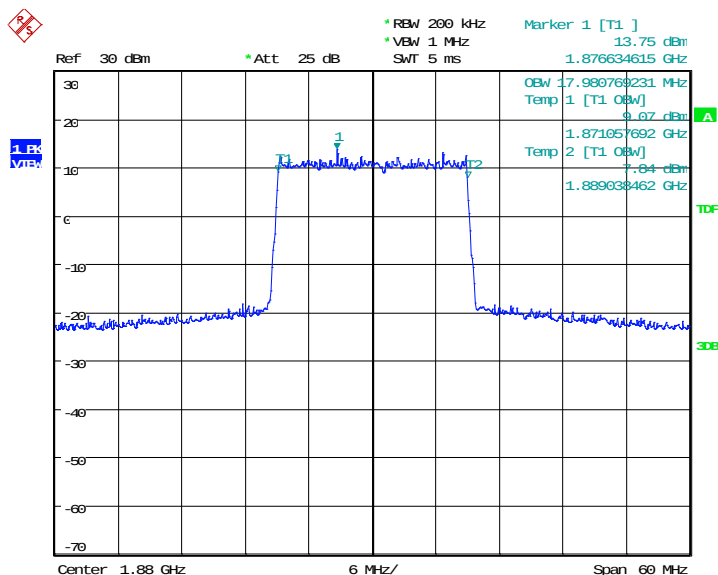


LTE band 2, 20MHz (99% BW)

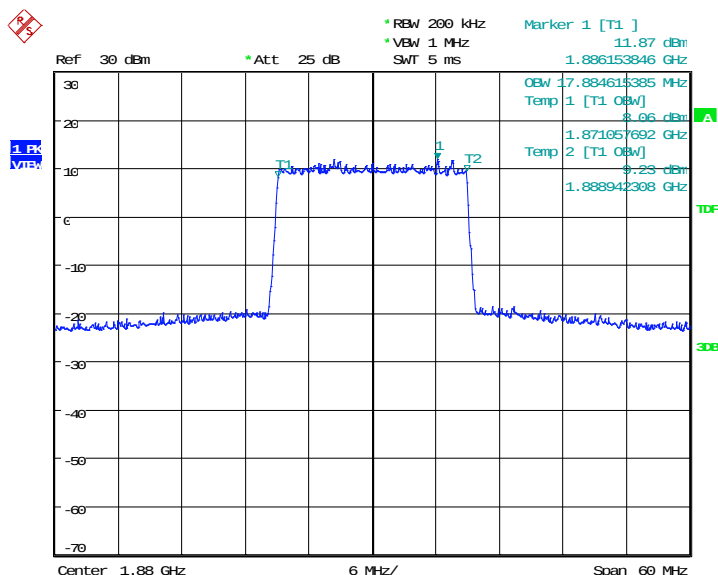
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	17980.77	17884.62

LTE band 2, 20MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:08:29

LTE band 2, 20MHz Bandwidth, 16QAM (99% BW)

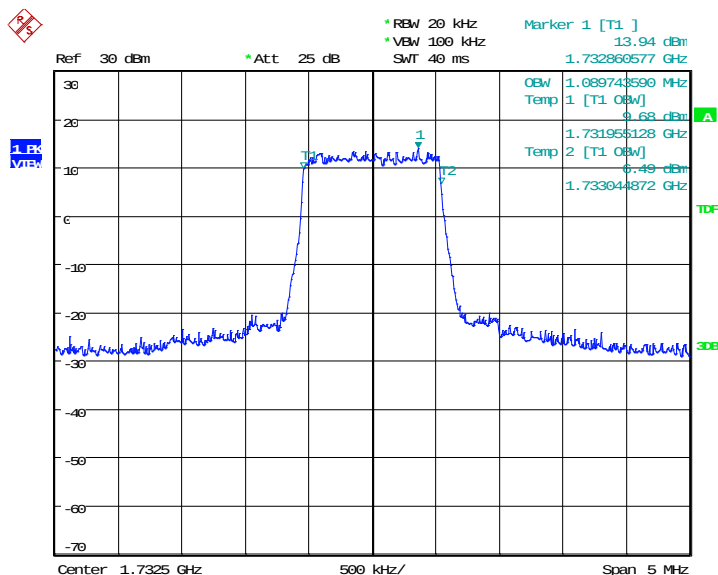


Date: 16.NOV.2020 17:08:42

LTE band 4, 1.4MHz (99% BW)

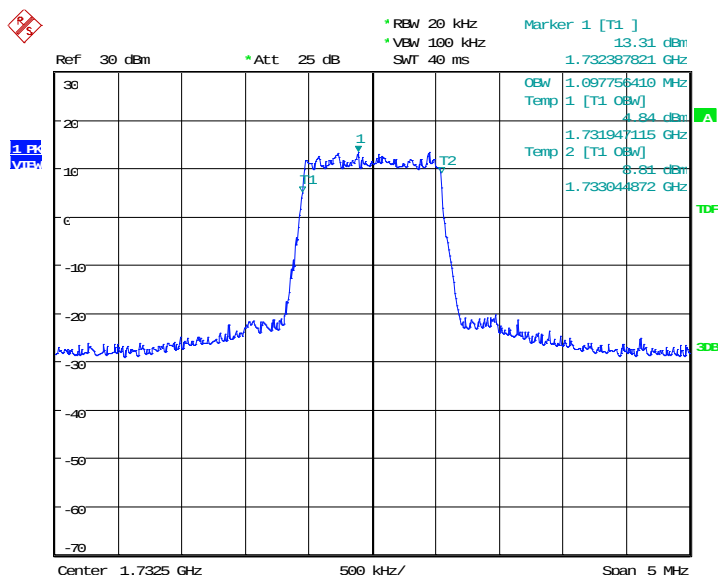
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	1089.74	1097.76

LTE band 4, 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:10:51

LTE band 4, 1.4MHz Bandwidth, 16QAM (99% BW)

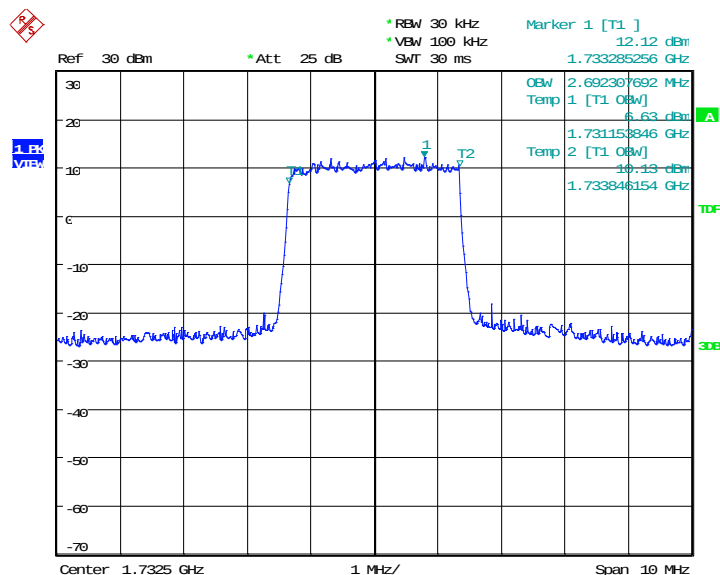


Date: 16.NOV.2020 17:11:04

LTE band 4, 3MHz (99% BW)

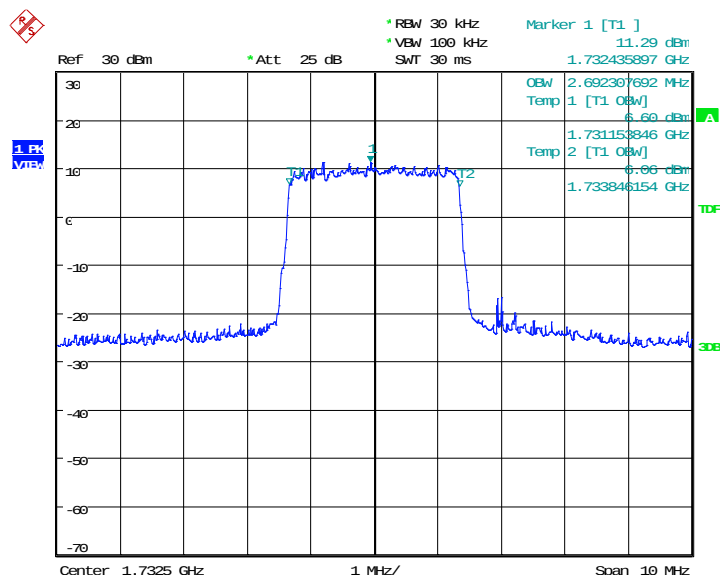
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	2692.31	2692.31

LTE band 4, 3MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:13:08

LTE band 4, 3MHz Bandwidth, 16QAM (99% BW)

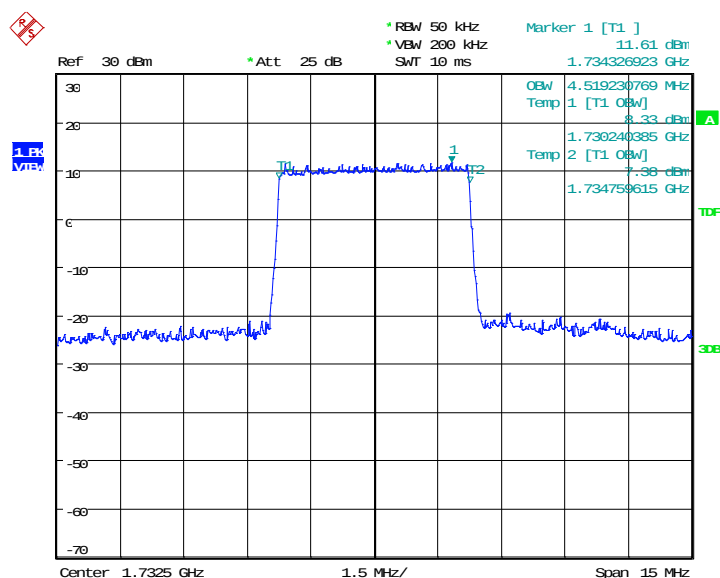


Date: 16.NOV.2020 17:13:22

LTE band 4, 5MHz (99% BW)

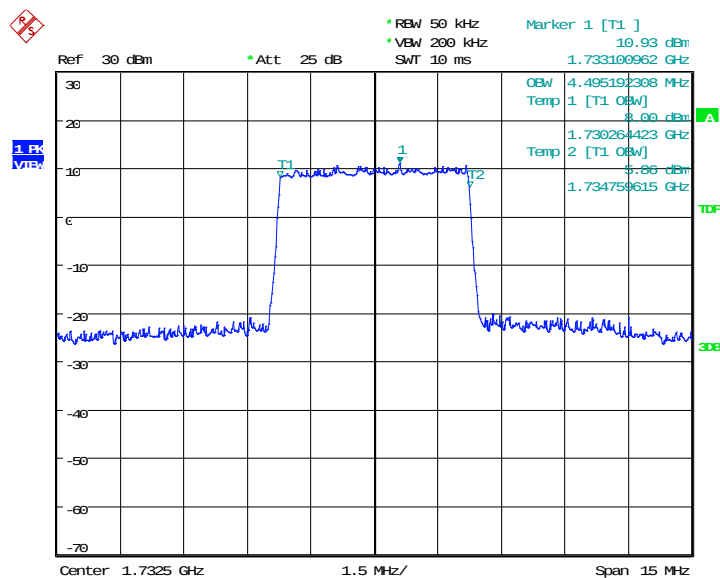
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	4519.23	4495.19

LTE band 4, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:15:26

LTE band 4, 5MHz Bandwidth,16QAM (99% BW)

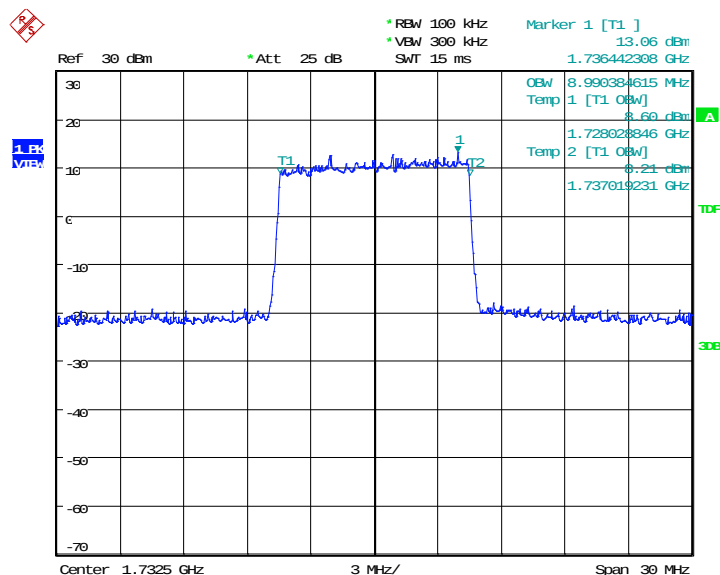


Date: 16.NOV.2020 17:15:40

LTE band 4, 10MHz (99% BW)

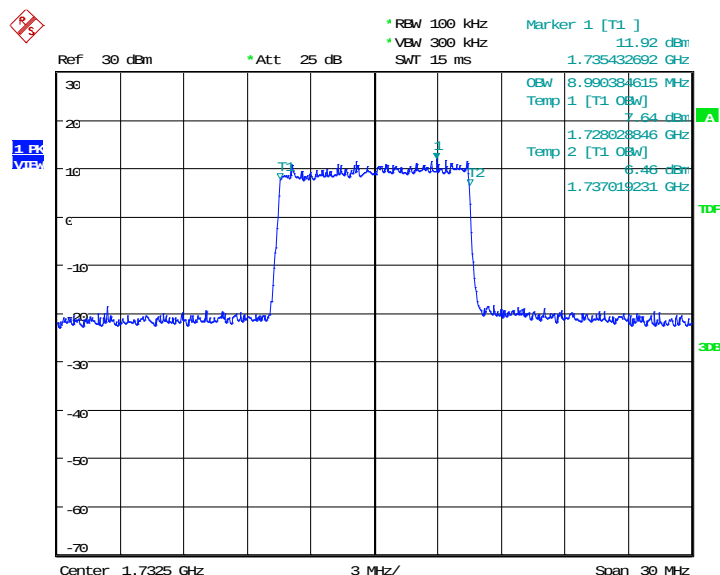
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	8990.38	8990.38

LTE band 4, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:17:44

LTE band 4, 10MHz Bandwidth, 16QAM (99% BW)

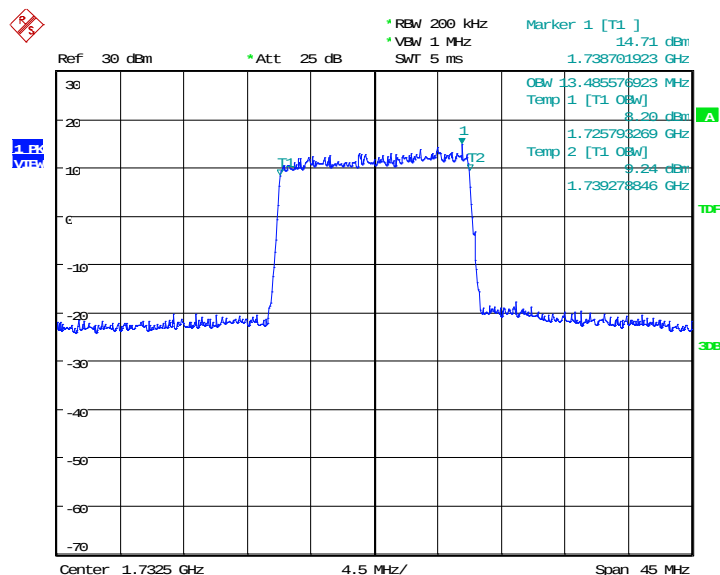


Date: 16.NOV.2020 17:17:58

LTE band 4, 15MHz (99% BW)

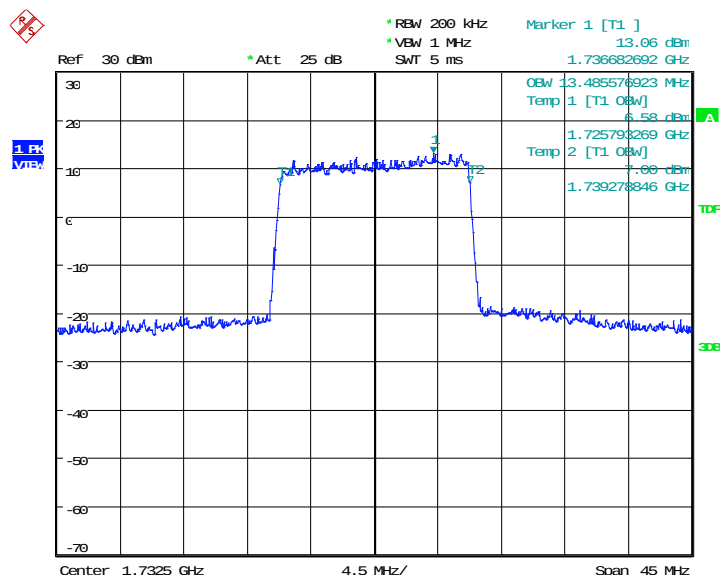
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	13485.58	13485.58

LTE band 4, 15MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:20:02

LTE band 4, 15MHz Bandwidth, 16QAM (99% BW)

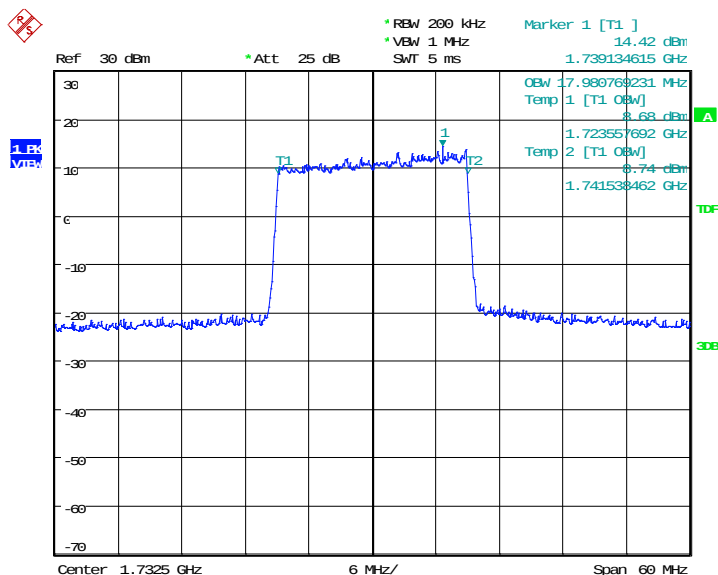


Date: 16.NOV.2020 17:20:16

LTE band 4, 20MHz (99% BW)

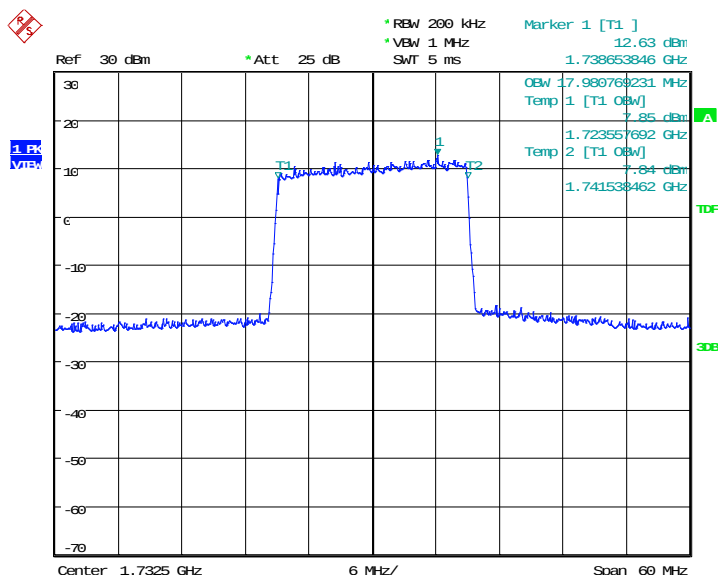
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1732.5	QPSK	16QAM
	17980.77	17980.77

LTE band 4, 20MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:22:21

LTE band 4, 20MHz Bandwidth, 16QAM (99% BW)

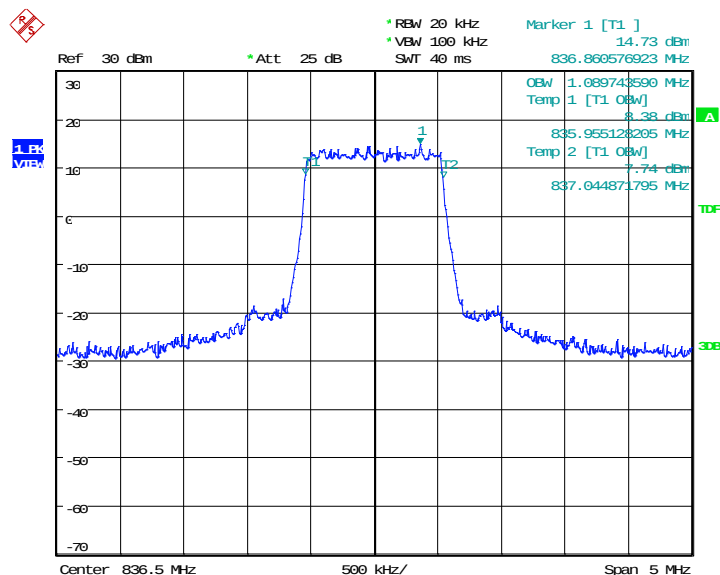


Date: 16.NOV.2020 17:22:34

LTE band 5, 1.4MHz (99% BW)

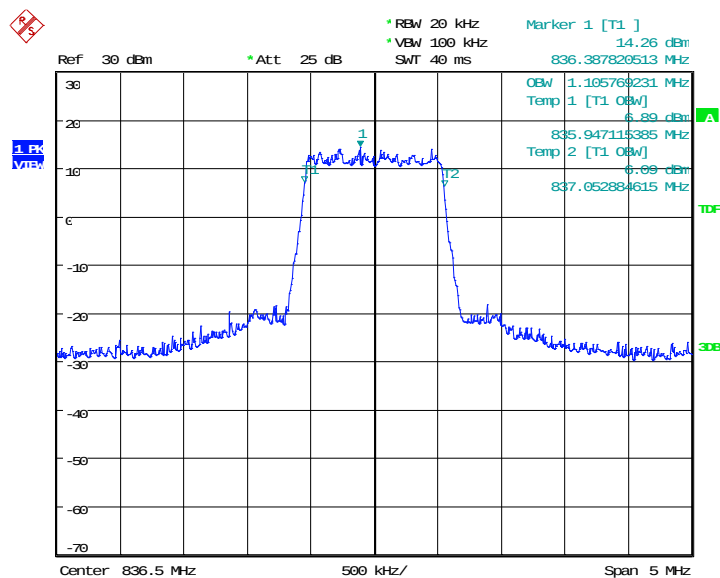
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	1089.74	1105.77

LTE band 5, 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:47:43

LTE band 5, 1.4MHz Bandwidth, 16QAM (99% BW)

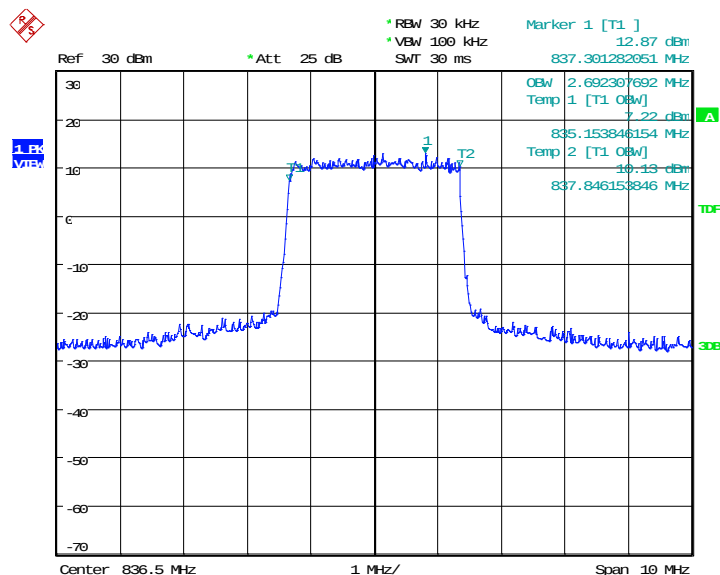


Date: 16.NOV.2020 16:47:57

LTE band 5, 3MHz (99% BW)

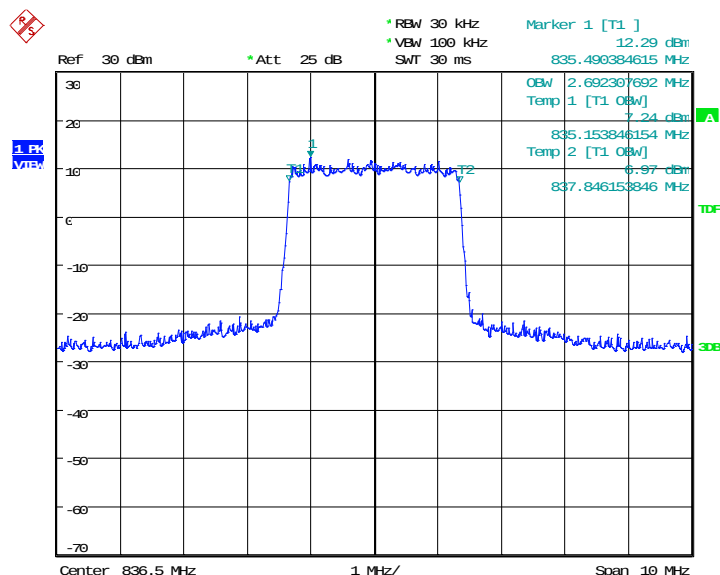
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	2692.31	2692.31

LTE band 5, 3MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:50:01

LTE band 5, 3MHz Bandwidth, 16QAM (99% BW)

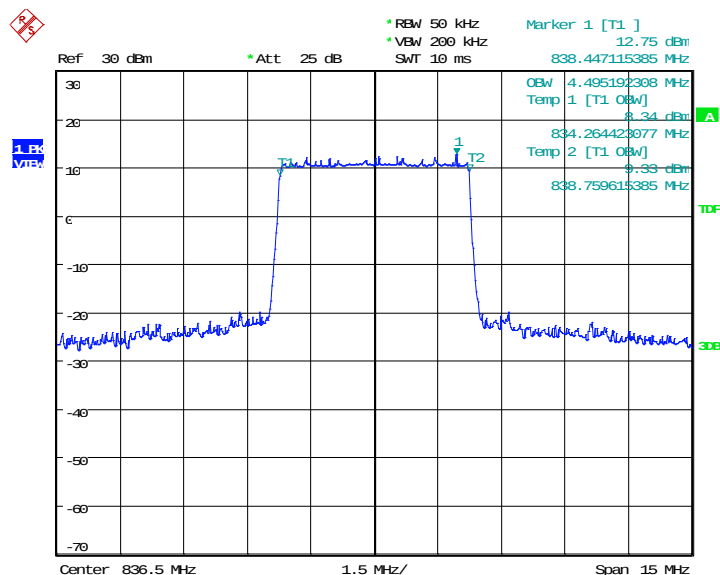


Date: 16.NOV.2020 16:50:15

LTE band 5, 5MHz (99% BW)

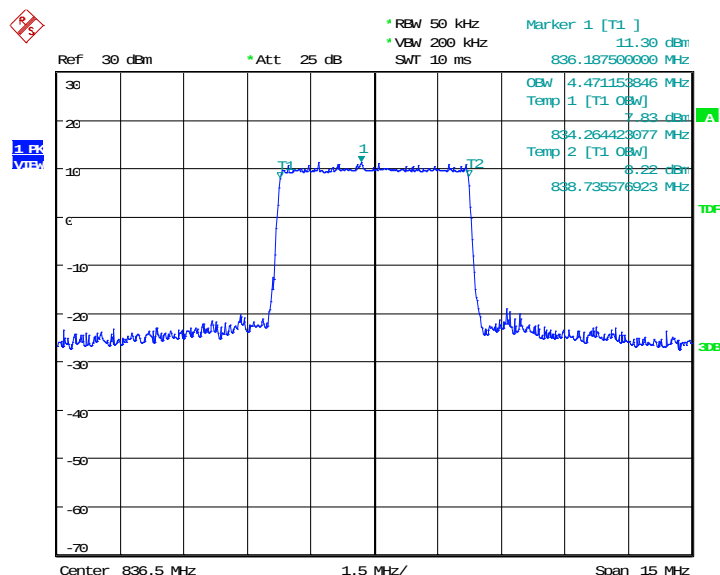
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	4495.19	4471.15

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



Date: 16.NOV.2020 16:52:19

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

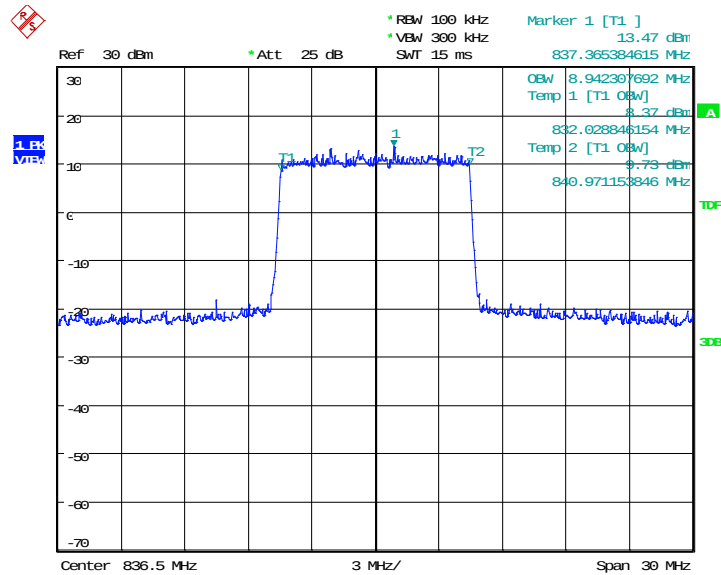


Date: 16.NOV.2020 16:52:32

LTE band 5, 10MHz (99% BW)

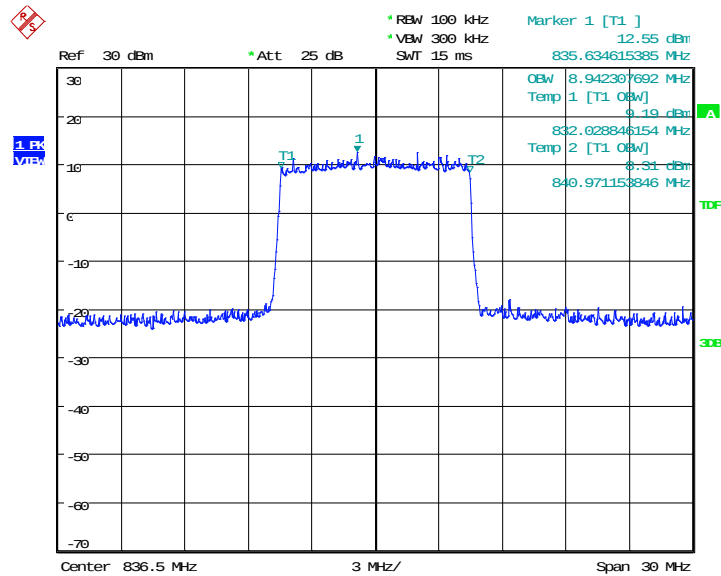
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

LTE band 5, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:54:36

LTE band 5, 10MHz Bandwidth, 16QAM (99% BW)

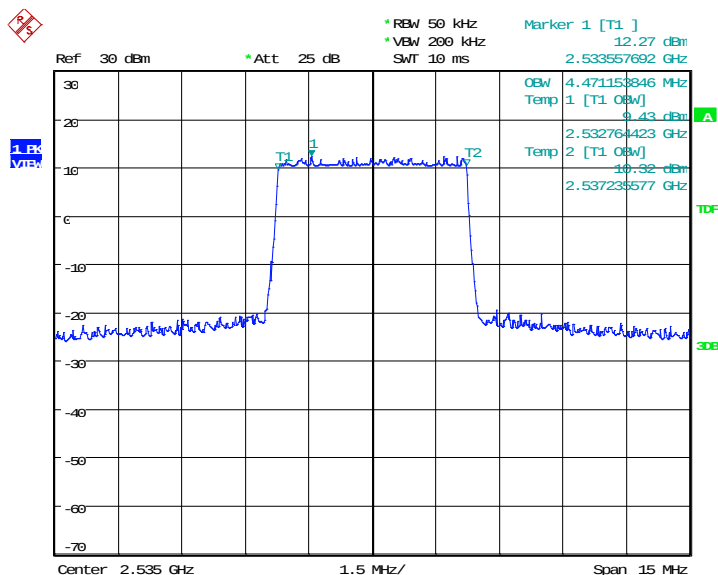


Date: 16.NOV.2020 16:54:50

LTE band 7, 5MHz (99% BW)

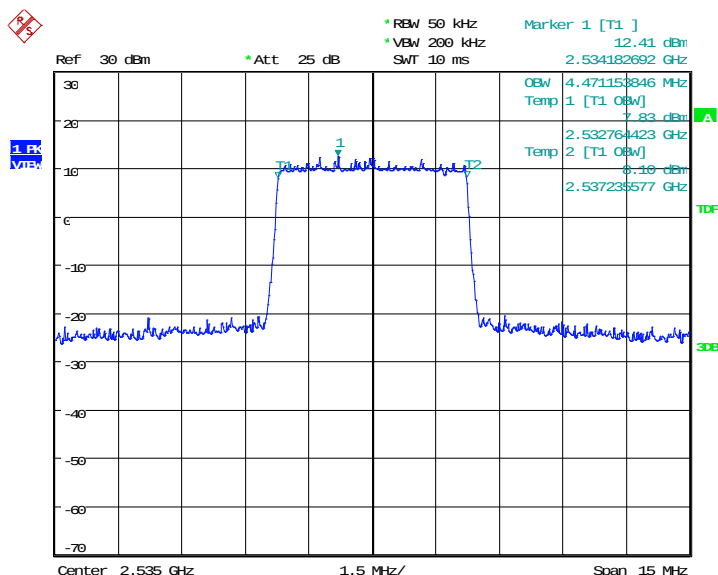
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	4471.15	4471.15

LTE band 7, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:29:09

LTE band 7, 5MHz Bandwidth,16QAM (99% BW)

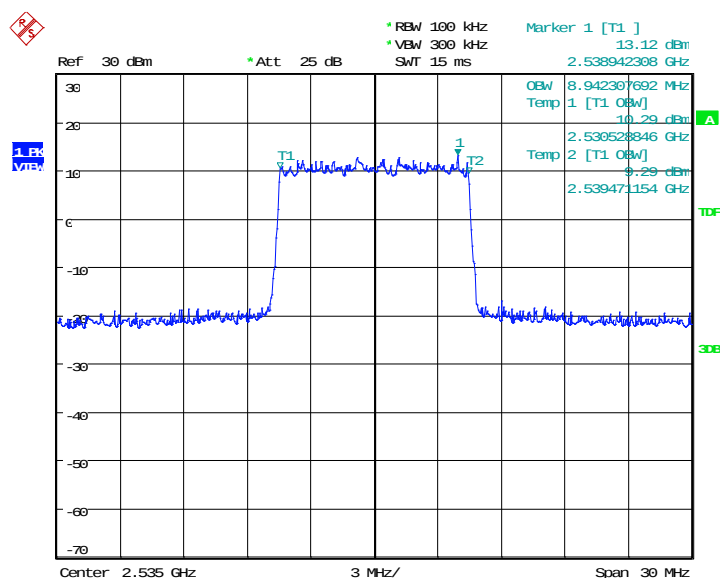


Date: 16.NOV.2020 16:29:23

LTE band 7, 10MHz (99% BW)

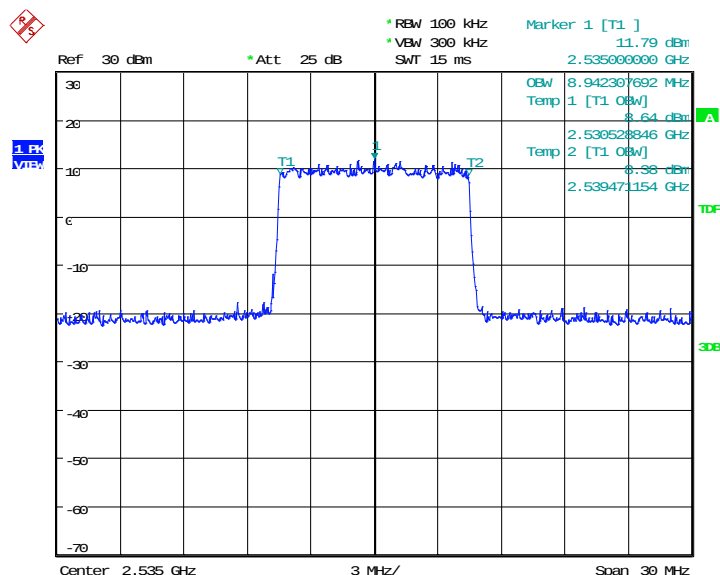
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	8942.31	8942.31

LTE band 7, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:31:27

LTE band 7, 10MHz Bandwidth, 16QAM (99% BW)

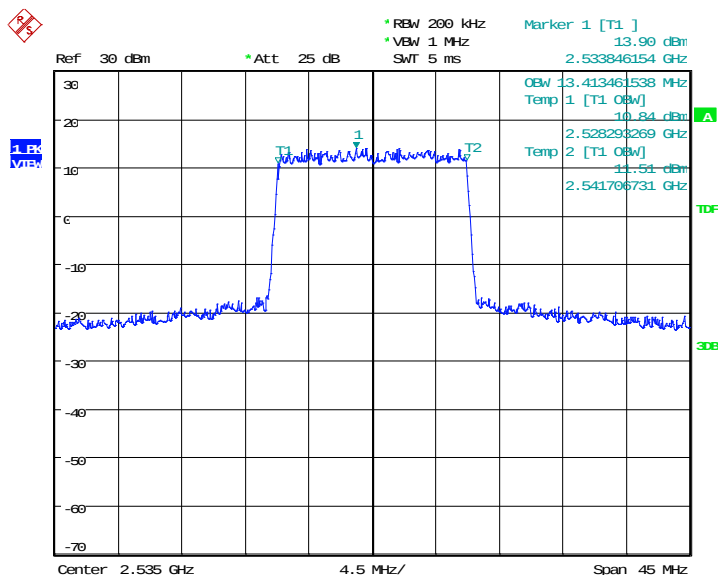


Date: 16.NOV.2020 16:31:41

LTE band 7, 15MHz (99% BW)

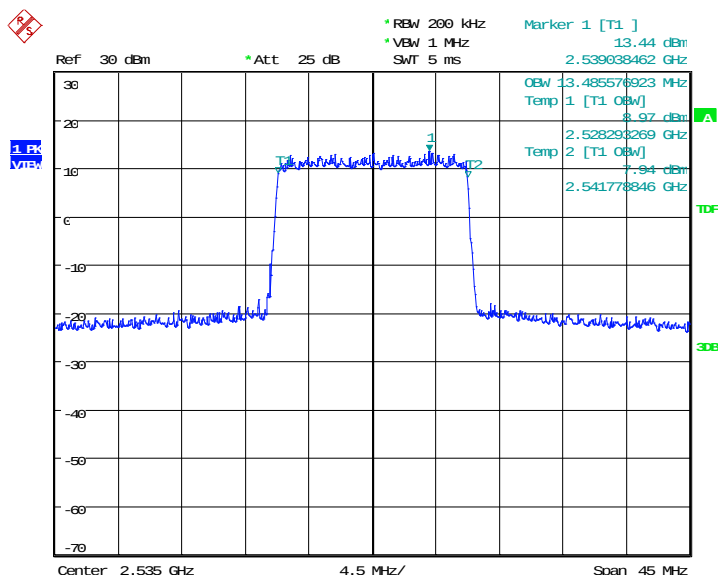
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	13413.46	13485.58

LTE band 7, 15MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:33:45

LTE band 7, 15MHz Bandwidth, 16QAM (99% BW)

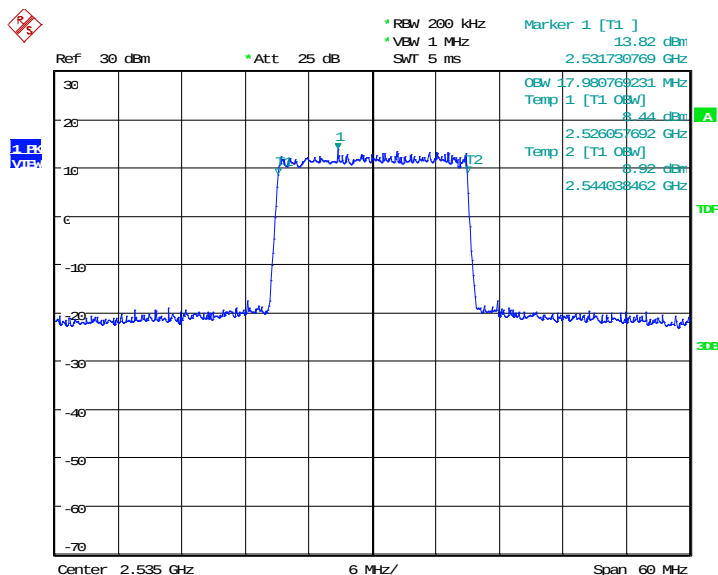


Date: 16.NOV.2020 16:33:59

LTE band 7, 20MHz (99% BW)

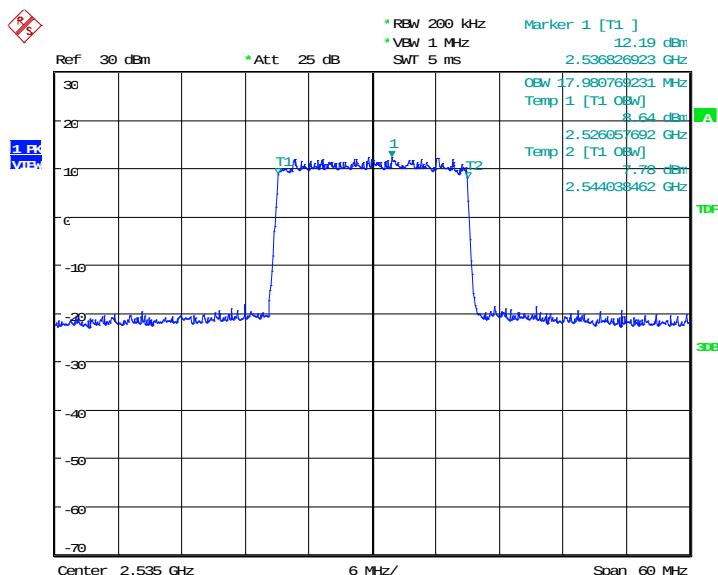
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	17980.77	17980.77

LTE band 7, 20MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:36:04

LTE band 7, 20MHz Bandwidth, 16QAM (99% BW)



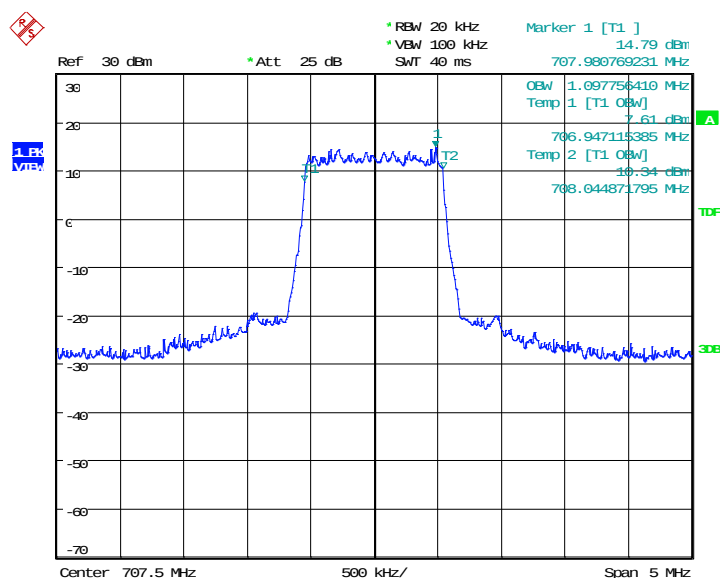
Date: 16.NOV.2020 16:36:17

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

LTE band 12, 1.4MHz (99% BW)

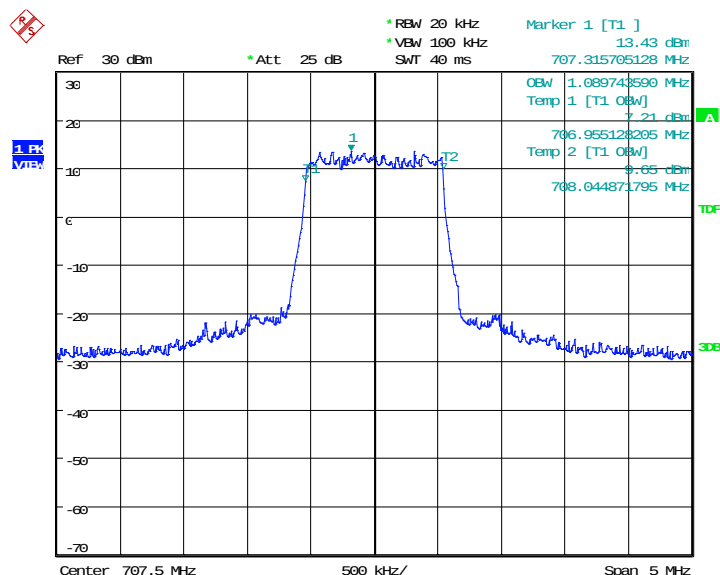
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
707.5	QPSK	16QAM
	1097.76	1089.74

LTE band 12, 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:24:41

LTE band 12, 1.4MHz Bandwidth, 16QAM (99% BW)

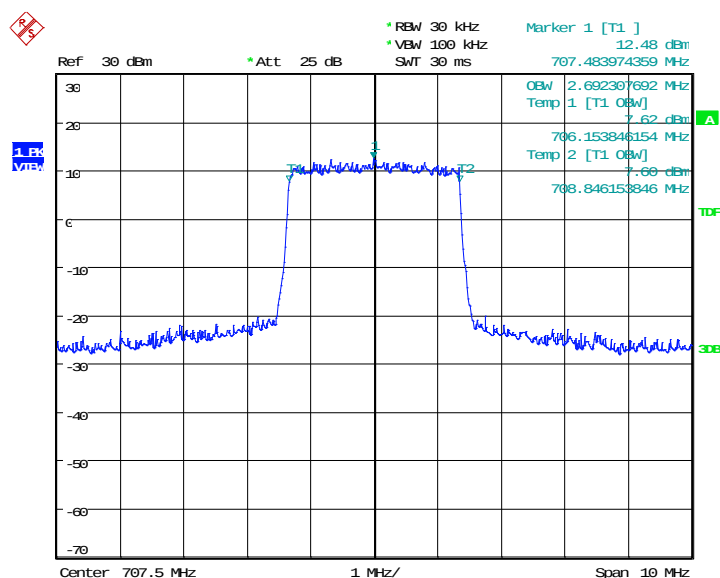


Date: 16.NOV.2020 17:24:54

LTE band 12, 3MHz (99% BW)

