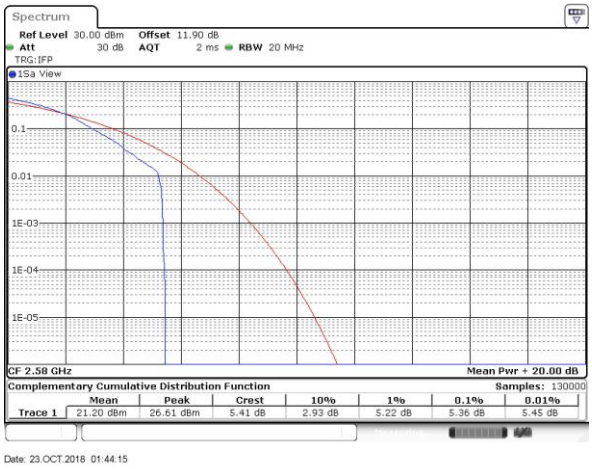
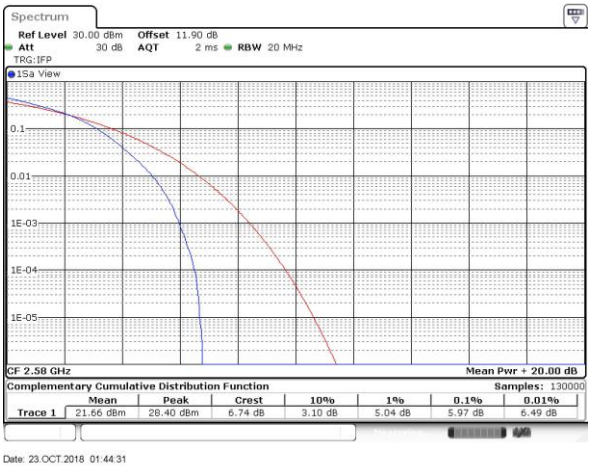
LTE Band 38 / 20MHz / 16QAM

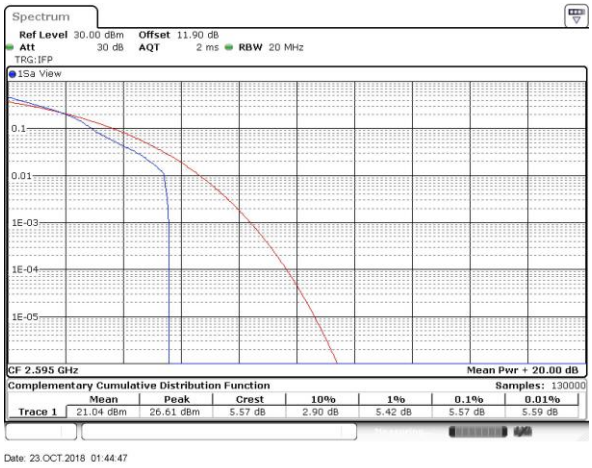
Lowest Channel / 1RB



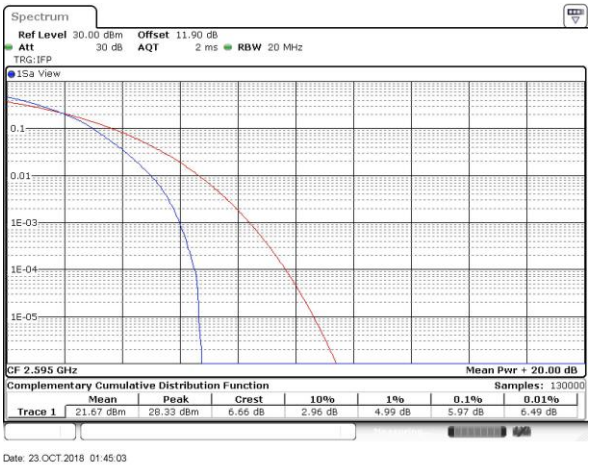
Lowest Channel / Full RB



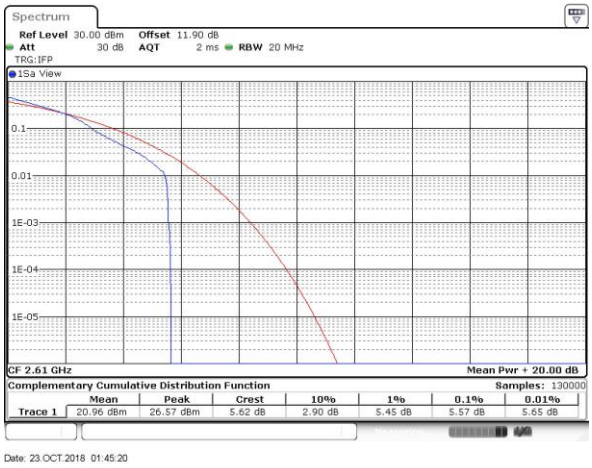
Middle Channel / 1RB



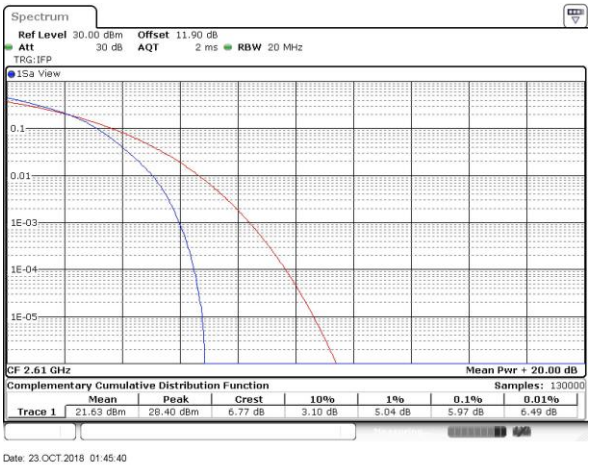
Middle Channel / Full RB



Highest Channel / 1RB

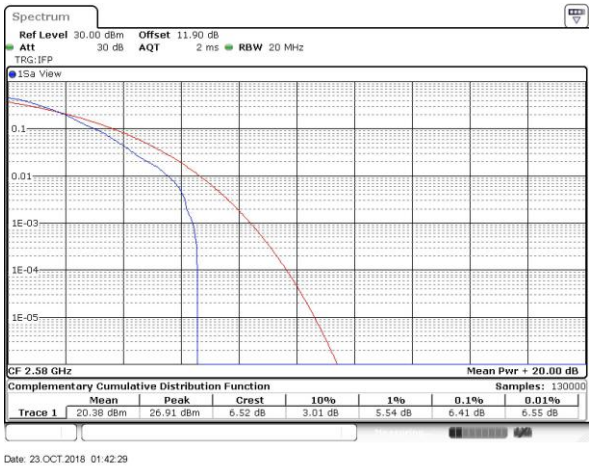


Highest Channel / Full RB

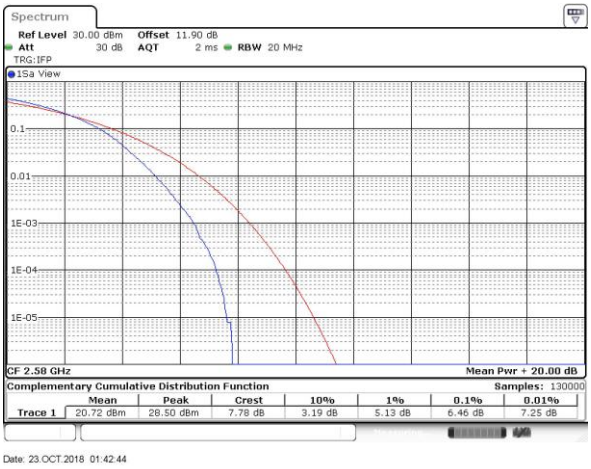


LTE Band 38 / 20MHz / 64QAM

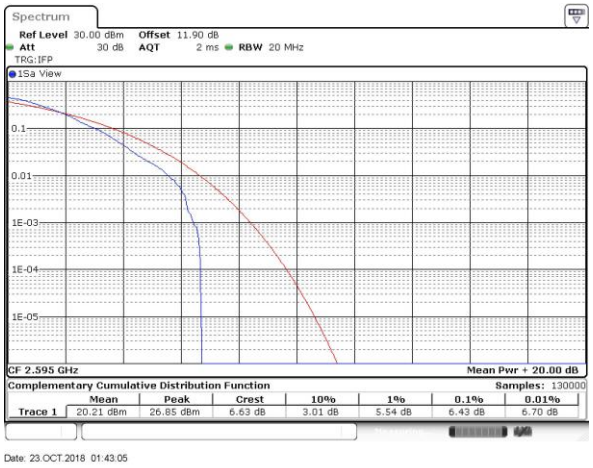
Lowest Channel / 1RB



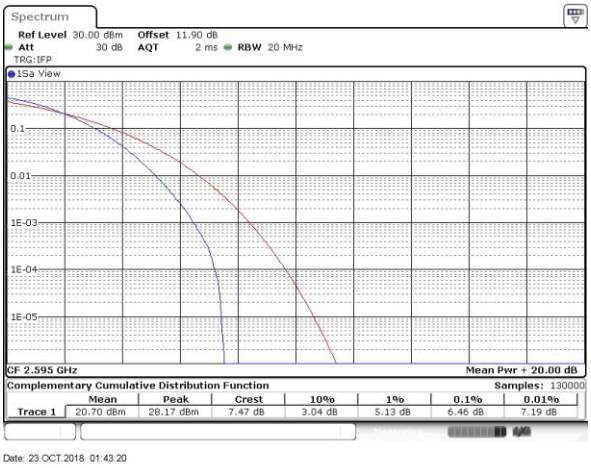
Lowest Channel / Full RB



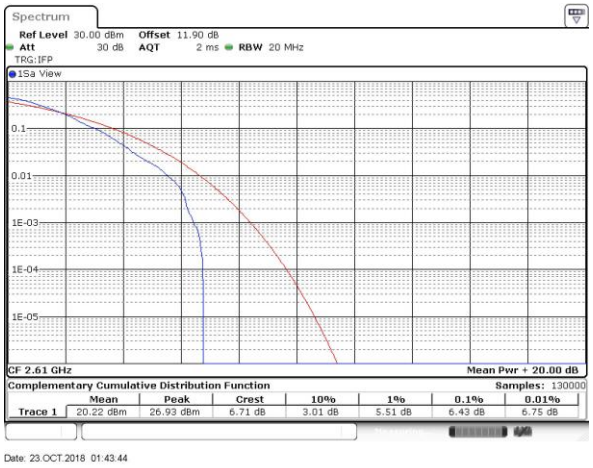
Middle Channel / 1RB



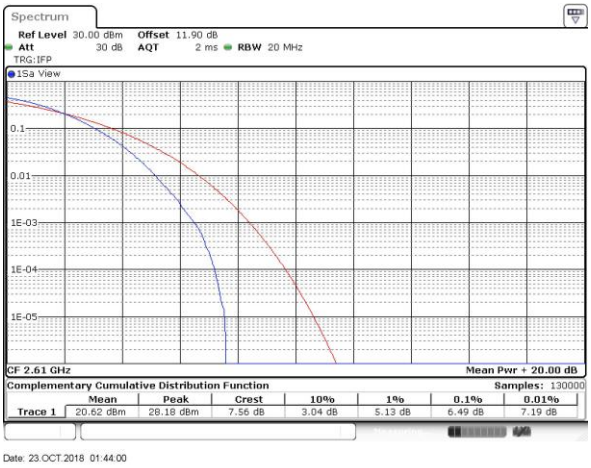
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

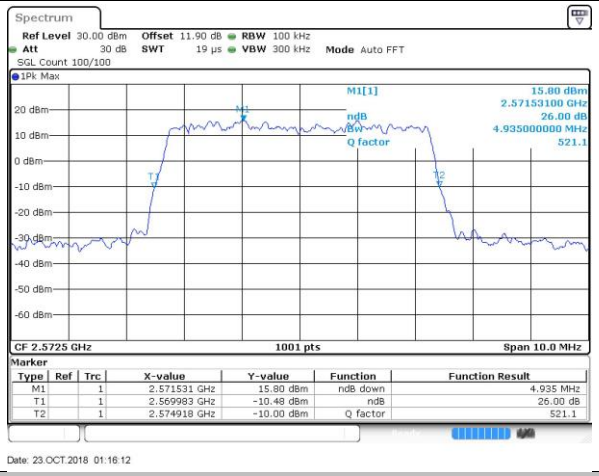


26dB Bandwidth

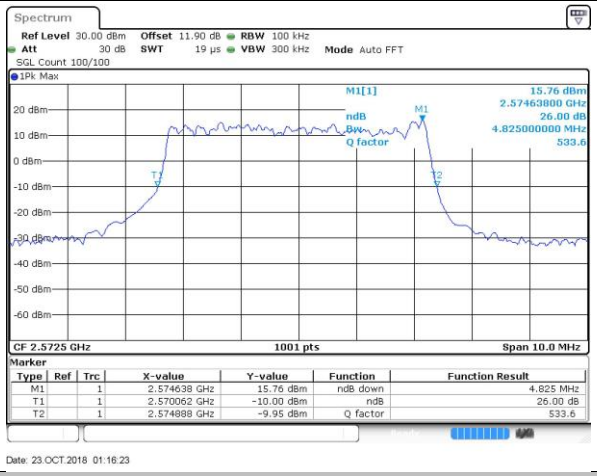
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.94	4.83	9.75	9.63	14.60	14.36	20.14	20.18
Middle CH	-	-	-	-	4.90	4.95	9.75	9.79	14.15	14.48	20.14	20.14
Highest CH	-	-	-	-	4.91	4.87	9.81	9.79	14.12	14.33	20.06	20.06
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.77	-	14.21	-	20.18	-
Middle CH	-	-	-	-	4.86	-	9.65	-	14.30	-	20.22	-
Highest CH	-	-	-	-	4.99	-	9.71	-	14.24	-	20.10	-

