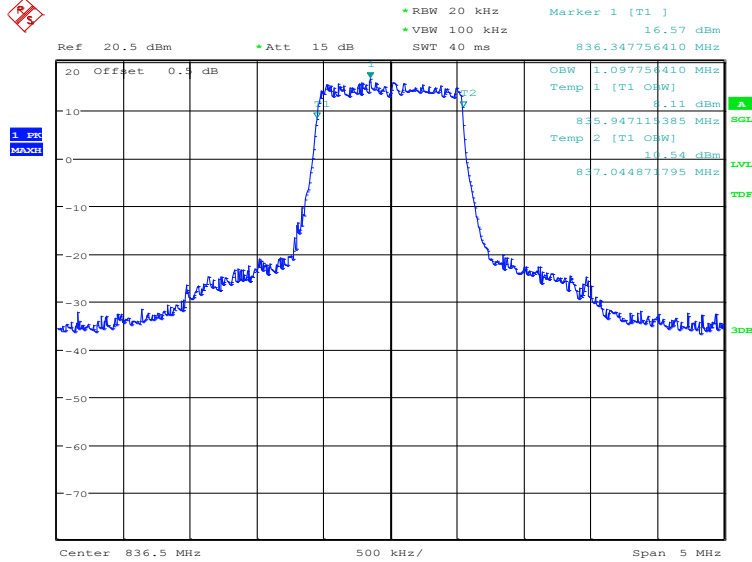


LTE band 26(824MHz~849MHz), 1.4MHz (99%)

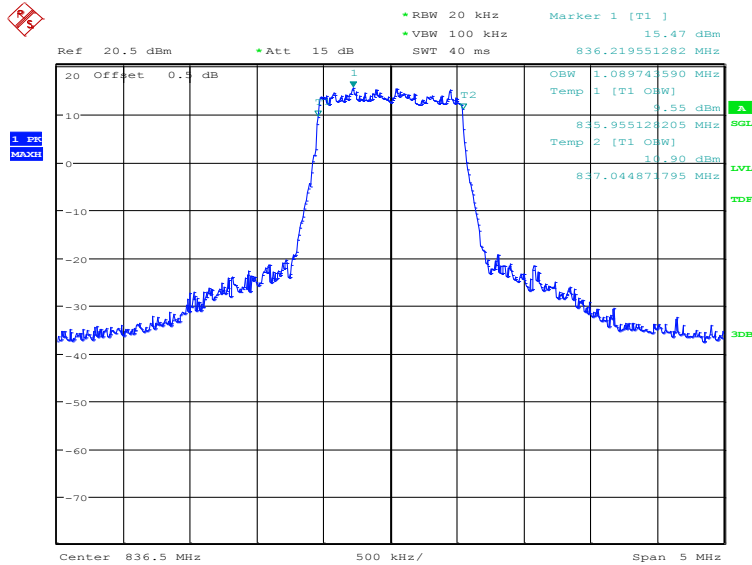
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	1097.76	1089.74

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



Date: 7.SEP.2023 14:19:12

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

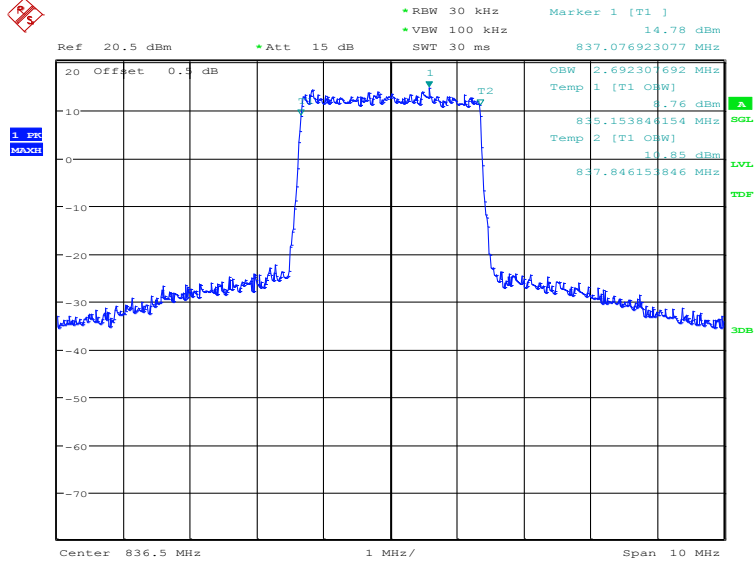


Date: 7.SEP.2023 14:19:53

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

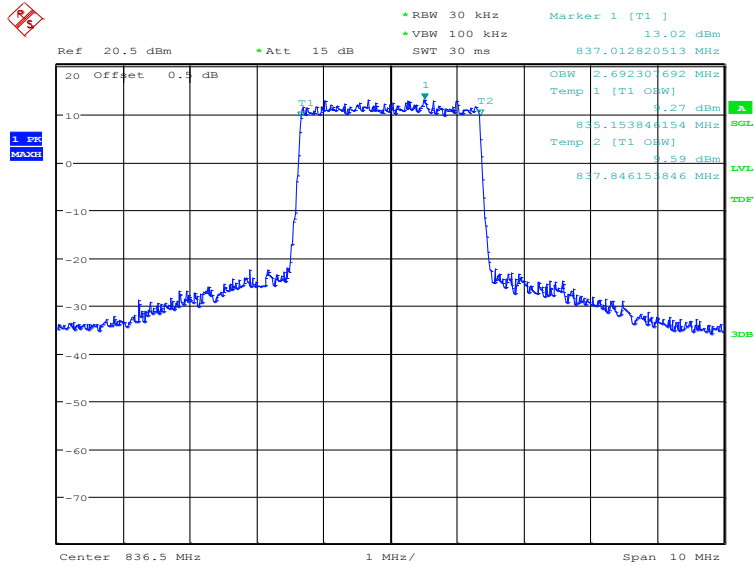
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 7.SEP.2023 14:20:35

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

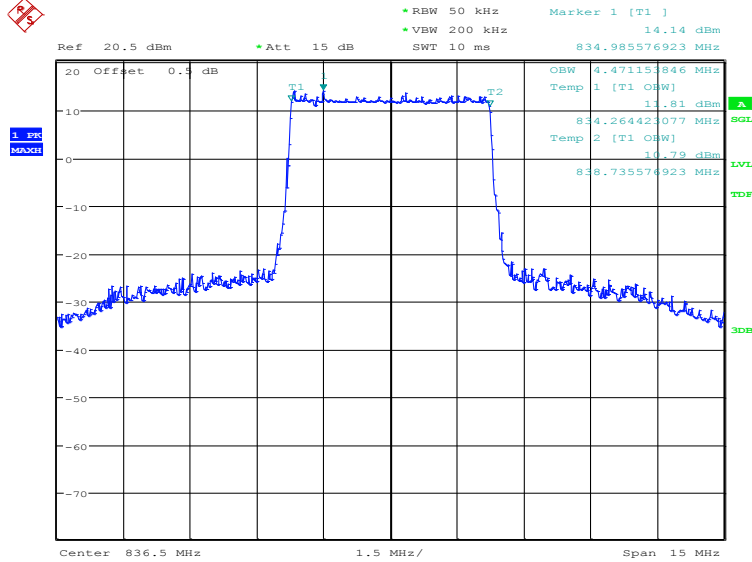


Date: 7.SEP.2023 14:21:16

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

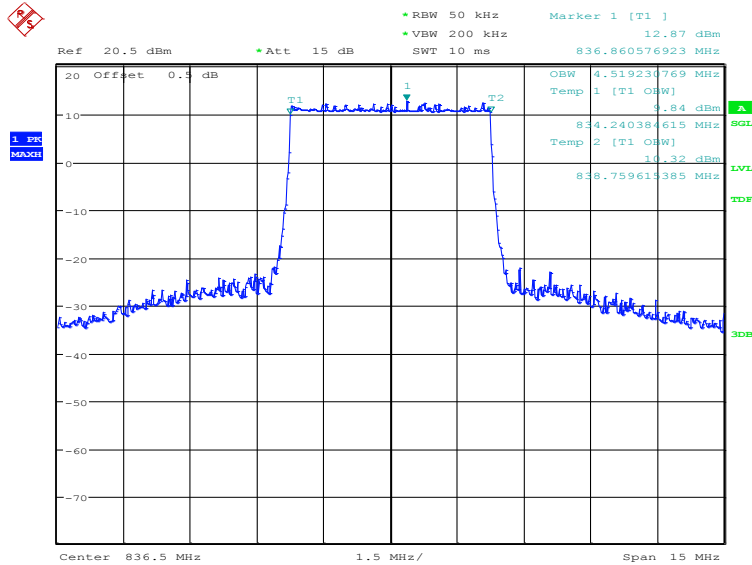
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 7.SEP.2023 14:21:58

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

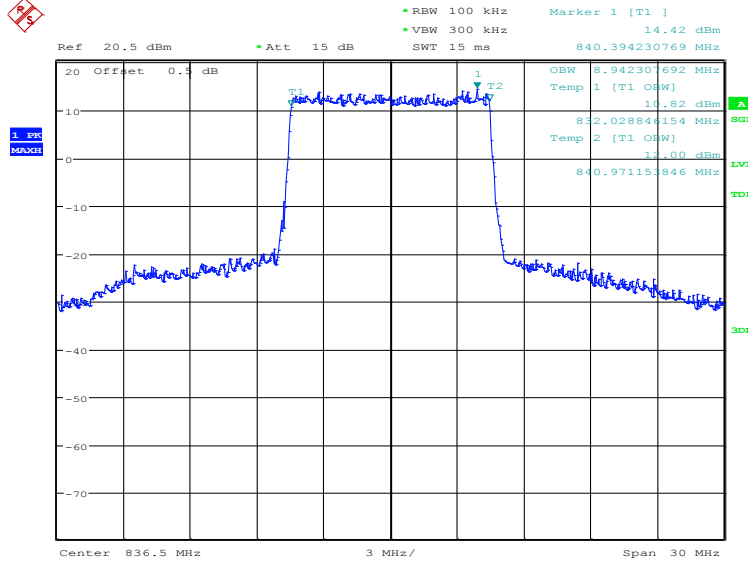


Date: 7.SEP.2023 14:22:39

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

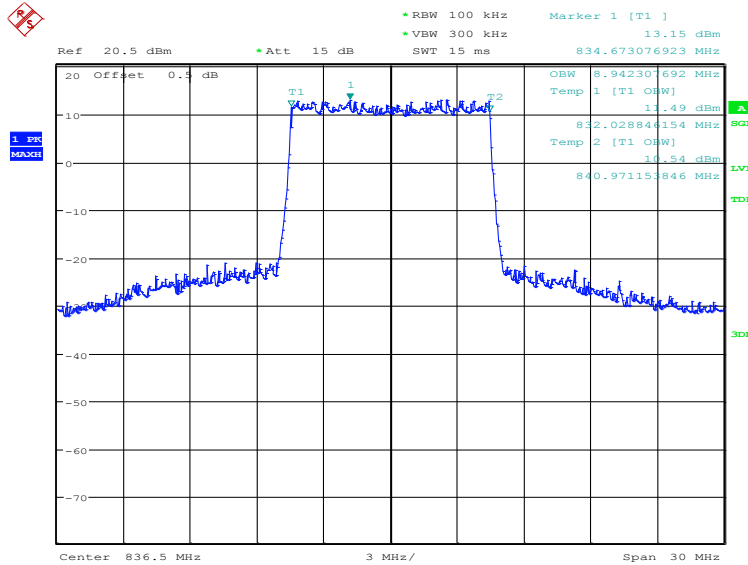
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 7.SEP.2023 14:23:22

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

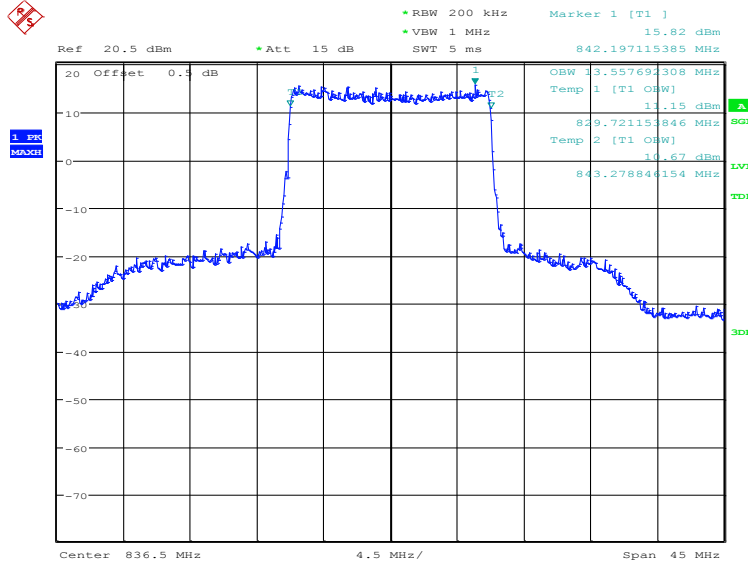


Date: 7.SEP.2023 14:24:03

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

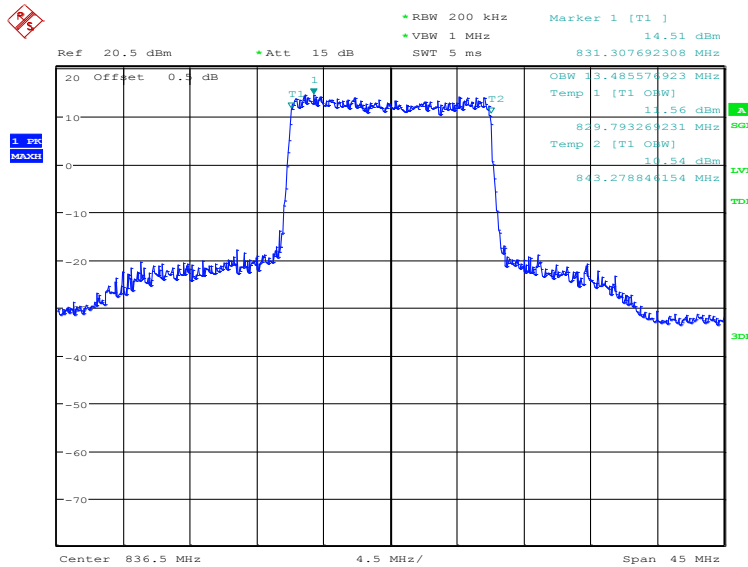
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	13557.69	13485.58

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



Date: 7.SEP.2023 14:24:45

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

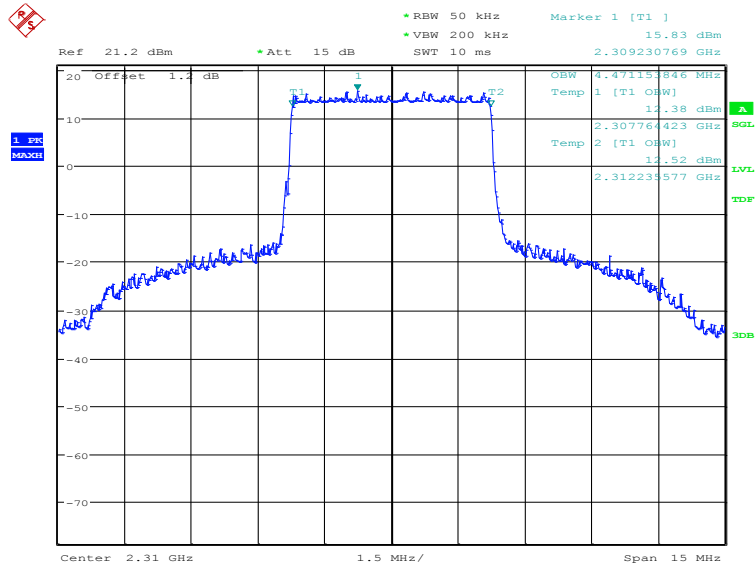


Date: 7.SEP.2023 14:25:26

LTE band 30, 5MHz (99%)

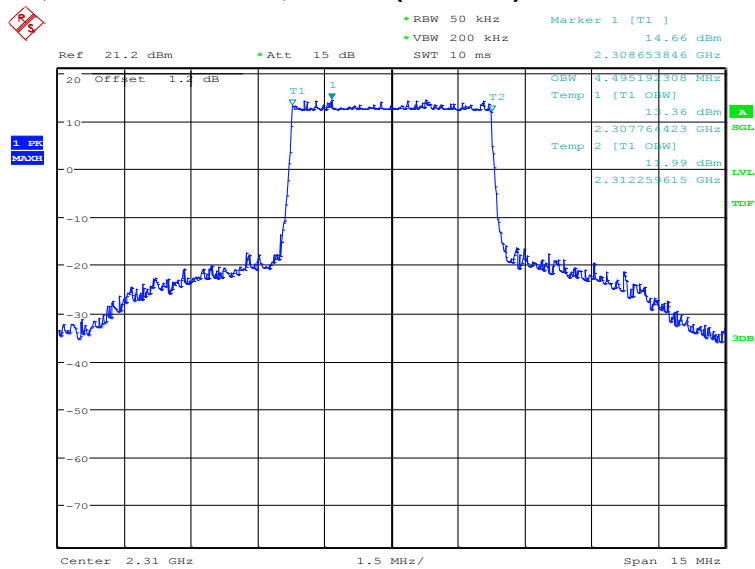
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2310.0	QPSK	16QAM
	4471.15	4495.19