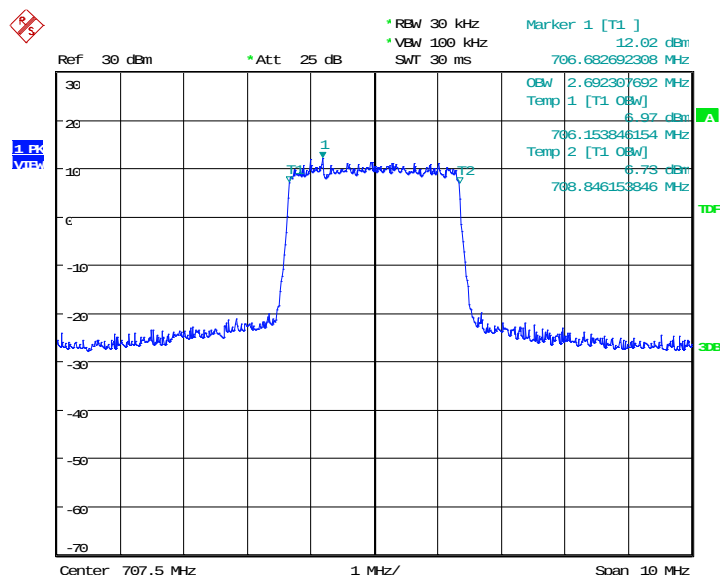
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
707.5	QPSK	16QAM
	2692.31	2692.31

LTE band 12, 3MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:26:58

LTE band 12, 3MHz Bandwidth, 16QAM (99% BW)

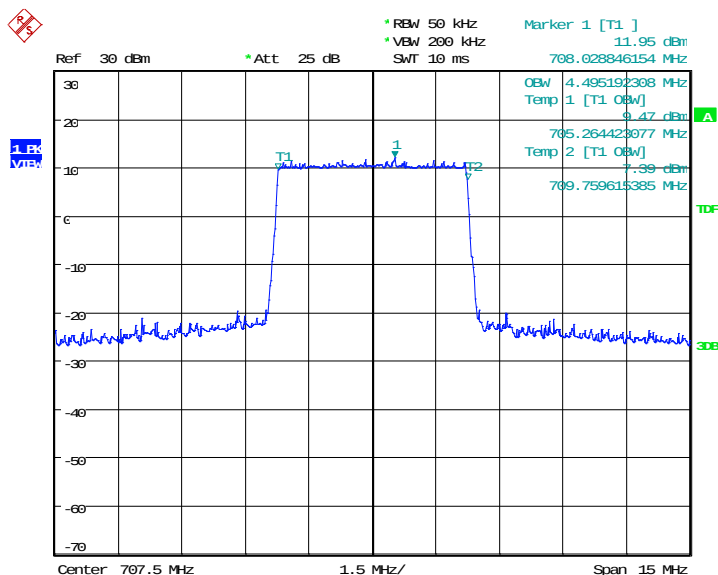


Date: 16.NOV.2020 17:27:12

LTE band 12, 5MHz (99% BW)

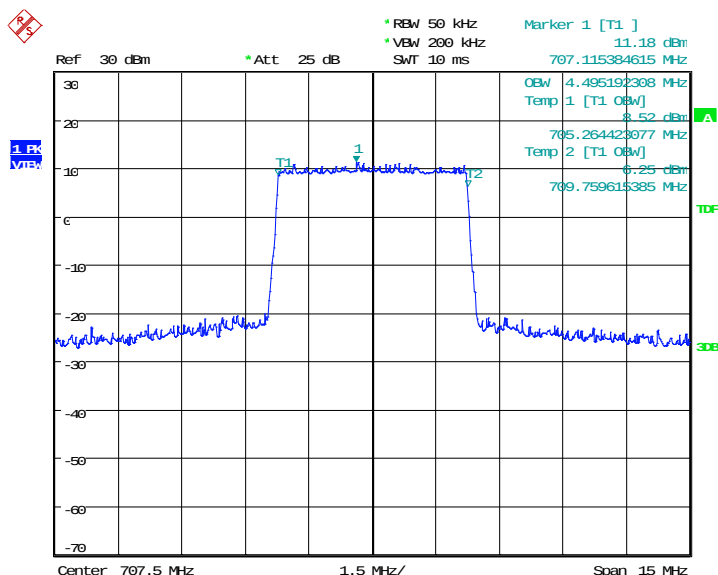
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
707.5	QPSK	16QAM
	4495.19	4495.19

LTE band 12, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:29:16

LTE band 12, 5MHz Bandwidth,16QAM (99% BW)

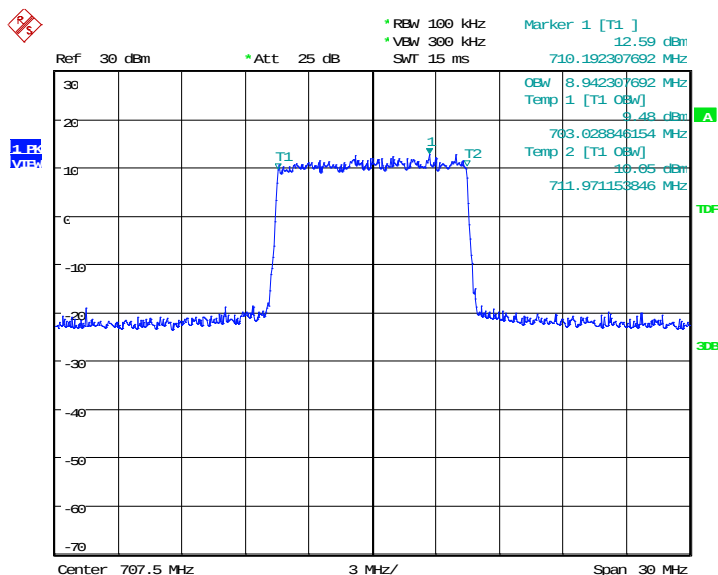


Date: 16.NOV.2020 17:29:30

LTE band 12, 10MHz (99% BW)

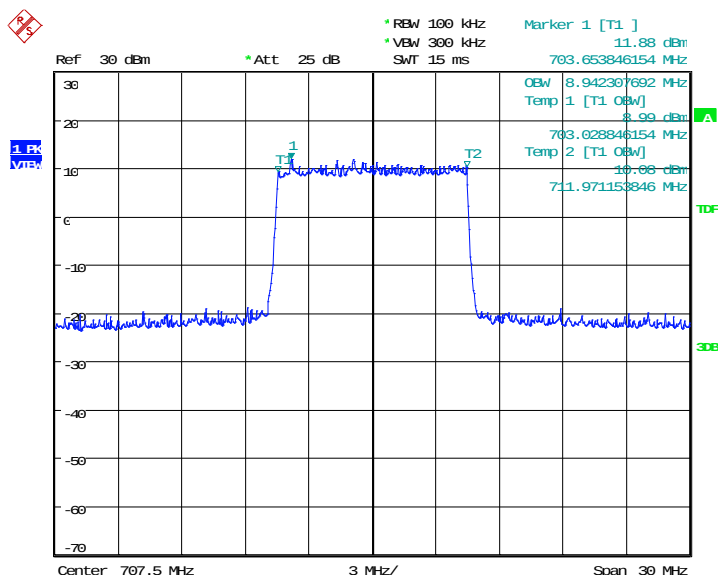
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
707.5	QPSK	16QAM
	8942.31	8942.31

LTE band 12, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:31:34

LTE band 12, 10MHz Bandwidth, 16QAM (99% BW)

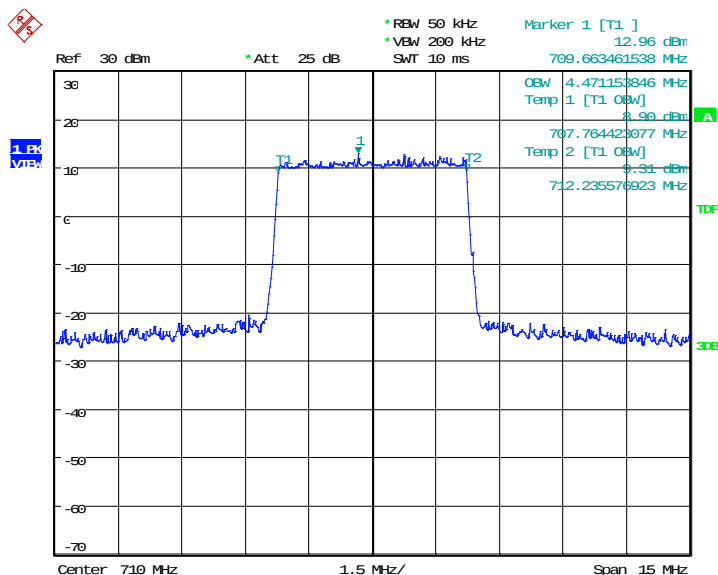


Date: 16.NOV.2020 17:31:48

LTE band 17, 5MHz (99% BW)

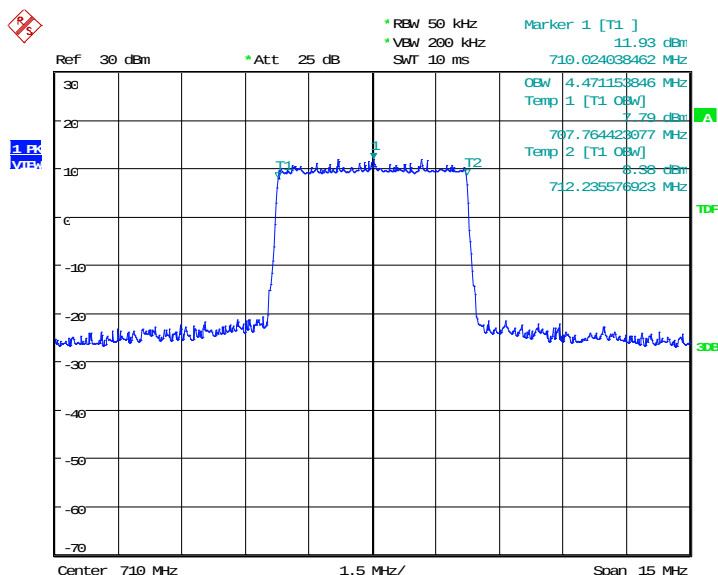
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
710.0	QPSK	16QAM
	4471.15	4471.15

LTE band 17, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:33:54

LTE band 17, 5MHz Bandwidth,16QAM (99% BW)

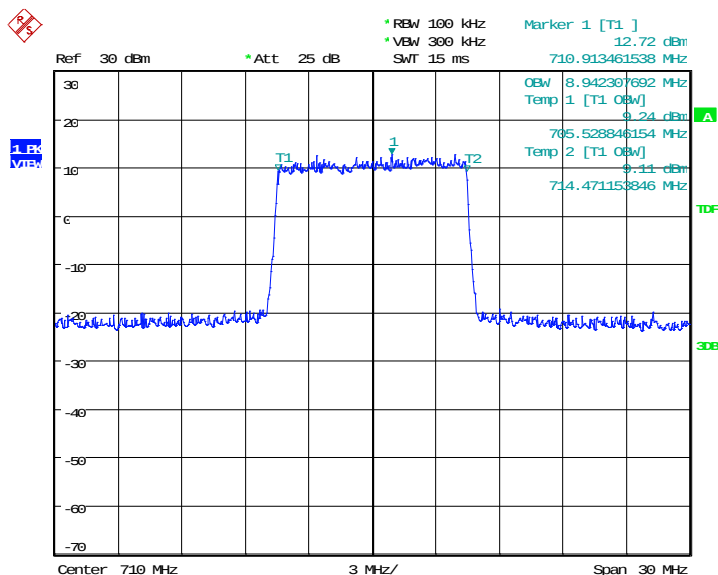


Date: 16.NOV.2020 17:34:07

LTE band 17, 10MHz (99% BW)

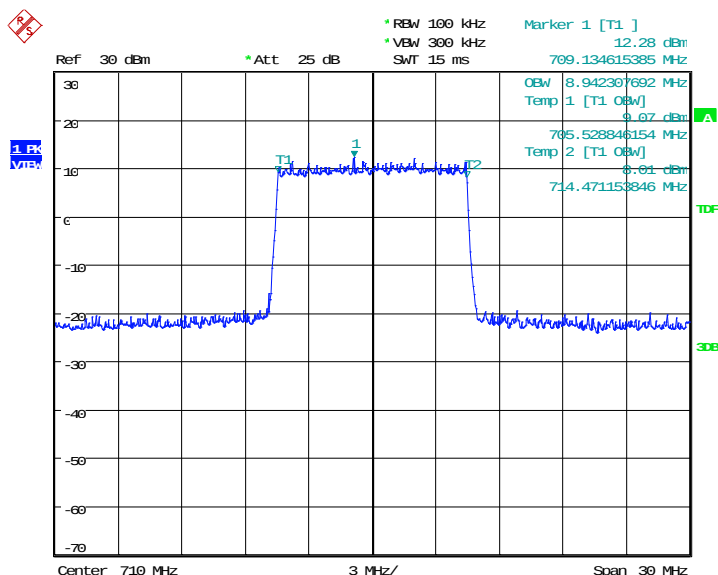
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
710.0	QPSK	16QAM
	8942.31	8942.31

LTE band 17, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:36:12

LTE band 17, 10MHz Bandwidth, 16QAM (99% BW)

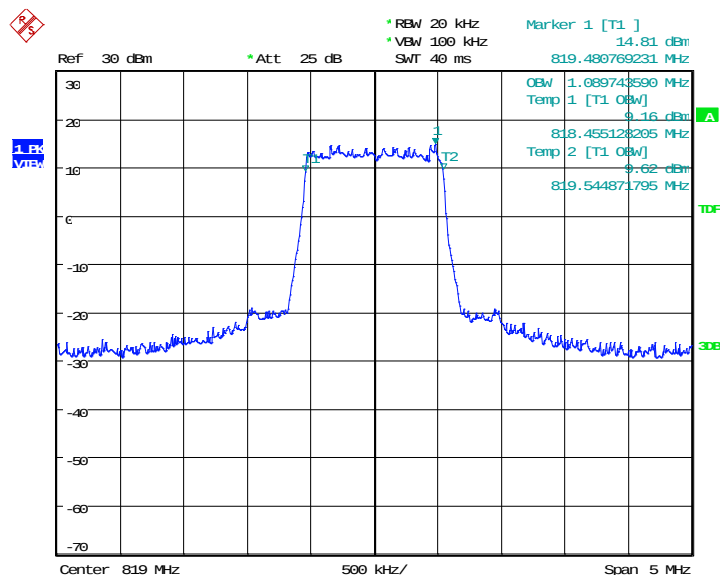


Date: 16.NOV.2020 17:36:25

LTE band 26(814MHz-824MHz), 1.4MHz (99% BW)

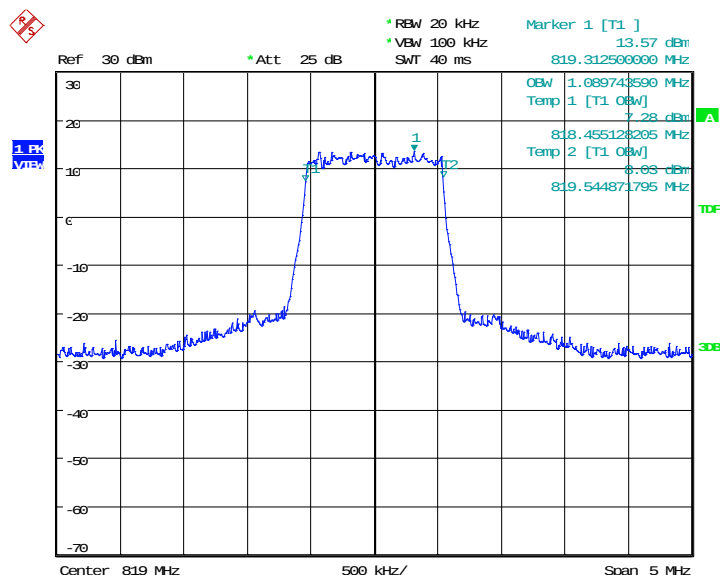
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
819.0	QPSK	16QAM
	1089.74	1089.74

LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 18:06:14

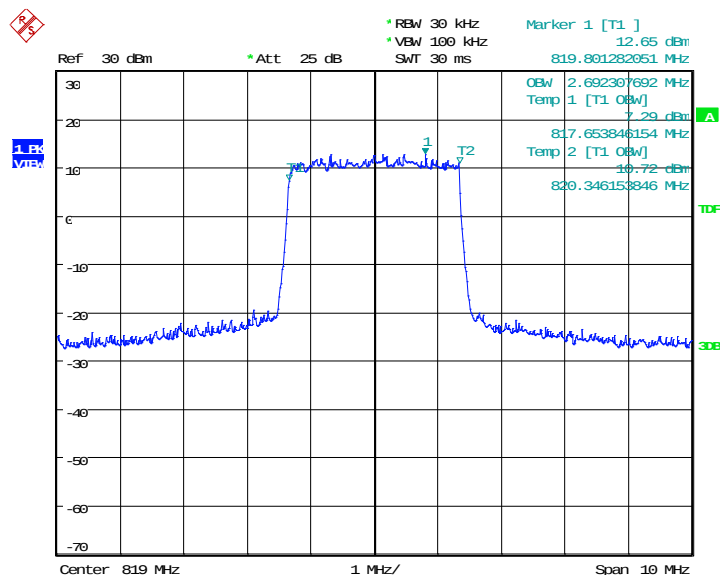
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (99% BW)



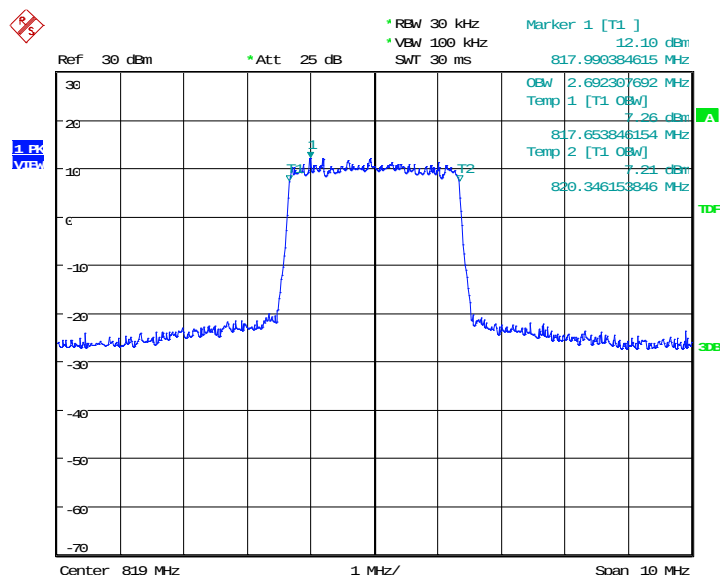
Date: 16.NOV.2020 18:06:27

LTE band 26(814MHz-824MHz), 3MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
819.0	QPSK	16QAM
	2692.31	2692.31

LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (99% BW)


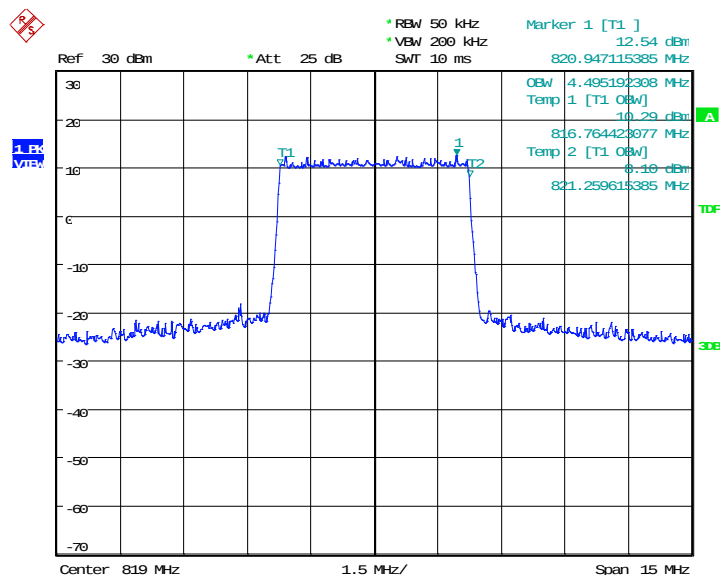
Date: 16.NOV.2020 18:08:32

LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (99% BW)


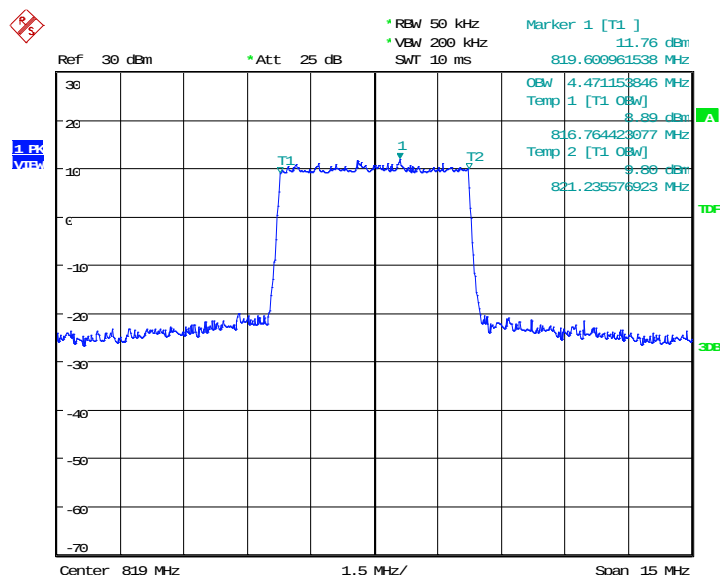
Date: 16.NOV.2020 18:08:45

LTE band 26(814MHz-824MHz), 5MHz (99% BW)

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

LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 16.NOV.2020 18:10:49

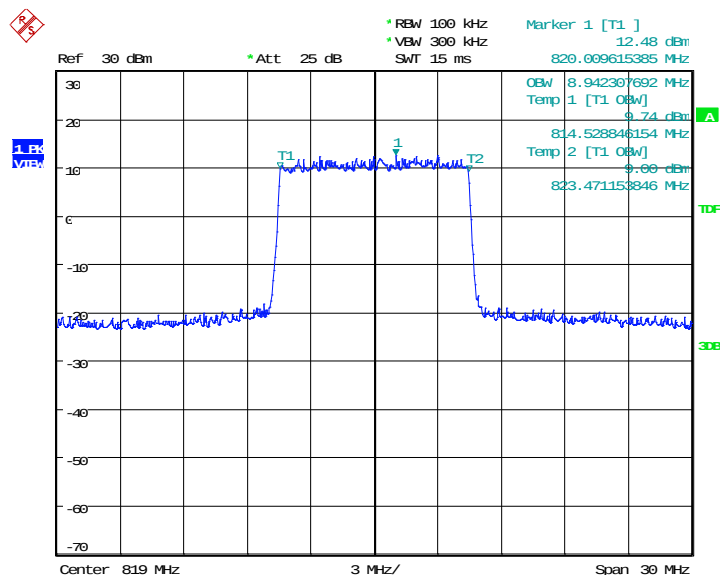
LTE band 26(814MHz-824MHz), 5MHz Bandwidth, 16QAM (99% BW)


Date: 16.NOV.2020 18:11:03

LTE band 26(814MHz-824MHz), 10MHz (99% BW)

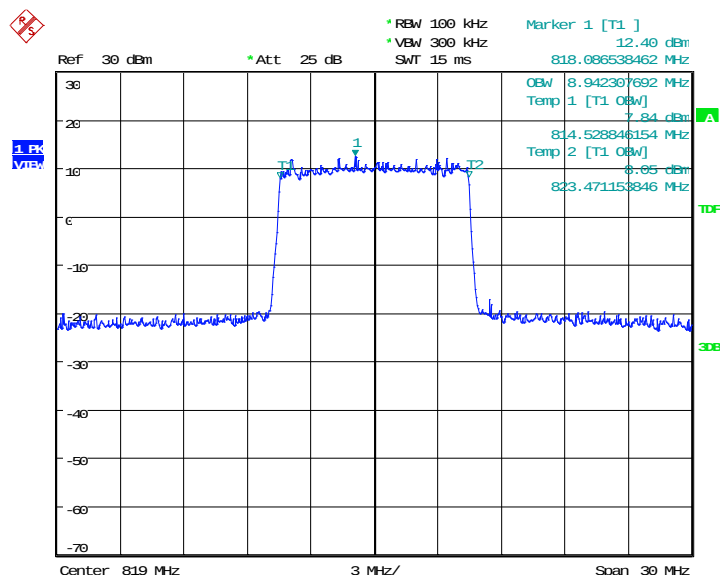
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
819.0	QPSK	16QAM
	8942.31	8942.31

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 18:13:07

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (99% BW)

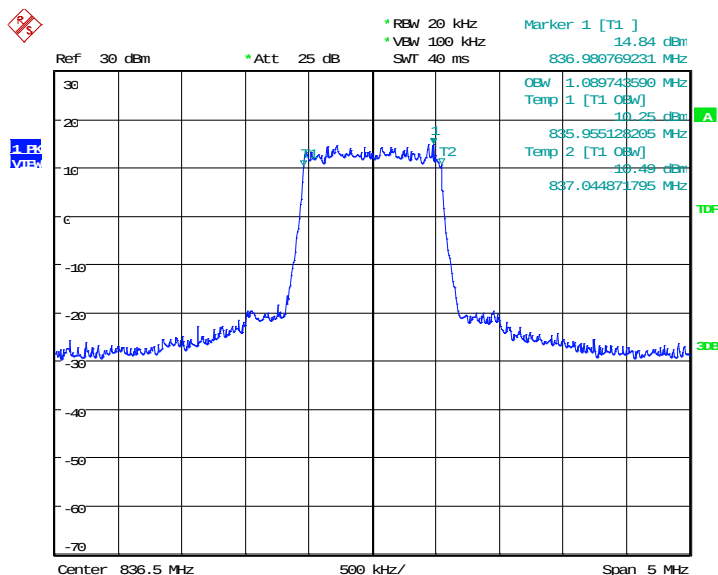


Date: 16.NOV.2020 18:13:21

LTE band 26(824MHz-849MHz), 1.4MHz (99% BW)

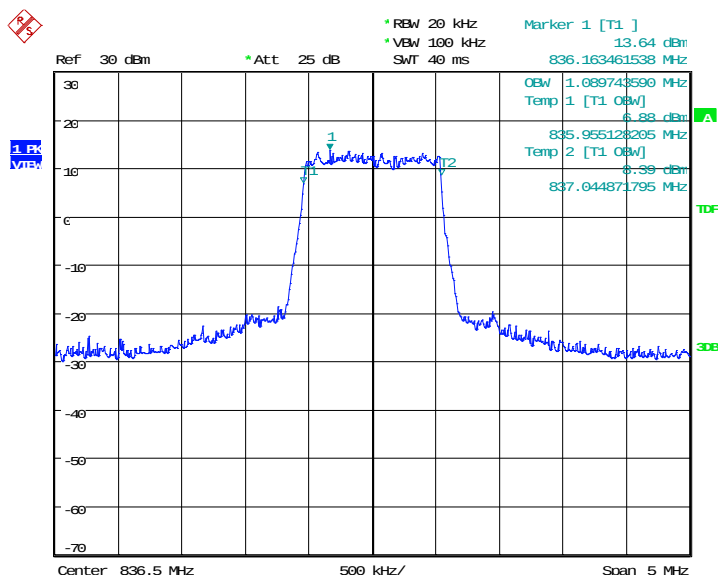
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	1089.74	1089.74

LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:54:43

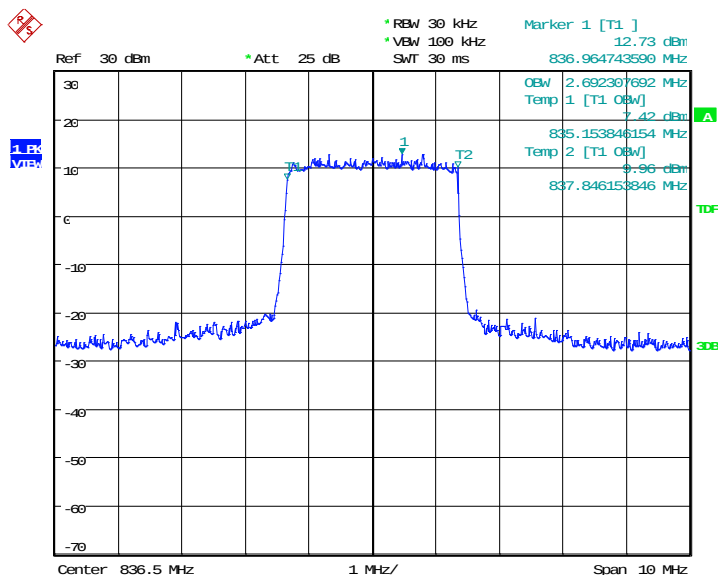
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (99% BW)



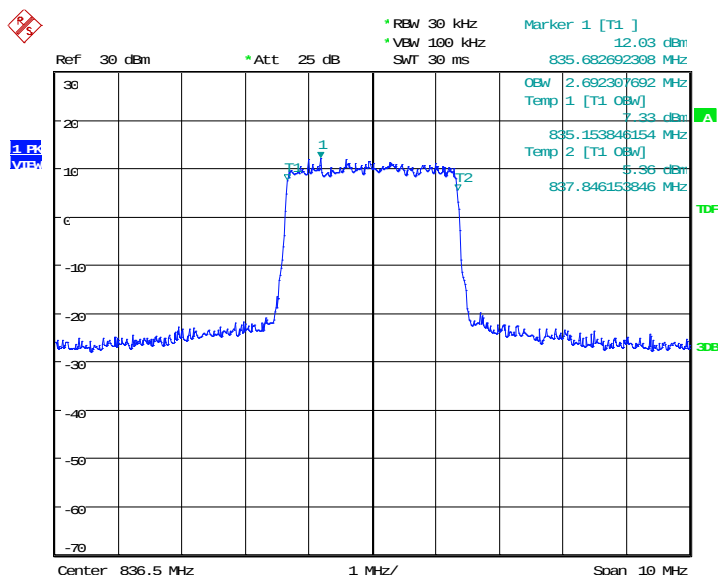
Date: 16.NOV.2020 17:54:57

LTE band 26(824MHz-849MHz), 3MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	2692.31	2692.31

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (99% BW)


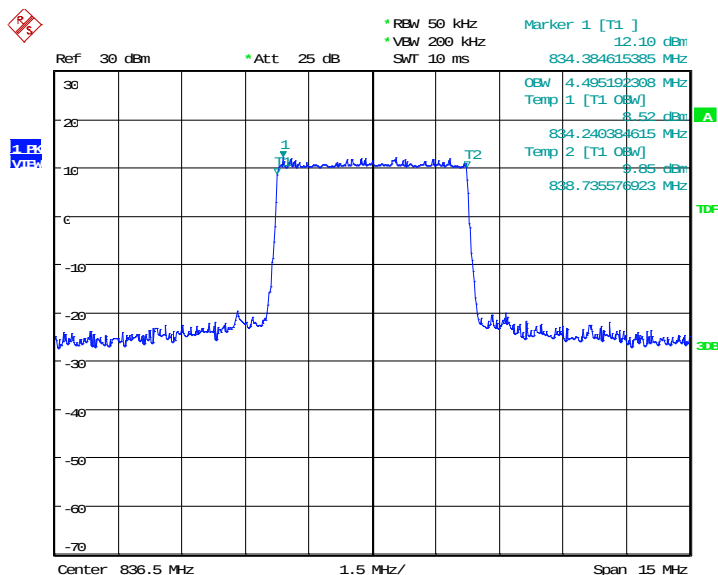
Date: 16.NOV.2020 17:57:01

LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (99% BW)


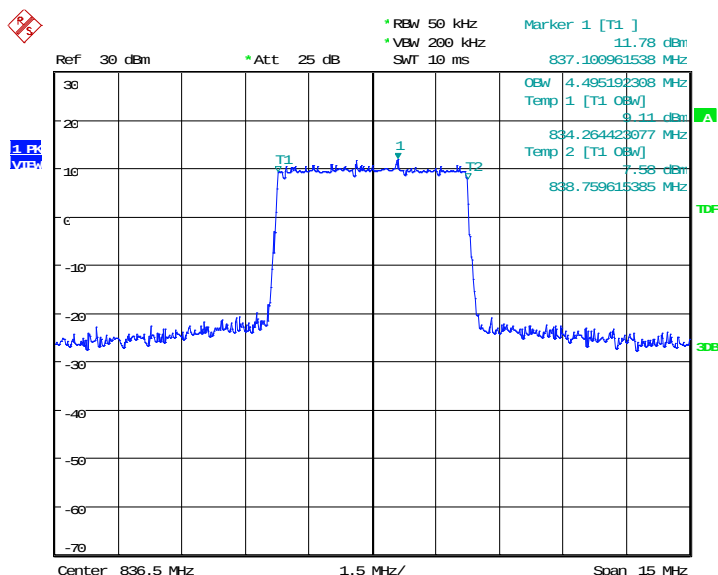
Date: 16.NOV.2020 17:57:15

LTE band 26(824MHz-849MHz), 5MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	4495.19	4495.19

LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 16.NOV.2020 17:59:19

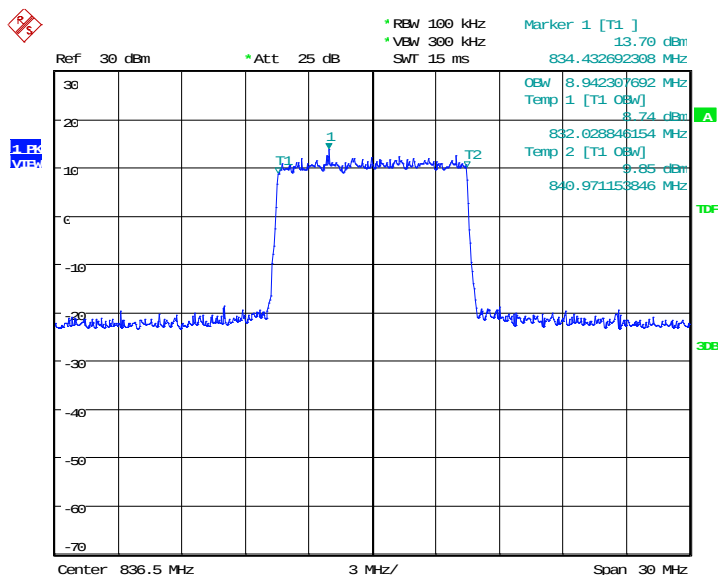
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (99% BW)


Date: 16.NOV.2020 17:59:32

LTE band 26(824MHz-849MHz), 10MHz (99% BW)

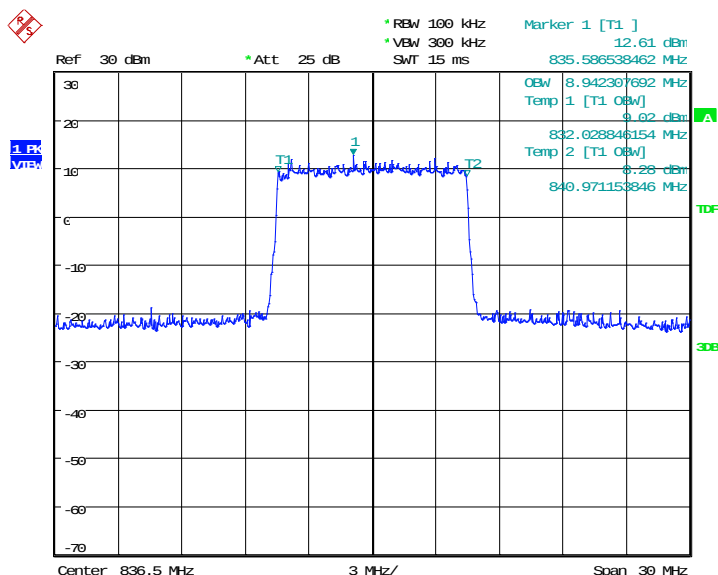
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 18:01:36

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (99% BW)

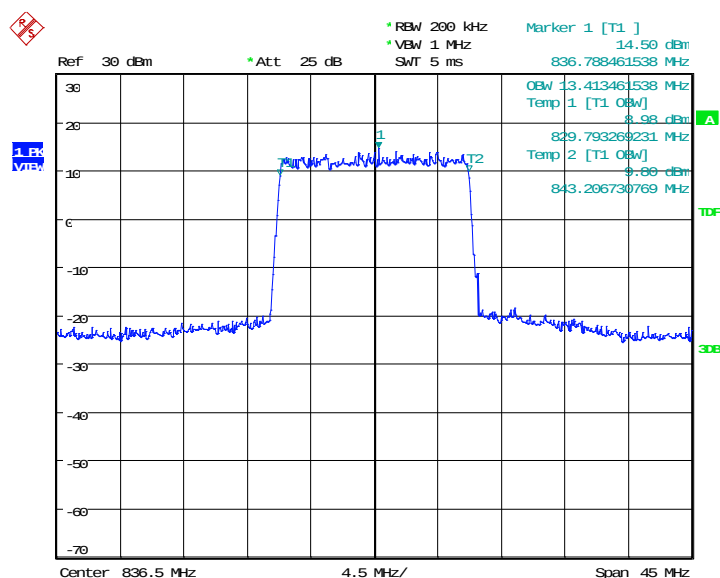


Date: 16.NOV.2020 18:01:50

LTE band 26(824MHz-849MHz), 15MHz (99% BW)

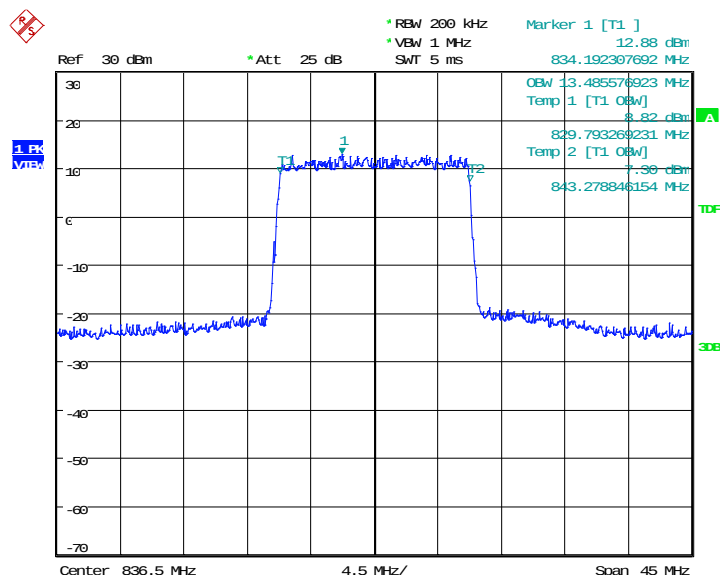
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
836.5	QPSK	16QAM
	13413.46	13485.58

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 18:03:54

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (99% BW)

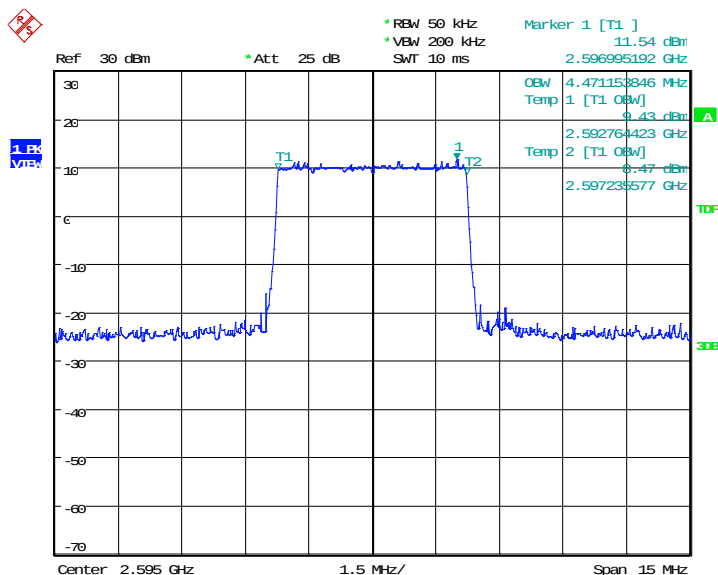


Date: 16.NOV.2020 18:04:08

LTE band 38, 5MHz (99% BW)

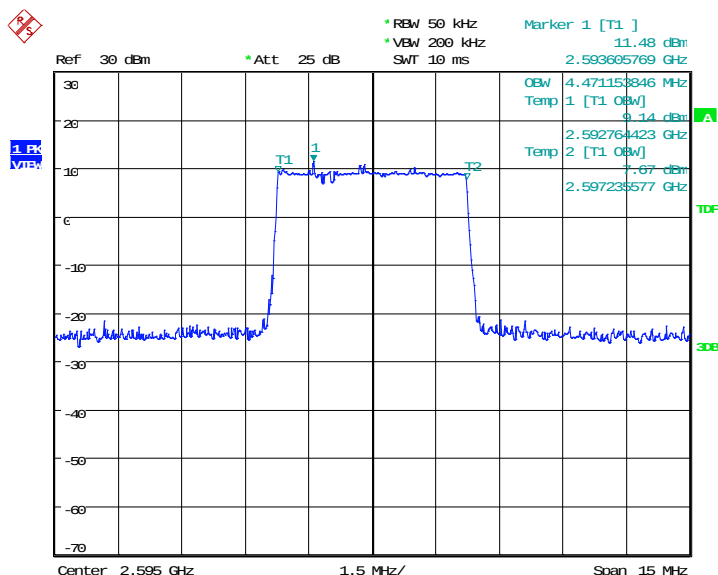
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	4471.15	4471.15

LTE band 38, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:38:27

LTE band 38, 5MHz Bandwidth,16QAM (99% BW)

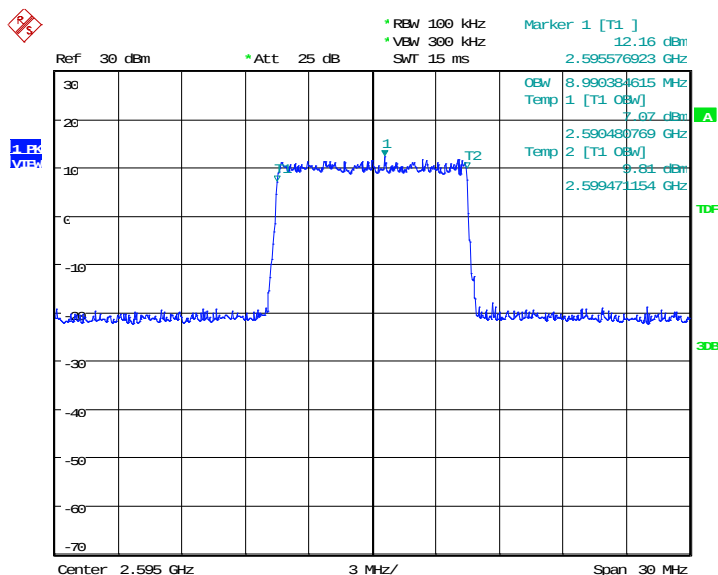


Date: 16.NOV.2020 16:38:40

LTE band 38, 10MHz (99% BW)

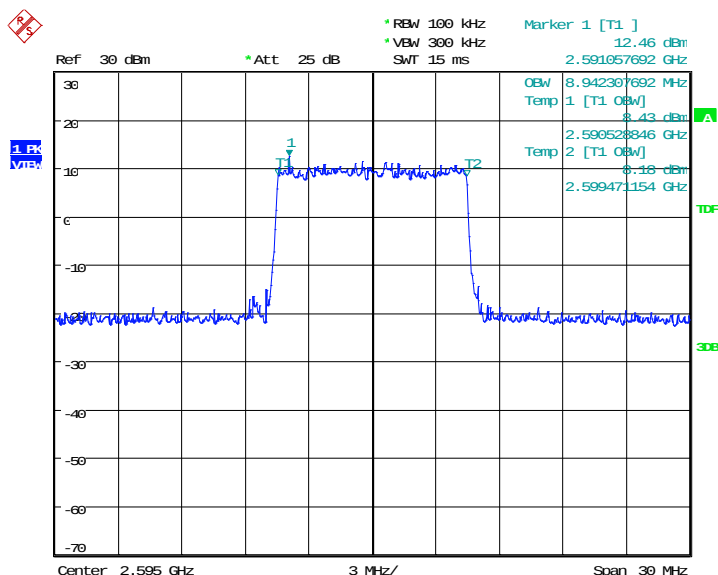
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	8990.38	8942.31

LTE band 38, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:40:44

LTE band 38, 10MHz Bandwidth, 16QAM (99% BW)

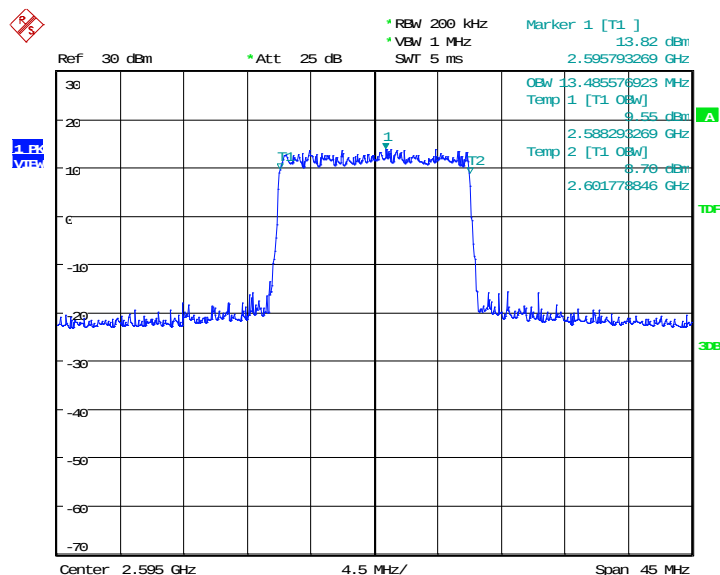


Date: 16.NOV.2020 16:40:58

LTE band 38, 15MHz (99% BW)

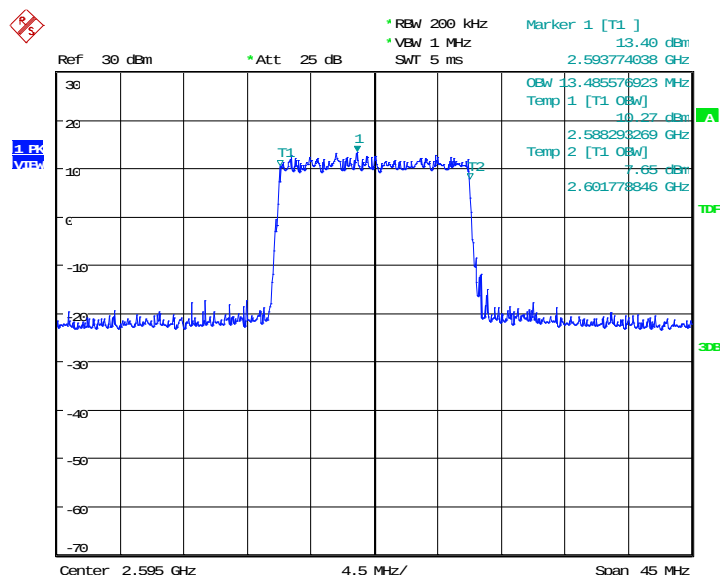
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	13485.58	13485.58

LTE band 38, 15MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:43:02

LTE band 38, 15MHz Bandwidth, 16QAM (99% BW)

