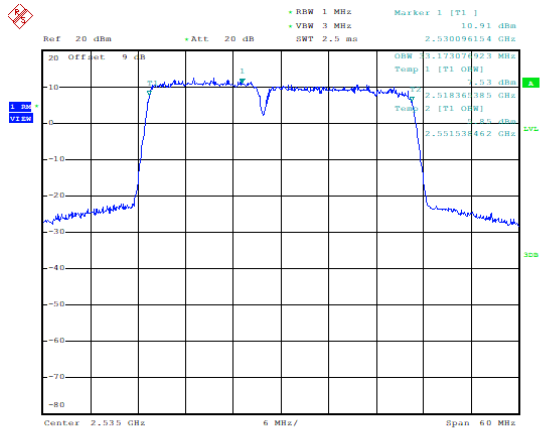
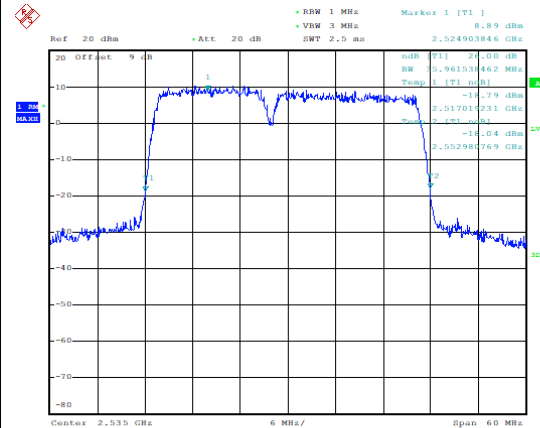
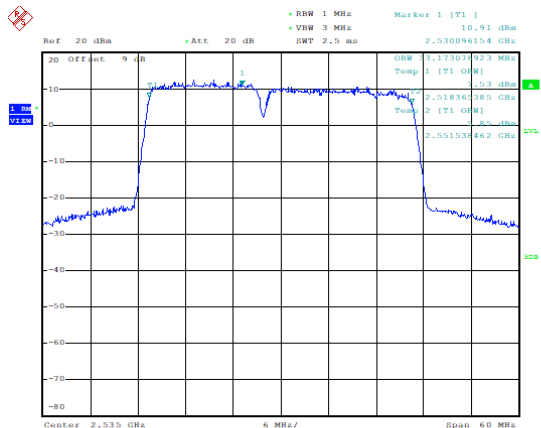




LTE CA-7C, 15MHz+20MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
75@0+100@0		QPSK	16QAM	64QAM
		23.17	23.17	23.17
QPSK(99% BW)		16QAM(99% BW)		
 Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 10.91 dBm, 2.530096154 GHz, 1.17307423 MHz, 1.53 dBm, 2.51836385 GHz, 2.51701231 GHz, 2.55153462 GHz, 2.552980769 GHz Center: 2.535 GHz, 6 MHz, Span: 60 MHz Date: 6.JAN.2008 01:28:02		 Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 10.91 dBm, 2.530096154 GHz, 1.17307423 MHz, 1.53 dBm, 2.51836385 GHz, 2.51701231 GHz, 2.55153462 GHz, 2.552980769 GHz Center: 2.535 GHz, 6 MHz, Span: 60 MHz Date: 6.JAN.2008 08:15:26		
64QAM(99% BW)		/		
 Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 10.91 dBm, 2.530096154 GHz, 1.17307423 MHz, 1.53 dBm, 2.51836385 GHz, 2.51701231 GHz, 2.55153462 GHz, 2.552980769 GHz Center: 2.535 GHz, 6 MHz, Span: 60 MHz Date: 6.JAN.2008 01:28:02		/		

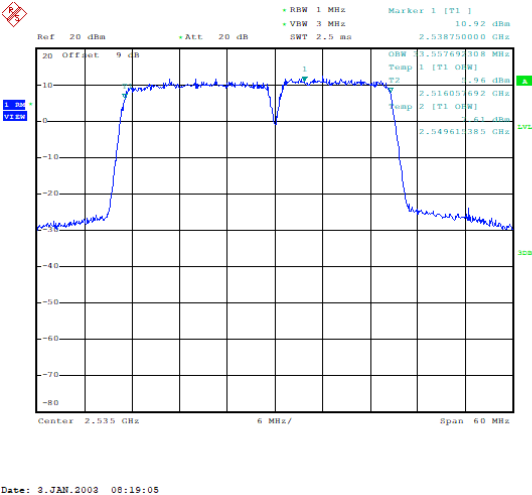
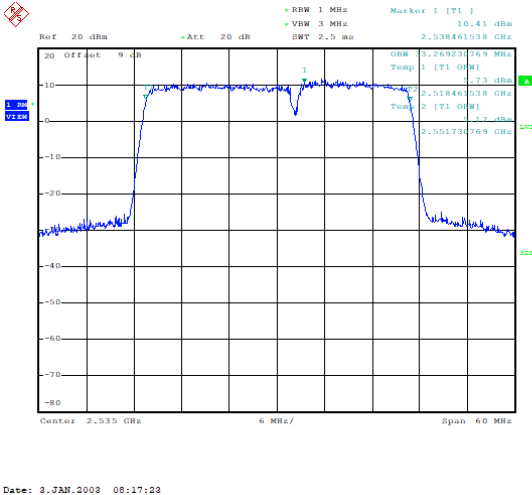
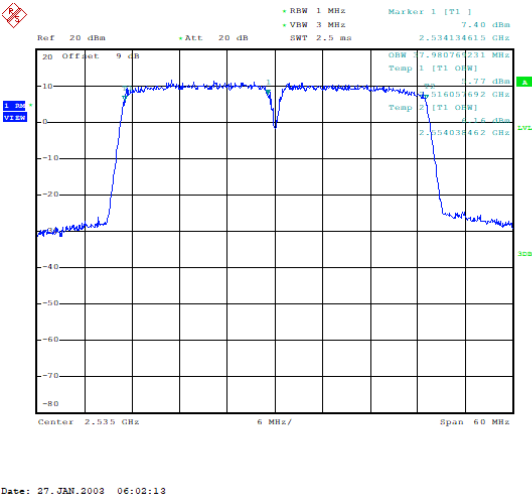
[illegible]

LTE CA-7C, 20MHz+15MHz (99%)

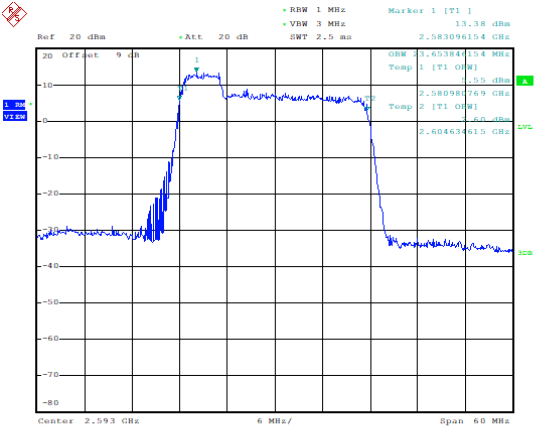
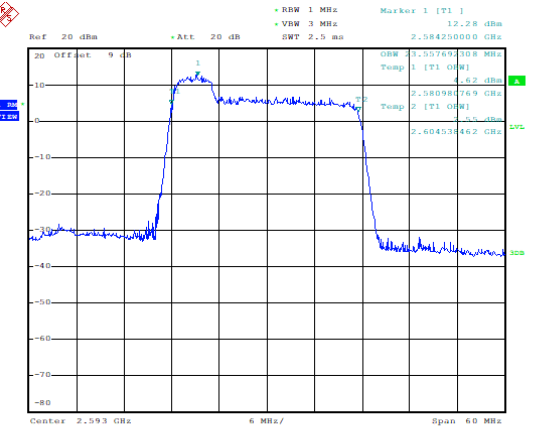
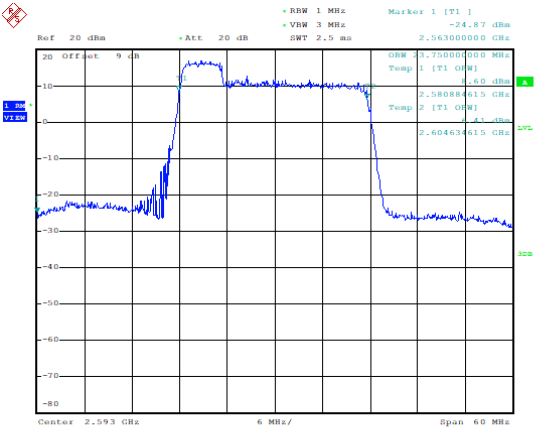
RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (99%)(MHz)		
100@0+75@0	QPSK	16QAM	64QAM
	33.27	33.27	33.27
QPSK(99% BW)	16QAM(99% BW)		
Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 9.54 dBm, 2.524903846 GHz, 1.27 dBm, 2.51846538 GHz, 1.27 dBm, 2.551730769 GHz, 1.27 dBm Center: 2.535 GHz, 6 MHz/, Span: 60 MHz Date: 3.JAN.2008 08:15:59	Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 10.41 dBm, 2.538461538 GHz, 1.73 dBm, 2.51846538 GHz, 1.73 dBm, 2.551730769 GHz, 1.73 dBm Center: 2.535 GHz, 6 MHz/, Span: 60 MHz Date: 3.JAN.2008 08:17:28		
64QAM(99% BW)	/		
Ref: 20 dBm, Att: 20 dB, VSW: 3 MHz, SWT: 2.5 ms, Marker 1 [T1]: 9.42 dBm, 2.535288462 GHz, 1.18 dBm, 2.51846538 GHz, 1.18 dBm, 2.551730769 GHz, 1.18 dBm Center: 2.535 GHz, 6 MHz/, Span: 60 MHz Date: 27.JAN.2008 06:00:24	/		



LTE CA-7C, 20MHz+20MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
100@0+100@0	33.56	37.98	37.99
QPSK(99% BW)	16QAM(99% BW)		
			
64QAM(99% BW)	/		
	/		

LTE CA-41C, 5MHz+20MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (99%)(MHz)		
25@0+100@0	QPSK	16QAM	64QAM
	23.65	23.55	23.75
QPSK(99% BW)	16QAM(99% BW)		
 Date: 13.JAN.2008 05:58:04	 Date: 13.JAN.2008 05:59:06		
64QAM(99% BW)	/		
 Date: 27.JAN.2008 06:31:11	/		



LTE CA-41C, 10MHz+20MHz (99%)

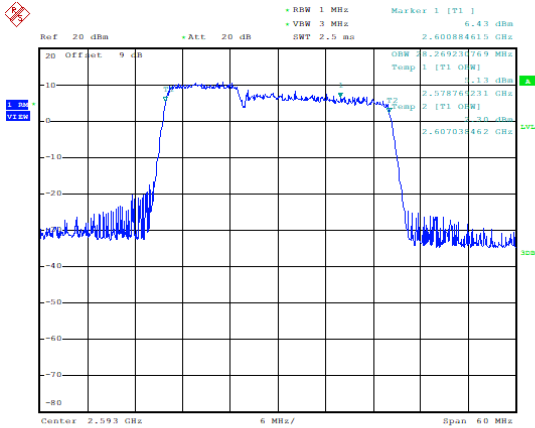
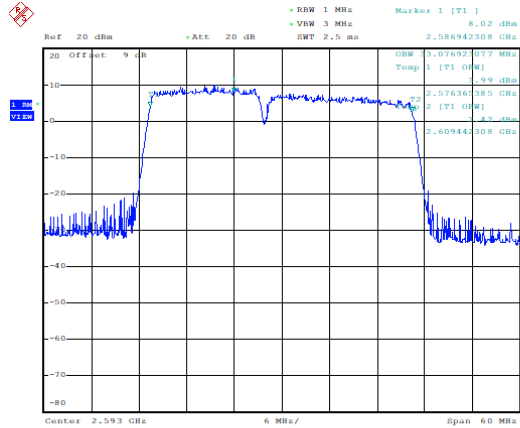
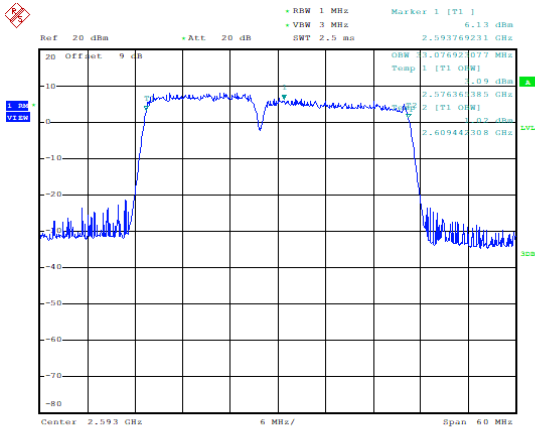
RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
50@0+100@0		QPSK	16QAM	64QAM
		28.27	28.37	28.37
QPSK(99% BW)		16QAM(99% BW)		
64QAM(99% BW)		/		
		/		



RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
75@0+75@0		QPSK	16QAM	64QAM
		28.94	28.94	28.94
QPSK(99% BW)		16QAM(99% BW)		
Ref: 20 dBm, Att: 20 dB, SWT: 2.5 ms, RBW: 1 MHz, VBW: 3 MHz, Marker 1 [T1]: 7.03 dBm, 2.60521538 GHz, -13.6 dBm, Temp 1 [T1 OFF], Temp 2 [T1 OFF], 2.57848769 GHz, 2.60742577 GHz, Center: 2.593 GHz, 6 MHz, Span: 60 MHz, Date: 13 JAN 2003 06:06:25		Ref: 20 dBm, Att: 20 dB, SWT: 2.5 ms, RBW: 1 MHz, VBW: 3 MHz, Marker 1 [T1]: 7.13 dBm, 2.582038462 GHz, -9.99 dBm, Temp 1 [T1 OFF], Temp 2 [T1 OFF], 2.57848769 GHz, 2.60742577 GHz, Center: 2.593 GHz, 6 MHz, Span: 60 MHz, Date: 13 JAN 2003 06:07:15		
64QAM(99% BW)		/		
Ref: 20 dBm, Att: 20 dB, SWT: 2.5 ms, RBW: 1 MHz, VBW: 3 MHz, Marker 1 [T1]: 10.91 dBm, 2.589614615 GHz, -14.4 dBm, Temp 1 [T1 OFF], Temp 2 [T1 OFF], 2.57848769 GHz, 2.60742577 GHz, Center: 2.593 GHz, 6 MHz, Span: 60 MHz, Date: 27 JAN 2003 06:42:50		/		



LTE CA-41C, 15MHz+20MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
75@0+100@0		QPSK	16QAM	64QAM
		28.26	33.08	33.08
QPSK(99% BW)		16QAM(99% BW)		
 Date: 13.JAN.2008 06:40:47		 Date: 13.JAN.2008 06:41:31		
64QAM(99% BW)		/		
 Date: 13.JAN.2008 06:08:42		/		



LTE CA-41C, 20MHz+5MHz (99%)

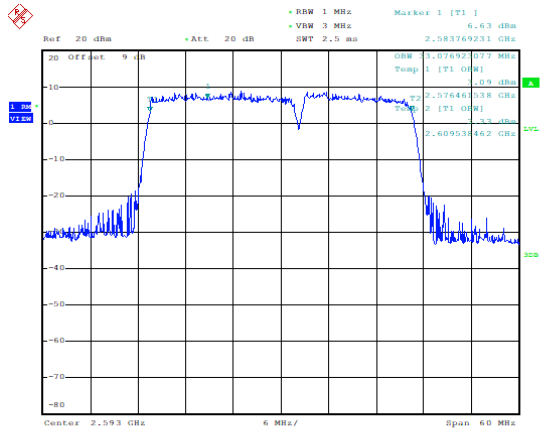
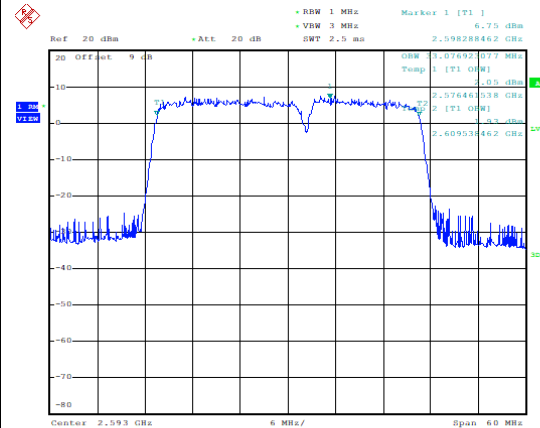
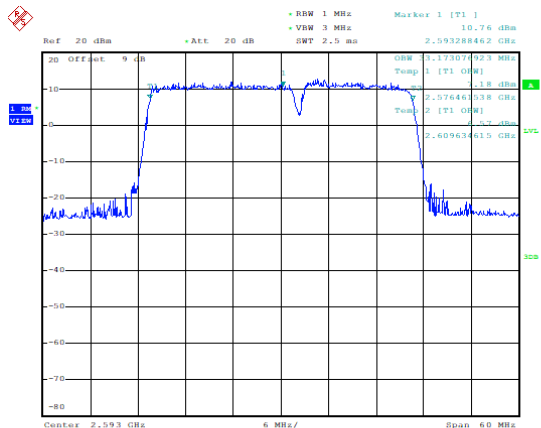
RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
100@0+25@0		QPSK	16QAM	64QAM
		23.75	23.65	23.75
QPSK(99% BW)		16QAM(99% BW)		
64QAM(99% BW)		/		
		/		

LTE CA-41C, 20MHz+10MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (99%)(MHz)		
100@0+50@0	QPSK	16QAM	64QAM
	28.46	28.37	23.75
QPSK(99% BW)	16QAM(99% BW)		
64QAM(99% BW)	/		
	/		

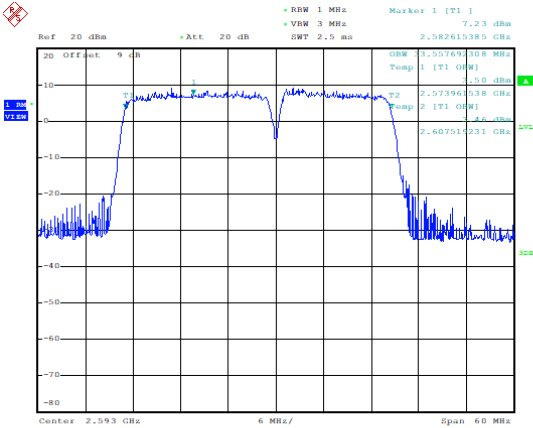
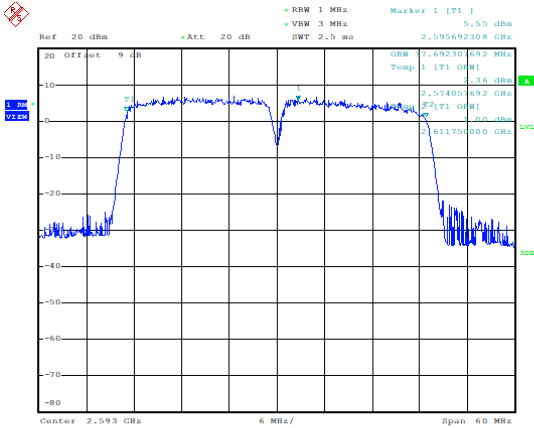
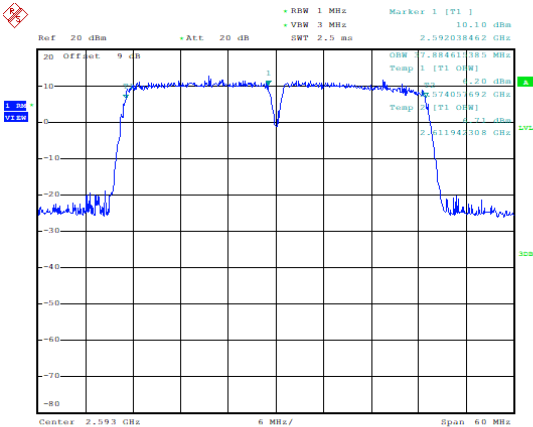


LTE CA-41C, 20MHz+15MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
100@0+75@0	33.08	33.08	33.17
QPSK(99% BW)	16QAM(99% BW)		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 6.62 dBm RBW 1 MHz VBW 3 MHz Temp 1 [T1 OFF] 2.583769231 GHz 1.09 dBm Temp 2 [T1 OFF] 2.576465338 GHz 1.33 dBm Temp 3 [T1 OFF] 2.609538462 GHz 1.33 dBm Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 19.JAN.2008 06:09:28	 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 6.75 dBm RBW 1 MHz VBW 3 MHz Temp 1 [T1 OFF] 2.598288462 GHz 1.09 dBm Temp 2 [T1 OFF] 2.576465338 GHz 1.33 dBm Temp 3 [T1 OFF] 2.609538462 GHz 1.33 dBm Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 19.JAN.2008 06:10:09		
64QAM(99% BW)	/		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 10.76 dBm RBW 1 MHz VBW 3 MHz Temp 1 [T1 OFF] 2.593288462 GHz 1.09 dBm Temp 2 [T1 OFF] 2.576465338 GHz 1.33 dBm Temp 3 [T1 OFF] 2.609538462 GHz 1.33 dBm Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 27.JAN.2008 06:44:22	/		



LTE CA-41C, 20MHz+20MHz (99%)

RB Allocations(PCC)/ RB Allocations(SCC)		Occupied Bandwidth (99%)(MHz)		
100@0+100@0		QPSK	16QAM	64QAM
		33.36	37.69	37.88
QPSK(99% BW)		16QAM(99% BW)		
 Date: 19.JAN.2008 06:11:26		 Date: 19.JAN.2008 06:12:04		
64QAM(99% BW)		/		
 Date: 27.JAN.2008 06:45:59		/		

6.5. Emission Bandwidth

Reference

No specific occupied bandwidth requirements in RSS-Gen: 6.7.

