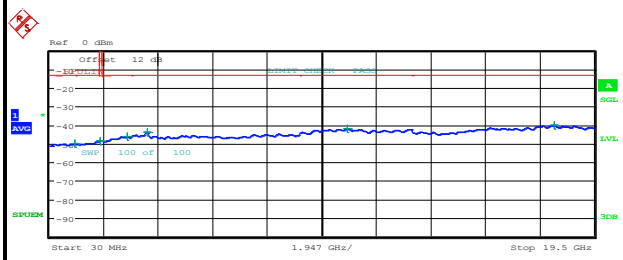
LTE Band 2 / 5MHz

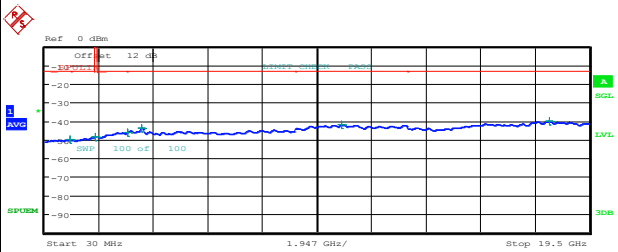
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	933.070000 M	-50.21	-37.21
1.000 G	1.840 G	1.00 M	1.836640 G	-48.56	-35.56
1.920 G	3.000 G	1.00 M	2.814240 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.510000 G	-44.09	-31.09
9.000 G	13.000 G	1.00 M	10.672000 G	-42.18	-29.18
13.000 G	19.500 G	1.00 M	18.063500 G	-40.22	-27.22

Date: 12.JAN.2015 14:29:20

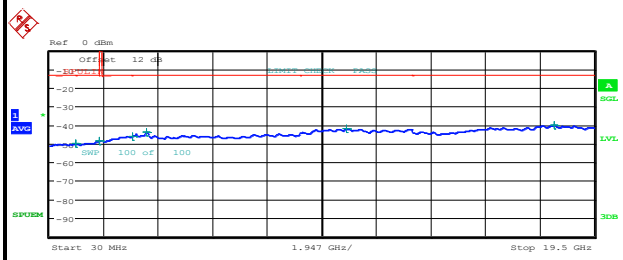
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	937.920000 M	-50.14	-37.14
1.000 G	1.840 G	1.00 M	1.837480 G	-48.64	-35.64
1.920 G	3.000 G	1.00 M	2.990280 G	-46.16	-33.16
3.000 G	9.000 G	1.00 M	3.504000 G	-44.00	-31.00
9.000 G	13.000 G	1.00 M	10.636000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.057000 G	-40.22	-27.22

Date: 12.JAN.2015 14:30:30

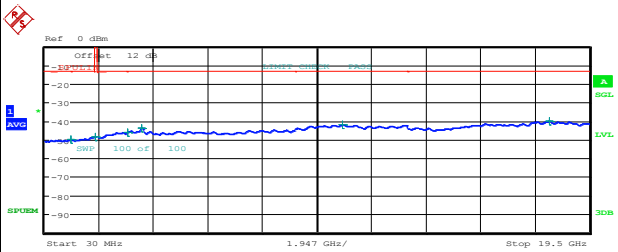
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	967.020000 M	-50.20	-37.20
1.000 G	1.840 G	1.00 M	1.814800 G	-48.48	-35.48
1.920 G	3.000 G	1.00 M	2.991360 G	-46.21	-33.21
3.000 G	9.000 G	1.00 M	3.504000 G	-44.08	-31.08
9.000 G	13.000 G	1.00 M	10.644000 G	-42.23	-29.23
13.000 G	19.500 G	1.00 M	18.057000 G	-40.20	-27.20

Date: 12.JAN.2015 14:32:27

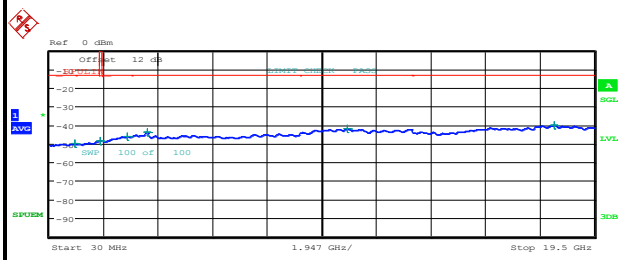
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	972.840000 M	-50.23	-37.23
1.000 G	1.840 G	1.00 M	1.837480 G	-48.64	-35.64
1.920 G	3.000 G	1.00 M	2.984880 G	-46.37	-33.37
3.000 G	9.000 G	1.00 M	3.504000 G	-44.02	-31.02
9.000 G	13.000 G	1.00 M	10.664000 G	-42.19	-29.19
13.000 G	19.500 G	1.00 M	18.050500 G	-40.15	-27.15

LTE Band 2 / 5MHz

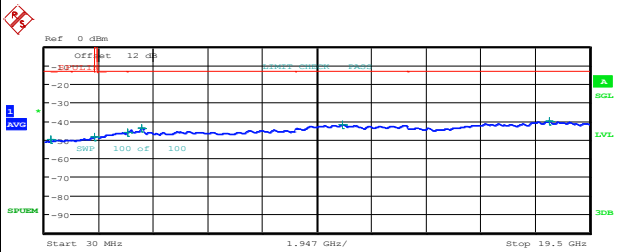
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	930.160000 M	-50.09	-37.09
1.000 G	1.840 G	1.00 M	1.837480 G	-48.66	-35.66
1.920 G	3.000 G	1.00 M	2.804520 G	-46.29	-33.29
3.000 G	9.000 G	1.00 M	3.510000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.676000 G	-42.18	-29.18
13.000 G	19.500 G	1.00 M	18.063500 G	-40.20	-27.20

Date: 12.JAN.2015 14:40:13

Highest Channel / 16QAM

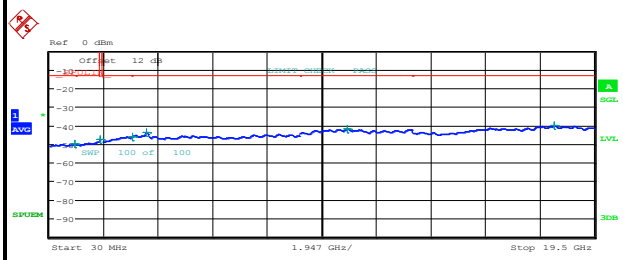


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	246.310000 M	-50.23	-37.23
1.000 G	1.840 G	1.00 M	1.822360 G	-48.62	-35.62
1.920 G	3.000 G	1.00 M	3.000000 G	-46.31	-33.31
3.000 G	9.000 G	1.00 M	3.504000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.680000 G	-42.12	-29.12
13.000 G	19.500 G	1.00 M	18.057000 G	-40.19	-27.19

Date: 12.JAN.2015 14:41:24

LTE Band 2 / 10MHz

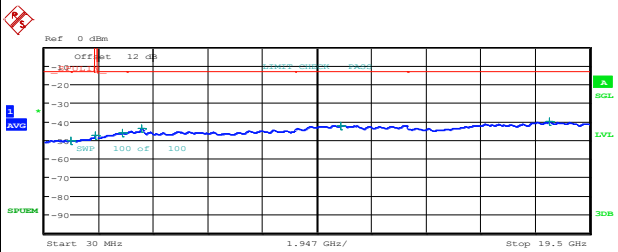
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	939.860000 M	-50.21	-37.21
1.000 G	1.840 G	1.00 M	1.834120 G	-47.45	-34.45
1.920 G	3.000 G	1.00 M	2.988120 G	-46.38	-33.38
3.000 G	9.000 G	1.00 M	3.498000 G	-44.01	-31.01
9.000 G	13.000 G	1.00 M	10.684000 G	-42.22	-29.22
13.000 G	19.500 G	1.00 M	18.050500 G	-40.14	-27.14

Date: 12.JAN.2015 14:50:21

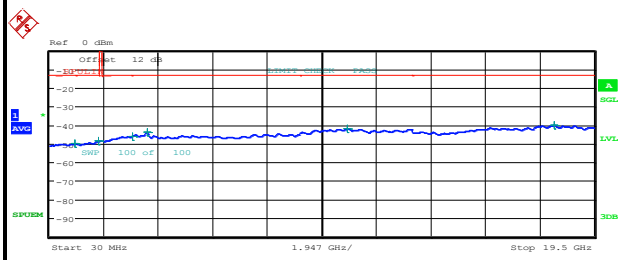
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	969.930000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.834120 G	-47.46	-34.46
1.920 G	3.000 G	1.00 M	2.815320 G	-46.22	-33.22
3.000 G	9.000 G	1.00 M	3.504000 G	-44.01	-31.01
9.000 G	13.000 G	1.00 M	10.616000 G	-42.26	-29.26
13.000 G	19.500 G	1.00 M	18.070000 G	-40.21	-27.21

LTE Band 2 / 10MHz

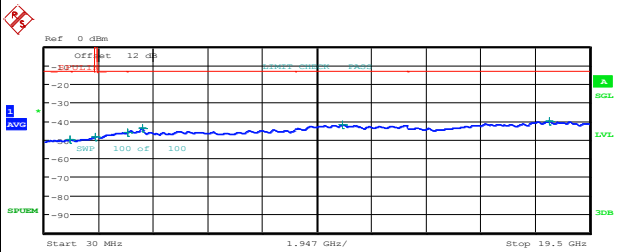
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	929.190000 M	-50.19	-37.19
1.000 G	1.840 G	1.00 M	1.792120 G	-48.61	-35.61
1.920 G	3.000 G	1.00 M	2.997840 G	-46.23	-33.23
3.000 G	9.000 G	1.00 M	3.516000 G	-44.05	-31.05
9.000 G	13.000 G	1.00 M	10.664000 G	-42.19	-29.19
13.000 G	19.500 G	1.00 M	18.057000 G	-40.16	-27.16

Date: 12.JAN.2015 14:53:29

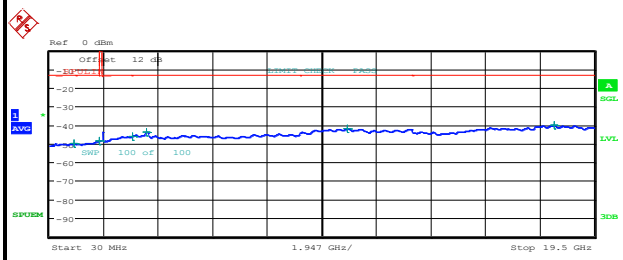
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	932.100000 M	-50.21	-37.21
1.000 G	1.840 G	1.00 M	1.829920 G	-48.60	-35.60
1.920 G	3.000 G	1.00 M	2.983800 G	-46.35	-33.35
3.000 G	9.000 G	1.00 M	3.516000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.664000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.063500 G	-40.21	-27.21

Date: 12.JAN.2015 14:54:39

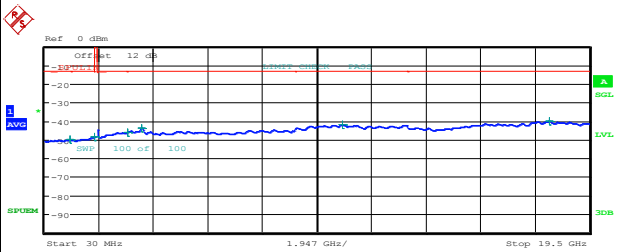
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	910.760000 M	-50.19	-37.19
1.000 G	1.840 G	1.00 M	1.820680 G	-48.62	-35.62
1.920 G	3.000 G	1.00 M	2.998920 G	-46.18	-33.18
3.000 G	9.000 G	1.00 M	3.498000 G	-44.06	-31.06
9.000 G	13.000 G	1.00 M	10.676000 G	-42.08	-29.08
13.000 G	19.500 G	1.00 M	18.057000 G	-40.18	-27.18

Date: 12.JAN.2015 15:01:15

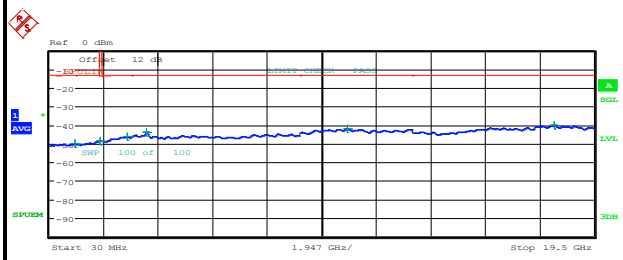
Highest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	921.430000 M	-50.19	-37.19
1.000 G	1.840 G	1.00 M	1.819840 G	-48.57	-35.57
1.920 G	3.000 G	1.00 M	2.992440 G	-46.25	-33.25
3.000 G	9.000 G	1.00 M	3.504000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.672000 G	-42.22	-29.22
13.000 G	19.500 G	1.00 M	18.050500 G	-40.21	-27.21

LTE Band 2 / 15MHz

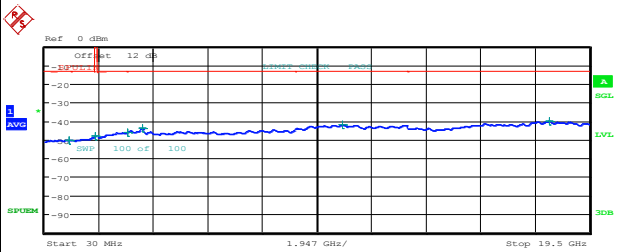
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	932.100000 M	-50.16	-37.16
1.000 G	1.840 G	1.00 M	1.824880 G	-48.44	-35.44
1.920 G	3.000 G	1.00 M	2.804520 G	-46.36	-33.36
3.000 G	9.000 G	1.00 M	3.498000 G	-44.09	-31.09
9.000 G	13.000 G	1.00 M	10.676000 G	-42.13	-29.13
13.000 G	19.500 G	1.00 M	18.063500 G	-40.20	-27.20

Date: 12.JAN.2015 15:11:05

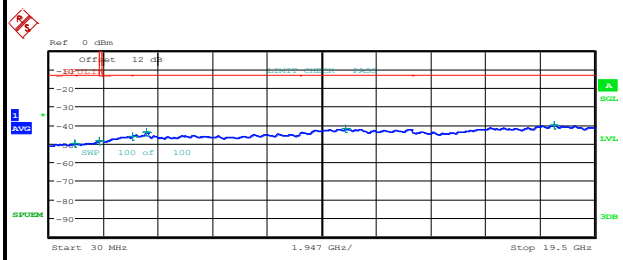
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	893.300000 M	-50.26	-37.26
1.000 G	1.840 G	1.00 M	1.824880 G	-48.07	-35.07
1.920 G	3.000 G	1.00 M	3.000000 G	-46.33	-33.33
3.000 G	9.000 G	1.00 M	3.510000 G	-44.04	-31.04
9.000 G	13.000 G	1.00 M	10.672000 G	-42.21	-29.21
13.000 G	19.500 G	1.00 M	18.057000 G	-40.16	-27.16

Date: 12.JAN.2015 15:12:16

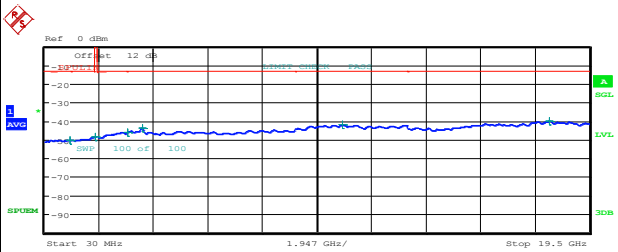
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	933.070000 M	-50.21	-37.21
1.000 G	1.840 G	1.00 M	1.820680 G	-48.67	-35.67
1.920 G	3.000 G	1.00 M	2.994600 G	-46.23	-33.23
3.000 G	9.000 G	1.00 M	3.504000 G	-44.01	-31.01
9.000 G	13.000 G	1.00 M	10.620000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.057000 G	-40.13	-27.13

Date: 12.JAN.2015 15:14:13

Middle Channel / 16QAM

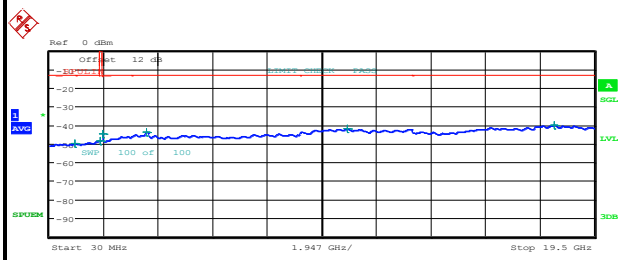


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	929.190000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.837480 G	-48.64	-35.64
1.920 G	3.000 G	1.00 M	2.998920 G	-46.28	-33.28
3.000 G	9.000 G	1.00 M	3.510000 G	-44.02	-31.02
9.000 G	13.000 G	1.00 M	10.668000 G	-42.13	-29.13
13.000 G	19.500 G	1.00 M	18.050500 G	-40.15	-27.15

Date: 12.JAN.2015 15:15:23

LTE Band 2 / 15MHz

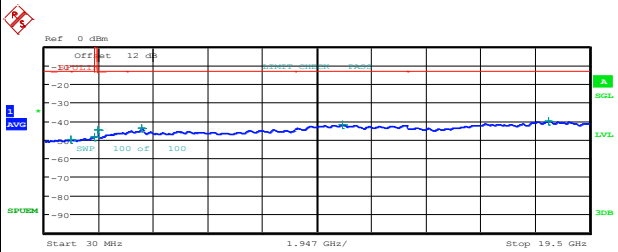
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	922.400000 M	-50.03	-37.03
1.000 G	1.840 G	1.00 M	1.824880 G	-48.66	-35.66
1.920 G	3.000 G	1.00 M	1.922160 G	-44.62	-31.62
3.000 G	9.000 G	1.00 M	3.498000 G	-44.04	-31.04
9.000 G	13.000 G	1.00 M	10.668000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.050500 G	-40.08	-27.08

Date: 12.JAN.2015 15:22:00

Highest Channel / 16QAM

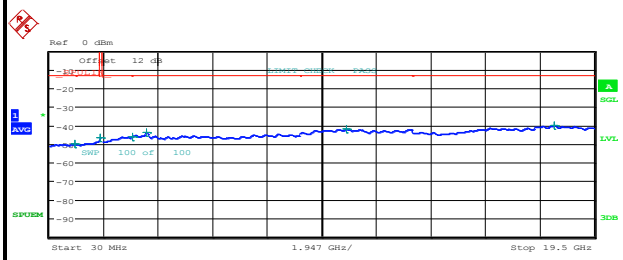


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	953.440000 M	-50.17	-37.17
1.000 G	1.840 G	1.00 M	1.820680 G	-48.64	-35.64
1.920 G	3.000 G	1.00 M	1.922160 G	-44.87	-31.87
3.000 G	9.000 G	1.00 M	3.504000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.656000 G	-42.20	-29.20
13.000 G	19.500 G	1.00 M	18.037500 G	-40.20	-27.20

Date: 12.JAN.2015 15:23:12

LTE Band 2 / 20MHz

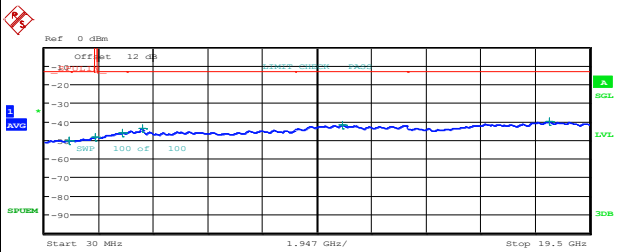
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	937.920000 M	-50.23	-37.23
1.000 G	1.840 G	1.00 M	1.834120 G	-46.74	-33.74
1.920 G	3.000 G	1.00 M	2.998920 G	-46.33	-33.33
3.000 G	9.000 G	1.00 M	3.498000 G	-43.97	-30.97
9.000 G	13.000 G	1.00 M	10.648000 G	-42.23	-29.23
13.000 G	19.500 G	1.00 M	18.050500 G	-40.14	-27.14

Date: 12.JAN.2015 15:29:53

Lowest Channel / 16QAM

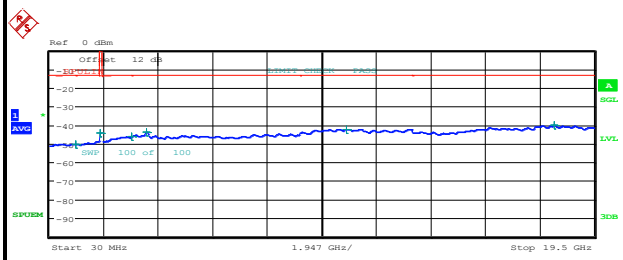


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	905.910000 M	-50.27	-37.27
1.000 G	1.840 G	1.00 M	1.834120 G	-48.42	-35.42
1.920 G	3.000 G	1.00 M	2.798040 G	-46.25	-33.25
3.000 G	9.000 G	1.00 M	3.510000 G	-44.04	-31.04
9.000 G	13.000 G	1.00 M	10.676000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.070000 G	-40.20	-27.20

Date: 12.JAN.2015 15:31:02

LTE Band 2 / 20MHz

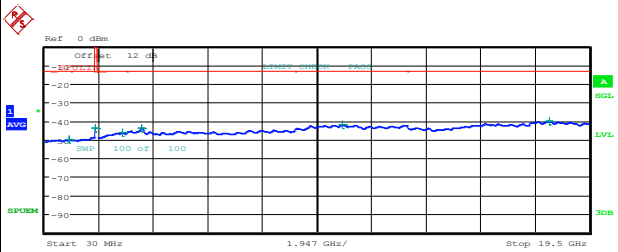
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	954.410000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.835800 G	-44.35	-31.35
1.920 G	3.000 G	1.00 M	2.976240 G	-46.30	-33.30
3.000 G	9.000 G	1.00 M	3.498000 G	-44.01	-31.01
9.000 G	13.000 G	1.00 M	10.640000 G	-42.28	-29.28
13.000 G	19.500 G	1.00 M	18.063500 G	-40.15	-27.15

Date: 12.JAN.2015 15:32:59

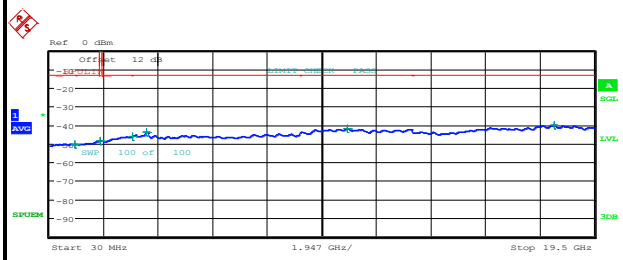
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	900.090000 M	-50.14	-37.14
1.000 G	1.840 G	1.00 M	1.835800 G	-43.87	-30.87
1.920 G	3.000 G	1.00 M	2.799120 G	-46.27	-33.27
3.000 G	9.000 G	1.00 M	3.492000 G	-44.08	-31.08
9.000 G	13.000 G	1.00 M	10.676000 G	-42.24	-29.24
13.000 G	19.500 G	1.00 M	18.050500 G	-40.16	-27.16

Date: 12.JAN.2015 15:34:09

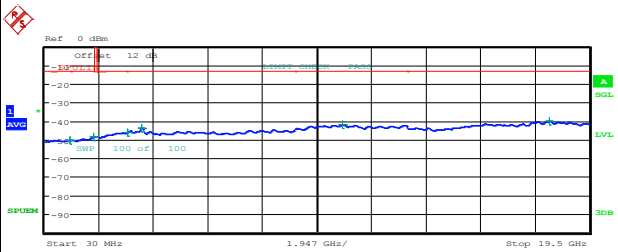
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	926.280000 M	-50.29	-37.29
1.000 G	1.840 G	1.00 M	1.839160 G	-48.68	-35.68
1.920 G	3.000 G	1.00 M	2.992440 G	-46.34	-33.34
3.000 G	9.000 G	1.00 M	3.498000 G	-44.05	-31.05
9.000 G	13.000 G	1.00 M	10.668000 G	-42.19	-29.19
13.000 G	19.500 G	1.00 M	18.063500 G	-40.12	-27.12

Date: 12.JAN.2015 15:40:45

Highest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	934.040000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.775320 G	-48.70	-35.70
1.920 G	3.000 G	1.00 M	2.987040 G	-46.42	-33.42
3.000 G	9.000 G	1.00 M	3.492000 G	-44.02	-31.02
9.000 G	13.000 G	1.00 M	10.664000 G	-42.20	-29.20
13.000 G	19.500 G	1.00 M	18.057000 G	-40.21	-27.21

Date: 12.JAN.2015 16:31:28

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	0.0006	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.1 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

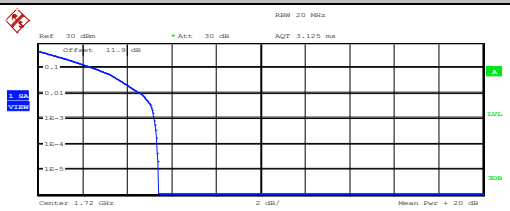
LTE Band 4

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	5.19	5.45	6.12	6.28	PASS
Middle CH	4.49	5.58	5.64	6.19	
Highest CH	4.58	5.77	5.74	6.41	

LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB

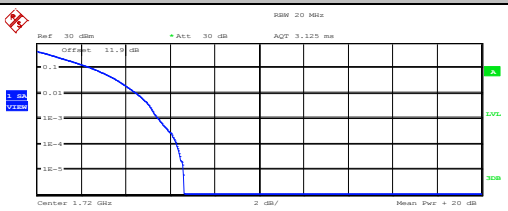


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.70 dBm
Peak	27.10 dBm
Crest	5.40 dB
10 %	2.50 dB
1 %	4.58 dB
.1 %	5.19 dB
.01 %	5.35 dB

Date: 13.JAN.2015 22:45:58

Lowest Channel / Full RB

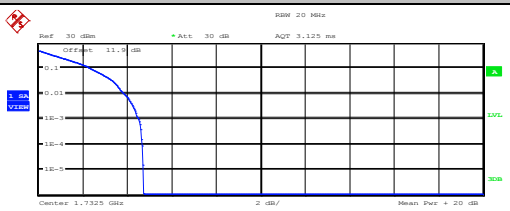


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.77 dBm
Peak	27.38 dBm
Crest	6.61 dB
10 %	2.47 dB
1 %	4.46 dB
.1 %	5.45 dB
.01 %	6.28 dB

Date: 13.JAN.2015 22:46:09

Middle Channel / 1RB

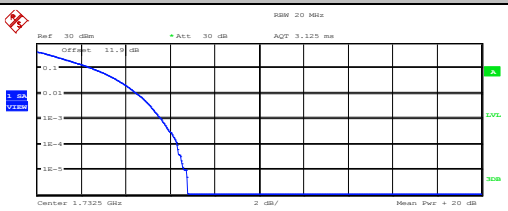


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.64 dBm
Peak	26.35 dBm
Crest	4.71 dB
10 %	2.34 dB
1 %	3.85 dB
.1 %	4.49 dB
.01 %	4.68 dB

Date: 13.JAN.2015 22:46:22

Middle Channel / Full RB

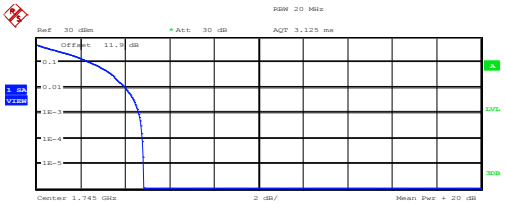


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.76 dBm
Peak	27.55 dBm
Crest	6.79 dB
10 %	2.47 dB
1 %	4.49 dB
.1 %	5.58 dB
.01 %	6.31 dB

Date: 13.JAN.2015 22:46:35

Highest Channel / 1RB

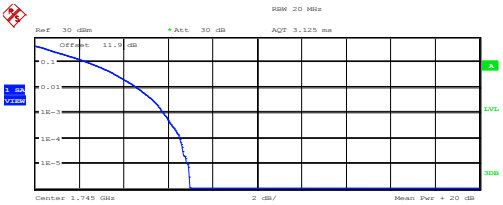


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.66 dBm
Peak	26.47 dBm
Crest	4.81 dB
10 %	2.40 dB
1 %	3.97 dB
.1 %	4.58 dB
.01 %	4.78 dB

Date: 13.JAN.2015 22:46:47

Highest Channel / Full RB



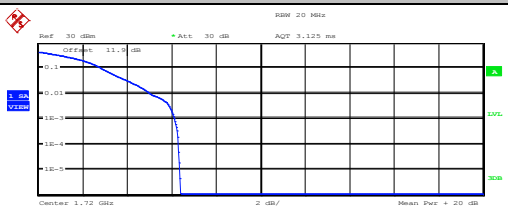
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.70 dBm
Peak	27.67 dBm
Crest	6.96 dB
10 %	2.40 dB
1 %	4.58 dB
.1 %	5.77 dB
.01 %	6.54 dB

Date: 13.JAN.2015 22:47:00

LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.79 dBm
Peak	27.17 dBm
Crest	6.38 dB
10 %	2.82 dB
1 %	5.00 dB
.1 %	6.12 dB
.01 %	6.31 dB

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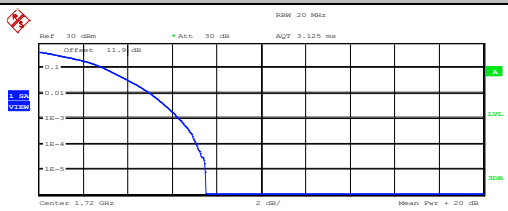
Lowest Channel / Full RB

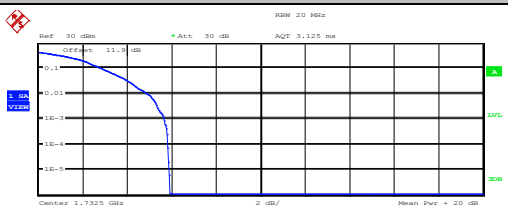


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.73 dBm
Peak	27.24 dBm
Crest	7.51 dB
10 %	2.92 dB
1 %	5.00 dB
.1 %	6.28 dB
.01 %	7.08 dB

Date: 13.JAN.2015 22:43:17

Middle Channel / 1RB

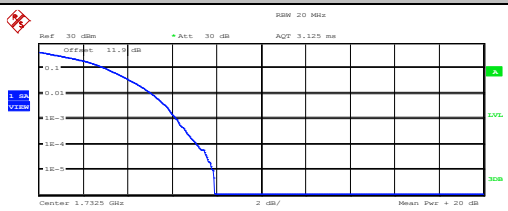


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.01 dBm
Peak	26.91 dBm
Crest	5.90 dB
10 %	2.82 dB
1 %	4.87 dB
.1 %	5.64 dB
.01 %	5.83 dB

Date: 13.JAN.2015 22:43:30

Middle Channel / Full RB

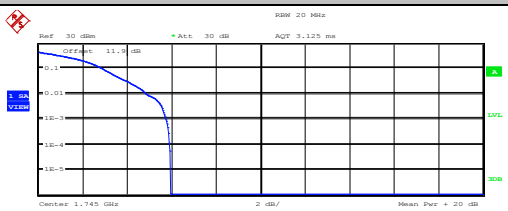


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.71 dBm
Peak	27.62 dBm
Crest	7.90 dB
10 %	2.98 dB
1 %	5.03 dB
.1 %	6.19 dB
.01 %	7.08 dB

Date: 13.JAN.2015 22:43:43

Highest Channel / 1RB

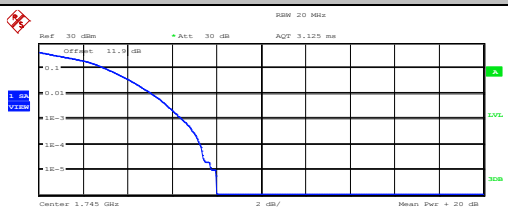


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.66 dBm
Peak	26.61 dBm
Crest	5.95 dB
10 %	2.85 dB
1 %	4.84 dB
.1 %	5.74 dB
.01 %	5.90 dB

Date: 13.JAN.2015 22:43:55

Highest Channel / Full RB



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.66 dBm
Peak	27.67 dBm
Crest	8.01 dB
10 %	2.98 dB
1 %	5.06 dB
.1 %	6.41 dB
.01 %	7.24 dB

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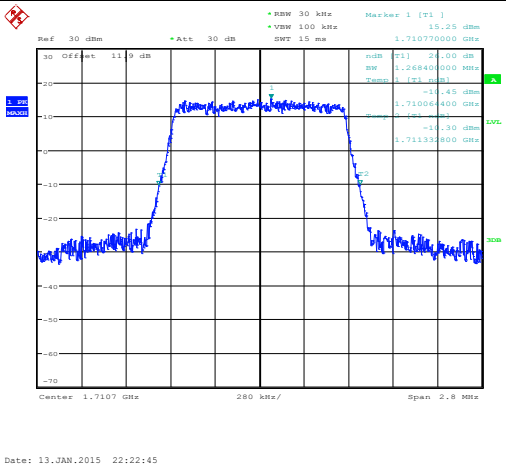
26dB Bandwidth