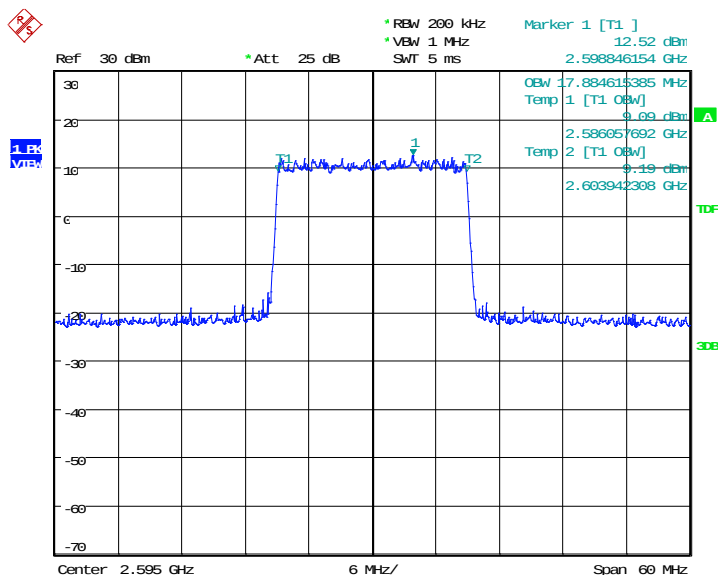


Date: 16.NOV.2020 16:43:16

LTE band 38, 20MHz (99% BW)

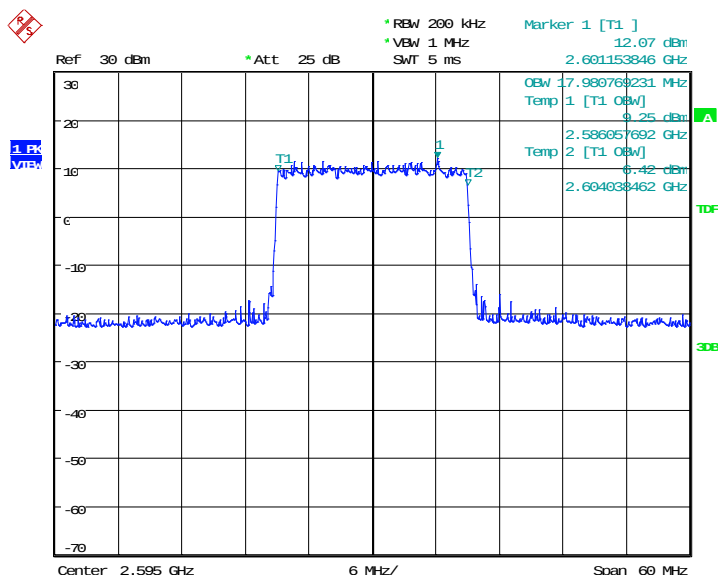
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	17884.62	17980.77

LTE band 38, 20MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:45:20

LTE band 38, 20MHz Bandwidth, 16QAM (99% BW)

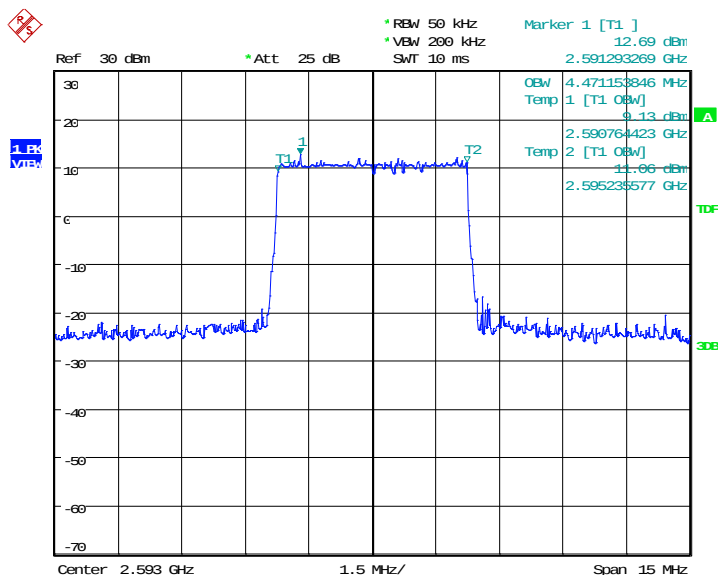


Date: 16.NOV.2020 16:45:34

LTE band 41, 5MHz (99% BW)

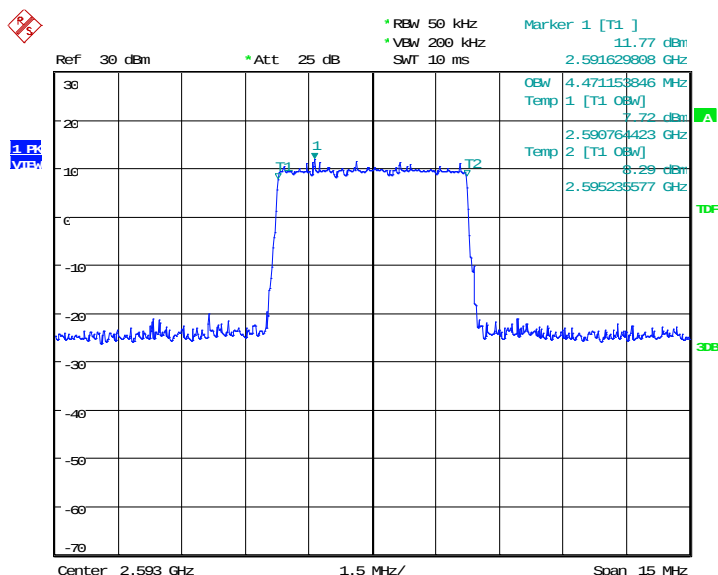
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 16.NOV.2020 17:38:34

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

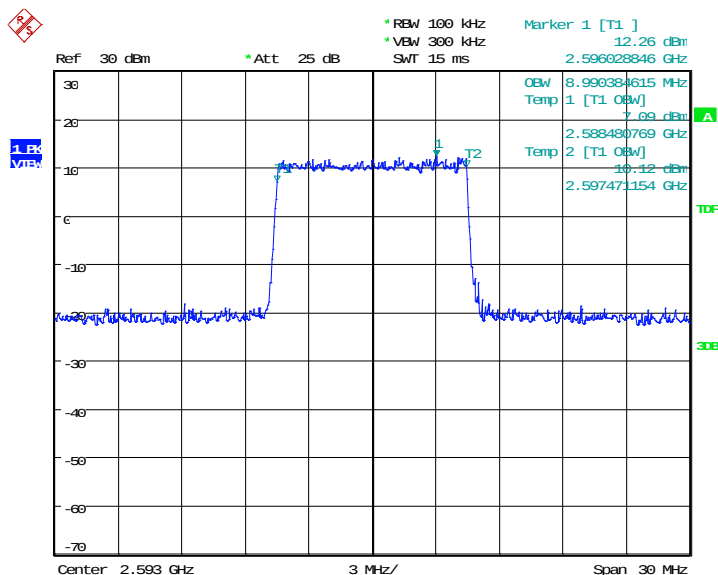


Date: 16.NOV.2020 17:38:48

LTE band 41, 10MHz (99% BW)

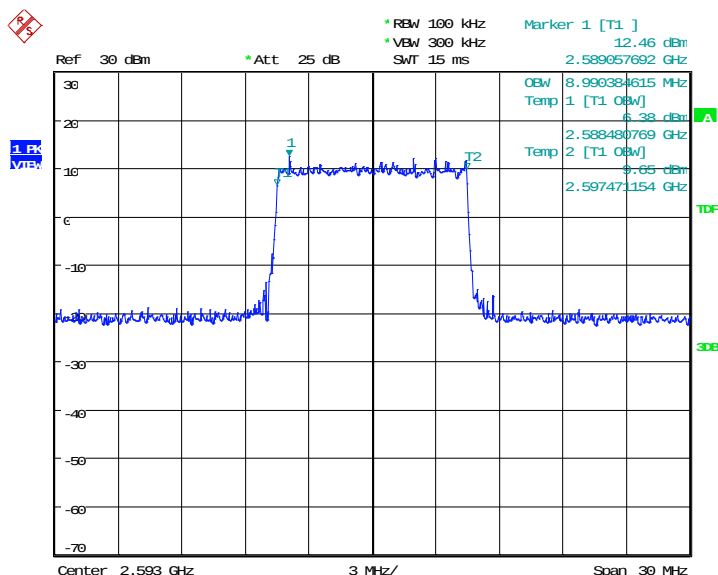
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	8990.38	8990.38

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



Date: 16.NOV.2020 17:40:52

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

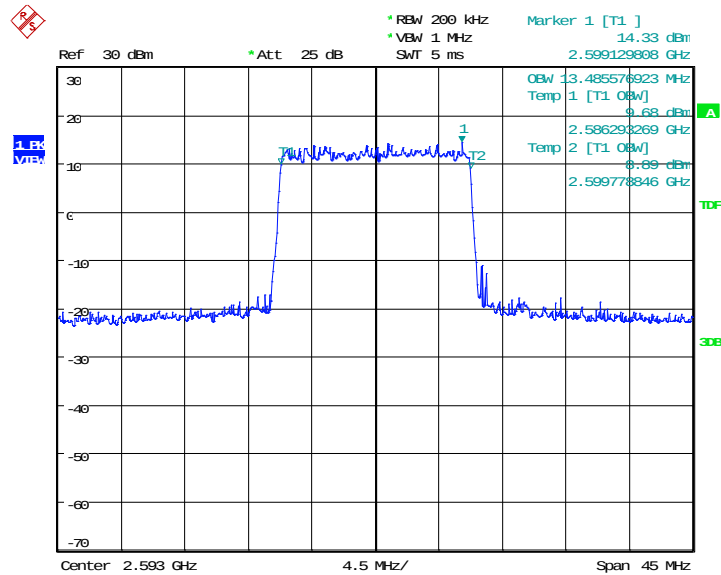


Date: 16.NOV.2020 17:41:06

LTE band 41, 15MHz (99% BW)

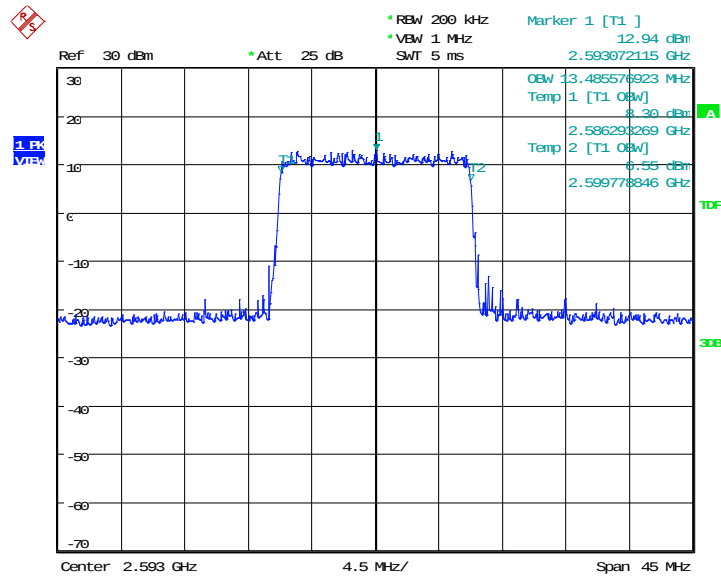
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 16.NOV.2020 17:43:10

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

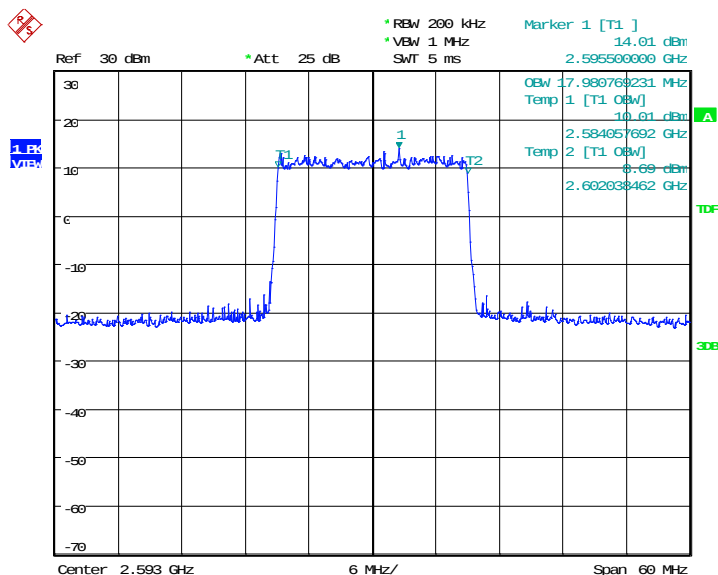


Date: 16.NOV.2020 17:43:23

LTE band 41, 20MHz (99% BW)

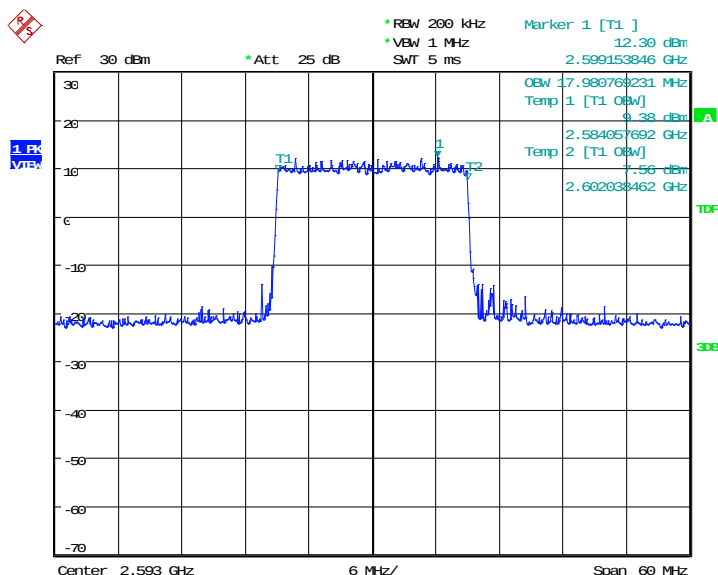
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 16.NOV.2020 17:45:28

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

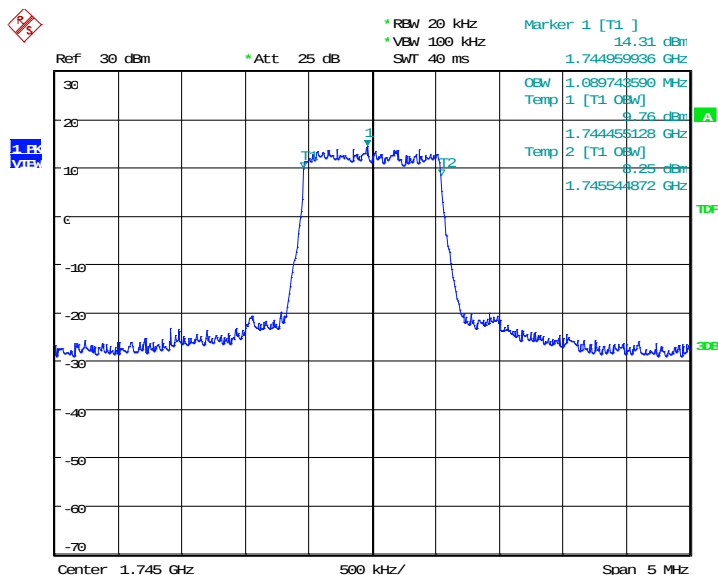


Date: 16.NOV.2020 17:45:41

LTE band 66, 1.4MHz (99% BW)

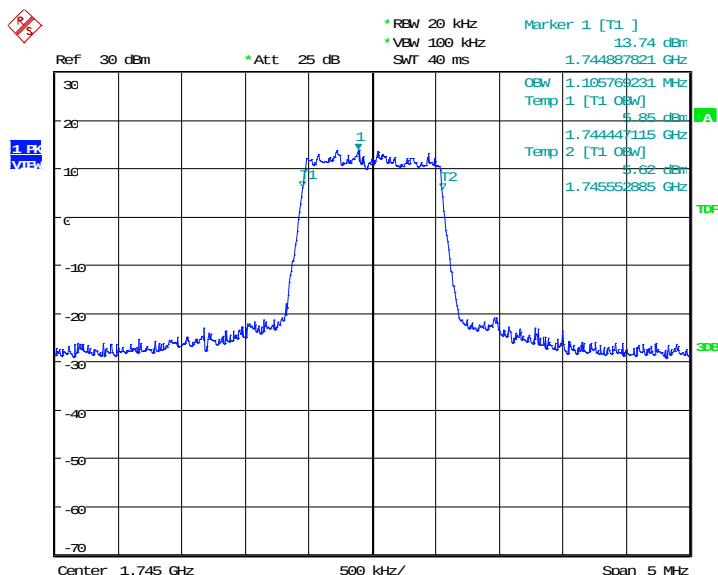
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1105.77

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



Date: 16.NOV.2020 18:15:30

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

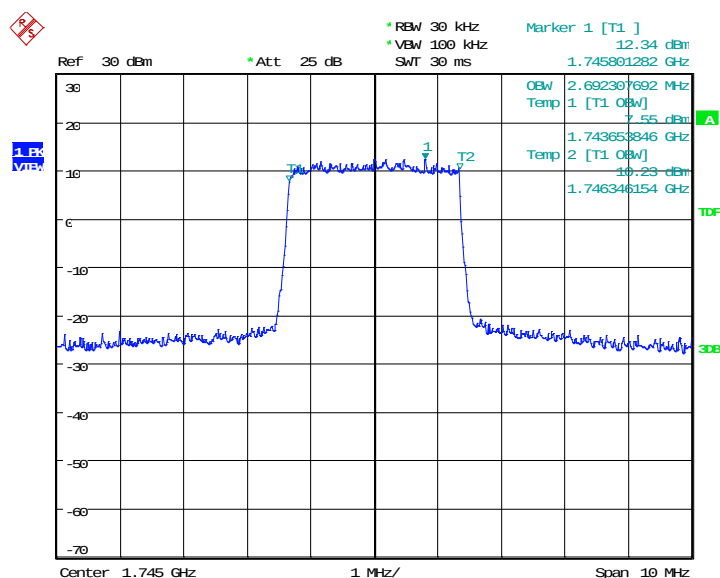


Date: 16.NOV.2020 18:15:43

LTE band 66, 3MHz (99% BW)

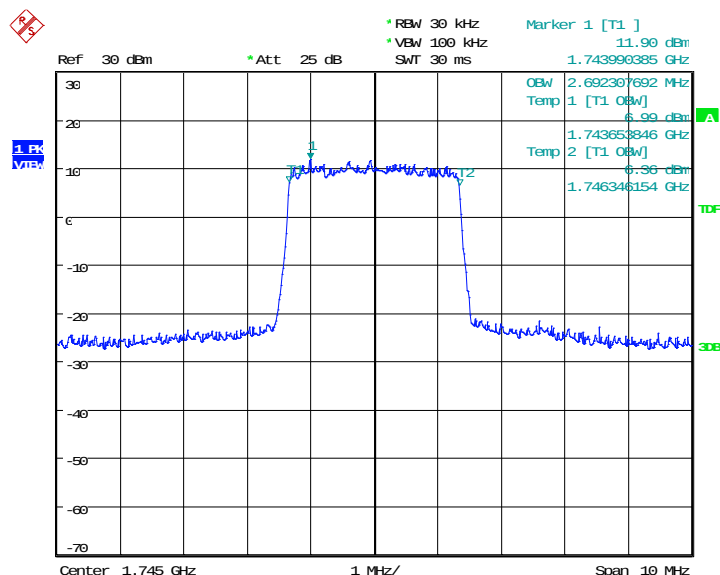
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 16.NOV.2020 18:17:48

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

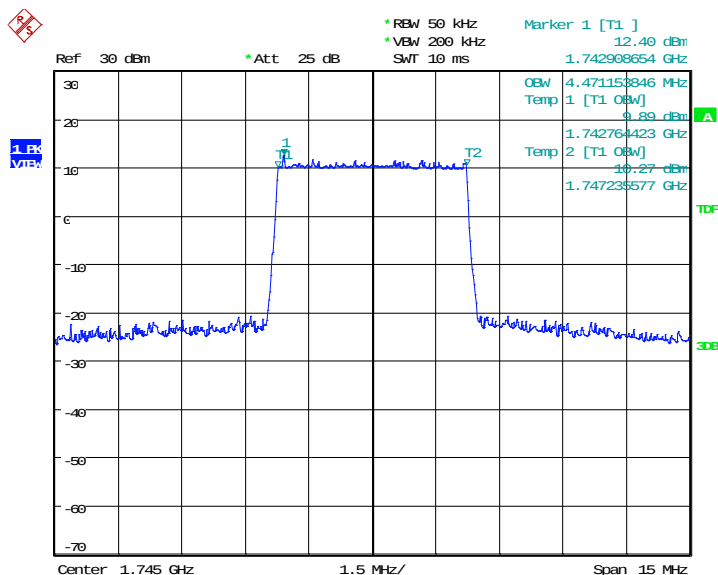


Date: 16.NOV.2020 18:18:01

LTE band 66, 5MHz (99% BW)

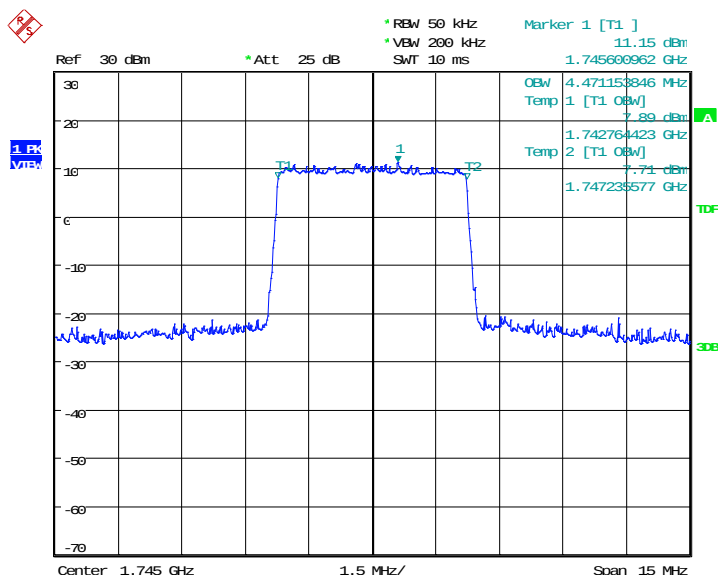
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 16.NOV.2020 18:20:05

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

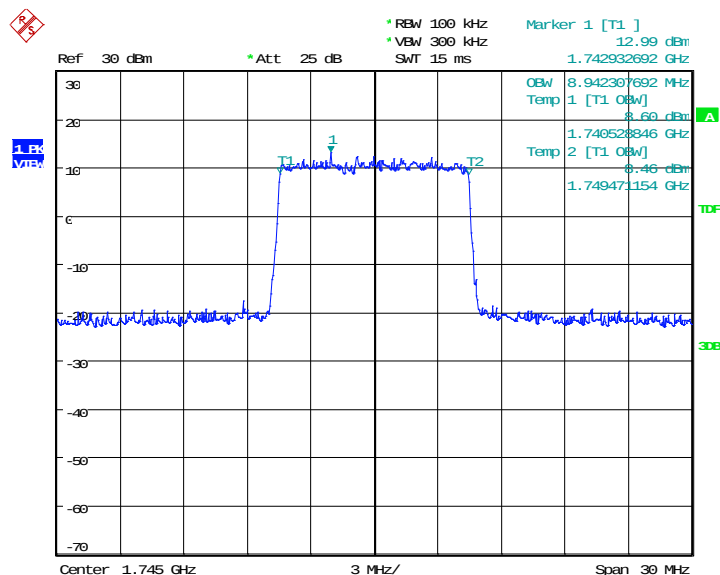


Date: 16.NOV.2020 18:20:19

LTE band 66, 10MHz (99% BW)

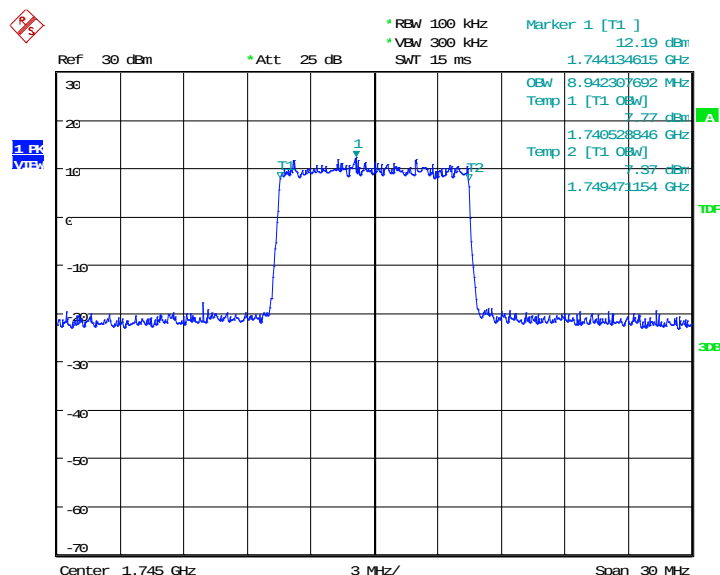
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 16.NOV.2020 18:22:23

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

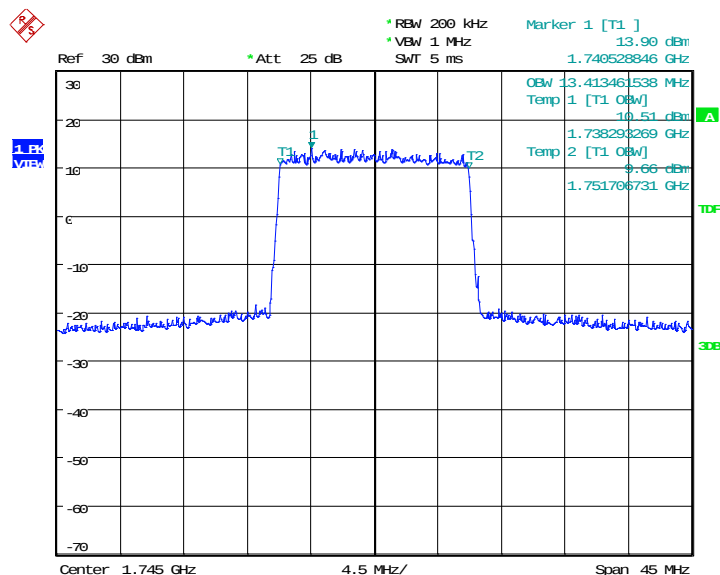


Date: 16.NOV.2020 18:22:37

LTE band 66, 15MHz (99% BW)

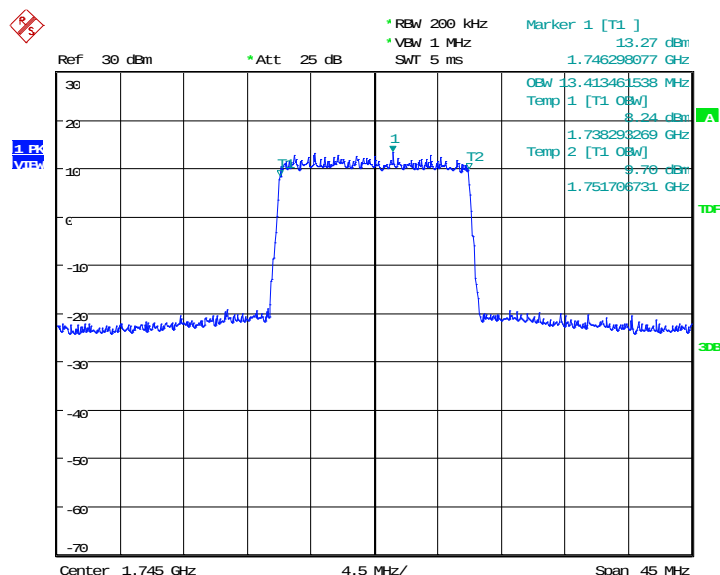
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	13413.46	13413.46

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



Date: 16.NOV.2020 18:24:41

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

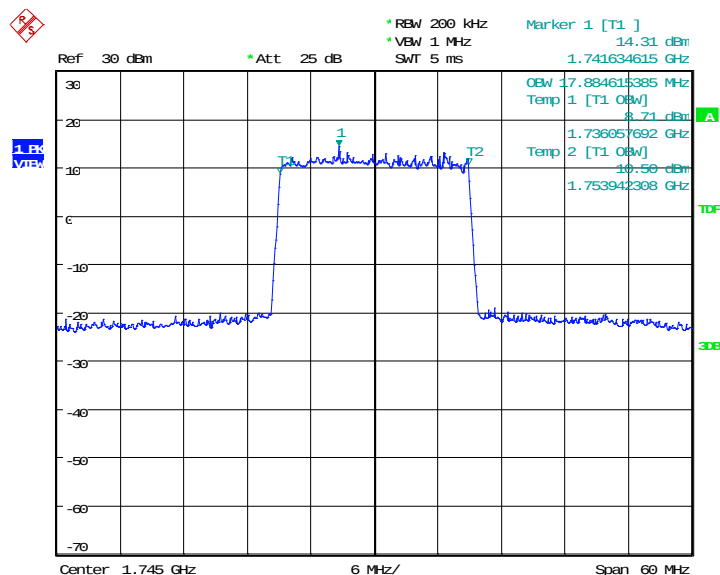


Date: 16.NOV.2020 18:24:55

LTE band 66, 20MHz (99% BW)

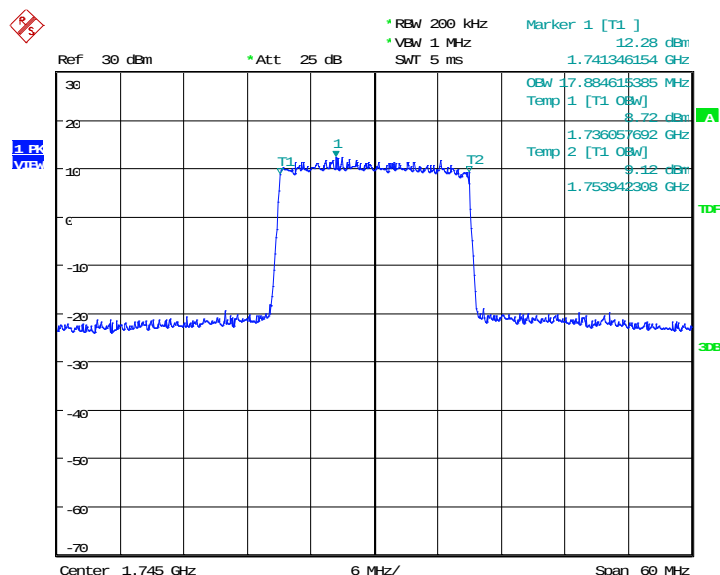
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1745.0	QPSK	16QAM
	17884.62	17884.62

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



Date: 16.NOV.2020 18:27:00

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

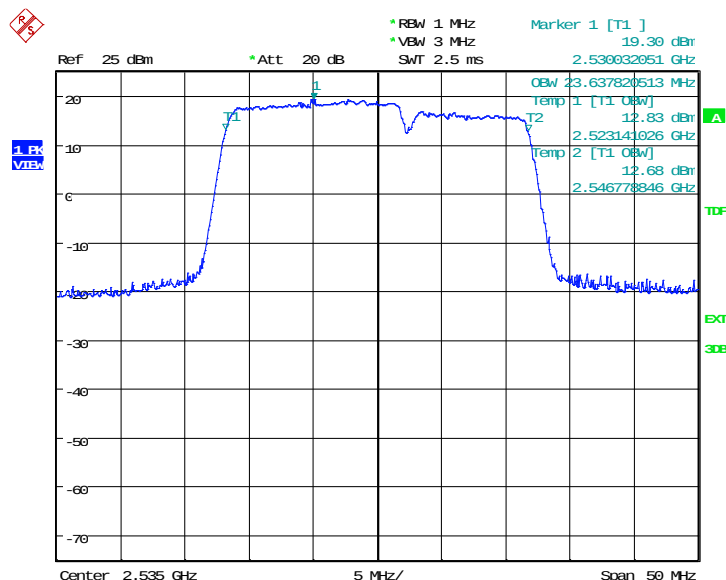


Date: 16.NOV.2020 18:27:13

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

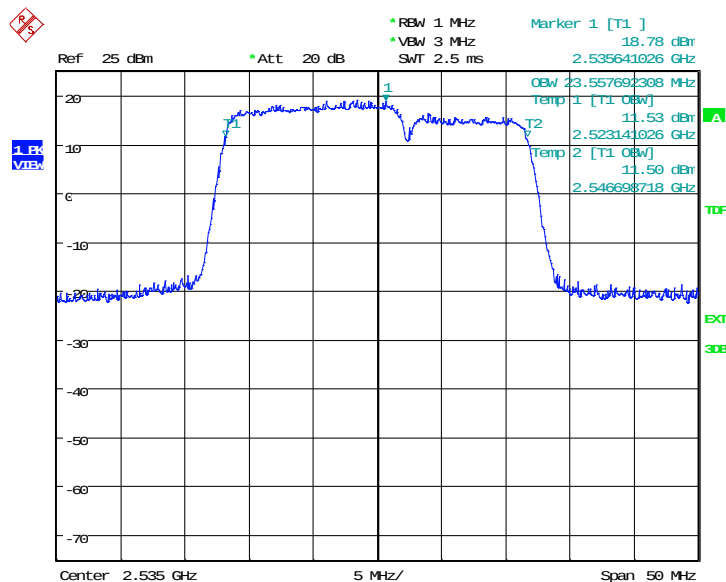
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	23637.82	23557.69

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



Date: 19.NOV.2020 14:31:58

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

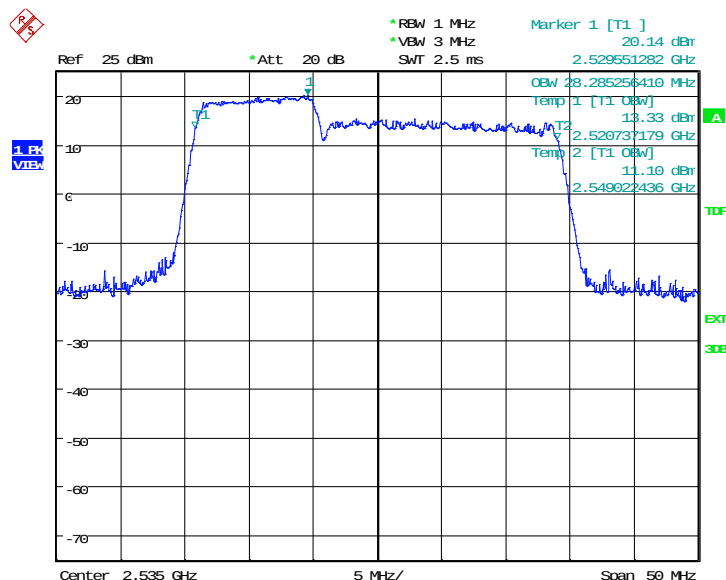


Date: 19.NOV.2020 14:32:29

LTE Band CA_7C, 10MHz+20MHz (99% BW)

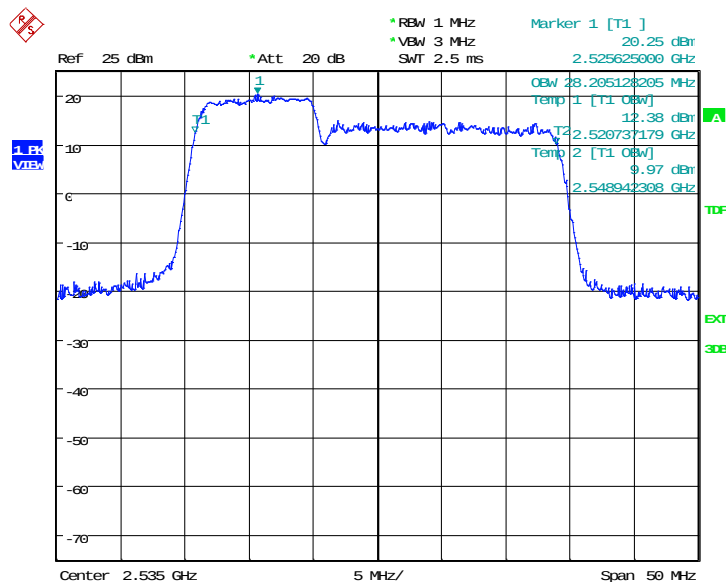
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	28285.26	28205.13

LTE Band CA_7C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:36:37

LTE Band CA_7C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)

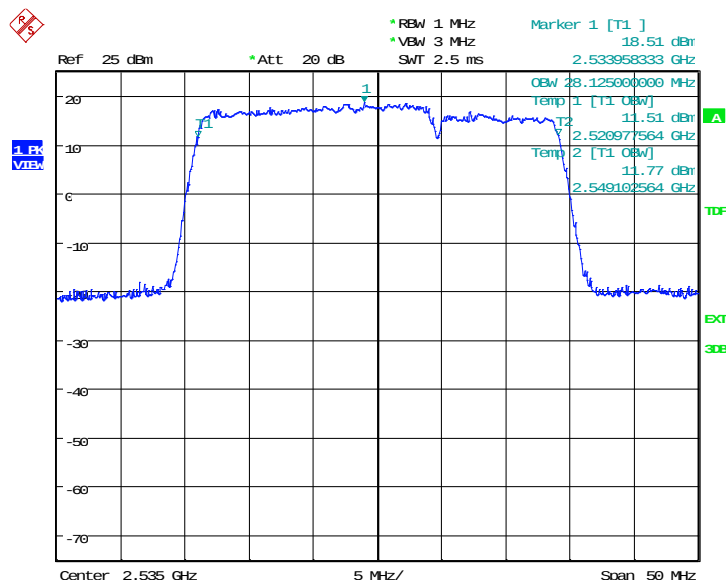


Date: 19.NOV.2020 14:36:07

LTE Band CA_7C, 20MHz+10MHz (99% BW)

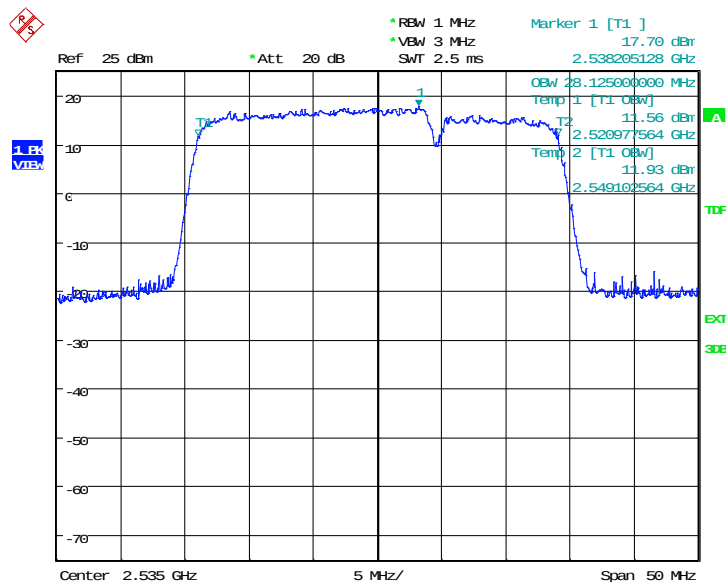
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	28125.00	28125.00

LTE Band CA_7C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:37:52

LTE Band CA_7C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)

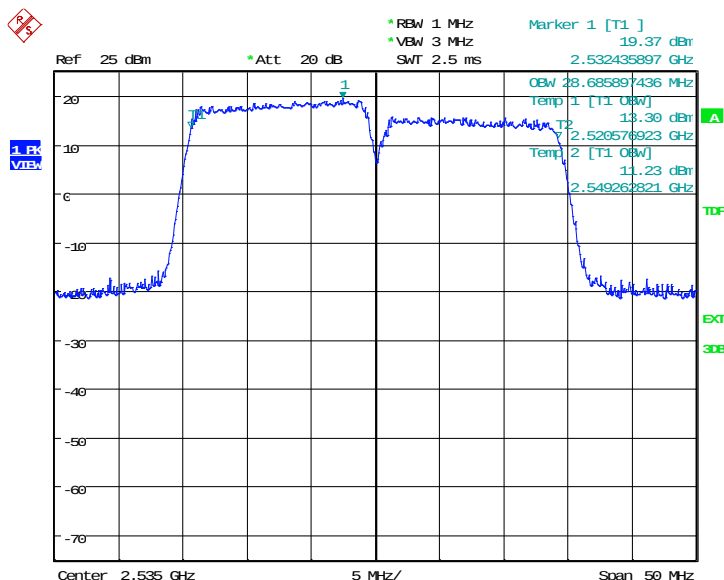


Date: 19.NOV.2020 14:39:07

LTE Band CA_7C, 15MHz+15MHz (99% BW)

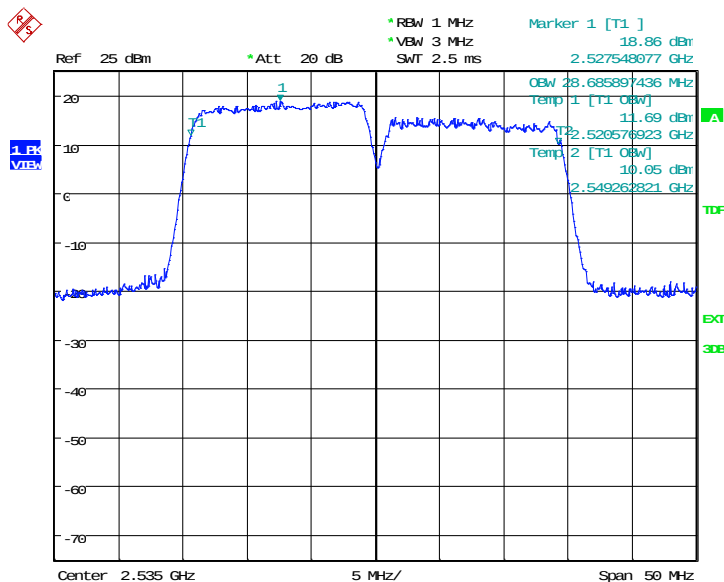
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	28685.90	28685.90

LTE Band CA_7C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:43:03

LTE Band CA_7C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)

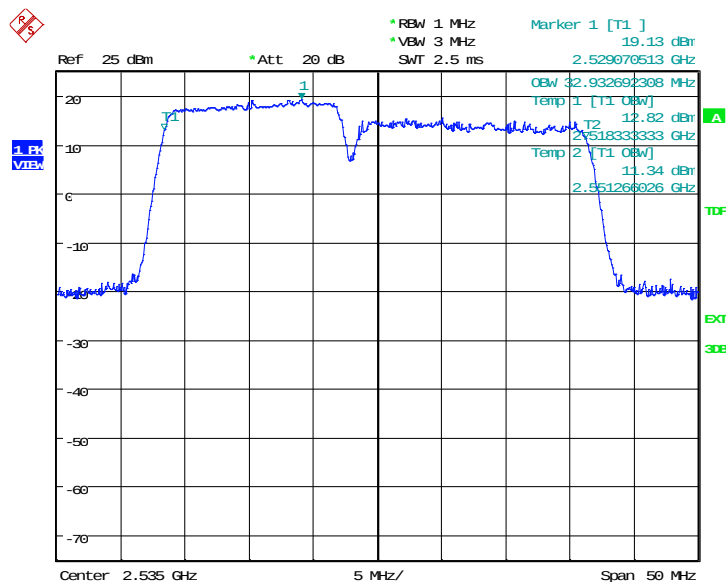


Date: 19.NOV.2020 14:42:22

LTE Band CA_7C, 15MHz+20MHz (99% BW)

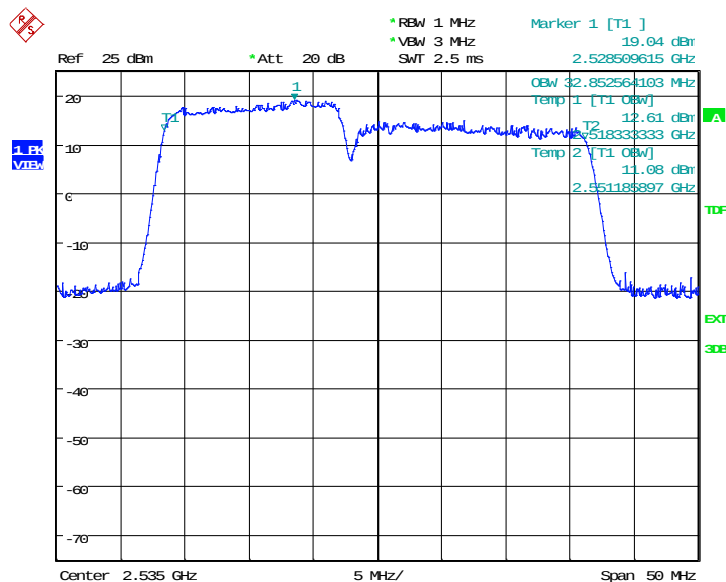
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	32932.69	32852.56

LTE Band CA_7C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:44:11

LTE Band CA_7C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)

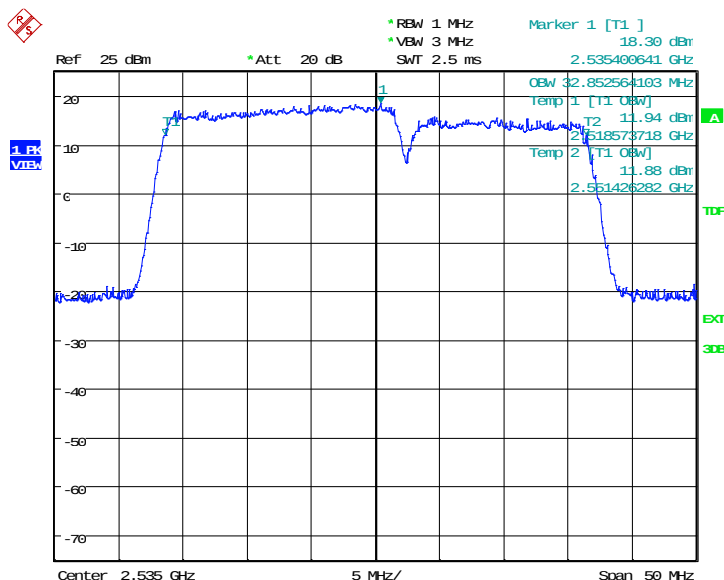


Date: 19.NOV.2020 14:44:44

LTE Band CA_7C, 20MHz+15MHz (99% BW)

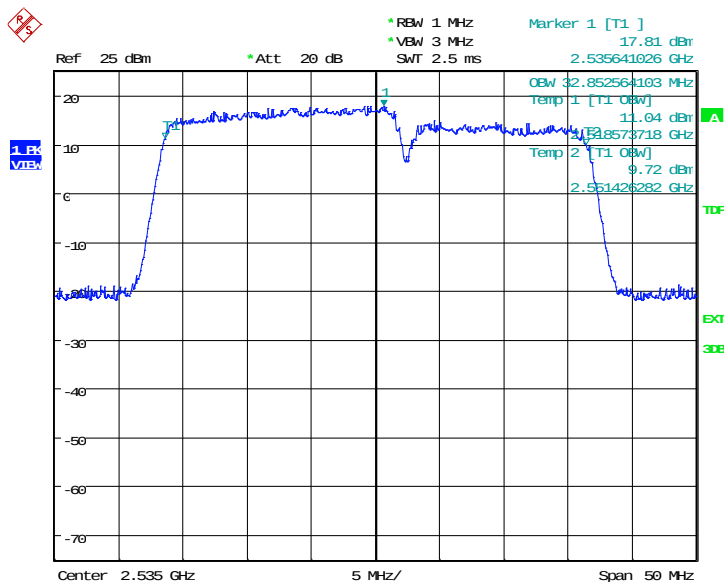
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	32852.56	32852.56

