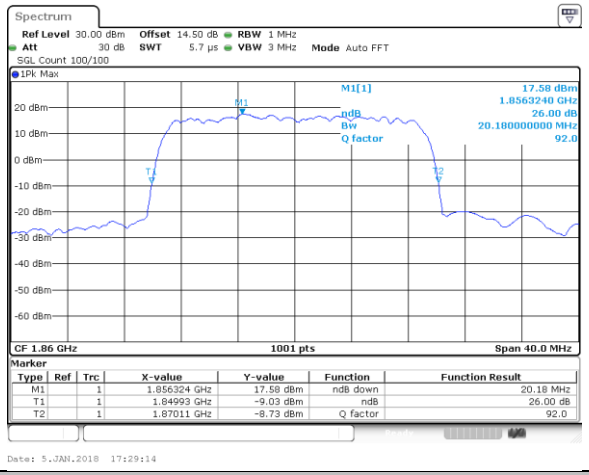
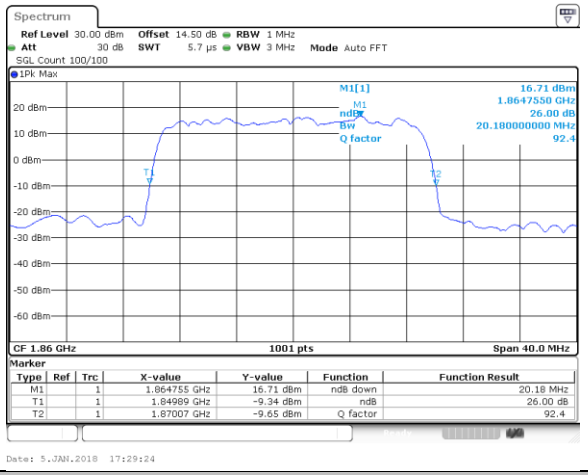
LTE Band 2

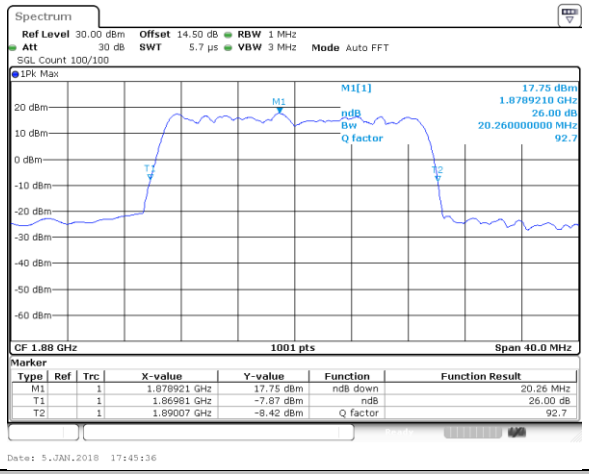
Lowest Channel / 20MHz / QPSK



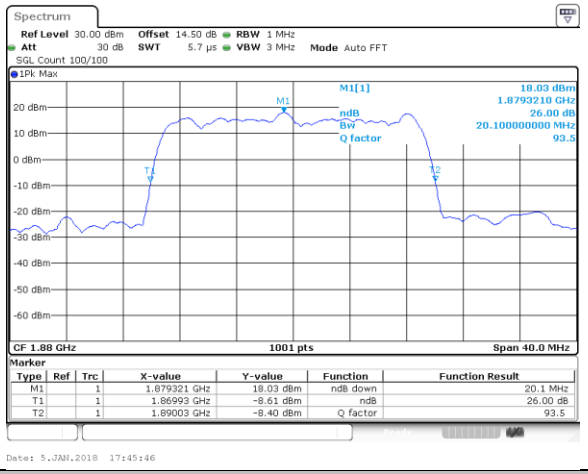
Lowest Channel / 20MHz / 16QAM



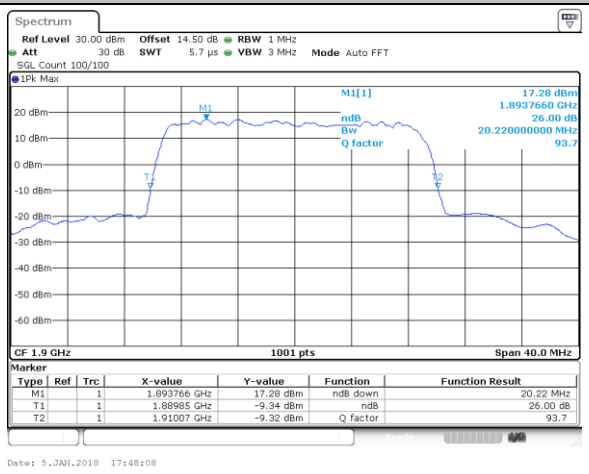
Middle Channel / 20MHz / QPSK



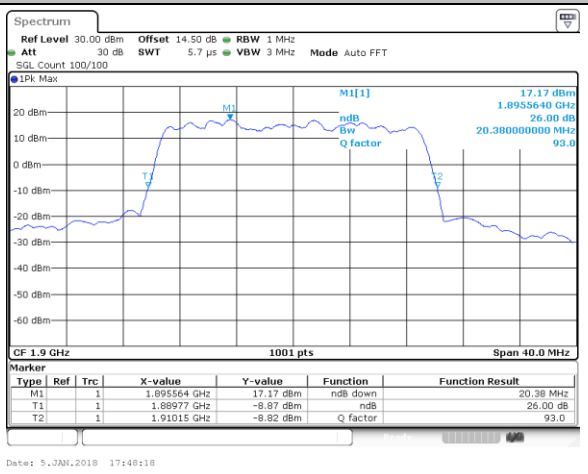
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

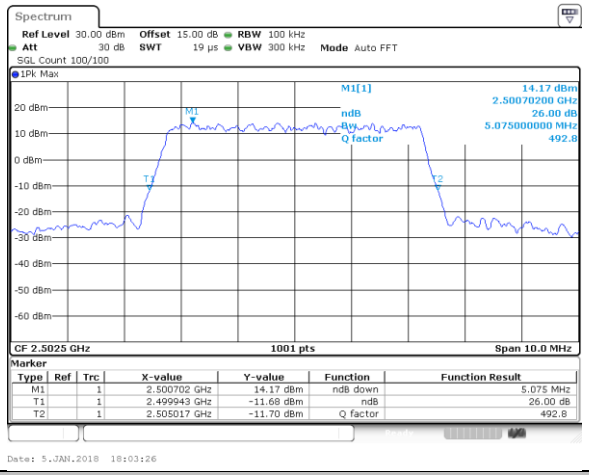


Highest Channel / 20MHz / 16QAM

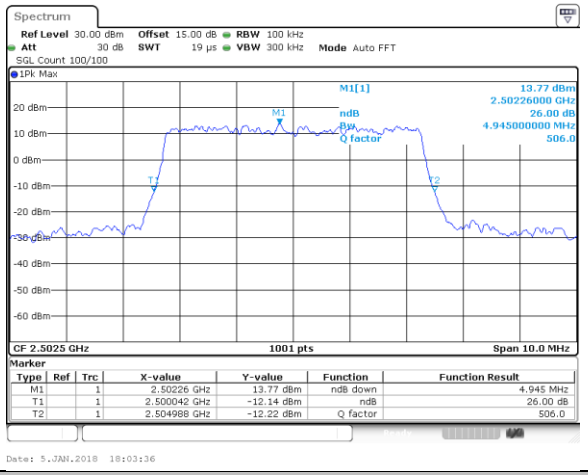


LTE Band 7

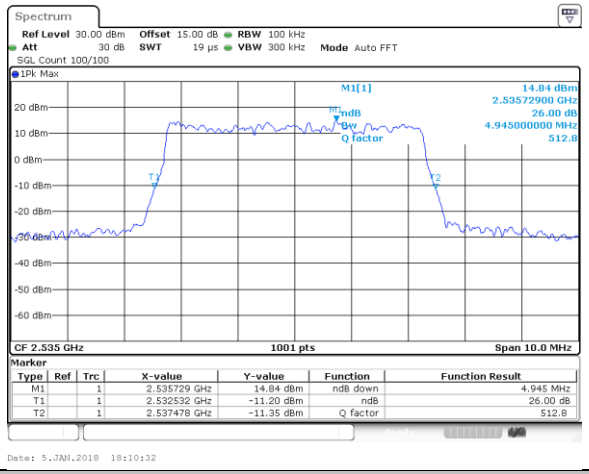
Lowest Channel / 5MHz / QPSK



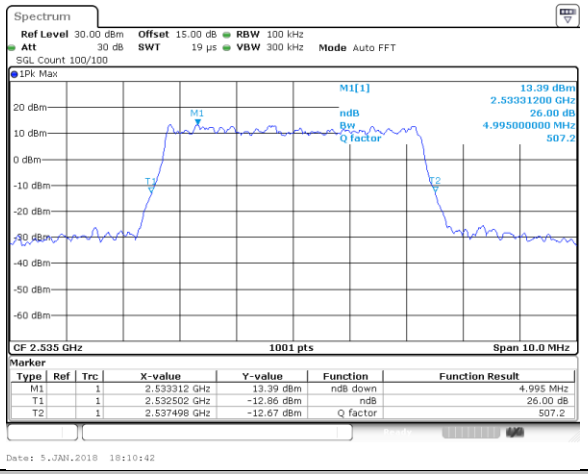
Lowest Channel / 5MHz / 16QAM



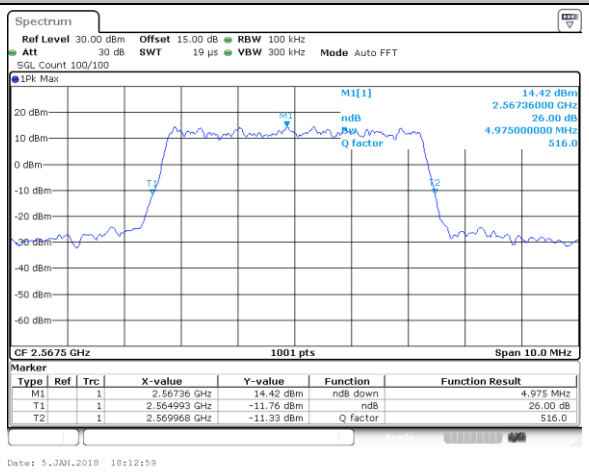
Middle Channel / 5MHz / QPSK



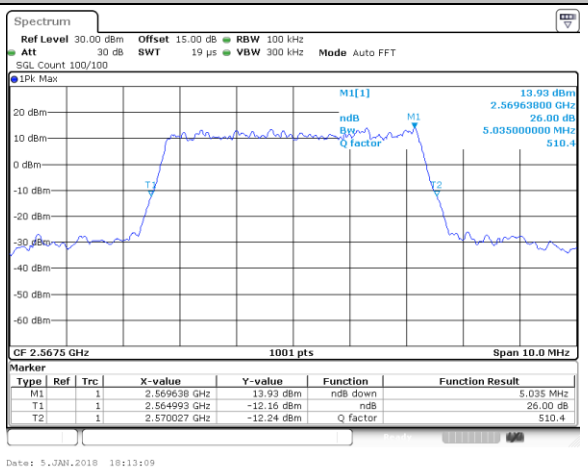
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

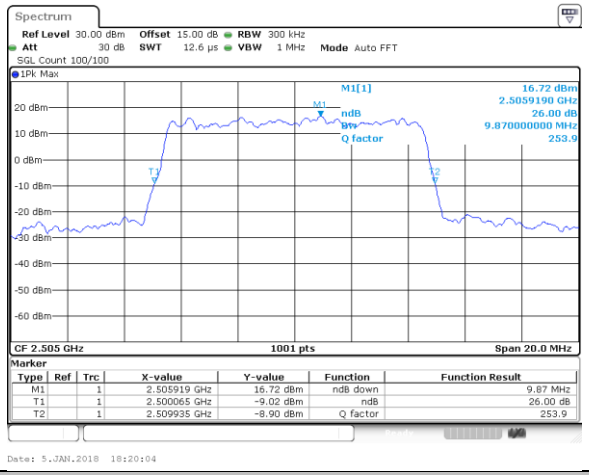


Highest Channel / 5MHz / 16QAM

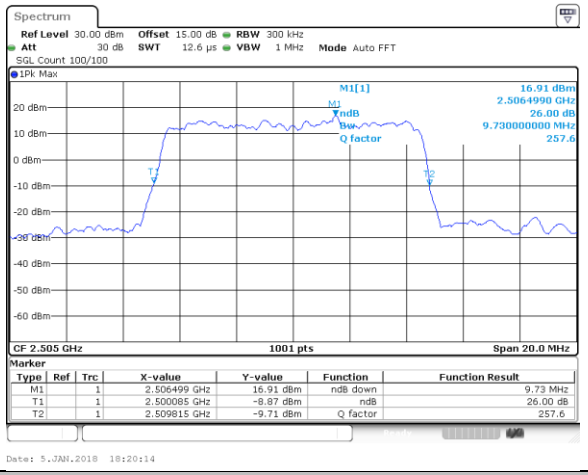


LTE Band 7

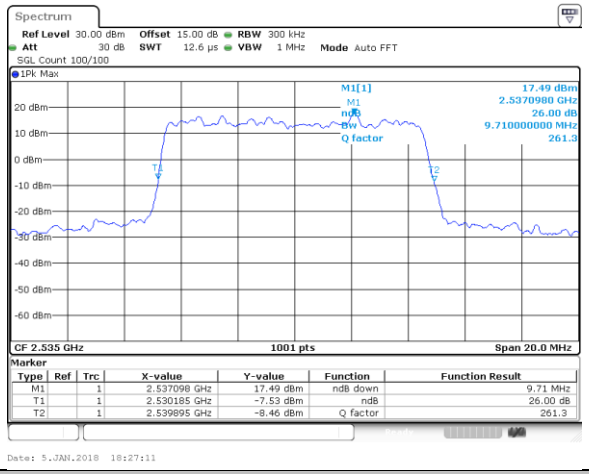
Lowest Channel / 10MHz / QPSK



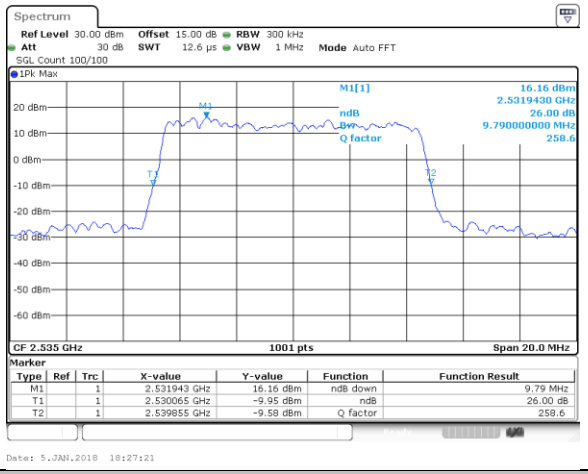
Lowest Channel / 10MHz / 16QAM



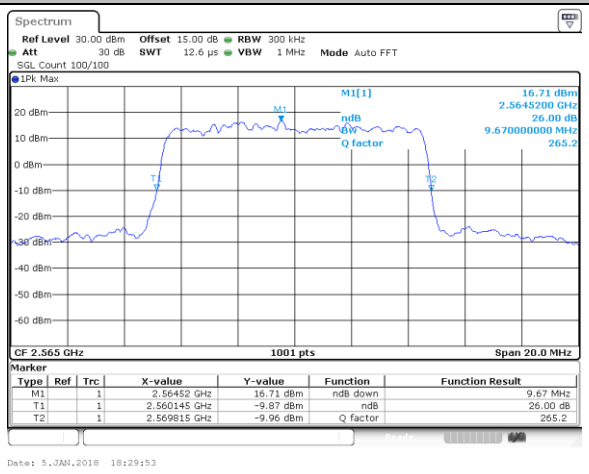
Middle Channel / 10MHz / QPSK



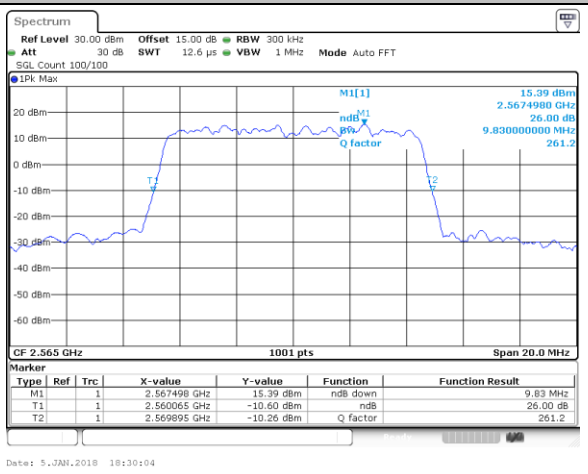
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

