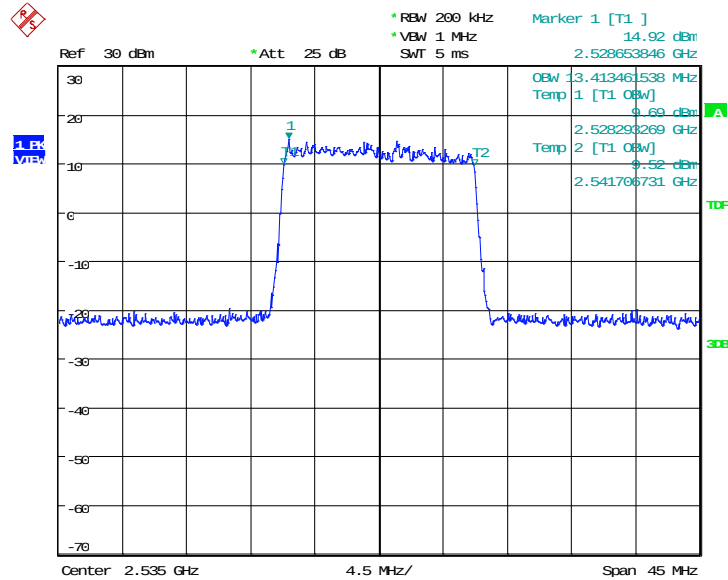


LTE band 7, 15MHz (99% BW)

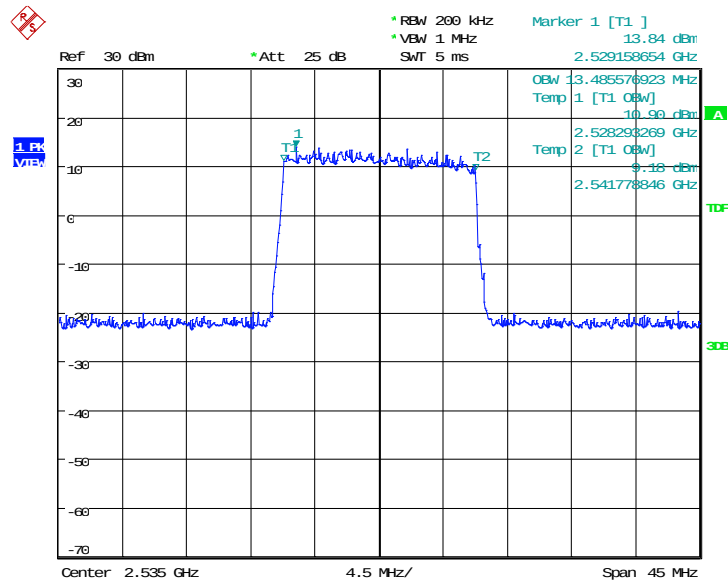
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	13413.46	13485.58	13485.58

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



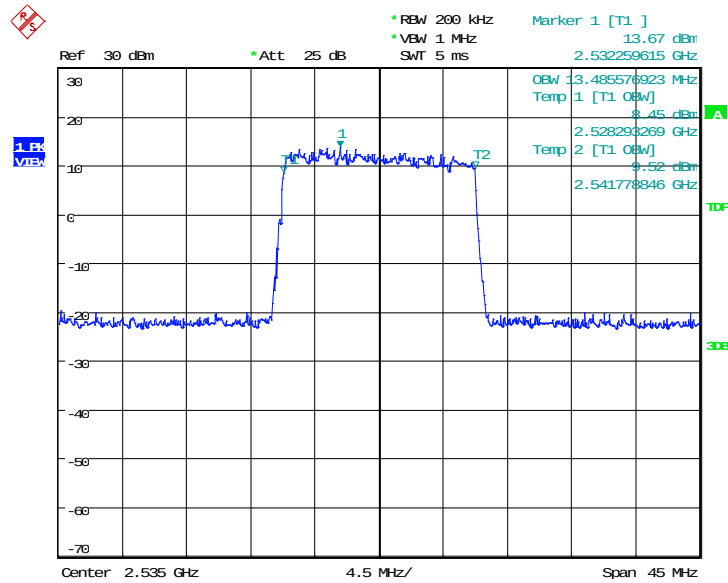
Date: 15. JAN. 2020 06:41:43

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



Date: 15. JAN. 2020 06:41:57

LTE band 7, 15MHz Bandwidth, 64QAM (99% BW)

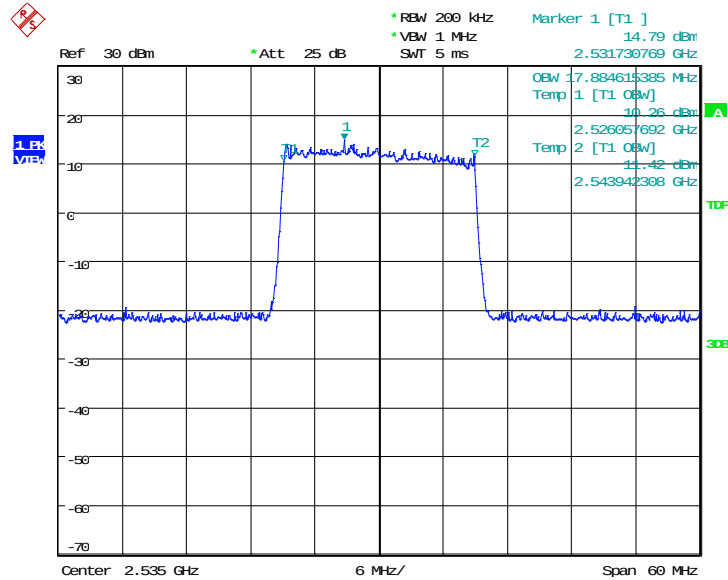


Date: 15.JAN.2020 07:12:53

LTE band 7, 20MHz (99% BW)

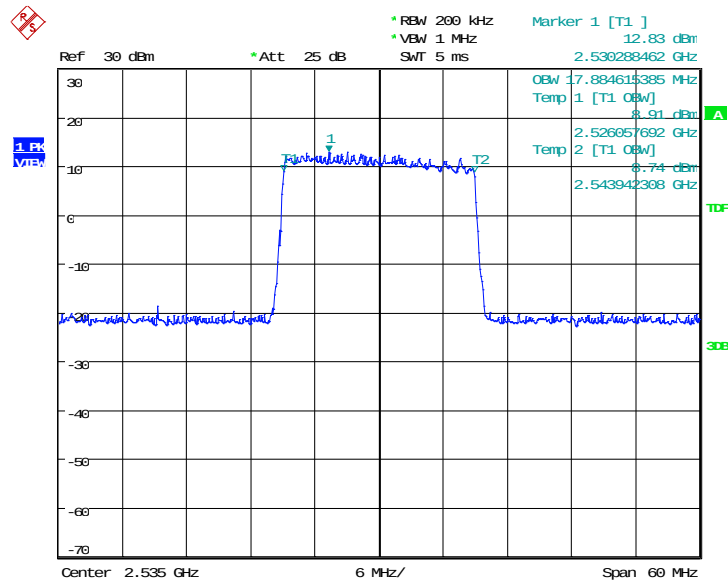
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	17884.62	17884.62	17884.62

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



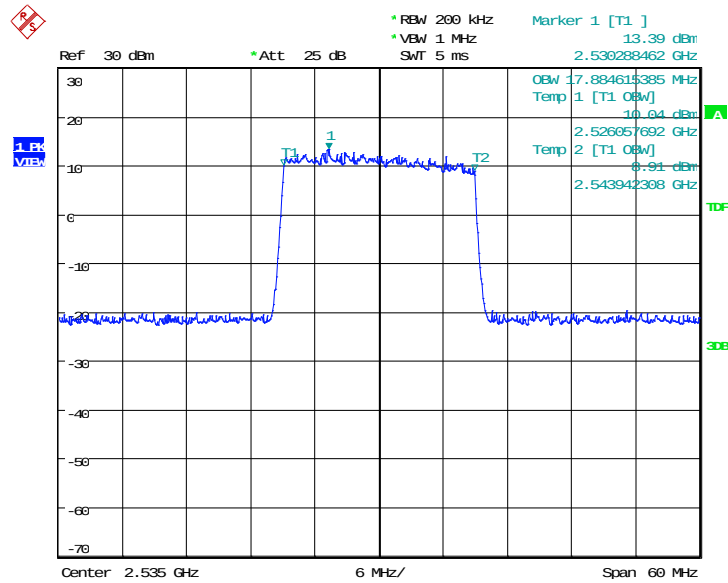
Date: 15.JAN.2020 06:47:10

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



Date: 15.JAN.2020 06:47:24

LTE band 7, 20MHz Bandwidth, 64QAM (99% BW)



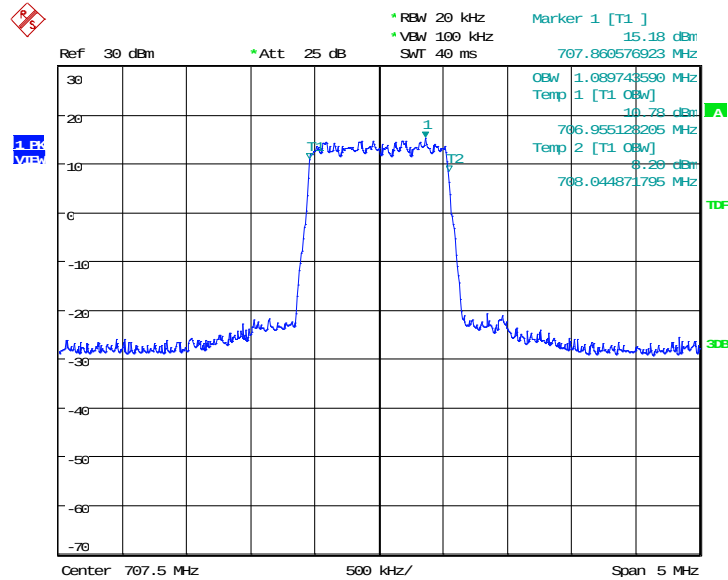
Date: 15.JAN.2020 07:16:20

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

LTE band 12, 1.4MHz (99% BW)

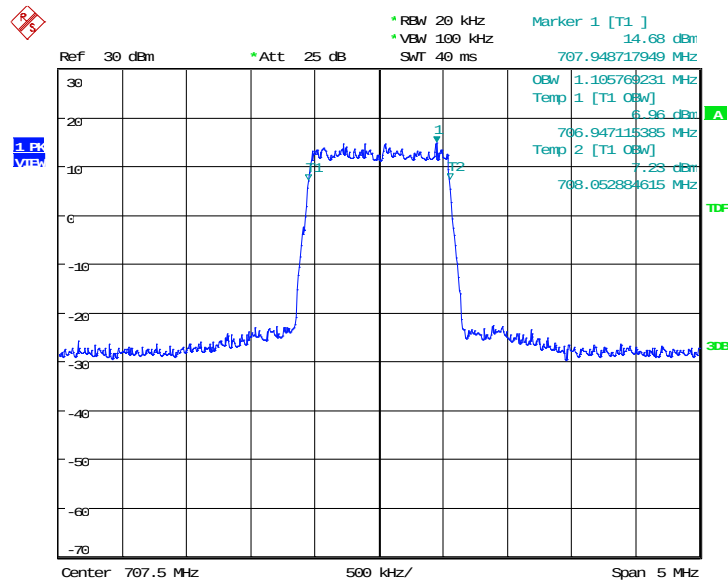
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	1089.74	1105.77	1089.74

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



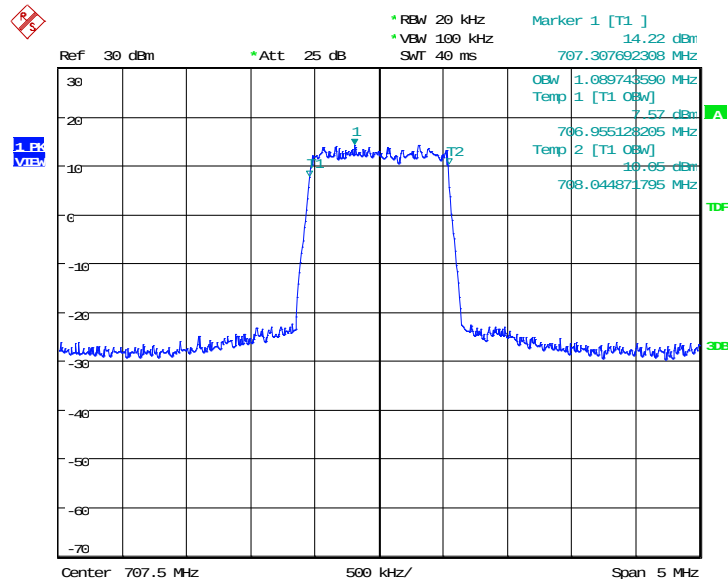
Date: 13.JAN.2020 17:08:43

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



Date: 13.JAN.2020 17:08:57

LTE band 12, 1.4MHz Bandwidth, 64QAM (99% BW)

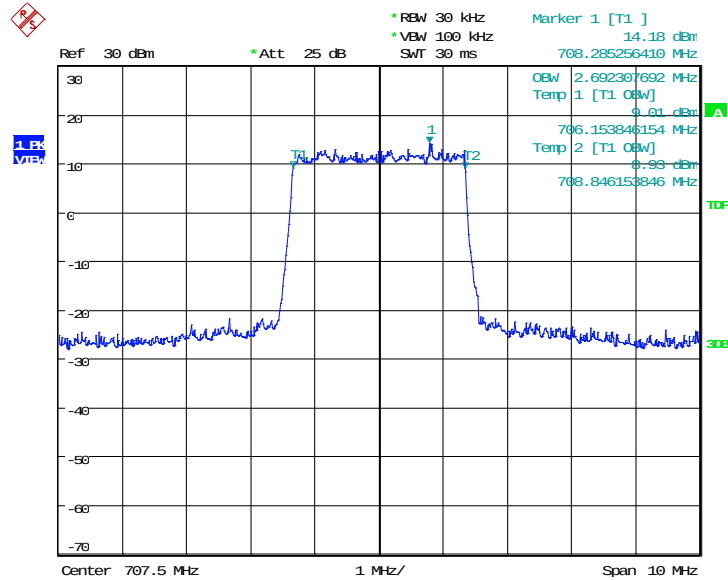


Date: 15.JAN.2020 09:28:26

LTE band 12, 3MHz (99% BW)

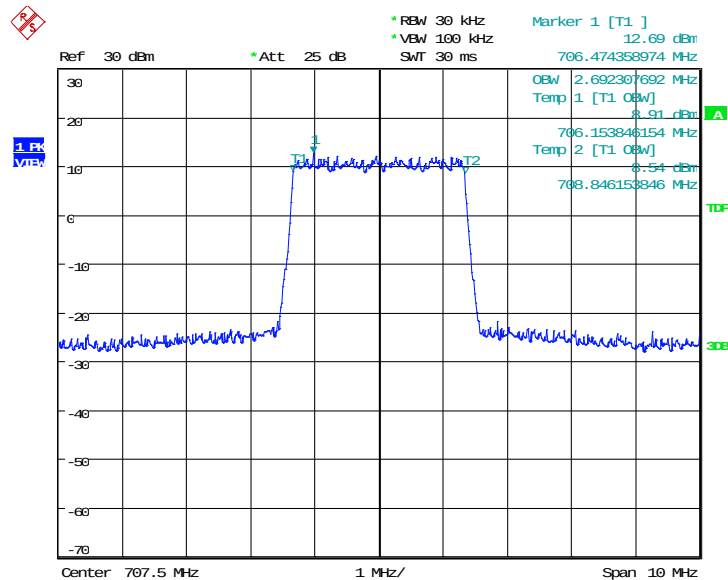
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

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



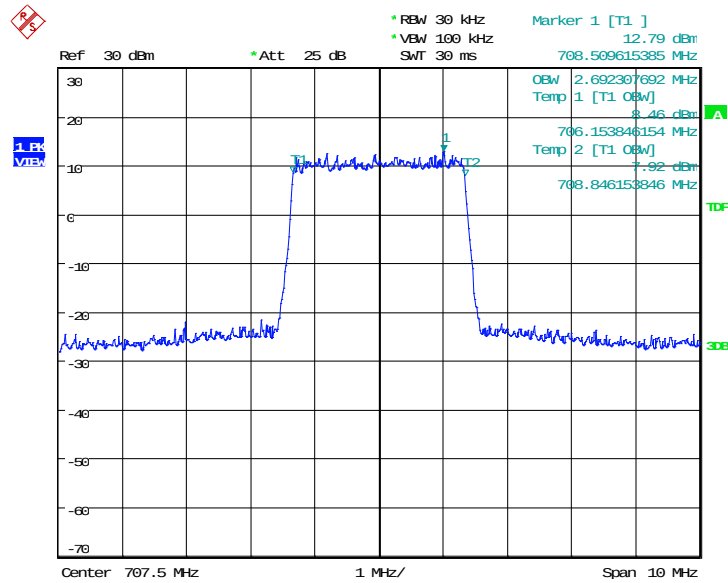
Date: 13.JAN.2020 17:14:10

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



Date: 13.JAN.2020 17:14:24

LTE band 12, 3MHz Bandwidth, 64QAM (99% BW)

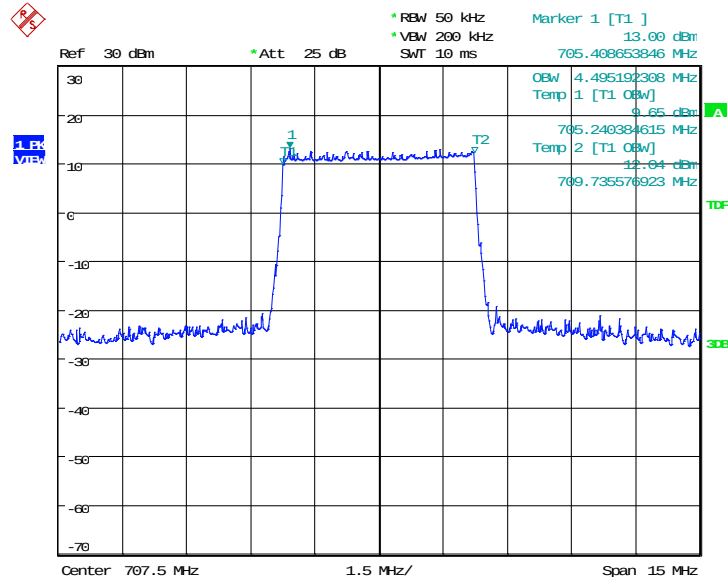


Date: 15.JAN.2020 09:31:53

LTE band 12, 5MHz (99% BW)

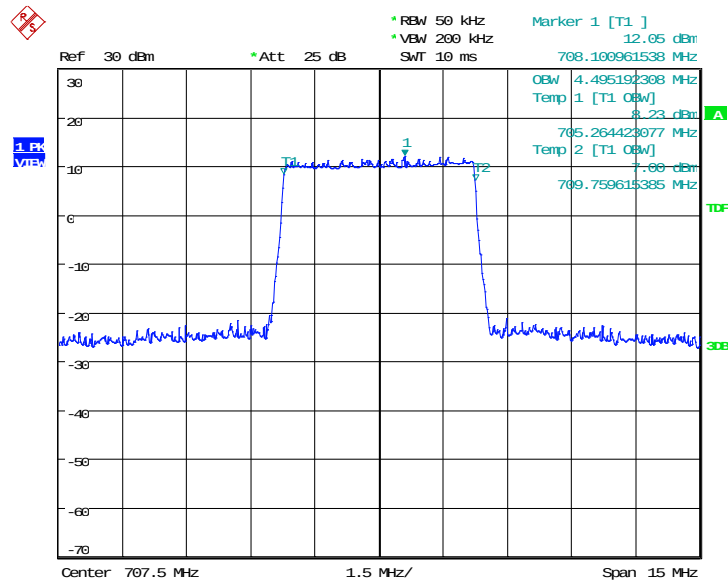
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	4495.19	4495.19	4471.15

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



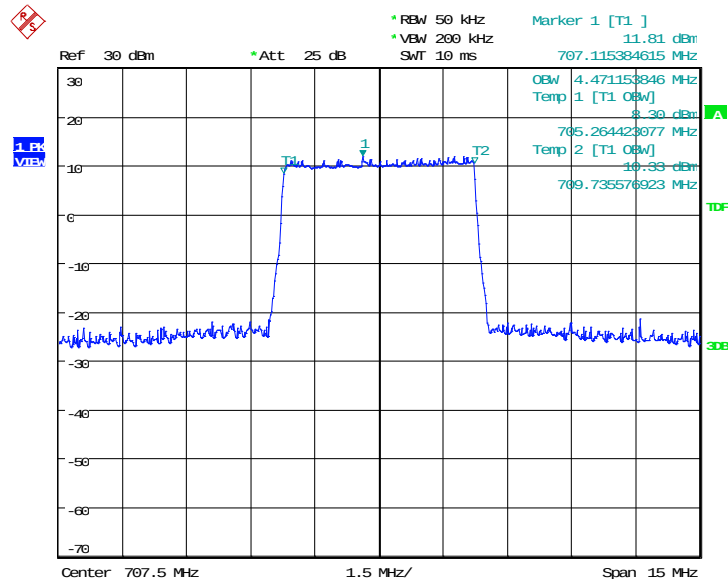
Date: 13. JAN. 2020 17:19:37

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



Date: 13. JAN. 2020 17:19:51

LTE band 12, 5MHz Bandwidth,64QAM (99% BW)

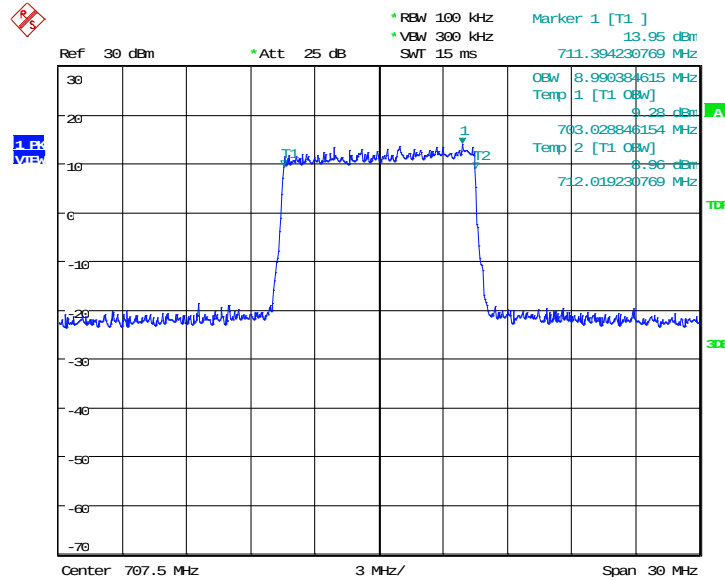


Date: 15.JAN.2020 09:35:50

LTE band 12, 10MHz (99% BW)

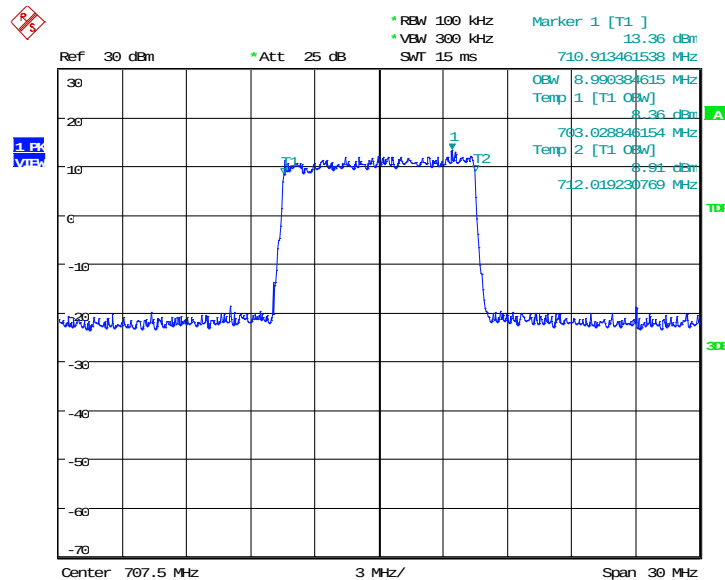
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	8990.38	8990.38	8990.38

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



Date: 13.JAN.2020 17:25:04

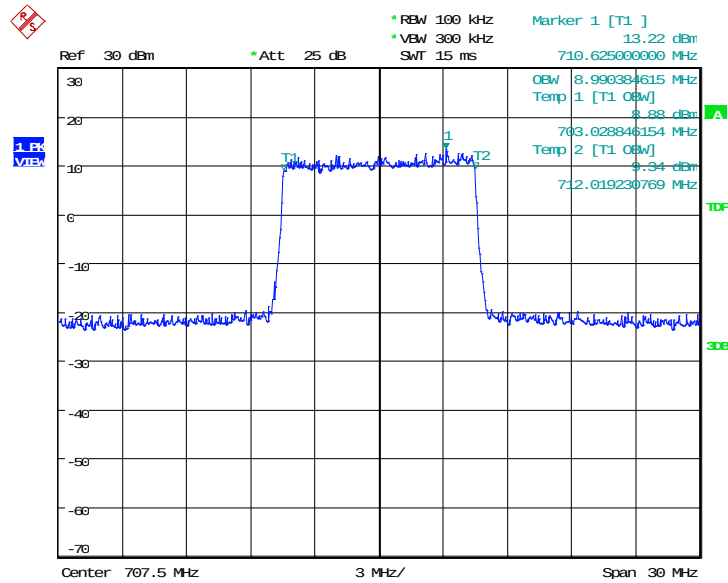
LTE band 12, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.JAN.2020 17:25:18



LTE band 12, 10MHz Bandwidth, 64QAM (99% BW)

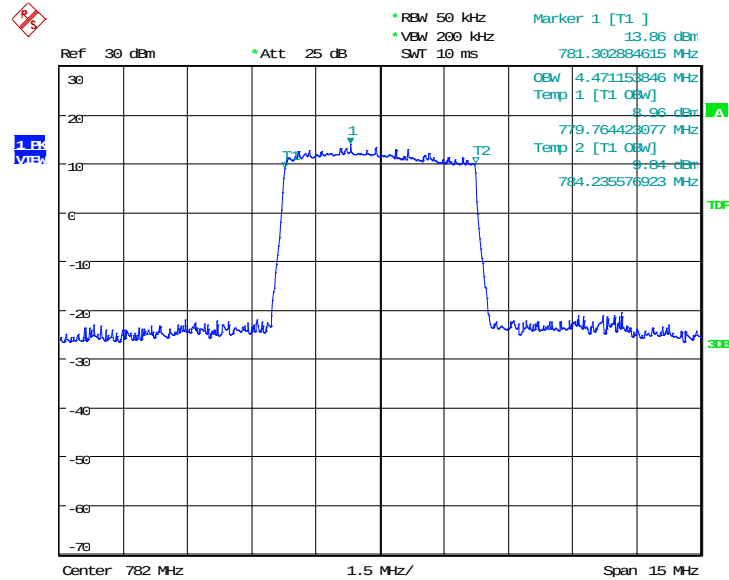


Date: 15.JAN.2020 09:39:47

LTE band 13, 5MHz (99% BW)

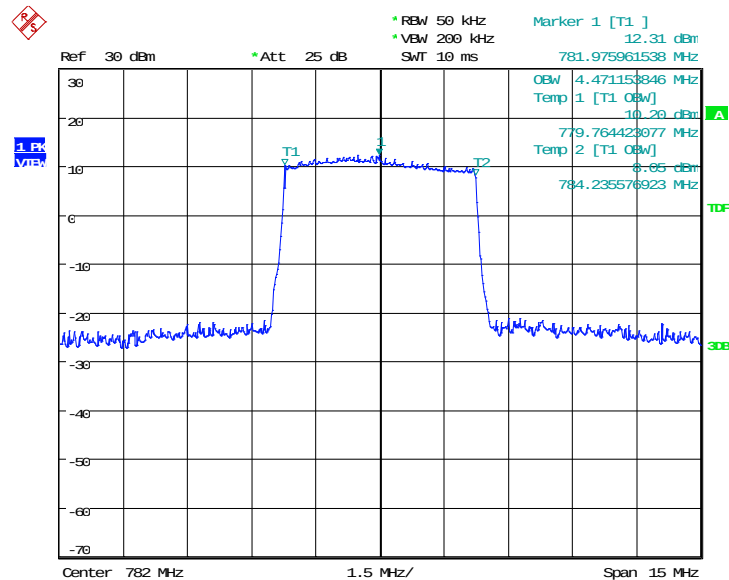
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	4471.15	4471.15	4471.15

LTE band 13, 5MHz Bandwidth, QPSK (99% BW)



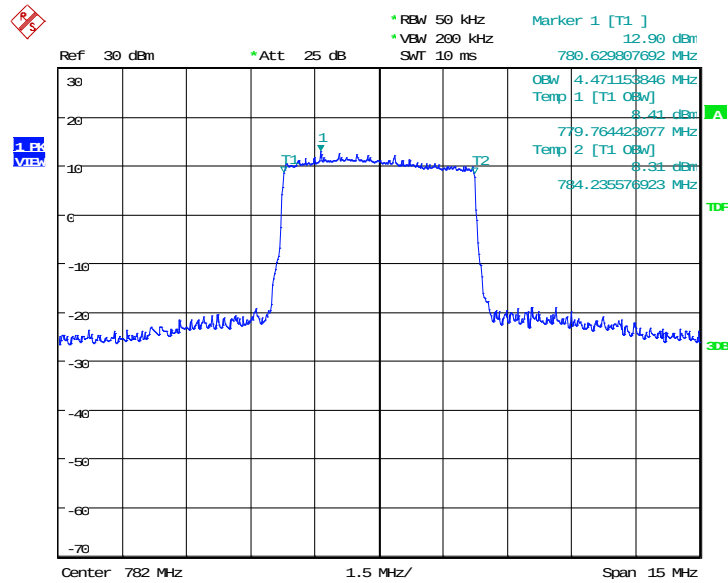
Date: 13. JAN. 2020 15:29:11

LTE band 13, 5MHz Bandwidth, 16QAM (99% BW)



Date: 13. JAN. 2020 15:29:25

LTE band 13, 5MHz Bandwidth,64QAM (99% BW)

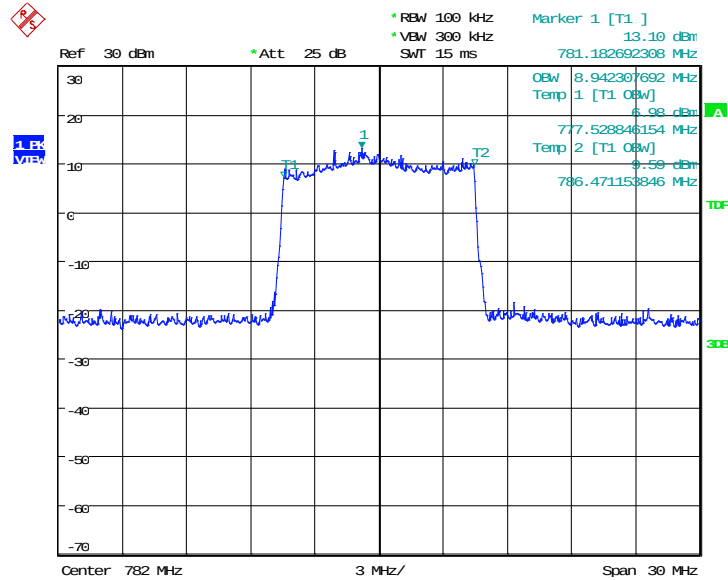


Date: 15.JAN.2020 08:25:32

LTE band 13, 10MHz (99% BW)

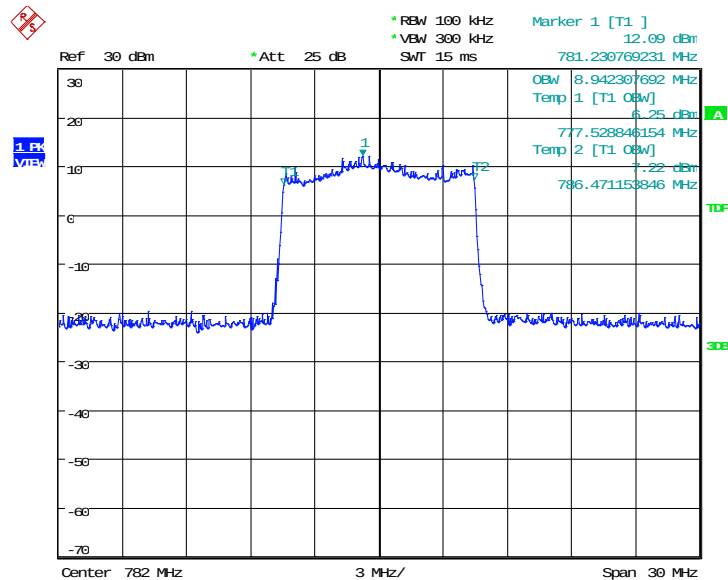
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

LTE band 13, 10MHz Bandwidth, QPSK (99% BW)



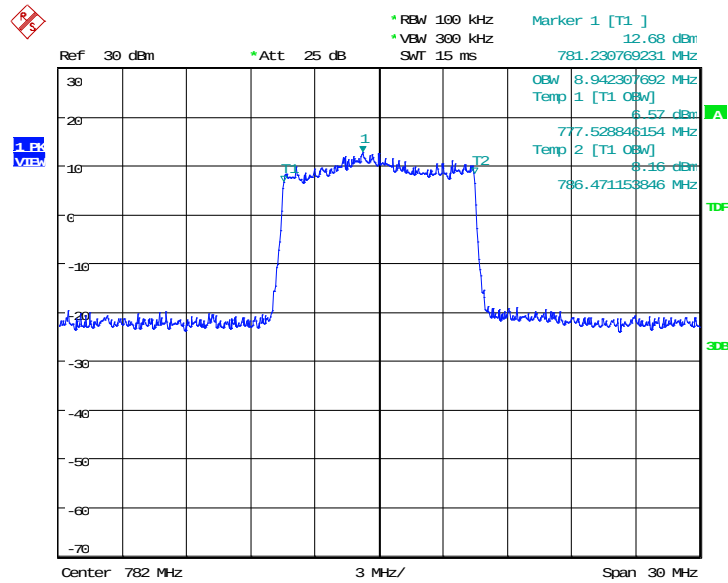
Date: 13.JAN.2020 15:35:08

LTE band 13, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.JAN.2020 15:35:22

LTE band 13, 10MHz Bandwidth, 64QAM (99% BW)

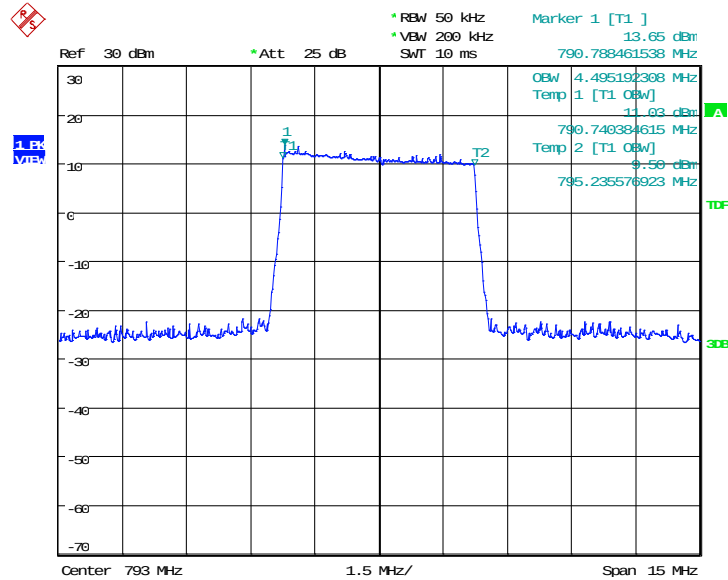


Date: 15.JAN.2020 08:28:59

LTE band 14, 5MHz (99% BW)

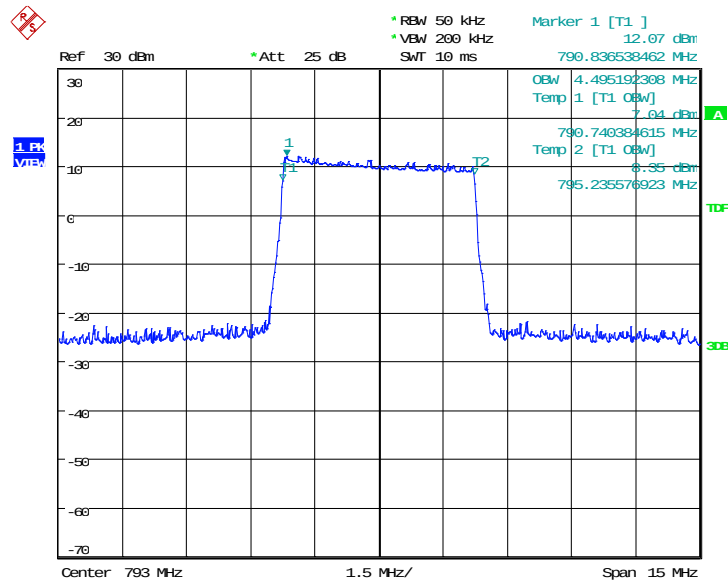
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
793.0	QPSK	16QAM	64QAM
	4495.19	4495.19	4495.19

LTE band 14, 5MHz Bandwidth, QPSK (99% BW)



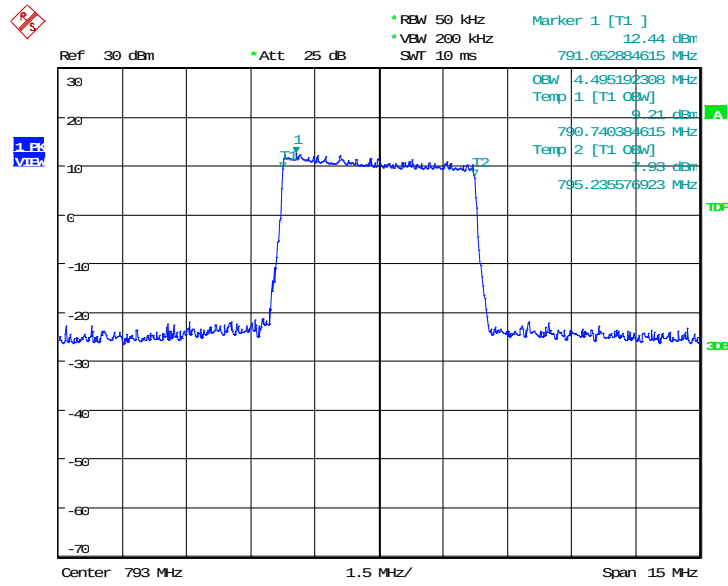
Date: 13. JAN. 2020 17:30:35

LTE band 14, 5MHz Bandwidth,16QAM (99% BW)



Date: 13. JAN. 2020 17:30:49

LTE band 14, 5MHz Bandwidth,64QAM (99% BW)

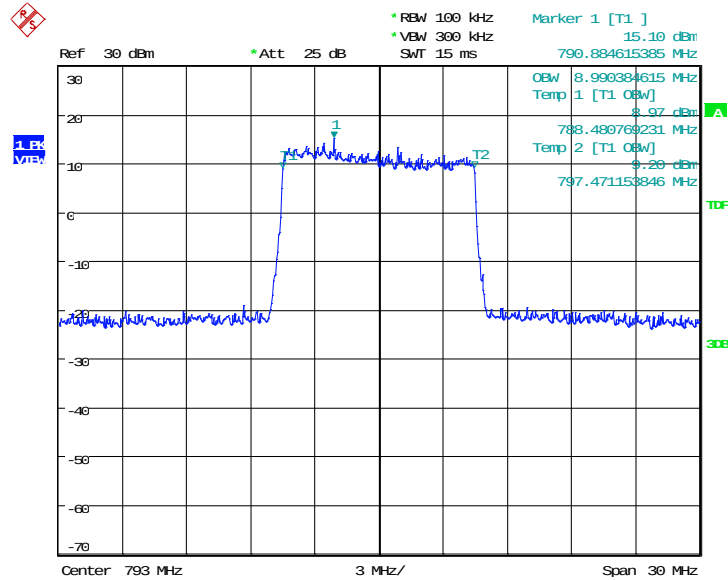


Date: 15.JAN.2020 09:43:18

LTE band 14, 10MHz (99% BW)

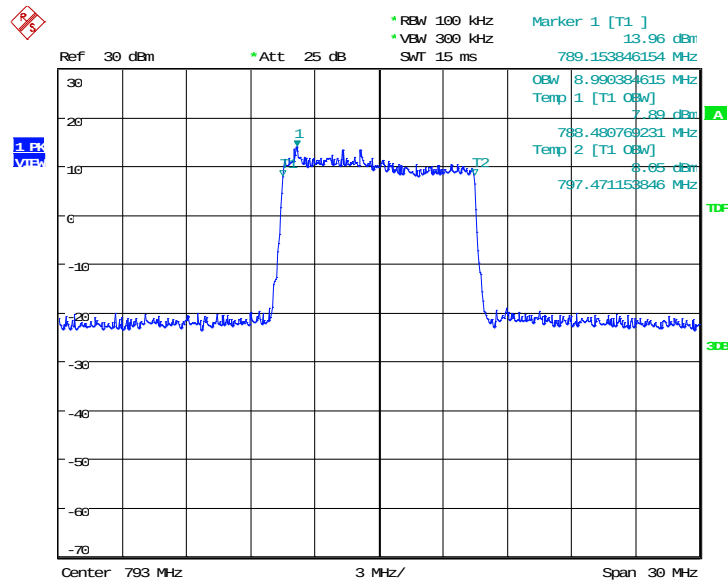
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
793.0	QPSK	16QAM	64QAM
	8990.38	8990.38	8990.38

LTE band 14, 10MHz Bandwidth, QPSK (99% BW)



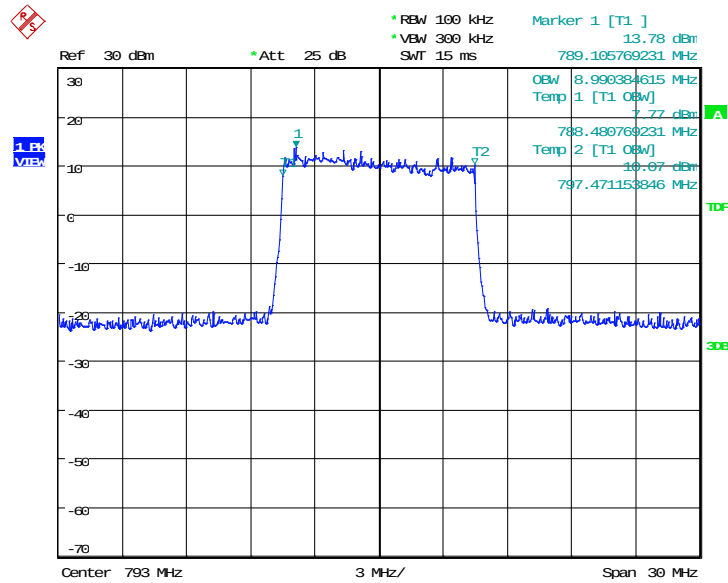
Date: 13. JAN. 2020 17:36:03

LTE band 14, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13. JAN. 2020 17:36:16

LTE band 14, 10MHz Bandwidth, 64QAM (99% BW)

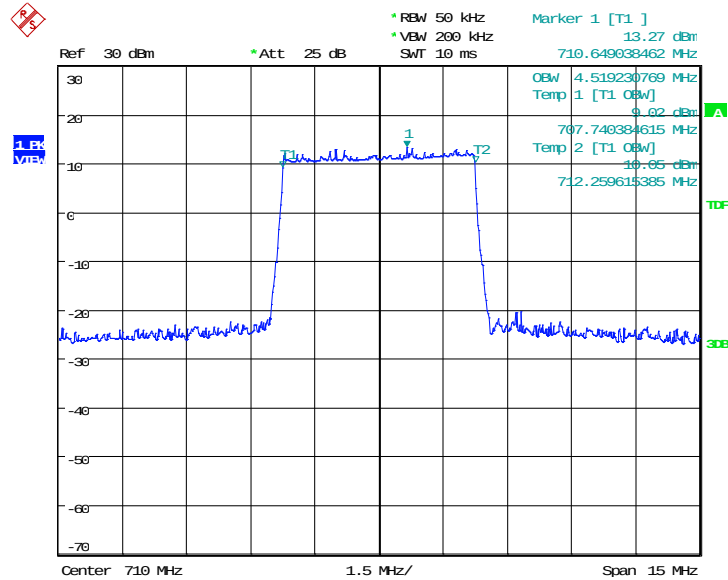


Date: 15.JAN.2020 09:46:45

LTE band 17, 5MHz (99% BW)

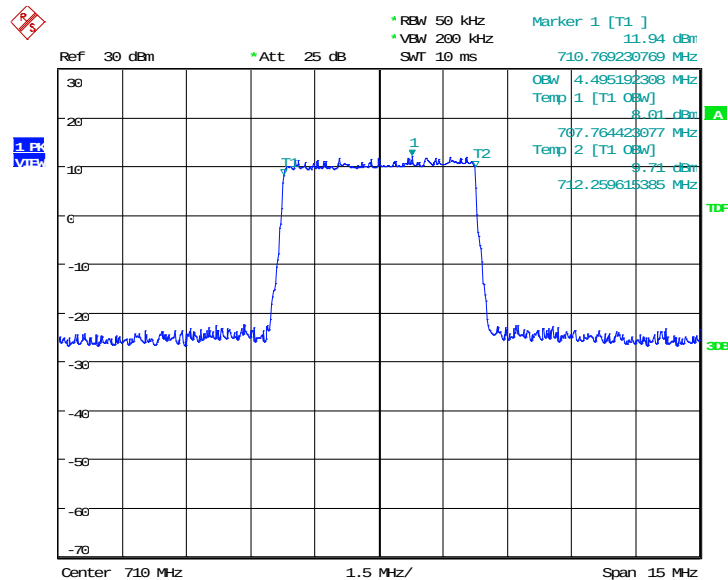
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
710.0	QPSK	16QAM	64QAM
	4519.23	4495.19	4495.19

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



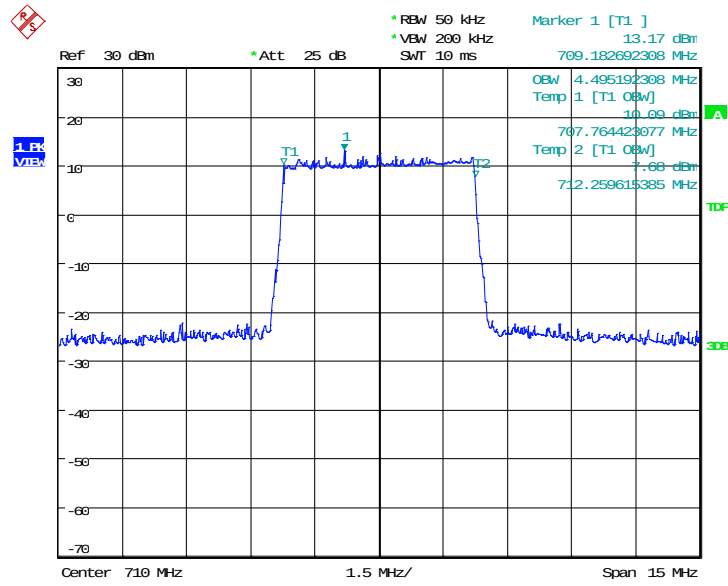
Date: 13. JAN. 2020 17:41:33

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



Date: 13. JAN. 2020 17:41:46

LTE band 17, 5MHz Bandwidth,64QAM (99% BW)

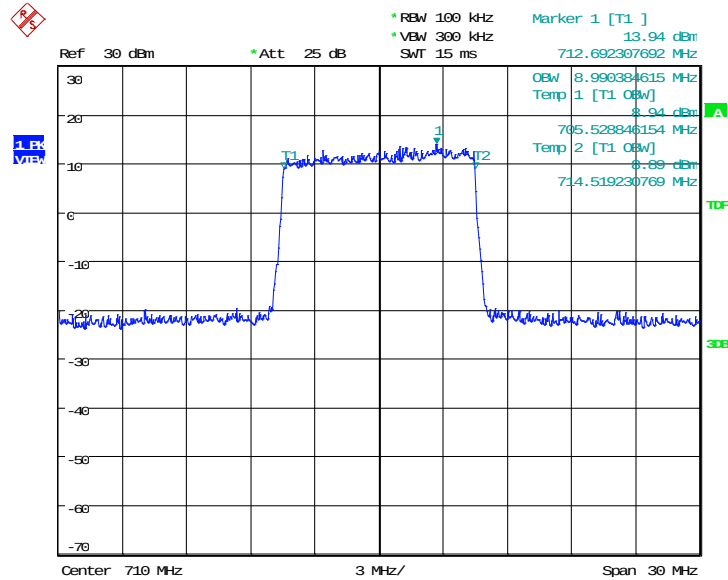


Date: 15.JAN.2020 09:50:14

LTE band 17, 10MHz (99% BW)

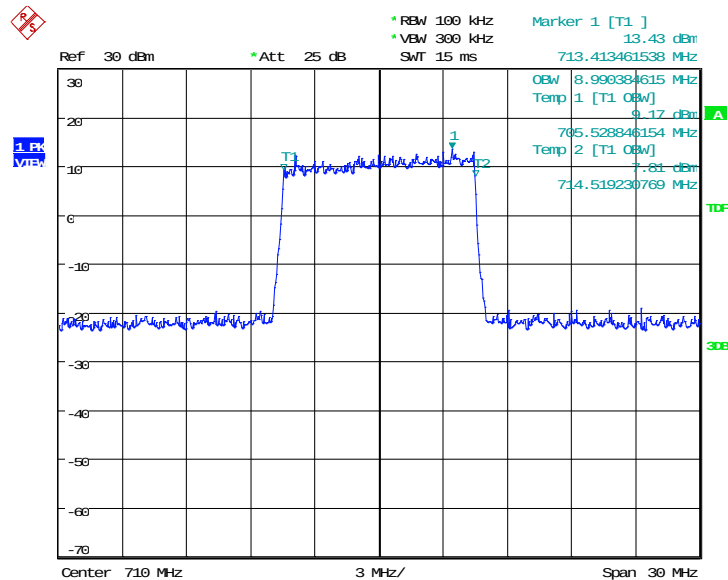
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
710.0	QPSK	16QAM	64QAM
	8990.38	8990.38	8990.38

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



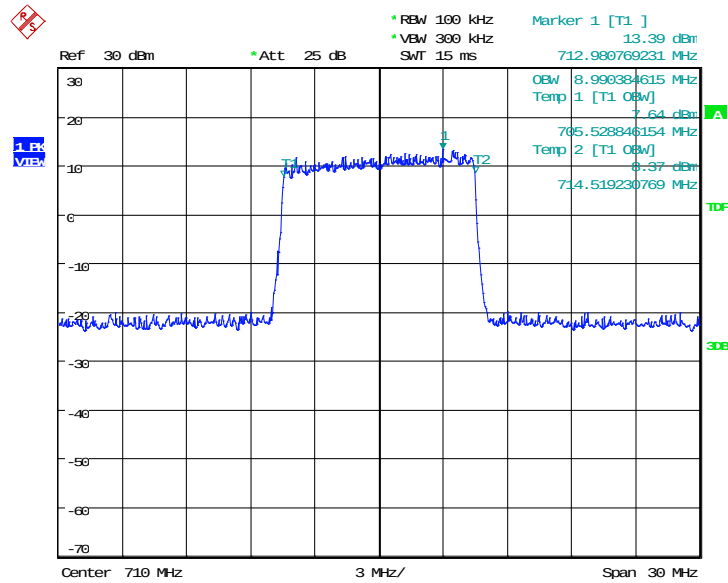
Date: 13. JAN. 2020 17:47:00

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



Date: 13. JAN. 2020 17:47:14

LTE band 17, 10MHz Bandwidth, 64QAM (99% BW)

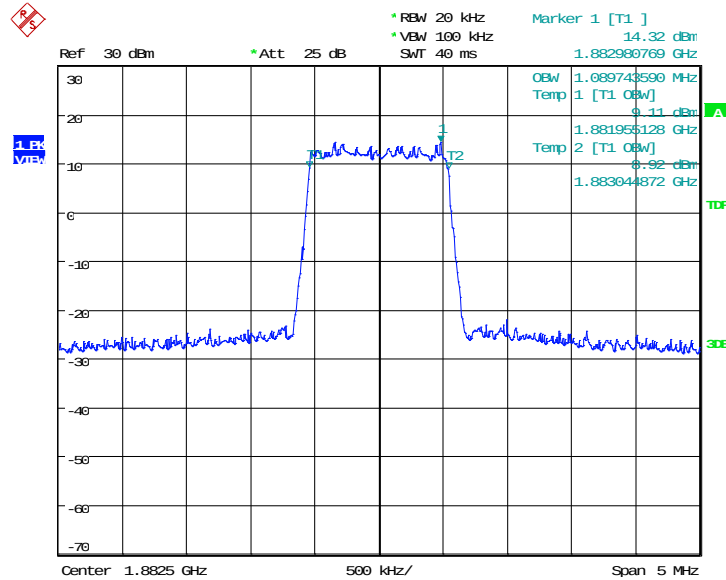


Date: 15.JAN.2020 09:53:42

LTE band 25, 1.4MHz (99% BW)