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



Date: 7.SEP.2023 14:32:25

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

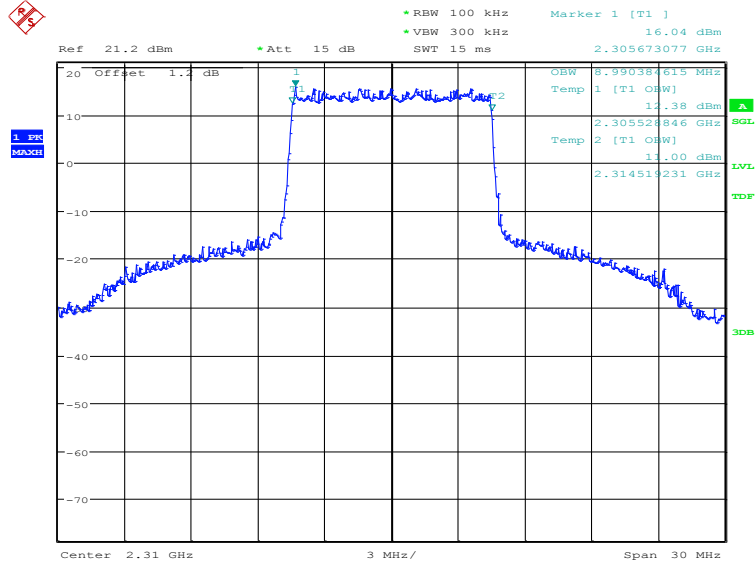


Date: 7.SEP.2023 14:33:06

LTE band 30, 10MHz (99%)

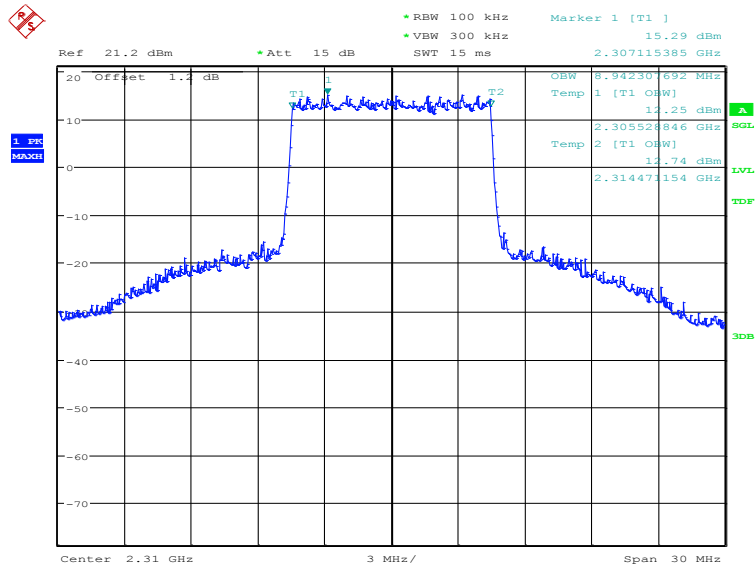
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2310.0	QPSK	16QAM
	8990.38	8942.31

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



Date: 7.SEP.2023 14:33:48

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

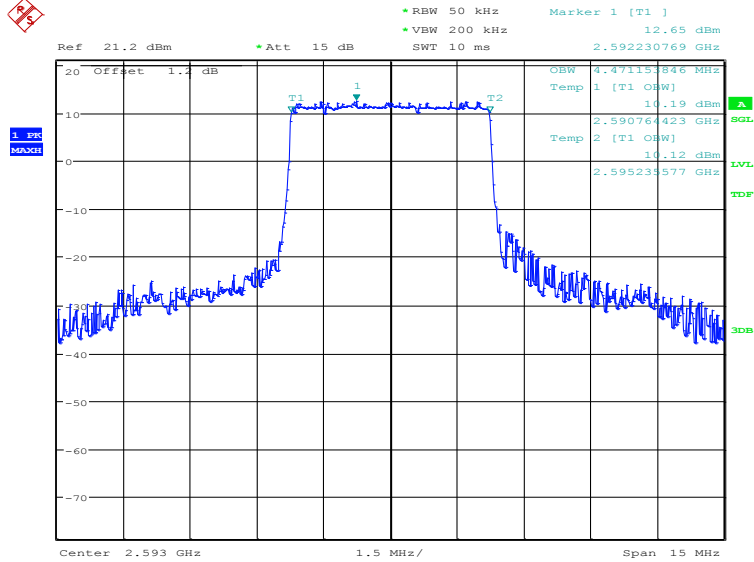


Date: 7.SEP.2023 14:34:29

LTE band 41, 5MHz (99%)

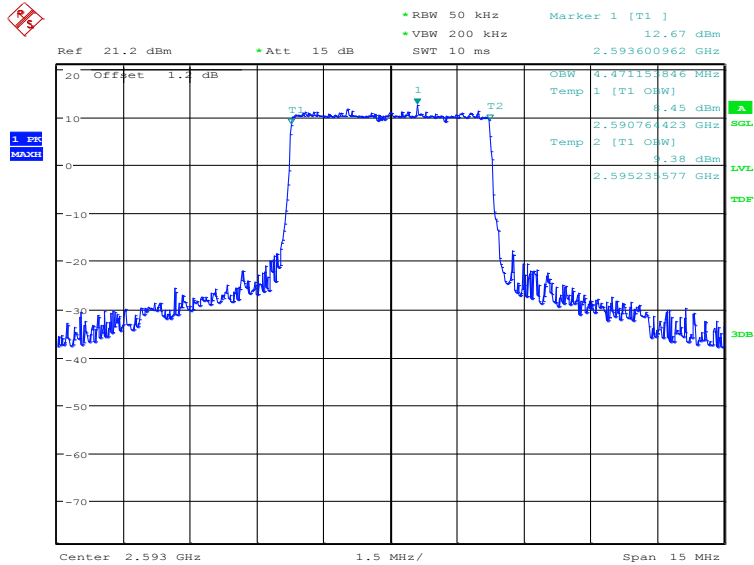
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 7.SEP.2023 14:44:22

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

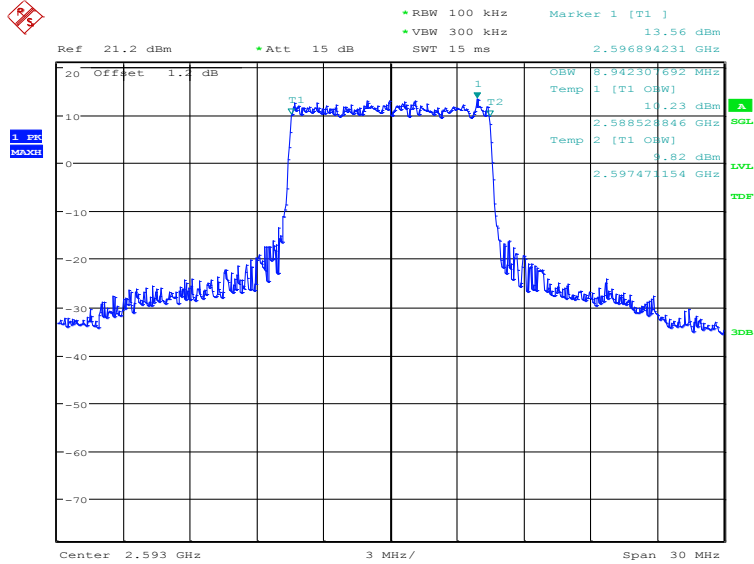


Date: 7.SEP.2023 14:45:03

LTE band 41, 10MHz (99%)

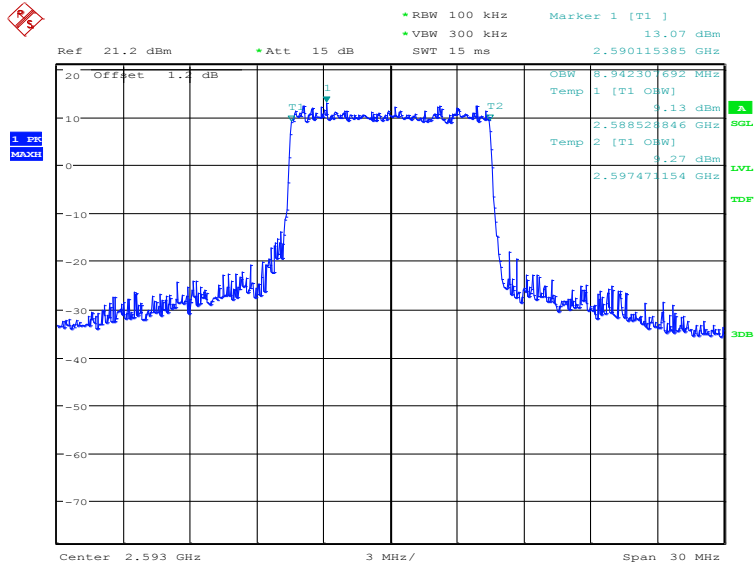
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 7.SEP.2023 14:45:46

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

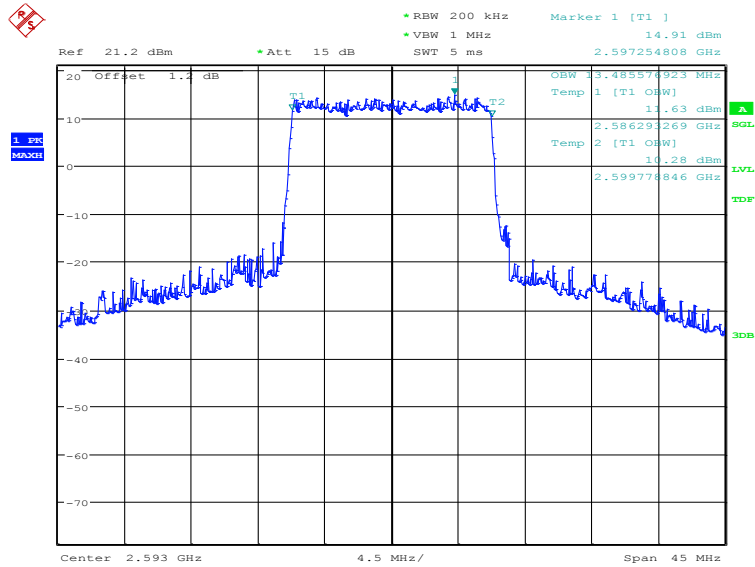


Date: 7.SEP.2023 14:46:27

LTE band 41, 15MHz (99%)

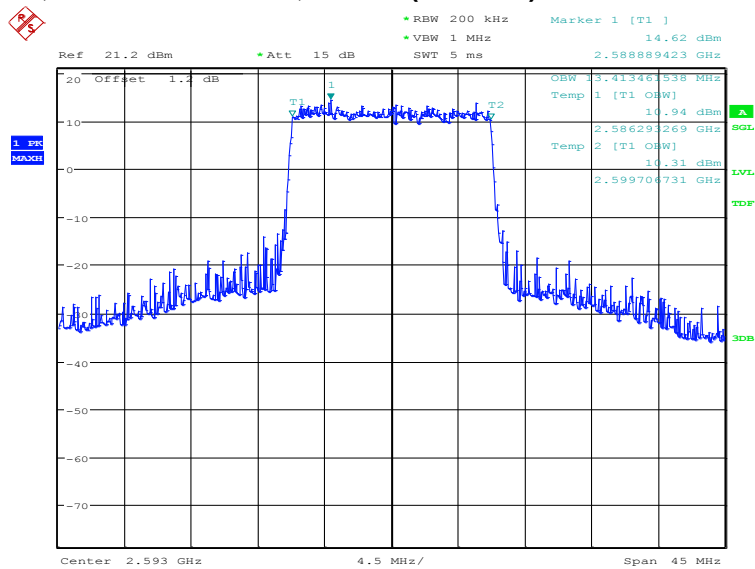
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13413.46

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



Date: 7.SEP.2023 14:47:10

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

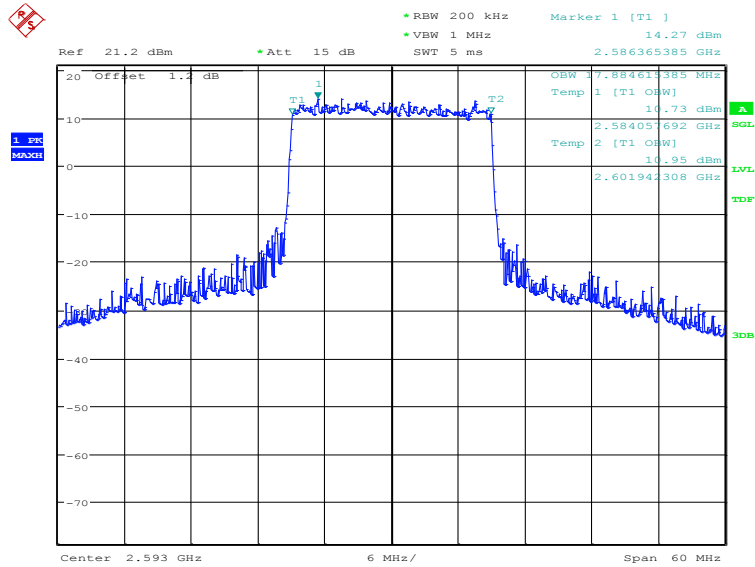


Date: 7.SEP.2023 14:47:51

LTE band 41, 20MHz (99%)

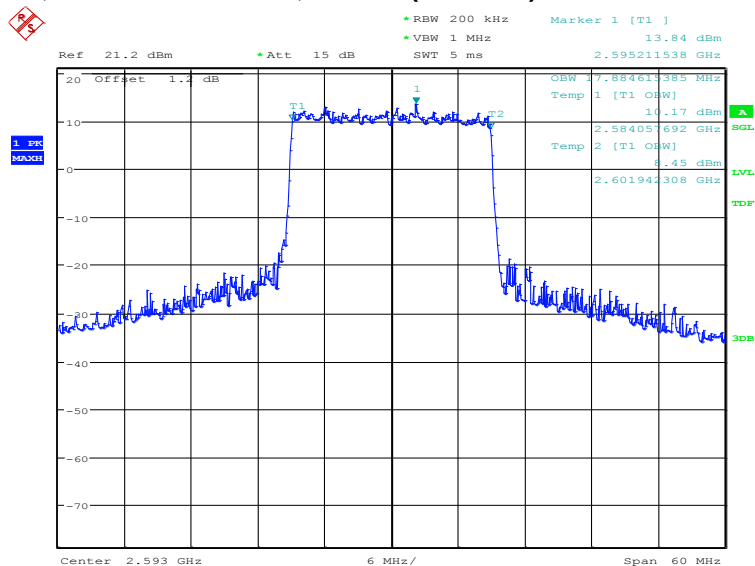
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	17884.62	17884.62

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



Date: 7.SEP.2023 14:48:34

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

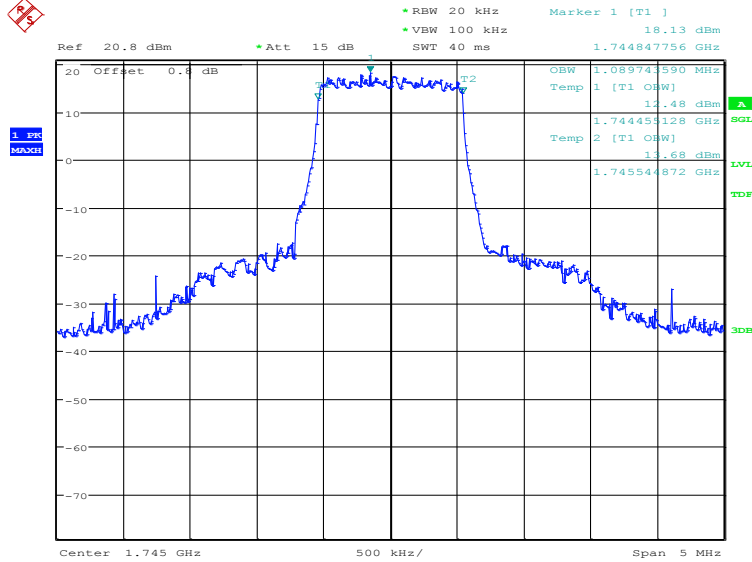


Date: 7.SEP.2023 14:49:15

LTE band 66, 1.4MHz (99%)

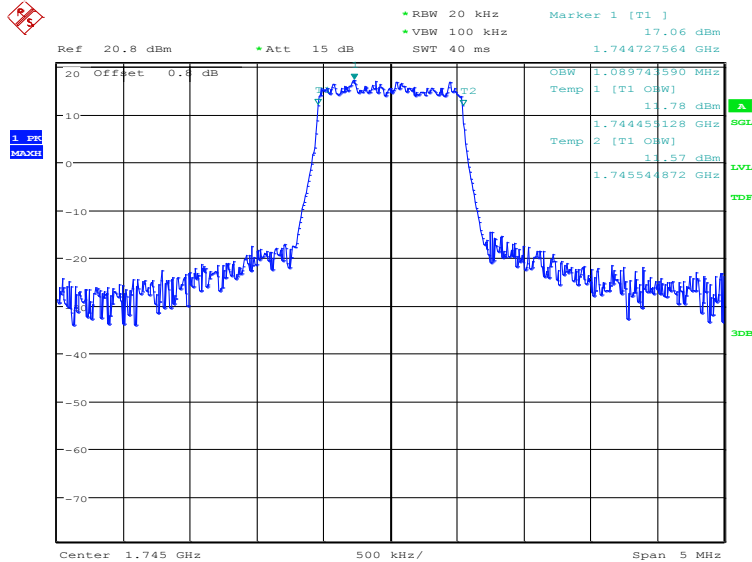
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 7.SEP.2023 14:35:14

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

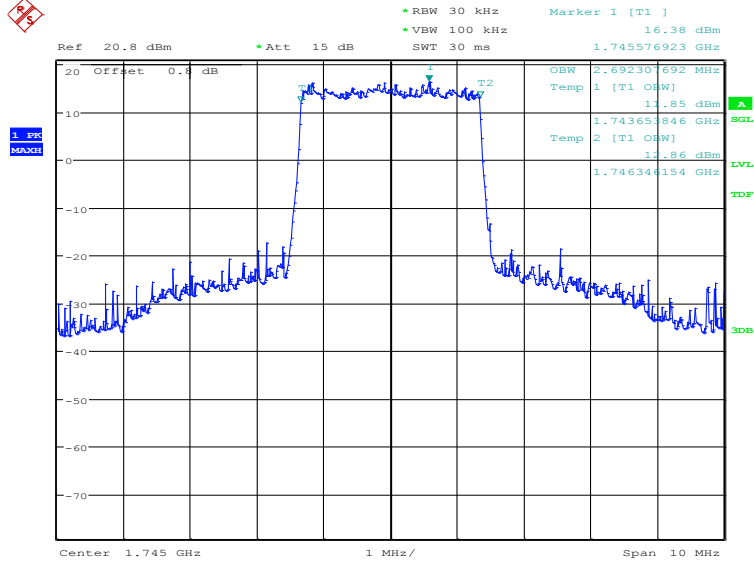


Date: 7.SEP.2023 14:35:55

LTE band 66, 3MHz (99%)