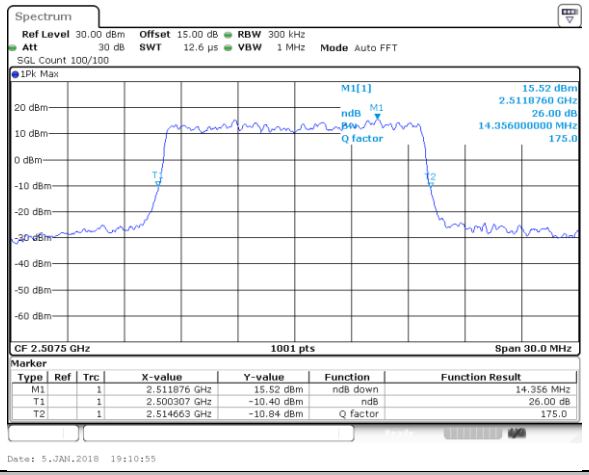


Highest Channel / 10MHz / 16QAM

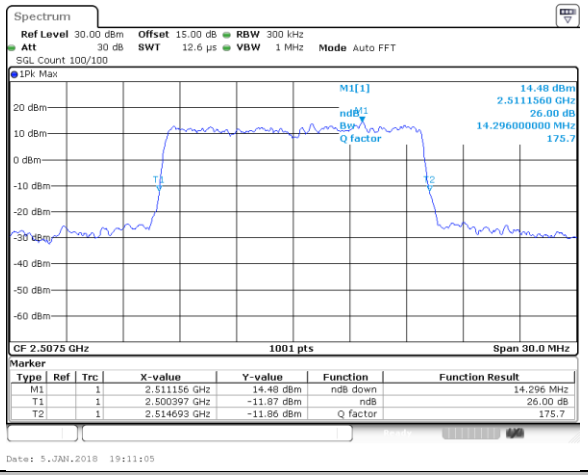


LTE Band 7

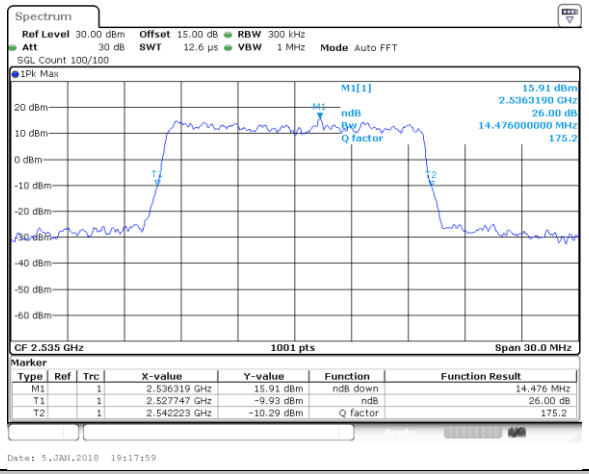
Lowest Channel / 15MHz / QPSK



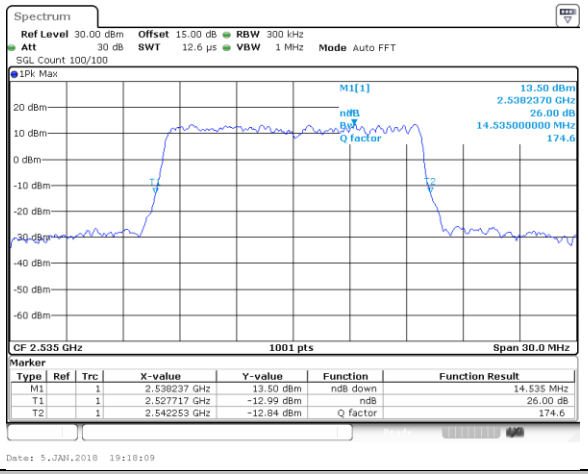
Lowest Channel / 15MHz / 16QAM



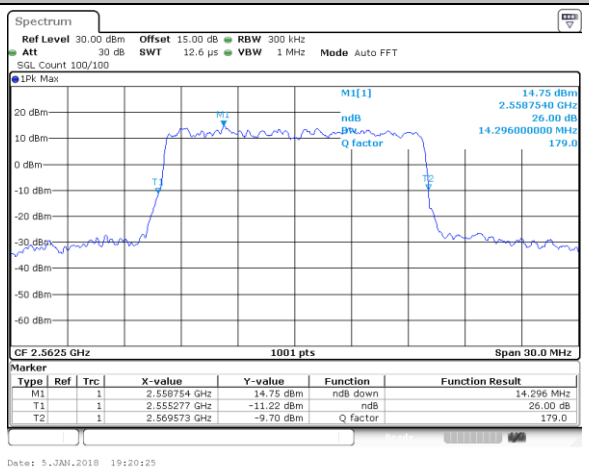
Middle Channel / 15MHz / QPSK



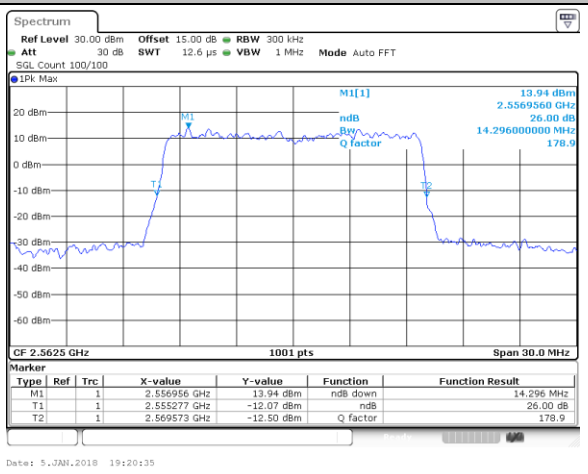
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

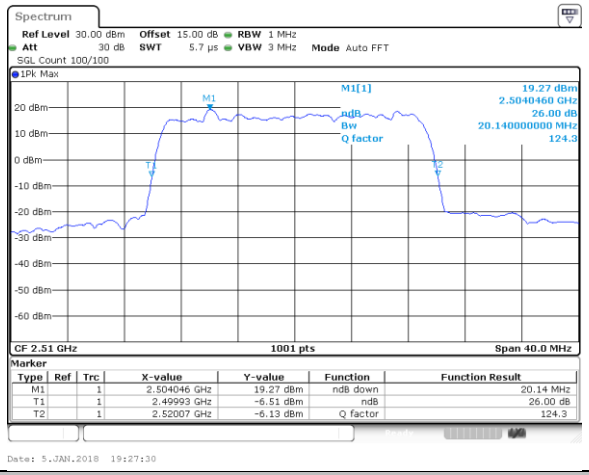


Highest Channel / 15MHz / 16QAM

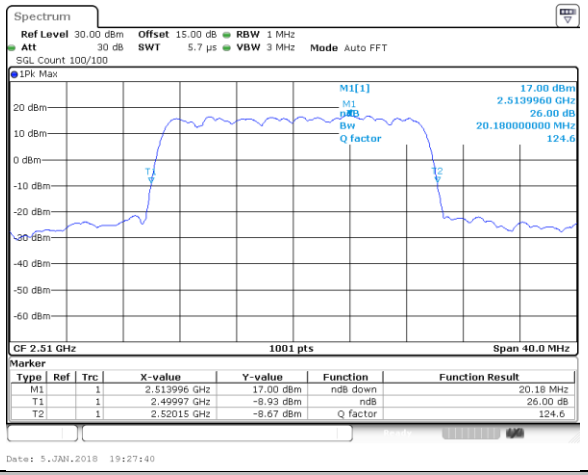


LTE Band 7

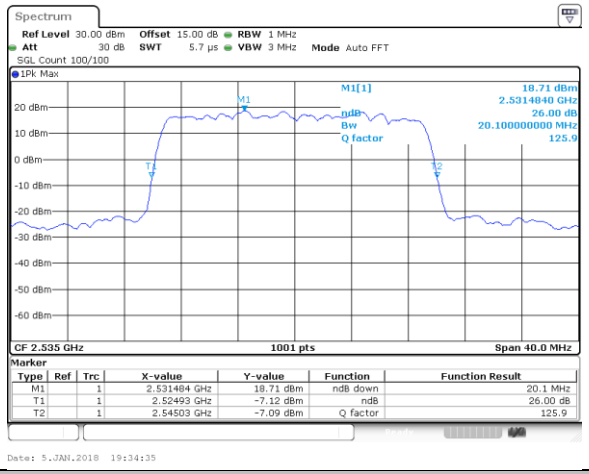
Lowest Channel / 20MHz / QPSK



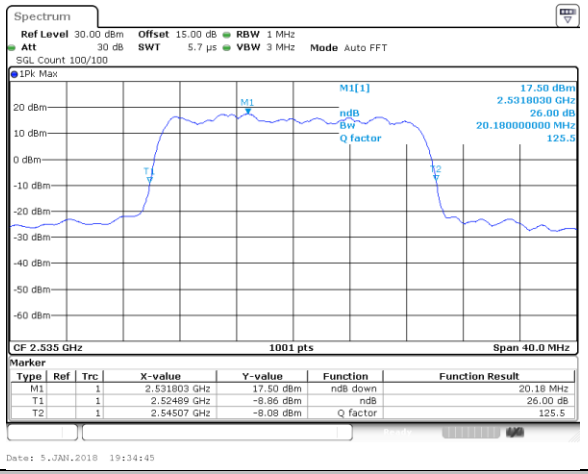
Lowest Channel / 20MHz / 16QAM



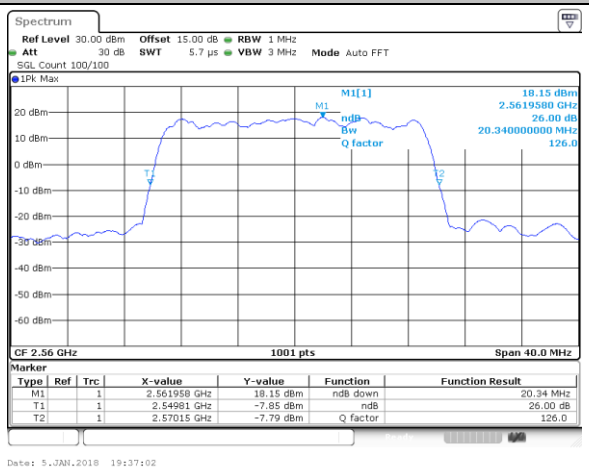
Middle Channel / 20MHz / QPSK



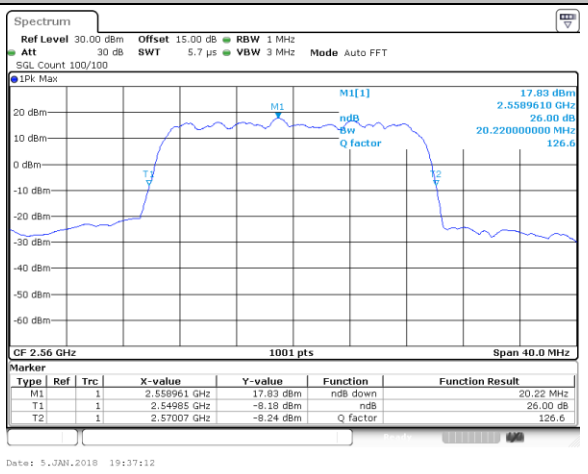
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



Occupied Bandwidth

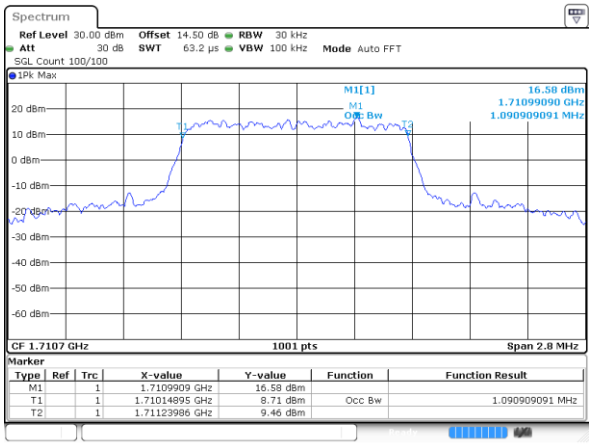
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.73	4.52	4.51	9.03	9.07	13.43	13.46	18.42	18.42
Middle CH	1.09	1.09	2.72	2.73	4.52	4.51	9.11	9.01	13.46	13.49	18.42	18.38
Highest CH	1.10	1.10	2.73	2.72	4.51	4.52	9.03	9.01	13.40	13.43	18.34	18.46

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.72	4.50	4.50	8.97	9.07	13.37	13.49	18.54	18.50
Middle CH	1.09	1.09	2.72	2.71	4.50	4.50	9.03	9.03	13.49	13.46	18.42	18.42
Highest CH	1.09	1.10	2.73	2.72	4.50	4.52	9.07	9.09	13.46	13.49	18.38	18.38

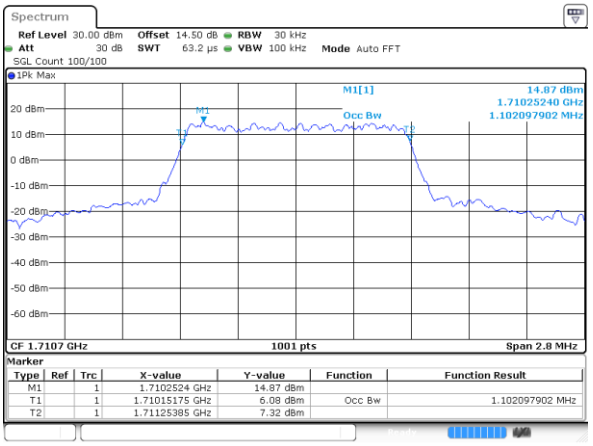
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.51	9.05	9.01	13.43	13.52	18.46	18.50
Middle CH	-	-	-	-	4.52	4.52	9.05	8.99	13.52	13.49	18.42	18.50
Highest CH	-	-	-	-	4.50	4.52	9.05	9.01	13.52	13.43	18.42	18.42