LTE Band 38

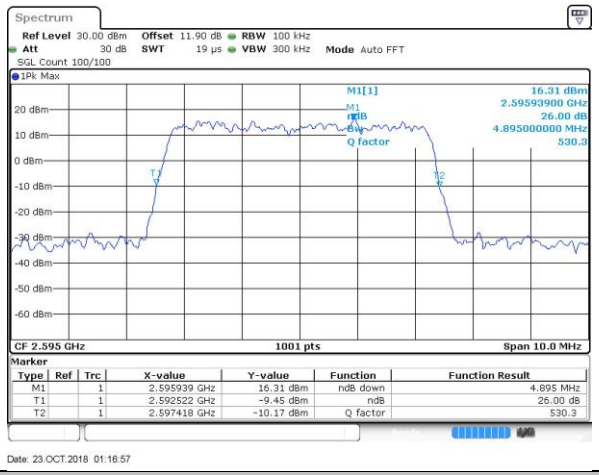
Lowest Channel / 5MHz / QPSK



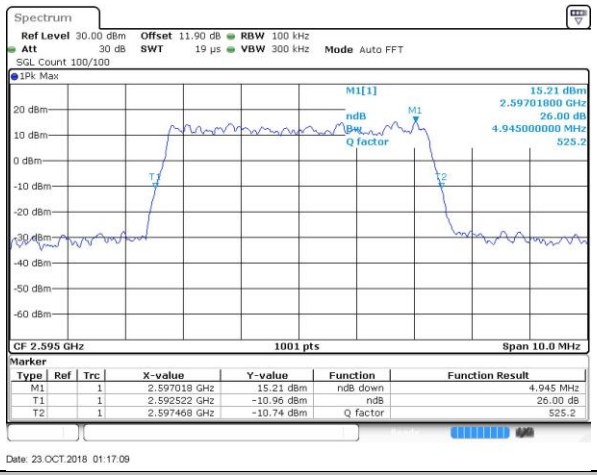
Lowest Channel / 5MHz / 16QAM



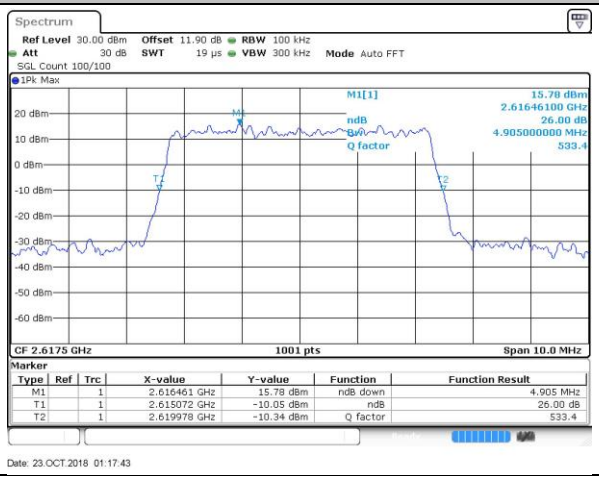
Middle Channel / 5MHz / QPSK



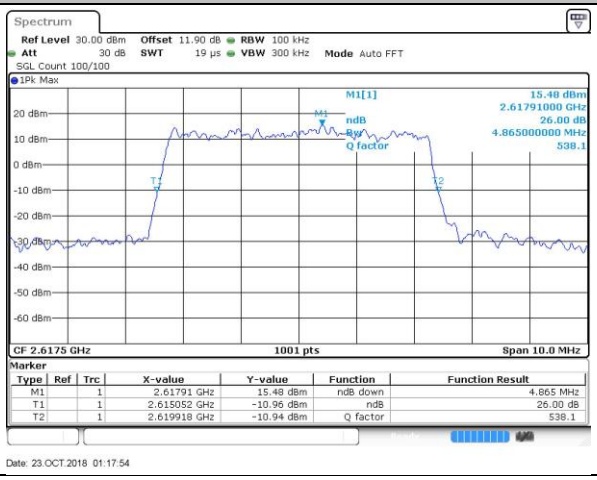
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

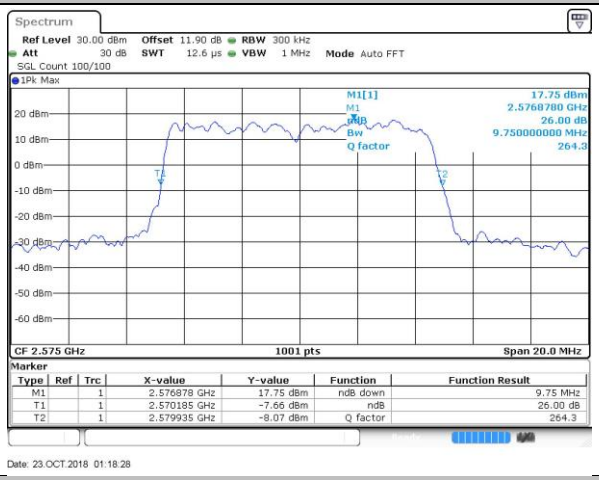


Highest Channel / 5MHz / 16QAM

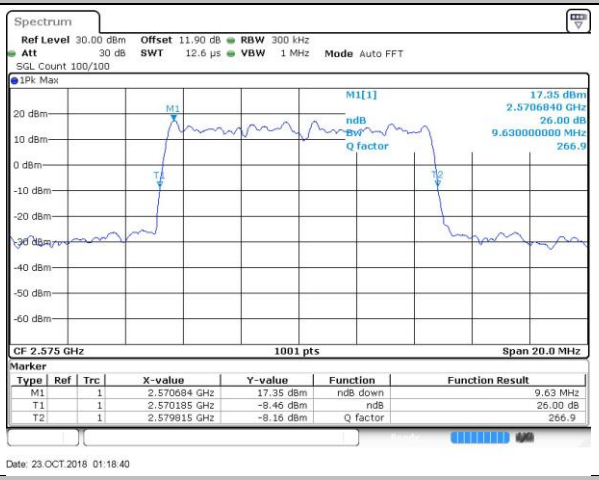


LTE Band 38

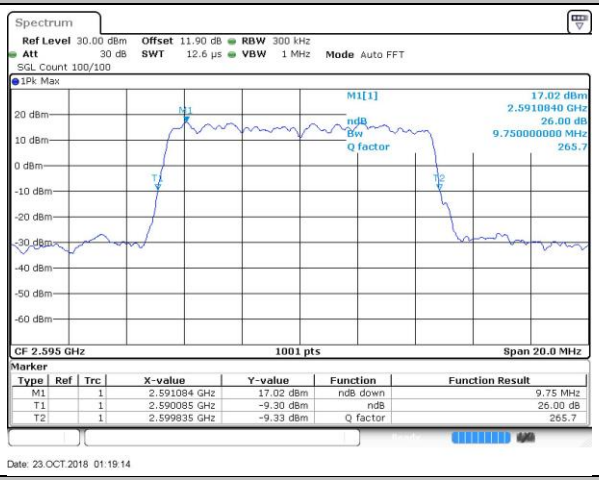
Lowest Channel / 10MHz / QPSK



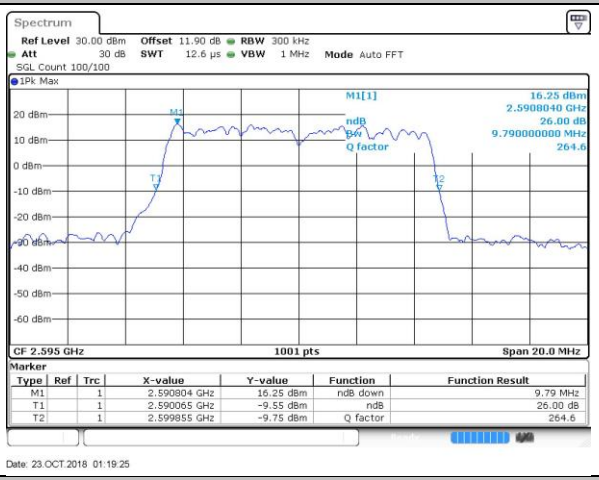
Lowest Channel / 10MHz / 16QAM



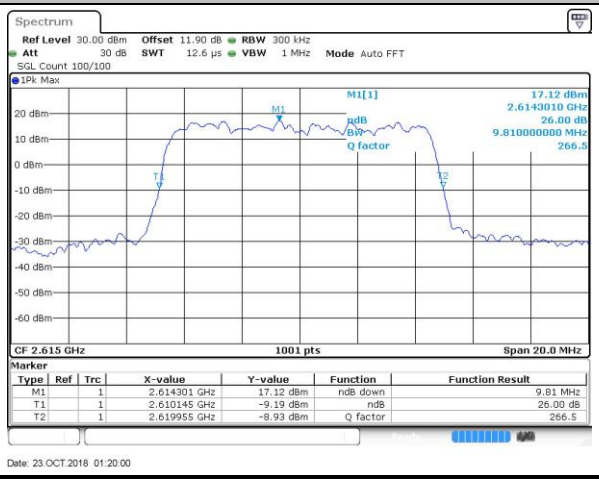
Middle Channel / 10MHz / QPSK



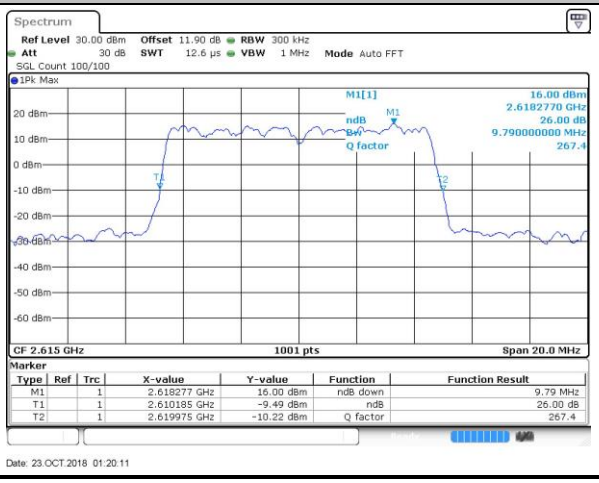
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