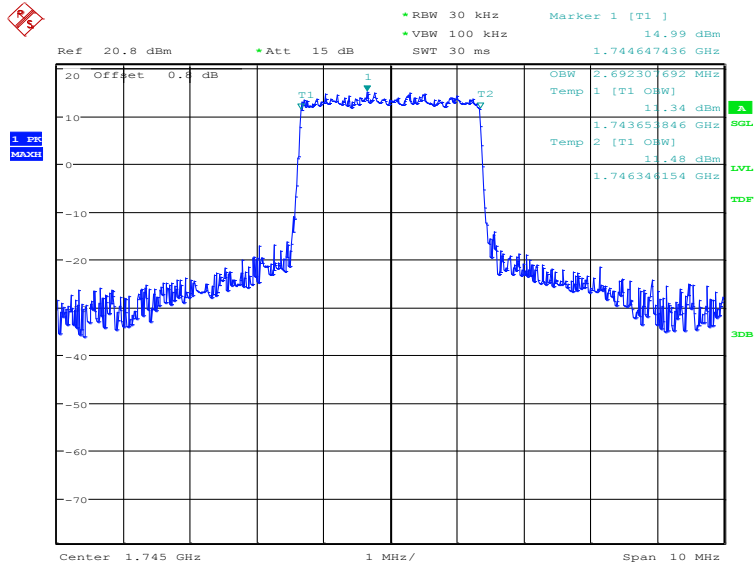
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 7.SEP.2023 14:36:37

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

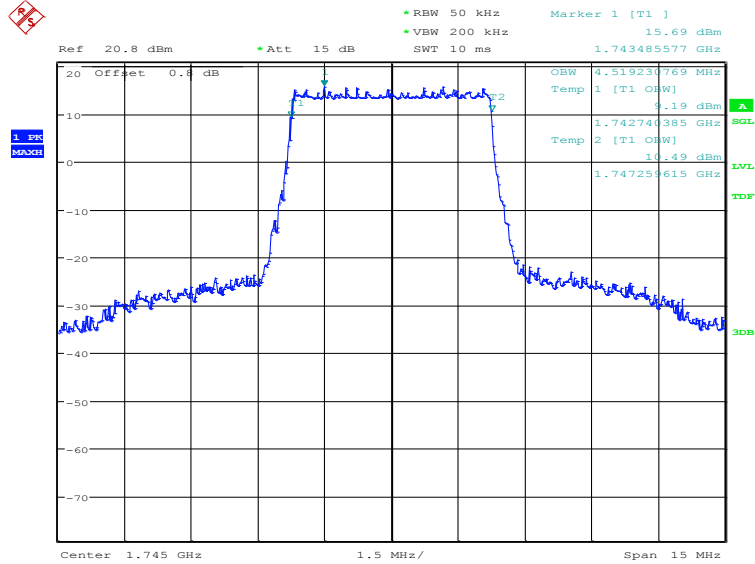


Date: 7.SEP.2023 14:37:18

LTE band 66, 5MHz (99%)

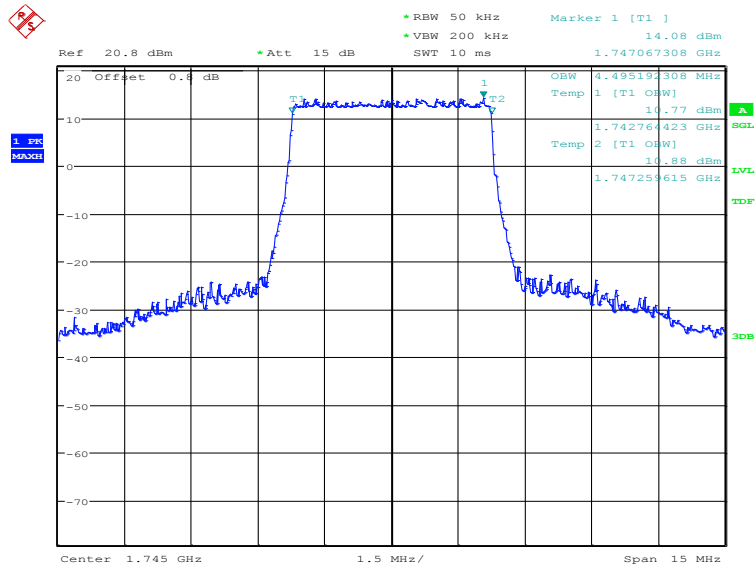
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	4519.23	4495.19

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



Date: 7.SEP.2023 14:38:01

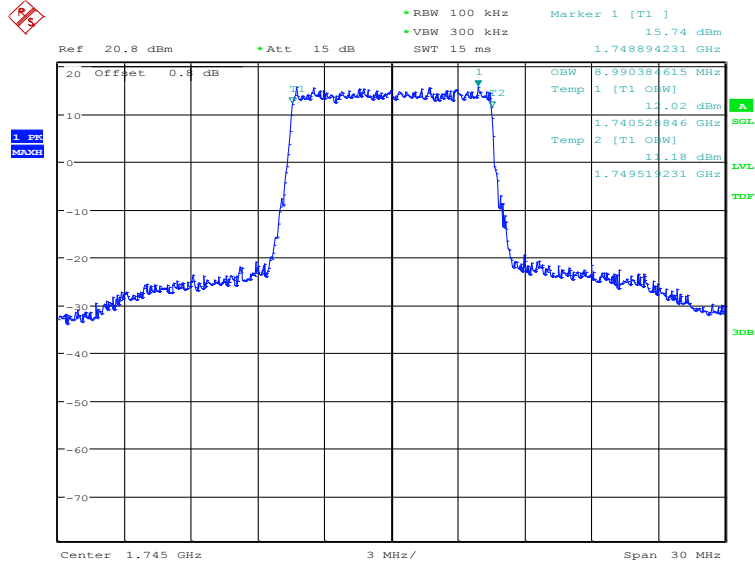
LTE band 66, 5MHz Bandwidth, 16QAM (99% BW)



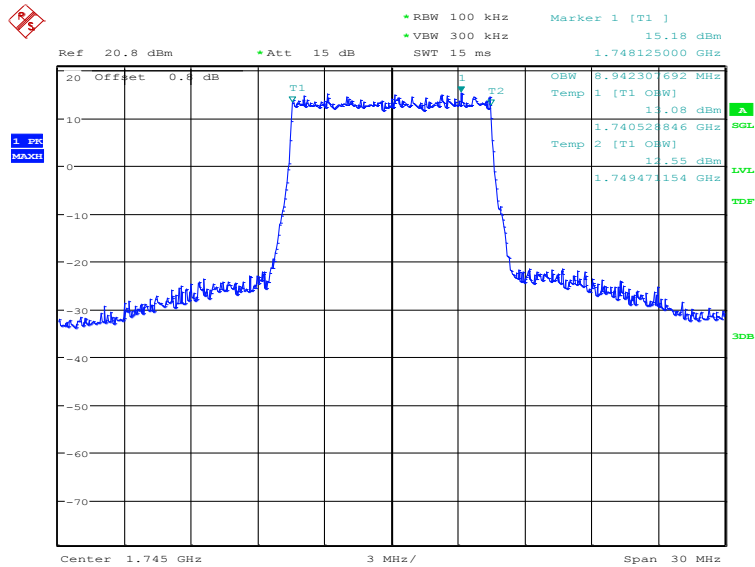
Date: 7.SEP.2023 14:38:42

LTE band 66, 10MHz (99%)

Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	8990.38	8942.31

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


Date: 7.SEP.2023 14:39:24

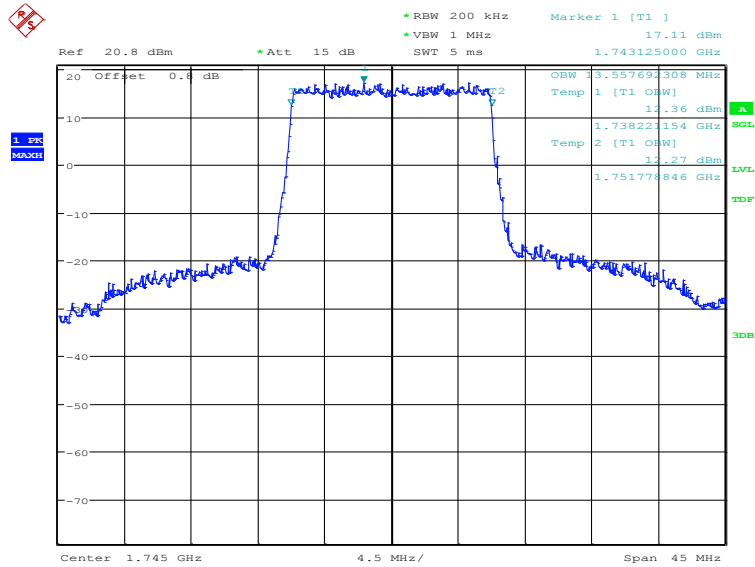
LTE band 66, 10MHz Bandwidth, 16QAM (99% BW)


Date: 7.SEP.2023 14:40:05

LTE band 66, 15MHz (99%)

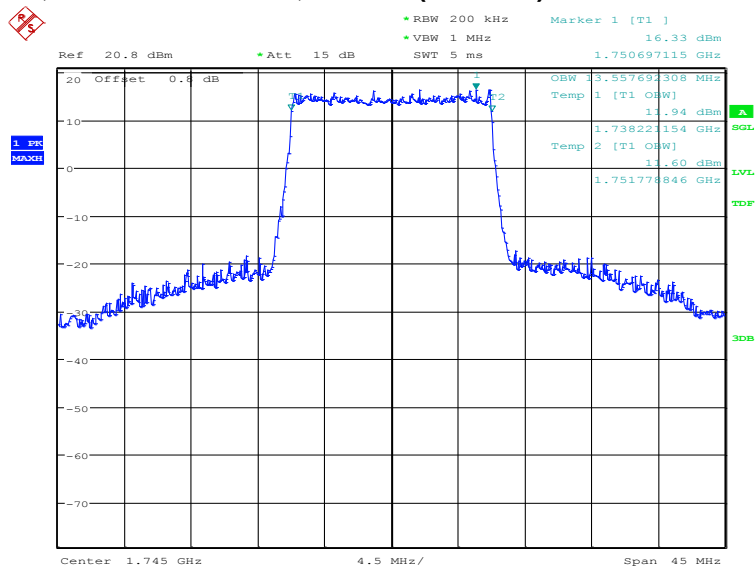
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	13557.69	13557.69

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



Date: 7.SEP.2023 14:40:48

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

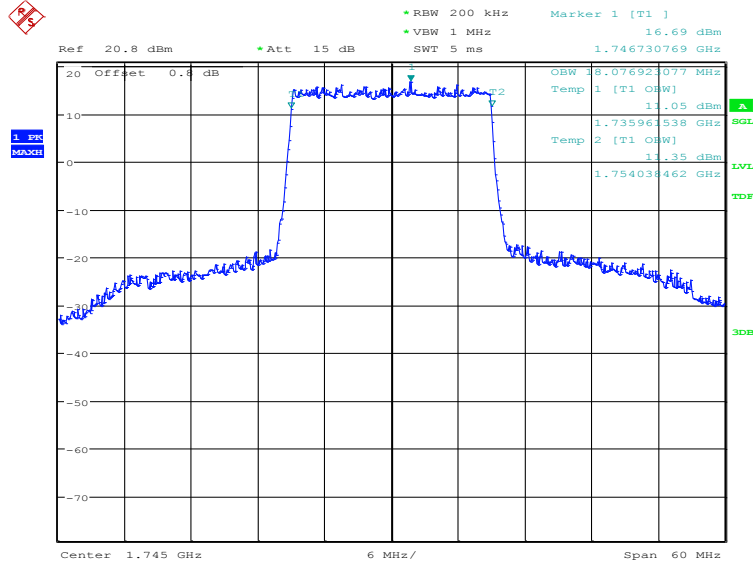


Date: 7.SEP.2023 14:41:29

LTE band 66, 20MHz (99%)

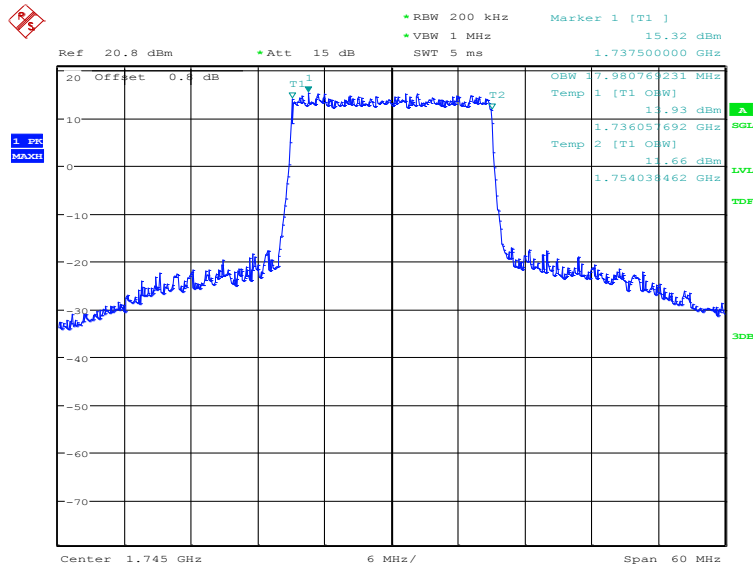
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	18076.92	17980.77

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



Date: 7.SEP.2023 14:42:12

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



Date: 7.SEP.2023 14:42:53

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

A.5 Emission Bandwidth

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.

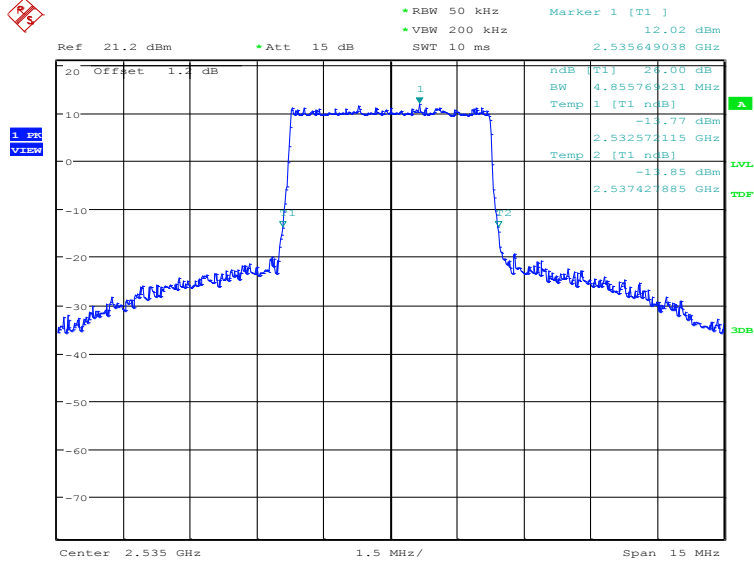
The measurement method is from ANSI C63.26:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times$ RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

LTE band 7, 5MHz (-26dBc)

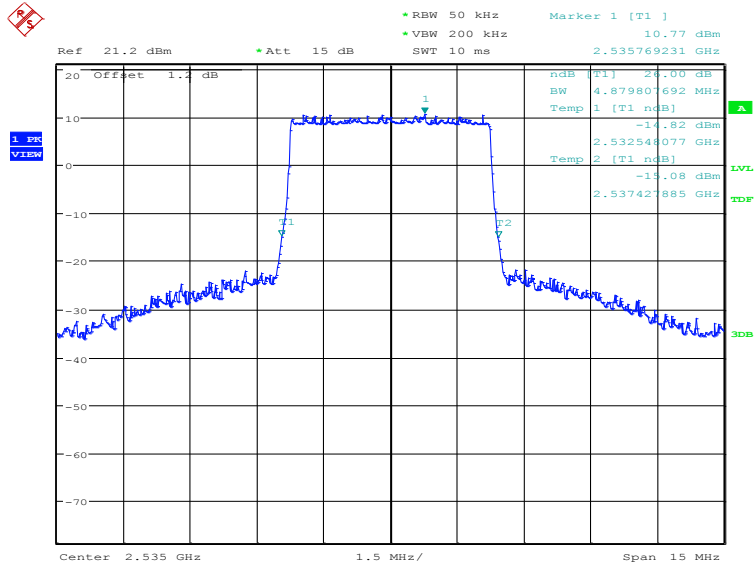
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	4855.77	4879.81

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



Date: 7.SEP.2023 14:50:36

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

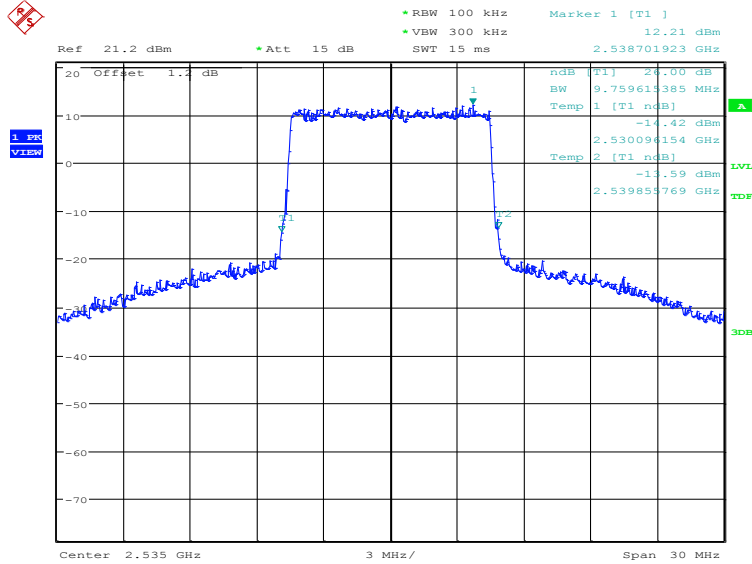


Date: 7.SEP.2023 14:51:17

LTE band 7, 10MHz (-26dBc)