LTE Band 4

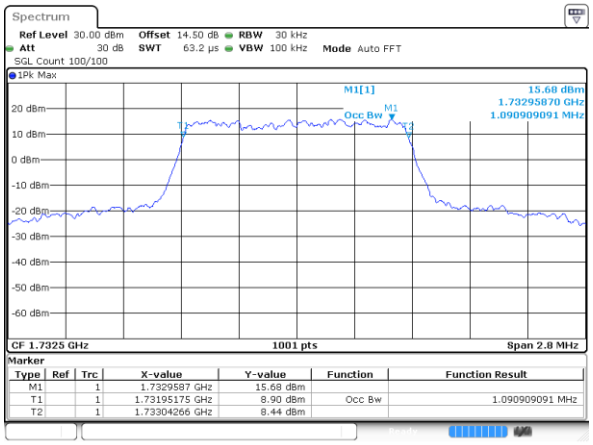
Lowest Channel / 1.4MHz / QPSK



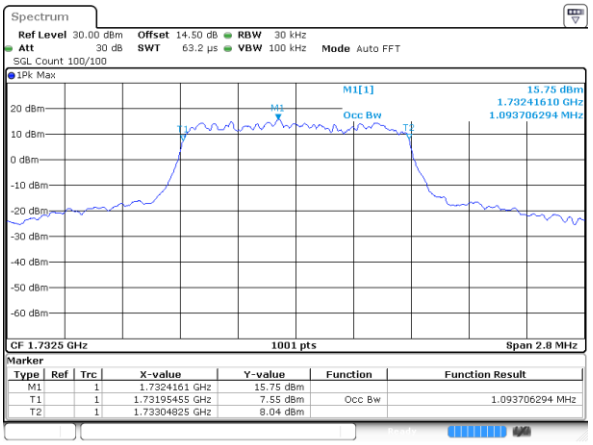
Lowest Channel / 1.4MHz / 16QAM



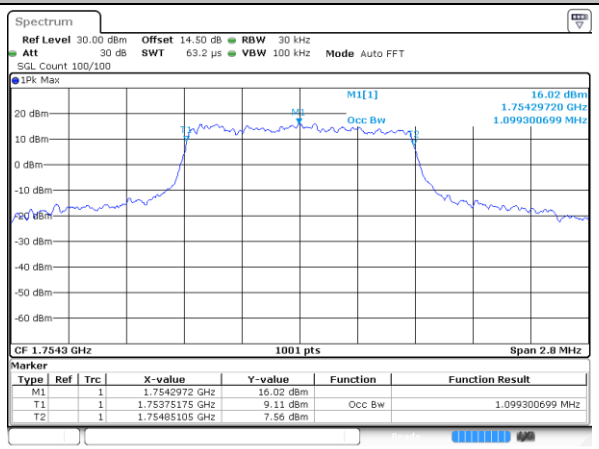
Middle Channel / 1.4MHz / QPSK



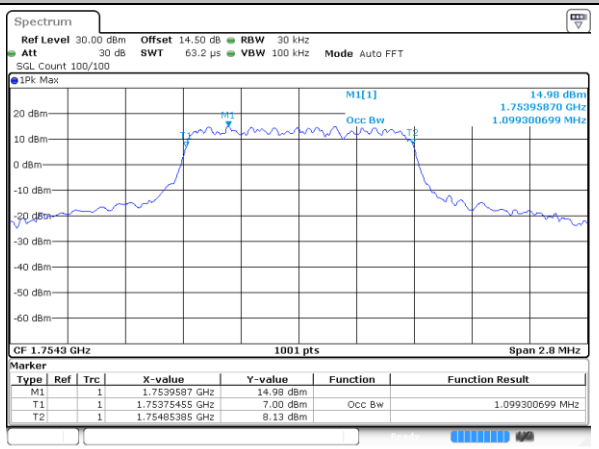
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

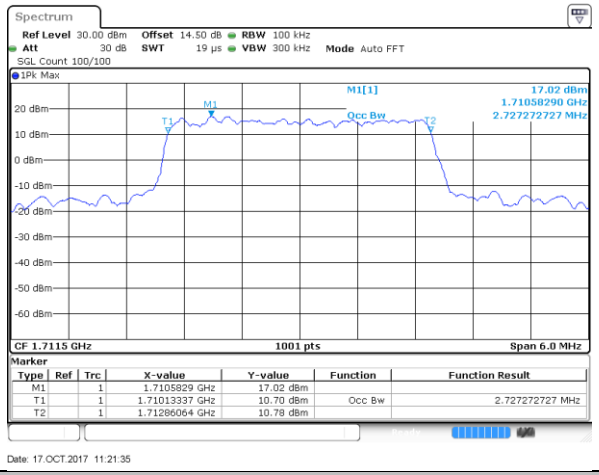


Highest Channel / 1.4MHz / 16QAM

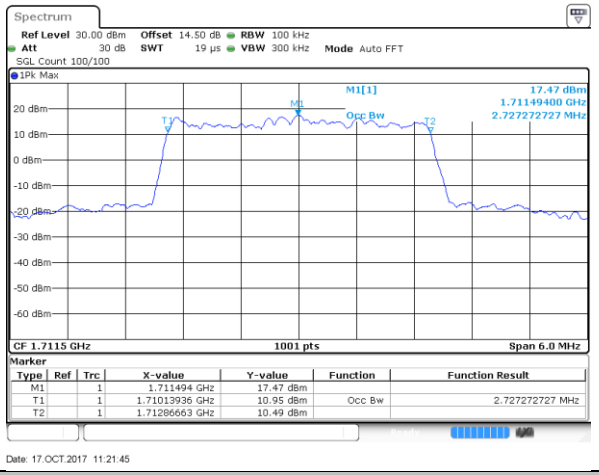


LTE Band 4

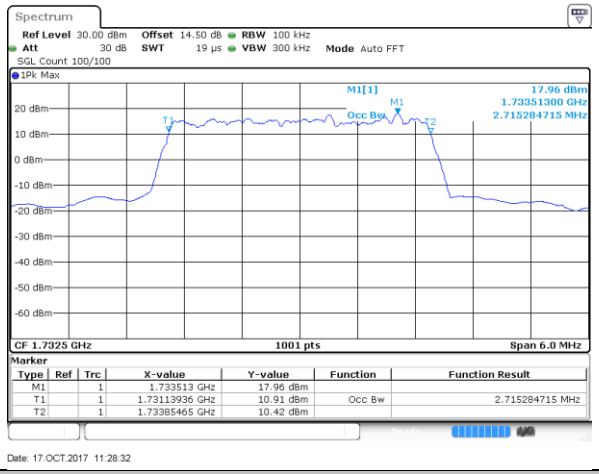
Lowest Channel / 3MHz / QPSK



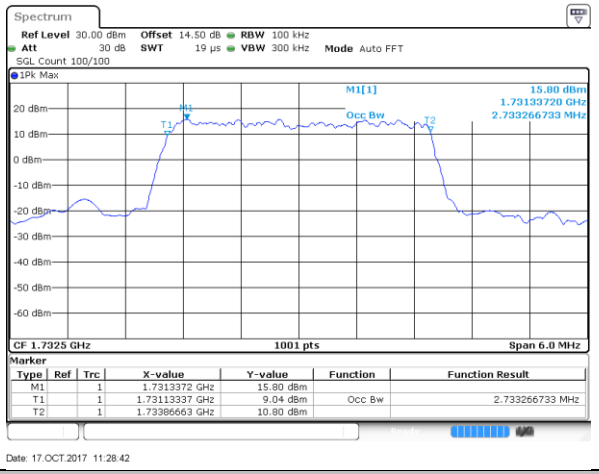
Lowest Channel / 3MHz / 16QAM



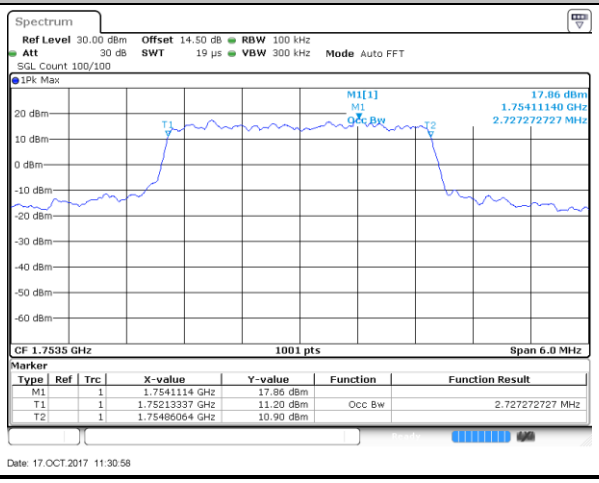
Middle Channel / 3MHz / QPSK



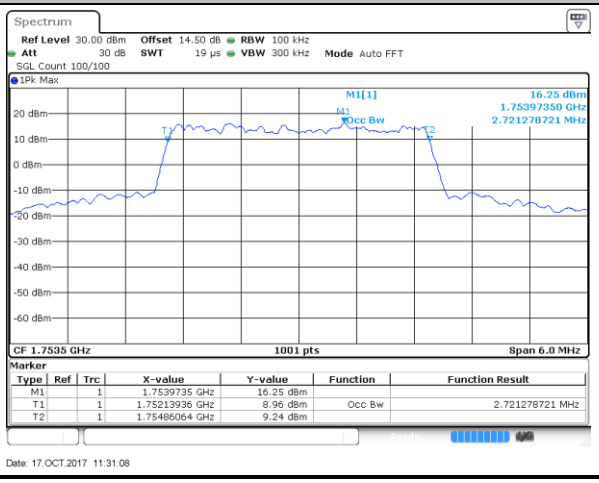
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

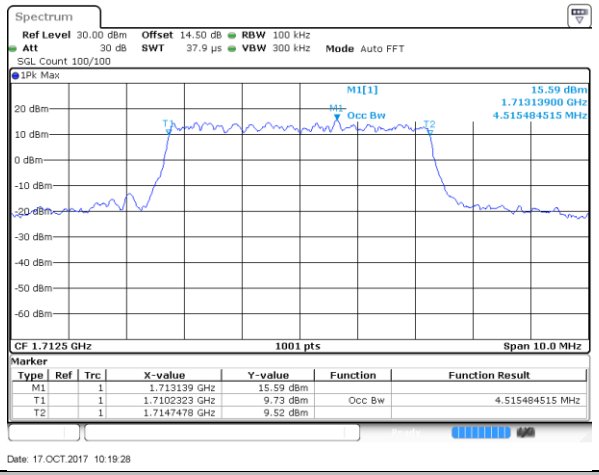


Highest Channel / 3MHz / 16QAM

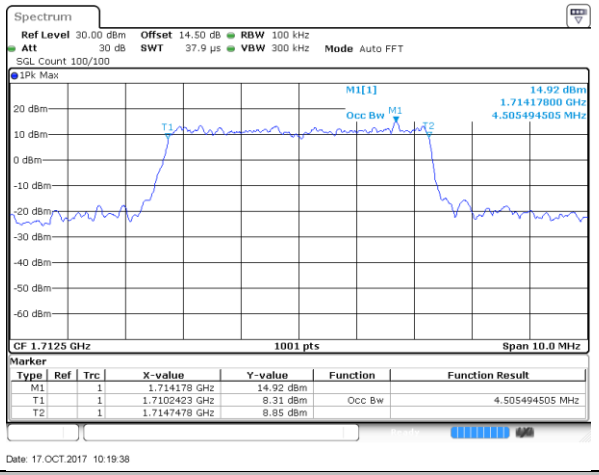


LTE Band 4

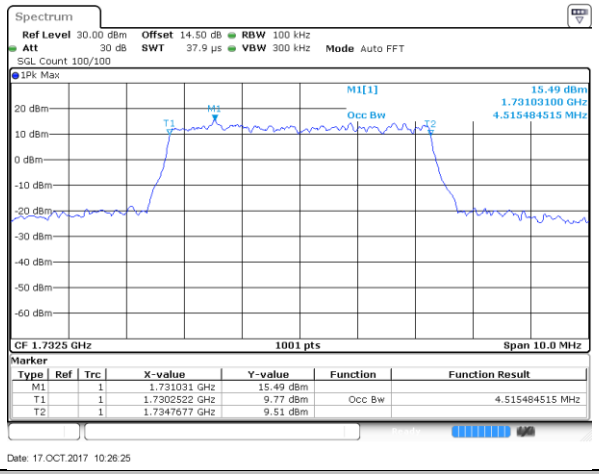
Lowest Channel / 5MHz / QPSK



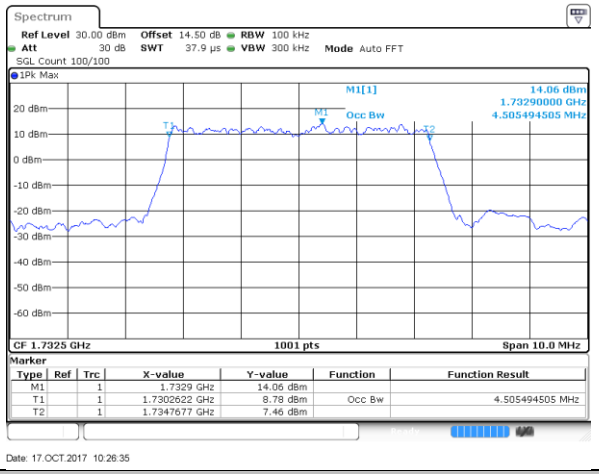
Lowest Channel / 5MHz / 16QAM



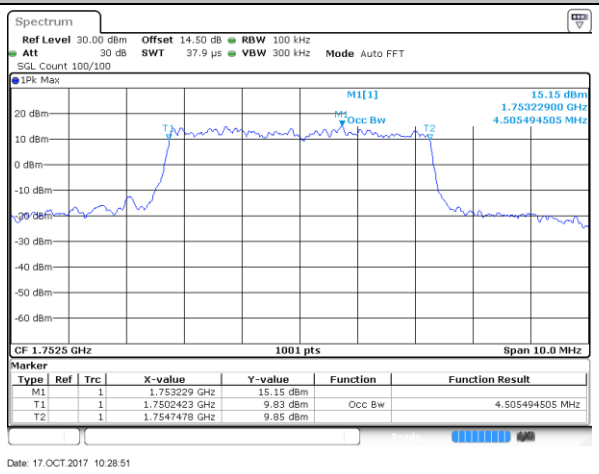
Middle Channel / 5MHz / QPSK



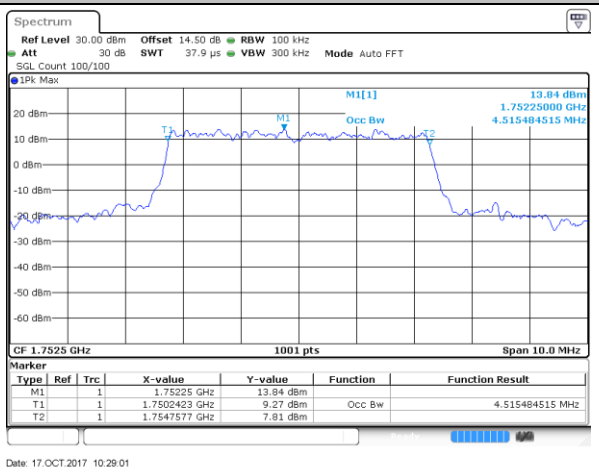
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

