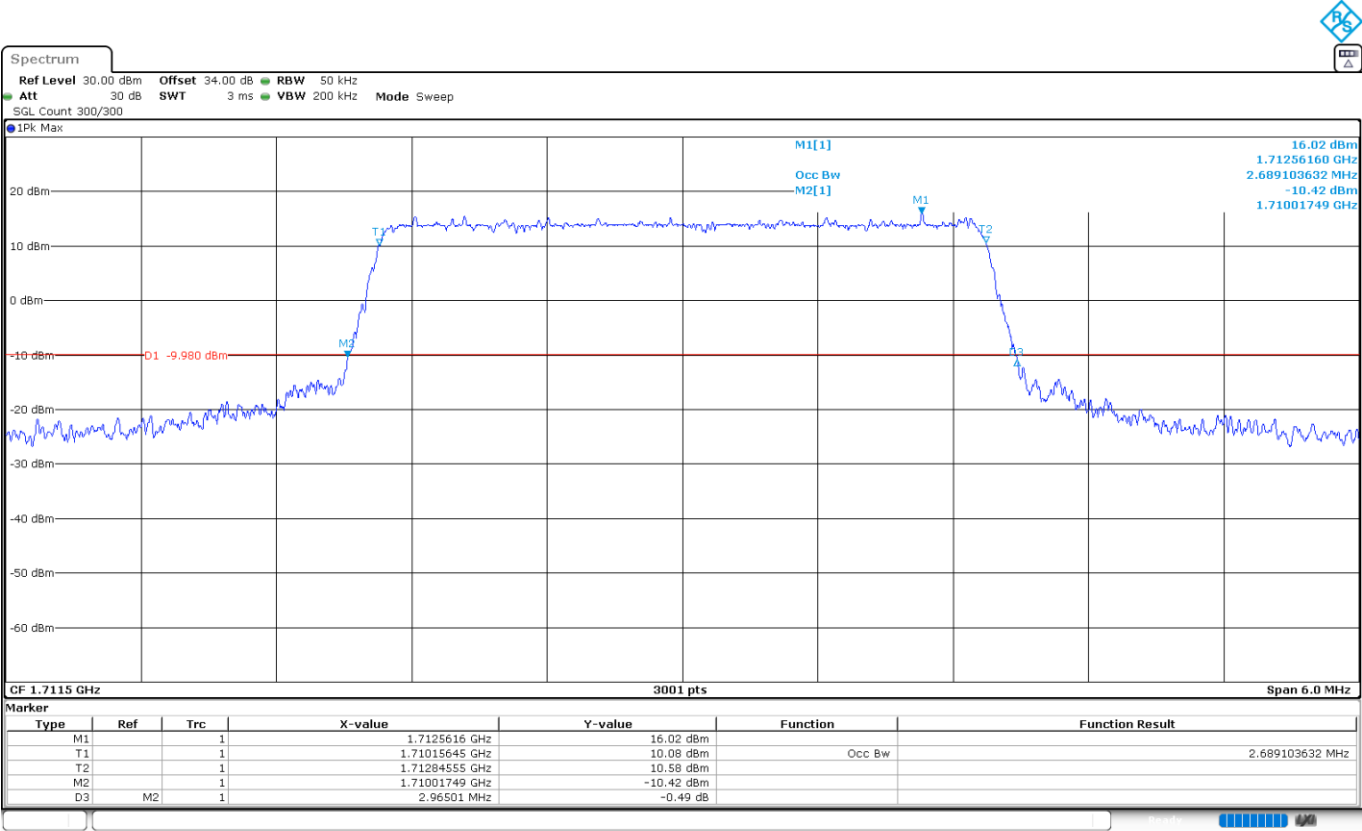
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	2.689103632000	2.697100966000	2.687104299000
-26 dBc Bandwidth (MHz)	2.965010000000	2.977010000000	2.957010000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=3 MHz. 16QAM. RB Size 5.