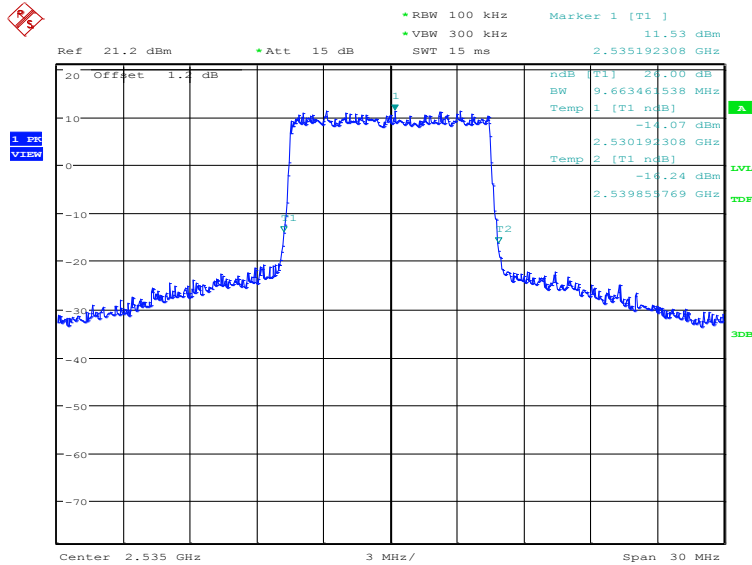
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	9759.62	9663.46

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



Date: 7.SEP.2023 14:52:00

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

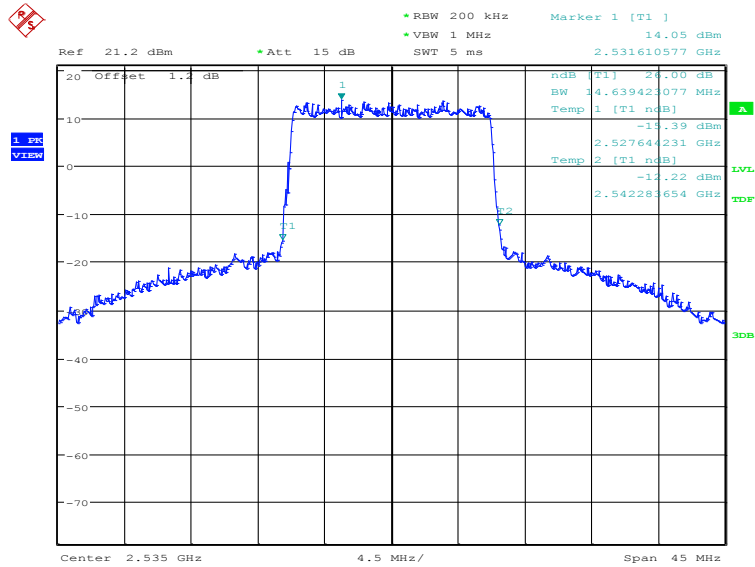


Date: 7.SEP.2023 14:52:41

LTE band 7, 15MHz (-26dBc)

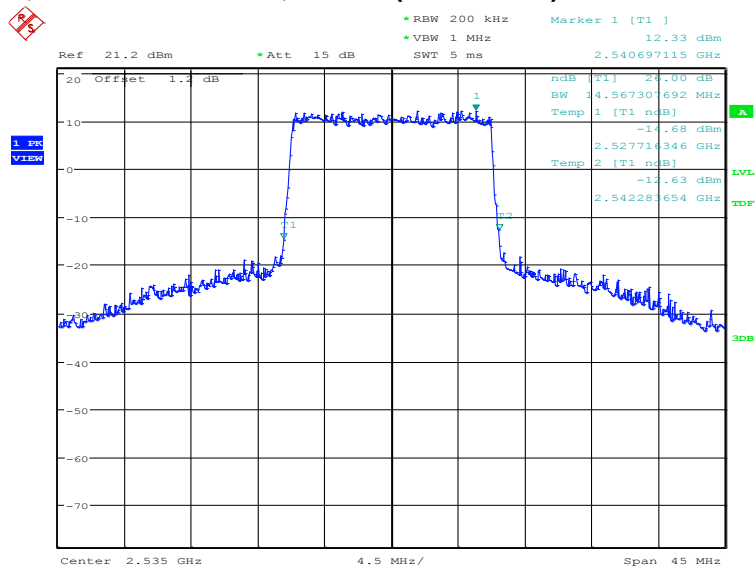
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	14639.42	14567.31

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



Date: 7.SEP.2023 14:53:24

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

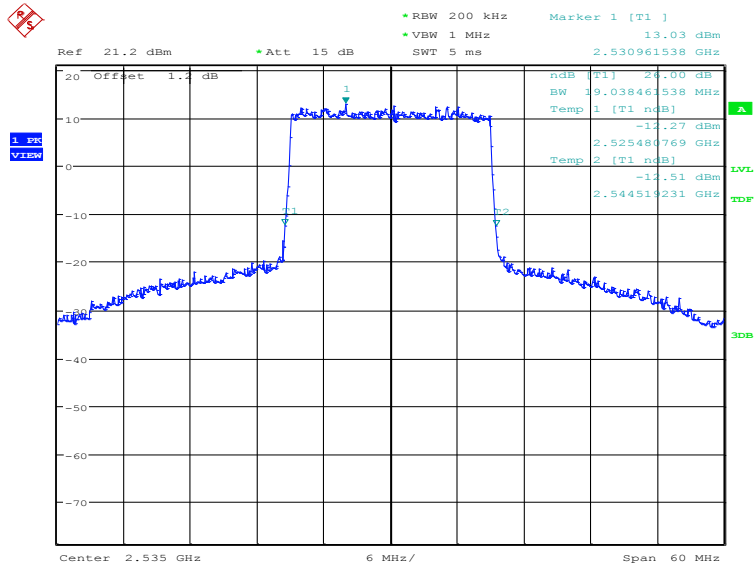


Date: 7.SEP.2023 14:54:05

LTE band 7, 20MHz (-26dBc)

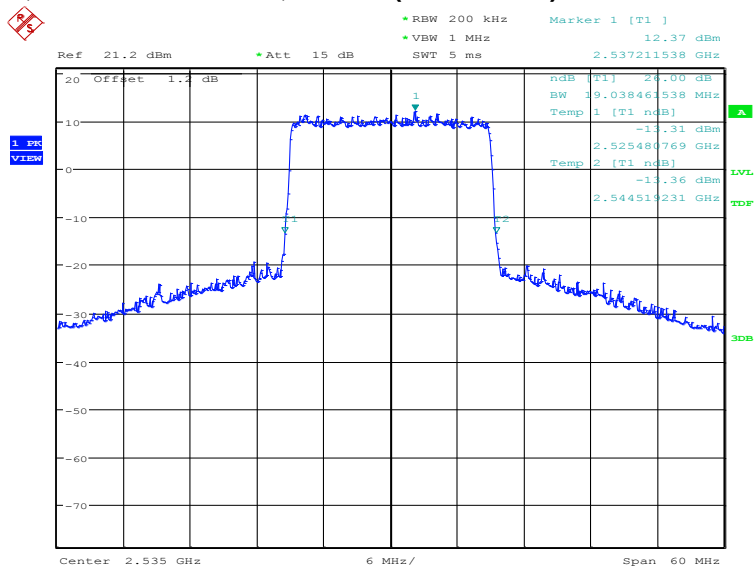
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	19038.46	19038.46

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



Date: 7.SEP.2023 14:54:48

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

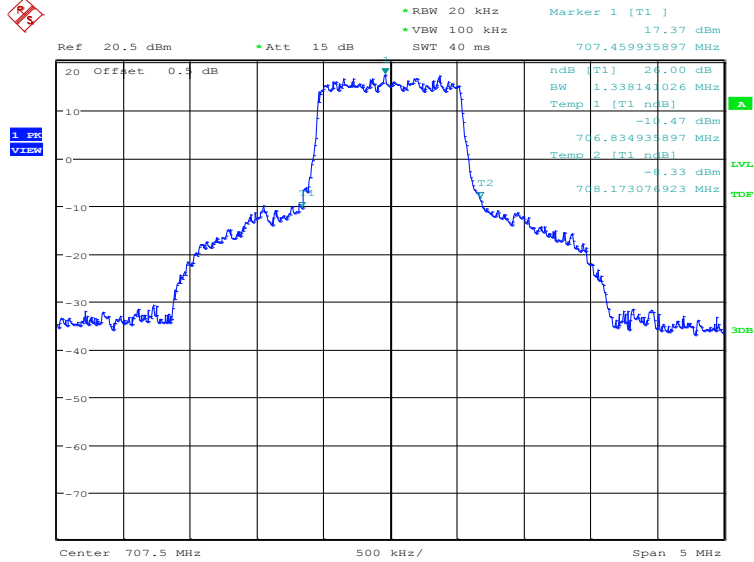


Date: 7.SEP.2023 14:55:30

LTE band 12, 1.4MHz (-26dBc)

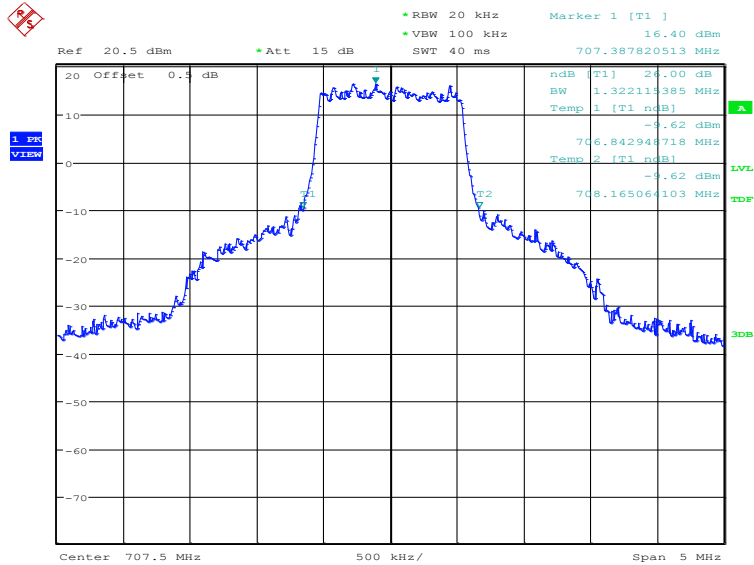
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	1338.14	1322.12

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



Date: 7.SEP.2023 14:57:09

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

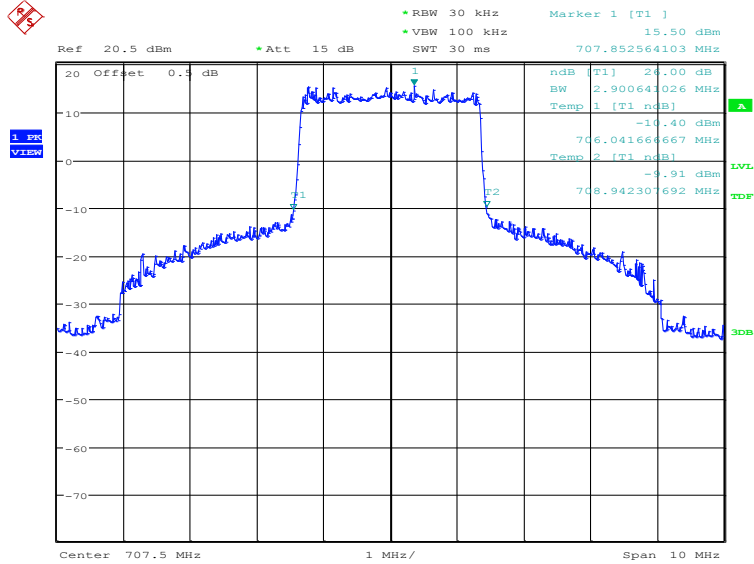


Date: 7.SEP.2023 14:57:50

LTE band 12, 3MHz (-26dBc)

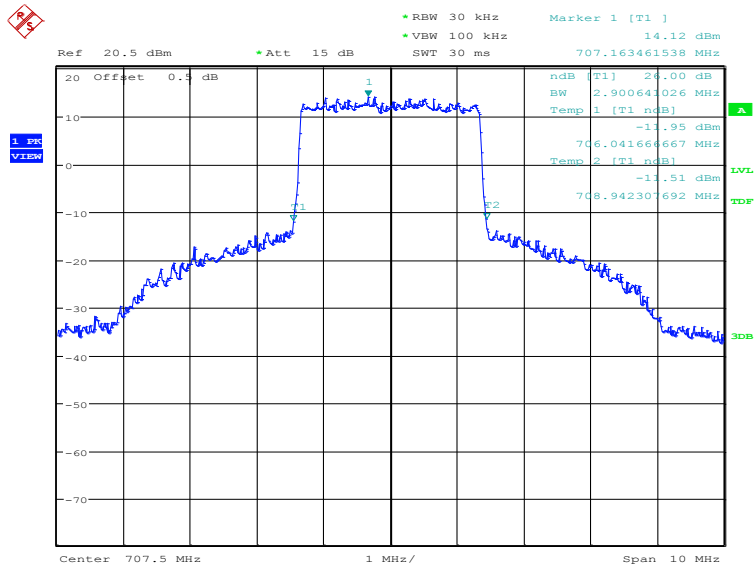
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2900.64	2900.64

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



Date: 7.SEP.2023 14:58:33

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

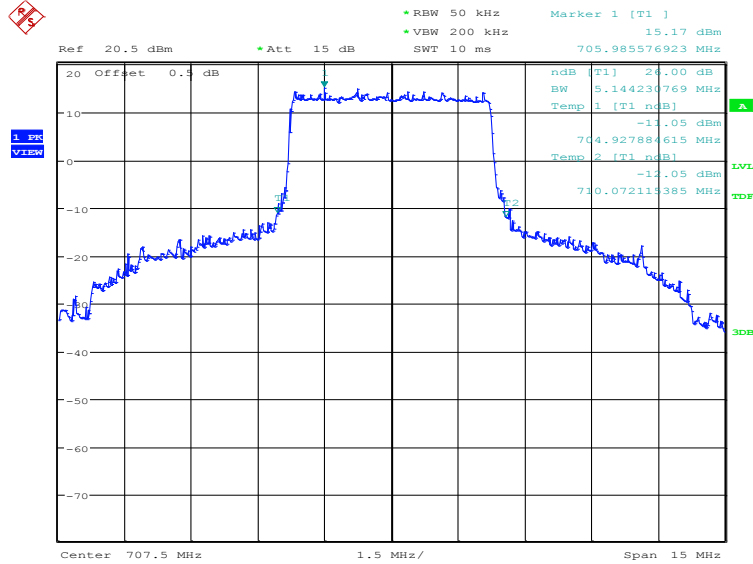


Date: 7.SEP.2023 14:59:14

LTE band 12, 5MHz (-26dBc)

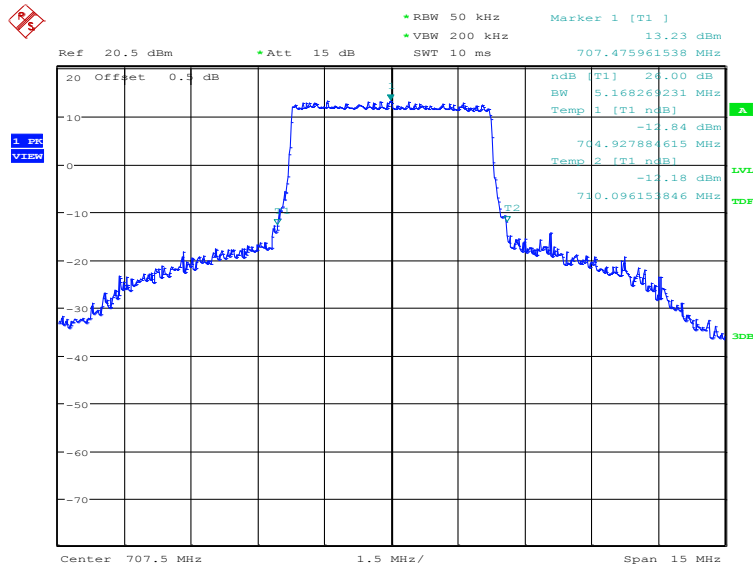
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	5144.23	5168.27

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



Date: 7.SEP.2023 14:59:57

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

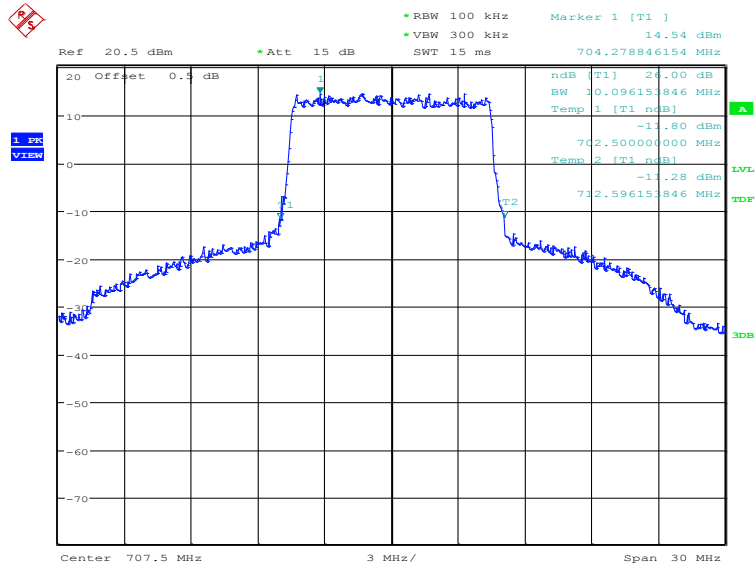


Date: 7.SEP.2023 15:00:39

LTE band 12, 10MHz (-26dBc)