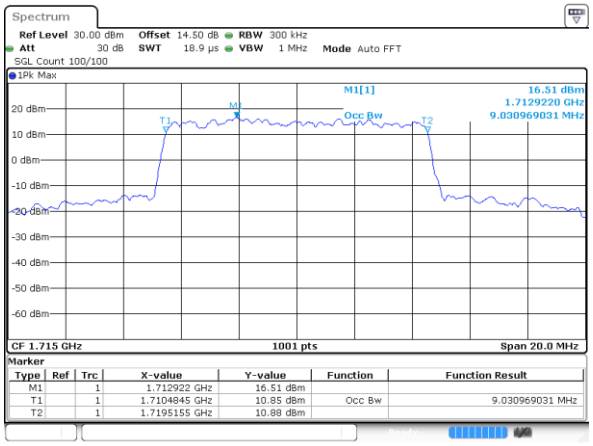


Highest Channel / 5MHz / 16QAM



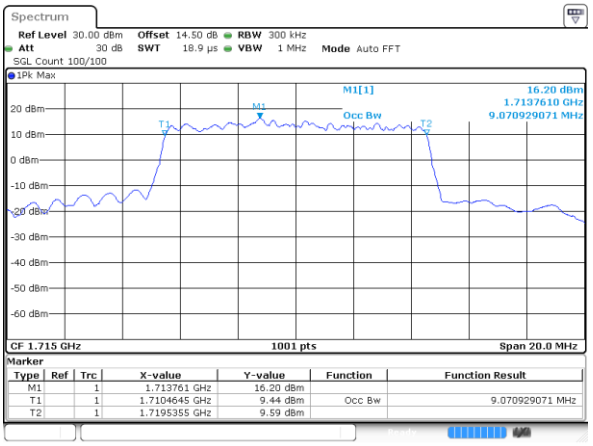
LTE Band 4

Lowest Channel / 10MHz / QPSK



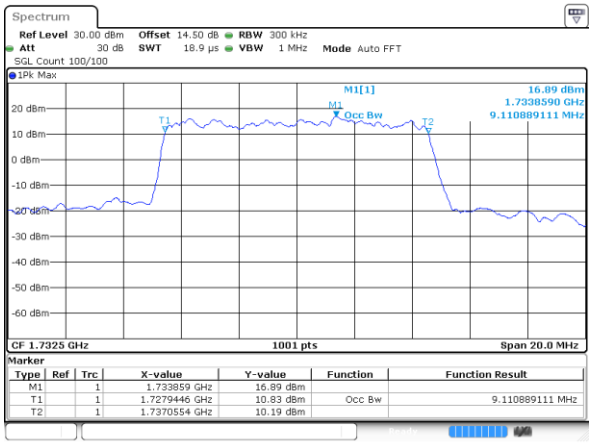
Date: 17.OCT.2017 10:01:30

Lowest Channel / 10MHz / 16QAM



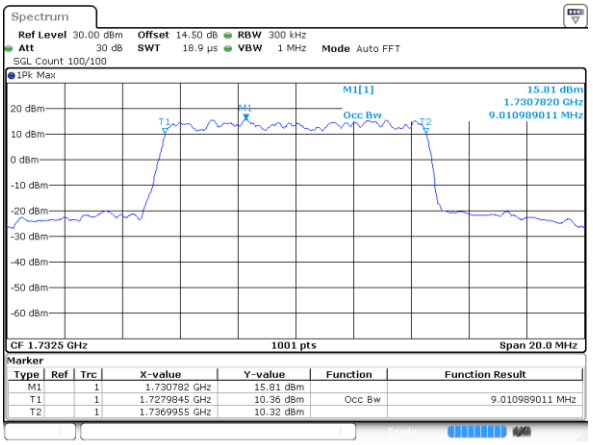
Date: 17.OCT.2017 10:01:39

Middle Channel / 10MHz / QPSK



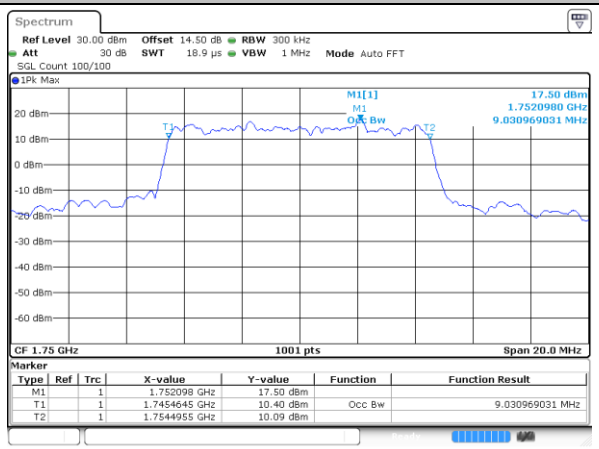
Date: 17.OCT.2017 10:08:27

Middle Channel / 10MHz / 16QAM



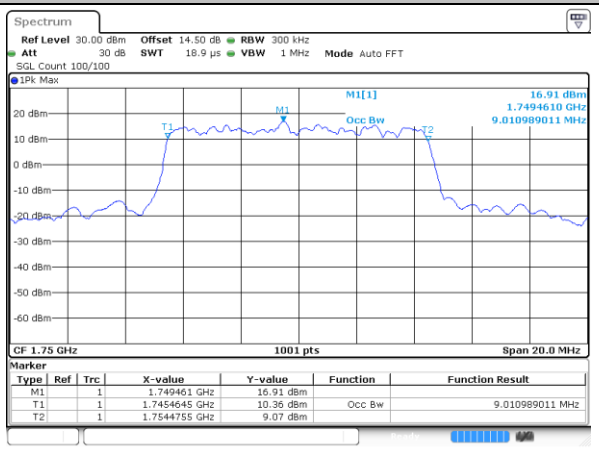
Date: 17.OCT.2017 10:08:37

Highest Channel / 10MHz / QPSK



Date: 17.OCT.2017 10:10:53

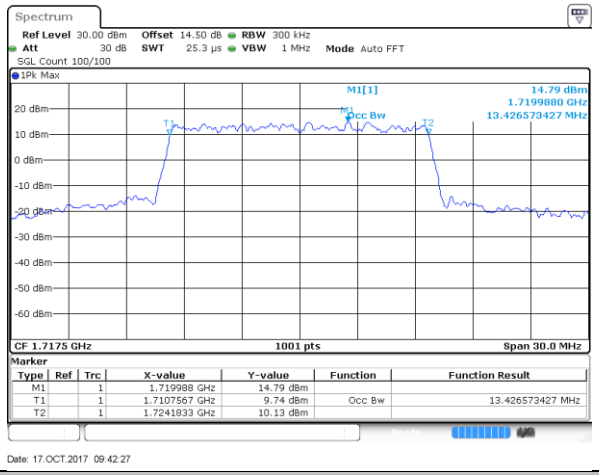
Highest Channel / 10MHz / 16QAM



Date: 17.OCT.2017 10:11:02

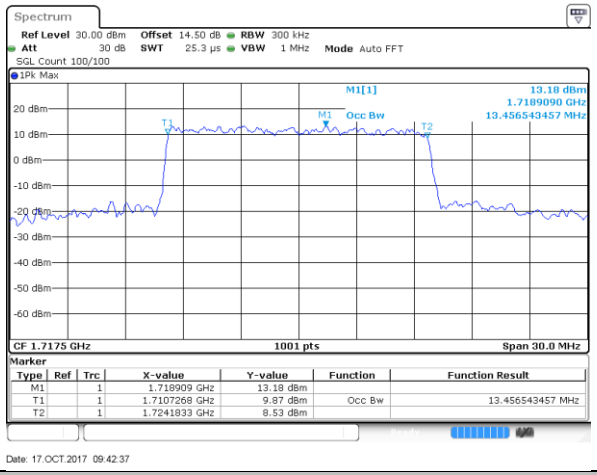
LTE Band 4

Lowest Channel / 15MHz / QPSK



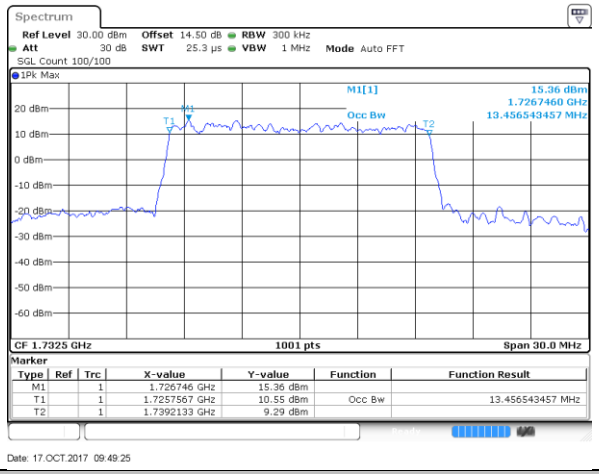
Date: 17.OCT.2017 09:42:27

Lowest Channel / 15MHz / 16QAM



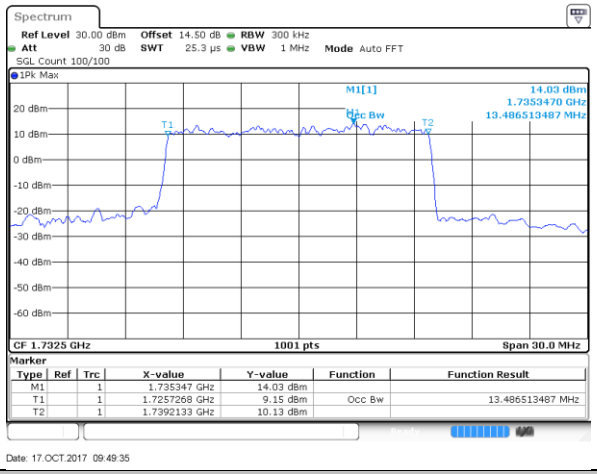
Date: 17.OCT.2017 09:42:37

Middle Channel / 15MHz / QPSK



Date: 17.OCT.2017 09:49:25

Middle Channel / 15MHz / 16QAM



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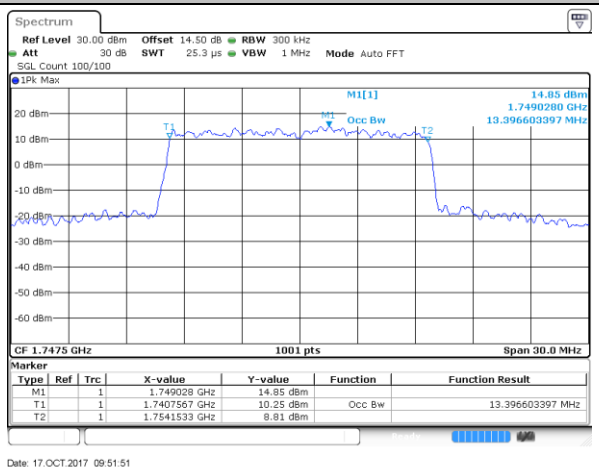
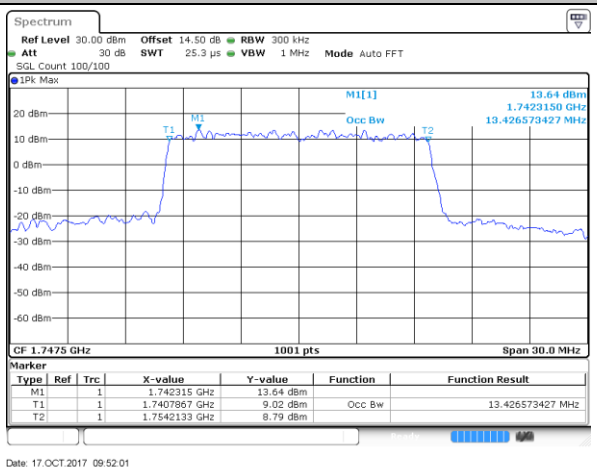
Highest Channel / 15MHz / QPSK