6.5.1 Emission Bandwidth Results

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

LTE band 2, 1.4MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1880.0	QPSK	16QAM	64QAM
	1.32	1.32	1.31
QPSK (-26dBc)		16QAM (-26dBc)	
Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VBW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 1.880168269 GHz, 5.24 dBm, BW: 1.32211385 MHz, Temp 1 [T1 nB]: -24.82 dBm, 1.879342849 GHz, Temp 2 [T1 nB]: -29.78 dBm, 1.880663064 GHz		Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VBW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 1.879863782 GHz, 4.80 dBm, BW: 1.32211385 MHz, Temp 1 [T1 nB]: -24.97 dBm, 1.879333356 GHz, Temp 2 [T1 nB]: -21.09 dBm, 1.880653051 GHz	
64QAM (-26dBc)		/	
		/	
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 20 kHz, VBW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 1.879575321 GHz, 3.43 dBm, BW: 1.32211385 MHz, Temp 1 [T1 nB]: -21.61 dBm, 1.879333013 GHz, Temp 2 [T1 nB]: -21.73 dBm, 1.880641026 GHz			

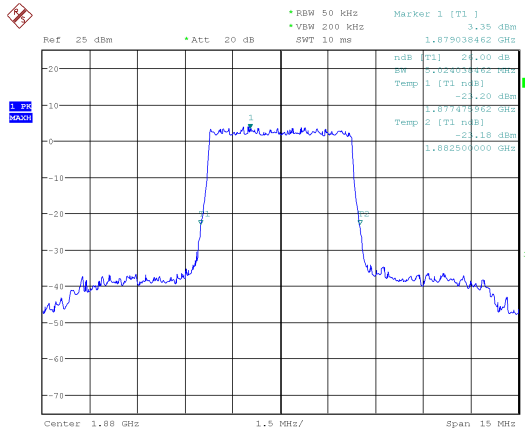
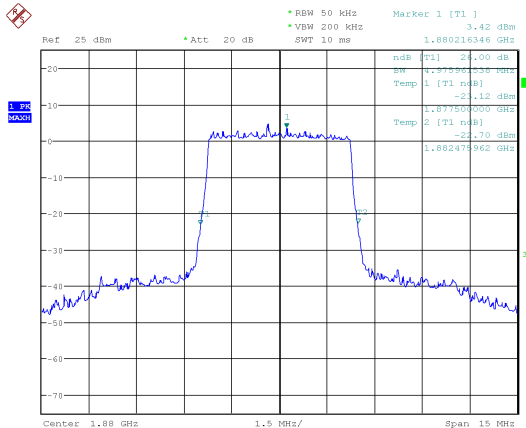
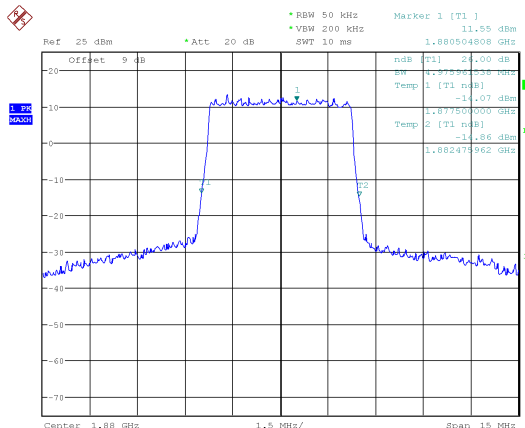


LTE band 2, 3MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1880.0		QPSK	16QAM	64QAM
		3.01	2.97	3.00
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		



LTE band 2, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1880.0		QPSK	16QAM	64QAM
		5.02	4.96	4.98
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



LTE band 2, 10MHz (-26dBc)

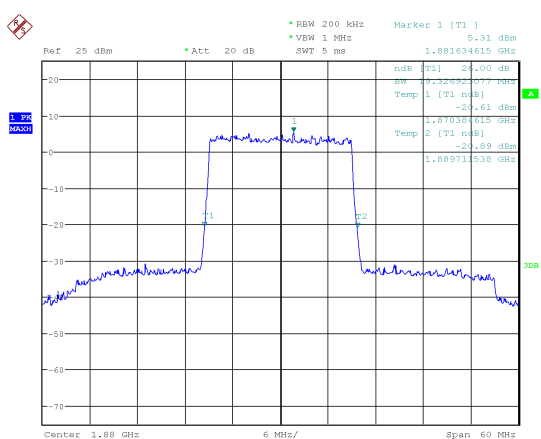
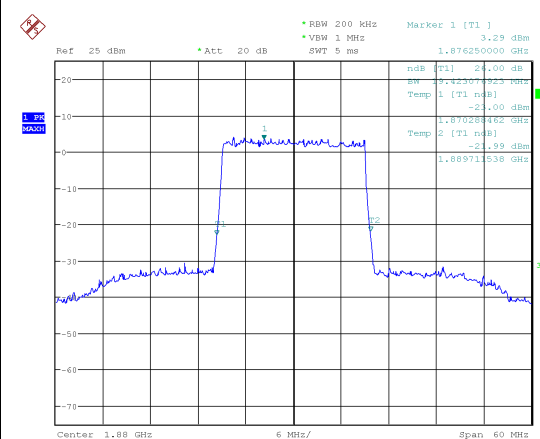
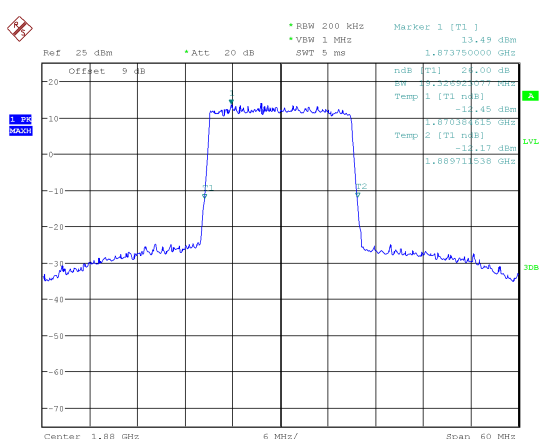
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1880.0		QPSK	16QAM	64QAM
		9.86	9.86	9.76
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

LTE band 2, 15MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1880.0	QPSK	16QAM	64QAM
	14.86	14.71	14.71
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 1.875024038 GHz, 5.14 dBm. nB [T1]: 24.00 dB, BW [T1]: 14.86 MHz, Temp 1 [T1 nB]: -21.13 dBm, Temp 2 [T1 nB]: -19.00 dBm. Center: 1.88 GHz, Span: 45 MHz.	Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 1.881081731 GHz, 4.23 dBm. nB [T1]: 24.00 dB, BW [T1]: 14.71 MHz, Temp 1 [T1 nB]: -21.15 dBm, Temp 2 [T1 nB]: -20.74 dBm. Center: 1.88 GHz, Span: 45 MHz.		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 1.873758077 GHz, 13.90 dBm. nB [T1]: 24.00 dB, BW [T1]: 14.71 MHz, Temp 1 [T1 nB]: -11.52 dBm, Temp 2 [T1 nB]: -11.03 dBm. Center: 1.88 GHz, Span: 45 MHz.	/		



LTE band 2, 20MHz (-26dBc)

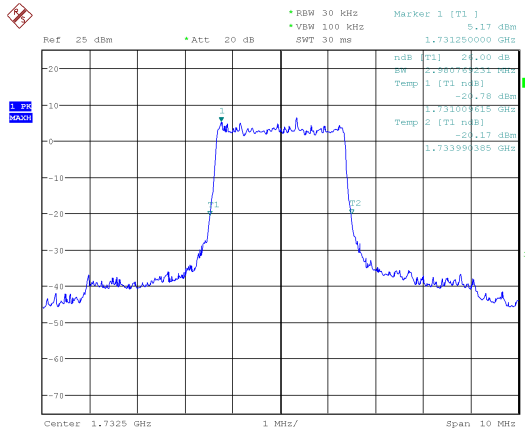
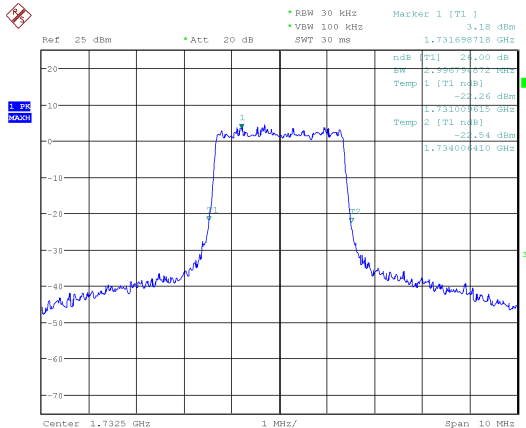
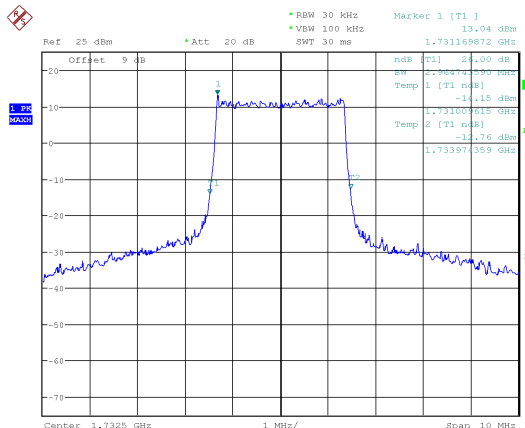
Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1880.0	QPSK	16QAM	64QAM
	19.33	19.42	19.33
QPSK (-26dBc)	16QAM (-26dBc)		
 QPSK (-26dBc) Date: 14.JUL.2021 14:30:52	 16QAM (-26dBc) Date: 14.JUL.2021 14:31:51		
64QAM (-26dBc)	/		
 64QAM (-26dBc) Date: 26.AUG.2021 10:11:59	/		



LTE band 4, 1.4MHz (-26dBc)

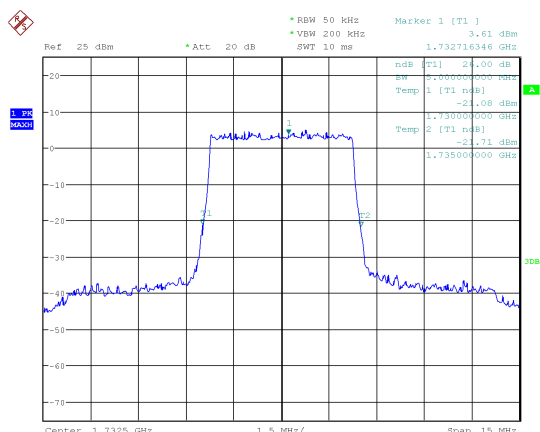
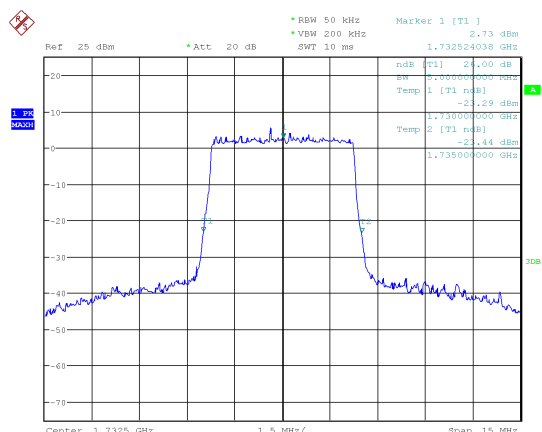
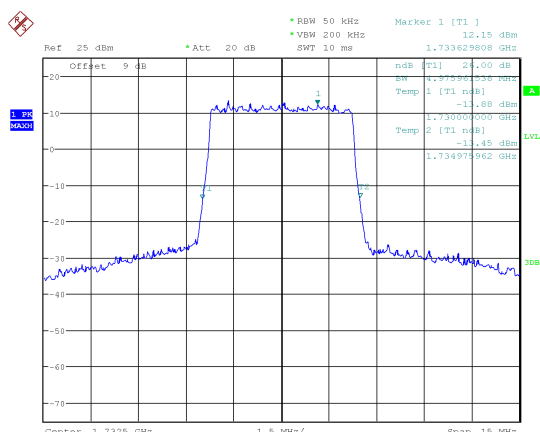
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1732.5		QPSK	16QAM	64QAM
		1.35	1.30	1.32
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

LTE band 4, 3MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1732.5		QPSK	16QAM	64QAM
		2.98	2.30	2.96
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 1731250000 GHz, 5.17 dBm, nB: [T1]: 24.00 dBm, BW: 3.00 MHz, Temp 1 [T1 nB]: -29.17 dBm, 1.731009615 GHz, Temp 2 [T1 nB]: -29.17 dBm, 1.733994385 GHz Center: 1.7325 GHz, 1 MHz/Div, Span: 10 MHz Date: 14.JUL.2021 14:58:33		 Ref: 25 dBm, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 1731698718 GHz, 3.18 dBm, nB: [T1]: 24.00 dBm, BW: 3.00 MHz, Temp 1 [T1 nB]: -22.54 dBm, 1.731009615 GHz, Temp 2 [T1 nB]: -22.54 dBm, 1.734004410 GHz Center: 1.7325 GHz, 1 MHz/Div, Span: 10 MHz Date: 14.JUL.2021 14:59:32		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 1731169872 GHz, 13.04 dBm, nB: [T1]: 24.00 dBm, BW: 3.00 MHz, Temp 1 [T1 nB]: -12.76 dBm, 1.731009615 GHz, Temp 2 [T1 nB]: -12.76 dBm, 1.733994385 GHz Center: 1.7325 GHz, 1 MHz/Div, Span: 10 MHz Date: 26.AUG.2021 10:15:40		/		



LTE band 4, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)			
1732.5		QPSK	16QAM	64QAM	
		5.00	5.00	4.98	
QPSK (-26dBc)		16QAM (-26dBc)			
					
64QAM (-26dBc)		/			
		/			



LTE band 4, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1732.5		QPSK	16QAM	64QAM
		9.86	9.81	9.86
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

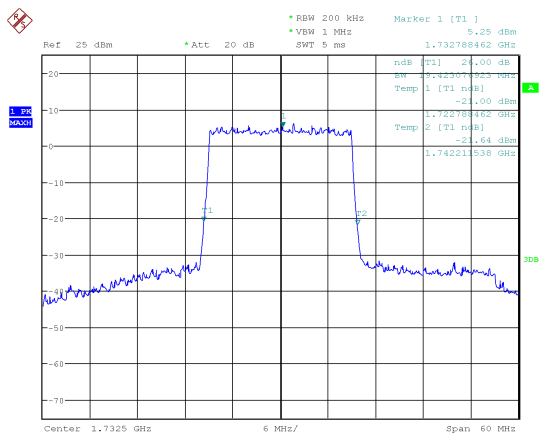
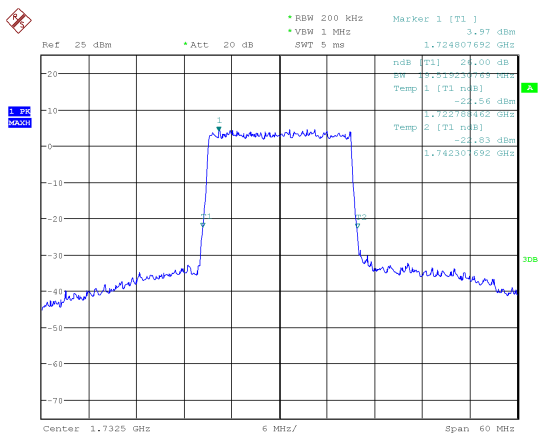
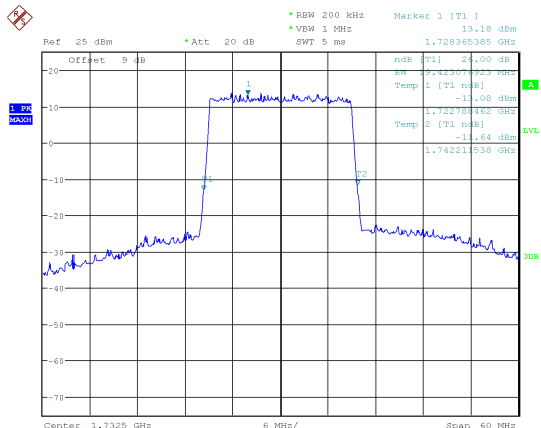


LTE band 4, 15MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1732.5		QPSK	16QAM	64QAM
		14.78	14.78	14.78
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

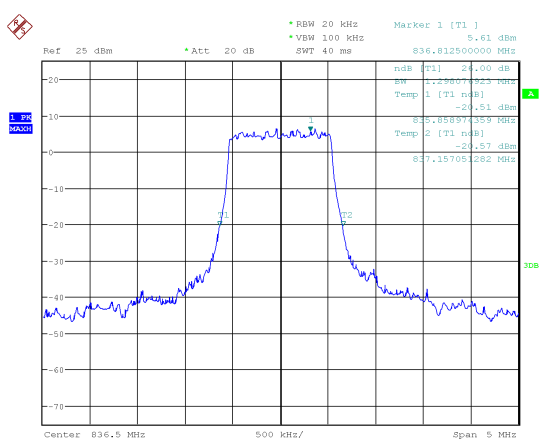
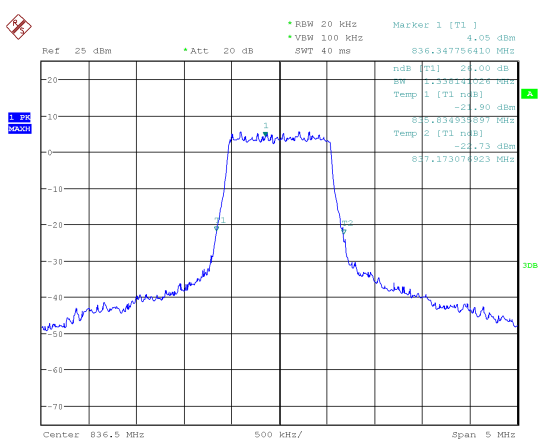
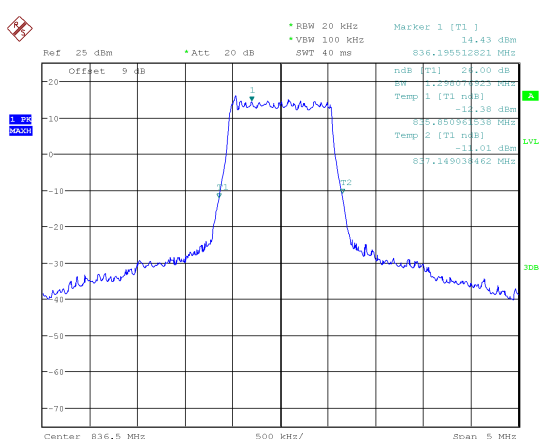


