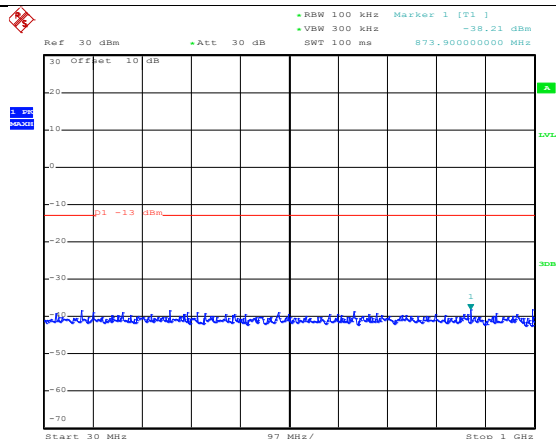


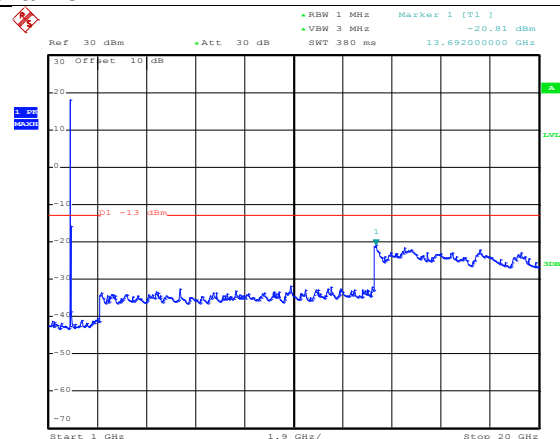
LTE Band 25: 16 QAM & RB Size 100

BW: 20MHz

Lowest channel

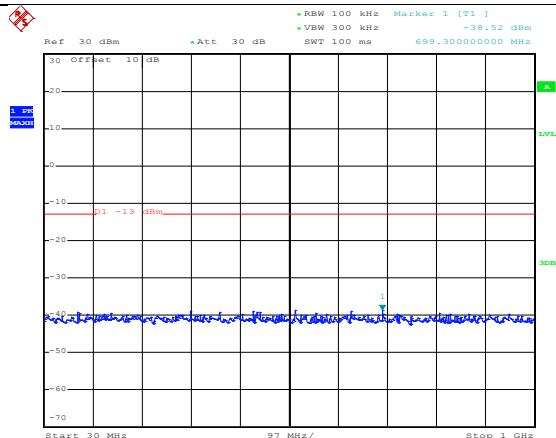


30MHz~1GHz

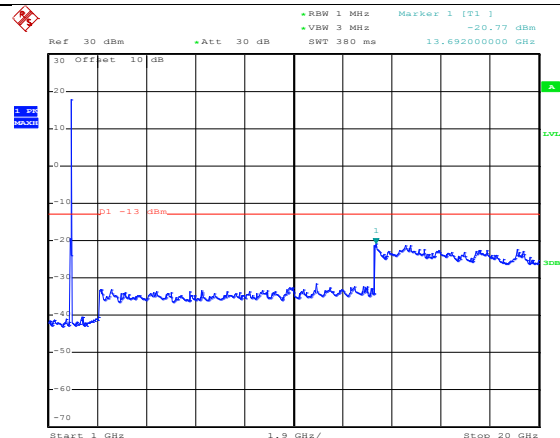


1GHz~20GHz

Middle channel

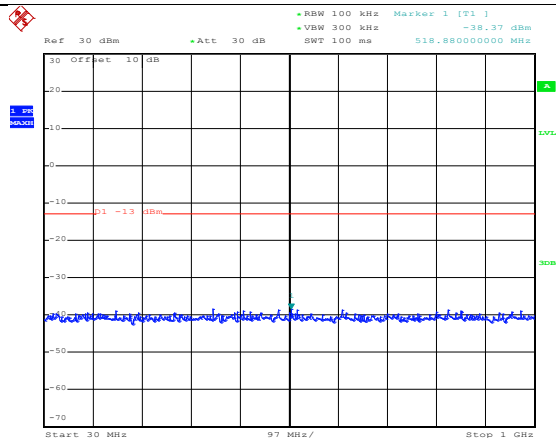


30MHz~1GHz

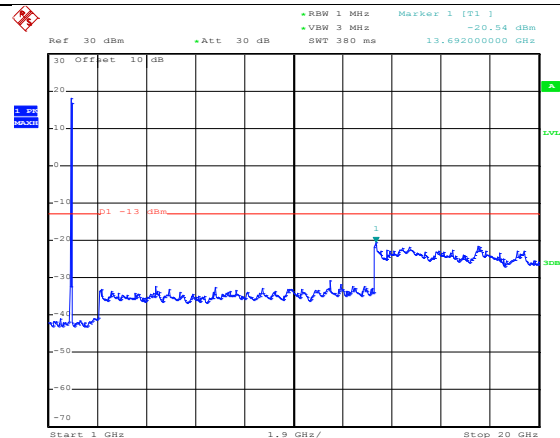


1GHz~20GHz

High channel



30MHz~1GHz

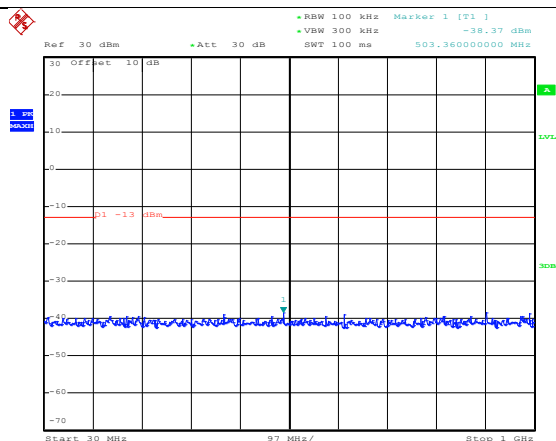


1GHz~20GHz

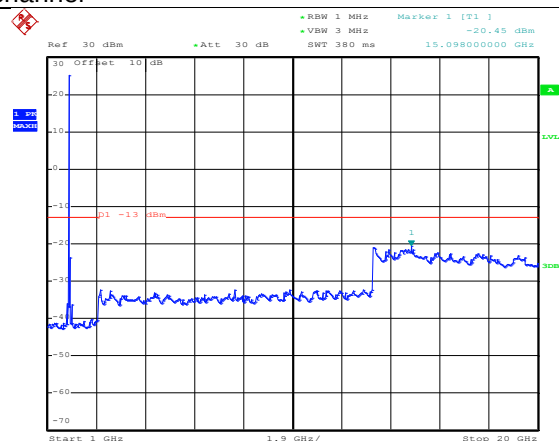
LTE Band 25: QPSK & RB Size 1

BW: 20MHz

Lowest channel

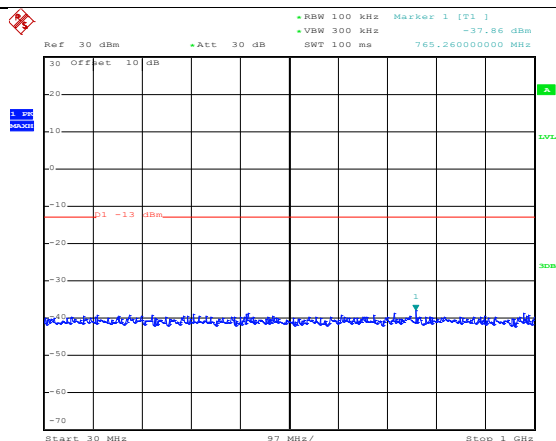


30MHz~1GHz

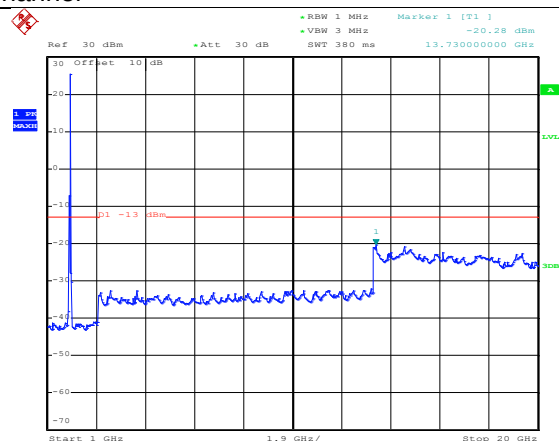


1GHz~20GHz

Middle channel

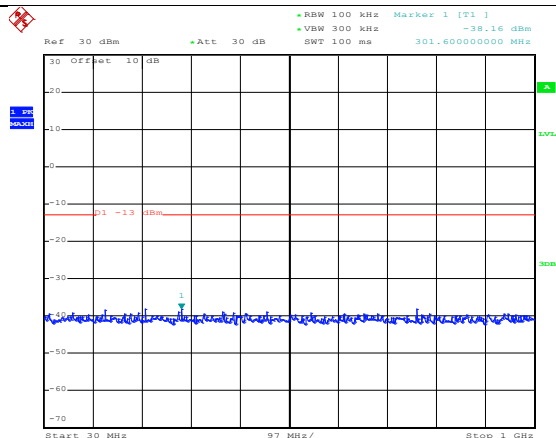


30MHz~1GHz

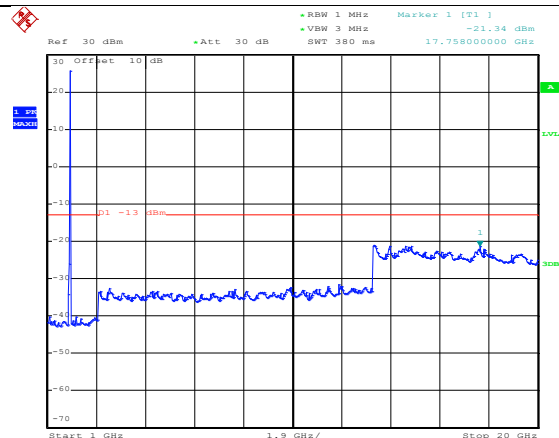


1GHz~20GHz

High channel



30MHz~1GHz

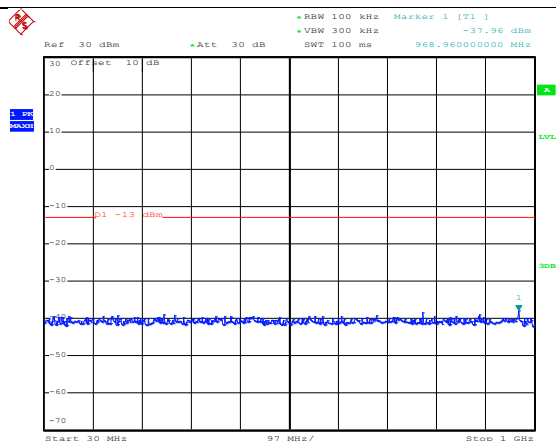


1GHz~20GHz

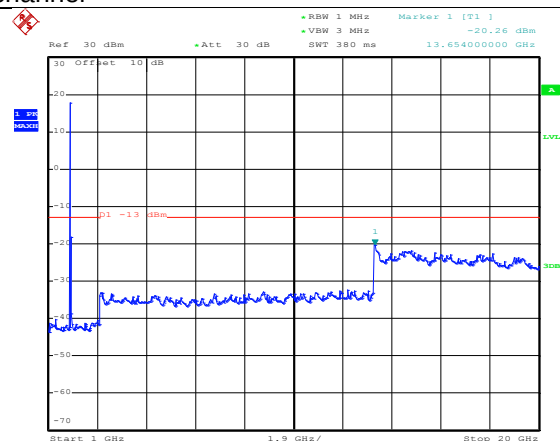
LTE Band 25: QPSK & RB Size 100

BW: 20MHz

Lowest channel

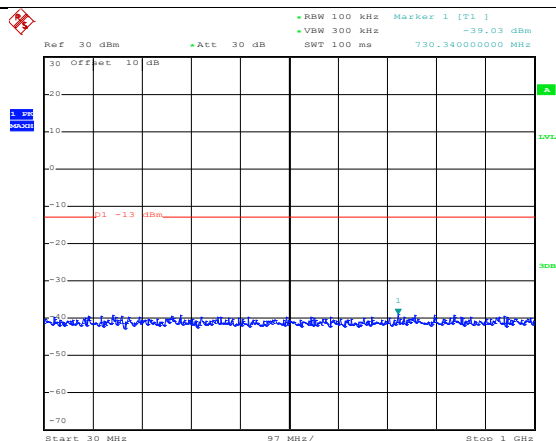


30MHz~1GHz

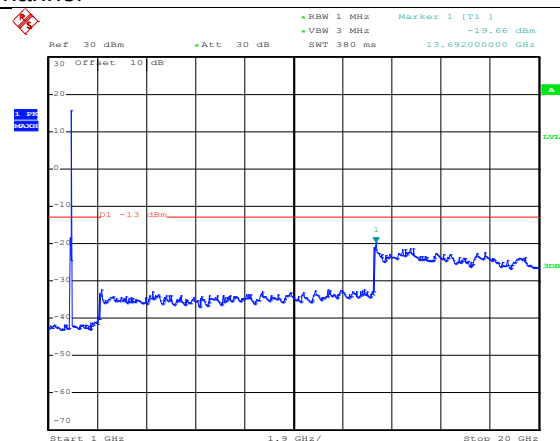


1GHz~20GHz

Middle channel

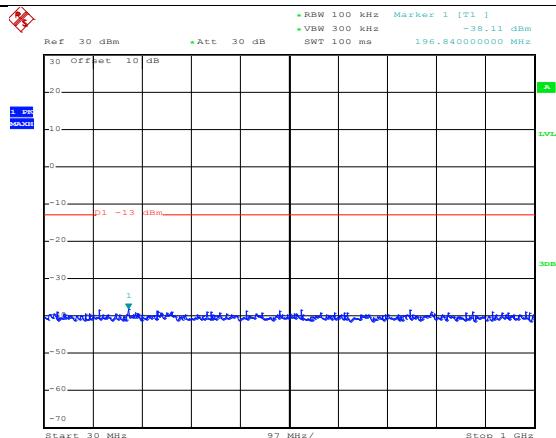


30MHz~1GHz

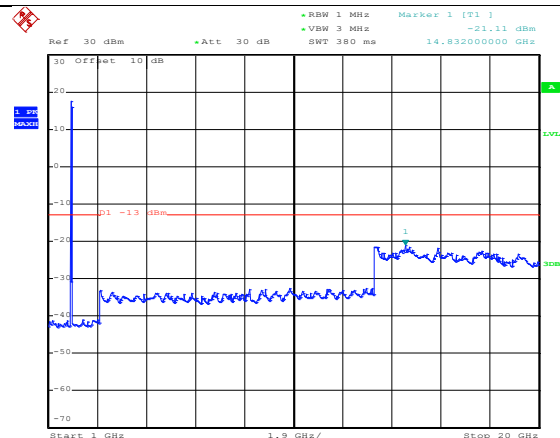


1GHz~20GHz

High channel

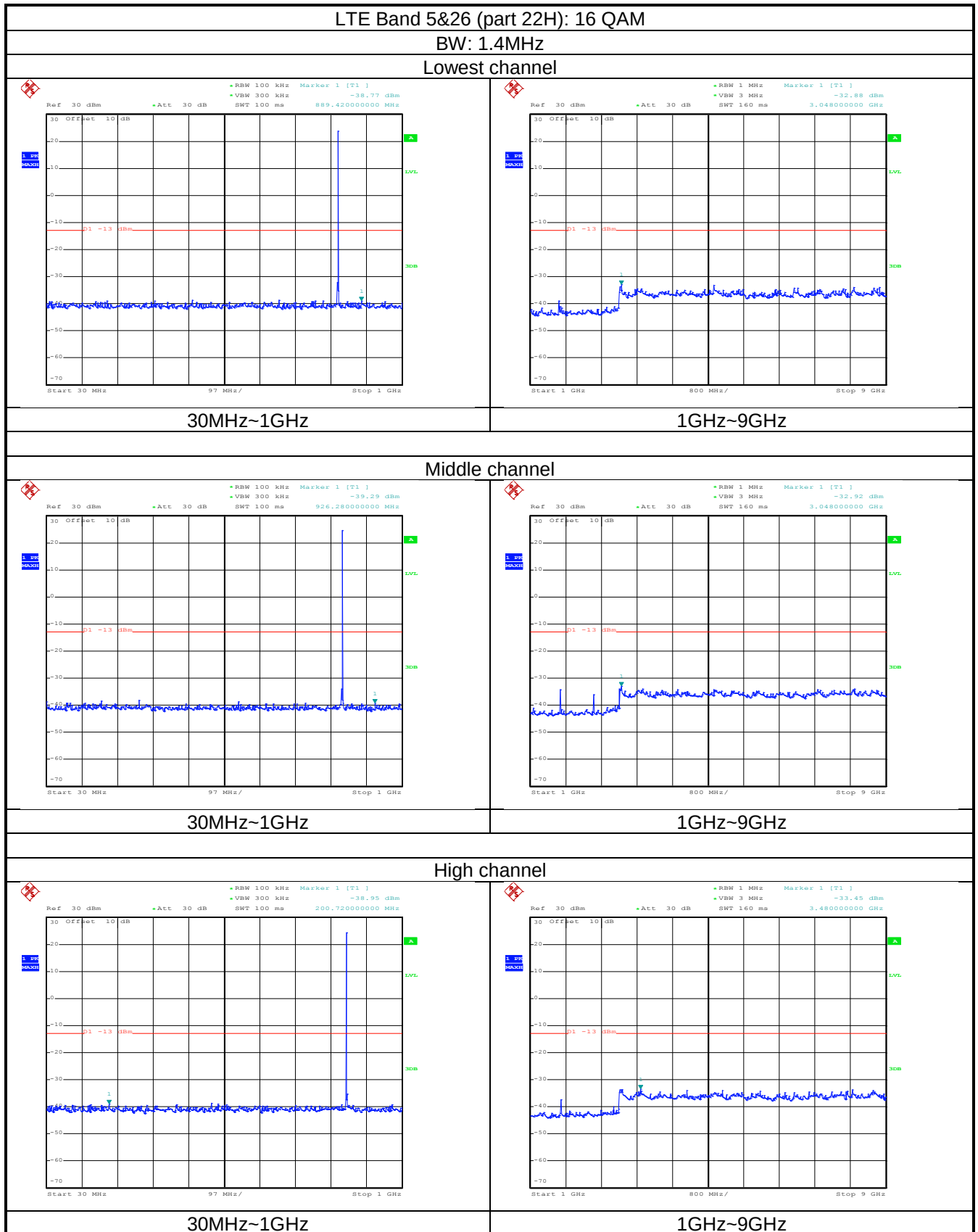


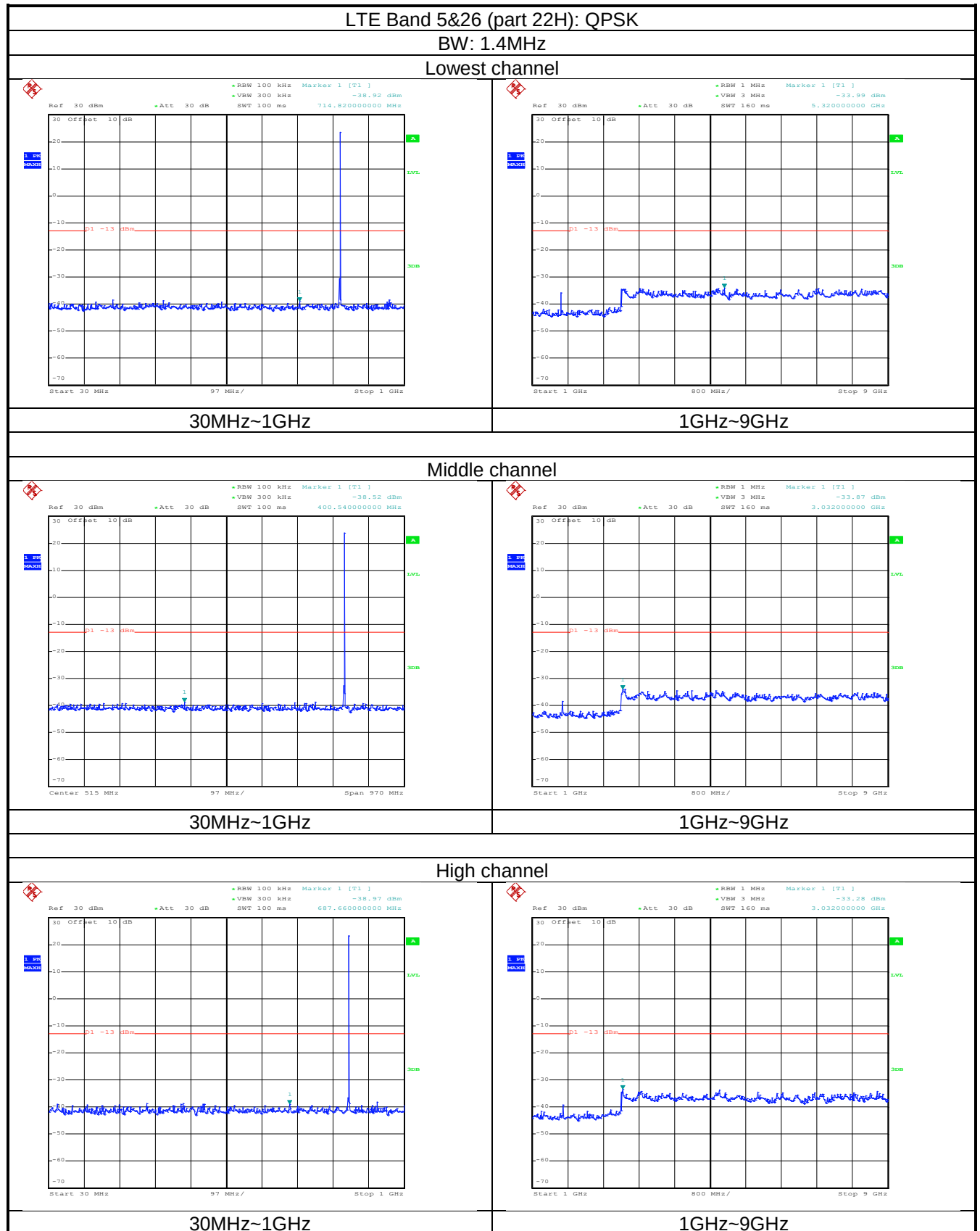
30MHz~1GHz



1GHz~20GHz

LTE Band 5&26 (part 22H):

