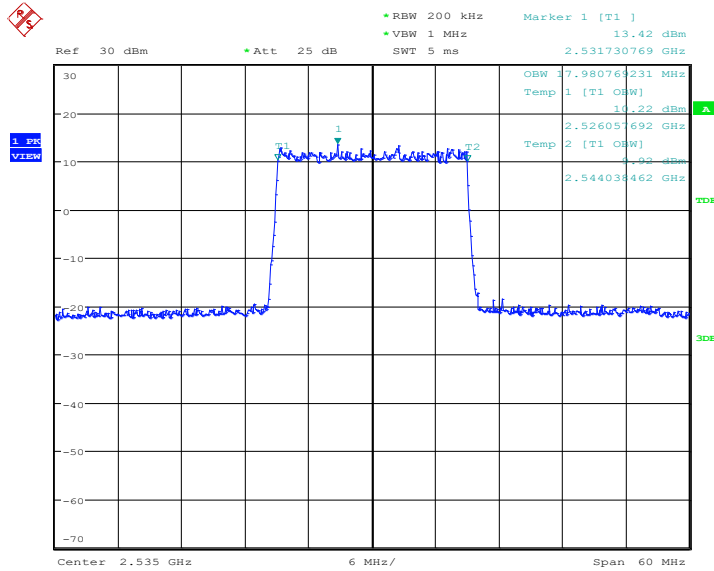


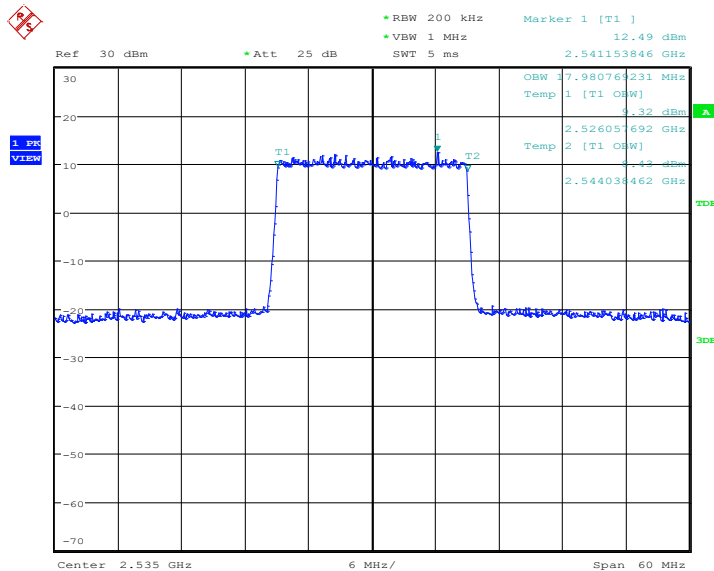
LTE band 7, 20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2535.0	17980.77	17980.77	17980.77

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

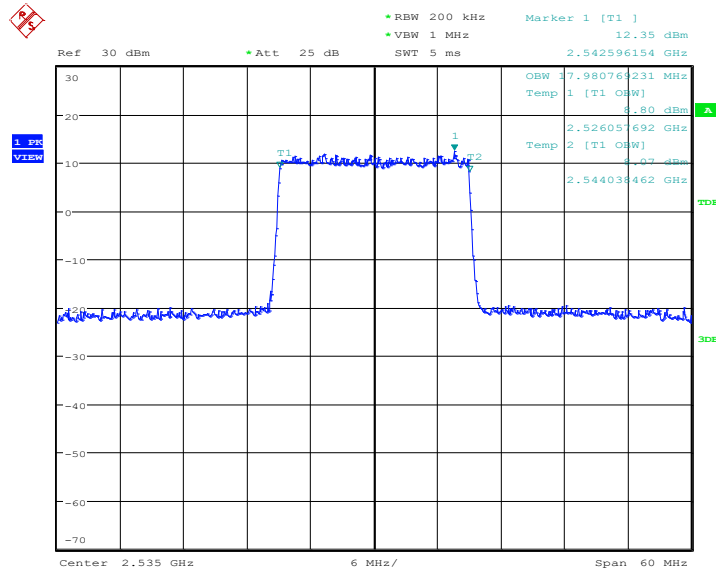


LTE band 7, 20MHz Bandwidth, 16QAM (99% BW)





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



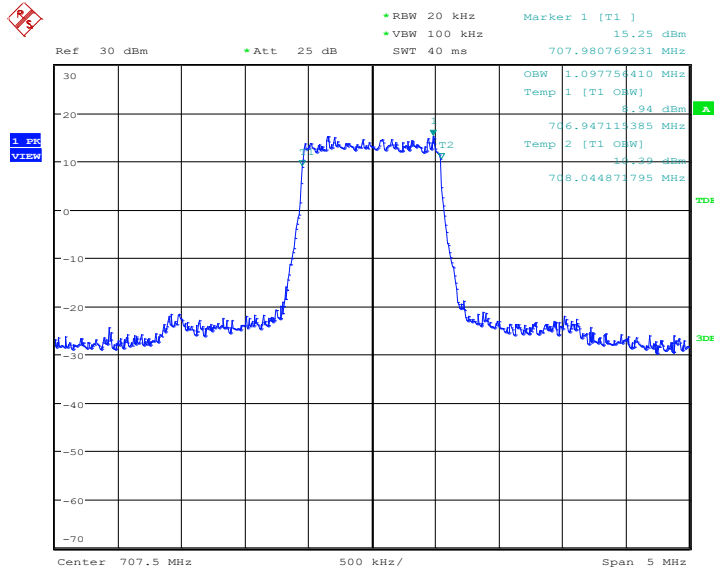
Date: 13.APR.2021 17:34:36

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

LTE band 12, 1.4MHz (99% BW)

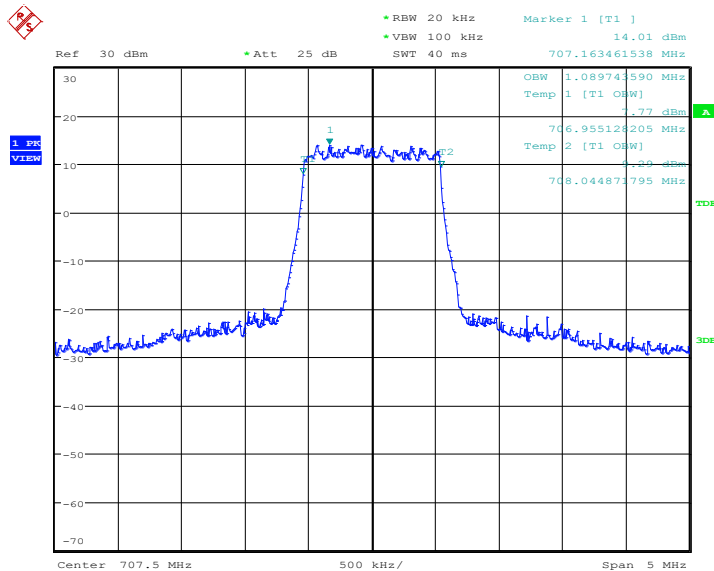
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	1097.76	1089.74	1097.76

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



Date: 13.APR.2021 16:32:05

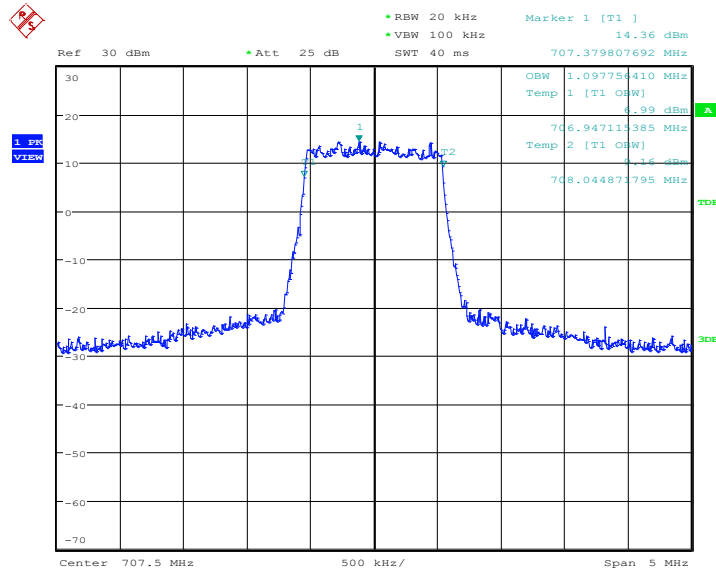
LTE band 12, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:32:19



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



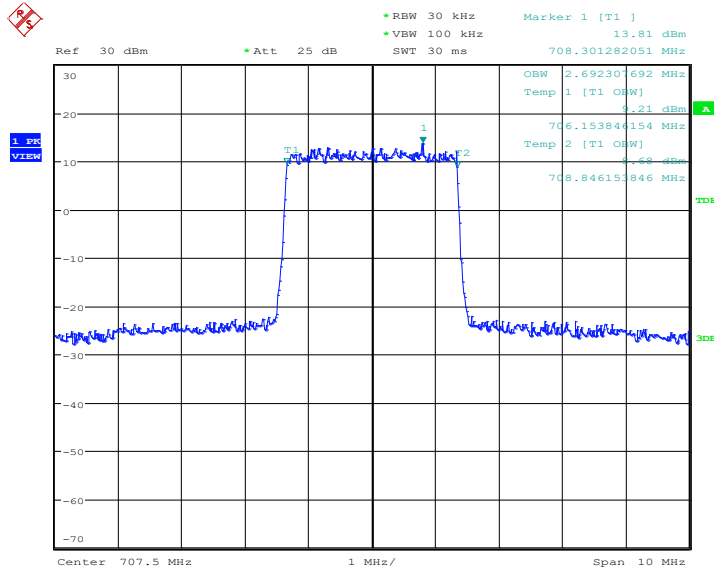
Date: 13.APR.2021 18:12:39



LTE band 12, 3MHz (99% BW)

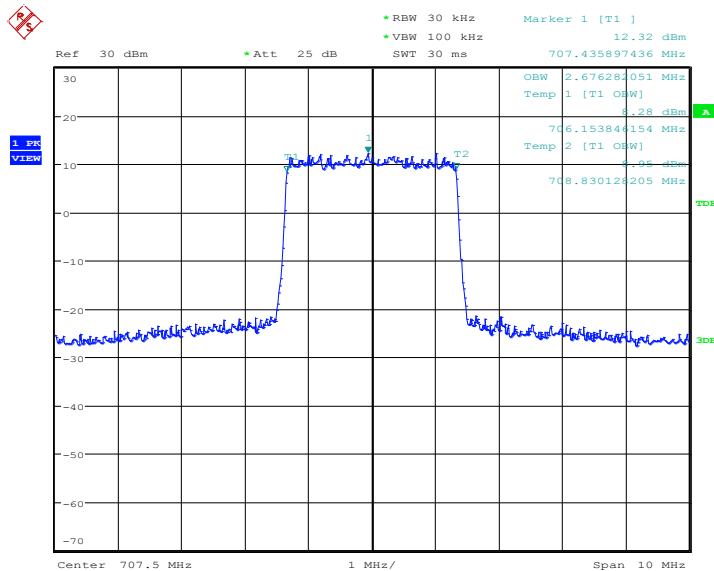
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	2692.31	2676.28	2692.31

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



Date: 13.APR.2021 16:34:23

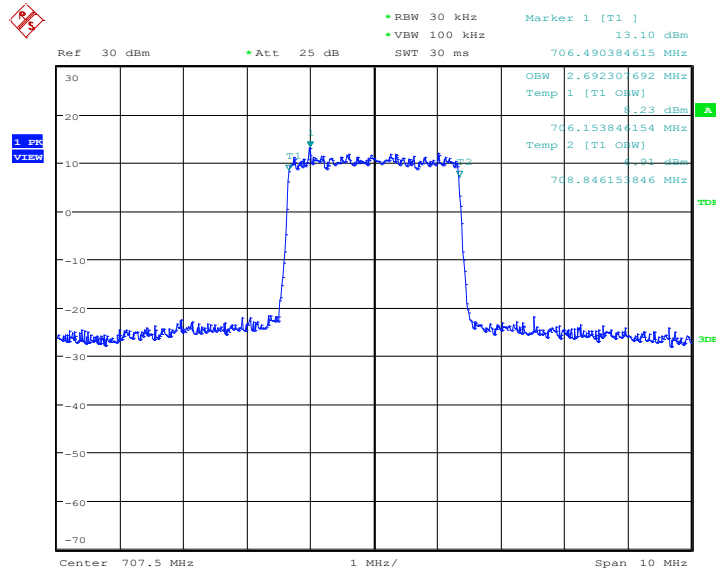
LTE band 12, 3MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:34:37



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



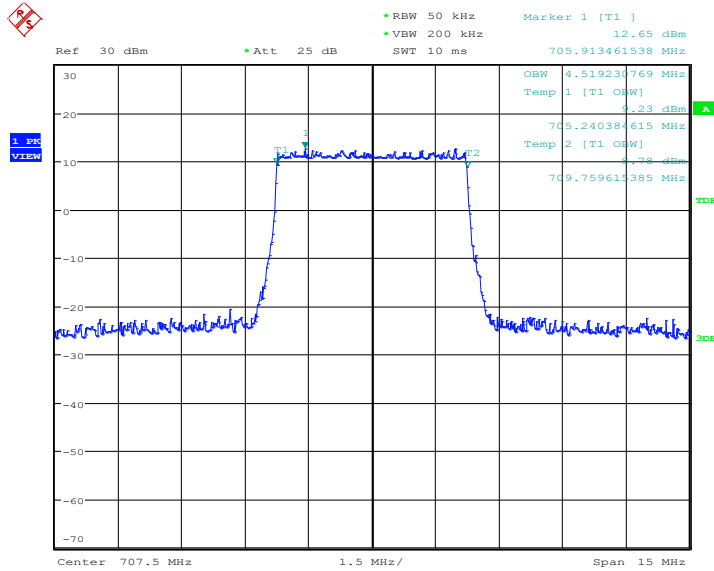
Date: 13.APR.2021 18:14:27



LTE band 12, 5MHz (99% BW)

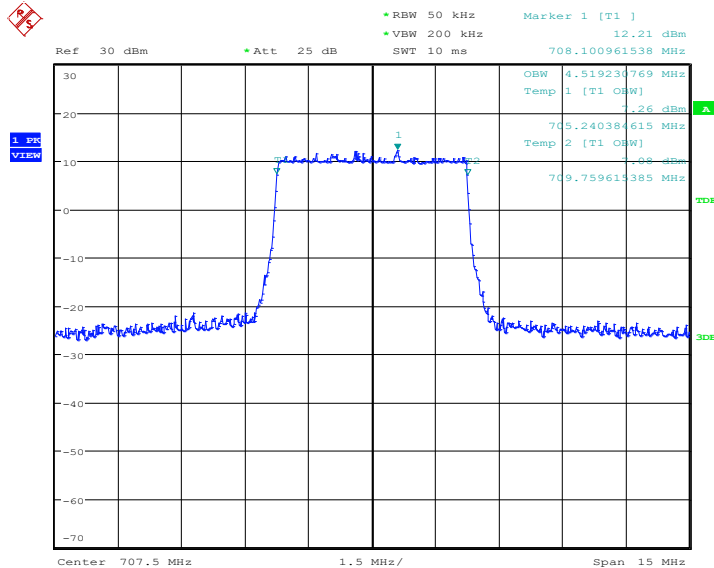
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	4519.23	4519.23	4495.19

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



Date: 13.APR.2021 16:36:41

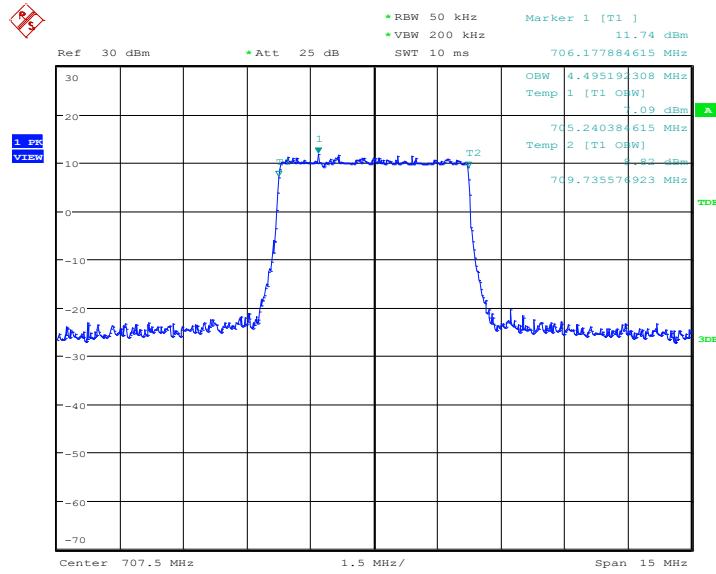
LTE band 12, 5MHz Bandwidth,16QAM (99% BW)



Date: 13.APR.2021 16:36:54



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

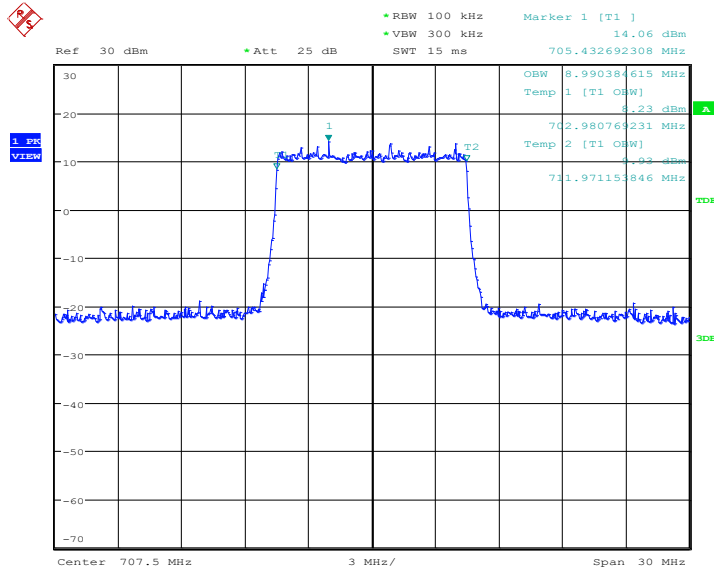


Date: 13.APR.2021 18:16:15

LTE band 12, 10MHz (99% BW)

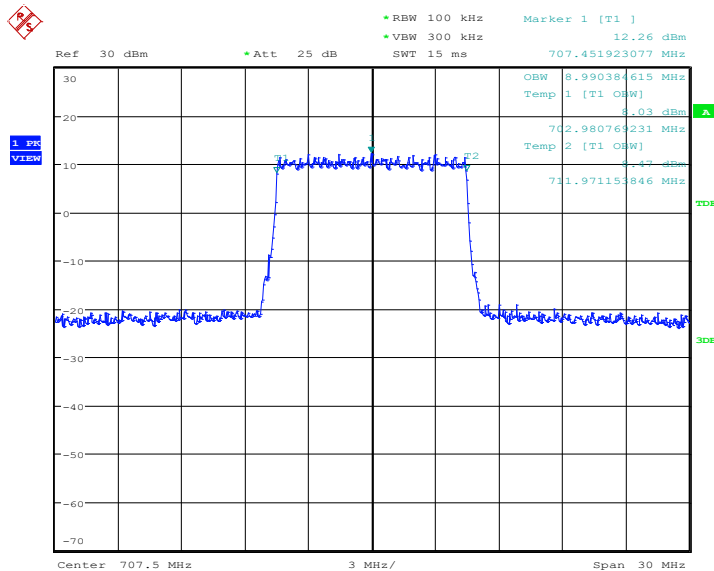
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	8990.38	8990.38	8990.38

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



Date: 13.APR.2021 16:38:59

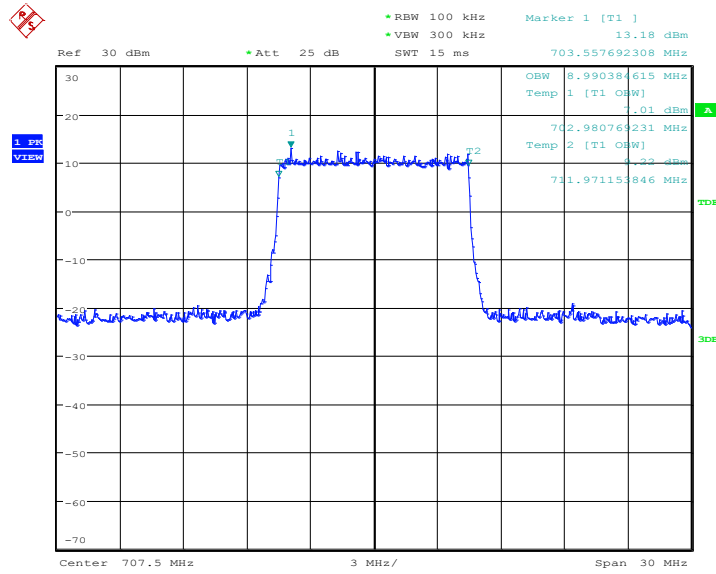
LTE band 12, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:39:12



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



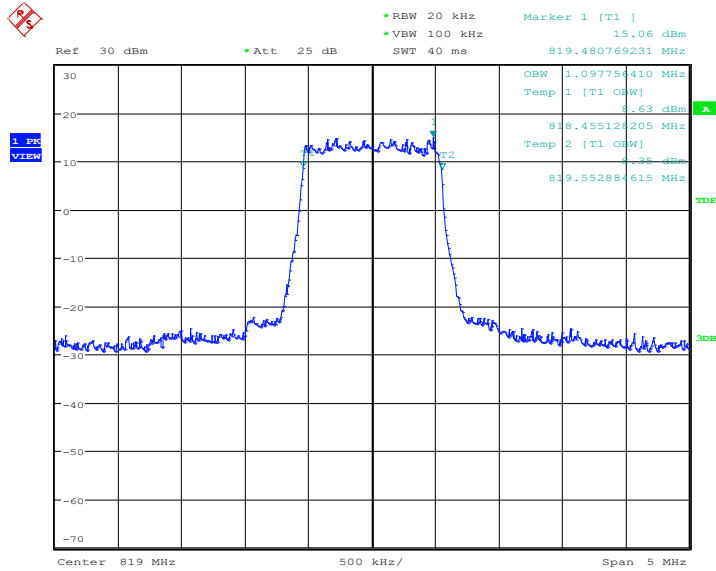
Date: 13.APR.2021 18:18:03



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

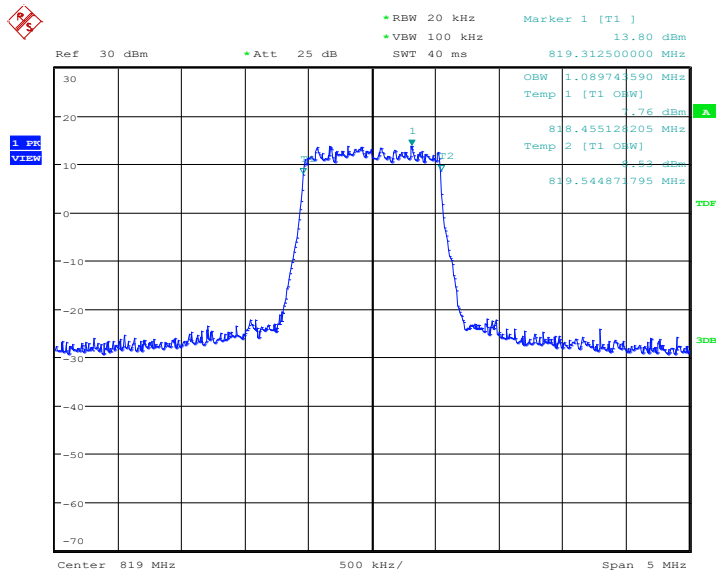
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
819.0	1097.76	1089.74	1089.74

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



Date: 13.APR.2021 17:04:23

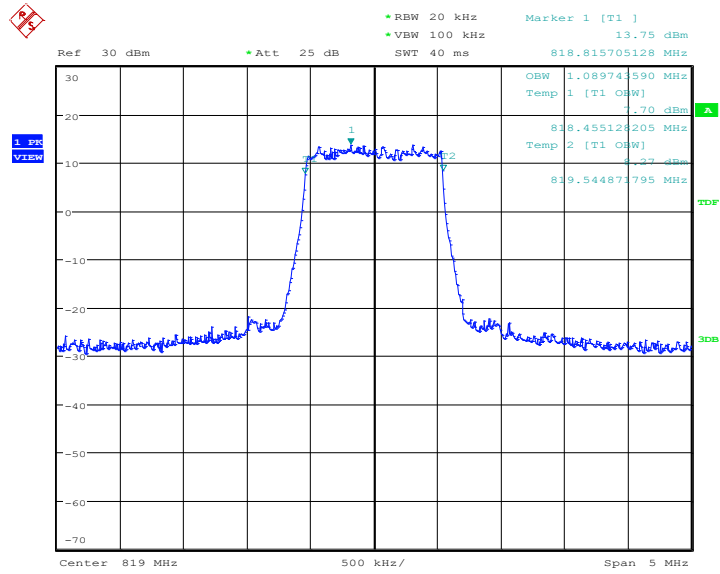
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:04:37



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

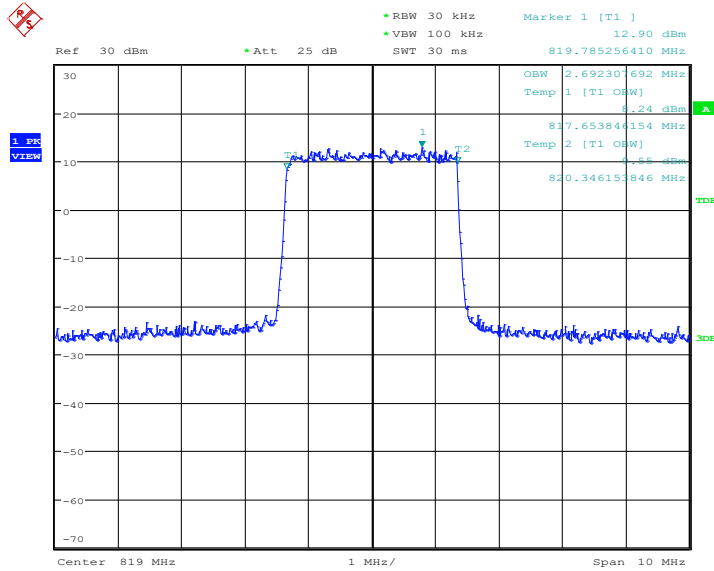


Date: 13.APR.2021 18:38:01

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

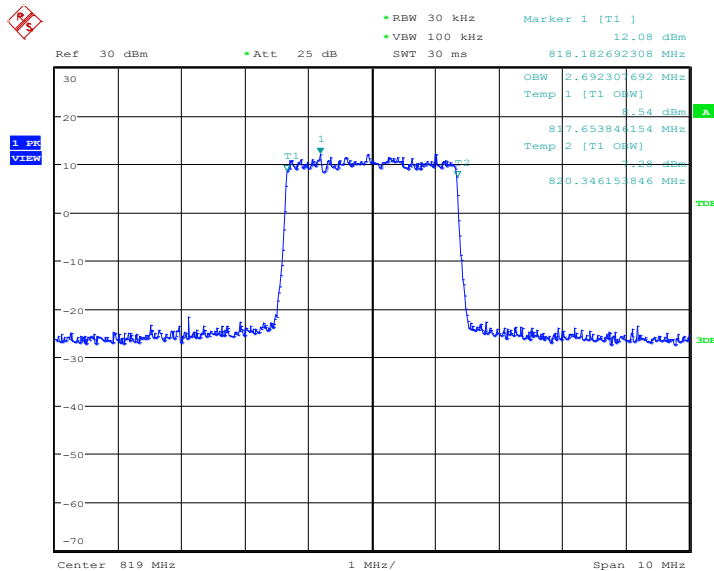
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
819.0	2692.31	2692.31	2692.31

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



Date: 13.APR.2021 17:06:41

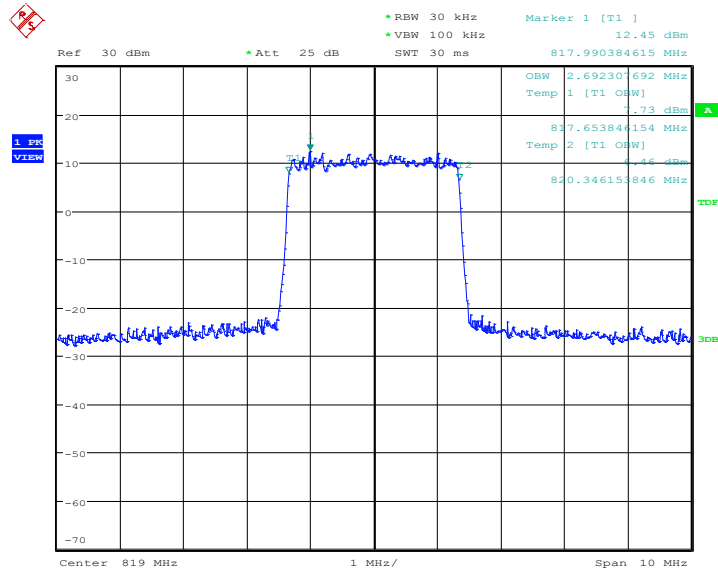
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:06:54



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



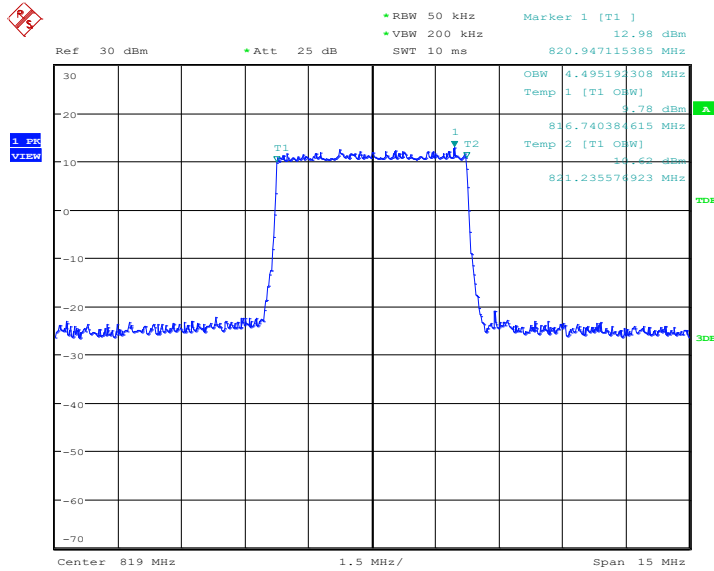
Date: 13.APR.2021 18:39:49



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

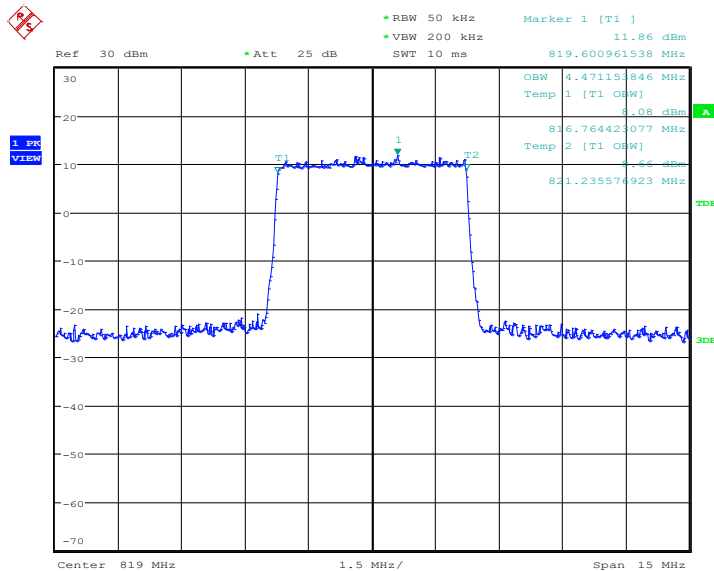
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
819.0	4495.19	4471.15	4495.19

