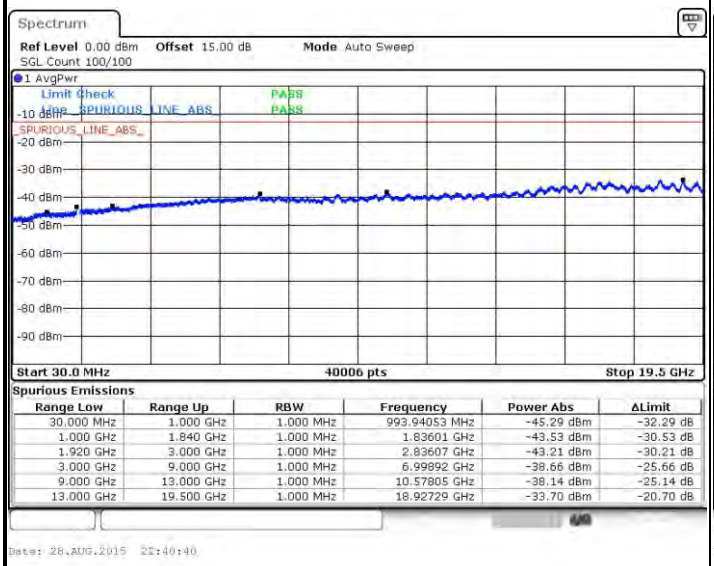
LTE Band 2 / 20MHz

Middle Channel / QPSK

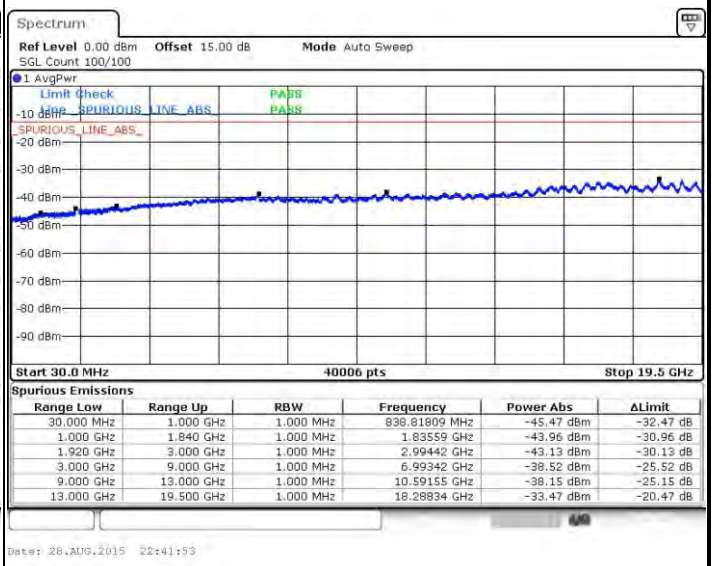


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-45.29 dBm	-32.29 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83601 GHz	-43.53 dBm	-30.53 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83607 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-38.66 dBm	-25.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57805 GHz	-38.14 dBm	-25.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.92729 GHz	-33.70 dBm	-20.70 dB

Date: 28.AUG.2015 22:40:40

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	838.81809 MHz	-45.47 dBm	-32.47 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-43.96 dBm	-30.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99442 GHz	-43.13 dBm	-30.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-38.52 dBm	-25.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59155 GHz	-38.15 dBm	-25.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28834 GHz	-33.47 dBm	-20.47 dB

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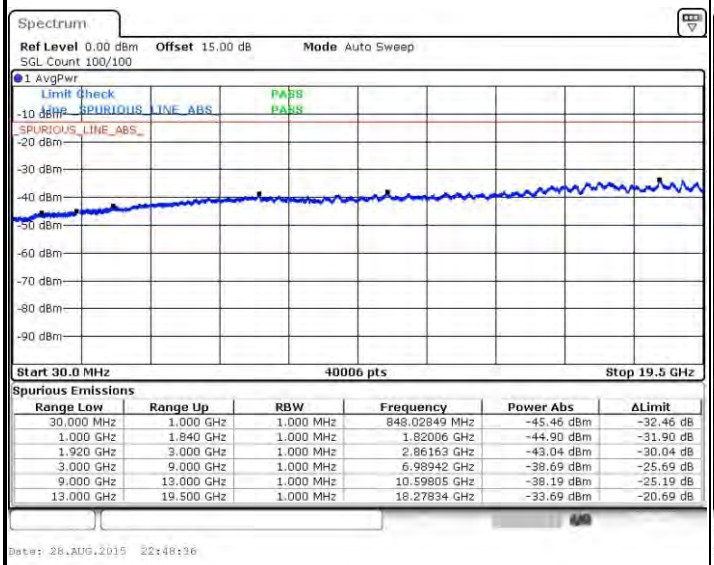
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	848.02849 MHz	-45.46 dBm	-32.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82006 GHz	-44.90 dBm	-31.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86163 GHz	-43.04 dBm	-30.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-38.69 dBm	-25.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59805 GHz	-38.19 dBm	-25.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27834 GHz	-33.69 dBm	-20.69 dB

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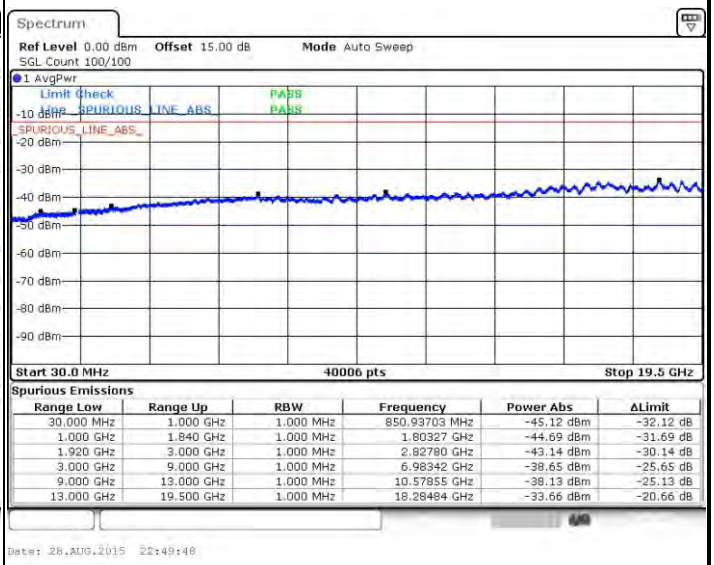
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	850.93703 MHz	-45.12 dBm	-32.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80327 GHz	-44.69 dBm	-31.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82780 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98342 GHz	-38.65 dBm	-25.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57855 GHz	-38.13 dBm	-25.13 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.28484 GHz	-33.66 dBm	-20.66 dB

Date: 28.AUG.2015 22:49:48

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0225	PASS
40	Normal Voltage	0.0197	
30	Normal Voltage	0.0183	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5V.；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.

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
20	1	0	QPSK	22.63	22.95	23.15
20	1	49		22.68	23.13	23.17
20	1	99		22.96	23.22	23.24
20	50	0		21.71	22.18	22.37
20	50	24		21.76	22.26	22.32
20	50	50		21.91	22.30	22.39
20	100	0		21.79	22.22	22.28
20	1	0	16-QAM	21.85	22.10	22.36
20	1	49		21.89	22.19	22.42
20	1	99		21.94	22.32	22.26
20	50	0		20.70	21.09	21.30
20	50	24		20.72	21.15	21.28
20	50	50		20.85	21.19	21.24
20	100	0		20.75	21.14	21.22
15	1	0	QPSK	22.58	23.01	23.20
15	1	37		22.65	23.16	23.19
15	1	74		22.75	23.19	23.02
15	36	0		21.69	22.12	22.35
15	36	20		21.71	22.19	22.31
15	36	39		21.76	22.25	22.24
15	75	0		21.74	22.20	22.30
15	1	0	16-QAM	21.84	22.14	22.43
15	1	37		21.91	22.20	22.44
15	1	74		21.92	22.32	22.26
15	36	0		20.67	21.04	21.28
15	36	20		20.69	21.10	21.27
15	36	39		20.74	21.16	21.21
15	75	0		20.71	21.10	21.25

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.55	23.03	23.18
10	1	25		22.59	23.10	23.17
10	1	49		22.58	23.16	22.98
10	25	0		21.62	22.14	22.27
10	25	12		21.65	22.18	22.24
10	25	25		21.68	22.22	22.17
10	50	0		21.66	22.24	22.26
10	1	0	16-QAM	21.79	22.10	22.44
10	1	25		21.84	22.14	22.38
10	1	49		21.82	22.20	22.19
10	25	0		20.60	21.05	21.23
10	25	12		20.63	21.10	21.20
10	25	25		20.67	21.12	21.14
10	50	0		20.63	21.14	21.23
5	1	0	QPSK	22.47	23.04	23.19
5	1	12		22.52	23.13	23.11
5	1	24		22.47	23.07	22.93
5	12	0		21.59	22.14	22.26
5	12	7		21.59	22.17	22.19
5	12	13		21.60	22.18	22.16
5	25	0		21.58	22.17	22.18
5	1	0	16-QAM	21.75	22.14	22.38
5	1	12		21.82	22.19	22.33
5	1	24		21.72	22.14	22.18
5	12	0		20.58	21.08	21.23
5	12	7		20.58	21.09	21.18
5	12	13		20.58	21.10	21.13
5	25	0		20.54	21.08	21.14

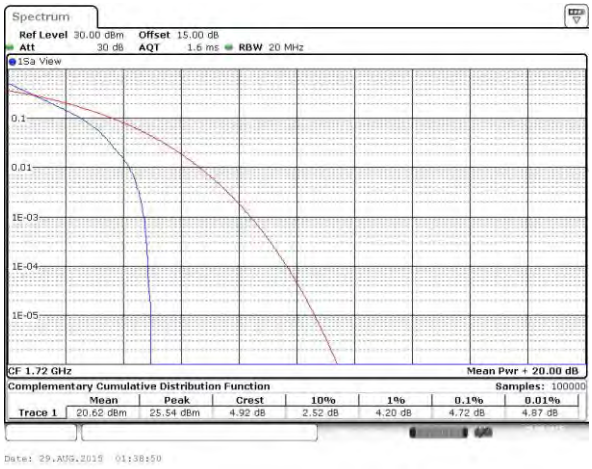
LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.43	22.99	23.04
3	1	8		22.47	23.07	23.03
3	1	14		22.40	23.02	22.93
3	8	0		21.53	22.17	22.16
3	8	4		21.54	22.17	22.12
3	8	7		21.55	22.16	22.08
3	15	0		21.55	22.17	22.11
3	1	0	16-QAM	21.57	22.02	22.22
3	1	8		21.65	22.07	22.23
3	1	14		21.59	22.05	22.13
3	8	0		20.58	21.14	21.19
3	8	4		20.58	21.13	21.16
3	8	7		20.61	21.11	21.13
3	15	0		20.57	21.11	21.11
1.4	1	0	QPSK	22.41	23.03	22.99
1.4	1	3		22.51	23.12	23.09
1.4	1	5		22.41	23.06	22.97
1.4	3	0		22.50	23.15	23.08
1.4	3	1		22.46	23.14	23.04
1.4	3	3		22.48	23.13	23.05
1.4	6	0		21.52	22.15	22.08
1.4	1	0	16-QAM	21.69	22.12	22.23
1.4	1	3		21.80	22.23	22.35
1.4	1	5		21.68	22.16	22.23
1.4	3	0		21.50	22.04	22.09
1.4	3	1		21.47	22.03	22.04
1.4	3	3		21.46	22.01	22.03
1.4	6	0		20.56	21.12	21.14

Peak-to-Average Ratio

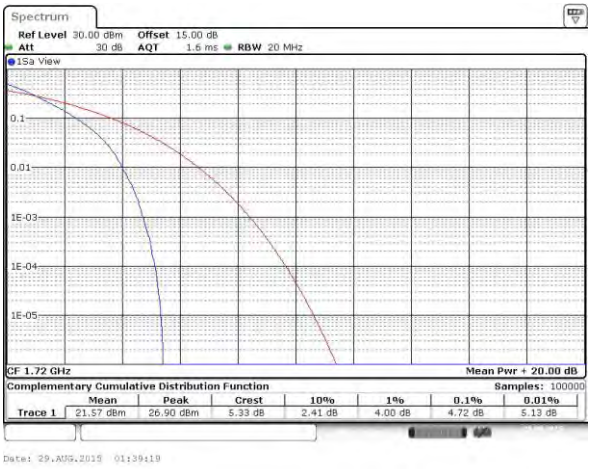
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.72	4.72	5.80	5.54	PASS
Middle CH	3.62	4.32	4.67	5.25	
Highest CH	3.54	4.70	4.70	5.71	

LTE Band 4 / 20MHz / QPSK

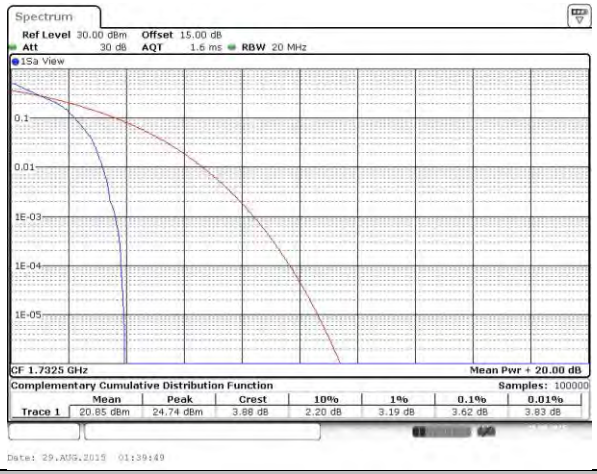
Lowest Channel / 1RB



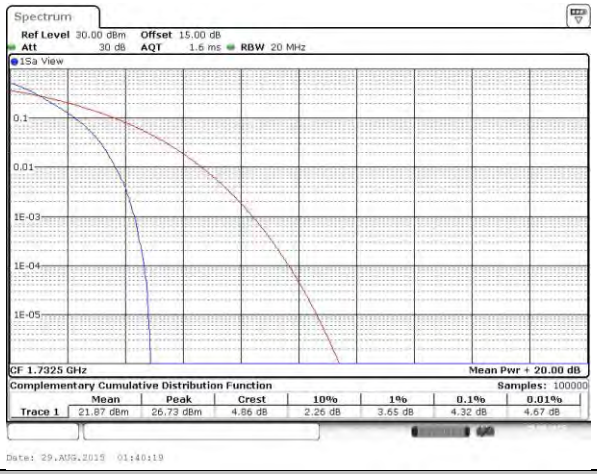
Lowest Channel / Full RB



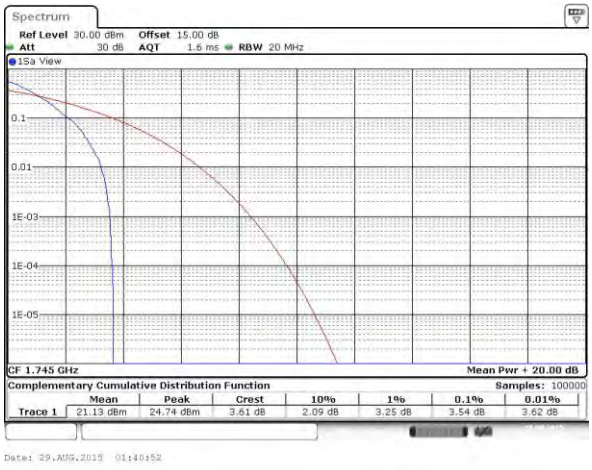
Middle Channel / 1RB



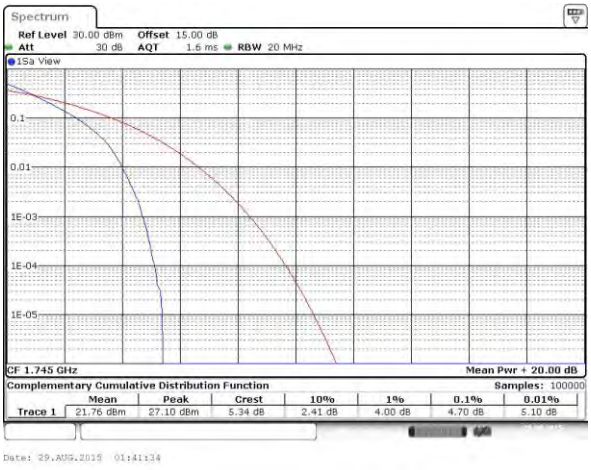
Middle Channel / Full RB



Highest Channel / 1RB

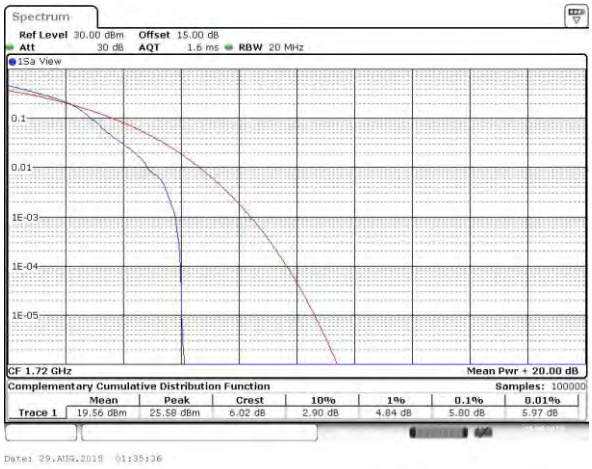


Highest Channel / Full RB

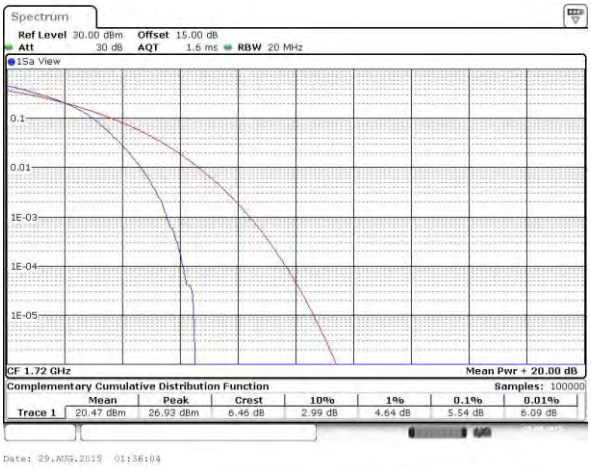


LTE Band 4 / 20MHz / 16QAM

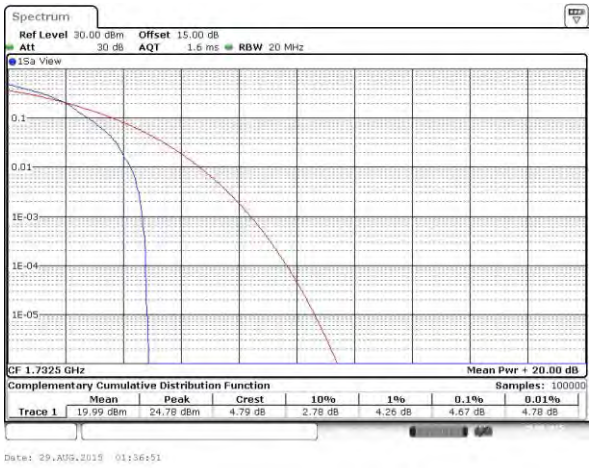
Lowest Channel / 1RB



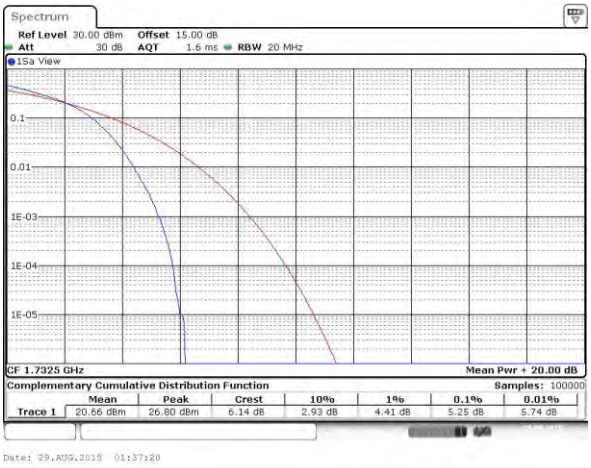
Lowest Channel / Full RB



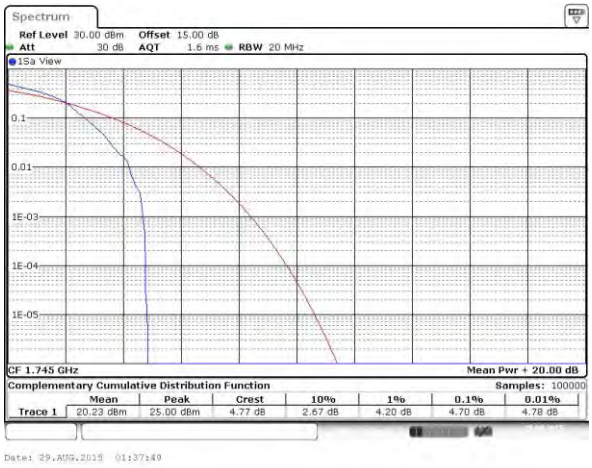
Middle Channel / 1RB



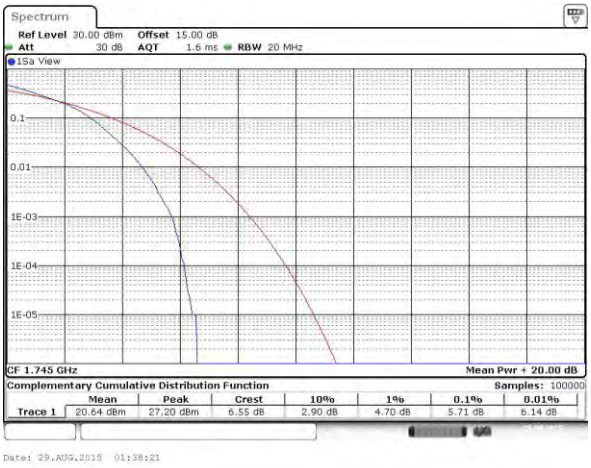
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

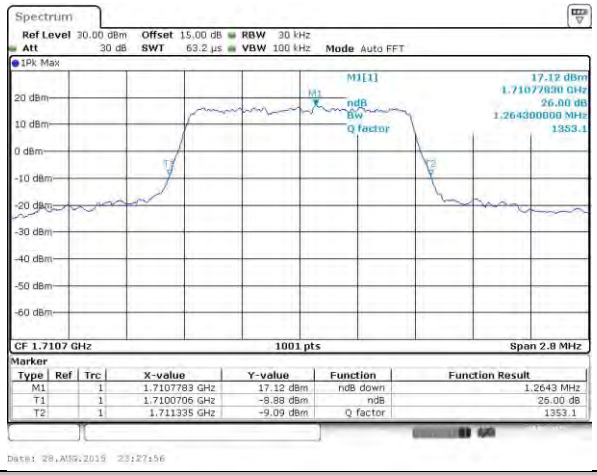


26dB Bandwidth

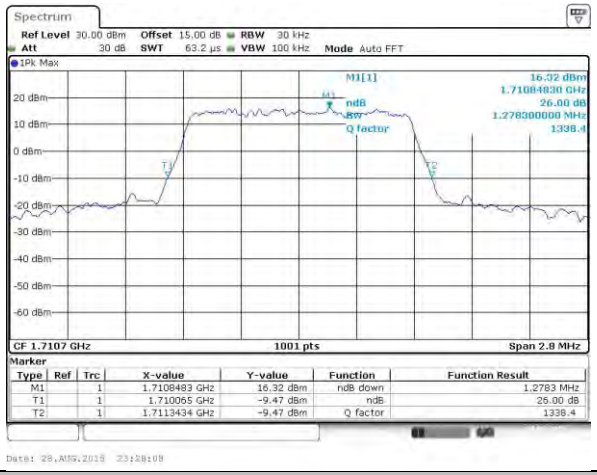
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.28	3.03	3.04	5.09	5.07	10.01	10.07	14.72	14.78	20.26	20.38
Middle CH	1.29	1.30	3.11	3.06	5.22	5.12	10.05	10.09	14.87	14.81	20.66	20.50
Highest CH	1.27	1.28	3.03	3.03	5.10	5.06	9.99	9.97	14.84	14.81	20.38	20.34

LTE Band 4

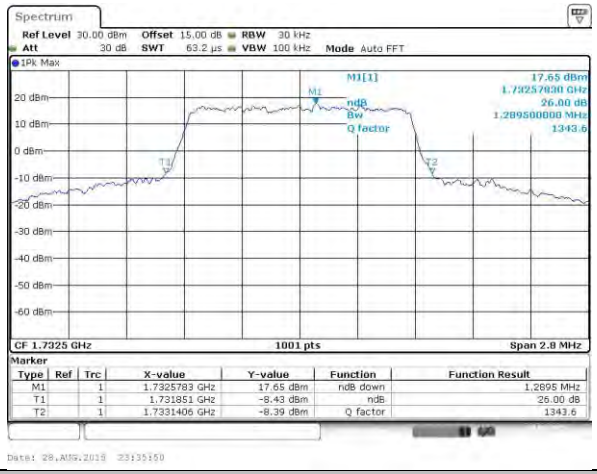
Lowest Channel / 1.4MHz / QPSK



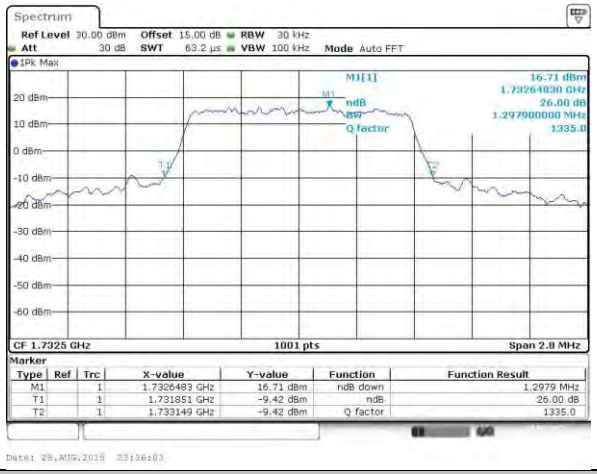
Lowest Channel / 1.4MHz / 16QAM



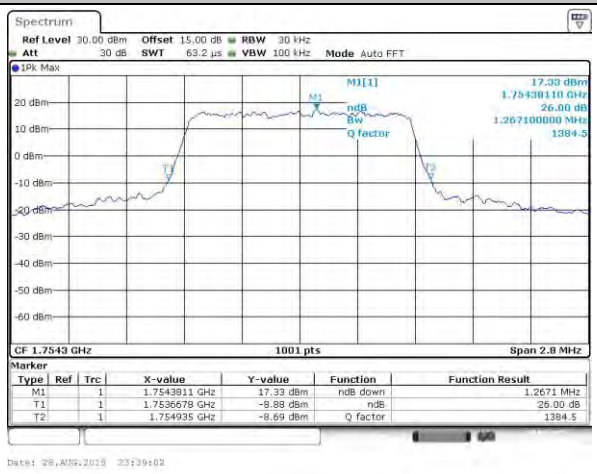
Middle Channel / 1.4MHz / QPSK



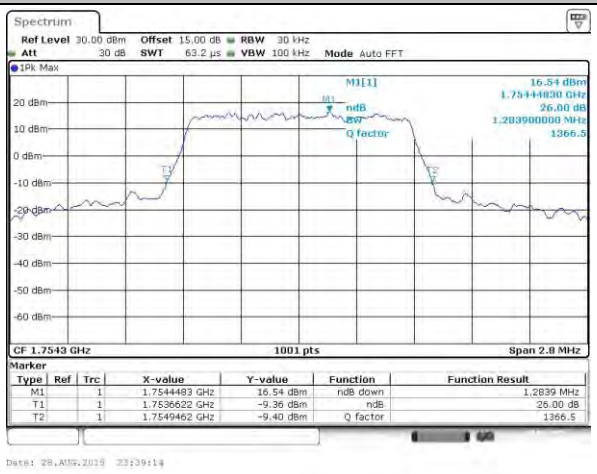
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

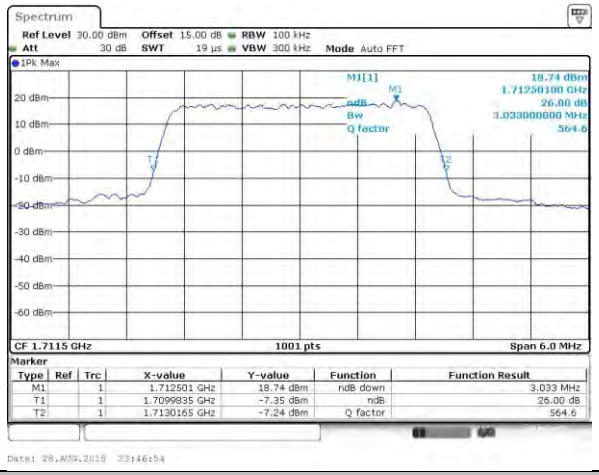


Highest Channel / 1.4MHz / 16QAM

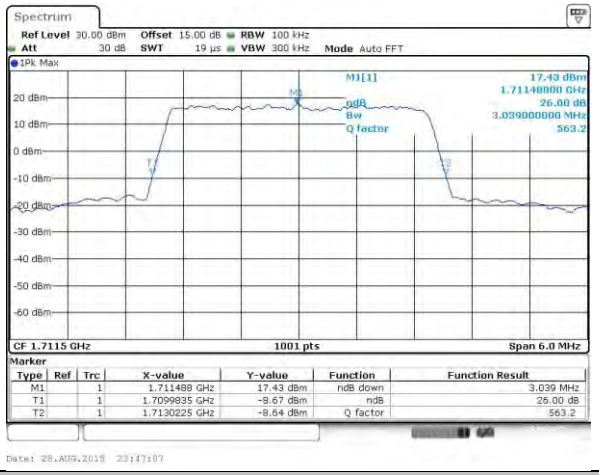


LTE Band 4

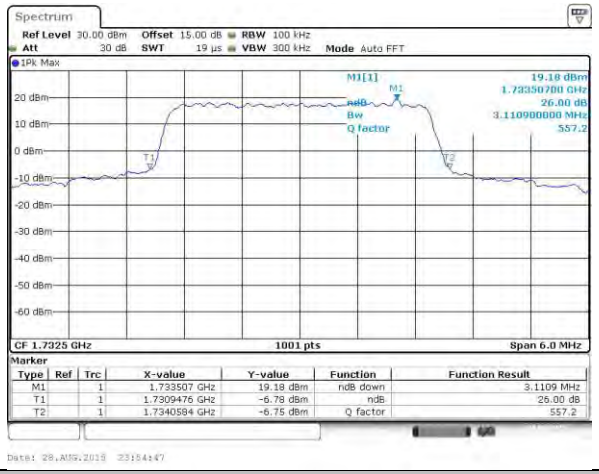
Lowest Channel / 3MHz / QPSK



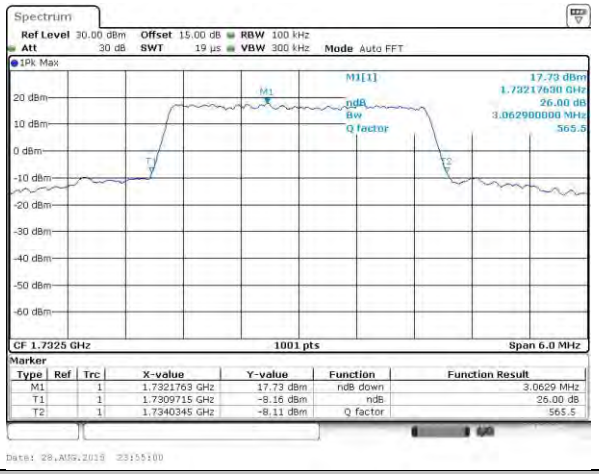
Lowest Channel / 3MHz / 16QAM



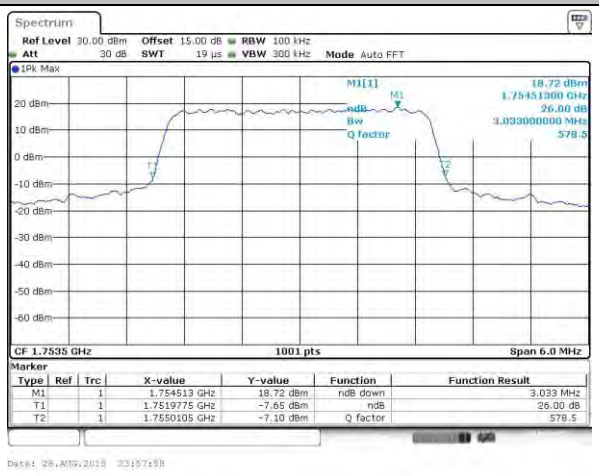
Middle Channel / 3MHz / QPSK



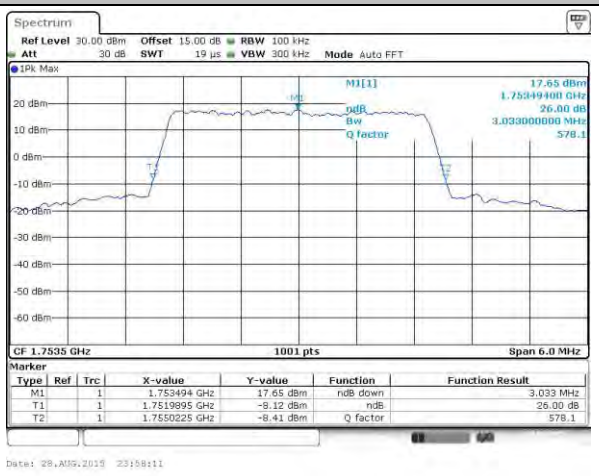
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