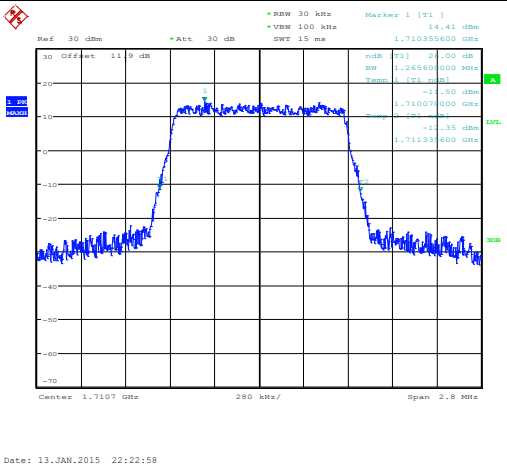
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.27	2.99	3	4.95	4.97	10.06	10	14.73	14.7	21.04	20.88
Middle CH	1.27	1.27	3.02	3.02	5	5.05	10.18	10.06	14.76	14.73	21.12	21.04
Highest CH	1.27	1.27	3.01	3.02	5	4.99	10.06	10.04	14.88	14.85	21.12	21.08

LTE Band 4

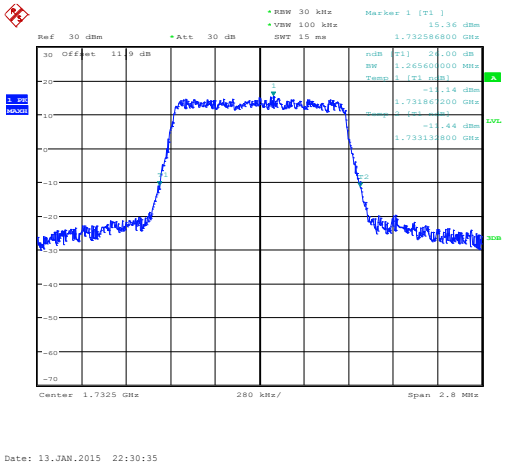
Lowest Channel / 1.4MHz / QPSK



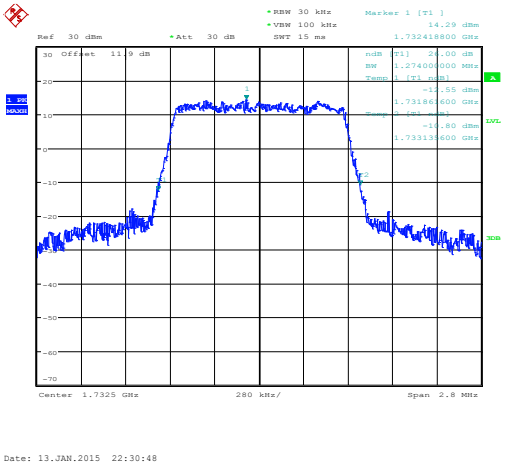
Lowest Channel / 1.4MHz / 16QAM



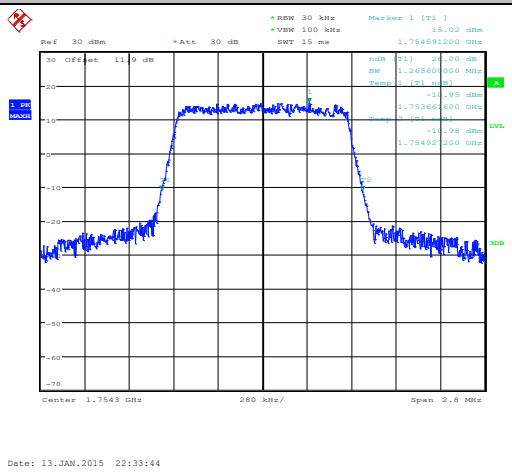
Middle Channel / 1.4MHz / QPSK



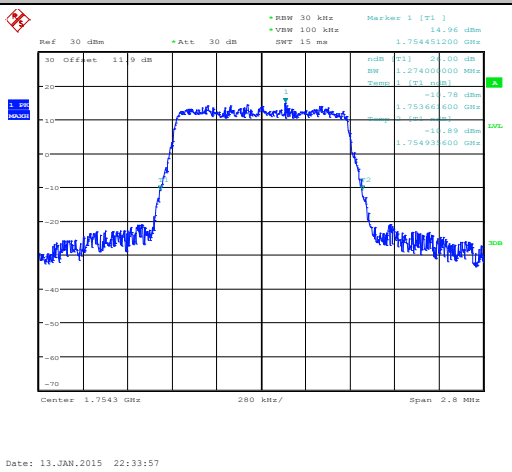
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

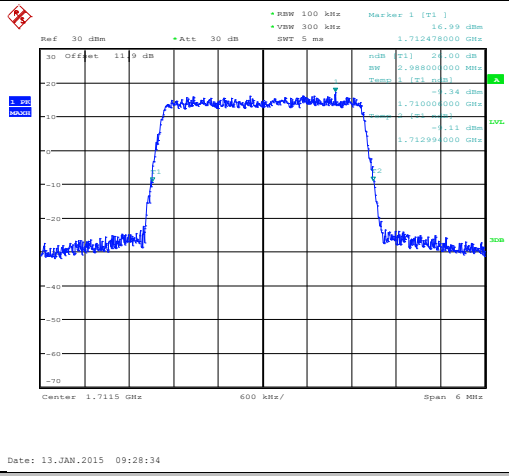


Highest Channel / 1.4MHz / 16QAM

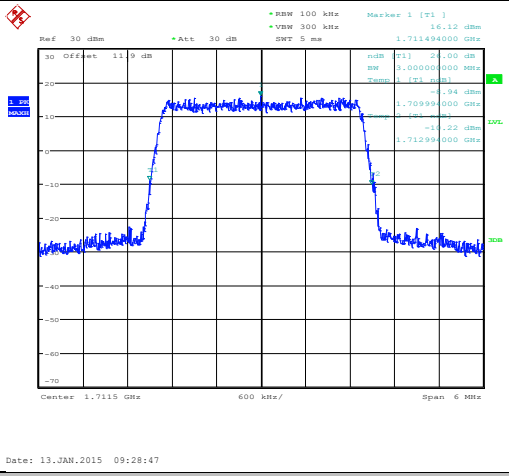


LTE Band 4

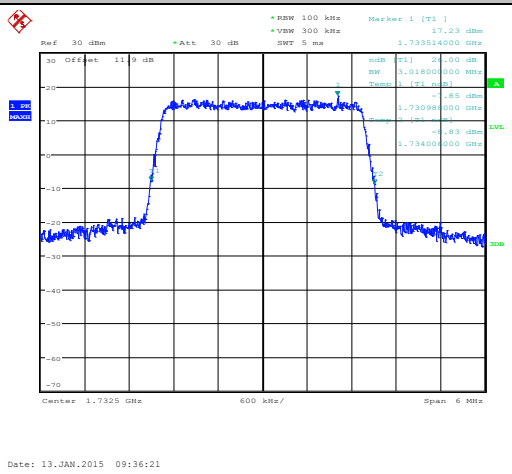
Lowest Channel / 3MHz / QPSK



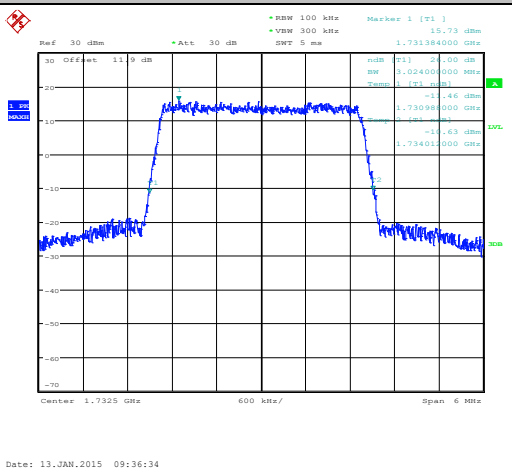
Lowest Channel / 3MHz / 16QAM



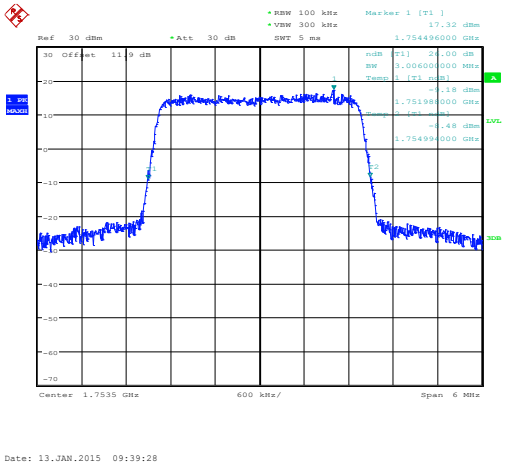
Middle Channel / 3MHz / QPSK



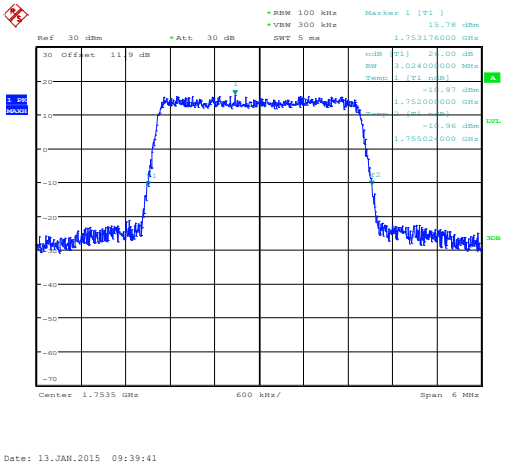
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

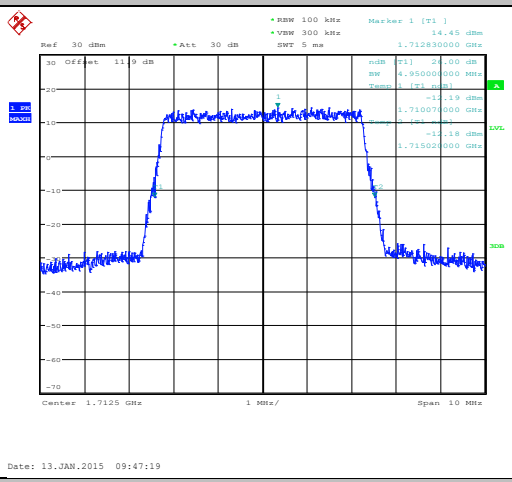


Highest Channel /3MHz / 16QAM

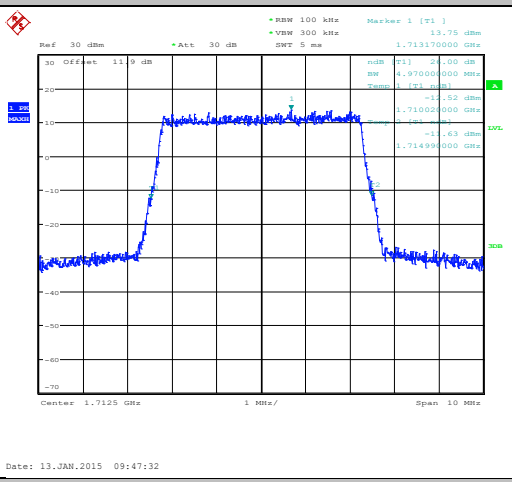


LTE Band 4

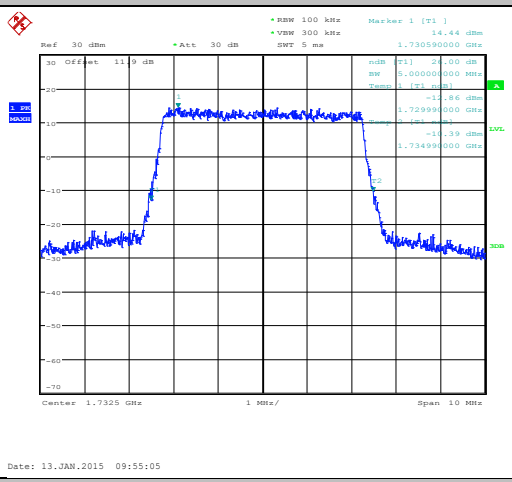
Lowest Channel / 5MHz / QPSK



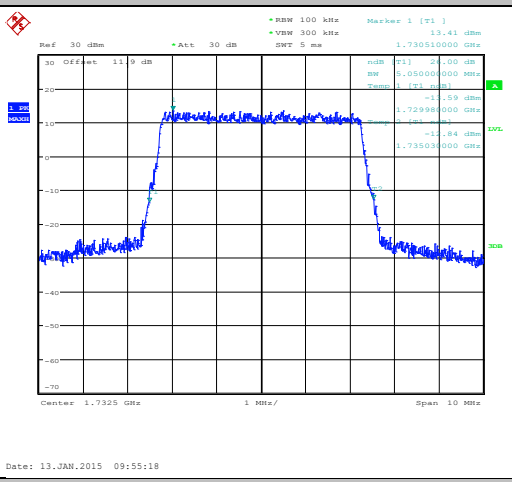
Lowest Channel / 5MHz / 16QAM



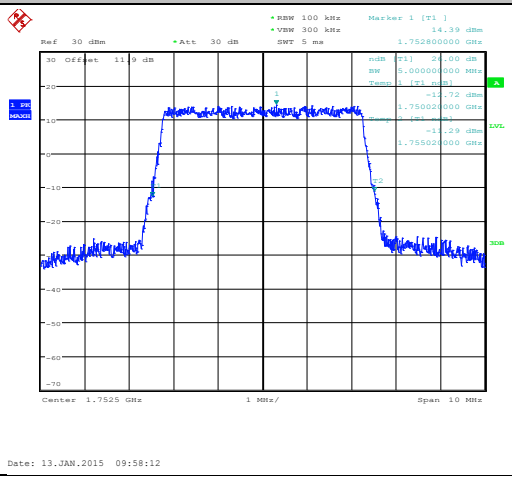
Middle Channel / 5MHz / QPSK



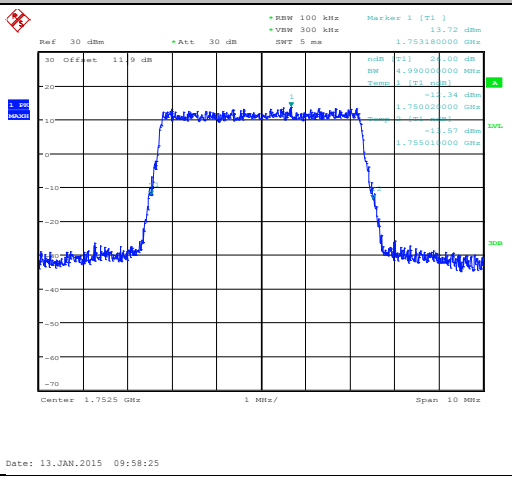
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

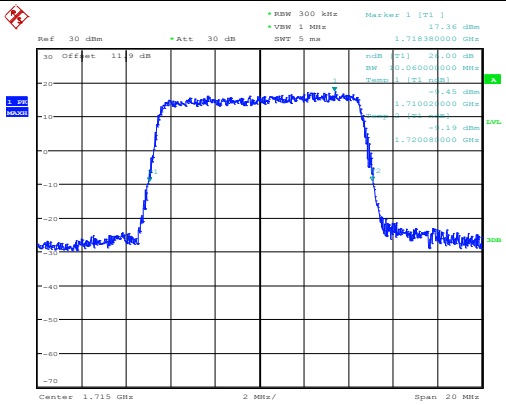


Highest Channel / 5MHz / 16QAM



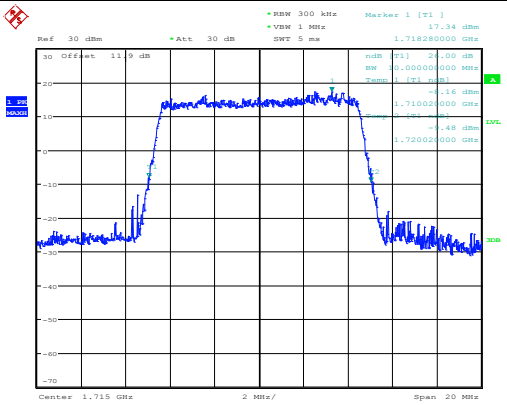
LTE Band 4

Lowest Channel / 10MHz / QPSK



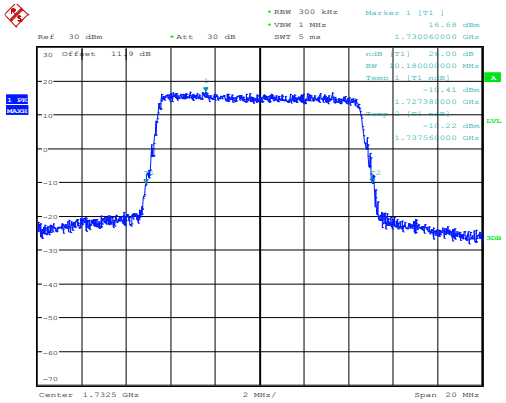
Date: 13.JAN.2015 10:06:03

Lowest Channel / 10MHz / 16QAM



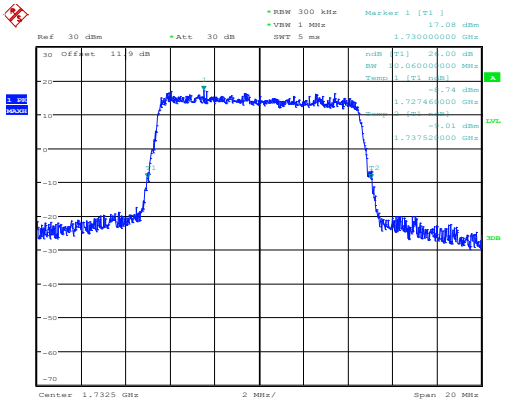
Date: 13.JAN.2015 10:06:16

Middle Channel / 10MHz / QPSK



Date: 13.JAN.2015 10:13:50

Middle Channel / 10MHz / 16QAM



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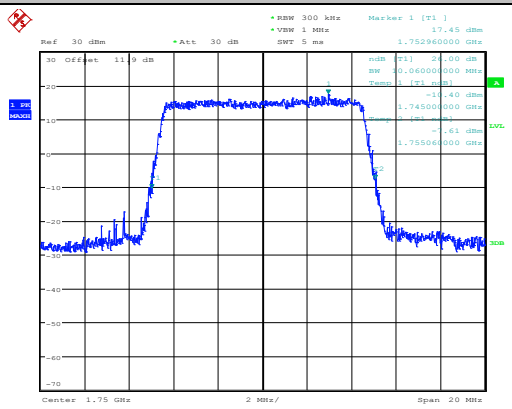
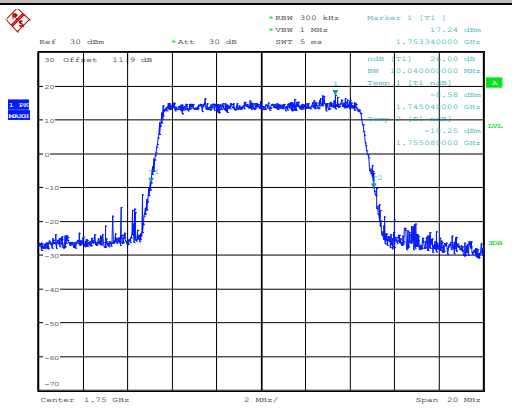
Highest Channel / 10MHz / QPSK



Date: 13.JAN.2015 10:16:57

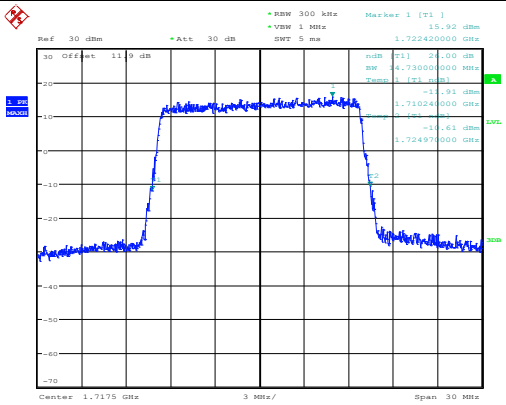
Highest Channel / 10MHz / 16QAM



Date: 13.JAN.2015 10:17:10

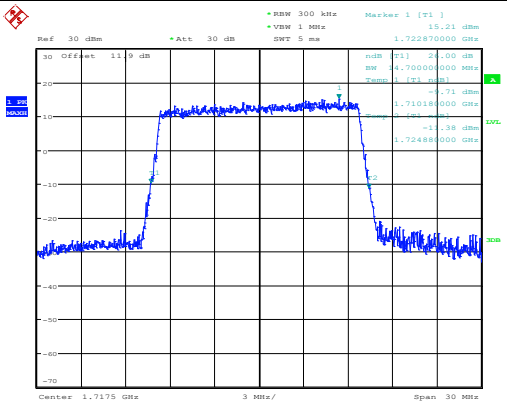
LTE Band 4

Lowest Channel / 15MHz / QPSK



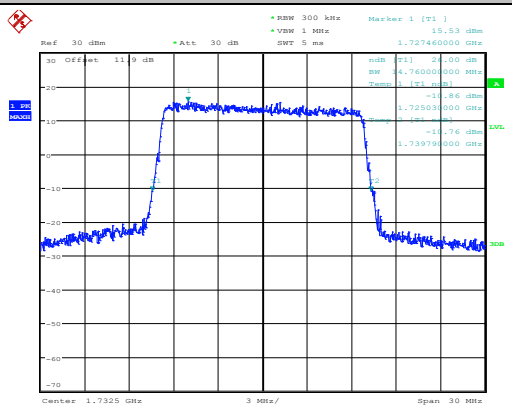
Date: 13.JAN.2015 10:25:04

Lowest Channel / 15MHz / 16QAM



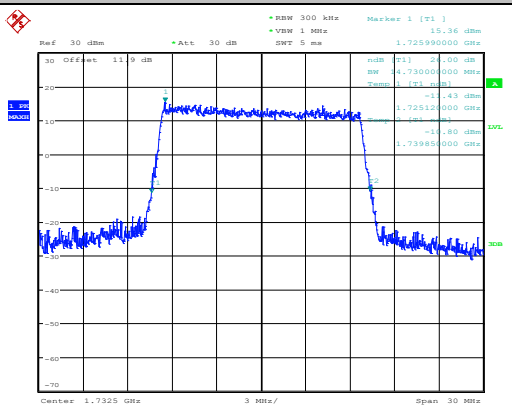
Date: 13.JAN.2015 10:25:17

Middle Channel / 15MHz / QPSK



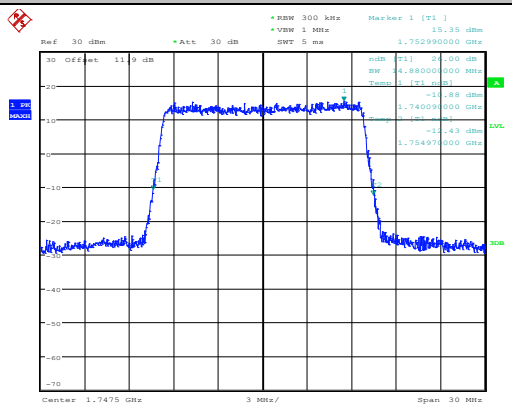
Date: 13.JAN.2015 10:32:51

Middle Channel / 15MHz / 16QAM



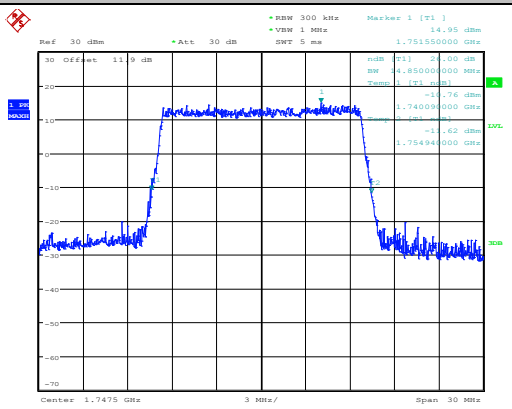
Date: 13.JAN.2015 10:33:04

Highest Channel / 15MHz / QPSK



Date: 13.JAN.2015 10:36:00

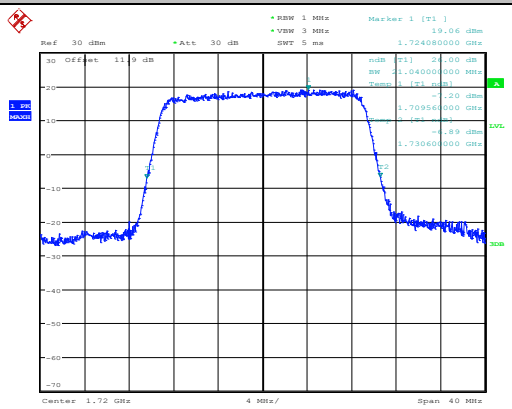
Highest Channel / 15MHz / 16QAM



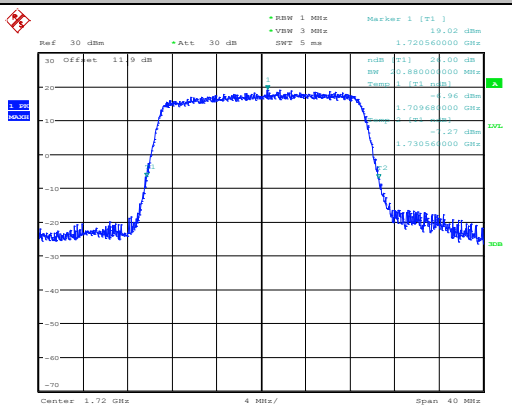
Date: 13.JAN.2015 10:36:13

LTE Band 4

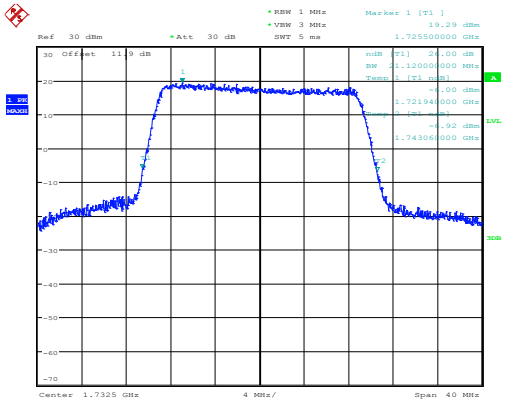
Lowest Channel / 20MHz / QPSK



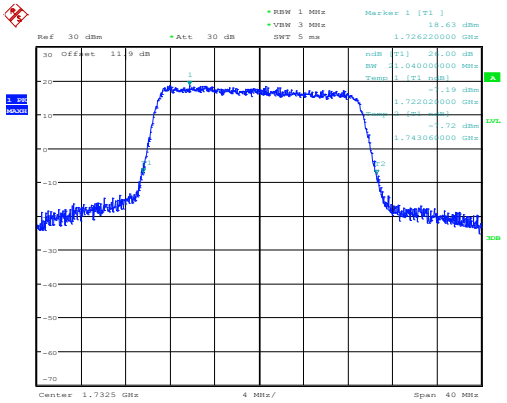
Lowest Channel / 20MHz / 16QAM



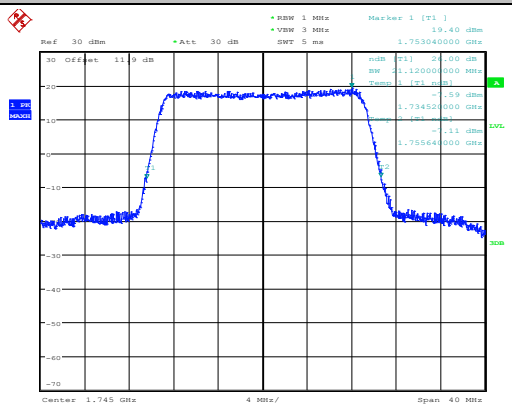
Middle Channel / 20MHz / QPSK



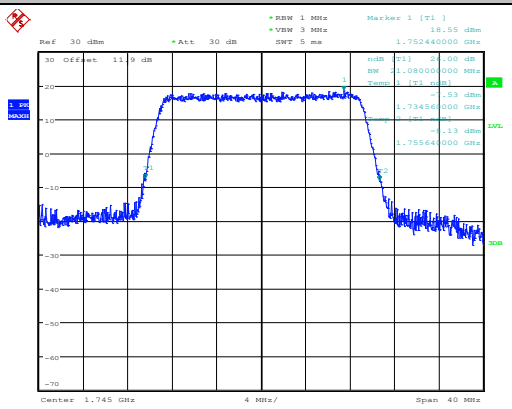
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

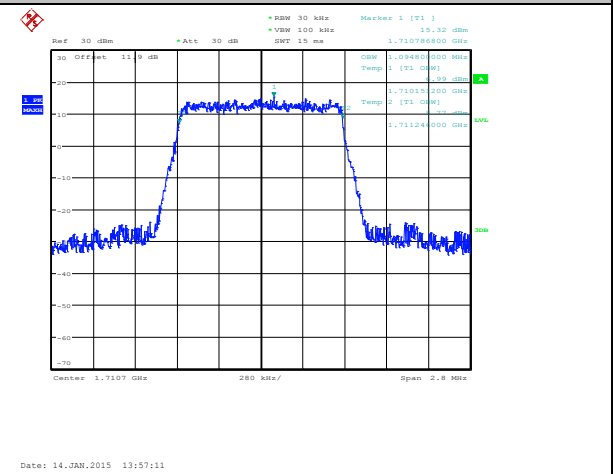


Occupied Bandwidth

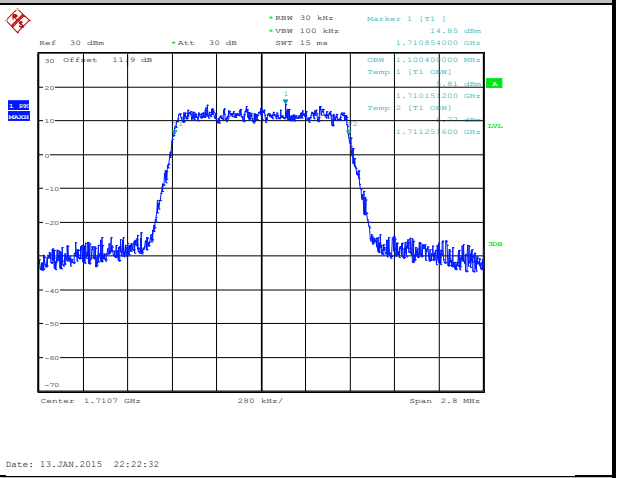
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.72	4.51	4.51	9.08	9.04	13.47	13.47	18.44	18.44
Middle CH	1.09	1.1	2.72	2.72	4.51	4.5	9.06	9.04	13.5	13.53	18.56	18.56
Highest CH	1.09	1.1	2.72	2.72	4.52	4.51	9.08	9.04	13.5	13.5	18.6	18.64

LTE Band 4

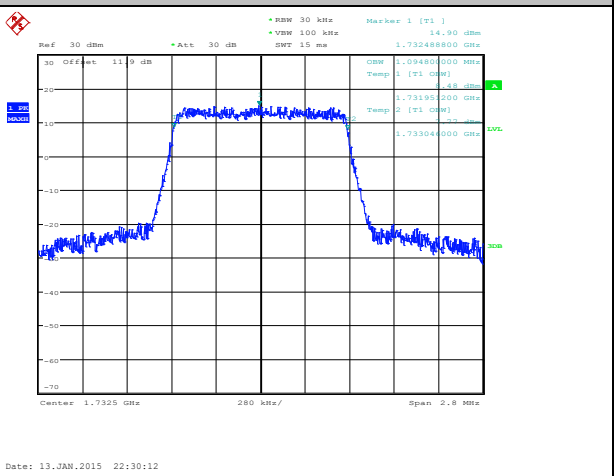
Lowest Channel / 1.4MHz / QPSK



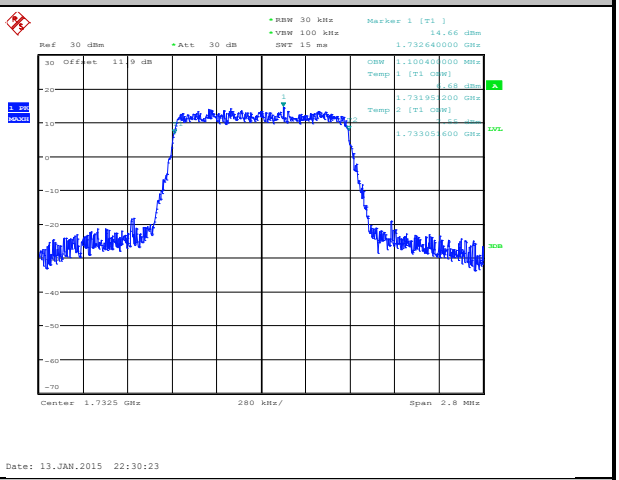
Lowest Channel / 1.4MHz / 16QAM



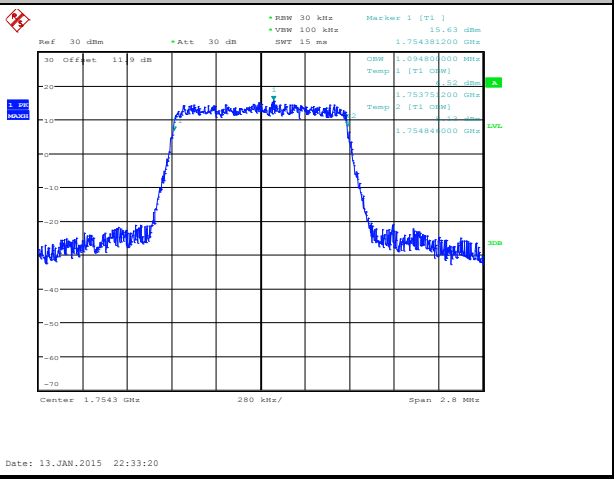
Middle Channel / 1.4MHz / QPSK



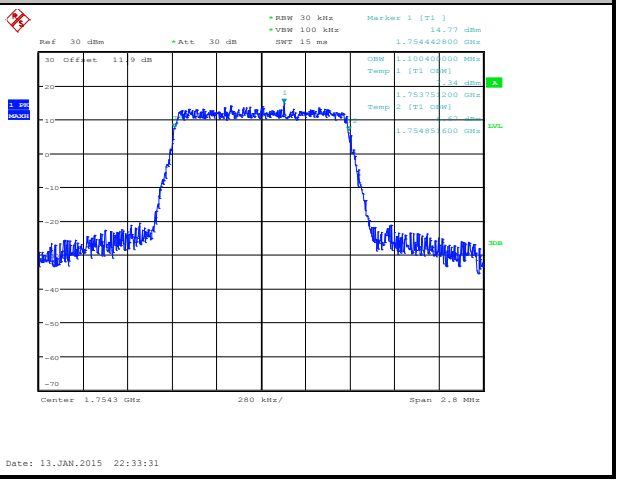
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