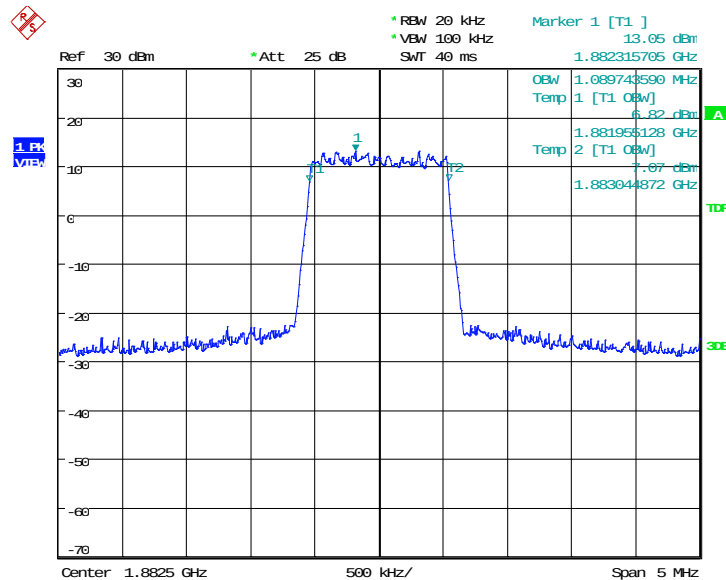
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	1089.74	1089.74	1089.74

LTE band 25, 1.4MHz Bandwidth, QPSK (99% BW)



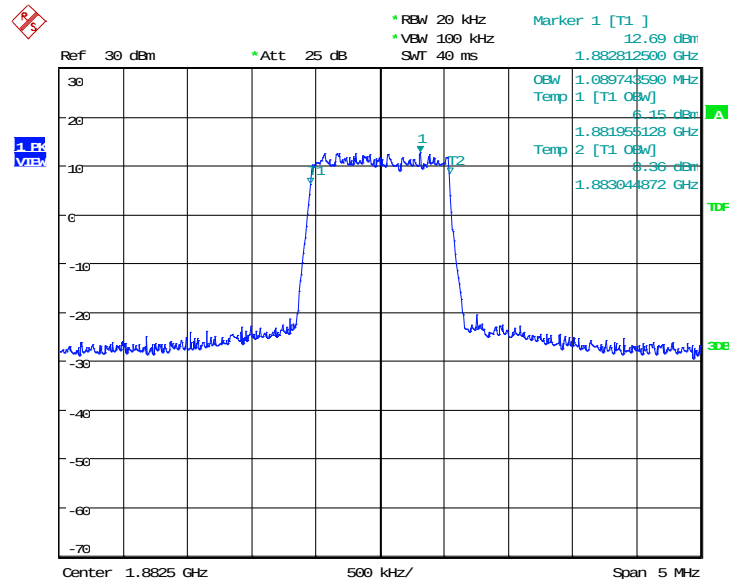
Date: 13.JAN.2020 17:52:32

LTE band 25, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.JAN.2020 17:52:46

LTE band 25, 1.4MHz Bandwidth, 64QAM (99% BW)

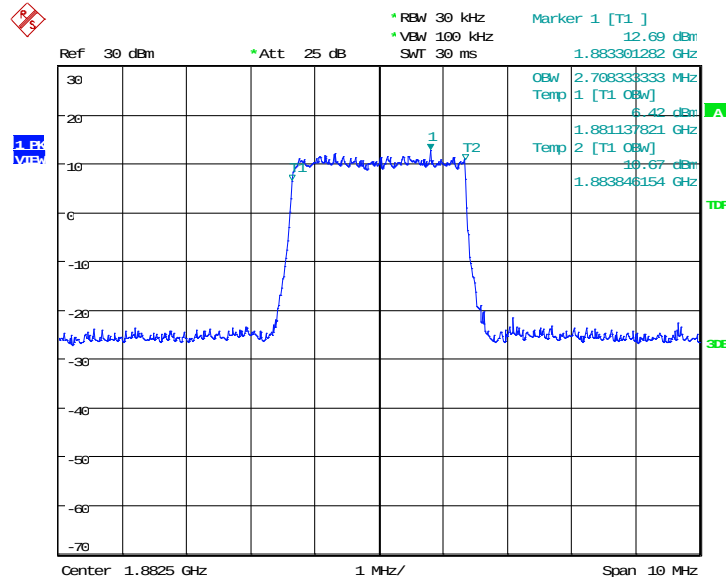


Date: 18.JAN.2020 15:44:28

LTE band25, 3MHz (99% BW)

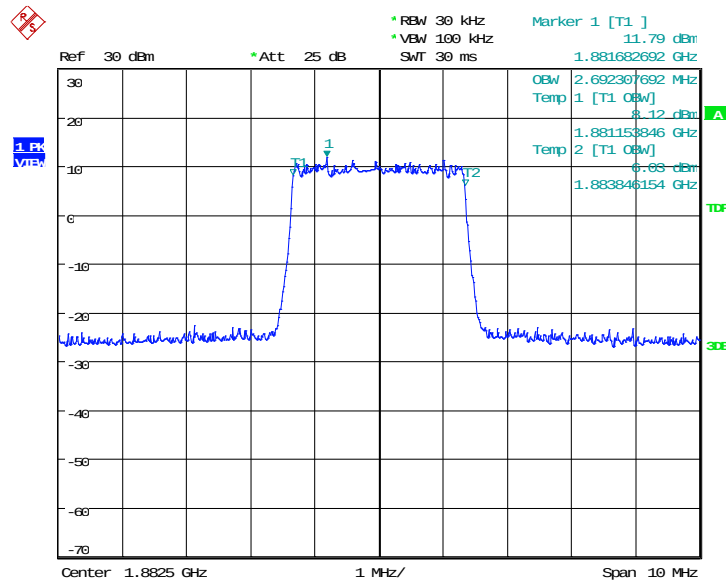
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	2708.33	2692.31	2692.31

LTE band 25, 3MHz Bandwidth, QPSK (99% BW)



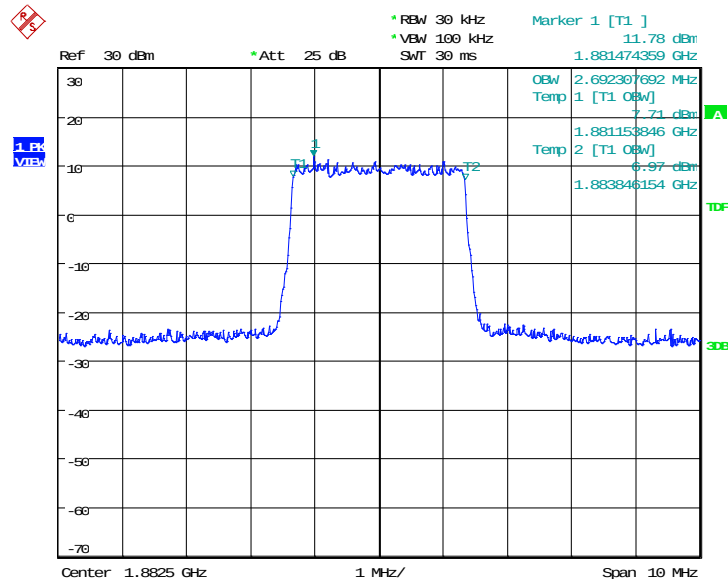
Date: 13.JAN.2020 17:58:29

LTE band 25, 3MHz Bandwidth, 16QAM (99% BW)



Date: 13.JAN.2020 17:58:43

LTE band 25, 3MHz Bandwidth, 64QAM (99% BW)

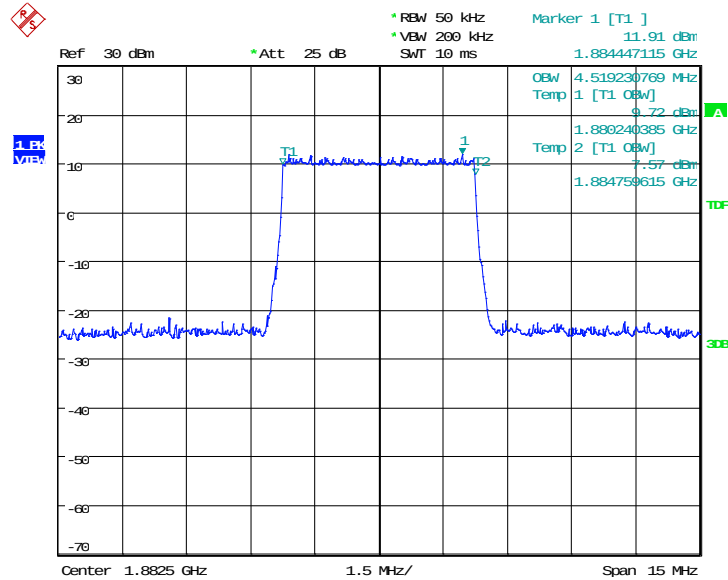


Date: 18.JAN.2020 15:48:52

LTE band 25, 5MHz (99% BW)

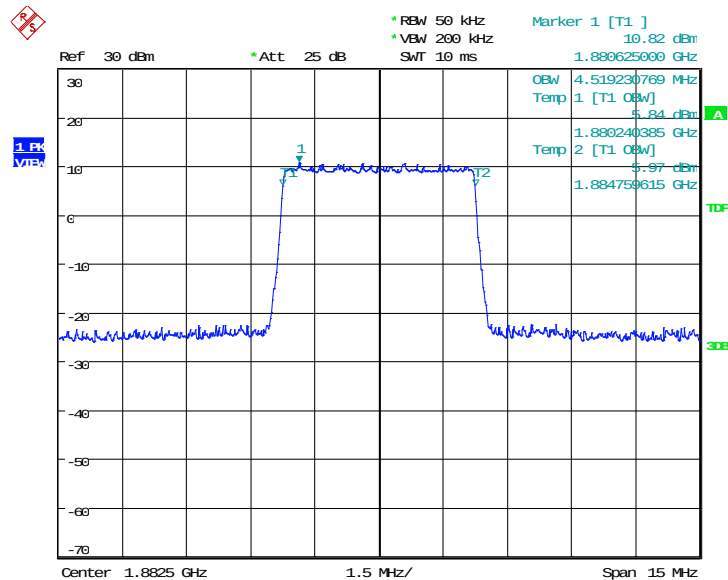
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	4519.23	4519.23	4495.19

LTE band 25, 5MHz Bandwidth, QPSK (99% BW)



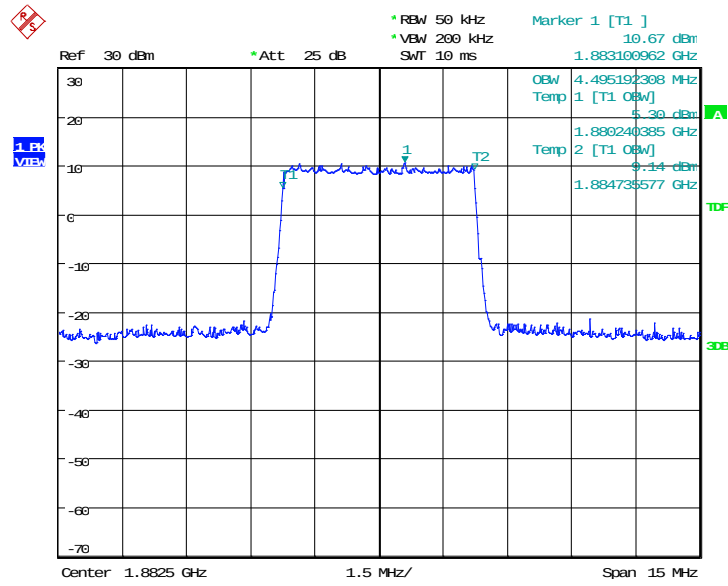
Date: 13.JAN.2020 18:03:56

LTE band 25, 5MHz Bandwidth,16QAM (99% BW)



Date: 13.JAN.2020 18:04:10

LTE band 25, 5MHz Bandwidth,64QAM (99% BW)

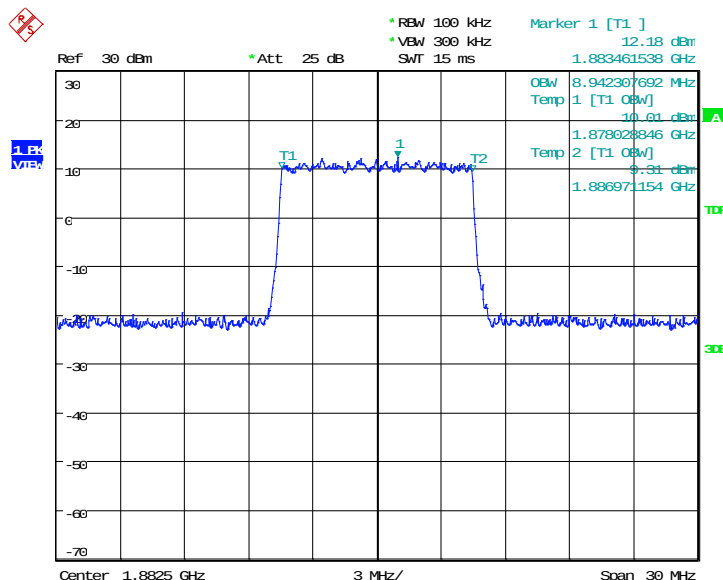


Date: 18.JAN.2020 15:53:16

LTE band 25, 10MHz (99% BW)

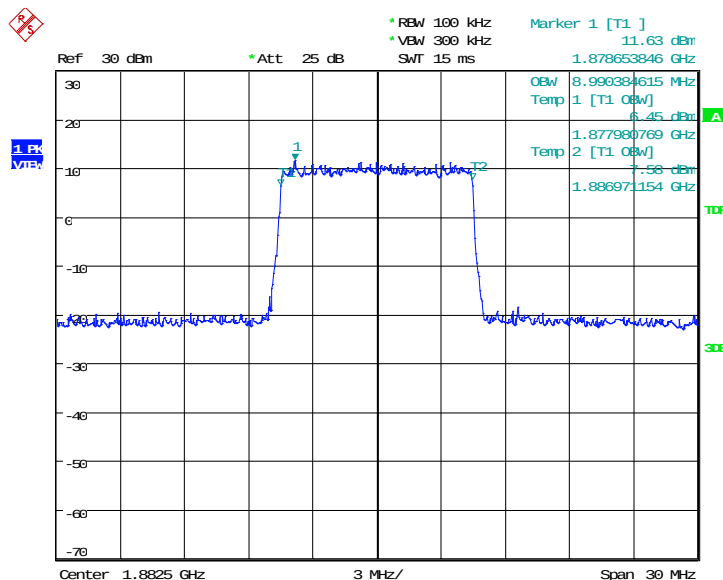
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	8942.31	8990.38	8942.31

LTE band 25, 10MHz Bandwidth, QPSK (99% BW)



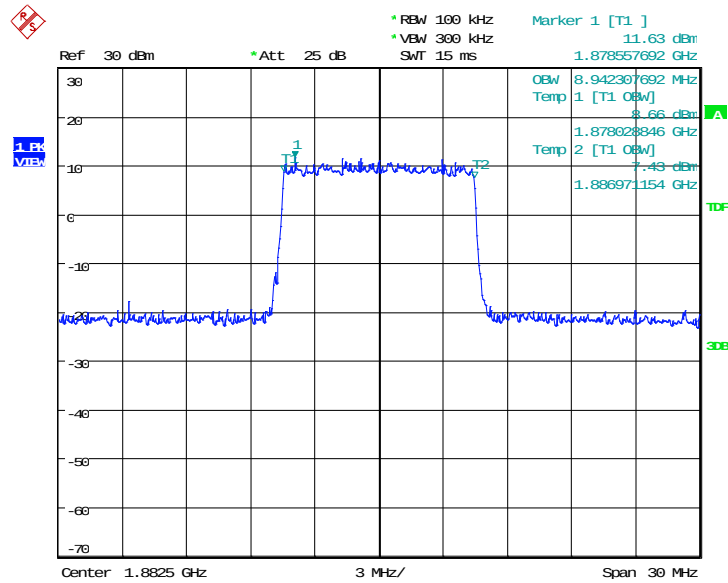
Date: 13.JAN.2020 18:09:54

LTE band 25, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.JAN.2020 18:10:07

LTE band 25, 10MHz Bandwidth, 64QAM (99% BW)

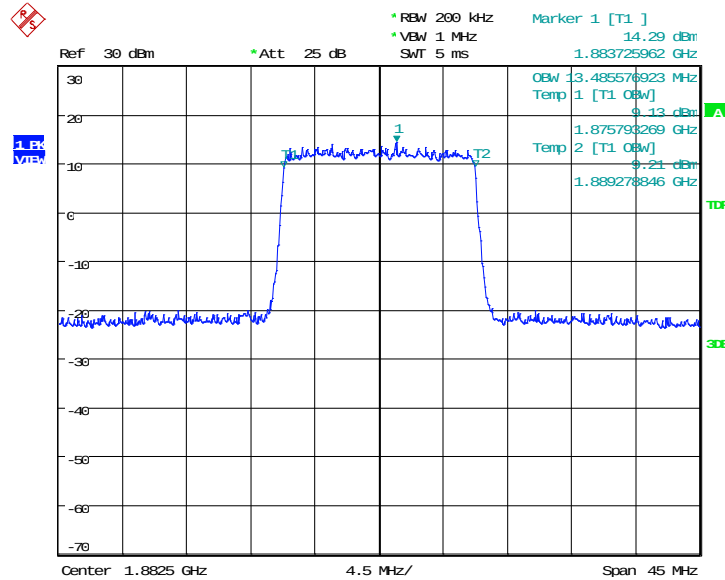


Date: 18.JAN.2020 15:58:08

LTE band 25, 15MHz (99% BW)

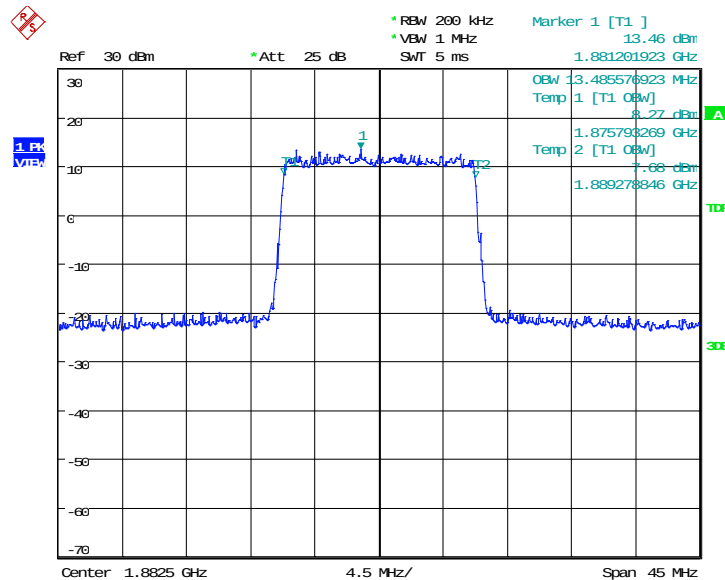
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 25, 15MHz Bandwidth, QPSK (99% BW)



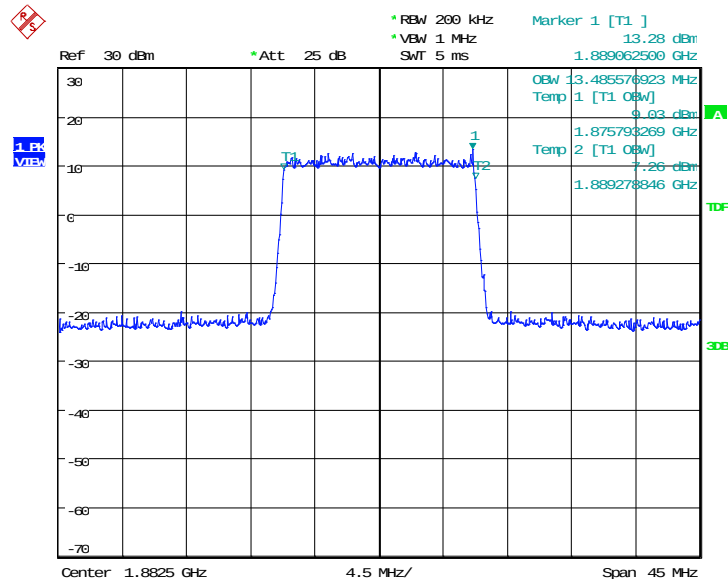
Date: 13. JAN. 2020 18:15:21

LTE band 25, 15MHz Bandwidth, 16QAM (99% BW)



Date: 13. JAN. 2020 18:15:34

LTE band 25, 15MHz Bandwidth, 64QAM (99% BW)

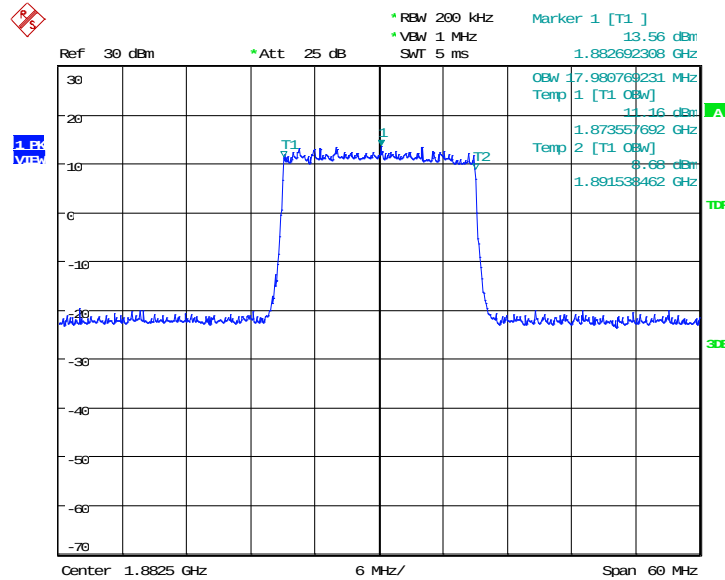


Date: 18.JAN.2020 17:34:22

LTE band 25, 20MHz (99% BW)

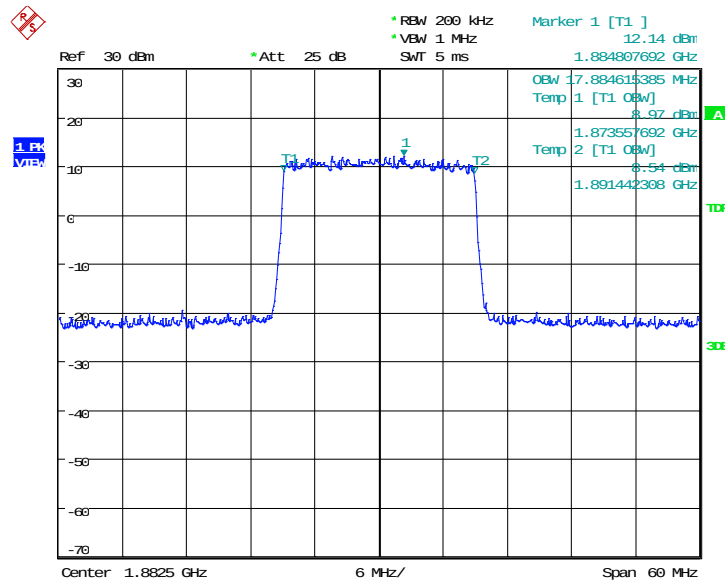
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	17980.77	17884.62	17884.62

LTE band 25, 20MHz Bandwidth, QPSK (99% BW)



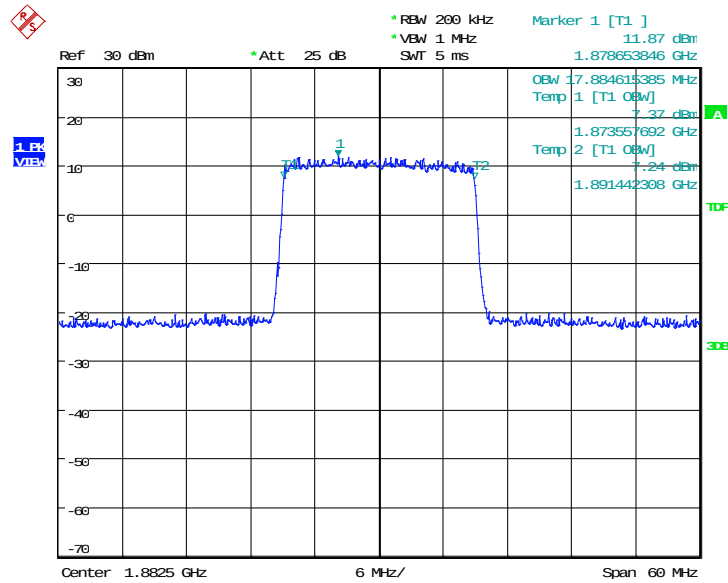
Date: 13. JAN. 2020 18:35:16

LTE band 25, 20MHz Bandwidth, 16QAM (99% BW)



Date: 13. JAN. 2020 18:35:30

LTE band 25, 20MHz Bandwidth, 64QAM (99% BW)

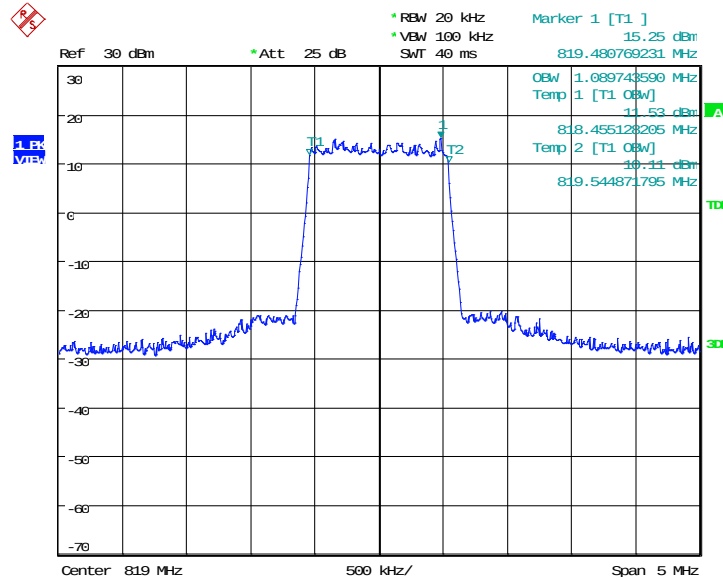


Date: 18.JAN.2020 18:04:25

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

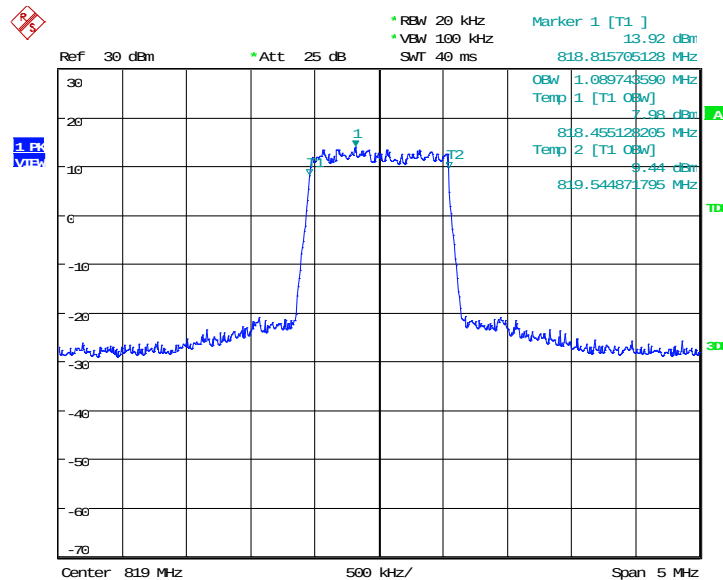
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	1089.74	1089.74	1089.74

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



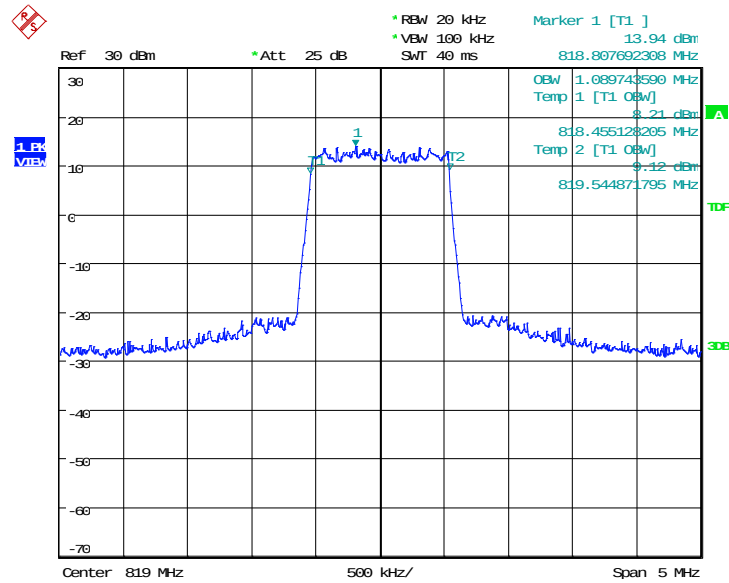
Date: 13.JAN.2020 19:07:05

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



Date: 13.JAN.2020 19:07:19

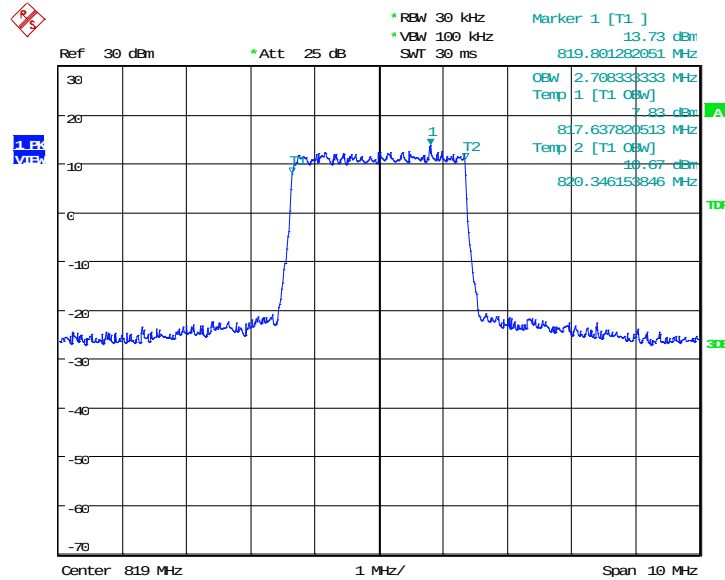
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 64QAM (99% BW)



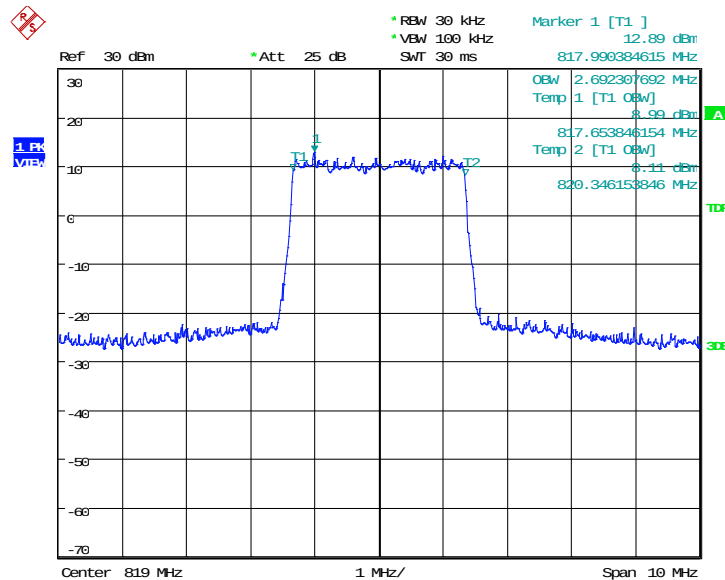
Date: 18.JAN.2020 18:43:33

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

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	2708.33	2692.31	2692.31

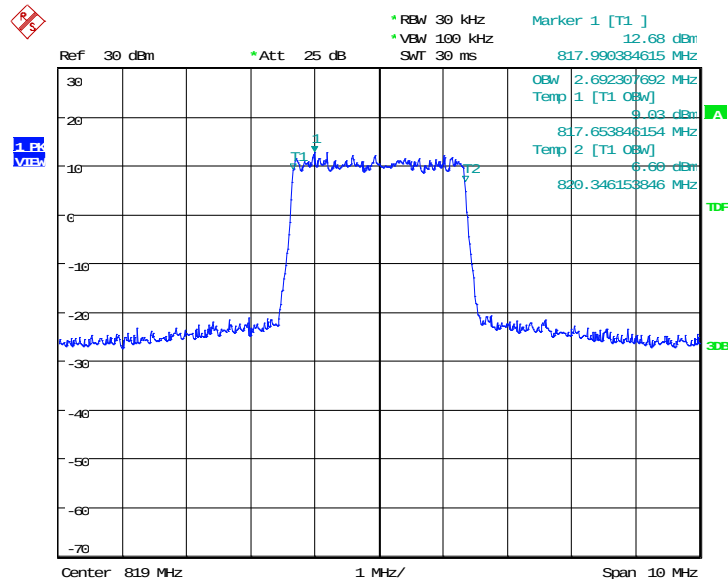
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (99% BW)


Date: 13. JAN. 2020 19:12:33

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


Date: 13. JAN. 2020 19:12:47

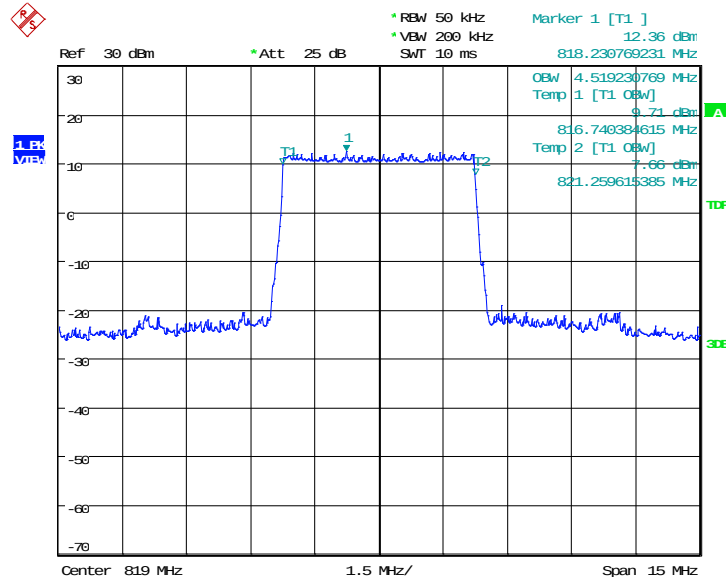
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 64QAM (99% BW)



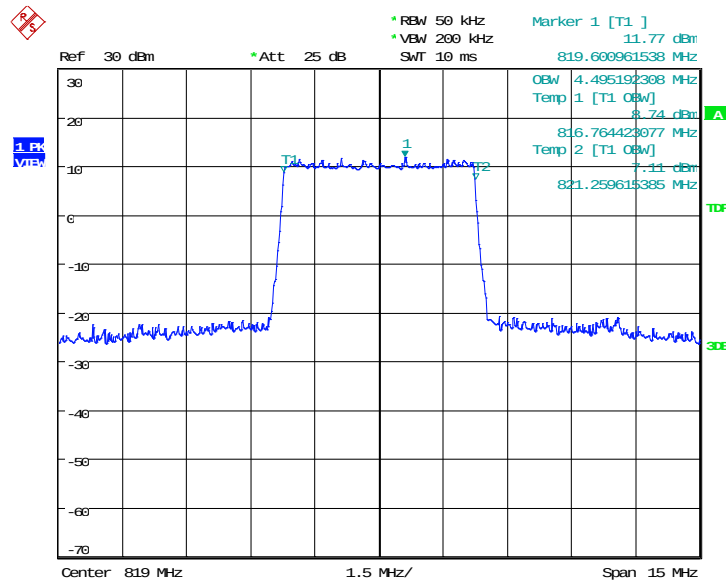
Date: 18.JAN.2020 18:47:57

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

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

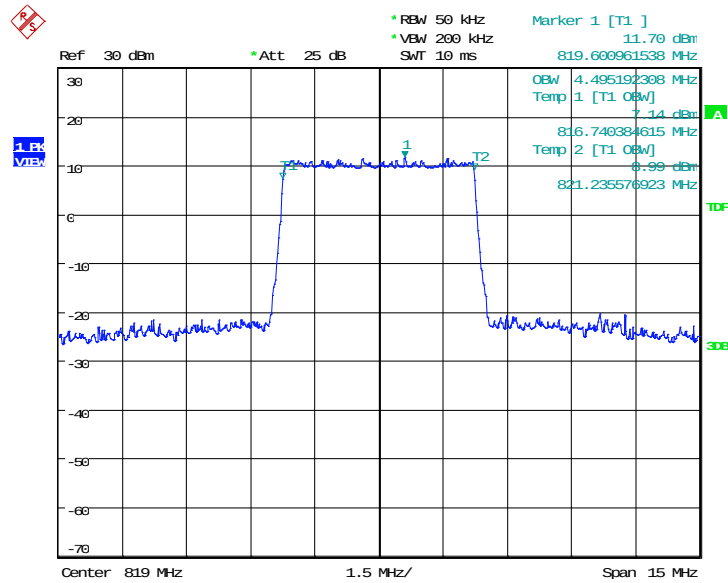
LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 13. JAN. 2020 19:18:00

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


Date: 13. JAN. 2020 19:18:14

LTE band 26(814MHz-824MHz), 5MHz Bandwidth,64QAM (99% BW)

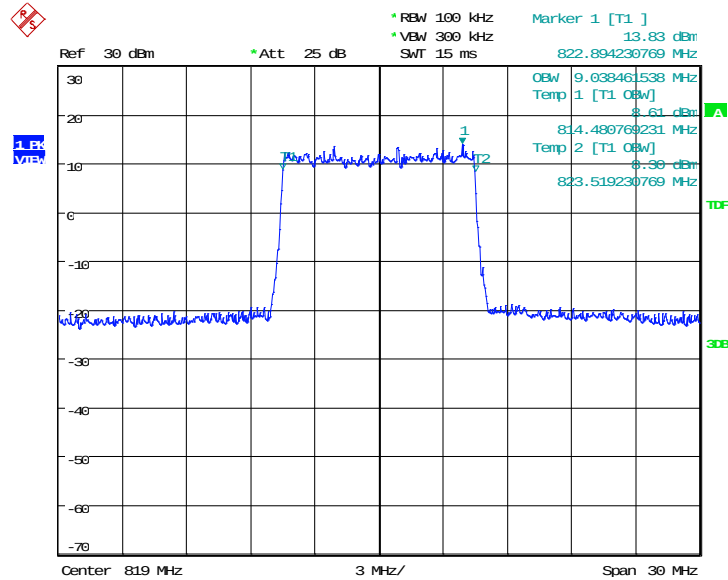


Date: 18.JAN.2020 18:52:22

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

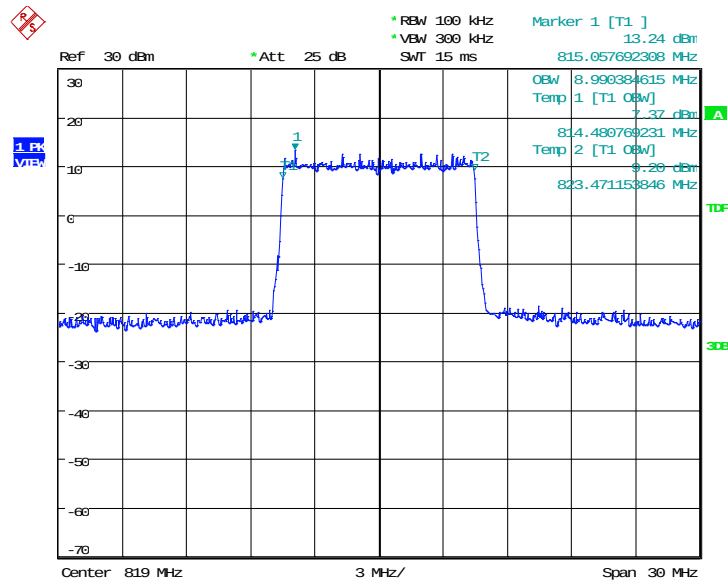
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
819.0	QPSK	16QAM	64QAM
	9038.46	8990.38	9038.46

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



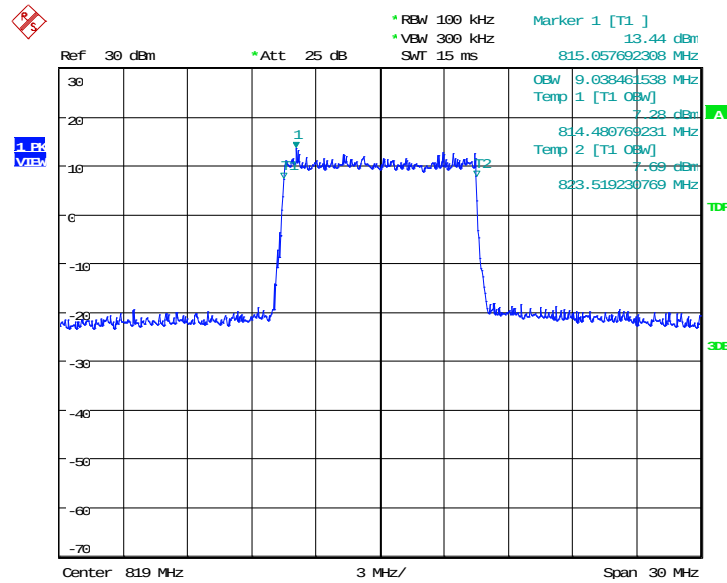
Date: 13. JAN. 2020 19:23:27

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



Date: 13. JAN. 2020 19:23:41

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 64QAM (99% BW)

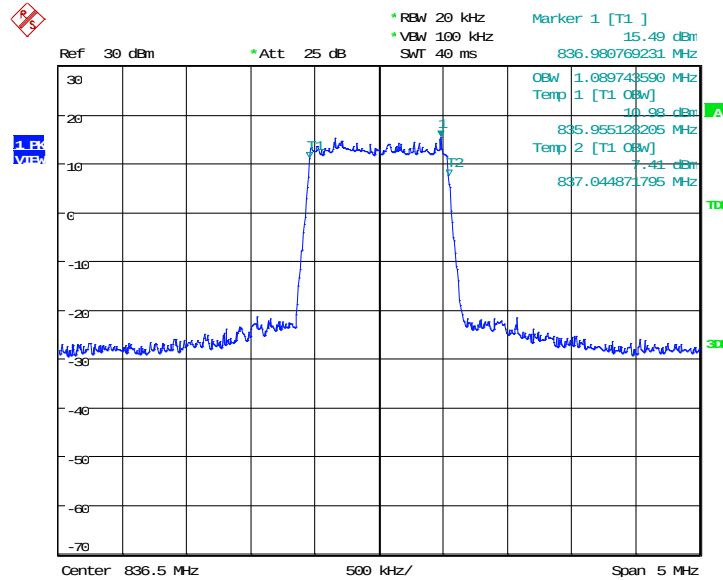


Date: 18.JAN.2020 18:57:14

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

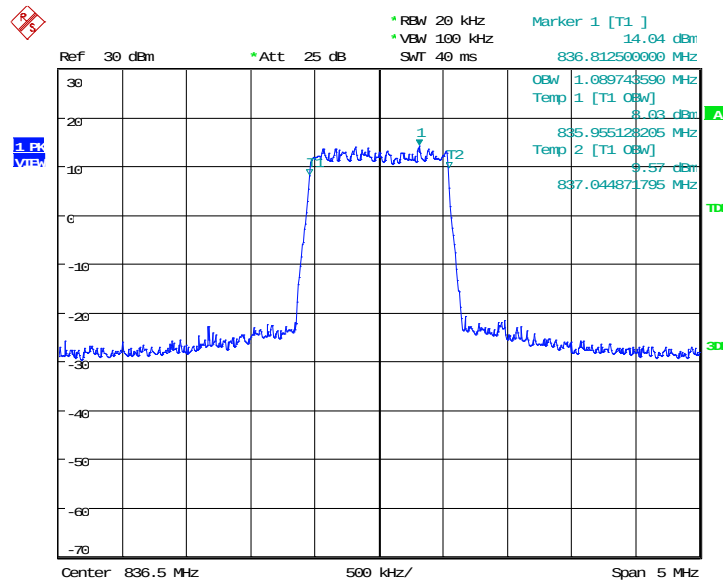
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1089.74	1089.74	1089.74

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



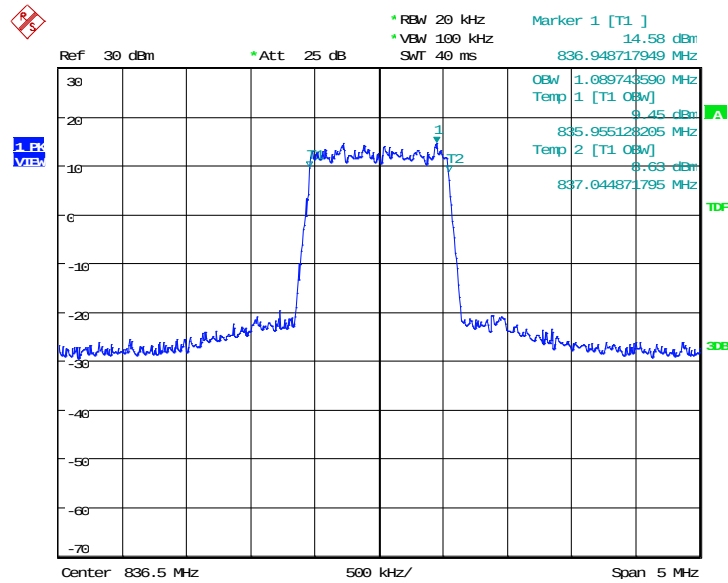
Date: 13.JAN.2020 18:39:14

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



Date: 13.JAN.2020 18:39:28

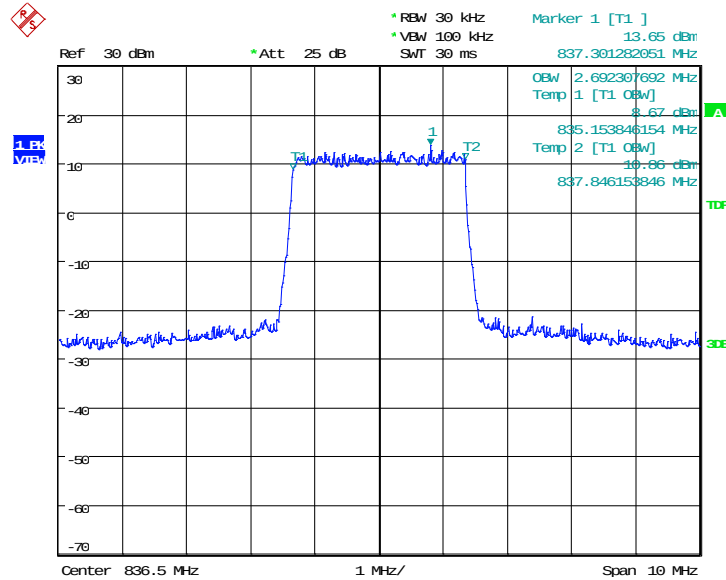
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (99% BW)



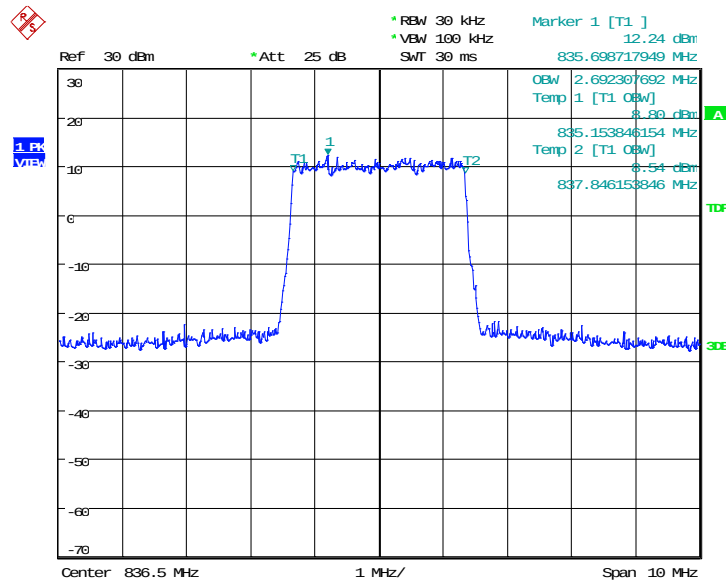
Date: 18.JAN.2020 18:21:01

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

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

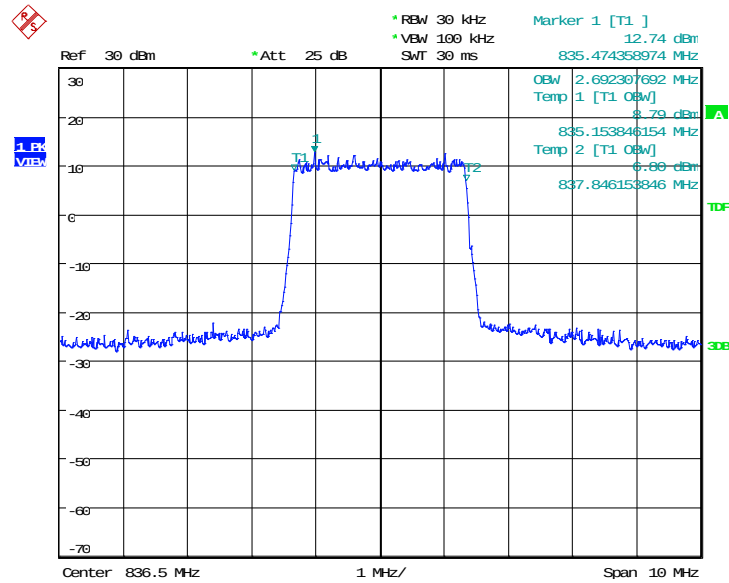
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (99% BW)


Date: 13.JAN.2020 18:44:41

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


Date: 13.JAN.2020 18:44:55

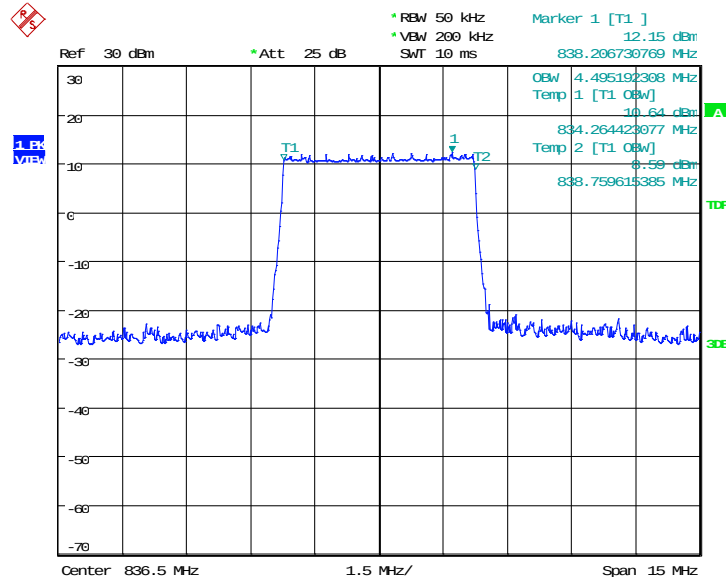
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (99% BW)