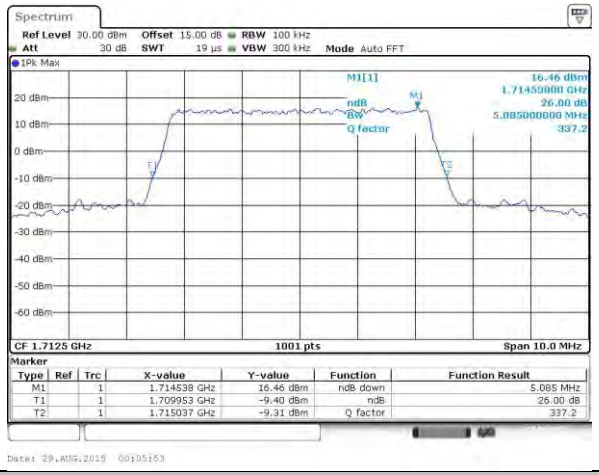


Highest Channel /3MHz / 16QAM

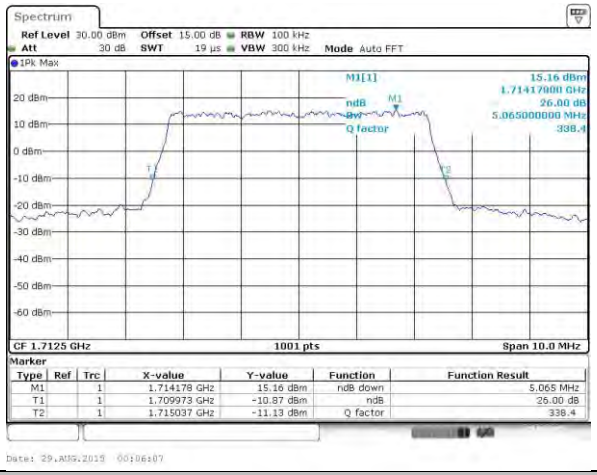


LTE Band 4

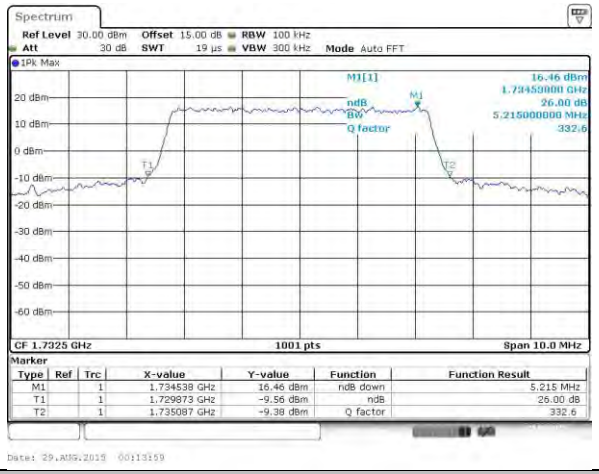
Lowest Channel / 5MHz / QPSK



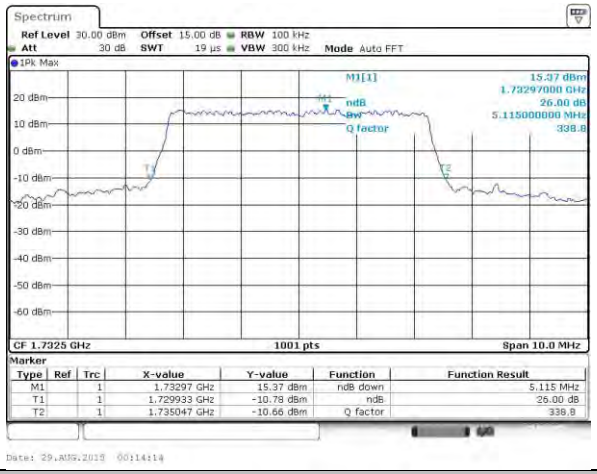
Lowest Channel / 5MHz / 16QAM



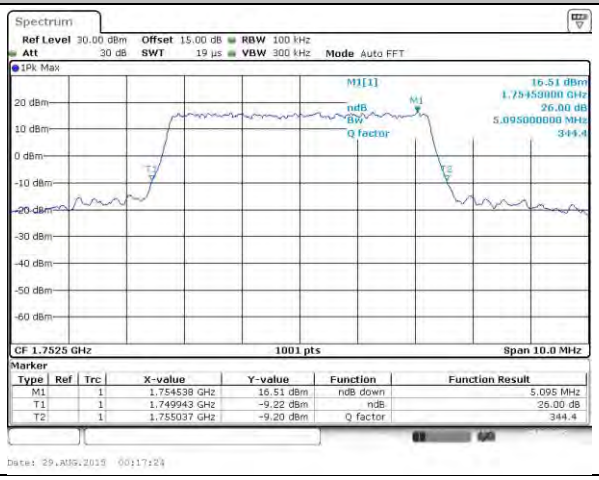
Middle Channel / 5MHz / QPSK



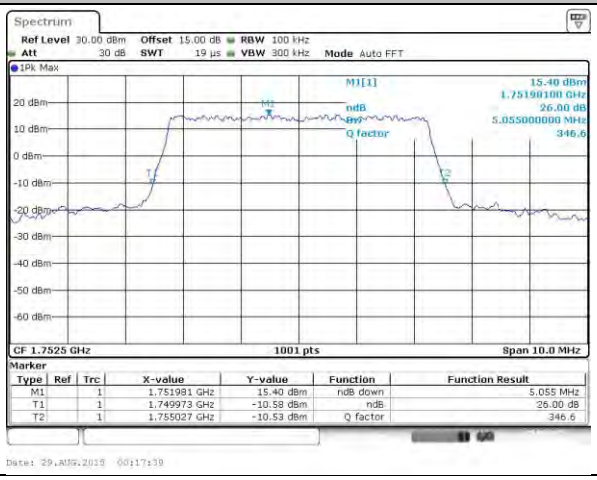
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

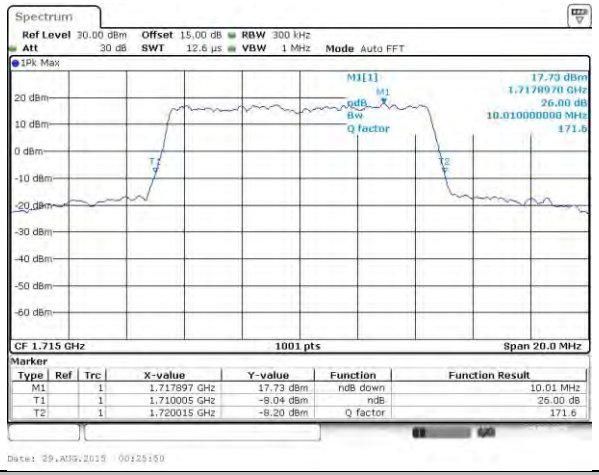


Highest Channel / 5MHz / 16QAM

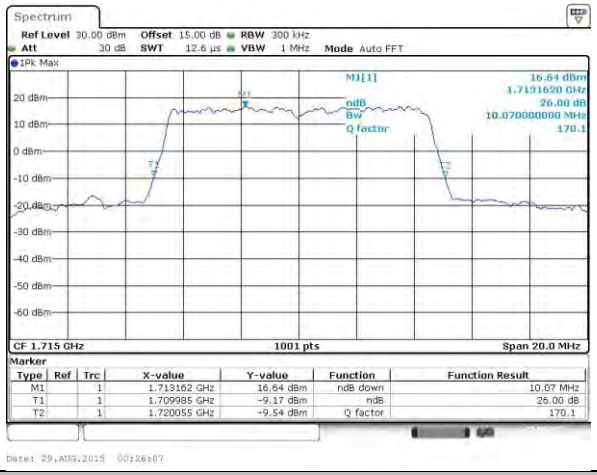


LTE Band 4

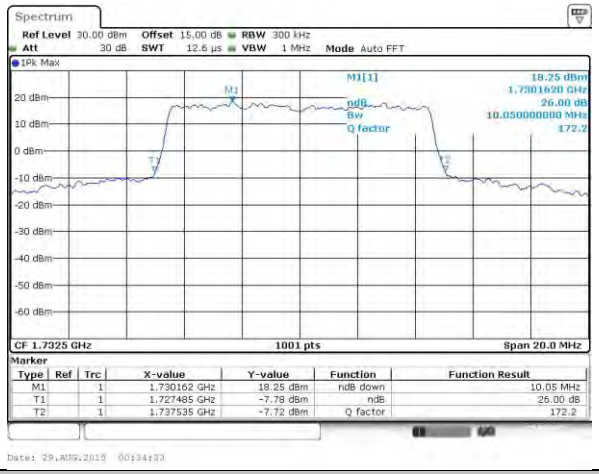
Lowest Channel / 10MHz / QPSK



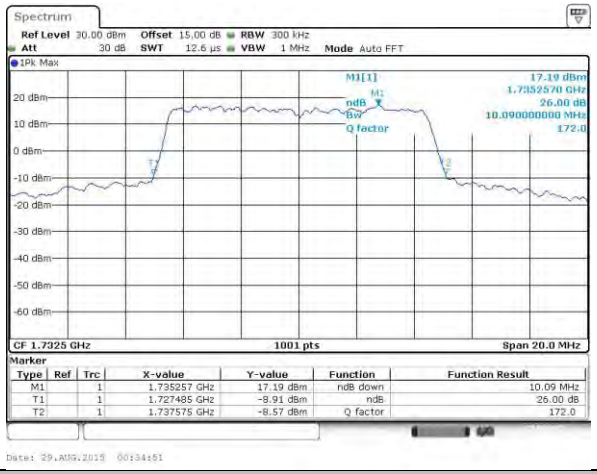
Lowest Channel / 10MHz / 16QAM



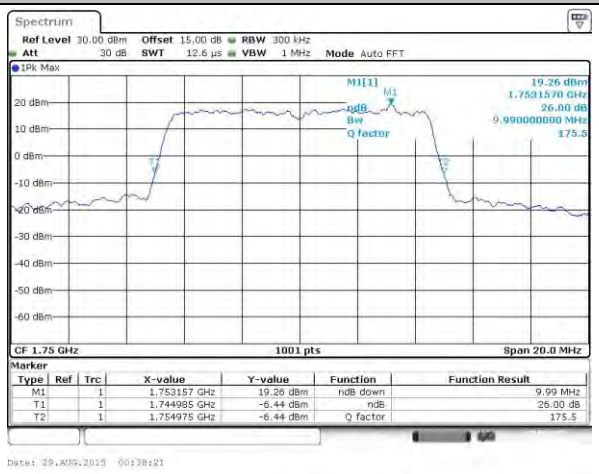
Middle Channel / 10MHz / QPSK



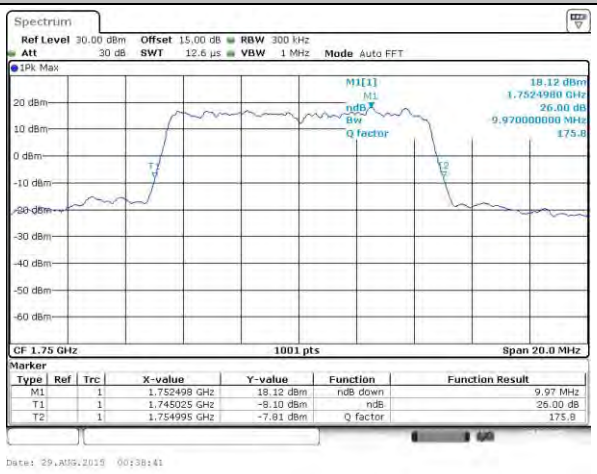
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

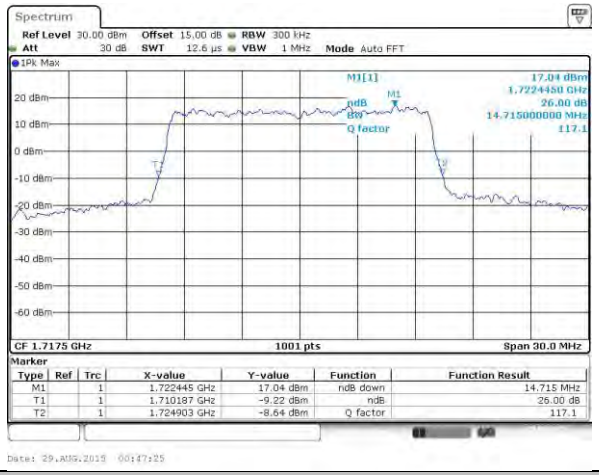


Highest Channel / 10MHz / 16QAM

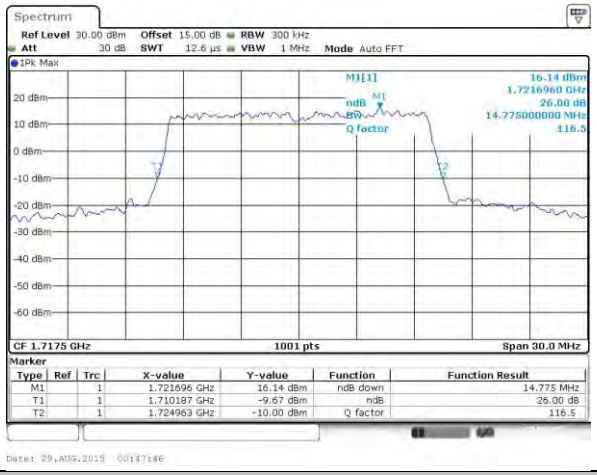


LTE Band 4

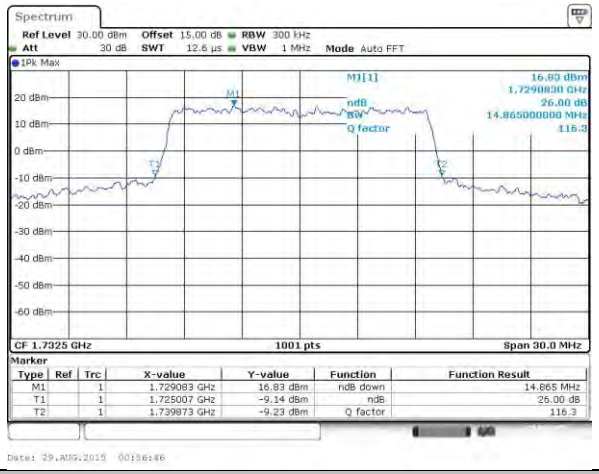
Lowest Channel / 15MHz / QPSK



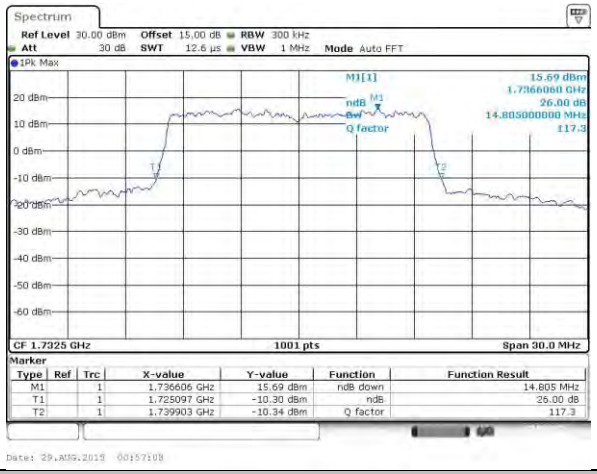
Lowest Channel / 15MHz / 16QAM



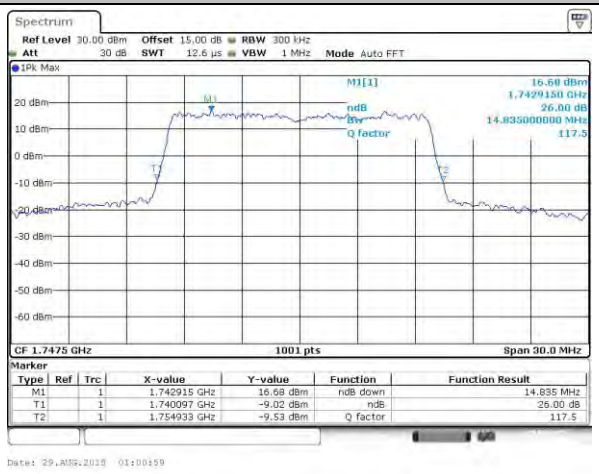
Middle Channel / 15MHz / QPSK



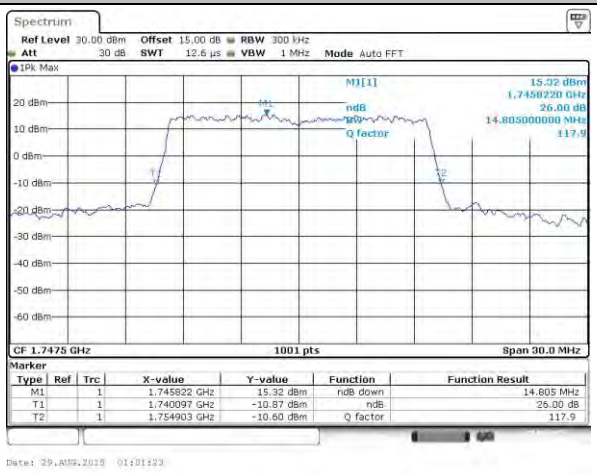
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

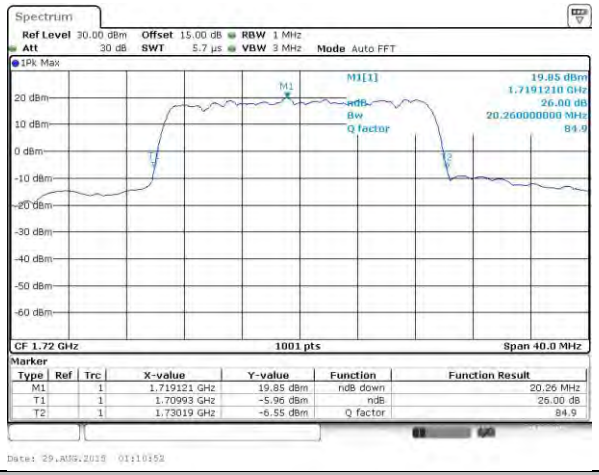


Highest Channel / 15MHz / 16QAM

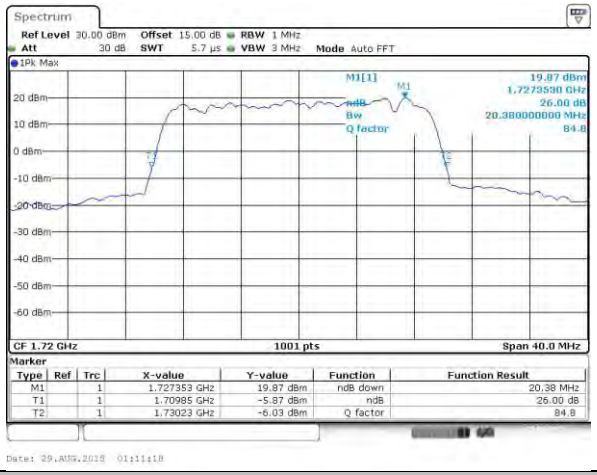


LTE Band 4

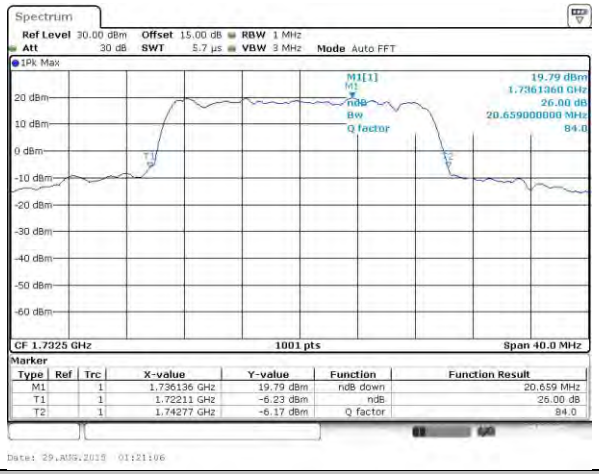
Lowest Channel / 20MHz / QPSK



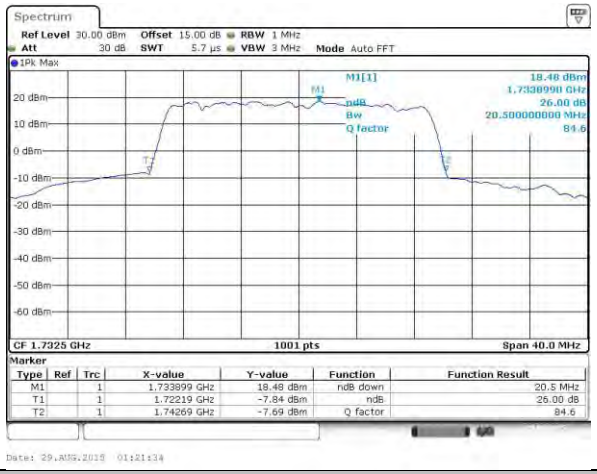
Lowest Channel / 20MHz / 16QAM



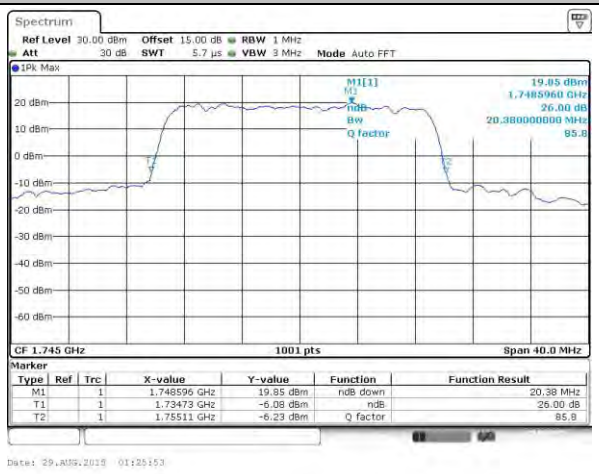
Middle Channel / 20MHz / QPSK



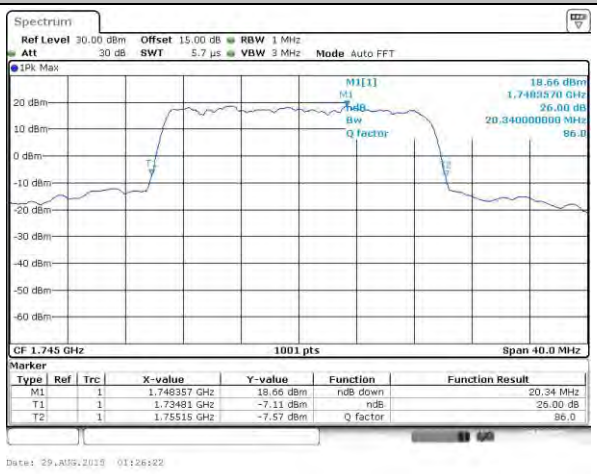
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

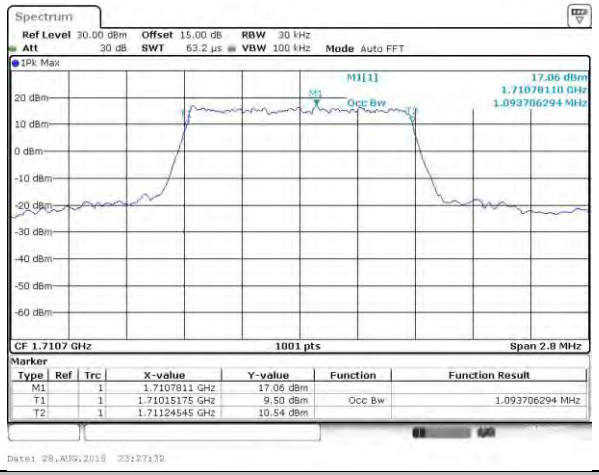


Occupied Bandwidth

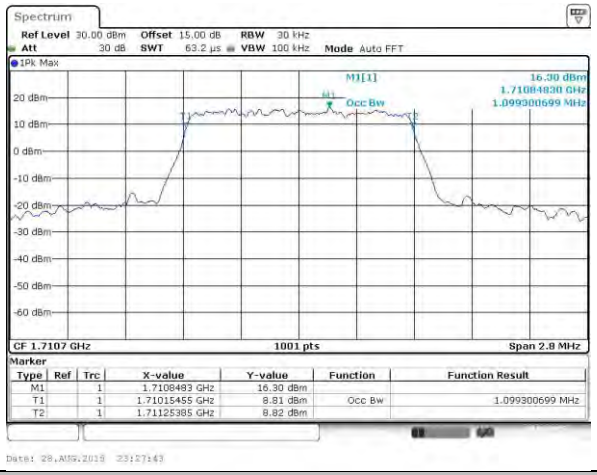
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.72	4.51	4.51	9.05	8.99	13.46	13.49	18.34	18.46
Middle CH	1.10	1.10	2.74	2.72	4.53	4.52	9.11	9.03	13.52	13.46	18.42	18.46
Highest CH	1.10	1.10	2.73	2.72	4.50	4.50	9.05	9.01	13.55	13.46	18.42	18.46

LTE Band 4

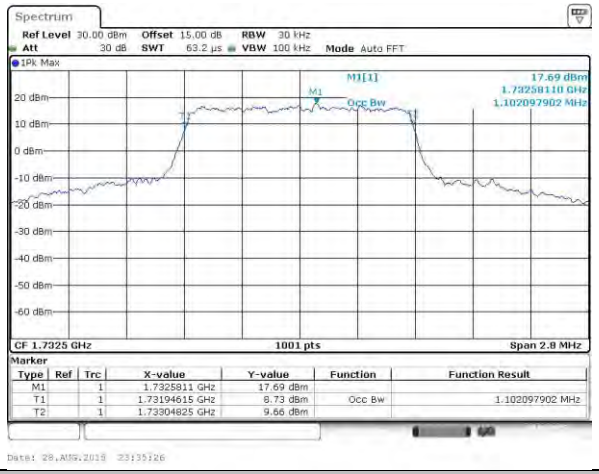
Lowest Channel / 1.4MHz / QPSK



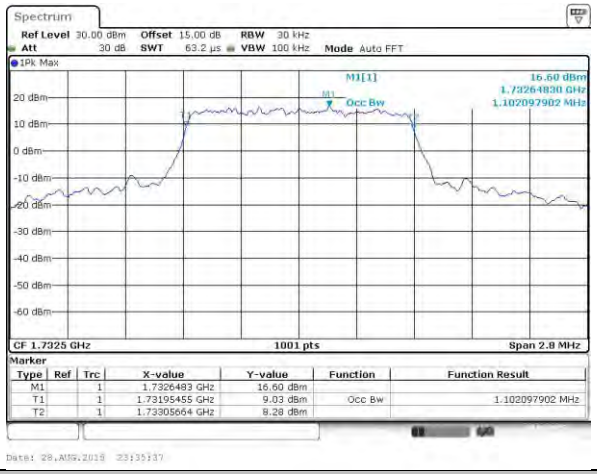
Lowest Channel / 1.4MHz / 16QAM



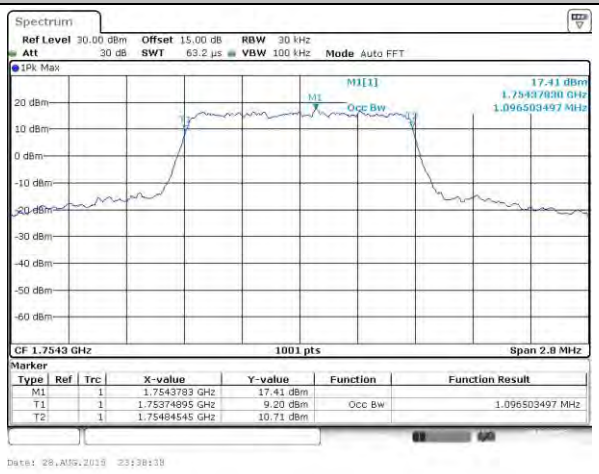
Middle Channel / 1.4MHz / QPSK



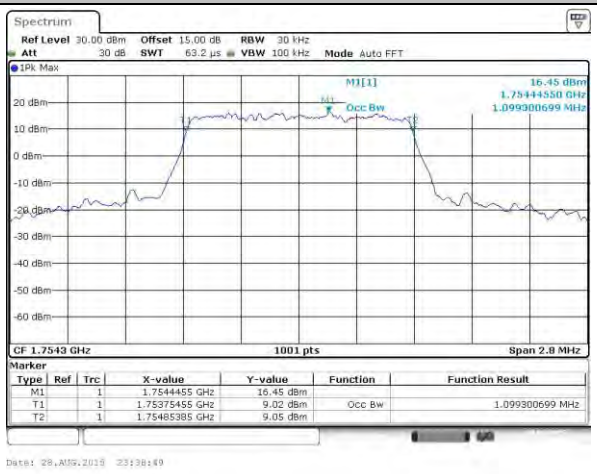
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

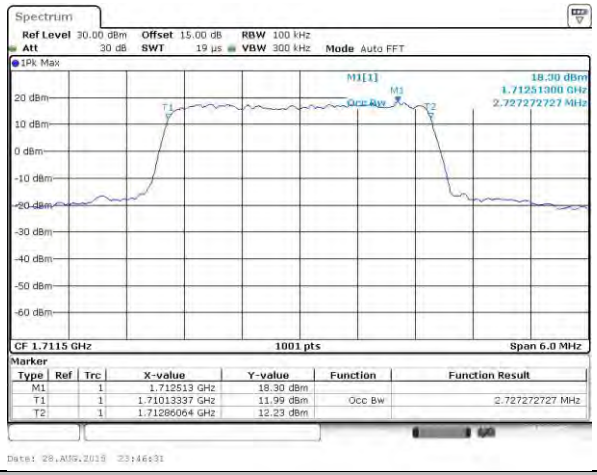


Highest Channel / 1.4MHz / 16QAM

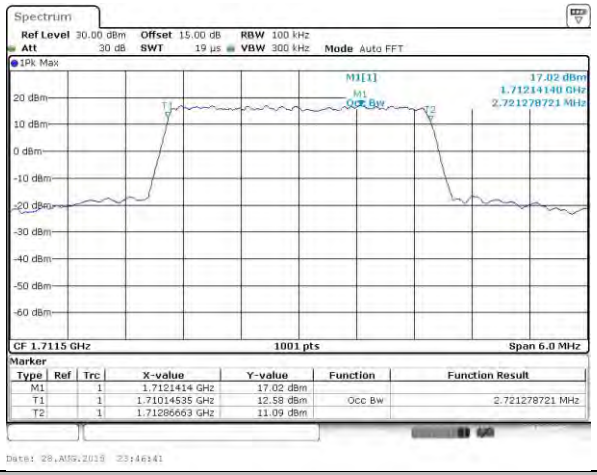


LTE Band 4

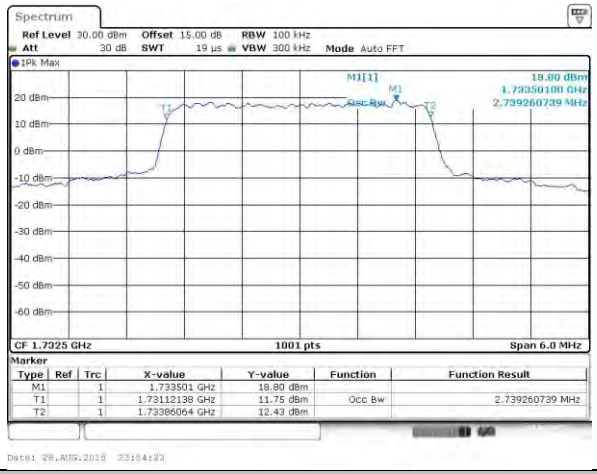
Lowest Channel / 3MHz / QPSK



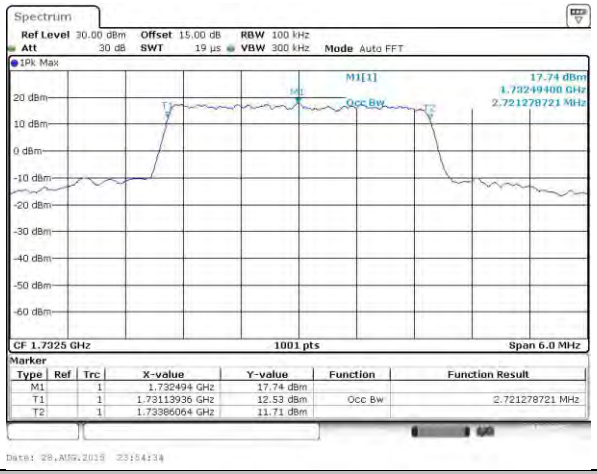
Lowest Channel / 3MHz / 16QAM



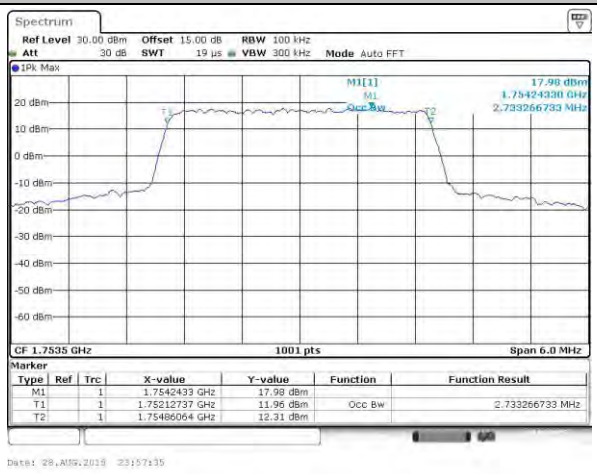
Middle Channel / 3MHz / QPSK



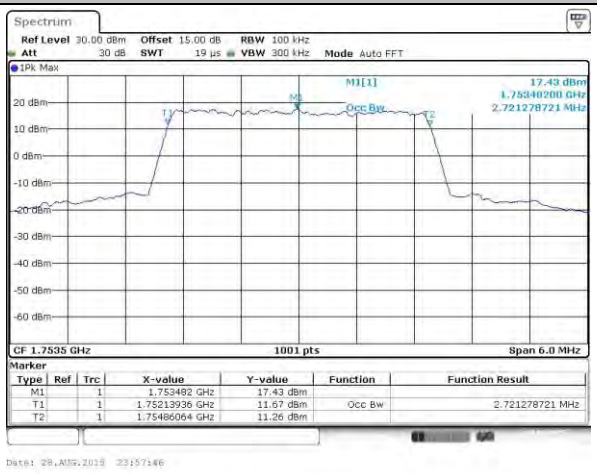
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

