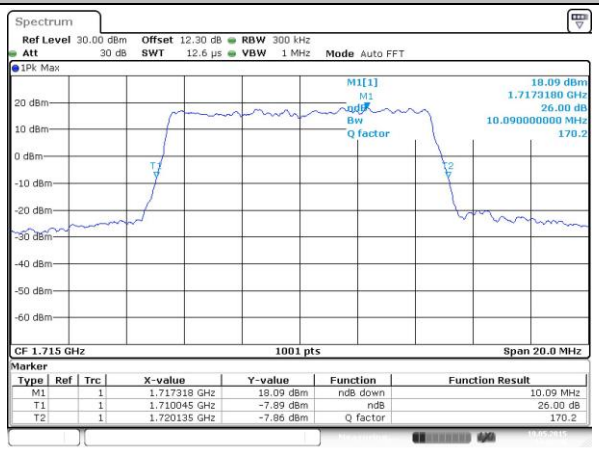
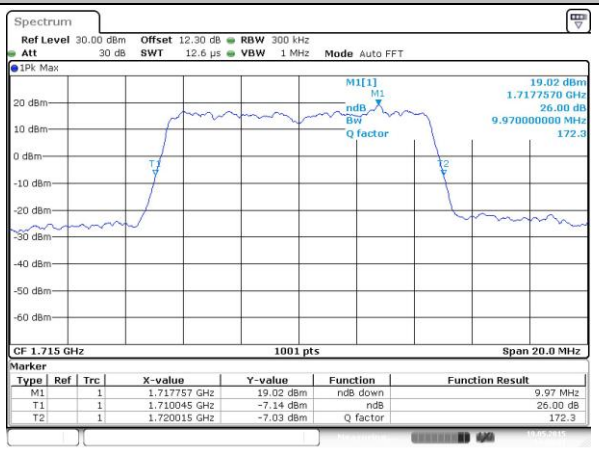
LTE Band 4

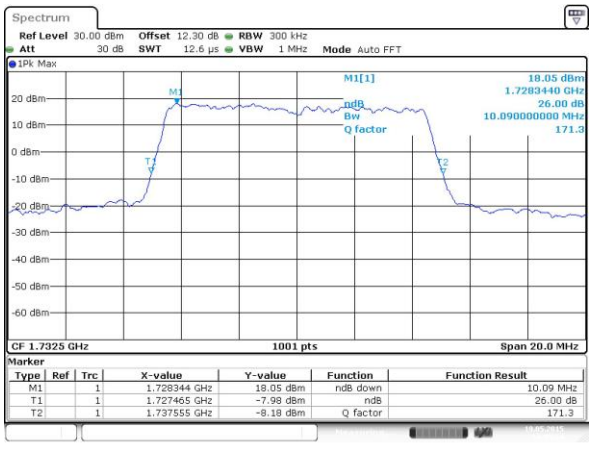
Lowest Channel / 10MHz / QPSK



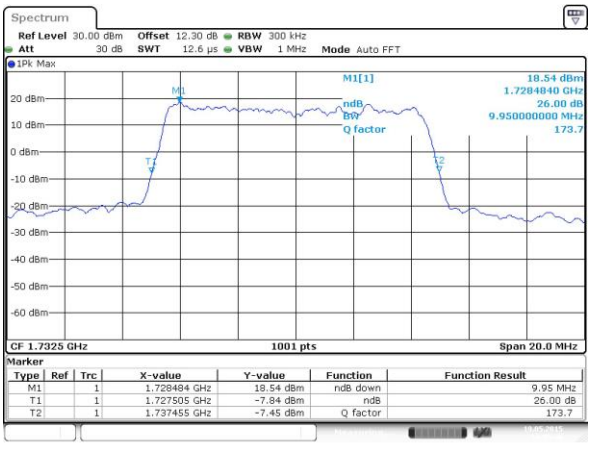
Lowest Channel / 10MHz / 16QAM



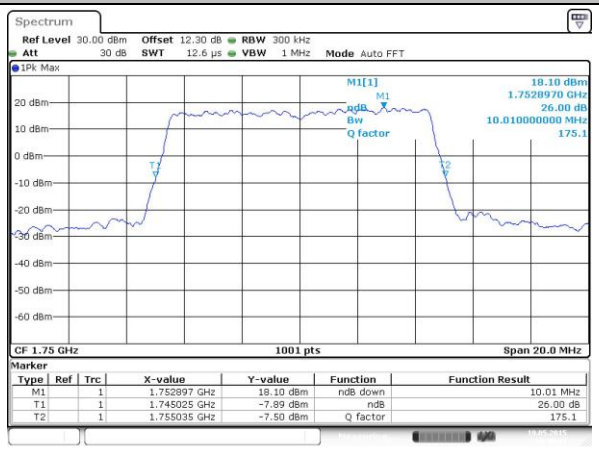
Middle Channel / 10MHz / QPSK



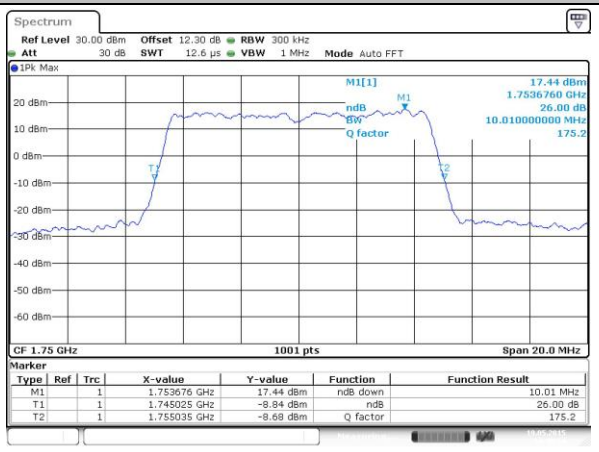
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

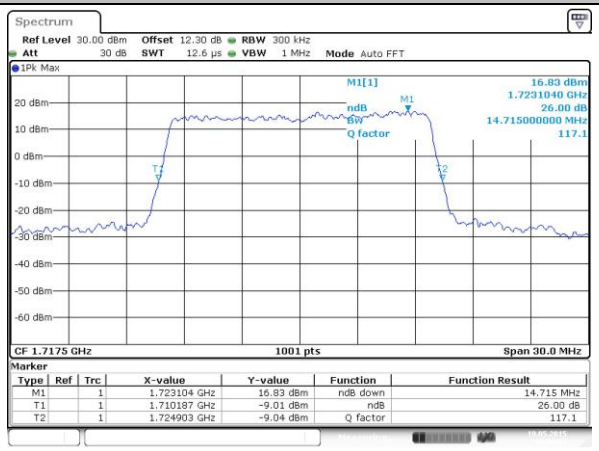


Highest Channel / 10MHz / 16QAM

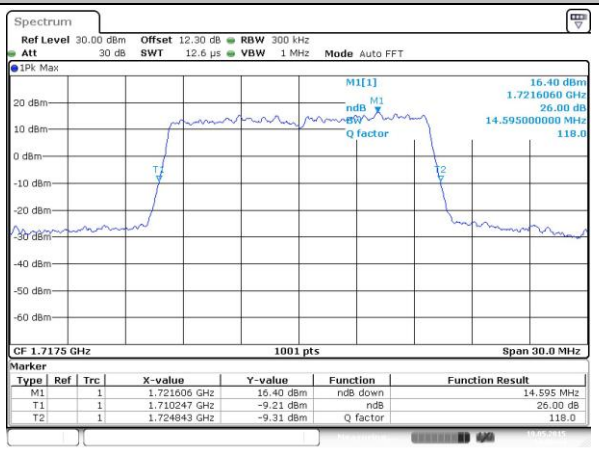


LTE Band 4

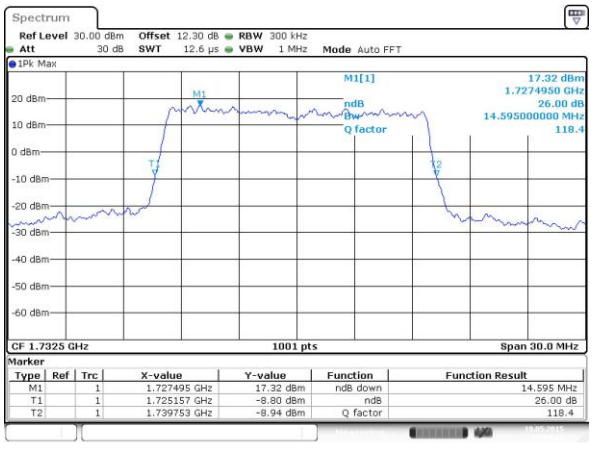
Lowest Channel / 15MHz / QPSK



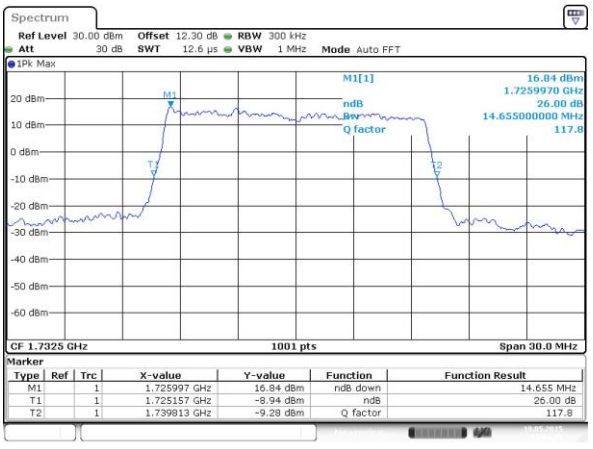
Lowest Channel / 15MHz / 16QAM



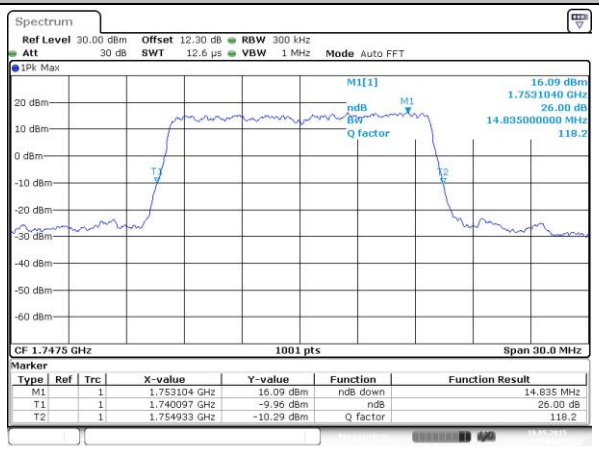
Middle Channel / 15MHz / QPSK



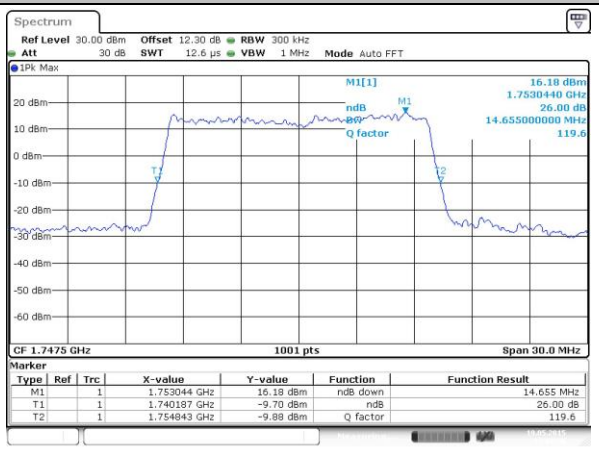
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