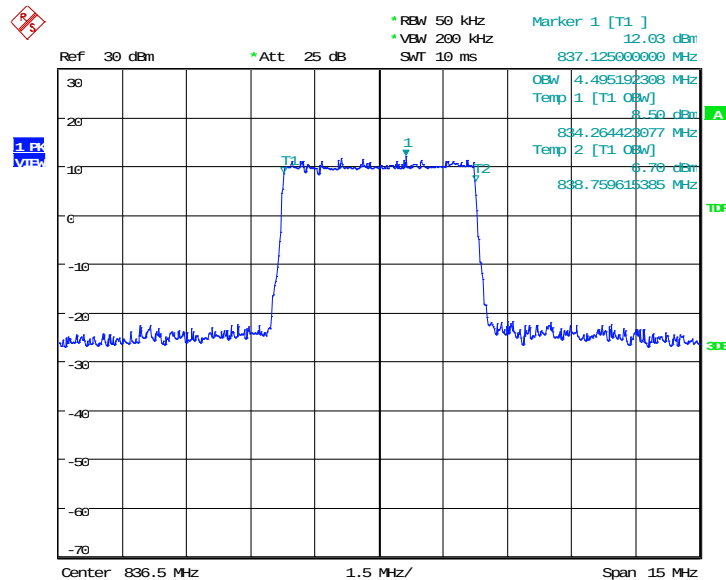
Date: 18.JAN.2020 18:25:25

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

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

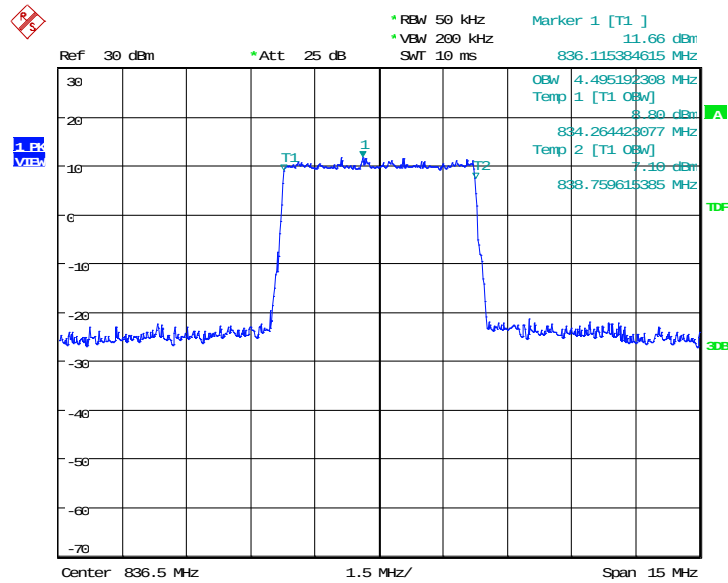
LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (99% BW)


Date: 13. JAN. 2020 18:50:09

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


Date: 13. JAN. 2020 18:50:22

LTE band 26(824MHz-849MHz), 5MHz Bandwidth,64QAM (99% BW)

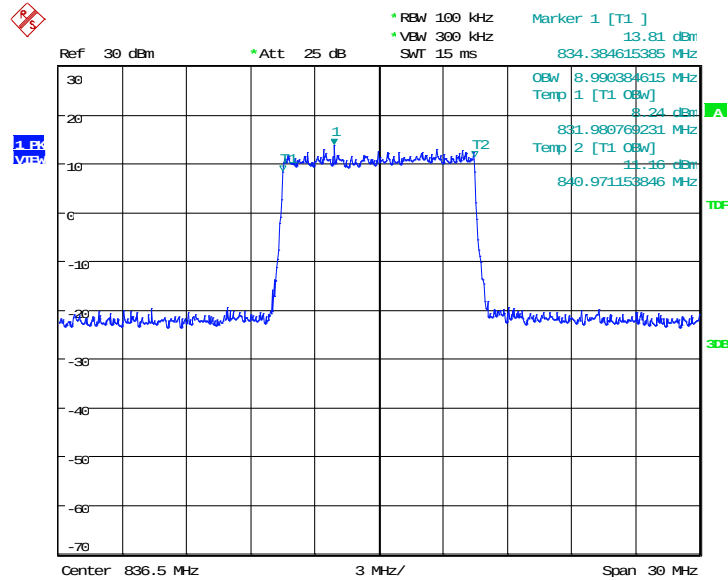


Date: 18.JAN.2020 18:29:47

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

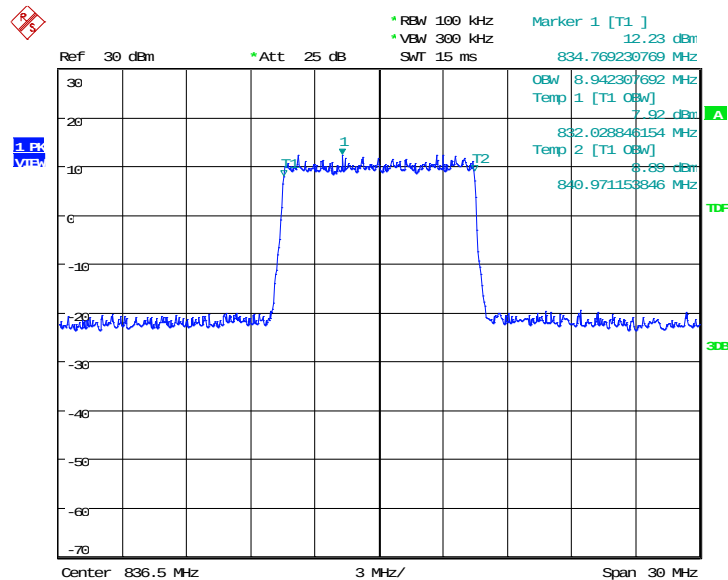
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	8990.38	8942.31	8990.38

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



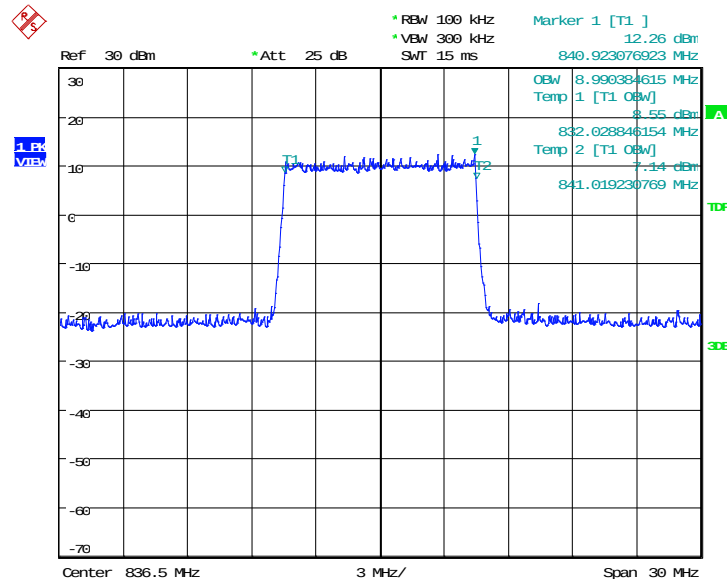
Date: 13. JAN. 2020 18:55:36

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



Date: 13. JAN. 2020 18:55:49

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 64QAM (99% BW)

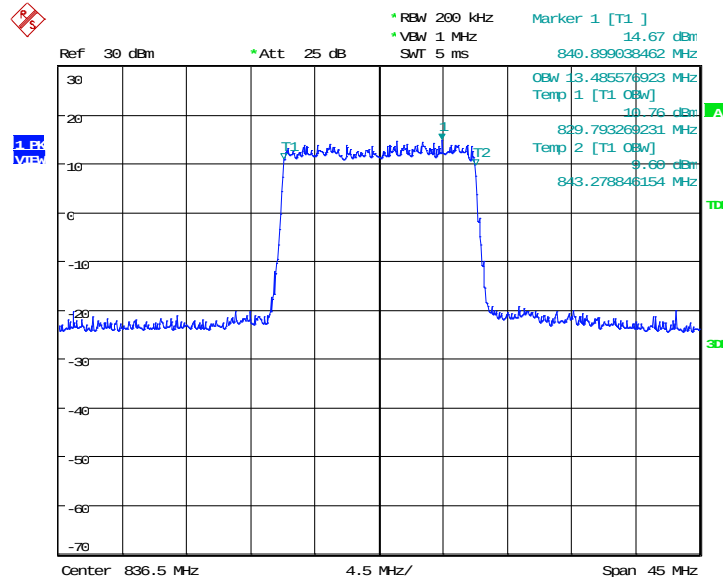


Date: 18.JAN.2020 18:34:11

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

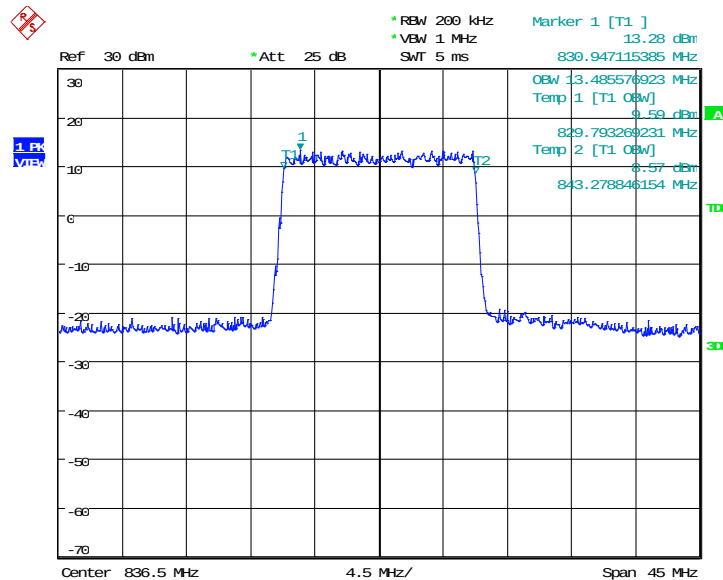
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

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



Date: 13. JAN. 2020 19:01:03

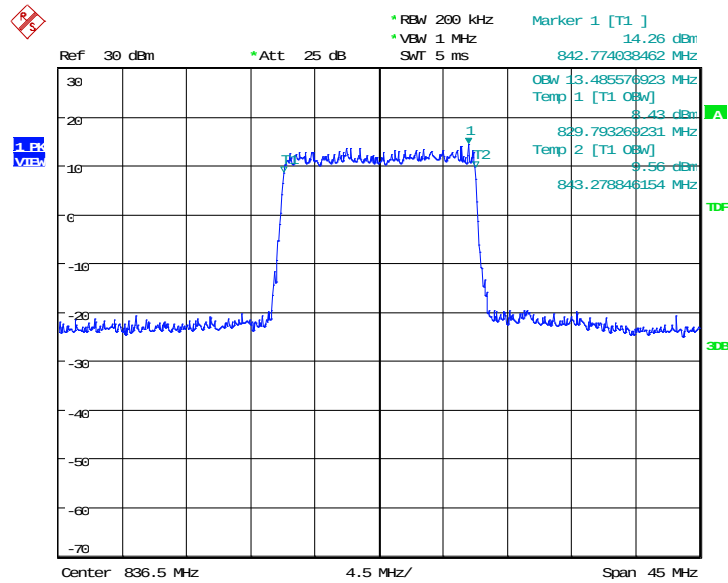
LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (99% BW)



Date: 13. JAN. 2020 19:01:16



LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 64QAM (99% BW)

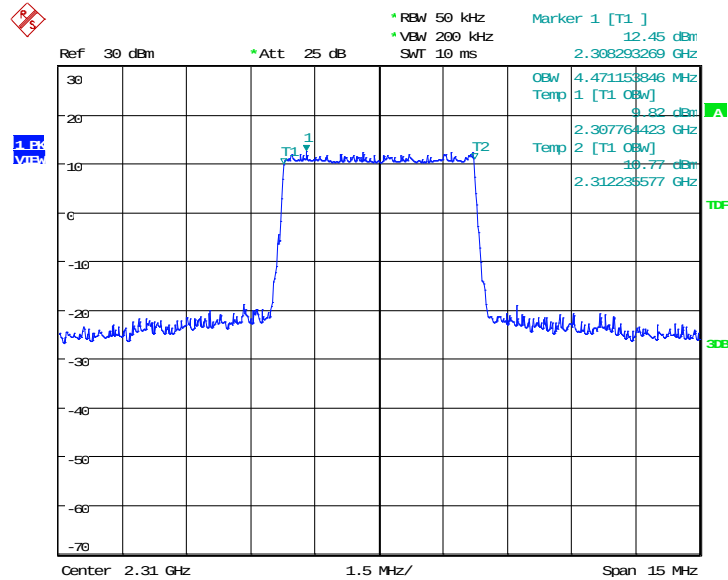


Date: 18.JAN.2020 18:38:35

LTE band 30, 5MHz (99% BW)

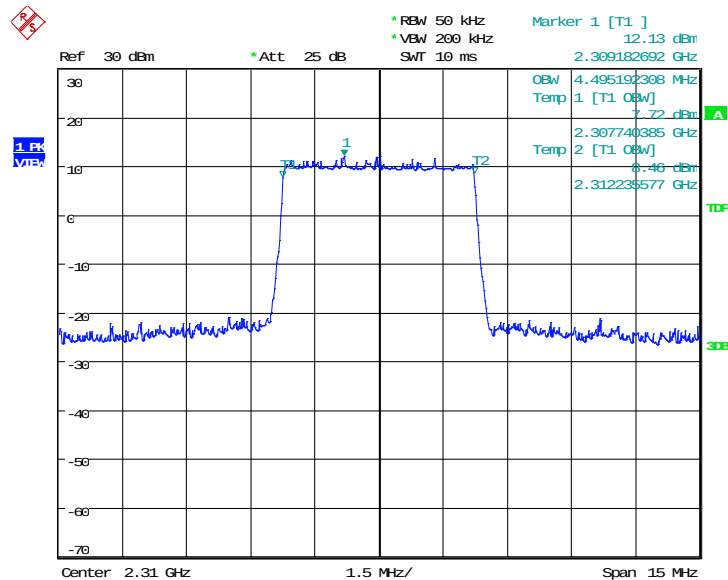
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2310.0	QPSK	16QAM	64QAM
	4471.15	4495.19	4471.15

LTE band 30, 5MHz Bandwidth, QPSK (99% BW)



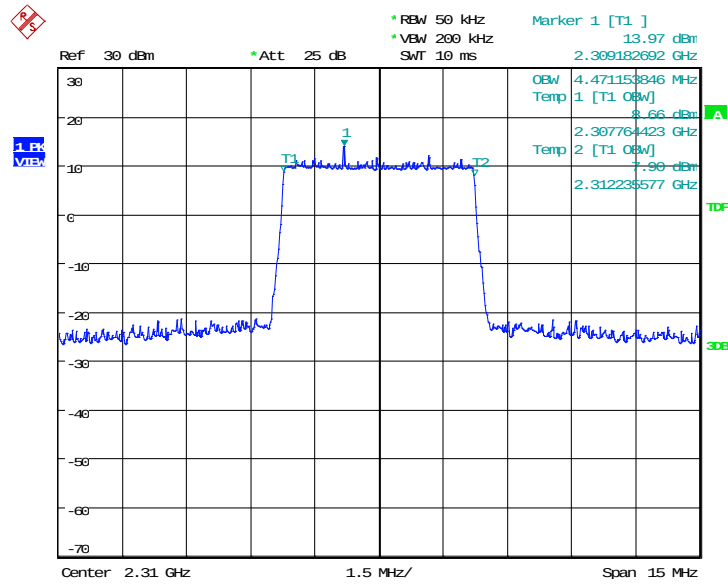
Date: 18.JAN.2020 19:48:23

LTE band 30, 5MHz Bandwidth,16QAM (99% BW)



Date: 18.JAN.2020 19:48:37

LTE band 30, 5MHz Bandwidth,64QAM (99% BW)

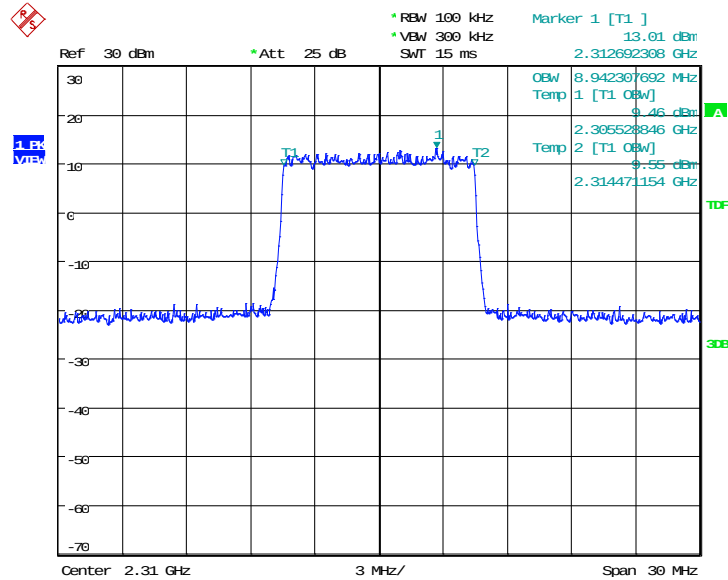


Date: 18.JAN.2020 20:00:01

LTE band 30, 10MHz (99% BW)

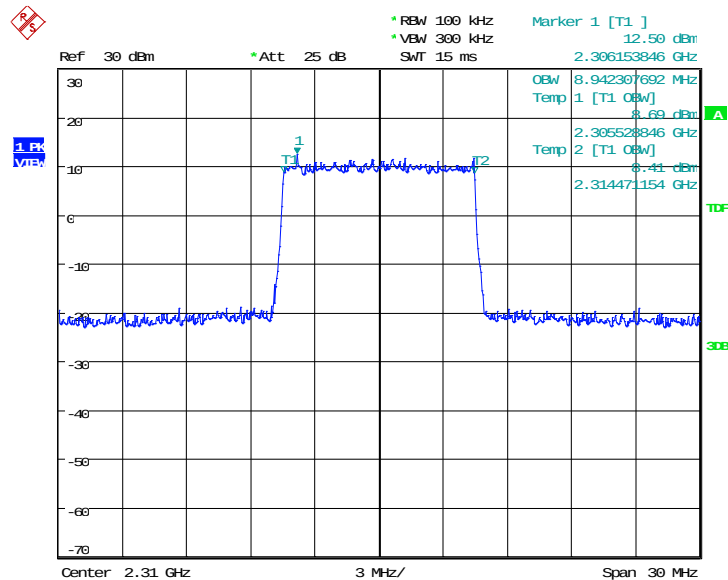
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2310.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8942.31

LTE band 30, 10MHz Bandwidth, QPSK (99% BW)



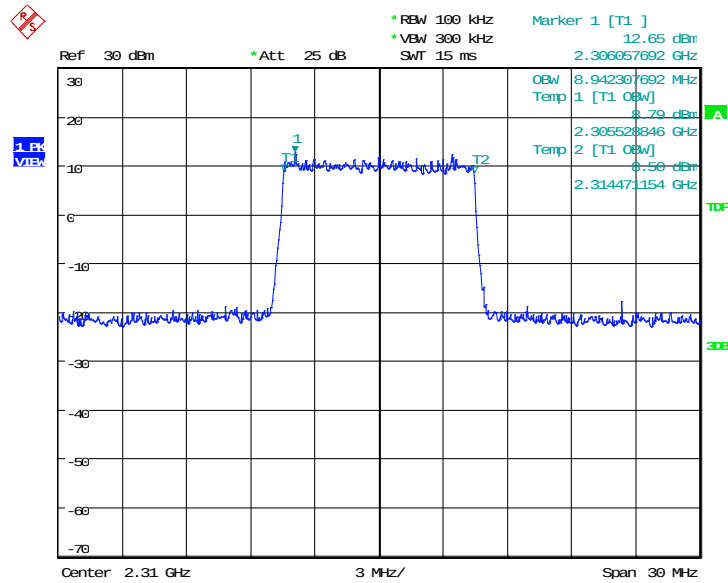
Date: 18.JAN.2020 19:53:37

LTE band 30, 10MHz Bandwidth, 16QAM (99% BW)



Date: 18.JAN.2020 19:53:51

LTE band 30, 10MHz Bandwidth, 64QAM (99% BW)

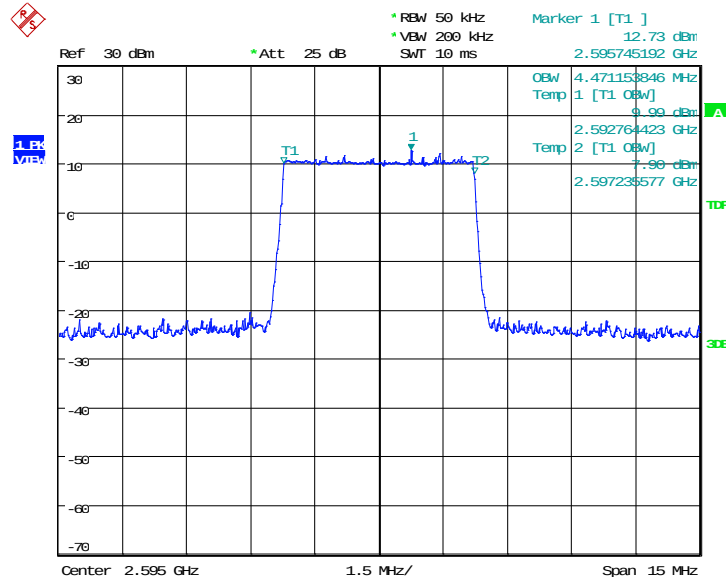


Date: 18.JAN.2020 20:03:28

LTE band 38, 5MHz (99% BW)

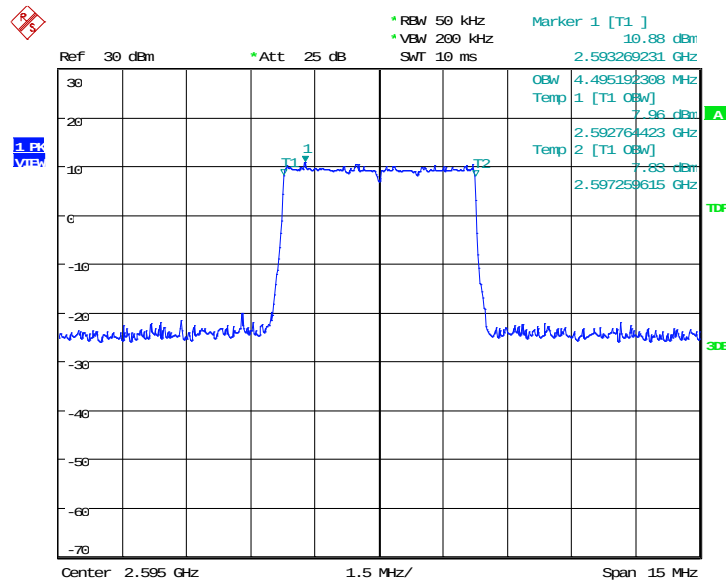
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2598.0	QPSK	16QAM	64QAM
	4471.15	4495.19	4471.15

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



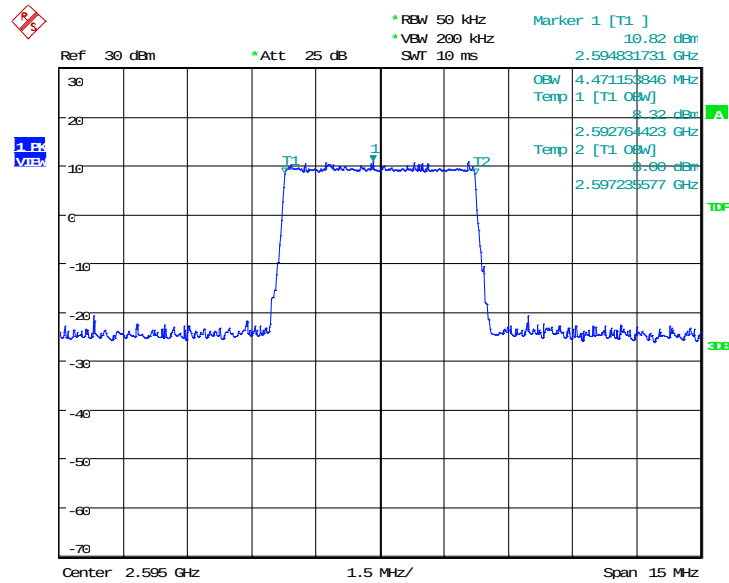
Date: 15. JAN. 2020 04:52:10

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



Date: 15. JAN. 2020 04:52:24

LTE band 38, 5MHz Bandwidth,64QAM (99% BW)

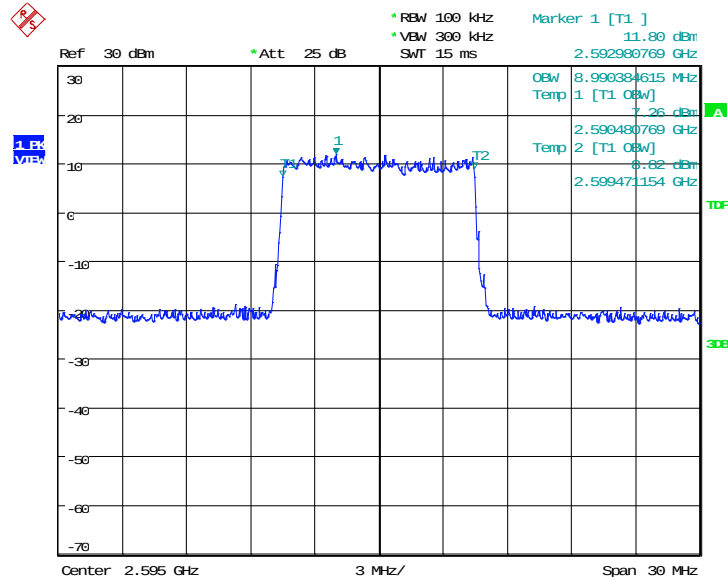


Date: 15.JAN.2020 07:19:51

LTE band 38, 10MHz (99% BW)

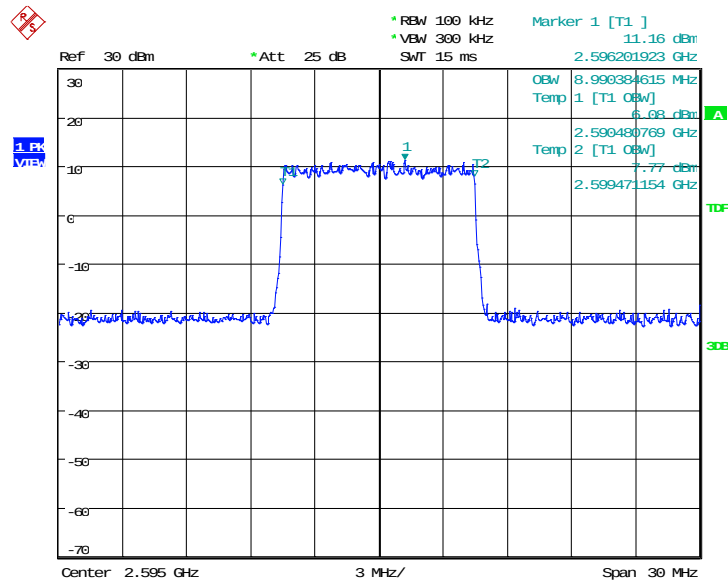
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2595.0	QPSK	16QAM	64QAM
	8990.38	8990.38	8942.31

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



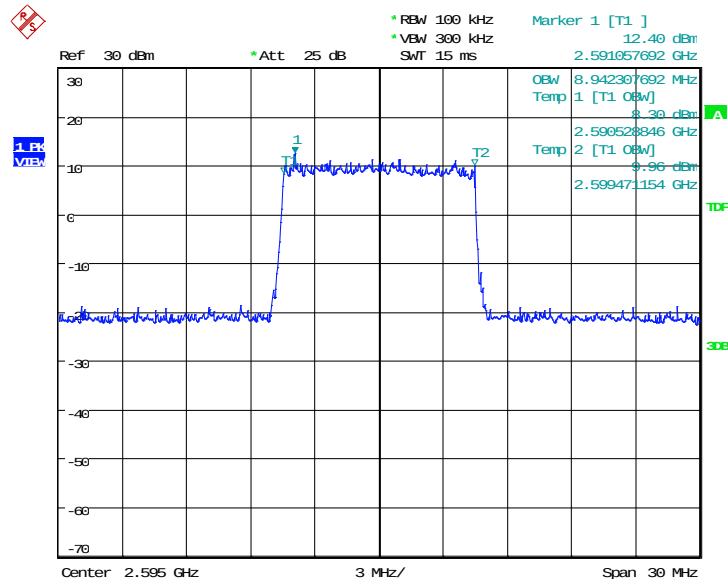
Date: 15.JAN.2020 04:57:39

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



Date: 15.JAN.2020 04:57:53

LTE band 38, 10MHz Bandwidth, 64QAM (99% BW)

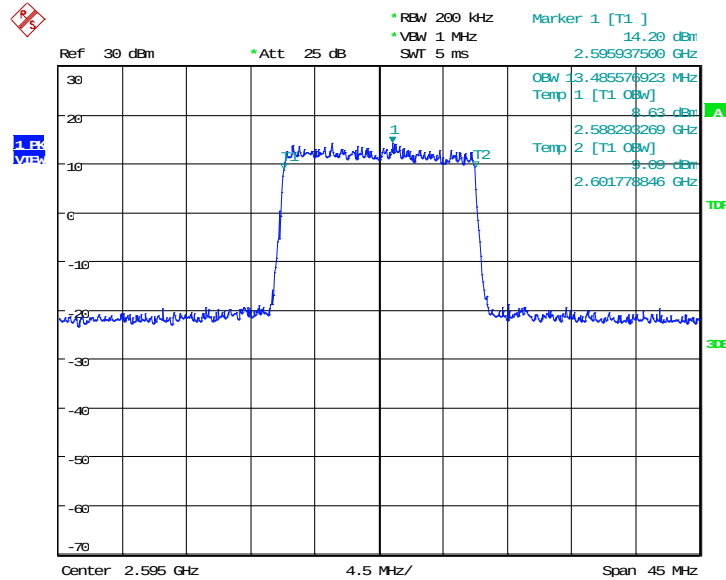


Date: 15.JAN.2020 07:23:19

LTE band 38, 15MHz (99% BW)

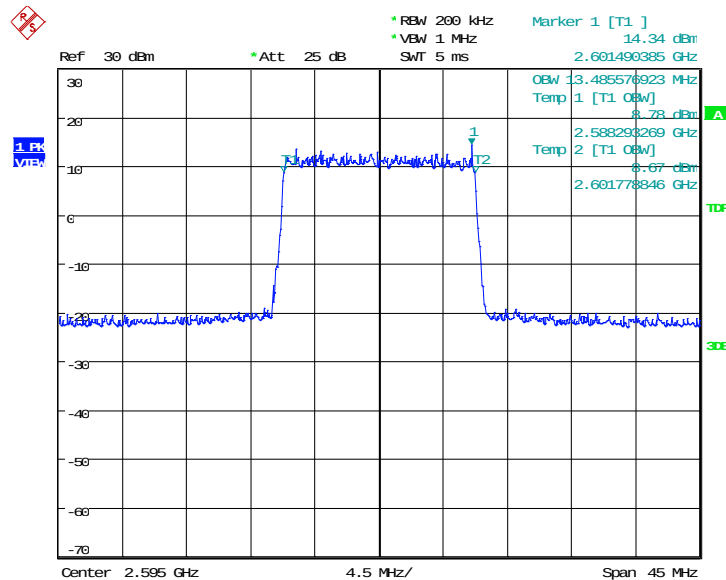
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2595.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

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



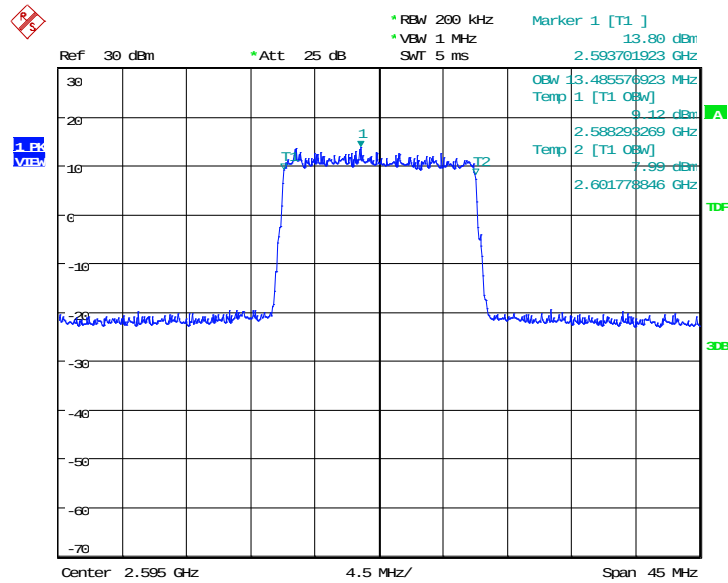
Date: 15. JAN. 2020 05:25:38

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



Date: 15. JAN. 2020 05:25:52

LTE band 38, 15MHz Bandwidth, 64QAM (99% BW)

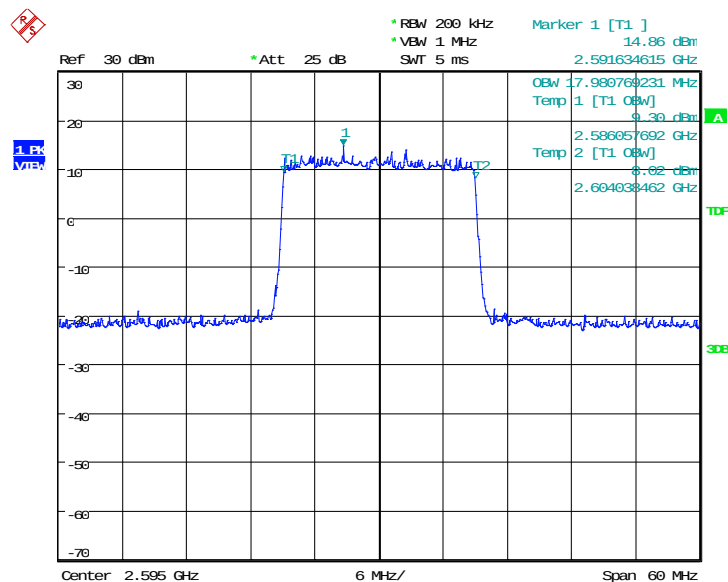


Date: 15.JAN.2020 07:26:46

LTE band 38, 20MHz (99% BW)

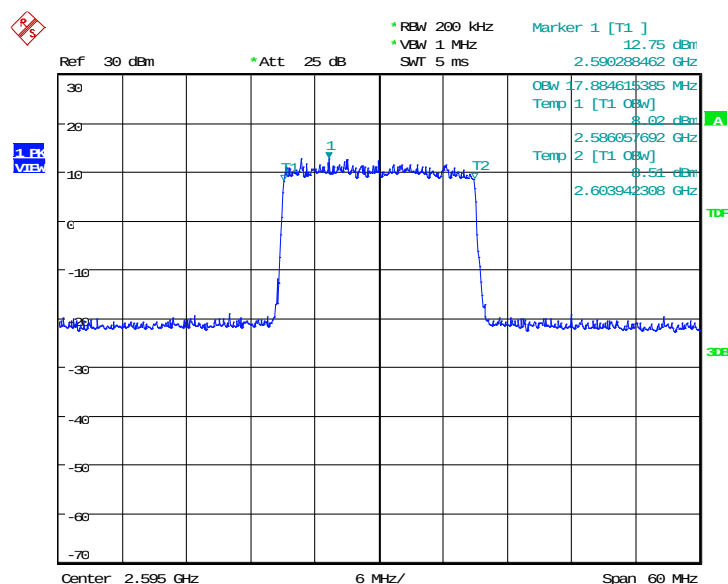
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2595.0	QPSK	16QAM	64QAM
	17980.77	17884.62	17980.77

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



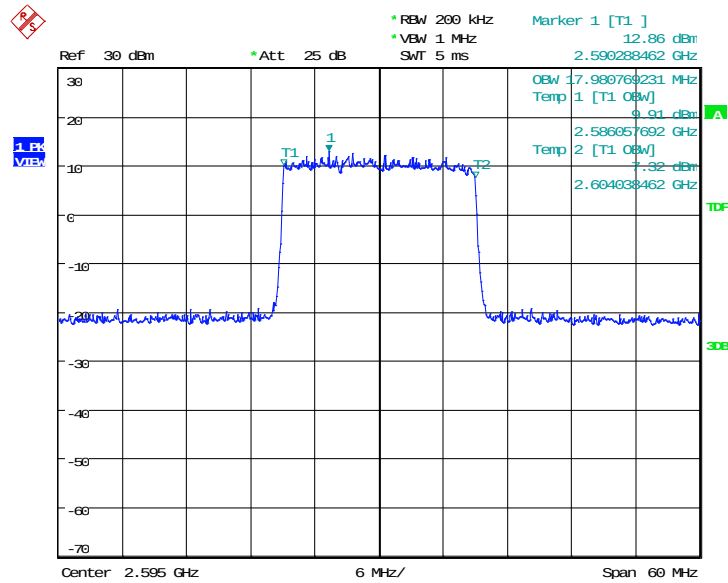
Date: 15. JAN. 2020 05:29:08

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



Date: 15. JAN. 2020 05:29:22

LTE band 38, 20MHz Bandwidth, 64QAM (99% BW)

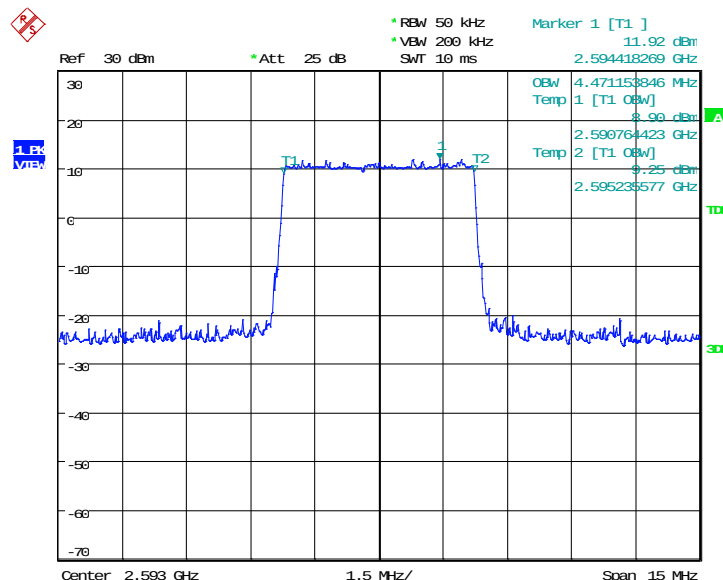


Date: 15.JAN.2020 07:30:14

LTE band 41, 5MHz (99% BW)

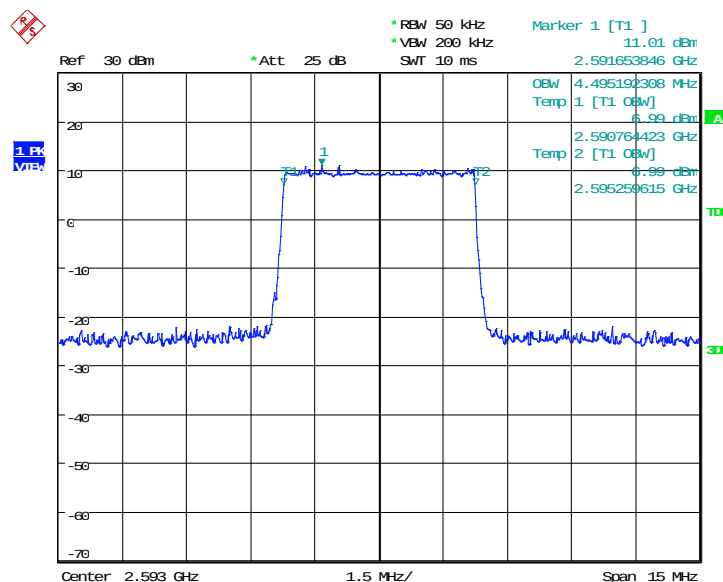
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	4471.15	4495.19	4471.15

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



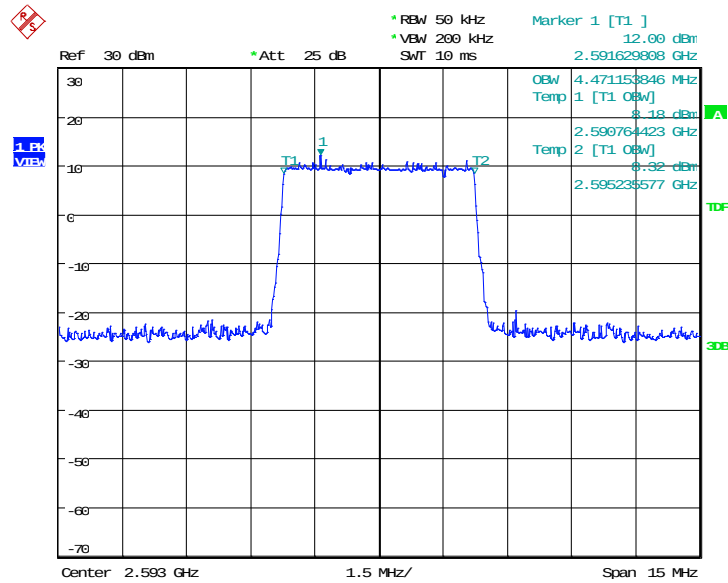
Date: 15. JAN. 2020 05:33:13

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



Date: 15. JAN. 2020 05:33:27

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

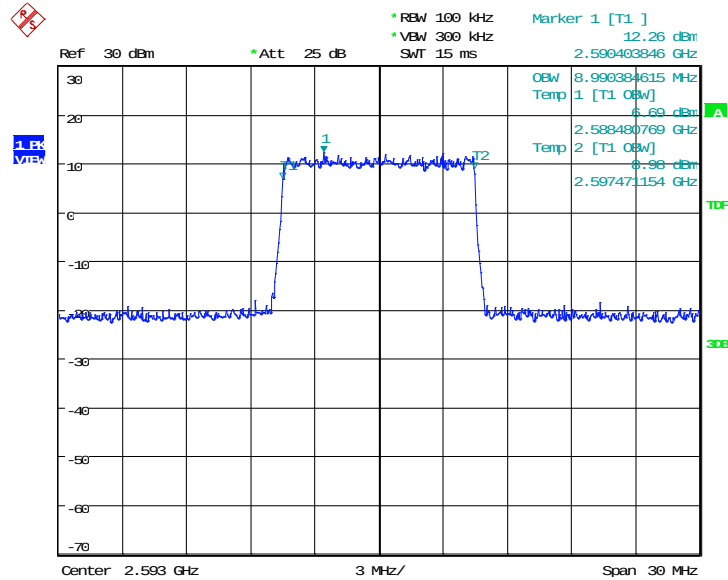


Date: 15.JAN.2020 07:33:44

LTE band 41, 10MHz (99% BW)

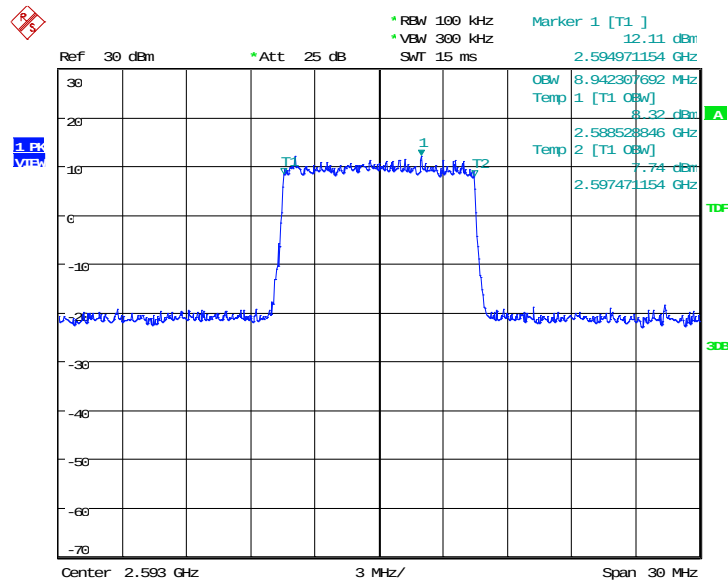
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	8990.38	8942.31	8942.31

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



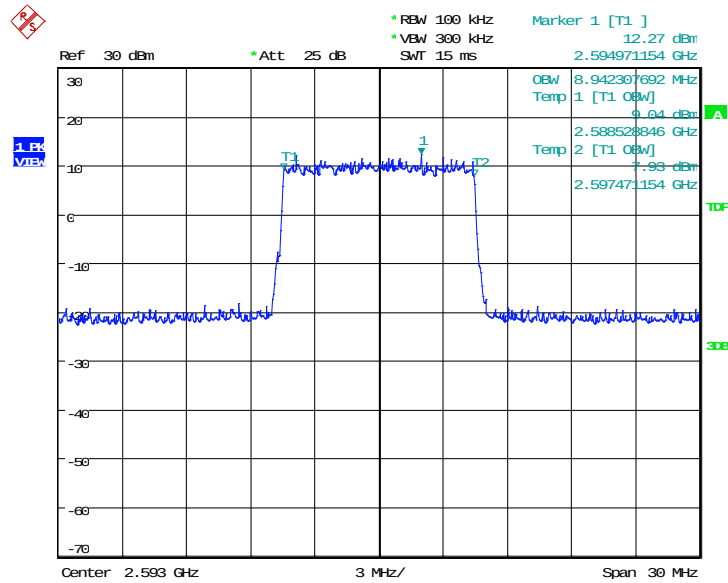
Date: 15.JAN.2020 05:38:42

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



Date: 15.JAN.2020 05:38:56

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

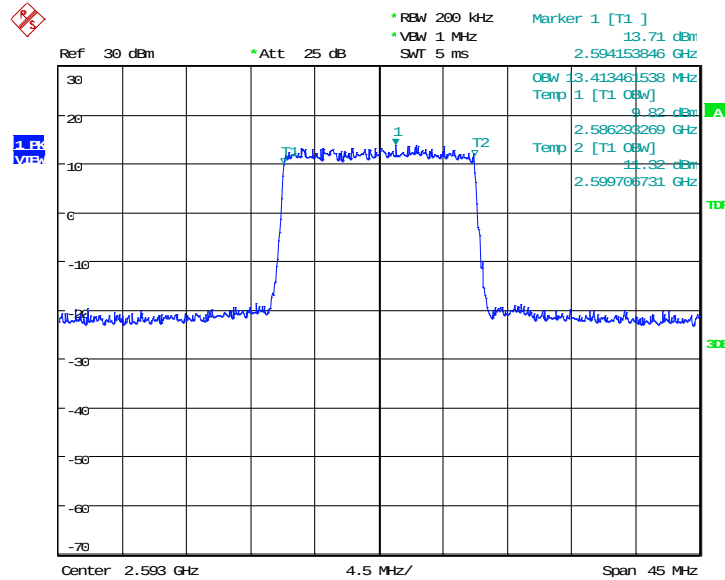


Date: 15.JAN.2020 07:37:11

LTE band 41, 15MHz (99% BW)

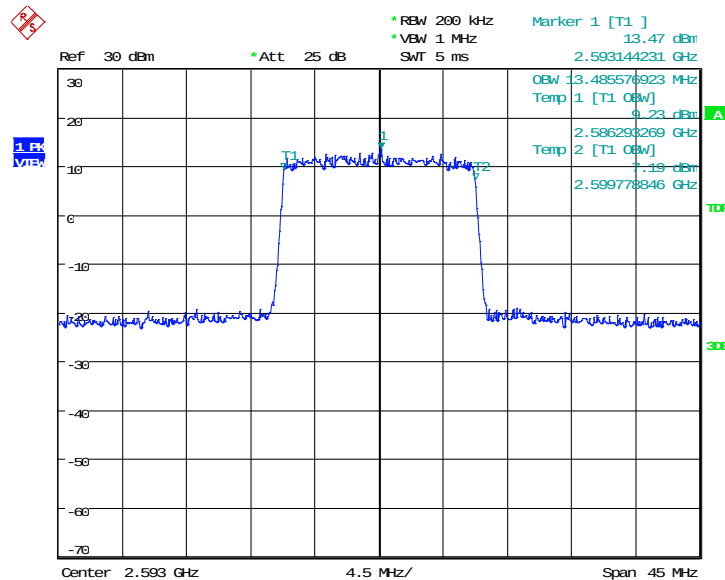
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	13413.46	13485.58	13485.58

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



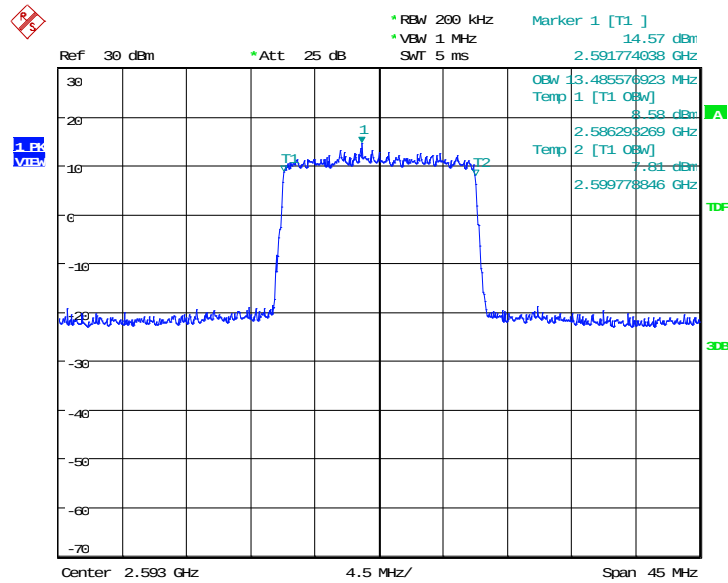
Date: 15. JAN. 2020 05:44:12

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



Date: 15. JAN. 2020 05:44:25

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

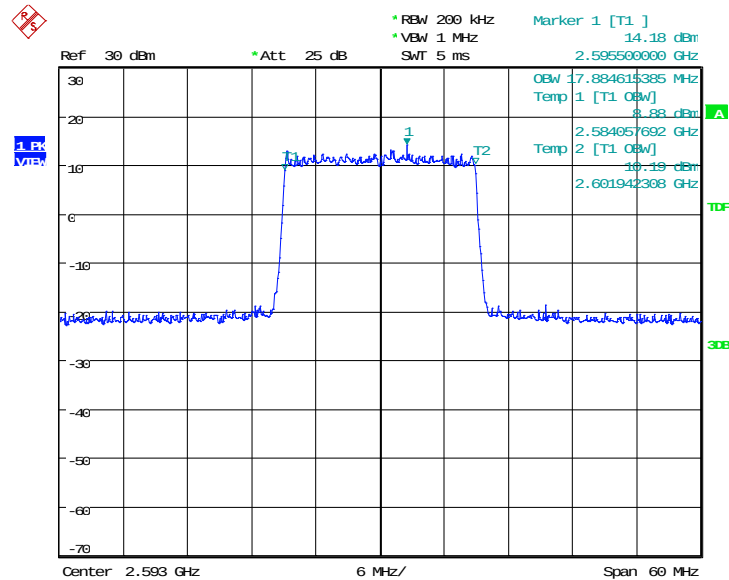


Date: 15.JAN.2020 07:40:38

LTE band 41, 20MHz (99% BW)

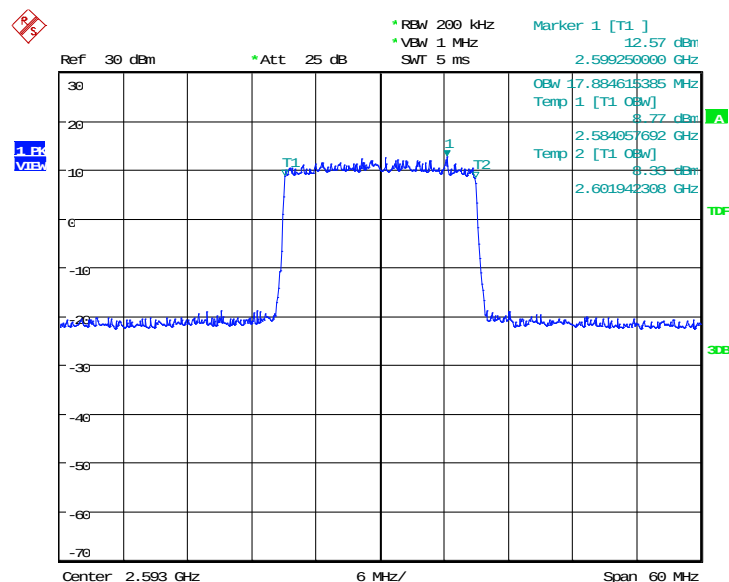
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	17884.62	17884.62	17884.62

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



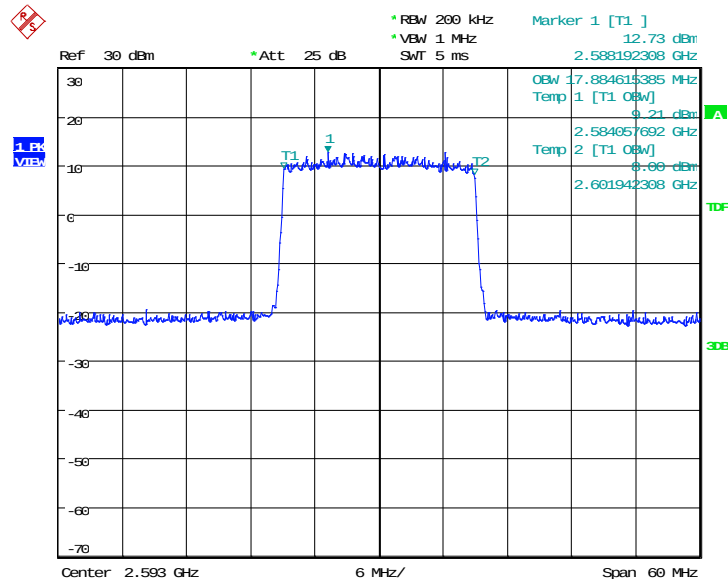
Date: 15. JAN. 2020 05:49:44

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



Date: 15. JAN. 2020 05:49:58

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

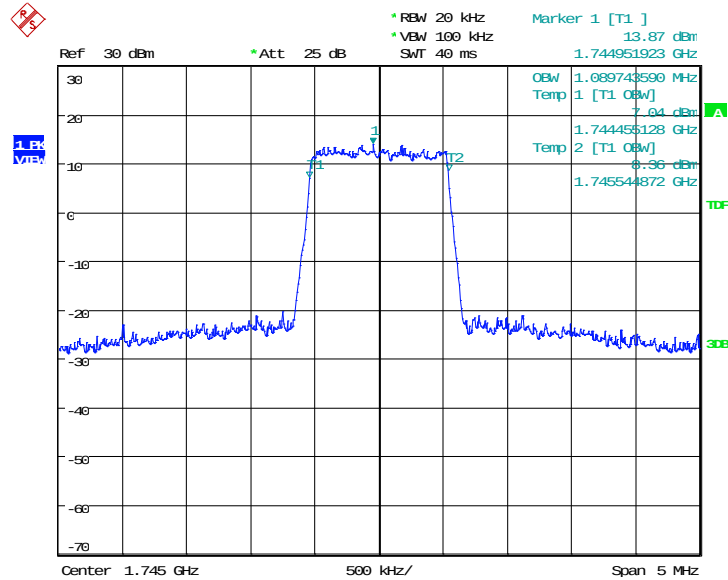


Date: 15.JAN.2020 07:44:06

LTE band 66, 1.4MHz (99% BW)

