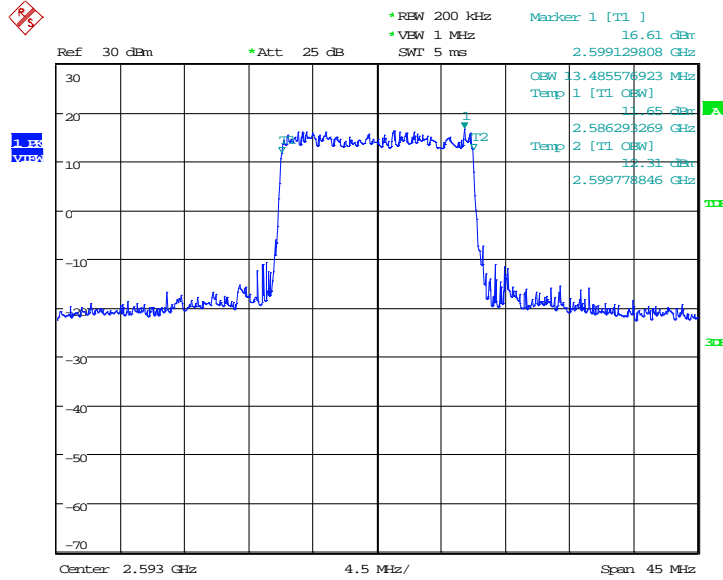


LTE band 41, 15MHz (99% BW)

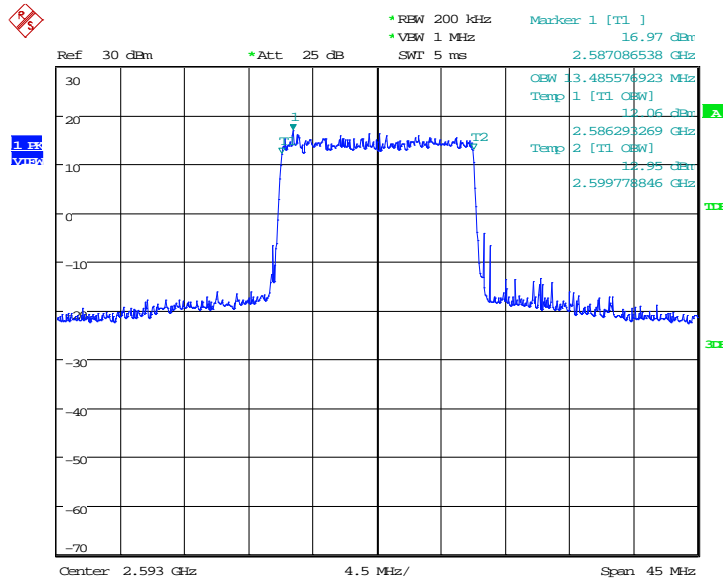
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	13485.58	13485.58	13485.58

LTE band 41, 15MHz Bandwidth, QPSK (99% BW)



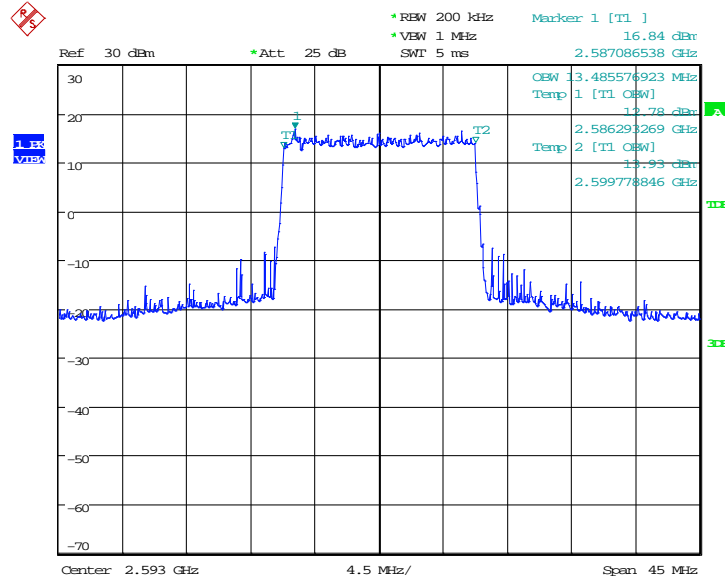
Date: 3.JUN.2019 11:42:42

LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)



Date: 3.JUN.2019 11:42:56

LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)

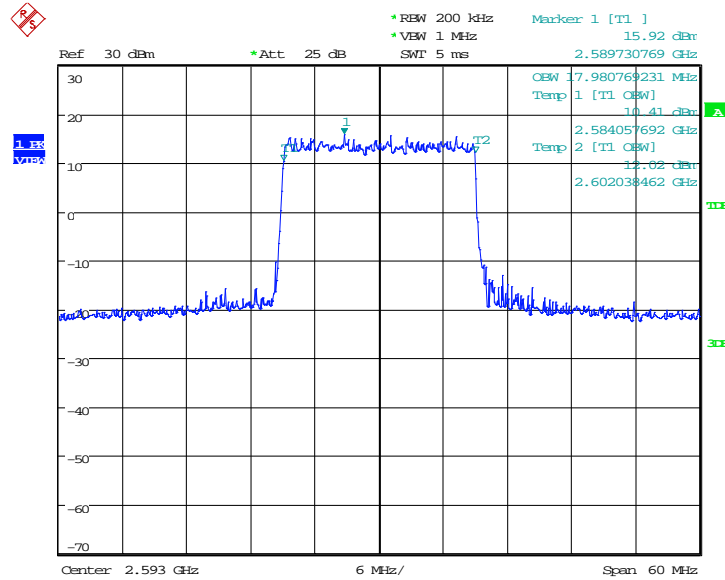


Date: 3.JUN.2019 12:29:44

LTE band 41, 20MHz (99% BW)

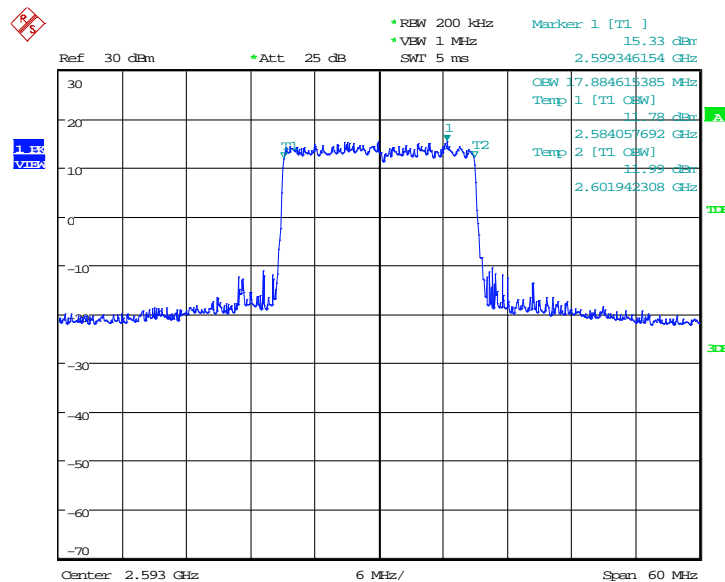
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	17980.77	17884.62	17980.77

LTE band 41, 20MHz Bandwidth, QPSK (99% BW)



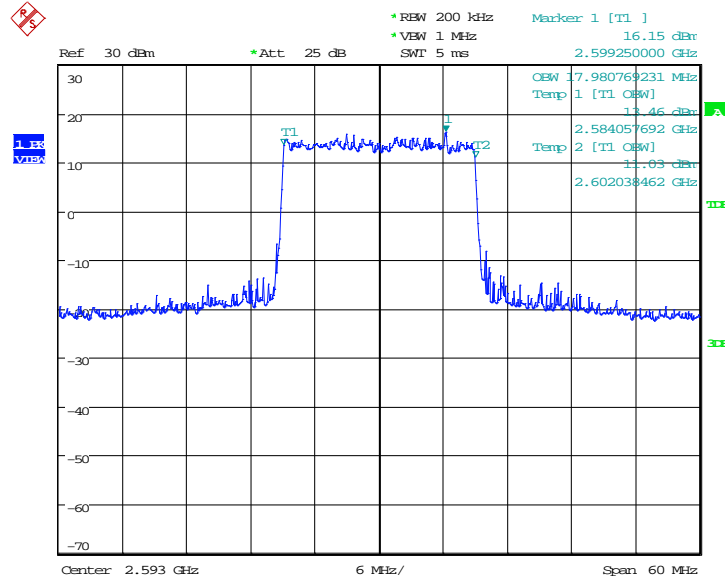
Date: 3.JUN.2019 11:45:50

LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)



Date: 3.JUN.2019 11:46:04

LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)



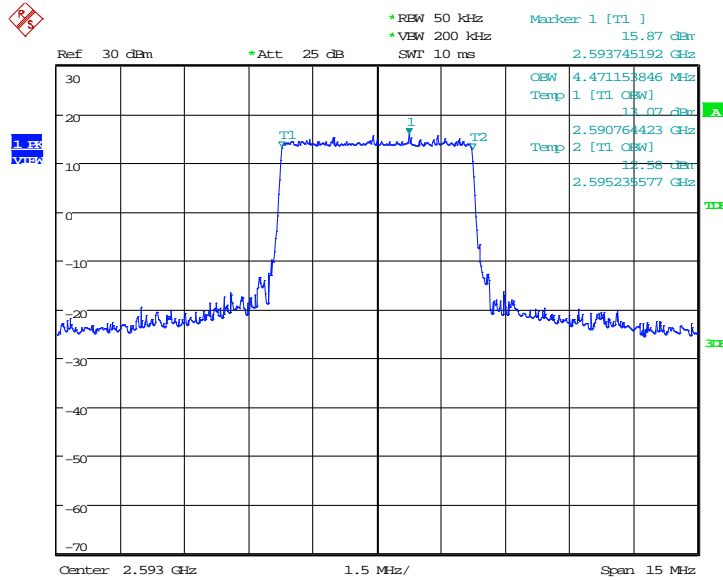
Date: 3.JUN.2019 12:32:18

HPUE

LTE band 41, 5MHz (99% BW)

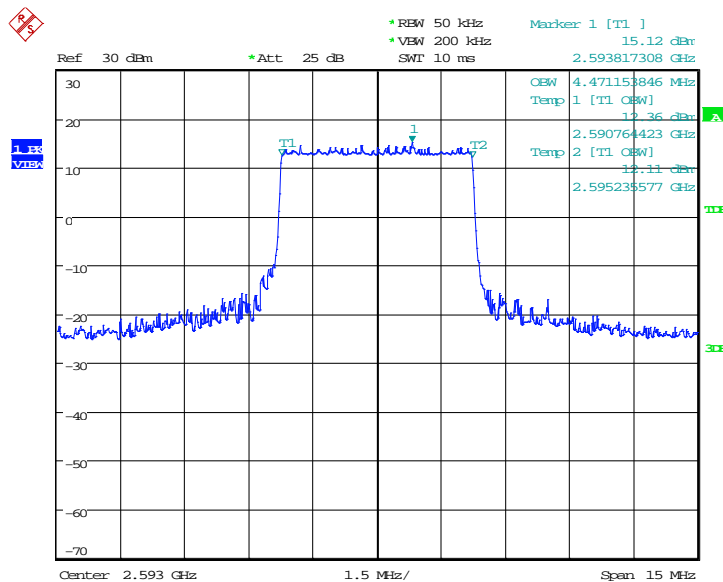
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4471.15

LTE band 41, 5MHz Bandwidth, QPSK (99% BW)



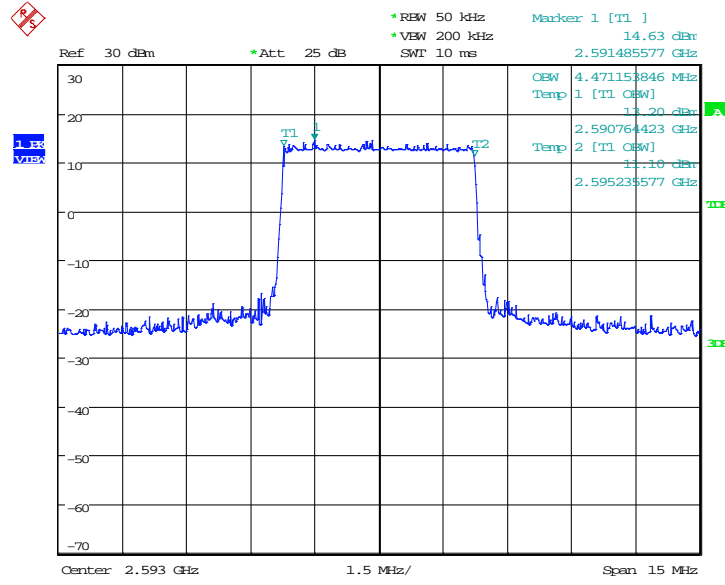
Date: 11.JUN.2019 19:25:54

LTE band 41, 5MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 19:26:42

LTE band 41, 5MHz Bandwidth, 64QAM (99% BW)

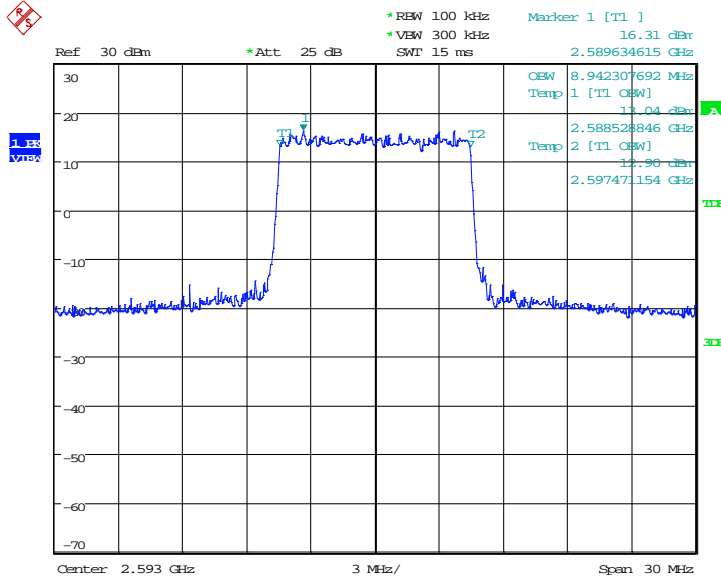


Date: 31.MAY.2019 16:03:10

LTE band 41, 10MHz (99% BW)

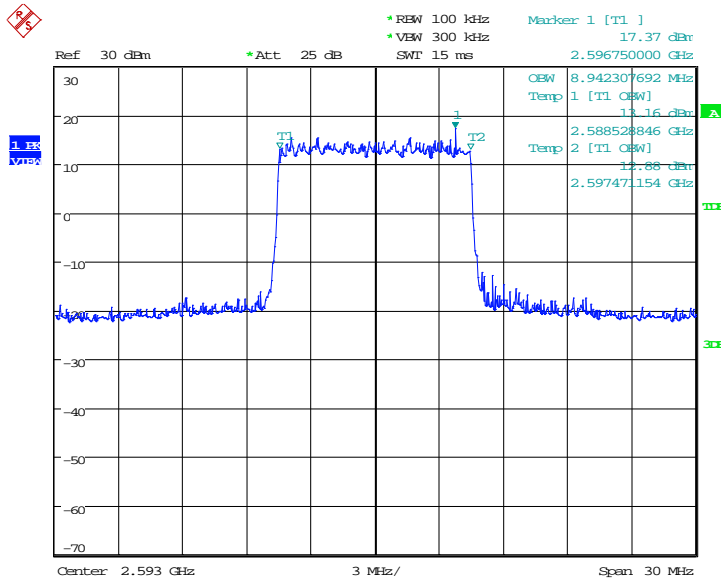
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	8942.31	8942.31	8942.31

LTE band 41, 10MHz Bandwidth, QPSK (99% BW)



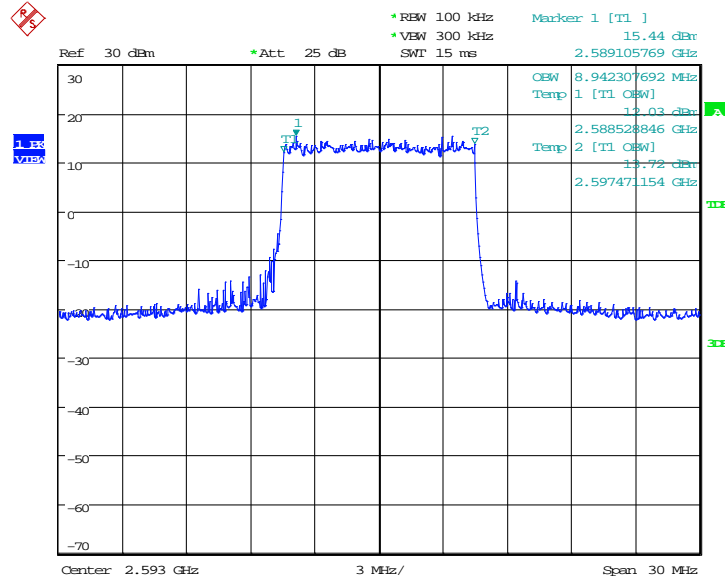
Date: 11.JUN.2019 19:16:48

LTE band 41, 10MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 19:17:42

LTE band 41, 10MHz Bandwidth, 64QAM (99% BW)

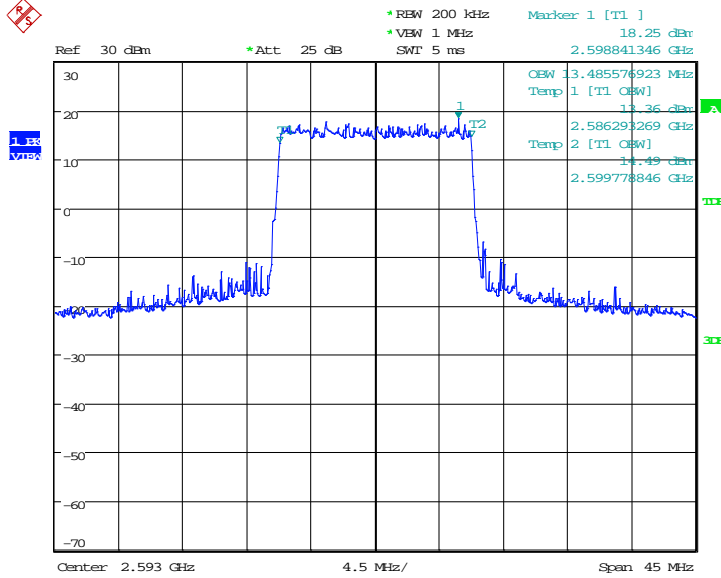


Date: 31.MAY.2019 16:05:43

LTE band 41, 15MHz (99% BW)

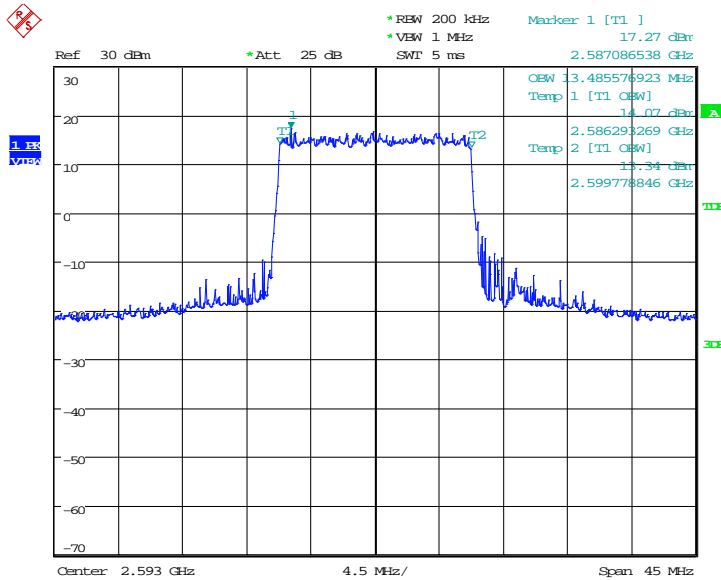
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	13485.58	13485.58	13485.58

LTE band 41, 15MHz Bandwidth, QPSK (99% BW)



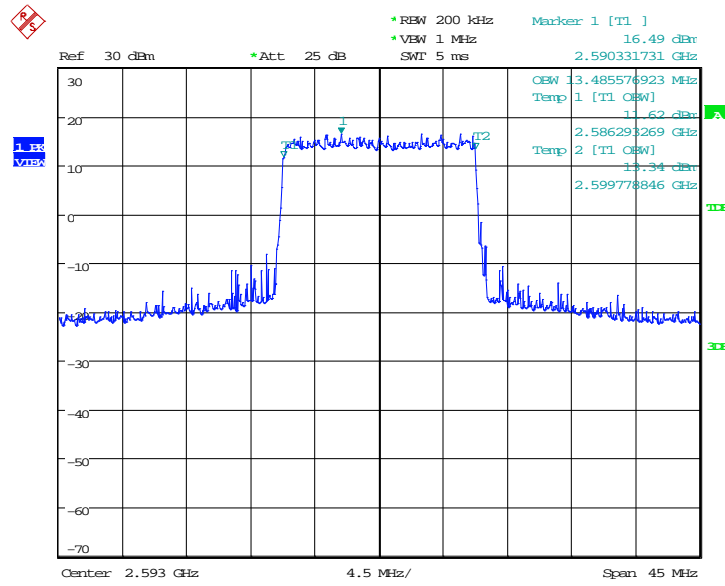
Date: 11.JUN.2019 19:31:43

LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 19:32:17

LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)

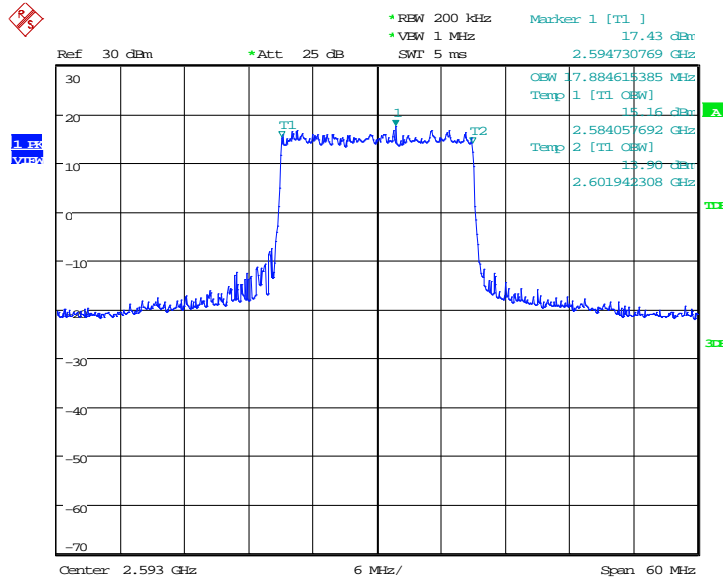


Date: 31.MAY.2019 16:08:16

LTE band 41, 20MHz (99% BW)

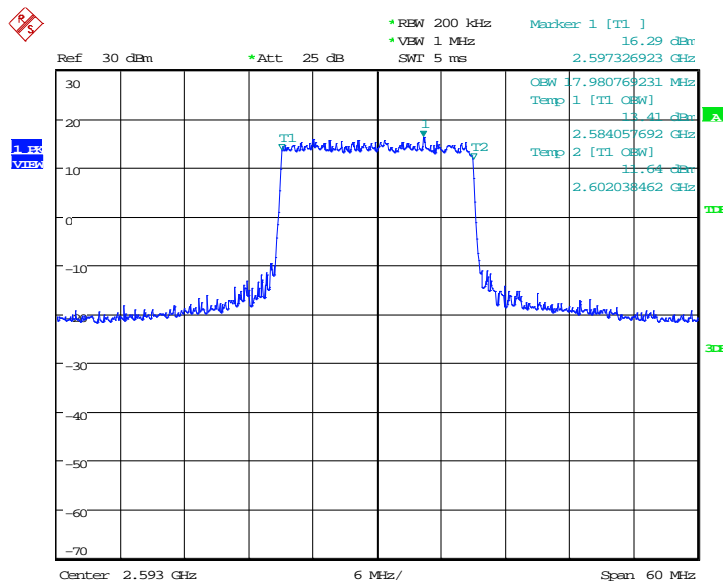
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	17884.62	17980.77	17980.77

LTE band 41, 20MHz Bandwidth, QPSK (99% BW)



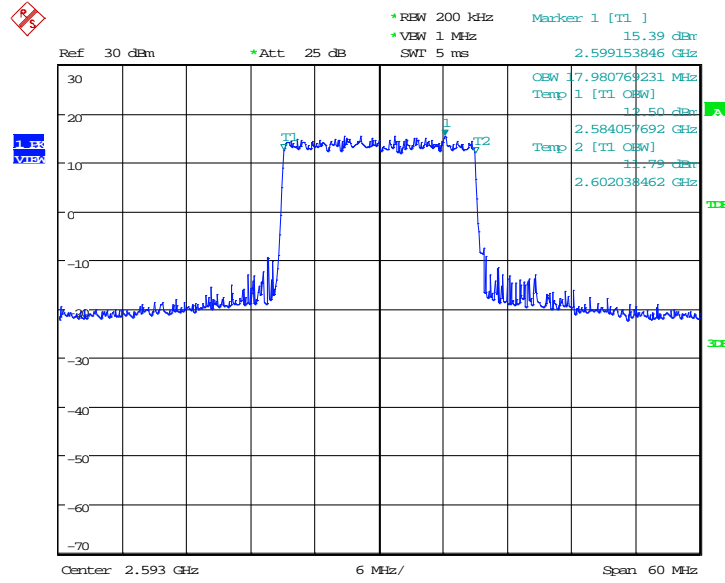
Date: 11.JUN.2019 19:36:34

LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 19:37:13

LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)

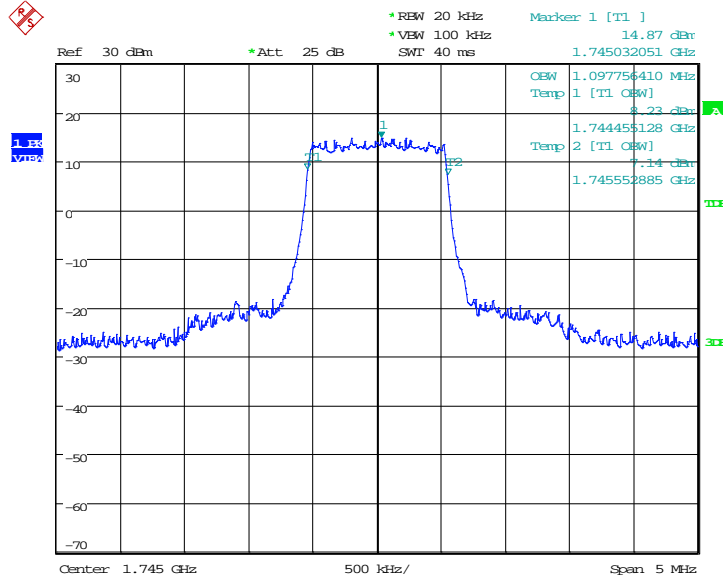


Date: 31.MAY.2019 16:10:50

LTE band 66, 1.4MHz (99% BW)

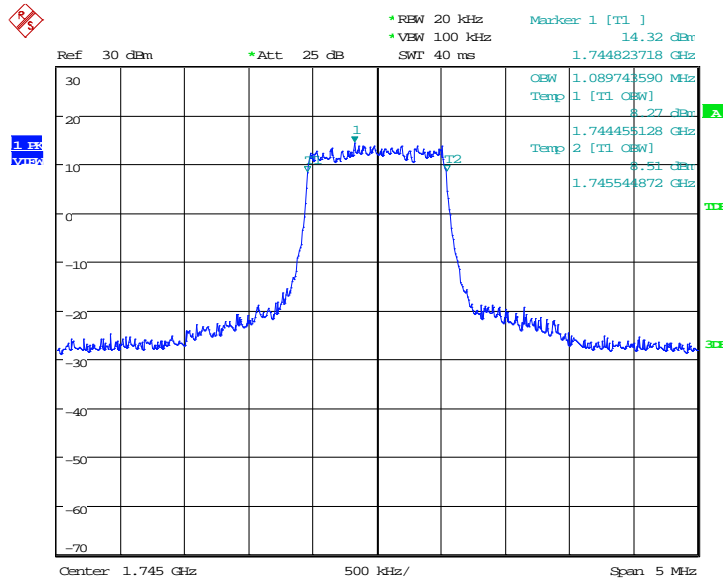
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	1097.76	1089.74	1089.74

LTE band 66, 1.4MHz Bandwidth, QPSK (99% BW)



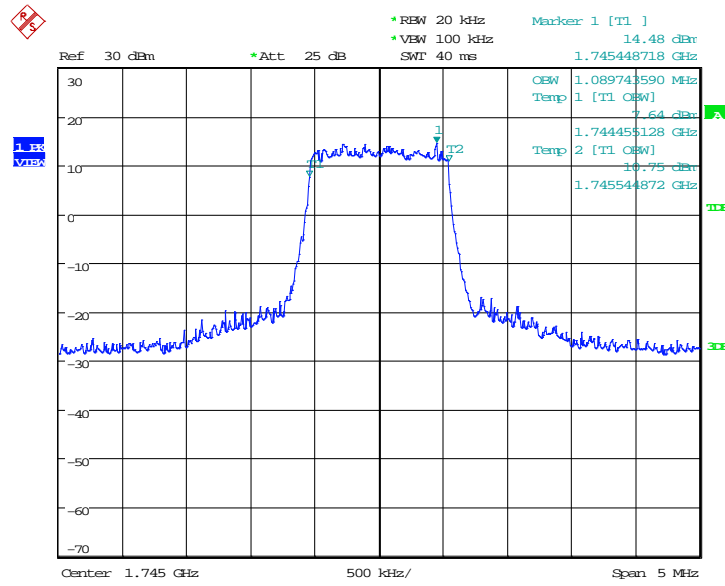
Date: 31.MAY.2019 19:14:22

LTE band 66, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:14:36

LTE band 66, 1.4MHz Bandwidth, 64QAM (99% BW)

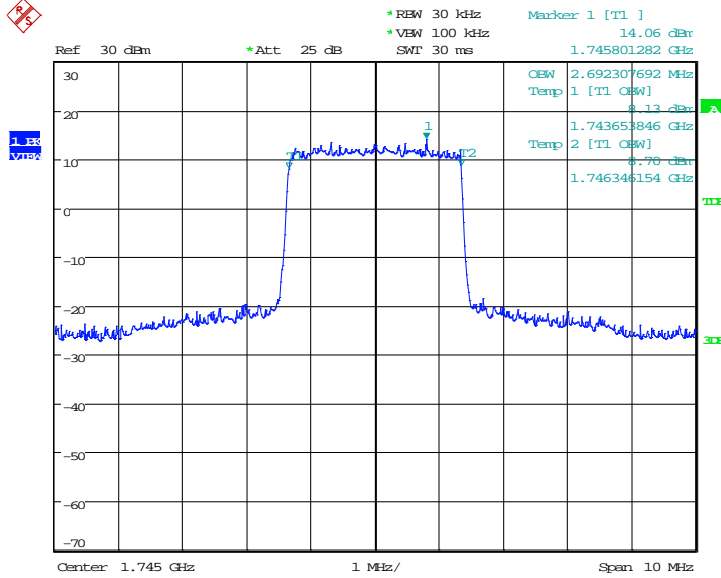


Date: 3.JUN.2019 07:29:18

LTE band 66, 3MHz (99% BW)

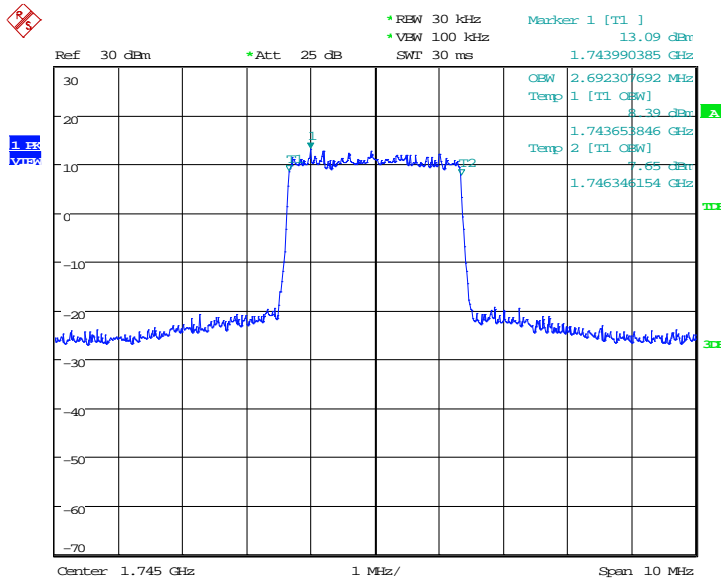
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	2692.31	2692.31	2676.28

LTE band 66, 3MHz Bandwidth, QPSK (99% BW)



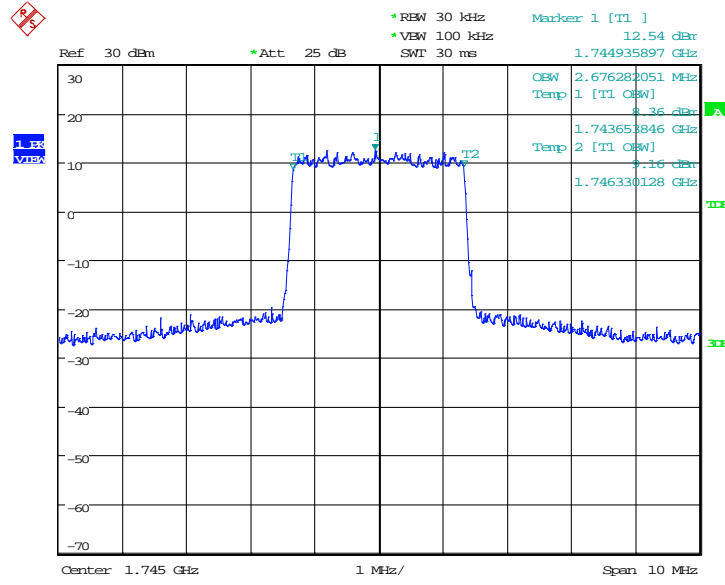
Date: 31.MAY.2019 19:17:30

LTE band 66, 3MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:17:44

LTE band 66, 3MHz Bandwidth, 64QAM (99% BW)

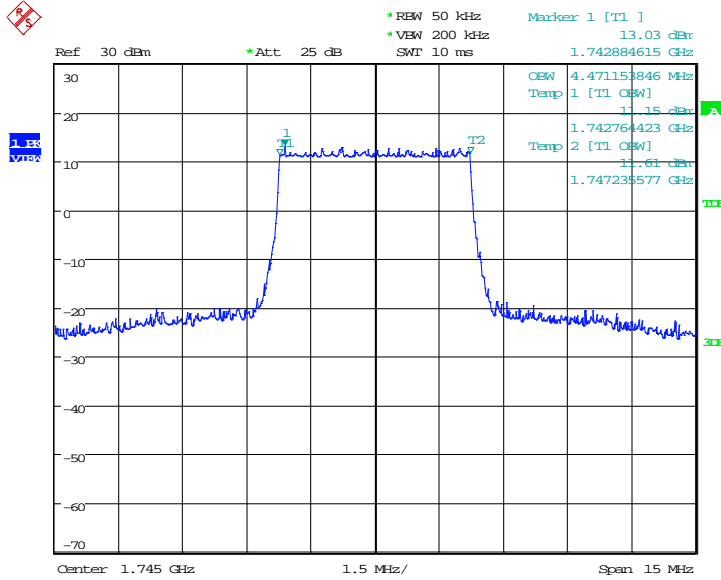


Date: 3.JUN.2019 07:31:51

LTE band 66, 5MHz (99% BW)

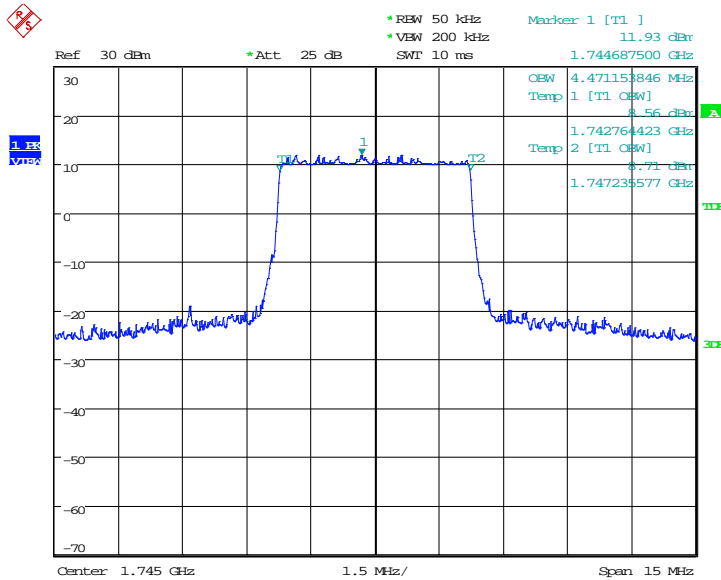
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	4471.15	4471.15	4495.19

LTE band 66, 5MHz Bandwidth, QPSK (99% BW)



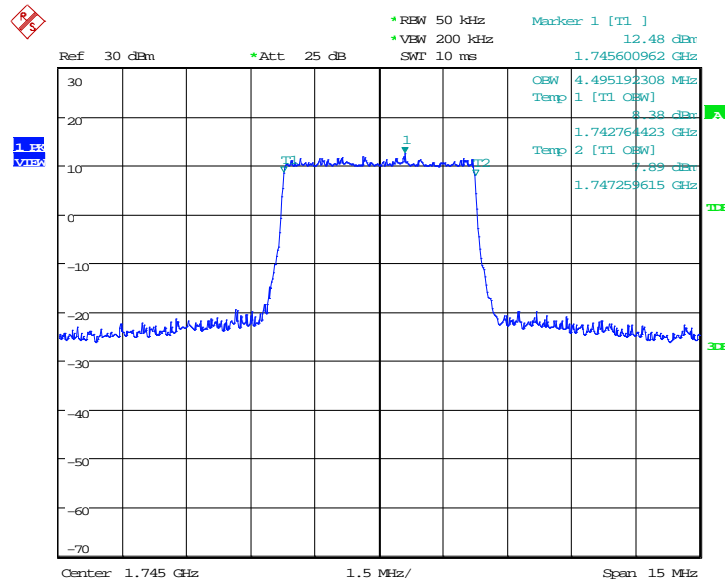
Date: 31.MAY.2019 19:20:39

LTE band 66, 5MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:20:52

LTE band 66, 5MHz Bandwidth, 64QAM (99% BW)

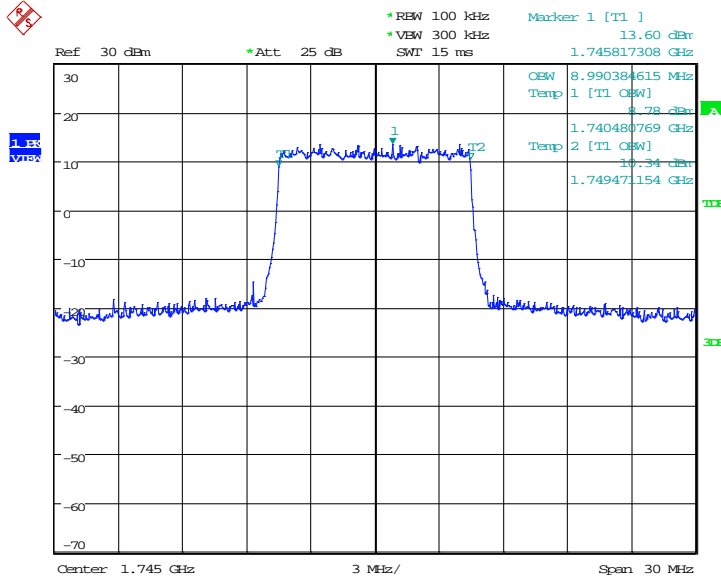


Date: 3.JUN.2019 07:34:24

LTE band 66, 10MHz (99% BW)

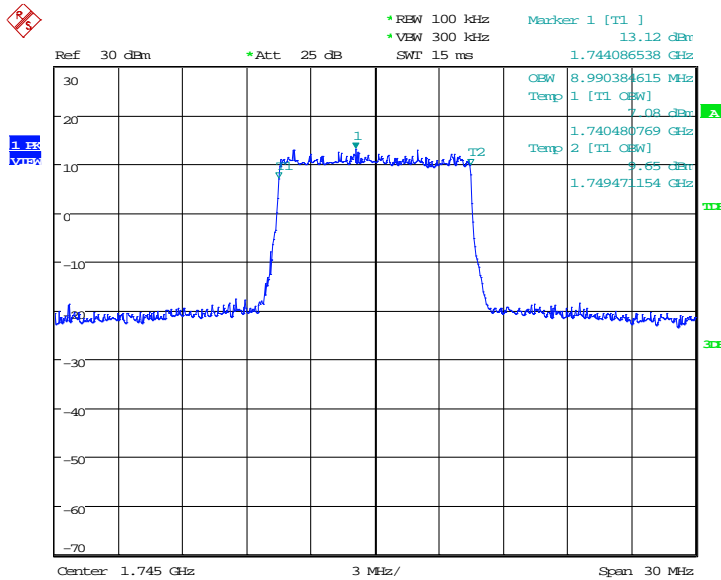
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	8990.38	8990.38	8990.38

LTE band 66, 10MHz Bandwidth, QPSK (99% BW)



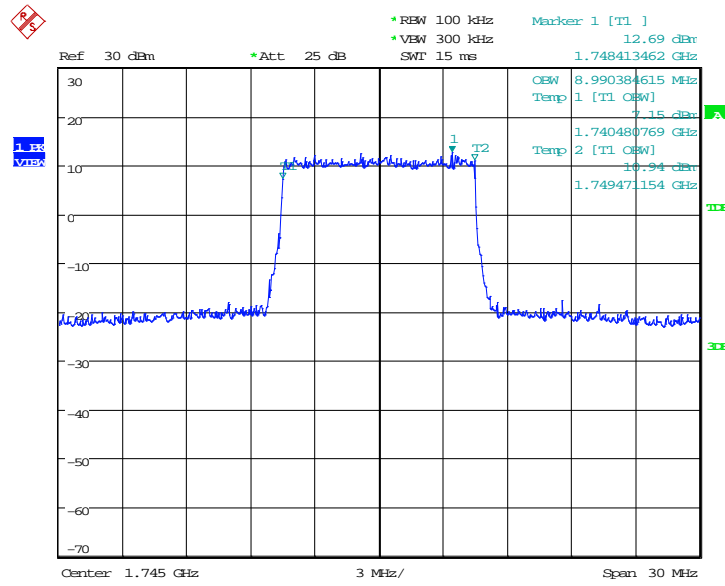
Date: 31.MAY.2019 19:23:47

LTE band 66, 10MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:24:01

LTE band 66, 10MHz Bandwidth, 64QAM (99% BW)

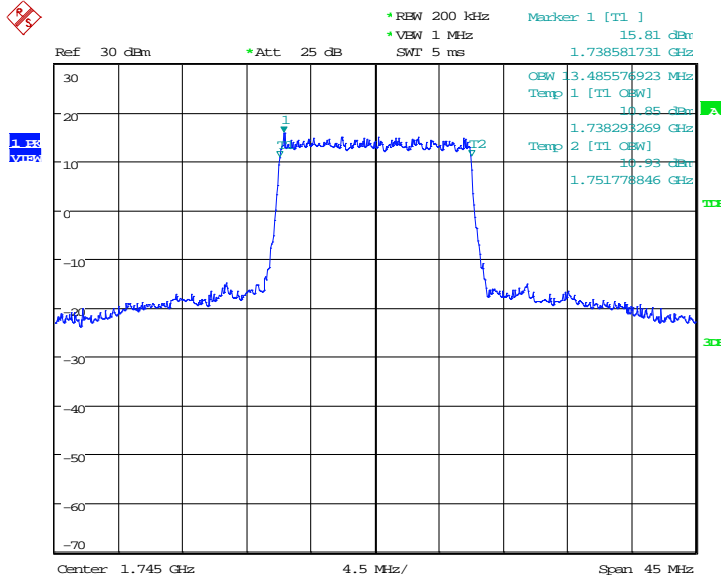


Date: 3.JUN.2019 07:36:56

LTE band 66, 15MHz (99% BW)

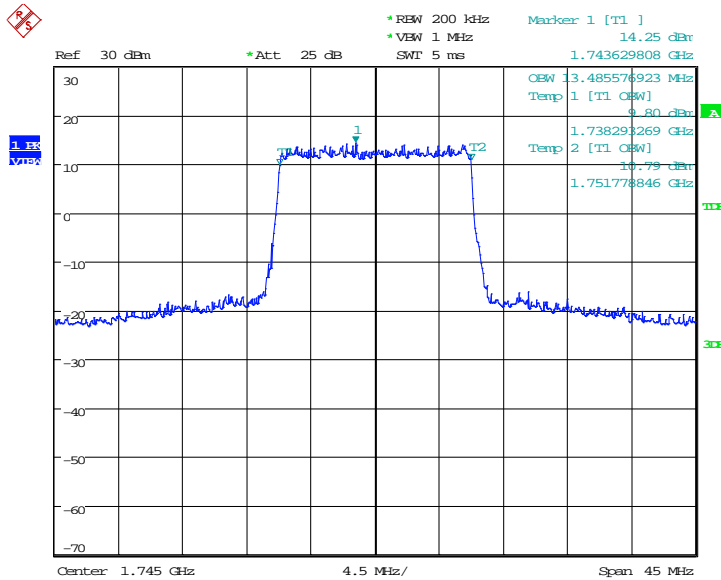
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	13485.58	13485.58	13485.58

LTE band 66, 15MHz Bandwidth, QPSK (99% BW)



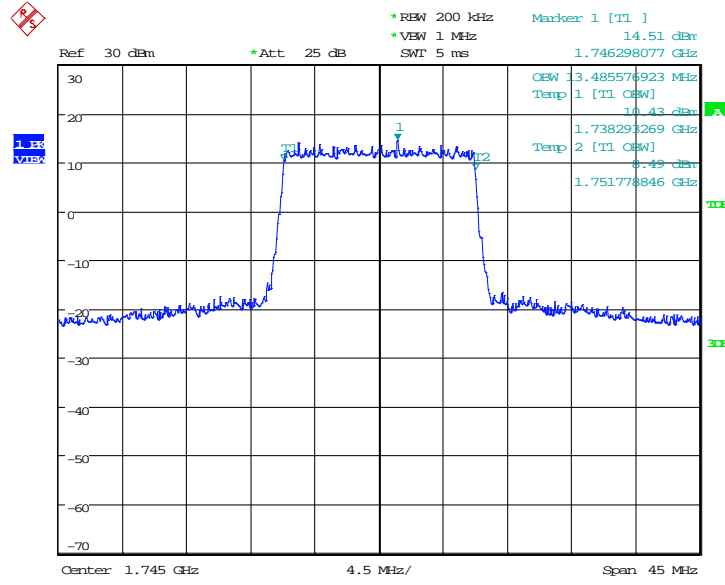
Date: 31.MAY.2019 19:26:55

LTE band 66, 15MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:27:09

LTE band 66, 15MHz Bandwidth, 64QAM (99% BW)

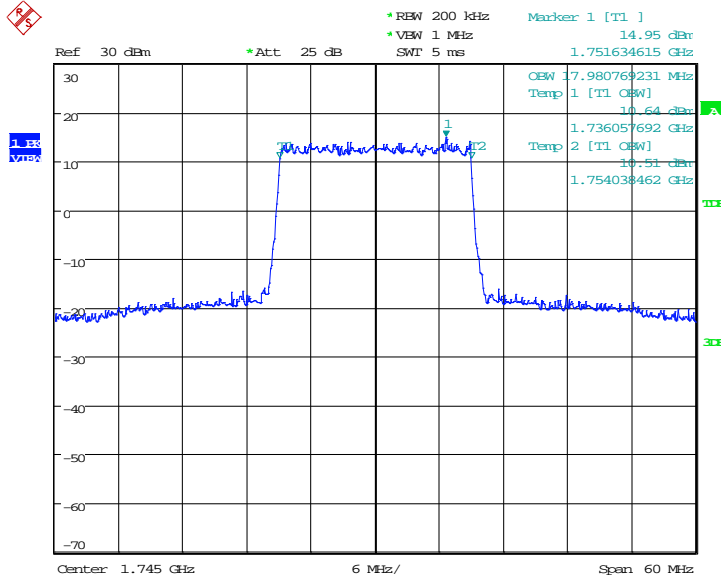


Date: 3.JUN.2019 07:39:29

LTE band 66, 20MHz (99% BW)

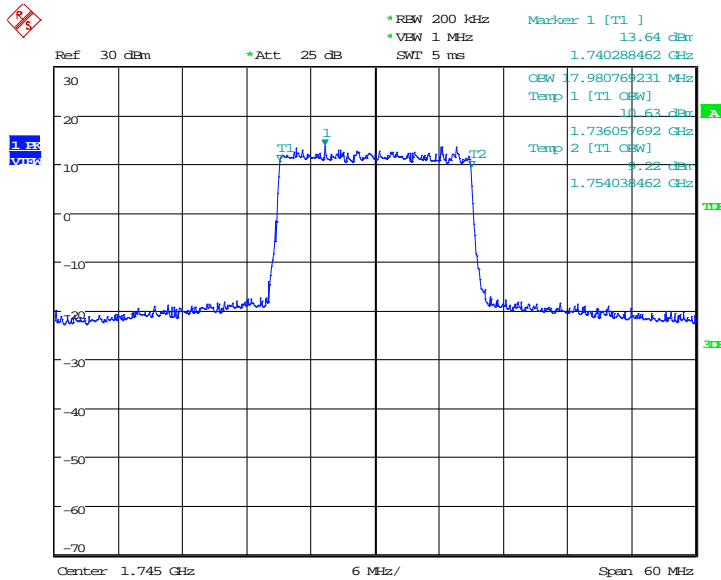
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	17980.77	17980.77	17884.62

LTE band 66, 20MHz Bandwidth, QPSK (99% BW)



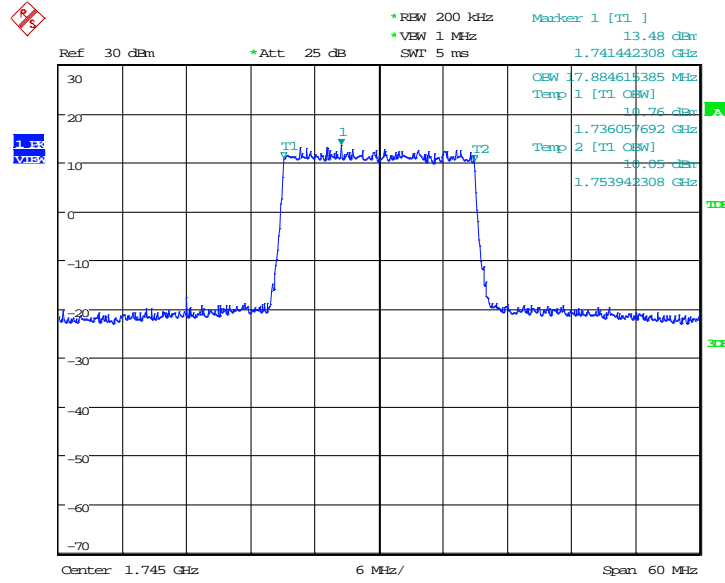
Date: 31.MAY.2019 19:30:04

LTE band 66, 20MHz Bandwidth, 16QAM (99% BW)