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



Date: 13.APR.2021 17:08:58

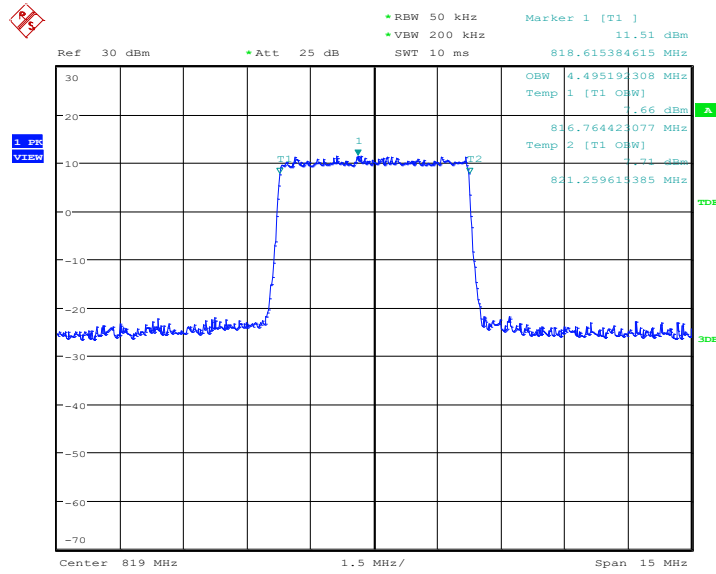
LTE band 26(814MHz-824MHz), 5MHz Bandwidth,16QAM (99% BW)



Date: 13.APR.2021 17:09:12



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



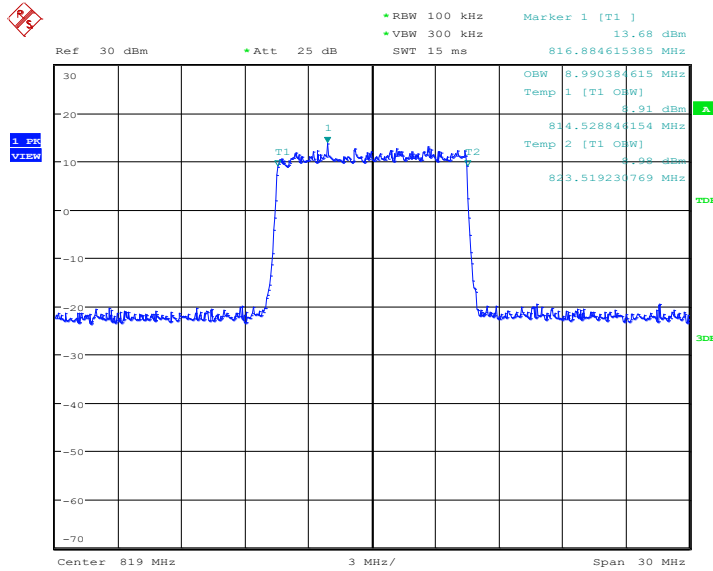
Date: 13.APR.2021 18:41:37



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

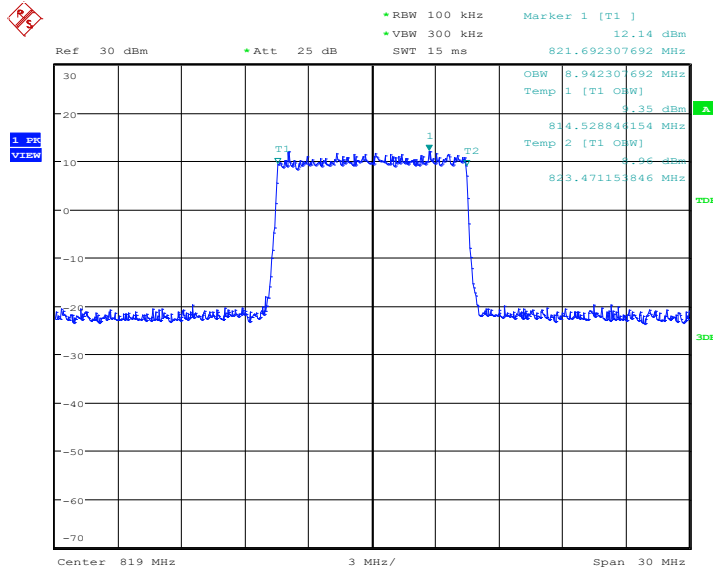
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
819.0	8990.38	8942.31	8942.31

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



Date: 13.APR.2021 17:11:16

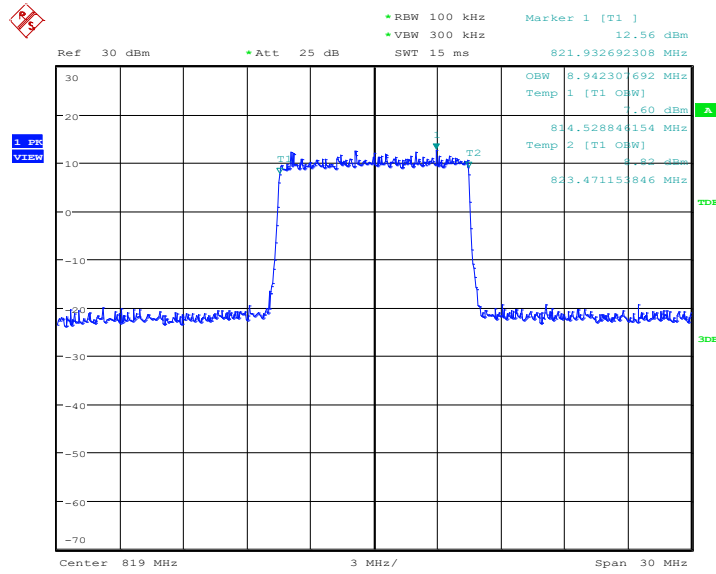
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:11:30



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



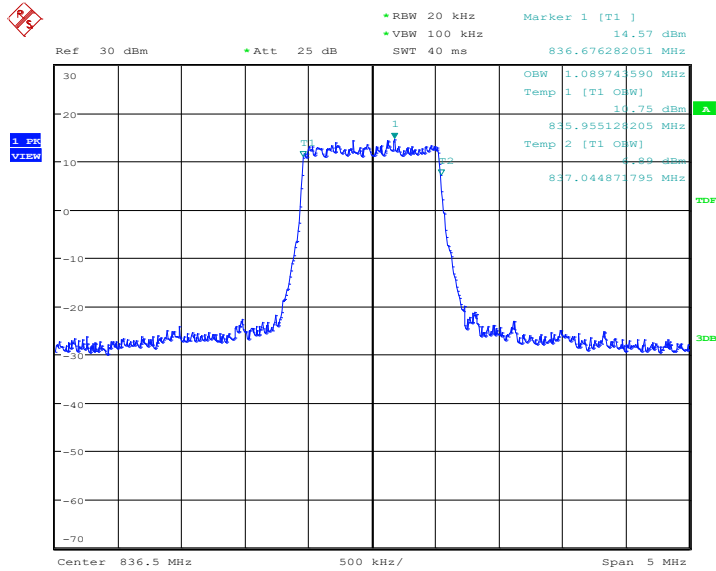
Date: 13.APR.2021 18:43:25



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

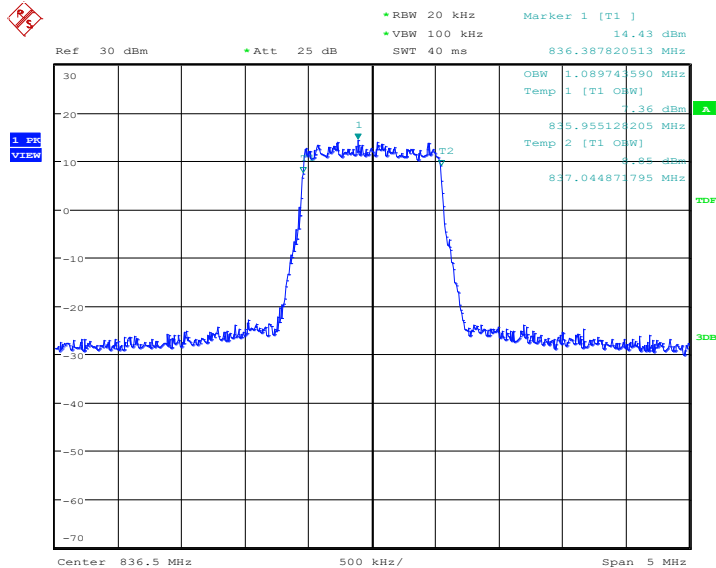
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	1089.74	1089.74	1089.74

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



Date: 13.APR.2021 16:52:53

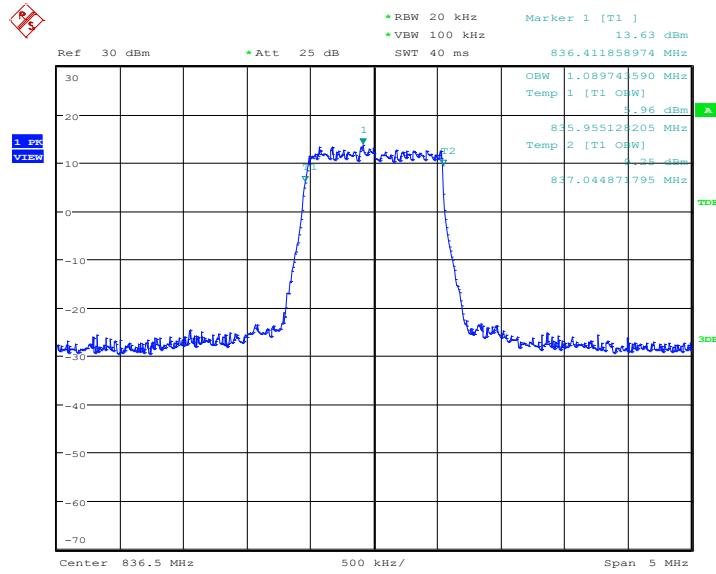
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:53:06



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



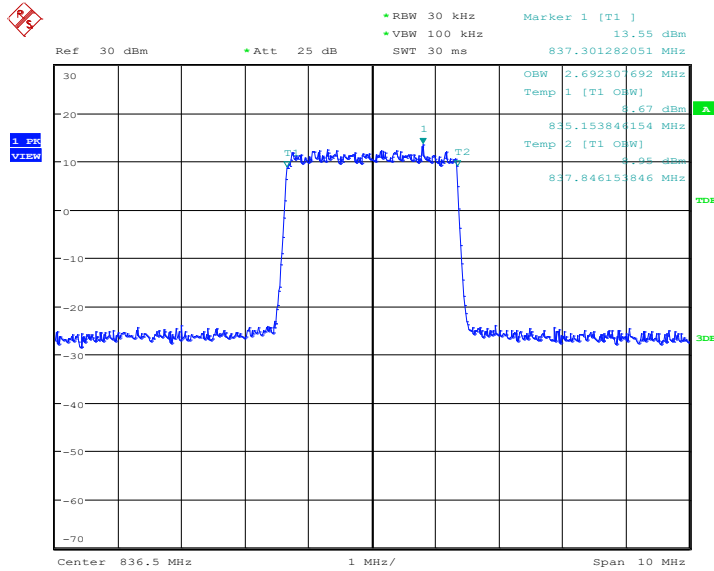
Date: 13.APR.2021 18:28:58



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

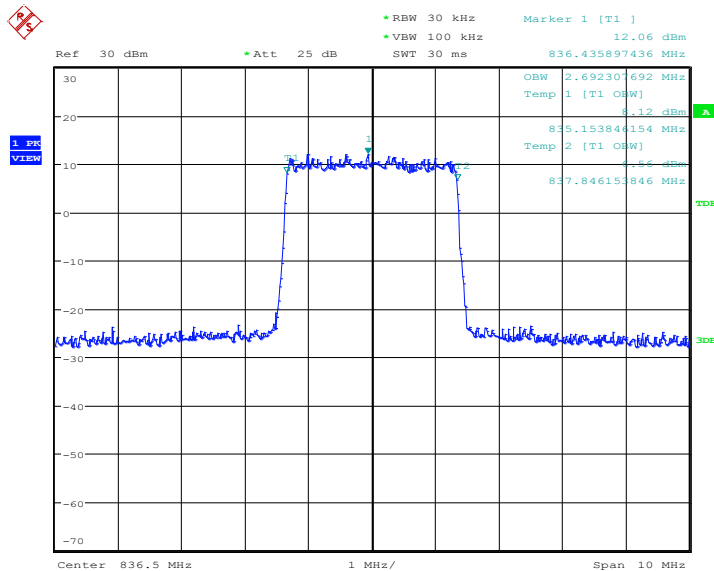
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	2692.31	2692.31	2692.31

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



Date: 13.APR.2021 16:55:10

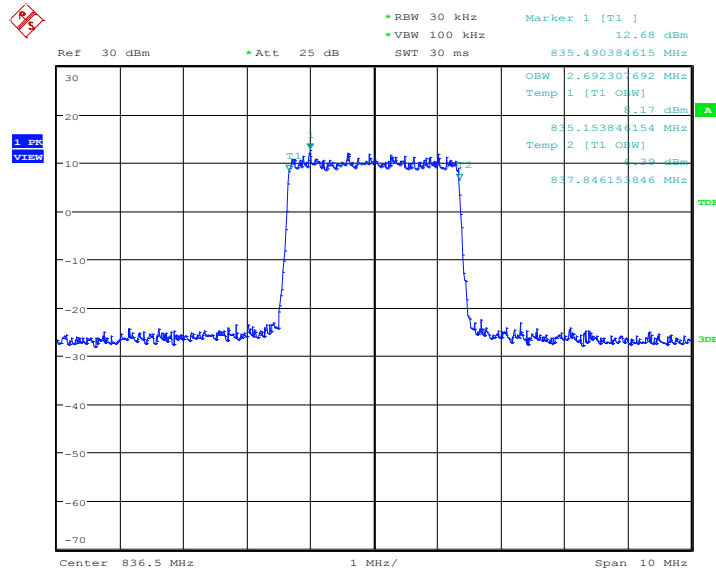
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:55:24



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



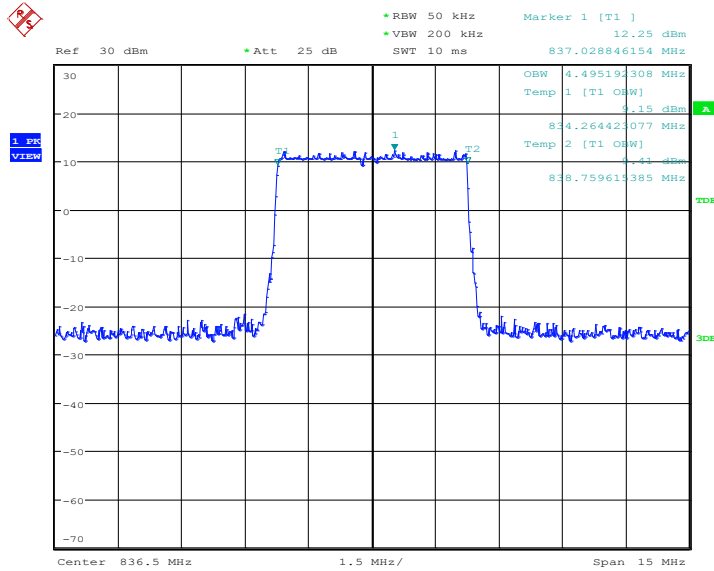
Date: 13.APR.2021 18:30:46



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

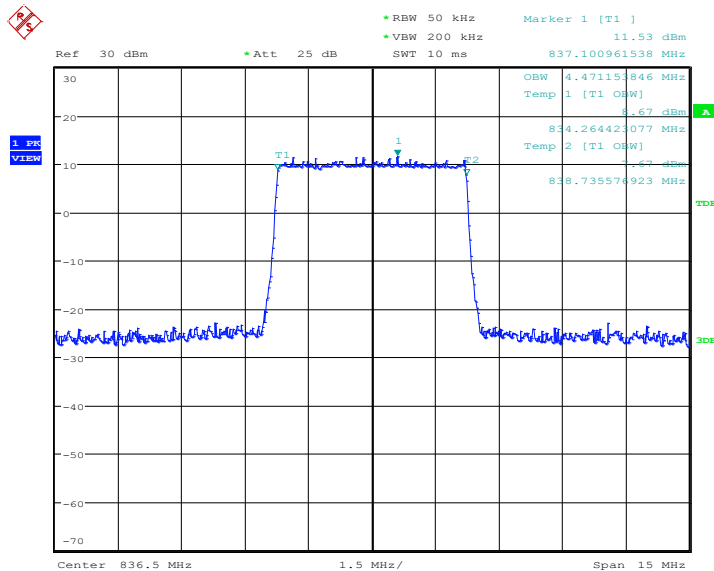
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	4495.19	4471.15	4471.15

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



Date: 13.APR.2021 16:57:28

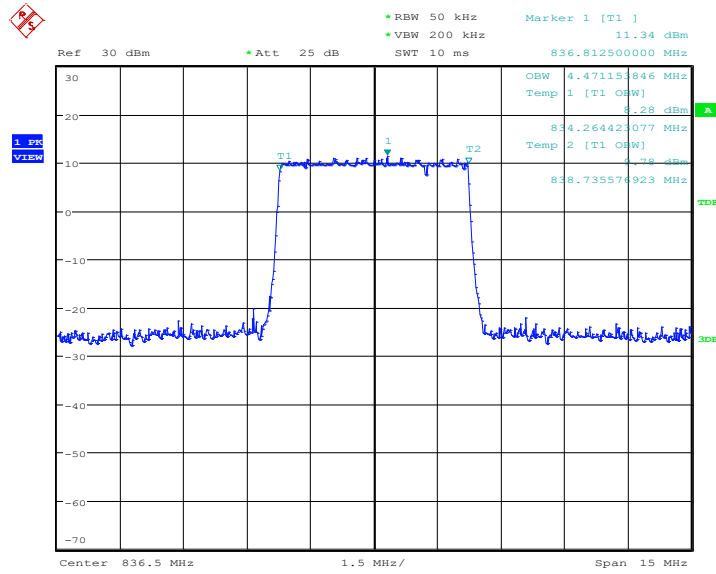
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (99% BW)



Date: 13.APR.2021 16:57:42



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



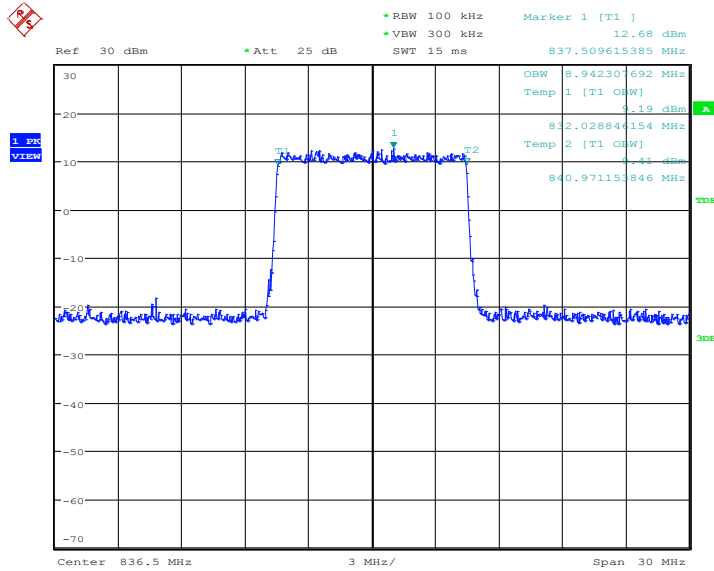
Date: 13.APR.2021 18:32:34



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

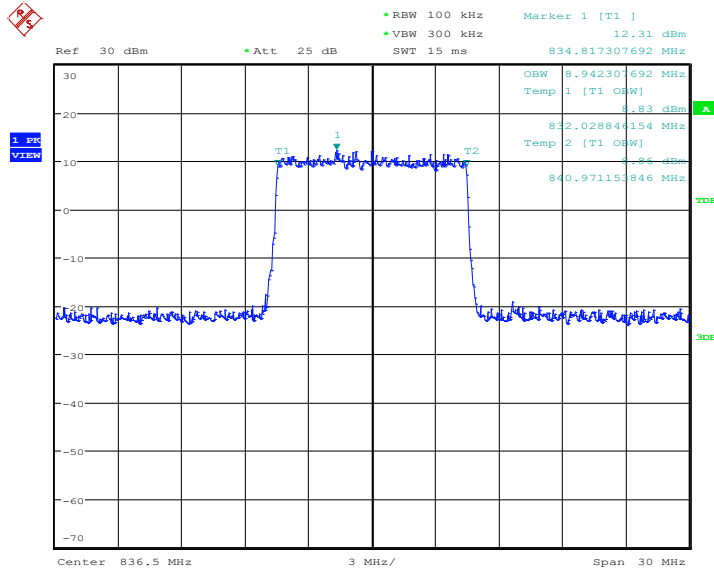
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	8942.31	8942.31	8942.31

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



Date: 13.APR.2021 16:59:46

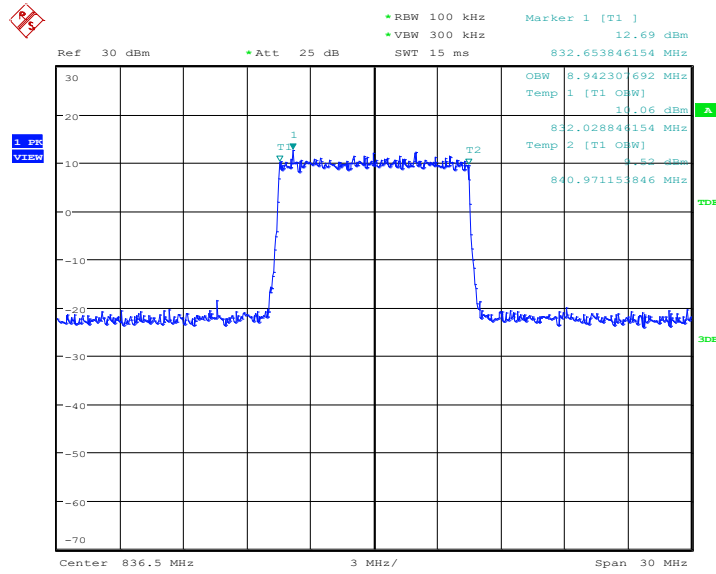
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:00:00



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



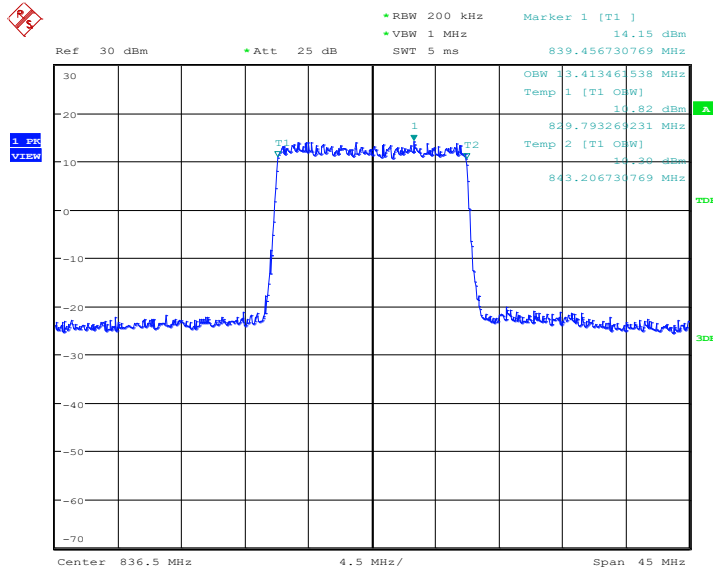
Date: 13.APR.2021 18:34:22



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

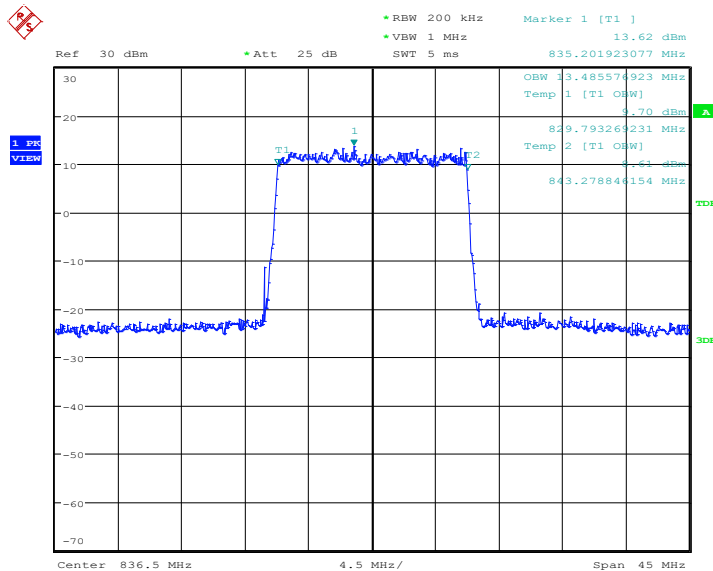
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	13413.46	13485.58	13557.69

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



Date: 13.APR.2021 17:02:04

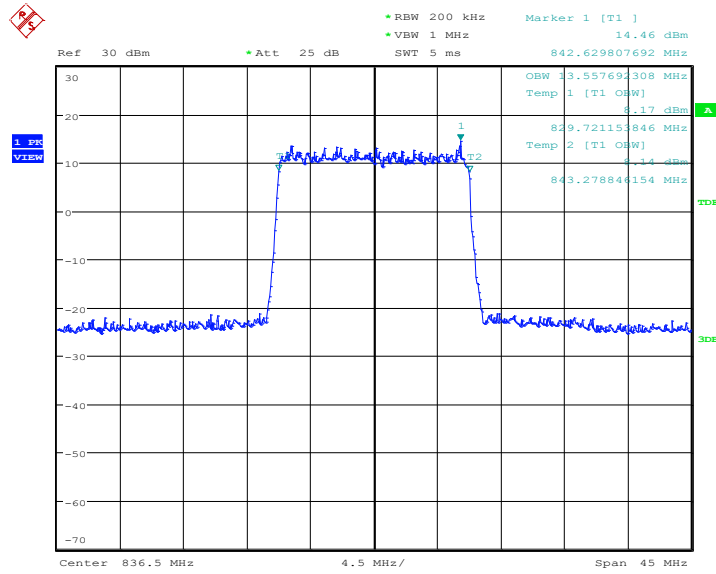
LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:02:17



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



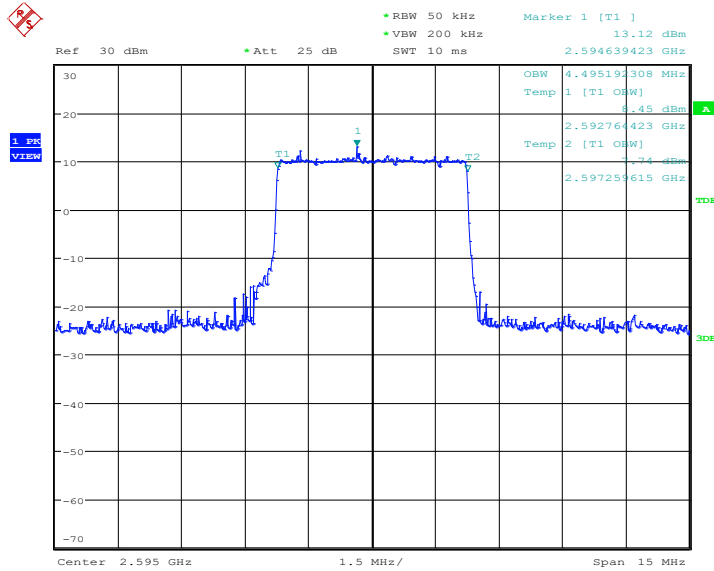
Date: 13.APR.2021 18:36:11



LTE band 41, 5MHz (99% BW)

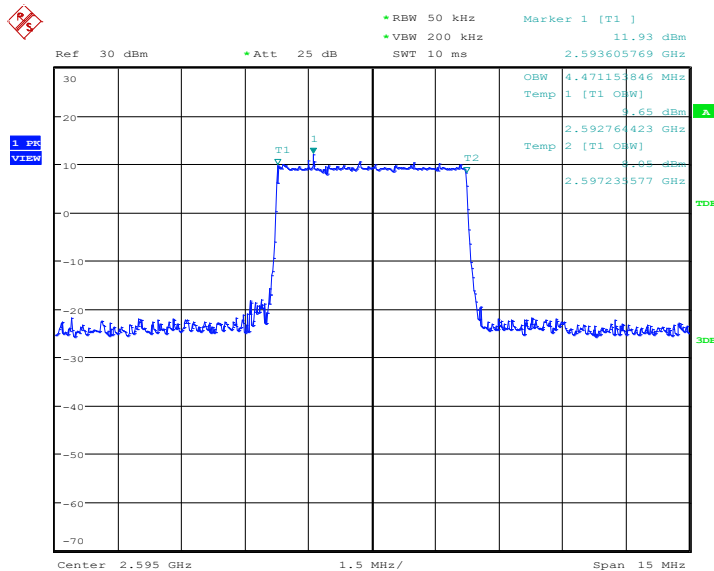
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	4495.19	4471.15	4471.15

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



Date: 13.APR.2021 15:46:03

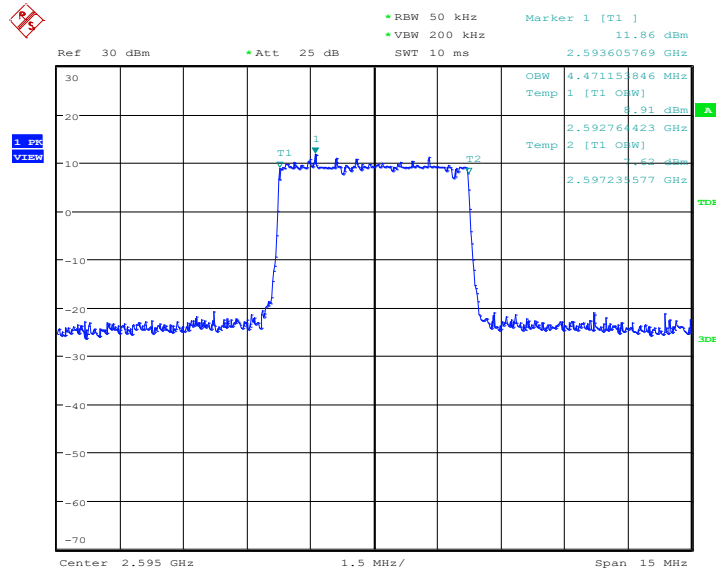
LTE band 41, 5MHz Bandwidth,16QAM (99% BW)



Date: 13.APR.2021 15:46:17



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

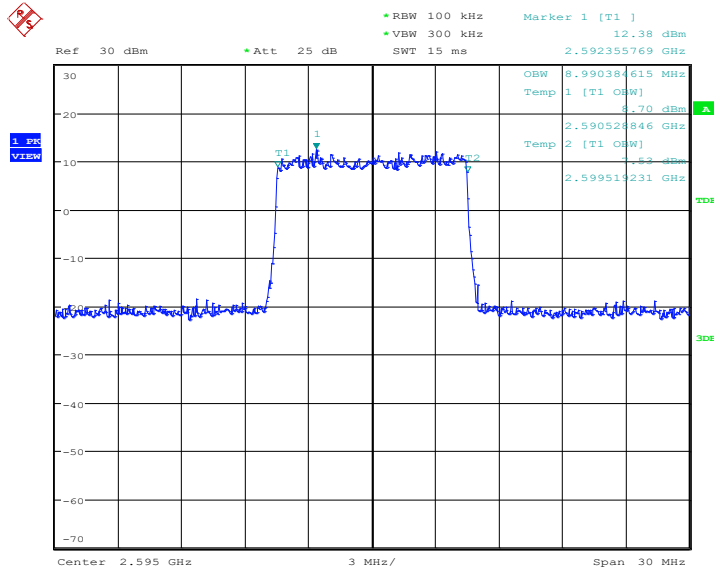


Date: 13.APR.2021 17:36:26

LTE band 41, 10MHz (99% BW)

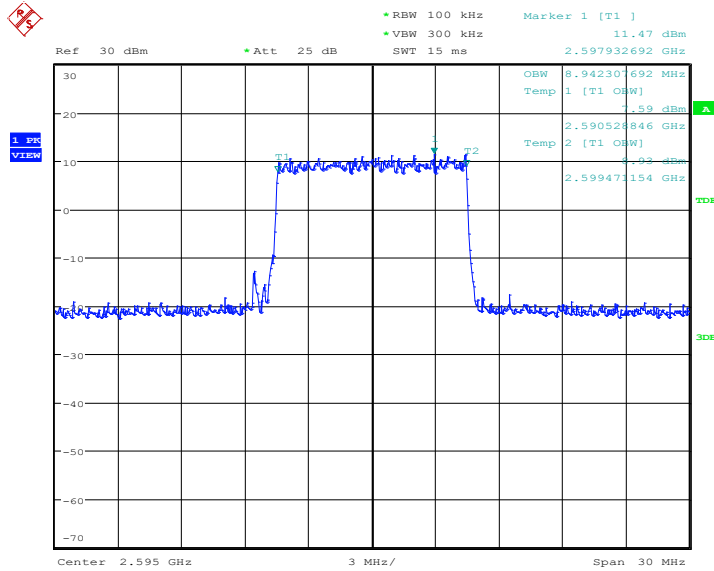
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	8990.38	8942.31	8990.38