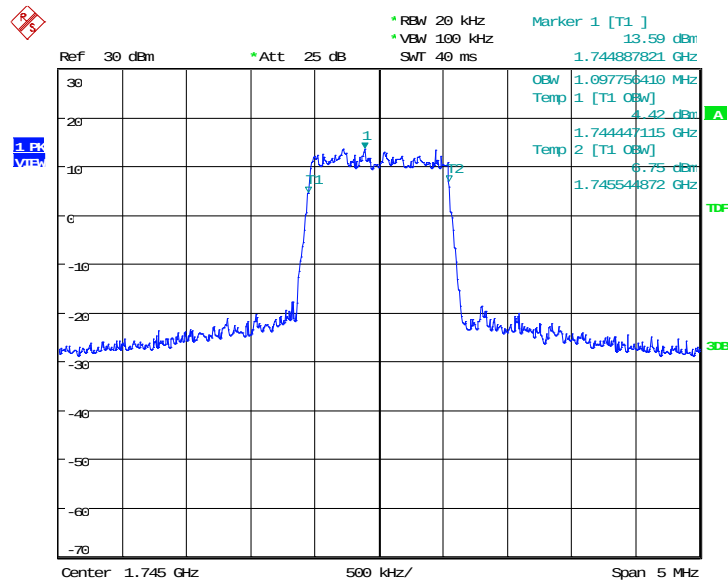
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	1089.74	1097.76	1105.77

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



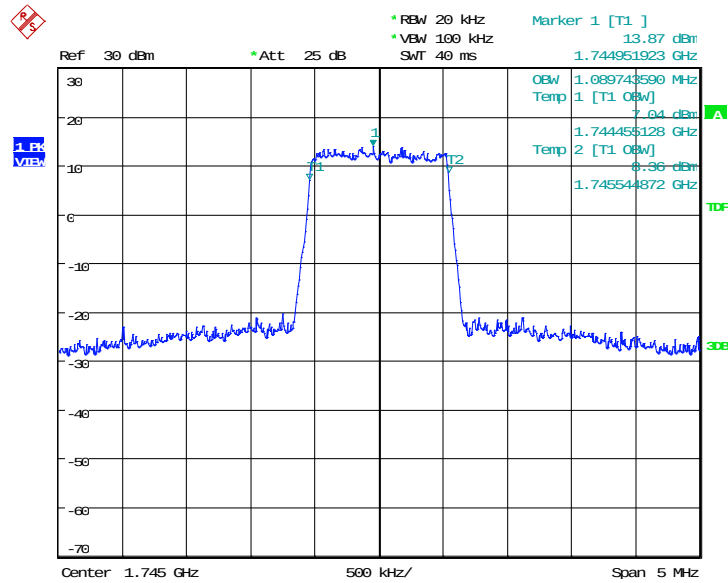
Date: 13.JAN.2020 19:28:59

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



Date: 13.JAN.2020 19:29:13

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

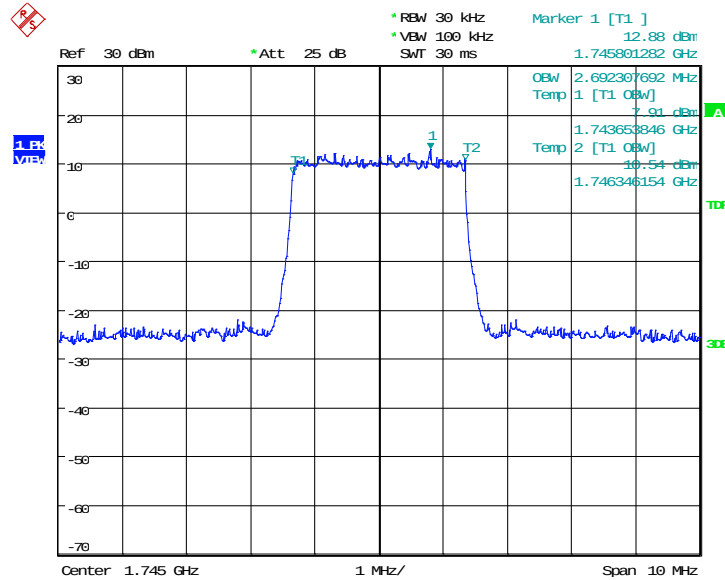


Date: 13.JAN.2020 19:28:59

LTE band 66, 3MHz (99% BW)

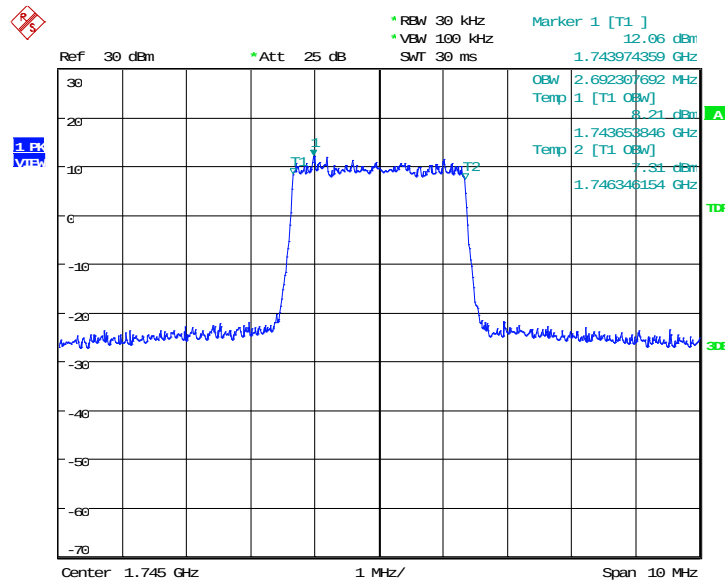
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2708.33

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



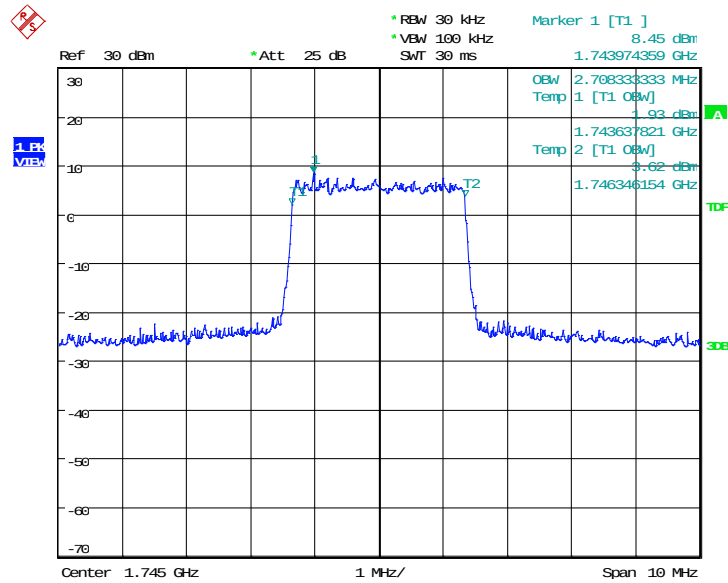
Date: 13.JAN.2020 19:34:26

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



Date: 13.JAN.2020 19:34:40

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

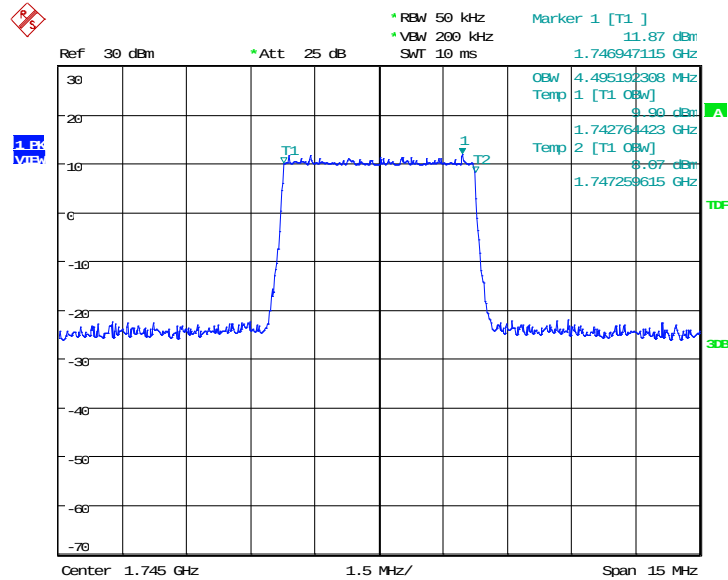


Date: 18.JAN.2020 19:06:04

LTE band 66, 5MHz (99% BW)

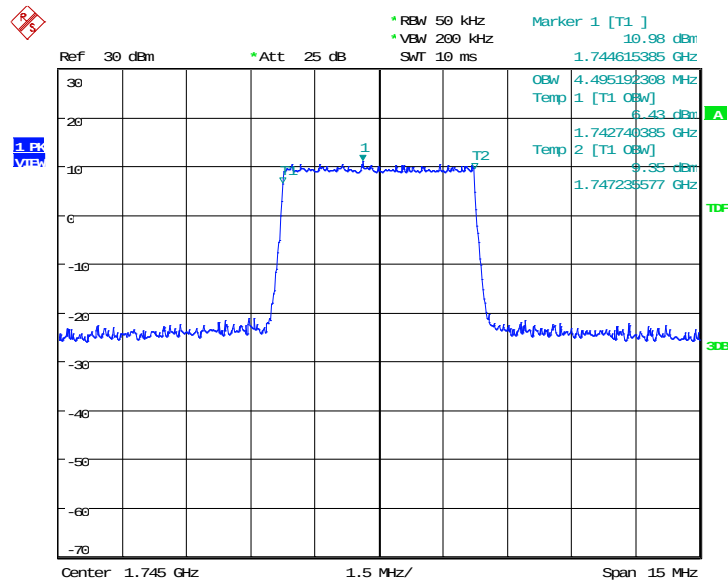
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	4495.19	4495.19	4519.23

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



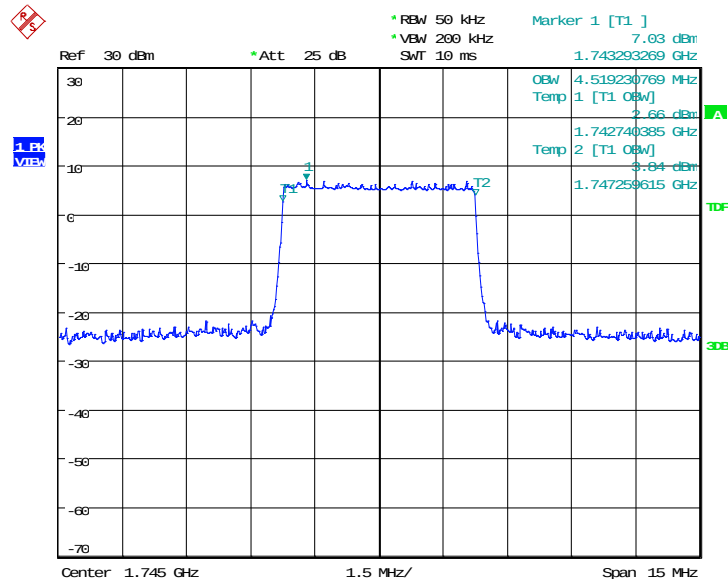
Date: 13. JAN. 2020 19:42:24

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



Date: 13. JAN. 2020 19:42:38

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

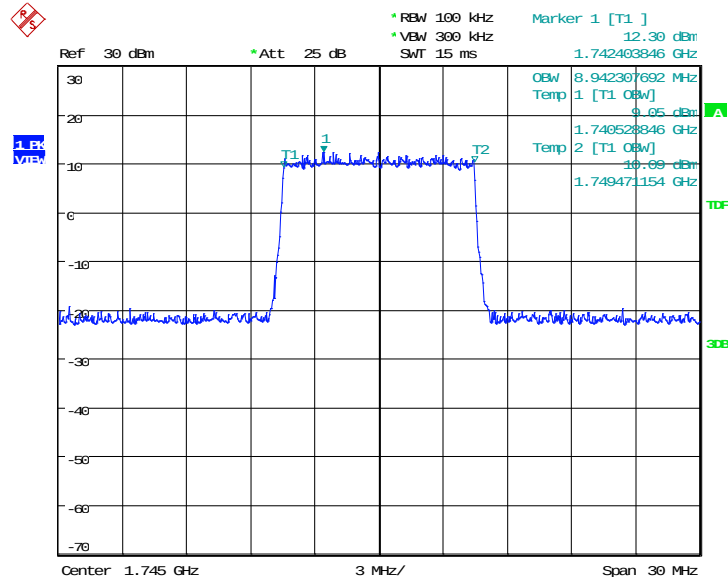


Date: 18.JAN.2020 19:31:27

LTE band 66, 10MHz (99% BW)

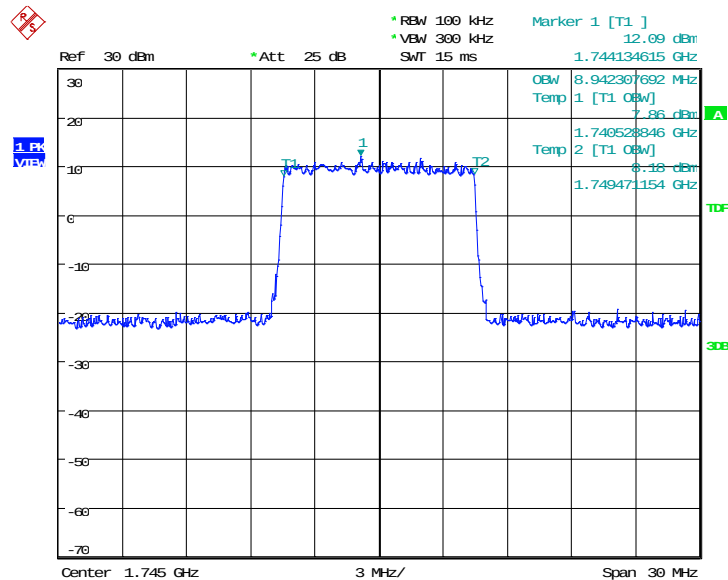
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	8942.31	8942.31	9038.46

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



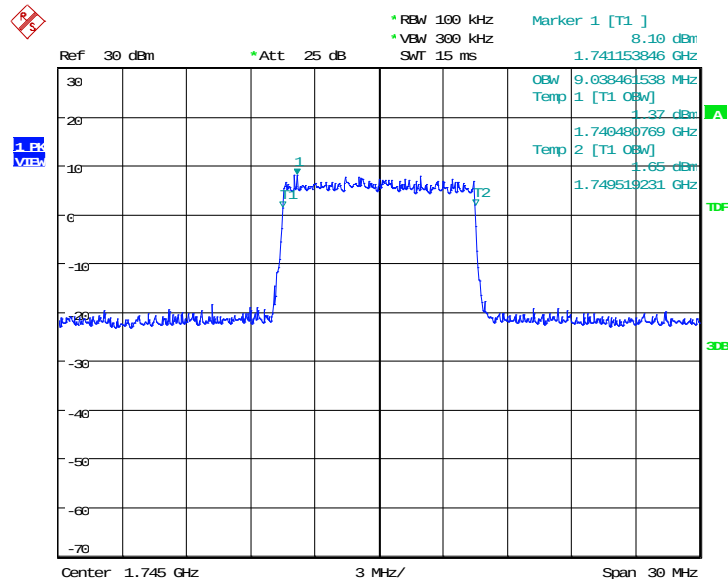
Date: 13. JAN. 2020 19:47:51

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



Date: 13. JAN. 2020 19:48:05

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

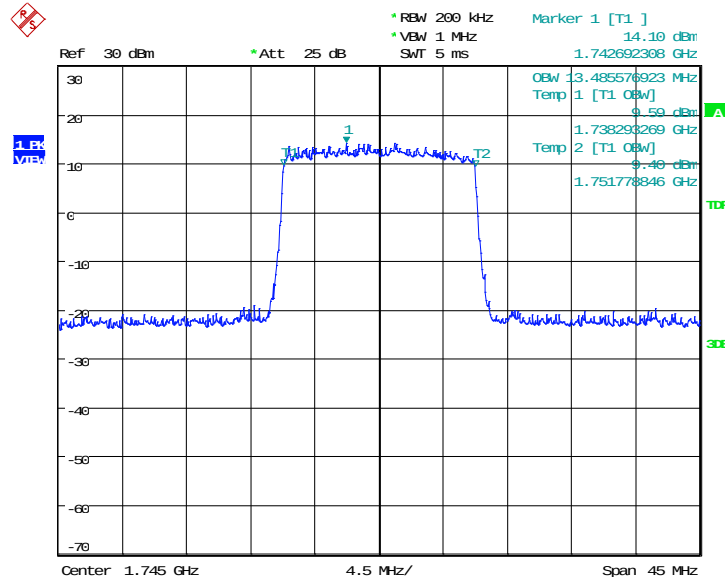


Date: 18.JAN.2020 19:34:10

LTE band 66, 15MHz (99% BW)

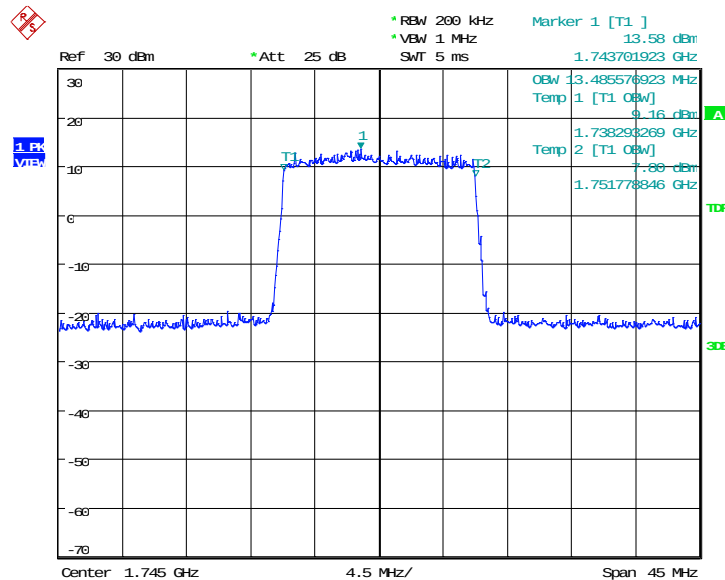
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

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



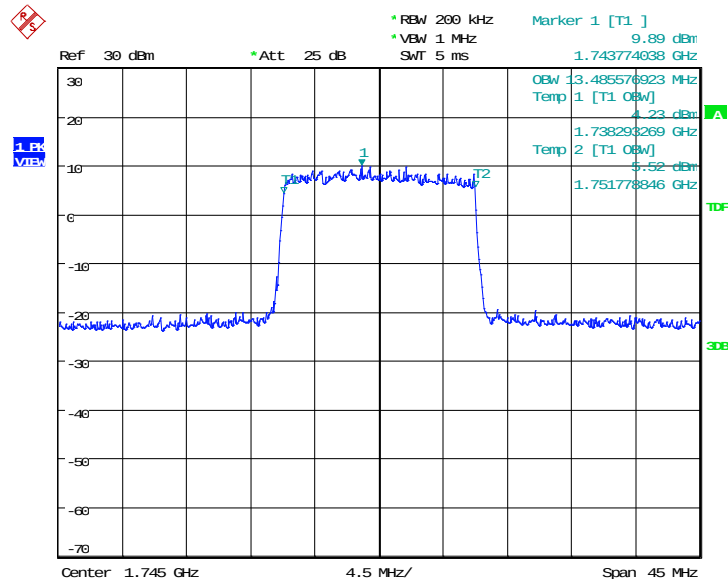
Date: 13. JAN. 2020 19:53:19

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



Date: 13. JAN. 2020 19:53:33

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

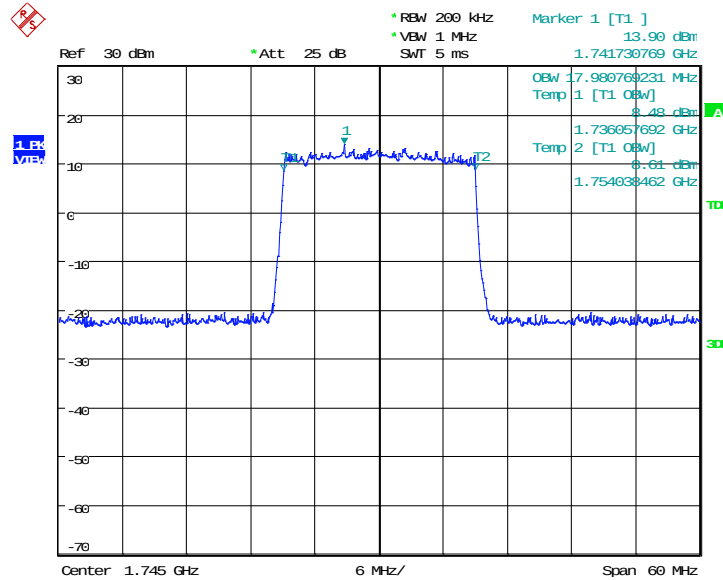


Date: 18.JAN.2020 19:37:25

LTE band 66, 20MHz (99% BW)

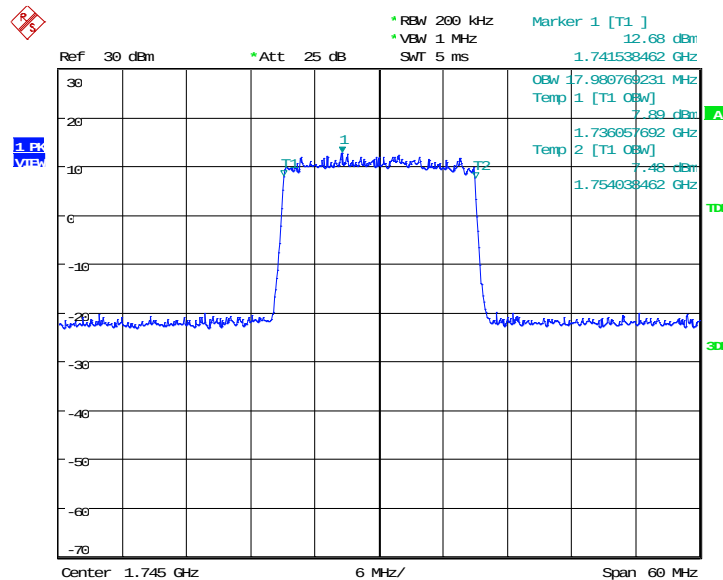
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	17980.77	17980.77	17980.77

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



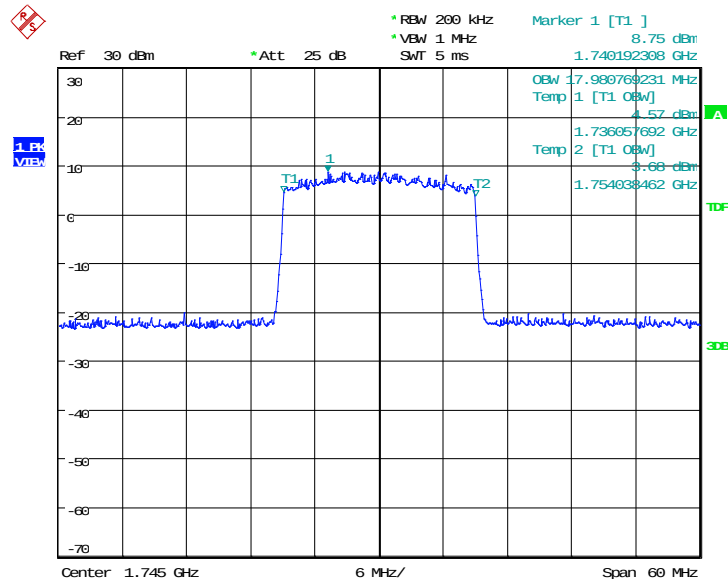
Date: 13.JAN.2020 19:58:46

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



Date: 13.JAN.2020 19:59:00

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

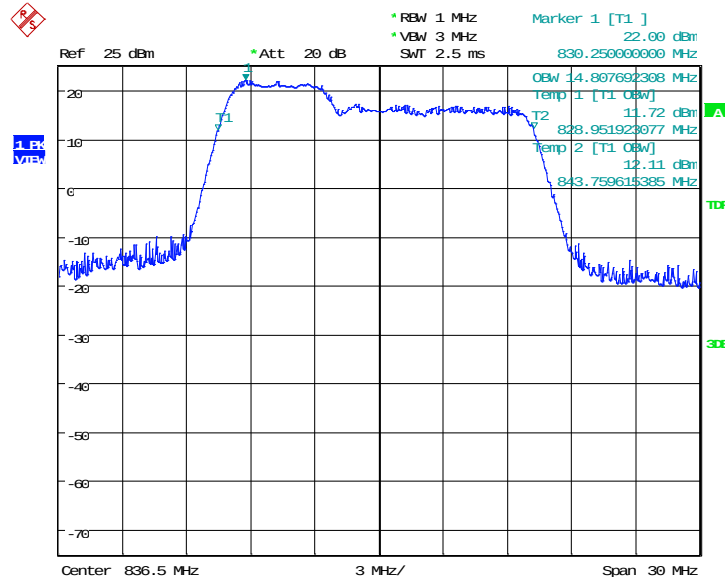


Date: 18.JAN.2020 19:40:11

LTE Band CA_5B, 5MHz+10MHz (99% BW)

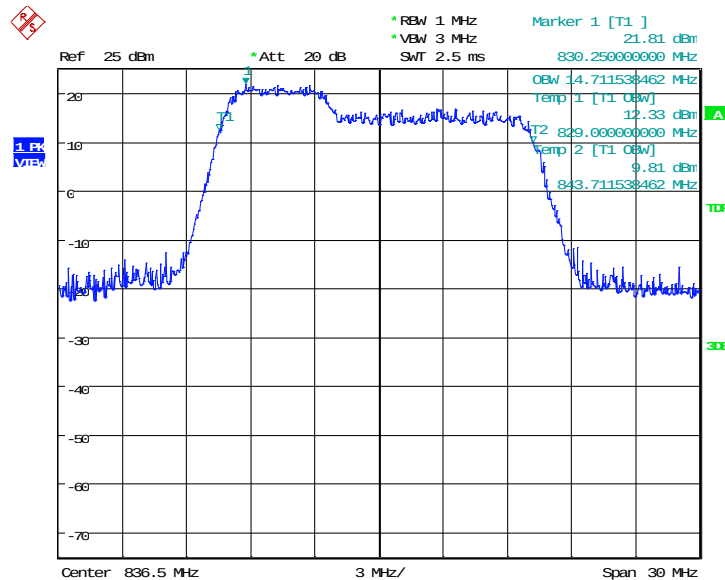
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.6	QPSK	16QAM	64QAM
	14807.69	14711.54	14807.69

LTE Band CA_5B, 5MHz+10MHz Bandwidth, QPSK (99% BW)



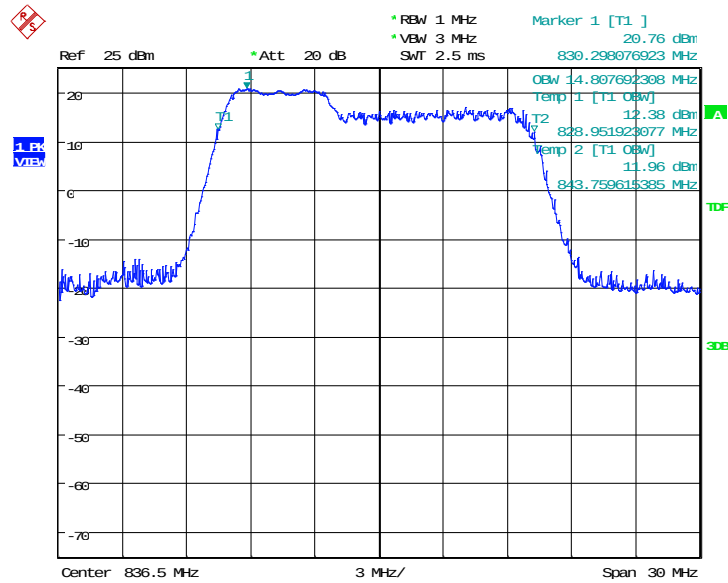
Date: 26.FEB.2020 12:08:09

LTE Band CA_5B, 5MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 26.FEB.2020 12:09:51

LTE Band CA_5B, 5MHz+10MHz Bandwidth, 64QAM (99% BW)

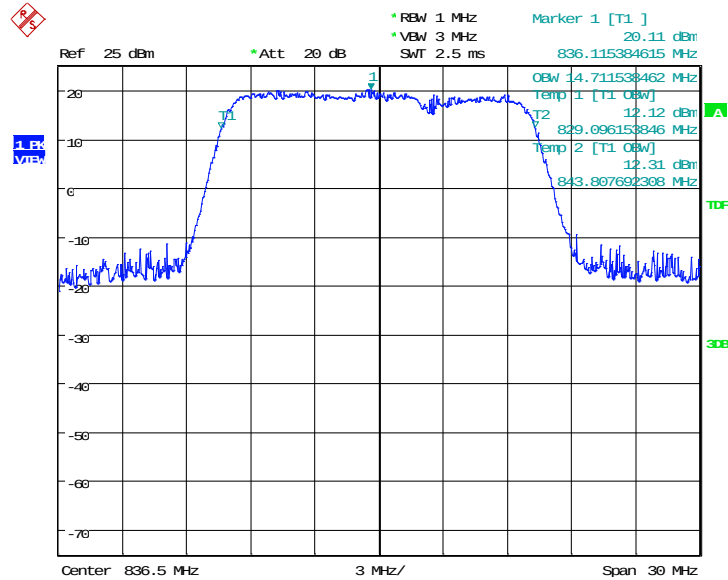


Date: 26.FEB.2020 12:10:18

LTE Band CA_5B, 10MHz+5MHz (99% BW)

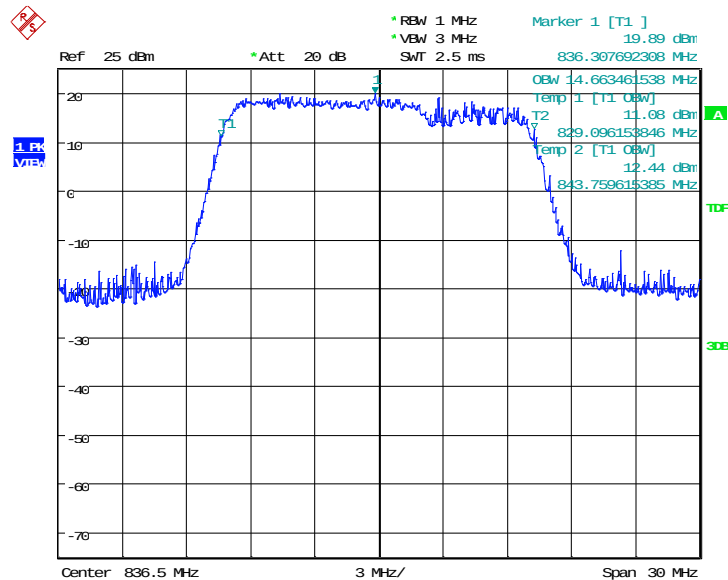
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.6	QPSK	16QAM	64QAM
	14711.54	14663.46	14711.54

LTE Band CA_5B, 10MHz+5MHz Bandwidth, QPSK (99% BW)



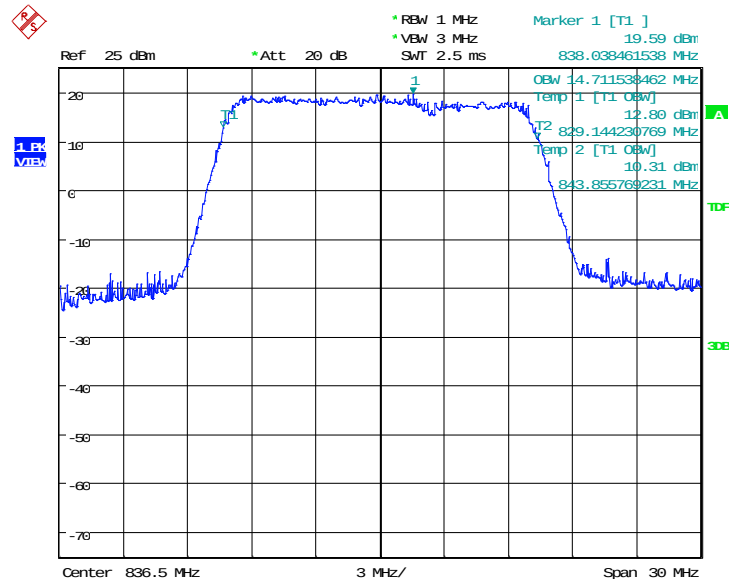
Date: 26.FEB.2020 12:20:00

LTE Band CA_5B, 10MHz+5MHz Bandwidth, 16QAM (99% BW)



Date: 26.FEB.2020 12:20:27

LTE Band CA_5B, 10MHz+5MHz Bandwidth, 64QAM (99% BW)

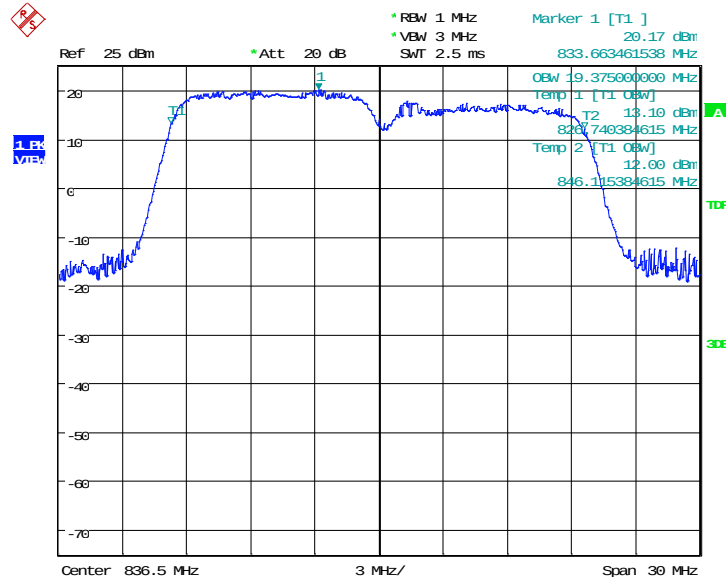


Date: 26.FEB.2020 12:18:16

LTE Band CA_5B, 10MHz+10MHz (99% BW)

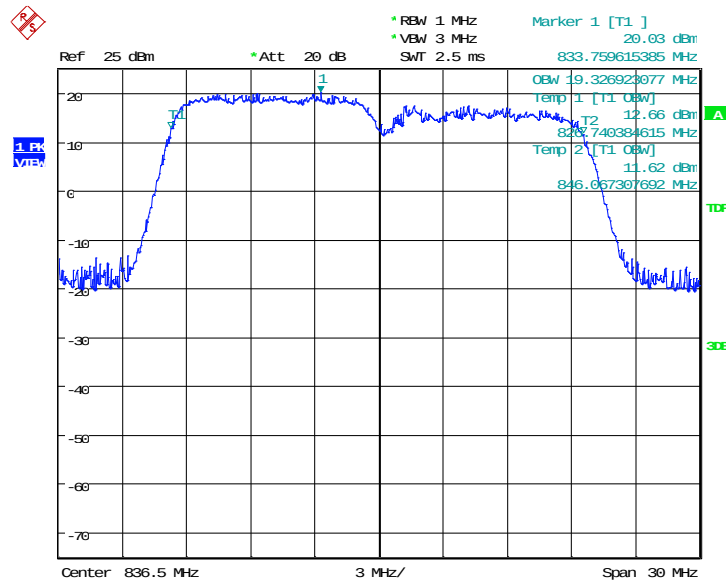
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
836.6	QPSK	16QAM	64QAM
	19375.00	19326.92	19375.00

LTE Band CA_5B, 10MHz+10MHz Bandwidth, QPSK (99% BW)



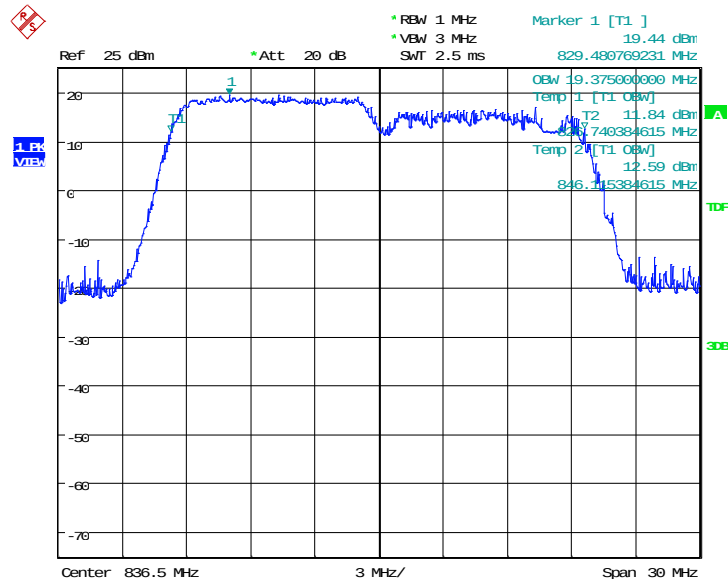
Date: 26.FEB.2020 12:23:16

LTE Band CA_5B, 10MHz+10MHz Bandwidth, 16QAM (99% BW)



Date: 26.FEB.2020 12:24:39

LTE Band CA_5B, 10MHz+10MHz Bandwidth, 64QAM (99% BW)

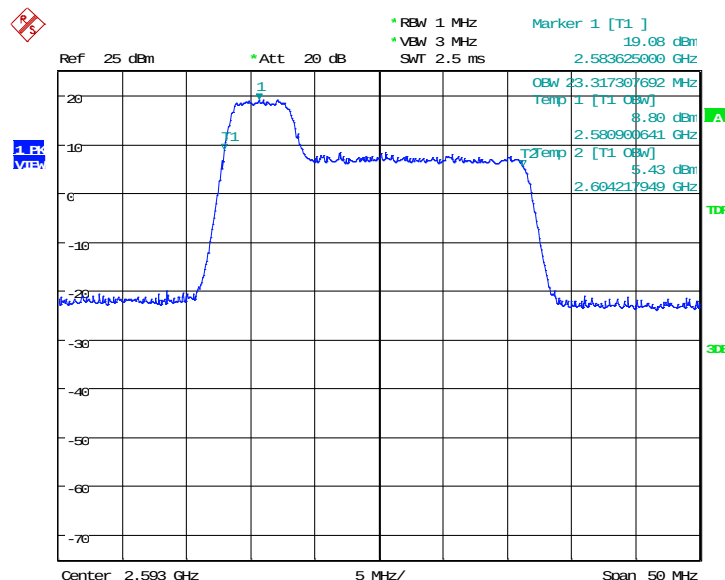


Date: 26.FEB.2020 12:25:25

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

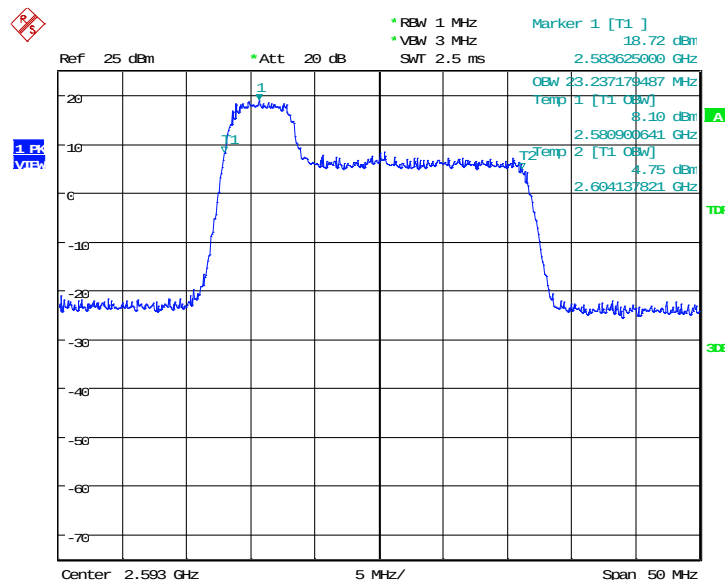
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23317.31	23237.18	23477.56

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



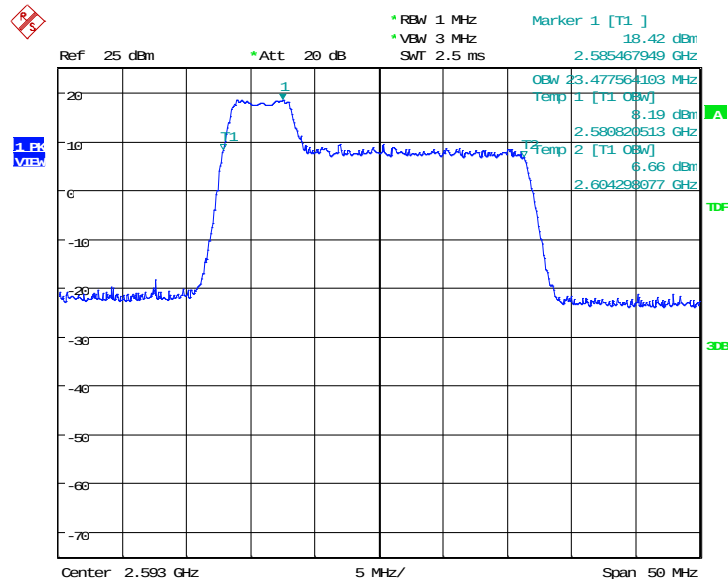
Date: 24.FEB.2020 07:18:49

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



Date: 24.FEB.2020 07:19:07

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

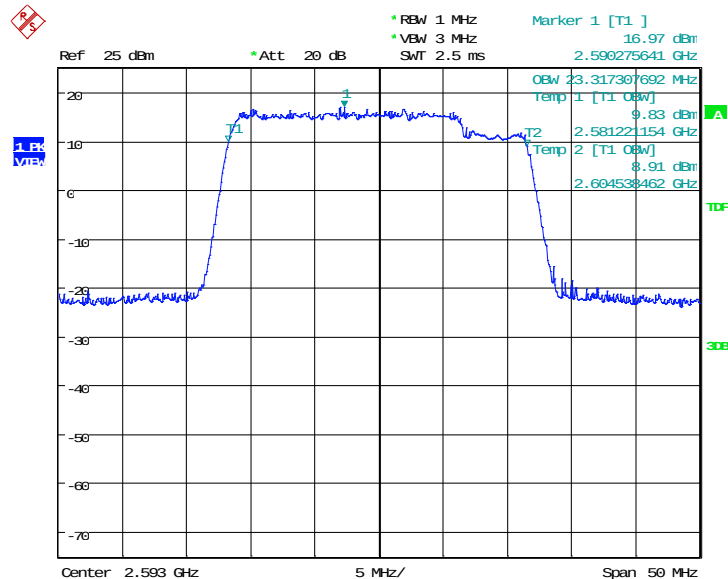


Date: 24.FEB.2020 07:19:37

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

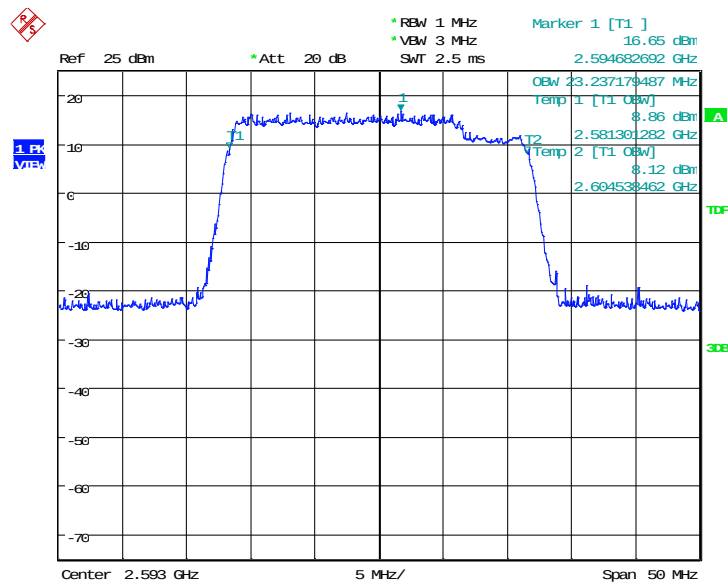
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23317.31	23237.18	23237.18

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



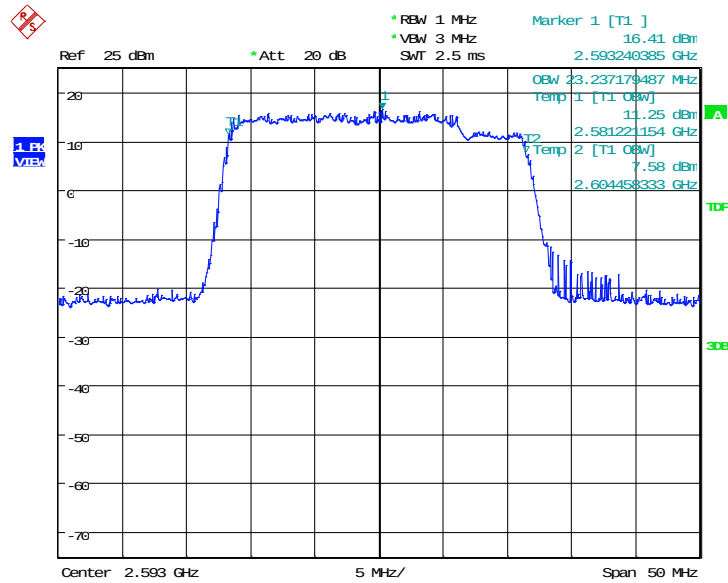
Date: 24.FEB.2020 07:32:32

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



Date: 24.FEB.2020 07:32:09

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

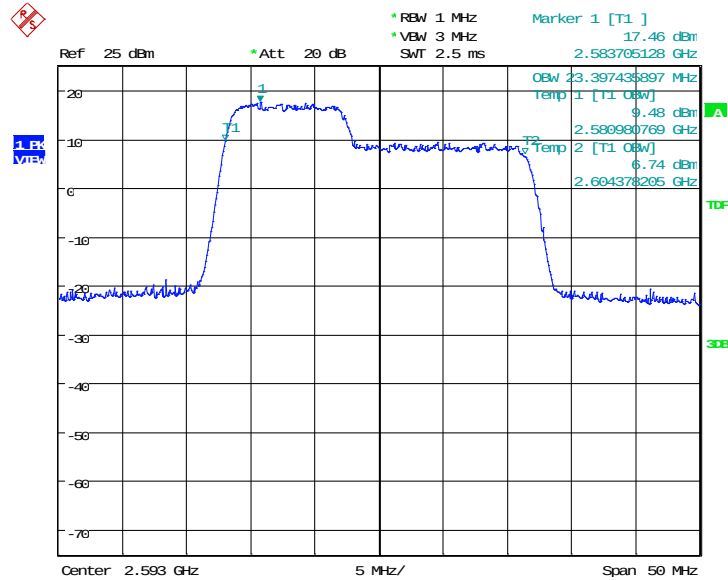


Date: 24.FEB.2020 07:31:33

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

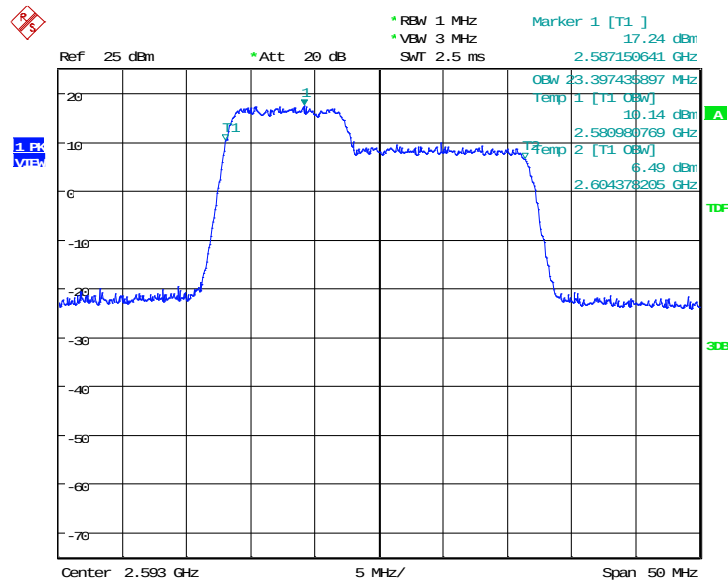
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23397.44	23397.44	23397.44

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



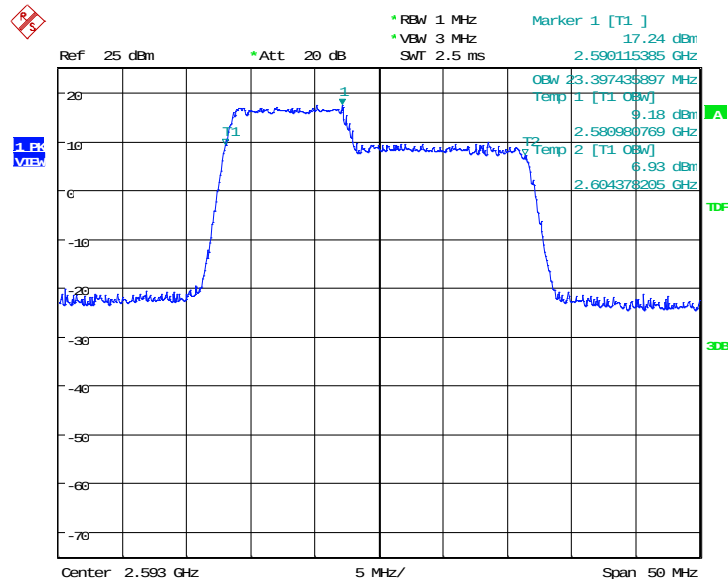
Date: 24.FEB.2020 09:23:22

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



Date: 24.FEB.2020 09:23:49

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

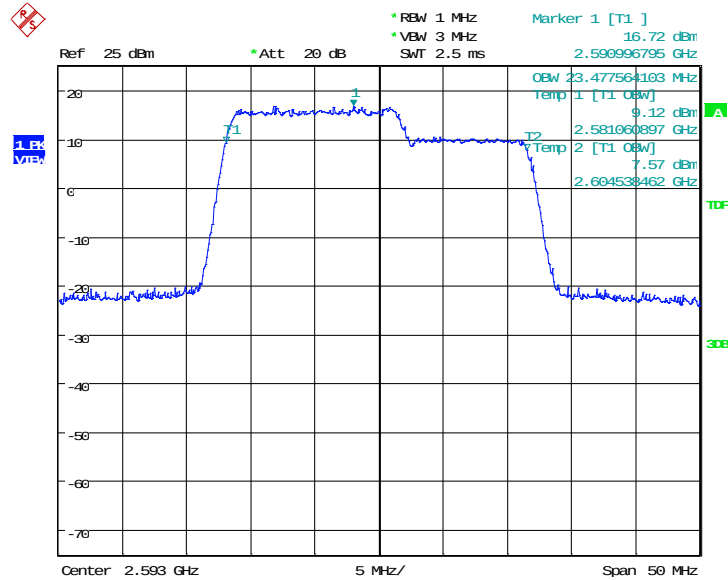


Date: 24.FEB.2020 09:24:27

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

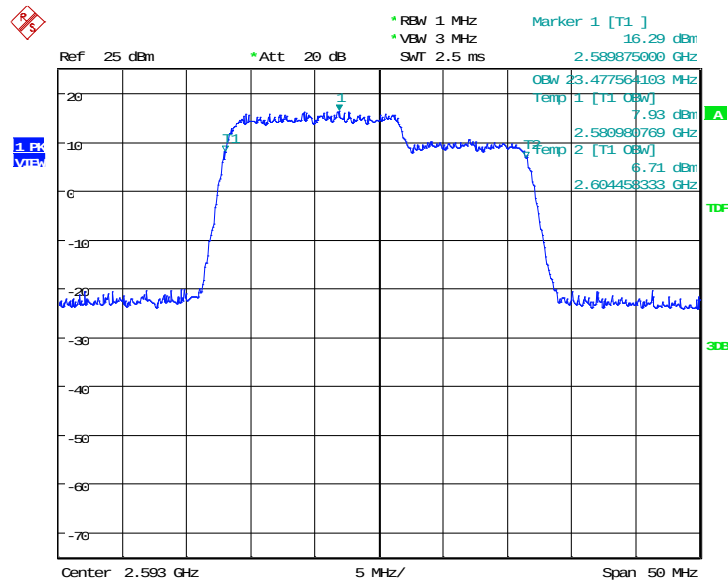
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	23477.56	23477.56	23397.44

