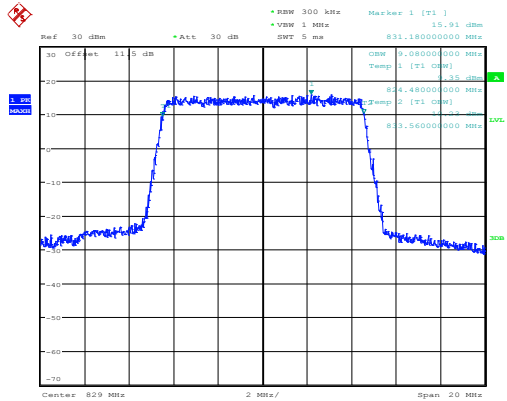


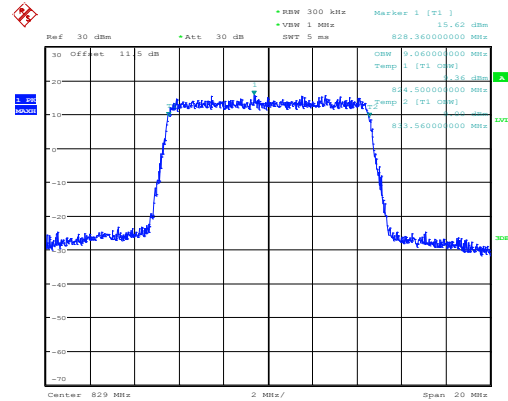
LTE Band 5

Lowest Channel / 10MHz / QPSK



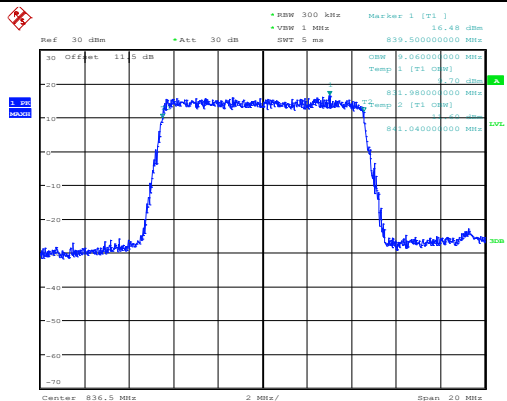
Date: 28.SEP.2014 16:40:26

Lowest Channel / 10MHz / 16QAM



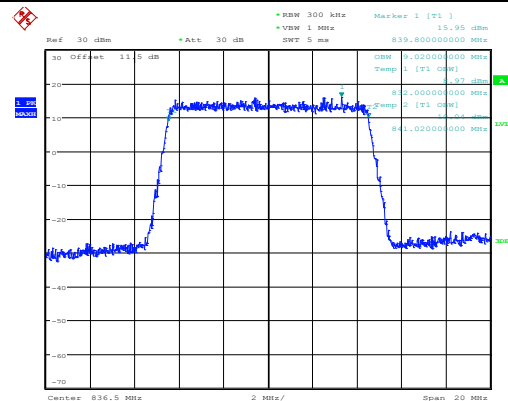
Date: 28.SEP.2014 16:40:40

Middle Channel / 10MHz / QPSK



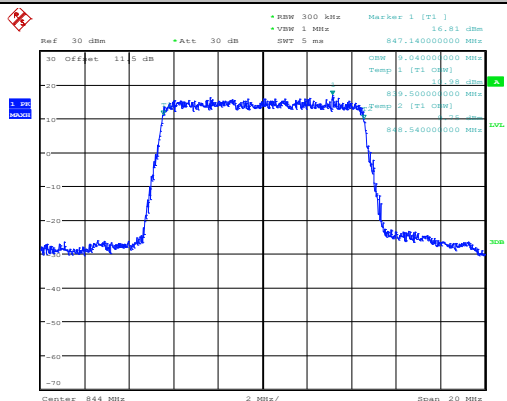
Date: 28.SEP.2014 16:46:04

Middle Channel / 10MHz / 16QAM



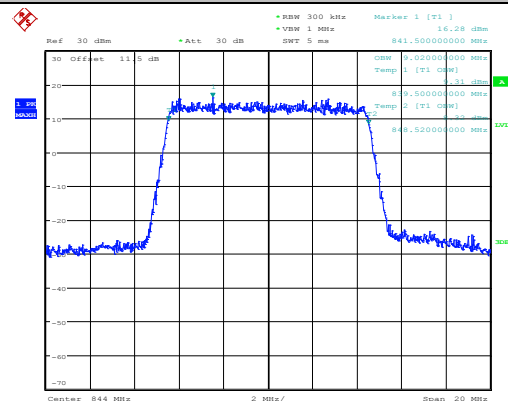
Date: 28.SEP.2014 16:46:18

Highest Channel / 10MHz / QPSK



Date: 28.SEP.2014 16:48:44

Highest Channel / 10MHz / 16QAM

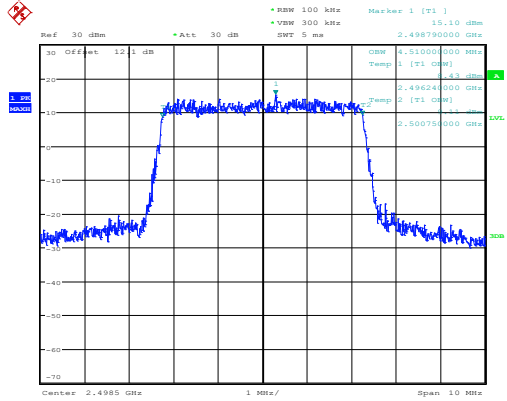


Date: 28.SEP.2014 16:48:58



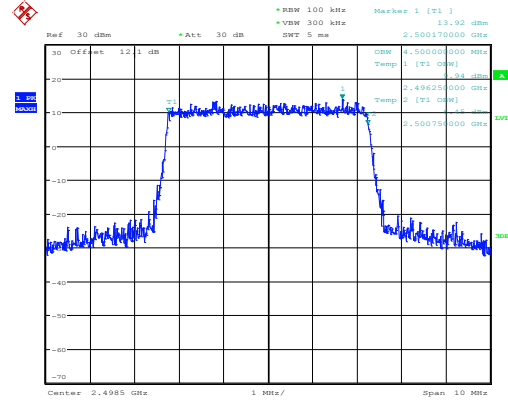
LTE Band 41

Lowest Channel / 5MHz / QPSK



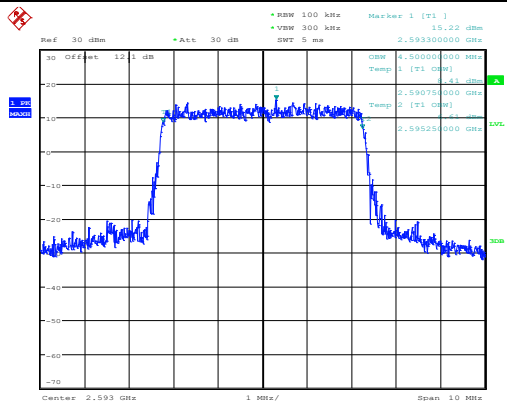
Date: 2.OCT.2014 09:49:47

Lowest Channel / 5MHz / 16QAM



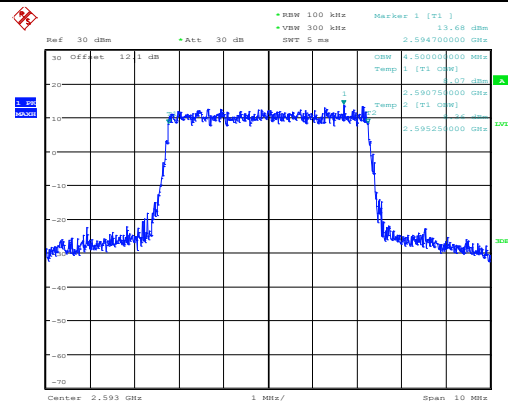
Date: 2.OCT.2014 09:49:57

Middle Channel / 5MHz / QPSK



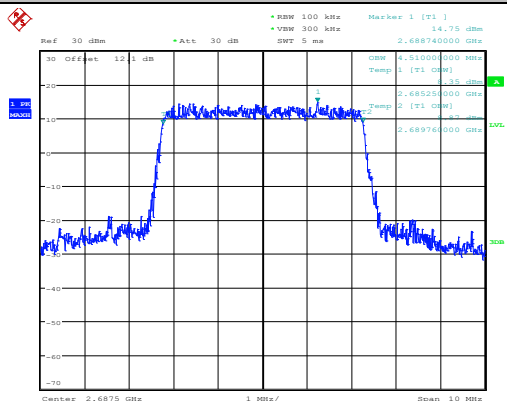
Date: 1.OCT.2014 15:38:15

Middle Channel / 5MHz / 16QAM



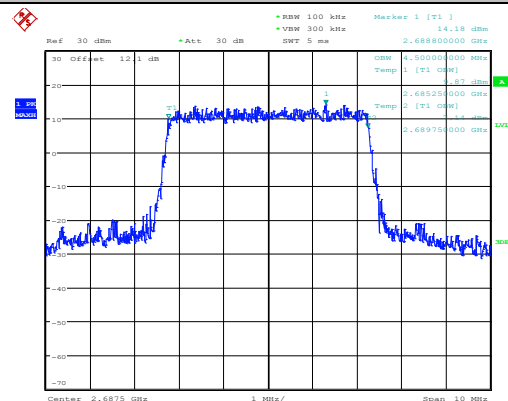
Date: 1.OCT.2014 15:38:26

Highest Channel / 5MHz / QPSK



Date: 1.OCT.2014 15:41:19

Highest Channel / 5MHz / 16QAM

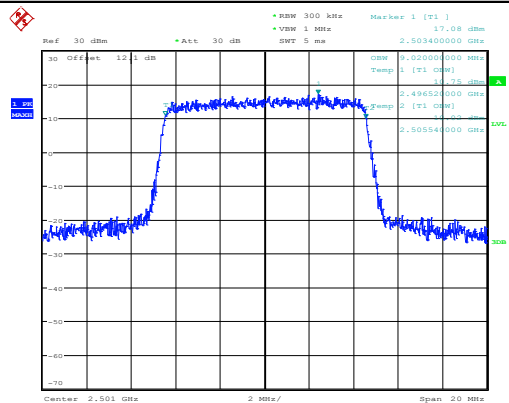


Date: 1.OCT.2014 15:41:30



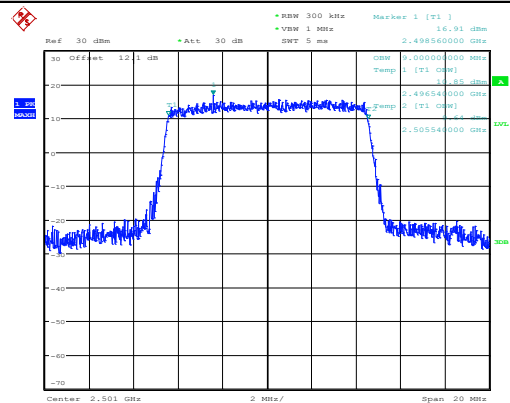
LTE Band 41

Lowest Channel / 10MHz / QPSK



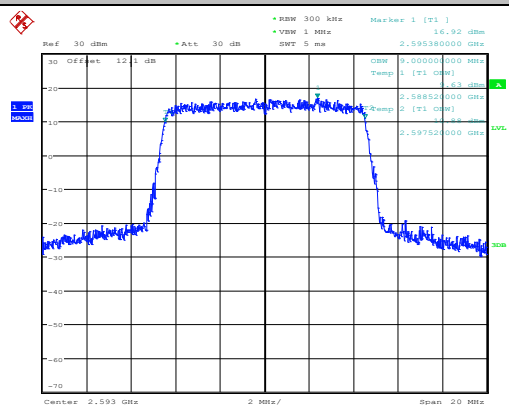
Date: 1.OCT.2014 15:49:05

Lowest Channel / 10MHz / 16QAM



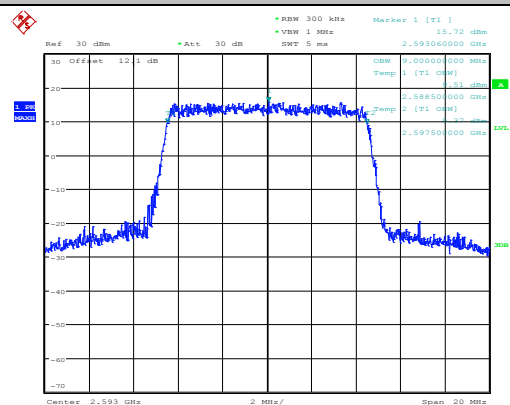
Date: 1.OCT.2014 15:49:15

Middle Channel / 10MHz / QPSK



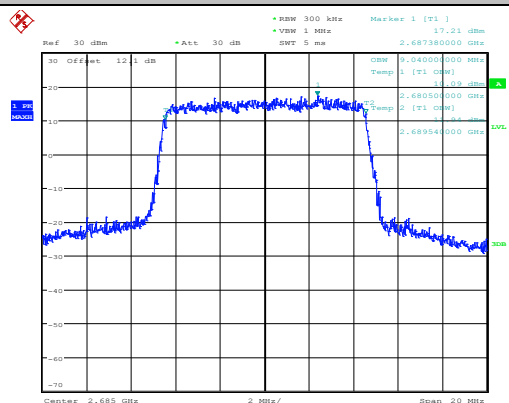
Date: 1.OCT.2014 15:58:56

Middle Channel / 10MHz / 16QAM



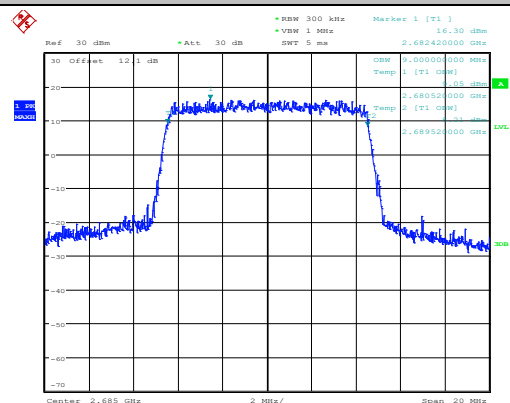
Date: 1.OCT.2014 15:59:06

Highest Channel / 10MHz / QPSK



Date: 1.OCT.2014 16:01:59

Highest Channel / 10MHz / 16QAM

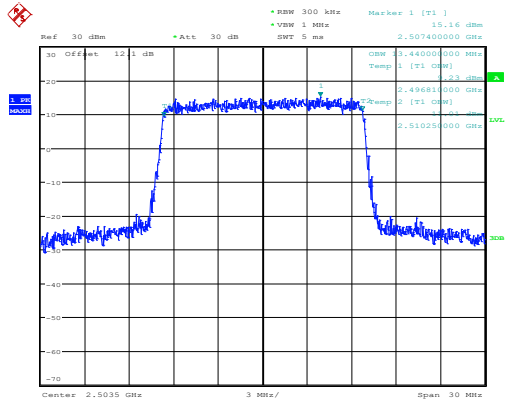


Date: 1.OCT.2014 16:02:10



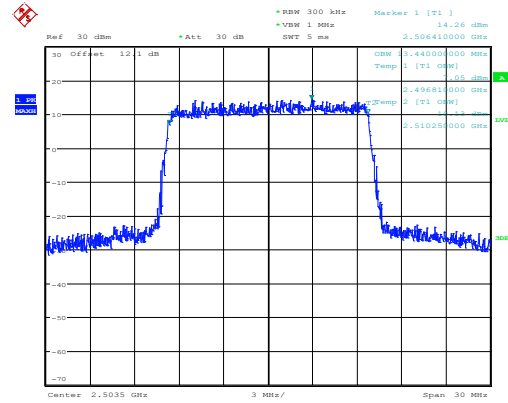
LTE Band 41

Lowest Channel / 15MHz / QPSK



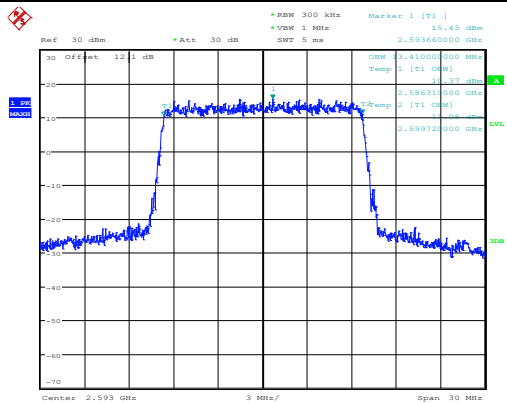
