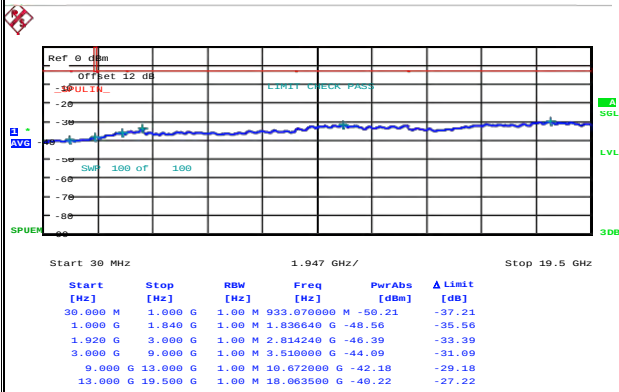


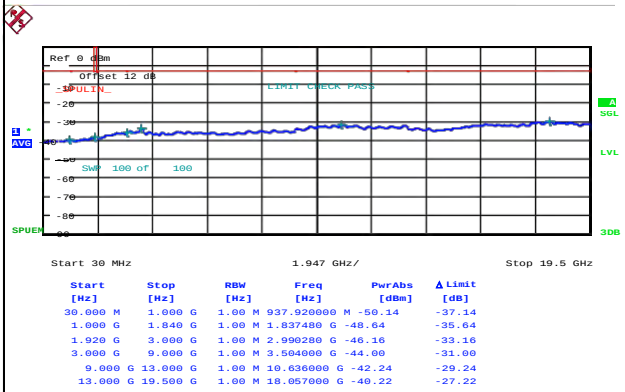


LTE Band 2 / 5MHz

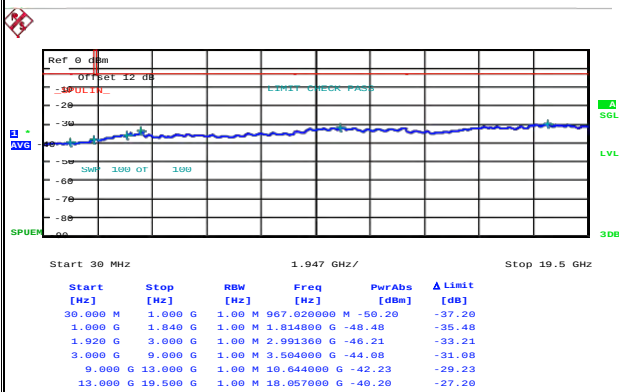
Lowest Channel / QPSK



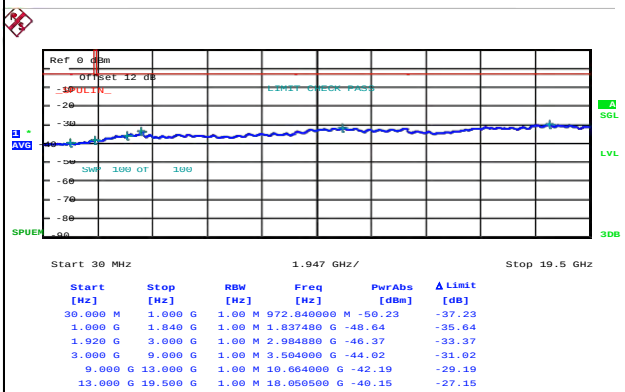
Lowest Channel / 16QAM



Middle Channel / QPSK



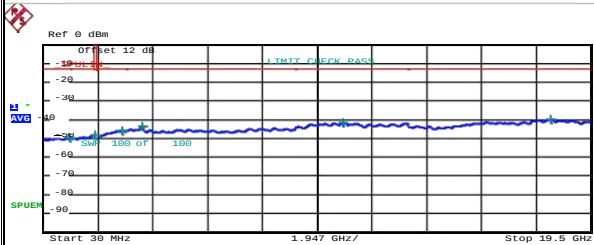
Middle Channel / 16QAM





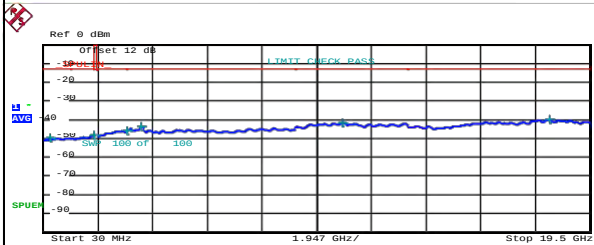
LTE Band 2 / 5MHz

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	-44.83	-31.83
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

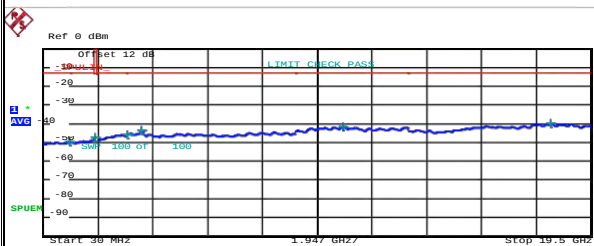
Highest Channel / 16QAM



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

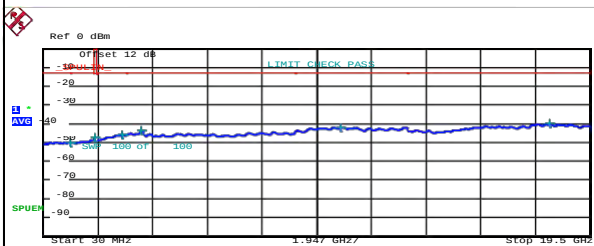
LTE Band 2 / 10MHz

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	2.980120 G	-46.38	-33.38
3.000 G	9.000 G	1.00 M	3.498000 G	-44.81	-31.81
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	18.065000 G	-40.14	-27.14

Lowest Channel / 16QAM

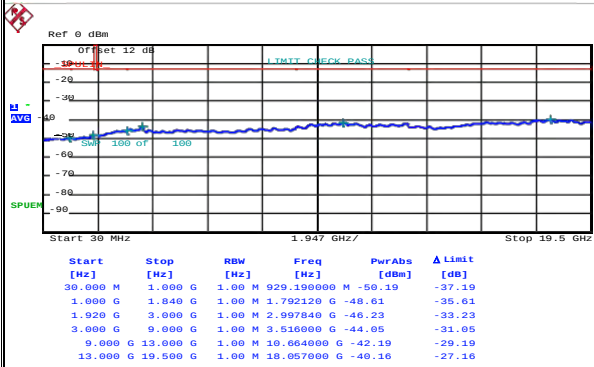


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	969.930000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.834120 G	-47.46	-34.46
1.920 G	3.000 G	1.00 M	2.815320 G	-46.22	-33.22
3.000 G	9.000 G	1.00 M	3.504000 G	-44.01	-31.01
9.000 G	13.000 G	1.00 M	10.616000 G	-42.26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

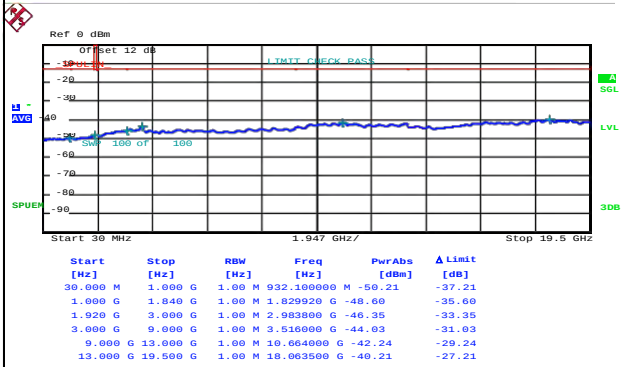


LTE Band 2 / 10MHz

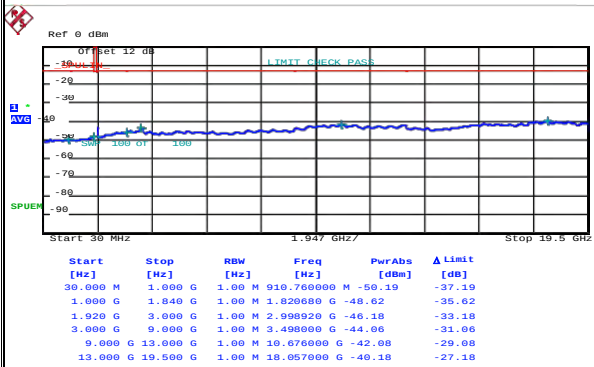
Middle Channel / QPSK



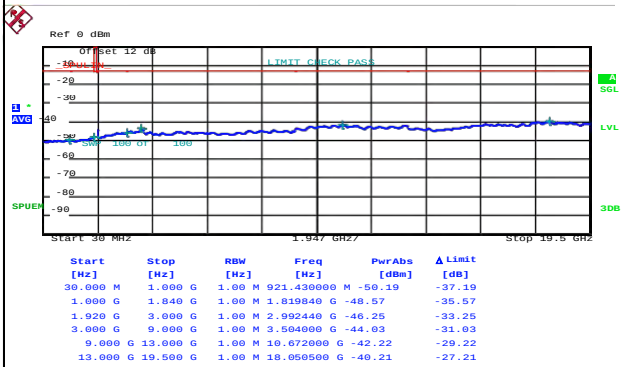
Middle Channel / 16QAM



Highest Channel / QPSK



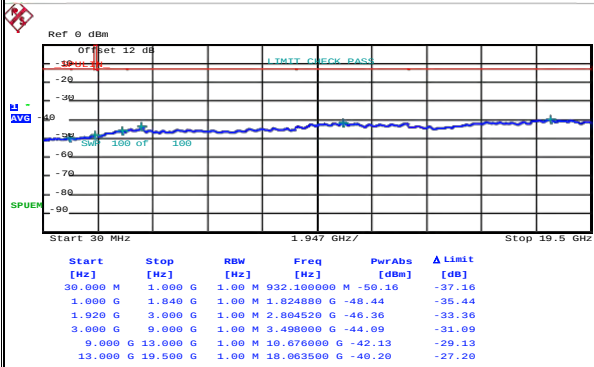
Highest Channel / 16QAM



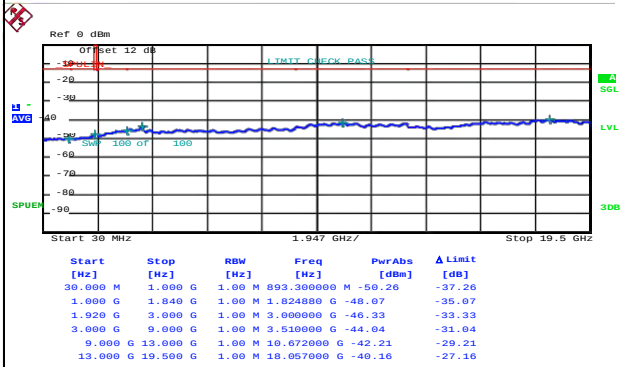


LTE Band 2 / 15MHz

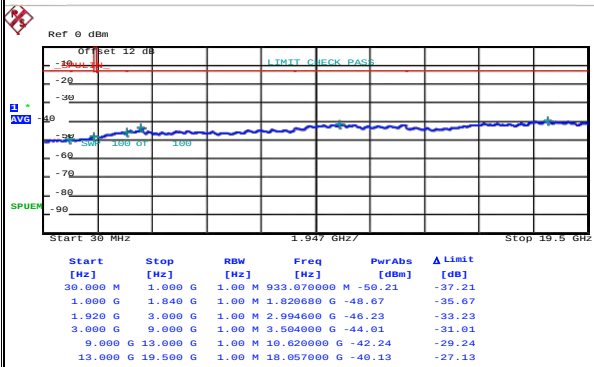
Lowest Channel / QPSK



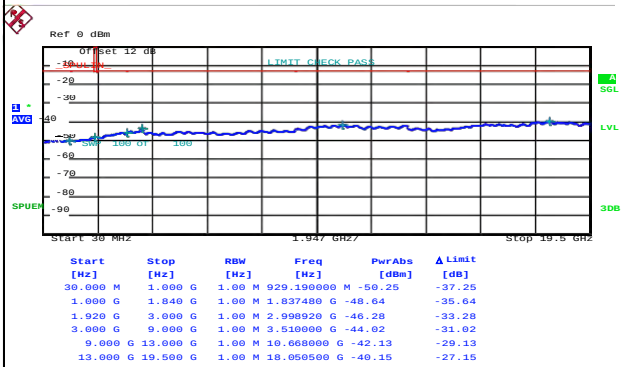
Lowest Channel / 16QAM



Middle Channel / QPSK



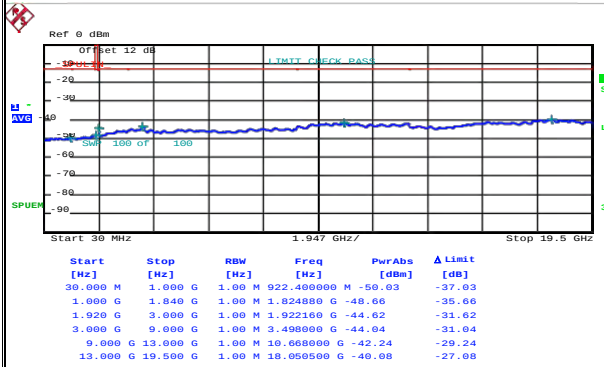
Middle Channel / 16QAM



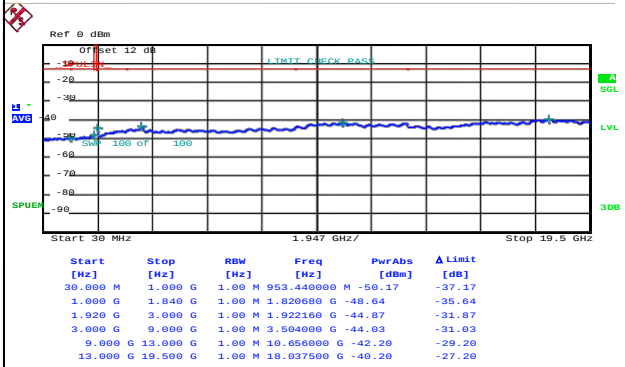


LTE Band 2 / 15MHz

Highest Channel / QPSK

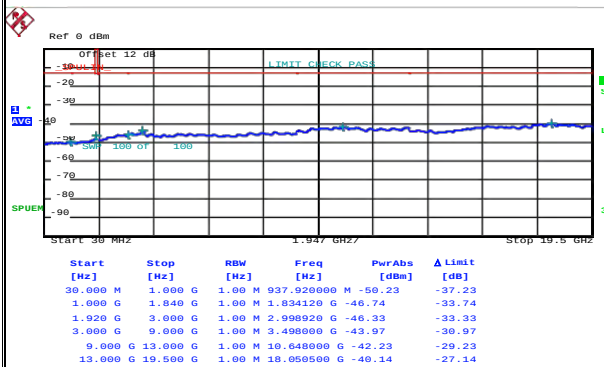


Highest Channel / 16QAM

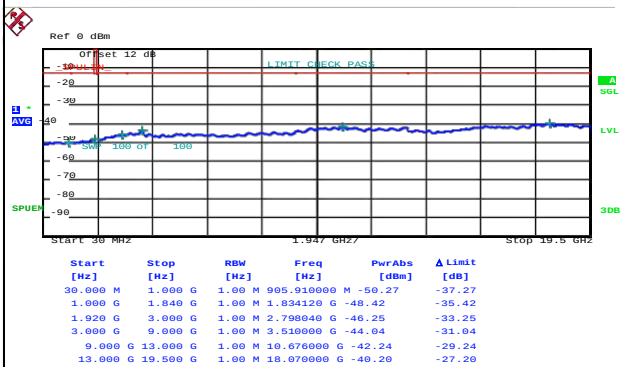


LTE Band 2 / 20MHz

Lowest Channel / QPSK



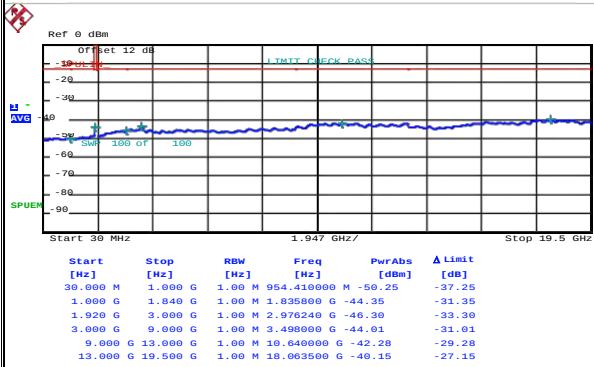
Lowest Channel / 16QAM





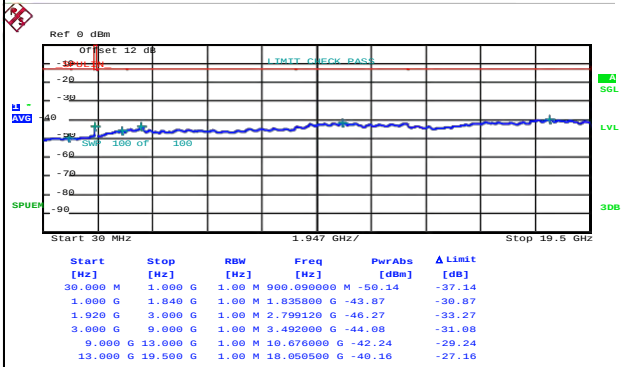
LTE Band 2 / 20MHz

Middle Channel / QPSK



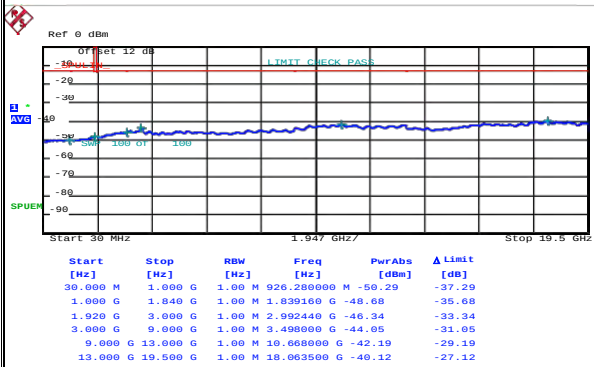
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	954.410000 M	-50.25	-37.25
1.000 G	1.840 G	1.00 M	1.835800 G	-44.35	-31.35
1.920 G	3.000 G	1.00 M	2.976240 G	-46.30	-33.30
3.000 G	9.000 G	1.00 M	3.498000 G	-44.81	-31.81
9.000 G	13.000 G	1.00 M	10.640000 G	-42.28	-29.28
13.000 G	19.500 G	1.00 M	18.063500 G	-40.15	-27.15