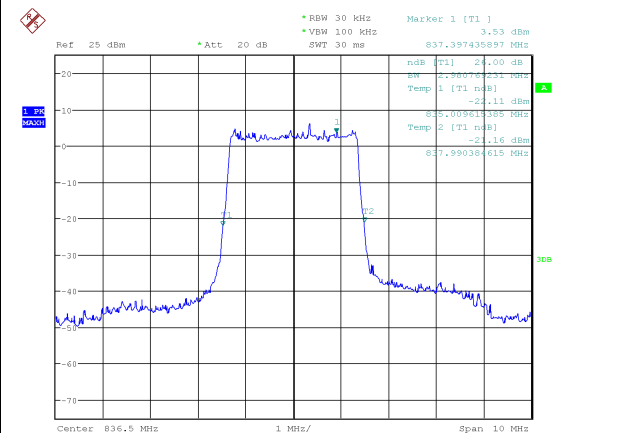
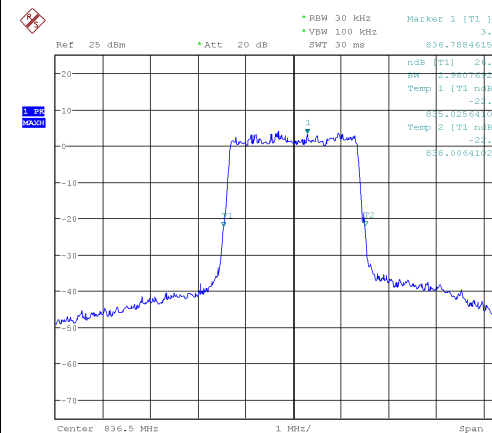
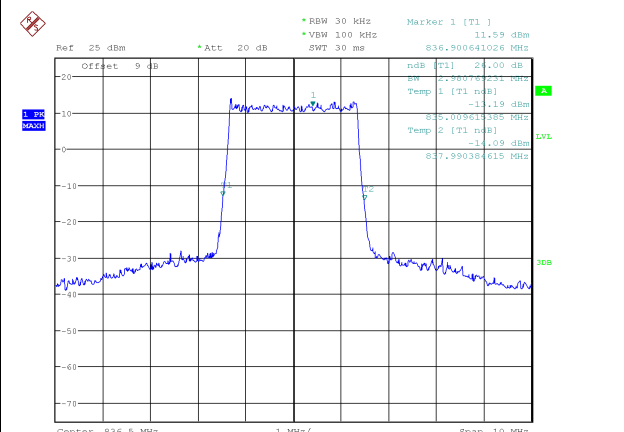
LTE band 4, 20MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1732.5		QPSK	16QAM	64QAM
		19.42	19.52	19.42
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



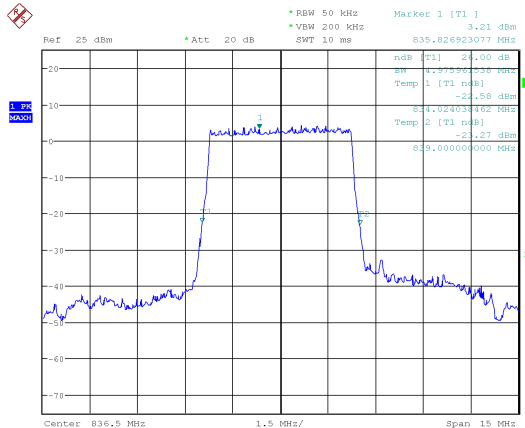
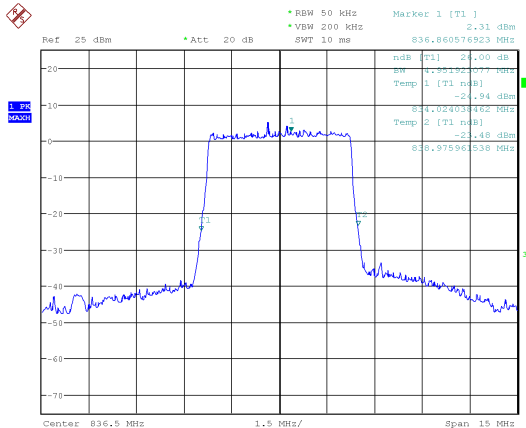
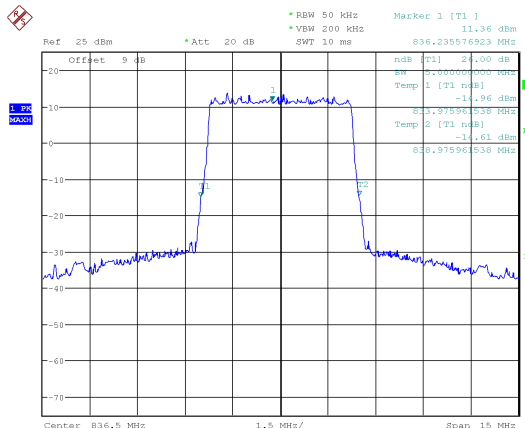
LTE band 5,1.4MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
836.5		QPSK	16QAM	64QAM
		1.30	1.39	1.30
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1] 836.812500000 MHz, 5.61 dBm, n dB [T1] 24.00 dBm, BW 1.30 MHz, Temp 1 [T1 n dB] -20.51 dBm, 835.858971359 MHz, Temp 2 [T1 n dB] -20.57 dBm, 837.157051282 MHz Center: 836.5 MHz, 500 kHz/, Span: 5 MHz Date: 14.JUL.2021 16:29:35		 Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1] 836.347756410 MHz, 4.05 dBm, n dB [T1] 24.00 dBm, BW 1.39 MHz, Temp 1 [T1 n dB] -21.90 dBm, 835.834933897 MHz, Temp 2 [T1 n dB] -22.73 dBm, 837.173074923 MHz Center: 836.5 MHz, 500 kHz/, Span: 5 MHz Date: 14.JUL.2021 16:30:34		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1] 836.195512821 MHz, 14.43 dBm, n dB [T1] 24.00 dBm, BW 1.30 MHz, Temp 1 [T1 n dB] -11.38 dBm, 835.858971359 MHz, Temp 2 [T1 n dB] -11.01 dBm, 837.149034462 MHz Center: 836.5 MHz, 500 kHz/, Span: 5 MHz Date: 26.AUG.2021 10:22:36		/		

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
836.5	QPSK	16QAM	64QAM
	2.99	2.99	2.98
QPSK (-26dBc)	16QAM (-26dBc)		
 Ref 25 dBm *Att 20 dB SWT 30 ms Marker 1 [T1] 836.590384615 MHz dBm [T1] -24.00 dBm BW -3.5300769231 MHz Temp 1 [T1 dBm] -22.11 dBm 836.009615385 MHz Temp 2 [T1 dBm] -23.16 dBm 837.990384615 MHz Center 836.5 MHz 1 MHz/ Span 10 MHz Date: 14.JUL.2021 16:31:41	 Ref 25 dBm *Att 20 dB SWT 30 ms Marker 1 [T1] 836.788461538 MHz dBm [T1] -24.00 dBm BW -3.2400769231 MHz Temp 1 [T1 dBm] -22.42 dBm 836.025641026 MHz Temp 2 [T1 dBm] -22.27 dBm 838.006410256 MHz Center 836.5 MHz 1 MHz/ Span 10 MHz Date: 14.JUL.2021 16:32:41		
64QAM (-26dBc)	/		
 Ref 25 dBm *Att 20 dB SWT 30 ms Marker 1 [T1] 836.900641026 MHz Offset 0 dB dBm [T1] -24.00 dBm BW -3.5900769231 MHz Temp 1 [T1 dBm] -13.19 dBm 836.009615385 MHz Temp 2 [T1 dBm] -14.09 dBm 837.990384615 MHz Center 836.5 MHz 1 MHz/ Span 10 MHz Date: 26.AUG.2021 10:23:40	/		

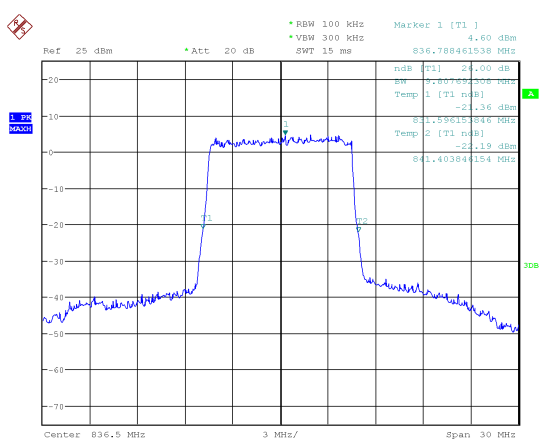
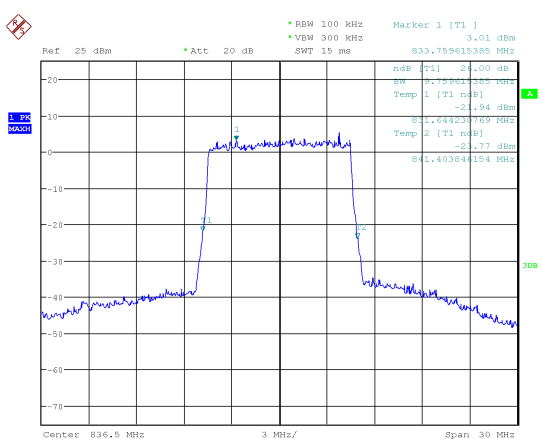
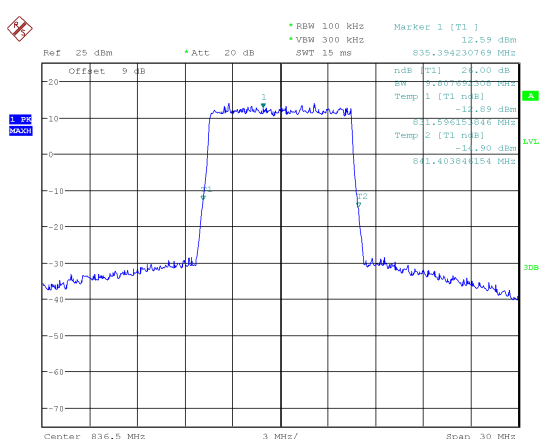


LTE band 5, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
836.5		QPSK	16QAM	64QAM
		4.98	4.95	5.00
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 50 kHz Marker 1 [T1] 3.21 dBm *VSW 200 kHz SWT 10 ms 835.826923077 MHz nB [T1] 24.00 dB BW 4.975961538 MHz Temp 1 [T1 nB] -22.58 dBm 834.024034462 MHz Temp 2 [T1 nB] -23.27 dBm 839.000000000 MHz Center 836.5 MHz 1.5 MHz/ Span 15 MHz Date: 14.JUL.2021 16:33:47		 Ref 25 dBm Att 20 dB RBW 50 kHz Marker 1 [T1] 2.31 dBm *VSW 200 kHz SWT 10 ms 836.860576923 MHz nB [T1] 24.00 dB BW 4.951921077 MHz Temp 1 [T1 nB] -24.94 dBm 834.024034462 MHz Temp 2 [T1 nB] -23.48 dBm 839.975961538 MHz Center 836.5 MHz 1.5 MHz/ Span 15 MHz Date: 14.JUL.2021 16:34:46		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 50 kHz Marker 1 [T1] 11.36 dBm *VSW 200 kHz SWT 10 ms 836.235576923 MHz nB [T1] 24.00 dB BW 5.000000000 MHz Temp 1 [T1 nB] -14.96 dBm 834.975961538 MHz Temp 2 [T1 nB] -14.61 dBm 839.975961538 MHz Center 836.5 MHz 1.5 MHz/ Span 15 MHz Date: 26.AUG.2021 10:24:45		/		

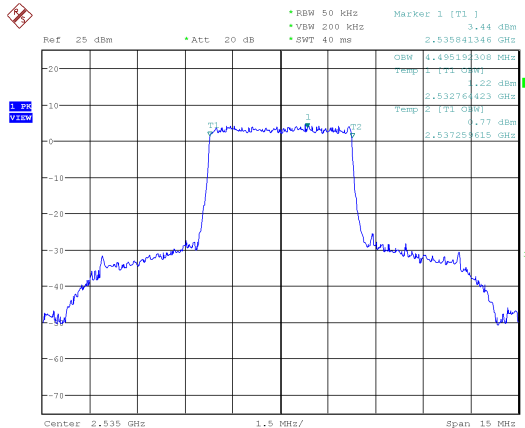
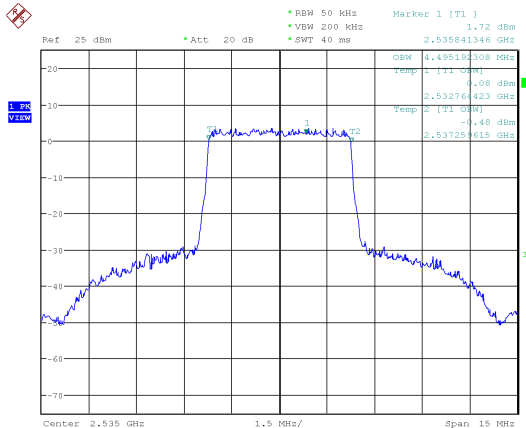
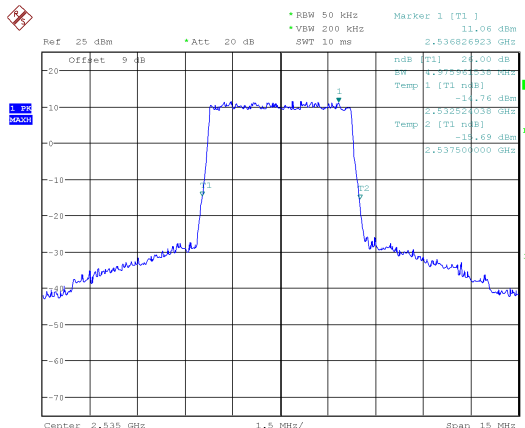


LTE band 5, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
836.5		QPSK	16QAM	64QAM
		9.80	9.76	9.81
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 836.788461538 MHz 4.60 dBm *VSW 300 kHz SWT 15 ms nB [T1] 24.00 dB BW 9.80788461538 MHz Temp 1 [T1 nB] -21.36 dBm 811.596153846 MHz Temp 2 [T1 nB] -22.19 dBm 841.403846154 MHz Center 836.5 MHz 3 MHz/ Span 30 MHz Date: 14.JUL.2021 16:35:53		 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 833.759615385 MHz 3.01 dBm *VSW 300 kHz SWT 15 ms nB [T1] 24.00 dB BW 9.759615385 MHz Temp 1 [T1 nB] -21.94 dBm 811.644230769 MHz Temp 2 [T1 nB] -23.77 dBm 841.403846154 MHz Center 836.5 MHz 3 MHz/ Span 30 MHz Date: 14.JUL.2021 16:36:52		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 100 kHz Marker 1 [T1] 835.394230769 MHz 12.59 dBm *VSW 300 kHz SWT 15 ms nB [T1] 24.00 dB BW 9.80788461538 MHz Temp 1 [T1 nB] -12.89 dBm 811.596153846 MHz Temp 2 [T1 nB] -14.90 dBm 841.403846154 MHz Center 836.5 MHz 3 MHz/ Span 30 MHz Date: 26.AUG.2021 10:25:49		/		

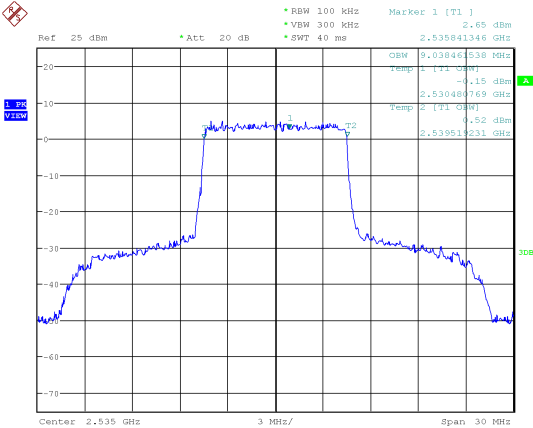
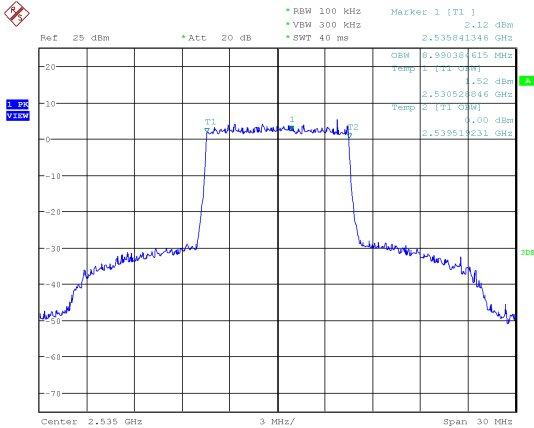
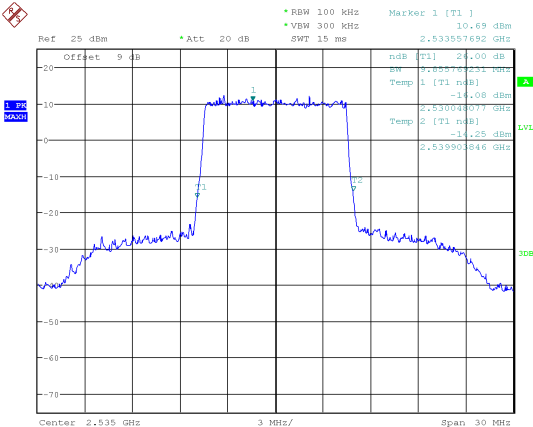


LTE band 7, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2535.0		QPSK	16QAM	64QAM
		4.50	4.50	4.98
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

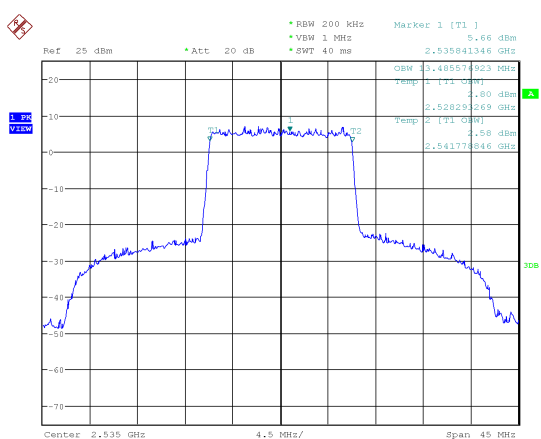
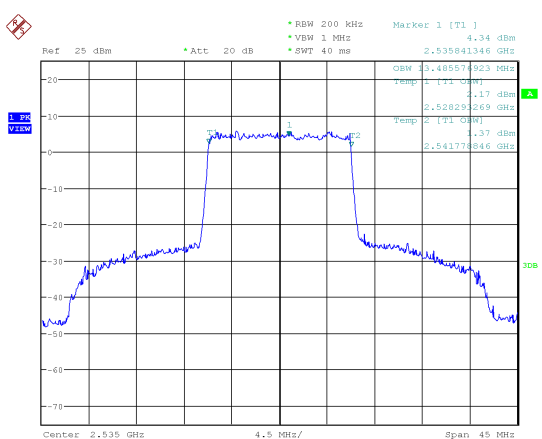
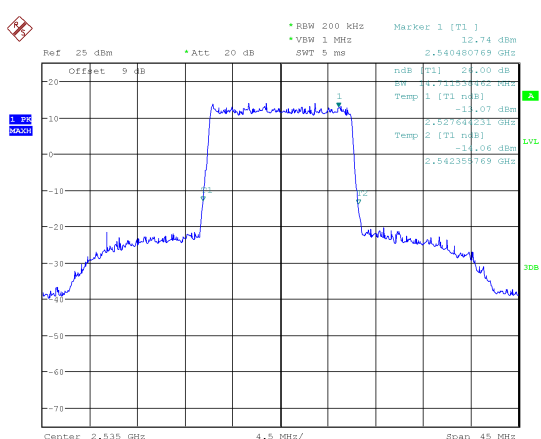


LTE band 7, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2535.0		QPSK	16QAM	64QAM
		9.04	8.99	9.86
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 2.65 dBm *VSW 300 kHz *SWT 40 ms 2.535841346 GHz OSW 9.03846538 MHz Temp 1 [T1 dBm] -14.08 dBm 2.530480769 GHz Temp 2 [T1 dBm] -14.25 dBm 2.539919231 GHz Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2021 17:36:36		 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 2.12 dBm *VSW 300 kHz *SWT 40 ms 2.535841346 GHz OSW 8.990364615 MHz Temp 1 [T1 dBm] -14.08 dBm 2.530528846 GHz Temp 2 [T1 dBm] -14.25 dBm 2.539919231 GHz Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 14.JUL.2021 17:37:03		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 100 kHz Marker 1 [T1] 10.69 dBm *VSW 300 kHz *SWT 15 ms 2.535841346 GHz nBW [T1] 24.00 dBm 2.530480769 GHz Temp 1 [T1 dBm] -14.08 dBm 2.539919231 GHz Temp 2 [T1 dBm] -14.25 dBm Center 2.535 GHz 3 MHz/ Span 30 MHz Date: 26.AUG.2021 10:29:30		/		