Date: 1.OCT.2014 16:09:48

Lowest Channel / 15MHz / 16QAM



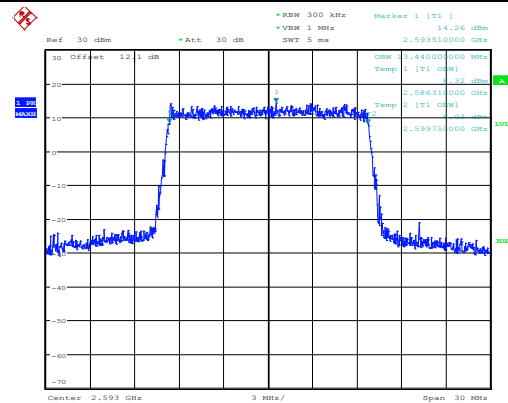
Date: 1.OCT.2014 16:09:58

Middle Channel / 15MHz / QPSK



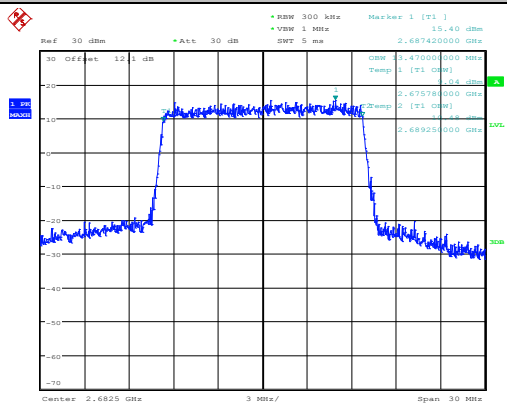
Date: 1.OCT.2014 16:17:35

Middle Channel / 15MHz / 16QAM



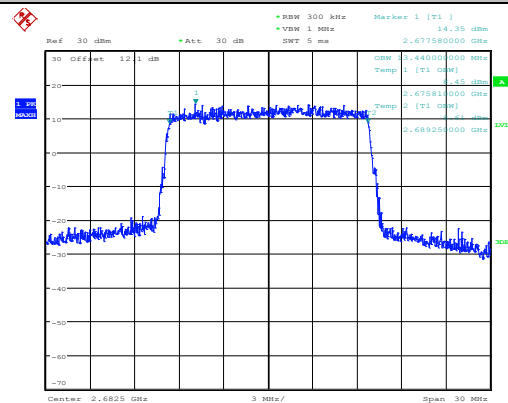
Date: 1.OCT.2014 16:17:45

Highest Channel / 15MHz / QPSK



Date: 2.OCT.2014 09:57:37

Highest Channel / 15MHz / 16QAM

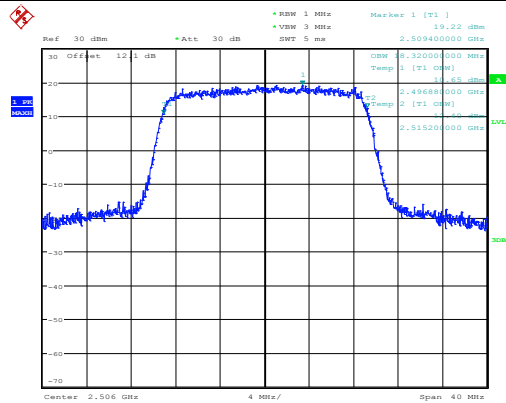


Date: 2.OCT.2014 09:57:47



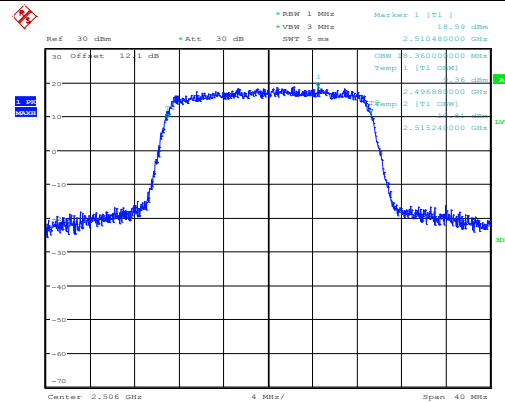
LTE Band 41

Lowest Channel / 20MHz / QPSK



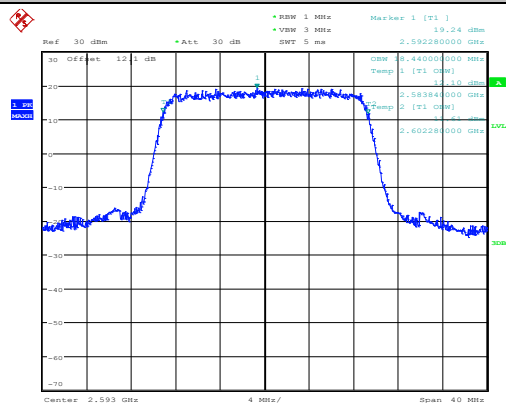
Date: 1.OCT.2014 16:27:23

Lowest Channel / 20MHz / 16QAM



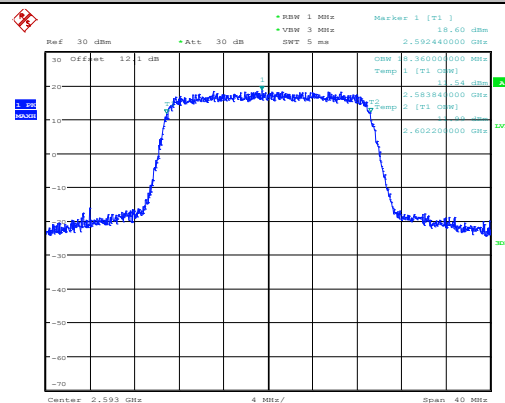
Date: 1.OCT.2014 16:27:33

Middle Channel / 20MHz / QPSK



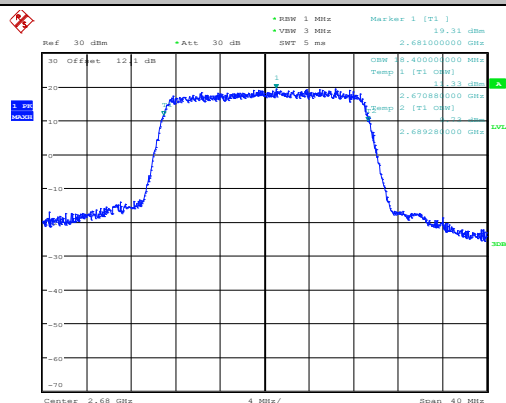
Date: 1.OCT.2014 16:35:07

Middle Channel / 20MHz / 16QAM



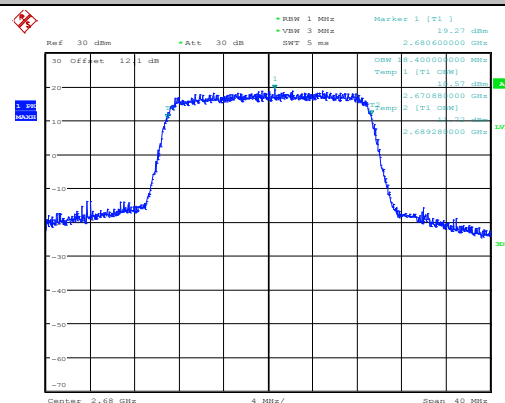
Date: 1.OCT.2014 16:35:17

Highest Channel / 20MHz / QPSK

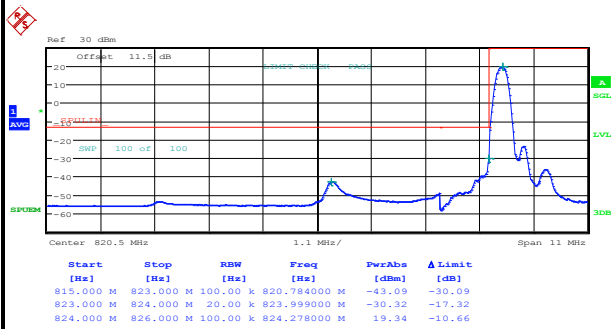


Date: 1.OCT.2014 16:38:11

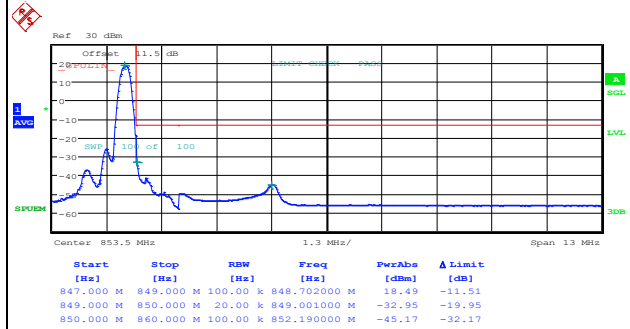
Highest Channel / 20MHz / 16QAM



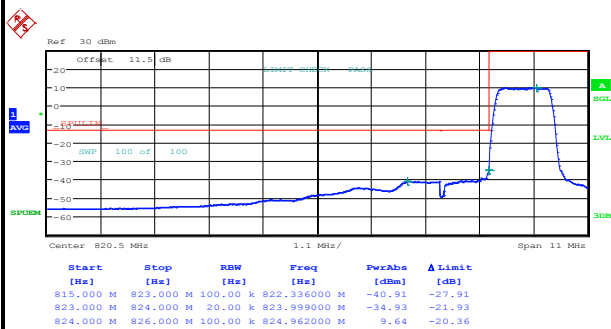
Date: 1.OCT.2014 16:38:21

**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB**

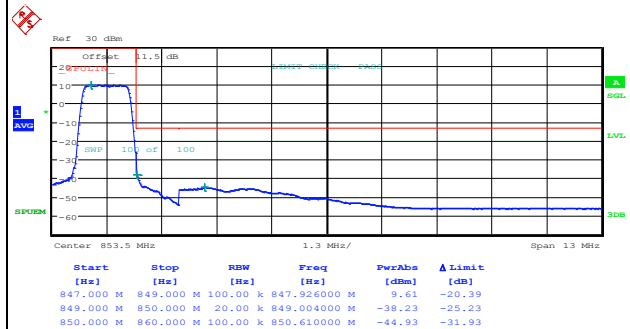
Date: 28.SEP.2014 15:23:30

Highest Band Edge / 1RB

Date: 28.SEP.2014 15:33:22

Lowest Band Edge / Full RB

Date: 28.SEP.2014 15:25:00

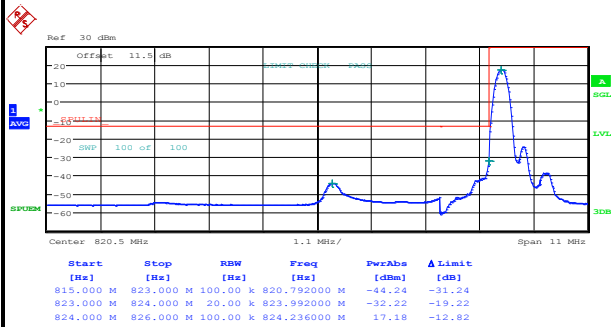
Highest Band Edge / Full RB

Date: 28.SEP.2014 15:31:53



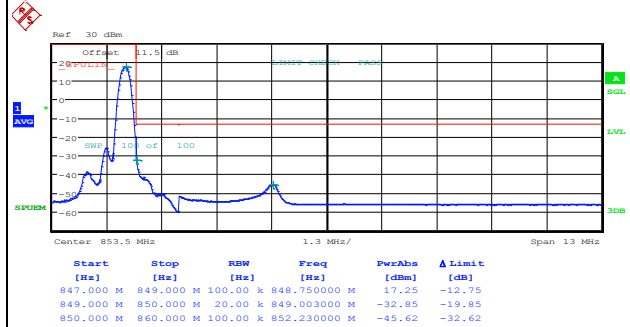
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



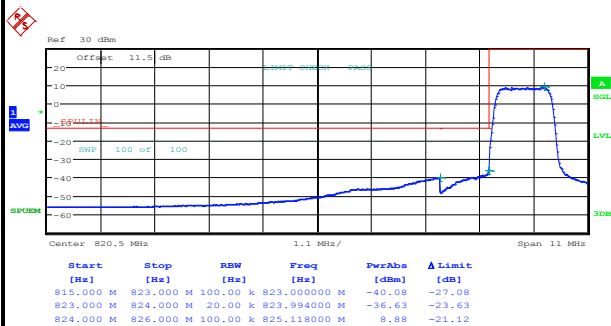
Date: 28.SEP.2014 15:24:15

Highest Band Edge / 1 RB



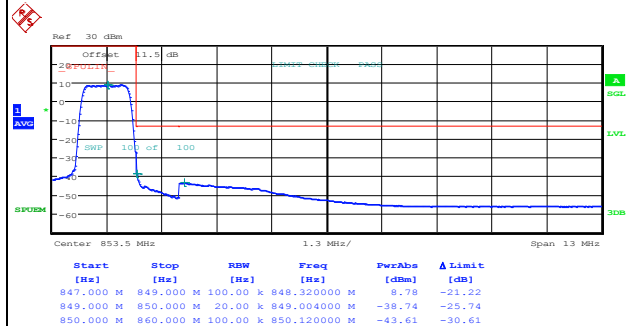
Date: 28.SEP.2014 15:34:07

Lowest Band Edge / Full RB



Date: 28.SEP.2014 15:25:45

Highest Band Edge / Full RB

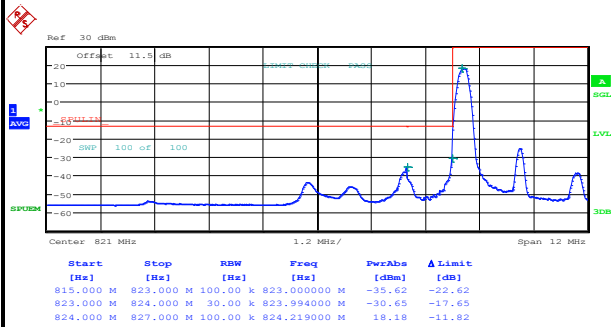


Date: 28.SEP.2014 15:32:38



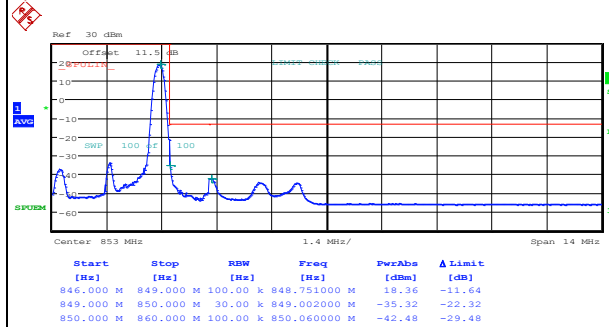
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