Date: 31.MAY.2019 19:30:18

LTE band 66, 20MHz Bandwidth, 64QAM (99% BW)

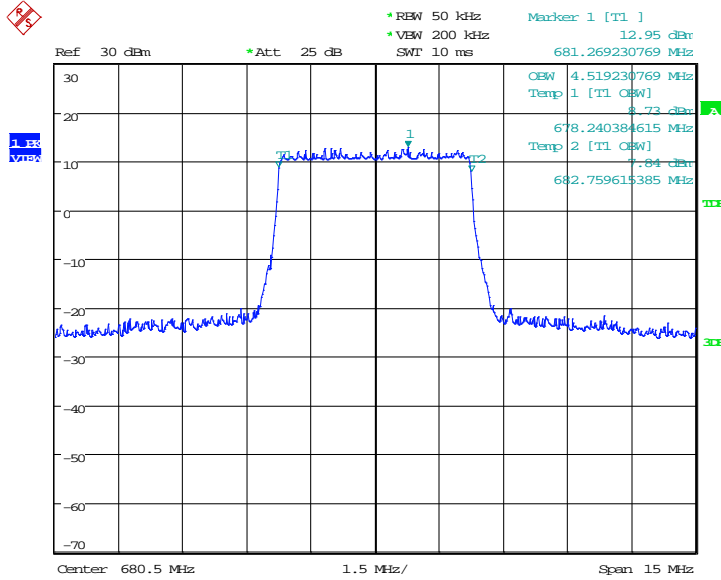


Date: 3.JUN.2019 07:49:02

LTE band 71, 5MHz (99% BW)

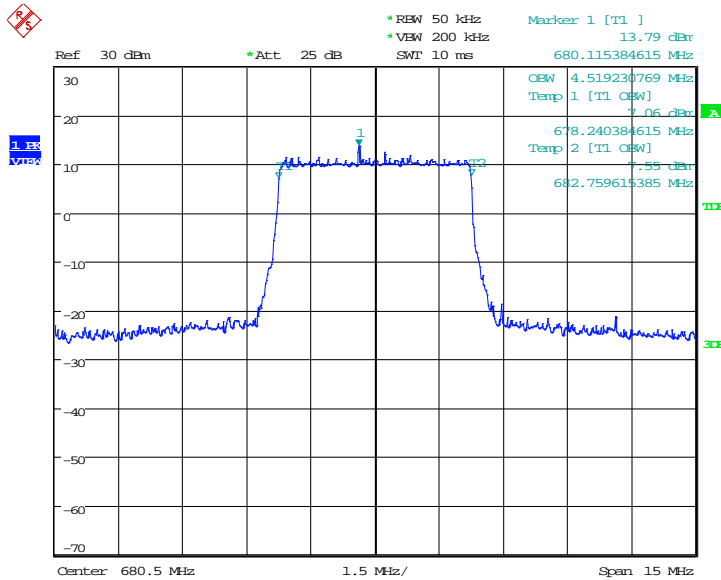
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	4519.23	4519.23	4495.19

LTE band 71, 5MHz Bandwidth, QPSK (99% BW)



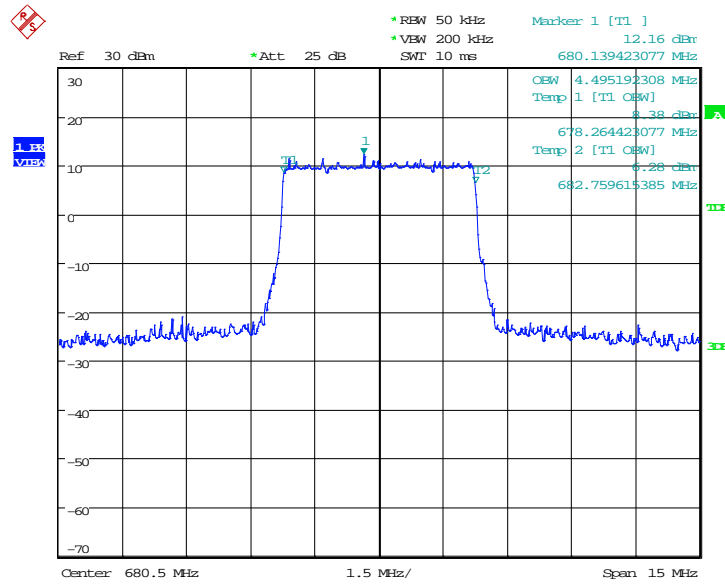
Date: 10.JUN.2019 13:26:38

LTE band 71, 5MHz Bandwidth,16QAM (99% BW)



Date: 10.JUN.2019 13:28:10

LTE band 71, 5MHz Bandwidth, 64QAM (99% BW)

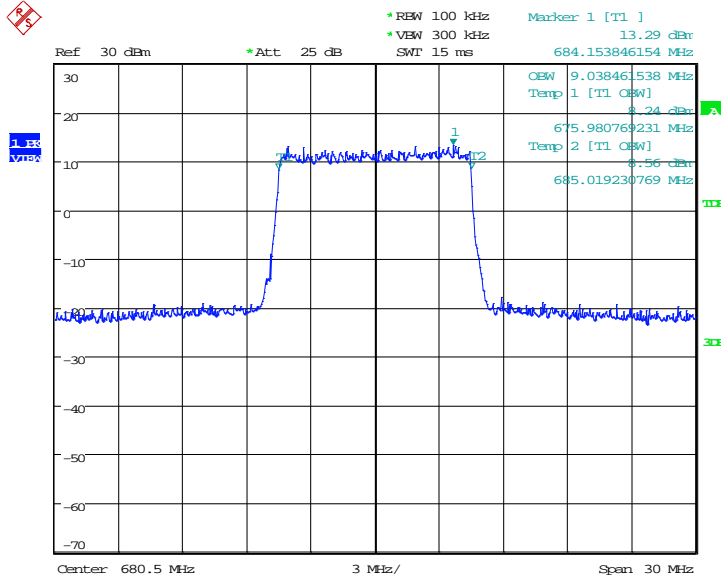


Date: 10.JUN.2019 13:28:35

LTE band 71, 10MHz (99% BW)

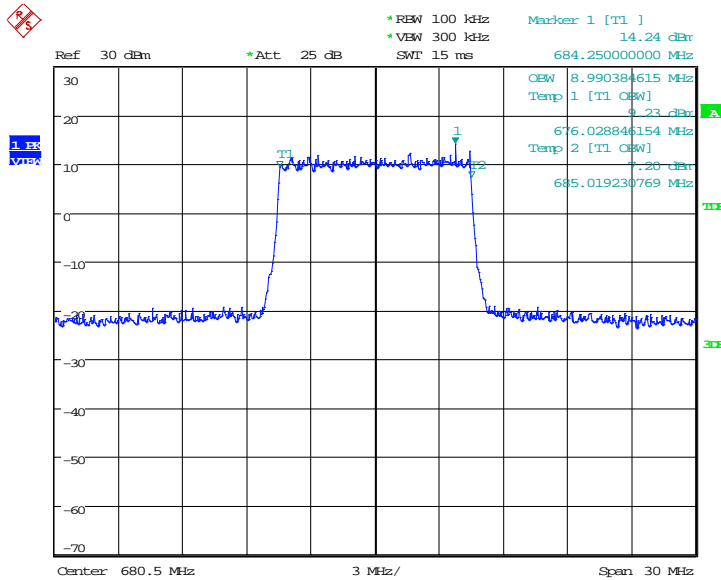
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	9038.46	8990.38	8990.38

LTE band 71, 10MHz Bandwidth, QPSK (99% BW)



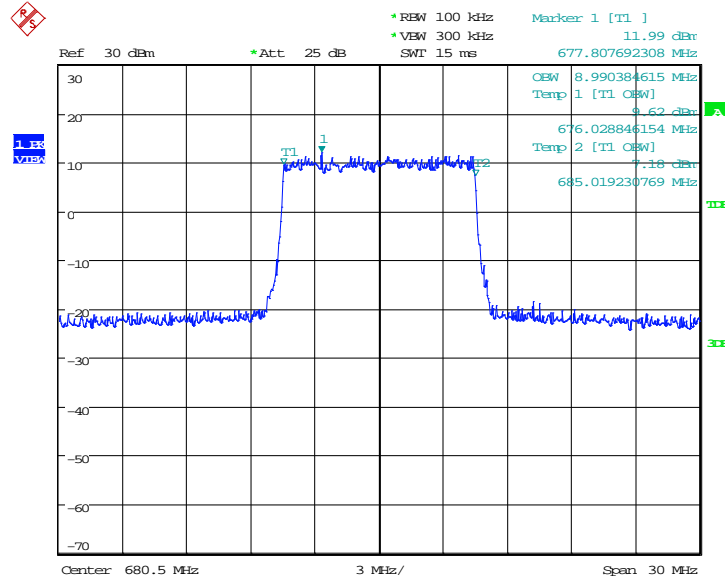
Date: 10.JUN.2019 13:42:21

LTE band 71, 10MHz Bandwidth, 16QAM (99% BW)



Date: 10.JUN.2019 13:41:49

LTE band 71, 10MHz Bandwidth, 64QAM (99% BW)

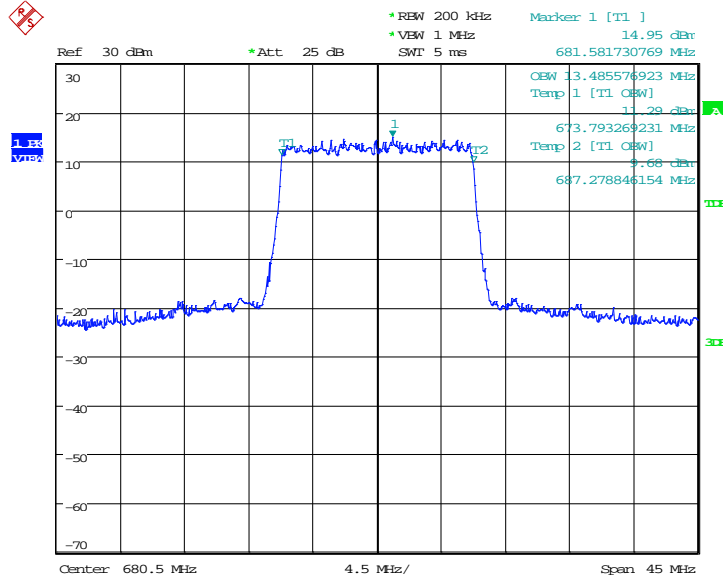


Date: 10.JUN.2019 13:41:27

LTE band 71, 15MHz (99% BW)

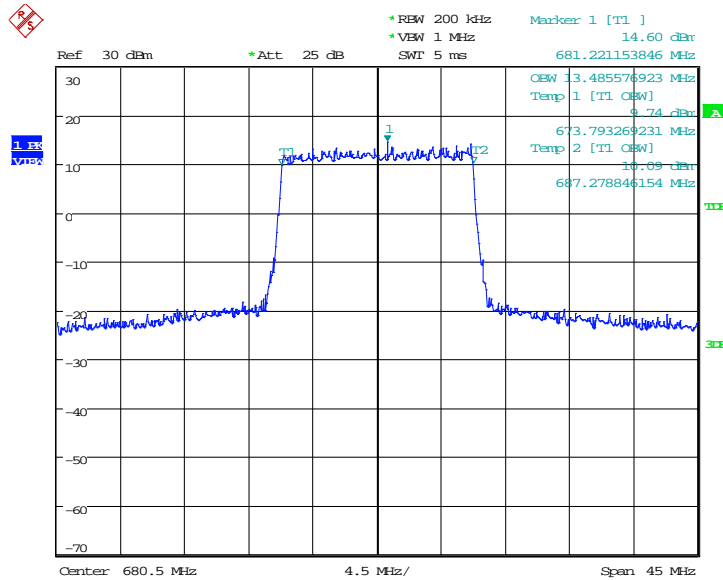
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	13485.58	13485.58	13485.58

LTE band 71, 15MHz Bandwidth, QPSK (99% BW)



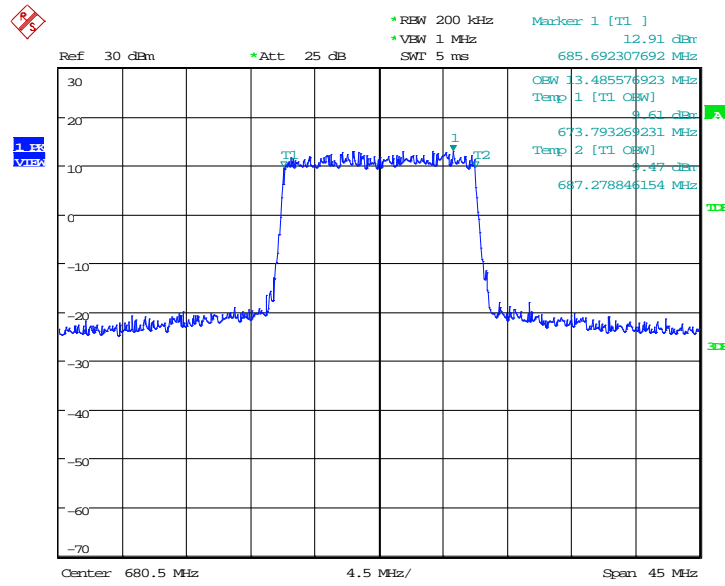
Date: 10.JUN.2019 13:44:05

LTE band 71, 15MHz Bandwidth, 16QAM (99% BW)



Date: 10.JUN.2019 13:44:35

LTE band 71, 15MHz Bandwidth, 64QAM (99% BW)

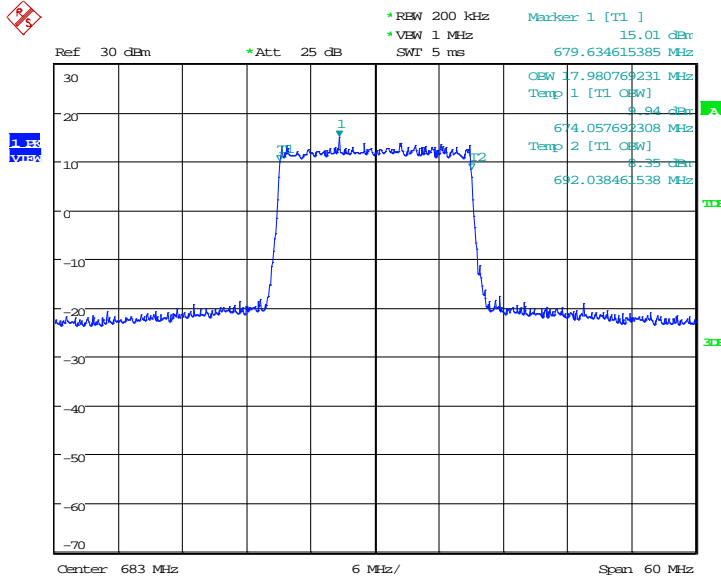


Date: 10.JUN.2019 13:44:53

LTE band 71, 20MHz (99% BW)

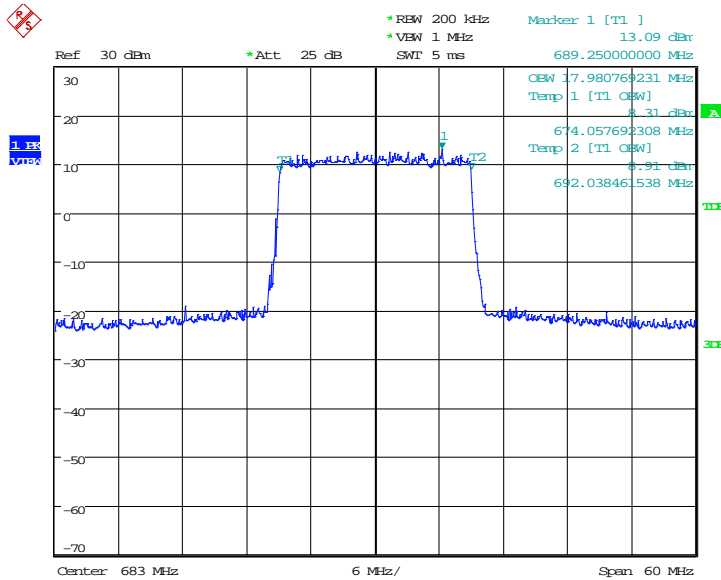
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
683.0	17980.77	17980.77	17980.77

LTE band 71, 20MHz Bandwidth, QPSK (99% BW)



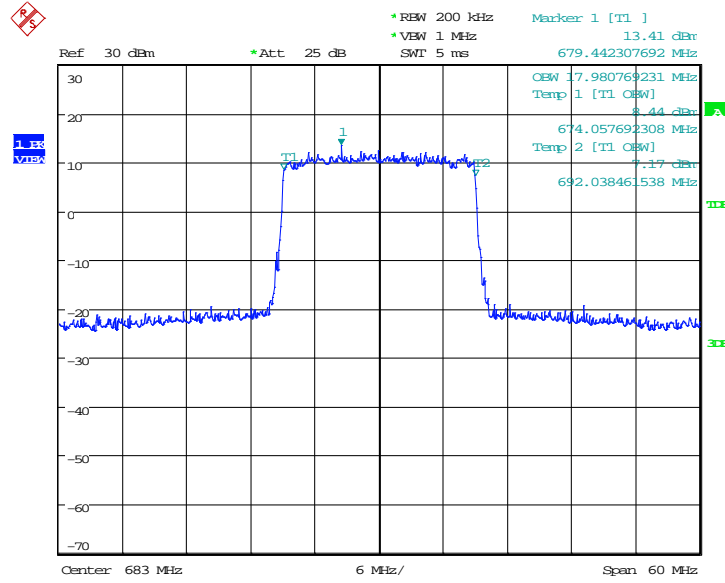
Date: 10.JUN.2019 13:50:14

LTE band 71, 20MHz Bandwidth, 16QAM (99% BW)



Date: 10.JUN.2019 13:49:43

LTE band 71, 20MHz Bandwidth, 64QAM (99% BW)

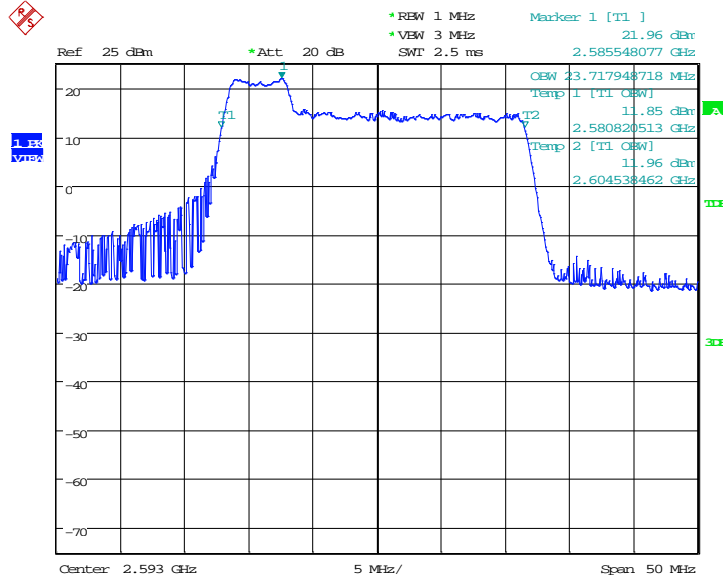


Date: 10.JUN.2019 13:49:27

LTE Band CA_41C, 5MHz+20MHz (99% BW)

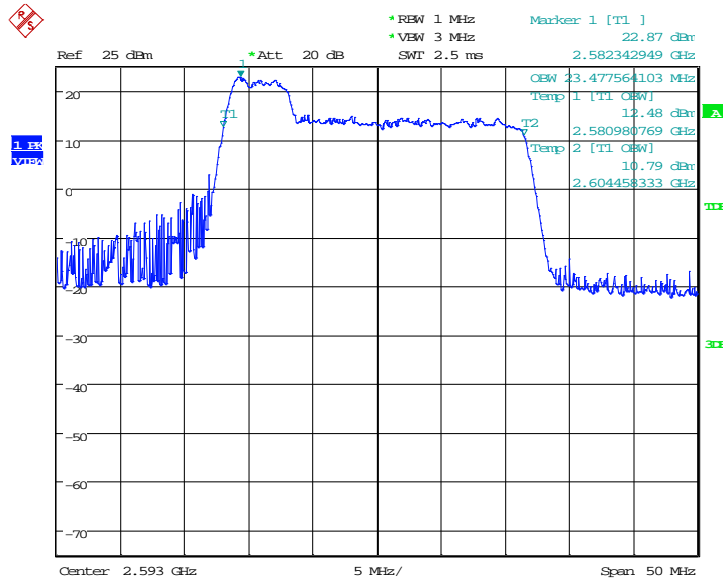
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	23717.95	23477.56	23477.56

LTE Band CA_41C, 5MHz+20MHz Bandwidth, QPSK (99% BW)



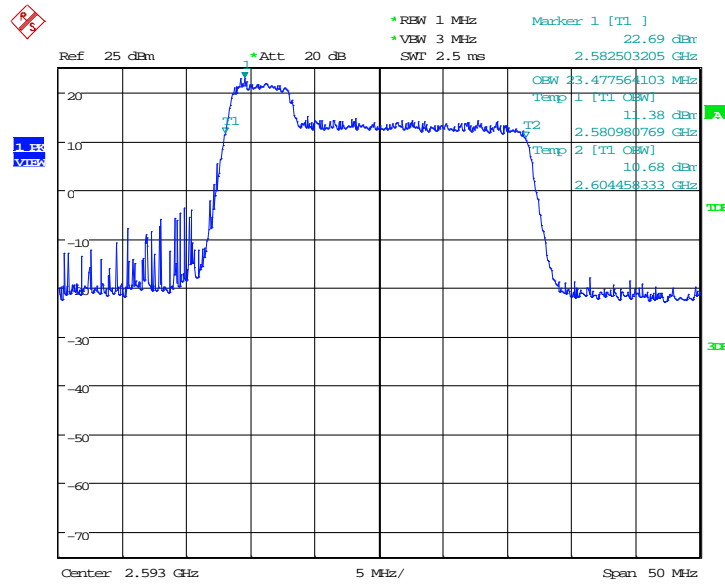
Date: 11.JUN.2019 06:20:42

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:22:02

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 64QAM (99% BW)

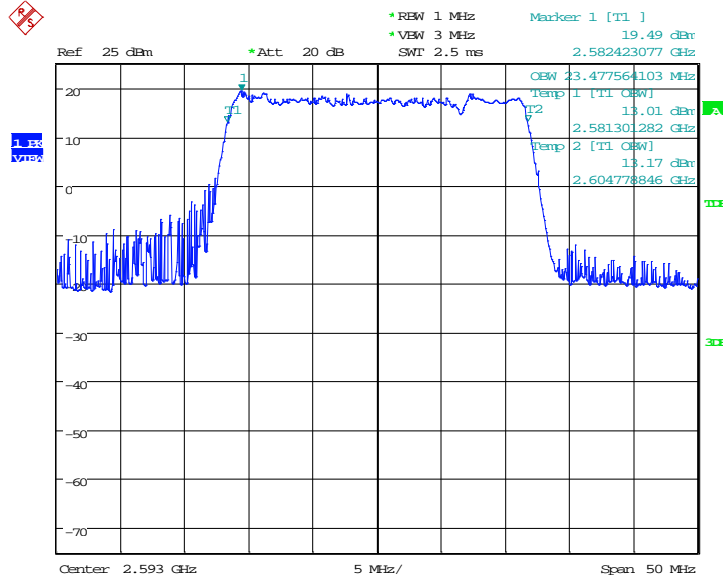


Date: 11.JUN.2019 06:22:19

LTE Band CA_41C, 20MHz+5MHz (99% BW)

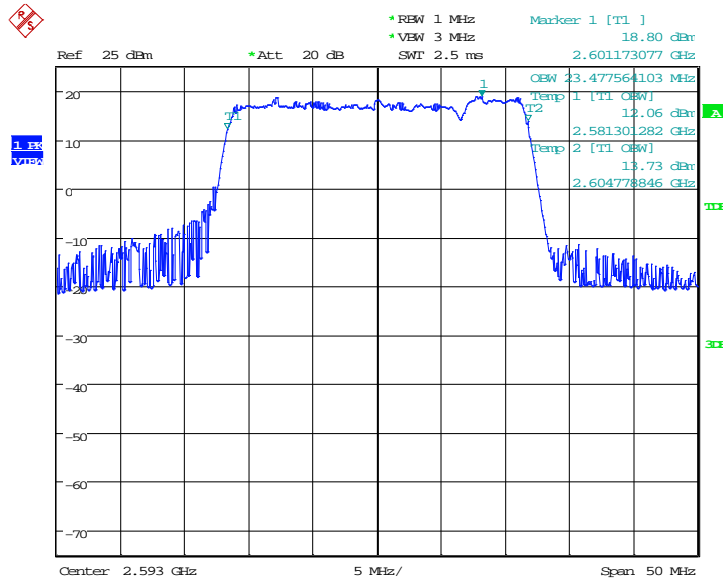
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	23477.56	23477.56	23397.44

LTE Band CA_41C, 20MHz+5MHz Bandwidth, QPSK (99% BW)



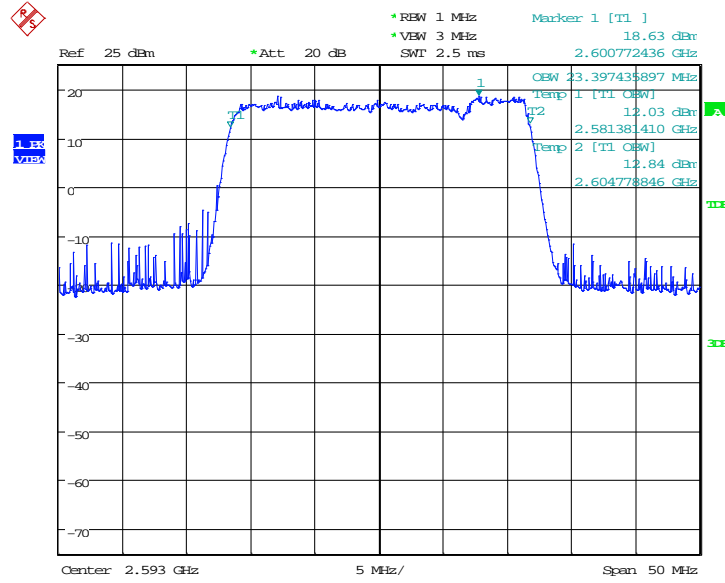
Date: 11.JUN.2019 06:34:32

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:33:52

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 64QAM (99% BW)

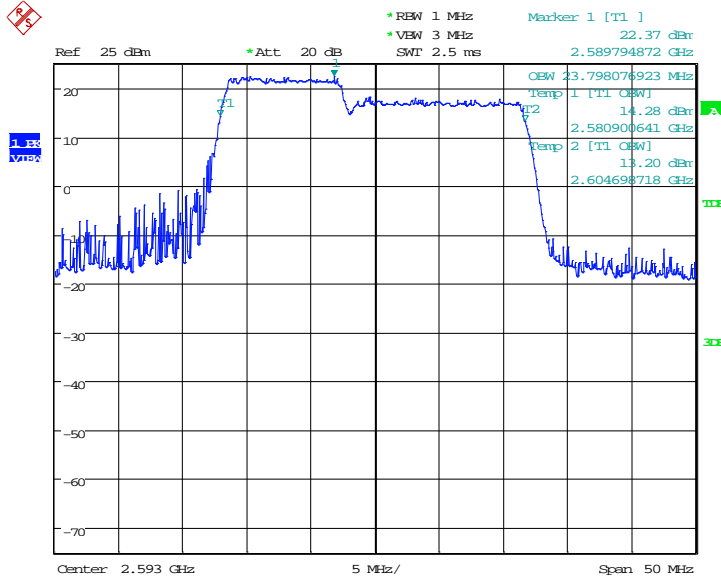


Date: 11.JUN.2019 06:33:10

LTE Band CA_41C, 10MHz+15MHz (99% BW)

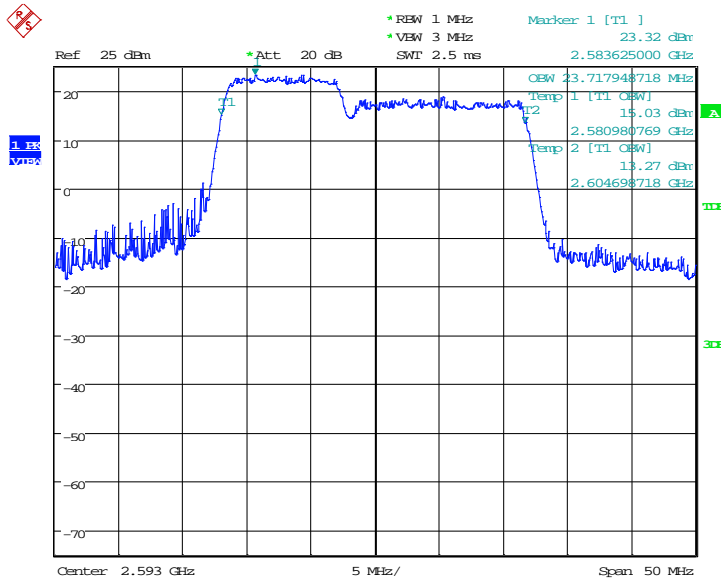
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	23798.08	23717.95	23717.95

LTE Band CA_41C, 10MHz+15MHz Bandwidth, QPSK (99% BW)



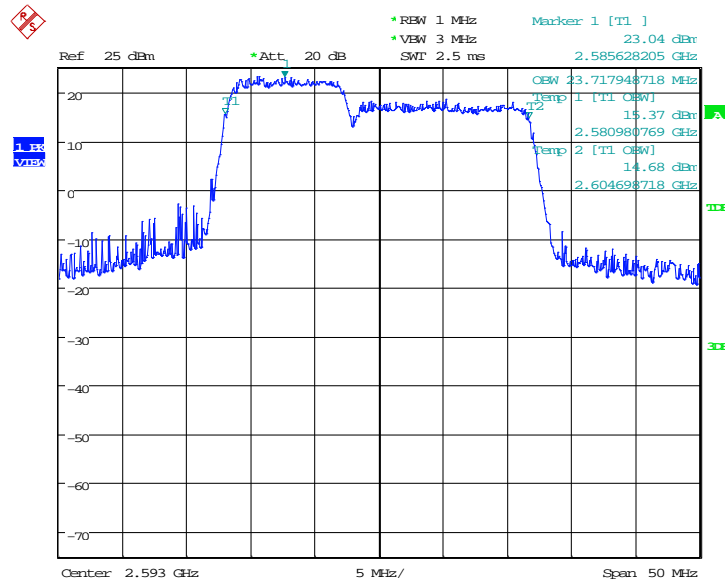
Date: 11.JUN.2019 06:36:57

LTE Band CA_41C, 10MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:37:37

LTE Band CA_41C, 10MHz+15MHz Bandwidth, 64QAM (99% BW)

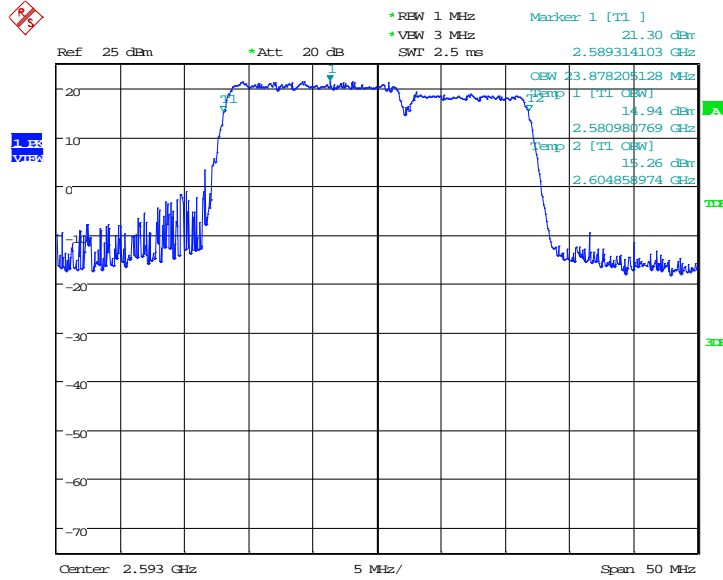


Date: 11.JUN.2019 06:37:51

LTE Band CA_41C, 15MHz+10MHz (99% BW)

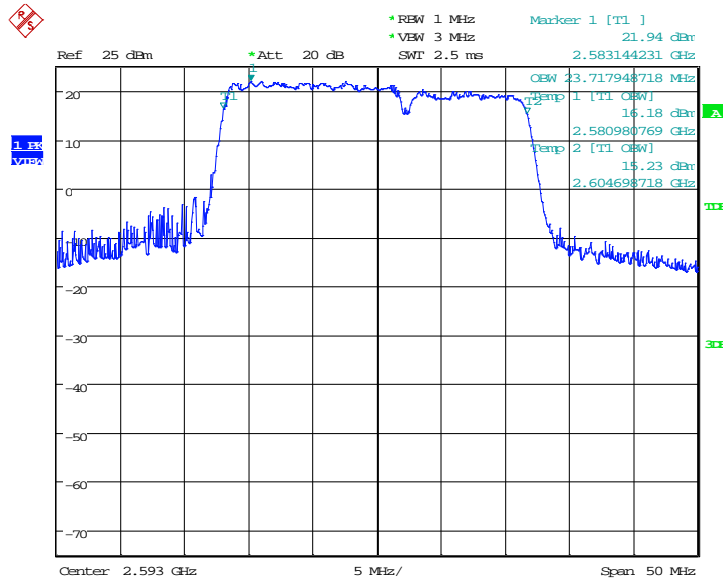
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	23878.21	23717.95	23637.82

LTE Band CA_41C, 15MHz+10MHz Bandwidth, QPSK (99% BW)



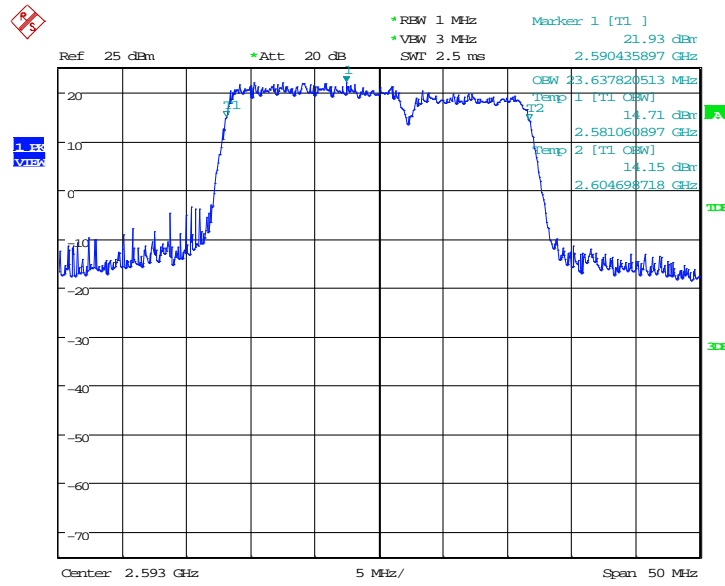
Date: 11.JUN.2019 06:44:04

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:43:22

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 64QAM (99% BW)

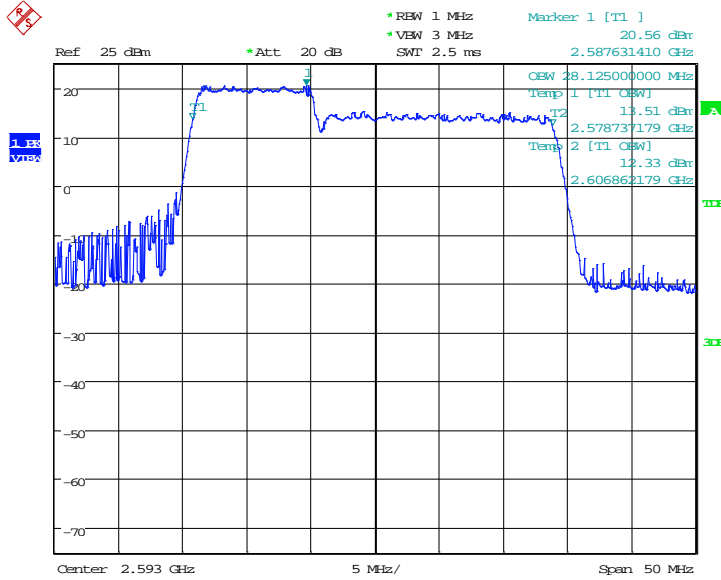


Date: 11.JUN.2019 06:42:41

LTE Band CA_41C, 10MHz+20MHz (99% BW)

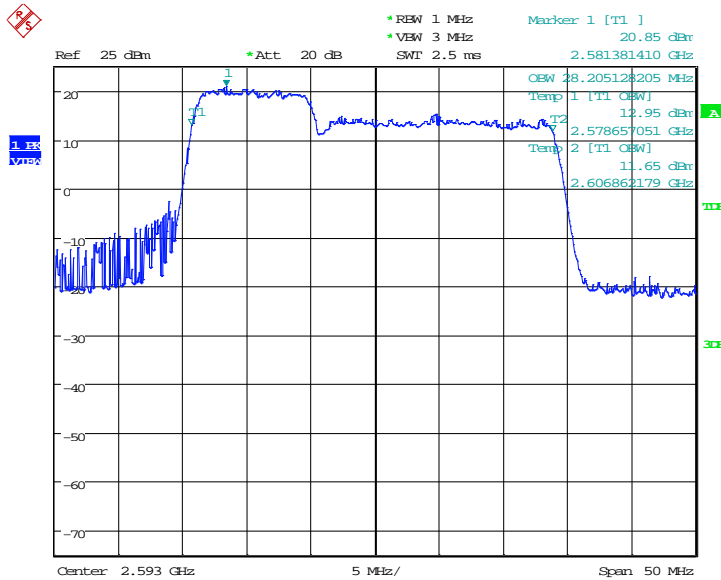
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	28125.00	28205.13	28125.00

LTE Band CA_41C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



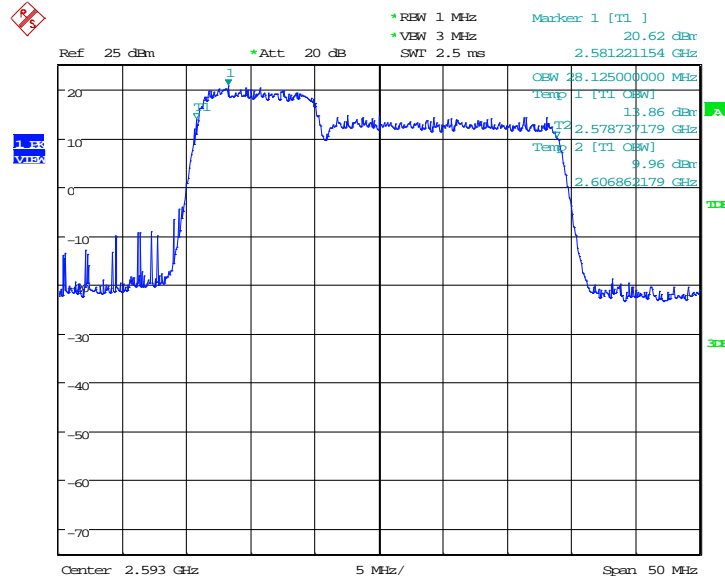
Date: 11.JUN.2019 06:46:09

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:46:55

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 64QAM (99% BW)

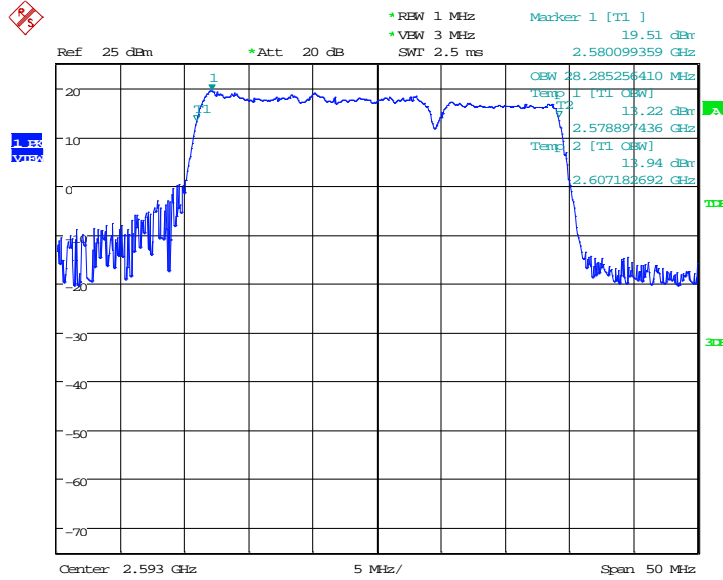


Date: 11.JUN.2019 06:47:09

LTE Band CA_41C, 20MHz+10MHz (99% BW)

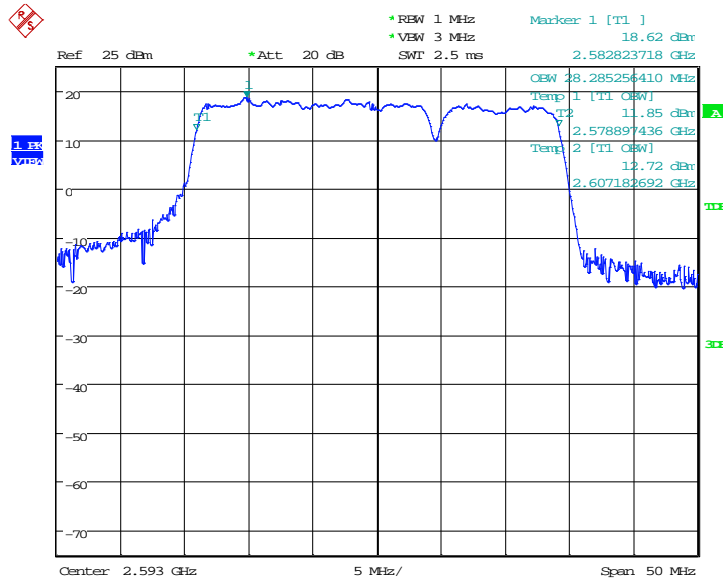
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	28285.26	28285.26	28205.13

LTE Band CA_41C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



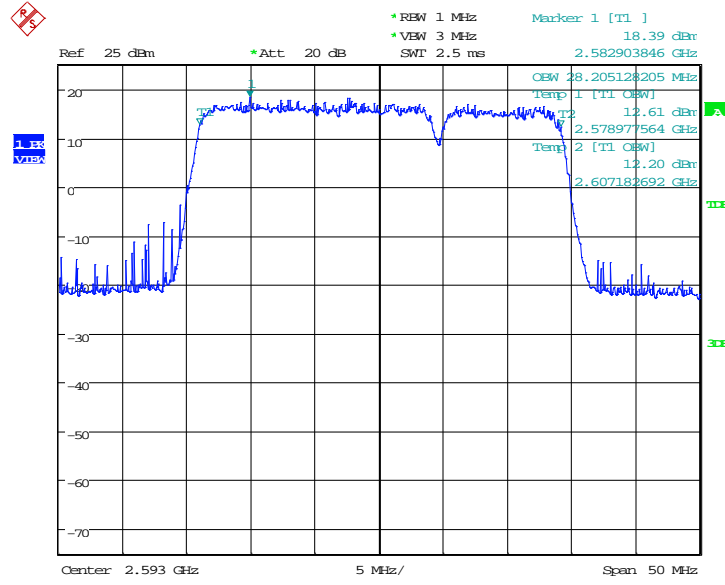
Date: 11.JUN.2019 06:56:41

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:55:19

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 64QAM (99% BW)

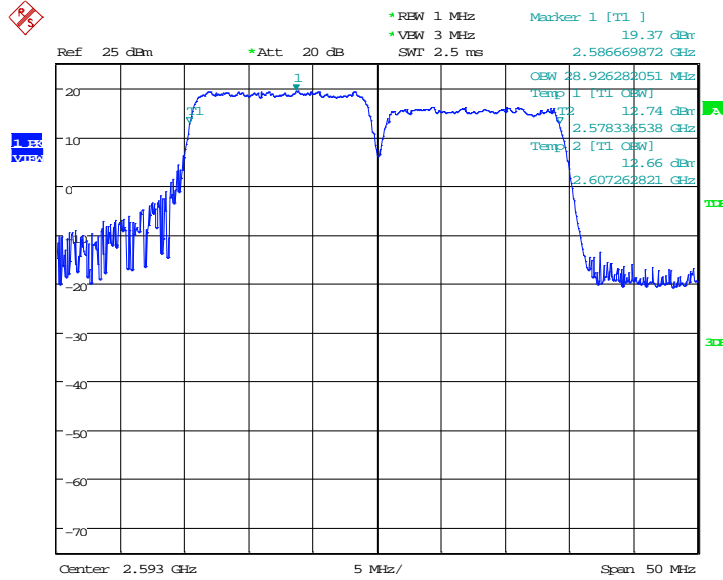


Date: 11.JUN.2019 06:53:18

LTE Band CA_41C, 15MHz+15MHz (99% BW)

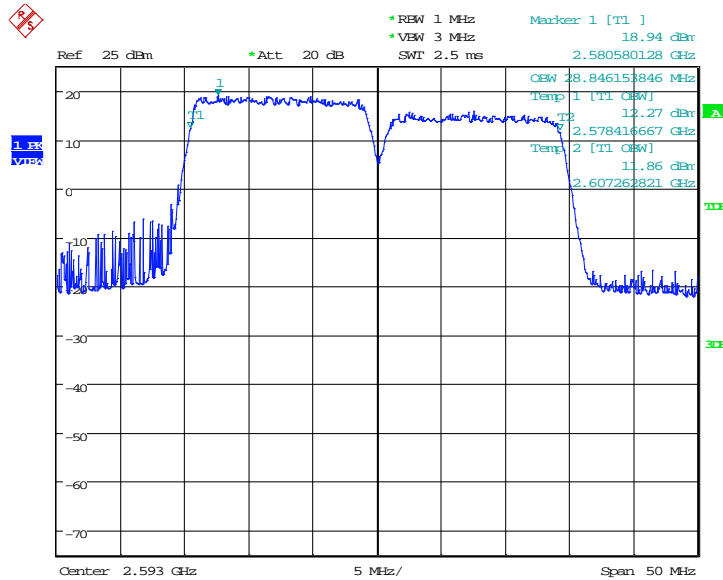
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	28926.28	28846.15	28685.90

LTE Band CA_41C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



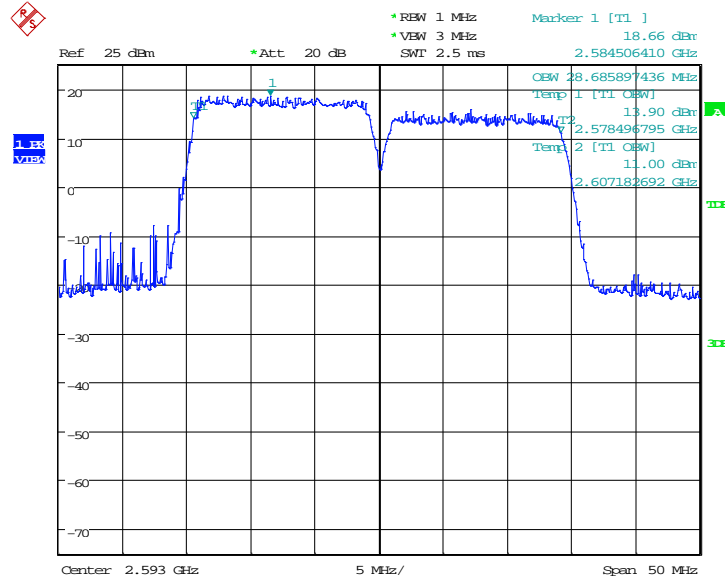
Date: 11.JUN.2019 06:58:43

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 06:59:26

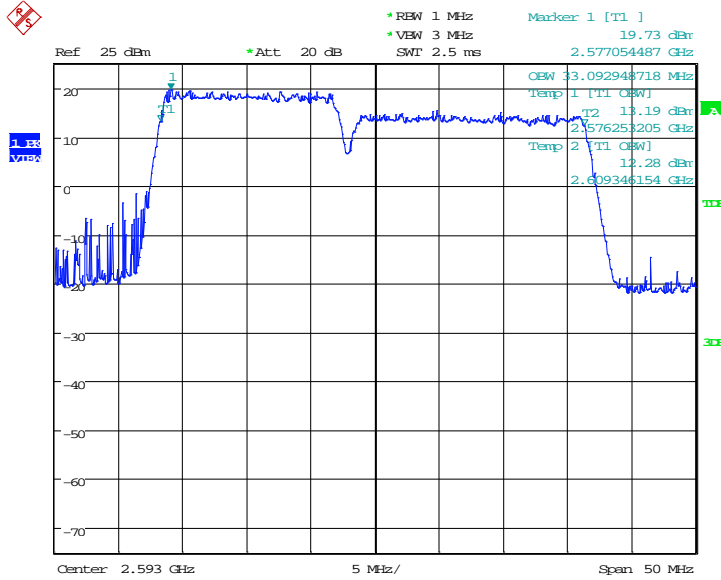
LTE Band CA_41C, 15MHz+15MHz Bandwidth, 64QAM (99% BW)



LTE Band CA_41C, 15MHz+20MHz (99% BW)

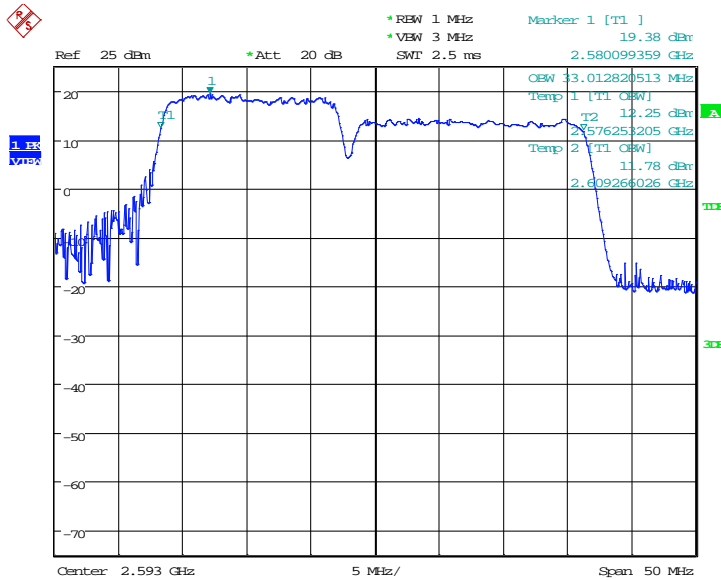
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	33092.95	33012.82	32852.56