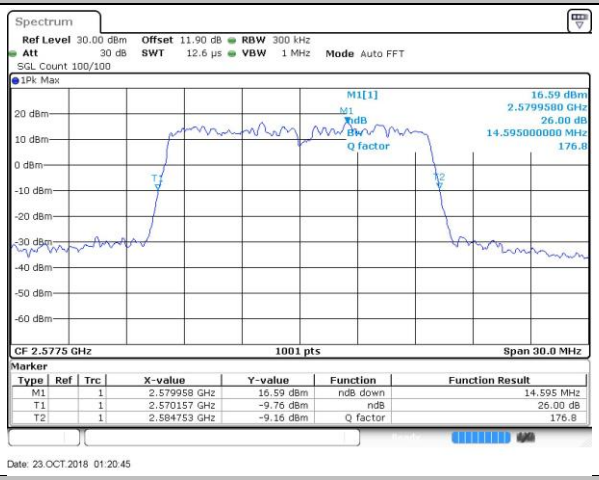


Highest Channel / 10MHz / 16QAM

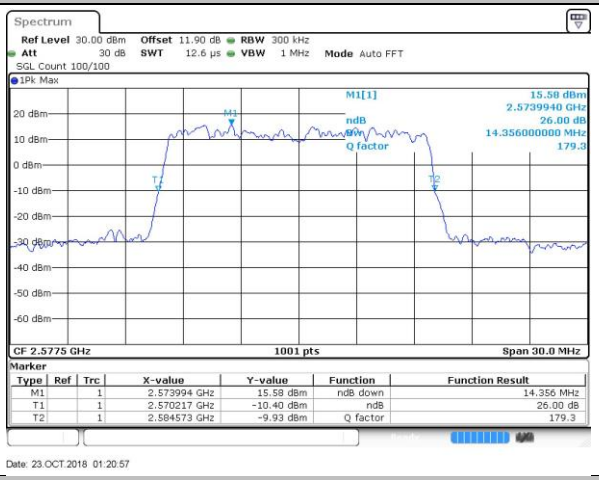


LTE Band 38

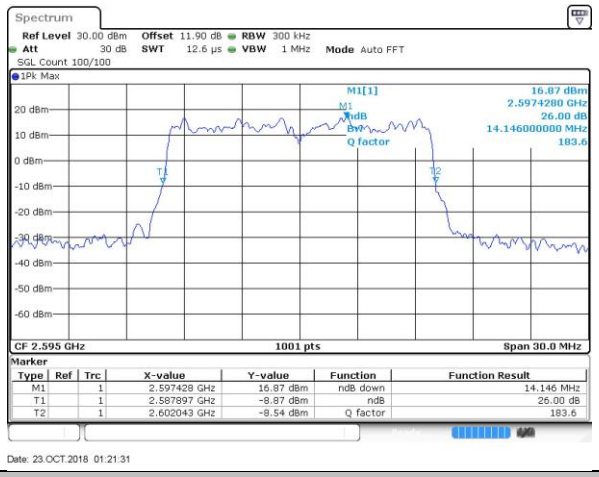
Lowest Channel / 15MHz / QPSK



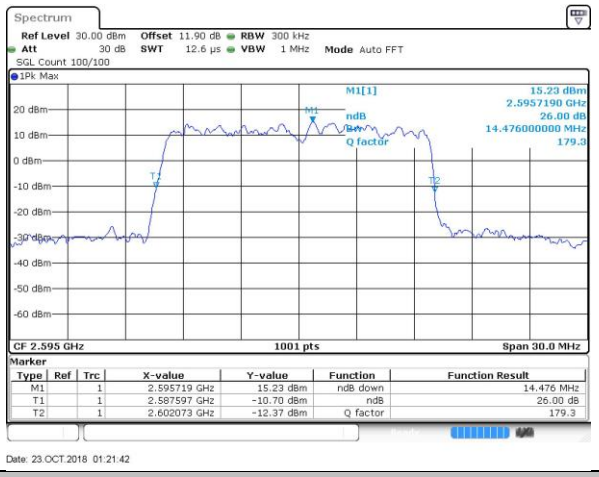
Lowest Channel / 15MHz / 16QAM



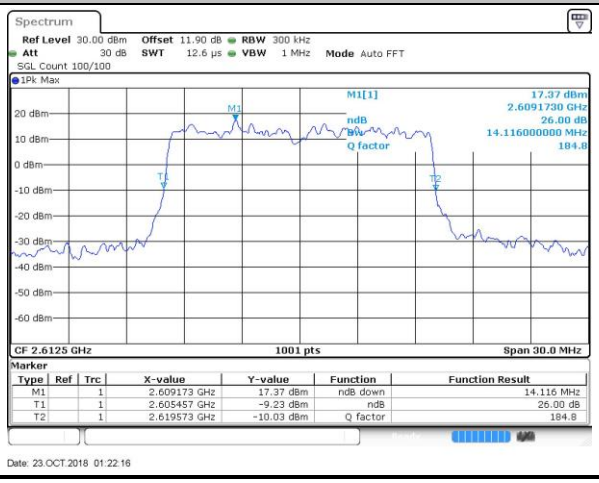
Middle Channel / 15MHz / QPSK



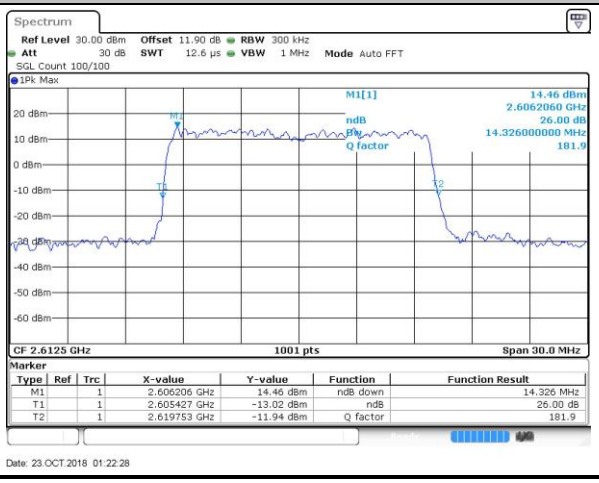
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

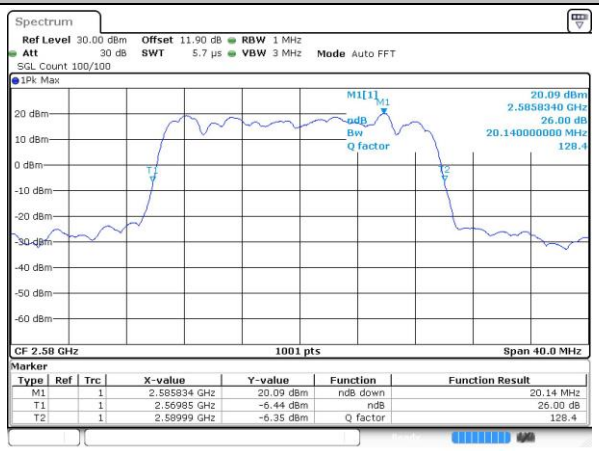


Highest Channel / 15MHz / 16QAM

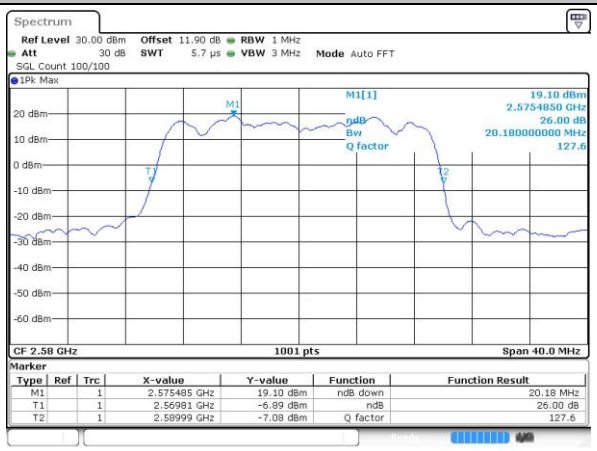


LTE Band 38

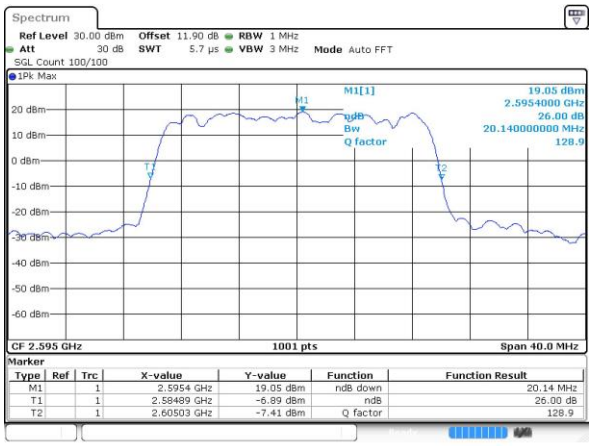
Lowest Channel / 20MHz / QPSK



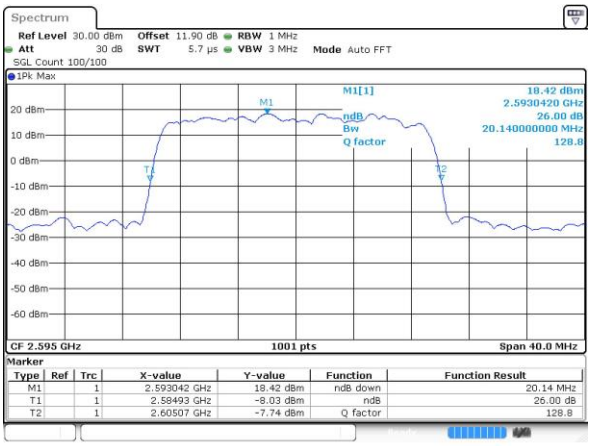
Lowest Channel / 20MHz / 16QAM



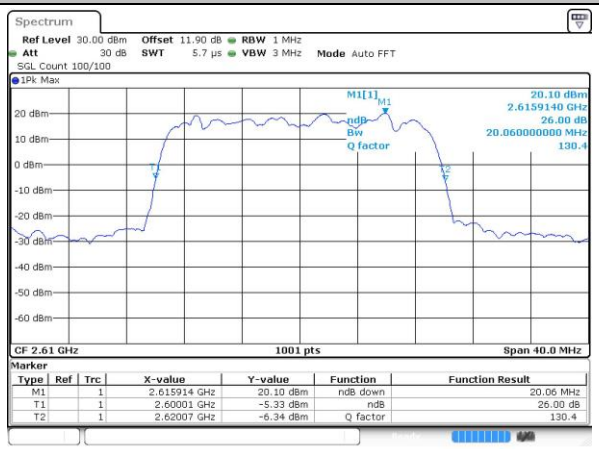
Middle Channel / 20MHz / QPSK



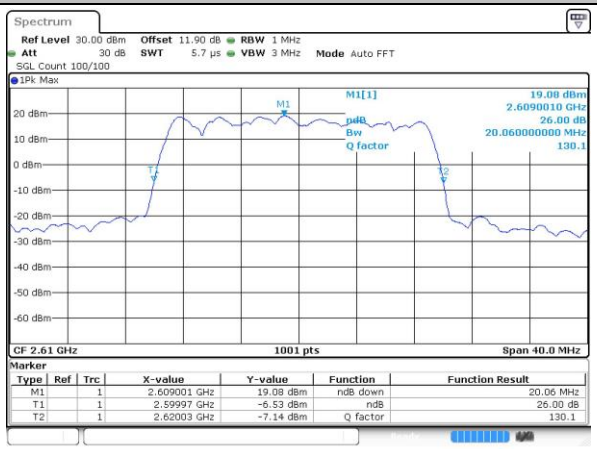
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

