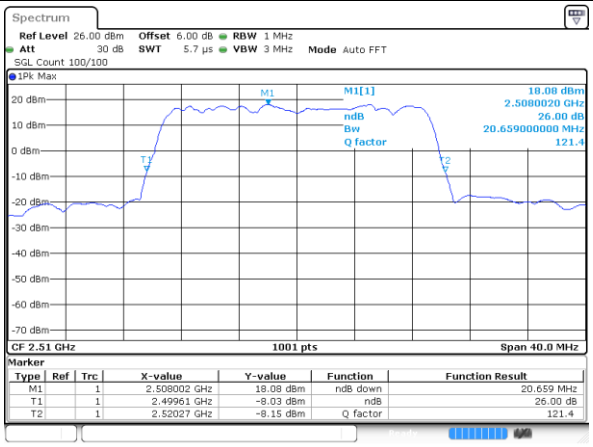
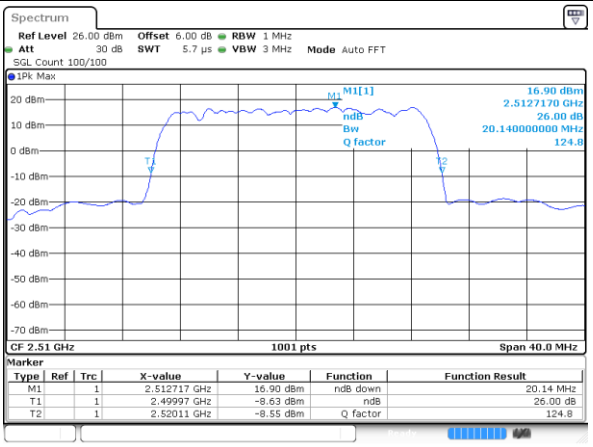
LTE Band 7

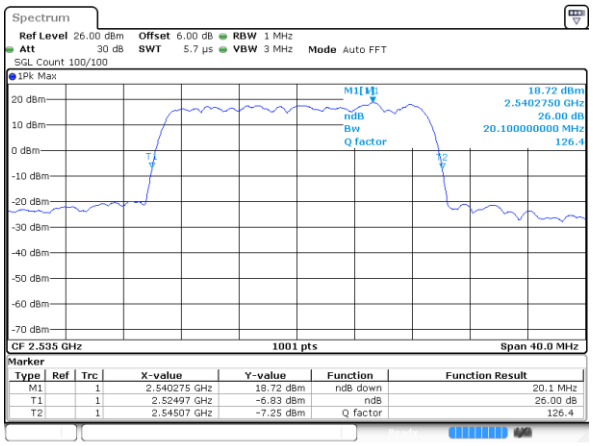
Lowest Channel / 20MHz / QPSK



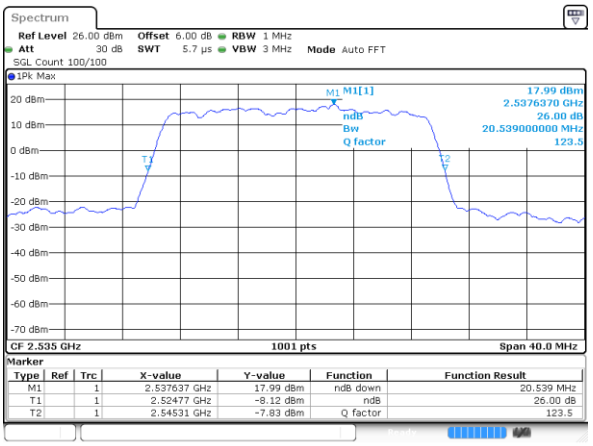
Lowest Channel / 20MHz / 16QAM



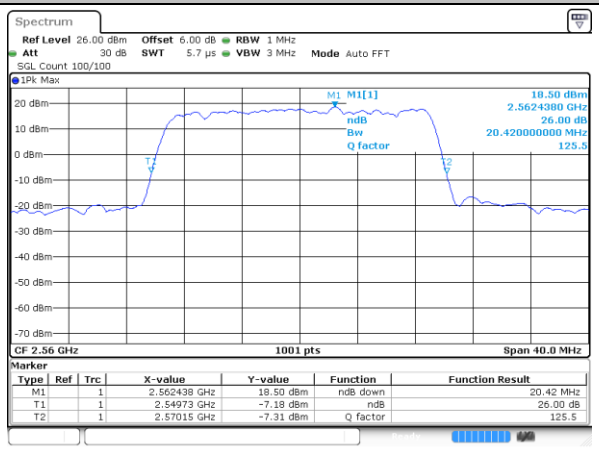
Middle Channel / 20MHz / QPSK



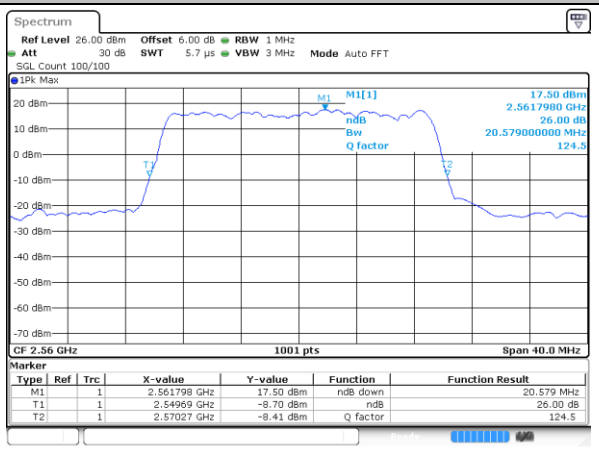
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

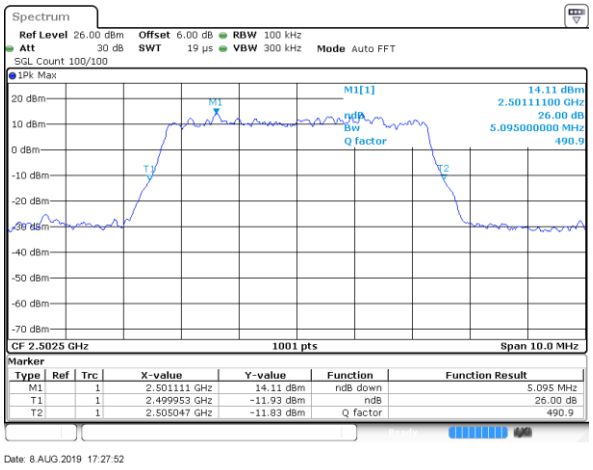


Highest Channel / 20MHz / 16QAM

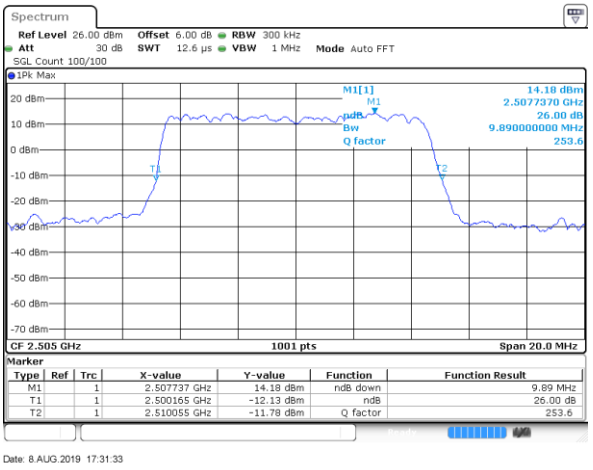


LTE Band 7

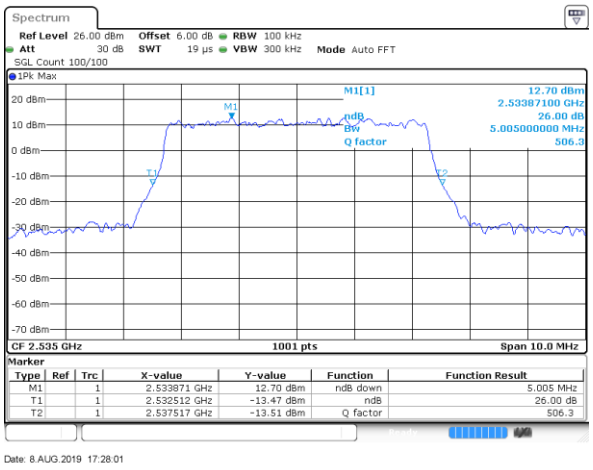
Lowest Channel / 5MHz / 64QAM



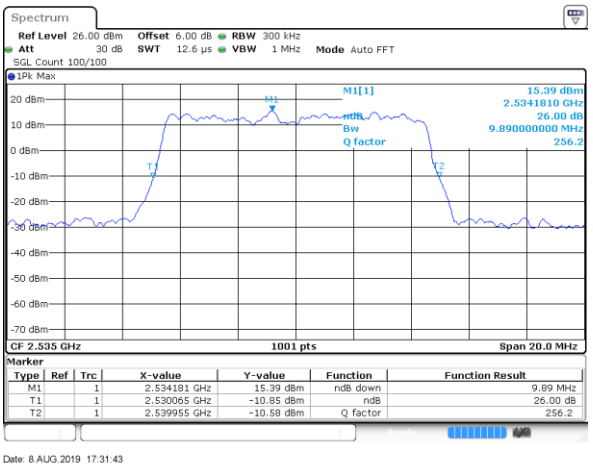
Lowest Channel / 10MHz / 64QAM



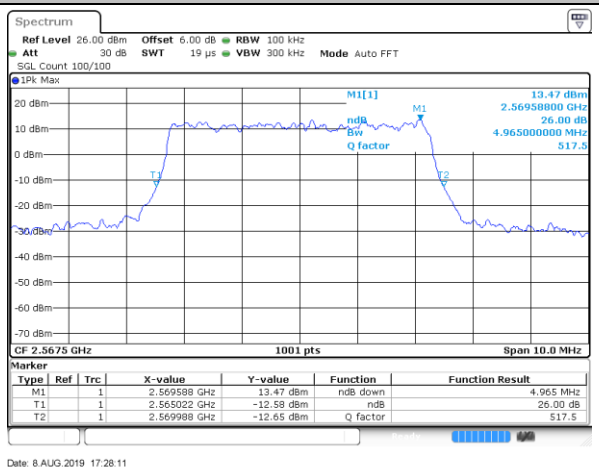
Middle Channel / 5MHz / 64QAM



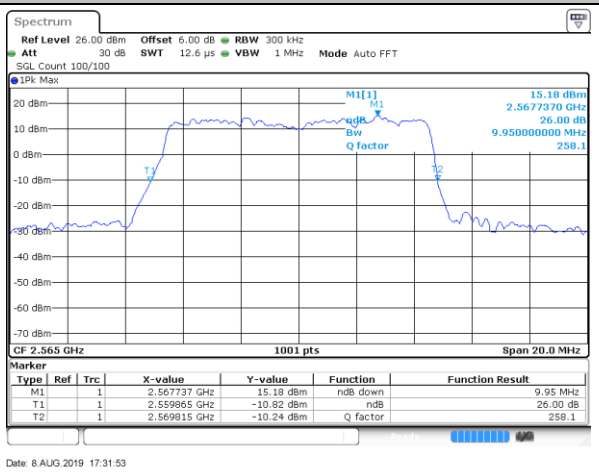
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

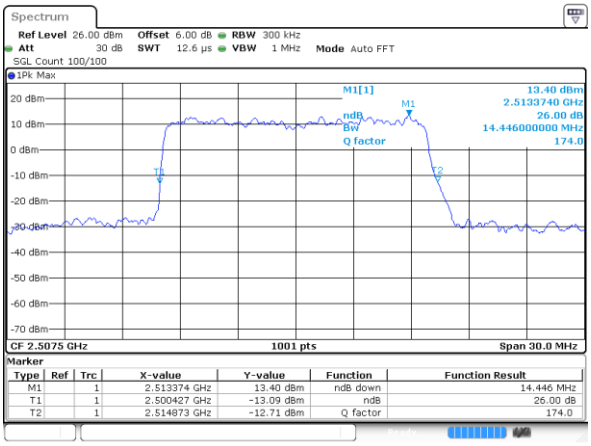


Highest Channel / 10MHz / 64QAM

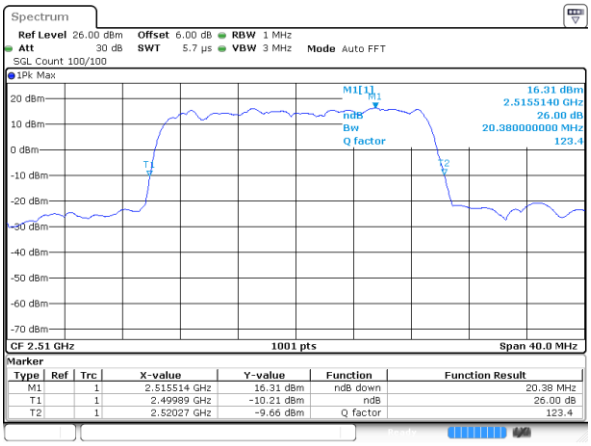


LTE Band 7

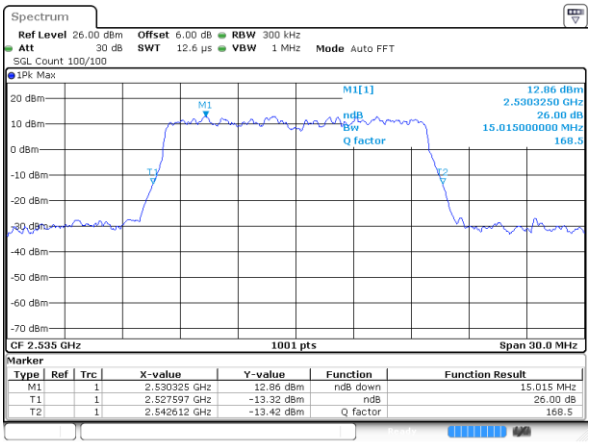
Lowest Channel / 15MHz / 64QAM



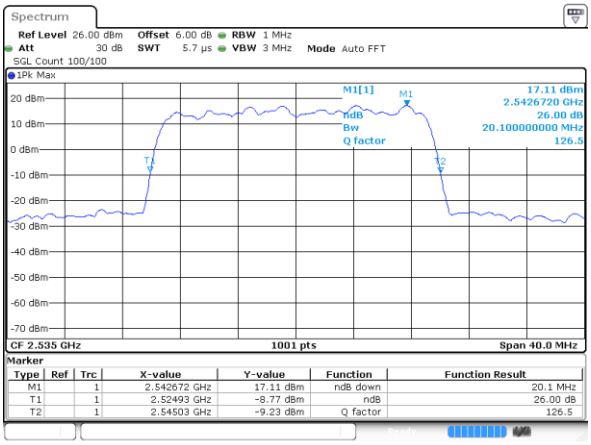
Lowest Channel / 20MHz / 64QAM



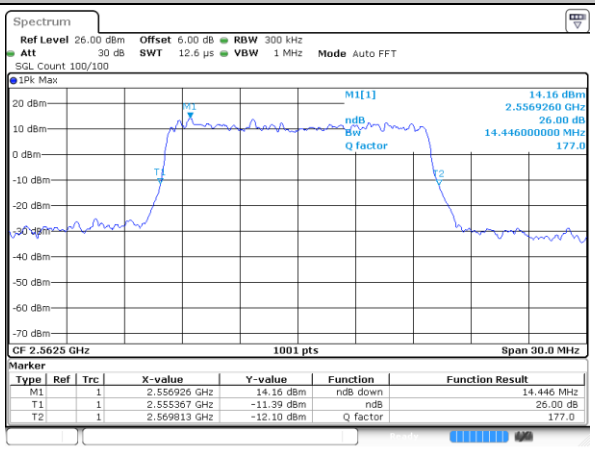
Middle Channel / 15MHz / 64QAM



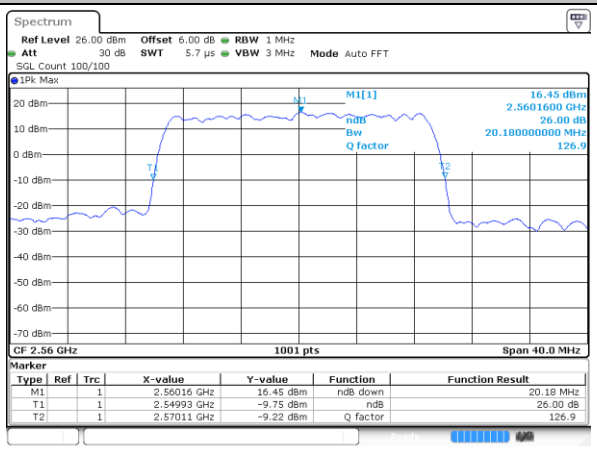
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