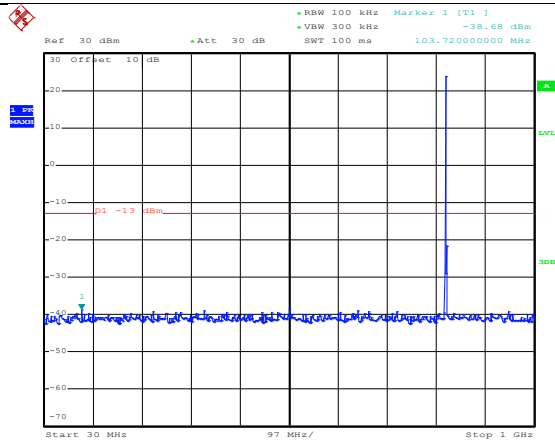




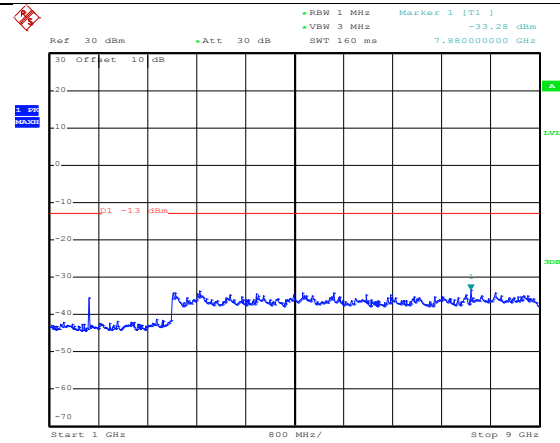
LTE Band 5&26 (part 22H): 16 QAM

BW: 3MHz

Lowest channel

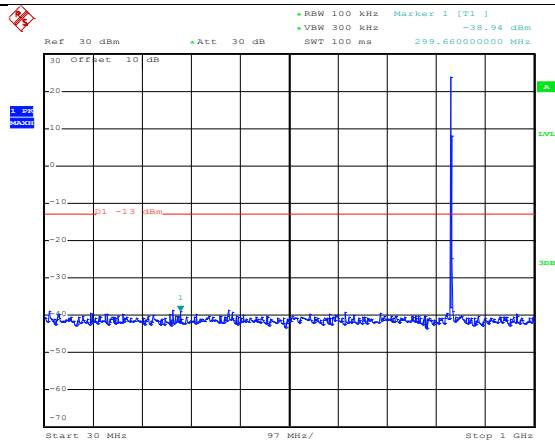


30MHz~1GHz

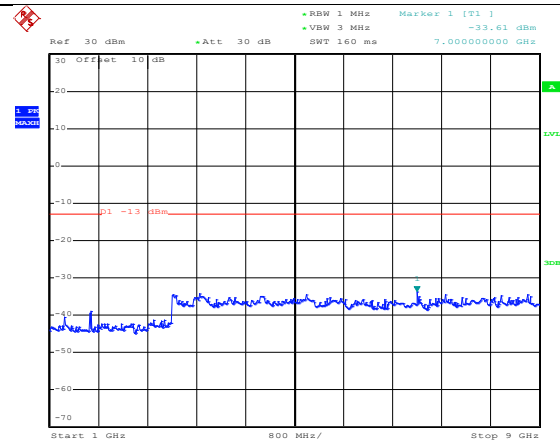


1GHz~9GHz

Middle channel

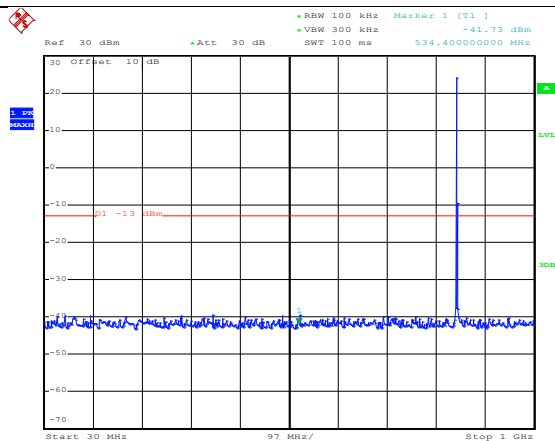


30MHz~1GHz

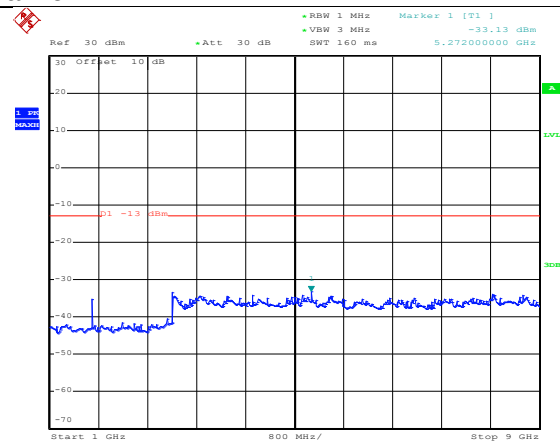


1GHz~9GHz

High channel



30MHz~1GHz

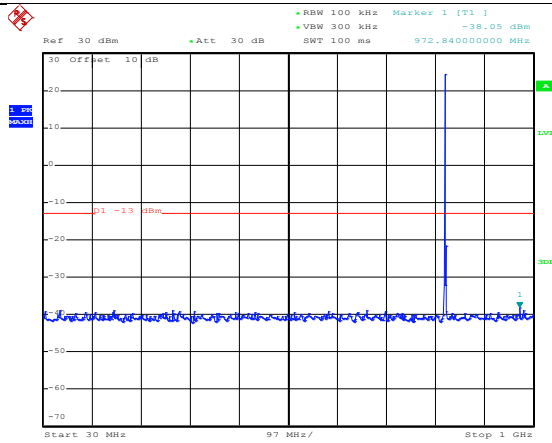


1GHz~9GHz

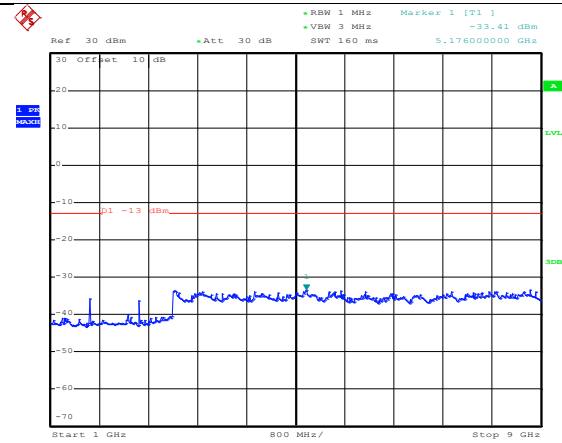
LTE Band 5&26 (part 22H): QPSK

BW: 3MHz

Lowest channel

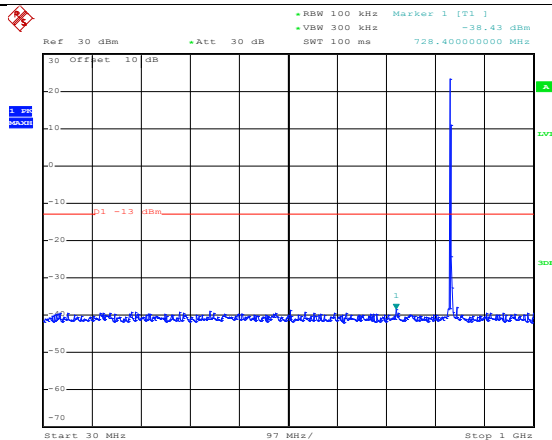


30MHz~1GHz

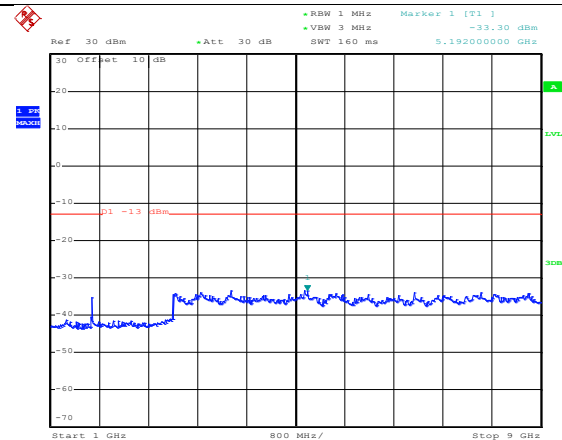


1GHz~9GHz

Middle channel

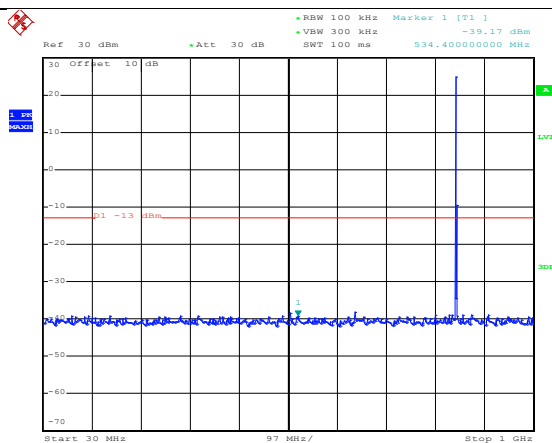


30MHz~1GHz

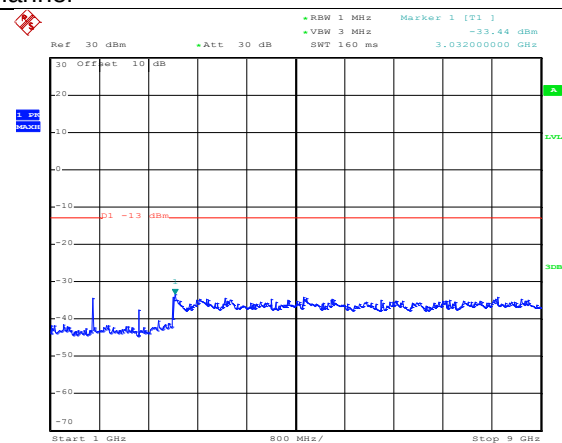


1GHz~9GHz

High channel



30MHz~1GHz

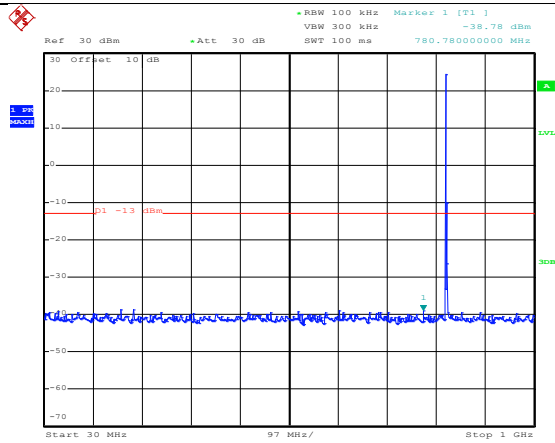


1GHz~9GHz

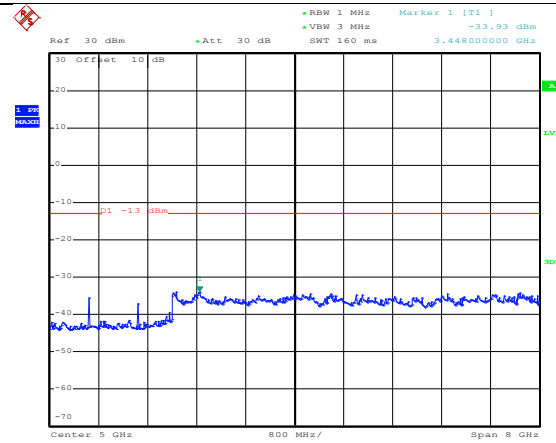
LTE Band 5&26 (part 22H): 16 QAM

BW: 5MHz

Lowest channel

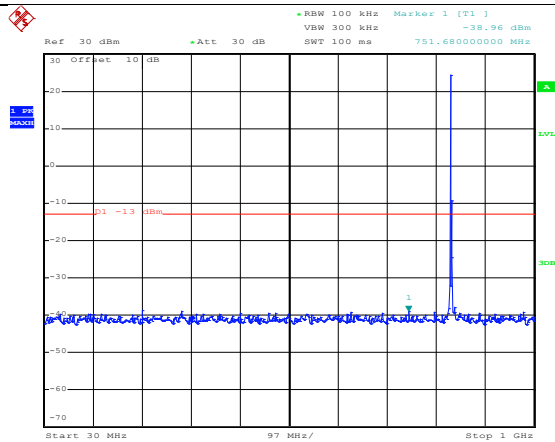


30MHz~1GHz

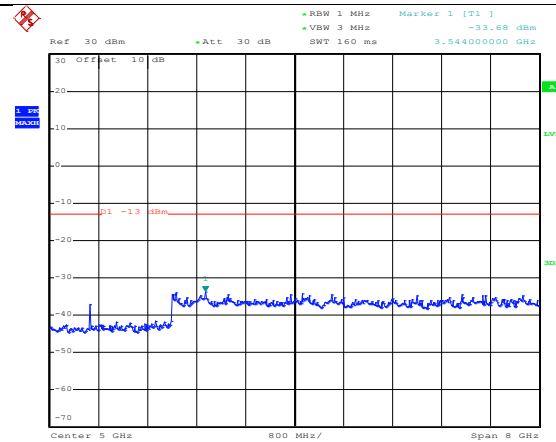


1GHz~9GHz

Middle channel

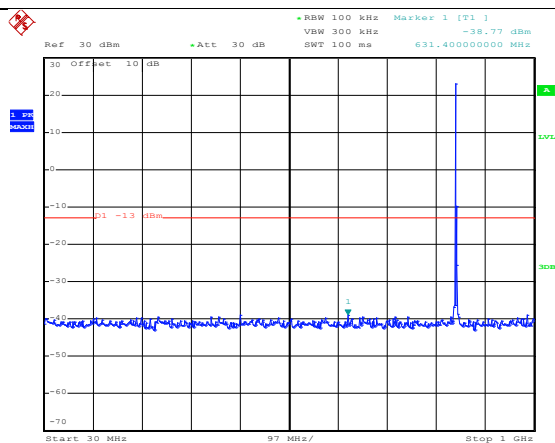


30MHz~1GHz

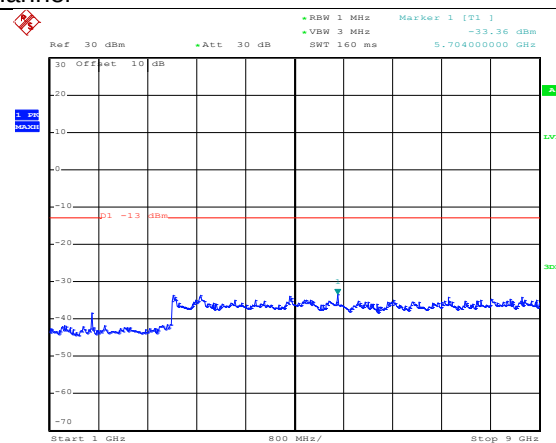


1GHz~9GHz

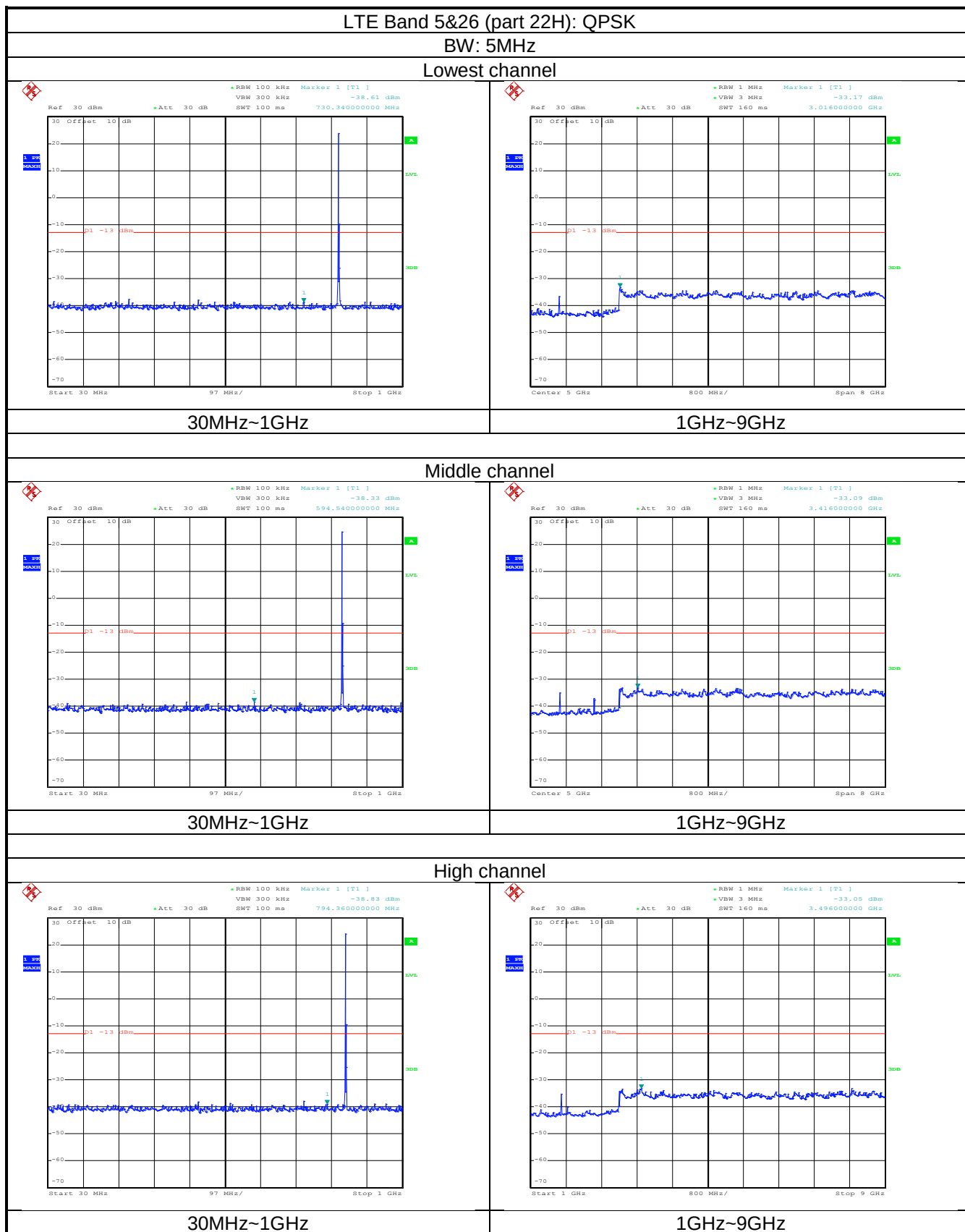
High channel

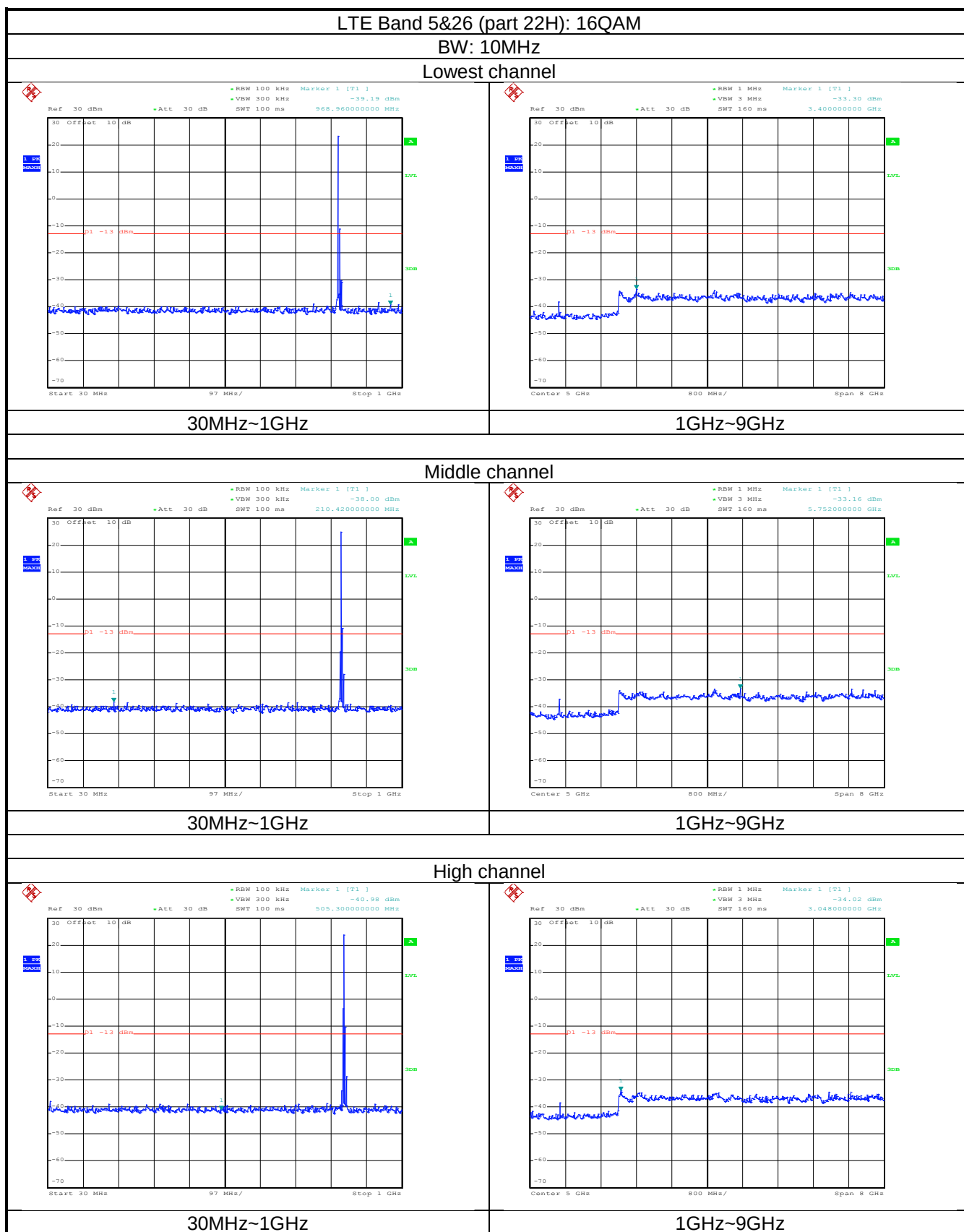


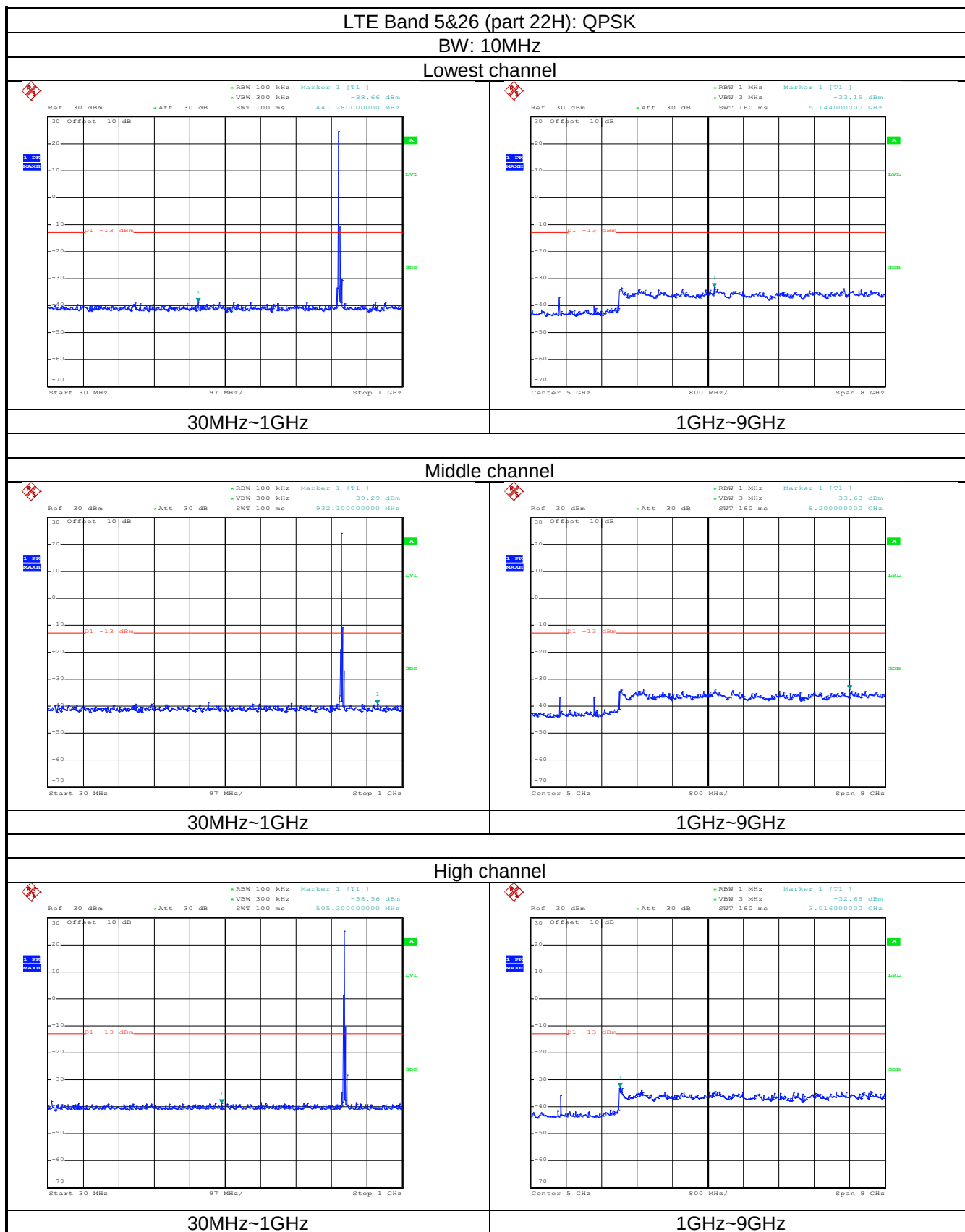
30MHz~1GHz

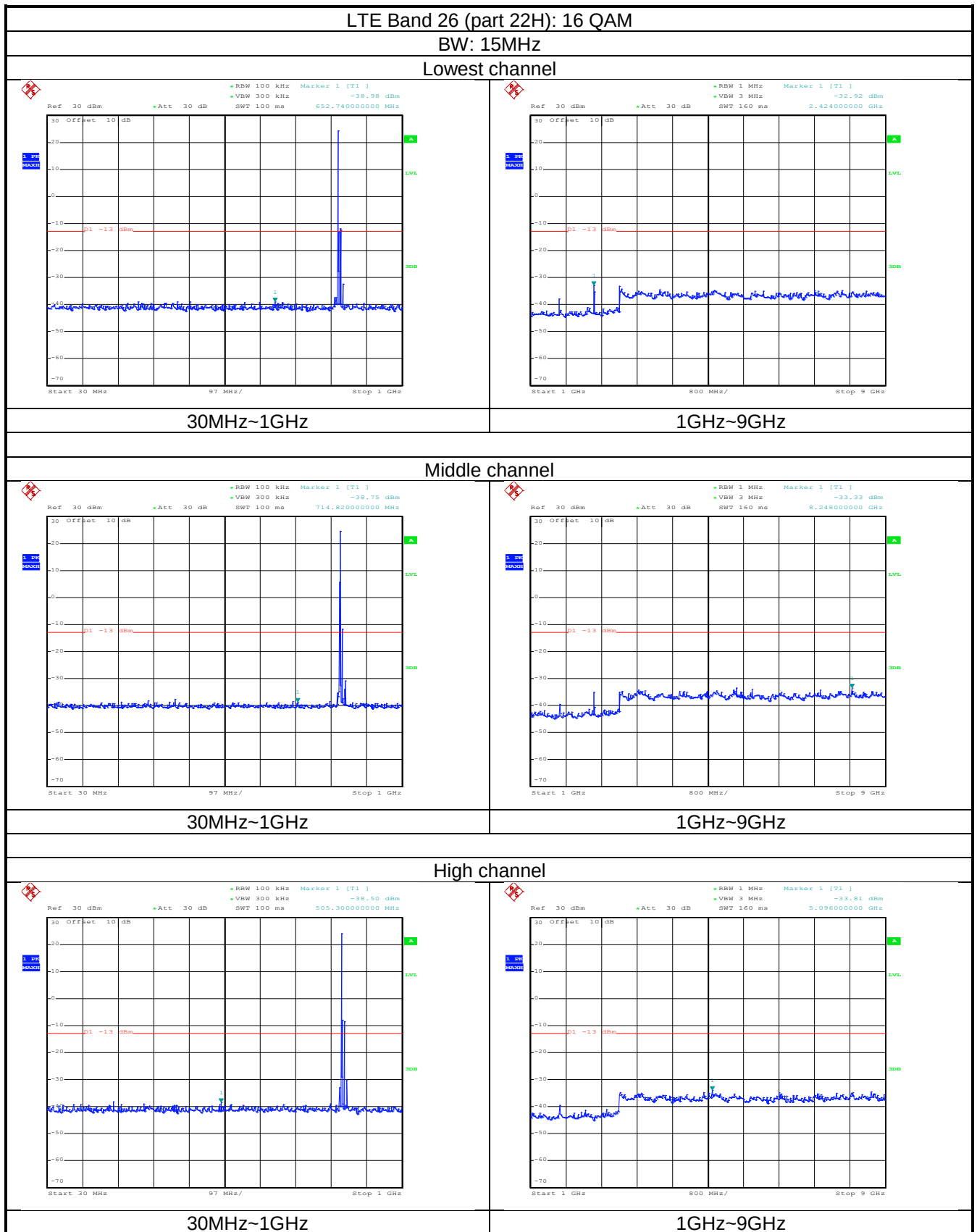


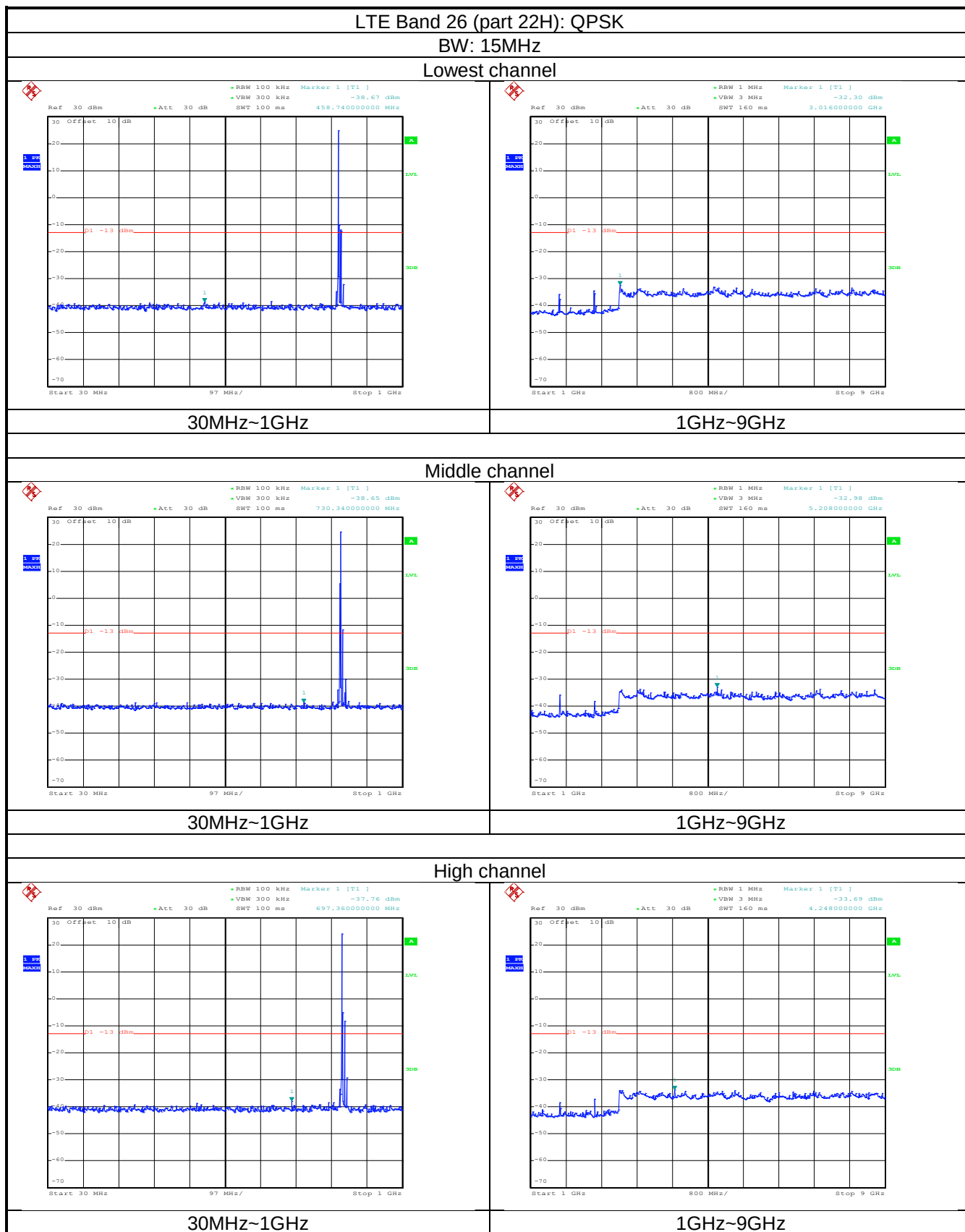
1GHz~9GHz









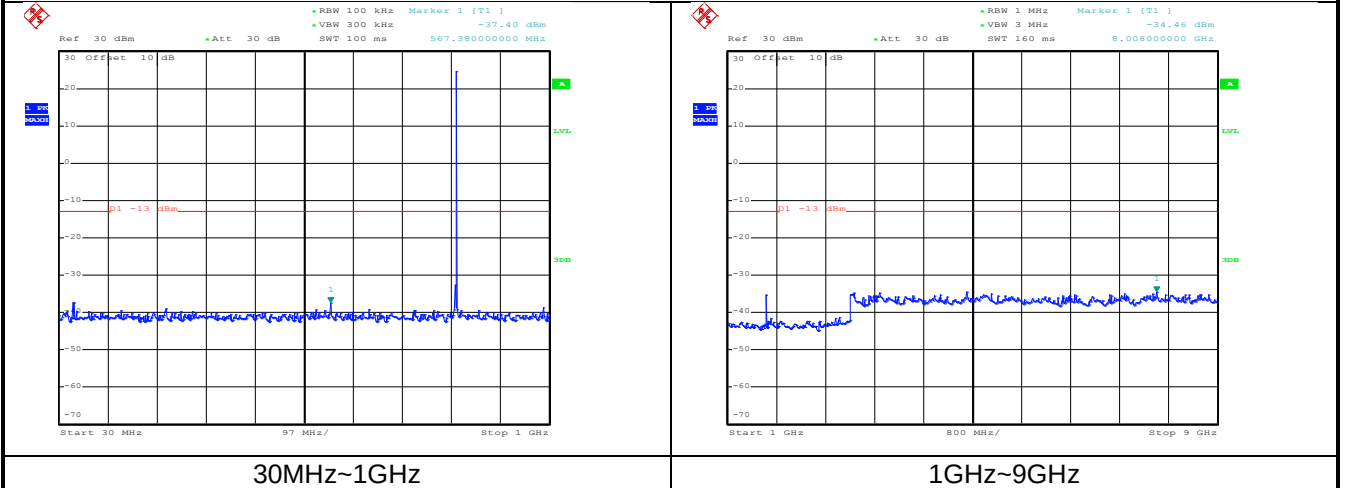


LTE band 26 (part 90S)