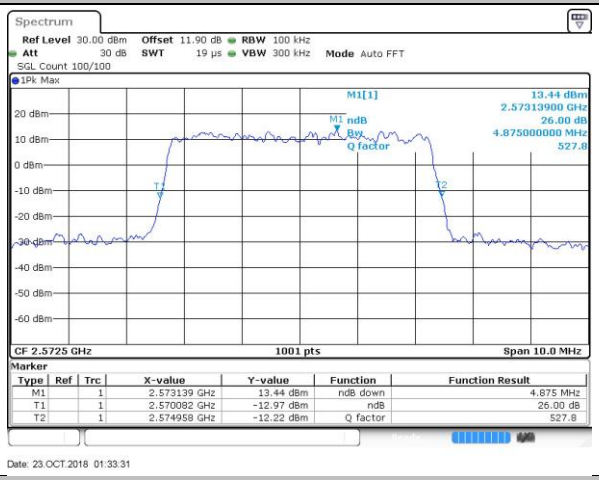


Highest Channel / 20MHz / 16QAM

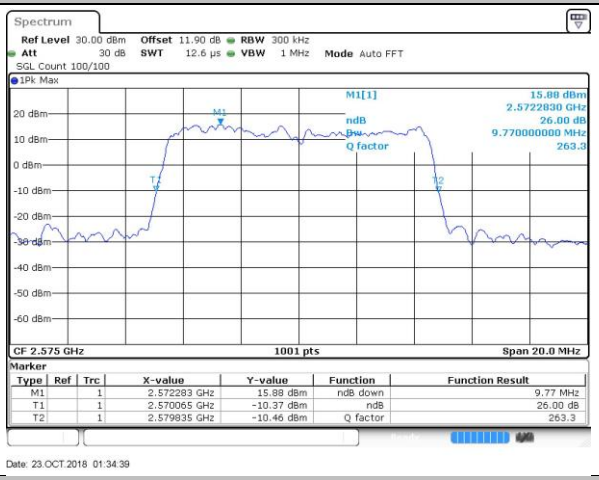


LTE Band 38

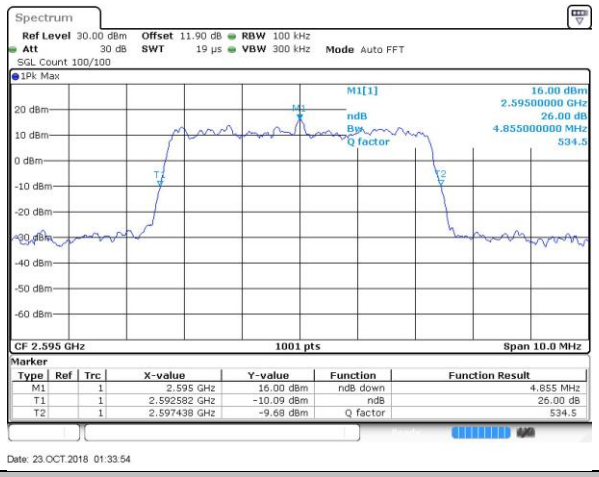
Lowest Channel / 5MHz / 64QAM



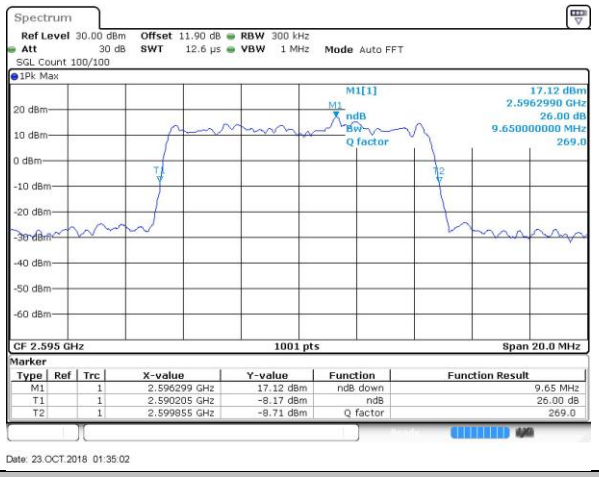
Lowest Channel / 10MHz / 64QAM



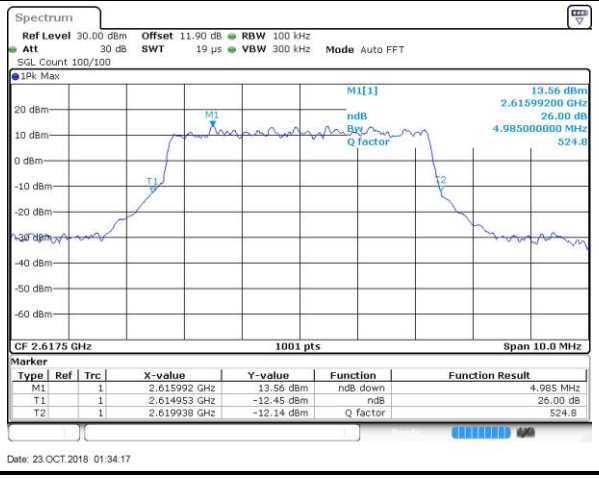
Middle Channel / 5MHz / 64QAM



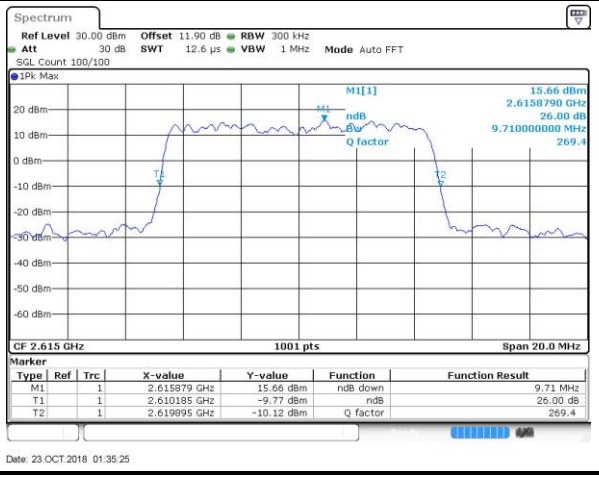
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

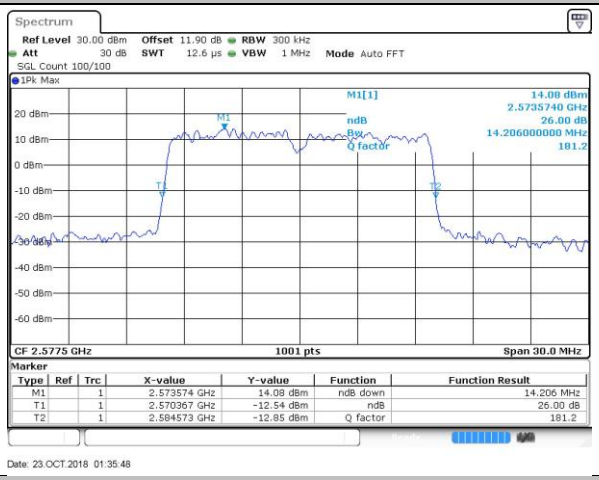


Highest Channel / 10MHz / 64QAM

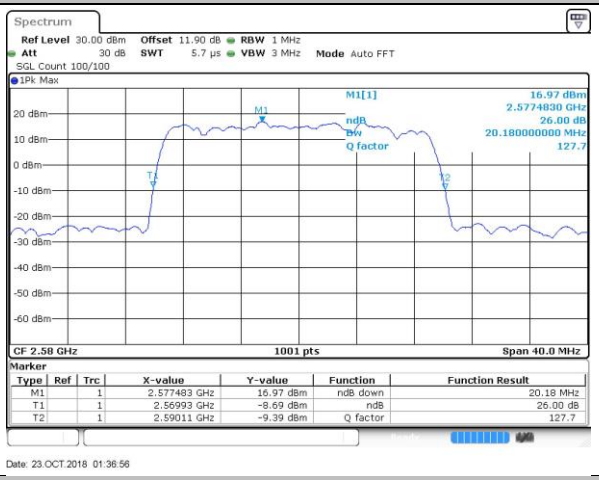


LTE Band 38

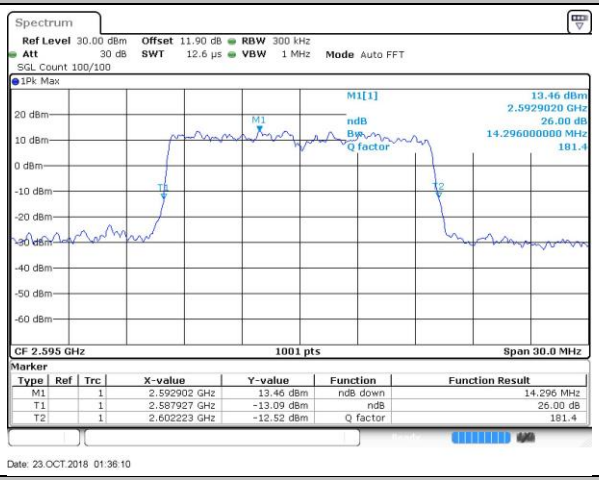
Lowest Channel / 15MHz / 64QAM



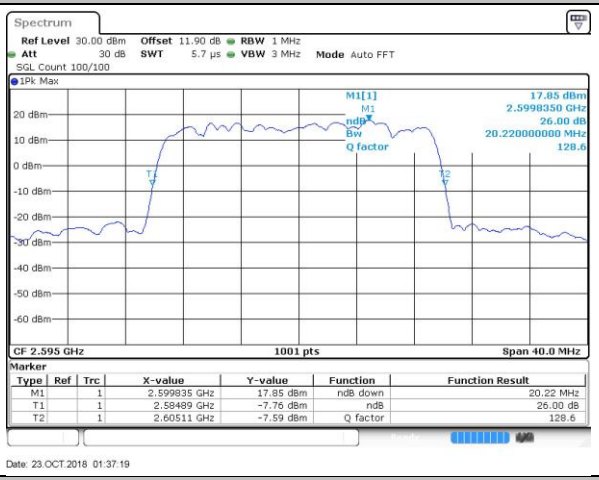
Lowest Channel / 20MHz / 64QAM



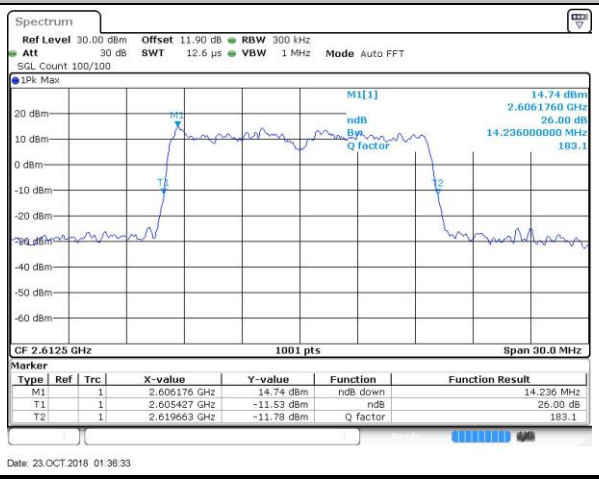
Middle Channel / 15MHz / 64QAM



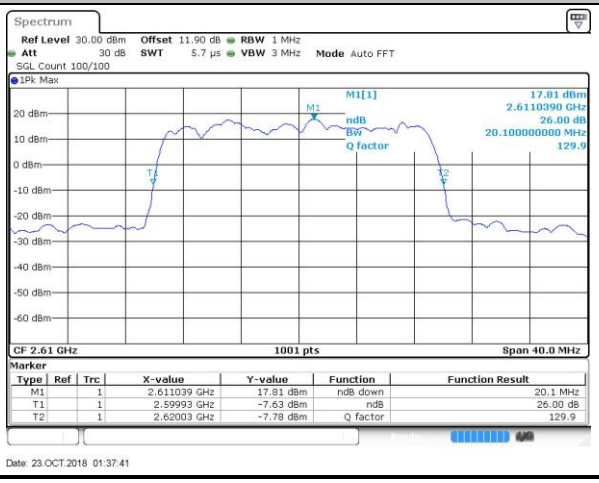
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

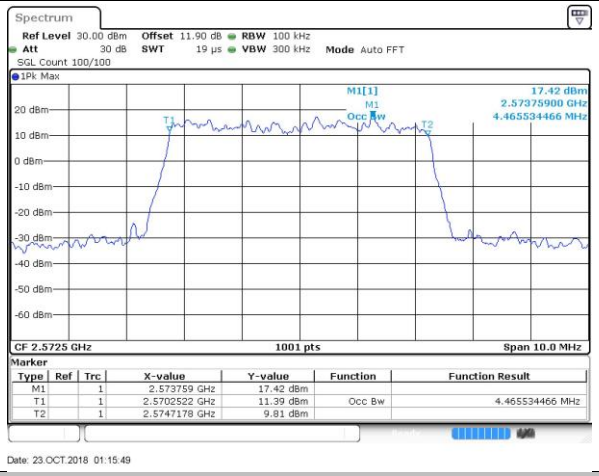


Occupied Bandwidth

Mode	LTE Band 38 : 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	-	-	-	-	4.47	4.5	9.03	9.03	13.52	13.43	18.22	18.14
Middle CH	-	-	-	-	4.49	4.51	9.07	8.97	13.34	13.46	18.18	18.38
Highest CH	-	-	-	-	4.48	4.48	9.03	8.99	13.37	13.46	18.38	18.26
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	8.97	-	13.49	-	18.26	-
Middle CH	-	-	-	-	4.49	-	9.07	-	13.43	-	18.42	-
Highest CH	-	-	-	-	4.51	-	9.01	-	13.40	-	18.38	-