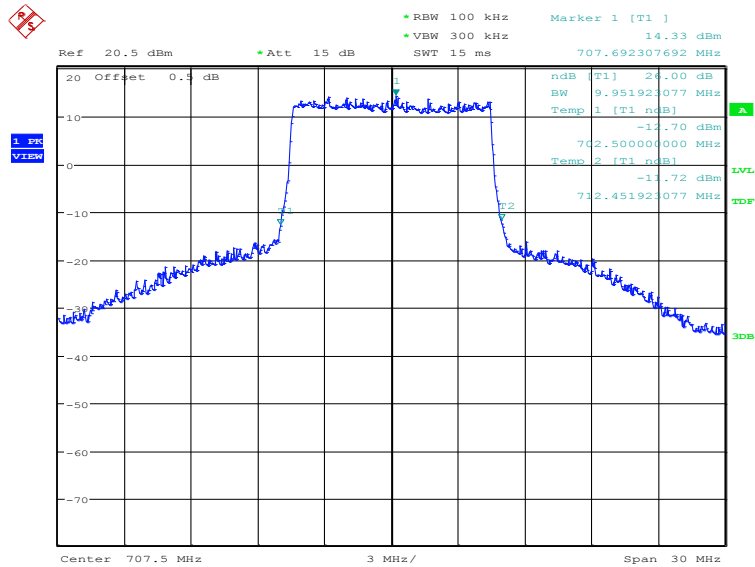
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	10096.15	9951.92

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



Date: 7.SEP.2023 15:01:22

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

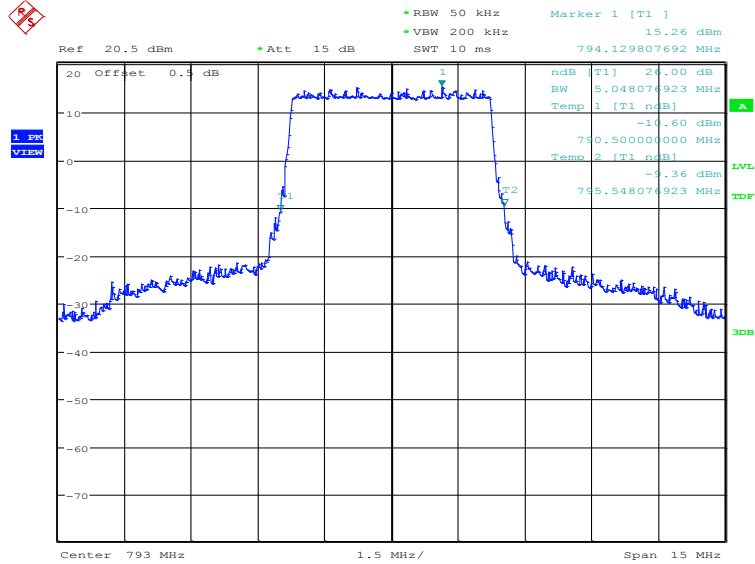


Date: 7.SEP.2023 15:02:03

LTE band 14, 5MHz (-26dBc)

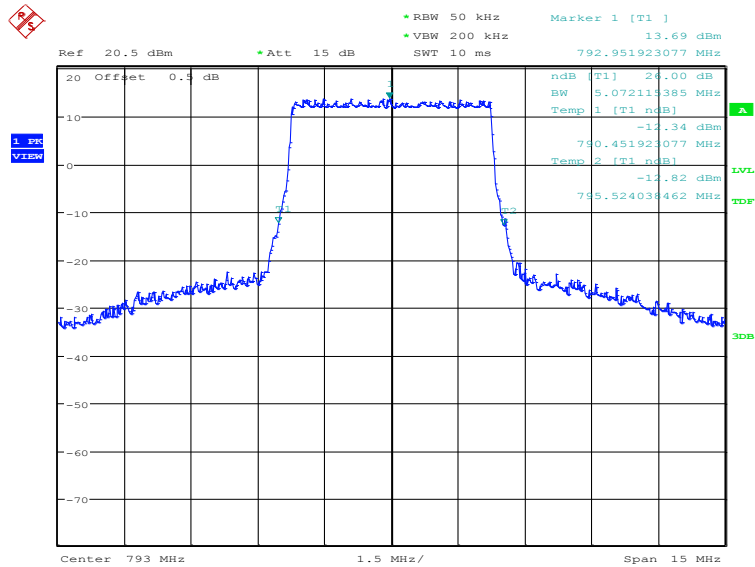
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
793.0	QPSK	16QAM
	5048.08	5072.12

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



Date: 7.SEP.2023 15:02:47

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

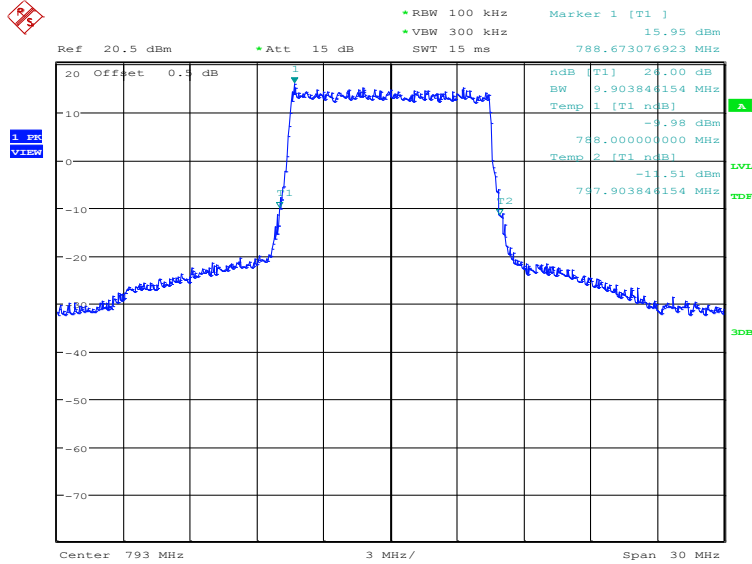


Date: 7.SEP.2023 15:03:29

LTE band 14, 10MHz (-26dBc)

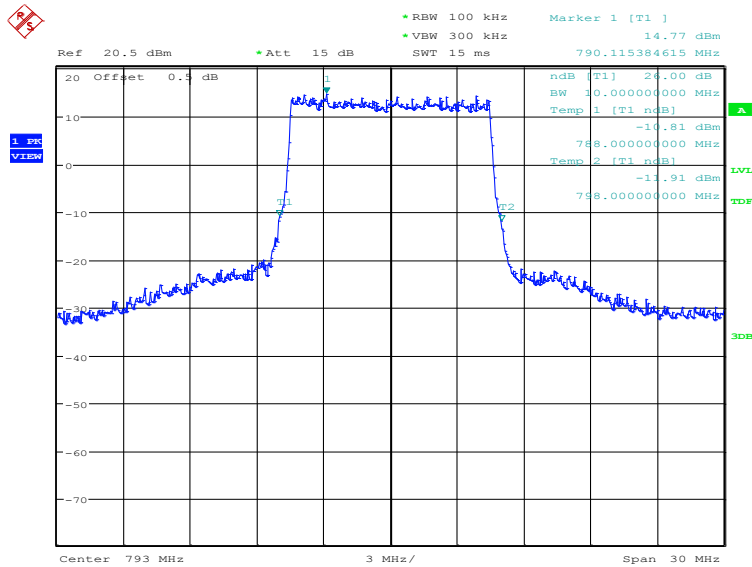
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
793.0	QPSK	16QAM
	9903.85	10000.00

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



Date: 7.SEP.2023 15:04:12

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

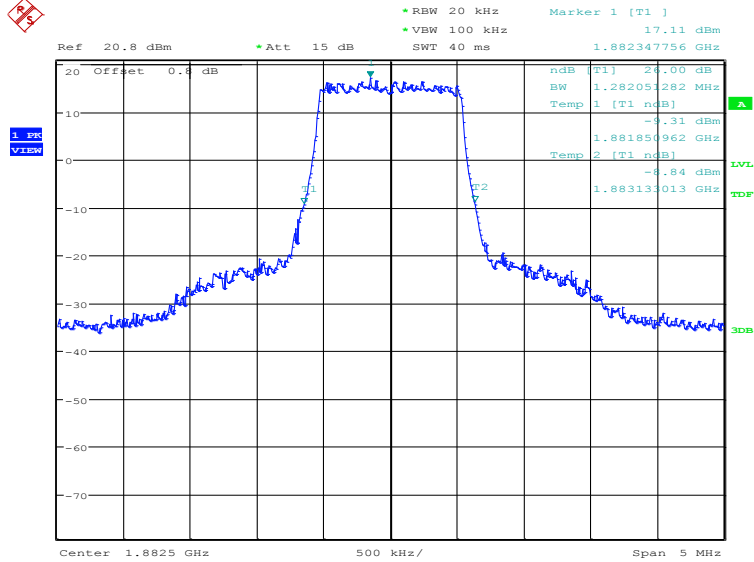


Date: 7.SEP.2023 15:04:53

LTE band 25, 1.4MHz (-26dBc)

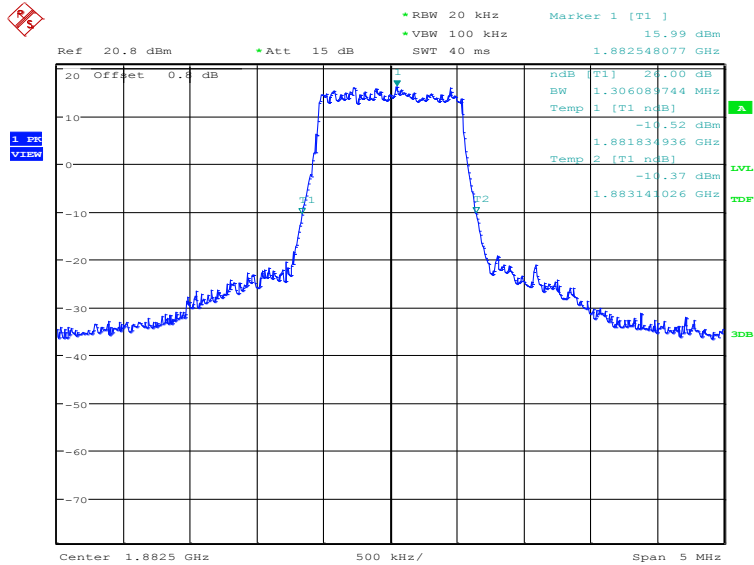
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	1282.05	1306.09

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



Date: 7.SEP.2023 15:05:38

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

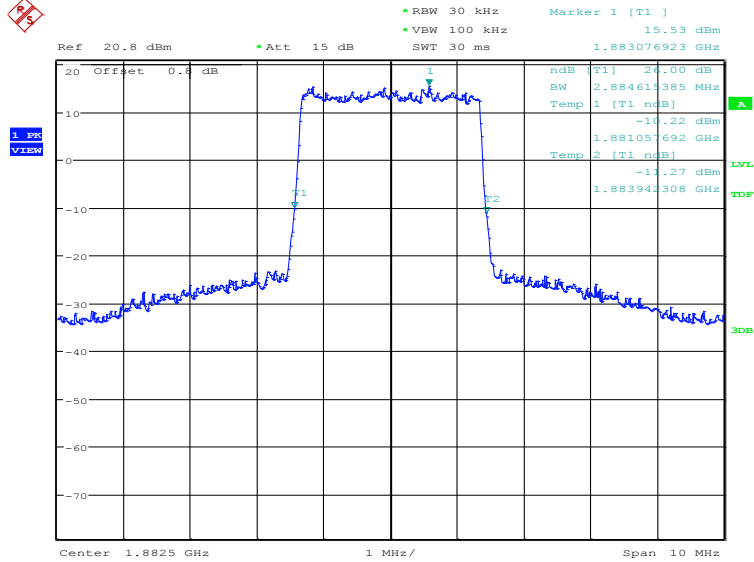


Date: 7.SEP.2023 15:06:19

LTE band 25, 3MHz (-26dBc)

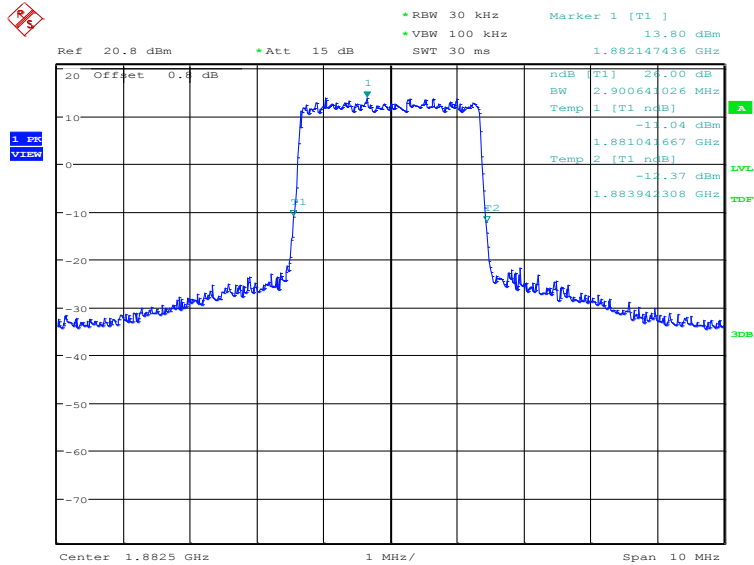
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	2884.62	2900.64

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



Date: 7.SEP.2023 15:07:02

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

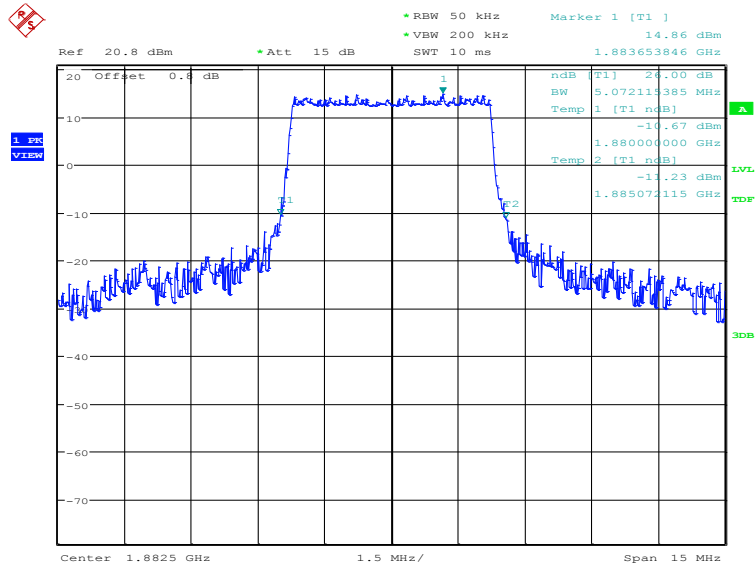


Date: 7.SEP.2023 15:07:43

LTE band 25, 5MHz (-26dBc)

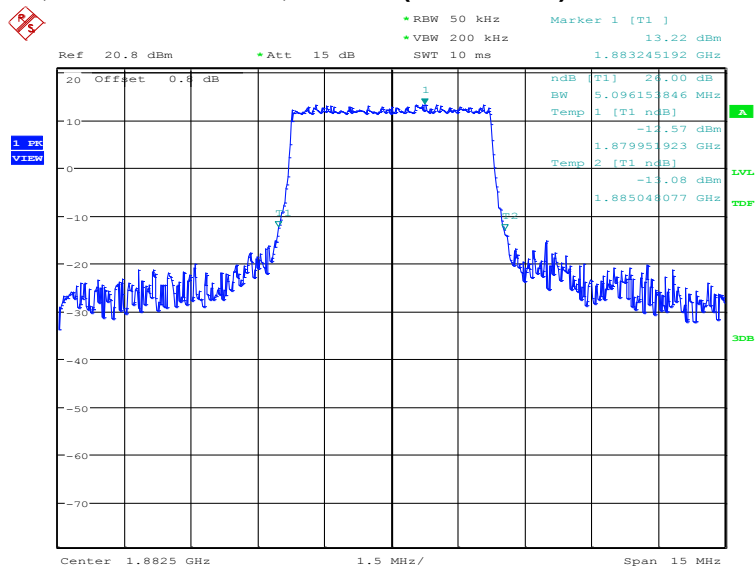
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	5072.12	5096.15

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



Date: 7.SEP.2023 15:08:26

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

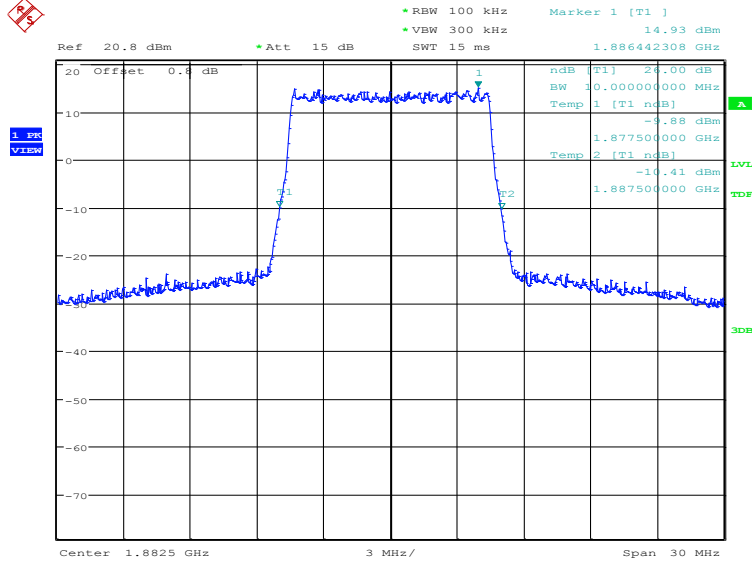


Date: 7.SEP.2023 15:09:08

LTE band 25, 10MHz (-26dBc)