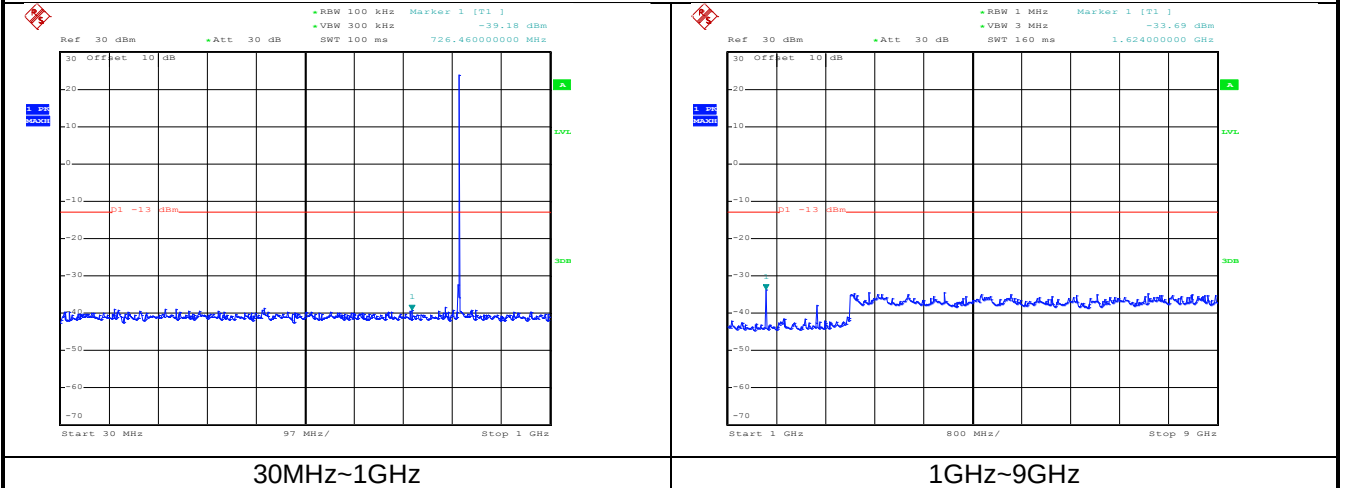
LTE Band 26 (part 90S): 16QAM

BW: 1.4MHz

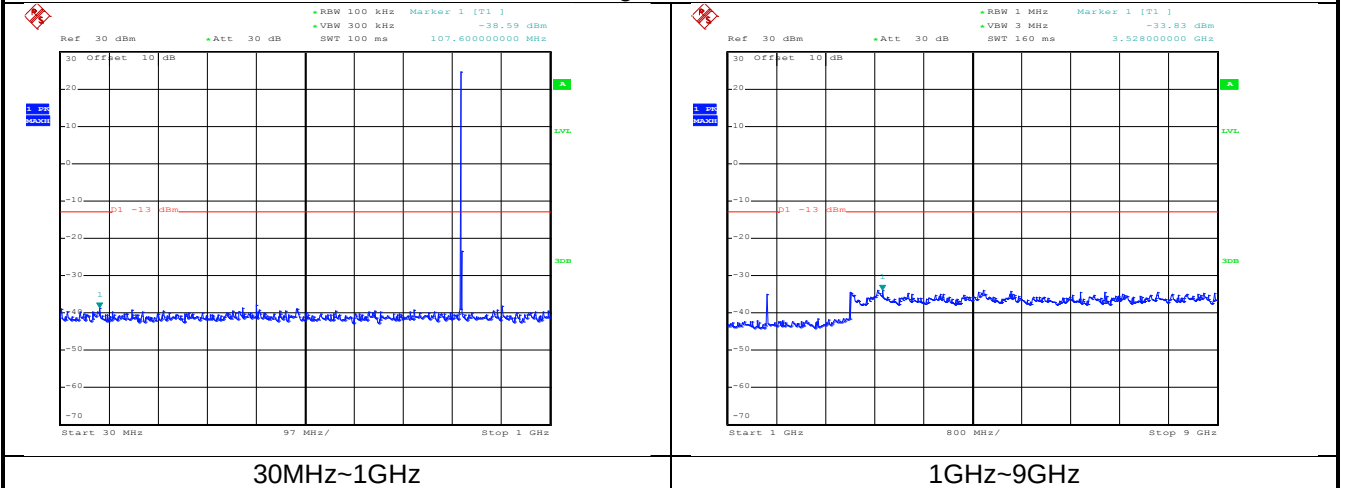
Lowest channel

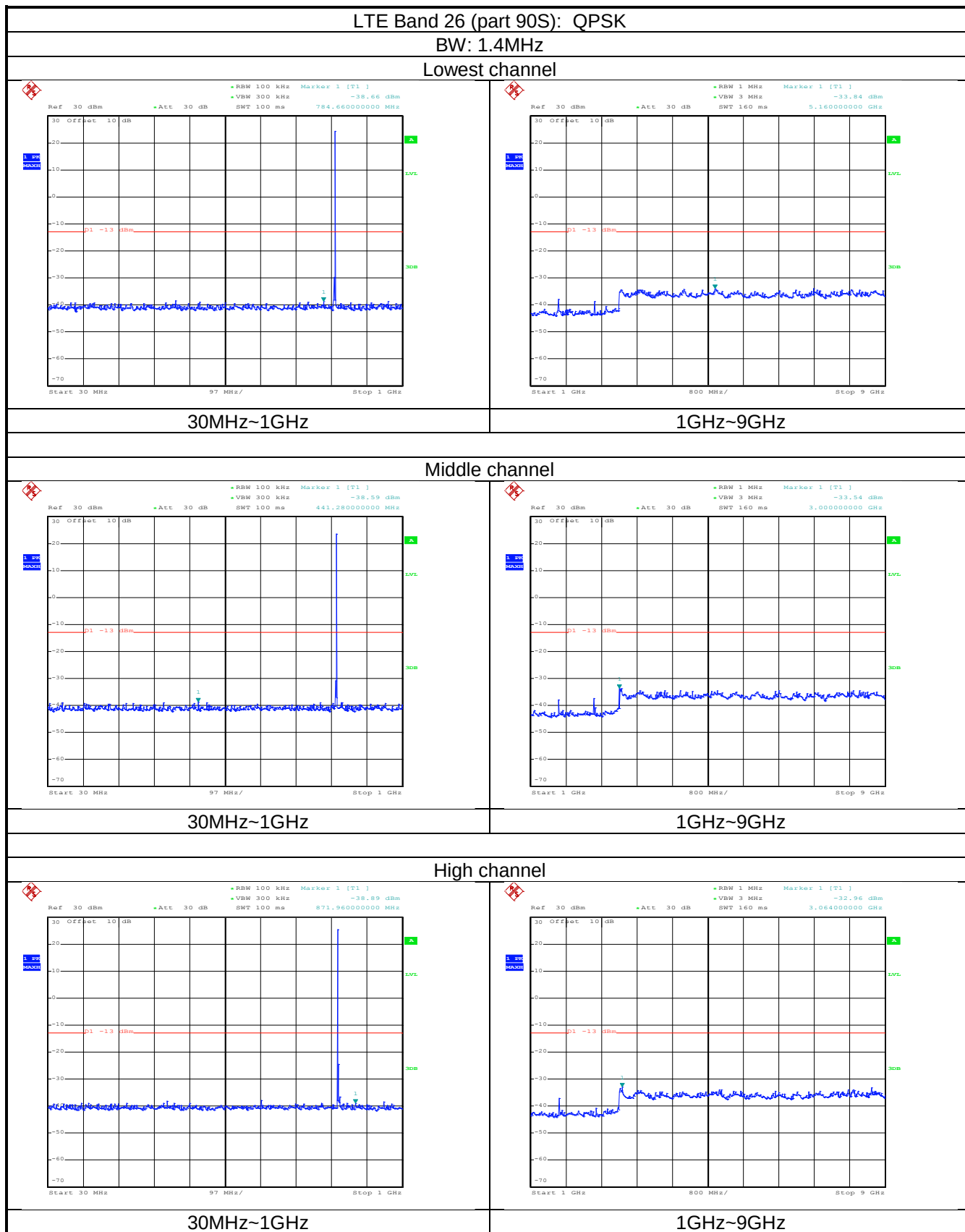


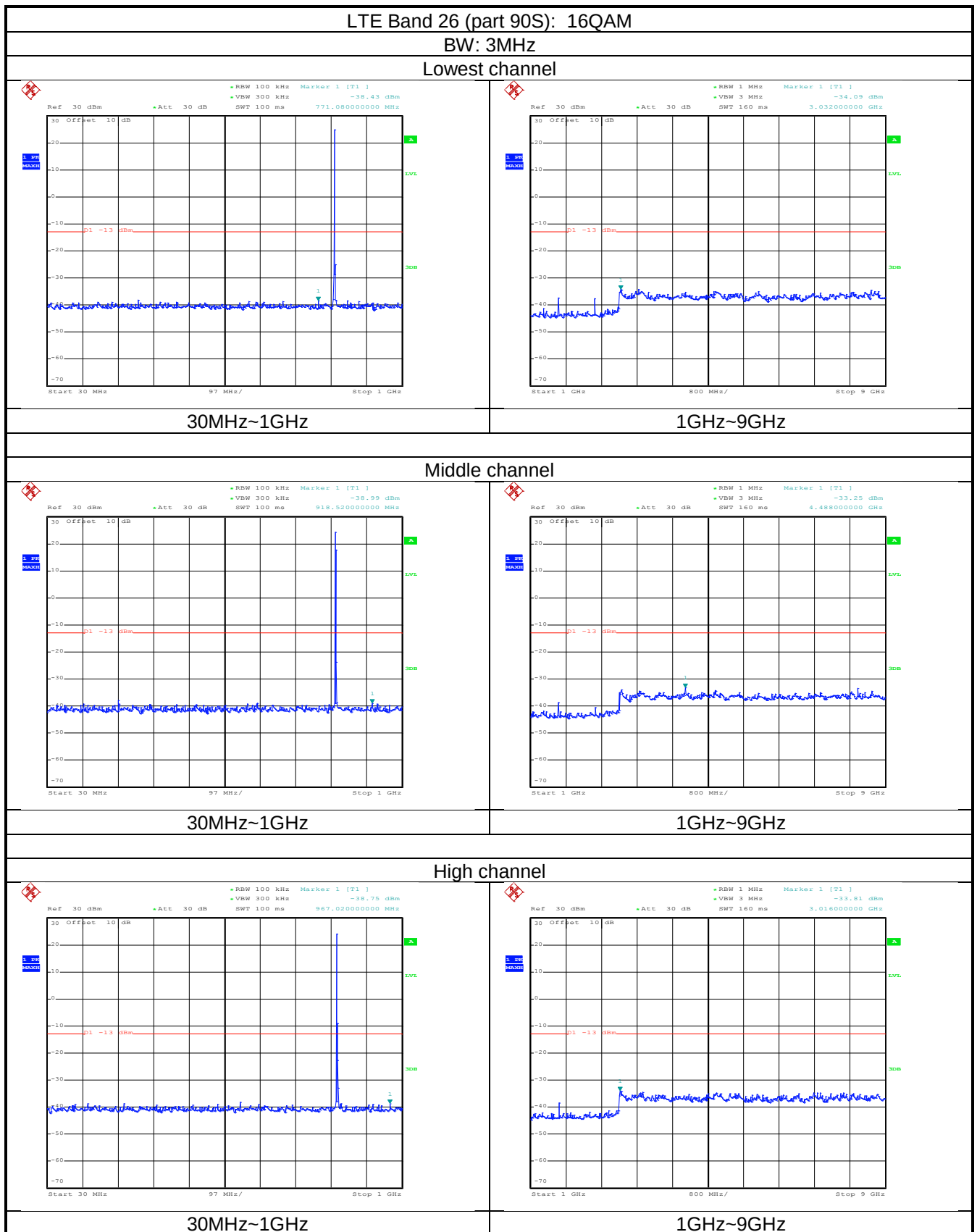
Middle channel

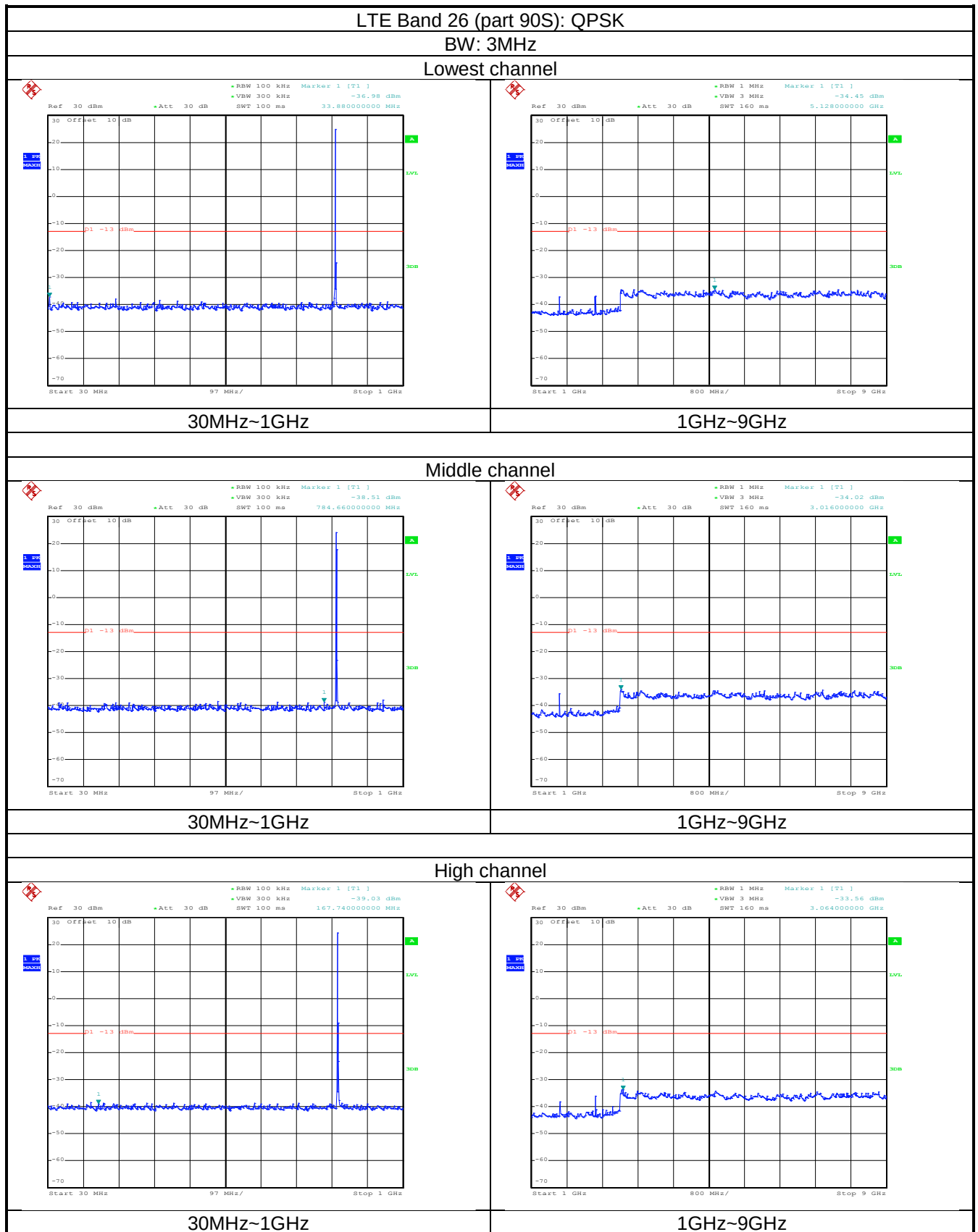


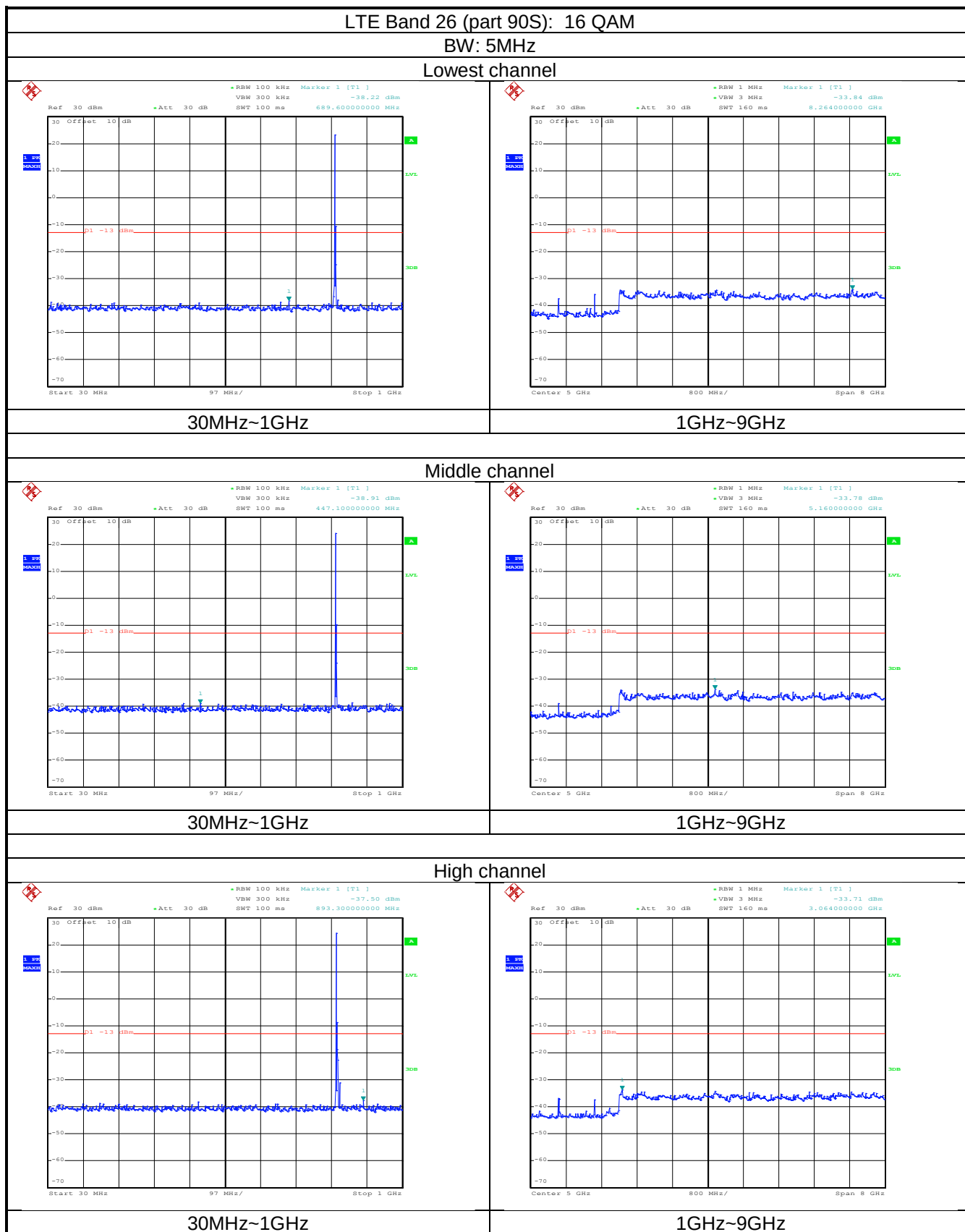
High channel

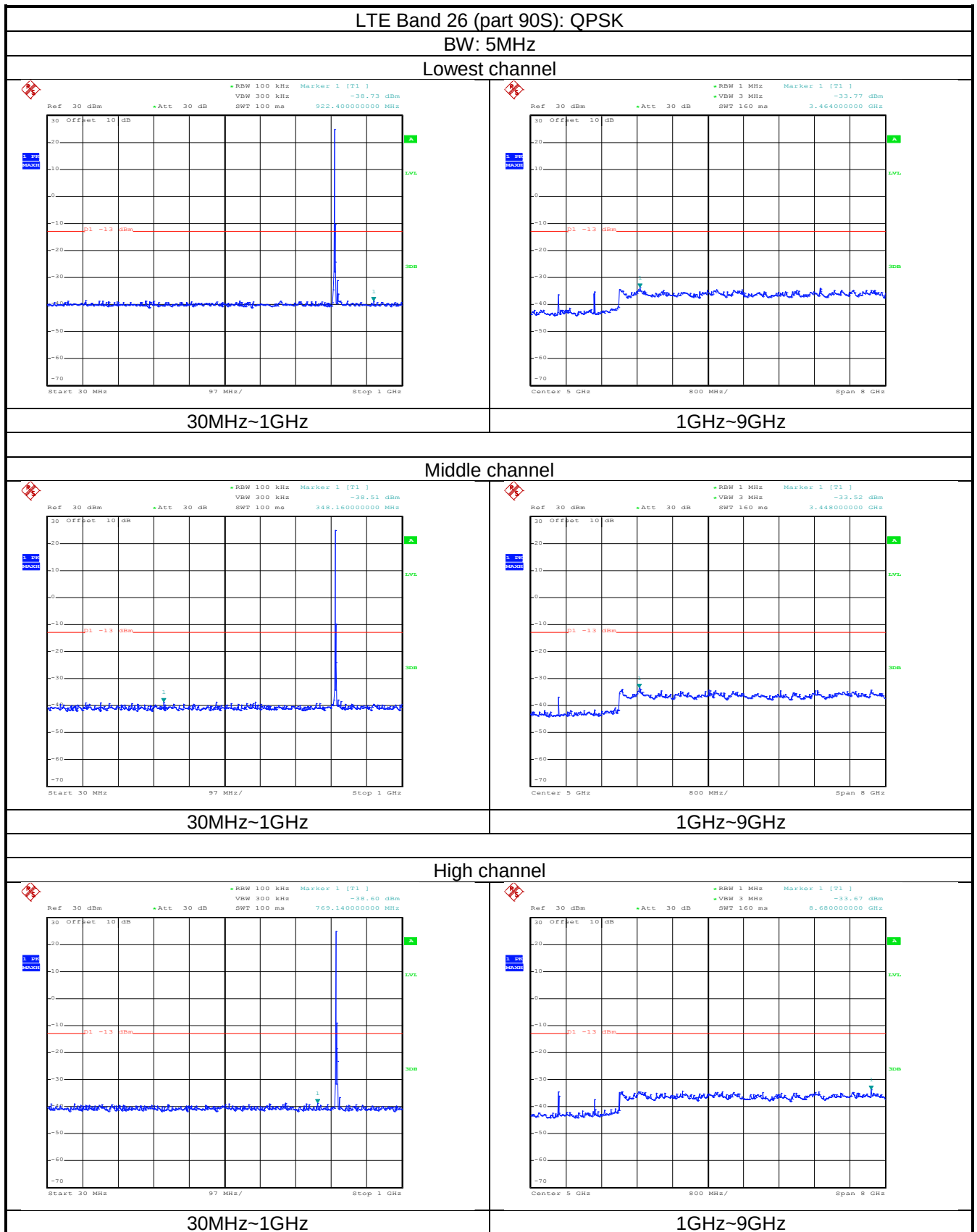


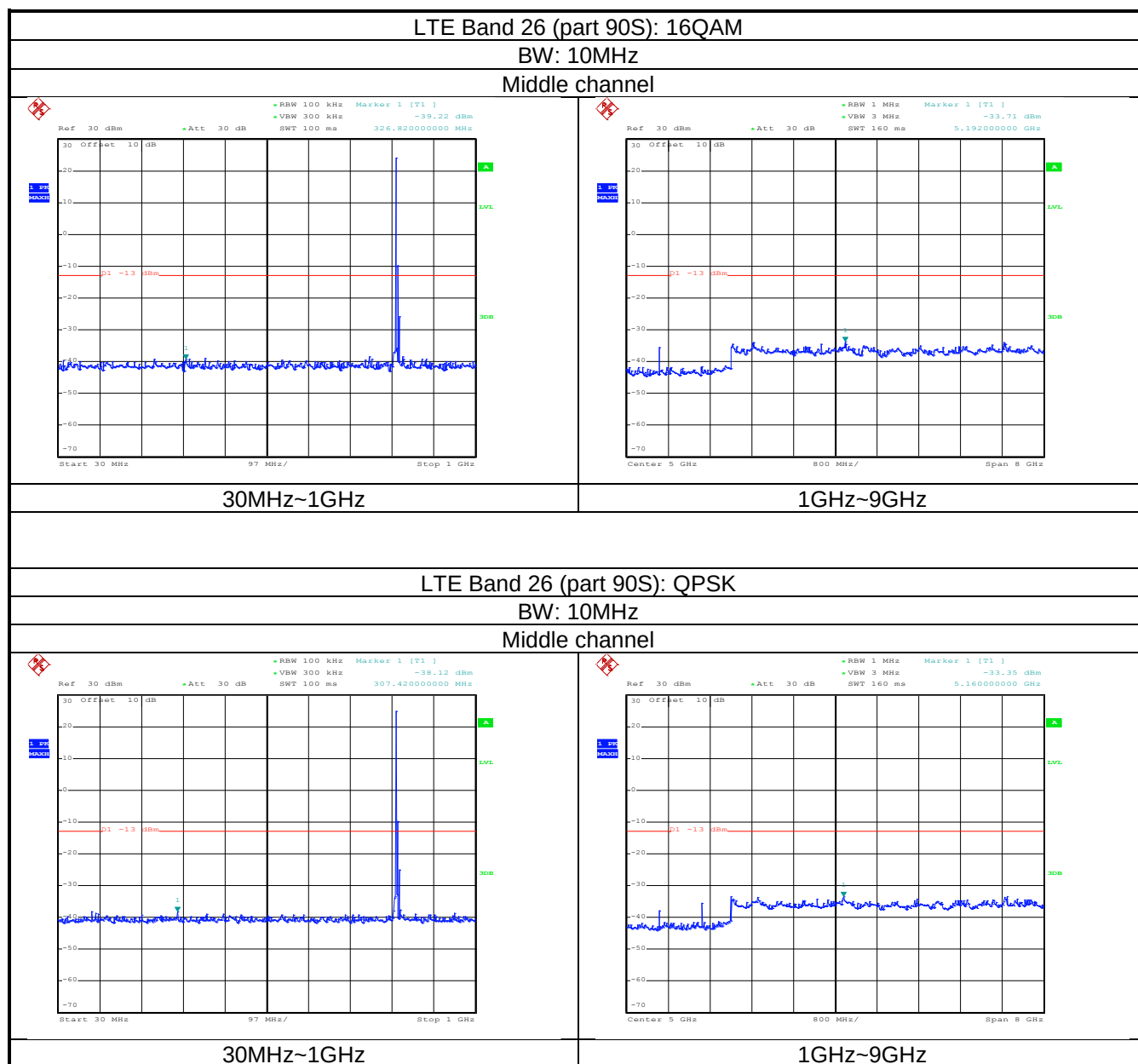


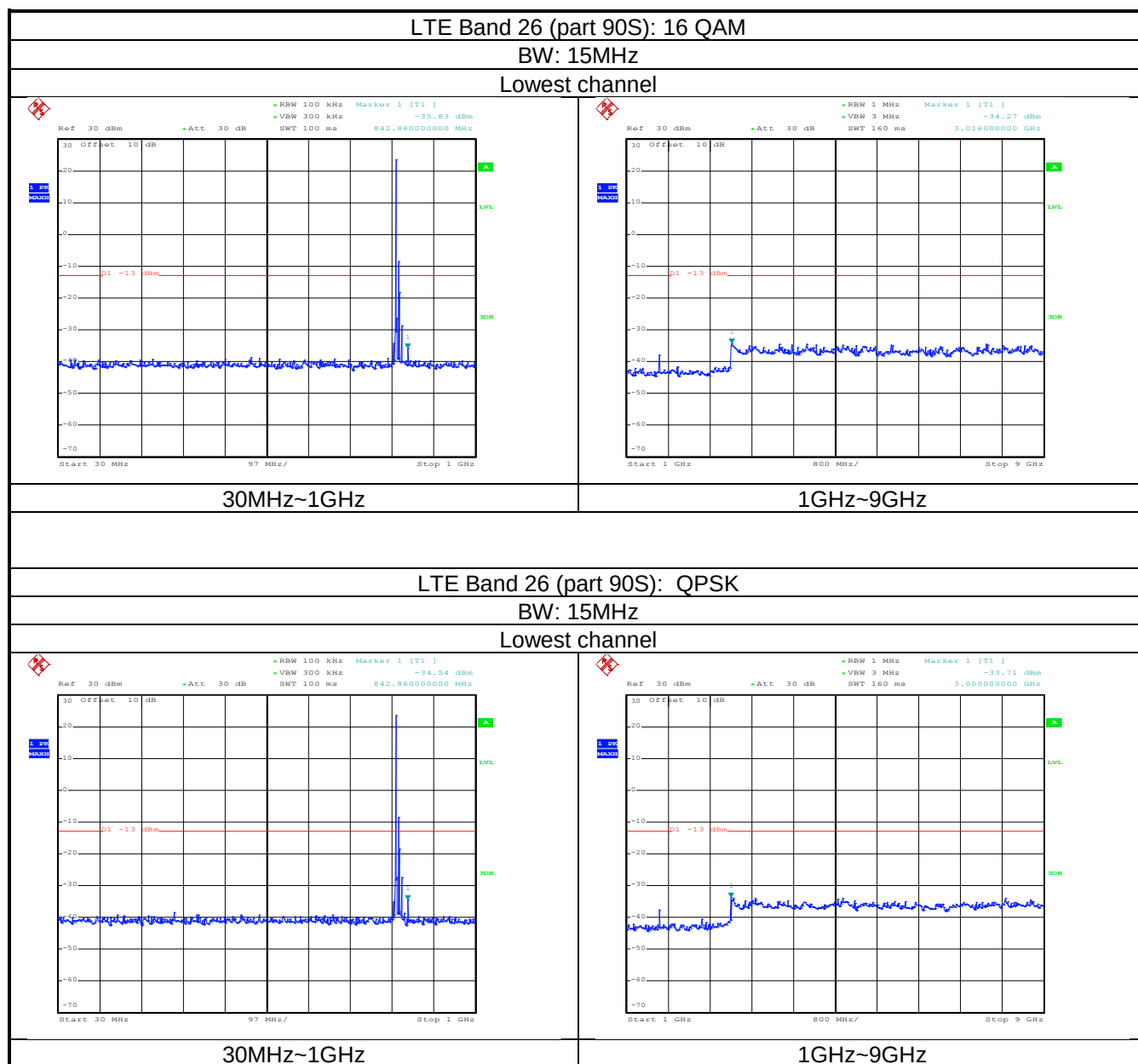


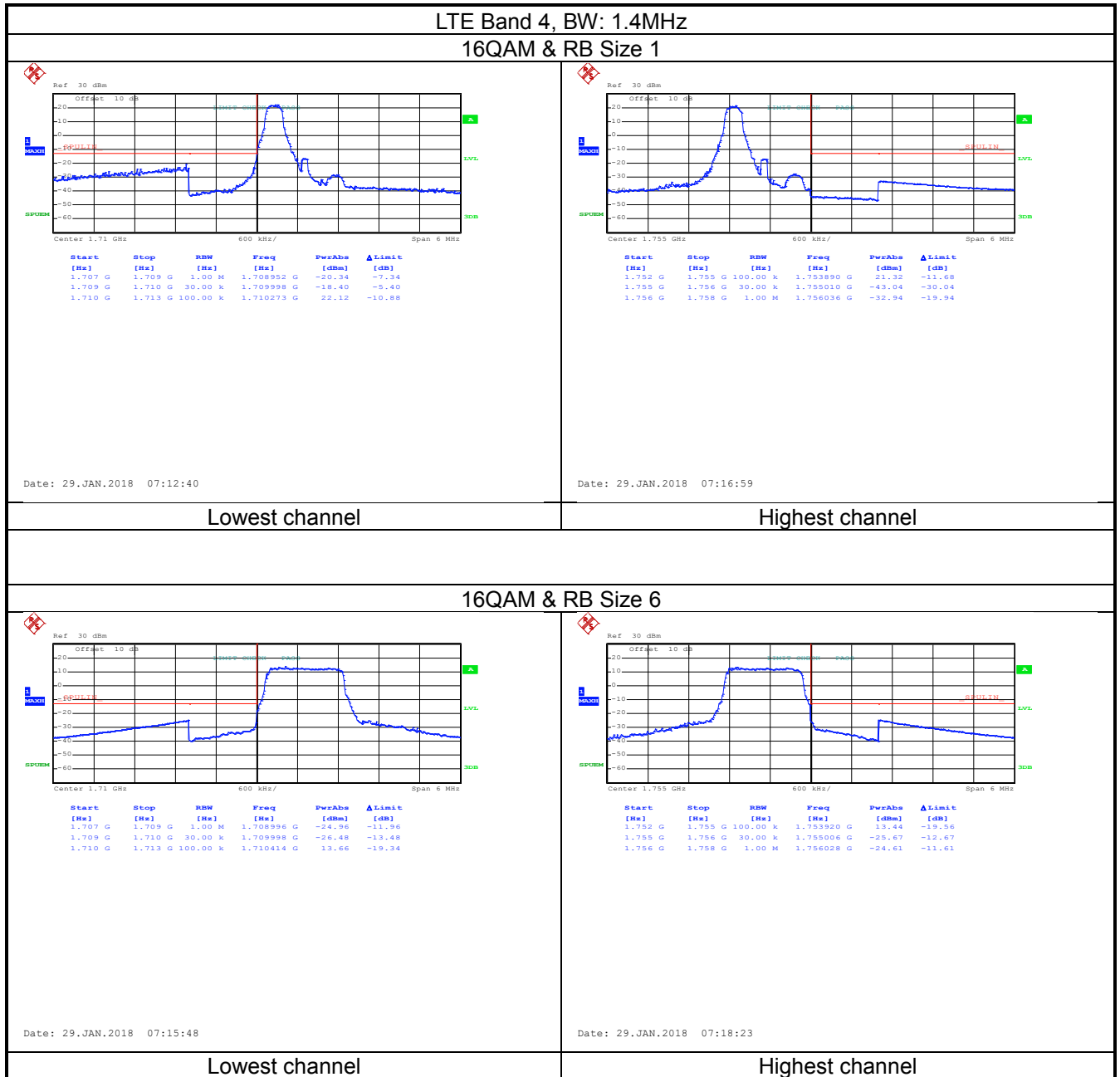






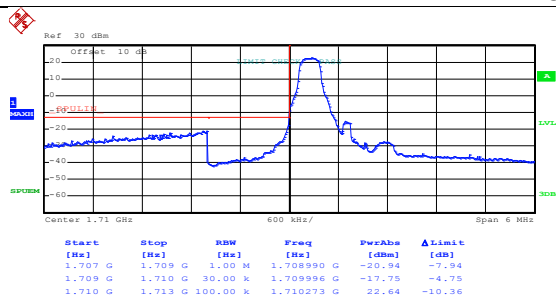




Band edge emission:**LTE Band 4 part:**

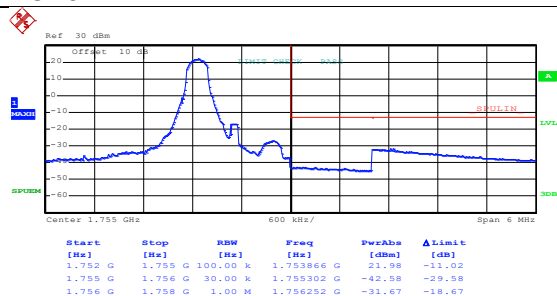
LTE Band 4, BW: 1.4MHz

QPSK & RB Size 1



Date: 29.JAN.2018 07:12:16

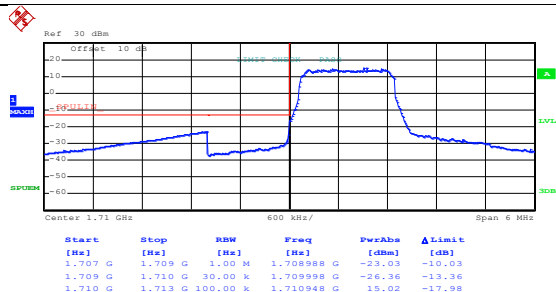
Lowest channel



Date: 29.JAN.2018 07:16:44

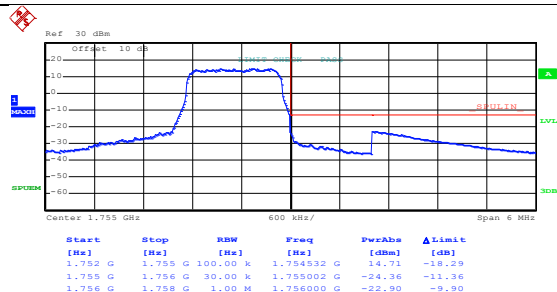
Highest channel

QPSK & RB Size 6



Date: 29.JAN.2018 07:15:23

Lowest channel

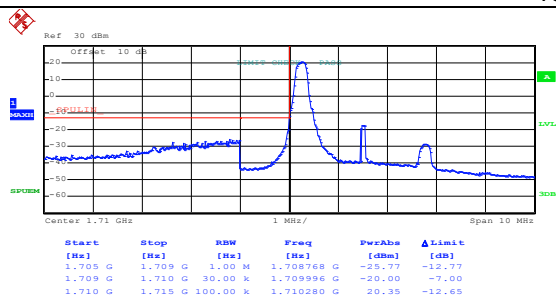


Date: 29.JAN.2018 07:18:09

Highest channel

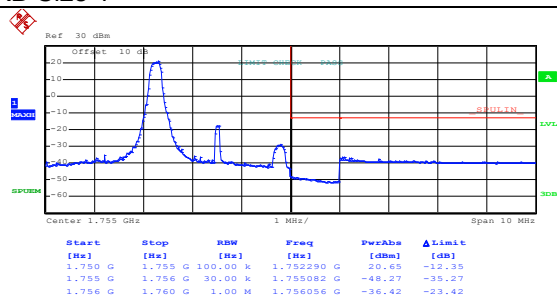
LTE Band 4, BW: 3MHz

16QAM & RB Size 1



Date: 29.JAN.2018 07:19:53

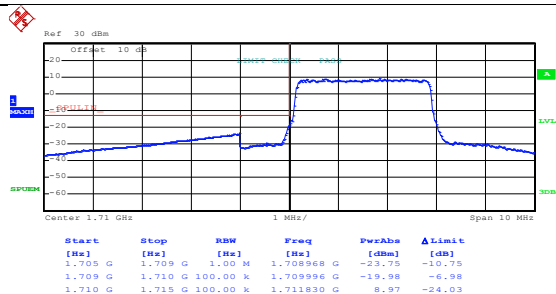
Lowest channel



Date: 29.JAN.2018 07:25:39

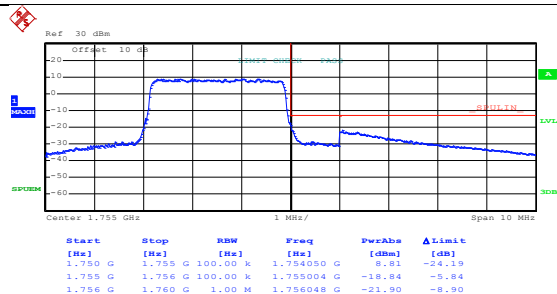
Highest channel

16QAM & RB Size 15



Date: 29.JAN.2018 07:24:23

Lowest channel

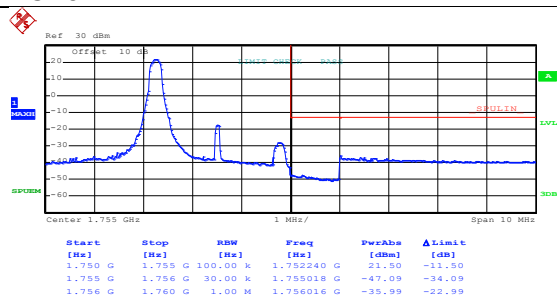
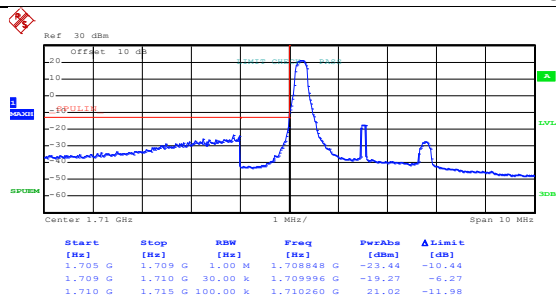


Date: 29.JAN.2018 07:27:12

Highest channel

LTE Band 4, BW: 3MHz

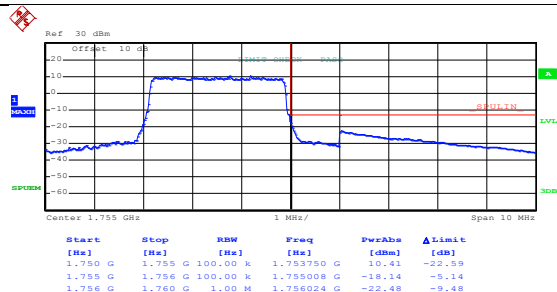
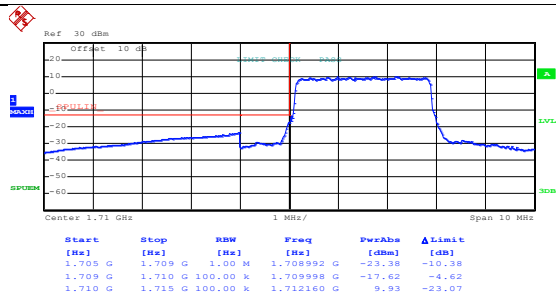
QPSK & RB Size 1