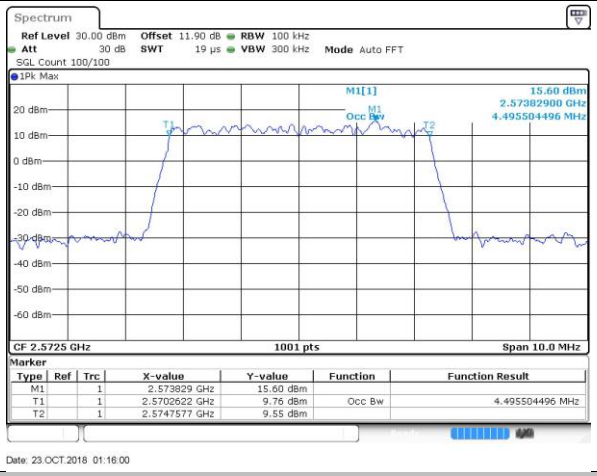
LTE Band 38

Lowest Channel / 5MHz / QPSK



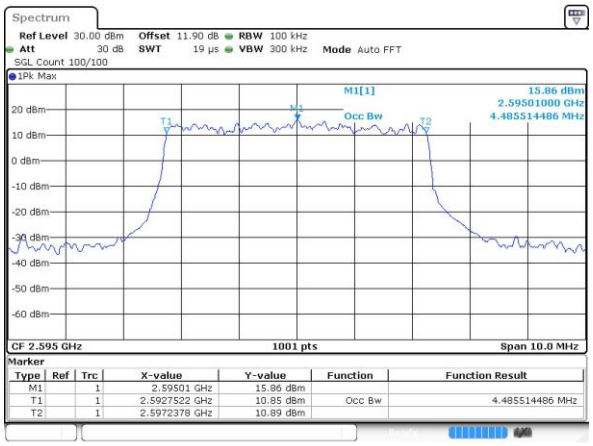
Date: 23.OCT.2018 01:15:49

Lowest Channel / 5MHz / 16QAM



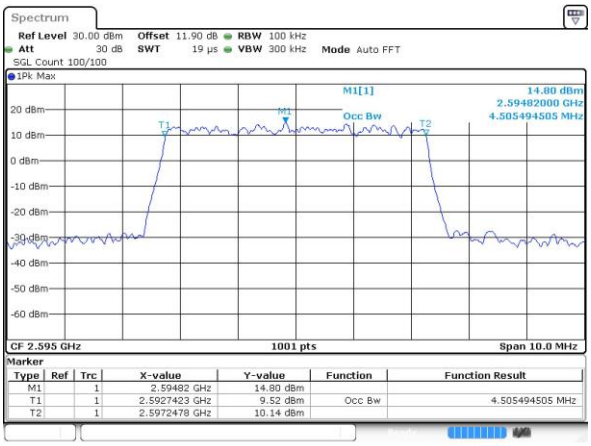
Date: 23.OCT.2018 01:16:00

Middle Channel / 5MHz / QPSK



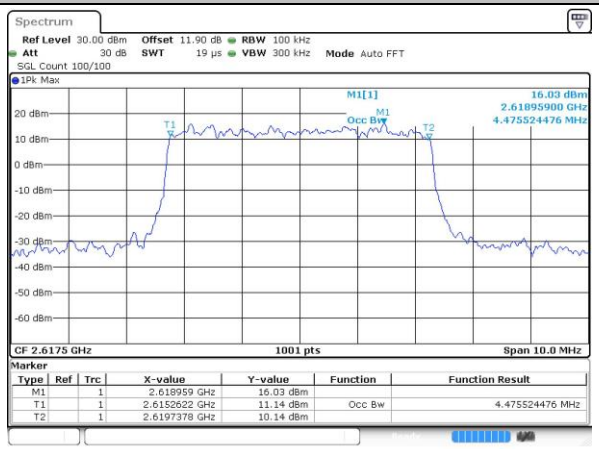
Date: 23.OCT.2018 01:16:35

Middle Channel / 5MHz / 16QAM



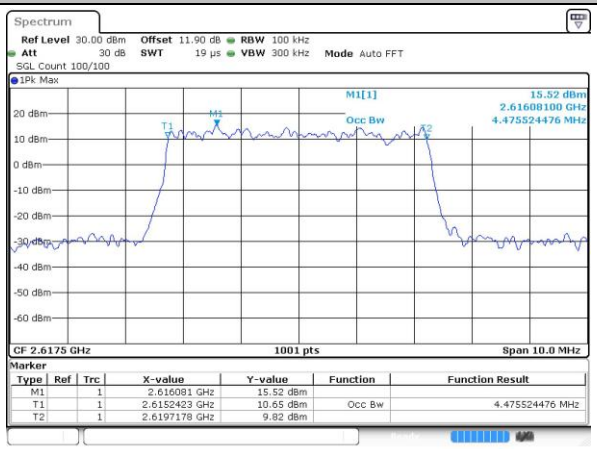
Date: 23.OCT.2018 01:16:46

Highest Channel / 5MHz / QPSK



Date: 23.OCT.2018 01:17:20

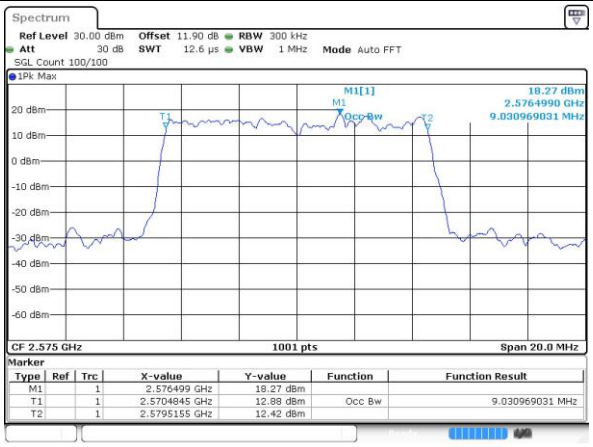
Highest Channel / 5MHz / 16QAM



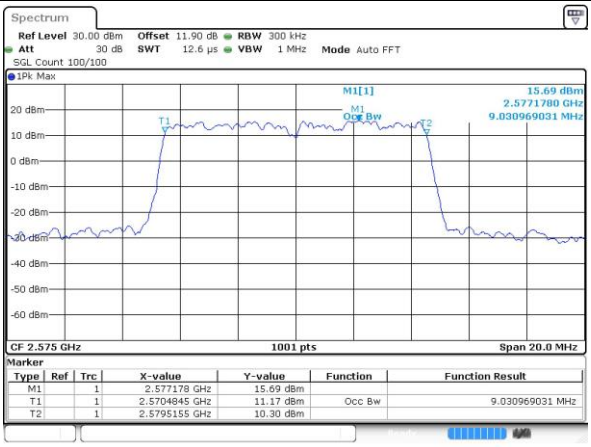
Date: 23.OCT.2018 01:17:31

LTE Band 38

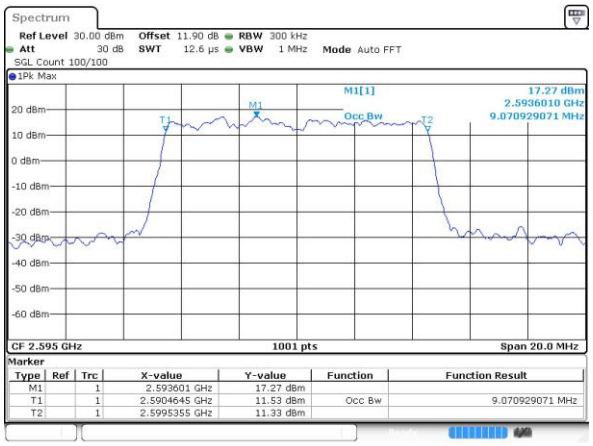
Lowest Channel / 10MHz / QPSK



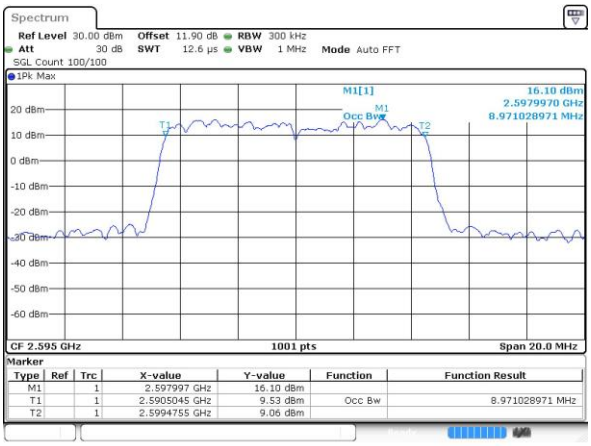
Lowest Channel / 10MHz / 16QAM



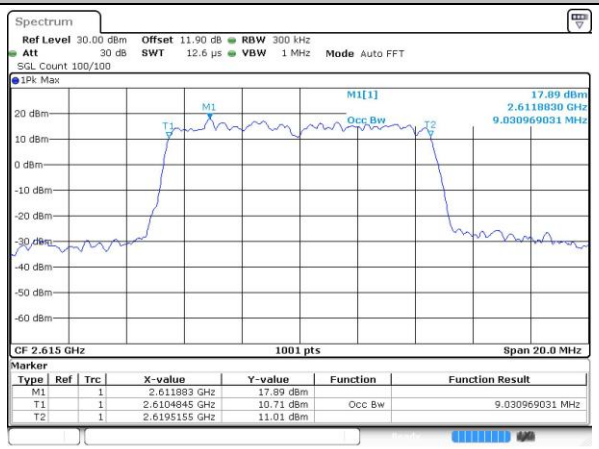
Middle Channel / 10MHz / QPSK



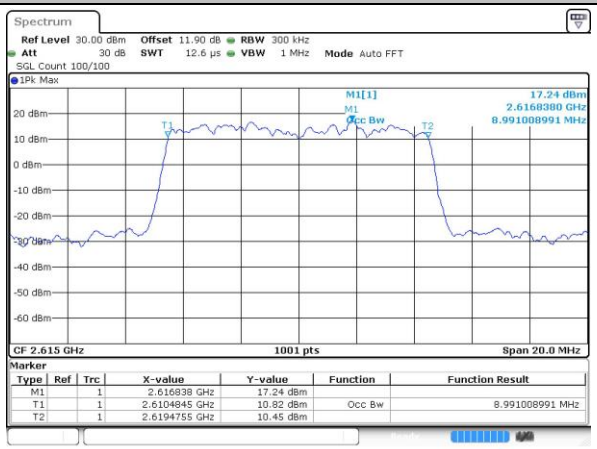
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

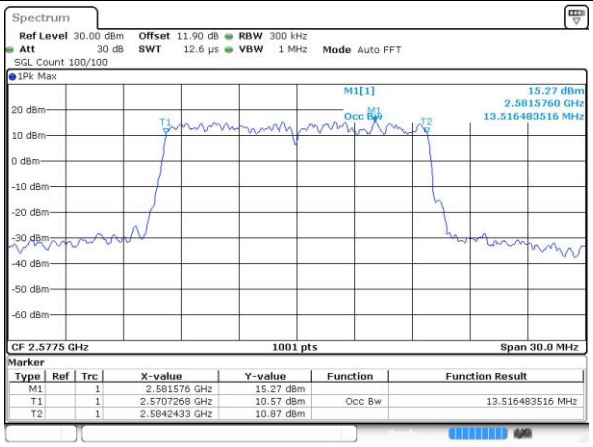


Highest Channel / 10MHz / 16QAM

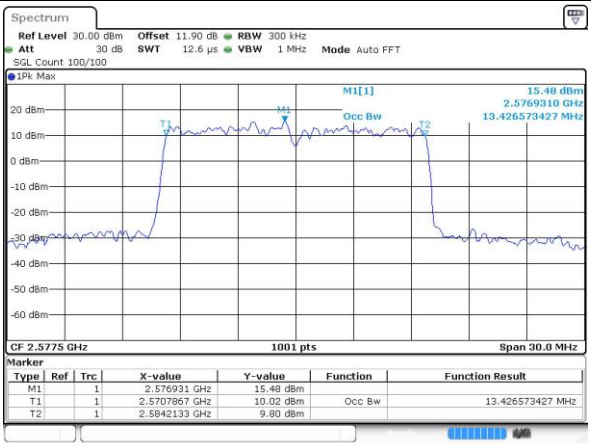


LTE Band 38

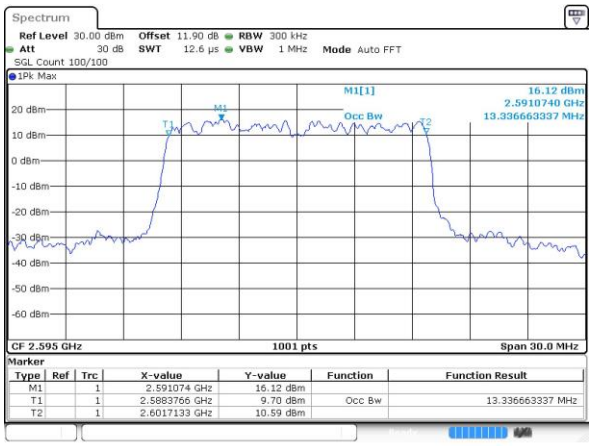
Lowest Channel / 15MHz / QPSK



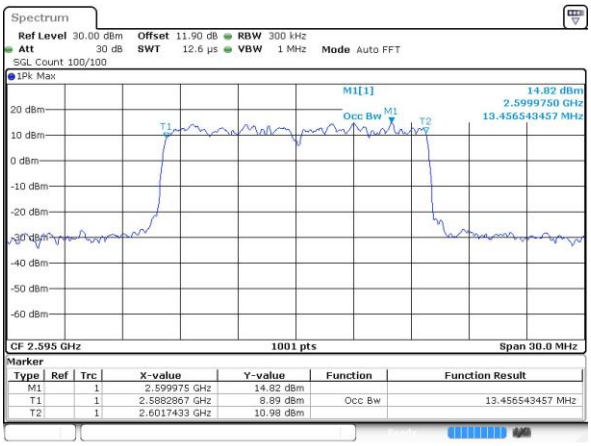
Lowest Channel / 15MHz / 16QAM



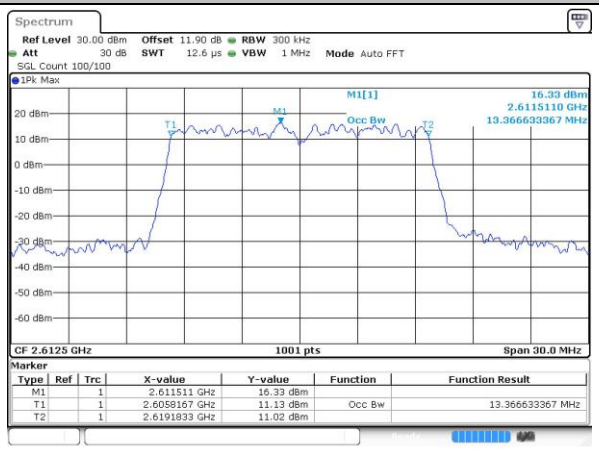
Middle Channel / 15MHz / QPSK



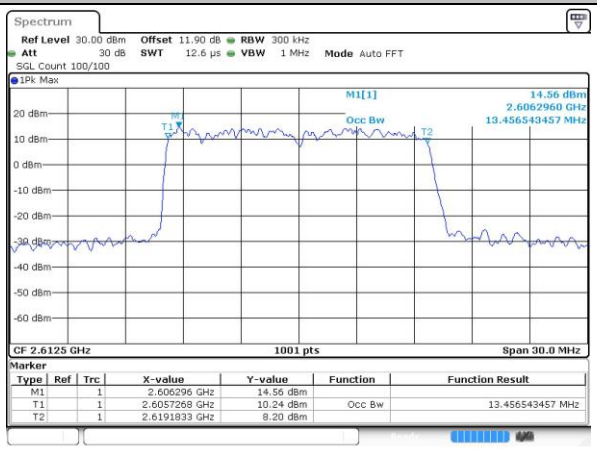
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

