LTE Band 4

Conducted Output Power(Average power)

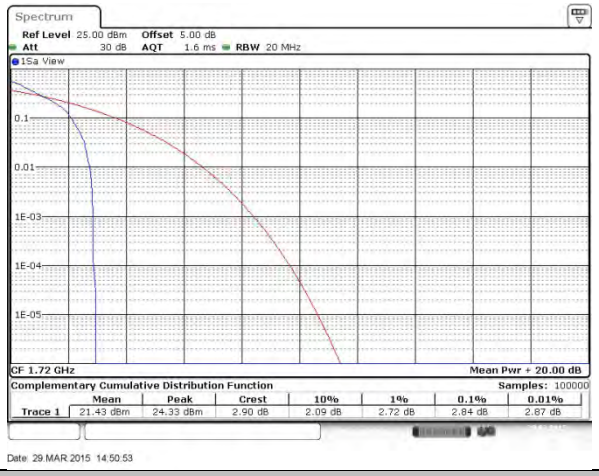
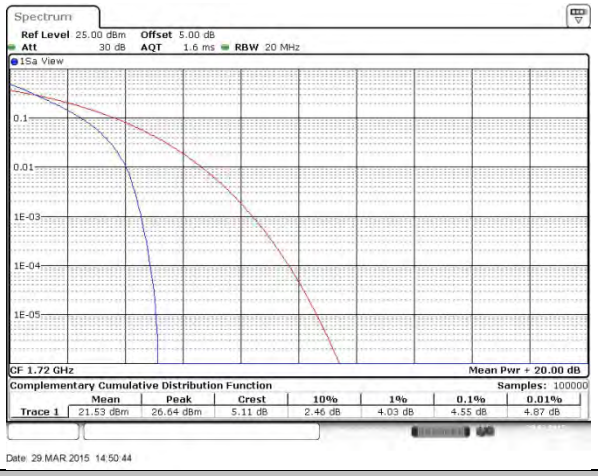
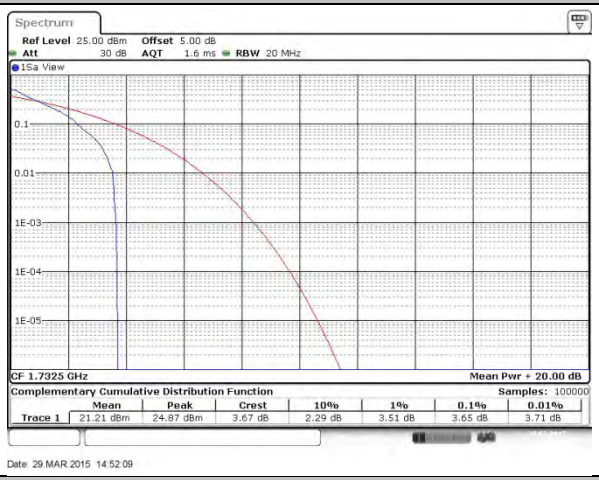
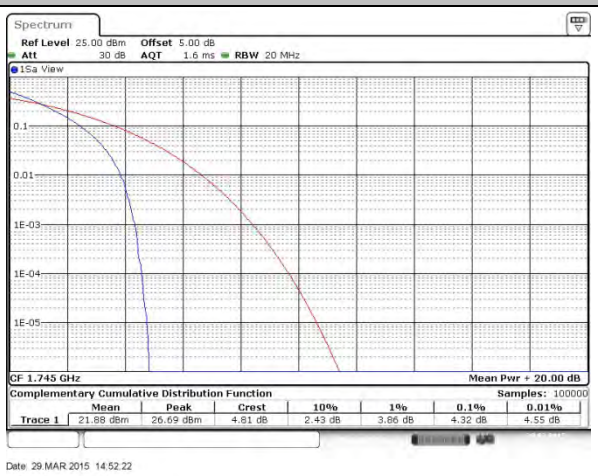
LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.33	23.42	23.20
1.4	1	2		23.41	23.56	23.31
1.4	1	5		23.41	23.44	23.15
1.4	3	0		23.57	23.52	23.23
1.4	3	1		23.56	23.49	23.34
1.4	3	2		23.49	23.54	23.35
1.4	6	0		22.54	22.58	22.41
1.4	1	0	16-QAM	22.41	22.62	22.24
1.4	1	2		22.87	22.78	22.57
1.4	1	5		22.81	22.76	22.72
1.4	3	0		22.38	22.72	22.31
1.4	3	1		22.45	22.69	22.36
1.4	3	2		22.62	22.71	22.45
1.4	6	0		21.60	21.32	21.39
3	1	0	QPSK	23.47	23.49	23.39
3	1	7		23.53	23.33	23.20
3	1	14		23.56	23.73	23.40
3	8	0		22.48	22.53	22.37
3	8	4		22.48	22.49	22.24
3	8	7		22.48	22.56	22.35
3	15	0		22.48	22.49	22.45
3	1	0	16-QAM	22.74	22.46	22.53
3	1	7		22.49	22.55	22.78
3	1	14		22.65	22.79	22.30
3	8	0		21.46	21.32	21.57
3	8	4		21.36	21.41	21.52
3	8	7		21.33	21.55	21.54
3	15	0		21.29	21.48	21.54

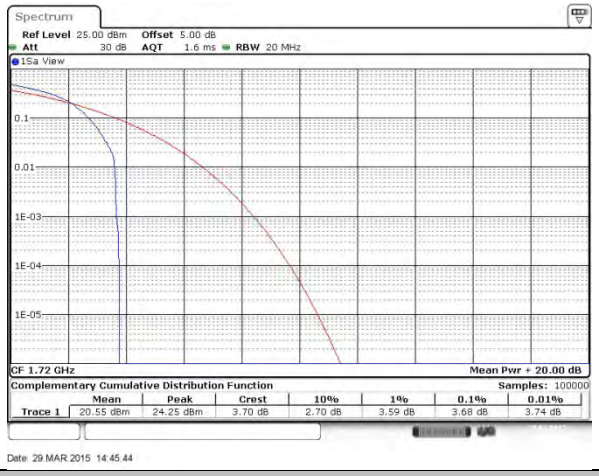
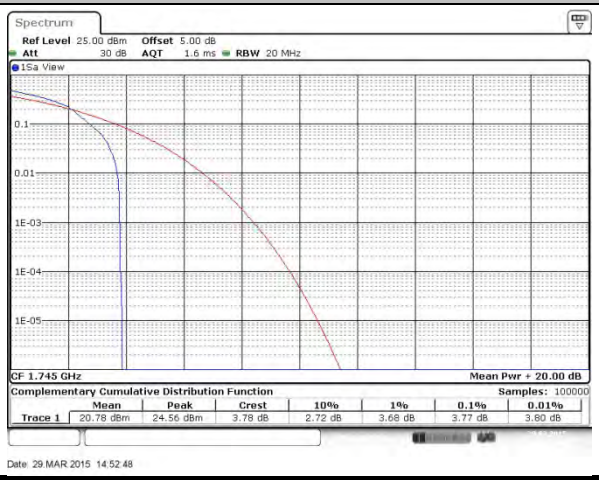
LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.46	23.51	23.41
5	1	12		23.70	23.40	23.29
5	1	24		23.34	23.64	23.03
5	12	0		22.41	22.43	22.33
5	12	6		22.42	22.49	22.35
5	12	11		22.45	22.49	22.34
5	25	0		22.45	22.50	22.32
5	1	0	16-QAM	22.55	22.62	22.67
5	1	12		22.58	22.53	22.64
5	1	24		22.55	22.71	22.59
5	12	0		21.52	21.46	21.24
5	12	6		21.41	21.36	21.27
5	12	11		21.43	21.40	21.33
5	25	0		21.42	21.38	21.26
10	1	0	QPSK	23.59	23.48	23.51
10	1	24		23.60	23.33	23.28
10	1	49		23.21	23.53	23.20
10	25	0		22.53	22.59	22.51
10	25	12		22.47	22.51	22.30
10	25	24		22.31	22.56	22.29
10	50	0		22.43	22.53	22.36
10	1	0	16-QAM	22.58	22.79	22.61
10	1	24		22.60	22.38	22.82
10	1	49		22.58	22.69	22.43
10	25	0		21.59	21.50	21.35
10	25	12		21.39	21.55	21.25
10	25	24		21.34	21.58	21.29
10	50	0		21.58	21.53	21.29

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.71	23.56	23.52
15	1	37		23.36	23.44	23.37
15	1	74		23.19	23.49	23.17
15	36	0		22.48	22.51	22.59
15	36	18		22.47	22.49	22.47
15	36	37		22.29	22.56	22.27
15	75	0		22.40	22.53	22.46
15	1	0	16-QAM	22.72	22.86	22.77
15	1	37		22.63	22.42	22.91
15	1	74		22.64	22.77	22.81
15	36	0		21.43	21.50	21.44
15	36	18		21.48	21.49	21.45
15	36	37		21.24	21.62	21.34
15	75	0		21.39	21.47	21.43
20	1	0	QPSK	23.82	23.67	23.69
20	1	49		23.36	23.49	23.59
20	1	99		23.47	23.40	23.21
20	50	0		22.54	22.46	22.53
20	50	24		22.30	22.42	22.46
20	50	49		22.28	22.43	22.28
20	100	0		22.52	22.51	22.46
20	1	0	16-QAM	22.77	22.85	22.92
20	1	49		22.69	22.75	22.87
20	1	99		22.68	22.55	22.60
20	50	0		21.47	21.50	21.62
20	50	24		21.15	21.44	21.42
20	50	49		21.12	21.43	21.15
20	100	0		21.37	21.48	21.33

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	2.84	4.55	3.68	5.45	PASS
Middle CH	3.65	4.32	4.58	5.39	
Highest CH	3.22	4.32	3.77	5.33	

LTE Band 4 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

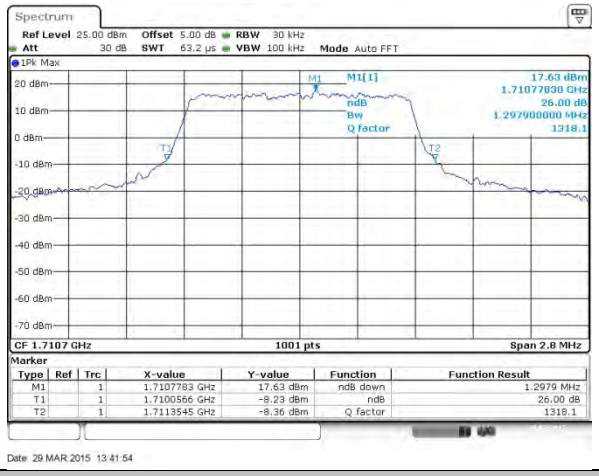
LTE Band 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

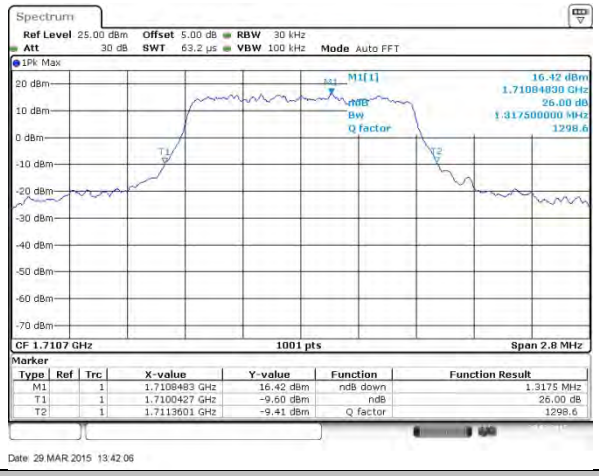
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.3	1.32	3.06	3.06	5.05	5.05	10.13	9.99	14.62	14.71	20.5	20.46
Middle CH	1.29	1.31	3.05	3.07	5.05	5.04	10.15	9.83	14.6	14.78	20.38	20.3
Highest CH	1.29	1.31	3.05	3.06	5.07	5.05	10.13	10.07	14.71	14.78	20.26	20.26

LTE Band 4

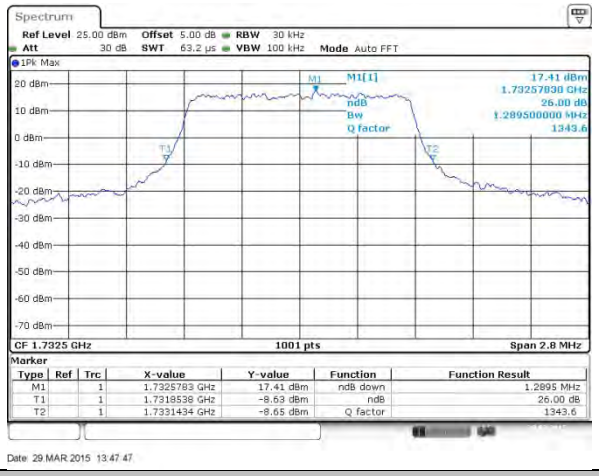
Lowest Channel / 1.4MHz / QPSK



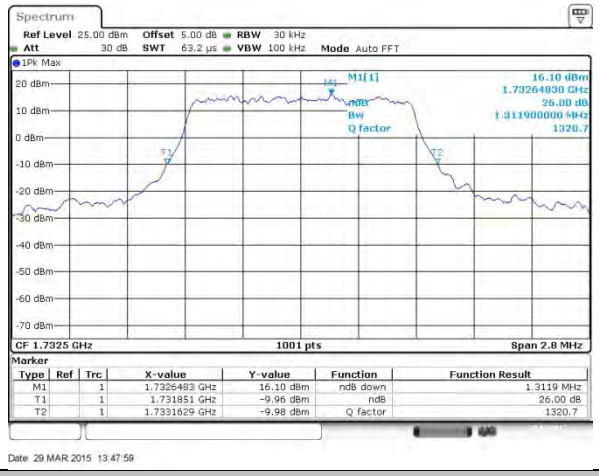
Lowest Channel / 1.4MHz / 16QAM



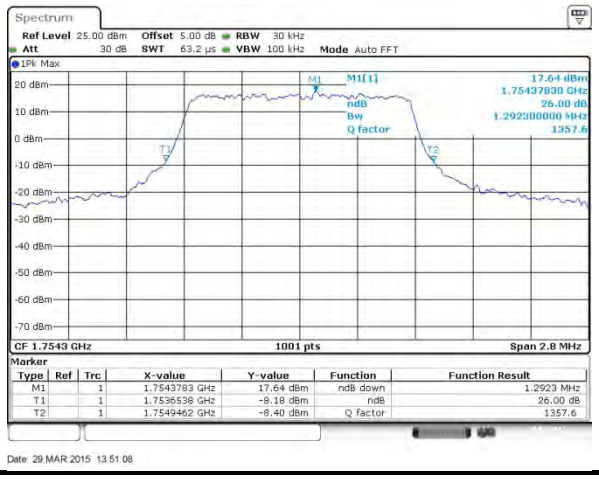
Middle Channel / 1.4MHz / QPSK



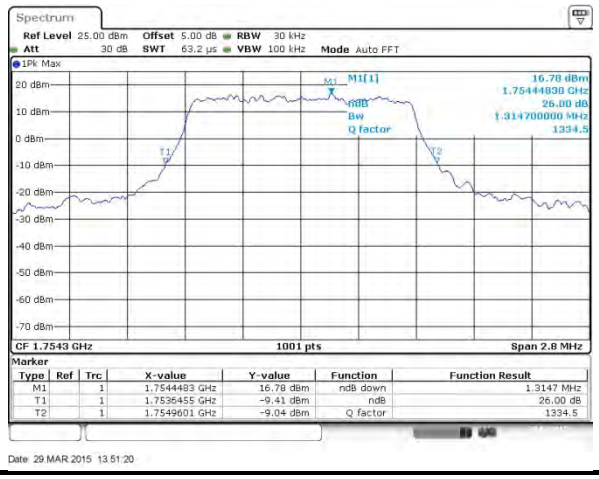
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

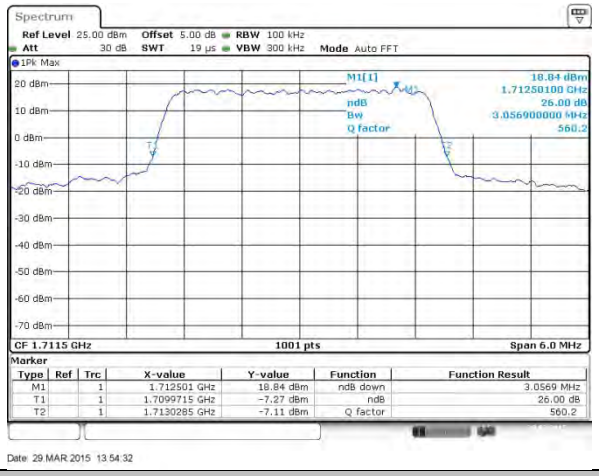


Highest Channel / 1.4MHz / 16QAM

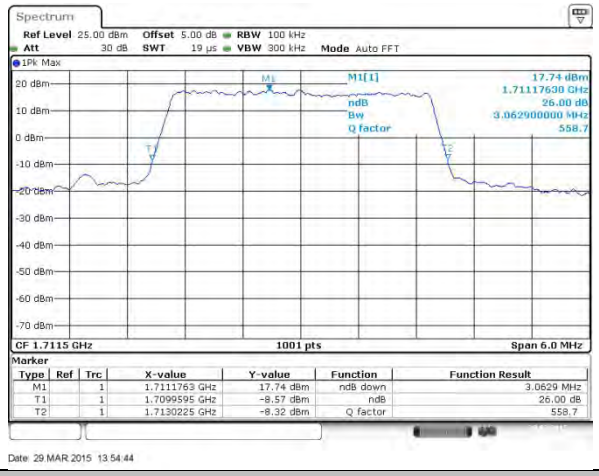


LTE Band 4

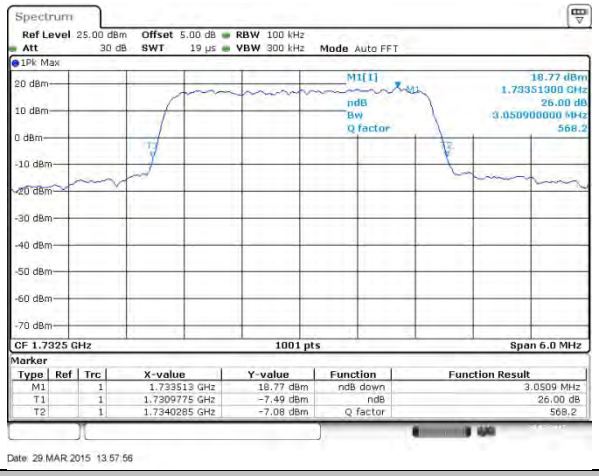
Lowest Channel / 3MHz / QPSK



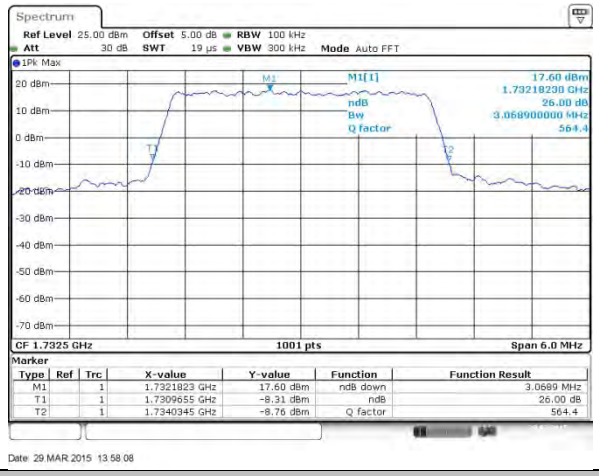
Lowest Channel / 3MHz / 16QAM



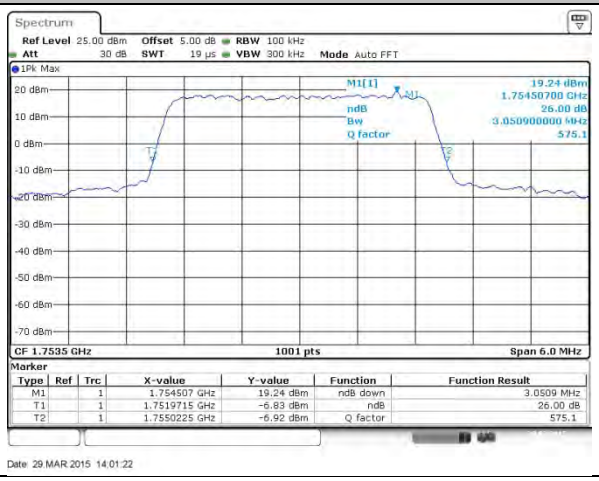
Middle Channel / 3MHz / QPSK



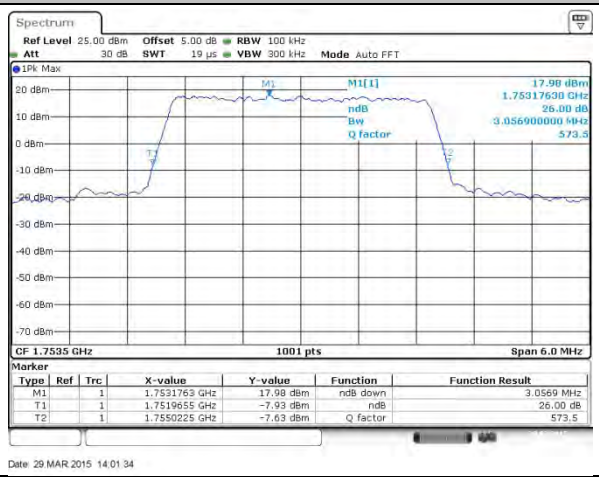
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

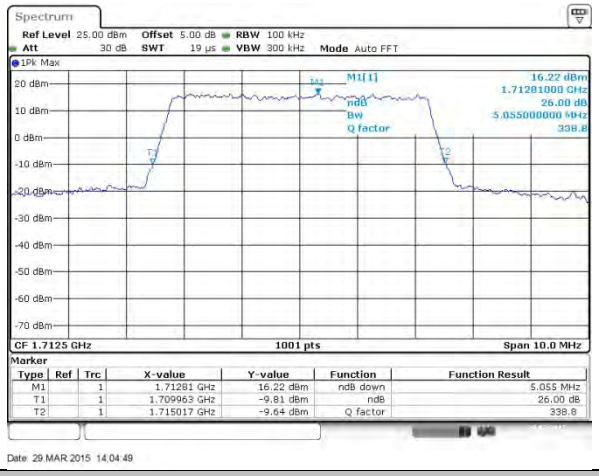


Highest Channel /3MHz / 16QAM

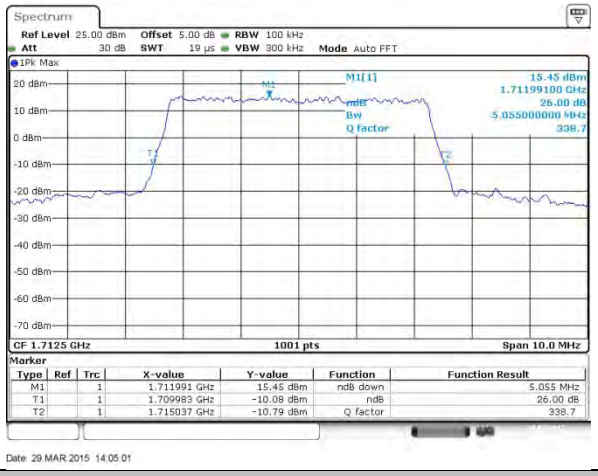


LTE Band 4

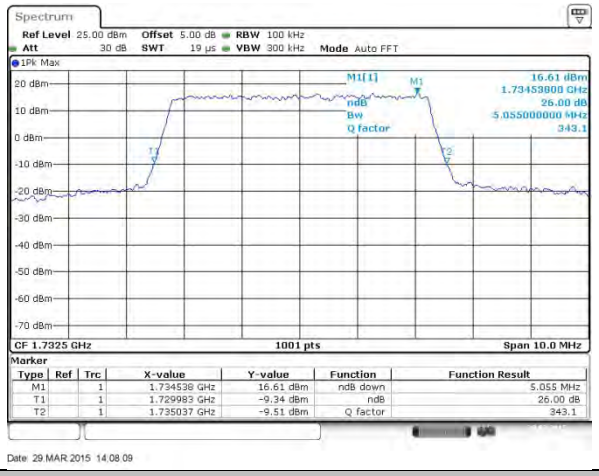
Lowest Channel / 5MHz / QPSK



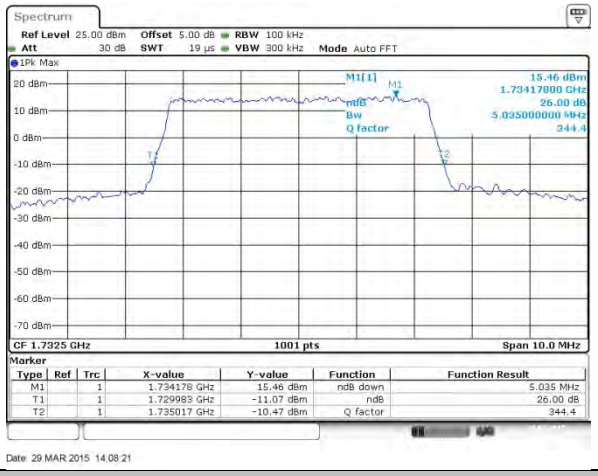
Lowest Channel / 5MHz / 16QAM



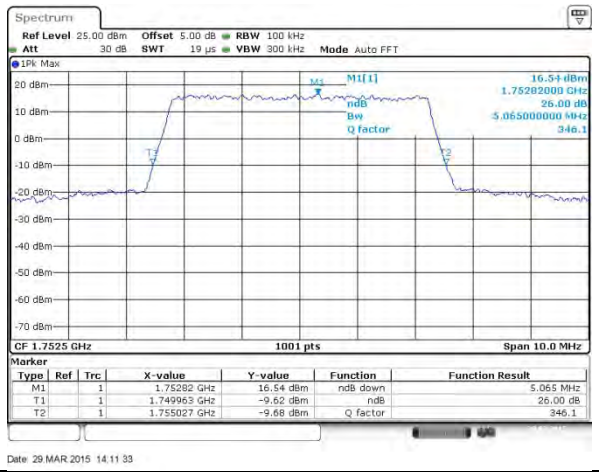
Middle Channel / 5MHz / QPSK



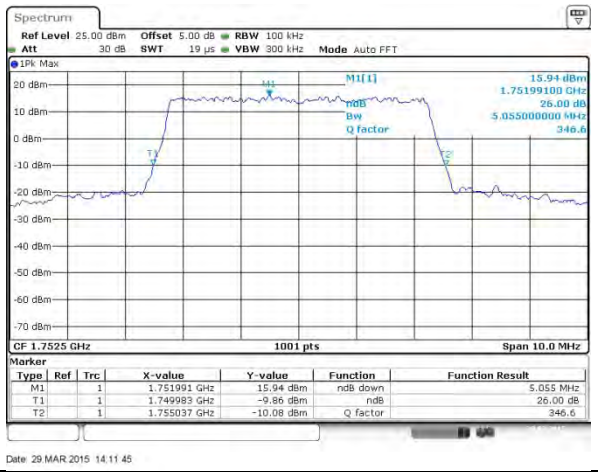
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