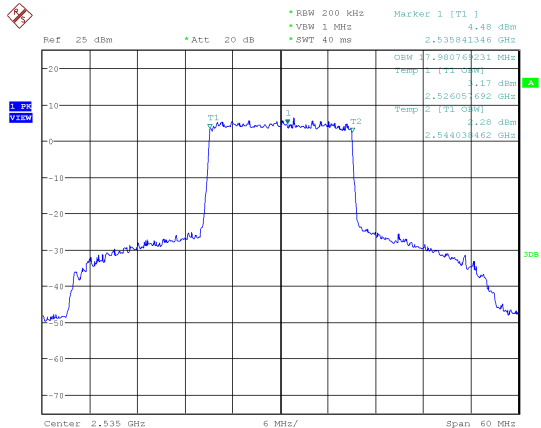
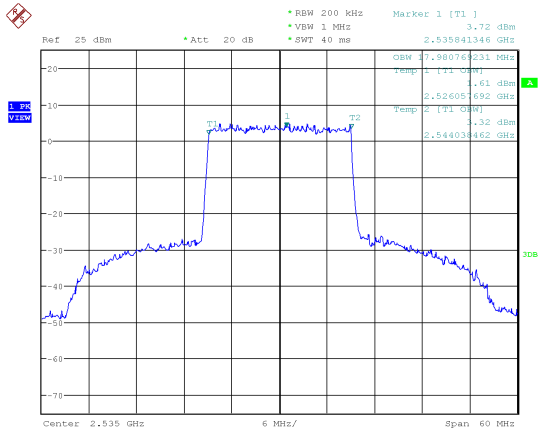
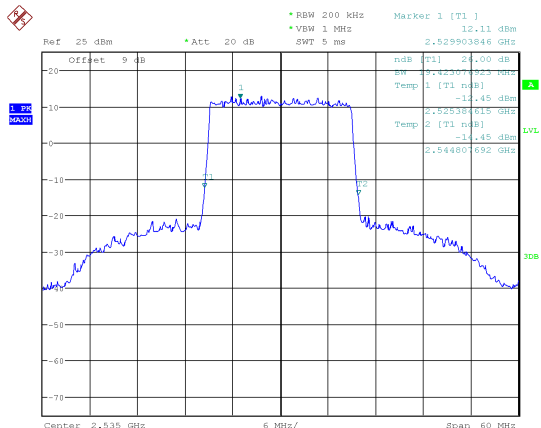


LTE band 7, 15MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
2535.0	QPSK	16QAM	64QAM
	13.49	13.49	14.71
QPSK (-26dBc)	16QAM (-26dBc)		
 Date: 14.JUL.2021 17:37:38	 Date: 14.JUL.2021 17:38:06		
64QAM (-26dBc)	/		
 Date: 26.AUG.2021 10:30:35	/		

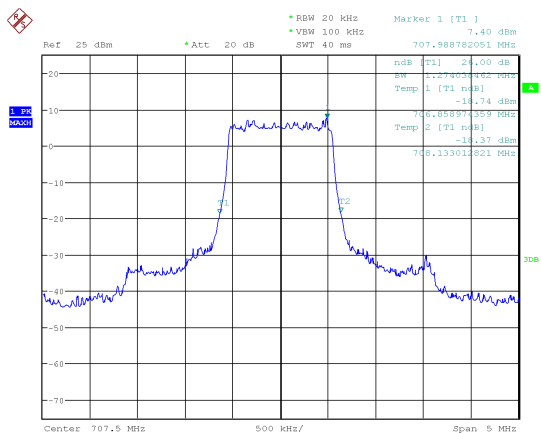
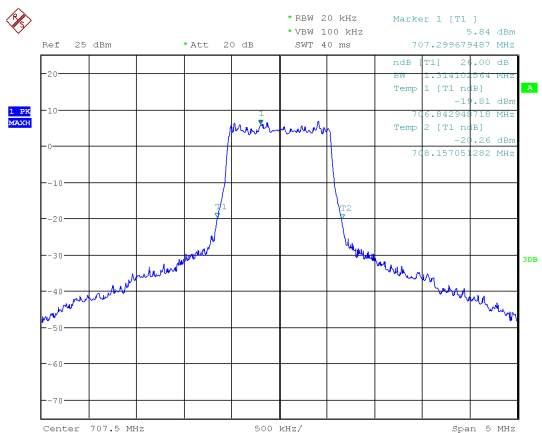
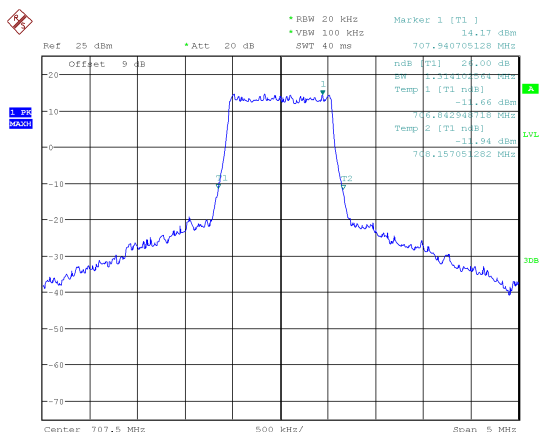


LTE band 7, 20MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
2535.0	QPSK	16QAM	64QAM
	17.981	17.981	19.42
QPSK (-26dBc)	16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB SWT 40 ms Marker 1 [T1] 2.535841346 GHz OSW 17.980764231 MHz Temp 1 [T1 dBm] -1.17 dBm 2.526057692 GHz Temp 2 [T1 dBm] -1.28 dBm 2.544039462 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 14.JUL.2021 17:38:40	 Ref 25 dBm Att 20 dB SWT 40 ms Marker 1 [T1] 2.535841346 GHz OSW 17.980764231 MHz Temp 1 [T1 dBm] -1.61 dBm 2.526057692 GHz Temp 2 [T1 dBm] -1.32 dBm 2.544039462 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 14.JUL.2021 17:39:08		
64QAM (-26dBc)	/		
 Ref 25 dBm Offset 9 dB Att 20 dB SWT 5 ms Marker 1 [T1] 2.535841346 GHz nB 24.00 dB Temp 1 [T1 nB] -12.45 dBm 2.525384615 GHz Temp 2 [T1 nB] -14.45 dBm 2.544007692 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 26.AUG.2021 10:31:40	/		

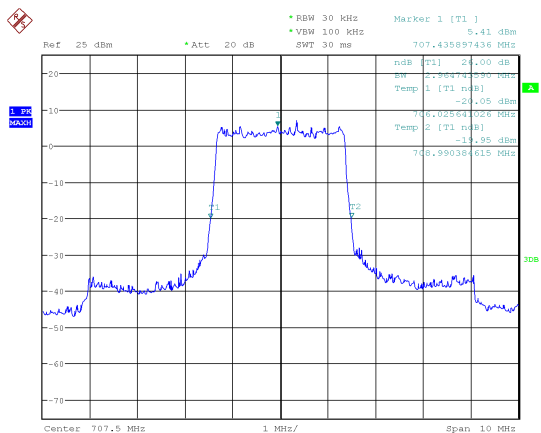
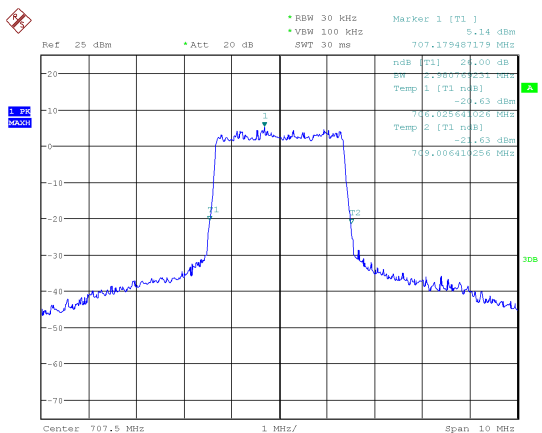
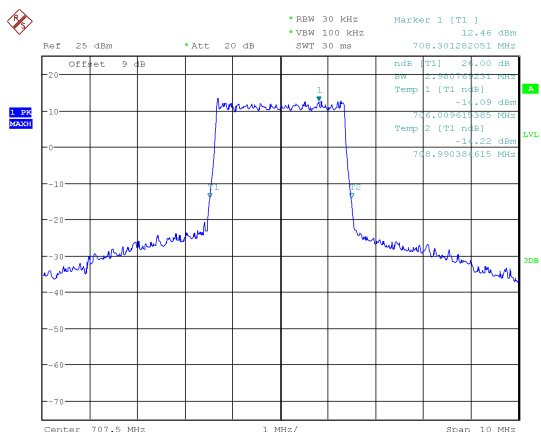


LTE band 12,1.4MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
707.5		QPSK	16QAM	64QAM
		1.27	1.31	1.31
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 20 kHz Marker 1 [T1] 7.40 dBm *VSW 100 kHz SWT 40 ms 707.988782051 MHz nB [T1] 24.00 dB BW 1.274004462 MHz Temp 1 [T1 nB] -18.74 dBm 706.858971359 MHz Temp 2 [T1 nB] -18.37 dBm 708.133012821 MHz Center 707.5 MHz 500 kHz/ Span 5 MHz Date: 15.JUL.2021 13:01:17		 Ref 25 dBm Att 20 dB RBW 20 kHz Marker 1 [T1] 5.84 dBm *VSW 100 kHz SWT 40 ms 707.299679487 MHz nB [T1] 24.00 dB BW 1.314304264 MHz Temp 1 [T1 nB] -18.61 dBm 706.842941718 MHz Temp 2 [T1 nB] -20.26 dBm 708.157051282 MHz Center 707.5 MHz 500 kHz/ Span 5 MHz Date: 15.JUL.2021 13:02:16		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 20 kHz Marker 1 [T1] 14.17 dBm *VSW 100 kHz SWT 40 ms 707.940705128 MHz nB [T1] 24.00 dB BW 1.314304264 MHz Temp 1 [T1 nB] -11.66 dBm 706.842941718 MHz Temp 2 [T1 nB] -11.94 dBm 708.157051282 MHz Center 707.5 MHz 500 kHz/ Span 5 MHz Date: 26.AUG.2021 10:34:16		/		

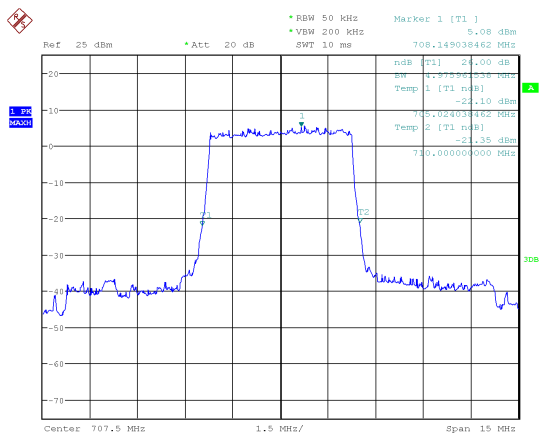
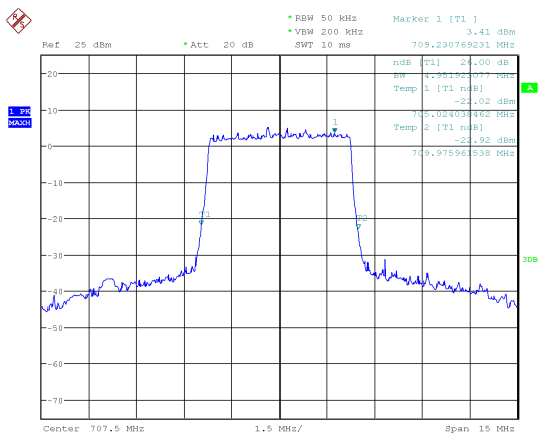
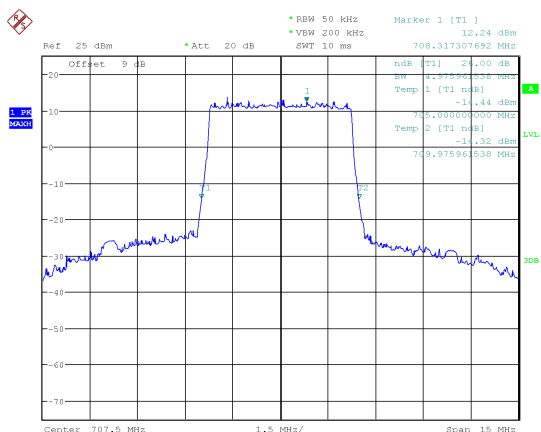


LTE band 12, 3MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
707.5		QPSK	16QAM	64QAM
		2.95	2.98	2.98
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

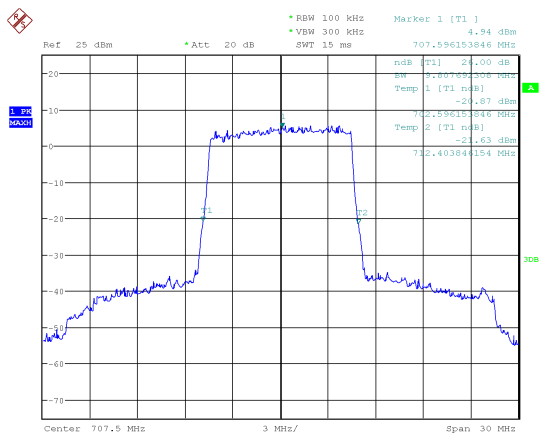
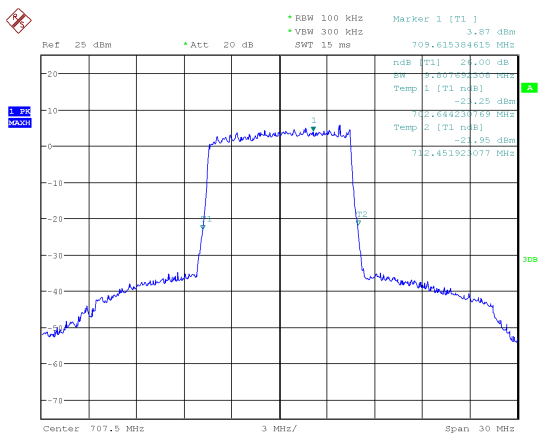
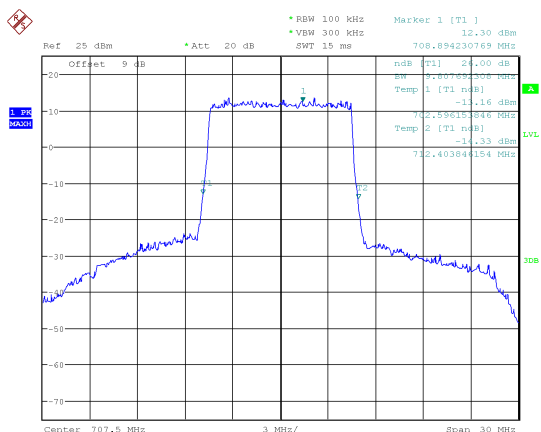


LTE band 12, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
707.5		QPSK	16QAM	64QAM
		4.98	4.95	4.98
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 50 kHz Marker 1 [T1] 5.00 dBm VSW 200 kHz SW 708.149038462 MHz nB [T1] 24.00 dB BW 4.975961538 MHz Temp 1 [T1 nB] -22.10 dBm 705.024038462 MHz Temp 2 [T1 nB] -22.35 dBm 710.000000000 MHz Center 707.5 MHz 1.5 MHz/ Span 15 MHz Date: 15.JUL.2021 13:05:31		 Ref 25 dBm Att 20 dB RBW 50 kHz Marker 1 [T1] 3.41 dBm VSW 200 kHz SW 709.230769231 MHz nB [T1] 24.00 dB BW 4.951921097 MHz Temp 1 [T1 nB] -22.02 dBm 705.024038462 MHz Temp 2 [T1 nB] -22.92 dBm 719.975961538 MHz Center 707.5 MHz 1.5 MHz/ Span 15 MHz Date: 15.JUL.2021 13:06:31		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 50 kHz Marker 1 [T1] 12.24 dBm VSW 200 kHz SW 708.317307692 MHz nB [T1] 24.00 dB BW 4.975961538 MHz Temp 1 [T1 nB] -14.44 dBm 705.000000000 MHz Temp 2 [T1 nB] -14.32 dBm 719.975961538 MHz Center 707.5 MHz 1.5 MHz/ Span 15 MHz Date: 26.AUG.2021 10:36:26		/		

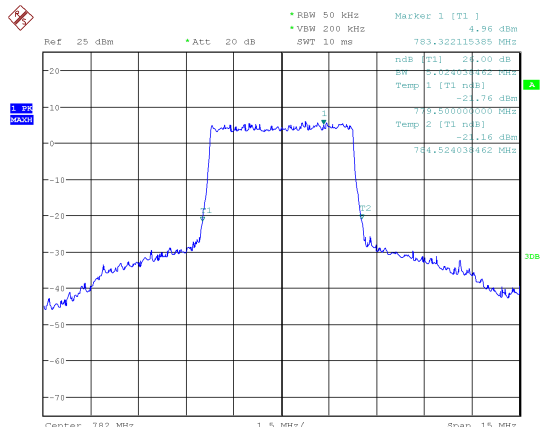
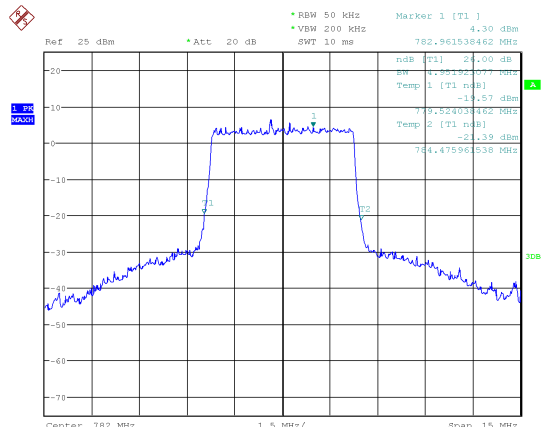
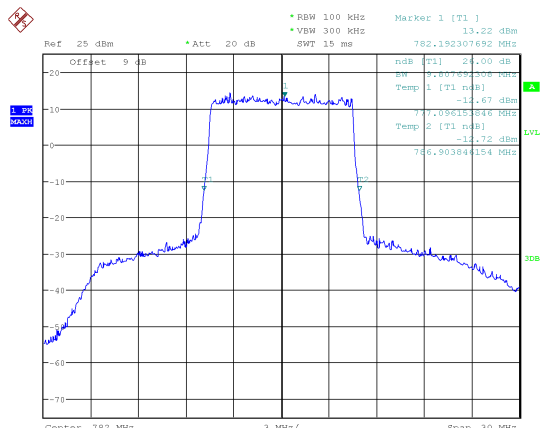


LTE band 12, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
707.5		QPSK	16QAM	64QAM
		9.80	9.80	9.81
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



LTE band 13, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
782.0	QPSK	16QAM	64QAM	
	5.02	4.95	4.95	
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

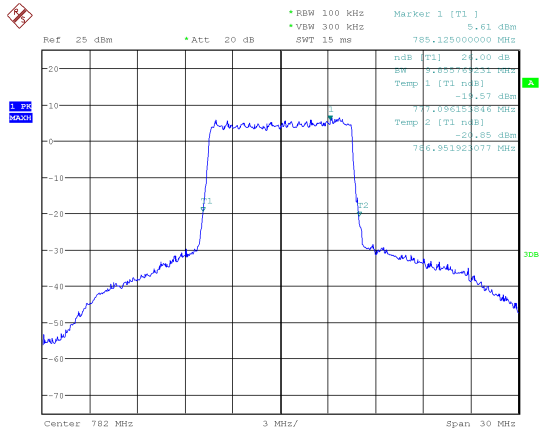
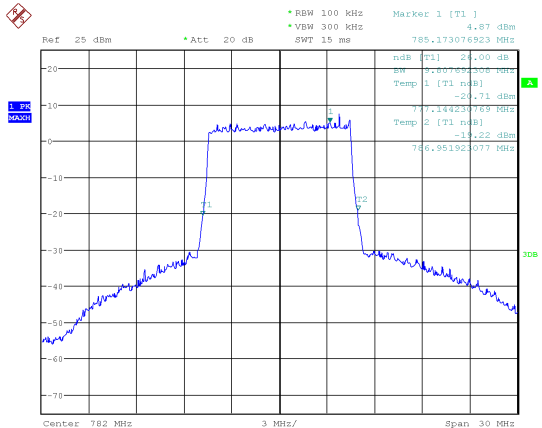
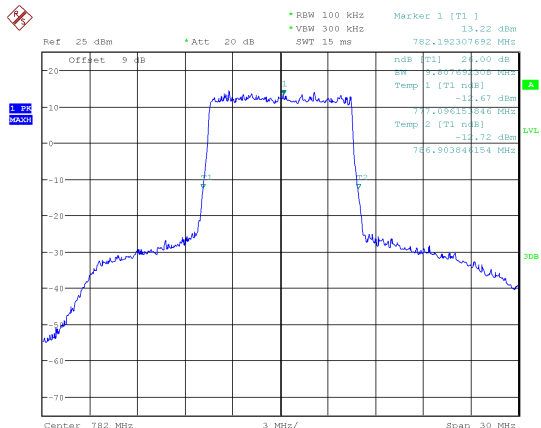
Date: 15.JUL.2021 13:21:44