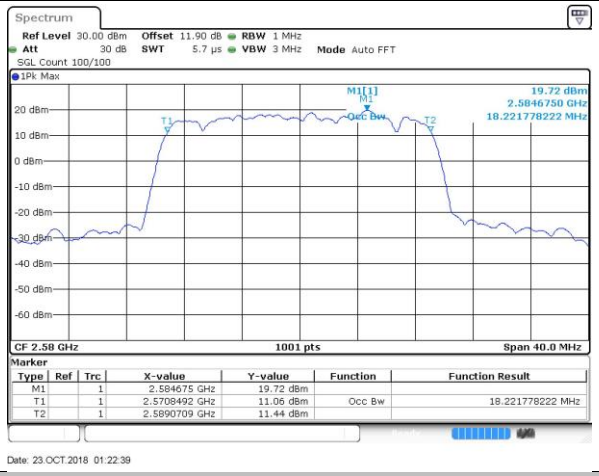


Highest Channel / 15MHz / 16QAM



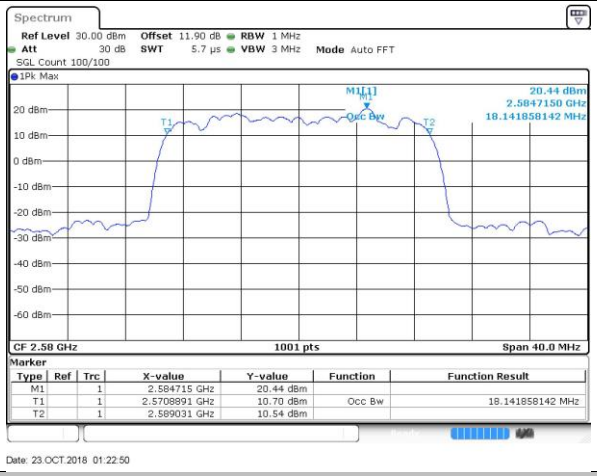
LTE Band 38

Lowest Channel / 20MHz / QPSK



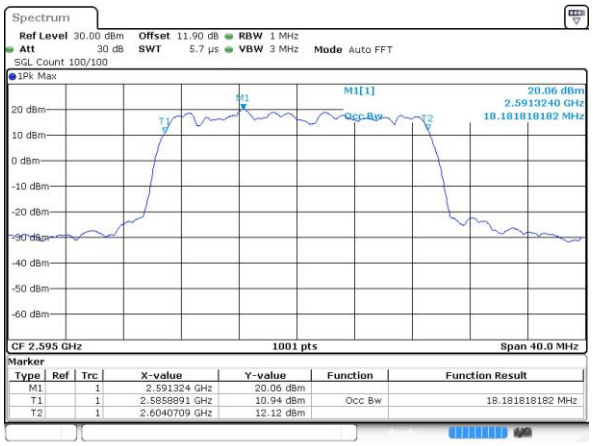
Date: 23.OCT.2018 01:22:39

Lowest Channel / 20MHz / 16QAM



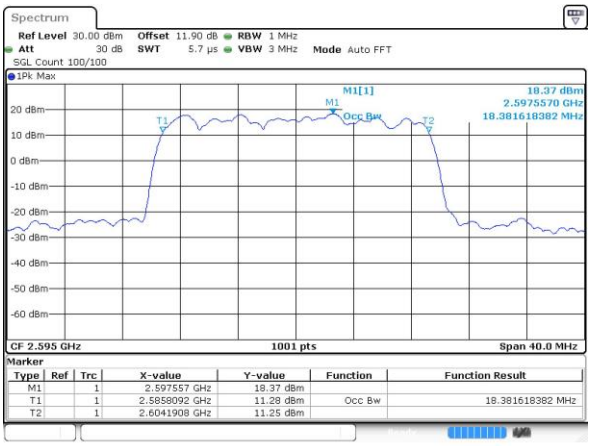
Date: 23.OCT.2018 01:22:50

Middle Channel / 20MHz / QPSK



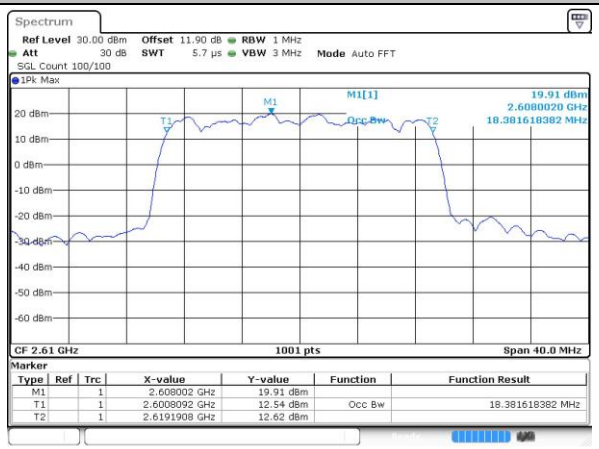
Date: 23.OCT.2018 01:23:24

Middle Channel / 20MHz / 16QAM



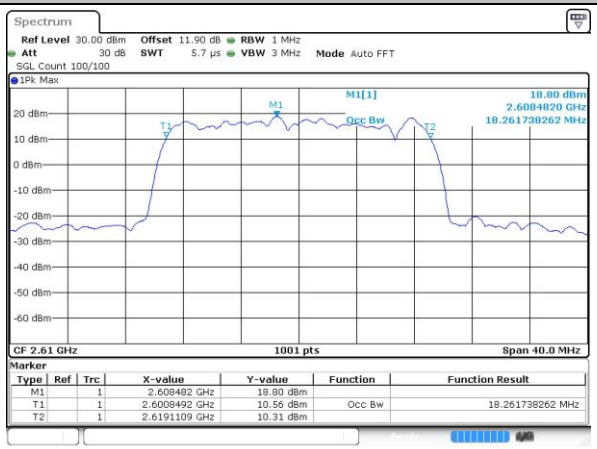
Date: 23.OCT.2018 01:23:36

Highest Channel / 20MHz / QPSK



Date: 23.OCT.2018 01:24:10

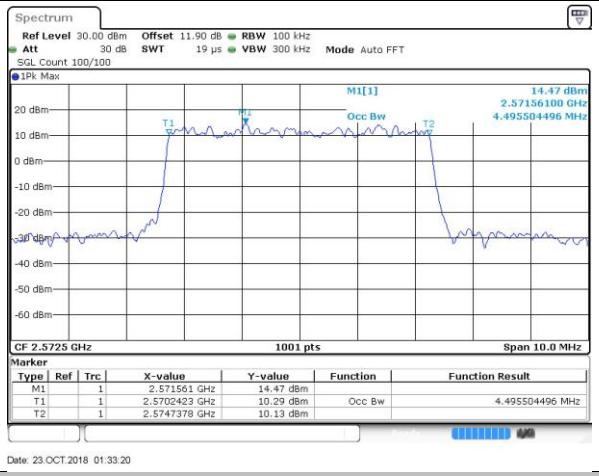
Highest Channel / 20MHz / 16QAM



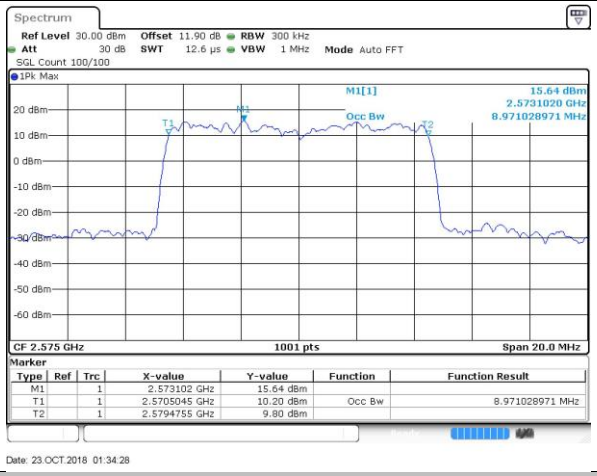
Date: 23.OCT.2018 01:24:21

LTE Band 38

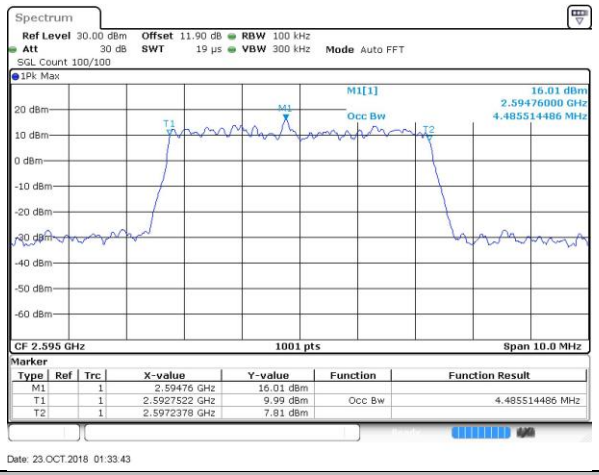
Lowest Channel / 5MHz / 64QAM



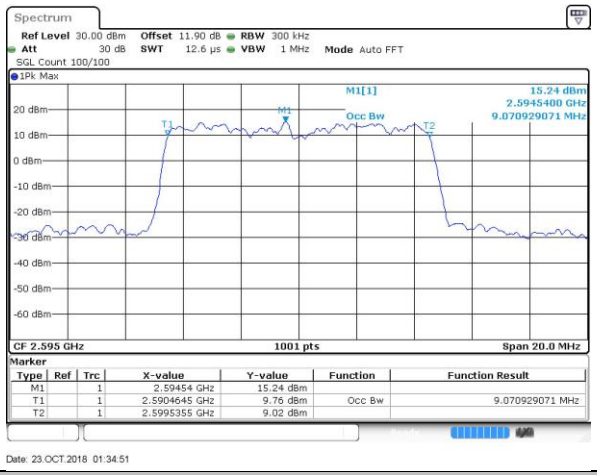
Lowest Channel / 10MHz / 64QAM



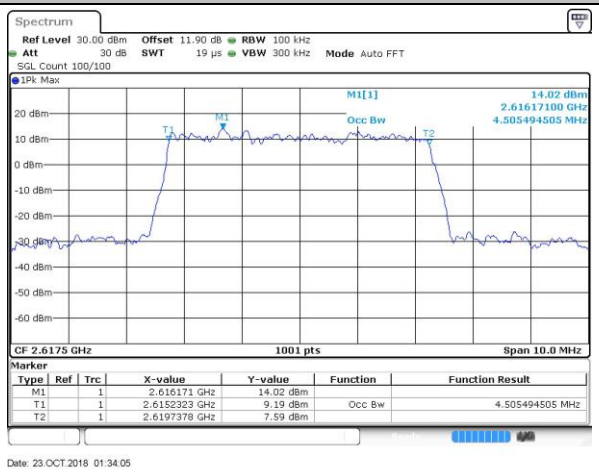
Middle Channel / 5MHz / 64QAM



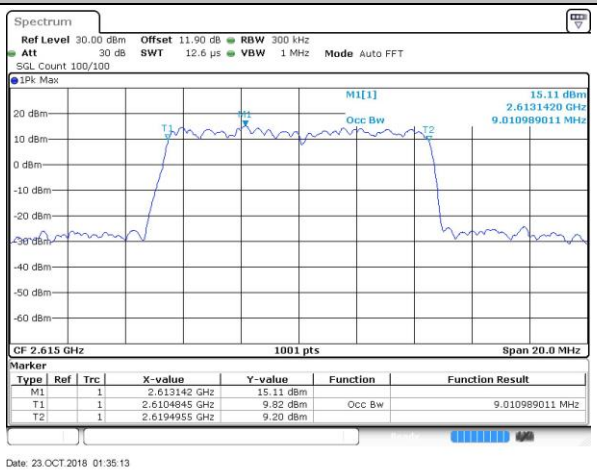
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