LTE Band CA_7C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:50:46

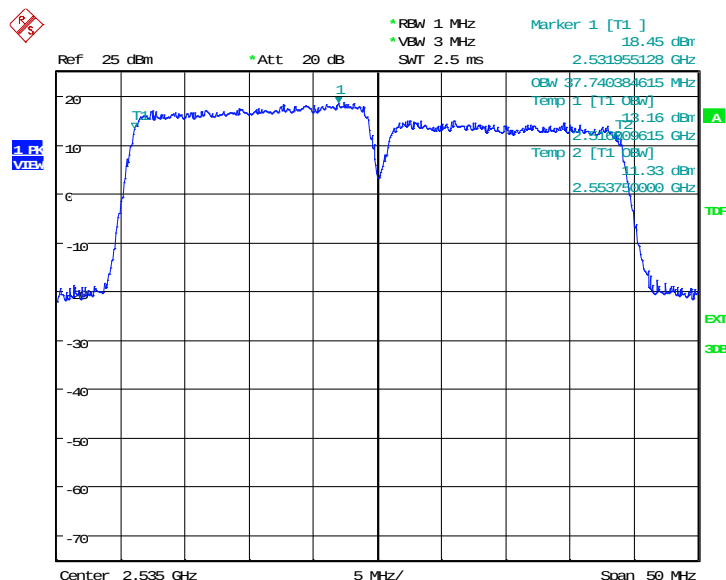
LTE Band CA_7C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)



Date: 19.NOV.2020 14:50:25

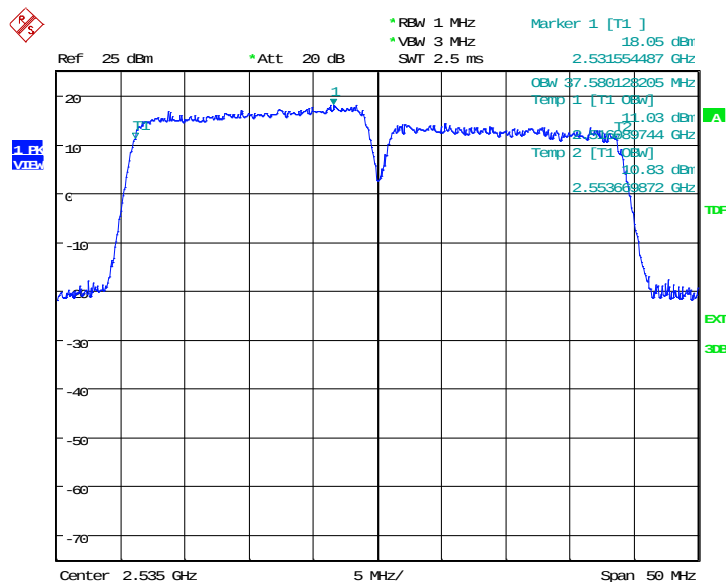
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2535.0	QPSK	16QAM
	37740.38	37580.13

LTE Band CA_7C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 19.NOV.2020 14:51:44

LTE Band CA_7C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)

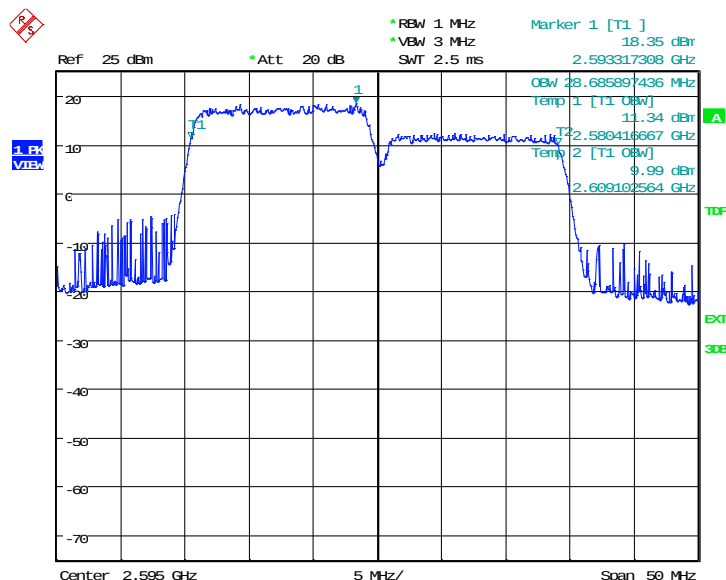


Date: 19.NOV.2020 14:52:29

LTE Band CA_38C, 15MHz+15MHz (99% BW)

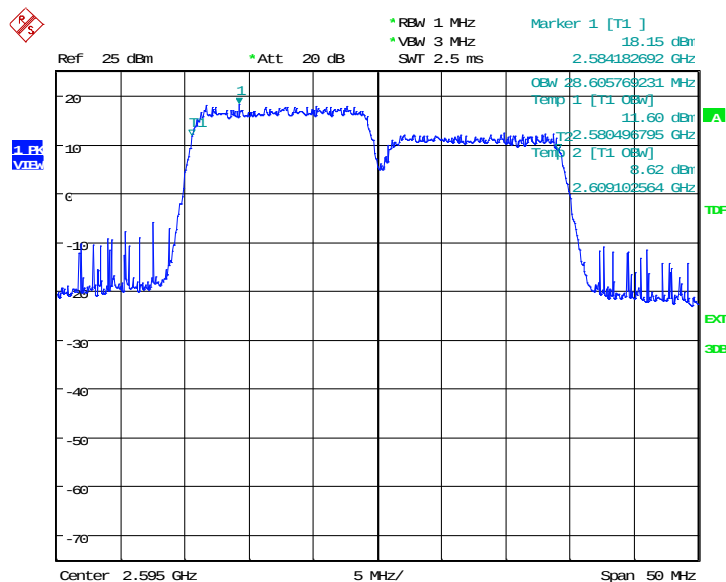
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	28685.90	28605.77

LTE Band CA_38C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 23.NOV.2020 13:26:30

LTE Band CA_38C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)

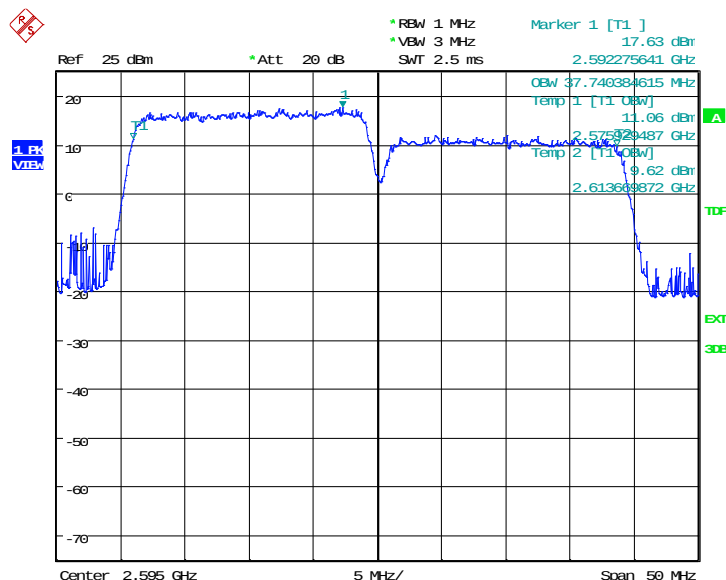


Date: 23.NOV.2020 13:26:15

LTE Band CA_38C, 20MHz+20MHz (99% BW)

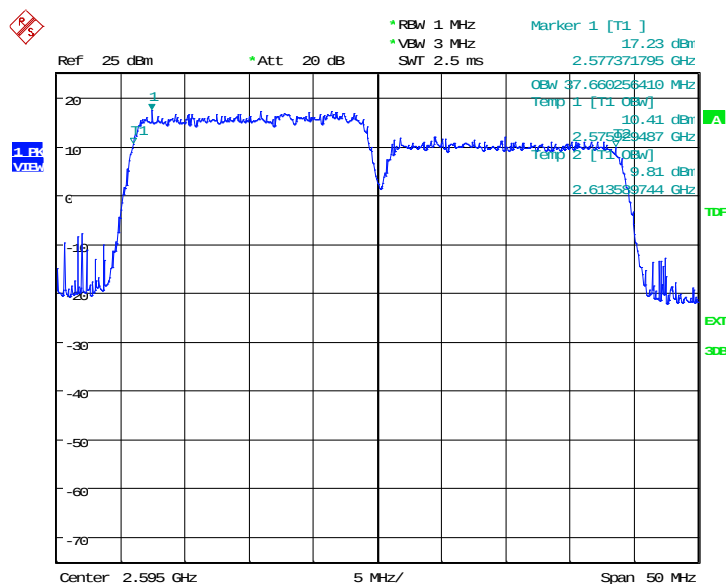
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2595.0	QPSK	16QAM
	37740.38	37660.26

LTE Band CA_38C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 23.NOV.2020 13:27:39

LTE Band CA_38C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)

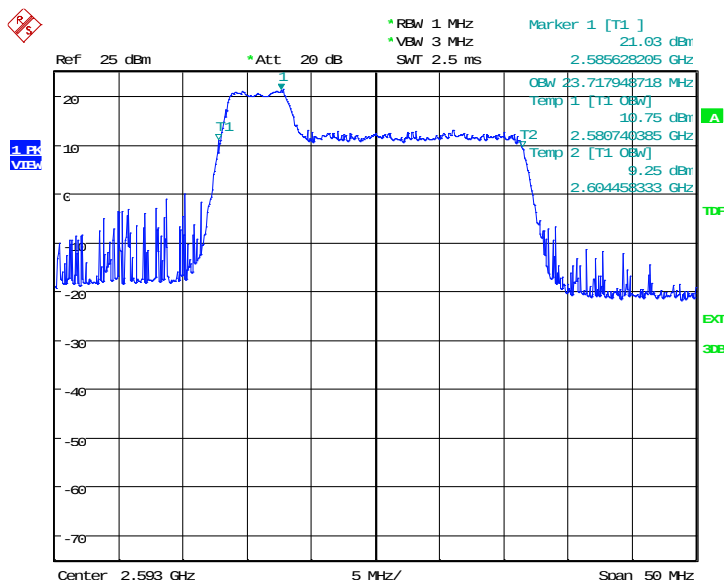


Date: 23.NOV.2020 13:27:55

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

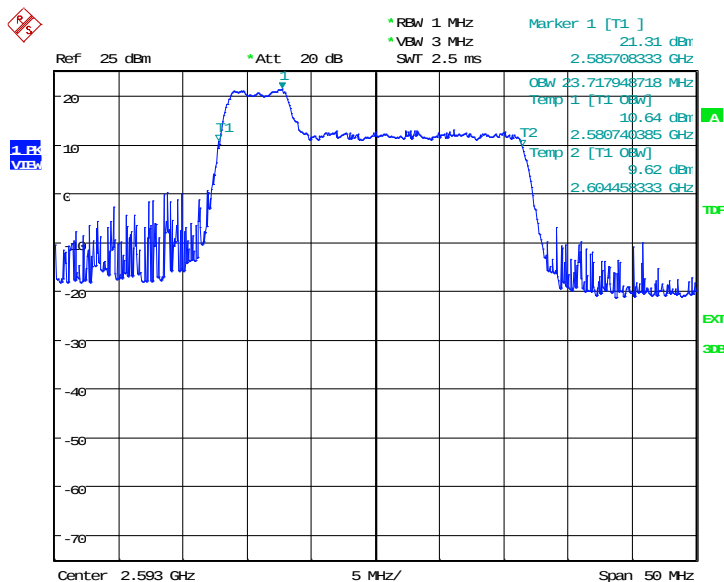
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	23717.95	23717.95

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



Date: 23.NOV.2020 12:45:43

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

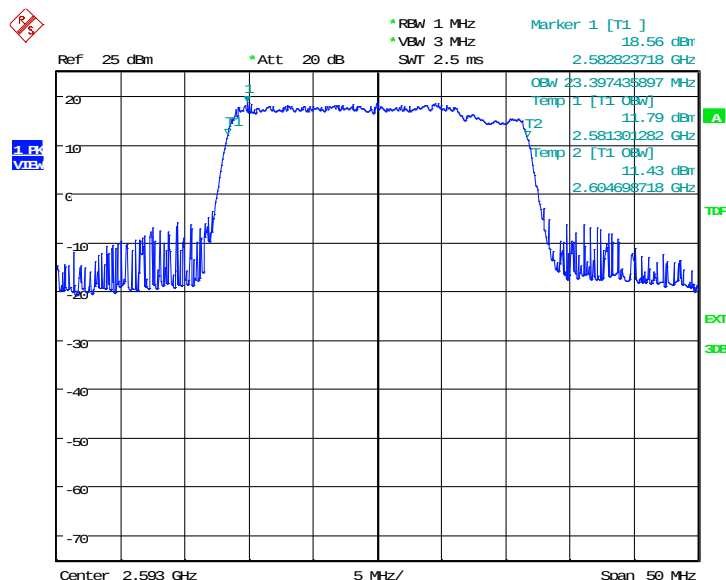


Date: 23.NOV.2020 12:49:35

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

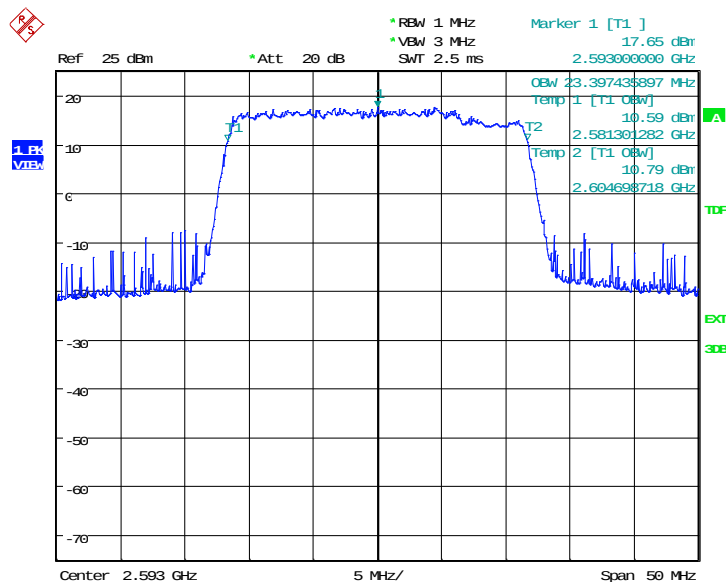
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	23397.44	23397.44

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



Date: 23.NOV.2020 12:53:11

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

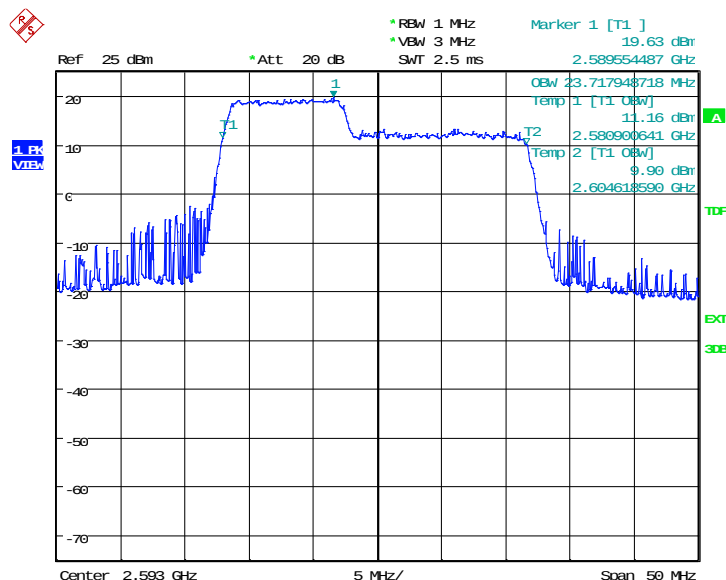


Date: 23.NOV.2020 12:53:27

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

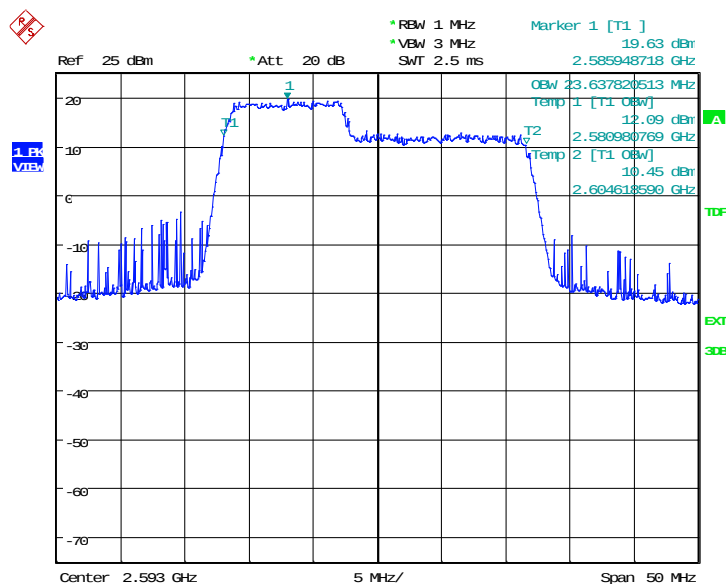
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	23717.95	23637.82

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



Date: 23.NOV.2020 12:56:45

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

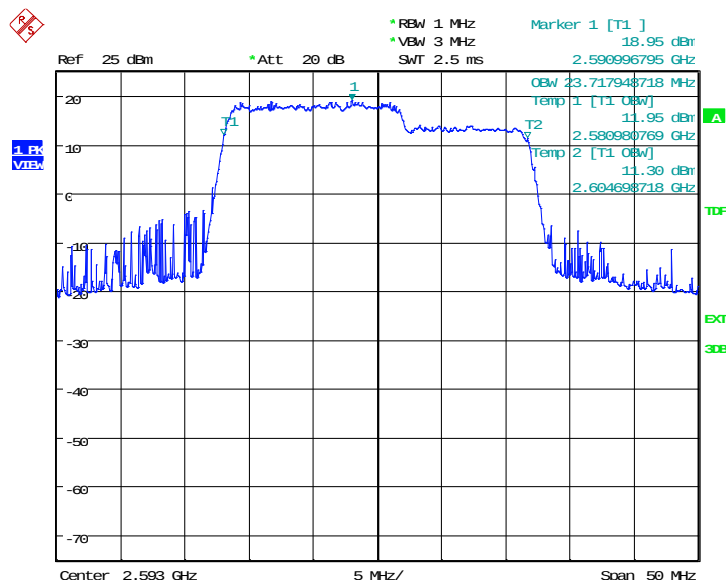


Date: 23.NOV.2020 12:56:26

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

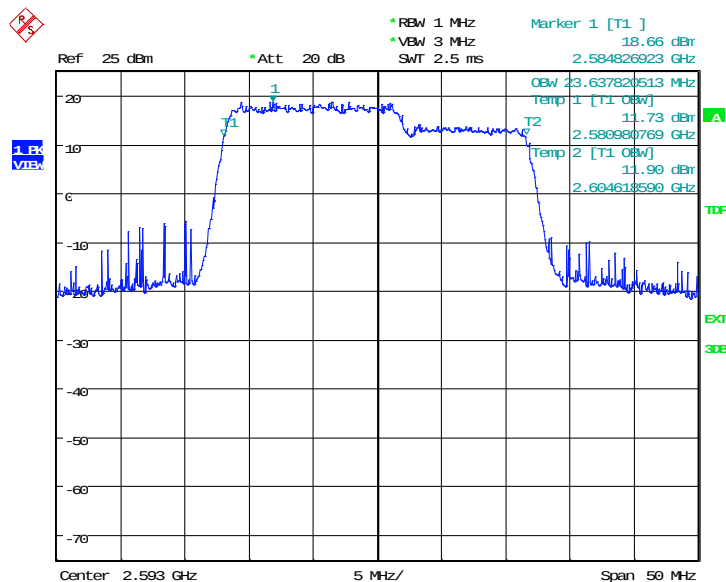
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	23717.95	23637.82

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



Date: 23.NOV.2020 12:57:55

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

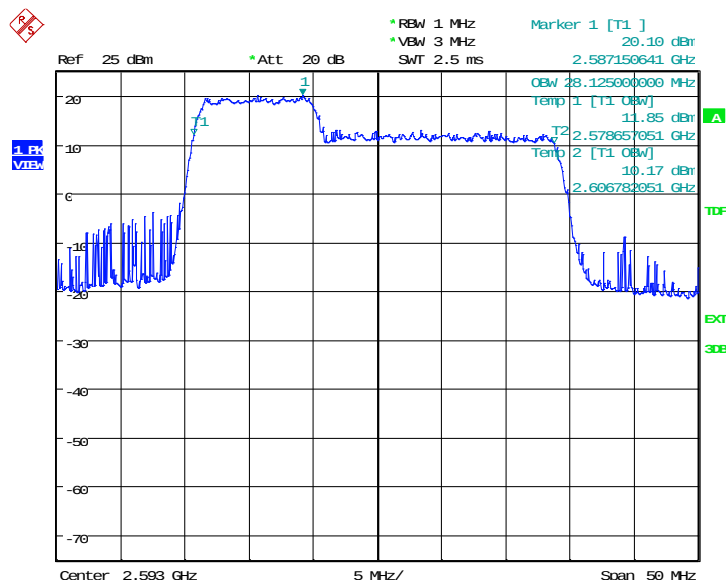


Date: 23.NOV.2020 12:58:10

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

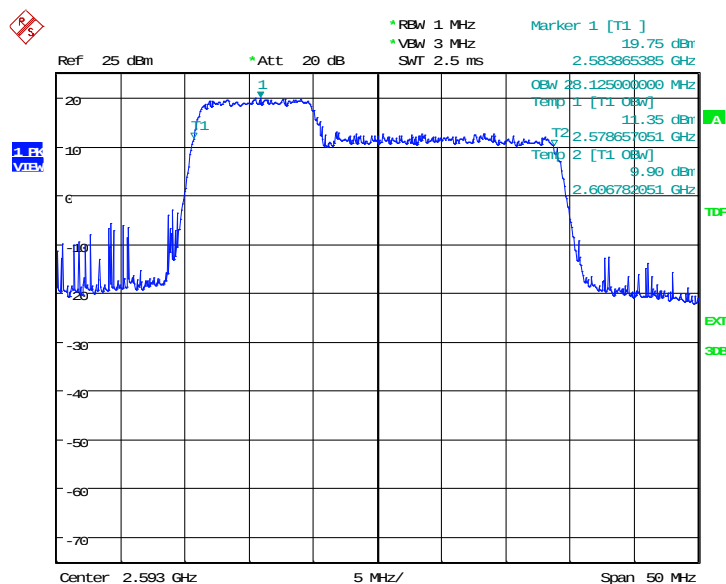
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	28125.00	28125.00

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



Date: 23.NOV.2020 13:01:48

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

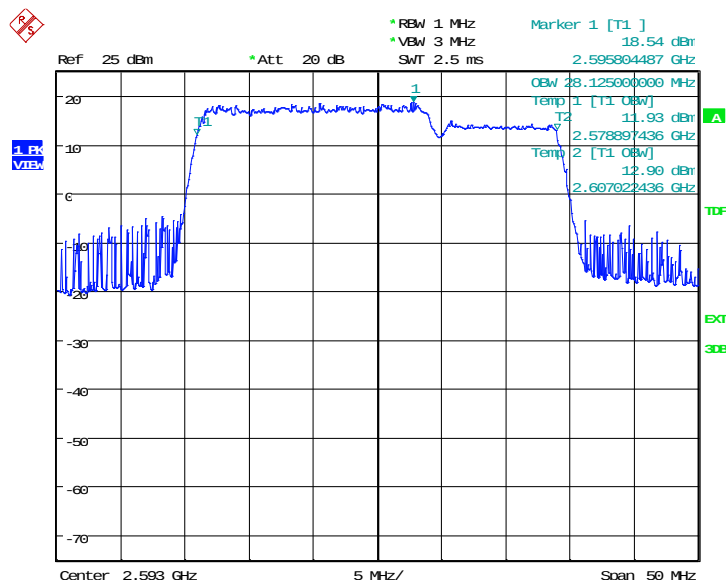


Date: 23.NOV.2020 13:01:12

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

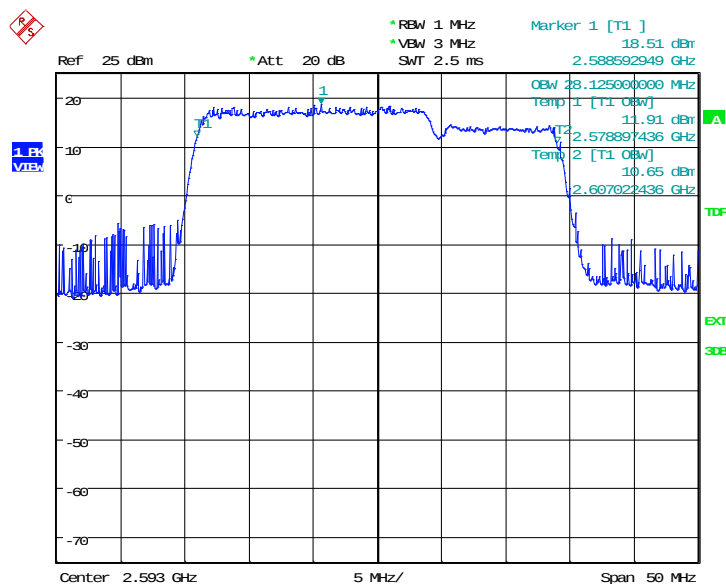
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	28125.00	28125.00

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



Date: 23.NOV.2020 13:02:51

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

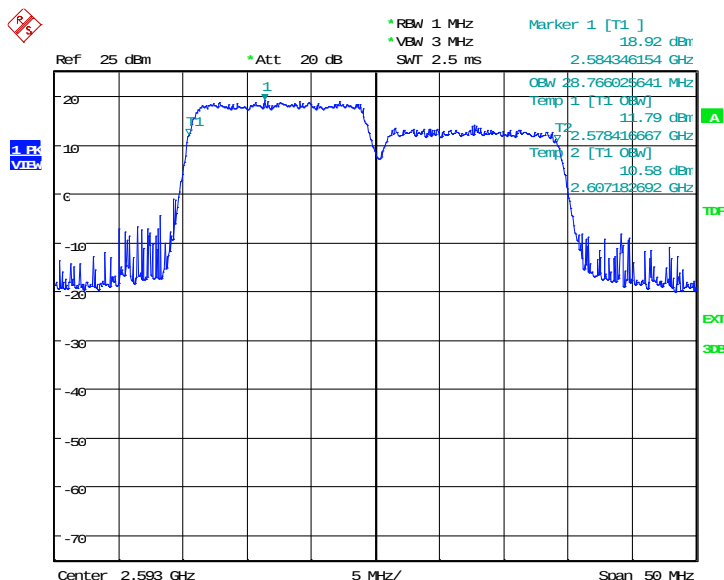


Date: 23.NOV.2020 13:03:33

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

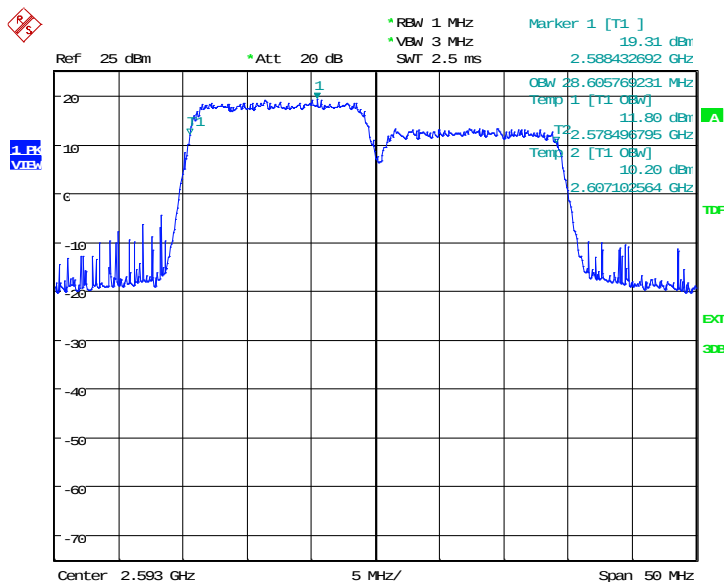
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	28766.03	28605.77

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



Date: 23.NOV.2020 13:06:55

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

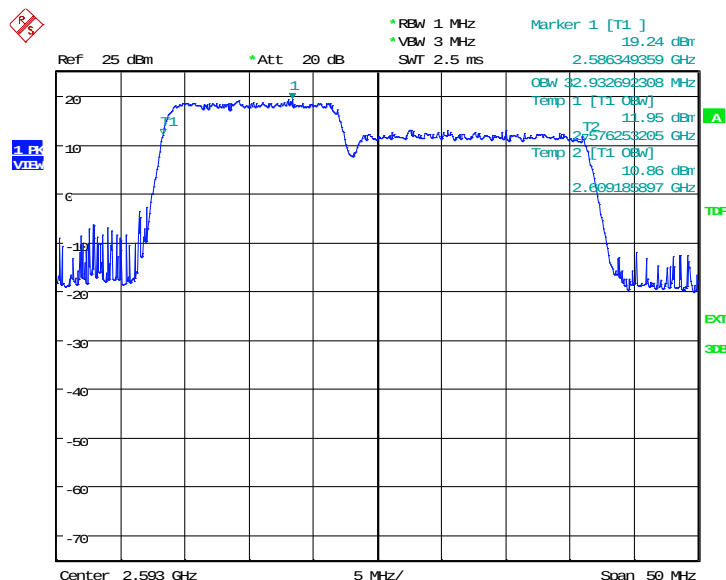


Date: 23.NOV.2020 13:06:34

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

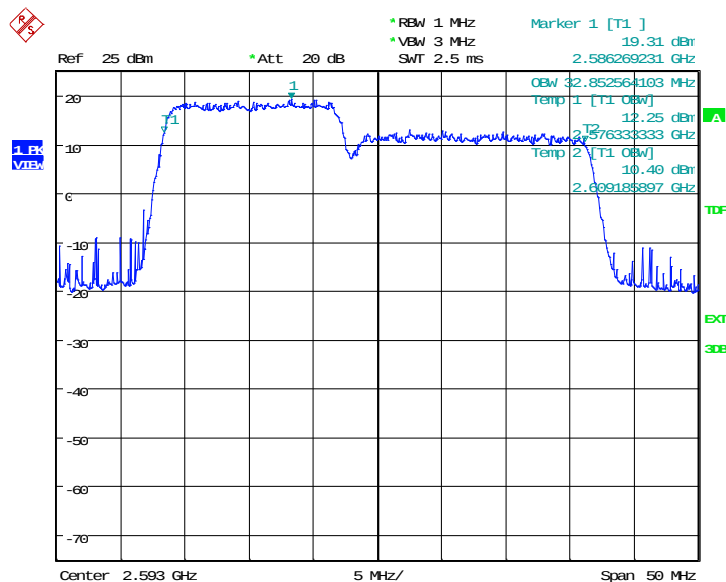
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	32932.69	32852.56

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



Date: 23.NOV.2020 13:08:50

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

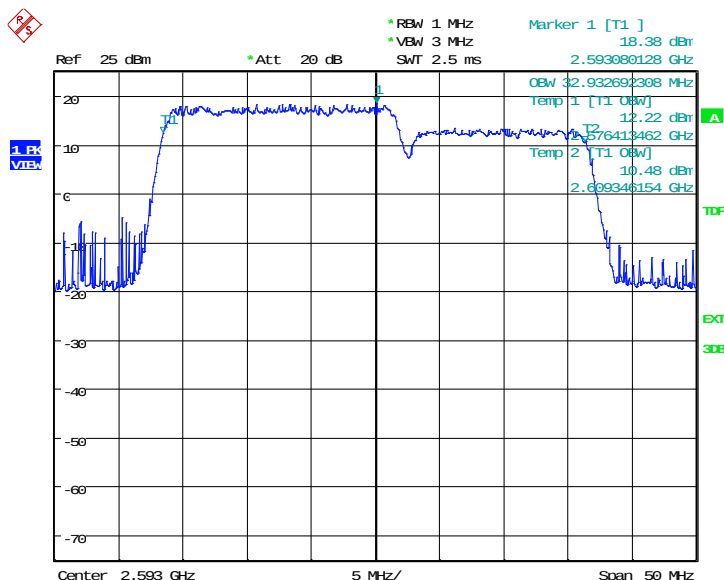


Date: 23.NOV.2020 13:09:11

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

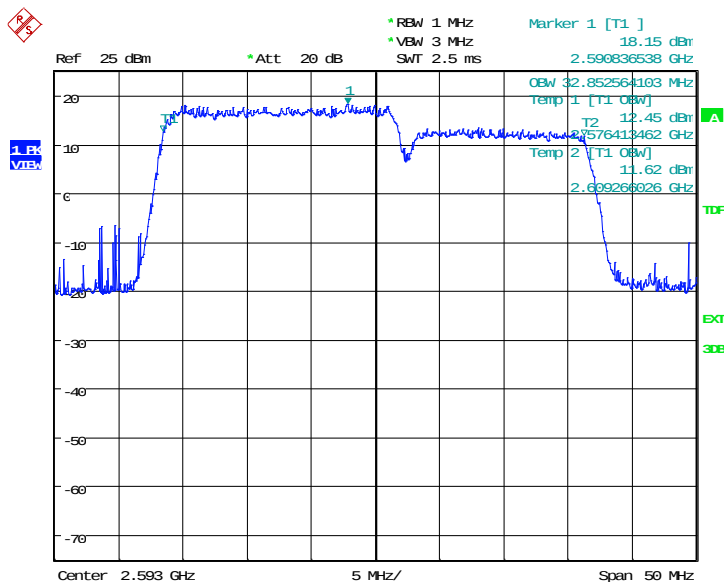
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	32932.69	32852.56

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



Date: 23.NOV.2020 13:12:19

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

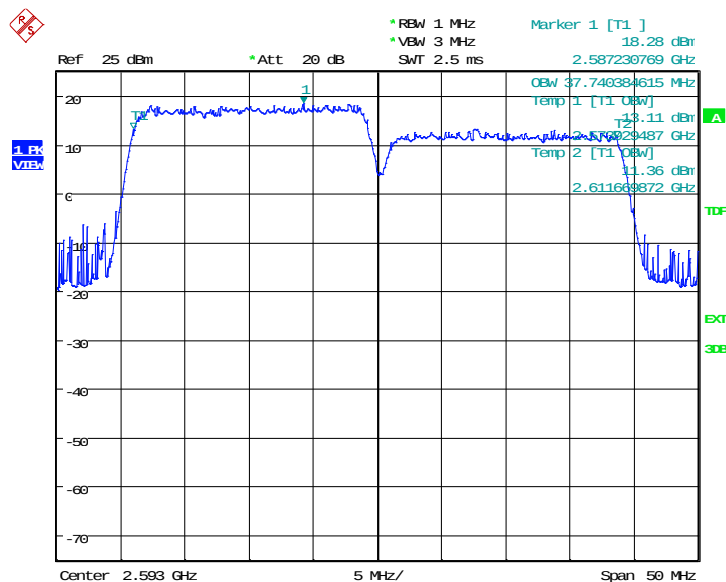


Date: 23.NOV.2020 13:11:55

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

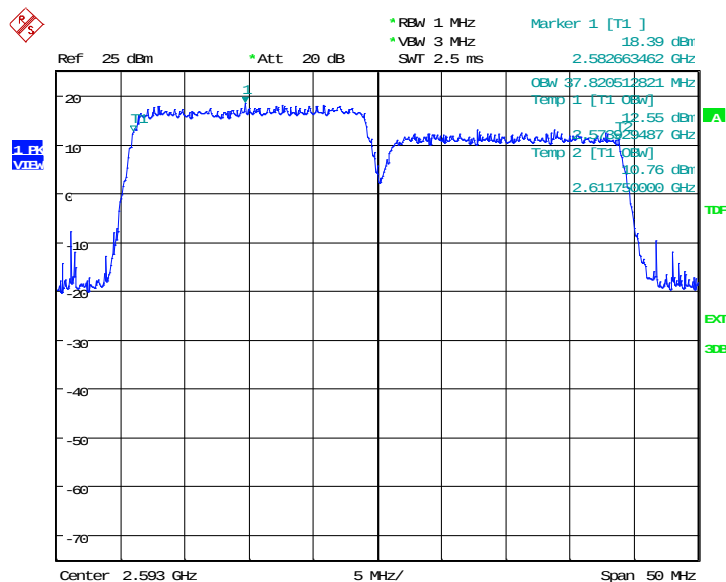
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
2593.0	QPSK	16QAM
	37740.38	37820.51

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



Date: 23.NOV.2020 13:13:47

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



Date: 23.NOV.2020 13:13:59

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, 90.1215.

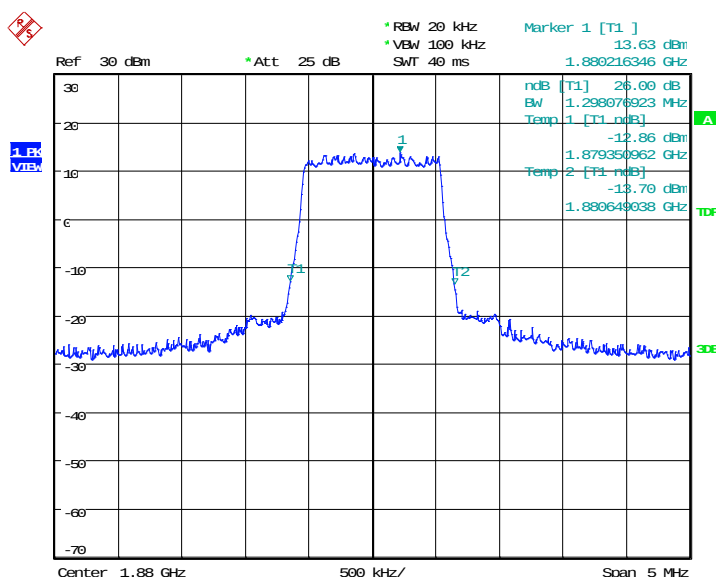
A.5.1 Emission Bandwidth Results

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)

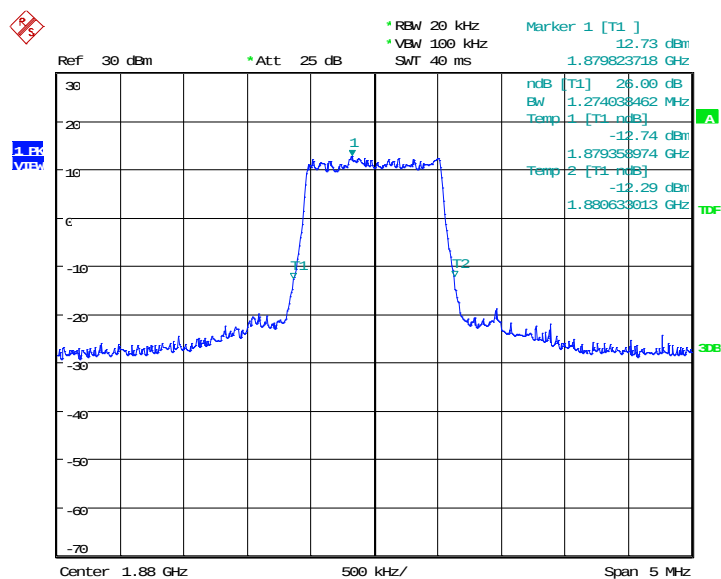
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	1298.08	1274.04

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



Date: 16.NOV.2020 16:58:06

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

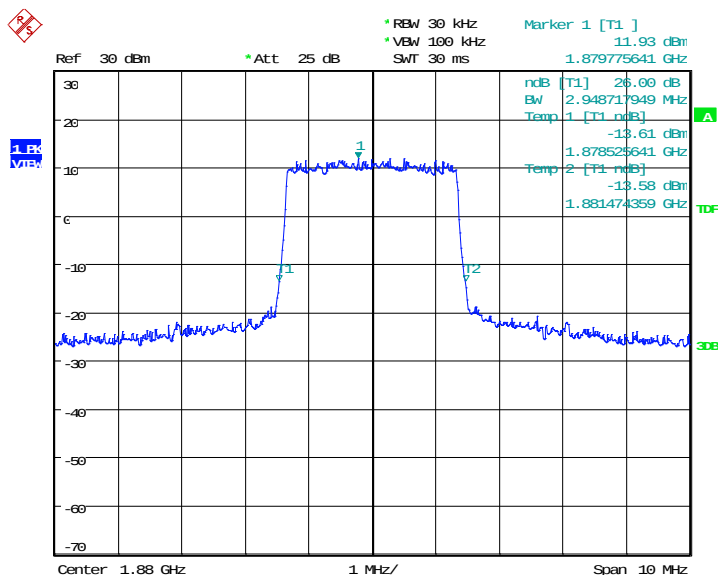


Date: 16.NOV.2020 16:58:22

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

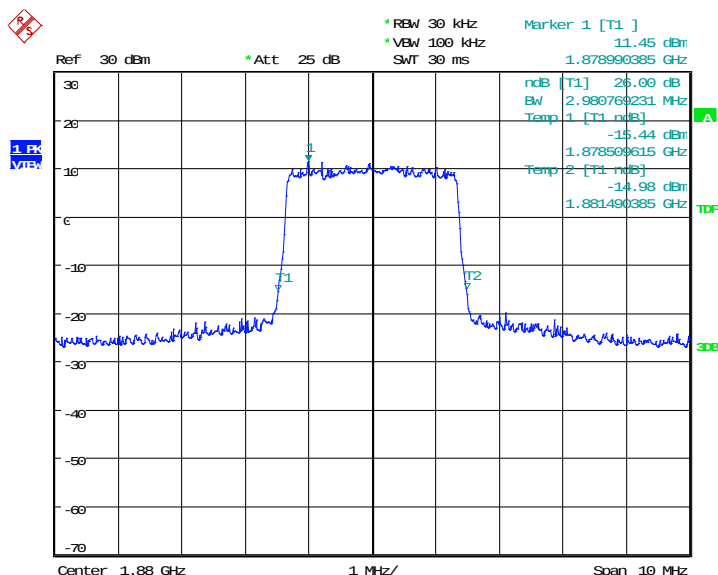
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	2948.72	2980.77

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



Date: 16.NOV.2020 17:00:24

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

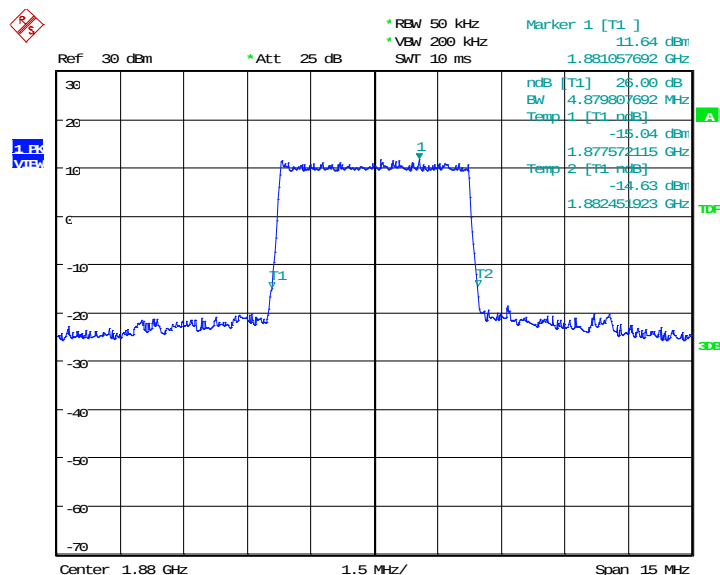


Date: 16.NOV.2020 17:00:40

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

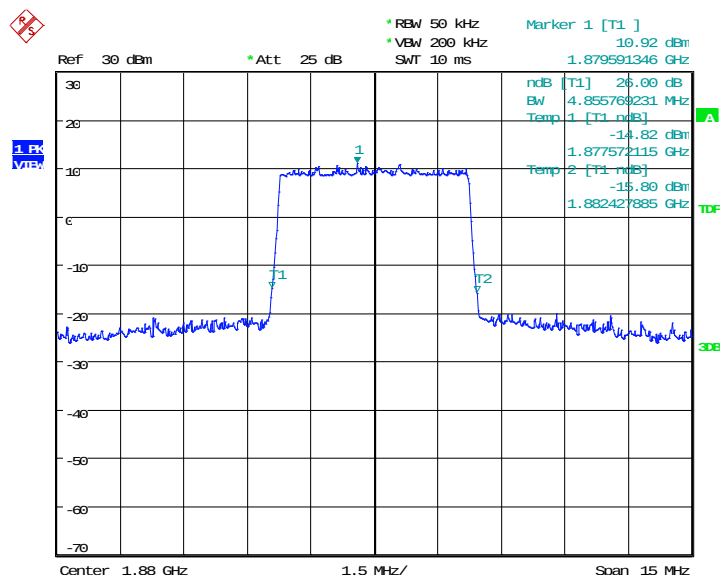
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	4879.81	4855.77

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



Date: 16.NOV.2020 17:02:42

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

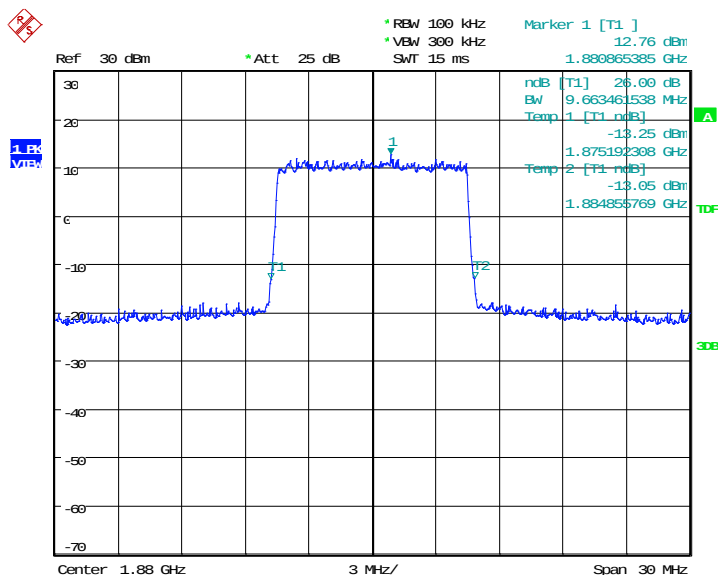


Date: 16.NOV.2020 17:02:58

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

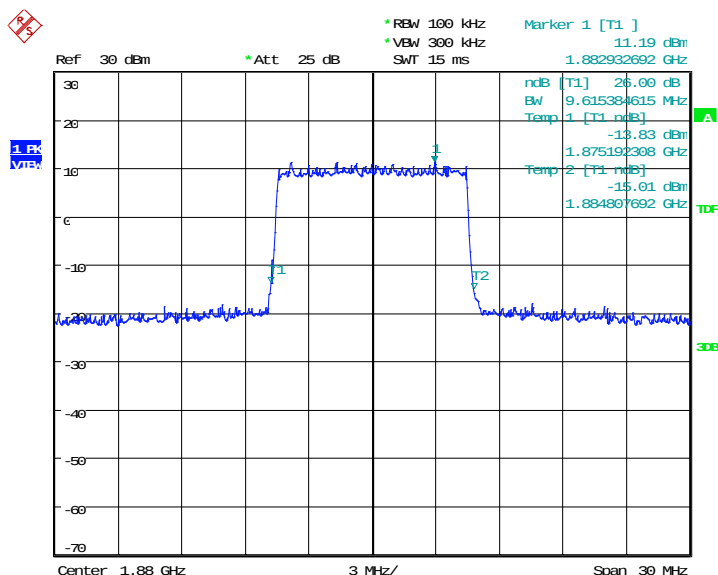
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	9663.46	9615.38