LTE Band CA_41C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



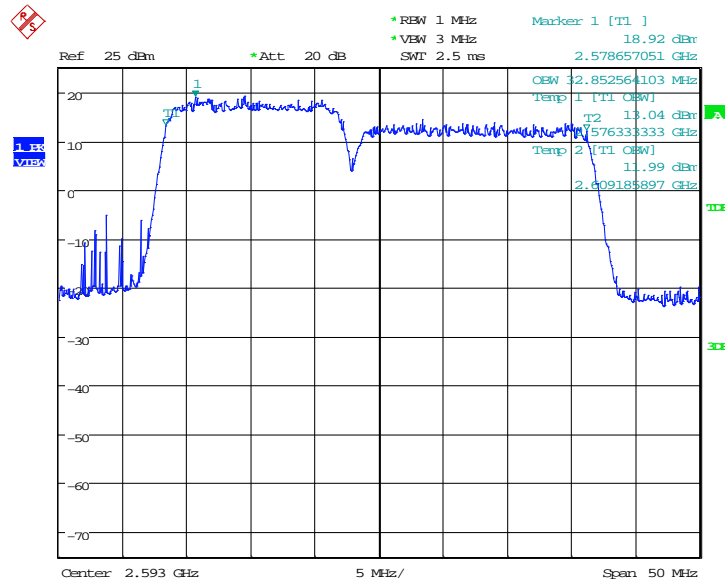
Date: 11.JUN.2019 07:07:56

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 07:07:20

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 64QAM (99% BW)

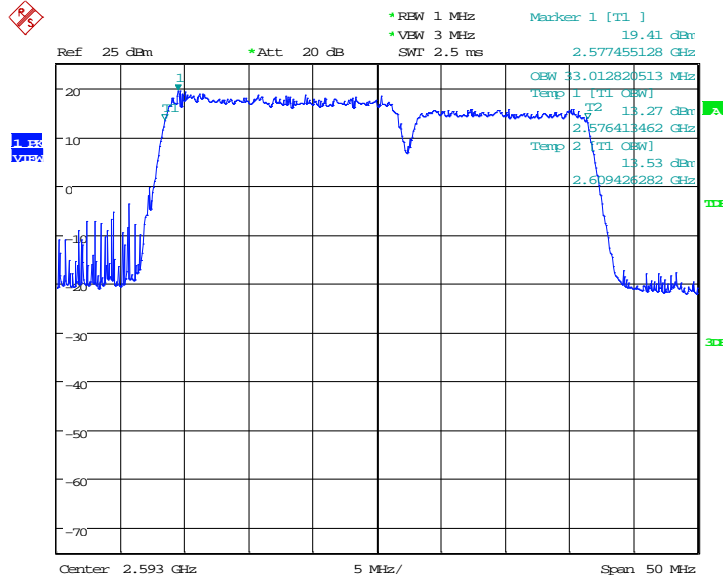


Date: 11.JUN.2019 07:06:01

LTE Band CA_41C, 20MHz+15MHz (99% BW)

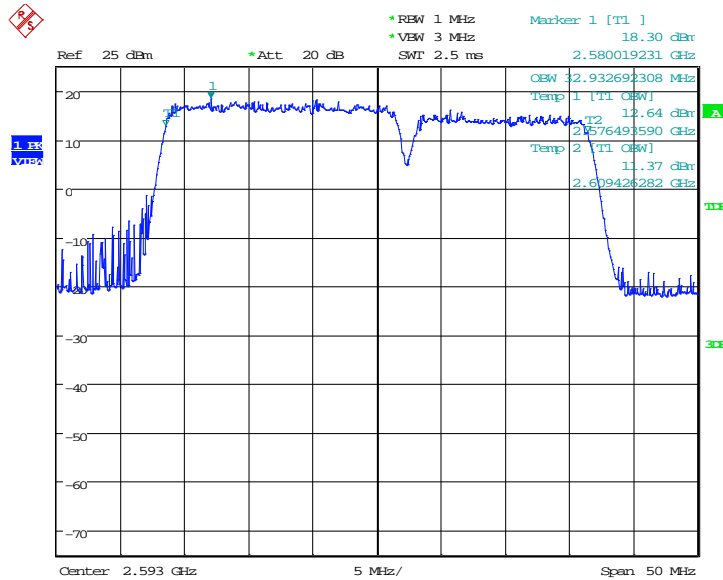
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	33012.82	32932.69	33012.82

LTE Band CA_41C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



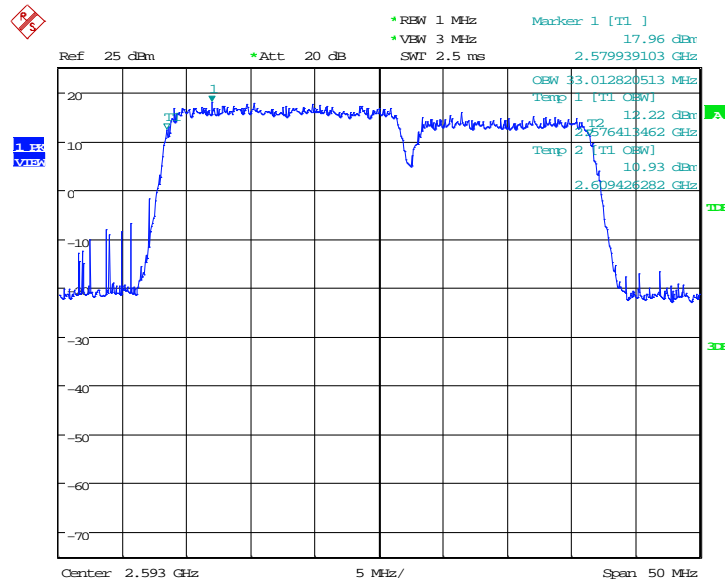
Date: 11.JUN.2019 07:09:07

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 07:09:42

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 64QAM (99% BW)

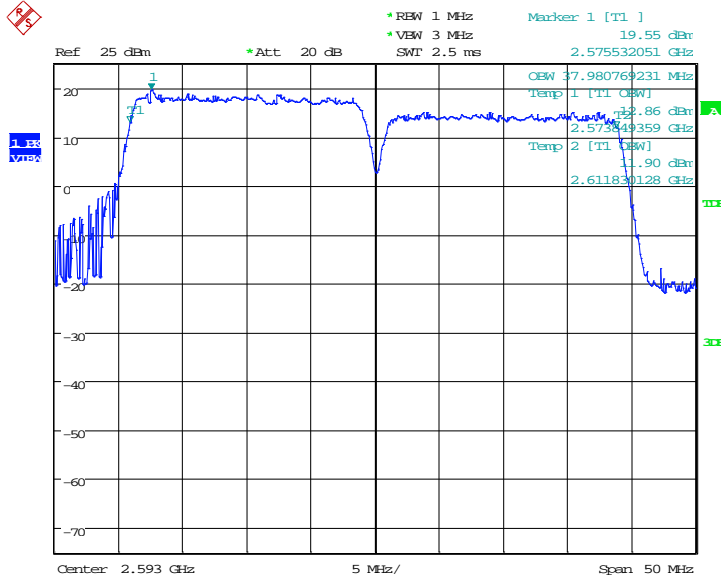


Date: 11.JUN.2019 07:09:56

LTE Band CA_41C, 20MHz+20MHz (99% BW)

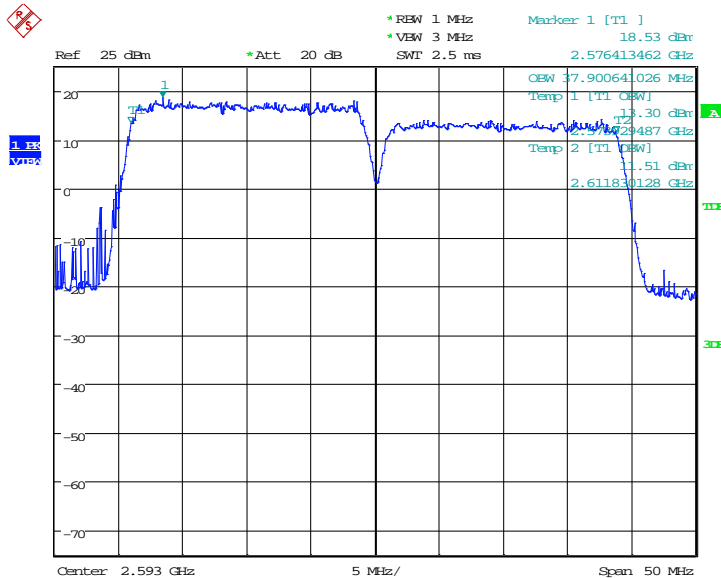
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	37980.77	37900.64	37820.51

LTE Band CA_41C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



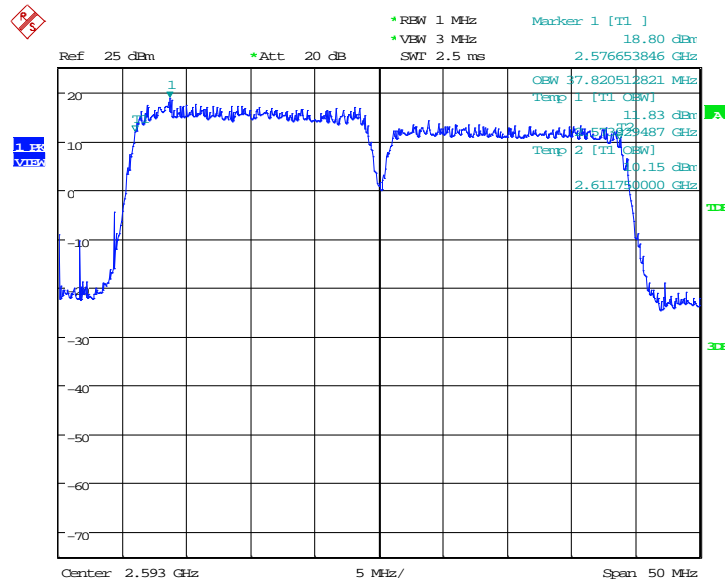
Date: 11.JUN.2019 07:15:52

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 11.JUN.2019 07:15:14

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 64QAM (99% BW)



Date: 11.JUN.2019 07:14:56

Note: Expanded measurement uncertainty is $U = 3428 \text{ Hz}$, $k = 2$

A.5 EMISSION BANDWIDTH

Reference

FCC: CFR Part 2.1049, 22.917, 24.238, 27.53.

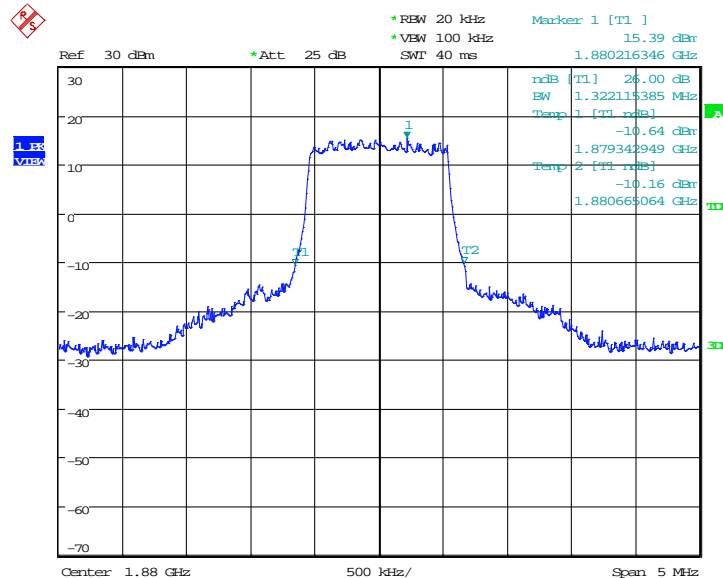
A.5.1 Emission Bandwidth Results

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

LTE band 2, 1.4MHz (-26dBc BW)

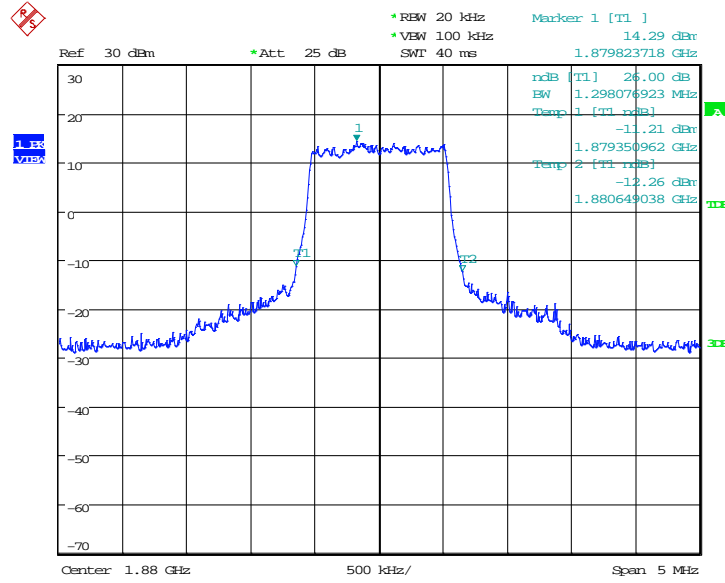
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	1322.12	1298.08	1290.06

LTE band 2, 1.4MHz Bandwidth, QPSK (-26dBc BW)



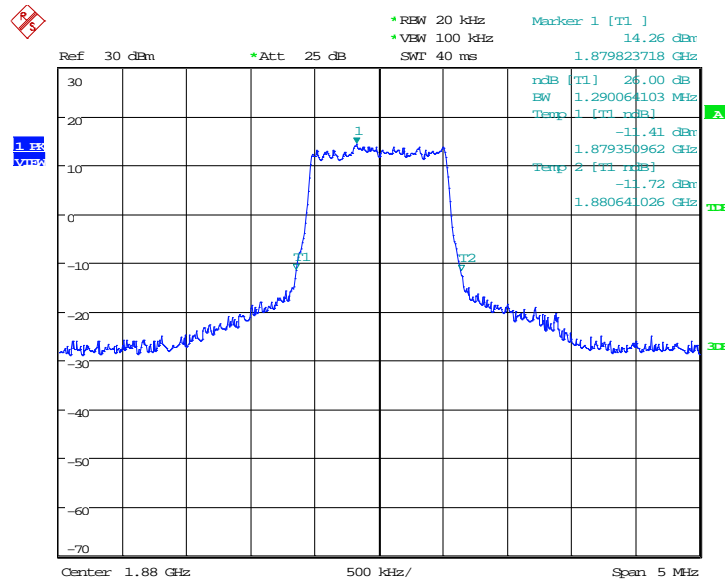
Date: 31.MAY.2019 17:50:26

LTE band 2, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:50:42

LTE band 2, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

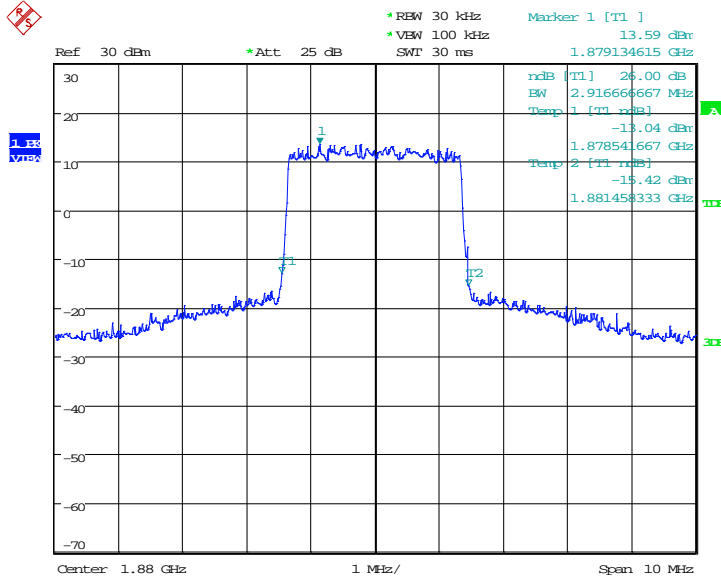


Date: 3.JUN.2019 06:21:08

LTE band 2, 3MHz (-26dBc BW)

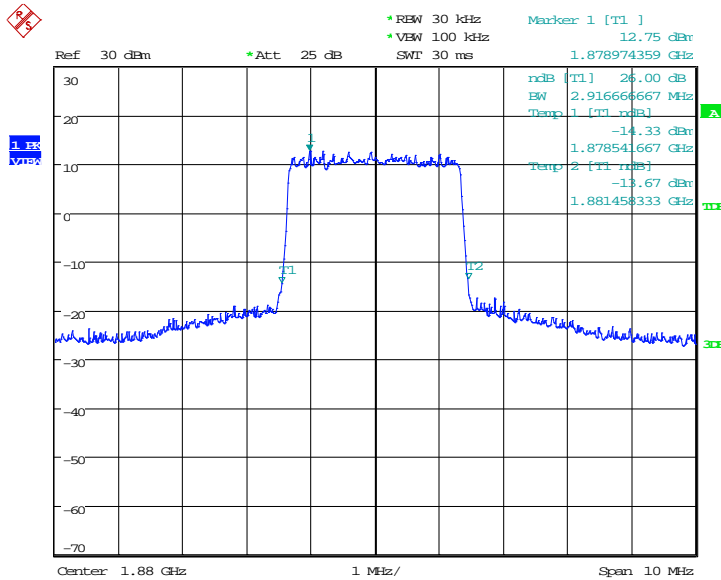
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	2916.67	2916.67	2884.62

LTE band 2, 3MHz Bandwidth, QPSK (-26dBc BW)



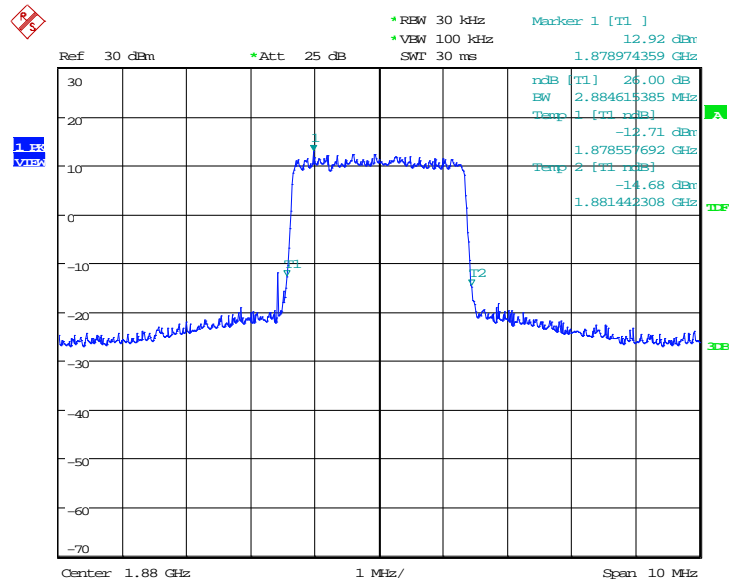
Date: 31.MAY.2019 17:53:34

LTE band 2, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:53:50

LTE band 2, 3MHz Bandwidth, 64QAM (-26dBc BW)

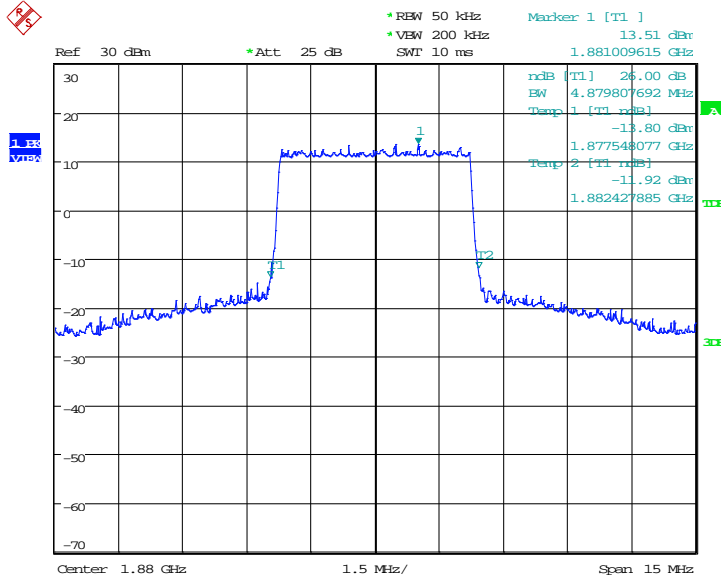


Date: 3.JUN.2019 06:23:41

LTE band 2, 5MHz (-26dBc BW)

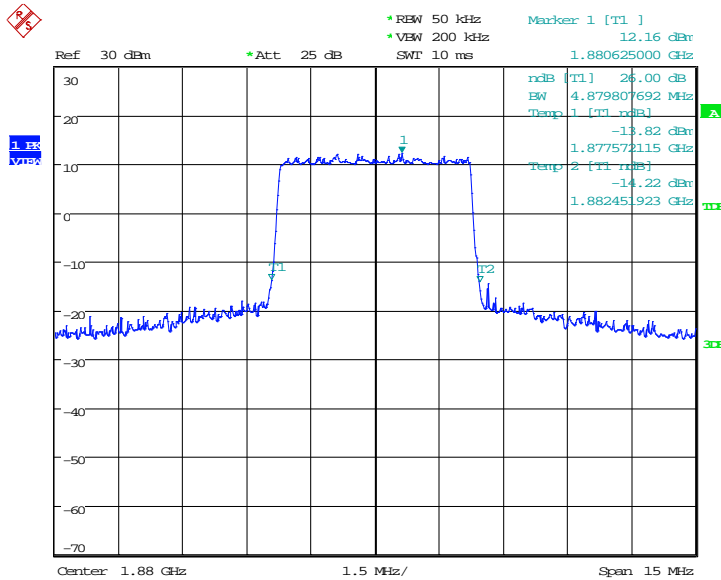
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	4879.81	4879.81	4855.77

LTE band 2, 5MHz Bandwidth, QPSK (-26dBc BW)



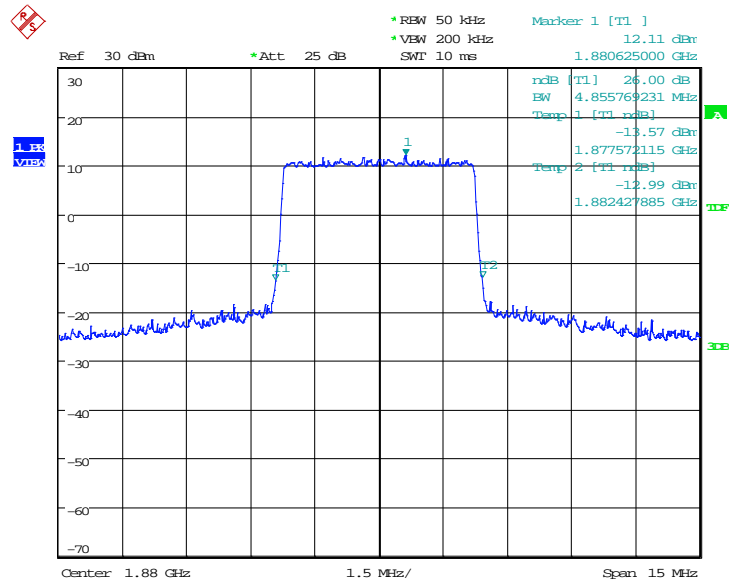
Date: 31.MAY.2019 17:56:42

LTE band 2, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:56:58

LTE band 2, 5MHz Bandwidth,64QAM (-26dBc BW)

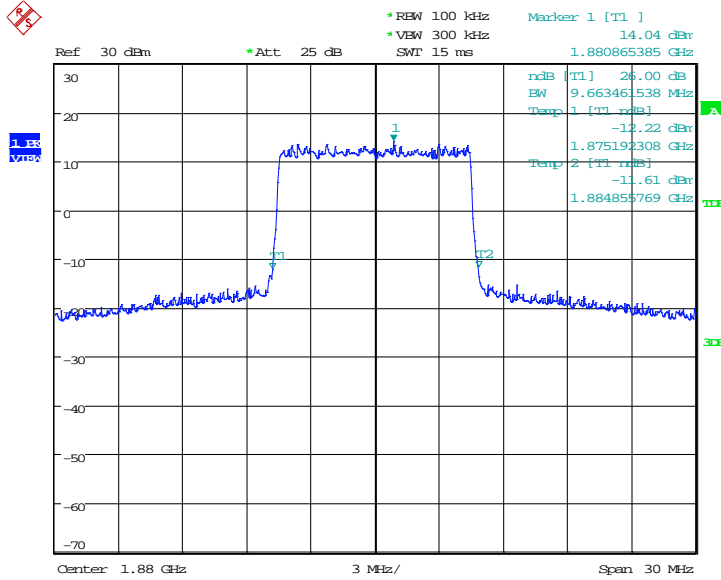


Date: 3.JUN.2019 06:26:13

LTE band 2, 10MHz (-26dBc BW)

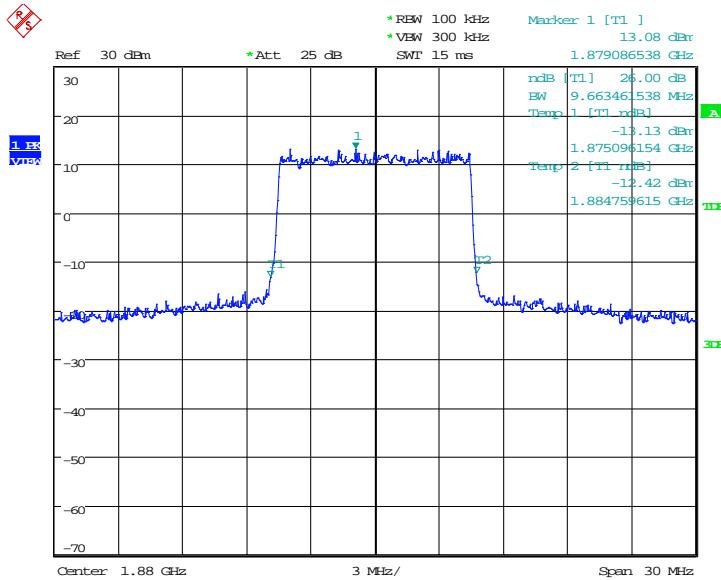
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	9663.46	9663.46	9663.46

LTE band 2, 10MHz Bandwidth, QPSK (-26dBc BW)



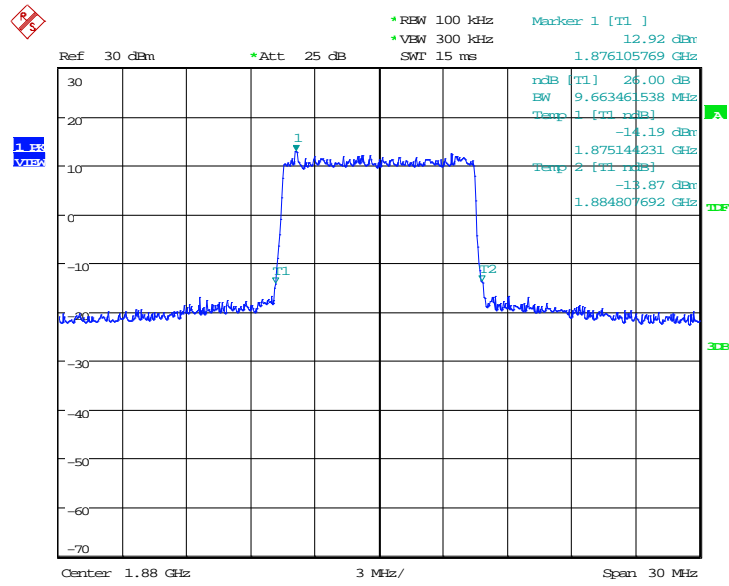
Date: 31.MAY.2019 17:59:51

LTE band 2, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:00:06

LTE band 2, 10MHz Bandwidth, 64QAM (-26dBc BW)

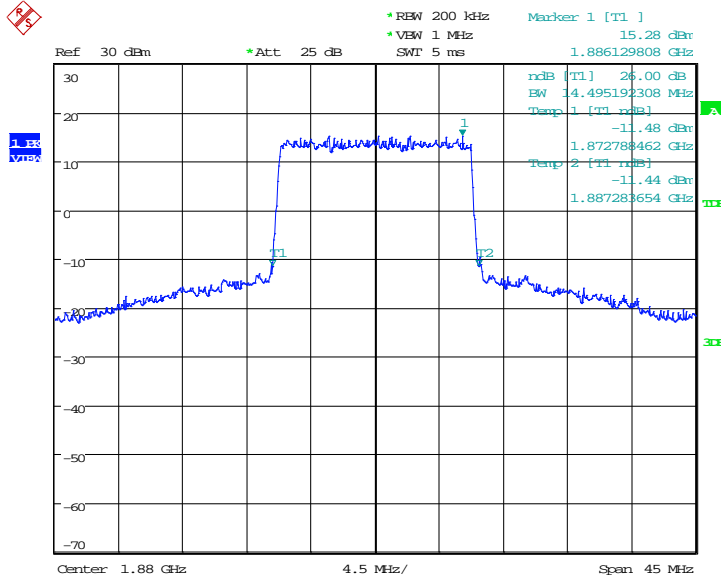


Date: 3.JUN.2019 06:28:46

LTE band 2, 15MHz (-26dBc BW)

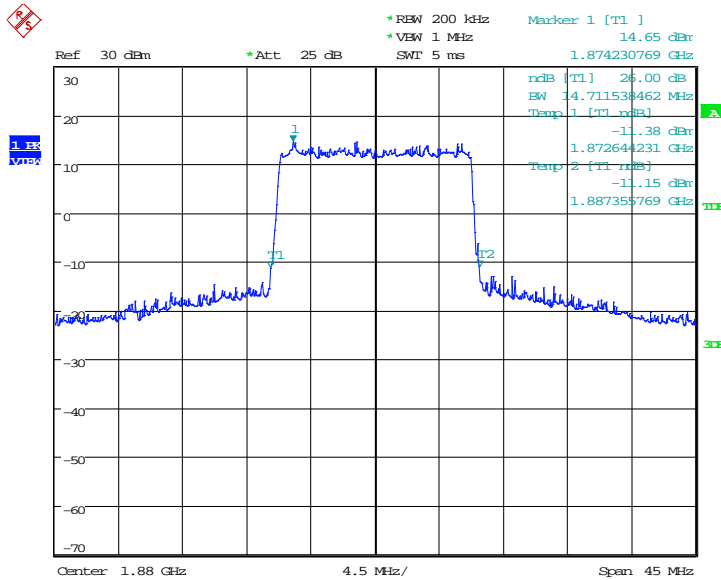
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	14495.19	14711.54	14495.19

LTE band 2, 15MHz Bandwidth, QPSK (-26dBc BW)



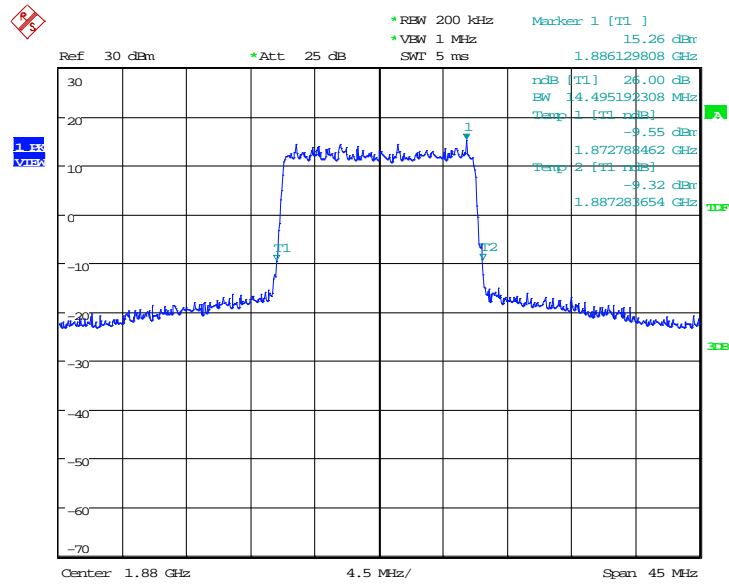
Date: 31.MAY.2019 18:02:59

LTE band 2, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:03:15

LTE band 2, 15MHz Bandwidth, 64QAM (-26dBc BW)

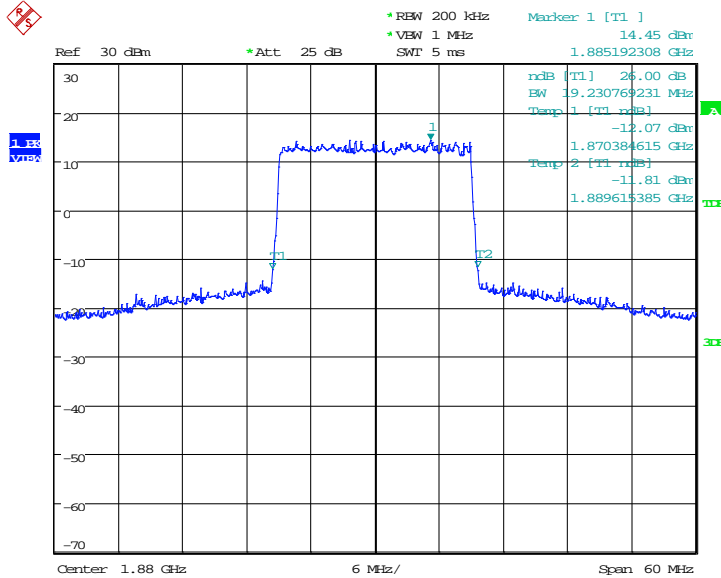


Date: 3.JUN.2019 06:31:19

LTE band 2, 20MHz (-26dBc BW)

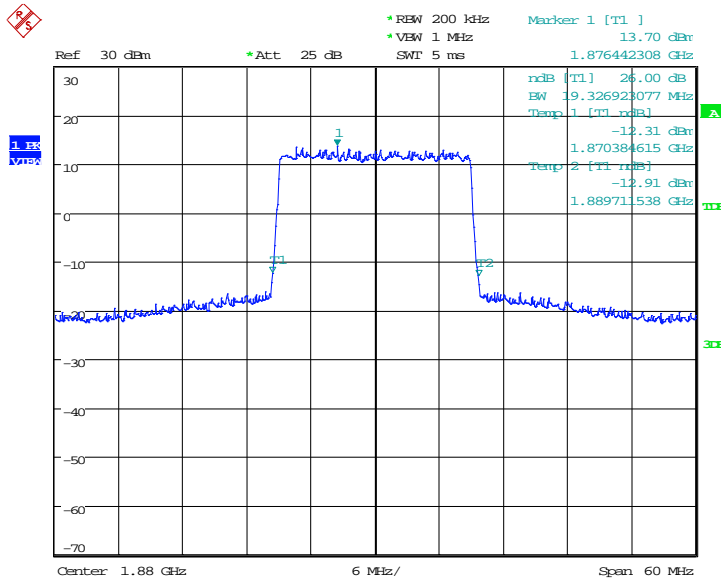
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	19230.77	19326.92	19326.92

LTE band 2, 20MHz Bandwidth, QPSK (-26dBc BW)



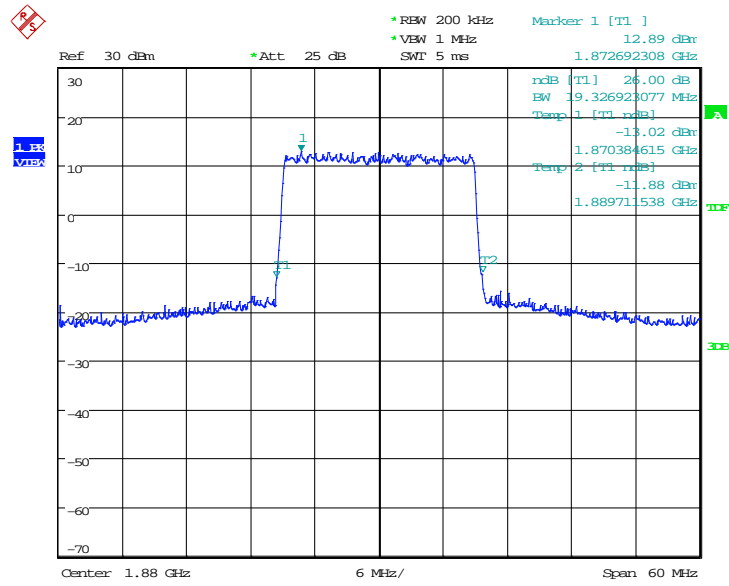
Date: 31.MAY.2019 18:06:08

LTE band 2, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:06:24

LTE band 2, 20MHz Bandwidth, 64QAM (-26dBc BW)

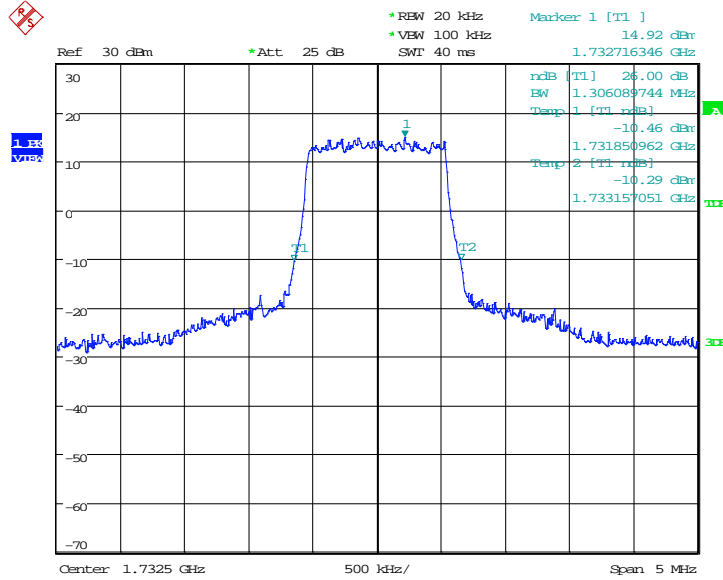


Date: 3.JUN.2019 06:33:52

LTE band 4, 1.4MHz (-26dBc BW)

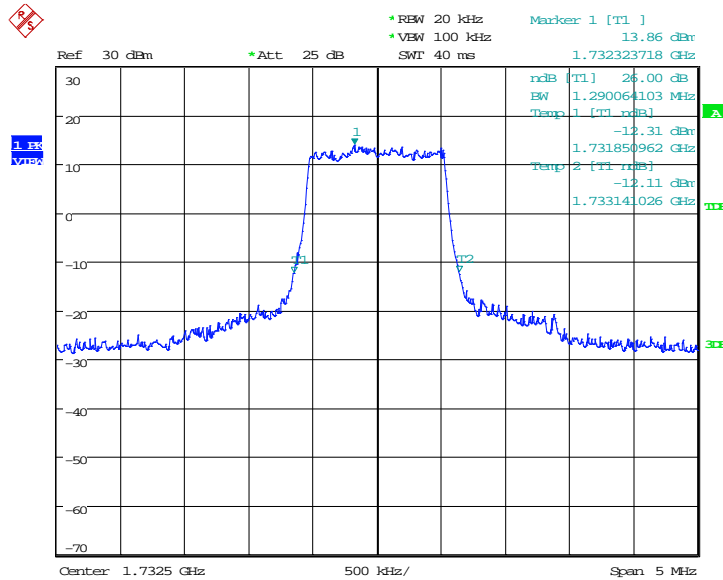
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1732.5	1306.09	1290.06	1290.06

LTE band 4, 1.4MHz Bandwidth, QPSK (-26dBc BW)



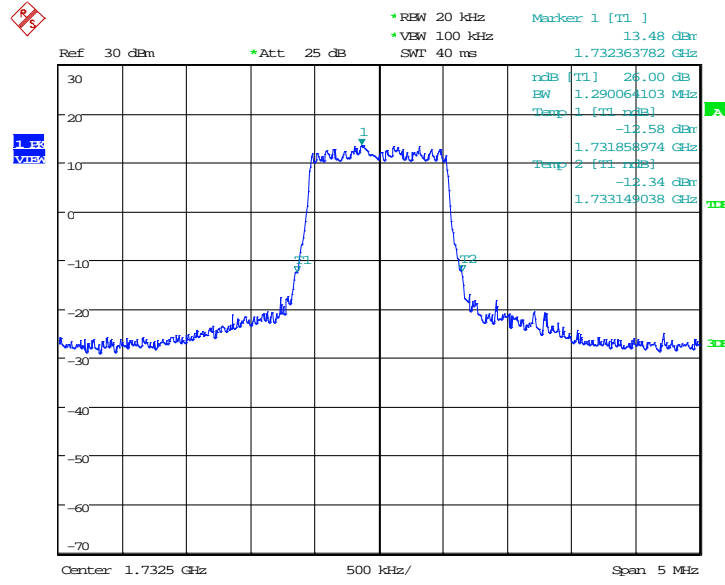
Date: 31.MAY.2019 18:09:19

LTE band 4, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:09:35

LTE band 4, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

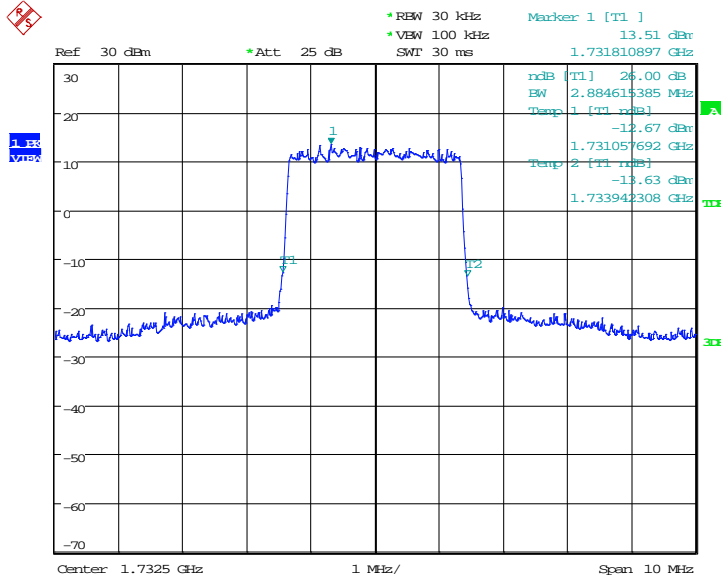


Date: 3.JUN.2019 06:36:30

LTE band 4, 3MHz (-26dBc BW)

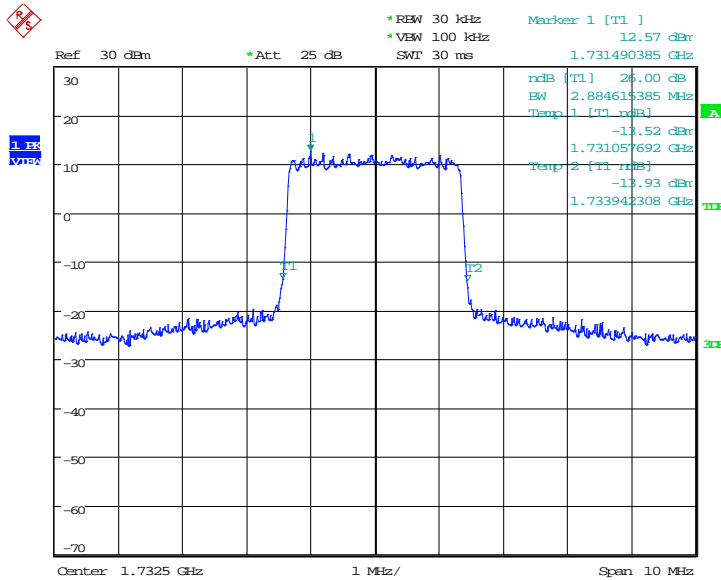
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	1732.5	QPSK	16QAM
2884.62		2884.62	2884.62

LTE band 4, 3MHz Bandwidth, QPSK (-26dBc BW)



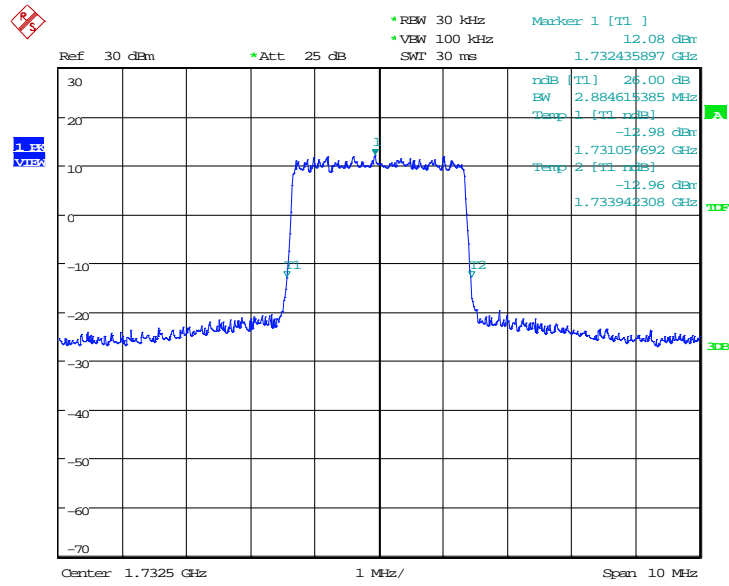
Date: 31.MAY.2019 18:12:28

LTE band 4, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:12:43

LTE band 4, 3MHz Bandwidth, 64QAM (-26dBc BW)

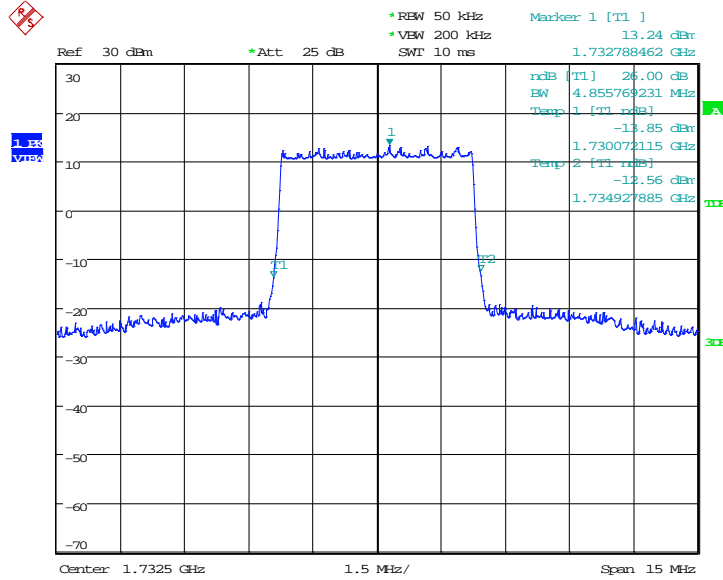


Date: 3.JUN.2019 06:39:03

LTE band 4, 5MHz (-26dBc BW)

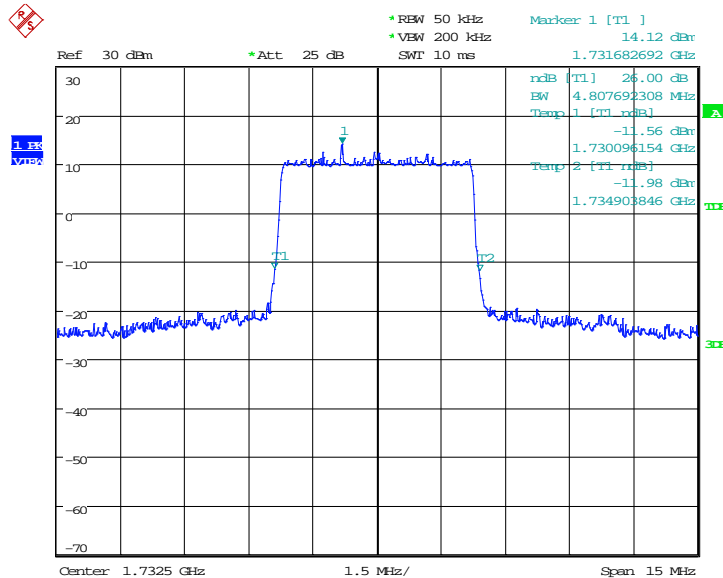
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1732.5	4855.77	4807.69	4855.77

LTE band 4, 5MHz Bandwidth, QPSK (-26dBc BW)



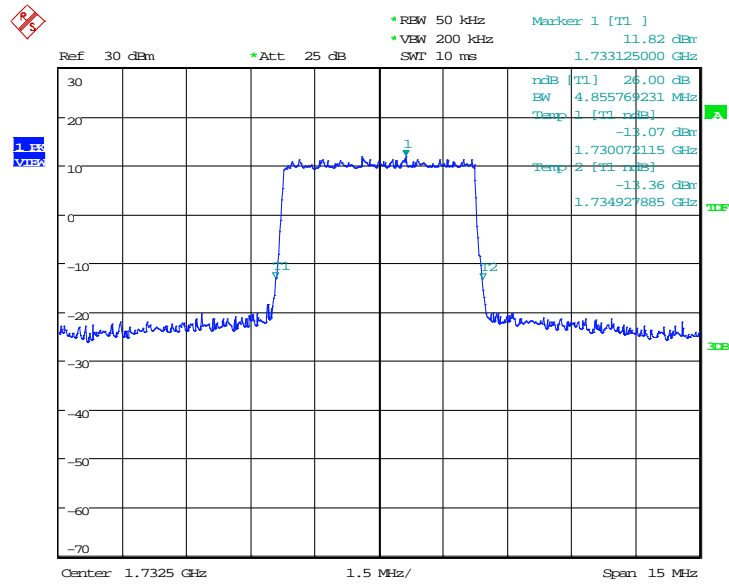
Date: 31.MAY.2019 18:15:36

LTE band 4, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:15:52

LTE band 4, 5MHz Bandwidth, 64QAM (-26dBc BW)

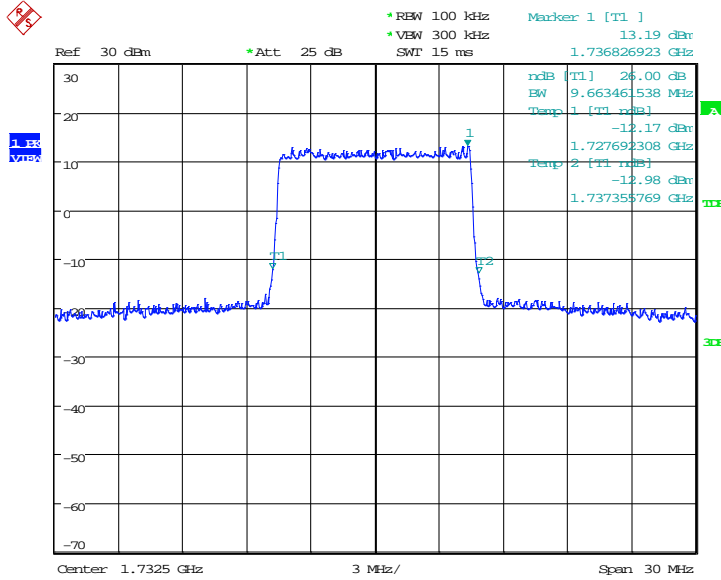


Date: 3.JUN.2019 06:41:36

LTE band 4, 10MHz (-26dBc BW)