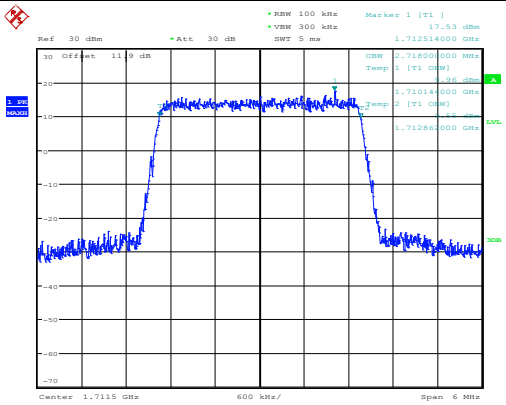


Highest Channel / 1.4MHz / 16QAM



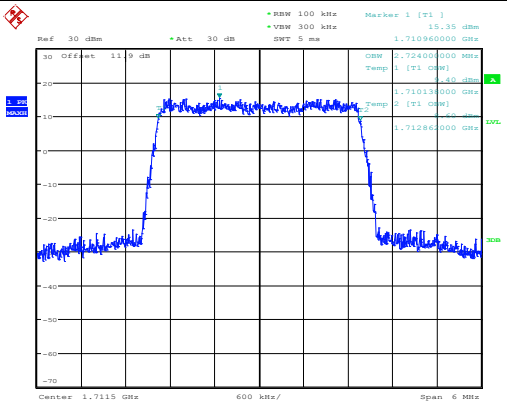
LTE Band 4

Lowest Channel / 3MHz / QPSK



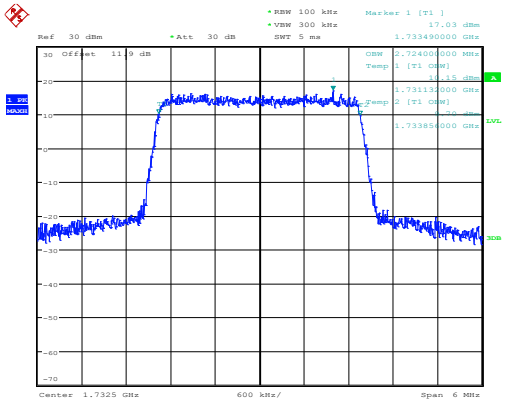
Date: 13.JAN.2015 09:26:17

Lowest Channel / 3MHz / 16QAM



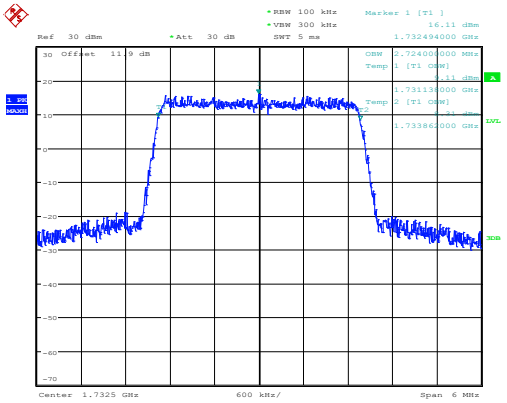
Date: 13.JAN.2015 09:26:28

Middle Channel / 3MHz / QPSK



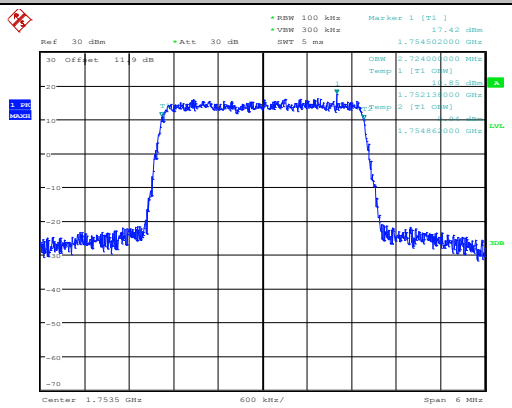
Date: 13.JAN.2015 09:35:58

Middle Channel / 3MHz / 16QAM



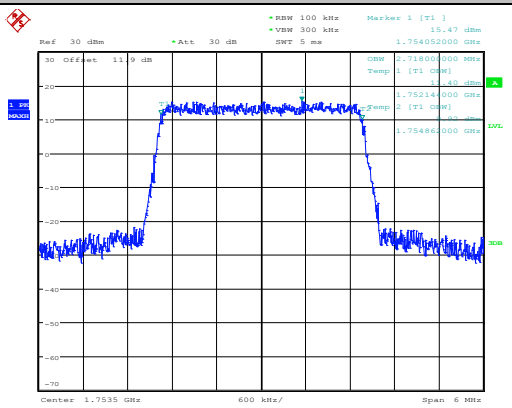
Date: 13.JAN.2015 09:36:08

Highest Channel / 3MHz / QPSK



Date: 13.JAN.2015 09:39:05

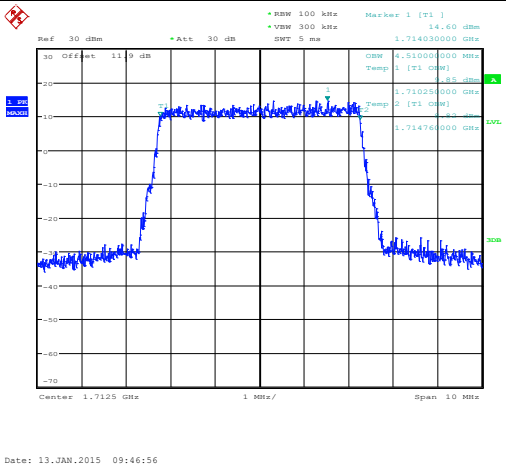
Highest Channel / 3MHz / 16QAM



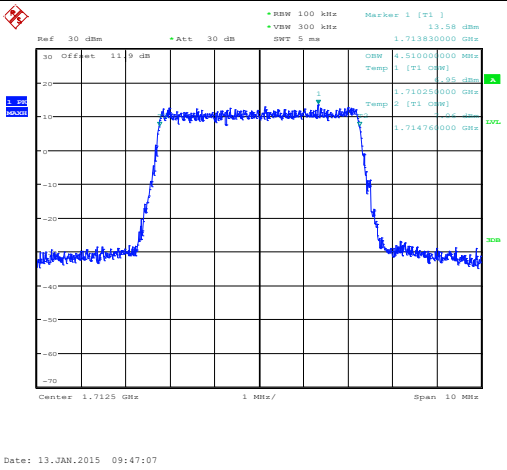
Date: 13.JAN.2015 09:39:15

LTE Band 4

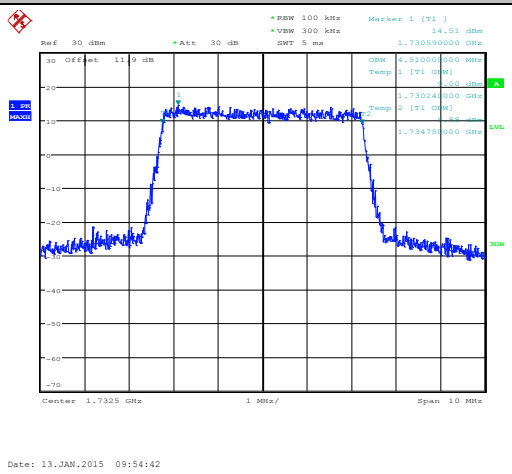
Lowest Channel / 5MHz / QPSK



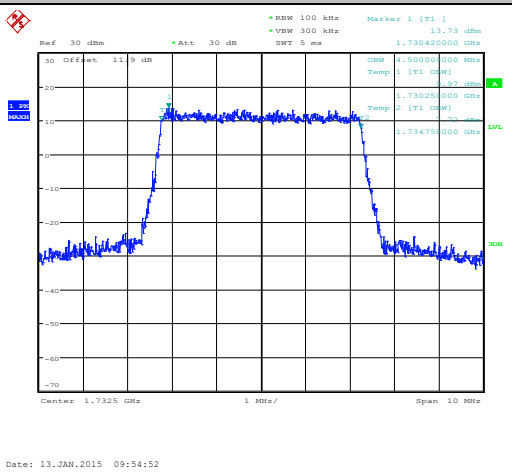
Lowest Channel / 5MHz / 16QAM



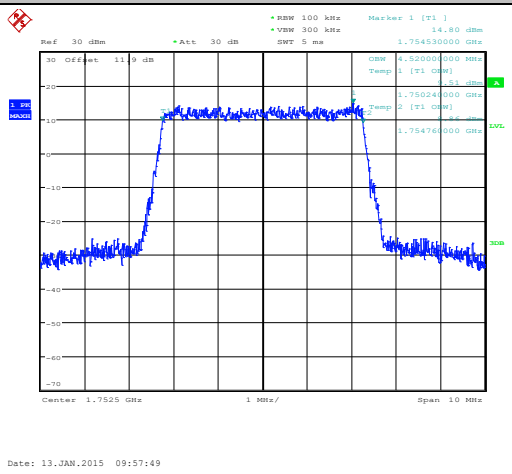
Middle Channel / 5MHz / QPSK



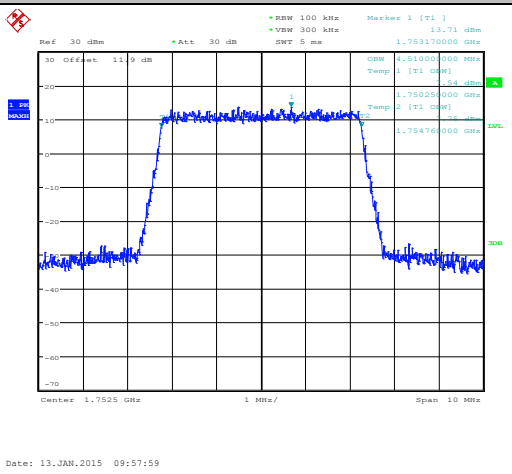
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

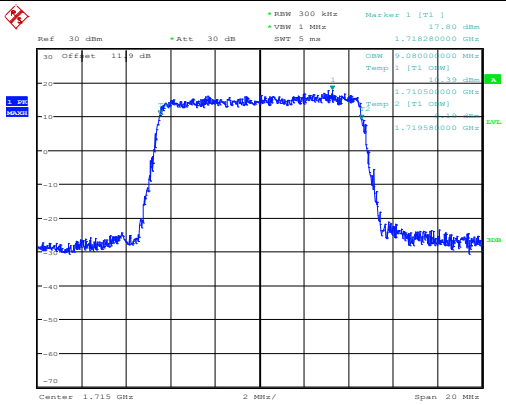


Highest Channel / 5MHz / 16QAM



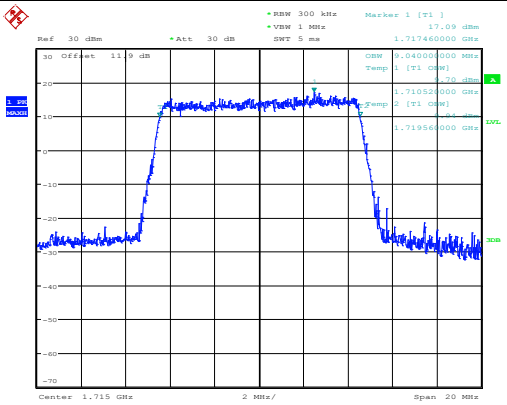
LTE Band 4

Lowest Channel / 10MHz / QPSK



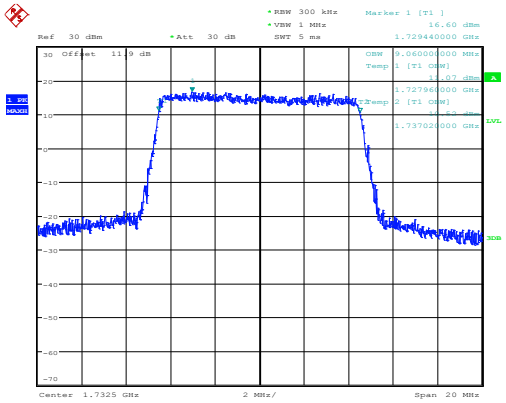
Date: 13.JAN.2015 10:05:39

Lowest Channel / 10MHz / 16QAM



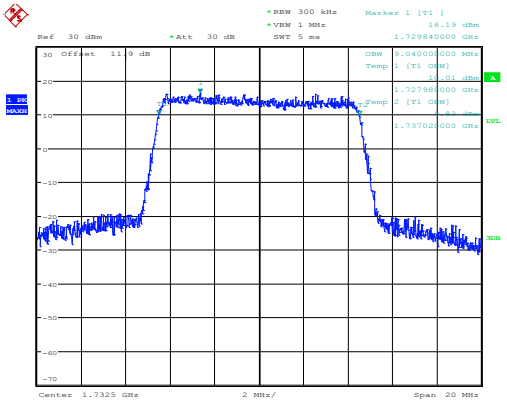
Date: 13.JAN.2015 10:05:50

Middle Channel / 10MHz / QPSK



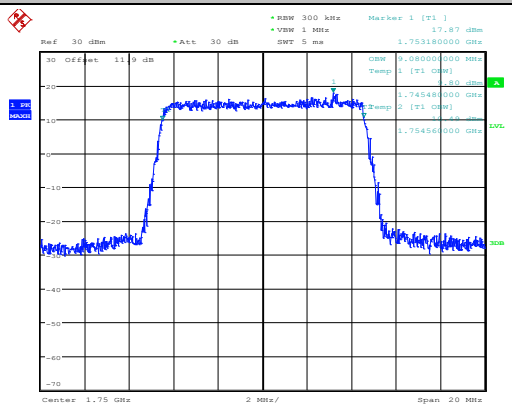
Date: 13.JAN.2015 10:13:27

Middle Channel / 10MHz / 16QAM



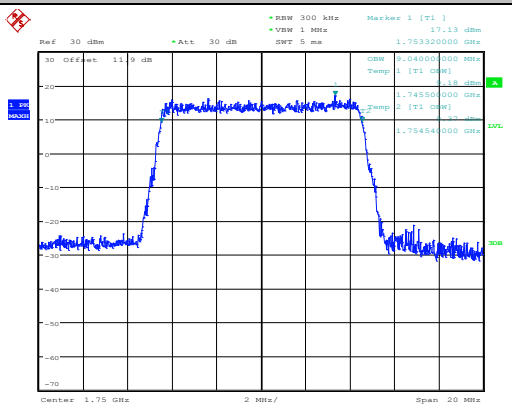
Date: 13.JAN.2015 10:13:37

Highest Channel / 10MHz / QPSK



Date: 13.JAN.2015 10:16:34

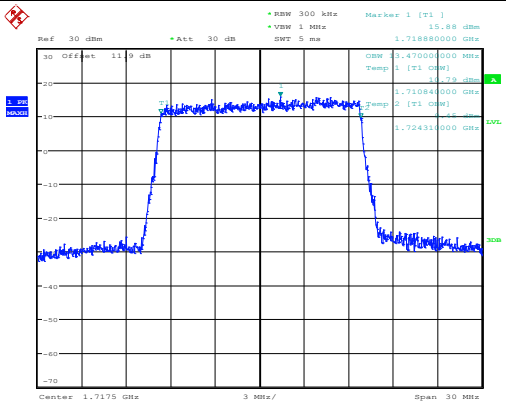
Highest Channel / 10MHz / 16QAM



Date: 13.JAN.2015 10:16:45

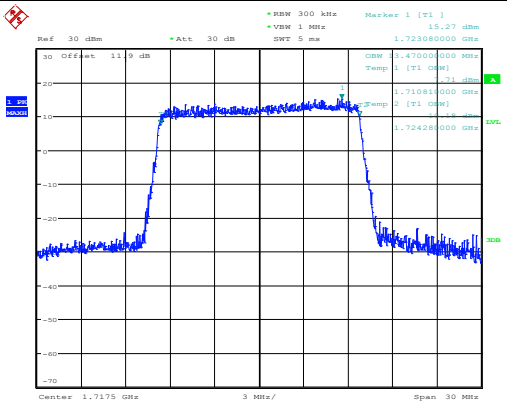
LTE Band 4

Lowest Channel / 15MHz / QPSK



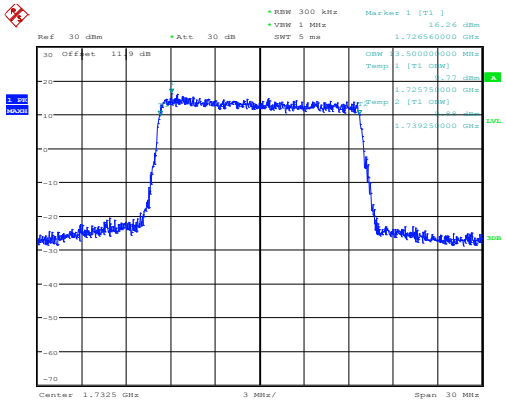
Date: 13.JAN.2015 10:24:40

Lowest Channel / 15MHz / 16QAM



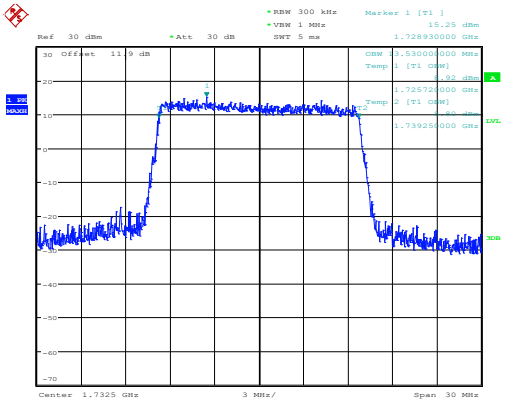
Date: 13.JAN.2015 10:24:51

Middle Channel / 15MHz / QPSK



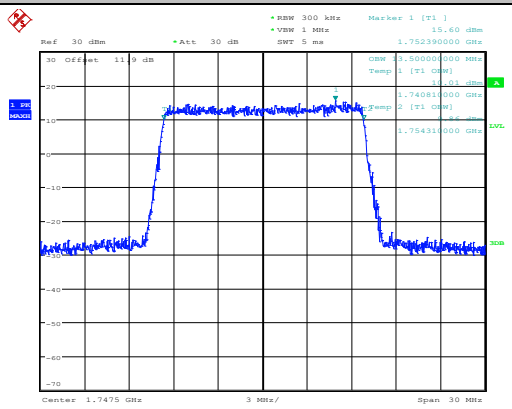
Date: 13.JAN.2015 10:32:28

Middle Channel / 15MHz / 16QAM



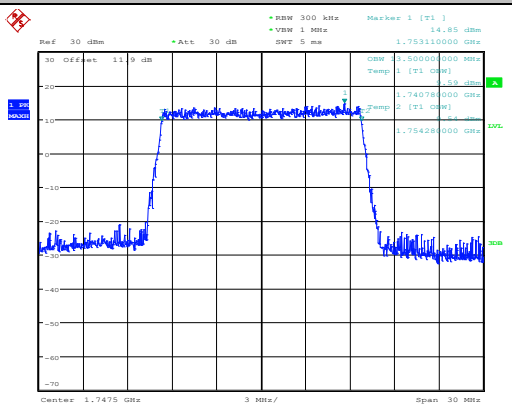
Date: 13.JAN.2015 10:32:38

Highest Channel / 15MHz / QPSK



Date: 13.JAN.2015 10:35:36

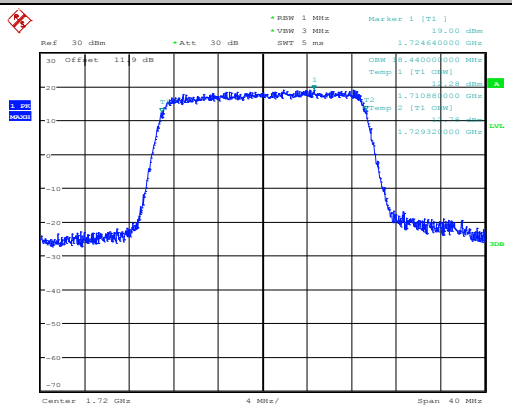
Highest Channel / 15MHz / 16QAM



Date: 13.JAN.2015 10:35:47

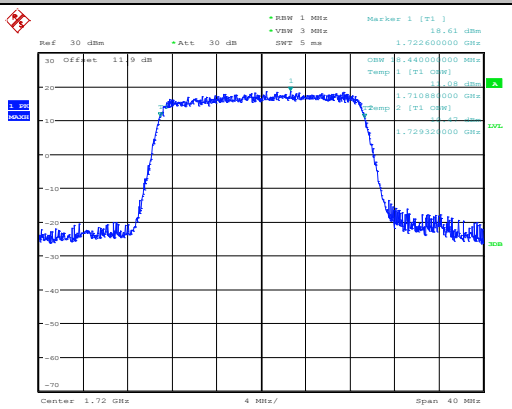
LTE Band 4

Lowest Channel / 20MHz / QPSK



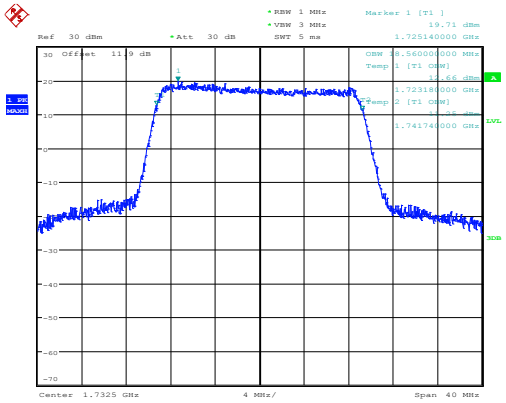
Date: 13.JAN.2015 10:51:38

Lowest Channel / 20MHz / 16QAM



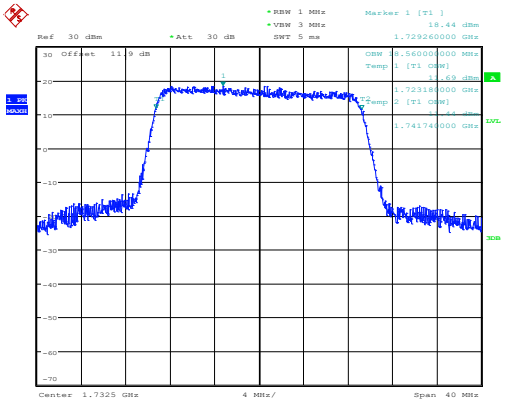
Date: 13.JAN.2015 10:51:49

Middle Channel / 20MHz / QPSK



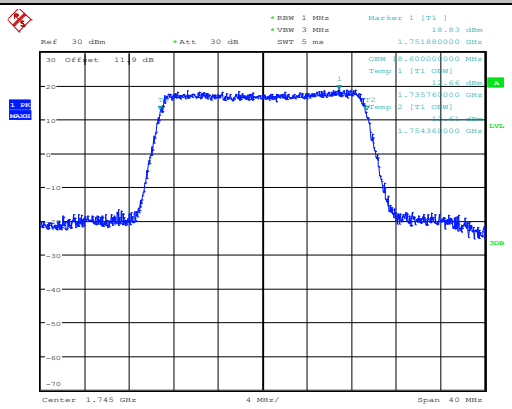
Date: 13.JAN.2015 10:59:24

Middle Channel / 20MHz / 16QAM



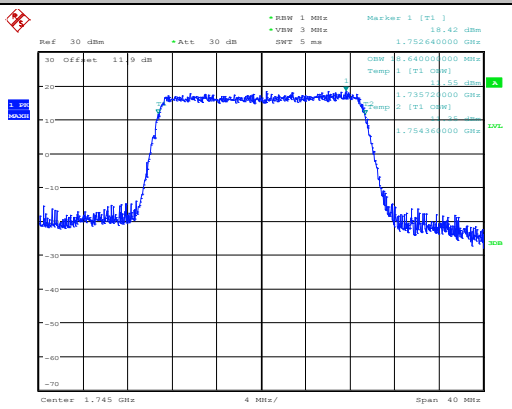
Date: 13.JAN.2015 10:59:34

Highest Channel / 20MHz / QPSK



Date: 13.JAN.2015 11:02:31

Highest Channel / 20MHz / 16QAM

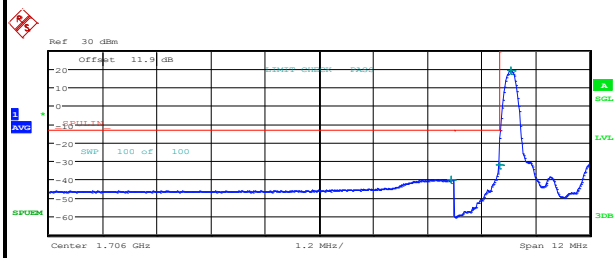


Date: 13.JAN.2015 11:02:41

Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

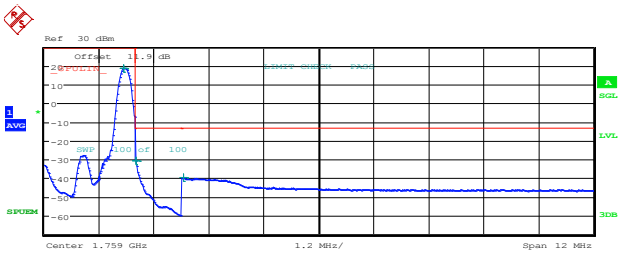
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708928 G	-40.07	-27.07
1.709 G	1.710 G	20.00 k	1.709999 G	-32.31	-19.31
1.710 G	1.712 G	100.00 k	1.710258 G	18.85	-11.15

Date: 13.JAN.2015 22:24:08

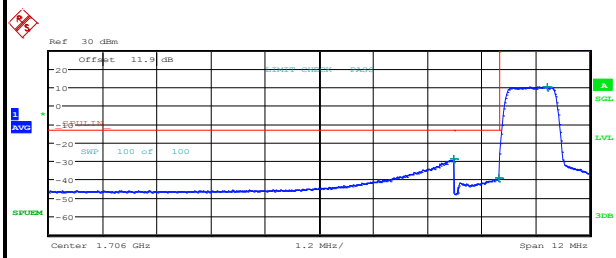
Highest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.753 G	1.755 G	100.00 k	1.754740 G	18.64	-11.36
1.755 G	1.756 G	20.00 k	1.755001 G	-30.75	-17.75
1.756 G	1.765 G	1.00 M	1.756036 G	-39.76	-26.76

Date: 13.JAN.2015 22:35:07

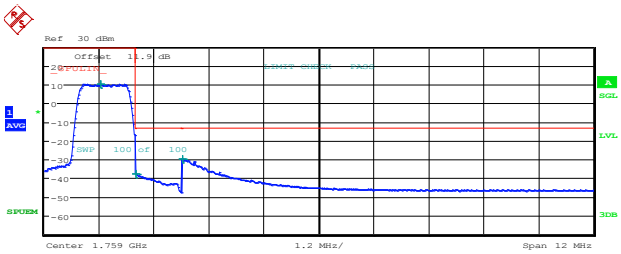
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708973 G	-29.13	-16.13
1.709 G	1.710 G	20.00 k	1.709975 G	-39.18	-26.18
1.710 G	1.712 G	100.00 k	1.711060 G	10.05	-19.95

Date: 13.JAN.2015 22:26:29

Highest Band Edge / Full RB

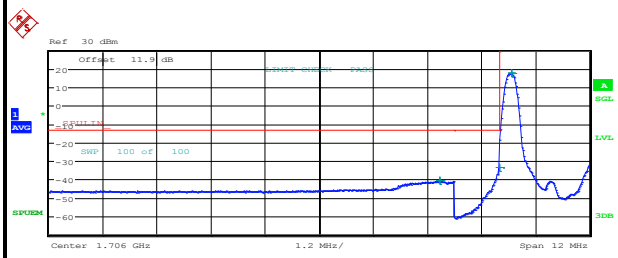


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.753 G	1.755 G	100.00 k	1.754230 G	10.16	-19.84
1.755 G	1.756 G	20.00 k	1.755004 G	-37.76	-24.76
1.756 G	1.765 G	1.00 M	1.756027 G	-29.88	-16.88

Date: 13.JAN.2015 22:37:28

LTE Band 4 / 1.4MHz / 16QAM

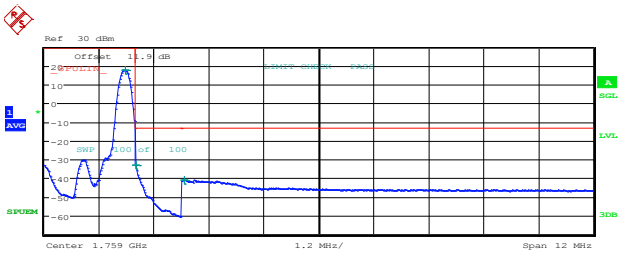
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708676 G	-40.87	-27.87
1.709 G	1.710 G	20.00 k	1.709999 G	-33.83	-20.83
1.710 G	1.712 G	100.00 k	1.710274 G	17.39	-12.61

Date: 13.JAN.2015 22:25:19

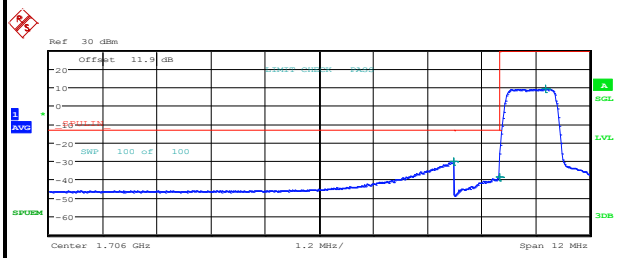
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.753 G	1.755 G	100.00 k	1.754770 G	17.65	-12.35
1.755 G	1.756 G	20.00 k	1.755003 G	-33.22	-20.22
1.756 G	1.765 G	1.00 M	1.756063 G	-41.11	-28.11

Date: 13.JAN.2015 22:36:17

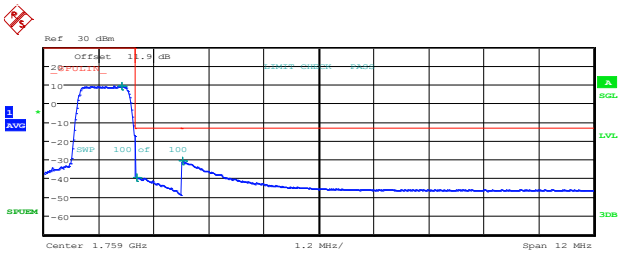
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708973 G	-30.47	-17.47
1.709 G	1.710 G	20.00 k	1.709999 G	-38.77	-25.77
1.710 G	1.712 G	100.00 k	1.711028 G	9.16	-20.84

Date: 13.JAN.2015 22:27:40

Highest Band Edge / Full RB

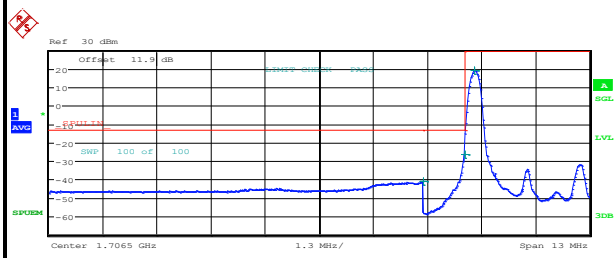


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.753 G	1.755 G	100.00 k	1.754686 G	9.09	-20.91
1.755 G	1.756 G	20.00 k	1.755010 G	-39.55	-26.55
1.756 G	1.765 G	1.00 M	1.756027 G	-31.01	-18.01

Date: 13.JAN.2015 22:38:38

LTE Band 4 / 3MHz / QPSK

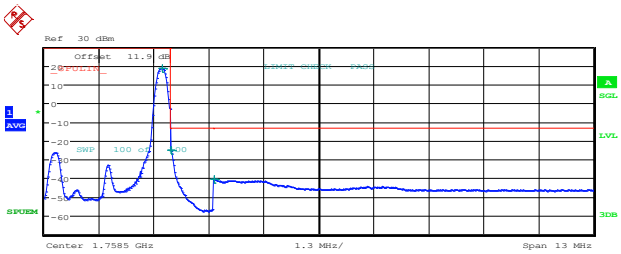
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.709000 G	-41.05	-28.05
1.709 G	1.710 G	30.00 k	1.709997 G	-26.66	-13.66
1.710 G	1.713 G	100.00 k	1.710222 G	18.77	-11.23

Date: 13.JAN.2015 09:29:56

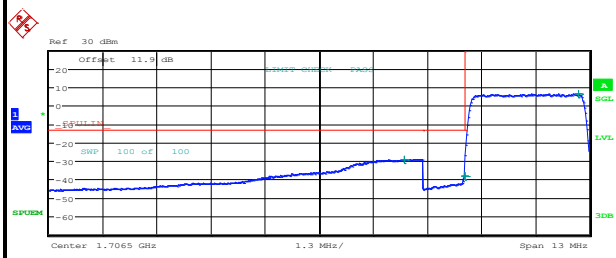
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.752 G	1.755 G	100.00 k	1.754790 G	18.59	-11.41
1.755 G	1.756 G	30.00 k	1.755004 G	-25.35	-12.35
1.756 G	1.765 G	1.00 M	1.756027 G	-40.78	-27.78