Lowest channel

Highest channel

QPSK & RB Size 15

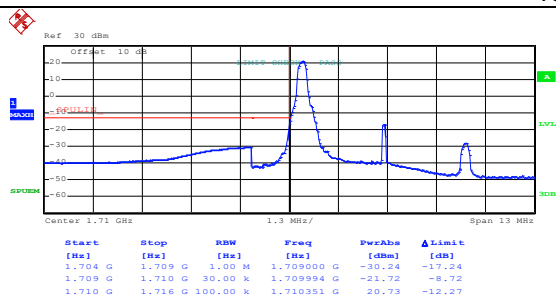


Lowest channel

Highest channel

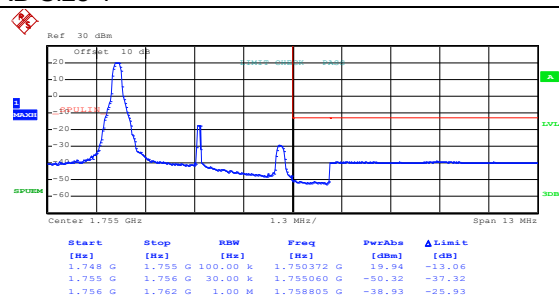
LTE Band 4, BW: 5MHz

16QAM & RB Size 1



Date: 29.JAN.2018 07:30:28

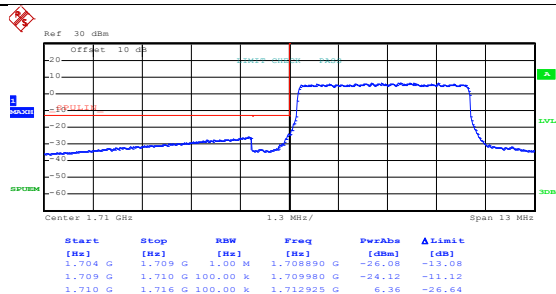
Lowest channel



Date: 29.JAN.2018 07:33:39

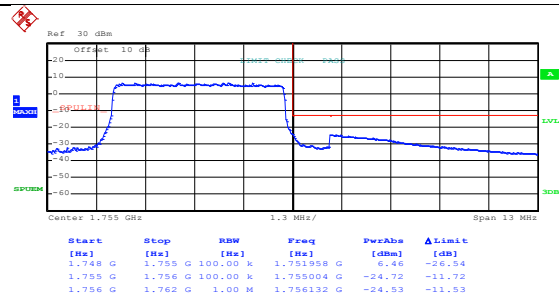
Highest channel

16QAM & RB Size 25



Date: 29.JAN.2018 07:32:27

Lowest channel

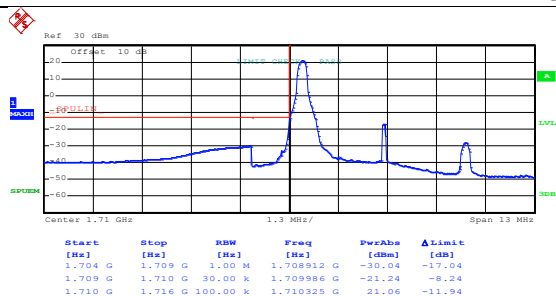


Date: 29.JAN.2018 07:34:54

Highest channel

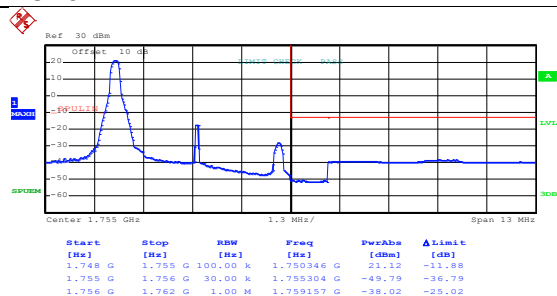
LTE Band 4, BW: 5MHz

QPSK & RB Size 1



Date: 29.JAN.2018 07:30:14

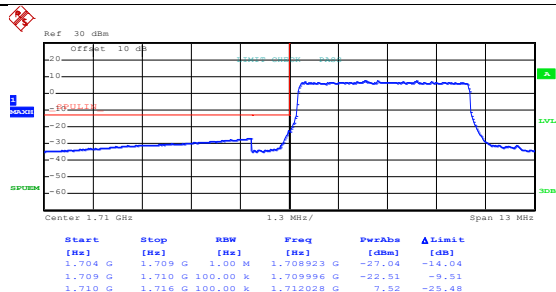
Lowest channel



Date: 29.JAN.2018 07:33:25

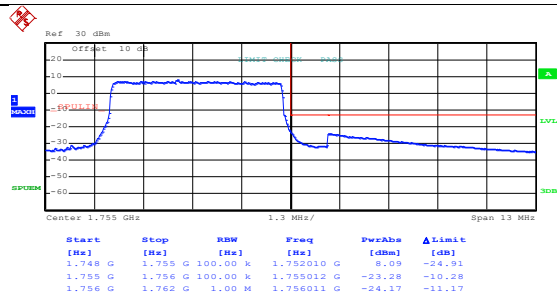
Highest channel

QPSK & RB Size 25



Date: 29.JAN.2018 07:32:09

Lowest channel

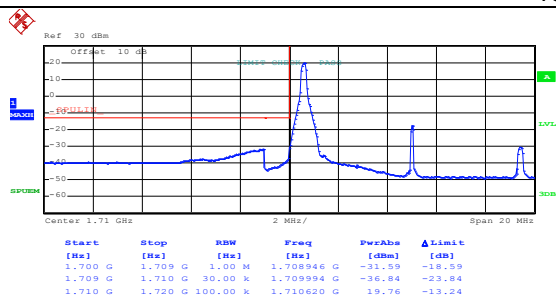


Date: 29.JAN.2018 07:34:42

Highest channel

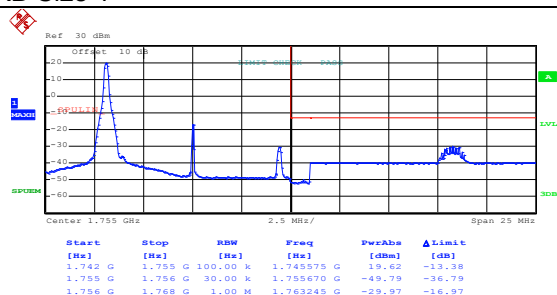
LTE Band 4, BW: 10MHz

16QAM & RB Size 1



Date: 29.JAN.2018 07:37:42

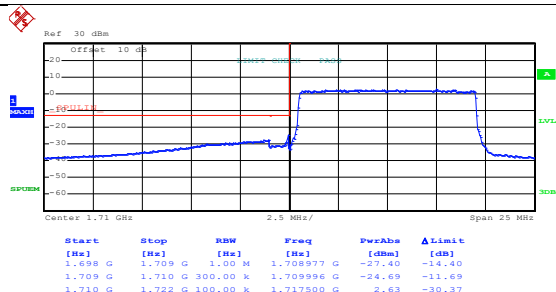
Lowest channel



Date: 29.JAN.2018 07:39:52

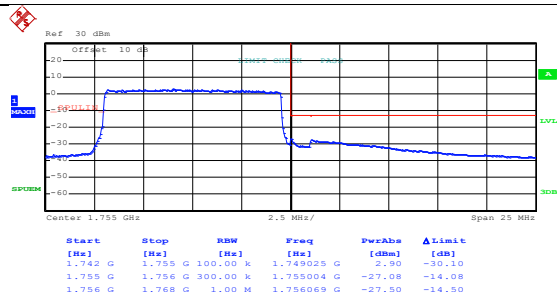
Highest channel

16QAM & RB Size 50



Date: 29.JAN.2018 07:38:56

Lowest channel

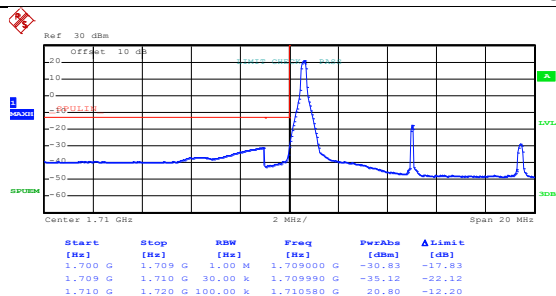


Date: 29.JAN.2018 07:41:03

Highest channel

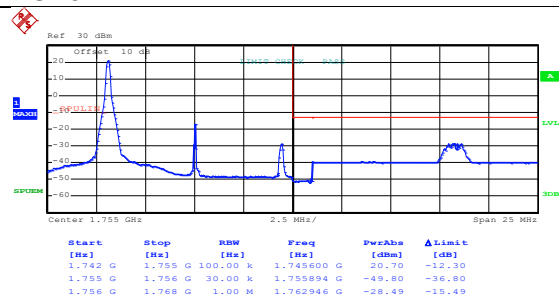
LTE Band 4, BW: 10MHz

QPSK & RB Size 1



Date: 29.JAN.2018 07:37:24

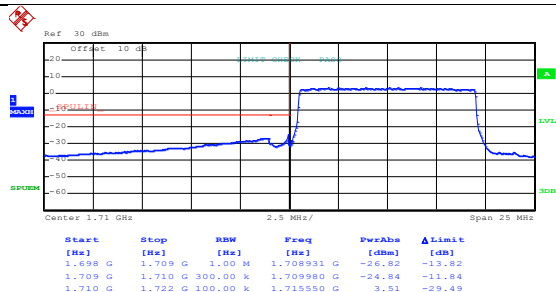
Lowest channel



Date: 29.JAN.2018 07:39:27

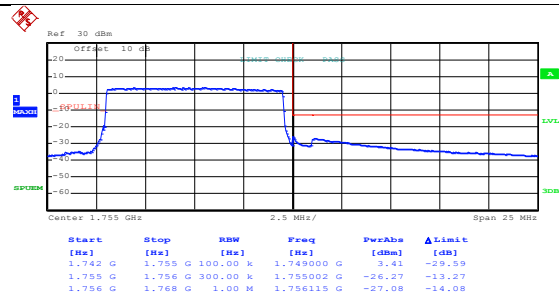
Highest channel

QPSK & RB Size 50



Date: 29.JAN.2018 07:38:43

Lowest channel

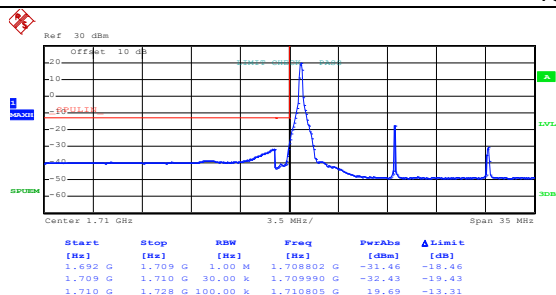


Date: 29.JAN.2018 07:40:51

Highest channel

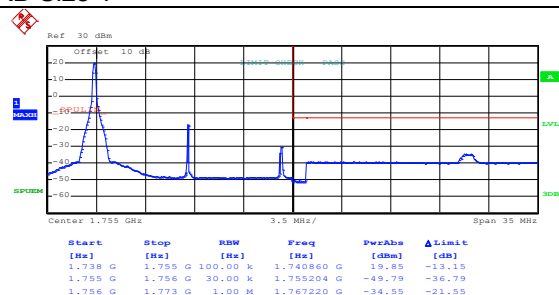
LTE Band 4, BW: 15MHz

16QAM & RB Size 1



Date: 29.JAN.2018 07:44:26

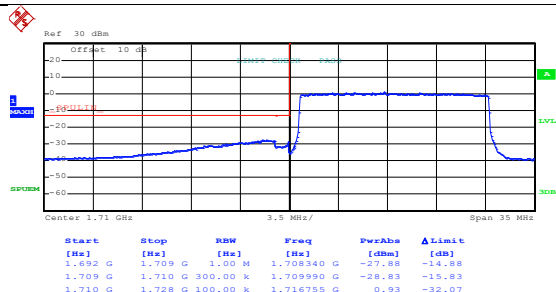
Lowest channel



Date: 29.JAN.2018 07:49:41

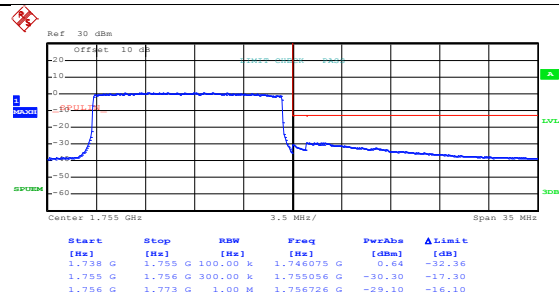
Highest channel

16QAM & RB Size 75



Date: 29.JAN.2018 07:46:42

Lowest channel

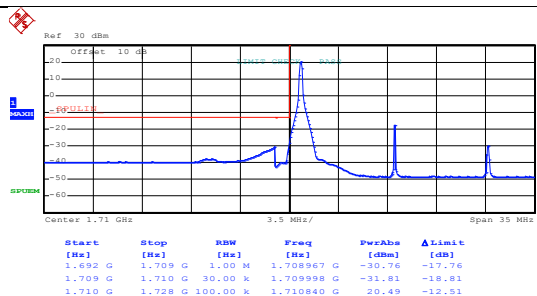


Date: 29.JAN.2018 07:51:11

Highest channel

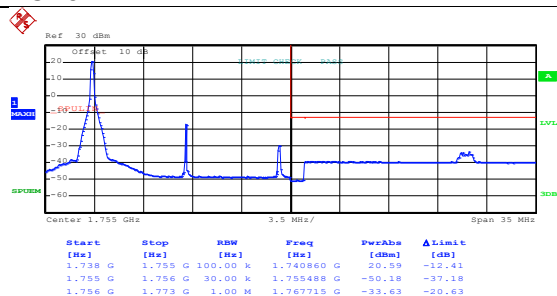
LTE Band 4, BW: 15MHz

QPSK & RB Size 1



Date: 29.JAN.2018 07:43:58

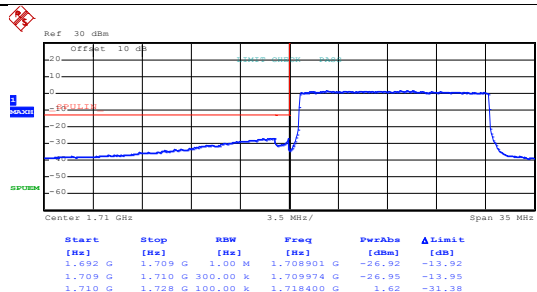
Lowest channel



Date: 29.JAN.2018 07:49:23

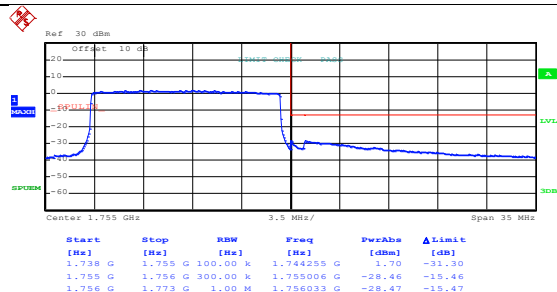
Highest channel

QPSK & RB Size 75



Date: 29.JAN.2018 07:46:06

Lowest channel

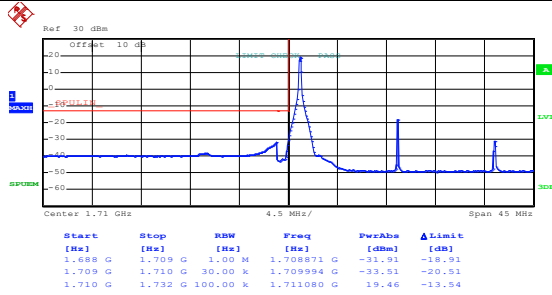


Date: 29.JAN.2018 07:50:58

Highest channel

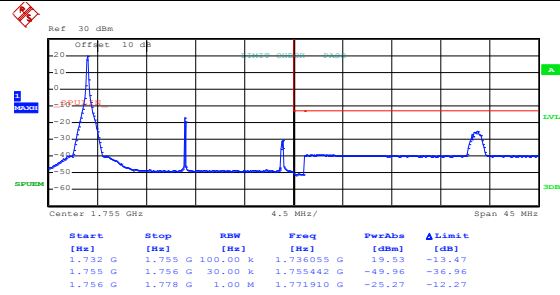
LTE Band 4, BW: 20MHz

16QAM & RB Size 1



Date: 29.JAN.2018 07:53:03

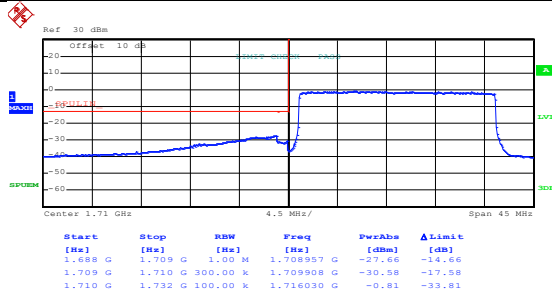
Lowest channel



Date: 29.JAN.2018 07:55:10

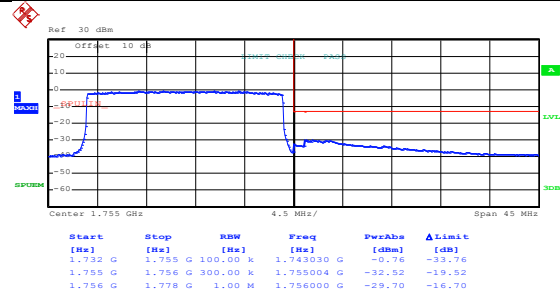
Highest channel

16QAM & RB Size 100



Date: 29.JAN.2018 07:54:16

Lowest channel

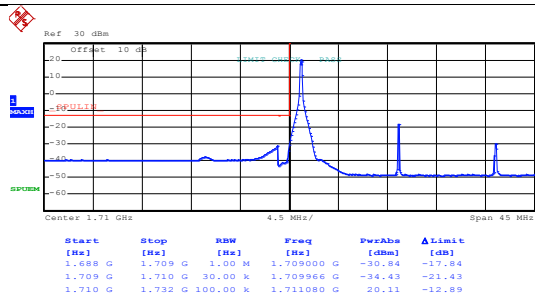


Date: 29.JAN.2018 07:57:01

Highest channel

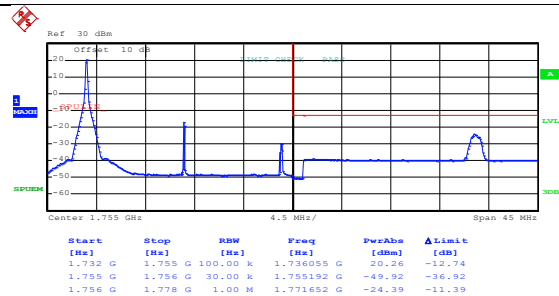
LTE Band 4, BW: 20MHz

QPSK & RB Size 1



Date: 29.JAN.2018 07:52:49

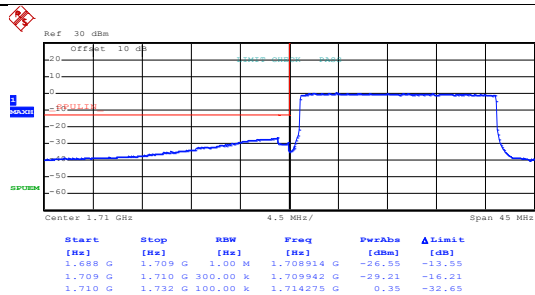
Lowest channel



Date: 29.JAN.2018 07:54:57

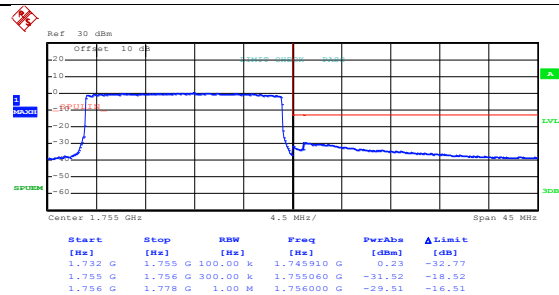
Highest channel

QPSK & RB Size 100



Date: 29.JAN.2018 07:53:59

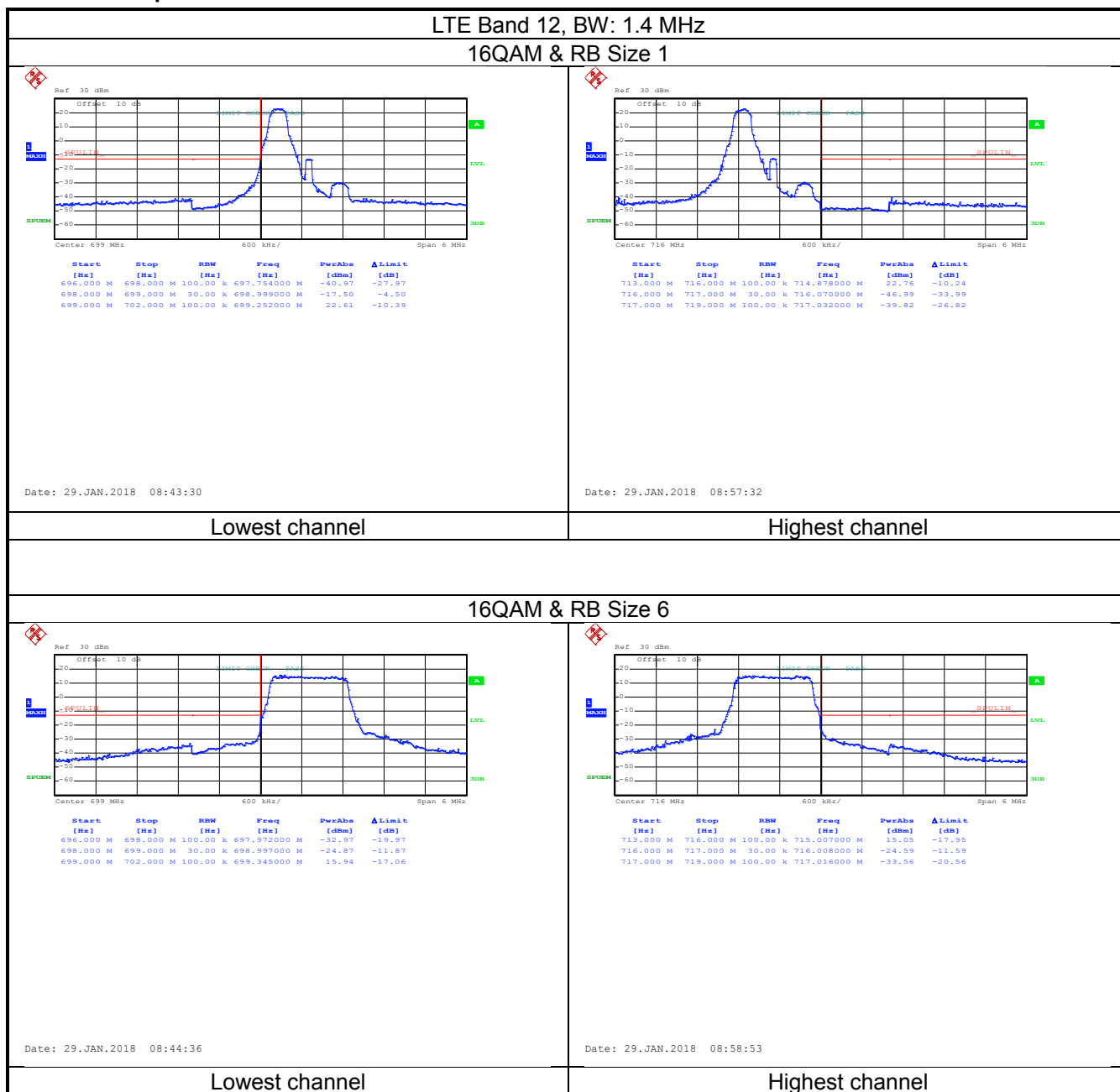
Lowest channel



Date: 29.JAN.2018 07:56:44

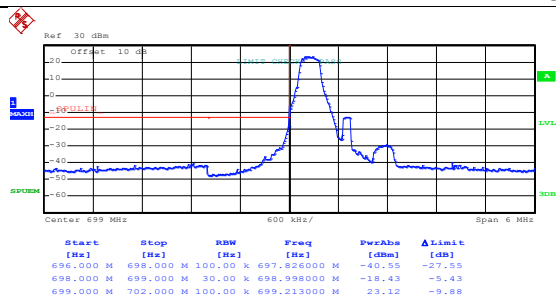
Highest channel

LTE Band 12 part:



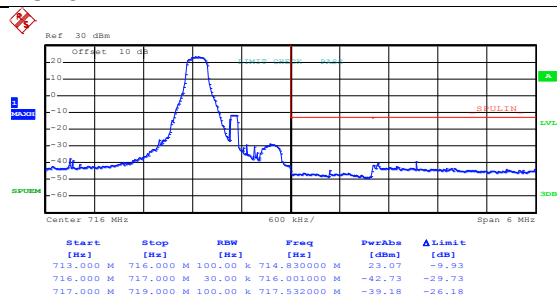
LTE Band 12, BW: 1.4 MHz

QPSK & RB Size 1



Date: 29.JAN.2018 08:43:13

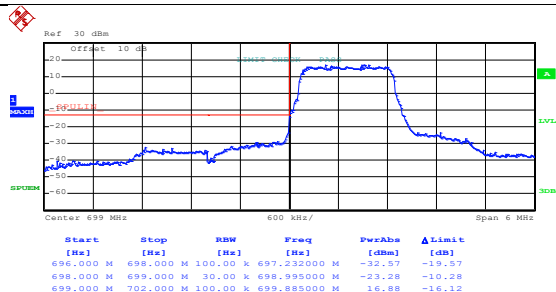
Lowest channel



Date: 29.JAN.2018 08:57:18

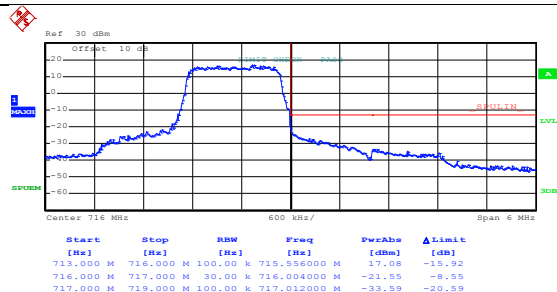
Highest channel

QPSK & RB Size 6



Date: 29.JAN.2018 08:44:21

Lowest channel

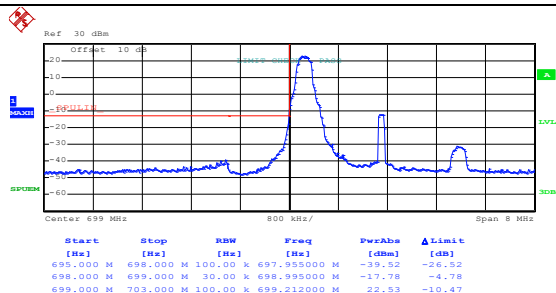


Date: 29.JAN.2018 08:58:40

Highest channel

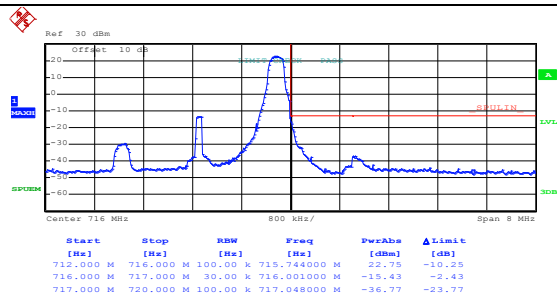
LTE Band 12, BW: 3 MHz

16QAM & RB Size 1



Date: 29.JAN.2018 09:00:20

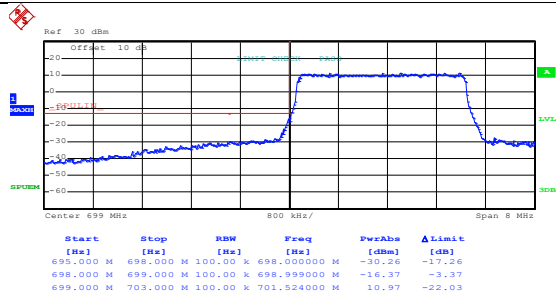
Lowest channel



Date: 29.JAN.2018 09:04:07

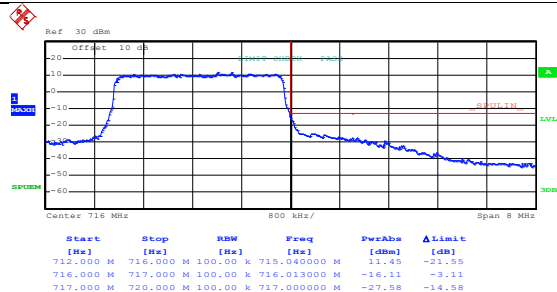
Highest channel

16QAM & RB Size 15



Date: 29.JAN.2018 09:02:03

Lowest channel

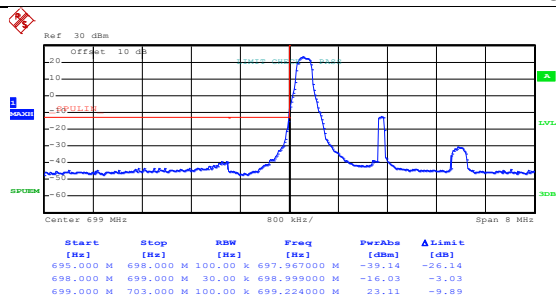


Date: 29.JAN.2018 09:04:57

Highest channel

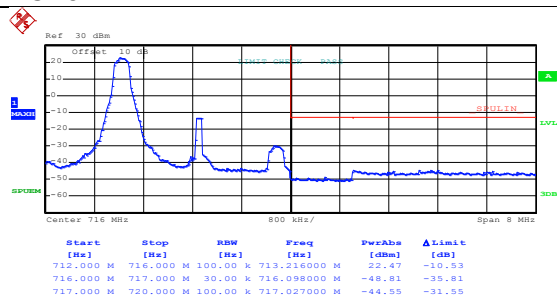
LTE Band 12, BW: 3 MHz

QPSK & RB Size 1



Date: 29.JAN.2018 09:00:05

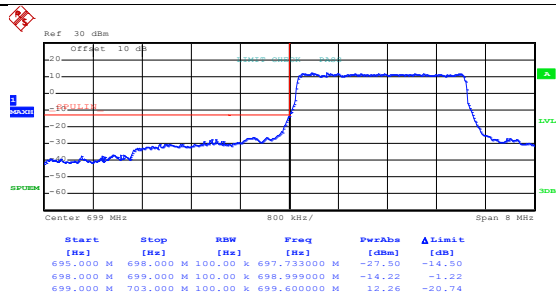
Lowest channel



Date: 29.JAN.2018 09:03:54

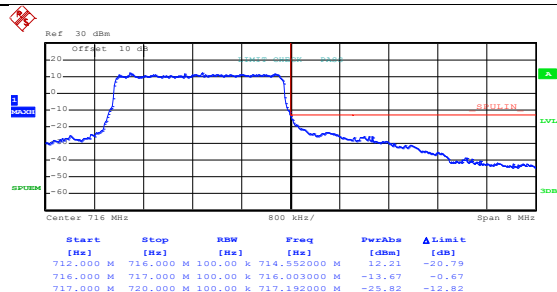
Highest channel

QPSK & RB Size 15



Date: 29.JAN.2018 09:01:49

Lowest channel

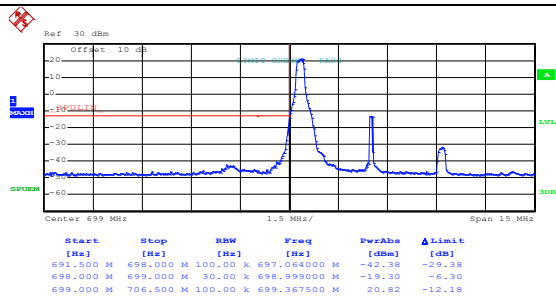


Date: 29.JAN.2018 09:05:10

Highest channel

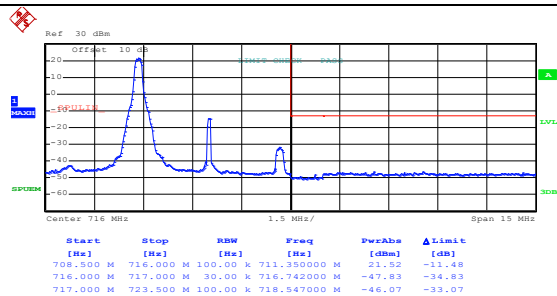
LTE Band 12, BW: 5 MHz

16QAM & RB Size 1



Date: 29.JAN.2018 09:07:19

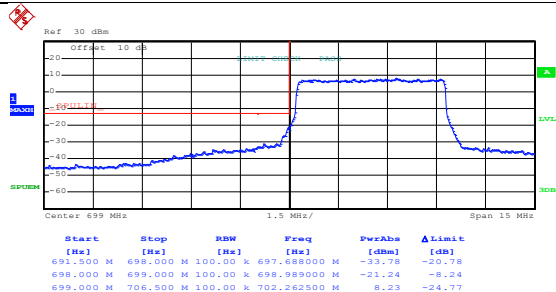
Lowest channel



Date: 29.JAN.2018 09:11:05

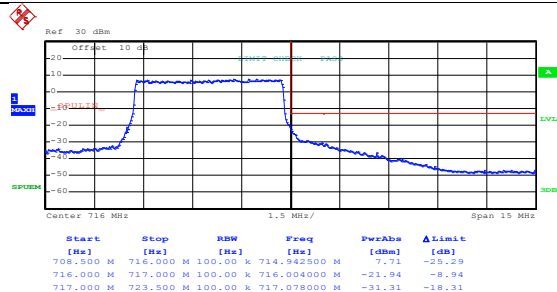
Highest channel

16QAM & RB Size 25



Date: 29.JAN.2018 09:08:54

Lowest channel

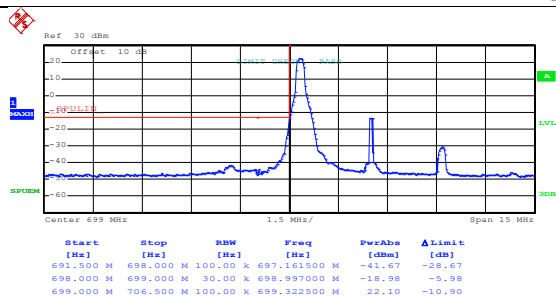


Date: 29.JAN.2018 09:12:23

Highest channel

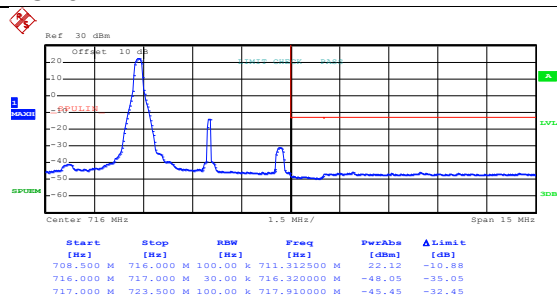
LTE Band 12, BW: 5 MHz

QPSK & RB Size 1



Date: 29.JAN.2018 09:07:05

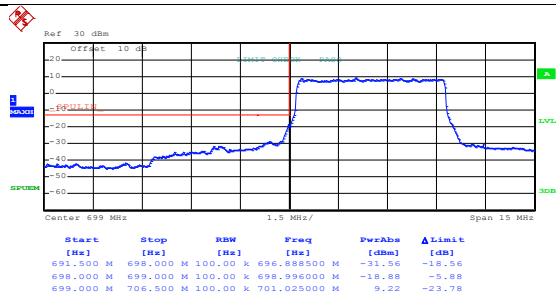
Lowest channel



Date: 29.JAN.2018 09:10:48

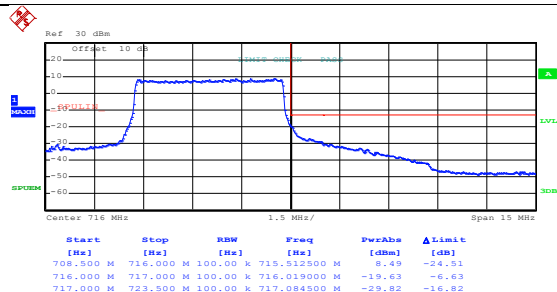
Highest channel

QPSK & RB Size 25



Date: 29.JAN.2018 09:08:39

Lowest channel

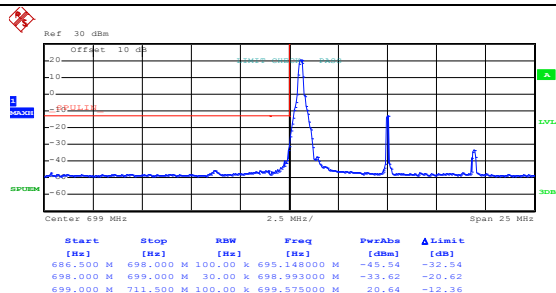


Date: 29.JAN.2018 09:12:11

Highest channel

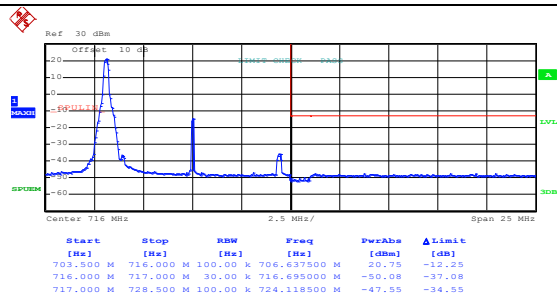
LTE Band 12, BW: 10 MHz

16QAM & RB Size 1



Date: 29.JAN.2018 09:14:05

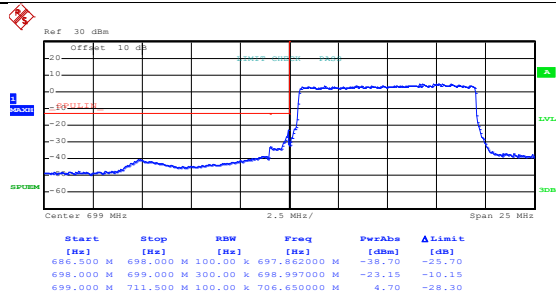
Lowest channel



Date: 29.JAN.2018 09:17:21

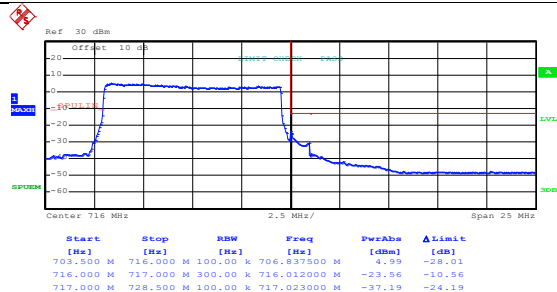
Highest channel

16QAM & RB Size 50



Date: 29.JAN.2018 09:21:31

Lowest channel

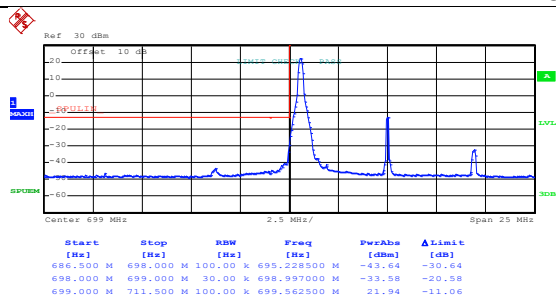


Date: 29.JAN.2018 09:18:50

Highest channel

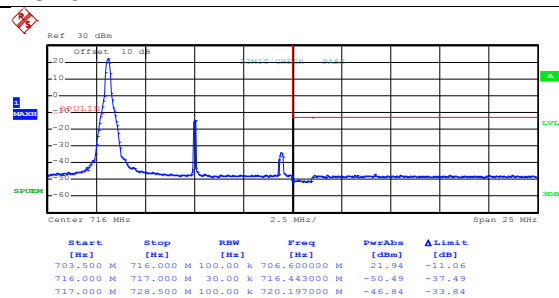
LTE Band 12, BW: 10 MHz

QPSK & RB Size 1



Date: 29.JAN.2018 09:13:51

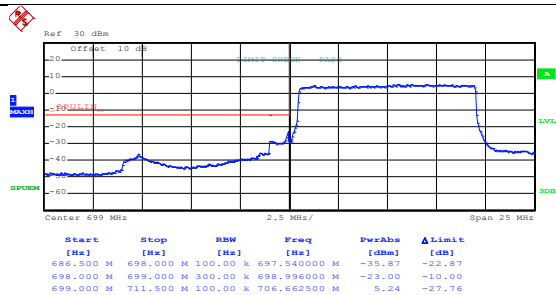
Lowest channel



Date: 29.JAN.2018 09:17:07

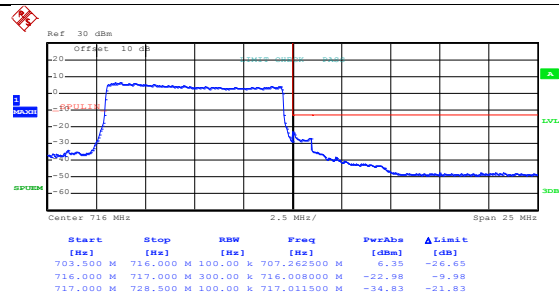
Highest channel

QPSK & RB Size 50



Date: 29.JAN.2018 09:15:00

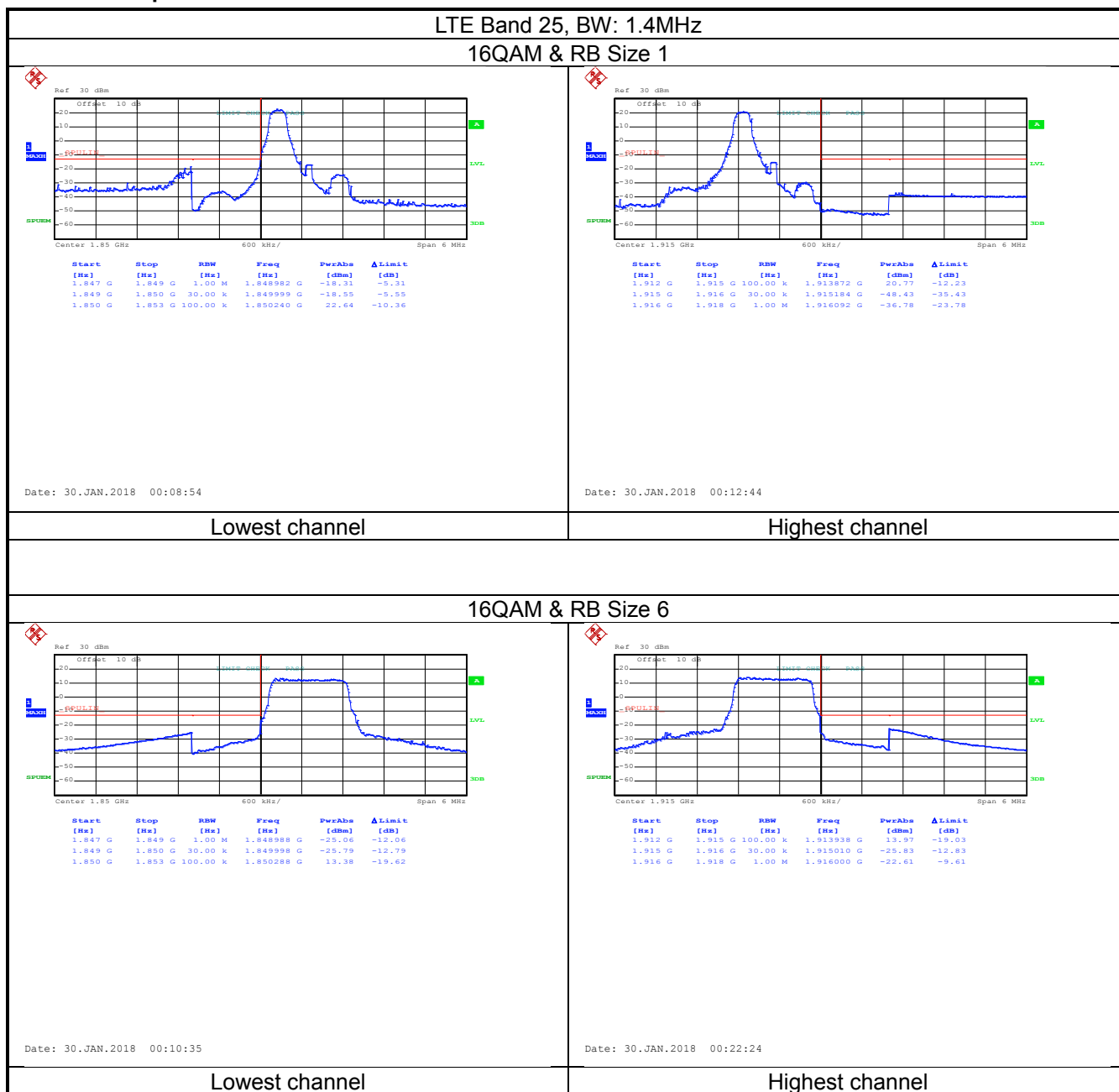
Lowest channel



Date: 29.JAN.2018 09:18:22

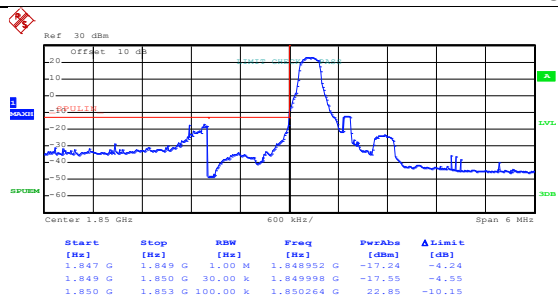
Highest channel

LTE band 25 part:



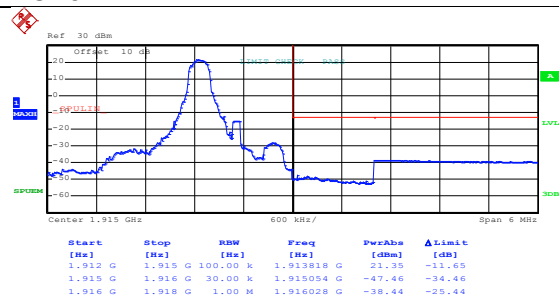
LTE Band 25, BW: 1.4MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:08:29

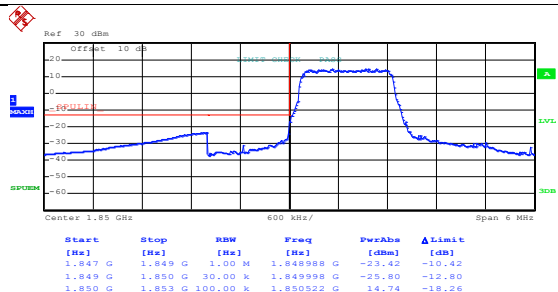
Lowest channel



Date: 30.JAN.2018 00:12:31

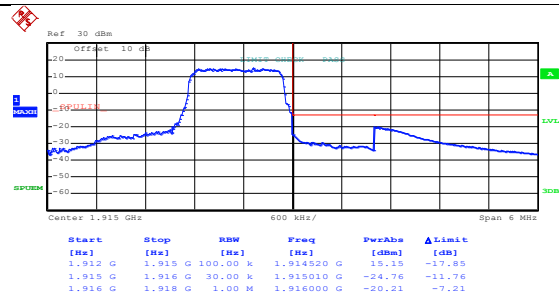
Highest channel

QPSK & RB Size 6



Date: 30.JAN.2018 00:10:22

Lowest channel

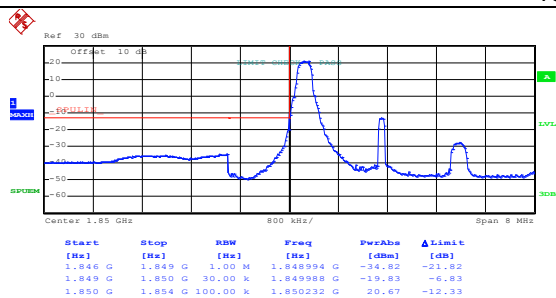


Date: 30.JAN.2018 00:21:56

Highest channel

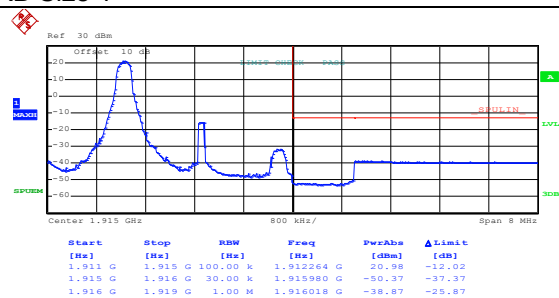
LTE Band 25, BW: 3 MHz

16QAM & RB Size 1



Date: 30.JAN.2018 00:23:46

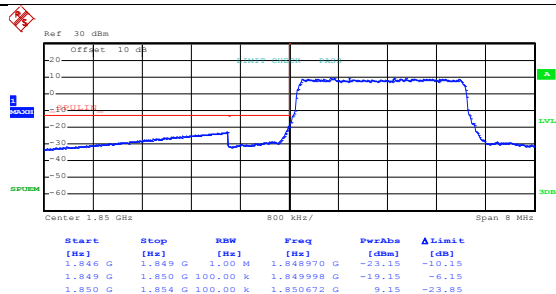
Lowest channel



Date: 30.JAN.2018 00:26:38

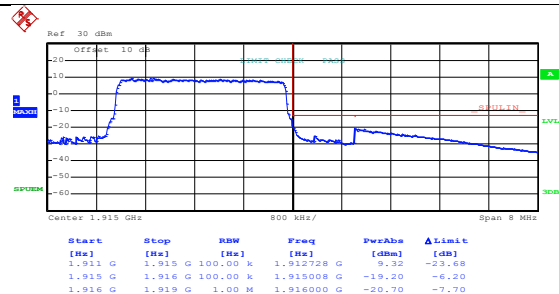
Highest channel

16QAM & RB Size 15



Date: 30.JAN.2018 00:25:28

Lowest channel

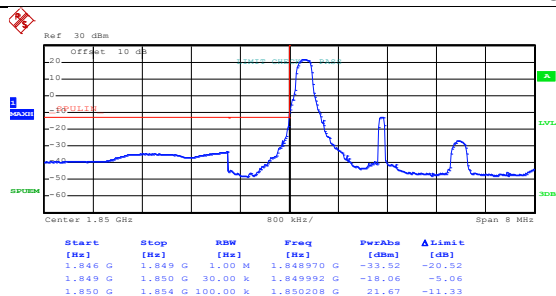


Date: 30.JAN.2018 00:28:10

Highest channel

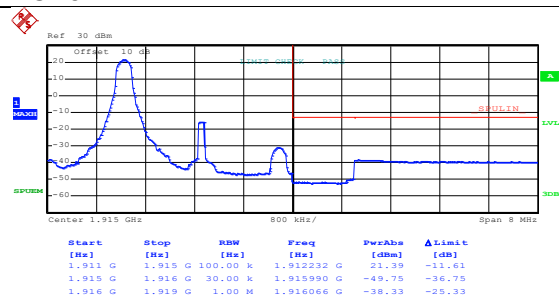
LTE Band 25, BW: 3 MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:23:22

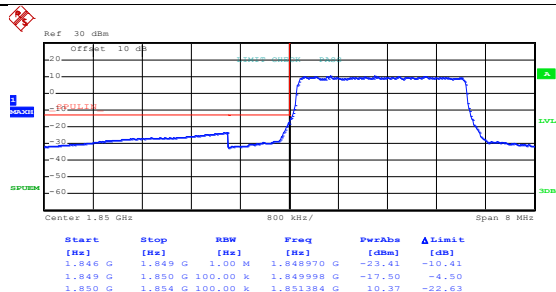
Lowest channel



Date: 30.JAN.2018 00:26:25

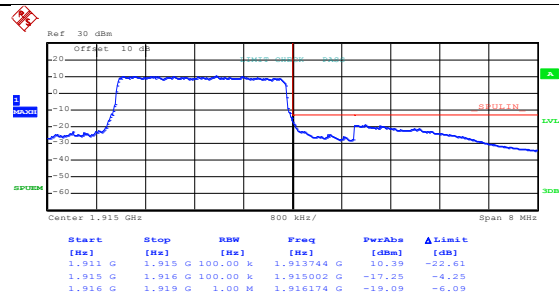
Highest channel

QPSK & RB Size 15



Date: 30.JAN.2018 00:25:15

Lowest channel

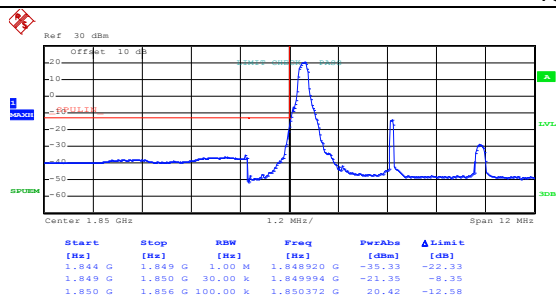


Date: 30.JAN.2018 00:27:58

Highest channel

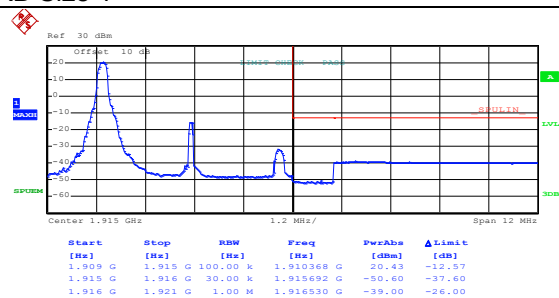
LTE Band 25, BW: 5 MHz

16QAM & RB Size 1



Date: 30.JAN.2018 00:29:55

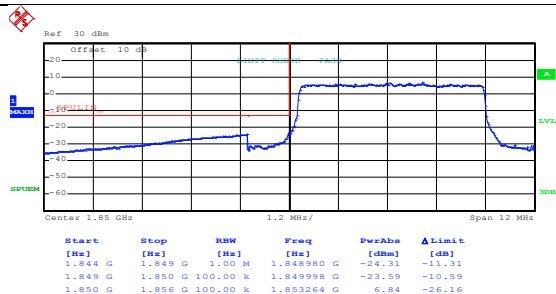
Lowest channel



Date: 30.JAN.2018 00:33:31

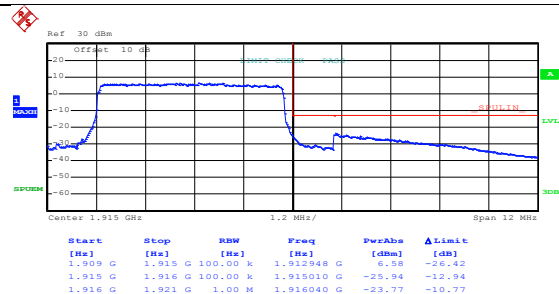
Highest channel

16QAM & RB Size 25



Date: 30.JAN.2018 00:31:07

Lowest channel

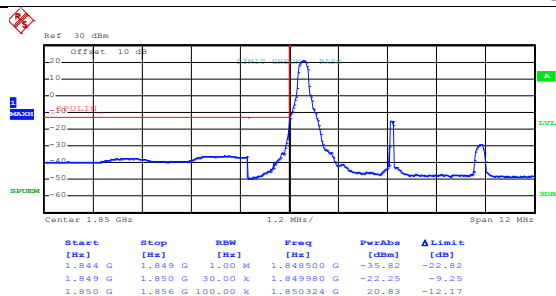


Date: 30.JAN.2018 00:35:15

Highest channel

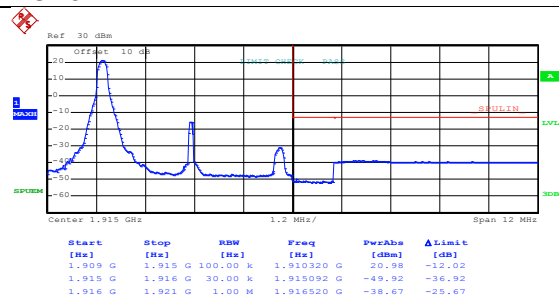
LTE Band 25, BW: 5 MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:29:42

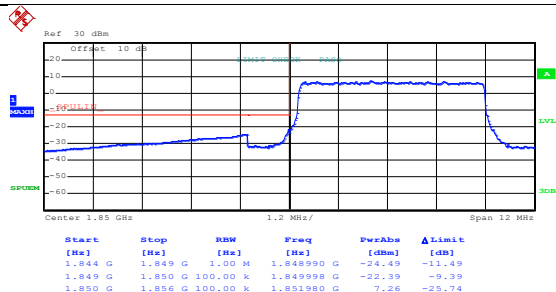
Lowest channel



Date: 30.JAN.2018 00:33:19

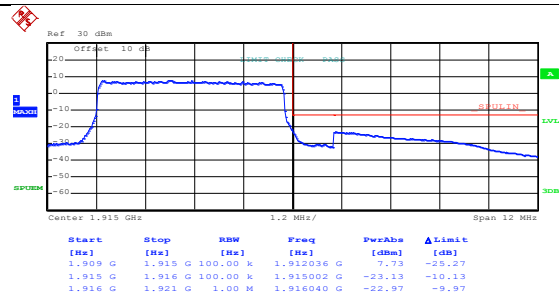
Highest channel

QPSK & RB Size 25



Date: 30.JAN.2018 00:30:55

Lowest channel

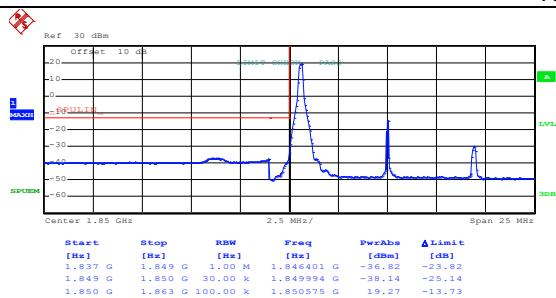


Date: 30.JAN.2018 00:35:03

Highest channel

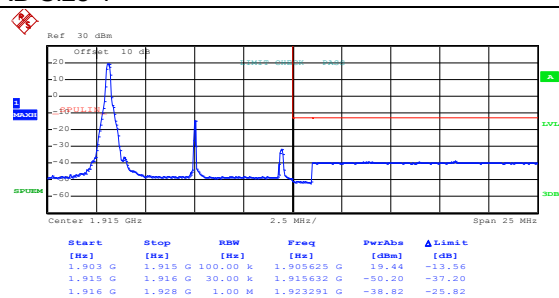
LTE Band 25, BW: 10MHz

16QAM & RB Size 1



Date: 30.JAN.2018 00:40:39

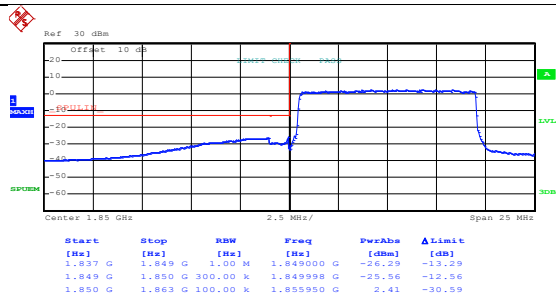
Lowest channel



Date: 30.JAN.2018 00:43:22

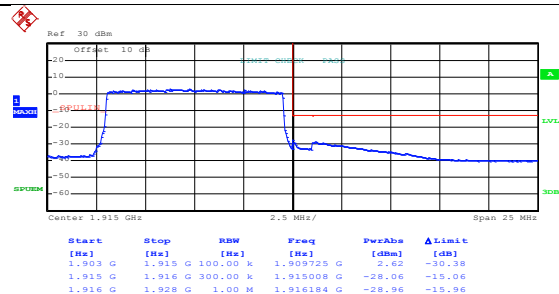
Highest channel

16QAM & RB Size 50



Date: 30.JAN.2018 00:42:20

Lowest channel

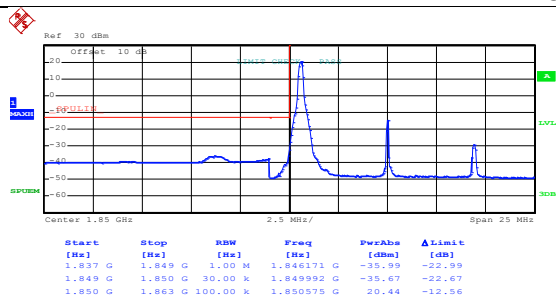


Date: 30.JAN.2018 00:44:26

Highest channel

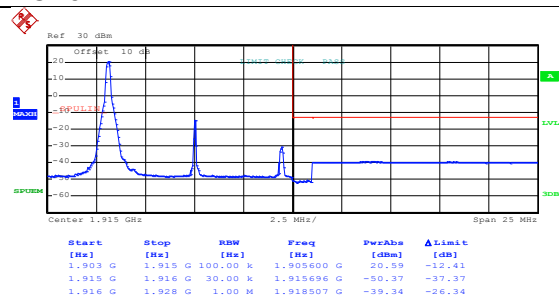
LTE Band 25, BW: 10MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:40:26

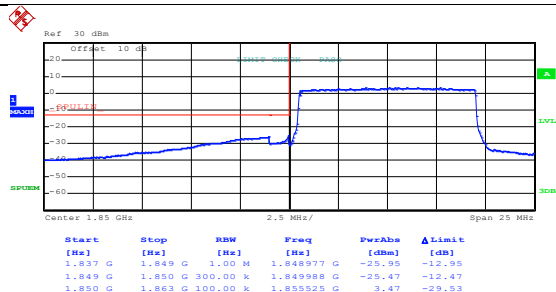
Lowest channel



Date: 30.JAN.2018 00:43:07

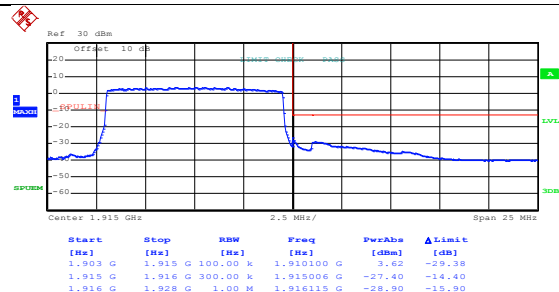
Highest channel

QPSK & RB Size 50



Date: 30.JAN.2018 00:42:01

Lowest channel

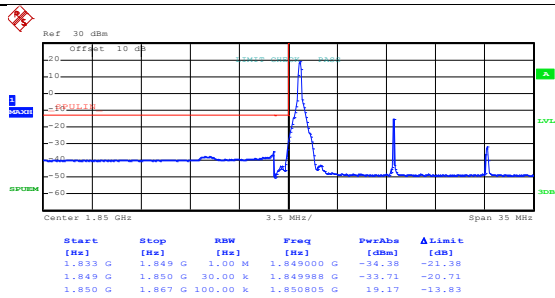


Date: 30.JAN.2018 00:44:13

Highest channel

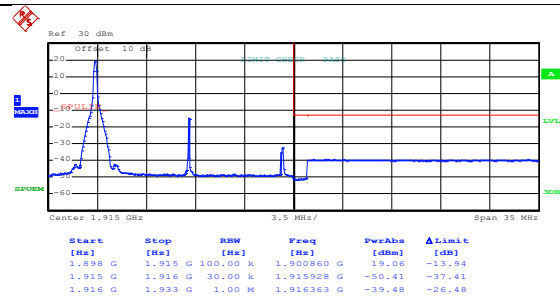
LTE Band 25, BW: 15 MHz

16QAM & RB Size 1



Date: 30.JAN.2018 00:45:50

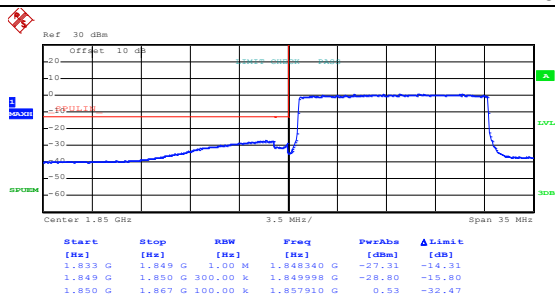
Lowest channel



Date: 30.JAN.2018 00:47:53

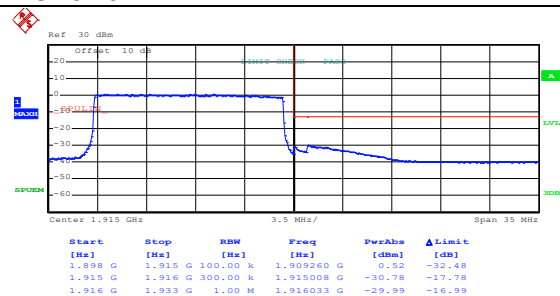
Highest channel

16QAM & RB Size 75



Date: 30.JAN.2018 00:46:52

Lowest channel

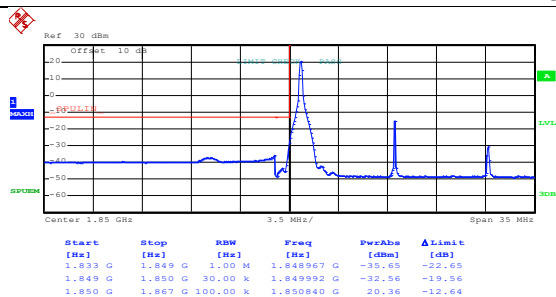


Date: 30.JAN.2018 00:49:35

Highest channel

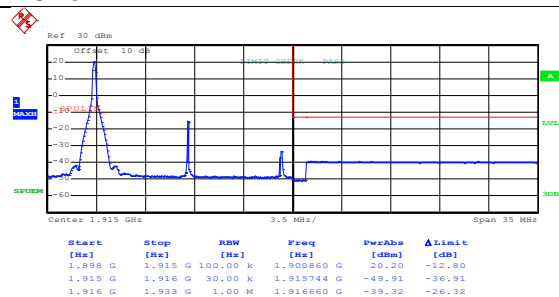
LTE Band 25, BW: 15 MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:45:37