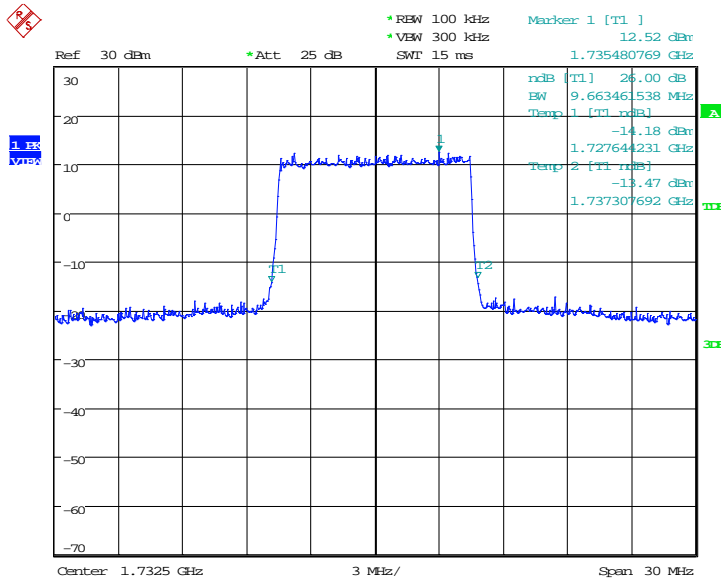
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1732.5	9663.46	9663.46	9663.46

LTE band 4, 10MHz Bandwidth, QPSK (-26dBc BW)



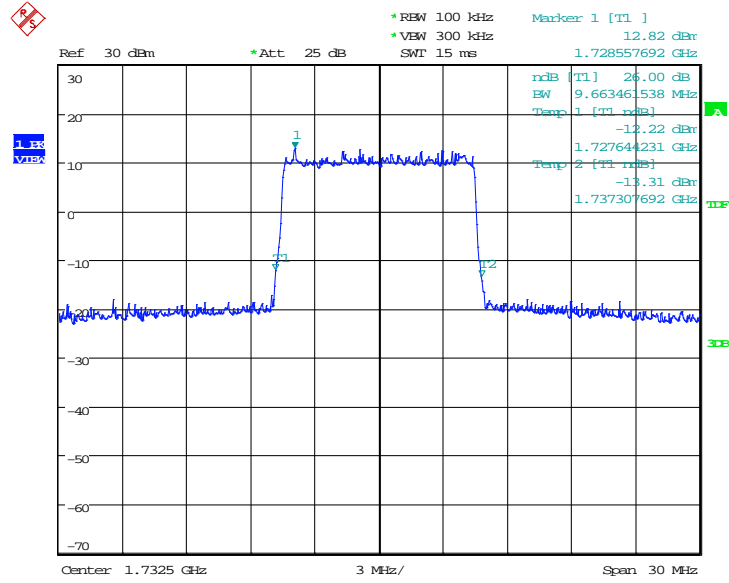
Date: 31.MAY.2019 18:18:44

LTE band 4, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:19:00

LTE band 4, 10MHz Bandwidth, 64QAM (-26dBc BW)

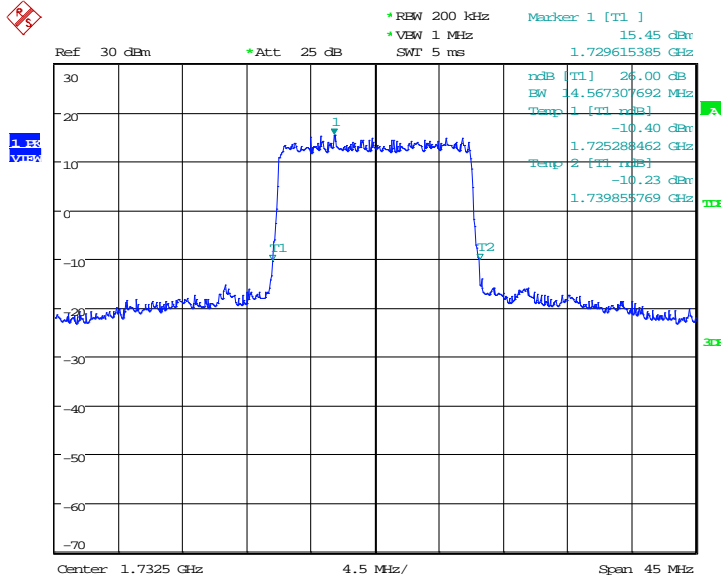


Date: 3.JUN.2019 06:44:09

LTE band 4, 15MHz (-26dBc BW)

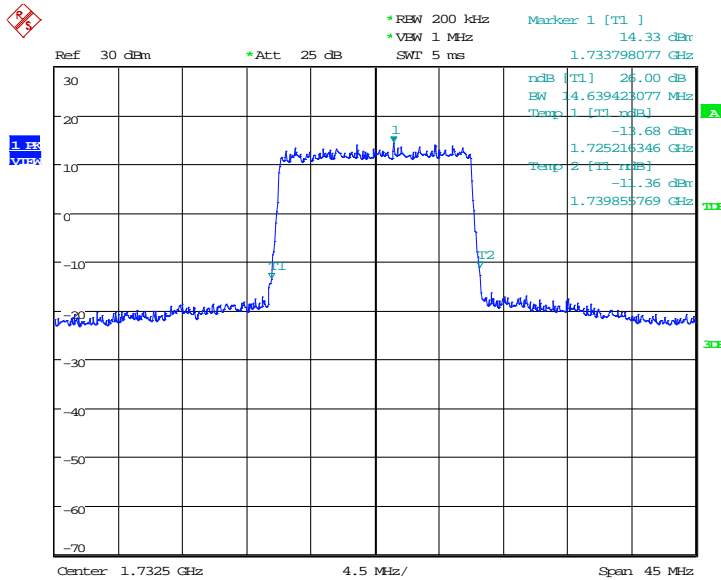
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1732.5	14567.31	14639.42	14495.19

LTE band 4, 15MHz Bandwidth, QPSK (-26dBc BW)



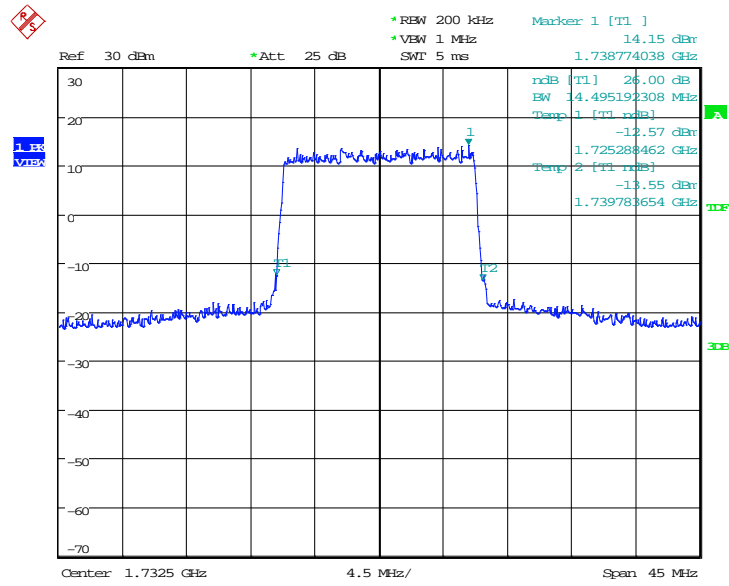
Date: 31.MAY.2019 18:21:53

LTE band 4, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:22:08

LTE band 4, 15MHz Bandwidth, 64QAM (-26dBc BW)

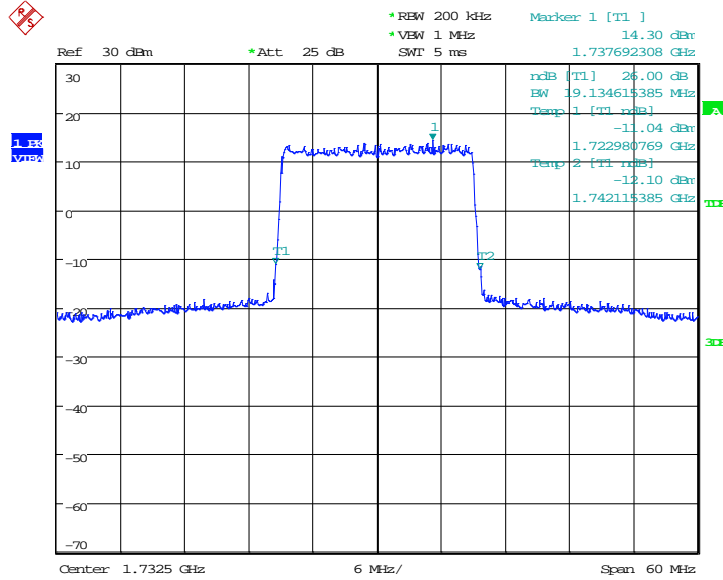


Date: 3.JUN.2019 06:46:41

LTE band 4, 20MHz (-26dBc BW)

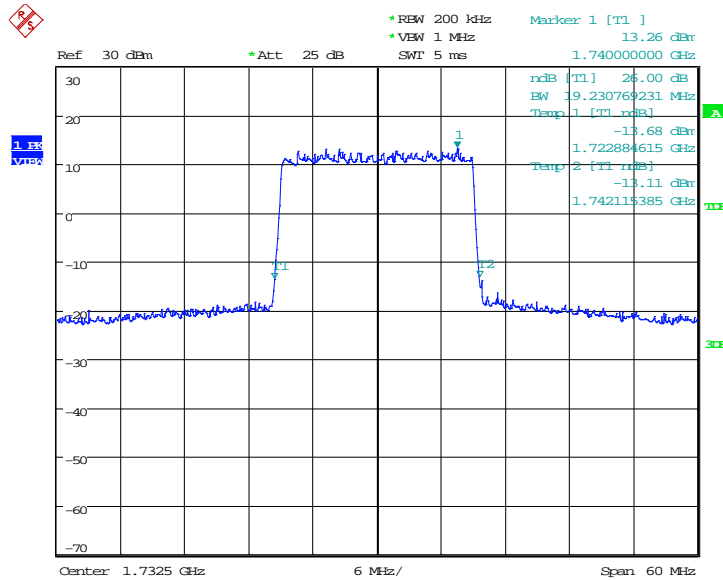
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1732.5	19134.62	19230.77	19230.77

LTE band 4, 20MHz Bandwidth, QPSK (-26dBc BW)



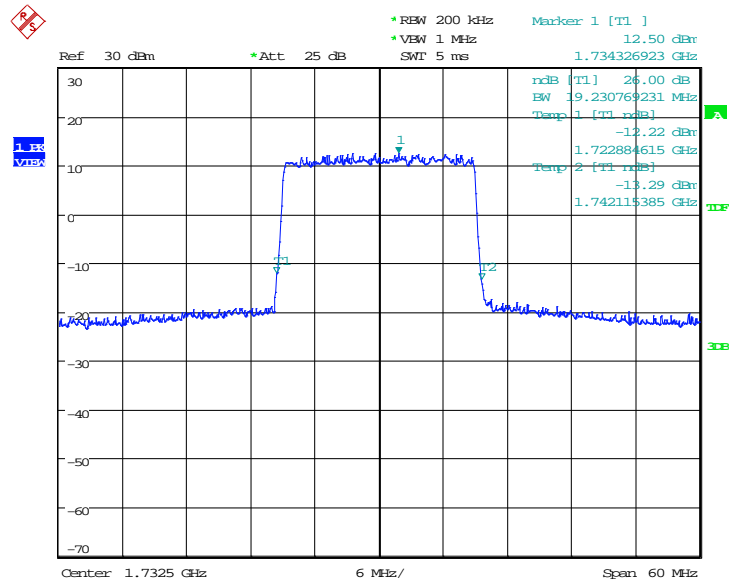
Date: 31.MAY.2019 18:25:01

LTE band 4, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:25:17

LTE band 4, 20MHz Bandwidth, 64QAM (-26dBc BW)

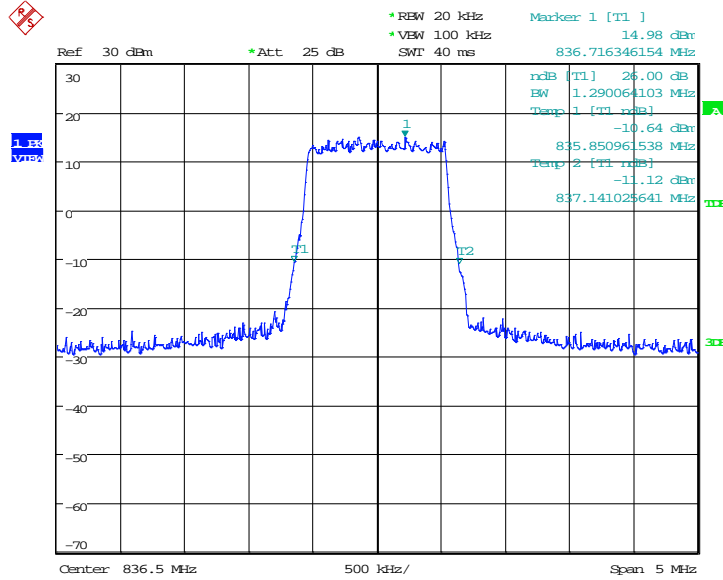


Date: 3.JUN.2019 06:49:15

LTE band 5, 1.4MHz (-26dBc BW)

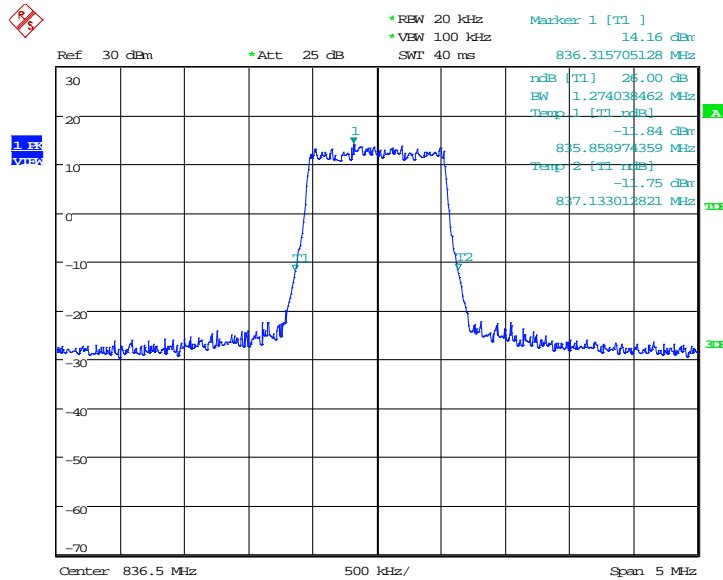
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	1290.06	1274.04	1266.03

LTE band 5, 1.4MHz Bandwidth, QPSK (-26dBc BW)



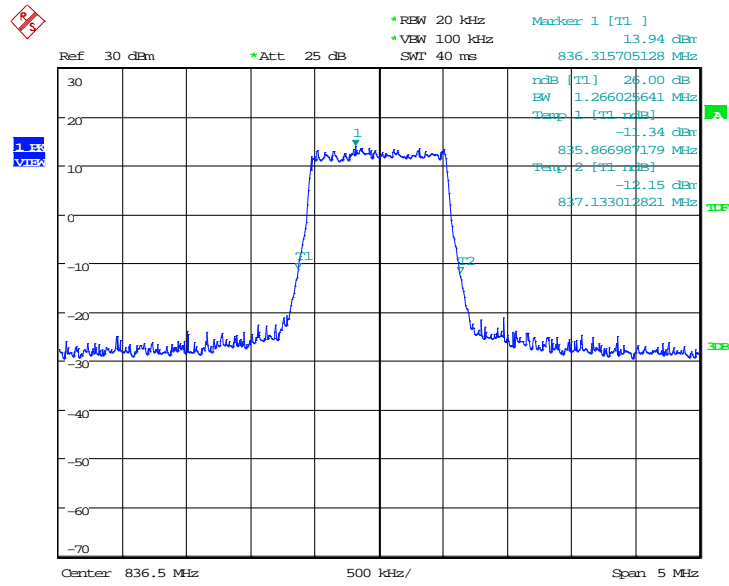
Date: 31.MAY.2019 17:37:49

LTE band 5, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:38:05

LTE band 5, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

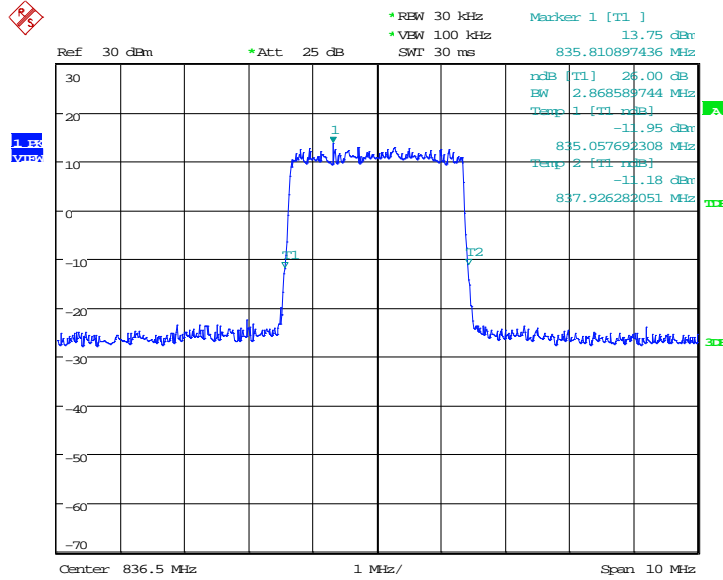


Date: 3.JUN.2019 06:10:53

LTE band 5, 3MHz (-26dBc BW)

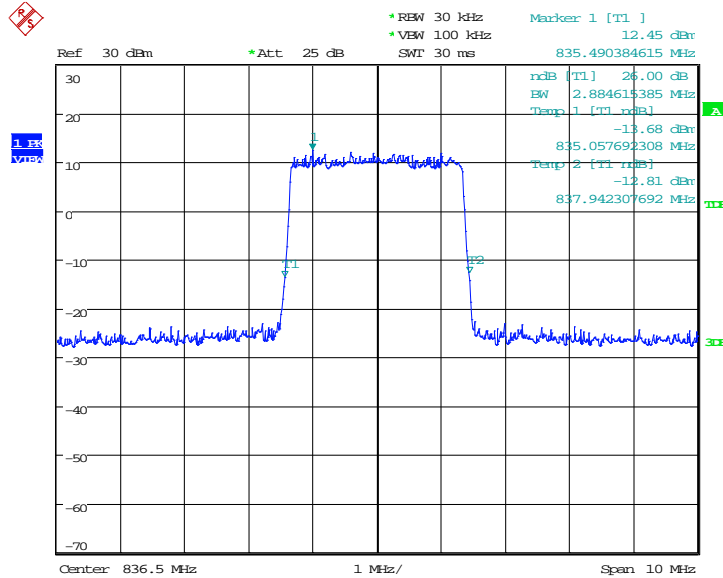
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	2868.59	2884.62	2900.64

LTE band 5, 3MHz Bandwidth, QPSK (-26dBc BW)



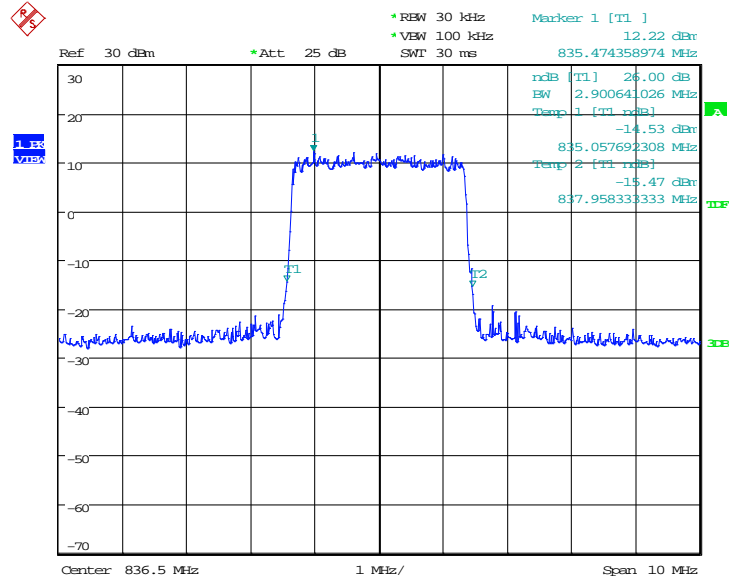
Date: 31.MAY.2019 17:40:57

LTE band 5, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:41:13

LTE band 5, 3MHz Bandwidth, 64QAM (-26dBc BW)

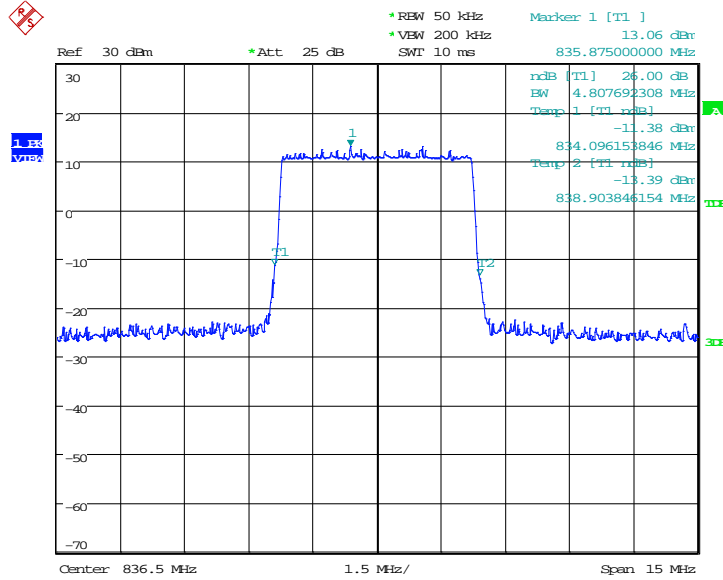


Date: 3.JUN.2019 06:13:26

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

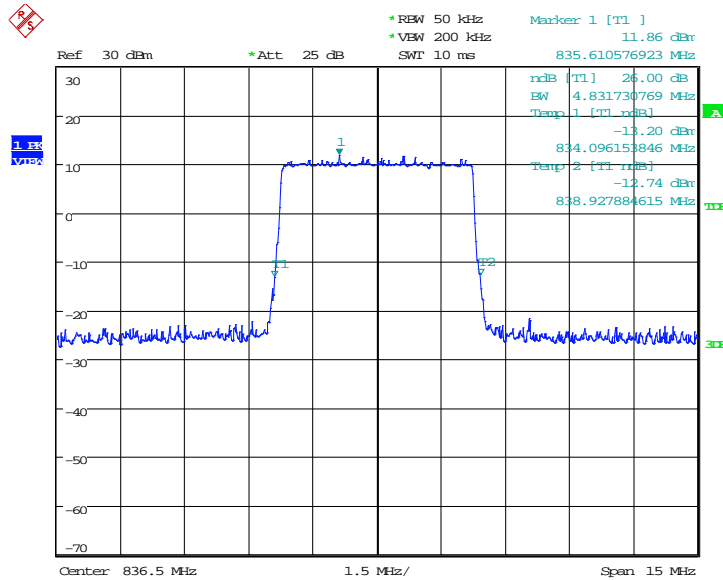
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	4807.69	4831.73	4855.77

LTE band 5, 5MHz Bandwidth, QPSK (-26dBc BW)



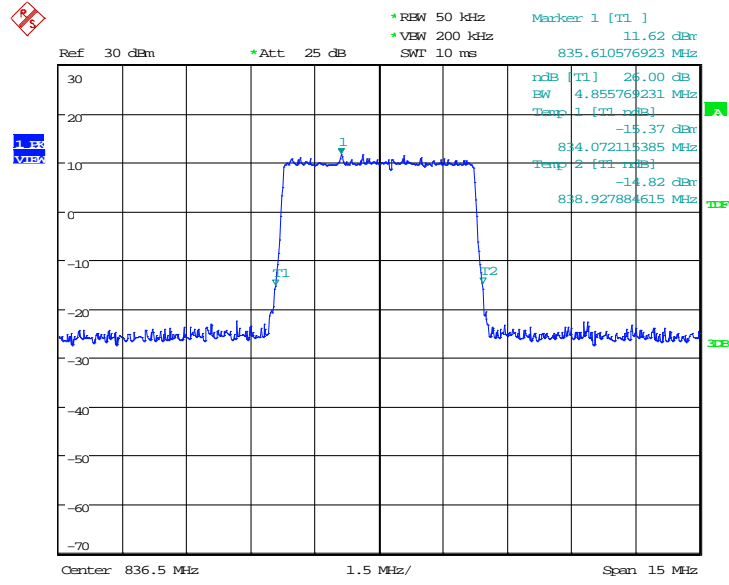
Date: 31.MAY.2019 17:44:06

LTE band 5, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:44:21

LTE band 5, 5MHz Bandwidth, 64QAM (-26dBc BW)

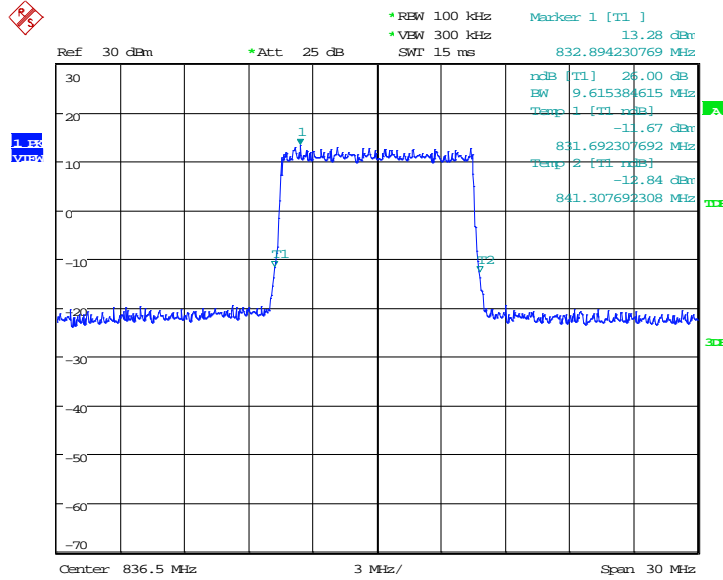


Date: 3.JUN.2019 06:15:58

LTE band 5, 10MHz (-26dBc BW)

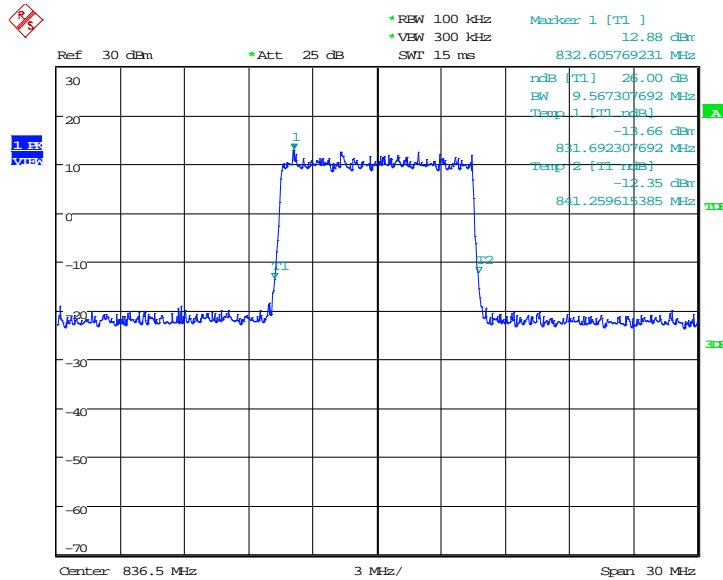
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	9615.38	9567.31	9615.38

LTE band 5, 10MHz Bandwidth, QPSK (-26dBc BW)



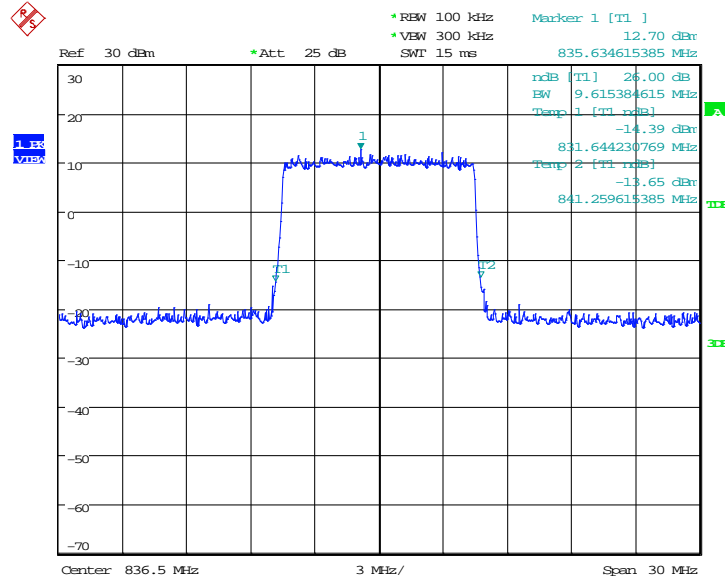
Date: 31.MAY.2019 17:47:14

LTE band 5, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:47:30

LTE band 5, 10MHz Bandwidth, 64QAM (-26dBc BW)

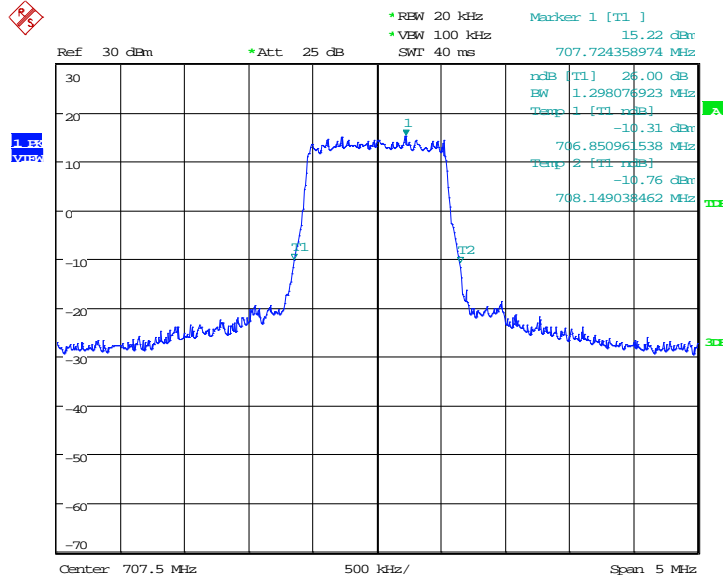


Date: 3.JUN.2019 06:18:31

LTE band 12, 1.4MHz (-26dBc BW)

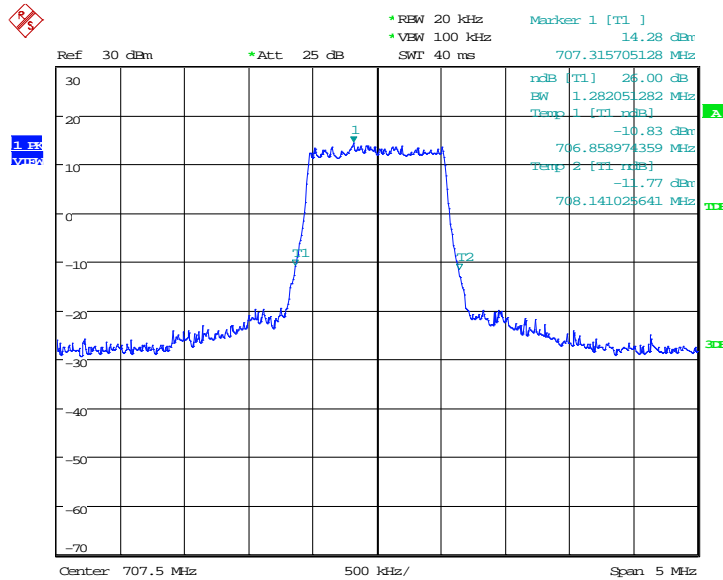
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	1298.08	1282.05	1282.05

LTE band 12, 1.4MHz Bandwidth, QPSK (-26dBc BW)



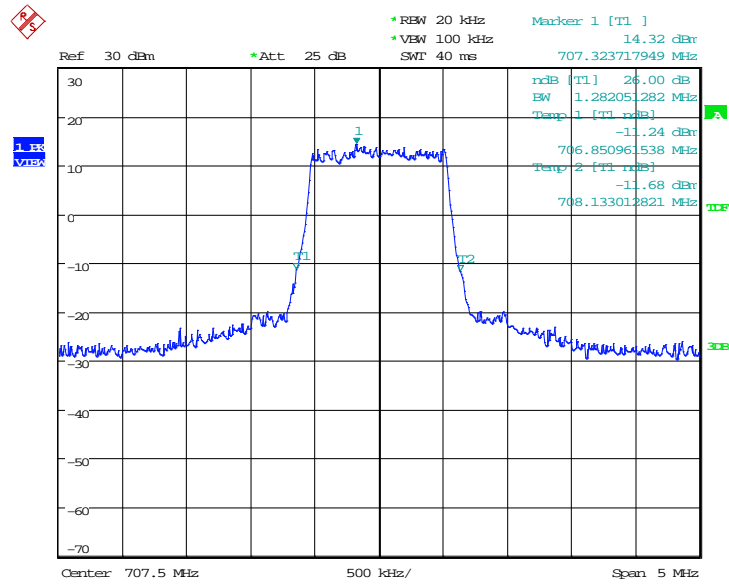
Date: 31.MAY.2019 18:28:14

LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:28:29

LTE band 12, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

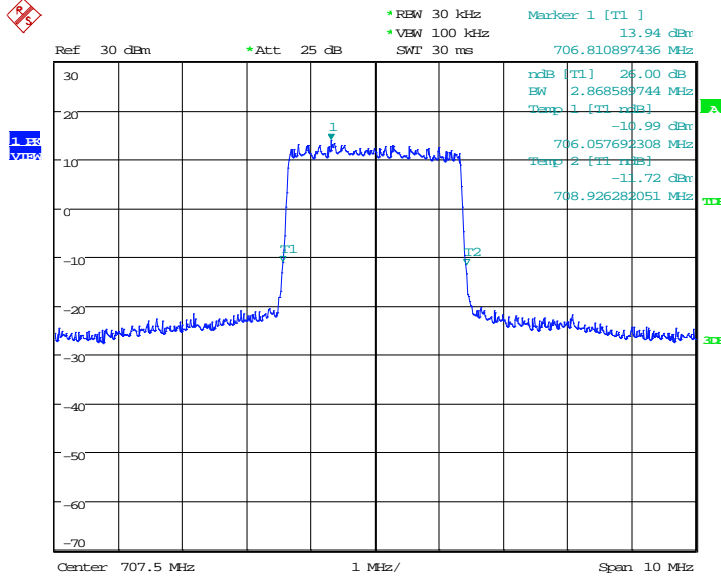


Date: 3.JUN.2019 06:51:49

LTE band 12, 3MHz (-26dBc BW)

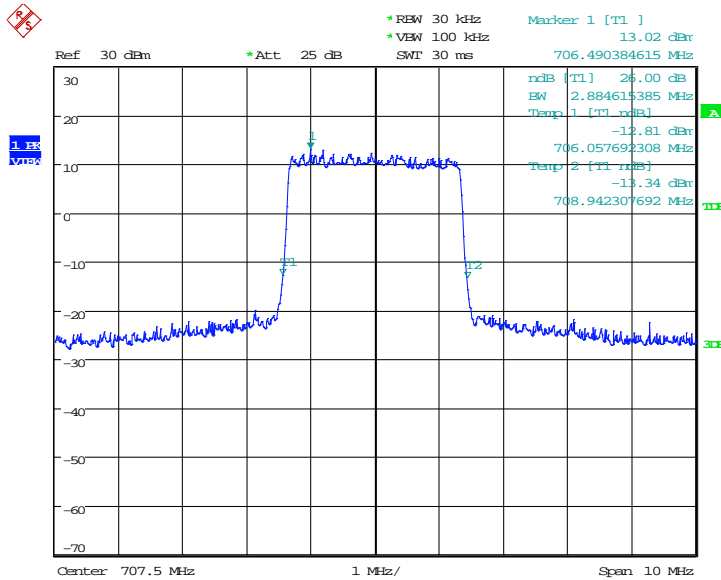
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	2868.59	2884.62	2884.62

LTE band 12, 3MHz Bandwidth, QPSK (-26dBc BW)



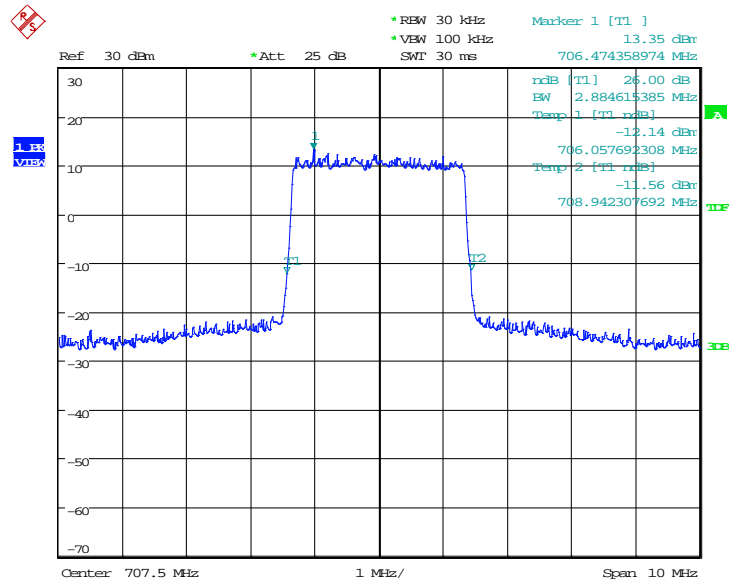
Date: 31.MAY.2019 18:31:22

LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:31:37

LTE band 12, 3MHz Bandwidth, 64QAM (-26dBc BW)

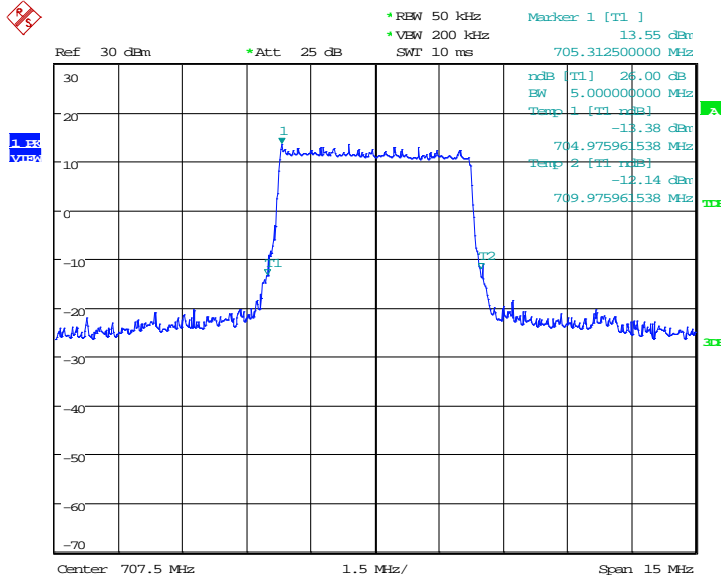


Date: 3.JUN.2019 06:54:22

LTE band 12, 5MHz (-26dBc BW)

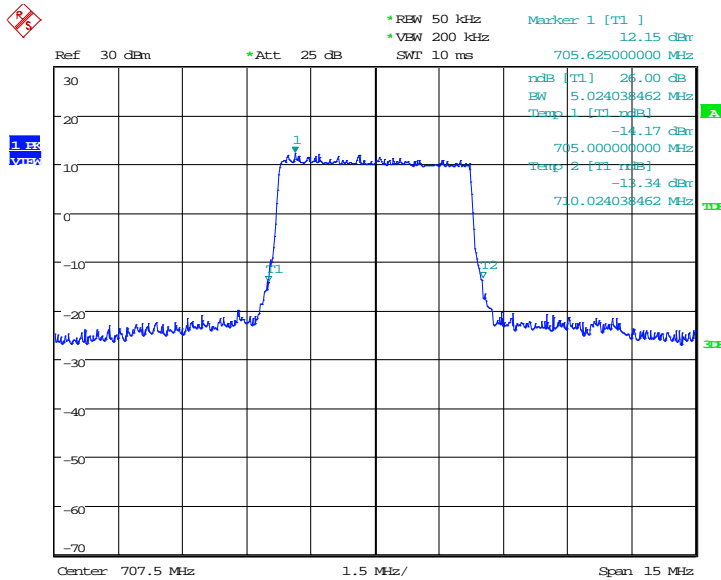
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	5000.00	5024.04	5024.04

LTE band 12, 5MHz Bandwidth, QPSK (-26dBc BW)



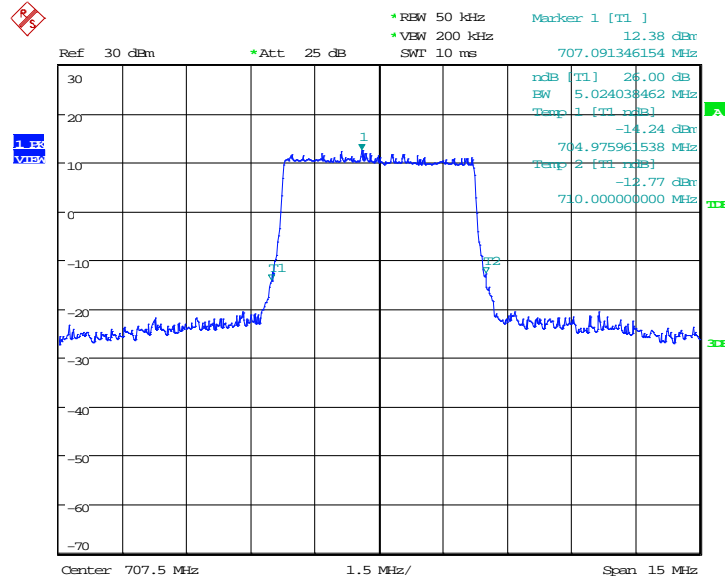
Date: 31.MAY.2019 18:34:30

LTE band 12, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:34:46

LTE band 12, 5MHz Bandwidth, 64QAM (-26dBc BW)

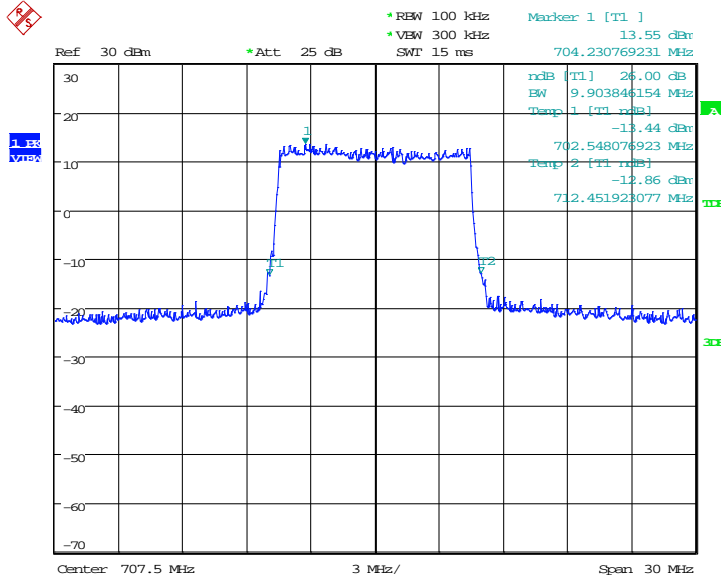


Date: 3.JUN.2019 06:56:54

LTE band 12, 10MHz (-26dBc BW)

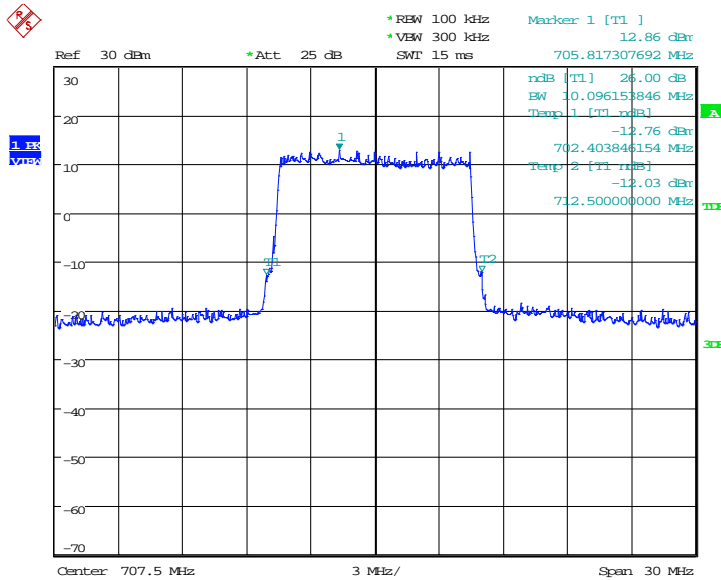
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	707.5	QPSK	16QAM
	9903.85	10096.15	9855.77

LTE band 12, 10MHz Bandwidth, QPSK (-26dBc BW)



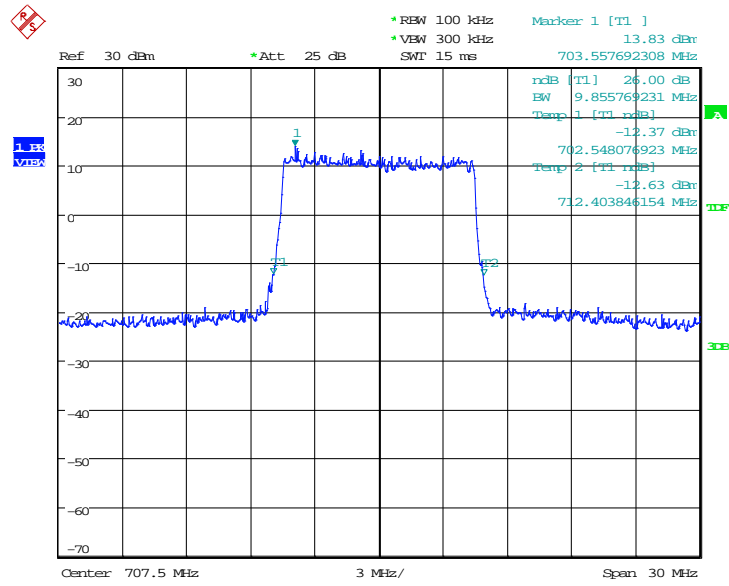
Date: 31.MAY.2019 18:37:38

LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:37:54

LTE band 12, 10MHz Bandwidth, 64QAM (-26dBc BW)

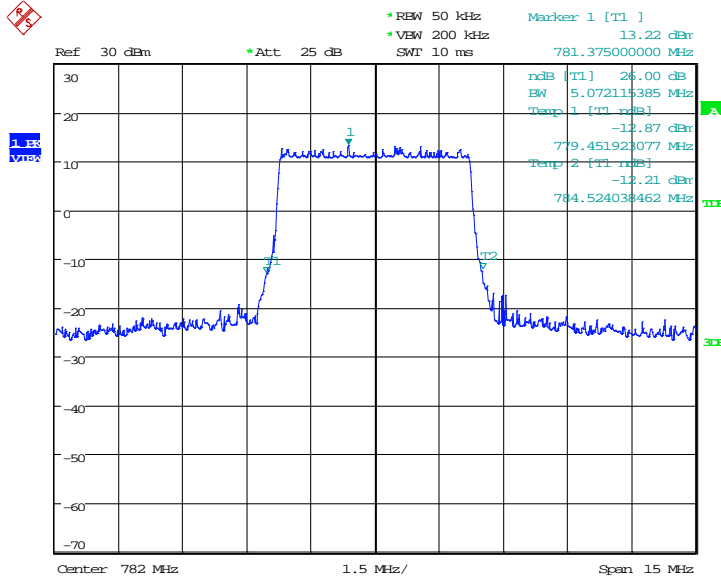


Date: 3.JUN.2019 06:59:27

LTE band 13, 5MHz (-26dBc BW)

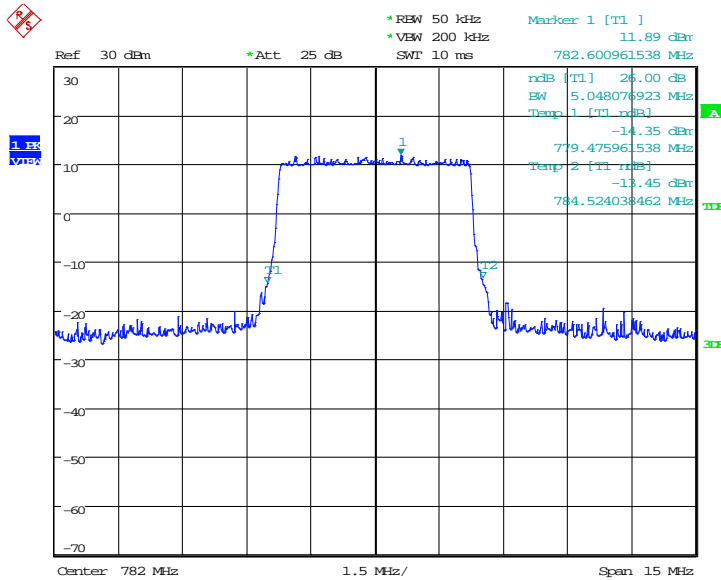
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
782.0	5072.12	5048.08	5048.08

LTE band 13, 5MHz Bandwidth, QPSK (-26dBc BW)



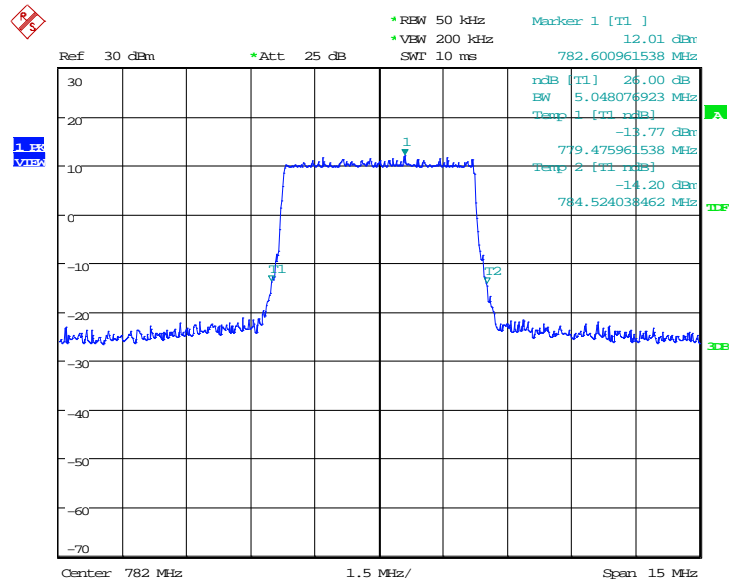
Date: 31.MAY.2019 17:31:28

LTE band 13, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:31:44

LTE band 13, 5MHz Bandwidth, 64QAM (-26dBc BW)