Date: 13.JAN.2015 09:40:51

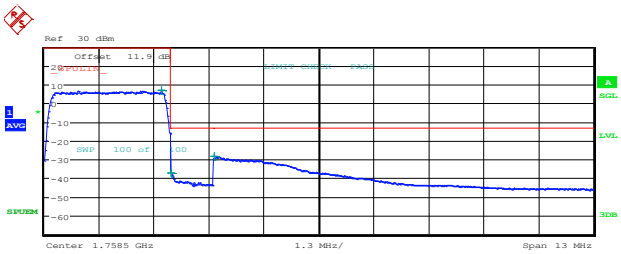
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708550 G	-29.31	-16.31
1.709 G	1.710 G	30.00 k	1.709991 G	-38.28	-25.28
1.710 G	1.713 G	100.00 k	1.712736 G	6.23	-23.77

Date: 13.JAN.2015 09:32:16

Highest Band Edge / Full RB

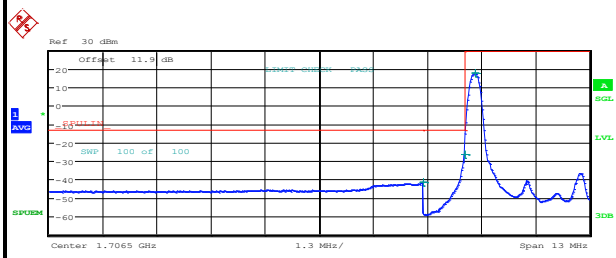


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.752 G	1.755 G	100.00 k	1.754763 G	6.94	-23.06
1.755 G	1.756 G	30.00 k	1.755009 G	-37.15	-24.15
1.756 G	1.765 G	1.00 M	1.756027 G	-28.43	-15.43

Date: 13.JAN.2015 09:43:10

LTE Band 4 / 3MHz / 16QAM

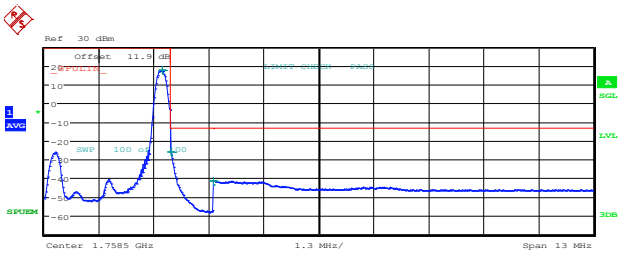
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708991 G	-41.72	-28.72
1.709 G	1.710 G	30.00 k	1.709999 G	-26.50	-13.50
1.710 G	1.713 G	100.00 k	1.710240 G	17.75	-12.25

Date: 13.JAN.2015 09:31:06

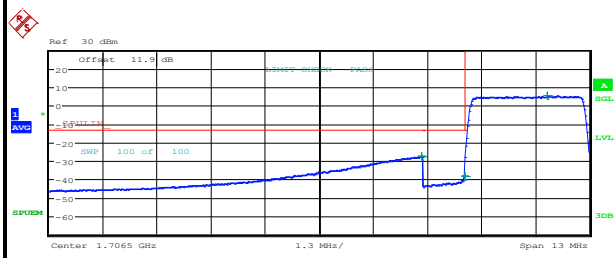
Highest Band Edge /1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.752 G	1.755 G	100.00 k	1.754796 G	17.57	-12.43
1.755 G	1.756 G	30.00 k	1.755003 G	-26.21	-13.21
1.756 G	1.765 G	1.00 M	1.756009 G	-41.41	-28.41

Date: 13.JAN.2015 09:42:00

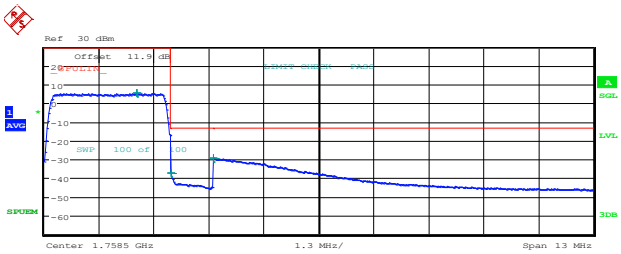
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708955 G	-27.58	-14.58
1.709 G	1.710 G	30.00 k	1.709996 G	-38.24	-25.24
1.710 G	1.713 G	100.00 k	1.711974 G	5.18	-24.82

Date: 13.JAN.2015 09:33:26

Highest Band Edge / Full RB

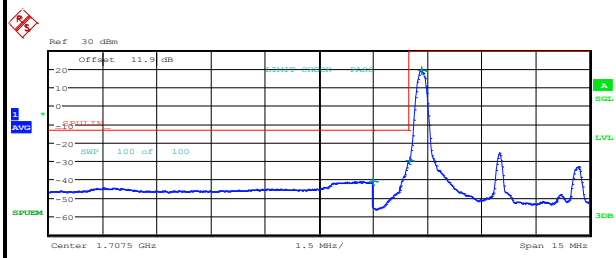


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.752 G	1.755 G	100.00 k	1.754190 G	5.27	-24.73
1.755 G	1.756 G	30.00 k	1.755009 G	-37.39	-24.39
1.756 G	1.765 G	1.00 M	1.756009 G	-29.47	-16.47

Date: 13.JAN.2015 09:44:20

LTE Band 4 / 5MHz / QPSK

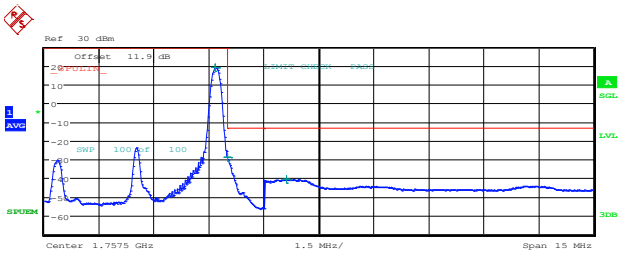
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.709000 G	-41.08	-28.08
1.709 G	1.710 G	50.00 k	1.709991 G	-30.07	-17.07
1.710 G	1.715 G	100.00 k	1.710330 G	18.77	-11.23

Date: 13.JAN.2015 09:48:42

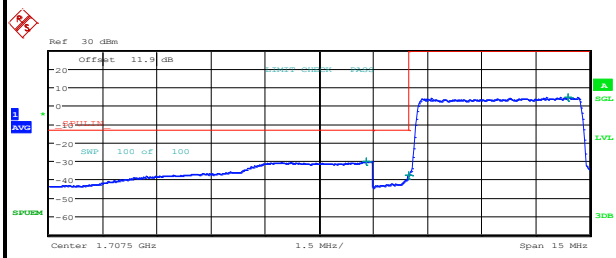
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.750 G	1.755 G	100.00 k	1.754655 G	18.82	-11.18
1.755 G	1.756 G	50.00 k	1.755001 G	-28.82	-15.82
1.756 G	1.765 G	1.00 M	1.756603 G	-40.85	-27.85

Date: 13.JAN.2015 09:59:35

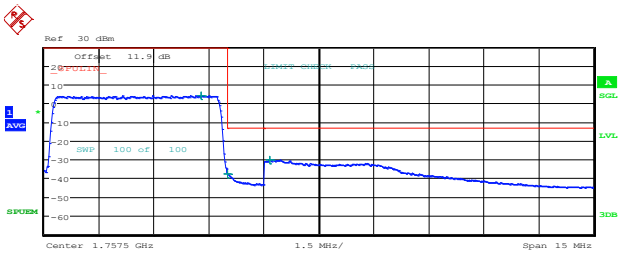
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708802 G	-30.19	-17.19
1.709 G	1.710 G	50.00 k	1.709971 G	-38.05	-25.05
1.710 G	1.715 G	100.00 k	1.714400 G	4.53	-25.47

Date: 13.JAN.2015 09:51:01

Highest Band Edge / Full RB

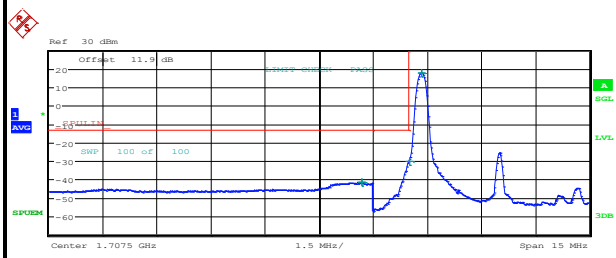


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.750 G	1.755 G	100.00 k	1.754285 G	3.94	-26.06
1.755 G	1.756 G	50.00 k	1.755003 G	-37.77	-24.77
1.756 G	1.765 G	1.00 M	1.756144 G	-30.22	-17.22

Date: 13.JAN.2015 10:01:54

LTE Band 4 / 5MHz / 16QAM

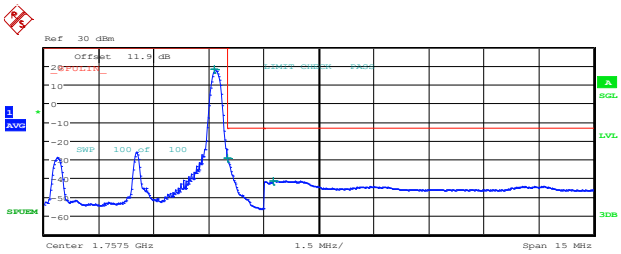
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708685 G	-41.59	-28.59
1.709 G	1.710 G	50.00 k	1.709997 G	-30.43	-17.43
1.710 G	1.715 G	100.00 k	1.710330 G	17.75	-12.25

Date: 13.JAN.2015 09:49:52

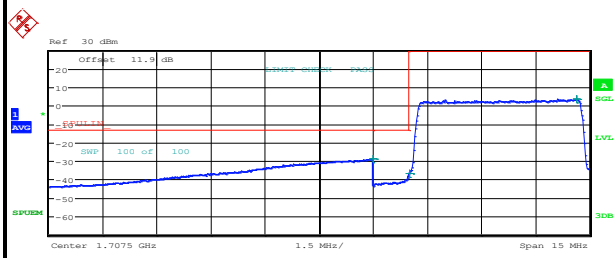
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.750 G	1.755 G	100.00 k	1.754650 G	17.85	-12.15
1.755 G	1.756 G	50.00 k	1.755011 G	-29.26	-16.26
1.756 G	1.765 G	1.00 M	1.756243 G	-41.47	-28.47

Date: 13.JAN.2015 10:00:44

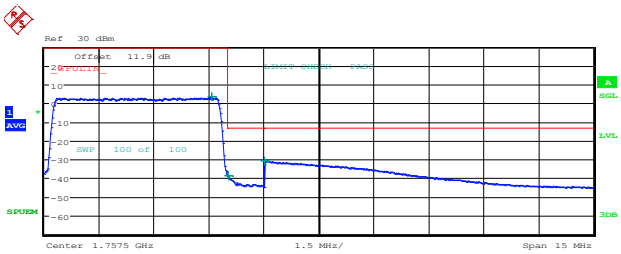
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.709000 G	-28.72	-15.72
1.709 G	1.710 G	50.00 k	1.709992 G	-37.13	-24.13
1.710 G	1.715 G	100.00 k	1.714635 G	3.59	-26.41

Date: 13.JAN.2015 09:52:11

Highest Band Edge / Full RB

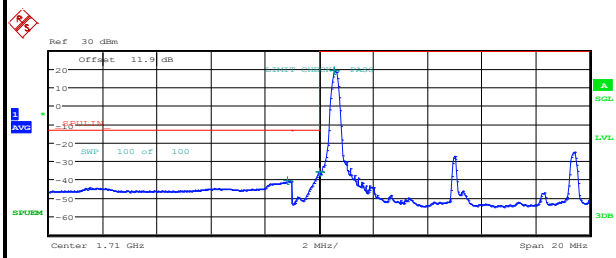


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.750 G	1.755 G	100.00 k	1.754570 G	3.39	-26.61
1.755 G	1.756 G	50.00 k	1.755018 G	-38.85	-25.85
1.756 G	1.765 G	1.00 M	1.756000 G	-30.85	-17.85

Date: 13.JAN.2015 10:03:04

LTE Band 4 / 10MHz / QPSK

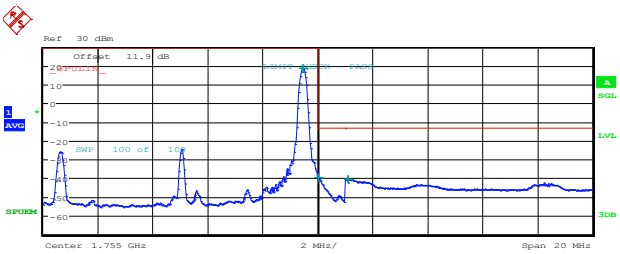
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708829 G	-40.89	-27.89
1.709 G	1.710 G	100.00 k	1.709995 G	-35.75	-22.75
1.710 G	1.720 G	100.00 k	1.710560 G	19.01	-10.99

Date: 13.JAN.2015 10:07:26

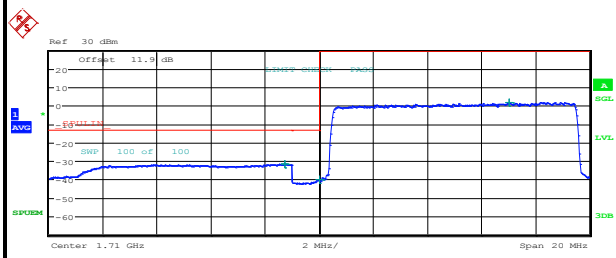
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.745 G	1.755 G	100.00 k	1.754440 G	18.53	-11.47
1.755 G	1.756 G	100.00 k	1.755004 G	-39.69	-26.69
1.756 G	1.765 G	1.00 M	1.756090 G	-40.54	-27.54

Date: 13.JAN.2015 10:18:20

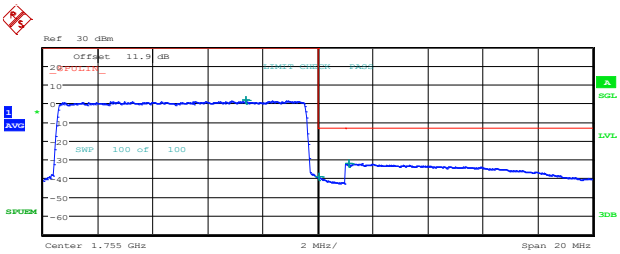
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708730 G	-31.79	-18.79
1.709 G	1.710 G	100.00 k	1.709990 G	-40.39	-27.39
1.710 G	1.720 G	100.00 k	1.717020 G	1.77	-28.23

Date: 13.JAN.2015 10:09:45

Highest Band Edge / Full RB

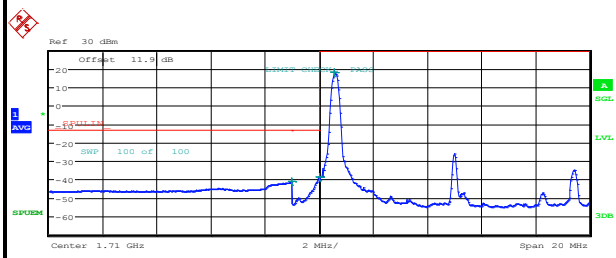


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.745 G	1.755 G	100.00 k	1.752370 G	1.36	-28.64
1.755 G	1.756 G	100.00 k	1.755040 G	-39.17	-26.17
1.756 G	1.765 G	1.00 M	1.756108 G	-32.37	-19.37

Date: 13.JAN.2015 10:20:42

LTE Band 4 / 10MHz / 16QAM

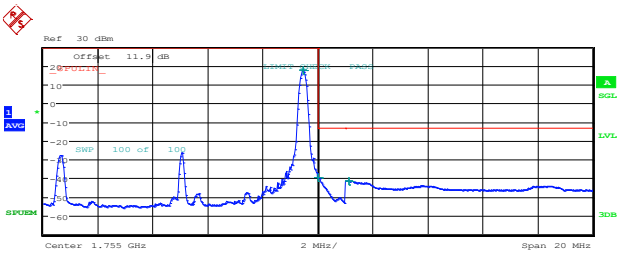
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708982 G	-41.06	-28.06
1.709 G	1.710 G	100.00 k	1.709993 G	-38.62	-25.62
1.710 G	1.720 G	100.00 k	1.710560 G	17.83	-12.17

Date: 13.JAN.2015 10:08:35

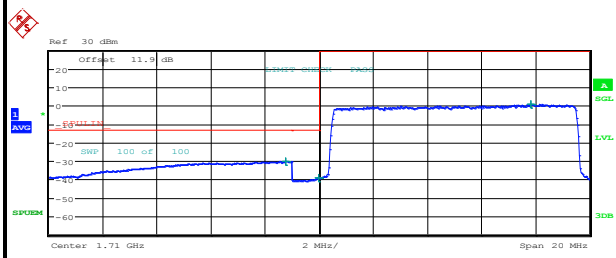
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.745 G	1.755 G	100.00 k	1.754460 G	17.37	-12.63
1.755 G	1.756 G	100.00 k	1.755014 G	-39.57	-26.57
1.756 G	1.765 G	1.00 M	1.756108 G	-41.38	-28.38

Date: 13.JAN.2015 10:19:30

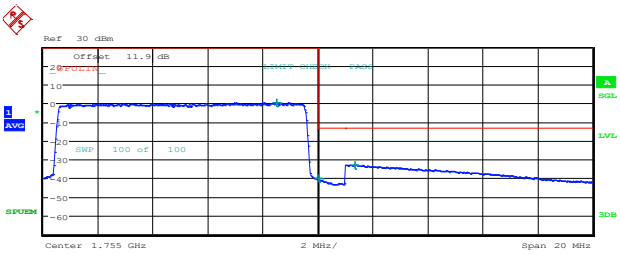
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708757 G	-30.24	-17.24
1.709 G	1.710 G	100.00 k	1.709977 G	-39.25	-26.25
1.710 G	1.720 G	100.00 k	1.717830 G	0.71	-29.29

Date: 13.JAN.2015 10:10:55

Highest Band Edge / Full RB

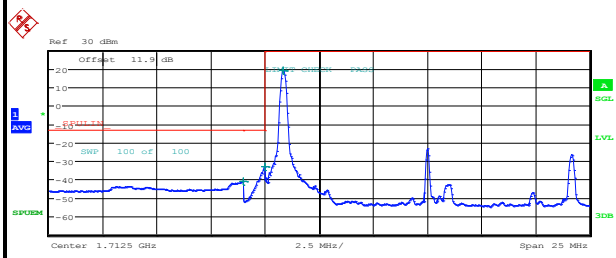


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.745 G	1.755 G	100.00 k	1.753500 G	0.22	-29.78
1.755 G	1.756 G	100.00 k	1.755026 G	-40.10	-27.10
1.756 G	1.765 G	1.00 M	1.756342 G	-32.91	-19.91

Date: 13.JAN.2015 10:22:00

LTE Band 4 / 15MHz / QPSK

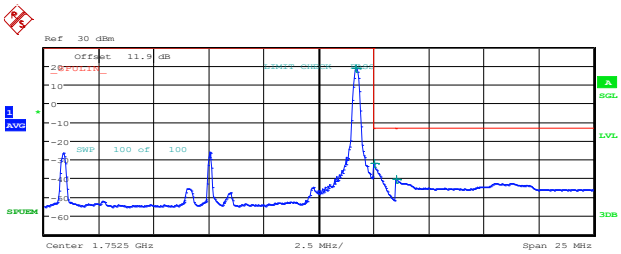
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708973 G	-41.09	-28.09
1.709 G	1.710 G	150.00 k	1.709977 G	-33.36	-20.36
1.710 G	1.725 G	100.00 k	1.710810 G	19.10	-10.90

Date: 13.JAN.2015 10:26:27

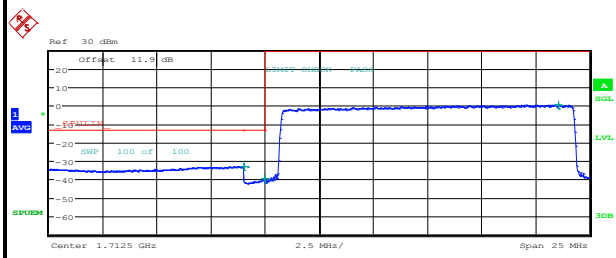
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.740 G	1.755 G	100.00 k	1.754190 G	18.68	-11.32
1.755 G	1.756 G	150.00 k	1.755018 G	-32.23	-19.23
1.756 G	1.765 G	1.00 M	1.756009 G	-40.71	-27.71

Date: 14.JAN.2015 13:58:38

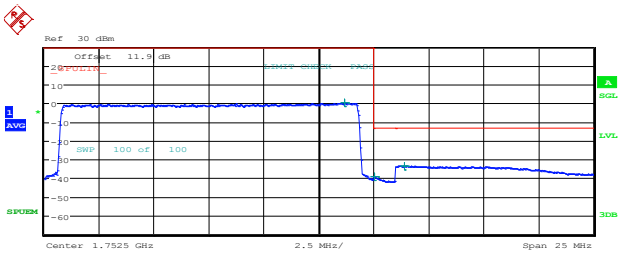
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.709000 G	-33.19	-20.19
1.709 G	1.710 G	150.00 k	1.709977 G	-39.94	-26.94
1.710 G	1.725 G	100.00 k	1.723545 G	0.39	-29.61

Date: 13.JAN.2015 10:28:47

Highest Band Edge / Full RB

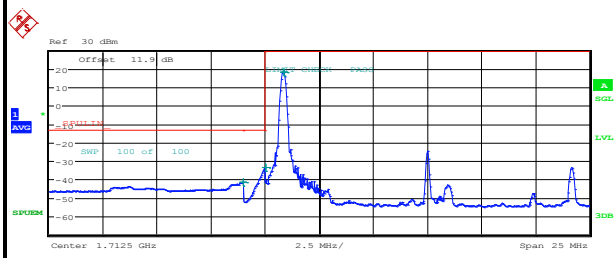


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.740 G	1.755 G	100.00 k	1.753650 G	0.11	-29.89
1.755 G	1.756 G	150.00 k	1.755038 G	-39.44	-26.44
1.756 G	1.765 G	1.00 M	1.756369 G	-33.43	-20.43

Date: 13.JAN.2015 10:47:53

LTE Band 4 / 15MHz / 16QAM

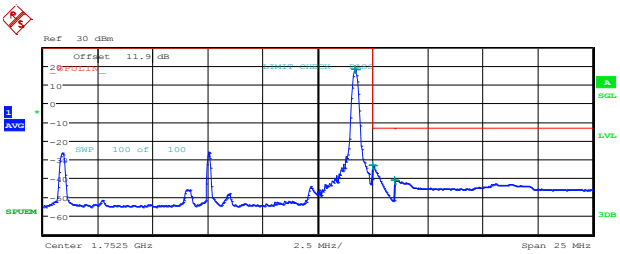
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708955 G	-41.55	-28.55
1.709 G	1.710 G	150.00 k	1.709996 G	-33.66	-20.66
1.710 G	1.725 G	100.00 k	1.710840 G	18.09	-11.91

Date: 13.JAN.2015 10:27:37

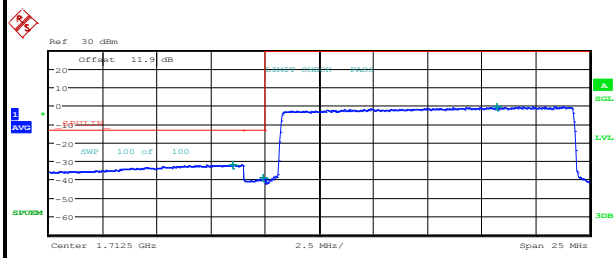
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.740 G	1.755 G	100.00 k	1.754190 G	17.84	-12.16
1.755 G	1.756 G	150.00 k	1.755003 G	-33.30	-20.30
1.756 G	1.765 G	1.00 M	1.756000 G	-41.12	-28.12

Date: 13.JAN.2015 10:46:43

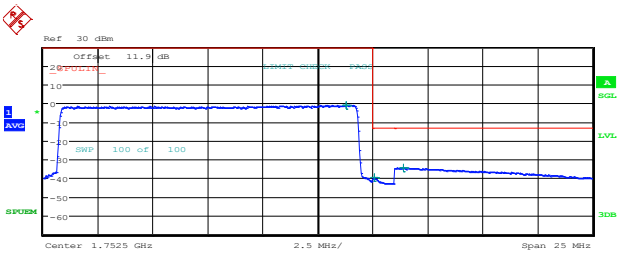
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708478 G	-32.24	-19.24
1.709 G	1.710 G	150.00 k	1.709889 G	-39.27	-26.27
1.710 G	1.725 G	100.00 k	1.720695 G	-0.72	-30.72

Date: 13.JAN.2015 10:29:57

Highest Band Edge / Full RB

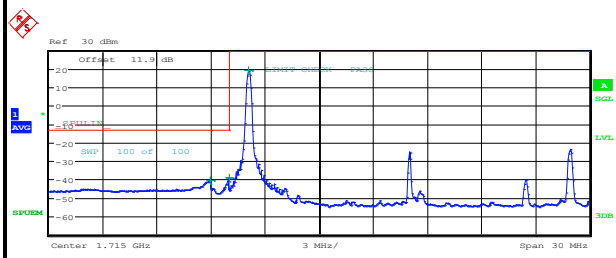


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.740 G	1.755 G	100.00 k	1.753800 G	-1.01	-31.01
1.755 G	1.756 G	150.00 k	1.755059 G	-39.82	-26.82
1.756 G	1.765 G	1.00 M	1.756369 G	-34.60	-21.60

Date: 13.JAN.2015 10:49:03

LTE Band 4 / 20MHz / QPSK

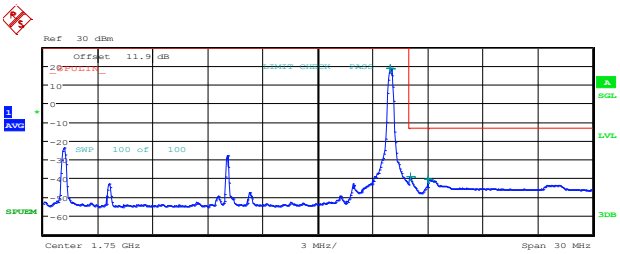
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708937 G	-40.82	-27.82
1.709 G	1.710 G	200.00 k	1.709990 G	-39.37	-26.37
1.710 G	1.730 G	100.00 k	1.711080 G	18.94	-11.06

Date: 13.JAN.2015 10:53:24

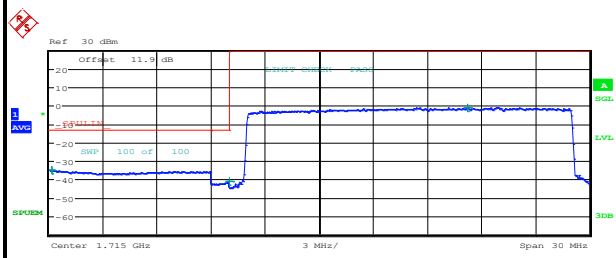
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.735 G	1.755 G	100.00 k	1.753940 G	18.69	-11.31
1.755 G	1.756 G	200.00 k	1.755026 G	-39.25	-26.25
1.756 G	1.765 G	1.00 M	1.756000 G	-40.87	-27.87

Date: 13.JAN.2015 11:04:16

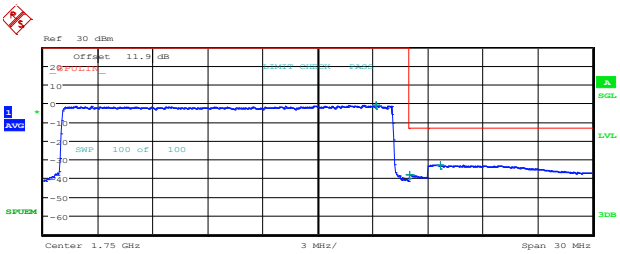
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.700126 G	-35.11	-22.11
1.709 G	1.710 G	200.00 k	1.709992 G	-41.06	-28.06
1.710 G	1.730 G	100.00 k	1.723200 G	-1.15	-31.15

Date: 13.JAN.2015 10:55:43

Highest Band Edge / Full RB

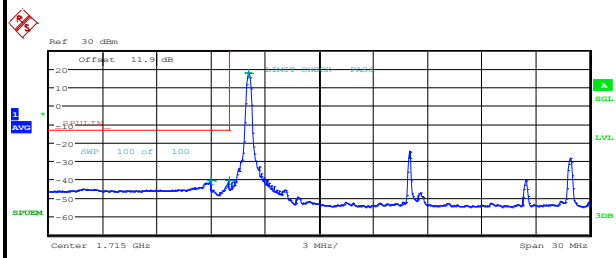


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.735 G	1.755 G	100.00 k	1.753160 G	-1.14	-31.14
1.755 G	1.756 G	200.00 k	1.755013 G	-38.34	-25.34
1.756 G	1.765 G	1.00 M	1.756702 G	-33.09	-20.09

Date: 13.JAN.2015 11:06:36

LTE Band 4 / 20MHz / 16QAM

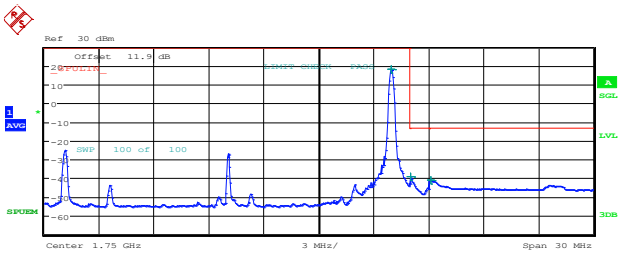
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708982 G	-40.46	-27.46
1.709 G	1.710 G	200.00 k	1.709995 G	-40.45	-27.45
1.710 G	1.730 G	100.00 k	1.711060 G	17.76	-12.24

Date: 13.JAN.2015 10:54:34

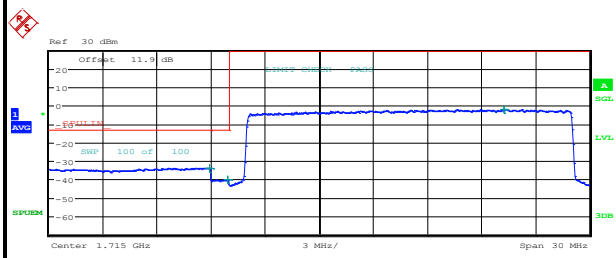
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.735 G	1.755 G	100.00 k	1.753940 G	17.98	-12.02
1.755 G	1.756 G	200.00 k	1.755004 G	-39.16	-26.16
1.756 G	1.765 G	1.00 M	1.756090 G	-41.20	-28.20

Date: 13.JAN.2015 11:05:26

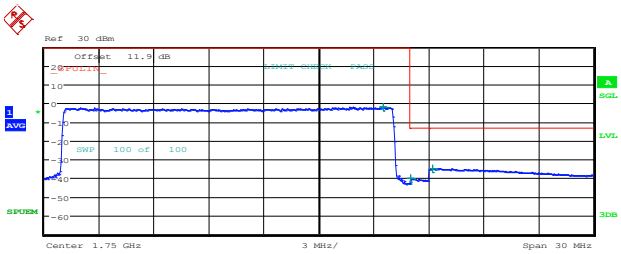
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.700 G	1.709 G	1.00 M	1.708883 G	-33.88	-20.88
1.709 G	1.710 G	200.00 k	1.709920 G	-40.07	-27.07
1.710 G	1.730 G	100.00 k	1.725260 G	-2.20	-32.20

Date: 13.JAN.2015 10:56:53

Highest Band Edge / Full RB



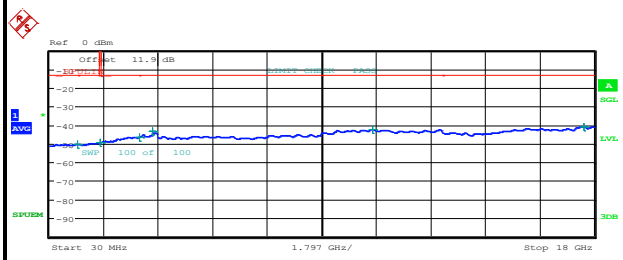
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.735 G	1.755 G	100.00 k	1.753520 G	-1.94	-31.94
1.755 G	1.756 G	200.00 k	1.755009 G	-40.05	-27.05
1.756 G	1.765 G	1.00 M	1.756189 G	-34.95	-21.95

Date: 13.JAN.2015 11:07:46

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

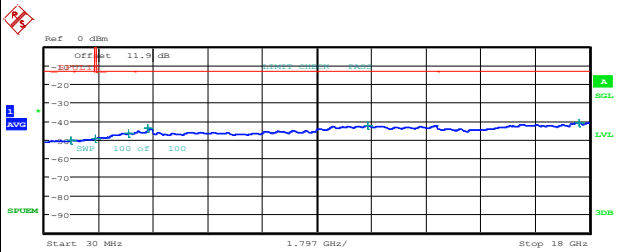
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	965.080000 M	-50.26	-37.26
1.000 G	1.700 G	1.00 M	1.693000 G	-49.31	-36.31
1.765 G	3.000 G	1.00 M	2.988885 G	-46.58	-33.58
3.000 G	9.000 G	1.00 M	3.420000 G	-43.60	-30.60
9.000 G	13.000 G	1.00 M	10.676000 G	-42.39	-29.39
13.000 G	18.000 G	1.00 M	17.660000 G	-40.93	-27.93