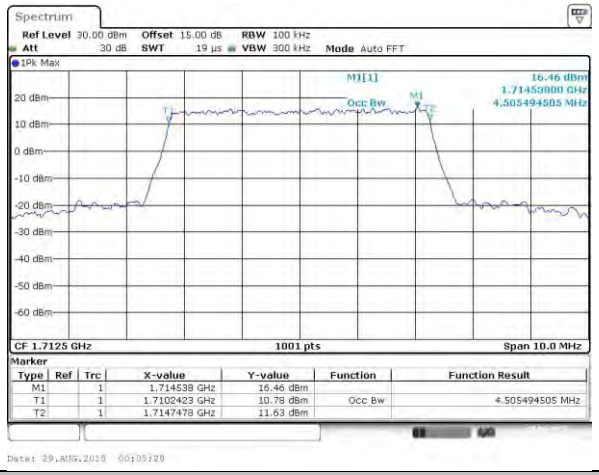


Highest Channel / 3MHz / 16QAM

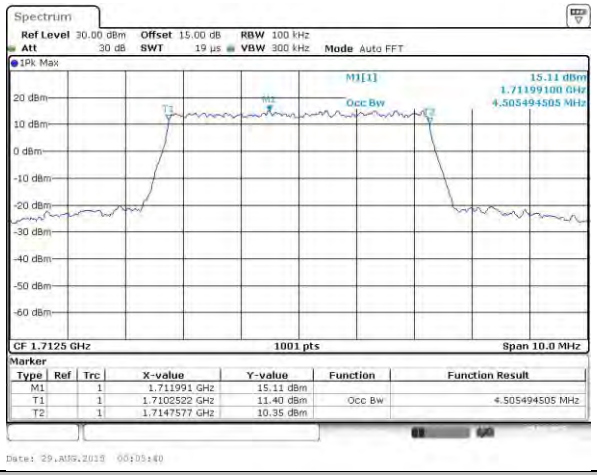


LTE Band 4

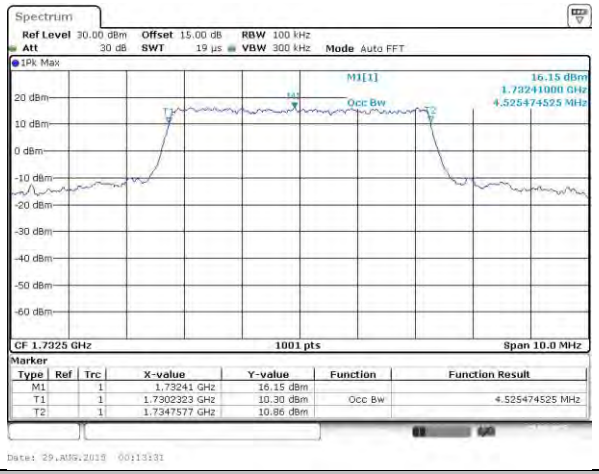
Lowest Channel / 5MHz / QPSK



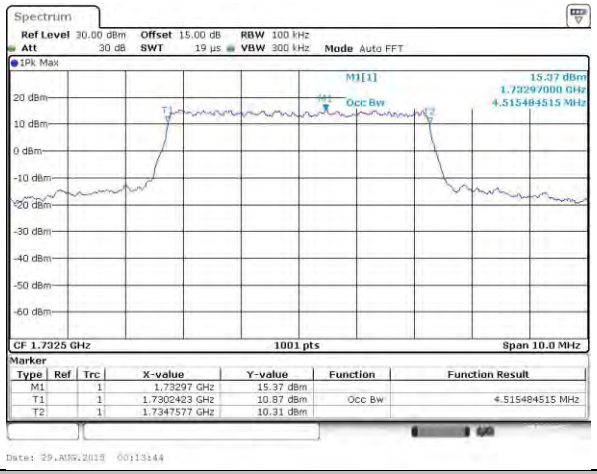
Lowest Channel / 5MHz / 16QAM



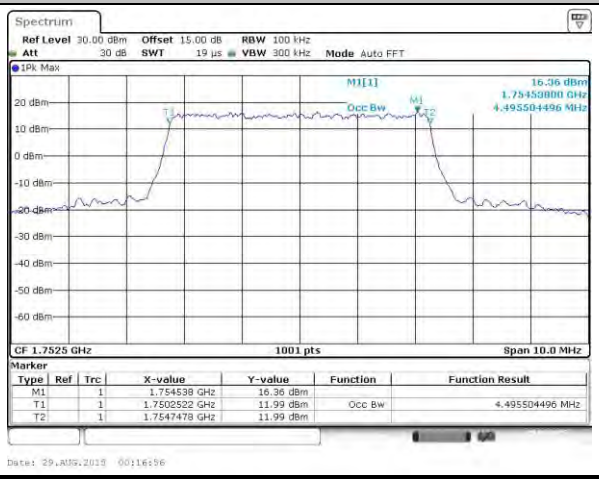
Middle Channel / 5MHz / QPSK



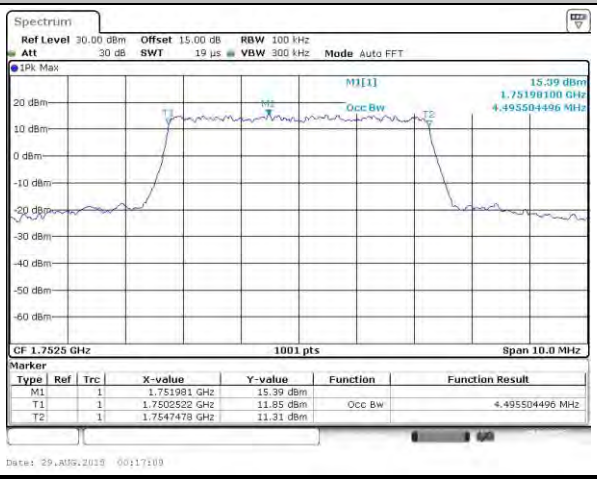
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

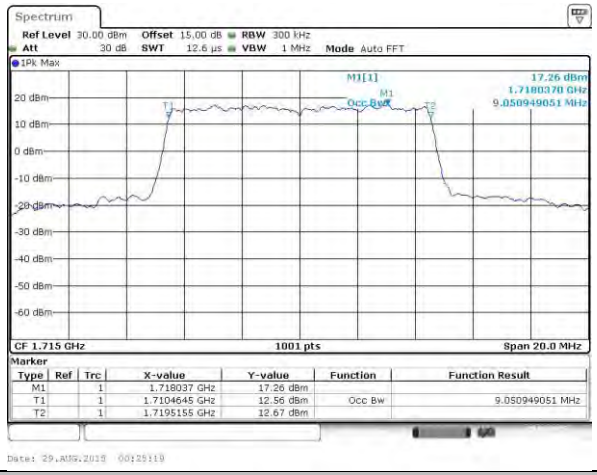


Highest Channel / 5MHz / 16QAM

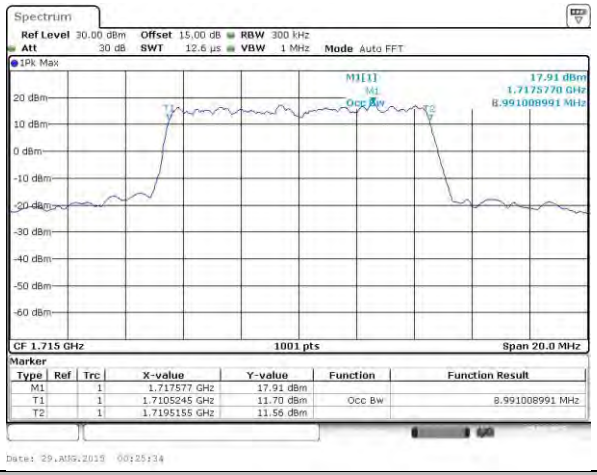


LTE Band 4

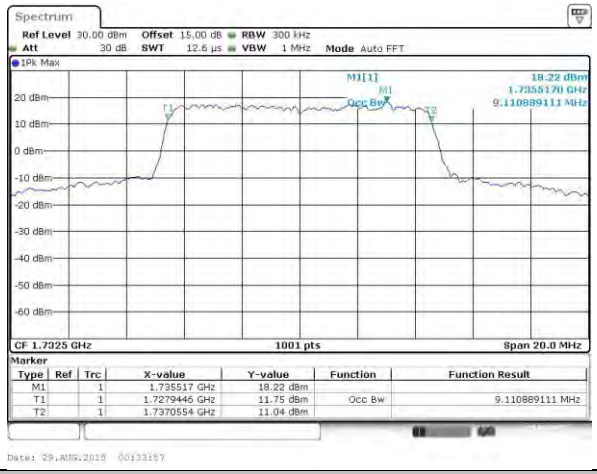
Lowest Channel / 10MHz / QPSK



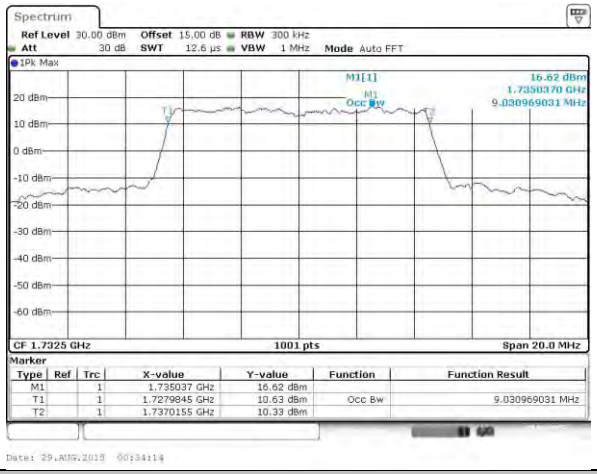
Lowest Channel / 10MHz / 16QAM



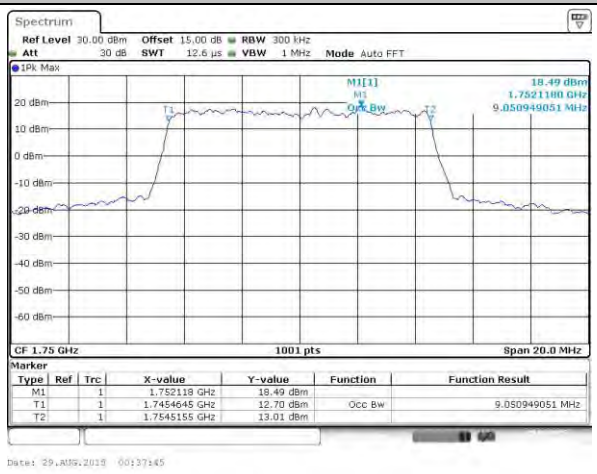
Middle Channel / 10MHz / QPSK



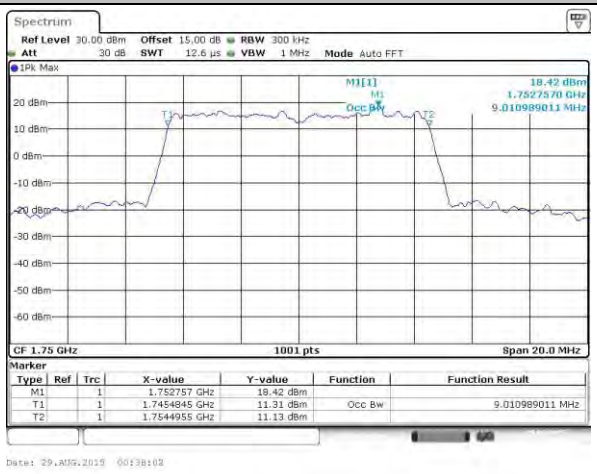
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

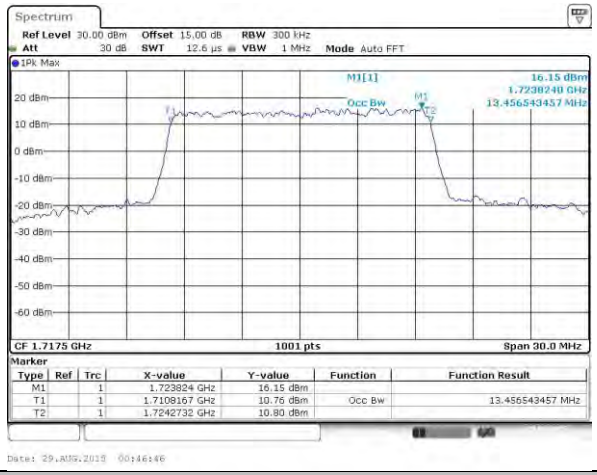


Highest Channel / 10MHz / 16QAM

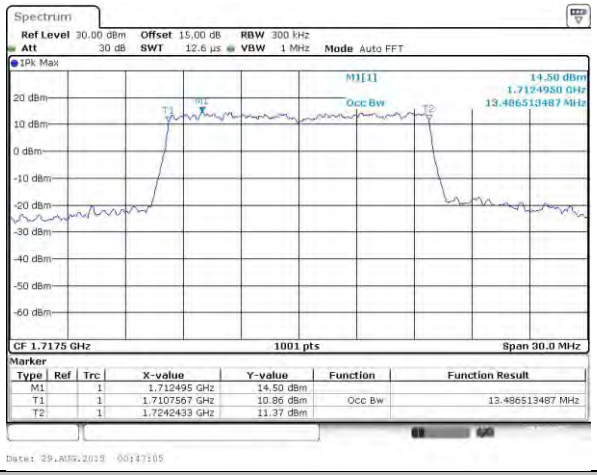


LTE Band 4

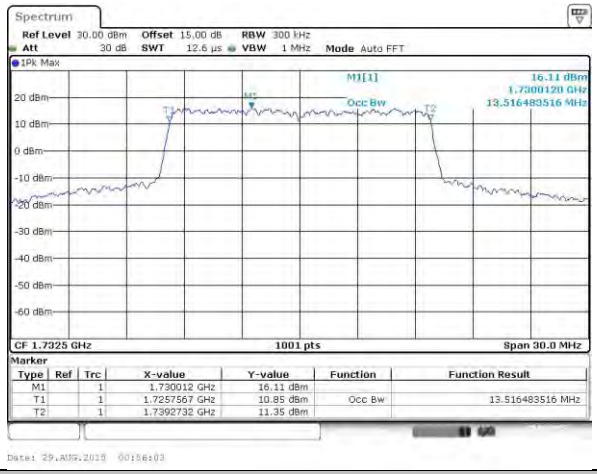
Lowest Channel / 15MHz / QPSK



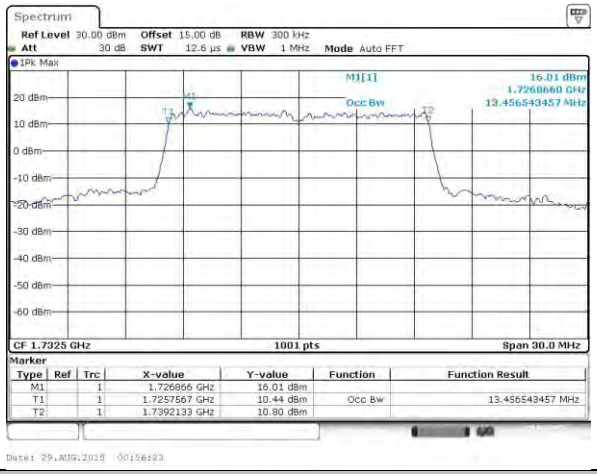
Lowest Channel / 15MHz / 16QAM



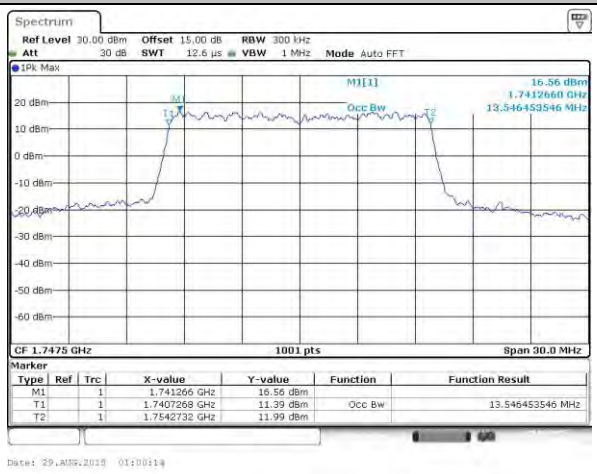
Middle Channel / 15MHz / QPSK



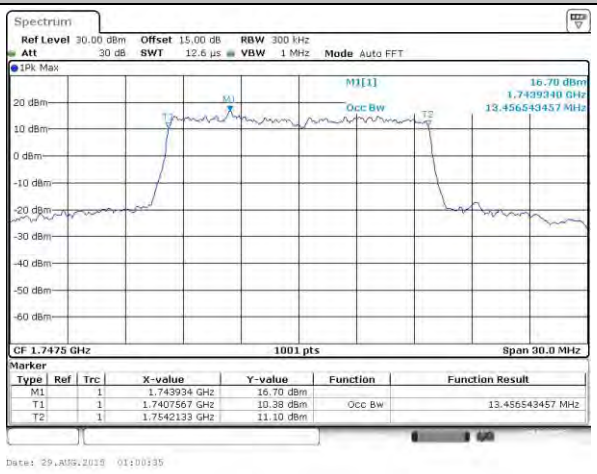
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

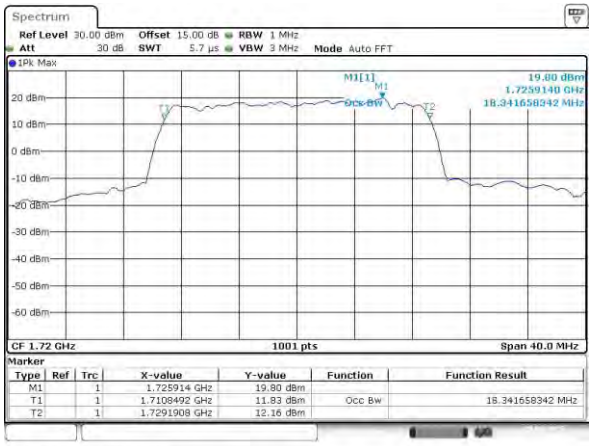


Highest Channel / 15MHz / 16QAM

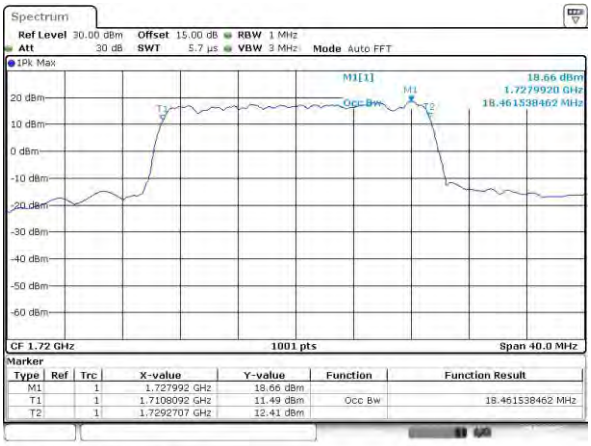


LTE Band 4

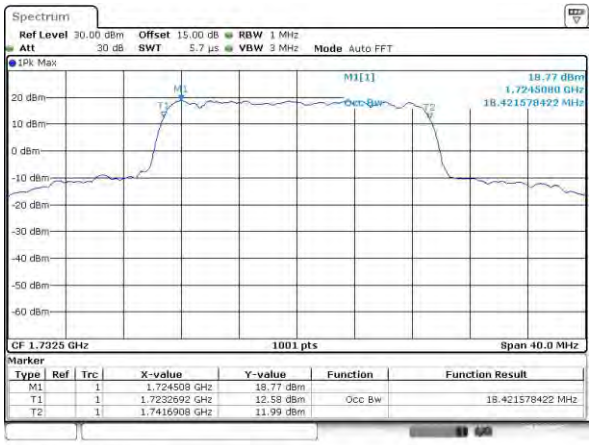
Lowest Channel / 20MHz / QPSK



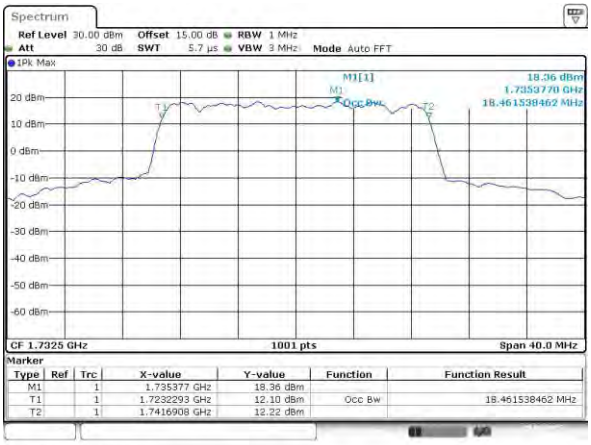
Lowest Channel / 20MHz / 16QAM



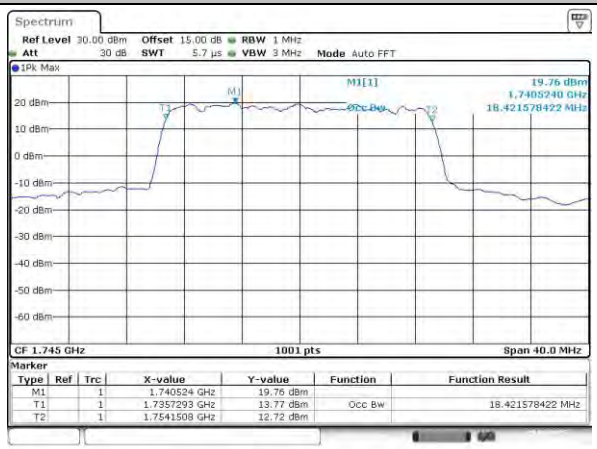
Middle Channel / 20MHz / QPSK



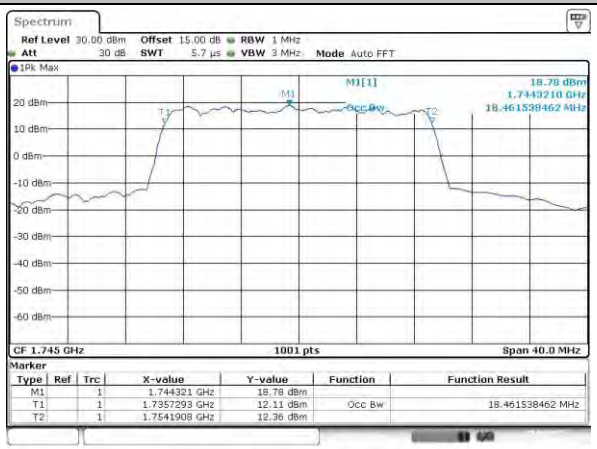
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



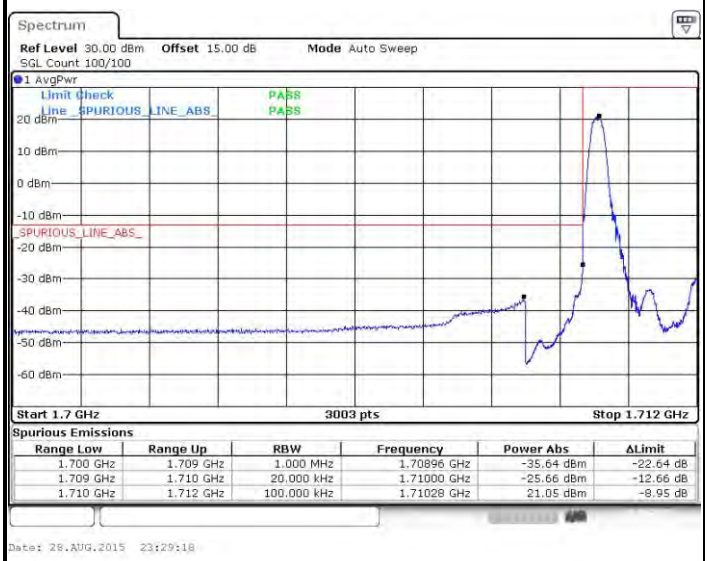
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

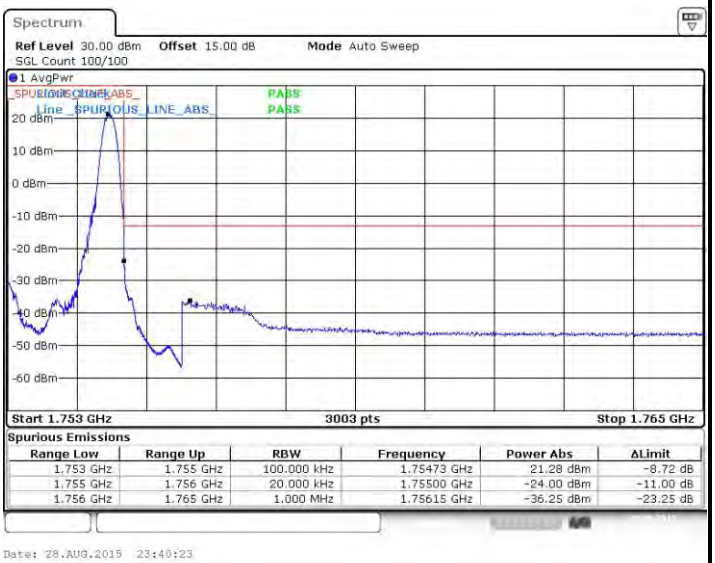


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-35.64 dBm	-22.64 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.66 dBm	-12.66 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71028 GHz	21.05 dBm	-8.95 dB

Date: 28.AUG.2015 23:29:18

Highest Band Edge / 1RB

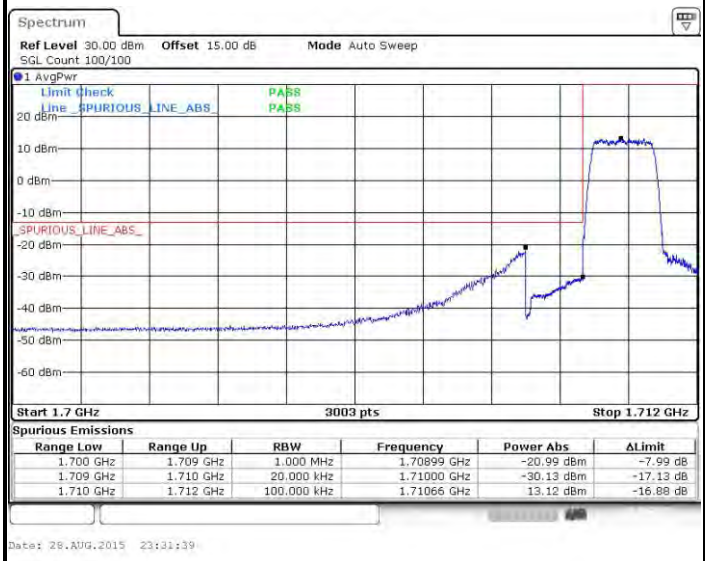


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	21.28 dBm	-8.72 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-24.00 dBm	-11.00 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-36.25 dBm	-23.25 dB

Date: 28.AUG.2015 23:40:23

Lowest Band Edge / Full RB

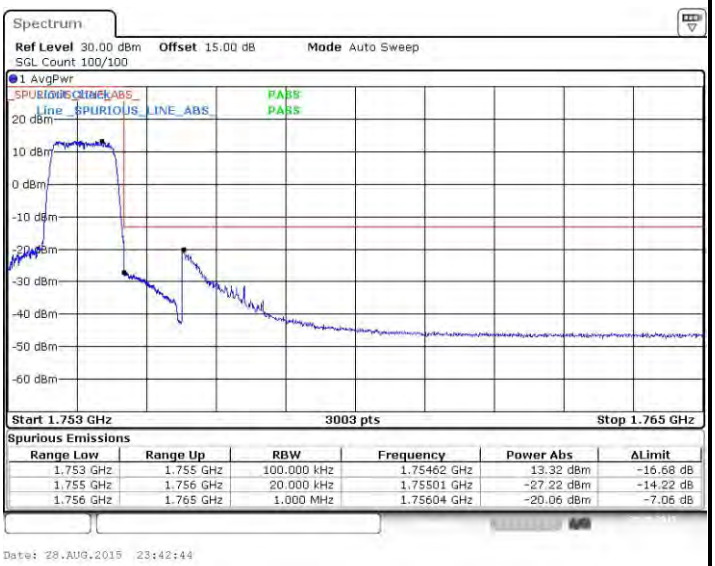


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-20.99 dBm	-7.99 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.13 dBm	-17.13 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71066 GHz	13.12 dBm	-16.88 dB

Date: 28.AUG.2015 23:31:39

Highest Band Edge / Full RB



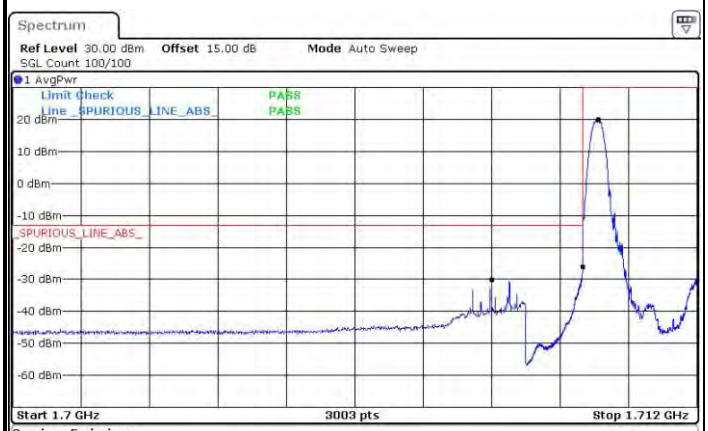
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75462 GHz	13.32 dBm	-16.68 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-27.22 dBm	-14.22 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-20.06 dBm	-7.06 dB

Date: 28.AUG.2015 23:42:44

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

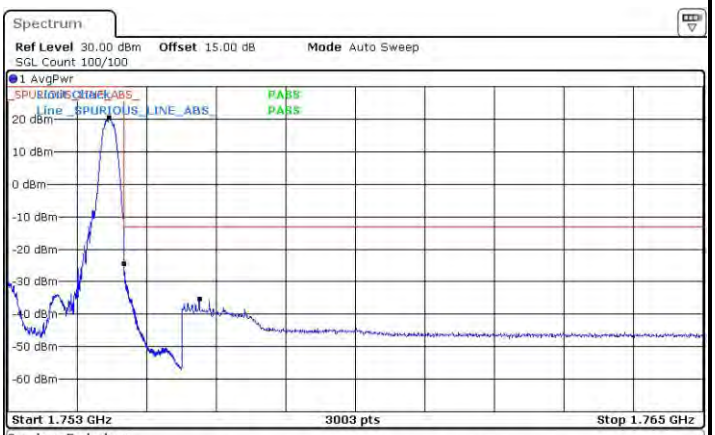


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70840 GHz	-30.04 dBm	-17.04 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.98 dBm	-12.98 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	19.84 dBm	-10.16 dB

Date: 28.AUG.2015 23:30:28

Highest Band Edge / 1 RB

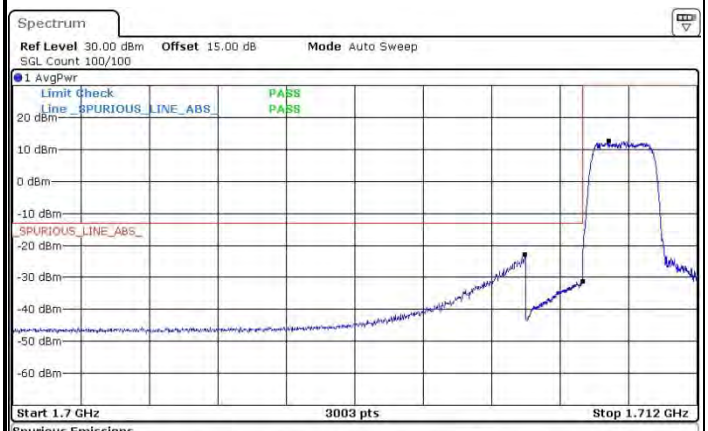


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	20.48 dBm	-9.52 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-24.47 dBm	-11.47 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75631 GHz	-35.33 dBm	-22.33 dB

Date: 28.AUG.2015 23:41:34

Lowest Band Edge / Full RB

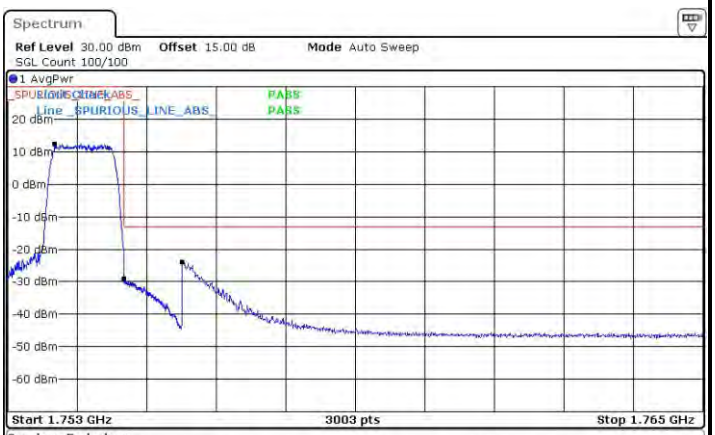


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-22.80 dBm	-9.80 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-31.16 dBm	-18.16 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71044 GHz	12.62 dBm	-17.38 dB

Date: 31.AUG.2015 20:44:12

Highest Band Edge / Full RB



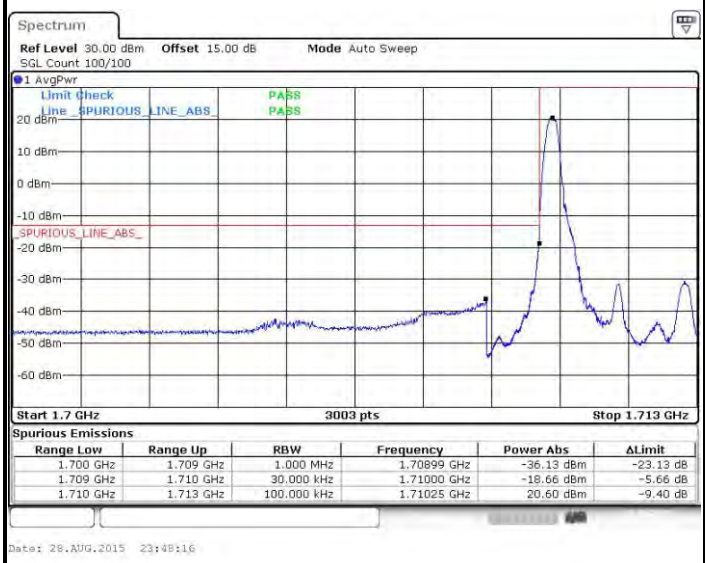
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75381 GHz	12.33 dBm	-17.67 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-29.19 dBm	-16.19 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-23.91 dBm	-10.91 dB

Date: 28.AUG.2015 23:43:54

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

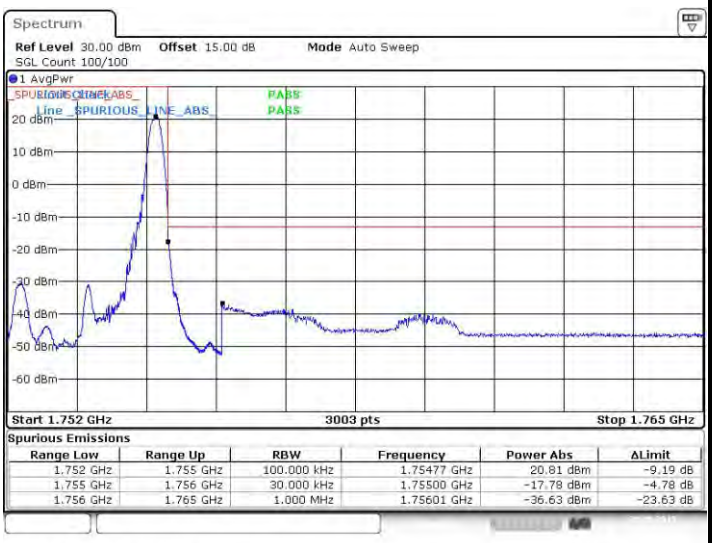


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-36.13 dBm	-23.13 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-18.66 dBm	-5.66 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71025 GHz	20.60 dBm	-9.40 dB

Date: 28.AUG.2015 23:48:16

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	1.75477 GHz	20.81 dBm	-9.19 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-17.78 dBm	-4.78 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-36.63 dBm	-23.63 dB

Date: 28.AUG.2015 23:59:21

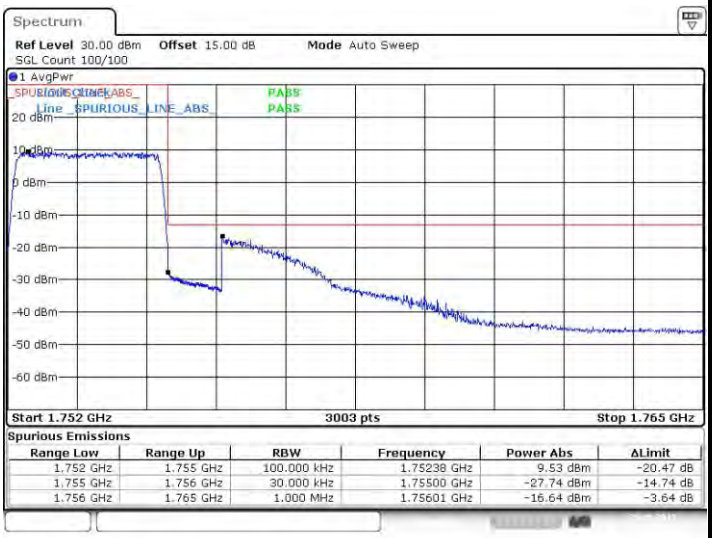
Lowest Band Edge / Full RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-20.15 dBm	-7.15 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.49 dBm	-16.49 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71075 GHz	9.10 dBm	-20.90 dB