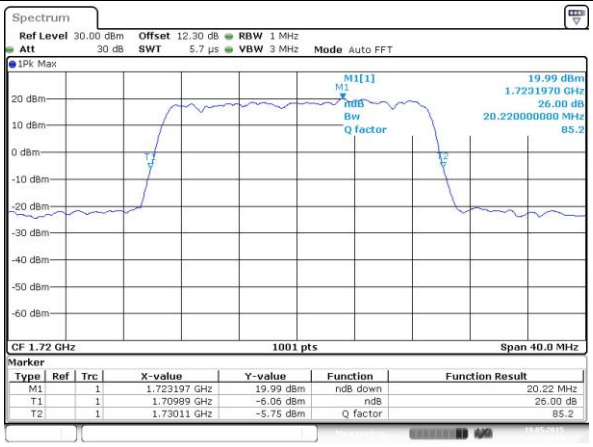


Highest Channel / 15MHz / 16QAM

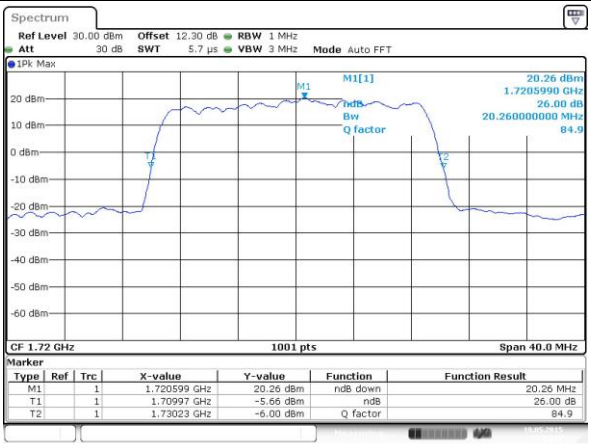


LTE Band 4

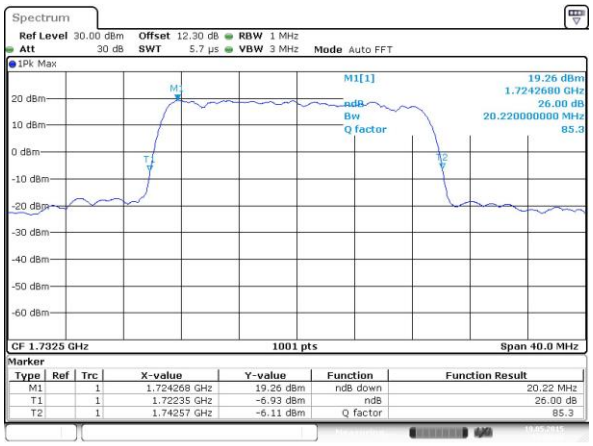
Lowest Channel / 20MHz / QPSK



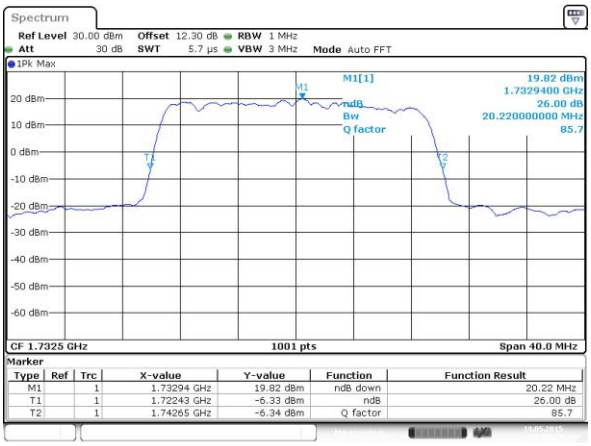
Lowest Channel / 20MHz / 16QAM



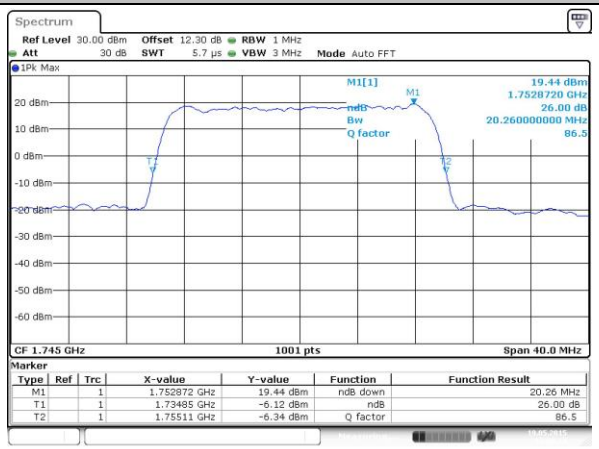
Middle Channel / 20MHz / QPSK



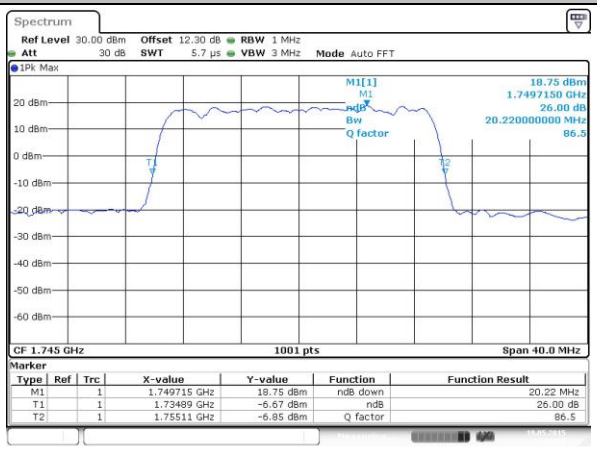
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

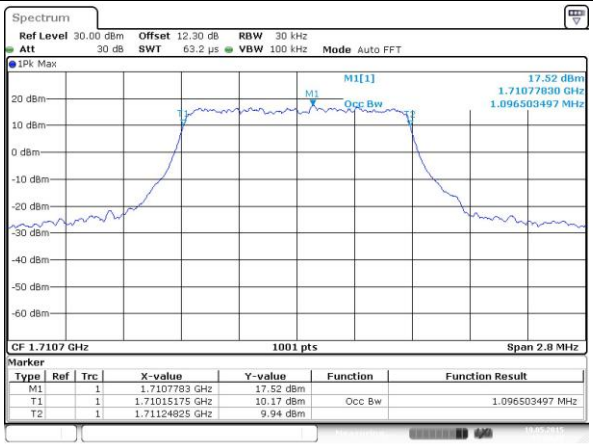


Occupied Bandwidth

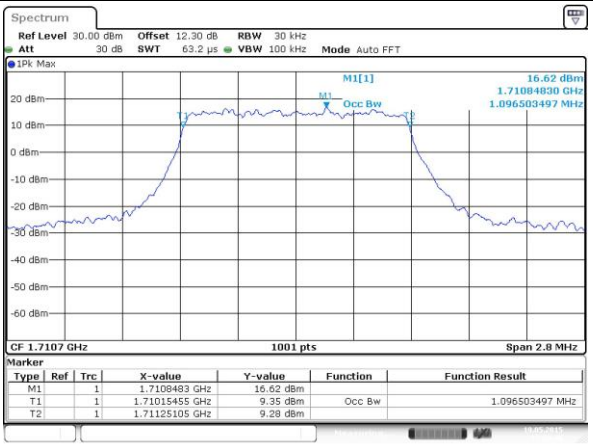
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.10	2.73	2.72	4.50	4.51	9.11	9.01	13.49	13.49	18.22	18.38
Middle CH	1.09	1.10	2.72	2.72	4.50	4.51	9.05	9.05	13.49	13.46	18.38	18.34
Highest CH	1.10	1.10	2.73	2.72	4.51	4.50	9.13	9.05	13.46	13.46	18.42	18.46

LTE Band 4

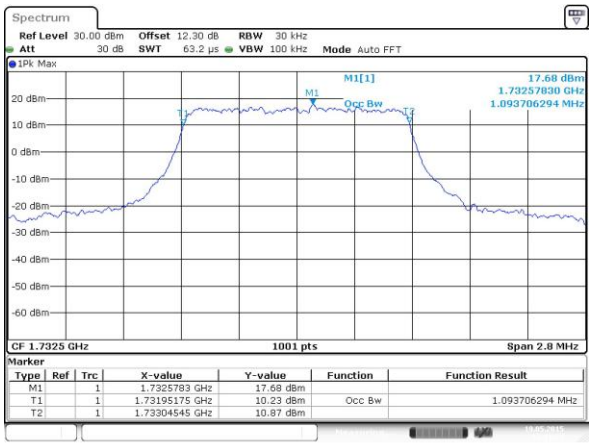
Lowest Channel / 1.4MHz / QPSK



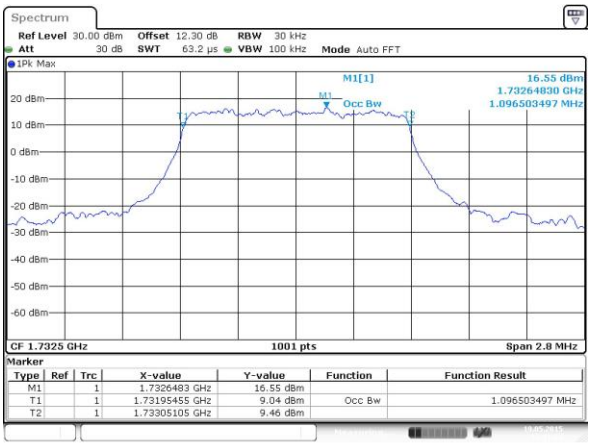
Lowest Channel / 1.4MHz / 16QAM



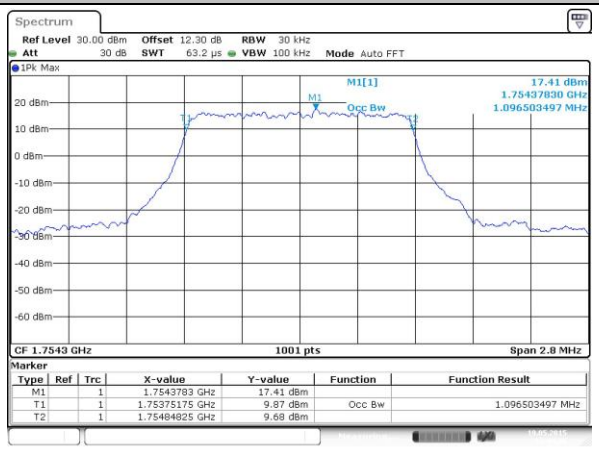
Middle Channel / 1.4MHz / QPSK



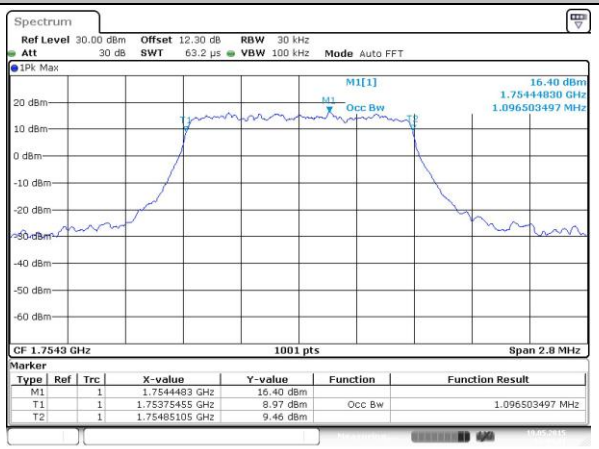
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