Date: 13.JAN.2015 22:28:50

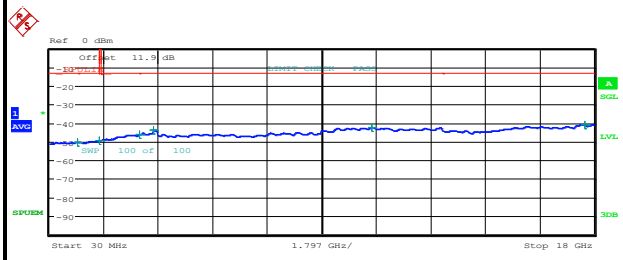
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	885.540000 M	-50.38	-37.38
1.000 G	1.700 G	1.00 M	1.698600 G	-49.47	-36.47
1.765 G	3.000 G	1.00 M	2.799930 G	-46.56	-33.56
3.000 G	9.000 G	1.00 M	3.420000 G	-44.04	-31.04
9.000 G	13.000 G	1.00 M	10.676000 G	-42.42	-29.42
13.000 G	18.000 G	1.00 M	17.650000 G	-40.97	-27.97

Date: 13.JAN.2015 22:30:01

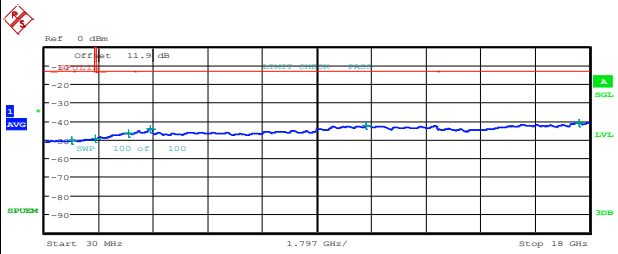
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	944.710000 M	-50.32	-37.32
1.000 G	1.700 G	1.00 M	1.679000 G	-49.46	-36.46
1.765 G	3.000 G	1.00 M	2.988885 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.462000 G	-43.96	-30.96
9.000 G	13.000 G	1.00 M	10.660000 G	-42.35	-29.35
13.000 G	18.000 G	1.00 M	17.675000 G	-40.96	-27.96

Date: 13.JAN.2015 22:31:58

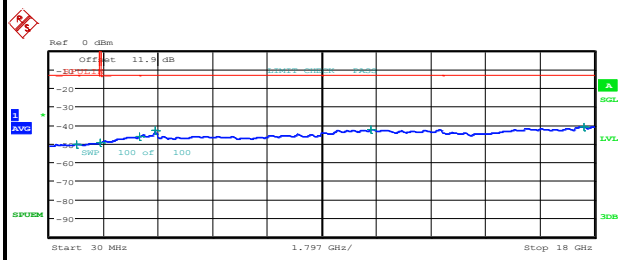
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	926.280000 M	-50.40	-37.40
1.000 G	1.700 G	1.00 M	1.695100 G	-49.32	-36.32
1.765 G	3.000 G	1.00 M	2.807340 G	-46.48	-33.48
3.000 G	9.000 G	1.00 M	3.510000 G	-44.18	-31.18
9.000 G	13.000 G	1.00 M	10.640000 G	-42.45	-29.45
13.000 G	18.000 G	1.00 M	17.650000 G	-40.87	-27.87

LTE Band 4 / 1.4MHz

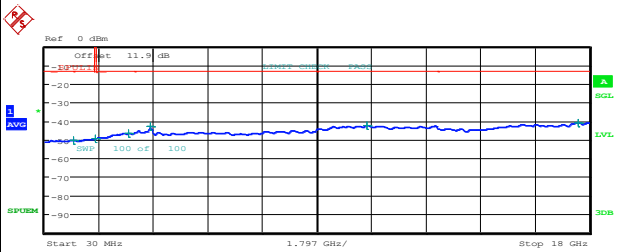
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	924.340000 M	-50.30	-37.30
1.000 G	1.700 G	1.00 M	1.699300 G	-49.36	-36.36
1.765 G	3.000 G	1.00 M	2.991355 G	-46.45	-33.45
3.000 G	9.000 G	1.00 M	3.504000 G	-43.01	-30.01
9.000 G	13.000 G	1.00 M	10.640000 G	-42.44	-29.44
13.000 G	18.000 G	1.00 M	17.655000 G	-40.95	-27.95

Date: 13.JAN.2015 22:39:48

Highest Channel / 16QAM

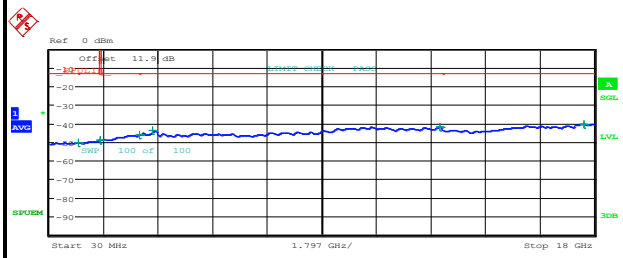


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	969.930000 M	-50.29	-37.29
1.000 G	1.700 G	1.00 M	1.697900 G	-49.45	-36.45
1.765 G	3.000 G	1.00 M	2.806105 G	-46.48	-33.48
3.000 G	9.000 G	1.00 M	3.504000 G	-43.13	-30.13
9.000 G	13.000 G	1.00 M	10.644000 G	-42.46	-29.46
13.000 G	18.000 G	1.00 M	17.640000 G	-40.93	-27.93

Date: 13.JAN.2015 22:40:59

LTE Band 4 / 3MHz

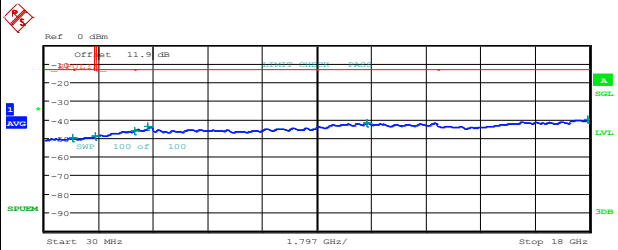
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	976.720000 M	-50.37	-37.37
1.000 G	1.700 G	1.00 M	1.699300 G	-49.26	-36.26
1.765 G	3.000 G	1.00 M	2.996295 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.420000 G	-43.67	-30.67
9.000 G	13.000 G	1.00 M	12.908000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.650000 G	-40.39	-27.39

Date: 13.JAN.2015 09:34:36

Lowest Channel / 16QAM

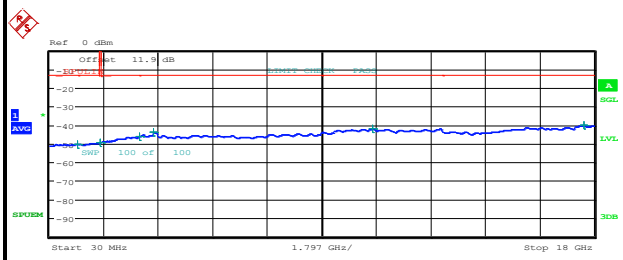


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	960.230000 M	-50.22	-37.22
1.000 G	1.700 G	1.00 M	1.699300 G	-49.16	-36.16
1.765 G	3.000 G	1.00 M	2.990120 G	-46.47	-33.47
3.000 G	9.000 G	1.00 M	3.420000 G	-44.05	-31.05
9.000 G	13.000 G	1.00 M	10.664000 G	-42.21	-29.21
13.000 G	18.000 G	1.00 M	17.930000 G	-40.35	-27.35

Date: 13.JAN.2015 09:35:46

LTE Band 4 / 3MHz

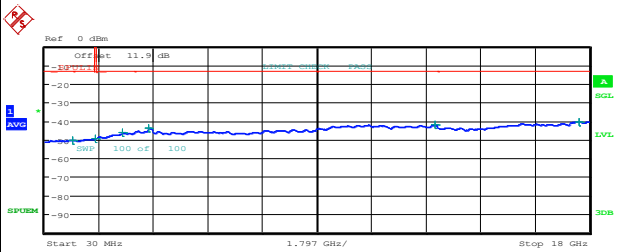
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	951.500000 M	-50.29	-37.29
1.000 G	1.700 G	1.00 M	1.691600 G	-49.37	-36.37
1.765 G	3.000 G	1.00 M	2.995060 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.462000 G	-43.74	-30.74
9.000 G	13.000 G	1.00 M	10.676000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.665000 G	-40.37	-27.37

Date: 13.JAN.2015 09:37:44

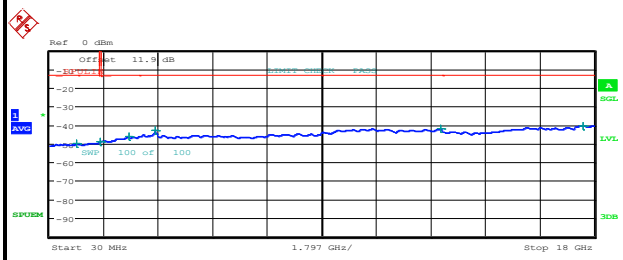
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	952.470000 M	-50.32	-37.32
1.000 G	1.700 G	1.00 M	1.695100 G	-49.32	-36.32
1.765 G	3.000 G	1.00 M	2.598625 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.462000 G	-44.00	-31.00
9.000 G	13.000 G	1.00 M	12.904000 G	-42.16	-29.16
13.000 G	18.000 G	1.00 M	17.650000 G	-40.40	-27.40

Date: 13.JAN.2015 09:38:54

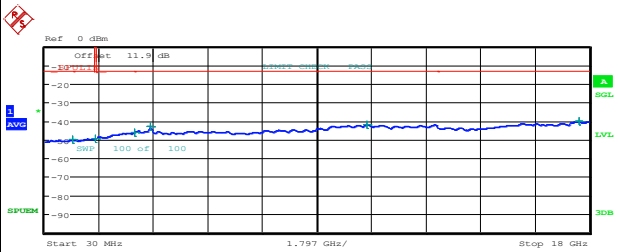
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	919.490000 M	-50.23	-37.23
1.000 G	1.700 G	1.00 M	1.699300 G	-49.25	-36.25
1.765 G	3.000 G	1.00 M	2.643085 G	-46.28	-33.28
3.000 G	9.000 G	1.00 M	3.504000 G	-43.06	-30.06
9.000 G	13.000 G	1.00 M	12.920000 G	-42.18	-29.18
13.000 G	18.000 G	1.00 M	17.640000 G	-40.44	-27.44

Date: 13.JAN.2015 09:45:30

Highest Channel / 16QAM

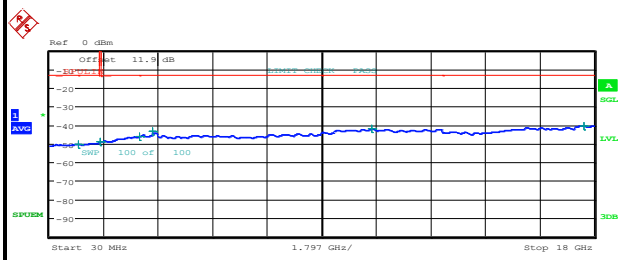


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	951.500000 M	-50.21	-37.21
1.000 G	1.700 G	1.00 M	1.691600 G	-49.34	-36.34
1.765 G	3.000 G	1.00 M	2.983945 G	-46.33	-33.33
3.000 G	9.000 G	1.00 M	3.504000 G	-43.19	-30.19
9.000 G	13.000 G	1.00 M	10.648000 G	-42.18	-29.18
13.000 G	18.000 G	1.00 M	17.665000 G	-40.38	-27.38

Date: 13.JAN.2015 09:46:40

LTE Band 4 / 5MHz

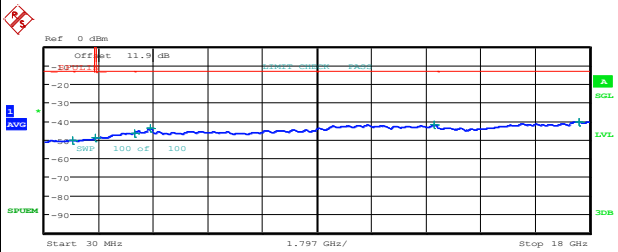
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	967.990000 M	-50.29	-37.29
1.000 G	1.700 G	1.00 M	1.695800 G	-49.22	-36.22
1.765 G	3.000 G	1.00 M	2.991355 G	-46.37	-33.37
3.000 G	9.000 G	1.00 M	3.420000 G	-43.65	-30.65
9.000 G	13.000 G	1.00 M	10.664000 G	-42.15	-29.15
13.000 G	18.000 G	1.00 M	17.655000 G	-40.40	-27.40

Date: 13.JAN.2015 09:53:21

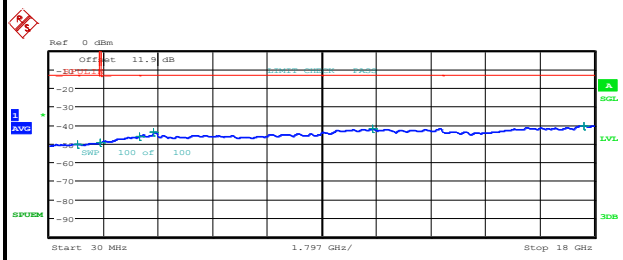
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	963.140000 M	-50.37	-37.37
1.000 G	1.700 G	1.00 M	1.693700 G	-49.28	-36.28
1.765 G	3.000 G	1.00 M	2.986415 G	-46.48	-33.48
3.000 G	9.000 G	1.00 M	3.510000 G	-44.11	-31.11
9.000 G	13.000 G	1.00 M	12.888000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.655000 G	-40.38	-27.38

Date: 13.JAN.2015 09:54:31

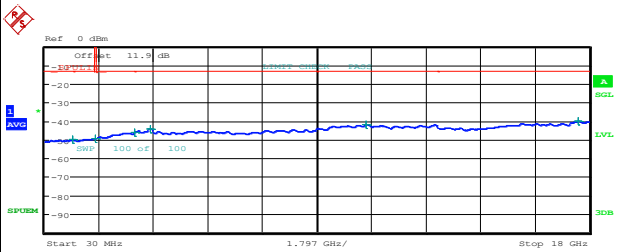
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	960.230000 M	-50.32	-37.32
1.000 G	1.700 G	1.00 M	1.686700 G	-49.30	-36.30
1.765 G	3.000 G	1.00 M	2.998765 G	-46.42	-33.42
3.000 G	9.000 G	1.00 M	3.456000 G	-44.10	-31.10
9.000 G	13.000 G	1.00 M	10.676000 G	-42.11	-29.11
13.000 G	18.000 G	1.00 M	17.660000 G	-40.41	-27.41

Date: 13.JAN.2015 09:56:28

Middle Channel / 16QAM

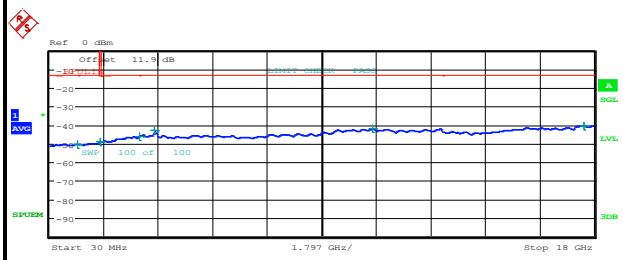


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	938.890000 M	-50.19	-37.19
1.000 G	1.700 G	1.00 M	1.699300 G	-49.30	-36.30
1.765 G	3.000 G	1.00 M	2.995060 G	-46.46	-33.46
3.000 G	9.000 G	1.00 M	3.504000 G	-44.15	-31.15
9.000 G	13.000 G	1.00 M	10.624000 G	-42.13	-29.13
13.000 G	18.000 G	1.00 M	17.630000 G	-40.31	-27.31

Date: 13.JAN.2015 09:57:37

LTE Band 4 / 5MHz

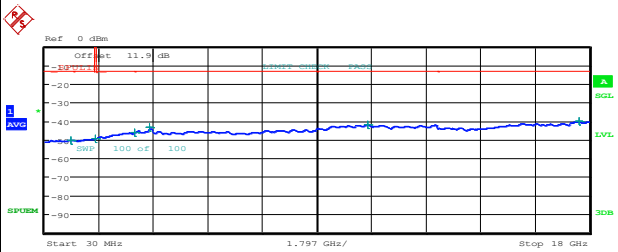
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	963.140000 M	-50.31	-37.31
1.000 G	1.700 G	1.00 M	1.688800 G	-49.19	-36.19
1.765 G	3.000 G	1.00 M	2.995060 G	-46.43	-33.43
3.000 G	9.000 G	1.00 M	3.498000 G	-43.16	-30.16
9.000 G	13.000 G	1.00 M	10.672000 G	-42.07	-29.07
13.000 G	18.000 G	1.00 M	17.665000 G	-40.43	-27.43

Date: 13.JAN.2015 10:04:14

Highest Channel / 16QAM

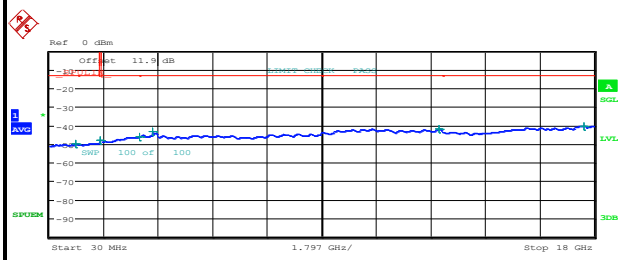


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	902.030000 M	-50.28	-37.28
1.000 G	1.700 G	1.00 M	1.697900 G	-49.34	-36.34
1.765 G	3.000 G	1.00 M	2.985180 G	-46.30	-33.30
3.000 G	9.000 G	1.00 M	3.498000 G	-43.23	-30.23
9.000 G	13.000 G	1.00 M	10.680000 G	-42.15	-29.15
13.000 G	18.000 G	1.00 M	17.650000 G	-40.37	-27.37

Date: 13.JAN.2015 10:05:24

LTE Band 4 / 10MHz

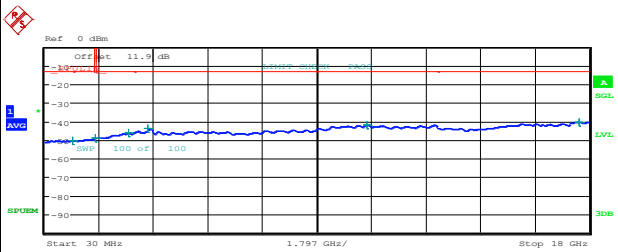
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	903.000000 M	-50.08	-37.08
1.000 G	1.700 G	1.00 M	1.693700 G	-48.23	-35.23
1.765 G	3.000 G	1.00 M	2.998765 G	-46.47	-33.47
3.000 G	9.000 G	1.00 M	3.420000 G	-43.39	-30.39
9.000 G	13.000 G	1.00 M	12.876000 G	-42.15	-29.15
13.000 G	18.000 G	1.00 M	17.645000 G	-40.38	-27.38

Date: 13.JAN.2015 10:12:05

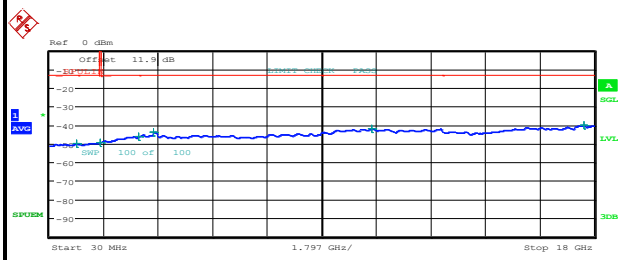
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	964.110000 M	-50.30	-37.30
1.000 G	1.700 G	1.00 M	1.693700 G	-48.84	-35.84
1.765 G	3.000 G	1.00 M	2.793755 G	-46.44	-33.44
3.000 G	9.000 G	1.00 M	3.420000 G	-43.82	-30.82
9.000 G	13.000 G	1.00 M	10.668000 G	-42.15	-29.15
13.000 G	18.000 G	1.00 M	17.660000 G	-40.41	-27.41

LTE Band 4 / 10MHz

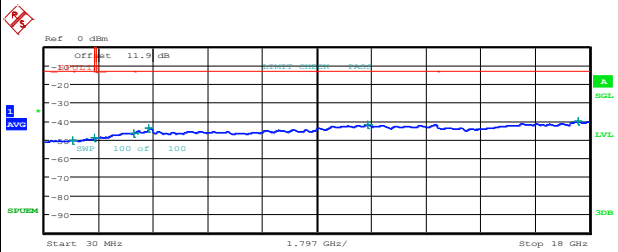
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	926.280000 M	-50.22	-37.22
1.000 G	1.700 G	1.00 M	1.691600 G	-49.35	-36.35
1.765 G	3.000 G	1.00 M	2.976535 G	-46.39	-33.39
3.000 G	9.000 G	1.00 M	3.456000 G	-43.75	-30.75
9.000 G	13.000 G	1.00 M	10.652000 G	-42.09	-29.09
13.000 G	18.000 G	1.00 M	17.645000 G	-40.35	-27.35

Date: 13.JAN.2015 10:15:13

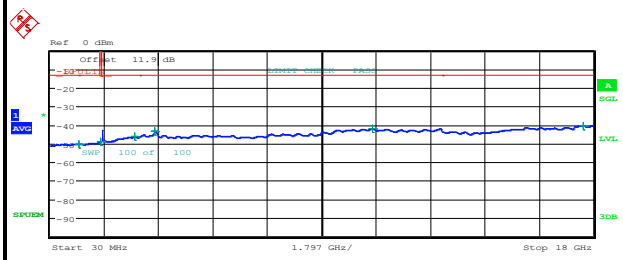
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	950.530000 M	-50.31	-37.31
1.000 G	1.700 G	1.00 M	1.676200 G	-49.25	-36.25
1.765 G	3.000 G	1.00 M	2.971595 G	-46.50	-33.50
3.000 G	9.000 G	1.00 M	3.456000 G	-43.83	-30.83
9.000 G	13.000 G	1.00 M	10.680000 G	-42.19	-29.19
13.000 G	18.000 G	1.00 M	17.630000 G	-40.35	-27.35

Date: 13.JAN.2015 10:16:23

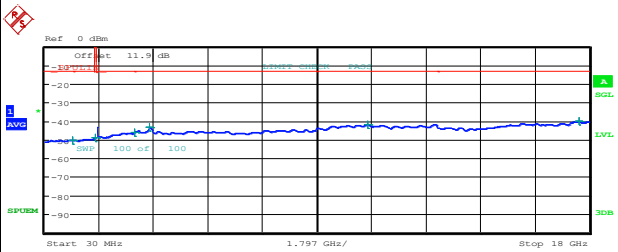
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	967.020000 M	-50.24	-37.24
1.000 G	1.700 G	1.00 M	1.696500 G	-49.13	-36.13
1.765 G	3.000 G	1.00 M	2.823395 G	-46.48	-33.48
3.000 G	9.000 G	1.00 M	3.492000 G	-43.43	-30.43
9.000 G	13.000 G	1.00 M	10.680000 G	-42.18	-29.18
13.000 G	18.000 G	1.00 M	17.655000 G	-40.39	-27.39

Date: 13.JAN.2015 10:23:12

Highest Channel / 16QAM

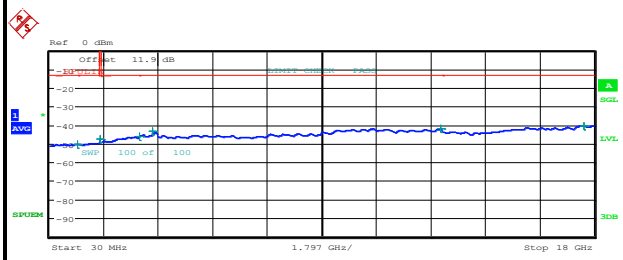


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	944.710000 M	-50.31	-37.31
1.000 G	1.700 G	1.00 M	1.695100 G	-49.28	-36.28
1.765 G	3.000 G	1.00 M	2.995060 G	-46.42	-33.42
3.000 G	9.000 G	1.00 M	3.492000 G	-43.54	-30.54
9.000 G	13.000 G	1.00 M	10.684000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.655000 G	-40.37	-27.37

Date: 13.JAN.2015 10:24:25

LTE Band 4 / 15MHz

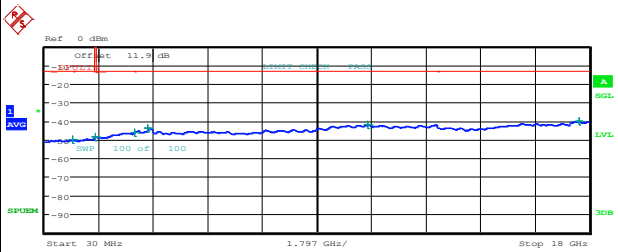
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	961.200000 M	-50.24	-37.24
1.000 G	1.700 G	1.00 M	1.697900 G	-47.74	-34.74
1.765 G	3.000 G	1.00 M	2.996295 G	-46.32	-33.32
3.000 G	9.000 G	1.00 M	3.420000 G	-43.45	-30.45
9.000 G	13.000 G	1.00 M	12.928000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.655000 G	-40.45	-27.45

Date: 13.JAN.2015 10:31:07

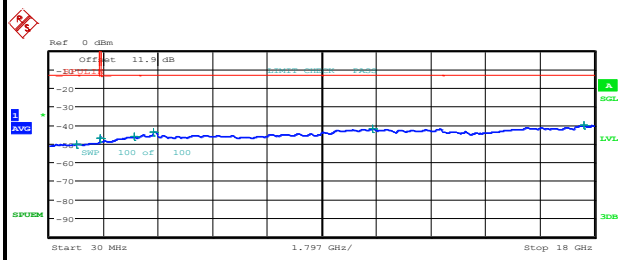
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	940.830000 M	-50.12	-37.12
1.000 G	1.700 G	1.00 M	1.697900 G	-48.46	-35.46
1.765 G	3.000 G	1.00 M	2.992590 G	-46.41	-33.41
3.000 G	9.000 G	1.00 M	3.420000 G	-43.73	-30.73
9.000 G	13.000 G	1.00 M	10.676000 G	-42.14	-29.14
13.000 G	18.000 G	1.00 M	17.660000 G	-40.34	-27.34

Date: 13.JAN.2015 10:32:16

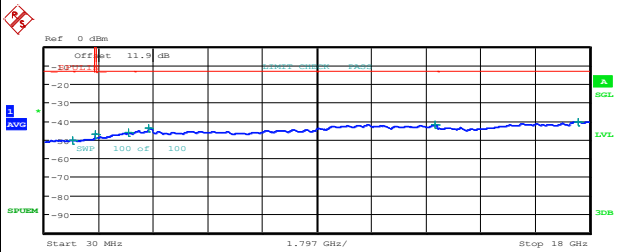
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	914.640000 M	-50.24	-37.24
1.000 G	1.700 G	1.00 M	1.699300 G	-47.30	-34.30
1.765 G	3.000 G	1.00 M	2.813515 G	-46.32	-33.32
3.000 G	9.000 G	1.00 M	3.450000 G	-43.70	-30.70
9.000 G	13.000 G	1.00 M	10.684000 G	-42.16	-29.16
13.000 G	18.000 G	1.00 M	17.655000 G	-40.36	-27.36

Date: 13.JAN.2015 10:34:14

Middle Channel / 16QAM

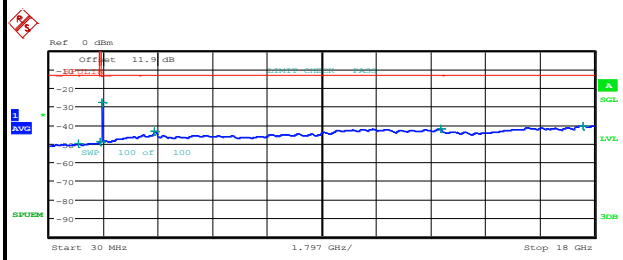


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	947.620000 M	-50.26	-37.26
1.000 G	1.700 G	1.00 M	1.699300 G	-46.95	-33.95
1.765 G	3.000 G	1.00 M	2.807340 G	-46.30	-33.30
3.000 G	9.000 G	1.00 M	3.450000 G	-43.87	-30.87
9.000 G	13.000 G	1.00 M	12.896000 G	-42.12	-29.12
13.000 G	18.000 G	1.00 M	17.640000 G	-40.38	-27.38

Date: 13.JAN.2015 10:35:24

LTE Band 4 / 15MHz

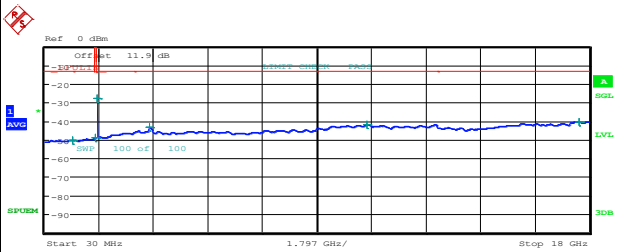
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	966.050000 M	-50.20	-37.20
1.000 G	1.700 G	1.00 M	1.698600 G	-49.18	-36.18
1.765 G	3.000 G	1.00 M	1.767470 G	-28.12	-15.12
3.000 G	9.000 G	1.00 M	3.480000 G	-43.40	-30.40
9.000 G	13.000 G	1.00 M	12.928000 G	-42.18	-29.18
13.000 G	18.000 G	1.00 M	17.640000 G	-40.40	-27.40

Date: 13.JAN.2015 10:50:12

Highest Channel / 16QAM

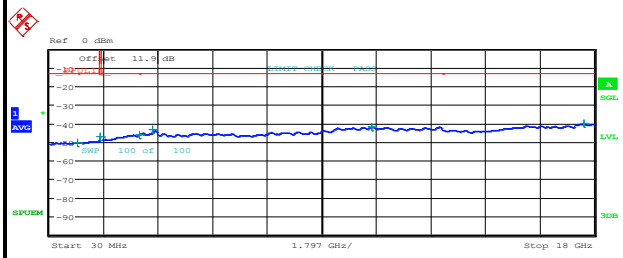


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	949.560000 M	-50.24	-37.24
1.000 G	1.700 G	1.00 M	1.694400 G	-49.15	-36.15
1.765 G	3.000 G	1.00 M	1.767470 G	-28.16	-15.16
3.000 G	9.000 G	1.00 M	3.480000 G	-43.56	-30.56
9.000 G	13.000 G	1.00 M	10.644000 G	-42.15	-29.15
13.000 G	18.000 G	1.00 M	17.665000 G	-40.42	-27.42

Date: 13.JAN.2015 10:51:22

LTE Band 4 / 20MHz

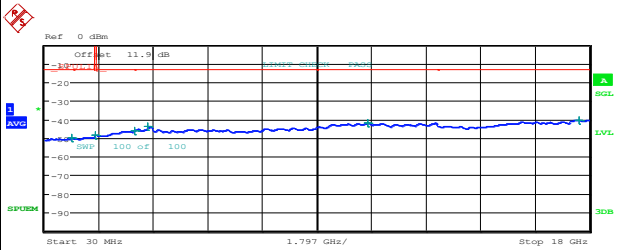
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	954.410000 M	-50.25	-37.25
1.000 G	1.700 G	1.00 M	1.693700 G	-47.06	-34.06
1.765 G	3.000 G	1.00 M	2.997530 G	-46.28	-33.28
3.000 G	9.000 G	1.00 M	3.420000 G	-43.45	-30.45
9.000 G	13.000 G	1.00 M	10.664000 G	-42.13	-29.13
13.000 G	18.000 G	1.00 M	17.645000 G	-40.35	-27.35

Date: 13.JAN.2015 10:58:02

Lowest Channel / 16QAM

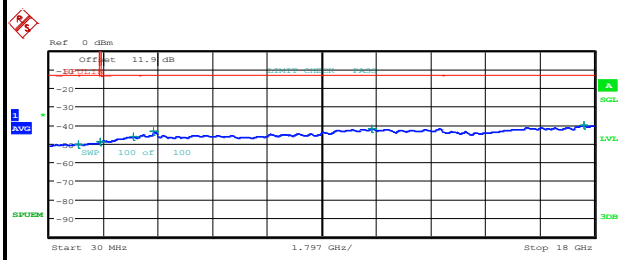


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	928.220000 M	-50.22	-37.22
1.000 G	1.700 G	1.00 M	1.693700 G	-48.49	-35.49
1.765 G	3.000 G	1.00 M	2.997530 G	-46.33	-33.33
3.000 G	9.000 G	1.00 M	3.420000 G	-43.68	-30.68
9.000 G	13.000 G	1.00 M	10.680000 G	-42.16	-29.16
13.000 G	18.000 G	1.00 M	17.645000 G	-40.42	-27.42

Date: 13.JAN.2015 10:59:13

LTE Band 4 / 20MHz

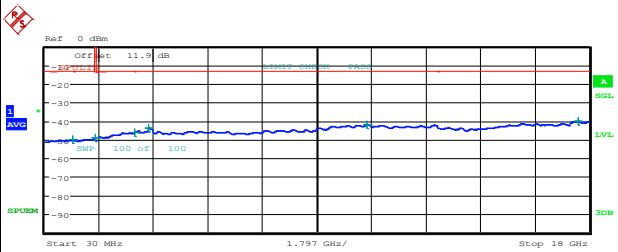
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	978.660000 M	-50.25	-37.25
1.000 G	1.700 G	1.00 M	1.696500 G	-49.08	-36.08
1.765 G	3.000 G	1.00 M	2.802400 G	-46.44	-33.44
3.000 G	9.000 G	1.00 M	3.444000 G	-43.49	-30.49
9.000 G	13.000 G	1.00 M	10.656000 G	-42.16	-29.16
13.000 G	18.000 G	1.00 M	17.650000 G	-40.37	-27.37