Date: 28.AUG.2015 23:50:37

Highest Band Edge / Full RB



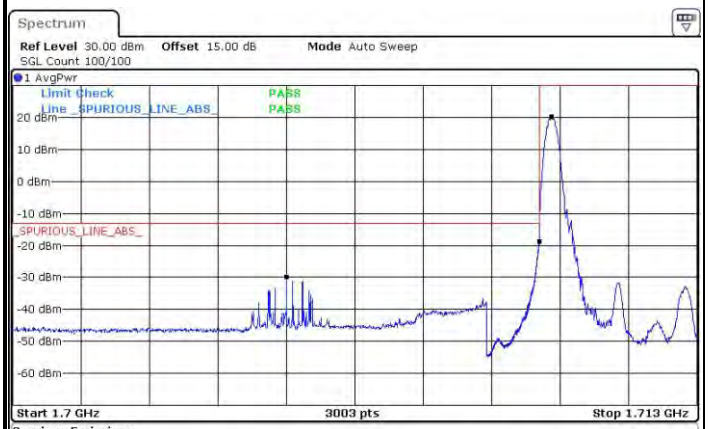
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75238 GHz	9.53 dBm	-20.47 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.74 dBm	-14.74 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-16.64 dBm	-3.64 dB

Date: 29.AUG.2015 00:01:41

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

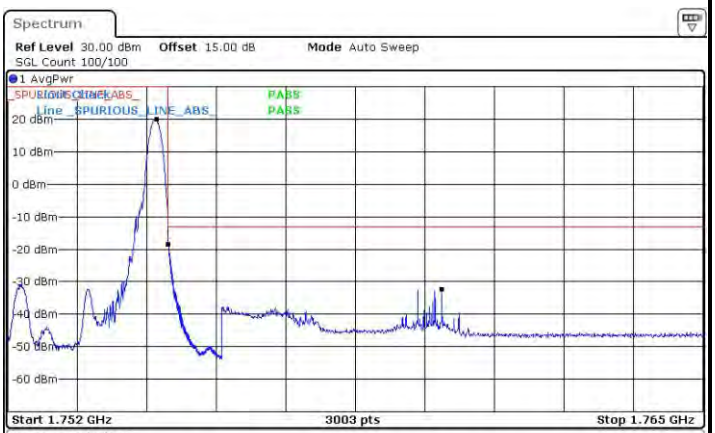


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70519 GHz	-29.88 dBm	-16.88 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-18.90 dBm	-5.90 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71024 GHz	20.13 dBm	-9.87 dB

Date: 28.AUG.2015 23:49:26

Highest Band Edge /1 RB

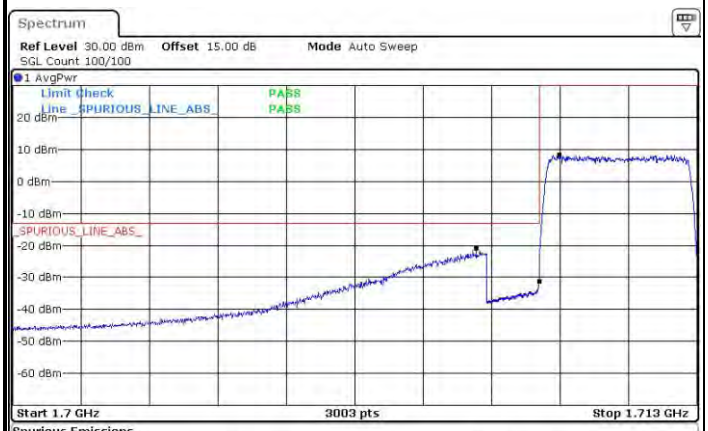


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75478 GHz	20.04 dBm	-9.96 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-18.39 dBm	-5.39 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76011 GHz	-32.46 dBm	-19.46 dB

Date: 29.AUG.2015 00:00:31

Lowest Band Edge / Full RB

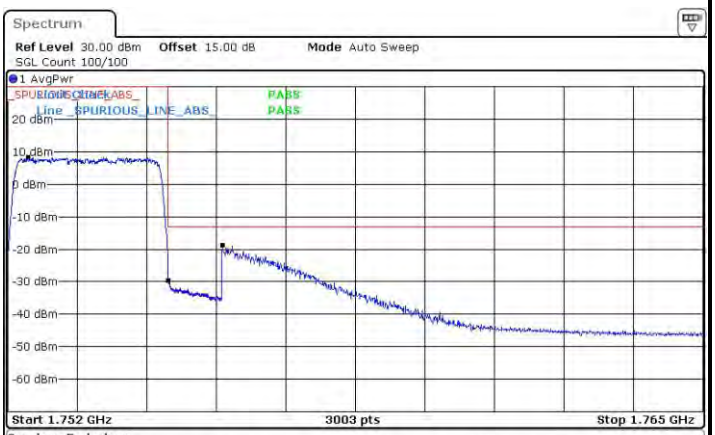


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70880 GHz	-20.87 dBm	-7.87 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-31.23 dBm	-18.23 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71038 GHz	8.20 dBm	-21.80 dB

Date: 28.AUG.2015 23:51:47

Highest Band Edge / Full RB



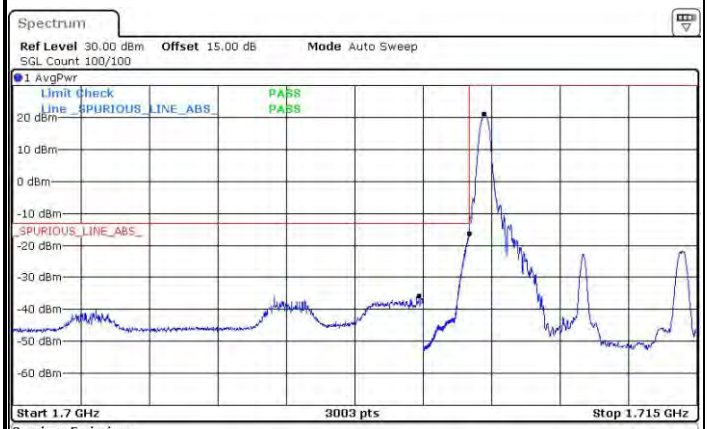
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75238 GHz	8.35 dBm	-21.65 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.61 dBm	-16.61 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-18.74 dBm	-5.74 dB

Date: 29.AUG.2015 00:02:51

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

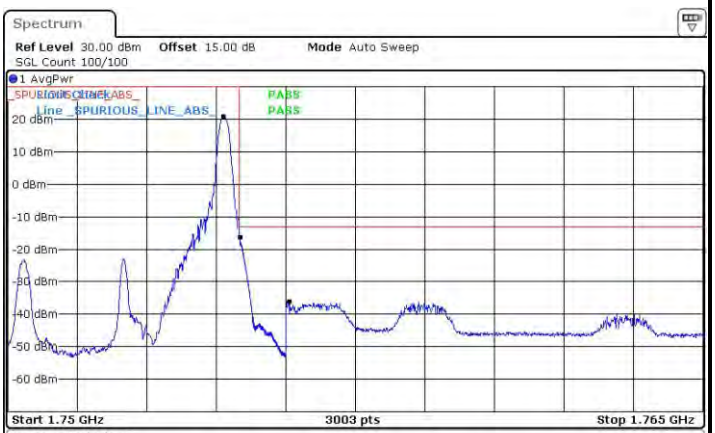


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-35.97 dBm	-22.97 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-16.40 dBm	-3.40 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71033 GHz	21.12 dBm	-8.88 dB

Date: 29.AUG.2015 00:07:17

Highest Band Edge / 1 RB

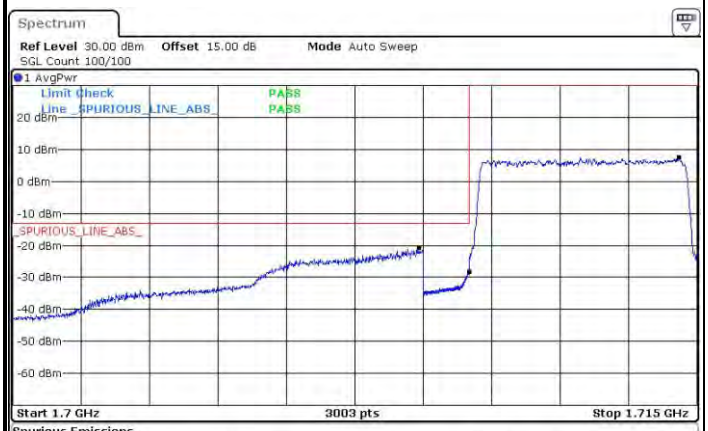


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75465 GHz	20.77 dBm	-9.23 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-16.46 dBm	-3.46 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-36.02 dBm	-23.02 dB

Date: 29.AUG.2015 00:18:51

Lowest Band Edge / Full RB

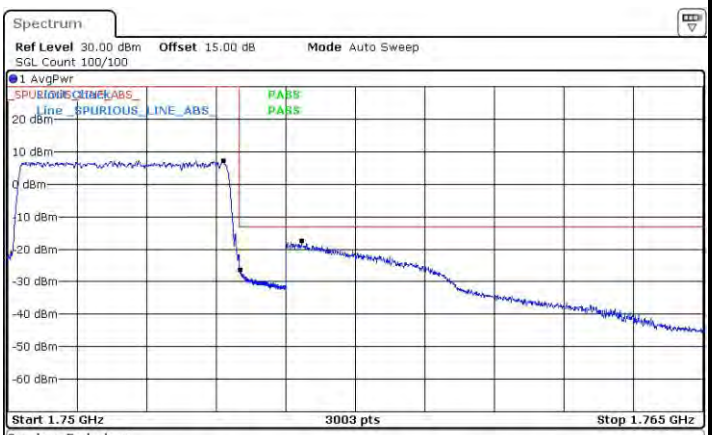


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-20.61 dBm	-7.61 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-28.30 dBm	-15.30 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71460 GHz	7.60 dBm	-22.40 dB

Date: 29.AUG.2015 00:09:39

Highest Band Edge / Full RB



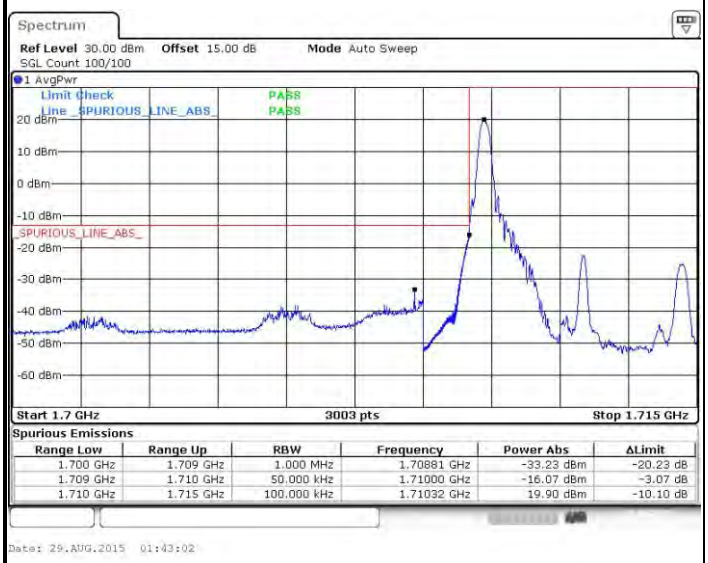
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75465 GHz	7.23 dBm	-22.77 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-26.25 dBm	-13.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75634 GHz	-17.46 dBm	-4.46 dB

Date: 29.AUG.2015 00:21:18

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

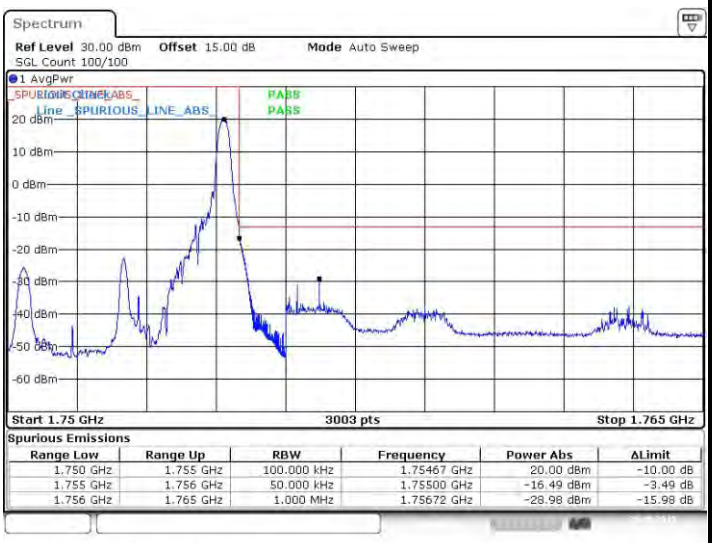


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70881 GHz	-33.23 dBm	-20.23 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-16.07 dBm	-3.07 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71032 GHz	19.90 dBm	-10.10 dB

Date: 29.AUG.2015 01:43:02

Highest Band Edge / 1 RB

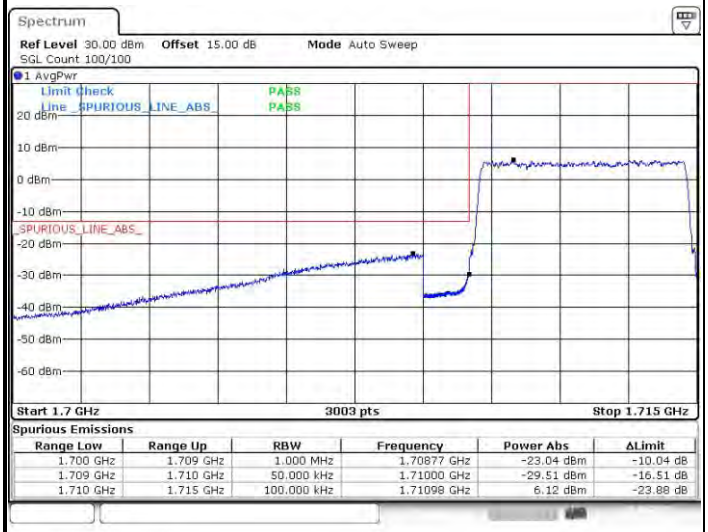


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	20.00 dBm	-10.00 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-16.49 dBm	-3.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75672 GHz	-28.98 dBm	-15.98 dB

Date: 29.AUG.2015 00:20:04

Lowest Band Edge / Full RB

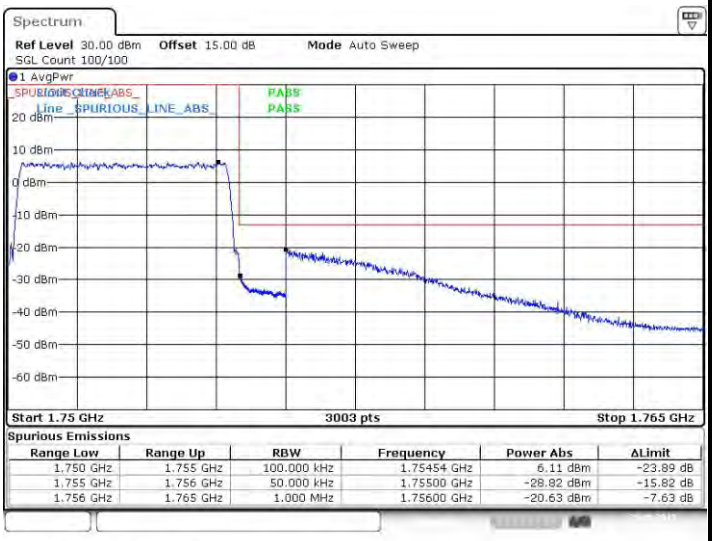


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70877 GHz	-23.04 dBm	-10.04 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-29.51 dBm	-16.51 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71098 GHz	6.12 dBm	-23.88 dB

Date: 29.AUG.2015 00:10:51

Highest Band Edge / Full RB



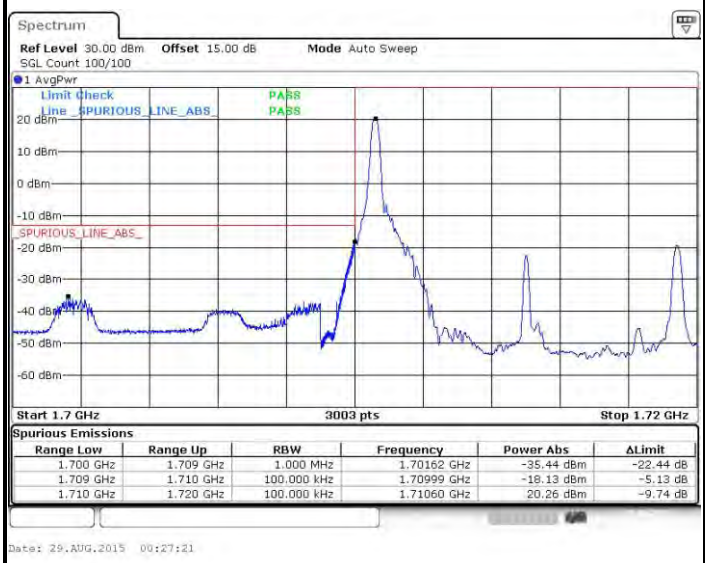
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75454 GHz	6.11 dBm	-23.89 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-28.82 dBm	-15.82 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-20.63 dBm	-7.63 dB

Date: 29.AUG.2015 00:22:31

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

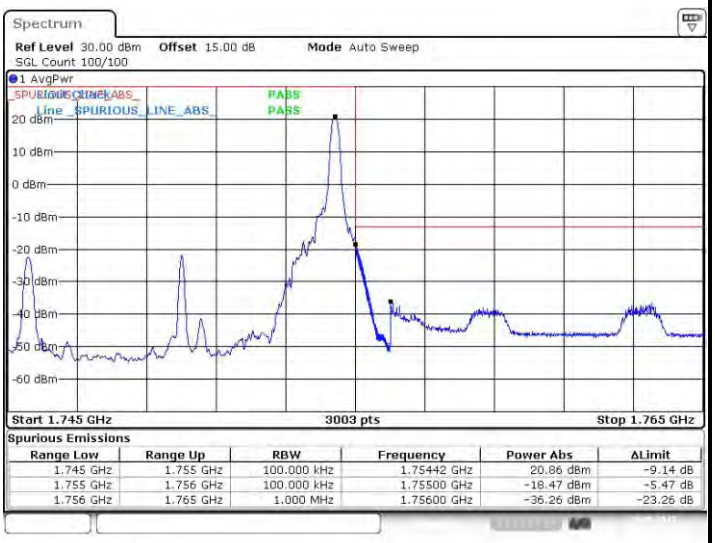


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70162 GHz	-35.44 dBm	-22.44 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-18.13 dBm	-5.13 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71060 GHz	20.26 dBm	-9.74 dB

Date: 29.AUG.2015 00:27:21

Highest Band Edge / 1 RB

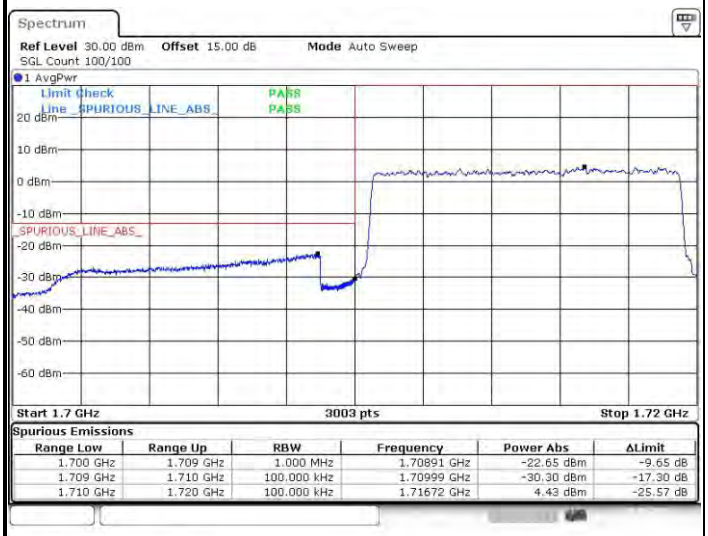


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75442 GHz	20.86 dBm	-9.14 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-18.47 dBm	-5.47 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-36.26 dBm	-23.26 dB

Date: 29.AUG.2015 00:39:56

Lowest Band Edge / Full RB

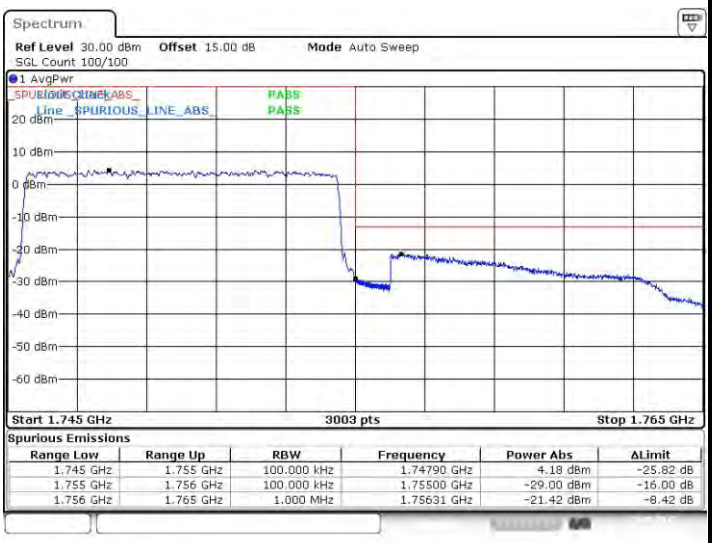


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-22.65 dBm	-9.65 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-30.30 dBm	-17.30 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71672 GHz	4.43 dBm	-25.57 dB

Date: 29.AUG.2015 00:29:51

Highest Band Edge / Full RB



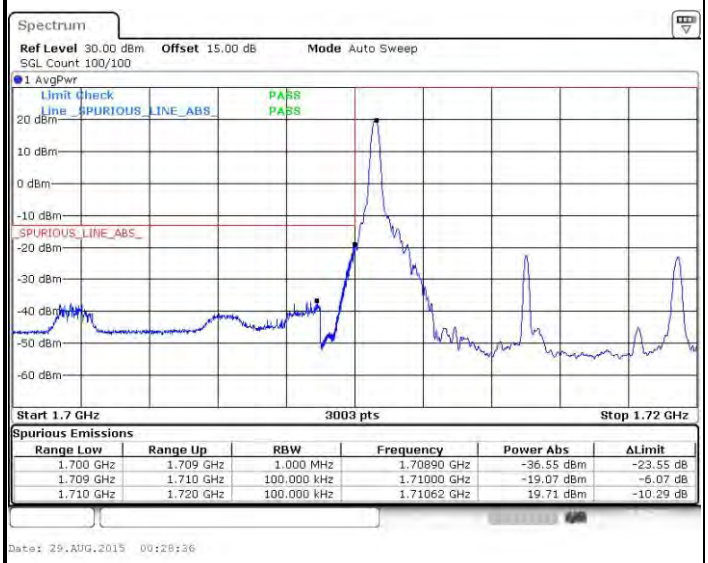
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74790 GHz	4.18 dBm	-25.82 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-29.00 dBm	-16.00 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75631 GHz	-21.42 dBm	-8.42 dB

Date: 29.AUG.2015 00:42:31

LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

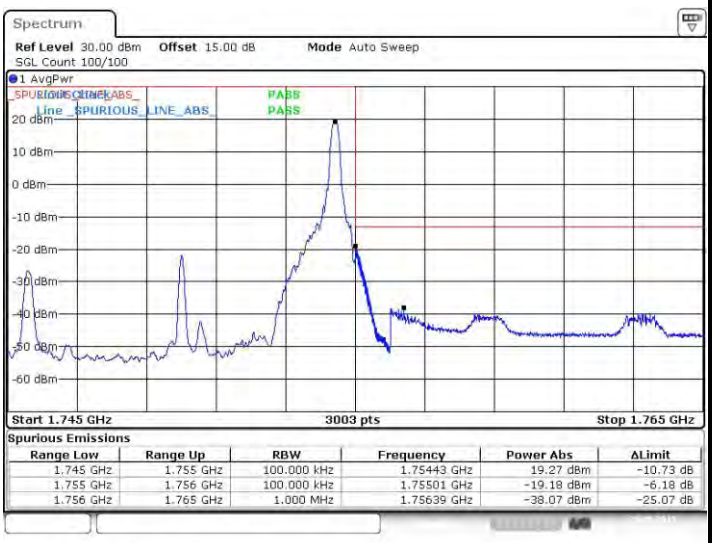


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-36.55 dBm	-23.55 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-19.07 dBm	-6.07 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71062 GHz	19.71 dBm	-10.29 dB

Date: 29.AUG.2015 00:28:36

Highest Band Edge / 1 RB

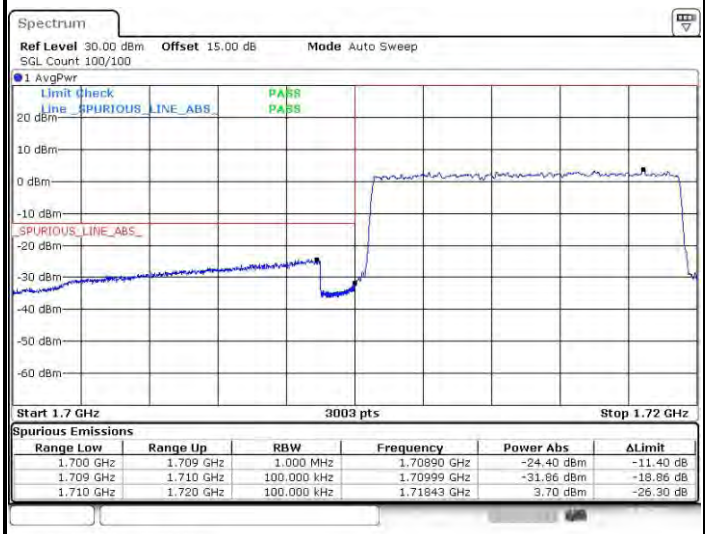


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75443 GHz	19.27 dBm	-10.73 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-19.18 dBm	-6.18 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75639 GHz	-38.07 dBm	-25.07 dB

Date: 29.AUG.2015 00:41:13

Lowest Band Edge / Full RB

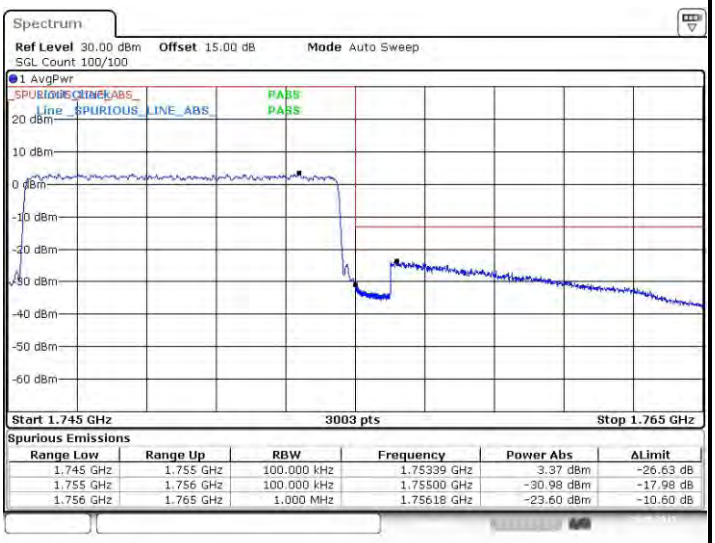


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-24.40 dBm	-11.40 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-31.86 dBm	-18.86 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71843 GHz	3.70 dBm	-26.30 dB

Date: 29.AUG.2015 00:31:06

Highest Band Edge / Full RB



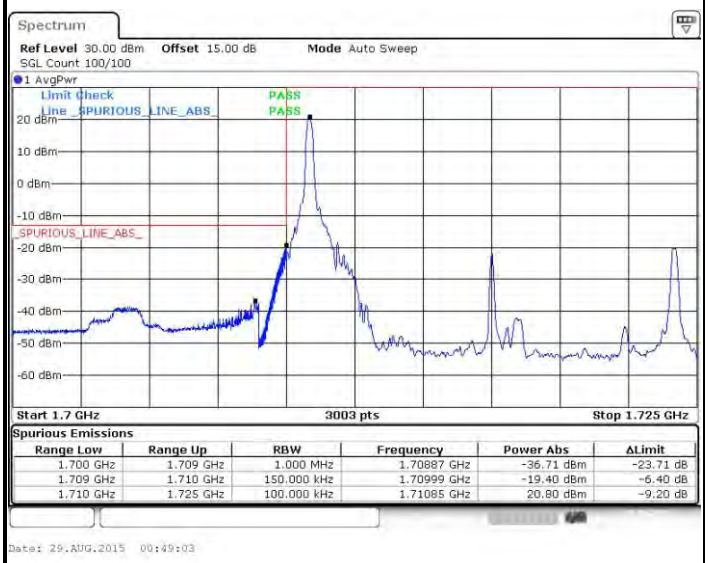
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75339 GHz	3.37 dBm	-26.63 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-30.98 dBm	-17.98 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75618 GHz	-23.60 dBm	-10.60 dB

Date: 29.AUG.2015 00:43:48

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

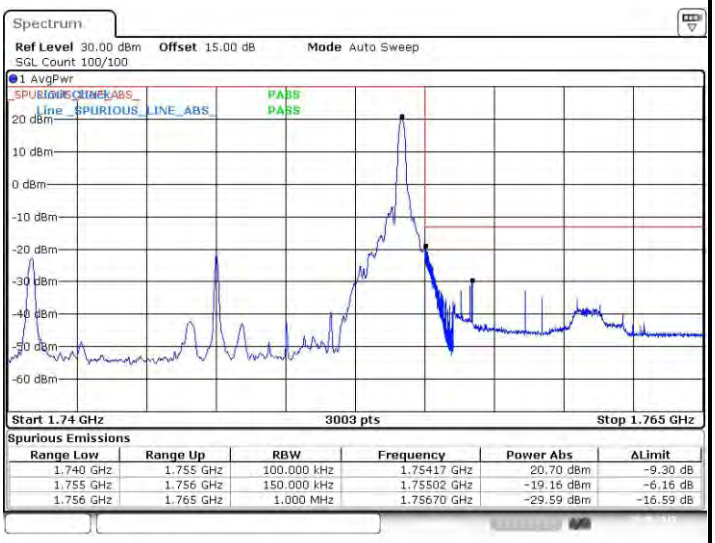


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-36.71 dBm	-23.71 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-19.40 dBm	-6.40 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	20.80 dBm	-9.20 dB

Date: 29.AUG.2015 00:49:03

Highest Band Edge / 1 RB

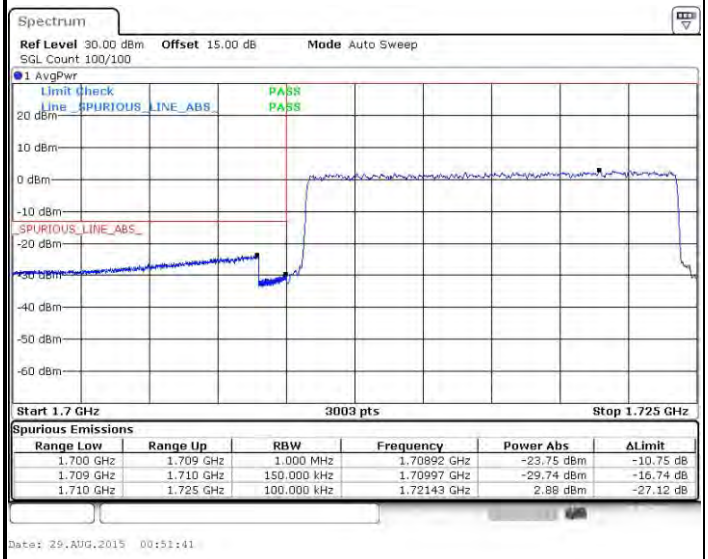


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	20.70 dBm	-9.30 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75502 GHz	-19.16 dBm	-6.16 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75670 GHz	-29.59 dBm	-16.59 dB

Date: 29.AUG.2015 01:02:43

Lowest Band Edge / Full RB

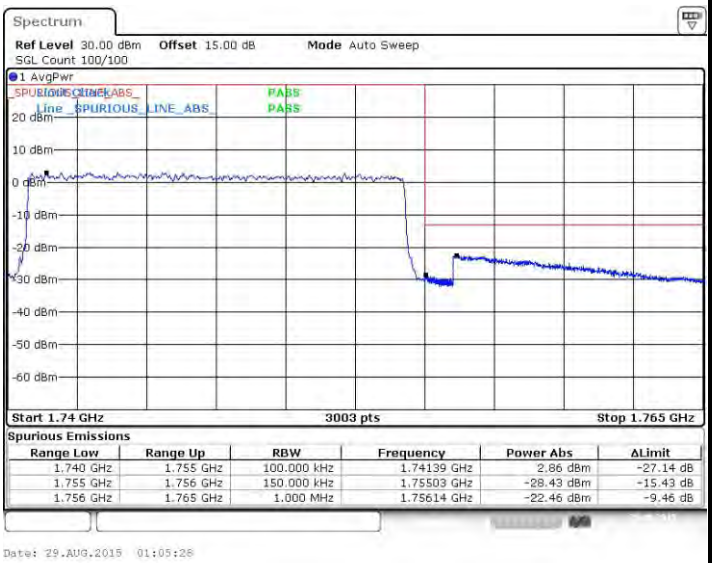


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-23.75 dBm	-10.75 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70997 GHz	-29.74 dBm	-16.74 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72143 GHz	2.88 dBm	-27.12 dB

Date: 29.AUG.2015 00:51:41

Highest Band Edge / Full RB



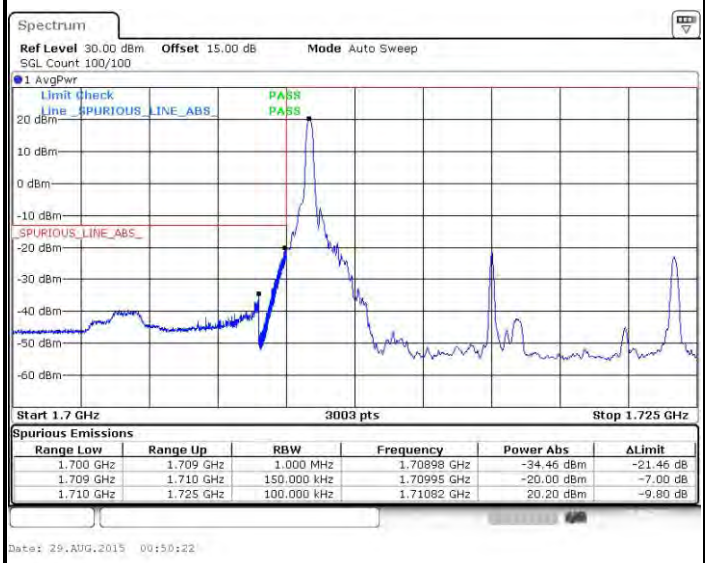
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74139 GHz	2.86 dBm	-27.14 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75503 GHz	-28.43 dBm	-15.43 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75614 GHz	-22.46 dBm	-9.46 dB