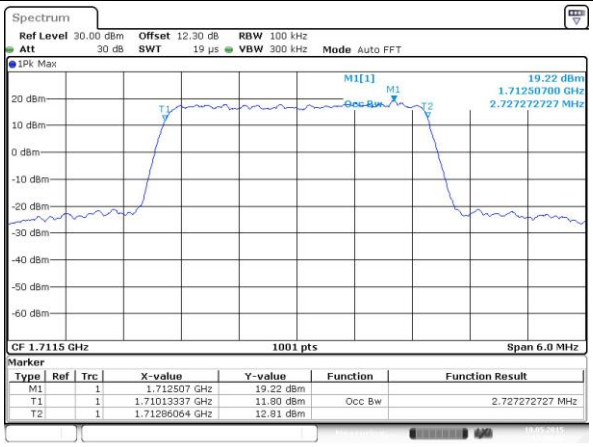


Highest Channel / 1.4MHz / 16QAM

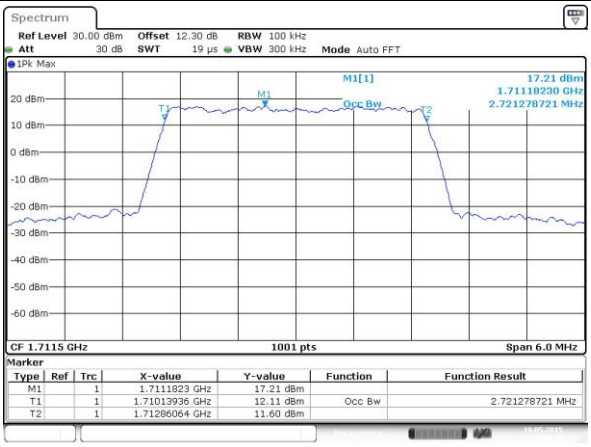


LTE Band 4

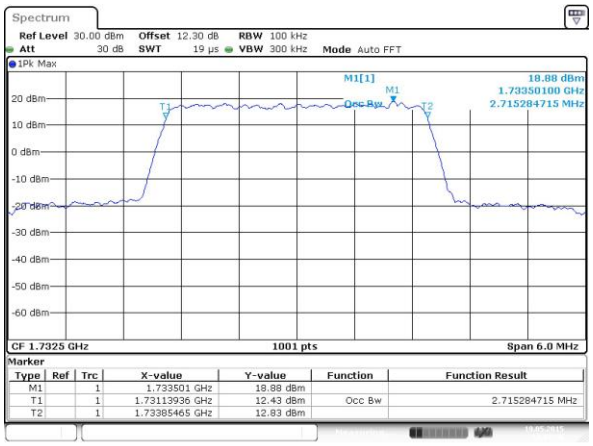
Lowest Channel / 3MHz / QPSK



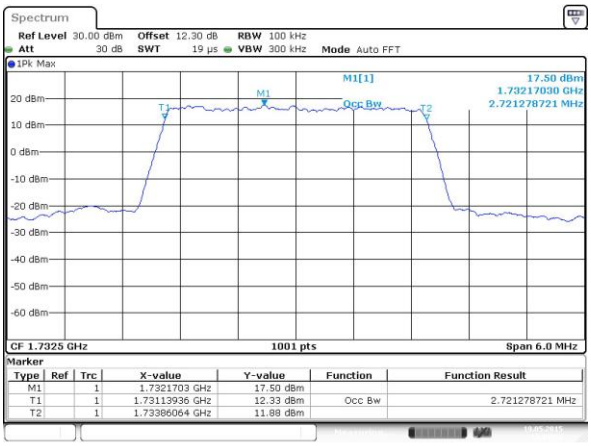
Lowest Channel / 3MHz / 16QAM



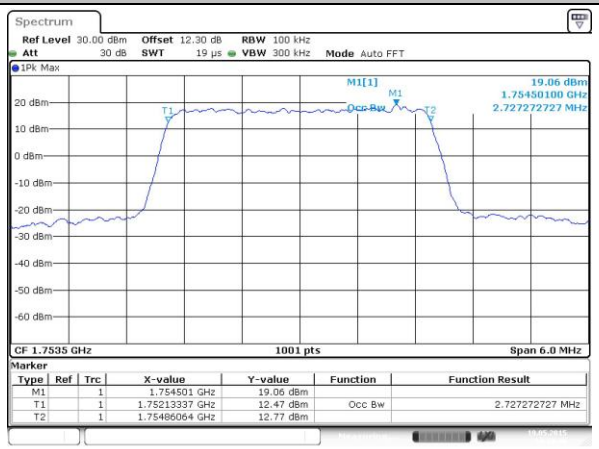
Middle Channel / 3MHz / QPSK



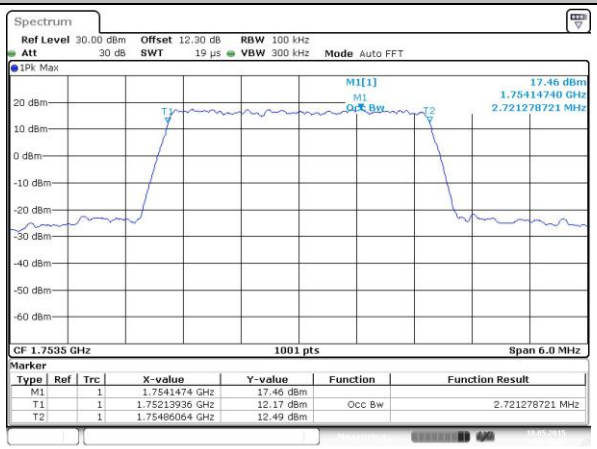
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

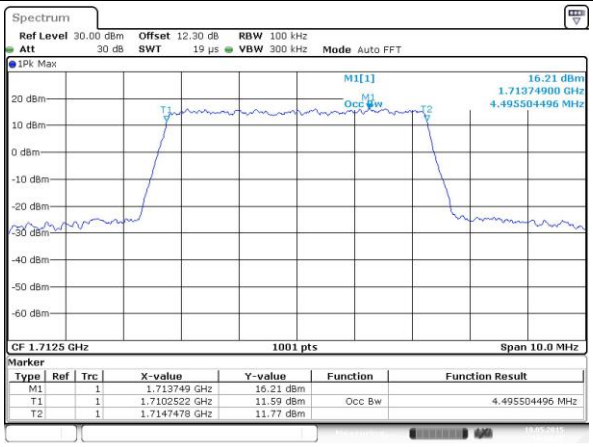


Highest Channel / 3MHz / 16QAM

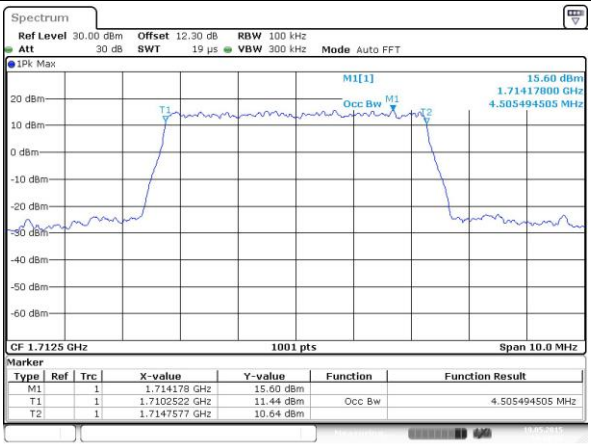


LTE Band 4

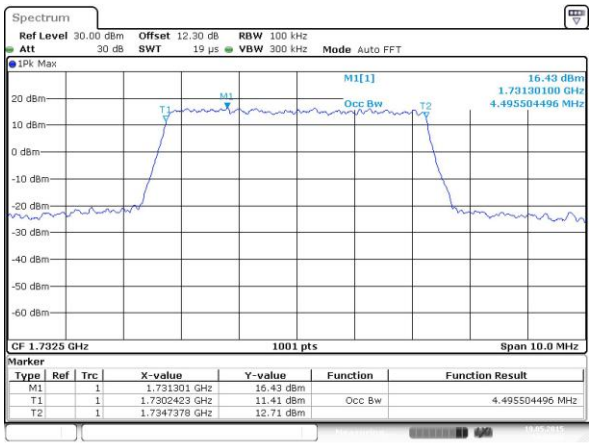
Lowest Channel / 5MHz / QPSK



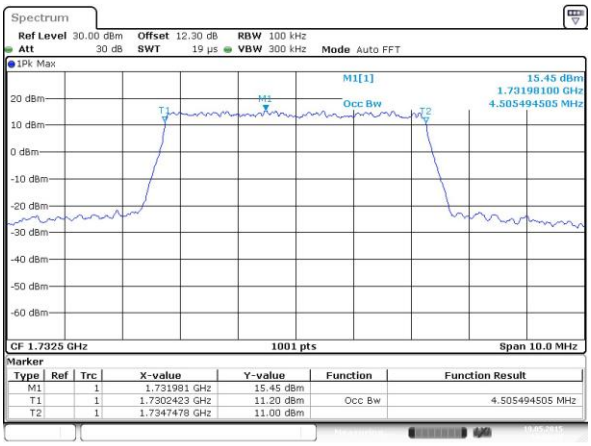
Lowest Channel / 5MHz / 16QAM



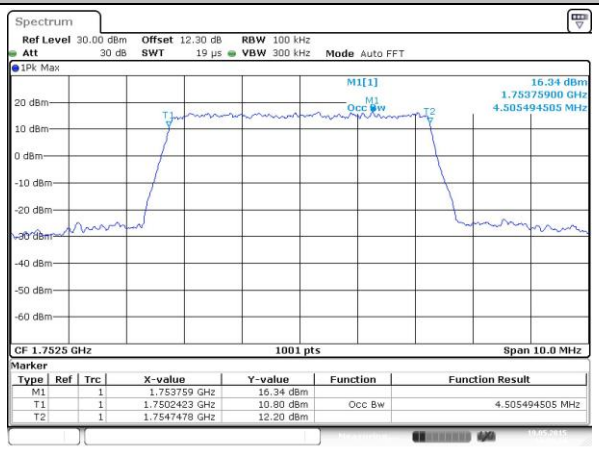
Middle Channel / 5MHz / QPSK



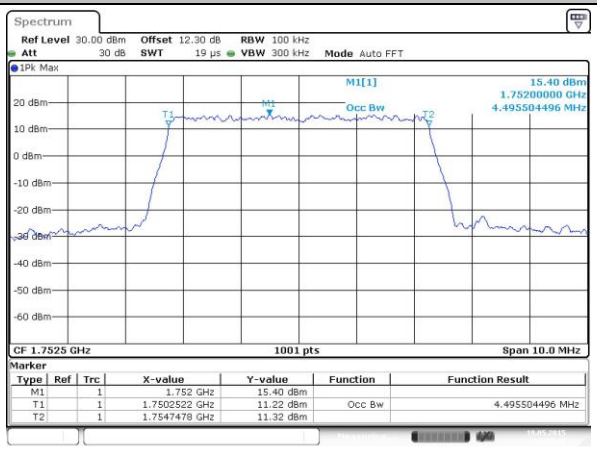
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