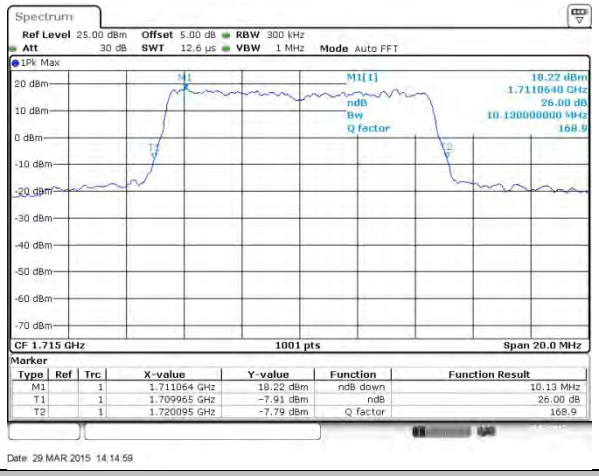


Highest Channel / 5MHz / 16QAM

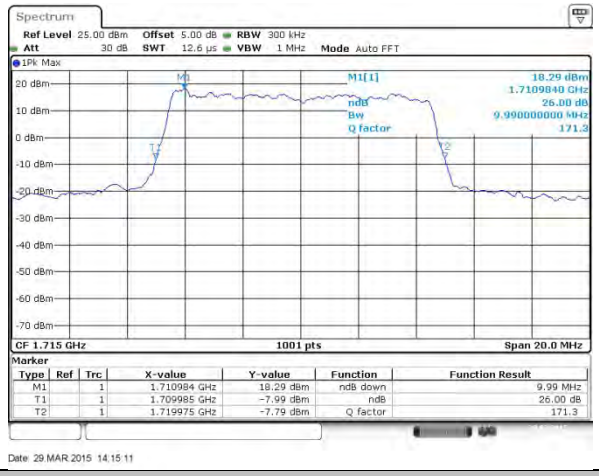


LTE Band 4

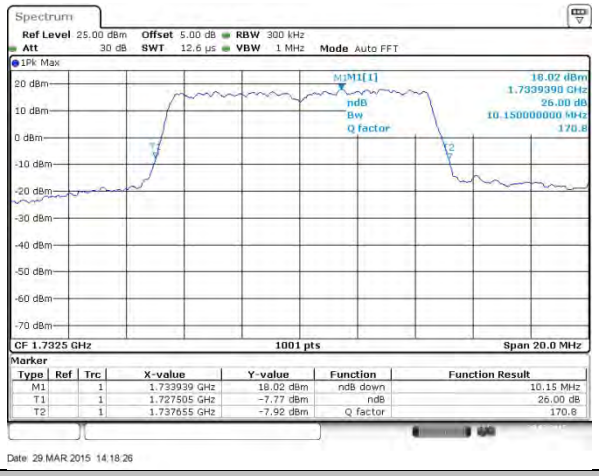
Lowest Channel / 10MHz / QPSK



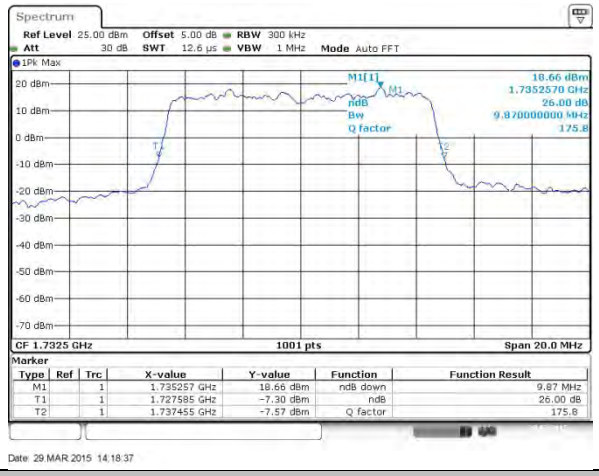
Lowest Channel / 10MHz / 16QAM



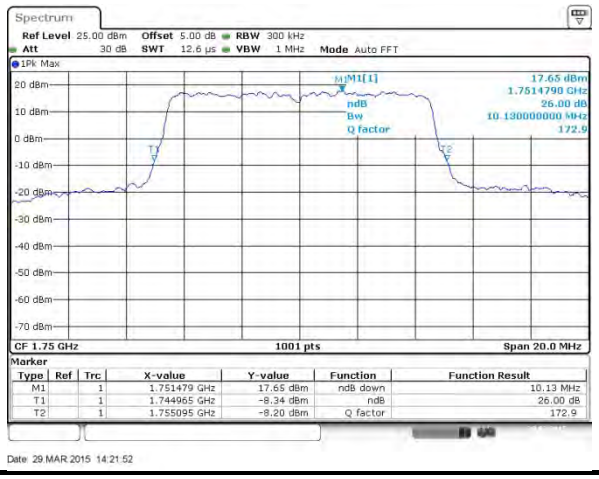
Middle Channel / 10MHz / QPSK



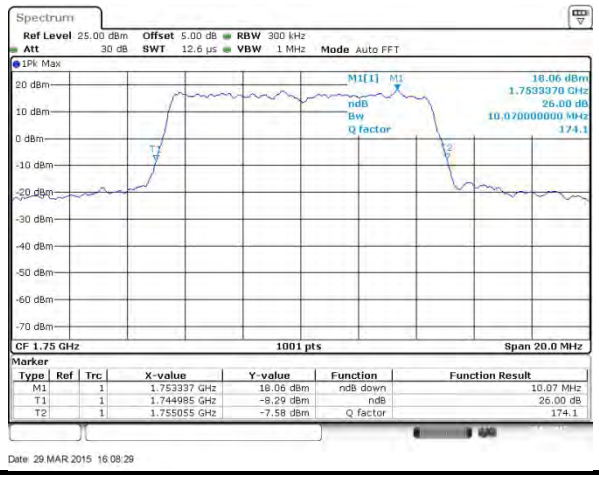
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

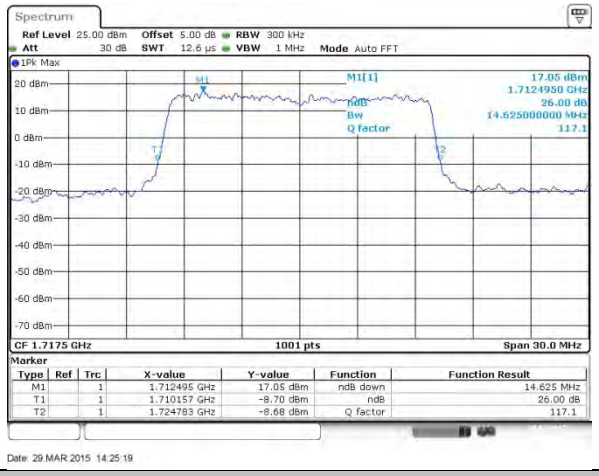


Highest Channel / 10MHz / 16QAM

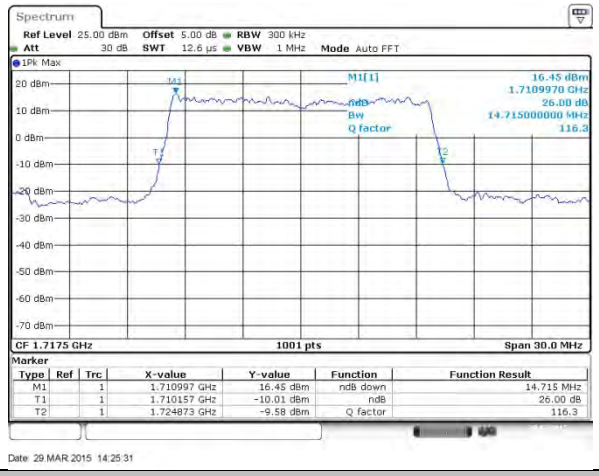


LTE Band 4

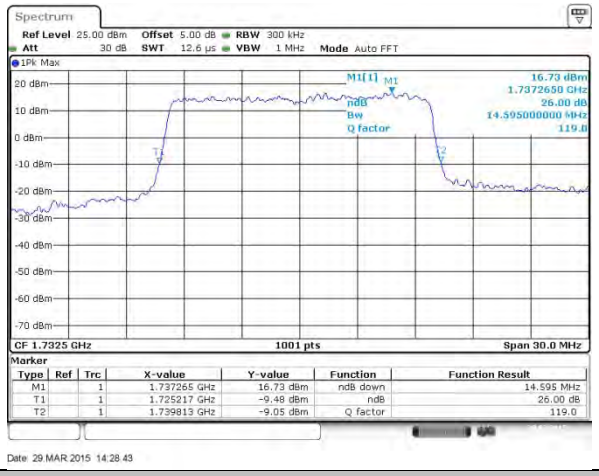
Lowest Channel / 15MHz / QPSK



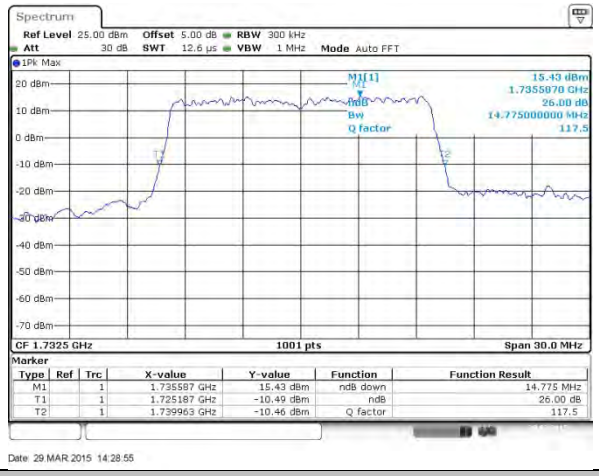
Lowest Channel / 15MHz / 16QAM



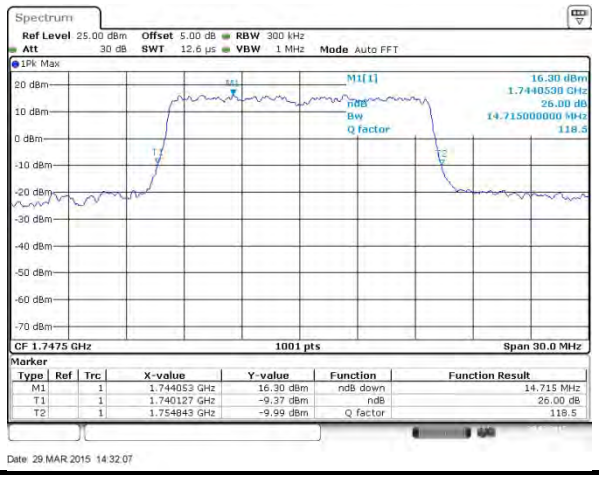
Middle Channel / 15MHz / QPSK



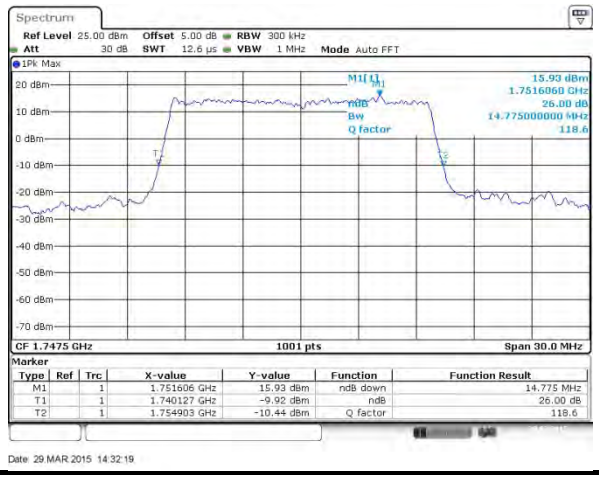
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

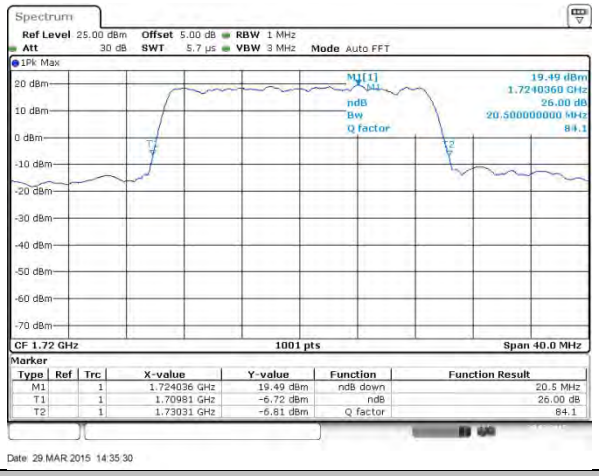


Highest Channel / 15MHz / 16QAM

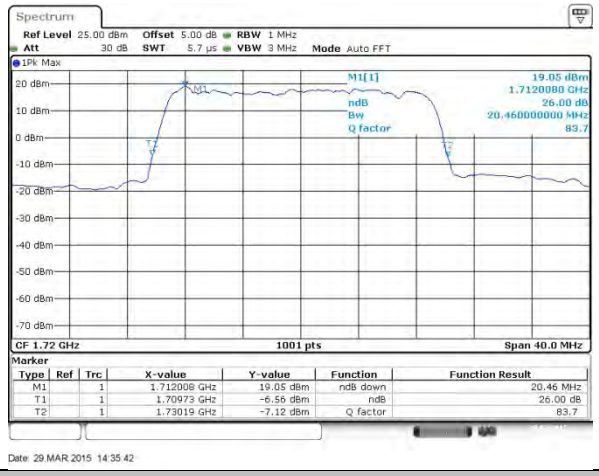


LTE Band 4

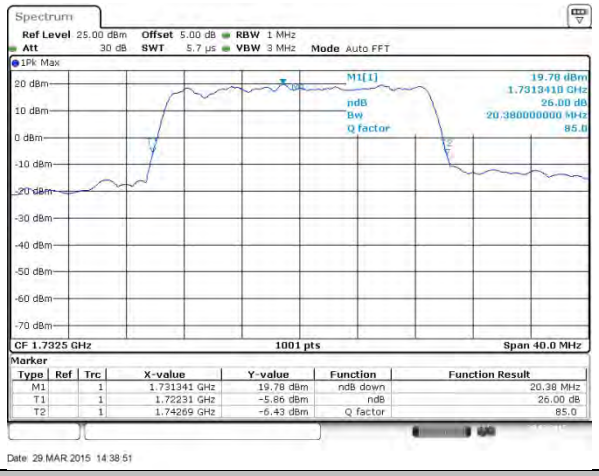
Lowest Channel / 20MHz / QPSK



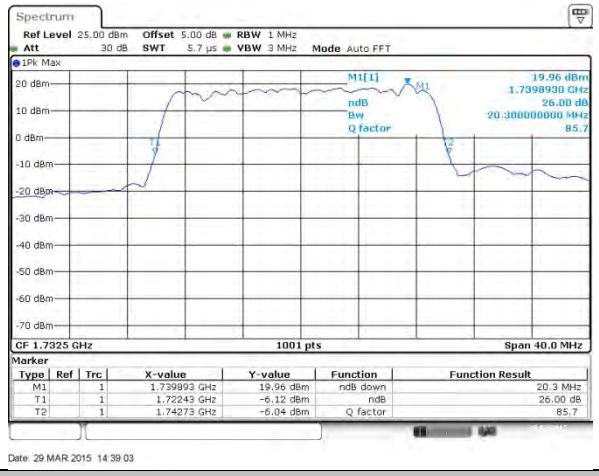
Lowest Channel / 20MHz / 16QAM



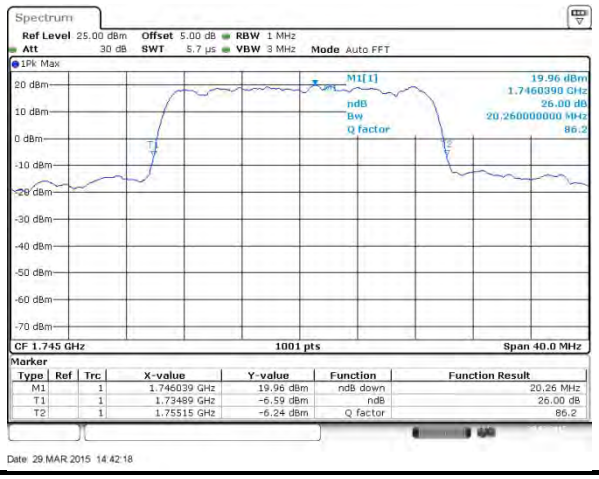
Middle Channel / 20MHz / QPSK



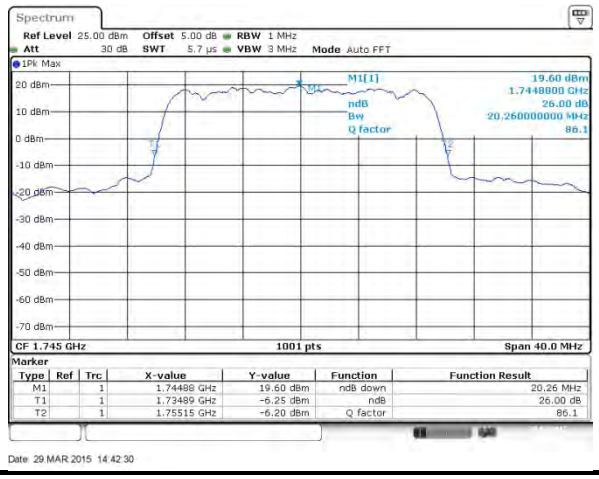
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

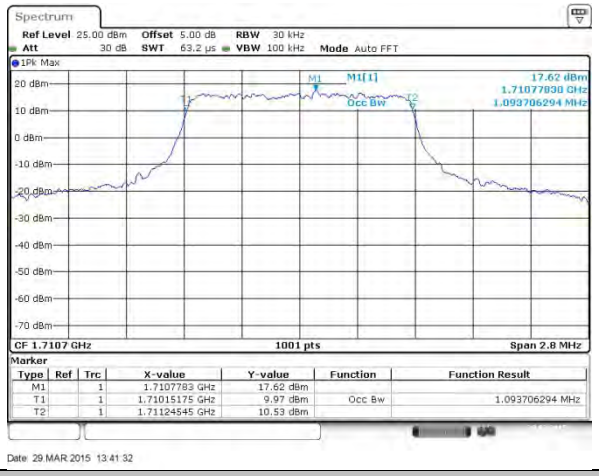


Occupied Bandwidth

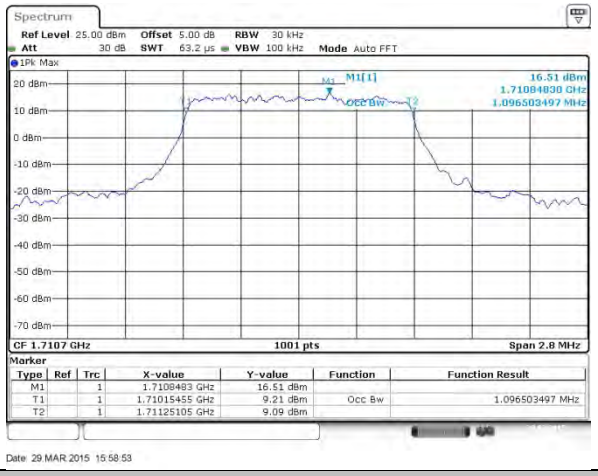
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.73	2.73	4.51	4.51	9.09	9.03	13.49	13.46	18.46	18.54
Middle CH	1.1	1.1	2.73	2.73	4.52	4.5	9.07	9.01	13.46	13.49	18.34	18.26
Highest CH	1.09	1.1	2.73	2.73	4.51	4.51	9.05	9.03	13.43	13.46	18.34	18.38

LTE Band 4

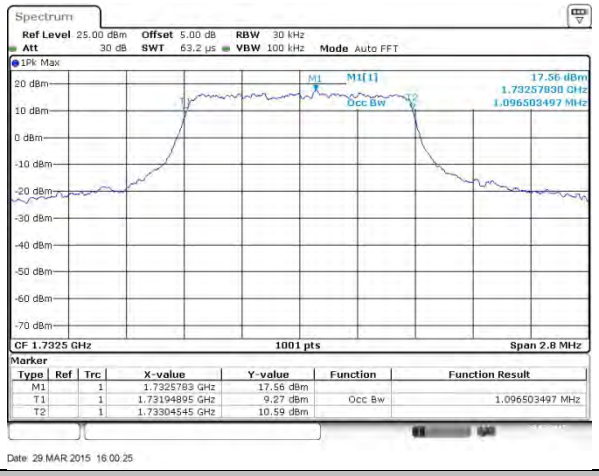
Lowest Channel / 1.4MHz / QPSK



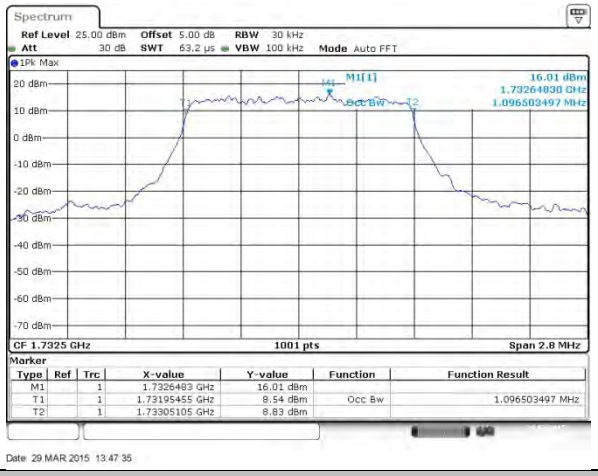
Lowest Channel / 1.4MHz / 16QAM



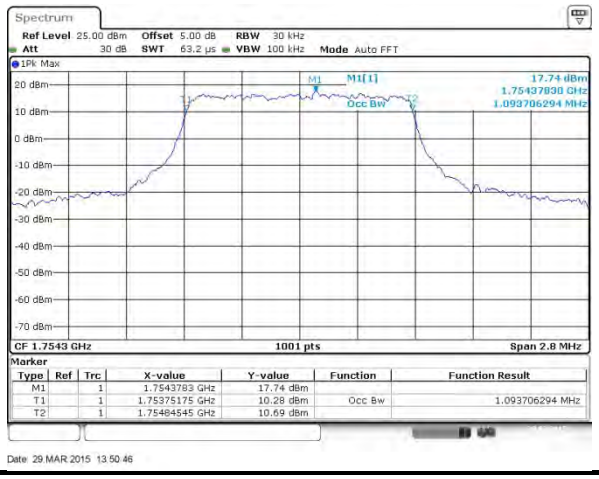
Middle Channel / 1.4MHz / QPSK



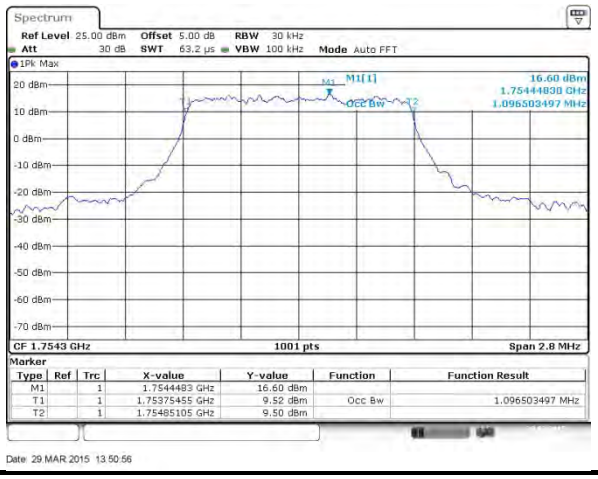
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