Date: 29.AUG.2015 01:05:28

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

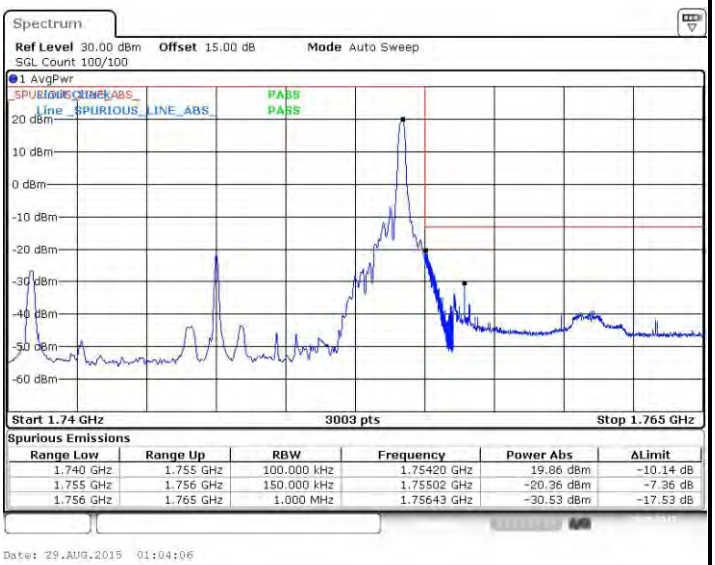


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-34.46 dBm	-21.46 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70995 GHz	-20.00 dBm	-7.00 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71082 GHz	20.20 dBm	-9.80 dB

Date: 29.AUG.2015 00:50:22

Highest Band Edge / 1 RB

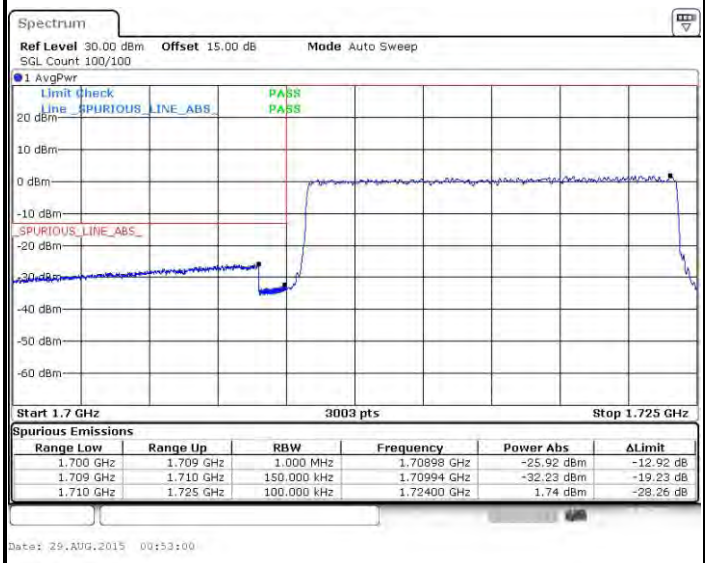


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75420 GHz	19.86 dBm	-10.14 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75502 GHz	-20.36 dBm	-7.36 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75643 GHz	-30.53 dBm	-17.53 dB

Date: 29.AUG.2015 01:04:06

Lowest Band Edge / Full RB

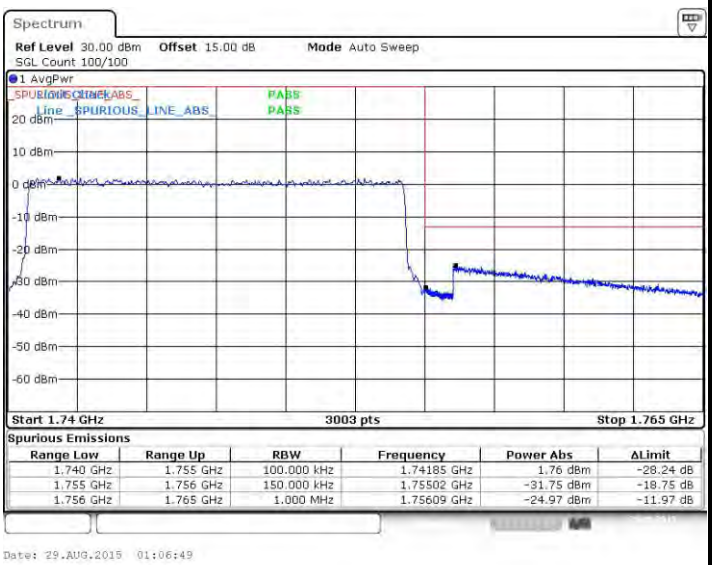


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-25.92 dBm	-12.92 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70994 GHz	-32.23 dBm	-19.23 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72400 GHz	1.74 dBm	-28.26 dB

Date: 29.AUG.2015 00:53:00

Highest Band Edge / Full RB



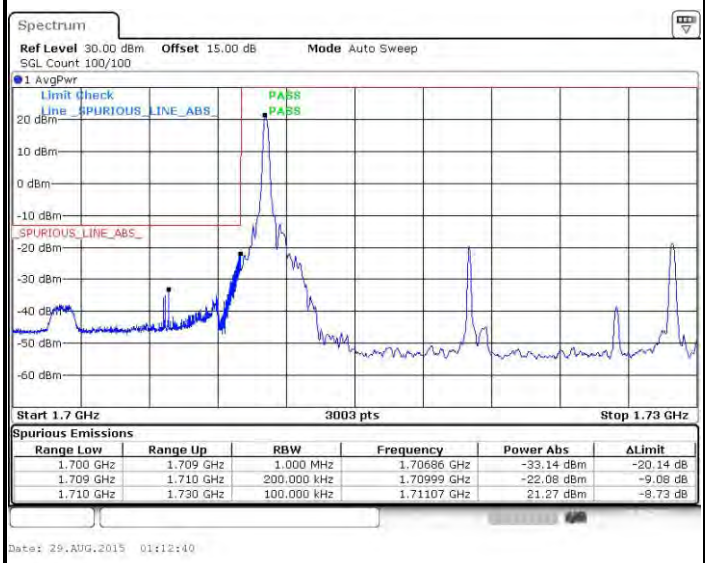
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74185 GHz	1.76 dBm	-28.24 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75502 GHz	-31.75 dBm	-18.75 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-24.97 dBm	-11.97 dB

Date: 29.AUG.2015 01:06:49

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

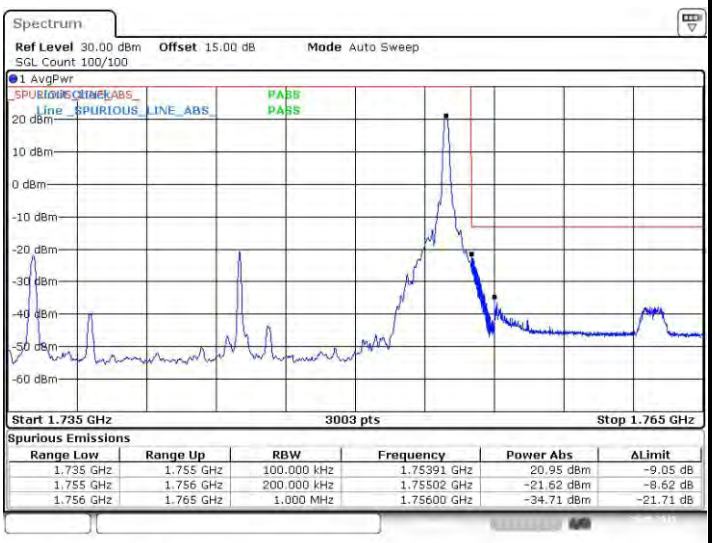


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70686 GHz	-33.14 dBm	-20.14 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-22.08 dBm	-9.08 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71107 GHz	21.27 dBm	-8.73 dB

Date: 29.AUG.2015 01:12:40

Highest Band Edge / 1 RB

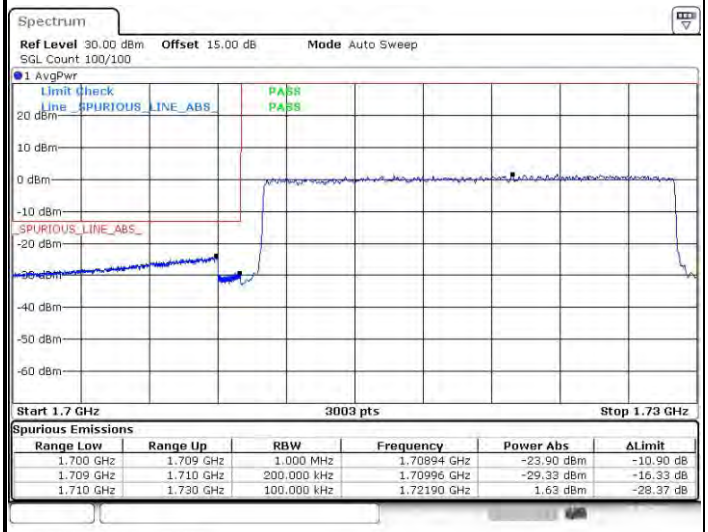


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	20.95 dBm	-9.05 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75502 GHz	-21.62 dBm	-8.62 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-34.71 dBm	-21.71 dB

Date: 29.AUG.2015 01:27:46

Lowest Band Edge / Full RB

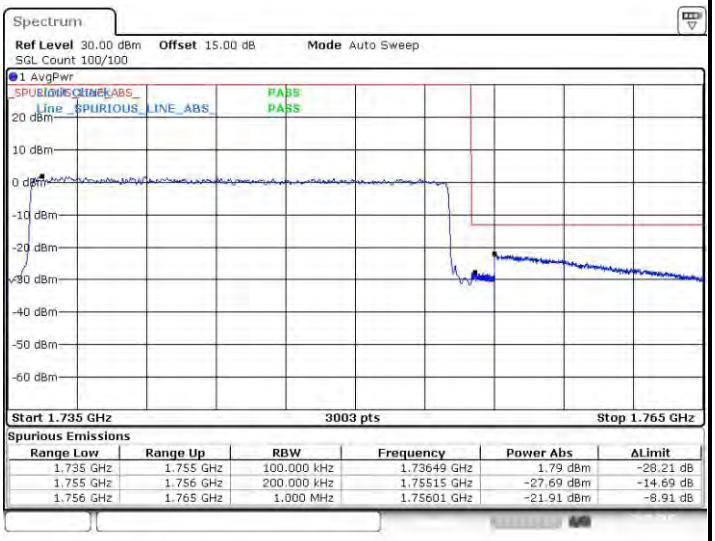


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-23.90 dBm	-10.90 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70996 GHz	-29.33 dBm	-16.33 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72190 GHz	1.63 dBm	-28.37 dB

Date: 29.AUG.2015 01:15:30

Highest Band Edge / Full RB



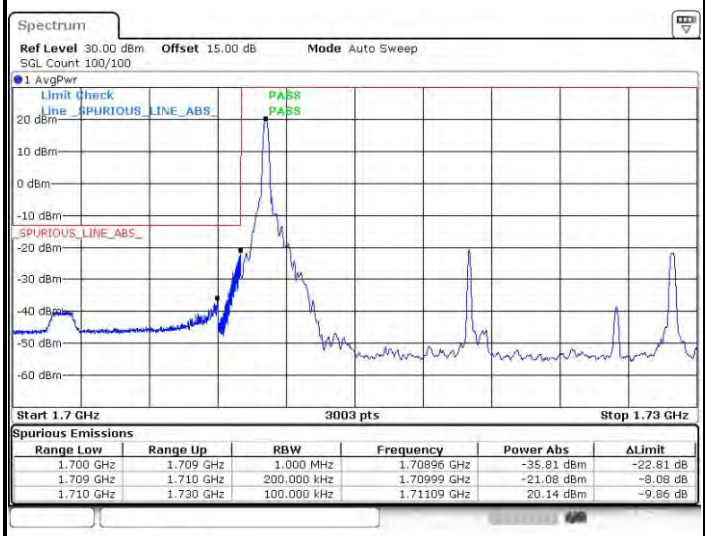
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.73649 GHz	1.79 dBm	-28.21 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75515 GHz	-27.69 dBm	-14.69 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-21.91 dBm	-8.91 dB

Date: 29.AUG.2015 01:30:40

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

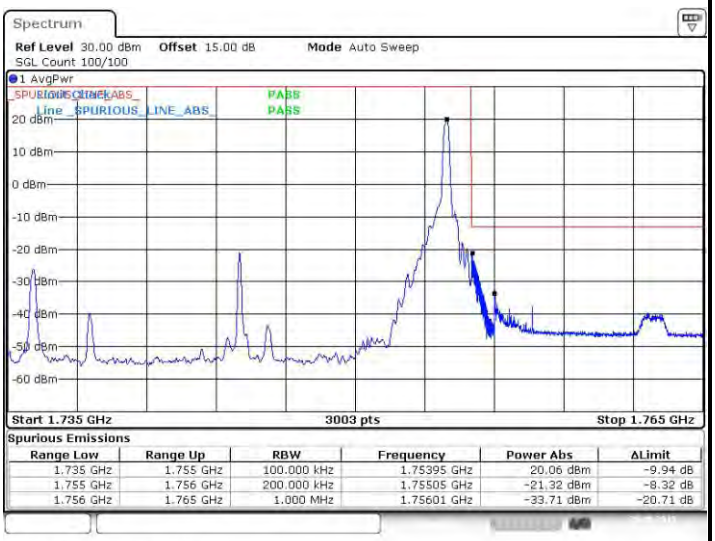


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-35.81 dBm	-22.81 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-21.08 dBm	-8.08 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	20.14 dBm	-9.86 dB

Date: 29.AUG.2015 01:14:04

Highest Band Edge / 1 RB

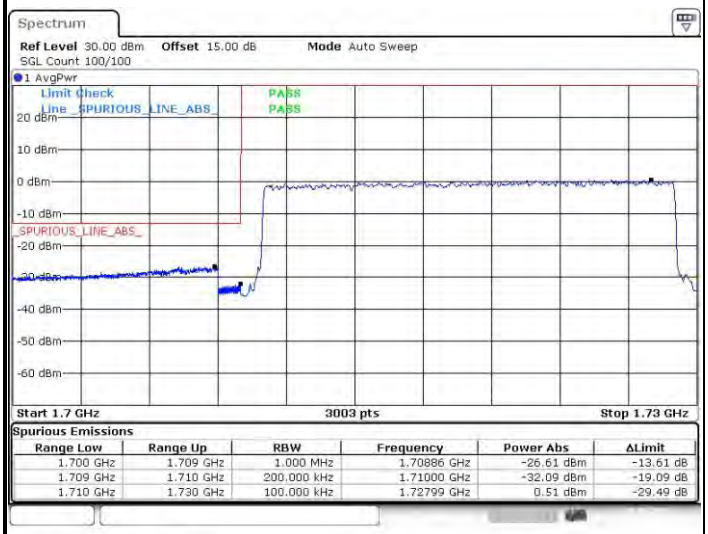


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75395 GHz	20.06 dBm	-9.94 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75505 GHz	-21.32 dBm	-8.32 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-33.71 dBm	-20.71 dB

Date: 29.AUG.2015 01:29:13

Lowest Band Edge / Full RB

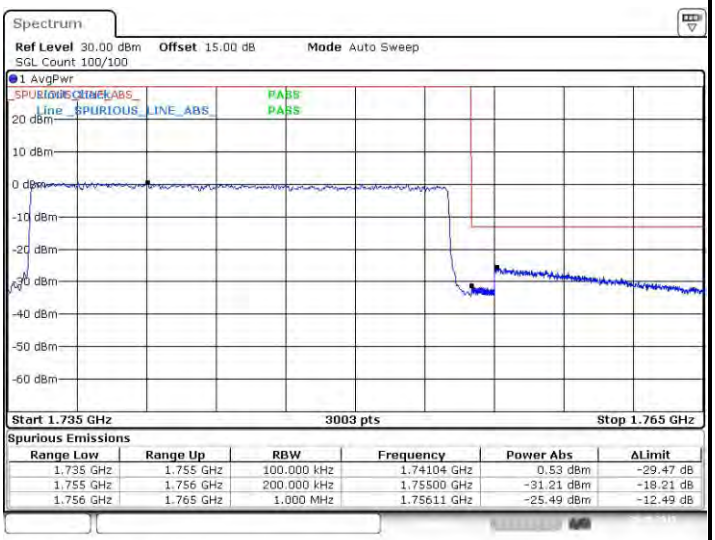


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70886 GHz	-26.61 dBm	-13.61 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-32.09 dBm	-19.09 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72799 GHz	0.51 dBm	-29.49 dB

Date: 29.AUG.2015 01:16:54

Highest Band Edge / Full RB



Spurious Emissions

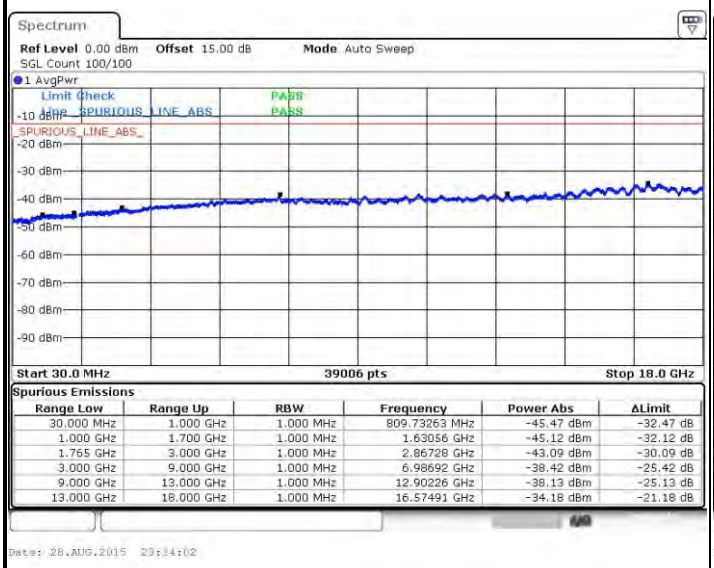
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74104 GHz	0.53 dBm	-29.47 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-31.21 dBm	-18.21 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75611 GHz	-25.49 dBm	-12.49 dB

Date: 29.AUG.2015 01:32:06

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

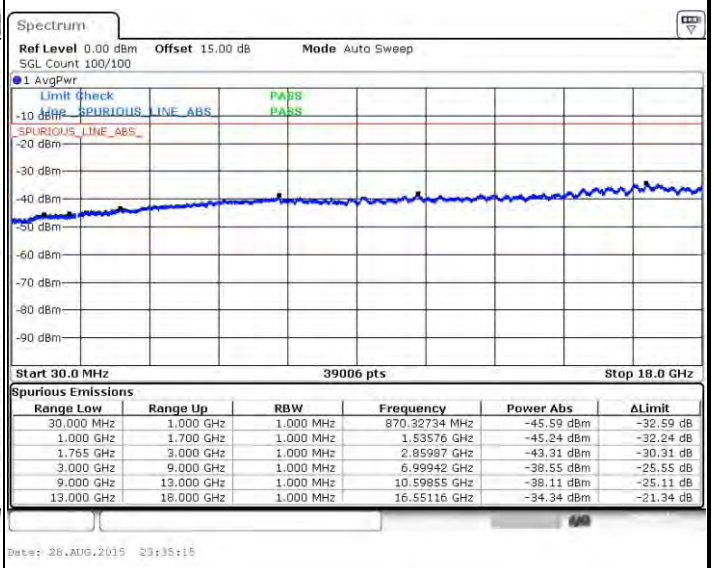


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	809.73263 MHz	-45.47 dBm	-32.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63056 GHz	-45.12 dBm	-32.12 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86728 GHz	-43.09 dBm	-30.09 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-38.42 dBm	-25.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.90226 GHz	-38.13 dBm	-25.13 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.57491 GHz	-34.18 dBm	-21.18 dB

Date: 28.AUG.2015 23:34:02

Lowest Channel / 16QAM

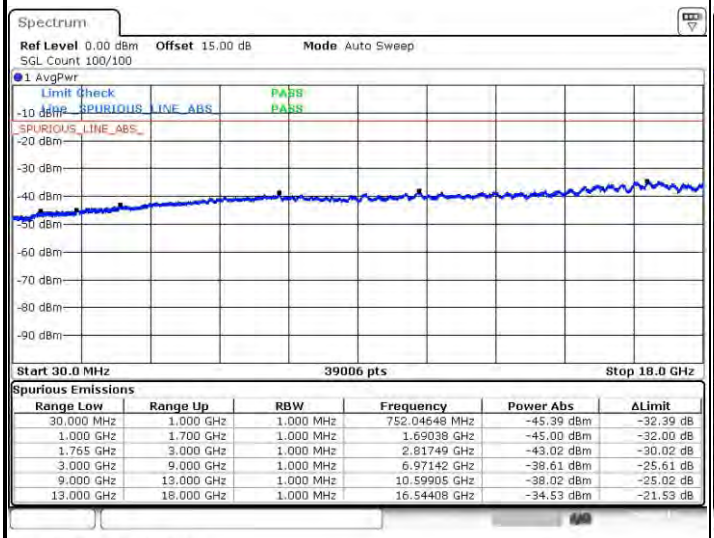


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.32734 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.53576 GHz	-45.24 dBm	-32.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85987 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-38.55 dBm	-25.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59855 GHz	-38.11 dBm	-25.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55116 GHz	-34.34 dBm	-21.34 dB

Date: 28.AUG.2015 23:35:15

Middle Channel / QPSK

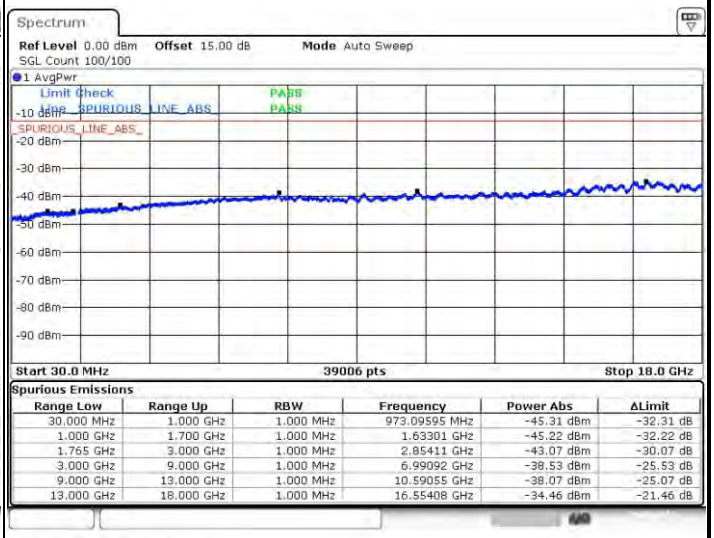


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	752.04648 MHz	-45.39 dBm	-32.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69038 GHz	-45.00 dBm	-32.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81749 GHz	-43.02 dBm	-30.02 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97142 GHz	-38.61 dBm	-25.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59905 GHz	-38.02 dBm	-25.02 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54408 GHz	-34.53 dBm	-21.53 dB

Date: 28.AUG.2015 23:37:14

Middle Channel / 16QAM



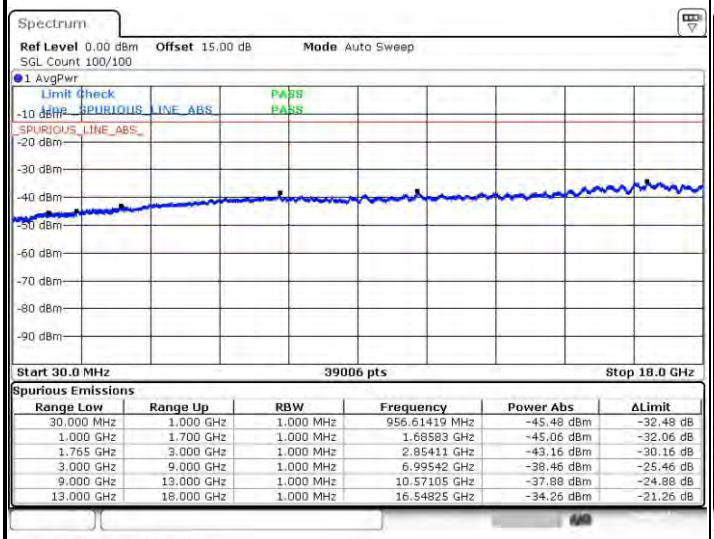
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-45.31 dBm	-32.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63301 GHz	-45.22 dBm	-32.22 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85411 GHz	-43.07 dBm	-30.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-38.53 dBm	-25.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59055 GHz	-38.07 dBm	-25.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55408 GHz	-34.46 dBm	-21.46 dB

Date: 28.AUG.2015 23:38:26

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

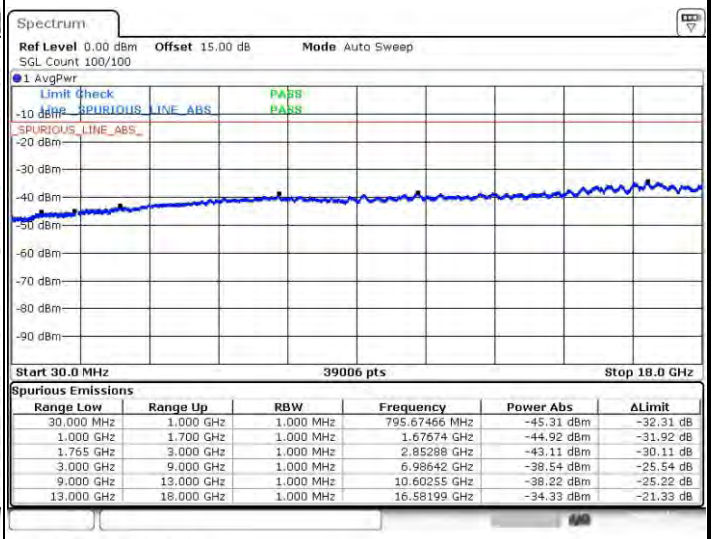


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.61419 MHz	-45.48 dBm	-32.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68583 GHz	-45.06 dBm	-32.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85411 GHz	-43.16 dBm	-30.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99542 GHz	-38.46 dBm	-25.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57105 GHz	-37.88 dBm	-24.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54825 GHz	-34.26 dBm	-21.26 dB

Date: 28.AUG.2015 23:45:07

Highest Channel / 16QAM



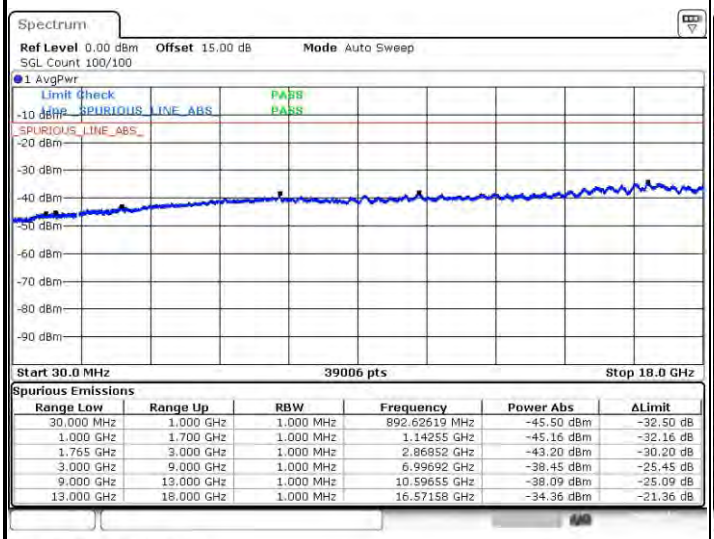
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	795.67466 MHz	-45.31 dBm	-32.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67674 GHz	-44.92 dBm	-31.92 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85288 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98642 GHz	-38.54 dBm	-25.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60255 GHz	-38.22 dBm	-25.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.58199 GHz	-34.33 dBm	-21.33 dB

Date: 28.AUG.2015 23:46:18

LTE Band 4 / 3MHz

Lowest Channel / QPSK

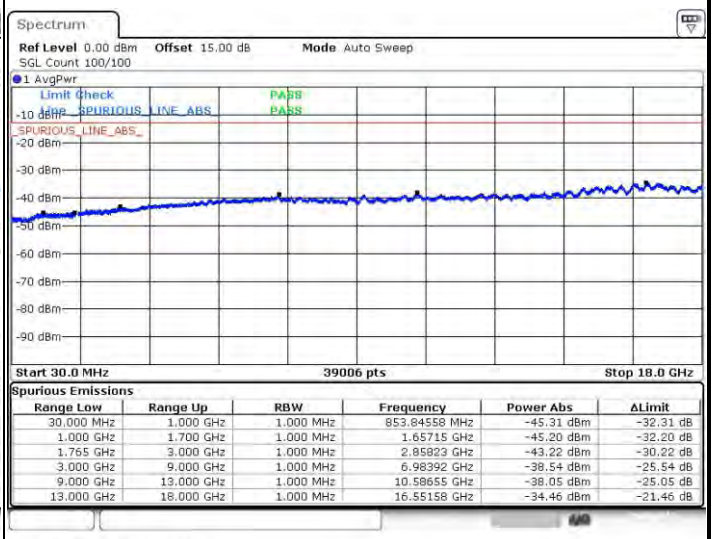


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-45.50 dBm	-32.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.14255 GHz	-45.16 dBm	-32.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86852 GHz	-43.20 dBm	-30.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-38.45 dBm	-25.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59655 GHz	-38.09 dBm	-25.09 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.57158 GHz	-34.36 dBm	-21.36 dB

Date: 28.AUG.2015 23:53:08

Lowest Channel / 16QAM



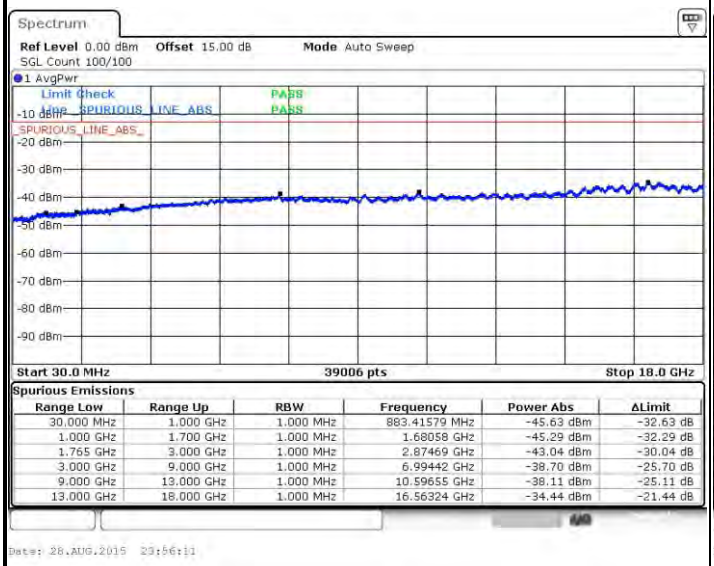
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	853.84558 MHz	-45.31 dBm	-32.31 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65715 GHz	-45.20 dBm	-32.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85823 GHz	-43.22 dBm	-30.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98392 GHz	-38.54 dBm	-25.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58655 GHz	-38.05 dBm	-25.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55158 GHz	-34.46 dBm	-21.46 dB

Date: 28.AUG.2015 23:54:12

LTE Band 4 / 3MHz

Middle Channel / QPSK

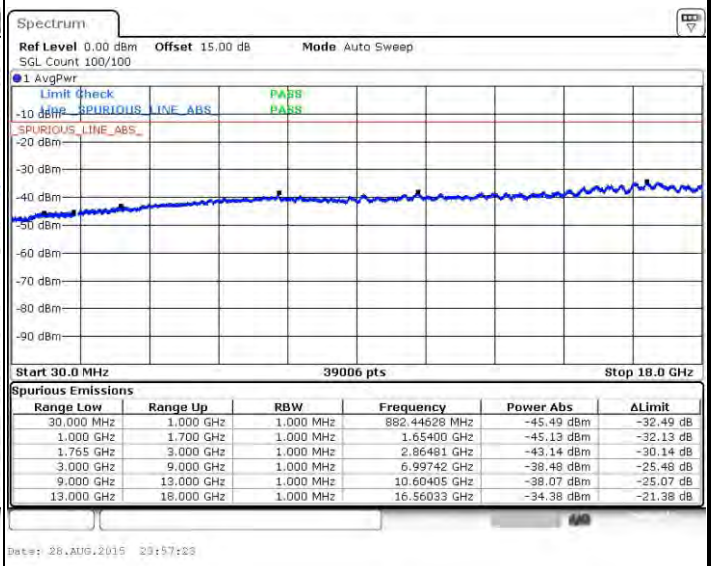


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.41579 MHz	-45.63 dBm	-32.63 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68058 GHz	-45.29 dBm	-32.29 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.87469 GHz	-43.04 dBm	-30.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-38.70 dBm	-25.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59655 GHz	-38.11 dBm	-25.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56324 GHz	-34.44 dBm	-21.44 dB

Date: 28.AUG.2015 23:56:11

Middle Channel / 16QAM

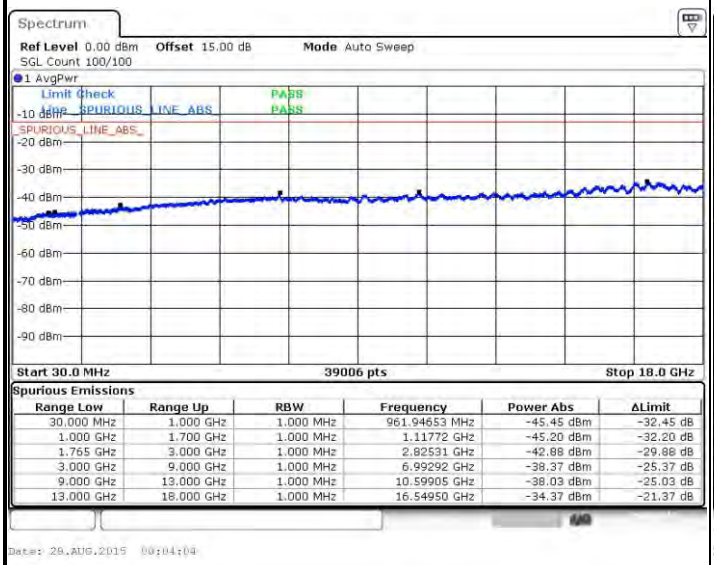


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.44628 MHz	-45.49 dBm	-32.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65400 GHz	-45.13 dBm	-32.13 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86481 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-38.48 dBm	-25.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60405 GHz	-38.07 dBm	-25.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56033 GHz	-34.38 dBm	-21.38 dB

Date: 28.AUG.2015 23:57:23

Highest Channel / QPSK

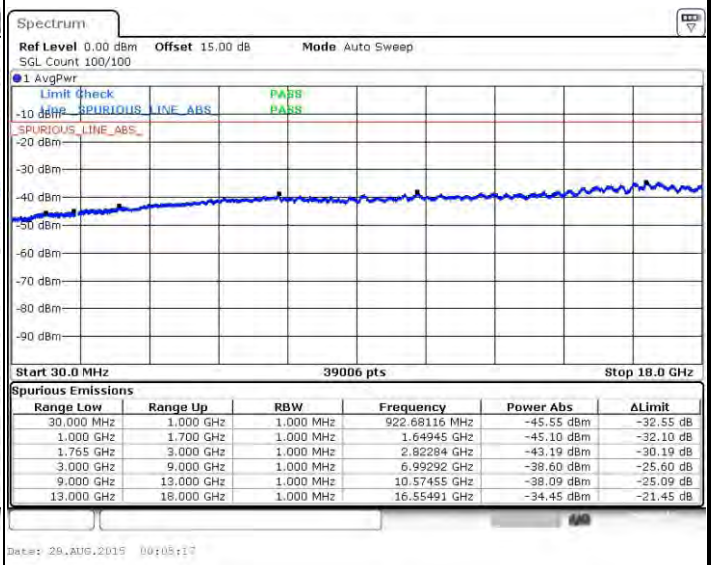


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-45.45 dBm	-32.45 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.11772 GHz	-45.20 dBm	-32.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82531 GHz	-42.88 dBm	-29.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-38.37 dBm	-25.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59905 GHz	-38.03 dBm	-25.03 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54950 GHz	-34.37 dBm	-21.37 dB