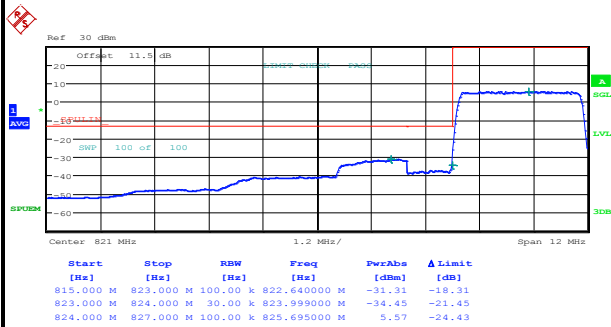
Date: 28.SEP.2014 16:12:59

Highest Band Edge / 1 RB



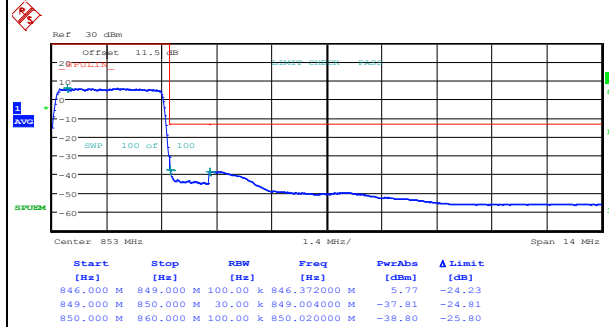
Date: 28.SEP.2014 16:21:19

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:14:29

Highest Band Edge / Full RB

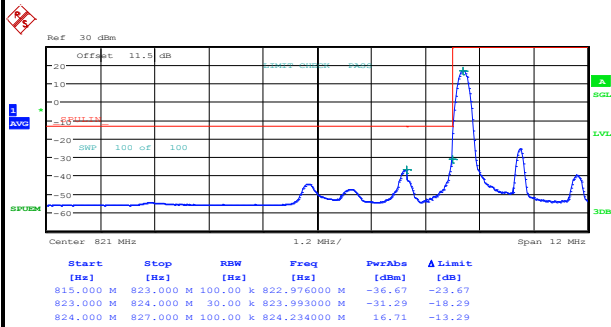


Date: 28.SEP.2014 16:23:42



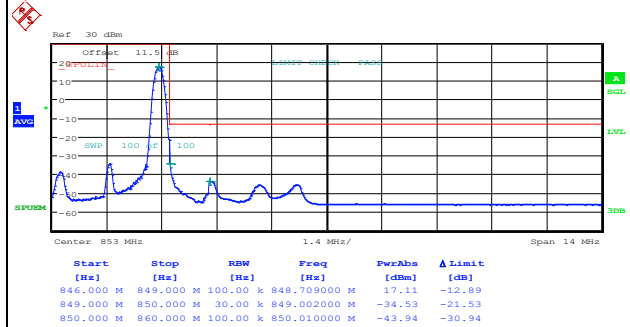
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



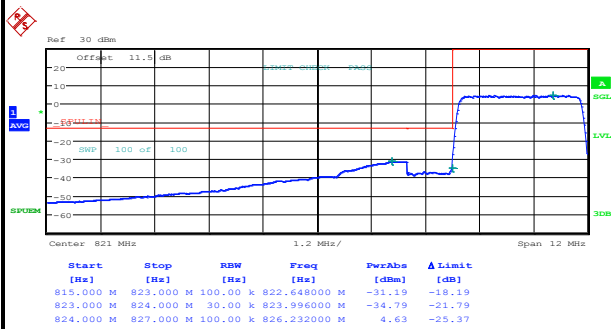
Date: 28.SEP.2014 16:13:44

Highest Band Edge / 1 RB



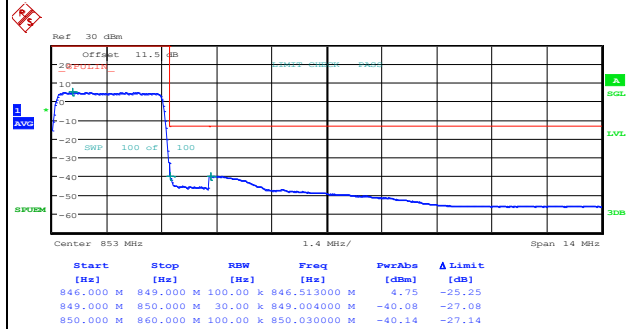
Date: 28.SEP.2014 17:00:44

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:15:14

Highest Band Edge / Full RB

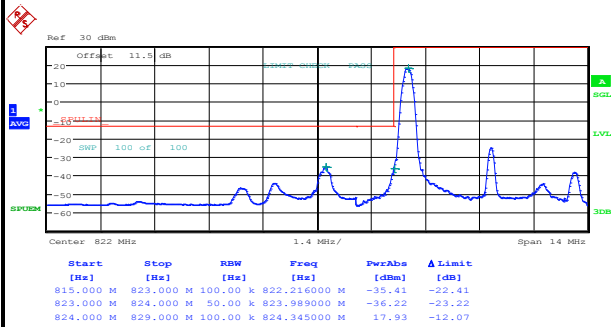


Date: 28.SEP.2014 16:24:27



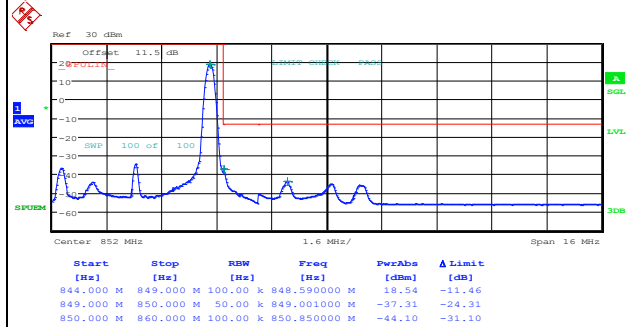
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



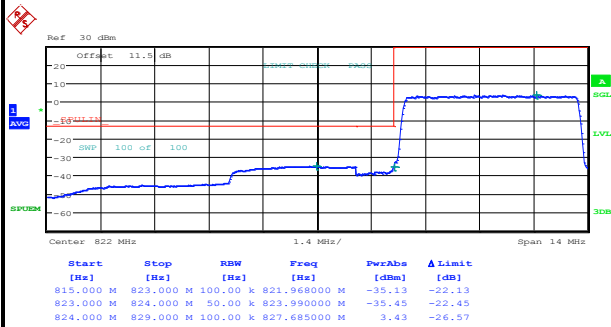
Date: 28.SEP.2014 16:27:56

Highest Band Edge / 1 RB



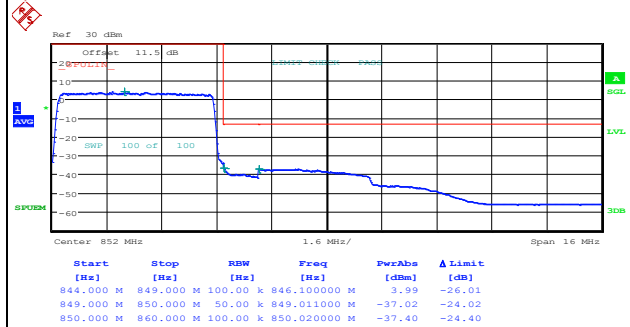
Date: 28.SEP.2014 16:36:14

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:29:26

Highest Band Edge / Full RB

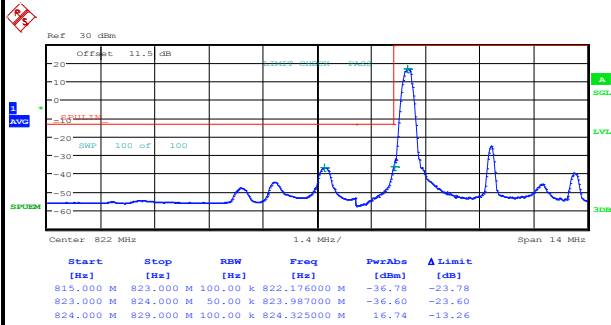


Date: 28.SEP.2014 16:37:44



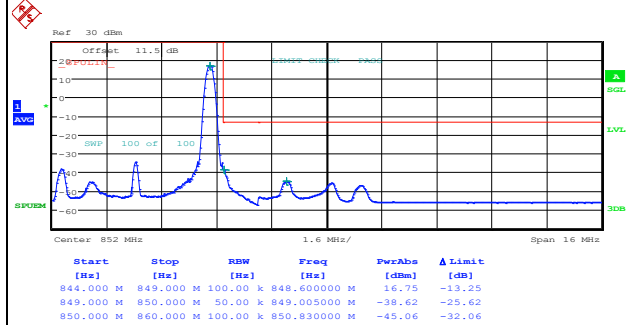
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



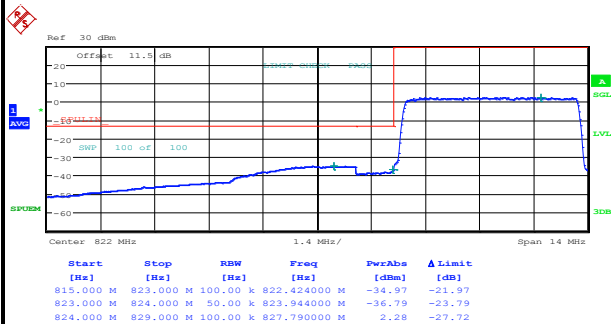
Date: 28.SEP.2014 16:28:41

Highest Band Edge / 1 RB



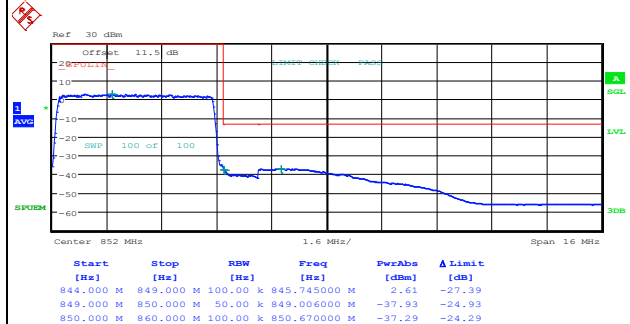
Date: 28.SEP.2014 16:36:59

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:30:11

Highest Band Edge / Full RB

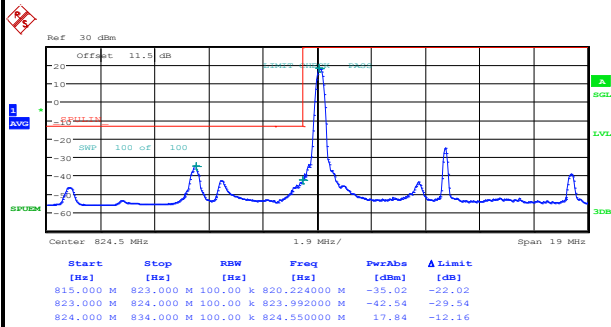


Date: 28.SEP.2014 16:38:29



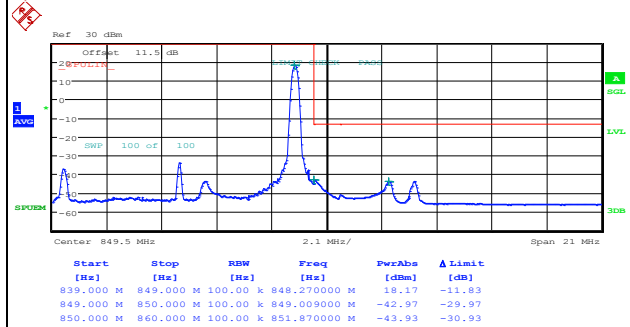
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



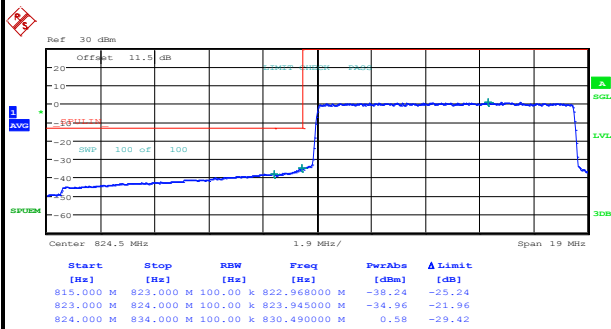
Date: 28.SEP.2014 16:41:57

Highest Band Edge / 1 RB



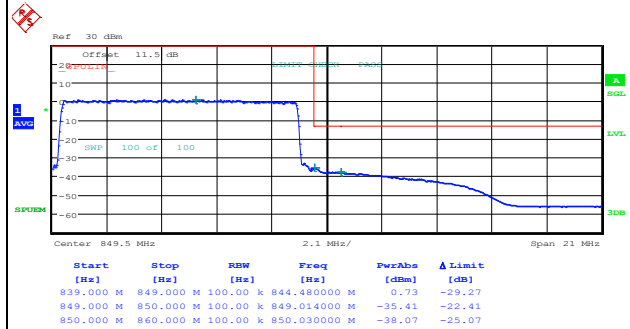
Date: 28.SEP.2014 16:50:14

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:43:26

Highest Band Edge / Full RB

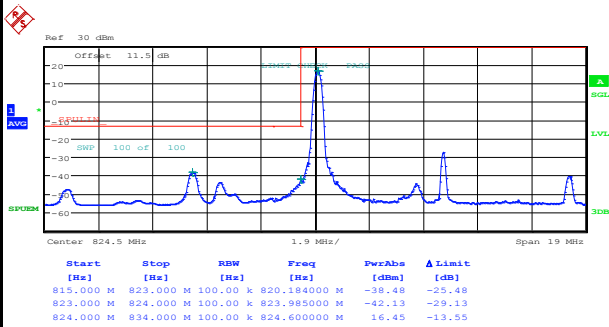


Date: 28.SEP.2014 16:51:44



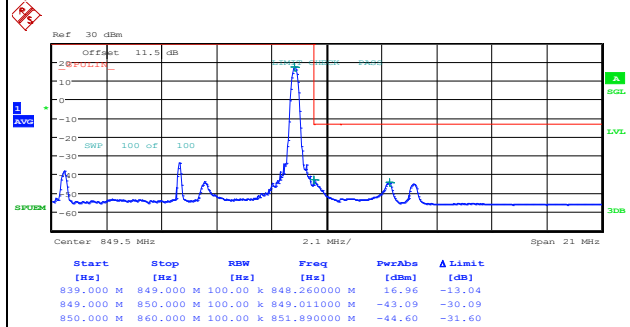
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



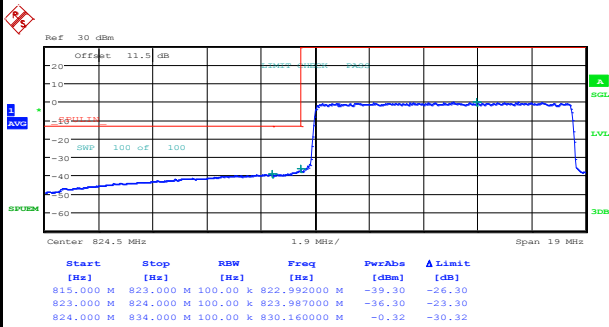
Date: 28.SEP.2014 16:42:41

Highest Band Edge / 1 RB



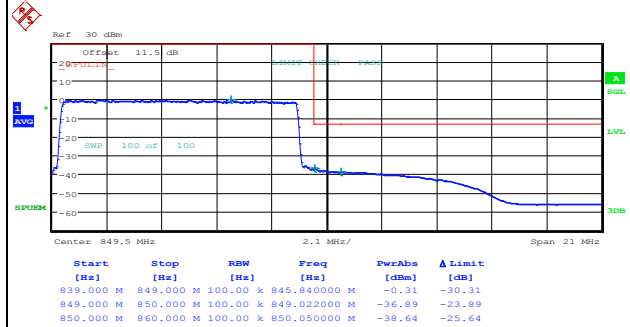
Date: 28.SEP.2014 16:50:59

Lowest Band Edge / Full RB



Date: 28.SEP.2014 16:44:11

Highest Band Edge / Full RB

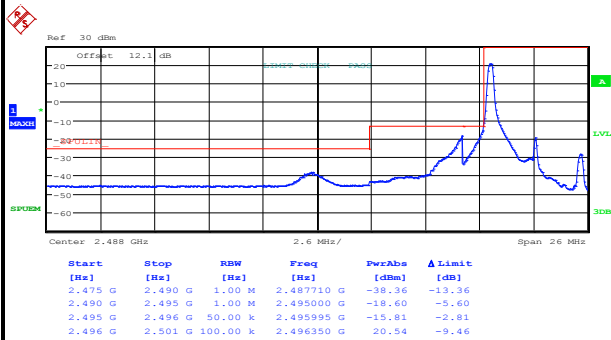


Date: 28.SEP.2014 16:52:29



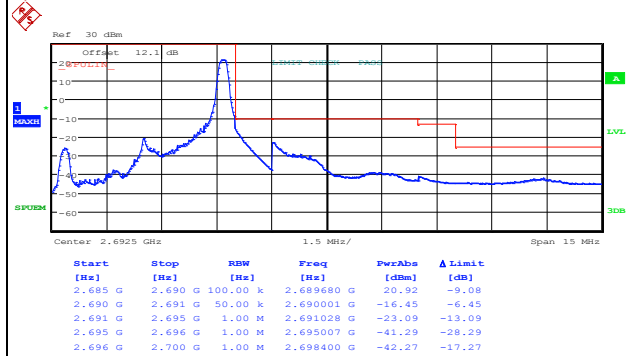
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