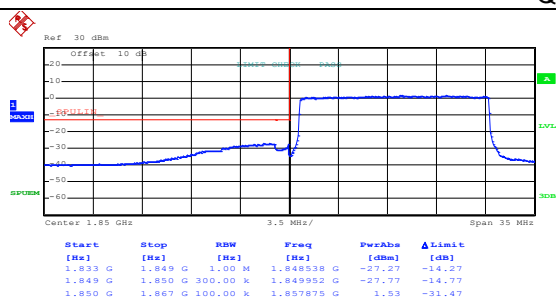
Lowest channel



Date: 30.JAN.2018 00:47:41

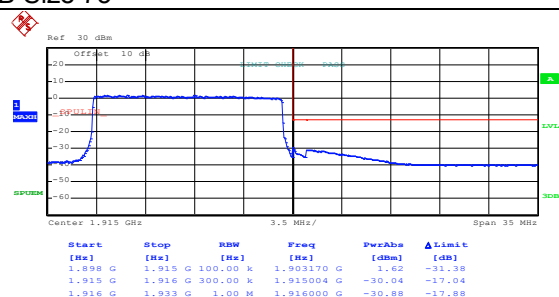
Highest channel

QPSK & RB Size 75



Date: 30.JAN.2018 00:46:39

Lowest channel

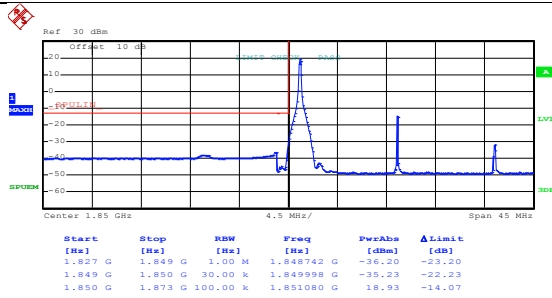


Date: 30.JAN.2018 00:49:22

Highest channel

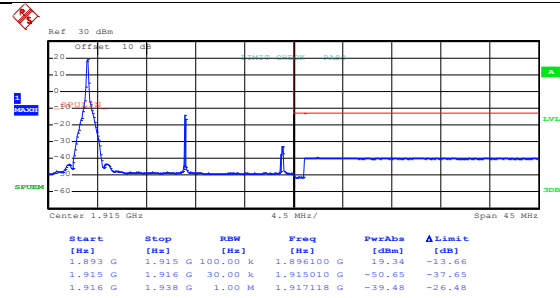
LTE Band 25, BW: 20 MHz

16QAM & RB Size 1



Date: 30.JAN.2018 00:53:15

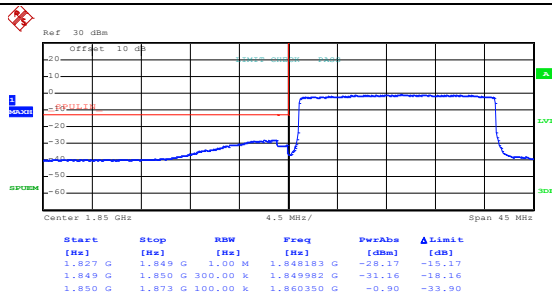
Lowest channel



Date: 30.JAN.2018 00:57:44

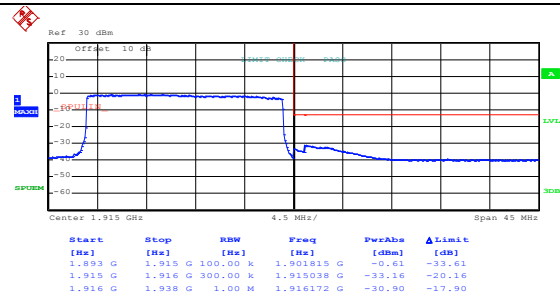
Highest channel

16QAM & RB Size 100



Date: 30.JAN.2018 00:56:47

Lowest channel

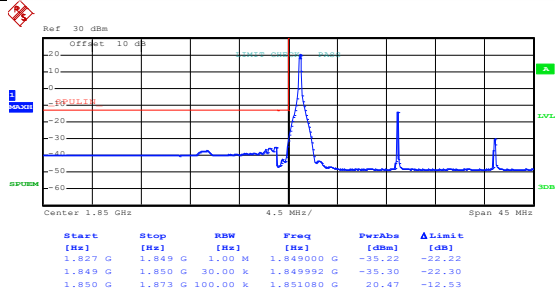


Date: 30.JAN.2018 00:58:55

Highest channel

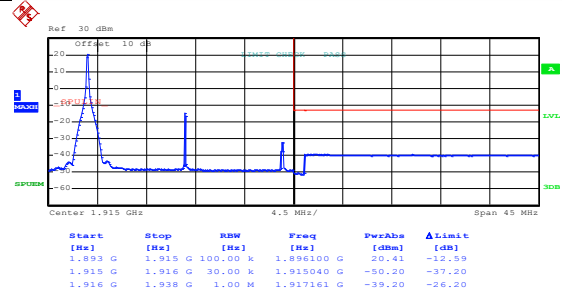
LTE Band 25, BW: 20 MHz

QPSK & RB Size 1



Date: 30.JAN.2018 00:53:01

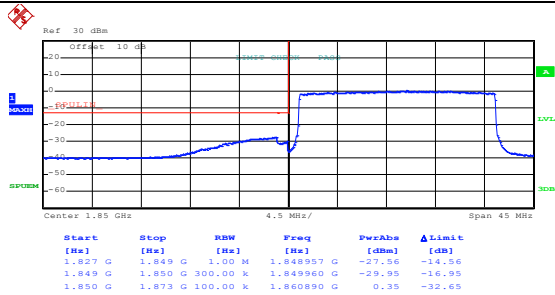
Lowest channel



Date: 30.JAN.2018 00:57:31

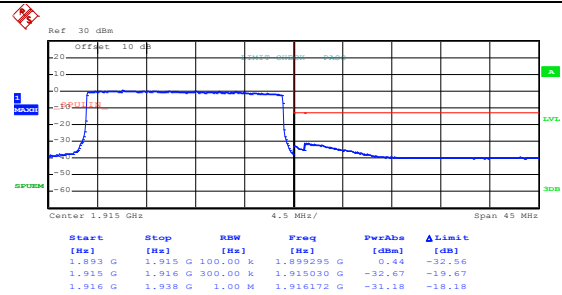
Highest channel

QPSK & RB Size 100



Date: 30.JAN.2018 00:56:34

Lowest channel



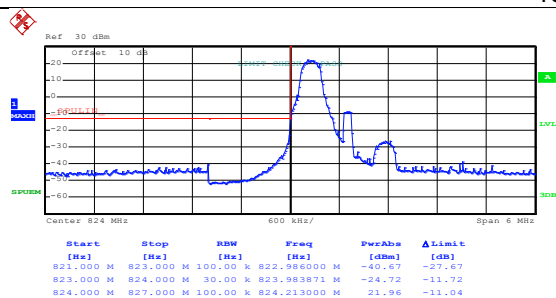
Date: 30.JAN.2018 00:58:43

Highest channel

LTE Band 5&26 (part 22H):

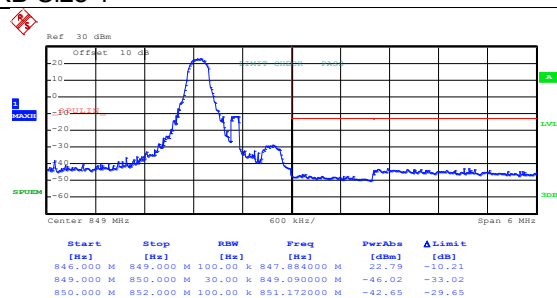
LTE Band 5&26(part V), BW: 1.4 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:21:22

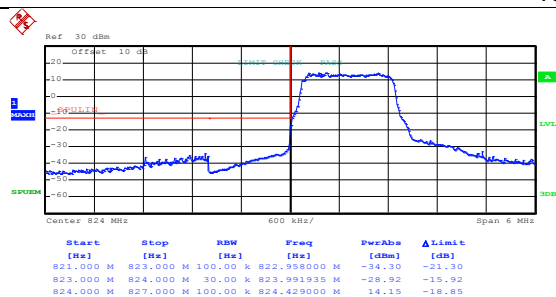
Lowest channel



Date: 30.JAN.2018 01:23:27

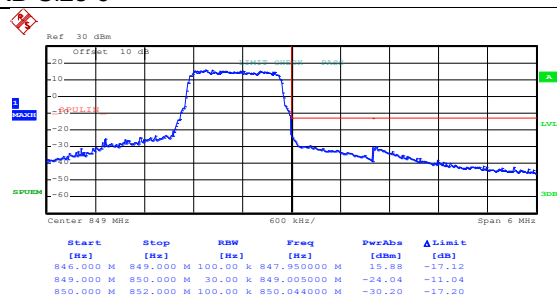
Highest channel

16QAM & RB Size 6



Date: 13.APR.2018 22:21:38

Lowest channel

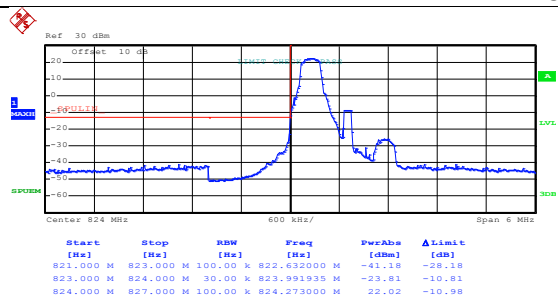


Date: 30.JAN.2018 01:24:36

Highest channel

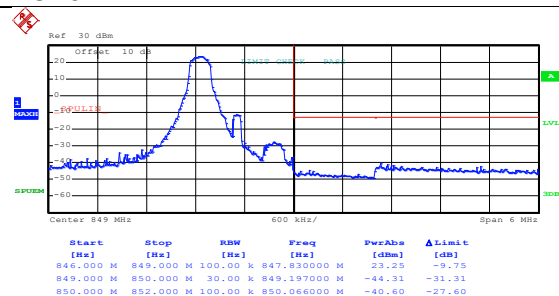
LTE Band 5&26(part 22H), BW: 1.4 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:21:12

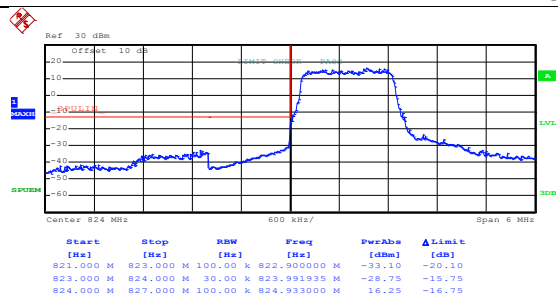
Lowest channel



Date: 30.JAN.2018 01:23:14

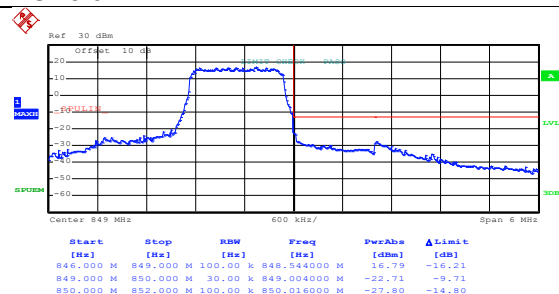
Highest channel

QPSK & RB Size 6



Date: 13.APR.2018 22:21:31

Lowest channel

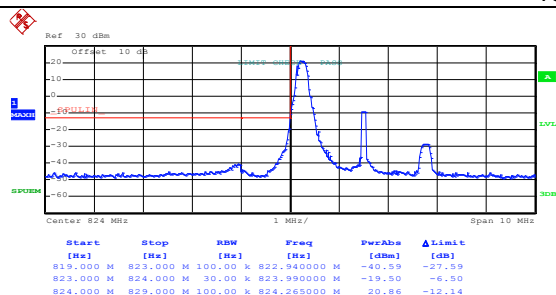


Date: 30.JAN.2018 01:24:19

Highest channel

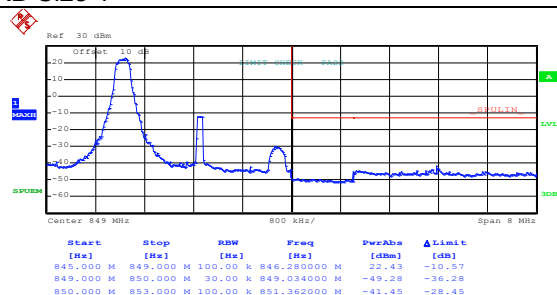
LTE Band 5&26(part 22H), BW: 3 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:19:27

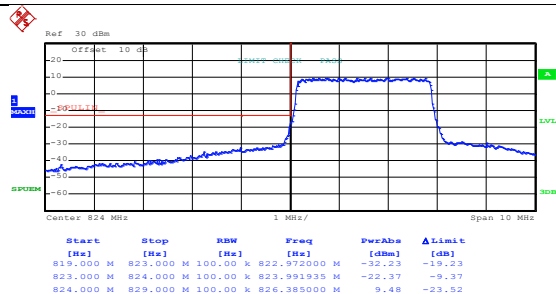
Lowest channel



Date: 30.JAN.2018 04:40:02

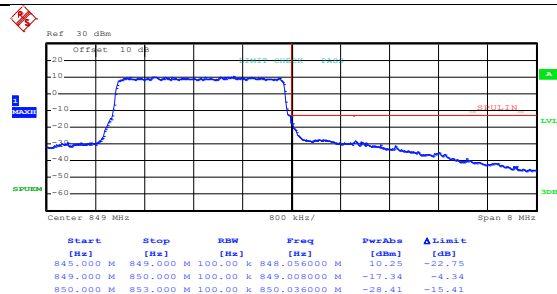
Highest channel

16QAM & RB Size 15



Date: 13.APR.2018 22:19:59

Lowest channel

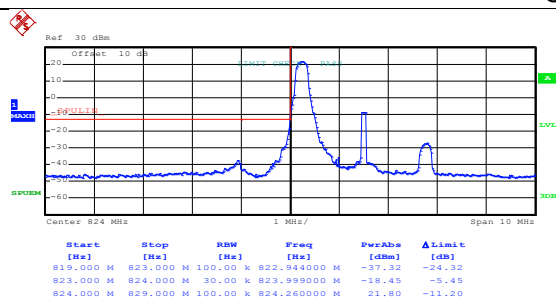


Date: 30.JAN.2018 04:50:06

Highest channel

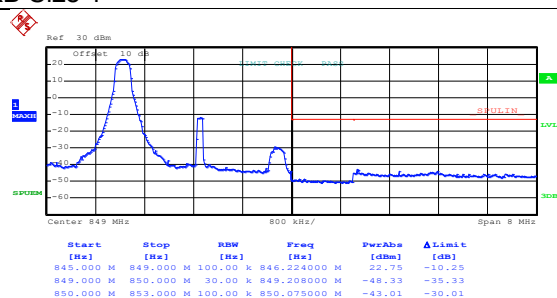
LTE Band 5&26(part 22H), BW: 3 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:19:18

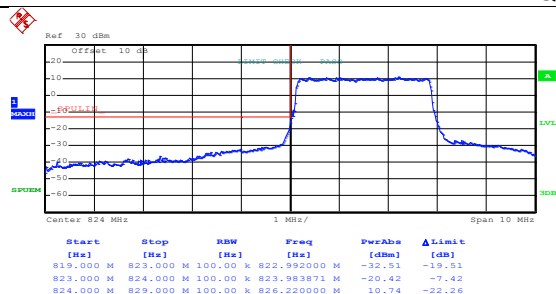
Lowest channel



Date: 30.JAN.2018 04:39:48

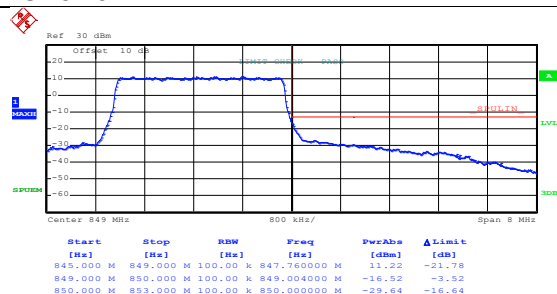
Highest channel

QPSK & RB Size 15



Date: 13.APR.2018 22:19:54

Lowest channel

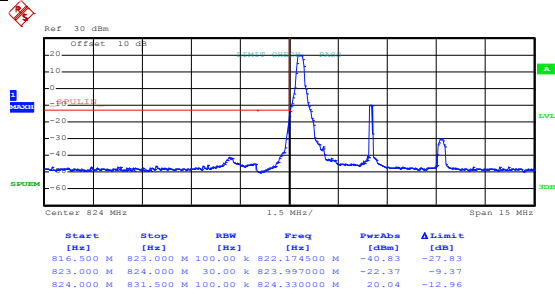


Date: 30.JAN.2018 04:49:52

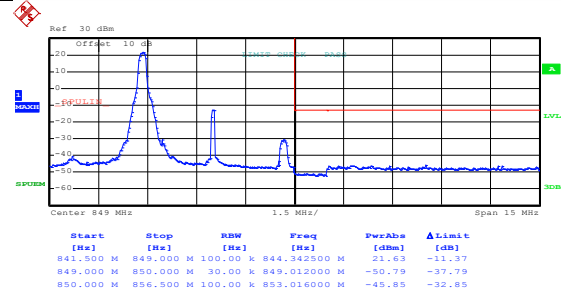
Highest channel

LTE Band 5&26(part 22H), BW: 5 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:14:42

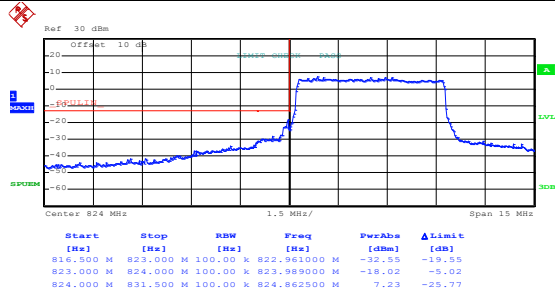


Date: 30.JAN.2018 04:46:46

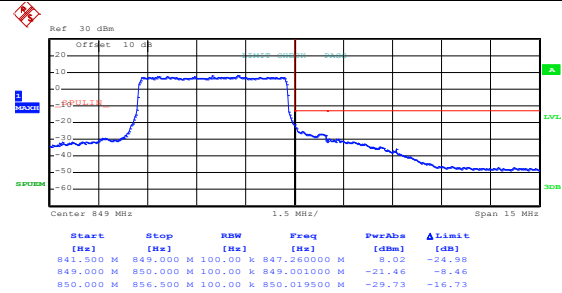
Lowest channel

Highest channel

16QAM & RB Size 25



Date: 13.APR.2018 22:15:07



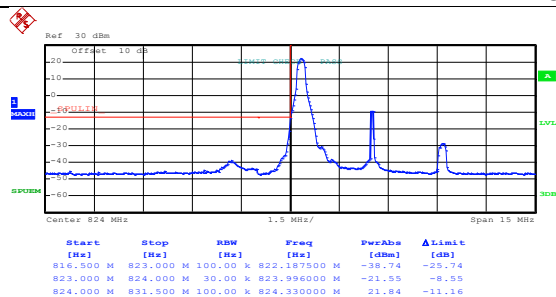
Date: 30.JAN.2018 04:48:19

Lowest channel

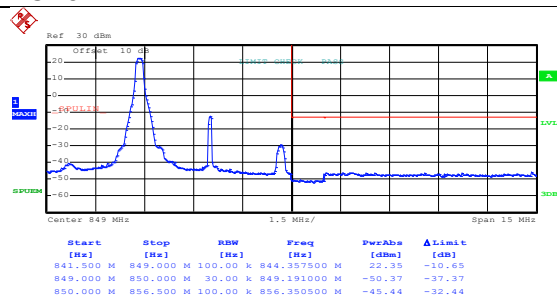
Highest channel

LTE Band 5&26(part 22H), BW: 5 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:14:29

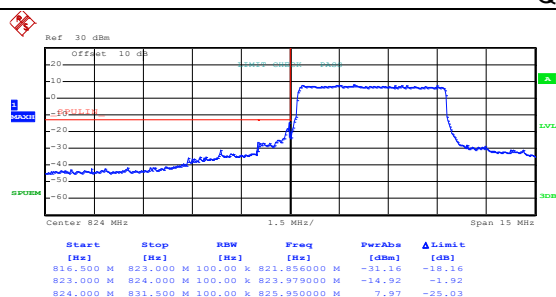


Date: 30.JAN.2018 04:46:33

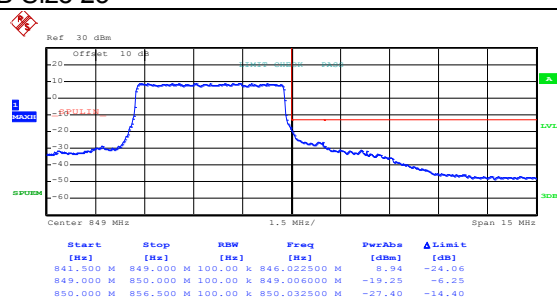
Lowest channel

Highest channel

QPSK & RB Size 25



Date: 13.APR.2018 22:15:02



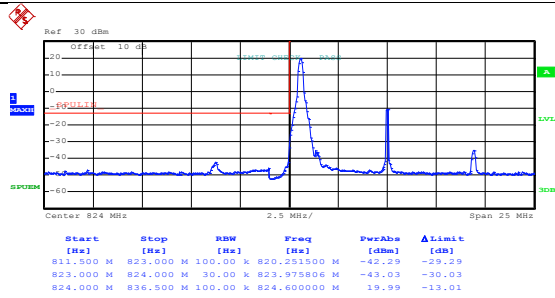
Date: 30.JAN.2018 04:48:06

Lowest channel

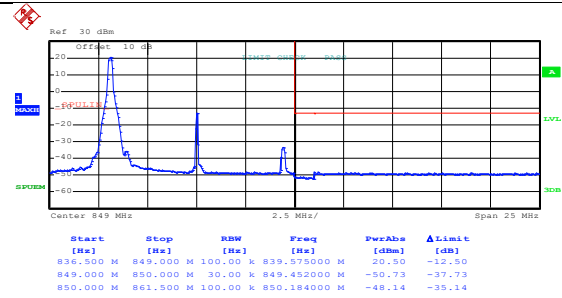
Highest channel

LTE Band 5&26(part 22H), BW: 10 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:22:28

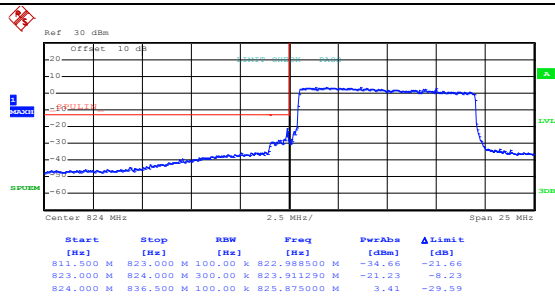


Date: 30.JAN.2018 04:55:58

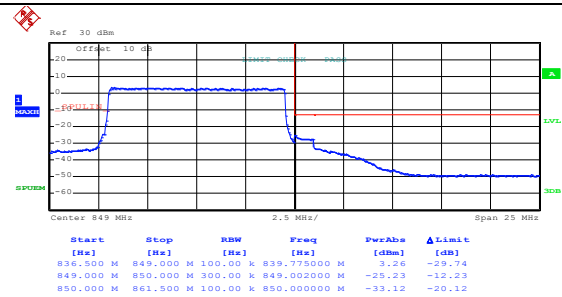
Lowest channel

Highest channel

16QAM & RB Size 50



Date: 13.APR.2018 22:22:45



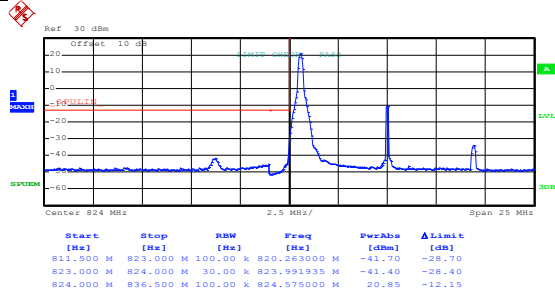
Date: 30.JAN.2018 04:56:55

Lowest channel

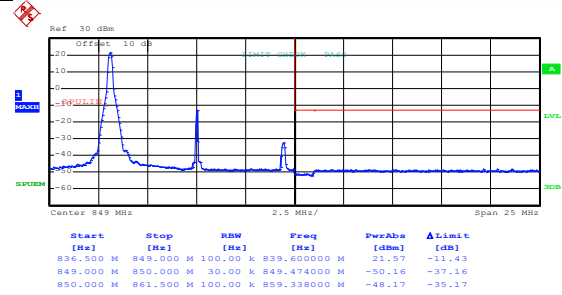
Highest channel

LTE Band 5&26(part 22H), BW: 10 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:22:22

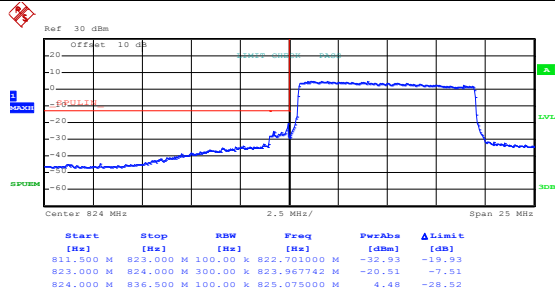


Date: 30.JAN.2018 04:55:38

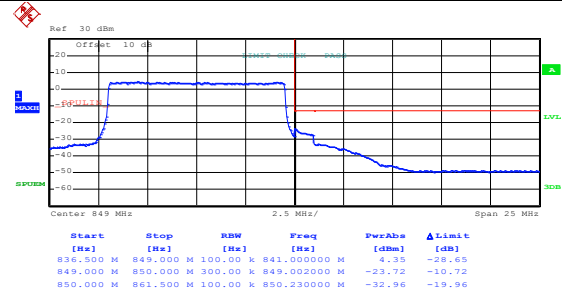
Lowest channel

Highest channel

QPSK & RB Size 50



Date: 13.APR.2018 22:22:39



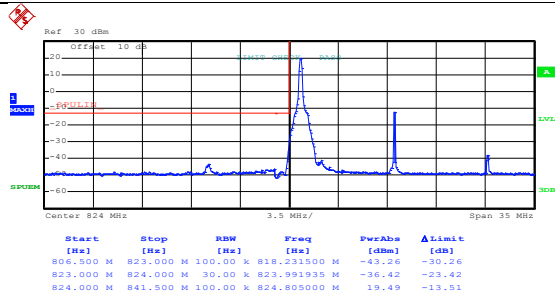
Date: 30.JAN.2018 04:56:43

Lowest channel

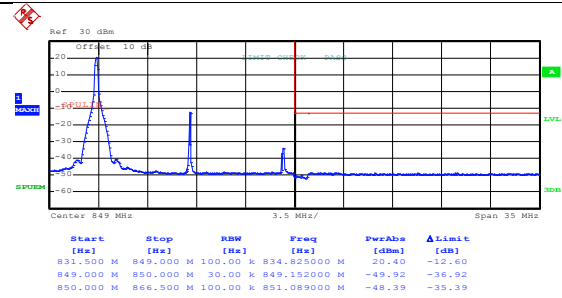
Highest channel

LTE Band 26(part 22H), BW: 15 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:24:03

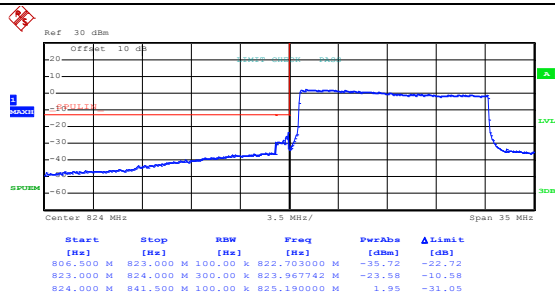


Date: 30.JAN.2018 05:01:56

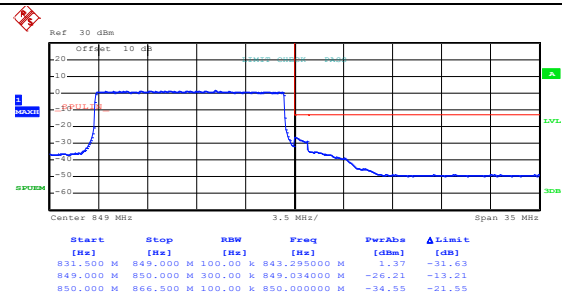
Lowest channel

Highest channel

16QAM & RB Size 75



Date: 13.APR.2018 22:23:44



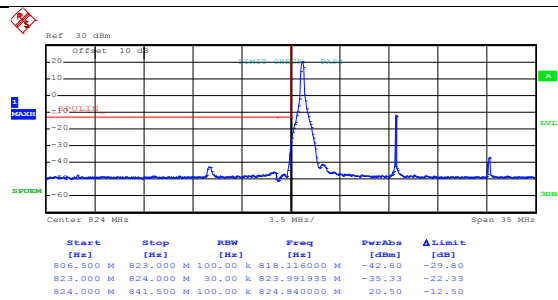
Date: 30.JAN.2018 05:04:32

Lowest channel

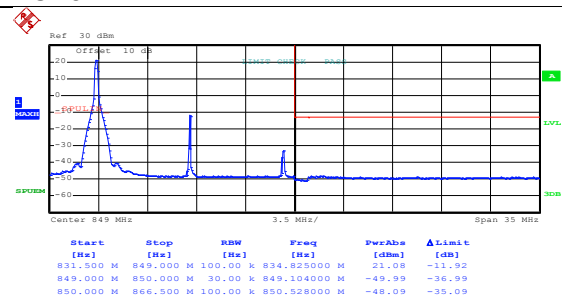
Highest channel

LTE Band 26(part 22H), BW: 15 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:23:57

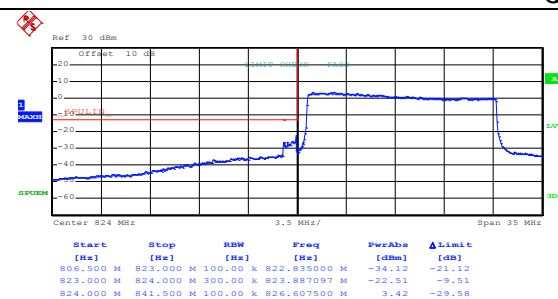


Date: 30.JAN.2018 05:01:40

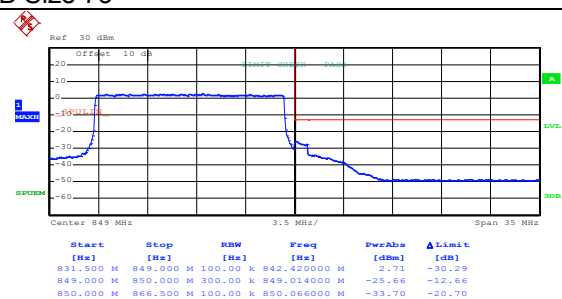
Lowest channel

Highest channel

QPSK & RB Size 75



Date: 13.APR.2018 22:23:36



Date: 30.JAN.2018 05:03:55

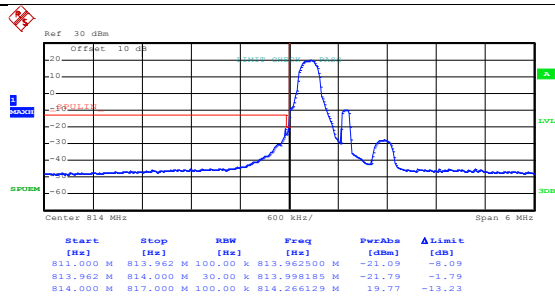
Lowest channel

Highest channel

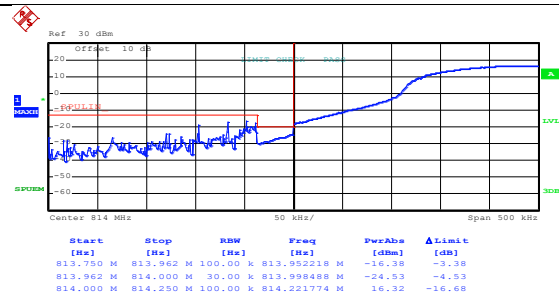
LTE band 26(part 90S):