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



Date: 16.NOV.2020 17:05:00

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

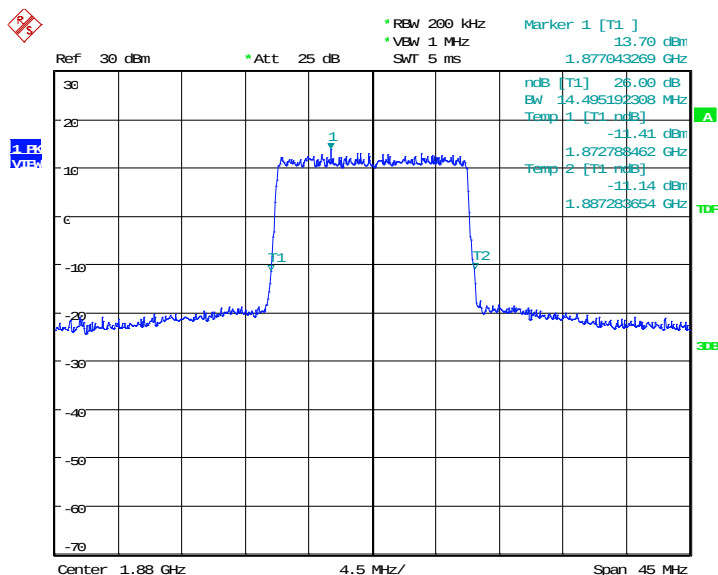


Date: 16.NOV.2020 17:05:16

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

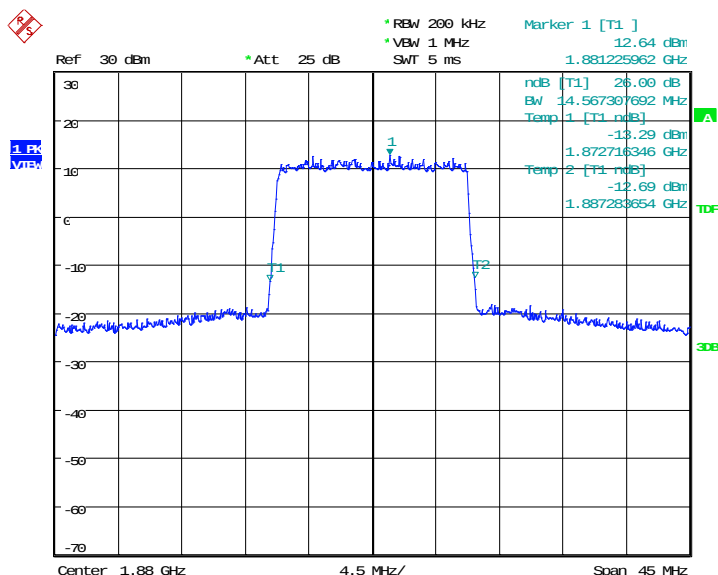
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	14495.19	14567.31

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



Date: 16.NOV.2020 17:07:18

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

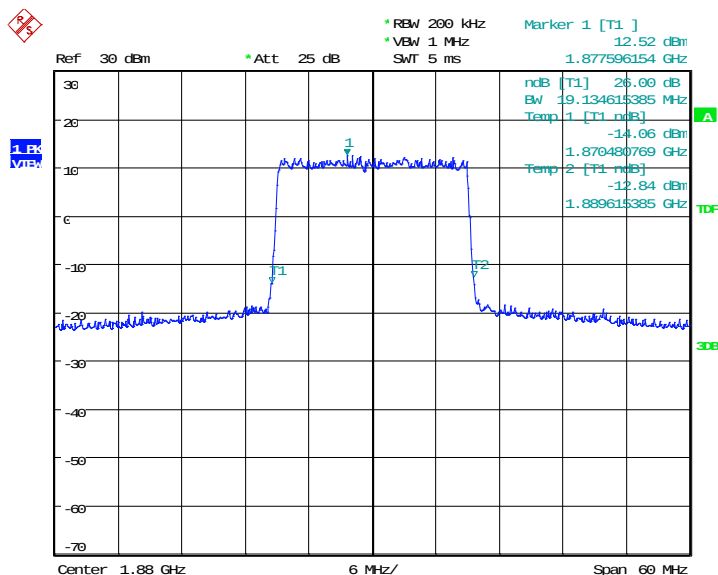


Date: 16.NOV.2020 17:07:34

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

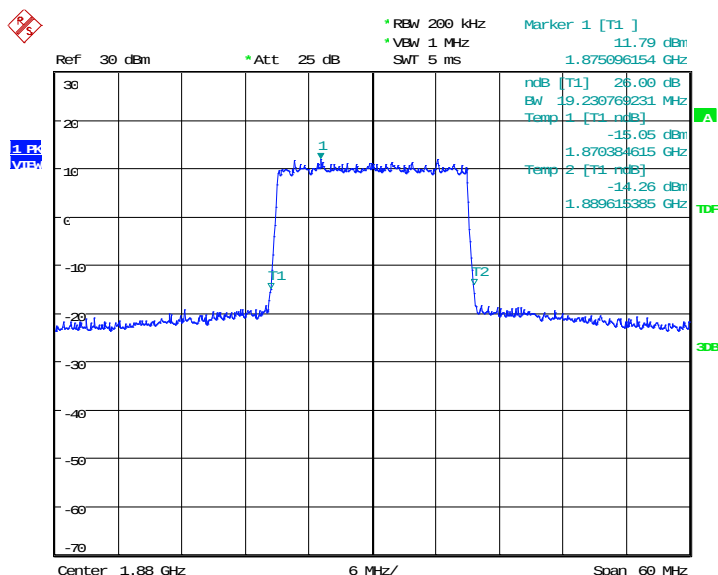
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1880.0	QPSK	16QAM
	19134.62	19230.77

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



Date: 16.NOV.2020 17:09:37

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

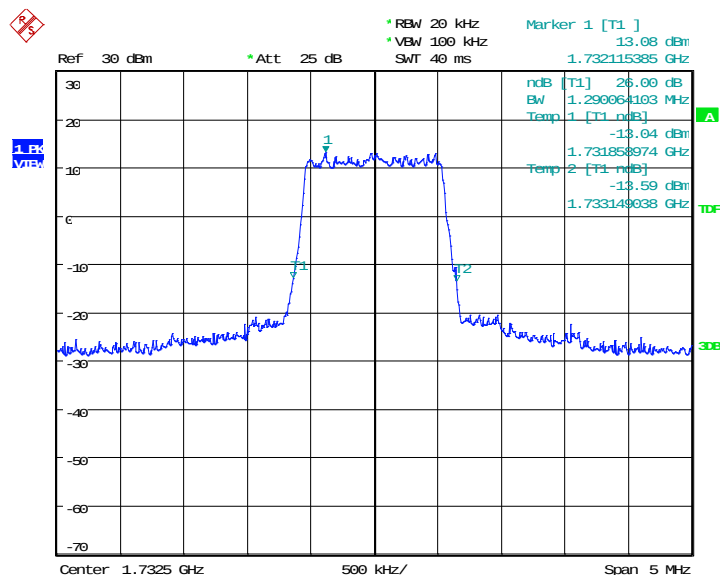


Date: 16.NOV.2020 17:09:52

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

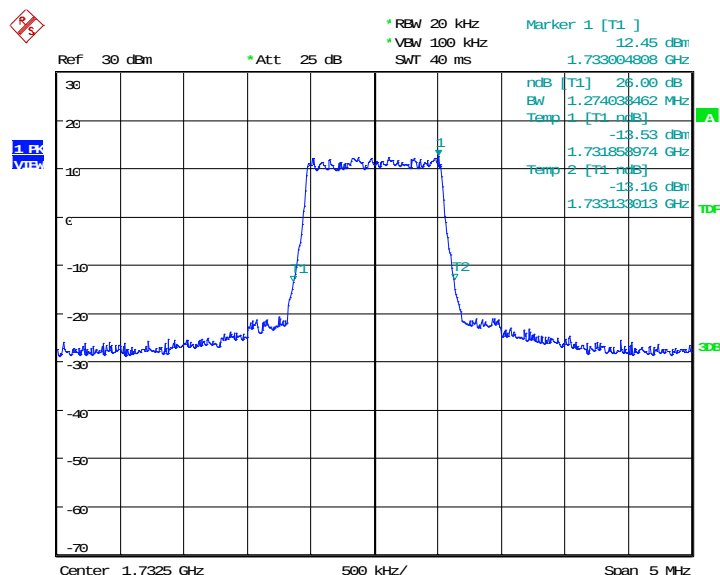
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	1290.06	1274.04

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



Date: 16.NOV.2020 17:11:58

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

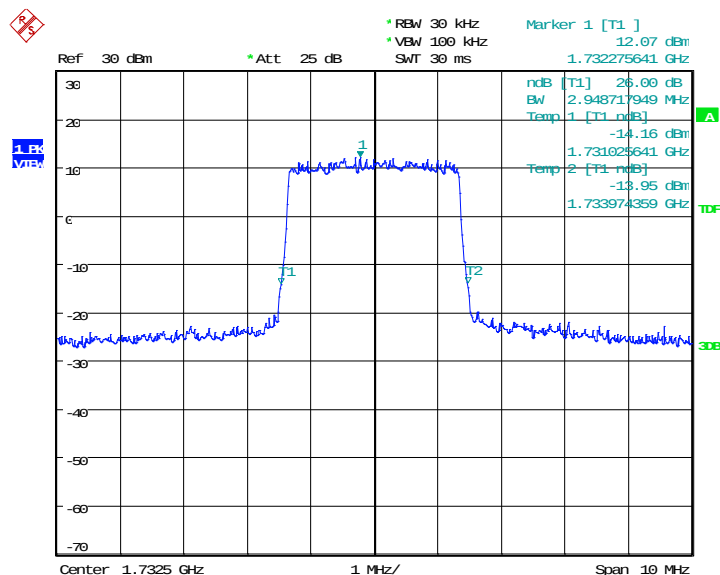


Date: 16.NOV.2020 17:12:14

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

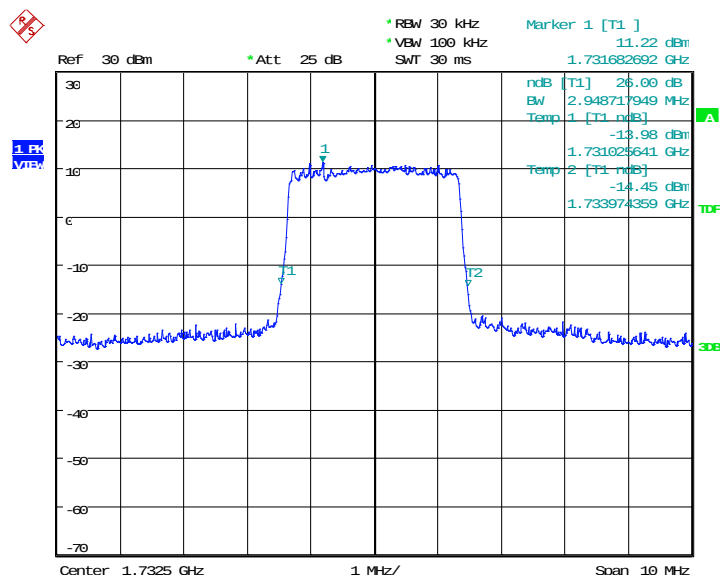
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	2948.72	2948.72

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



Date: 16.NOV.2020 17:14:16

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

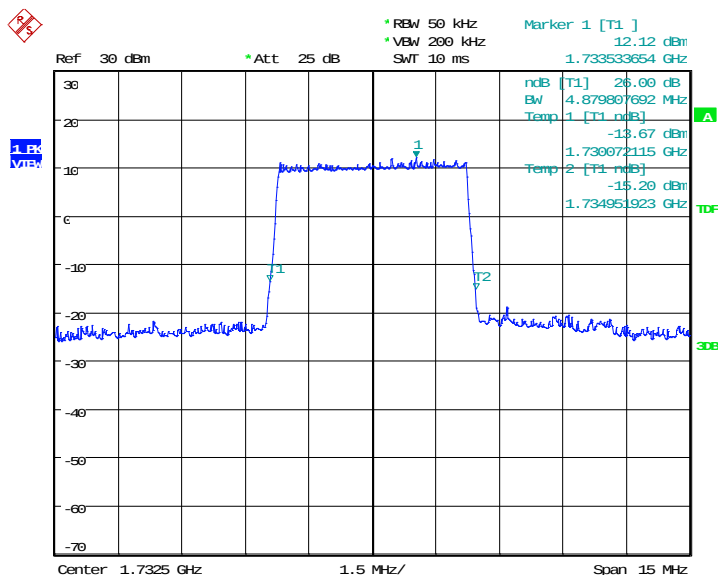


Date: 16.NOV.2020 17:14:32

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

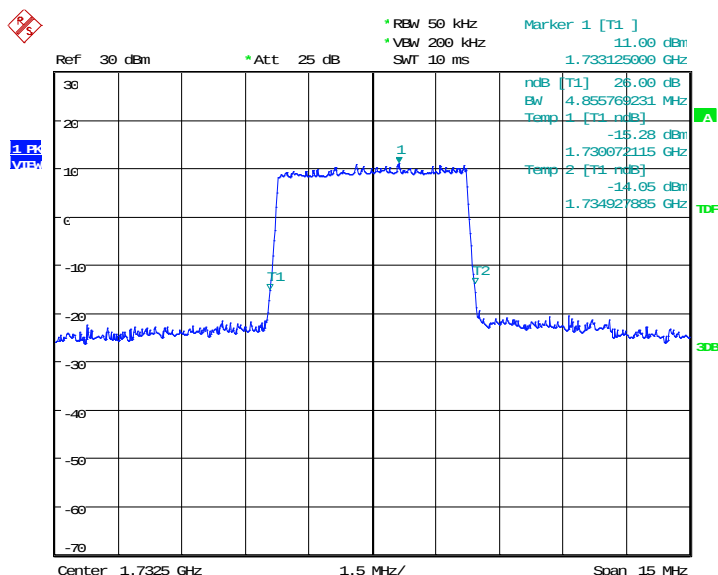
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	4879.81	4855.77

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



Date: 16.NOV.2020 17:16:34

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

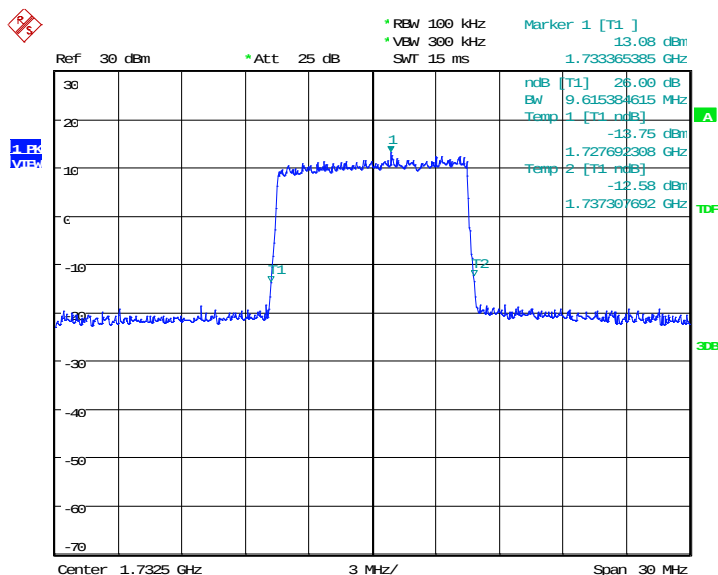


Date: 16.NOV.2020 17:16:50

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

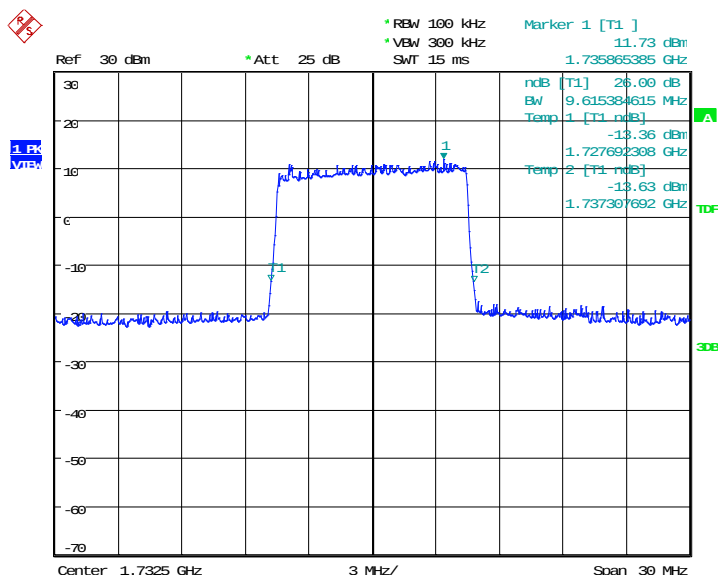
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	9615.38	9615.38

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



Date: 16.NOV.2020 17:18:52

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

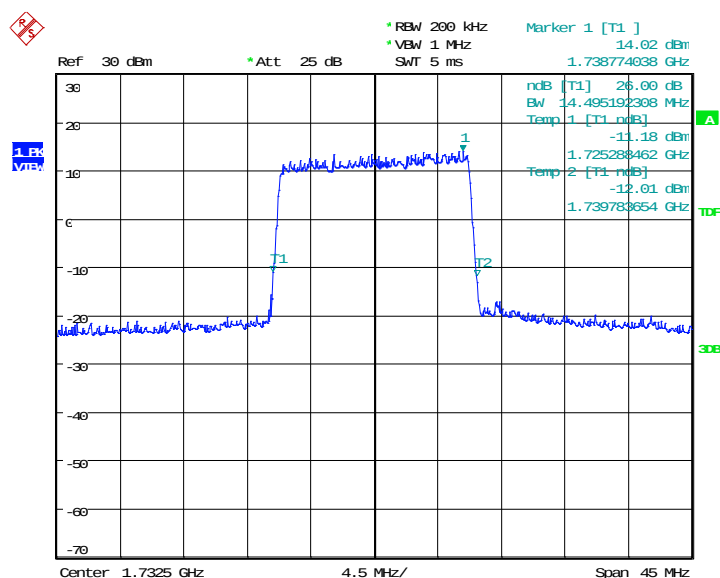


Date: 16.NOV.2020 17:19:08

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

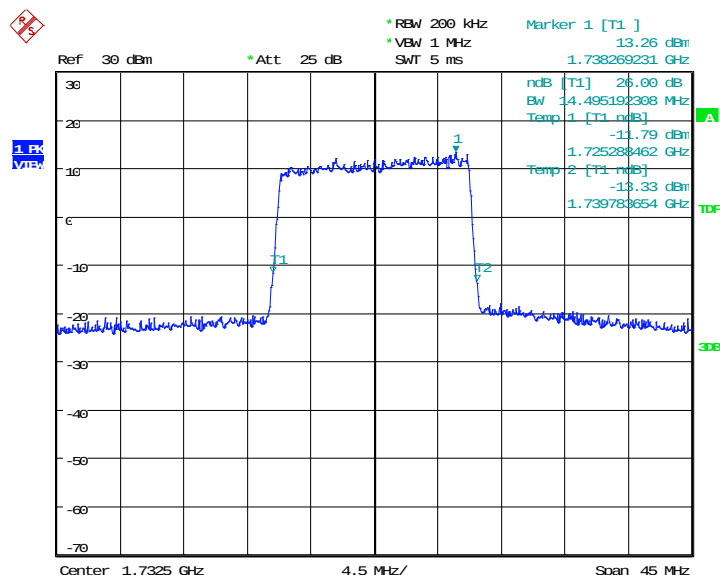
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	14495.19	14495.19

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



Date: 16.NOV.2020 17:21:10

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

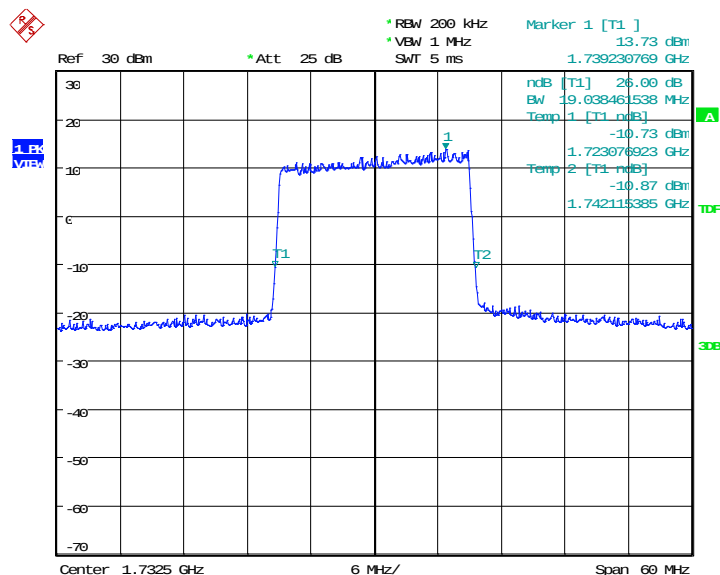


Date: 16.NOV.2020 17:21:26

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

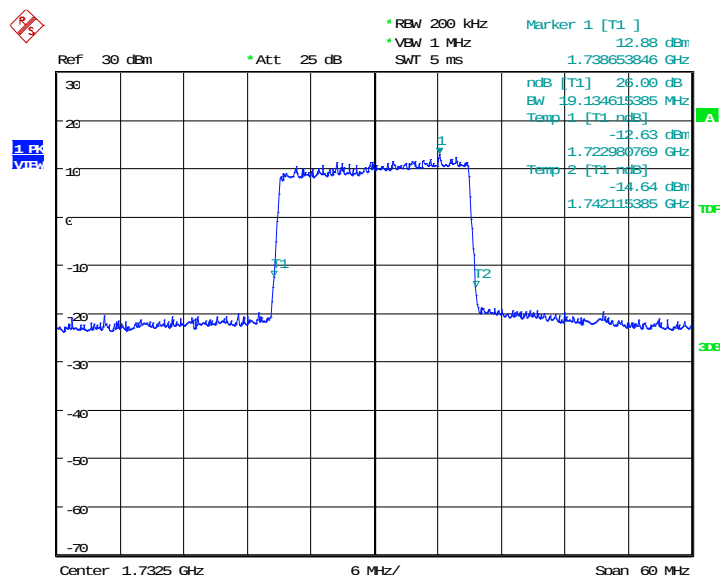
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1732.5	QPSK	16QAM
	19038.46	19134.62

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



Date: 16.NOV.2020 17:23:29

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

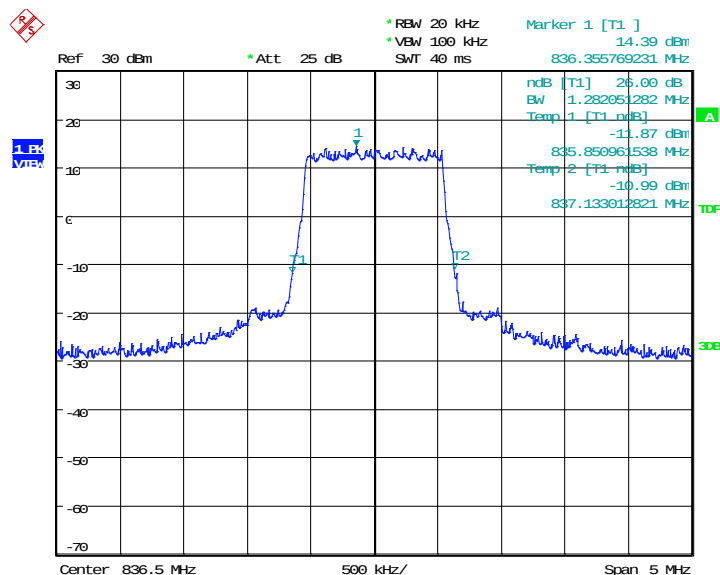


Date: 16.NOV.2020 17:23:44

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

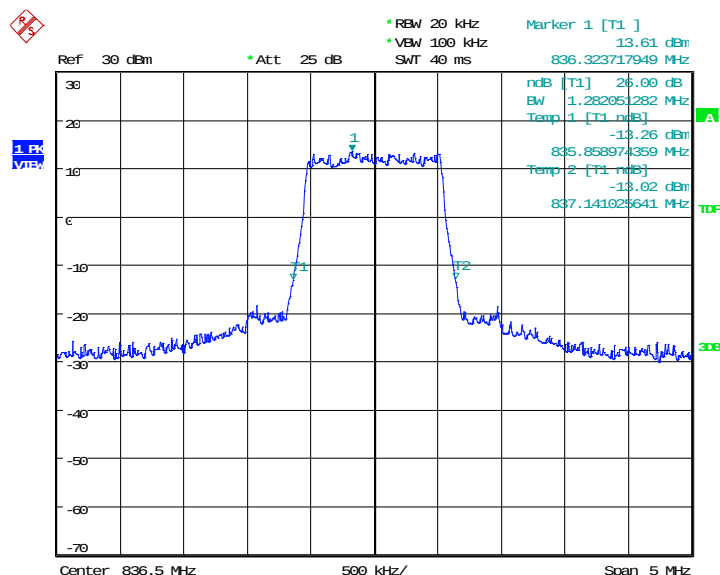
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
	1282.05	1282.05

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



Date: 16.NOV.2020 16:48:51

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

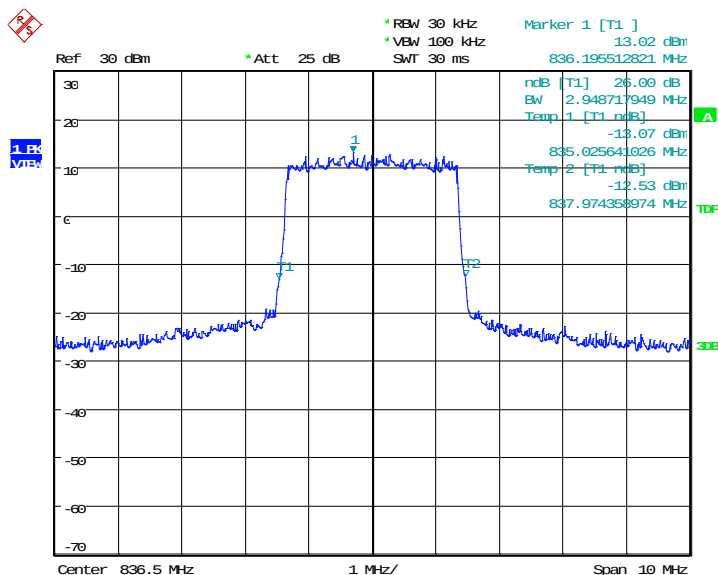


Date: 16.NOV.2020 16:49:07

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

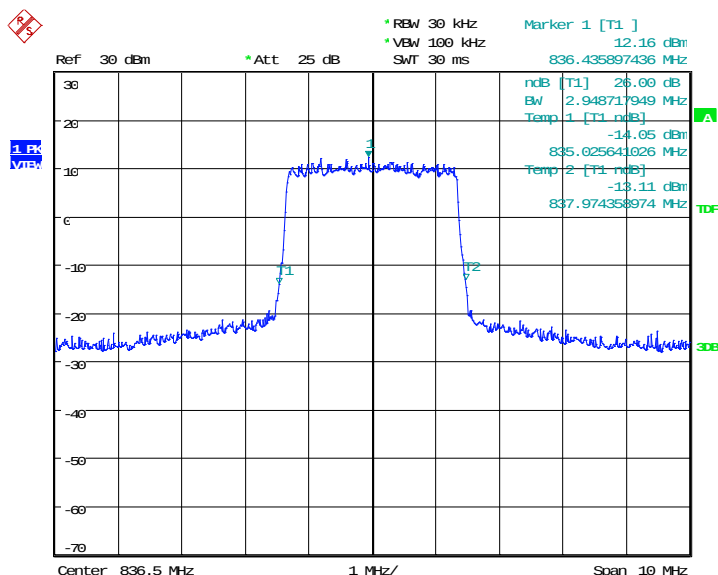
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
	2948.72	2948.72

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



Date: 16.NOV.2020 16:51:09

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

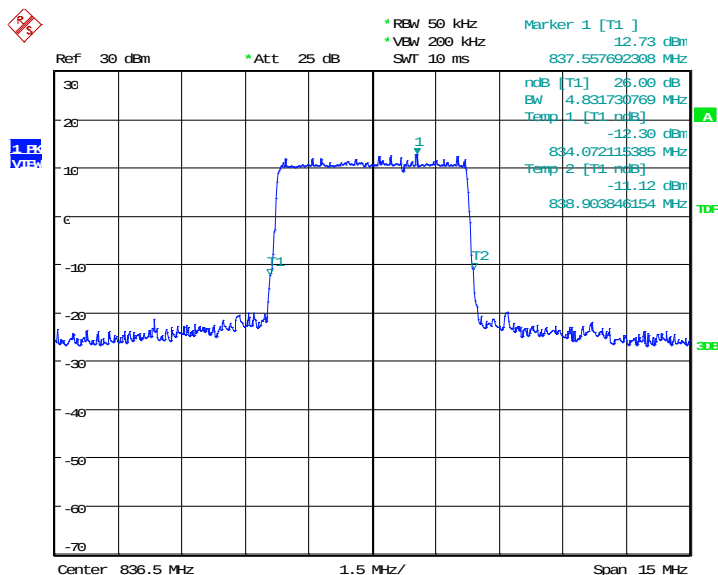


Date: 16.NOV.2020 16:51:24

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

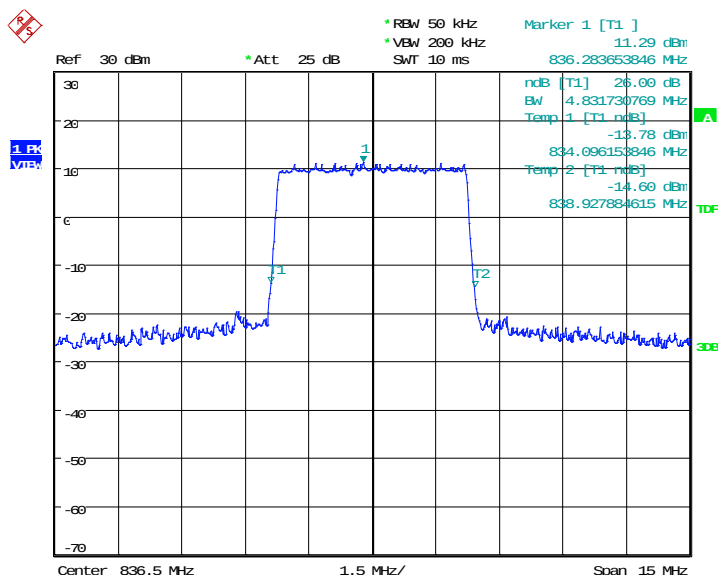
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
	4831.73	4831.73

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



Date: 16.NOV.2020 16:53:26

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

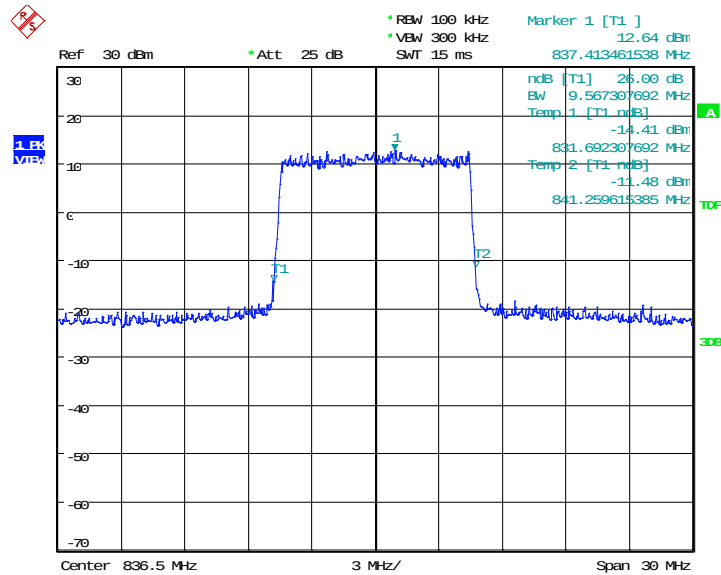


Date: 16.NOV.2020 16:53:42

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

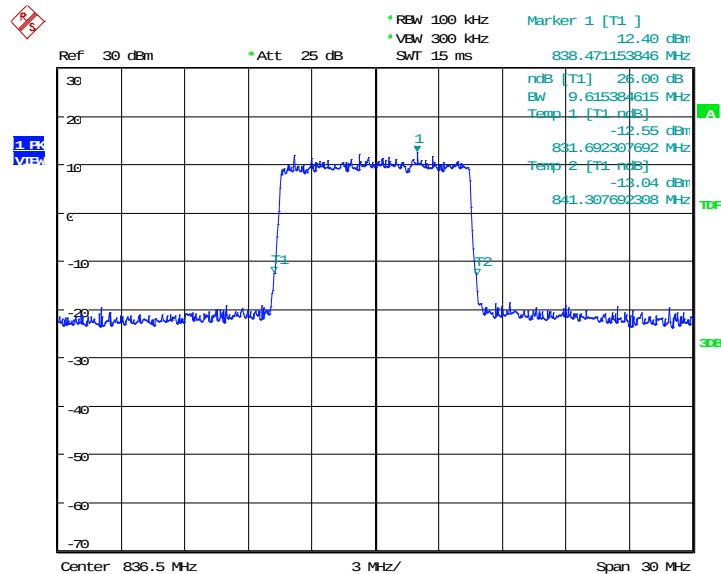
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
	9567.31	9615.38

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



Date: 16.NOV.2020 16:55:44

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

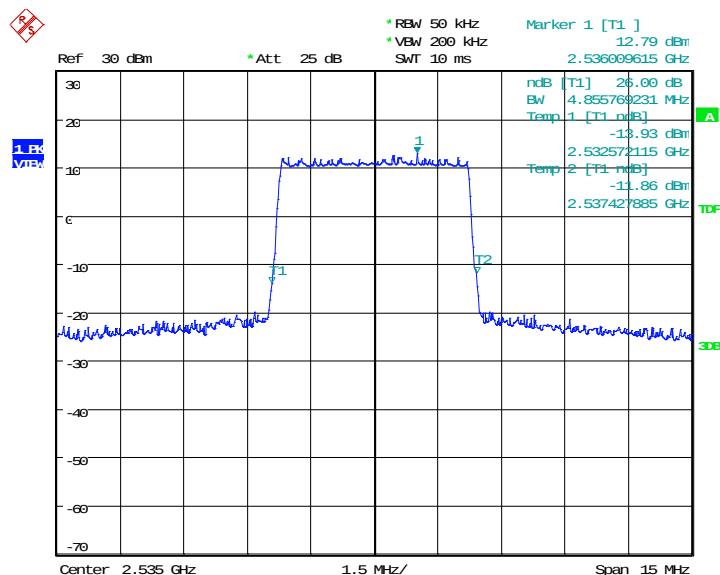


Date: 16.NOV.2020 16:56:00

LTE band 7, 5MHz (-26dBc BW)

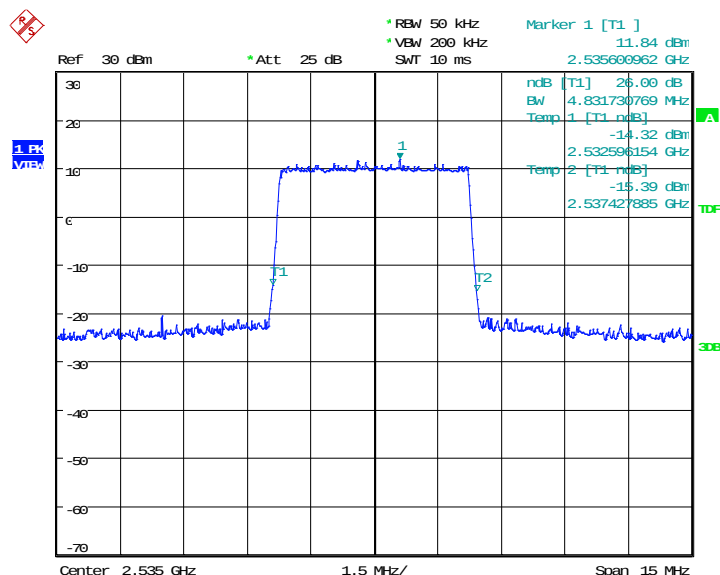
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	4855.77	4831.73

LTE band 7, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:30:17

LTE band 7, 5MHz Bandwidth,16QAM (-26dBc BW)

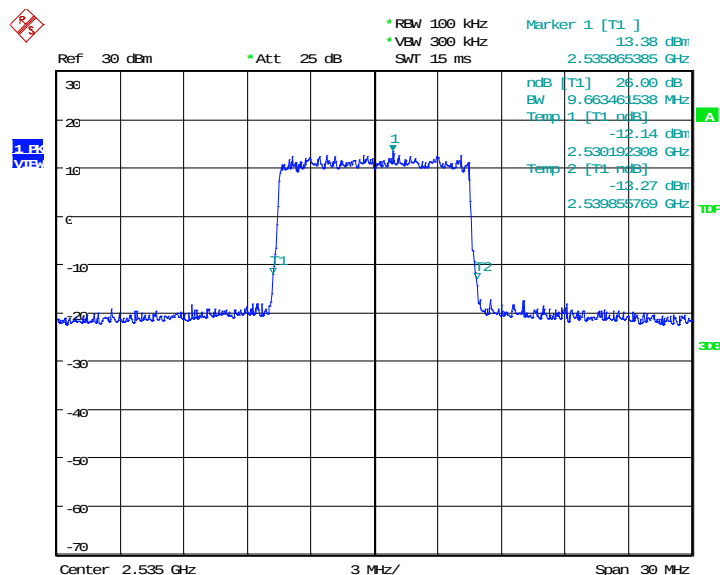


Date: 16.NOV.2020 16:30:33

LTE band 7, 10MHz (-26dBc BW)

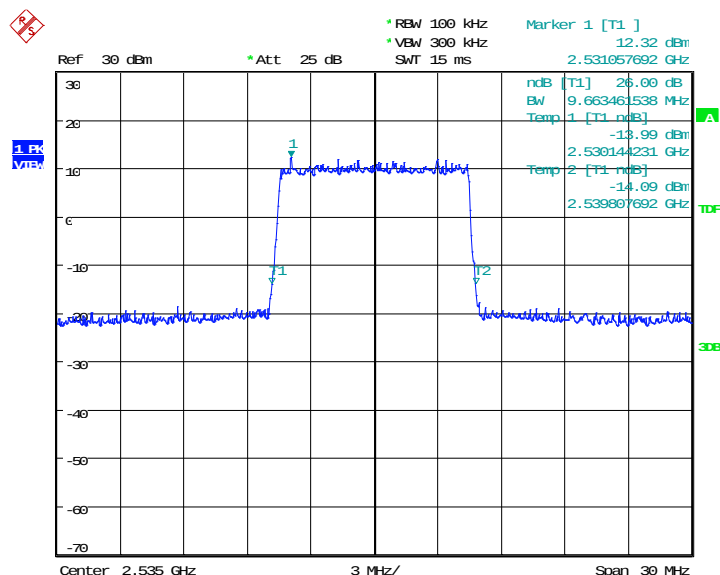
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	9663.46	9663.46

LTE band 7, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:32:35

LTE band 7, 10MHz Bandwidth, 16QAM (-26dBc BW)

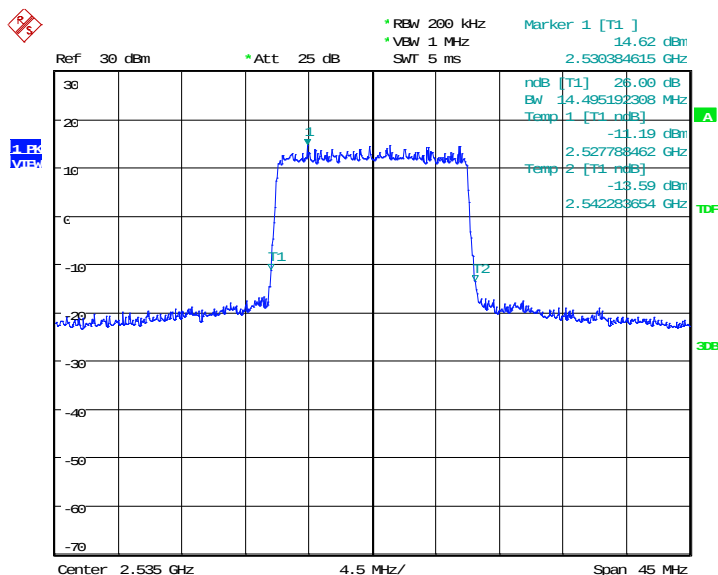


Date: 16.NOV.2020 16:32:51

LTE band 7, 15MHz (-26dBc BW)

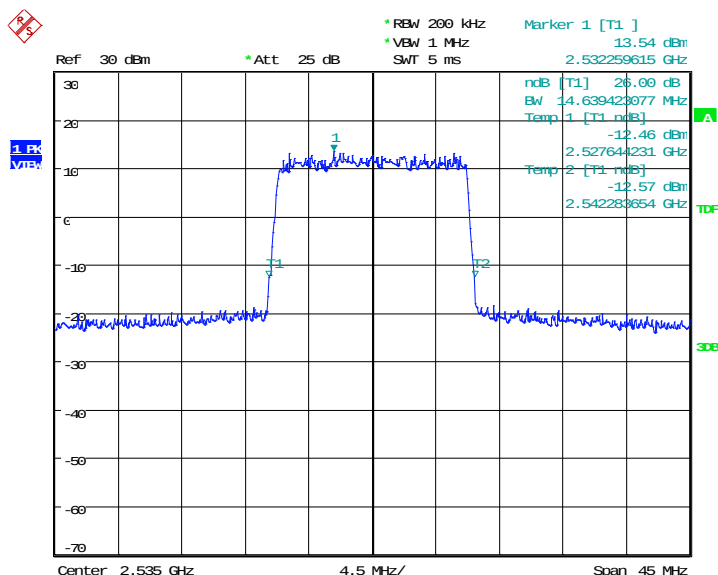
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	14495.19	14639.42

LTE band 7, 15MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:34:53

LTE band 7, 15MHz Bandwidth, 16QAM (-26dBc BW)

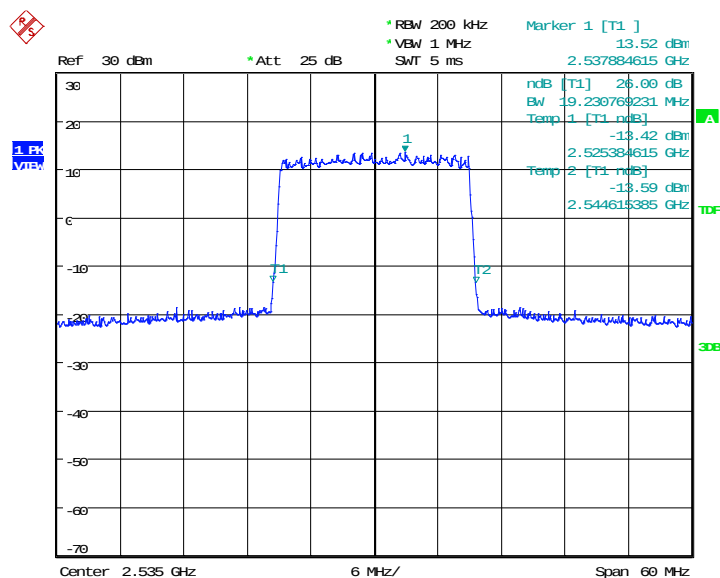


Date: 16.NOV.2020 16:35:09

LTE band 7, 20MHz (-26dBc BW)

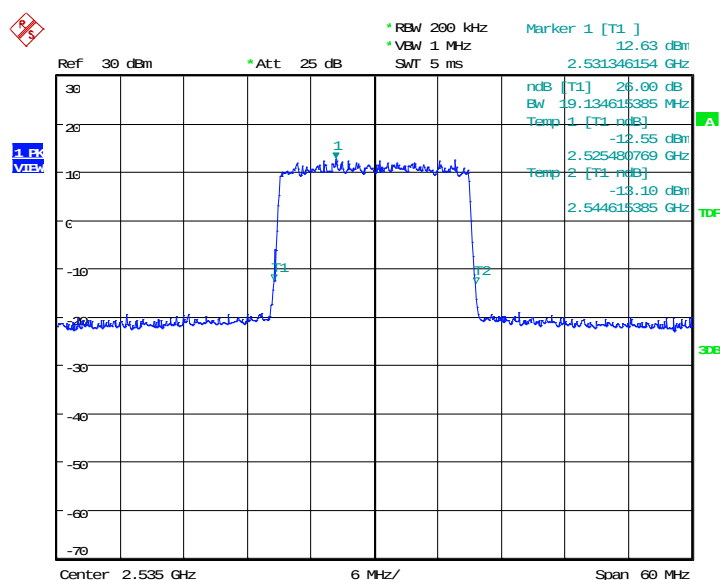
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	19230.77	19134.62

LTE band 7, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:37:12

LTE band 7, 20MHz Bandwidth, 16QAM (-26dBc BW)



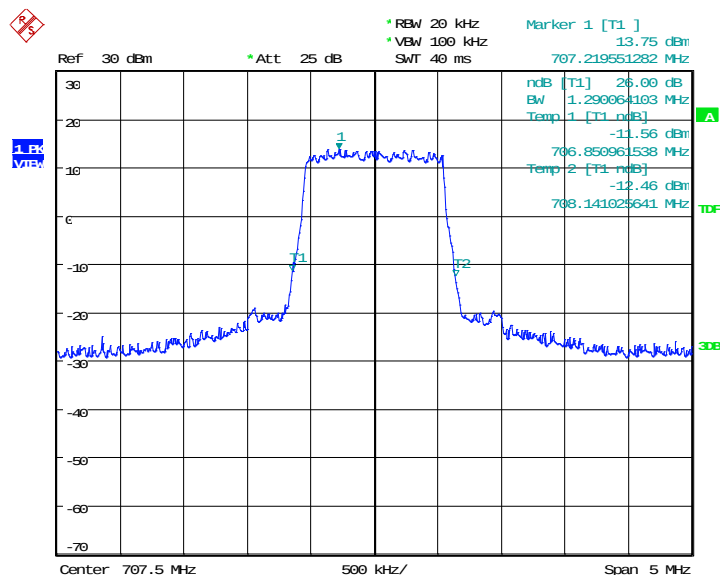
Date: 16.NOV.2020 16:37:27

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

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

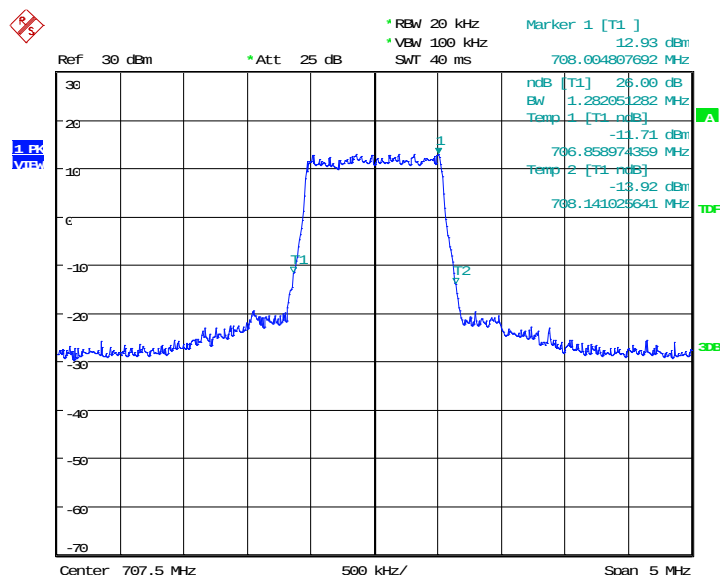
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
	1290.06	1282.05