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



Date: 13.APR.2021 15:48:21

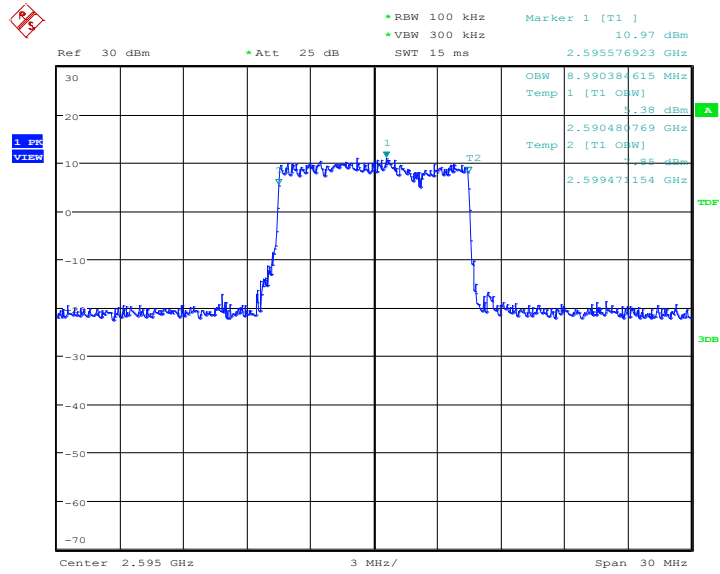
LTE band 41, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 15:48:34



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



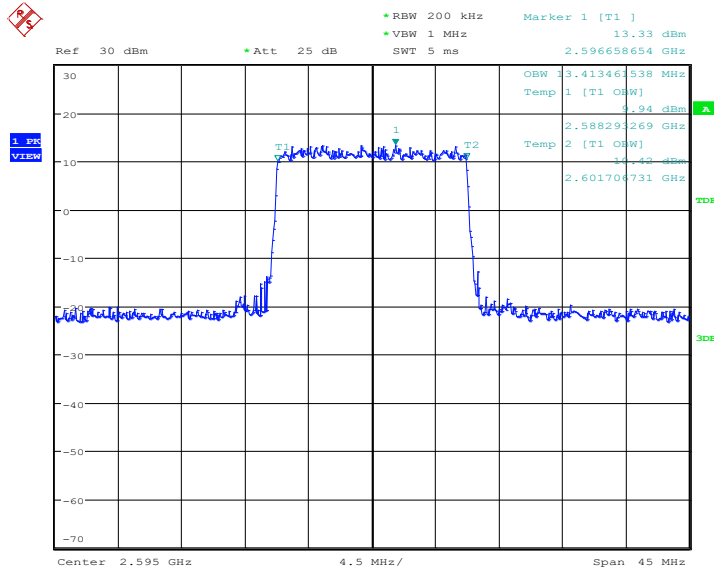
Date: 13.APR.2021 17:38:14



LTE band 41, 15MHz (99% BW)

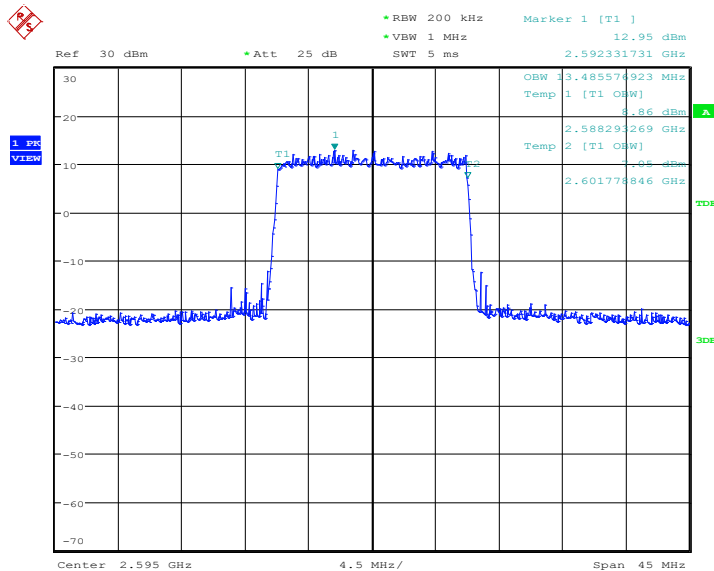
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	13413.46	13485.58	13485.58

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



Date: 13.APR.2021 15:50:38

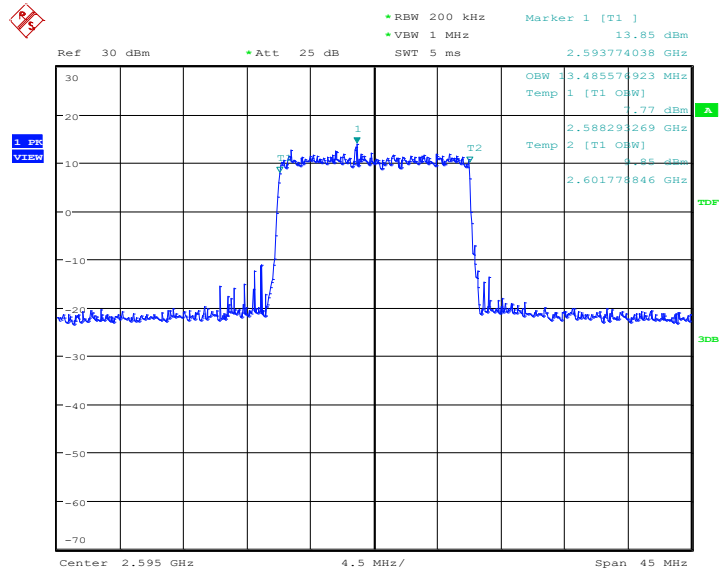
LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 15:50:52



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

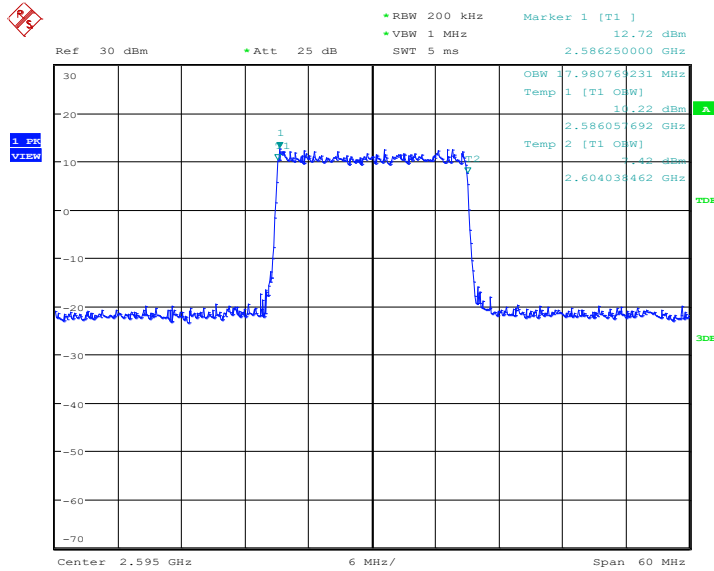


Date: 13.APR.2021 17:40:02

LTE band 41, 20MHz (99% BW)

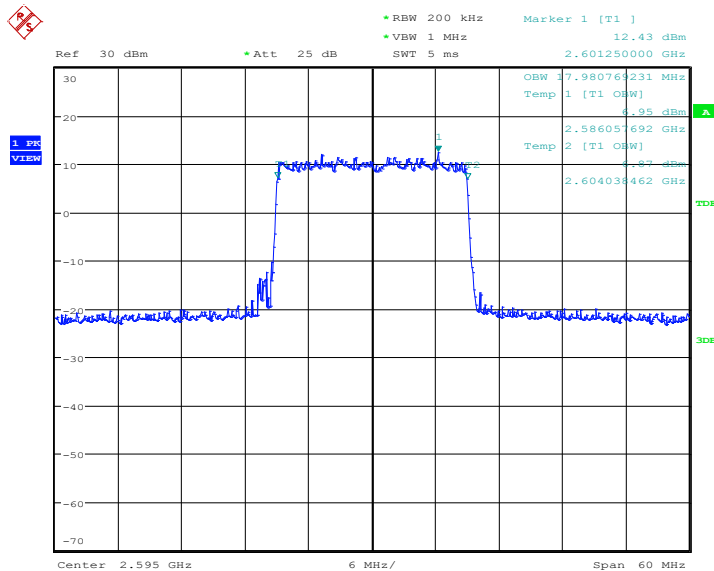
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	17980.77	17980.77	17980.77

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



Date: 13.APR.2021 15:52:56

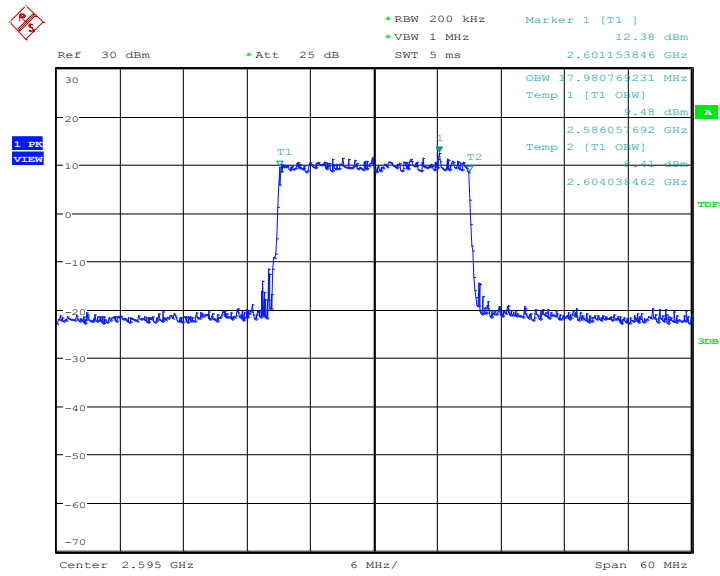
LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 15:53:10



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



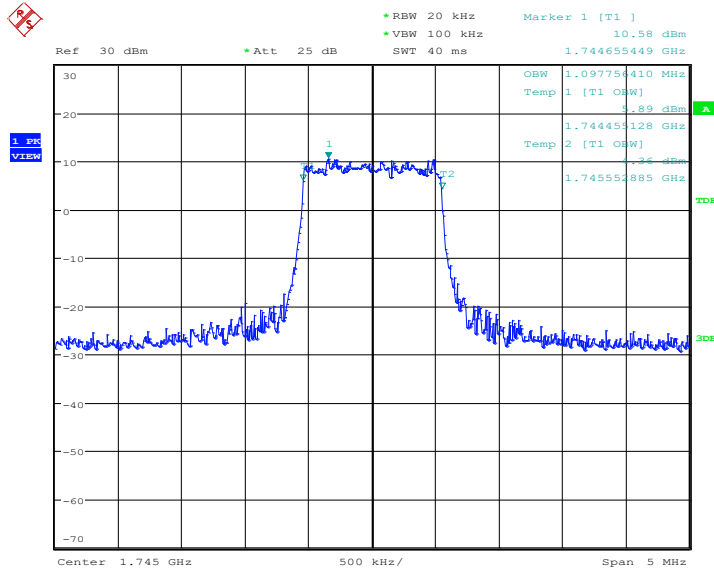
Date: 13.APR.2021 17:41:50



LTE band 66, 1.4MHz (99% BW)

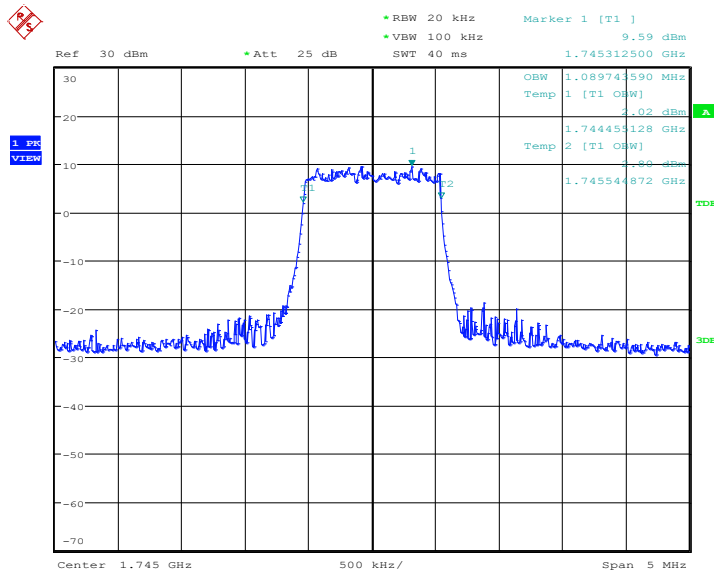
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	1097.76	1089.74	1097.76

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



Date: 13.APR.2021 17:13:36

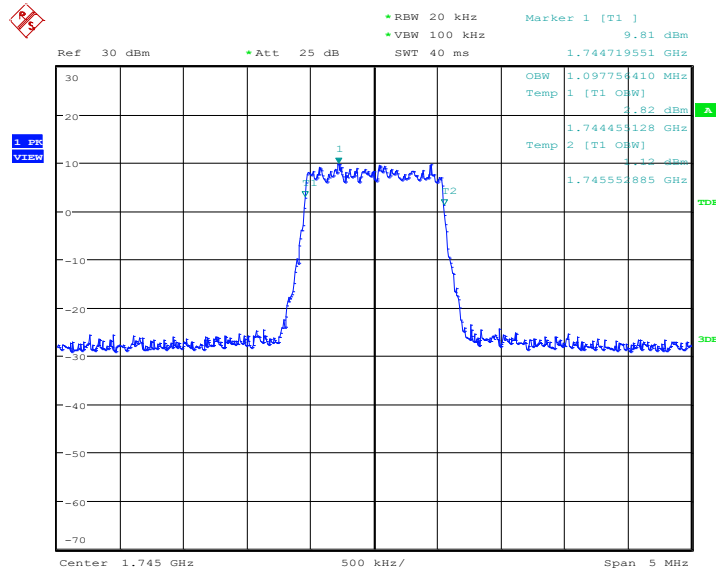
LTE band 66, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:13:49



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



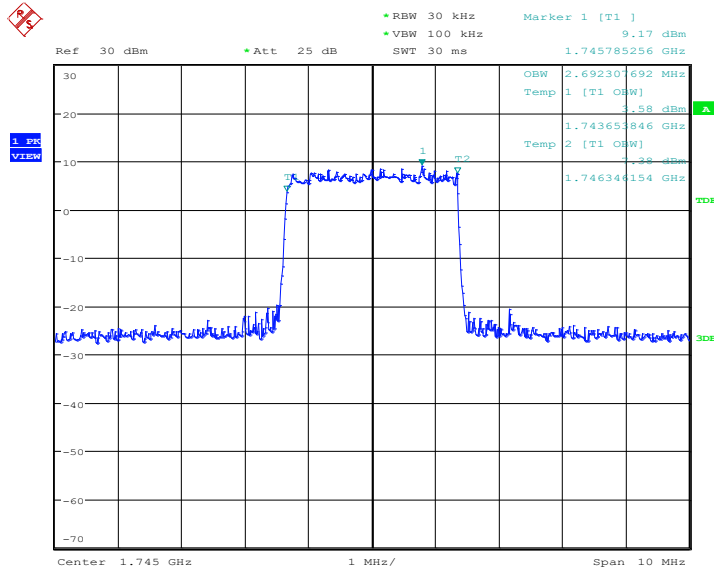
Date: 13.APR.2021 18:45:20



LTE band 66, 3MHz (99% BW)

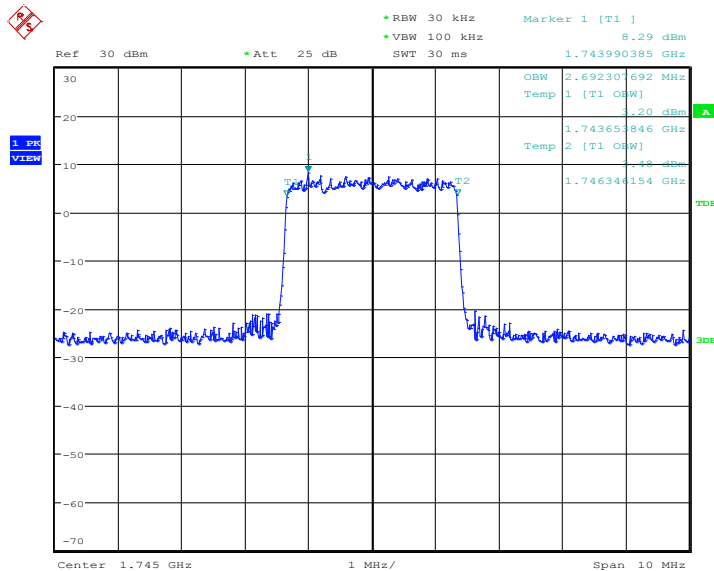
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	2692.31	2692.31	2692.31

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



Date: 13.APR.2021 17:15:53

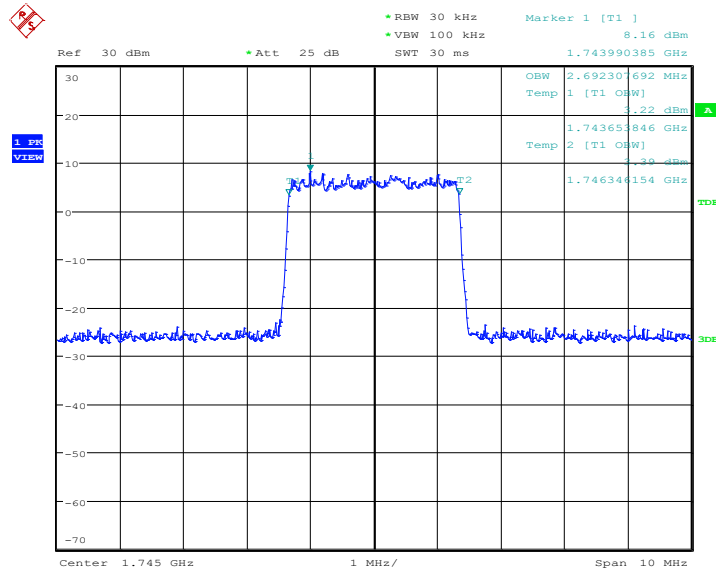
LTE band 66, 3MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:16:07



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



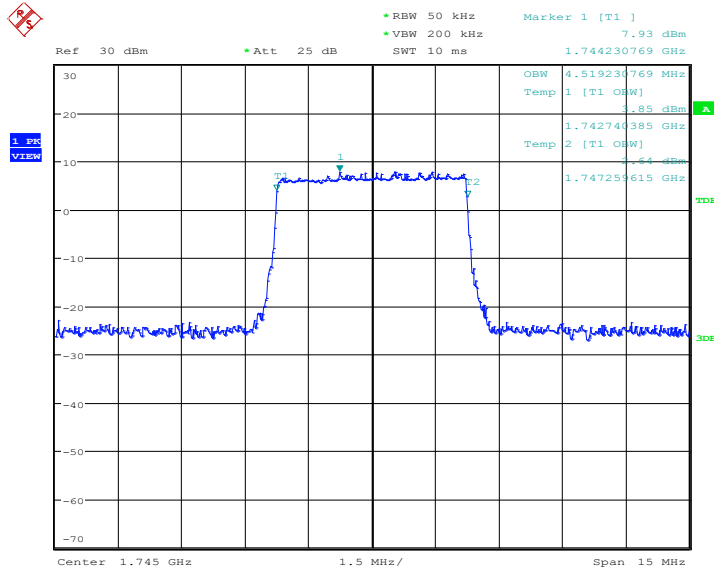
Date: 13.APR.2021 18:47:09



LTE band 66, 5MHz (99% BW)

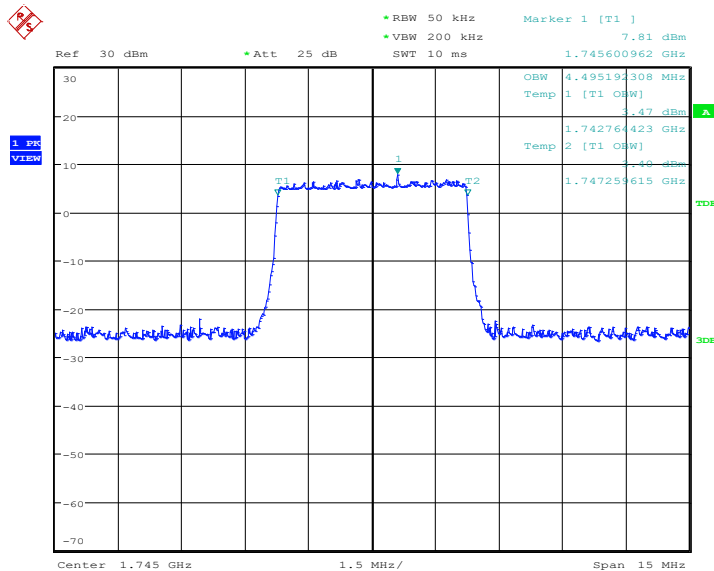
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	4519.23	4495.19	4495.19

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



Date: 13.APR.2021 17:18:11

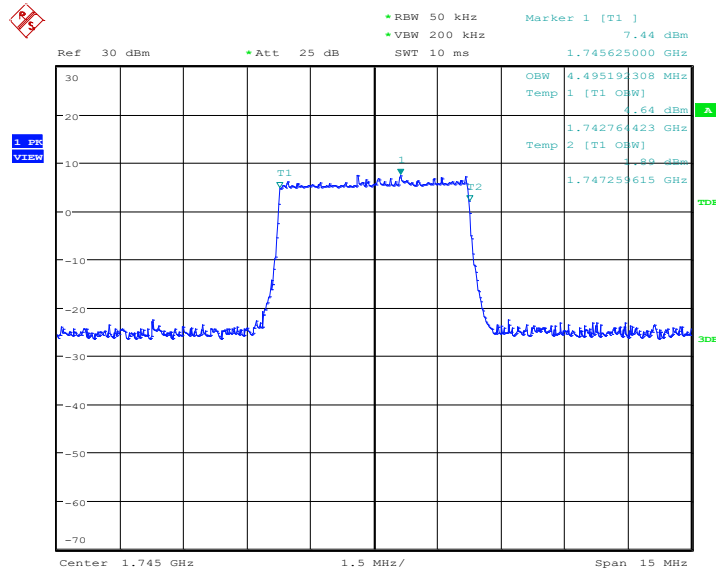
LTE band 66, 5MHz Bandwidth,16QAM (99% BW)



Date: 13.APR.2021 17:18:25



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

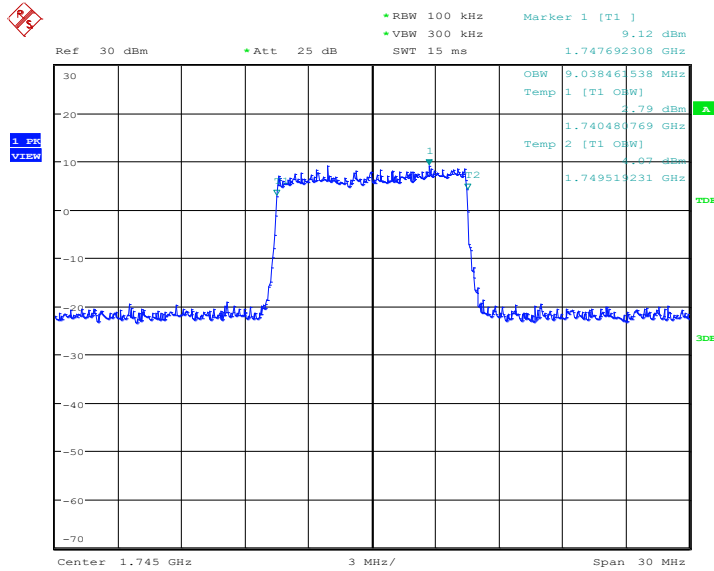


Date: 13.APR.2021 18:48:57

LTE band 66, 10MHz (99% BW)

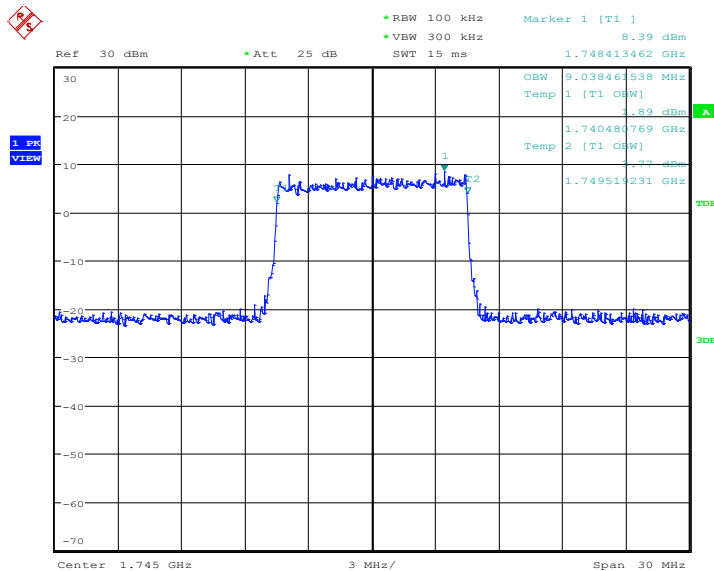
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	9038.46	9038.46	9038.46

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



Date: 13.APR.2021 17:20:29

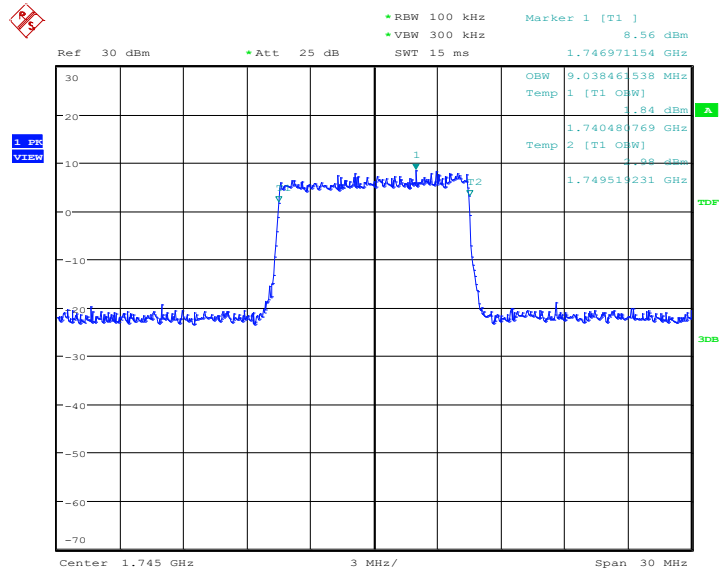
LTE band 66, 10MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:20:42



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



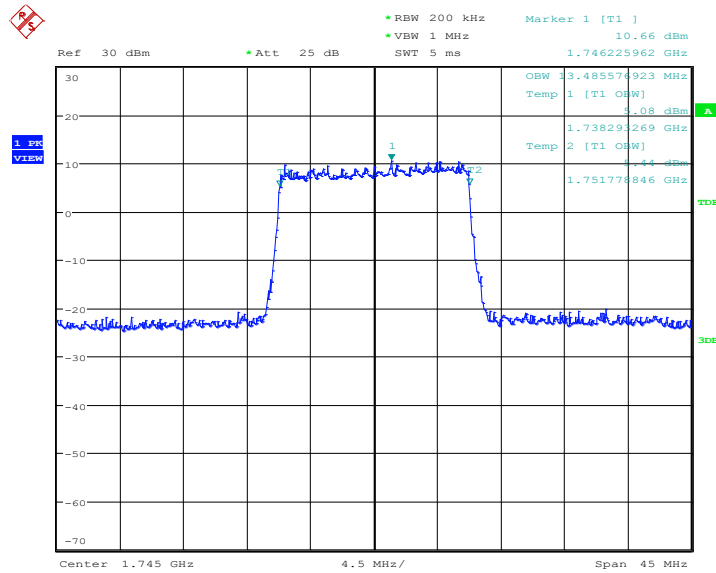
Date: 13.APR.2021 18:50:45



LTE band 66, 15MHz (99% BW)

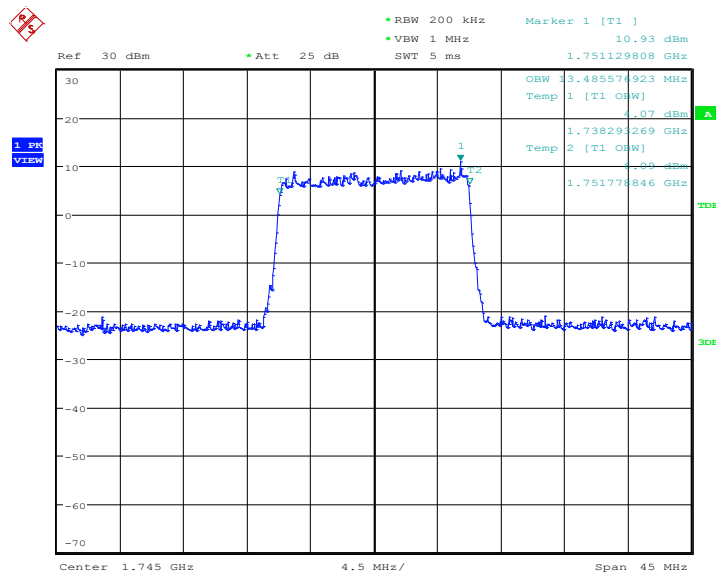
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	13485.58	13485.58	13557.69

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



Date: 13.APR.2021 17:22:46

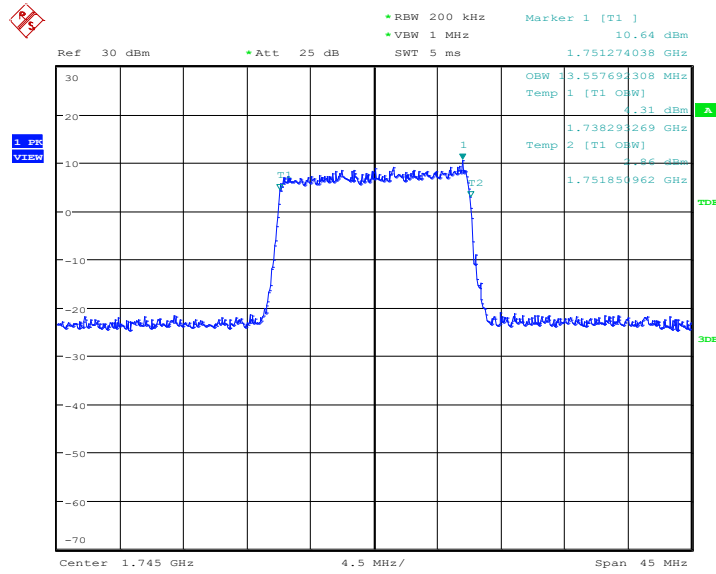
LTE band 66, 15MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:23:00



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

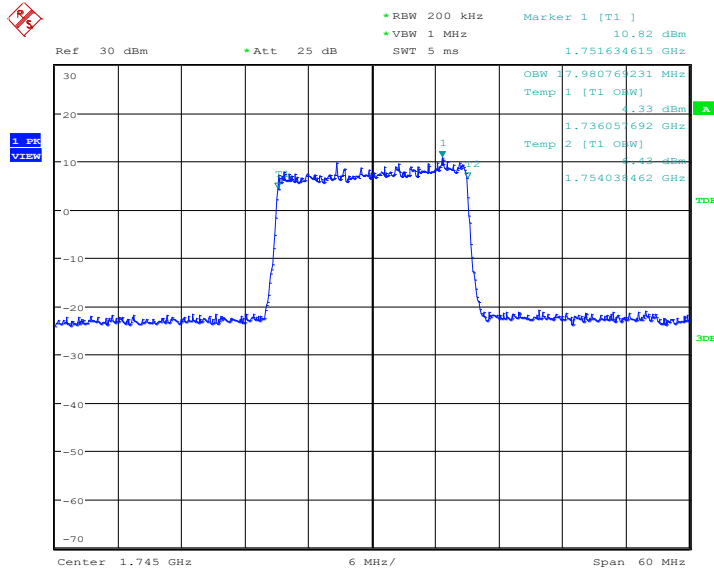


Date: 13.APR.2021 18:52:33

LTE band 66, 20MHz (99% BW)

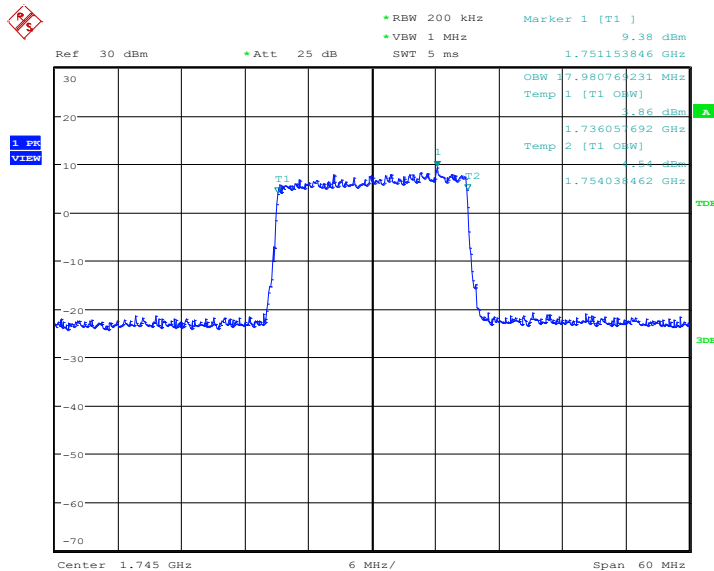
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	17980.77	17980.77	17980.77

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



Date: 13.APR.2021 17:25:04

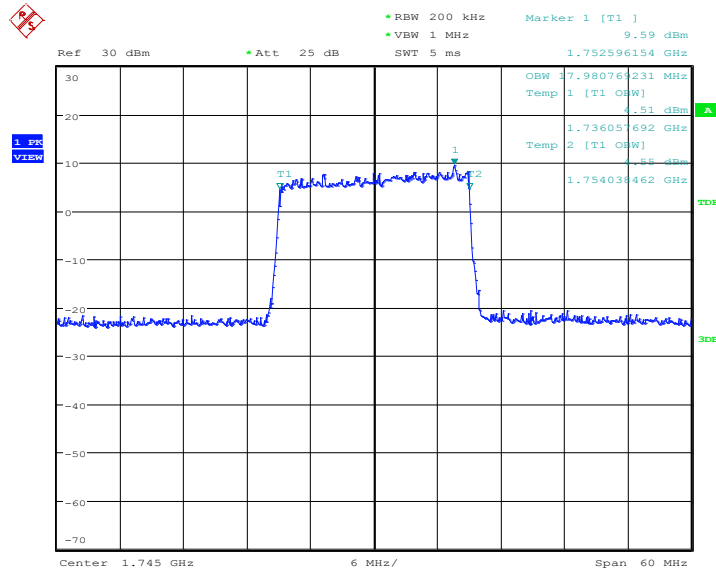
LTE band 66, 20MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 17:25:18



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



Date: 13.APR.2021 18:54:22

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.