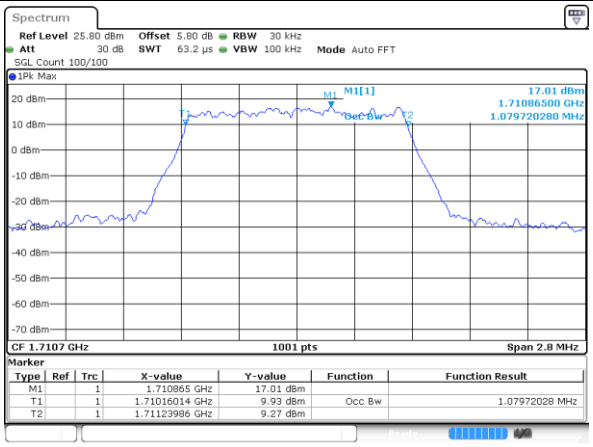
Occupied Bandwidth

Mode	LTE Band 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	1.08	1.09	2.69	2.71	4.50	4.50	9.09	9.01	13.52	13.46	18.34	18.34
Middle CH	1.09	1.09	2.71	2.70	4.51	4.51	9.03	9.05	13.37	13.52	18.26	18.34
Highest CH	1.09	1.09	2.73	2.72	4.50	4.48	9.03	9.03	13.46	13.43	18.42	18.22
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.72		4.52		9.07		13.46		18.38	
Middle CH	1.10		2.71		4.50		9.03		13.46		18.30	
Highest CH	1.09		2.70		4.47		9.03		13.43		18.38	

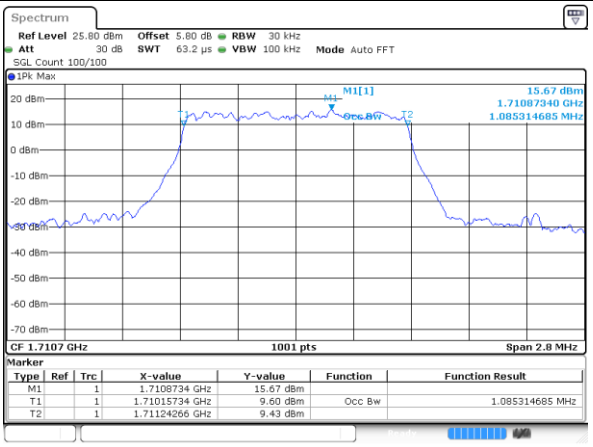
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.53	4.51	9.03	9.07	13.46	13.49	18.50	18.38
Middle CH	-	-	-	-	4.49	4.51	9.03	8.99	13.49	13.49	18.30	18.38
Highest CH	-	-	-	-	4.49	4.51	9.11	9.07	13.43	13.46	18.42	18.26
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.51		9.07		13.49		18.22	
Middle CH					4.51		9.05		13.46		18.38	
Highest CH					4.49		9.03		13.40		18.38	

LTE Band 4

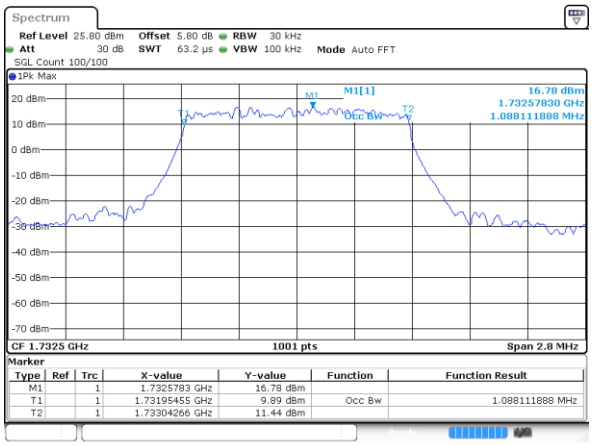
Lowest Channel / 1.4MHz / QPSK



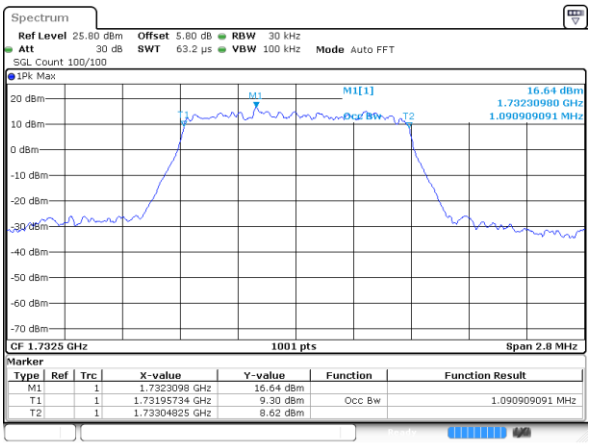
Lowest Channel / 1.4MHz / 16QAM



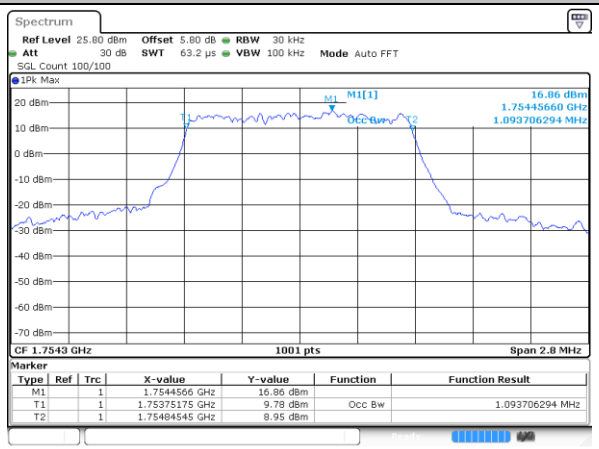
Middle Channel / 1.4MHz / QPSK



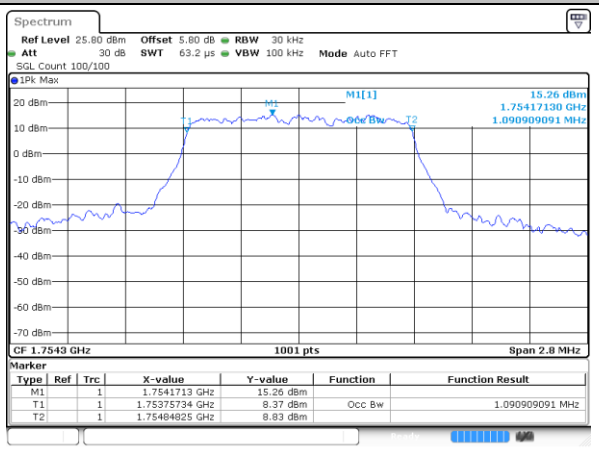
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

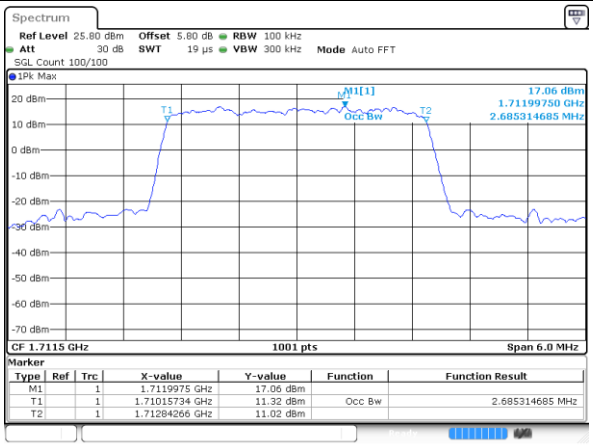


Highest Channel / 1.4MHz / 16QAM

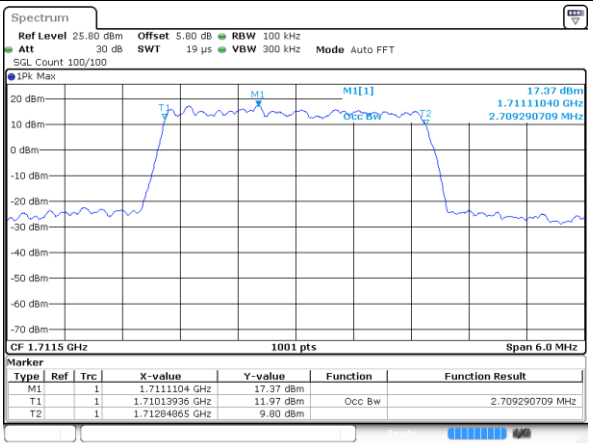


LTE Band 4

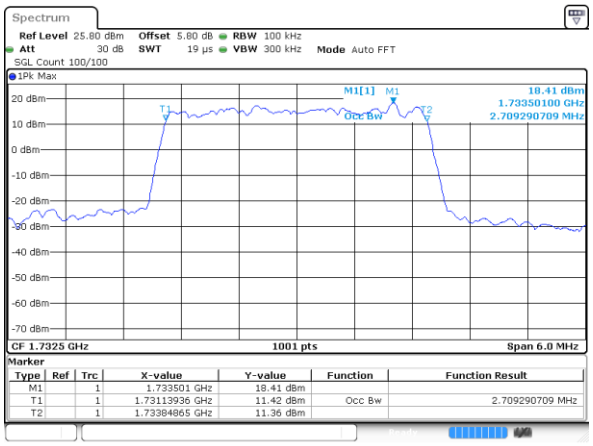
Lowest Channel / 3MHz / QPSK



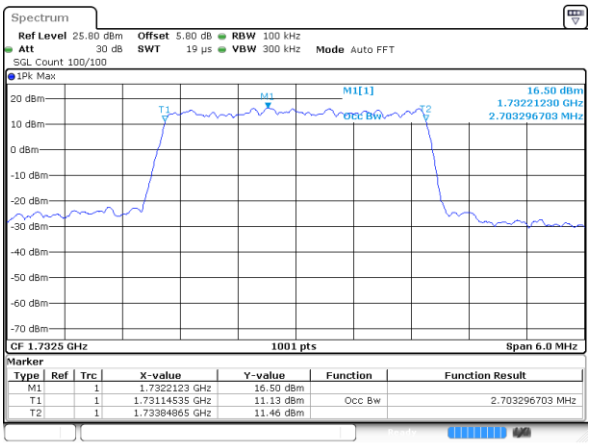
Lowest Channel / 3MHz / 16QAM



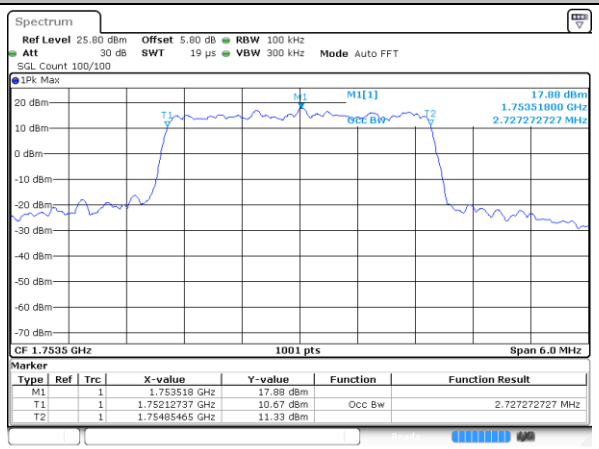
Middle Channel / 3MHz / QPSK



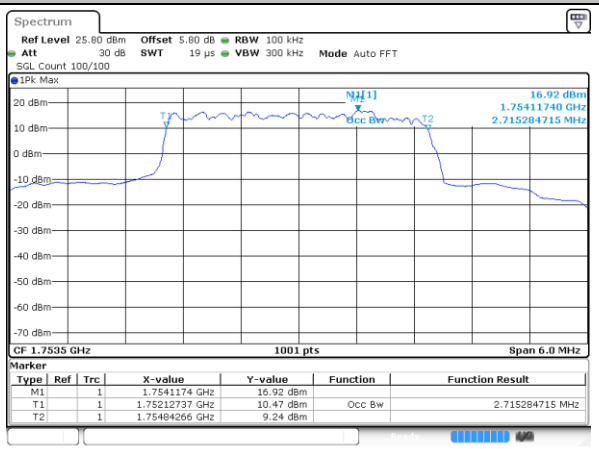
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

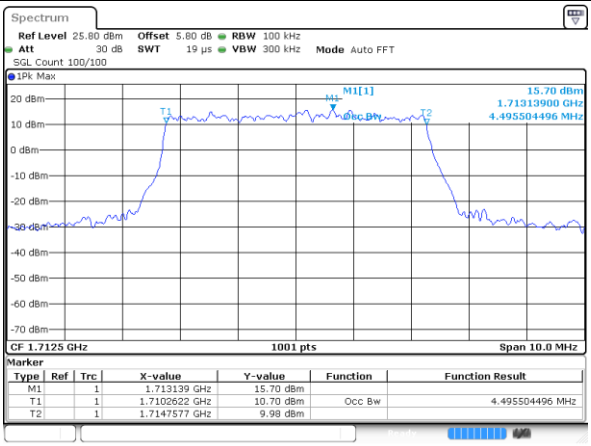


Highest Channel / 3MHz / 16QAM

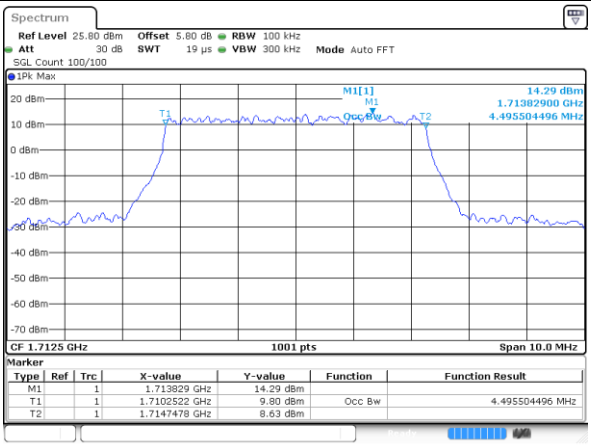


LTE Band 4

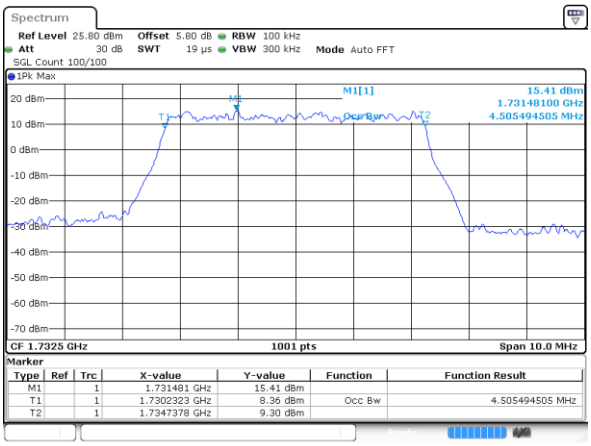
Lowest Channel / 5MHz / QPSK



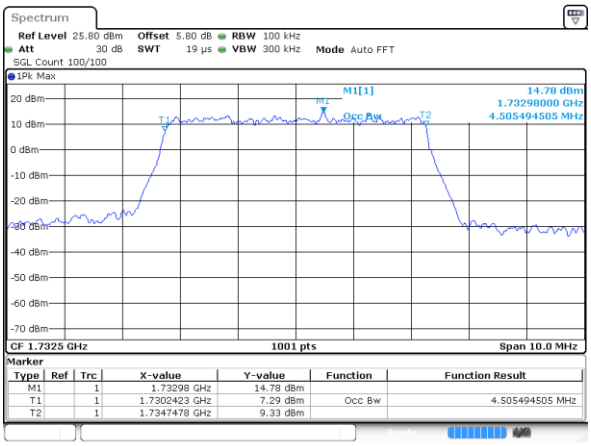
Lowest Channel / 5MHz / 16QAM



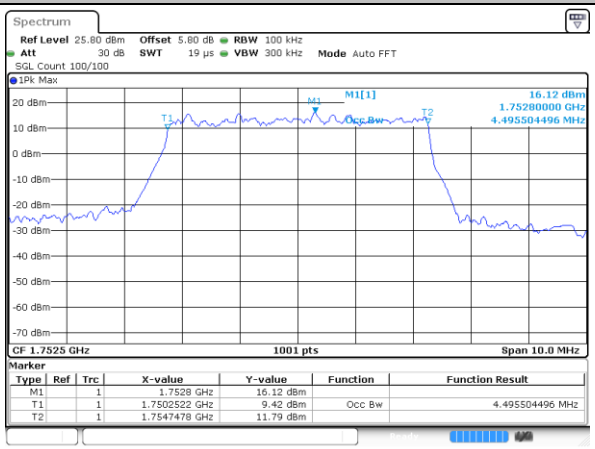
Middle Channel / 5MHz / QPSK



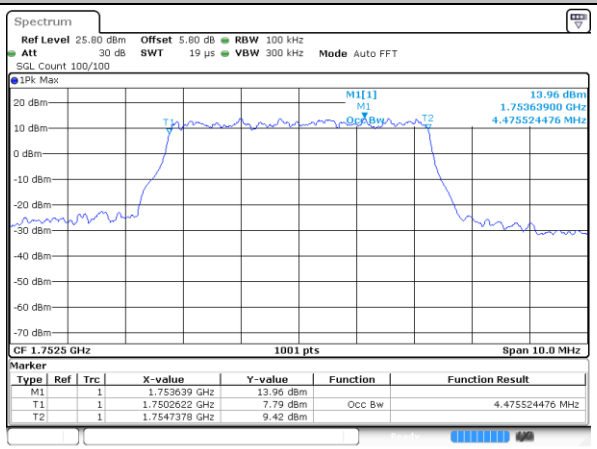
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