Date: 15.JUL.2021 13:22:43

Date: 26.AUG.2021 10:41:12

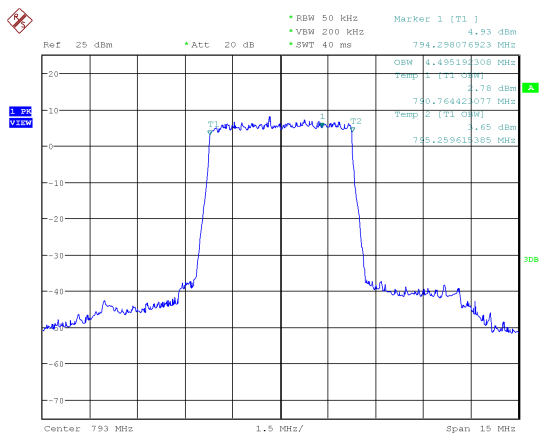
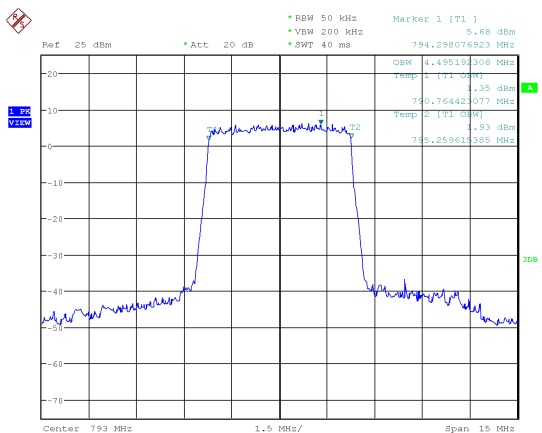
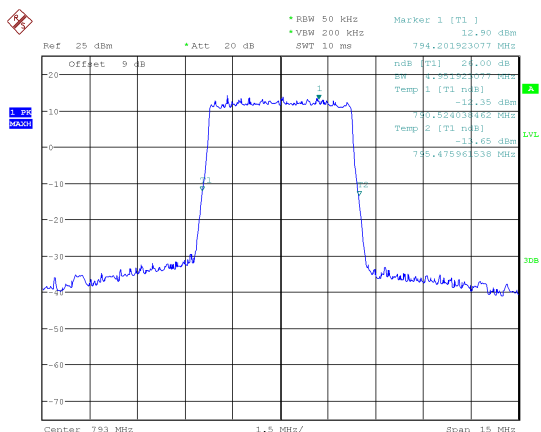


LTE band 13, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
707.5		QPSK	16QAM	64QAM
		9.86	9.81	9.81
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 5.61 dBm *VSW 300 kHz SWT 15 ms 707.5125000000 MHz nB [T1] 24.00 dB BW 9.855744231 MHz Temp 1 [T1 nB] -19.57 dBm 777.096153846 MHz Temp 2 [T1 nB] -29.85 dBm 706.951923077 MHz Center 702 MHz 3 MHz/ Span 30 MHz Date: 15.JUL.2021 13:23:50		 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 4.87 dBm *VSW 300 kHz SWT 15 ms 707.5173076923 MHz nB [T1] 24.00 dB BW 9.807694308 MHz Temp 1 [T1 nB] -20.71 dBm 777.144230769 MHz Temp 2 [T1 nB] -19.22 dBm 706.951923077 MHz Center 702 MHz 3 MHz/ Span 30 MHz Date: 15.JUL.2021 13:24:49		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 100 kHz Marker 1 [T1] 13.22 dBm *VSW 300 kHz SWT 15 ms 707.5192307692 MHz nB [T1] 24.00 dB BW 9.807694308 MHz Temp 1 [T1 nB] -12.67 dBm 777.096153846 MHz Temp 2 [T1 nB] -12.72 dBm 706.903844154 MHz Center 702 MHz 3 MHz/ Span 30 MHz Date: 26.AUG.2021 10:41:12		/		



LTE band 14, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
793.0		QPSK	16QAM	64QAM
		4.50	4.50	4.95
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

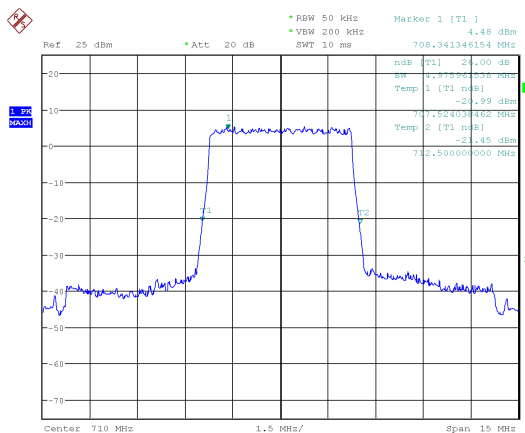
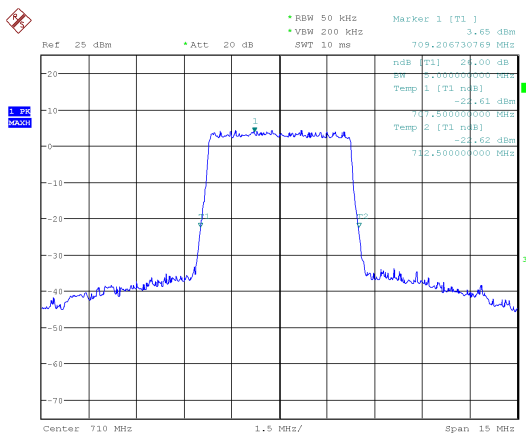
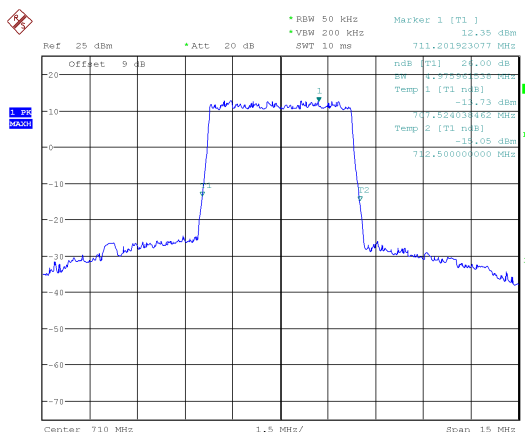


LTE band 14, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
793.0		QPSK	16QAM	64QAM
		8.942	8.942	9.81
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		



LTE band 17, 5MHz (-26dBc)

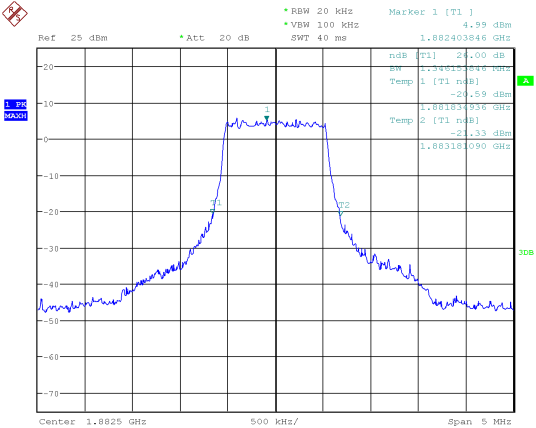
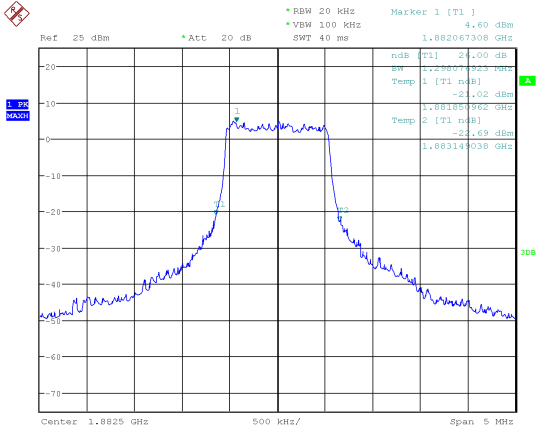
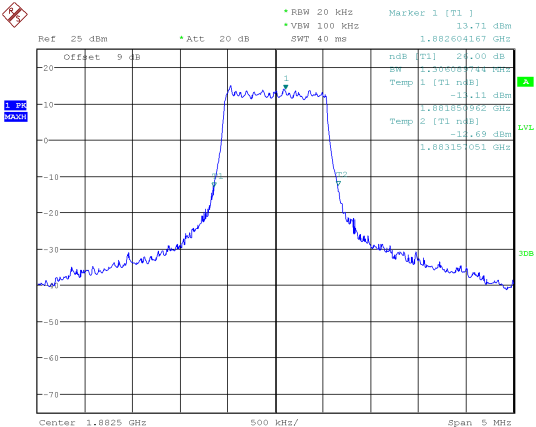
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
710.0		QPSK	16QAM	64QAM
		4.98	5.00	4.98
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

LTE band 17, 10MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
707.5	QPSK	16QAM	64QAM
	9.86	9.76	9.81
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1] 710.240384615 MHz, 24.00 dBm, BW: 9.855749231 MHz, Temp 1 [T1 n dB] -21.18 dBm, Temp 2 [T1 n dB] -21.54 dBm, 707.5048074923 MHz, 707.355769231 MHz, 707.903844154 MHz, 30B, 1.9% 90200 Date: 15.JUL.2021 13:55:37	Ref: 25 dBm, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1] 707.355769231 MHz, 24.00 dBm, BW: 9.759851265 MHz, Temp 1 [T1 n dB] -21.70 dBm, Temp 2 [T1 n dB] -22.95 dBm, 707.5144237769 MHz, 707.903844154 MHz, 30B, 1.9% 90200 Date: 15.JUL.2021 13:56:36		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1] 706.298076923 MHz, 24.00 dBm, BW: 9.807681206 MHz, Temp 1 [T1 n dB] -12.69 dBm, Temp 2 [T1 n dB] -14.65 dBm, 706.086153846 MHz, 706.903844154 MHz, 30B, 1.9% 90200 Date: 26.AUG.2021 10:48:34	/		

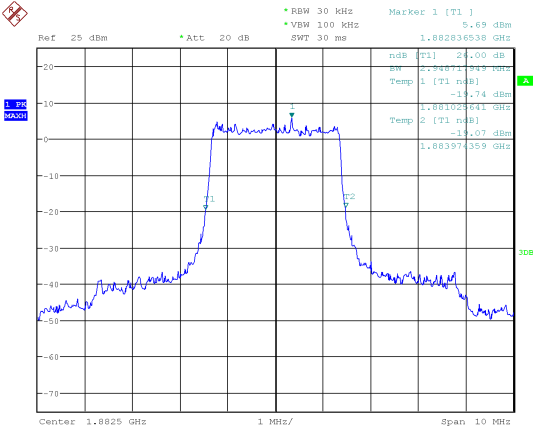
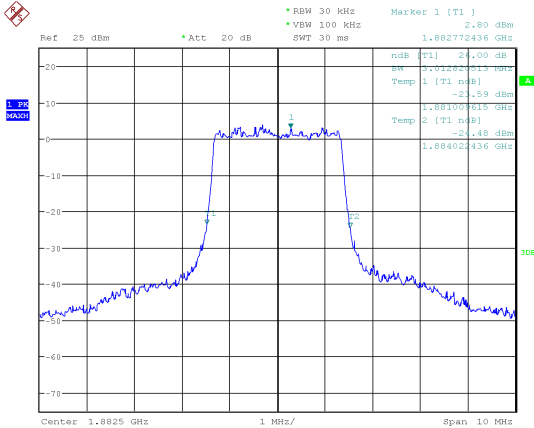
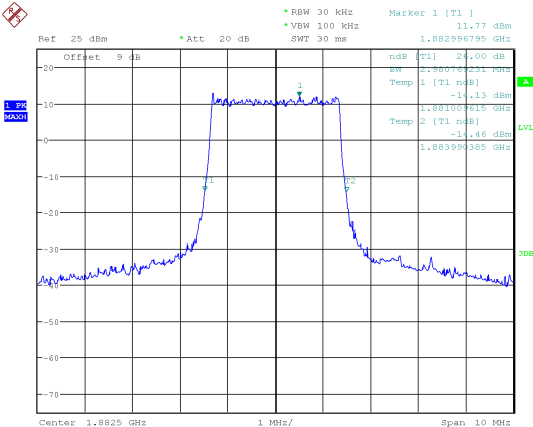


LTE band 25, 1.4MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1882.5		QPSK	16QAM	64QAM
		1.35	1.30	1.31
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



LTE band 25, 3MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1882.5		QPSK	16QAM	64QAM
		2.95	3.01	2.98
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

LTE band 25, 5MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1882.5	QPSK	16QAM	64QAM
	4.98	4.90	4.93
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 1.881322115 GHz, 3.83 dBm, nB: [T1]: 24.00 dBm, BW: 4.975944354 MHz, Temp 1 [T1 nB]: -22.11 dBm, Temp 2 [T1 nB]: -22.26 dBm, 1.885004000 GHz, 1.885004000 GHz Center: 1.8825 GHz, 1.5 MHz/, Span: 15 MHz Date: 15.JUL.2021 15:32:31	Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 1.882139423 GHz, 4.99 dBm, nB: [T1]: 24.00 dBm, BW: 4.903841254 MHz, Temp 1 [T1 nB]: -21.02 dBm, Temp 2 [T1 nB]: -20.70 dBm, 1.884951923 GHz, 1.884951923 GHz Center: 1.8825 GHz, 1.5 MHz/, Span: 15 MHz Date: 15.JUL.2021 15:33:31		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 1.880817308 GHz, 13.13 dBm, nB: [T1]: 24.00 dBm, BW: 4.927684015 MHz, Temp 1 [T1 nB]: -13.35 dBm, Temp 2 [T1 nB]: -12.87 dBm, 1.884951923 GHz, 1.884951923 GHz Center: 1.8825 GHz, 1.5 MHz/, Span: 15 MHz Date: 26.AUG.2021 11:02:53	/		

LTE band 25, 10MHz (-26dBc)

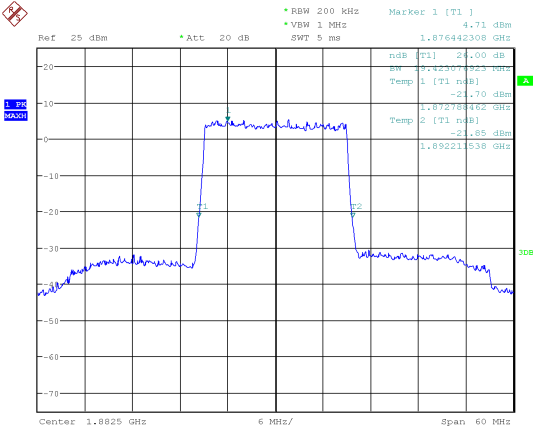
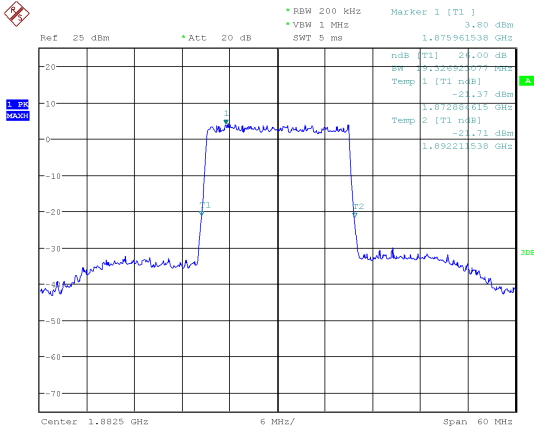
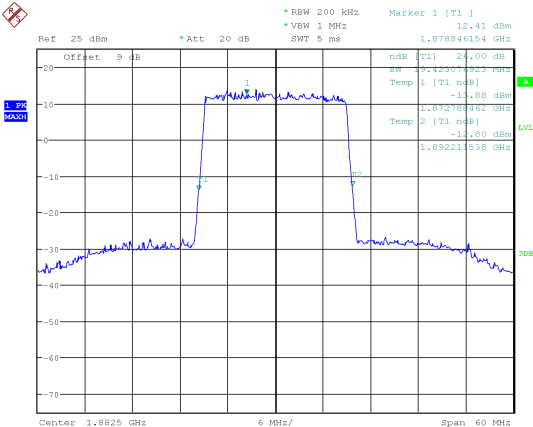
Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1882.5	QPSK	16QAM	64QAM
	9.95	9.81	9.86
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1], 1.886153846 GHz, 3.28 dBm, nB [T1], 24.00 dBm, BW [T1], 10.00 MHz, Temp 1 [T1 nB], -23.63 dBm, Temp 2 [T1 nB], -23.06 dBm, 1.887451923 GHz. Center: 1.8825 GHz, 3 MHz/, Span: 30 MHz Date: 15.JUL.2021 15:34:38	Ref: 25 dBm, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1], 1.878609769 GHz, 3.14 dBm, nB [T1], 24.00 dBm, BW [T1], 10.00 MHz, Temp 1 [T1 nB], -23.53 dBm, Temp 2 [T1 nB], -22.43 dBm, 1.887403846 GHz. Center: 1.8825 GHz, 3 MHz/, Span: 30 MHz Date: 15.JUL.2021 15:35:37		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 100 kHz, VSW: 300 kHz, SWT: 15 ms, Marker 1 [T1], 1.886298077 GHz, 11.65 dBm, nB [T1], 24.00 dBm, BW [T1], 10.00 MHz, Temp 1 [T1 nB], -14.50 dBm, Temp 2 [T1 nB], -14.13 dBm, 1.887403846 GHz. Center: 1.8825 GHz, 3 MHz/, Span: 30 MHz Date: 26.AUG.2021 11:03:58	/		

LTE band 25, 15MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
1882.5	QPSK	16QAM	64QAM
	14.86	14.71	14.71
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1] 1.880120192 GHz, 24.00 dBm, BW: 14.86 MHz, Temp 1 [T1 nB] -20.07 dBm, Temp 2 [T1 nB] -21.21 dBm, 1.875071115 GHz, 1.889927885 GHz, 30B, 1.8825 GHz, 4.5 MHz, Span 45 MHz, Date: 15.JUL.2021 15:36:44	Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1] 1.887187500 GHz, 24.00 dBm, BW: 14.71 MHz, Temp 1 [T1 nB] -20.96 dBm, Temp 2 [T1 nB] -20.06 dBm, 1.875144231 GHz, 1.889855769 GHz, 30B, 1.8825 GHz, 4.5 MHz, Span 45 MHz, Date: 15.JUL.2021 15:37:43		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1] 1.879543269 GHz, 24.00 dBm, BW: 14.27 MHz, Temp 1 [T1 nB] -12.58 dBm, Temp 2 [T1 nB] -12.15 dBm, 1.875144231 GHz, 1.889855769 GHz, 30B, 1.8825 GHz, 4.5 MHz, Span 45 MHz, Date: 26.AUG.2021 11:05:02	/	/	/



LTE band 25, 20MHz (-26dBc)

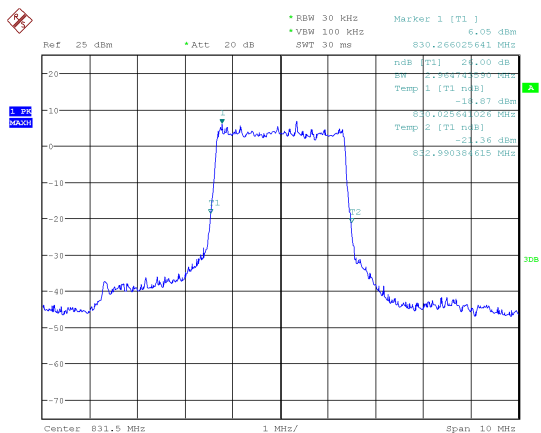
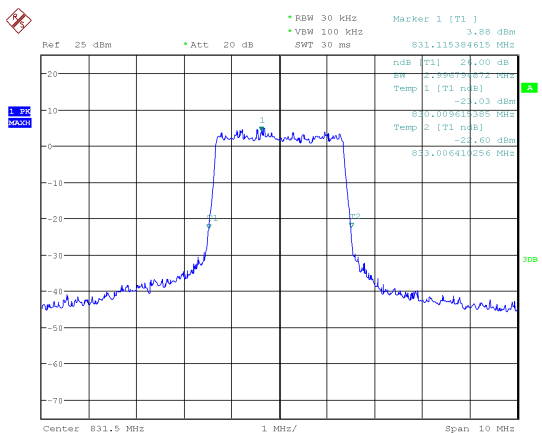
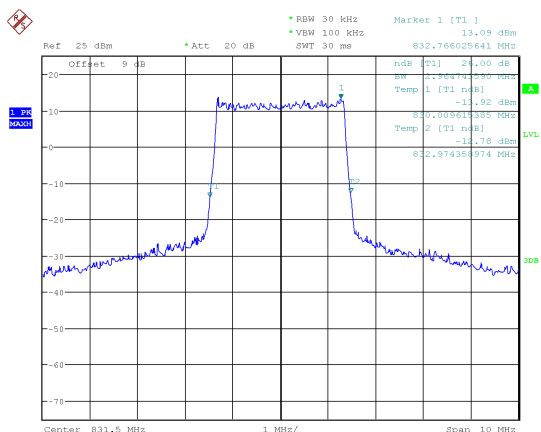
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1882.5		QPSK	16QAM	64QAM
		19.42	19.33	19.42
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