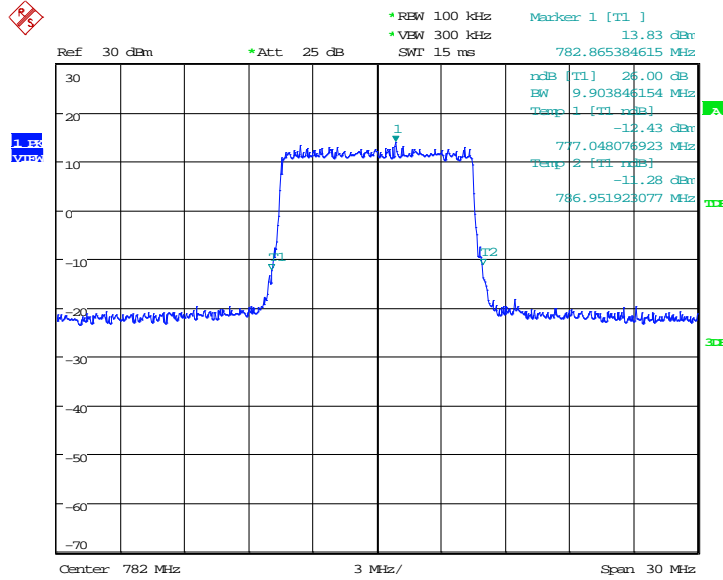


Date: 3.JUN.2019 06:05:43

LTE band 13, 10MHz (-26dBc BW)

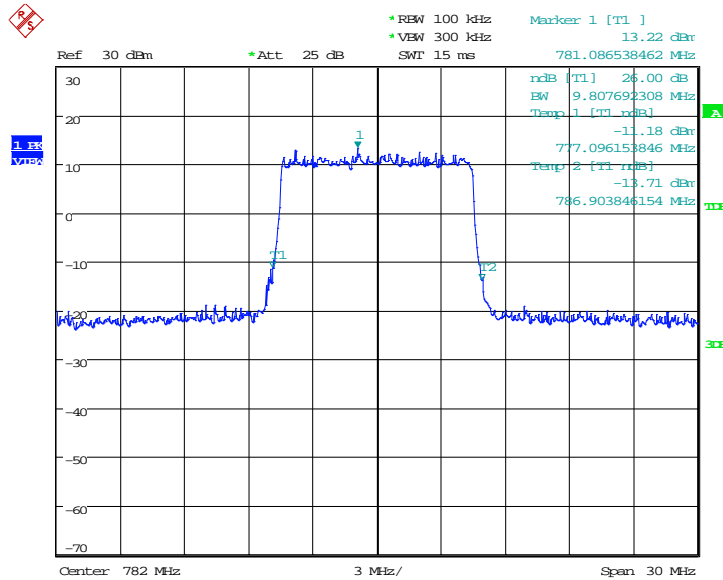
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	782.0	QPSK	16QAM
9903.85		9807.69	9903.85

LTE band 13, 10MHz Bandwidth, QPSK (-26dBc BW)



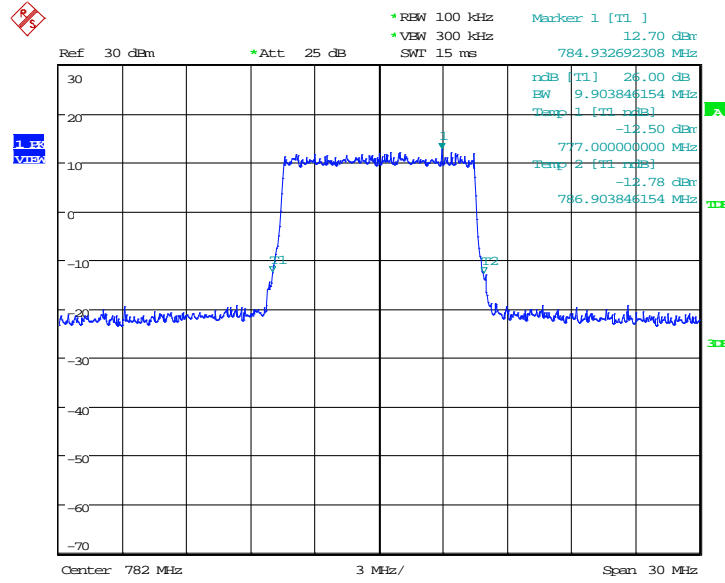
Date: 31.MAY.2019 17:34:37

LTE band 13, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 17:34:52

LTE band 13, 10MHz Bandwidth, 64QAM (-26dBc BW)

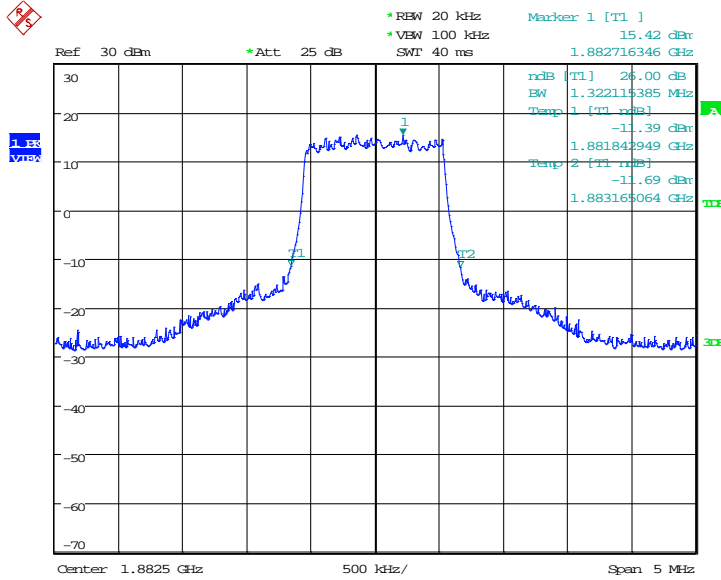


Date: 3.JUN.2019 06:08:16

LTE band 25, 1.4MHz (-26dBc BW)

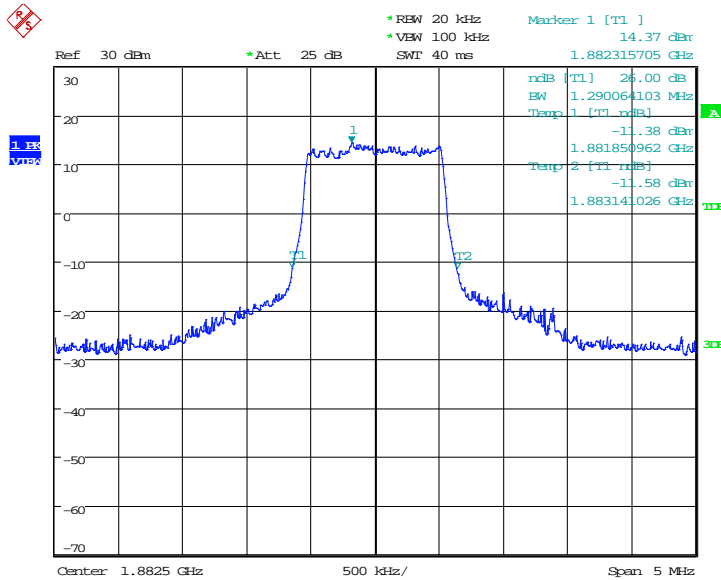
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	1322.12	1290.06	1290.06

LTE band 25, 1.4MHz Bandwidth, QPSK (-26dBc BW)



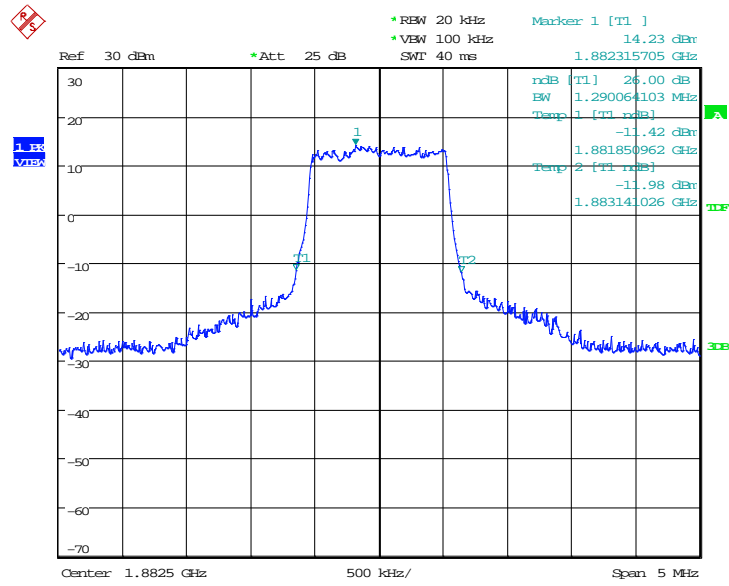
Date: 31.MAY.2019 18:40:51

LTE band 25, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:41:07

LTE band 25, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

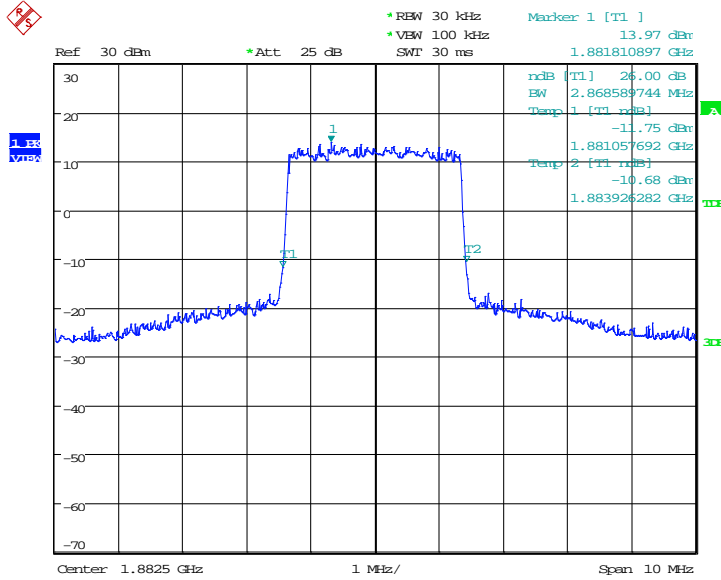


Date: 3.JUN.2019 07:02:04

LTE band 25, 3MHz (-26dBc BW)

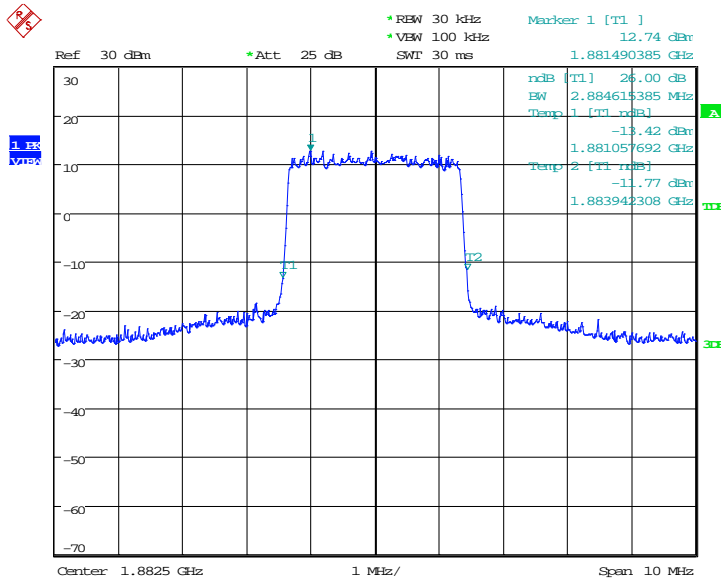
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	2868.59	2884.62	2916.67

LTE band 25, 3MHz Bandwidth, QPSK (-26dBc BW)



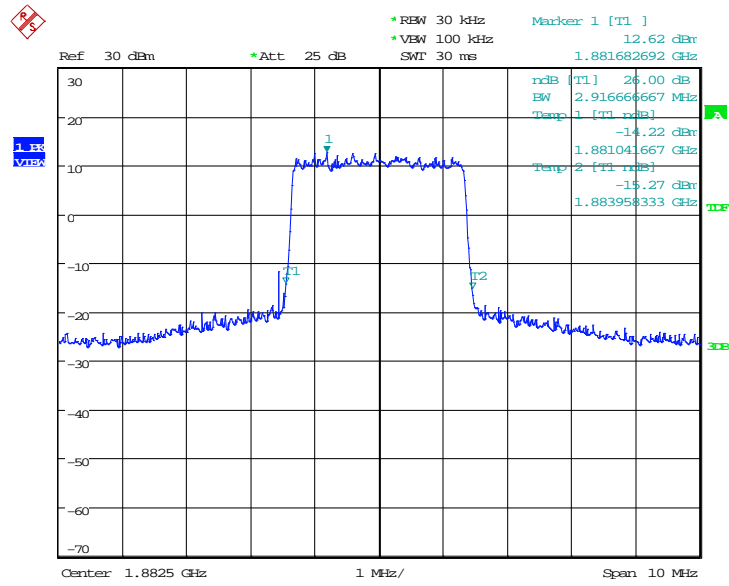
Date: 31.MAY.2019 18:43:59

LTE band 25, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:44:15

LTE band 25, 3MHz Bandwidth, 64QAM (-26dBc BW)

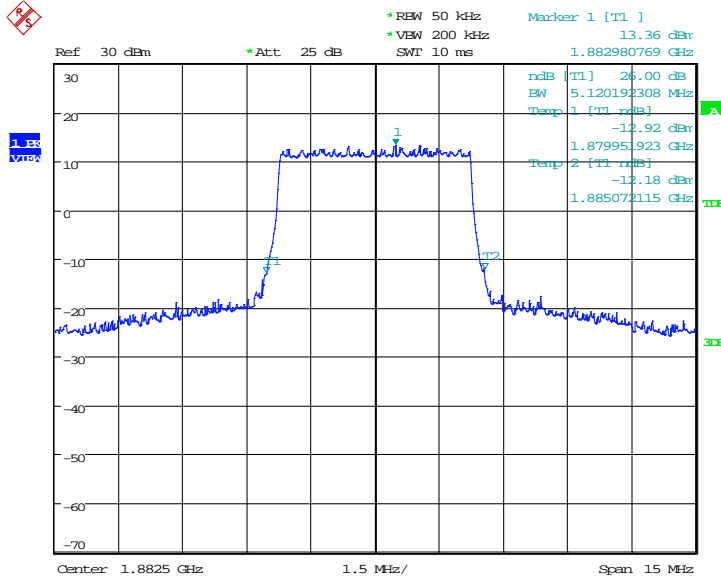


Date: 3.JUN.2019 07:04:36

LTE band 25, 5MHz (-26dBc BW)

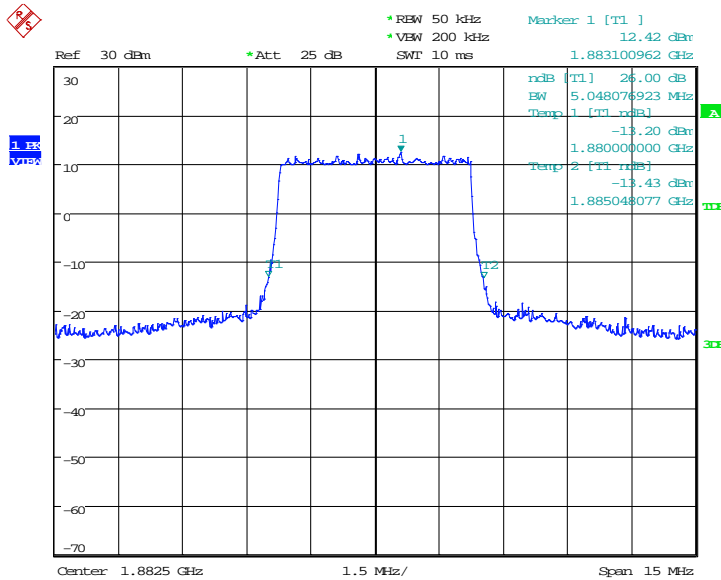
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	5120.19	5048.08	5024.04

LTE band 25, 5MHz Bandwidth, QPSK (-26dBc BW)



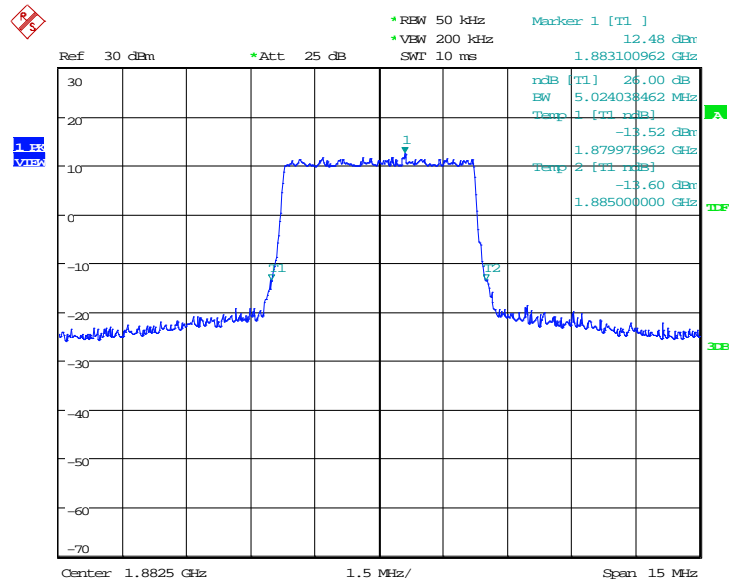
Date: 31.MAY.2019 18:47:07

LTE band 25, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 18:47:23

LTE band 25, 5MHz Bandwidth, 64QAM (-26dBc BW)

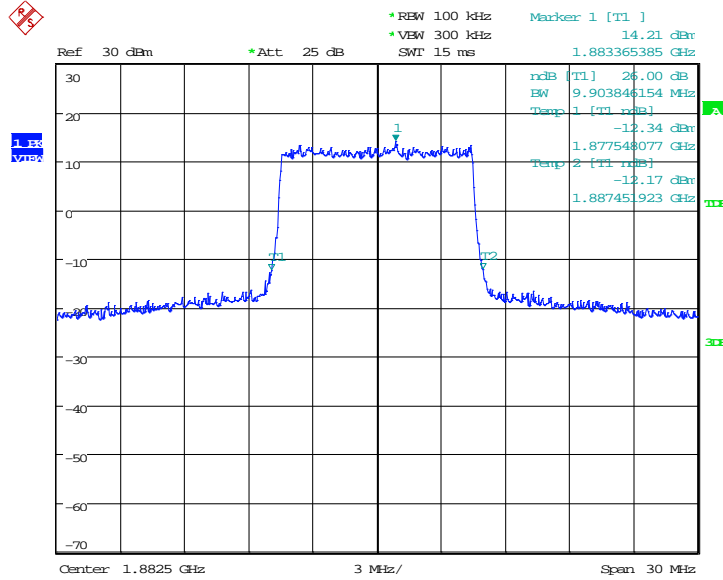


Date: 3.JUN.2019 07:07:09

LTE band 25, 10MHz (-26dBc BW)

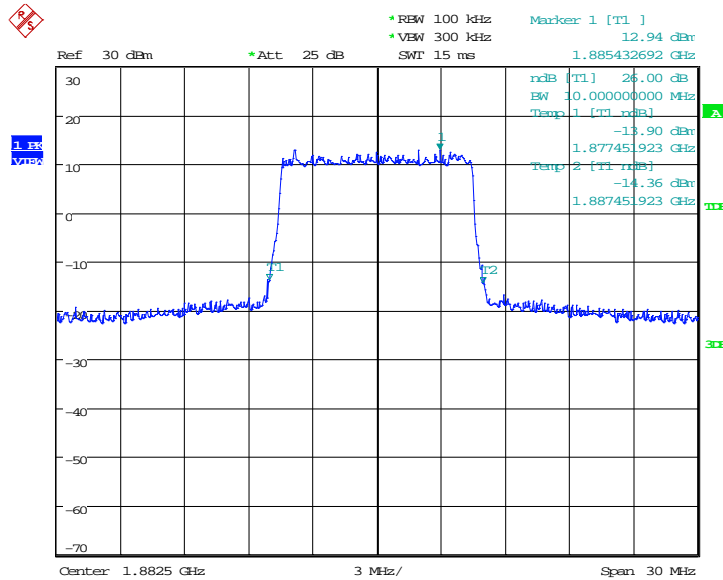
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	9903.85	10000.00	10000.00

LTE band 25, 10MHz Bandwidth, QPSK (-26dBc BW)



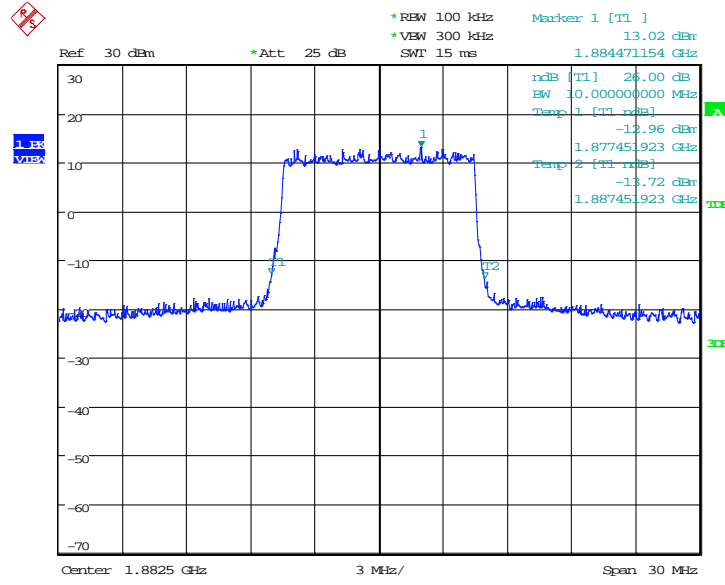
Date: 31.MAY.2019 18:50:16

LTE band 25, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:50:31

LTE band 25, 10MHz Bandwidth, 64QAM (-26dBc BW)

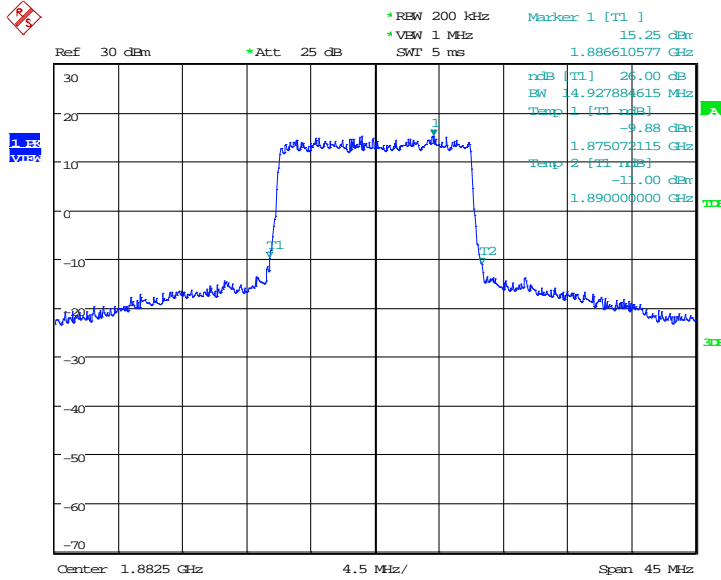


Date: 3.JUN.2019 07:09:42

LTE band 25, 15MHz (-26dBc BW)

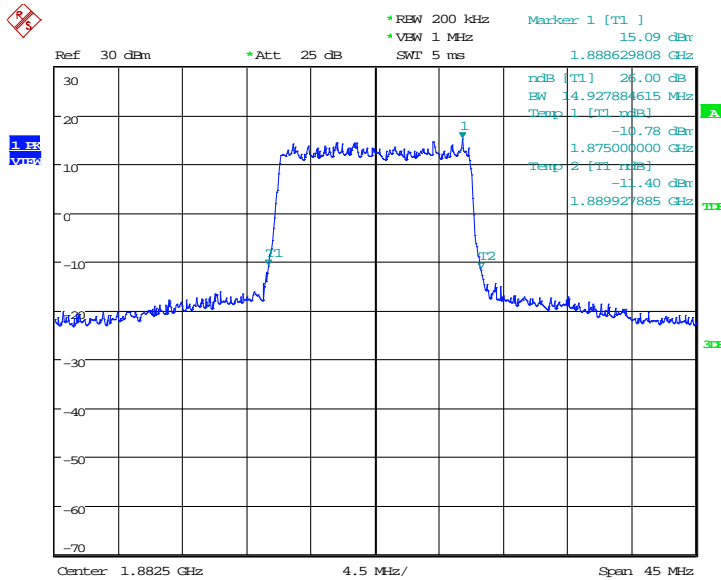
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	14927.88	14927.88	15000.00

LTE band 25, 15MHz Bandwidth, QPSK (-26dBc BW)



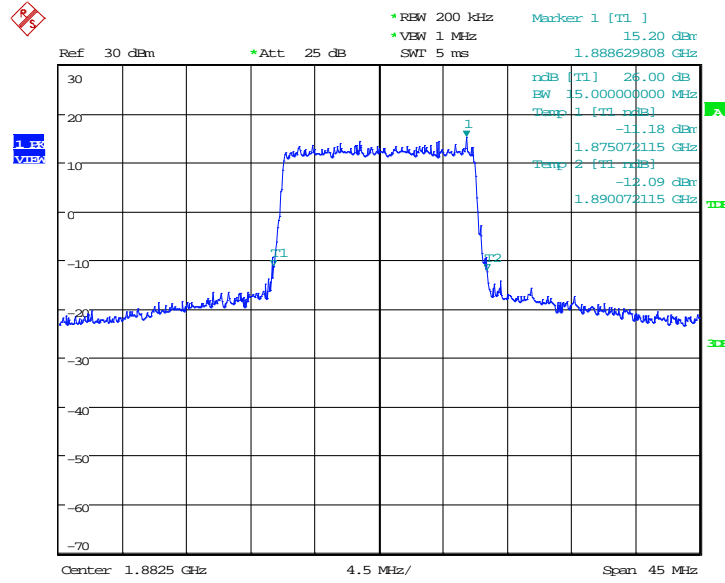
Date: 31.MAY.2019 18:53:24

LTE band 25, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:53:40

LTE band 25, 15MHz Bandwidth, 64QAM (-26dBc BW)

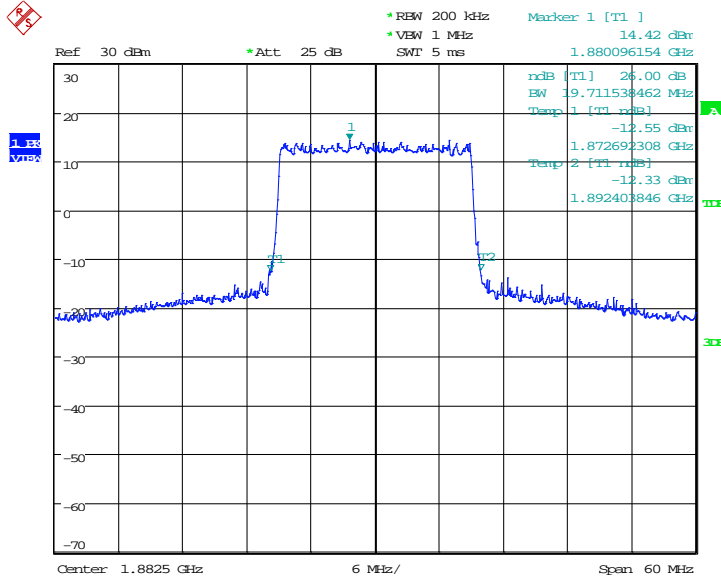


Date: 3.JUN.2019 07:12:15

LTE band 25, 20MHz (-26dBc BW)

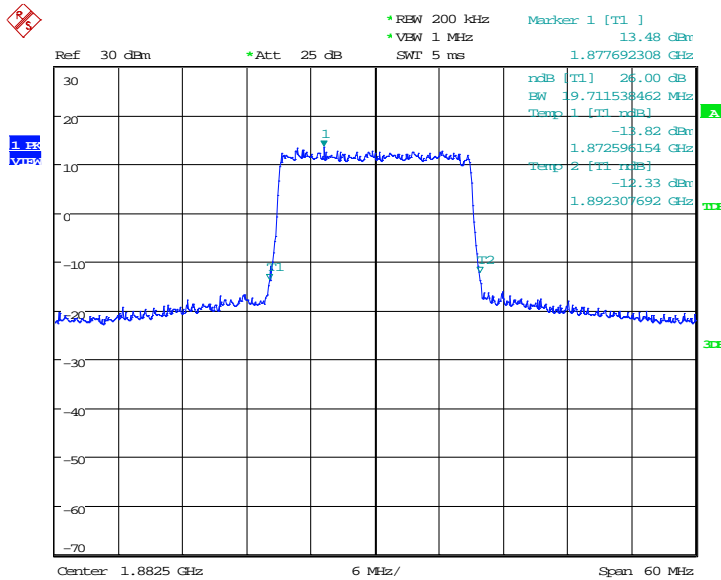
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1882.5	19711.54	19711.54	19615.38

LTE band 25, 20MHz Bandwidth, QPSK (-26dBc BW)



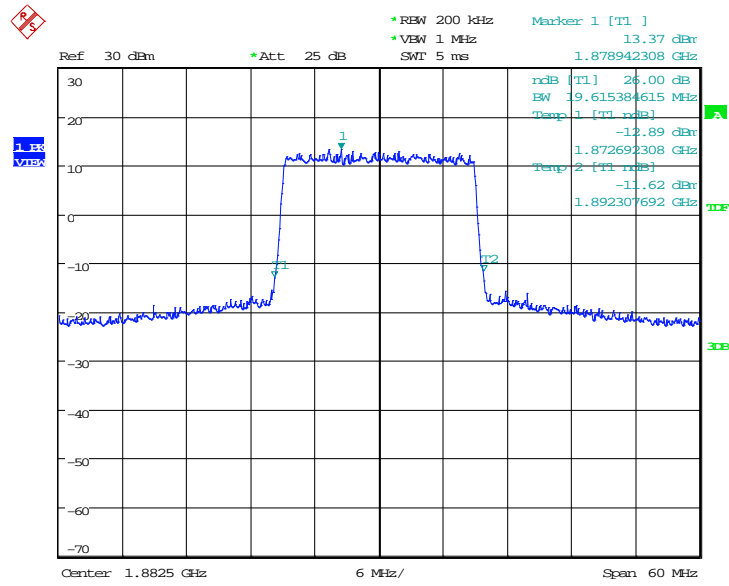
Date: 31.MAY.2019 18:56:33

LTE band 25, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 18:56:48

LTE band 25, 20MHz Bandwidth, 64QAM (-26dBc BW)

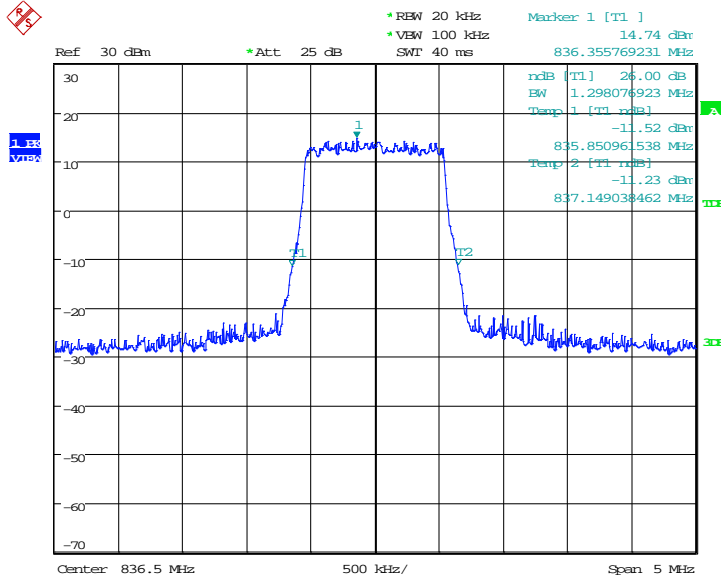


Date: 3.JUN.2019 07:14:48

LTE band 26(824MHz-849MHz), 1.4MHz (-26dBc BW)

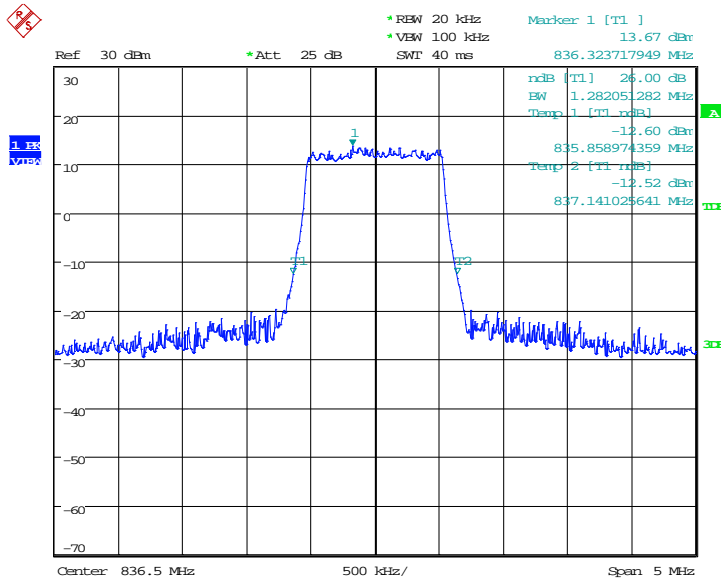
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	1298.08	1282.05	1274.04

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



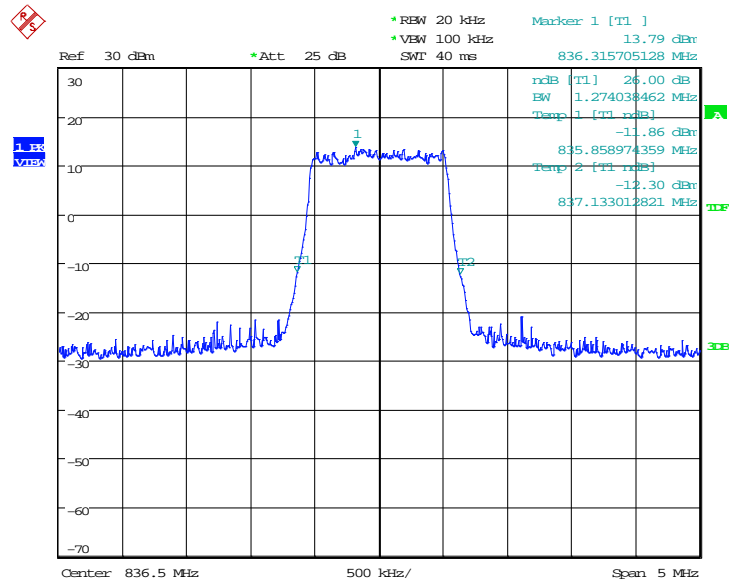
Date: 31.MAY.2019 18:59:44

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:00:00

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (-26dBc BW)

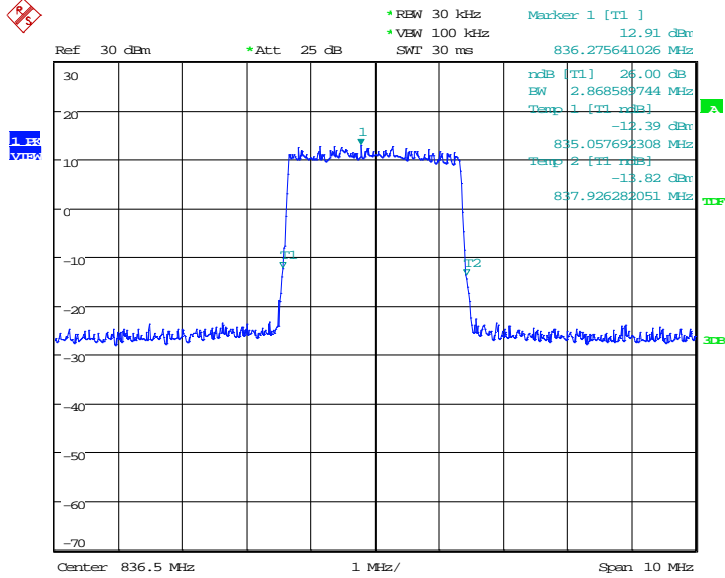


Date: 3.JUN.2019 07:17:25

LTE band 26(824MHz-849MHz), 3MHz (-26dBc BW)

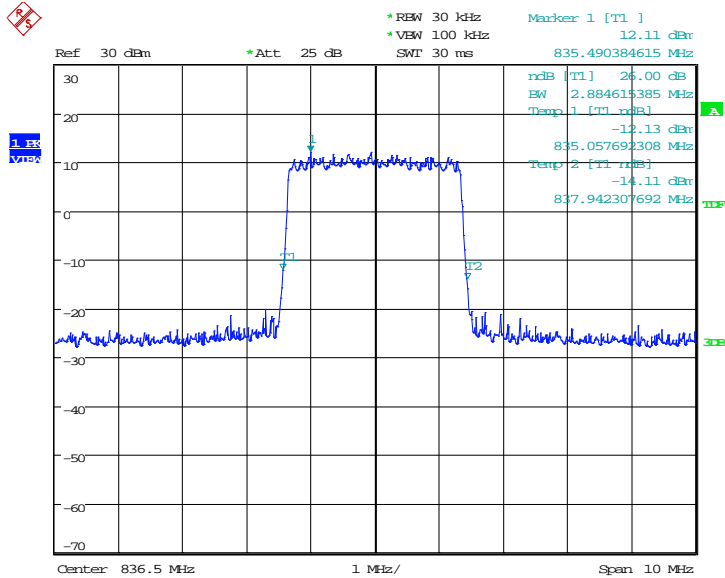
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	836.5	QPSK	16QAM
2868.59		2884.62	2884.62

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



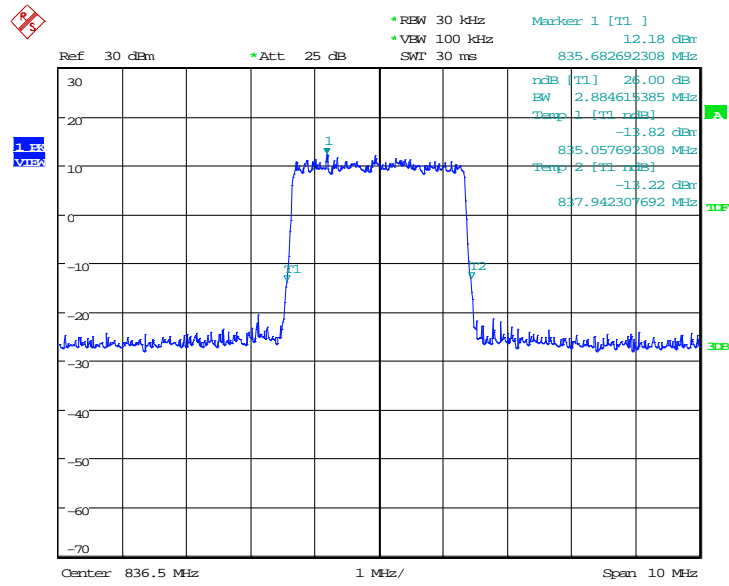
Date: 31.MAY.2019 19:02:52

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:03:08

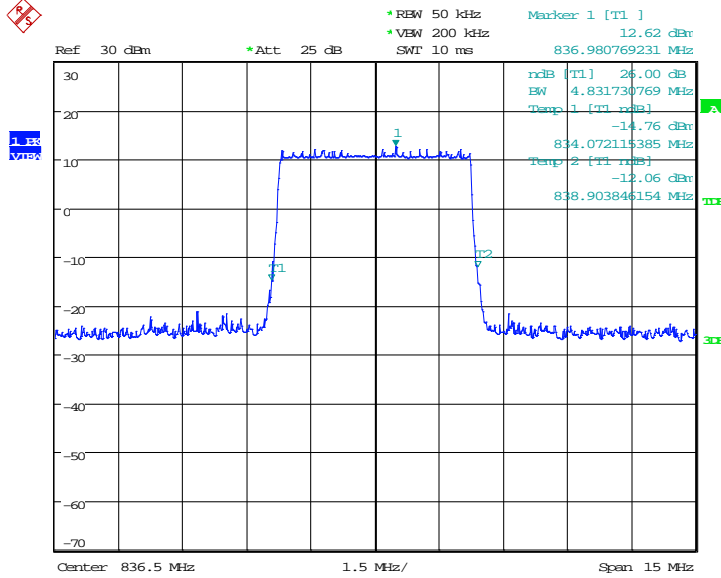
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (-26dBc BW)



LTE band 26(824MHz-849MHz), 5MHz (-26dBc BW)

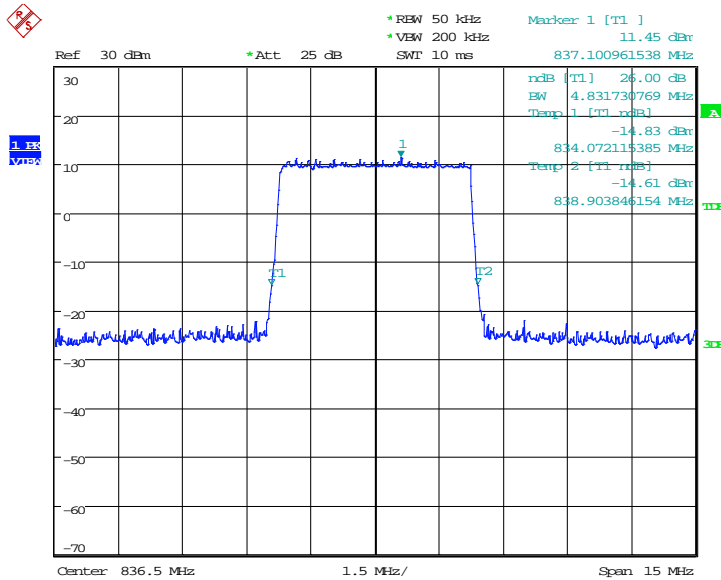
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	4831.73	4831.73	4831.73

LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



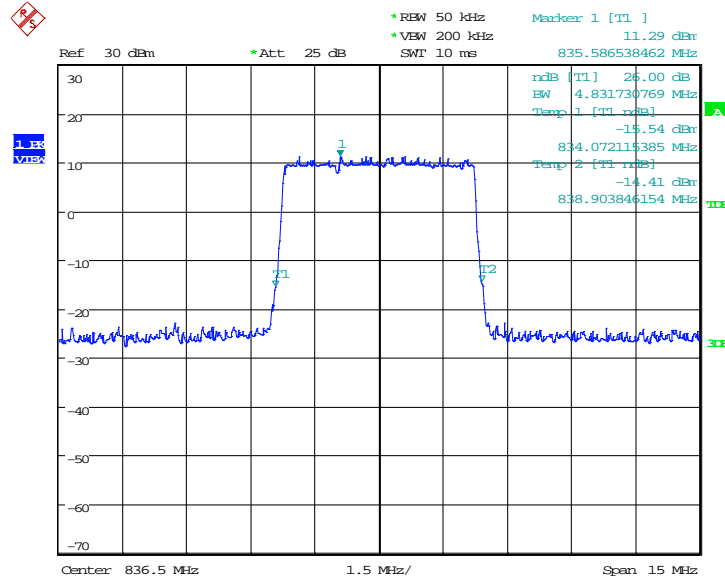
Date: 31.MAY.2019 19:06:00

LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 19:06:16

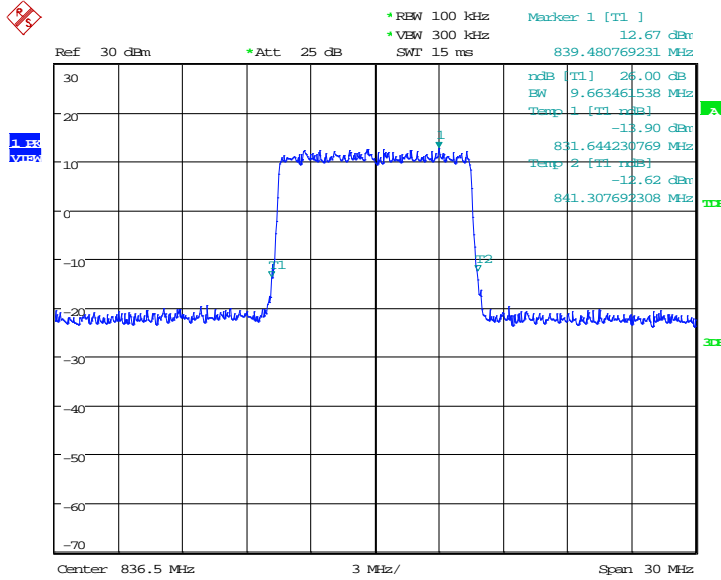
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,64QAM (-26dBc BW)



LTE band 26(824MHz-849MHz), 10MHz (-26dBc BW)

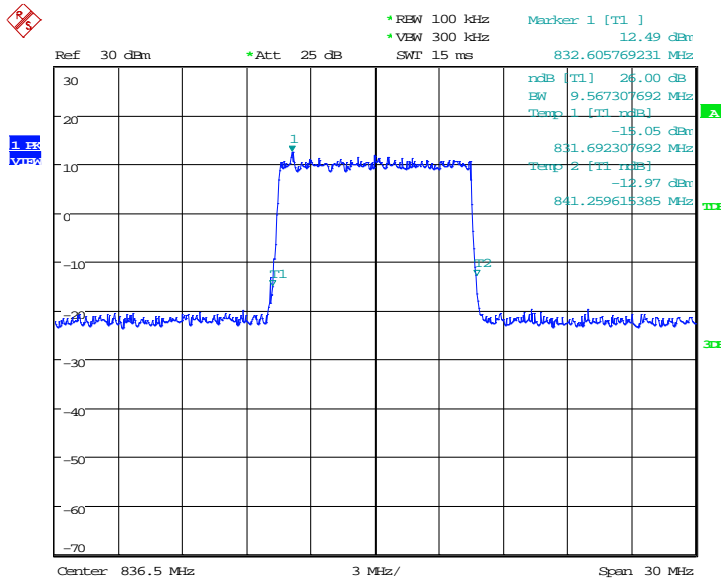
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	9663.46	9567.31	9615.38

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



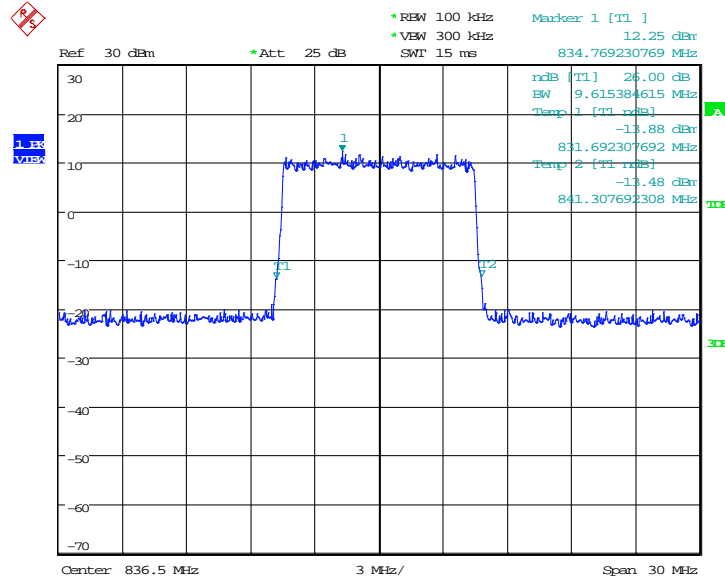
Date: 31.MAY.2019 19:09:09

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:09:24

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 64QAM (-26dBc BW)

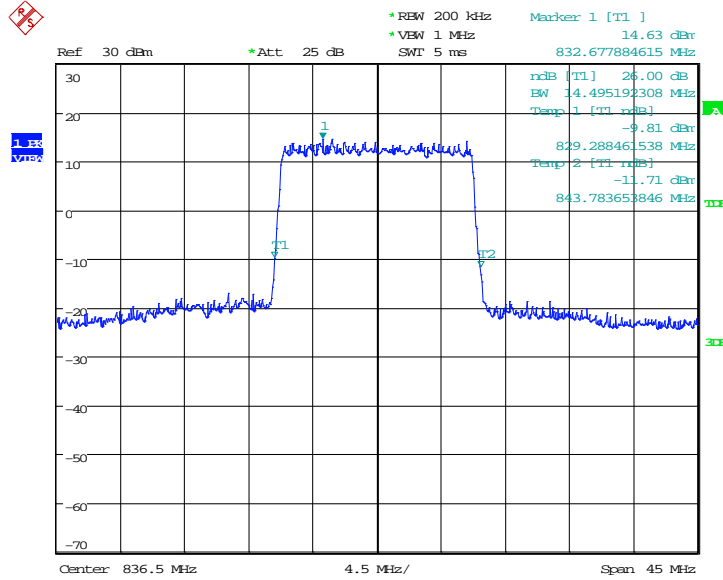


Date: 3.JUN.2019 07:25:03

LTE band 26(824MHz-849MHz), 15MHz (-26dBc BW)

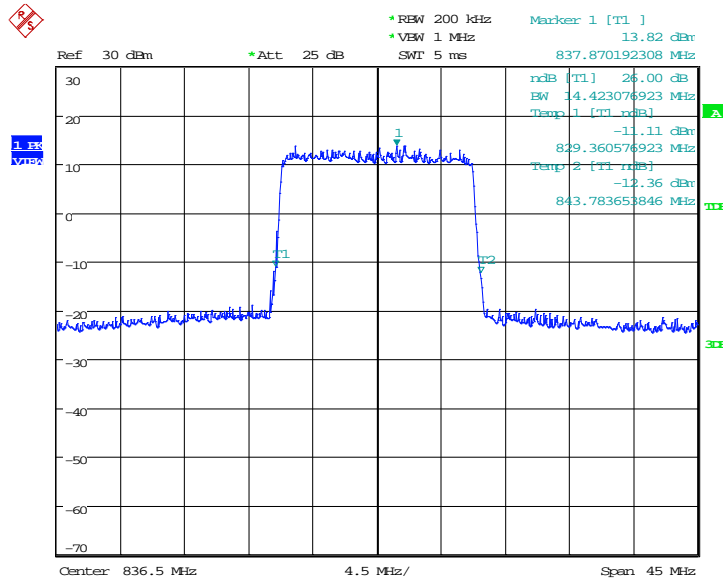
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	14495.19	14423.08	14567.31

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (-26dBc BW)