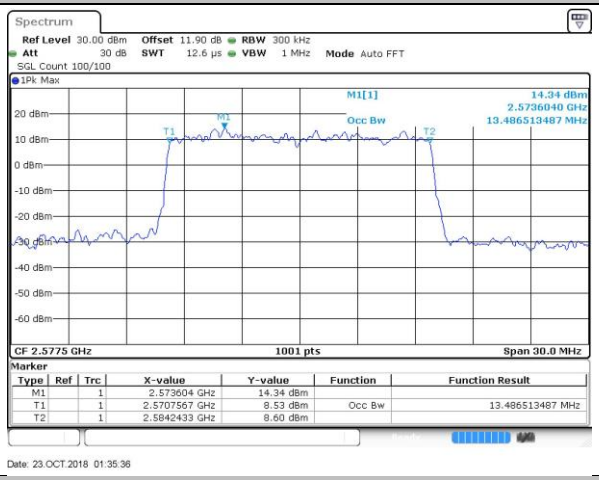


Highest Channel / 10MHz / 64QAM

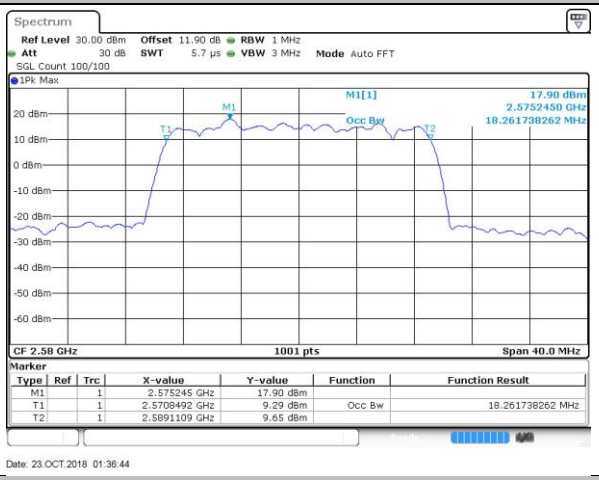


LTE Band 38

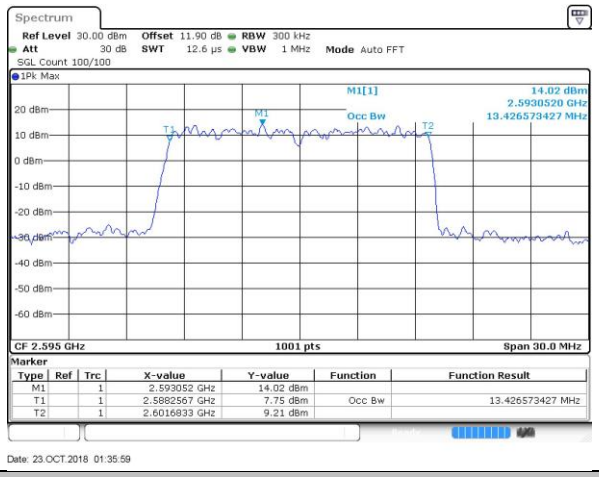
Lowest Channel / 15MHz / 64QAM



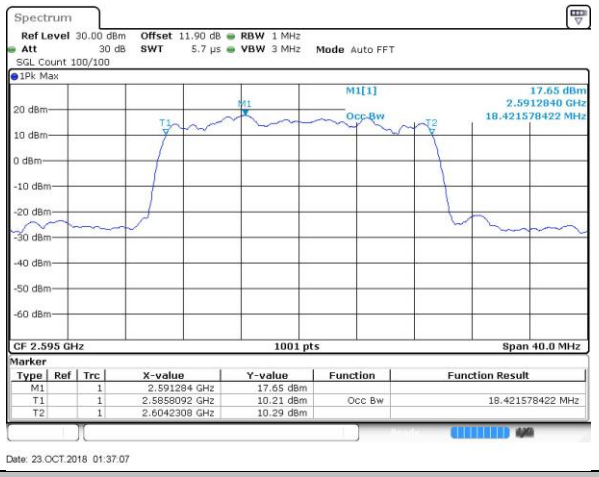
Lowest Channel / 20MHz / 64QAM



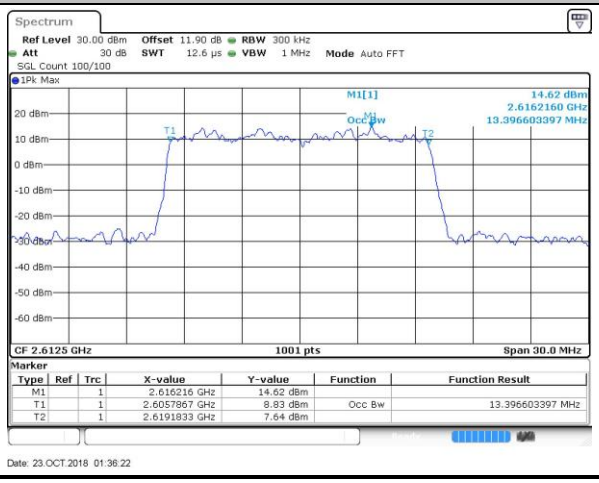
Middle Channel / 15MHz / 64QAM



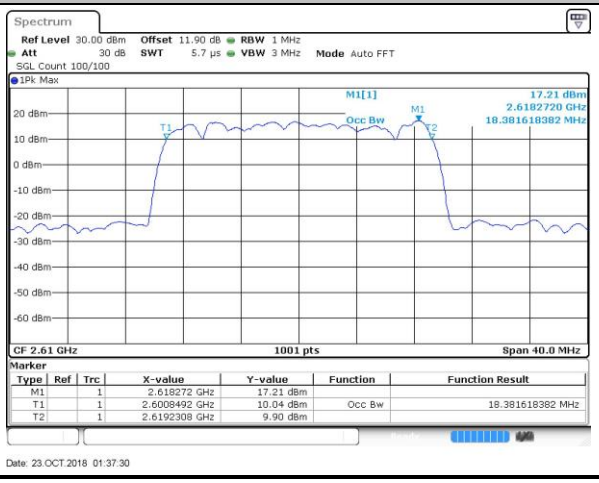
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



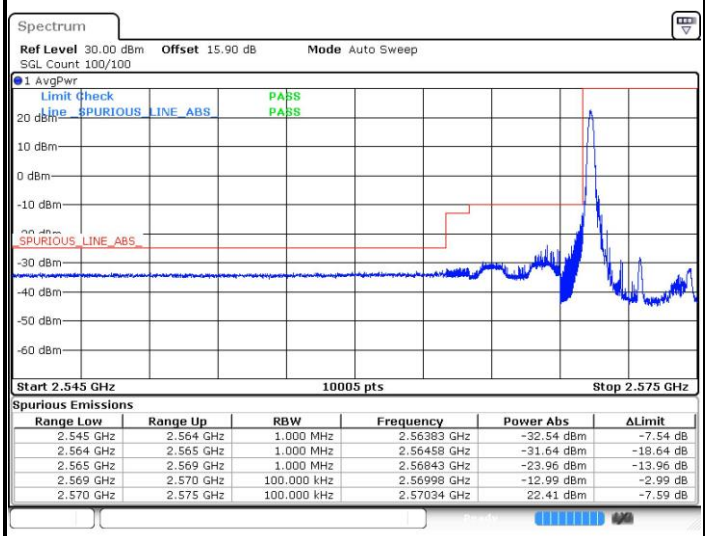
Highest Channel / 20MHz / 64QAM



Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB

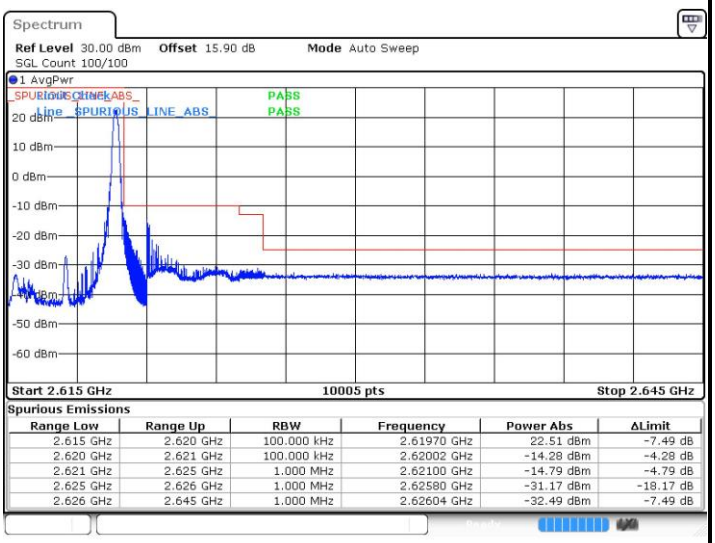


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56383 GHz	-32.54 dBm	-7.54 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56458 GHz	-31.64 dBm	-18.64 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56843 GHz	-23.96 dBm	-13.96 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56998 GHz	-12.99 dBm	-2.99 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57034 GHz	22.41 dBm	-7.59 dB

Date: 22.OCT.2018 23:55:26

Highest Band Edge / 1 RB

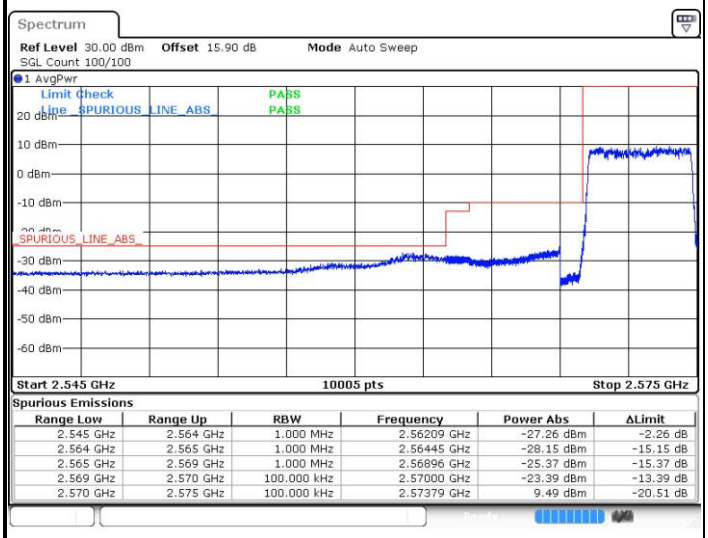


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61970 GHz	22.51 dBm	-7.49 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62002 GHz	-14.28 dBm	-4.28 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62100 GHz	-14.79 dBm	-4.79 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62580 GHz	-31.17 dBm	-18.17 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62604 GHz	-32.49 dBm	-7.49 dB

Date: 23.OCT.2018 00:01:31

Lowest Band Edge / Full RB

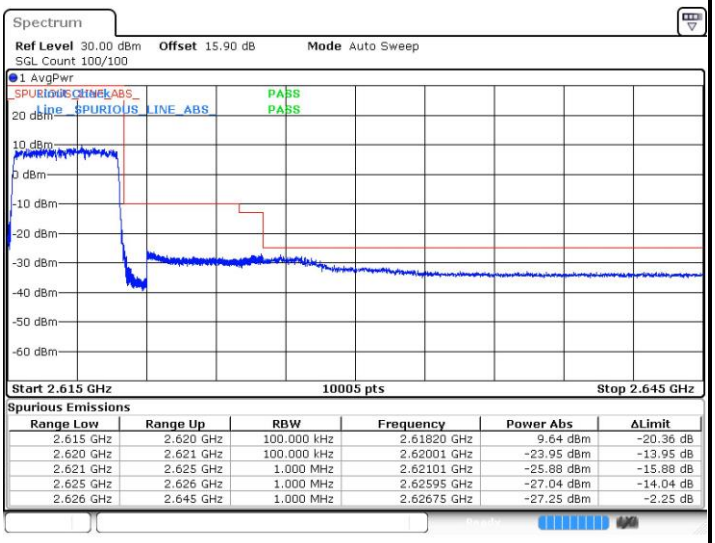


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56209 GHz	-27.26 dBm	-2.26 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56445 GHz	-28.15 dBm	-15.15 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56896 GHz	-25.37 dBm	-15.37 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-23.39 dBm	-13.39 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57379 GHz	9.49 dBm	-20.51 dB