Middle Channel / 16QAM



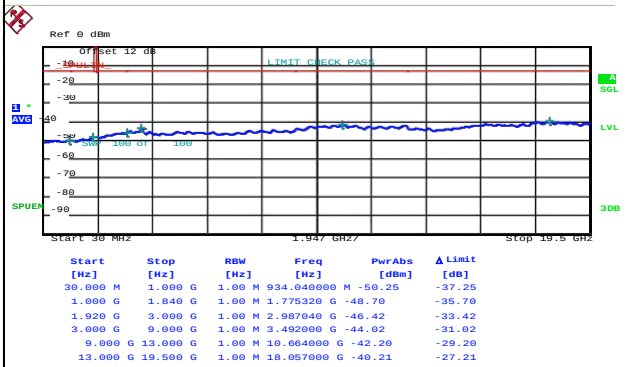
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
30.000 M	1.000 G	1.00 M	900.090000 M	-50.14	-37.14
1.000 G	1.840 G	1.00 M	1.835800 G	-43.87	-30.87
1.920 G	3.000 G	1.00 M	2.799120 G	-46.27	-33.27
3.000 G	9.000 G	1.00 M	3.492000 G	-44.08	-31.08
9.000 G	13.000 G	1.00 M	10.676000 G	-42.24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

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	-44.95	-31.95
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

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



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	Min Voltage	0.0005	

Note:

1. Normal Voltage = 120VAC. ; Min Voltage = 102 VAC.; Maximum Voltage =138 VAC
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 4

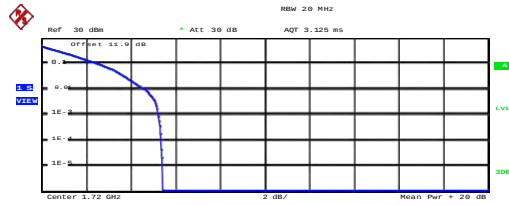
Peak-to-Average Ratio

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

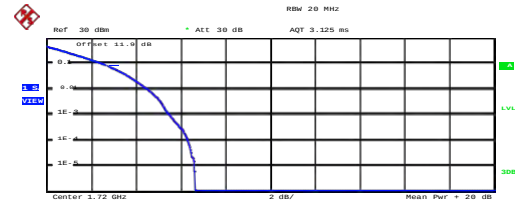


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Lowest Channel / Full RB

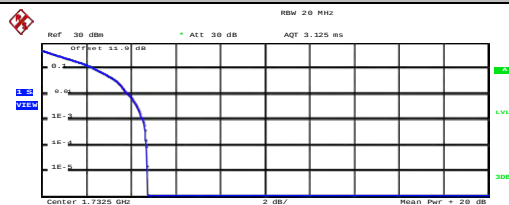


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Middle Channel / 1RB

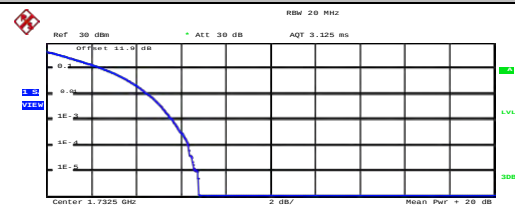


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Middle Channel / Full RB

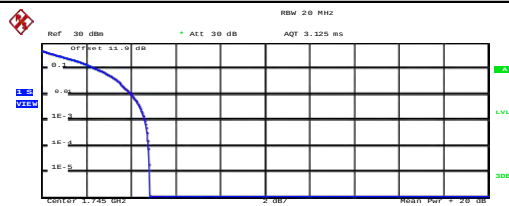


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Highest Channel / 1RB

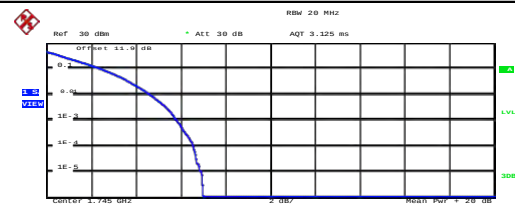


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Highest Channel / Full RB



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

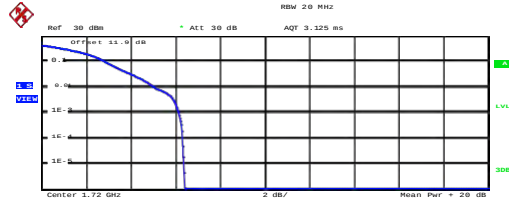
Trace 1
Mean 20.70 dBm
Peak 27.67 dBm
Crest 6.96 dB

10 % 2.40 dB
1 % 4.58 dB
.1 % 5.77 dB
.01 % 6.54 dB



LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB

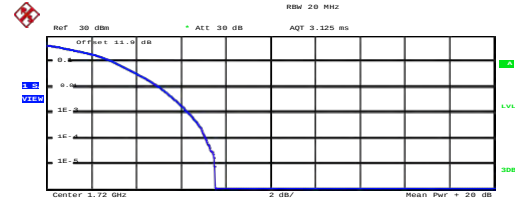


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Lowest Channel / Full RB

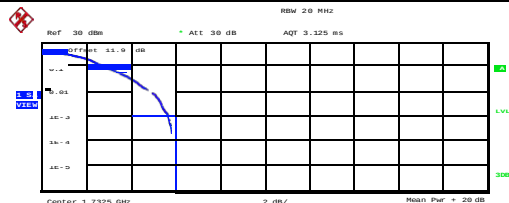


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Middle Channel / 1RB

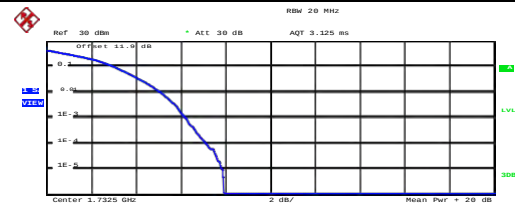


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Middle Channel / Full RB

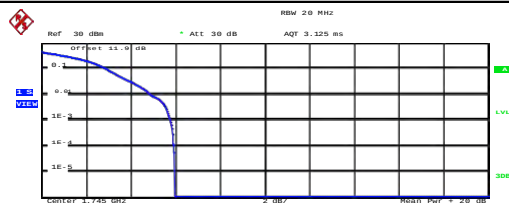


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

Highest Channel / 1RB

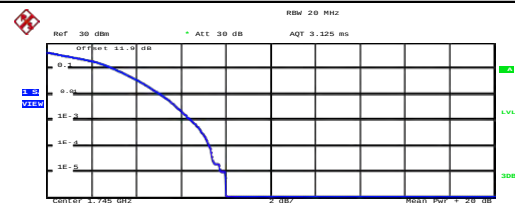


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

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

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



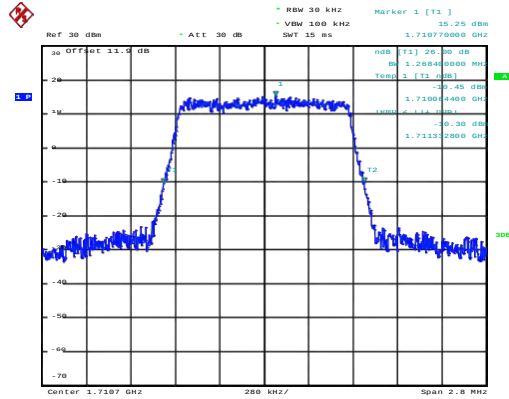
26dB Bandwidth

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

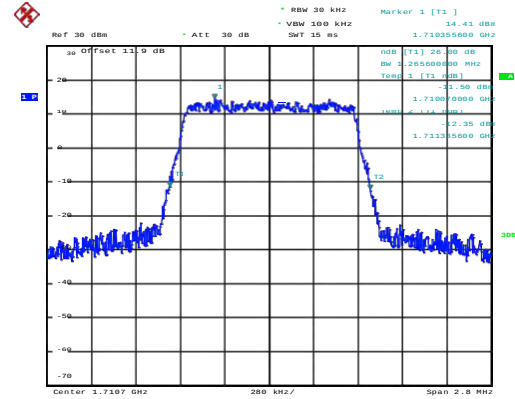


LTE Band 4

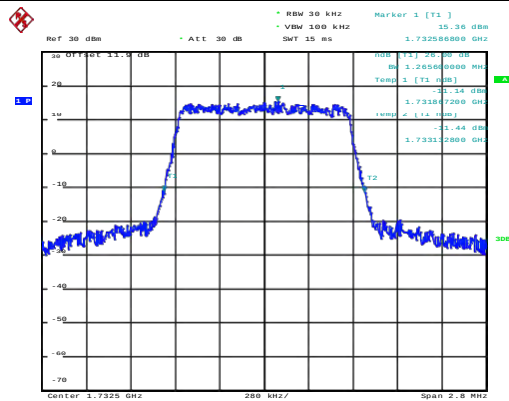
Lowest Channel / 1.4MHz / QPSK



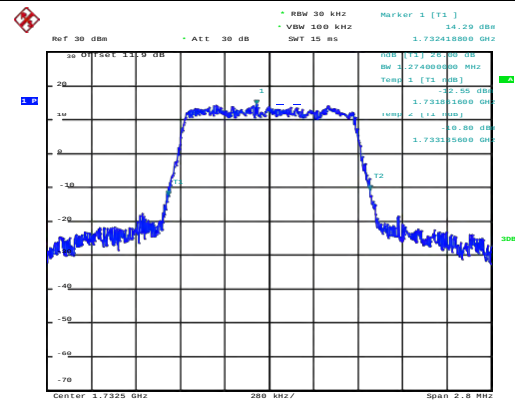
Lowest Channel / 1.4MHz / 16QAM



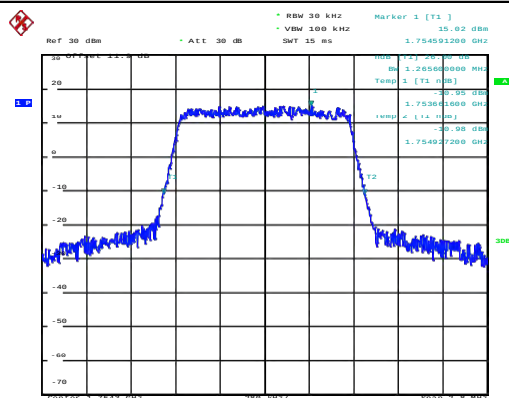
Middle Channel / 1.4MHz / QPSK



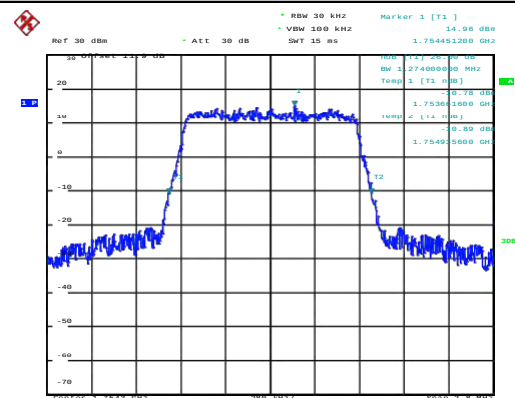
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



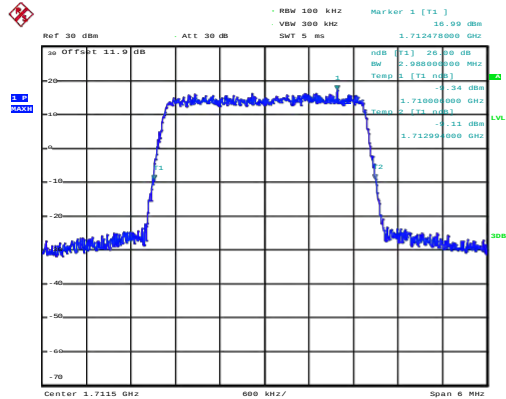
Highest Channel / 1.4MHz / 16QAM



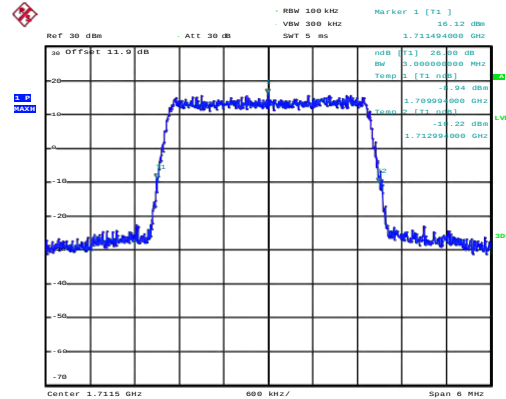


LTE Band 4

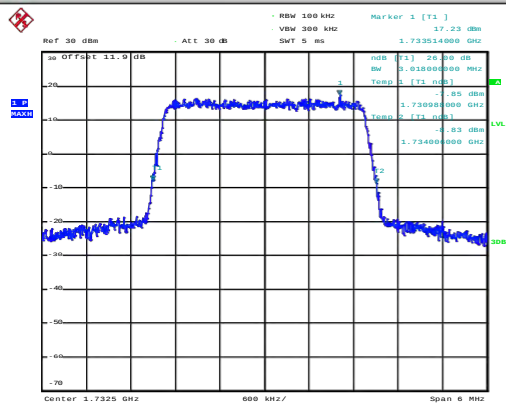
Lowest Channel / 3MHz / QPSK



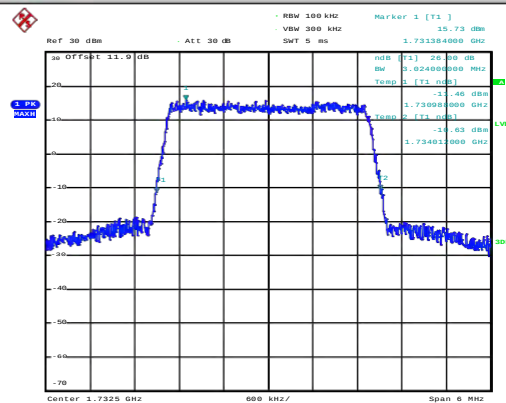
Lowest Channel / 3MHz / 16QAM



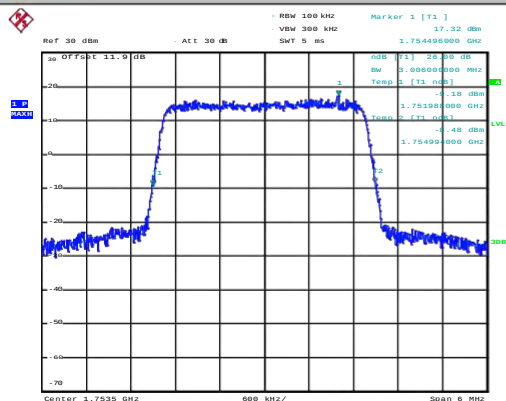
Middle Channel / 3MHz / QPSK



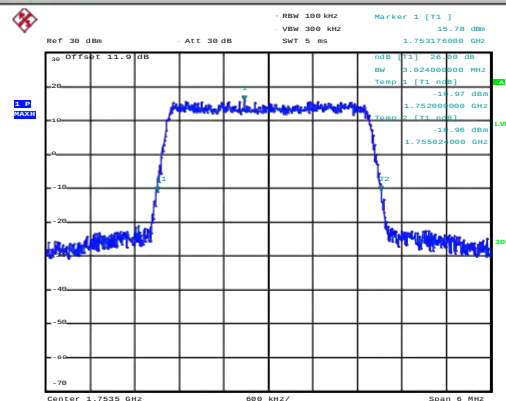
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