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



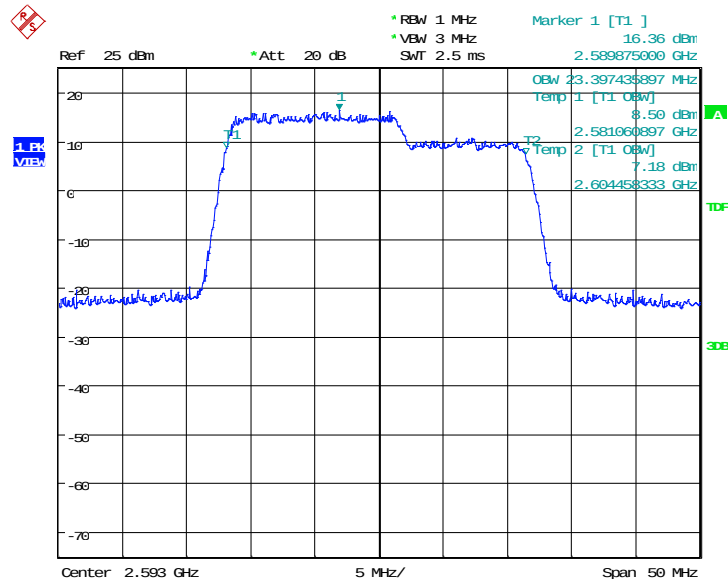
Date: 24.FEB.2020 09:32:58

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



Date: 24.FEB.2020 09:33:29

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

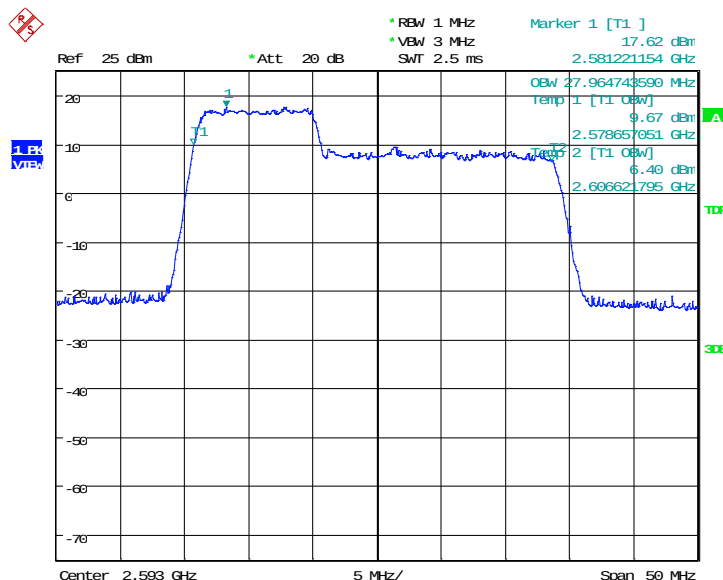


Date: 24.FEB.2020 09:33:47

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

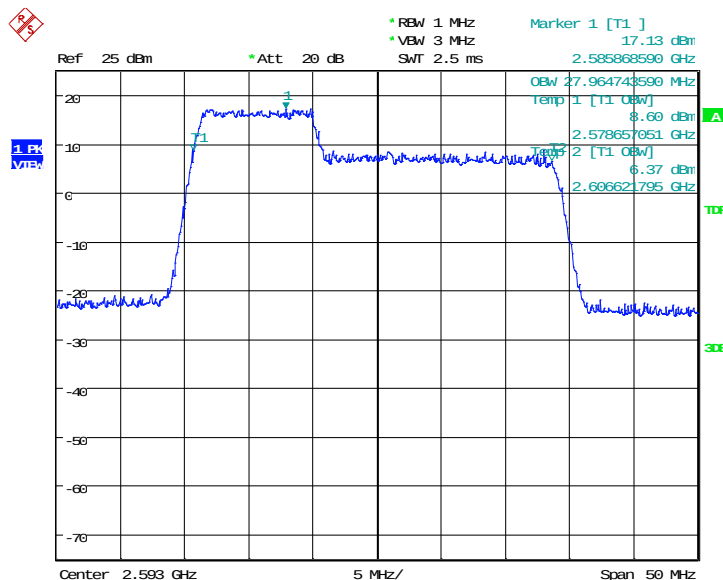
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	27964.74	27964.74	27884.62

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



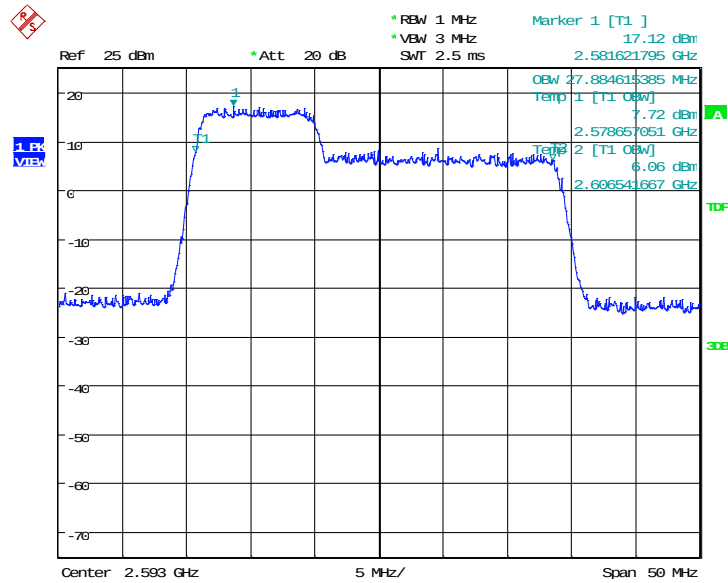
Date: 24.FEB.2020 09:36:51

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



Date: 24.FEB.2020 09:37:34

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

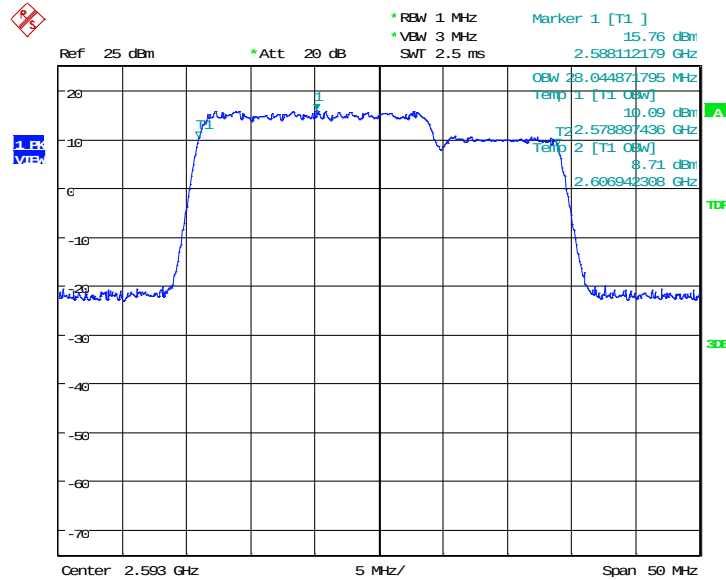


Date: 24.FEB.2020 09:38:06

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

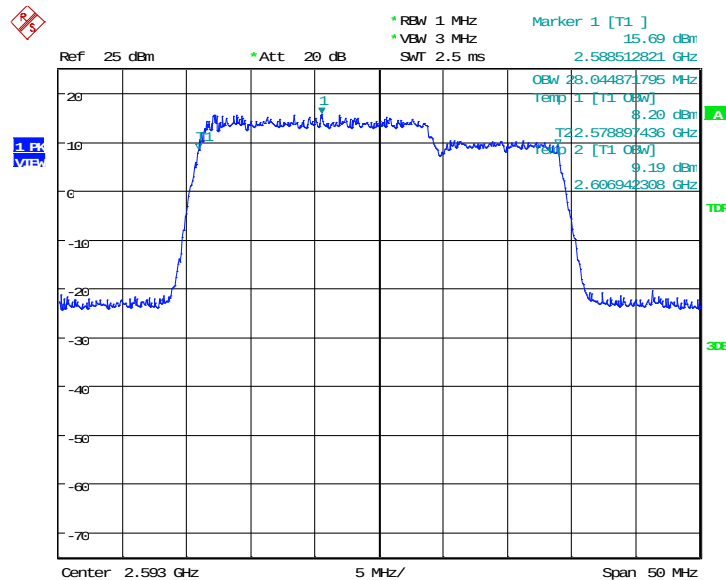
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28044.87	28044.87	28044.87

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



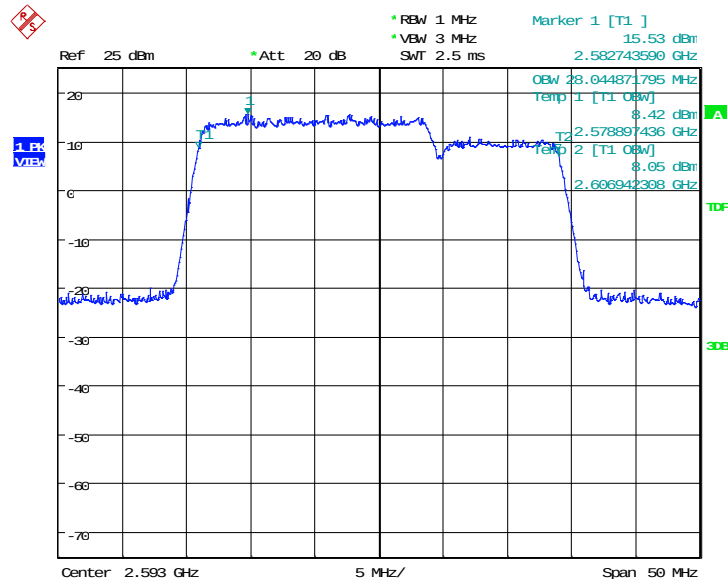
Date: 24.FEB.2020 09:48:54

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



Date: 24.FEB.2020 09:49:12

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

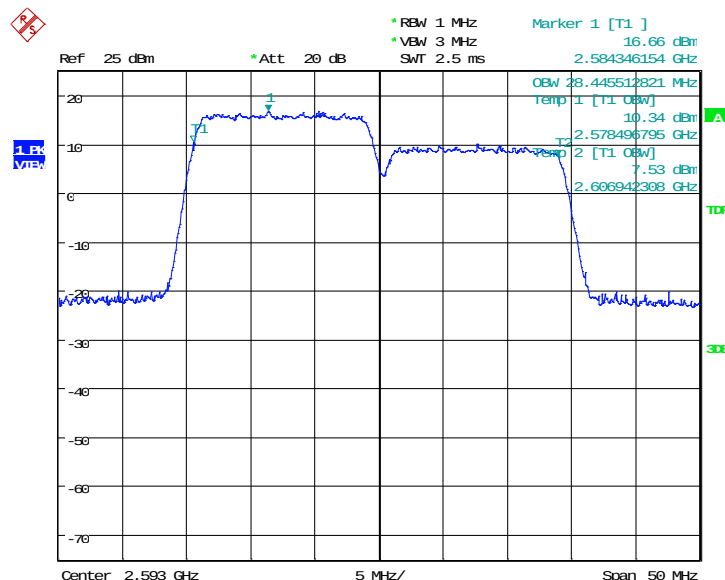


Date: 24.FEB.2020 09:49:41

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

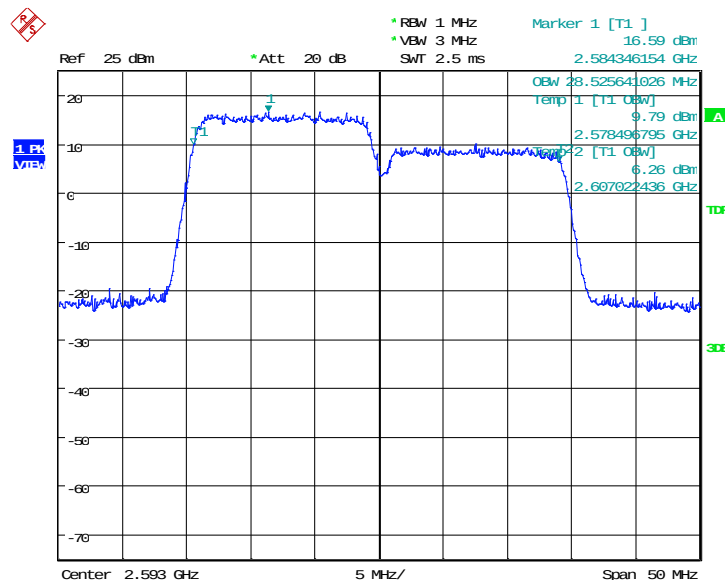
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	28445.51	28525.64	28525.64

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



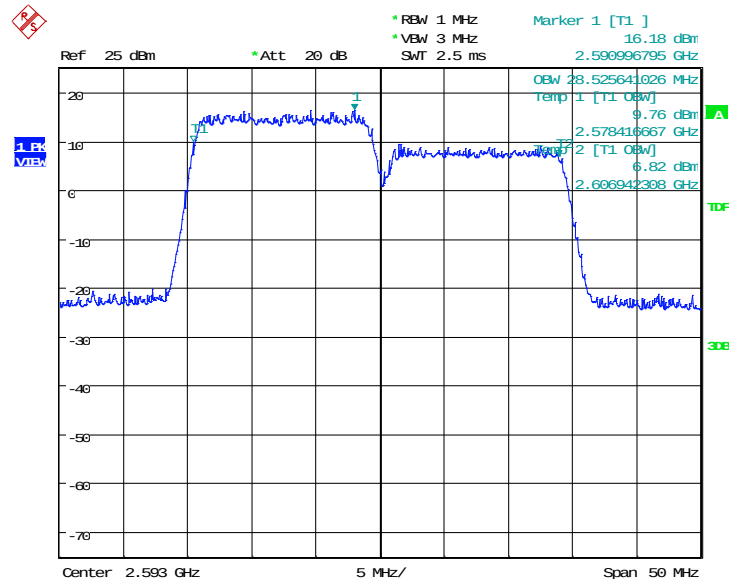
Date: 24.FEB.2020 09:52:19

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



Date: 24.FEB.2020 09:52:35

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

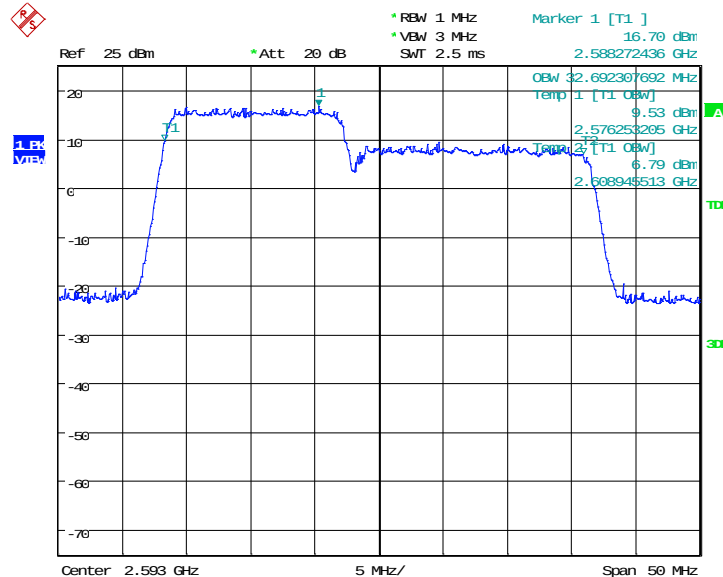


Date: 24.FEB.2020 09:52:57

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

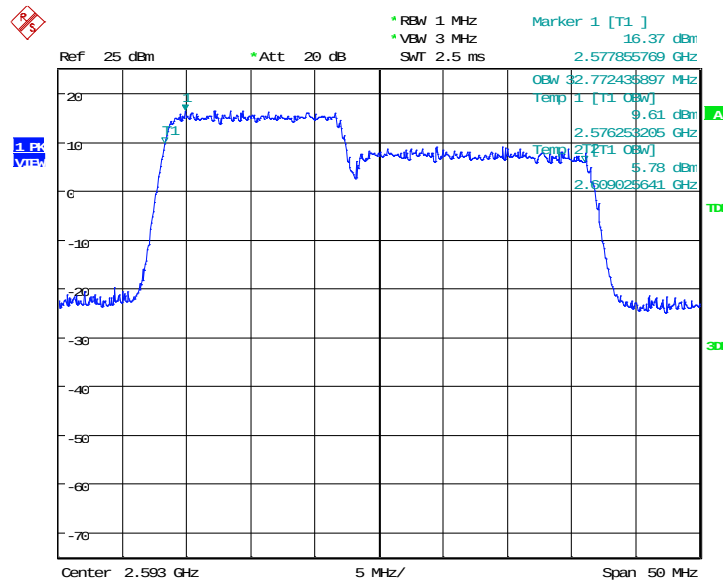
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	32692.31	32772.44	32612.18

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



Date: 24.FEB.2020 10:01:53

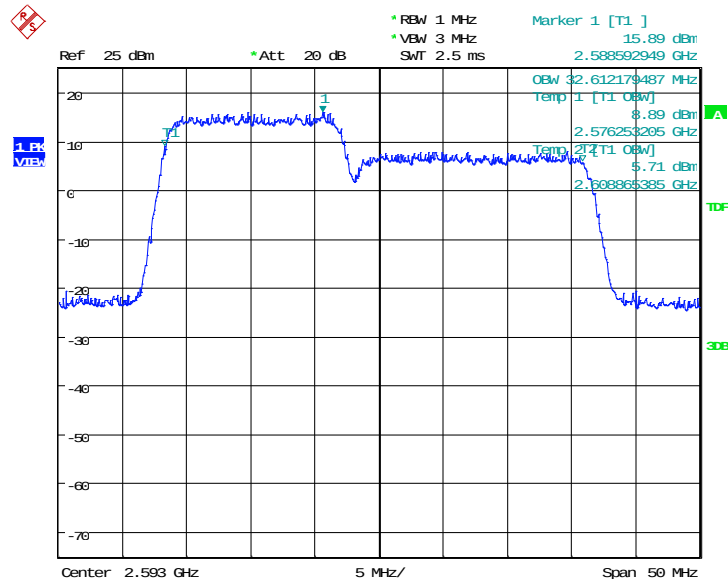
LTE Band CA_41C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 24.FEB.2020 10:02:13



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

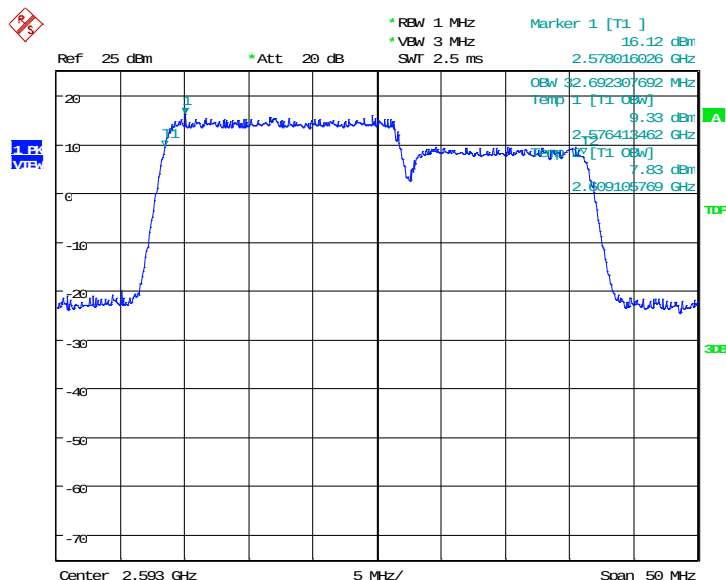


Date: 24.FEB.2020 10:01:11

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

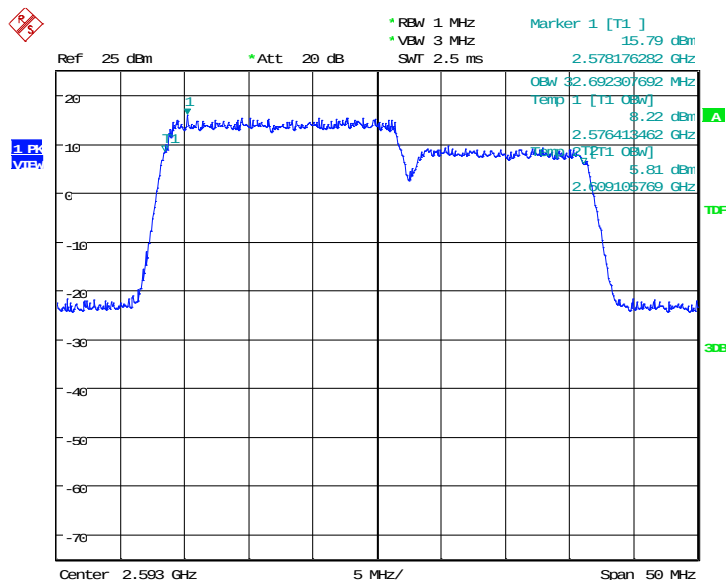
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	32692.31	32692.31	32692.31

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



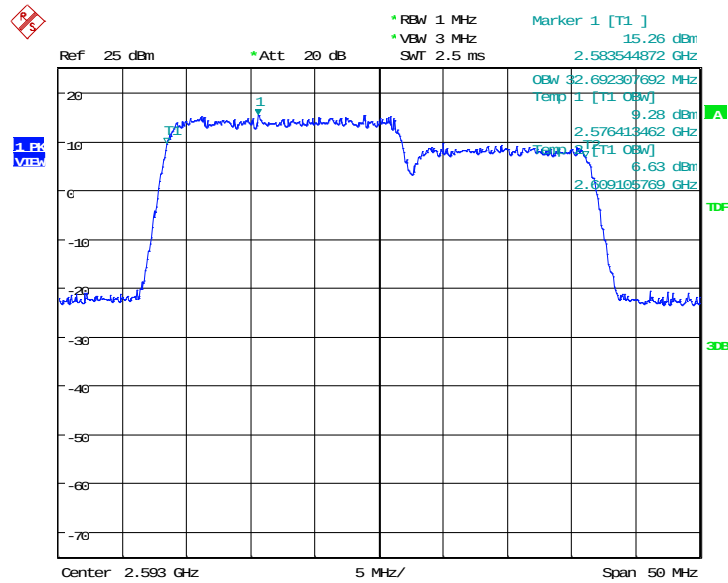
Date: 24.FEB.2020 10:06:29

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



Date: 24.FEB.2020 10:06:42

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

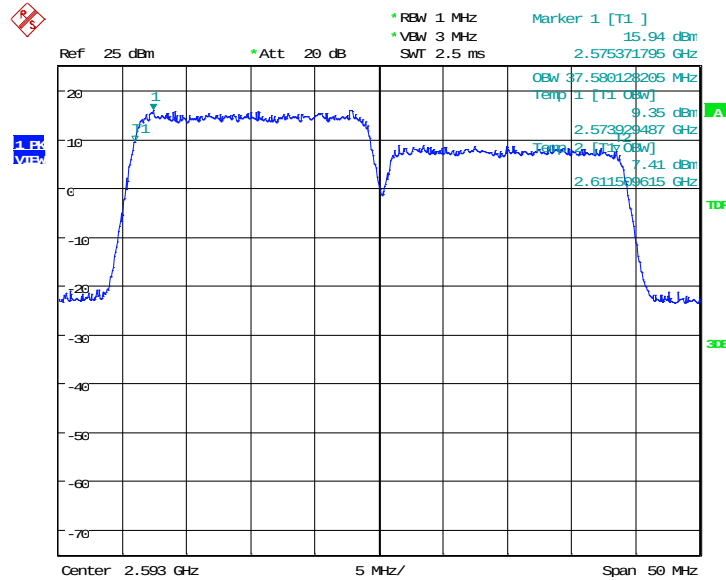


Date: 24.FEB.2020 10:05:43

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

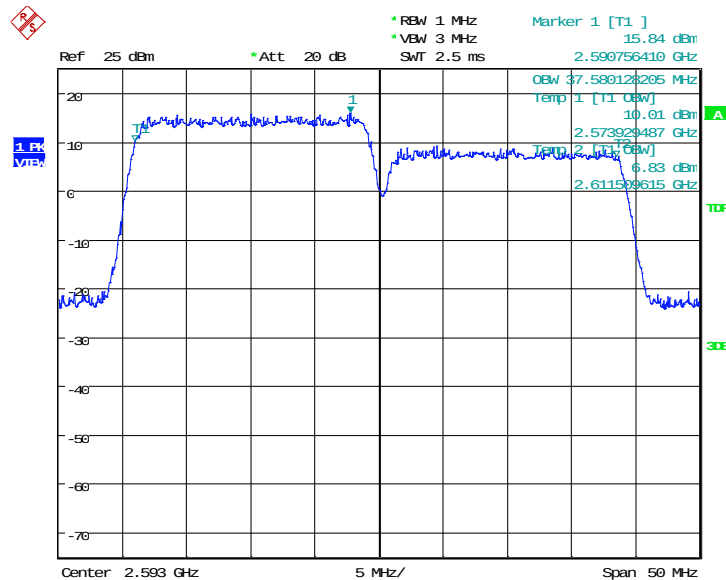
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	37580.13	37580.13	37419.87

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



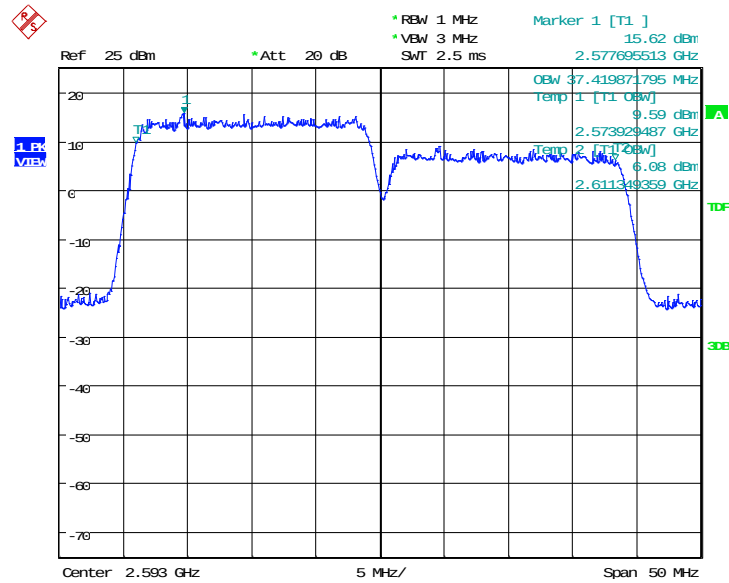
Date: 24.FEB.2020 10:12:28

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



Date: 24.FEB.2020 10:12:44

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



Date: 24.FEB.2020 10:13:16

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.

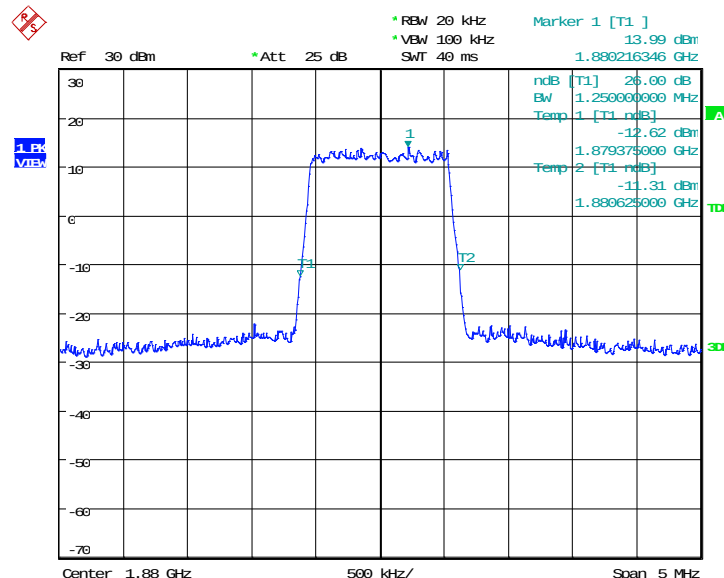
A.5.1 Emission Bandwidth Results

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)

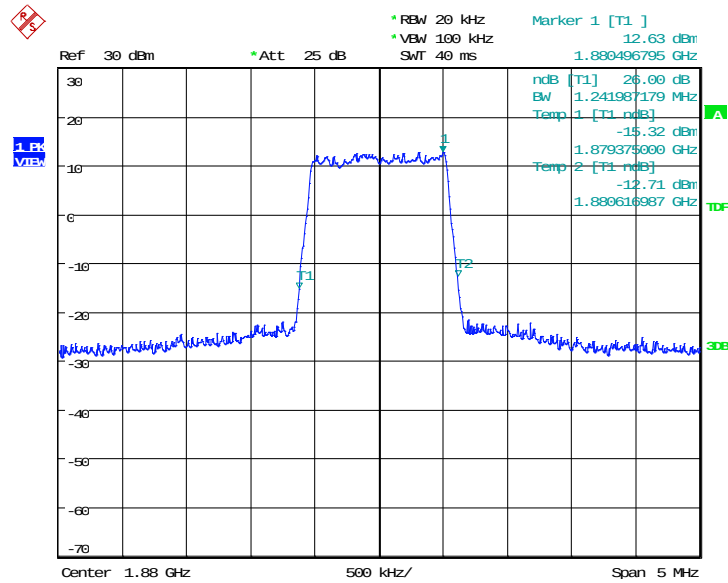
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	1250.00	1241.99	1241.99

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



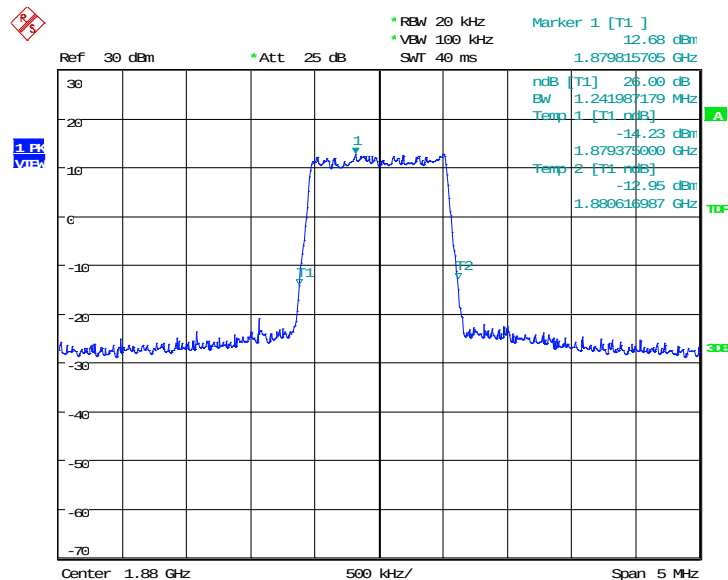
Date: 13. JAN. 2020 16:03:40

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



Date: 13. JAN. 2020 16:03:56

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

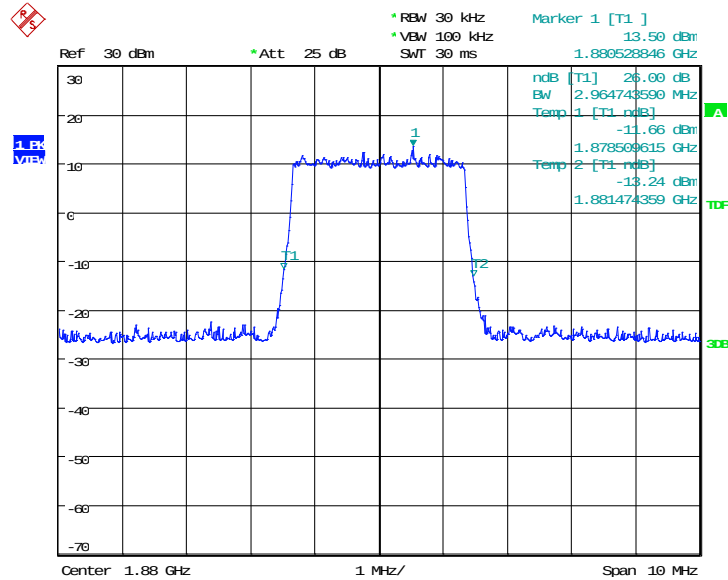


Date: 15. JAN. 2020 08:47:17

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

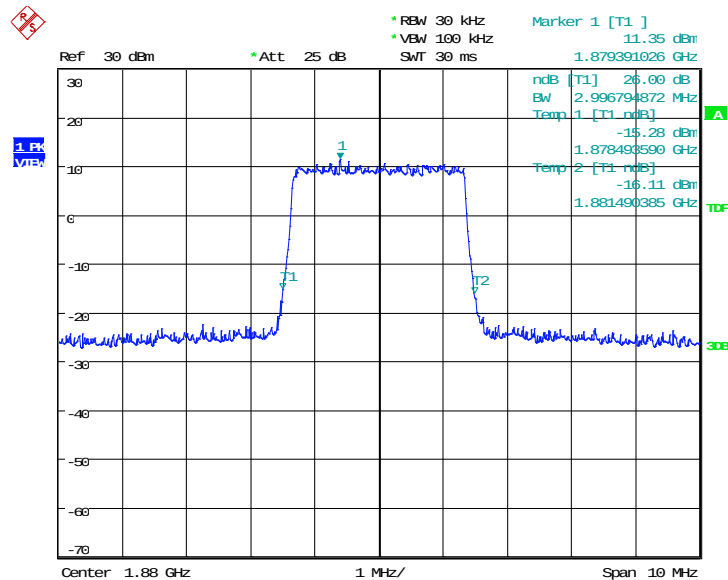
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	2964.74	2996.79	2948.72

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



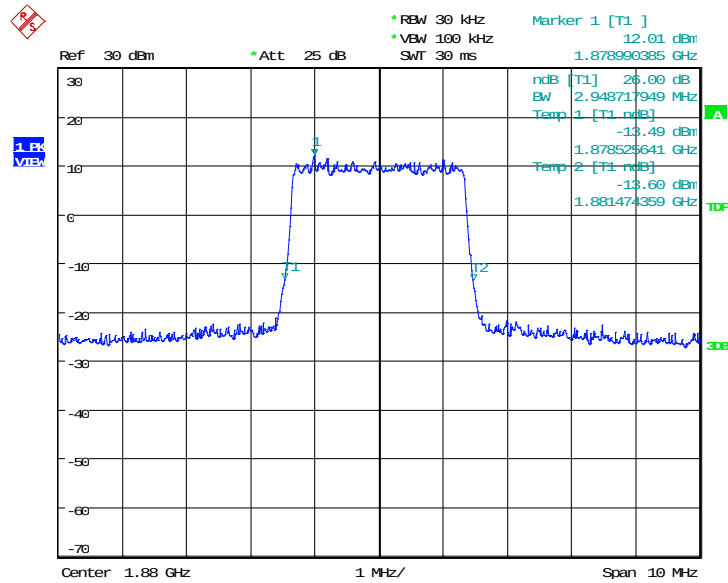
Date: 13. JAN. 2020 16:09:07

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



Date: 13. JAN. 2020 16:09:23

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

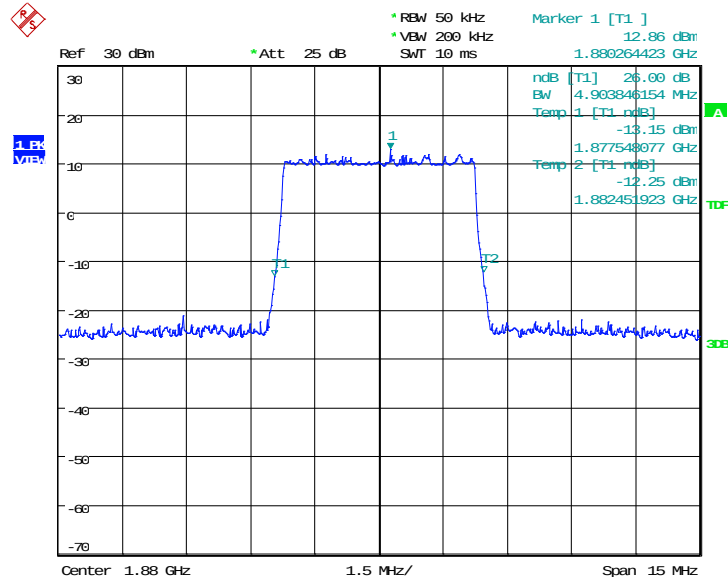


Date: 15.JAN.2020 08:50:44

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

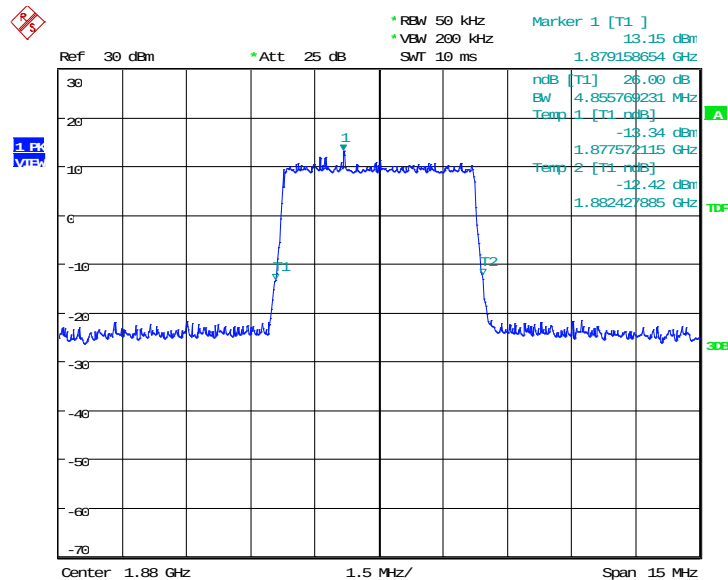
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	4903.85	4855.77	4927.88

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



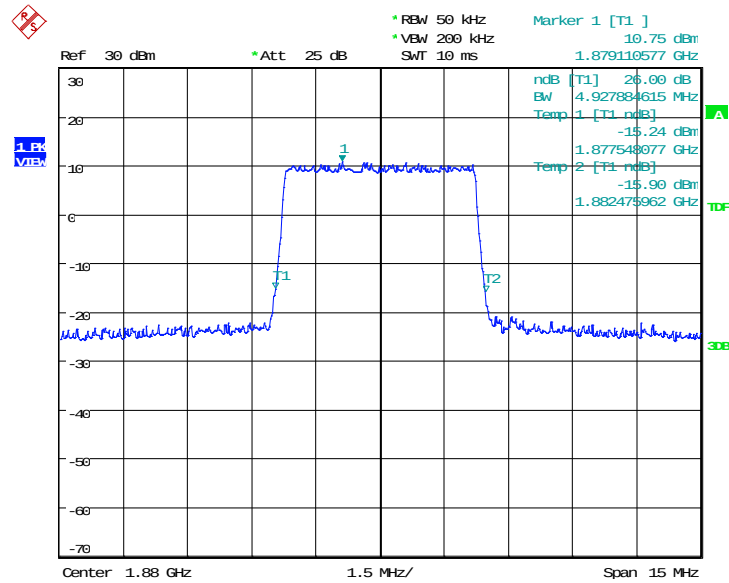
Date: 13. JAN. 2020 16:14:34

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



Date: 13. JAN. 2020 16:14:50

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

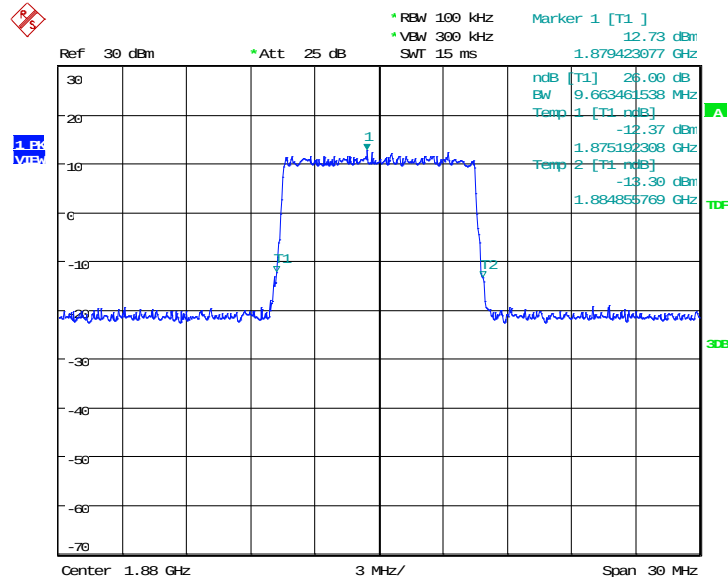


Date: 15.JAN.2020 08:54:11

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

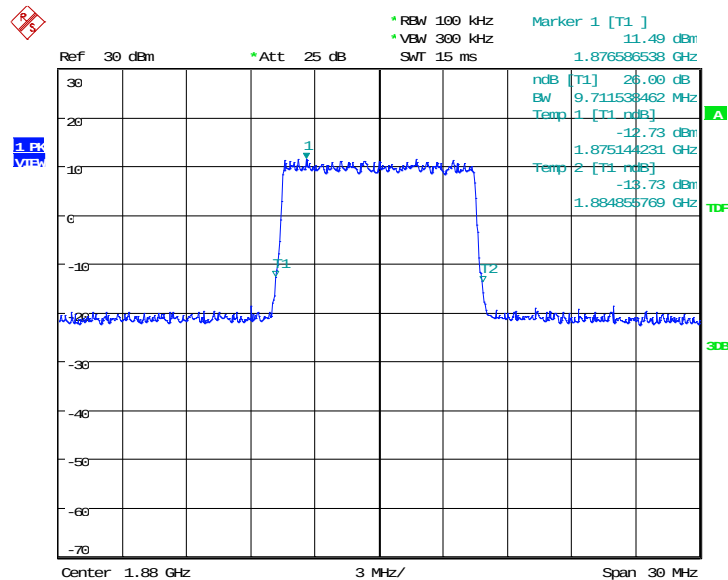
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	9663.46	9711.54	9759.62

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



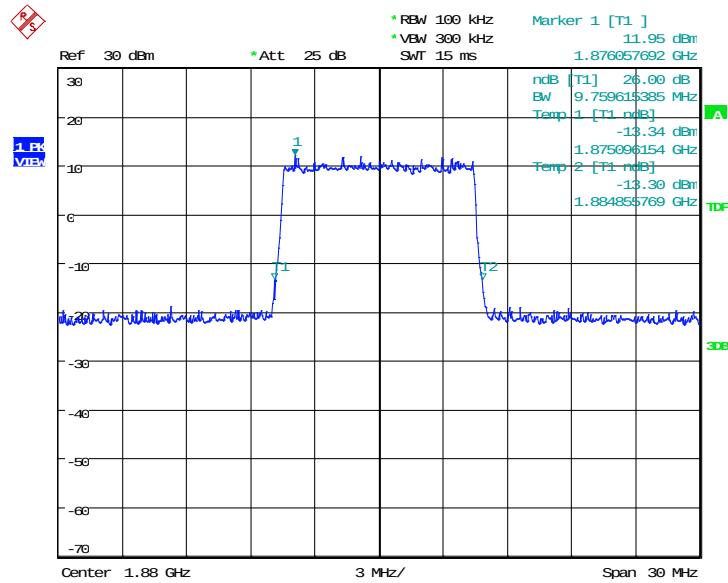
Date: 13. JAN. 2020 16:20:02

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



Date: 13. JAN. 2020 16:20:18

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

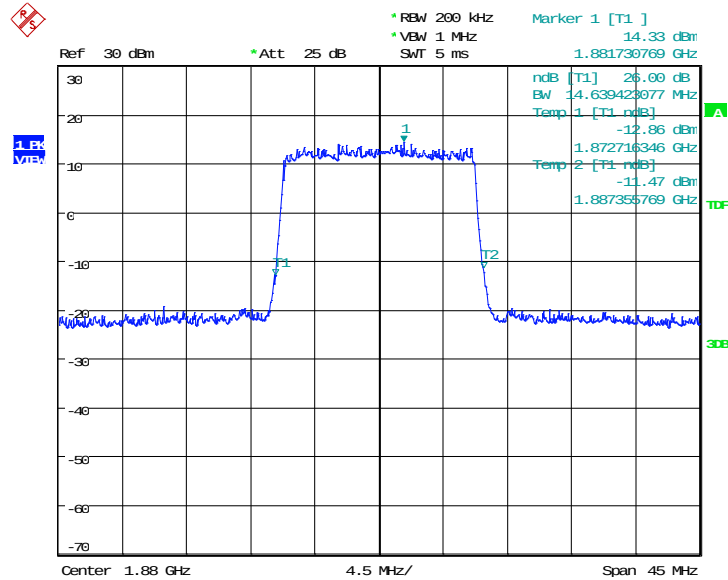


Date: 15.JAN.2020 08:58:08

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

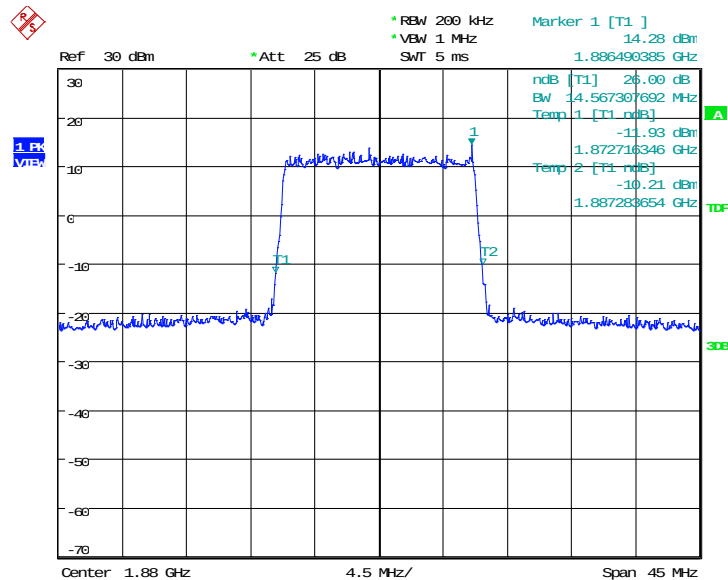
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	14639.42	14567.31	14711.54

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



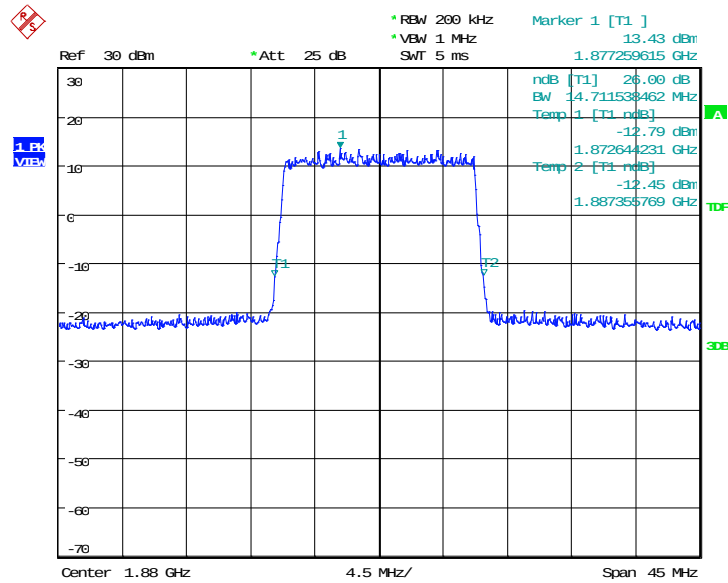
Date: 13.JAN.2020 16:25:30

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



Date: 13.JAN.2020 16:25:45

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

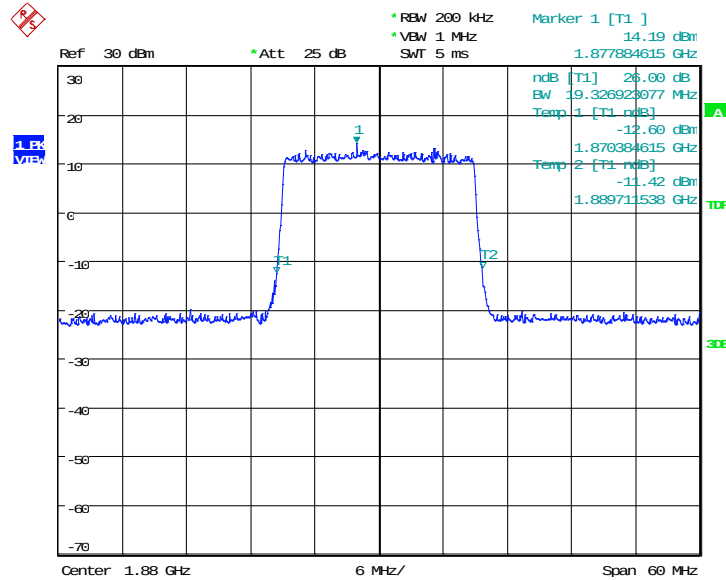


Date: 15.JAN.2020 09:01:36

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

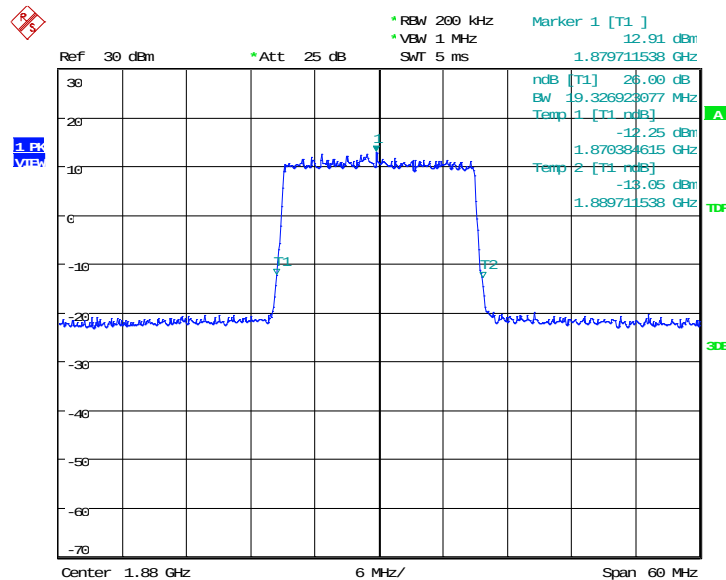
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	19326.92	19326.92	19326.92