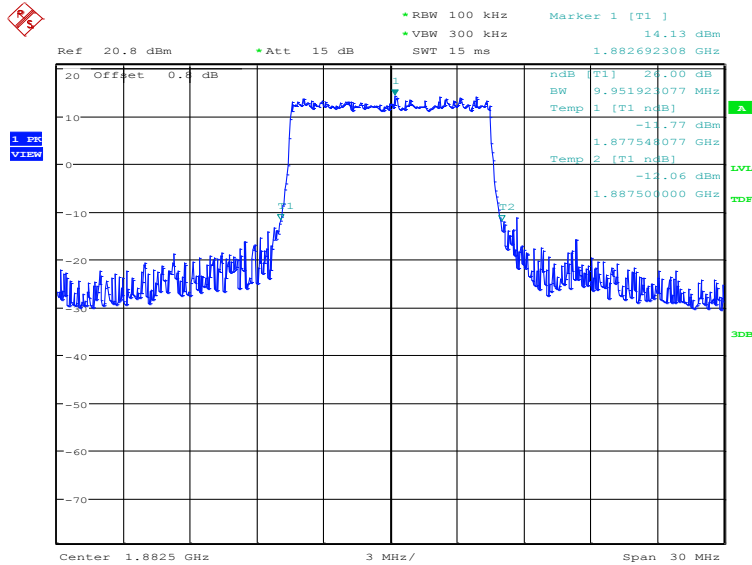
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	10000.00	9951.92

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



Date: 7.SEP.2023 15:09:51

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

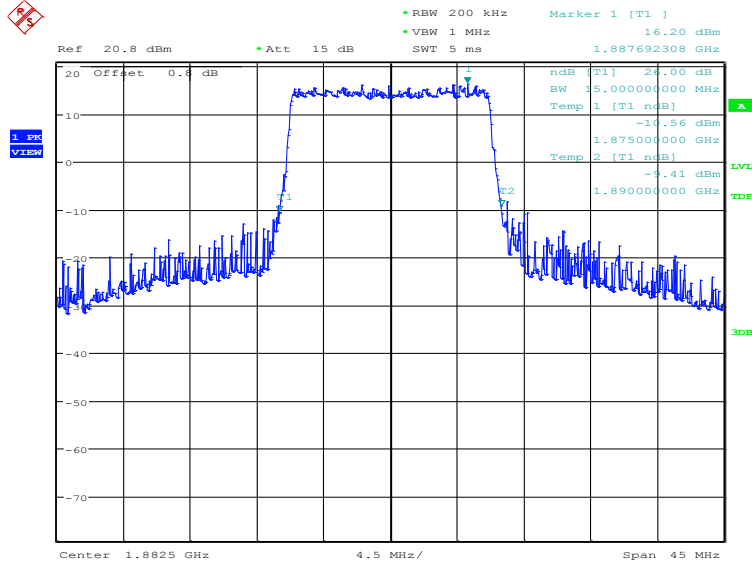


Date: 7.SEP.2023 15:10:32

LTE band 25, 15MHz (-26dBc)

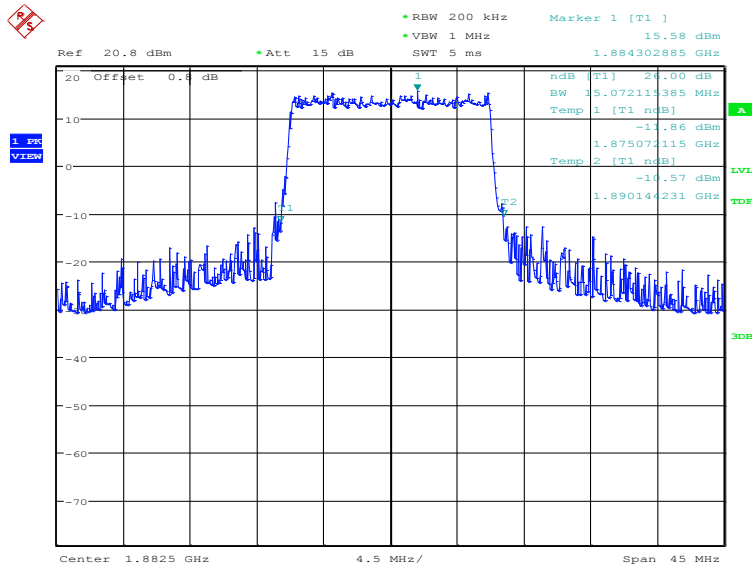
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	15000.00	15072.12

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



Date: 7.SEP.2023 15:11:15

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

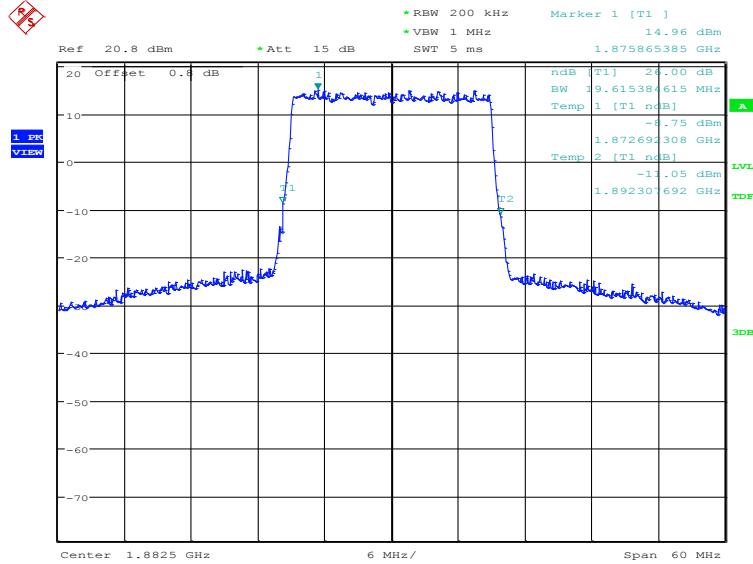


Date: 7.SEP.2023 15:11:56

LTE band 25, 20MHz (-26dBc)

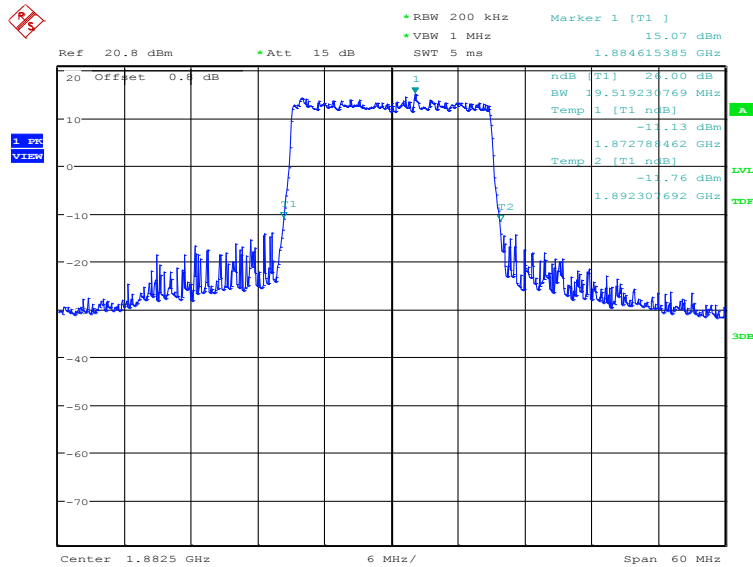
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1882.5	QPSK
	19615.38	19519.23

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



Date: 7.SEP.2023 15:12:40

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

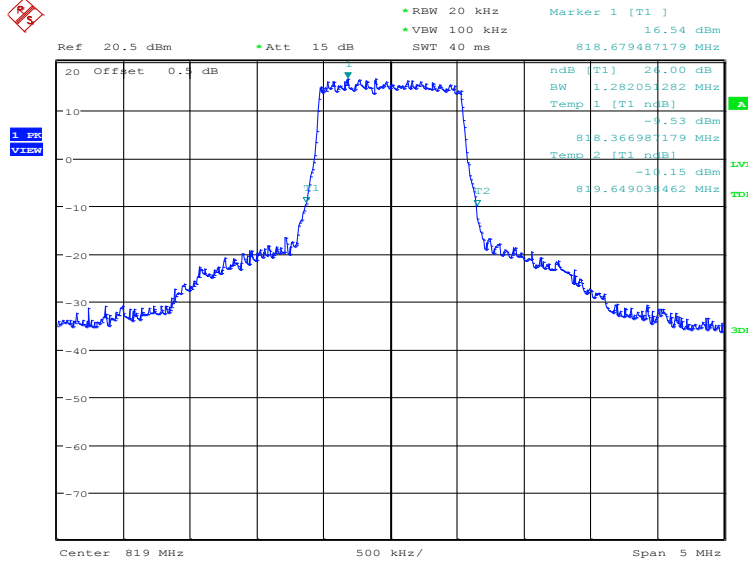


Date: 7.SEP.2023 15:13:21

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

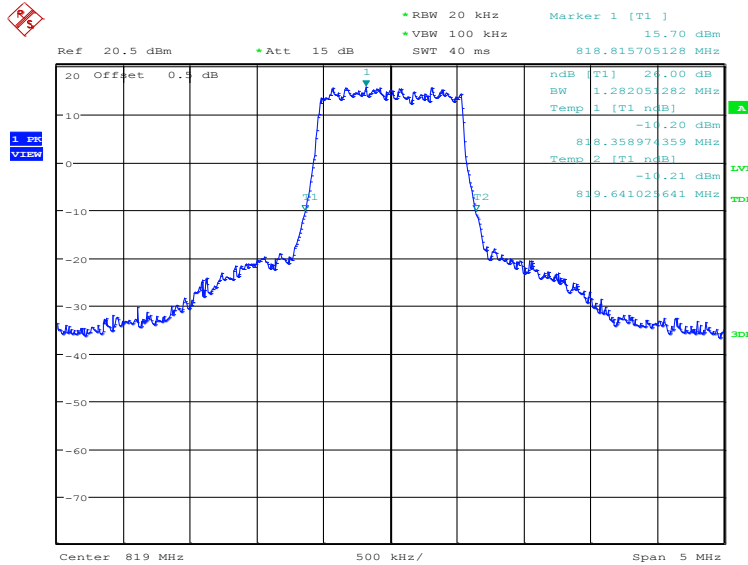
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	1282.05	1282.05

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



Date: 7.SEP.2023 15:21:51

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

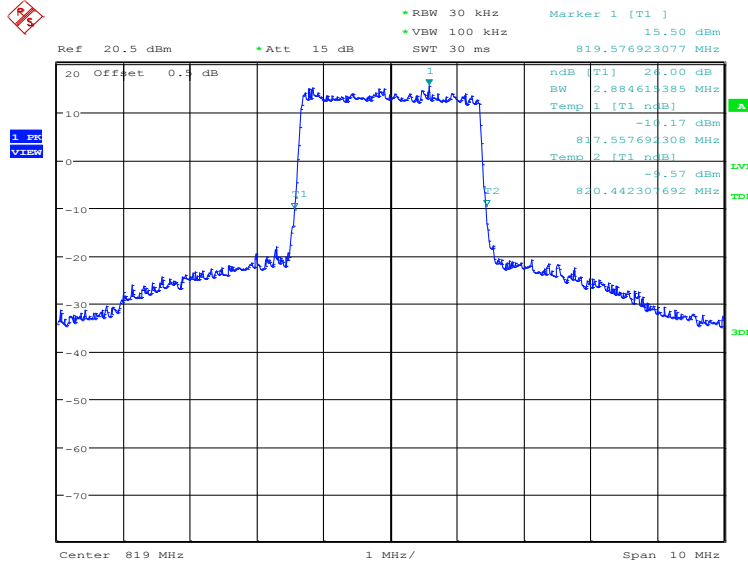


Date: 7.SEP.2023 15:22:32

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

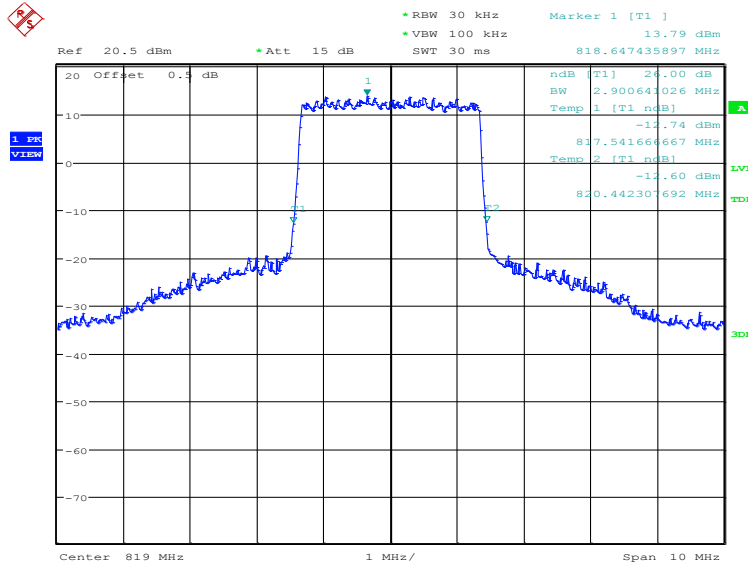
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	2884.62	2900.64

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



Date: 7.SEP.2023 15:23:15

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

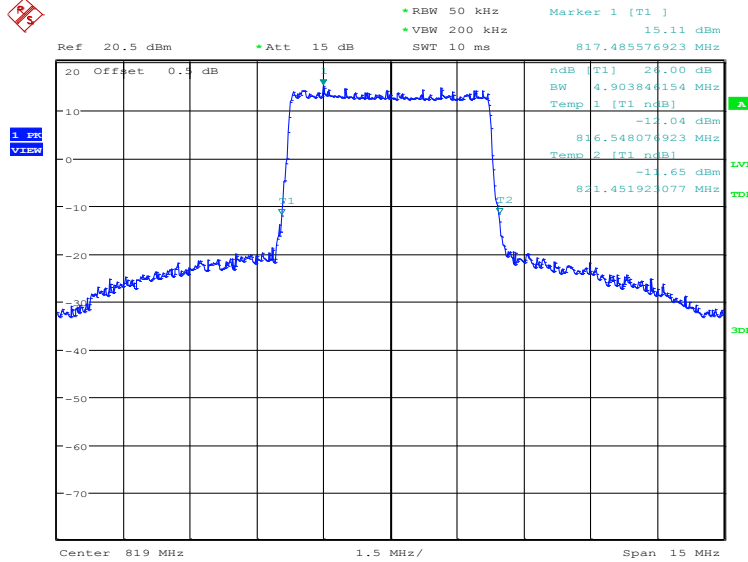


Date: 7.SEP.2023 15:23:57

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

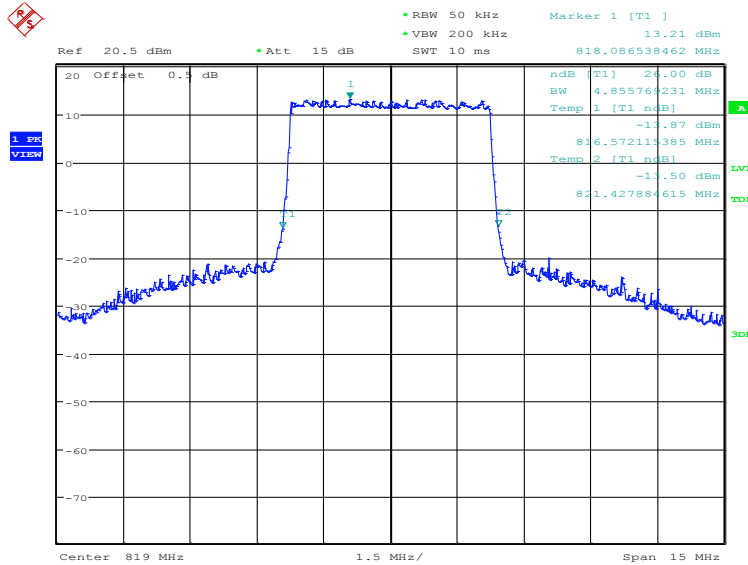
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	4903.85	4855.77

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



Date: 7.SEP.2023 15:24:40

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

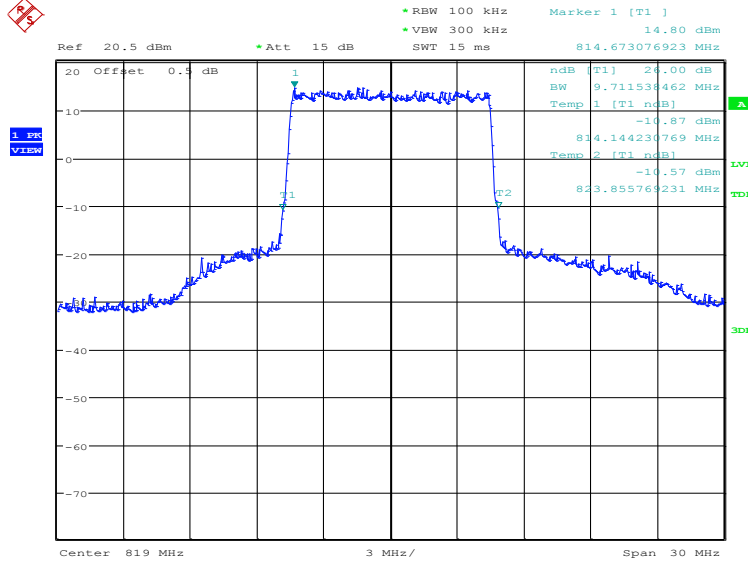


Date: 7.SEP.2023 15:25:21

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

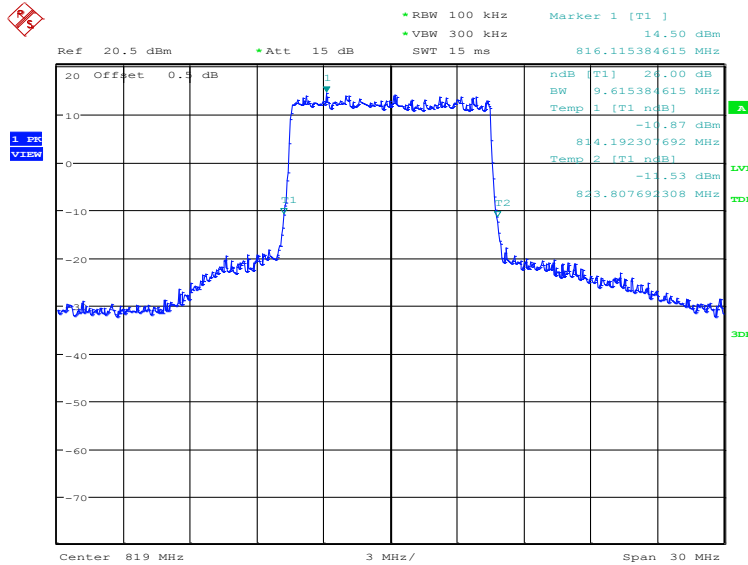
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	9711.54	9615.38