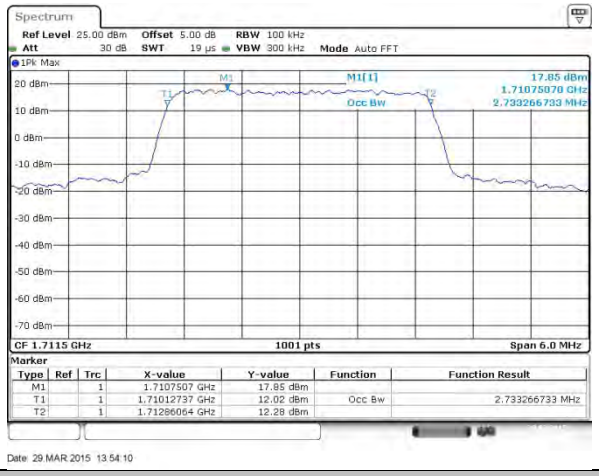


Highest Channel / 1.4MHz / 16QAM

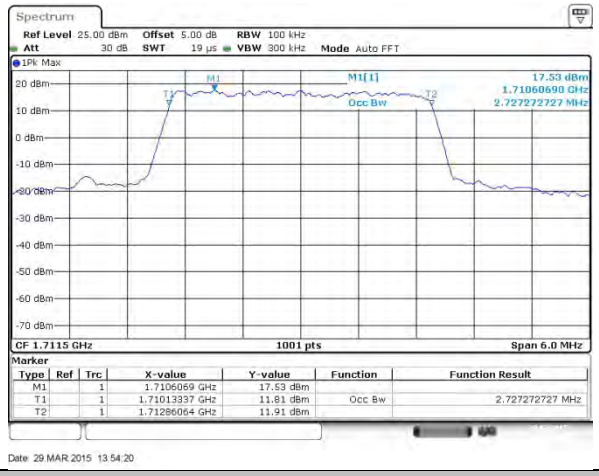


LTE Band 4

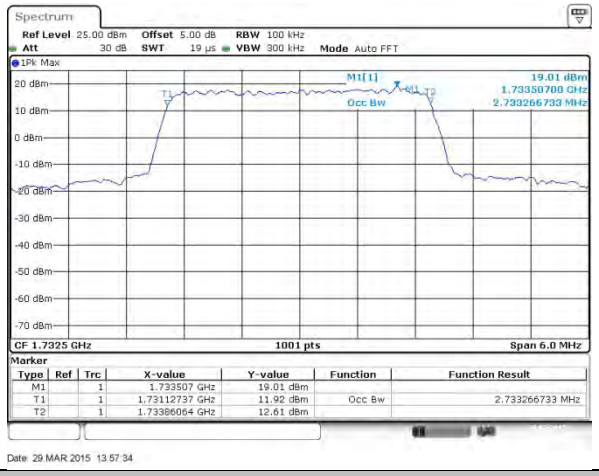
Lowest Channel / 3MHz / QPSK



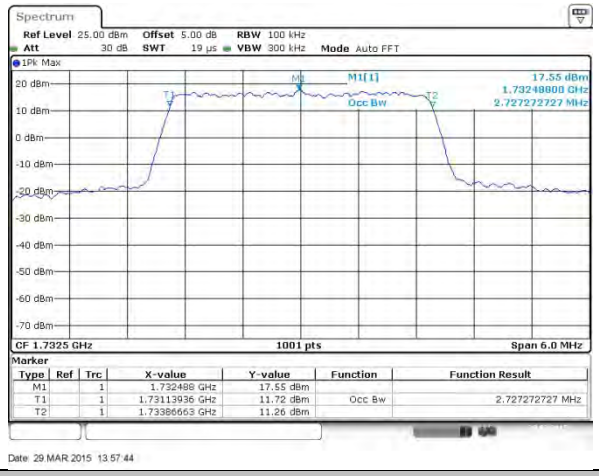
Lowest Channel / 3MHz / 16QAM



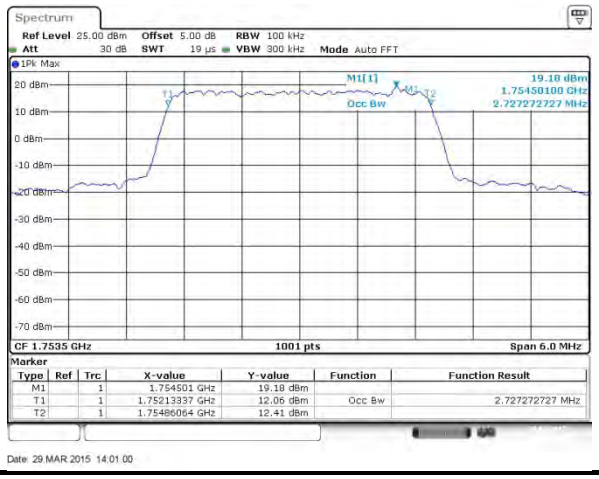
Middle Channel / 3MHz / QPSK



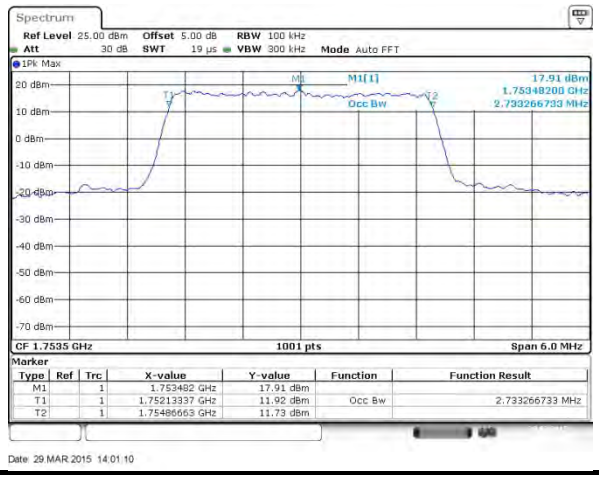
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

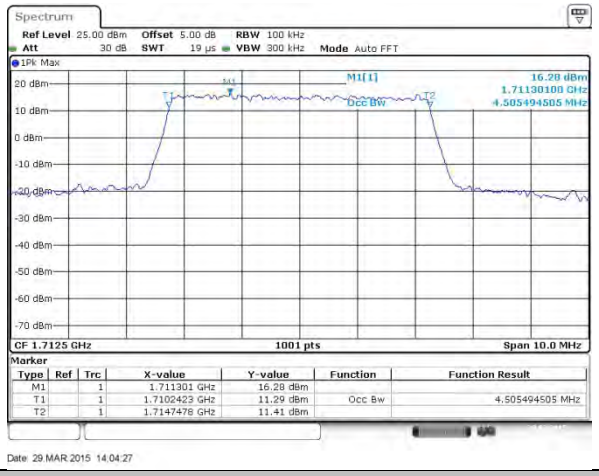


Highest Channel / 3MHz / 16QAM

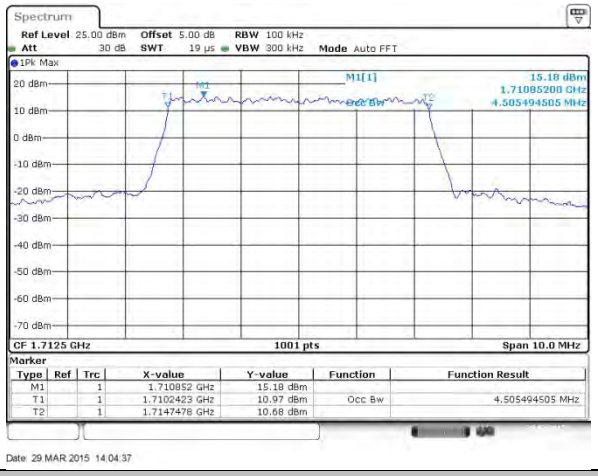


LTE Band 4

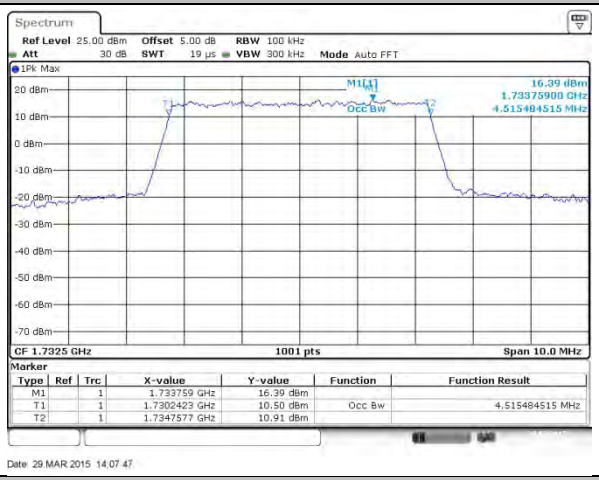
Lowest Channel / 5MHz / QPSK



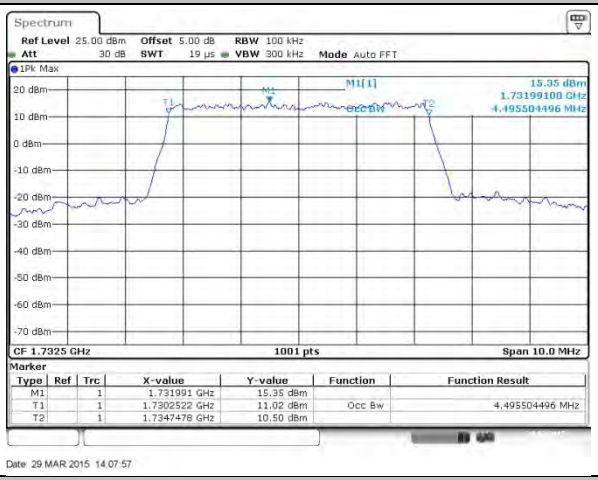
Lowest Channel / 5MHz / 16QAM



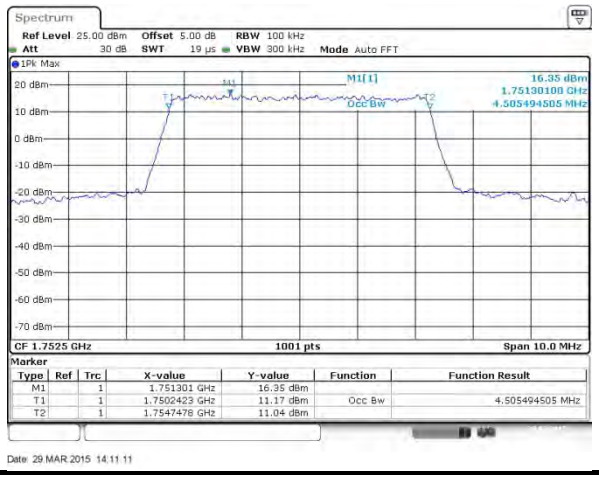
Middle Channel / 5MHz / QPSK



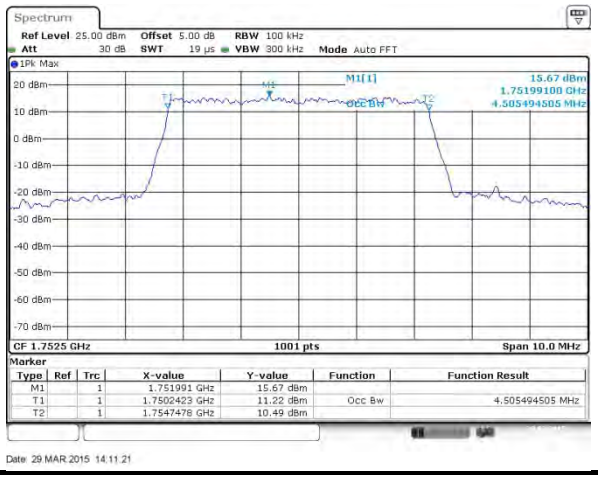
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

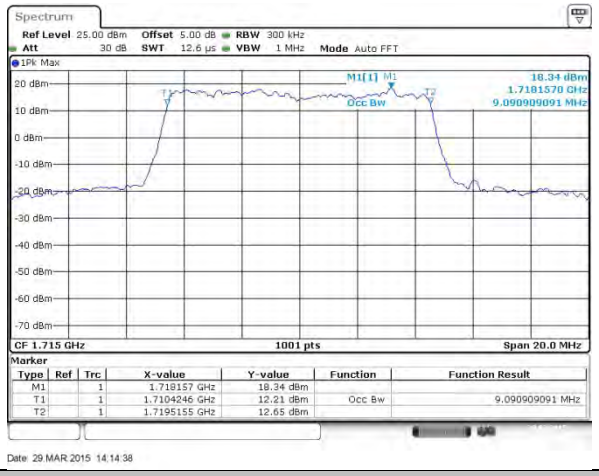


Highest Channel / 5MHz / 16QAM

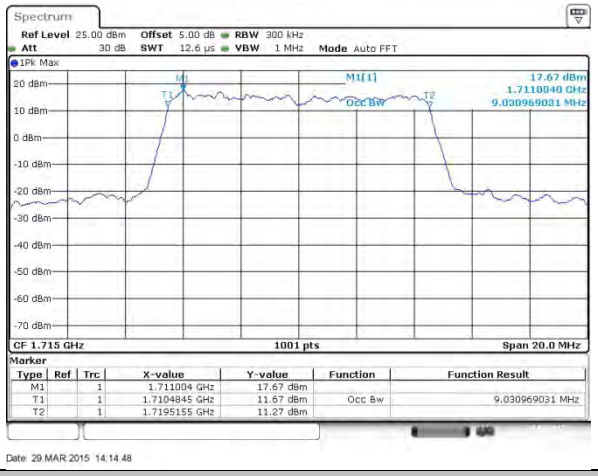


LTE Band 4

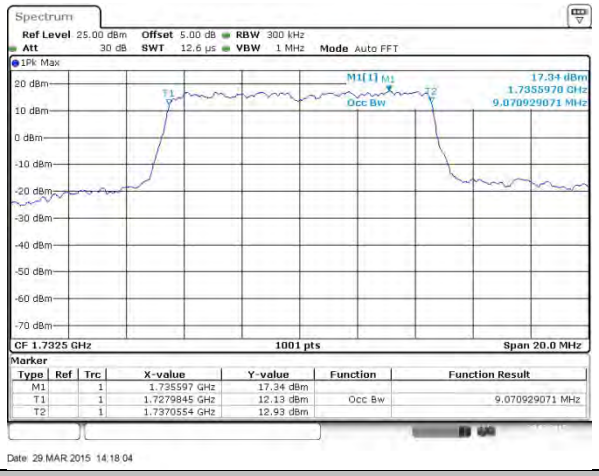
Lowest Channel / 10MHz / QPSK



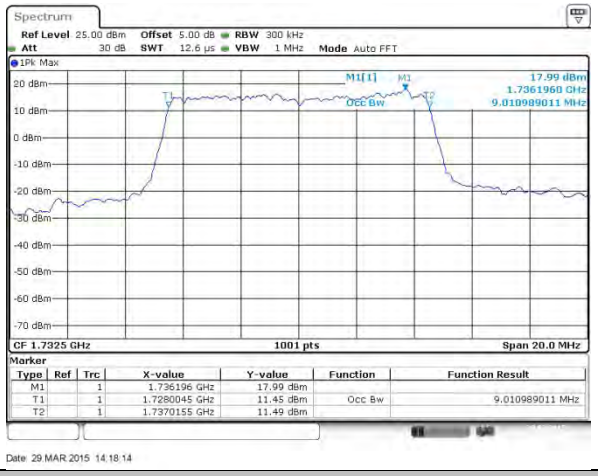
Lowest Channel / 10MHz / 16QAM



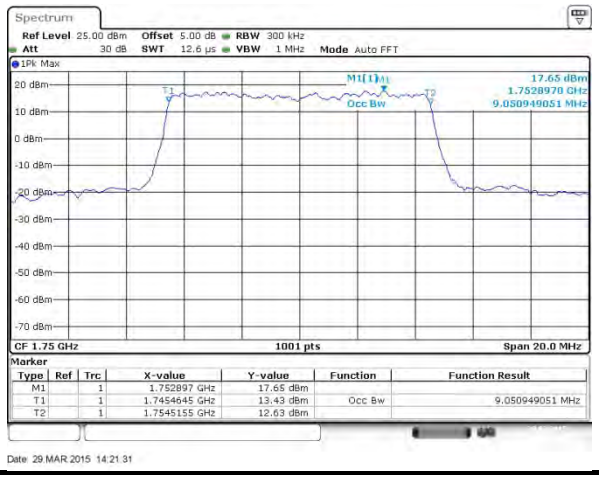
Middle Channel / 10MHz / QPSK



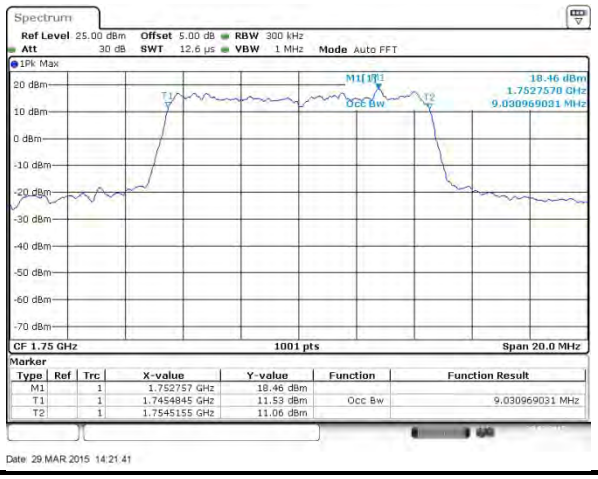
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

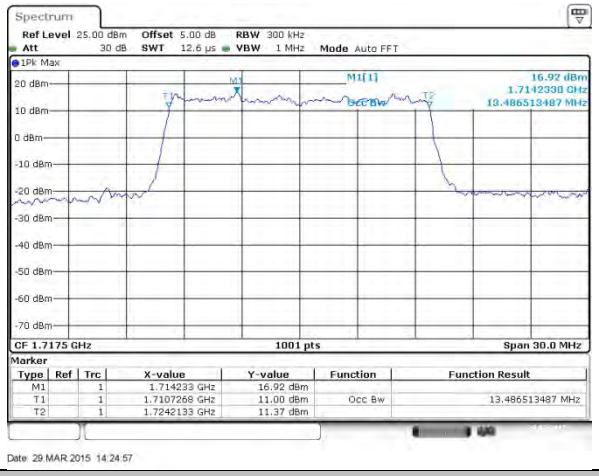


Highest Channel / 10MHz / 16QAM

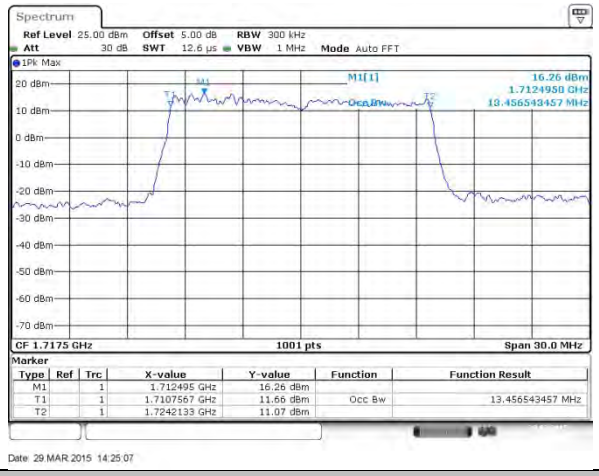


LTE Band 4

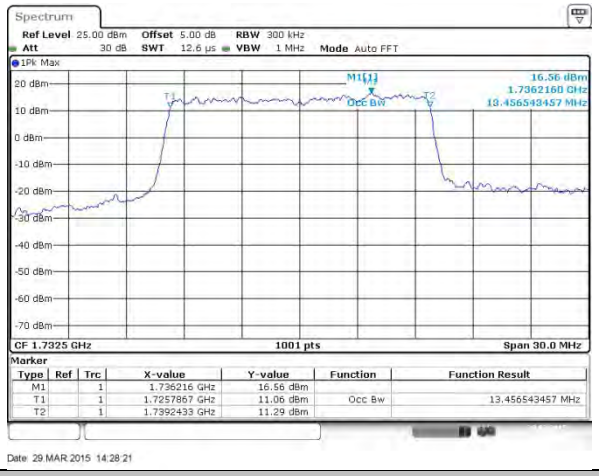
Lowest Channel / 15MHz / QPSK



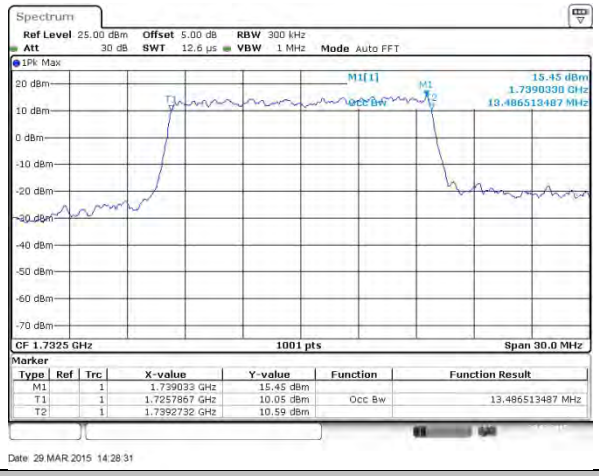
Lowest Channel / 15MHz / 16QAM



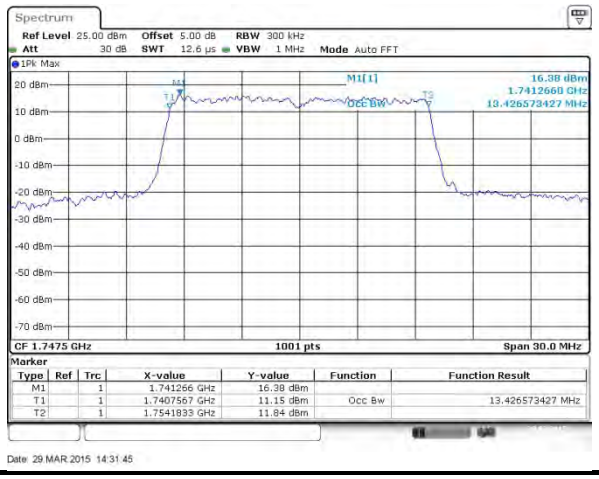
Middle Channel / 15MHz / QPSK



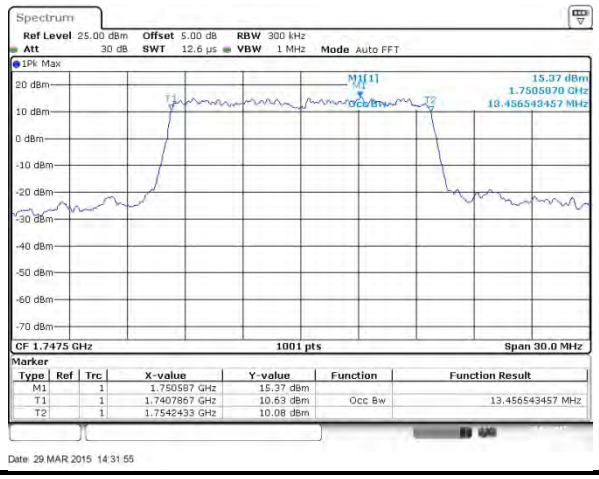
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