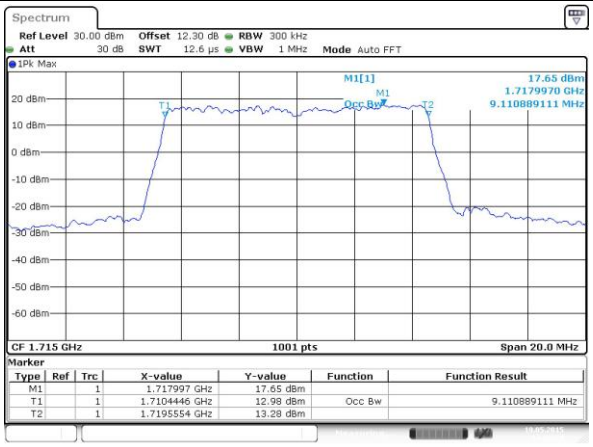


Highest Channel / 5MHz / 16QAM

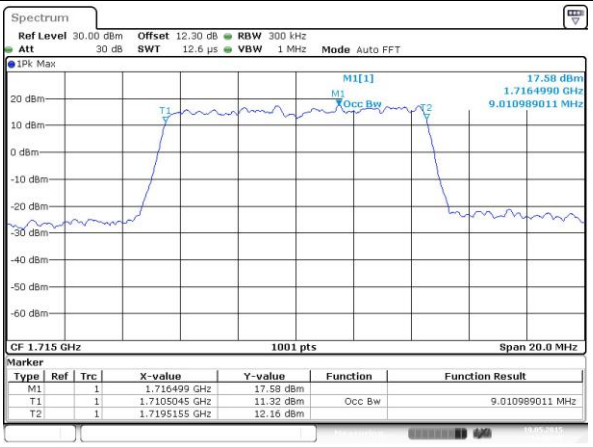


LTE Band 4

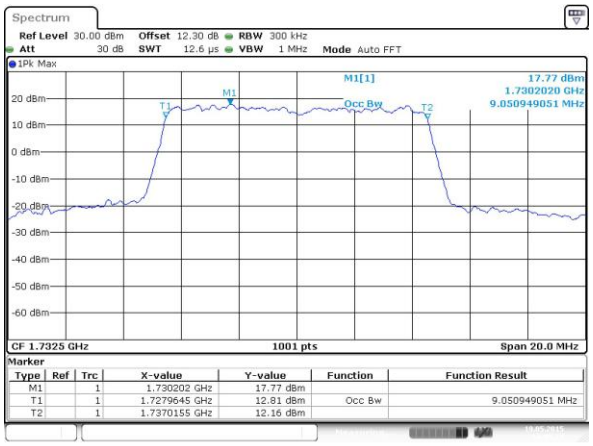
Lowest Channel / 10MHz / QPSK



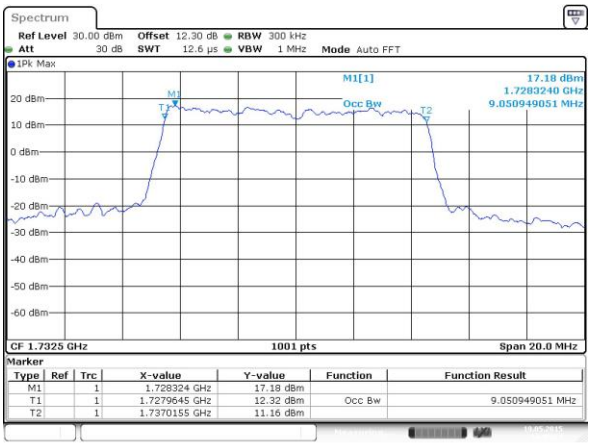
Lowest Channel / 10MHz / 16QAM



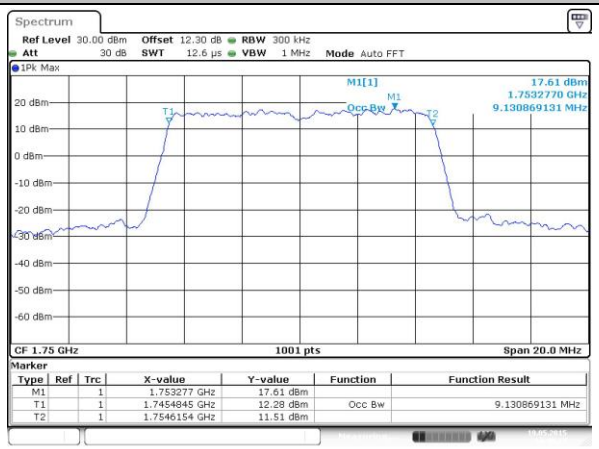
Middle Channel / 10MHz / QPSK



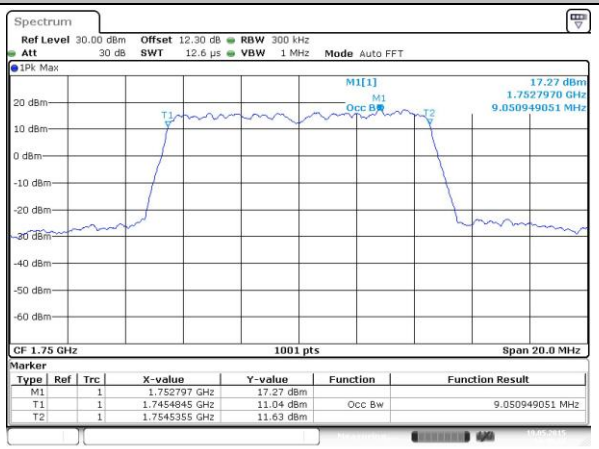
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

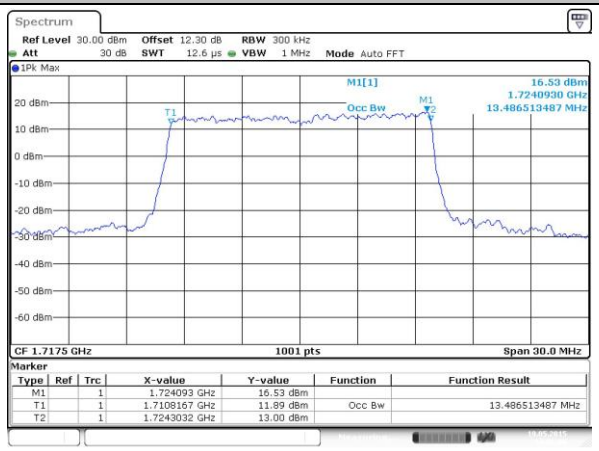


Highest Channel / 10MHz / 16QAM

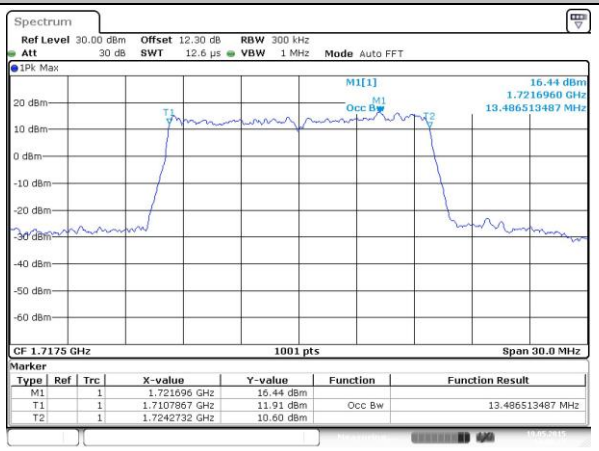


LTE Band 4

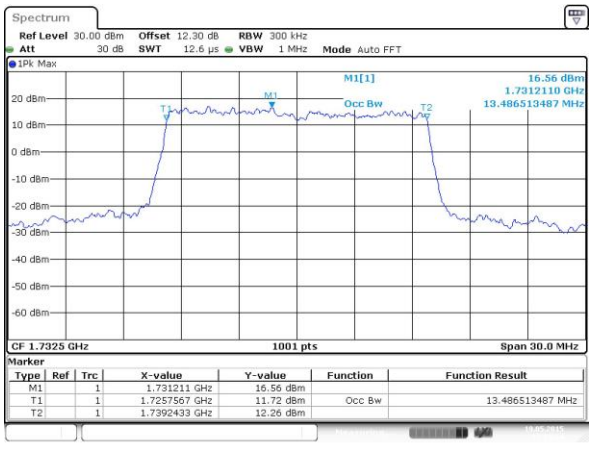
Lowest Channel / 15MHz / QPSK



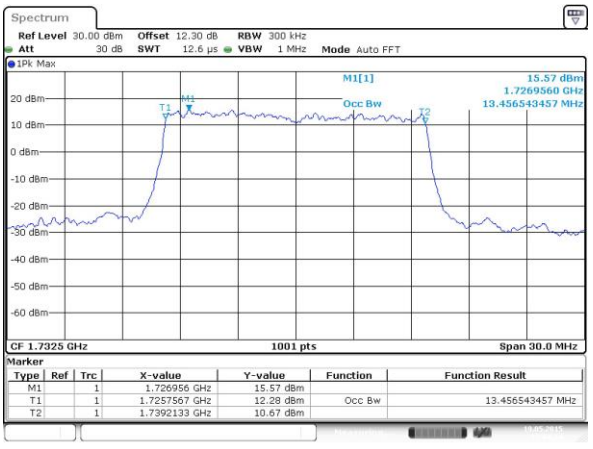
Lowest Channel / 15MHz / 16QAM



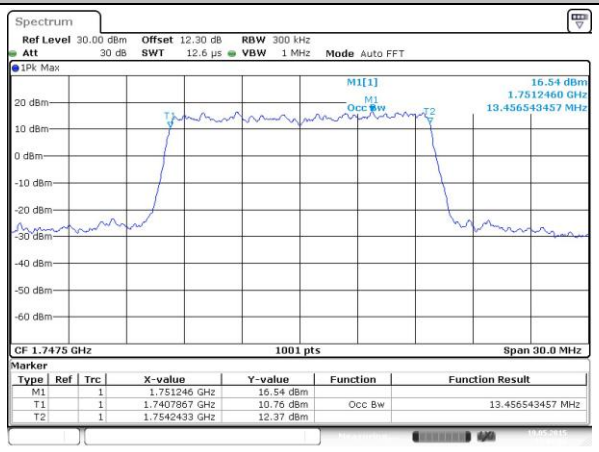
Middle Channel / 15MHz / QPSK



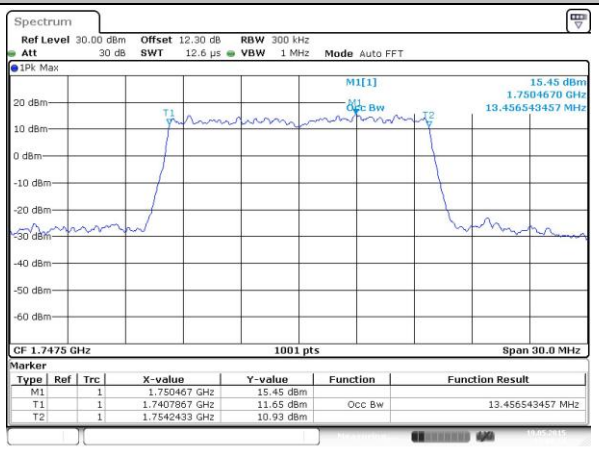
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