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



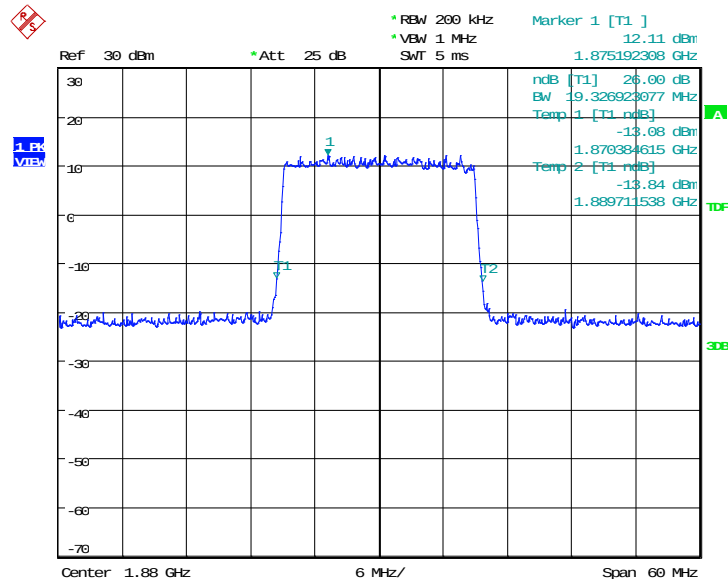
Date: 13. JAN. 2020 16:30:57

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



Date: 13. JAN. 2020 16:31:13

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

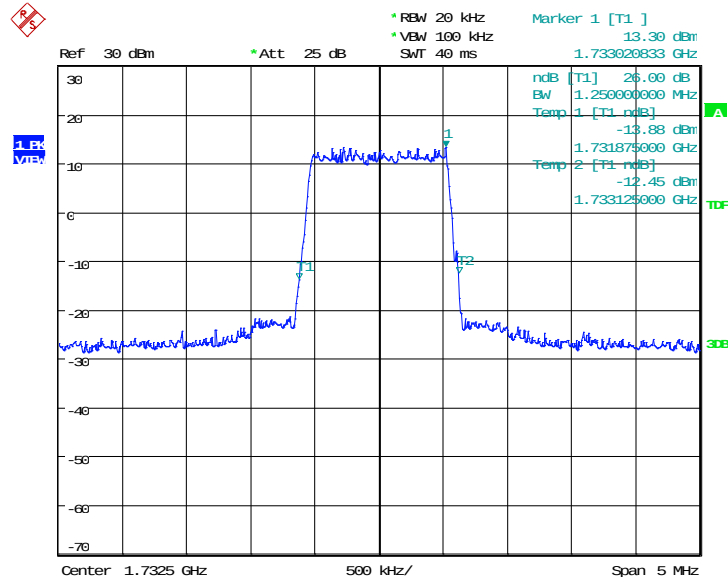


Date: 15.JAN.2020 09:05:03

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

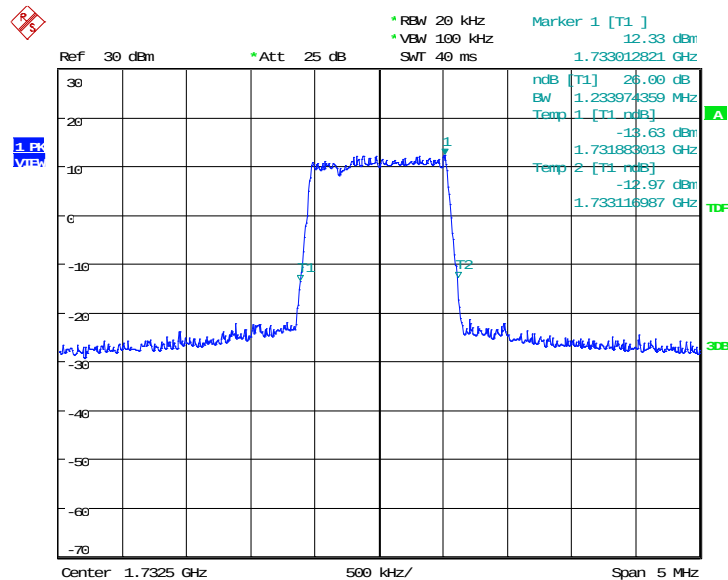
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	1250.00	1233.97	1241.99

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



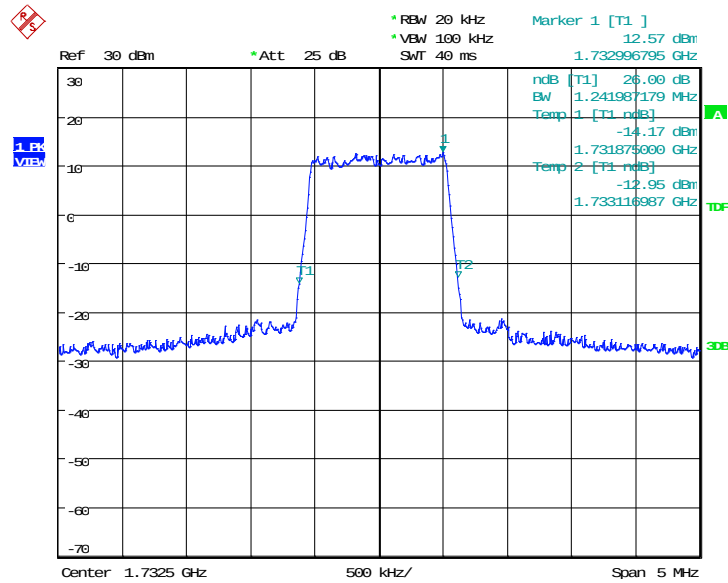
Date: 13.JAN.2020 16:36:30

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



Date: 13.JAN.2020 16:36:46

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

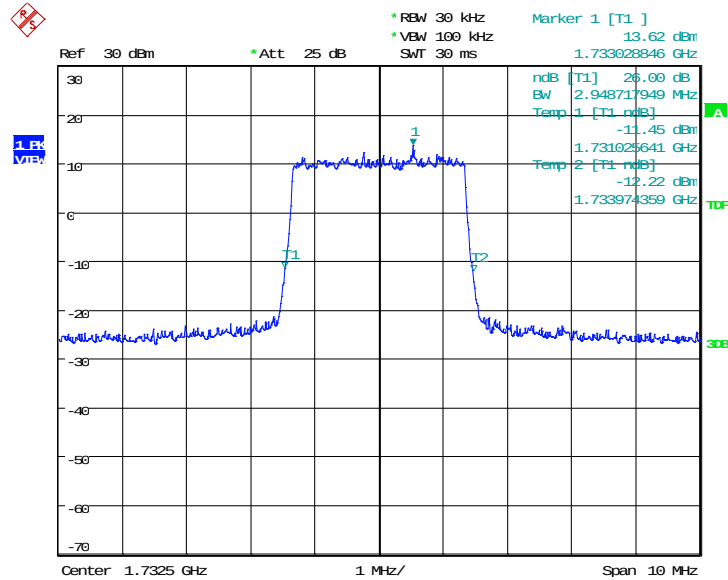


Date: 15.JAN.2020 09:08:33

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

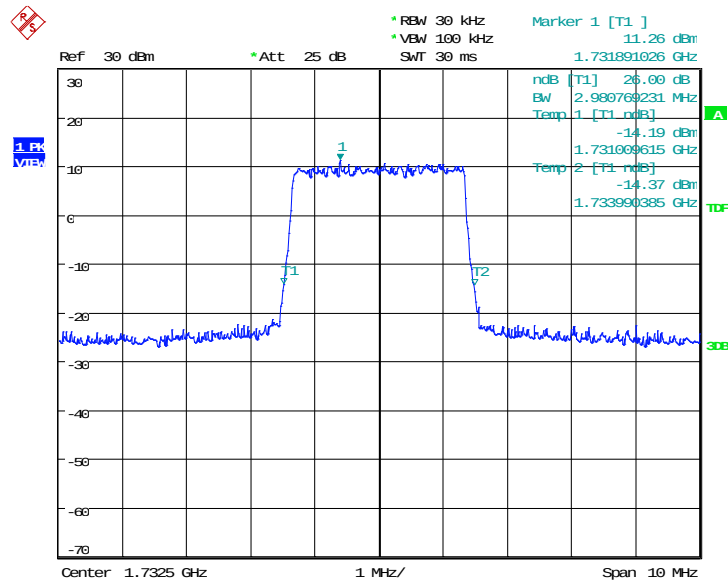
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	2948.72	2980.77	2964.74

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



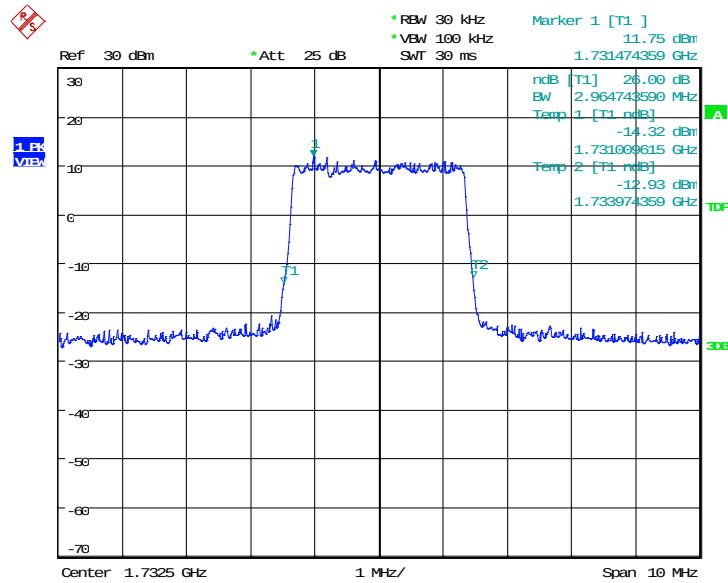
Date: 13. JAN. 2020 16:41:58

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



Date: 13. JAN. 2020 16:42:14

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

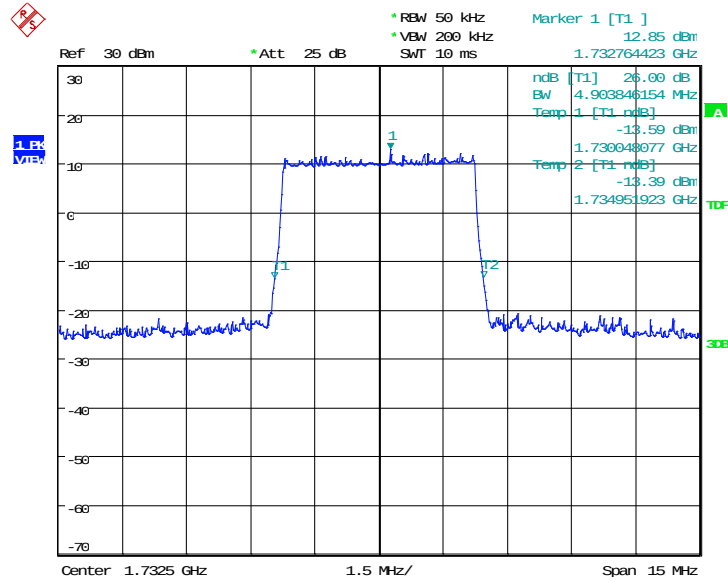


Date: 15.JAN.2020 09:12:00

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

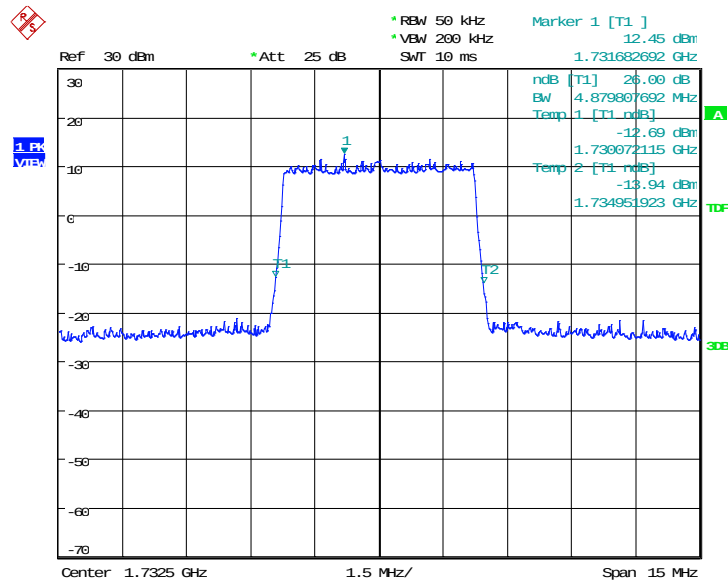
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	4903.85	4879.81	4927.88

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



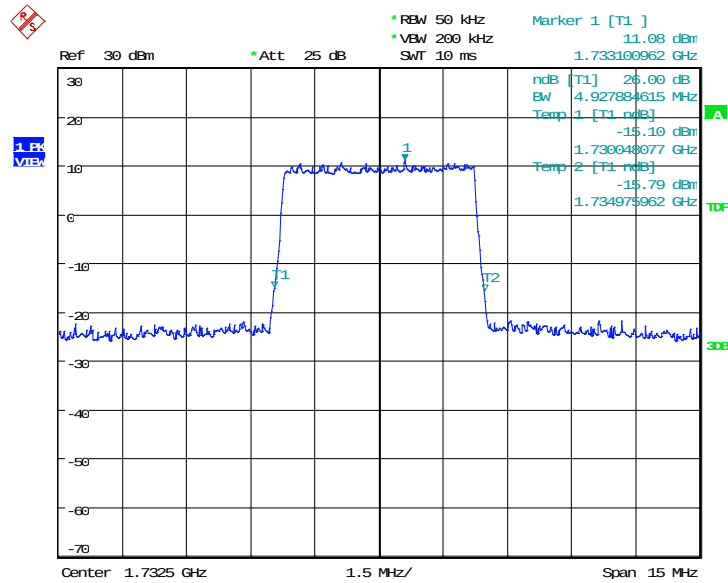
Date: 13. JAN. 2020 16:47:25

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



Date: 13. JAN. 2020 16:47:41

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

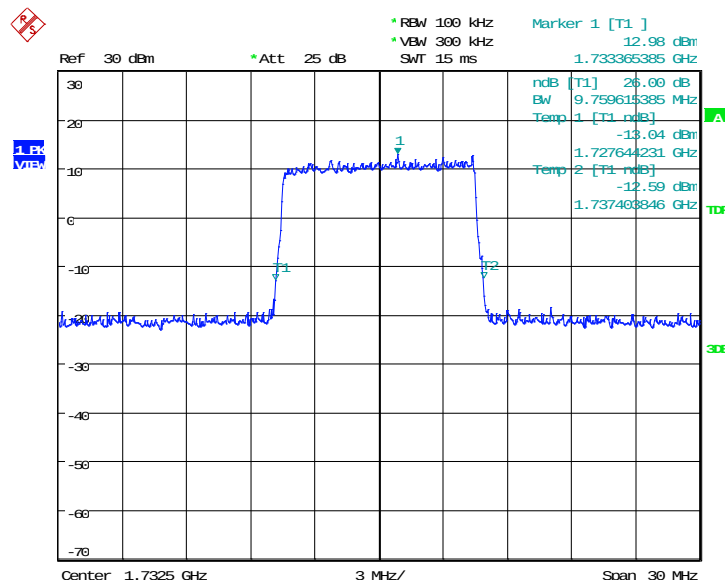


Date: 15.JAN.2020 09:15:27

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

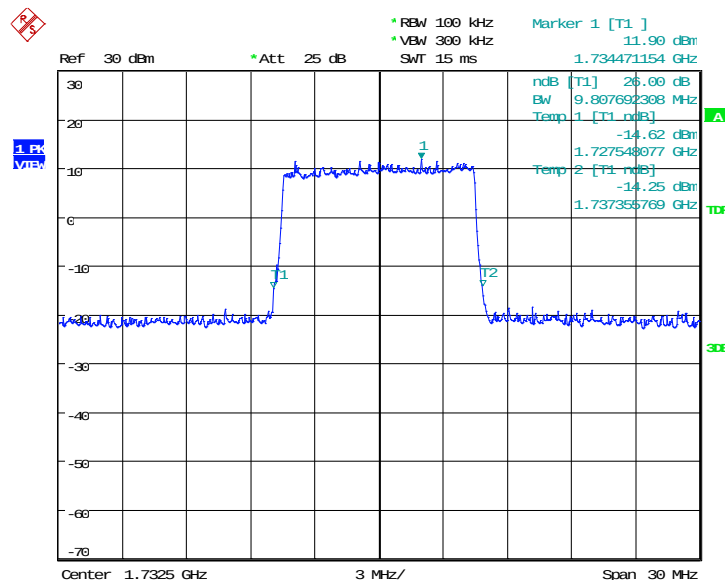
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	9759.62	9807.69	9711.54

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



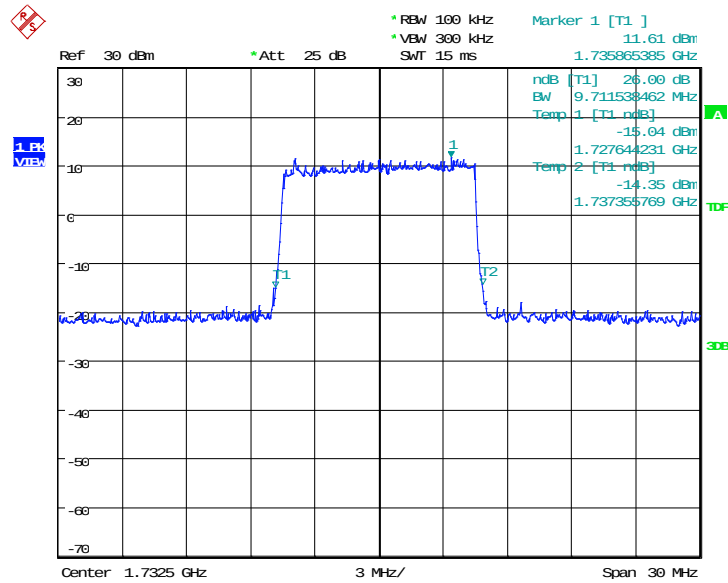
Date: 13. JAN. 2020 16:52:52

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



Date: 13. JAN. 2020 16:53:08

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

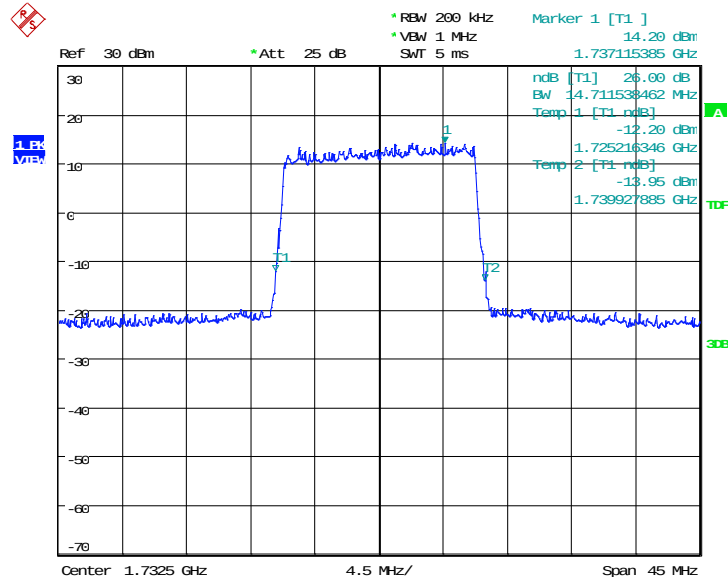


Date: 15.JAN.2020 09:18:54

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

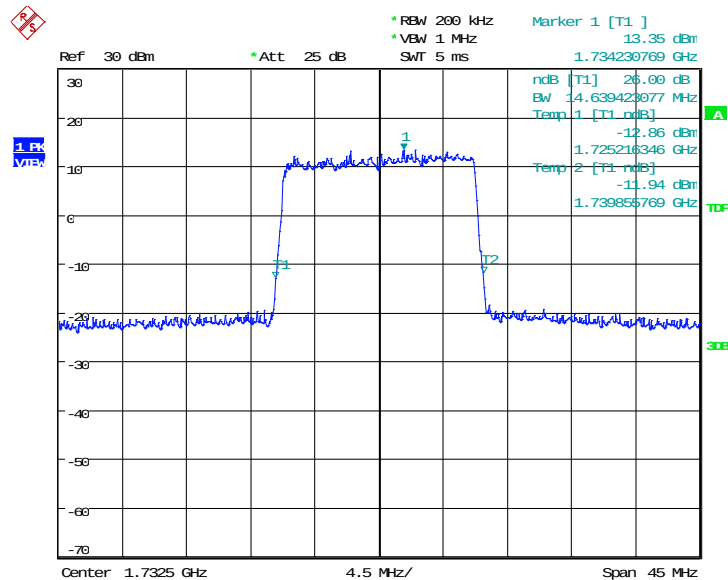
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	14711.54	14639.42	14639.42

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



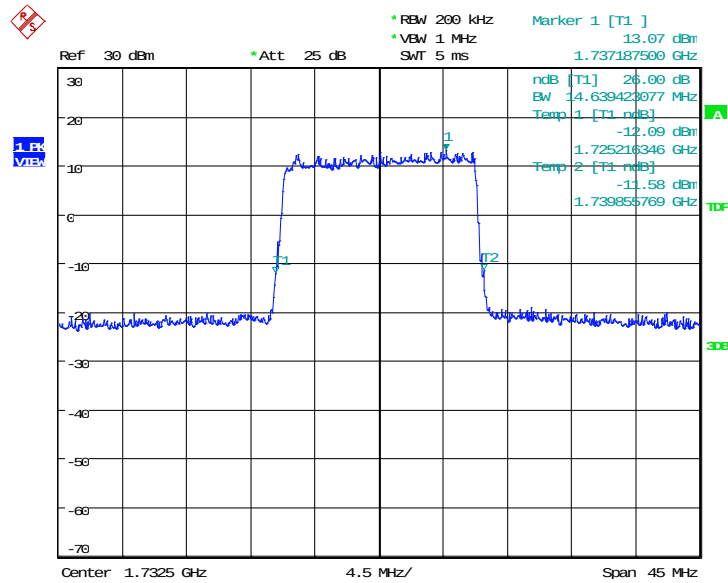
Date: 13. JAN. 2020 16:58:20

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



Date: 13. JAN. 2020 16:58:36

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

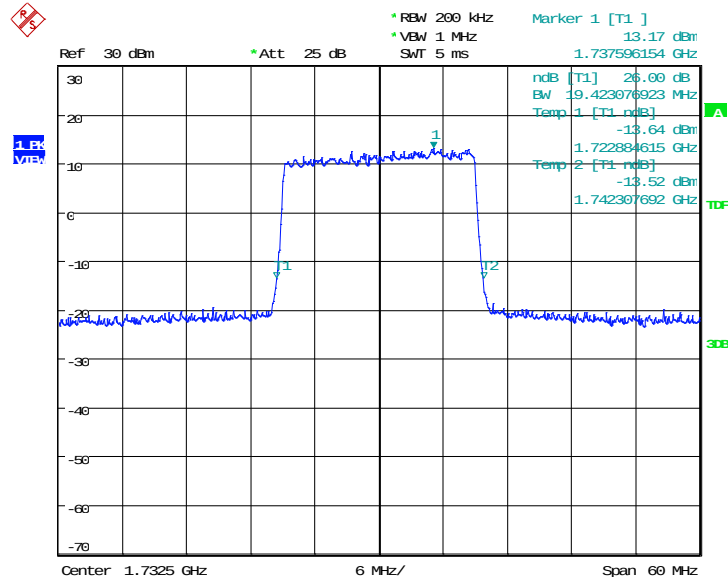


Date: 15.JAN.2020 09:22:21

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

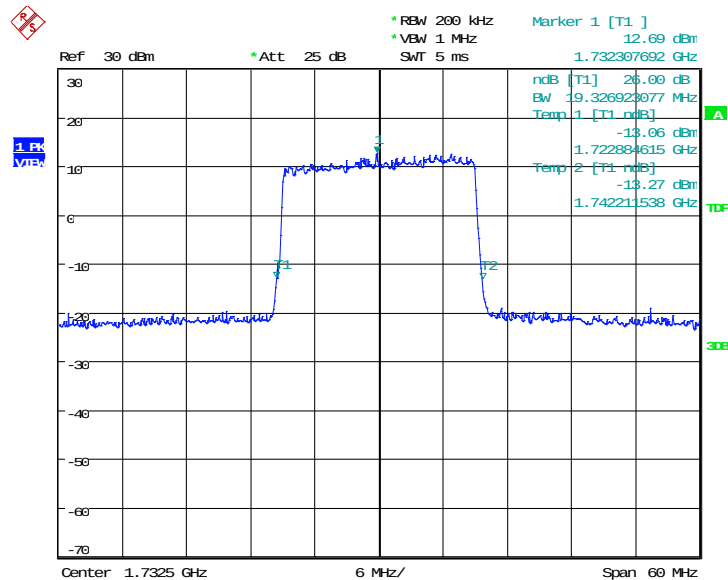
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1732.5	QPSK	16QAM	64QAM
	19423.08	19326.92	19326.92

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



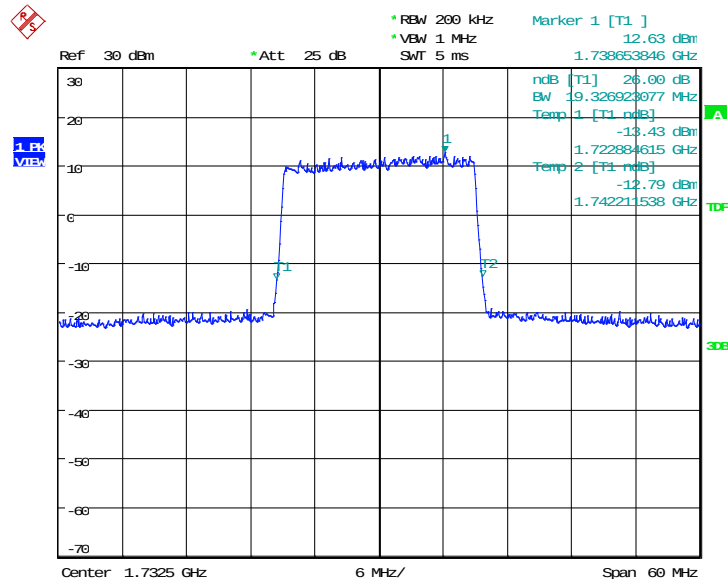
Date: 13. JAN. 2020 17:03:47

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



Date: 13. JAN. 2020 17:04:03

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

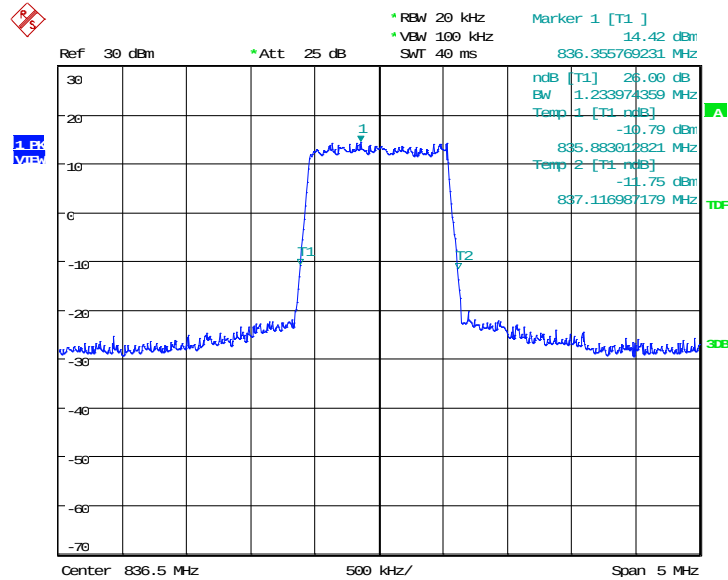


Date: 15.JAN.2020 09:25:49

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

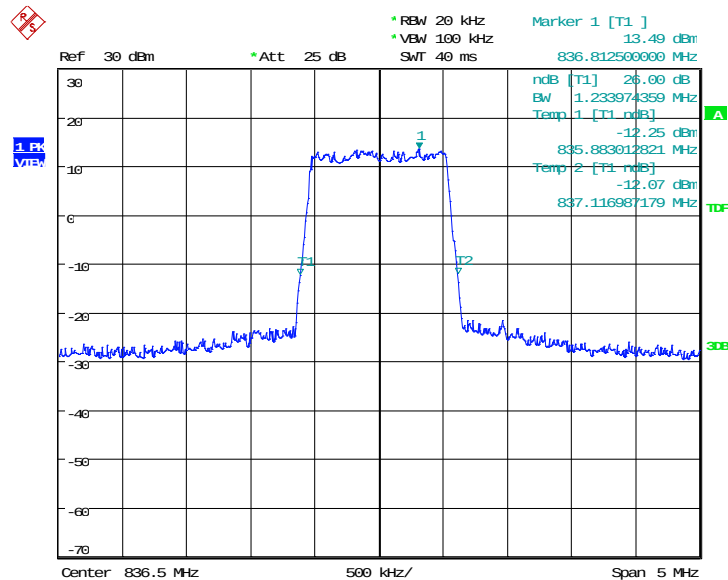
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1233.97	1233.97	1233.97

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



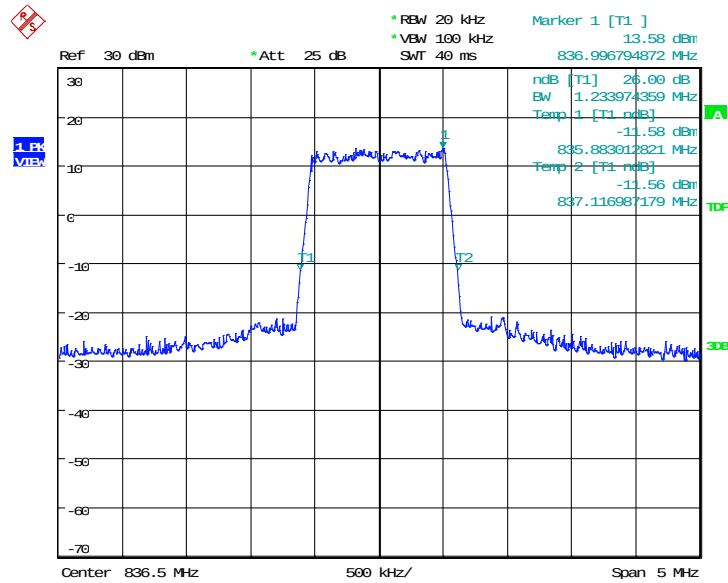
Date: 13.JAN.2020 15:41:47

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



Date: 13.JAN.2020 15:42:03

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

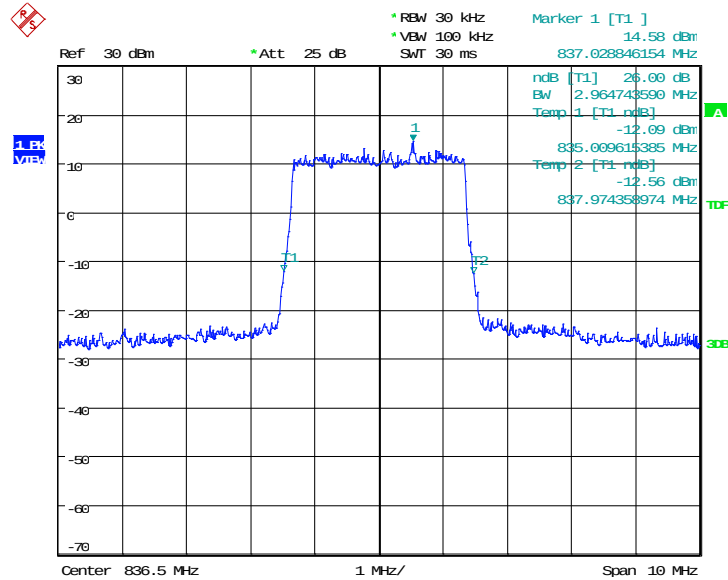


Date: 15.JAN.2020 08:33:24

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

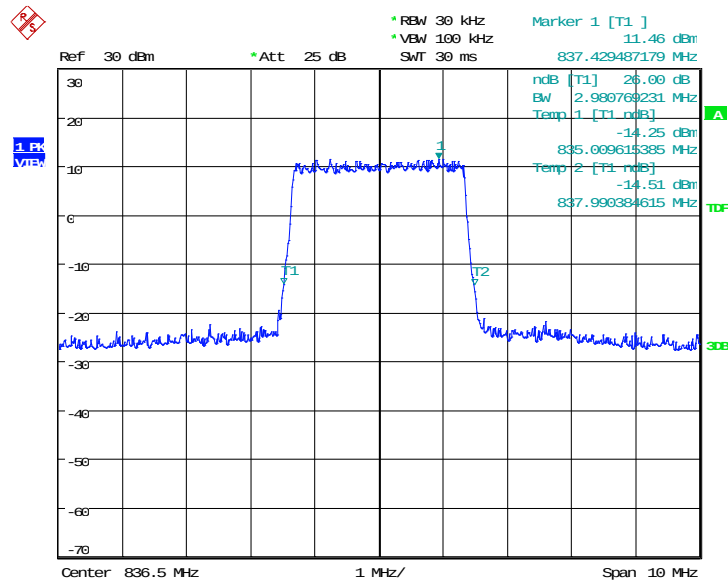
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2964.74	2980.77	2980.77

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



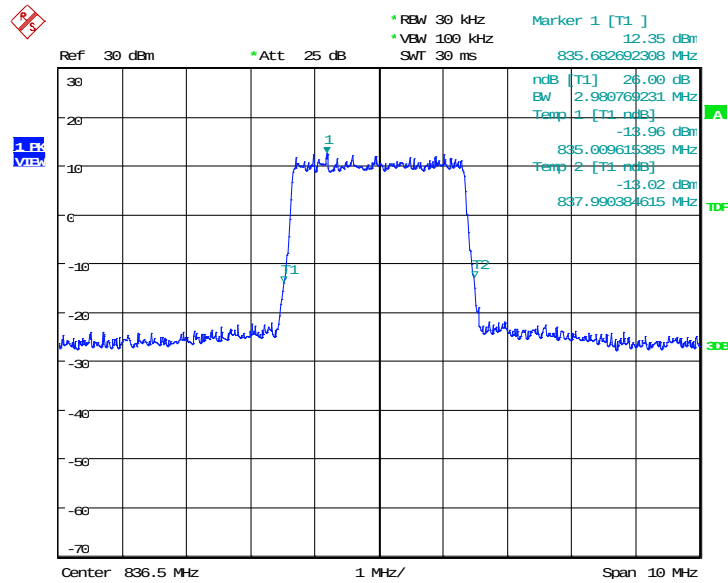
Date: 13. JAN. 2020 15:47:14

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



Date: 13. JAN. 2020 15:47:30

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

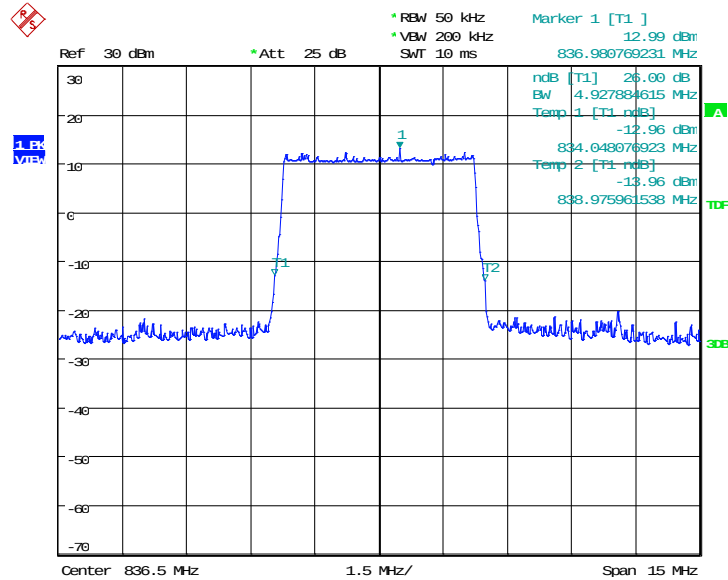


Date: 15.JAN.2020 08:36:52

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

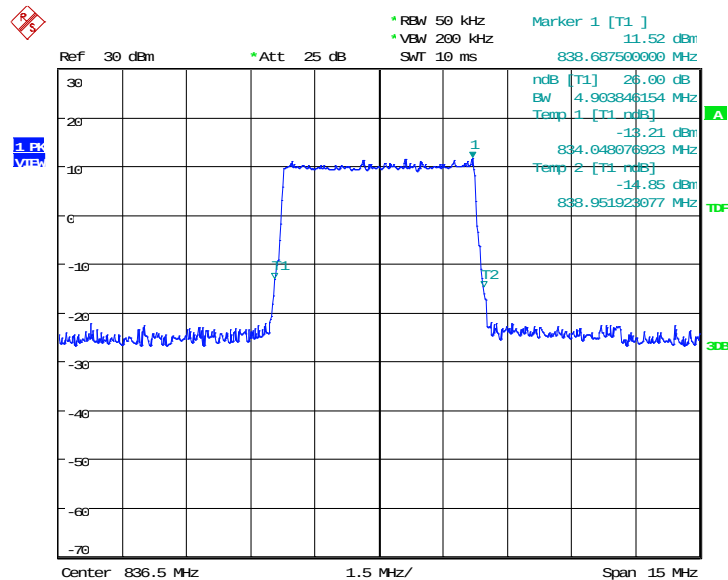
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4927.88	4903.85	4879.81

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



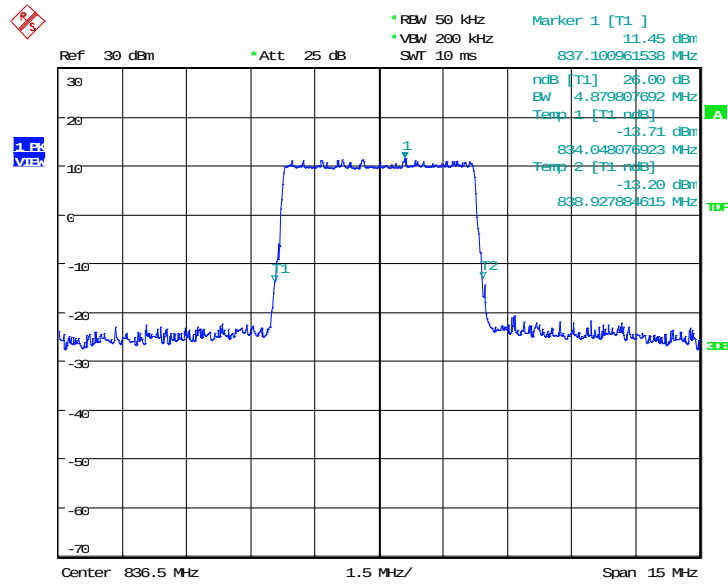
Date: 13. JAN. 2020 15:52:42

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



Date: 13. JAN. 2020 15:52:57

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

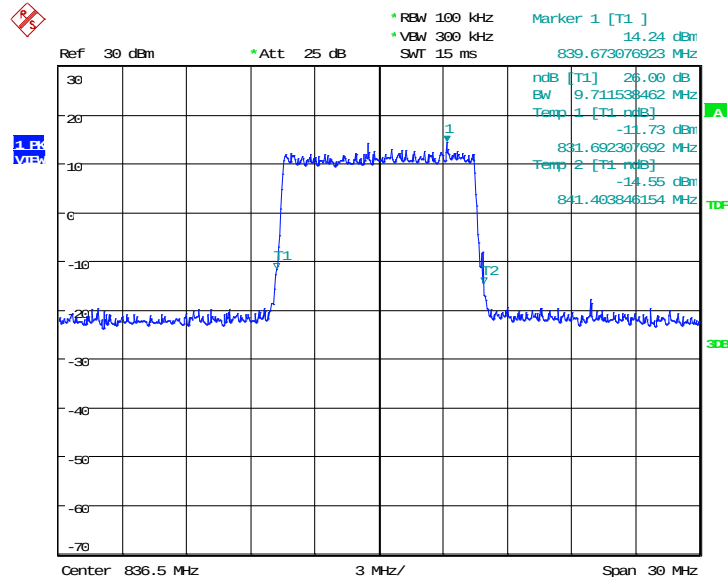


Date: 15.JAN.2020 08:40:19

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

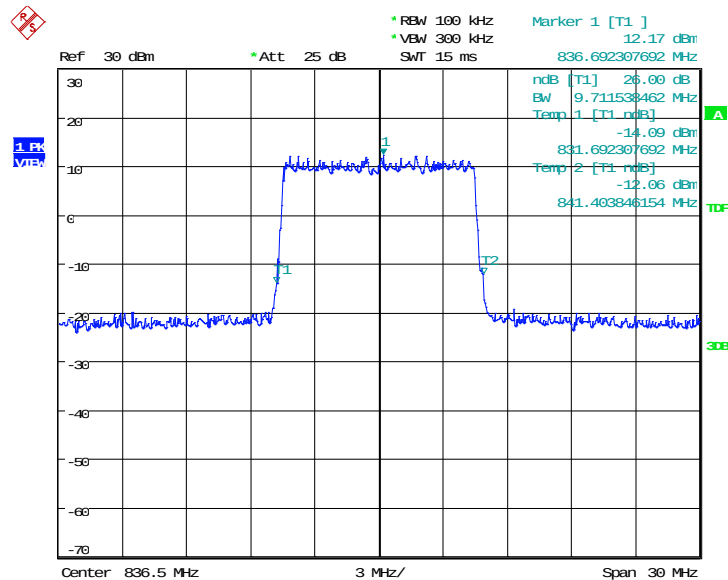
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9711.54	9711.54	9663.46

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



Date: 13. JAN. 2020 15:58:09

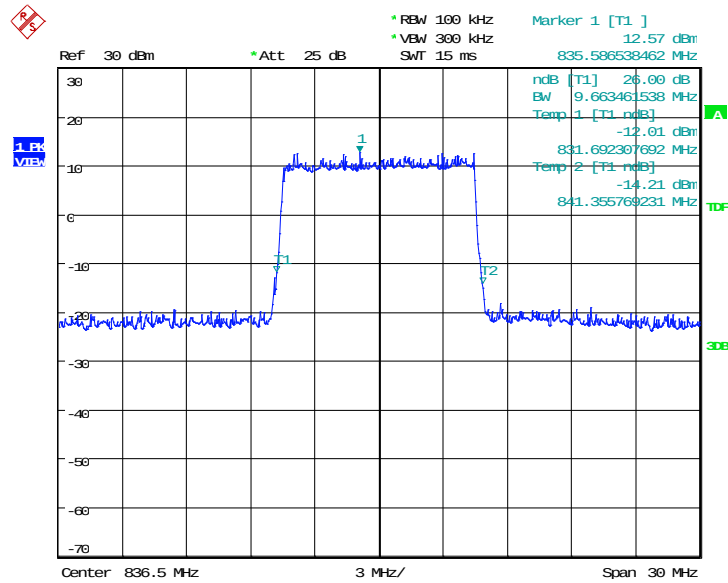
LTE band 5, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13. JAN. 2020 15:58:24



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

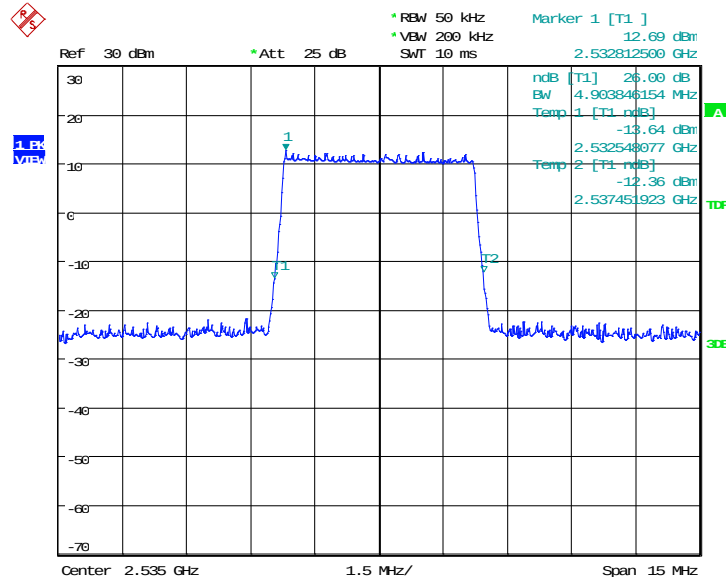


Date: 15.JAN.2020 08:43:46

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

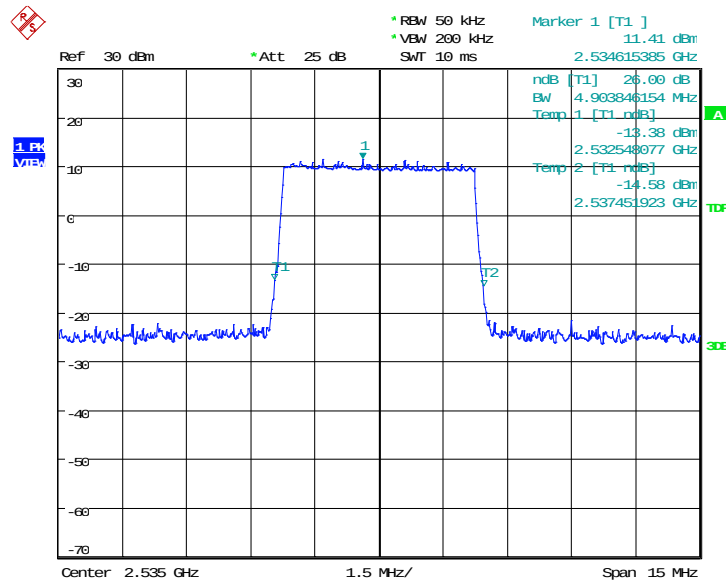
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	4903.85	4903.85	4879.81

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



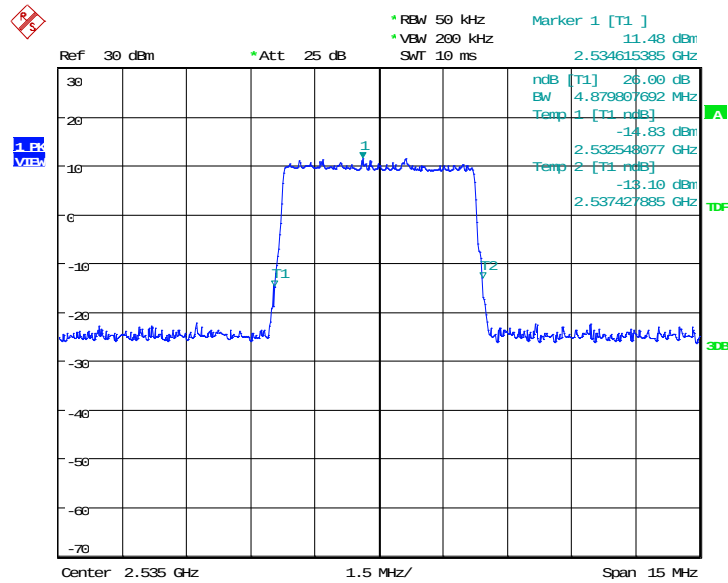
Date: 14. JAN. 2020 11:04:44

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



Date: 14. JAN. 2020 11:05:00

LTE band 7, 5MHz Bandwidth,64QAM (-26dBc BW)

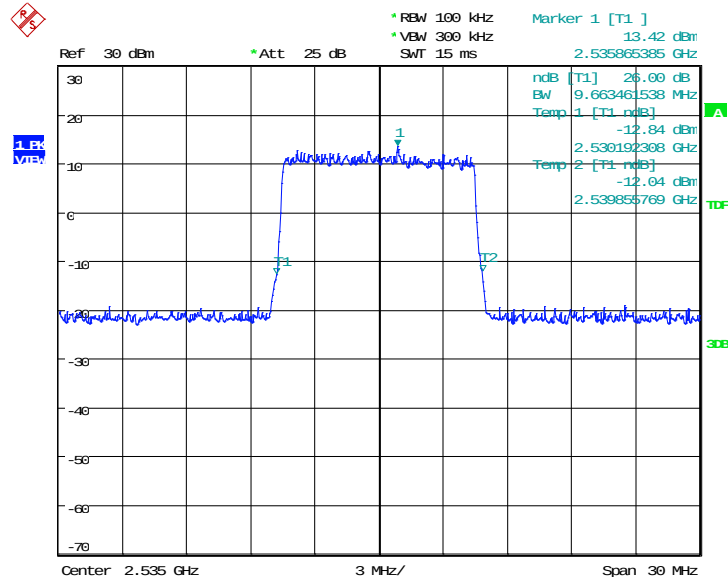


Date: 15.JAN.2020 07:06:52

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

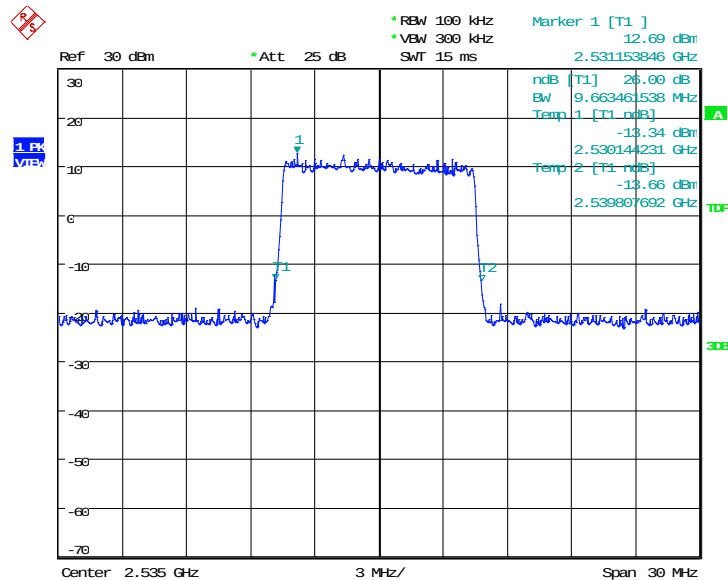
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	9663.46	9663.46	9711.54

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



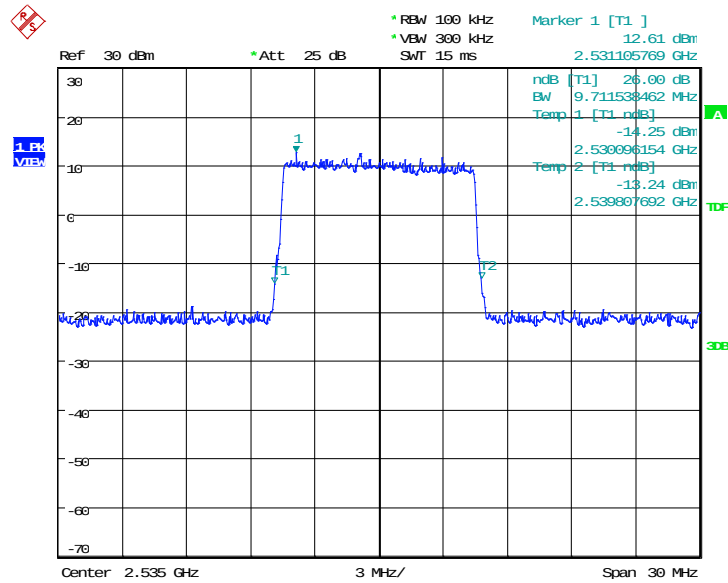
Date: 15. JAN. 2020 06:37:25

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



Date: 15. JAN. 2020 06:37:40

LTE band 7, 10MHz Bandwidth, 64QAM (-26dBc BW)

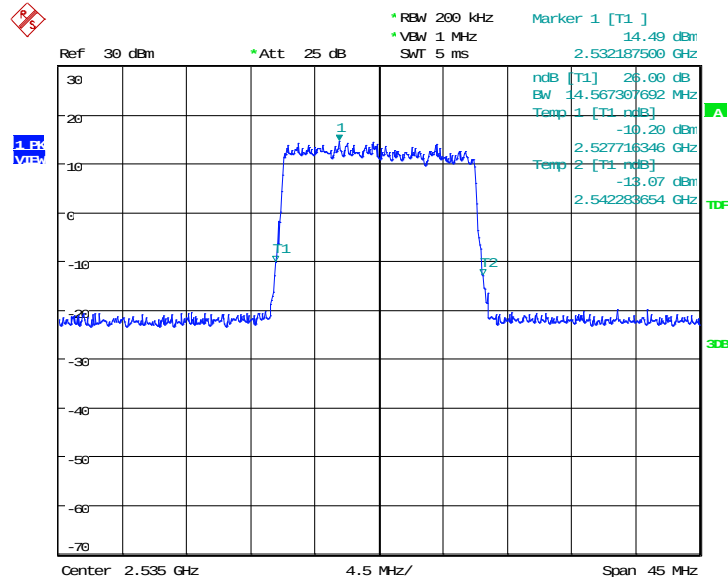


Date: 15.JAN.2020 07:10:20

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

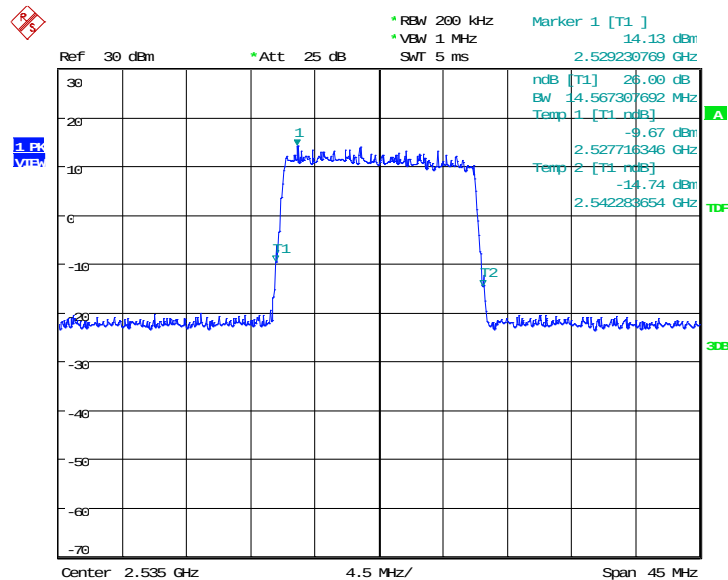
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	14567.31	14567.31	14567.31

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



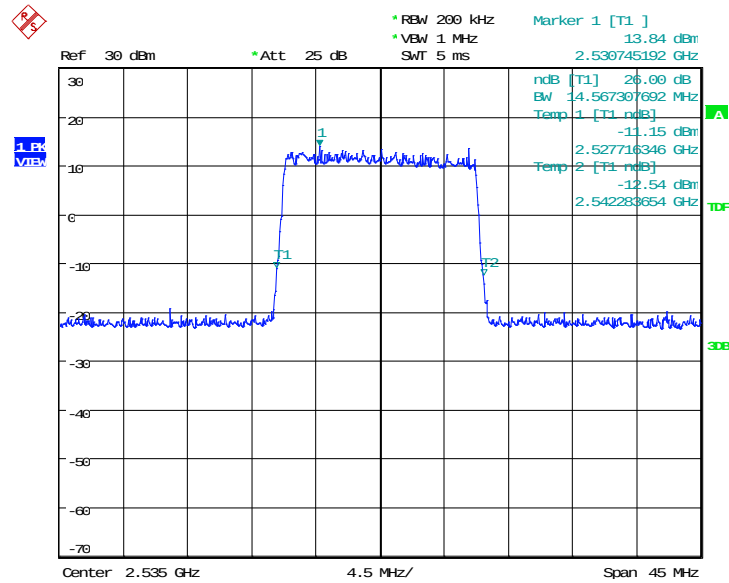
Date: 15. JAN. 2020 06:42:51

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



Date: 15. JAN. 2020 06:43:07

LTE band 7, 15MHz Bandwidth, 64QAM (-26dBc BW)