LTE Band 26(part 90S), BW: 1.4 MHz

16QAM & RB Size 1



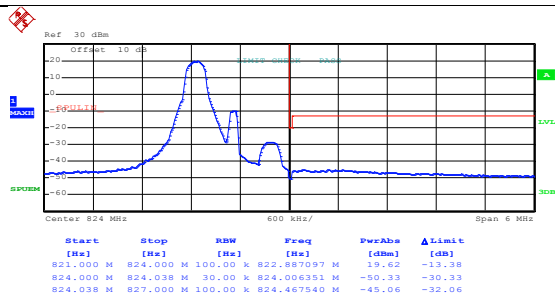
Date: 3.MAY.2018 16:58:47



Date: 3.MAY.2018 17:35:00

Lowest channel

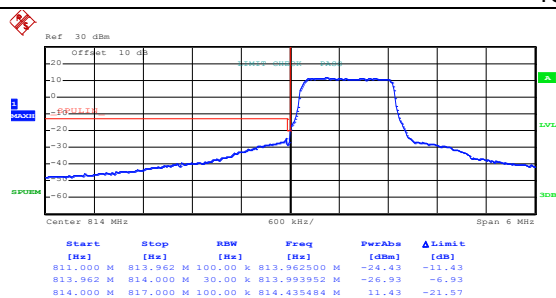
Lowest channel



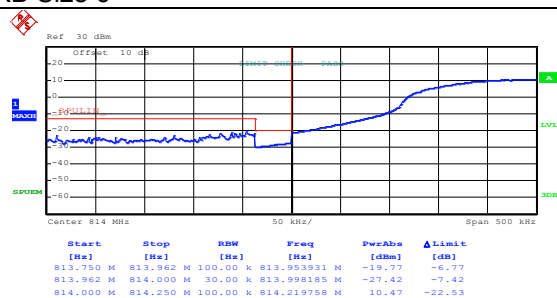
Date: 13.APR.2018 22:55:27

Highest channel

16QAM & RB Size 6

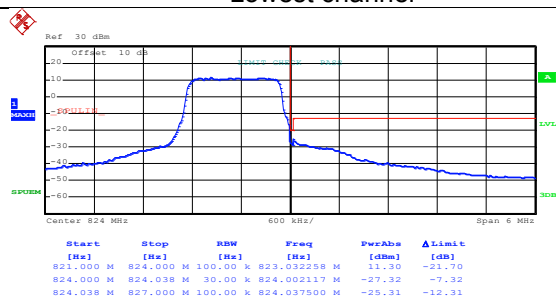


Date: 3.MAY.2018 16:59:31



Date: 3.MAY.2018 17:21:25

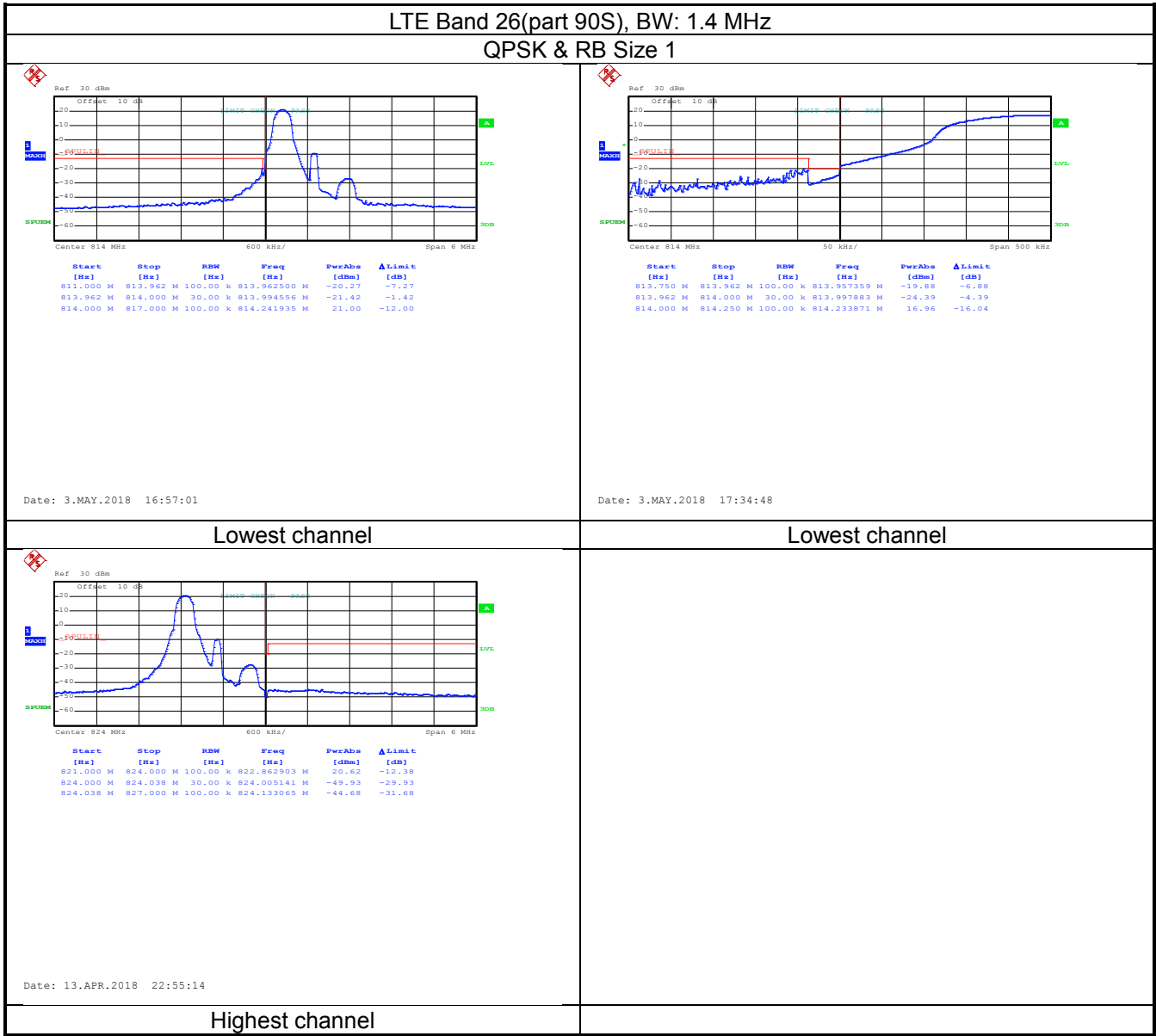
Lowest channel



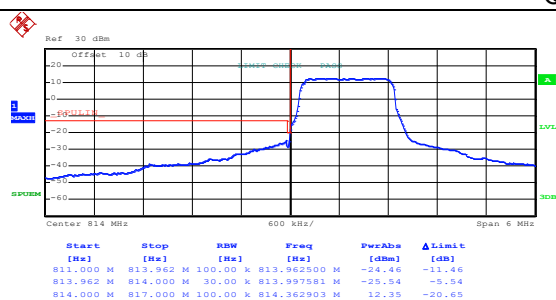
Date: 13.APR.2018 22:55:44

Lowest channel

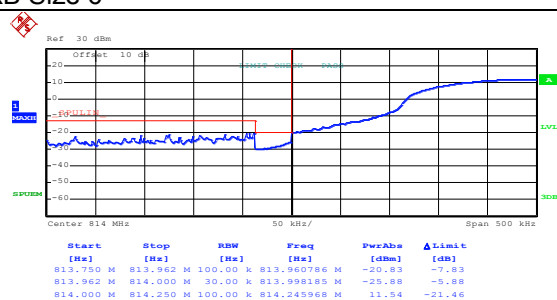
Highest channel



QPSK & RB Size 6

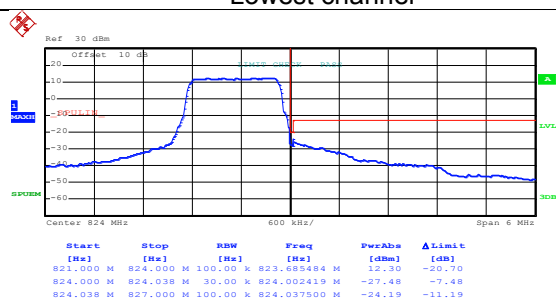


Date: 3.MAY.2018 16:59:12



Date: 3.MAY.2018 17:21:38

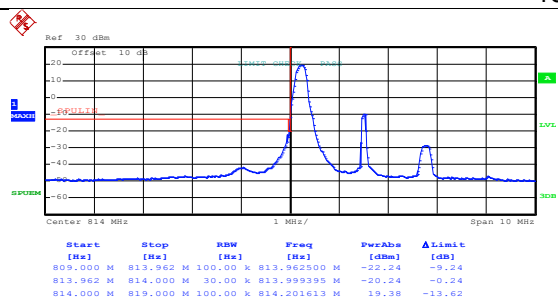
Lowest channel



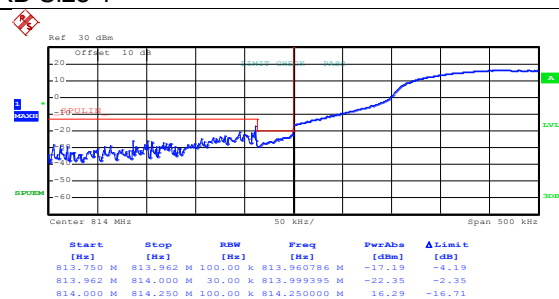
Date: 13.APR.2018 22:55:35

Lowest channel

Highest channel

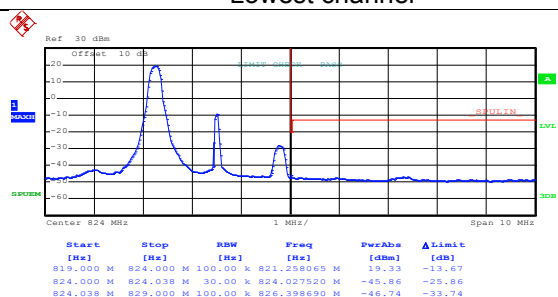
LTE Band 26(part 90S), BW: 3 MHz
16QAM & RB Size 1

Date: 3.MAY.2018 17:02:12



Date: 3.MAY.2018 17:38:00

Lowest channel

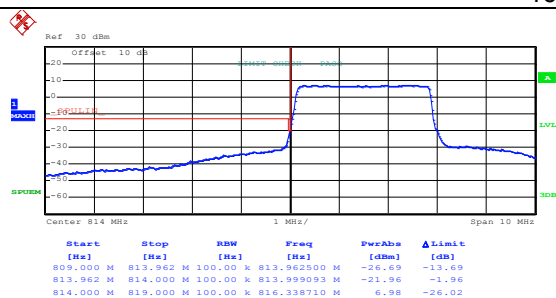


Date: 13.APR.2018 22:52:04

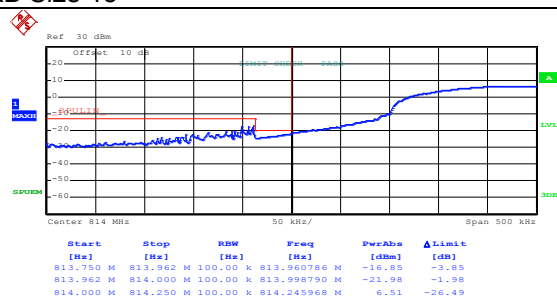
Lowest channel

Highest channel

16QAM & RB Size 15

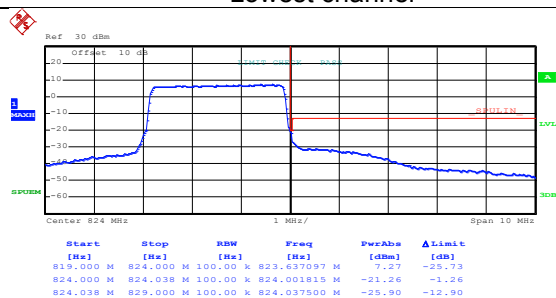


Date: 3.MAY.2018 17:03:10



Date: 3.MAY.2018 17:17:48

Lowest channel



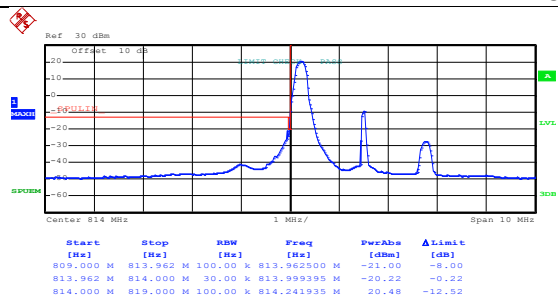
Date: 13.APR.2018 22:52:34

Lowest channel

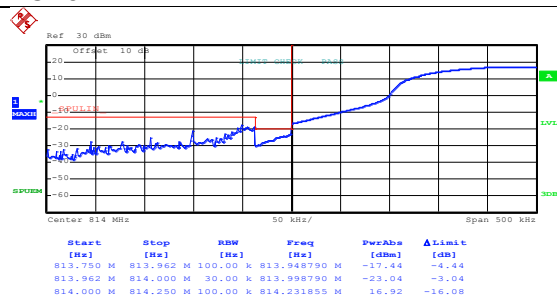
Highest channel

LTE Band 26(part 90S), BW: 3 MHz

QPSK & RB Size 1

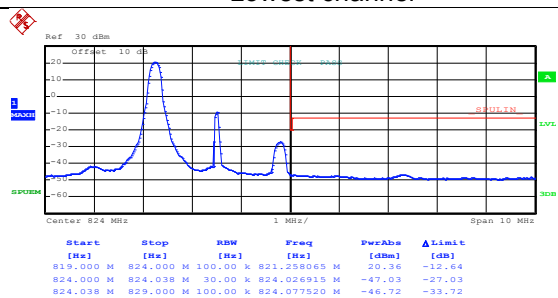


Date: 3.MAY.2018 17:01:45



Date: 3.MAY.2018 17:30:36

Lowest channel

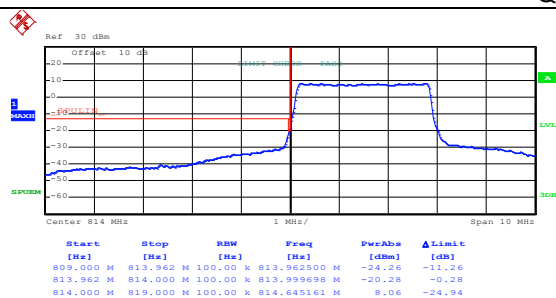


Date: 13.APR.2018 22:51:49

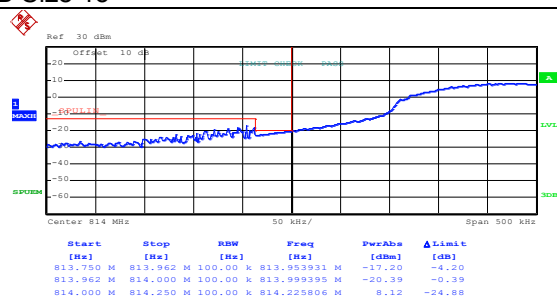
Lowest channel

Highest channel

QPSK & RB Size 15

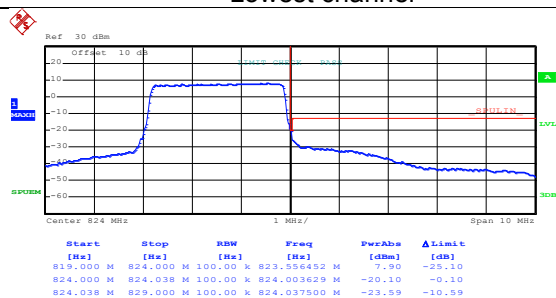


Date: 3.MAY.2018 17:02:50



Date: 3.MAY.2018 17:17:28

Lowest channel

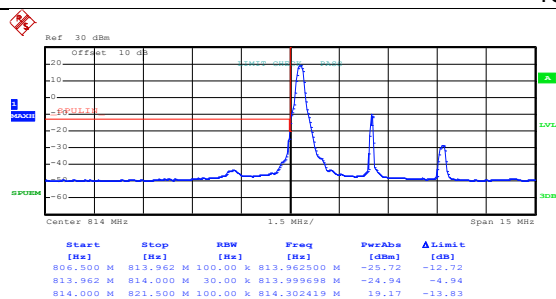


Date: 13.APR.2018 22:52:29

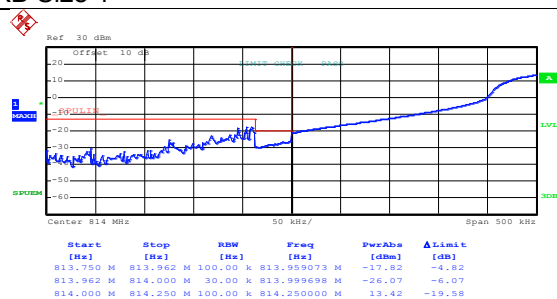
Lowest channel

Highest channel

LTE Band 26(part 90S), BW: 5 MHz 16QAM & RB Size 1

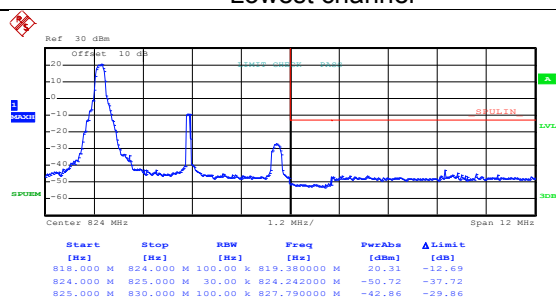


Date: 3.MAY.2018 17:05:22



Date: 3.MAY.2018 17:33:52

Lowest channel

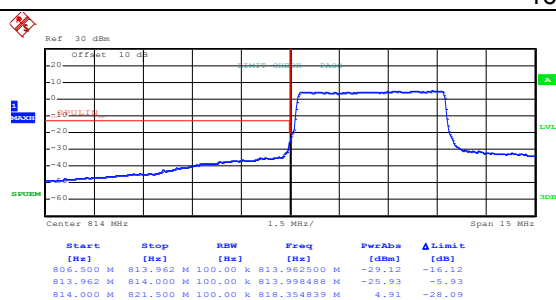


Date: 13.APR.2018 22:27:07

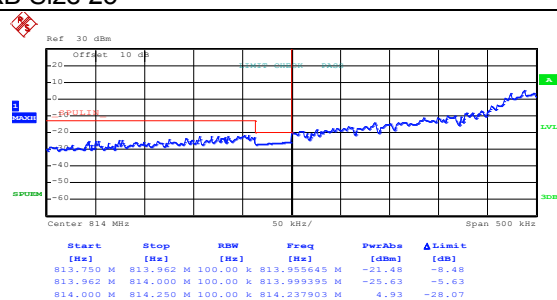
Lowest channel

Highest channel

16QAM & RB Size 25

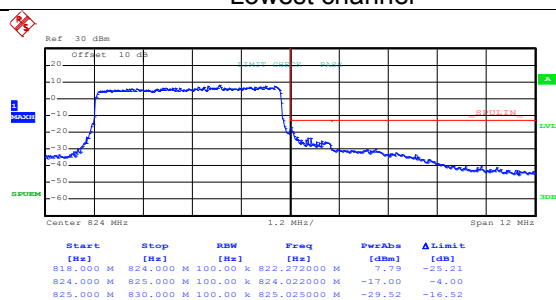


Date: 3.MAY.2018 17:06:08



Date: 3.MAY.2018 17:15:05

Lowest channel



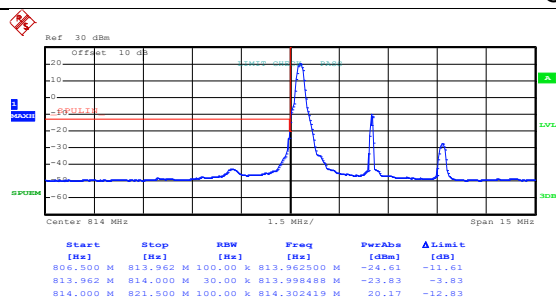
Date: 13.APR.2018 22:27:27

Lowest channel

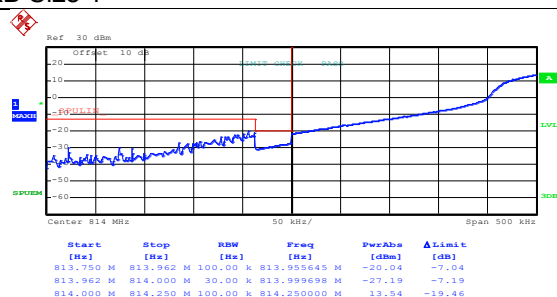
Highest channel

LTE Band 26(part 90S), BW: 5 MHz

QPSK & RB Size 1

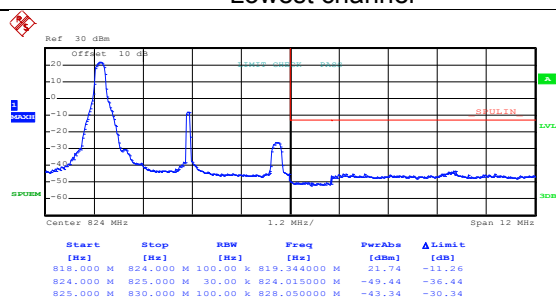


Date: 3.MAY.2018 17:04:54



Date: 3.MAY.2018 17:33:38

Lowest channel

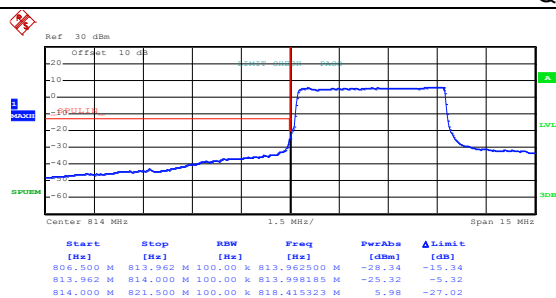


Date: 13.APR.2018 22:26:57

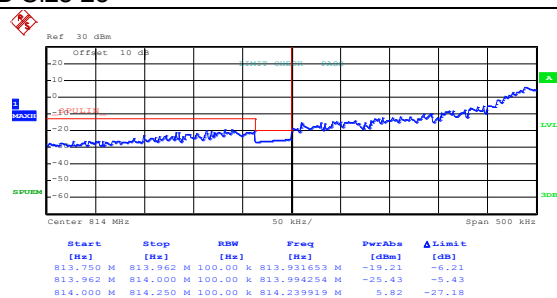
Lowest channel

Highest channel

QPSK & RB Size 25

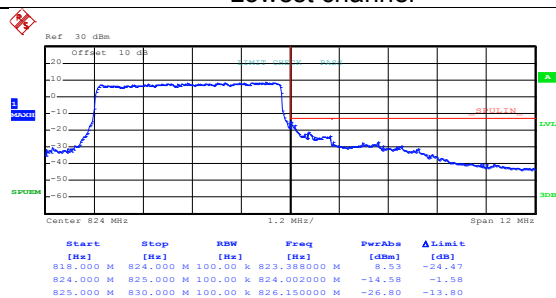


Date: 3.MAY.2018 17:05:50



Date: 3.MAY.2018 17:14:51

Lowest channel



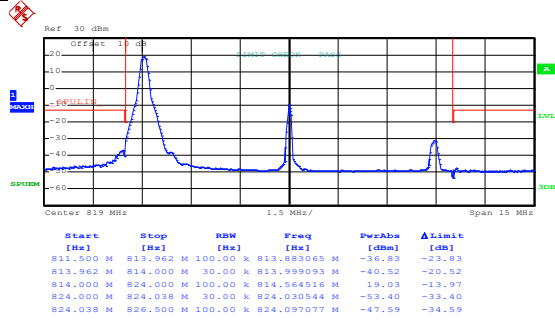
Date: 13.APR.2018 22:27:23

Lowest channel

Highest channel

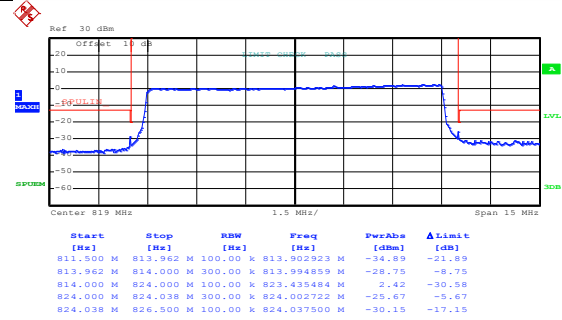
LTE Band 26(part 90S), BW: 10 MHz

16QAM & RB Size 1



Date: 13.APR.2018 22:57:44

16QAM & RB Size 50



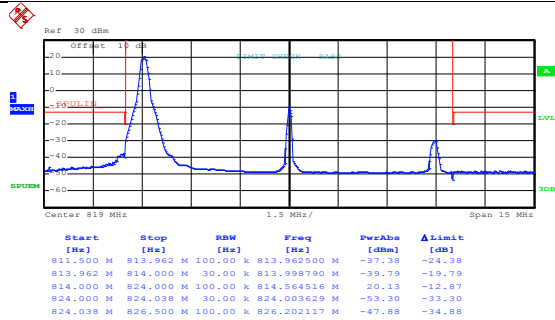
Date: 13.APR.2018 22:58:07

Lowest channel

Lowest channel

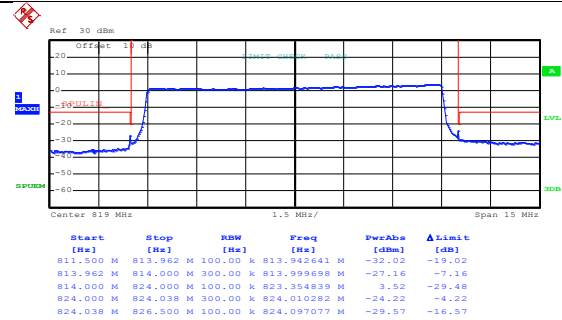
LTE Band 26(part 90S), BW: 10 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:57:29

QPSK & RB Size 50



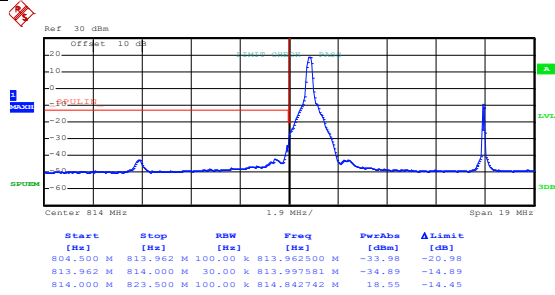
Date: 13.APR.2018 22:58:00

Lowest channel

Lowest channel

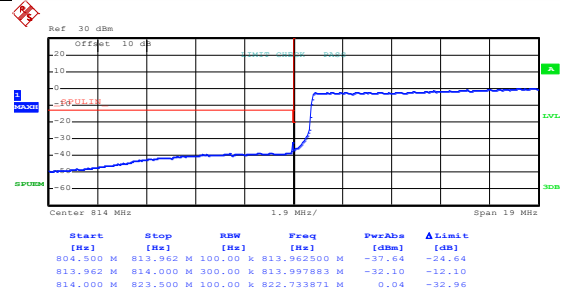
LTE Band 26(part 90S), BW: 15 MHz

16QAM & RB Size 1



Date: 13.APR.2018 23:00:03

16QAM & RB Size 75



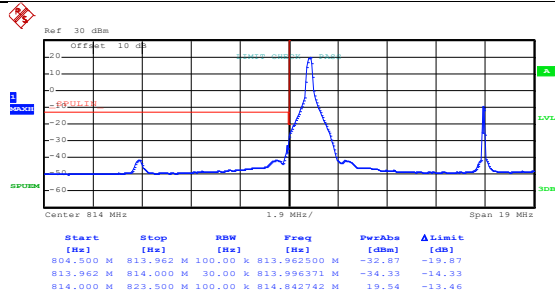
Date: 13.APR.2018 22:59:25

Lowest channel

Lowest channel

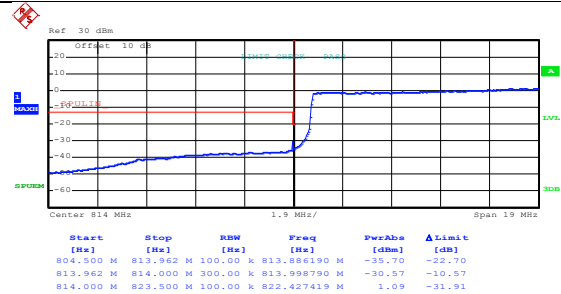
LTE Band 26(part 90S), BW: 15 MHz

QPSK & RB Size 1



Date: 13.APR.2018 22:59:56

QPSK & RB Size 75

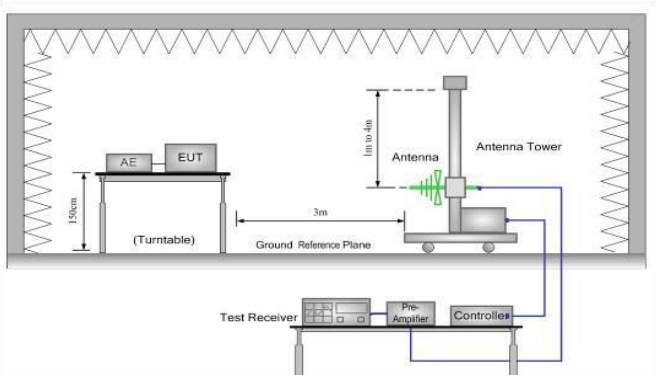
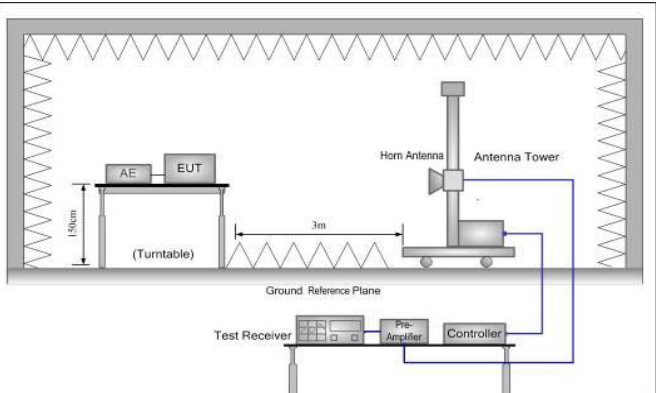


Date: 13.APR.2018 22:59:11

Lowest channel

Lowest channel

6.5 ERP, EIRP Measurement

Test Requirement:	Part 22.913(a)(2), Part 24.232(c), part 27.50(c)(10), Part 27.50(d)(4), Part90.635 (b)
Test Method:	ANSI/TIA-603-D 2010
Limit:	LTE Band 4: 1W, LTE Band 5: 7W, LTE Band 12: 3W, LTE Band 25: 2W, LTE Band 26: 7W (for Part 22H), 100W (for Part 90S)
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP in frequency band below 1GHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows: $ERP = S.G. \text{ output (dBm) + Antenna Gain (dBd) - Cable Loss (dB)}$ 4. EIRP in frequency band above 1GHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $EIRP = S.G. \text{ output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)}$ 5. The worse case was relating to the conducted output power.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

LTE Band 4 part:

LTE Band 4							
BW: 1.4MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1710.70	19957	QPSK	H	V	23.35	30.00	Pass
				H	28.42		
1710.70	19957	16QAM	H	V	24.21		
				H	28.97		
Middle Channel							
1732.50	20175	QPSK	H	V	24.02	30.00	Pass
				H	28.97		
1732.50	20175	16QAM	H	V	24.22		
				H	28.85		
Highest Channel							
1754.30	20393	QPSK	H	V	23.36	30.00	Pass
				H	28.42		
1754.30	20393	16QAM	H	V	23.71		
				H	28.69		
BW: 1.4MHz(RB size 3 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1710.70	19957	QPSK	H	V	22.48	30.00	Pass
				H	28.85		
1710.70	19957	16QAM	H	V	24.37		
				H	28.61		
Middle Channel							
1732.50	20175	QPSK	H	V	23.65	30.00	Pass
				H	28.74		
1732.50	20175	16QAM	H	V	24.36		
				H	28.81		
Highest Channel							
1754.30	20393	QPSK	H	V	22.74	30.00	Pass
				H	27.83		
1754.30	20393	16QAM	H	V	23.41		
				H	28.48		

LTE Band 4							
BW: 1.4MHz(RB size 6 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1710.70	19957	QPSK	H	V	23.43	30.00	Pass
				H	27.96		
1710.70	19957	16QAM	H	V	24.05		
				H	28.51		
Middle Channel							
1732.50	20175	QPSK	H	V	24.13	30.00	Pass
				H	28.84		
1732.50	20175	16QAM	H	V	23.69		
				H	28.37		
Highest Channel							
1754.30	20393	QPSK	H	V	24.20	30.00	Pass
				H	27.93		
1754.30	20393	16QAM	H	V	24.13		
				H	28.17		
BW: 20MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1720.00	20050	QPSK	H	V	21.39	30.00	Pass
				H	28.17		
1720.00	20050	16QAM	H	V	22.04		
				H	28.49		
Middle Channel							
1732.50	20175	QPSK	H	V	21.78	30.00	Pass
				H	27.34		
1732.50	20175	16QAM	H	V	21.81		
				H	28.35		
Highest Channel							
1745.00	20300	QPSK	H	V	21.36	30.00	Pass
				H	27.26		
1745.00	20300	16QAM	H	V	22.03		
				H	28.16		

LTE Band 4							
BW: 20MHz(RB size 50 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1720.00	20050	QPSK	H	V	21.25	30.00	Pass
				H	28.36		
1720.00	20050	16QAM	H	V	22.17		
				H	28.36		
Middle Channel							
1732.50	20175	QPSK	H	V	22.14	30.00	Pass
				H	27.63		
1732.50	20175	16QAM	H	V	21.48		
				H	28.44		
Highest Channel							
1745.00	20300	QPSK	H	V	21.45	30.00	Pass
				H	27.96		
1745.00	20300	16QAM	H	V	22.03		
				H	28.51		
BW: 20MHz(RB size 100 & RB offset 0 for QPSK & RB size 99)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1720.00	20050	QPSK	H	V	21.22	30.00	Pass
				H	28.53		
1720.00	20050	16QAM	H	V	22.10		
				H	28.31		
Middle Channel							
1732.50	20175	QPSK	H	V	22.03	30.00	Pass
				H	28.18		
1732.50	20175	16QAM	H	V	21.67		
				H	28.45		
Highest Channel							
1745.00	20300	QPSK	H	V	22.06	30.00	Pass
				H	27.79		
1745.00	20300	16QAM	H	V	21.15		
				H	28.81		

LTE band 12 part:

LTE Band 12							
BW: 1.4MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
699.70	23017	QPSK	H	V	13.23	34.77	Pass
				H	12.21		
699.70	23017	16QAM	H	V	14.07		
				H	11.56		
Middle Channel							
707.50	23095	QPSK	H	V	13.95	34.77	Pass
				H	12.63		
707.50	23095	16QAM	H	V	14.15		
				H	11.87		
Highest Channel							
715.30	23173	QPSK	H	V	13.37	34.77	Pass
				H	12.31		
715.30	23173	16QAM	H	V	14.03		
				H	12.44		
BW: 1.4MHz(RB size 3 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
699.70	23017	QPSK	H	V	12.17	34.77	Pass
				H	13.23		
699.70	23017	16QAM	H	V	14.06		
				H	12.15		
Middle Channel							
707.50	23095	QPSK	H	V	12.32	34.77	Pass
				H	13.06		
707.50	23095	16QAM	H	V	14.25		
				H	12.07		
Highest Channel							
715.30	23173	QPSK	H	V	13.25	34.77	Pass
				H	12.36		
715.30	23173	16QAM	H	V	14.03		
				H	11.84		

LTE Band 12							
BW: 1.4MHz(RB size 6 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
699.70	23017	QPSK	H	V	12.34	34.77	Pass
				H	13.21		
699.70	23017	16QAM	H	V	12.49		
				H	13.03		
Middle Channel							
707.50	23095	QPSK	H	V	12.53	34.77	Pass
				H	13.36		
707.50	23095	16QAM	H	V	12.25		
				H	13.17		
Highest Channel							
715.30	23173	QPSK	H	V	13.26	34.77	Pass
				H	12.51		
715.30	23173	16QAM	H	V	14.03		
				H	12.11		
BW: 10MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
704.00	23060	QPSK	H	V	13.12	34.77	Pass
				H	12.75		
704.00	23060	16QAM	H	V	14.03		
				H	12.44		
Middle Channel							
707.50	23095	QPSK	H	V	13.25	34.77	Pass
				H	11.41		
707.50	23095	16QAM	H	V	12.84		
				H	12.06		
Highest Channel							
711.00	23130	QPSK	H	V	13.41	34.77	Pass
				H	12.04		
711.00	23130	16QAM	H	V	12.68		
				H	11.42		