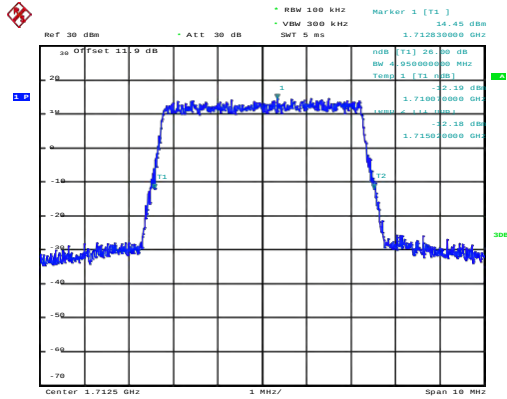
Highest Channel / 3MHz / 16QAM



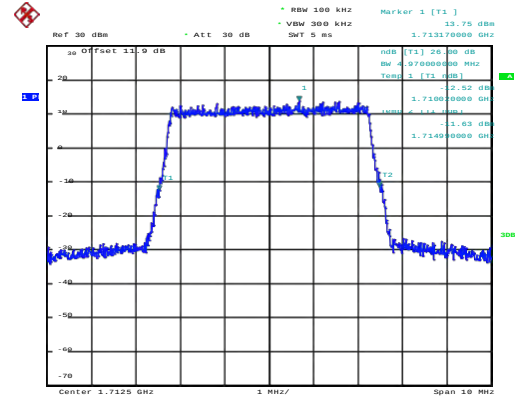


LTE Band 4

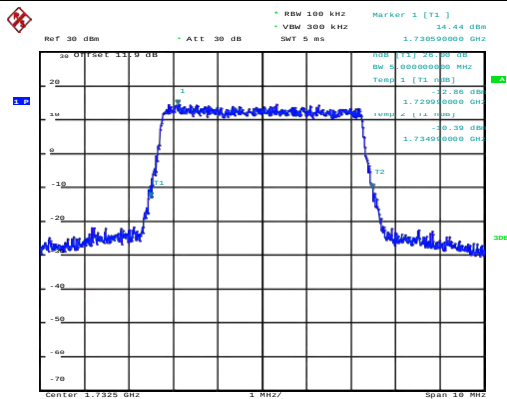
Lowest Channel / 5MHz / QPSK



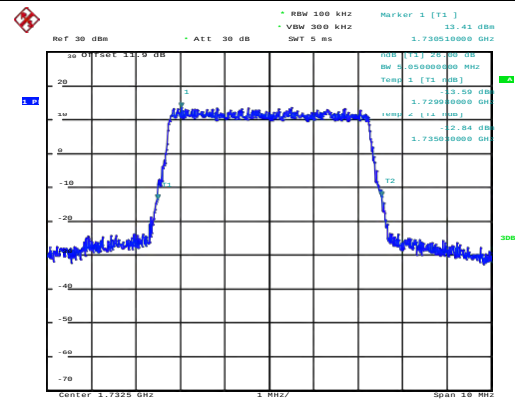
Lowest Channel / 5MHz / 16QAM



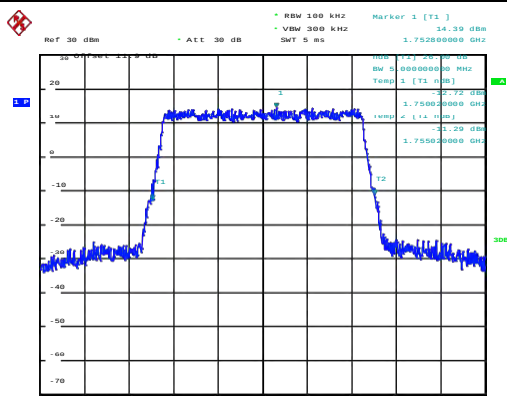
Middle Channel / 5MHz / QPSK



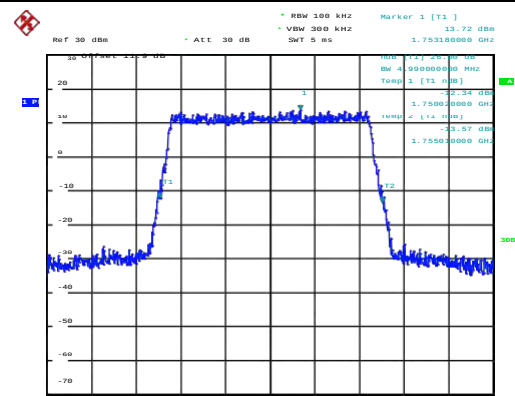
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



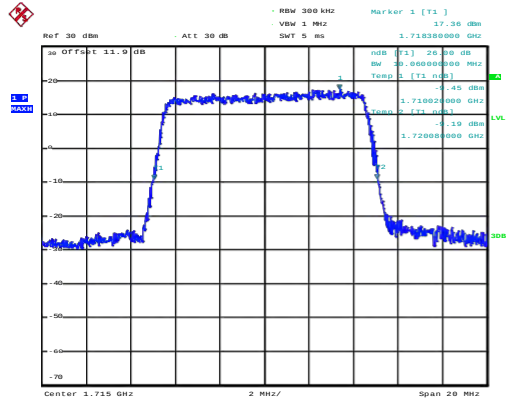
Highest Channel / 5MHz / 16QAM



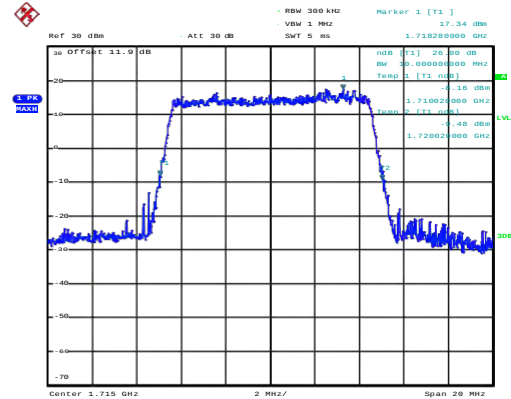


LTE Band 4

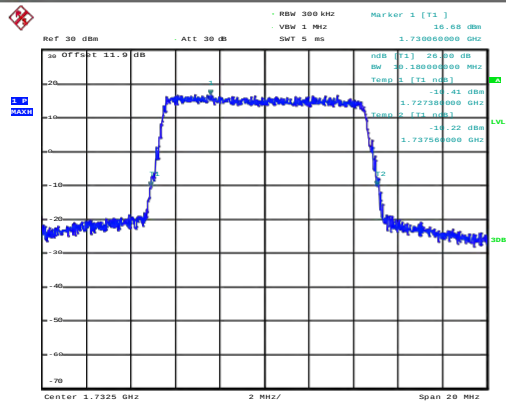
Lowest Channel / 10MHz / QPSK



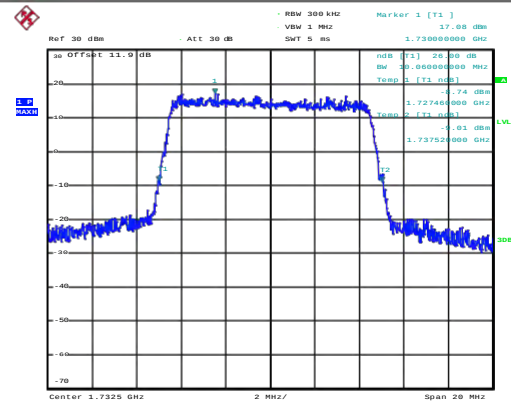
Lowest Channel / 10MHz / 16QAM



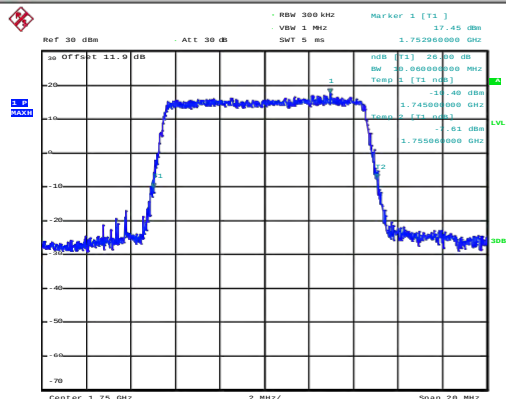
Middle Channel / 10MHz / QPSK



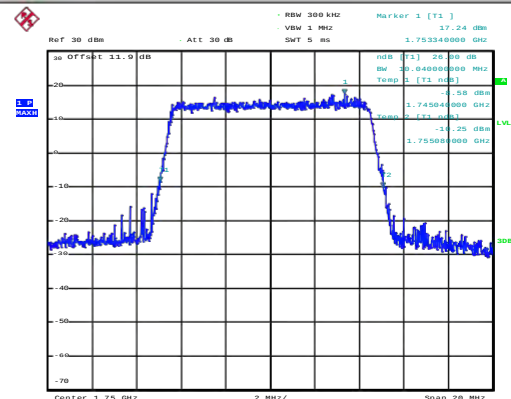
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



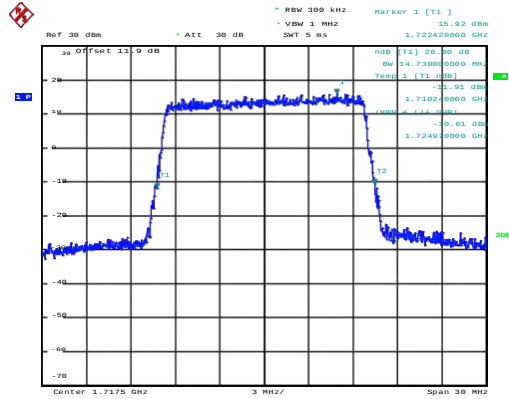
Highest Channel / 10MHz / 16QAM



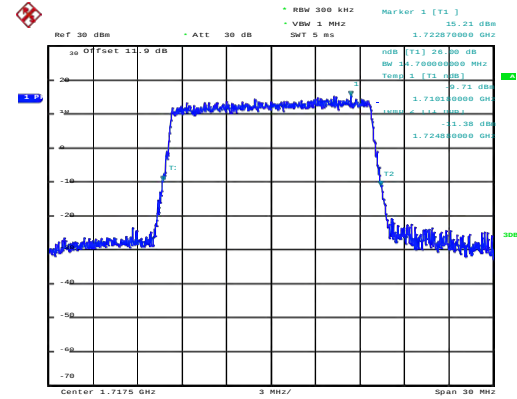


LTE Band 4

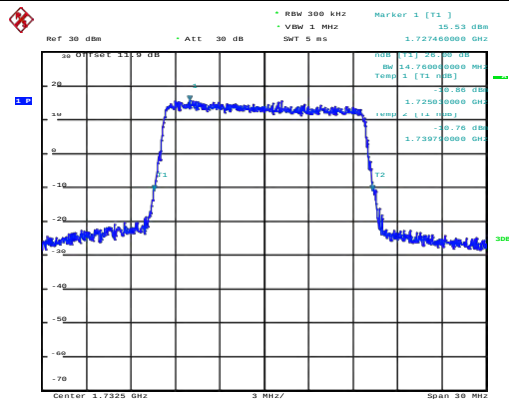
Lowest Channel / 15MHz / QPSK



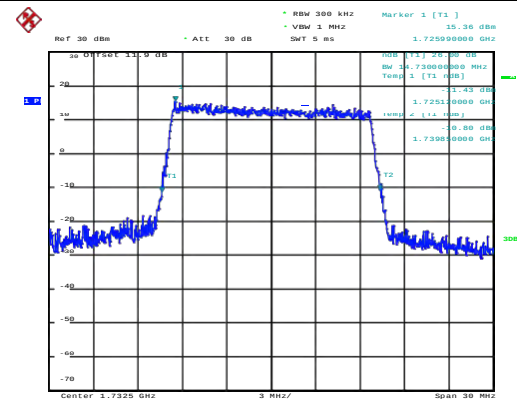
Lowest Channel / 15MHz / 16QAM



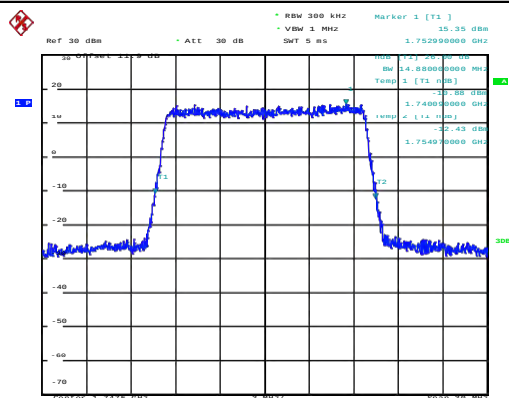
Middle Channel / 15MHz / QPSK



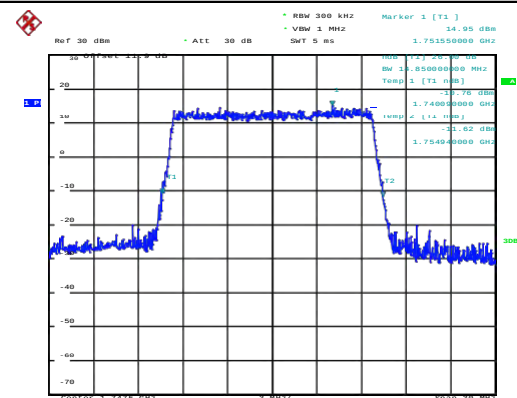
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



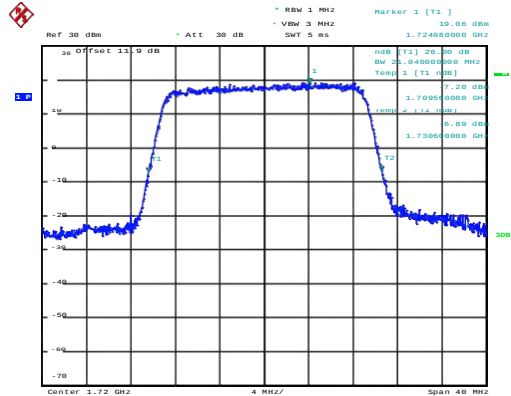
Highest Channel / 15MHz / 16QAM



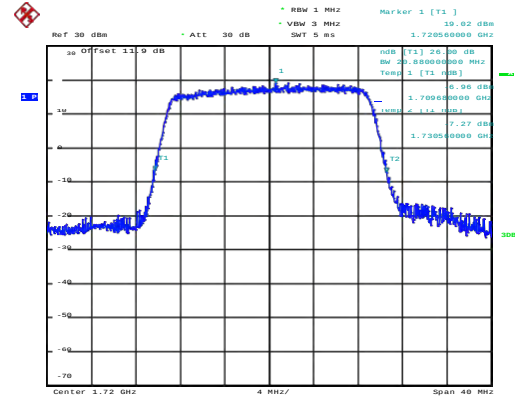


LTE Band 4

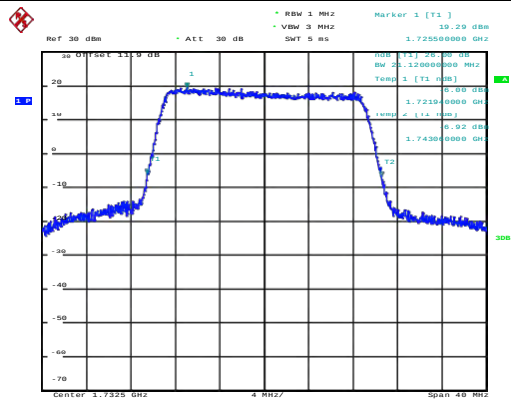
Lowest Channel / 20MHz / QPSK



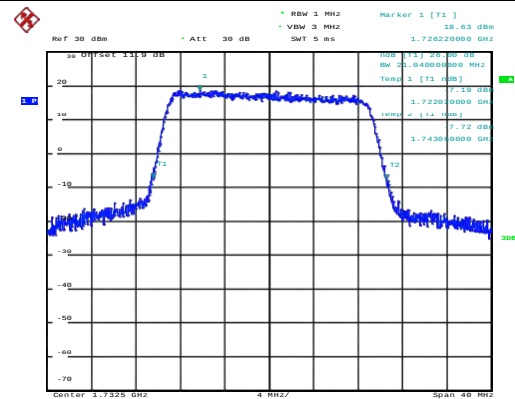
Lowest Channel / 20MHz / 16QAM



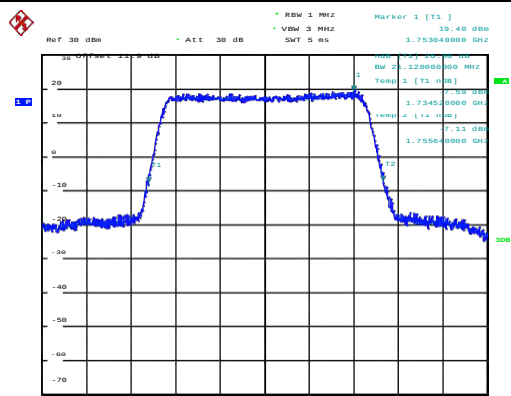
Middle Channel / 20MHz / QPSK



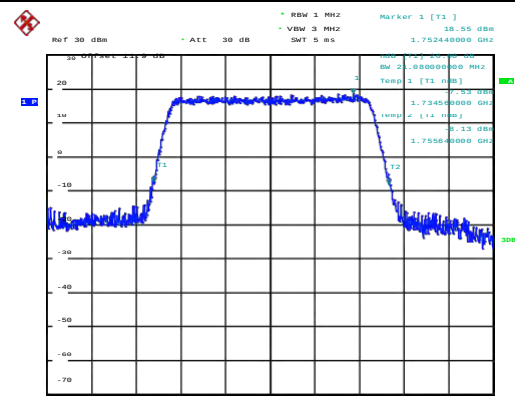
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