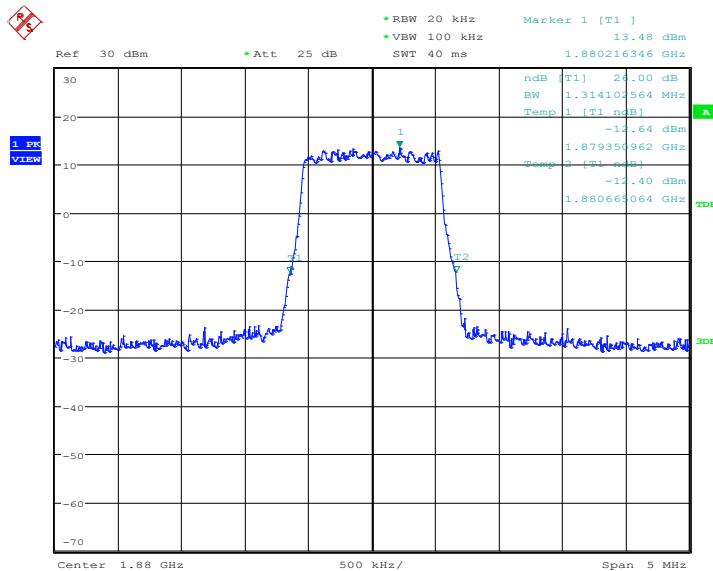
A.5.1 Emission Bandwidth Results

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)		
	QPSK	16QAM	64QAM
1880.0	1314.10	1282.05	1282.05

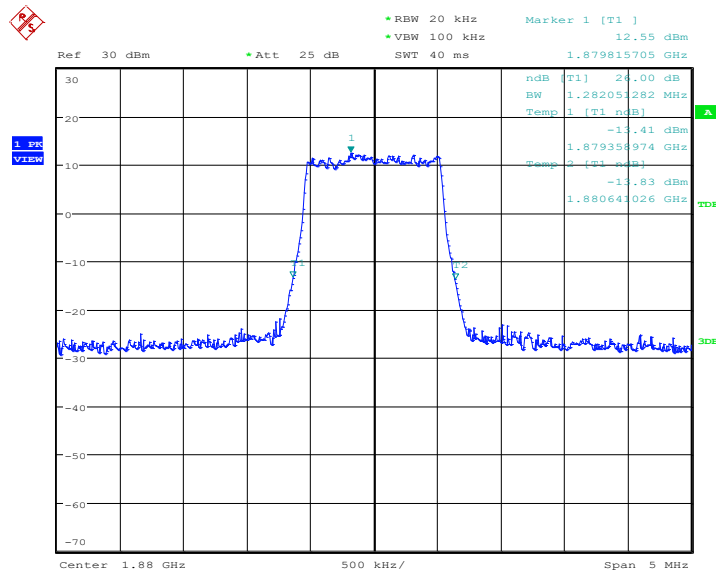
LTE band 2, 1.4MHz Bandwidth, QPSK (-26dBc BW)



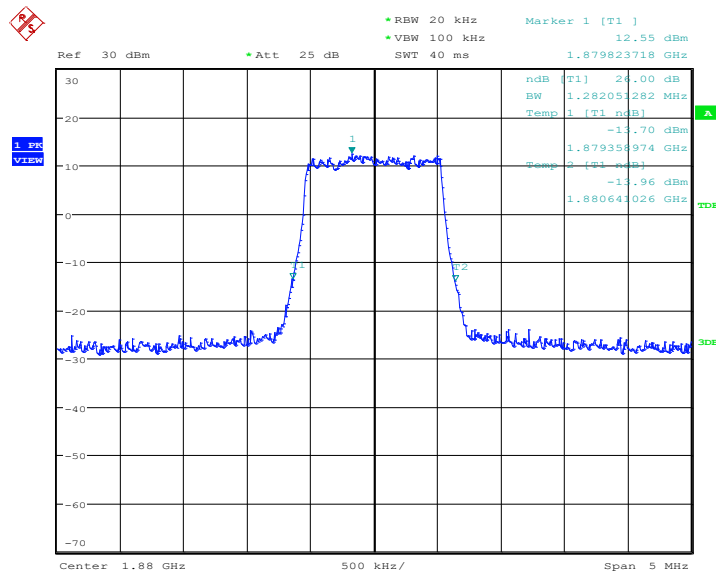
Date: 13.APR.2021 16:05:36



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



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

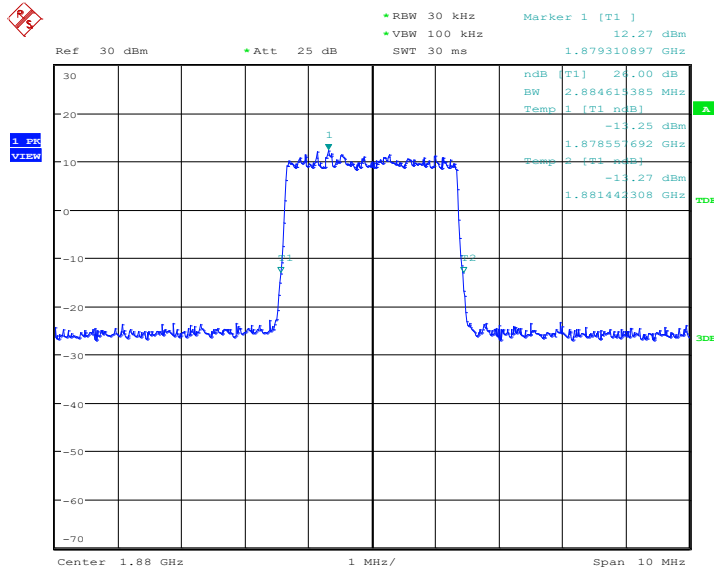




LTE band 2, 3MHz (-26dBc BW)

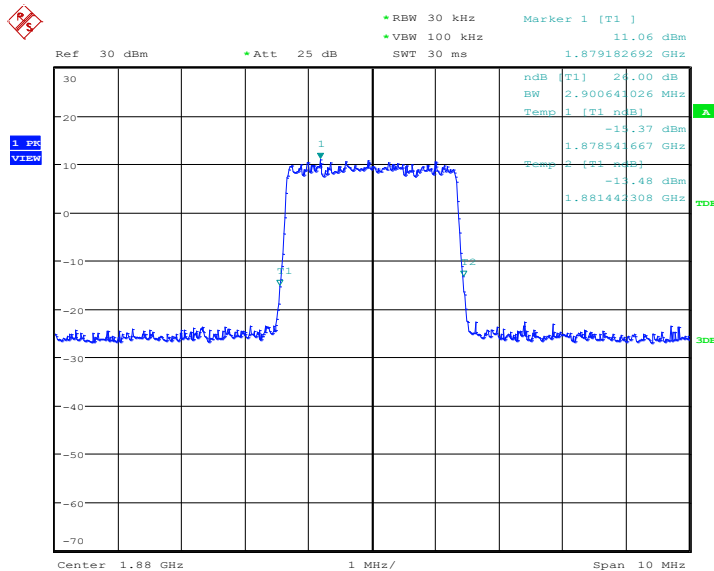
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	2884.62	2900.64	2884.62

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



Date: 13.APR.2021 16:07:53

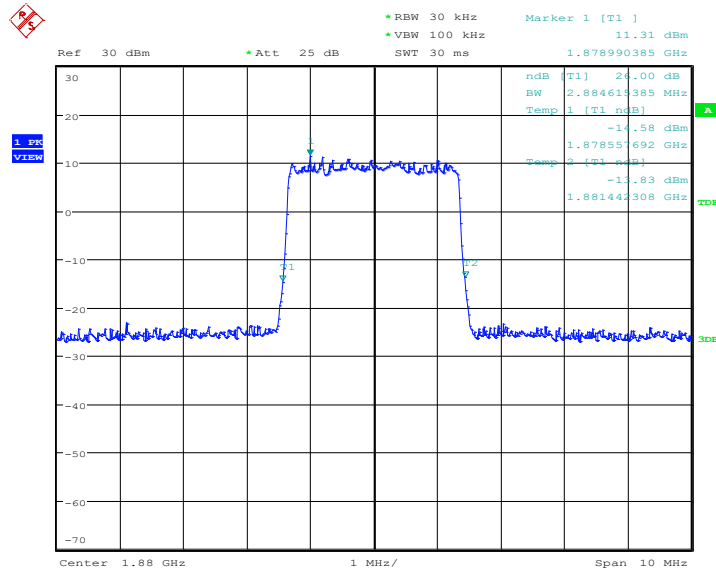
LTE band 2, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:08:09



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

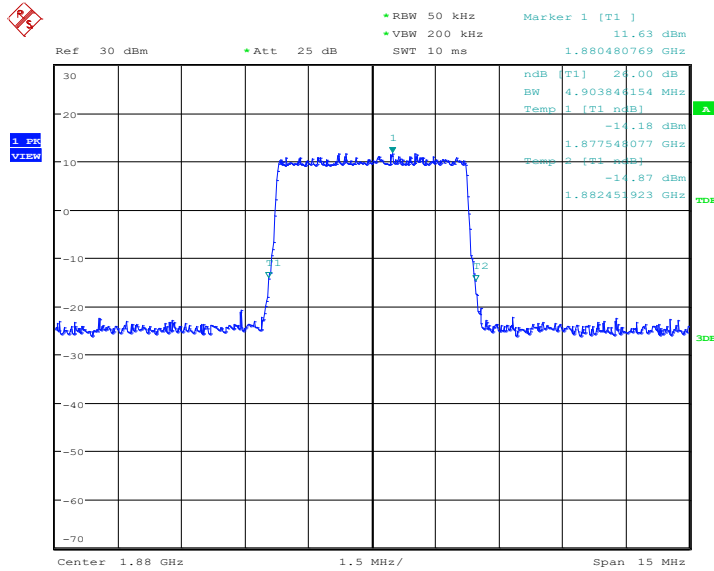


Date: 13.APR.2021 17:53:36

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

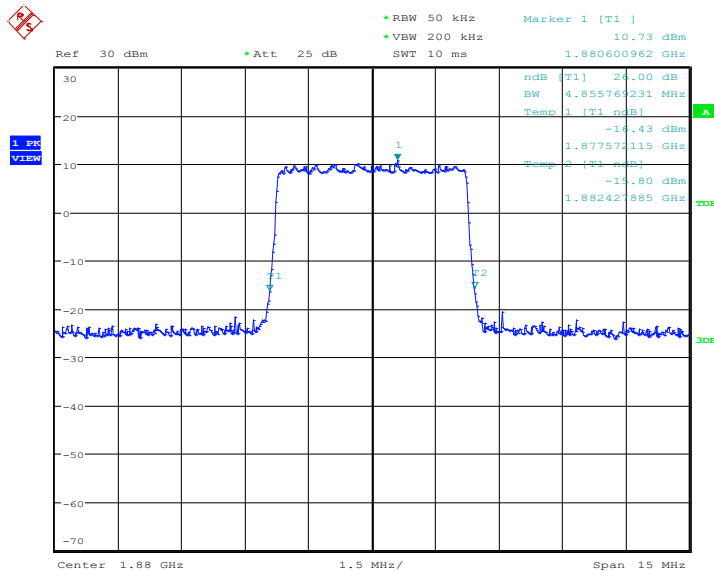
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	4903.85	4855.77	4855.77

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



Date: 13.APR.2021 16:10:11

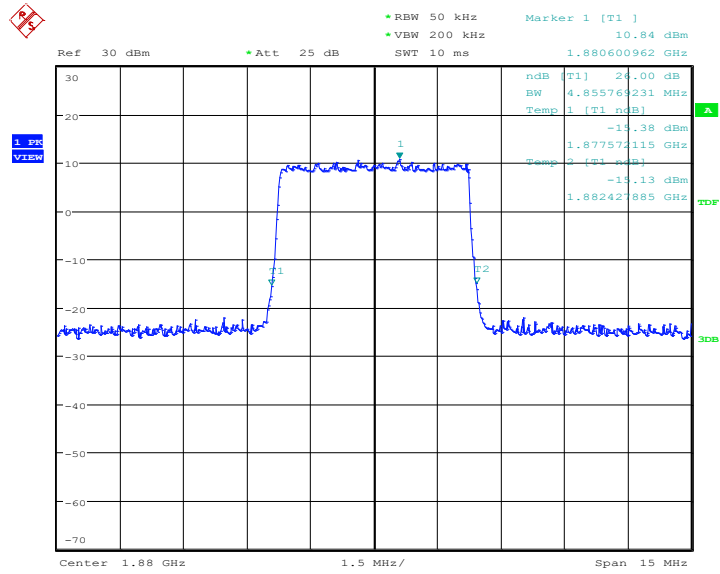
LTE band 2, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 16:10:27



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



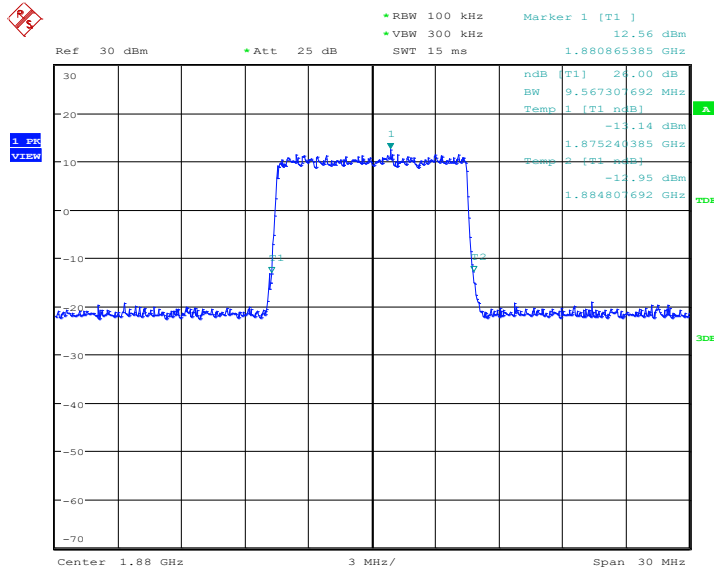
Date: 13.APR.2021 17:55:25



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

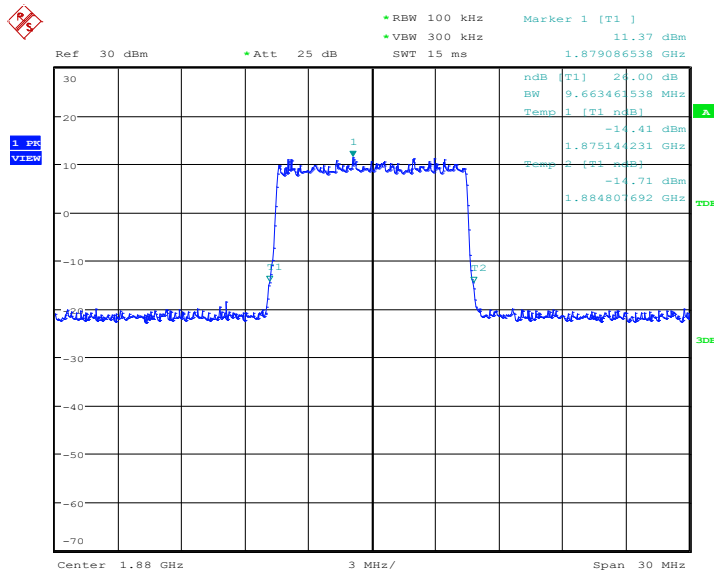
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	9567.31	9663.46	9615.38

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



Date: 13.APR.2021 16:12:29

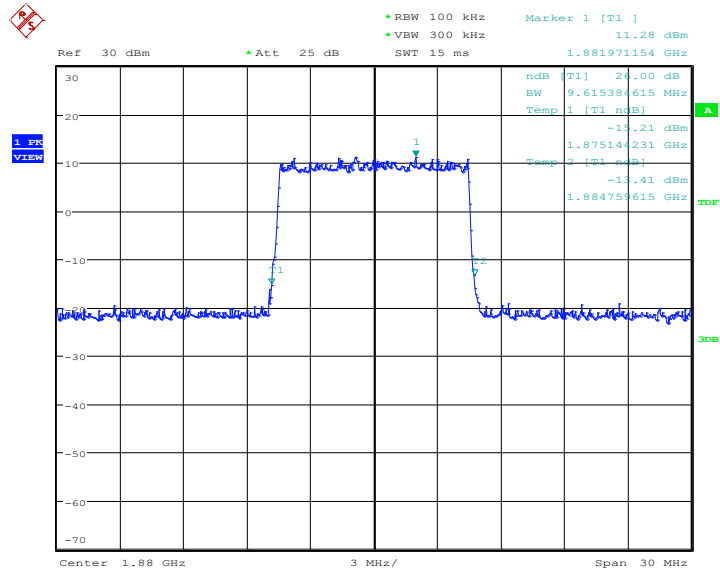
LTE band 2, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:12:45



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

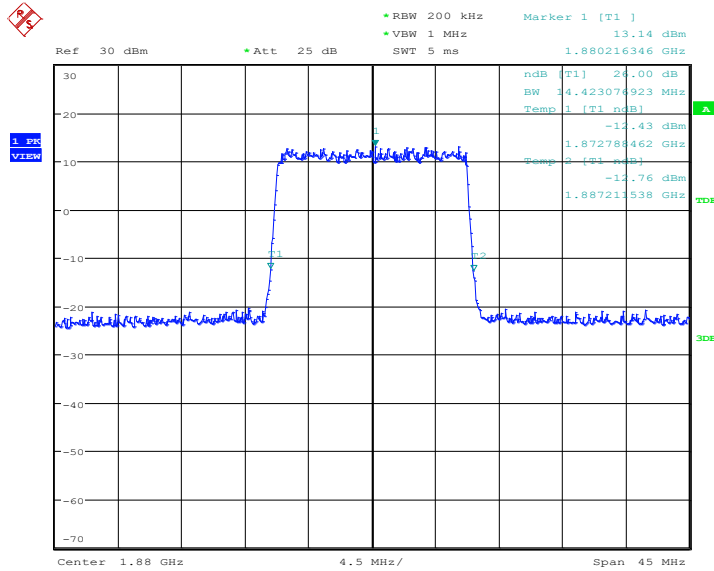


Date: 13.APR.2021 17:57:13

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

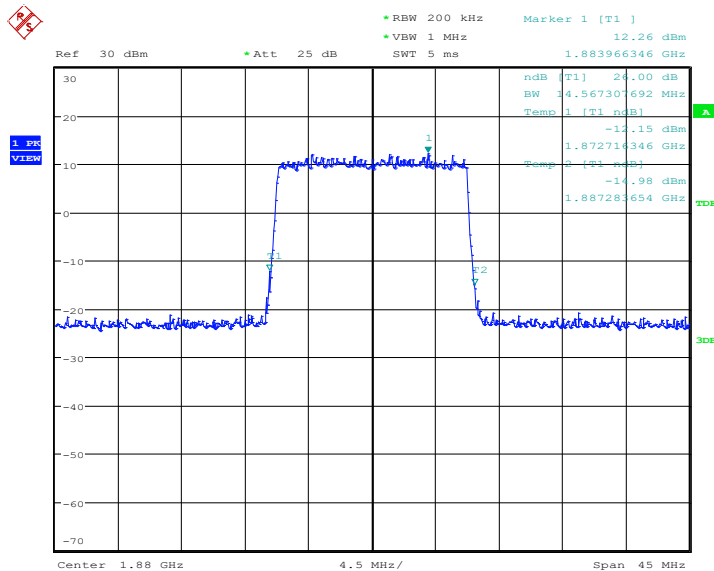
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	14423.08	14567.31	14567.31

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



Date: 13.APR.2021 16:14:47

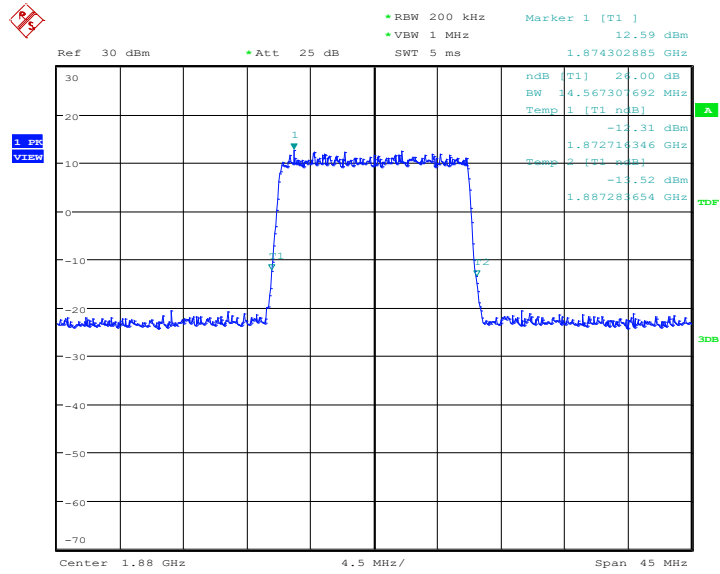
LTE band 2, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:15:03



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



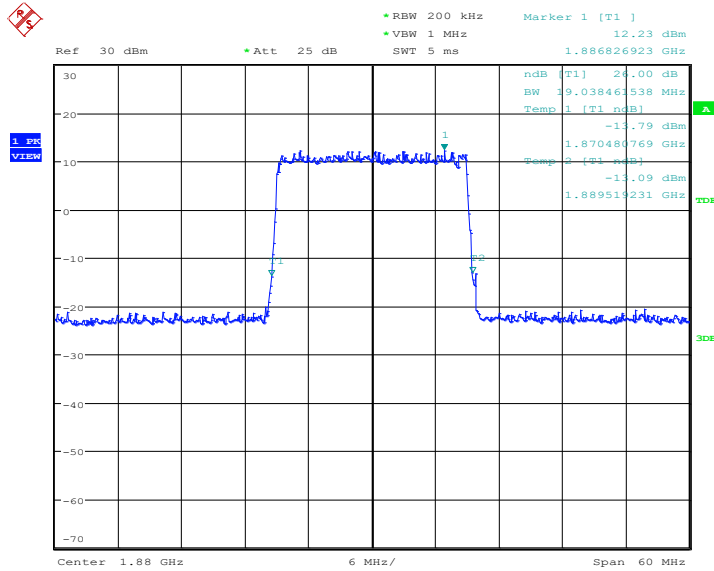
Date: 13.APR.2021 17:59:01



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

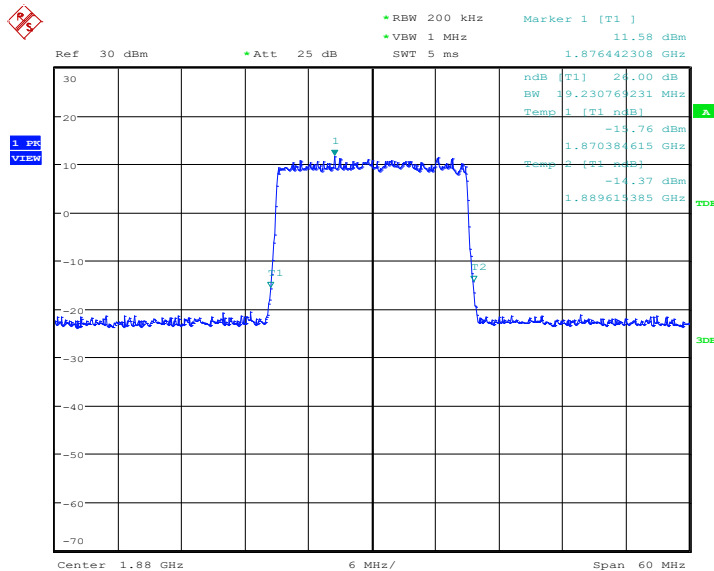
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1880.0	19038.46	19230.77	19038.46

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



Date: 13.APR.2021 16:17:05

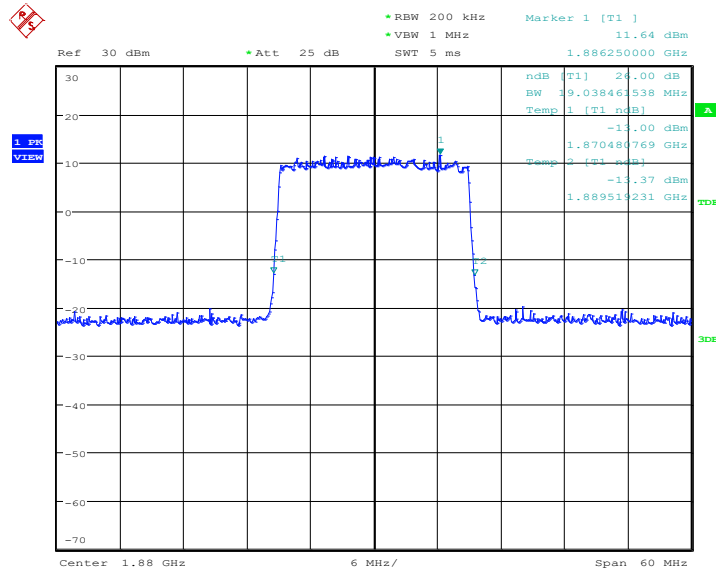
LTE band 2, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:17:21



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



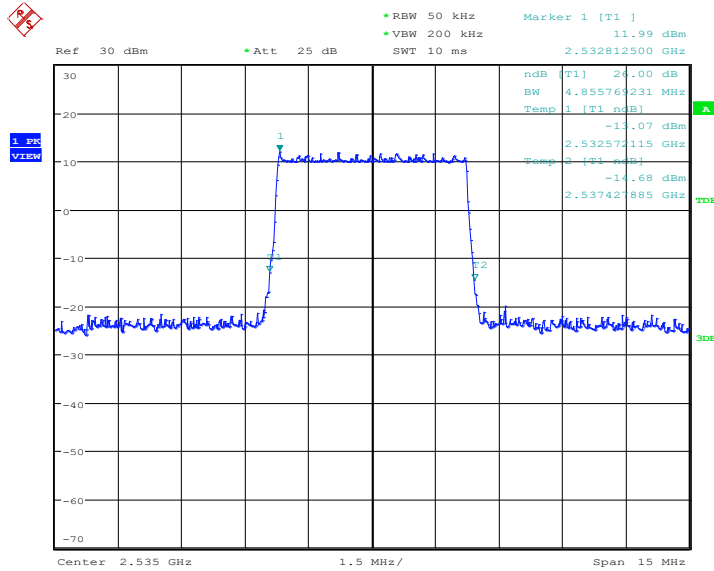
Date: 13.APR.2021 18:00:50



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

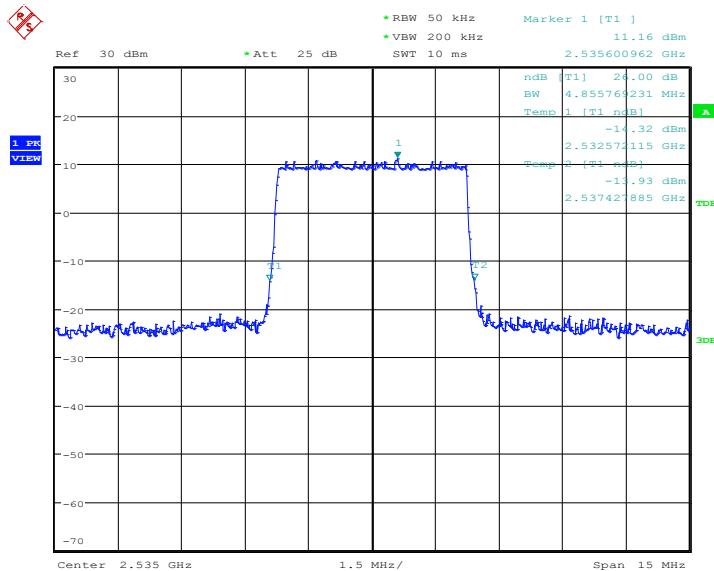
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2535.0	4855.77	4855.77	4855.77

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



Date: 13.APR.2021 15:37:56

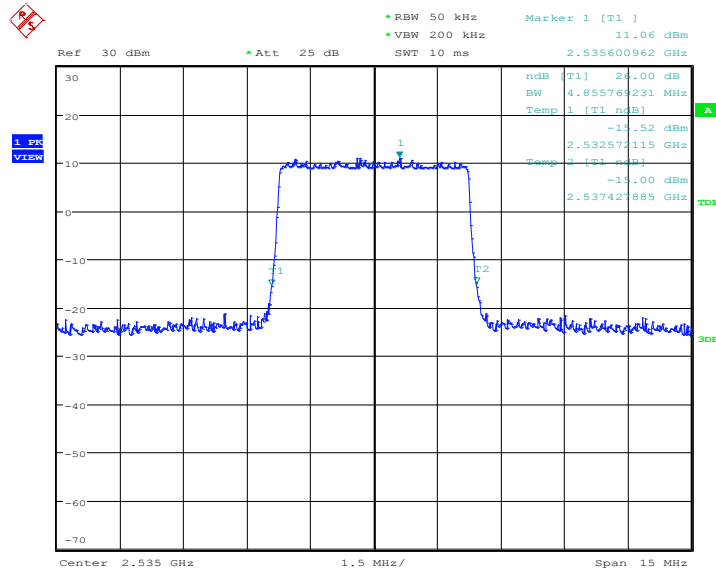
LTE band 7, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 15:38:12