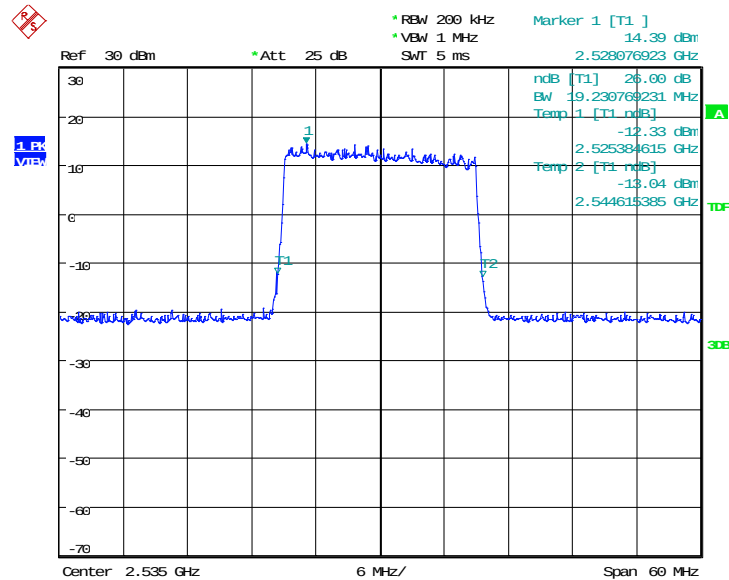


Date: 15.JAN.2020 07:13:47

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

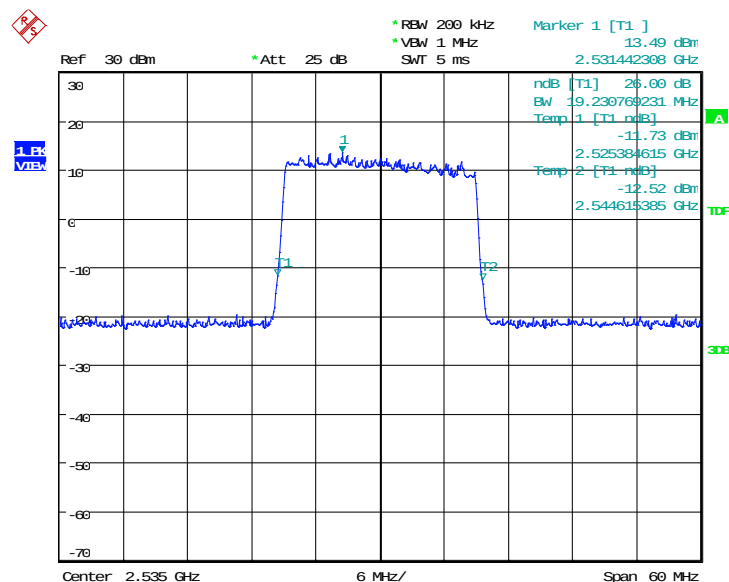
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	19230.77	19230.77	19326.92

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



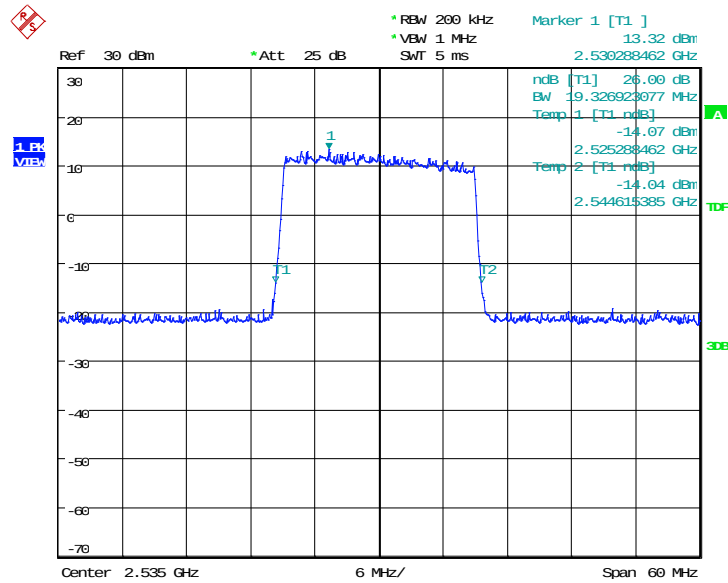
Date: 15. JAN. 2020 06:48:18

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



Date: 15. JAN. 2020 06:48:34

LTE band 7, 20MHz Bandwidth, 64QAM (-26dBc BW)



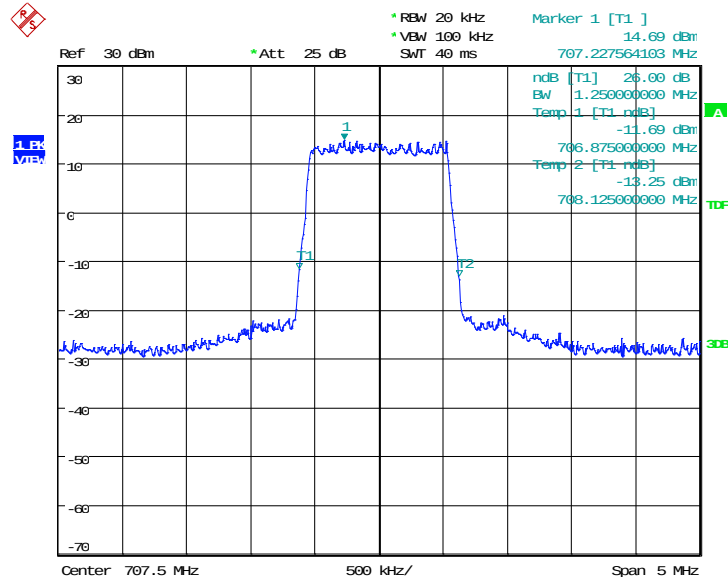
Date: 15.JAN.2020 07:17:14

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

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

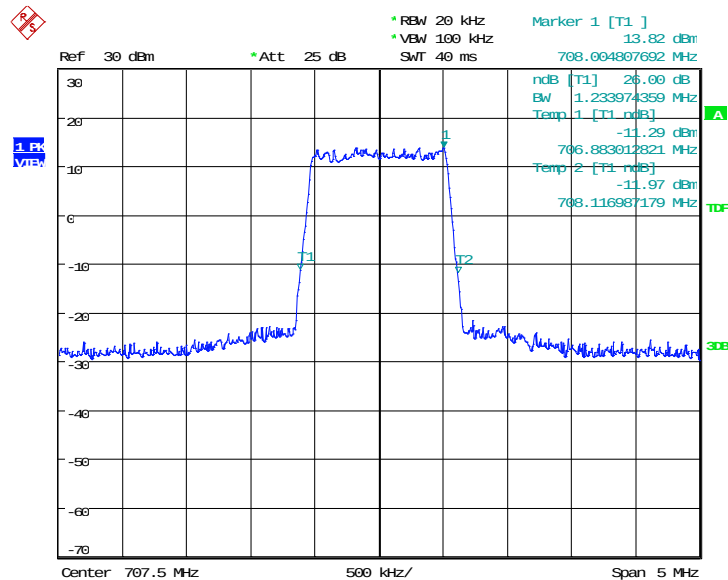
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	1250.00	1233.97	1241.99

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



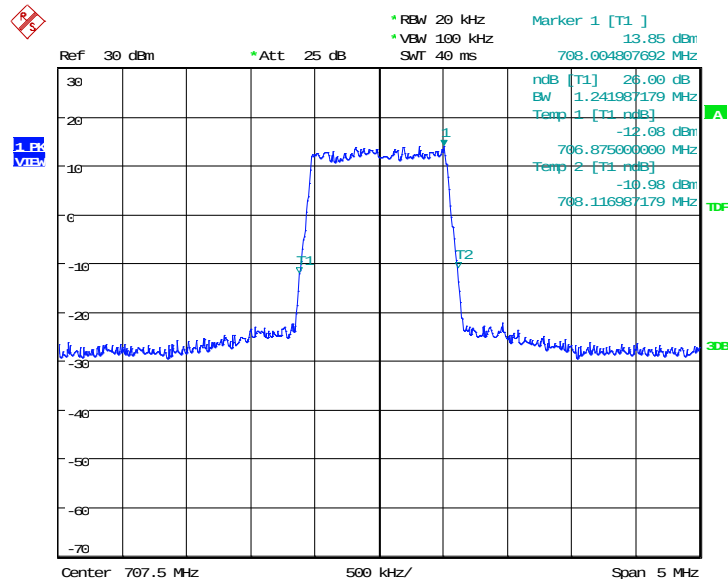
Date: 13. JAN. 2020 17:09:51

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



Date: 13. JAN. 2020 17:10:06

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

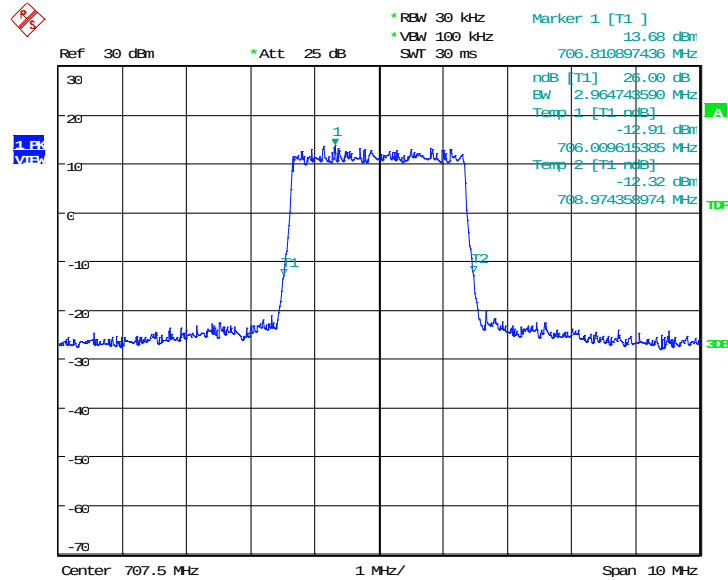


Date: 15.JAN.2020 09:29:20

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

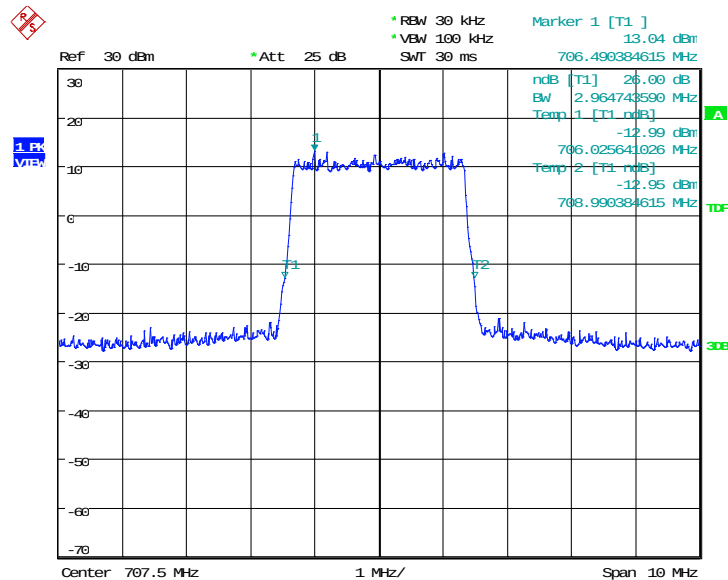
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	2964.74	2964.74	2980.77

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



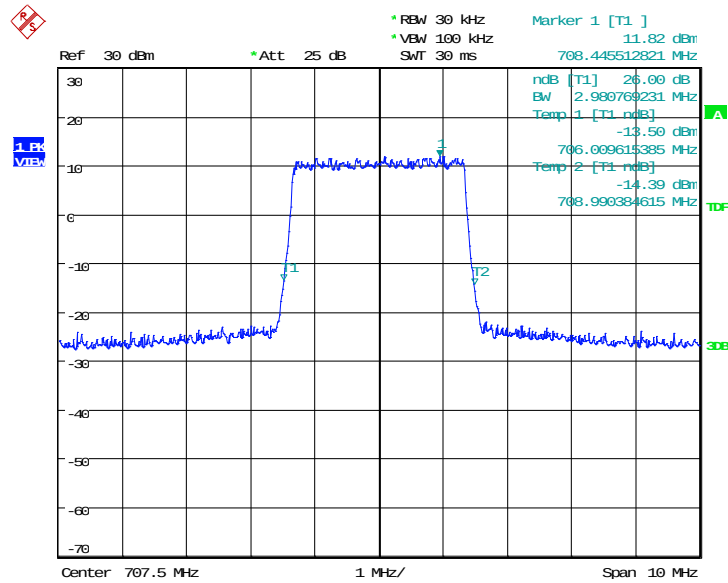
Date: 13. JAN. 2020 17:15:18

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



Date: 13. JAN. 2020 17:15:34

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

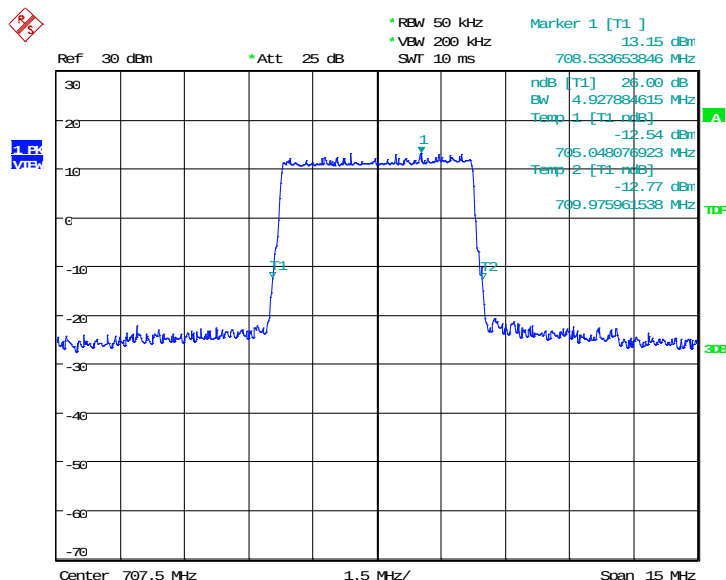


Date: 15.JAN.2020 09:33:17

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

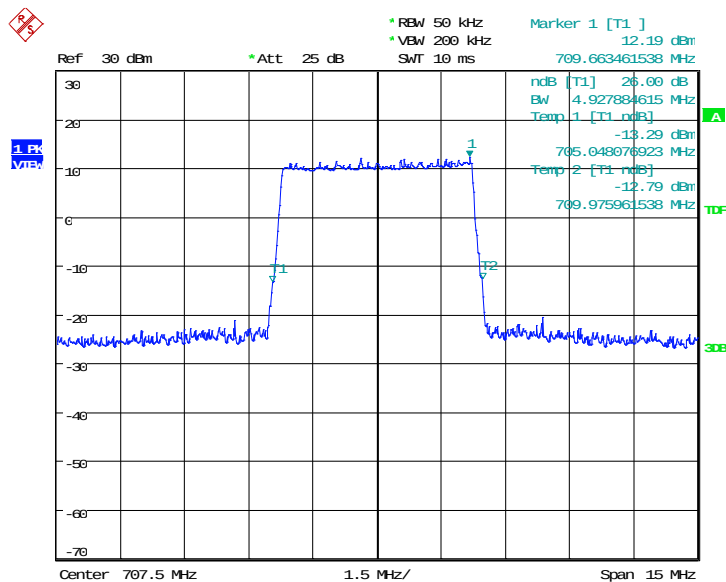
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	4927.88	4927.88	4903.85

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



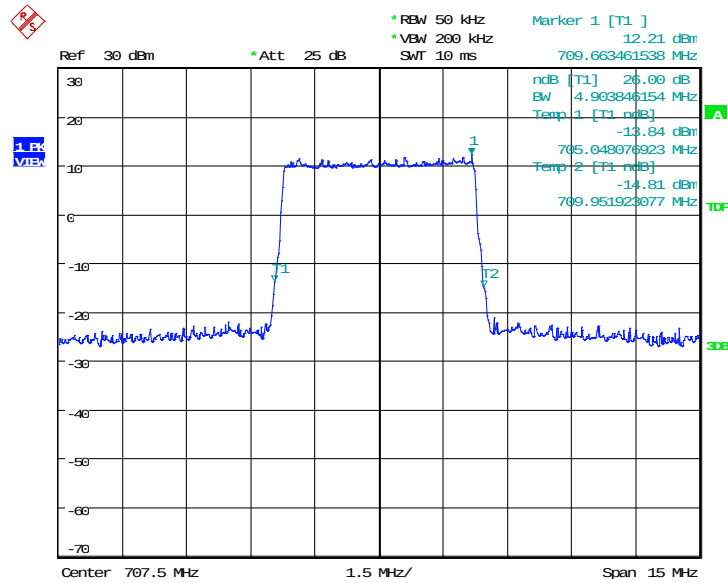
Date: 13. JAN. 2020 17:20:45

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



Date: 13. JAN. 2020 17:21:01

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

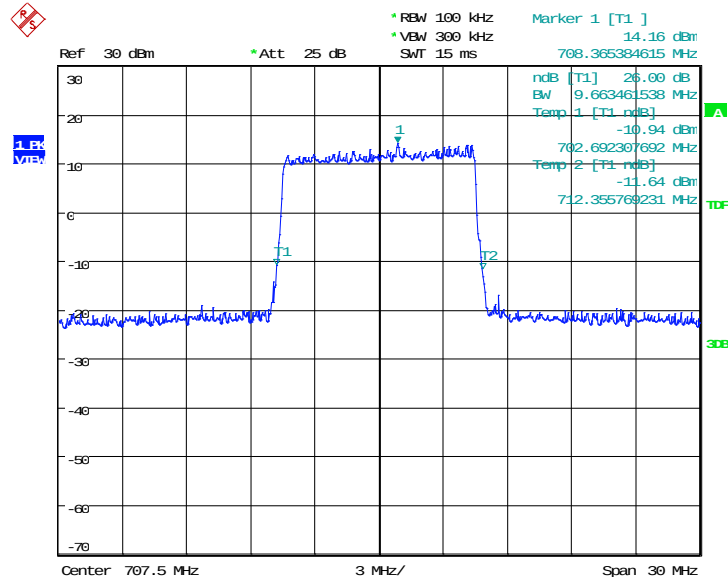


Date: 15.JAN.2020 09:36:44

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

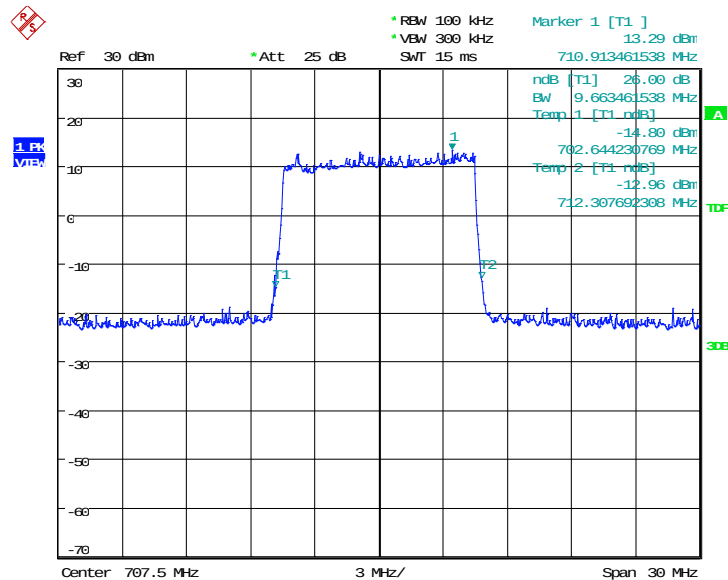
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	9663.46	9663.46	9759.62

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



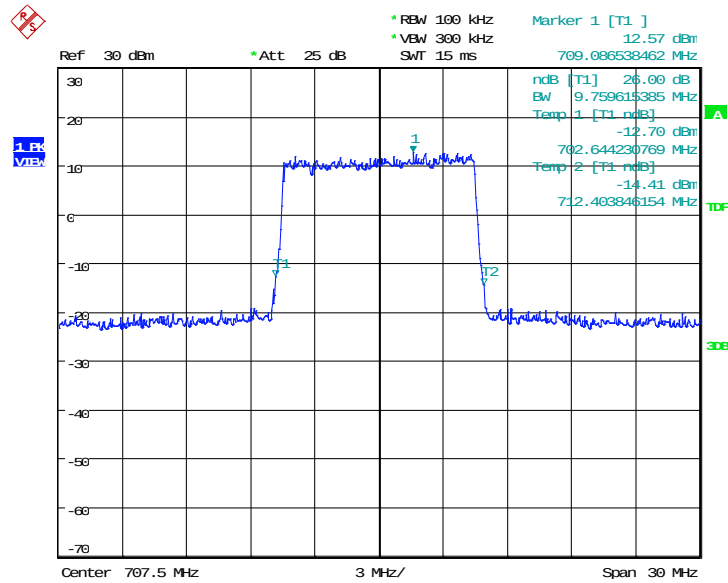
Date: 13. JAN. 2020 17:26:12

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



Date: 13. JAN. 2020 17:26:28

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

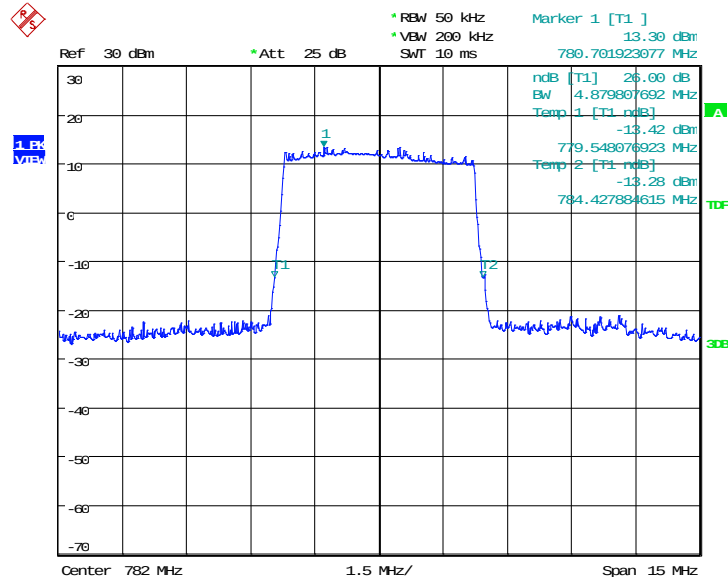


Date: 15.JAN.2020 09:40:41

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

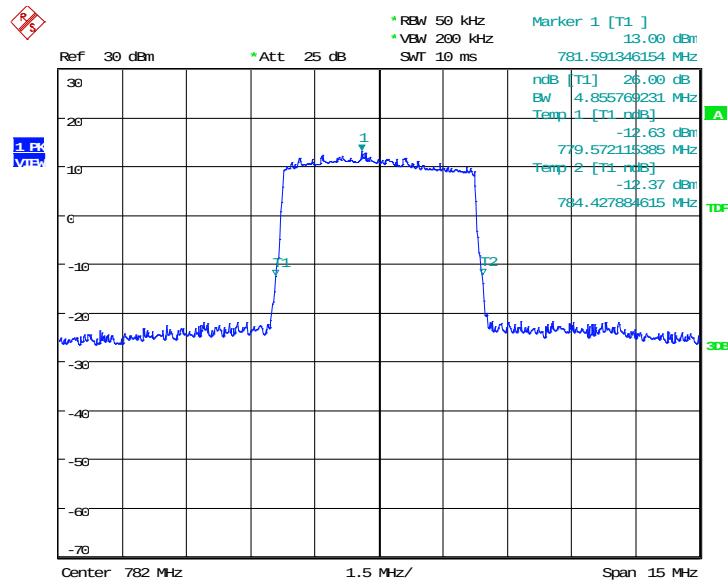
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	4879.81	4855.77	4855.77

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



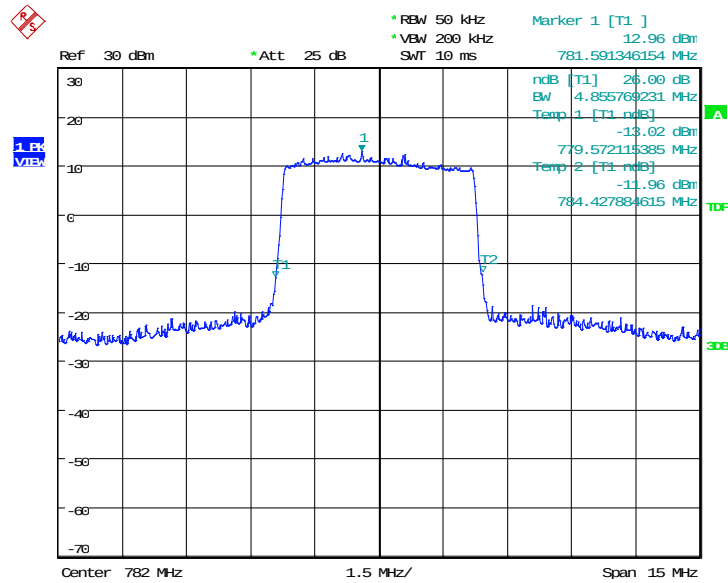
Date: 13. JAN. 2020 15:30:19

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



Date: 13. JAN. 2020 15:30:34

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

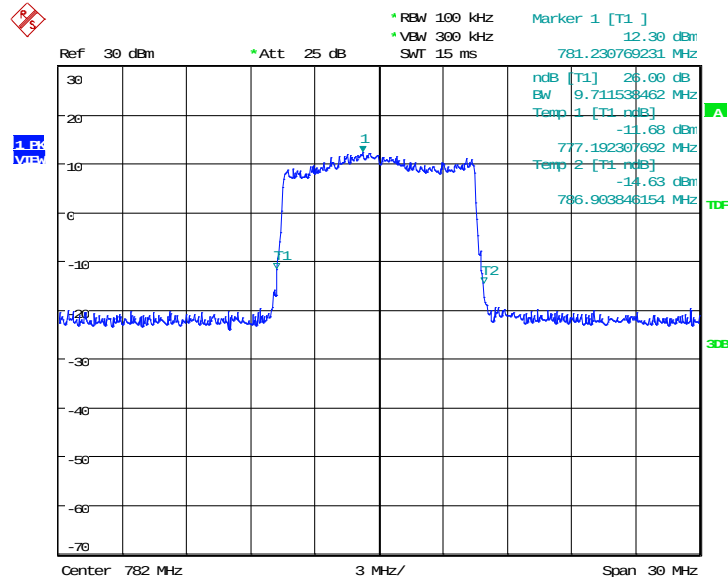


Date: 15.JAN.2020 08:26:26

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

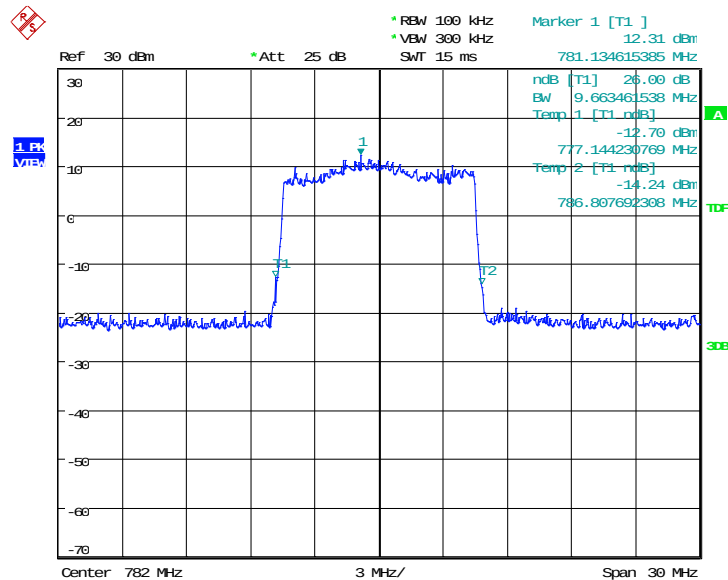
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
782.0	QPSK	16QAM	64QAM
	9711.54	9663.46	9567.31

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



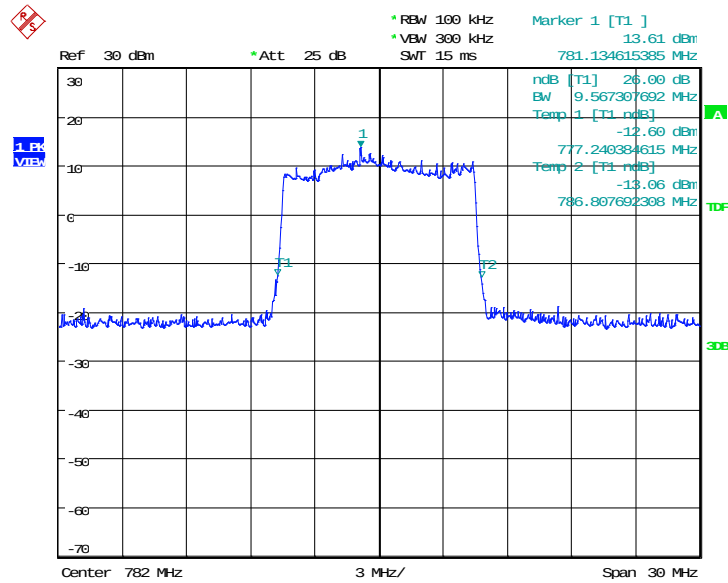
Date: 13. JAN. 2020 15:36:16

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



Date: 13. JAN. 2020 15:36:32

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

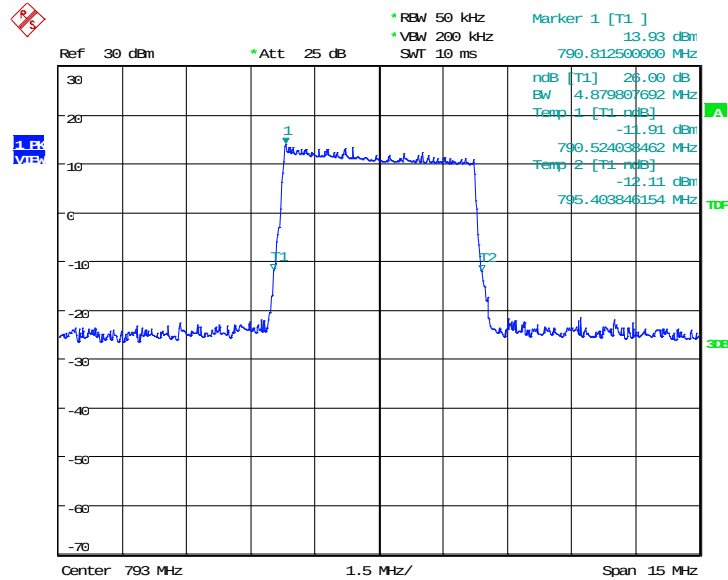


Date: 15.JAN.2020 08:29:53

LTE band 14, 5MHz (-26dBc BW)

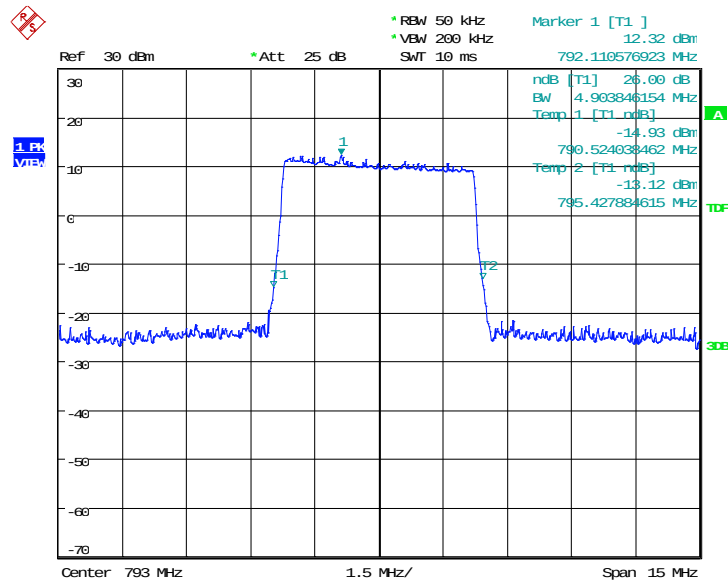
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
793.0	QPSK	16QAM	64QAM
	4879.81	4903.85	4927.88

LTE band 14, 5MHz Bandwidth, QPSK (-26dBc BW)



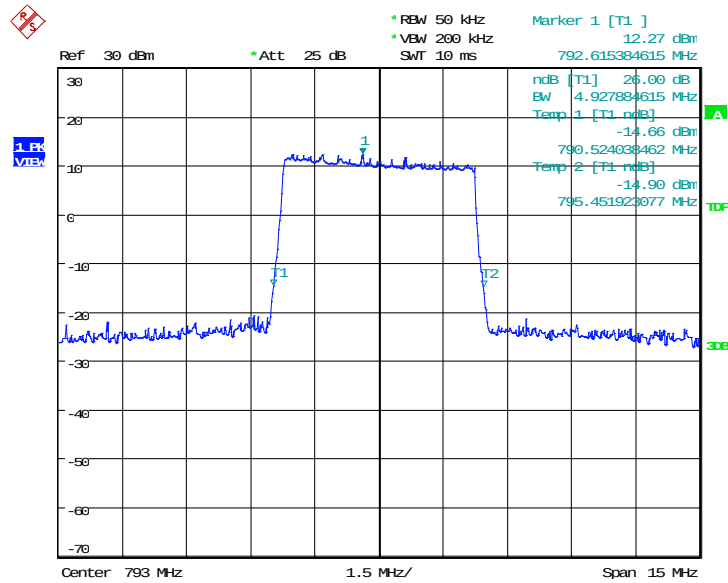
Date: 13.JAN.2020 17:31:43

LTE band 14, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.JAN.2020 17:31:59

LTE band 14, 5MHz Bandwidth,64QAM (-26dBc BW)

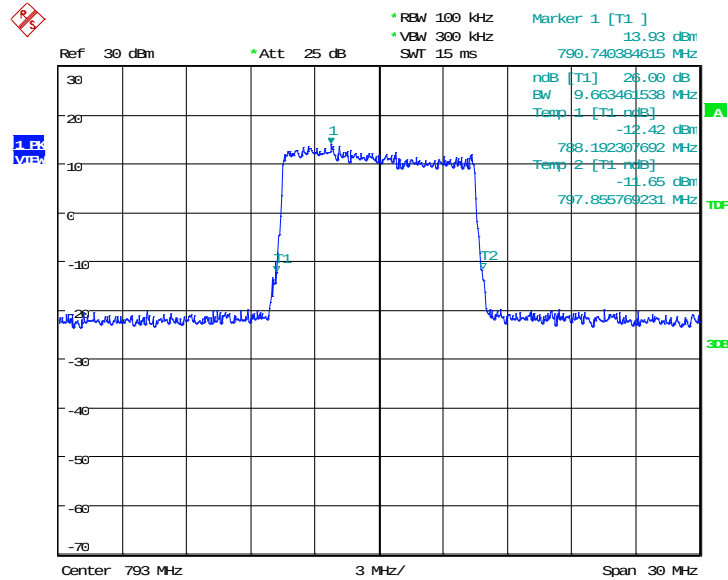


Date: 15.JAN.2020 09:44:12

LTE band 14, 10MHz (-26dBc BW)

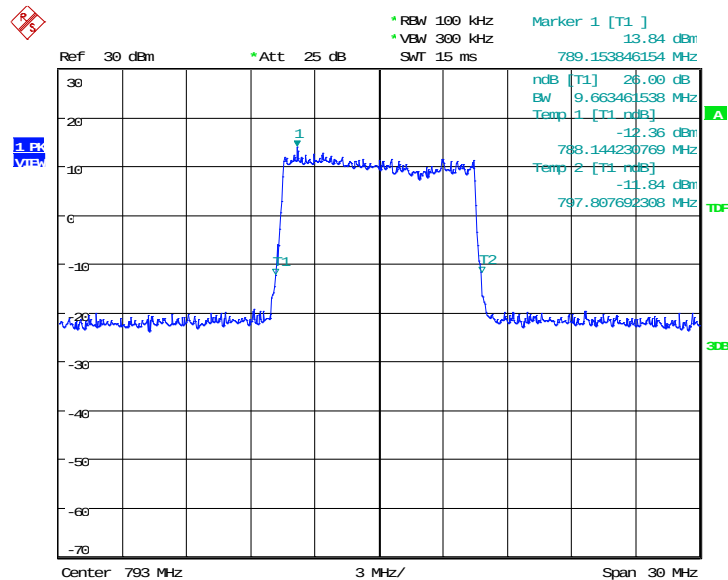
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
793.0	QPSK	16QAM	64QAM
	9663.46	9663.46	9615.38

LTE band 14, 10MHz Bandwidth, QPSK (-26dBc BW)



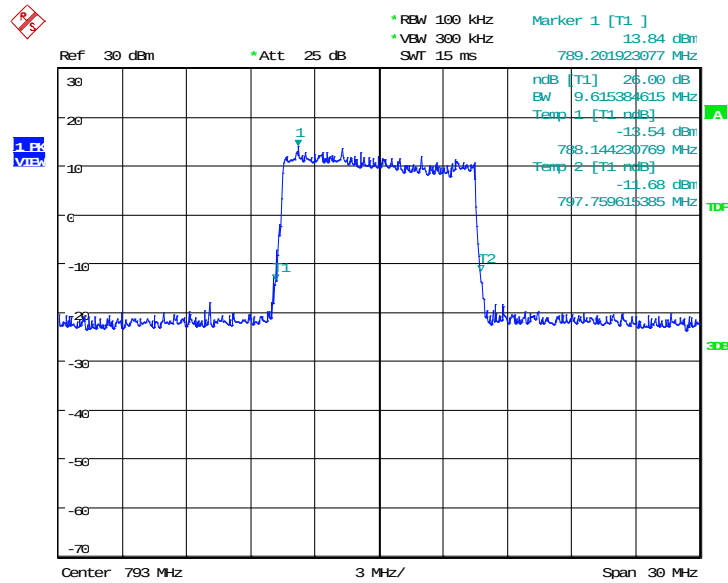
Date: 13. JAN. 2020 17:37:10

LTE band 14, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13. JAN. 2020 17:37:26

LTE band 14, 10MHz Bandwidth, 64QAM (-26dBc BW)

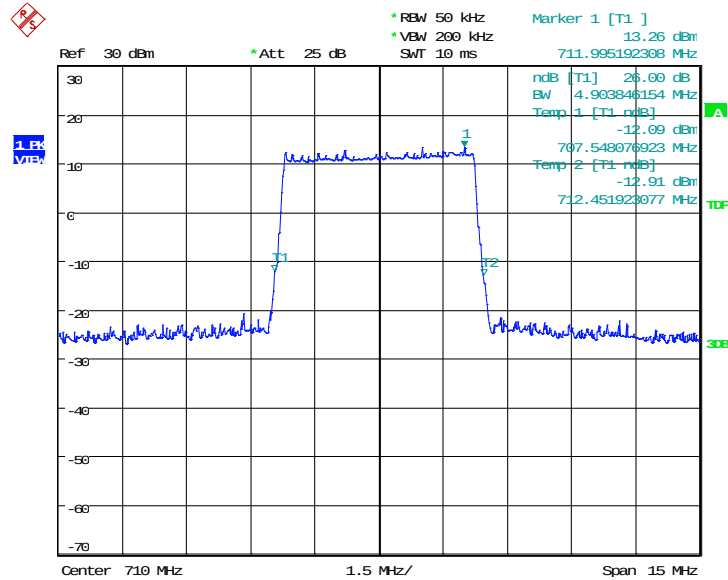


Date: 15.JAN.2020 09:47:39

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

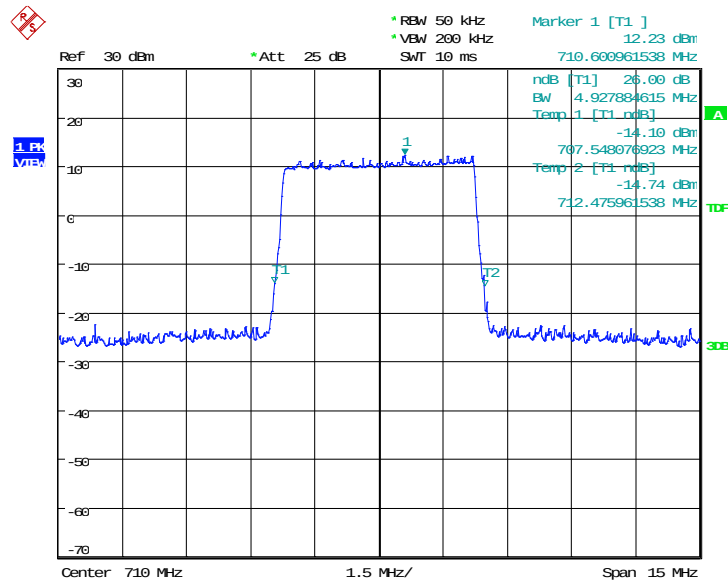
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
710.0	QPSK	16QAM	64QAM
	4903.85	4927.88	4903.85

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



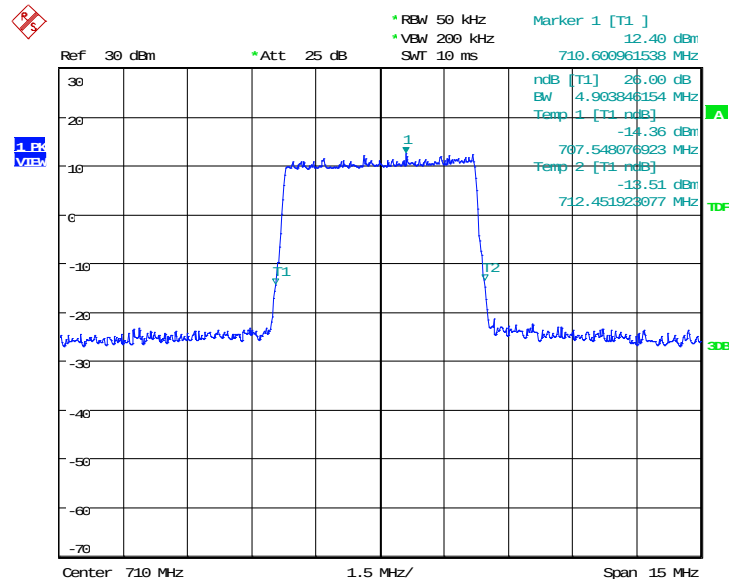
Date: 13. JAN. 2020 17:42:40

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



Date: 13. JAN. 2020 17:42:56

LTE band 17, 5MHz Bandwidth,64QAM (-26dBc BW)

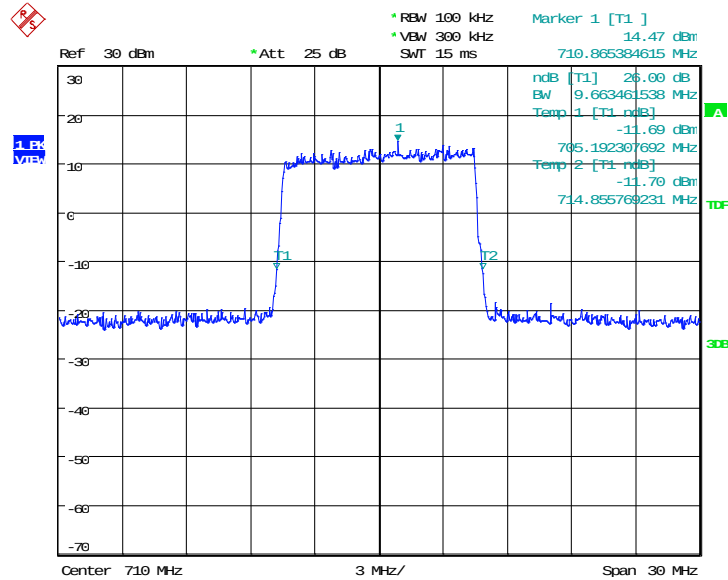


Date: 15.JAN.2020 09:51:08

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

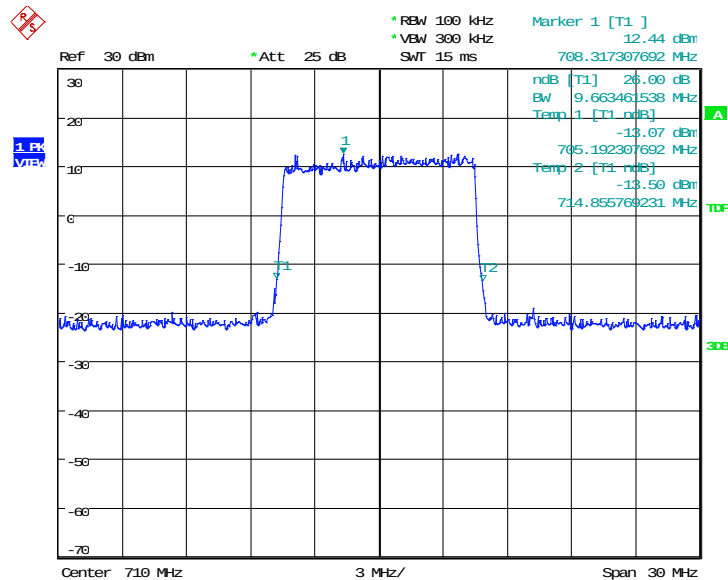
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
710.0	QPSK	16QAM	64QAM
	9663.46	9663.46	9615.38

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



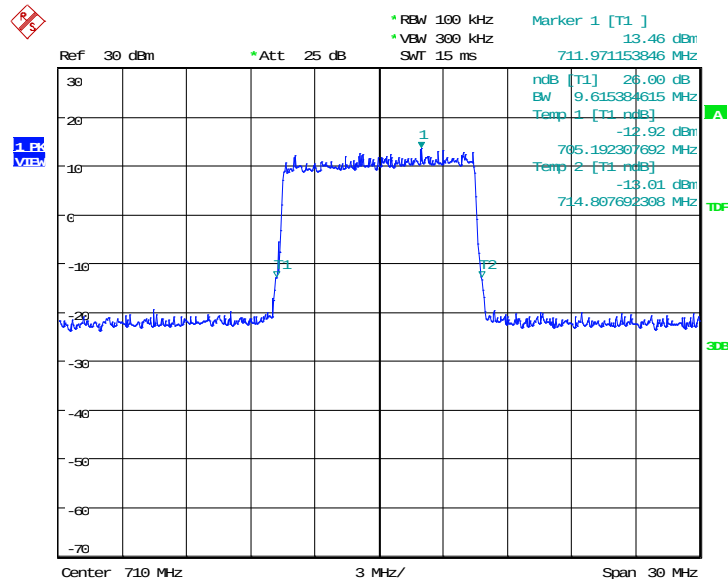
Date: 13. JAN. 2020 17:48:08

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



Date: 13. JAN. 2020 17:48:24

LTE band 17, 10MHz Bandwidth, 64QAM (-26dBc BW)

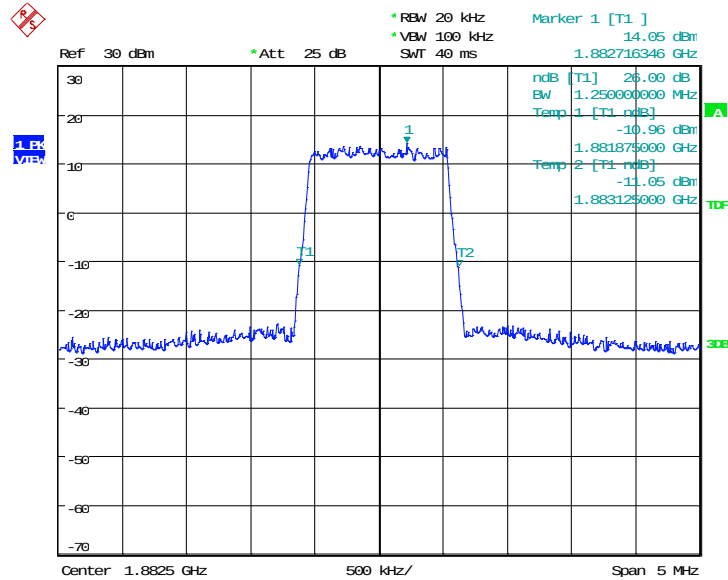


Date: 15.JAN.2020 09:54:36

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

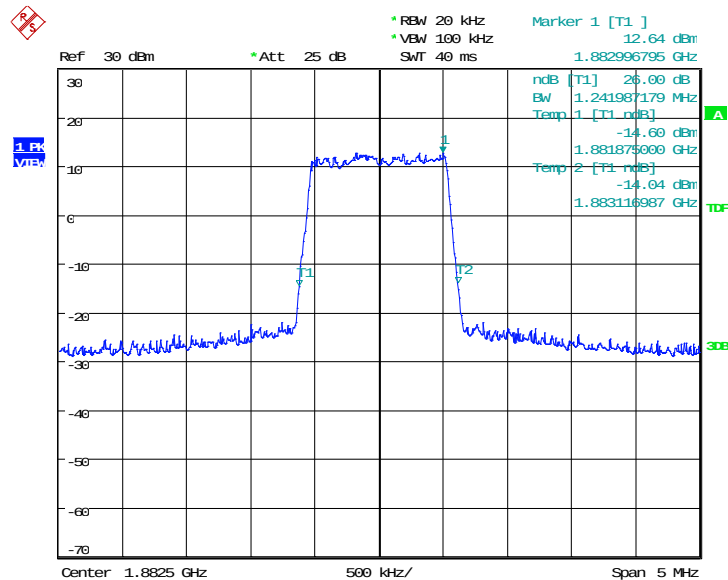
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	1250.00	1241.99	1241.99

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



Date: 13. JAN. 2020 17:53:40

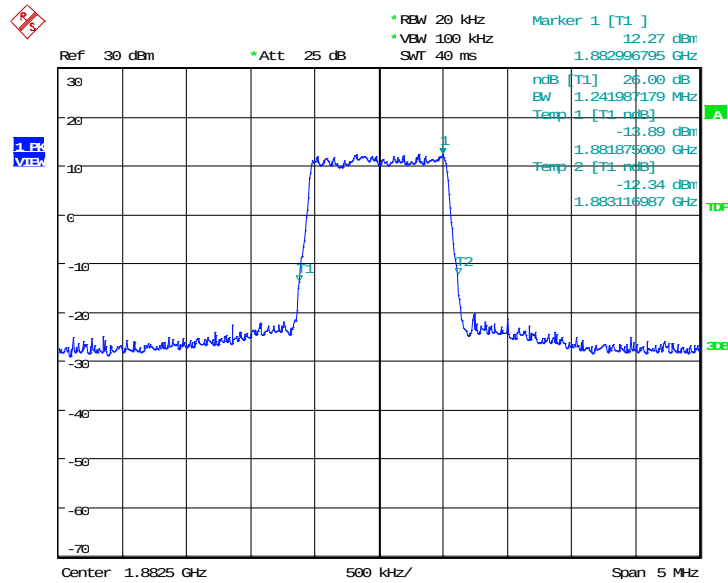
LTE band 25, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13. JAN. 2020 17:53:55