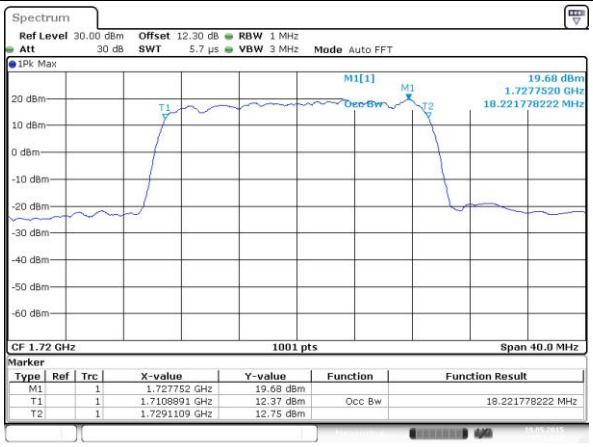


Highest Channel / 15MHz / 16QAM

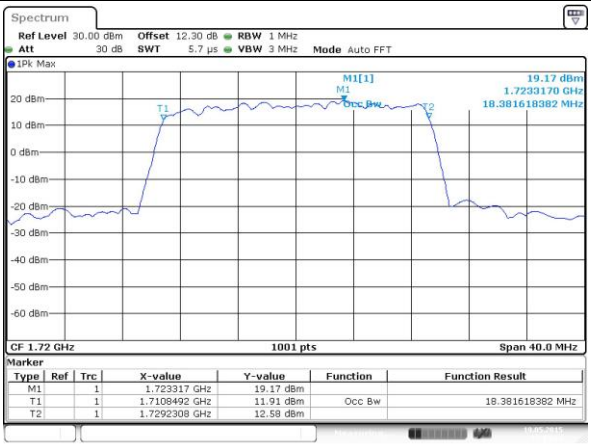


LTE Band 4

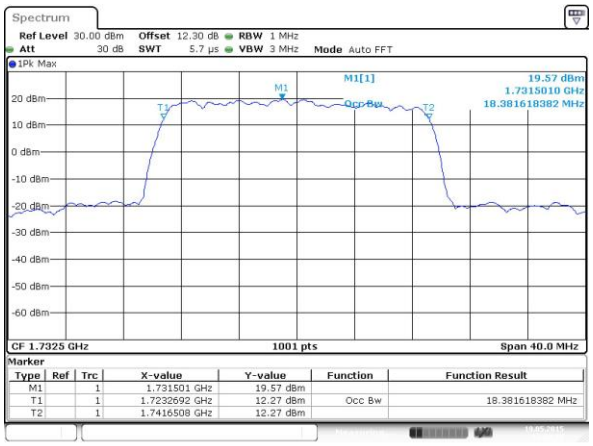
Lowest Channel / 20MHz / QPSK



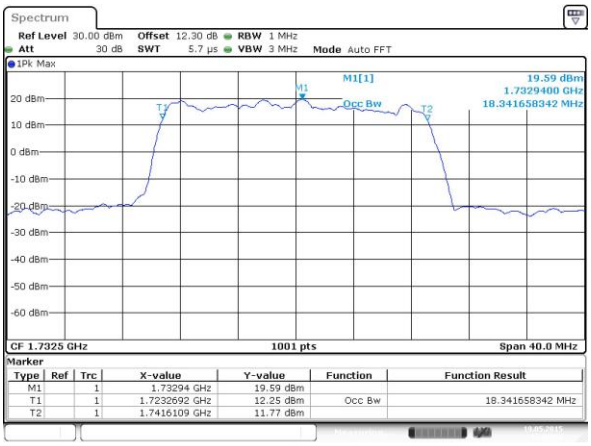
Lowest Channel / 20MHz / 16QAM



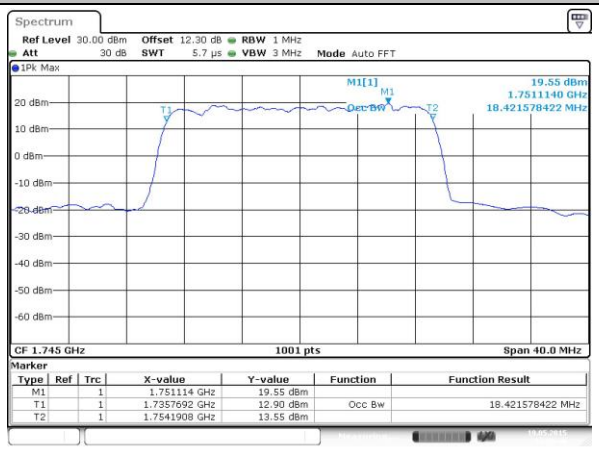
Middle Channel / 20MHz / QPSK



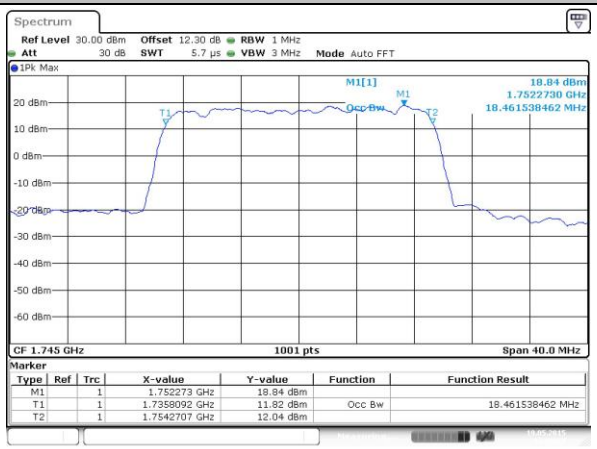
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



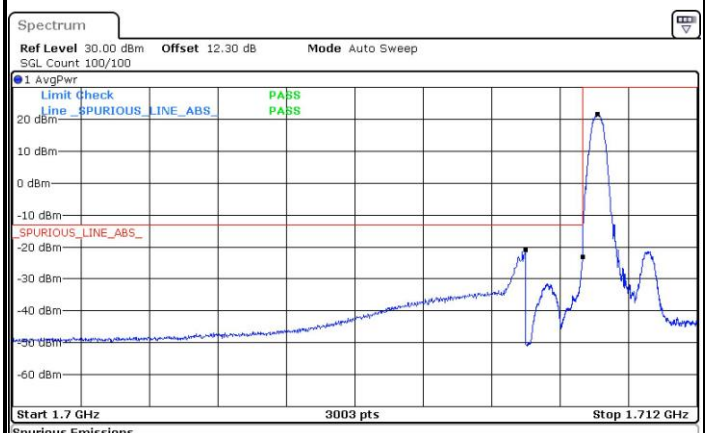
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

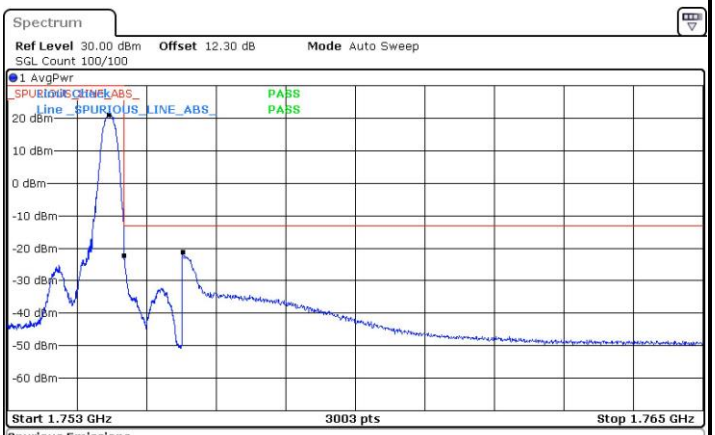


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-20.82 dBm	-7.82 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-23.02 dBm	-10.02 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	21.60 dBm	-8.40 dB

Date: 19.MAY.2015 15:35:22

Highest Band Edge / 1RB

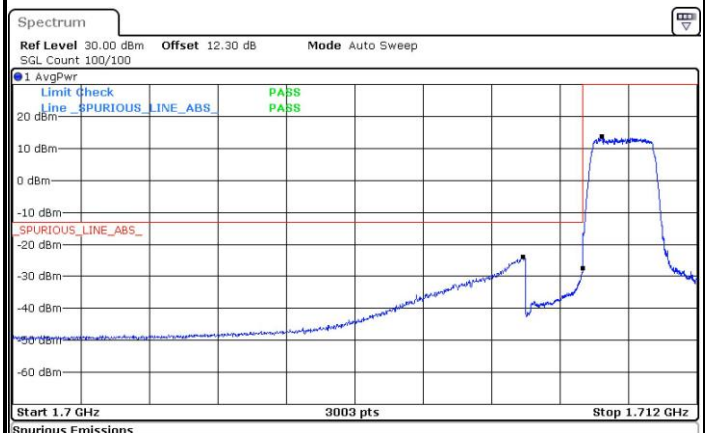


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75475 GHz	21.06 dBm	-8.94 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-22.34 dBm	-9.34 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-21.15 dBm	-8.15 dB

Date: 19.MAY.2015 15:46:15

Lowest Band Edge / Full RB

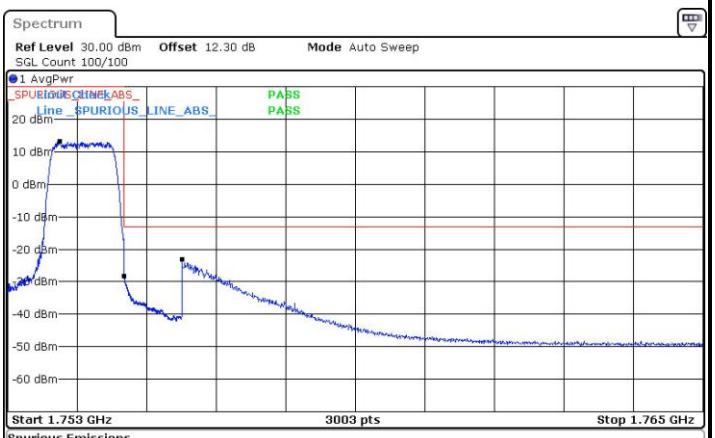


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-23.82 dBm	-10.82 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-27.41 dBm	-14.41 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71033 GHz	13.61 dBm	-16.39 dB