Date: 22.OCT.2018 23:57:28

Highest Band Edge / Full RB



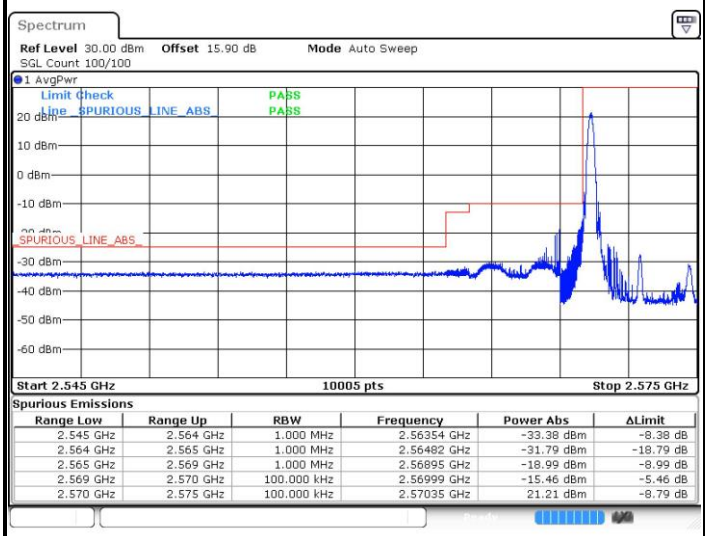
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61820 GHz	9.64 dBm	-20.36 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-23.95 dBm	-13.95 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62101 GHz	-25.88 dBm	-15.88 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62595 GHz	-27.04 dBm	-14.04 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62675 GHz	-27.25 dBm	-2.25 dB

Date: 22.OCT.2018 23:59:29

LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB

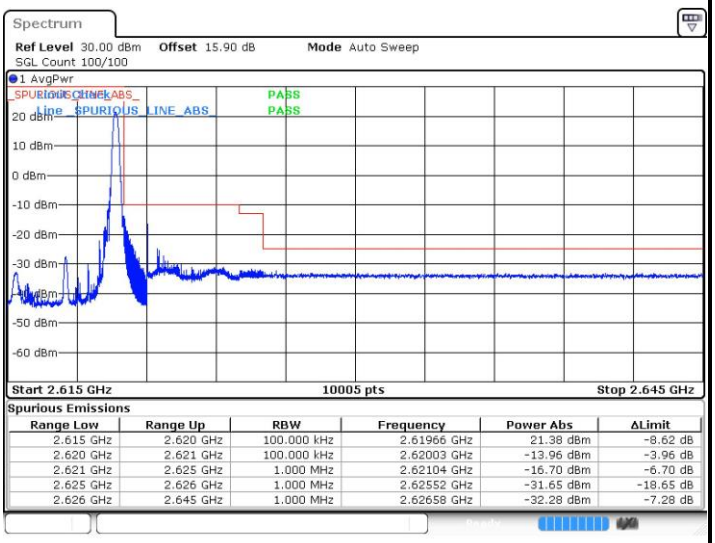


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56354 GHz	-33.38 dBm	-8.38 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56482 GHz	-31.79 dBm	-18.79 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56895 GHz	-18.99 dBm	-8.99 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56999 GHz	-15.46 dBm	-5.46 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57035 GHz	21.21 dBm	-8.79 dB

Date: 22.OCT.2018 23:56:27

Highest Band Edge / 1 RB

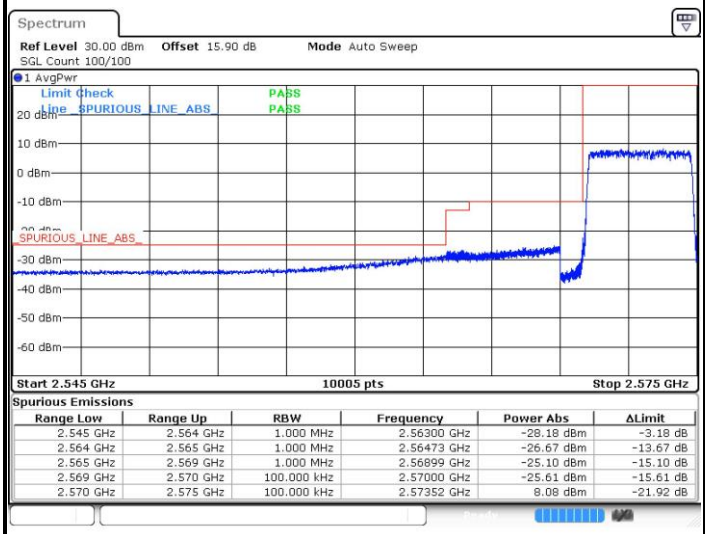


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61966 GHz	21.38 dBm	-8.62 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62003 GHz	-13.96 dBm	-3.96 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62104 GHz	-16.70 dBm	-6.70 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62552 GHz	-31.65 dBm	-18.65 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62658 GHz	-32.28 dBm	-7.28 dB

Date: 23.OCT.2018 00:02:31

Lowest Band Edge / Full RB

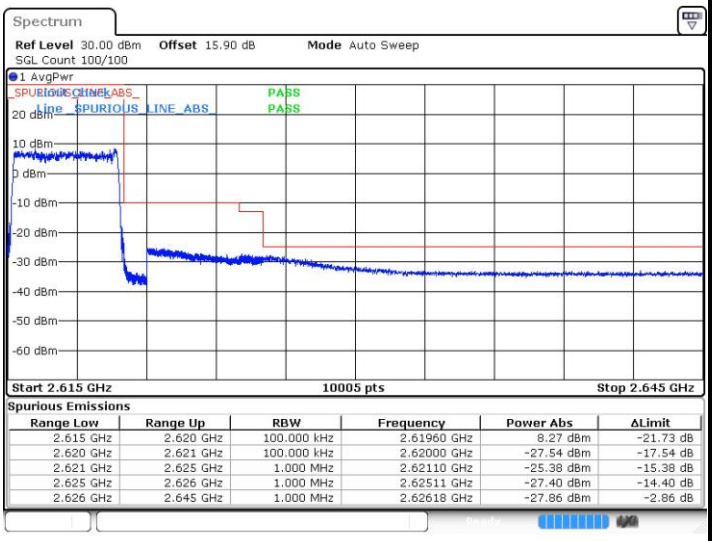


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56300 GHz	-28.18 dBm	-3.18 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56473 GHz	-26.67 dBm	-13.67 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56899 GHz	-25.10 dBm	-15.10 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-25.61 dBm	-15.61 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57352 GHz	8.08 dBm	-21.92 dB

Date: 22.OCT.2018 23:58:28

Highest Band Edge / Full RB



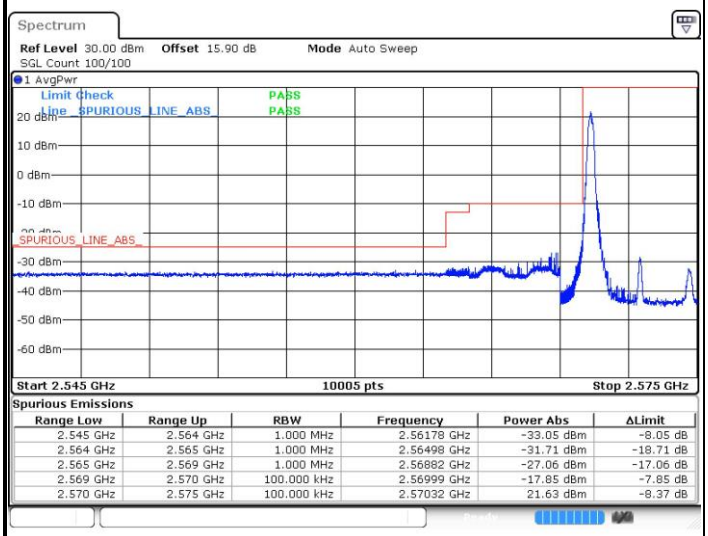
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61960 GHz	8.27 dBm	-21.73 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-27.54 dBm	-17.54 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62110 GHz	-25.38 dBm	-15.38 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62511 GHz	-27.40 dBm	-14.40 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62618 GHz	-27.86 dBm	-2.86 dB

Date: 23.OCT.2018 00:00:30

LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB

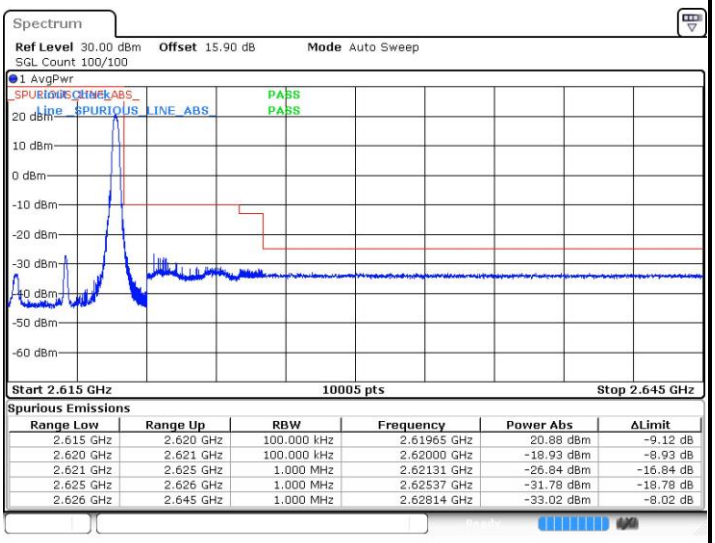


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56178 GHz	-33.05 dBm	-8.05 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56498 GHz	-31.71 dBm	-18.71 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56882 GHz	-27.06 dBm	-17.06 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56999 GHz	-17.85 dBm	-7.85 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57032 GHz	21.63 dBm	-8.37 dB

Date: 23.OCT.2018 00:27:50

Highest Band Edge / 1 RB

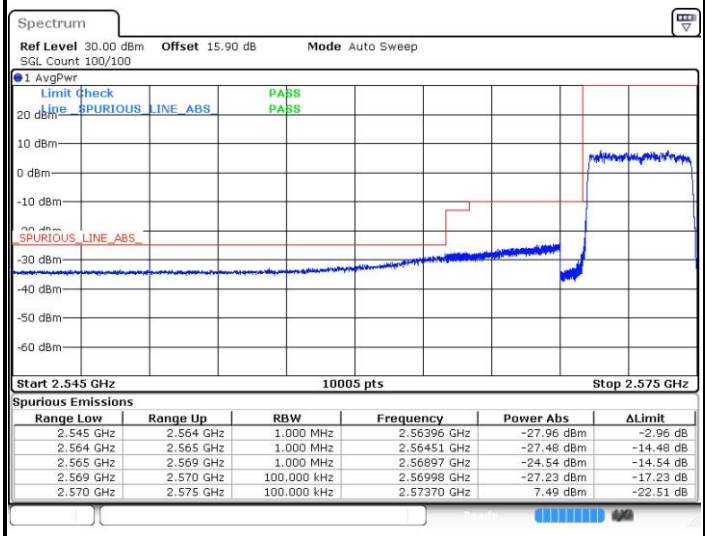


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61965 GHz	20.88 dBm	-9.12 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-18.93 dBm	-8.93 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62131 GHz	-26.84 dBm	-16.84 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62537 GHz	-31.78 dBm	-18.78 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62814 GHz	-33.02 dBm	-8.02 dB

Date: 23.OCT.2018 00:30:52

Lowest Band Edge / Full RB

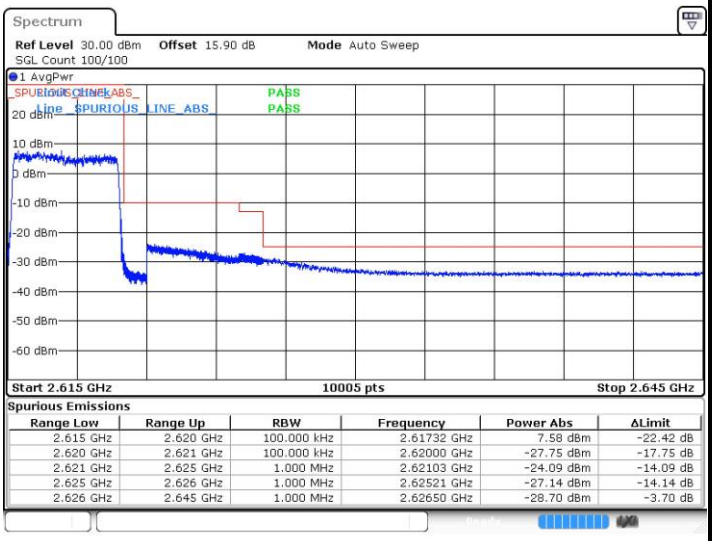


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56396 GHz	-27.96 dBm	-2.96 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56451 GHz	-27.48 dBm	-14.48 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-24.54 dBm	-14.54 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.56998 GHz	-27.23 dBm	-17.23 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57370 GHz	7.49 dBm	-22.51 dB

Date: 23.OCT.2018 00:28:51

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61732 GHz	7.58 dBm	-22.42 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-27.75 dBm	-17.75 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62103 GHz	-24.09 dBm	-14.09 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62521 GHz	-27.14 dBm	-14.14 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62650 GHz	-28.70 dBm	-3.70 dB

Date: 23.OCT.2018 00:29:52