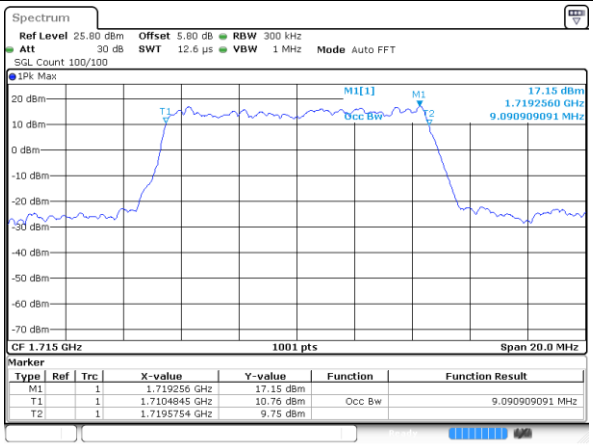


Highest Channel / 5MHz / 16QAM

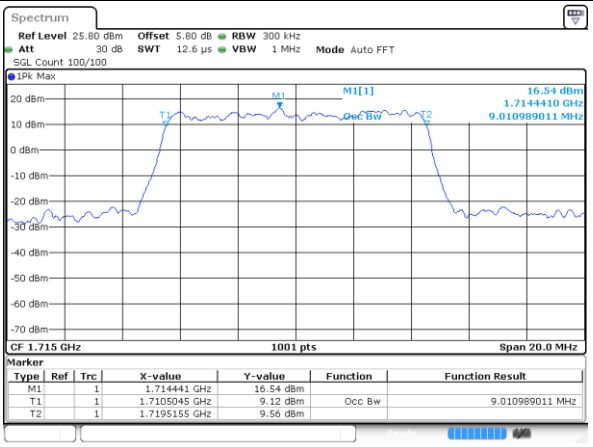


LTE Band 4

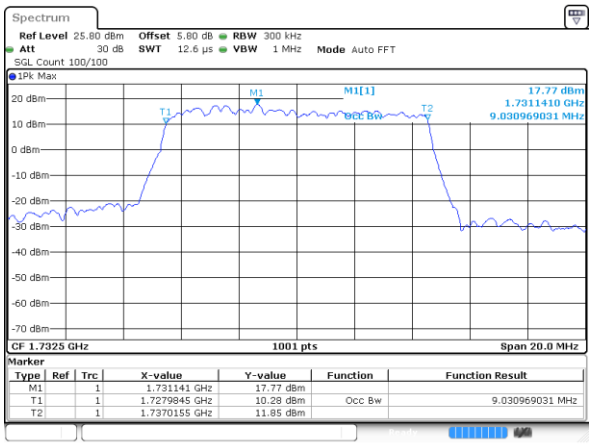
Lowest Channel / 10MHz / QPSK



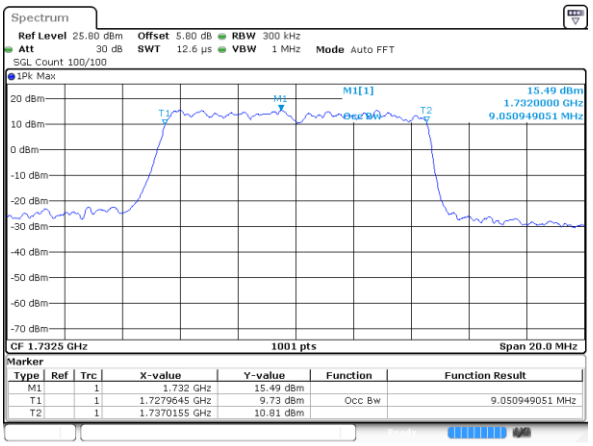
Lowest Channel / 10MHz / 16QAM



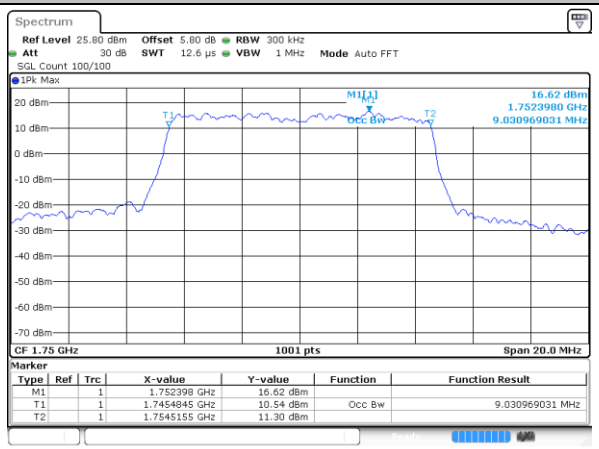
Middle Channel / 10MHz / QPSK



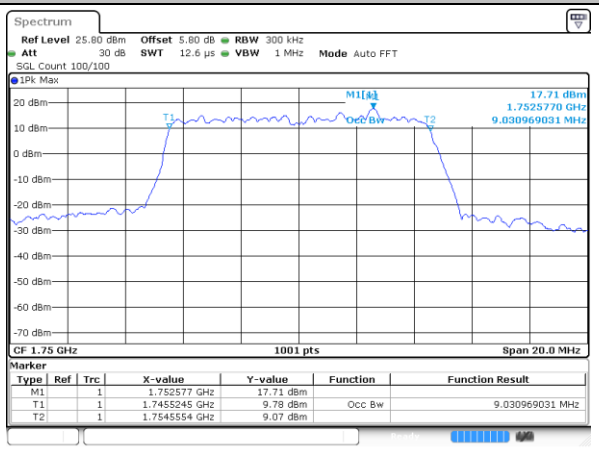
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

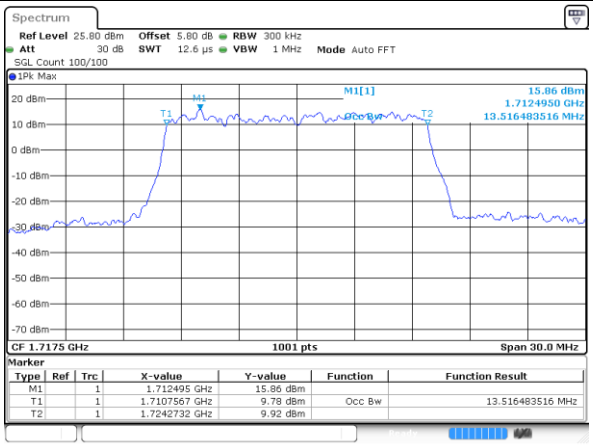


Highest Channel / 10MHz / 16QAM

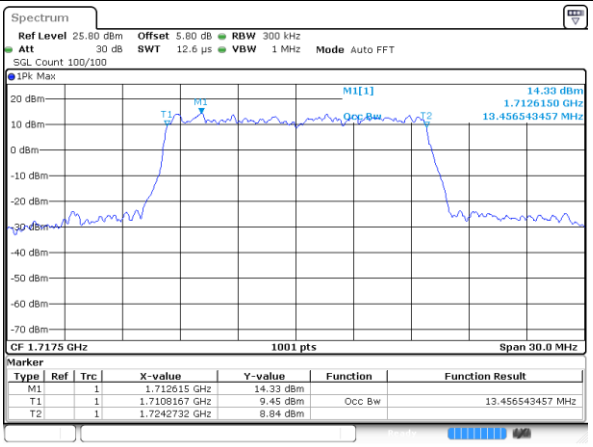


LTE Band 4

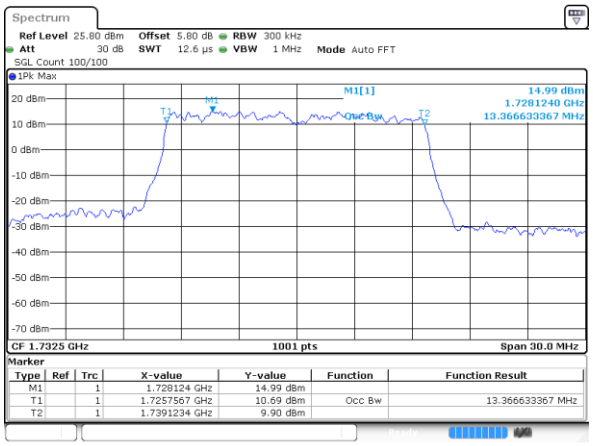
Lowest Channel / 15MHz / QPSK



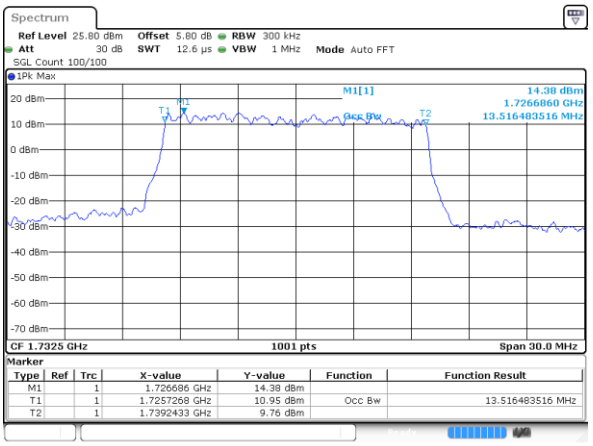
Lowest Channel / 15MHz / 16QAM



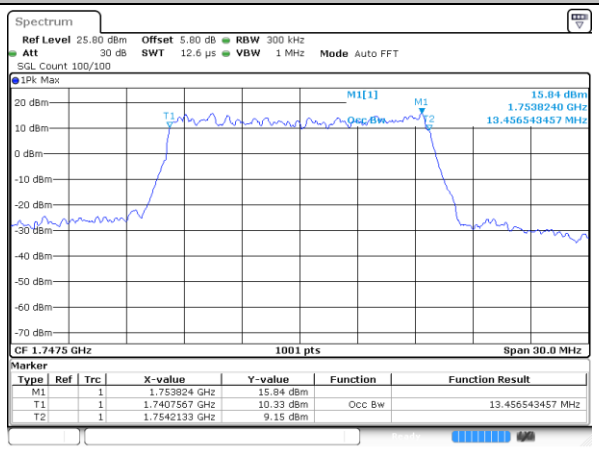
Middle Channel / 15MHz / QPSK



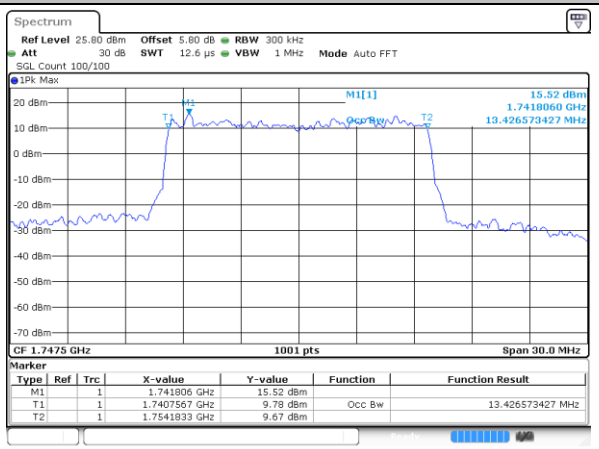
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