LTE band 26(Part22), 1.4MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
	QPSK	16QAM	64QAM
831.5	1.30	1.29	1.29
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 831.644230769 MHz, 6.47 dBm, n dB [T1], 24.00 dBm, BW, 1.290000000 MHz, Temp 1 [T1 n dB], -19.42 dBm, 830.850961538 MHz, Temp 2 [T1 n dB], -29.08 dBm, 832.149038462 MHz Center: 831.5 MHz, 500 kHz/, Span: 5 MHz Date: 15.JUL.2021 16:12:48	Ref: 25 dBm, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 831.019230769 MHz, 6.41 dBm, n dB [T1], 24.00 dBm, BW, 1.290000000 MHz, Temp 1 [T1 n dB], -19.94 dBm, 830.850961538 MHz, Temp 2 [T1 n dB], -29.07 dBm, 832.141025641 MHz Center: 831.5 MHz, 500 kHz/, Span: 5 MHz Date: 15.JUL.2021 16:13:48		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 20 kHz, VSW: 100 kHz, SWT: 40 ms, Marker 1 [T1], 831.011217949 MHz, 14.70 dBm, n dB [T1], 24.00 dBm, BW, 1.290000000 MHz, Temp 1 [T1 n dB], -19.22 dBm, 830.858974359 MHz, Temp 2 [T1 n dB], -19.60 dBm, 832.149038462 MHz Center: 831.5 MHz, 500 kHz/, Span: 5 MHz Date: 26.AUG.2021 11:08:43	/		



LTE band 26(Part22), 3MHz (-26dBc)

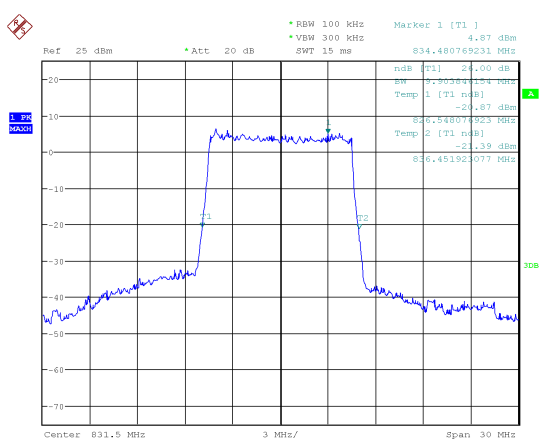
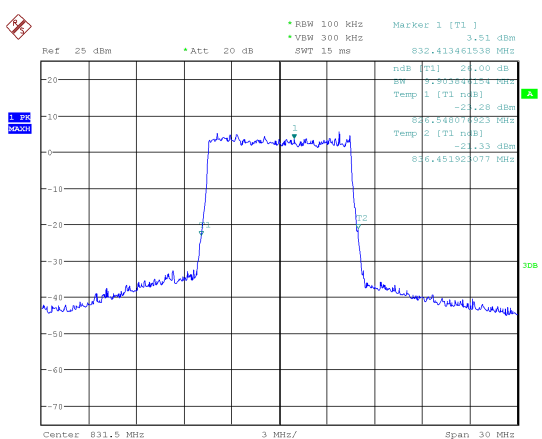
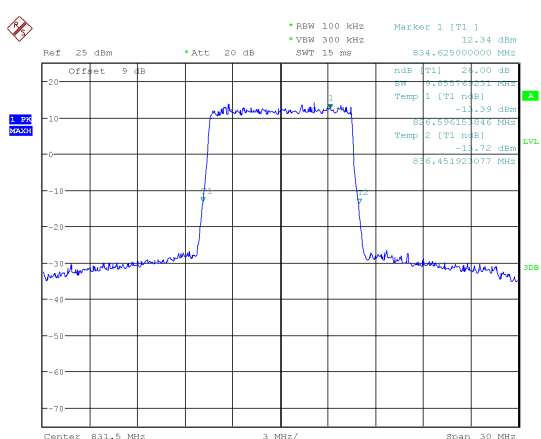
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
831.5		QPSK	16QAM	64QAM
		2.97	2.30	2.96
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 830.26602541 MHz, 6.05 dBm, nB [T1]: 24.00 dB, BW: 2.96741385 MHz, Temp 1 [T1 nB]: -18.87 dBm, Temp 2 [T1 nB]: -23.36 dBm, 832.990384615 MHz Center: 831.5 MHz, 1 MHz/, Span: 10 MHz Date: 15.JUL.2021 16:14:55		 Ref: 25 dBm, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 831.115384615 MHz, 3.88 dBm, nB [T1]: 24.00 dB, BW: 2.996741385 MHz, Temp 1 [T1 nB]: -23.03 dBm, Temp 2 [T1 nB]: -22.60 dBm, 833.006418256 MHz Center: 831.5 MHz, 1 MHz/, Span: 10 MHz Date: 15.JUL.2021 16:15:54		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 30 kHz, VSW: 100 kHz, SWT: 30 ms, Marker 1 [T1]: 832.76602541 MHz, 13.09 dBm, nB [T1]: 24.00 dB, BW: 2.98741385 MHz, Temp 1 [T1 nB]: -13.92 dBm, Temp 2 [T1 nB]: -12.78 dBm, 832.974358974 MHz Center: 831.5 MHz, 1 MHz/, Span: 10 MHz Date: 26.AUG.2021 11:09:48		/		

LTE band 26(Part22), 5MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
831.5	QPSK	16QAM	64QAM
	5.00	4.93	4.95
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VBW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 830.586538462 MHz, 3.91 dBm, nB [T1]: 24.00 dBm, BW: 5.000000000 MHz, Temp 1 [T1 nB]: -22.84 dBm, Temp 2 [T1 nB]: -22.34 dBm, 834.000000000 MHz Center: 831.5 MHz, 1.5 MHz/Div, Span: 15 MHz Date: 15.JUL.2021 16:17:01	Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VBW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 829.408653846 MHz, 4.21 dBm, nB [T1]: 24.00 dBm, BW: 4.927884415 MHz, Temp 1 [T1 nB]: -21.68 dBm, Temp 2 [T1 nB]: -20.68 dBm, 833.951923077 MHz Center: 831.5 MHz, 1.5 MHz/Div, Span: 15 MHz Date: 15.JUL.2021 16:18:00		
64QAM (-26dBc)	/		
Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 50 kHz, VBW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 832.677864615 MHz, 12.06 dBm, nB [T1]: 24.00 dBm, BW: 4.951821077 MHz, Temp 1 [T1 nB]: -12.59 dBm, Temp 2 [T1 nB]: -14.39 dBm, 833.975961538 MHz Center: 831.5 MHz, 1.5 MHz/Div, Span: 15 MHz Date: 26.AUG.2021 11:10:52	/	/	/

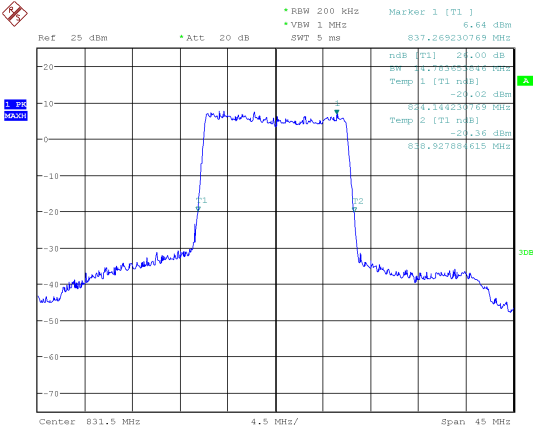
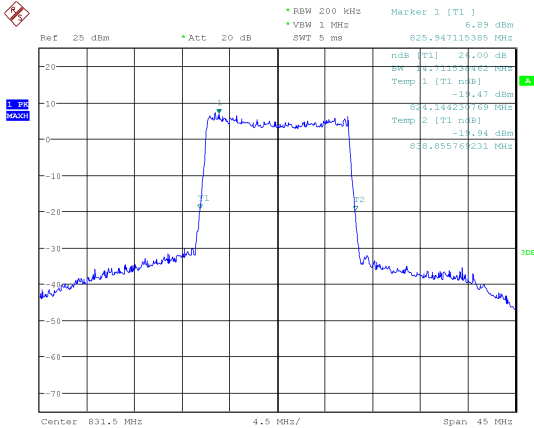
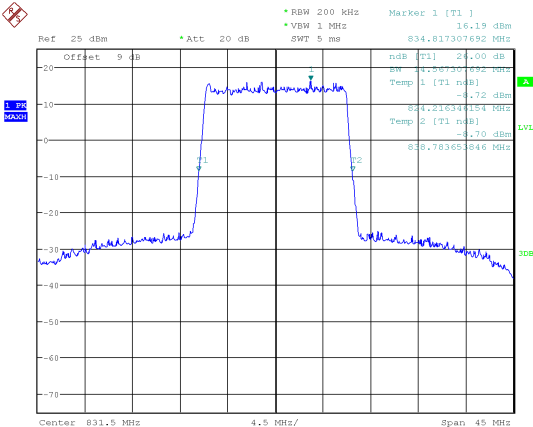


LTE band 26(Part22), 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
831.5		QPSK	16QAM	64QAM
		9.90	9.90	9.86
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



LTE band 26(Part22), 15MHz (-26dBc)

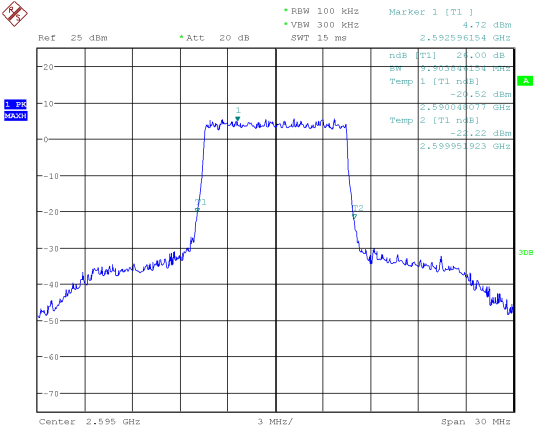
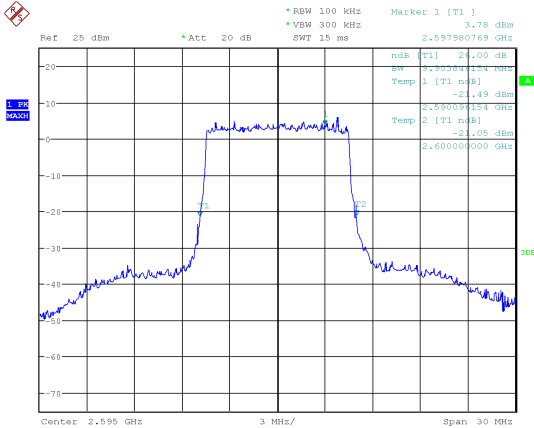
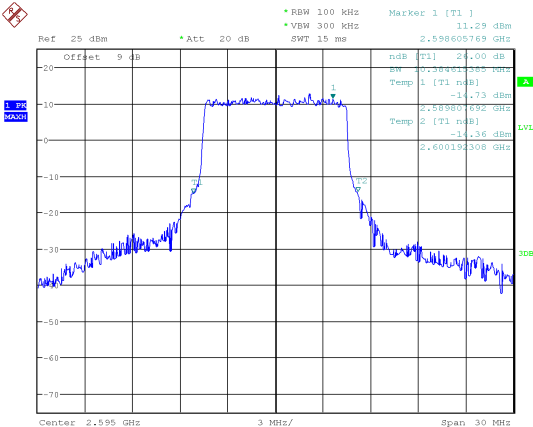
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
831.5		QPSK	16QAM	64QAM
		14.78	14.71	14.57
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

LTE band 38, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2595.0		QPSK	16QAM	64QAM
		5.05	5.00	4.95
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		

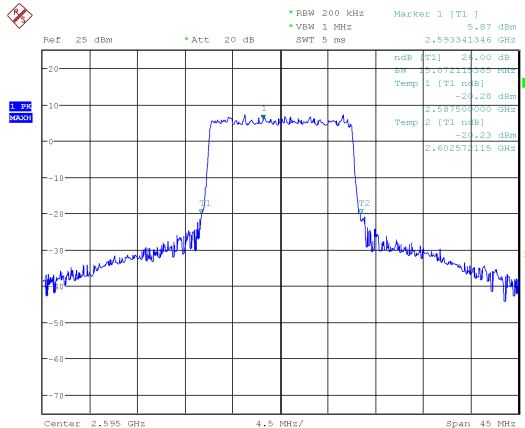
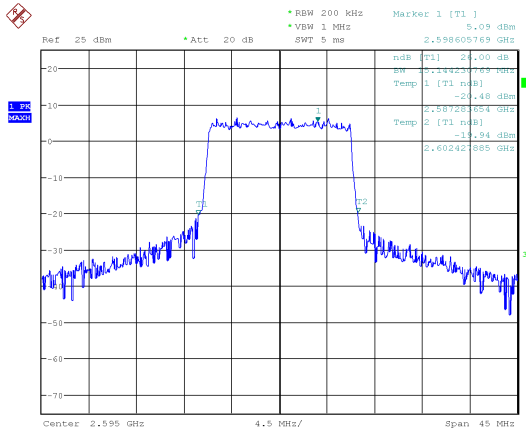
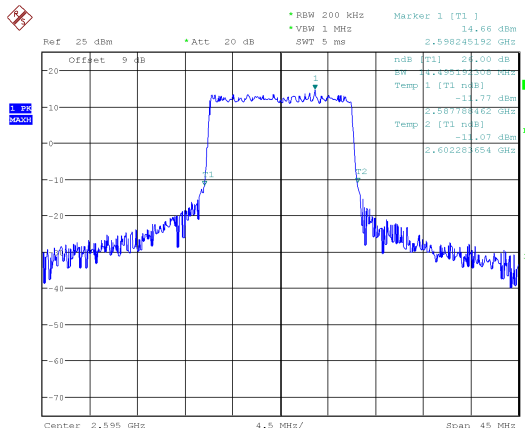


LTE band 38, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2595.0		QPSK	16QAM	64QAM
		9.90	9.90	10.38
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		

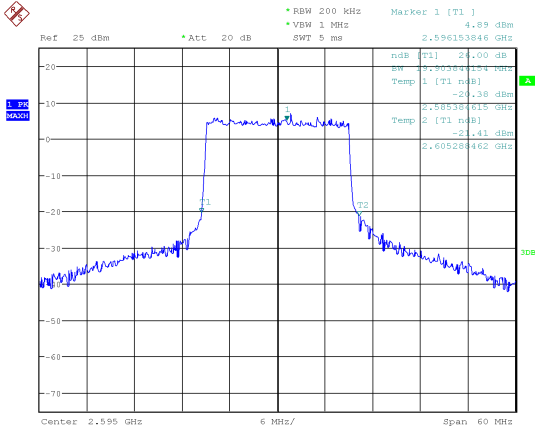
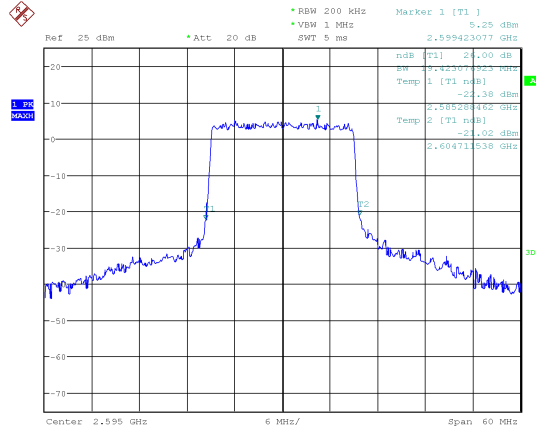
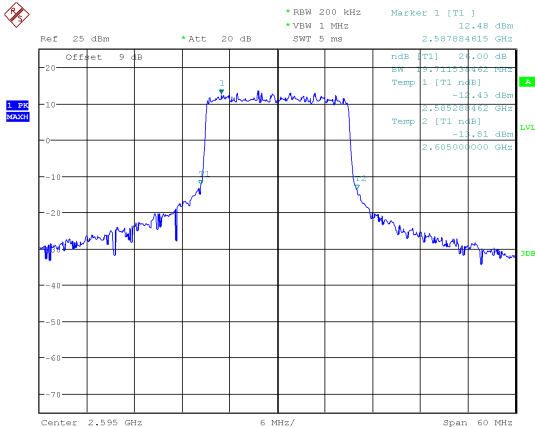


LTE band 38, 15MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2595.0		QPSK	16QAM	64QAM
		15.07	15.14	14.50
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 200 kHz Marker 1 [T1] 5.87 dBm *VSW 1 MHz *SWT 5 ms 2.59341346 GHz nB [T1] 24.00 dB BW -20.4223763 MHz Temp 1 [T1 nB] -20.28 dBm 2.597500000 GHz Temp 2 [T1 nB] -20.23 dBm 2.602572115 GHz Center 2.595 GHz 4.5 MHz/ Span 45 MHz Date: 16.JUL.2021 12:25:33		 Ref 25 dBm Att 20 dB RBW 200 kHz Marker 1 [T1] 5.09 dBm *VSW 1 MHz *SWT 5 ms 2.598605763 GHz nB [T1] 24.00 dB BW -20.4423763 MHz Temp 1 [T1 nB] -20.40 dBm 2.597250054 GHz Temp 2 [T1 nB] -19.94 dBm 2.602420885 GHz Center 2.595 GHz 4.5 MHz/ Span 45 MHz Date: 16.JUL.2021 12:26:32		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 200 kHz Marker 1 [T1] 14.66 dBm *VSW 1 MHz *SWT 5 ms 2.598245132 GHz nB [T1] 24.00 dB BW -20.4823763 MHz Temp 1 [T1 nB] -11.77 dBm 2.597788462 GHz Temp 2 [T1 nB] -11.07 dBm 2.602280654 GHz Center 2.595 GHz 4.5 MHz/ Span 45 MHz Date: 26.AUG.2021 11:21:31		/		



LTE band 38, 20MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2595.0		QPSK	16QAM	64QAM
		19.90	19.42	19.71
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 2.596153846 GHz, 4.89 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -20.38 dBm, 2.585384615 GHz, Temp 2 [T1 nB], -23.41 dBm, 2.605288462 GHz Center: 2.595 GHz, 6 MHz/, Span: 60 MHz Date: 16.JUL.2021 12:27:39		 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 2.599423077 GHz, 5.25 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -22.38 dBm, 2.585288462 GHz, Temp 2 [T1 nB], -23.02 dBm, 2.604715338 GHz Center: 2.595 GHz, 6 MHz/, Span: 60 MHz Date: 16.JUL.2021 12:28:39		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 2.587864615 GHz, 12.48 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -12.43 dBm, 2.585288462 GHz, Temp 2 [T1 nB], -13.81 dBm, 2.605000000 GHz Center: 2.595 GHz, 6 MHz/, Span: 60 MHz Date: 26.AUG.2021 11:22:36		/		

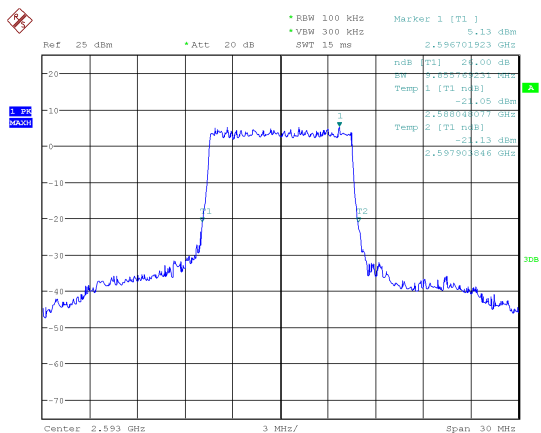
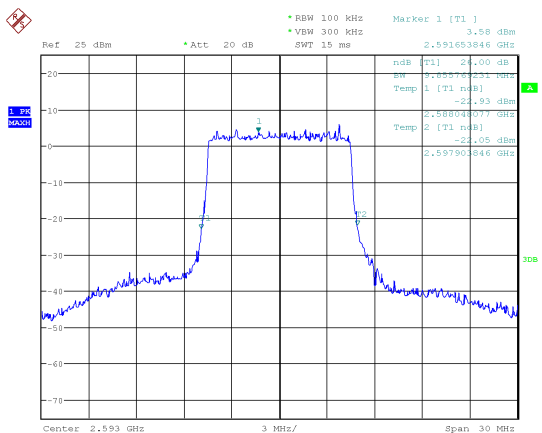
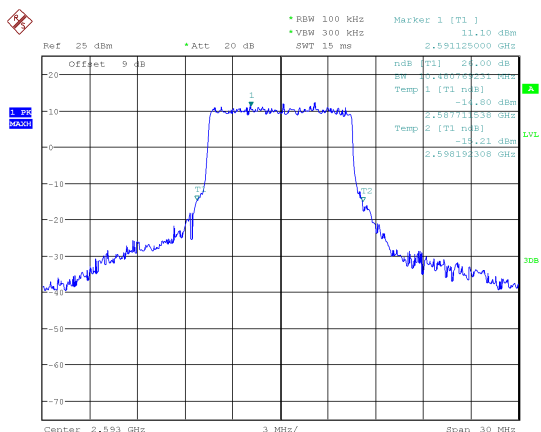