Occupied Bandwidth

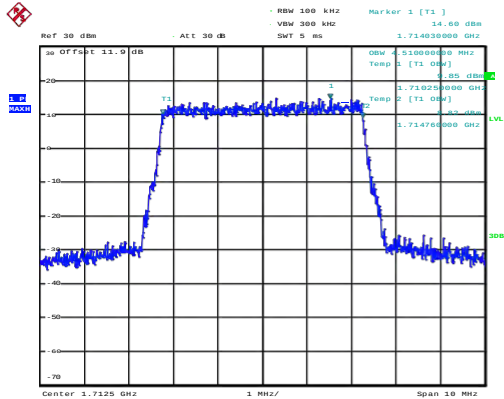
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.72	4.51	4.51	9.08	9.04	13.47	13.47	18.44	18.44
Middle CH	1.09	1.1	2.72	2.72	4.51	4.5	9.06	9.04	13.5	13.53	18.56	18.56
Highest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



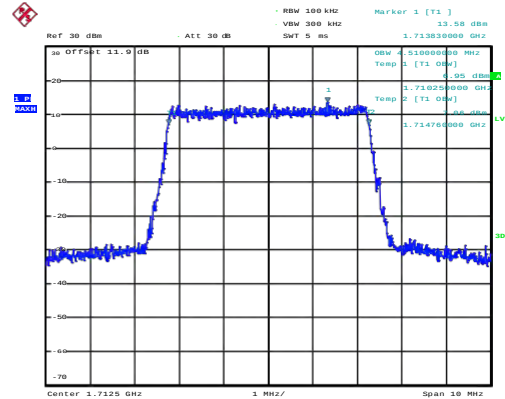


LTE Band 4

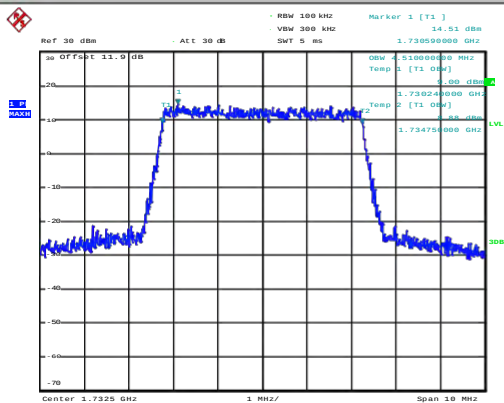
Lowest Channel / 5MHz / QPSK



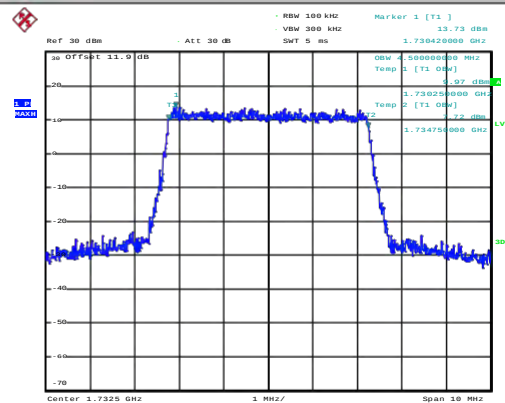
Lowest Channel / 5MHz / 16QAM



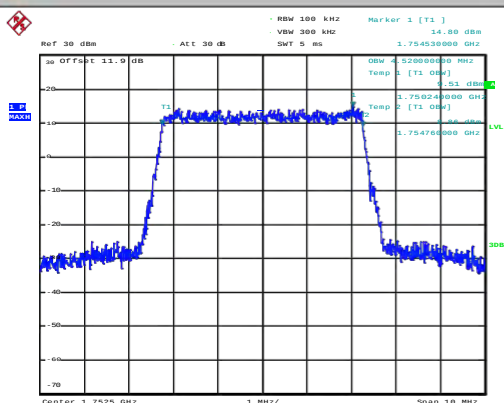
Middle Channel / 5MHz / QPSK



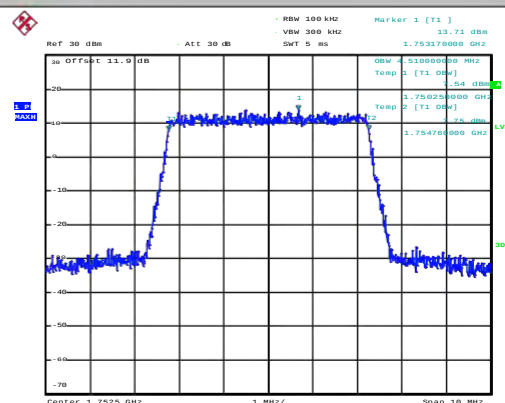
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

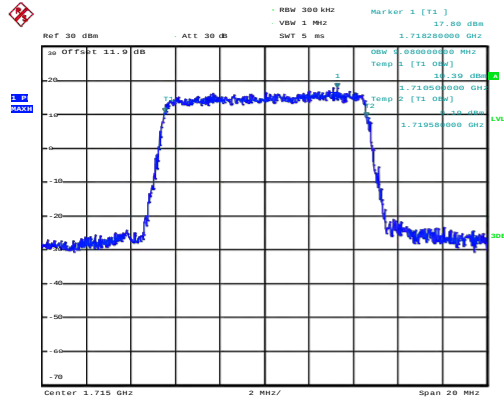


Highest Channel / 5MHz / 16QAM

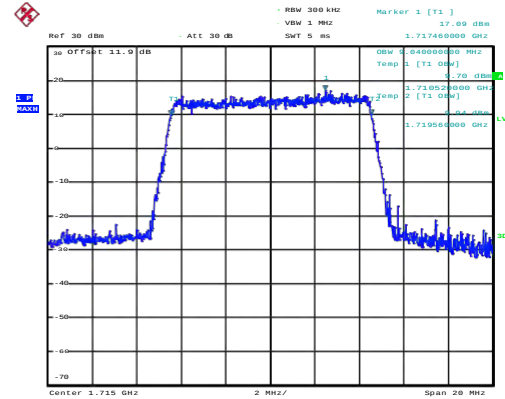


LTE Band 4

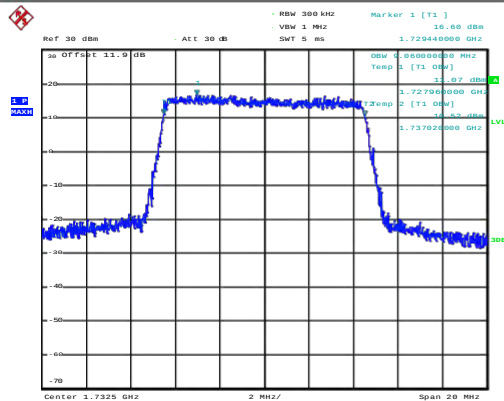
Lowest Channel / 10MHz / QPSK



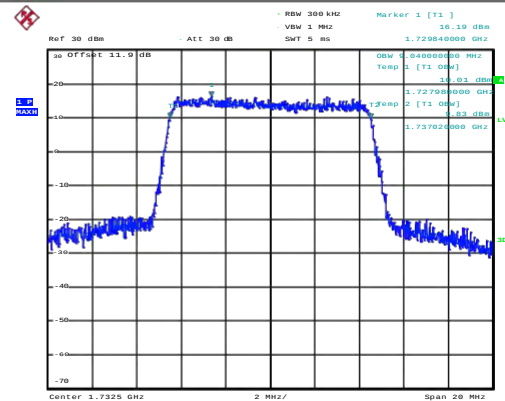
Lowest Channel / 10MHz / 16QAM



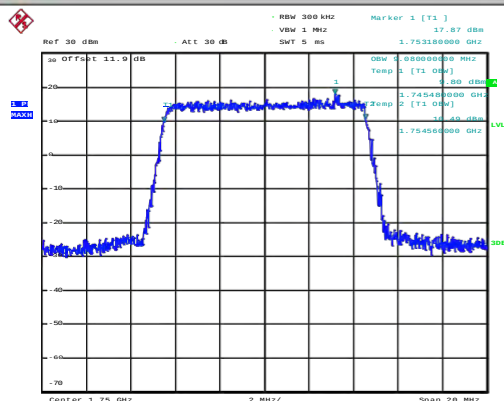
Middle Channel / 10MHz / QPSK



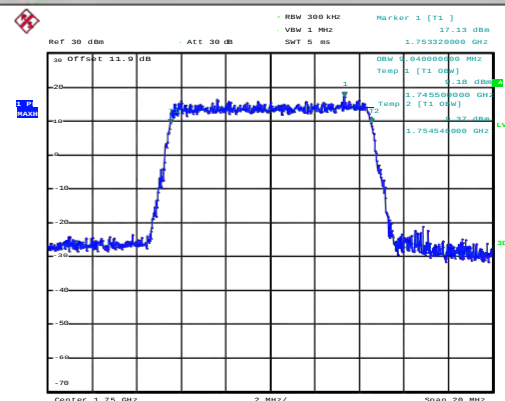
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



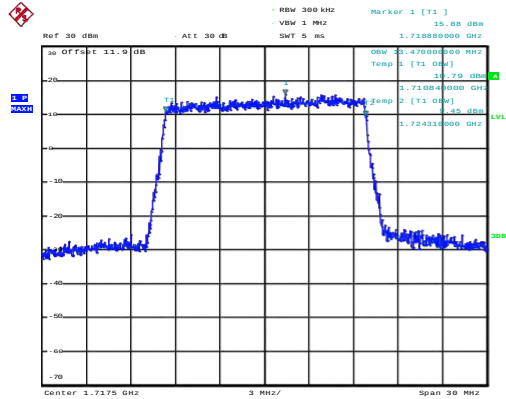
Highest Channel / 10MHz / 16QAM



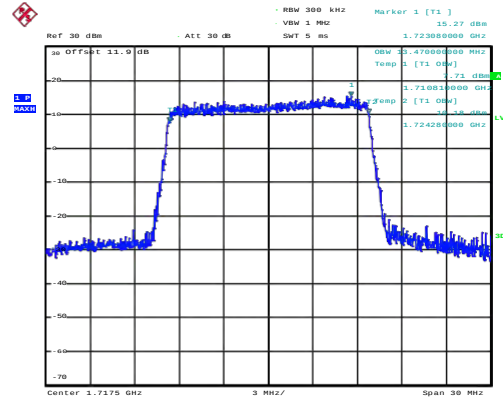


LTE Band 4

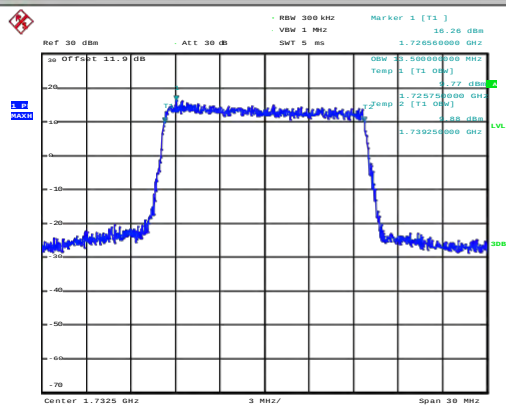
Lowest Channel / 15MHz / QPSK



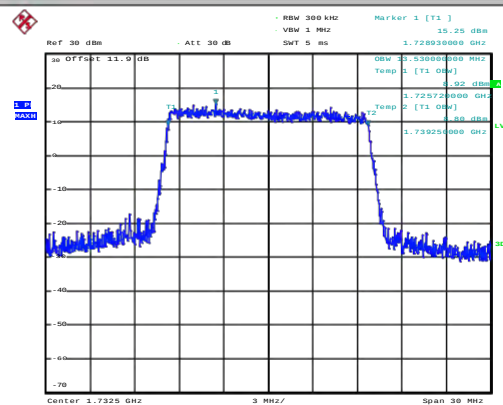
Lowest Channel / 15MHz / 16QAM



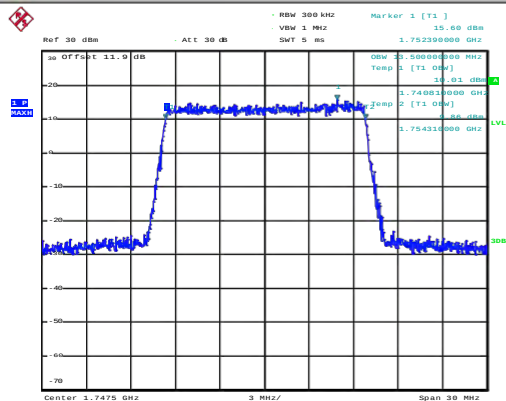
Middle Channel / 15MHz / QPSK



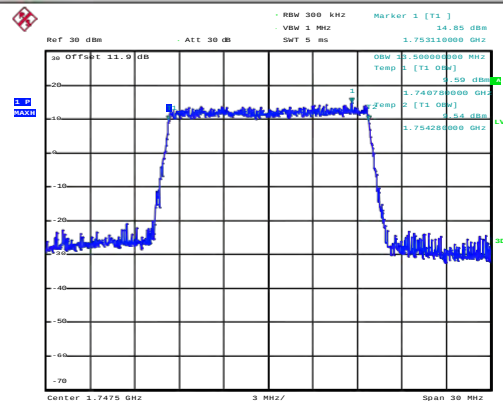
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