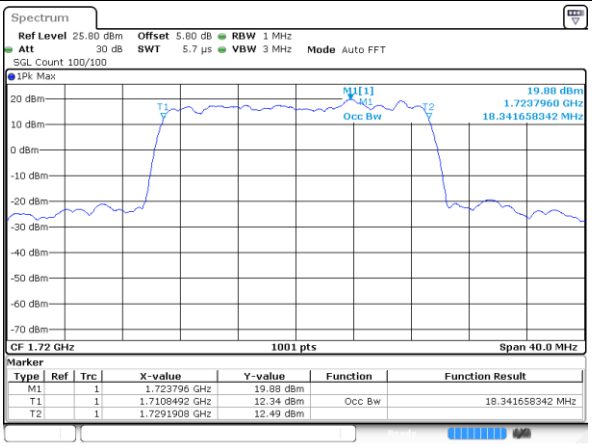


Highest Channel / 15MHz / 16QAM



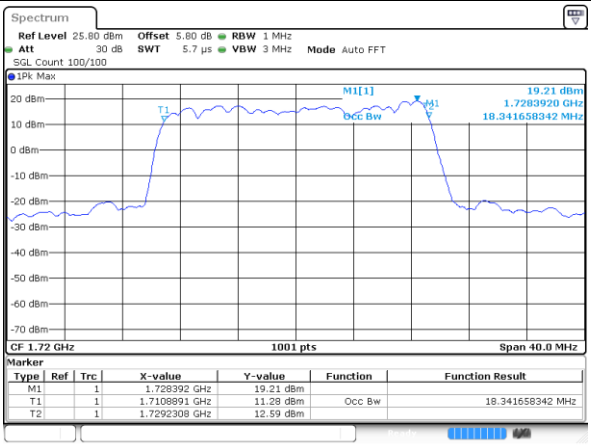
LTE Band 4

Lowest Channel / 20MHz / QPSK



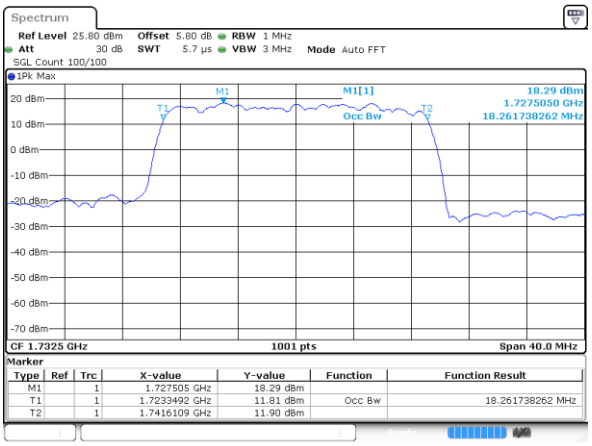
Date: 5.AUG.2019 05:53:54

Lowest Channel / 20MHz / 16QAM



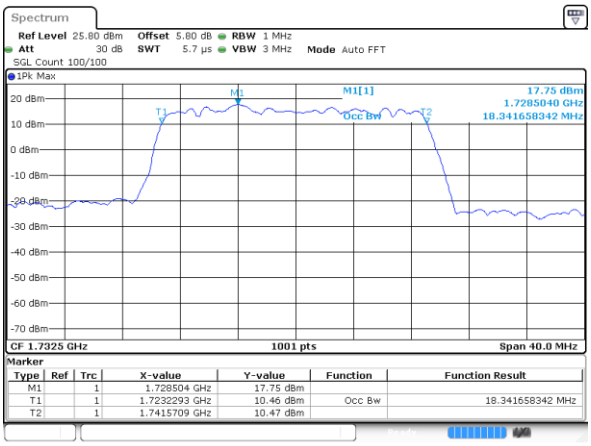
Date: 5.AUG.2019 05:54:04

Middle Channel / 20MHz / QPSK



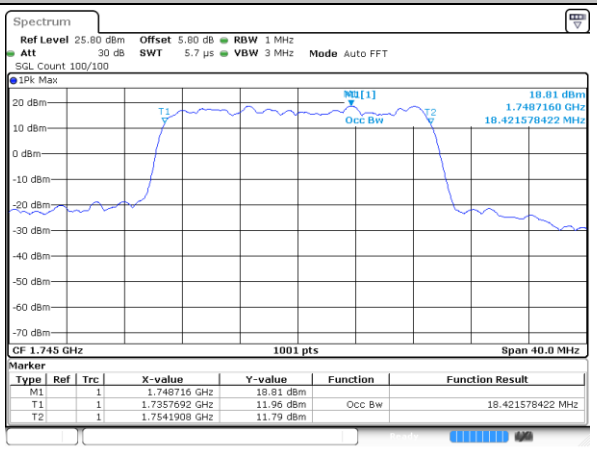
Date: 5.AUG.2019 06:00:54

Middle Channel / 20MHz / 16QAM



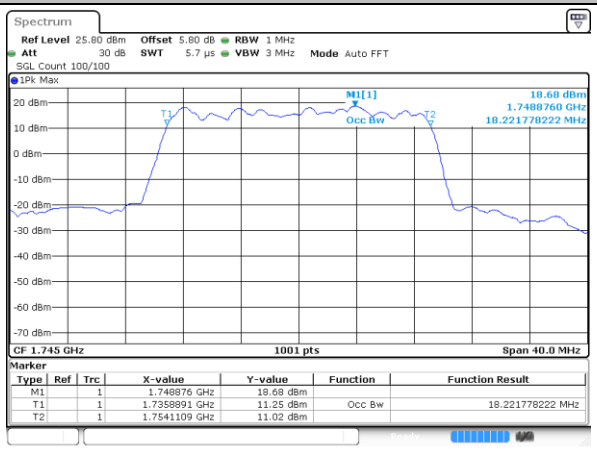
Date: 5.AUG.2019 06:01:04

Highest Channel / 20MHz / QPSK



Date: 5.AUG.2019 06:03:24

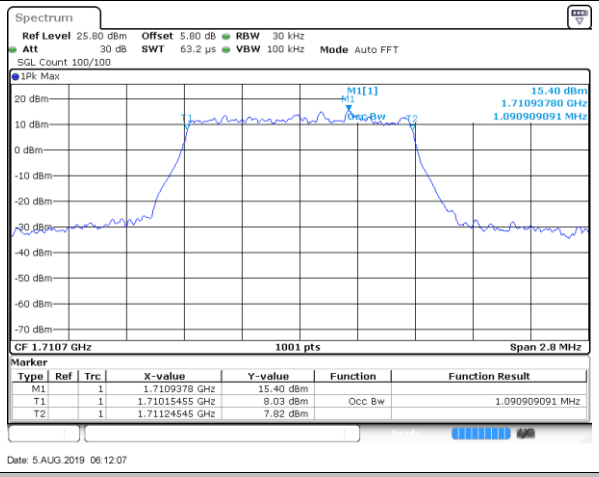
Highest Channel / 20MHz / 16QAM



Date: 5.AUG.2019 06:03:34

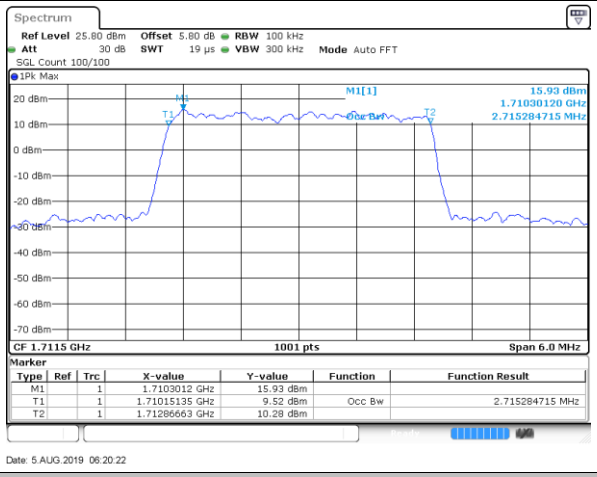
LTE Band 4

Lowest Channel / 1.4MHz / 64QAM



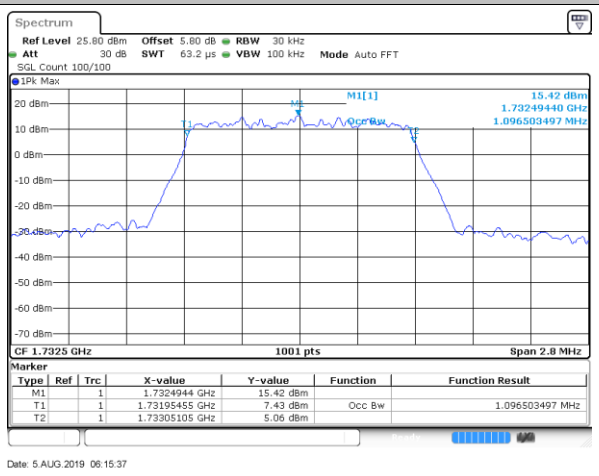
Date: 5.AUG.2019 06:12:07

Lowest Channel / 3MHz / 64QAM



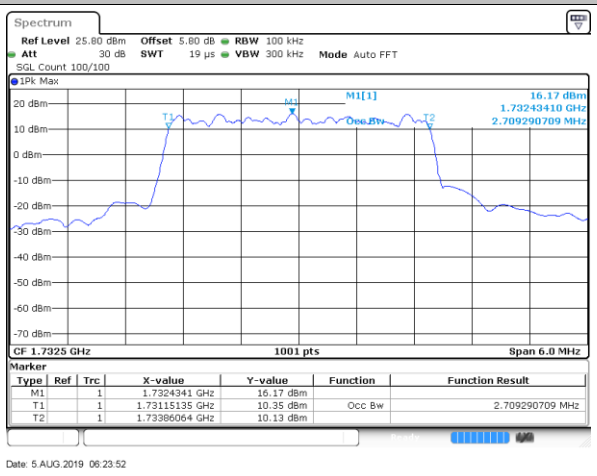
Date: 5.AUG.2019 06:20:22

Middle Channel / 1.4MHz / 64QAM



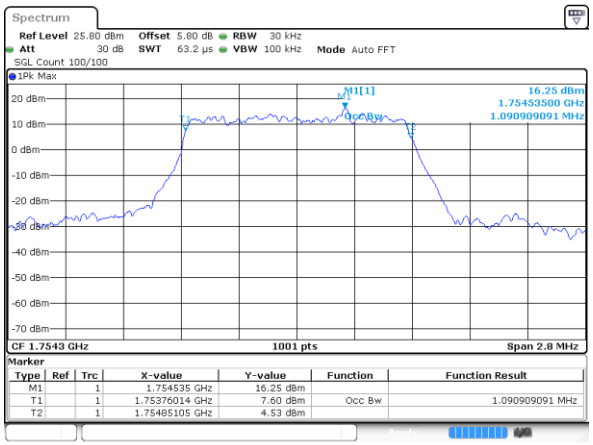
Date: 5.AUG.2019 06:15:37

Middle Channel / 3MHz / 64QAM



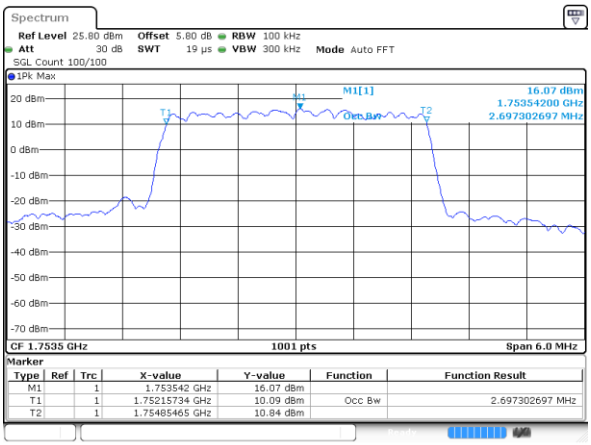
Date: 5.AUG.2019 06:23:52

Highest Channel / 1.4MHz / 64QAM



Date: 5.AUG.2019 06:16:52

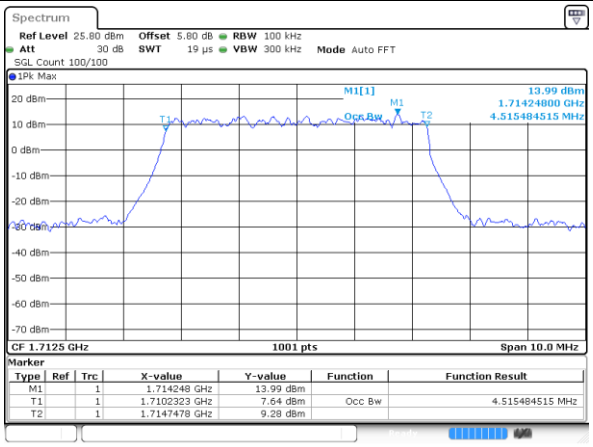
Highest Channel / 3MHz / 64QAM



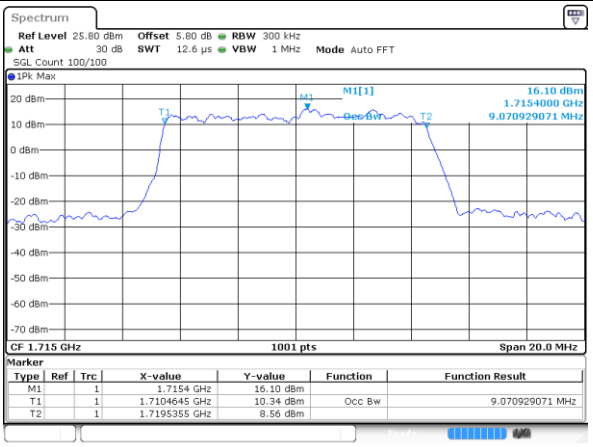
Date: 5.AUG.2019 06:25:07

LTE Band 4

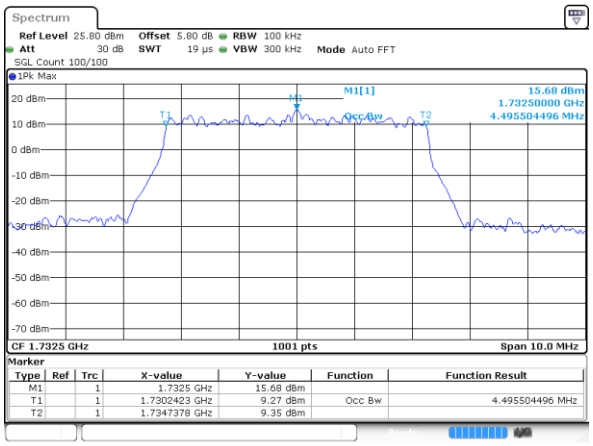
Lowest Channel / 5MHz / 64QAM



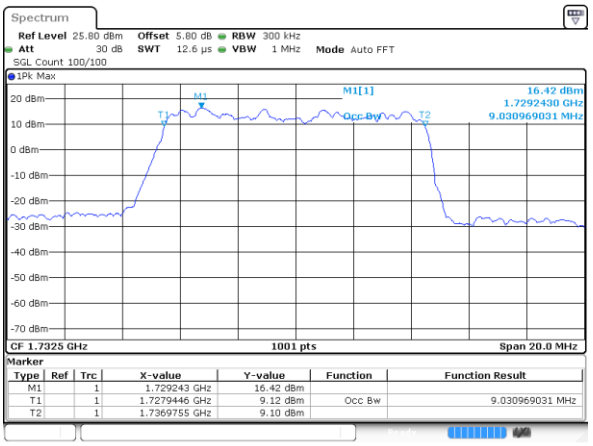
Lowest Channel / 10MHz / 64QAM



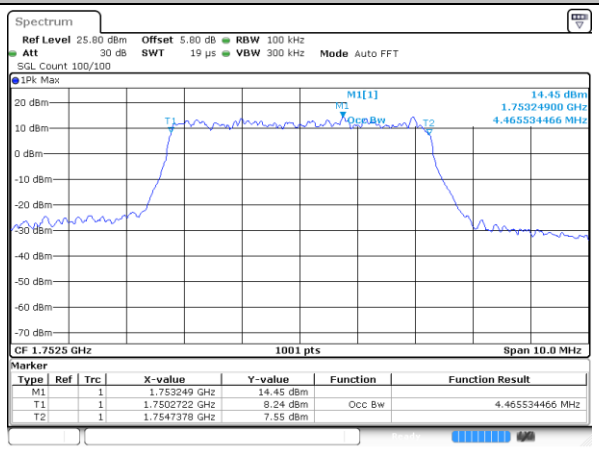
Middle Channel / 5MHz / 64QAM



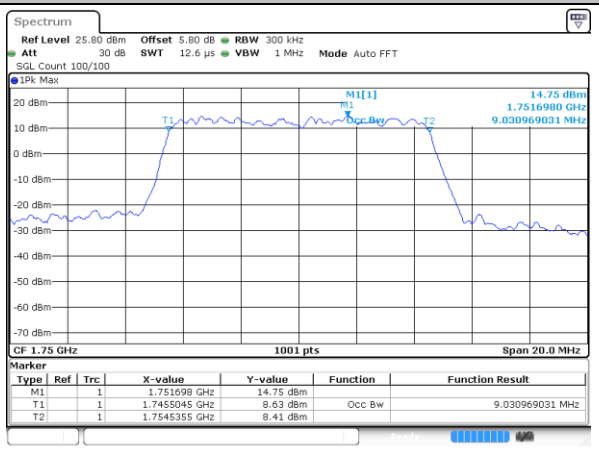
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