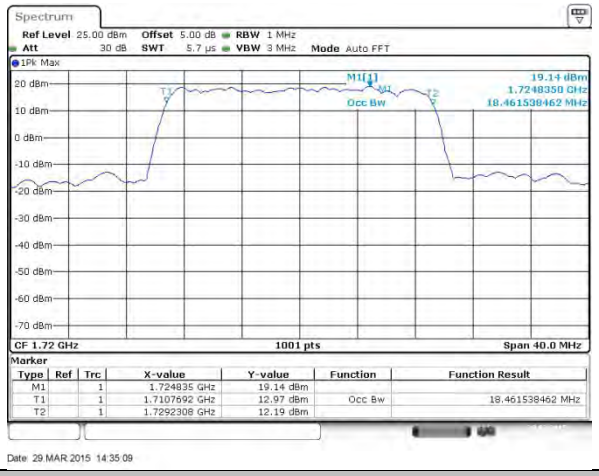


Highest Channel / 15MHz / 16QAM

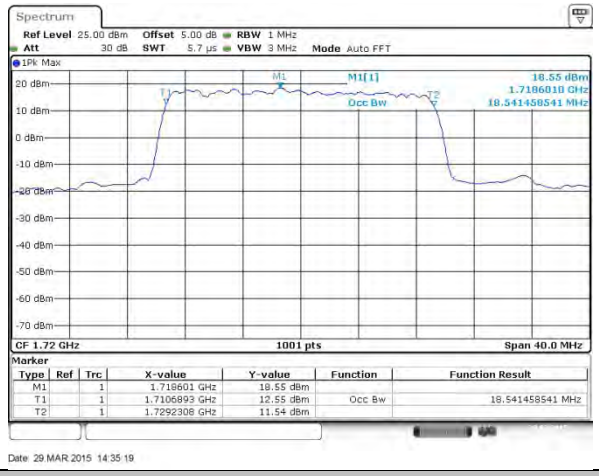


LTE Band 4

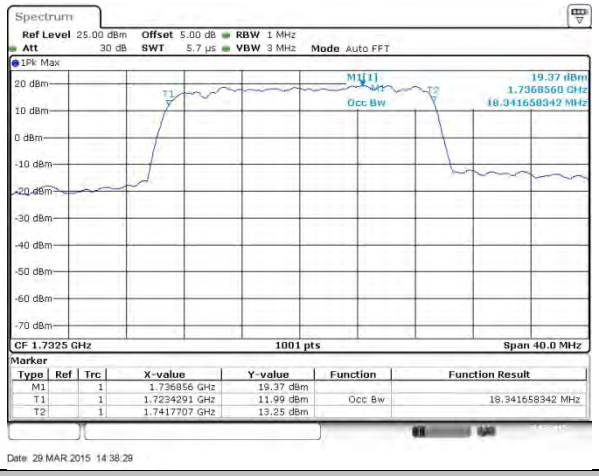
Lowest Channel / 20MHz / QPSK



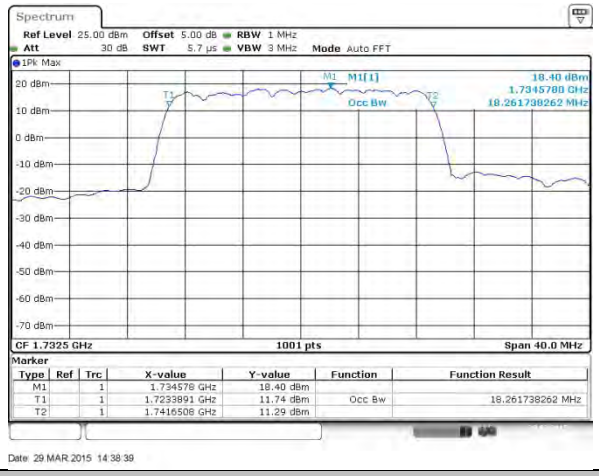
Lowest Channel / 20MHz / 16QAM



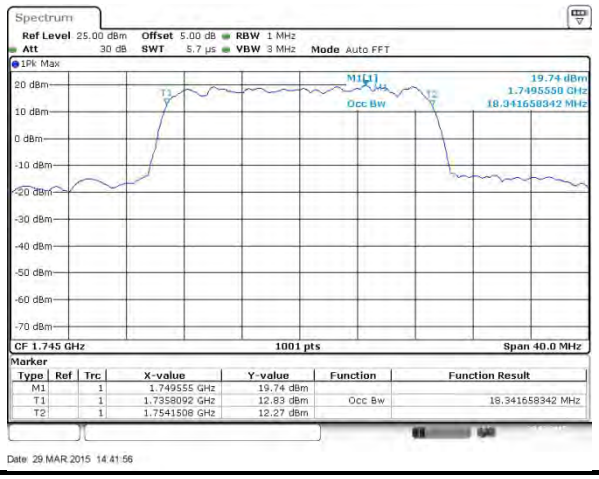
Middle Channel / 20MHz / QPSK



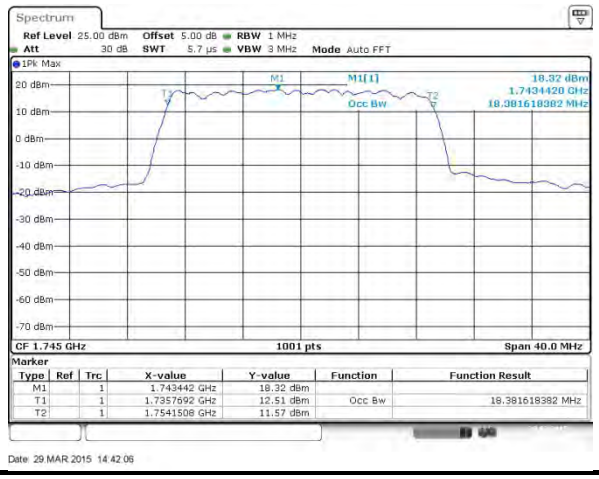
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



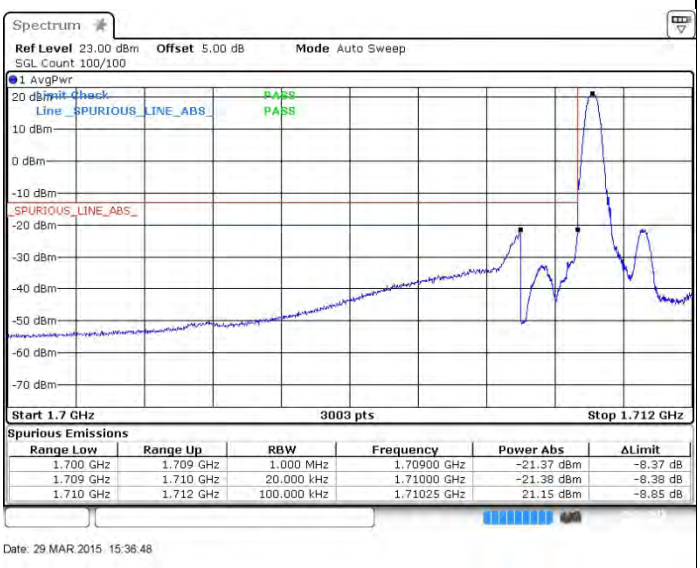
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

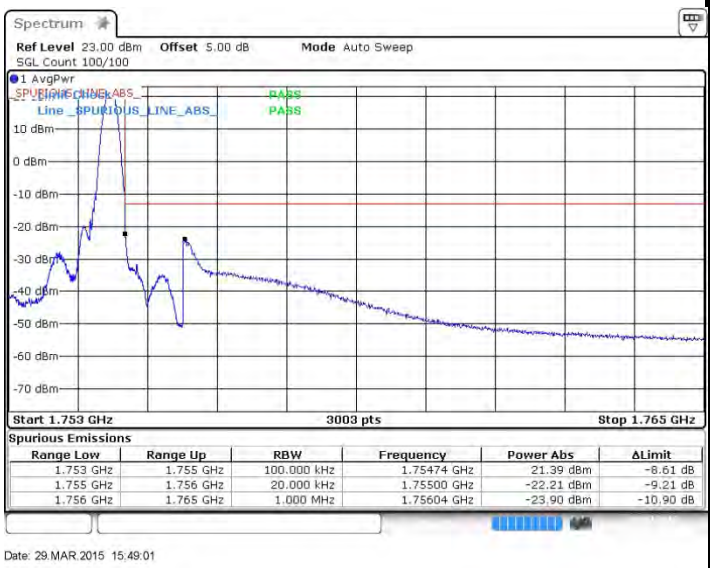


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-21.37 dBm	-8.37 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-21.38 dBm	-8.38 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	21.15 dBm	-8.85 dB

Date: 29.MAR.2015 15:36:48

Highest Band Edge / 1RB

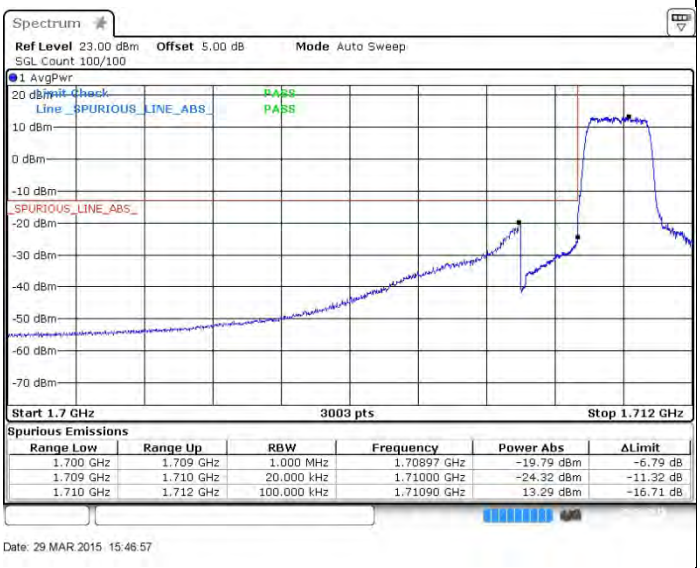


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	21.39 dBm	-8.61 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-22.21 dBm	-9.21 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-23.90 dBm	-10.90 dB

Date: 29.MAR.2015 15:49:01

Lowest Band Edge / Full RB

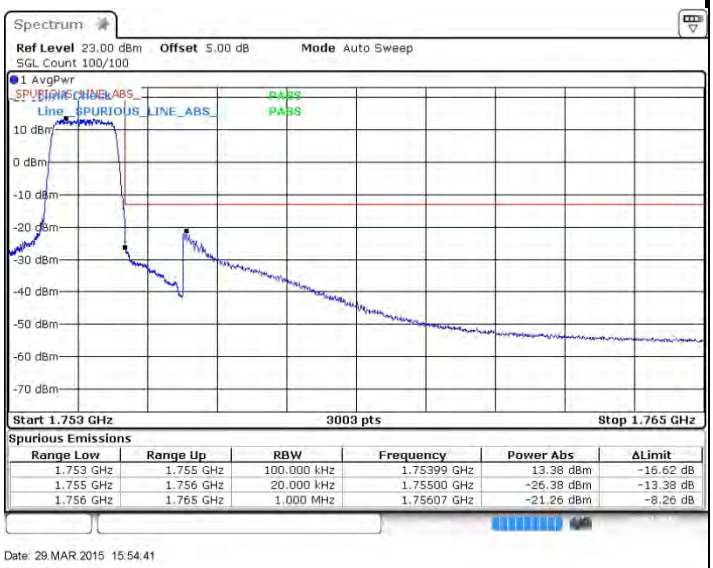


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-19.79 dBm	-6.79 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-24.32 dBm	-11.32 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71090 GHz	13.29 dBm	-16.71 dB

Date: 29.MAR.2015 15:46:57

Highest Band Edge / Full RB



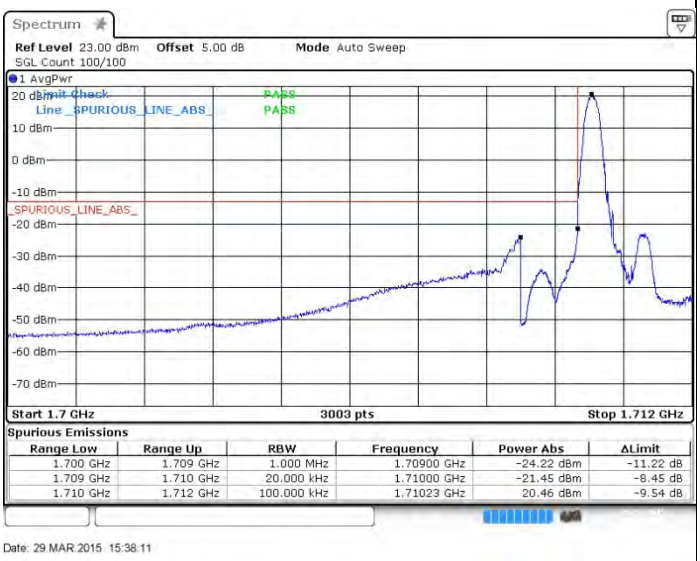
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75399 GHz	13.38 dBm	-16.62 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-26.38 dBm	-13.38 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-21.26 dBm	-8.26 dB

Date: 29.MAR.2015 15:54:41

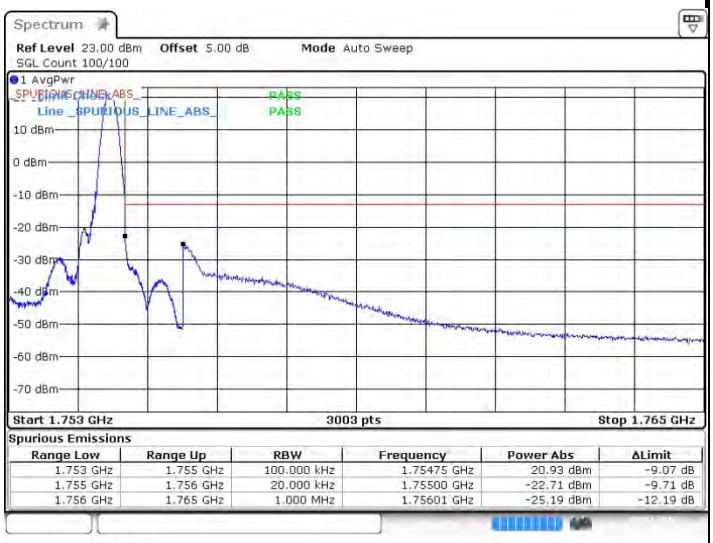
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



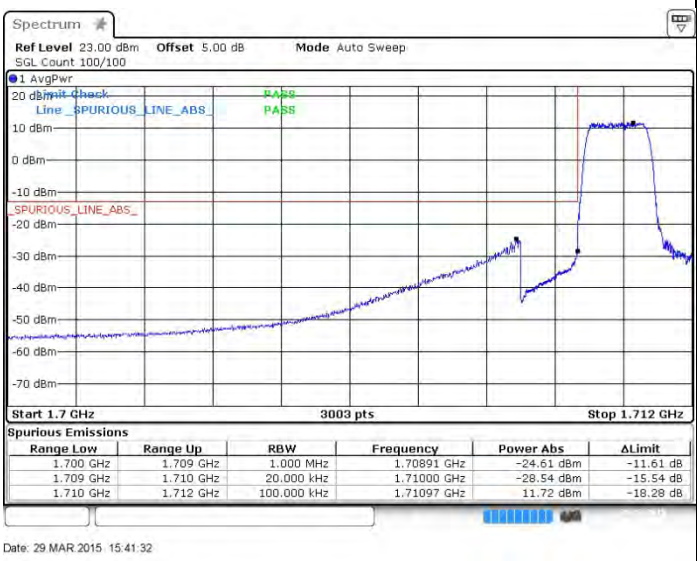
Date: 29.MAR.2015 15:38:11

Highest Band Edge / 1 RB



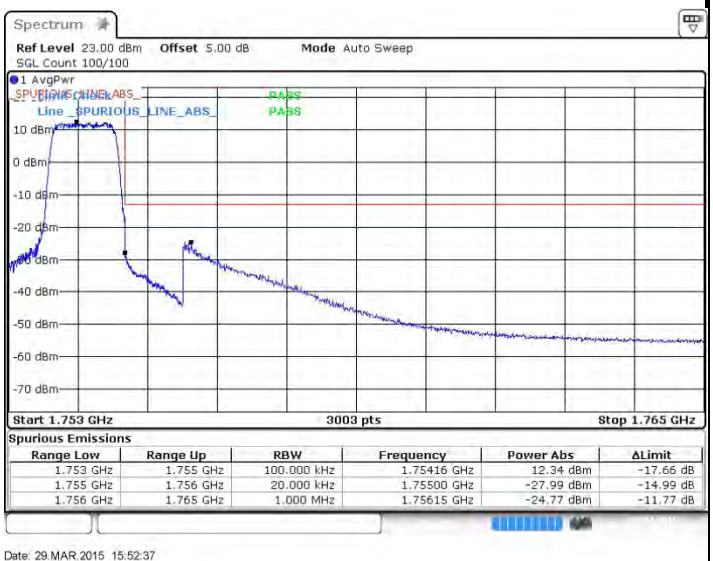
Date: 29.MAR.2015 15:50:18

Lowest Band Edge / Full RB



Date: 29.MAR.2015 15:41:32

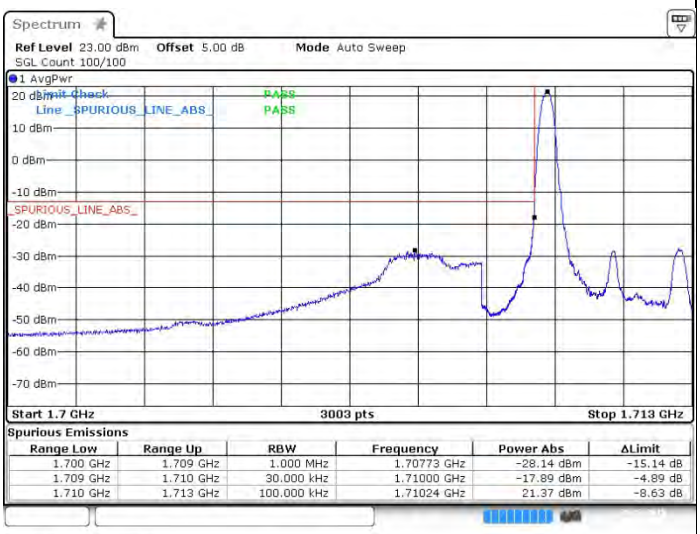
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:52:37

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

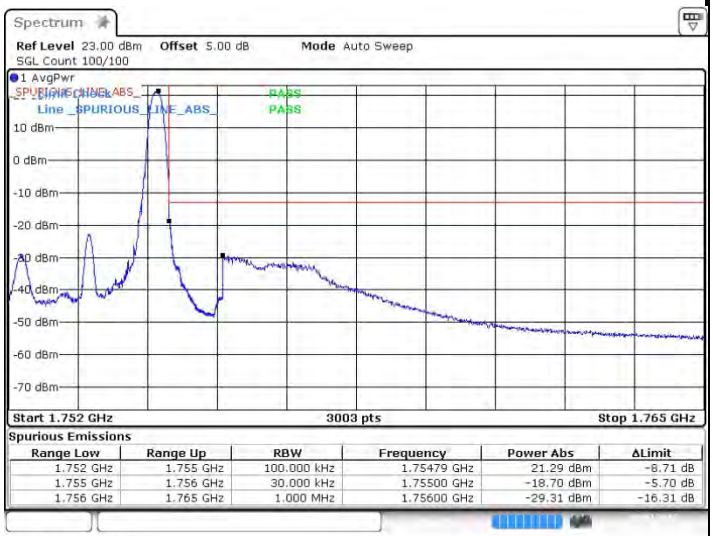


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70773 GHz	-28.14 dBm	-15.14 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-17.89 dBm	-4.89 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71024 GHz	21.37 dBm	-8.63 dB

Date: 29.MAR.2015 15:27:07

Highest Band Edge / 1 RB

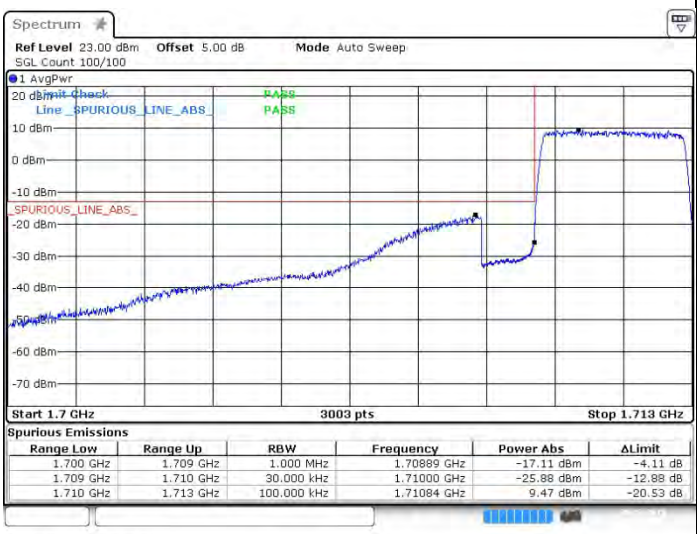


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75479 GHz	21.29 dBm	-8.71 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-18.70 dBm	-5.70 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-29.31 dBm	-16.31 dB

Date: 29.MAR.2015 15:31:12

Lowest Band Edge / Full RB

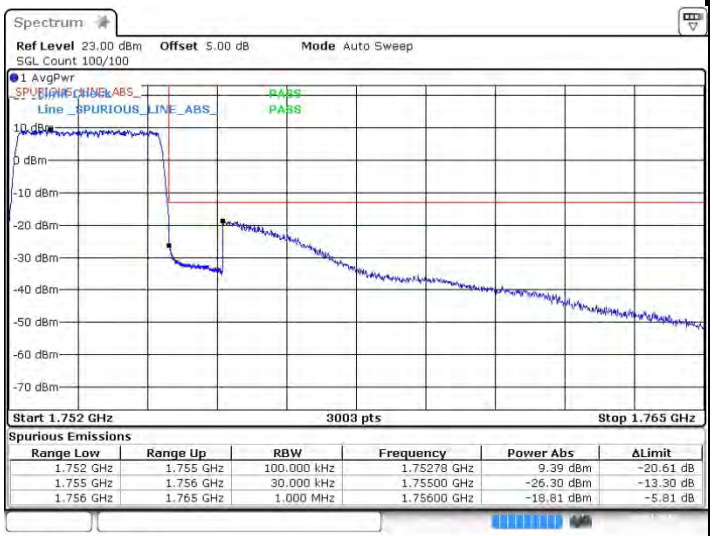


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-17.11 dBm	-4.11 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-25.88 dBm	-12.88 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71084 GHz	9.47 dBm	-20.53 dB

Date: 29.MAR.2015 15:29:56

Highest Band Edge / Full RB



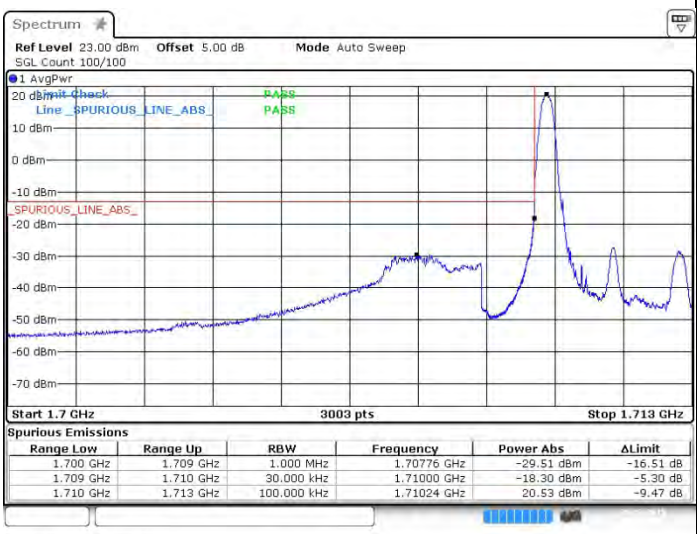
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75278 GHz	9.39 dBm	-20.61 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-26.30 dBm	-13.30 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-18.81 dBm	-5.81 dB

Date: 29.MAR.2015 15:34:09

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

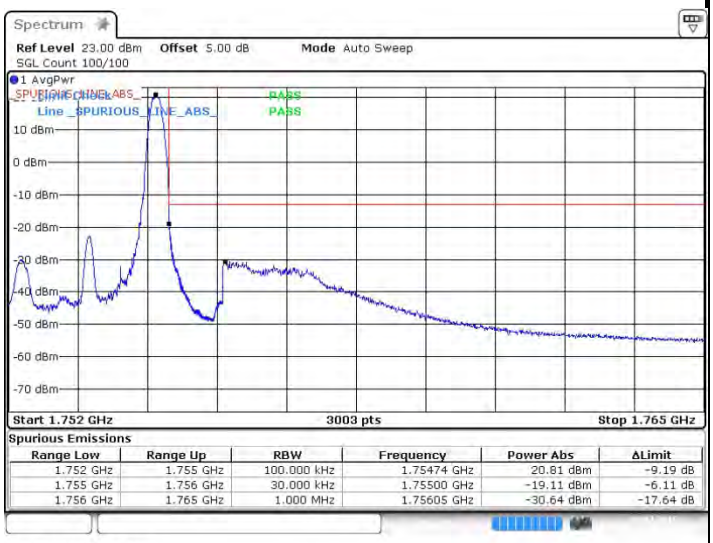


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70776 GHz	-29.51 dBm	-16.51 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-18.30 dBm	-5.30 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71024 GHz	20.53 dBm	-9.47 dB

Date: 29.MAR.2015 15:28:05

Highest Band Edge /1 RB

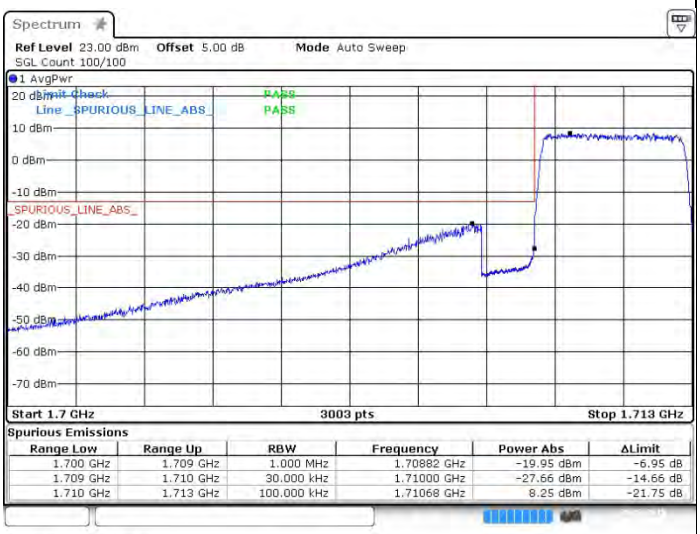


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	20.81 dBm	-9.19 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-19.11 dBm	-6.11 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-30.64 dBm	-17.64 dB

Date: 29.MAR.2015 15:32:13

Lowest Band Edge / Full RB

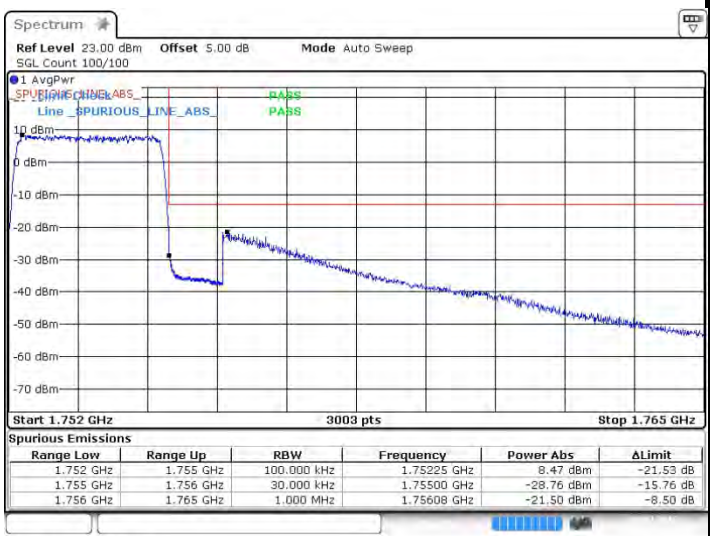


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-19.95 dBm	-6.95 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-27.66 dBm	-14.66 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71068 GHz	8.25 dBm	-21.75 dB