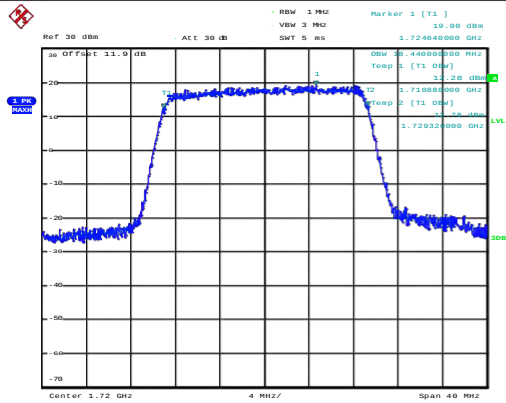
Highest Channel / 15MHz / 16QAM



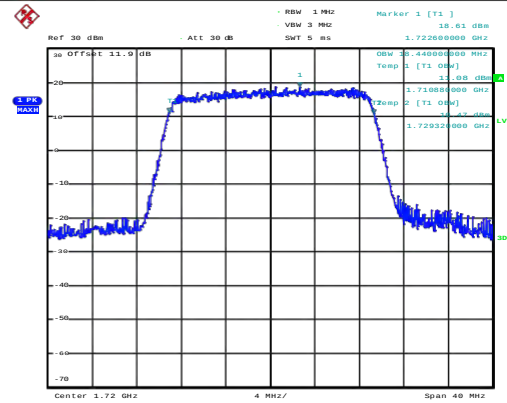


LTE Band 4

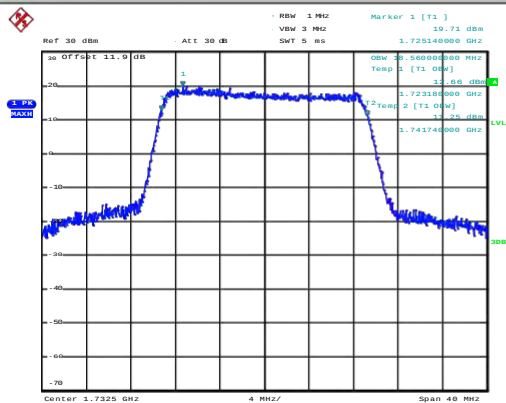
Lowest Channel / 20MHz / QPSK



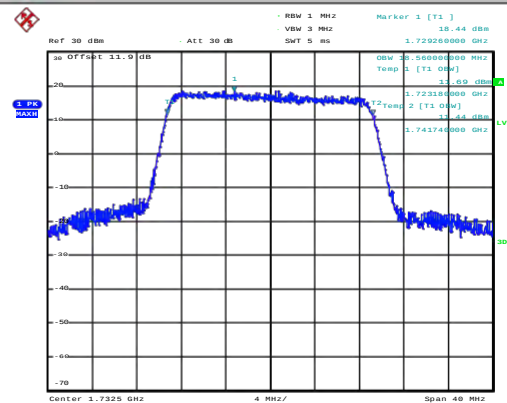
Lowest Channel / 20MHz / 16QAM



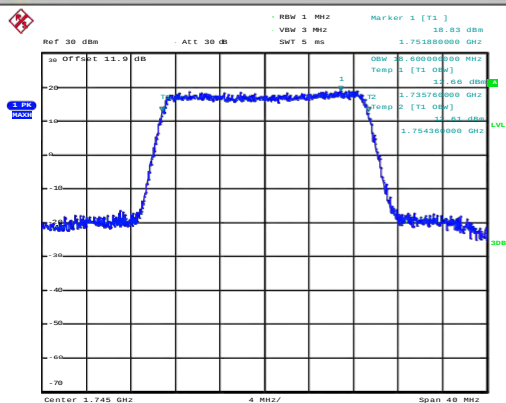
Middle Channel / 20MHz / QPSK



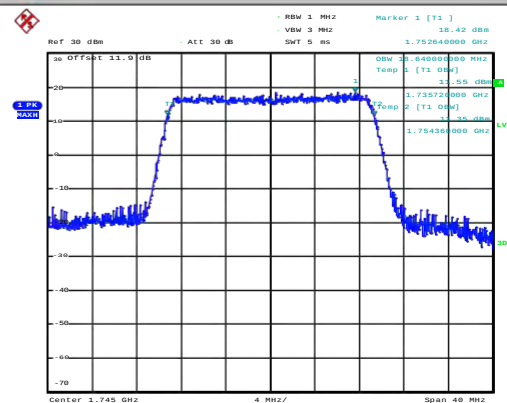
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

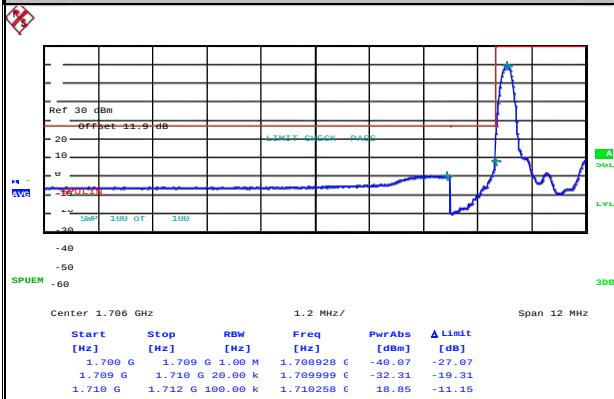




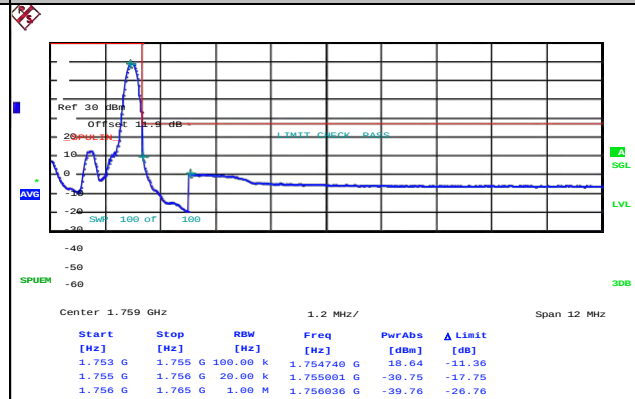
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

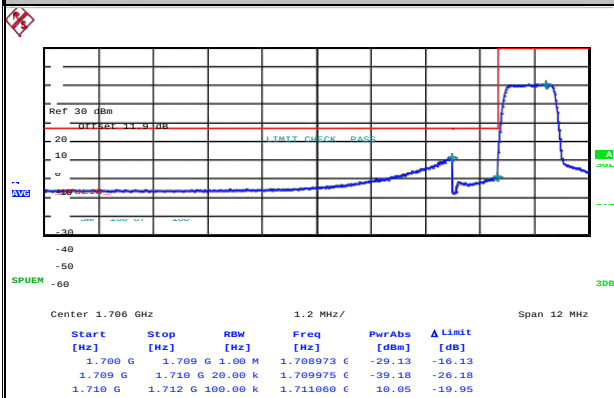
Lowest Band Edge / 1RB



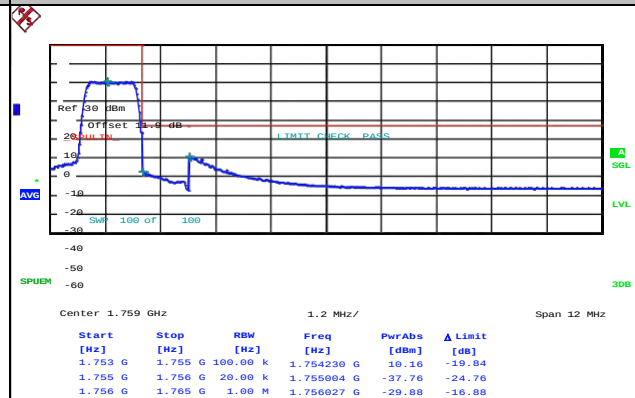
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



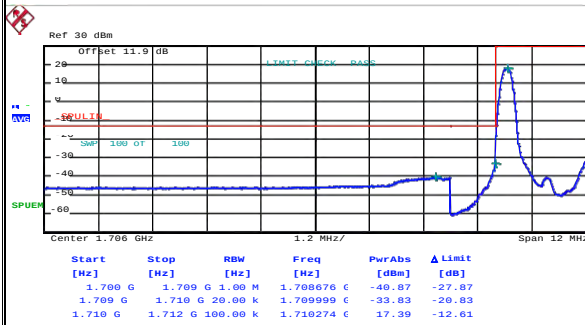
Highest Band Edge / Full RB



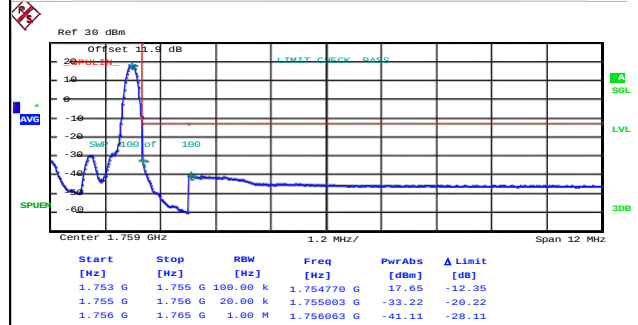


LTE Band 4 / 1.4MHz / 16QAM

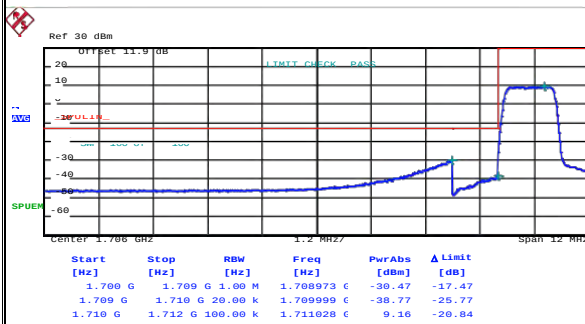
Lowest Band Edge / 1 RB



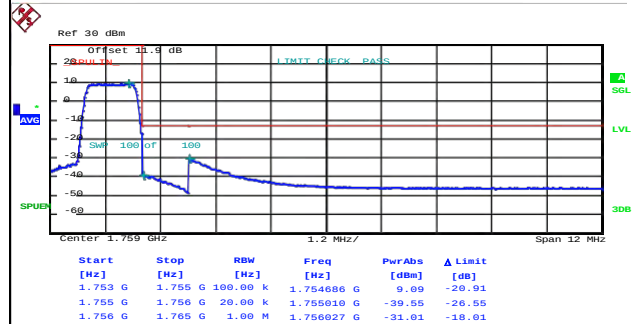
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



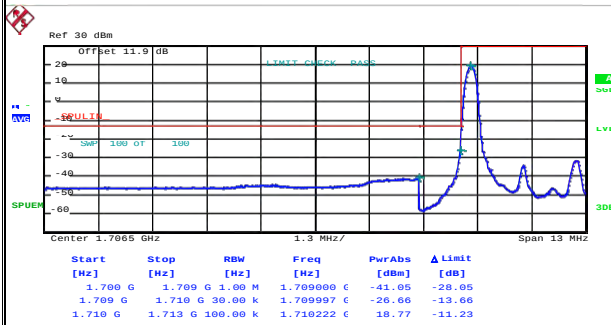
Highest Band Edge / Full RB



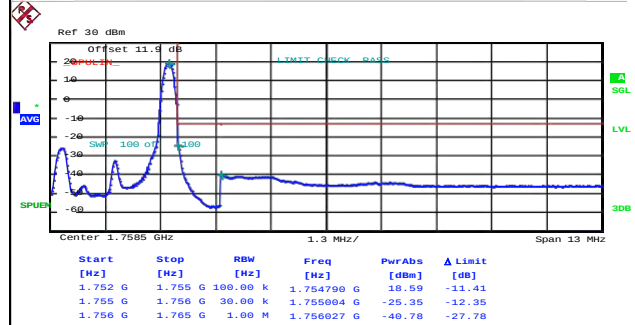


LTE Band 4 / 3MHz / QPSK

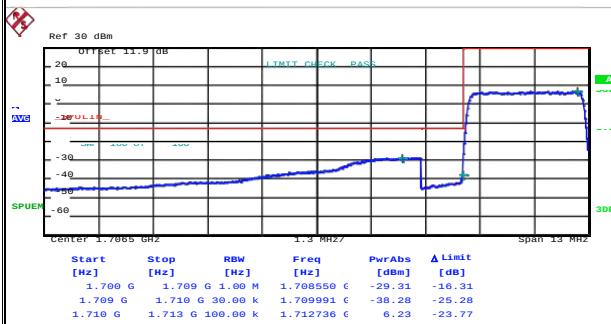
Lowest Band Edge / 1RB



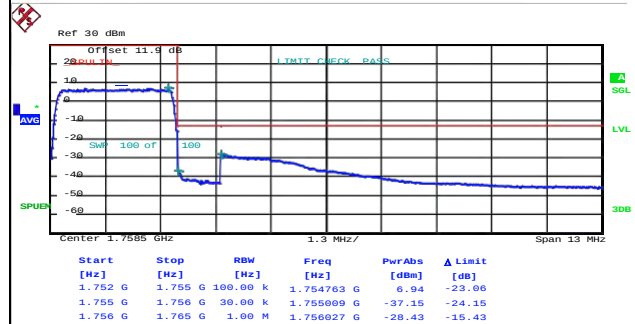
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



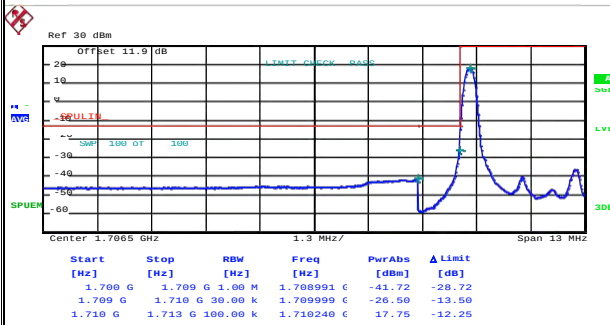
Highest Band Edge / Full RB



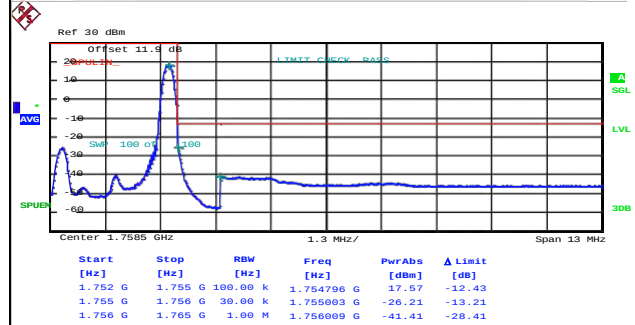


LTE Band 4 / 3MHz / 16QAM

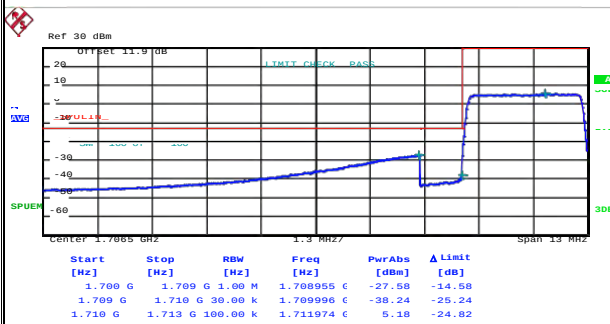
Lowest Band Edge / 1 RB



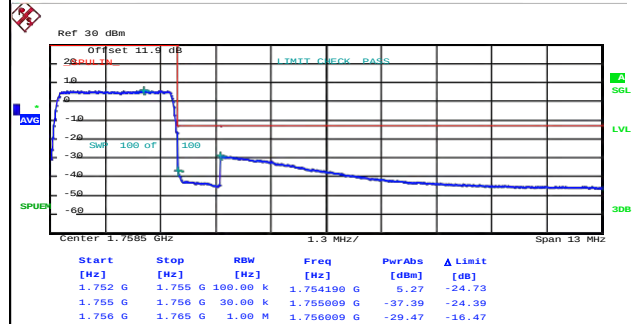
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



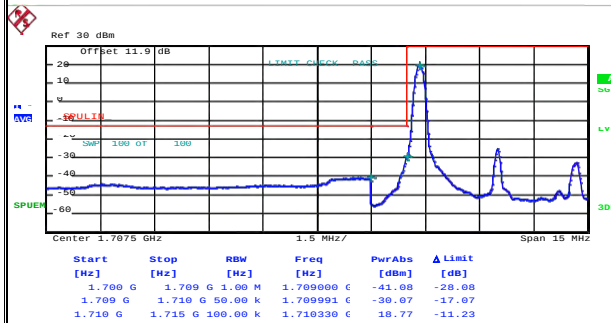
Highest Band Edge / Full RB



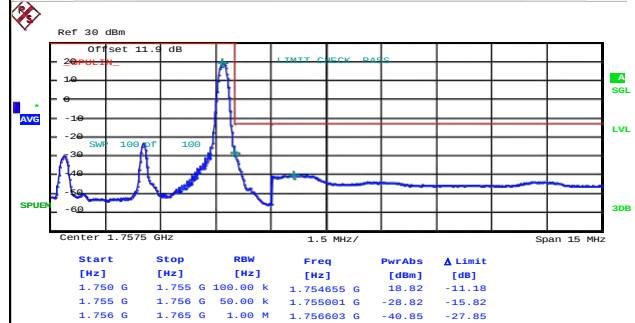


LTE Band 4 / 5MHz / QPSK

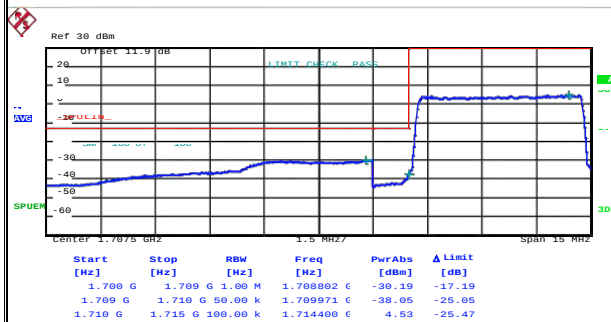
Lowest Band Edge / 1 RB



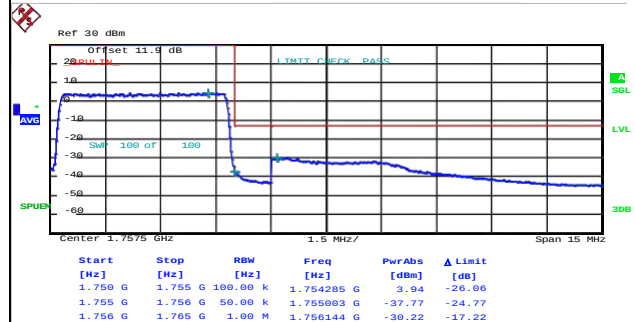
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