LTE band 41, 5MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2593.0		QPSK	16QAM	64QAM
		5.29	5.12	4.95
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

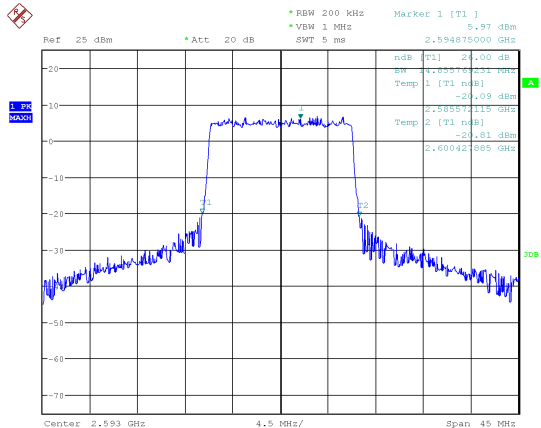
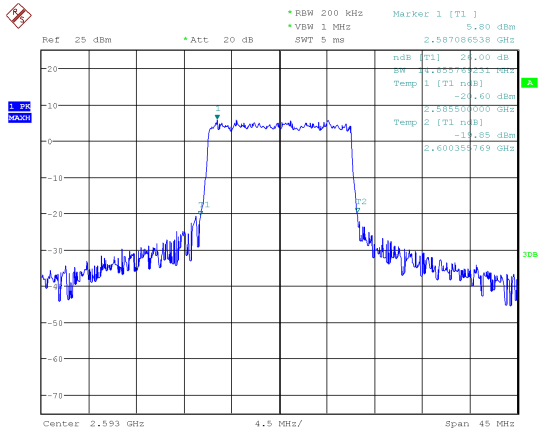
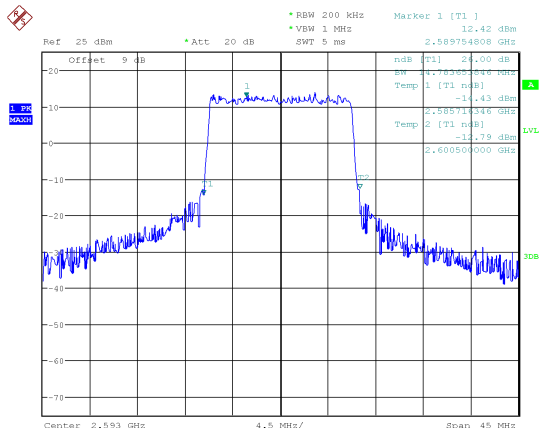


LTE band 41, 10MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2593.0		QPSK	16QAM	64QAM
		9.86	9.86	10.48
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 5.13 dBm *VSW 300 kHz SWT 15 ms 2.596701923 GHz n dB [T1] 24.00 dB BW 3.655764231 MHz Temp 1 [T1 n dB] -21.05 dBm 2.588044077 GHz Temp 2 [T1 n dB] -21.13 dBm 2.597903846 GHz Center 2.593 GHz 3 MHz/ Span 30 MHz Date: 16.JUL.2021 16:47:47		 Ref 25 dBm Att 20 dB RBW 100 kHz Marker 1 [T1] 3.58 dBm *VSW 300 kHz SWT 15 ms 2.591653846 GHz n dB [T1] 24.00 dB BW 3.655764231 MHz Temp 1 [T1 n dB] -21.93 dBm 2.588044077 GHz Temp 2 [T1 n dB] -22.05 dBm 2.597903846 GHz Center 2.593 GHz 3 MHz/ Span 30 MHz Date: 16.JUL.2021 16:48:46		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 100 kHz Marker 1 [T1] 11.10 dBm *VSW 300 kHz SWT 15 ms 2.591125000 GHz n dB [T1] 24.00 dB BW 3.655764231 MHz Temp 1 [T1 n dB] -14.80 dBm 2.587711538 GHz Temp 2 [T1 n dB] -15.21 dBm 2.598193308 GHz Center 2.593 GHz 3 MHz/ Span 30 MHz Date: 26.AUG.2021 11:32:08		/		



LTE band 41, 15MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
2593.0		QPSK	16QAM	64QAM
		14.86	14.86	14.78
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm *Att 20 dB *RBW 200 kHz Marker 1 [T1] 2.594875000 GHz *VSW 1 MHz SWT 5 ms nB [T1] 24.00 dB BW 14.86 MHz Temp 1 [T1 nB] -13.09 dBm 2.585571115 GHz Temp 2 [T1 nB] -13.81 dBm 2.600427885 GHz Center 2.593 GHz 4.5 MHz/ Span 45 MHz Date: 16.JUL.2021 16:49:53		 Ref 25 dBm *Att 20 dB *RBW 200 kHz Marker 1 [T1] 2.587086538 GHz *VSW 1 MHz SWT 5 ms nB [T1] 24.00 dB BW 14.86 MHz Temp 1 [T1 nB] -13.60 dBm 2.585500000 GHz Temp 2 [T1 nB] -13.85 dBm 2.600355769 GHz Center 2.593 GHz 4.5 MHz/ Span 45 MHz Date: 16.JUL.2021 16:50:52		
64QAM (-26dBc)		/		
 Ref 25 dBm *Att 20 dB *RBW 200 kHz Marker 1 [T1] 2.589754808 GHz Offset 9 dB *VSW 1 MHz SWT 5 ms nB [T1] 24.00 dB BW 14.78 MHz Temp 1 [T1 nB] -13.43 dBm 2.585714346 GHz Temp 2 [T1 nB] -13.79 dBm 2.600500000 GHz Center 2.593 GHz 4.5 MHz/ Span 45 MHz Date: 26.AUG.2021 11:33:13		/		

LTE band 41, 20MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
2593.0	QPSK	16QAM	64QAM
	19.23	19.42	19.71
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		

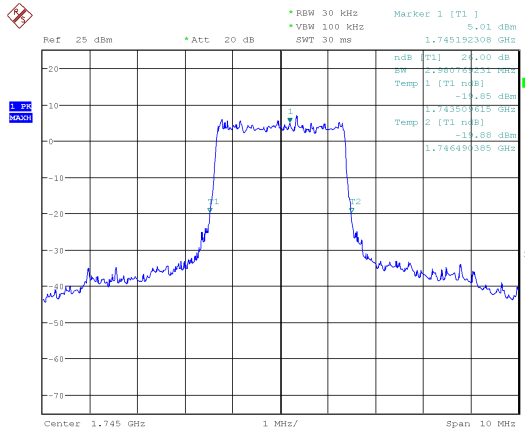
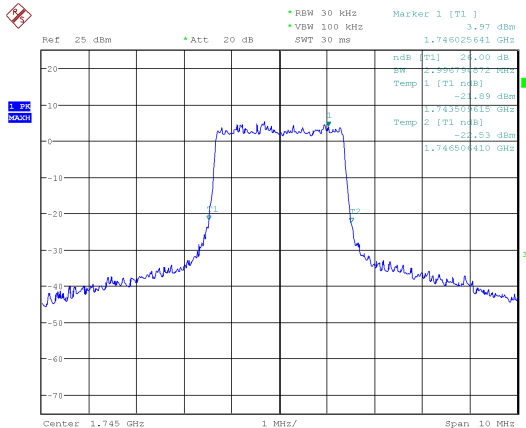
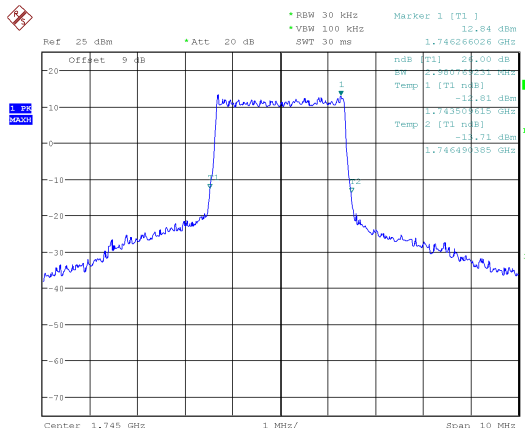


LTE band 66, 1.4MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1745.0		QPSK	16QAM	64QAM
		1.31	1.32	1.28
QPSK (-26dBc)		16QAM (-26dBc)		
		/		



LTE band 66, 3MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1745.0		QPSK	16QAM	64QAM
		2.98	2.30	2.98
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref 25 dBm Att 20 dB RBW 30 kHz Marker 1 [T1] 5.01 dBm *VSW 100 kHz SWT 30 ms 1.745192308 GHz nB [T1] 24.00 dB BW 2.980744331 MHz Temp 1 [T1 nB] -19.85 dBm 1.743509615 GHz Temp 2 [T1 nB] -19.88 dBm 1.746499385 GHz Center 1.745 GHz 1 MHz/ Span 10 MHz Date: 16.JUL.2021 14:19:17		 Ref 25 dBm Att 20 dB RBW 30 kHz Marker 1 [T1] 3.97 dBm *VSW 100 kHz SWT 30 ms 1.746028641 GHz nB [T1] 24.00 dB BW 2.300744331 MHz Temp 1 [T1 nB] -21.69 dBm 1.743509615 GHz Temp 2 [T1 nB] -22.53 dBm 1.746504410 GHz Center 1.745 GHz 1 MHz/ Span 10 MHz Date: 16.JUL.2021 14:20:16		
64QAM (-26dBc)		/		
 Ref 25 dBm Offset 9 dB Att 20 dB RBW 30 kHz Marker 1 [T1] 12.84 dBm *VSW 100 kHz SWT 30 ms 1.746266026 GHz nB [T1] 24.00 dB BW 2.980744331 MHz Temp 1 [T1 nB] -12.81 dBm 1.743509615 GHz Temp 2 [T1 nB] -13.71 dBm 1.746499385 GHz Center 1.745 GHz 1 MHz/ Span 10 MHz Date: 26.AUG.2021 11:38:02		/		



LTE band 66, 5MHz (-26dBc)

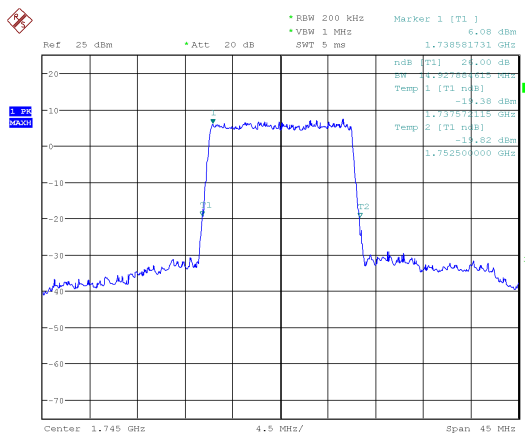
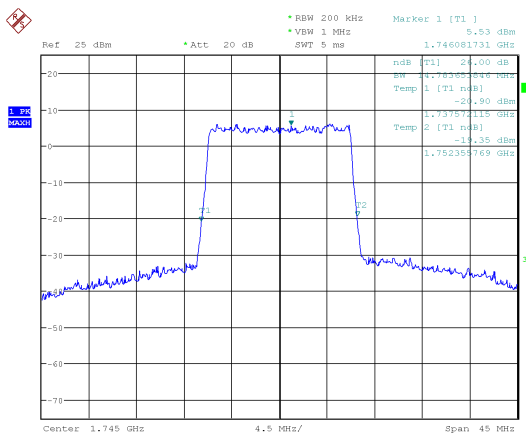
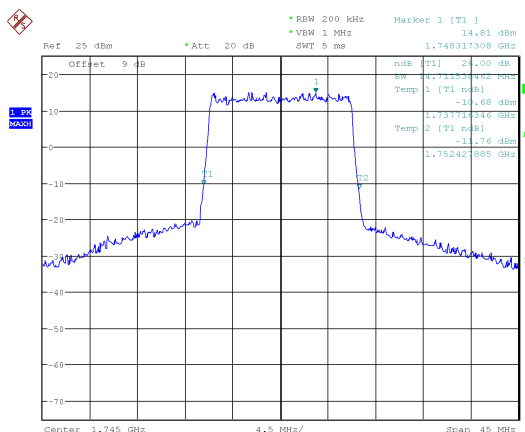
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)			
1745.0		QPSK	16QAM	64QAM	
		5.00	5.02	4.95	
QPSK (-26dBc)		16QAM (-26dBc)			
64QAM (-26dBc)		/			
		/			



LTE band 66, 10MHz (-26dBc)

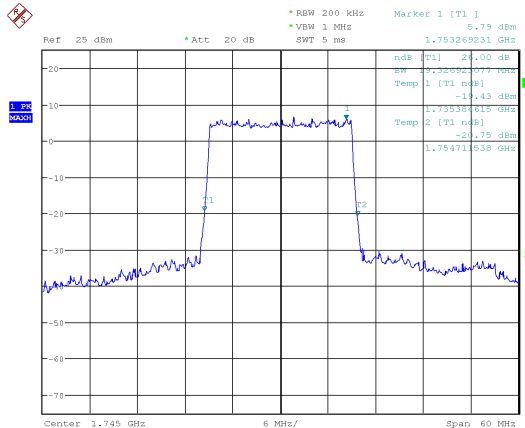
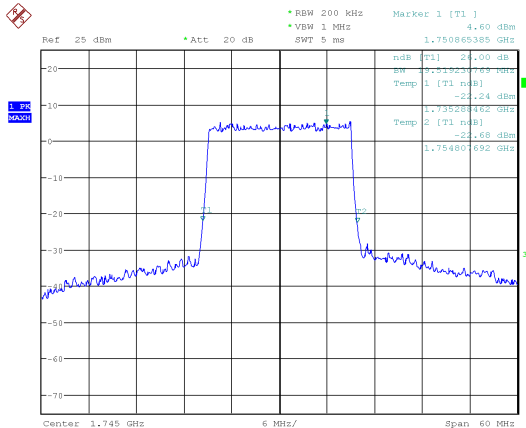
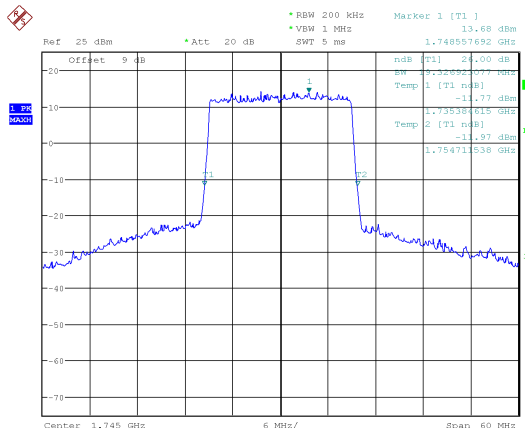
Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1745.0		QPSK	16QAM	64QAM
		9.90	9.76	9.76
QPSK (-26dBc)		16QAM (-26dBc)		
64QAM (-26dBc)		/		
		/		

LTE band 66, 15MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1745.0		QPSK	16QAM	64QAM
		14.93	14.79	14.71
QPSK (-26dBc)		16QAM (-26dBc)		
				
64QAM (-26dBc)		/		
		/		



LTE band 66, 20MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
1745.0		QPSK	16QAM	64QAM
		19.33	19.52	19.33
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 1.753269231 GHz, 5.79 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -19.43 dBm, 1.735384615 GHz, Temp 2 [T1 nB], -29.75 dBm, 1.754711538 GHz, 30B, 1.754711538 GHz Date: 16.JUL.2021 14:27:39		 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 1.750865385 GHz, 4.60 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -22.24 dBm, 1.735284462 GHz, Temp 2 [T1 nB], -22.68 dBm, 1.754804692 GHz, 30B, 1.754804692 GHz Date: 16.JUL.2021 14:28:38		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Offset: 9 dB, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1], 1.748557682 GHz, 13.68 dBm, nB [T1], 24.00 dB, BW [T1], 20.00 MHz, Temp 1 [T1 nB], -11.77 dBm, 1.735384615 GHz, Temp 2 [T1 nB], -11.97 dBm, 1.754711538 GHz, 30B, 1.754711538 GHz Date: 26.AUG.2021 11:42:21		/		

LTE band 71, 5MHz (-26dBc)

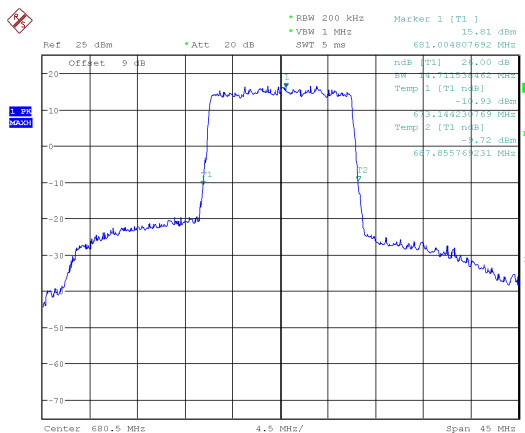
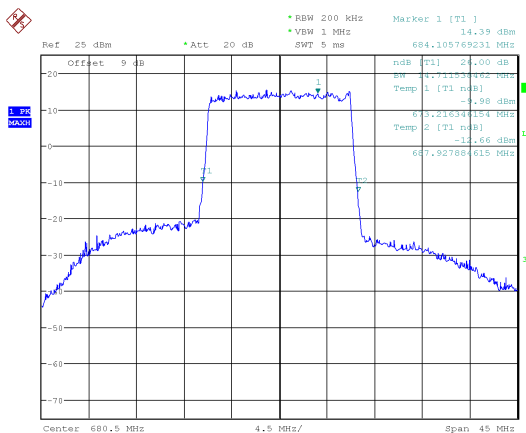
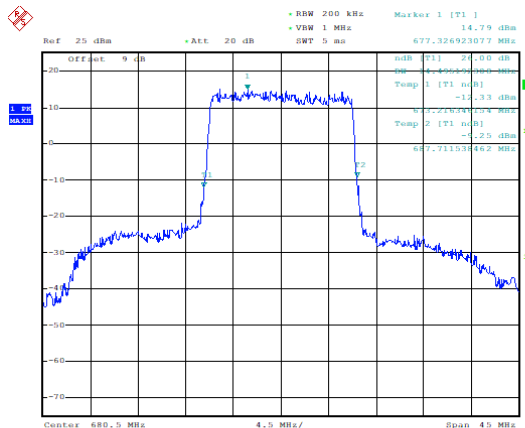
Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
680.5	QPSK	16QAM	64QAM
	4.95	4.98	4.93
QPSK (-26dBc)	16QAM (-26dBc)		
Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 678.408653846 MHz, nB [T1]: 24.00 dBm, BW: 4.951923077 MHz, Temp 1 [T1 nB]: -13.49 dBm, Temp 2 [T1 nB]: -13.49 dBm, LVL: 682.975961538 MHz, 30B: -70 dBm Center: 680.5 MHz, Span: 15 MHz Date: 26.AUG.2021 13:58:09	Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 682.615384615 MHz, nB [T1]: 24.00 dBm, BW: 4.975961538 MHz, Temp 1 [T1 nB]: -13.96 dBm, Temp 2 [T1 nB]: -13.45 dBm, LVL: 683.000000000 MHz, 30B: -70 dBm Center: 680.5 MHz, Span: 15 MHz Date: 26.AUG.2021 13:59:09		
64QAM (-26dBc)	/		
Ref: 25 dBm, Att: 20 dB, RBW: 50 kHz, VSW: 200 kHz, SWT: 10 ms, Marker 1 [T1]: 678.865384615 MHz, nB [T1]: 24.00 dBm, BW: 4.975961538 MHz, Temp 1 [T1 nB]: -13.31 dBm, Temp 2 [T1 nB]: -13.74 dBm, LVL: 682.951923077 MHz, 30B: -70 dBm Center: 680.5 MHz, Span: 15 MHz Date: 27.JAN.2008 02:45:56	/		