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



Date: 16.NOV.2020 17:25:48

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

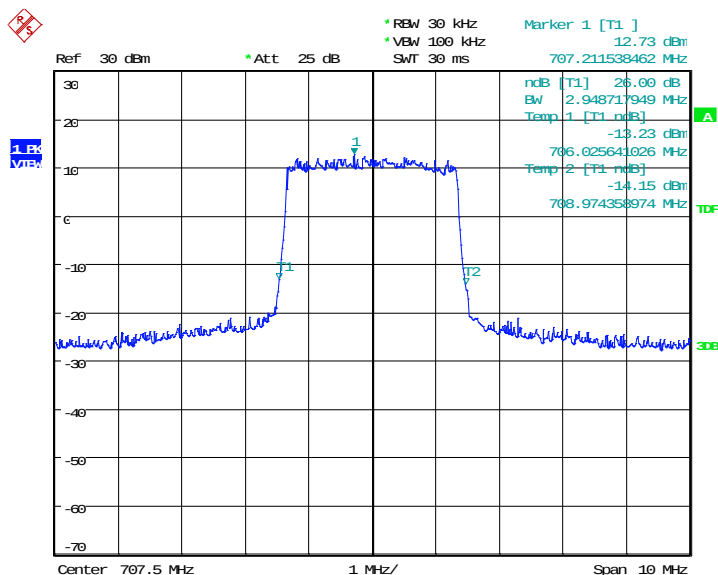


Date: 16.NOV.2020 17:26:04

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

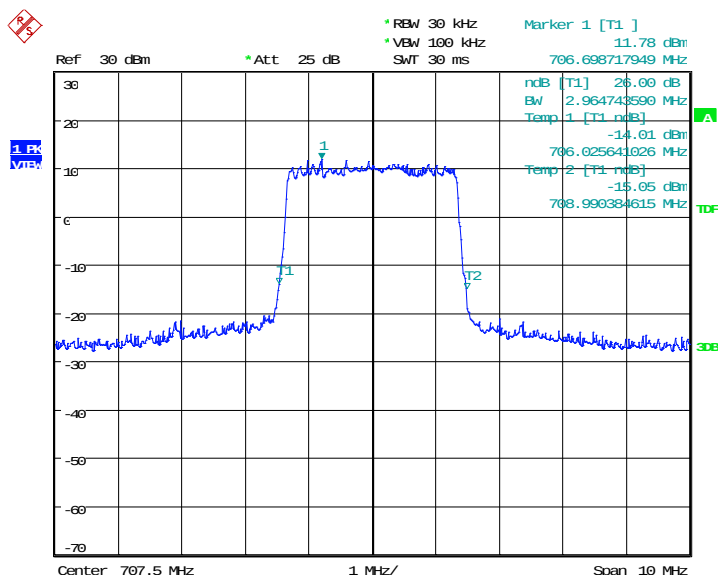
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
	2948.72	2964.74

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



Date: 16.NOV.2020 17:28:06

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

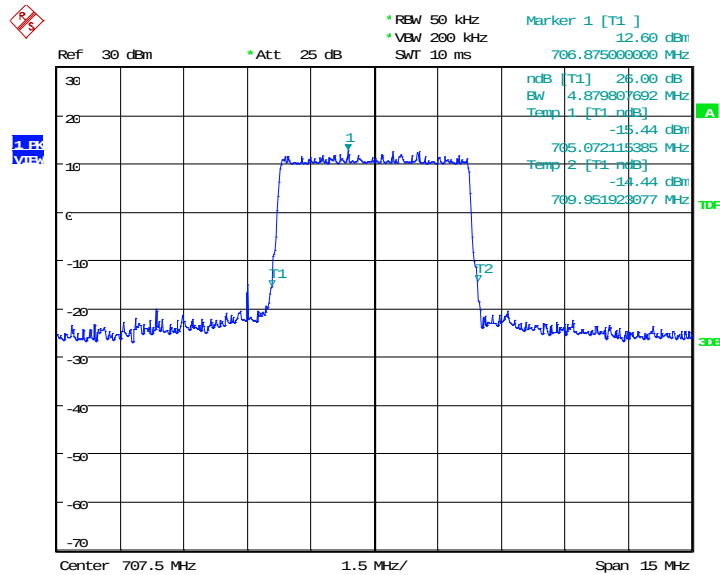


Date: 16.NOV.2020 17:28:22

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

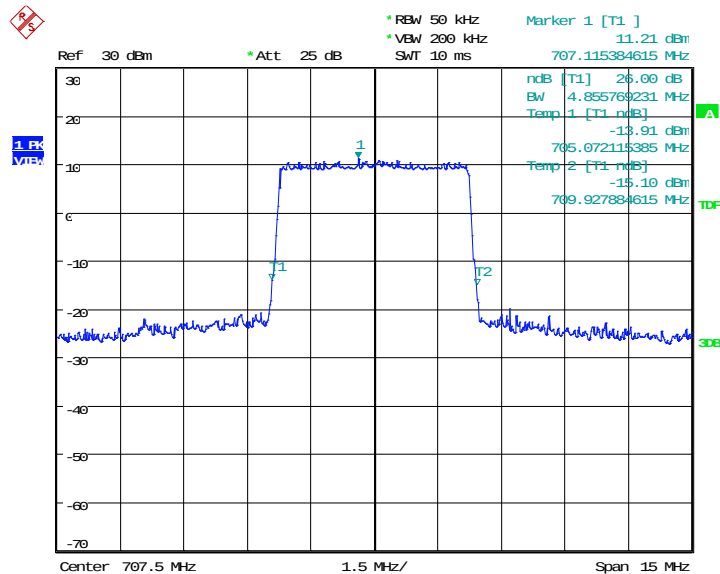
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
	4879.81	4855.77

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



Date: 16.NOV.2020 17:30:24

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

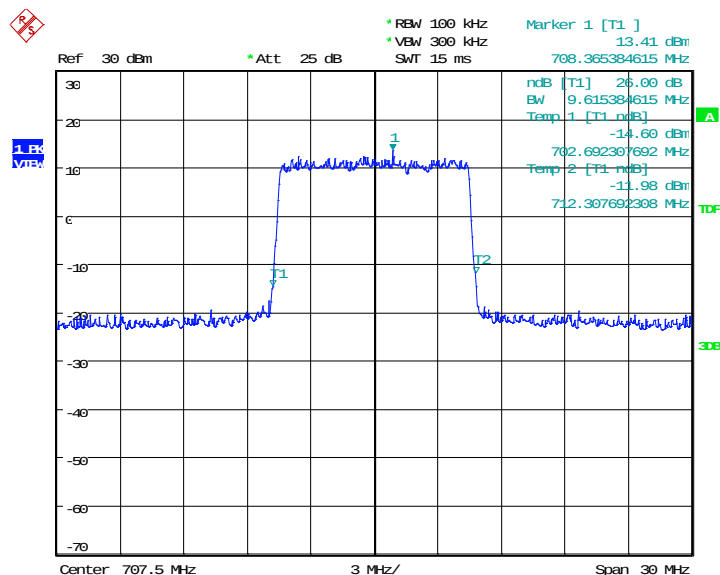


Date: 16.NOV.2020 17:30:40

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

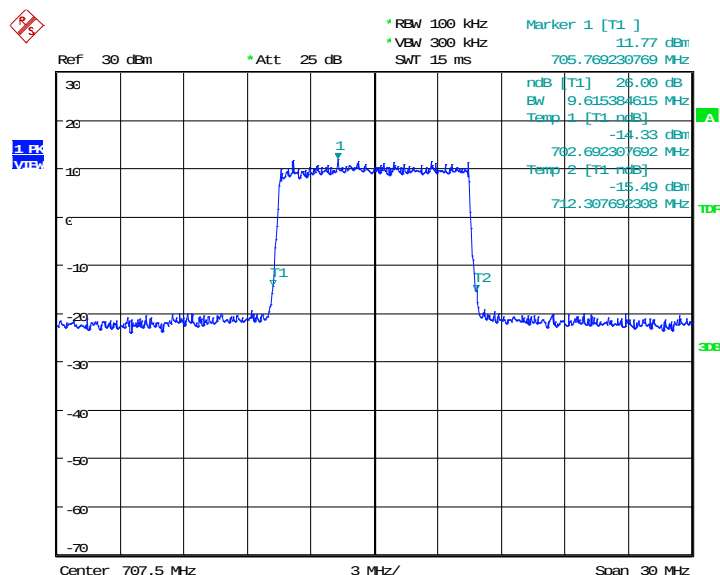
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
707.5	QPSK	16QAM
	9615.38	9615.38

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



Date: 16.NOV.2020 17:32:42

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

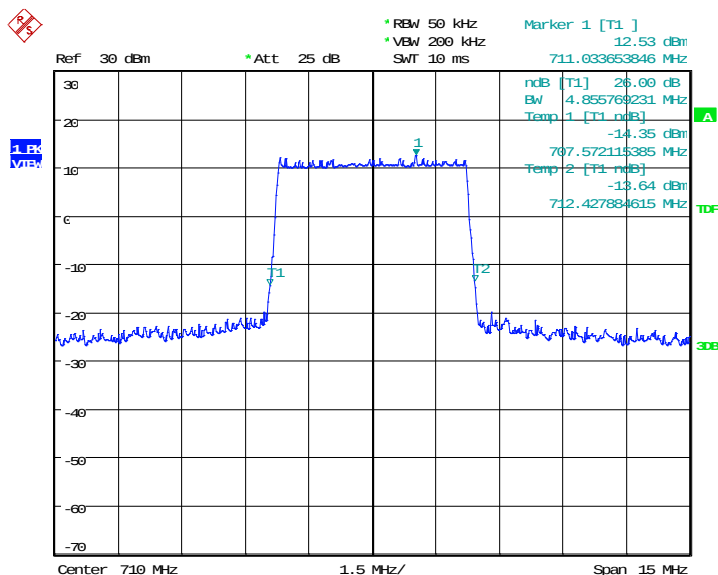


Date: 16.NOV.2020 17:32:58

LTE band 17, 5MHz (-26dBc BW)

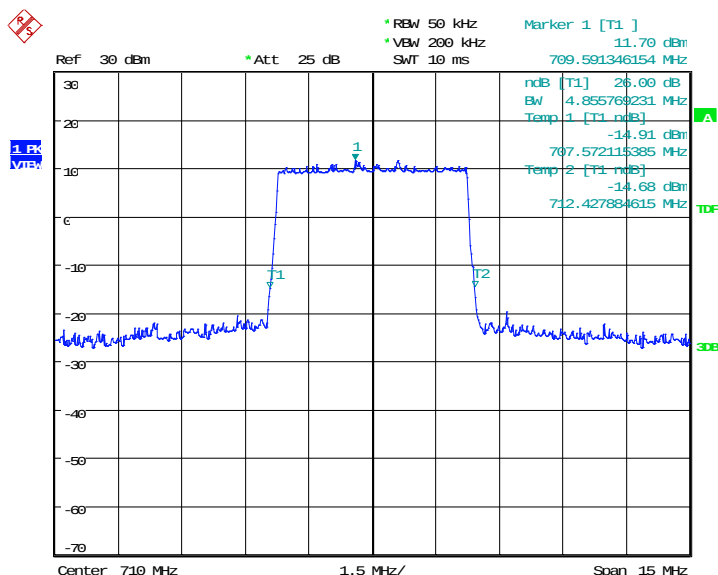
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
710.0	QPSK	16QAM
	4855.77	4855.77

LTE band 17, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 17:35:02

LTE band 17, 5MHz Bandwidth,16QAM (-26dBc BW)

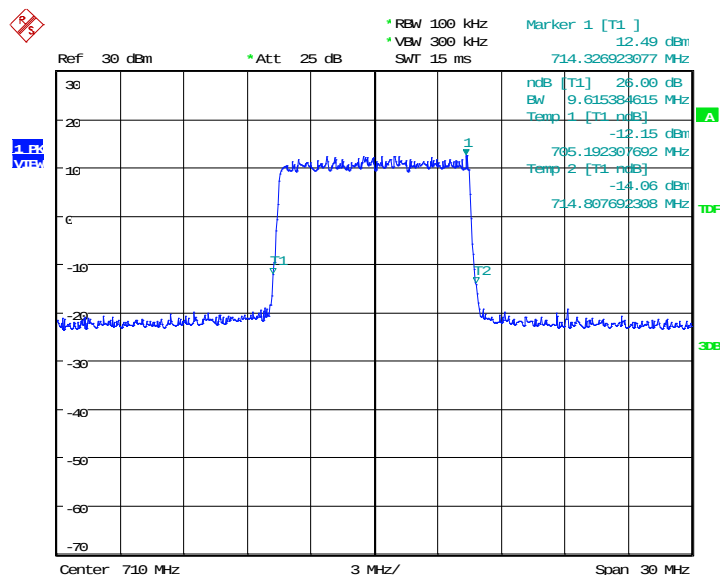


Date: 16.NOV.2020 17:35:17

LTE band 17, 10MHz (-26dBc BW)

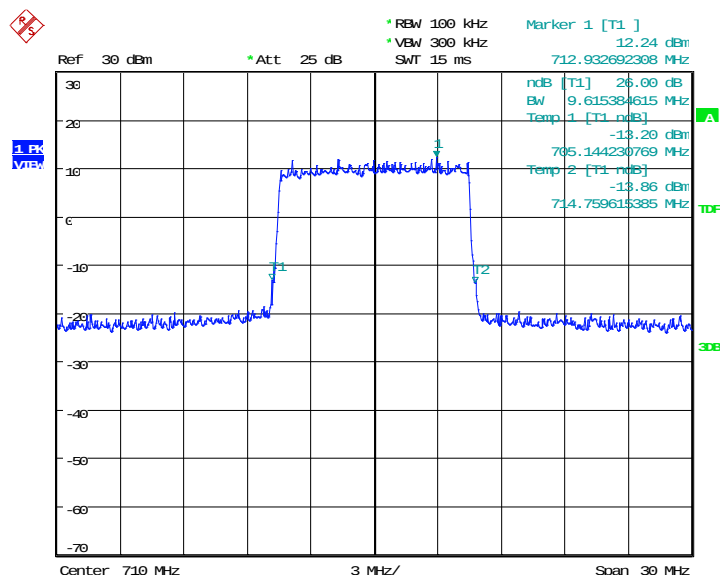
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
710.0	QPSK	16QAM
	9615.38	9615.38

LTE band 17, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 17:37:19

LTE band 17, 10MHz Bandwidth, 16QAM (-26dBc BW)

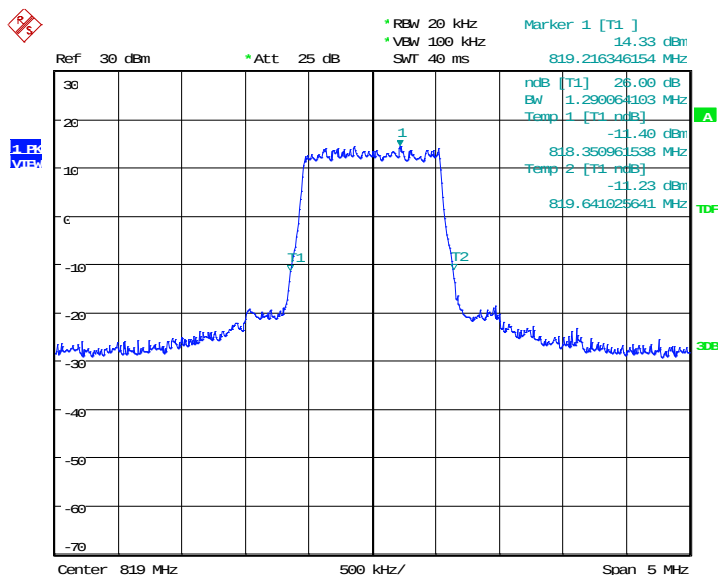


Date: 16.NOV.2020 17:37:35

LTE band 26(814MHz-824MHz), 1.4MHz (-26dBc BW)

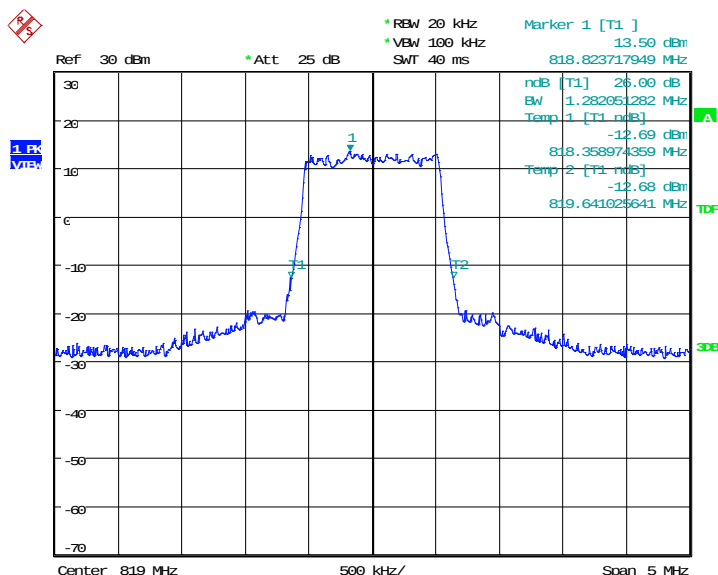
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
819.0	QPSK	16QAM
	1290.06	1282.05

LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 18:07:22

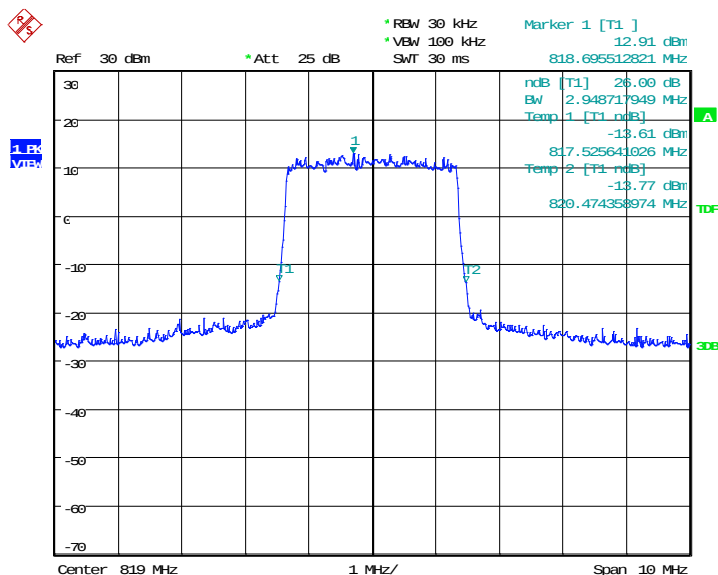
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



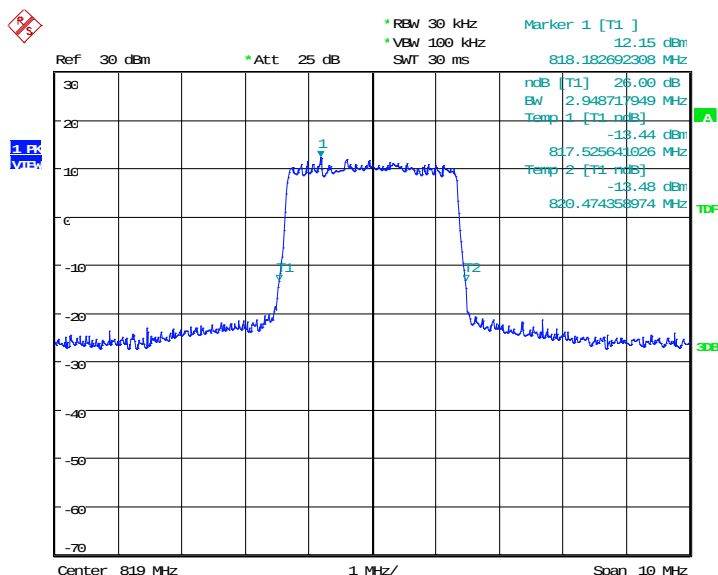
Date: 16.NOV.2020 18:07:37

LTE band 26(814MHz-824MHz), 3MHz (-26dBc BW)

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
819.0	QPSK	16QAM
	2948.72	2948.72

LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (-26dBc BW)


Date: 16.NOV.2020 18:09:39

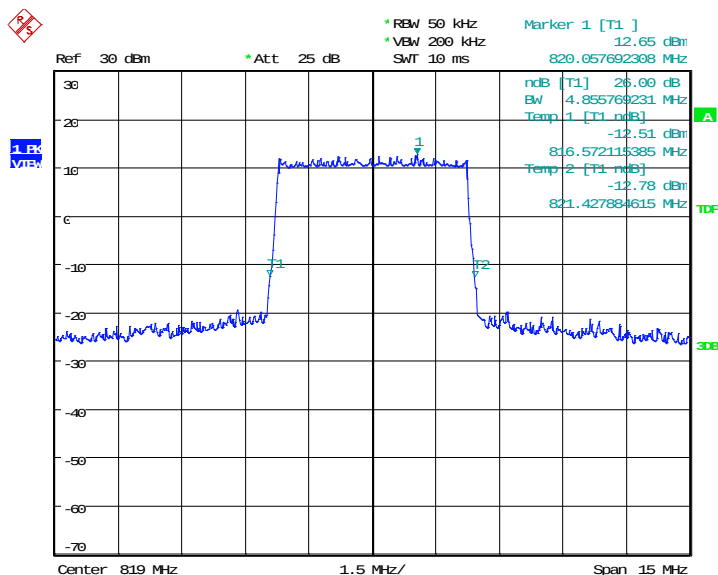
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)


Date: 16.NOV.2020 18:09:55

LTE band 26(814MHz-824MHz), 5MHz (-26dBc BW)

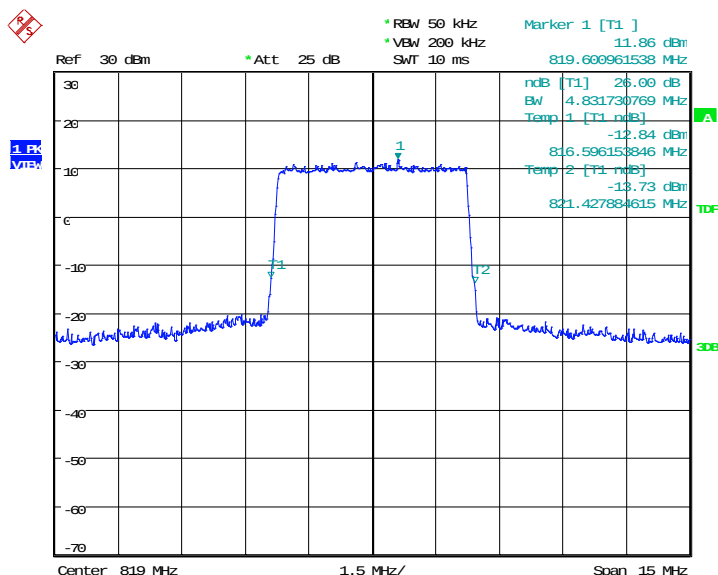
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
819.0	QPSK	16QAM
	4855.77	4831.73

LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 18:11:57

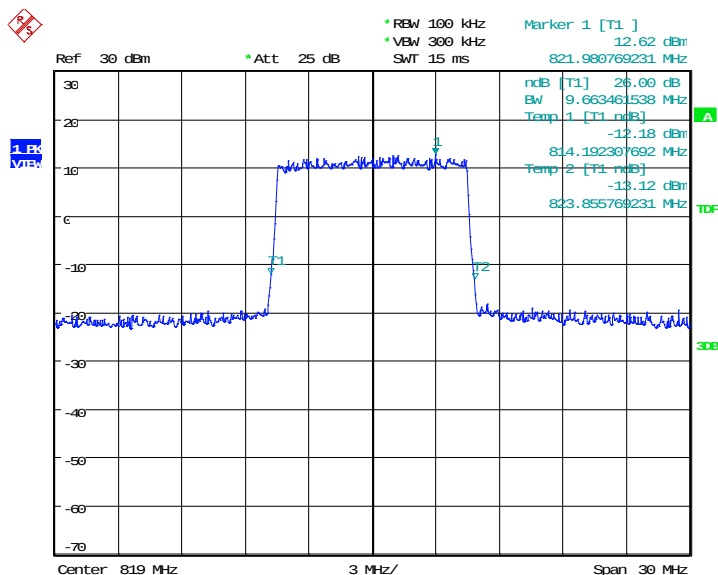
LTE band 26(814MHz-824MHz), 5MHz Bandwidth, 16QAM (-26dBc BW)



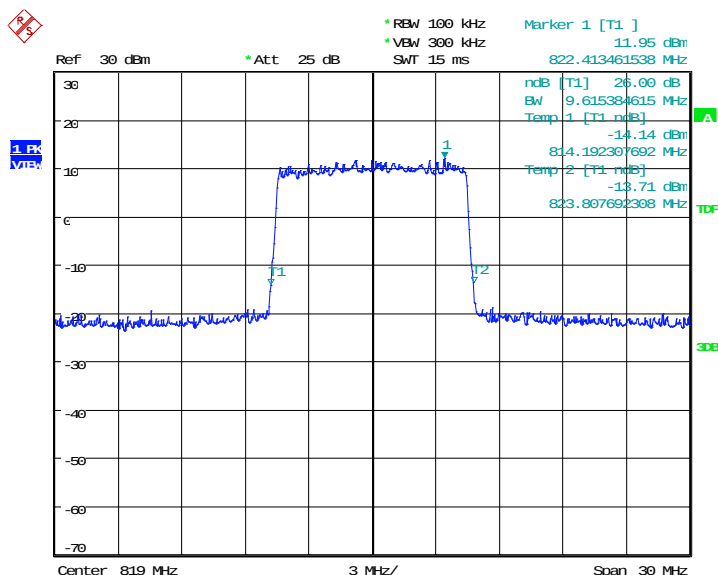
Date: 16.NOV.2020 18:12:13

LTE band 26(814MHz-824MHz), 10MHz (-26dBc BW)

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

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (-26dBc BW)


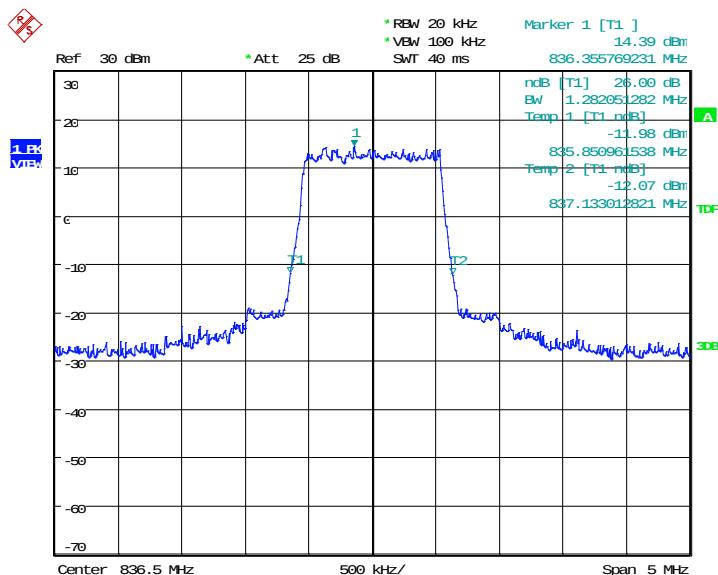
Date: 16.NOV.2020 18:14:15

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)


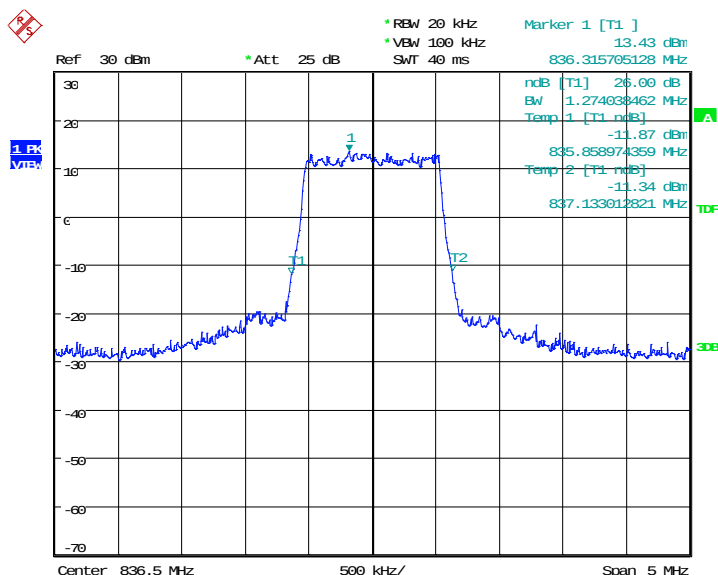
Date: 16.NOV.2020 18:14:31

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

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

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


Date: 16.NOV.2020 17:55:51

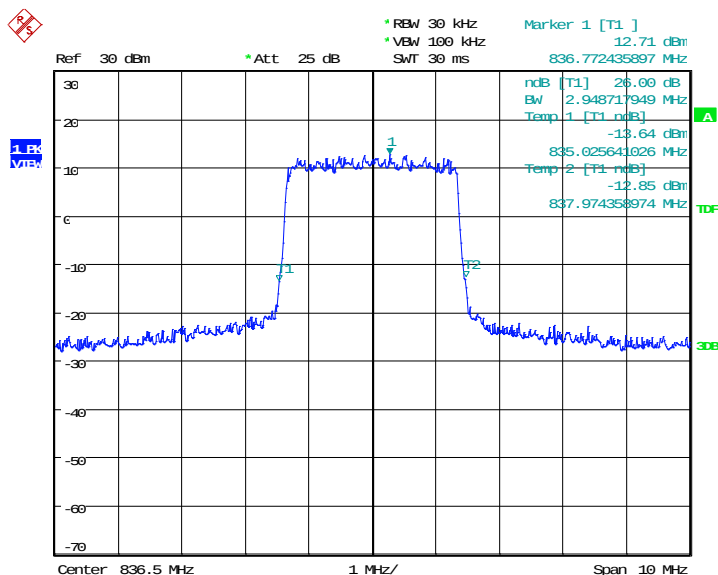
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)


Date: 16.NOV.2020 17:56:07

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

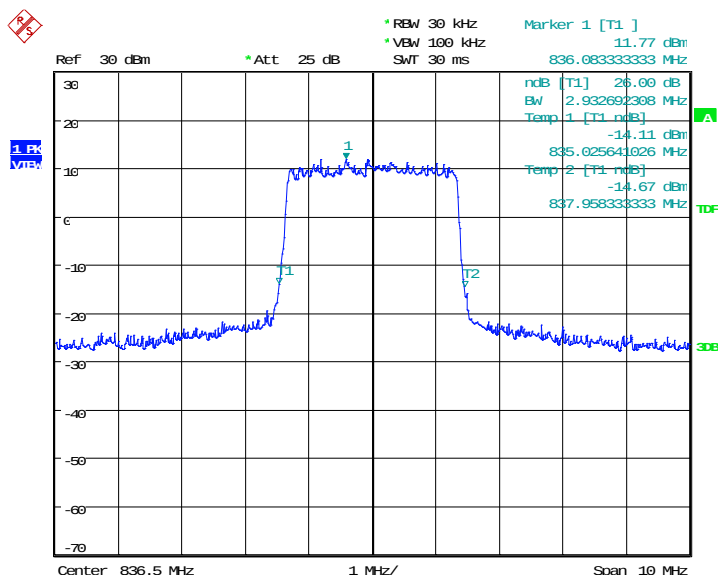
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
836.5	QPSK	16QAM
	2948.72	2932.69

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



Date: 16.NOV.2020 17:58:09

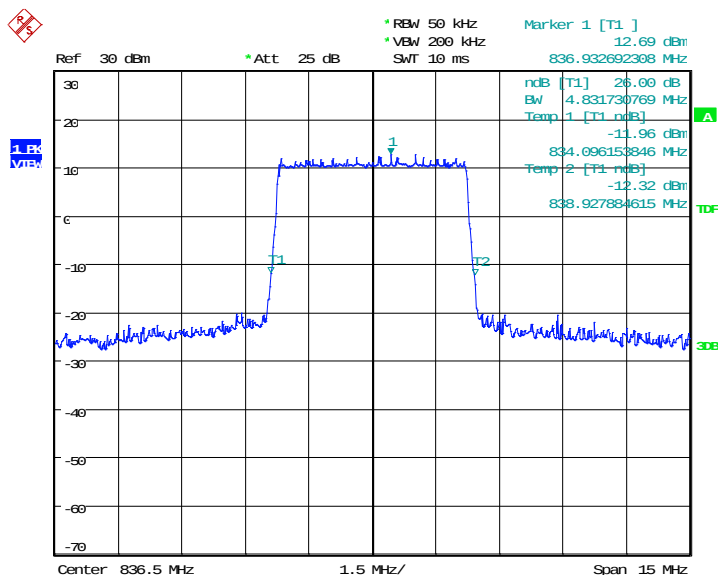
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



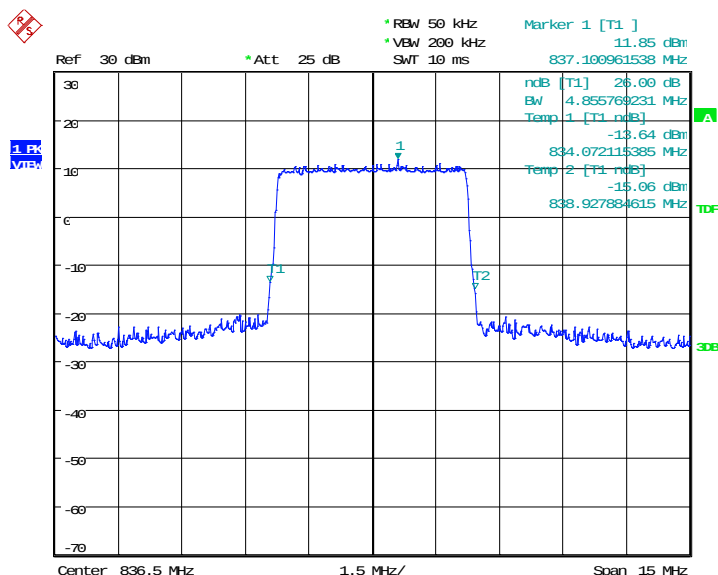
Date: 16.NOV.2020 17:58:24

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

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

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


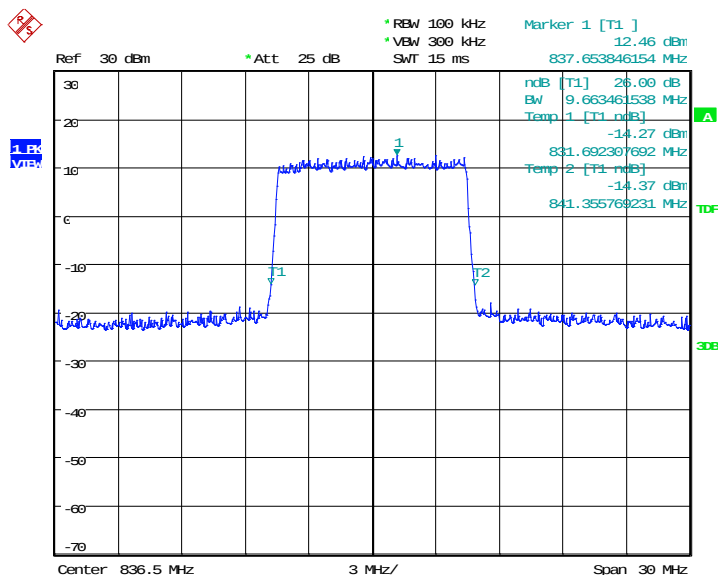
Date: 16.NOV.2020 18:00:26

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


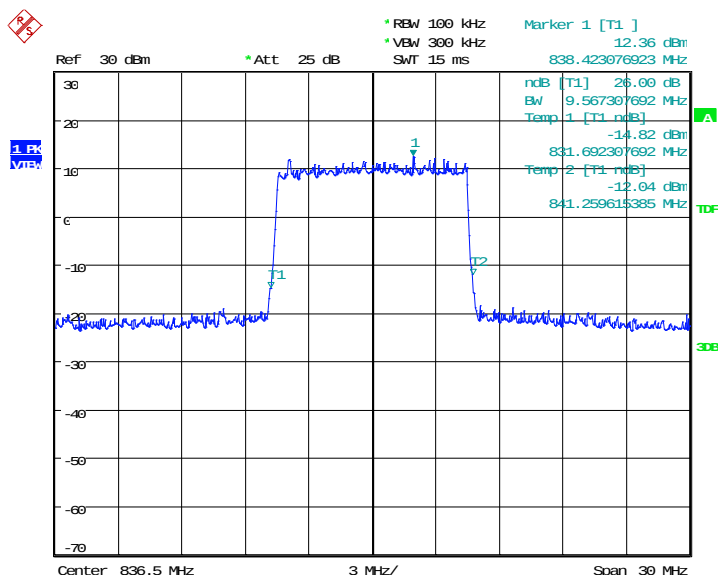
Date: 16.NOV.2020 18:00:42

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

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

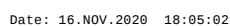
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)


Date: 16.NOV.2020 18:02:44

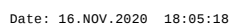
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)


Date: 16.NOV.2020 18:03:00

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



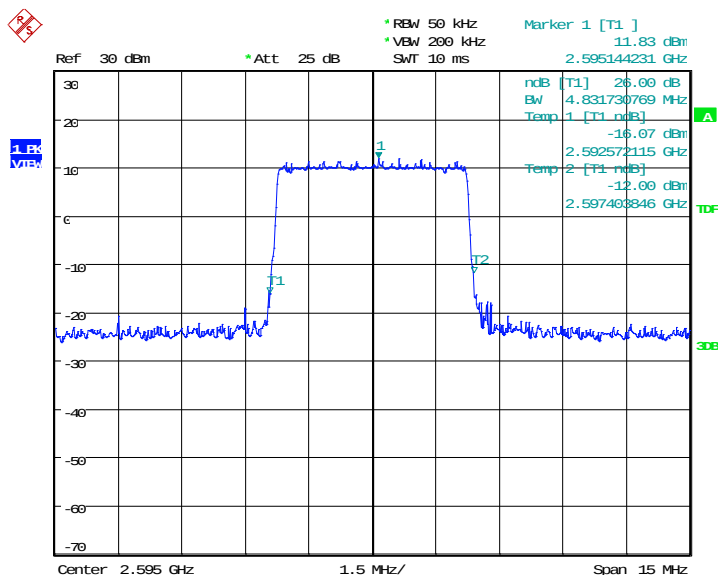
LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)



LTE band 38, 5MHz (-26dBc BW)

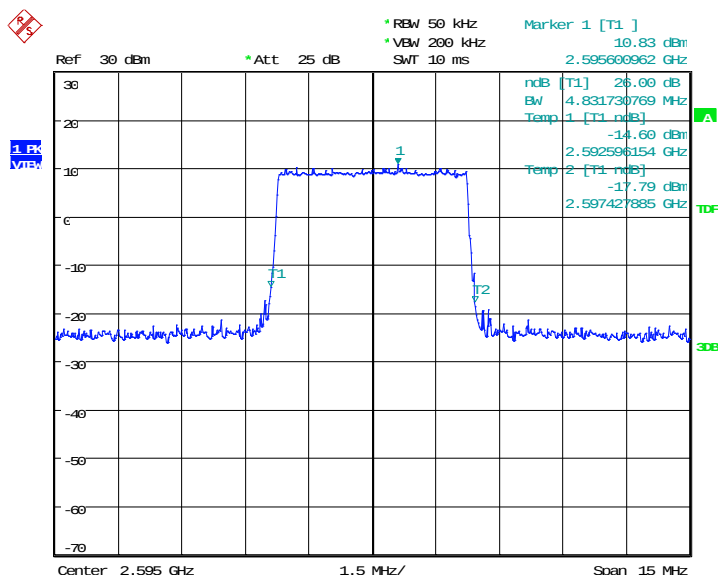
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	4831.73	4831.73

LTE band 38, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:39:34

LTE band 38, 5MHz Bandwidth, 16QAM (-26dBc BW)

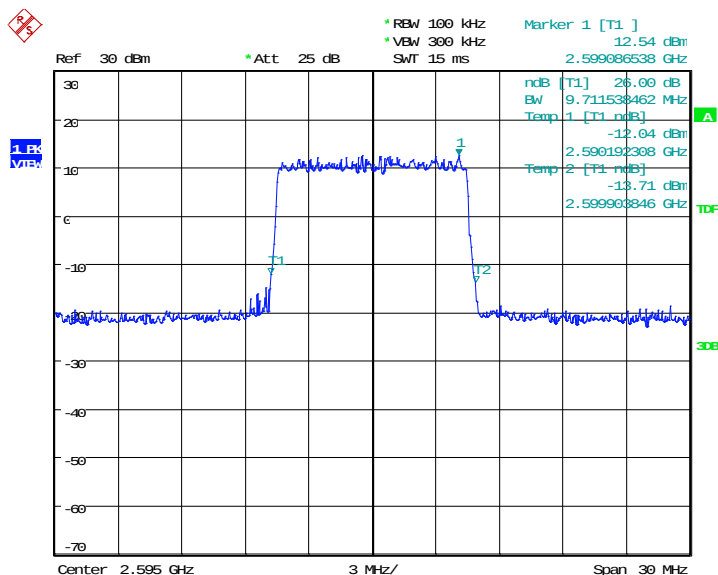


Date: 16.NOV.2020 16:39:50

LTE band 38, 10MHz (-26dBc BW)

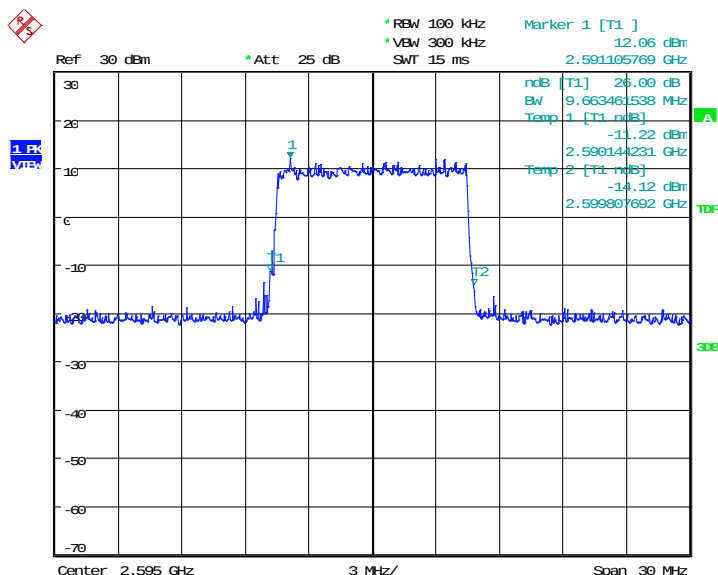
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	9711.54	9663.46

LTE band 38, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:41:52

LTE band 38, 10MHz Bandwidth, 16QAM (-26dBc BW)

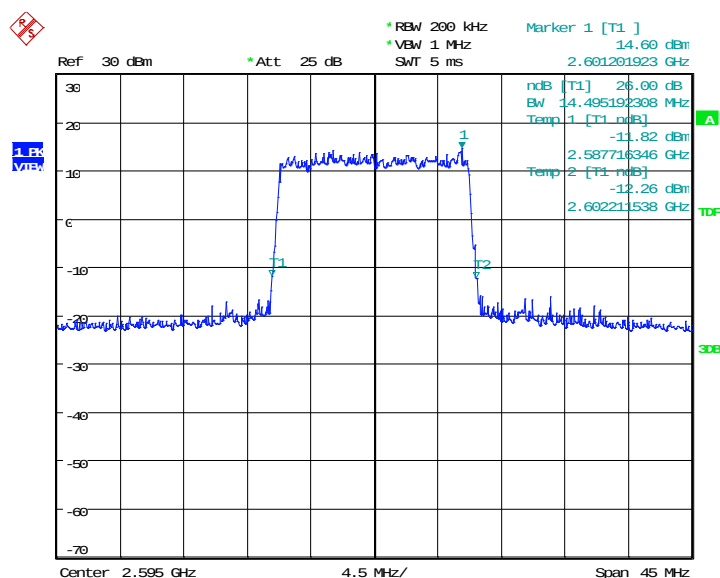


Date: 16.NOV.2020 16:42:08

LTE band 38, 15MHz (-26dBc BW)

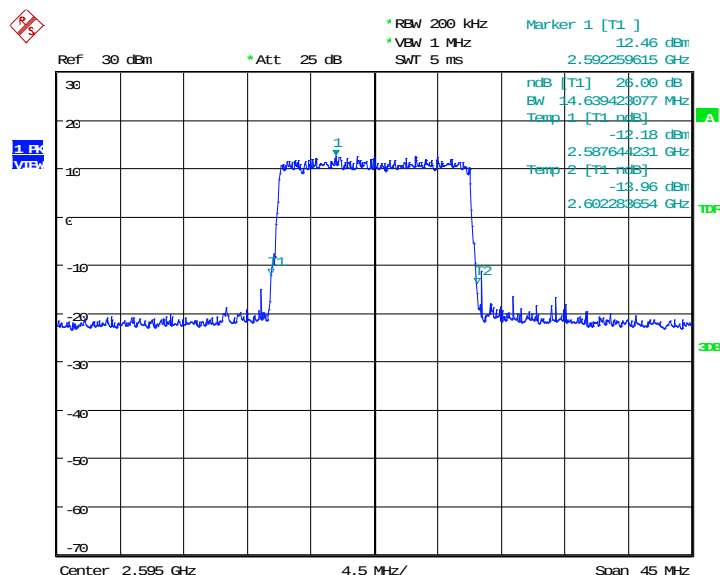
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	14495.19	14639.42

LTE band 38, 15MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:44:10

LTE band 38, 15MHz Bandwidth, 16QAM (-26dBc BW)

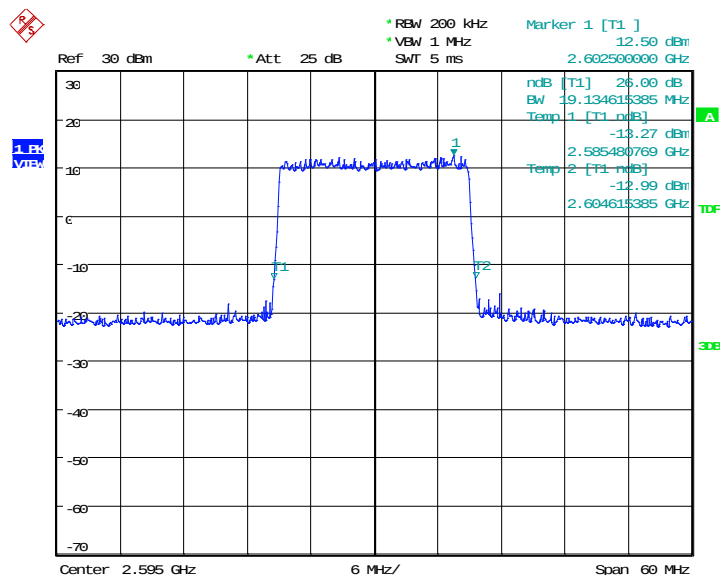


Date: 16.NOV.2020 16:44:26

LTE band 38, 20MHz (-26dBc BW)