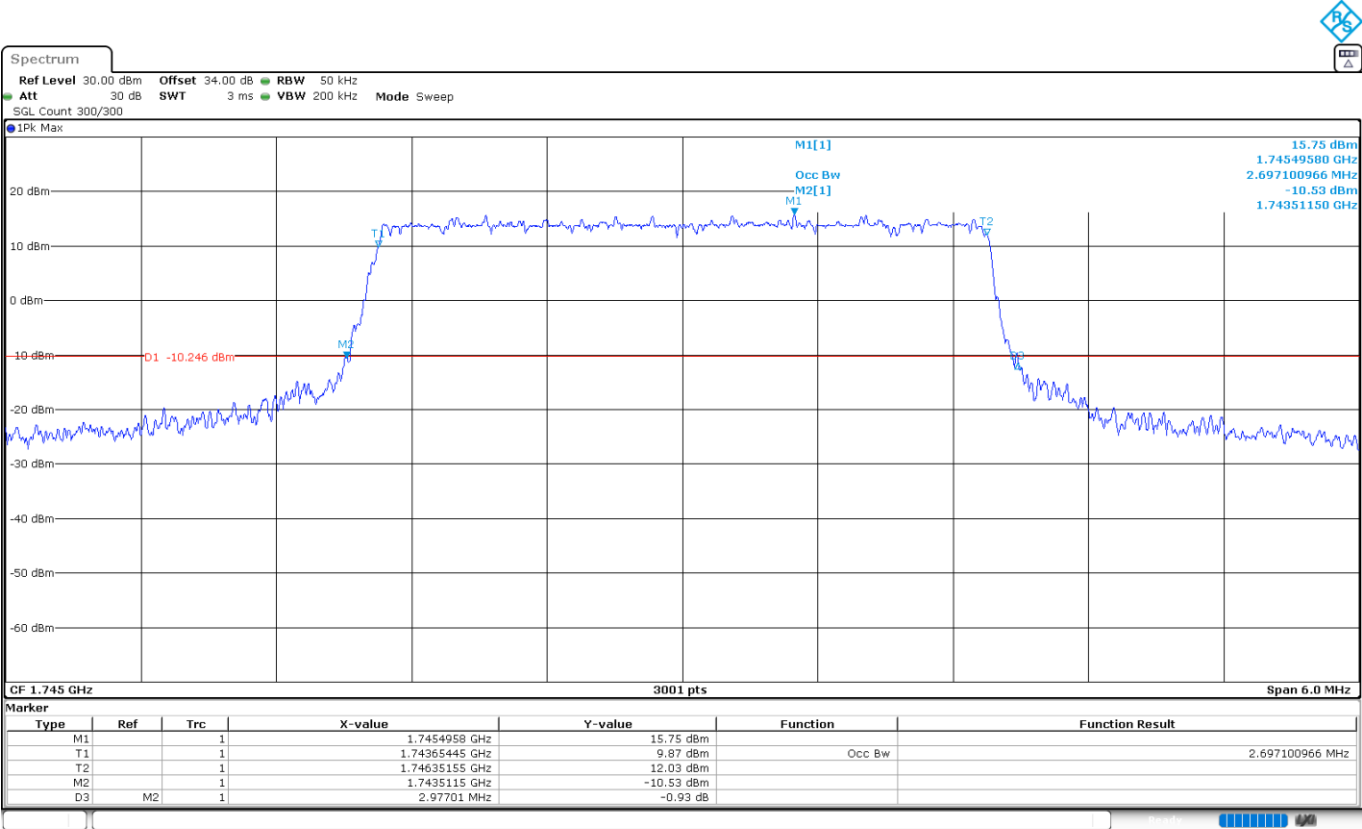
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	2.683105631000	2.689103632000	2.677107631000
-26 dBc Bandwidth (MHz)	2.985000000000	2.949020000000	2.951020000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=3 MHz. QPSK. RB Size 6.

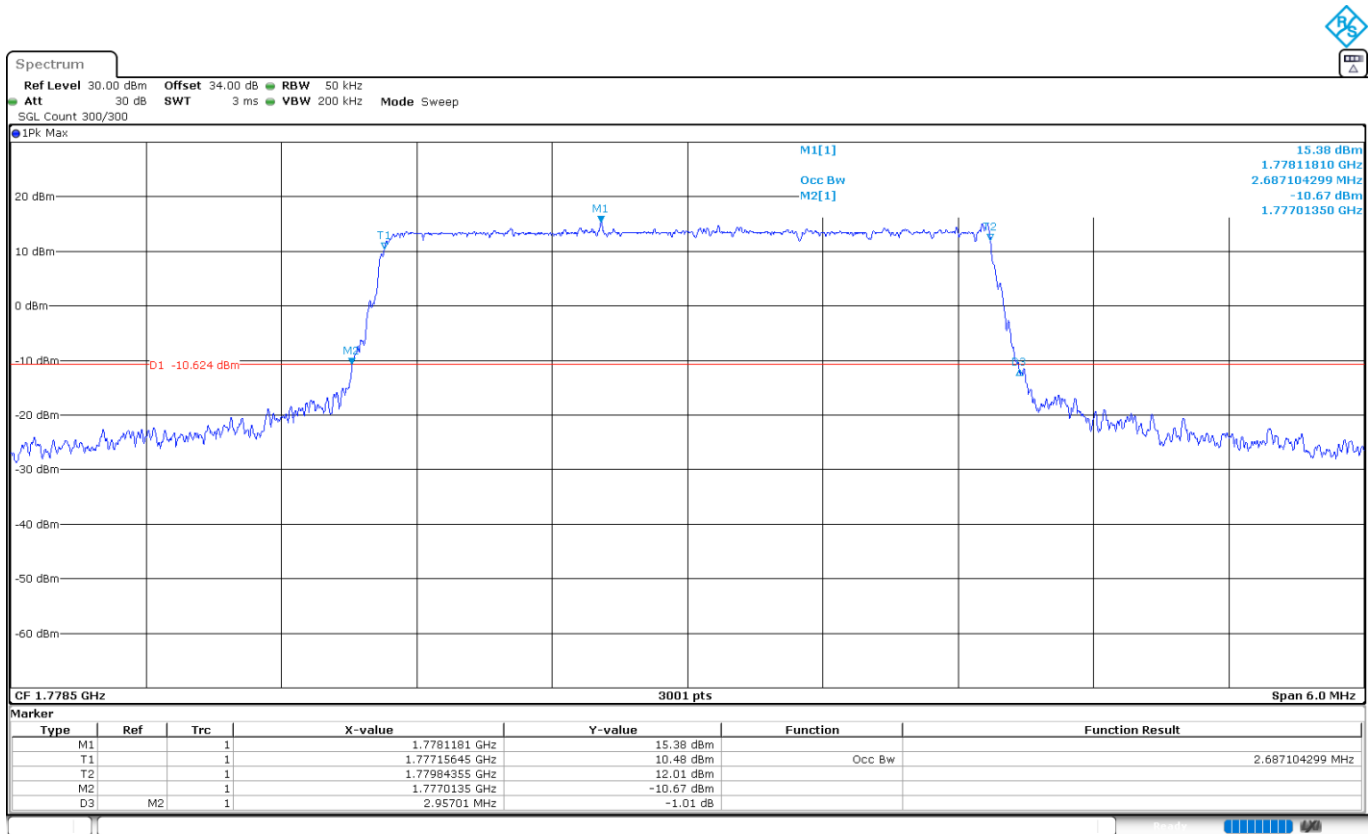
Low Channel:



Middle Channel:

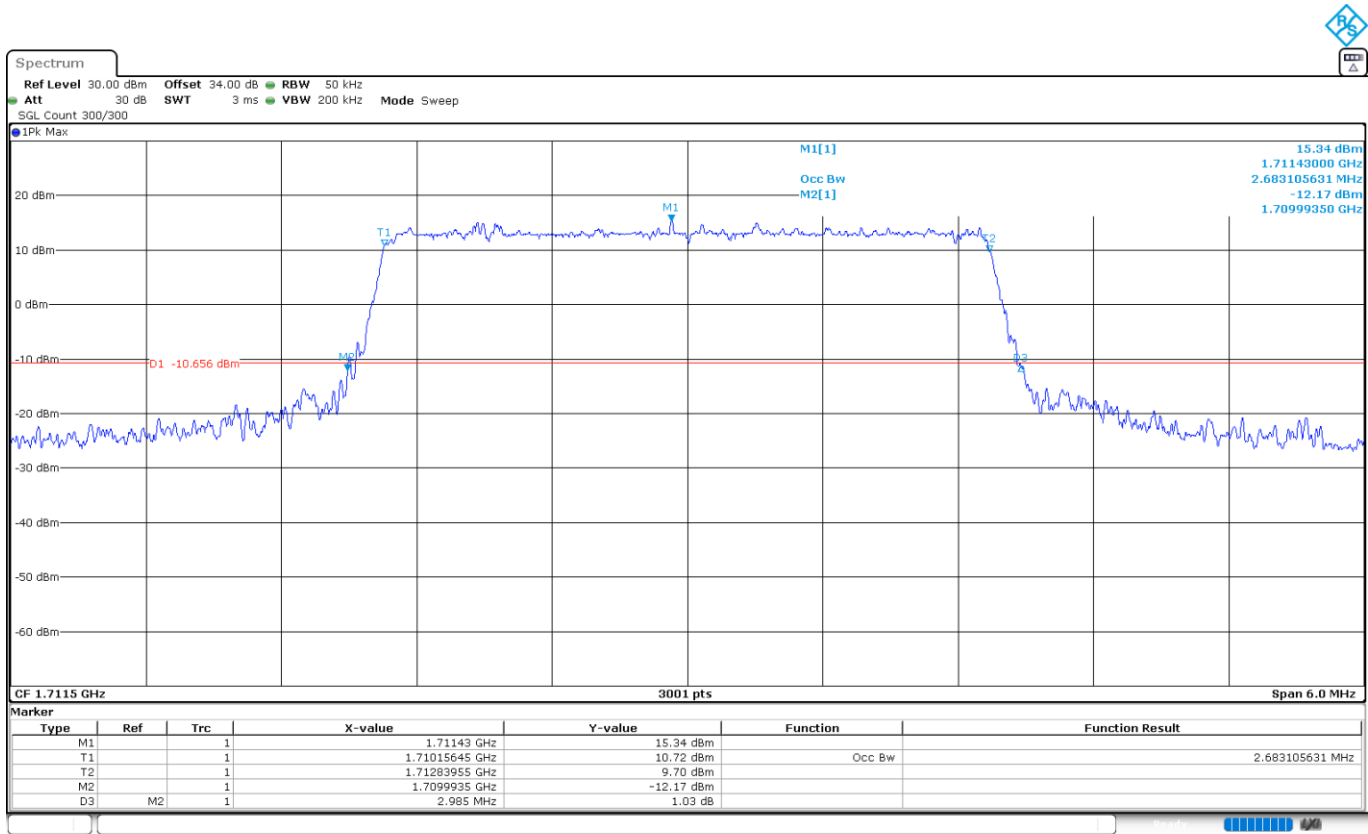


High Channel:

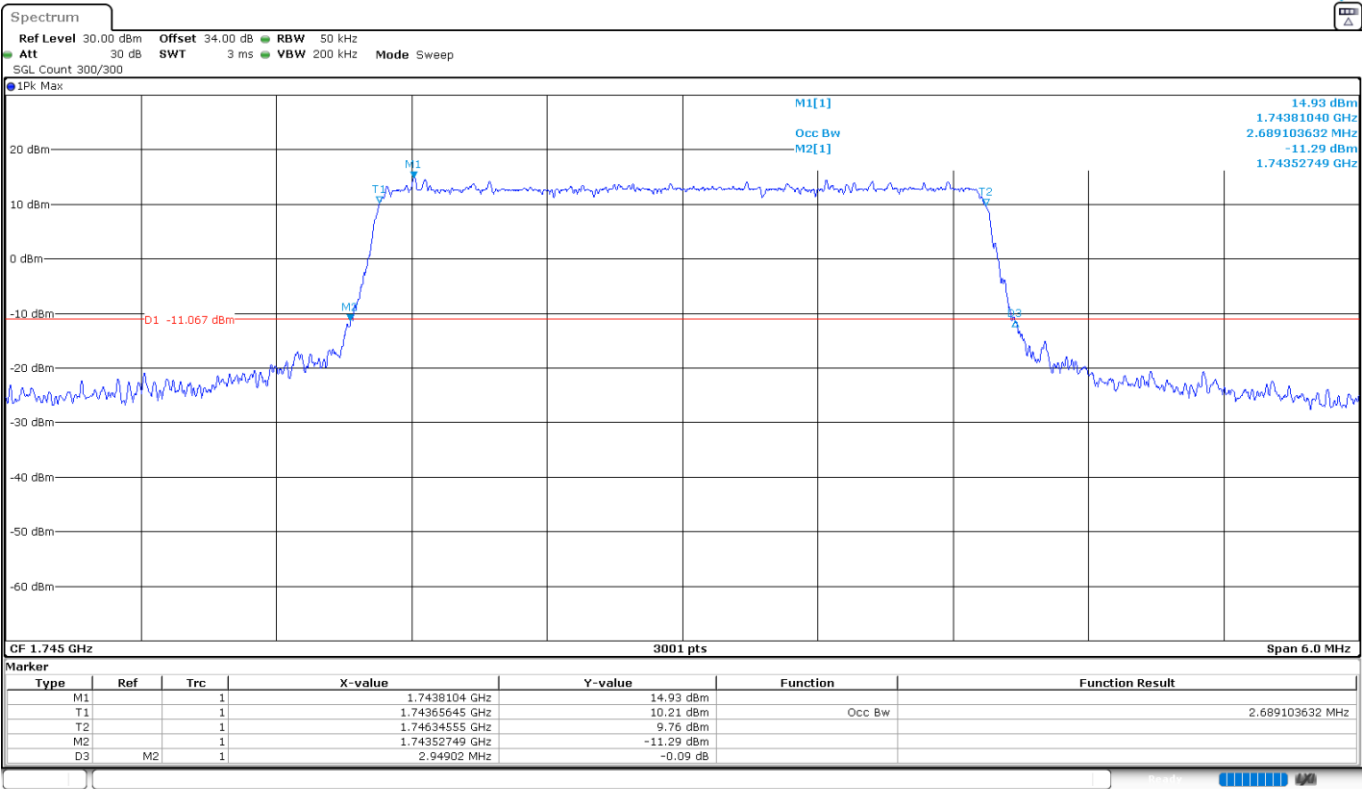


LTE Cat 1bis Band 66. BW=3 MHz. 16QAM. RB Size 5.

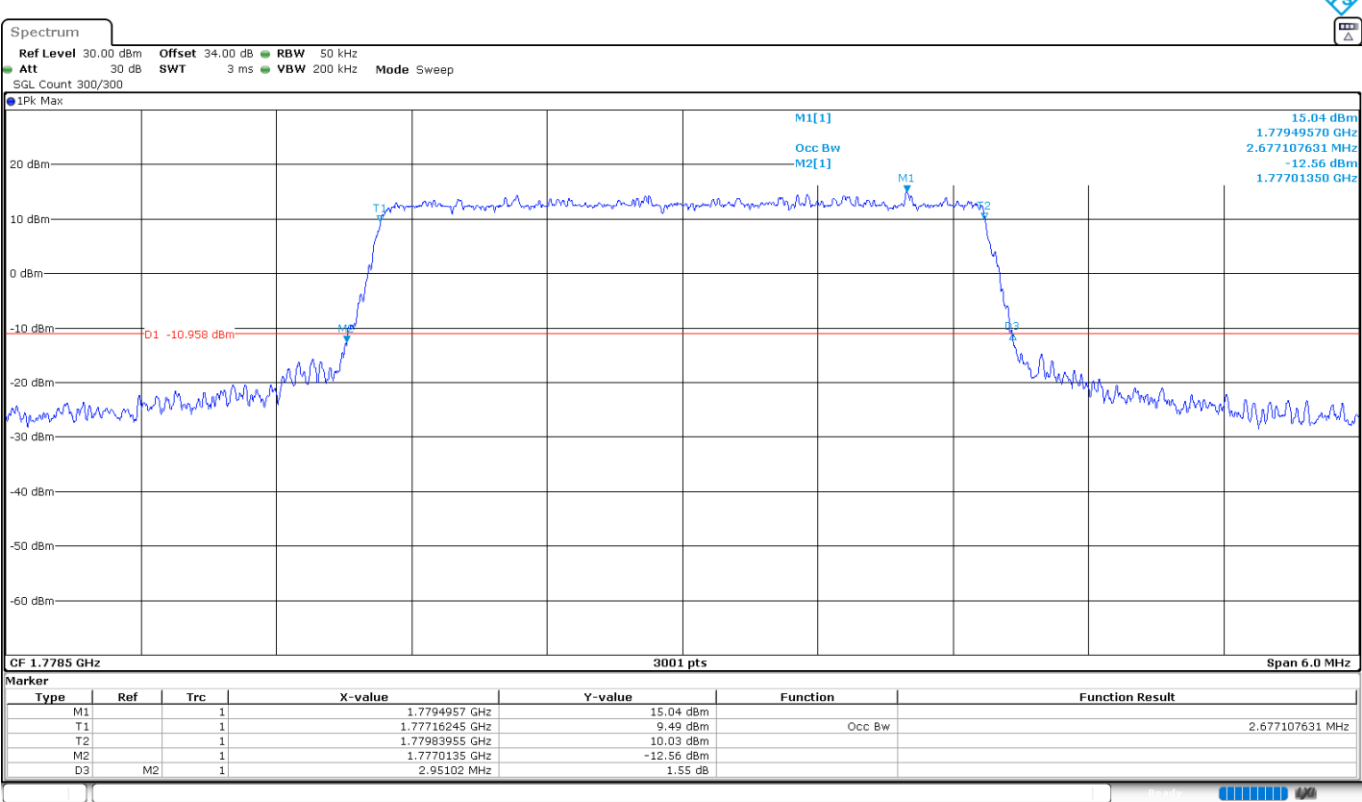
Low Channel:



Middle Channel:



High Channel:



LTE Cat 1bis Band 66. BW=5 MHz. QPSK. RB Size 6.