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

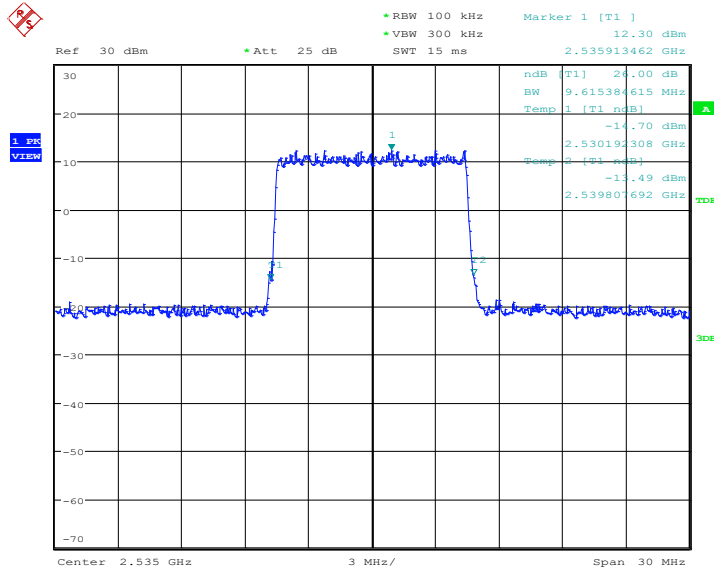


Date: 13.APR.2021 17:30:05

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

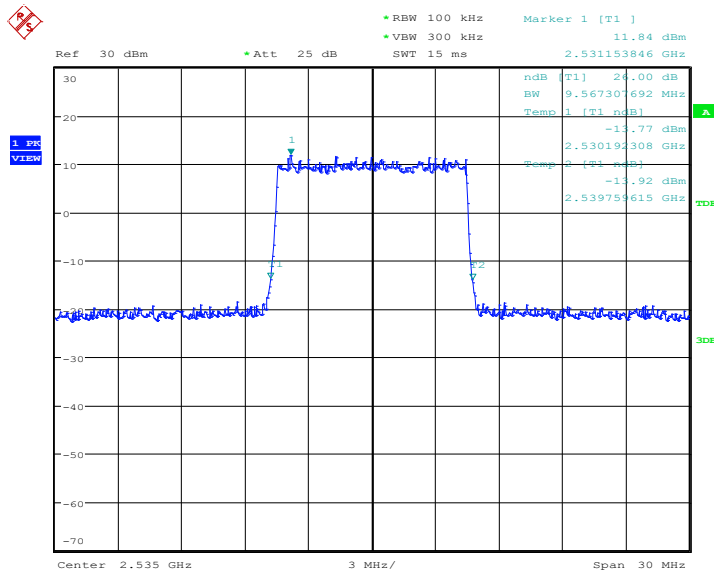
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2535.0	9615.38	9567.31	9567.31

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



Date: 13.APR.2021 15:40:14

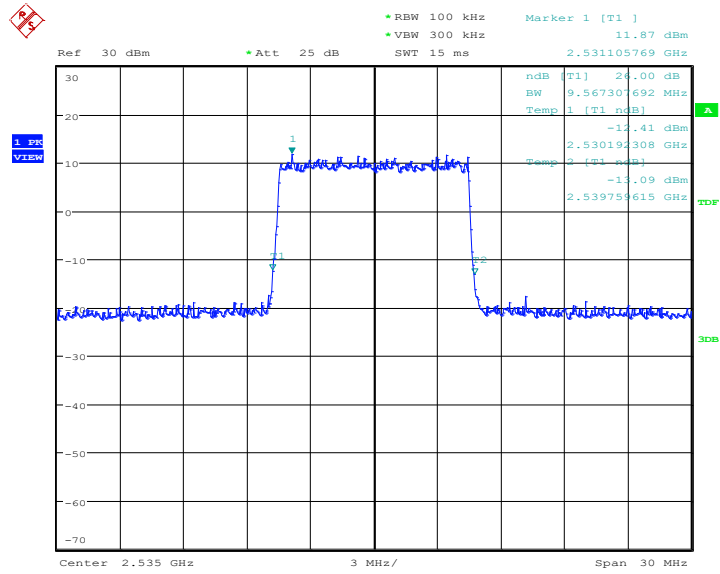
LTE band 7, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:40:30



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



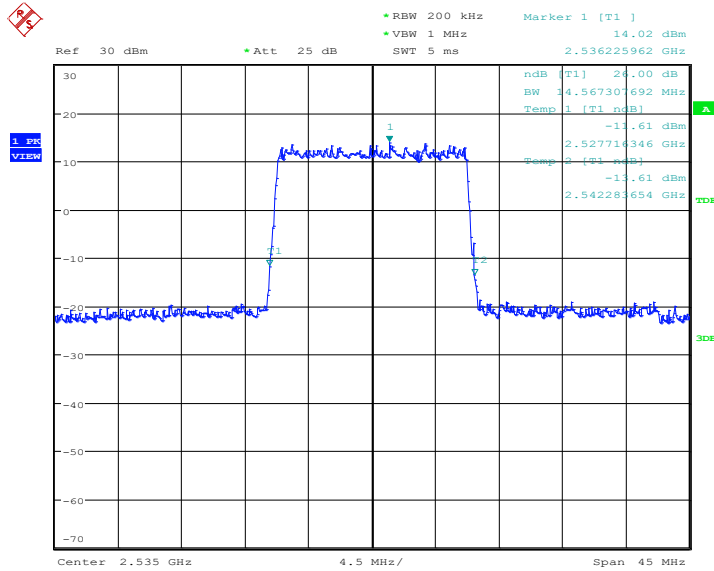
Date: 13.APR.2021 17:31:53



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

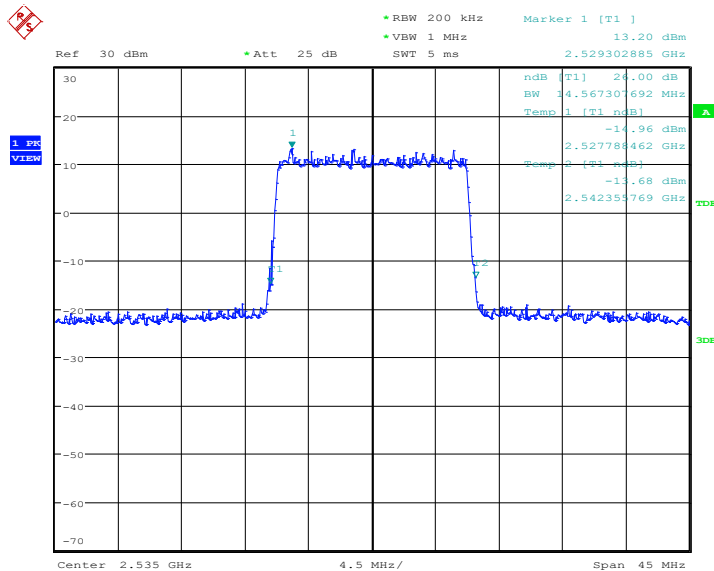
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2535.0	14567.31	14567.31	14567.31

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



Date: 13.APR.2021 15:42:32

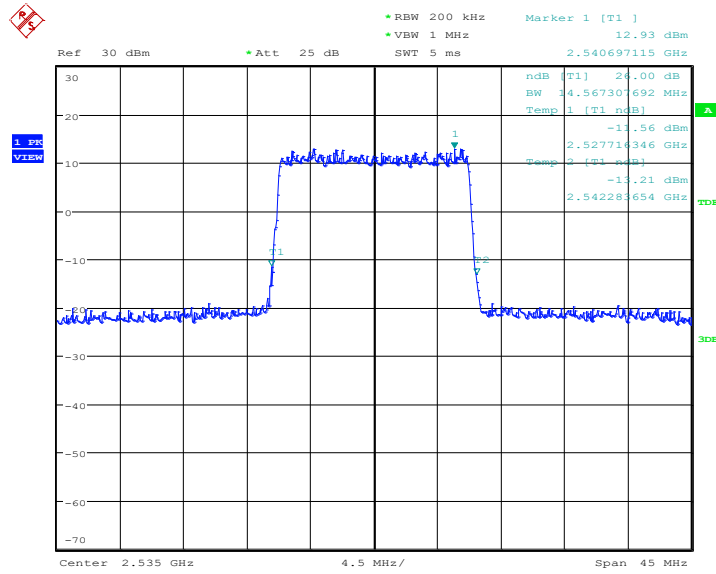
LTE band 7, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:42:48



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



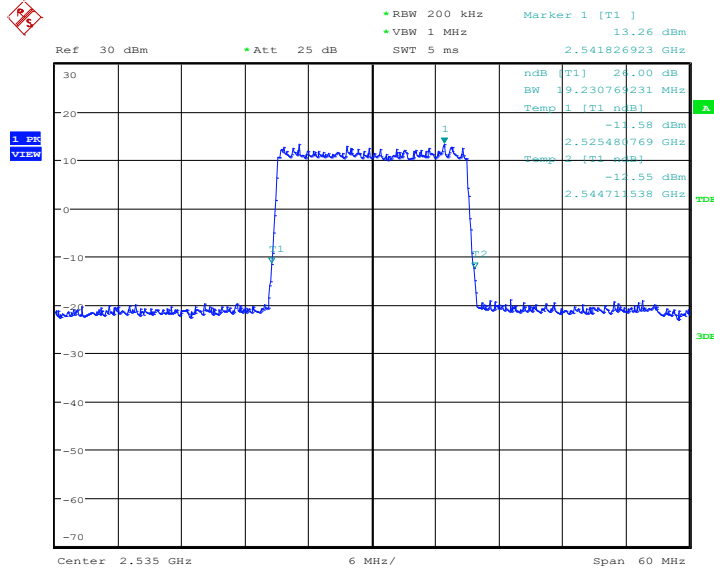
Date: 13.APR.2021 17:33:41



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

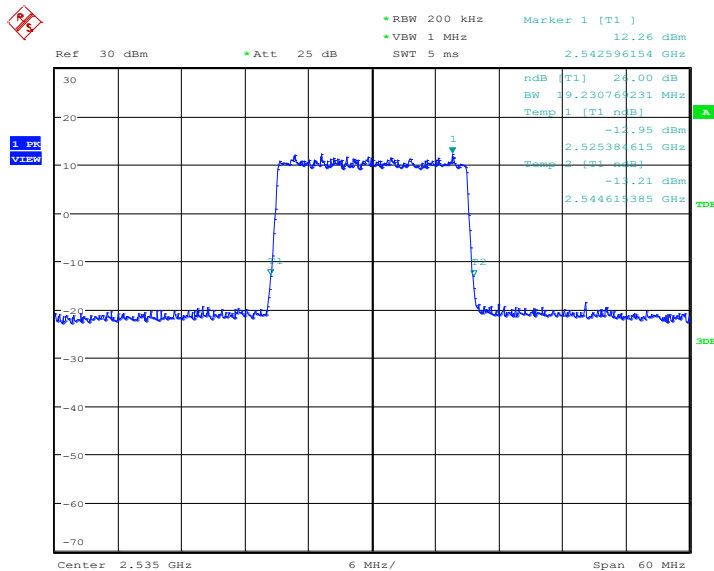
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	19230.77	19230.77	19230.77

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



Date: 13.APR.2021 15:44:50

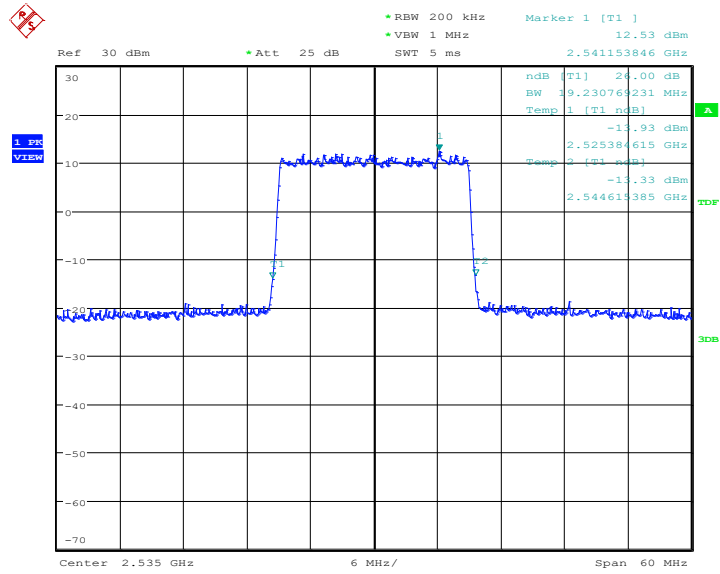
LTE band 7, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:45:06



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



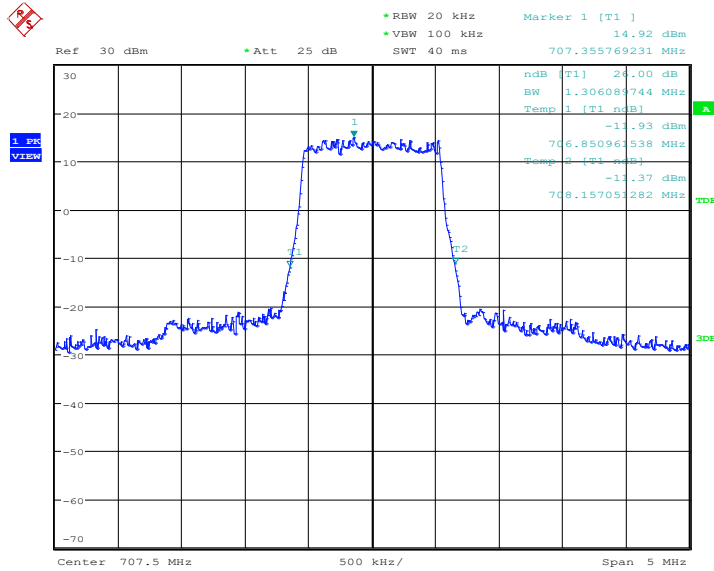
Date: 13.APR.2021 17:35:30

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

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

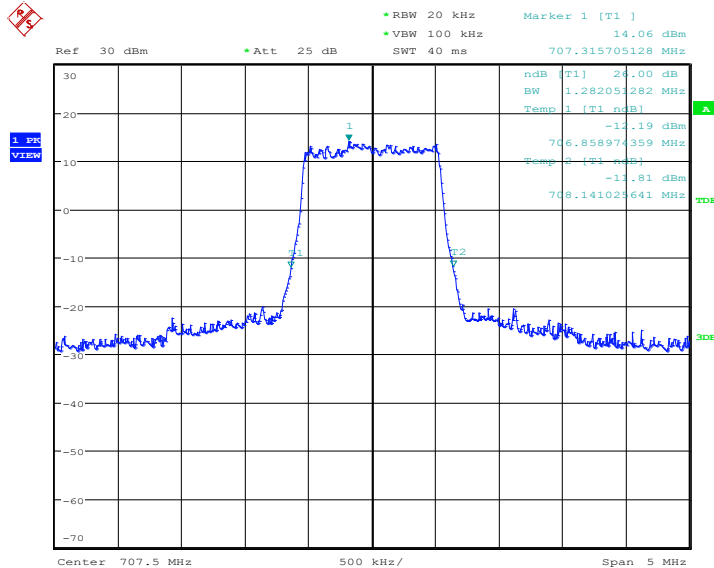
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
707.5	QPSK	16QAM	64QAM
	1306.09	1282.05	1282.05

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



Date: 13.APR.2021 16:33:13

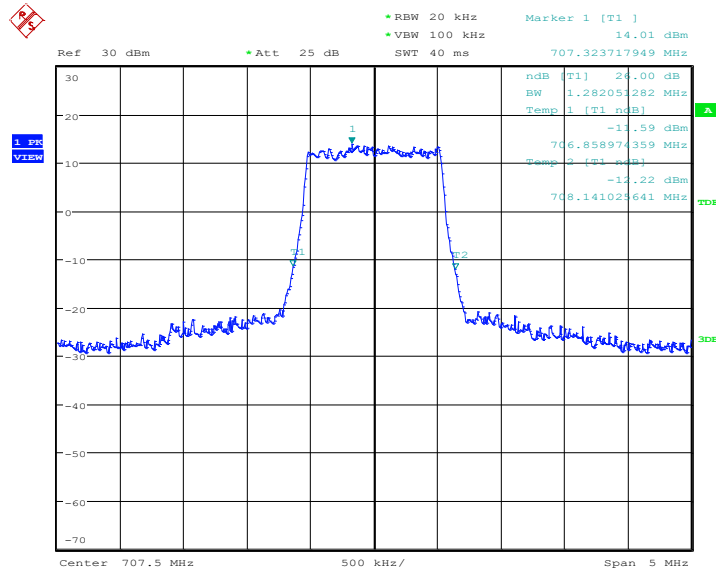
LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:33:29



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



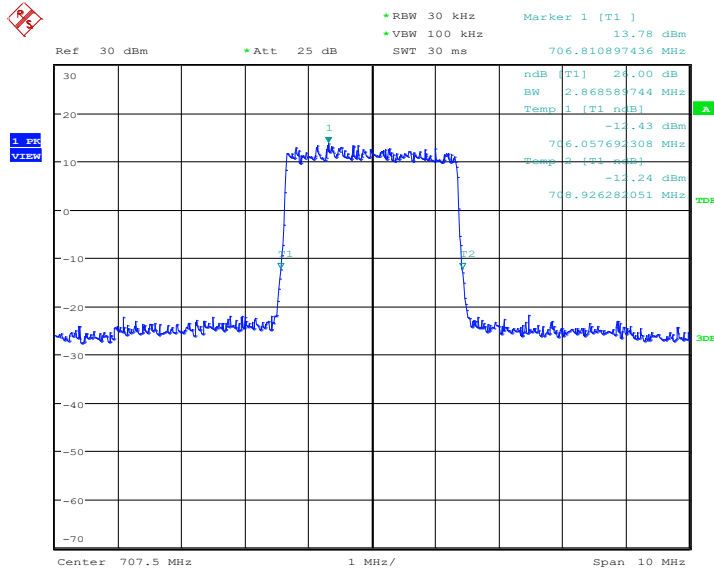
Date: 13.APR.2021 18:13:33



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

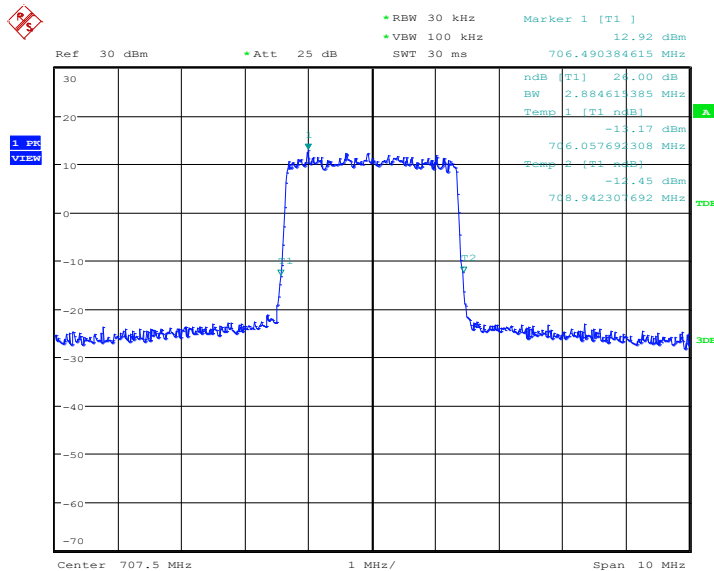
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	2868.59	2884.62	2884.62

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



Date: 13.APR.2021 16:35:31

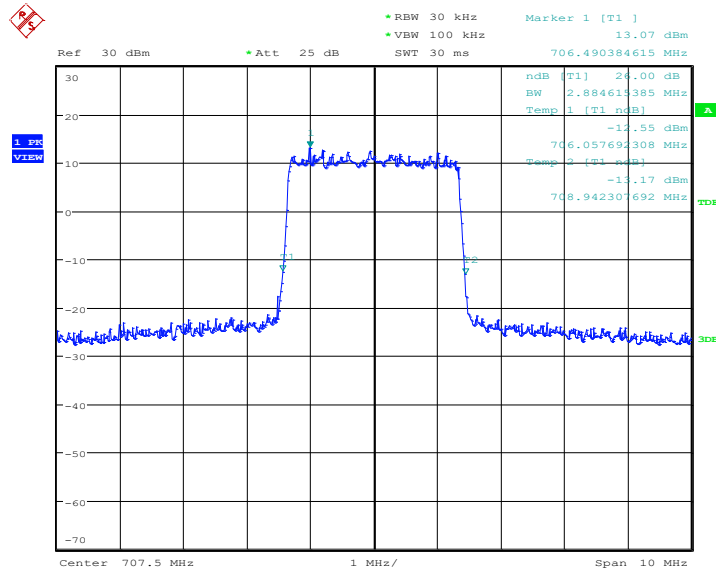
LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:35:47



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



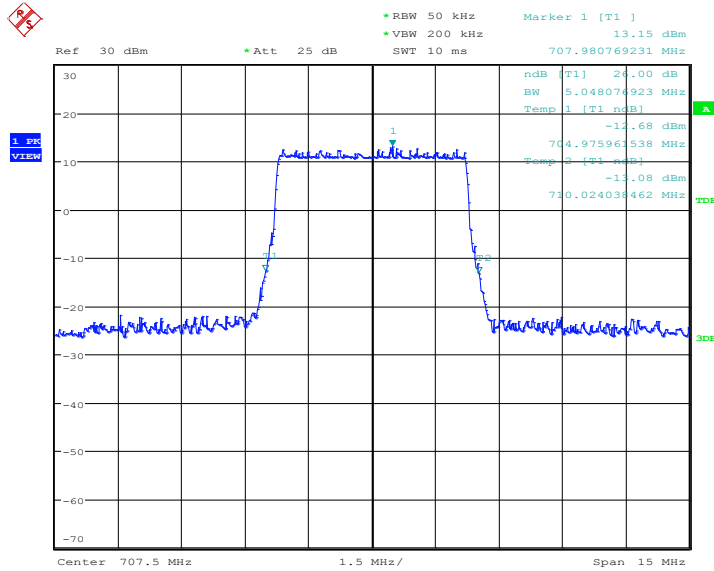
Date: 13.APR.2021 18:15:21



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

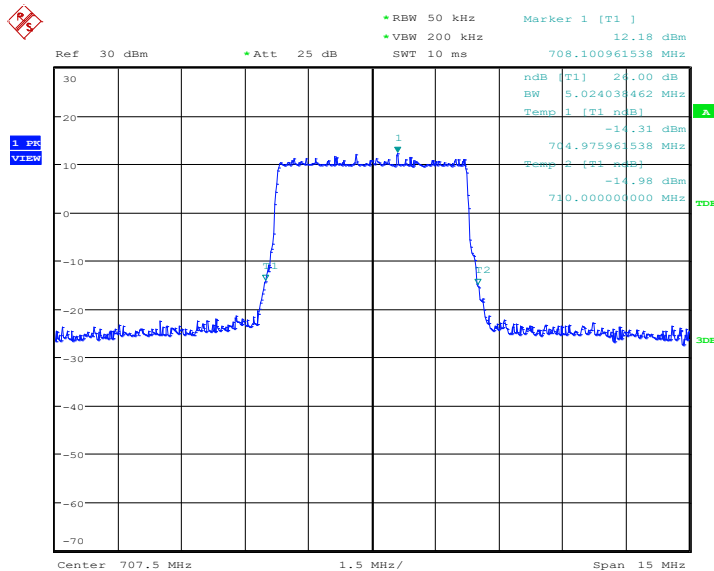
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
707.5	5048.08	5024.04	5048.08

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



Date: 13.APR.2021 16:37:48

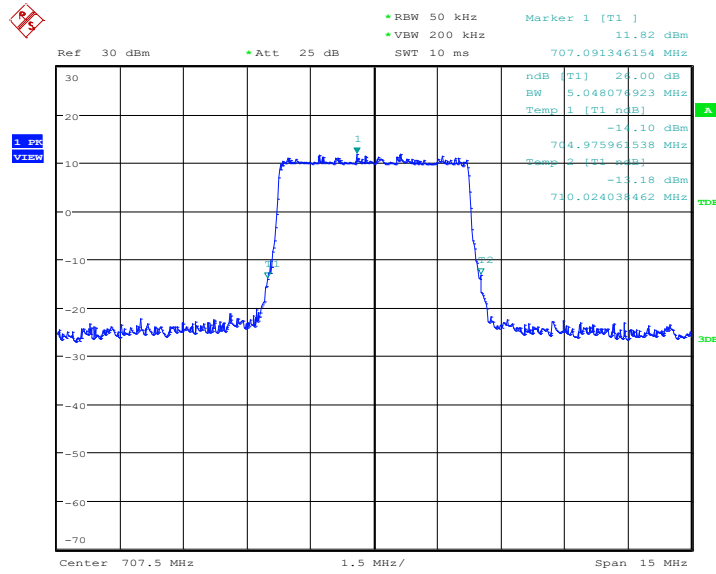
LTE band 12, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 16:38:04



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



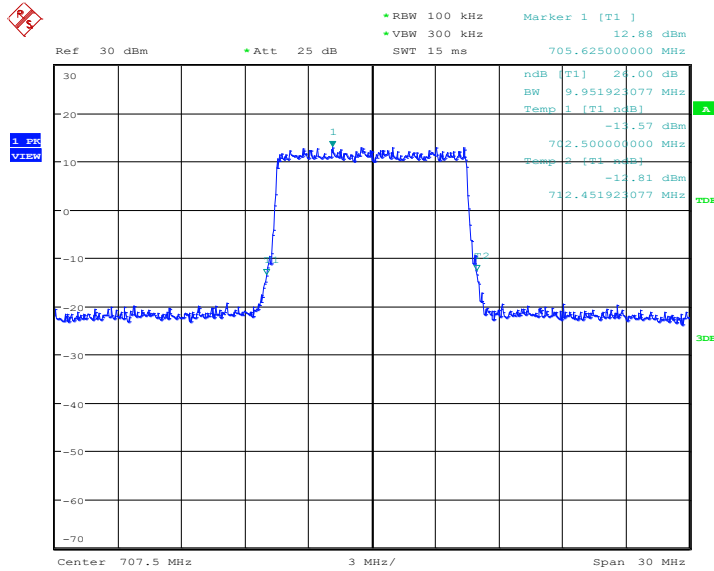
Date: 13.APR.2021 18:17:09



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

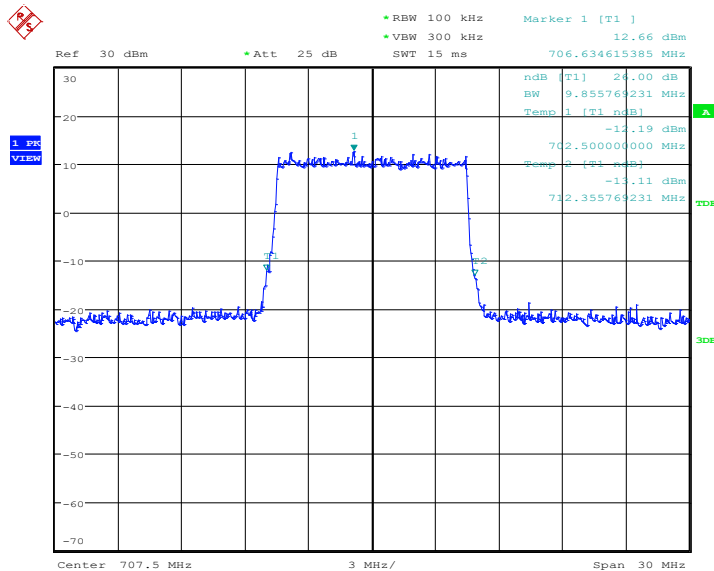
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	707.5	QPSK	16QAM
9951.92		9855.77	9951.92

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



Date: 13.APR.2021 16:40:06

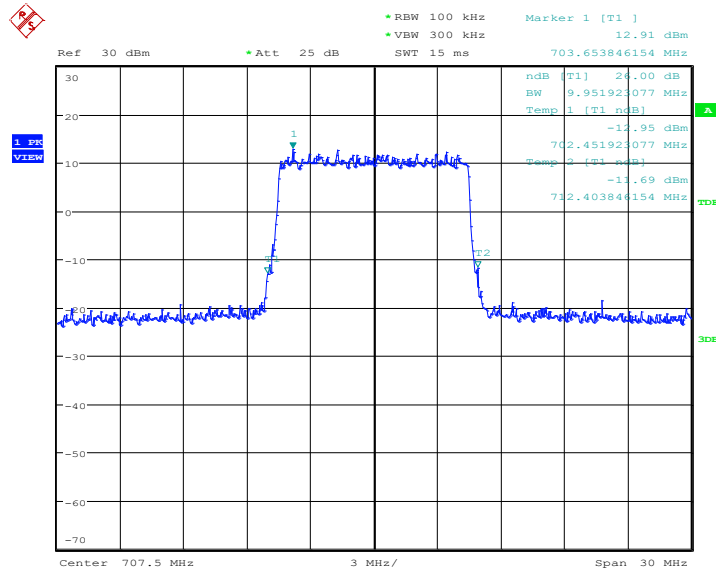
LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:40:22



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

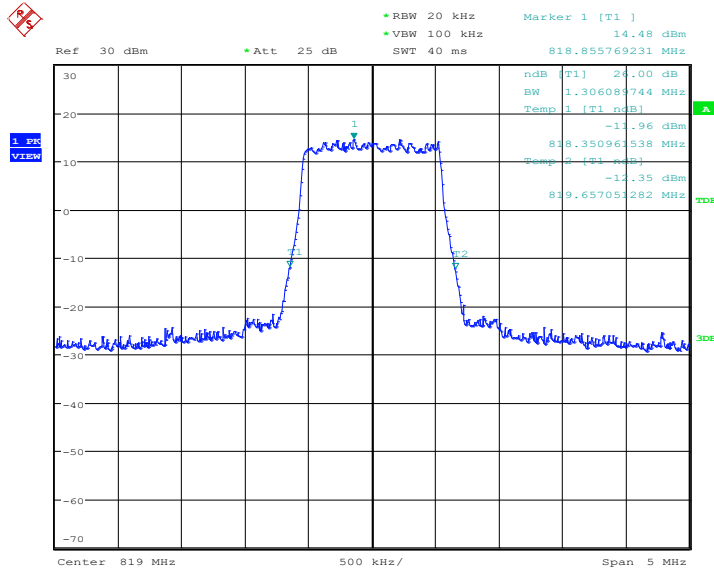


Date: 13.APR.2021 18:18:57

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

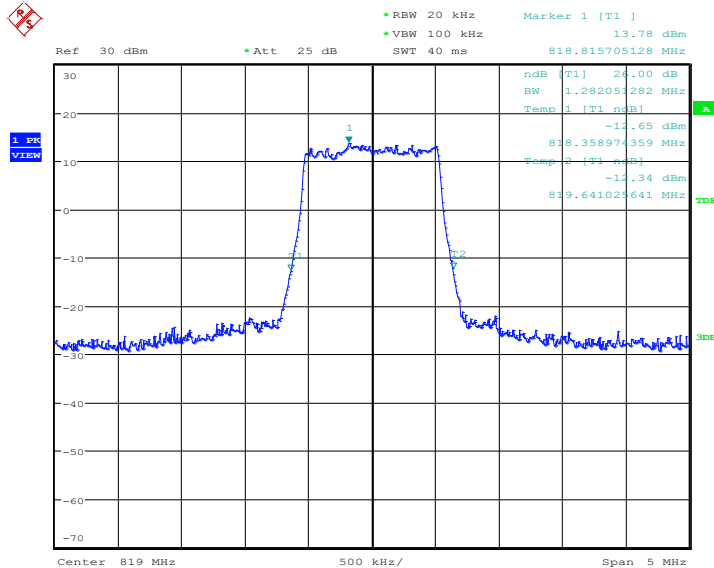
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1306.09	1282.05	1282.05

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



Date: 13.APR.2021 17:05:31

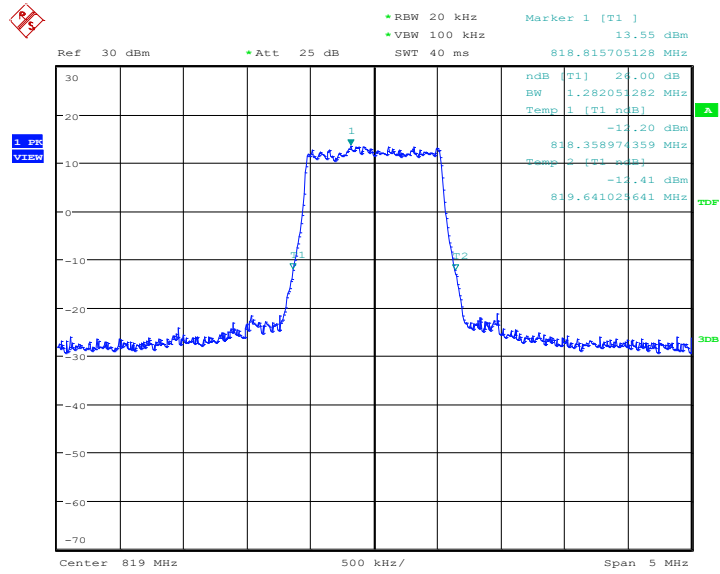
LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:05:47