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



Date: 7.SEP.2023 15:26:05

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

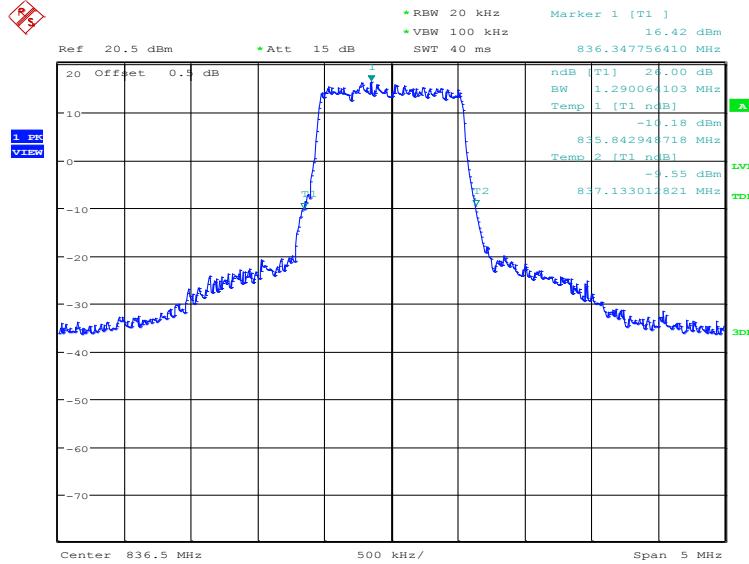


Date: 7.SEP.2023 15:26:46

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

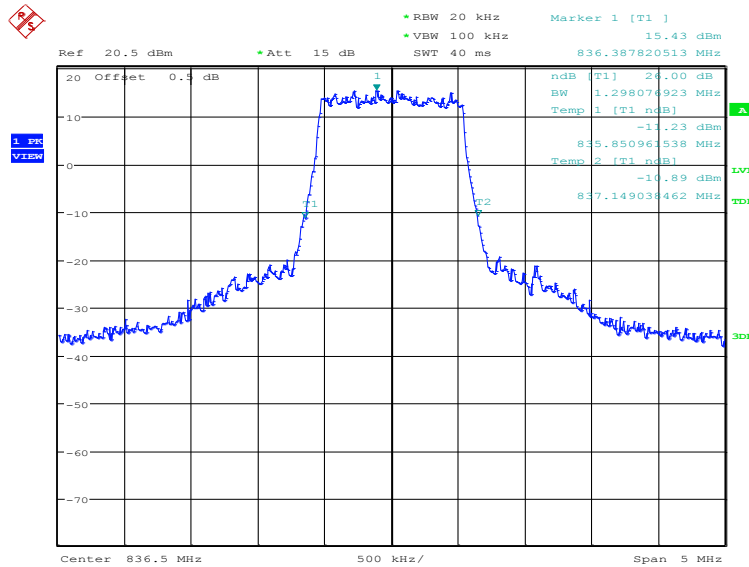
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	1290.06	1298.08

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



Date: 7.SEP.2023 15:14:06

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

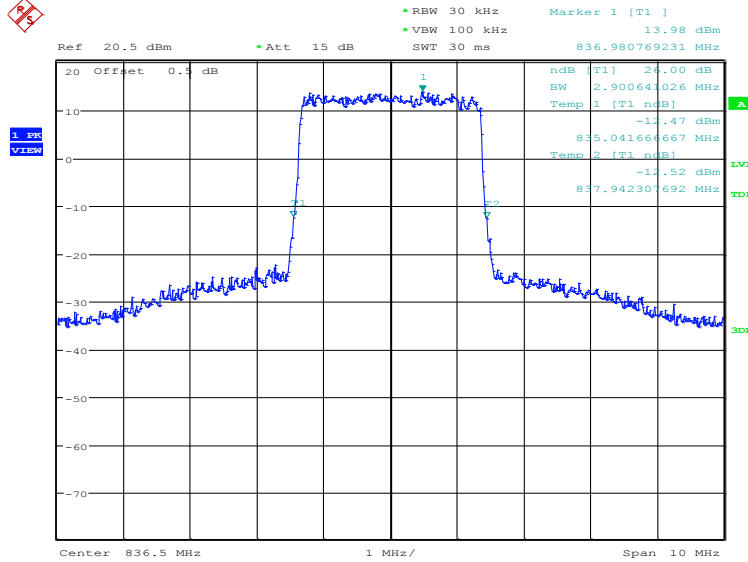


Date: 7.SEP.2023 15:14:48

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

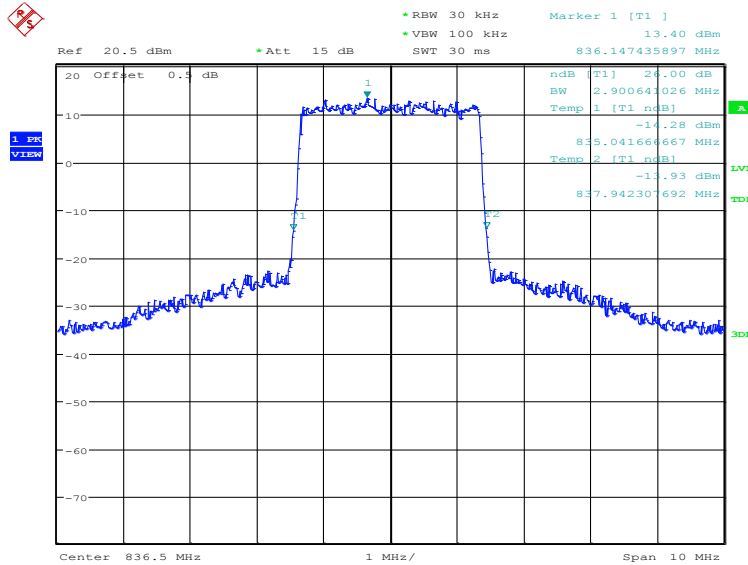
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	2900.64	2900.64

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



Date: 7.SEP.2023 15:15:31

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

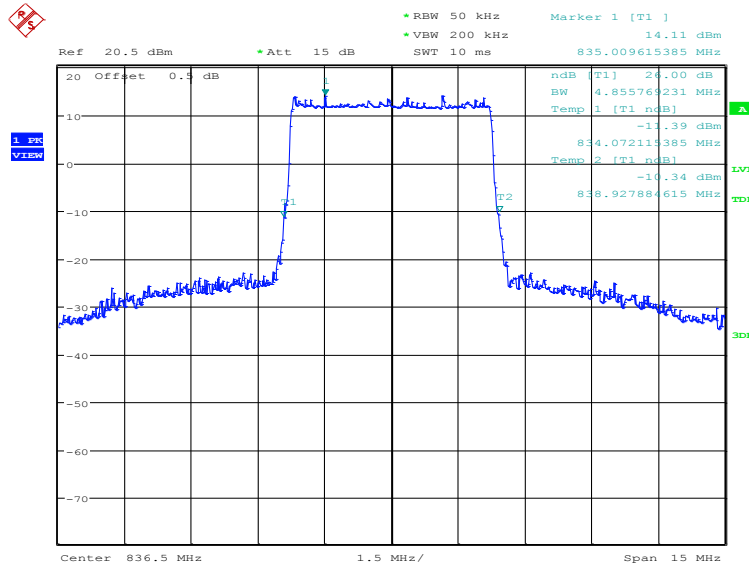


Date: 7.SEP.2023 15:16:12

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

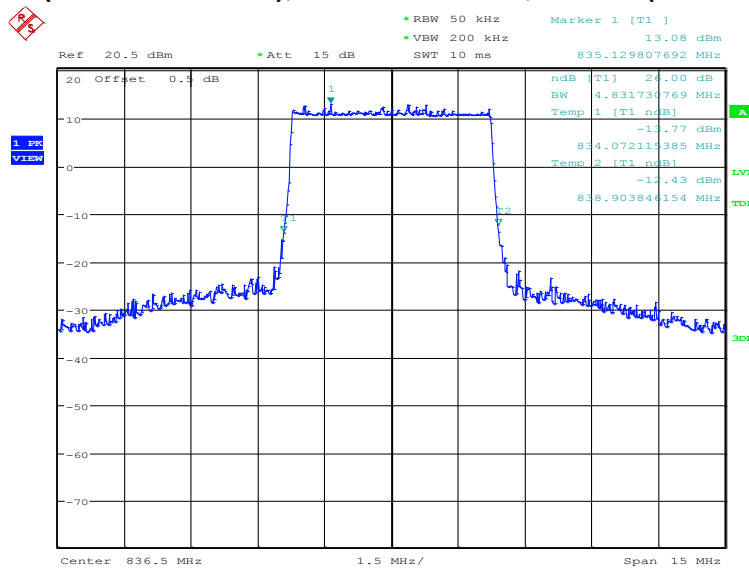
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	4855.77	4831.73

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



Date: 7.SEP.2023 15:16:56

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

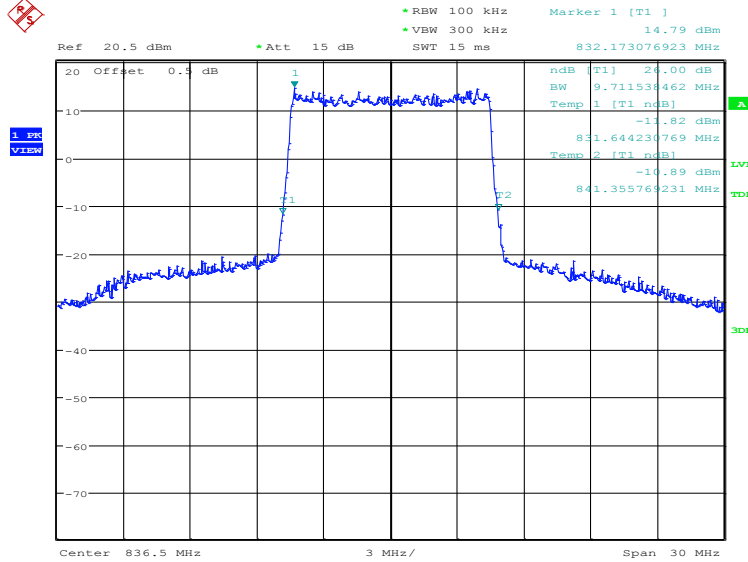


Date: 7.SEP.2023 15:17:37

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

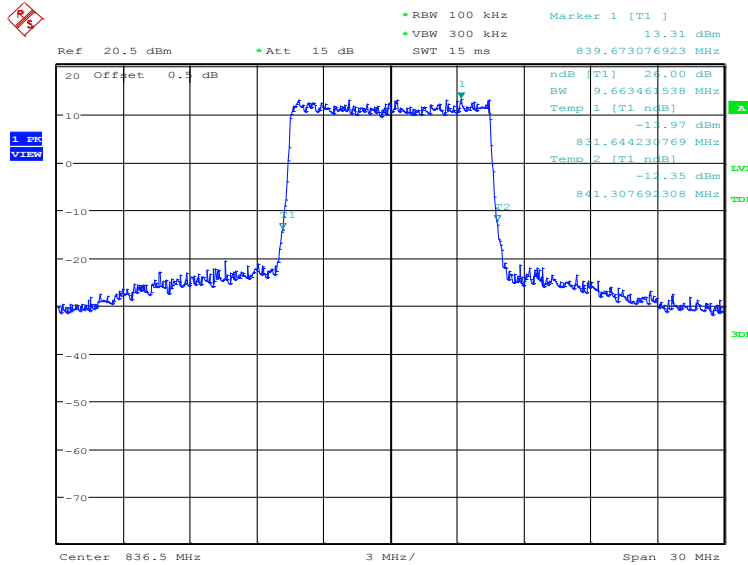
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	9711.54	9663.46

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



Date: 7.SEP.2023 15:18:21

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

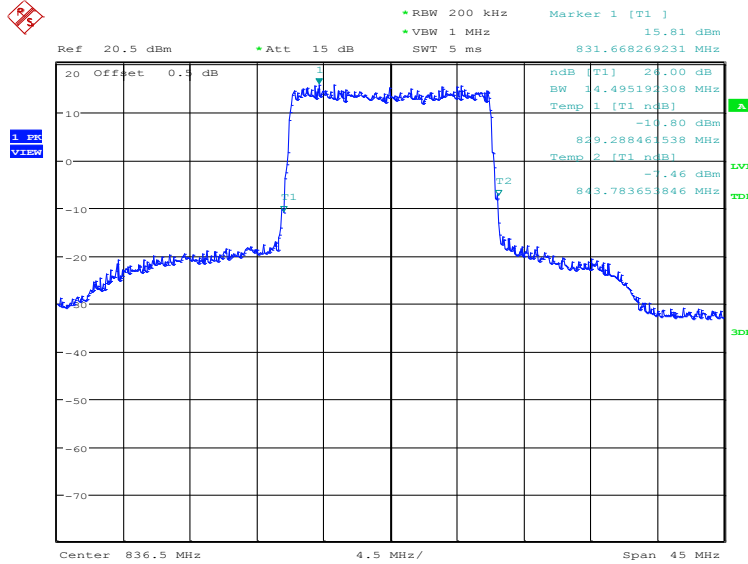


Date: 7.SEP.2023 15:19:02

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

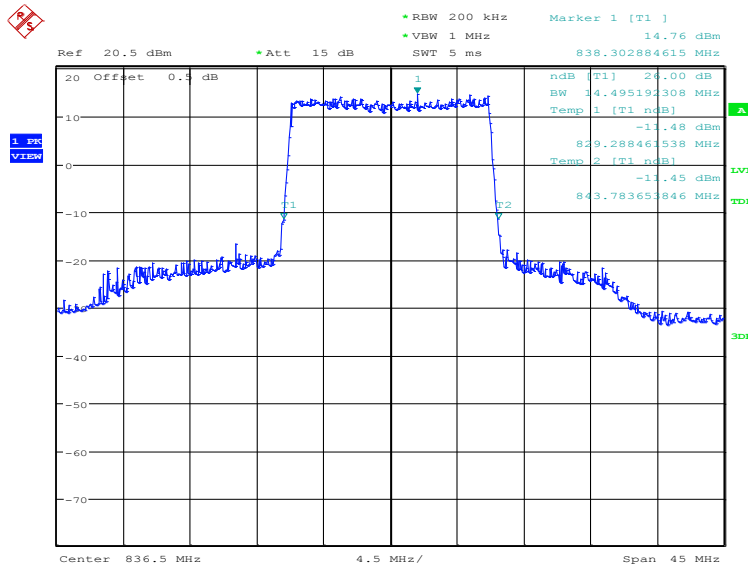
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	14495.19	14495.19

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



Date: 7.SEP.2023 15:19:45

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

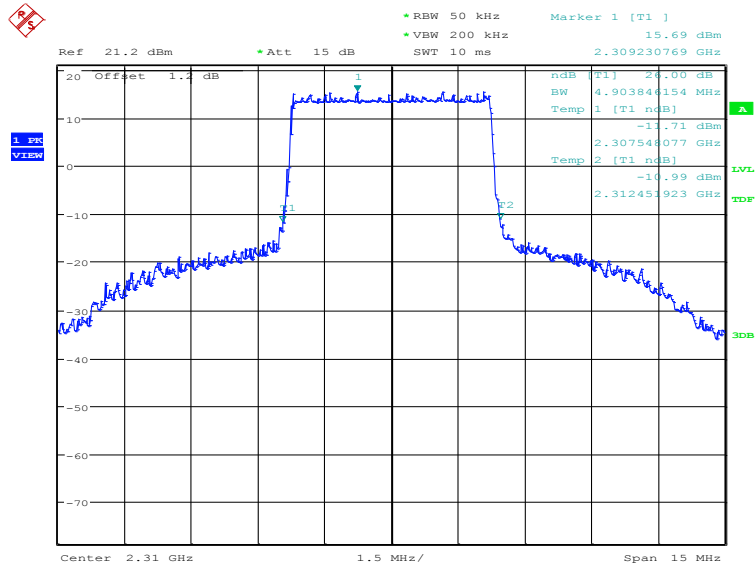


Date: 7.SEP.2023 15:20:26

LTE band 30, 5MHz (-26dBc)

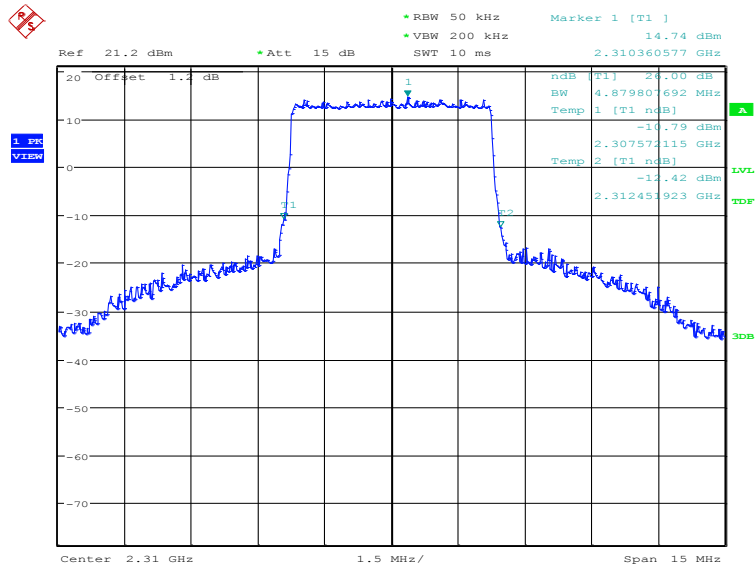
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2310.0	QPSK	16QAM
	4903.85	4879.81