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

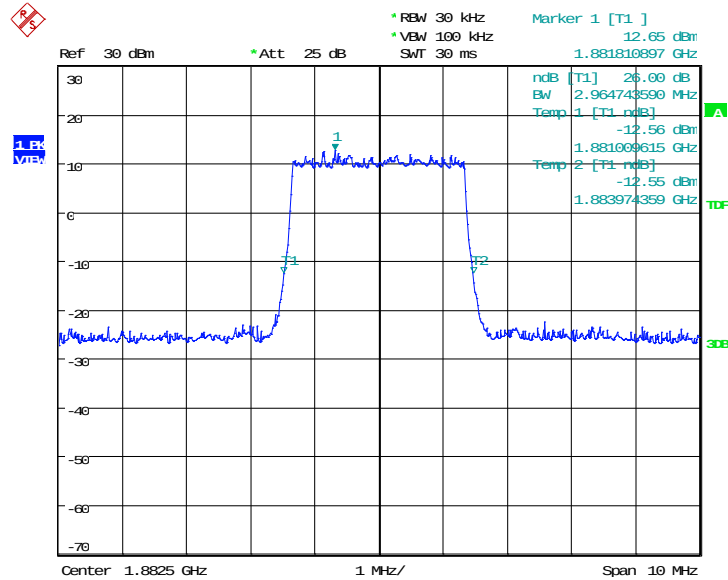


Date: 18.JAN.2020 15:45:23

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

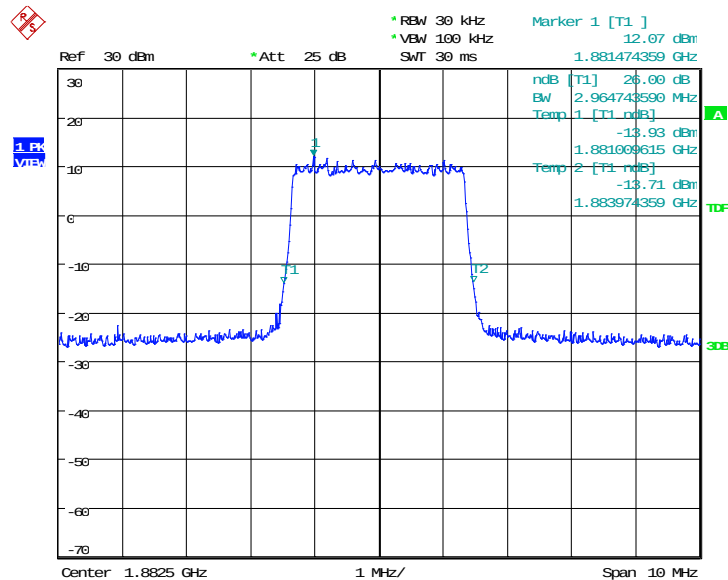
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	2964.74	2964.74	2980.77

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



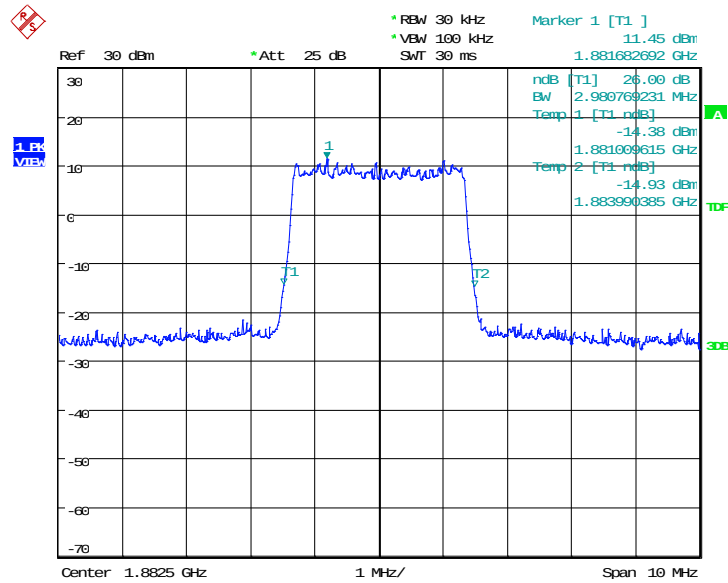
Date: 13. JAN. 2020 17:59:37

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



Date: 13. JAN. 2020 17:59:52

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

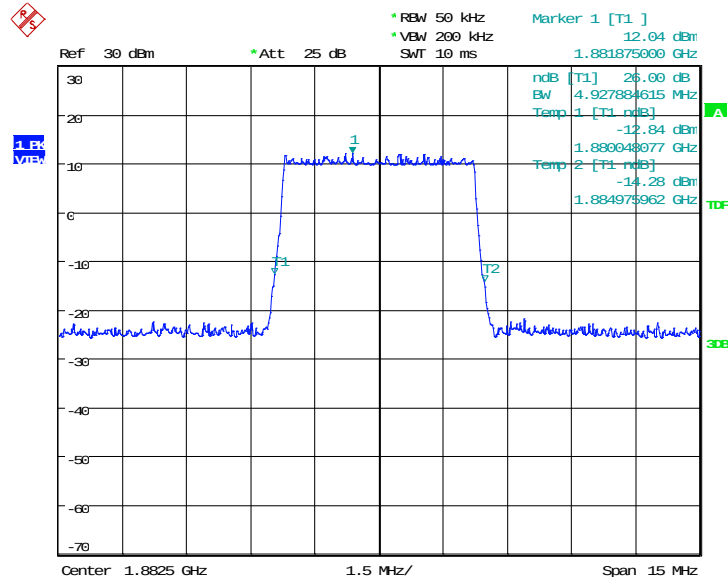


Date: 18.JAN.2020 15:49:46

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

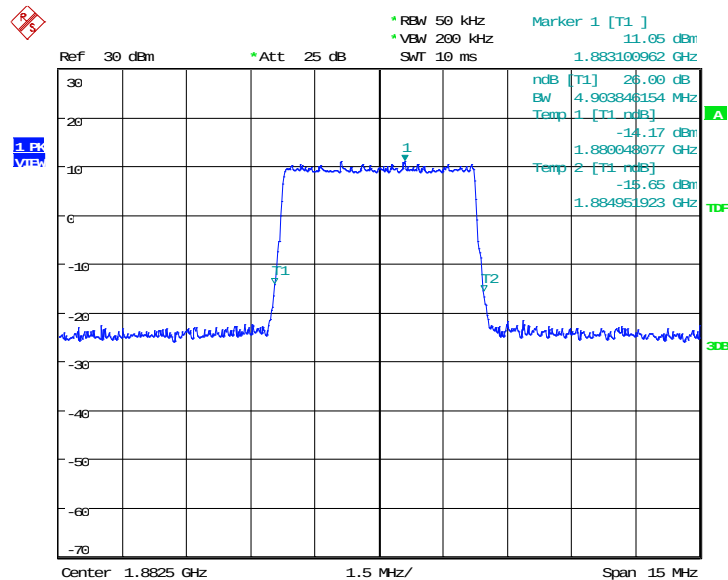
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	4927.88	4903.85	4927.88

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



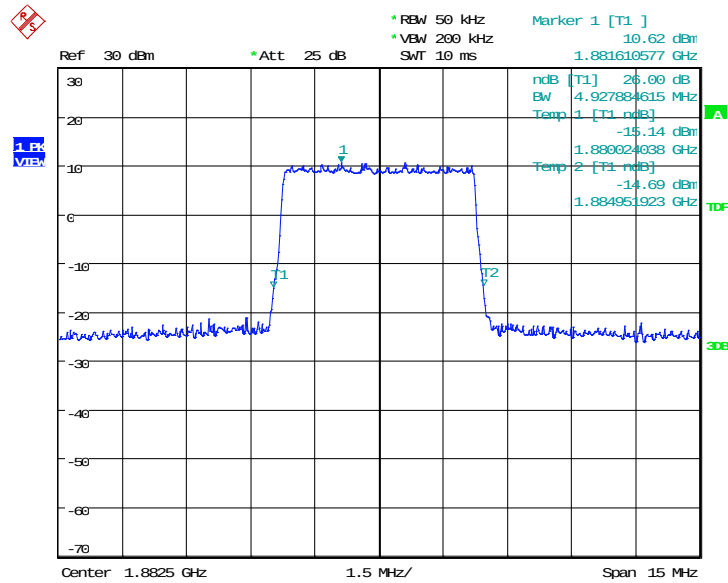
Date: 13.JAN.2020 18:05:04

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



Date: 13.JAN.2020 18:05:20

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

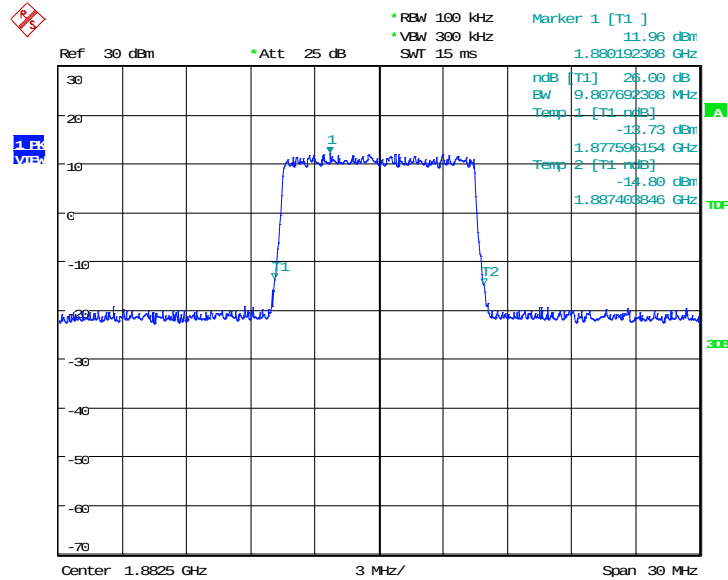


Date: 18.JAN.2020 15:54:10

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

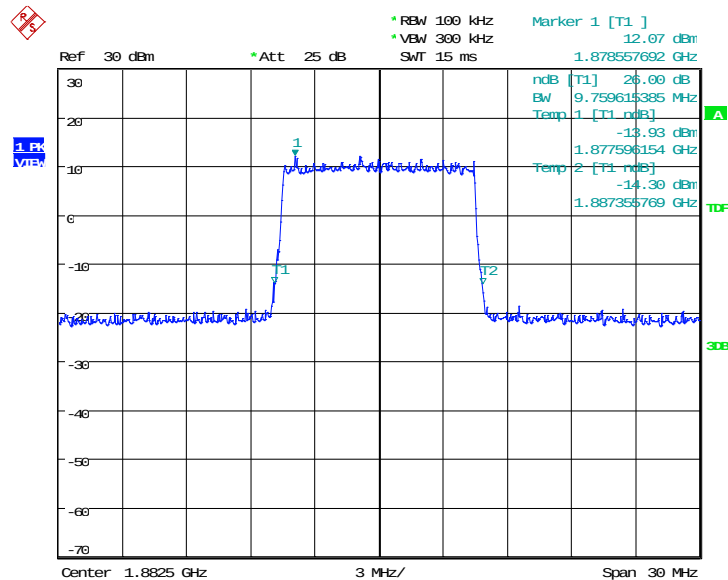
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	9807.69	9759.62	9759.62

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



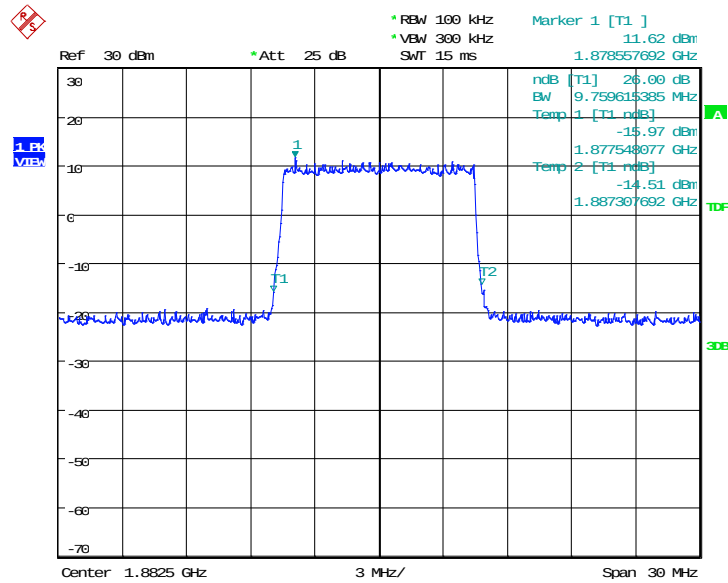
Date: 13. JAN. 2020 18:11:01

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



Date: 13. JAN. 2020 18:11:17

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

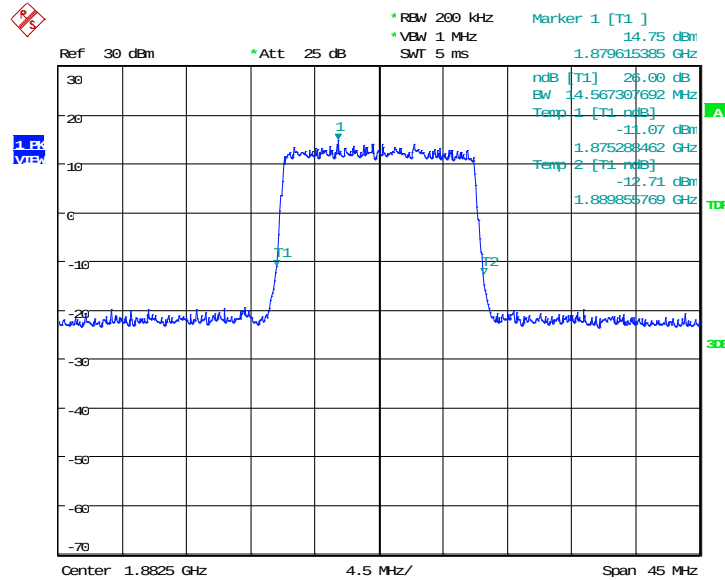


Date: 18.JAN.2020 15:59:02

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

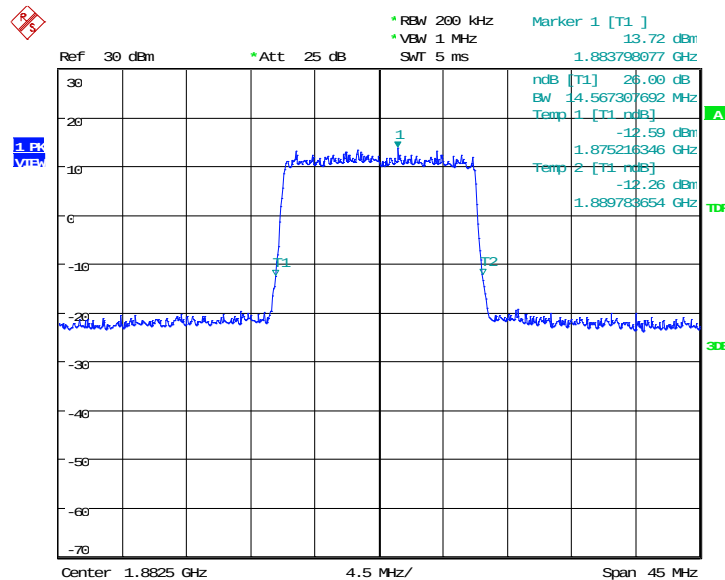
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	14567.31	14567.31	14639.42

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



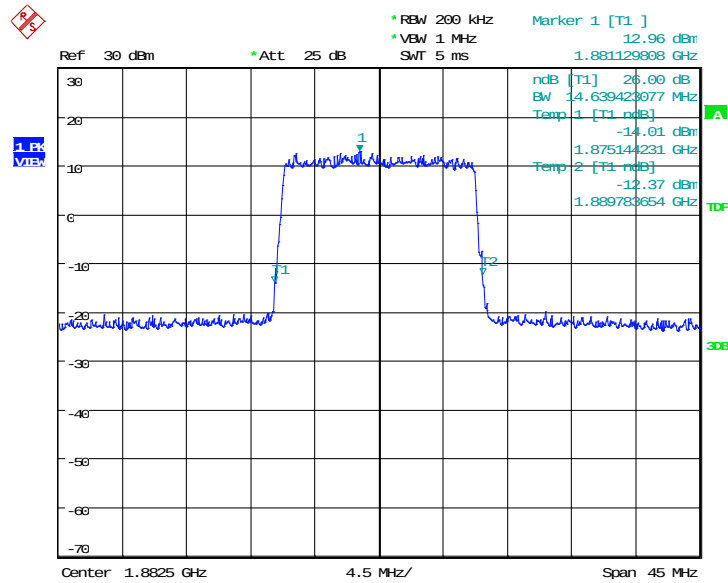
Date: 13. JAN. 2020 18:16:28

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



Date: 13. JAN. 2020 18:16:44

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

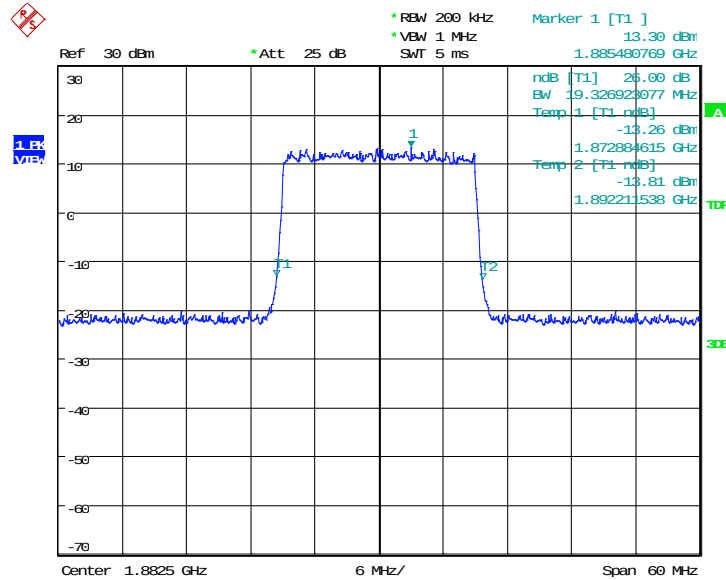


Date: 18.JAN.2020 17:35:16

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

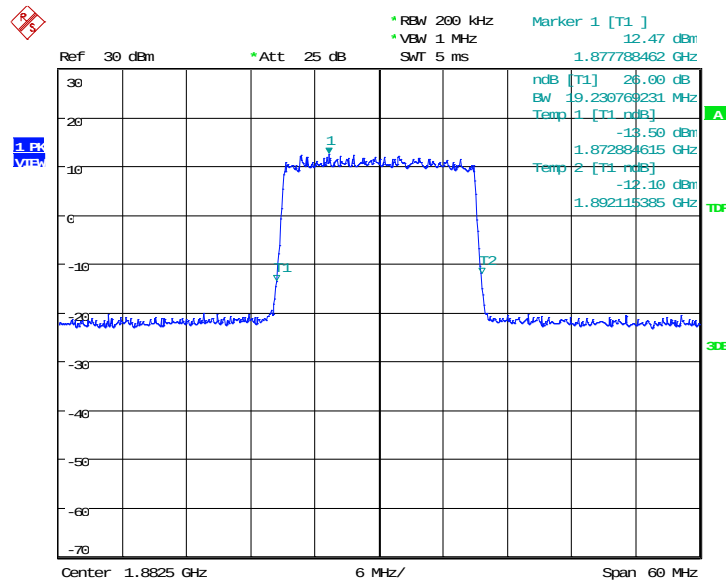
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1882.5	QPSK	16QAM	64QAM
	19326.92	19230.77	19423.08

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



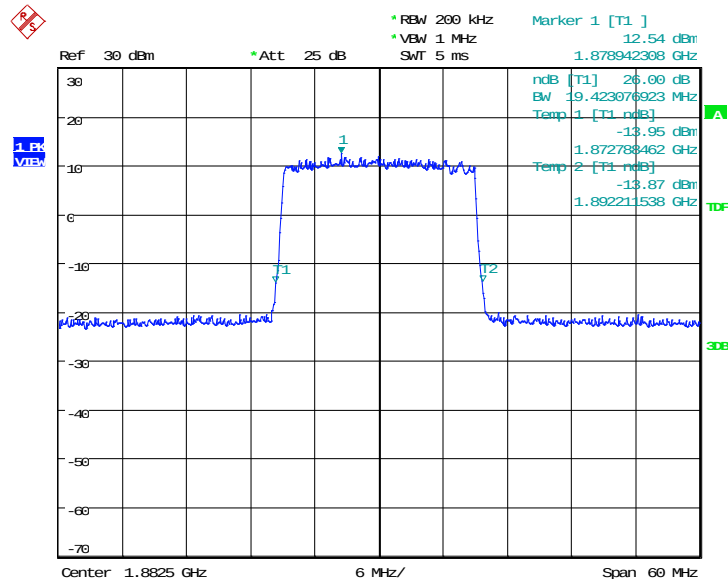
Date: 13. JAN. 2020 18:36:24

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



Date: 13. JAN. 2020 18:36:40

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

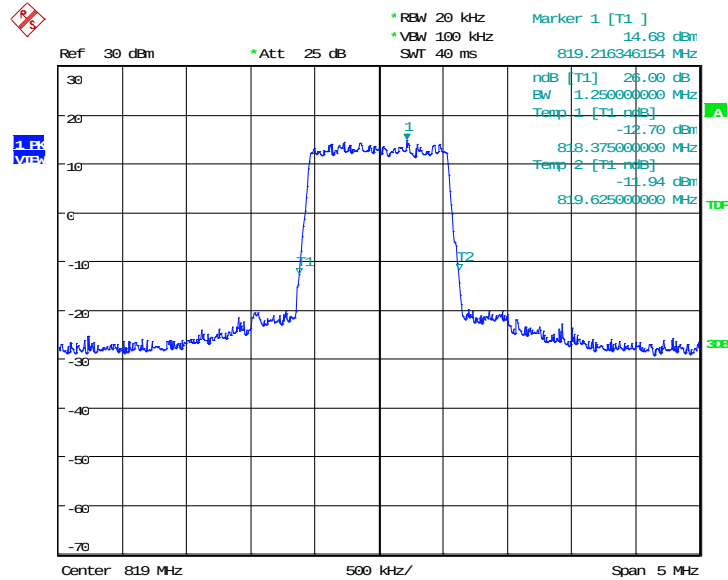


Date: 18.JAN.2020 18:05:20

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

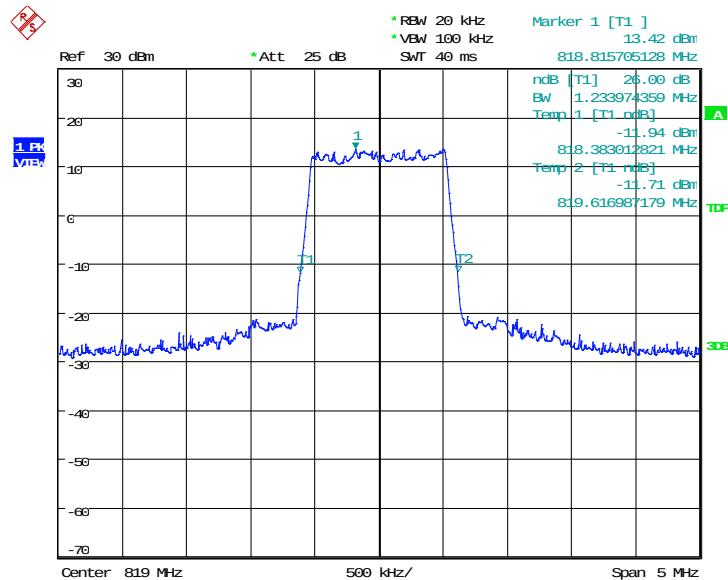
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1250.00	1233.97	1233.97

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



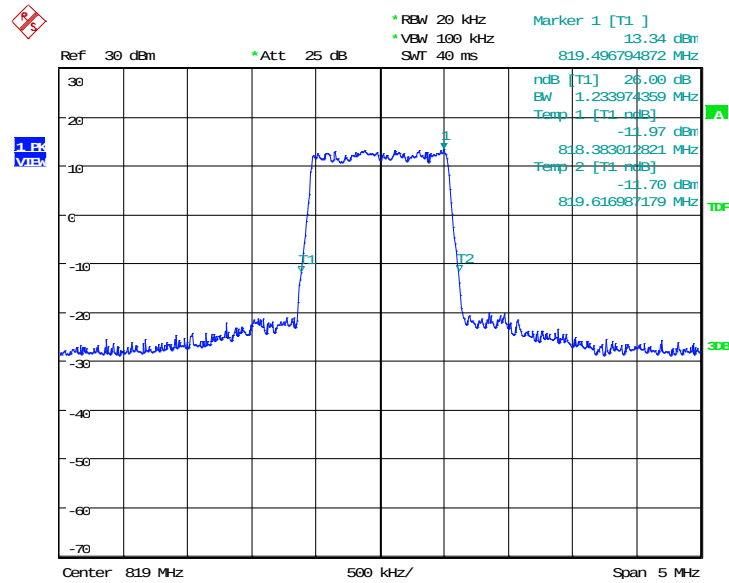
Date: 13. JAN. 2020 19:08:13

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



Date: 13. JAN. 2020 19:08:29

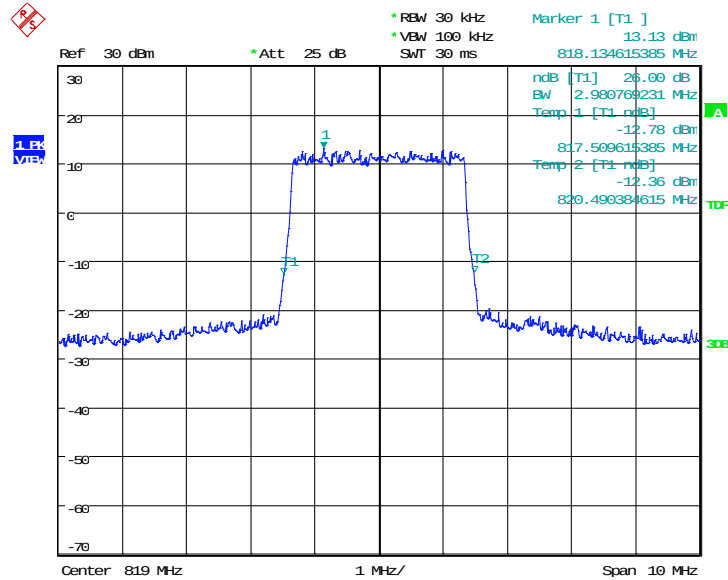
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 64QAM (-26dBc BW)



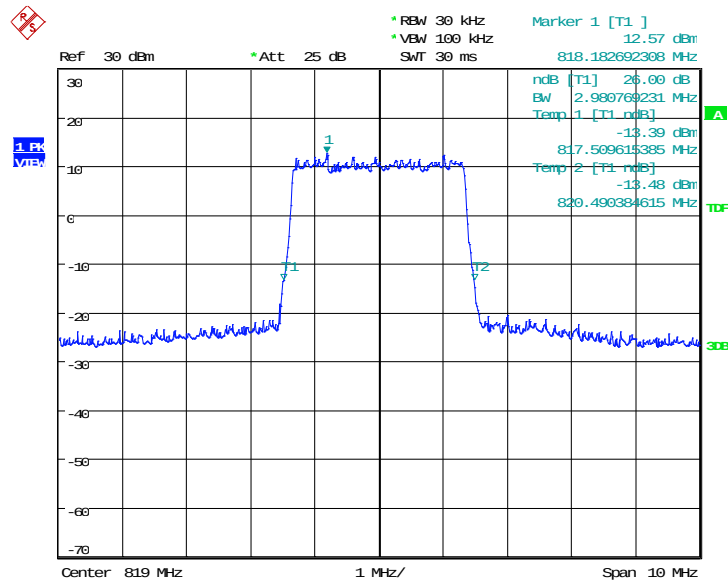
Date: 18.JAN.2020 18:44:27

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2980.77	2980.77	2980.77

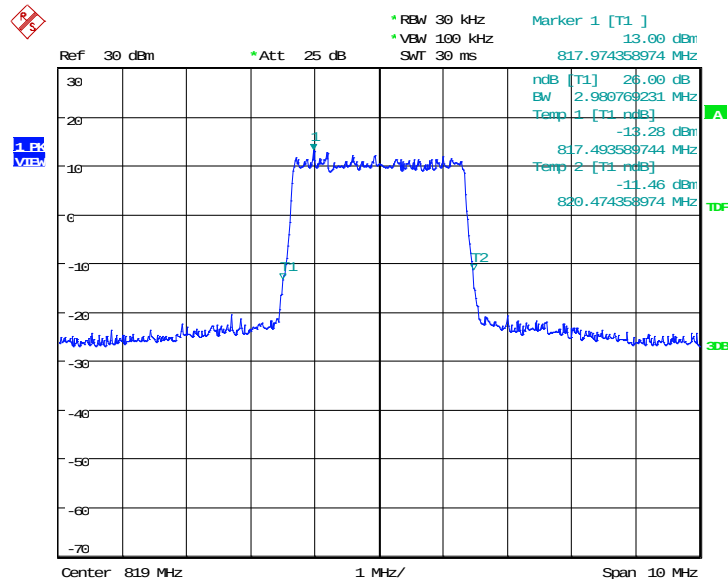
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 19:13:41

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


Date: 13. JAN. 2020 19:13:56

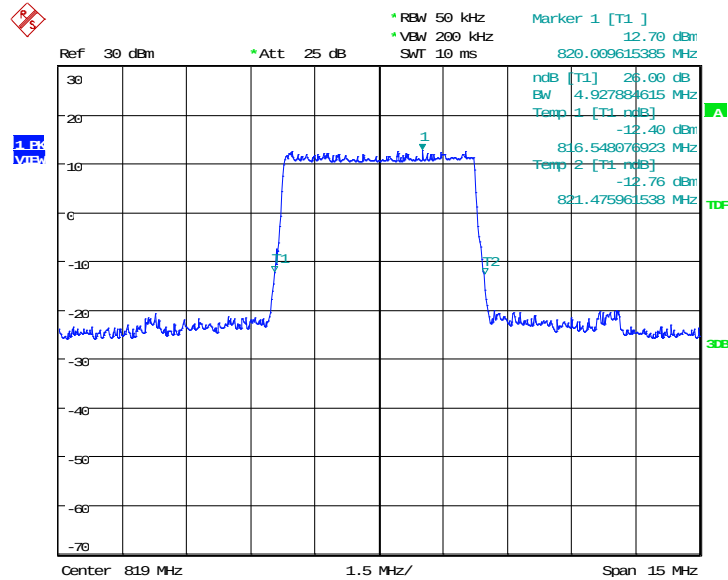
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 64QAM (-26dBc BW)



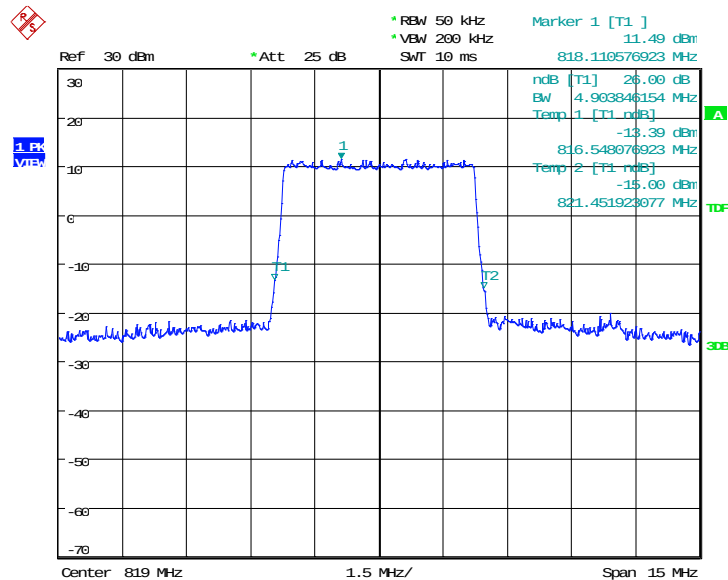
Date: 18.JAN.2020 18:48:52

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4927.88	4903.85	4855.77

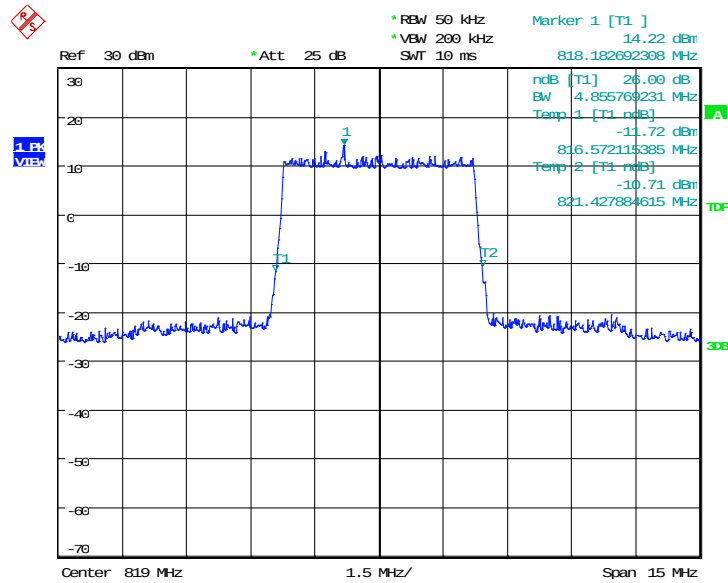
LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 19:19:08

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


Date: 13. JAN. 2020 19:19:23

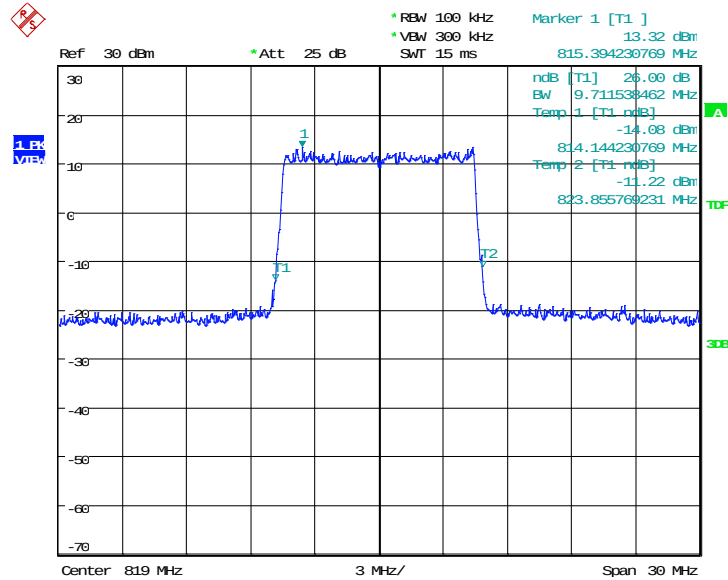
LTE band 26(814MHz-824MHz), 5MHz Bandwidth,64QAM (-26dBc BW)



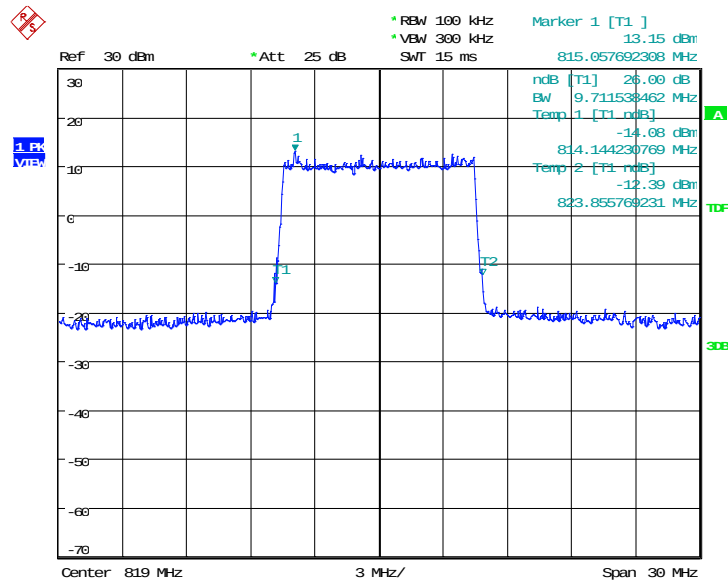
Date: 18.JAN.2020 18:53:46

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9711.54	9711.54	9711.54

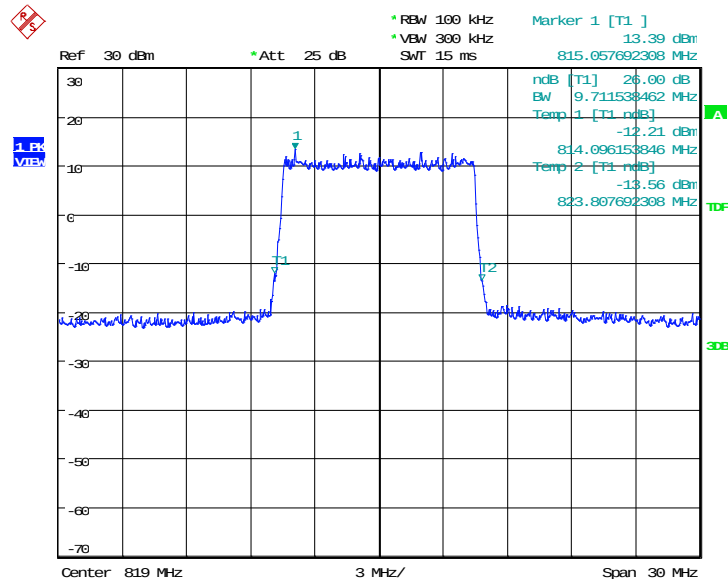
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 19:24:35

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


Date: 13. JAN. 2020 19:24:51

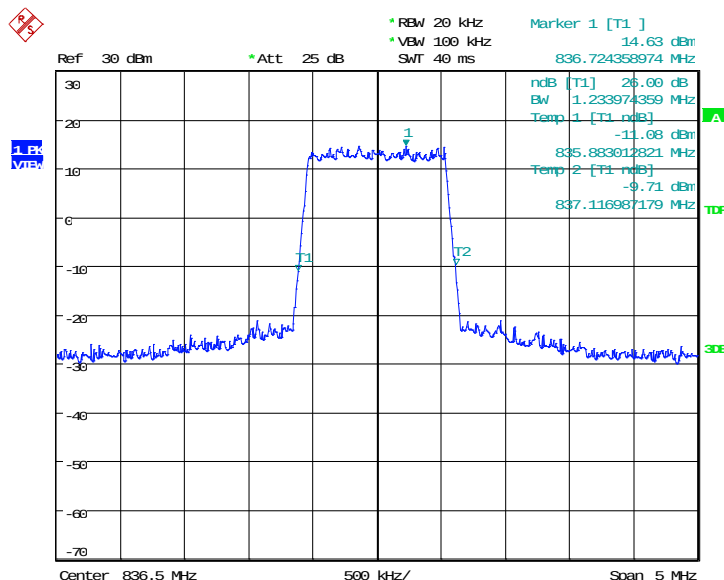
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 64QAM (-26dBc BW)



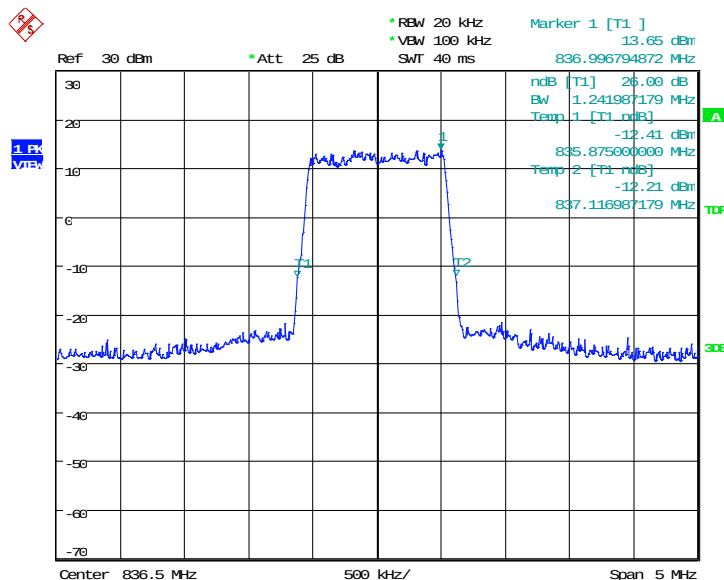
Date: 18.JAN.2020 18:58:08

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1233.97	1241.99	1233.97

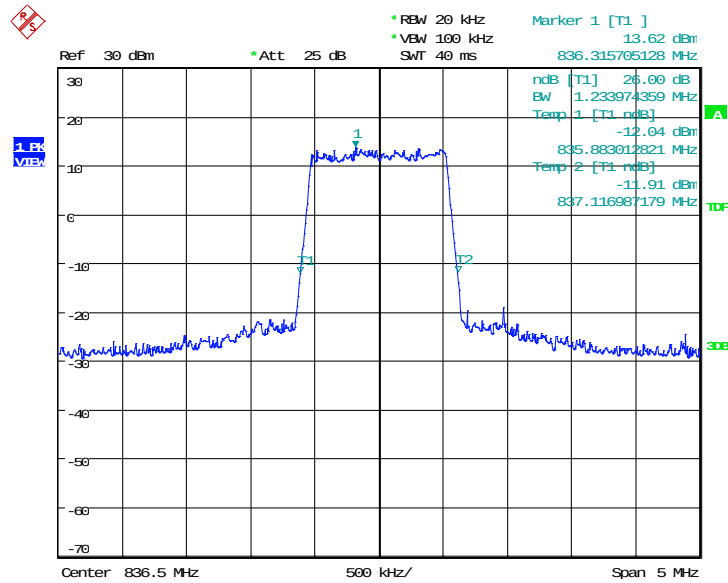
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 18:40:22

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


Date: 13. JAN. 2020 18:40:38

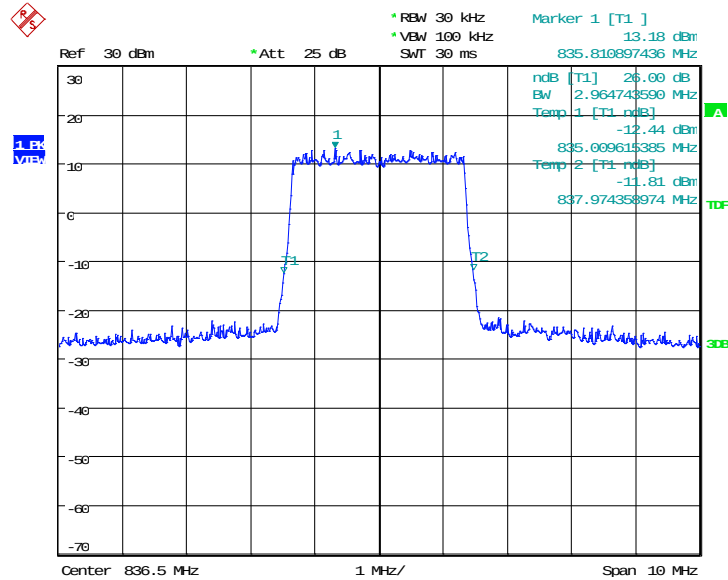
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (-26dBc BW)



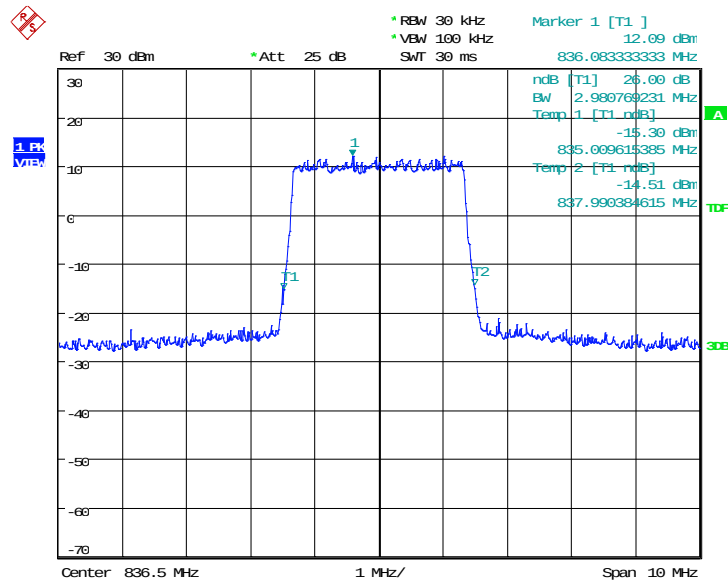
Date: 18.JAN.2020 18:21:55

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2964.74	2980.77	2948.72

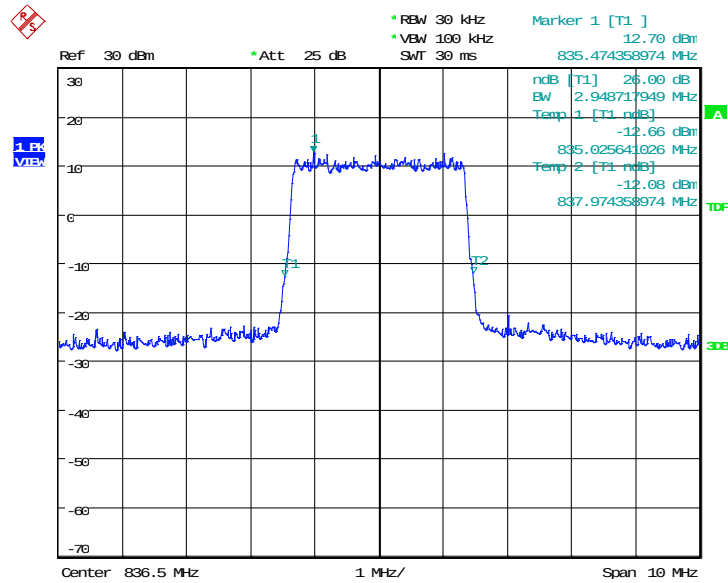
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (-26dBc BW)


Date: 13.JAN.2020 18:45:49

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


Date: 13.JAN.2020 18:46:05

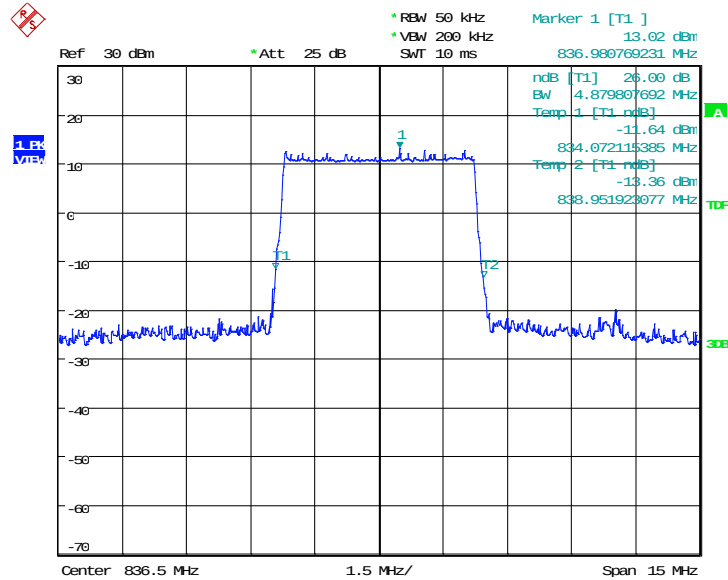
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (-26dBc BW)



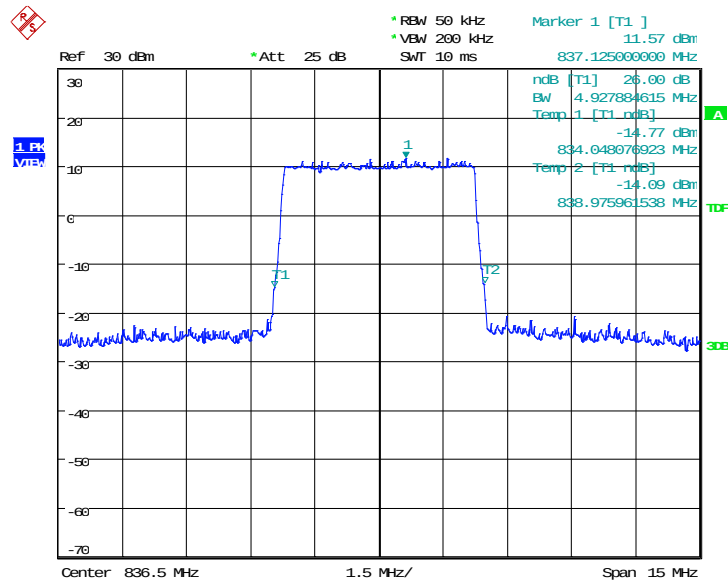
Date: 18.JAN.2020 18:26:19

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4879.81	4927.88	4903.85

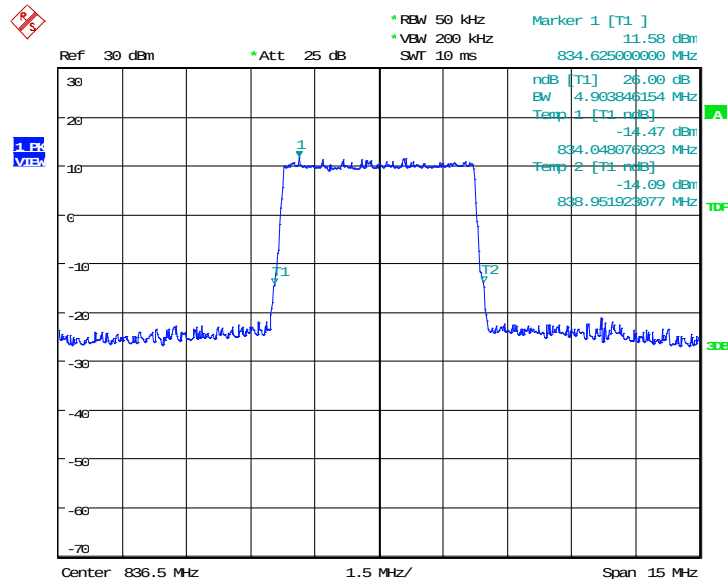
LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 18:51:16

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


Date: 13. JAN. 2020 18:51:32

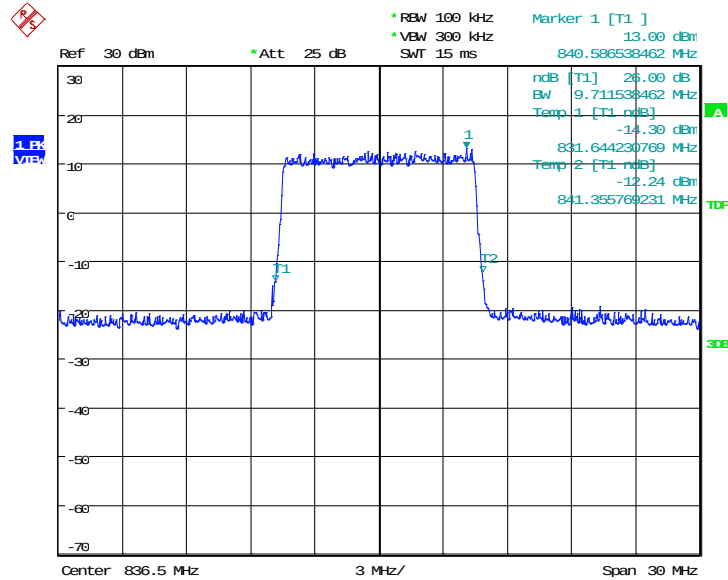
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,64QAM (-26dBc BW)



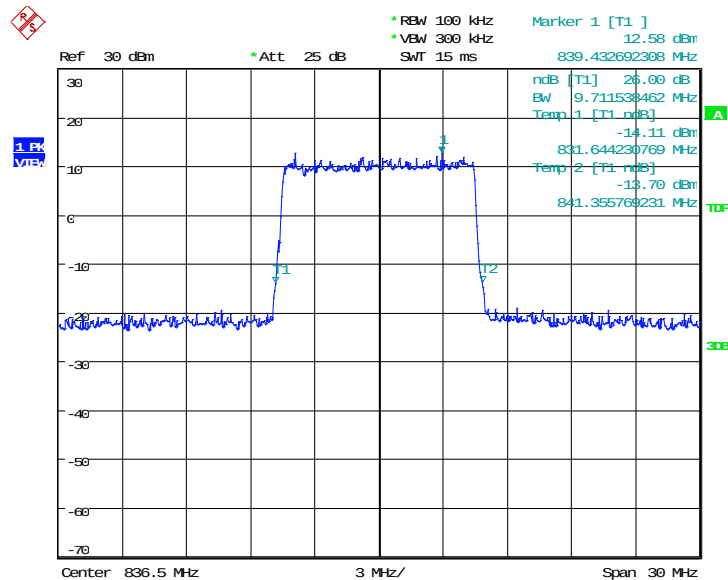
Date: 18.JAN.2020 18:30:41

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

Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9711.54	9711.54	9759.62

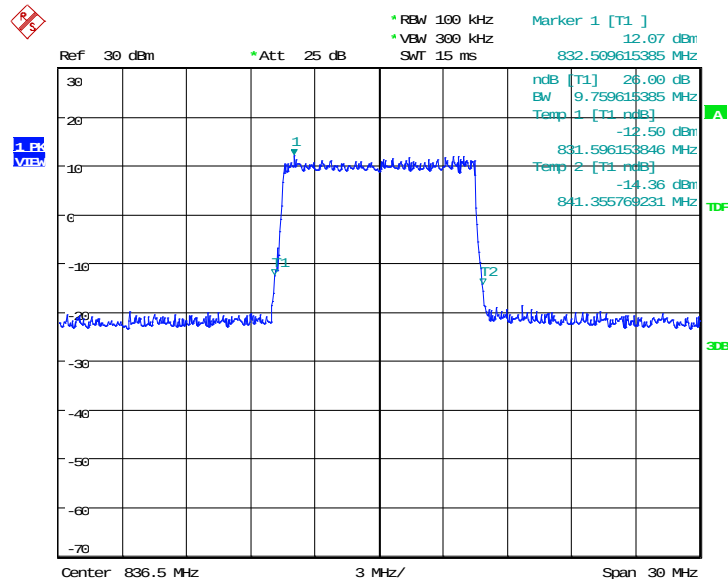
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)


Date: 13. JAN. 2020 18:56:43

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


Date: 13. JAN. 2020 18:56:59

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



Date: 18.JAN.2020 18:35:05