Date: 29.MAR.2015 15:29:12

Highest Band Edge / Full RB



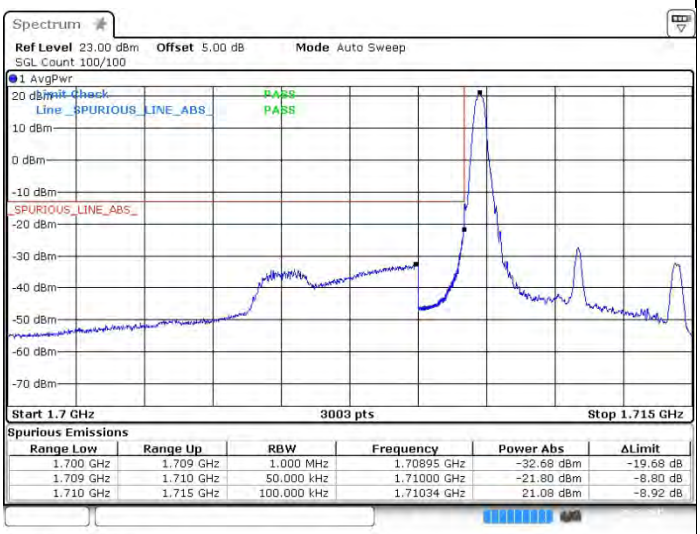
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75225 GHz	8.47 dBm	-21.53 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-28.76 dBm	-15.76 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75608 GHz	-21.50 dBm	-8.50 dB

Date: 29.MAR.2015 15:33:16

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

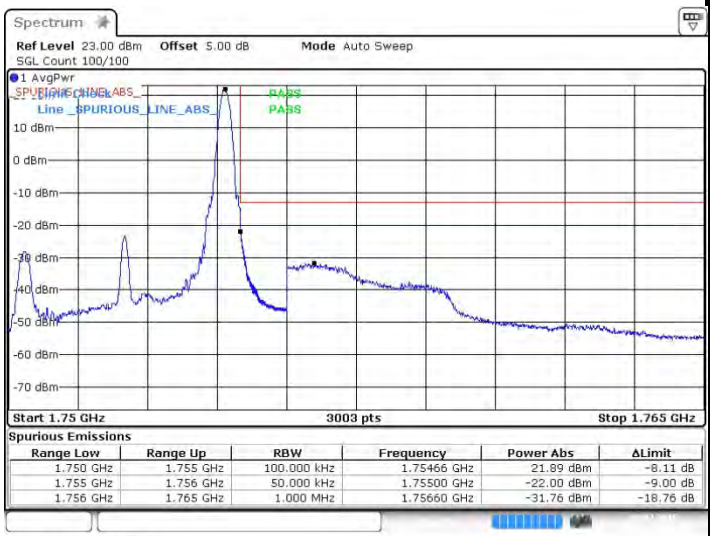


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-32.68 dBm	-19.68 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-21.80 dBm	-8.80 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71034 GHz	21.08 dBm	-8.92 dB

Date: 29.MAR.2015 15:11:48

Highest Band Edge / 1 RB

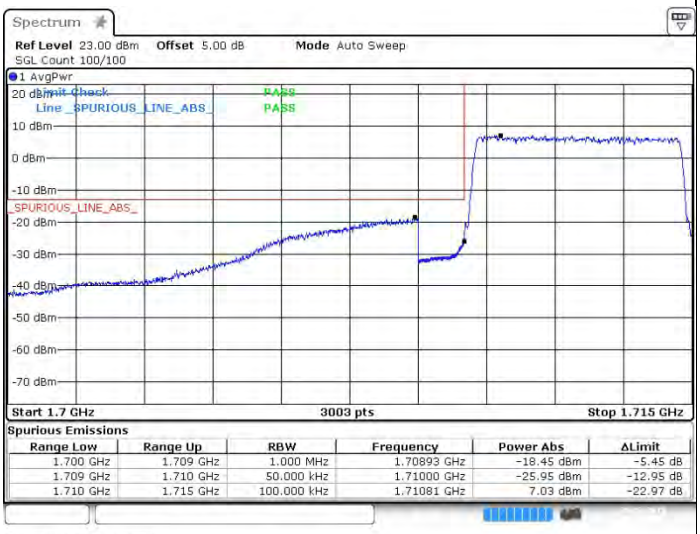


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75466 GHz	21.89 dBm	-8.11 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.00 dBm	-9.00 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75660 GHz	-31.76 dBm	-18.76 dB

Date: 29.MAR.2015 15:13:59

Lowest Band Edge / Full RB

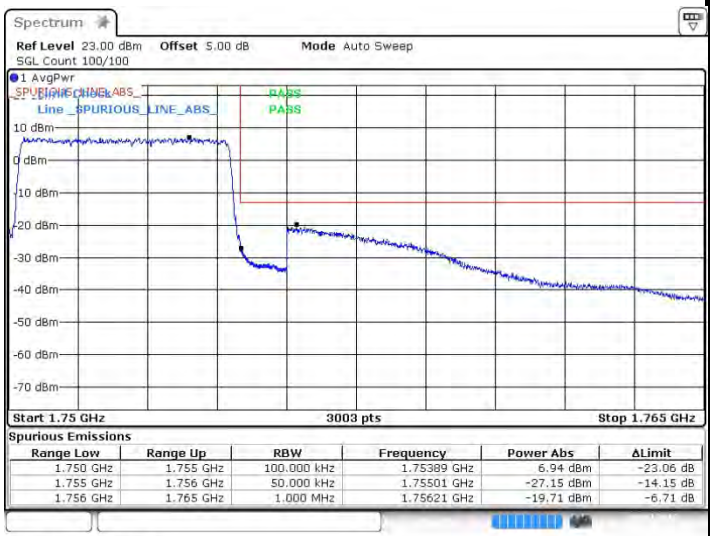


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-18.45 dBm	-5.45 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-25.95 dBm	-12.95 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71081 GHz	7.03 dBm	-22.97 dB

Date: 29.MAR.2015 15:13:17

Highest Band Edge / Full RB



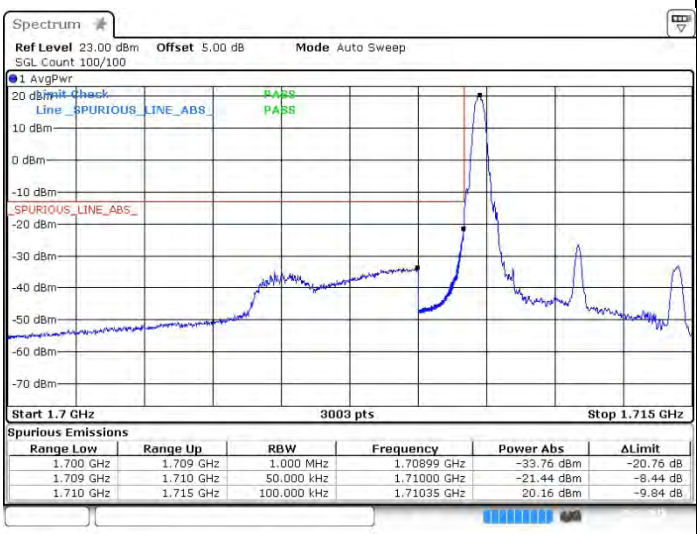
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75389 GHz	6.94 dBm	-23.06 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-27.15 dBm	-14.15 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75621 GHz	-19.71 dBm	-6.71 dB

Date: 29.MAR.2015 15:17:00

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

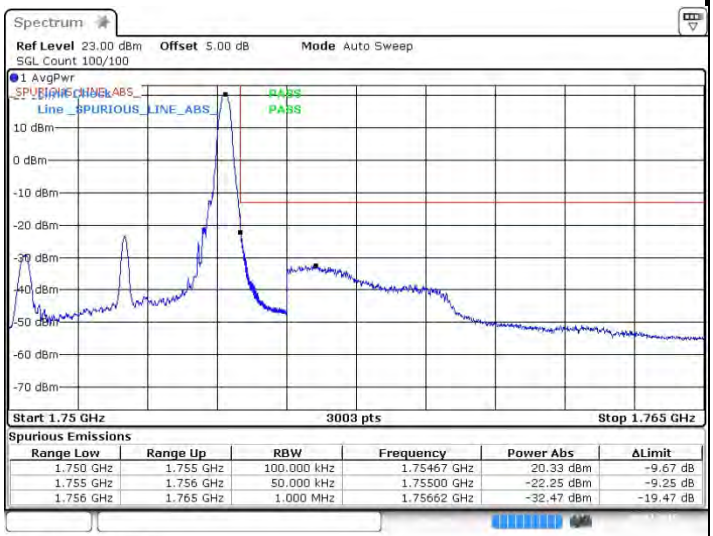


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-33.76 dBm	-20.76 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-21.44 dBm	-8.44 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71035 GHz	20.16 dBm	-9.84 dB

Date: 29.MAR.2015 15:12:16

Highest Band Edge / 1 RB

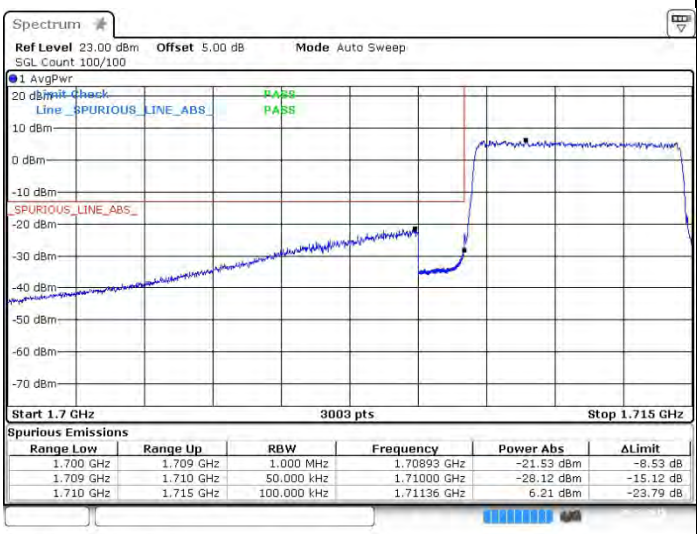


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	20.33 dBm	-9.67 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.25 dBm	-9.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75662 GHz	-32.47 dBm	-19.47 dB

Date: 29.MAR.2015 15:14:30

Lowest Band Edge / Full RB

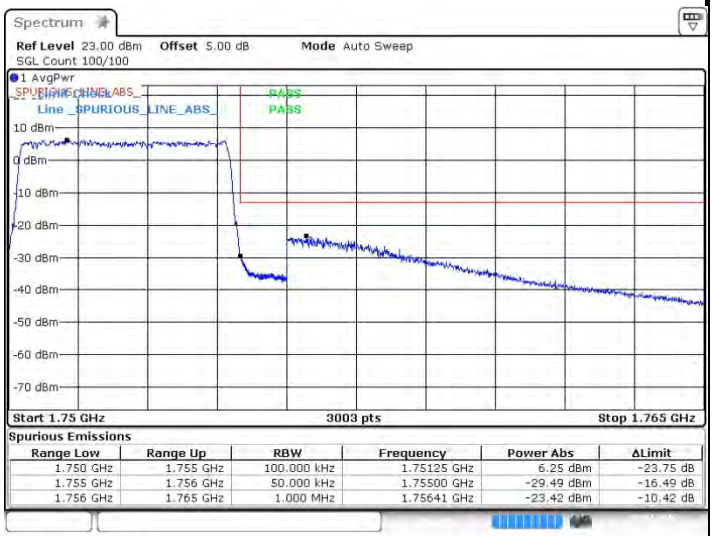


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-21.53 dBm	-8.53 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-28.12 dBm	-15.12 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71136 GHz	6.21 dBm	-23.79 dB

Date: 29.MAR.2015 15:12:45

Highest Band Edge / Full RB



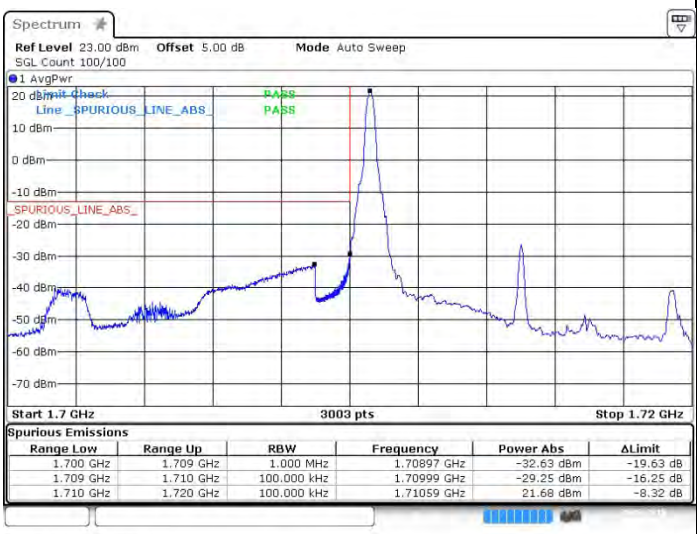
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75125 GHz	6.25 dBm	-23.75 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-29.49 dBm	-16.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75641 GHz	-23.42 dBm	-10.42 dB

Date: 29.MAR.2015 15:15:36

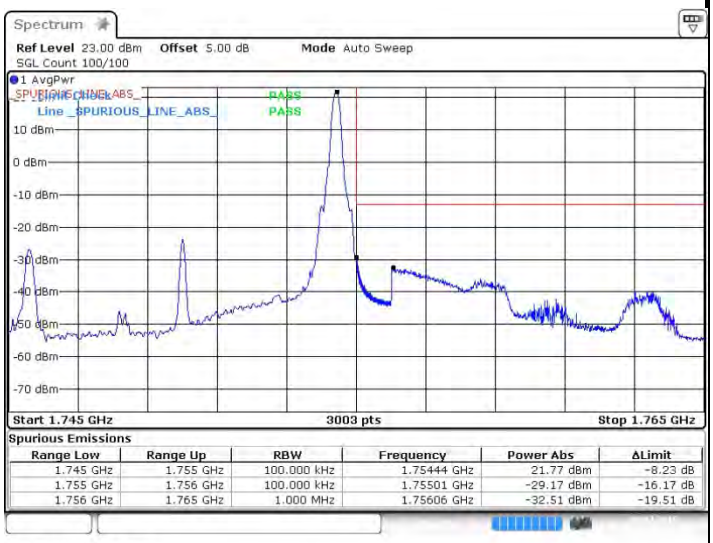
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



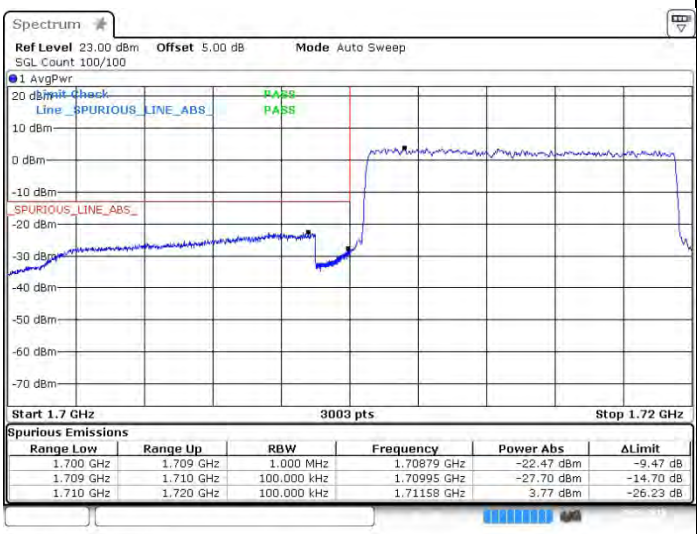
Date: 29.MAR.2015 15:06:46

Highest Band Edge / 1 RB



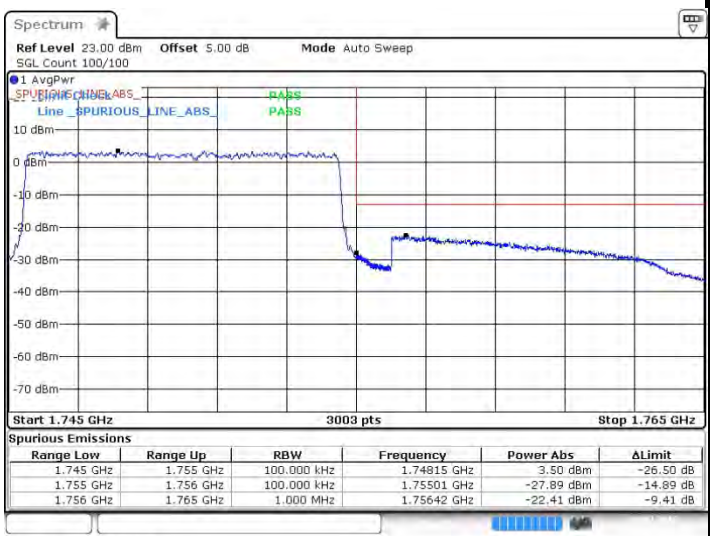
Date: 29.MAR.2015 15:09:13

Lowest Band Edge / Full RB



Date: 29.MAR.2015 15:08:20

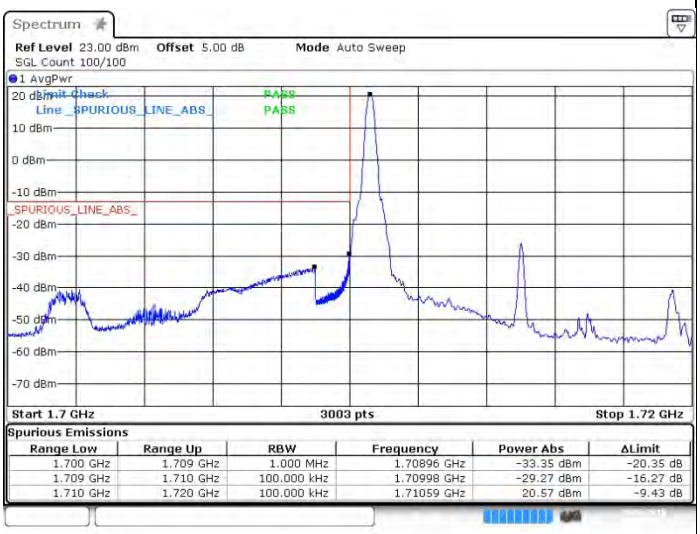
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:10:31

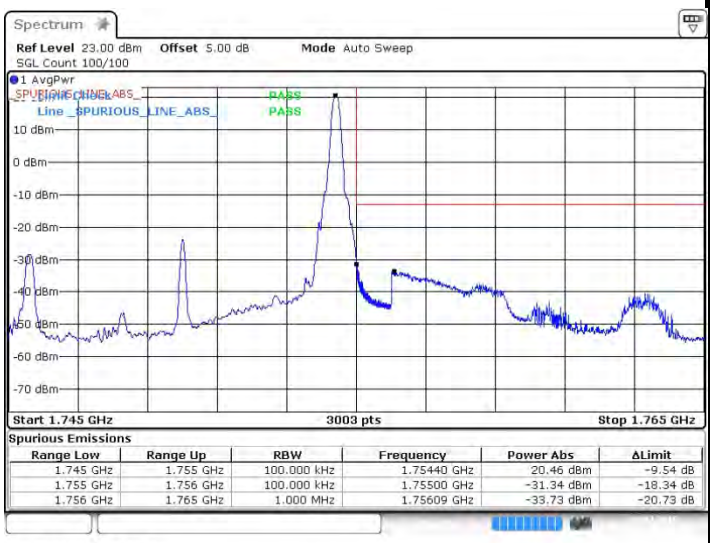
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



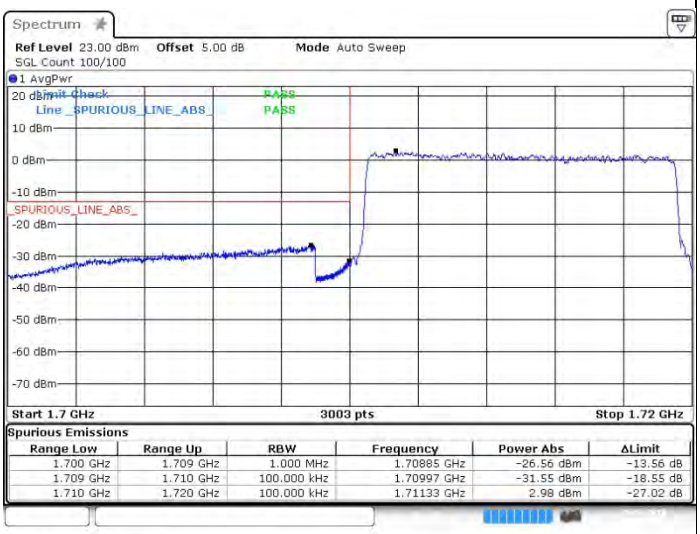
Date: 29.MAR.2015 15:07:28

Highest Band Edge / 1 RB



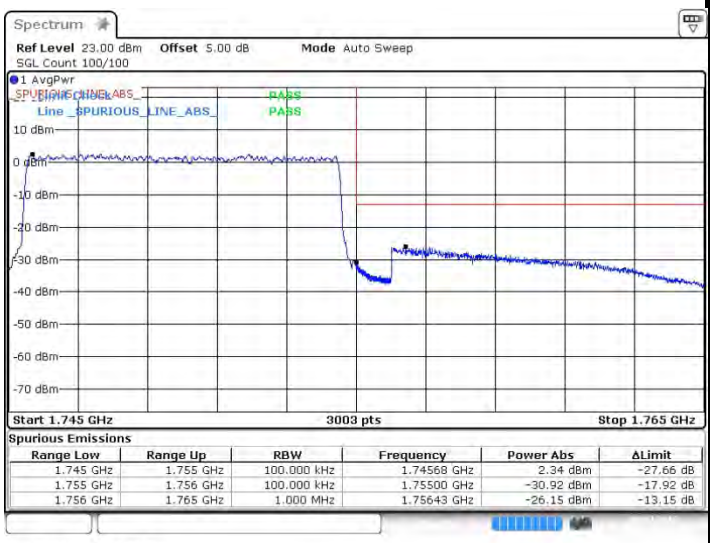
Date: 29.MAR.2015 15:09:44

Lowest Band Edge / Full RB



Date: 29.MAR.2015 15:07:56

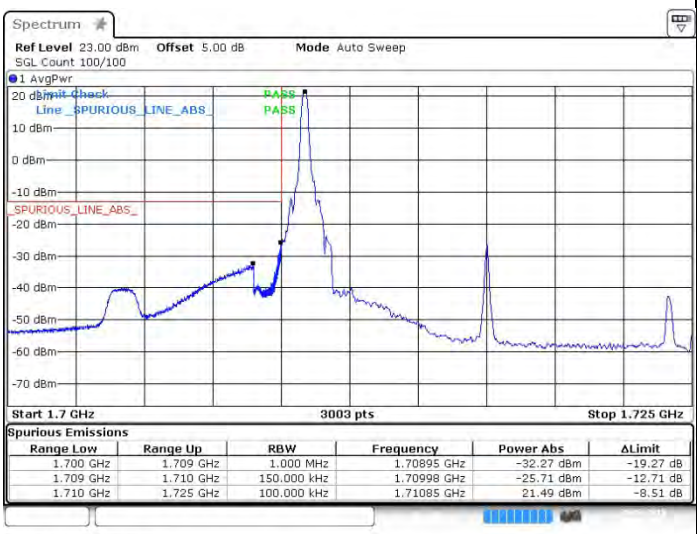
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:10:08

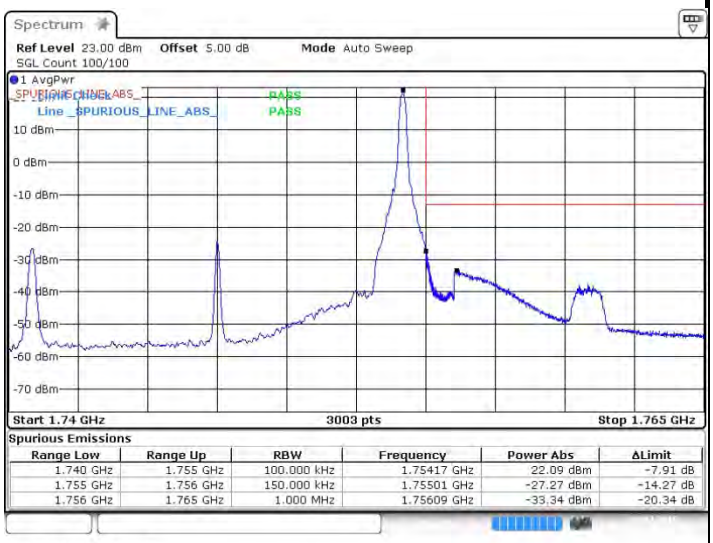
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