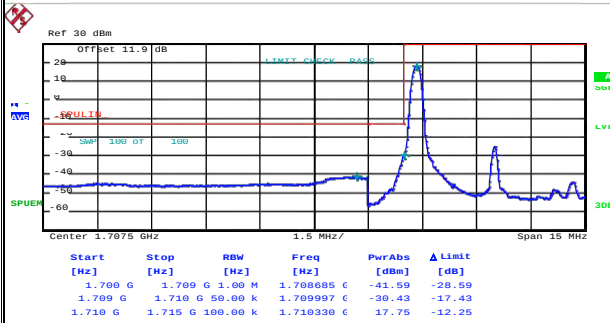
Highest Band Edge / Full RB



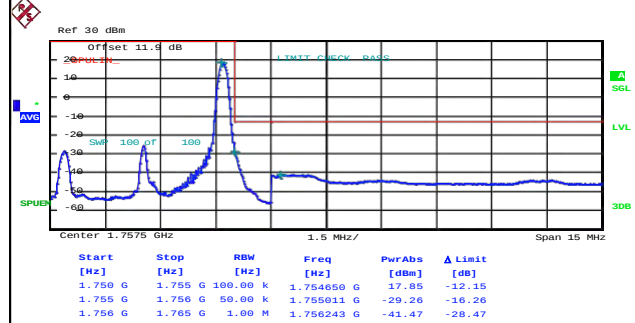


LTE Band 4 / 5MHz / 16QAM

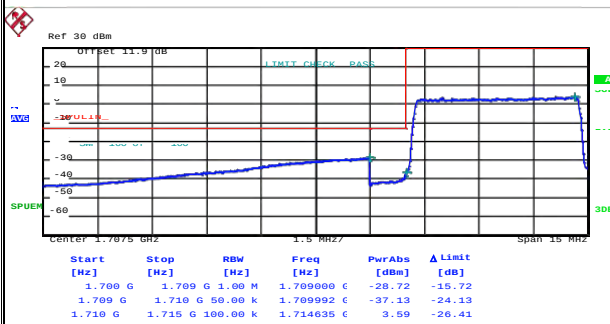
Lowest Band Edge / 1RB



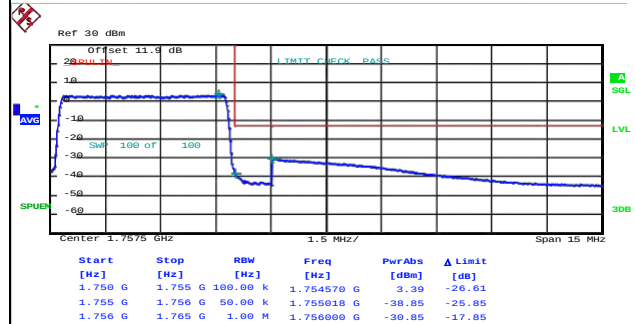
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



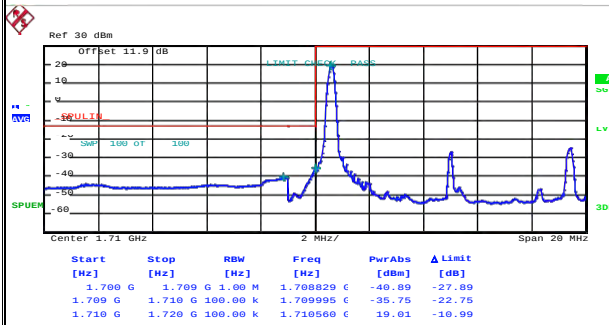
Highest Band Edge / Full RB



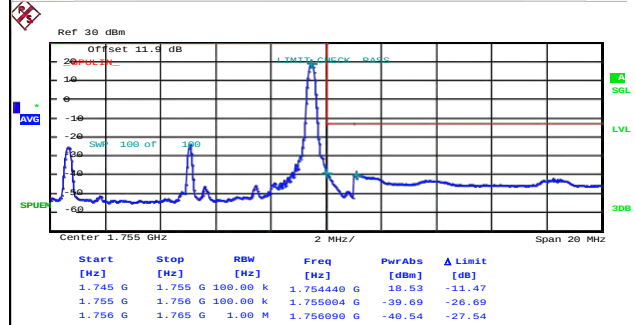


LTE Band 4 / 10MHz / QPSK

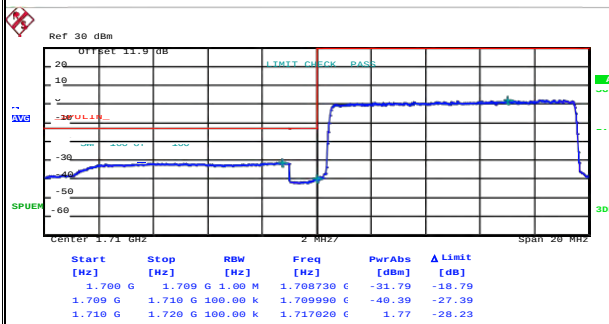
Lowest Band Edge / 1 RB



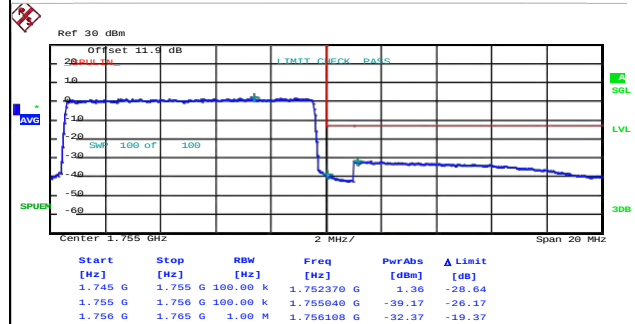
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



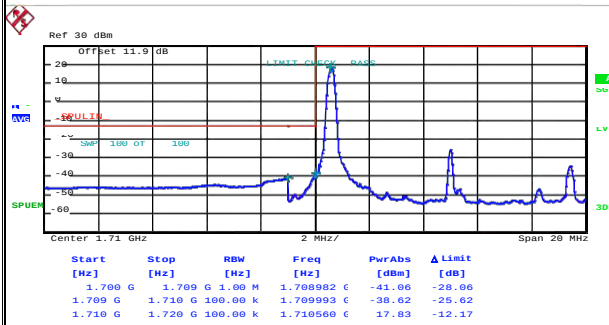
Highest Band Edge / Full RB



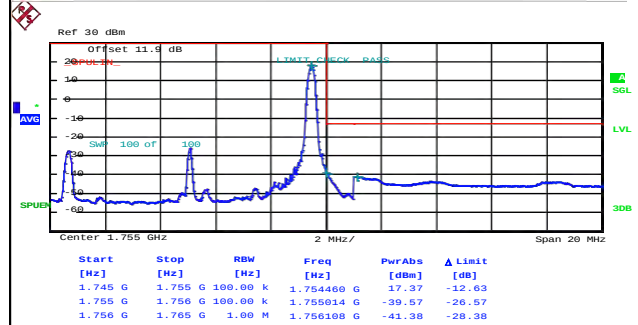


LTE Band 4 / 10MHz / 16QAM

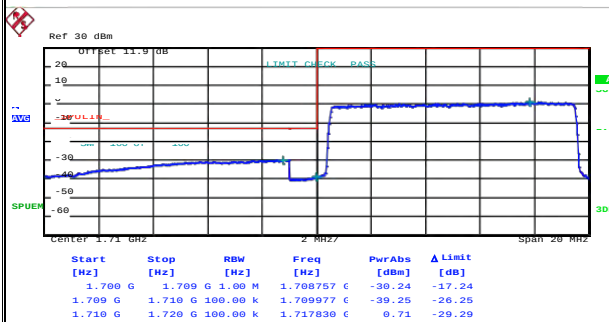
Lowest Band Edge / 1 RB



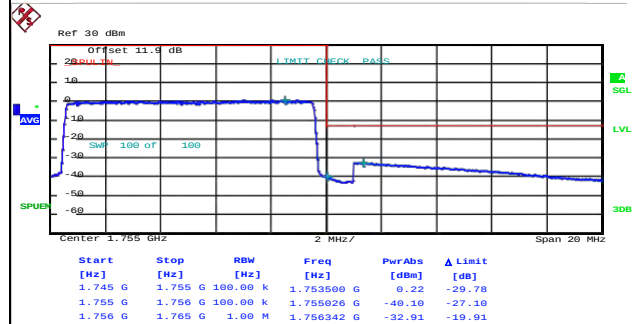
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



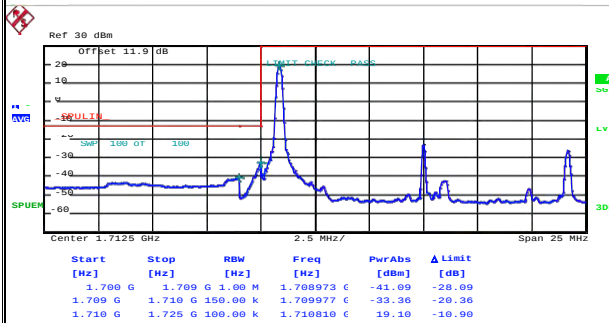
Highest Band Edge / Full RB



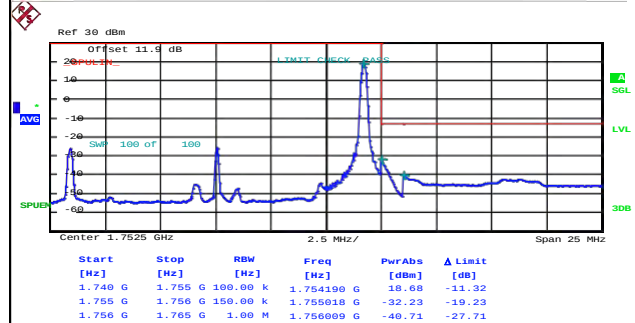


LTE Band 4 / 15MHz / QPSK

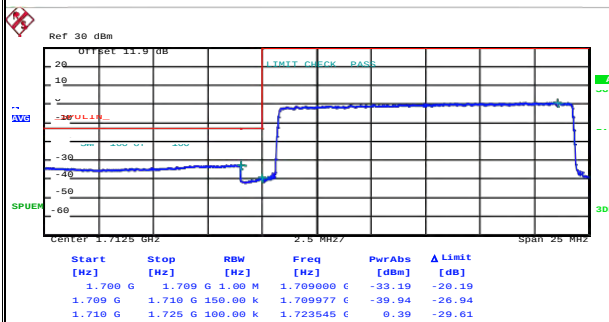
Lowest Band Edge / 1 RB



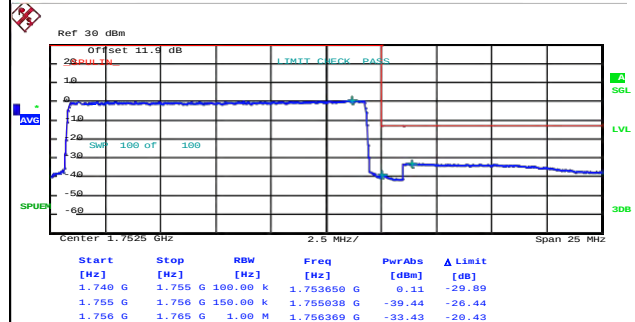
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



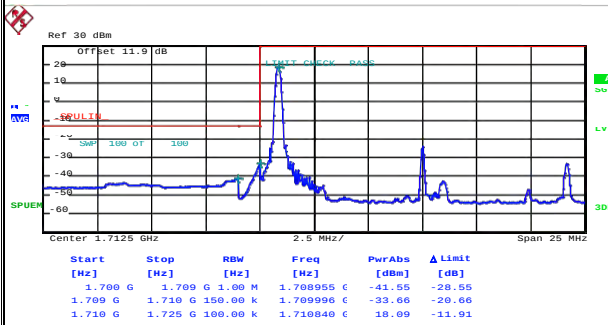
Highest Band Edge / Full RB



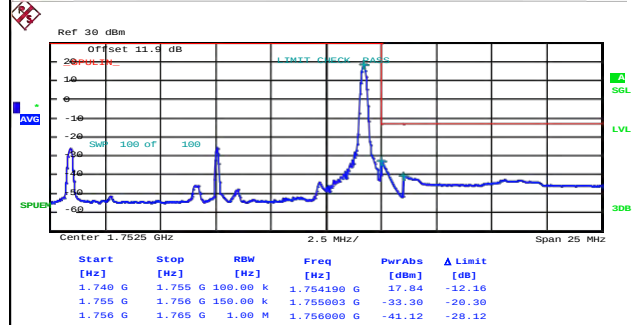


LTE Band 4 / 15MHz / 16QAM

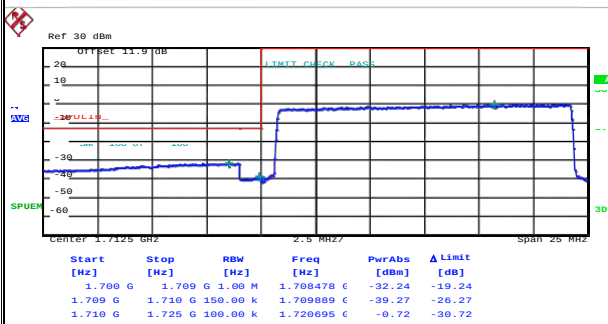
Lowest Band Edge / 1 RB



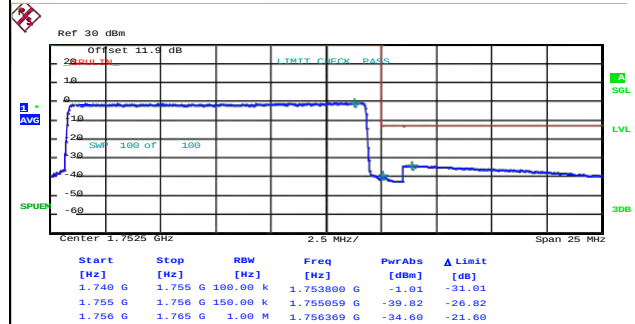
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



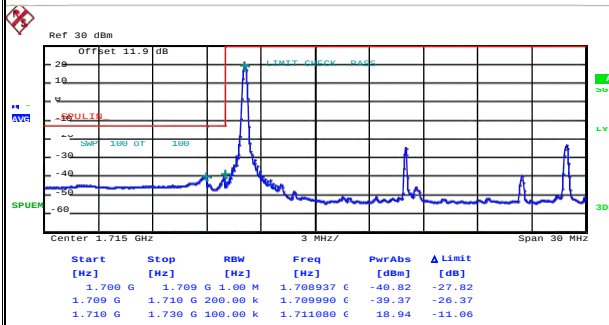
Highest Band Edge / Full RB



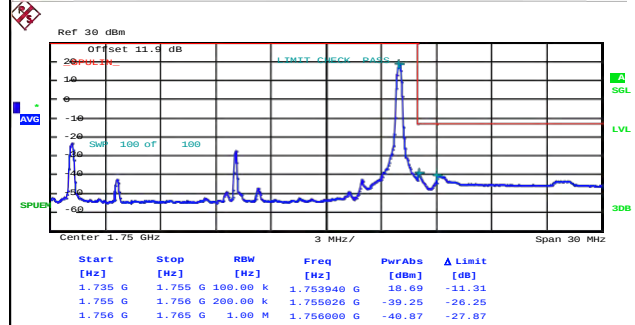


LTE Band 4 / 20MHz / QPSK

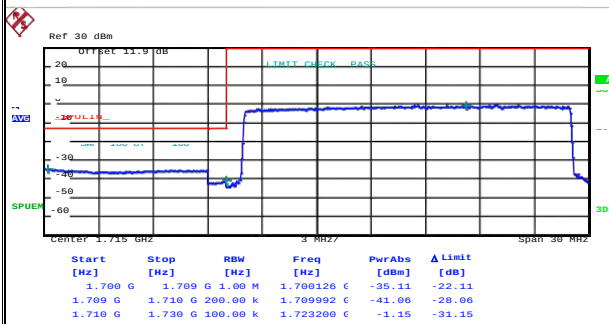
Lowest Band Edge / 1 RB



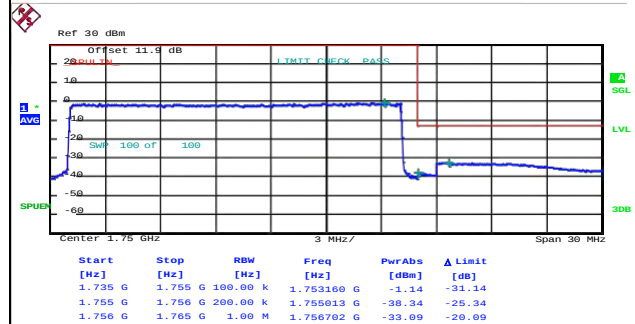
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