Date: 19.MAY.2015 15:37:41

Highest Band Edge / Full RB



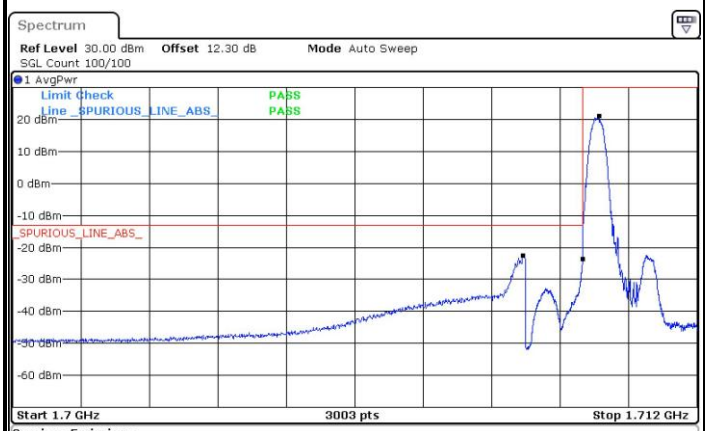
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75390 GHz	13.20 dBm	-16.80 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-28.22 dBm	-15.22 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-23.12 dBm	-10.12 dB

Date: 19.MAY.2015 15:48:35

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

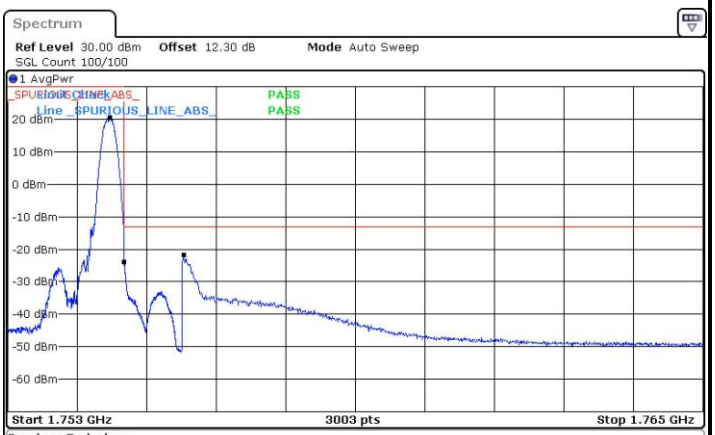


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-22.47 dBm	-9.47 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-23.72 dBm	-10.72 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71028 GHz	20.96 dBm	-9.04 dB

Date: 19.MAY.2015 15:36:31

Highest Band Edge / 1 RB

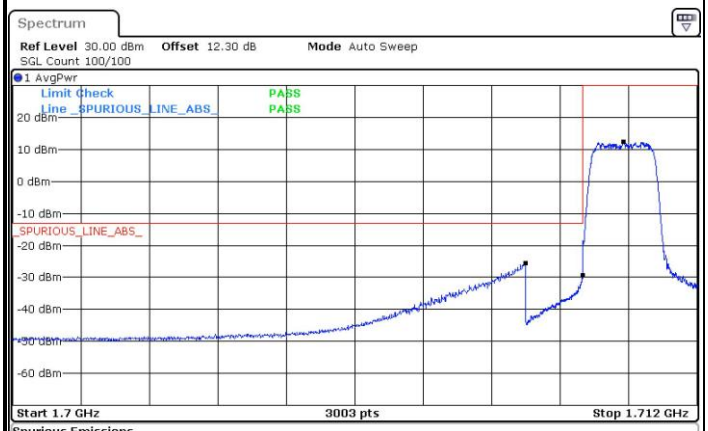


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	20.52 dBm	-9.48 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-23.89 dBm	-10.89 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-21.78 dBm	-8.78 dB

Date: 19.MAY.2015 15:47:25

Lowest Band Edge / Full RB

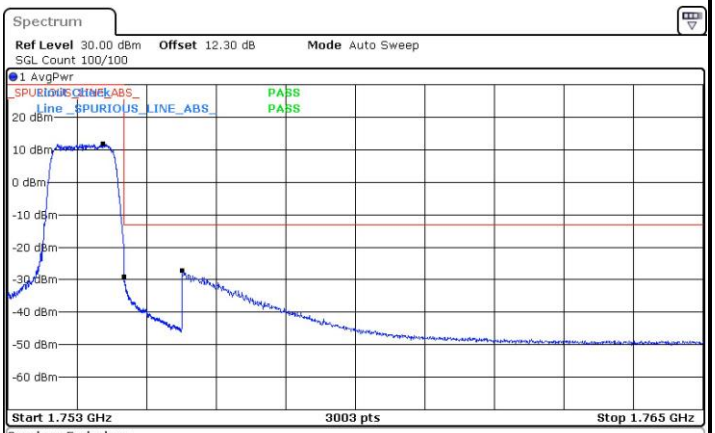


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-25.65 dBm	-12.65 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-29.31 dBm	-16.31 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71071 GHz	12.38 dBm	-17.62 dB

Date: 19.MAY.2015 15:38:51

Highest Band Edge / Full RB



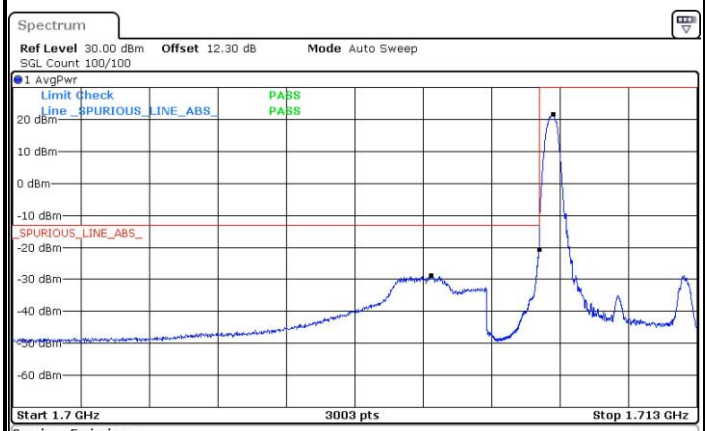
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75465 GHz	11.78 dBm	-18.22 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-28.97 dBm	-15.97 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-27.21 dBm	-14.21 dB

Date: 19.MAY.2015 15:49:44

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

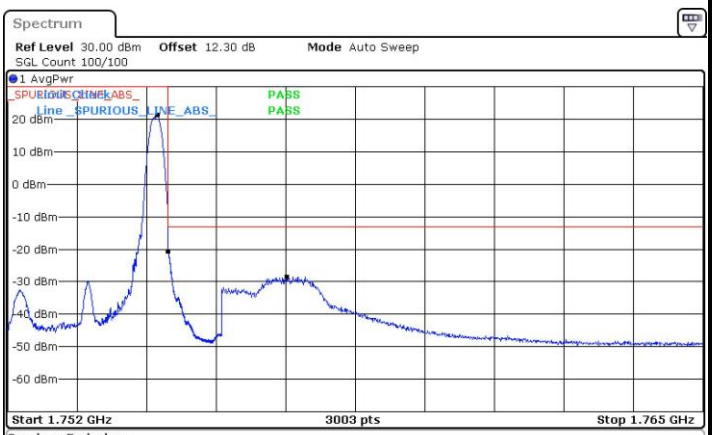


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70795 GHz	-28.73 dBm	-15.73 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-20.61 dBm	-7.61 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71026 GHz	21.59 dBm	-8.41 dB

Date: 19.MAY.2015 14:01:36

Highest Band Edge / 1 RB

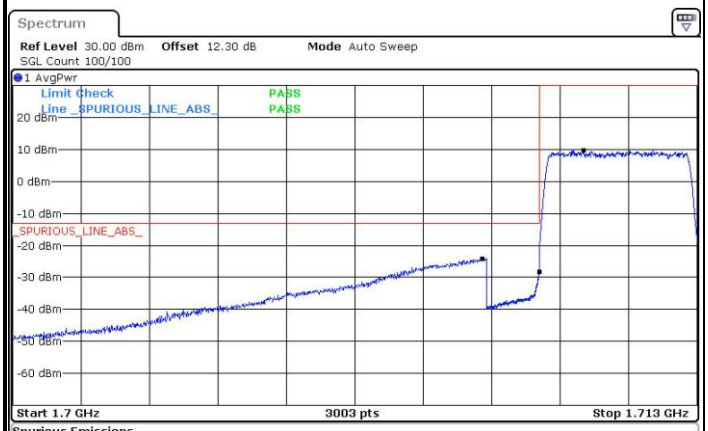


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75480 GHz	21.42 dBm	-8.58 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-20.74 dBm	-7.74 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75721 GHz	-28.49 dBm	-15.49 dB

Date: 19.MAY.2015 14:12:32

Lowest Band Edge / Full RB

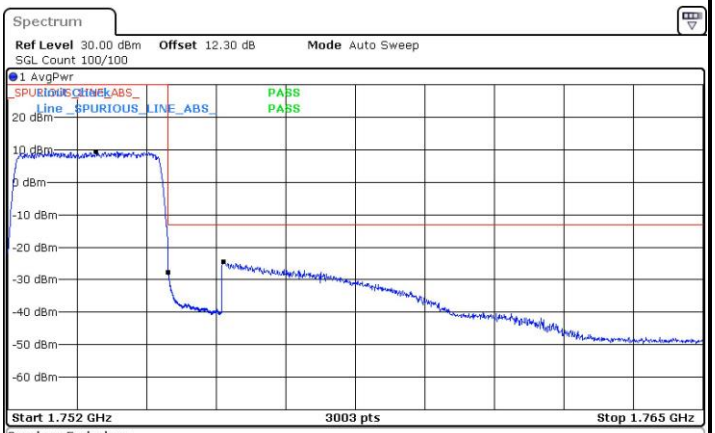


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-24.12 dBm	-11.12 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-28.19 dBm	-15.19 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71084 GHz	9.63 dBm	-20.37 dB

Date: 19.MAY.2015 14:03:56

Highest Band Edge / Full RB



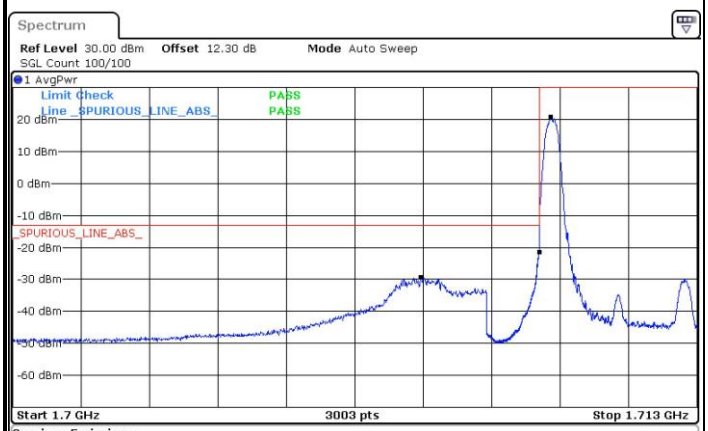
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75365 GHz	9.49 dBm	-20.51 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.83 dBm	-14.83 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-24.54 dBm	-11.54 dB