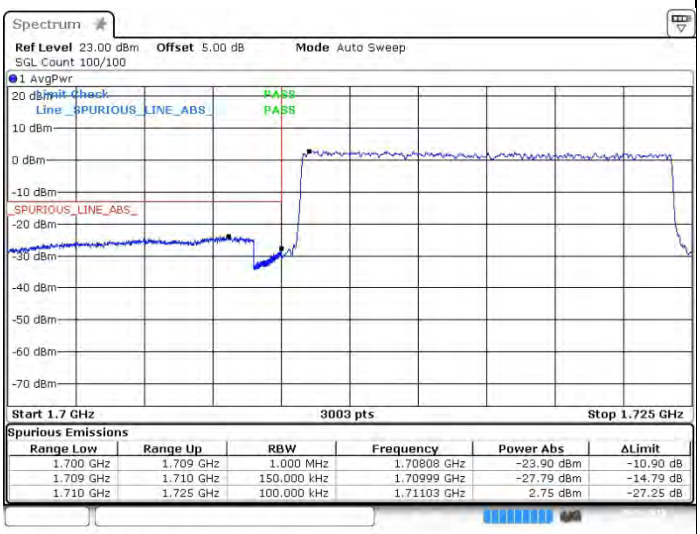
Date: 29.MAR.2015 15:01:46

Highest Band Edge / 1 RB



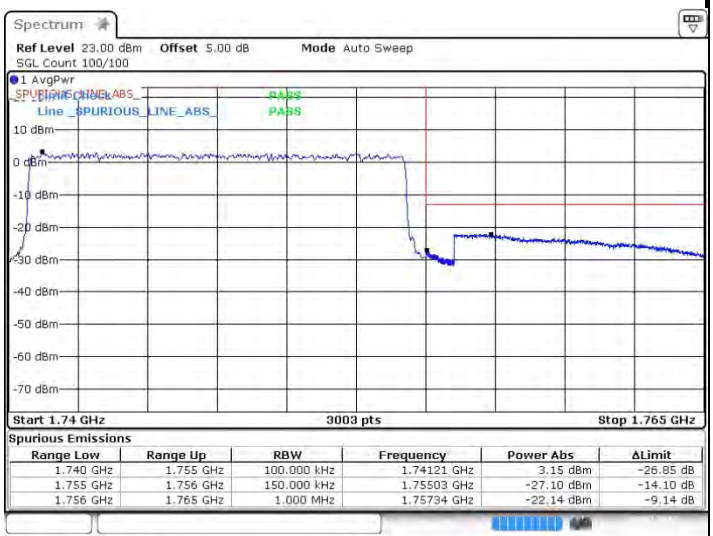
Date: 29.MAR.2015 15:03:48

Lowest Band Edge / Full RB



Date: 29.MAR.2015 15:03:09

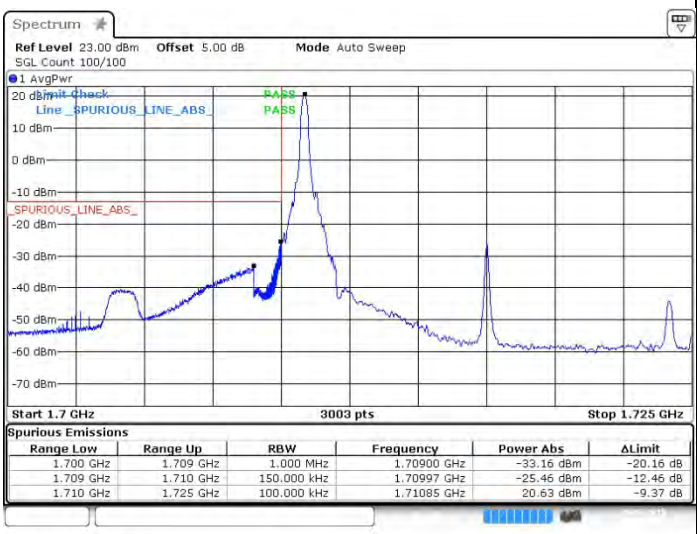
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:05:23

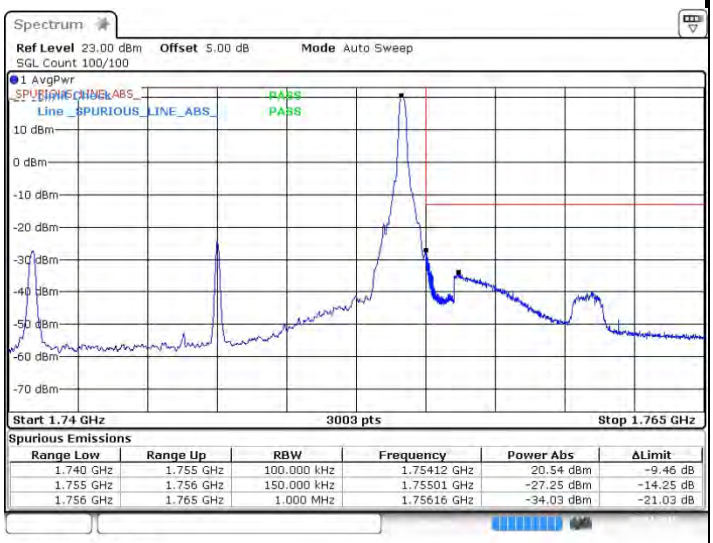
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



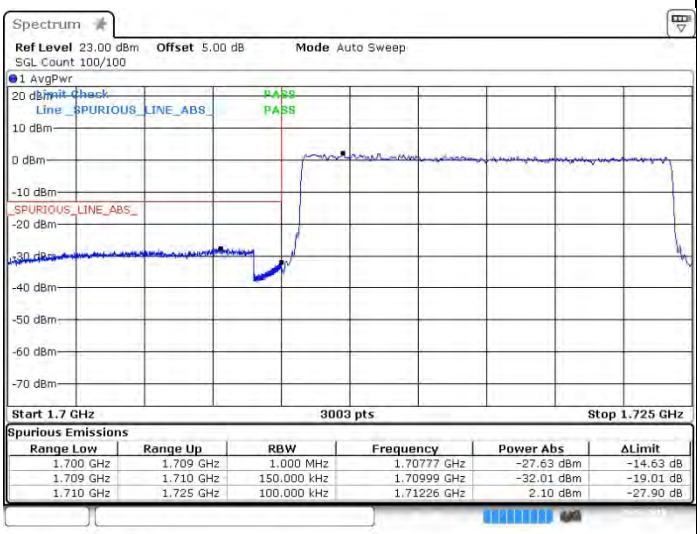
Date: 29.MAR.2015 15:02:17

Highest Band Edge / 1 RB



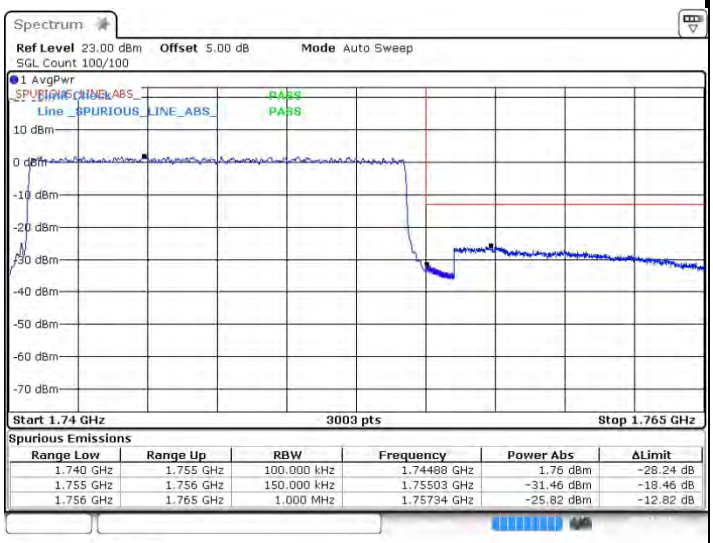
Date: 29.MAR.2015 15:04:31

Lowest Band Edge / Full RB



Date: 29.MAR.2015 15:02:47

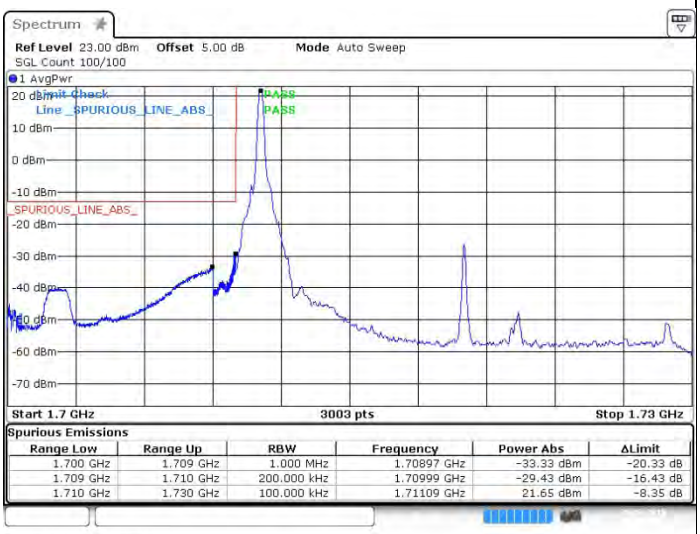
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:04:58

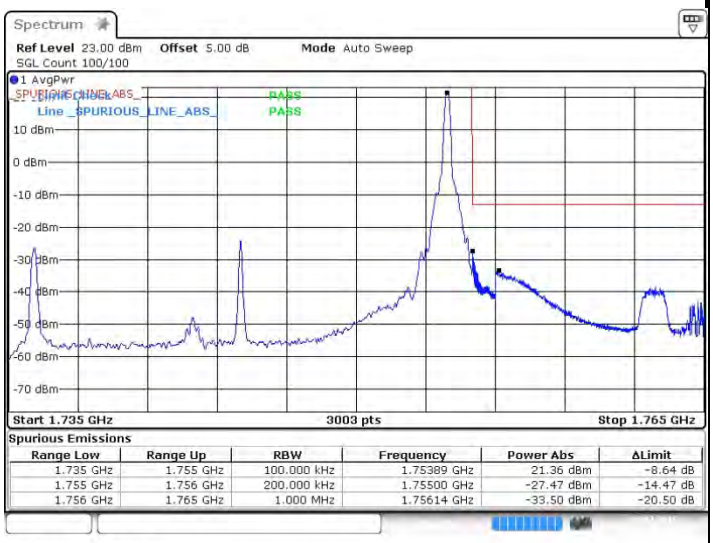
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



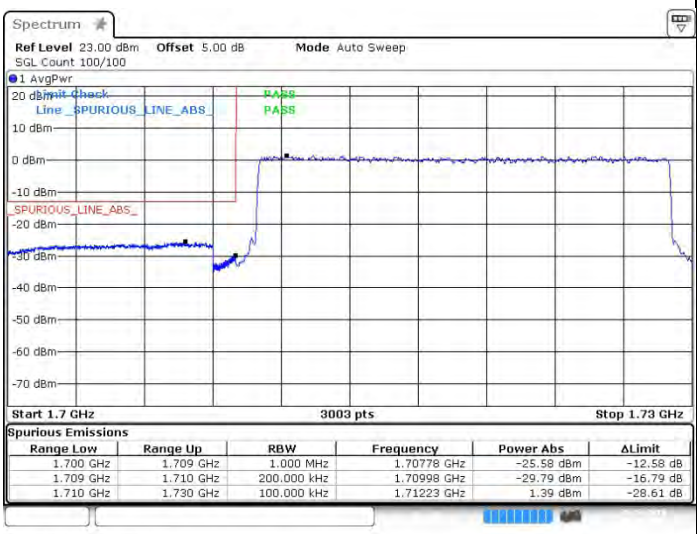
Date: 29.MAR.2015 14:57:00

Highest Band Edge / 1 RB



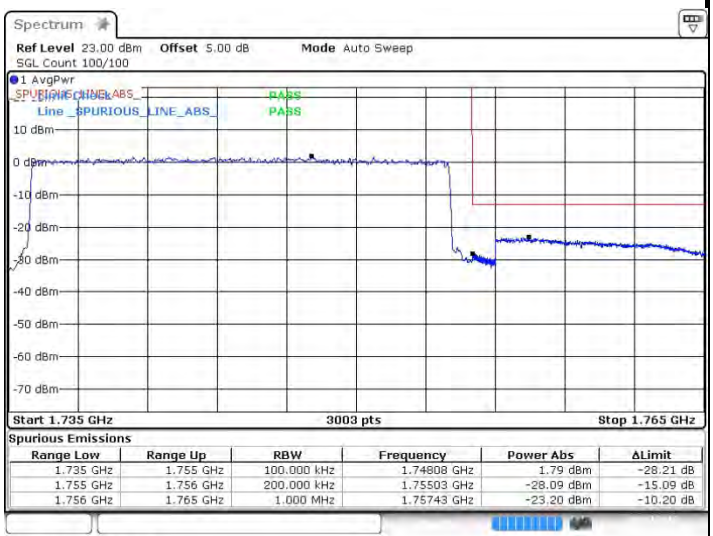
Date: 29.MAR.2015 14:59:16

Lowest Band Edge / Full RB



Date: 29.MAR.2015 14:58:46

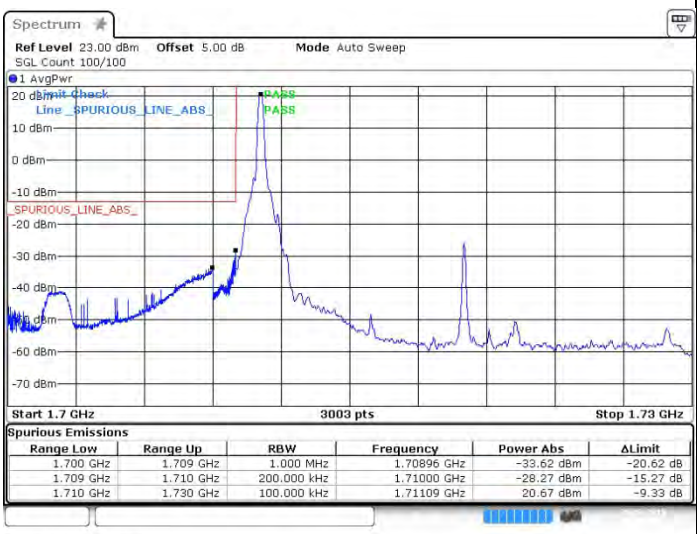
Highest Band Edge / Full RB



Date: 29.MAR.2015 15:00:31

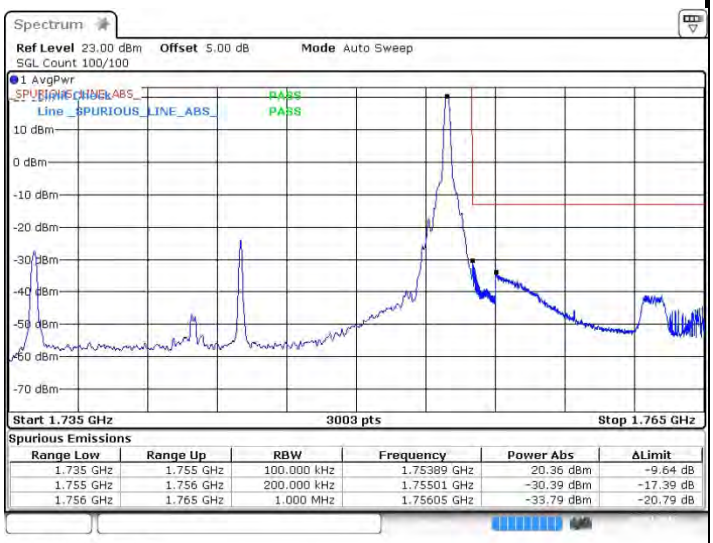
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



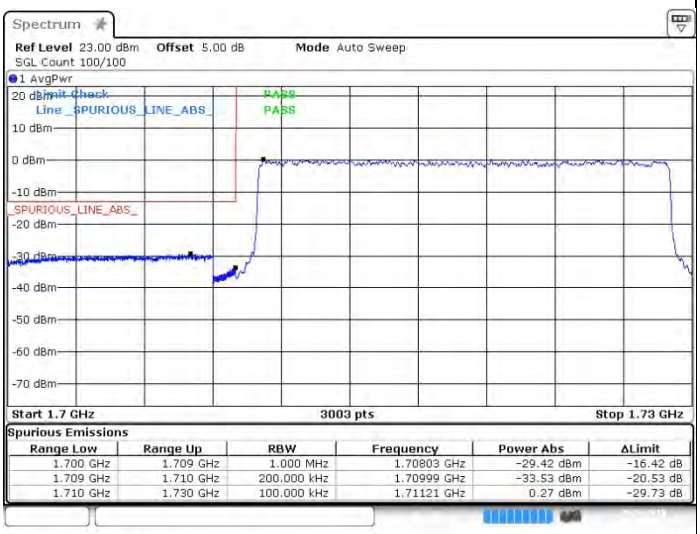
Date: 29.MAR.2015 14:57:36

Highest Band Edge / 1 RB



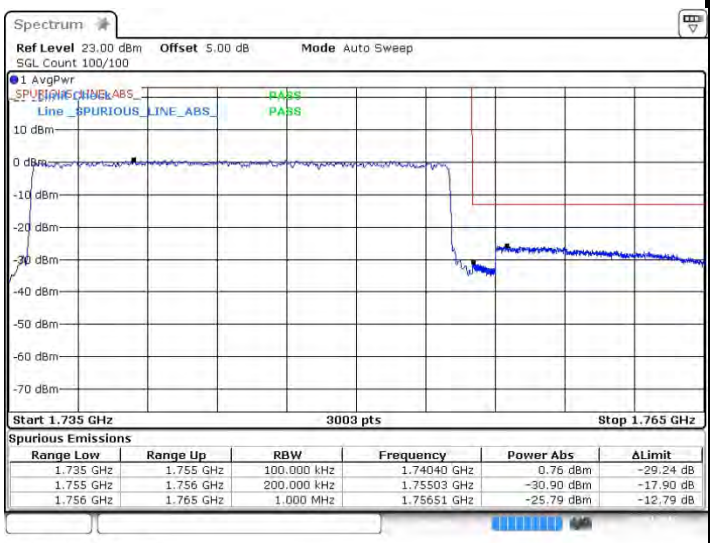
Date: 29.MAR.2015 14:59:38

Lowest Band Edge / Full RB



Date: 29.MAR.2015 14:58:17

Highest Band Edge / Full RB

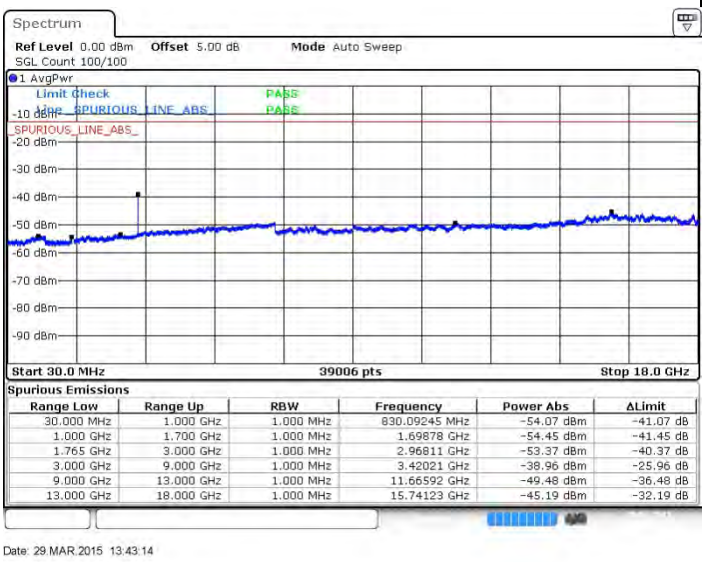


Date: 29.MAR.2015 15:00:05

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

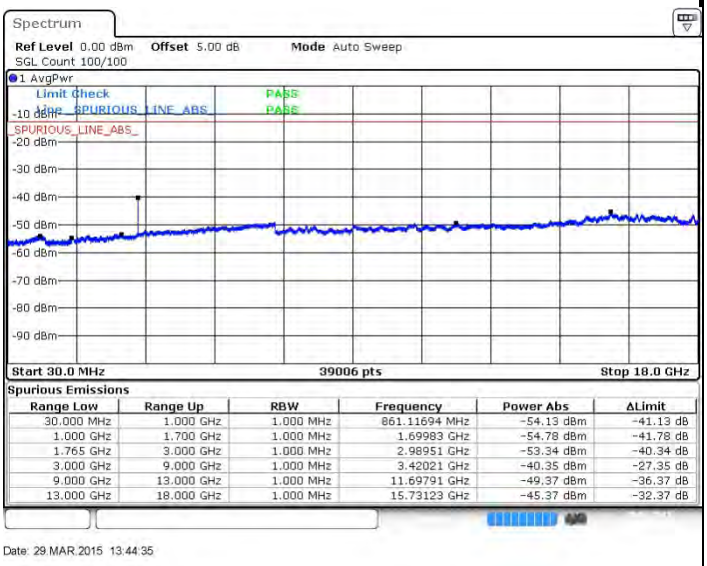


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	830.09245 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-54.45 dBm	-41.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96811 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-38.96 dBm	-25.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.66592 GHz	-49.48 dBm	-36.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74123 GHz	-45.19 dBm	-32.19 dB

Date: 29.MAR.2015 13:43:14

Lowest Channel / 16QAM

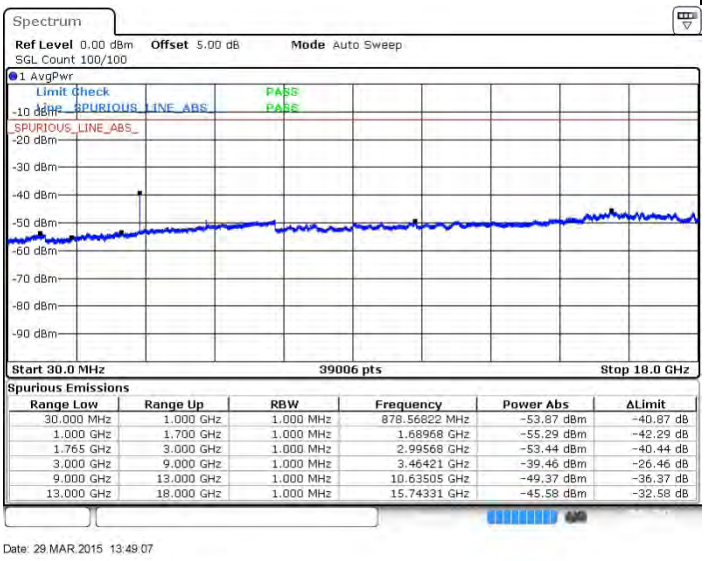


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.78 dBm	-41.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98951 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-40.35 dBm	-27.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.69791 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73123 GHz	-45.37 dBm	-32.37 dB

Date: 29.MAR.2015 13:44:35

Middle Channel / QPSK

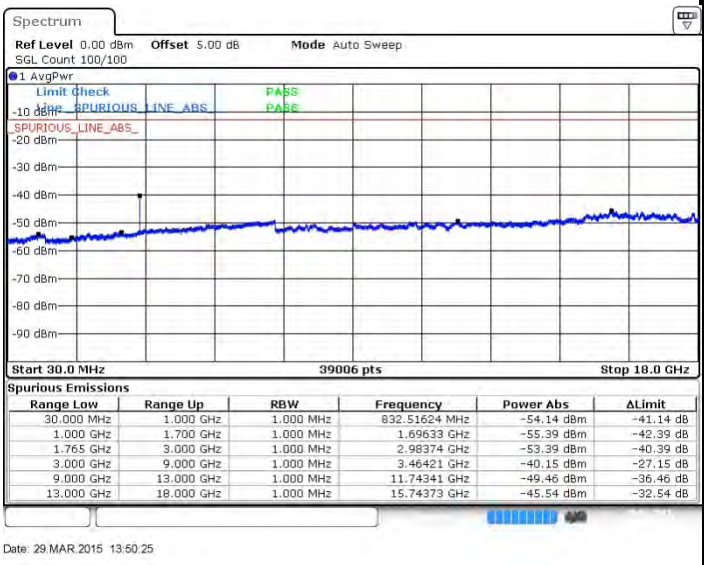


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68968 GHz	-55.29 dBm	-42.29 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99568 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-39.46 dBm	-26.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63505 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74331 GHz	-45.58 dBm	-32.58 dB

Date: 29.MAR.2015 13:49:07

Middle Channel / 16QAM



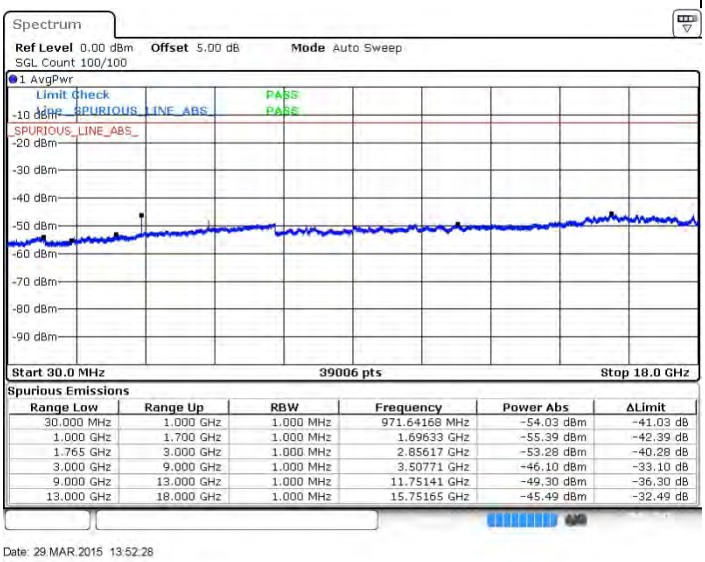
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	832.51624 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-55.39 dBm	-42.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98374 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-40.15 dBm	-27.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74341 GHz	-49.46 dBm	-36.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74373 GHz	-45.54 dBm	-32.54 dB