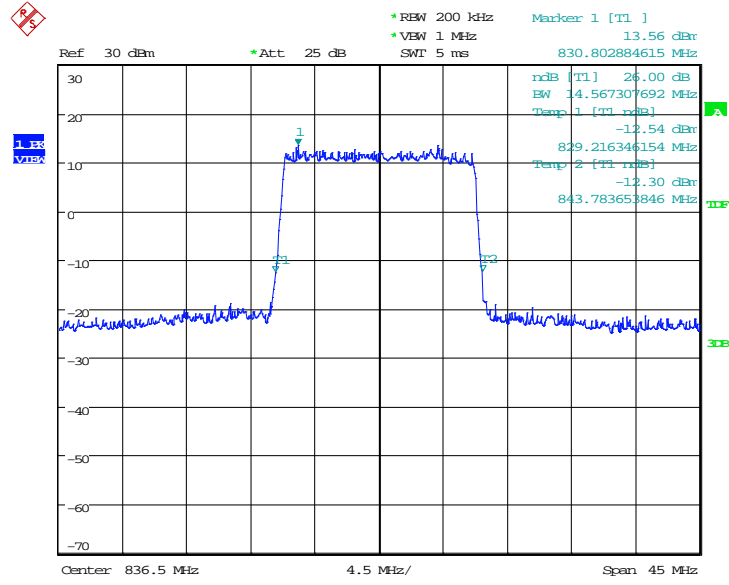
Date: 31.MAY.2019 19:12:17

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:12:33

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 64QAM (-26dBc BW)



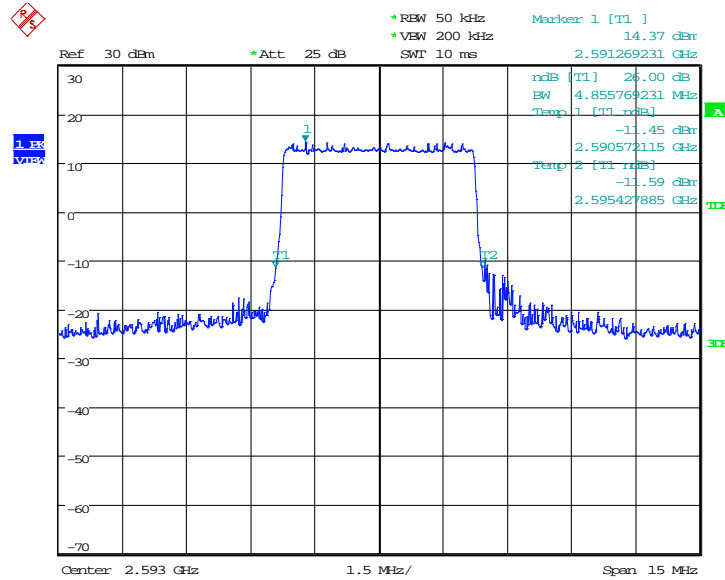
Date: 3.JUN.2019 07:27:36

Normal Power

LTE band 41, 5MHz (-26dBc BW)

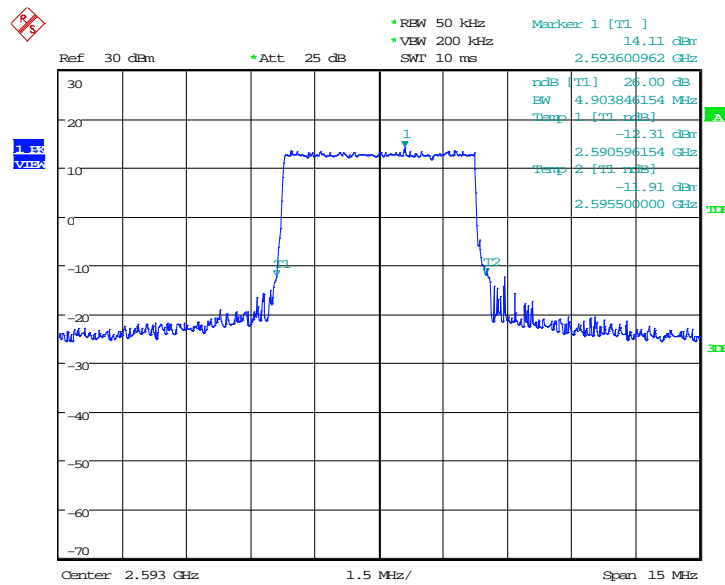
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4855.77	4903.85	4855.77

LTE band 41, 5MHz Bandwidth, QPSK (-26dBc BW)



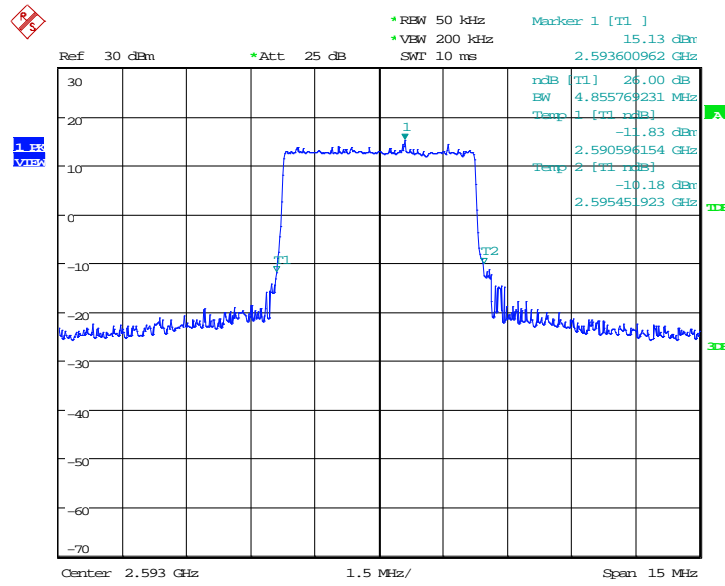
Date: 3.JUN.2019 11:37:33

LTE band 41, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 3.JUN.2019 11:37:49

LTE band 41, 5MHz Bandwidth, 64QAM (-26dBc BW)

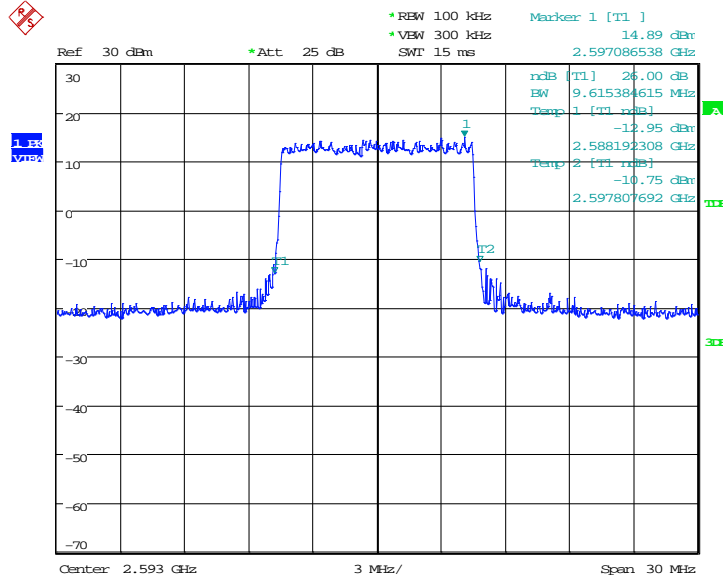


Date: 3.JUN.2019 12:25:34

LTE band 41, 10MHz (-26dBc BW)

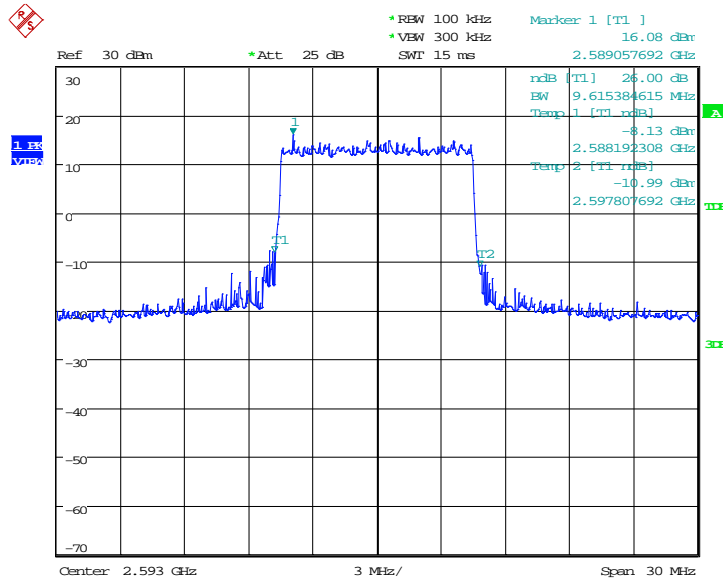
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	9615.38	9615.38	9519.23

LTE band 41, 10MHz Bandwidth, QPSK (-26dBc BW)



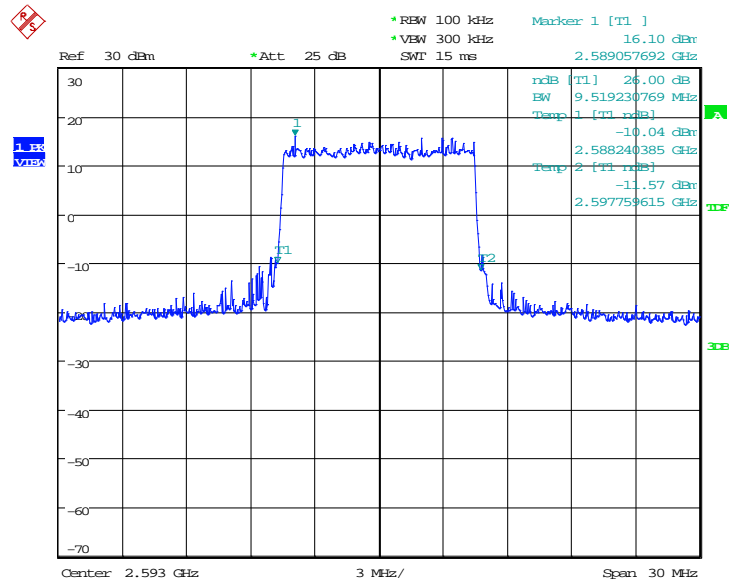
Date: 3.JUN.2019 11:40:40

LTE band 41, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:40:56

LTE band 41, 10MHz Bandwidth, 64QAM (-26dBc BW)

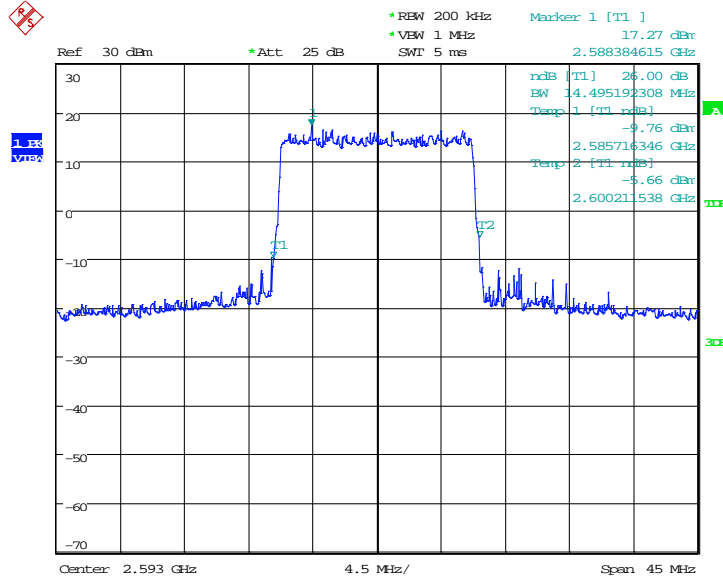


Date: 3.JUN.2019 12:28:05

LTE band 41, 15MHz (-26dBc BW)

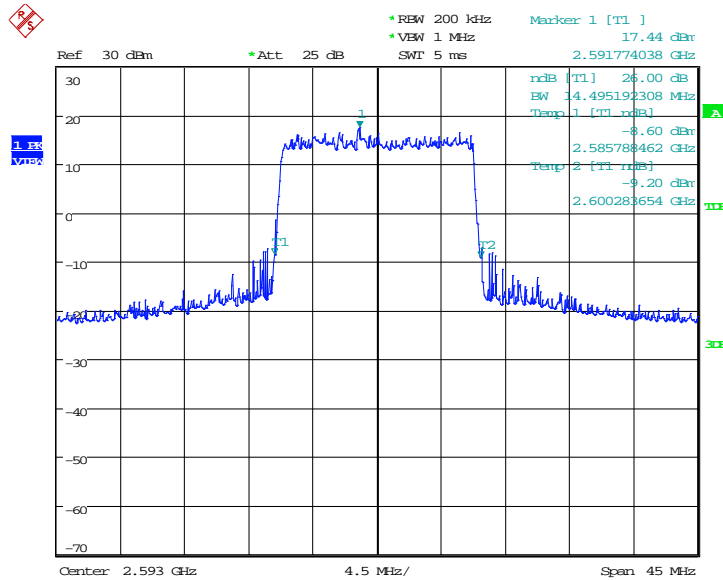
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	14495.19	14495.19	14567.31

LTE band 41, 15MHz Bandwidth, QPSK (-26dBc BW)



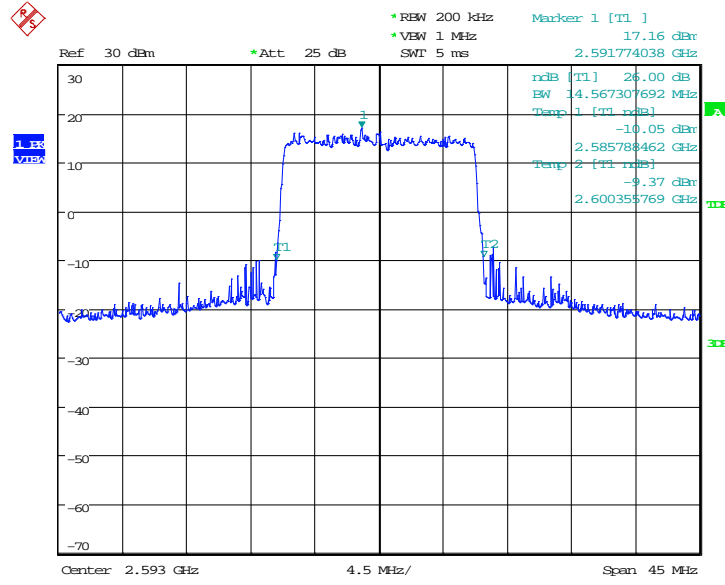
Date: 3.JUN.2019 11:43:48

LTE band 41, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:44:04

LTE band 41, 15MHz Bandwidth, 64QAM (-26dBc BW)

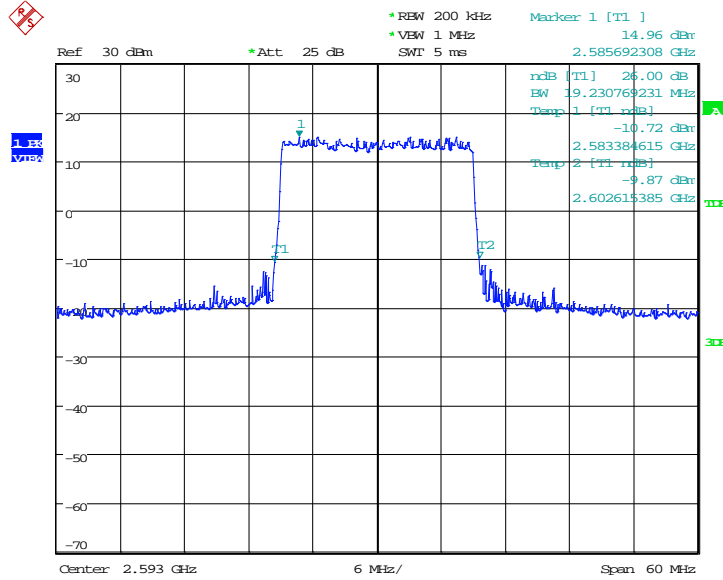


Date: 3.JUN.2019 12:30:39

LTE band 41, 20MHz (-26dBc BW)

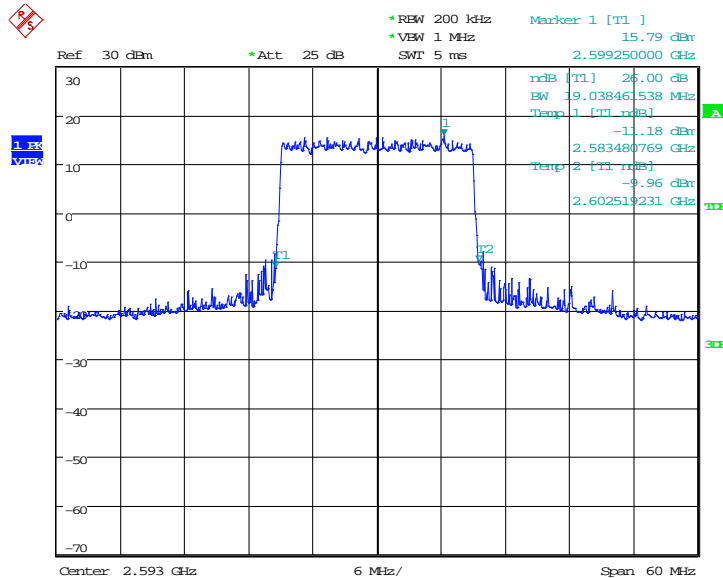
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	19230.77	19038.46	19326.92

LTE band 41, 20MHz Bandwidth, QPSK (-26dBc BW)



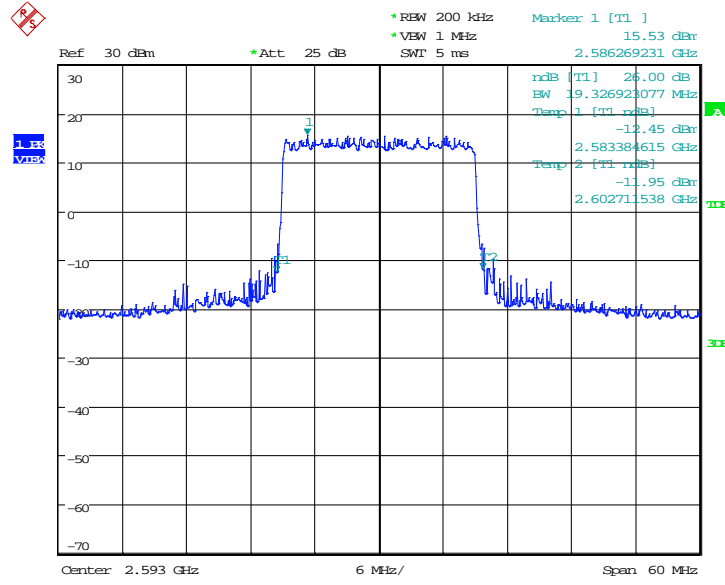
Date: 3.JUN.2019 11:46:58

LTE band 41, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 3.JUN.2019 11:47:14

LTE band 41, 20MHz Bandwidth, 64QAM (-26dBc BW)



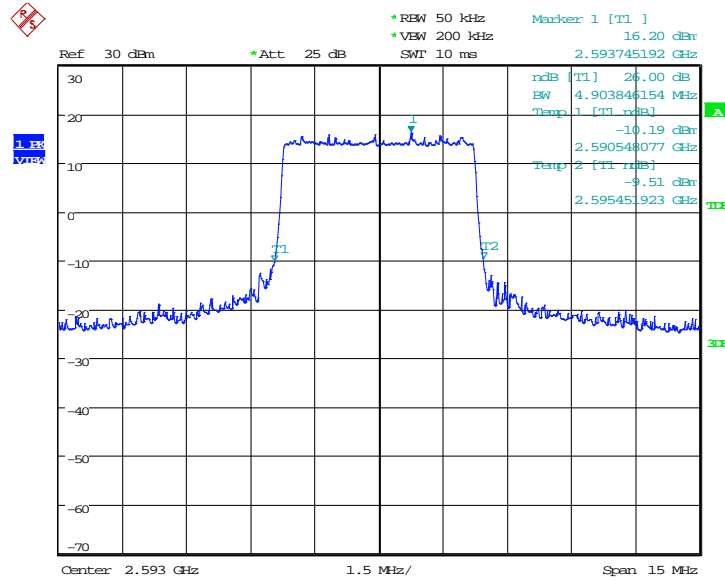
Date: 3.JUN.2019 12:33:12

HPUE

LTE band 41, 5MHz (-26dBc BW)

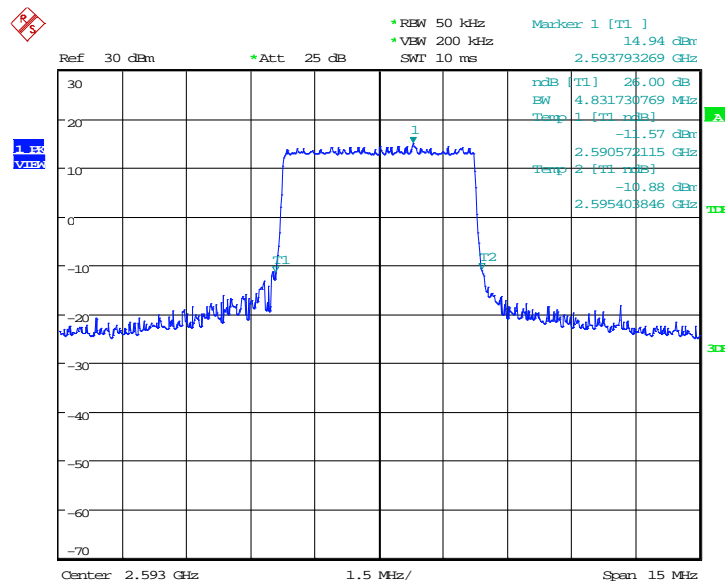
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4903.85	4831.73	4807.69

LTE band 41, 5MHz Bandwidth, QPSK (-26dBc BW)



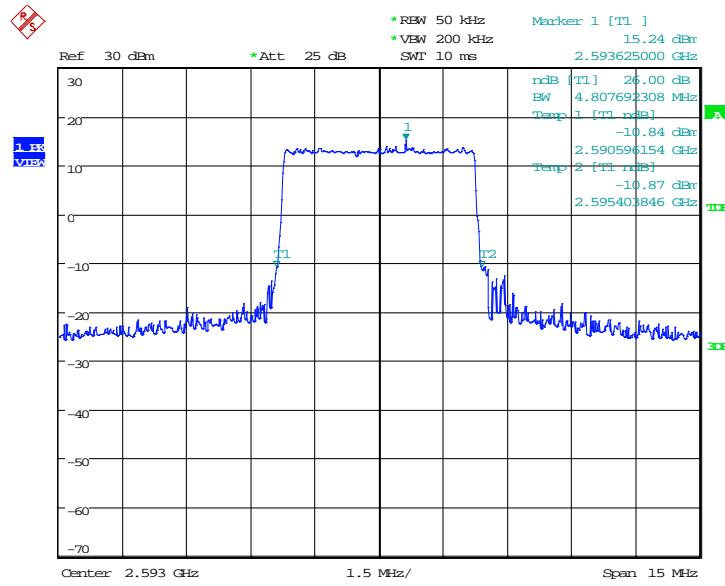
Date: 11.JUN.2019 19:28:58

LTE band 41, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 11.JUN.2019 19:27:36

LTE band 41, 5MHz Bandwidth, 64QAM (-26dBc BW)

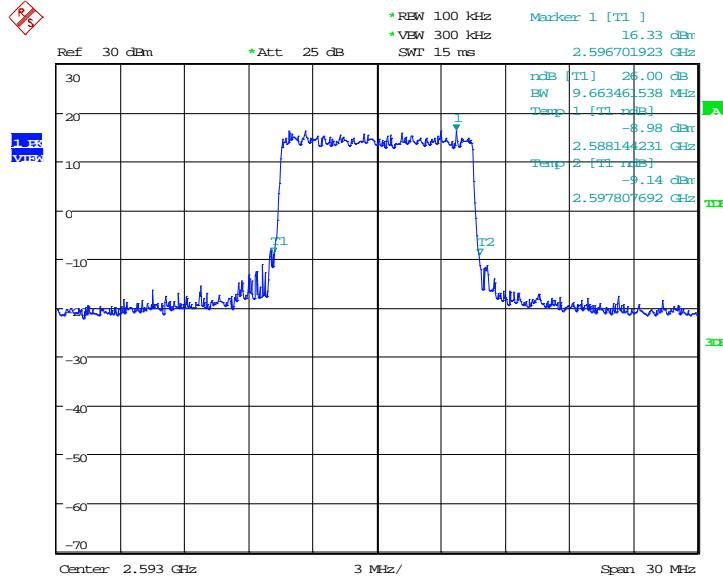


Date: 31.MAY.2019 16:04:05

LTE band 41, 10MHz (-26dBc BW)

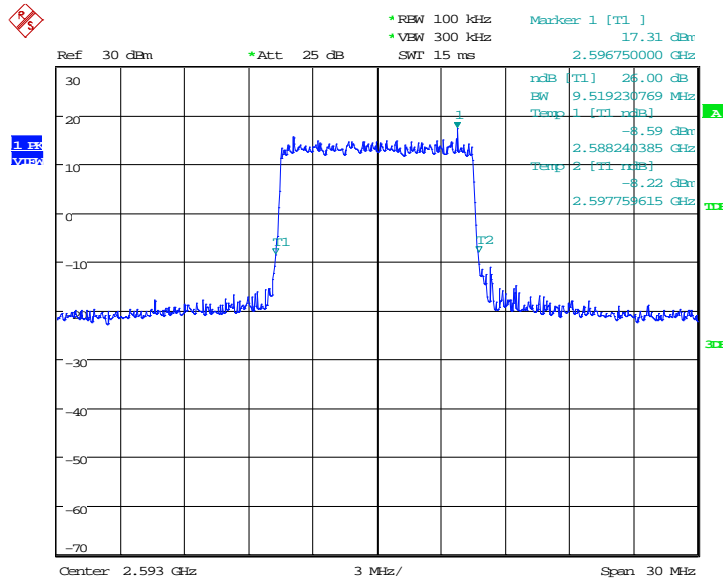
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	9663.46	9519.23	9663.46

LTE band 41, 10MHz Bandwidth, QPSK (-26dBc BW)



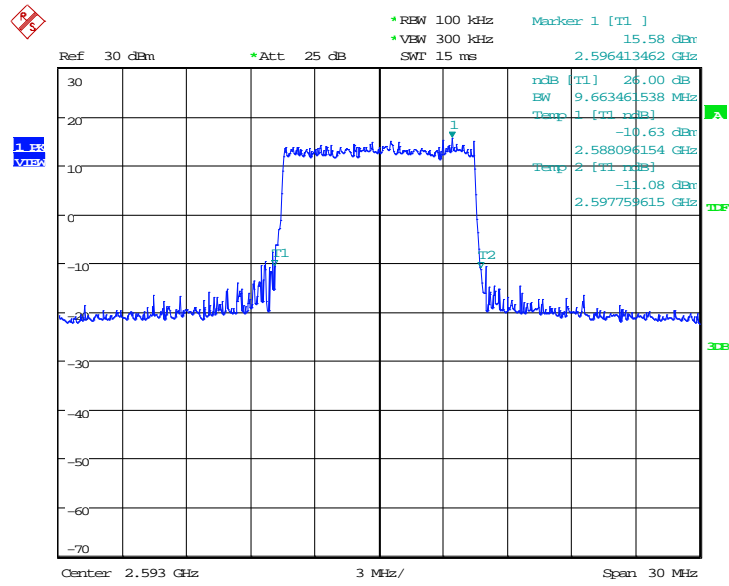
Date: 11.JUN.2019 19:18:54

LTE band 41, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 19:18:08

LTE band 41, 10MHz Bandwidth, 64QAM (-26dBc BW)

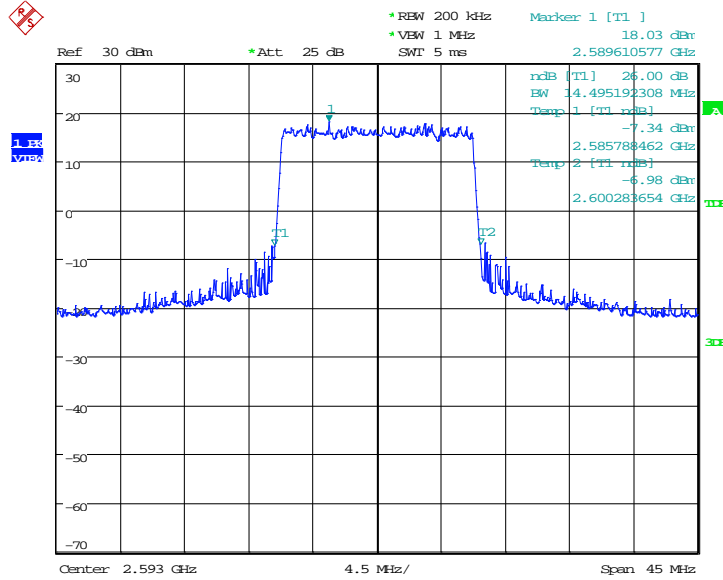


Date: 31.MAY.2019 16:06:37

LTE band 41, 15MHz (-26dBc BW)

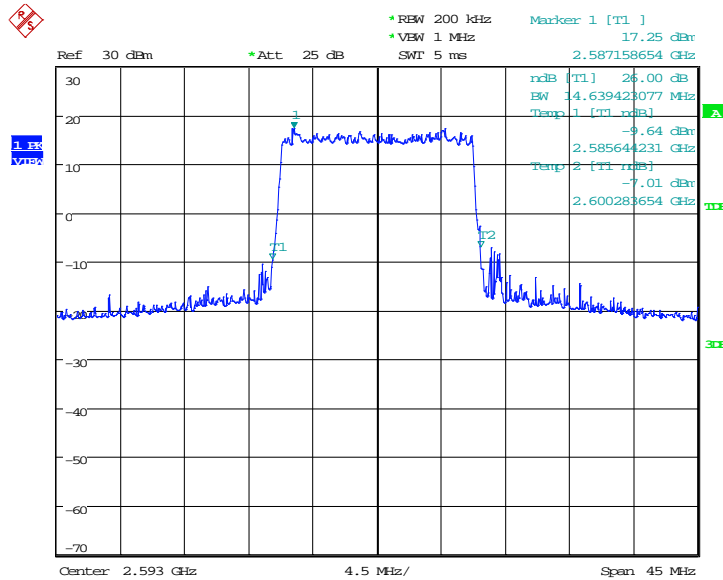
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	14495.19	14639.42	14567.31

LTE band 41, 15MHz Bandwidth, QPSK (-26dBc BW)



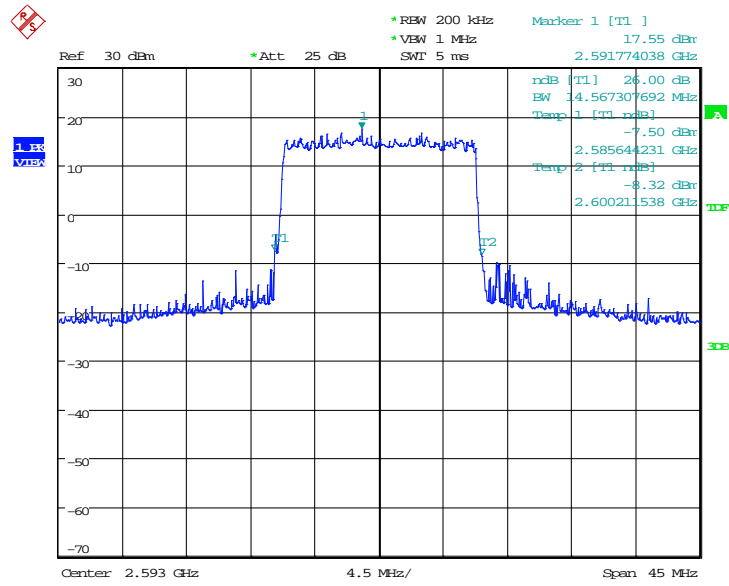
Date: 11.JUN.2019 19:33:40

LTE band 41, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 19:32:57

LTE band 41, 15MHz Bandwidth, 64QAM (-26dBc BW)

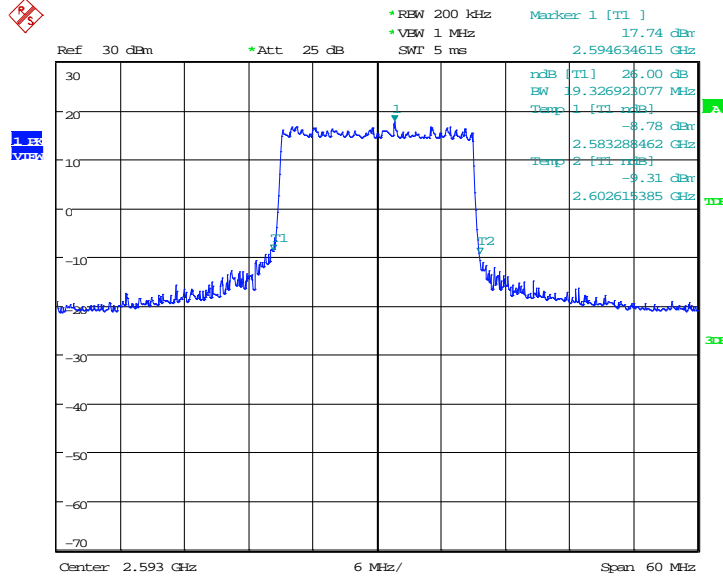


Date: 31.MAY.2019 16:09:11

LTE band 41, 20MHz (-26dBc BW)

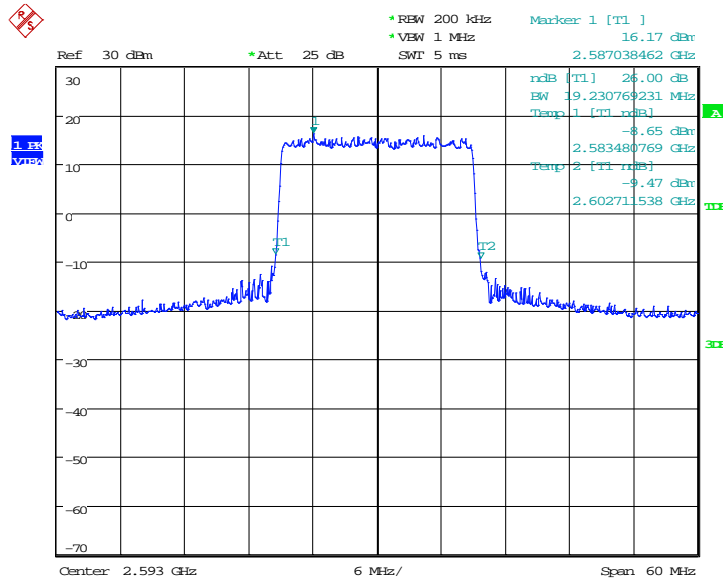
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	19326.92	19230.77	19038.46

LTE band 41, 20MHz Bandwidth, QPSK (-26dBc BW)



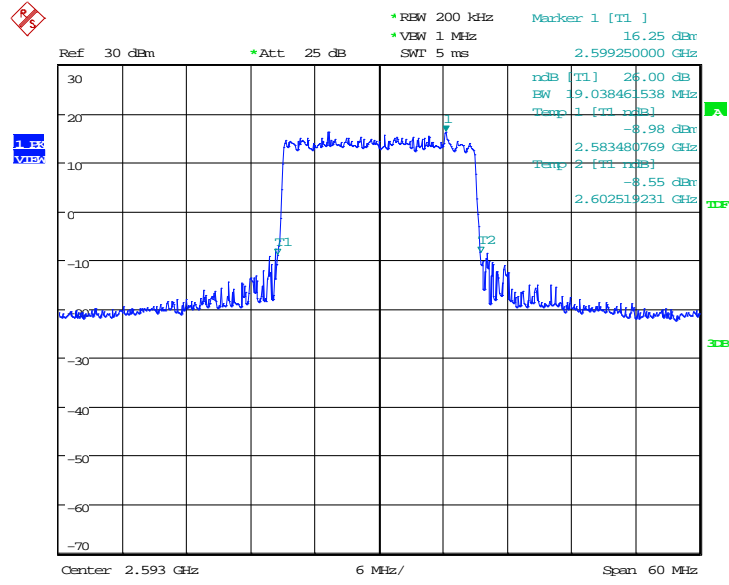
Date: 11.JUN.2019 19:39:10

LTE band 41, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 19:37:58

LTE band 41, 20MHz Bandwidth, 64QAM (-26dBc BW)

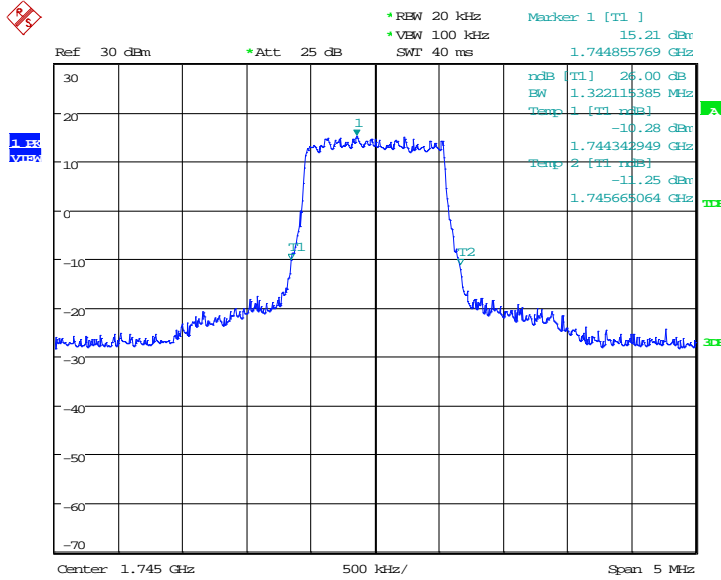


Date: 31.MAY.2019 16:11:44

LTE band 66, 1.4MHz (-26dBc BW)

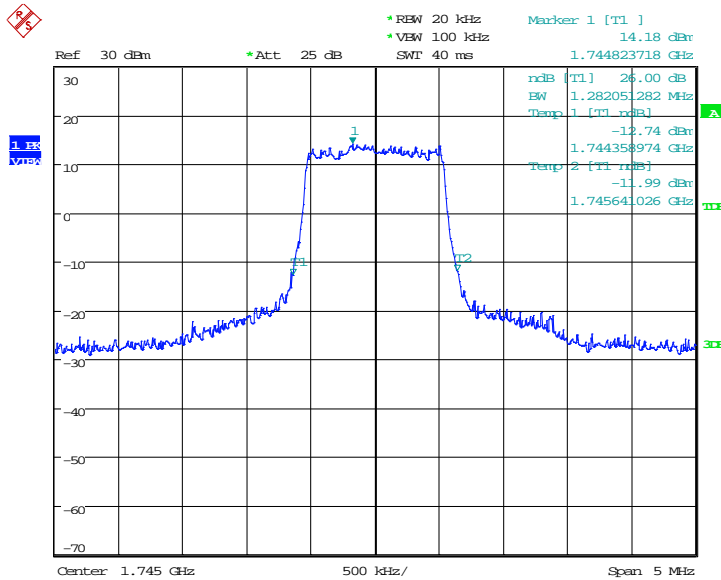
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	1322.12	1282.05	1290.06

LTE band 66, 1.4MHz Bandwidth, QPSK (-26dBc BW)



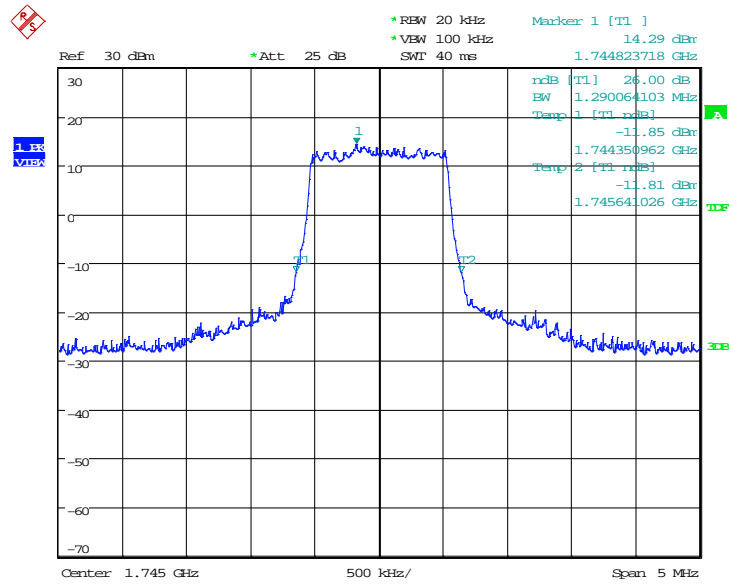
Date: 31.MAY.2019 19:15:30

LTE band 66, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:15:46

LTE band 66, 1.4MHz Bandwidth, 64QAM (-26dBc BW)

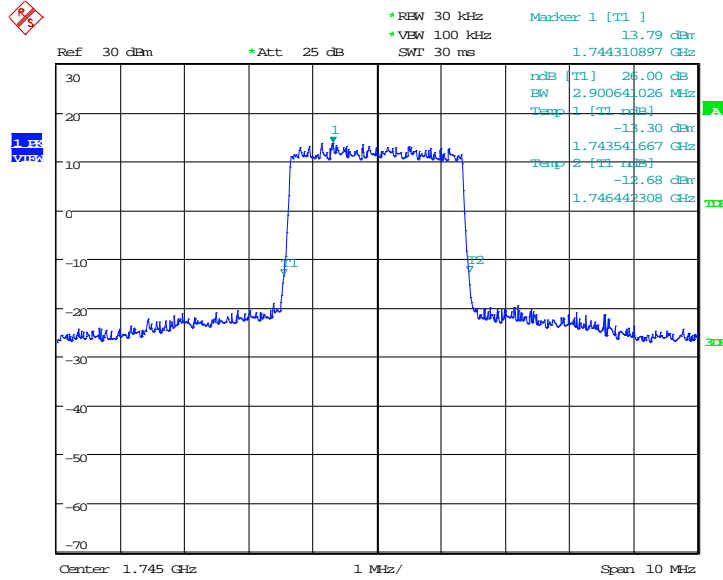


Date: 3.JUN.2019 07:30:12

LTE band 66, 3MHz (-26dBc BW)

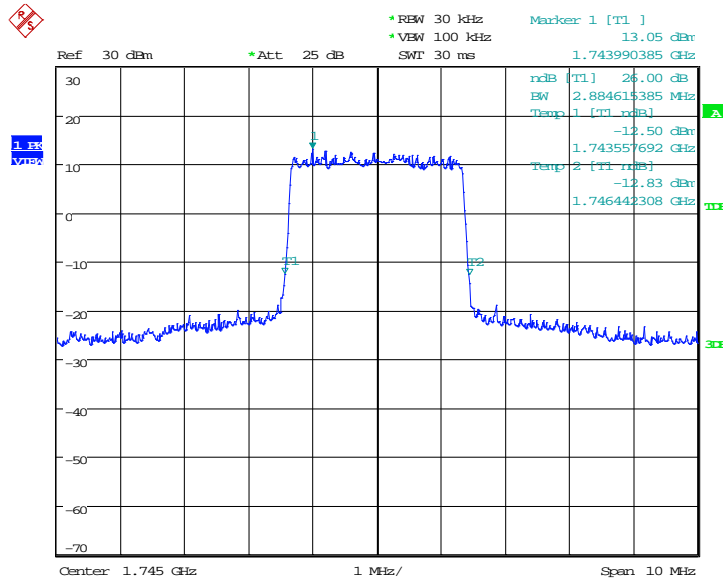
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	2900.64	2884.62	2900.64

LTE band 66, 3MHz Bandwidth, QPSK (-26dBc BW)



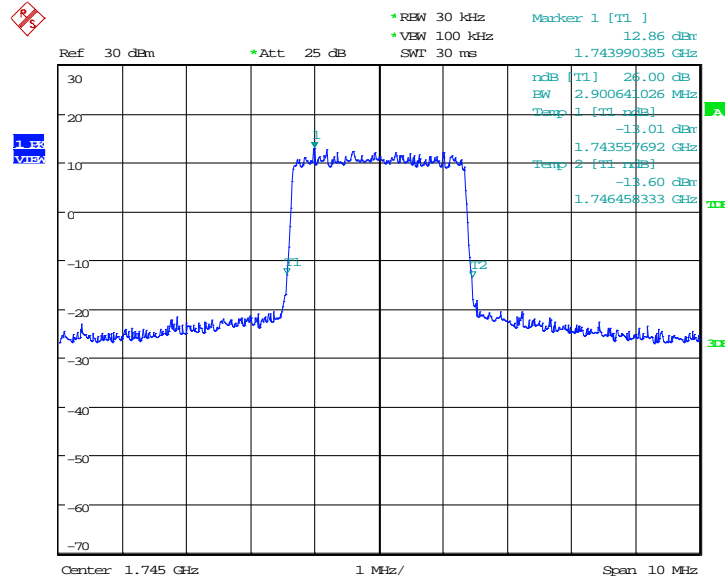
Date: 31.MAY.2019 19:18:38

LTE band 66, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:18:54

LTE band 66, 3MHz Bandwidth, 64QAM (-26dBc BW)

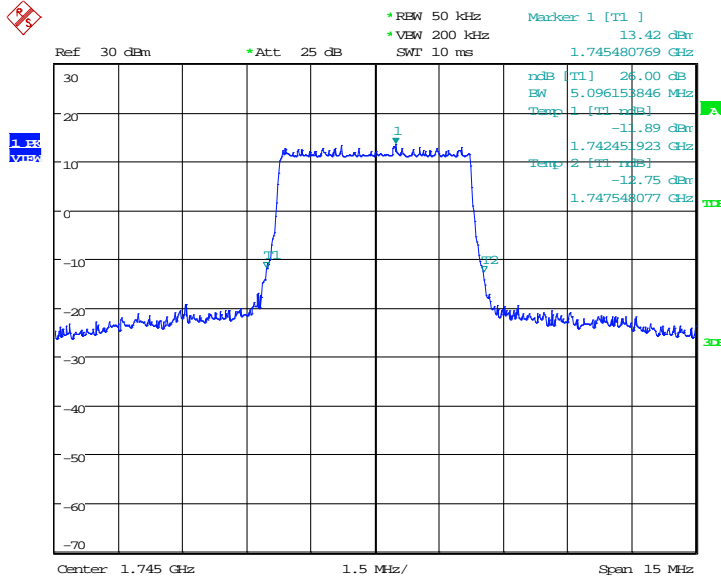


Date: 3.JUN.2019 07:32:45

LTE band 66, 5MHz (-26dBc BW)

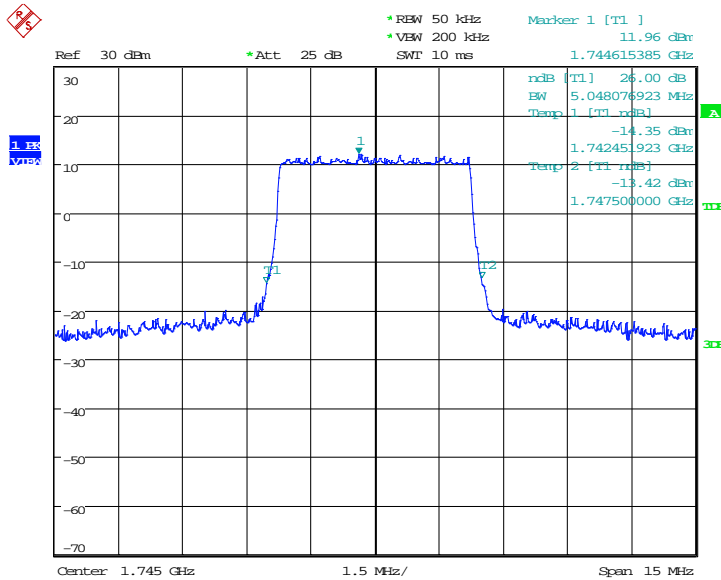
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	5096.15	5048.08	5024.04

LTE band 66, 5MHz Bandwidth, QPSK (-26dBc BW)



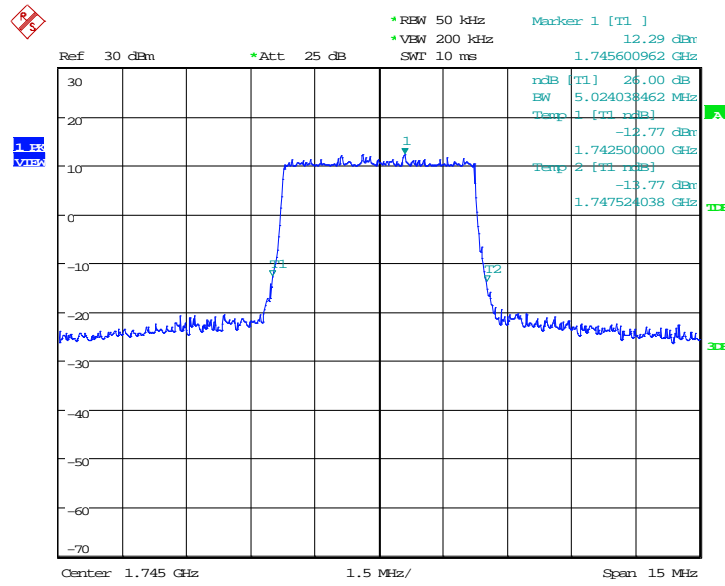
Date: 31.MAY.2019 19:21:46

LTE band 66, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 31.MAY.2019 19:22:02

LTE band 66, 5MHz Bandwidth, 64QAM (-26dBc BW)

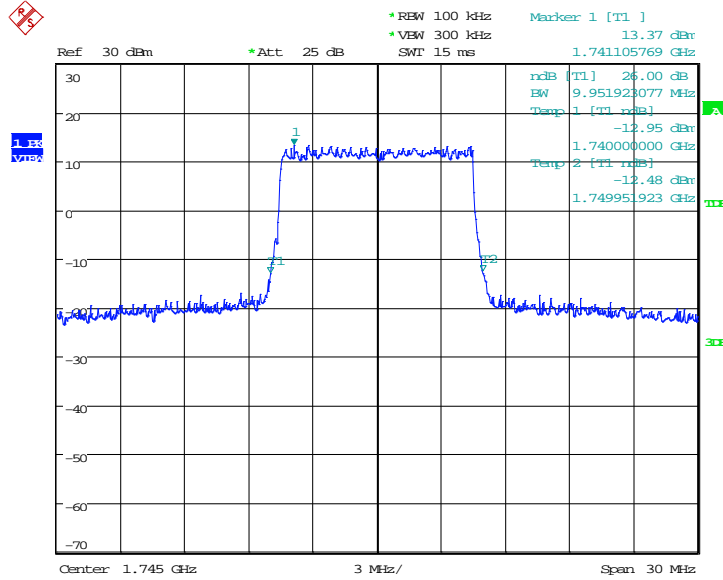


Date: 3.JUN.2019 07:35:18

LTE band 66, 10MHz (-26dBc BW)