Date: 13.JAN.2015 11:01:10

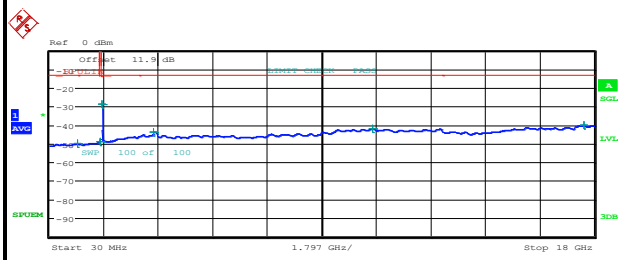
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	942.770000 M	-50.22	-37.22
1.000 G	1.700 G	1.00 M	1.688800 G	-49.15	-36.15
1.765 G	3.000 G	1.00 M	2.991355 G	-46.31	-33.31
3.000 G	9.000 G	1.00 M	3.444000 G	-43.96	-30.96
9.000 G	13.000 G	1.00 M	10.668000 G	-42.17	-29.17
13.000 G	18.000 G	1.00 M	17.640000 G	-40.35	-27.35

Date: 13.JAN.2015 11:02:19

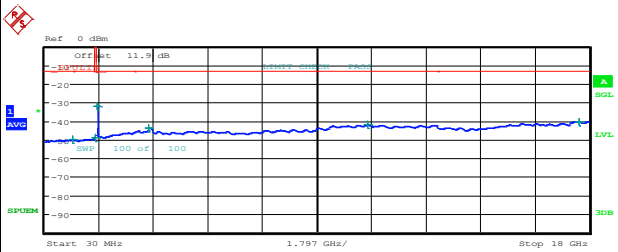
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	952.470000 M	-50.21	-37.21
1.000 G	1.700 G	1.00 M	1.698600 G	-49.17	-36.17
1.765 G	3.000 G	1.00 M	1.771175 G	-29.10	-16.10
3.000 G	9.000 G	1.00 M	3.468000 G	-43.69	-30.69
9.000 G	13.000 G	1.00 M	10.692000 G	-42.14	-29.14
13.000 G	18.000 G	1.00 M	17.655000 G	-40.29	-27.29

Date: 13.JAN.2015 11:08:56

Highest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	957.320000 M	-50.19	-37.19
1.000 G	1.700 G	1.00 M	1.690200 G	-49.19	-36.19
1.765 G	3.000 G	1.00 M	1.771175 G	-32.10	-19.10
3.000 G	9.000 G	1.00 M	3.468000 G	-44.03	-31.03
9.000 G	13.000 G	1.00 M	10.672000 G	-42.20	-29.20
13.000 G	18.000 G	1.00 M	17.645000 G	-40.38	-27.38

Date: 13.JAN.2015 11:10:06

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	0.0002	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.1 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

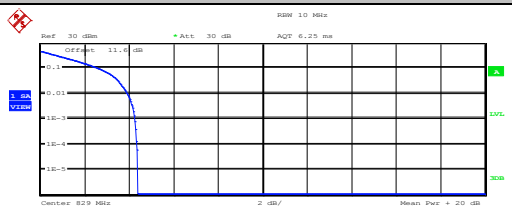
LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	4.26	5.93	5.74	6.57	PASS
Middle CH	6.19	6.19	6.67	6.73	
Highest CH	4.9	5.96	5.87	6.54	

LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.17 dBm
Peak	26.55 dBm
Crest	4.38 dB
10 %	2.60 dB
1 %	3.91 dB
.1 %	4.26 dB
.01 %	4.33 dB

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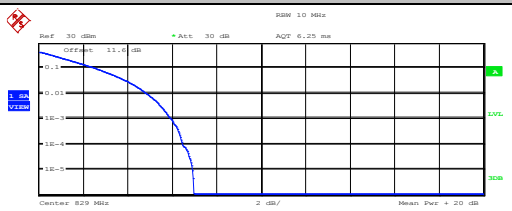
Lowest Channel / Full RB

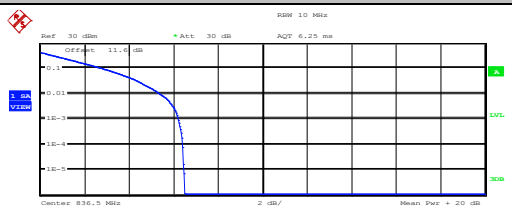


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.34 dBm
Peak	28.31 dBm
Crest	6.97 dB
10 %	2.56 dB
1 %	4.84 dB
.1 %	5.93 dB
.01 %	6.47 dB

Date: 12.JAN.2015 13:38:32

Middle Channel / 1RB

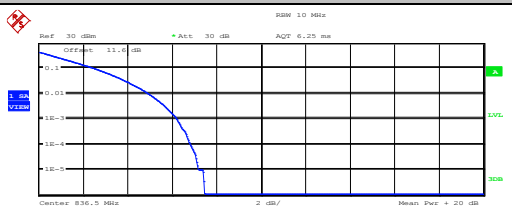


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.50 dBm
Peak	27.98 dBm
Crest	6.49 dB
10 %	2.79 dB
1 %	5.35 dB
.1 %	6.19 dB
.01 %	6.41 dB

Date: 12.JAN.2015 13:39:42

Middle Channel / Full RB

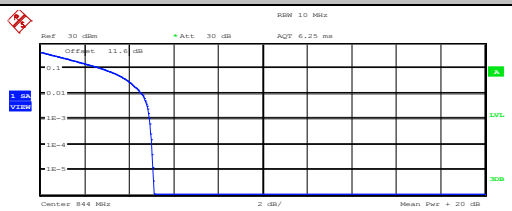


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.45 dBm
Peak	28.90 dBm
Crest	7.45 dB
10 %	2.50 dB
1 %	4.90 dB
.1 %	6.19 dB
.01 %	6.79 dB

Date: 12.JAN.2015 13:40:14

Highest Channel / 1RB

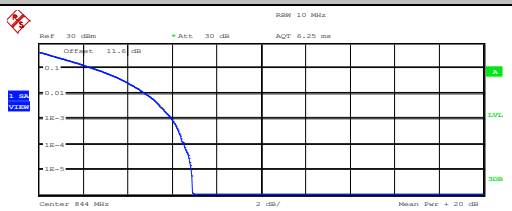


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.35 dBm
Peak	27.45 dBm
Crest	5.10 dB
10 %	2.76 dB
1 %	4.55 dB
.1 %	4.90 dB
.01 %	5.00 dB

Date: 12.JAN.2015 13:41:43

Highest Channel / Full RB



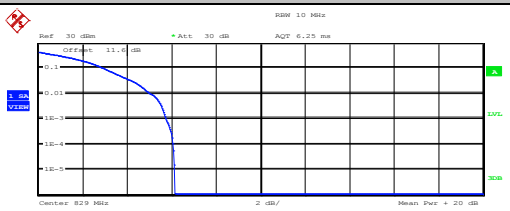
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.45 dBm
Peak	28.37 dBm
Crest	6.92 dB
10 %	2.47 dB
1 %	4.78 dB
.1 %	5.96 dB
.01 %	6.54 dB

Date: 12.JAN.2015 13:42:03

LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB

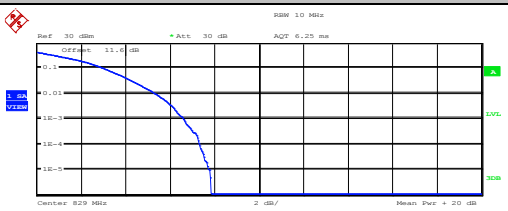


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.71 dBm
Peak	26.83 dBm
Crest	6.12 dB
10 %	2.92 dB
1 %	5.00 dB
.1 %	5.74 dB
.01 %	6.06 dB

Date: 12.JAN.2015 13:32:26

Lowest Channel / Full RB

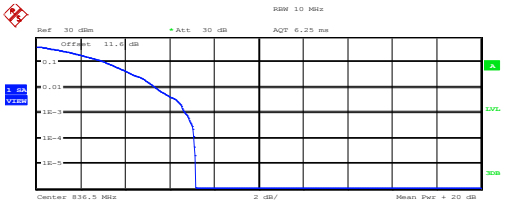


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.40 dBm
Peak	28.24 dBm
Crest	7.84 dB
10 %	3.01 dB
1 %	5.32 dB
.1 %	6.57 dB
.01 %	7.31 dB

Date: 12.JAN.2015 13:34:38

Middle Channel / 1RB

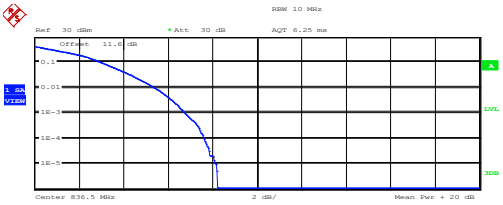


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.75 dBm
Peak	27.91 dBm
Crest	7.17 dB
10 %	3.11 dB
1 %	5.35 dB
.1 %	6.67 dB
.01 %	7.08 dB

Date: 12.JAN.2015 13:34:57

Middle Channel / Full RB

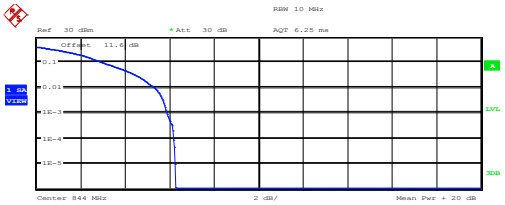


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.74 dBm
Peak	28.97 dBm
Crest	8.23 dB
10 %	2.98 dB
1 %	5.38 dB
.1 %	6.73 dB
.01 %	7.60 dB

Date: 12.JAN.2015 13:36:26

Highest Channel / 1RB

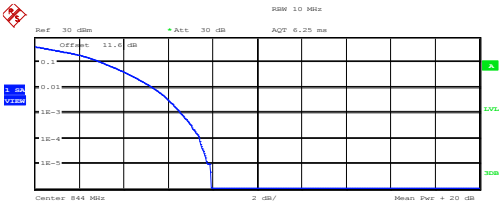


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.63 dBm
Peak	27.88 dBm
Crest	6.25 dB
10 %	2.98 dB
1 %	5.29 dB
.1 %	5.87 dB
.01 %	6.19 dB

Date: 12.JAN.2015 13:36:51

Highest Channel / Full RB



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.50 dBm
Peak	28.44 dBm
Crest	7.94 dB
10 %	3.01 dB
1 %	5.29 dB
.1 %	6.54 dB
.01 %	7.40 dB

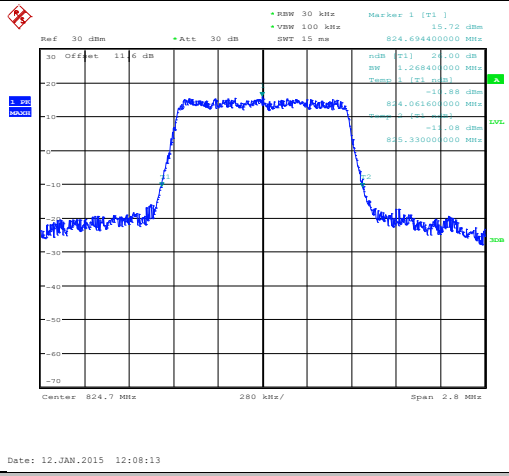
Date: 12.JAN.2015 13:37:54

26dB Bandwidth

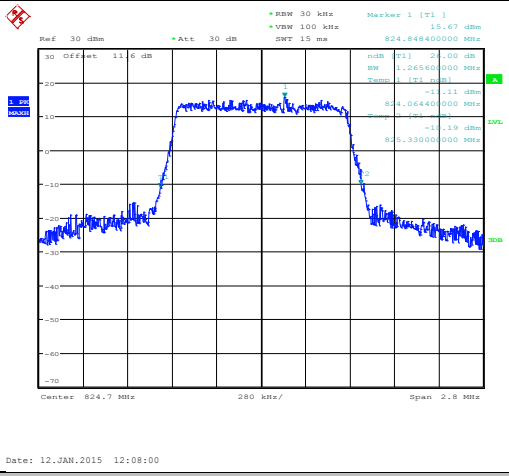
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.27	1.27	3.01	3.02	4.99	5	10.08	10.04	-	-	-	-
Middle CH	1.26	1.25	3	2.99	4.92	4.94	10	10.08	-	-	-	-
Highest CH	1.26	1.27	3.02	3	5.01	5.02	10.14	10	-	-	-	-

LTE Band 5

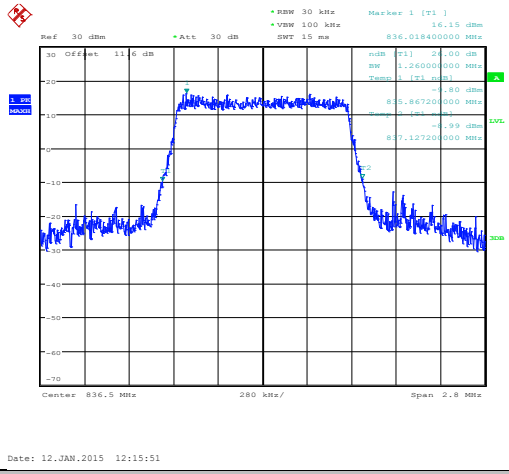
Lowest Channel / 1.4MHz / QPSK



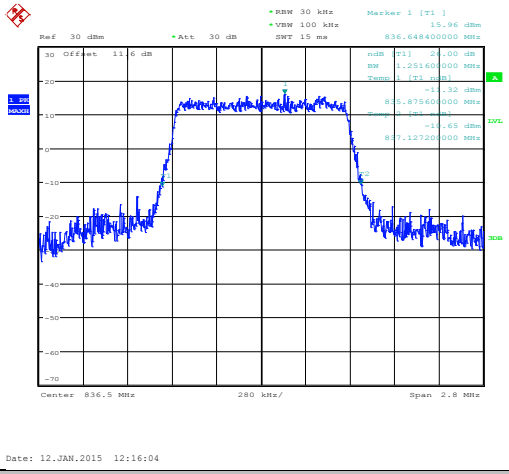
Lowest Channel / 1.4MHz / 16QAM



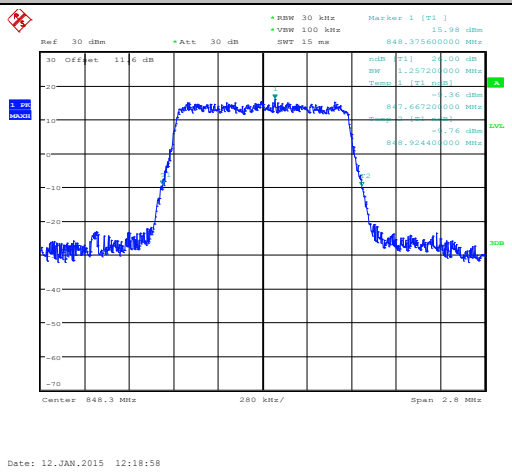
Middle Channel / 1.4MHz / QPSK



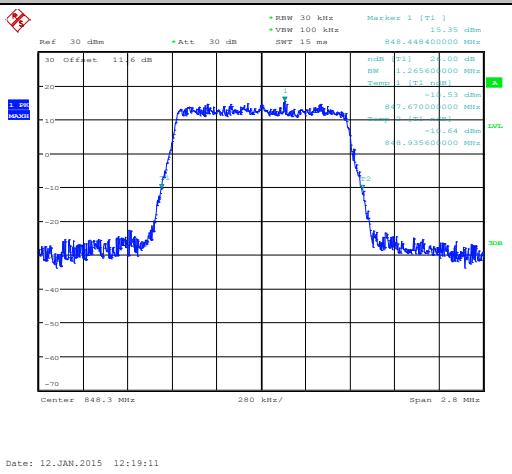
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

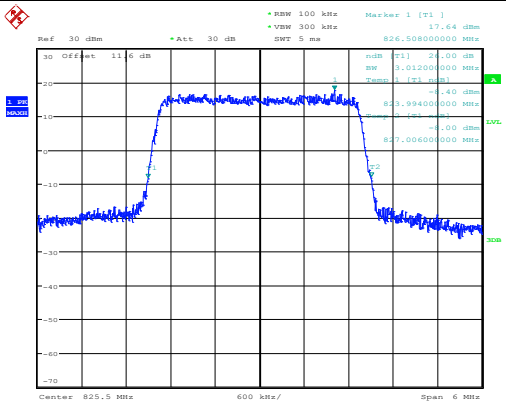


Highest Channel / 1.4MHz / 16QAM

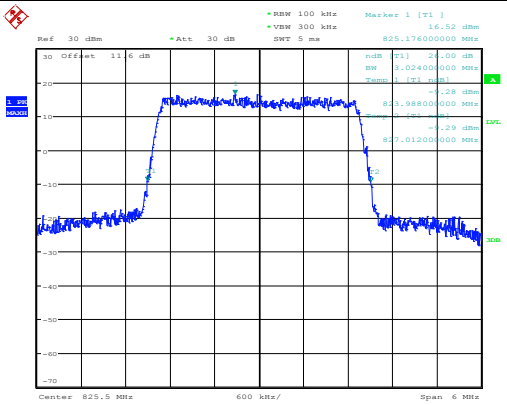


LTE Band 5

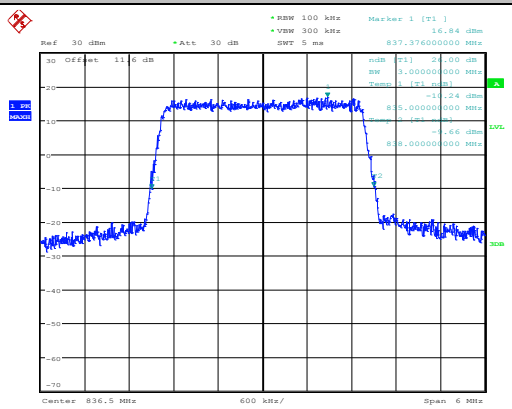
Lowest Channel / 3MHz / QPSK



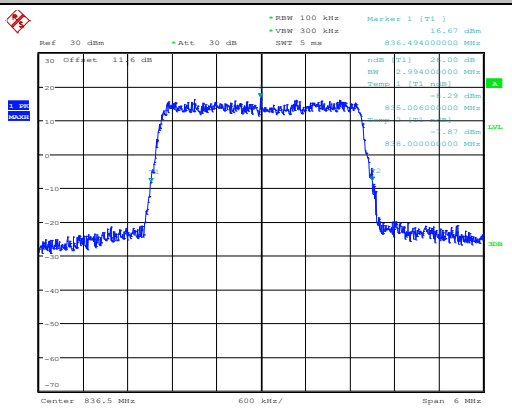
Lowest Channel / 3MHz / 16QAM



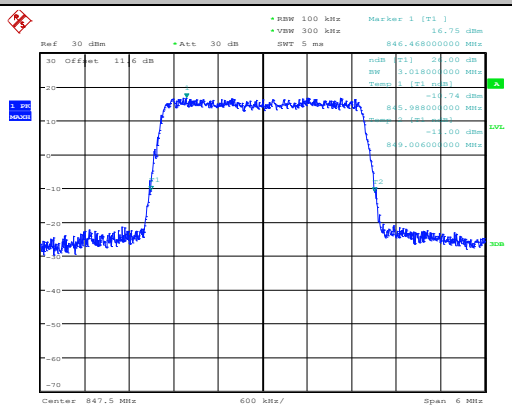
Middle Channel / 3MHz / QPSK



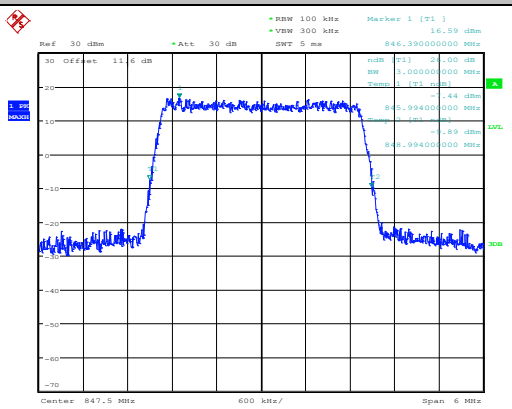
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

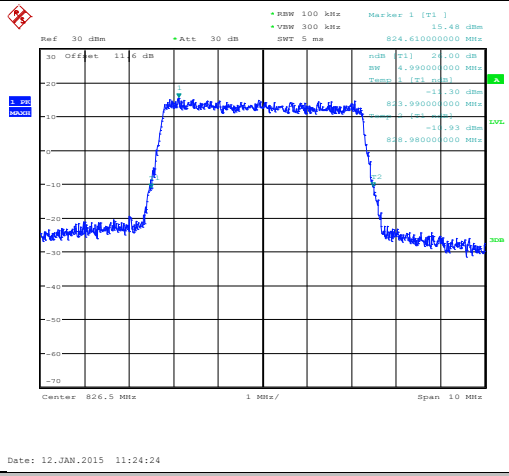


Highest Channel /3MHz / 16QAM

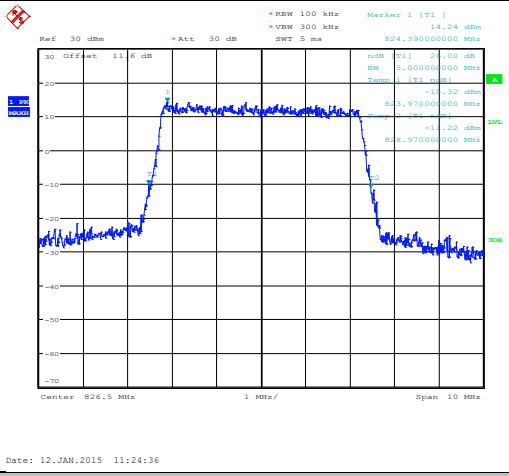


LTE Band 5

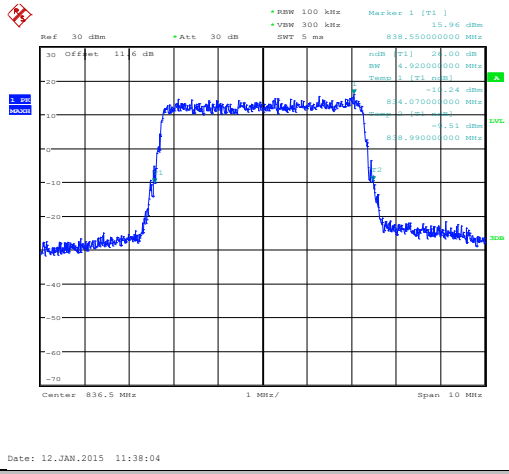
Lowest Channel / 5MHz / QPSK



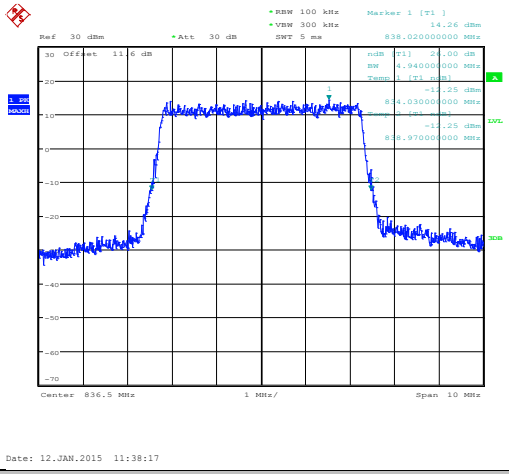
Lowest Channel / 5MHz / 16QAM



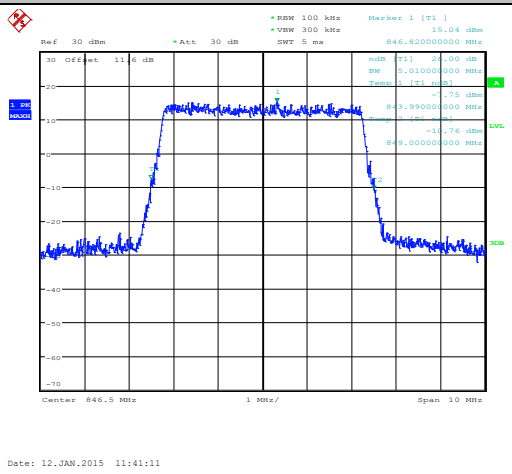
Middle Channel / 5MHz / QPSK



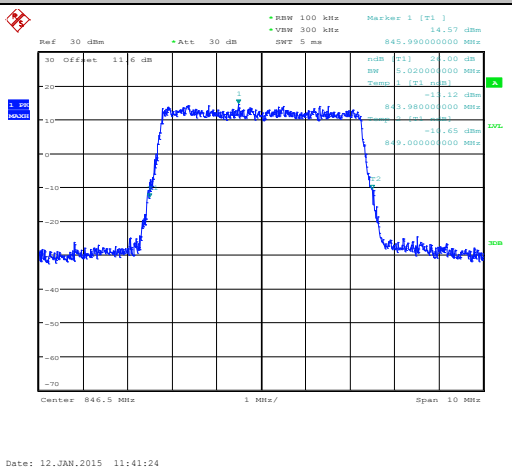
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

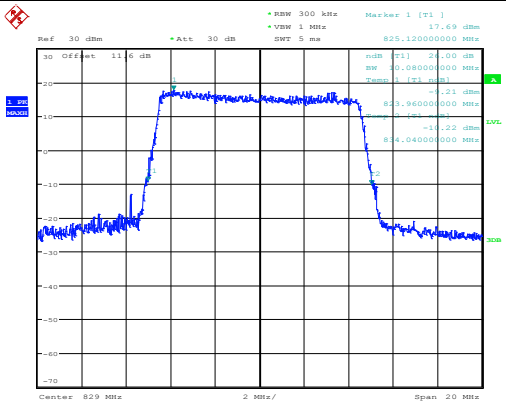


Highest Channel / 5MHz / 16QAM

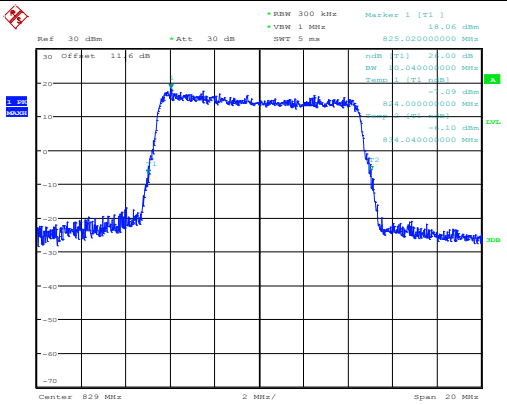


LTE Band 5

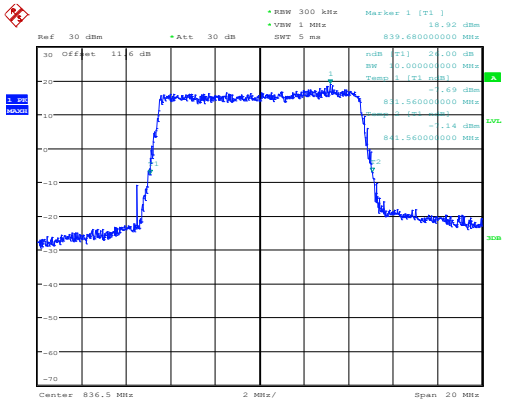
Lowest Channel / 10MHz / QPSK



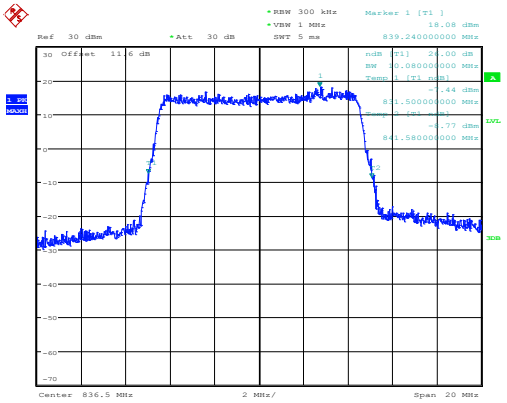
Lowest Channel / 10MHz / 16QAM



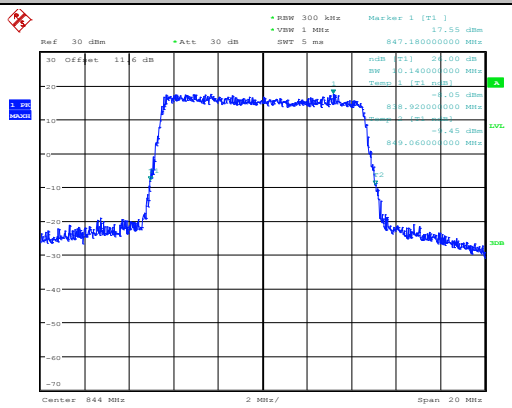
Middle Channel / 10MHz / QPSK



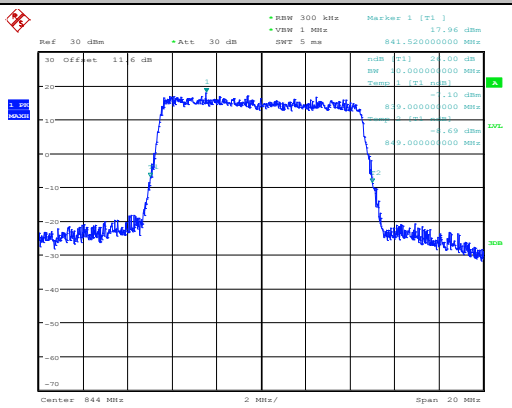
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

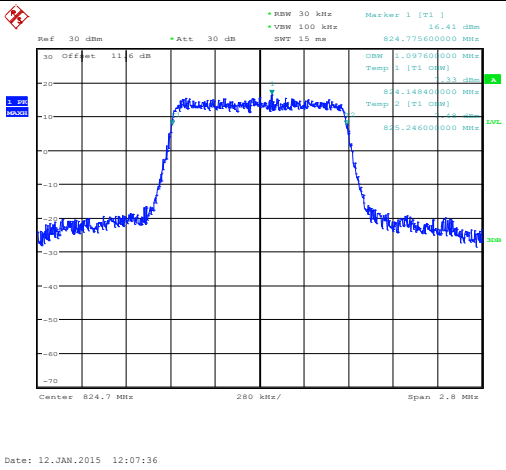


Occupied Bandwidth

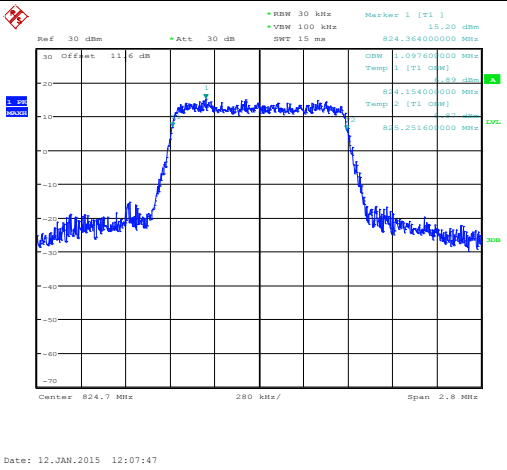
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.1	2.72	2.72	4.5	4.51	9.1	9.06	-	-	-	-
Middle CH	1.09	1.09	2.73	2.73	4.5	4.5	9.1	9.06	-	-	-	-
Highest CH	1.1	1.1	2.72	2.72	4.5	4.51	9.08	9.06	-	-	-	-

LTE Band 5

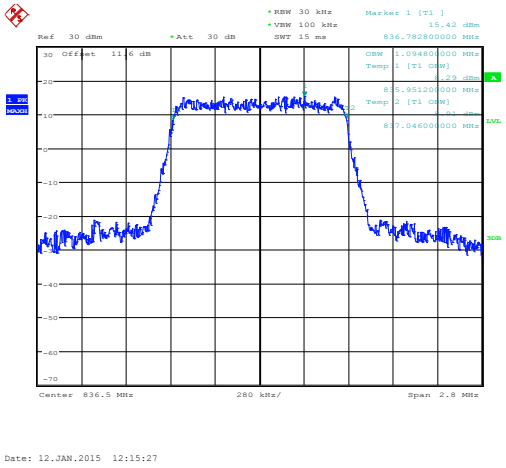
Lowest Channel / 1.4MHz / QPSK



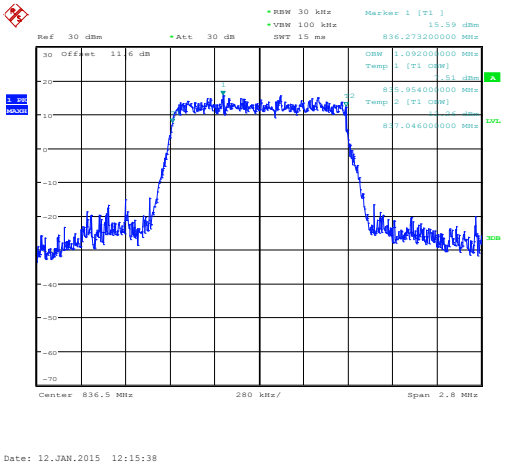
Lowest Channel / 1.4MHz / 16QAM



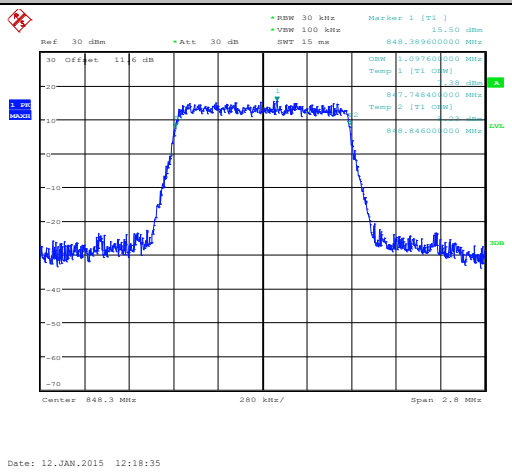
Middle Channel / 1.4MHz / QPSK



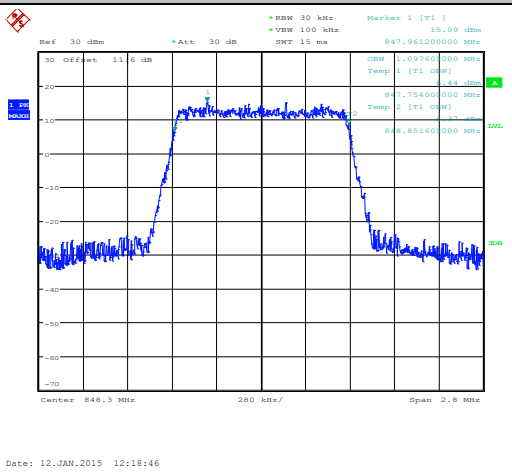
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