Date: 29.AUG.2015 00:04:04

Highest Channel / 16QAM



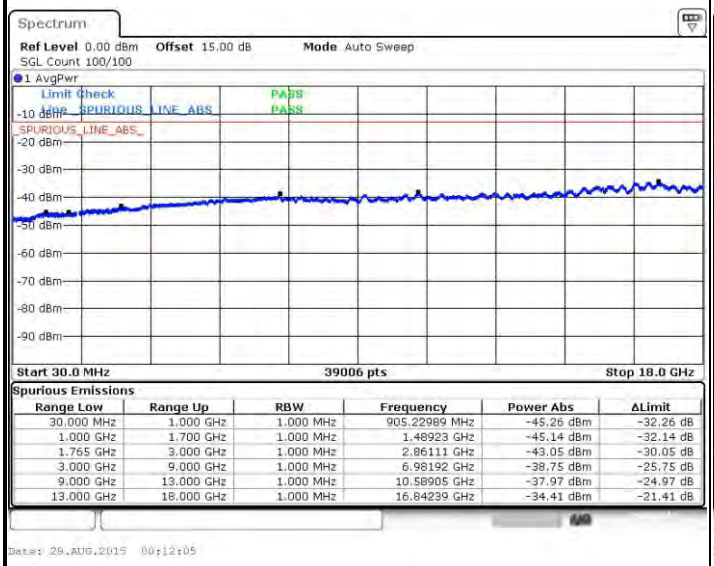
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-45.55 dBm	-32.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64945 GHz	-45.10 dBm	-32.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82284 GHz	-43.19 dBm	-30.19 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-38.60 dBm	-25.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57455 GHz	-38.09 dBm	-25.09 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55491 GHz	-34.45 dBm	-21.45 dB

Date: 29.AUG.2015 00:05:17

LTE Band 4 / 5MHz

Lowest Channel / QPSK

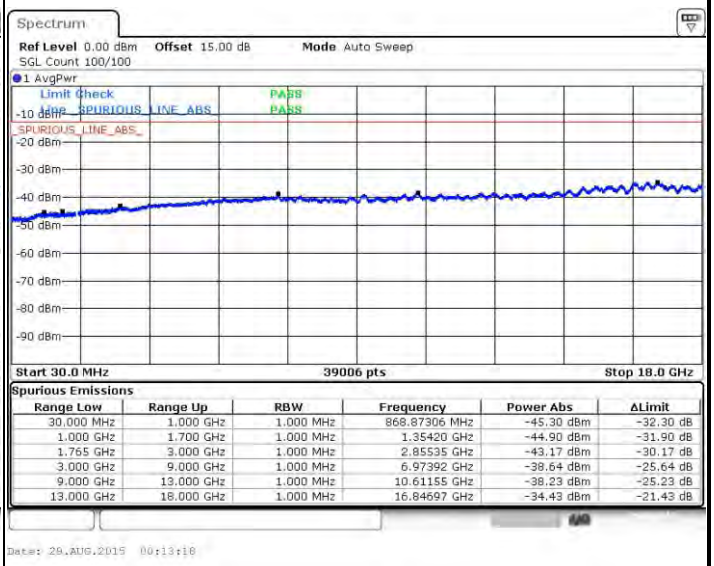


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-45.26 dBm	-32.26 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.48923 GHz	-45.14 dBm	-32.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86111 GHz	-43.05 dBm	-30.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98192 GHz	-38.75 dBm	-25.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58905 GHz	-37.97 dBm	-24.97 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.84239 GHz	-34.41 dBm	-21.41 dB

Date: 29.AUG.2015 00:12:05

Lowest Channel / 16QAM

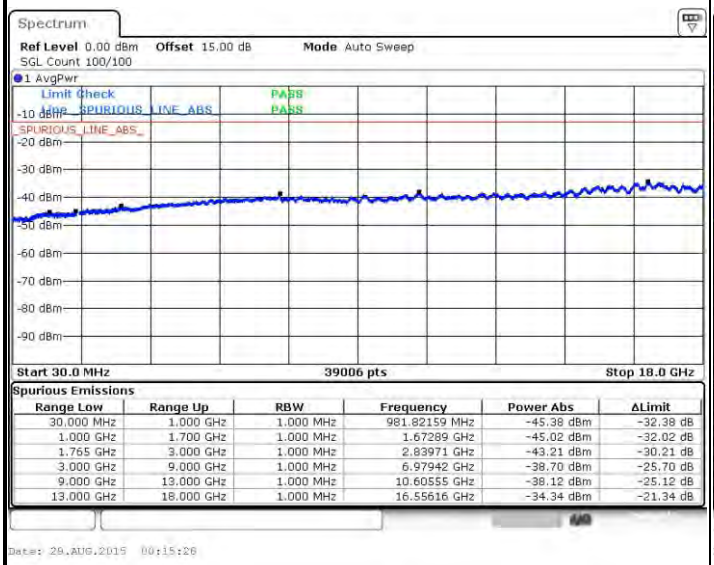


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.87306 MHz	-45.30 dBm	-32.30 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.35420 GHz	-44.90 dBm	-31.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85535 GHz	-43.17 dBm	-30.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97392 GHz	-38.64 dBm	-25.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61155 GHz	-38.23 dBm	-25.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.84697 GHz	-34.43 dBm	-21.43 dB

Date: 29.AUG.2015 00:13:18

Middle Channel / QPSK

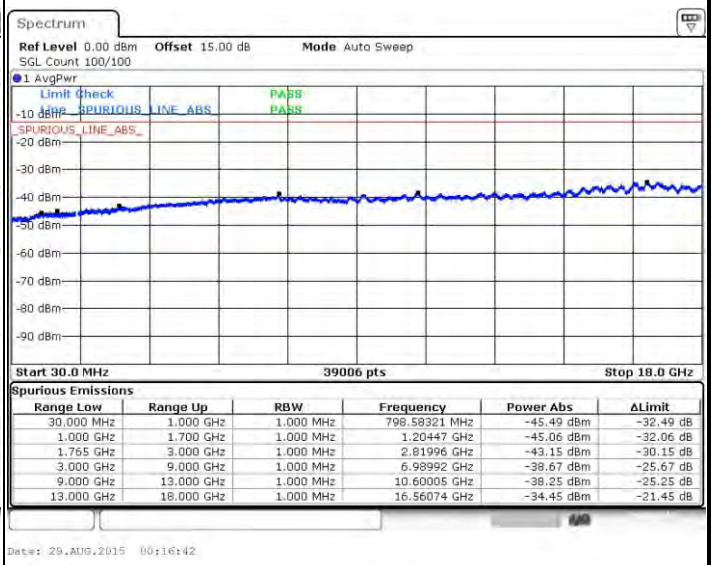


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-45.38 dBm	-32.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67289 GHz	-45.02 dBm	-32.02 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83971 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97942 GHz	-38.70 dBm	-25.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60555 GHz	-38.12 dBm	-25.12 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55616 GHz	-34.34 dBm	-21.34 dB

Date: 29.AUG.2015 00:15:26

Middle Channel / 16QAM



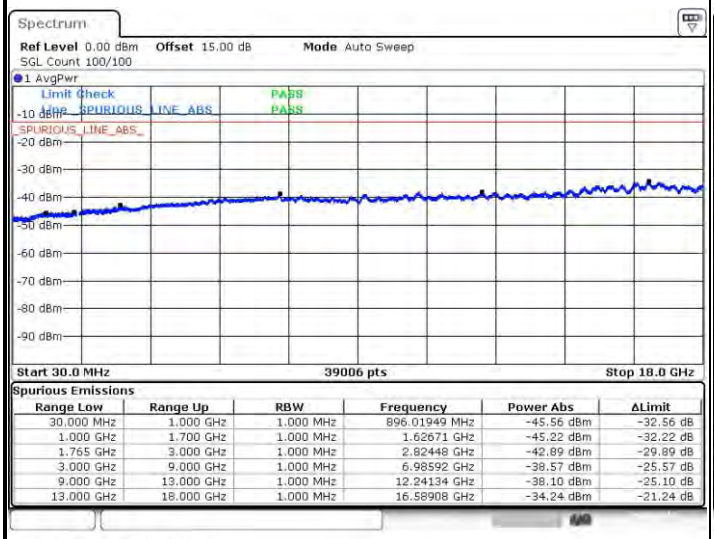
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	798.58321 MHz	-45.49 dBm	-32.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.20447 GHz	-45.06 dBm	-32.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81996 GHz	-43.15 dBm	-30.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-38.67 dBm	-25.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60005 GHz	-38.25 dBm	-25.25 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56074 GHz	-34.45 dBm	-21.45 dB

Date: 29.AUG.2015 00:16:42

LTE Band 4 / 5MHz

Highest Channel / QPSK

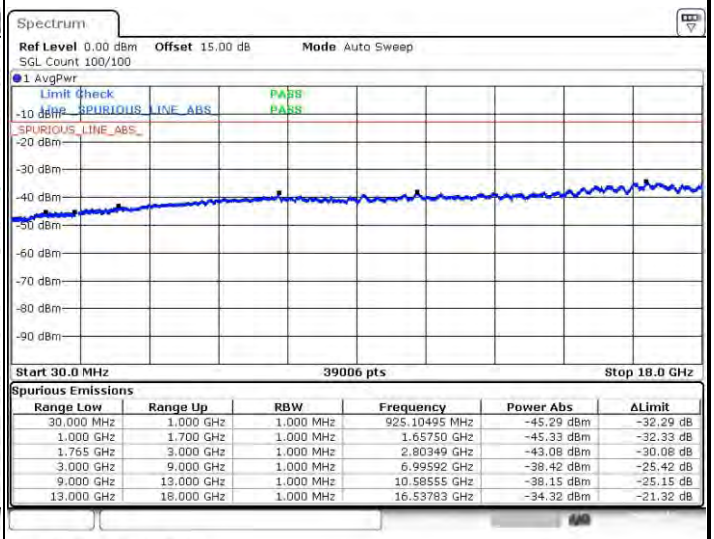


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.01949 MHz	-45.56 dBm	-32.56 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62671 GHz	-45.22 dBm	-32.22 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82448 GHz	-42.89 dBm	-29.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98592 GHz	-38.57 dBm	-25.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.24134 GHz	-38.10 dBm	-25.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.58908 GHz	-34.24 dBm	-21.24 dB

Date: 29.AUG.2015 00:23:48

Highest Channel / 16QAM



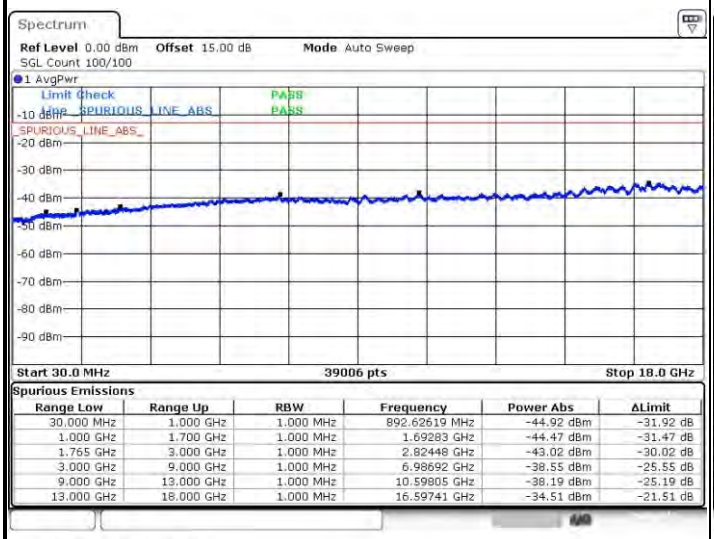
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-45.29 dBm	-32.29 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65750 GHz	-45.33 dBm	-32.33 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.80349 GHz	-43.08 dBm	-30.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99592 GHz	-38.42 dBm	-25.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58555 GHz	-38.15 dBm	-25.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.53783 GHz	-34.32 dBm	-21.32 dB

Date: 29.AUG.2015 00:25:04

LTE Band 4 / 10MHz

Lowest Channel / QPSK

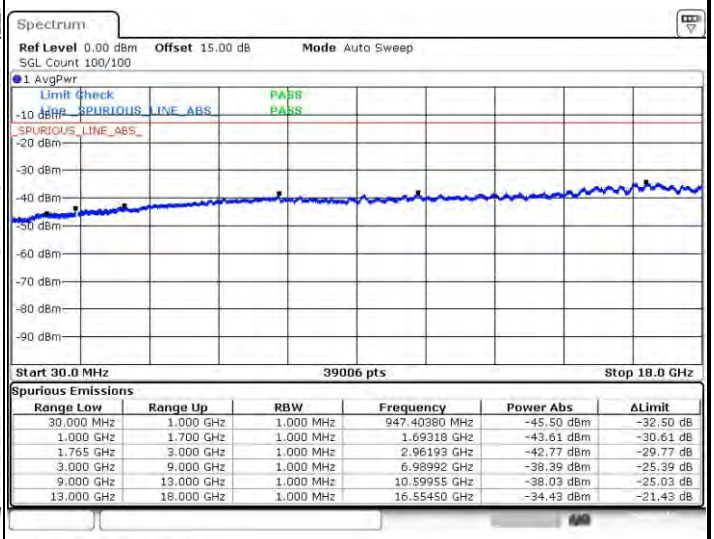


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-44.92 dBm	-31.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69283 GHz	-44.47 dBm	-31.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82448 GHz	-43.02 dBm	-30.02 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-38.55 dBm	-25.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59805 GHz	-38.19 dBm	-25.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.59741 GHz	-34.51 dBm	-21.51 dB

Date: 29.AUG.2015 00:32:23

Lowest Channel / 16QAM



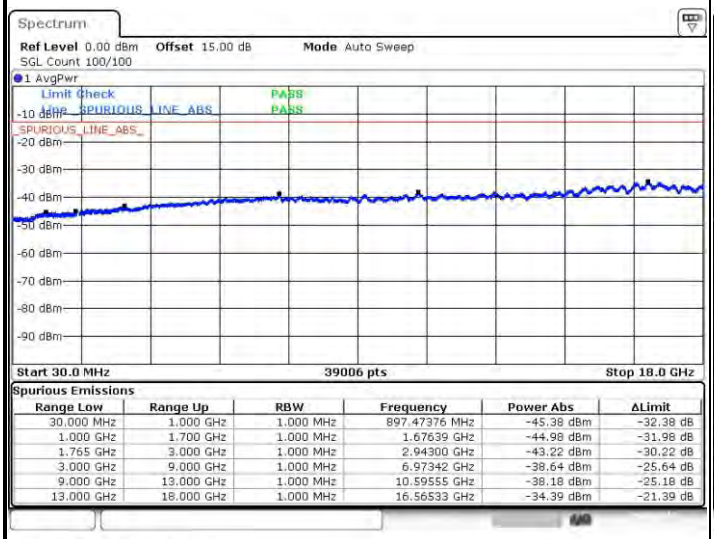
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-45.50 dBm	-32.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-43.61 dBm	-30.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96193 GHz	-42.77 dBm	-29.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-38.39 dBm	-25.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59955 GHz	-38.03 dBm	-25.03 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55450 GHz	-34.43 dBm	-21.43 dB

Date: 29.AUG.2015 00:33:41

LTE Band 4 / 10MHz

Middle Channel / QPSK

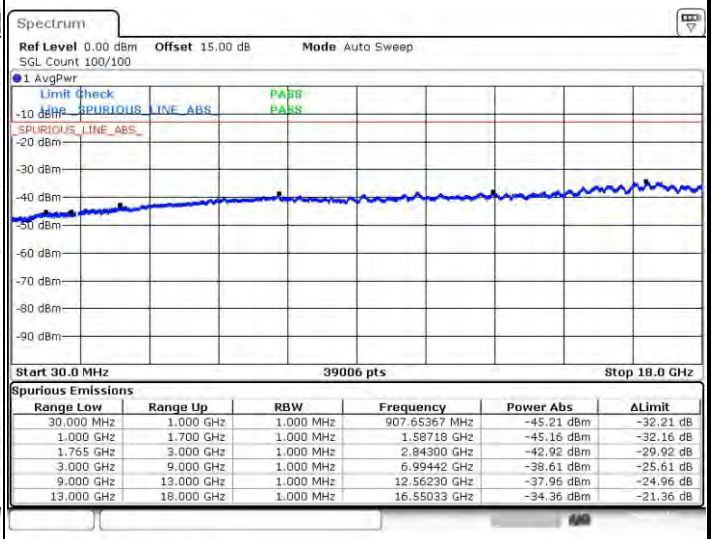


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.47376 MHz	-45.38 dBm	-32.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67639 GHz	-44.98 dBm	-31.98 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.94300 GHz	-43.22 dBm	-30.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97342 GHz	-38.64 dBm	-25.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59555 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56533 GHz	-34.39 dBm	-21.39 dB

Date: 29.AUG.2015 00:36:10

Middle Channel / 16QAM

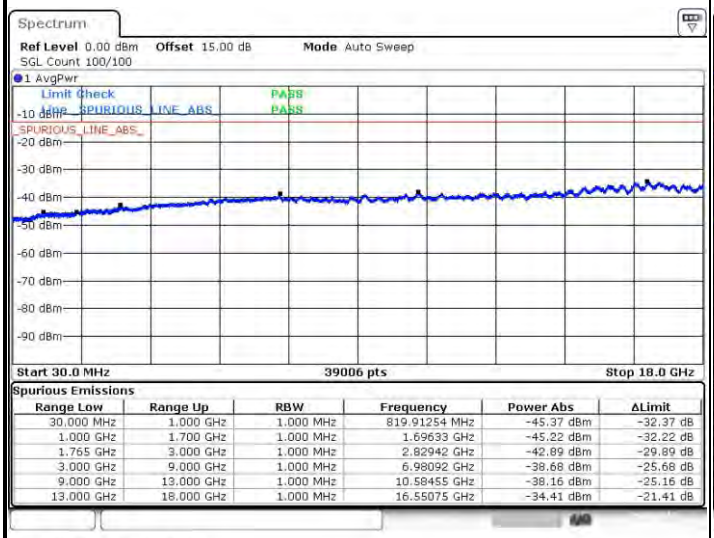


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-45.21 dBm	-32.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58718 GHz	-45.16 dBm	-32.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84300 GHz	-42.92 dBm	-29.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-38.61 dBm	-25.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.56230 GHz	-37.96 dBm	-24.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55033 GHz	-34.36 dBm	-21.36 dB

Date: 29.AUG.2015 00:37:28

Highest Channel / QPSK

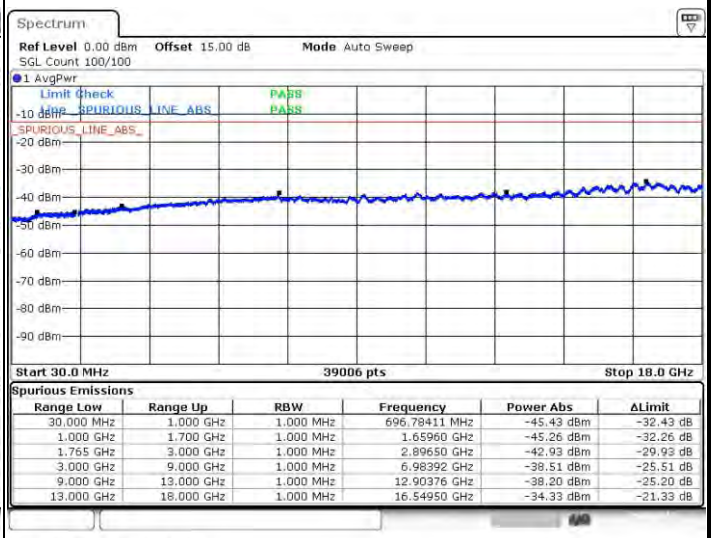


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	819.91254 MHz	-45.37 dBm	-32.37 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-45.22 dBm	-32.22 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82942 GHz	-42.89 dBm	-29.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98092 GHz	-38.68 dBm	-25.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58455 GHz	-38.16 dBm	-25.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55075 GHz	-34.41 dBm	-21.41 dB

Date: 29.AUG.2015 00:45:08

Highest Channel / 16QAM



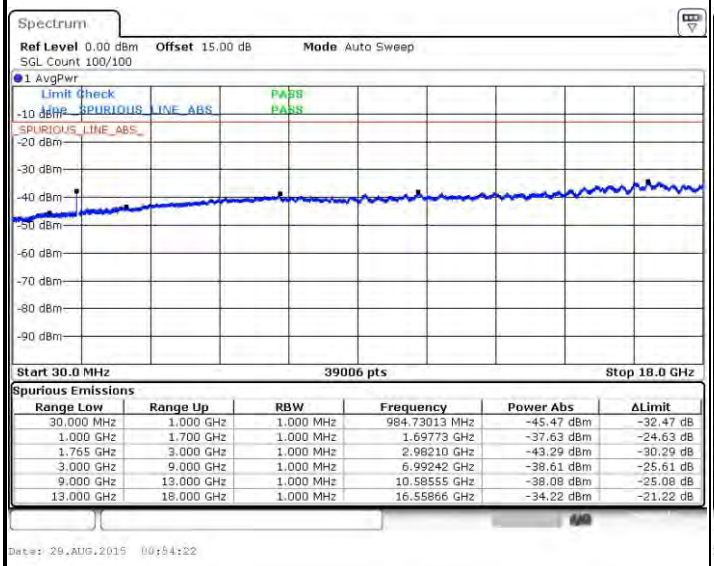
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	696.78411 MHz	-45.43 dBm	-32.43 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65960 GHz	-45.26 dBm	-32.26 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.89650 GHz	-42.93 dBm	-29.93 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98392 GHz	-38.51 dBm	-25.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.90376 GHz	-38.20 dBm	-25.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54950 GHz	-34.33 dBm	-21.33 dB

Date: 29.AUG.2015 00:46:27

LTE Band 4 / 15MHz

Lowest Channel / QPSK

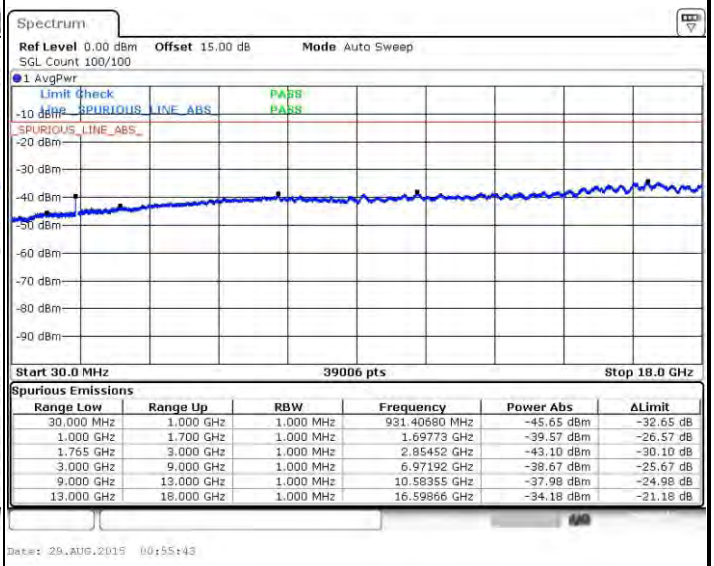


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-45.47 dBm	-32.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-37.63 dBm	-24.63 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98210 GHz	-43.29 dBm	-30.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99242 GHz	-38.61 dBm	-25.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58555 GHz	-38.08 dBm	-25.08 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.55866 GHz	-34.22 dBm	-21.22 dB

Date: 29.AUG.2015 00:54:22

Lowest Channel / 16QAM

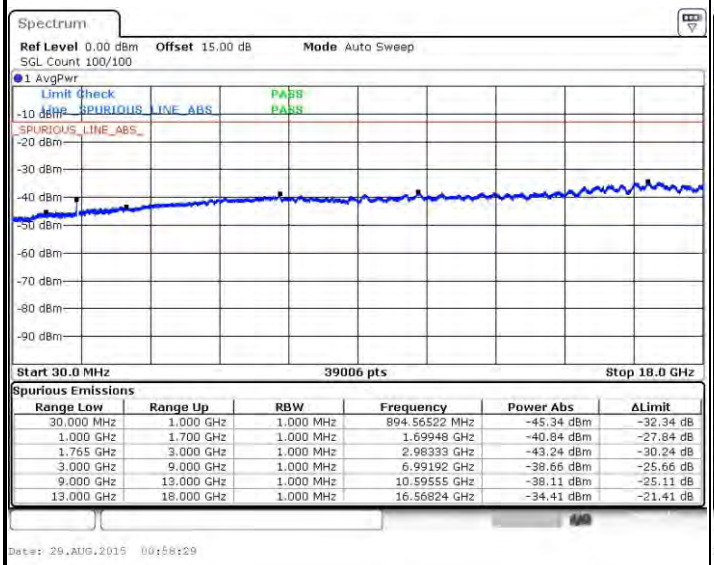


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-45.65 dBm	-32.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-39.57 dBm	-26.57 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85452 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97192 GHz	-38.67 dBm	-25.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58355 GHz	-37.98 dBm	-24.98 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.59866 GHz	-34.18 dBm	-21.18 dB

Date: 29.AUG.2015 00:55:43

Middle Channel / QPSK

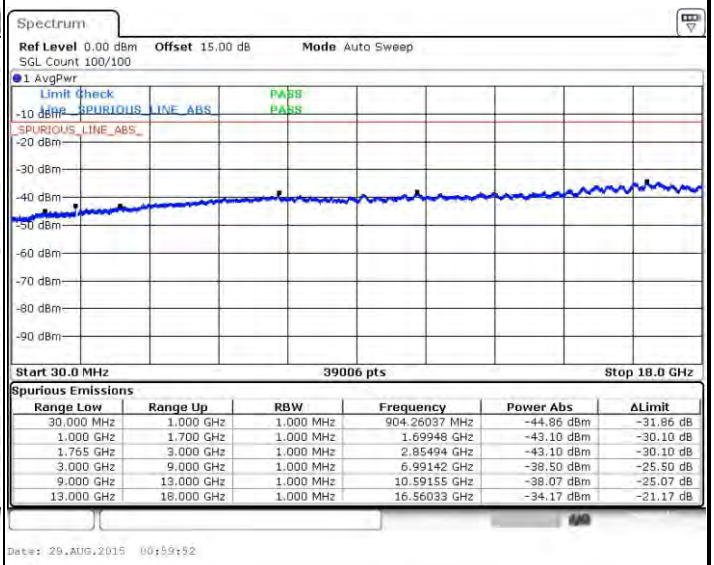


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-45.34 dBm	-32.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-40.84 dBm	-27.84 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98333 GHz	-43.24 dBm	-30.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-38.66 dBm	-25.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59555 GHz	-38.11 dBm	-25.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56824 GHz	-34.41 dBm	-21.41 dB

Date: 29.AUG.2015 00:58:29

Middle Channel / 16QAM



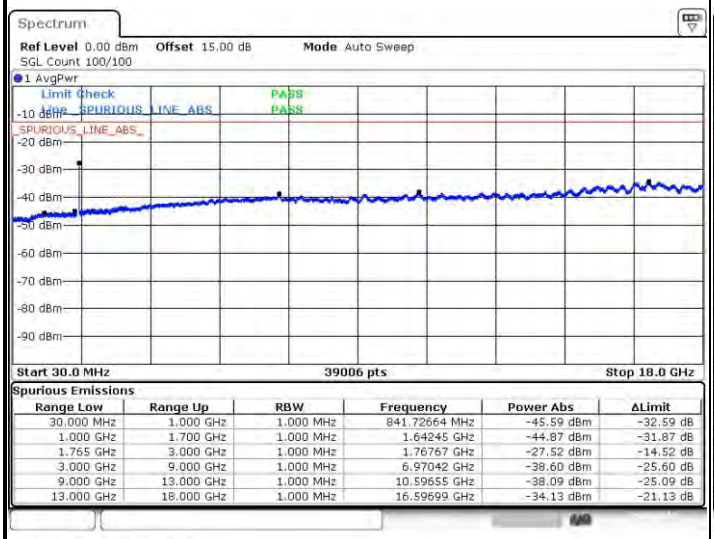
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-44.86 dBm	-31.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-43.10 dBm	-30.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85494 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-38.50 dBm	-25.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59155 GHz	-38.07 dBm	-25.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56033 GHz	-34.17 dBm	-21.17 dB

Date: 29.AUG.2015 00:59:52

LTE Band 4 / 15MHz

Highest Channel / QPSK

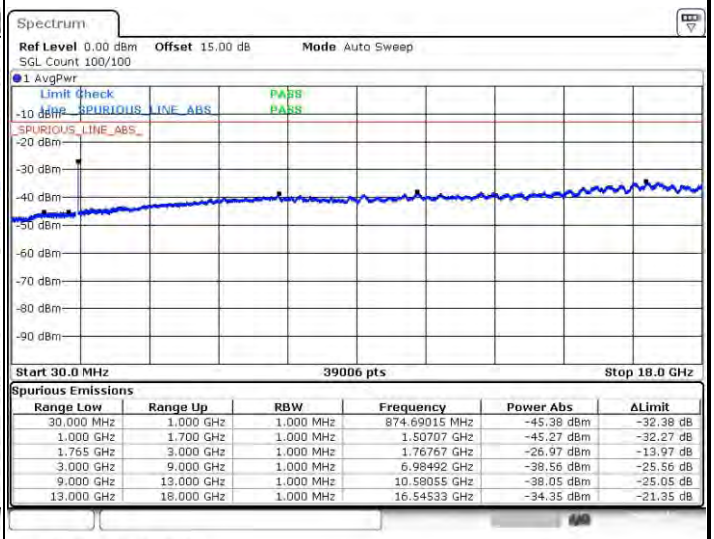


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	841.72664 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64245 GHz	-44.87 dBm	-31.87 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-27.52 dBm	-14.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97042 GHz	-38.60 dBm	-25.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59655 GHz	-38.09 dBm	-25.09 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.59699 GHz	-34.13 dBm	-21.13 dB

Date: 29.AUG.2015 01:08:14

Highest Channel / 16QAM



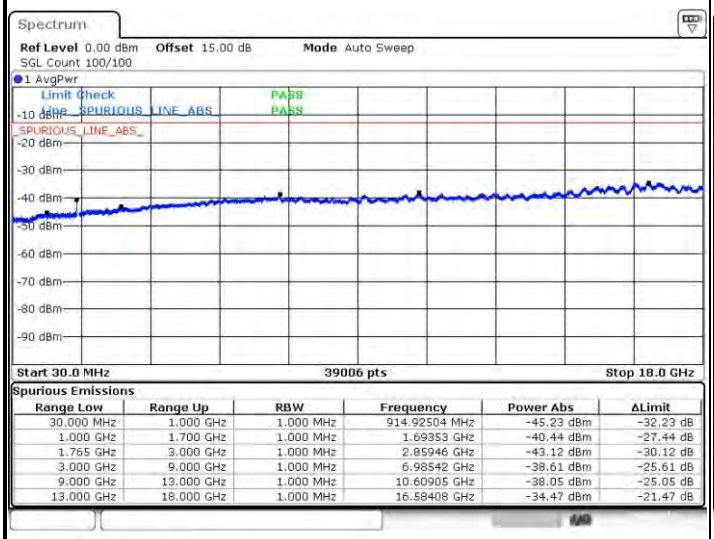
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.69015 MHz	-45.38 dBm	-32.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.50707 GHz	-45.27 dBm	-32.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-26.97 dBm	-13.97 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-38.56 dBm	-25.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58055 GHz	-38.05 dBm	-25.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54533 GHz	-34.35 dBm	-21.35 dB

Date: 29.AUG.2015 01:09:39

LTE Band 4 / 20MHz

Lowest Channel / QPSK

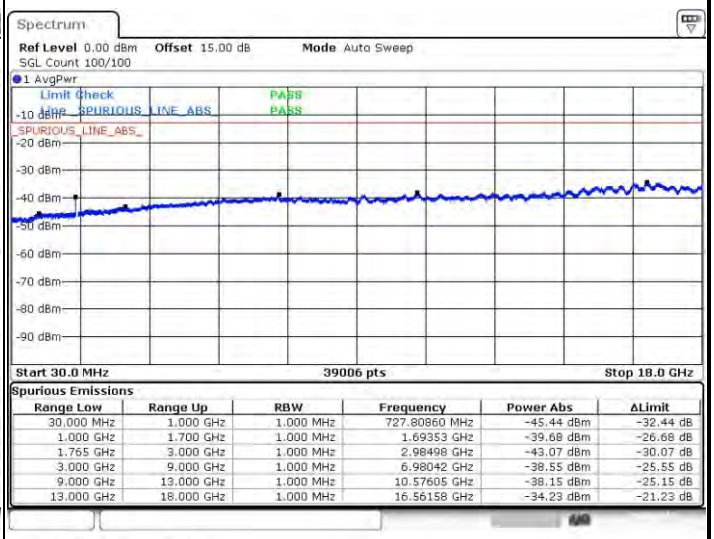


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-45.23 dBm	-32.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-40.44 dBm	-27.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85946 GHz	-43.12 dBm	-30.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98542 GHz	-38.61 dBm	-25.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60905 GHz	-38.05 dBm	-25.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.58408 GHz	-34.47 dBm	-21.47 dB

Date: 29.AUG.2015 01:18:21

Lowest Channel / 16QAM



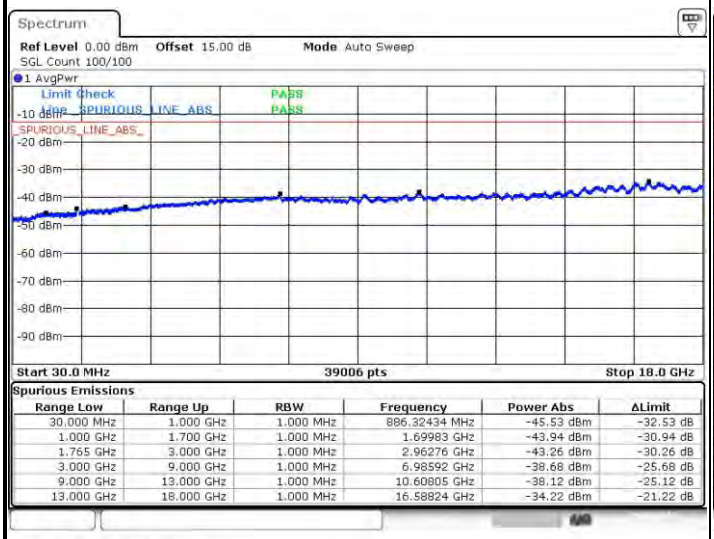
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	727.80860 MHz	-45.44 dBm	-32.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-39.68 dBm	-26.68 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98498 GHz	-43.07 dBm	-30.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98042 GHz	-38.55 dBm	-25.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57605 GHz	-38.15 dBm	-25.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56158 GHz	-34.23 dBm	-21.23 dB

Date: 29.AUG.2015 01:19:48

LTE Band 4 / 20MHz

Middle Channel / QPSK

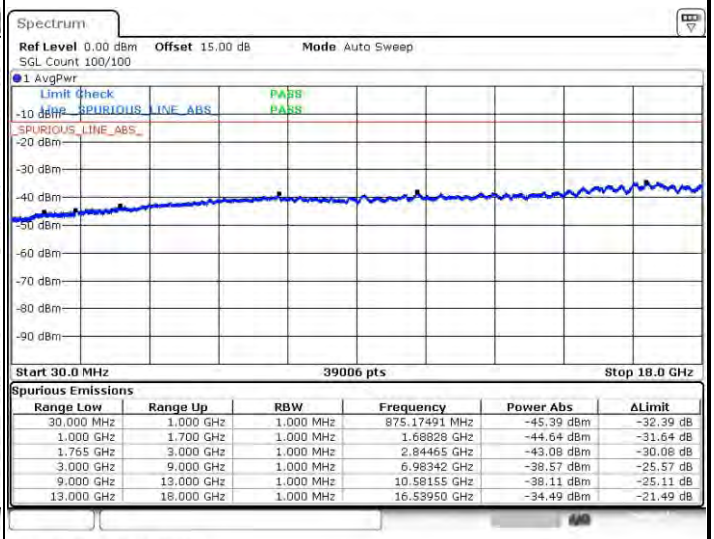


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-45.53 dBm	-32.53 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-43.94 dBm	-30.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96276 GHz	-43.26 dBm	-30.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98592 GHz	-38.68 dBm	-25.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60805 GHz	-38.12 dBm	-25.12 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.58824 GHz	-34.22 dBm	-21.22 dB

Date: 29.AUG.2015 01:23:00

Middle Channel / 16QAM

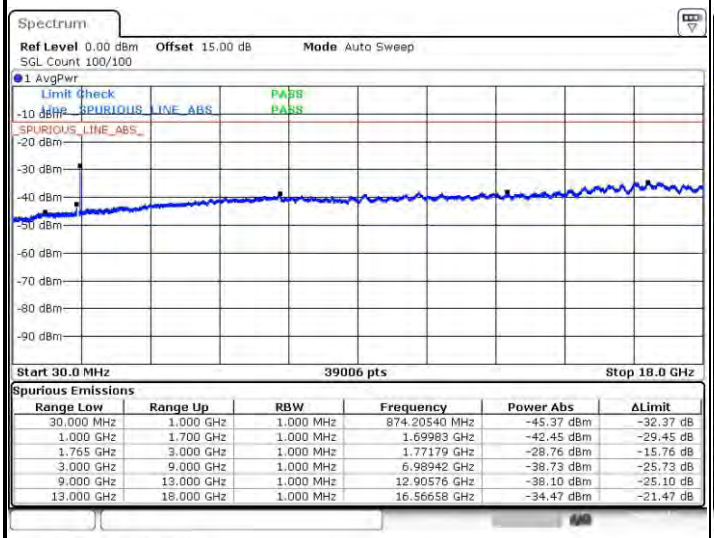


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-45.39 dBm	-32.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68828 GHz	-44.64 dBm	-31.64 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84465 GHz	-43.08 dBm	-30.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98342 GHz	-38.57 dBm	-25.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58155 GHz	-38.11 dBm	-25.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.53950 GHz	-34.49 dBm	-21.49 dB

Date: 29.AUG.2015 01:24:27

Highest Channel / QPSK

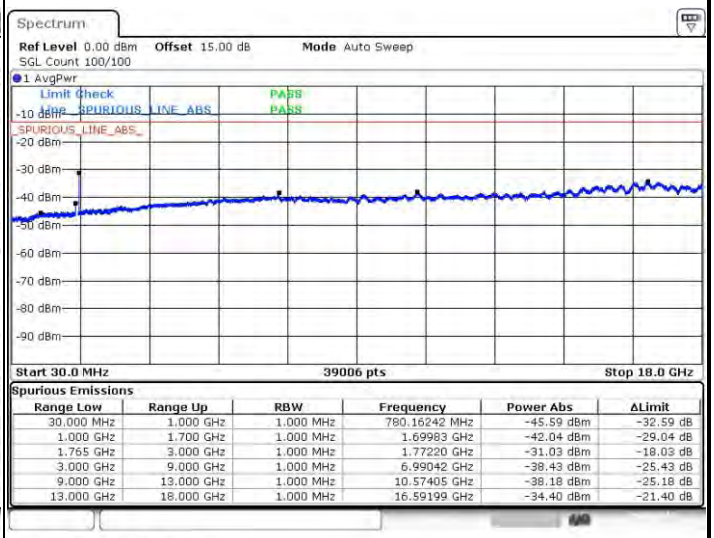


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.20540 MHz	-45.37 dBm	-32.37 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-42.45 dBm	-29.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-28.76 dBm	-15.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-38.73 dBm	-25.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.90576 GHz	-38.10 dBm	-25.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.56658 GHz	-34.47 dBm	-21.47 dB

Date: 29.AUG.2015 01:33:35

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	780.16242 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-42.04 dBm	-29.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-31.03 dBm	-18.03 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-38.43 dBm	-25.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57405 GHz	-38.18 dBm	-25.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.59199 GHz	-34.40 dBm	-21.40 dB

Date: 29.AUG.2015 01:35:04

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	0.0352	PASS
40	Normal Voltage	0.0310	
30	Normal Voltage	0.0282	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0070	
-30	Normal Voltage	0.0085	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5V.；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.