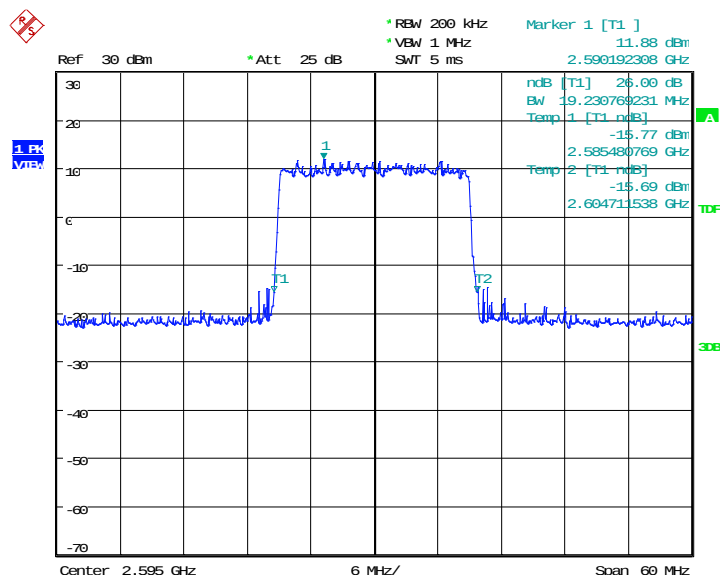
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	19134.62	19230.77

LTE band 38, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 16.NOV.2020 16:46:28

LTE band 38, 20MHz Bandwidth, 16QAM (-26dBc BW)

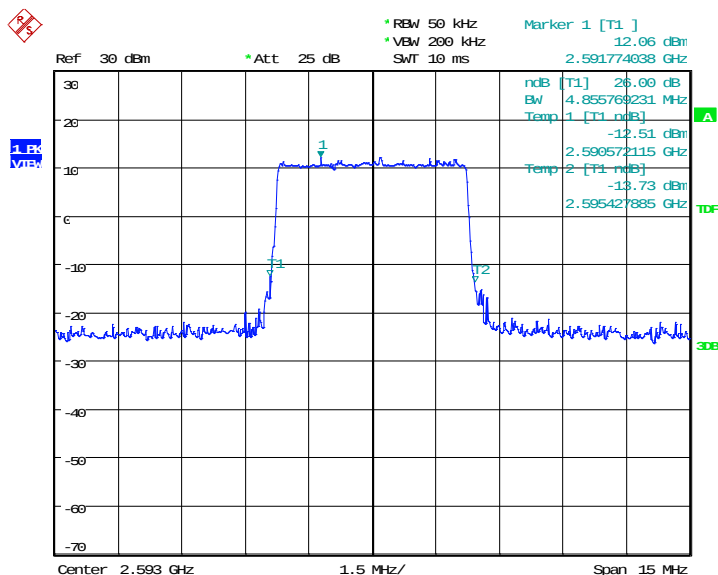


Date: 16.NOV.2020 16:46:44

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

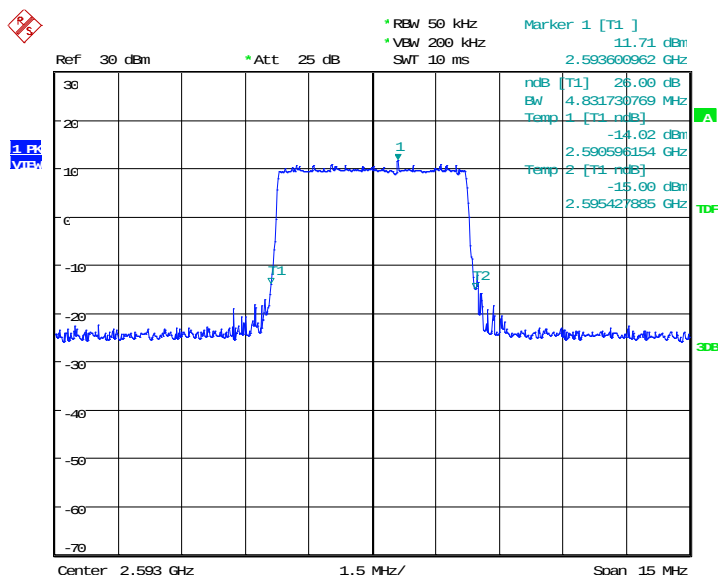
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	4855.77	4831.73

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



Date: 16.NOV.2020 17:39:42

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

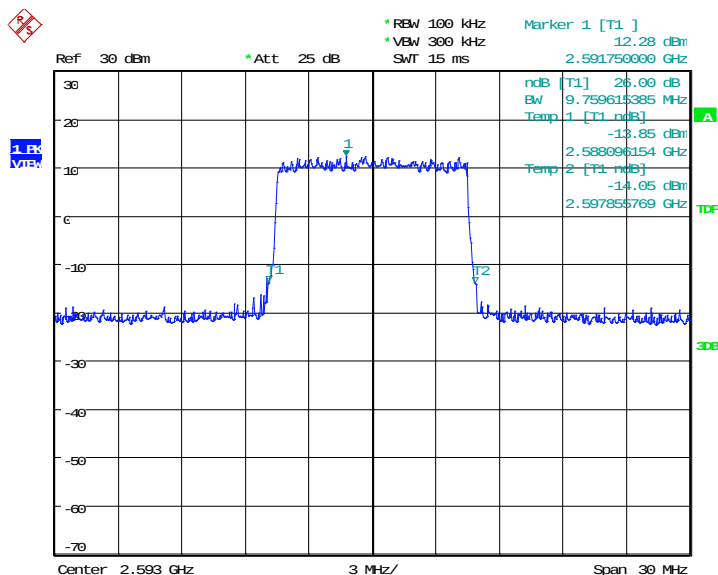


Date: 16.NOV.2020 17:39:58

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

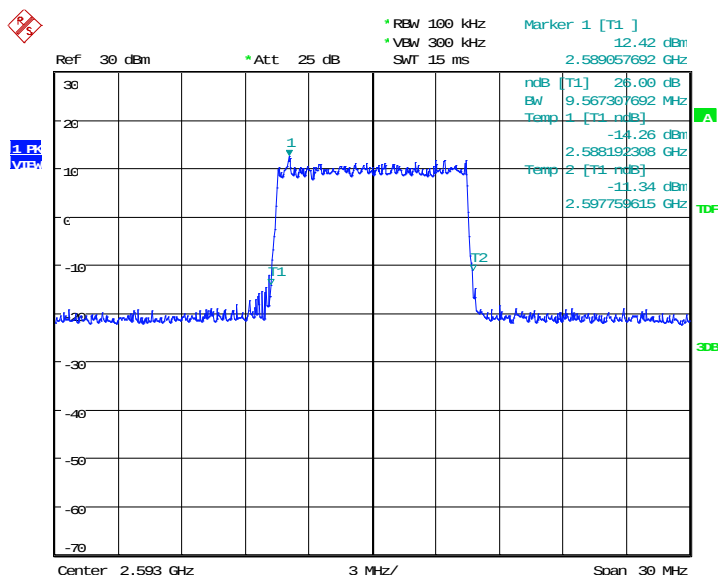
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	9759.62	9567.31

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



Date: 16.NOV.2020 17:42:00

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

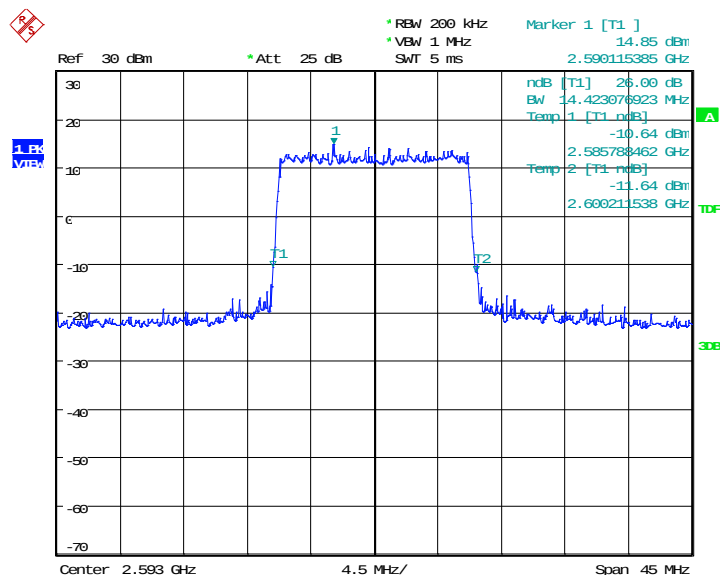


Date: 16.NOV.2020 17:42:15

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

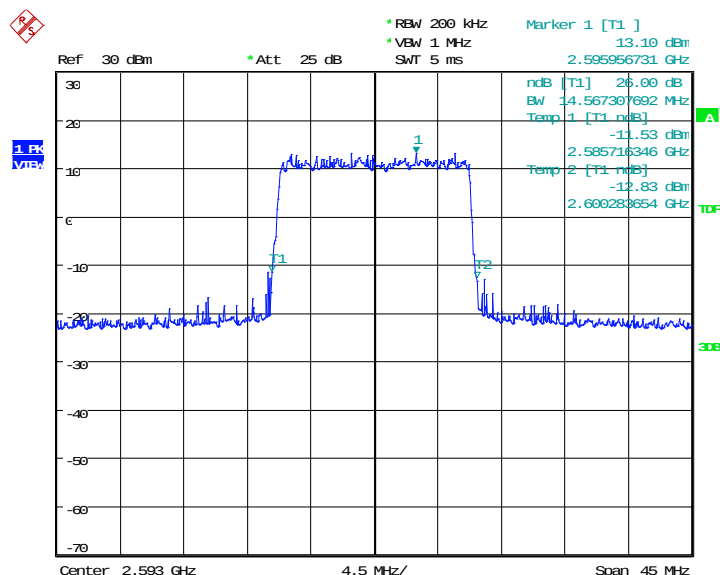
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	14423.08	14567.31

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



Date: 16.NOV.2020 17:44:17

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

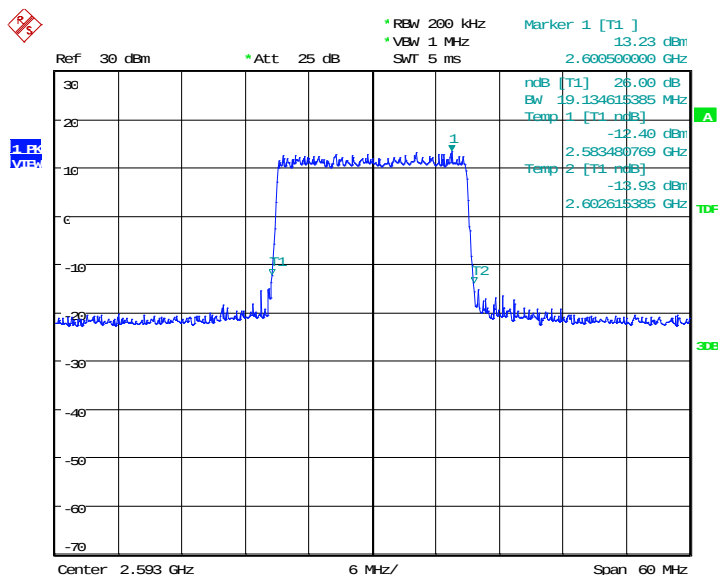


Date: 16.NOV.2020 17:44:33

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

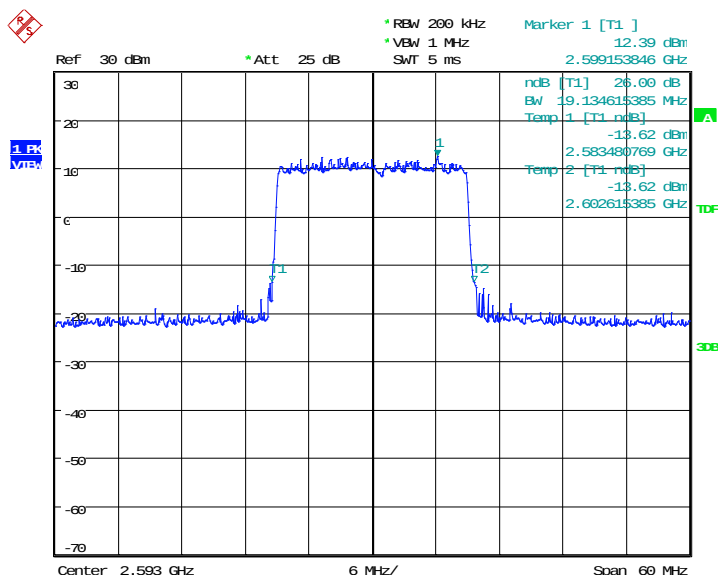
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	19134.62	19134.62

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



Date: 16.NOV.2020 17:46:36

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

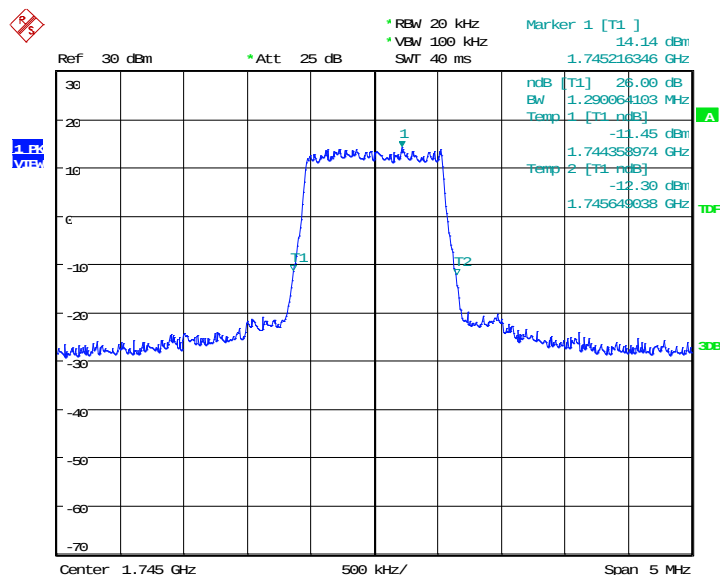


Date: 16.NOV.2020 17:46:51

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

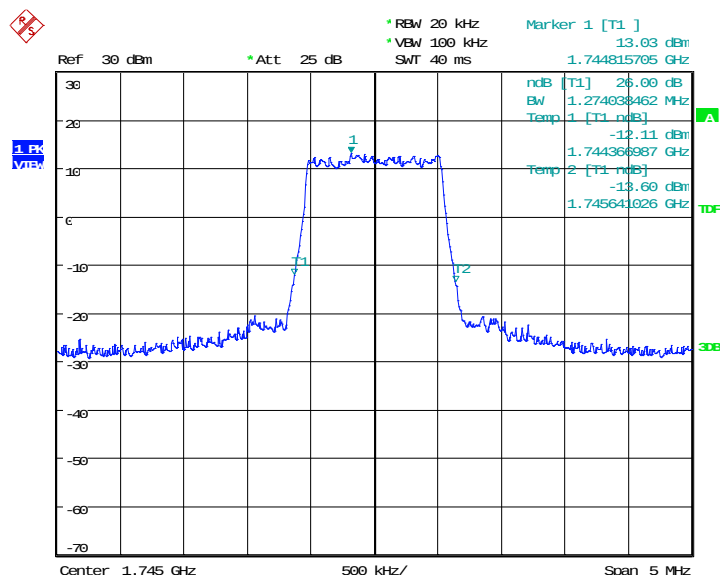
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	1290.06	1274.04

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



Date: 16.NOV.2020 18:16:38

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

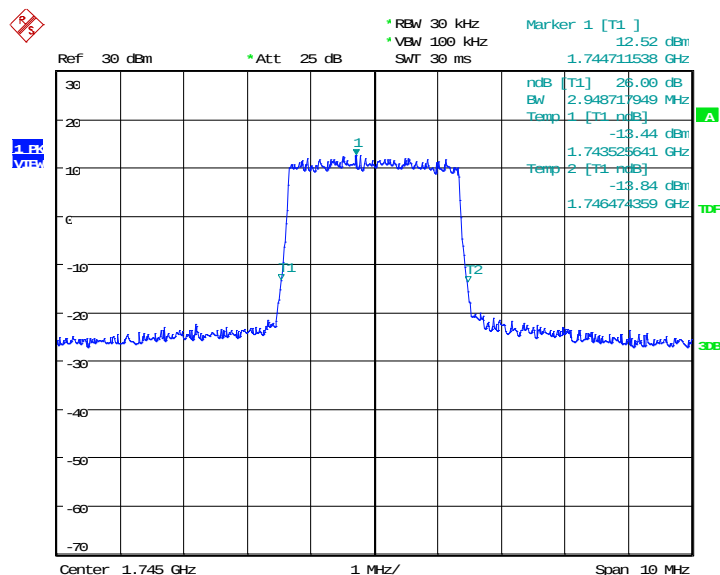


Date: 16.NOV.2020 18:16:53

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

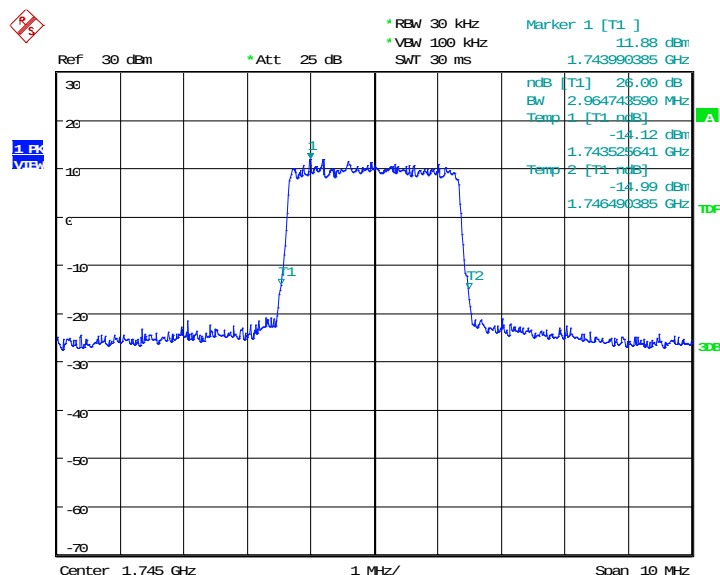
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	2948.72	2964.74

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



Date: 16.NOV.2020 18:18:55

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

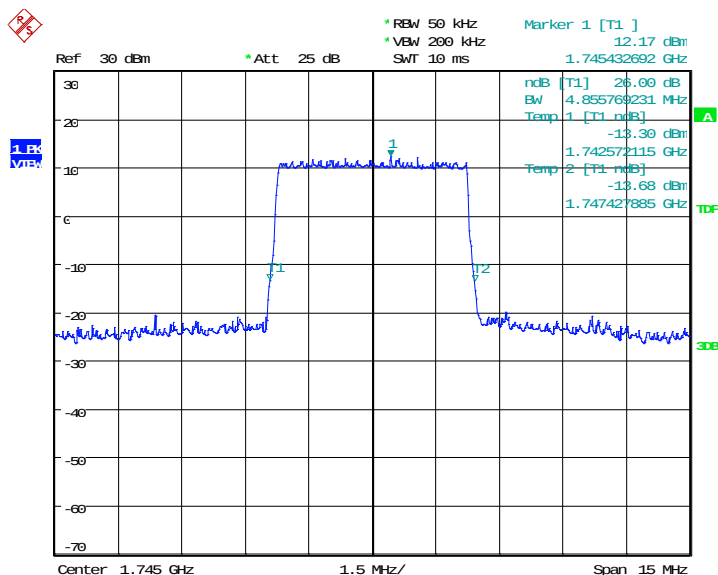


Date: 16.NOV.2020 18:19:11

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

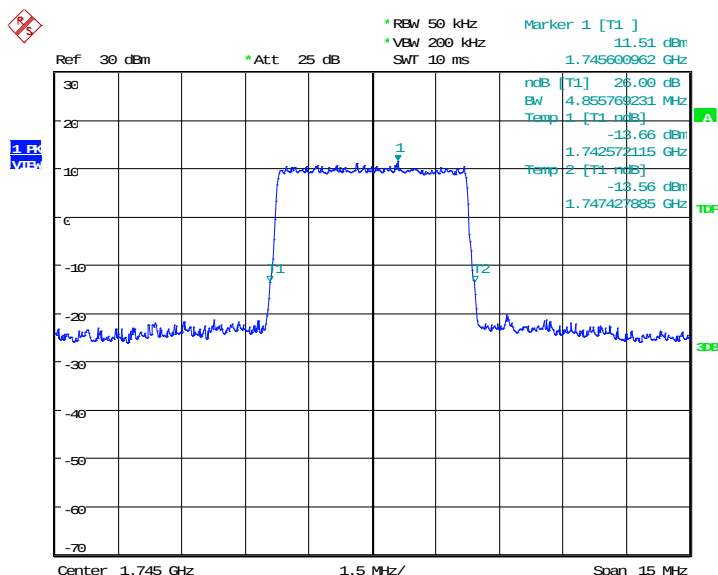
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	4855.77	4855.77

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



Date: 16.NOV.2020 18:21:13

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

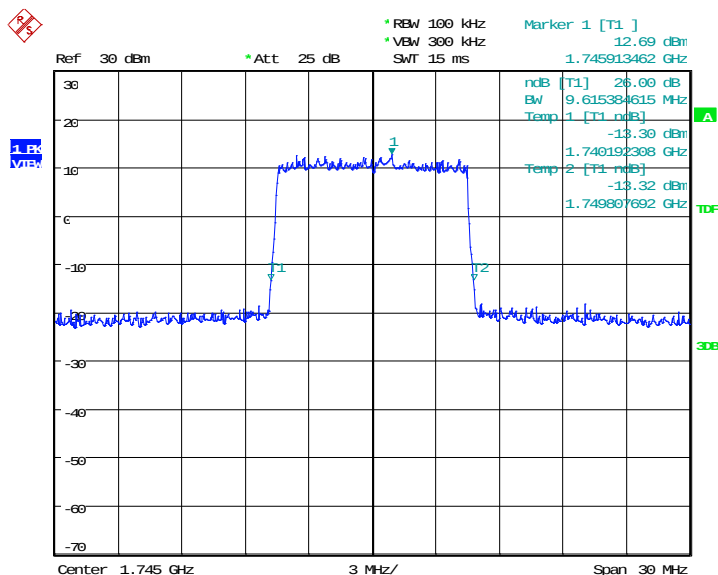


Date: 16.NOV.2020 18:21:29

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

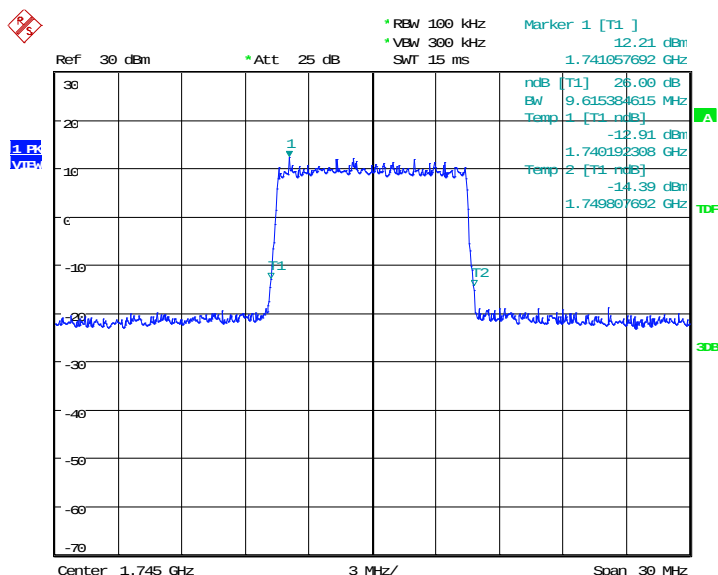
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	9615.38	9615.38

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



Date: 16.NOV.2020 18:23:31

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

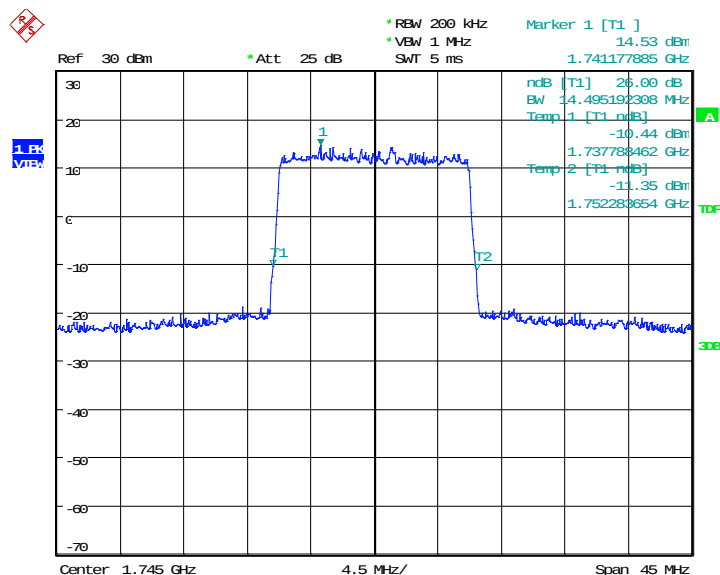


Date: 16.NOV.2020 18:23:47

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

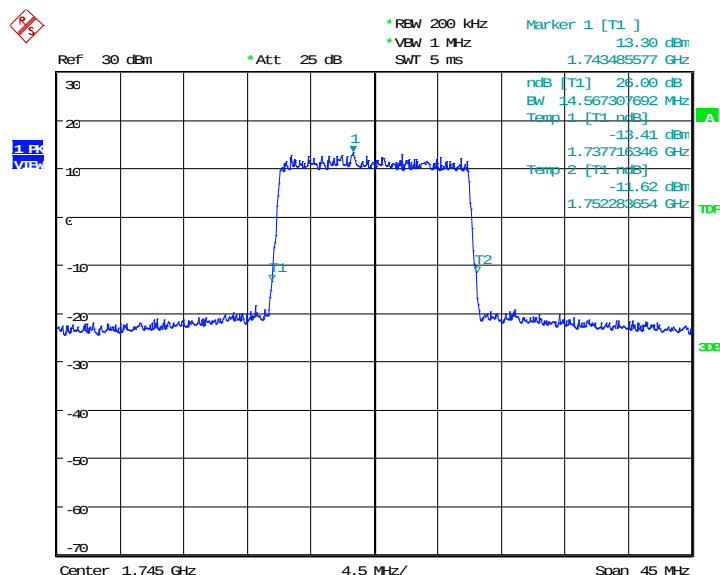
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	14495.19	14567.31

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



Date: 16.NOV.2020 18:25:49

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

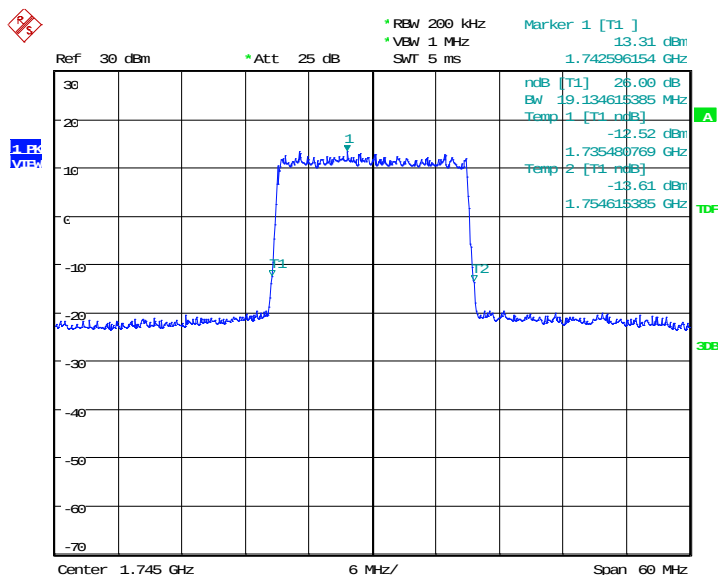


Date: 16.NOV.2020 18:26:05

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

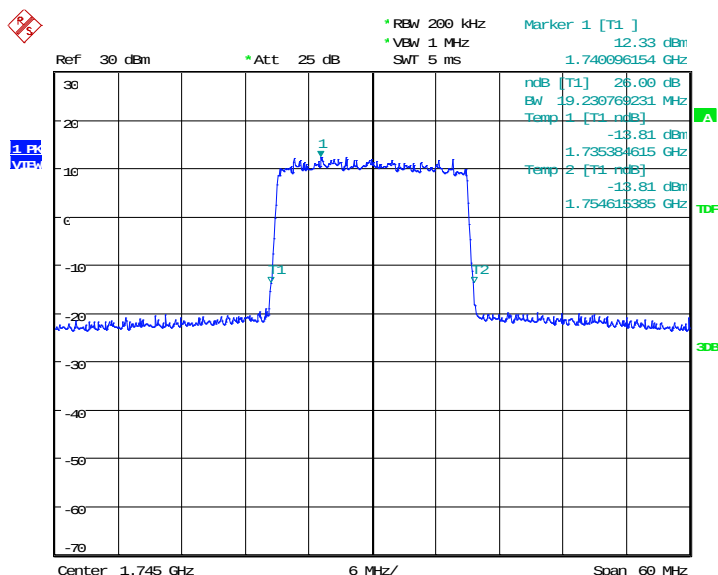
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
1745.0	QPSK	16QAM
	19134.62	19230.77

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



Date: 16.NOV.2020 18:28:08

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

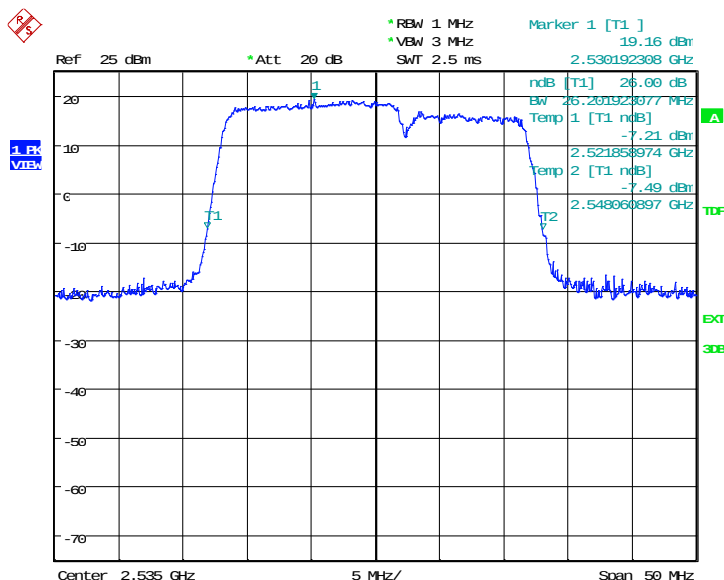


Date: 16.NOV.2020 18:28:23

LTE Band CA_7C, 15MHz+10MHz (-26dBc BW)

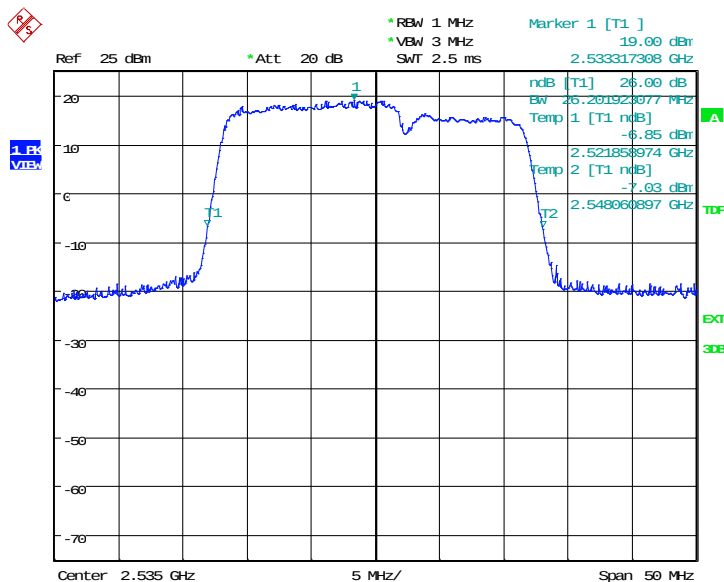
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	26201.92	26201.92

LTE Band CA_7C, 15MHz+10MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:33:42

LTE Band CA_7C, 15MHz+10MHz Bandwidth, 16QAM (-26dBc BW)

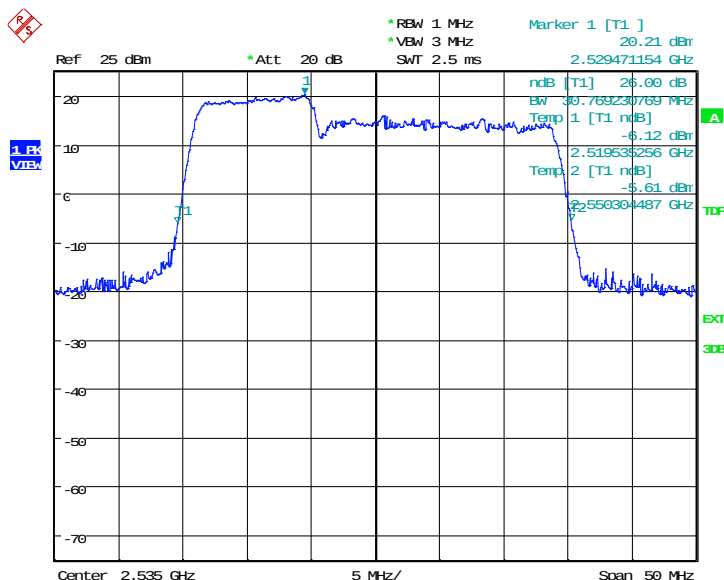


Date: 19.NOV.2020 14:33:06

LTE Band CA_7C, 10MHz+20MHz (-26dBc BW)

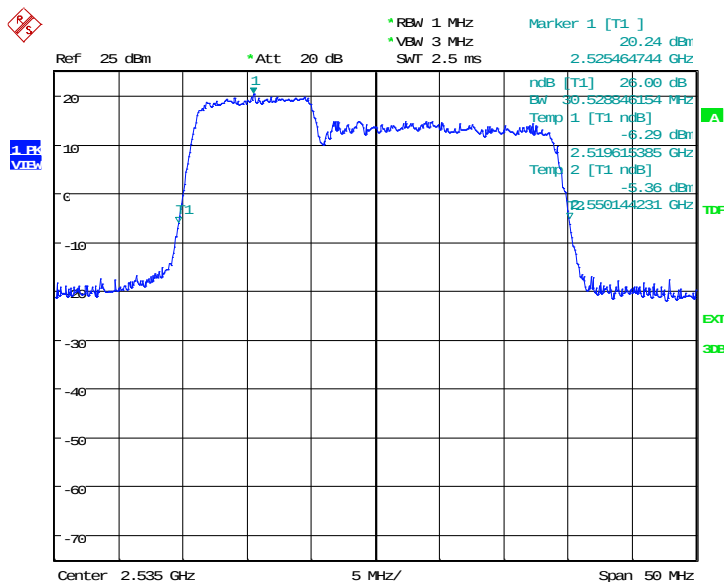
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	30769.23	30528.85

LTE Band CA_7C, 10MHz+20MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:35:02

LTE Band CA_7C, 10MHz+20MHz Bandwidth, 16QAM (-26dBc BW)

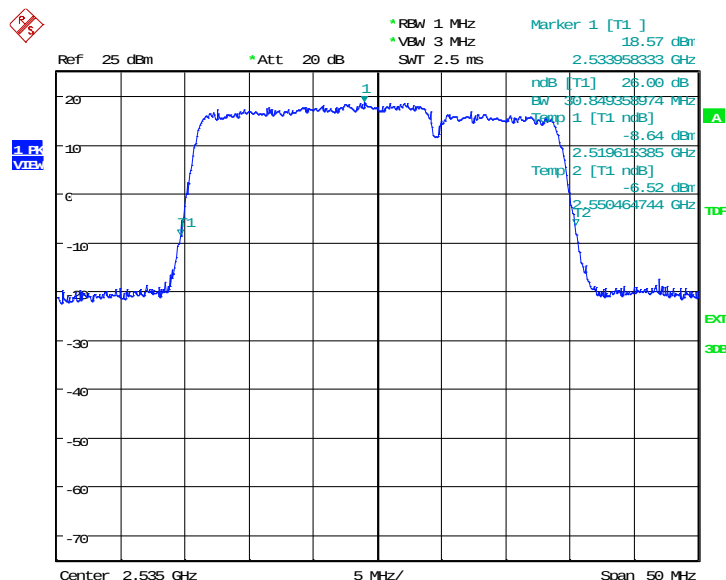


Date: 19.NOV.2020 14:35:35

LTE Band CA_7C, 20MHz+10MHz (-26dBc BW)

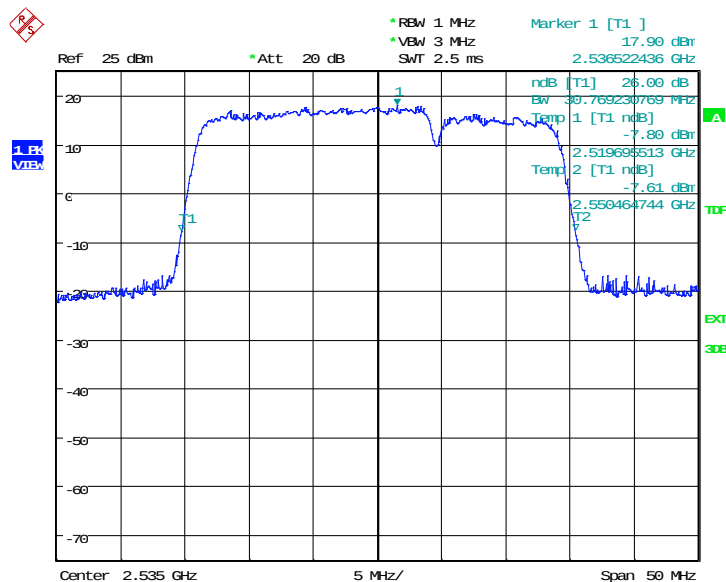
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	30849.36	30769.23

LTE Band CA_7C, 20MHz+10MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:40:15

LTE Band CA_7C, 20MHz+10MHz Bandwidth, 16QAM (-26dBc BW)

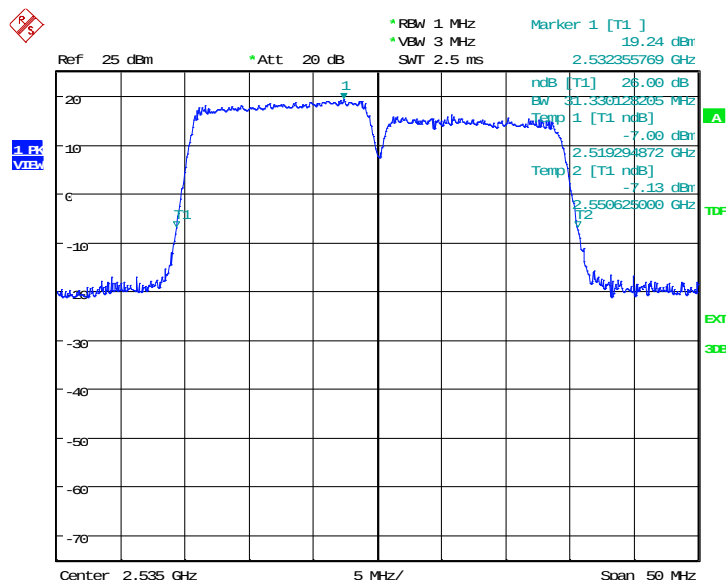


Date: 19.NOV.2020 14:39:36

LTE Band CA_7C, 15MHz+15MHz (-26dBc BW)

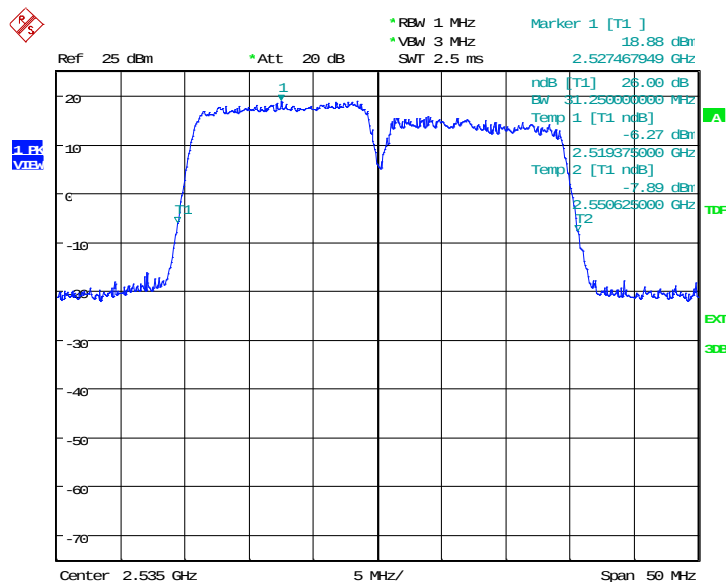
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	31330.13	31250.00

LTE Band CA_7C, 15MHz+15MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:41:16

LTE Band CA_7C, 15MHz+15MHz Bandwidth, 16QAM (-26dBc BW)

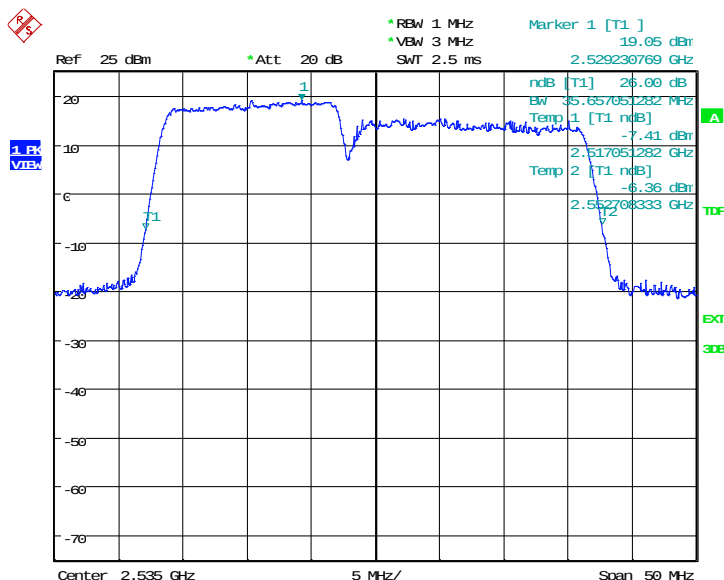


Date: 19.NOV.2020 14:41:46

LTE Band CA_7C, 15MHz+20MHz (-26dBc BW)

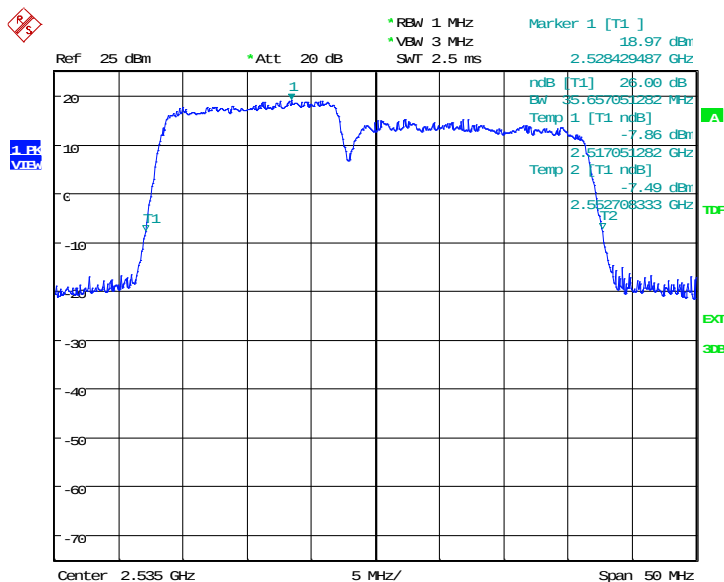
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	35657.05	35657.05

LTE Band CA_7C, 15MHz+20MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:46:06

LTE Band CA_7C, 15MHz+20MHz Bandwidth, 16QAM (-26dBc BW)

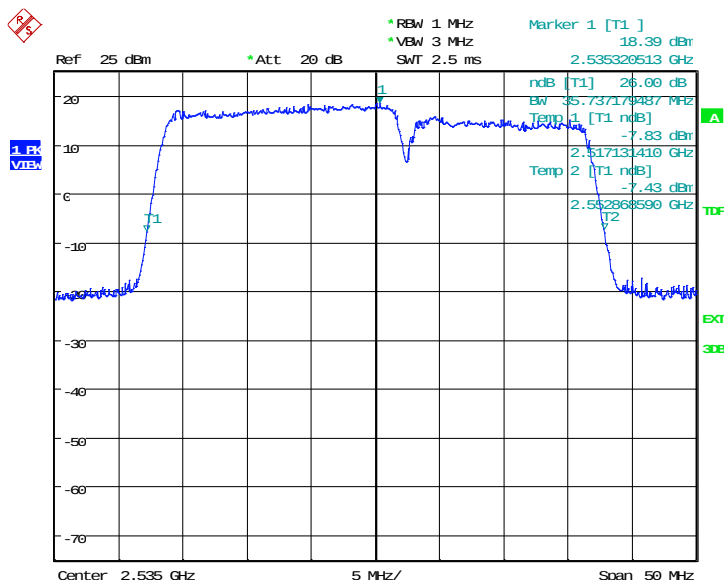


Date: 19.NOV.2020 14:45:21

LTE Band CA_7C, 20MHz+15MHz (-26dBc BW)

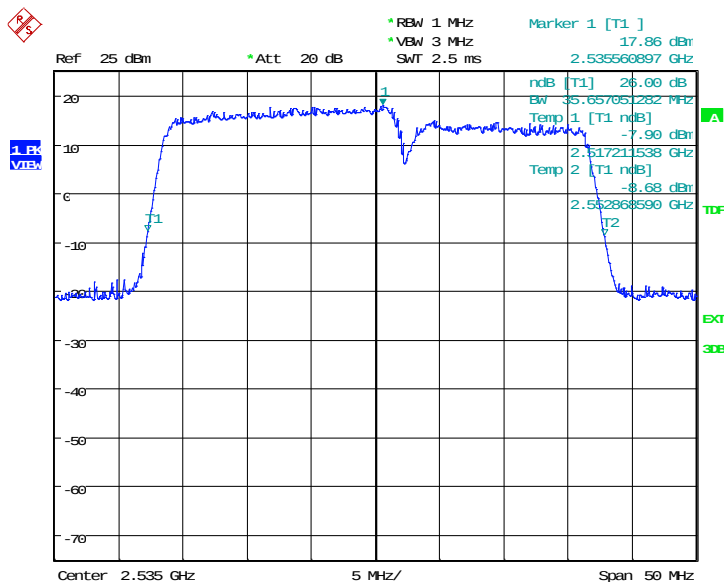
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	35737.18	35657.05

LTE Band CA_7C, 20MHz+15MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:49:38

LTE Band CA_7C, 20MHz+15MHz Bandwidth, 16QAM (-26dBc BW)

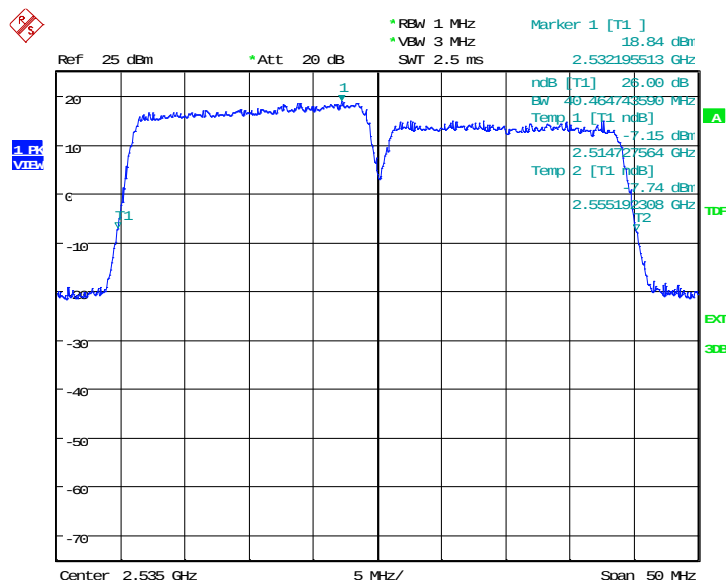


Date: 19.NOV.2020 14:50:01

LTE Band CA_7C, 20MHz+20MHz (-26dBc BW)