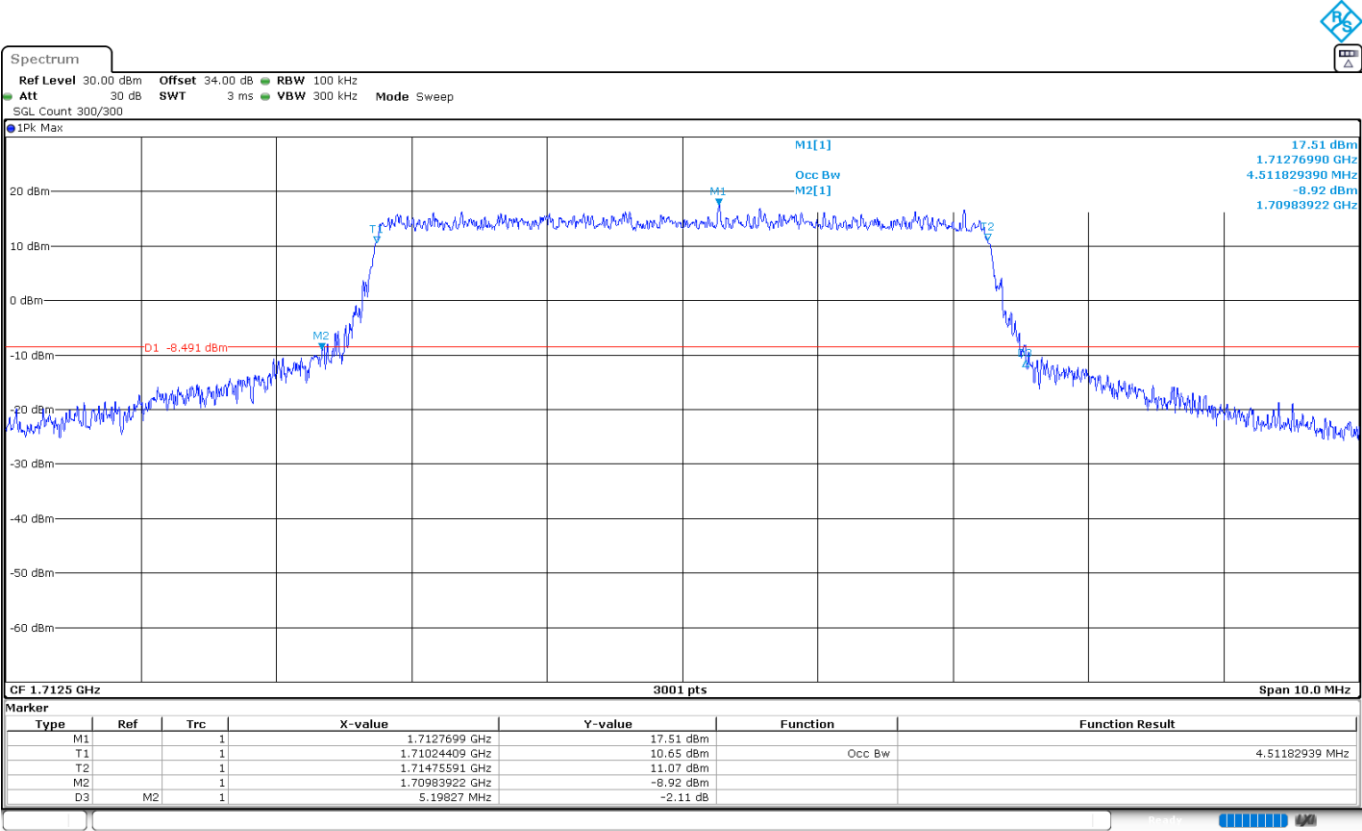
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	4.511829390000	4.505164945000	4.511829390000
-26 dBc Bandwidth (MHz)	5.198270000000	5.091640000000	5.161610000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=5 MHz. 16QAM. RB Size 5.

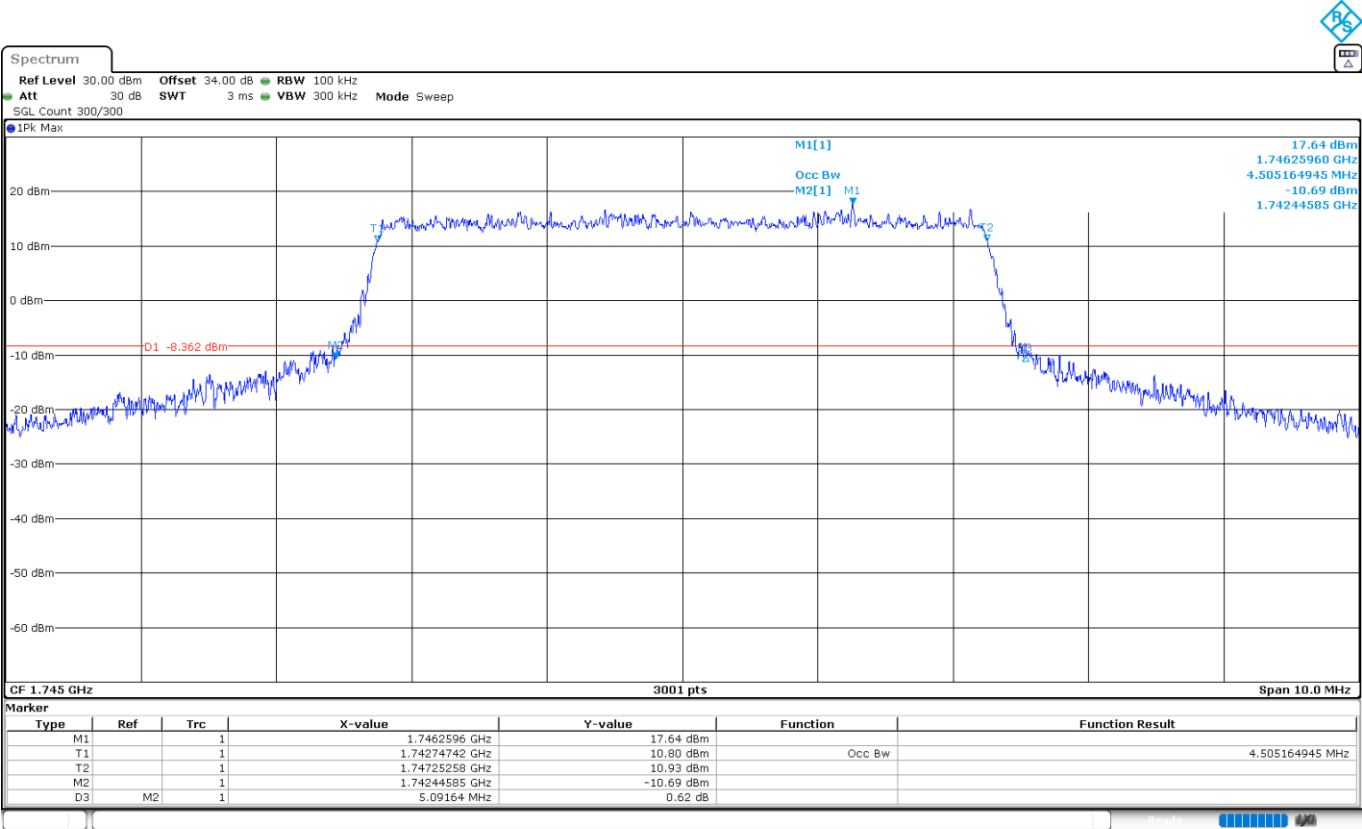
Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	4.511829390000	4.515161613000	4.508497168000
-26 dBc Bandwidth (MHz)	5.241590000000	5.351550000000	5.104970000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=5 MHz. QPSK. RB Size 6.