LTE Band 7

Conducted Output Power(Average power)

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.53	22.51	21.94
20	1	49		22.48	22.43	21.84
20	1	99		22.43	22.21	21.93
20	50	0		21.55	21.53	20.89
20	50	24		21.54	21.45	20.83
20	50	50		21.52	21.39	20.84
20	100	0		21.53	21.44	20.85
20	1	0	16-QAM	21.69	21.83	21.21
20	1	49		21.79	21.61	21.17
20	1	99		21.78	21.44	21.28
20	50	0		20.55	20.53	19.92
20	50	24		20.57	20.44	19.87
20	50	50		20.57	20.38	19.92
20	100	0		20.52	20.42	19.88
15	1	0	QPSK	22.40	22.48	21.82
15	1	37		22.46	22.40	21.85
15	1	74		22.45	22.25	21.91
15	36	0		21.53	21.52	20.86
15	36	20		21.56	21.47	20.91
15	36	39		21.57	21.44	20.88
15	75	0		21.54	21.47	20.86
15	1	0	16-QAM	21.62	21.75	21.14
15	1	37		21.71	21.67	21.22
15	1	74		21.74	21.50	21.34
15	36	0		20.53	20.53	19.89
15	36	20		20.56	20.46	19.91
15	36	39		20.57	20.42	19.94
15	75	0		20.55	20.44	19.91

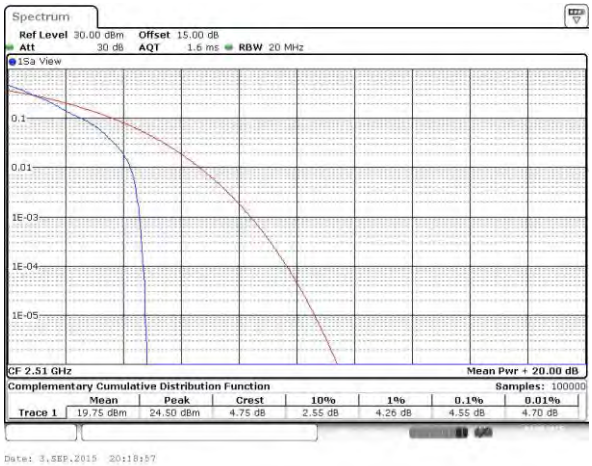
LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.26	22.43	21.73
10	1	25		22.30	22.37	21.75
10	1	49		22.29	22.25	21.80
10	25	0		21.34	21.46	20.73
10	25	12		21.36	21.42	20.75
10	25	25		21.38	21.41	20.78
10	50	0		21.39	21.46	20.74
10	1	0	16-QAM	21.53	21.69	21.09
10	1	25		21.57	21.65	21.14
10	1	49		21.61	21.50	21.16
10	25	0		20.36	20.48	19.76
10	25	12		20.38	20.41	19.78
10	25	25		20.40	20.39	19.84
10	50	0		20.40	20.44	19.78
5	1	0	QPSK	22.24	22.42	21.73
5	1	12		22.28	22.40	21.80
5	1	24		22.23	22.25	21.75
5	12	0		21.39	21.49	20.83
5	12	7		21.37	21.46	20.86
5	12	13		21.39	21.44	20.86
5	25	0		21.33	21.43	20.80
5	1	0	16-QAM	21.52	21.66	21.12
5	1	12		21.55	21.65	21.16
5	1	24		21.51	21.50	21.11
5	12	0		20.39	20.49	19.90
5	12	7		20.38	20.47	19.90
5	12	13		20.39	20.45	19.92
5	25	0		20.34	20.41	19.84

Peak-to-Average Ratio

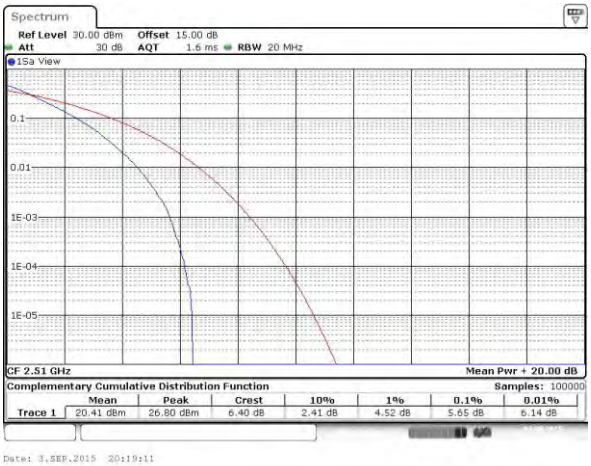
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	5.65	5.54	6.38	PASS
Middle CH	4.93	5.16	5.71	5.94	
Highest CH	4.84	5.71	6.06	6.49	

LTE Band 7 / 20MHz / QPSK

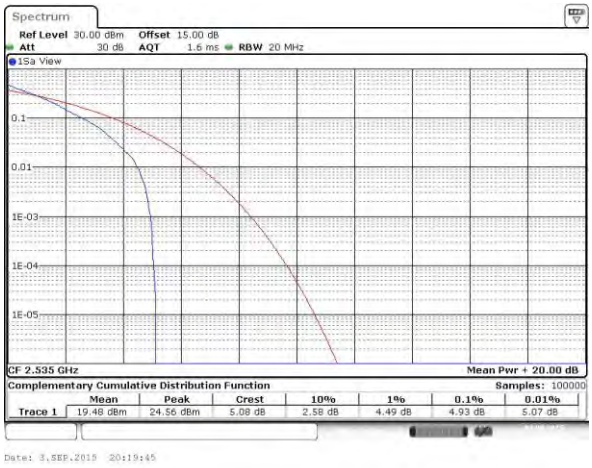
Lowest Channel / 1RB



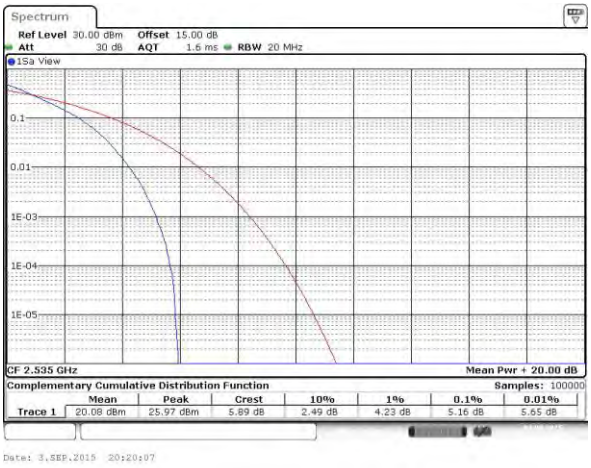
Lowest Channel / Full RB



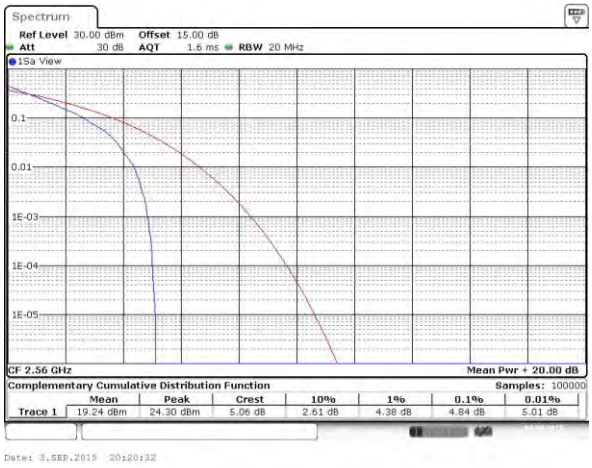
Middle Channel / 1RB



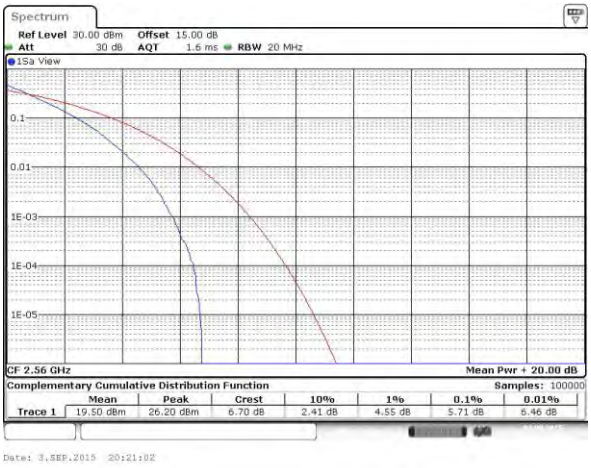
Middle Channel / Full RB



Highest Channel / 1RB

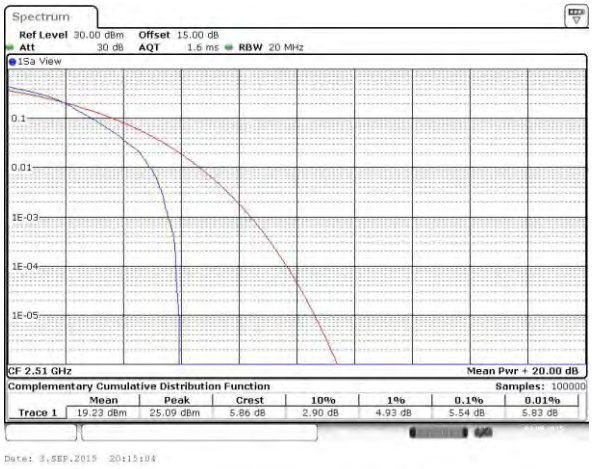


Highest Channel / Full RB

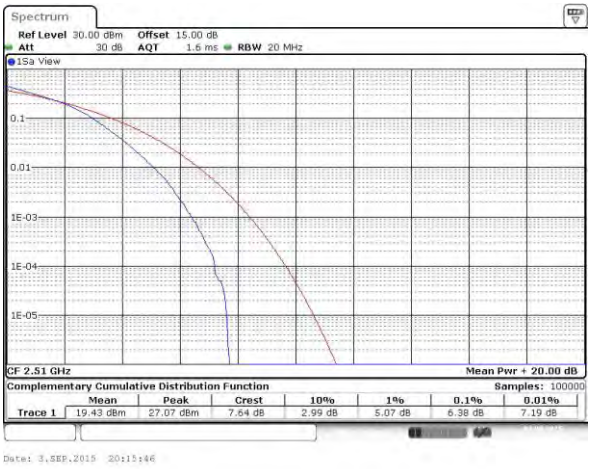


LTE Band 7 / 20MHz / 16QAM

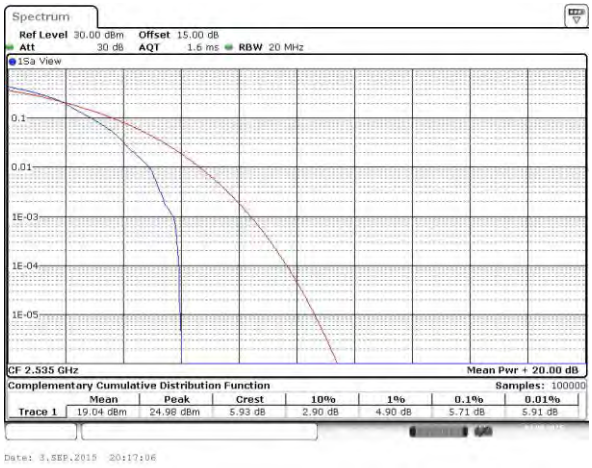
Lowest Channel / 1RB



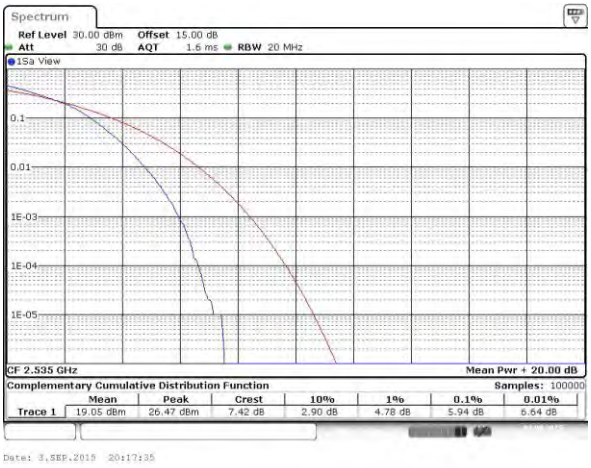
Lowest Channel / Full RB



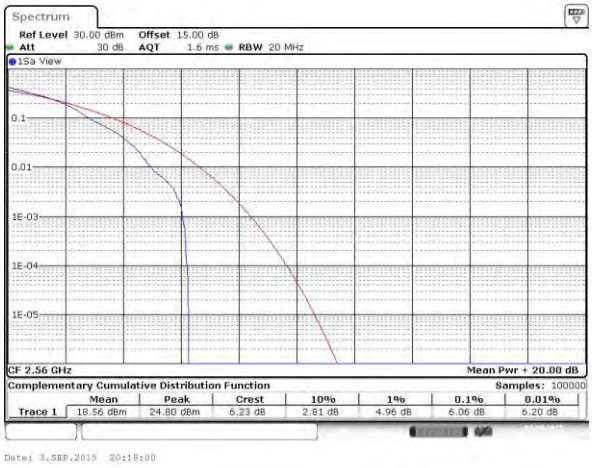
Middle Channel / 1RB



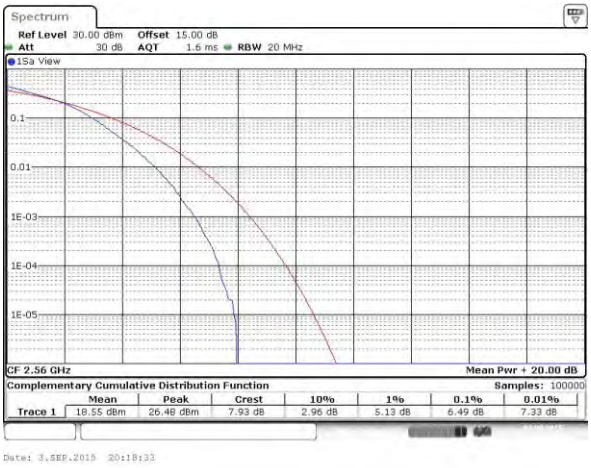
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

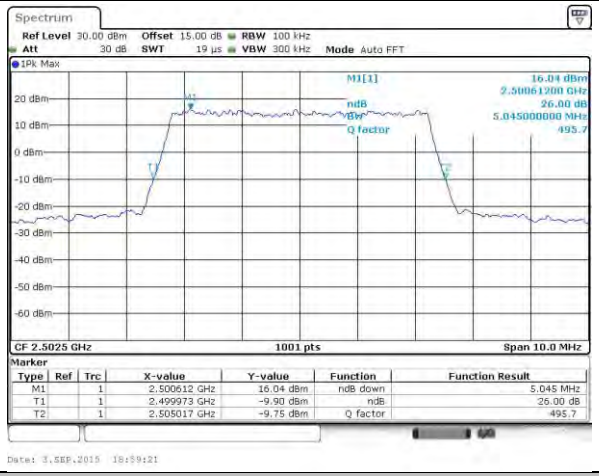


26dB Bandwidth

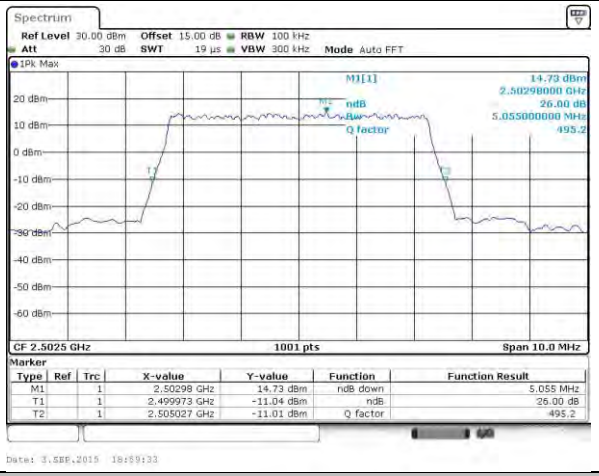
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.05	5.06	10.05	9.95	14.81	14.84	20.58	20.30
Middle CH	-	-	-	-	5.11	5.07	10.13	9.99	14.81	14.93	20.34	20.34
Highest CH	-	-	-	-	5.07	5.05	10.03	9.95	14.87	14.69	20.50	20.46

LTE Band 7

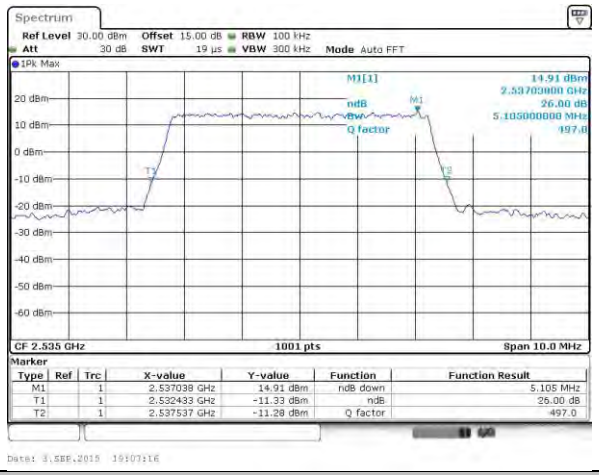
Lowest Channel / 5MHz / QPSK



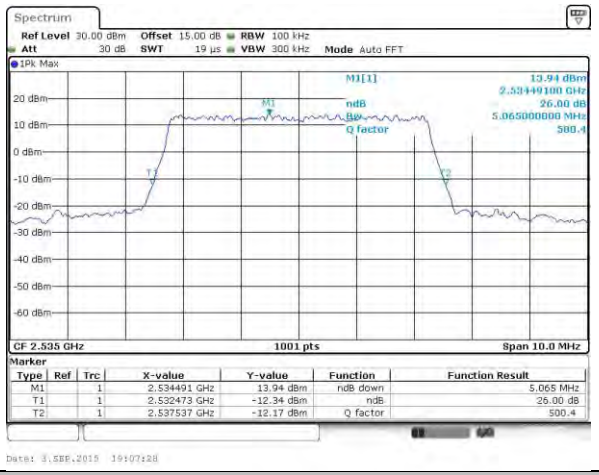
Lowest Channel / 5MHz / 16QAM



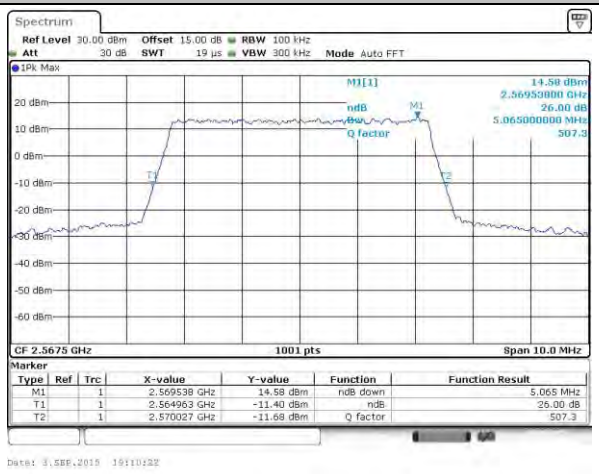
Middle Channel / 5MHz / QPSK



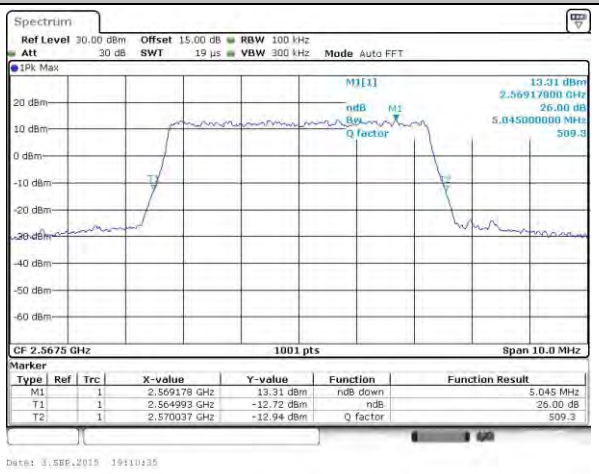
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

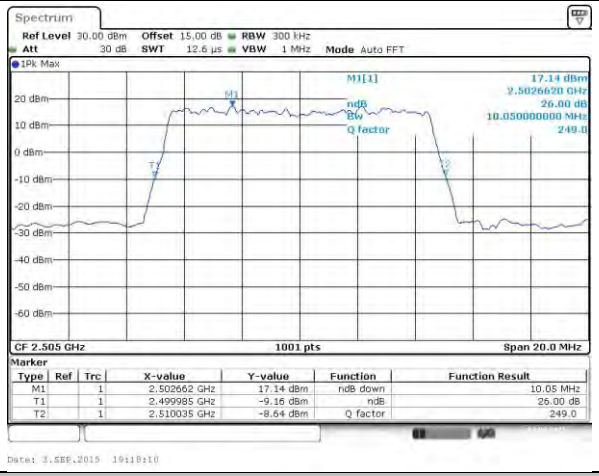


Highest Channel / 5MHz / 16QAM

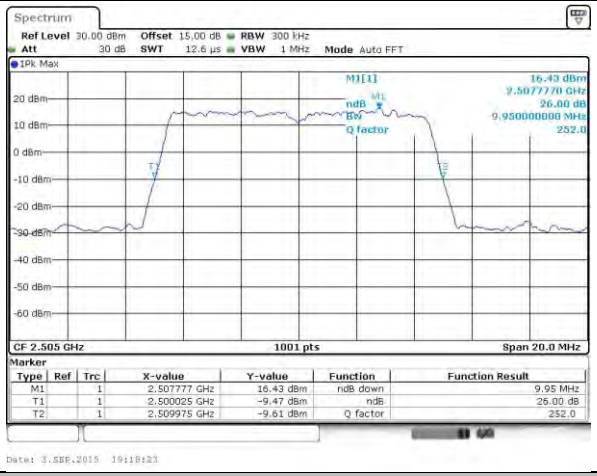


LTE Band 7

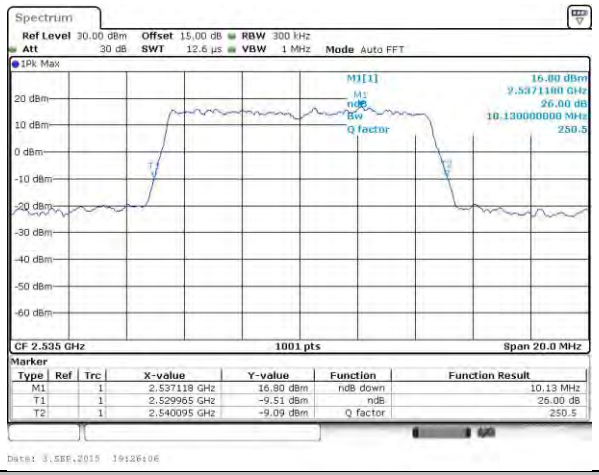
Lowest Channel / 10MHz / QPSK



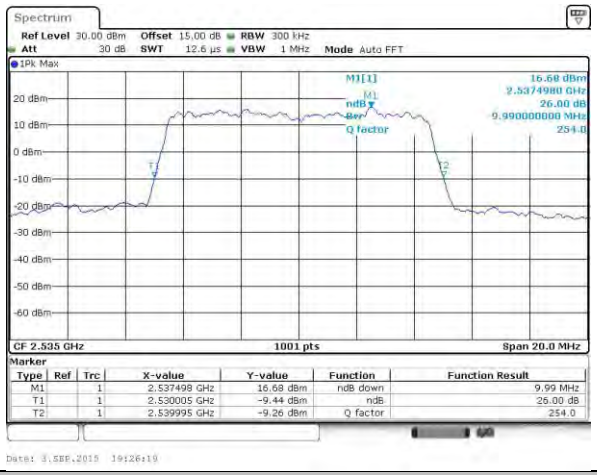
Lowest Channel / 10MHz / 16QAM



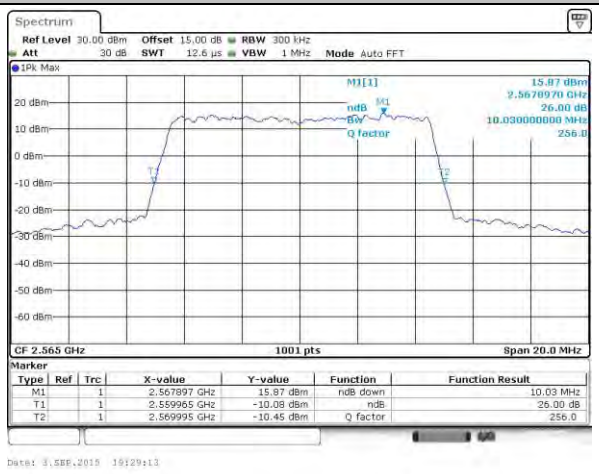
Middle Channel / 10MHz / QPSK



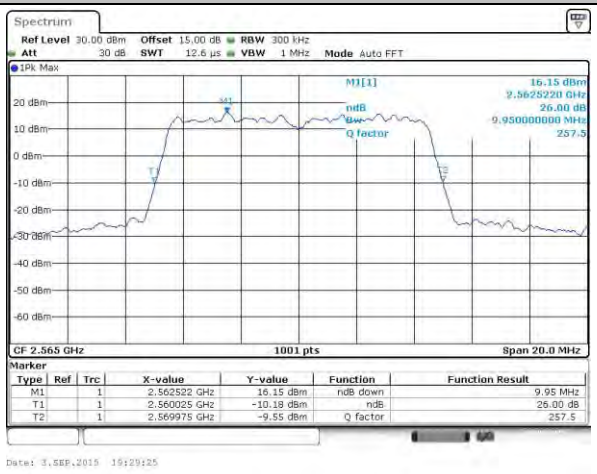
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

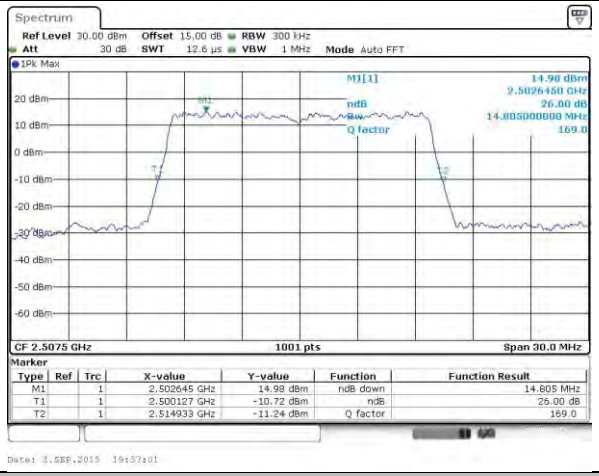


Highest Channel / 10MHz / 16QAM

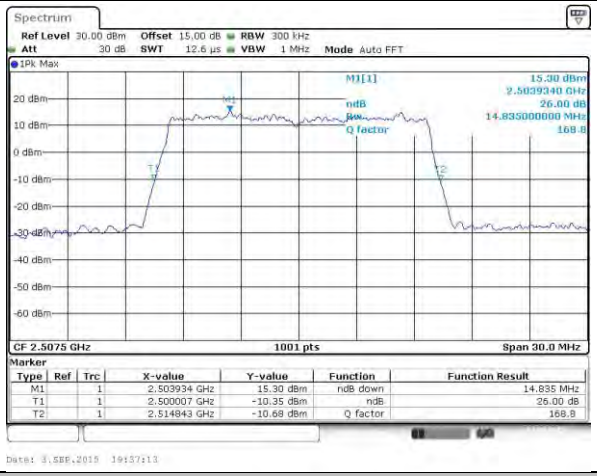


LTE Band 7

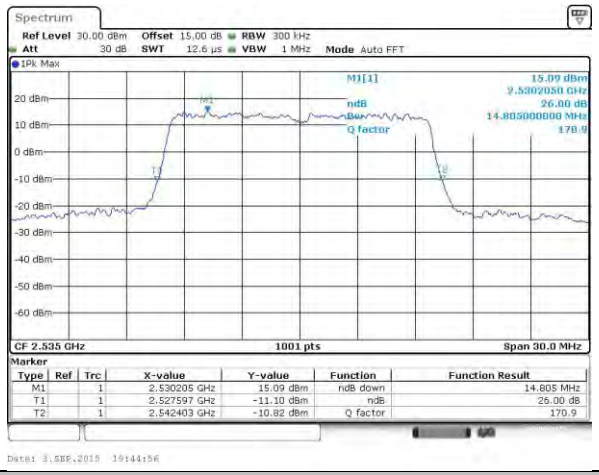
Lowest Channel / 15MHz / QPSK



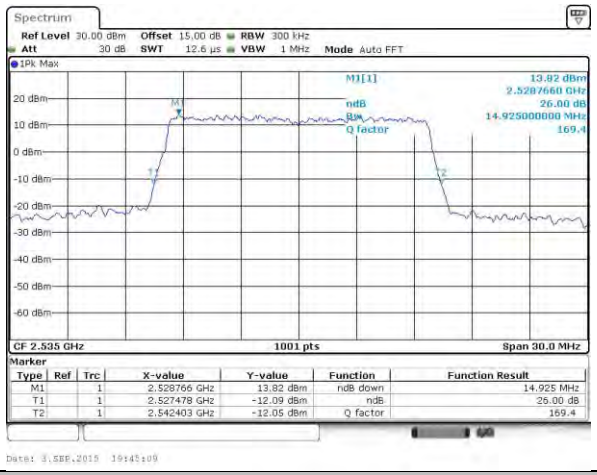
Lowest Channel / 15MHz / 16QAM



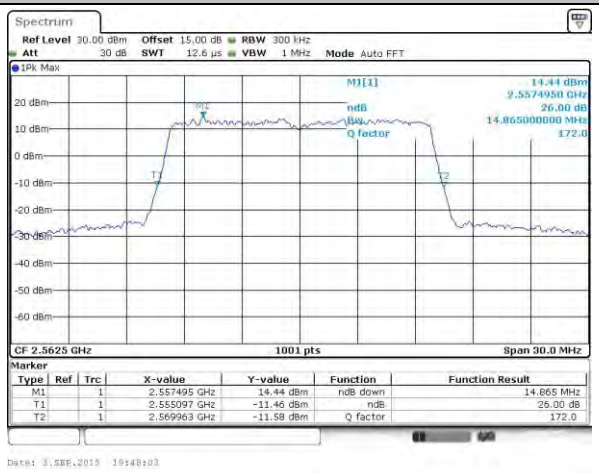
Middle Channel / 15MHz / QPSK



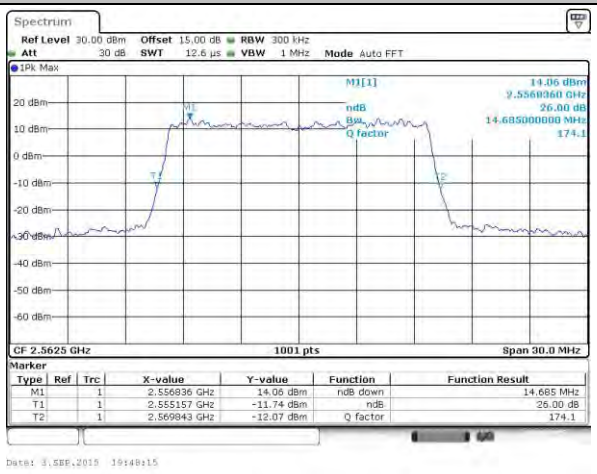
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