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



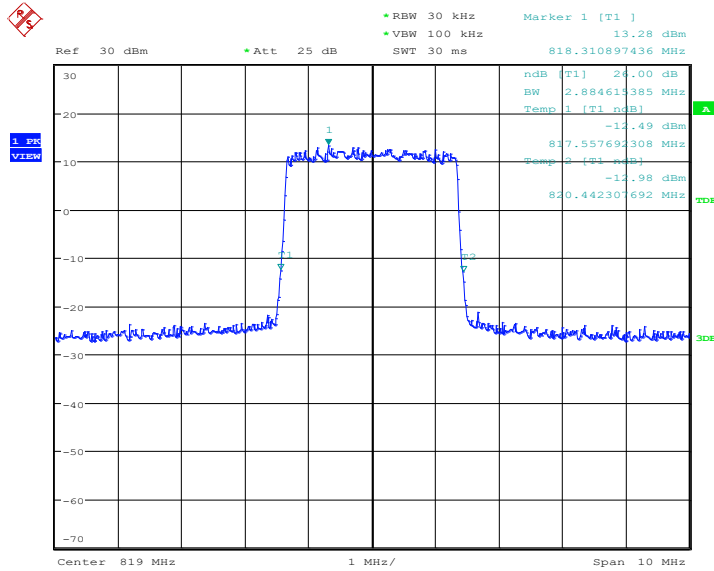
Date: 13.APR.2021 18:38:55



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

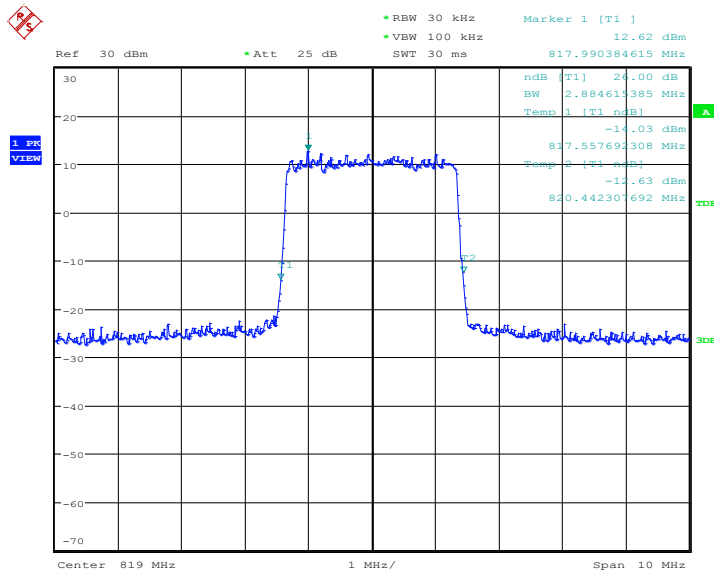
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	2884.62	2884.62	2884.62

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



Date: 13.APR.2021 17:07:49

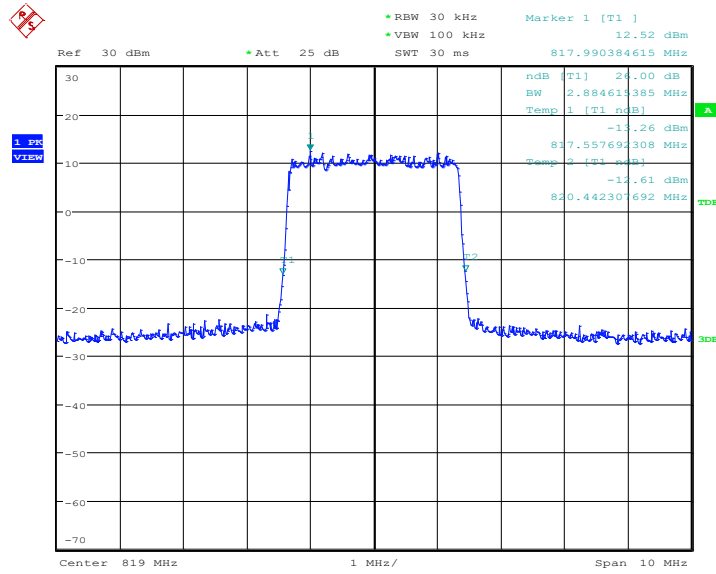
LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:08:04



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



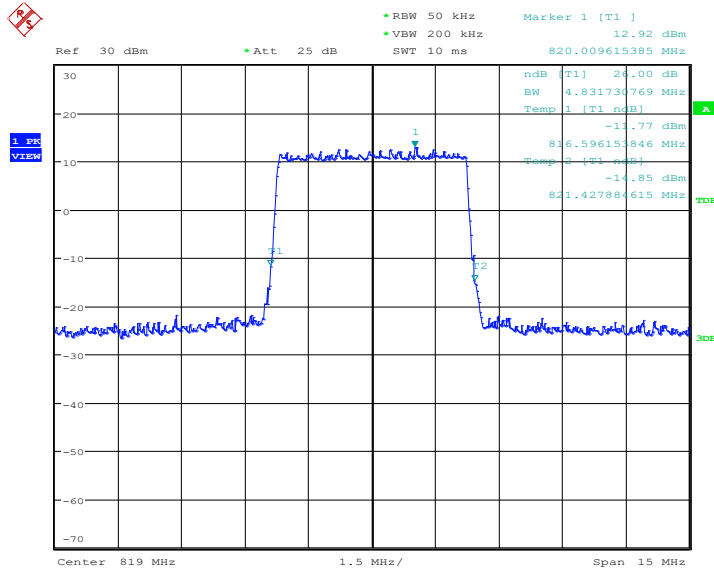
Date: 13.APR.2021 18:40:43



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

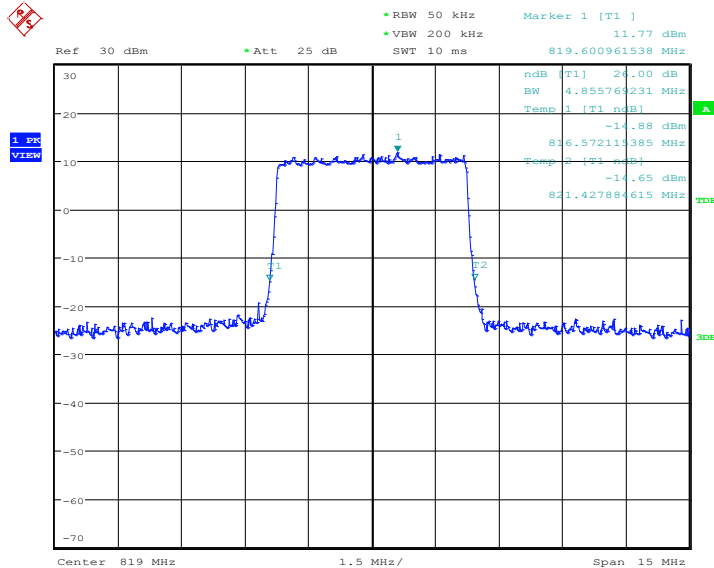
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	4831.73	4855.77	4855.77

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



Date: 13.APR.2021 17:10:06

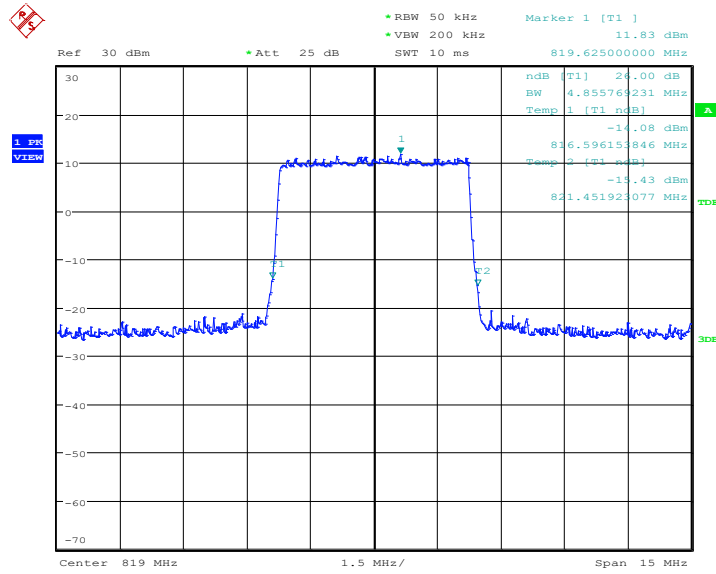
LTE band 26(814MHz-824MHz), 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 17:10:22



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



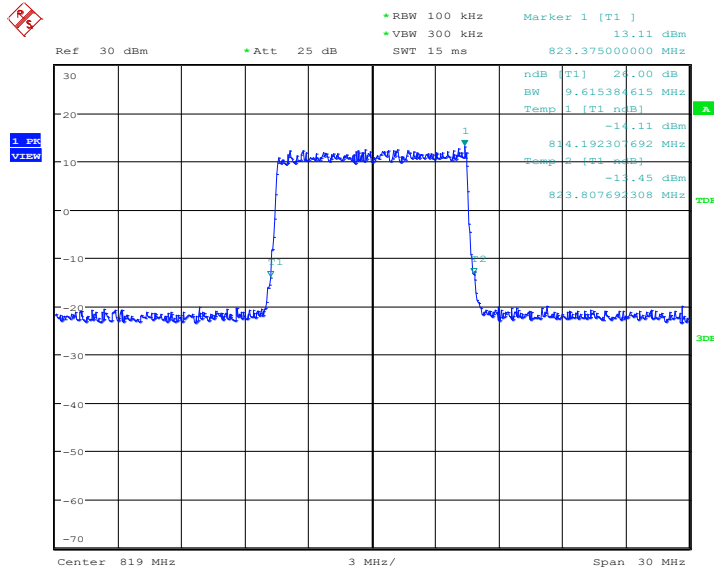
Date: 13.APR.2021 18:42:31



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

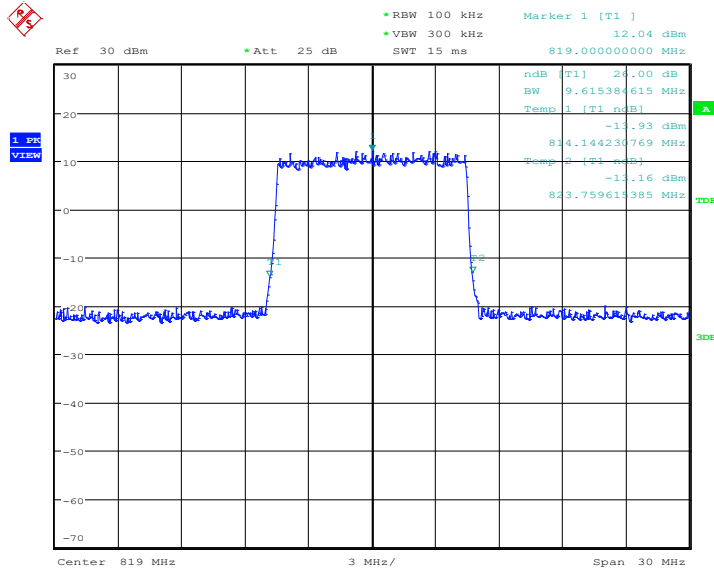
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	9615.38	9615.38	9615.38

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



Date: 13.APR.2021 17:12:24

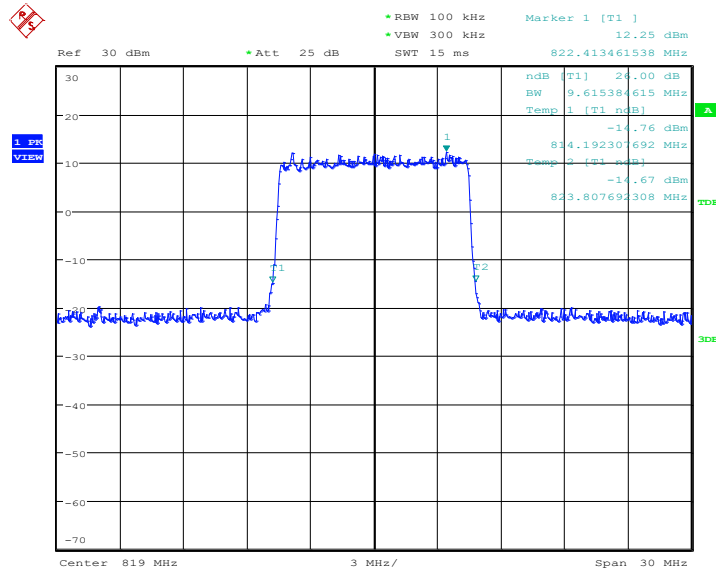
LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:12:40



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

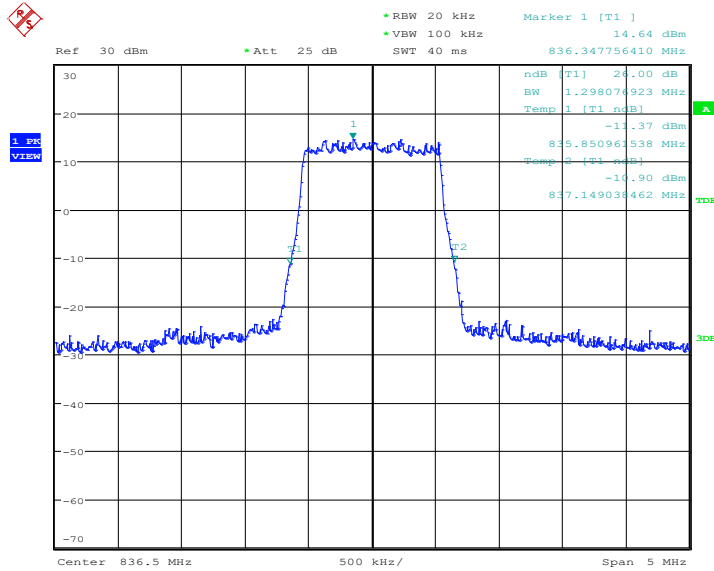


Date: 13.APR.2021 18:44:19

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

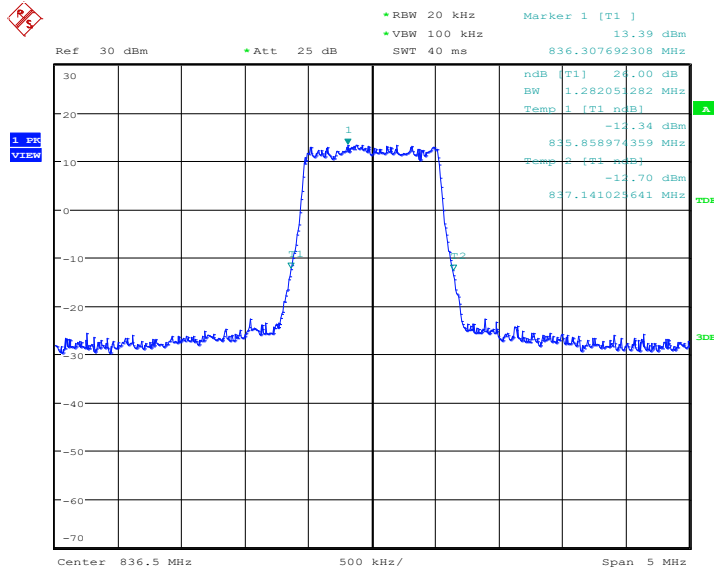
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	1298.08	1282.05	1282.05

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



Date: 13.APR.2021 16:54:01

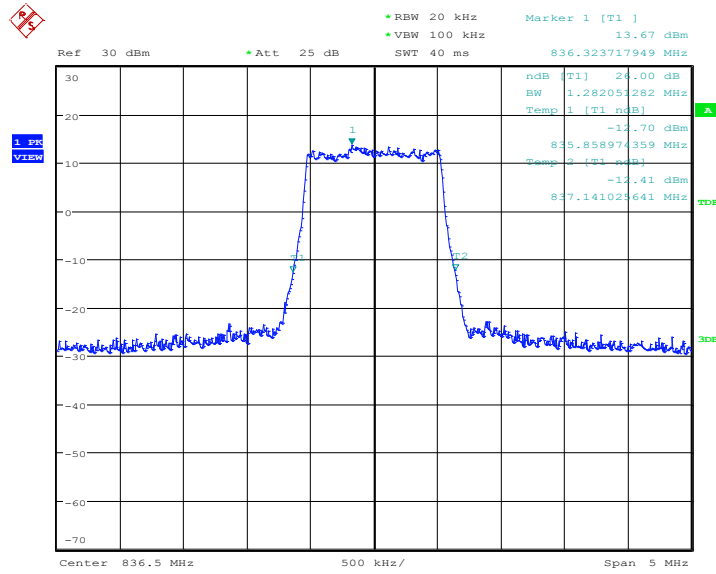
LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:54:16



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



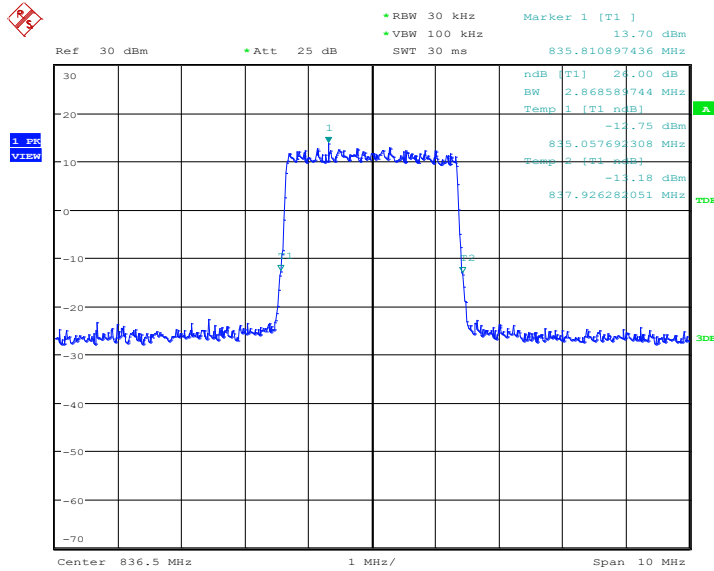
Date: 13.APR.2021 18:29:52



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

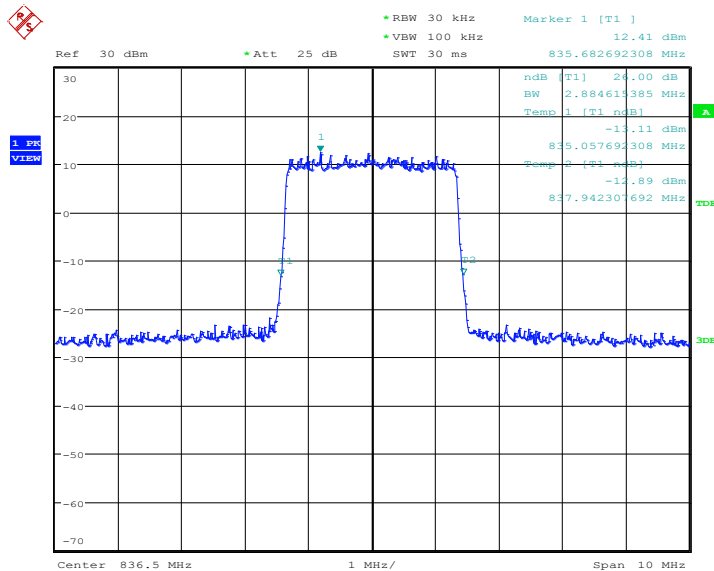
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	836.5	QPSK	16QAM
2868.59		2884.62	2900.64

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



Date: 13.APR.2021 16:56:18

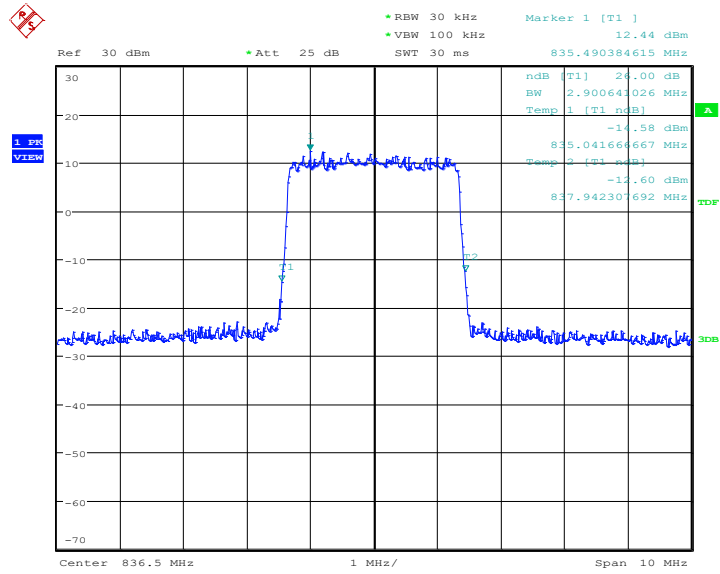
LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 16:56:34



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

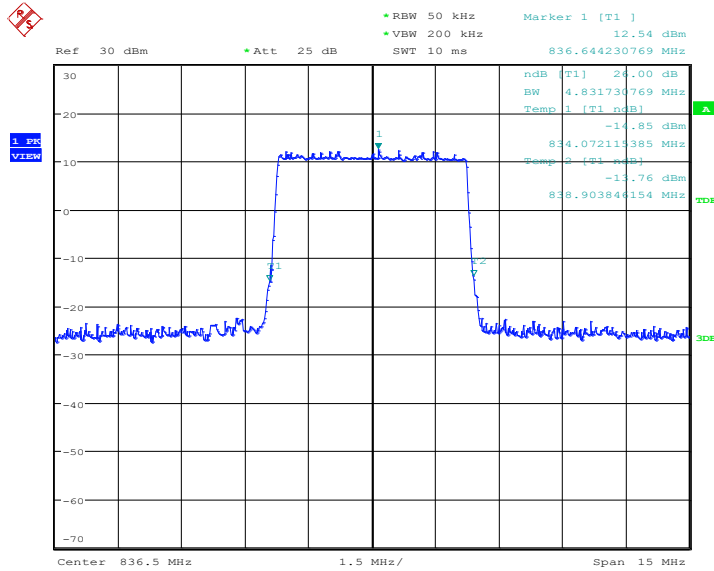


Date: 13.APR.2021 18:31:40

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

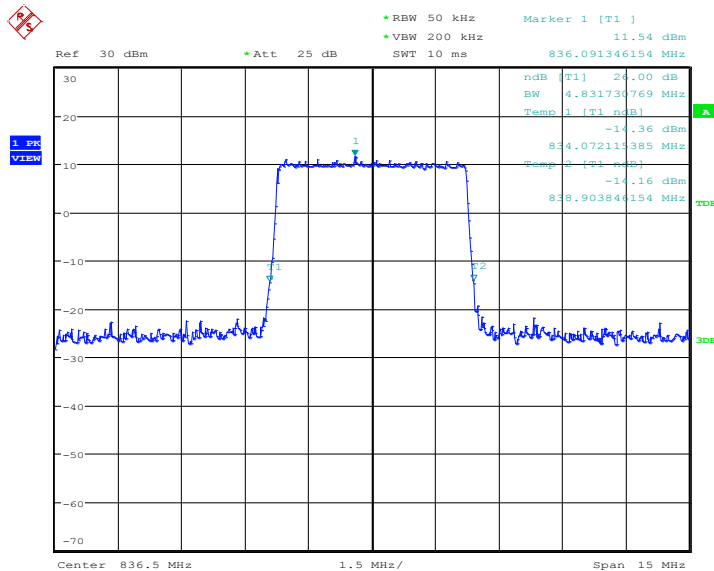
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
836.5	QPSK	16QAM	64QAM
	4831.73	4831.73	4807.69

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



Date: 13.APR.2021 16:58:36

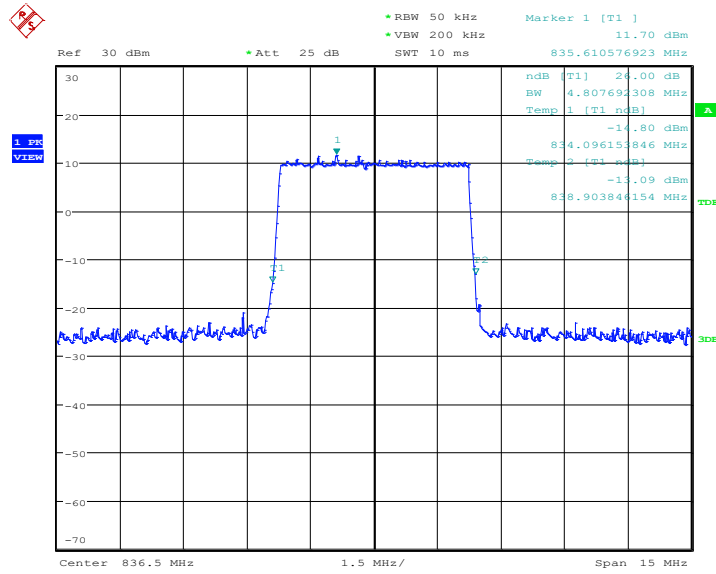
LTE band 26(824MHz-849MHz), 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 16:58:51



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

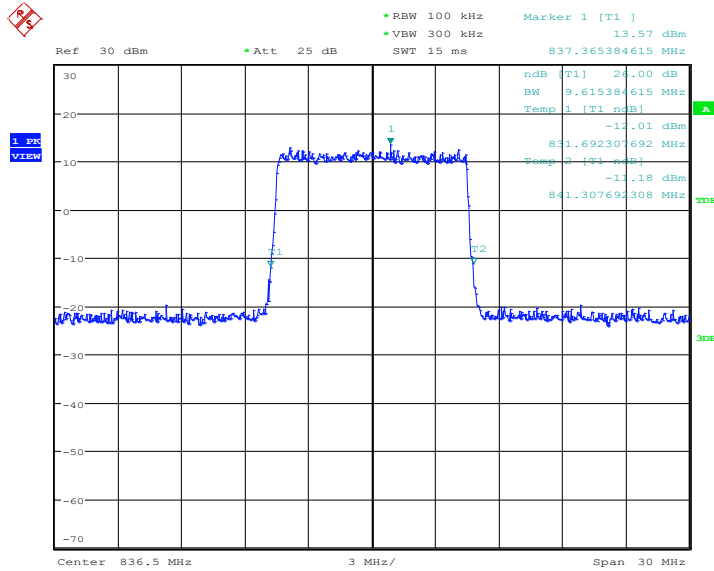


Date: 13.APR.2021 18:33:28

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

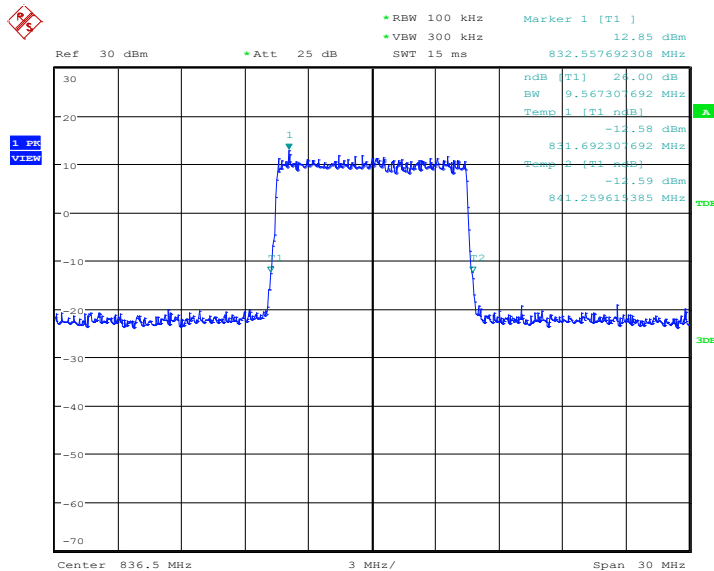
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	836.5	QPSK	16QAM
	9615.38	9567.31	9567.31

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



Date: 13.APR.2021 17:00:54

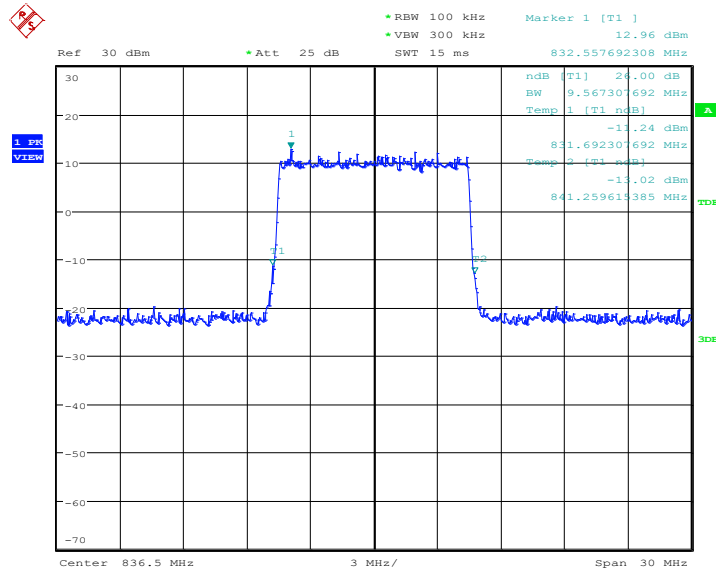
LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:01:09



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



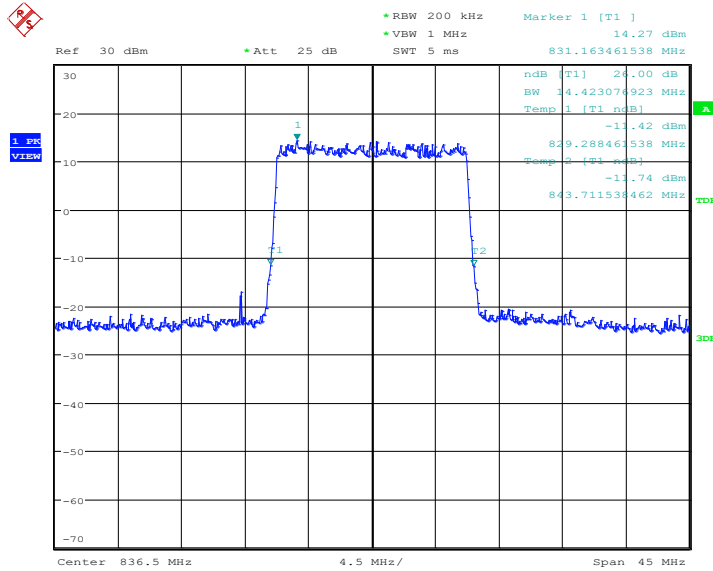
Date: 13.APR.2021 18:35:17



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

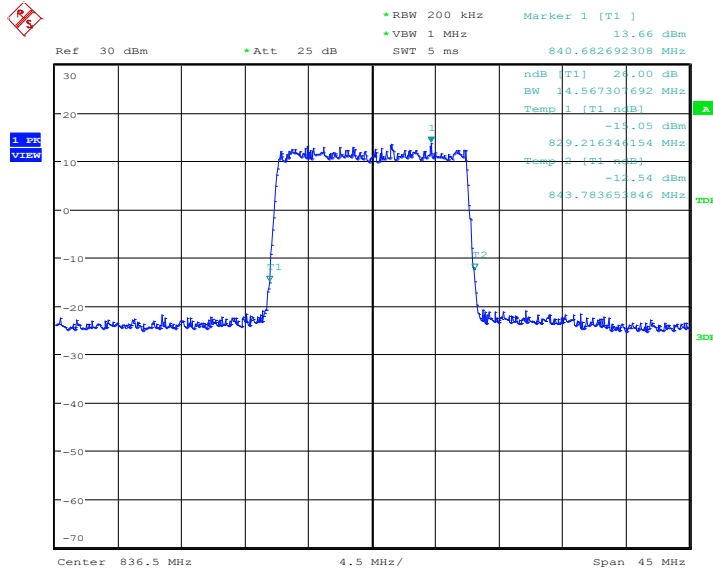
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
836.5	14423.08	14567.31	14567.31