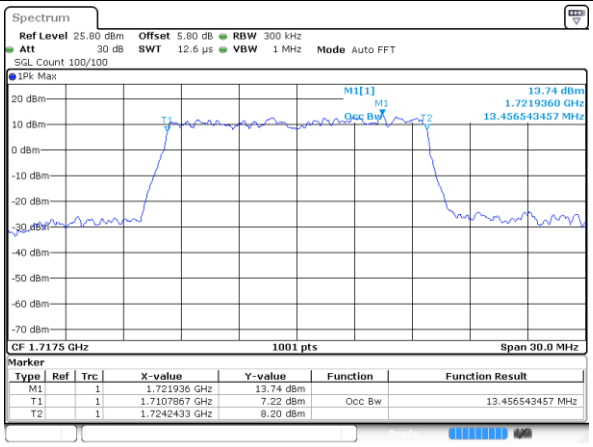


Highest Channel / 10MHz / 64QAM



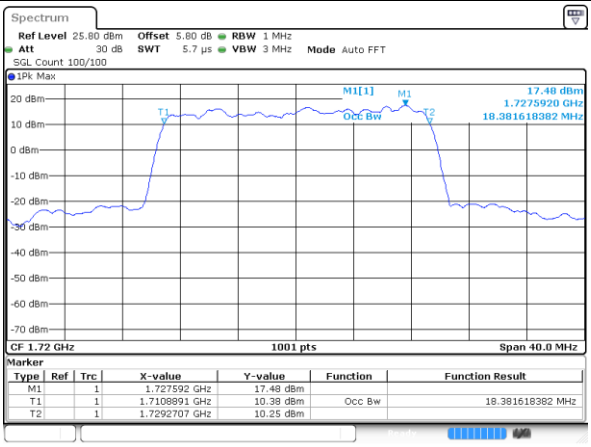
LTE Band 4

Lowest Channel / 15MHz / 64QAM



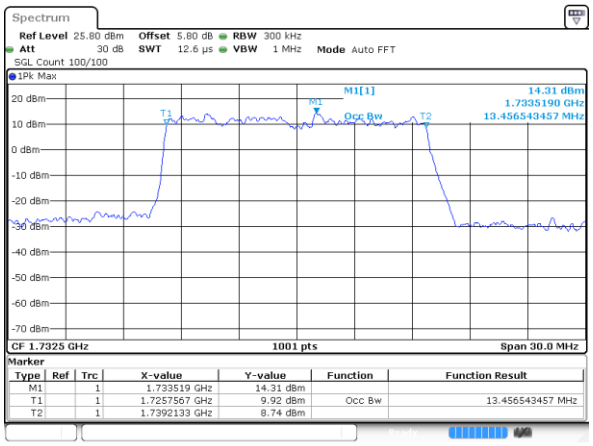
Date: 5.AUG.2019 06:45:07

Lowest Channel / 20MHz / 64QAM



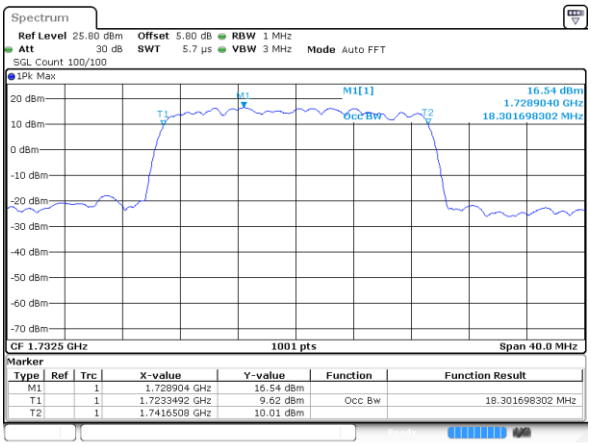
Date: 5.AUG.2019 06:53:22

Middle Channel / 15MHz / 64QAM



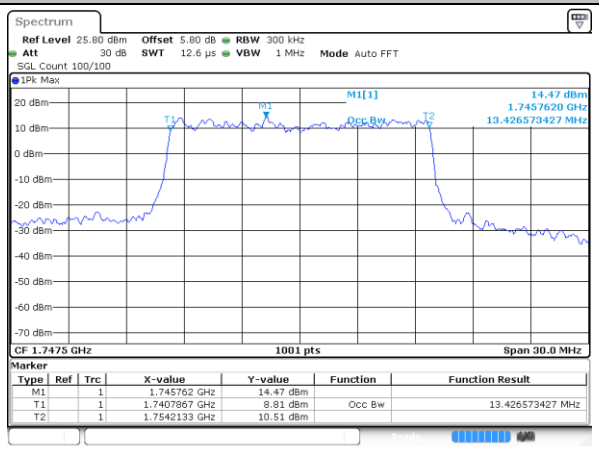
Date: 5.AUG.2019 06:48:38

Middle Channel / 20MHz / 64QAM



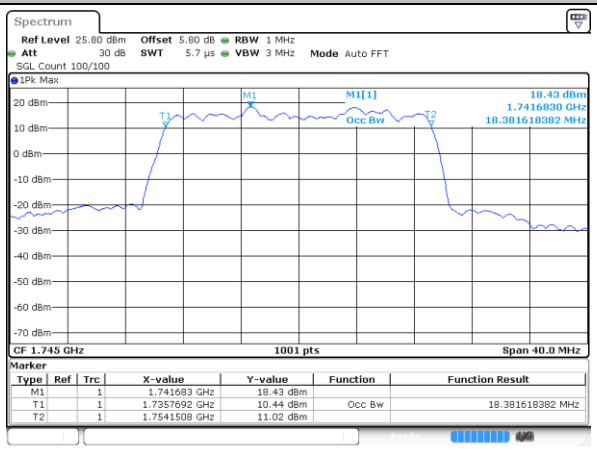
Date: 5.AUG.2019 06:56:53

Highest Channel / 15MHz / 64QAM



Date: 5.AUG.2019 06:49:52

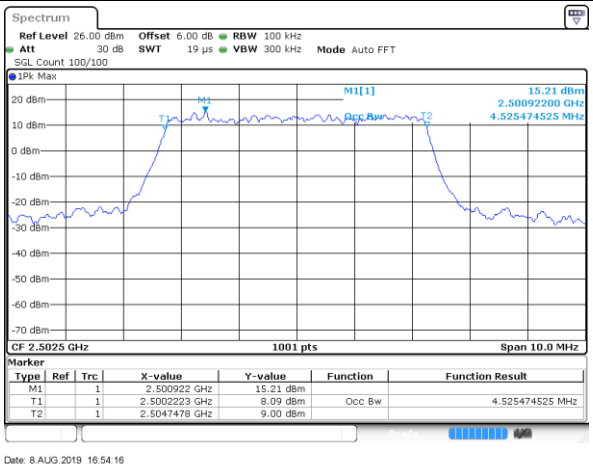
Highest Channel / 20MHz / 64QAM



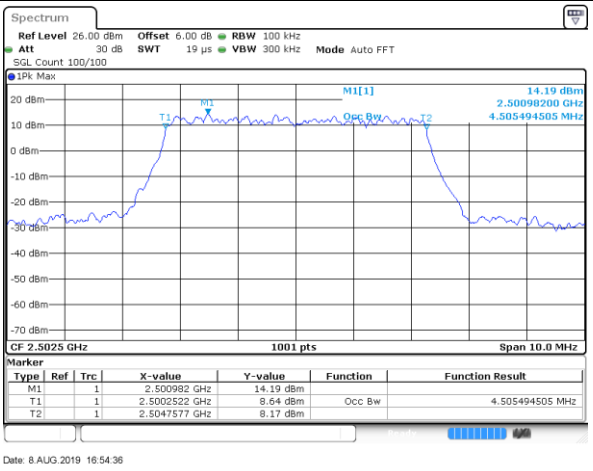
Date: 5.AUG.2019 06:58:08

LTE Band 7

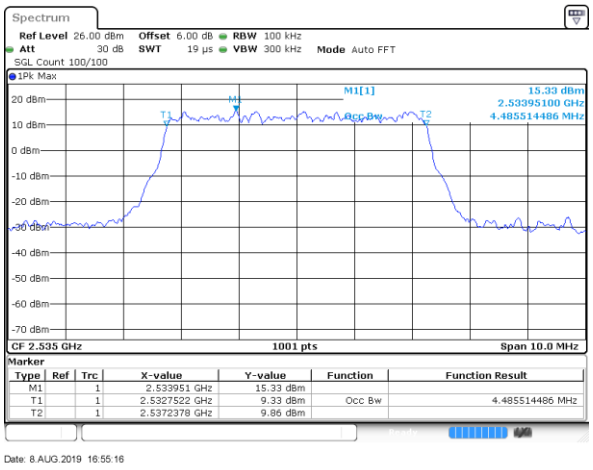
Lowest Channel / 5MHz / QPSK



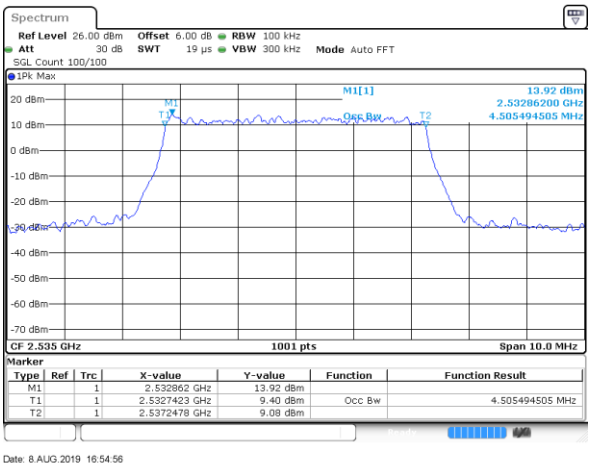
Lowest Channel / 5MHz / 16QAM



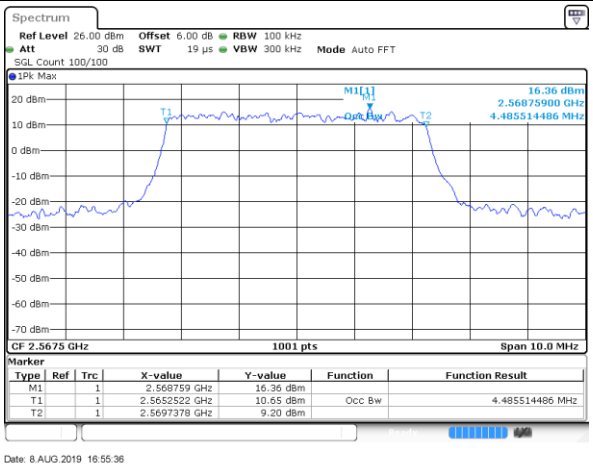
Middle Channel / 5MHz / QPSK



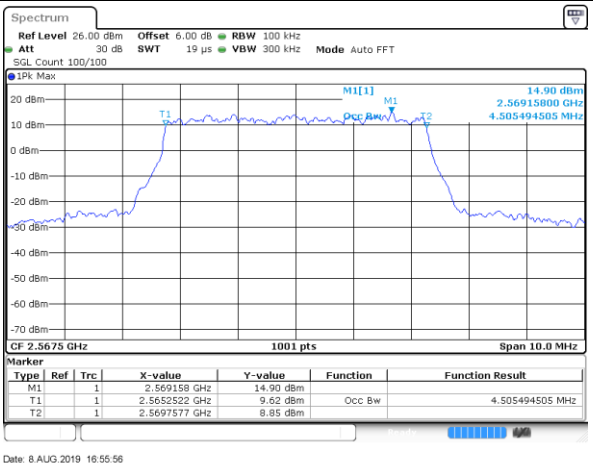
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

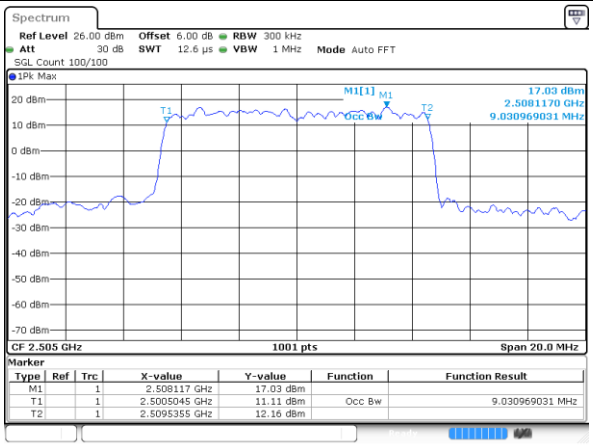


Highest Channel / 5MHz / 16QAM

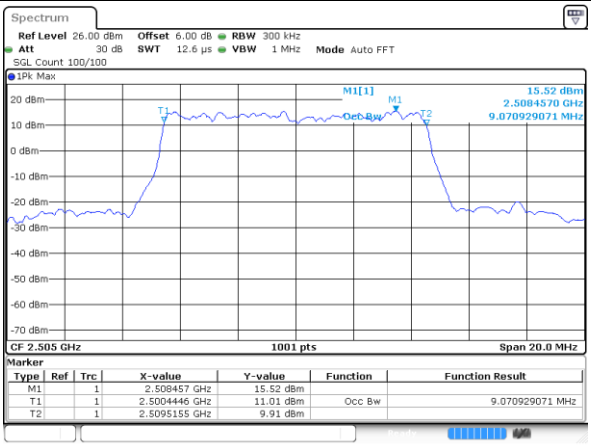


LTE Band 7

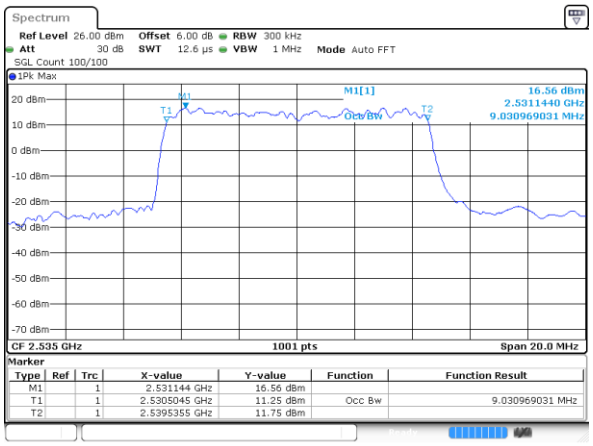
Lowest Channel / 10MHz / QPSK



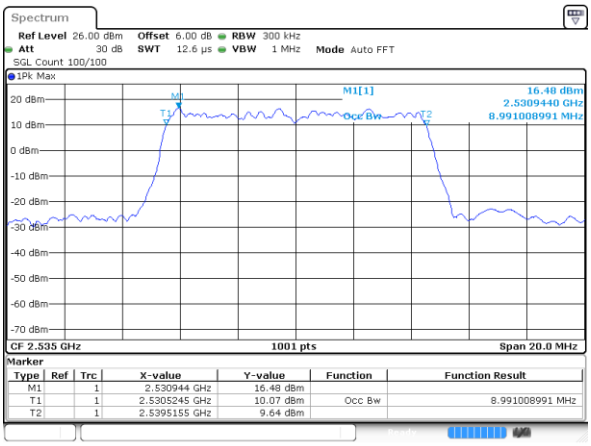
Lowest Channel / 10MHz / 16QAM



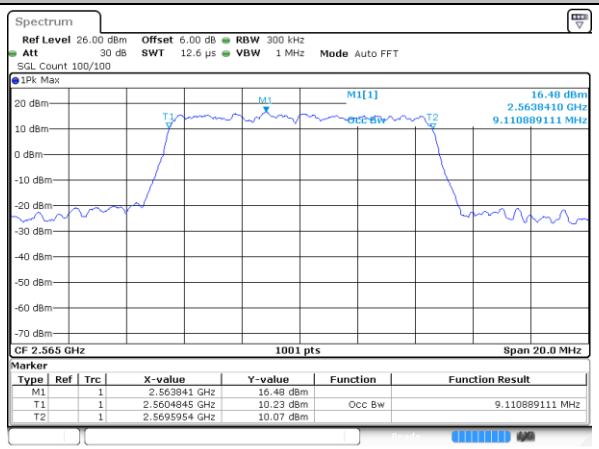
Middle Channel / 10MHz / QPSK



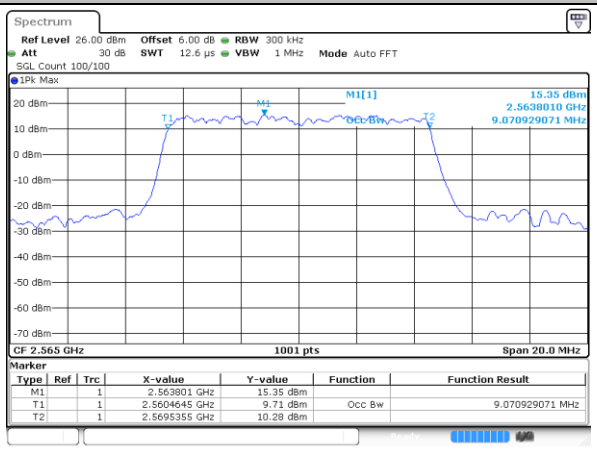
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

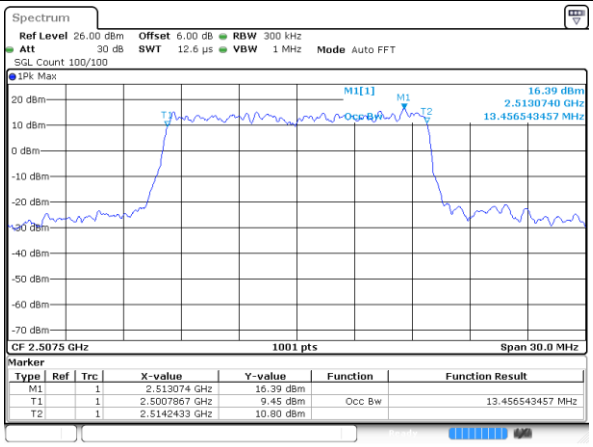


Highest Channel / 10MHz / 16QAM

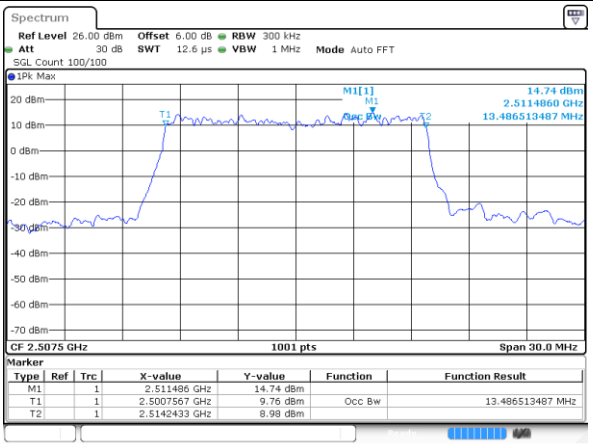


LTE Band 7

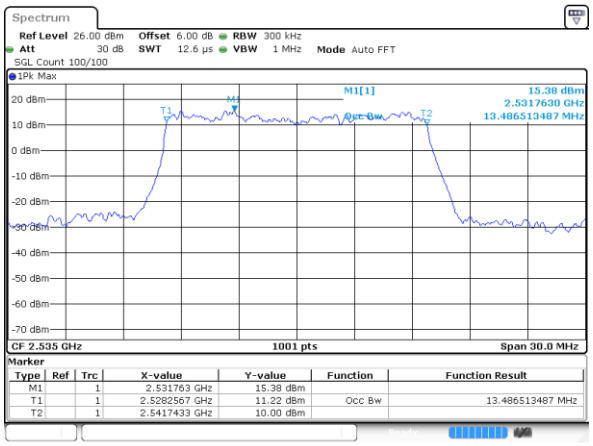
Lowest Channel / 15MHz / QPSK



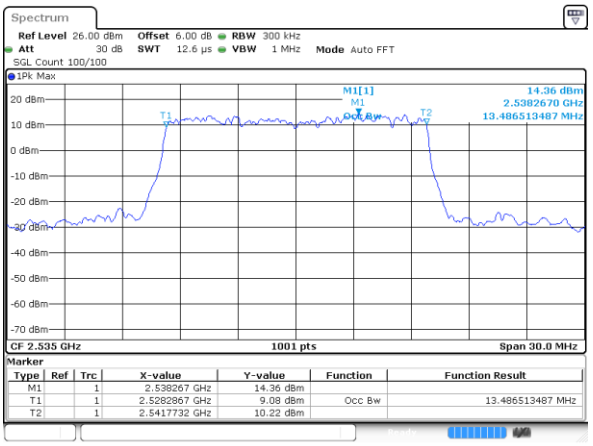
Lowest Channel / 15MHz / 16QAM



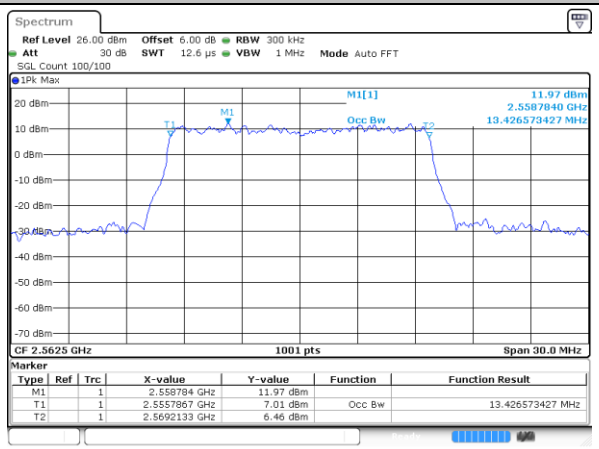
Middle Channel / 15MHz / QPSK



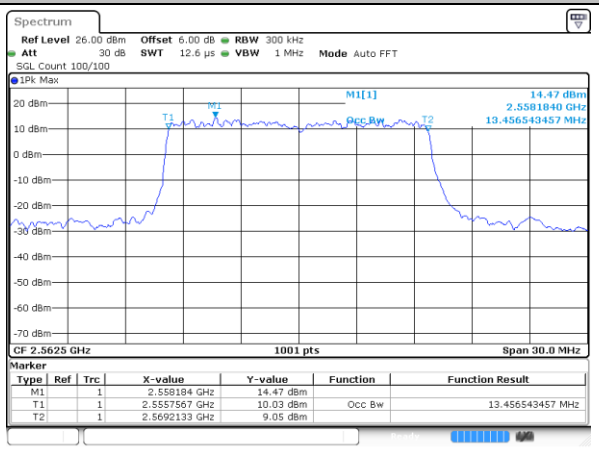
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