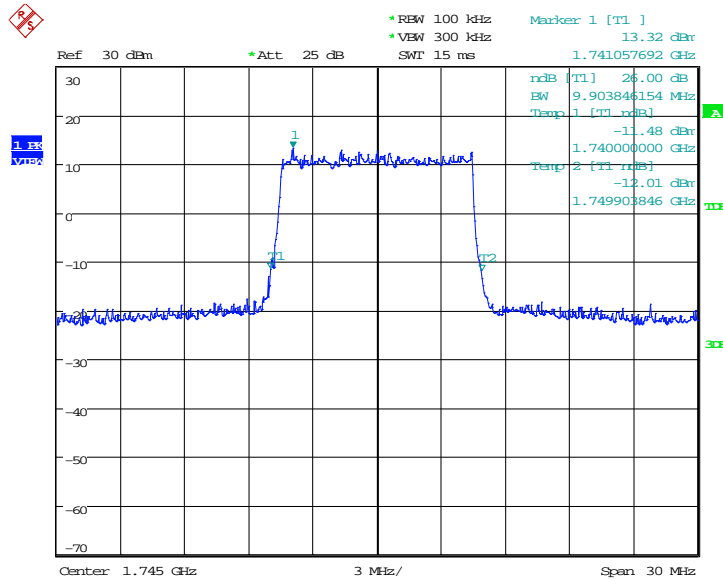
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	9951.92	9903.85	10000.00

LTE band 66, 10MHz Bandwidth, QPSK (-26dBc BW)



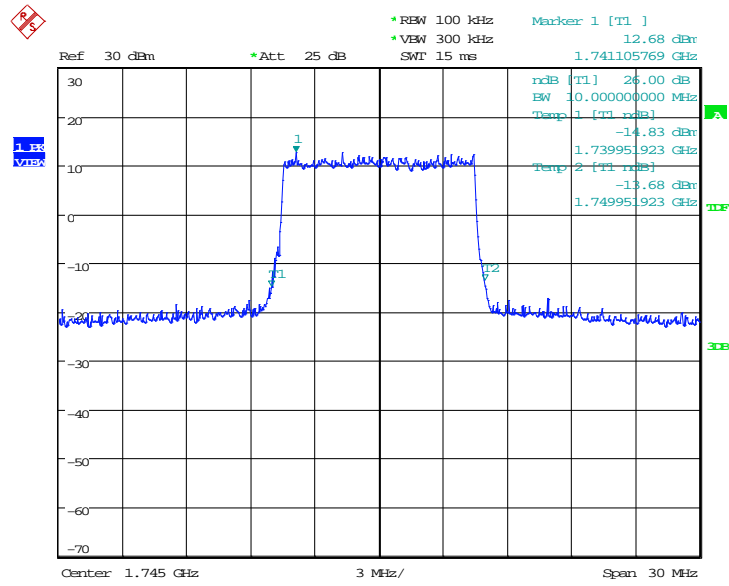
Date: 31.MAY.2019 19:24:55

LTE band 66, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:25:10

LTE band 66, 10MHz Bandwidth, 64QAM (-26dBc BW)

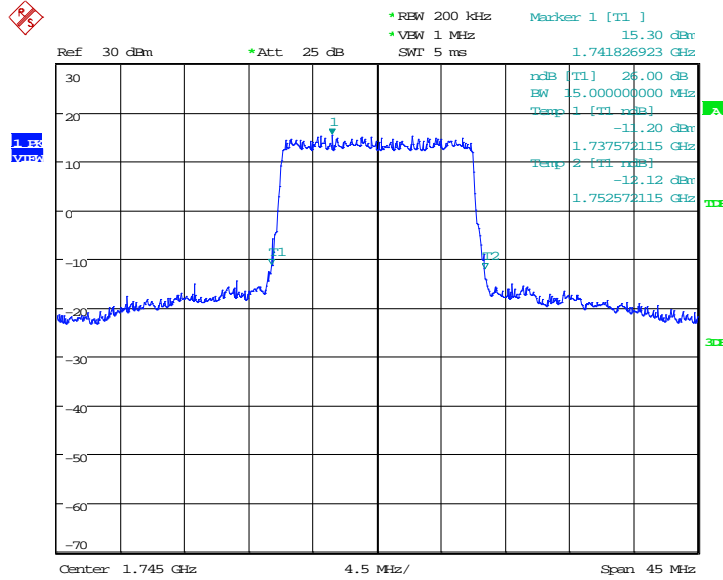


Date: 3.JUN.2019 07:37:50

LTE band 66, 15MHz (-26dBc BW)

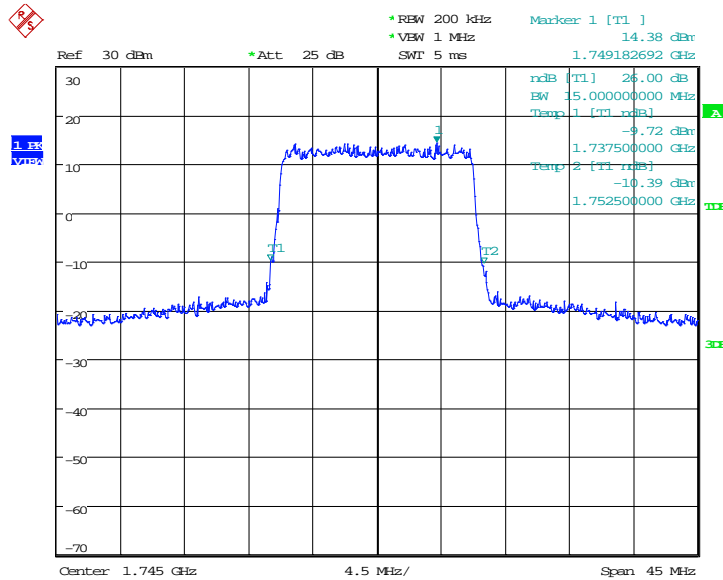
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	15000.00	15000.00	15000.00

LTE band 66, 15MHz Bandwidth, QPSK (-26dBc BW)



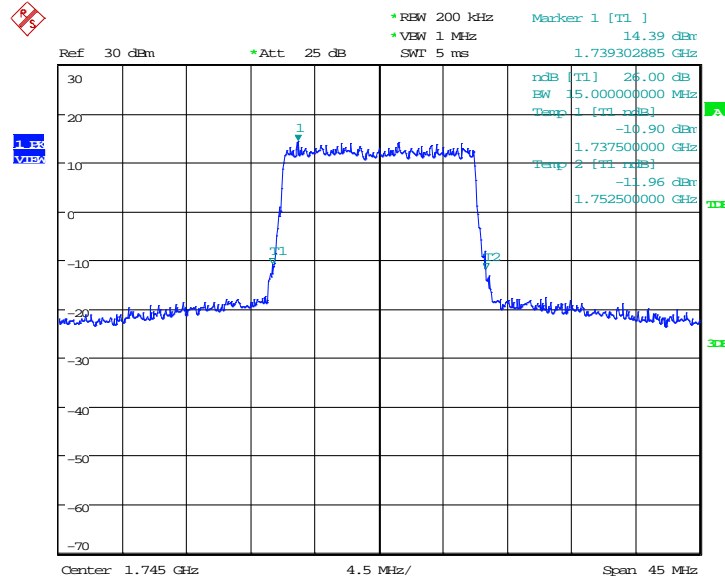
Date: 31.MAY.2019 19:28:03

LTE band 66, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:28:19

LTE band 66, 15MHz Bandwidth, 64QAM (-26dBc BW)

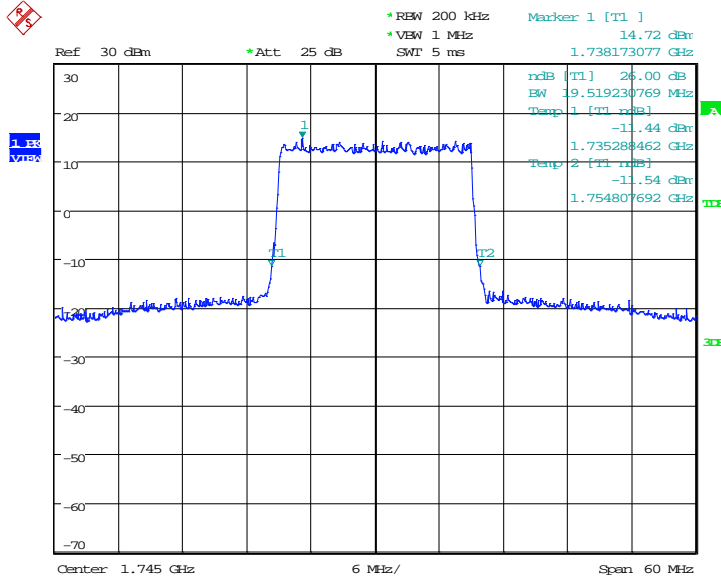


Date: 3.JUN.2019 07:40:23

LTE band 66, 20MHz (-26dBc BW)

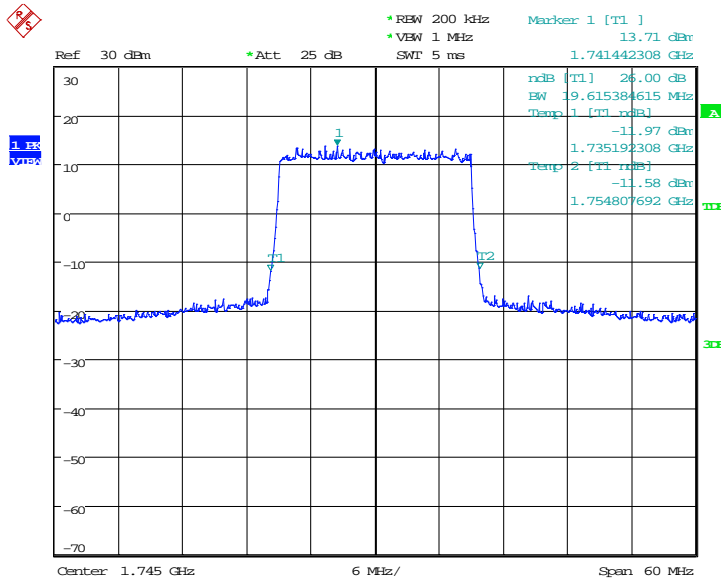
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	19519.23	19615.38	19519.23

LTE band 66, 20MHz Bandwidth, QPSK (-26dBc BW)



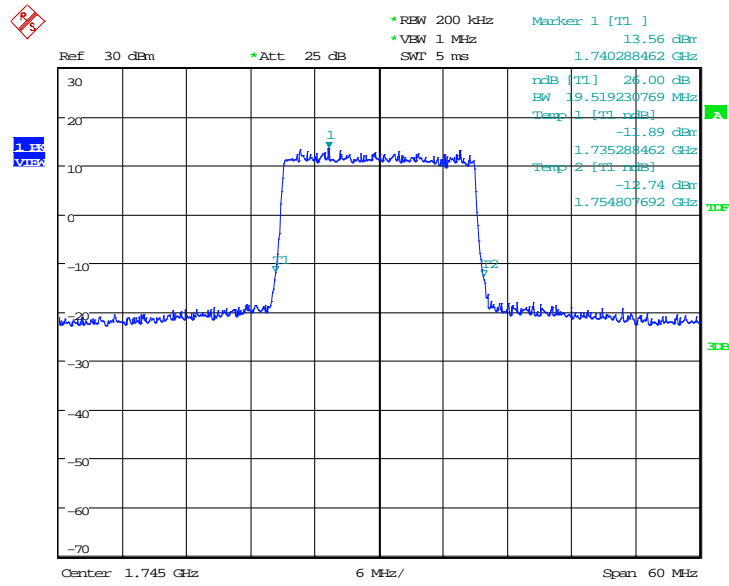
Date: 31.MAY.2019 19:31:12

LTE band 66, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 31.MAY.2019 19:31:28

LTE band 66, 20MHz Bandwidth, 64QAM (-26dBc BW)

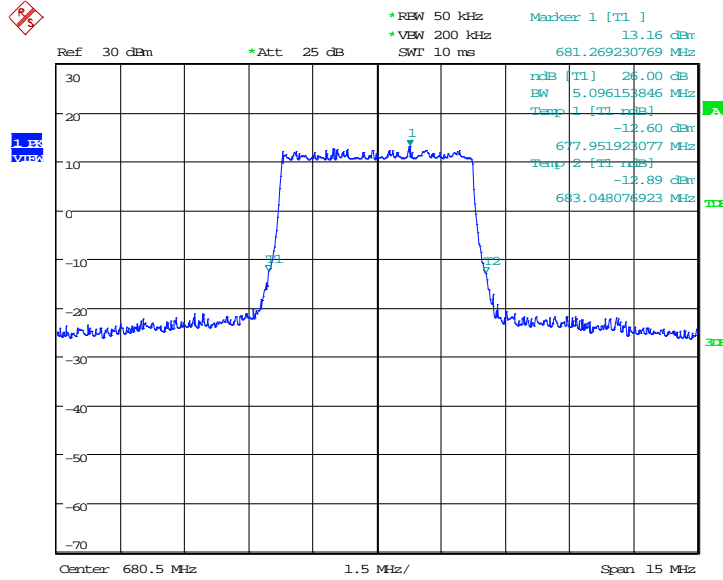


Date: 3.JUN.2019 07:49:56

LTE band 71, 5MHz (-26dBc BW)

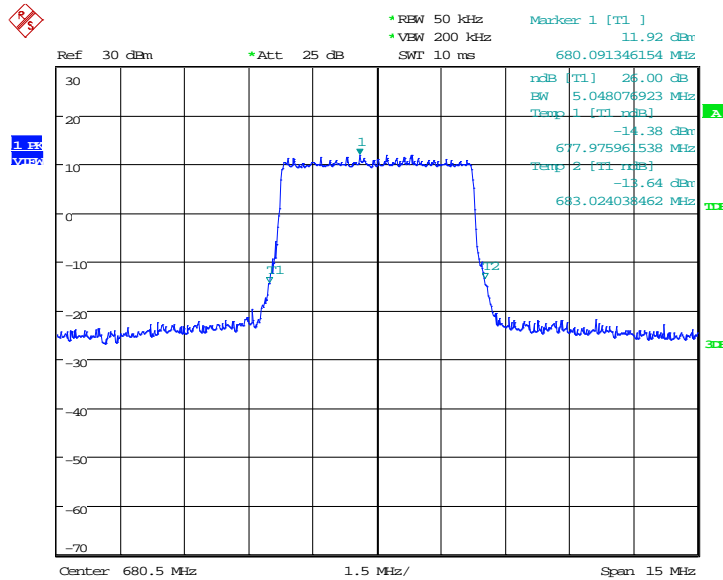
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	5096.15	5048.08	5048.08

LTE band 71, 5MHz Bandwidth, QPSK (-26dBc BW)



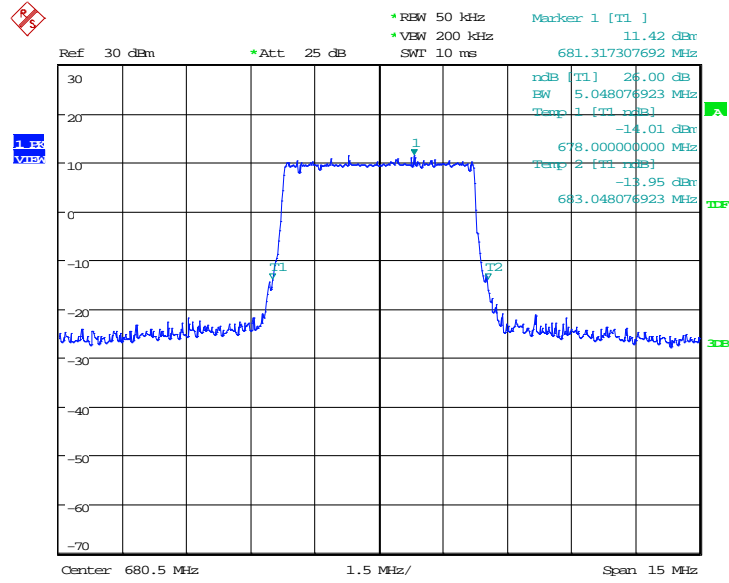
Date: 10.JUN.2019 13:30:47

LTE band 71, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 10.JUN.2019 13:30:06

LTE band 71, 5MHz Bandwidth, 64QAM (-26dBc BW)

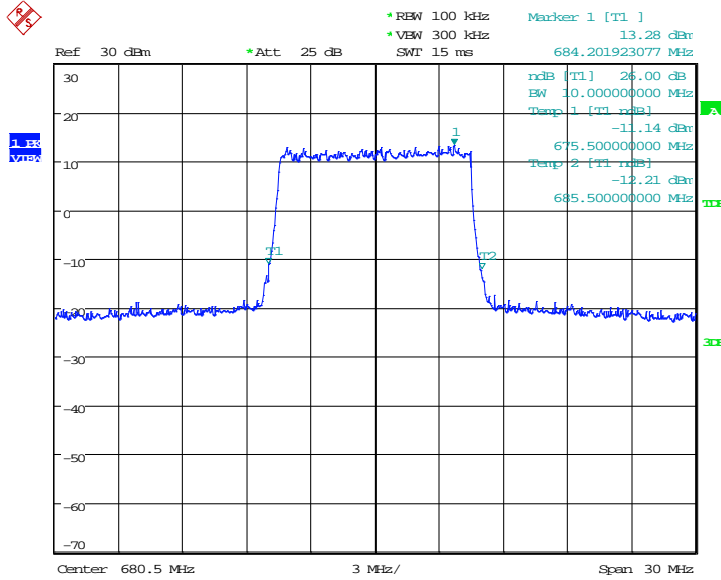


Date: 10.JUN.2019 13:29:37

LTE band 71, 10MHz (-26dBc BW)

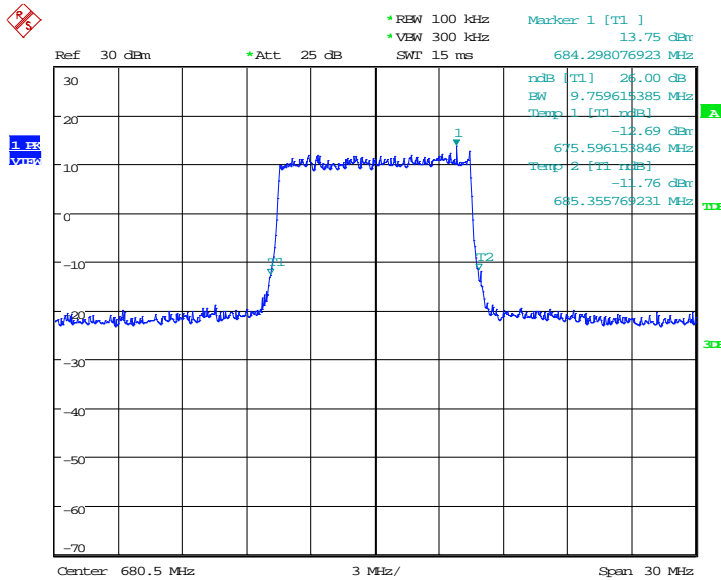
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	10000.00	9759.62	9855.77

LTE band 71, 10MHz Bandwidth, QPSK (-26dBc BW)



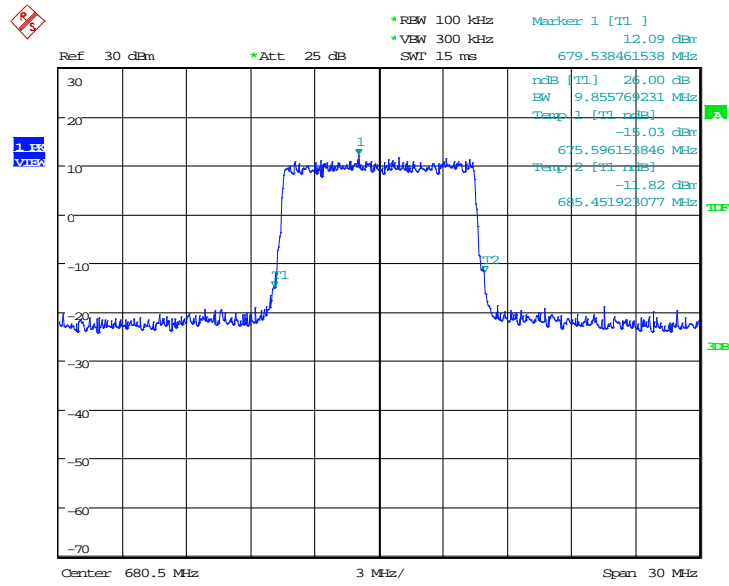
Date: 10.JUN.2019 13:40:09

LTE band 71, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10.JUN.2019 13:40:43

LTE band 71, 10MHz Bandwidth, 64QAM (-26dBc BW)

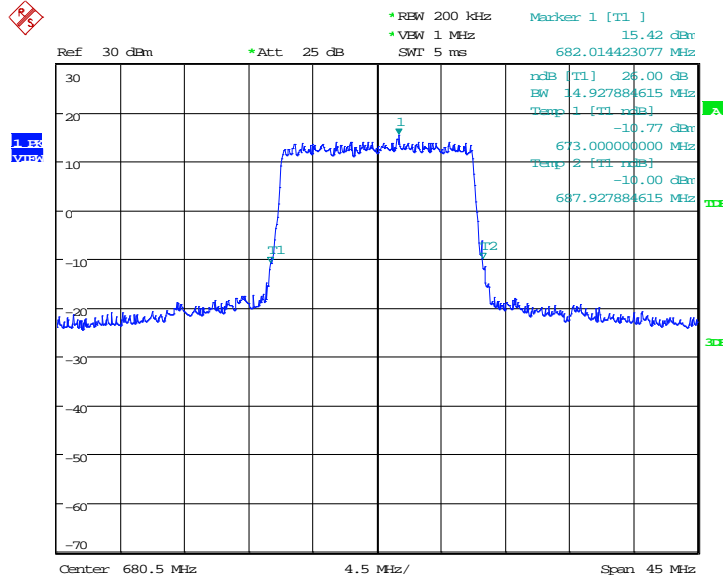


Date: 10.JUN.2019 13:41:05

LTE band 71, 15MHz (-26dBc BW)

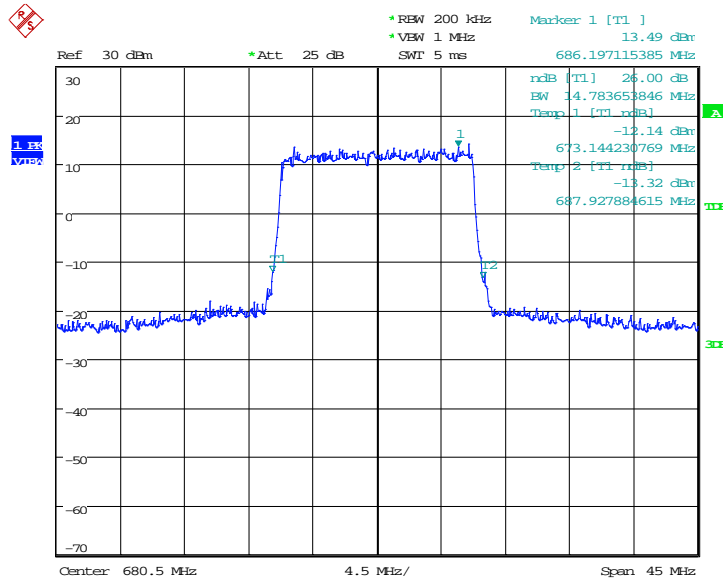
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
680.5	14927.88	14783.65	14495.19

LTE band 71, 15MHz Bandwidth, QPSK (-26dBc BW)



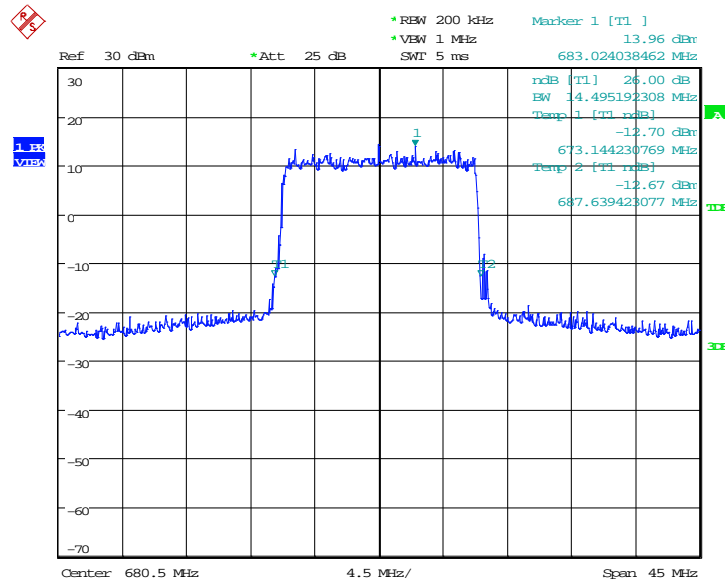
Date: 10. JUN. 2019 13:46:23

LTE band 71, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10. JUN. 2019 13:45:47

LTE band 71, 15MHz Bandwidth, 64QAM (-26dBc BW)

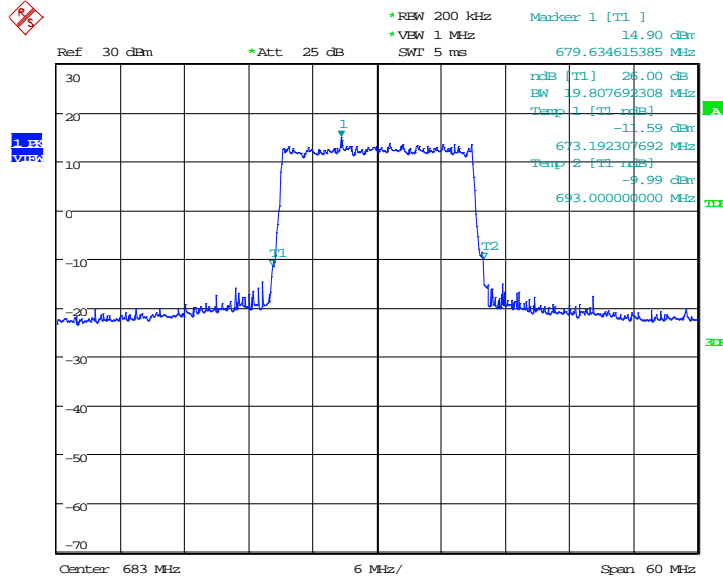


Date: 10.JUN.2019 13:45:28

LTE band 71, 20MHz (-26dBc BW)

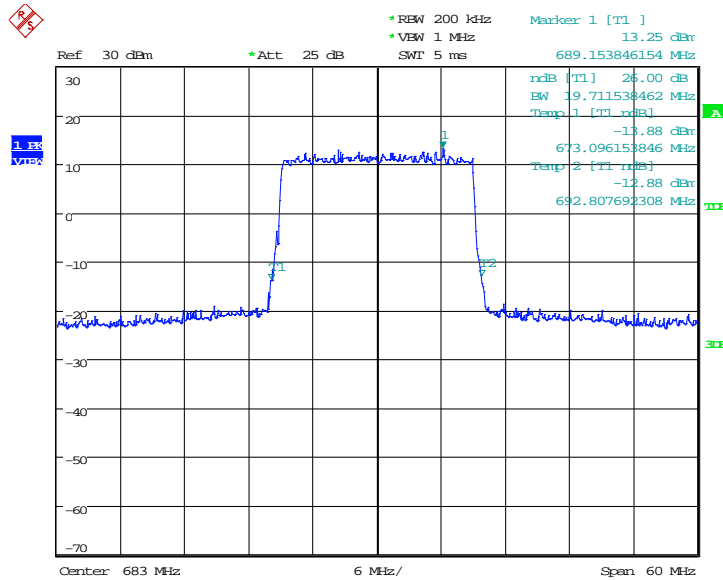
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
683.0	19807.69	19711.54	19519.23

LTE band 71, 20MHz Bandwidth, QPSK (-26dBc BW)



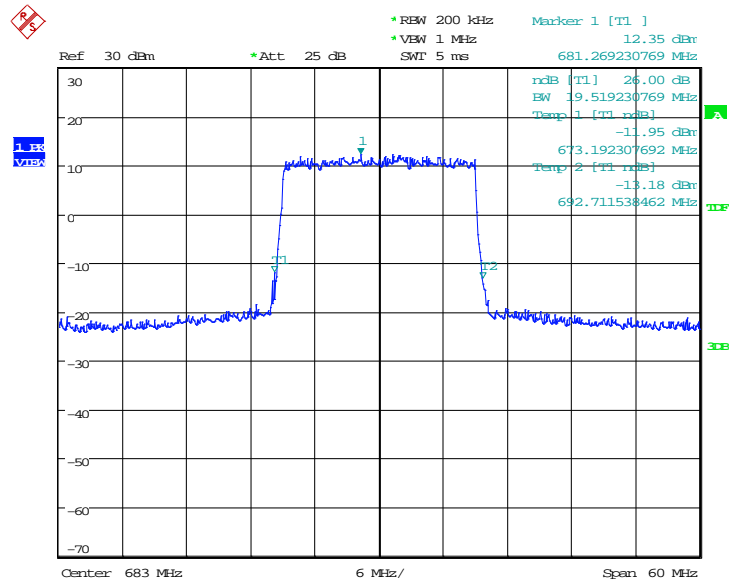
Date: 10.JUN.2019 13:48:17

LTE band 71, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 10.JUN.2019 13:48:47

LTE band 71, 20MHz Bandwidth, 64QAM (-26dBc BW)

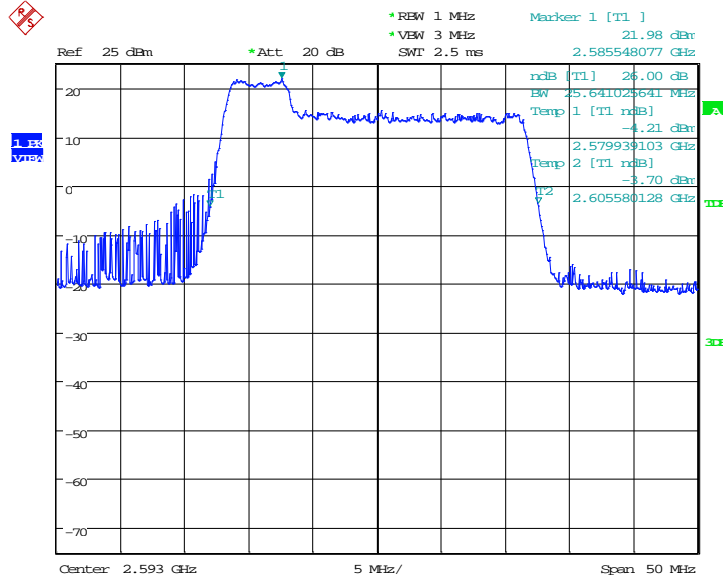


Date: 10.JUN.2019 13:49:05

LTE Band CA_41C, 5MHz+20MHz (-26dBc BW)

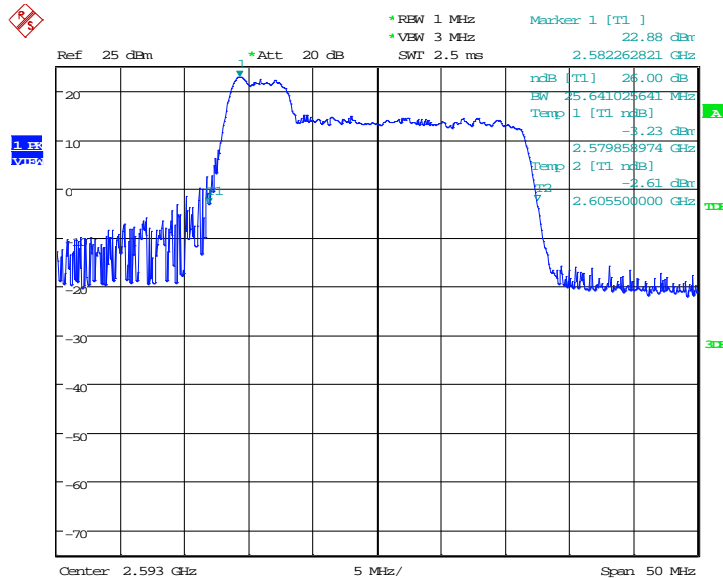
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	25641.03	25641.03	25400.64

LTE Band CA_41C, 5MHz+20MHz Bandwidth, QPSK (-26dBc BW)



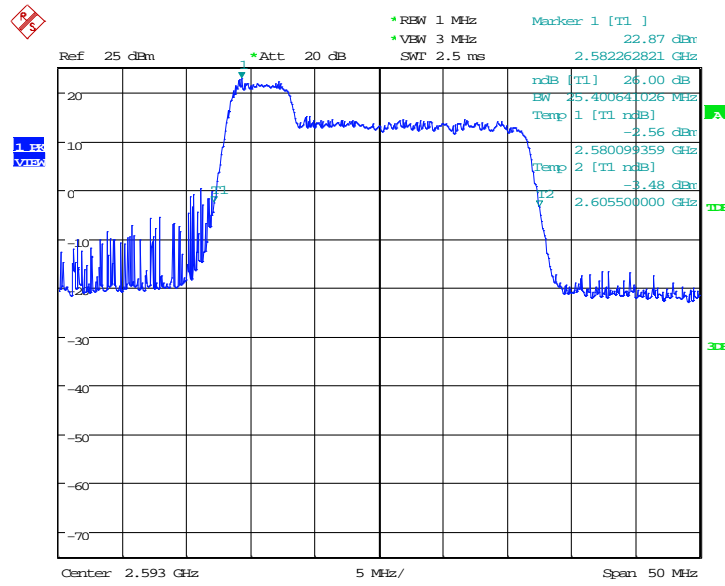
Date: 11.JUN.2019 06:26:08

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:23:36

LTE Band CA_41C, 5MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

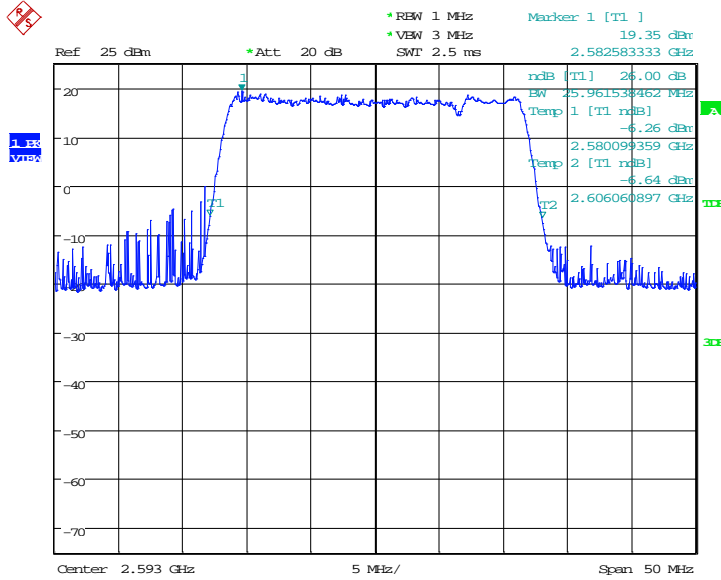


Date: 11.JUN.2019 06:22:55

LTE Band CA_41C, 20MHz+5MHz (-26dBc BW)

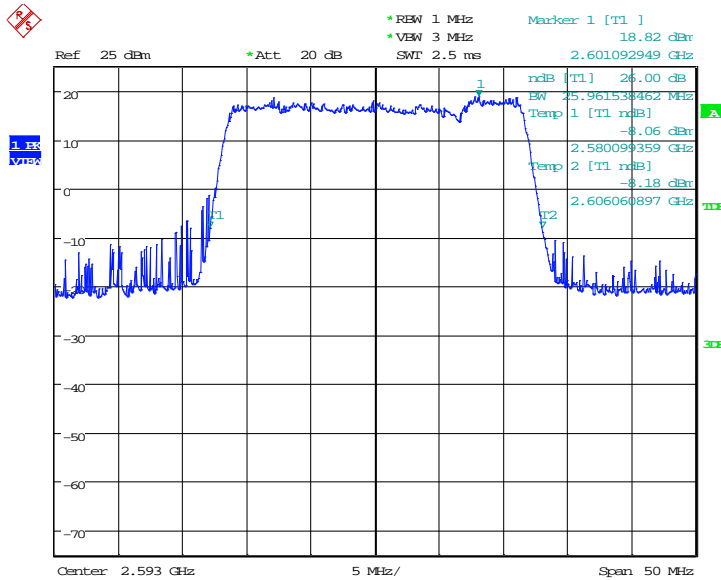
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	25961.54	25961.54	25881.41

LTE Band CA_41C, 20MHz+5MHz Bandwidth, QPSK (-26dBc BW)



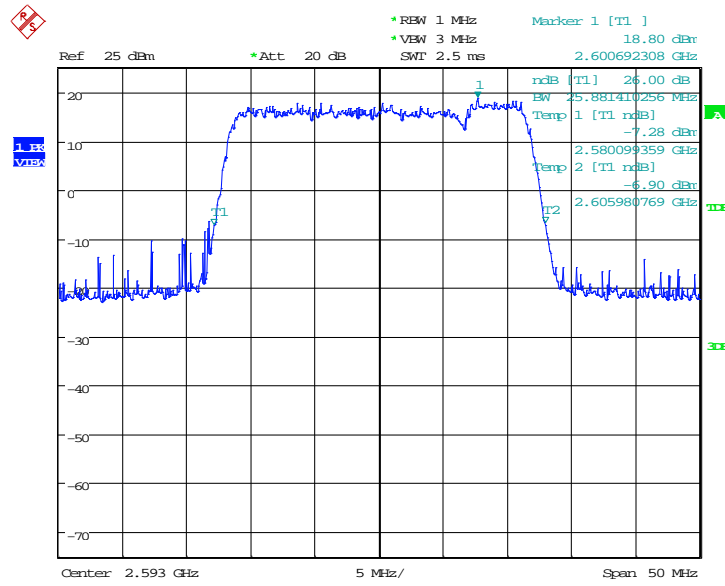
Date: 11.JUN.2019 06:31:46

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:32:22

LTE Band CA_41C, 20MHz+5MHz Bandwidth, 64QAM (-26dBc BW)

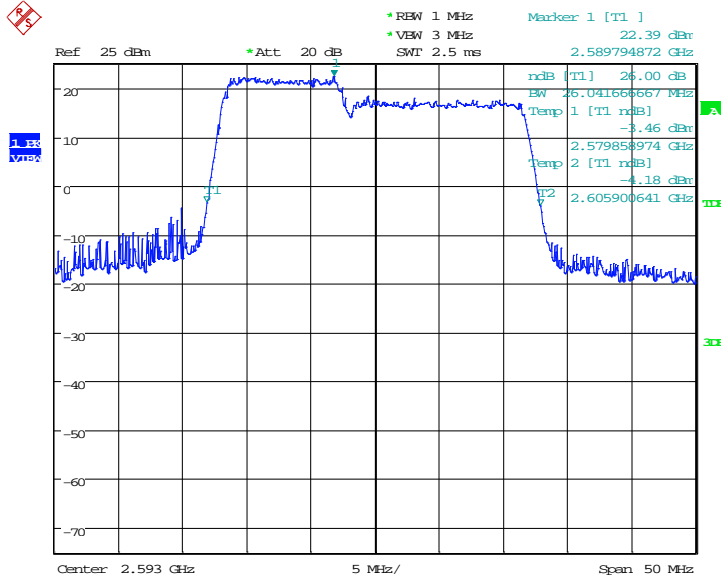


Date: 11.JUN.2019 06:32:41

LTE Band CA_41C, 10MHz+15MHz (-26dBc BW)

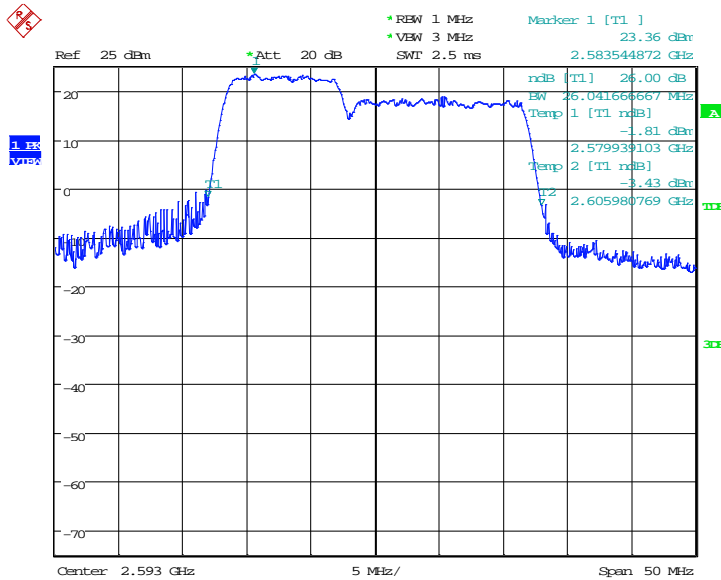
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	26041.67	26041.67	25961.54

LTE Band CA_41C, 10MHz+15MHz Bandwidth, QPSK (-26dBc BW)



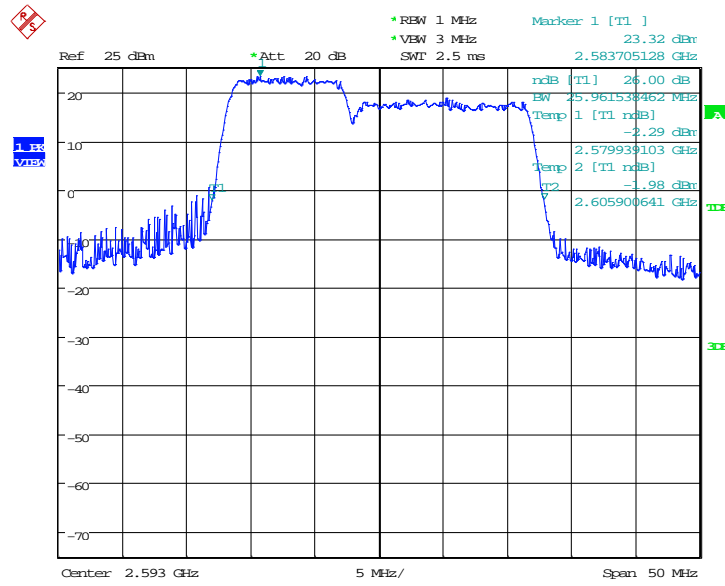
Date: 11.JUN.2019 06:39:37

LTE Band CA_41C, 10MHz+15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:39:05

LTE Band CA_41C, 10MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

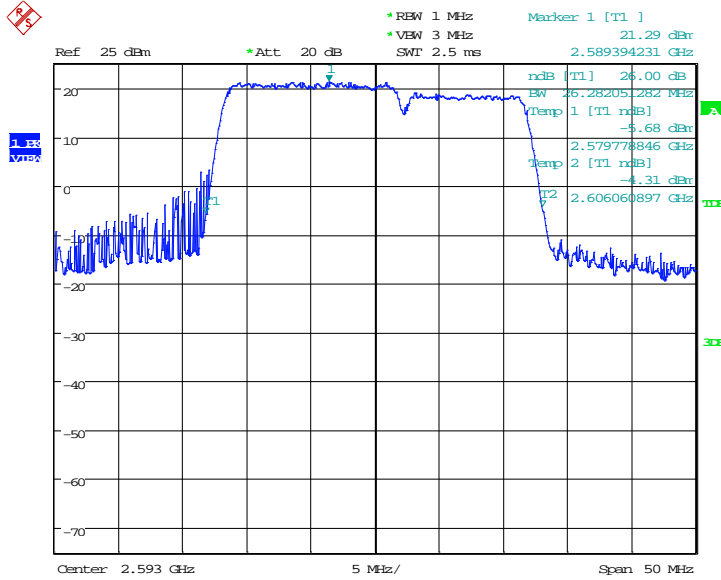


Date: 11.JUN.2019 06:38:21

LTE Band CA_41C, 15MHz+10MHz (-26dBc BW)

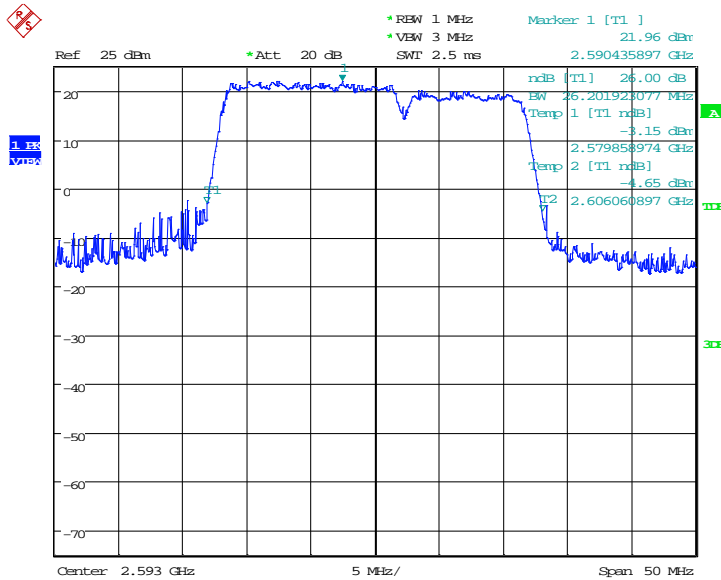
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	26282.05	26201.92	26201.92

LTE Band CA_41C, 15MHz+10MHz Bandwidth, QPSK (-26dBc BW)



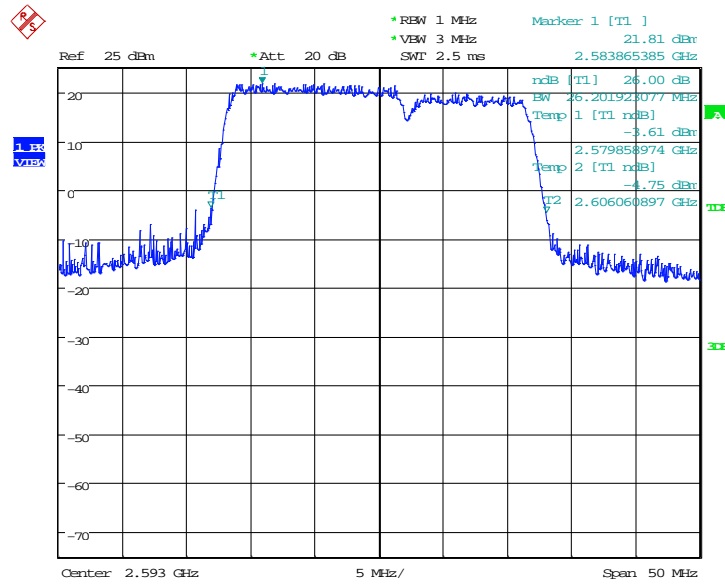
Date: 11.JUN.2019 06:41:20

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:41:59

LTE Band CA_41C, 15MHz+10MHz Bandwidth, 64QAM (-26dBc BW)

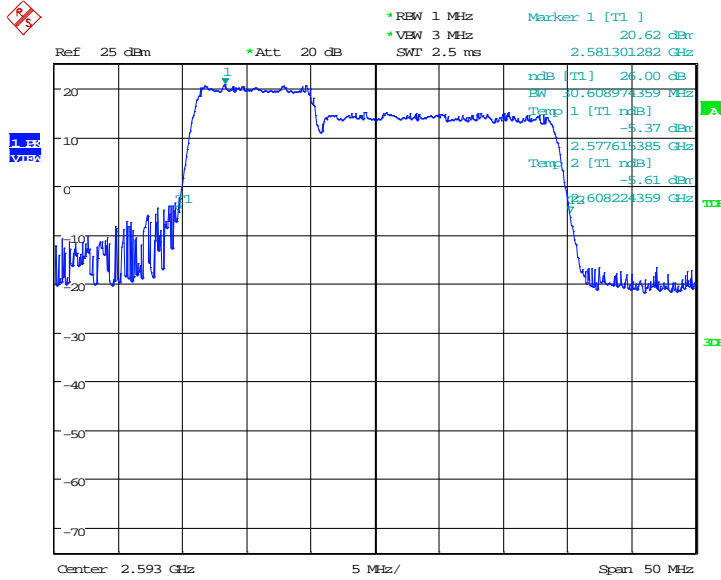


Date: 11.JUN.2019 06:42:15

LTE Band CA_41C, 10MHz+20MHz (-26dBc BW)

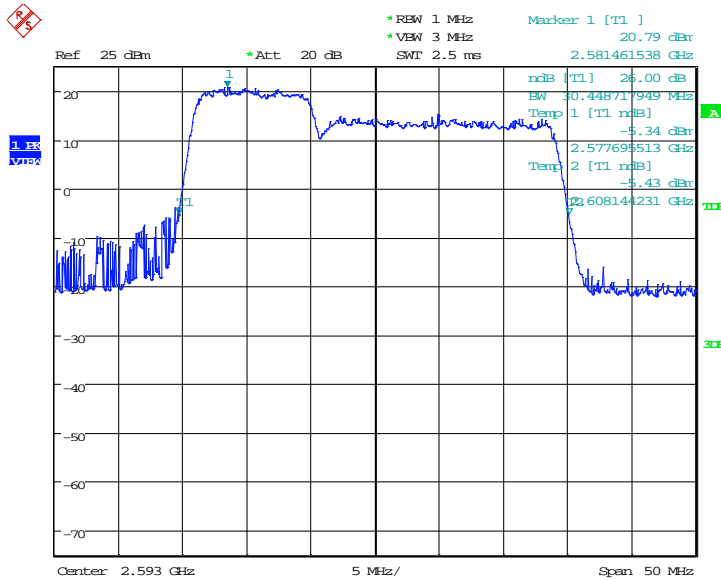
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	30608.97	30448.72	30448.72

LTE Band CA_41C, 10MHz+20MHz Bandwidth, QPSK (-26dBc BW)