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



Date: 13.APR.2021 17:03:12

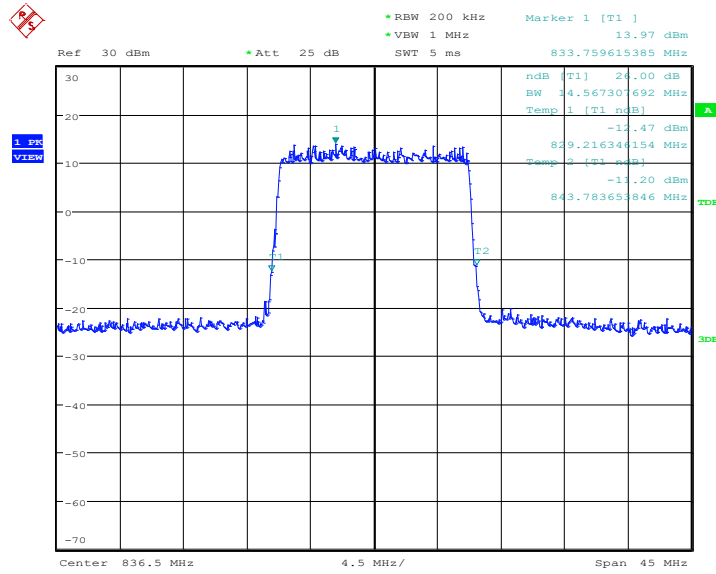
LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:03:27



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

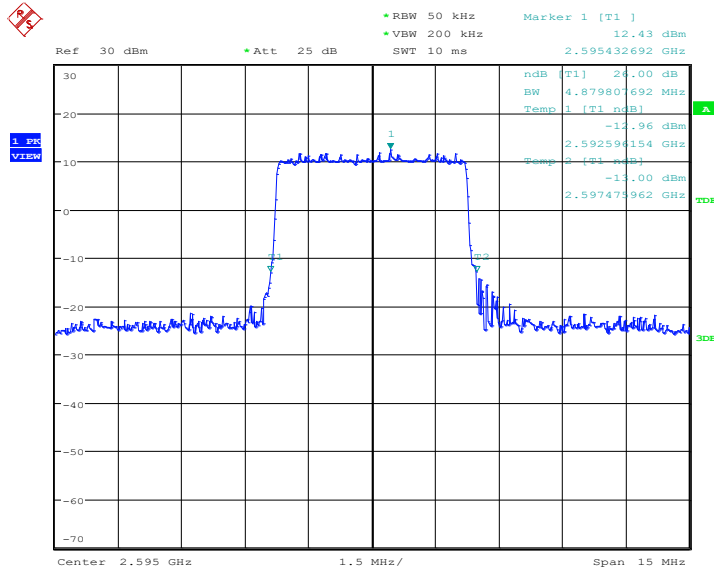


Date: 13.APR.2021 18:37:05

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

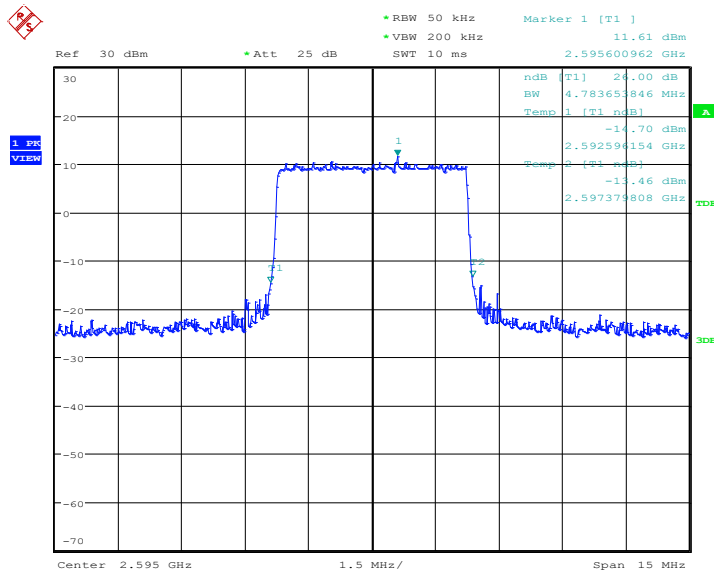
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	4879.81	4783.65	4927.88

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



Date: 13.APR.2021 15:47:11

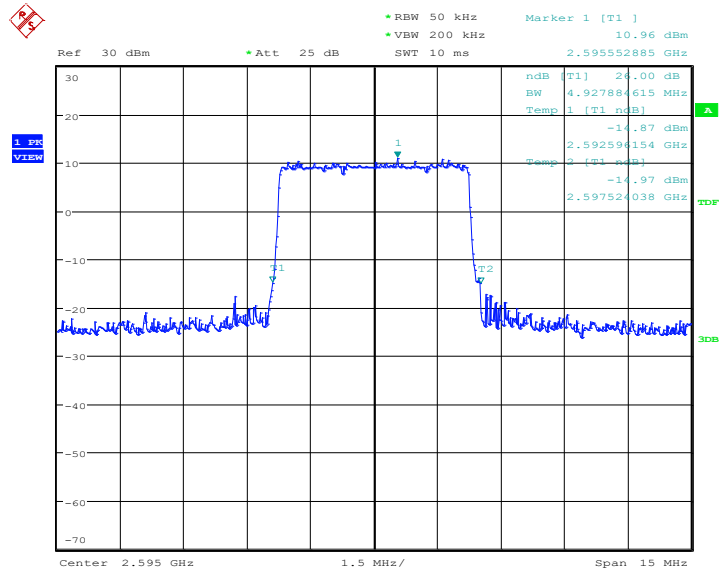
LTE band 41, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:47:26



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

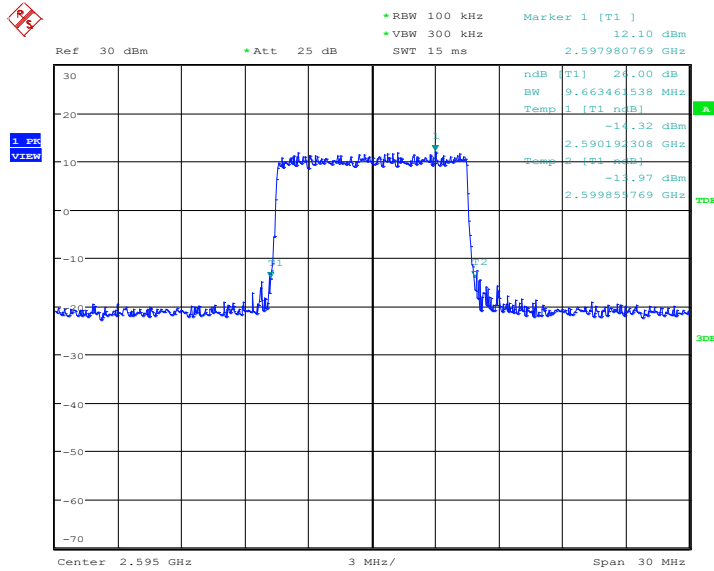


Date: 13.APR.2021 17:37:20

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

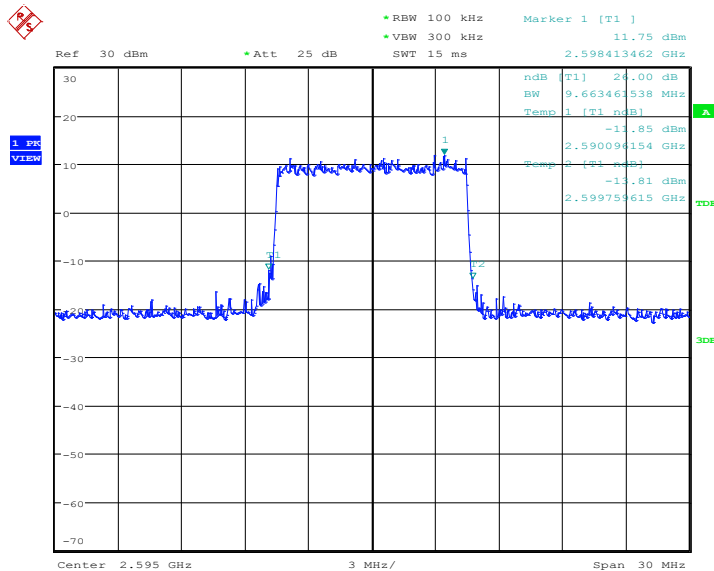
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
2593.0	QPSK	16QAM	64QAM
	9663.46	9663.46	9759.62

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



Date: 13.APR.2021 15:49:28

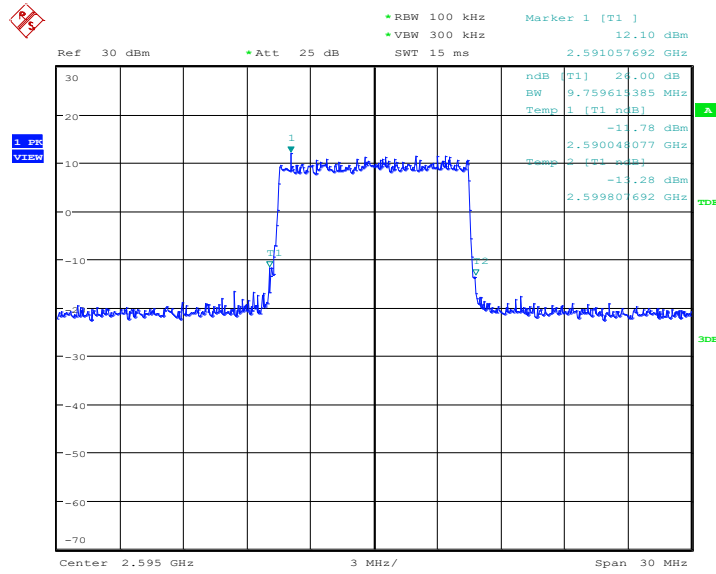
LTE band 41, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:49:44



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

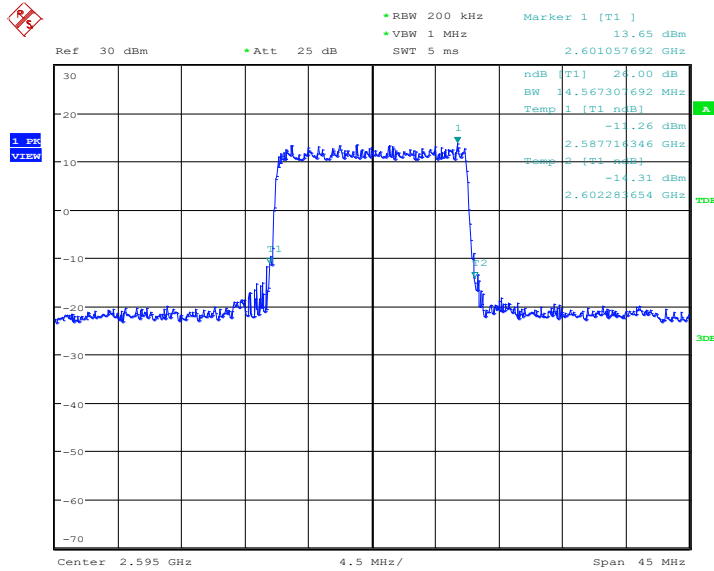


Date: 13.APR.2021 17:39:08

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

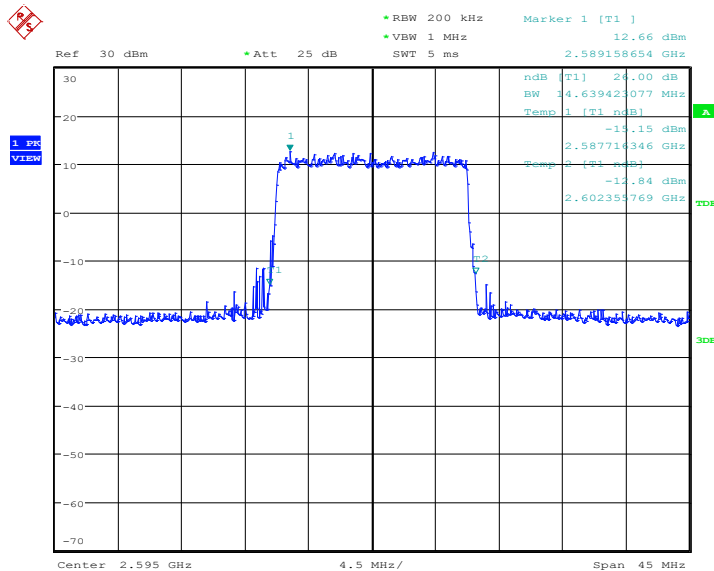
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	14567.31	14639.42	14639.42

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



Date: 13.APR.2021 15:51:46

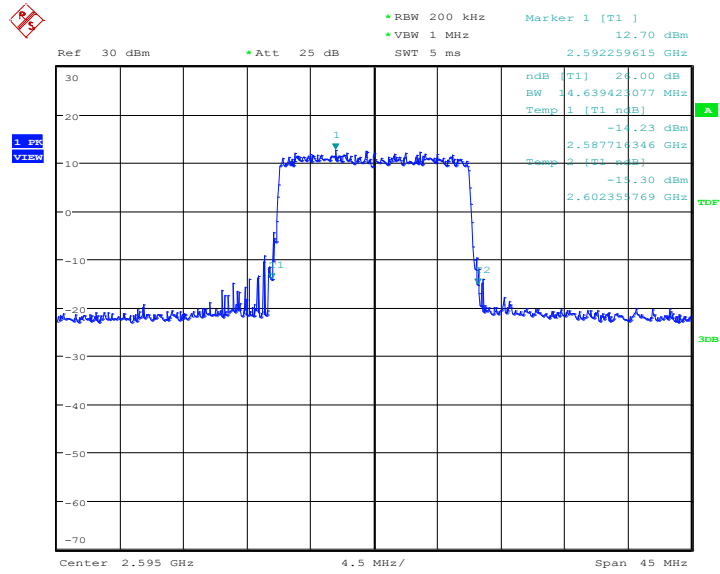
LTE band 41, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:52:02



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

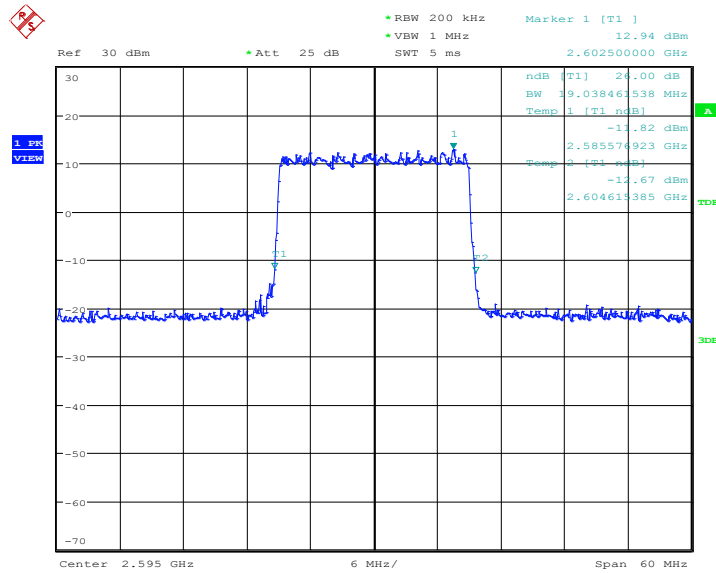


Date: 13.APR.2021 17:40:56

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

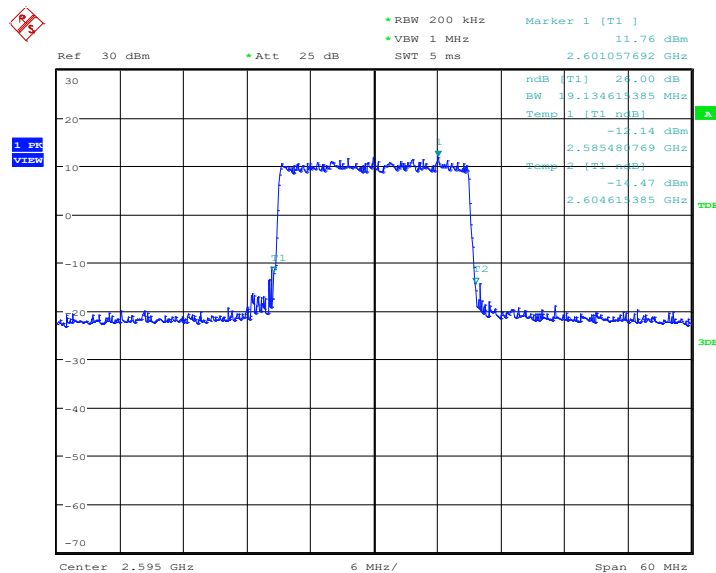
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
2593.0	19038.46	19134.62	19038.46

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



Date: 13.APR.2021 15:54:04

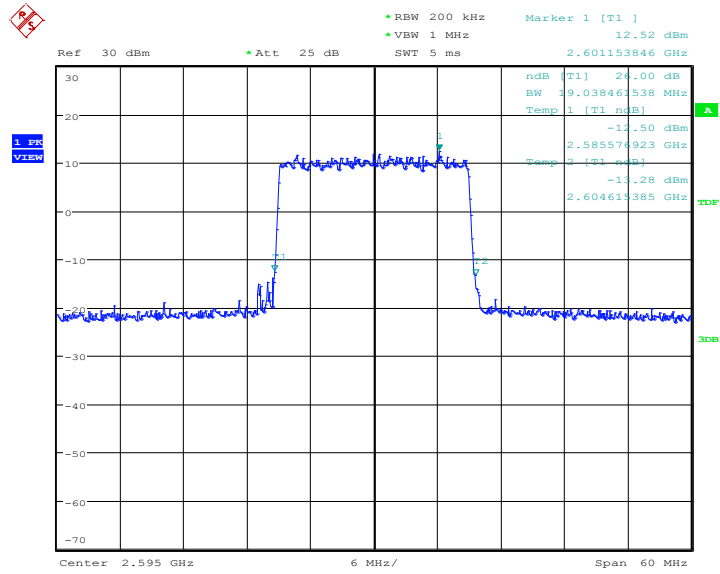
LTE band 41, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 15:54:20



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



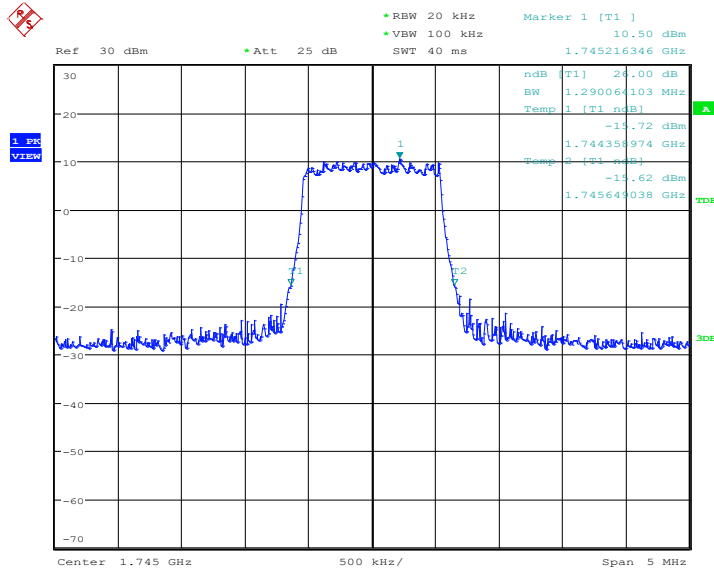
Date: 13.APR.2021 17:42:45



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

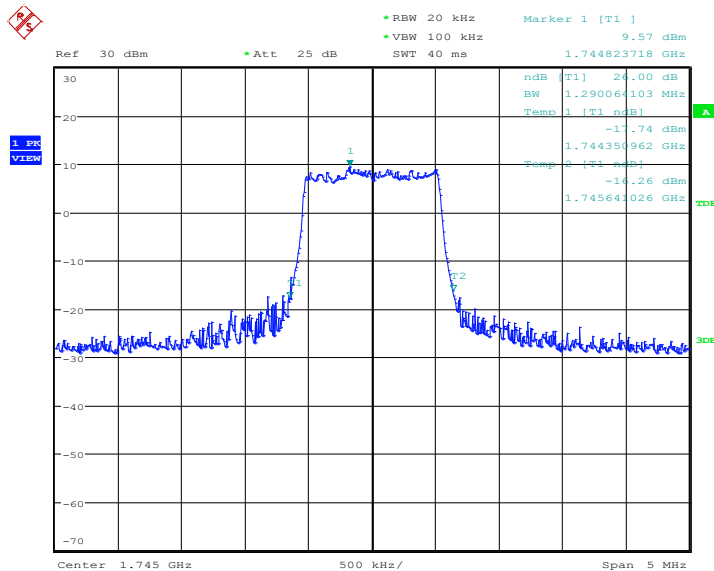
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	1290.06	1290.06	1274.04

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



Date: 13.APR.2021 17:14:43

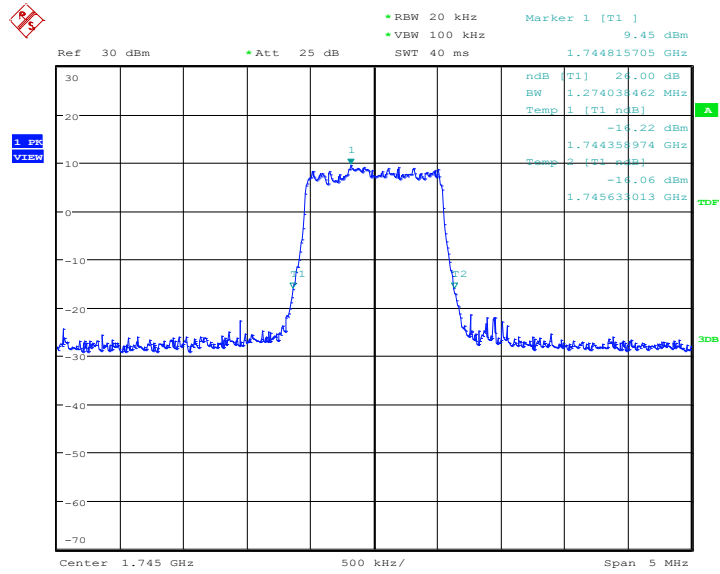
LTE band 66, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:14:59



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



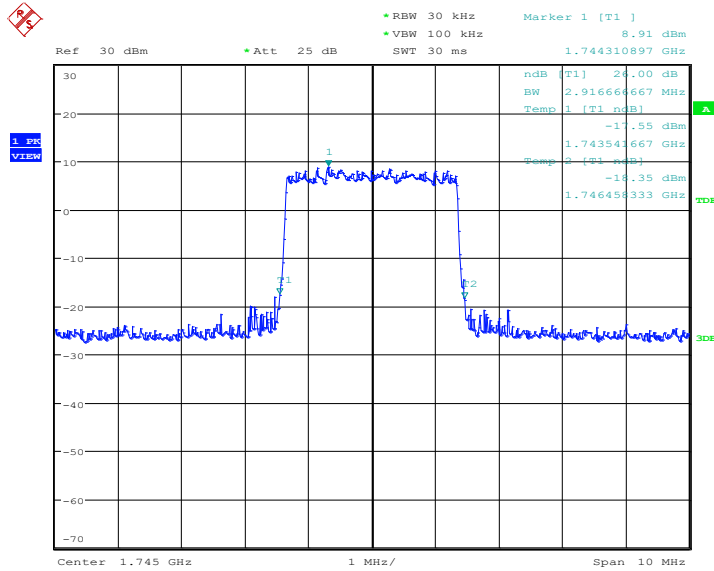
Date: 13.APR.2021 18:46:14



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

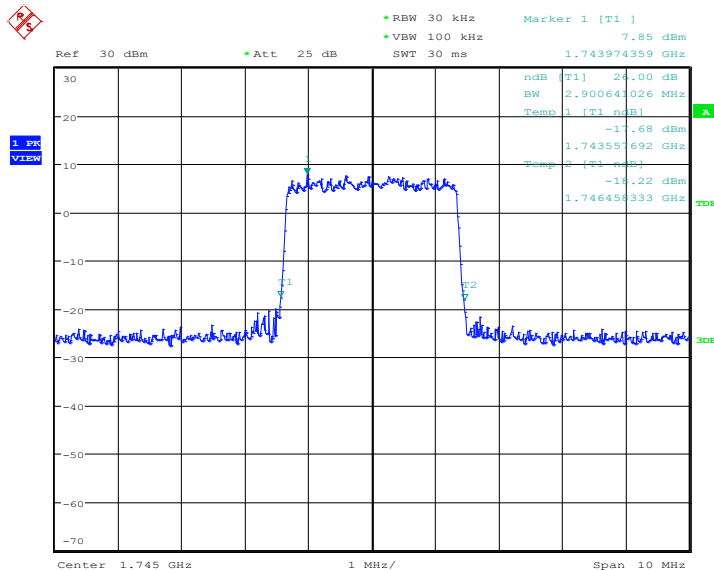
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	2916.67	2900.64	2900.64

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



Date: 13.APR.2021 17:17:01

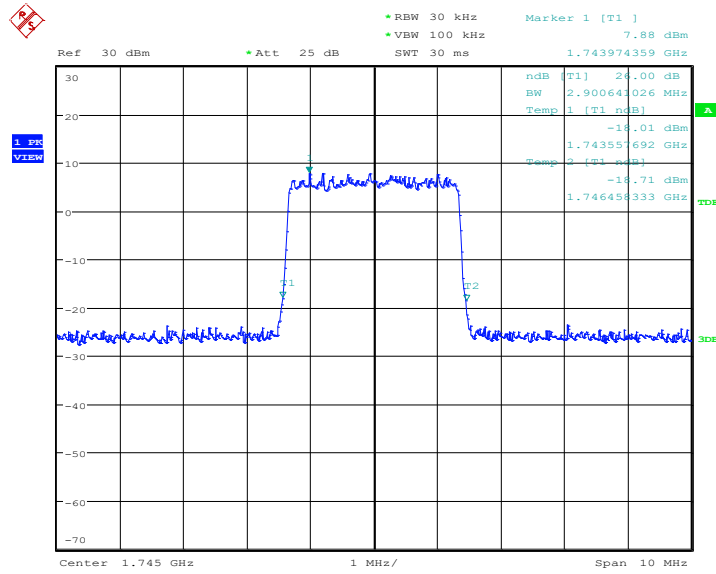
LTE band 66, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:17:17



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



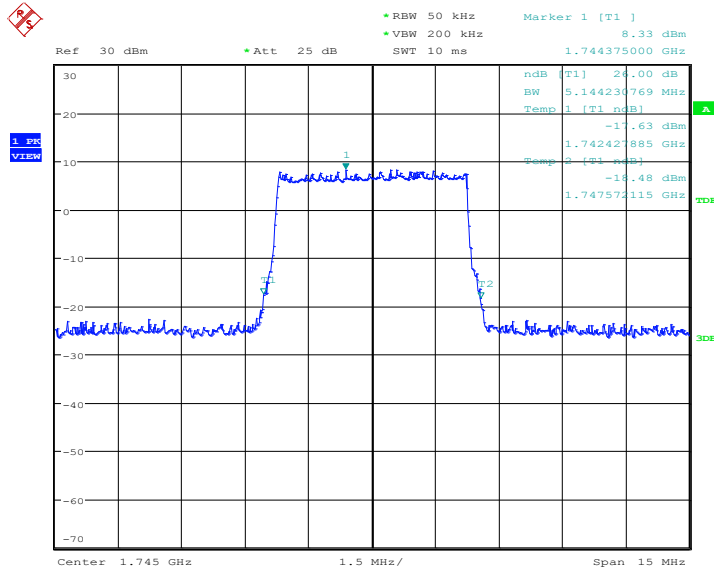
Date: 13.APR.2021 18:48:03



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

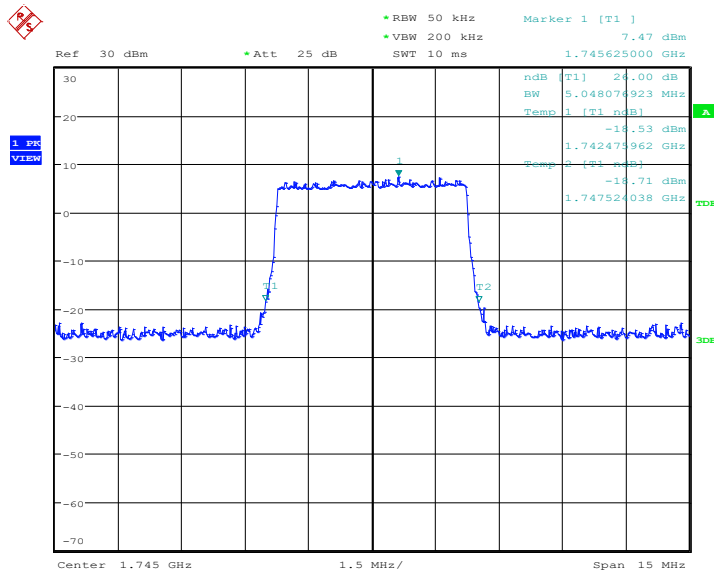
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	5144.23	5048.08	5024.04

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



Date: 13.APR.2021 17:19:19

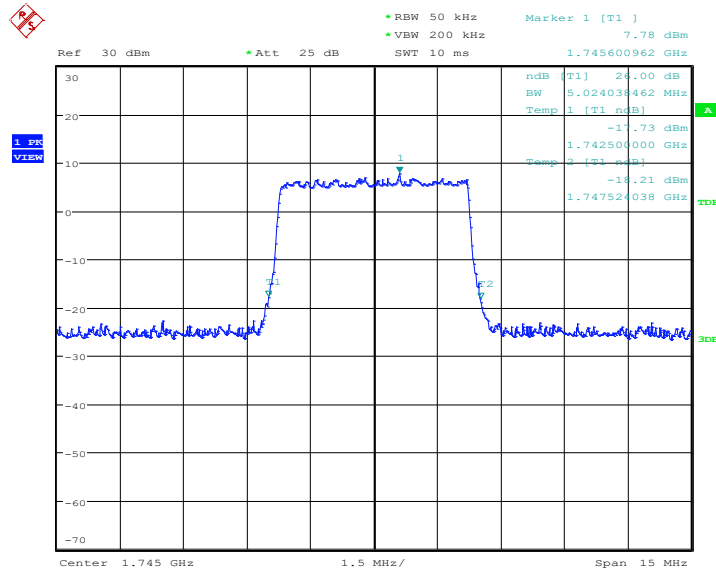
LTE band 66, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 13.APR.2021 17:19:34



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



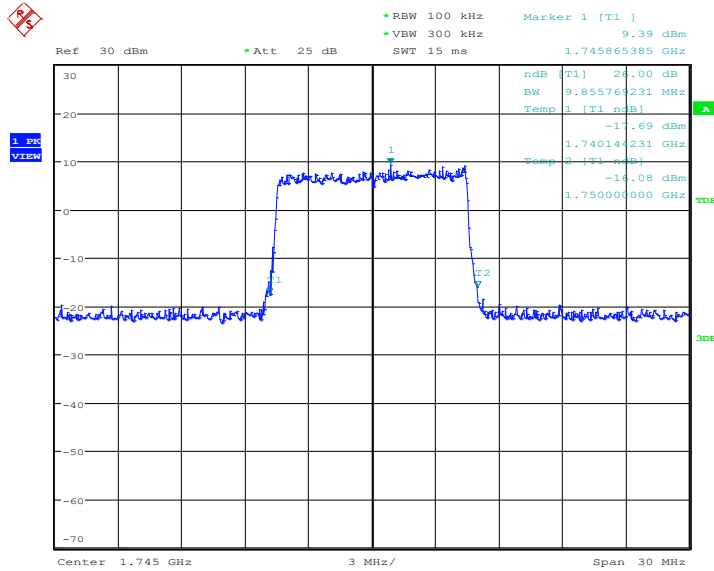
Date: 13.APR.2021 18:49:51



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

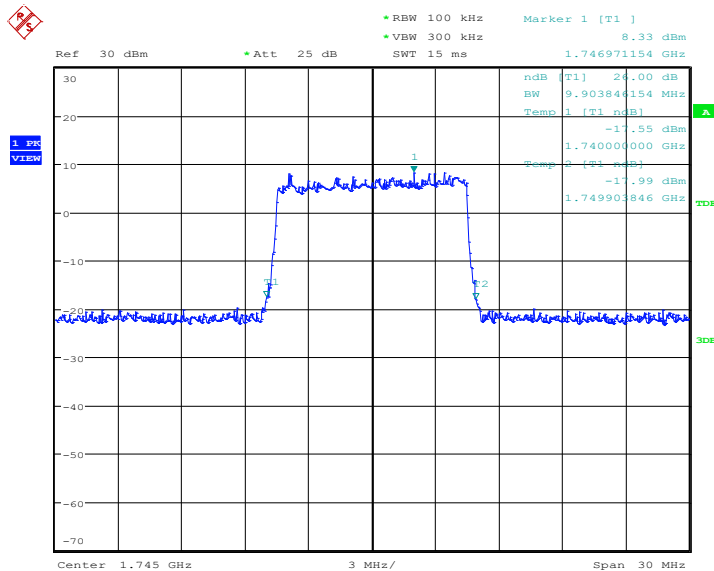
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
1745.0	QPSK	16QAM	64QAM
	9855.77	9903.85	9903.85