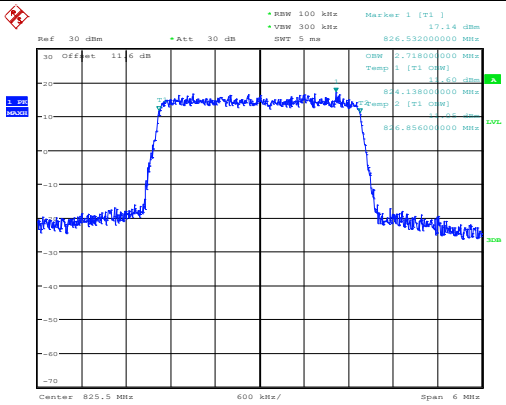


Highest Channel / 1.4MHz / 16QAM



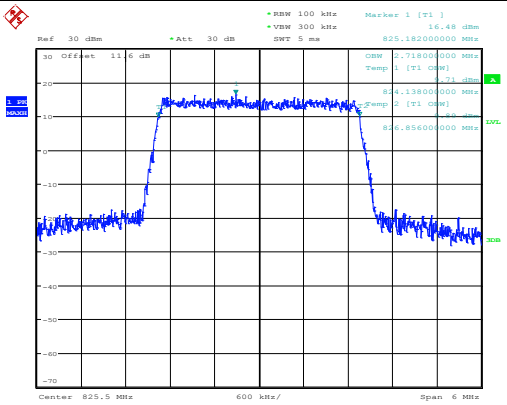
LTE Band 5

Lowest Channel / 3MHz / QPSK



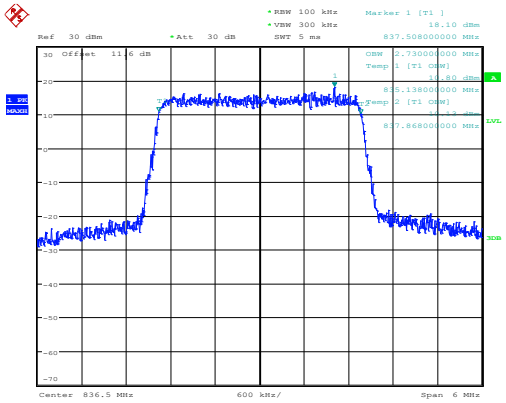
Date: 12.JAN.2015 11:00:20

Lowest Channel / 3MHz / 16QAM



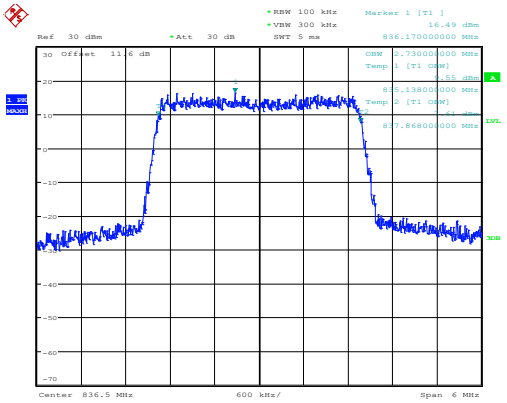
Date: 12.JAN.2015 11:00:31

Middle Channel / 3MHz / QPSK



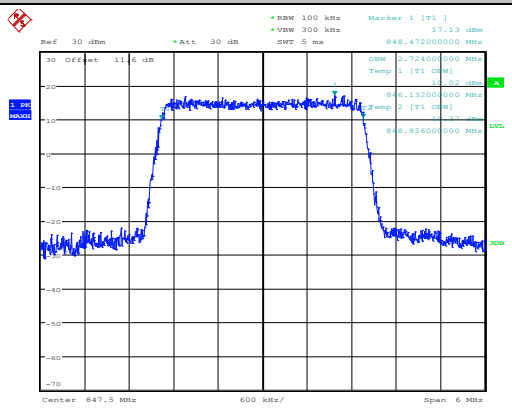
Date: 12.JAN.2015 11:08:07

Middle Channel / 3MHz / 16QAM



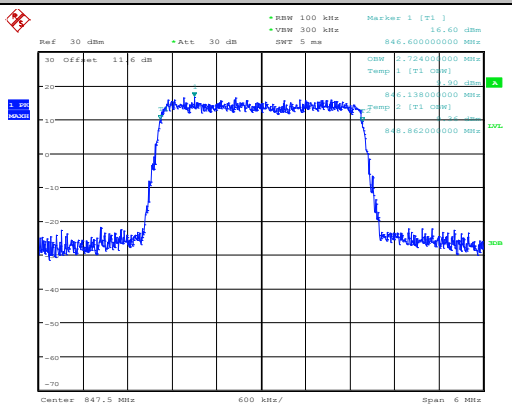
Date: 12.JAN.2015 11:08:17

Highest Channel / 3MHz / QPSK



Date: 12.JAN.2015 11:11:14

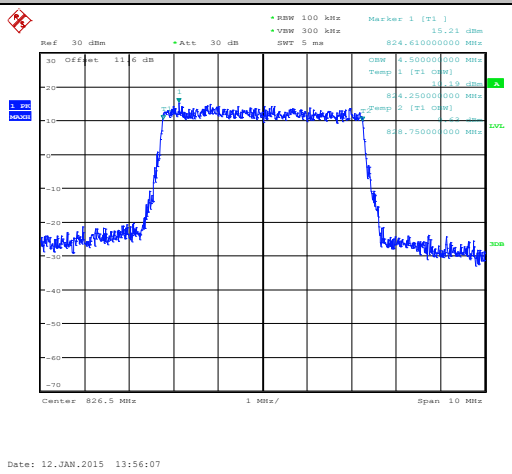
Highest Channel / 3MHz / 16QAM



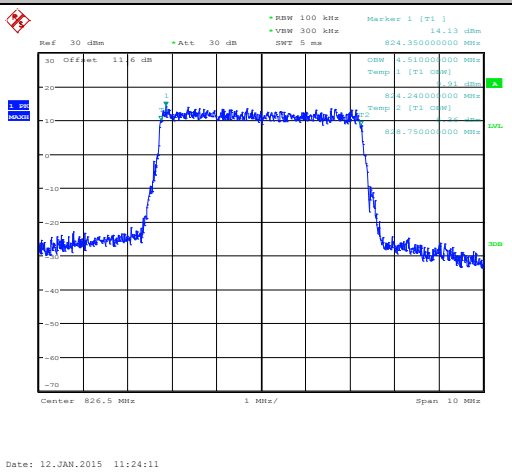
Date: 12.JAN.2015 11:11:25

LTE Band 5

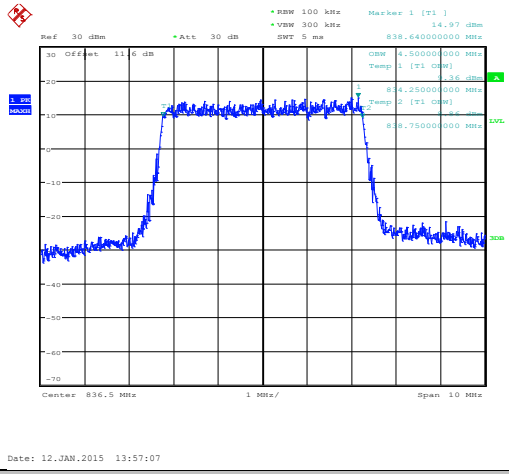
Lowest Channel / 5MHz / QPSK



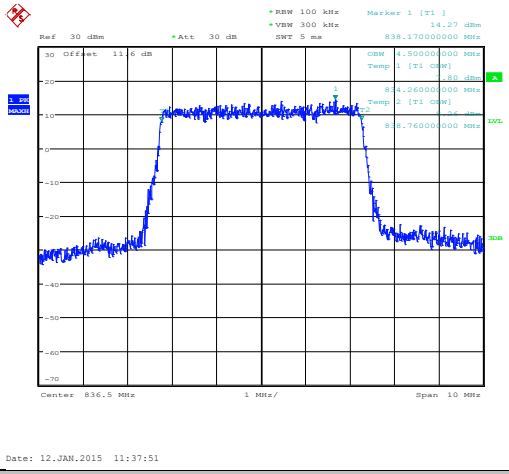
Lowest Channel / 5MHz / 16QAM



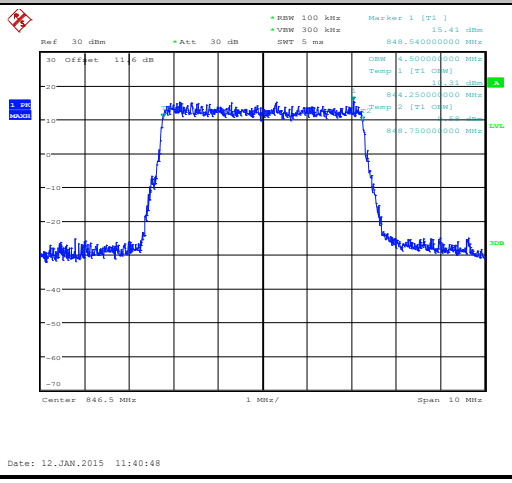
Middle Channel / 5MHz / QPSK



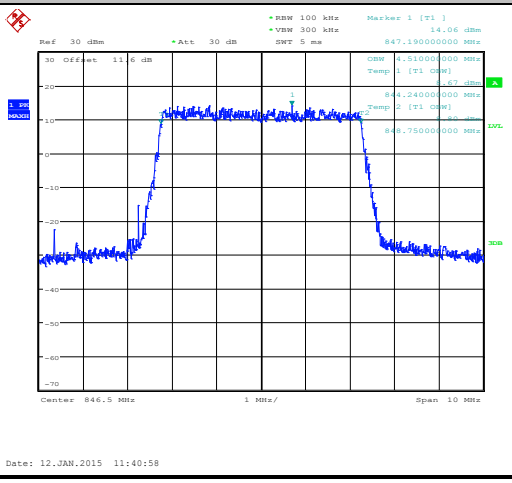
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

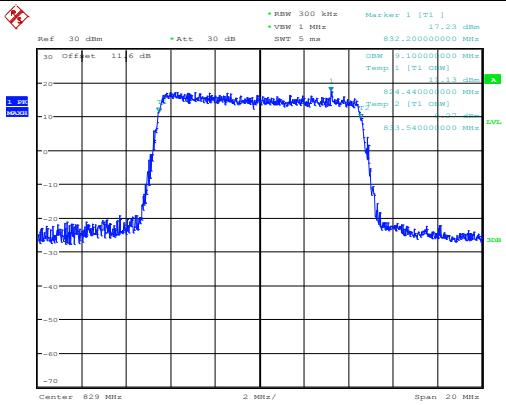


Highest Channel / 5MHz / 16QAM



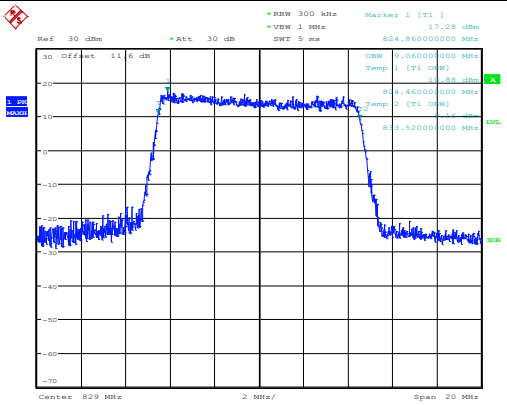
LTE Band 5

Lowest Channel / 10MHz / QPSK



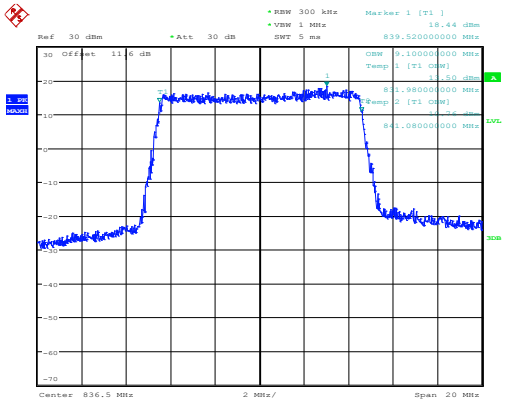
Date: 12.JAN.2015 14:00:05

Lowest Channel / 10MHz / 16QAM



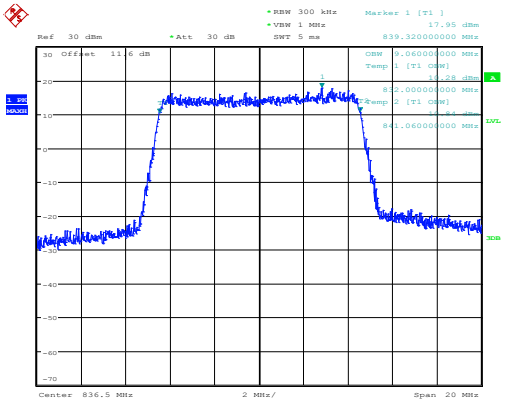
Date: 12.JAN.2015 11:49:02

Middle Channel / 10MHz / QPSK



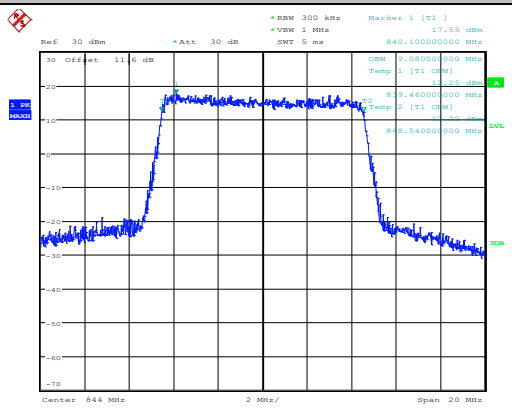
Date: 12.JAN.2015 11:56:39

Middle Channel / 10MHz / 16QAM



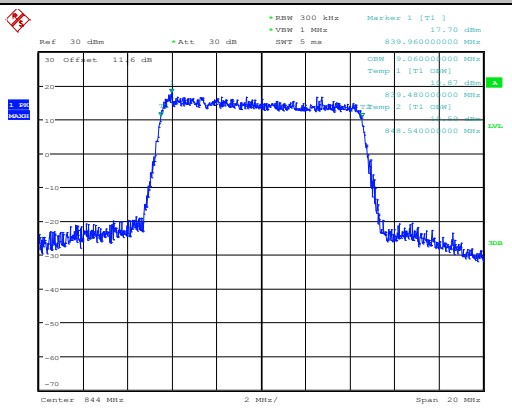
Date: 12.JAN.2015 11:56:50

Highest Channel / 10MHz / QPSK



Date: 12.JAN.2015 11:59:46

Highest Channel / 10MHz / 16QAM

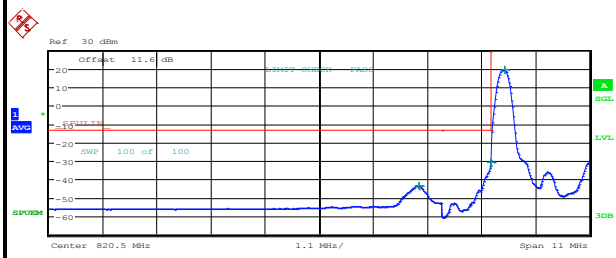


Date: 12.JAN.2015 11:59:57

Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

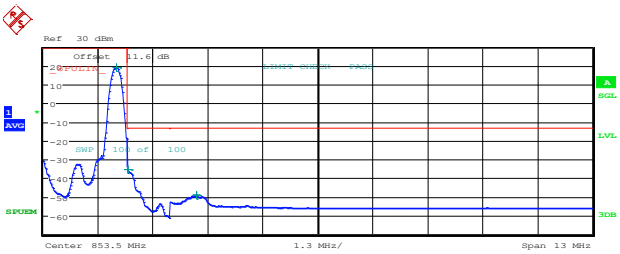
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.536000 M	-43.67	-30.67
823.000 M	824.000 M	20.00 k	823.996000 M	-30.65	-17.65
824.000 M	826.000 M	100.00 k	824.268000 M	19.21	-10.79

Date: 12.JAN.2015 12:09:22

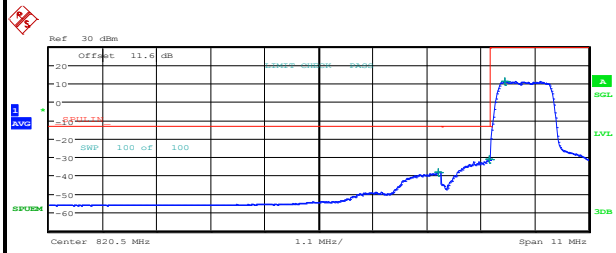
Highest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
847.000 M	849.000 M	100.00 k	848.736000 M	19.01	-10.99
849.000 M	850.000 M	20.00 k	849.001000 M	-35.39	-22.39
850.000 M	860.000 M	100.00 k	850.620000 M	-49.28	-36.28

Date: 12.JAN.2015 12:22:41

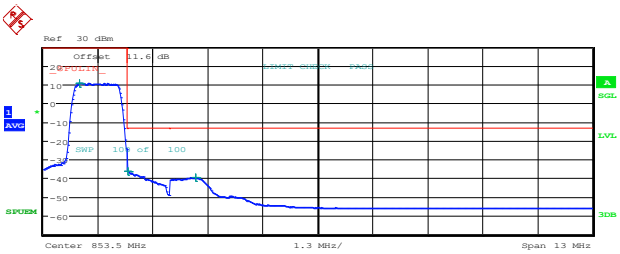
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.928000 M	-38.29	-25.29
823.000 M	824.000 M	20.00 k	823.972000 M	-31.11	-18.11
824.000 M	826.000 M	100.00 k	824.294000 M	10.98	-19.02

Date: 12.JAN.2015 12:11:42

Highest Band Edge / Full RB

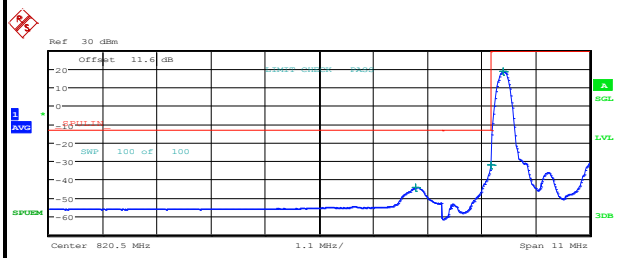


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
847.000 M	849.000 M	100.00 k	847.852000 M	10.65	-19.35
849.000 M	850.000 M	20.00 k	849.002000 M	-36.63	-23.63
850.000 M	860.000 M	100.00 k	850.600000 M	-39.80	-26.80

Date: 12.JAN.2015 12:20:21

LTE Band 5 / 1.4MHz / 16QAM

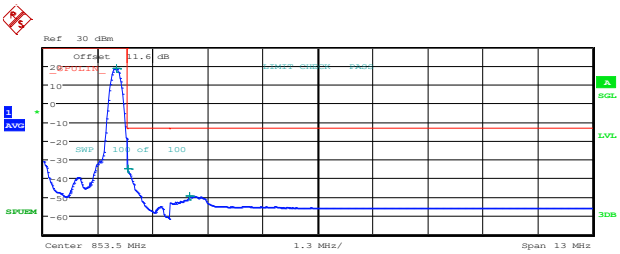
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.464000 M	-44.27	-31.27
823.000 M	824.000 M	20.00 k	823.999000 M	-32.28	-19.28
824.000 M	826.000 M	100.00 k	824.240000 M	18.41	-11.59

Date: 12.JAN.2015 12:10:32

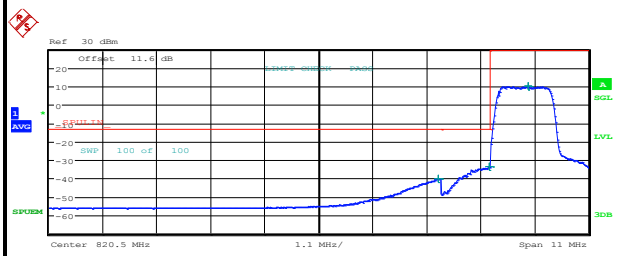
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
847.000 M	849.000 M	100.00 k	848.720000 M	18.31	-11.69
849.000 M	850.000 M	20.00 k	849.006000 M	-34.97	-21.97
850.000 M	860.000 M	100.00 k	850.450000 M	-49.57	-36.57

Date: 12.JAN.2015 12:23:51

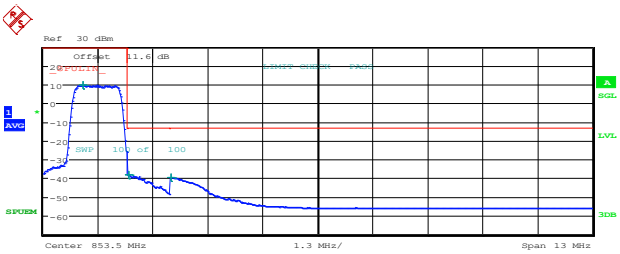
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.936000 M	-40.36	-27.36
823.000 M	824.000 M	20.00 k	823.970000 M	-33.66	-20.66
824.000 M	826.000 M	100.00 k	824.760000 M	10.04	-19.96

Date: 12.JAN.2015 12:12:53

Highest Band Edge / Full RB

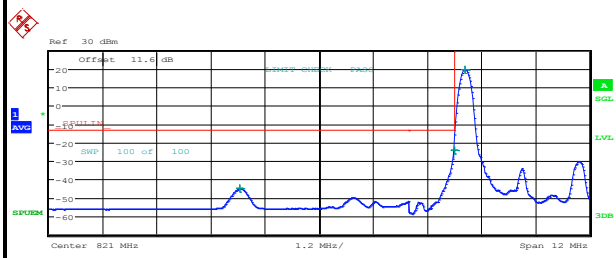


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
847.000 M	849.000 M	100.00 k	847.938000 M	9.63	-20.37
849.000 M	850.000 M	20.00 k	849.019000 M	-38.49	-25.49
850.000 M	860.000 M	100.00 k	850.030000 M	-39.82	-26.82

Date: 12.JAN.2015 12:21:31

LTE Band 5 / 3MHz / QPSK

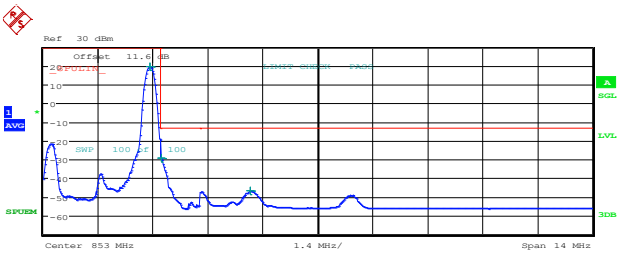
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	819.224000 M	-44.72	-31.72
823.000 M	824.000 M	30.00 k	823.996000 M	-24.00	-11.00
824.000 M	827.000 M	100.00 k	824.228000 M	19.37	-10.63

Date: 12.JAN.2015 11:02:06

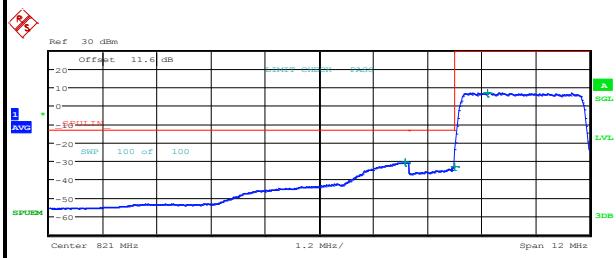
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
846.000 M	849.000 M	100.00 k	848.706000 M	19.43	-10.57
849.000 M	850.000 M	30.00 k	849.005000 M	-29.20	-16.20
850.000 M	860.000 M	100.00 k	851.270000 M	-46.80	-33.80

Date: 12.JAN.2015 11:13:00

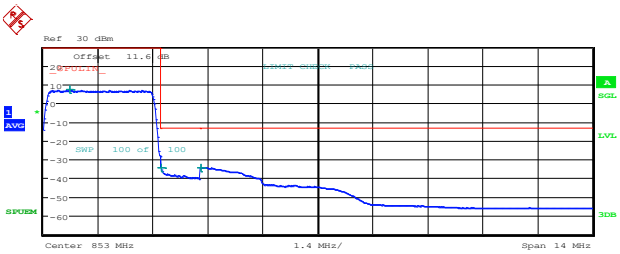
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.904000 M	-30.96	-17.96
823.000 M	824.000 M	30.00 k	823.999000 M	-33.37	-20.37
824.000 M	827.000 M	100.00 k	824.738000 M	6.97	-23.03

Date: 12.JAN.2015 11:04:26

Highest Band Edge / Full RB

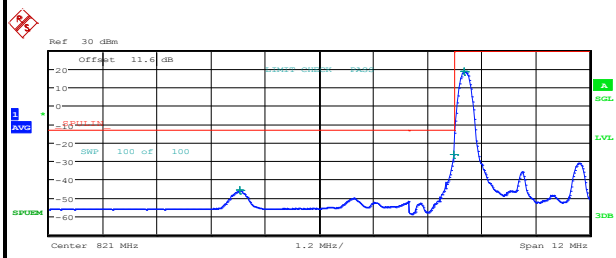


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
846.000 M	849.000 M	100.00 k	846.678000 M	7.23	-22.77
849.000 M	850.000 M	30.00 k	849.001000 M	-34.59	-21.59
850.000 M	860.000 M	100.00 k	850.020000 M	-34.49	-21.49

Date: 12.JAN.2015 11:15:20

LTE Band 5 / 3MHz / 16QAM

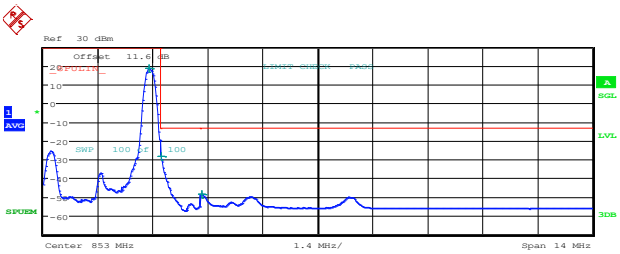
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	819.232000 M	-45.94	-32.94
823.000 M	824.000 M	30.00 k	823.990000 M	-26.46	-13.46
824.000 M	827.000 M	100.00 k	824.213000 M	18.27	-11.73

Date: 12.JAN.2015 11:03:16

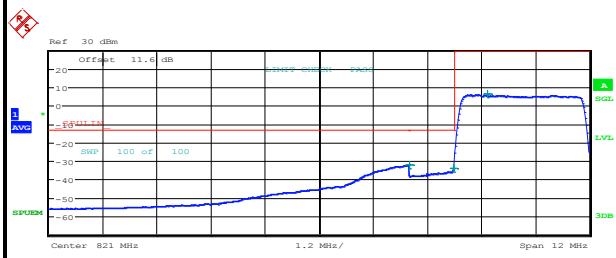
Highest Band Edge /1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
846.000 M	849.000 M	100.00 k	848.703000 M	18.56	-11.44
849.000 M	850.000 M	30.00 k	849.011000 M	-28.60	-15.60
850.000 M	860.000 M	100.00 k	850.030000 M	-48.72	-35.72

Date: 12.JAN.2015 11:14:10

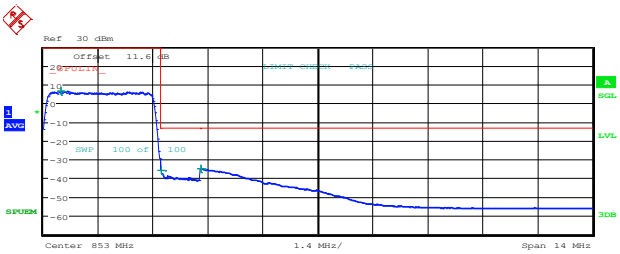
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	823.000000 M	-32.21	-19.21
823.000 M	824.000 M	30.00 k	823.983000 M	-34.27	-21.27
824.000 M	827.000 M	100.00 k	824.732000 M	6.12	-23.88

Date: 12.JAN.2015 11:05:36

Highest Band Edge / Full RB

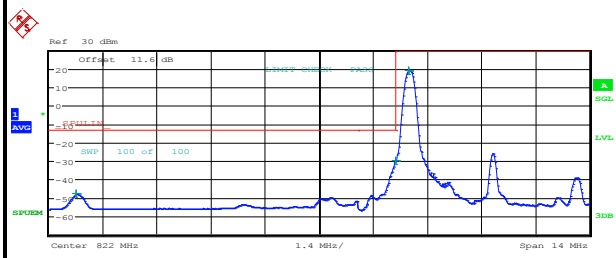


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
846.000 M	849.000 M	100.00 k	846.444000 M	6.26	-23.74
849.000 M	850.000 M	30.00 k	849.001000 M	-36.14	-23.14
850.000 M	860.000 M	100.00 k	850.010000 M	-35.14	-22.14

Date: 12.JAN.2015 11:16:30

LTE Band 5 / 5MHz / QPSK

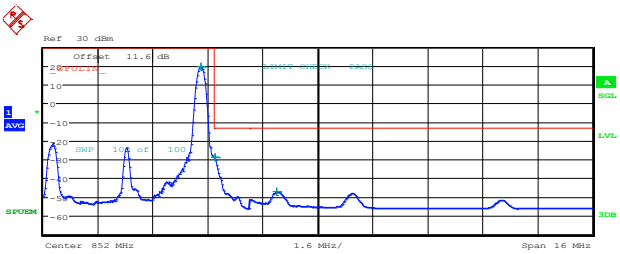
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	815.704000 M	-47.91	-34.91
823.000 M	824.000 M	50.00 k	823.977000 M	-29.75	-16.75
824.000 M	829.000 M	100.00 k	824.320000 M	19.11	-10.89

Date: 12.JAN.2015 11:25:46

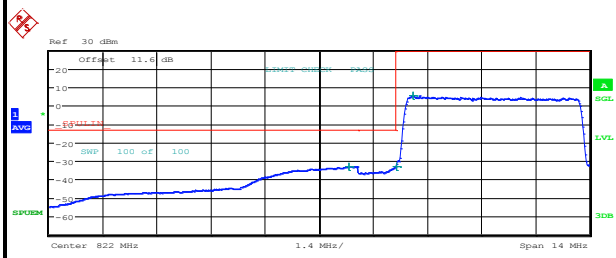
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	848.590000 M	19.29	-10.71
849.000 M	850.000 M	50.00 k	849.009000 M	-29.04	-16.04
850.000 M	860.000 M	100.00 k	850.800000 M	-47.26	-34.26

Date: 12.JAN.2015 11:42:34

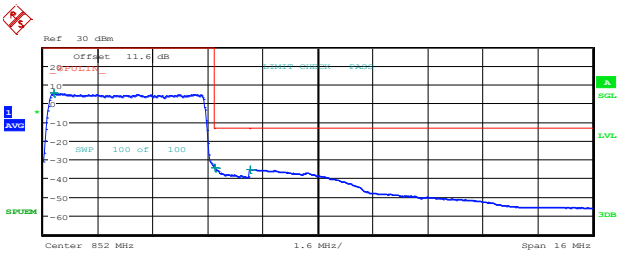
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.752000 M	-33.22	-20.22
823.000 M	824.000 M	50.00 k	823.999000 M	-33.19	-20.19
824.000 M	829.000 M	100.00 k	824.415000 M	5.43	-24.57

Date: 12.JAN.2015 11:28:06

Highest Band Edge / Full RB

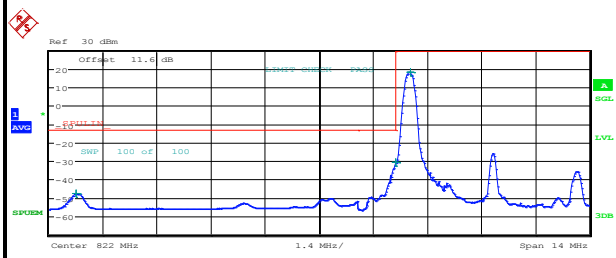


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	844.305000 M	5.14	-24.86
849.000 M	850.000 M	50.00 k	849.011000 M	-34.35	-21.35
850.000 M	860.000 M	100.00 k	850.030000 M	-35.28	-22.28