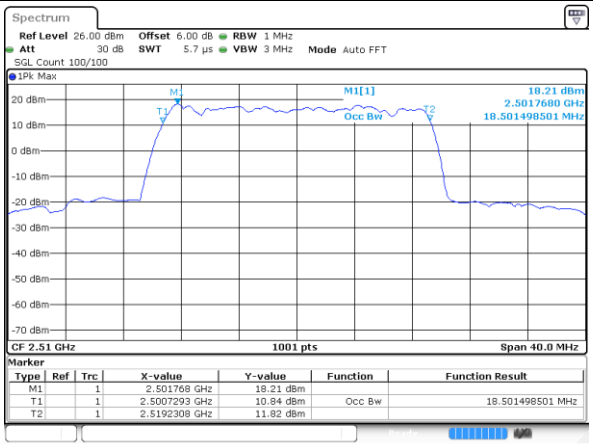


Highest Channel / 15MHz / 16QAM



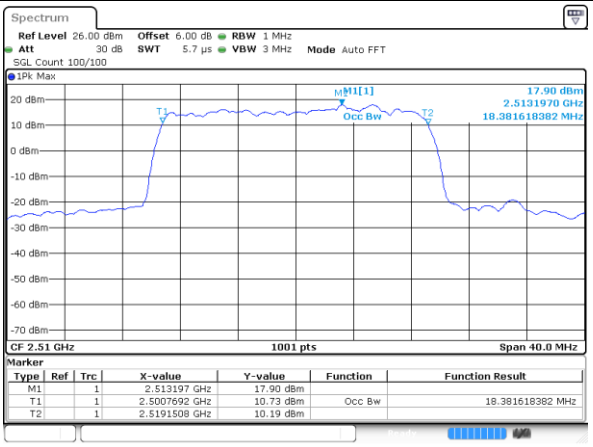
LTE Band 7

Lowest Channel / 20MHz / QPSK



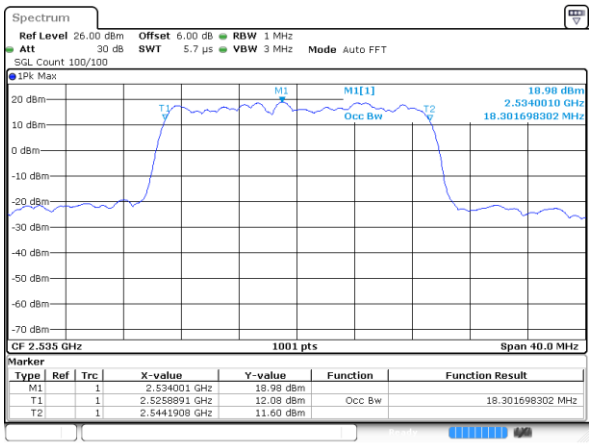
Date: 8.AUG.2019 17:16:42

Lowest Channel / 20MHz / 16QAM



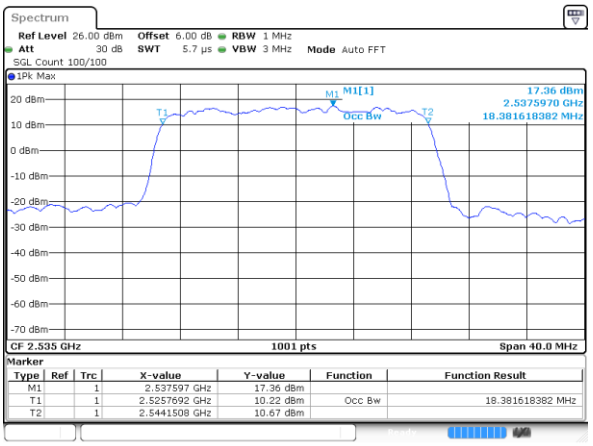
Date: 8.AUG.2019 17:16:22

Middle Channel / 20MHz / QPSK



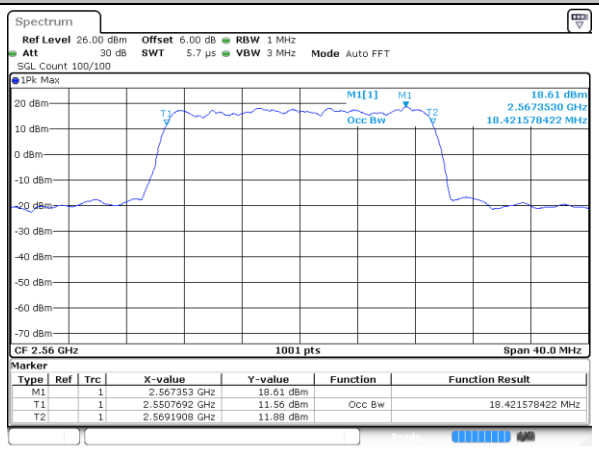
Date: 8.AUG.2019 17:17:01

Middle Channel / 20MHz / 16QAM



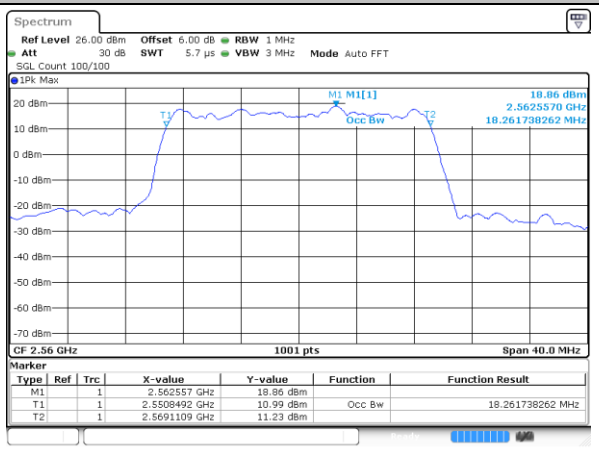
Date: 8.AUG.2019 17:17:21

Highest Channel / 20MHz / QPSK



Date: 8.AUG.2019 17:18:01

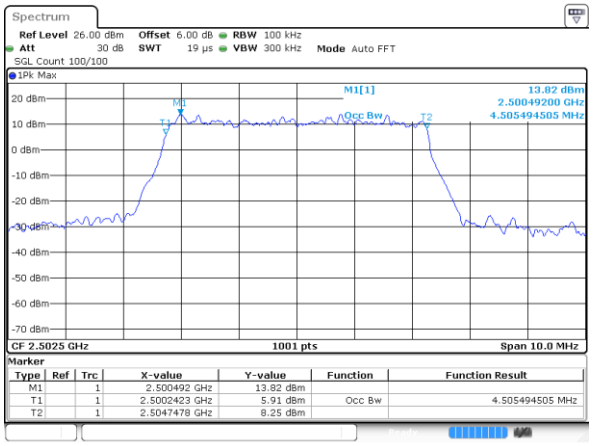
Highest Channel / 20MHz / 16QAM



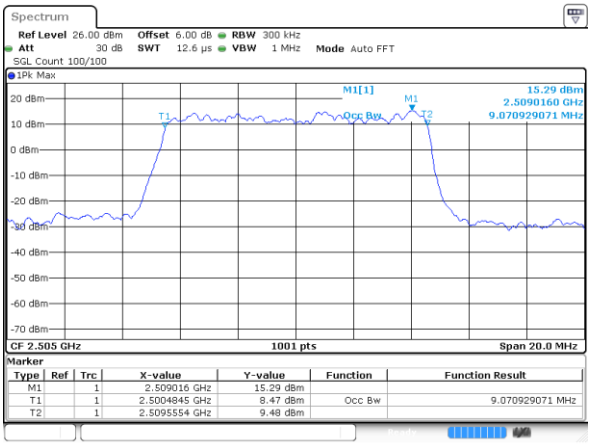
Date: 8.AUG.2019 17:17:41

LTE Band 7

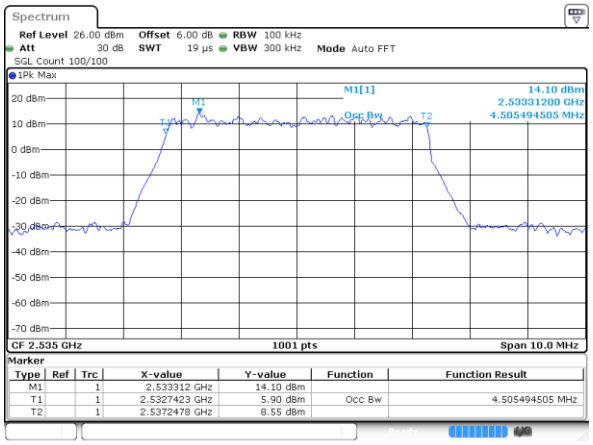
Lowest Channel / 5MHz / 64QAM



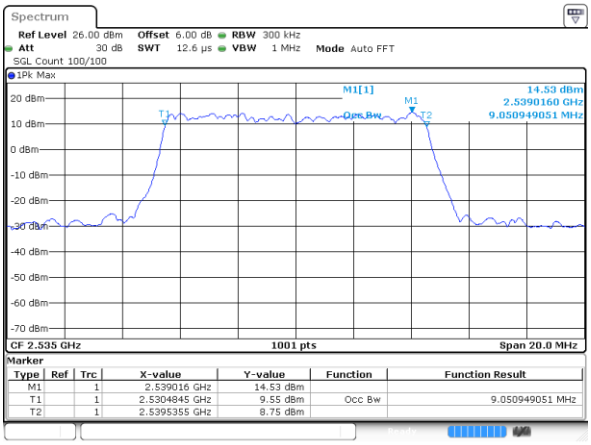
Lowest Channel / 10MHz / 64QAM



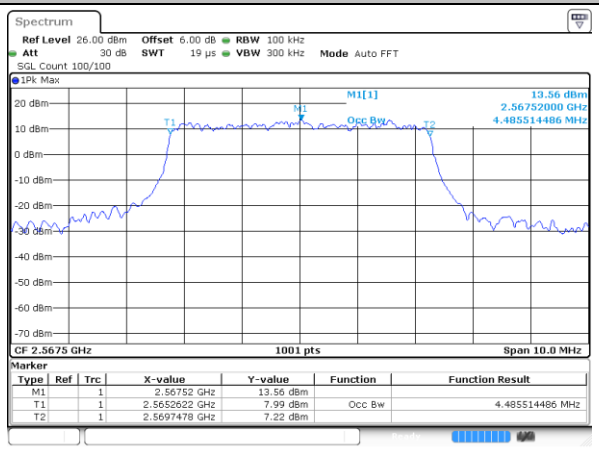
Middle Channel / 5MHz / 64QAM



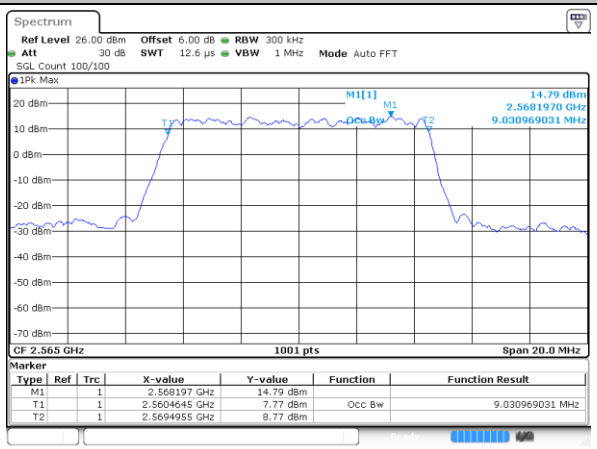
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

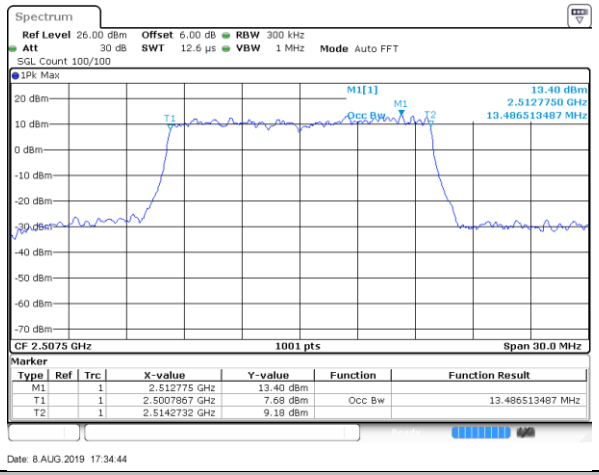


Highest Channel / 10MHz / 64QAM



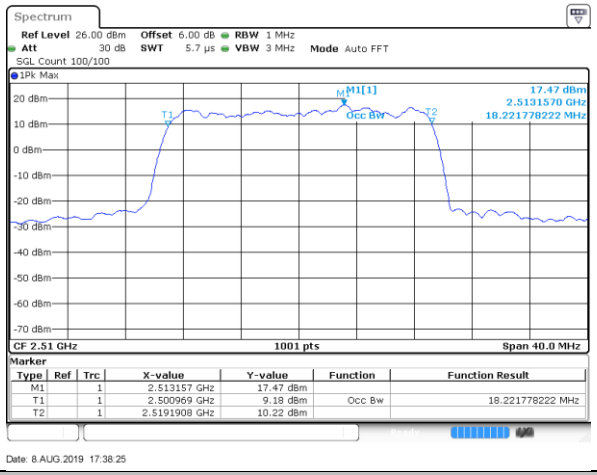
LTE Band 7

Lowest Channel / 15MHz / 64QAM



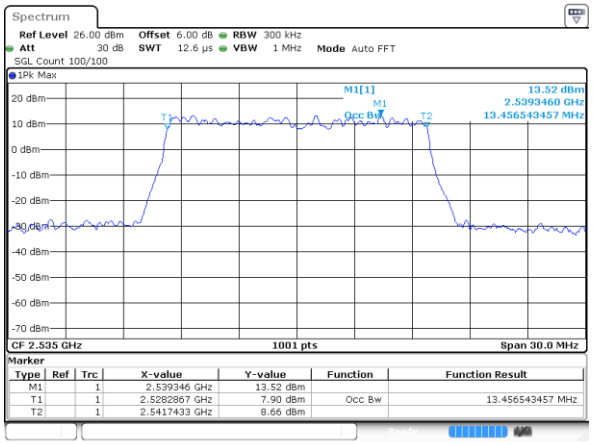
Date: 8.AUG.2019 17:34:44

Lowest Channel / 20MHz / 64QAM



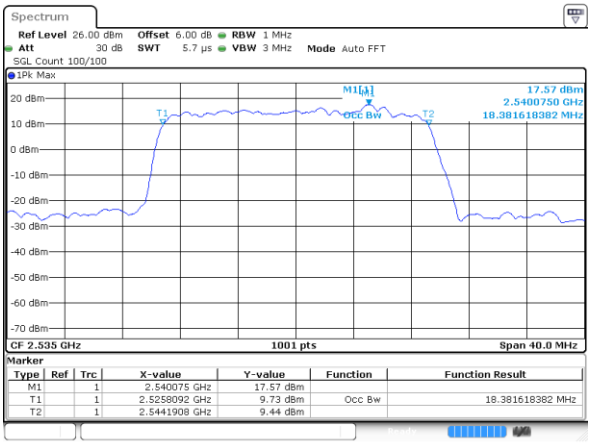
Date: 8.AUG.2019 17:38:25

Middle Channel / 15MHz / 64QAM



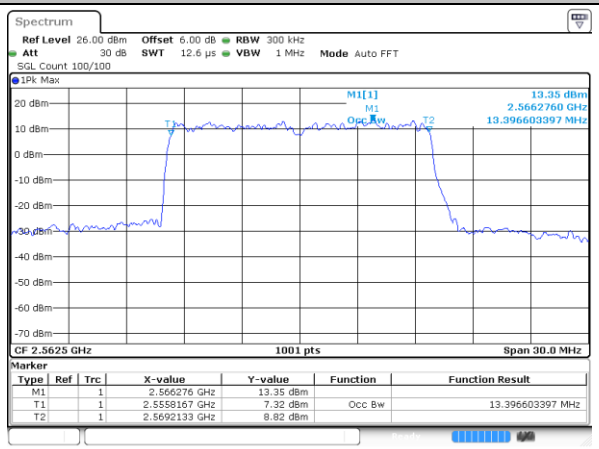
Date: 8.AUG.2019 17:34:54

Middle Channel / 20MHz / 64QAM



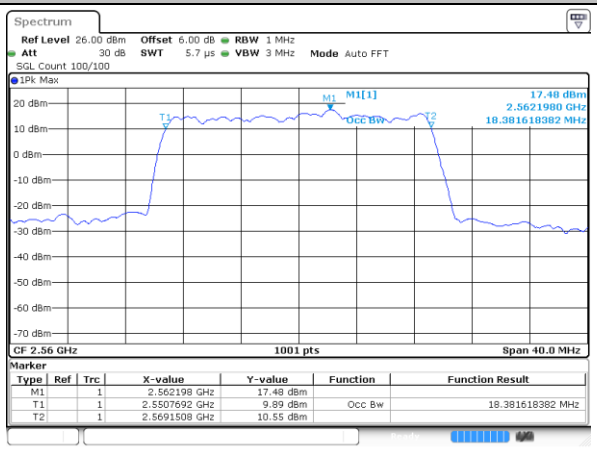
Date: 8.AUG.2019 17:38:35

Highest Channel / 15MHz / 64QAM



Date: 8.AUG.2019 17:35:04

Highest Channel / 20MHz / 64QAM

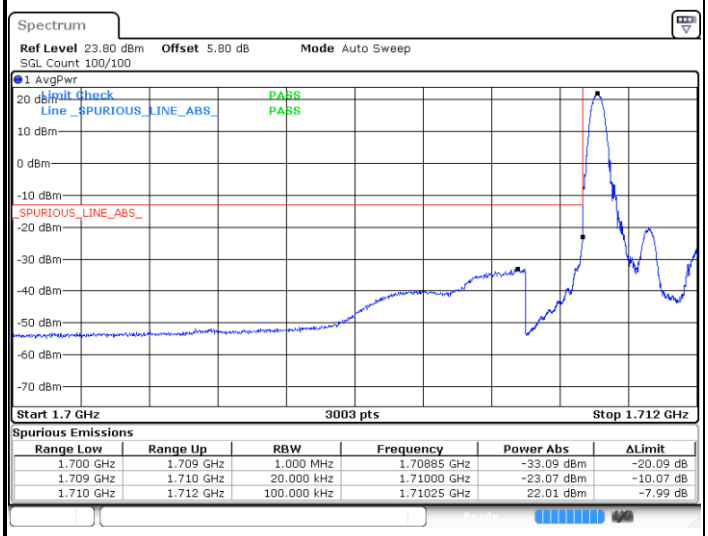


Date: 8.AUG.2019 17:38:45

Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

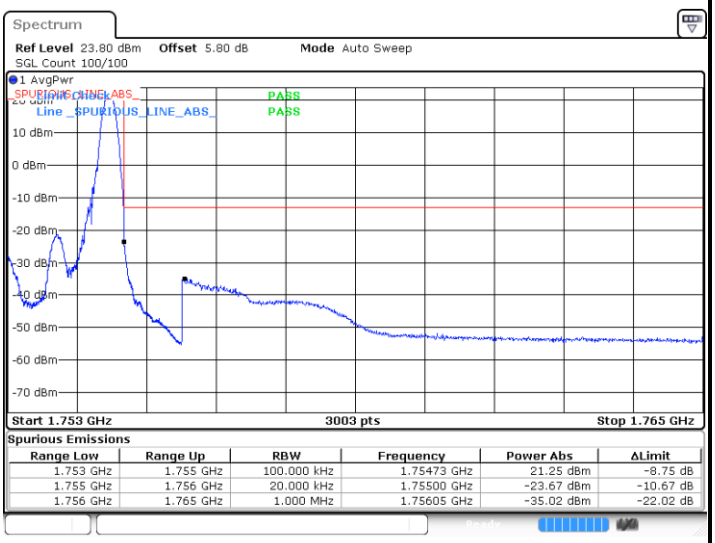


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70885 GHz	-33.09 dBm	-20.09 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-23.07 dBm	-10.07 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	22.01 dBm	-7.99 dB