Date: 29.MAR.2015 13:50:25

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

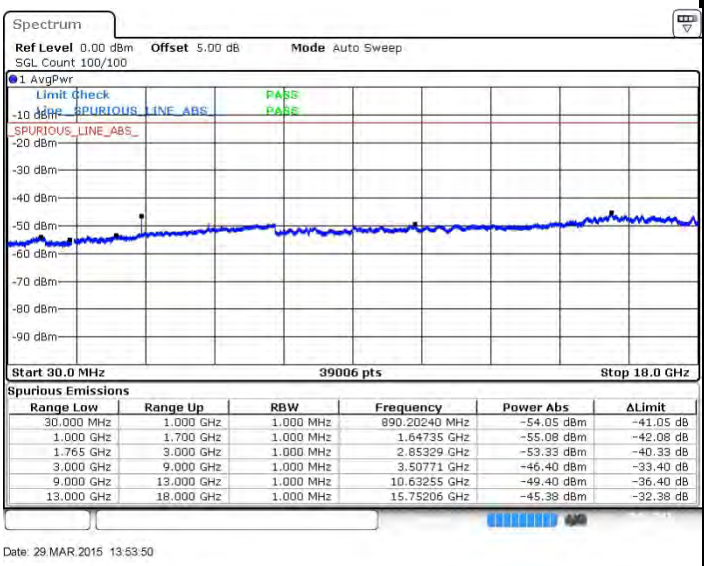


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.64168 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-55.39 dBm	-42.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85617 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-46.10 dBm	-33.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75141 GHz	-49.30 dBm	-36.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75165 GHz	-45.49 dBm	-32.49 dB

Date: 29.MAR.2015 13:52:28

Highest Channel / 16QAM



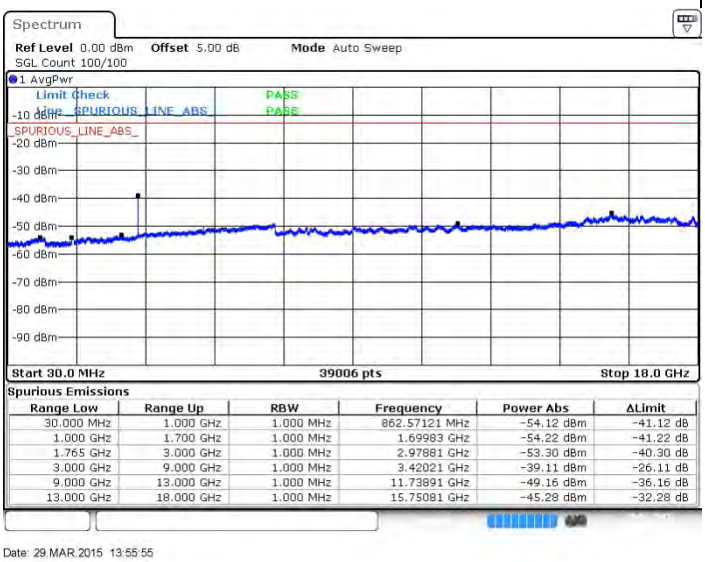
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64735 GHz	-55.08 dBm	-42.08 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85329 GHz	-53.33 dBm	-40.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-46.40 dBm	-33.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63255 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75206 GHz	-45.38 dBm	-32.38 dB

Date: 29.MAR.2015 13:53:50

LTE Band 4 / 3MHz

Lowest Channel / QPSK

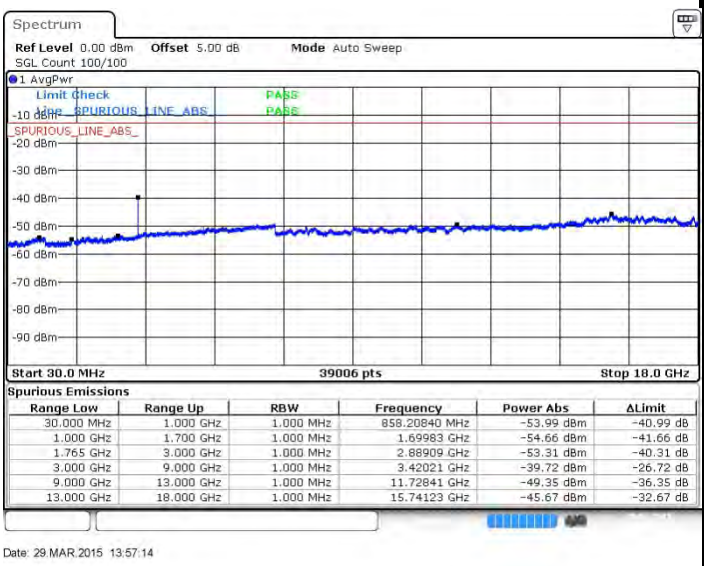


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	862.57121 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.22 dBm	-41.22 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97881 GHz	-53.30 dBm	-40.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-39.11 dBm	-26.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73891 GHz	-49.16 dBm	-36.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75081 GHz	-45.28 dBm	-32.28 dB

Date: 29.MAR.2015 13:55:55

Lowest Channel / 16QAM



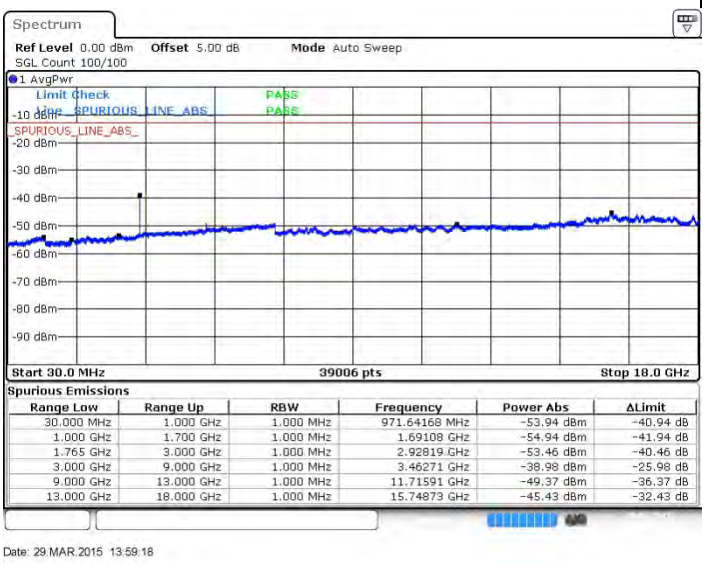
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.20840 MHz	-53.99 dBm	-40.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.66 dBm	-41.66 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88909 GHz	-53.31 dBm	-40.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-39.72 dBm	-26.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.72841 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74123 GHz	-45.67 dBm	-32.67 dB

Date: 29.MAR.2015 13:57:14

LTE Band 4 / 3MHz

Middle Channel / QPSK

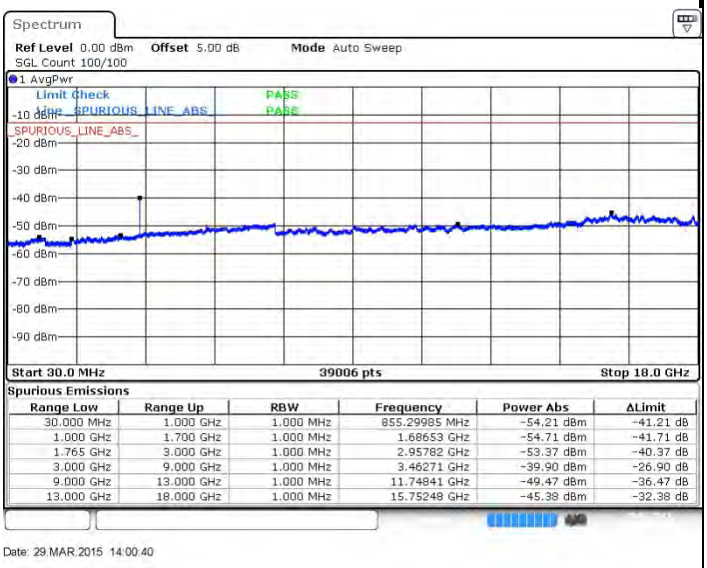


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.64168 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69108 GHz	-54.94 dBm	-41.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.92819 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-38.98 dBm	-25.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.71591 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74873 GHz	-45.43 dBm	-32.43 dB

Date: 29.MAR.2015 13:59:18

Middle Channel / 16QAM

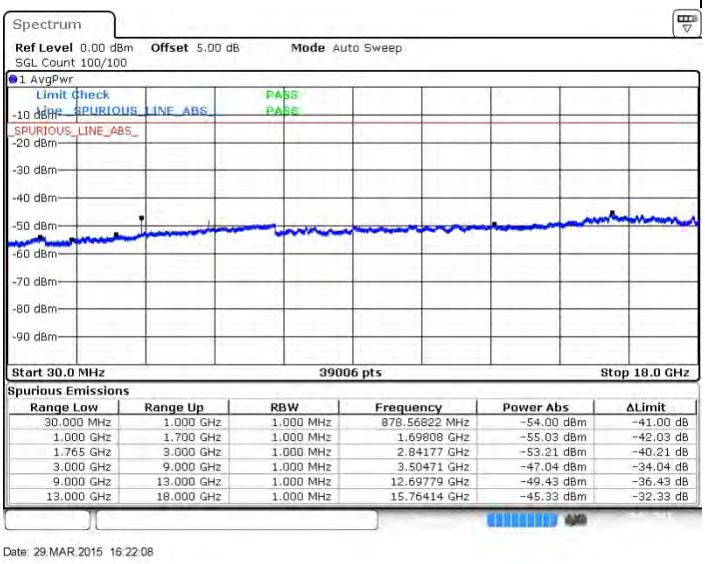


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	855.29985 MHz	-54.21 dBm	-41.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68653 GHz	-54.71 dBm	-41.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95782 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-39.90 dBm	-26.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74841 GHz	-49.47 dBm	-36.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75248 GHz	-45.38 dBm	-32.38 dB

Date: 29.MAR.2015 14:00:40

Highest Channel / QPSK

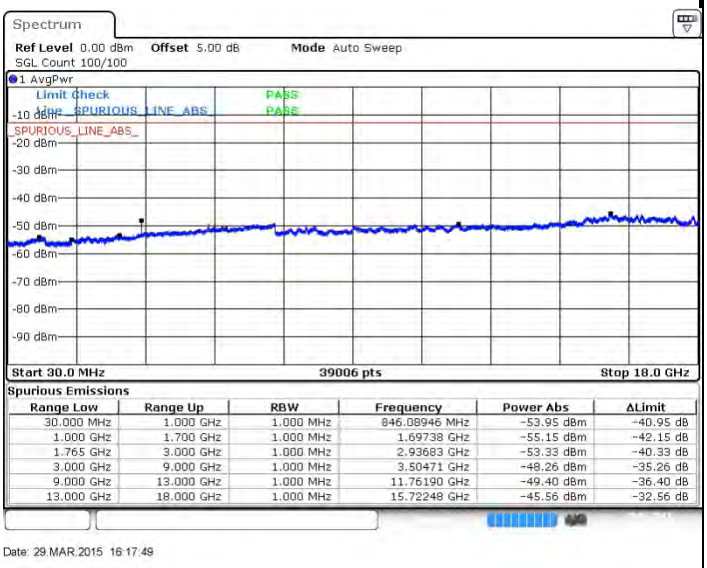


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-55.03 dBm	-42.03 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84177 GHz	-53.21 dBm	-40.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-47.04 dBm	-34.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76414 GHz	-45.33 dBm	-32.33 dB

Date: 29.MAR.2015 16:22:08

Highest Channel / 16QAM



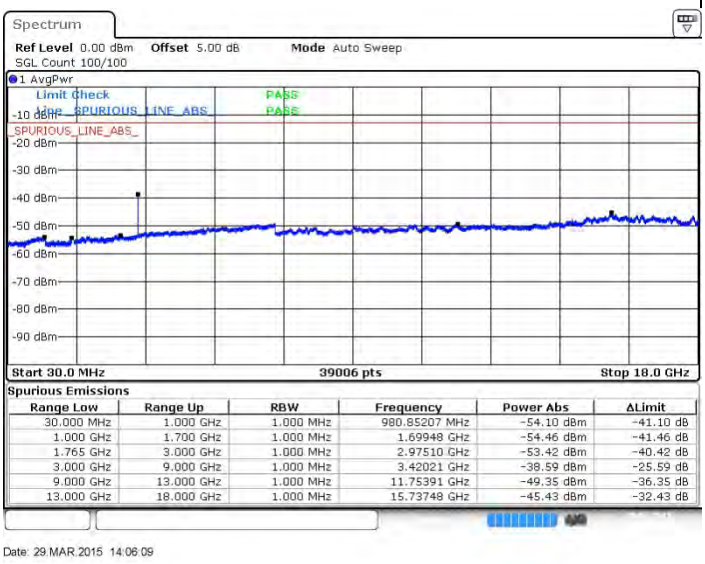
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	846.08946 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-55.15 dBm	-42.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93683 GHz	-53.33 dBm	-40.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-48.26 dBm	-35.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.76190 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72248 GHz	-45.56 dBm	-32.56 dB

Date: 29.MAR.2015 16:17:49

LTE Band 4 / 5MHz

Lowest Channel / QPSK

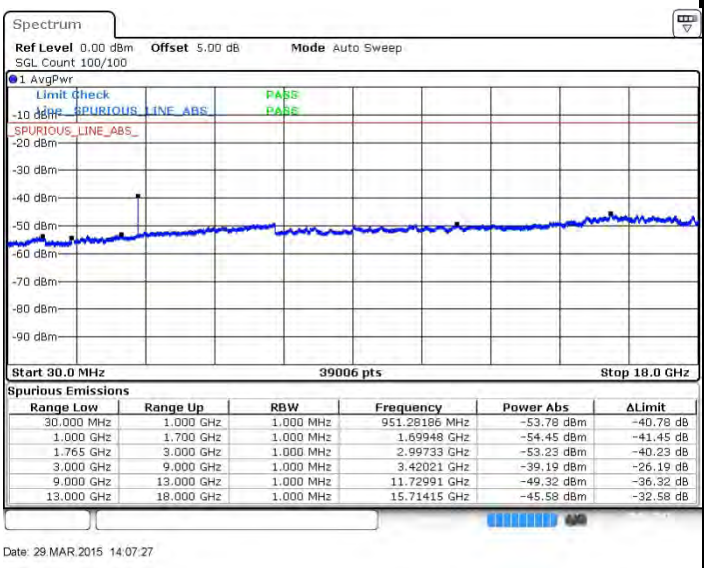


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-54.46 dBm	-41.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97510 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-38.59 dBm	-25.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75391 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73748 GHz	-45.43 dBm	-32.43 dB

Date: 29.MAR.2015 14:06:09

Lowest Channel / 16QAM

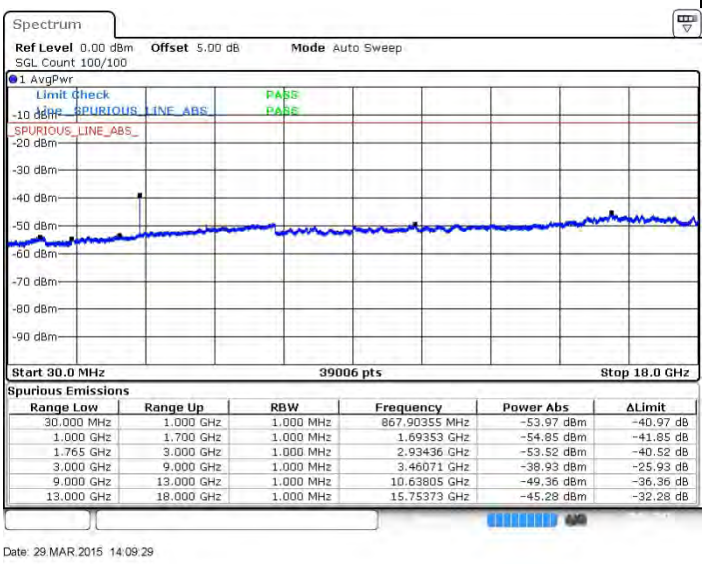


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-53.78 dBm	-40.78 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-54.45 dBm	-41.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99733 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42021 GHz	-39.19 dBm	-26.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.72991 GHz	-49.32 dBm	-36.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71415 GHz	-45.58 dBm	-32.58 dB

Date: 29.MAR.2015 14:07:27

Middle Channel / QPSK

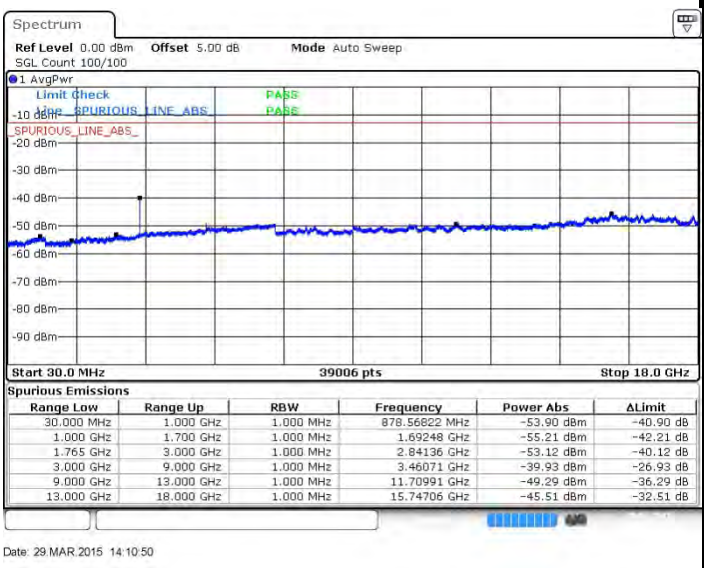


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	867.90355 MHz	-53.97 dBm	-40.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-54.85 dBm	-41.85 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93436 GHz	-53.52 dBm	-40.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-38.93 dBm	-25.93 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63805 GHz	-49.36 dBm	-36.36 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75373 GHz	-45.28 dBm	-32.28 dB

Date: 29.MAR.2015 14:09:29

Middle Channel / 16QAM



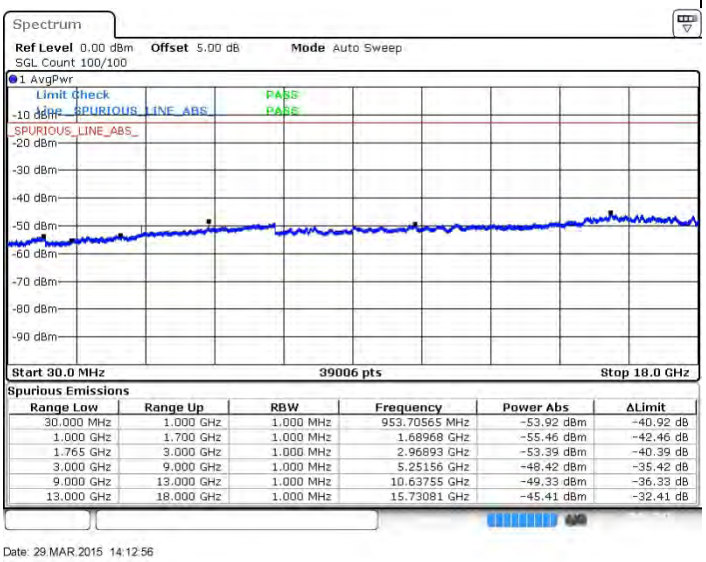
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69248 GHz	-55.21 dBm	-42.21 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84136 GHz	-53.12 dBm	-40.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-39.93 dBm	-26.93 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.70991 GHz	-49.29 dBm	-36.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74706 GHz	-45.51 dBm	-32.51 dB

Date: 29.MAR.2015 14:10:50

LTE Band 4 / 5MHz

Highest Channel / QPSK

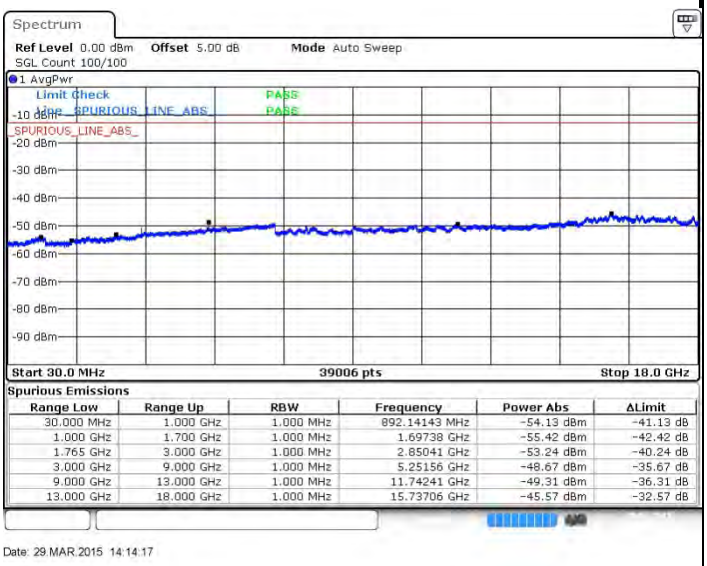


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-53.92 dBm	-40.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68968 GHz	-55.46 dBm	-42.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96893 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.25156 GHz	-48.42 dBm	-35.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63755 GHz	-49.33 dBm	-36.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73081 GHz	-45.41 dBm	-32.41 dB

Date: 29.MAR.2015 14:12:56

Highest Channel / 16QAM



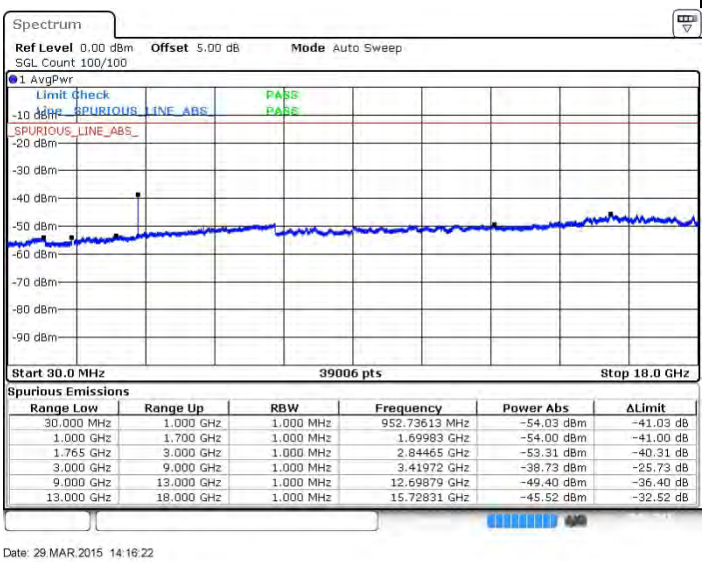
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-55.42 dBm	-42.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85041 GHz	-53.24 dBm	-40.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.25156 GHz	-48.67 dBm	-35.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74241 GHz	-49.31 dBm	-36.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73706 GHz	-45.57 dBm	-32.57 dB

Date: 29.MAR.2015 14:14:17

LTE Band 4 / 10MHz

Lowest Channel / QPSK

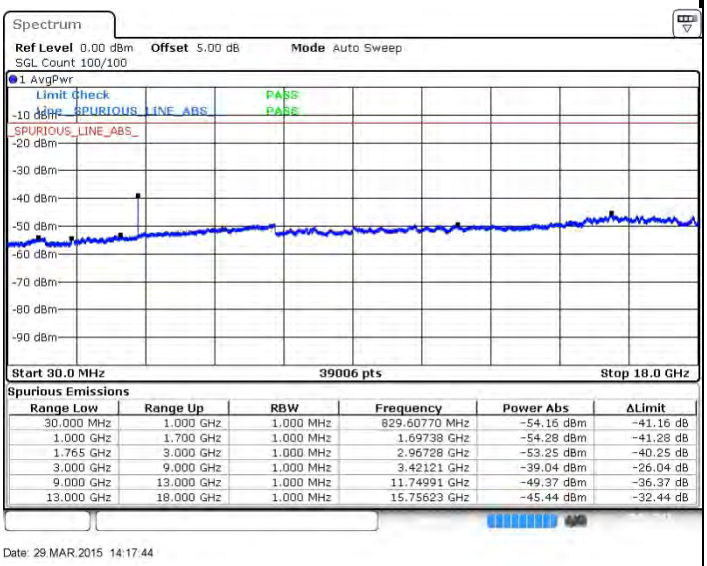


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.00 dBm	-41.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84465 GHz	-53.31 dBm	-40.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.41972 GHz	-38.73 dBm	-25.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72831 GHz	-45.52 dBm	-32.52 dB

Date: 29.MAR.2015 14:16:22

Lowest Channel / 16QAM



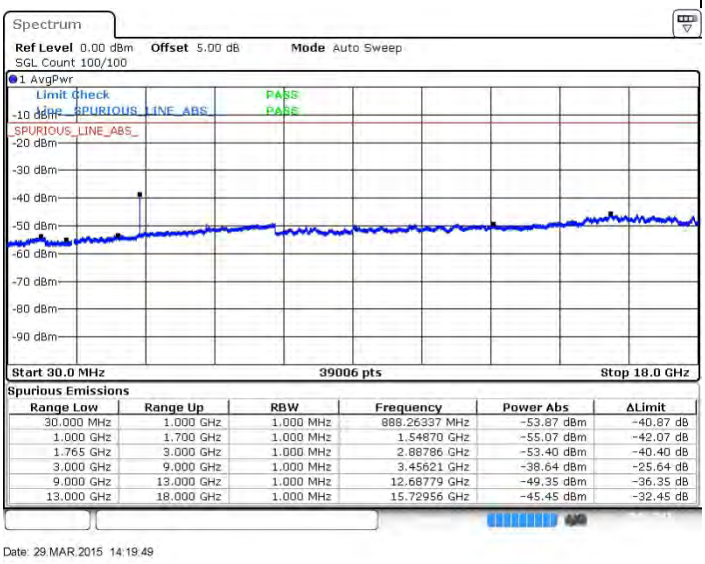
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	829.60770 MHz	-54.16 dBm	-41.16 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-54.28 dBm	-41.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96728 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42121 GHz	-39.04 dBm	-26.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74991 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75623 GHz	-45.44 dBm	-32.44 dB