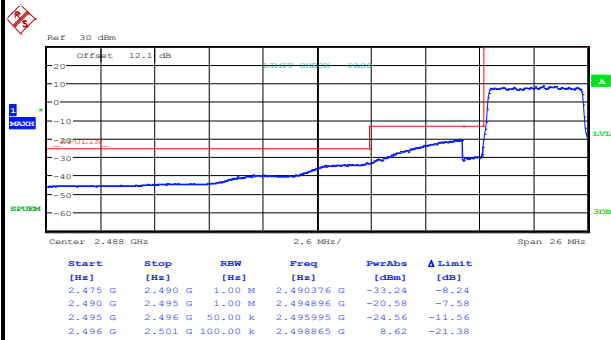
Date: 2.OCT.2014 09:51:31

Highest Band Edge / 1 RB



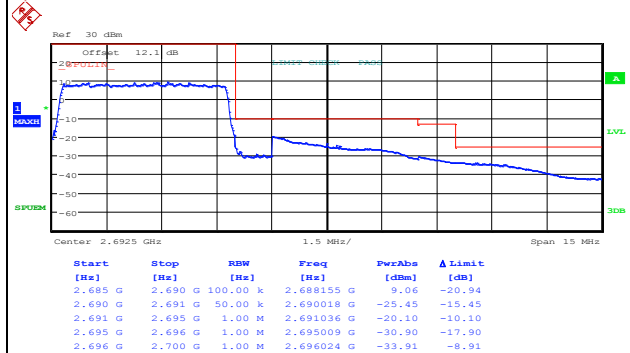
Date: 1.OCT.2014 15:43:03

Lowest Band Edge / Full RB



Date: 2.OCT.2014 09:53:52

Highest Band Edge / Full RB



Date: 1.OCT.2014 15:45:22



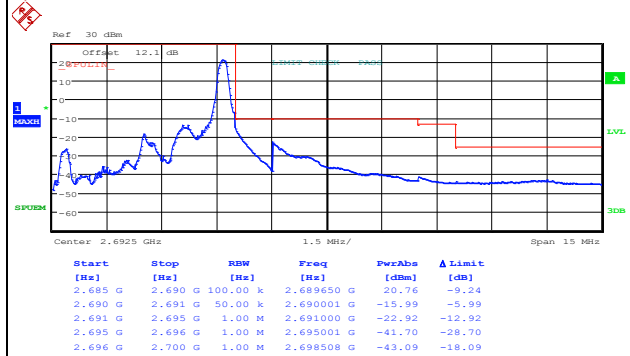
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



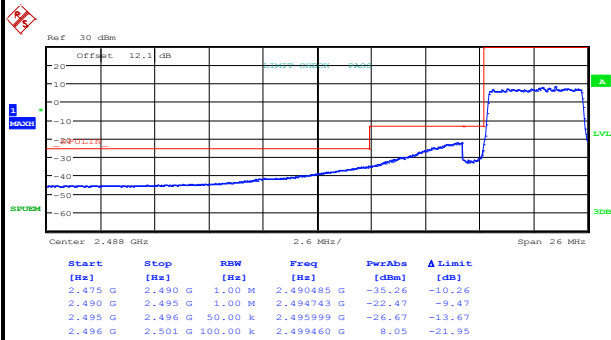
Date: 2.OCT.2014 09:52:41

Highest Band Edge / 1 RB



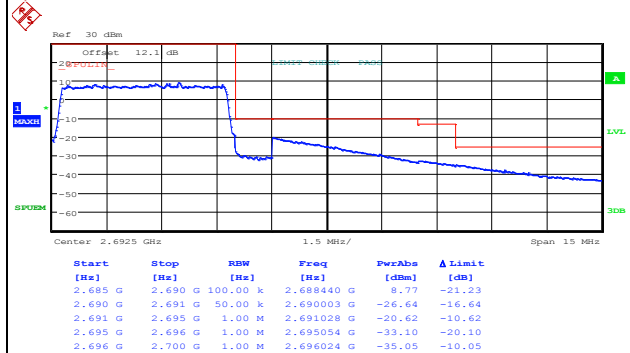
Date: 1.OCT.2014 15:44:13

Lowest Band Edge / Full RB



Date: 2.OCT.2014 09:55:02

Highest Band Edge / Full RB

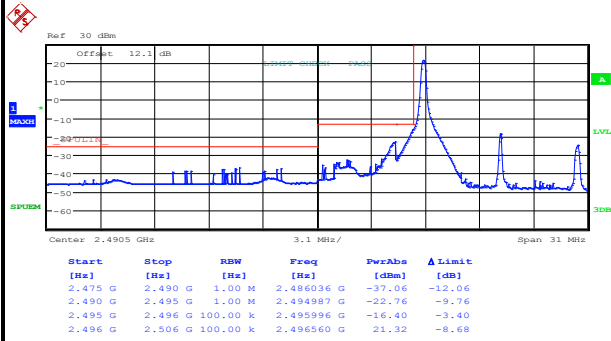


Date: 1.OCT.2014 15:46:32



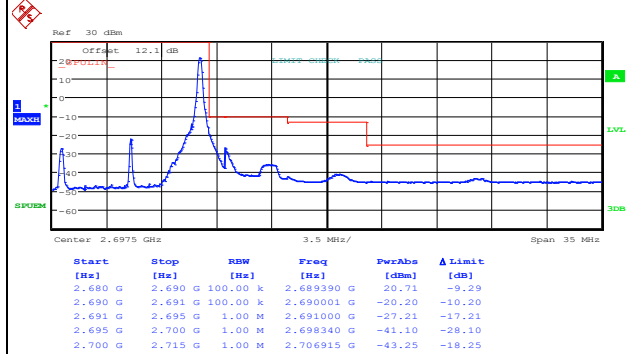
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



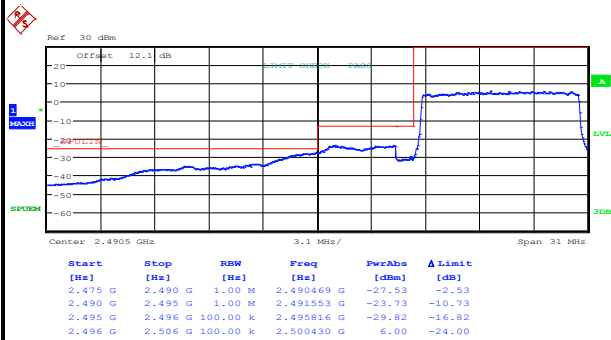
Date: 1.OCT.2014 15:52:56

Highest Band Edge / 1 RB



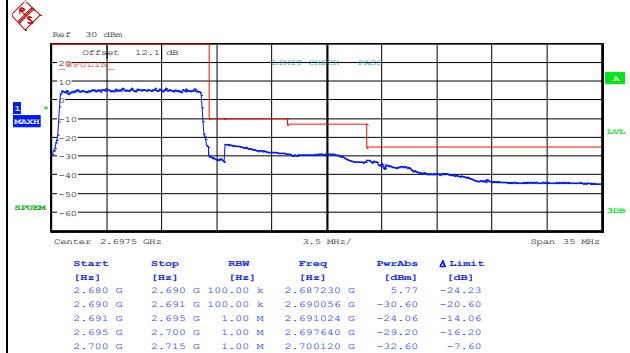
Date: 1.OCT.2014 16:03:43

Lowest Band Edge / Full RB



Date: 1.OCT.2014 15:55:15

Highest Band Edge / Full RB

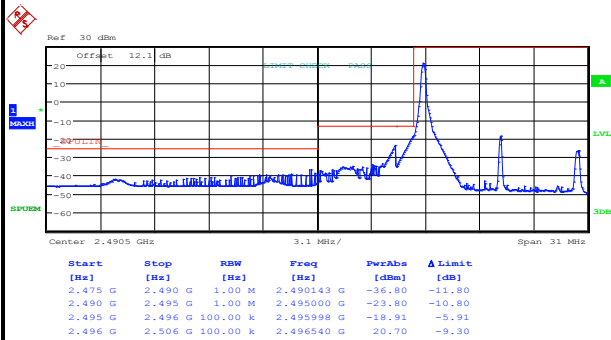


Date: 1.OCT.2014 16:06:03



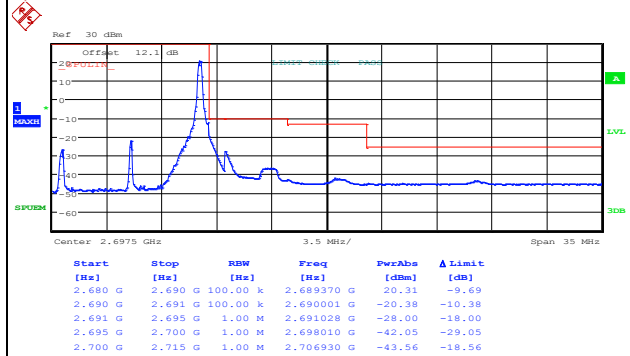
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



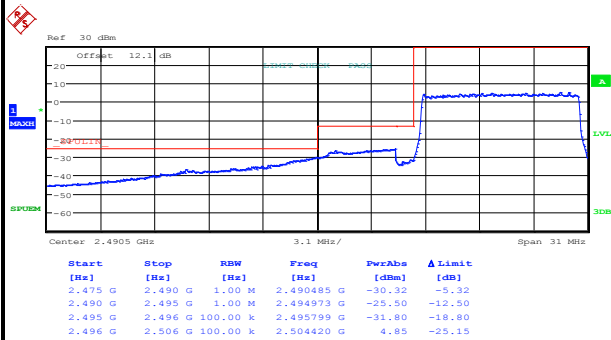
Date: 1.OCT.2014 15:54:06

Highest Band Edge / 1 RB



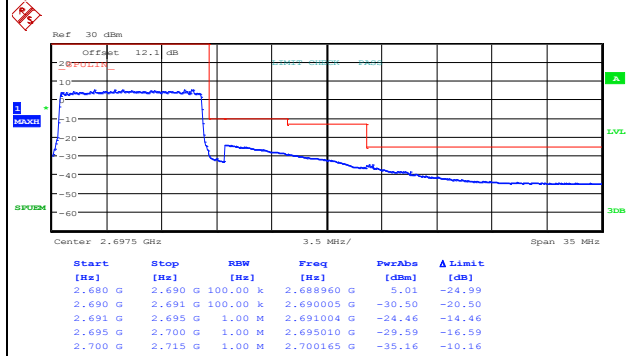
Date: 1.OCT.2014 16:04:53

Lowest Band Edge / Full RB



Date: 1.OCT.2014 15:56:25

Highest Band Edge / Full RB

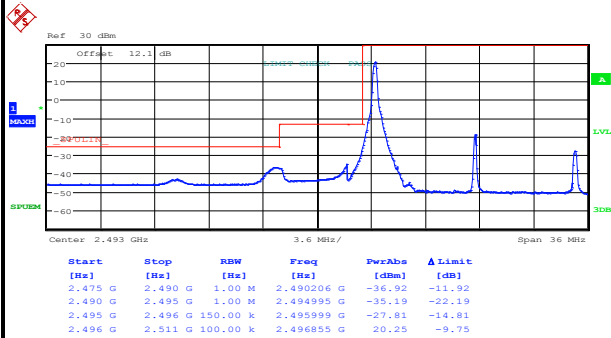


Date: 1.OCT.2014 16:07:12



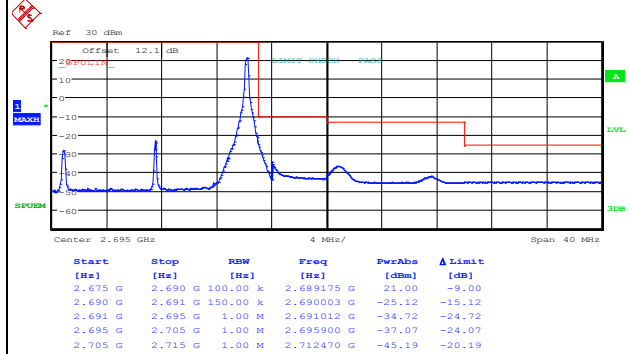
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



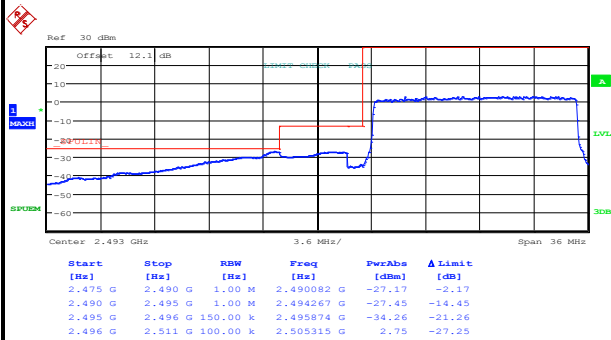
Date: 1.OCT.2014 16:11:31

Highest Band Edge / 1 RB



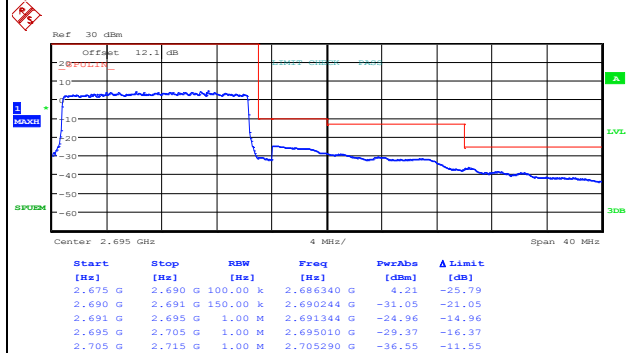
Date: 2.OCT.2014 09:59:22

Lowest Band Edge / Full RB



Date: 1.OCT.2014 16:13:50

Highest Band Edge / Full RB

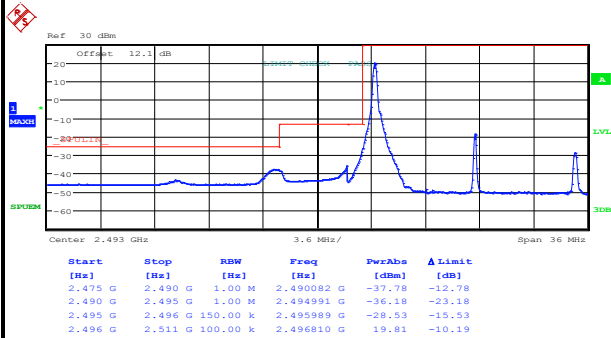


Date: 2.OCT.2014 10:01:43



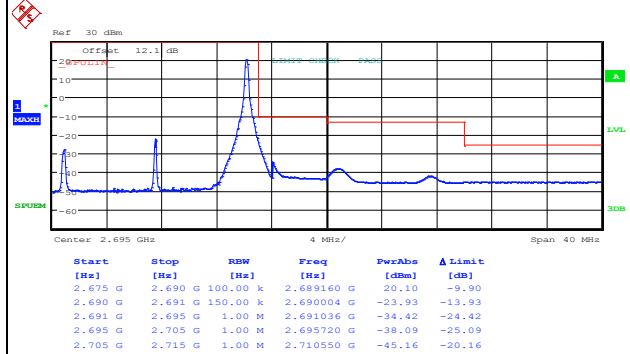
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