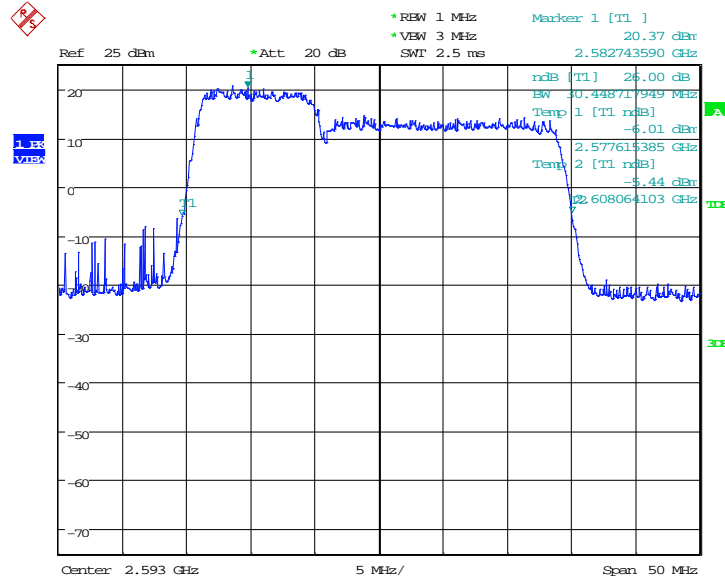
Date: 11.JUN.2019 06:48:46

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:47:54

LTE Band CA_41C, 10MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

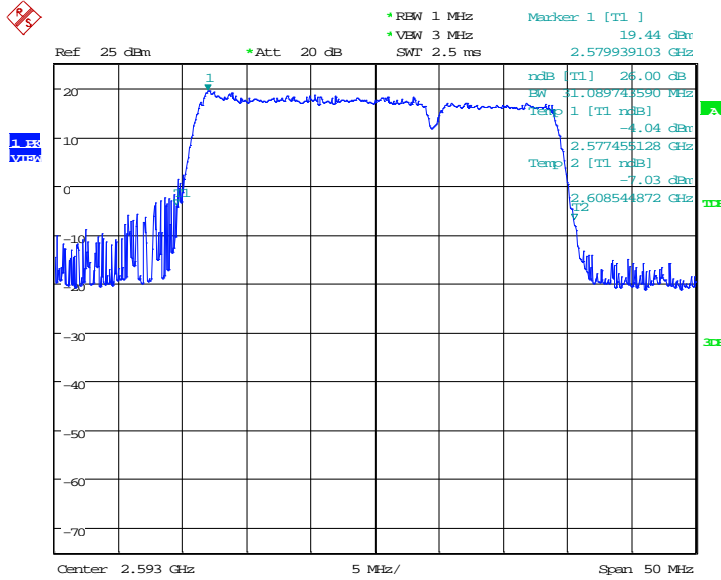


Date: 11.JUN.2019 06:47:28

LTE Band CA_41C, 20MHz+10MHz (-26dBc BW)

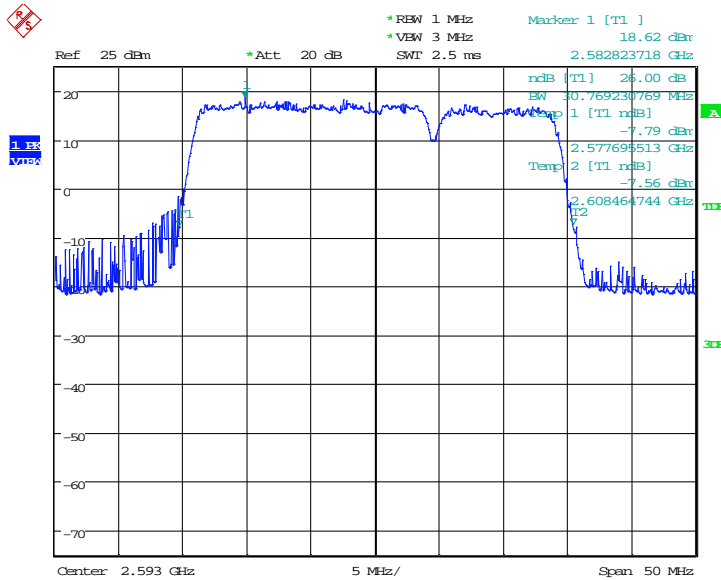
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	31089.74	30769.23	30769.23

LTE Band CA_41C, 20MHz+10MHz Bandwidth, QPSK (-26dBc BW)



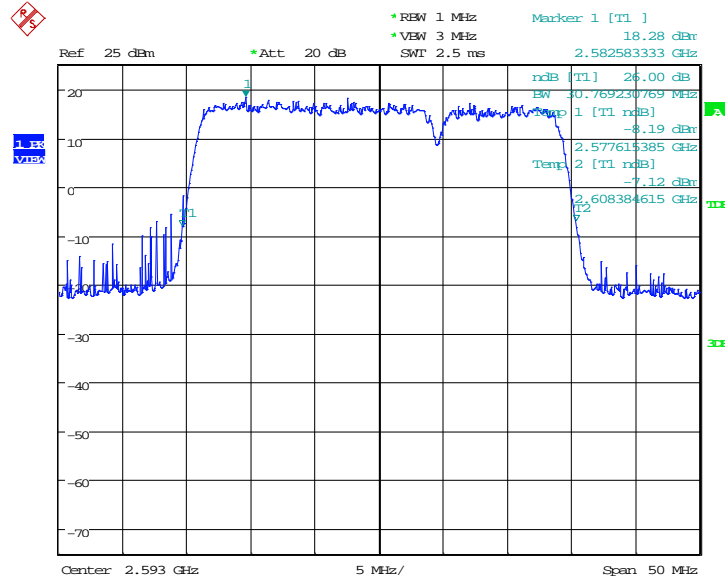
Date: 11.JUN.2019 06:52:06

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 06:52:44

LTE Band CA_41C, 20MHz+10MHz Bandwidth, 64QAM (-26dBc BW)

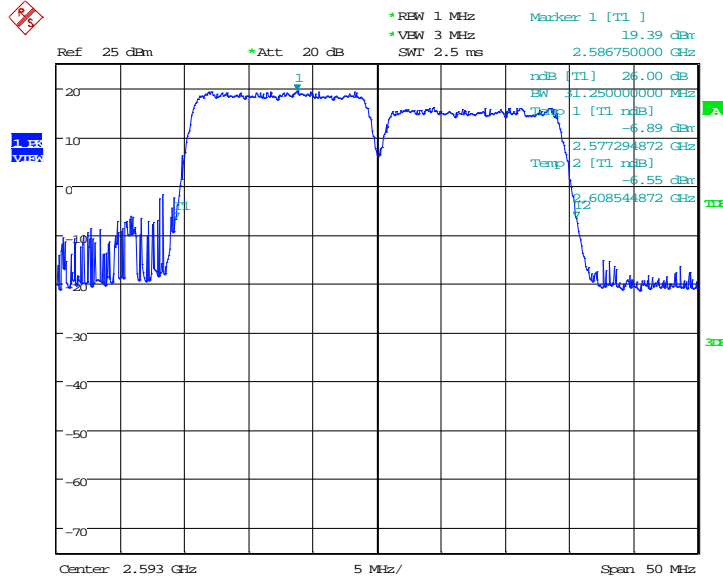


Date: 11.JUN.2019 06:52:58

LTE Band CA_41C, 15MHz+15MHz (-26dBc BW)

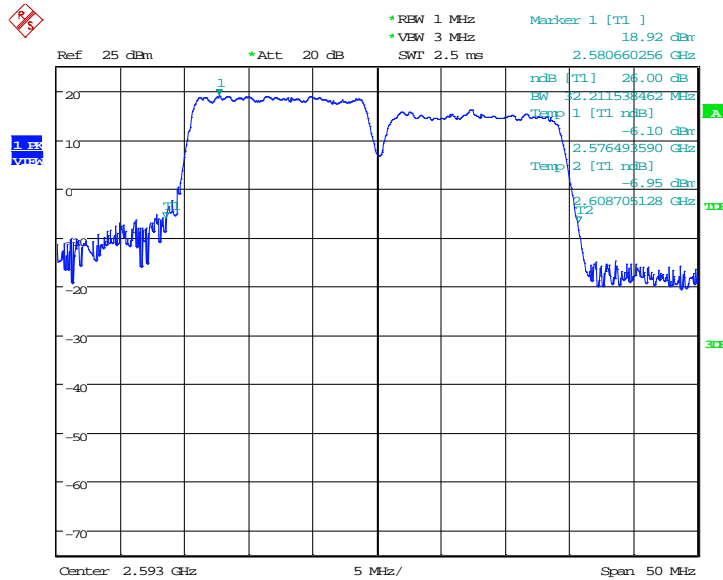
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	31250.00	32211.54	31250.00

LTE Band CA_41C, 15MHz+15MHz Bandwidth, QPSK (-26dBc BW)



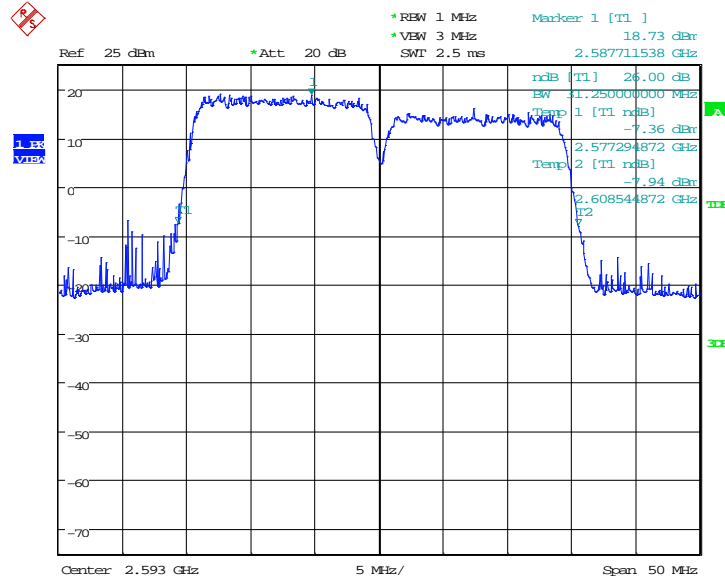
Date: 11.JUN.2019 07:02:21

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 07:01:43

LTE Band CA_41C, 15MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

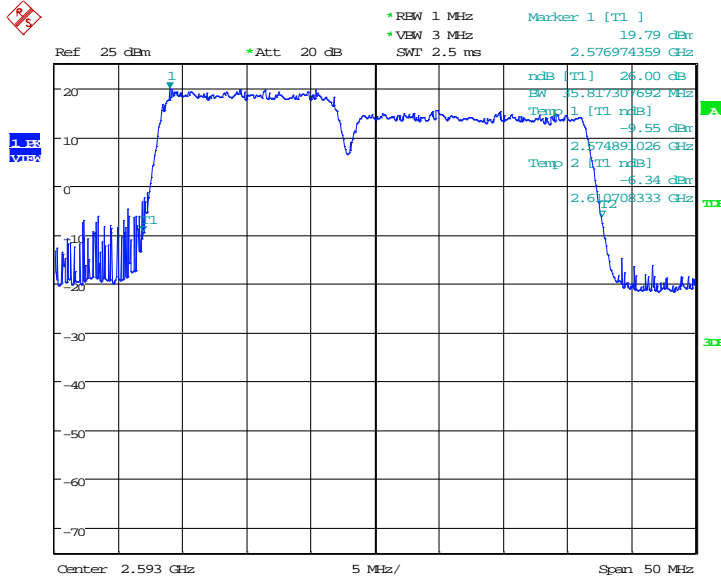


Date: 11.JUN.2019 07:00:03

LTE Band CA_41C, 15MHz+20MHz (-26dBc BW)

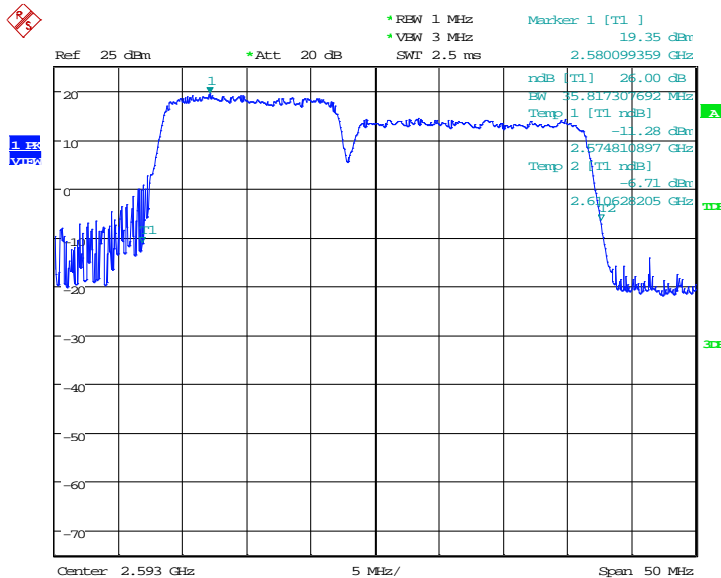
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	35817.31	35817.31	35496.79

LTE Band CA_41C, 15MHz+20MHz Bandwidth, QPSK (-26dBc BW)



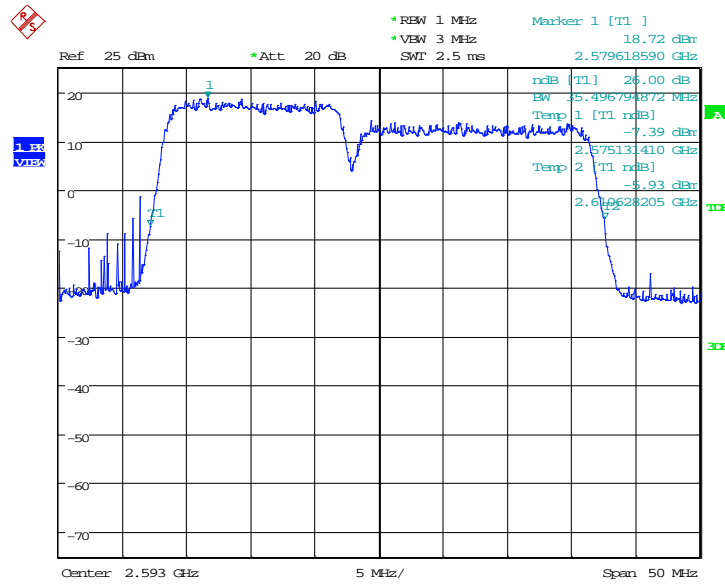
Date: 11.JUN.2019 07:04:35

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 07:05:26

LTE Band CA_41C, 15MHz+20MHz Bandwidth, 64QAM (-26dBc BW)

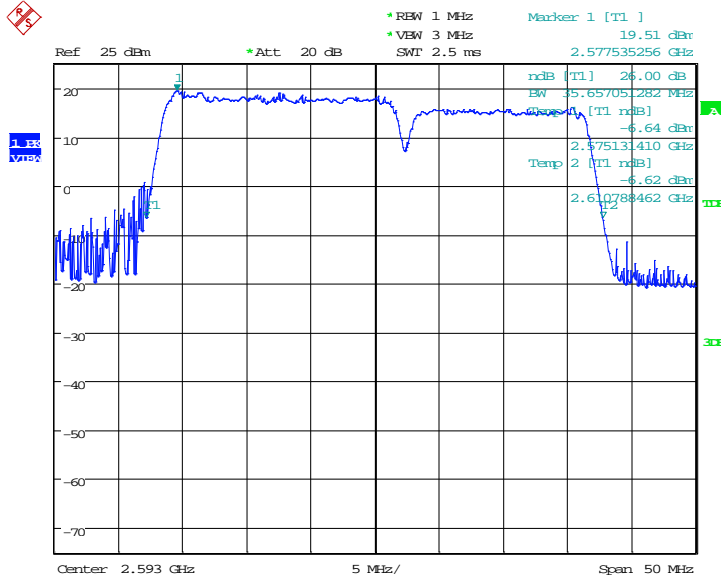


Date: 11.JUN.2019 07:05:43

LTE Band CA_41C, 20MHz+15MHz (-26dBc BW)

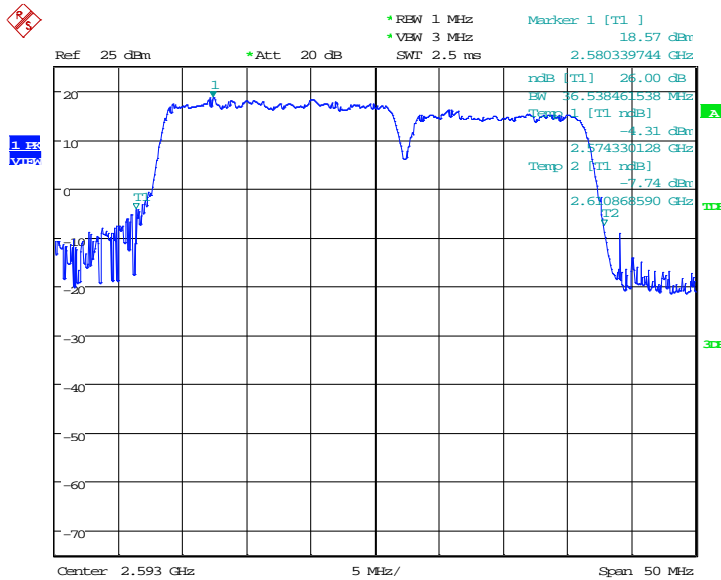
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	35657.05	36538.46	35657.05

LTE Band CA_41C, 20MHz+15MHz Bandwidth, QPSK (-26dBc BW)



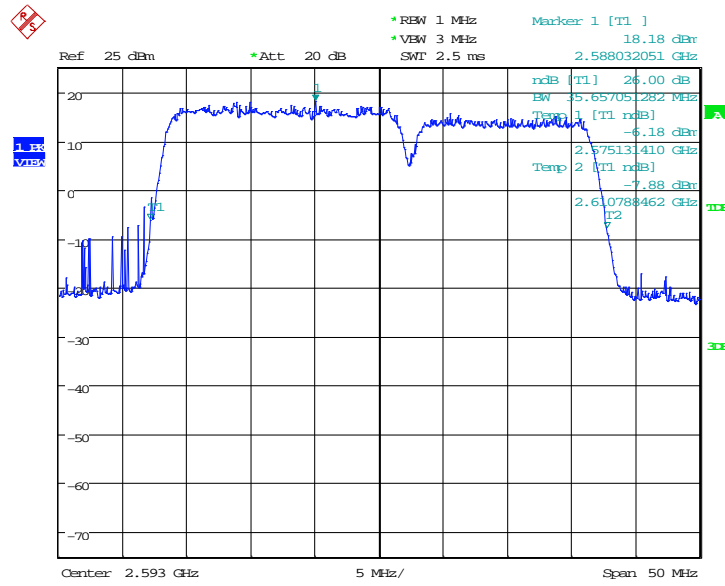
Date: 11.JUN.2019 07:12:03

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 07:11:08

LTE Band CA_41C, 20MHz+15MHz Bandwidth, 64QAM (-26dBc BW)

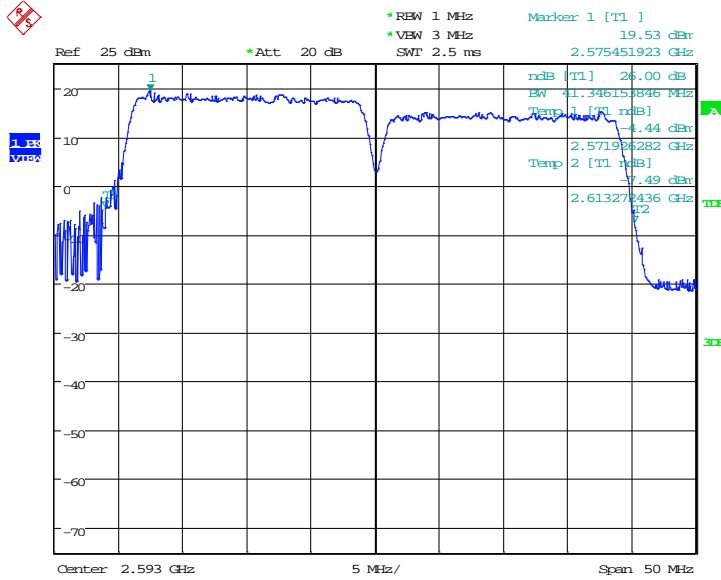


Date: 11.JUN.2019 07:10:20

LTE Band CA_41C, 20MHz+20MHz (-26dBc BW)

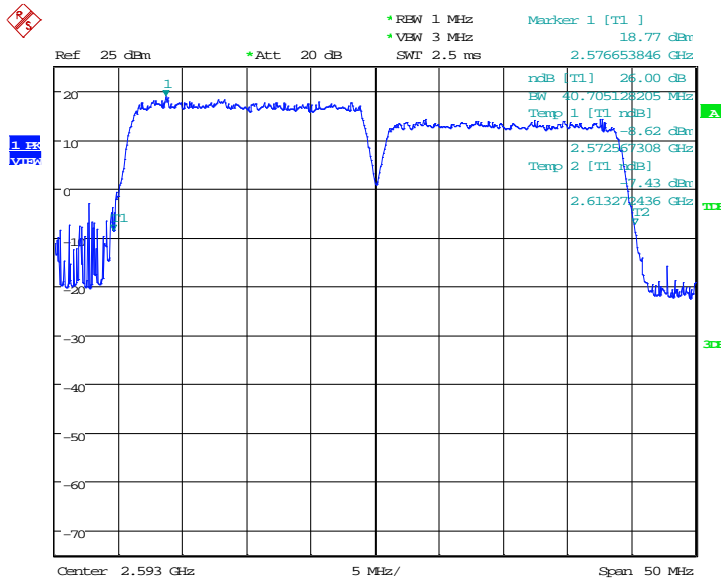
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	41346.15	40705.13	40544.87

LTE Band CA_41C, 20MHz+20MHz Bandwidth, QPSK (-26dBc BW)



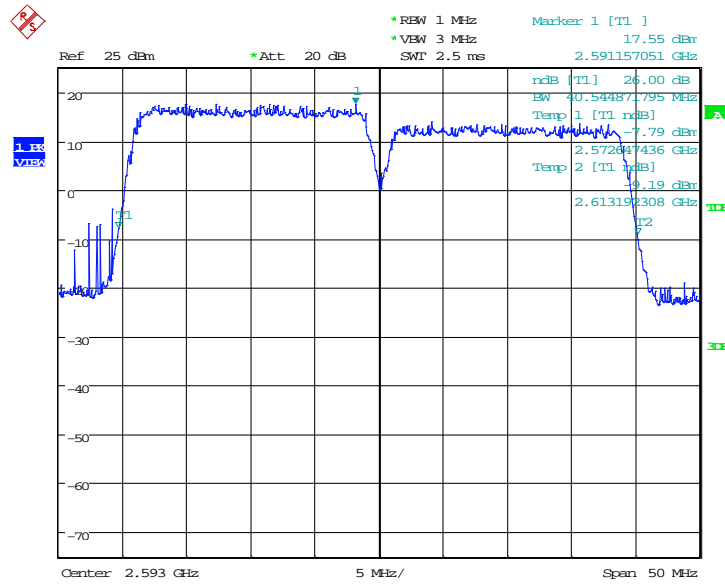
Date: 11.JUN.2019 07:13:43

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 11.JUN.2019 07:14:14

LTE Band CA_41C, 20MHz+20MHz Bandwidth, 64QAM (-26dBc BW)



Date: 11.JUN.2019 07:14:30

Note: Expanded measurement uncertainty is $U = 3428 \text{ Hz}$, $k = 2$

A.6 BAND EDGE COMPLIANCE

Reference

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53.

A.6.1 Measurement limit

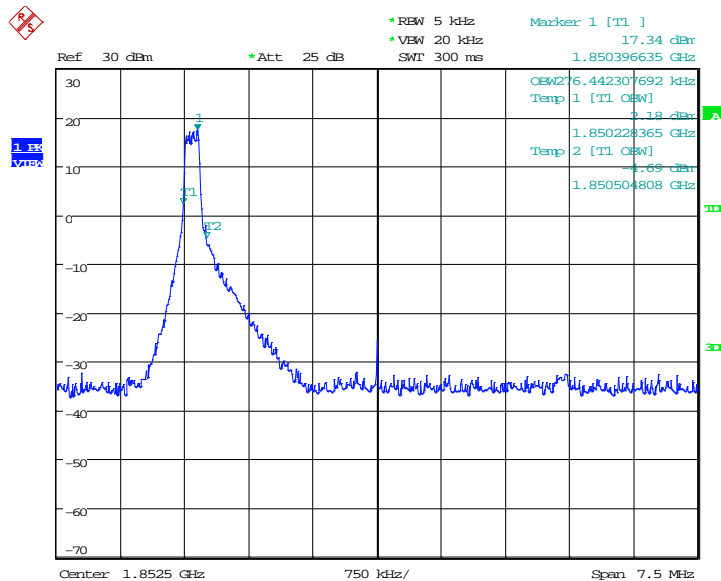
On any frequency outside frequency band of the US Cellular/PCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least $43+10\log(P)$ dB. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm. A relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band emissions without a requirement to integrate the result over the full reference bandwidth.

A.6.2 Measurement result

Only worst case result is given below

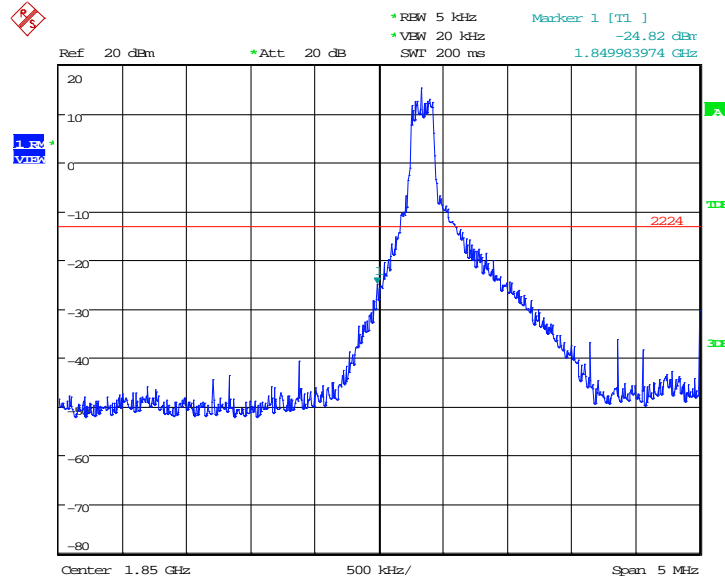
LTE band 2

OBW: 1RB-low_offset



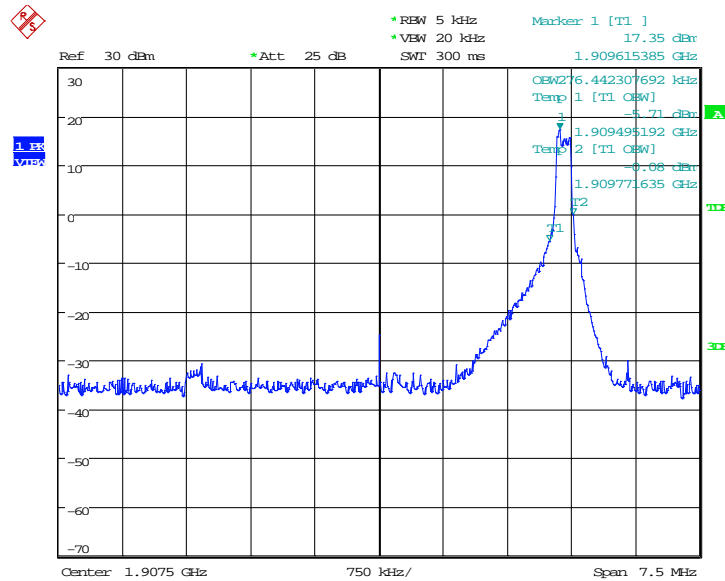
Date: 31.MAY.2019 17:17:55

LOW BAND EDGE BLOCK-1RB-low_offset



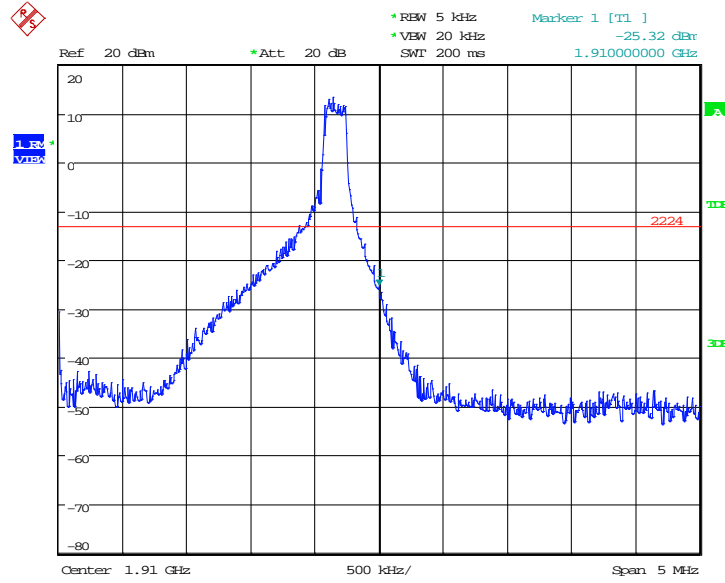
Date: 31.MAY.2019 17:18:39

OBW: 1RB-high_offset



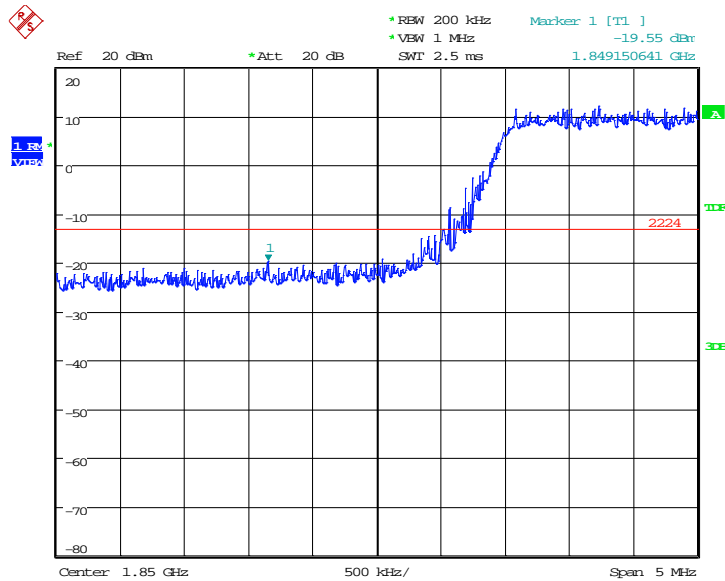
Date: 31.MAY.2019 17:03:47

HIGH BAND EDGE BLOCK-1RB-high_offset



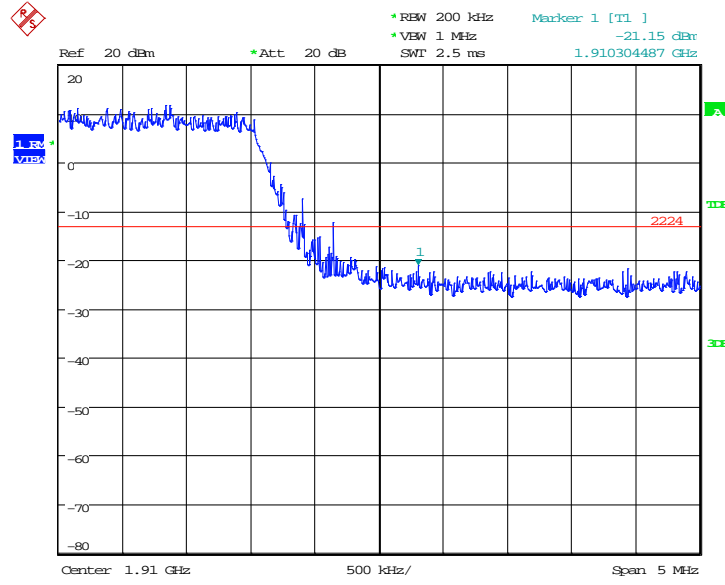
Date: 31.MAY.2019 17:04:31

LOW BAND EDGE BLOCK-20MHz-100%RB



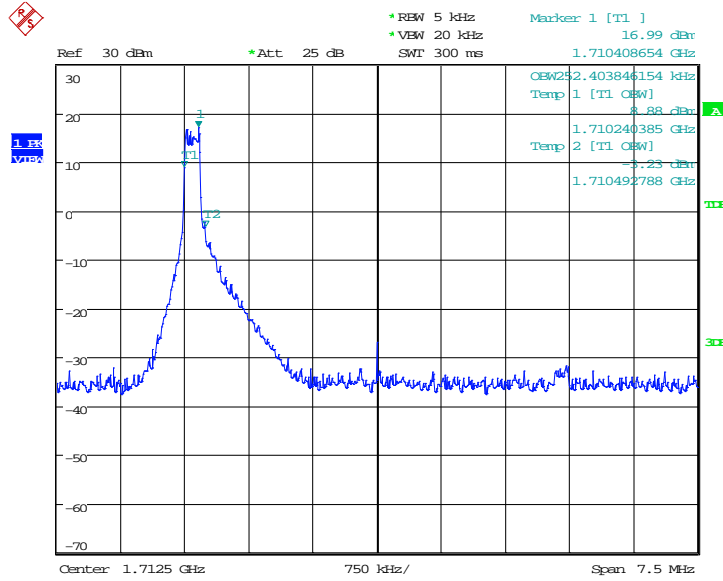
Date: 31.MAY.2019 16:51:32

HIGH BAND EDGE BLOCK-20MHz-100%RB



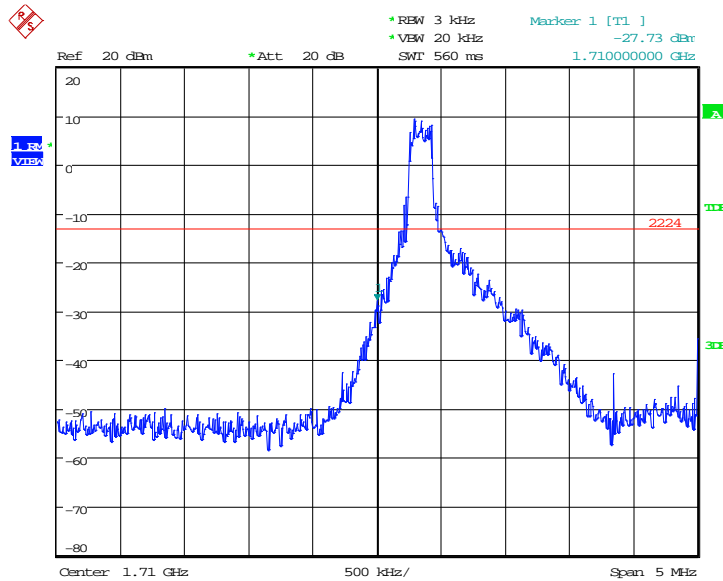
Date: 31.MAY.2019 16:52:19

LTE band 4
OBW: 1RB-low_offset



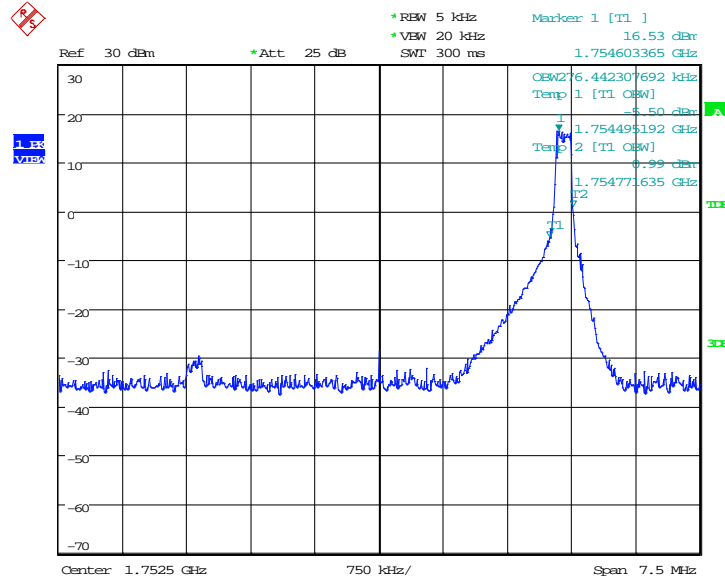
Date: 31.MAY.2019 17:19:37

LOW BAND EDGE BLOCK-1RB-low_offset



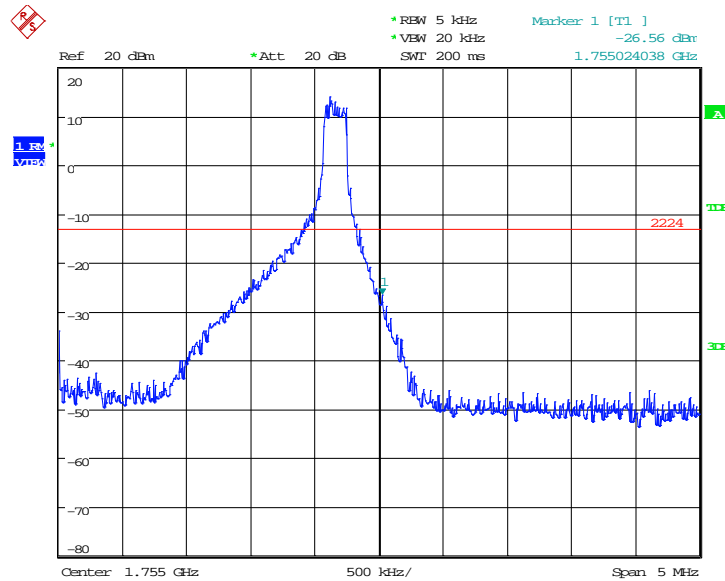
Date: 31.MAY.2019 17:20:21

OBW: 1RB-high_offset



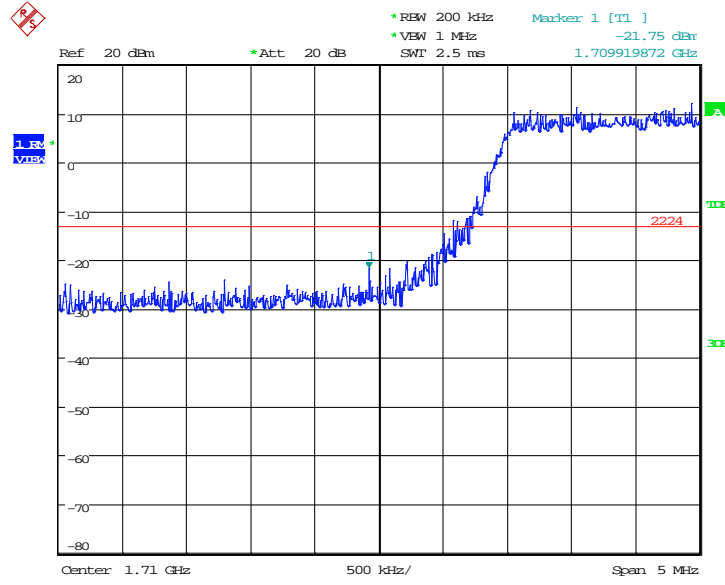
Date: 31.MAY.2019 17:05:29

HIGH BAND EDGE BLOCK-1RB-high_offset



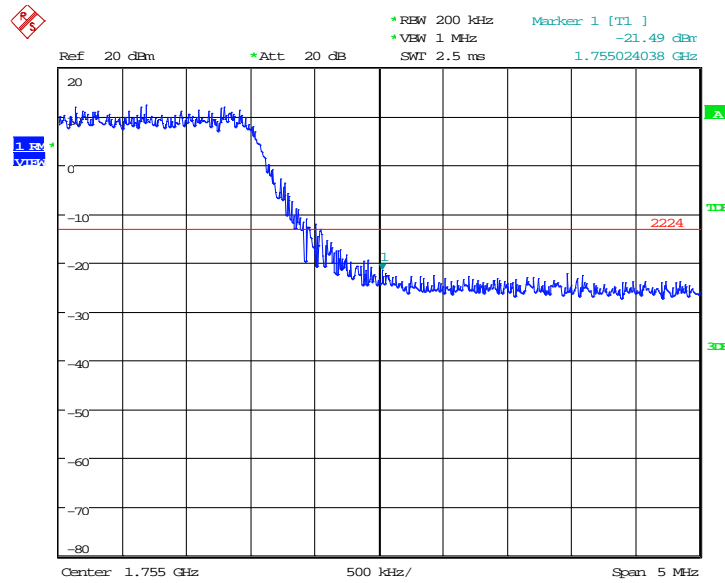
Date: 31.MAY.2019 17:06:13

LOW BAND EDGE BLOCK-20MHz-100%RB



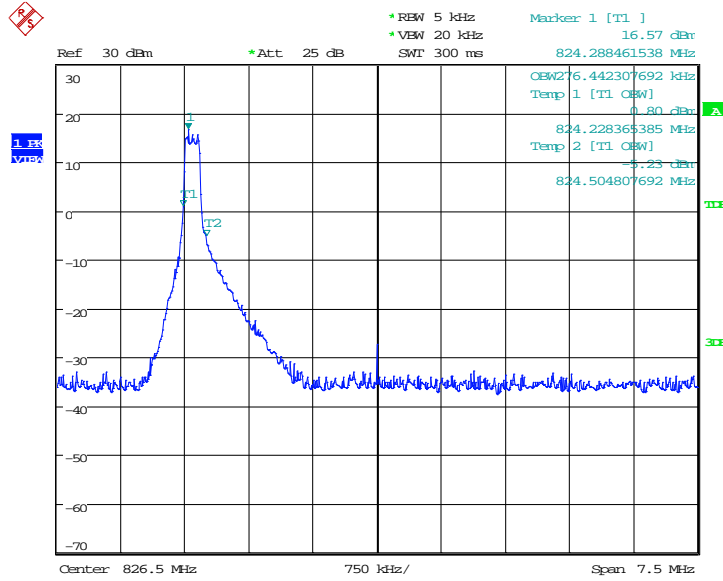
Date: 31.MAY.2019 16:53:11

HIGH BAND EDGE BLOCK-20MHz-100%RB



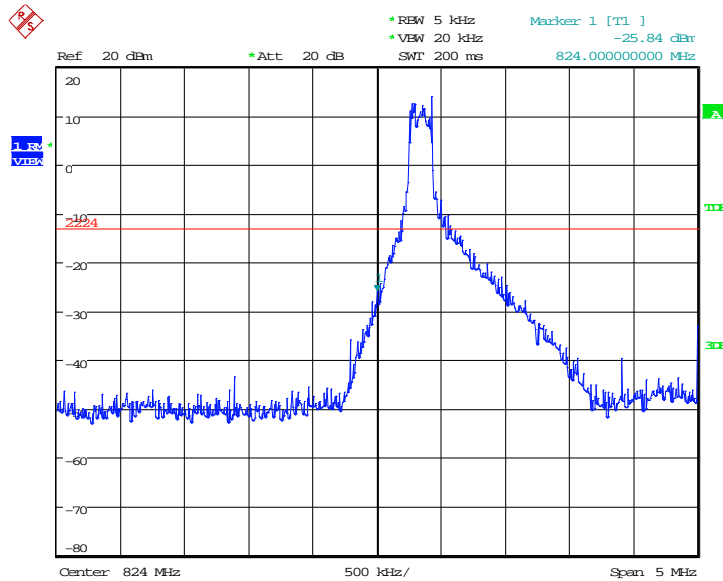
Date: 31.MAY.2019 16:53:57

LTE band 5
OBW: 1RB-low_offset



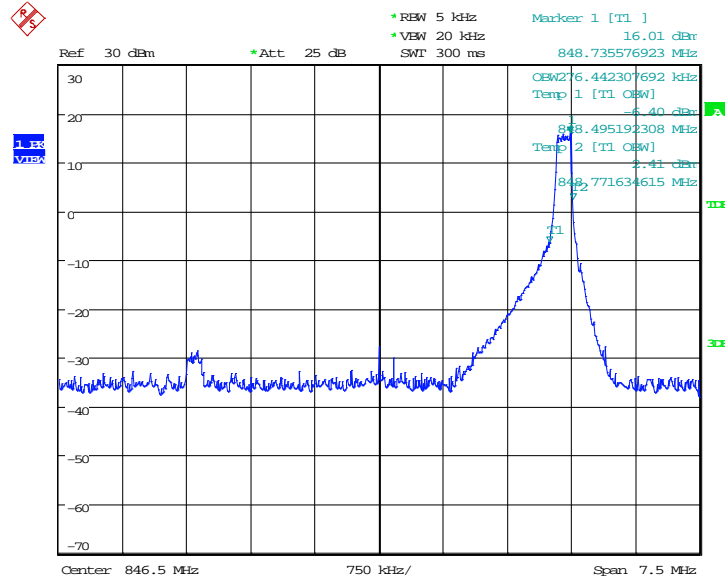
Date: 31.MAY.2019 17:16:15

LOW BAND EDGE BLOCK-1RB-low_offset



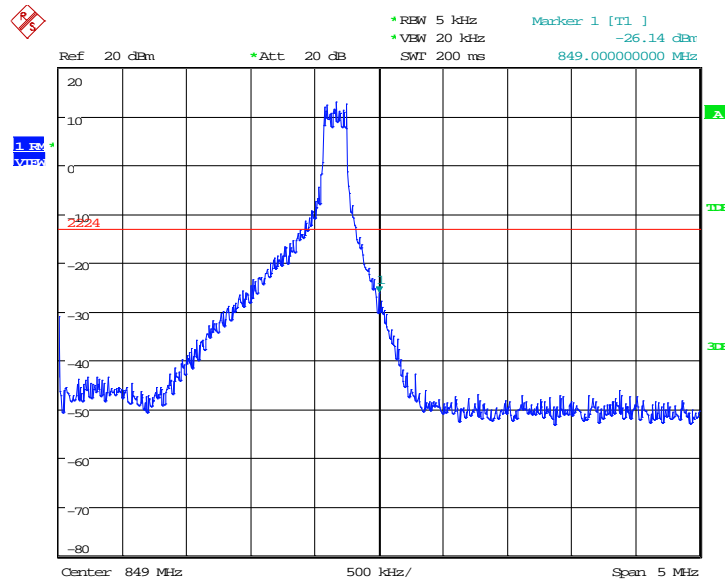
Date: 31.MAY.2019 17:16:59

OBW: 1RB-high_offset



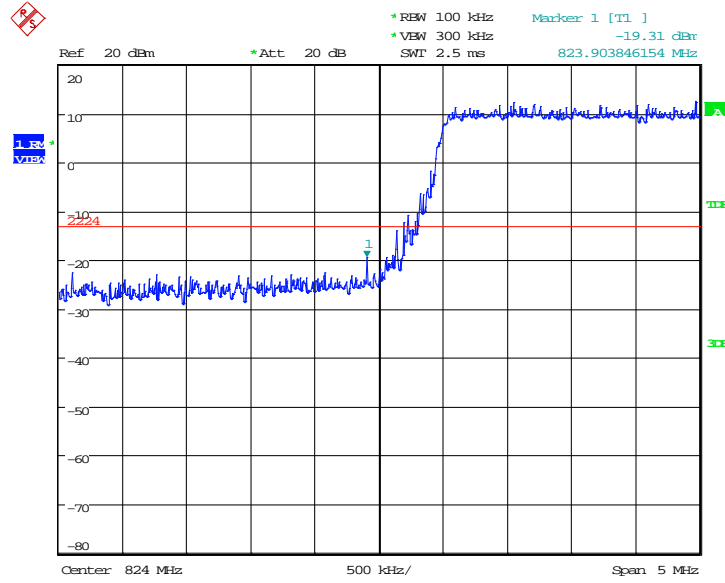
Date: 31.MAY.2019 17:02:07

HIGH BAND EDGE BLOCK-1RB-high_offset



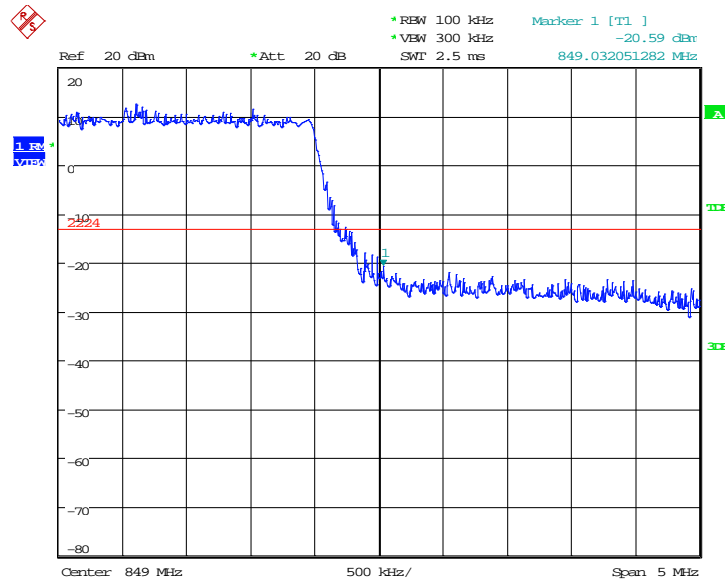
Date: 31.MAY.2019 17:02:51

LOW BAND EDGE BLOCK-10MHz-100%RB



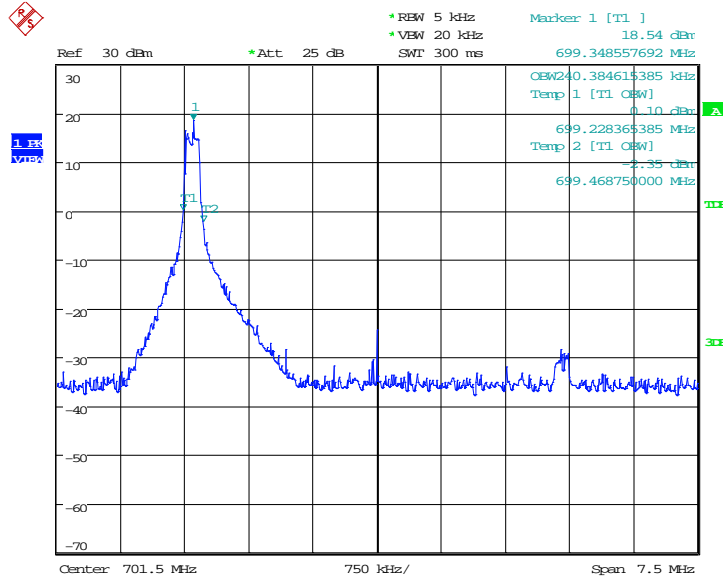
Date: 31.MAY.2019 16:47:43

HIGH BAND EDGE BLOCK-10MHz-100%RB



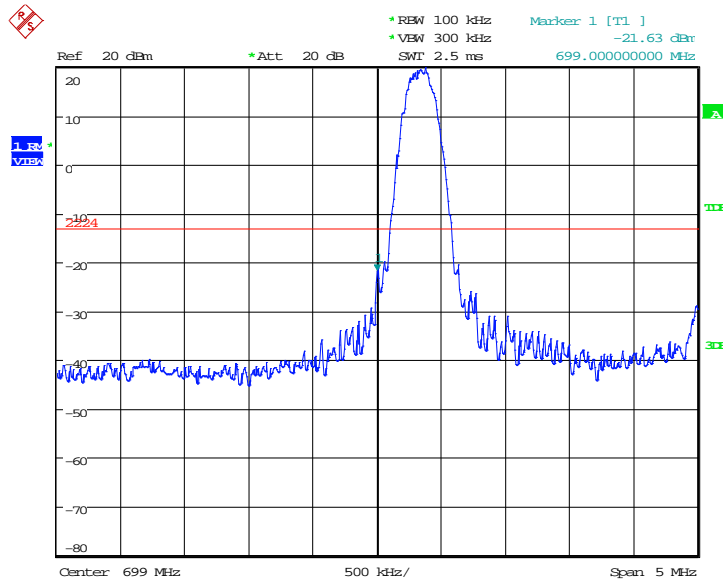
Date: 31.MAY.2019 16:48:29

LTE band 12
OBW: 1RB-low_offset



Date: 31.MAY.2019 17:21:19

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 31.MAY.2019 17:22:03