LTE Band 12							
BW: 10MHz(RB size 25 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
704.00	23060	QPSK	H	V	13.42	34.77	Pass
				H	12.31		
704.00	23060	16QAM	H	V	14.15		
				H	12.07		
Middle Channel							
707.50	23095	QPSK	H	V	13.25	34.77	Pass
				H	11.47		
707.50	23095	16QAM	H	V	12.69		
				H	12.36		
Highest Channel							
711.00	23130	QPSK	H	V	13.69	34.77	Pass
				H	12.15		
711.00	23130	16QAM	H	V	13.03		
				H	11.69		
BW: 10MHz(RB size 50 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
704.00	23060	QPSK	H	V	13.45	34.77	Pass
				H	11.62		
704.00	23060	16QAM	H	V	14.03		
				H	12.37		
Middle Channel							
707.50	23095	QPSK	H	V	13.65	34.77	Pass
				H	12.02		
707.50	23095	16QAM	H	V	12.86		
				H	11.47		
Highest Channel							
711.00	23130	QPSK	H	V	13.41	34.77	Pass
				H	12.02		
711.00	23130	16QAM	H	V	14.23		
				H	11.47		

LTE band 25 part:

LTE Band 25							
BW: 1.4MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1850.70	26047	QPSK	H	V	21.43	33.00	Pass
				H	25.33		
1850.70	26047	16QAM	H	V	21.71		
				H	25.63		
Middle Channel							
1882.50	26365	QPSK	H	V	21.67	33.00	Pass
				H	25.74		
1882.50	26365	16QAM	H	V	21.93		
				H	24.86		
Highest Channel							
1914.30	26683	QPSK	H	V	21.57	33.00	Pass
				H	25.69		
1914.30	26683	16QAM	H	V	22.01		
				H	24.75		
BW: 1.4MHz(RB size 3 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1850.70	26047	QPSK	H	V	21.42	33.00	Pass
				H	25.69		
1850.70	26047	16QAM	H	V	22.32		
				H	25.07		
Middle Channel							
1882.50	26365	QPSK	H	V	21.53	33.00	Pass
				H	25.81		
1882.50	26365	16QAM	H	V	22.03		
				H	25.16		
Highest Channel							
1914.30	26683	QPSK	H	V	21.39	33.00	Pass
				H	26.24		
1914.30	26683	16QAM	H	V	22.27		
				H	25.53		

LTE Band 25							
BW: 1.4MHz(RB size 6 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1850.70	26047	QPSK	H	V	23.12	33.00	Pass
				H	26.64		
1850.70	26047	16QAM	H	V	22.18		
				H	25.95		
Middle Channel							
1882.50	26365	QPSK	H	V	22.18	33.00	Pass
				H	26.52		
1882.50	26365	16QAM	H	V	21.85		
				H	25.07		
Highest Channel							
1914.30	26683	QPSK	H	V	21.72	33.00	Pass
				H	25.58		
1914.30	26683	16QAM	H	V	21.39		
				H	24.84		
BW: 20MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1860.00	26140	QPSK	H	V	21.21	33.00	Pass
				H	25.01		
1860.00	26140	16QAM	H	V	22.03		
				H	24.86		
Middle Channel							
1882.50	26365	QPSK	H	V	21.39	33.00	Pass
				H	24.82		
1882.50	26365	16QAM	H	V	21.63		
				H	25.03		
Highest Channel							
1905.00	26590	QPSK	H	V	21.23	33.00	Pass
				H	25.42		
1905.00	26590	16QAM	H	V	21.17		
				H	26.54		

LTE Band 25							
BW: 20MHz(RB size 50 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1860.00	26140	QPSK	H	V	21.73	33.00	Pass
				H	25.36		
1860.00	26140	16QAM	H	V	21.24		
				H	25.58		
Middle Channel							
1882.50	26365	QPSK	H	V	22.01	33.00	Pass
				H	25.61		
1882.50	26365	16QAM	H	V	21.59		
				H	24.83		
Highest Channel							
1905.00	26590	QPSK	H	V	22.36	33.00	Pass
				H	25.67		
1905.00	26590	16QAM	H	V	21.24		
				H	25.06		
BW: 20MHz(RB size 100 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Lowest Channel							
1860.00	26140	QPSK	H	V	21.36	33.00	Pass
				H	24.75		
1860.00	26140	16QAM	H	V	22.36		
				H	25.61		
Middle Channel							
1882.50	26365	QPSK	H	V	21.75	33.00	Pass
				H	25.43		
1882.50	26365	16QAM	H	V	22.07		
				H	24.96		
Highest Channel							
1905.00	26590	QPSK	H	V	21.36	33.00	Pass
				H	25.47		
1905.00	26590	16QAM	H	V	23.03		
				H	25.58		

LTE band 5&26(part 22H):

LTE Band 5&26(part 22H)							
BW: 1.4MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
824.70	26797	QPSK	H	V	13.63	38.45	Pass
				H	24.23		
824.70	26797	16QAM	H	V	15.21		
				H	25.36		
Middle Channel							
836.50	26915	QPSK	H	V	14.50	38.45	Pass
				H	24.51		
836.50	26915	16QAM	H	V	14.09		
				H	24.37		
Highest Channel							
848.30	27033	QPSK	H	V	15.63	38.45	Pass
				H	23.71		
848.30	27033	16QAM	H	V	13.36		
				H	25.08		
BW: 1.4MHz(RB size 3 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
824.70	26797	QPSK	H	V	14.26	38.45	Pass
				H	24.17		
824.70	26797	16QAM	H	V	15.36		
				H	24.25		
Middle Channel							
836.50	26915	QPSK	H	V	15.36	38.45	Pass
				H	23.64		
836.50	26915	16QAM	H	V	14.37		
				H	24.20		
Highest Channel							
848.30	27033	QPSK	H	V	14.38	38.45	Pass
				H	23.65		
848.30	27033	16QAM	H	V	15.06		
				H	25.31		

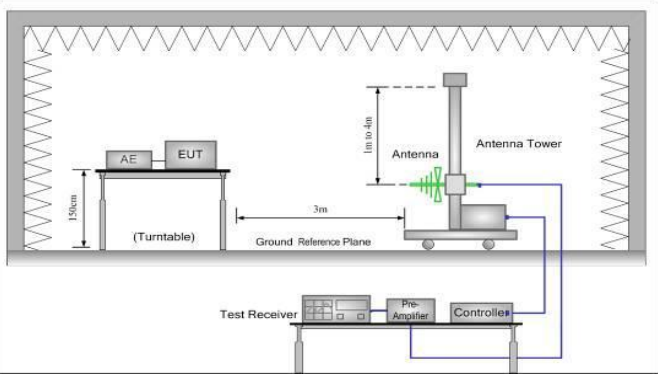
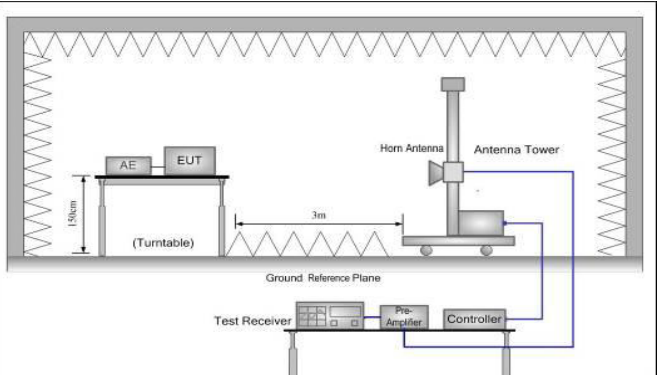
LTE Band 5&26(part 22H)							
BW: 1.4MHz(RB size 6 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
824.70	26797	QPSK	H	V	13.74	38.45	Pass
				H	25.12		
824.70	26797	16QAM	H	V	14.69		
				H	24.63		
Middle Channel							
836.50	26915	QPSK	H	V	14.37	38.45	Pass
				H	22.65		
836.50	26915	16QAM	H	V	15.03		
				H	25.39		
Highest Channel							
848.30	27033	QPSK	H	V	15.36	38.45	Pass
				H	24.13		
848.30	27033	16QAM	H	V	14.73		
				H	24.05		

LTE Band 5 (part 22H)							
BW: 10MHz(RB size 1 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
829.00	20450	QPSK	H	V	12.75	38.45	Pass
				H	22.68		
829.00	20450	16QAM	H	V	12.39		
				H	23.36		
Middle Channel							
836.50	20525	QPSK	H	V	12.36	38.45	Pass
				H	23.14		
836.50	20525	16QAM	H	V	13.25		
				H	24.01		
Highest Channel							
844.00	20600	QPSK	H	V	13.03	38.45	Pass
				H	23.15		
844.00	20600	16QAM	H	V	13.25		
				H	24.16		

LTE Band 5 (part 22H)							
BW: 10MHz(RB size 25 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
829.00	20450	QPSK	H	V	12.36	38.45	Pass
				H	23.17		
829.00	20450	16QAM	H	V	14.05		
				H	22.69		
Middle Channel							
836.50	20525	QPSK	H	V	12.47	38.45	Pass
				H	23.11		
836.50	20525	16QAM	H	V	13.23		
				H	23.46		
Highest Channel							
844.00	20600	QPSK	H	V	12.51	38.45	Pass
				H	23.46		
844.00	20600	16QAM	H	V	13.31		
				H	23.48		
BW: 10MHz(RB size 50 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
829.00	20450	QPSK	H	V	13.06	38.45	Pass
				H	24.12		
829.00	20450	16QAM	H	V	14.22		
				H	23.26		
Middle Channel							
836.50	20525	QPSK	H	V	12.45	38.45	Pass
				H	23.36		
836.50	20525	16QAM	H	V	13.69		
				H	24.12		
Highest Channel							
844.00	20600	QPSK	H	V	13.03	38.45	Pass
				H	22.54		
844.00	20600	16QAM	H	V	14.03		
				H	24.14		

LTE Band 26(part 22H)							
BW: 15MHz(RB size 36 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
831.50	26865	QPSK	H	V	13.69	38.45	Pass
				H	25.15		
831.50	26865	16QAM	H	V	14.12		
				H	24.83		
Middle Channel							
836.50	26915	QPSK	H	V	14.03	38.45	Pass
				H	25.07		
836.50	26915	16QAM	H	V	13.13		
				H	24.68		
Highest Channel							
841.50	26965	QPSK	H	V	14.37	38.45	Pass
				H	24.69		
841.50	26965	16QAM	H	V	15.51		
				H	25.51		
BW: 15MHz(RB size 75 & RB offset 0)							
Frequency (MHz)	UL Channel	Modulation	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Lowest Channel							
831.50	26865	QPSK	H	V	14.71	38.45	Pass
				H	25.32		
831.50	26865	16QAM	H	V	15.62		
				H	26.12		
Middle Channel							
836.50	26915	QPSK	H	V	13.69	38.45	Pass
				H	24.71		
836.50	26915	16QAM	H	V	15.01		
				H	25.34		
Highest Channel							
841.50	26965	QPSK	H	V	14.73	38.45	Pass
				H	25.51		
841.50	26965	16QAM	H	V	15.34		
				H	24.37		

6.6 Field strength of spurious radiation measurement

Test Requirement:	Part 22.917(a), Part 24.238 (a), Part 27.53(g), Part 27.53(h), Part 90.691(a)
Test Method:	ANSI/TIA-603-D 2010
Limit:	LTE Band 4 & 5 & 12 & 25 & 26: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm).
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $ERP / EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data:

LTE Band 4 part:

LTE Band 4, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3421.40	Vertical	-38.47	-13.00	Pass
5132.10	V	-36.93		
6842.80	V	-35.03		
3421.40	Horizontal	-40.59		
5132.10	H	-35.44		
6842.80	H	-33.10		
Middle Channel				
3465.00	Vertical	-44.02	-13.00	Pass
5197.50	V	-41.01		
6930.00	V	-34.09		
3465.00	Horizontal	-49.07		
5197.50	H	-40.54		
6930.00	H	-37.07		
Highest Channel				
3508.60	Vertical	-42.98	-13.00	Pass
5262.90	V	-31.71		
7017.20	V	-37.12		
3508.60	Horizontal	-46.83		
5262.90	H	-40.35		
7017.20	H	-36.63		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3423.00	Vertical	-43.03	-13.00	Pass
5134.50	V	-41.12		
6846.00	V	-32.81		
3423.00	Horizontal	-45.26		
5134.50	H	-37.79		
6846.00	H	-36.51		
Middle Channel				
3465.00	Vertical	-42.02	-13.00	Pass
5197.50	V	-41.18		
6930.00	V	-36.62		
3465.00	Horizontal	-47.02		
5197.50	H	-41.39		
6930.00	H	-36.65		
Highest Channel				
3507.00	Vertical	-42.45	-13.00	Pass
5260.50	V	-41.13		
7014.00	V	-32.74		
3507.00	Horizontal	-48.04		
5260.50	H	-41.35		
7014.00	H	-37.58		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3425.00	Vertical	-38.53	-13.00	Pass
5137.50	V	-37.03		
6850.00	V	-35.52		
3425.00	Horizontal	-41.03		
5137.50	H	-35.59		
6850.00	H	-33.27		
Middle Channel				
3465.00	Vertical	-44.16	-13.00	Pass
5197.50	V	-41.23		
6930.00	V	-35.03		
3465.00	Horizontal	-49.25		
5197.50	H	-41.52		
6930.00	H	-37.23		
Highest Channel				
3505.00	Vertical	-42.71	-13.00	Pass
5257.50	V	-32.03		
7010.00	V	-37.66		
3505.00	Horizontal	-46.65		
5257.50	H	-41.03		
7010.00	H	-36.64		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3430.00	Vertical	-43.58	-13.00	Pass
5145.00	V	-42.13		
6860.00	V	-33.02		
3430.00	Horizontal	-45.17		
5145.00	H	-38.81		
6860.00	H	-36.62		
Middle Channel				
3465.00	Vertical	-41.12	-13.00	Pass
5197.50	V	-42.61		
6930.00	V	-36.35		
3465.00	Horizontal	-47.11		
5197.50	H	-42.02		
6930.00	H	-35.03		
Highest Channel				
3500.00	Vertical	-42.36	-13.00	Pass
5250.00	V	-41.25		
7000.00	V	-32.68		
3500.00	Horizontal	-48.15		
5250.00	H	-41.27		
7000.00	H	-37.26		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3435.00	Vertical	-38.17	-13.00	Pass
5152.50	V	-37.36		
6870.00	V	-35.61		
3435.00	Horizontal	-42.03		
5152.50	H	-36.51		
6870.00	H	-34.12		
Middle Channel				
3465.00	Vertical	-45.02	-13.00	Pass
5197.50	V	-41.57		
6930.00	V	-35.62		
3465.00	Horizontal	-49.15		
5197.50	H	-42.05		
6930.00	H	-37.21		
Highest Channel				
3495.00	Vertical	-43.03	-13.00	Pass
5242.50	V	-32.17		
6990.00	V	-37.54		
3495.00	Horizontal	-46.51		
5242.50	H	-42.03		
6990.00	H	-36.12		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 4, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3440.00	Vertical	-43.94	-13.00	Pass
5160.00	V	-42.24		
6880.00	V	-33.87		
3440.00	Horizontal	-45.04		
5160.00	H	-39.18		
6880.00	H	-35.74		
Middle Channel				
3465.00	Vertical	-42.77	-13.00	Pass
5197.50	V	-42.16		
6930.00	V	-36.41		
3465.00	Horizontal	-47.21		
5197.50	H	-41.54		
6930.00	H	-34.66		
Highest Channel				
3490.00	Vertical	-42.92	-13.00	Pass
5235.00	V	-43.49		
6980.00	V	-33.77		
3490.00	Horizontal	-48.57		
5235.00	H	-42.41		
6980.00	H	-37.49		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12 part:

LTE Band 12, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1399.40	Vertical	-49.48	-13.00	Pass
2099.10	V	-49.08		
2798.80	V	-51.25		
1399.40	Horizontal	-44.85		
2099.10	H	-54.09		
2798.80	H	-49.13		
Middle Channel				
1415.00	Vertical	-43.32	-13.00	Pass
2122.50	V	-54.91		
2830.00	V	-52.03		
1415.00	Horizontal	-43.97		
2122.50	H	-47.67		
2830.00	H	-48.52		
Highest Channel				
1430.60	Vertical	-47.55	-13.00	Pass
2145.90	V	-55.78		
2861.20	V	-52.25		
1430.60	Horizontal	-44.68		
2145.90	H	-58.99		
2861.20	H	-52.54		
Note: 1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report. 2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1401.00	Vertical	-48.37	-13.00	Pass
2101.50	V	-48.96		
2802.00	V	-52.03		
1401.00	Horizontal	-45.15		
2101.50	H	-55.26		
2802.00	H	-49.38		
Middle Channel				
1415.00	Vertical	-43.63	-13.00	Pass
2122.50	V	-53.31		
2830.00	V	-51.03		
1415.00	Horizontal	-42.26		
2122.50	H	-46.69		
2830.00	H	-48.17		
Highest Channel				
1429.00	Vertical	-46.63	-13.00	Pass
2143.50	V	-54.67		
2858.00	V	-51.74		
1429.00	Horizontal	-45.26		
2143.50	H	-57.86		
2858.00	H	-51.13		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1403.00	Vertical	-48.85	-13.00	Pass
2104.50	V	-48.69		
2806.00	V	-50.17		
1403.00	Horizontal	-45.26		
2104.50	H	-53.37		
2806.00	H	-48.39		
Middle Channel				
1415.00	Vertical	-44.03	-13.00	Pass
2122.50	V	-53.36		
2830.00	V	-51.16		
1415.00	Horizontal	-42.27		
2122.50	H	-46.69		
2830.00	H	-48.25		
Highest Channel				
1427.00	Vertical	-46.32	-13.00	Pass
2410.50	V	-56.01		
2854.00	V	-53.23		
1427.00	Horizontal	-45.51		
2410.50	H	-57.71		
2854.00	H	-53.36		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 12, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1408.00	Vertical	-47.63	-13.00	Pass
2112.00	V	-48.42		
2816.00	V	-51.03		
1408.00	Horizontal	-46.64		
2112.00	H	-54.71		
2816.00	H	-50.05		
Middle Channel				
1415.00	Vertical	-44.03	-13.00	Pass
2122.50	V	-52.28		
2830.00	V	-52.06		
1415.00	Horizontal	-43.31		
2122.50	H	-46.58		
2830.00	H	-48.04		
Highest Channel				
1422.00	Vertical	-46.71	-13.00	Pass
2133.00	V	-53.35		
2844.00	V	-52.06		
1422.00	Horizontal	-46.69		
2133.00	H	-57.71		
2844.00	H	-52.02		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25 part:

LTE Band 25, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3701.40	Vertical	-49.79	-13.00	Pass
5552.10	V	-45.11		
3701.40	Horizontal	-48.57		
5552.10	H	-41.98		
Middle Channel				
3765.00	Vertical	-49.79	-13.00	Pass
5647.50	V	-44.16		
3765.00	Horizontal	-48.84		
5647.50	H	-45.03		
Highest Channel				
3828.60	Vertical	-30.00	-13.00	Pass
5742.90	V	-38.20		
3828.60	Horizontal	-34.83		
5742.90	H	-43.30		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3703.00	Vertical	-44.91	-13.00	Pass
5554.50	V	-37.14		
3703.00	Horizontal	-48.35		
5554.50	H	-35.03		
Middle Channel				
3765.00	Vertical	-47.34	-13.00	Pass
5647.50	V	-42.06		
3765.00	Horizontal	-48.85		
5647.50	H	-42.26		
Highest Channel				
3827.00	Vertical	34.02	-13.00	Pass
5740.50	V	-38.02		
3827.00	Horizontal	-35.23		
5740.50	H	-42.01		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3705.00	Vertical	-46.65	-13.00	Pass
5557.50	V	-44.02		
3705.00	Horizontal	-48.52		
5557.50	H	-42.07		
Middle Channel				
3765.00	Vertical	-49.58	-13.00	Pass
5647.50	V	-45.03		
3765.00	Horizontal	-48.73		
5647.50	H	-45.12		
Highest Channel				
3825.00	Vertical	-32.26	-13.00	Pass
5737.50	V	-39.47		
3825.00	Horizontal	-35.15		
5737.50	H	-42.36		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3710.00	Vertical	-45.03	-13.00	Pass
5565.00	V	-36.67		
3710.00	Horizontal	-48.62		
5565.00	H	-34.02		
Middle Channel				
3765.00	Vertical	-47.26	-13.00	Pass
5647.50	V	-43.45		
3765.00	Horizontal	-50.12		
5647.50	H	-42.03		
Highest Channel				
3820.00	Vertical	-32.26	-13.00	Pass
5730.00	V	-37.26		
3820.00	Horizontal	-35.47		
5730.00	H	-43.03		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3715.00	Vertical	-45.70	-13.00	Pass
5572.50	V	-45.26		
3715.00	Horizontal	-48.37		
5572.50	H	-42.14		
Middle Channel				
3765.00	Vertical	-48.58	-13.00	Pass
5647.50	V	-45.31		
3765.00	Horizontal	-48.23		
5647.50	H	-45.17		
Highest Channel				
3815.00	Vertical	-32.39	-13.00	Pass
5722.50	V	-39.47		
3815.00	Horizontal	-35.26		
5722.50	H	-43.01		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 25, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3720.00	Vertical	-44.79	-13.00	Pass
5580.00	V	-36.50		
3720.00	Horizontal	-48.67		
5580.00	H	-33.34		
Middle Channel				
3765.00	Vertical	-47.41	-13.00	Pass
5647.50	V	-43.58		
3765.00	Horizontal	-50.27		
5647.50	H	-41.96		
Highest Channel				
3810.00	Vertical	-33.15	-13.00	Pass
5715.00	V	-37.16		
3810.00	Horizontal	-36.06		
5715.00	H	-42.03		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5&26(part 22H):

LTE Band 5&26(part 22H), WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1649.40	Vertical	-46.85	-13.00	Pass
2474.10	V	-40.97		
3298.80	V	-51.82		
1649.40	Horizontal	-50.98		
2474.10	H	-32.61		
3298.80	H	-48.63		
Middle Channel				
1673.00	Vertical	-32.88	-13.00	Pass
2509.50	V	-39.17		
3346.00	V	-47.27		
1673.00	Horizontal	-40.63		
2509.50	H	-33.82		
3346.00	H	-47.62		
Highest Channel				
1696.60	Vertical	-32.03	-13.00	Pass
2544.90	V	-46.78		
3393.20	V	-49.44		
1696.60	Horizontal	-34.12		
2544.90	H	-49.01		
3393.20	H	-46.60		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5&26(part 22H), WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1651.00	Vertical	-45.57	-13.00	Pass
2476.50	V	-41.25		
3302.00	V	-51.64		
1651.00	Horizontal	-49.82		
2476.50	H	-33.31		
3302.00	H	-48.59		
Middle Channel				
1673.00	Vertical	-32.71	-13.00	Pass
2509.50	V	-38.85		
3346.00	V	-47.23		
1673.00	Horizontal	-41.28		
2509.50	H	-34.26		
3346.00	H	-48.13		
Highest Channel				
1695.00	Vertical	-33.03	-13.00	Pass
2542.50	V	-46.18		
3390.00	V	-49.37		
1695.00	Horizontal	-32.72		
2542.50	H	-49.16		
3390.00	H	-47.03		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5&26(part 22H), WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1653.00	Vertical	-46.71	-13.00	Pass
2479.50	V	-41.03		
3306.00	V	-51.23		
1653.00	Horizontal	-49.86		
2479.50	H	-33.06		
3306.00	H	-48.46		
Middle Channel				
1673.00	Vertical	-32.17	-13.00	Pass
2509.50	V	-39.25		
3346.00	V	-47.35		
1673.00	Horizontal	-41.21		
2509.50	H	-34.03		
3346.00	H	-47.75		
Highest Channel				
1693.00	Vertical	-33.02	-13.00	Pass
2539.50	V	-41.21		
3386.00	V	-46.69		
1693.00	Horizontal	-41.37		
2539.50	H	-35.26		
3386.00	H	-47.13		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 5&26(part 22H), WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1658.00	Vertical	-45.69	-13.00	Pass
2487.00	V	-41.02		
3316.00	V	-51.25		
1658.00	Horizontal	-49.71		
2487.00	H	-34.03		
3316.00	H	-48.26		
Middle Channel				
1673.00	Vertical	-32.73	-13.00	Pass
2509.50	V	-38.59		
3346.00	V	-47.46		
1673.00	Horizontal	-42.02		
2509.50	H	-35.51		
3346.00	H	-48.29		
Highest Channel				
1688.00	Vertical	-34.16	-13.00	Pass
2532.00	V	-46.28		
3376.00	V	-49.56		
1688.00	Horizontal	-36.25		
2532.00	H	-48.75		
3376.00	H	-46.68		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 26(part 22H), WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1663.00	Vertical	-46.69	-13.00	Pass
2494.50	V	-41.25		
3326.00	V	-51.03		
1663.00	Horizontal	-47.71		
2494.50	H	-34.06		
3326.00	H	-48.15		
Middle Channel				
1673.00	Vertical	-32.36	-13.00	Pass
2509.50	V	-40.01		
3346.00	V	-47.68		
1673.00	Horizontal	-42.23		
2509.50	H	-34.36		
3346.00	H	-47.81		
Highest Channel				
1683.00	Vertical	-34.03	-13.00	Pass
2524.50	V	-41.45		
3366.00	V	-46.51		
1683.00	Horizontal	-41.43		
2524.50	H	-35.62		
3366.00	H	-47.29		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 26(part 90S):

LTE Band 26(part 90S), WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1629.40	Vertical	-46.25	-13.00	Pass
2444.10	V	-40.63		
3258.80	V	-51.71		
1629.40	Horizontal	-50.12		
2444.10	H	-32.23		
3258.80	H	-48.45		
Middle Channel				
1638.00	Vertical	-32.74	-13.00	Pass
2457.00	V	-39.22		
3276.00	V	-47.33		
1638.00	Horizontal	-40.45		
2457.00	H	-33.75		
3276.00	H	-47.63		
Highest Channel				
1646.60	Vertical	-32.52	-13.00	Pass
2469.90	V	-46.12		
3293.20	V	-49.63		
1646.60	Horizontal	-34.75		
2469.90	H	-49.85		
3293.20	H	-46.15		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

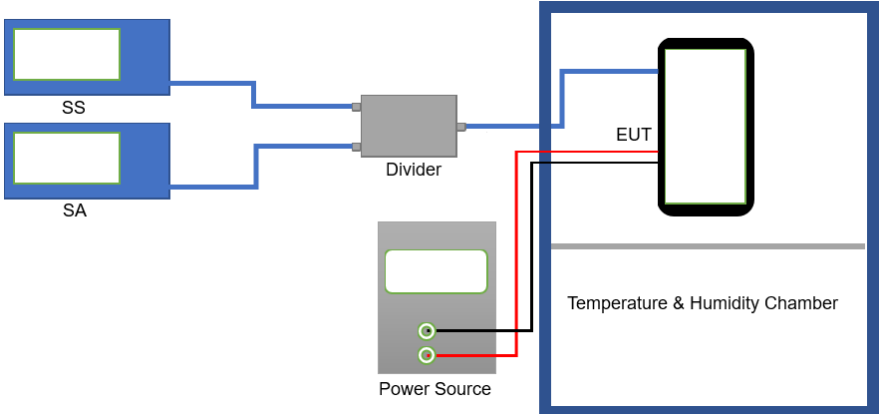
LTE Band 26(part 90S), WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1631.00	Vertical	-45.85	-13.00	Pass
2446.50	V	-41.23		
3262.00	V	-51.82		
1631.00	Horizontal	-49.46		
2446.50	H	-33.74		
3262.00	H	-48.63		
Middle Channel				
1638.00	Vertical	-32.85	-13.00	Pass
2457.00	V	-38.22		
3276.00	V	-47.58		
1638.00	Horizontal	-41.41		
2457.00	H	-34.95		
3276.00	H	-48.36		
Highest Channel				
1645.00	Vertical	-33.74	-13.00	Pass
2467.50	V	-46.52		
3290.00	V	-49.75		
1645.00	Horizontal	-32.64		
2467.50	H	-49.75		
3290.00	H	-47.62		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 26(part 90S), WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1633.00	Vertical	-46.45	-13.00	Pass
2449.50	V	-41.35		
3266.00	V	-51.74		
1633.00	Horizontal	-49.32		
2449.50	H	-33.85		
3266.00	H	-48.46		
Middle Channel				
1638.00	Vertical	-32.45	-13.00	Pass
2457.00	V	-39.63		
3276.00	V	-47.52		
1638.00	Horizontal	-41.71		
2457.00	H	-34.53		
3276.00	H	-47.87		
Highest Channel				
1643.00	Vertical	-33.35	-13.00	Pass
2464.50	V	-41.71		
3286.00	V	-46.43		
1643.00	Horizontal	-41.63		
2464.50	H	-35.52		
3286.00	H	-47.85		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 26(part 90S), WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Middle Channel				
1638.00	Vertical	-32.33	-13.00	Pass
2457.00	V	-38.85		
3276.00	V	-47.74		
1638.00	Horizontal	-42.52		
2457.00	H	-35.63		
3276.00	H	-48.72		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

LTE Band 26(part 90S), WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1643.00	Vertical	-46.69	-13.00	Pass
2464.50	V	-41.75		
3286.00	V	-51.35		
1643.00	Horizontal	-47.87		
2464.50	H	-34.63		
3286.00	H	-48.74		
Note:				
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.				
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.				

6.7 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	 The diagram illustrates the test setup. A Signal Source (SS) and a Spectrum Analyzer (SA) are connected to a Divider. The Divider is connected to the EUT (Equipment Under Test) inside a Temperature & Humidity Chamber. A Power Source is also connected to the EUT.
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 4 part:

Reference Frequency: LTE Band 4 (10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vac)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
120	-30	196	0.113131	±2.5	Pass
	-20	153	0.088312		
	-10	161	0.092929		
	0	121	0.069841		
	10	186	0.107359		
	20	172	0.099278		
	30	112	0.064646		
	40	103	0.059452		
	50	148	0.085426		
16QAM					
120	-30	125	0.072150	±2.5	Pass
	-20	152	0.087734		
	-10	168	0.096970		
	0	124	0.071573		
	10	146	0.084271		
	20	142	0.081962		
	30	158	0.091198		
	40	135	0.077922		
	50	140	0.080808		
Note: Only the worst case shown in the report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12 (10MHz) Middle channel=23095 channel=707.50MHz					
Power supplied (Vac)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
120	-30	190	0.268551	±2.5	Pass
	-20	154	0.217668		
	-10	161	0.227562		
	0	111	0.156890		
	10	183	0.258657		
	20	179	0.253004		
	30	104	0.146996		
	40	103	0.145583		
	50	150	0.212014		
16QAM					
120	-30	169	0.238869	±2.5	Pass
	-20	153	0.216254		
	-10	146	0.206360		
	0	112	0.158304		
	10	146	0.206360		
	20	165	0.233216		
	30	153	0.216254		
	40	132	0.186572		
	50	138	0.195053		
Note: Only the worst case shown in the report.					

LTE Band 25 part:

Reference Frequency: LTE Band 25 (10MHz) Middle channel=26365 channel=1882.5MHz					
Power supplied (Vac)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
120	-30	184	0.097742	±2.5	Pass
	-20	173	0.091899		
	-10	171	0.090837		
	0	121	0.064276		
	10	138	0.073307		
	20	172	0.091368		
	30	112	0.059495		
	40	162	0.086056		
	50	148	0.078619		
16QAM					
120	-30	179	0.095086	±2.5	Pass
	-20	152	0.080744		
	-10	146	0.077556		
	0	124	0.065870		
	10	163	0.086587		
	20	142	0.075432		
	30	158	0.083931		
	40	135	0.071713		
	50	142	0.075432		
Note: Only the worst case shown in the report.					

LTE Band 5&26(part 22H):

Reference Frequency: LTE Band 5&26(part 22H) (10MHz) Middle channel=26915 channel=836.5MHz					
Power supplied (Vac)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
120	-30	189	0.225941	±2.5	Pass
	-20	135	0.161387		
	-10	161	0.192469		
	0	112	0.133891		
	10	168	0.200837		
	20	174	0.208010		
	30	112	0.133891		
	40	103	0.123132		
	50	153	0.182905		
16QAM					
120	-30	152	0.181710	±2.5	Pass
	-20	125	0.149432		
	-10	146	0.174537		
	0	124	0.148237		
	10	143	0.170950		
	20	142	0.169755		
	30	150	0.179319		
	40	135	0.161387		
	50	140	0.167364		
Note: Only the worst case shown in the report.					

LTE Band 26(part 90S):

Reference Frequency: LTE Band 26(part 90S (10MHz) Middle channel=26740 channel=819.0MHz					
Power supplied (Vac)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
120	-30	191	0.233211	±2.5	Pass
	-20	137	0.167277		
	-10	163	0.199023		
	0	118	0.144078		
	10	163	0.199023		
	20	171	0.208791		
	30	110	0.134310		
	40	106	0.129426		
	50	153	0.186813		
16QAM					
120	-30	154	0.188034	±2.5	Pass
	-20	127	0.155067		
	-10	142	0.173382		
	0	125	0.152625		
	10	141	0.172161		
	20	142	0.173382		
	30	143	0.174603		
	40	135	0.164835		
	50	116	0.141636		
Note: Only the worst case shown in the report.					