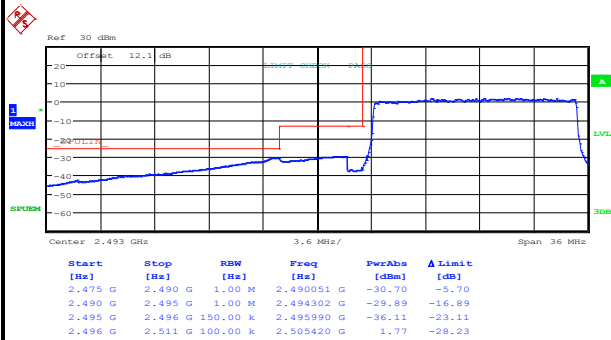
Date: 1.OCT.2014 16:12:41

Highest Band Edge / 1 RB



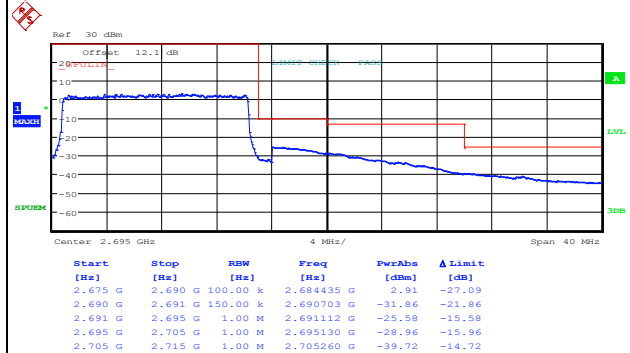
Date: 2.OCT.2014 10:00:32

Lowest Band Edge / Full RB



Date: 1.OCT.2014 16:15:02

Highest Band Edge / Full RB

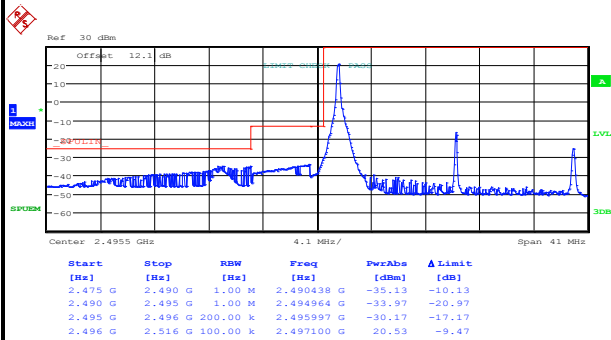


Date: 2.OCT.2014 10:02:53



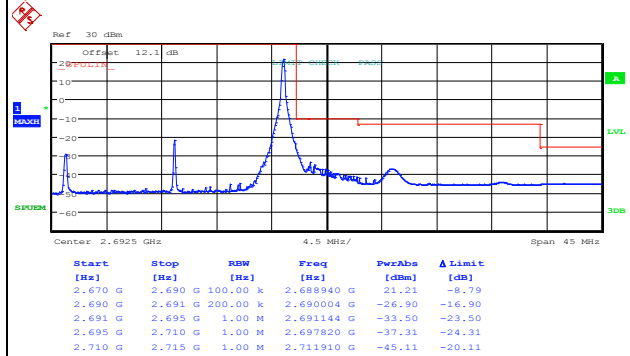
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



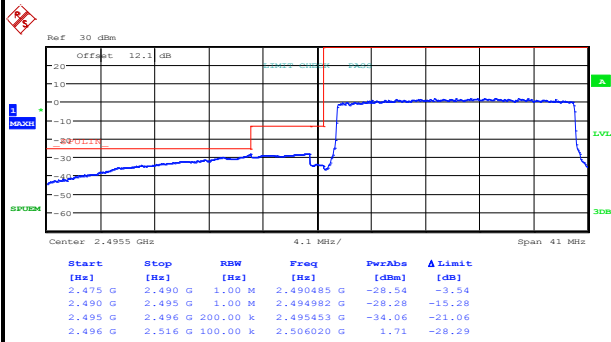
Date: 1.OCT.2014 16:29:07

Highest Band Edge / 1 RB



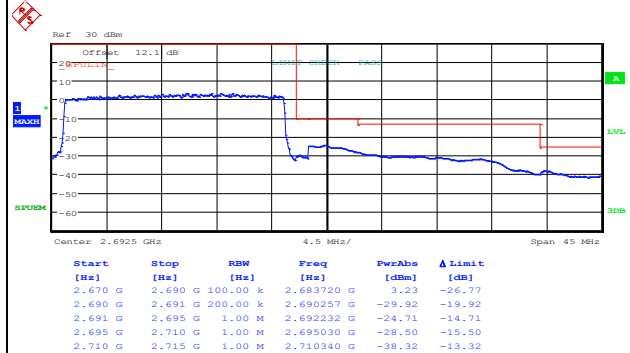
Date: 1.OCT.2014 16:39:55

Lowest Band Edge / Full RB



Date: 1.OCT.2014 16:31:26

Highest Band Edge / Full RB

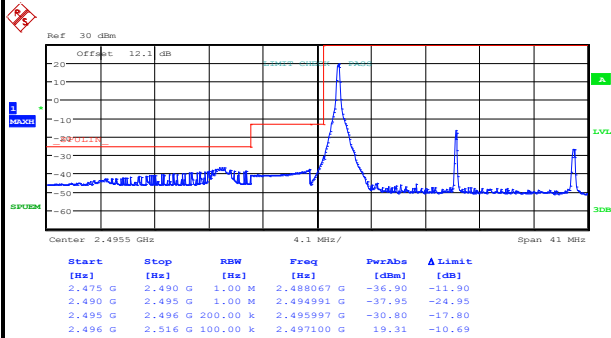


Date: 1.OCT.2014 16:43:23



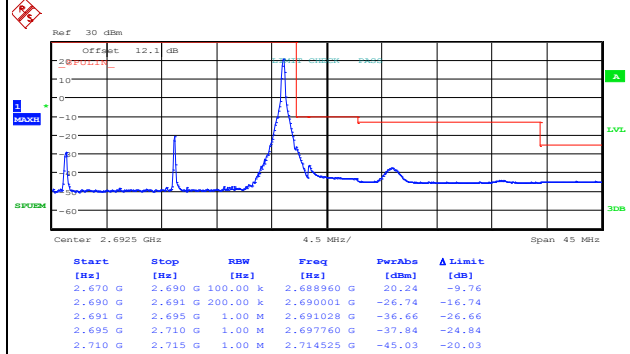
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



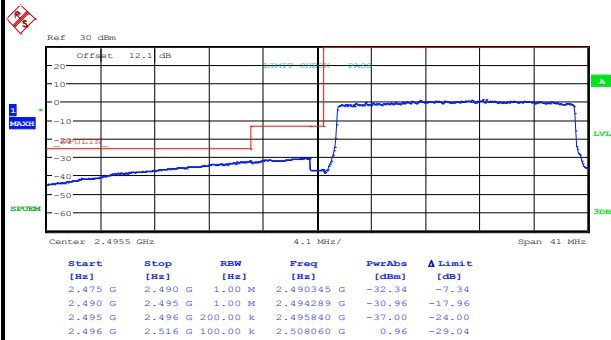
Date: 1.OCT.2014 16:30:17

Highest Band Edge / 1 RB



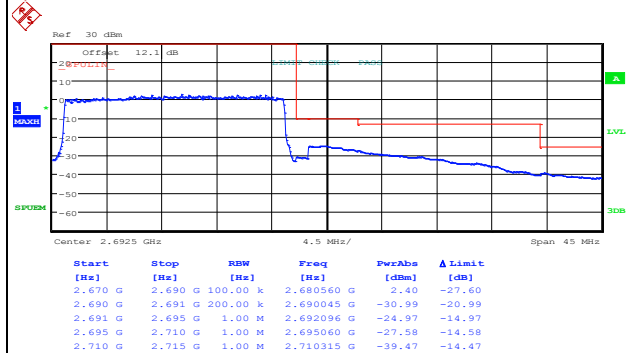
Date: 1.OCT.2014 16:41:04

Lowest Band Edge / Full RB

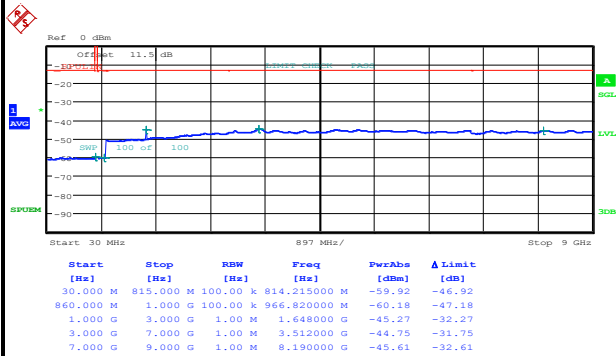


Date: 1.OCT.2014 16:32:36

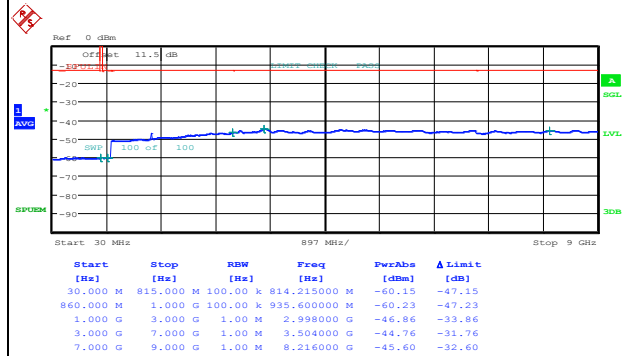
Highest Band Edge / Full RB



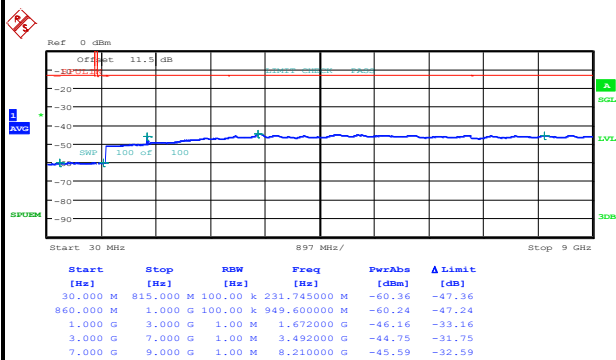
Date: 1.OCT.2014 16:42:13

**Conducted Spurious Emission****LTE Band 5 / 1.4MHz****Lowest Channel / QPSK**

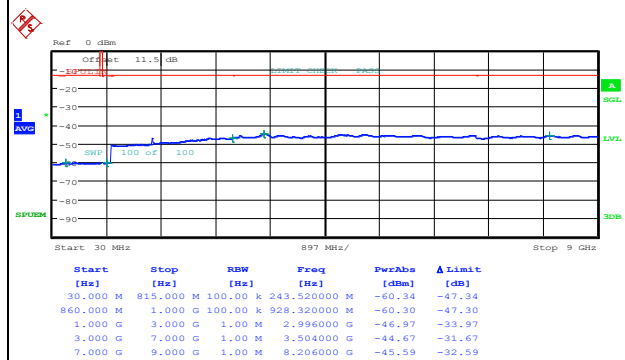
Date: 28.SEP.2014 15:26:35

Lowest Channel / 16QAM

Date: 28.SEP.2014 15:27:25

Middle Channel / QPSK

Date: 28.SEP.2014 15:29:16

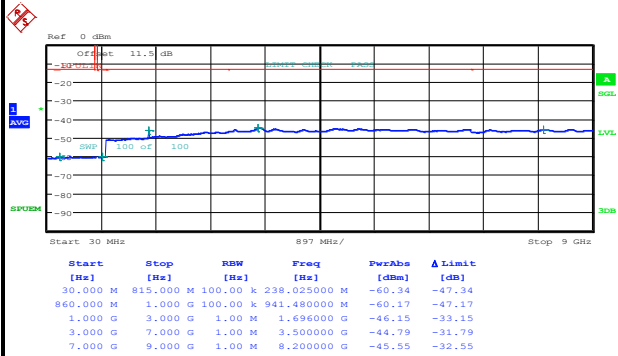
Middle Channel / 16QAM

Date: 28.SEP.2014 15:30:07



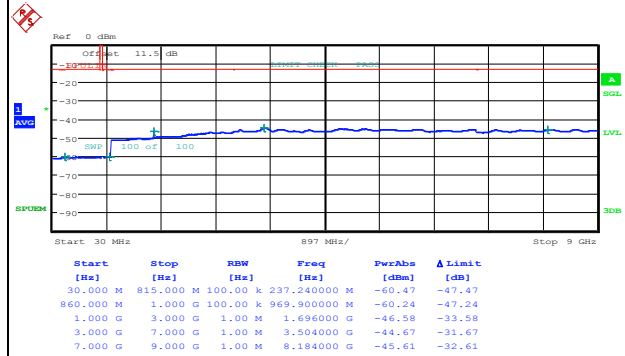
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 28.SEP.2014 15:34:57

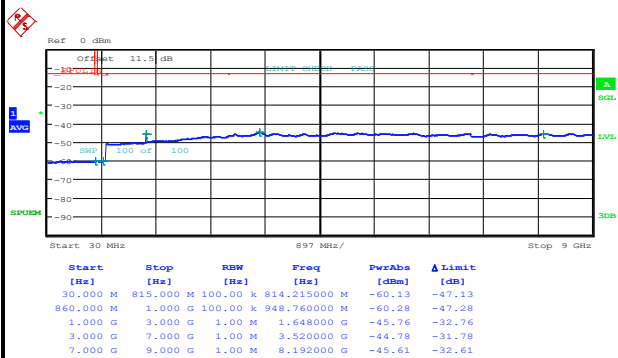
Highest Channel / 16QAM



Date: 28.SEP.2014 15:35:47

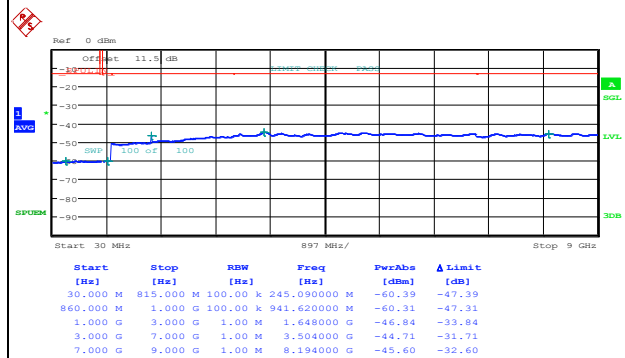
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 28.SEP.2014 16:16:04