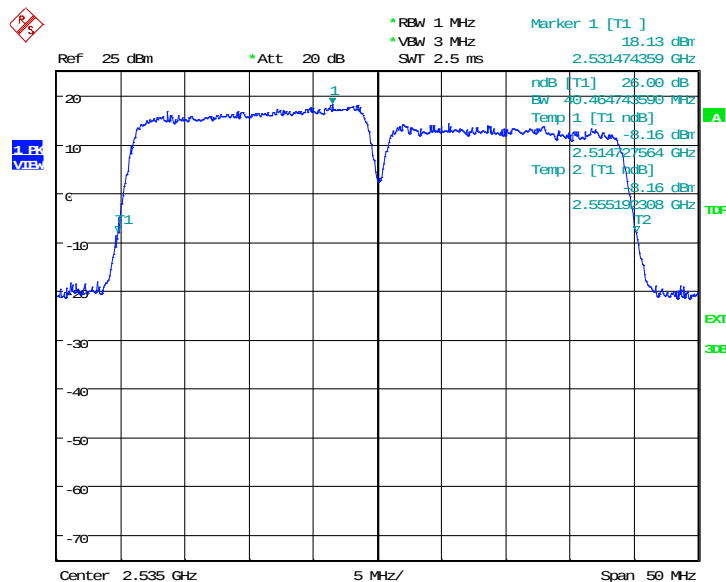
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2535.0	QPSK	16QAM
	40464.74	40464.74

LTE Band CA_7C, 20MHz+20MHz Bandwidth, QPSK (-26dBc BW)



Date: 19.NOV.2020 14:53:29

LTE Band CA_7C, 20MHz+20MHz Bandwidth, 16QAM (-26dBc BW)

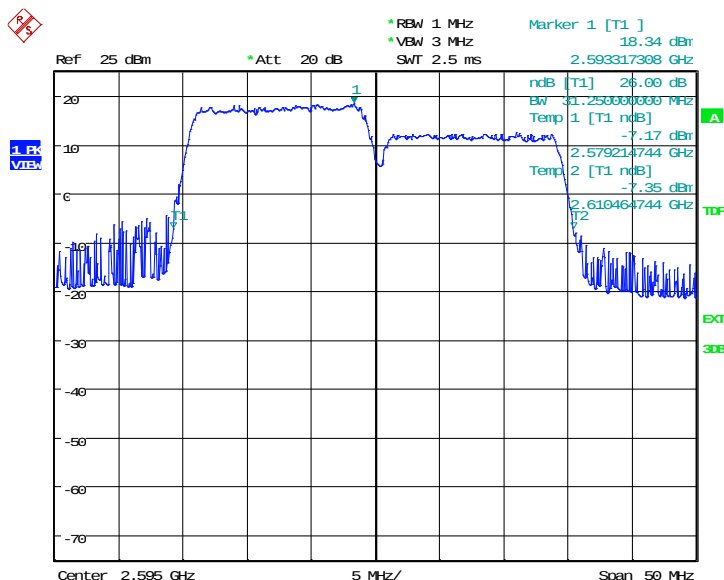


Date: 19.NOV.2020 14:52:54

LTE Band CA_38C, 15MHz+15MHz (-26dBc BW)

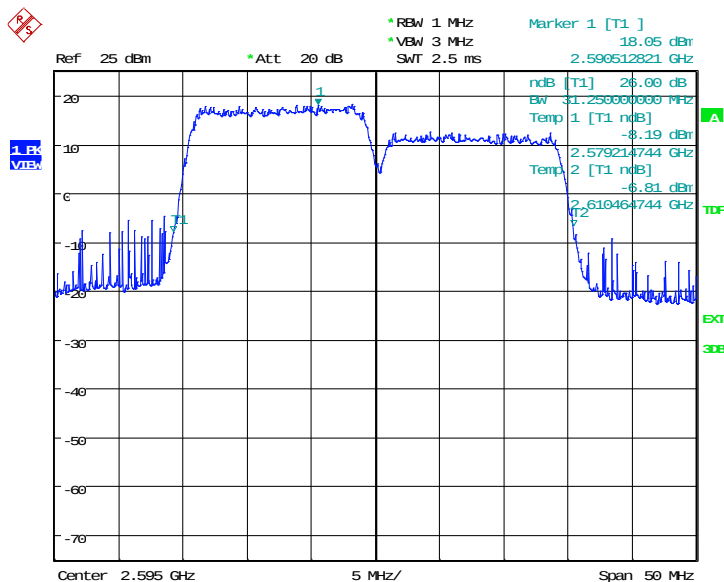
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	31250.00	31250.00

LTE Band CA_38C, 15MHz+15MHz Bandwidth, QPSK (-26dBc BW)



Date: 23.NOV.2020 13:25:35

LTE Band CA_38C, 15MHz+15MHz Bandwidth, 16QAM (-26dBc BW)

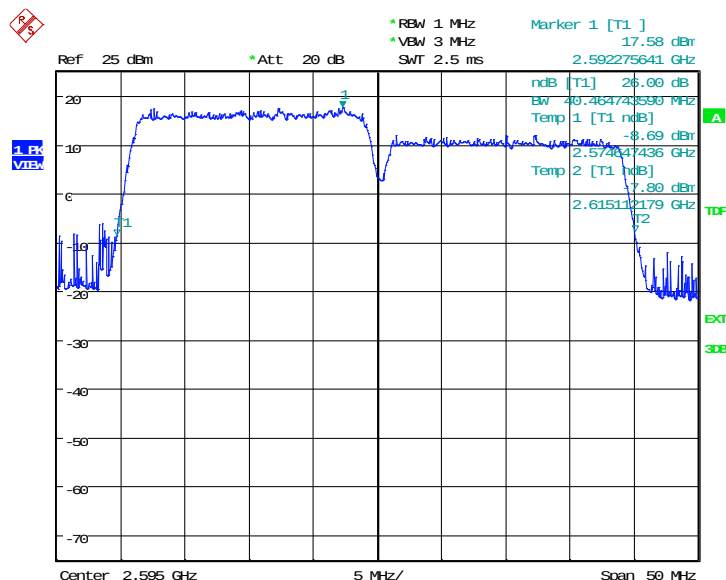


Date: 23.NOV.2020 13:25:54

LTE Band CA_38C, 20MHz+20MHz (-26dBc BW)

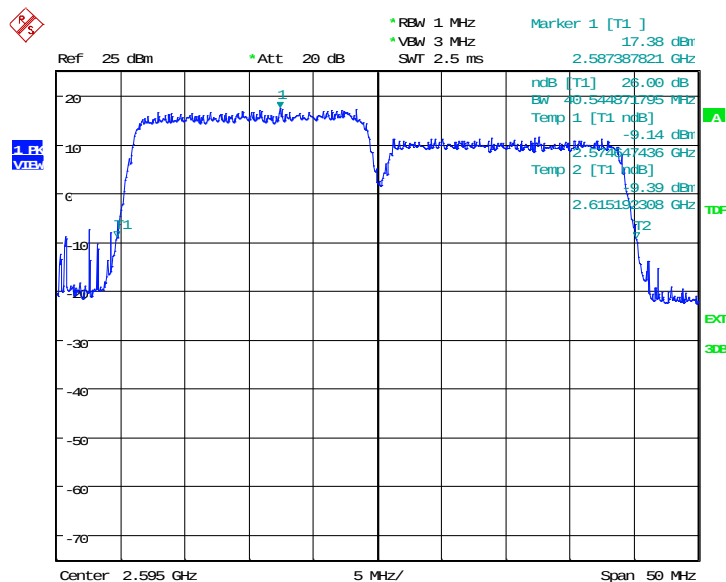
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2595.0	QPSK	16QAM
	40464.74	40544.87

LTE Band CA_38C, 20MHz+20MHz Bandwidth, QPSK (-26dBc BW)



Date: 23.NOV.2020 13:29:04

LTE Band CA_38C, 20MHz+20MHz Bandwidth, 16QAM (-26dBc BW)

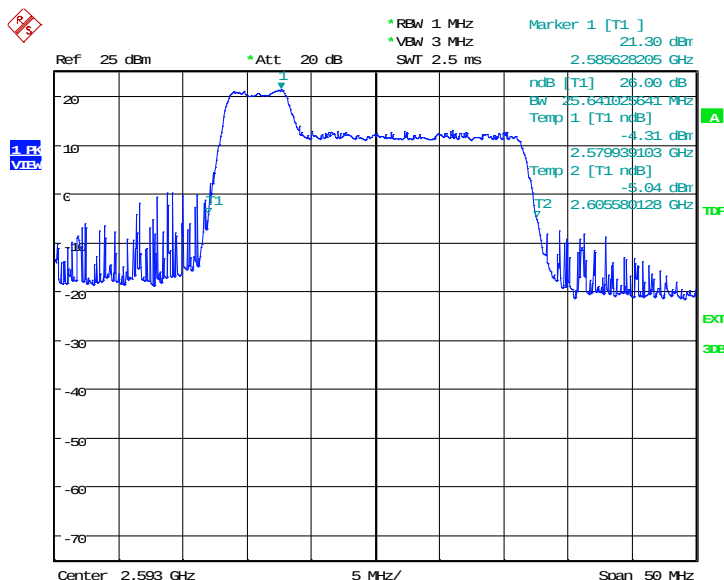


Date: 23.NOV.2020 13:28:45

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

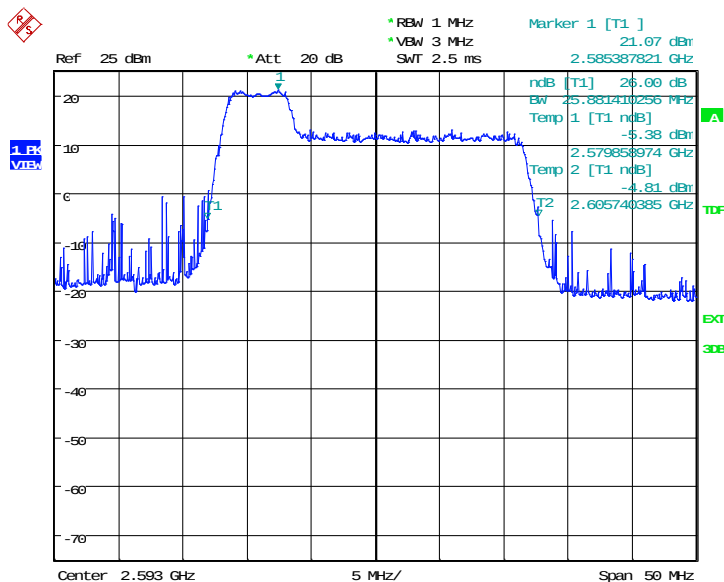
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	25641.03	25881.41

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



Date: 23.NOV.2020 12:50:00

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

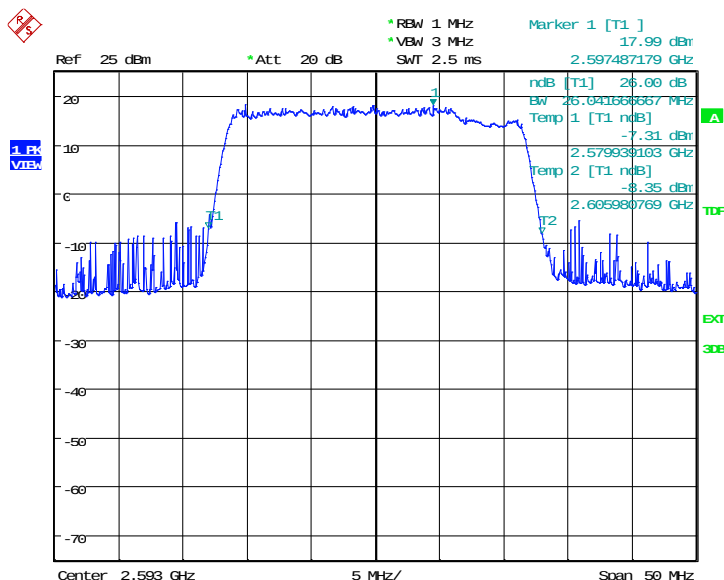


Date: 23.NOV.2020 12:50:16

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

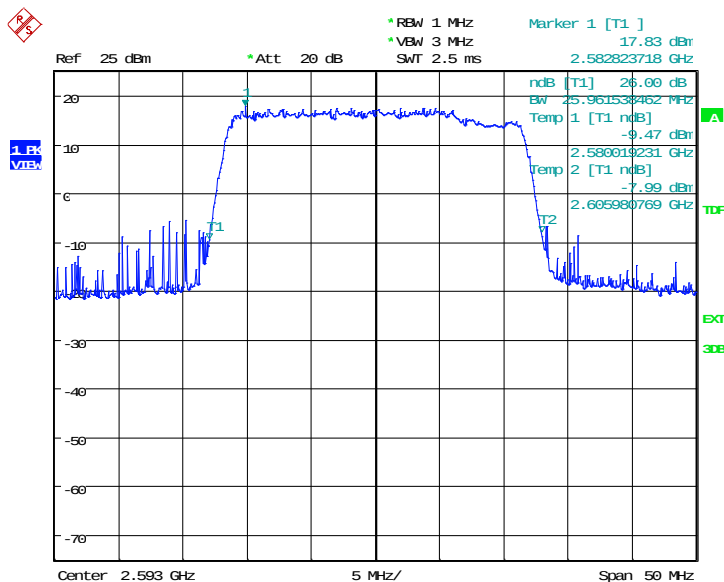
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	26041.67	25961.54

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



Date: 23.NOV.2020 12:54:19

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

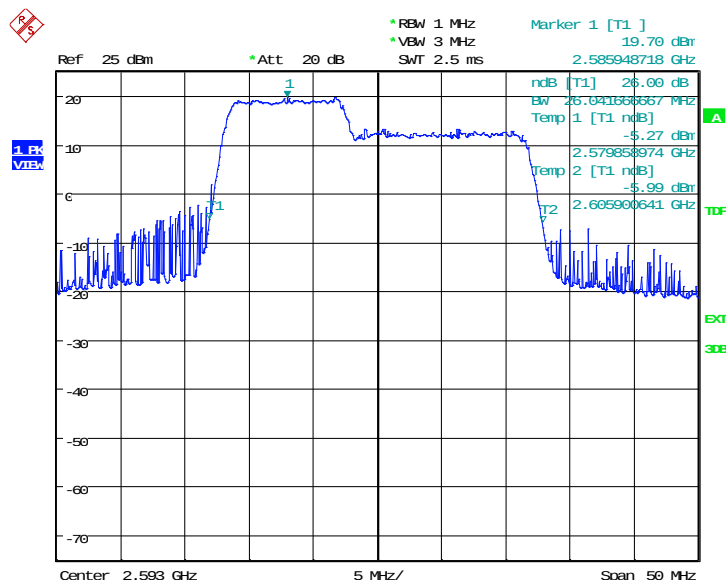


Date: 23.NOV.2020 12:54:00

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

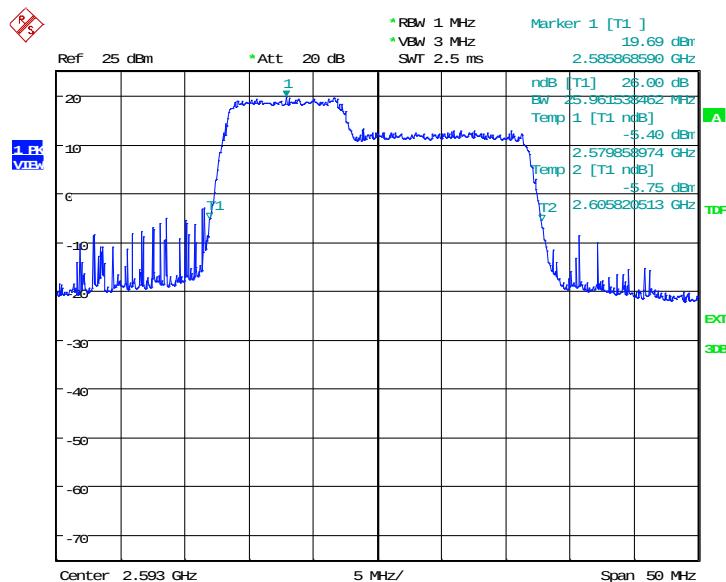
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	26041.67	25961.54

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



Date: 23.NOV.2020 12:55:48

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

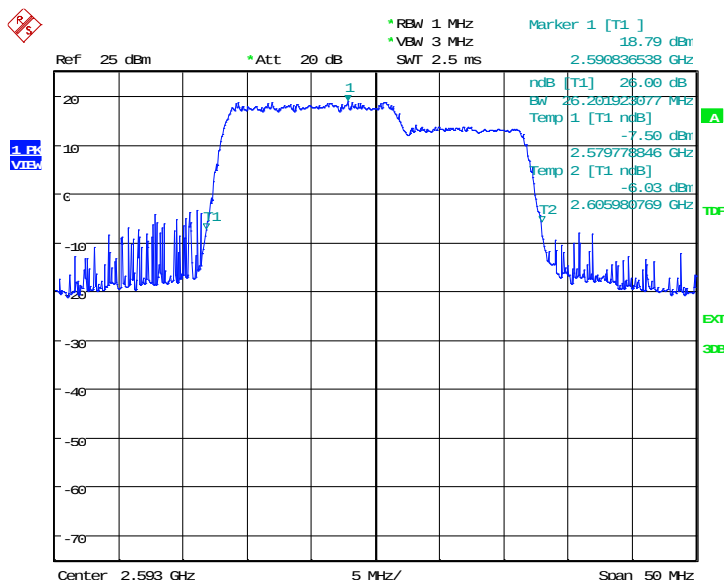


Date: 23.NOV.2020 12:56:01

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

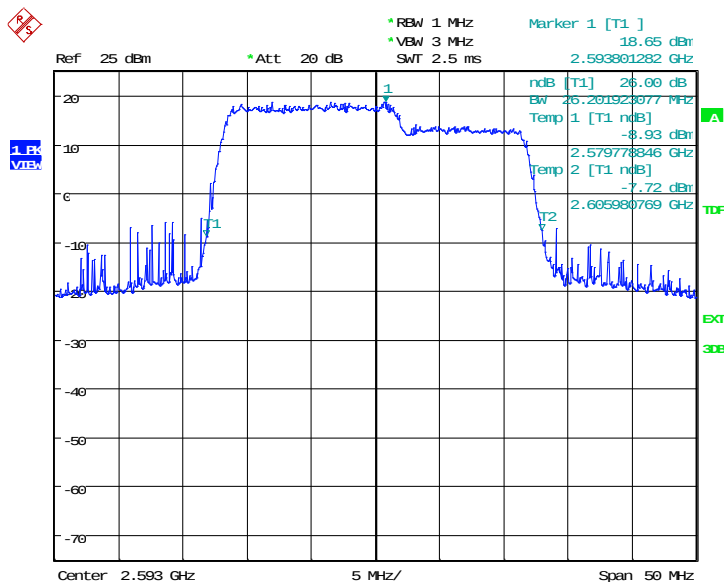
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	26201.92	26201.92

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



Date: 23.NOV.2020 12:58:49

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

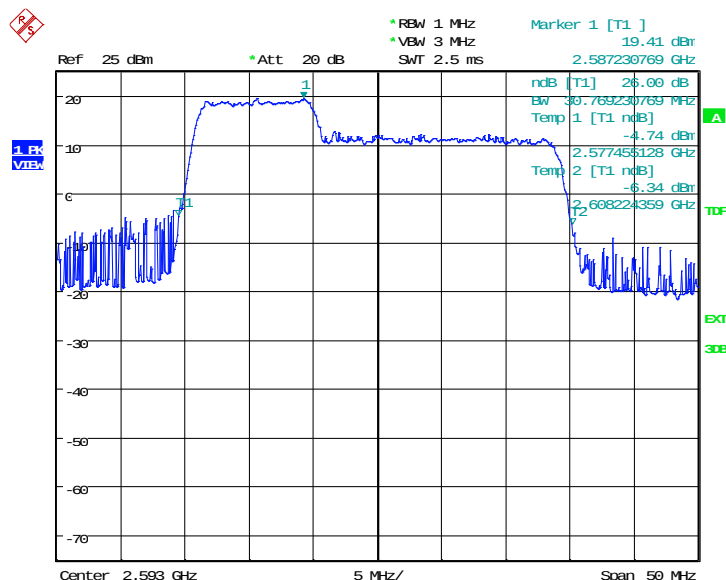


Date: 23.NOV.2020 12:58:29

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

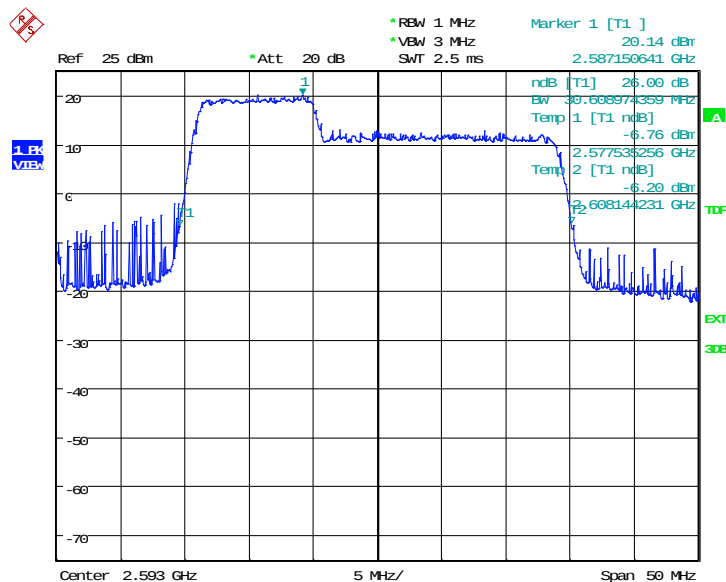
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	30769.23	30608.97

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



Date: 23.NOV.2020 13:00:39

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

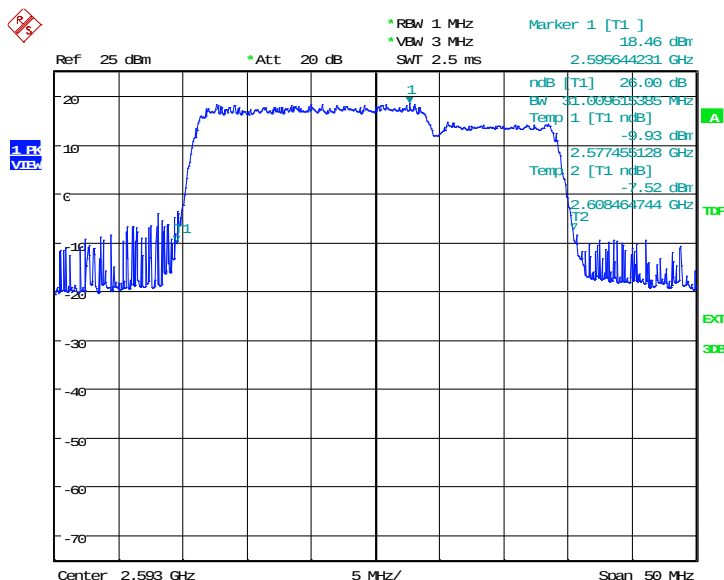


Date: 23.NOV.2020 13:00:53

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

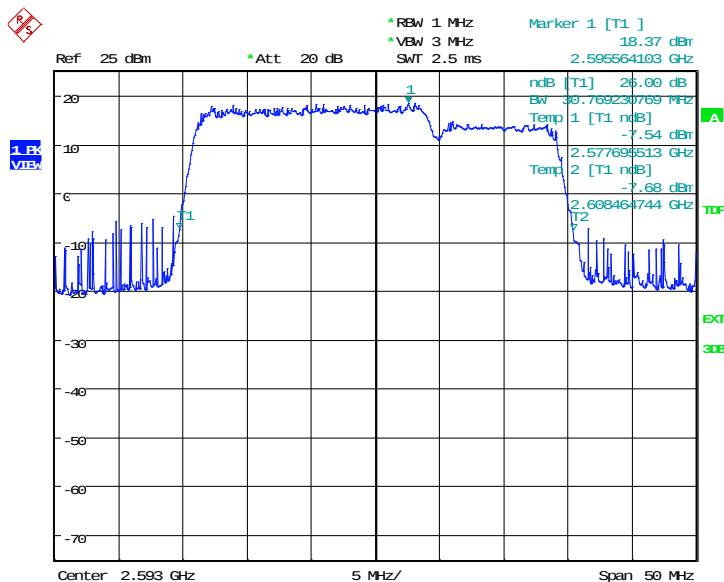
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	31009.62	30769.23

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



Date: 23.NOV.2020 13:04:28

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

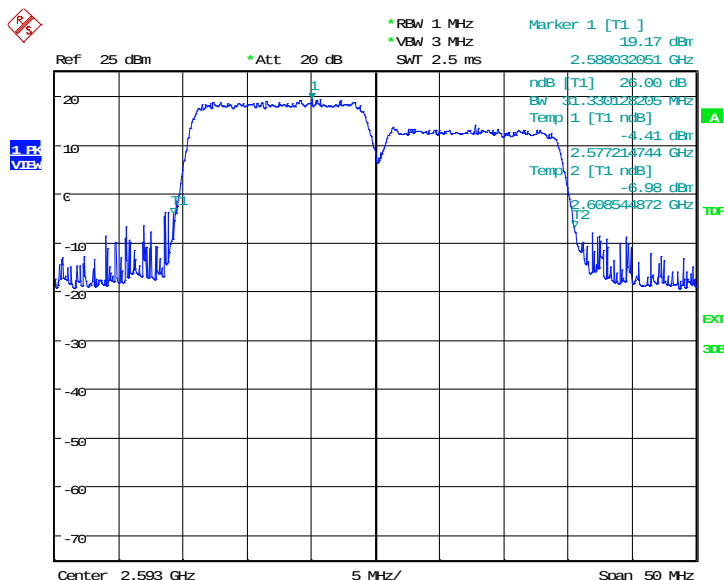


Date: 23.NOV.2020 13:04:10

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

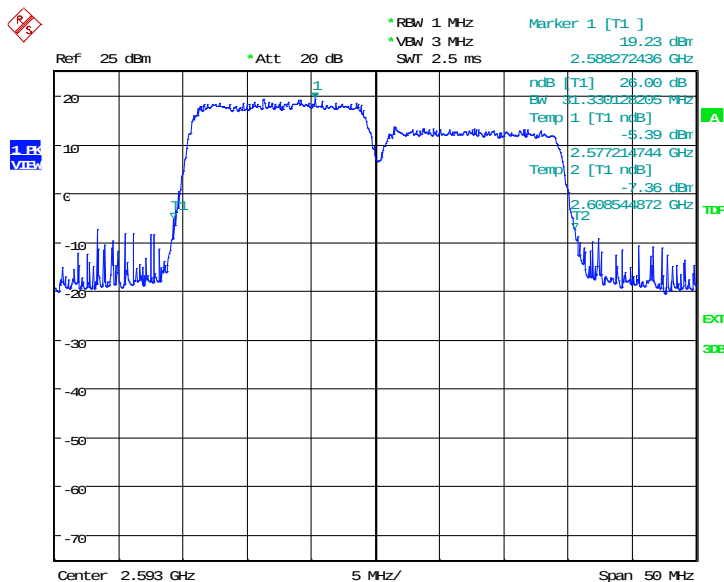
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	31330.13	31330.13

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



Date: 23.NOV.2020 13:05:58

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

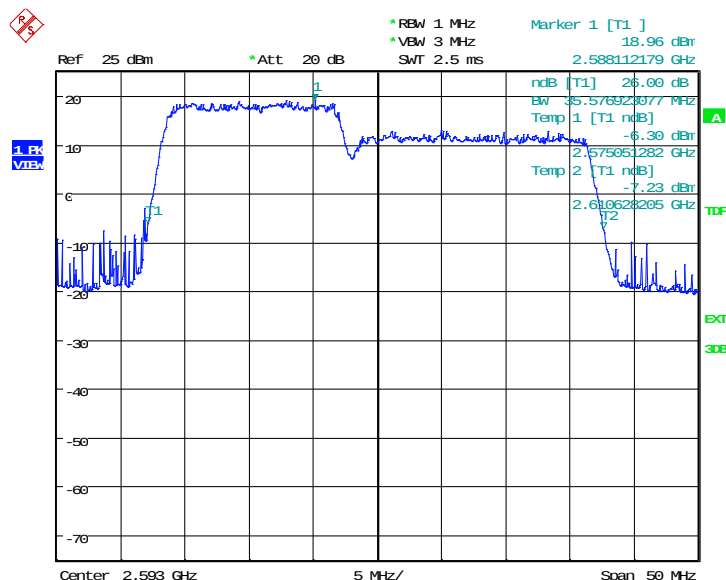


Date: 23.NOV.2020 13:06:15

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

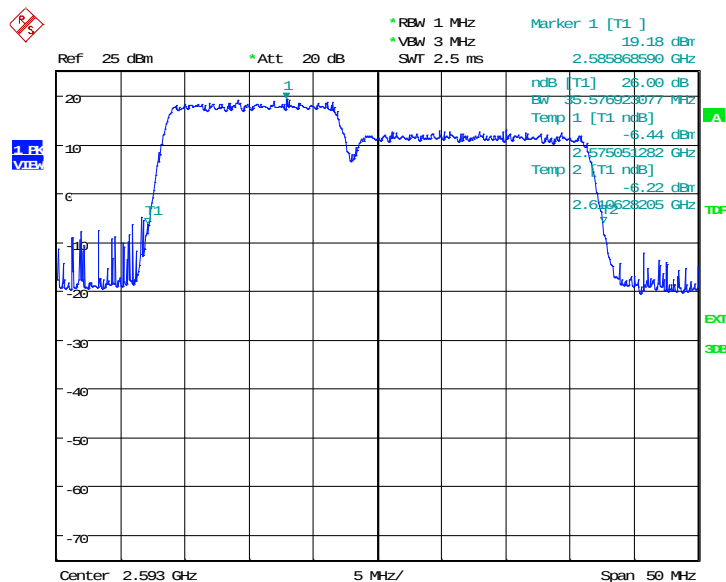
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	35576.92	35576.92

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



Date: 23.NOV.2020 13:09:49

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

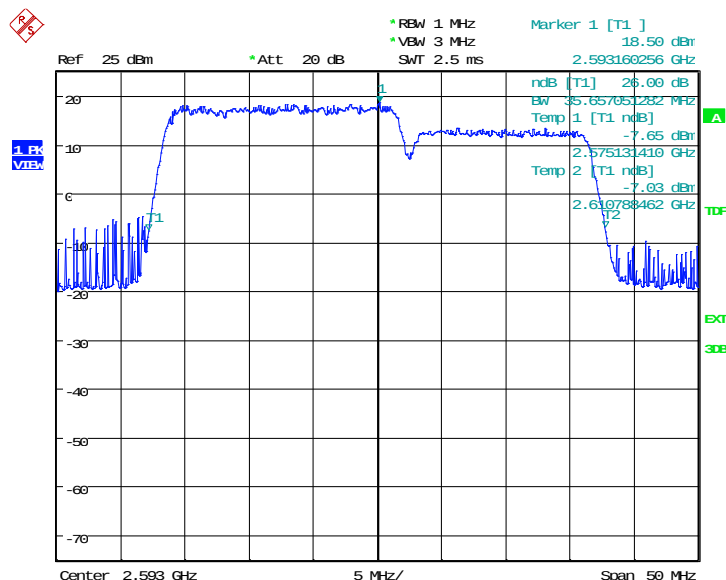


Date: 23.NOV.2020 13:09:35

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

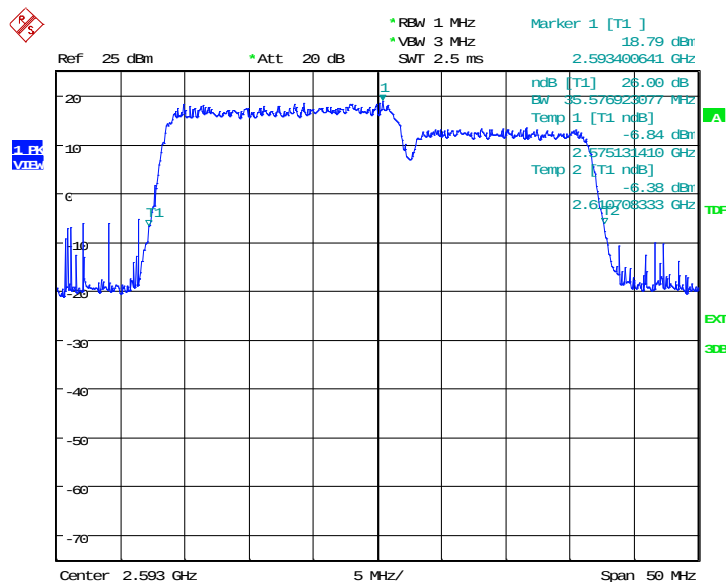
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	35657.05	35576.92

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



Date: 23.NOV.2020 13:10:50

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

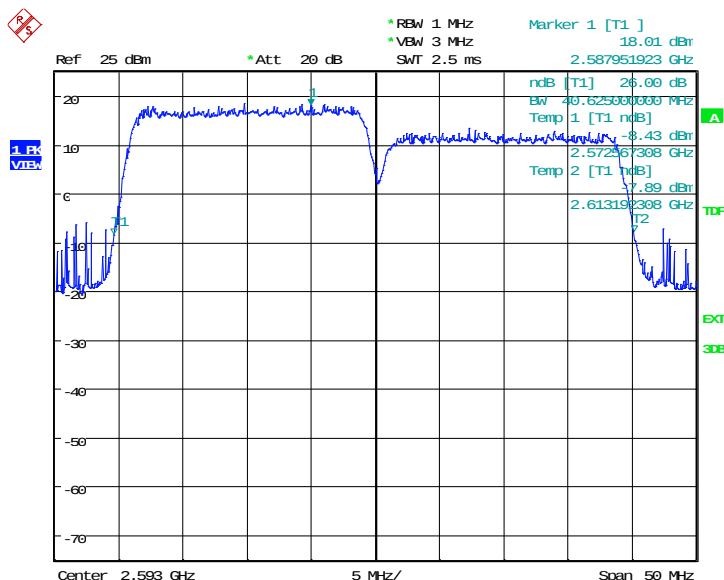


Date: 23.NOV.2020 13:11:14

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

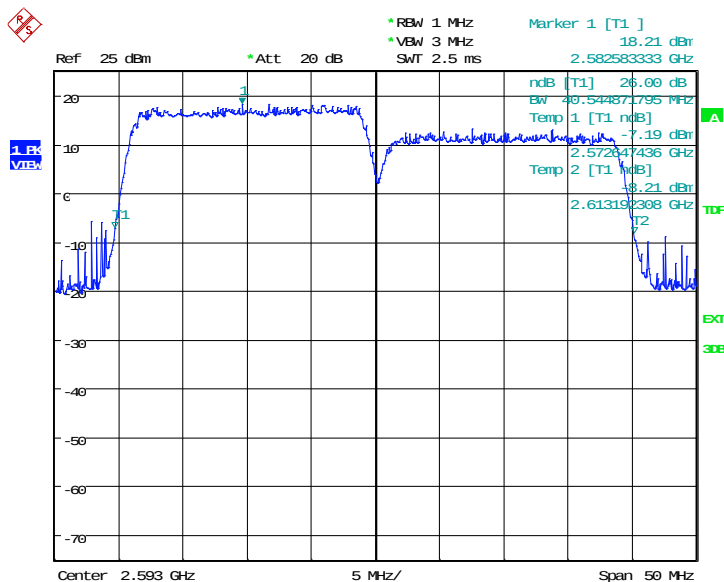
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)	
2593.0	QPSK	16QAM
	40625.00	40544.87

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



Date: 23.NOV.2020 13:14:48

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



Date: 23.NOV.2020 13:14:17

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, 90.691.

A.6.1 Measurement limit

On any frequency outside frequency band

d 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.

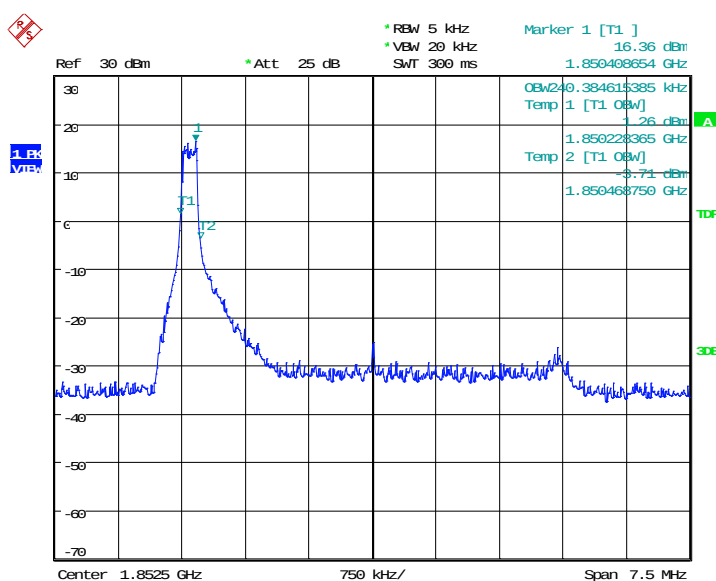
A relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band 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

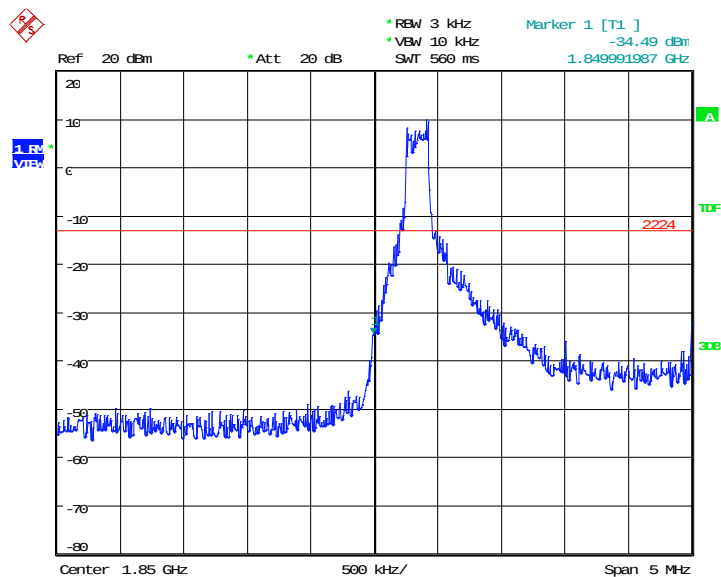
LTE band 2

OBW: 1RB-low_offset



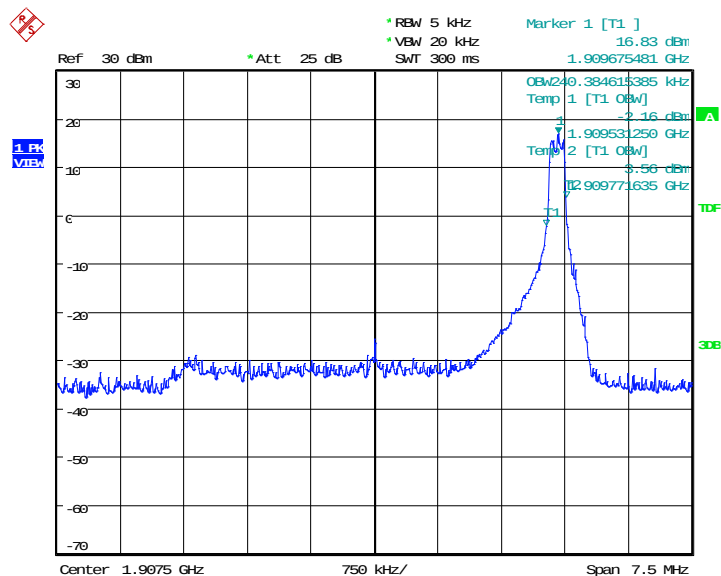
Date: 17.NOV.2020 05:19:37

LOW BAND EDGE BLOCK-1RB-low_offset



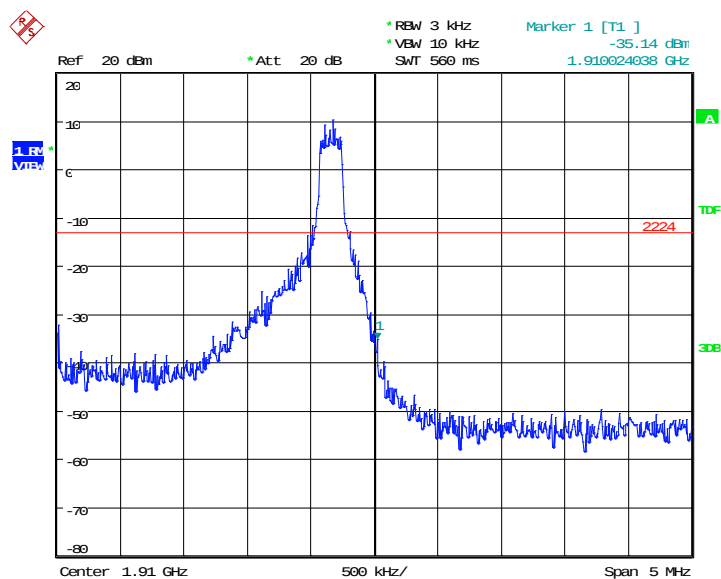
Date: 17.NOV.2020 05:20:21

OBW: 1RB-high_offset



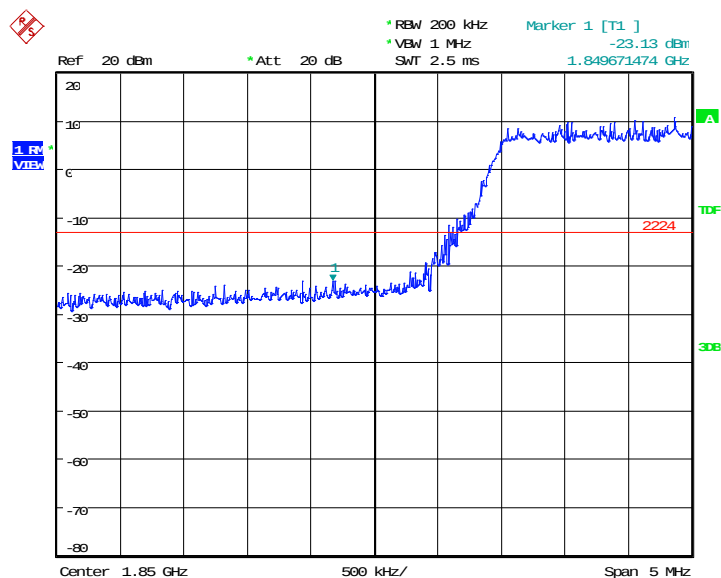
Date: 17.NOV.2020 05:10:21

HIGH BAND EDGE BLOCK-1RB-high_offset



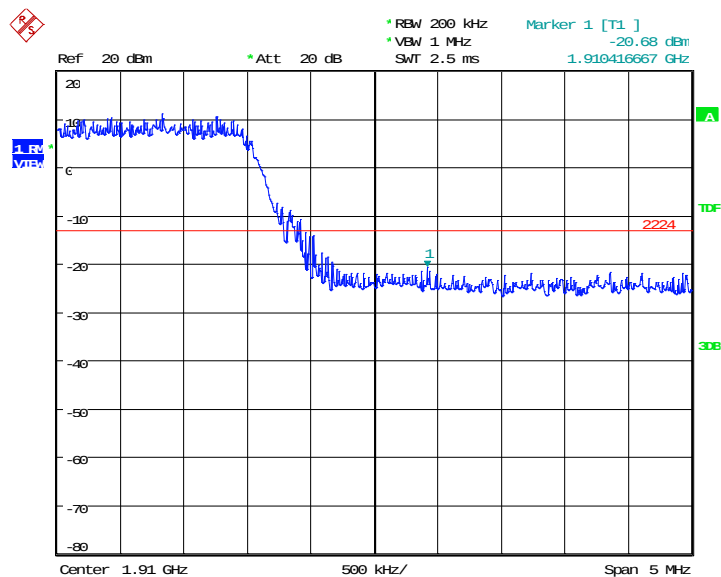
Date: 17.NOV.2020 05:11:05

LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 17.NOV.2020 05:04:33

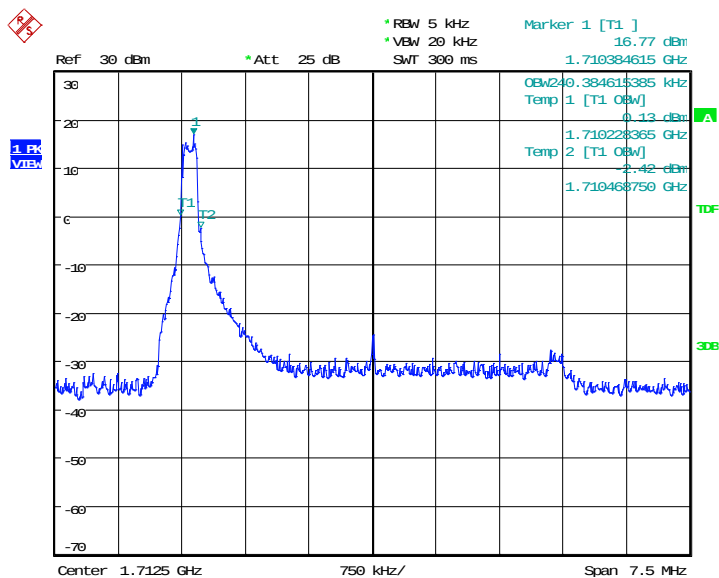
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 17.NOV.2020 05:05:19

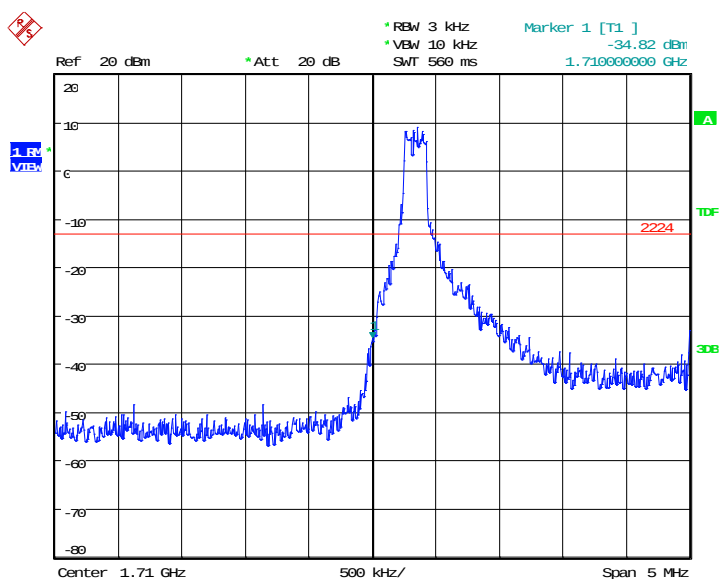
LTE band 4

OBW: 1RB-low_offset



Date: 17.NOV.2020 05:21:20

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 17.NOV.2020 05:22:04