Date: 19.MAY.2015 14:14:52

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

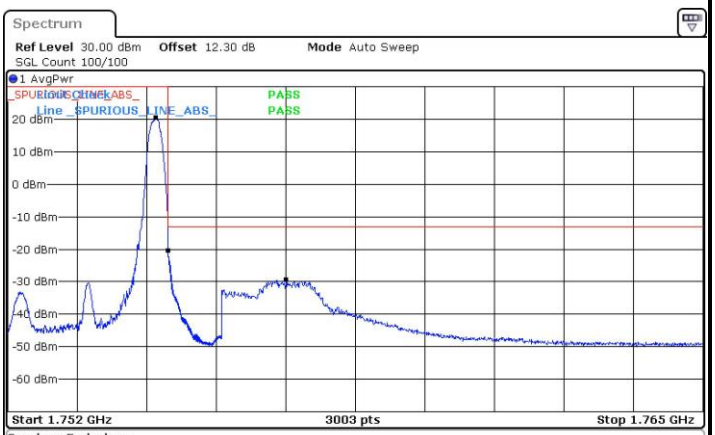


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70775 GHz	-29.30 dBm	-16.30 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.42 dBm	-8.42 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71022 GHz	20.81 dBm	-9.19 dB

Date: 19.MAY.2015 14:02:46

Highest Band Edge /1 RB

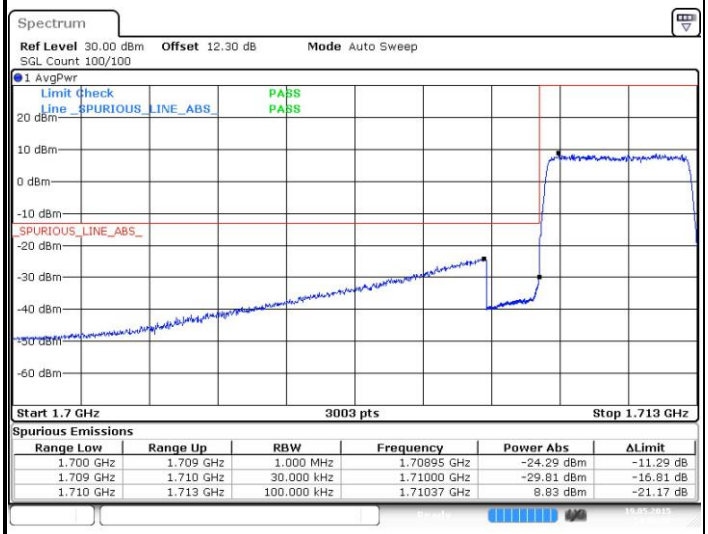


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	20.53 dBm	-9.47 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-20.48 dBm	-7.48 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75720 GHz	-29.23 dBm	-16.23 dB

Date: 19.MAY.2015 14:13:42

Lowest Band Edge / Full RB

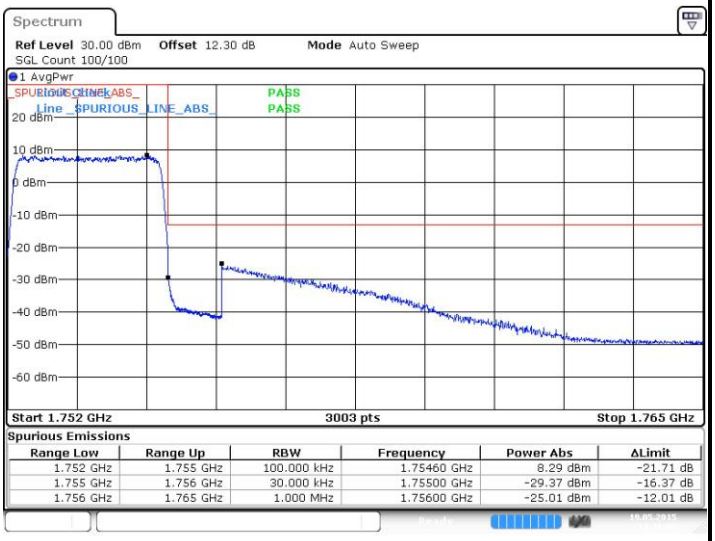


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-24.29 dBm	-11.29 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.81 dBm	-16.81 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71037 GHz	8.83 dBm	-21.17 dB

Date: 19.MAY.2015 14:05:06

Highest Band Edge / Full RB



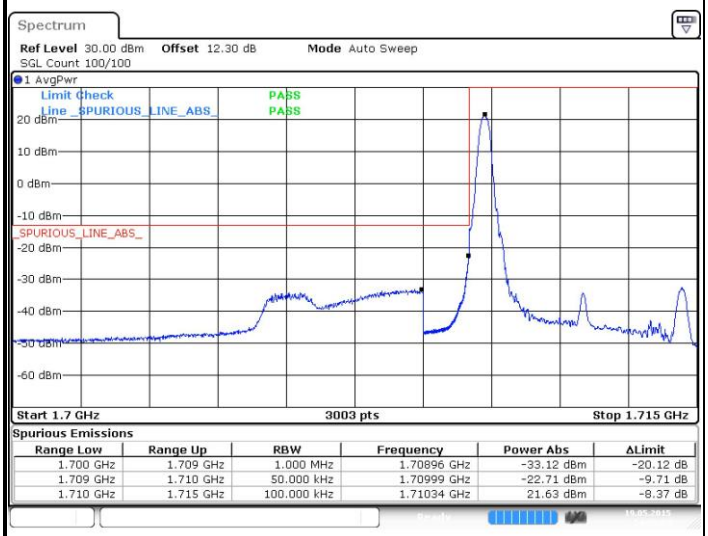
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75460 GHz	8.29 dBm	-21.71 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.37 dBm	-16.37 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-25.01 dBm	-12.01 dB

Date: 19.MAY.2015 14:16:02

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

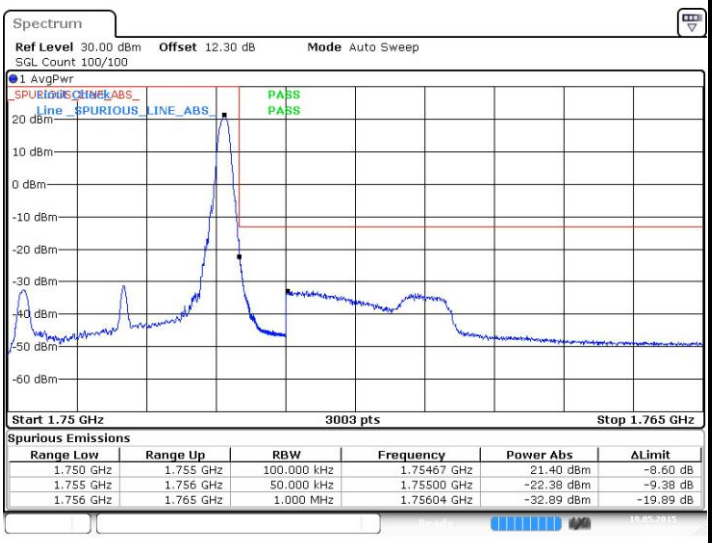


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-33.12 dBm	-20.12 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70999 GHz	-22.71 dBm	-9.71 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71034 GHz	21.63 dBm	-8.37 dB

Date: 19.MAY.2015 14:20:24

Highest Band Edge / 1 RB

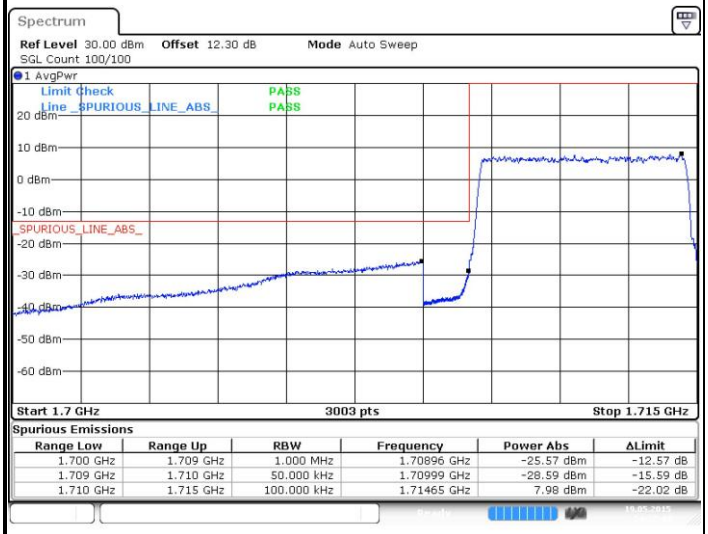


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	21.40 dBm	-8.60 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.38 dBm	-9.38 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-32.89 dBm	-19.89 dB

Date: 19.MAY.2015 14:31:19

Lowest Band Edge / Full RB

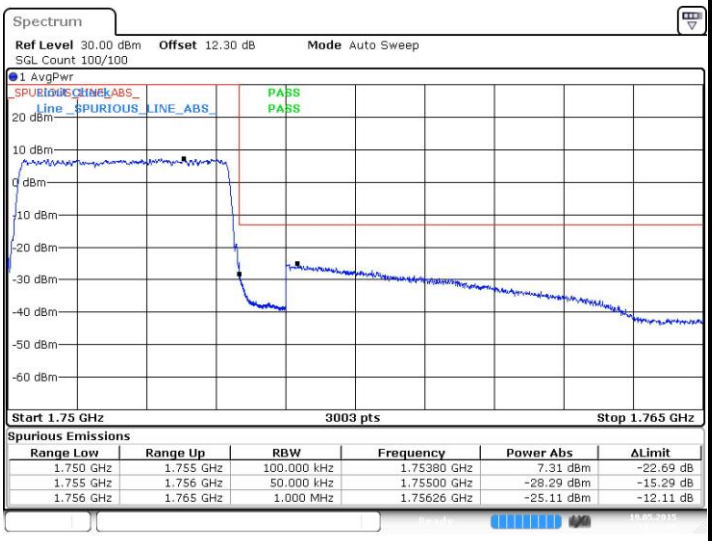


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-25.57 dBm	-12.57 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70999 GHz	-28.59 dBm	-15.59 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71465 GHz	7.98 dBm	-22.02 dB

Date: 19.MAY.2015 14:22:44

Highest Band Edge / Full RB



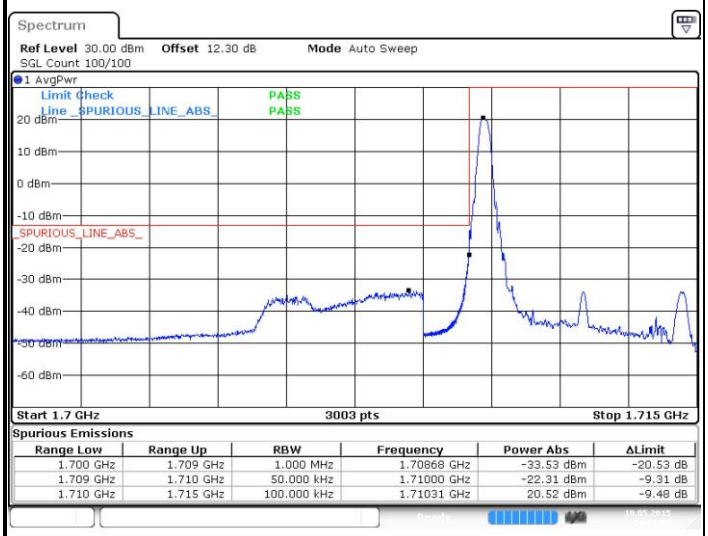
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75380 GHz	7.31 dBm	-22.69 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-28.29 dBm	-15.29 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75626 GHz	-25.11 dBm	-12.11 dB