Date: 17.OCT.2017 09:51:51

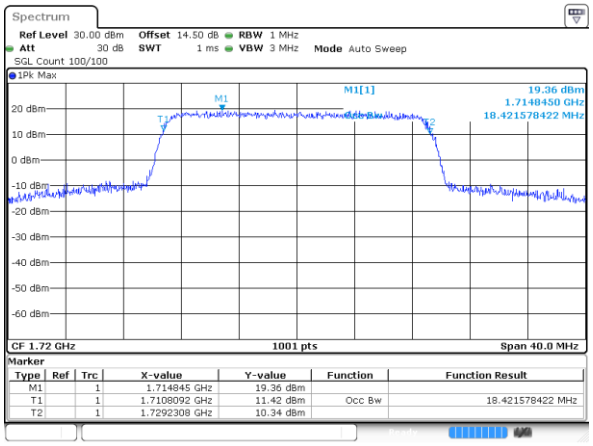
Highest Channel / 15MHz / 16QAM



Date: 17.OCT.2017 09:52:01

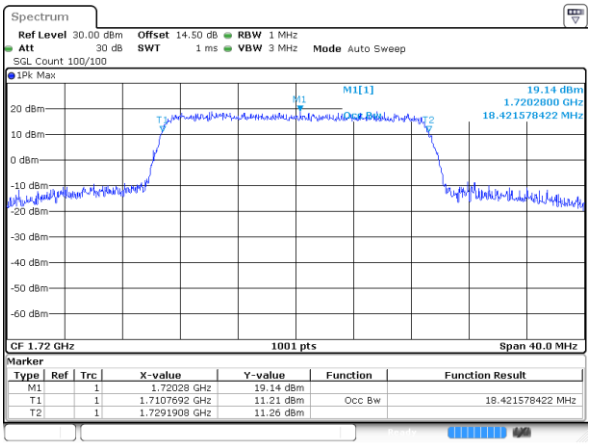
LTE Band 4

Lowest Channel / 20MHz / QPSK



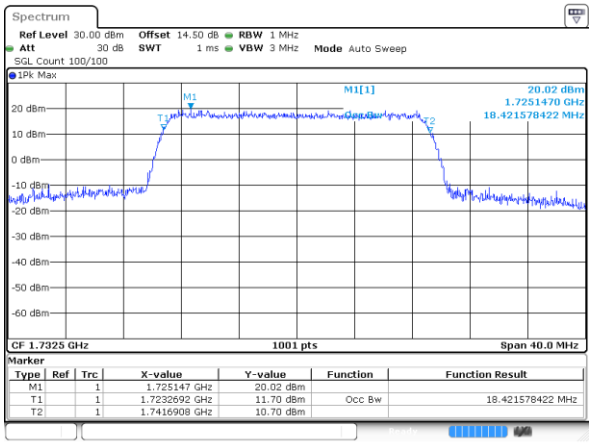
Date: 17.OCT.2017 09:14:08

Lowest Channel / 20MHz / 16QAM



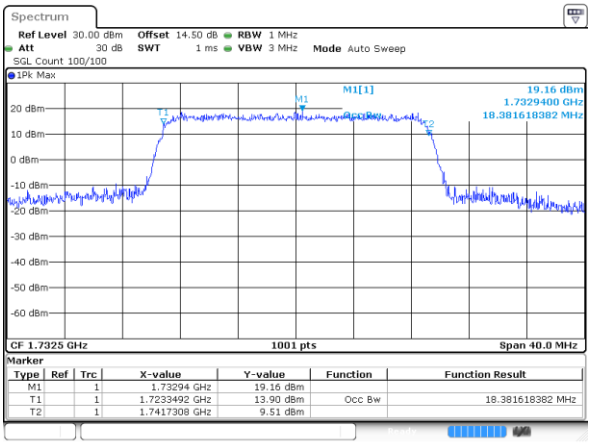
Date: 17.OCT.2017 09:14:18

Middle Channel / 20MHz / QPSK



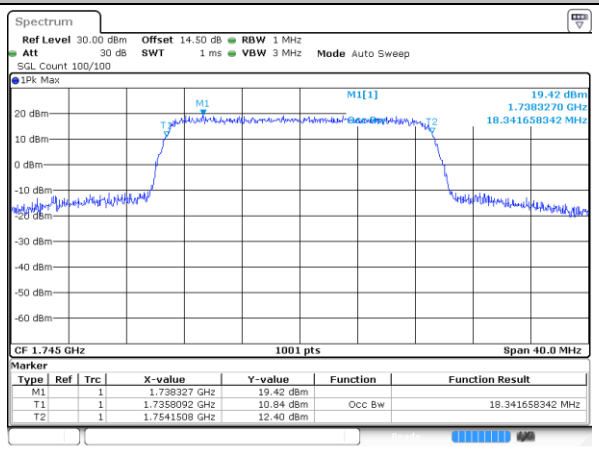
Date: 17.OCT.2017 09:21:06

Middle Channel / 20MHz / 16QAM



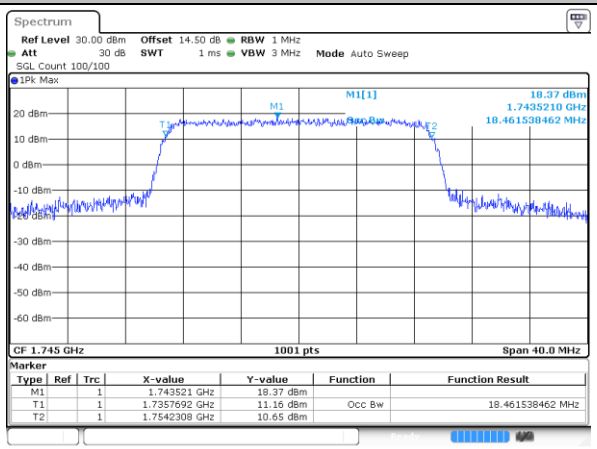
Date: 17.OCT.2017 09:21:16

Highest Channel / 20MHz / QPSK



Date: 17.OCT.2017 09:23:32

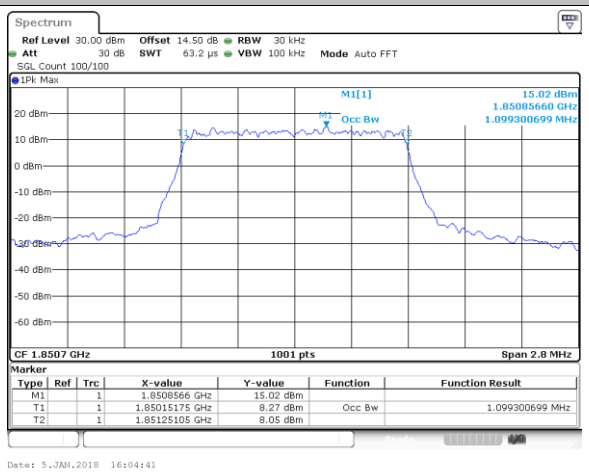
Highest Channel / 20MHz / 16QAM



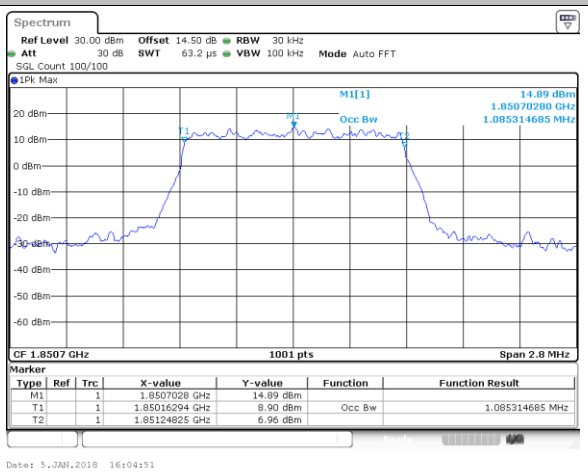
Date: 17.OCT.2017 09:23:43

LTE Band 2

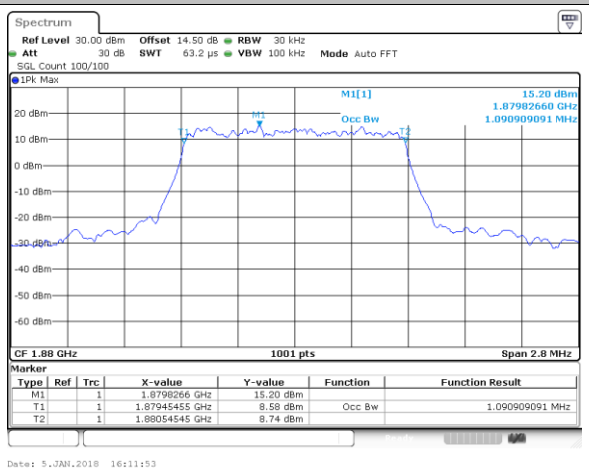
Lowest Channel / 1.4MHz / QPSK



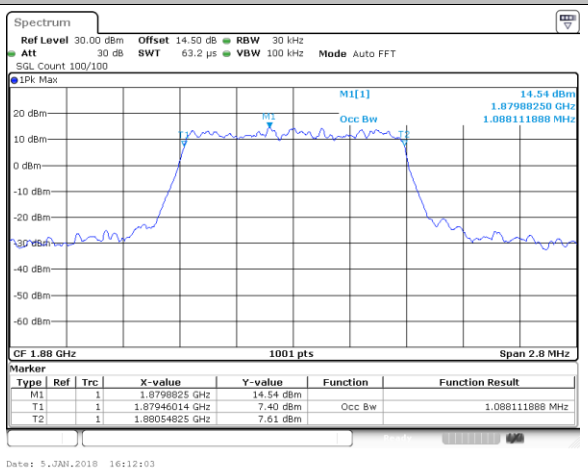
Lowest Channel / 1.4MHz / 16QAM



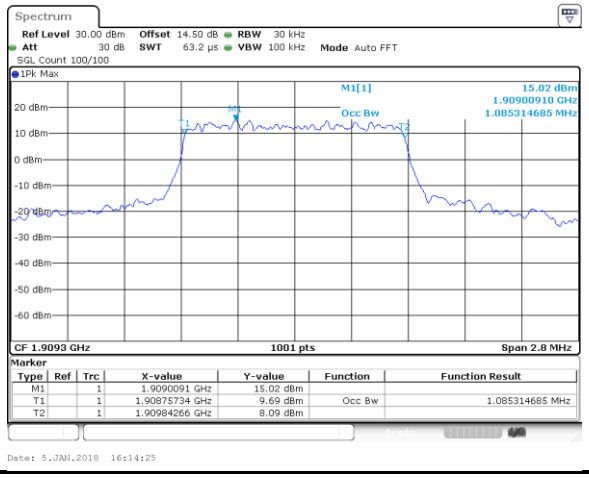
Middle Channel / 1.4MHz / QPSK



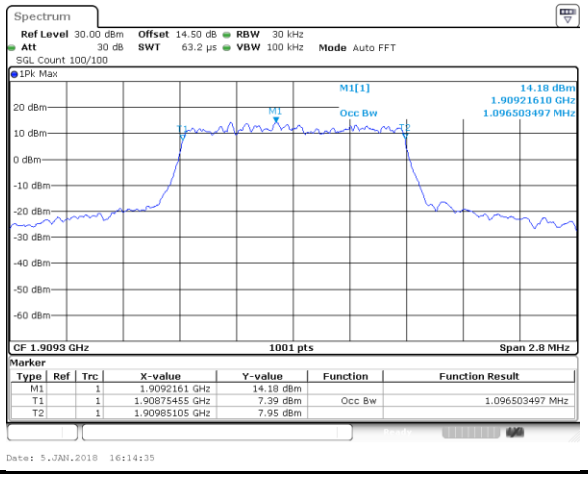
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

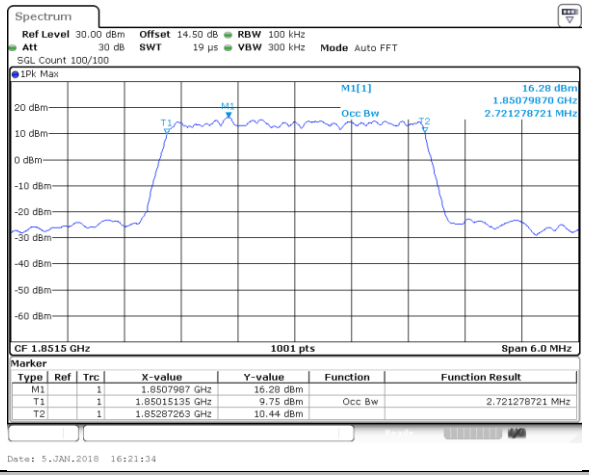


Highest Channel / 1.4MHz / 16QAM

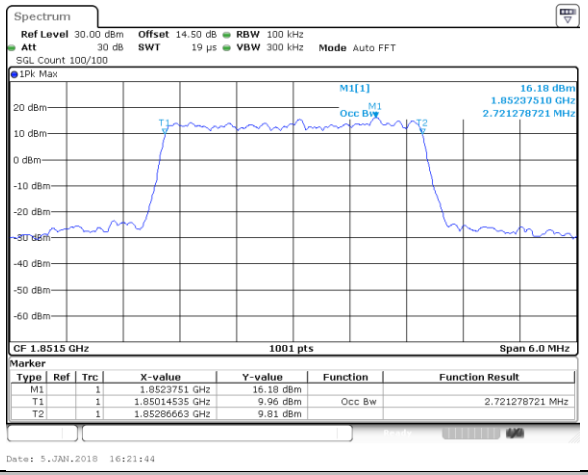


LTE Band 2

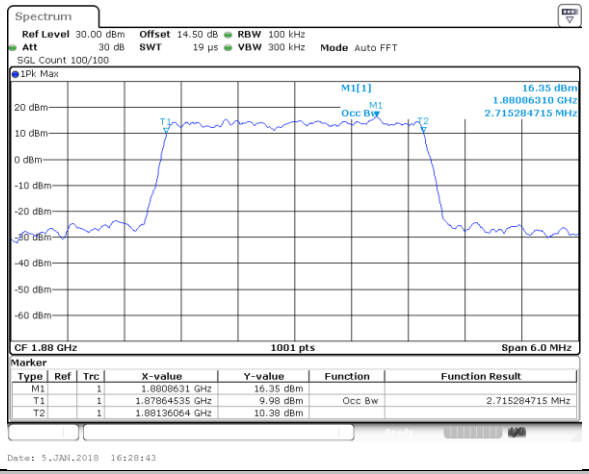
Lowest Channel / 3MHz / QPSK



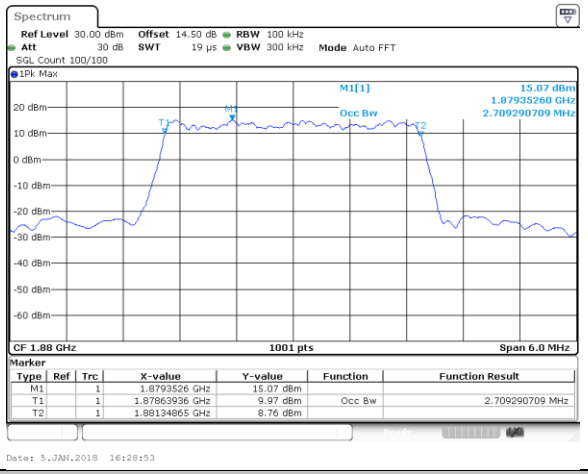
Lowest Channel / 3MHz / 16QAM



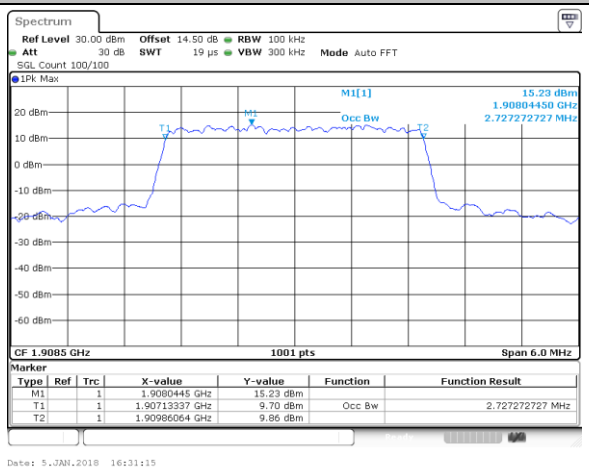
Middle Channel / 3MHz / QPSK



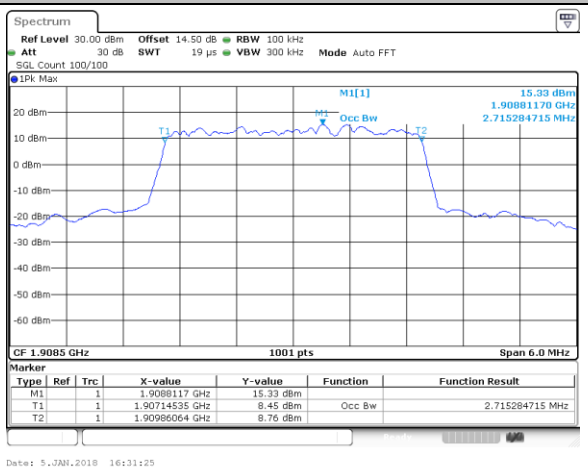
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

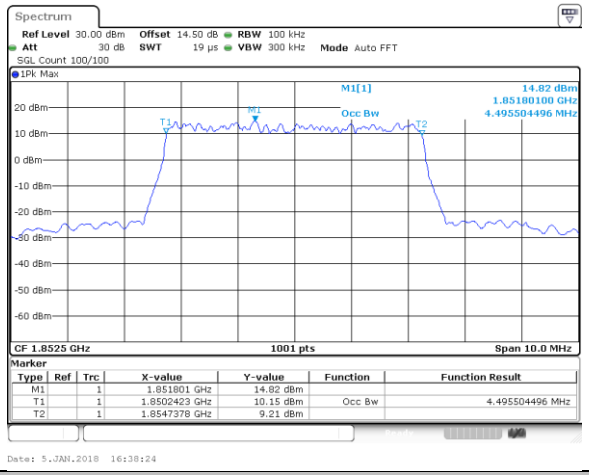


Highest Channel / 3MHz / 16QAM

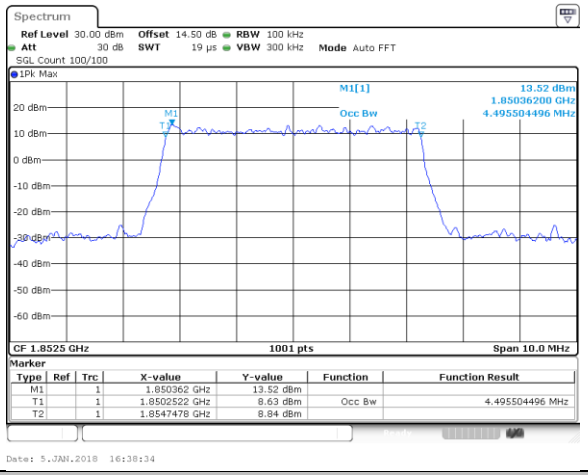


LTE Band 2

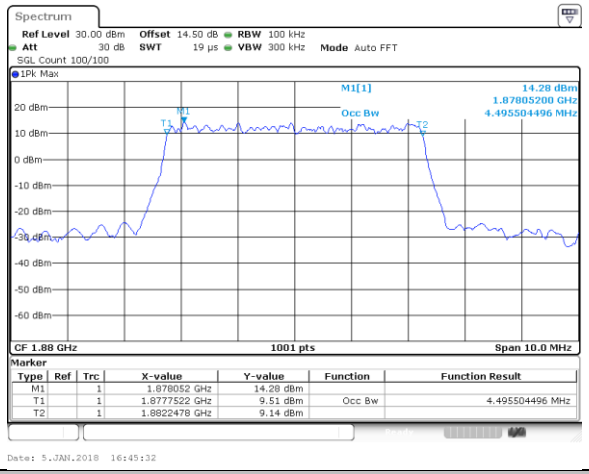
Lowest Channel / 5MHz / QPSK



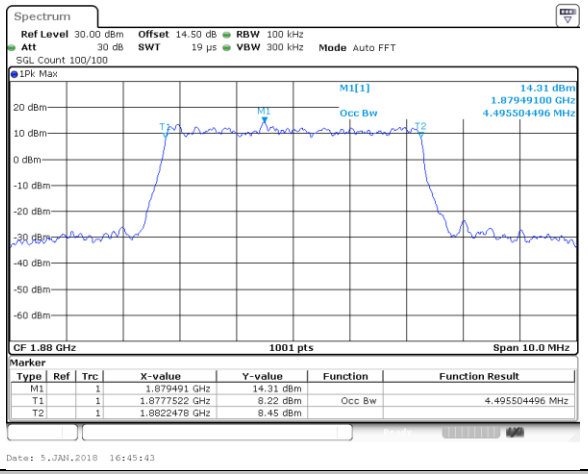
Lowest Channel / 5MHz / 16QAM



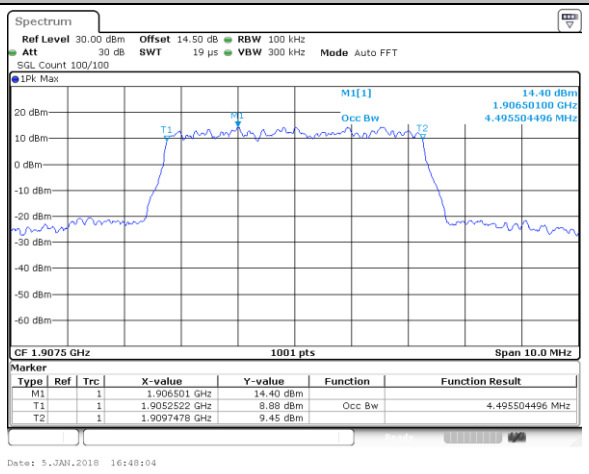
Middle Channel / 5MHz / QPSK



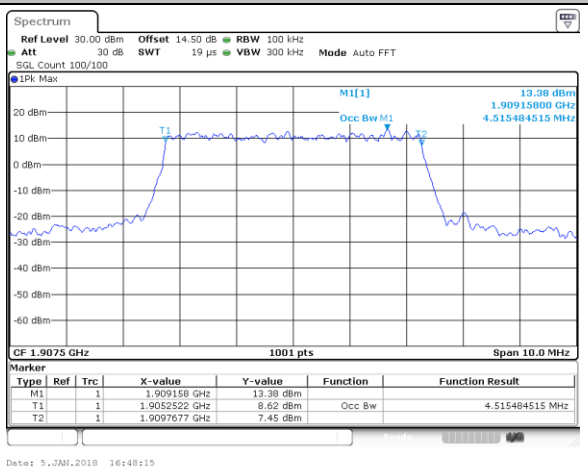
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