LTE band 71, 10MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
680.5	QPSK	16QAM	64QAM
	9.86	9.81	9.76
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		



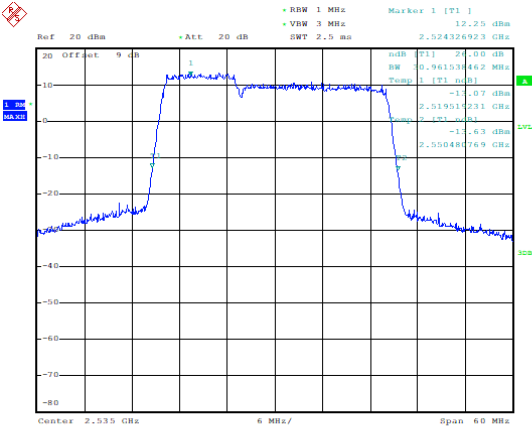
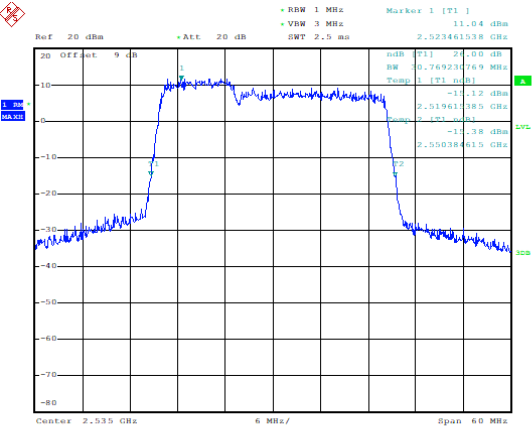
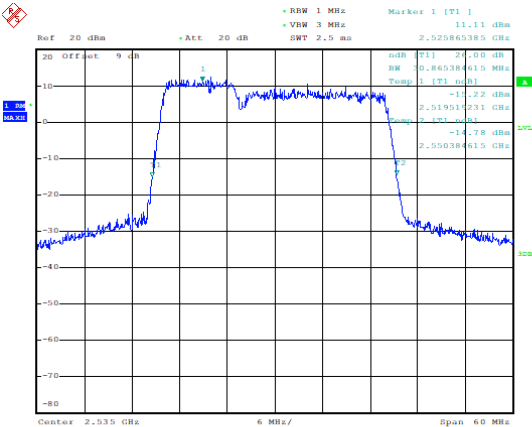
LTE band 71, 15MHz (-26dBc)

Frequency(MHz)		Occupied Bandwidth (-26dBc)(MHz)		
680.5		QPSK	16QAM	64QAM
		14.71	14.71	14.50
QPSK (-26dBc)		16QAM (-26dBc)		
 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 681.004807692 MHz, 15.81 dBm, nB [T1]: 24.00 dBm, BW: 14.71 MHz, Temp 1 [T1 nB]: -10.93 dBm, Temp 2 [T1 nB]: -13.72 dBm, 687.855769231 MHz Center: 680.5 MHz, 4.5 MHz/Div, Span: 45 MHz Date: 26.AUG.2021 14:02:18		 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 684.105769231 MHz, 14.39 dBm, nB [T1]: 24.00 dBm, BW: 14.39 MHz, Temp 1 [T1 nB]: -9.98 dBm, Temp 2 [T1 nB]: -12.66 dBm, 687.927884615 MHz Center: 680.5 MHz, 4.5 MHz/Div, Span: 45 MHz Date: 26.AUG.2021 14:03:17		
64QAM (-26dBc)		/		
 Ref: 25 dBm, Att: 20 dB, RBW: 200 kHz, VSW: 1 MHz, SWT: 5 ms, Marker 1 [T1]: 677.326923077 MHz, 14.79 dBm, nB [T1]: 24.00 dBm, BW: 14.79 MHz, Temp 1 [T1 nB]: -12.33 dBm, Temp 2 [T1 nB]: -14.25 dBm, 687.711534462 MHz Center: 680.5 MHz, 4.5 MHz/Div, Span: 45 MHz Date: 27.JAN.2022 02:46:24		/		

LTE band 71, 20MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)(MHz)		
680.5	QPSK	16QAM	64QAM
	19.33	19.42	19.33
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		

LTE CA-7C, 10MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
50@0+100@0	QPSK	16QAM	64QAM
	30.96	30.77	30.87
QPSK (-26dBc)	16QAM (-26dBc)		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 12.25 dBm RBW 1 MHz VBW 3 MHz dB [T1] 24.00 dBm BW 0.96153462 MHz Temp 1 [T1] dBm -12.07 dBm 2.519515231 GHz -12.07 dBm 2.550484769 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 3.JAN.2008 07:57:45	 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 11.04 dBm RBW 1 MHz VBW 3 MHz dB [T1] 24.00 dBm BW 0.749234769 MHz Temp 1 [T1] dBm -12.12 dBm 2.51961585 GHz -12.12 dBm 2.55038415 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 3.JAN.2008 07:59:20		
64QAM (-26dBc)	/		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 11.11 dBm RBW 1 MHz VBW 3 MHz dB [T1] 24.00 dBm BW 0.863384415 MHz Temp 1 [T1] dBm -12.22 dBm 2.519515231 GHz -12.22 dBm 2.55038415 GHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 27.JAN.2008 05:39:11	/		

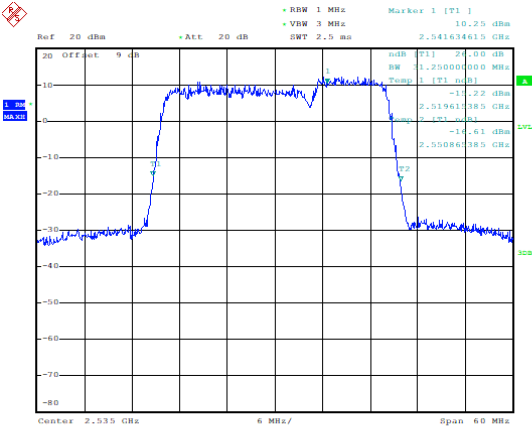
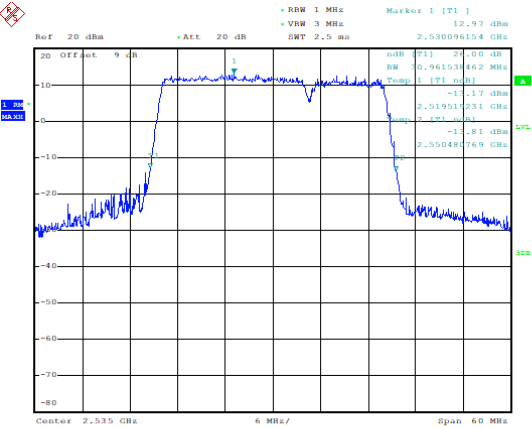
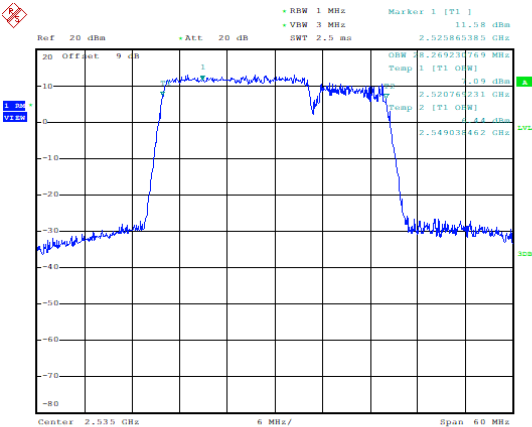
LTE CA-7C, 15MHz+15MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
75@0+75@0	QPSK	16QAM	64QAM
	31.73	31.63	31.73
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm Att 20 dB SW 2.5 ms Marker 1 [T1] 8.80 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 3.JAN.2008 08:10:41	Ref 20 dBm Att 20 dB SW 2.5 ms Marker 1 [T1] 9.88 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 3.JAN.2008 08:12:06		
64QAM (-26dBc)	/		
Ref 20 dBm Att 20 dB SW 2.5 ms Marker 1 [T1] 8.63 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 27.JAN.2008 05:41:05	/		

LTE CA-7C, 15MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
75@0+100@0	QPSK	16QAM	64QAM
	35.96	35.96	35.96
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		

LTE CA-7C, 20MHz+10MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+50@0	QPSK	16QAM	64QAM
	31.25	30.96	21.44
QPSK (-26dBc)	16QAM (-26dBc)		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 10.25 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 3.JAN.2008 08:05:00	 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 12.97 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 6.JAN.2008 01:27:29		
64QAM (-26dBc)	/		
 Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 11.58 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz Date: 27.JAN.2008 05:40:15	/		

LTE CA-7C, 20MHz+15MHz (-26dBc)

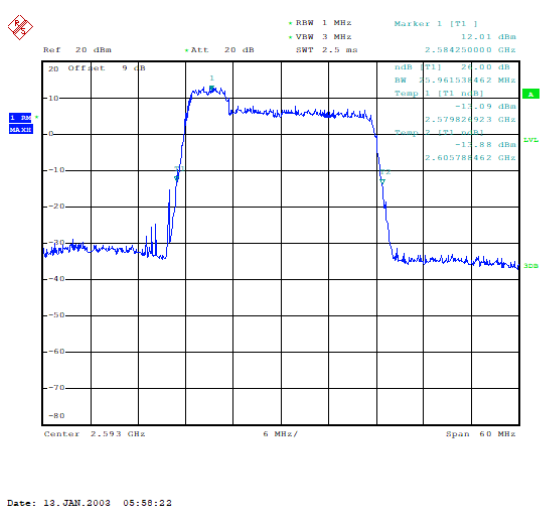
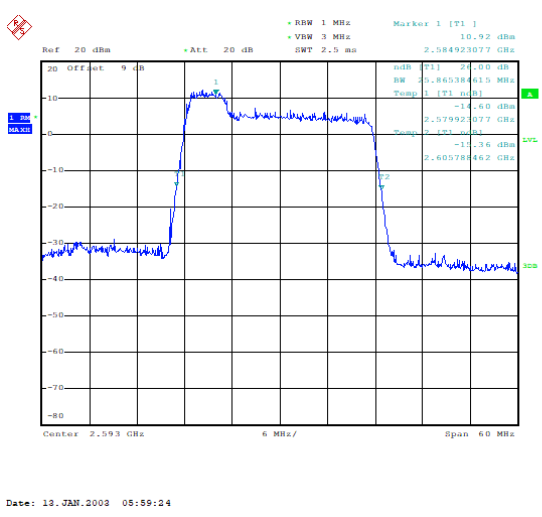
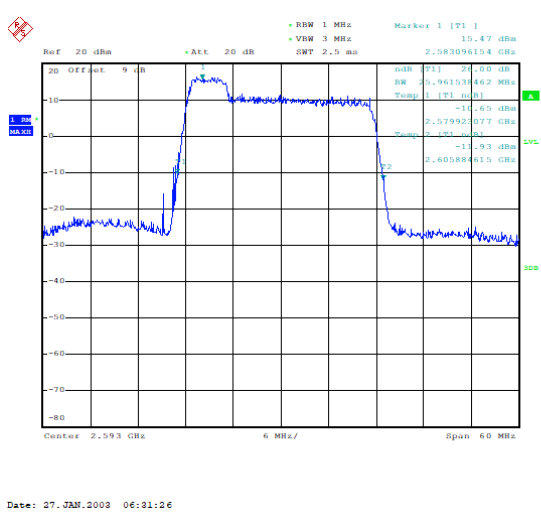
RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+75@0	QPSK	16QAM	64QAM
	35.96	36.06	35.96
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm, Att 20 dB, VSW 3 MHz, SWT 2.5 ms, Marker 1 [T1] 7.89 dBm, BW 5.961534462 MHz, Temp 1 [T1] 0.00 dB, -11.65 dBm, -20.03 dBm, 2.51711385 GHz, 2.553074923 GHz, Center 2.535 GHz, 6 MHz, Span 60 MHz, Date: 3.JAN.2008 08:16:54	Ref 20 dBm, Att 20 dB, VSW 3 MHz, SWT 2.5 ms, Marker 1 [T1] 8.25 dBm, BW 6.05769308 MHz, Temp 1 [T1] 0.00 dB, -10.94 dBm, -11.75 dBm, 2.517015231 GHz, 2.553074923 GHz, Center 2.535 GHz, 6 MHz, Span 60 MHz, Date: 3.JAN.2008 08:18:19		
64QAM (-26dBc)	/		
Ref 20 dBm, Att 20 dB, VSW 3 MHz, SWT 2.5 ms, Marker 1 [T1] 9.51 dBm, BW 5.961534462 MHz, Temp 1 [T1] 0.00 dB, -11.82 dBm, -14.20 dBm, 2.51711385 GHz, 2.553074923 GHz, Center 2.535 GHz, 6 MHz, Span 60 MHz, Date: 27.JAN.2008 06:00:24	/		

LTE CA-7C, 20MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+100@0	QPSK	16QAM	64QAM
	36.54	41.06	40.77
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 8.46 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz	Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 6.29 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz		
64QAM (-26dBc)	/		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 8.31 dBm RBW 1 MHz VBW 3 MHz Center 2.535 GHz 6 MHz/ Span 60 MHz	/		



LTE CA-41C, 5MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
	QPSK	16QAM	64QAM
25@0+100@0	25.96	25.87	25.96
QPSK (-26dBc)	16QAM (-26dBc)		
			
64QAM (-26dBc)	/		
	/		

LTE CA-41C, 10MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
50@0+100@0	QPSK	16QAM	64QAM
	30.96	30.68	17.50
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		

LTE CA-41C, 15MHz+15MHz (-26dBc)

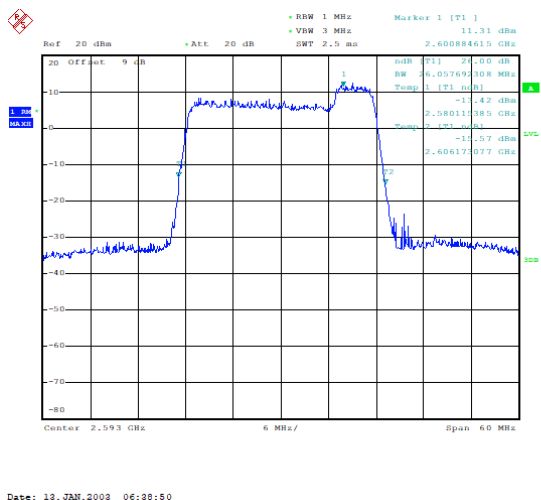
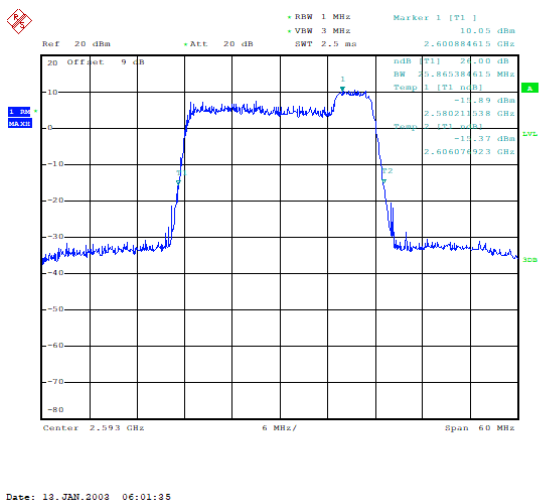
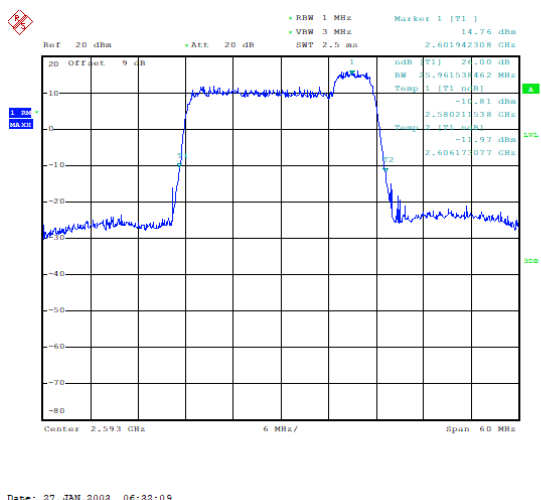
RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
75@0+75@0	QPSK	16QAM	64QAM
	31.54	31.83	31.83
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 8.43 dBm RBW 1 MHz BW 1.53844538 MHz VBW 3 MHz Temp 1 [T1] dBm dBm [T1] 24.00 dBm BW 1.53844538 MHz Temp 1 [T1] dBm -11.61 dBm 2.57723769 GHz 2.577038462 GHz -11.07 dBm 2.60876231 GHz Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 13.JAN.2008 06:06:28	Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 6.45 dBm RBW 1 MHz BW 1.82692577 MHz VBW 3 MHz Temp 1 [T1] dBm dBm [T1] 24.00 dBm BW 1.82692577 MHz Temp 1 [T1] dBm -11.99 dBm 2.577038462 GHz 2.577038462 GHz -11.31 dBm 2.60886385 GHz Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 13.JAN.2008 06:07:28		
64QAM (-26dBc)	/		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 10.08 dBm RBW 1 MHz BW 1.82692577 MHz VBW 3 MHz Temp 1 [T1] dBm dBm [T1] 24.00 dBm BW 1.82692577 MHz Temp 1 [T1] dBm -11.67 dBm 2.577038462 GHz 2.577038462 GHz -11.68 dBm 2.60886385 GHz Center 2.593 GHz 6 MHz/ Span 60 MHz Date: 27.JAN.2008 06:48:02	/		

LTE CA-41C, 15MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
75@0+100@0	QPSK	16QAM	64QAM
	35.87	35.87	35.87
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		



LTE CA-41C, 20MHz+5MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
	QPSK	16QAM	64QAM
100@0+50@0	26.06	25.87	25.96
QPSK (-26dBc)	16QAM (-26dBc)		
			
64QAM (-26dBc)	/		
	/		

LTE CA-41C, 20MHz+10MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+50@0	QPSK	16QAM	64QAM
	30.96	31.15	31.06
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm Att 20 dB SWT 2.5 ms Center 2.593 GHz Span 60 MHz Marker 1 [T1] 9.46 dBm BW 0.96153462 MHz Temp 1 [T1] dBm -14.65 dBm 2.57761385 GHz 2.60857423 GHz Date: 13.JAN.2003 06:05:16	Ref 20 dBm Att 20 dB SWT 2.5 ms Center 2.593 GHz Span 60 MHz Marker 1 [T1] 3.73 dBm BW 1.15384454 MHz Temp 1 [T1] dBm -20.98 dBm 2.57751431 GHz 2.60867477 GHz Date: 13.JAN.2003 06:05:54		
64QAM (-26dBc)	/		
Ref 20 dBm Att 20 dB SWT 2.5 ms Center 2.593 GHz Span 60 MHz Marker 1 [T1] 12.68 dBm BW 1.05769408 MHz Temp 1 [T1] dBm -12.84 dBm 2.57761385 GHz 2.60867477 GHz Date: 27.JAN.2003 06:38:25	/		

LTE CA-41C, 20MHz+15MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+75@0	QPSK	16QAM	64QAM
	35.96	36.06	36.06
QPSK (-26dBc)	16QAM (-26dBc)		
64QAM (-26dBc)	/		
	/		

LTE CA-7C, 20MHz+20MHz (-26dBc)

RB Allocations(PCC)/ RB Allocations(SCC)	Occupied Bandwidth (-26dBc)(MHz)		
100@0+100@0	QPSK	16QAM	64QAM
	26.25	40.96	40.96
QPSK (-26dBc)	16QAM (-26dBc)		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 5.44 dBm RBW 1 MHz VBW 3 MHz Center 2.593 GHz 6 MHz Span 60 MHz Marker 1 [T1] 24.00 dBm BW 4.25000000 MHz Temp 1 [T1] 0.00 -22.40 dBm 2.57271538 GHz -16.76 dBm 2.60896538 GHz Date: 13.JAN.2008 06:11:26	Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 4.61 dBm RBW 1 MHz VBW 3 MHz Center 2.593 GHz 6 MHz Span 60 MHz Marker 1 [T1] 24.00 dBm BW 4.941534462 MHz Temp 1 [T1] 0.00 -20.95 dBm 2.572515231 GHz -20.87 dBm 2.613485769 GHz Date: 13.JAN.2008 06:12:18		
64QAM (-26dBc)	/		
Ref 20 dBm Att 20 dB SWT 2.5 ms Marker 1 [T1] 9.60 dBm RBW 1 MHz VBW 3 MHz Center 2.593 GHz 6 MHz Span 60 MHz Marker 1 [T1] 24.00 dBm BW 4.941534462 MHz Temp 1 [T1] 0.00 -16.07 dBm 2.572515231 GHz -16.48 dBm 2.613485769 GHz Date: 27.JAN.2008 06:46:12	/		