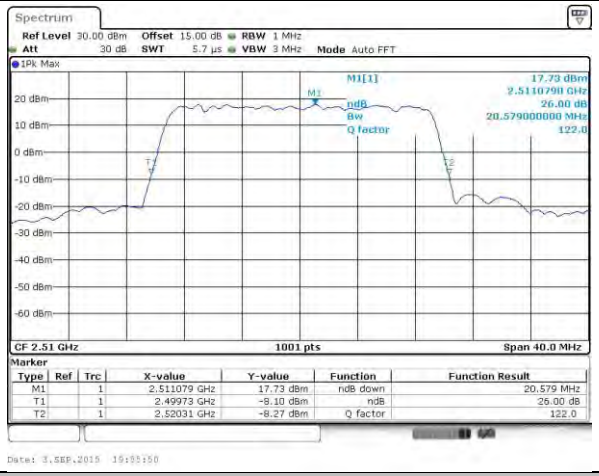


Highest Channel / 15MHz / 16QAM

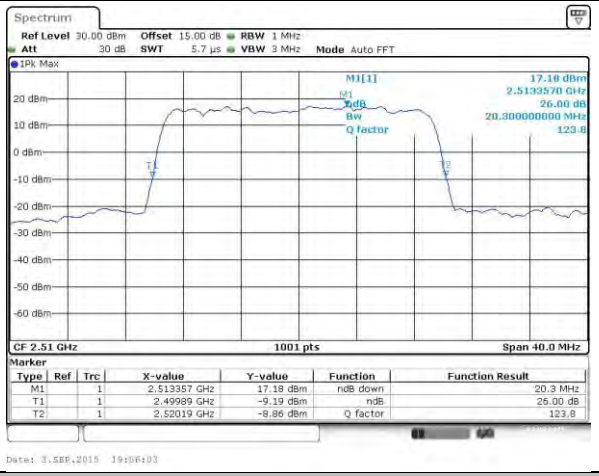


LTE Band 7

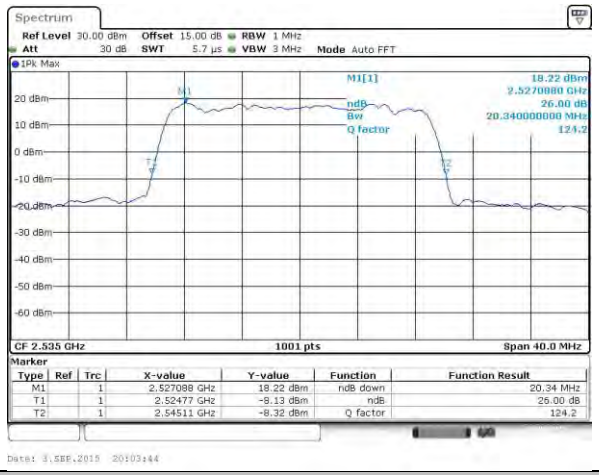
Lowest Channel / 20MHz / QPSK



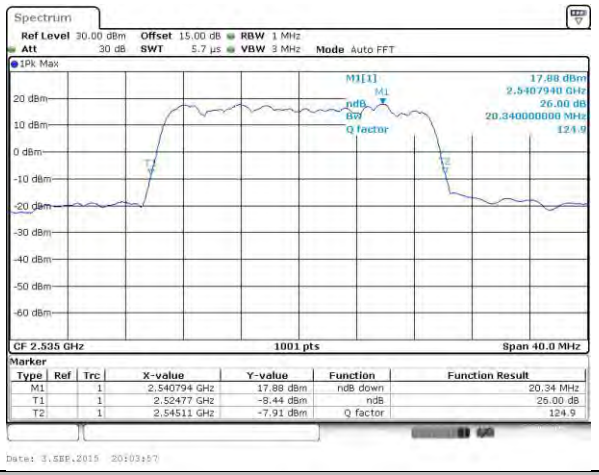
Lowest Channel / 20MHz / 16QAM



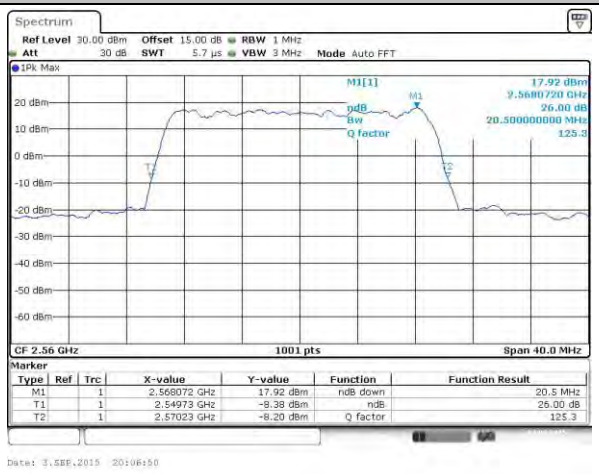
Middle Channel / 20MHz / QPSK



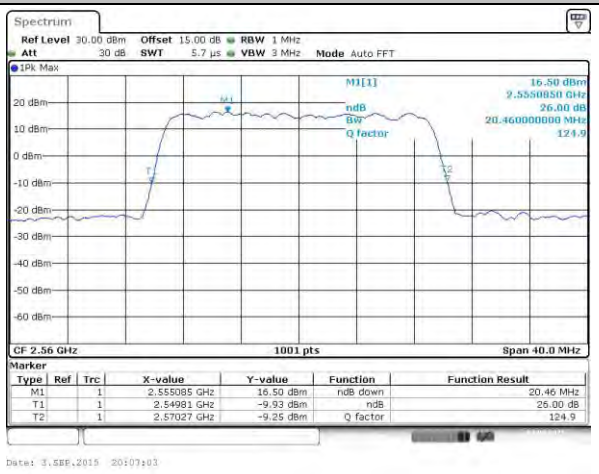
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

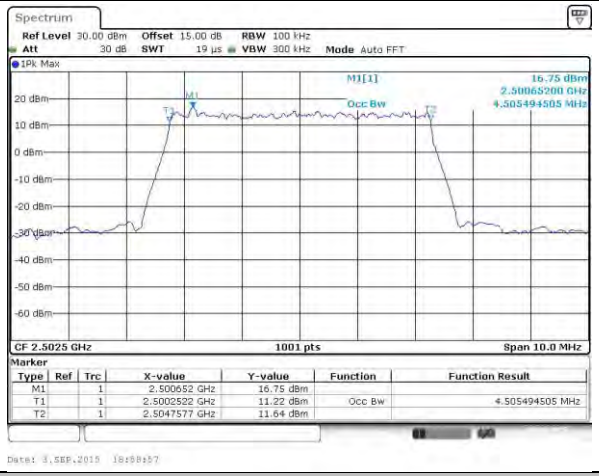


Occupied Bandwidth

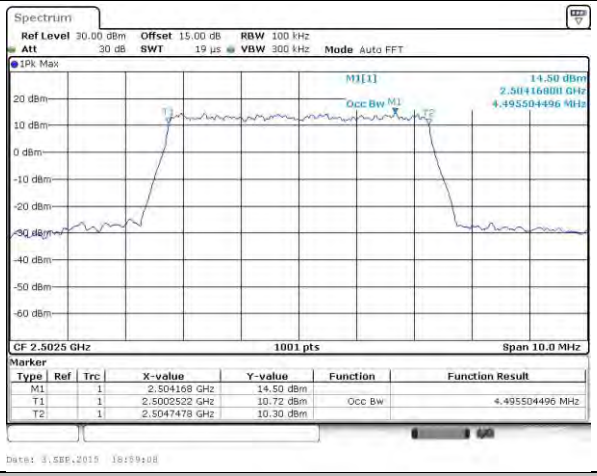
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.50	9.05	9.01	13.52	13.49	18.46	18.42
Middle CH	-	-	-	-	4.51	4.51	9.05	9.01	13.46	13.46	18.26	18.34
Highest CH	-	-	-	-	4.51	4.50	9.05	9.05	13.46	13.49	18.50	18.54

LTE Band 7

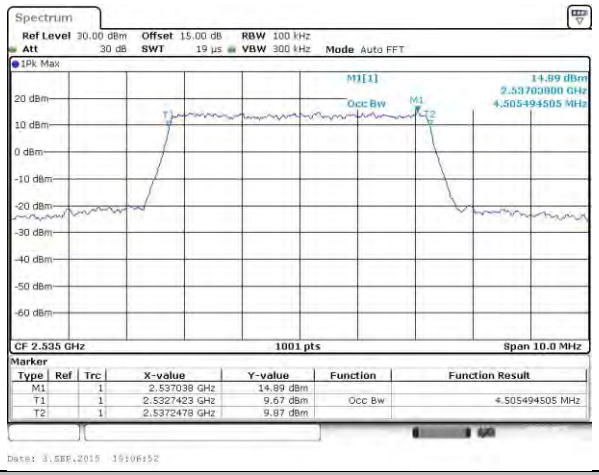
Lowest Channel / 5MHz / QPSK



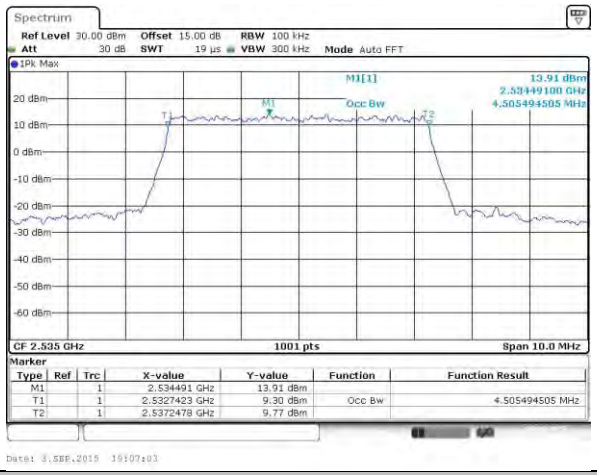
Lowest Channel / 5MHz / 16QAM



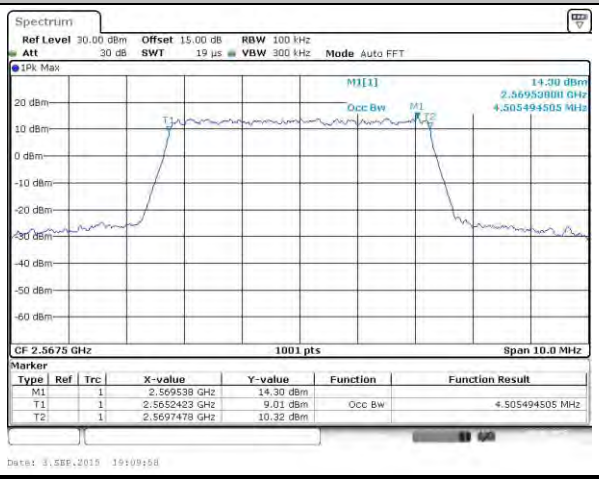
Middle Channel / 5MHz / QPSK



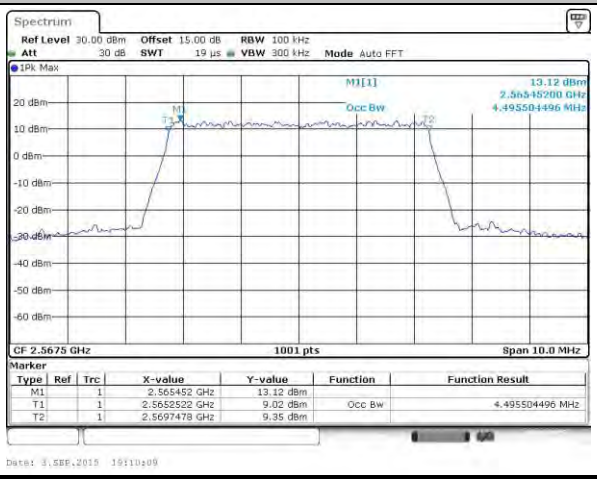
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

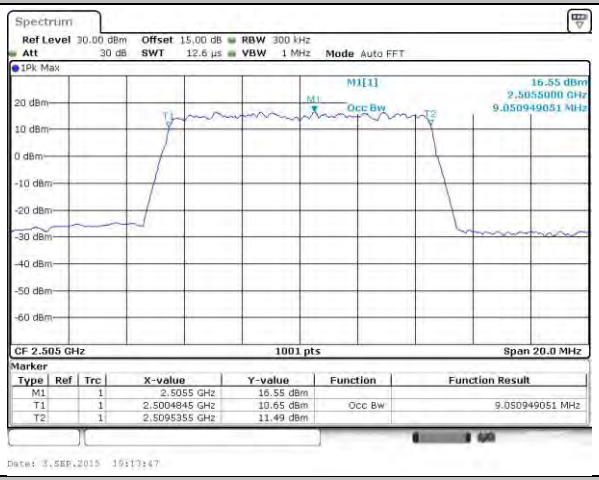


Highest Channel / 5MHz / 16QAM

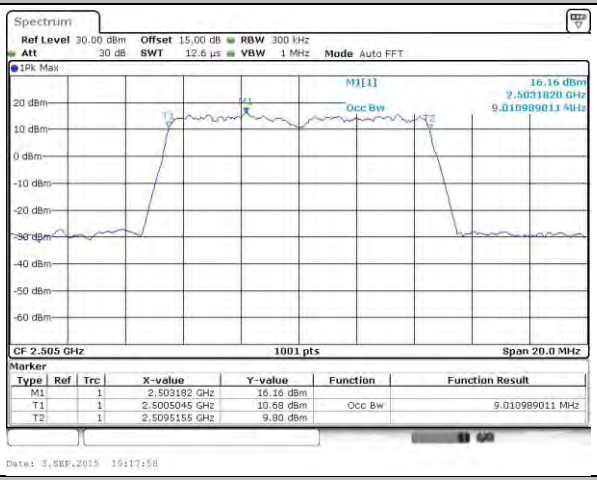


LTE Band 7

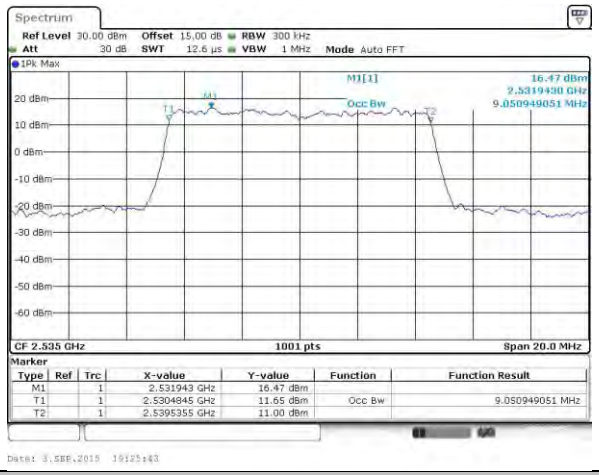
Lowest Channel / 10MHz / QPSK



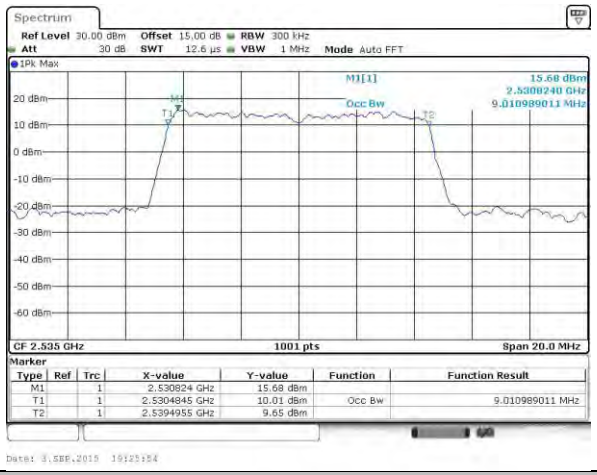
Lowest Channel / 10MHz / 16QAM



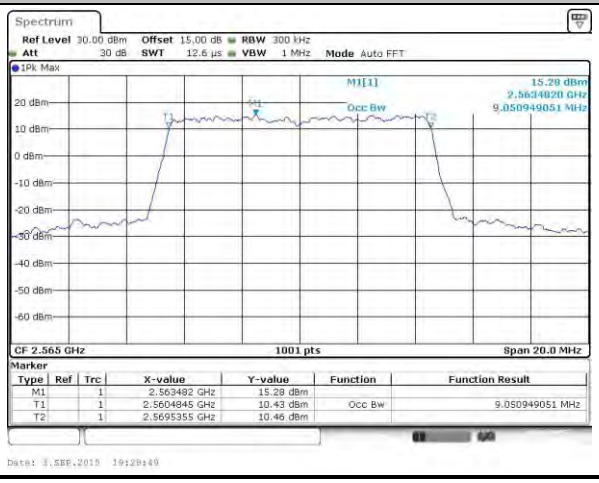
Middle Channel / 10MHz / QPSK



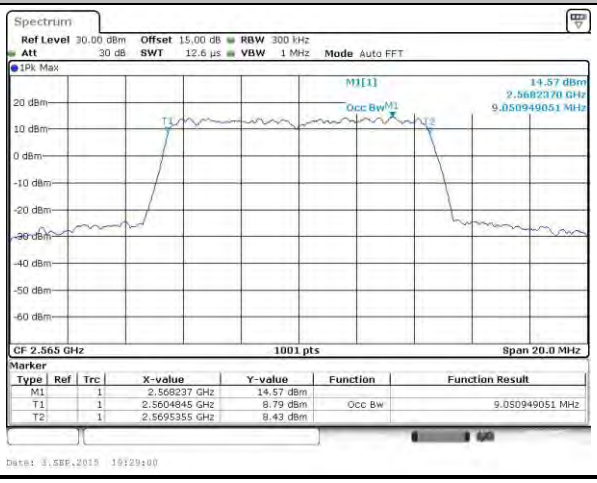
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

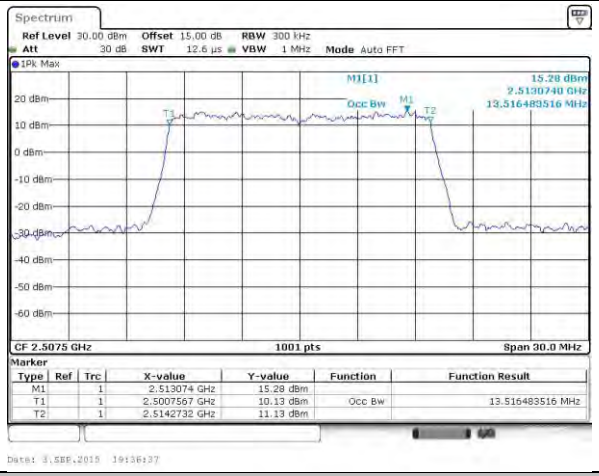


Highest Channel / 10MHz / 16QAM

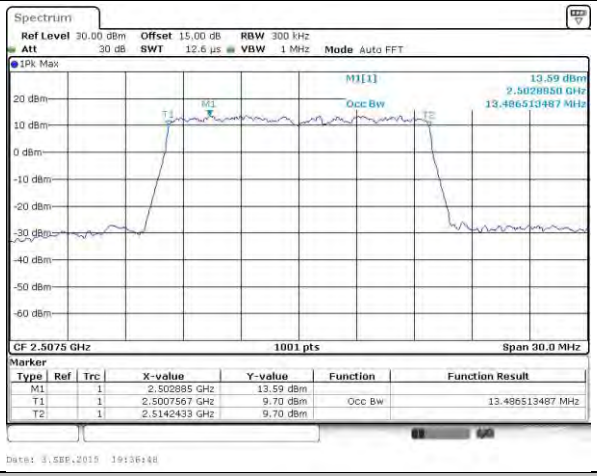


LTE Band 7

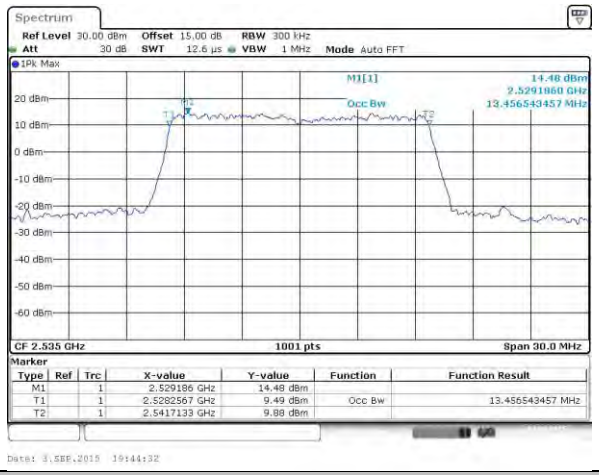
Lowest Channel / 15MHz / QPSK



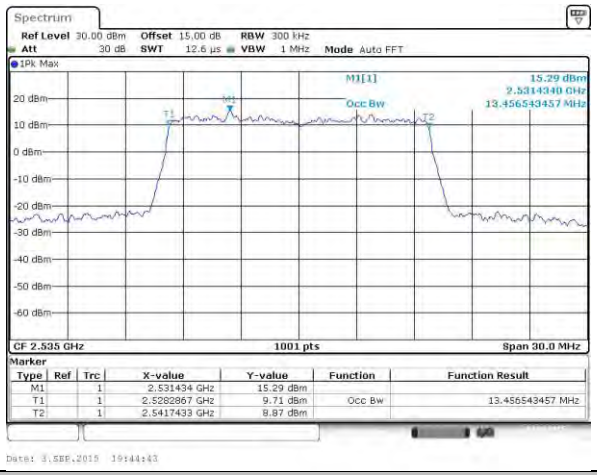
Lowest Channel / 15MHz / 16QAM



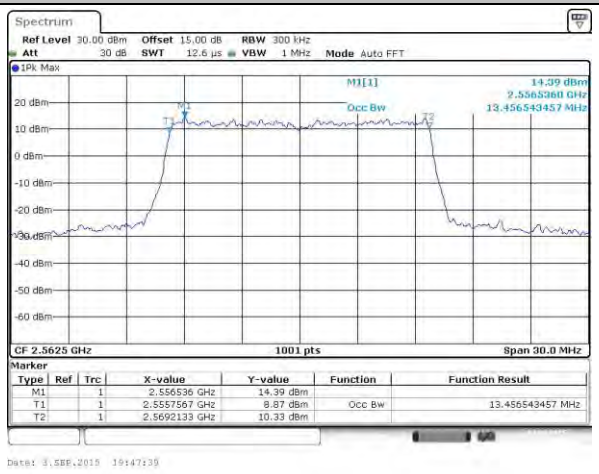
Middle Channel / 15MHz / QPSK



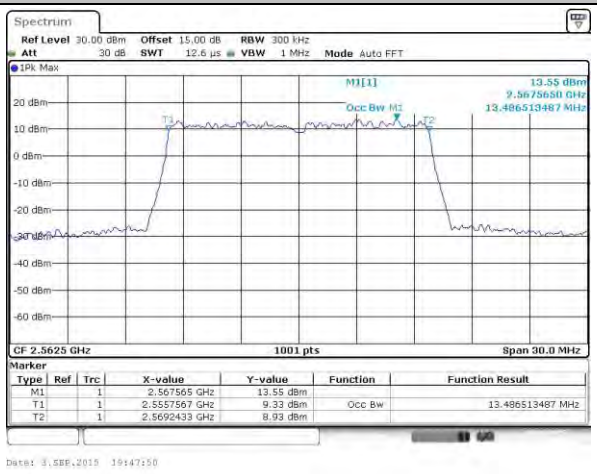
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

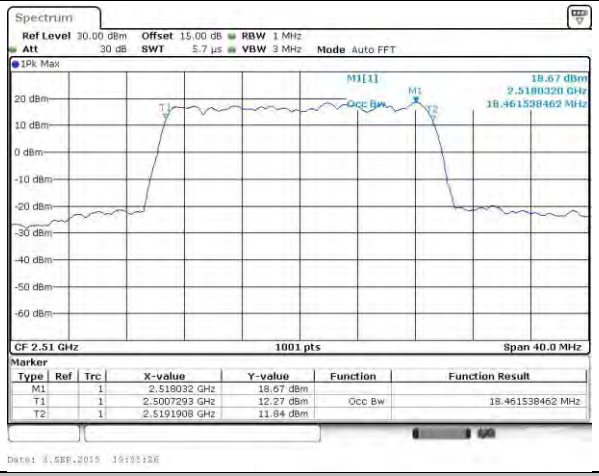


Highest Channel / 15MHz / 16QAM

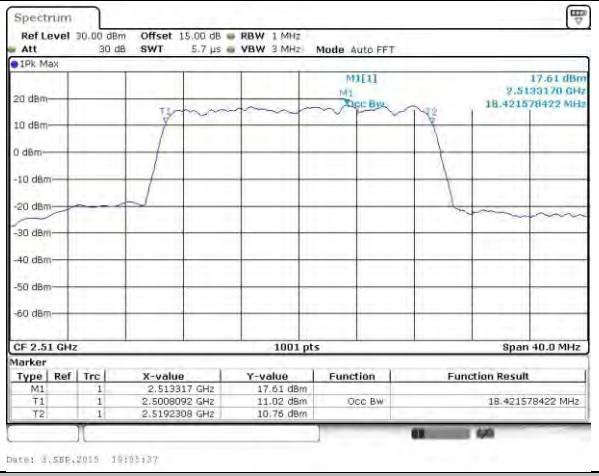


LTE Band 7

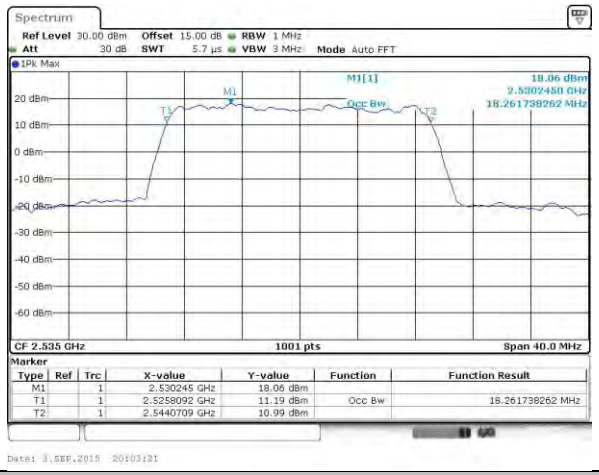
Lowest Channel / 20MHz / QPSK



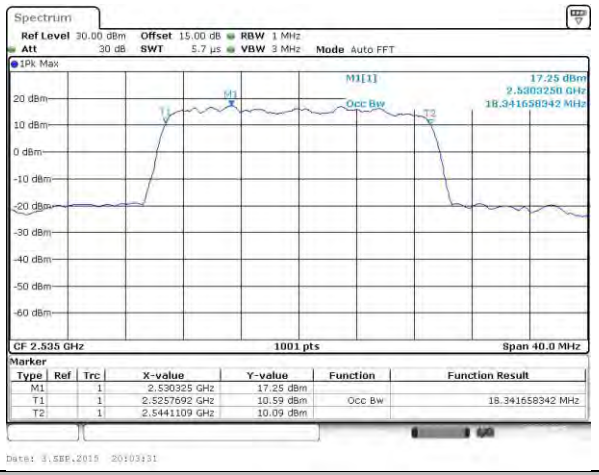
Lowest Channel / 20MHz / 16QAM



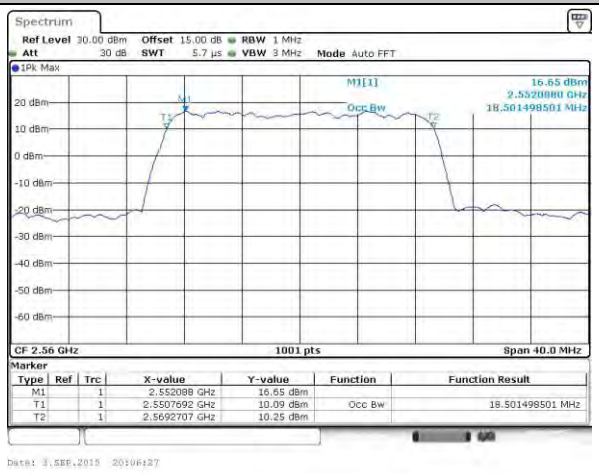
Middle Channel / 20MHz / QPSK



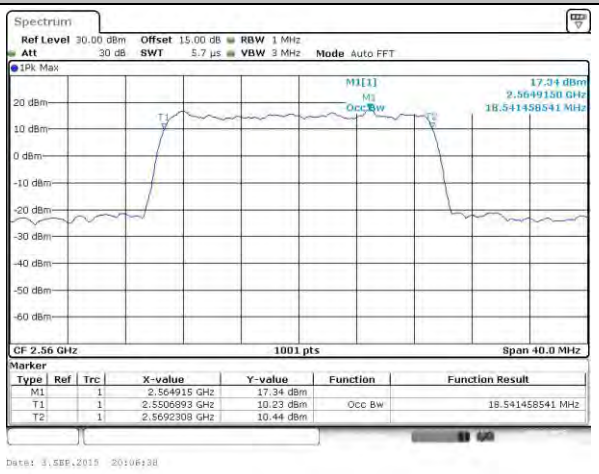
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



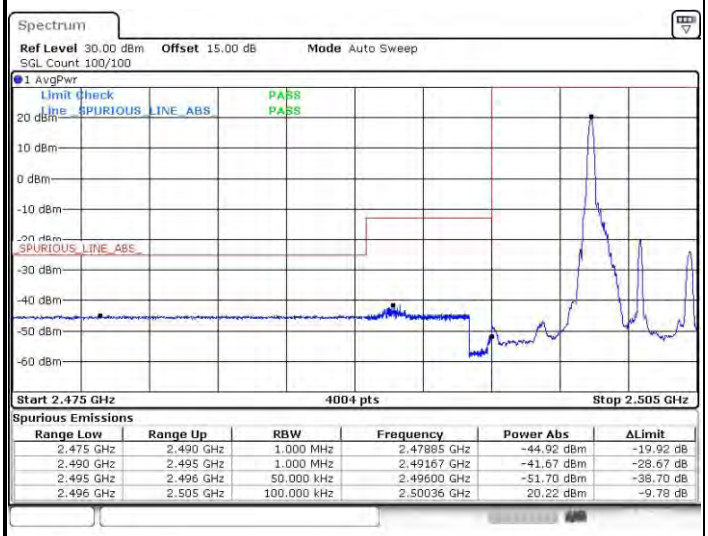
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47885 GHz	-44.92 dBm	-19.92 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49167 GHz	-41.67 dBm	-28.67 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-51.70 dBm	-38.70 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50036 GHz	20.22 dBm	-9.78 dB

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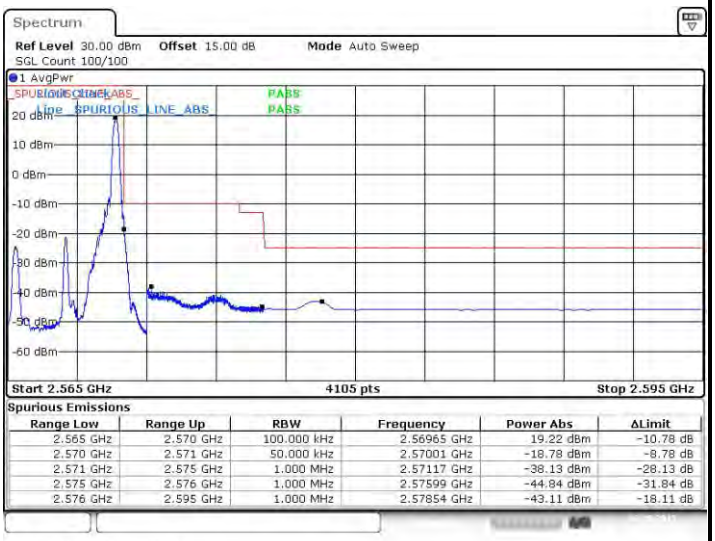
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	19.22 dBm	-10.78 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57001 GHz	-18.78 dBm	-8.78 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57117 GHz	-38.13 dBm	-28.13 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57599 GHz	-44.84 dBm	-31.84 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57854 GHz	-43.11 dBm	-18.11 dB

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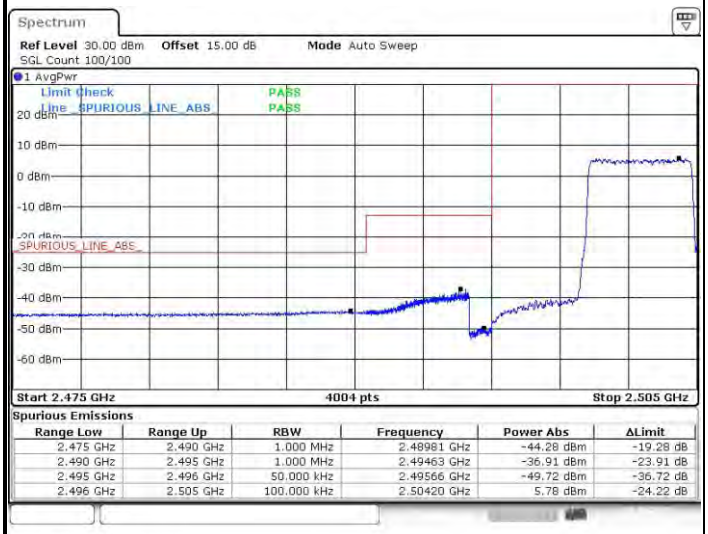
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48981 GHz	-44.28 dBm	-19.28 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49463 GHz	-36.91 dBm	-23.91 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49566 GHz	-49.72 dBm	-36.72 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50420 GHz	5.78 dBm	-24.22 dB

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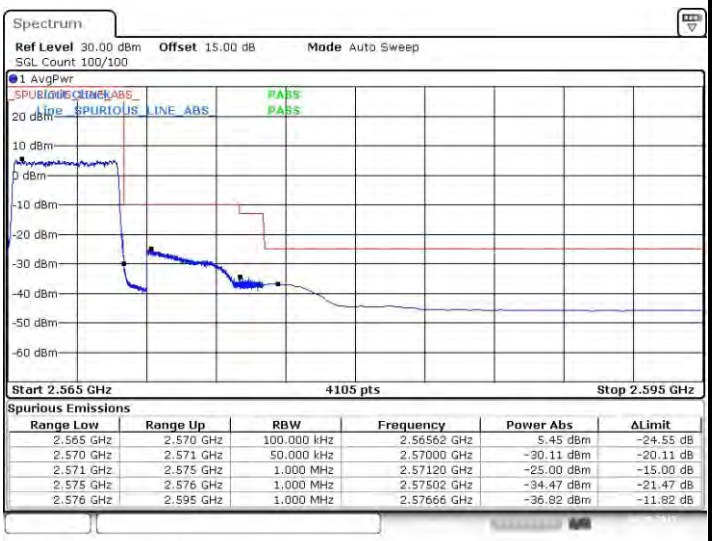
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56562 GHz	5.45 dBm	-24.55 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57000 GHz	-30.11 dBm	-20.11 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57120 GHz	-25.00 dBm	-15.00 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-34.47 dBm	-21.47 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57666 GHz	-36.82 dBm	-11.82 dB

Date: 3.SEP.2015 19:14:05