Lowest Channel / 16QAM

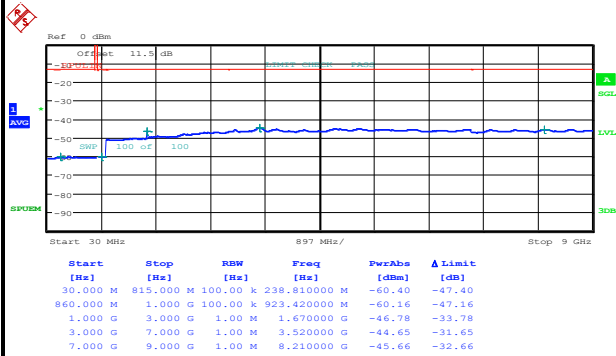


Date: 28.SEP.2014 16:16:54



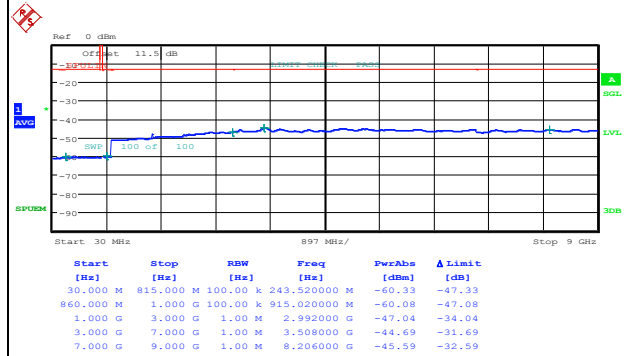
LTE Band 5 / 3MHz

Middle Channel / QPSK



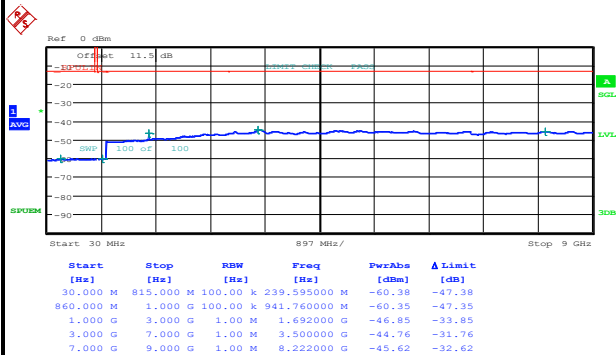
Date: 28.SEP.2014 16:18:44

Middle Channel / 16QAM



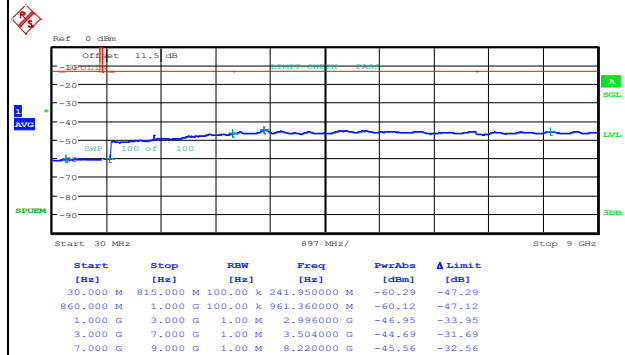
Date: 28.SEP.2014 16:19:34

Highest Channel / QPSK



Date: 28.SEP.2014 16:25:17

Highest Channel / 16QAM

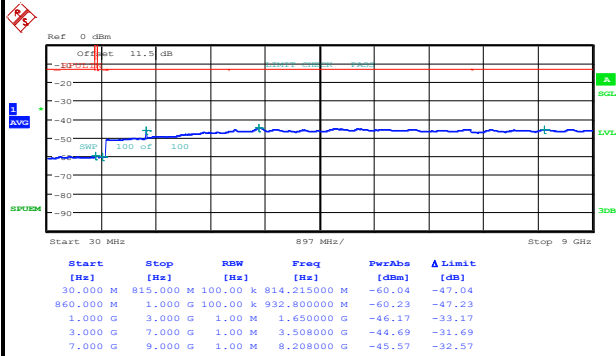


Date: 28.SEP.2014 16:26:07



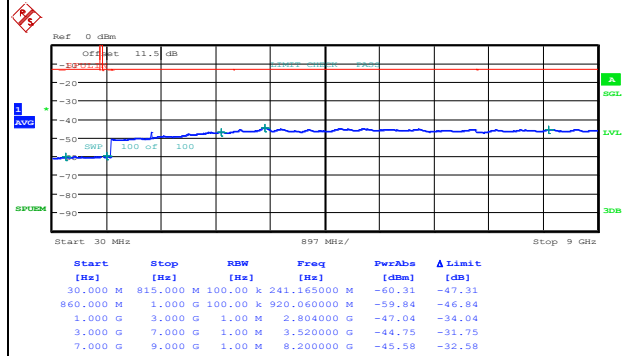
LTE Band 5 / 5MHz

Lowest Channel / QPSK



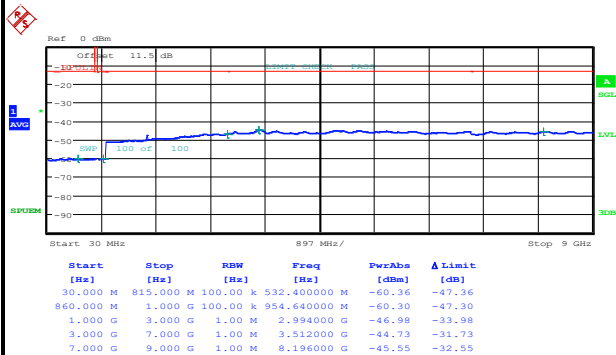
Date: 28.SEP.2014 16:31:00

Lowest Channel / 16QAM



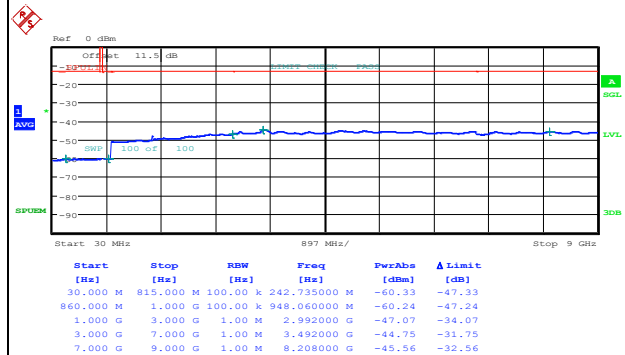
Date: 28.SEP.2014 16:31:50

Middle Channel / QPSK



Date: 28.SEP.2014 16:33:40

Middle Channel / 16QAM

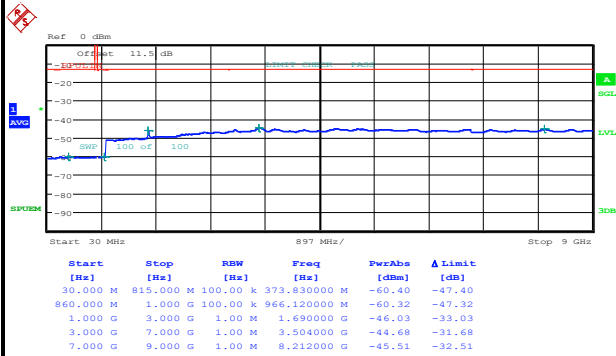


Date: 28.SEP.2014 16:34:30



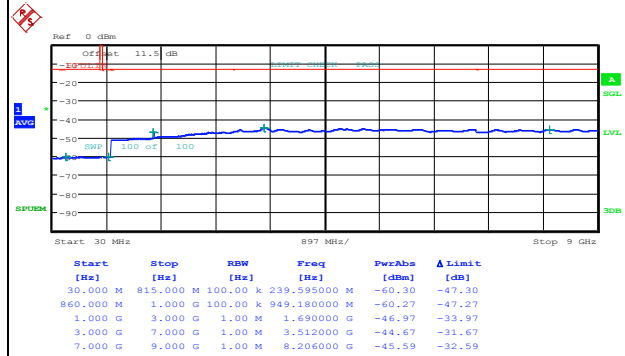
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 28.SEP.2014 16:39:18

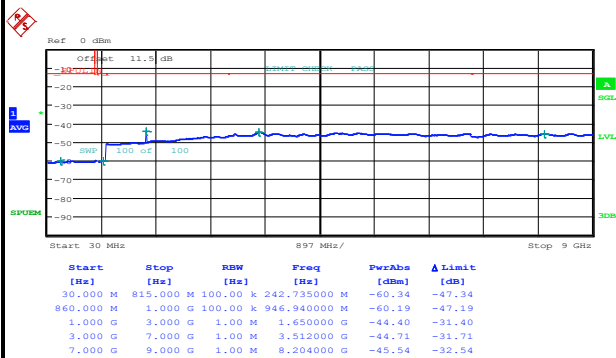
Highest Channel / 16QAM



Date: 28.SEP.2014 16:40:08

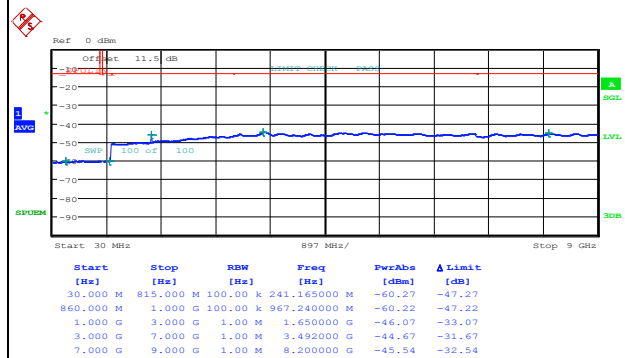
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 28.SEP.2014 16:45:00

Lowest Channel / 16QAM

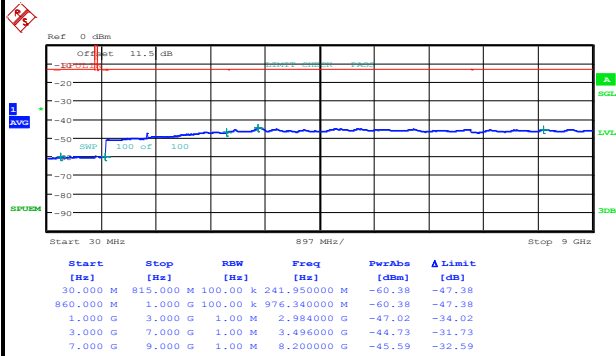


Date: 28.SEP.2014 16:45:50



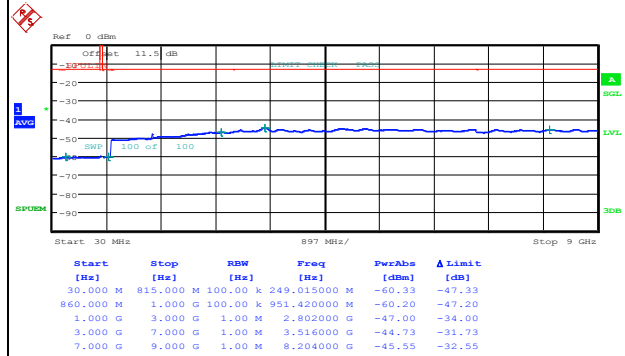
LTE Band 5 / 10MHz

Middle Channel / QPSK



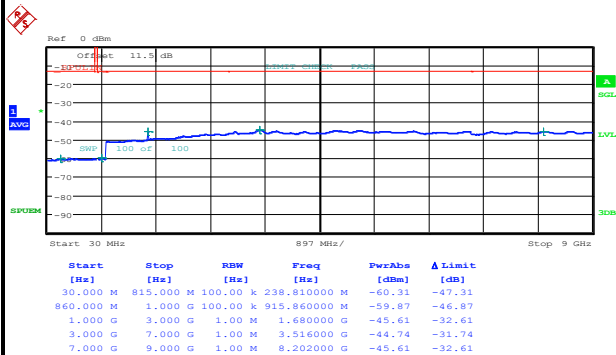
Date: 28.SEP.2014 16:47:40

Middle Channel / 16QAM



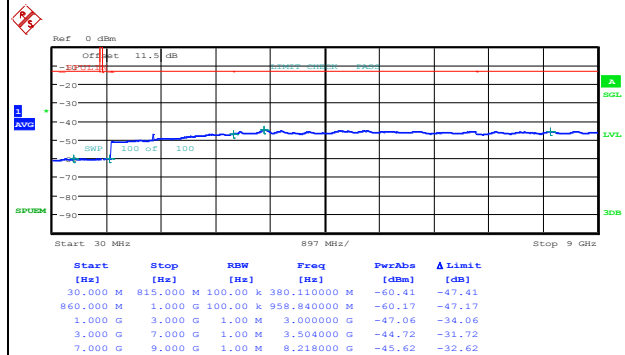
Date: 28.SEP.2014 16:48:30

Highest Channel / QPSK



Date: 28.SEP.2014 16:53:18

Highest Channel / 16QAM

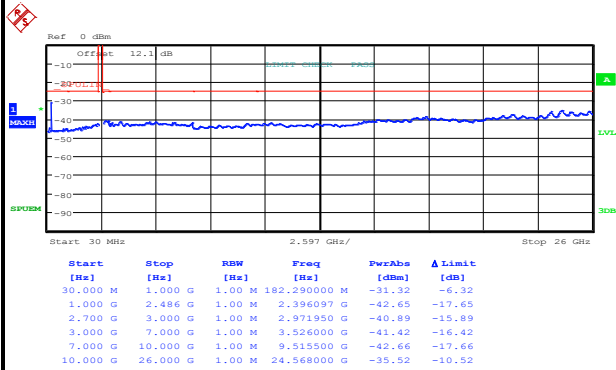


Date: 28.SEP.2014 16:54:08



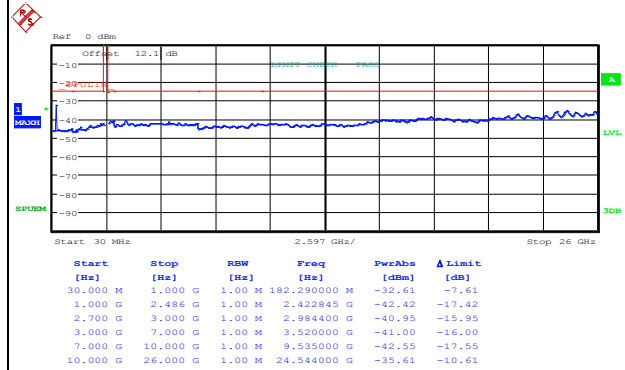
LTE Band 41 / 5MHz

Lowest Channel / QPSK



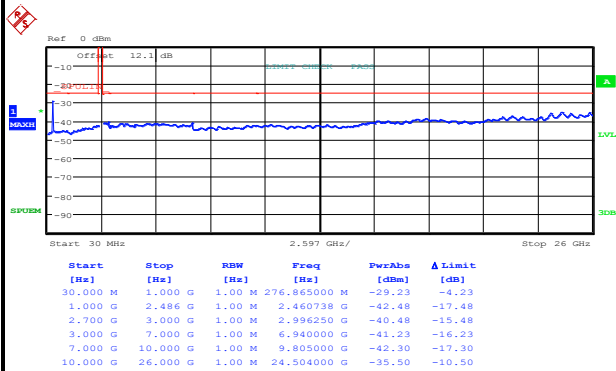
Date: 2.OCT.2014 09:56:12

Lowest Channel / 16QAM



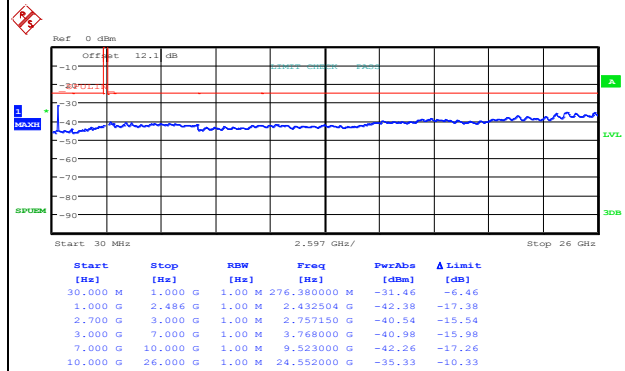
Date: 2.OCT.2014 09:57:22

Middle Channel / QPSK



Date: 1.OCT.2014 15:39:59

Middle Channel / 16QAM

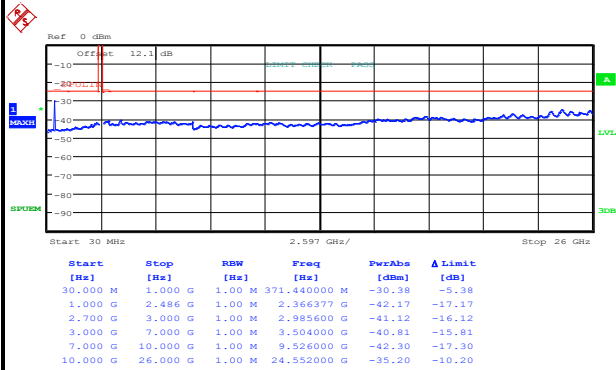


Date: 1.OCT.2014 15:41:09



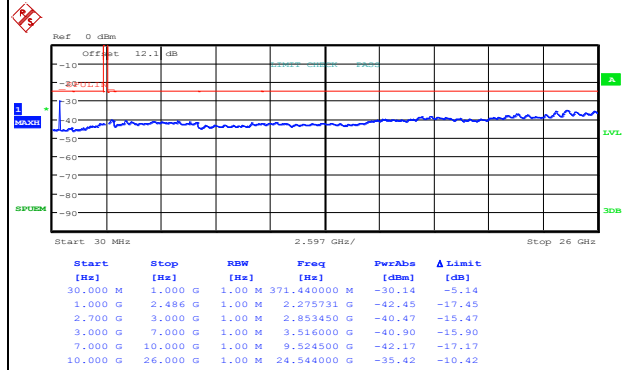
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 1.OCT.2014 15:47:41

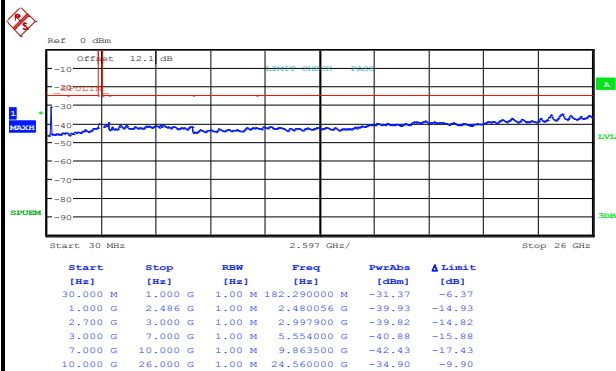
Highest Channel / 16QAM



Date: 1.OCT.2014 15:48:51

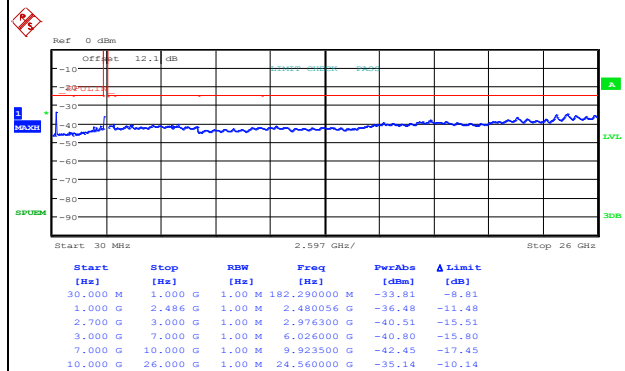
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 1.OCT.2014 15:57:34