Date: 5.AUG.2019 04:31:16

Highest Band Edge / 1RB

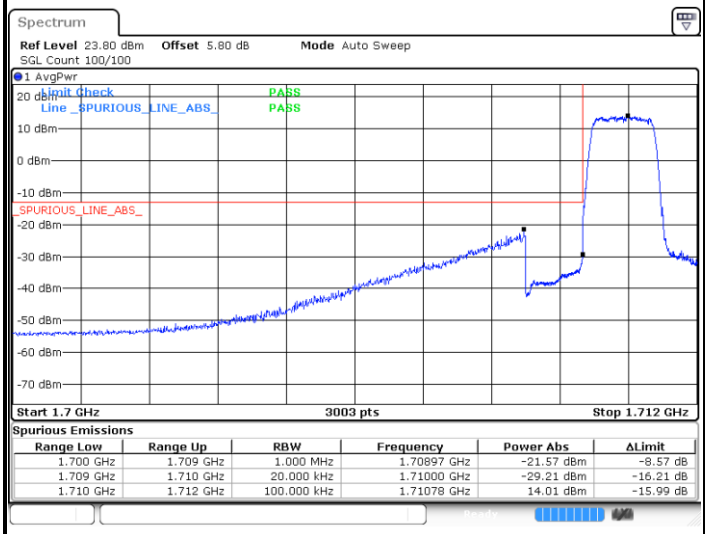


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	21.25 dBm	-8.75 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-23.67 dBm	-10.67 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-35.02 dBm	-22.02 dB

Date: 5.AUG.2019 04:42:33

Lowest Band Edge / Full RB

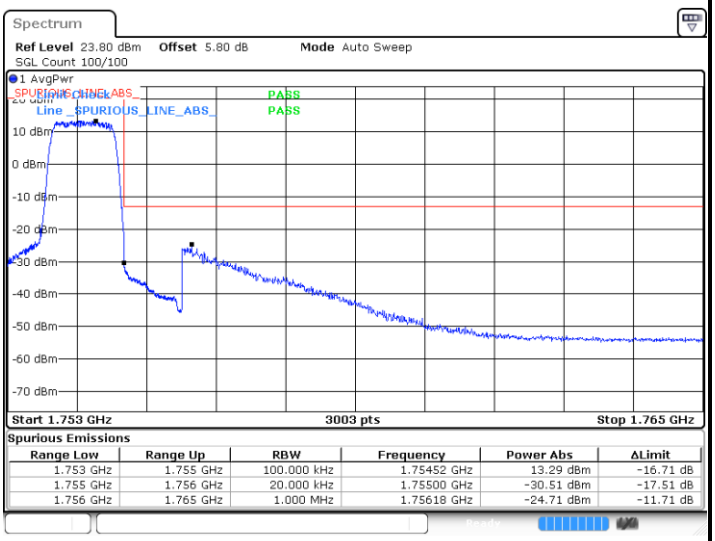


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-21.57 dBm	-8.57 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-29.21 dBm	-16.21 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71078 GHz	14.01 dBm	-15.99 dB

Date: 5.AUG.2019 04:33:32

Highest Band Edge / Full RB



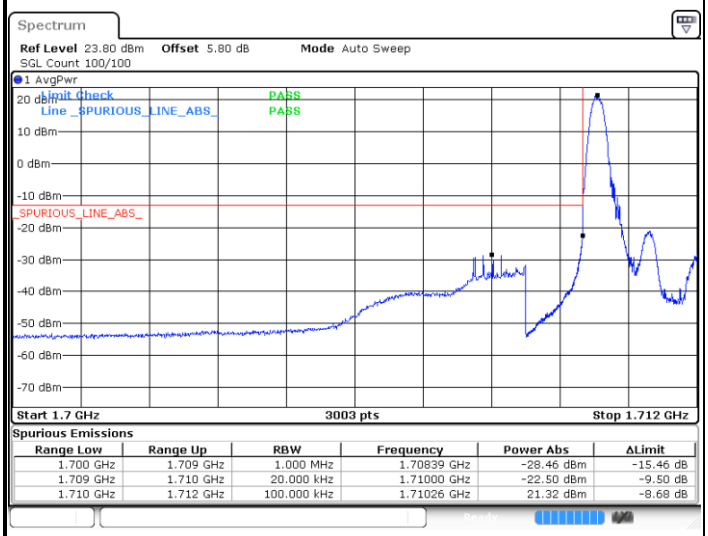
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75452 GHz	13.29 dBm	-16.71 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-30.51 dBm	-17.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75618 GHz	-24.71 dBm	-11.71 dB

Date: 5.AUG.2019 04:44:48

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

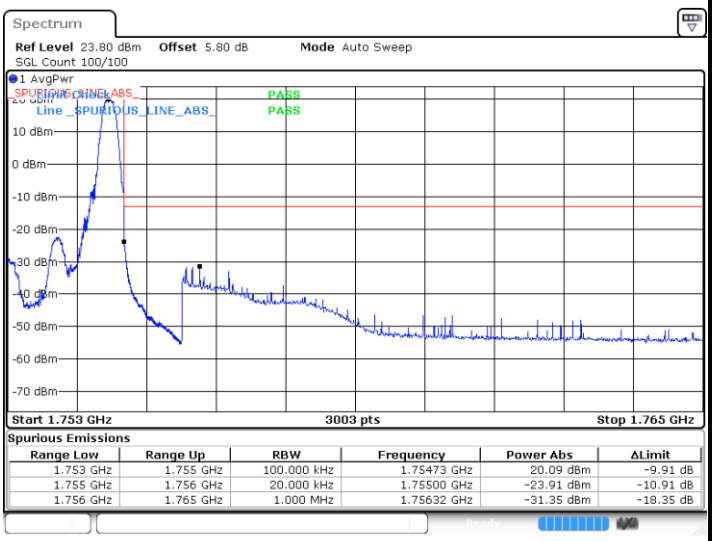


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70839 GHz	-28.46 dBm	-15.46 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.50 dBm	-9.50 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	21.32 dBm	-8.68 dB

Date: 5.AUG.2019 04:32:24

Highest Band Edge / 1 RB

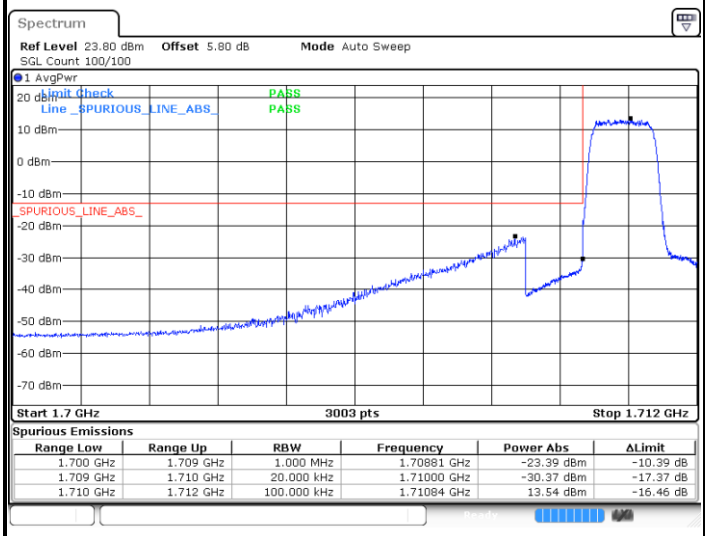


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	20.09 dBm	-9.91 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-23.91 dBm	-10.91 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75632 GHz	-31.35 dBm	-18.35 dB

Date: 5.AUG.2019 04:43:41

Lowest Band Edge / Full RB

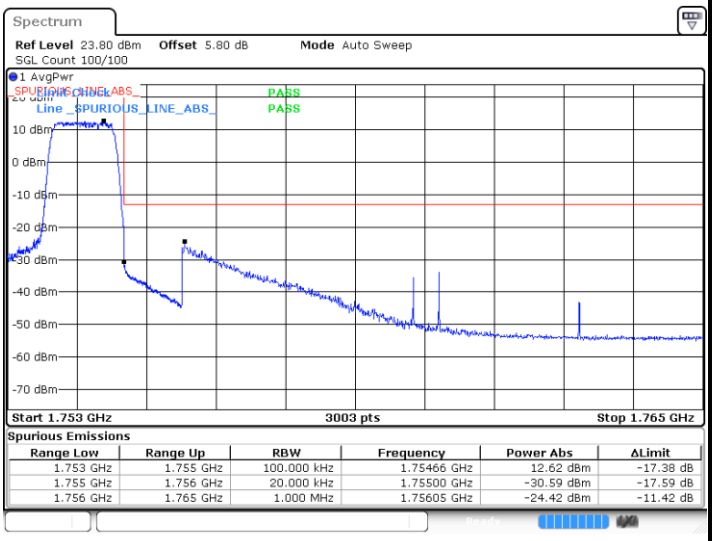


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70881 GHz	-23.39 dBm	-10.39 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.37 dBm	-17.37 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71084 GHz	13.54 dBm	-16.46 dB

Date: 5.AUG.2019 04:34:39

Highest Band Edge / Full RB



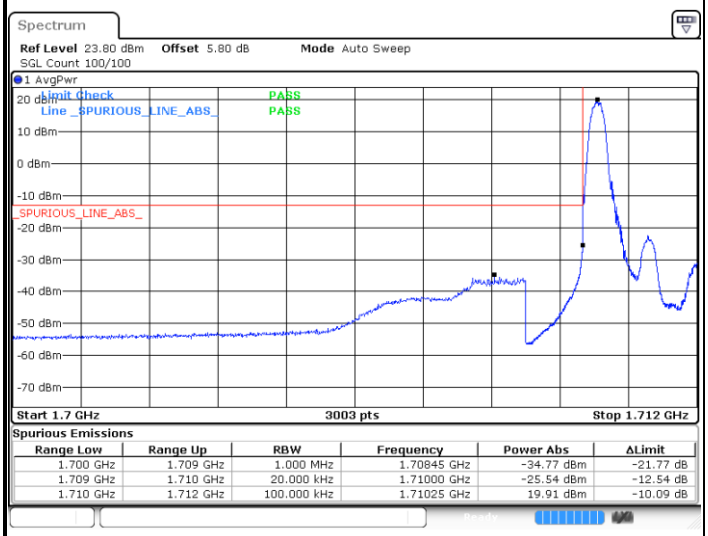
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75466 GHz	12.62 dBm	-17.38 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-30.59 dBm	-17.59 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-24.42 dBm	-11.42 dB

Date: 5.AUG.2019 04:45:56

LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

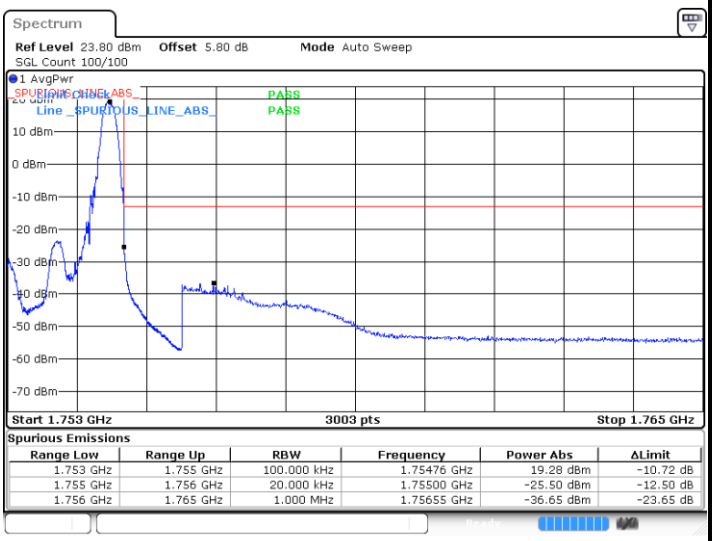


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70845 GHz	-34.77 dBm	-21.77 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.54 dBm	-12.54 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	19.91 dBm	-10.09 dB

Date: 5.AUG.2019 06:13:25

Highest Band Edge / 1 RB

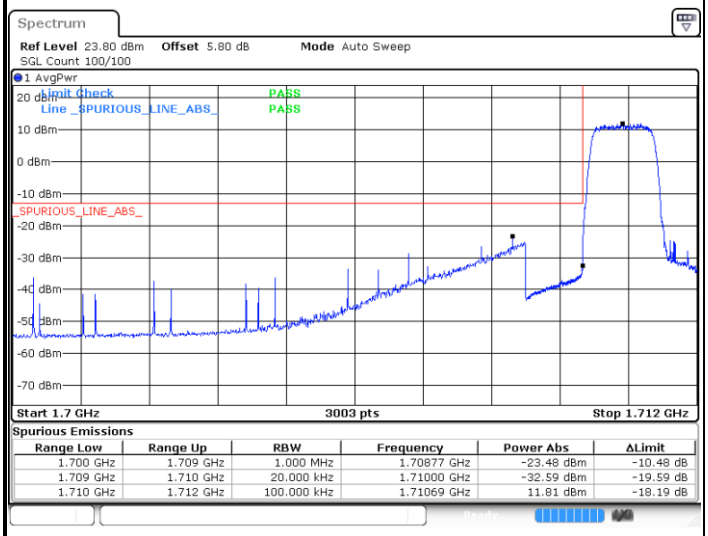


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	19.28 dBm	-10.72 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-25.50 dBm	-12.50 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75655 GHz	-36.65 dBm	-23.65 dB

Date: 5.AUG.2019 06:18:10

Lowest Band Edge / Full RB

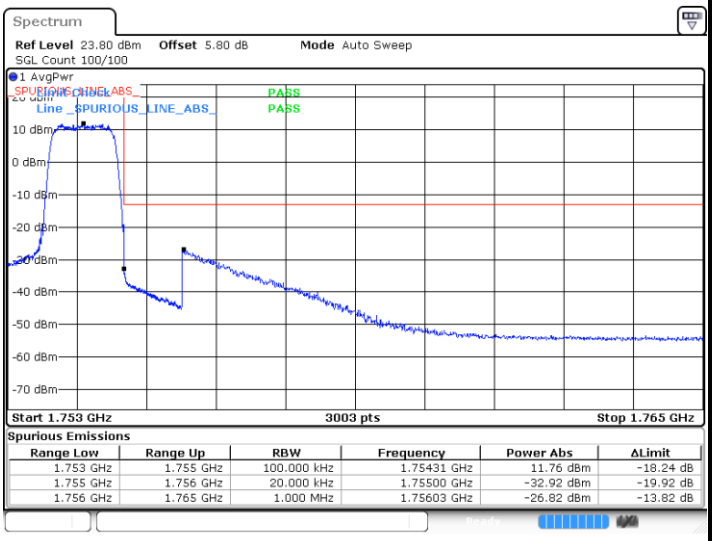


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70877 GHz	-23.48 dBm	-10.48 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-32.59 dBm	-19.59 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71069 GHz	11.81 dBm	-18.19 dB