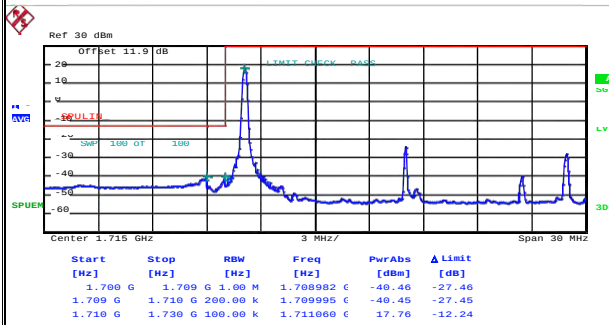
Highest Band Edge / Full RB



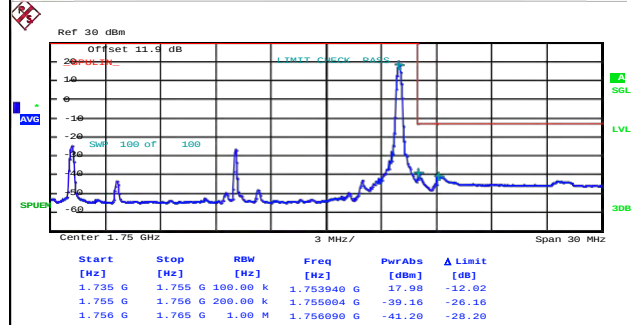


LTE Band 4 / 20MHz / 16QAM

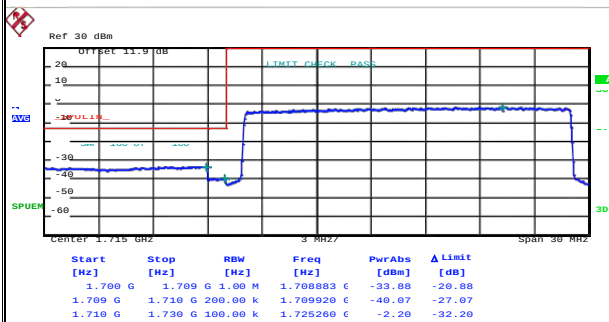
Lowest Band Edge / 1 RB



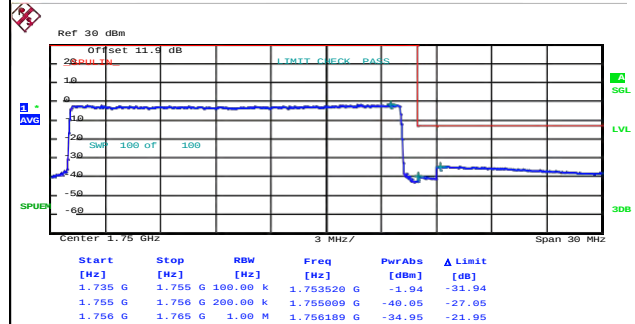
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