Date: 12.JAN.2015 11:44:54

LTE Band 5 / 5MHz / 16QAM

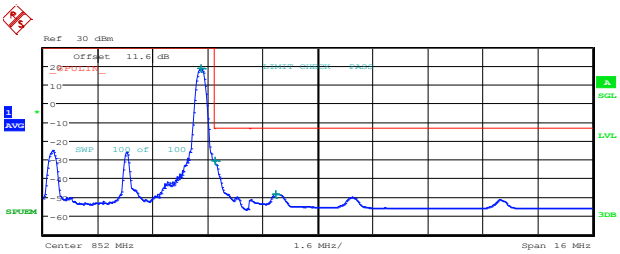
Lowest Band Edge / 1RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	815.688000 M	-47.93	-34.93
823.000 M	824.000 M	50.00 k	823.976000 M	-30.78	-17.78
824.000 M	829.000 M	100.00 k	824.355000 M	18.05	-11.95

Date: 12.JAN.2015 11:26:56

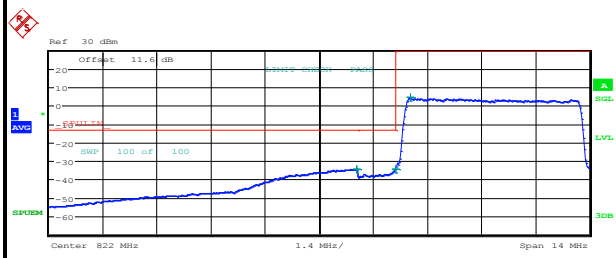
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	848.580000 M	18.39	-11.61
849.000 M	850.000 M	50.00 k	849.009000 M	-30.58	-17.58
850.000 M	860.000 M	100.00 k	850.760000 M	-48.46	-35.46

Date: 12.JAN.2015 11:43:44

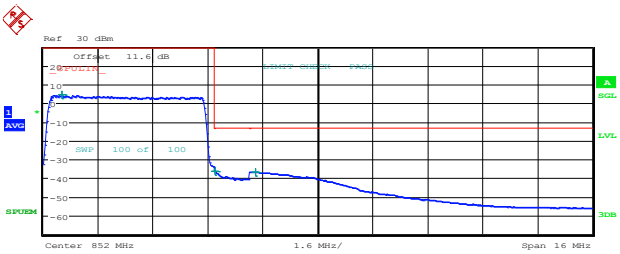
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.960000 M	-34.40	-21.40
823.000 M	824.000 M	50.00 k	823.971000 M	-34.46	-21.46
824.000 M	829.000 M	100.00 k	824.355000 M	4.23	-25.77

Date: 12.JAN.2015 11:29:16

Highest Band Edge / Full RB

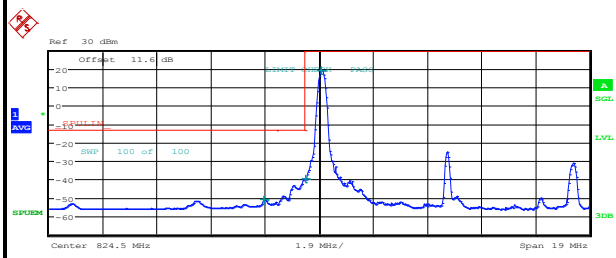


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	844.545000 M	4.25	-25.75
849.000 M	850.000 M	50.00 k	849.009000 M	-36.60	-23.60
850.000 M	860.000 M	100.00 k	850.170000 M	-36.69	-23.69

Date: 12.JAN.2015 11:46:04

LTE Band 5 / 10MHz / QPSK

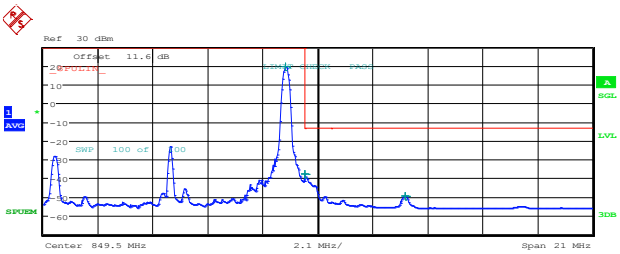
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.552000 M	-50.76	-37.76
823.000 M	824.000 M	100.00 k	823.998000 M	-39.51	-26.51
824.000 M	834.000 M	100.00 k	824.560000 M	19.20	-10.80

Date: 12.JAN.2015 11:50:38

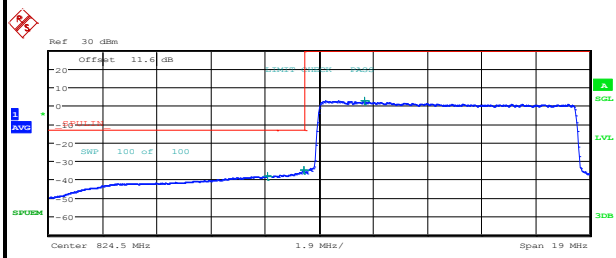
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
839.000 M	849.000 M	100.00 k	848.250000 M	19.65	-10.35
849.000 M	850.000 M	100.00 k	849.004000 M	-37.81	-24.81
850.000 M	860.000 M	100.00 k	852.820000 M	-49.64	-36.64

Date: 12.JAN.2015 12:01:32

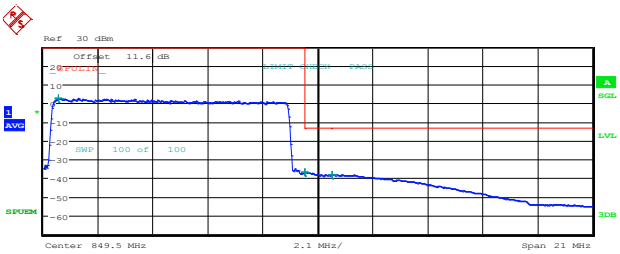
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.680000 M	-38.09	-25.09
823.000 M	824.000 M	100.00 k	823.960000 M	-35.19	-22.19
824.000 M	834.000 M	100.00 k	826.080000 M	2.43	-27.57

Date: 12.JAN.2015 11:52:58

Highest Band Edge / Full RB

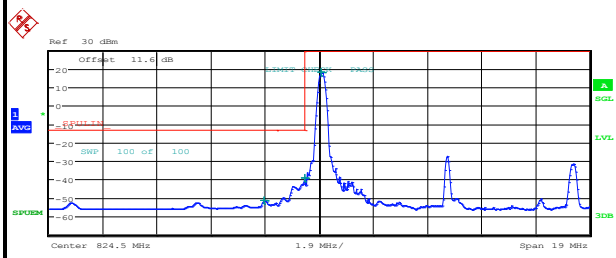


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
839.000 M	849.000 M	100.00 k	839.560000 M	2.41	-27.59
849.000 M	850.000 M	100.00 k	849.006000 M	-36.71	-23.71
850.000 M	860.000 M	100.00 k	850.050000 M	-38.11	-25.11

Date: 12.JAN.2015 12:03:52

LTE Band 5 / 10MHz / 16QAM

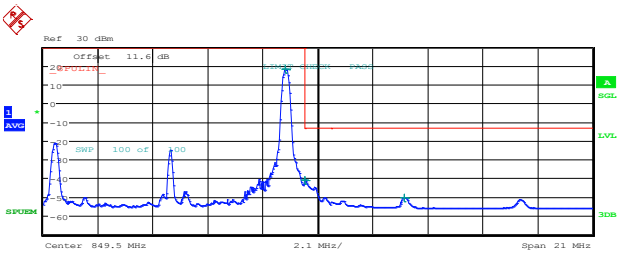
Lowest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.560000 M	-51.55	-38.55
823.000 M	824.000 M	100.00 k	823.996000 M	-39.11	-26.11
824.000 M	834.000 M	100.00 k	824.550000 M	17.99	-12.01

Date: 12.JAN.2015 11:51:48

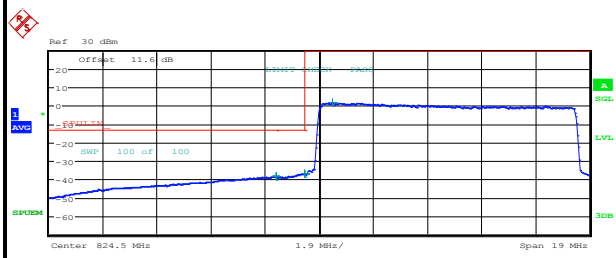
Highest Band Edge / 1 RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
839.000 M	849.000 M	100.00 k	848.270000 M	17.97	-12.03
849.000 M	850.000 M	100.00 k	849.003000 M	-41.16	-28.16
850.000 M	860.000 M	100.00 k	852.810000 M	-50.51	-37.51

Date: 12.JAN.2015 12:02:42

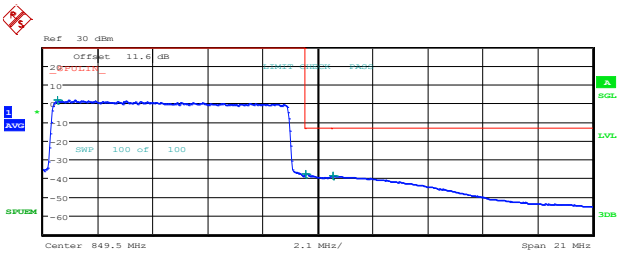
Lowest Band Edge / Full RB



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
815.000 M	823.000 M	100.00 k	822.968000 M	-38.38	-25.38
823.000 M	824.000 M	100.00 k	823.990000 M	-36.72	-23.72
824.000 M	834.000 M	100.00 k	824.960000 M	1.43	-28.57

Date: 12.JAN.2015 11:54:08

Highest Band Edge / Full RB



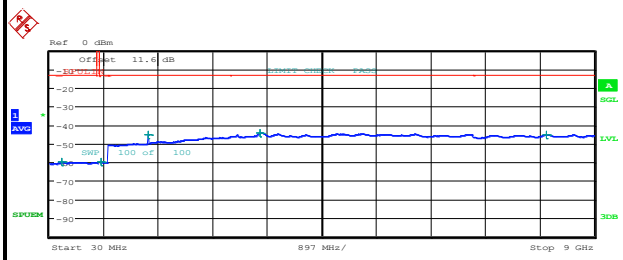
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
839.000 M	849.000 M	100.00 k	839.540000 M	1.49	-28.51
849.000 M	850.000 M	100.00 k	849.038000 M	-37.70	-24.70
850.000 M	860.000 M	100.00 k	850.080000 M	-38.90	-25.90

Date: 12.JAN.2015 12:05:01

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

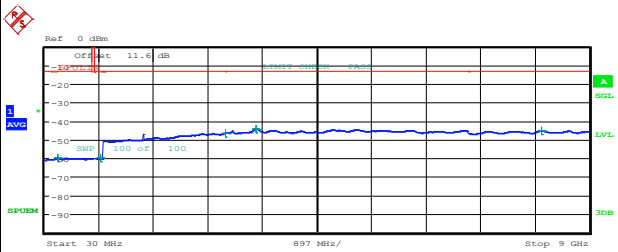
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	238.025000 M	-60.09	-47.09
860.000 M	1.000 G	100.00 k	871.760000 M	-60.07	-47.07
1.000 G	3.000 G	1.00 M	1.648000 G	-45.50	-32.50
3.000 G	7.000 G	1.00 M	3.500000 G	-44.40	-31.40
7.000 G	9.000 G	1.00 M	8.204000 G	-45.28	-32.28

Date: 12.JAN.2015 12:14:05

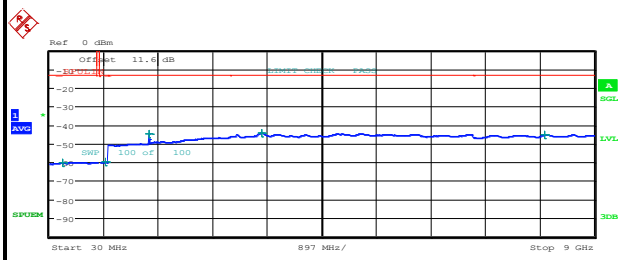
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	239.595000 M	-59.99	-46.99
860.000 M	1.000 G	100.00 k	947.640000 M	-60.04	-47.04
1.000 G	3.000 G	1.00 M	3.000000 G	-46.77	-33.77
3.000 G	7.000 G	1.00 M	3.508000 G	-44.37	-31.37
7.000 G	9.000 G	1.00 M	8.212000 G	-45.28	-32.28

Date: 12.JAN.2015 12:15:16

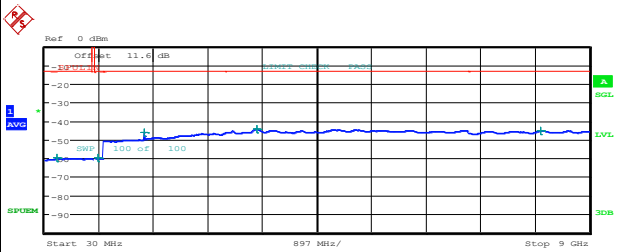
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	249.015000 M	-60.10	-47.10
860.000 M	1.000 G	100.00 k	952.820000 M	-60.01	-47.01
1.000 G	3.000 G	1.00 M	1.672000 G	-45.01	-32.01
3.000 G	7.000 G	1.00 M	3.520000 G	-44.40	-31.40
7.000 G	9.000 G	1.00 M	8.186000 G	-45.29	-32.29

Date: 12.JAN.2015 12:17:13

Middle Channel / 16QAM

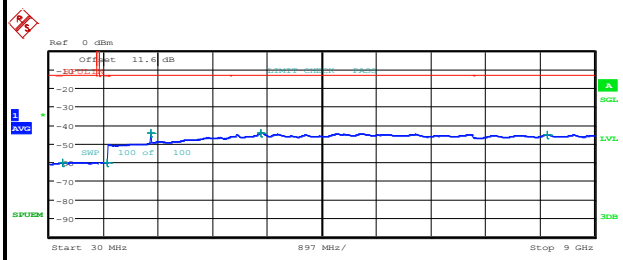


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	237.240000 M	-60.01	-47.01
860.000 M	1.000 G	100.00 k	910.540000 M	-60.02	-47.02
1.000 G	3.000 G	1.00 M	1.672000 G	-46.13	-33.13
3.000 G	7.000 G	1.00 M	3.516000 G	-44.42	-31.42
7.000 G	9.000 G	1.00 M	8.196000 G	-45.30	-32.30

Date: 12.JAN.2015 12:18:24

LTE Band 5 / 1.4MHz

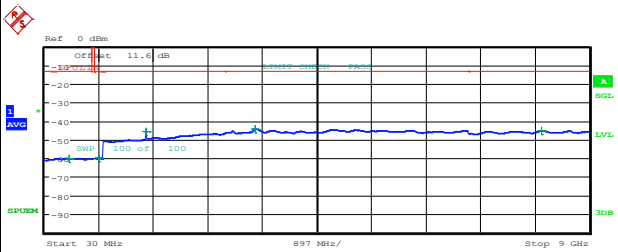
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	238.810000 M	-60.17	-47.17
860.000 M	1.000 G	100.00 k	976.060000 M	-60.20	-47.20
1.000 G	3.000 G	1.00 M	1.696000 G	-44.27	-31.27
3.000 G	7.000 G	1.00 M	3.512000 G	-44.38	-31.38
7.000 G	9.000 G	1.00 M	8.218000 G	-45.29	-32.29

Date: 12.JAN.2015 12:25:00

Highest Channel / 16QAM

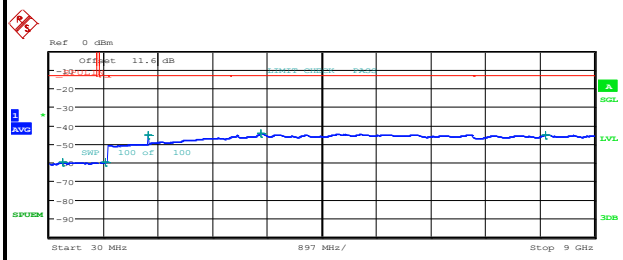


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	429.565000 M	-60.20	-47.20
860.000 M	1.000 G	100.00 k	917.680000 M	-59.87	-46.87
1.000 G	3.000 G	1.00 M	1.696000 G	-45.91	-32.91
3.000 G	7.000 G	1.00 M	3.496000 G	-44.37	-31.37
7.000 G	9.000 G	1.00 M	8.212000 G	-45.24	-32.24

Date: 12.JAN.2015 12:26:11

LTE Band 5 / 3MHz

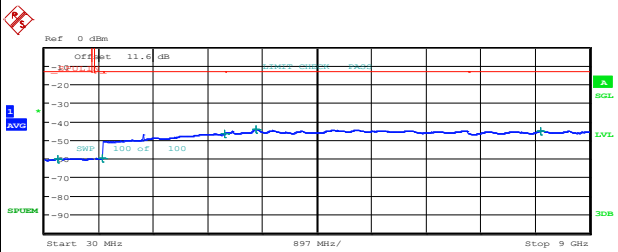
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	238.810000 M	-60.04	-47.04
860.000 M	1.000 G	100.00 k	943.300000 M	-59.85	-46.85
1.000 G	3.000 G	1.00 M	1.648000 G	-45.52	-32.52
3.000 G	7.000 G	1.00 M	3.508000 G	-44.45	-31.45
7.000 G	9.000 G	1.00 M	8.198000 G	-45.30	-32.30

Date: 12.JAN.2015 11:06:46

Lowest Channel / 16QAM

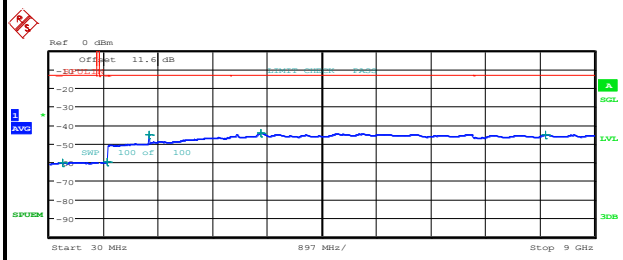


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	251.370000 M	-60.17	-47.17
860.000 M	1.000 G	100.00 k	981.800000 M	-60.01	-47.01
1.000 G	3.000 G	1.00 M	2.998000 G	-46.70	-33.70
3.000 G	7.000 G	1.00 M	3.508000 G	-44.38	-31.38
7.000 G	9.000 G	1.00 M	8.200000 G	-45.28	-32.28

Date: 12.JAN.2015 11:07:56

LTE Band 5 / 3MHz

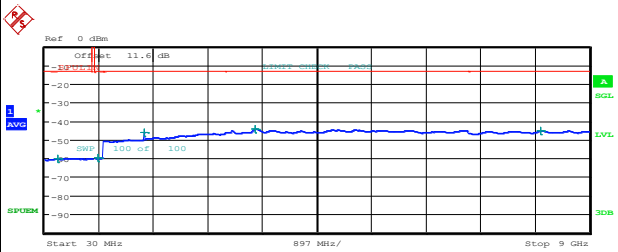
Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	241.165000 M	-60.18	-47.18
860.000 M	1.000 G	100.00 k	977.040000 M	-60.05	-47.05
1.000 G	3.000 G	1.00 M	1.670000 G	-45.35	-32.35
3.000 G	7.000 G	1.00 M	3.512000 G	-44.40	-31.40
7.000 G	9.000 G	1.00 M	8.188000 G	-45.33	-32.33

Date: 12.JAN.2015 11:09:53

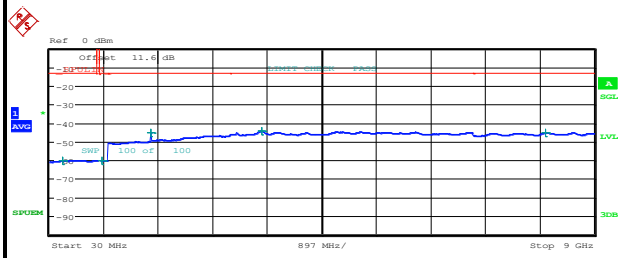
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	249.015000 M	-60.12	-47.12
860.000 M	1.000 G	100.00 k	914.040000 M	-59.99	-46.99
1.000 G	3.000 G	1.00 M	1.672000 G	-46.24	-33.24
3.000 G	7.000 G	1.00 M	3.492000 G	-44.44	-31.44
7.000 G	9.000 G	1.00 M	8.202000 G	-45.30	-32.30

Date: 12.JAN.2015 11:11:03

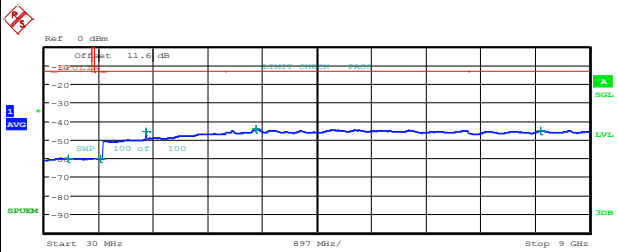
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	242.735000 M	-60.11	-47.11
860.000 M	1.000 G	100.00 k	895.140000 M	-60.10	-47.10
1.000 G	3.000 G	1.00 M	1.692000 G	-45.28	-32.28
3.000 G	7.000 G	1.00 M	3.524000 G	-44.52	-31.52
7.000 G	9.000 G	1.00 M	8.200000 G	-45.30	-32.30

Date: 12.JAN.2015 11:17:39

Highest Channel / 16QAM

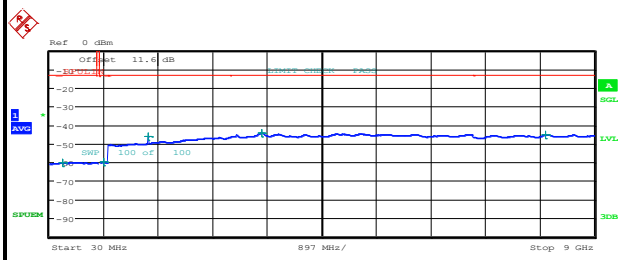


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	417.005000 M	-60.16	-47.16
860.000 M	1.000 G	100.00 k	945.400000 M	-60.16	-47.16
1.000 G	3.000 G	1.00 M	1.692000 G	-45.91	-32.91
3.000 G	7.000 G	1.00 M	3.508000 G	-44.45	-31.45
7.000 G	9.000 G	1.00 M	8.202000 G	-45.28	-32.28

Date: 12.JAN.2015 11:18:50

LTE Band 5 / 5MHz

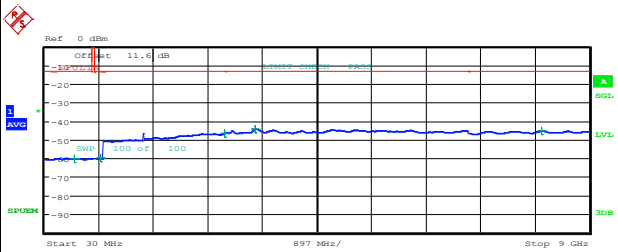
Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	241.165000 M	-60.11	-47.11
860.000 M	1.000 G	100.00 k	927.200000 M	-59.77	-46.77
1.000 G	3.000 G	1.00 M	1.650000 G	-46.10	-33.10
3.000 G	7.000 G	1.00 M	3.520000 G	-44.44	-31.44
7.000 G	9.000 G	1.00 M	8.190000 G	-45.28	-32.28

Date: 12.JAN.2015 11:30:25

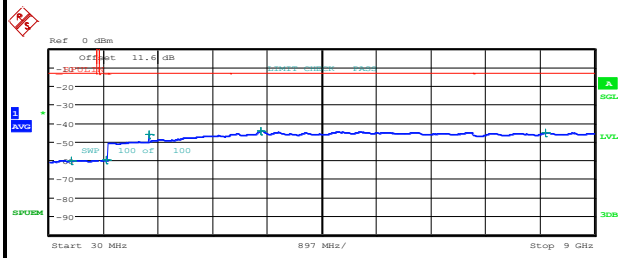
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	525.335000 M	-60.13	-47.13
860.000 M	1.000 G	100.00 k	954.780000 M	-60.04	-47.04
1.000 G	3.000 G	1.00 M	2.992000 G	-46.79	-33.79
3.000 G	7.000 G	1.00 M	3.500000 G	-44.46	-31.46
7.000 G	9.000 G	1.00 M	8.208000 G	-45.26	-32.26

Date: 12.JAN.2015 11:31:35

Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	388.745000 M	-60.22	-47.22
860.000 M	1.000 G	100.00 k	962.340000 M	-59.95	-46.95
1.000 G	3.000 G	1.00 M	1.668000 G	-46.16	-33.16
3.000 G	7.000 G	1.00 M	3.512000 G	-44.37	-31.37
7.000 G	9.000 G	1.00 M	8.196000 G	-45.31	-32.31

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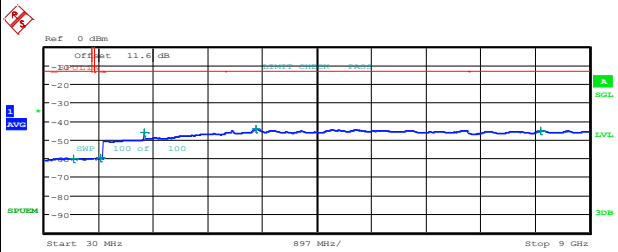
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	502.570000 M	-60.20	-47.20
860.000 M	1.000 G	100.00 k	954.640000 M	-59.99	-46.99
1.000 G	3.000 G	1.00 M	1.668000 G	-46.03	-33.03
3.000 G	7.000 G	1.00 M	3.508000 G	-44.45	-31.45
7.000 G	9.000 G	1.00 M	8.198000 G	-45.28	-32.28

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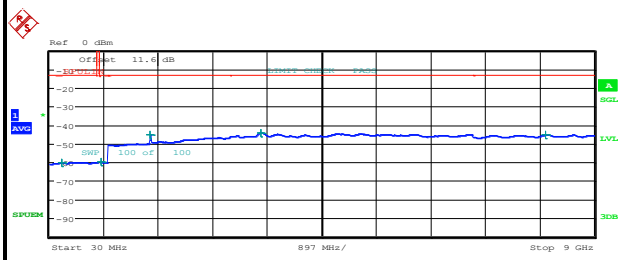
LTE Band 5 / 5MHz

Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	233.315000 M	-60.14	-47.14
860.000 M	1.000 G	100.00 k	874.000000 M	-60.09	-47.09
1.000 G	3.000 G	1.00 M	1.690000 G	-45.24	-32.24
3.000 G	7.000 G	1.00 M	3.512000 G	-44.41	-31.41
7.000 G	9.000 G	1.00 M	8.200000 G	-45.30	-32.30

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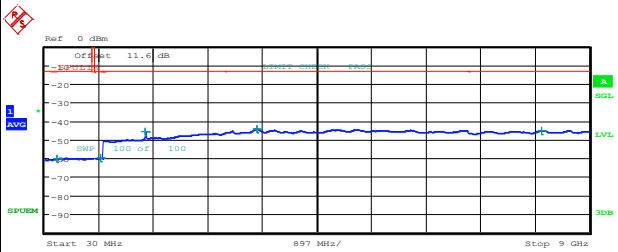
Highest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	238.025000 M	-60.12	-47.12
860.000 M	1.000 G	100.00 k	944.700000 M	-59.83	-46.83
1.000 G	3.000 G	1.00 M	1.690000 G	-45.99	-32.99
3.000 G	7.000 G	1.00 M	3.516000 G	-44.40	-31.40
7.000 G	9.000 G	1.00 M	8.208000 G	-45.29	-32.29

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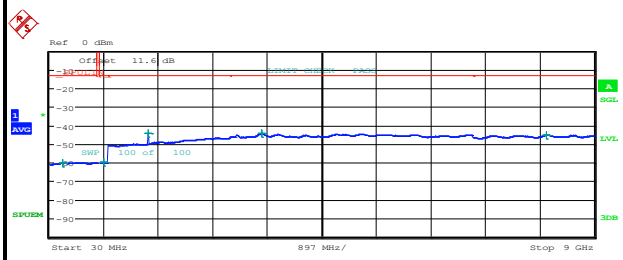
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	244.305000 M	-60.11	-47.11
860.000 M	1.000 G	100.00 k	916.420000 M	-59.99	-46.99
1.000 G	3.000 G	1.00 M	1.650000 G	-44.21	-31.21
3.000 G	7.000 G	1.00 M	3.516000 G	-44.47	-31.47
7.000 G	9.000 G	1.00 M	8.216000 G	-45.29	-32.29

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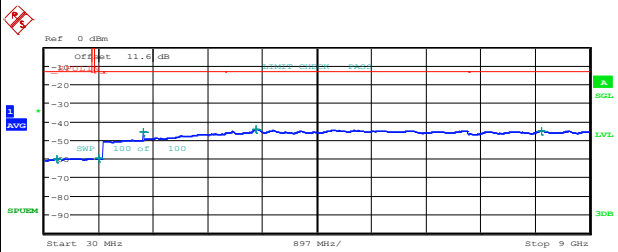
Lowest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	230.960000 M	-60.23	-47.23
860.000 M	1.000 G	100.00 k	926.360000 M	-59.78	-46.78
1.000 G	3.000 G	1.00 M	1.650000 G	-45.79	-32.79
3.000 G	7.000 G	1.00 M	3.504000 G	-44.40	-31.40
7.000 G	9.000 G	1.00 M	8.212000 G	-45.27	-32.27

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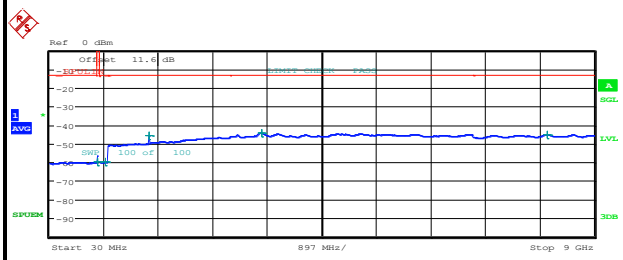
LTE Band 5 / 10MHz

Middle Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	814.215000 M	-59.92	-46.92
860.000 M	1.000 G	100.00 k	954.220000 M	-60.02	-47.02
1.000 G	3.000 G	1.00 M	1.664000 G	-45.81	-32.81
3.000 G	7.000 G	1.00 M	3.520000 G	-44.42	-31.42
7.000 G	9.000 G	1.00 M	8.224000 G	-45.26	-32.26

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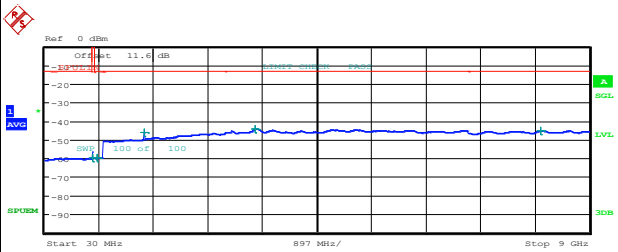
Middle Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	814.215000 M	-59.67	-46.67
860.000 M	1.000 G	100.00 k	898.220000 M	-59.93	-46.93
1.000 G	3.000 G	1.00 M	1.664000 G	-46.46	-33.46
3.000 G	7.000 G	1.00 M	3.496000 G	-44.39	-31.39
7.000 G	9.000 G	1.00 M	8.202000 G	-45.20	-32.20

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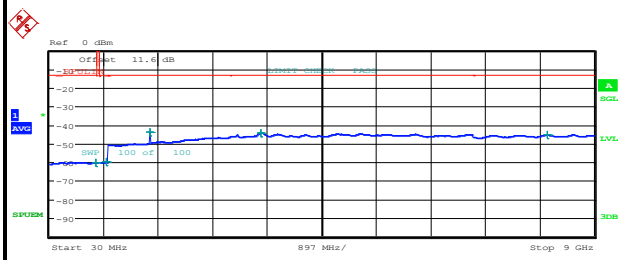
Highest Channel / QPSK



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	798.515000 M	-60.11	-47.11
860.000 M	1.000 G	100.00 k	960.380000 M	-59.99	-46.99
1.000 G	3.000 G	1.00 M	1.680000 G	-43.92	-30.92
3.000 G	7.000 G	1.00 M	3.512000 G	-44.36	-31.36
7.000 G	9.000 G	1.00 M	8.230000 G	-45.25	-32.25

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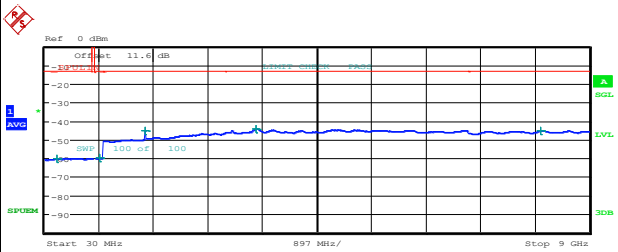
Highest Channel / 16QAM



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	815.000 M	100.00 k	232.530000 M	-60.14	-47.14
860.000 M	1.000 G	100.00 k	935.740000 M	-59.92	-46.92
1.000 G	3.000 G	1.00 M	1.680000 G	-45.47	-32.47
3.000 G	7.000 G	1.00 M	3.504000 G	-44.35	-31.35
7.000 G	9.000 G	1.00 M	8.188000 G	-45.20	-32.20

Date: 12.JAN.2015 12:07:21

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0139	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0111	
0	Normal Voltage	0.0114	
-10	Normal Voltage	0.0103	
-20	Normal Voltage	0.0158	
-30	Normal Voltage	0.0133	
20	Maximum Voltage	0.0109	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.7V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.1 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.