Lowest Channel / 16QAM

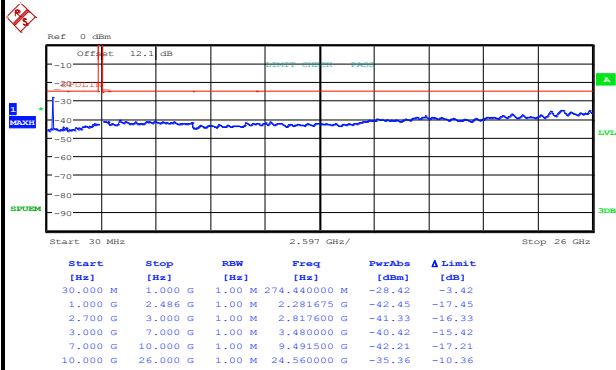


Date: 1.OCT.2014 15:58:44



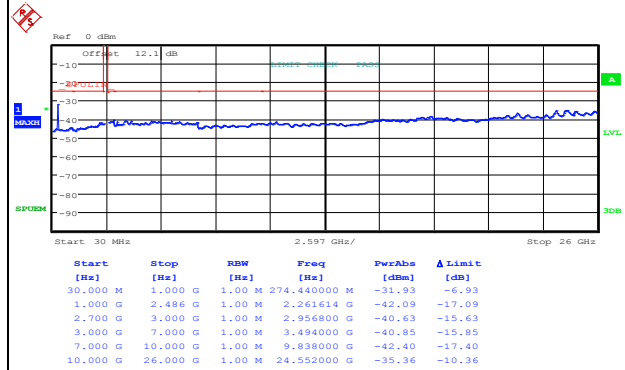
LTE Band 41 / 10MHz

Middle Channel / QPSK



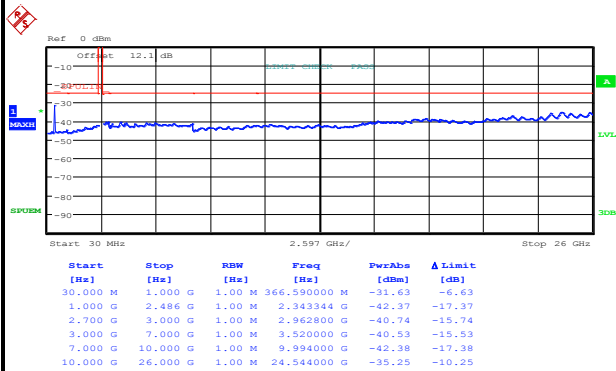
Date: 1.OCT.2014 16:00:39

Middle Channel / 16QAM



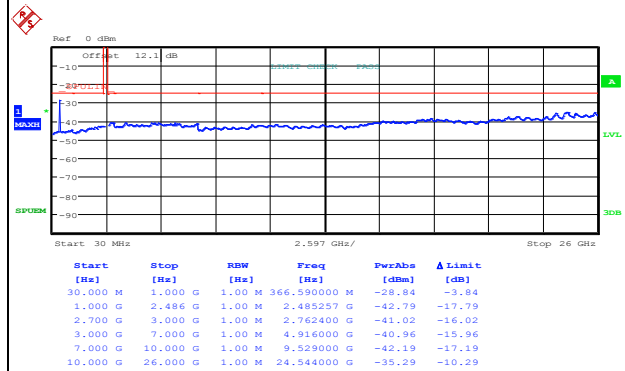
Date: 1.OCT.2014 16:01:49

Highest Channel / QPSK



Date: 1.OCT.2014 16:08:21

Highest Channel / 16QAM

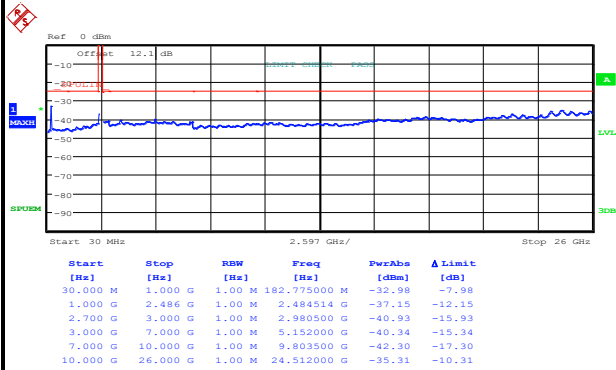


Date: 1.OCT.2014 16:09:33



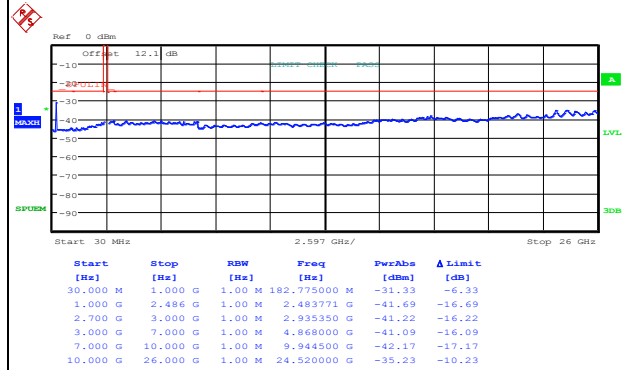
LTE Band 41 / 15MHz

Lowest Channel / QPSK



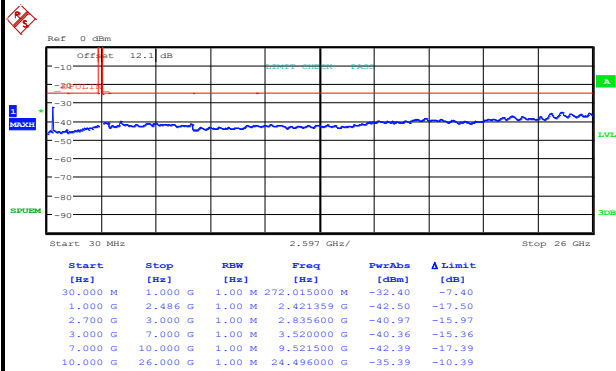
Date: 1.OCT.2014 16:16:14

Lowest Channel / 16QAM



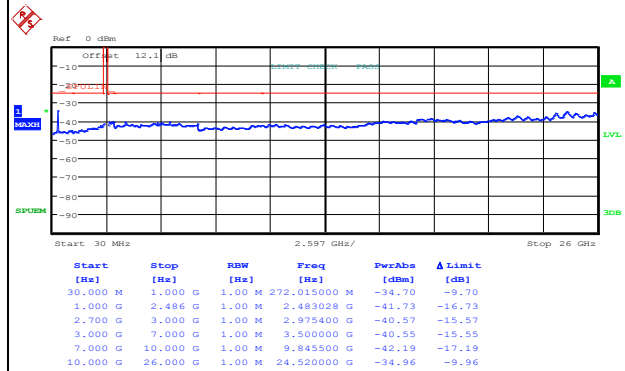
Date: 1.OCT.2014 16:17:24

Middle Channel / QPSK



Date: 1.OCT.2014 16:19:19

Middle Channel / 16QAM

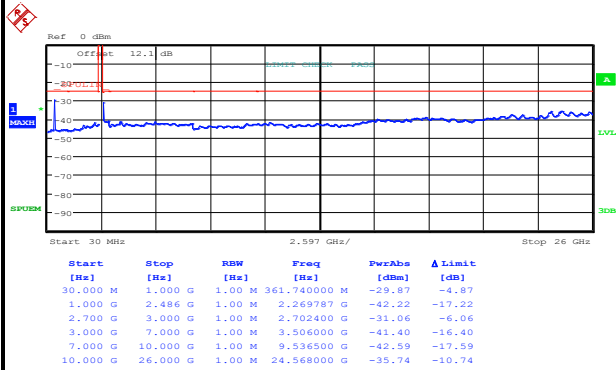


Date: 1.OCT.2014 16:20:29



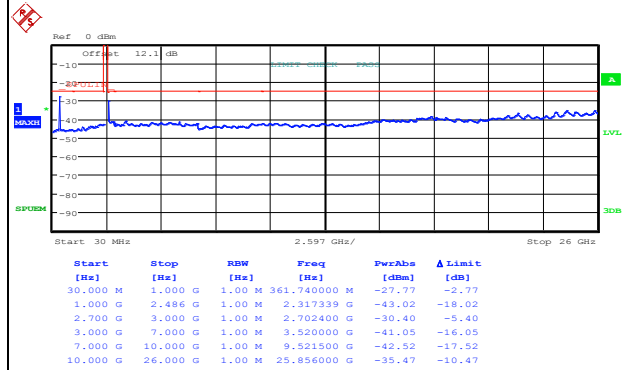
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 2.OCT.2014 10:04:04

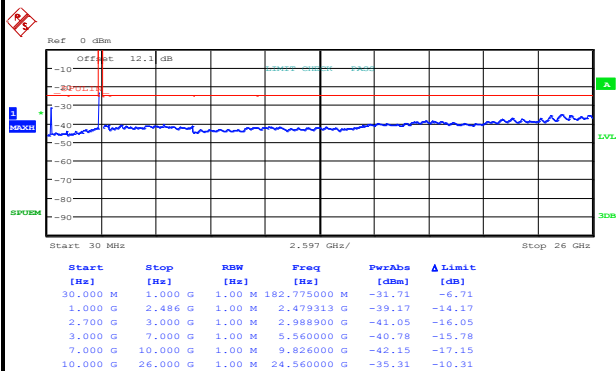
Highest Channel / 16QAM



Date: 2.OCT.2014 10:05:14

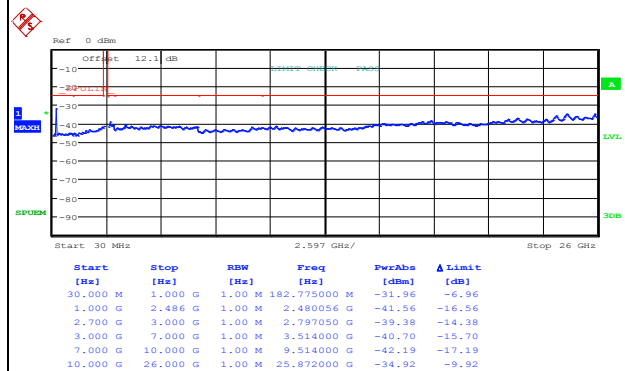
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 1.OCT.2014 16:33:46

Lowest Channel / 16QAM

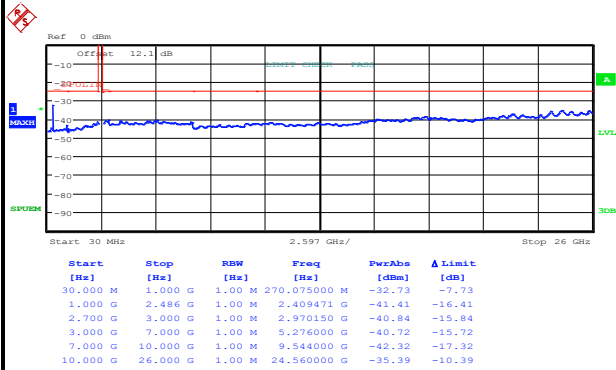


Date: 1.OCT.2014 16:34:56



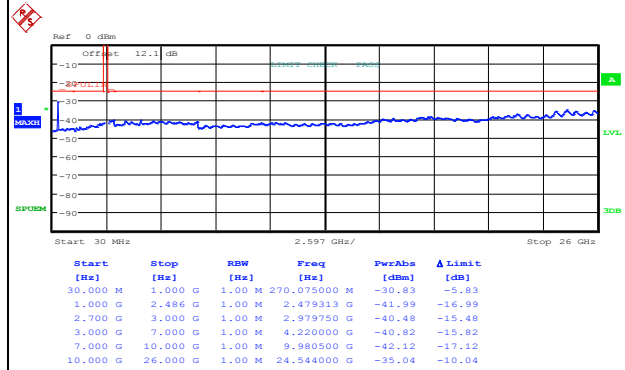
LTE Band 41 / 20MHz

Middle Channel / QPSK



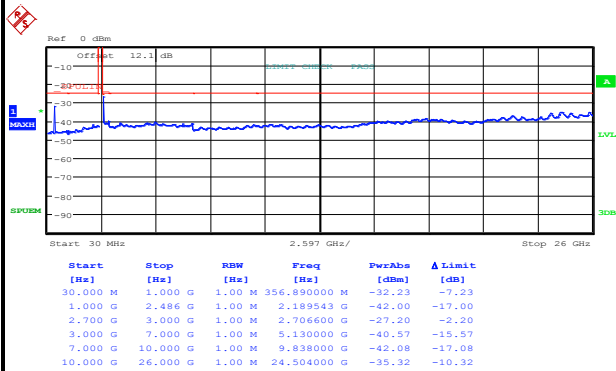
Date: 1.OCT.2014 16:36:50

Middle Channel / 16QAM



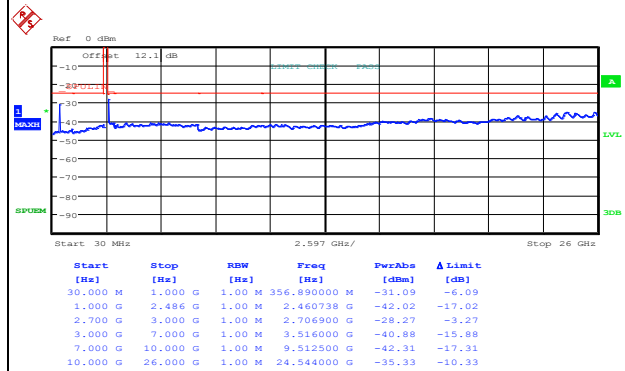
Date: 1.OCT.2014 16:38:00

Highest Channel / QPSK



Date: 1.OCT.2014 16:44:33

Highest Channel / 16QAM



Date: 1.OCT.2014 16:45:42

**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0123	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0118	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0122	
-30	Normal Voltage	0.0116	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0127	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V



Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 5 Radiated Power ERP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-18.74	31.54	10.65	0.0116
836.5	-19.35	32.04	10.54	0.0113
848.3	-19.48	32.59	10.96	0.0125
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-10.63	32.93	20.15	0.1035
836.5	-11.15	32.82	19.52	0.0895
848.3	-11.75	33.62	19.72	0.0938

LTE Band 5 Radiated Power ERP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-27.23	37.45	8.07	0.0064
836.5	-27.51	37.65	7.99	0.0063
848.3	-27.57	37.95	8.23	0.0067
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-19.12	38.84	17.57	0.0571
836.5	-19.37	38.43	16.91	0.0491
848.3	-19.90	38.98	16.93	0.0493

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 5 Radiated Power ERP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-24.63	37.45	10.67	0.0117
836.5	-24.83	37.65	10.67	0.0117
847.5	-24.59	37.95	11.21	0.0132
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-16.54	38.84	20.15	0.1035
836.5	-16.71	38.43	19.57	0.0906
847.5	-16.98	38.98	19.85	0.0966

LTE Band 5 Radiated Power ERP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-27.15	37.3	8.00	0.0063
836.5	-27.46	37.65	8.04	0.0064
847.5	-27.37	38.02	8.50	0.0071
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-19.08	38.64	17.41	0.0551
836.5	-19.33	38.43	16.95	0.0495
847.5	-19.52	38.79	17.12	0.0515

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 5 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-24.47	37.29	10.67	0.0117
836.5	-24.57	37.65	10.93	0.0124
846.5	-24.77	38.03	11.11	0.0129
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-16.28	38.63	20.20	0.1047
836.5	-16.56	38.43	19.72	0.0938
846.5	-16.95	38.8	19.70	0.0933

LTE Band 5 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-26.86	37.29	8.28	0.0067
836.5	-27.18	37.65	8.32	0.0068
846.5	-27.39	38.03	8.49	0.0071
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-18.93	38.63	17.55	0.0569
836.5	-19.01	38.43	17.27	0.0533
846.5	-19.41	38.8	17.24	0.0530

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 5 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-24.50	37.29	10.64	0.0116
836.5	-25.24	37.65	10.26	0.0106
844	-26.05	38.03	9.83	0.0096
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-16.32	38.63	20.16	0.1038
836.5	-16.96	38.43	19.32	0.0855
844	-18.00	38.8	18.65	0.0733