Date: 29.MAR.2015 14:17:44

LTE Band 4 / 10MHz

Middle Channel / QPSK

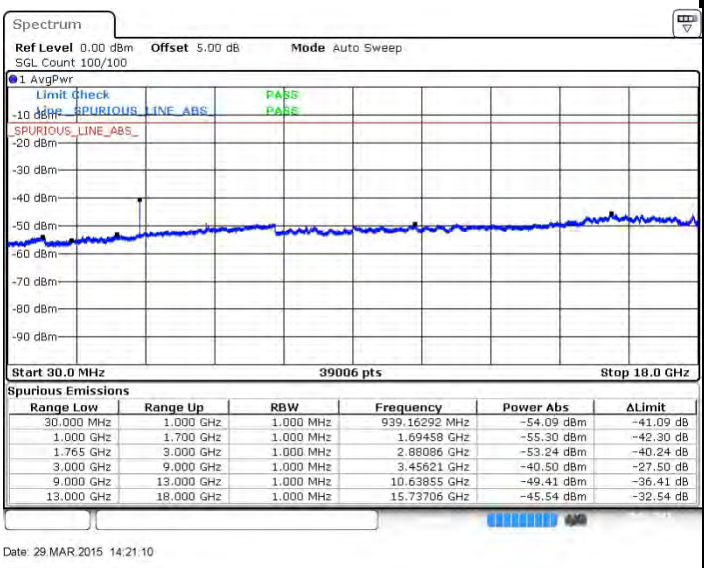


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.54870 GHz	-55.07 dBm	-42.07 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88786 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-38.64 dBm	-25.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68779 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72956 GHz	-45.45 dBm	-32.45 dB

Date: 29.MAR.2015 14:19:49

Middle Channel / 16QAM

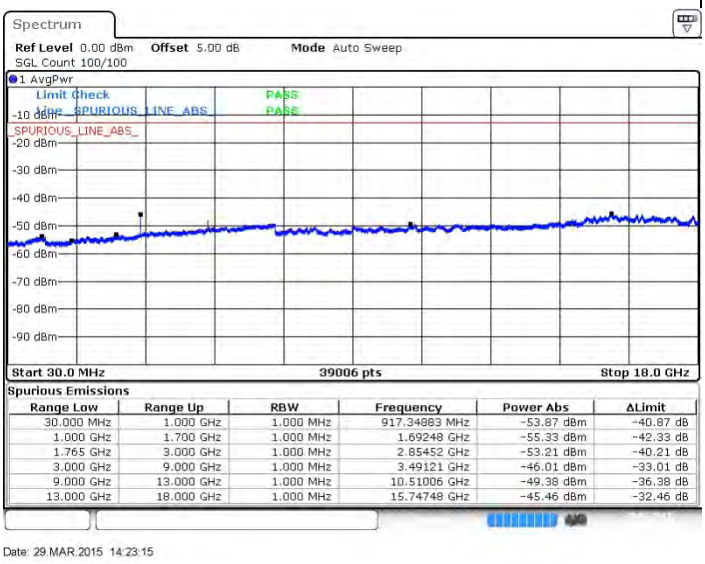


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69458 GHz	-55.30 dBm	-42.30 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88086 GHz	-53.24 dBm	-40.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-40.50 dBm	-27.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63855 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73706 GHz	-45.54 dBm	-32.54 dB

Date: 29.MAR.2015 14:21:10

Highest Channel / QPSK

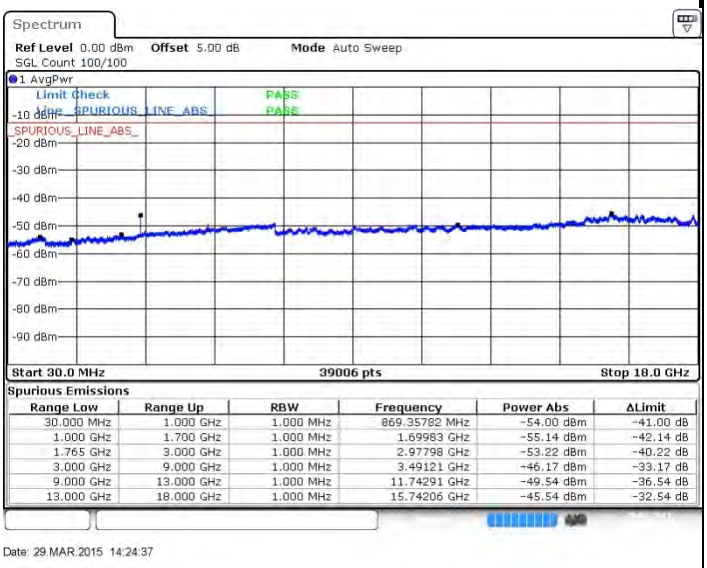


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69248 GHz	-55.33 dBm	-42.33 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85452 GHz	-53.21 dBm	-40.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.49121 GHz	-46.01 dBm	-33.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.51006 GHz	-49.38 dBm	-36.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74748 GHz	-45.46 dBm	-32.46 dB

Date: 29.MAR.2015 14:23:15

Highest Channel / 16QAM



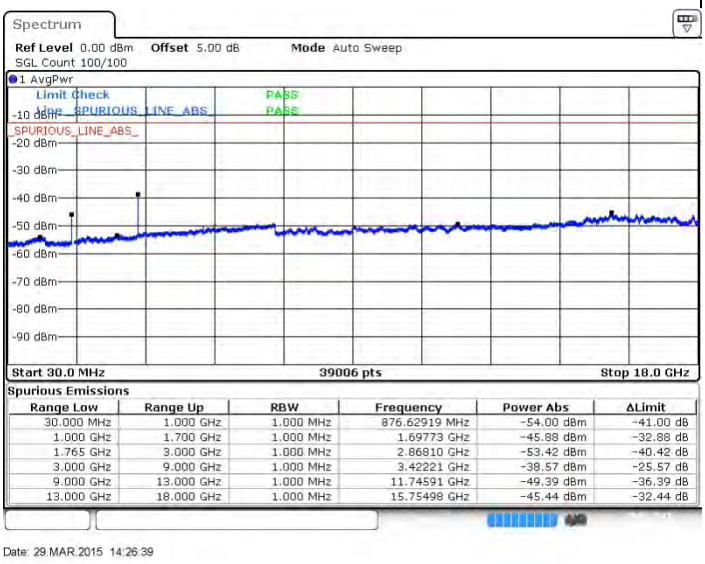
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.35782 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-55.14 dBm	-42.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97798 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.49121 GHz	-46.17 dBm	-33.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74291 GHz	-49.54 dBm	-36.54 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74206 GHz	-45.54 dBm	-32.54 dB

Date: 29.MAR.2015 14:24:37

LTE Band 4 / 15MHz

Lowest Channel / QPSK

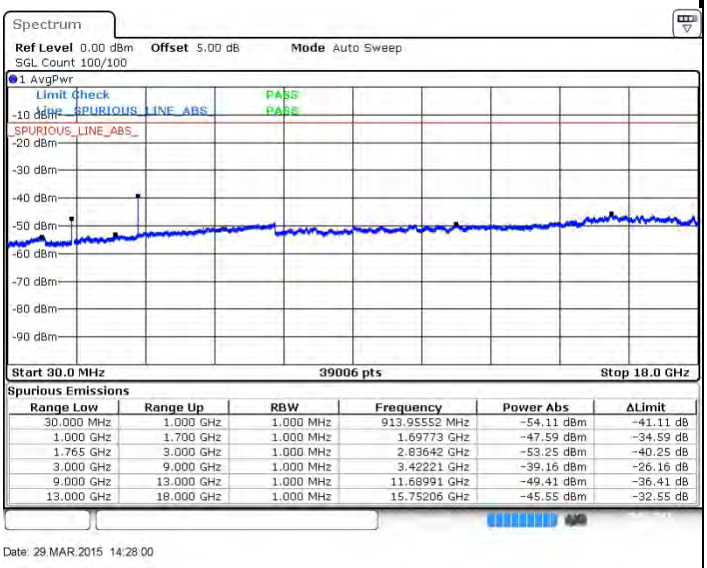


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.62919 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-45.88 dBm	-32.88 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86810 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-38.57 dBm	-25.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74591 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75498 GHz	-45.44 dBm	-32.44 dB

Date: 29.MAR.2015 14:26:39

Lowest Channel / 16QAM

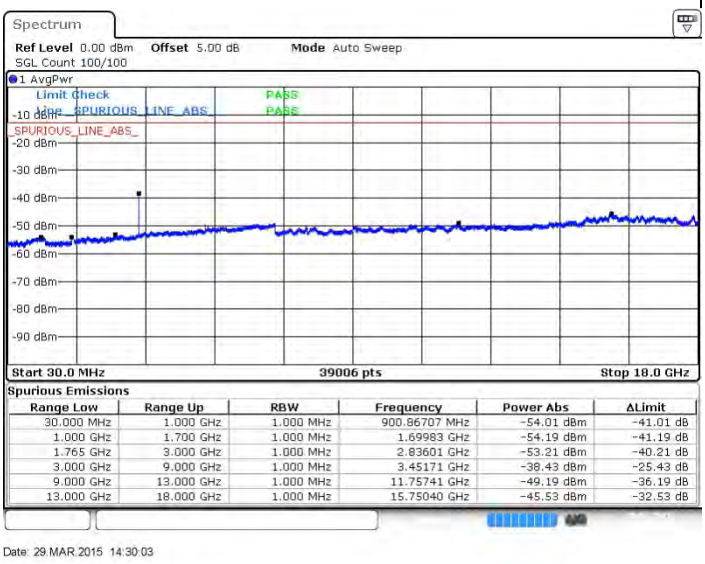


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-54.11 dBm	-41.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-47.59 dBm	-34.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83642 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-39.16 dBm	-26.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.68991 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75206 GHz	-45.55 dBm	-32.55 dB

Date: 29.MAR.2015 14:28:00

Middle Channel / QPSK

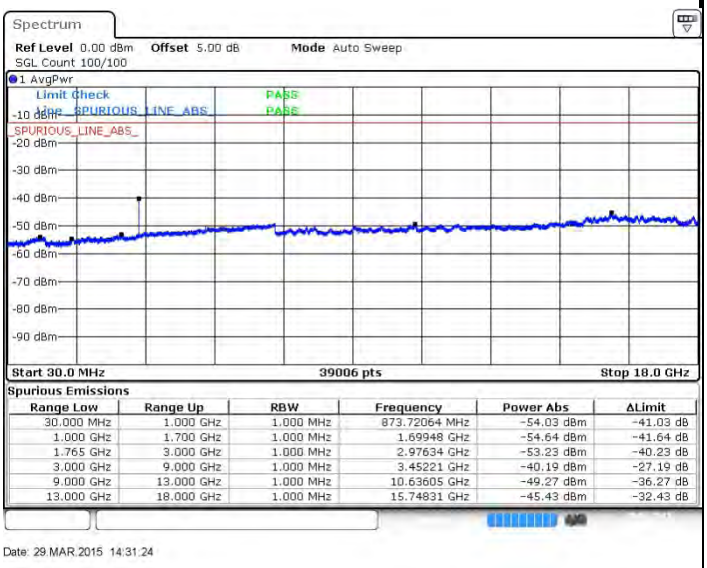


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.19 dBm	-41.19 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83601 GHz	-53.21 dBm	-40.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-38.43 dBm	-25.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75741 GHz	-49.19 dBm	-36.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75040 GHz	-45.53 dBm	-32.53 dB

Date: 29.MAR.2015 14:30:03

Middle Channel / 16QAM



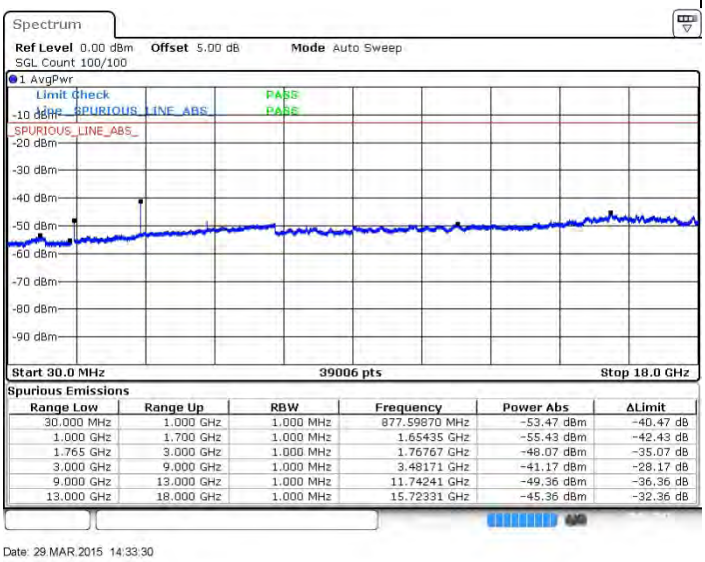
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-54.64 dBm	-41.64 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97634 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45221 GHz	-40.19 dBm	-27.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63605 GHz	-49.27 dBm	-36.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74831 GHz	-45.43 dBm	-32.43 dB

Date: 29.MAR.2015 14:31:24

LTE Band 4 / 15MHz

Highest Channel / QPSK

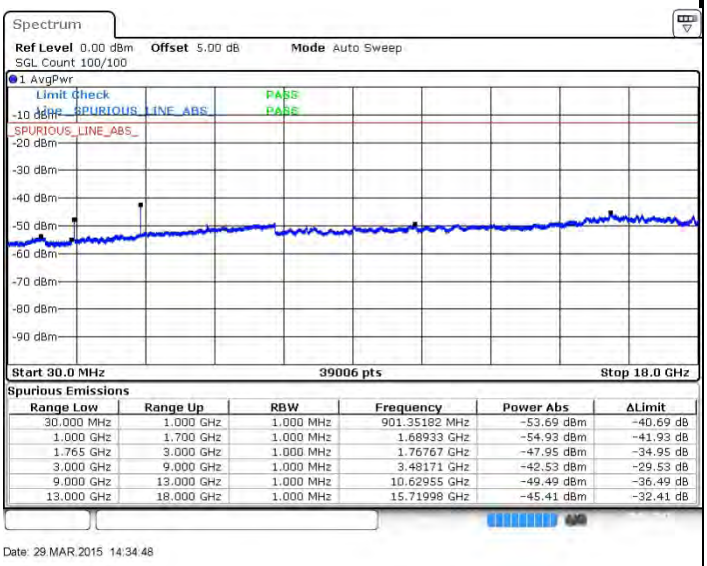


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-53.47 dBm	-40.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65435 GHz	-55.43 dBm	-42.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-48.07 dBm	-35.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74241 GHz	-49.36 dBm	-36.36 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72331 GHz	-45.36 dBm	-32.36 dB

Date: 29.MAR.2015 14:33:30

Highest Channel / 16QAM



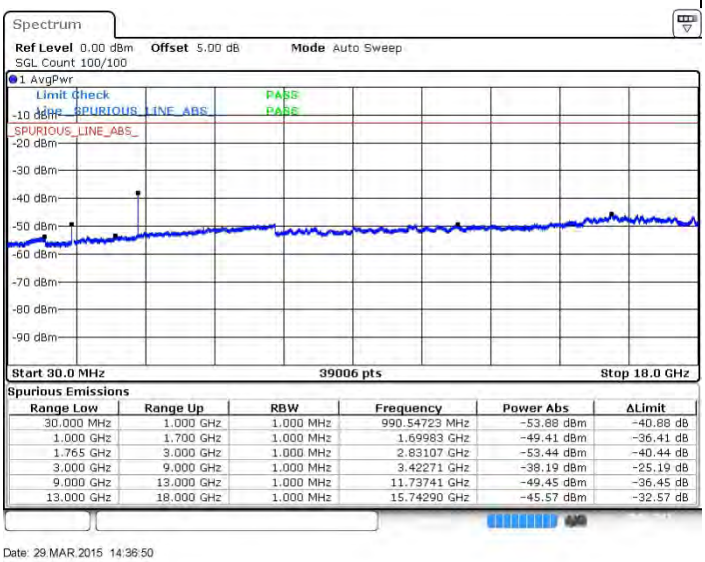
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-53.69 dBm	-40.69 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68933 GHz	-54.93 dBm	-41.93 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-47.95 dBm	-34.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-42.53 dBm	-29.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62955 GHz	-49.49 dBm	-36.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71998 GHz	-45.41 dBm	-32.41 dB

Date: 29.MAR.2015 14:34:48

LTE Band 4 / 20MHz

Lowest Channel / QPSK

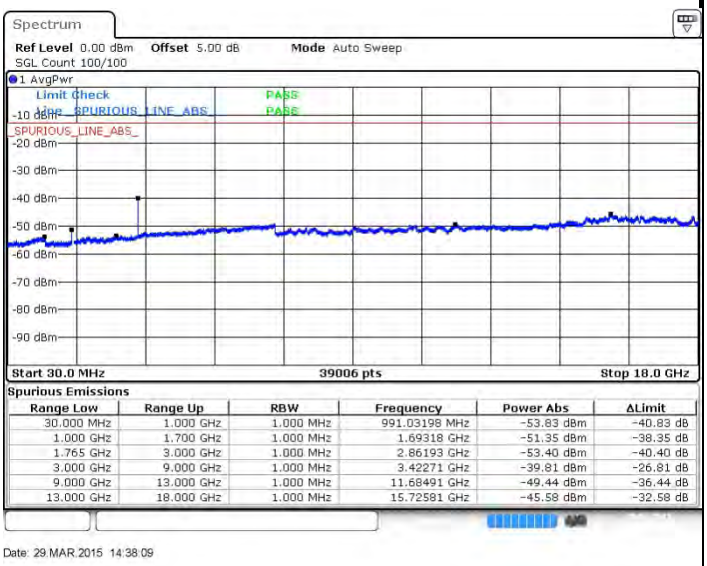


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-49.41 dBm	-36.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83107 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-38.19 dBm	-25.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73741 GHz	-49.45 dBm	-36.45 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74290 GHz	-45.57 dBm	-32.57 dB

Date: 29.MAR.2015 14:36:50

Lowest Channel / 16QAM



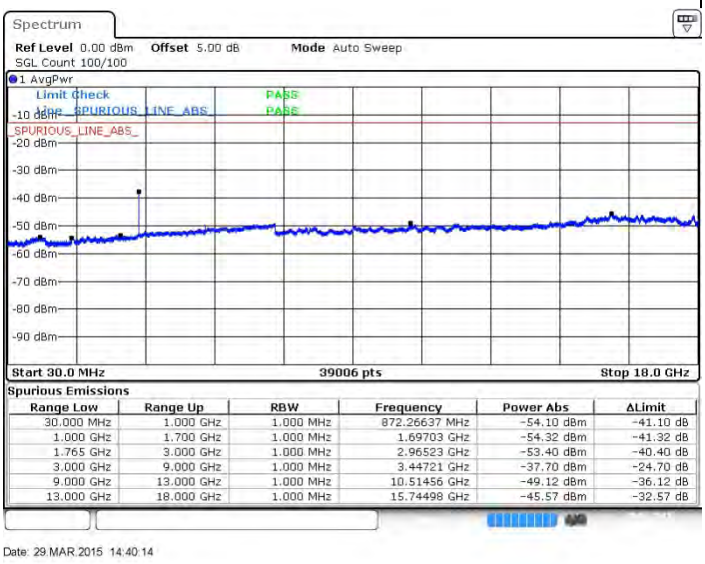
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-53.83 dBm	-40.83 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-51.35 dBm	-38.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86193 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-39.81 dBm	-26.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.68491 GHz	-49.44 dBm	-36.44 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72581 GHz	-45.58 dBm	-32.58 dB

Date: 29.MAR.2015 14:38:09

LTE Band 4 / 20MHz

Middle Channel / QPSK

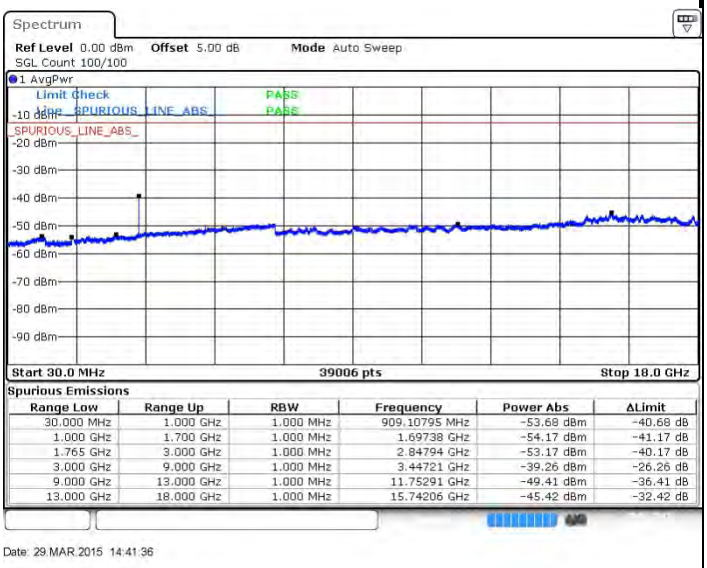


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	872.26637 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69703 GHz	-54.32 dBm	-41.32 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96523 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-37.70 dBm	-24.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.51456 GHz	-49.12 dBm	-36.12 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74498 GHz	-45.57 dBm	-32.57 dB

Date: 29.MAR.2015 14:40:14

Middle Channel / 16QAM

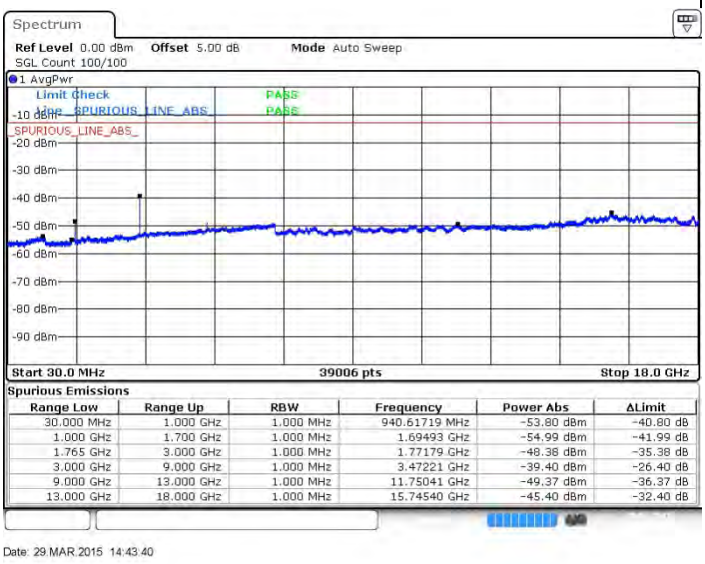


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.10795 MHz	-53.68 dBm	-40.68 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-54.17 dBm	-41.17 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84794 GHz	-53.17 dBm	-40.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-39.26 dBm	-26.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75291 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74206 GHz	-45.42 dBm	-32.42 dB

Date: 29.MAR.2015 14:41:36

Highest Channel / QPSK

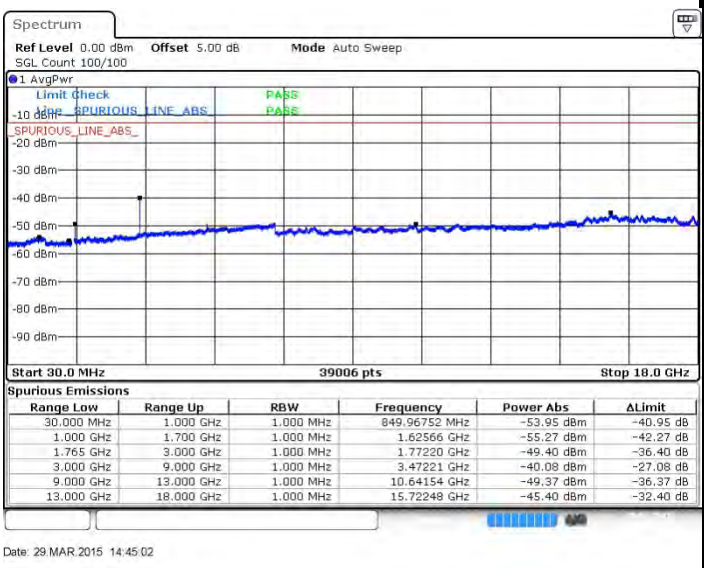


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.61719 MHz	-53.80 dBm	-40.80 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69493 GHz	-54.99 dBm	-41.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-48.38 dBm	-35.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-39.40 dBm	-26.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75041 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74540 GHz	-45.40 dBm	-32.40 dB

Date: 29.MAR.2015 14:43:40

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	849.96752 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62566 GHz	-55.27 dBm	-42.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-49.40 dBm	-36.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-40.08 dBm	-27.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64154 GHz	-49.37 dBm	-36.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72248 GHz	-45.40 dBm	-32.40 dB

Date: 29.MAR.2015 14:45:02

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0050	PASS
40	Normal Voltage	0.0065	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.