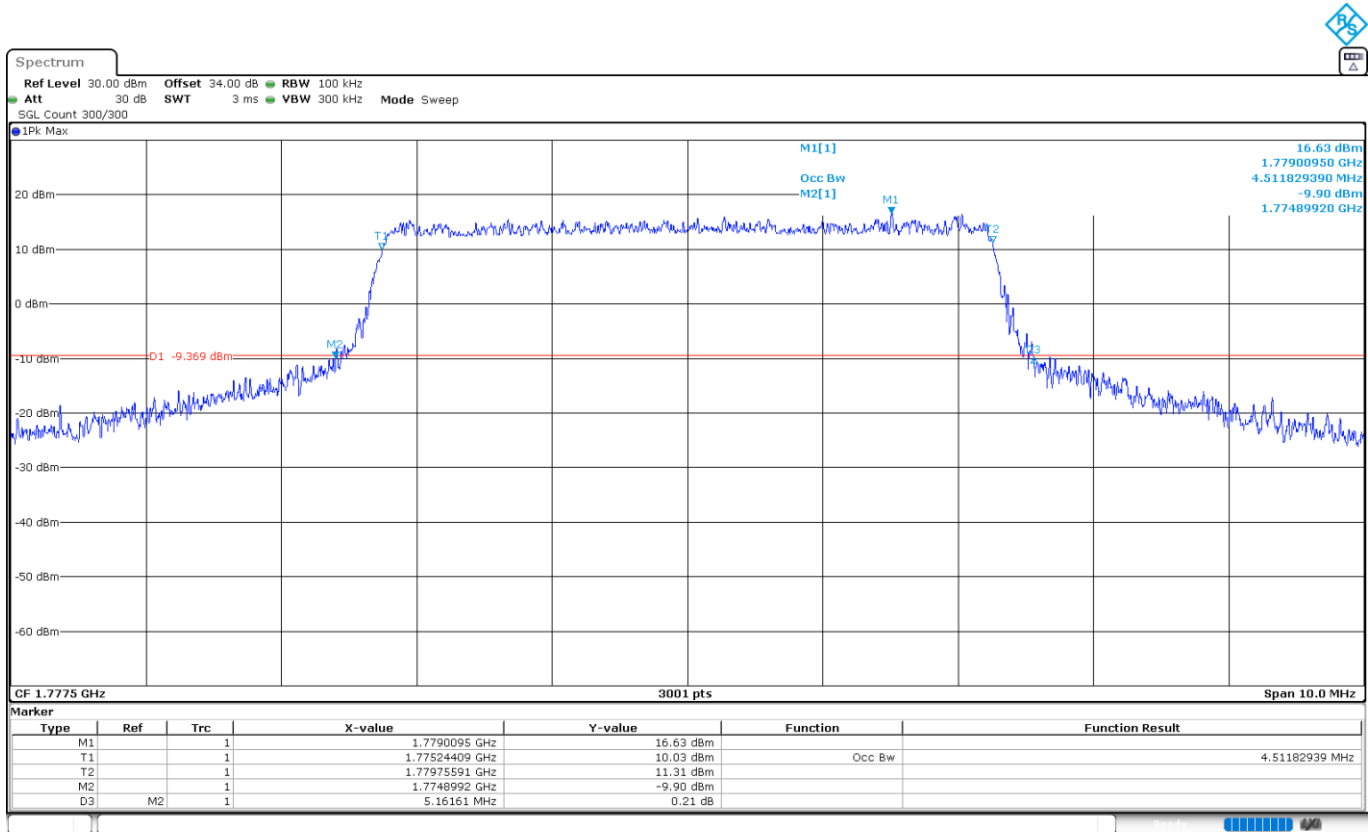
Low Channel:



Middle Channel:

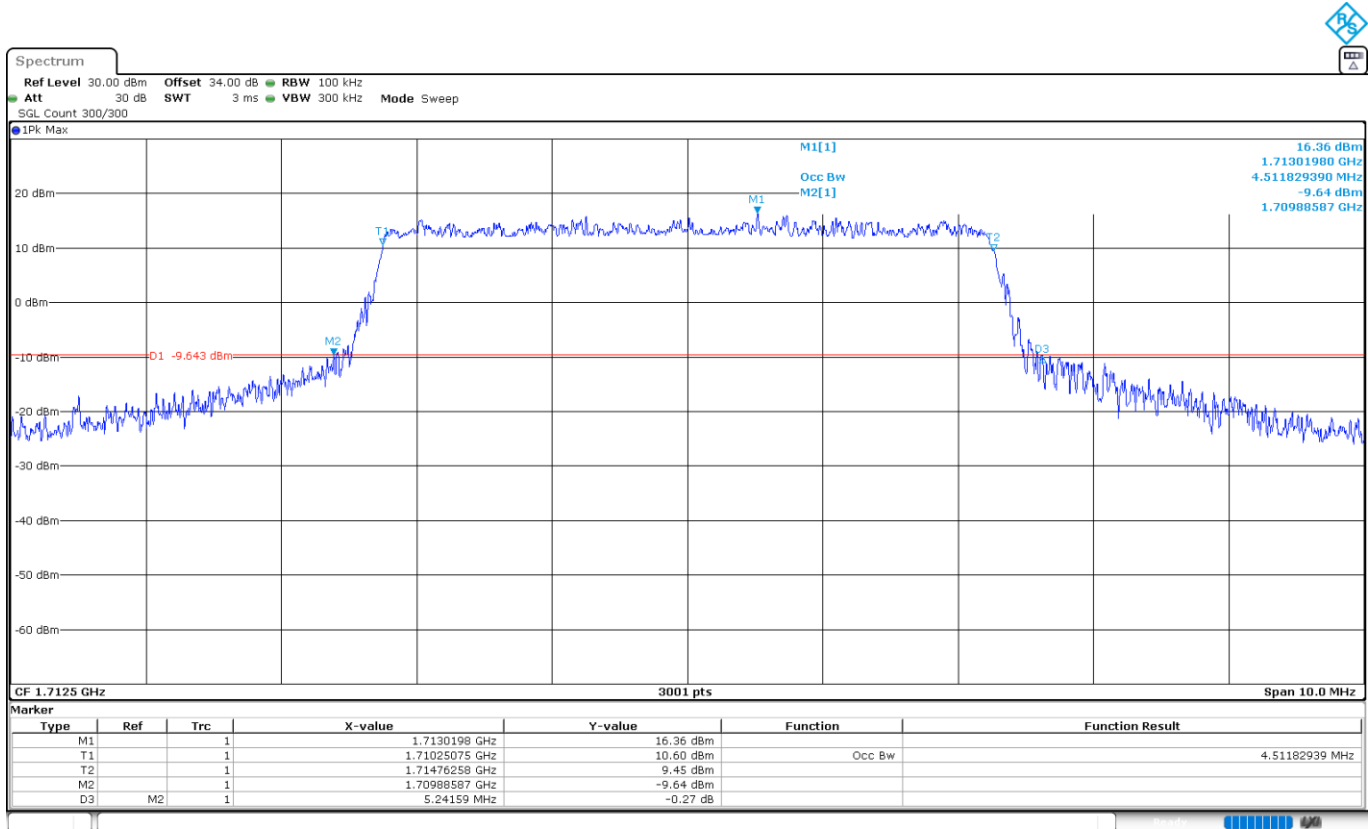


High Channel:

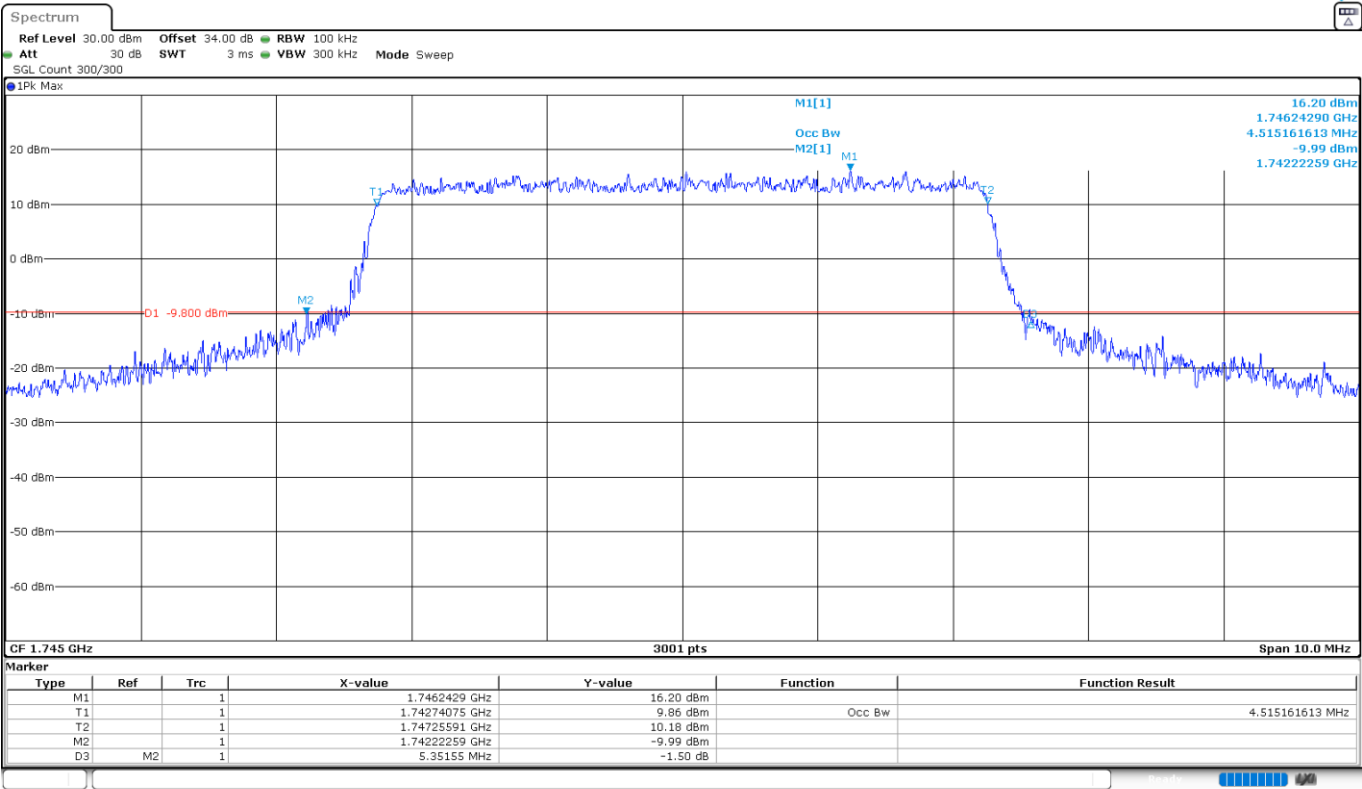


LTE Cat 1bis Band 66. BW=5 MHz. 16QAM. RB Size 5.

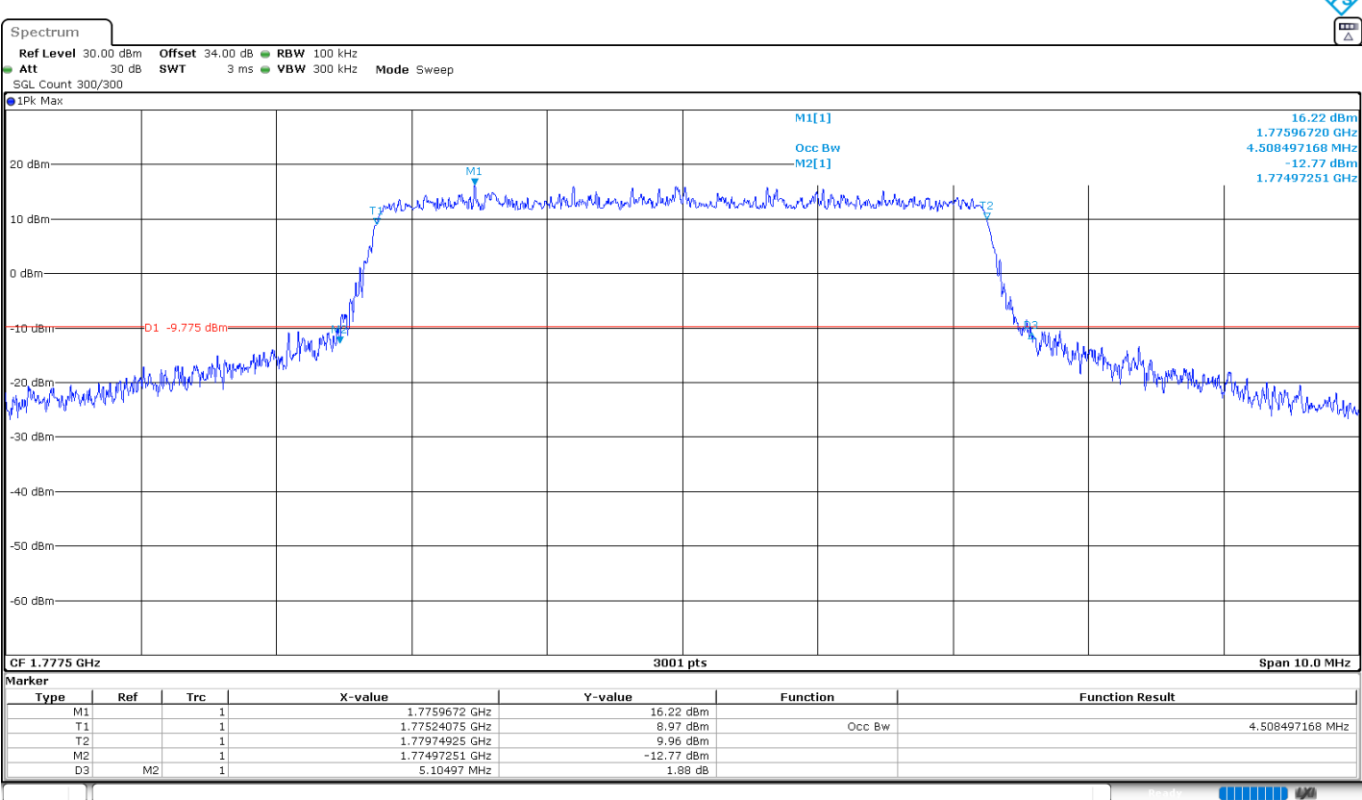
Low Channel:



Middle Channel:



High Channel:



LTE Cat 1bis Band 66. BW=10 MHz. QPSK. RB Size 6.

Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	8.997001000000	8.983672109000	9.003665445000
-26 dBc Bandwidth (MHz)	10.309900000000	10.149950000000	10.176610000000
Measurement uncertainty (kHz)	<±3.75		

LTE Cat 1bis Band 66. BW=10 MHz. 16QAM. RB Size 5.

Channel	Low	Middle	High
99% Occupied Bandwidth (MHz)	4.538487171000	4.531822726000	4.538488717100
-26 dBc Bandwidth (MHz)	5.358210000000	5.544820000000	5.424486000000
Measurement uncertainty (kHz)	<±3.75		