LTE Band 5 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-26.88	37.29	8.26	0.0067
836.5	-27.56	37.65	7.94	0.0062
844	-28.18	38.03	7.70	0.0059
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-19.02	38.63	17.46	0.0557
836.5	-19.44	38.43	16.84	0.0483
844	-20.21	38.8	16.44	0.0441

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 41 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-26.09	46.5	20.41	0.1099
2593.00	-26.32	47.38	21.06	0.1276
2687.50	-26.40	47.23	20.83	0.1211
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-23.41	49.12	25.71	0.3724
2593.00	-24.57	48.52	23.95	0.2483
2687.50	-26.04	48.63	22.59	0.1816

LTE Band 41 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-28.76	46.72	17.96	0.0625
2593.00	-28.97	47.75	18.78	0.0755
2687.50	-29.36	47.72	18.36	0.0685
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-25.98	49.34	23.36	0.2168
2593.00	-27.34	48.89	21.55	0.1429
2687.50	-28.96	49.12	20.16	0.1038

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 41 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-26.38	46.74	20.36	0.1086
2593.00	-26.69	47.76	21.07	0.1279
2685.00	-26.93	47.67	20.74	0.1186
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-23.60	49.35	25.75	0.3758
2593.00	-24.91	48.9	23.99	0.2506
2685.00	-26.57	49.07	22.50	0.1778

LTE Band 41 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-28.63	46.74	18.11	0.0647
2593.00	-29.04	47.76	18.72	0.0745
2685.00	-29.35	47.67	18.32	0.0679
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-25.95	49.35	23.40	0.2188
2593.00	-27.26	48.9	21.64	0.1459
2685.00	-28.98	49.07	20.09	0.1021

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 41 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-26.24	46.75	20.51	0.1125
2593.00	-26.69	47.77	21.08	0.1282
2682.50	-26.54	47.61	21.07	0.1279
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-23.50	49.35	25.85	0.3846
2593.00	-24.87	48.9	24.03	0.2529
2682.50	-26.31	49.05	22.74	0.1879

LTE Band 41 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-28.78	46.75	17.97	0.0627
2593.00	-29.11	47.77	18.66	0.0735
2682.50	-28.96	47.61	18.65	0.0733
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-26.02	49.35	23.33	0.2153
2593.00	-27.32	48.9	21.58	0.1439
2682.50	-28.75	49.05	20.30	0.1072

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

LTE Band 41 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-26.87	47.38	20.51	0.1125
2593.00	-26.56	47.76	21.20	0.1318
2680.00	-26.36	47.45	21.09	0.1285
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-23.86	49.72	25.86	0.3855
2593.00	-24.70	48.9	24.20	0.2630
2680.00	-26.52	49.24	22.72	0.1871

LTE Band 41 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-29.32	47.38	18.06	0.0640
2593.00	-29.02	47.76	18.74	0.0748
2680.00	-28.73	47.45	18.72	0.0745
Vertical Polarization				
Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-26.31	49.72	23.41	0.2193
2593.00	-27.10	48.9	21.80	0.1514
2680.00	-28.92	49.24	20.32	0.1076

* ERP = LVL (dBm) + Correction Factor (dB) - 2.15



Radiated Spurious Emission



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-51.87	-13	-38.87	-59.96	-53.63	0.98	4.89	H
	2472	-48.60	-13	-35.60	-61.22	-50.48	1.28	5.32	H
	3296	-51.77	-13	-38.77	-65.63	-55.18	1.54	7.10	H
	1648	-51.40	-13	-38.40	-62.3	-53.16	0.98	4.89	V
	2472	-47.30	-13	-34.30	-60.47	-49.18	1.28	5.32	V
	3296	-49.86	-13	-36.86	-65.18	-53.27	1.54	7.10	V
Middle	1672	-51.96	-13	-38.96	-60.7	-53.64	0.99	4.82	H
	2504	-48.22	-13	-35.22	-61.44	-50.18	1.29	5.40	H
	3344	-52.08	-13	-39.08	-66.01	-55.69	1.56	7.31	H
	1672	-52.80	-13	-39.80	-63.62	-54.48	0.99	4.82	V
	2504	-47.85	-13	-34.85	-60.87	-49.81	1.29	5.40	V
	3344	-50.06	-13	-37.06	-65.36	-53.67	1.56	7.31	V
Highest	1696	-51.09	-13	-38.09	-59.74	-52.69	1.00	4.75	H
	2544	-41.99	-13	-28.99	-55.1	-43.97	1.30	5.44	H
	3392	-52.01	-13	-39.01	-65.9	-55.81	1.57	7.52	H
	1696	-52.05	-13	-39.05	-62.9	-53.65	1.00	4.75	V
	2544	-44.20	-13	-31.20	-57.86	-46.18	1.30	5.44	V
	3391	-50.48	-13	-37.48	-65.96	-54.28	1.57	7.52	V

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-51.72	-13	-38.72	-60.23	-53.48	0.98	4.89	H
	2472	-49.71	-13	-36.71	-62.58	-51.59	1.28	5.32	H
	3296	-52.02	-13	-39.02	-65.78	-55.43	1.54	7.10	H
	1648	-50.29	-13	-37.29	-60.85	-52.05	0.98	4.89	V
	2472	-48.46	-13	-35.46	-62	-50.34	1.28	5.32	V
	3296	-50.95	-13	-37.95	-65.7	-54.36	1.54	7.10	V
Middle	1672	-50.16	-13	-37.16	-58.45	-51.84	0.99	4.82	H
	2504	-49.71	-13	-36.71	-62.97	-51.67	1.29	5.40	H
	3344	-52.87	-13	-39.87	-66.24	-56.48	1.56	7.31	H
	1672	-51.96	-13	-38.96	-62.7	-53.64	0.99	4.82	V
	2504	-50.12	-13	-37.12	-63.23	-52.08	1.29	5.40	V
	3344	-50.95	-13	-37.95	-65.68	-54.56	1.56	7.31	V
Highest	1692	-50.46	-13	-37.46	-58.96	-52.08	1.00	4.76	H
	2536	-40.99	-13	-27.99	-53.98	-42.97	1.30	5.43	H
	3384	-52.51	-13	-39.51	-66.17	-56.28	1.57	7.49	H
	1692	-52.05	-13	-39.05	-63.13	-53.67	1.00	4.76	V
	2536	-44.71	-13	-31.71	-58.38	-46.69	1.30	5.43	V
	3384	-50.54	-13	-37.54	-65.88	-54.31	1.57	7.49	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-51.40	-13	-38.40	-60.07	-53.16	0.98	4.89	H
	2472	-50.09	-13	-37.09	-62.81	-51.97	1.28	5.32	H
	3296	-51.17	-13	-38.17	-64.98	-54.58	1.54	7.10	H
	1648	-50.15	-13	-37.15	-60.96	-51.91	0.98	4.89	V
	2472	-50.46	-13	-37.46	-63.98	-52.34	1.28	5.32	V
	3296	-49.87	-13	-36.87	-64.91	-53.28	1.54	7.10	V
Middle	1672	-50.87	-13	-37.87	-59.62	-52.55	0.99	4.82	H
	2504	-49.38	-13	-36.38	-62.13	-51.34	1.29	5.40	H
	3336	-51.50	-13	-38.50	-64.71	-55.08	1.55	7.28	H
	1672	-51.66	-13	-38.66	-62.43	-53.34	0.99	4.82	V
	2504	-50.58	-13	-37.58	-63.99	-52.54	1.29	5.40	V
	3336	-50.20	-13	-37.20	-65.02	-53.78	1.55	7.28	V
Highest	1688	-48.65	-13	-35.65	-57.5	-50.28	1.00	4.77	H
	2536	-45.37	-13	-32.37	-58.51	-47.35	1.30	5.43	H
	3376	-51.23	-13	-38.23	-65.11	-54.97	1.57	7.45	H
	1688	-50.73	-13	-37.73	-61.61	-52.36	1.00	4.77	V
	2536	-47.83	-13	-34.83	-61.41	-49.81	1.30	5.43	V
	3376	-49.74	-13	-36.74	-64.78	-53.48	1.57	7.45	V

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-57.20	-13	-44.20	-65.56	-58.95	0.98	4.88	H
	2473.5	-50.47	-13	-37.47	-63.23	-52.36	1.28	5.32	H
	3298	-54.12	-13	-41.12	-67.78	-57.54	1.54	7.11	H
	1648	-50.89	-13	-37.89	-61.36	-52.65	0.98	4.89	V
	2472	-48.28	-13	-35.28	-61.87	-50.16	1.28	5.32	V
	3296	-50.23	-13	-37.23	-65.79	-53.64	1.54	7.10	V
Middle	1664	-49.65	-13	-36.65	-58.32	-51.36	0.98	4.84	H
	2496	-49.53	-13	-36.53	-62.63	-51.48	1.29	5.39	H
	3328	-52.35	-13	-39.35	-65.67	-55.89	1.55	7.24	H
	1664	-50.56	-13	-37.56	-61.53	-52.27	0.98	4.84	V
	2496	-49.69	-13	-36.69	-63.2	-51.64	1.29	5.39	V
	3328	-50.95	-13	-37.95	-65.69	-54.49	1.55	7.24	V
Highest	1680	-49.84	-13	-36.84	-58.61	-51.49	0.99	4.80	H
	2520	-43.39	-13	-30.39	-56.63	-45.36	1.30	5.42	H
	3360	-51.49	-13	-38.49	-65.19	-55.16	1.56	7.38	H
	1680	-50.89	-13	-37.89	-61.68	-52.54	0.99	4.80	V
	2520	-46.70	-13	-33.70	-59.96	-48.67	1.30	5.42	V
	3360	-50.51	-13	-37.51	-65.48	-54.18	1.56	7.38	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-48.93	-25	-23.93	-66.55	-56.28	2.33	9.68	H
	7488	-40.74	-25	-15.74	-67.7	-50.08	2.43	11.78	H
	9984	-37.77	-25	-12.77	-66.48	-47.29	2.69	12.21	H
	4992	-48.86	-25	-23.86	-66.61	-56.21	2.33	9.68	V
	7488	-38.97	-25	-13.97	-65.89	-48.31	2.43	11.78	V
	9984	-39.70	-25	-14.70	-67.03	-49.22	2.69	12.21	V
Middle	5184	-48.95	-25	-23.95	-66.99	-56.21	2.44	9.70	H
	7771	-41.67	-25	-16.67	-67.24	-51.29	2.34	11.96	H
	10362	-38.46	-25	-13.46	-67.34	-48.11	2.69	12.34	H
	5184	-49.03	-25	-24.03	-67.45	-56.29	2.44	9.70	V
	7771	-41.55	-25	-16.55	-66.91	-51.17	2.34	11.96	V
	10362	-39.98	-25	-14.98	-67.39	-49.63	2.69	12.34	V
Highest	5370	-40.14	-25	-15.14	-58.71	-47.29	2.55	9.70	H
	8055	-43.55	-25	-18.55	-67.63	-53.41	2.28	12.14	H
	10740	-35.52	-25	-10.52	-64.78	-45.28	2.69	12.45	H
	5370	-48.26	-25	-23.26	-67.52	-55.41	2.55	9.70	V
	8055	-44.55	-25	-19.55	-68.03	-54.41	2.28	12.14	V
	10740	-39.57	-25	-14.57	-67.46	-49.33	2.69	12.45	V

LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-49.58	-25	-24.58	-66.91	-56.93	2.33	9.68	H
	7488	-37.87	-25	-12.87	-65.18	-47.21	2.43	11.78	H
	9984	-38.65	-25	-13.65	-66.73	-48.17	2.69	12.21	H
	4992	-48.82	-25	-23.82	-66.36	-56.17	2.33	9.68	V
	7488	-38.98	-25	-13.98	-65.57	-48.32	2.43	11.78	V
	9984	-39.75	-25	-14.75	-67.4	-49.27	2.69	12.21	V
Middle	5178	-48.95	-25	-23.95	-67.51	-56.21	2.44	9.70	H
	7764	-41.80	-25	-16.80	-67.35	-51.41	2.34	11.96	H
	10352	-37.38	-25	-12.38	-66.74	-47.03	2.69	12.34	H
	5178	-48.77	-25	-23.77	-67.33	-56.03	2.44	9.70	V
	7764	-41.56	-25	-16.56	-67.08	-51.17	2.34	11.96	V
	10352	-38.52	-25	-13.52	-66.97	-48.17	2.69	12.34	V
Highest	5358	-41.97	-25	-16.97	-61.47	-49.13	2.54	9.70	H
	8040	-44.32	-25	-19.32	-68.18	-54.18	2.28	12.13	H
	10720	-38.52	-25	-13.52	-68.01	-48.27	2.69	12.44	H
	5358	-47.96	-25	-22.96	-67.09	-55.12	2.54	9.70	V
	8040	-43.40	-25	-18.40	-67.16	-53.26	2.28	12.13	V
	10720	-39.49	-25	-14.49	-67.54	-49.24	2.69	12.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-48.86	-25	-23.86	-66.66	-56.21	2.33	9.68	H
	7488	-84.78	-25	-59.78	-67.53	-94.12	2.43	11.78	H
	9984	-38.72	-25	-13.72	-66.7	-48.24	2.69	12.21	H
	4992	-48.86	-25	-23.86	-66.8	-56.21	2.33	9.68	V
	7488	-38.93	-25	-13.93	-66.2	-48.27	2.43	11.78	V
	9984	-38.60	-25	-13.60	-66.5	-48.12	2.69	12.21	V
Middle	5172	-48.95	-25	-23.95	-66.76	-56.21	2.44	9.70	H
	7756	-41.76	-25	-16.76	-67.16	-51.37	2.35	11.95	H
	10342	-38.58	-25	-13.58	-67.68	-48.22	2.69	12.34	H
	5172	-48.95	-25	-23.95	-67.3	-56.21	2.44	9.70	V
	7756	-41.57	-25	-16.57	-67.03	-51.18	2.35	11.95	V
	10342	-39.59	-25	-14.59	-67.42	-49.23	2.69	12.34	V
Highest	5352	-44.67	-25	-19.67	-63.72	-51.83	2.54	9.70	H
	8025	-43.36	-25	-18.36	-67.54	-53.21	2.27	12.12	H
	10700	-37.43	-25	-12.43	-66.87	-47.18	2.69	12.44	H
	5350	-48.06	-25	-23.06	-67.08	-55.22	2.54	9.70	V
	8025	-44.42	-25	-19.42	-67.75	-54.27	2.27	12.12	V
	10700	-39.66	-25	-14.66	-67.66	-49.41	2.69	12.44	V

LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-48.92	-25	-23.92	-66.19	-56.27	2.33	9.68	H
	7488	-39.78	-25	-14.78	-67.52	-49.12	2.43	11.78	H
	9984	-39.79	-25	-14.79	-68.03	-49.31	2.69	12.21	H
	4992	-48.97	-25	-23.97	-66.26	-56.32	2.33	9.68	V
	7488	-39.37	-25	-14.37	-65.87	-48.71	2.43	11.78	V
	9984	-39.81	-25	-14.81	-67.36	-49.33	2.69	12.21	V
Middle	5166	-49.06	-25	-24.06	-67.22	-56.33	2.43	9.70	H
	7749	-40.71	-25	-15.71	-66.34	-50.31	2.35	11.95	H
	10332	-38.63	-25	-13.63	-67.55	-48.27	2.69	12.33	H
	5166	-49.14	-25	-24.14	-67.26	-56.41	2.43	9.70	V
	7749	-41.79	-25	-16.79	-67.02	-51.39	2.35	11.95	V
	10332	-39.60	-25	-14.60	-67.61	-49.24	2.69	12.33	V
Highest	5340	-43.04	-25	-18.04	-61.78	-50.21	2.53	9.70	H
	8010	-43.77	-25	-18.77	-67.73	-53.61	2.27	12.11	H
	10680	-38.52	-25	-13.52	-68.14	-48.27	2.69	12.44	H
	5340	-48.04	-25	-23.04	-66.95	-55.21	2.53	9.70	V
	8010	-44.17	-25	-19.17	-67.75	-54.01	2.27	12.11	V
	10680	-40.52	-25	-15.52	-68.37	-50.27	2.69	12.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.