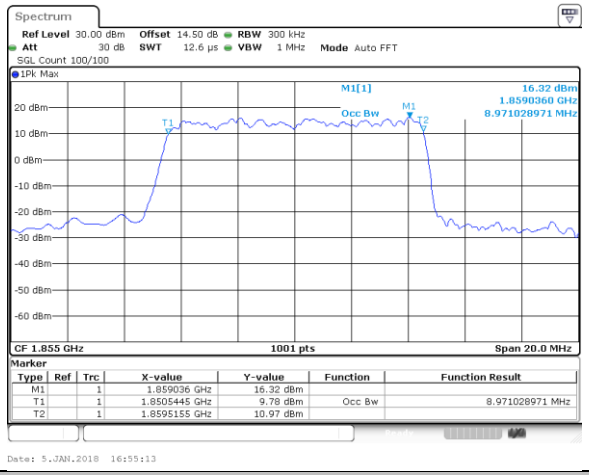


Highest Channel / 5MHz / 16QAM

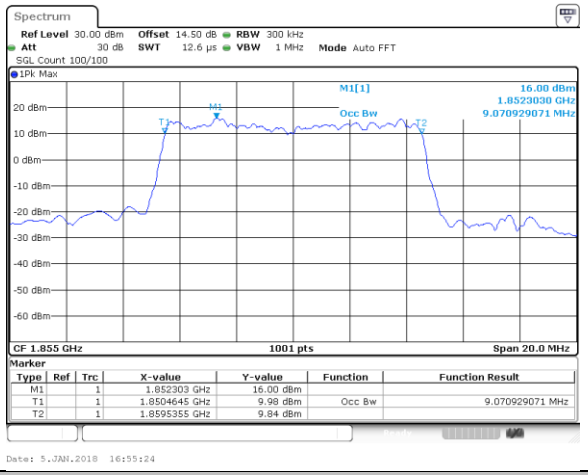


LTE Band 2

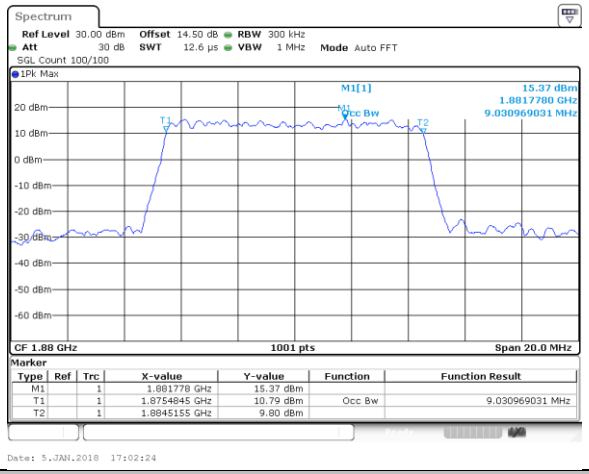
Lowest Channel / 10MHz / QPSK



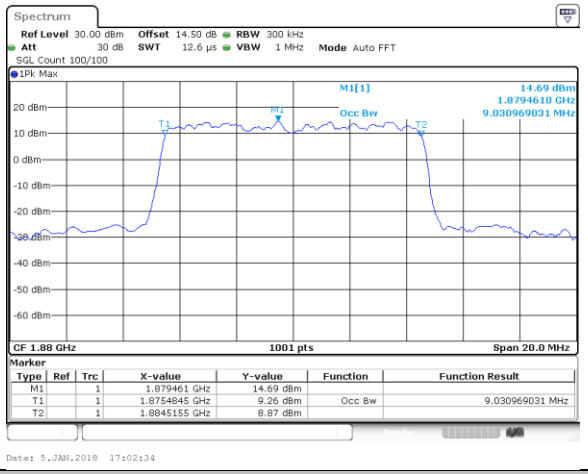
Lowest Channel / 10MHz / 16QAM



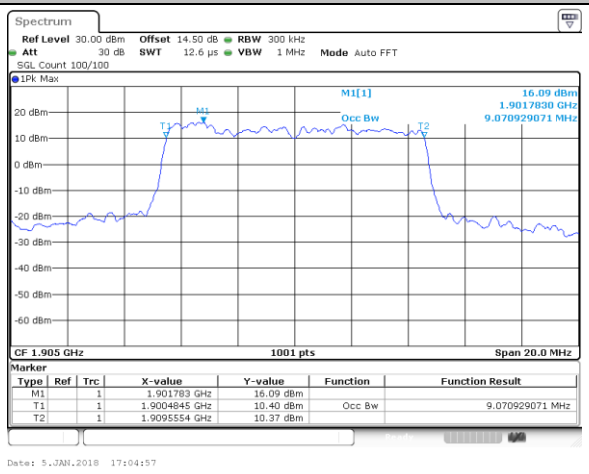
Middle Channel / 10MHz / QPSK



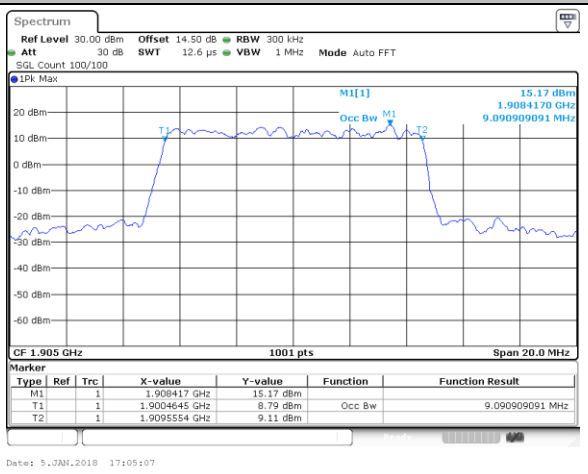
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

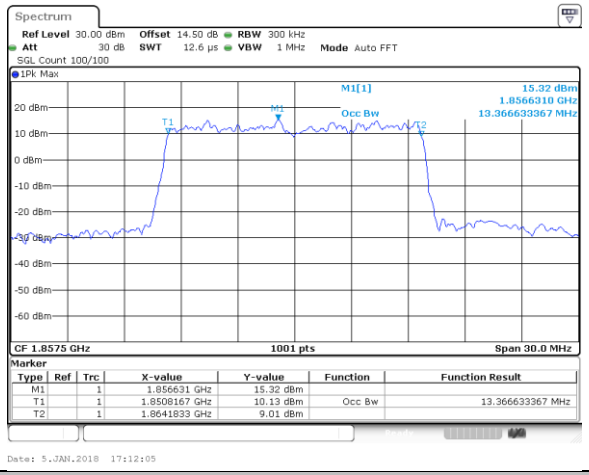


Highest Channel / 10MHz / 16QAM

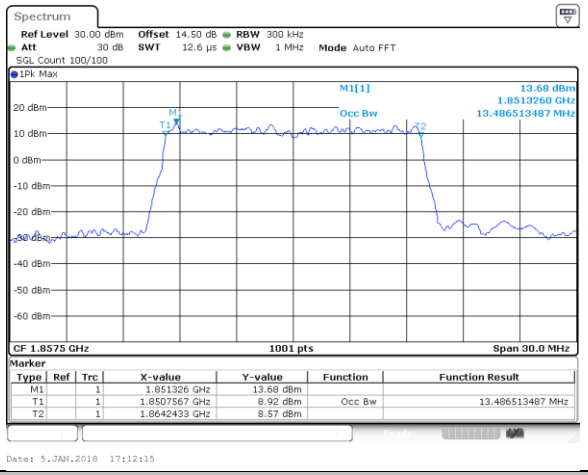


LTE Band 2

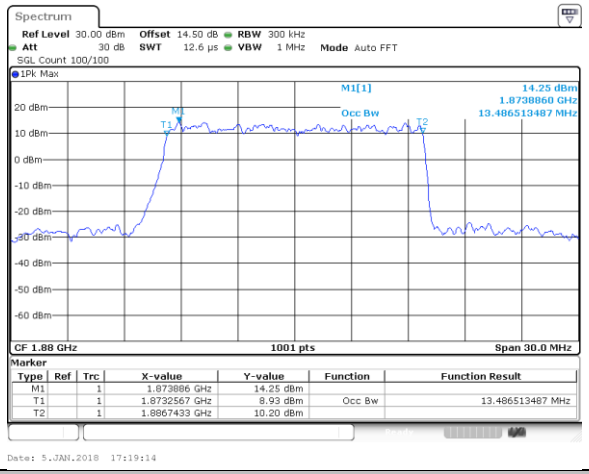
Lowest Channel / 15MHz / QPSK



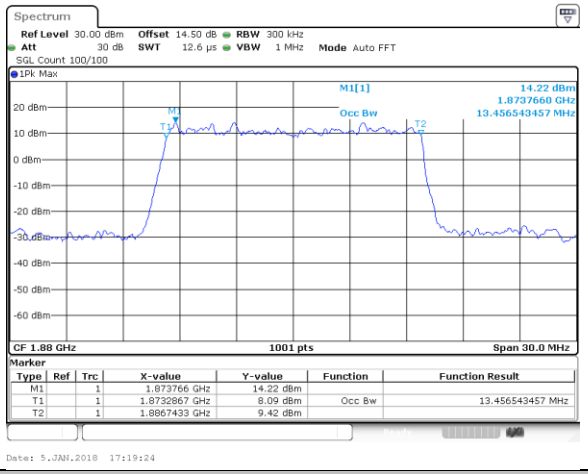
Lowest Channel / 15MHz / 16QAM



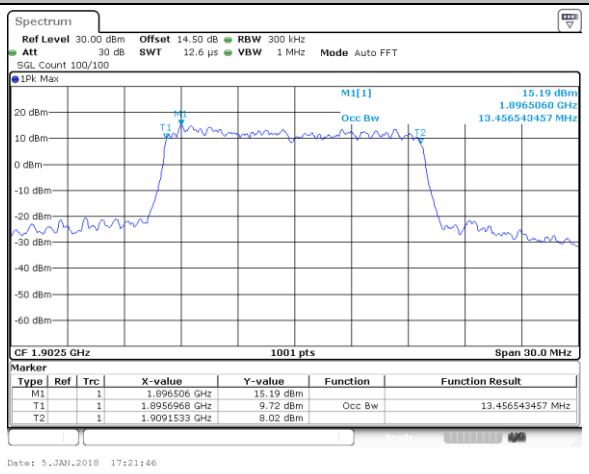
Middle Channel / 15MHz / QPSK



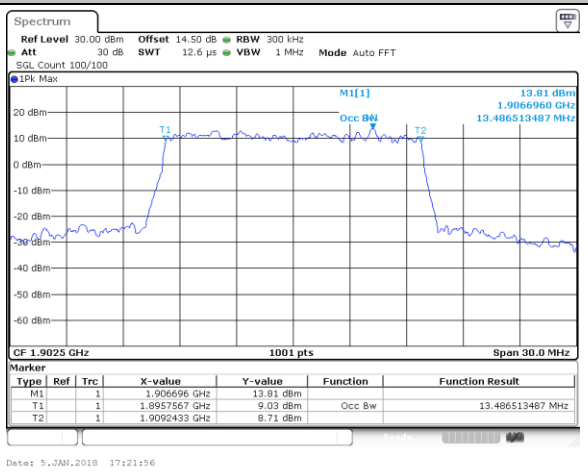
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