Date: 19.MAY.2015 14:33:38

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

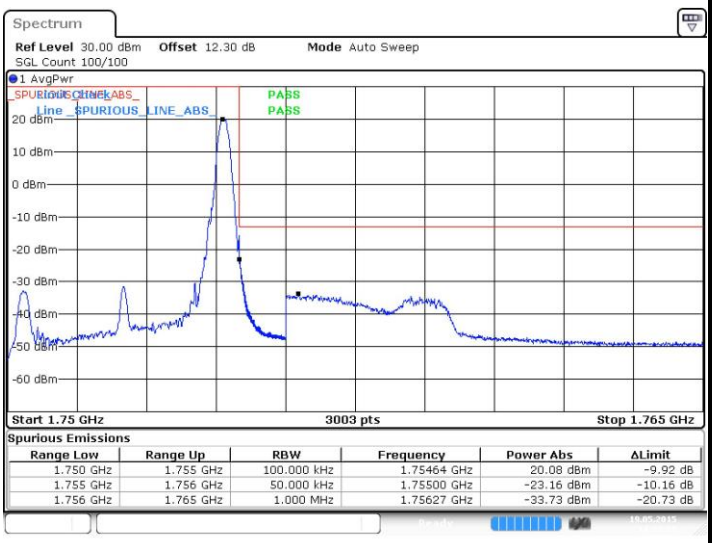


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70868 GHz	-33.53 dBm	-20.53 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-22.31 dBm	-9.31 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71031 GHz	20.52 dBm	-9.48 dB

Date: 19.MAY.2015 14:21:34

Highest Band Edge / 1 RB

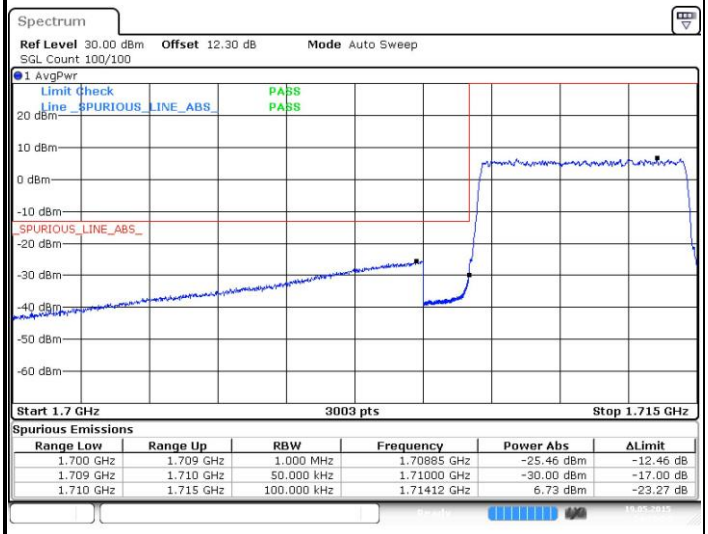


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75464 GHz	20.08 dBm	-9.92 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-23.16 dBm	-10.16 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75627 GHz	-33.73 dBm	-20.73 dB

Date: 19.MAY.2015 14:32:29

Lowest Band Edge / Full RB

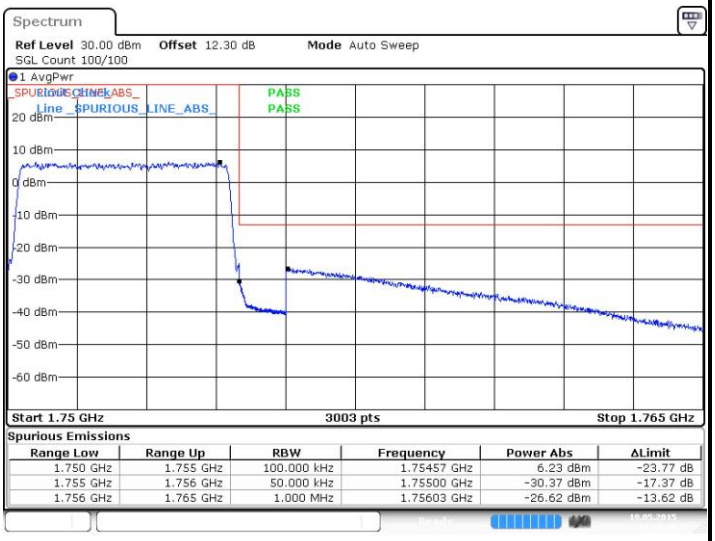


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70885 GHz	-25.46 dBm	-12.46 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-30.00 dBm	-17.00 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71412 GHz	6.73 dBm	-23.27 dB

Date: 19.MAY.2015 14:23:54

Highest Band Edge / Full RB



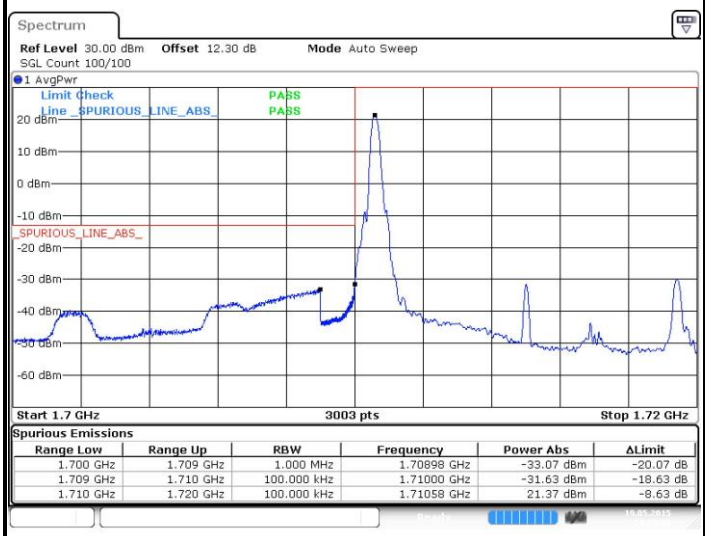
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75457 GHz	6.23 dBm	-23.77 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-30.37 dBm	-17.37 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-26.62 dBm	-13.62 dB

Date: 19.MAY.2015 14:34:48

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

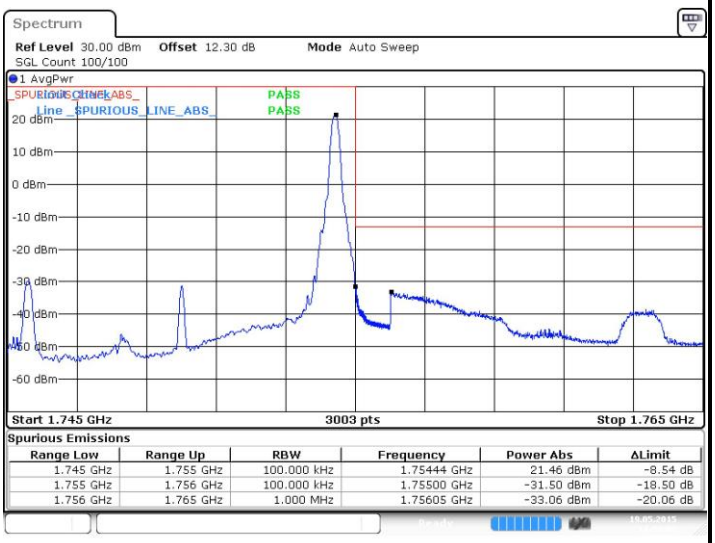


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-33.07 dBm	-20.07 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.63 dBm	-18.63 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	21.37 dBm	-8.63 dB

Date: 19.MAY.2015 14:39:09

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75444 GHz	21.46 dBm	-8.54 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-31.50 dBm	-18.50 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-33.06 dBm	-20.06 dB

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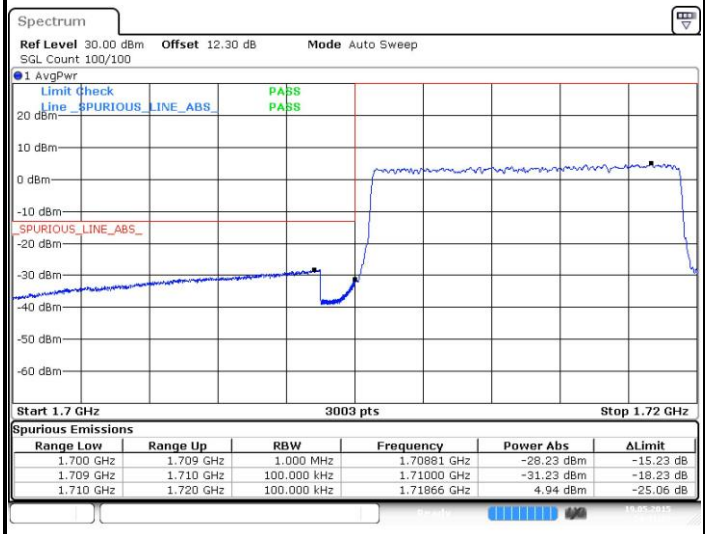
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70881 GHz	-28.23 dBm	-15.23 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.23 dBm	-18.23 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71866 GHz	4.94 dBm	-25.06 dB

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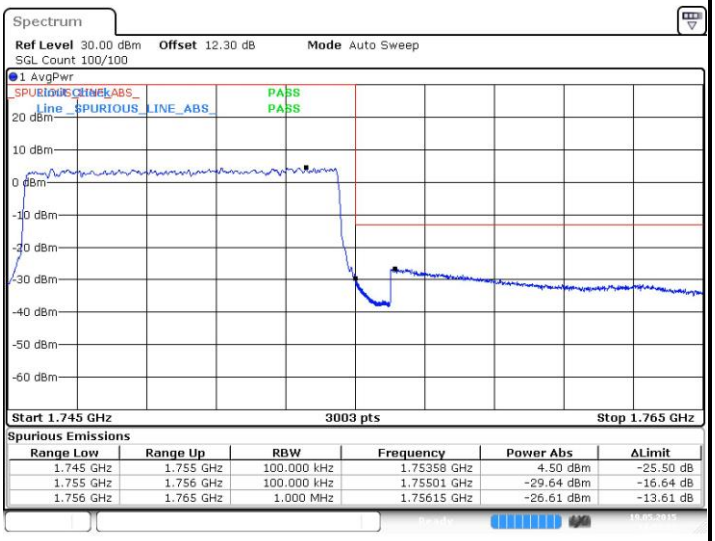
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75358 GHz	4.50 dBm	-25.50 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-29.64 dBm	-16.64 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-26.61 dBm	-13.61 dB

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