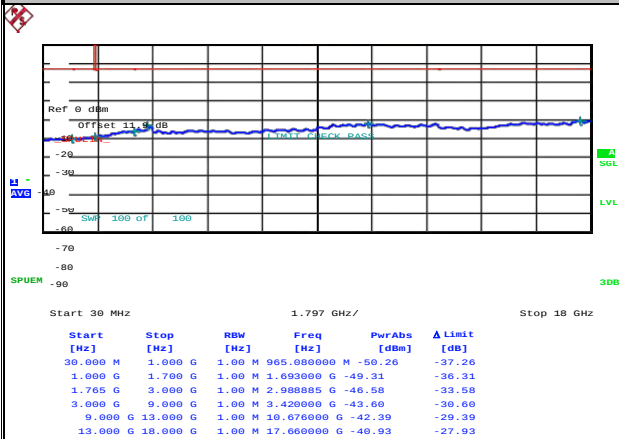




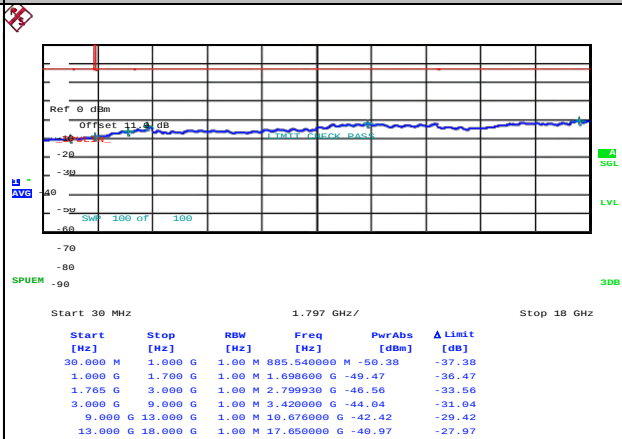
Conducted Spurious Emission

LTE Band 4 / 1.4MHz

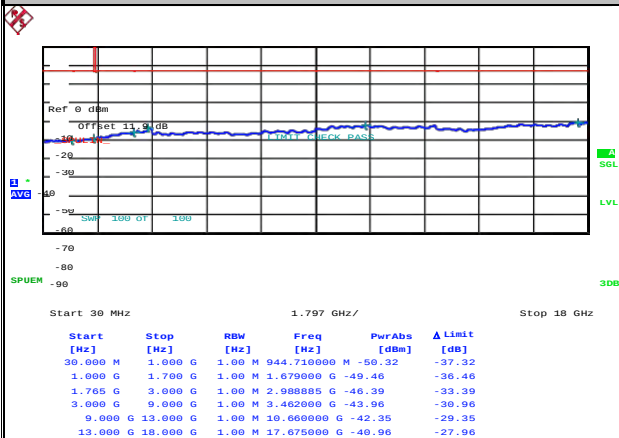
Lowest Channel / QPSK



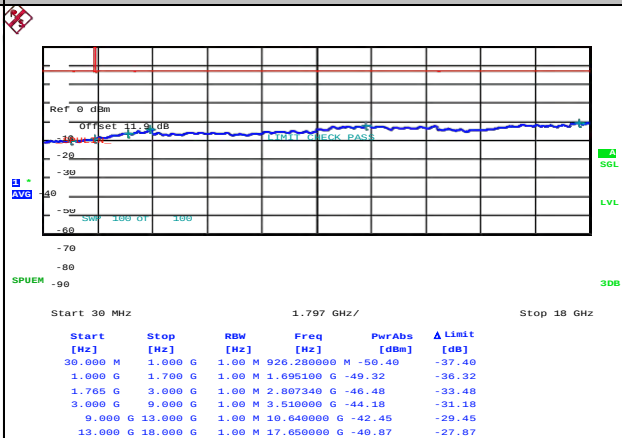
Lowest Channel / 16QAM



Middle Channel / QPSK



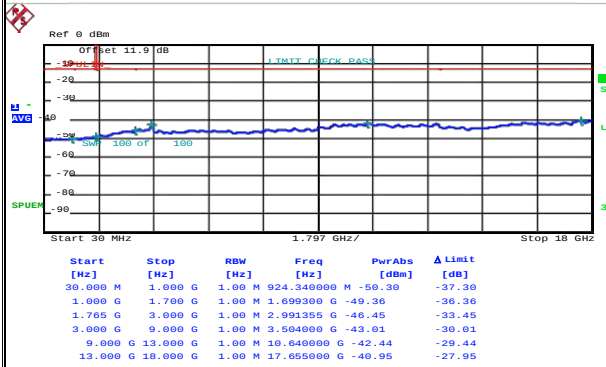
Middle Channel / 16QAM



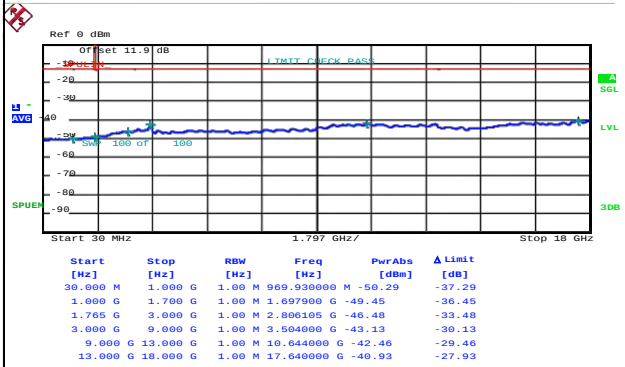


LTE Band 4 / 1.4MHz

Highest Channel / QPSK

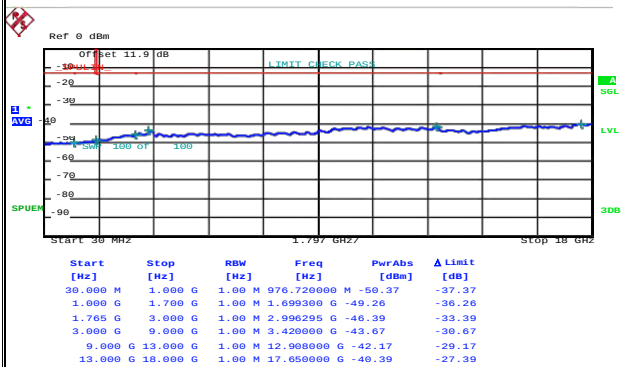


Highest Channel / 16QAM

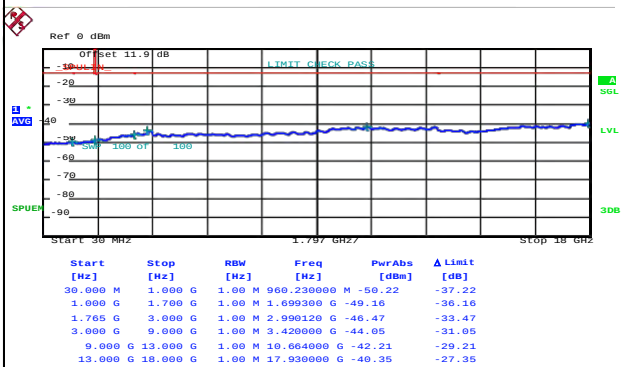


LTE Band 4 / 3MHz

Lowest Channel / QPSK



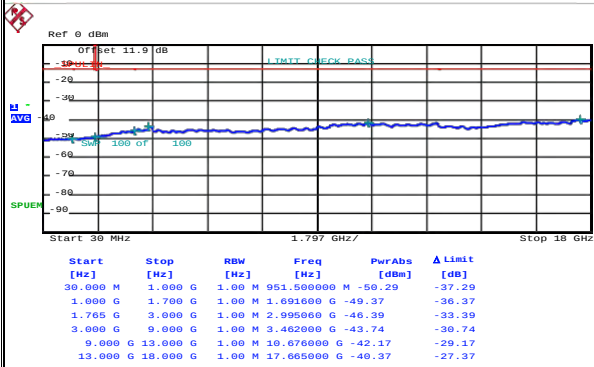
Lowest Channel / 16QAM



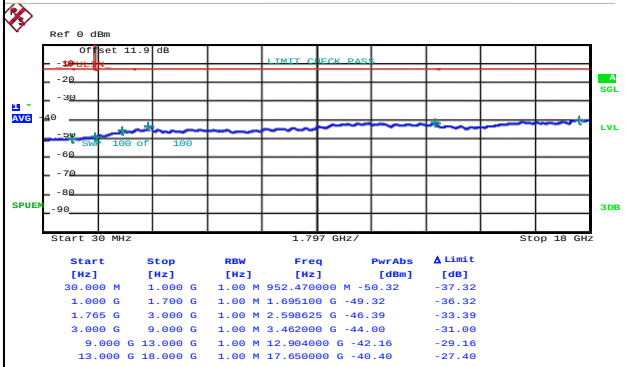


LTE Band 4 / 3MHz

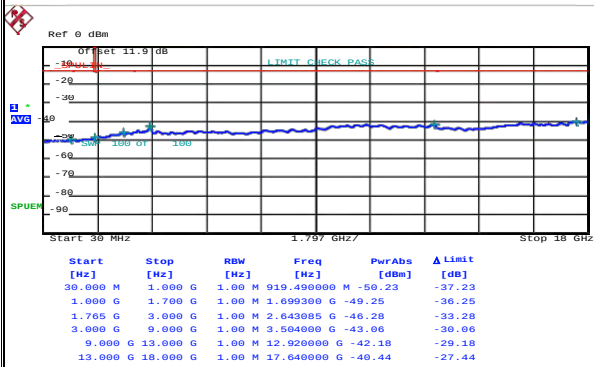
Middle Channel / QPSK



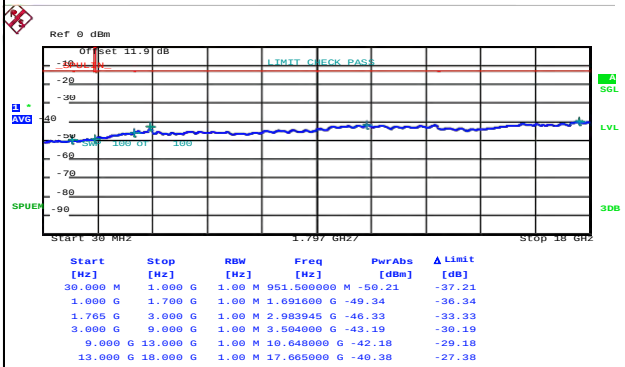
Middle Channel / 16QAM



Highest Channel / QPSK



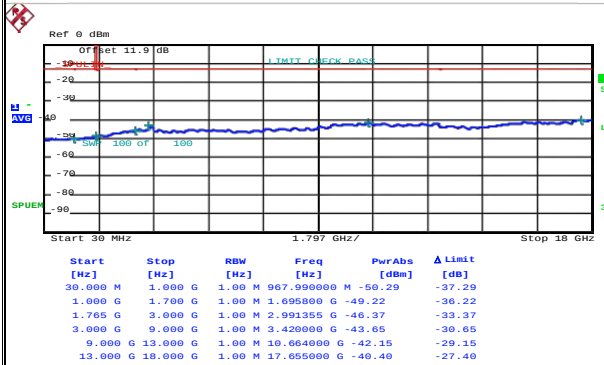
Highest Channel / 16QAM



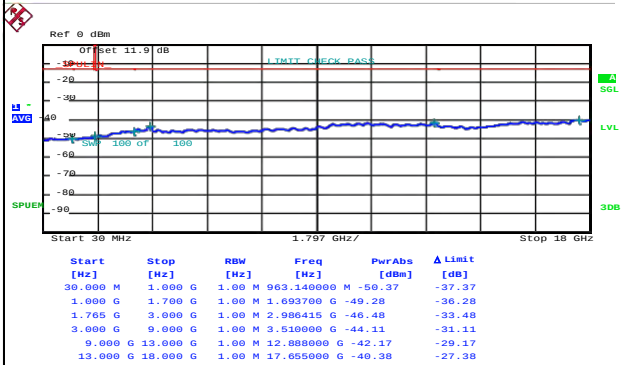


LTE Band 4 / 5MHz

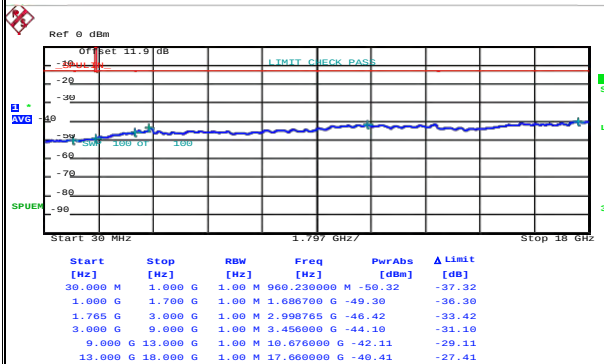
Lowest Channel / QPSK



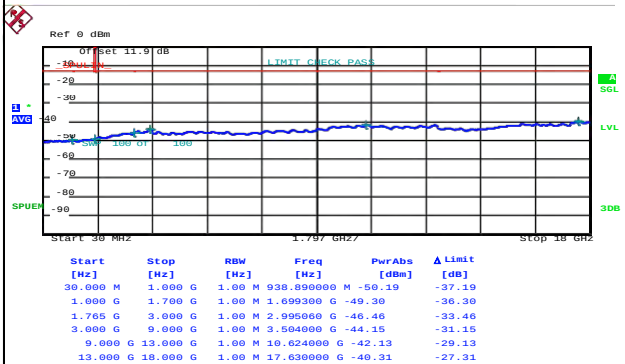
Lowest Channel / 16QAM



Middle Channel / QPSK



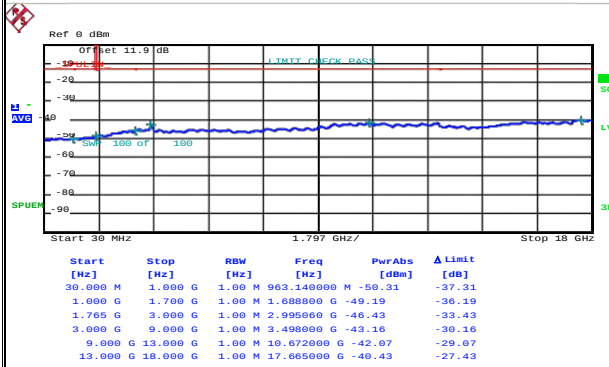
Middle Channel / 16QAM



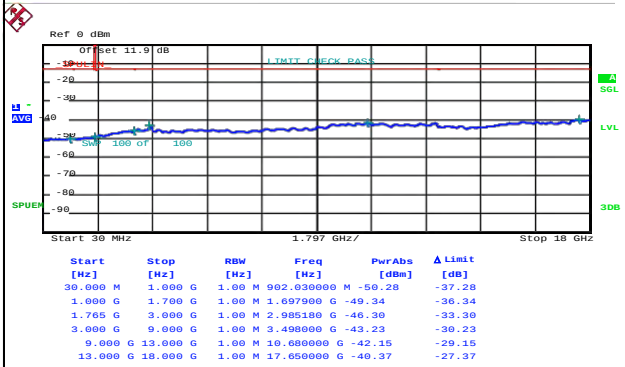


LTE Band 4 / 5MHz

Highest Channel / QPSK

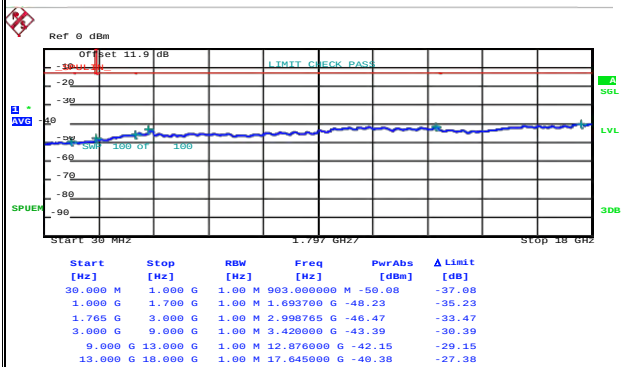


Highest Channel / 16QAM

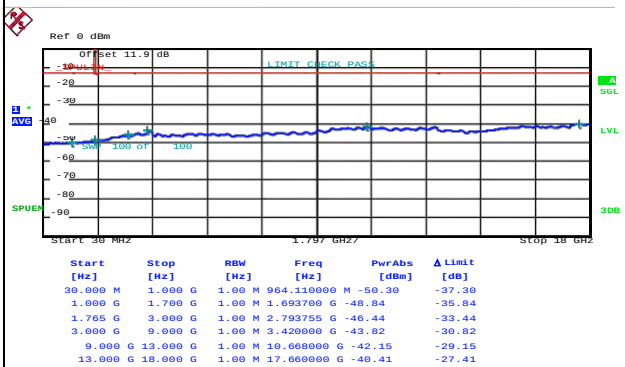


LTE Band 4 / 10MHz

Lowest Channel / QPSK



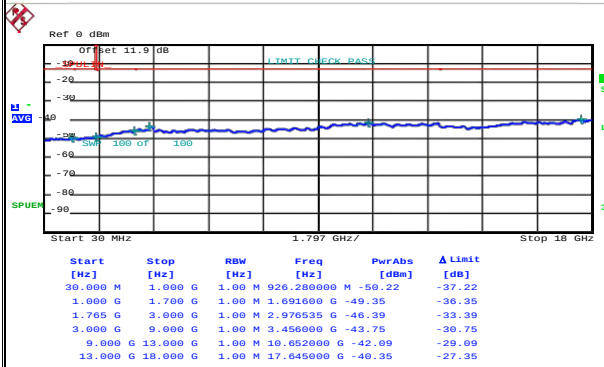
Lowest Channel / 16QAM



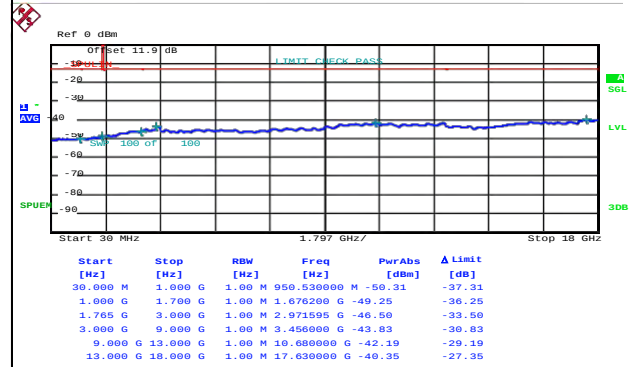


LTE Band 4 / 10MHz

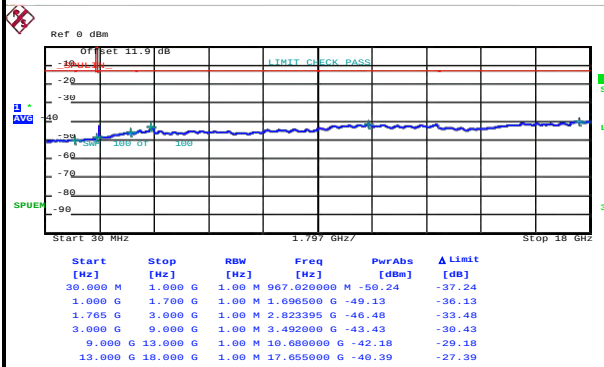
Middle Channel / QPSK



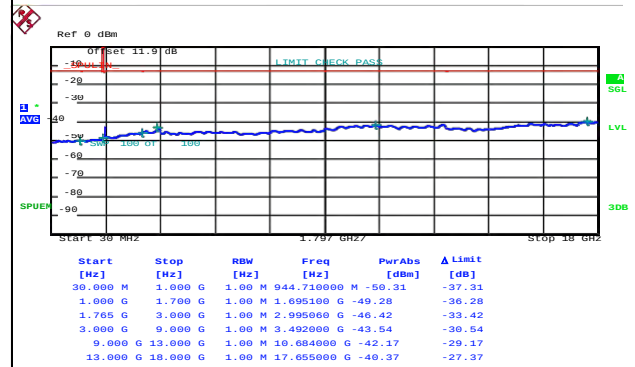
Middle Channel / 16QAM



Highest Channel / QPSK



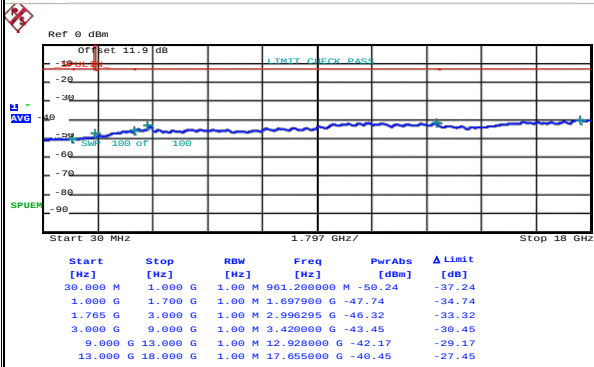
Highest Channel / 16QAM



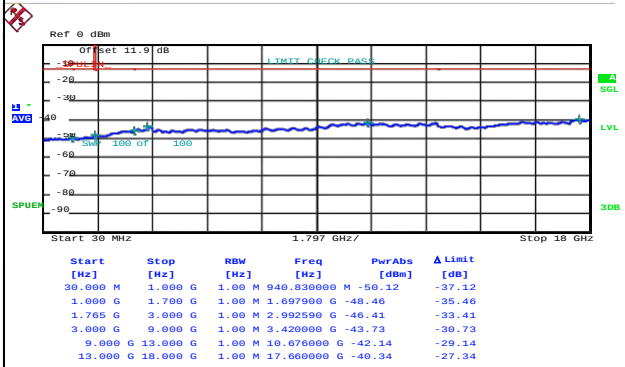


LTE Band 4 / 15MHz

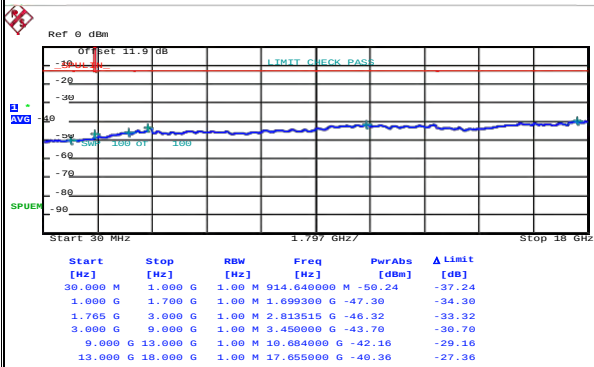
Lowest Channel / QPSK



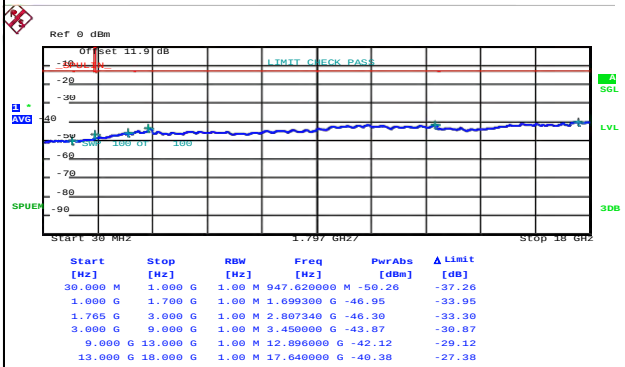
Lowest Channel / 16QAM



Middle Channel / QPSK



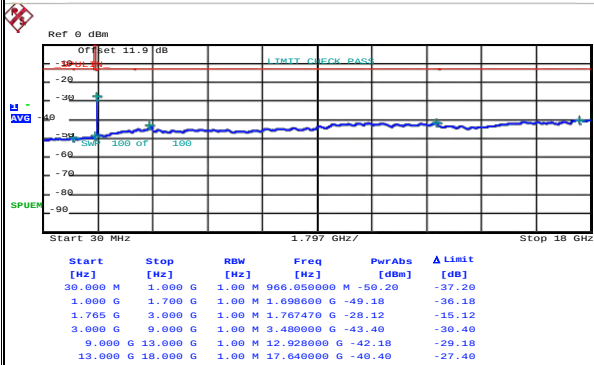
Middle Channel / 16QAM



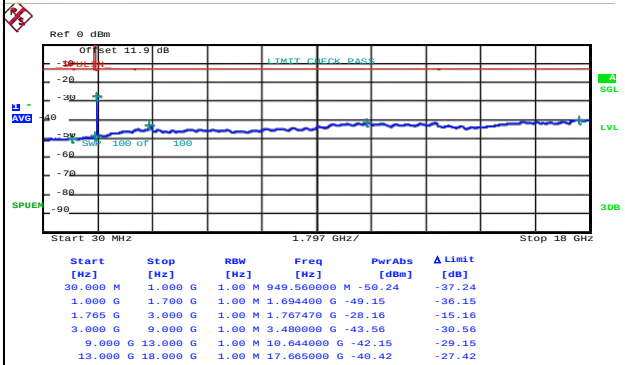


LTE Band 4 / 15MHz

Highest Channel / QPSK

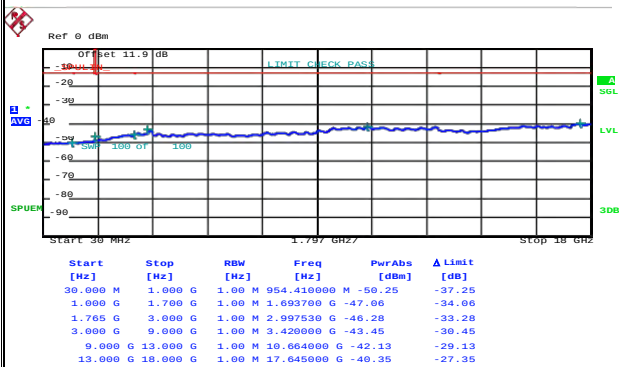


Highest Channel / 16QAM

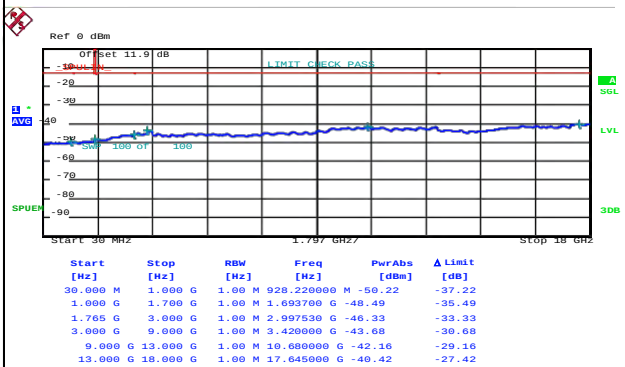


LTE Band 4 / 20MHz

Lowest Channel / QPSK



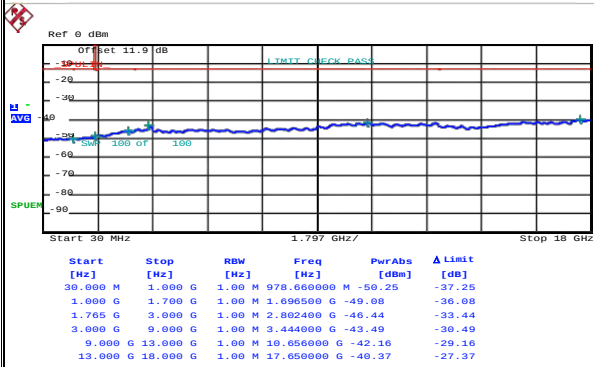
Lowest Channel / 16QAM



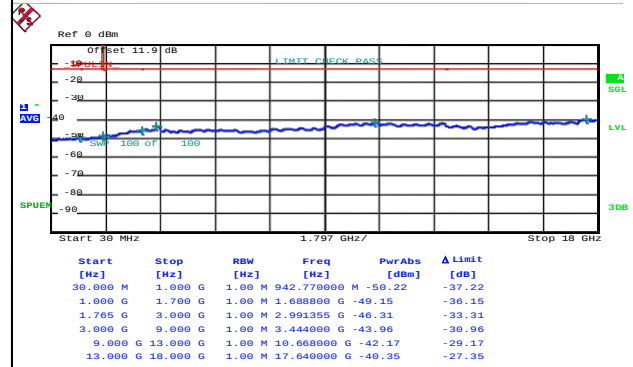


LTE Band 4 / 20MHz

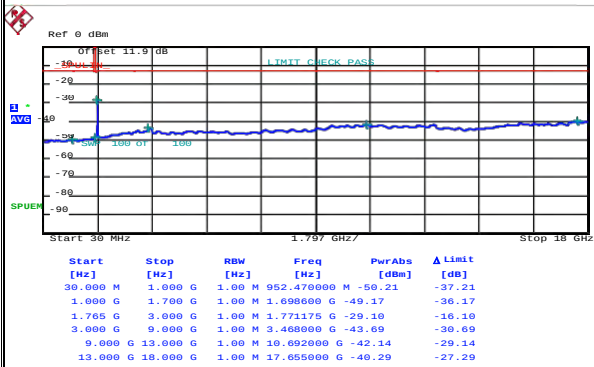
Middle Channel / QPSK



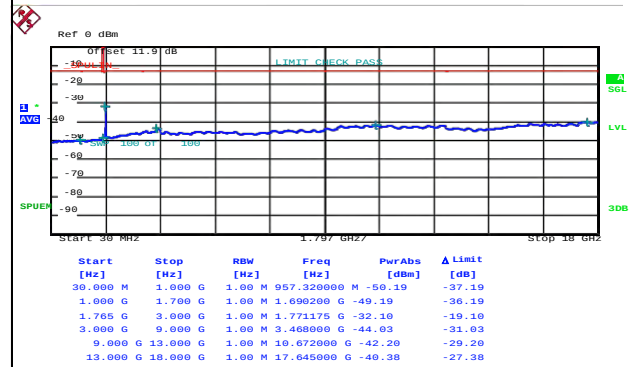
Middle Channel / 16QAM



Highest Channel / QPSK



Highest Channel / 16QAM





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	Min Voltage	0.0008	

Note:

1. Normal Voltage = 120VAC. ; Min Voltage = 102 VAC.; Maximum Voltage =138 VAC
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.