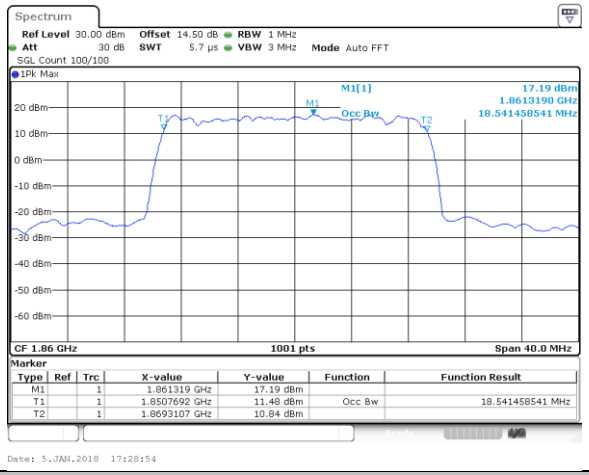


Highest Channel / 15MHz / 16QAM

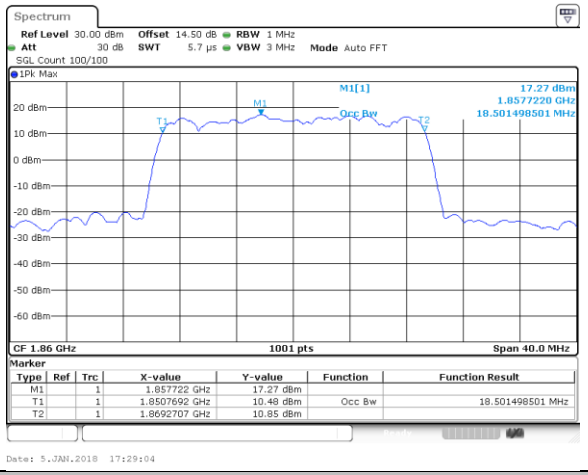


LTE Band 2

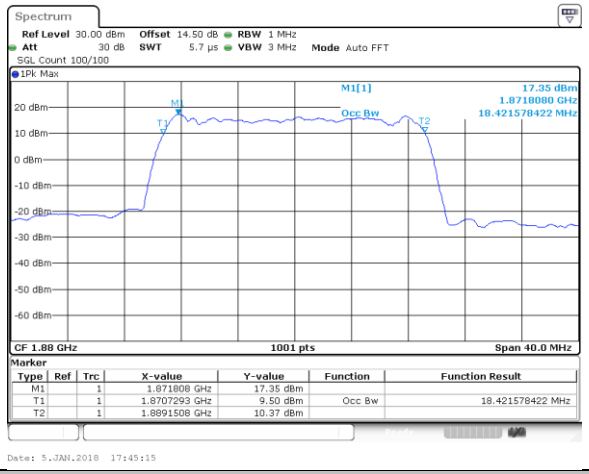
Lowest Channel / 20MHz / QPSK



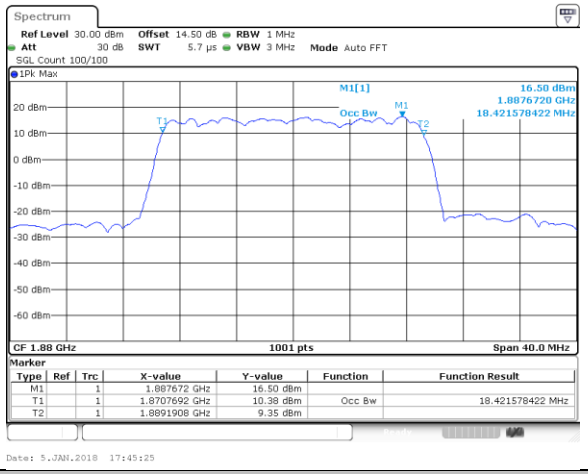
Lowest Channel / 20MHz / 16QAM



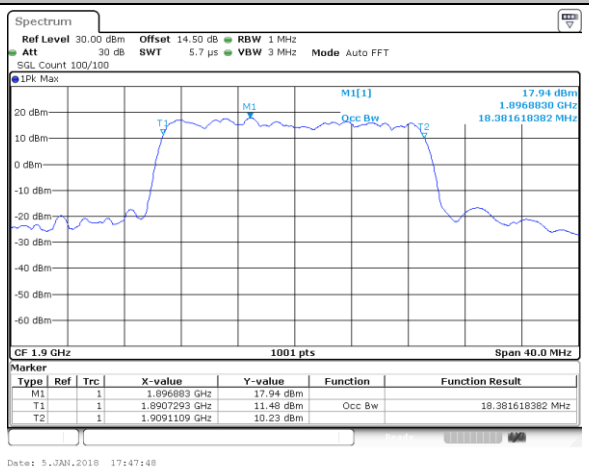
Middle Channel / 20MHz / QPSK



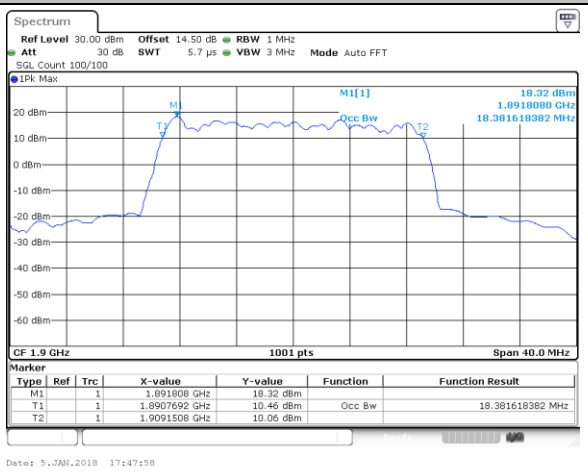
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

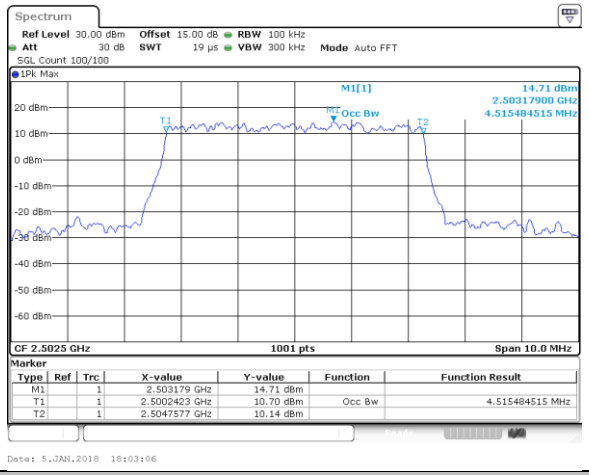


Highest Channel / 20MHz / 16QAM

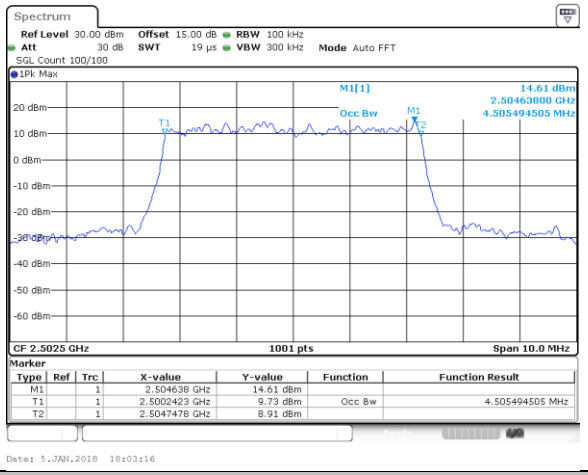


LTE Band 7

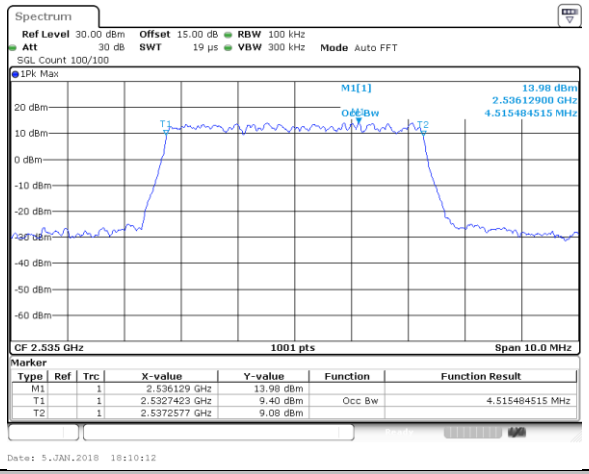
Lowest Channel / 5MHz / QPSK



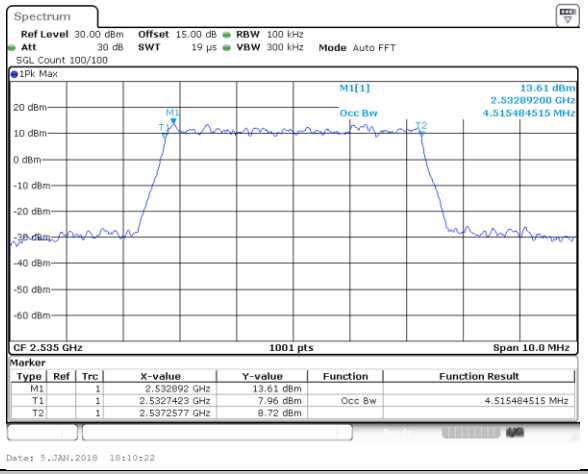
Lowest Channel / 5MHz / 16QAM



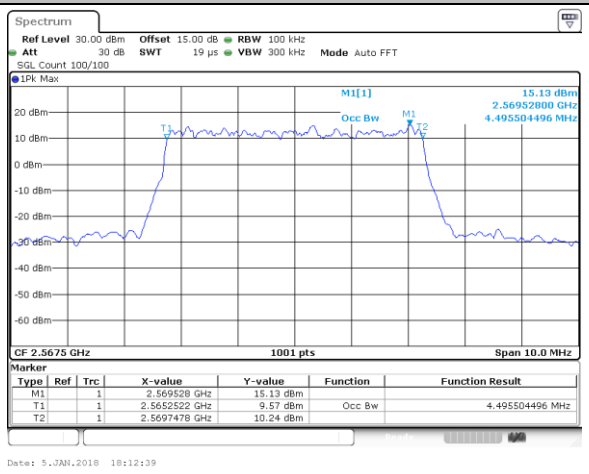
Middle Channel / 5MHz / QPSK



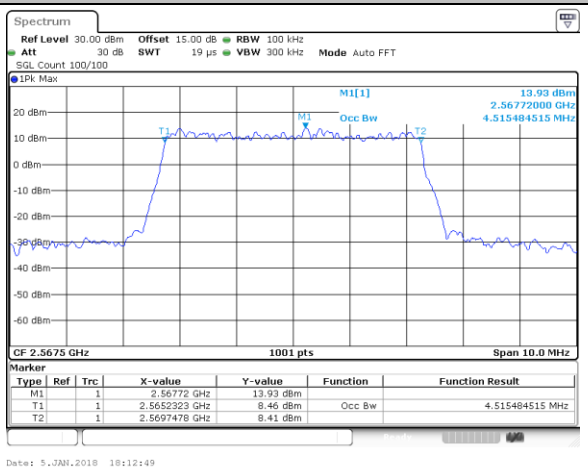
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

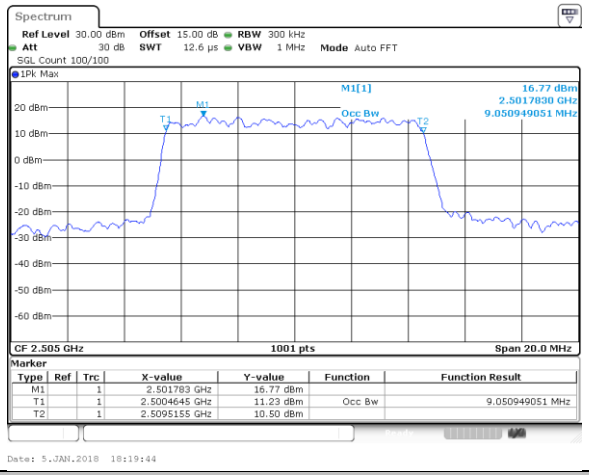


Highest Channel / 5MHz / 16QAM

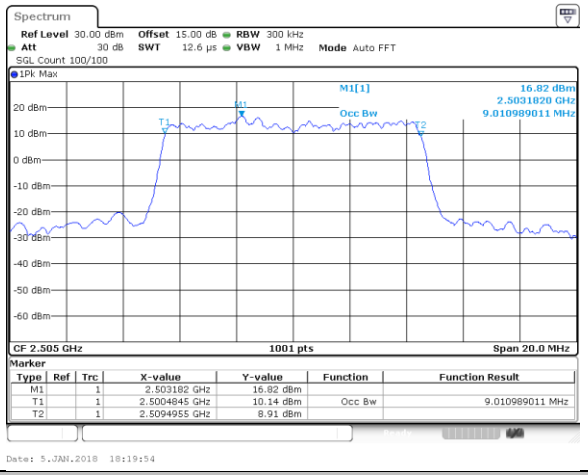


LTE Band 7

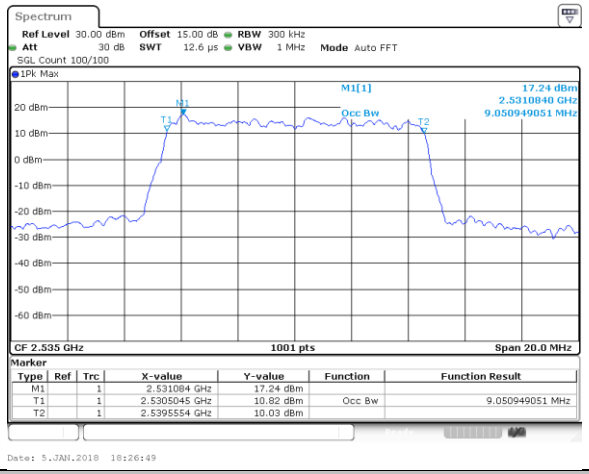
Lowest Channel / 10MHz / QPSK



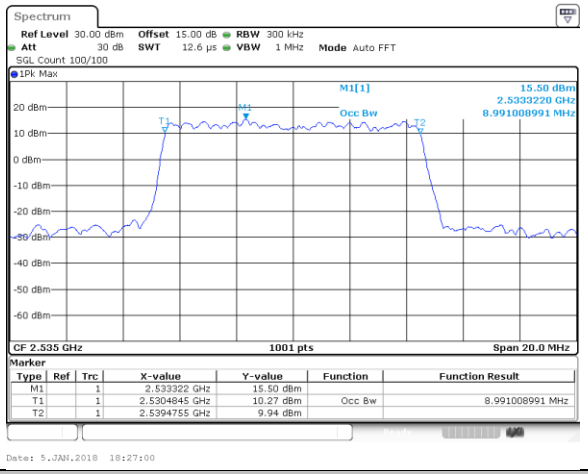
Lowest Channel / 10MHz / 16QAM



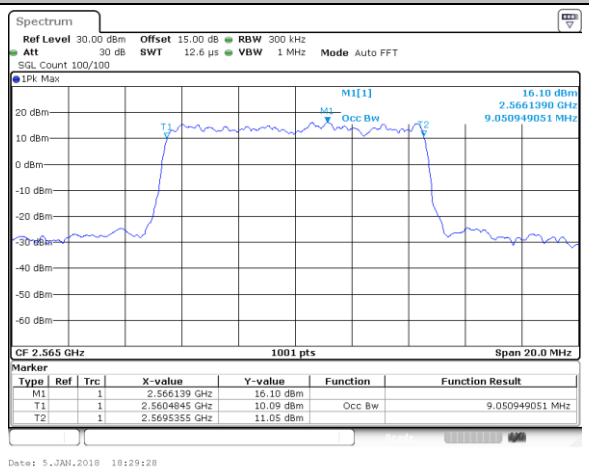
Middle Channel / 10MHz / QPSK



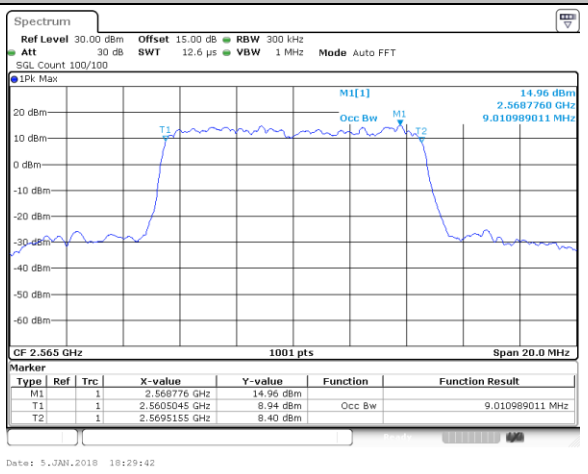
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