Date: 5.AUG.2019 06:14:33

Highest Band Edge / Full RB



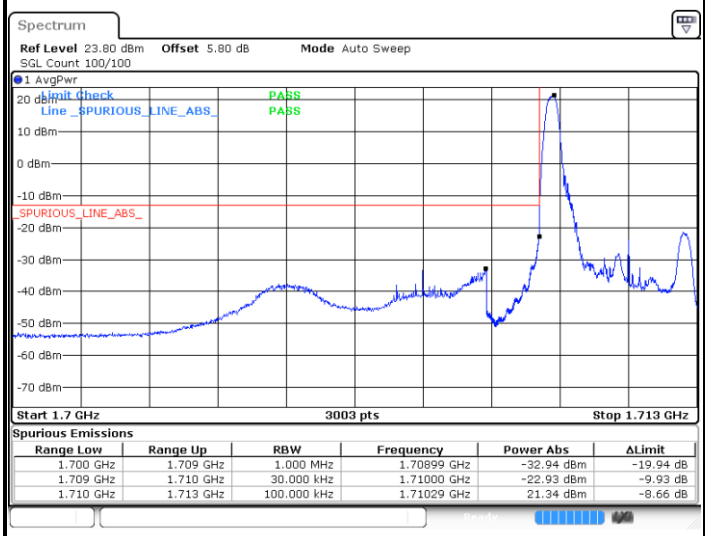
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75431 GHz	11.76 dBm	-18.24 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-32.92 dBm	-19.92 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-26.82 dBm	-13.82 dB

Date: 5.AUG.2019 06:19:18

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

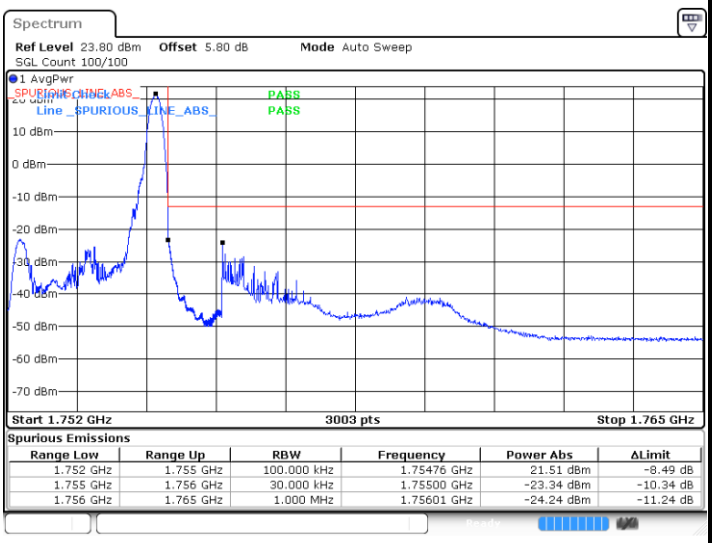


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-32.94 dBm	-19.94 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-22.93 dBm	-9.93 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71029 GHz	21.34 dBm	-8.66 dB

Date: 5.AUG.2019 04:49:33

Highest Band Edge / 1 RB

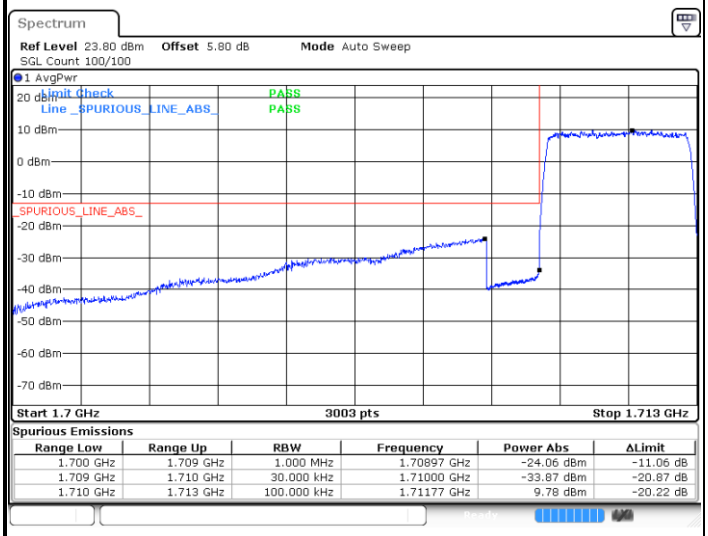


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	21.51 dBm	-8.49 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-23.34 dBm	-10.34 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-24.24 dBm	-11.24 dB

Date: 5.AUG.2019 04:59:03

Lowest Band Edge / Full RB

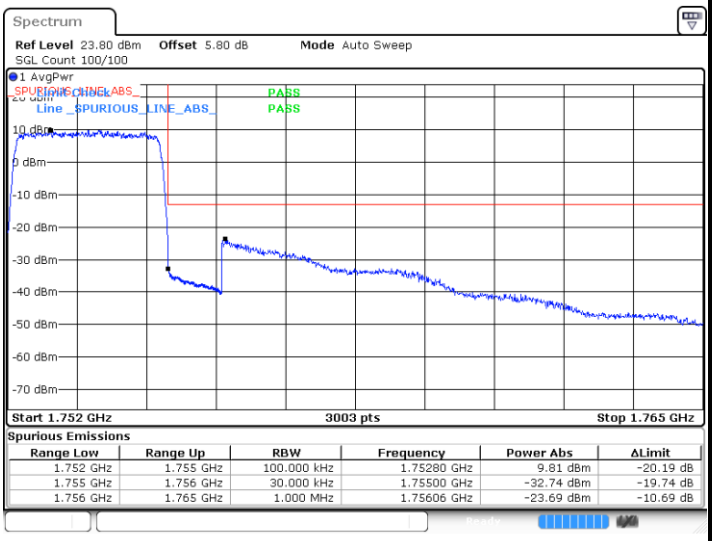


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-24.06 dBm	-11.06 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-33.87 dBm	-20.87 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71177 GHz	9.78 dBm	-20.22 dB

Date: 5.AUG.2019 04:51:48

Highest Band Edge / Full RB



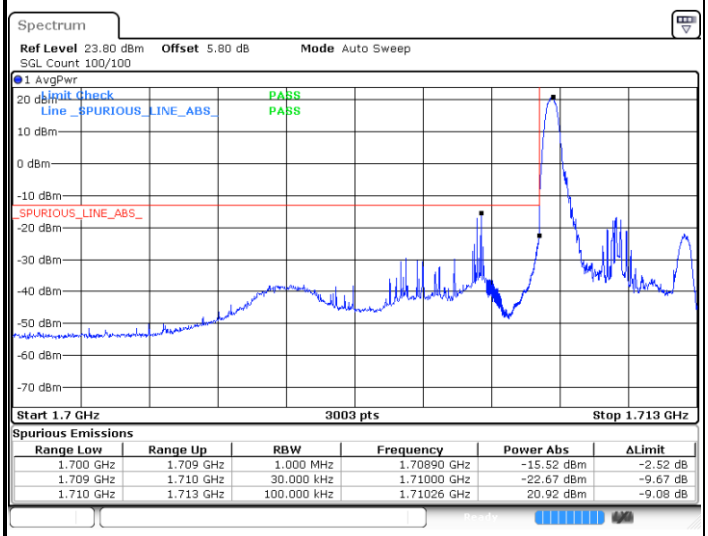
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75280 GHz	9.81 dBm	-20.19 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-32.74 dBm	-19.74 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-23.69 dBm	-10.69 dB

Date: 5.AUG.2019 05:01:18

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

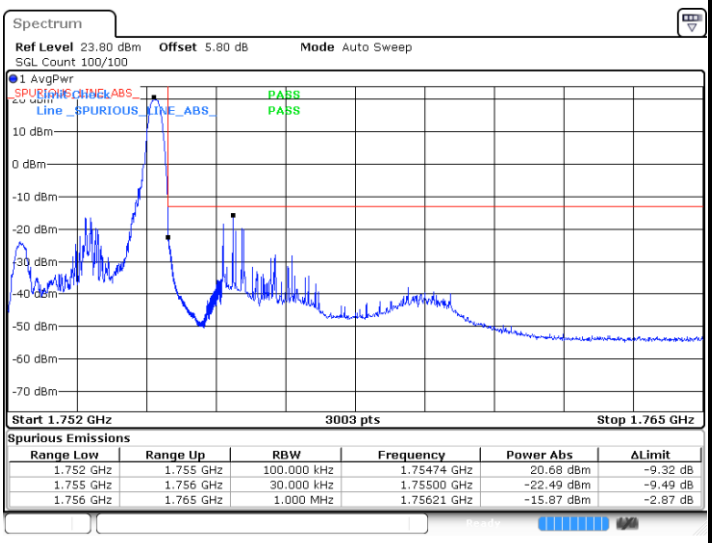


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-15.52 dBm	-2.52 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-22.67 dBm	-9.67 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71026 GHz	20.92 dBm	-9.08 dB

Date: 5.AUG.2019 04:50:40

Highest Band Edge /1 RB

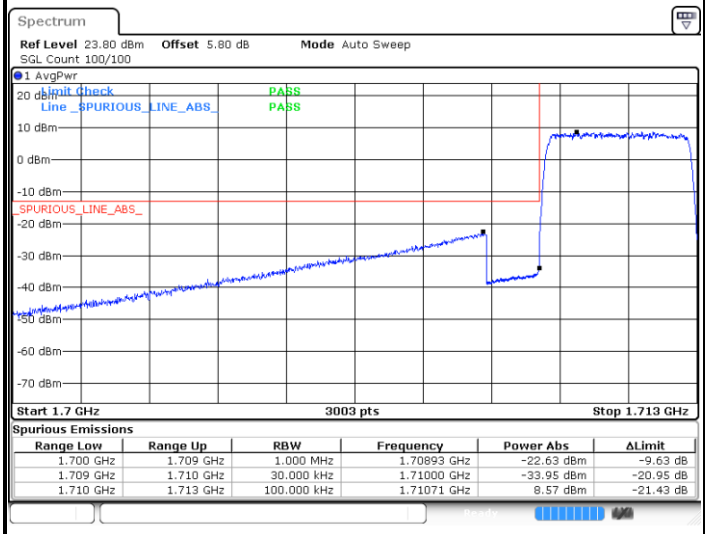


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	20.68 dBm	-9.32 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-22.49 dBm	-9.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75621 GHz	-15.87 dBm	-2.87 dB

Date: 5.AUG.2019 05:00:10

Lowest Band Edge / Full RB

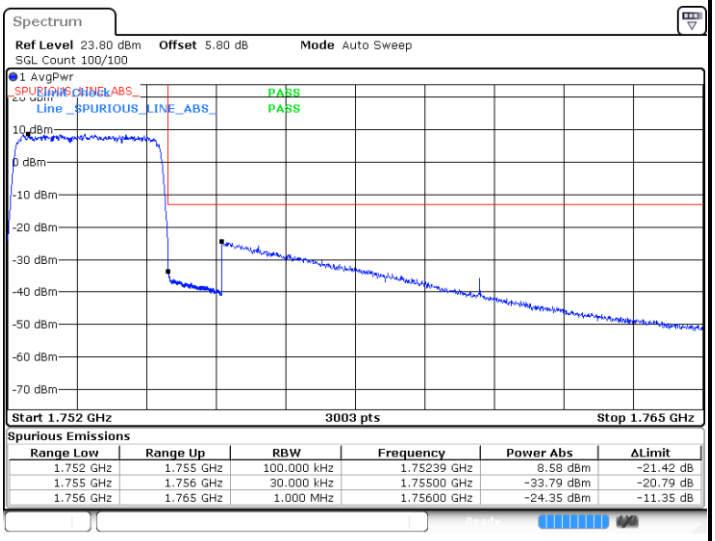


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-22.63 dBm	-9.63 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-33.95 dBm	-20.95 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71071 GHz	8.57 dBm	-21.43 dB

Date: 5.AUG.2019 04:52:55

Highest Band Edge / Full RB



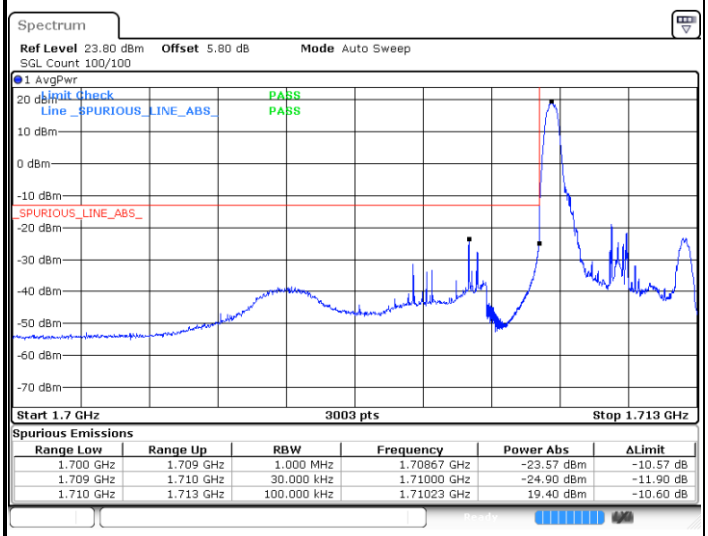
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75239 GHz	8.58 dBm	-21.42 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-33.79 dBm	-20.79 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-24.35 dBm	-11.35 dB

Date: 5.AUG.2019 05:02:25

LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

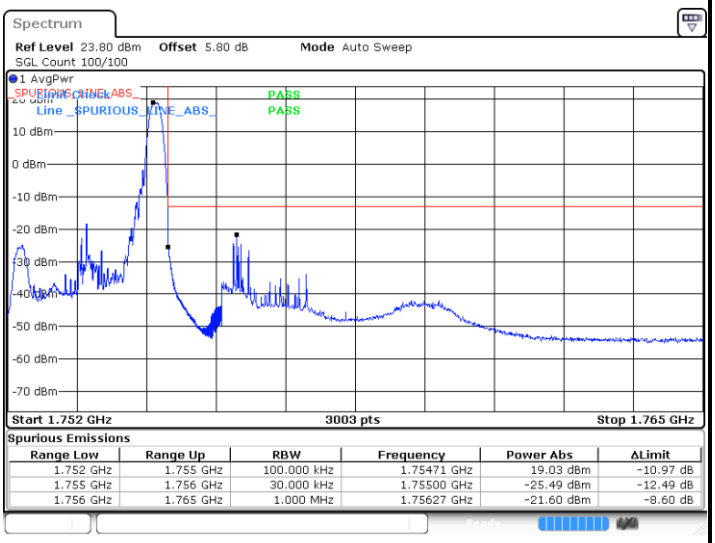


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70867 GHz	-23.57 dBm	-10.57 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-24.90 dBm	-11.90 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71023 GHz	19.40 dBm	-10.60 dB

Date: 5.AUG.2019 06:21:40

Highest Band Edge /1 RB

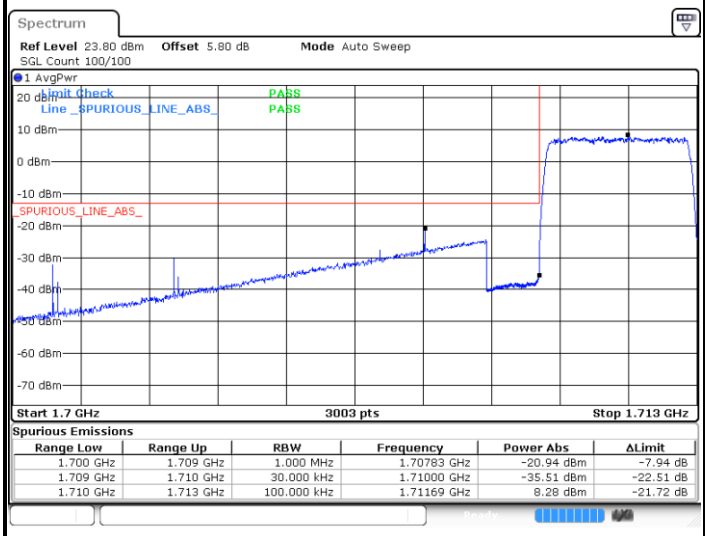


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75471 GHz	19.03 dBm	-10.97 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-25.49 dBm	-12.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75627 GHz	-21.60 dBm	-8.60 dB

Date: 5.AUG.2019 06:26:25

Lowest Band Edge / Full RB

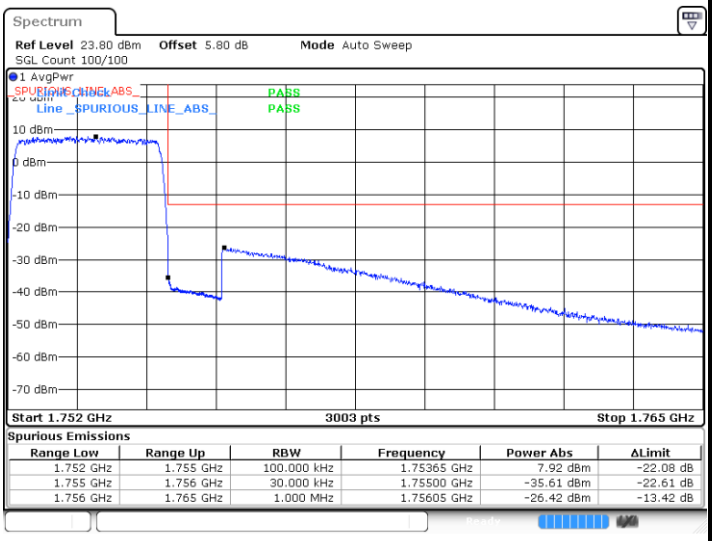


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70783 GHz	-20.94 dBm	-7.94 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-35.51 dBm	-22.51 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71169 GHz	8.28 dBm	-21.72 dB

Date: 5.AUG.2019 06:22:48

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75365 GHz	7.92 dBm	-22.08 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-35.61 dBm	-22.61 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-26.42 dBm	-13.42 dB

Date: 5.AUG.2019 06:27:33