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



Date: 13.APR.2021 17:21:36

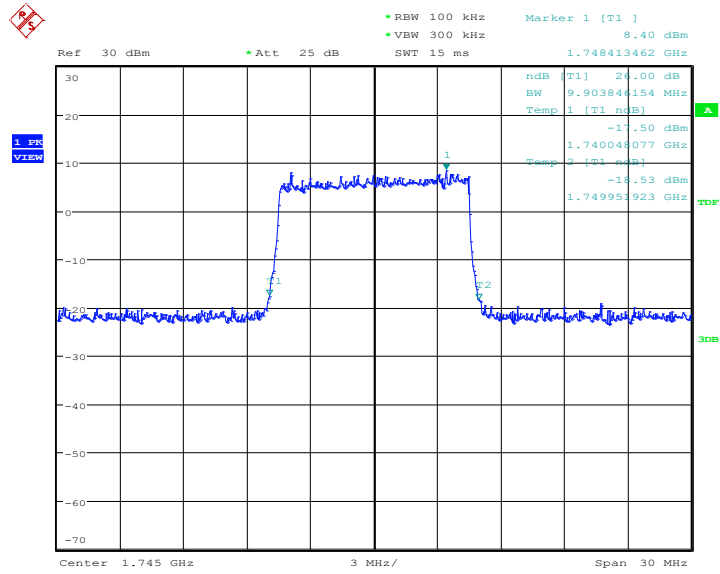
LTE band 66, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:21:52



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



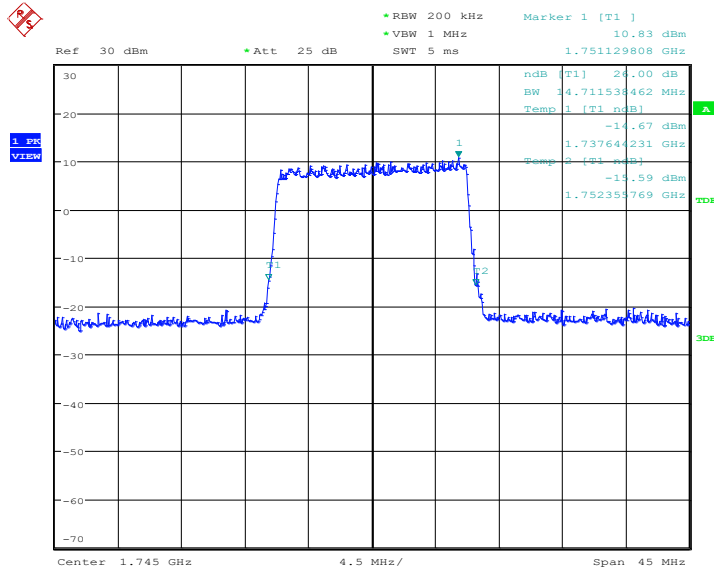
Date: 13.APR.2021 18:51:39



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

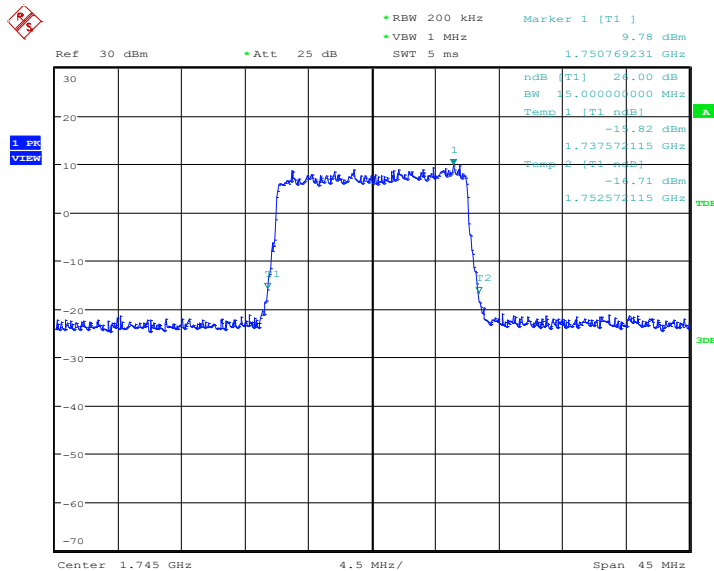
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	14711.54	15000.00	15000.00

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



Date: 13.APR.2021 17:23:54

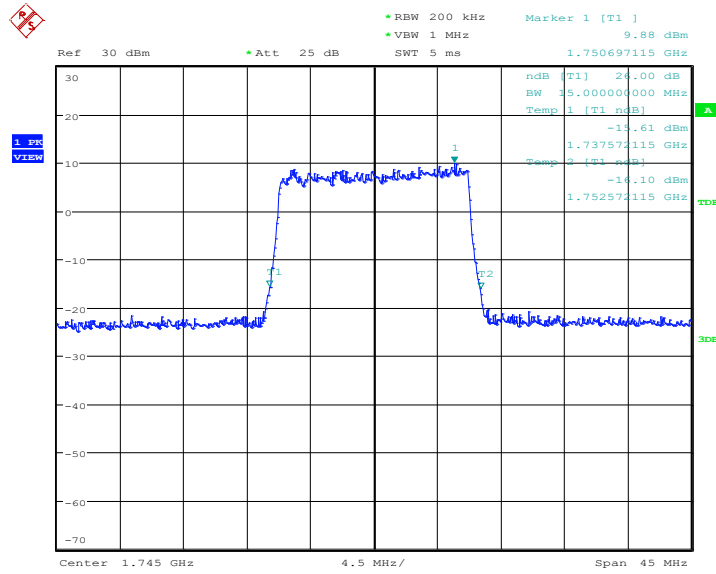
LTE band 66, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:24:10



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

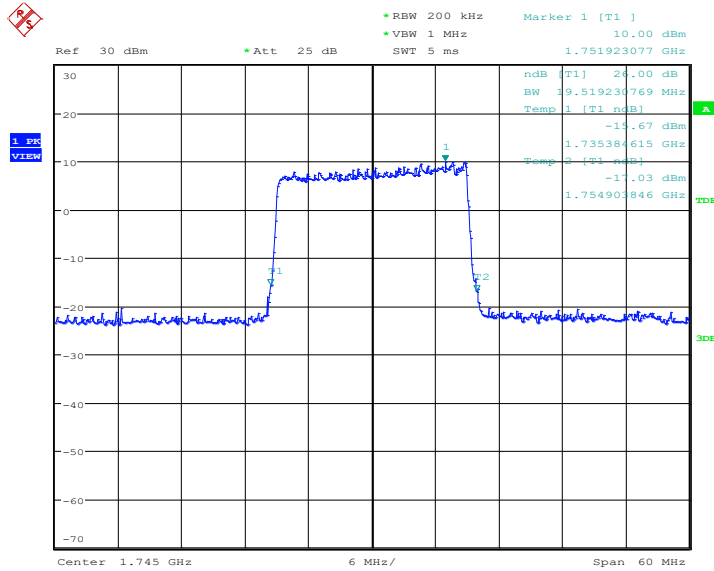


Date: 13.APR.2021 18:53:27

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

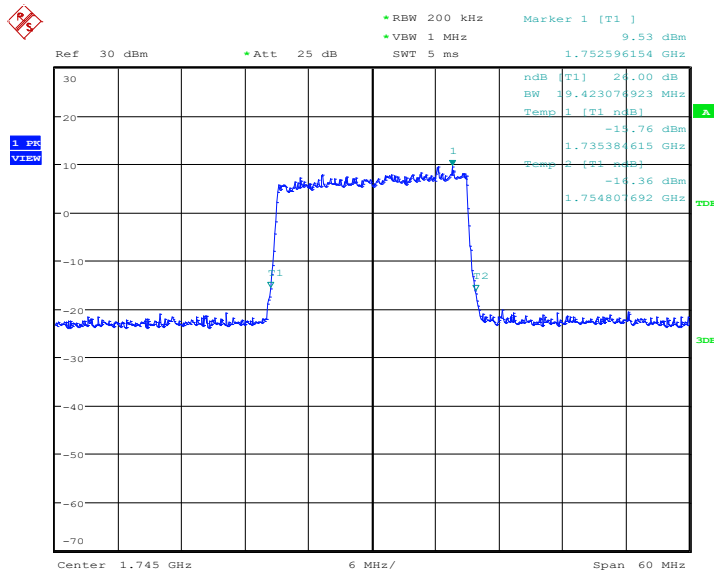
Frequency(MHz)	Emission Bandwidth (-26dBc BW)(kHz)		
	QPSK	16QAM	64QAM
1745.0	19519.23	19423.08	19519.23

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



Date: 13.APR.2021 17:26:12

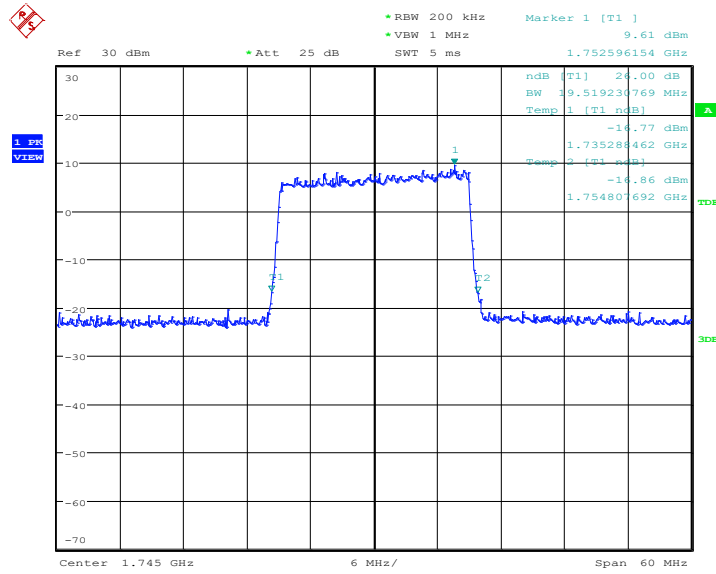
LTE band 66, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 13.APR.2021 17:26:28



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



Date: 13.APR.2021 18:55:16

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.

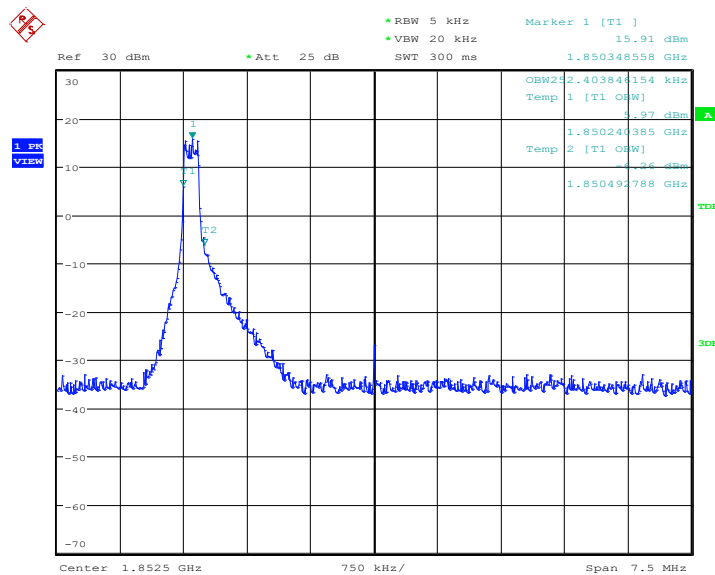
A relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band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

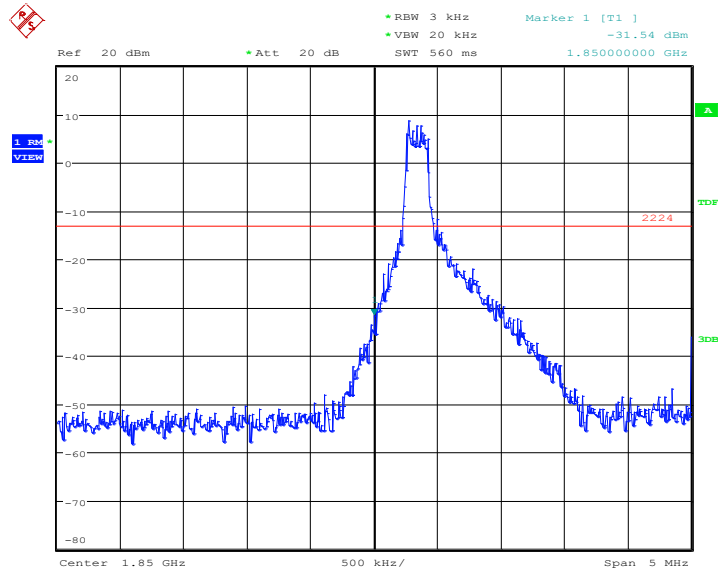
OBW: 1RB-low_offset



Date: 13.APR.2021 21:13:24

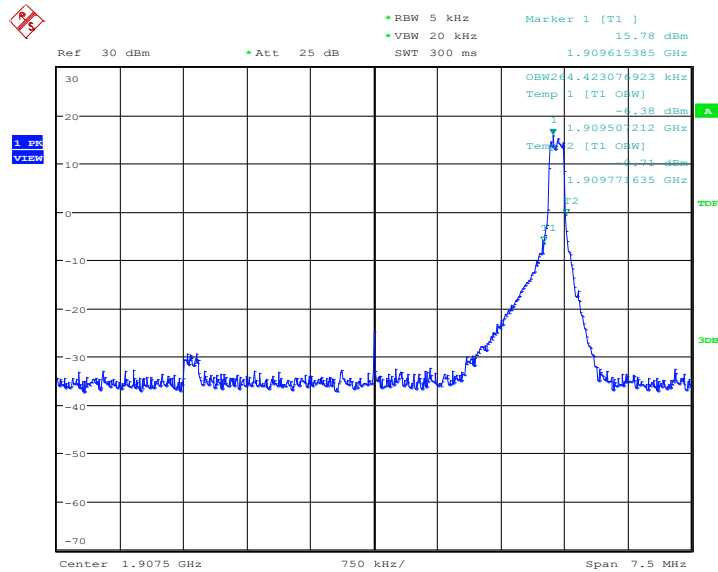


LOW BAND EDGE BLOCK-1RB-low_offset



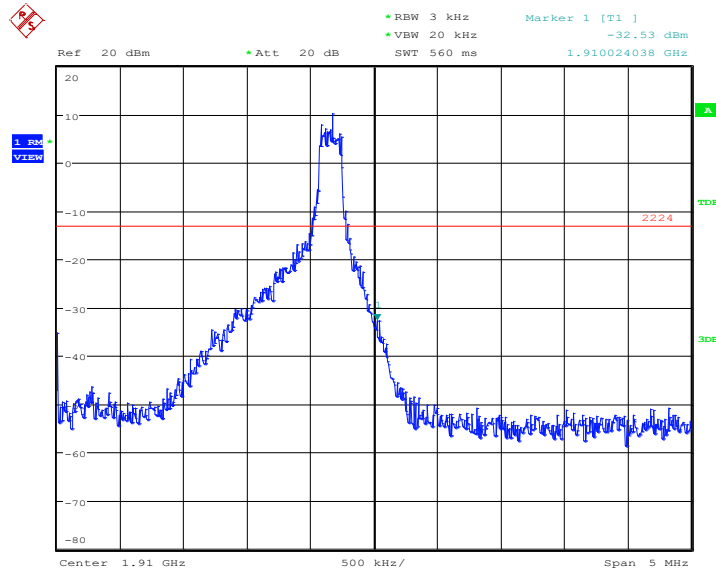
Date: 13.APR.2021 21:14:08

OBW: 1RB-high_offset



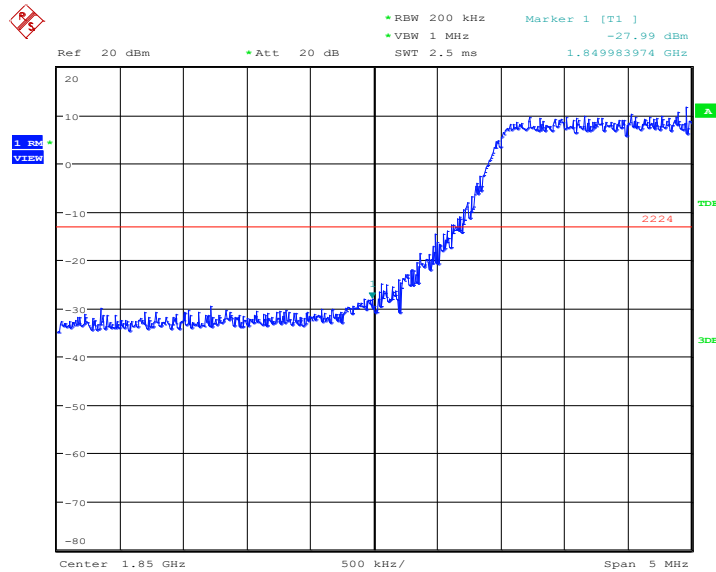
Date: 13.APR.2021 21:18:30

HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 13.APR.2021 21:19:15

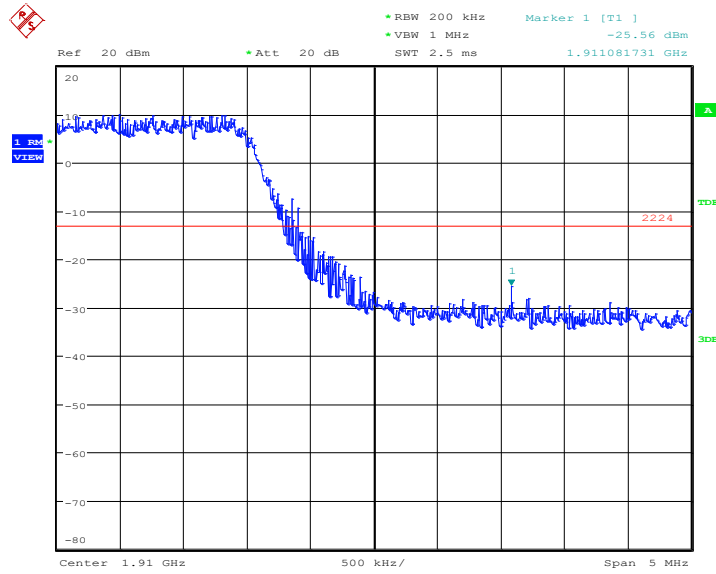
LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 13.APR.2021 20:59:49



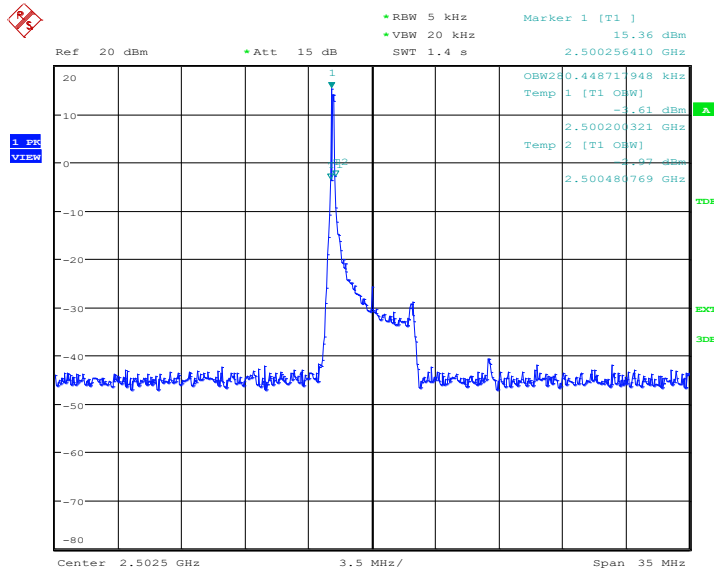
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 13.APR.2021 21:00:35

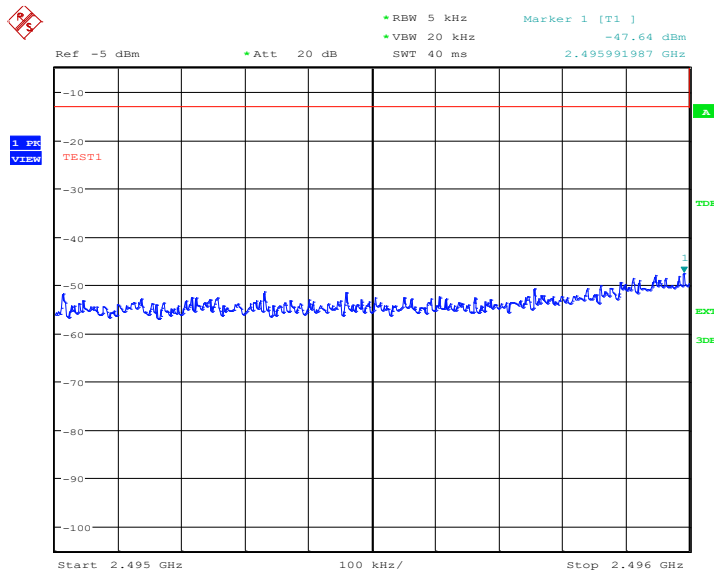


LTE band 7
OBW: 1RB-low_offset

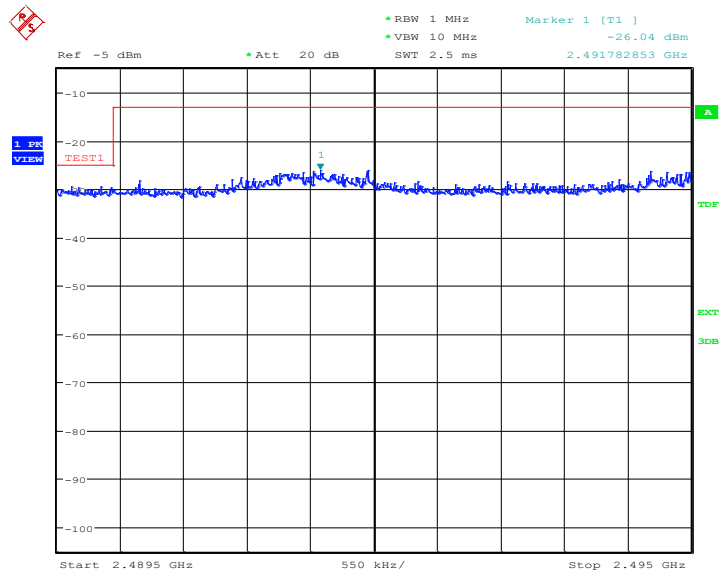


Date: 21.APR.2021 13:03:54

LOW BAND EDGE BLOCK-1RB-low_offset

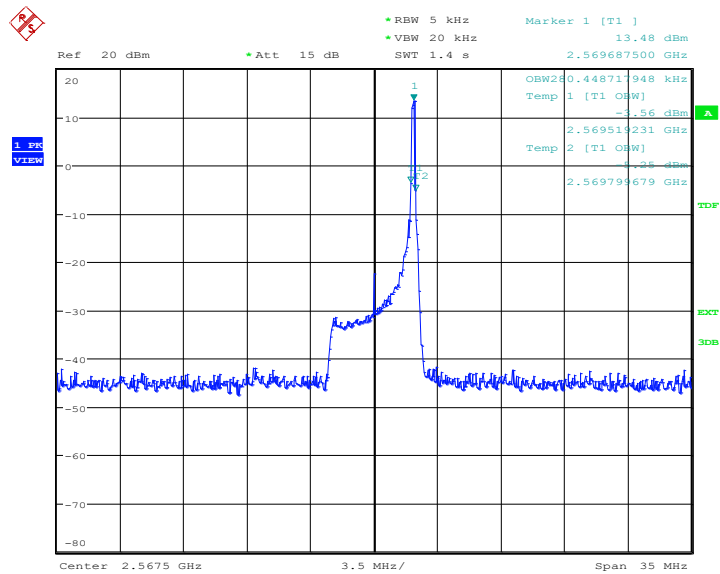


Date: 21.APR.2021 13:10:54



Date: 21.APR.2021 13:09:56

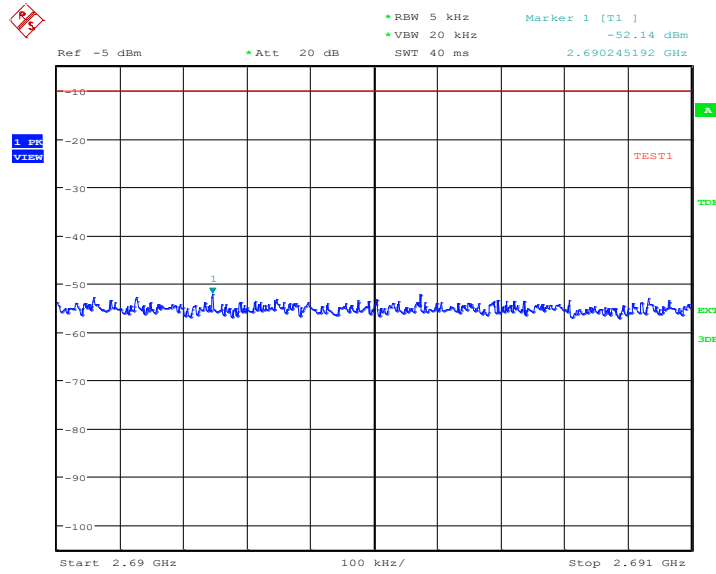
OBW: 1RB-high_offset



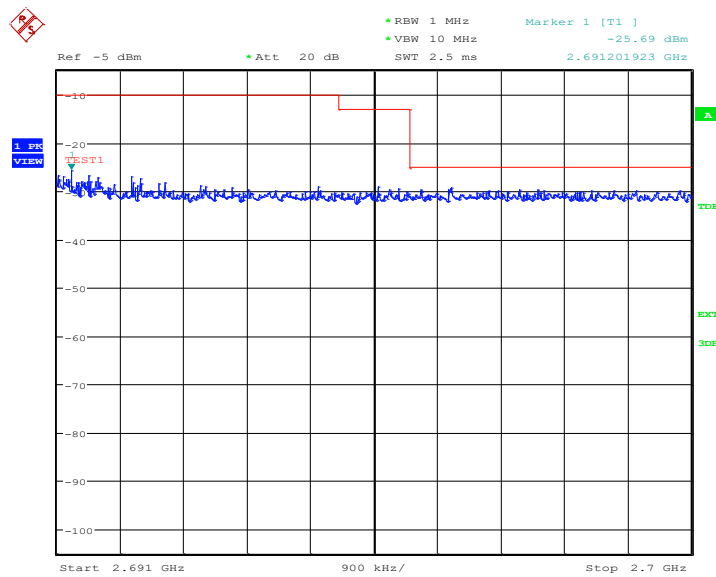
Date: 21.APR.2021 13:05:07



HIGH BAND EDGE BLOCK-1RB-high_offset



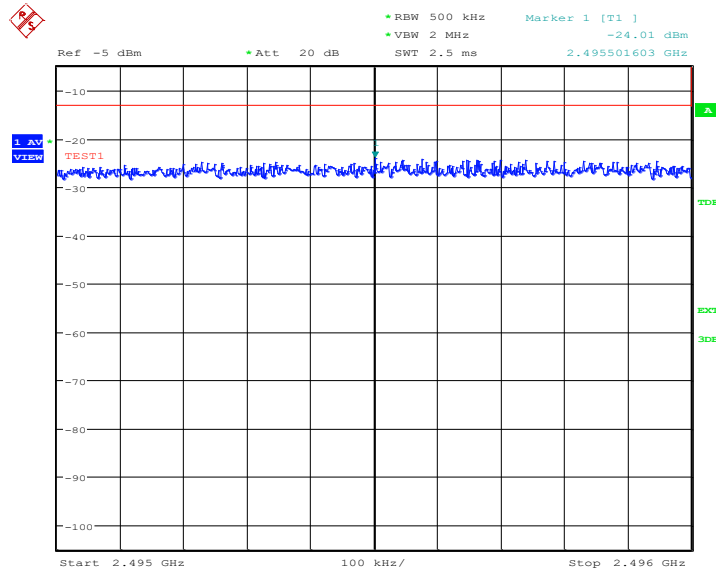
Date: 21.APR.2021 13:07:13



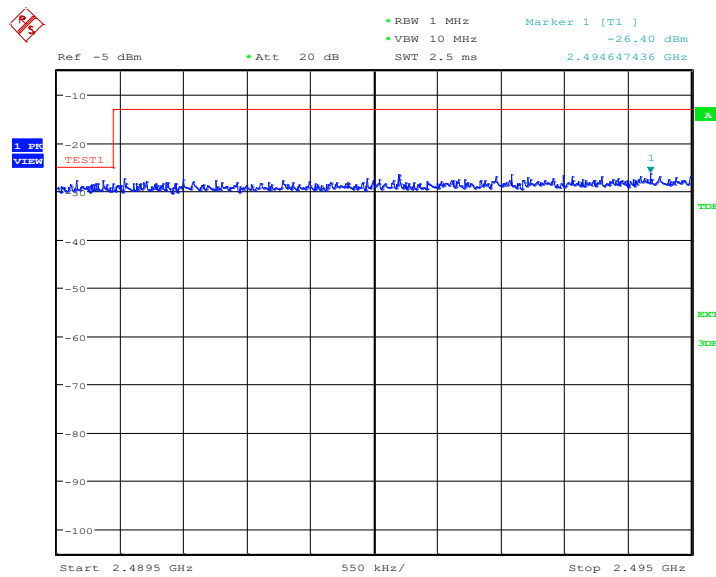
Date: 21.APR.2021 13:08:49



LOW BAND EDGE BLOCK-20MHz-100%RB



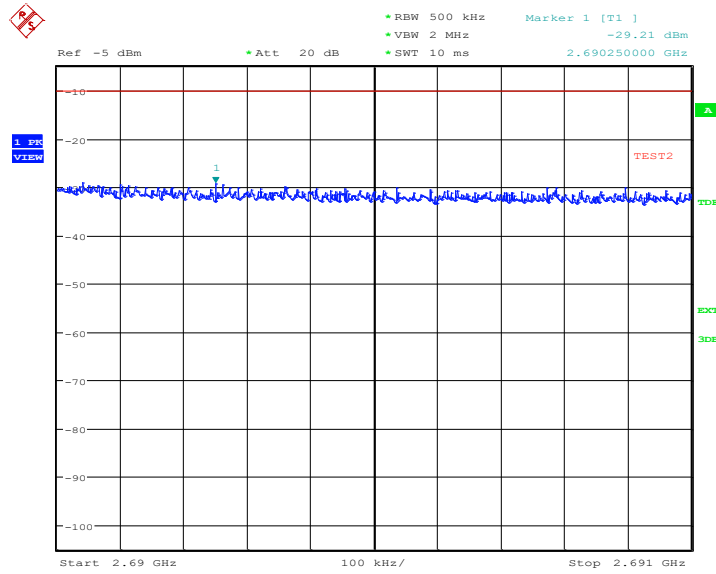
Date: 21.APR.2021 13:13:06



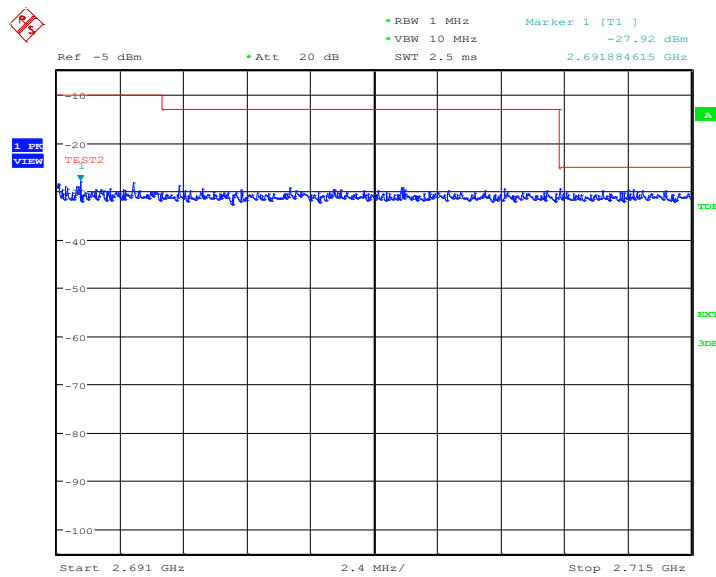
Date: 21.APR.2021 13:16:05



HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 21.APR.2021 13:21:11



Date: 21.APR.2021 13:19:23