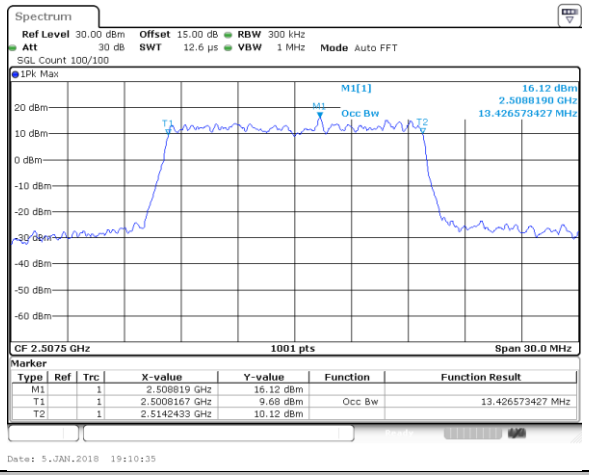


Highest Channel / 10MHz / 16QAM

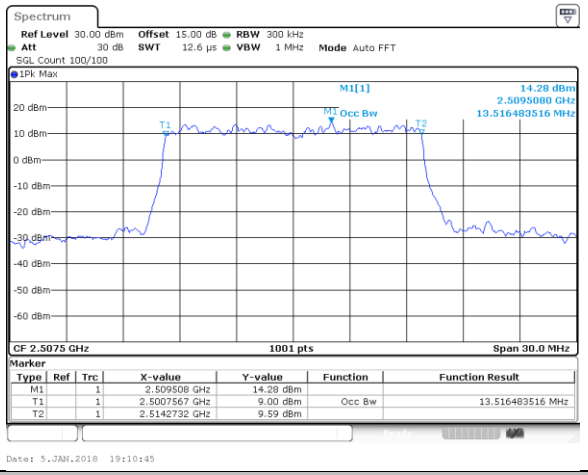


LTE Band 7

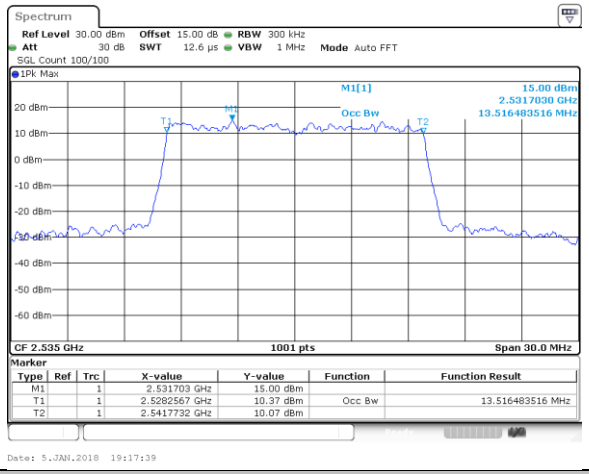
Lowest Channel / 15MHz / QPSK



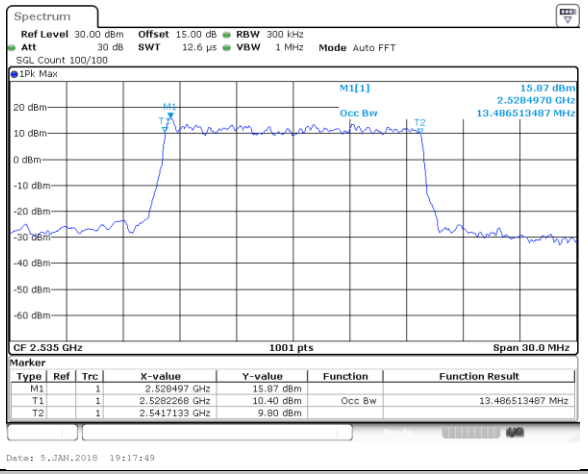
Lowest Channel / 15MHz / 16QAM



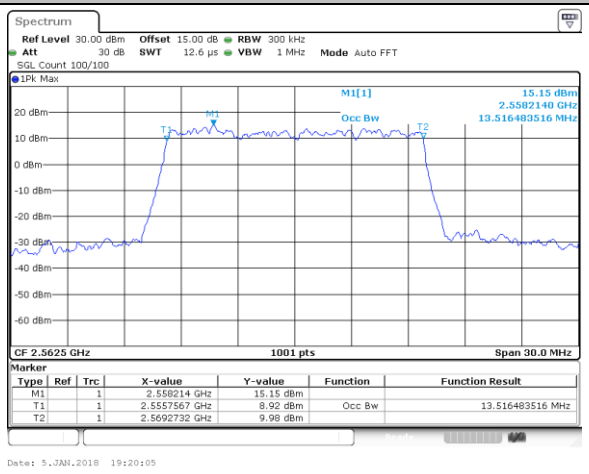
Middle Channel / 15MHz / QPSK



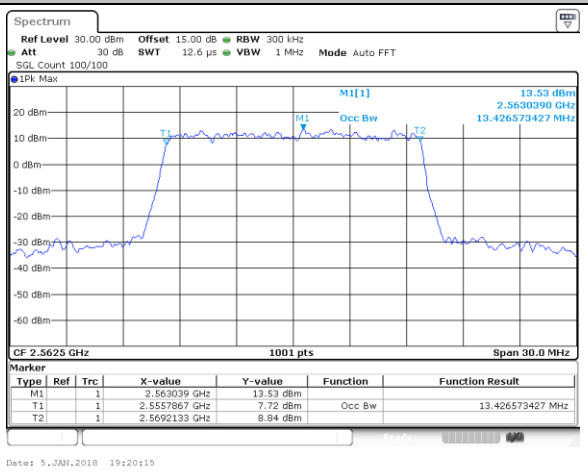
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

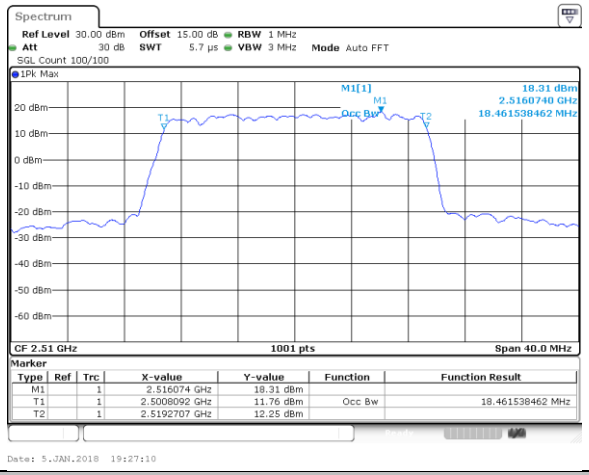


Highest Channel / 15MHz / 16QAM

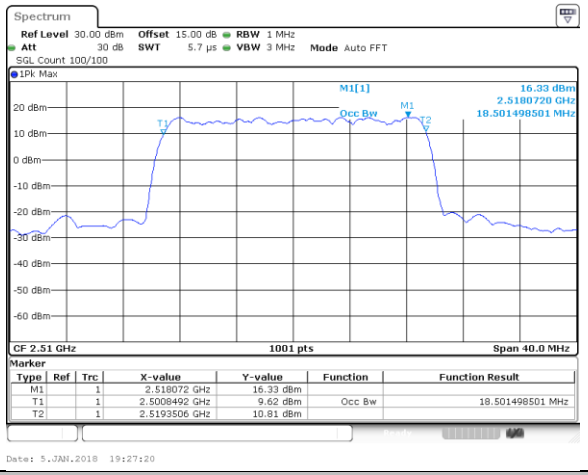


LTE Band 7

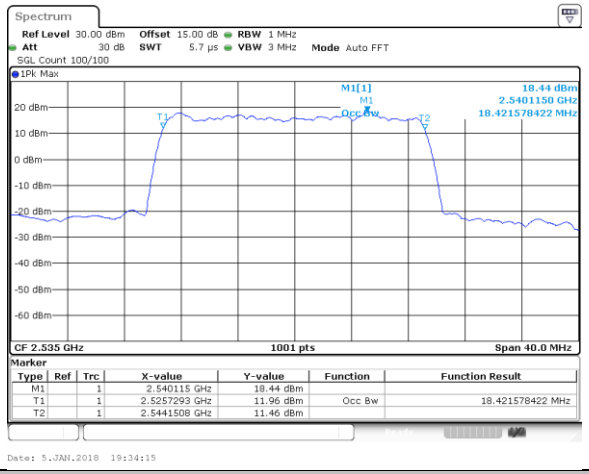
Lowest Channel / 20MHz / QPSK



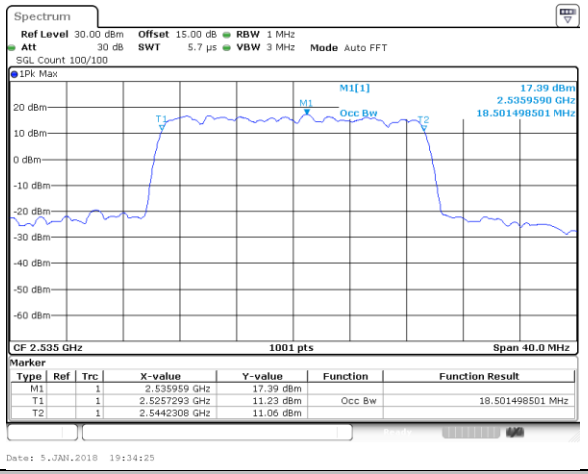
Lowest Channel / 20MHz / 16QAM



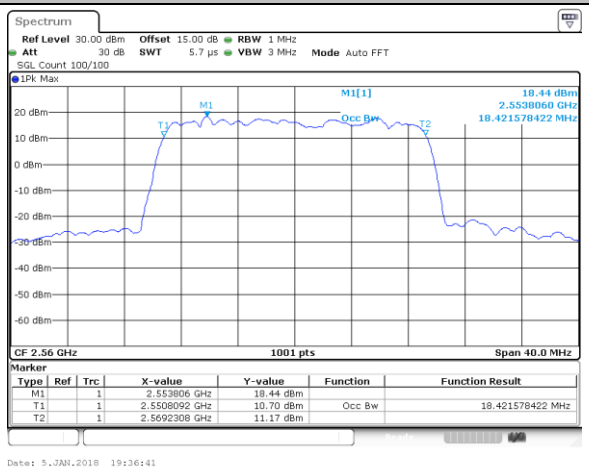
Middle Channel / 20MHz / QPSK



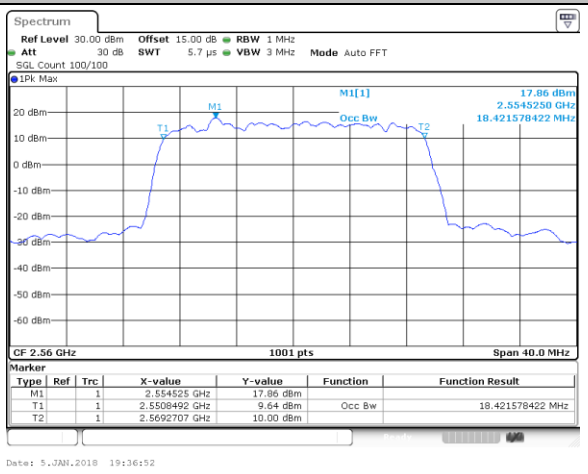
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



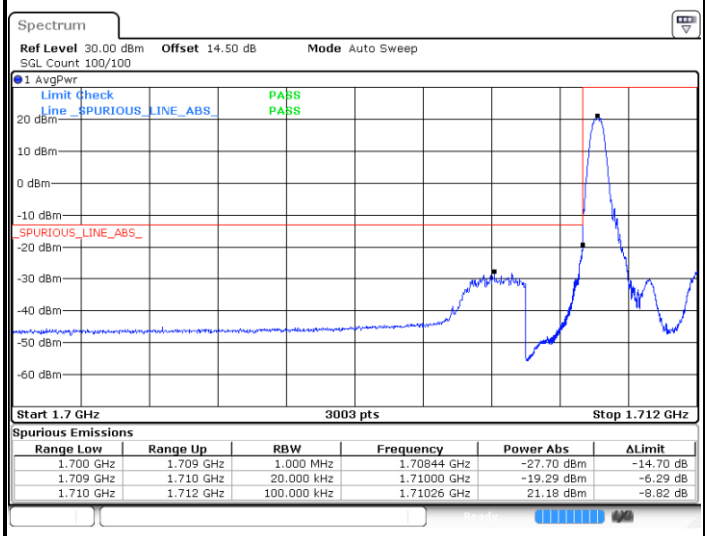
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

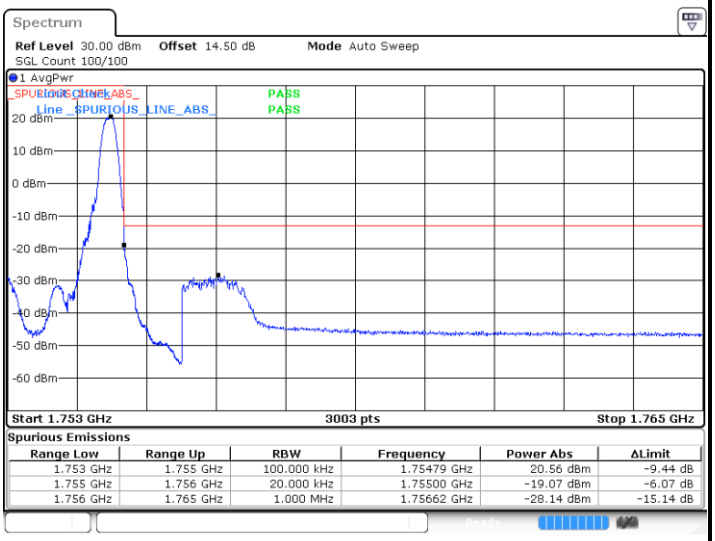


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70844 GHz	-27.70 dBm	-14.70 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-19.29 dBm	-6.29 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	21.18 dBm	-8.82 dB

Date: 17.OCT.2017 10:38:15

Highest Band Edge / 1RB

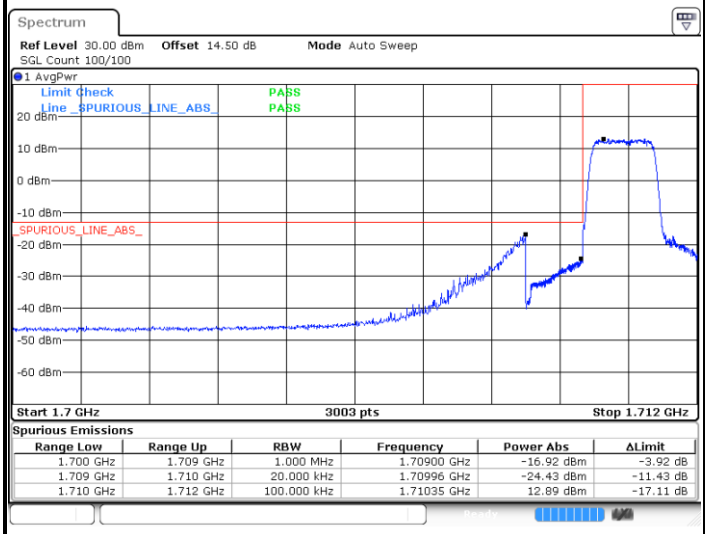


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75479 GHz	20.56 dBm	-9.44 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-19.07 dBm	-6.07 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75662 GHz	-28.14 dBm	-15.14 dB

Date: 17.OCT.2017 10:47:39

Lowest Band Edge / Full RB

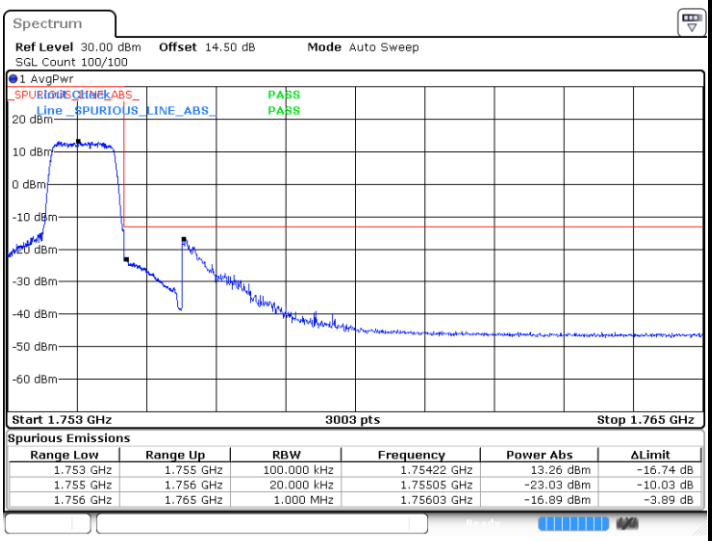


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-16.92 dBm	-3.92 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70996 GHz	-24.43 dBm	-11.43 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71035 GHz	12.89 dBm	-17.11 dB

Date: 17.OCT.2017 10:40:31

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75422 GHz	13.26 dBm	-16.74 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75505 GHz	-23.03 dBm	-10.03 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-16.89 dBm	-3.89 dB

Date: 17.OCT.2017 10:49:54