LTE band 30, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 7.SEP.2023 15:27:30

LTE band 30, 5MHz Bandwidth, 16QAM (-26dBc BW)

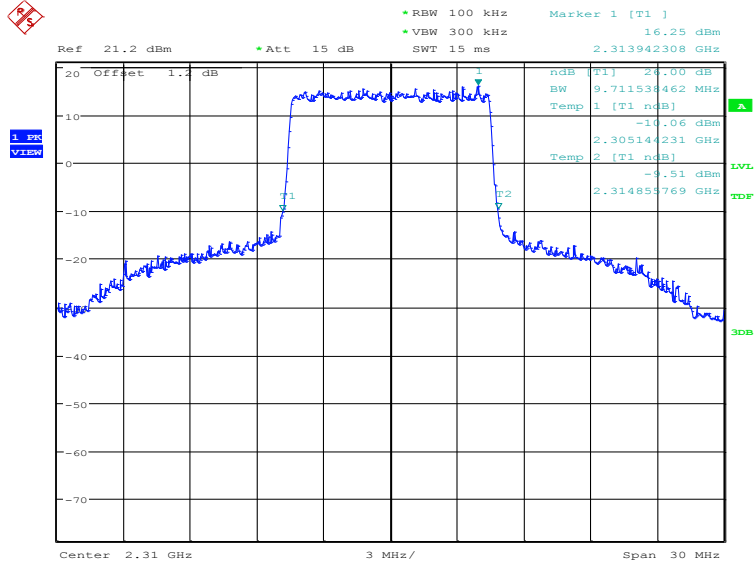


Date: 7.SEP.2023 15:28:12

LTE band 30, 10MHz (-26dBc)

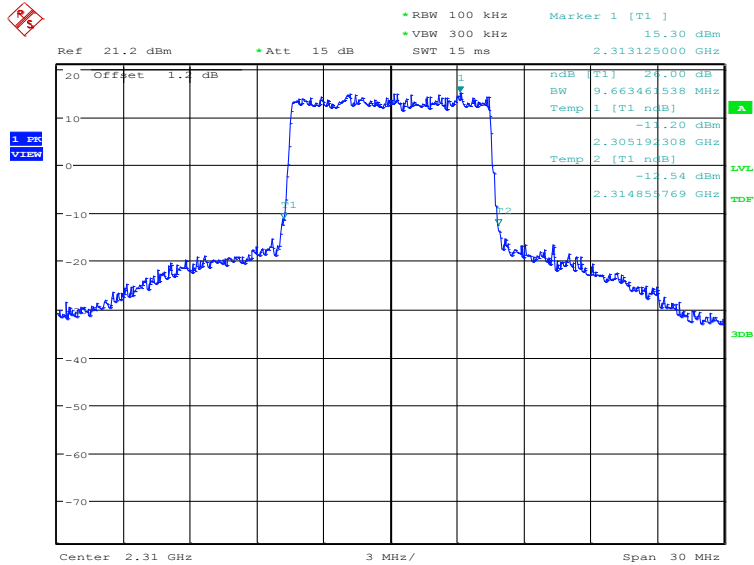
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	2310.0	QPSK
	9711.54	9663.46

LTE band 30, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 7.SEP.2023 15:28:55

LTE band 30, 10MHz Bandwidth,16QAM (-26dBc BW)

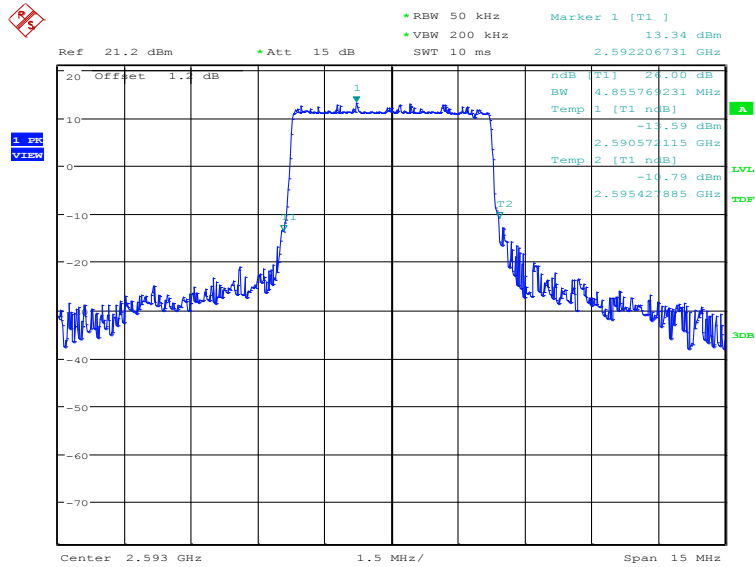


Date: 7.SEP.2023 15:29:37

LTE band 41, 5MHz (-26dBc)

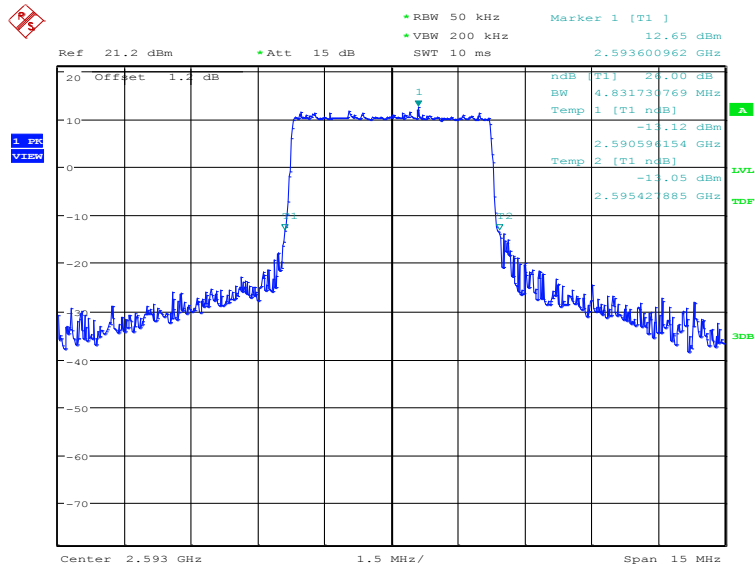
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	4855.77	4831.73

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



Date: 7.SEP.2023 15:39:35

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

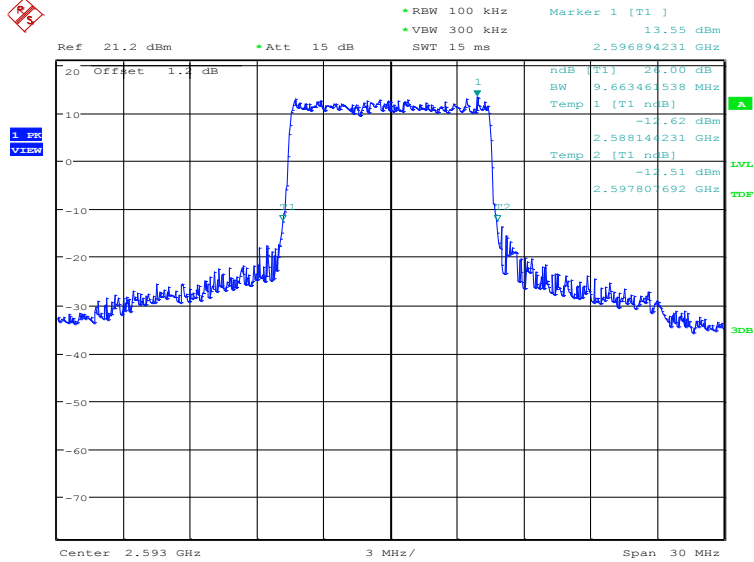


Date: 7.SEP.2023 15:40:16

LTE band 41, 10MHz (-26dBc)

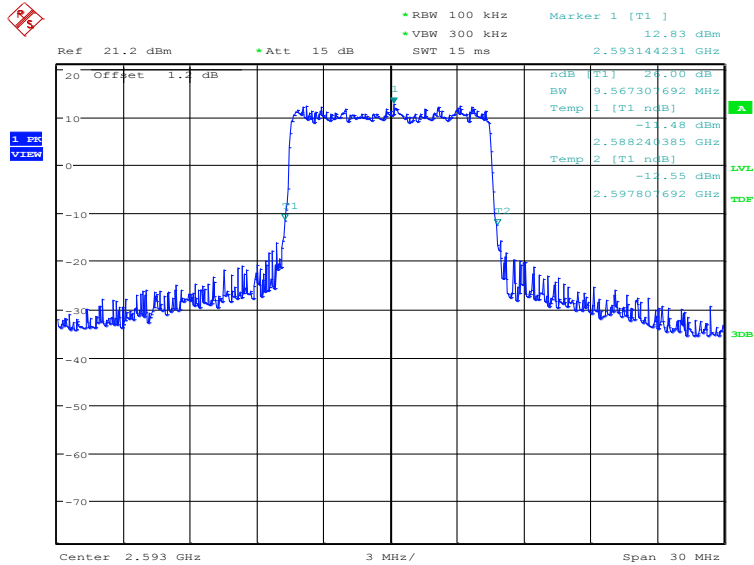
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	9663.46	9567.31

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



Date: 7.SEP.2023 15:41:00

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

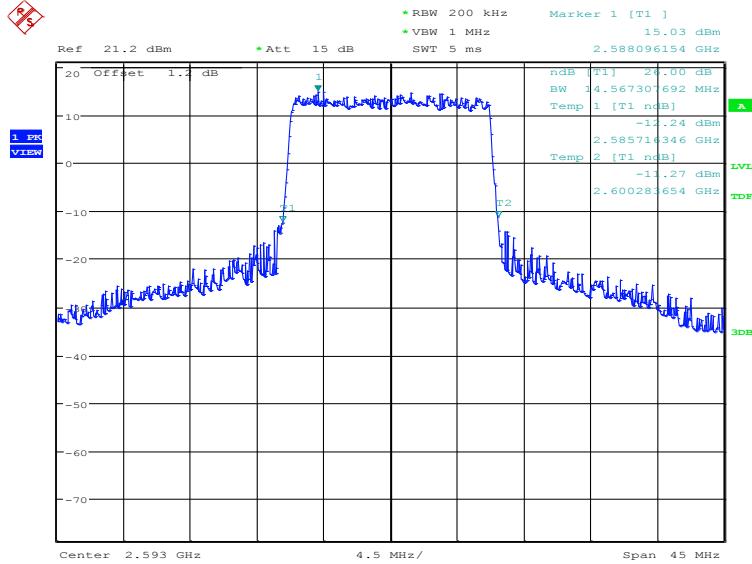


Date: 7.SEP.2023 15:41:41

LTE band 41, 15MHz (-26dBc)

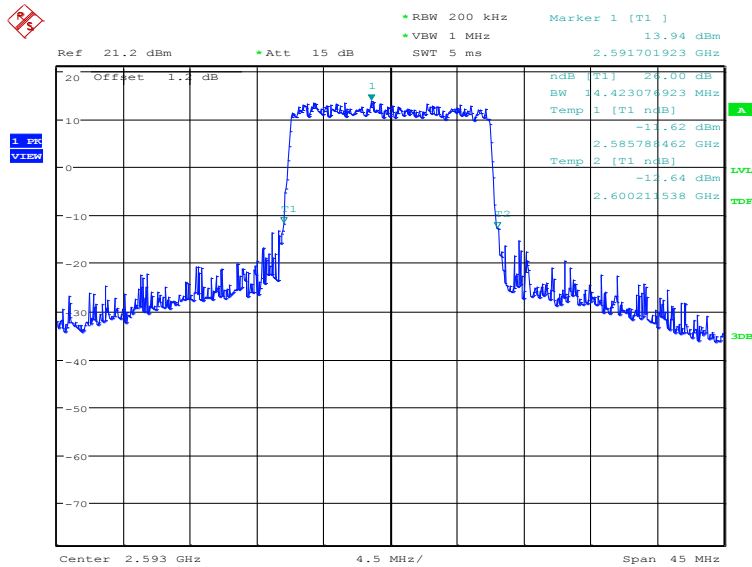
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	14567.31	14423.08

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



Date: 7.SEP.2023 15:42:25

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

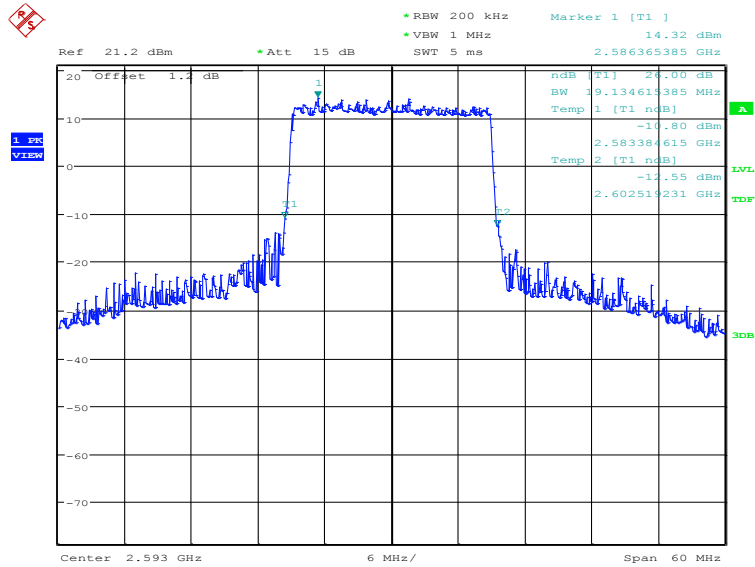


Date: 7.SEP.2023 15:43:06

LTE band 41, 20MHz (-26dBc)

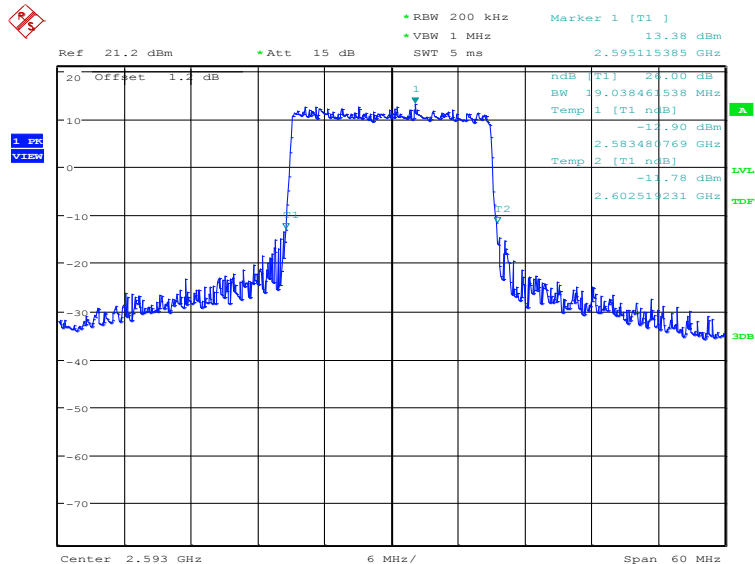
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	19134.62	19038.46

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



Date: 7.SEP.2023 15:43:50

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

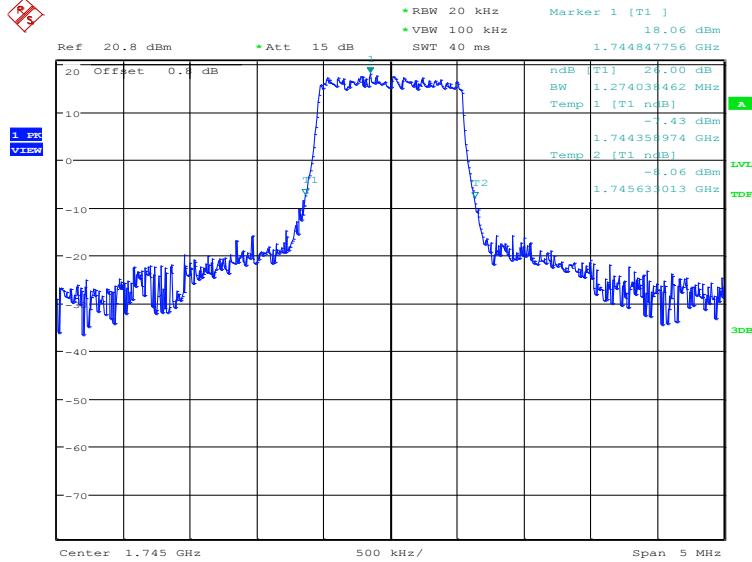


Date: 7.SEP.2023 15:44:32

LTE band 66, 1.4MHz (-26dBc)

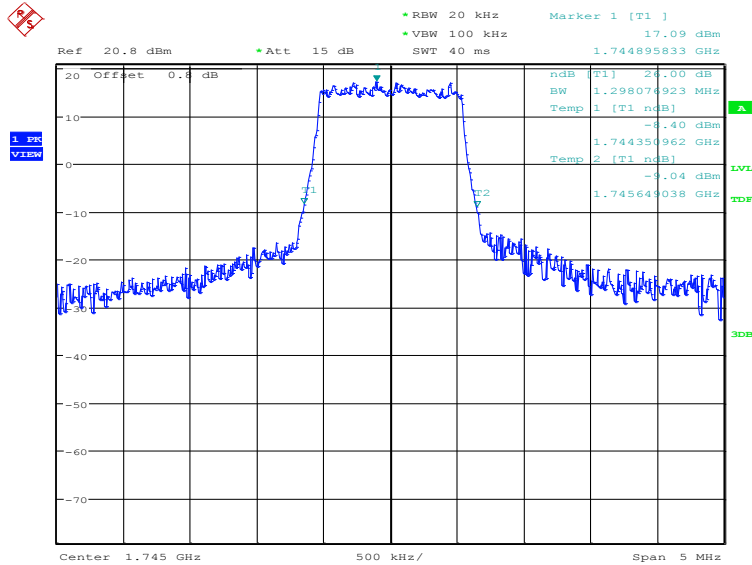
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	1274.04	1298.08

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



Date: 7.SEP.2023 15:30:21

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

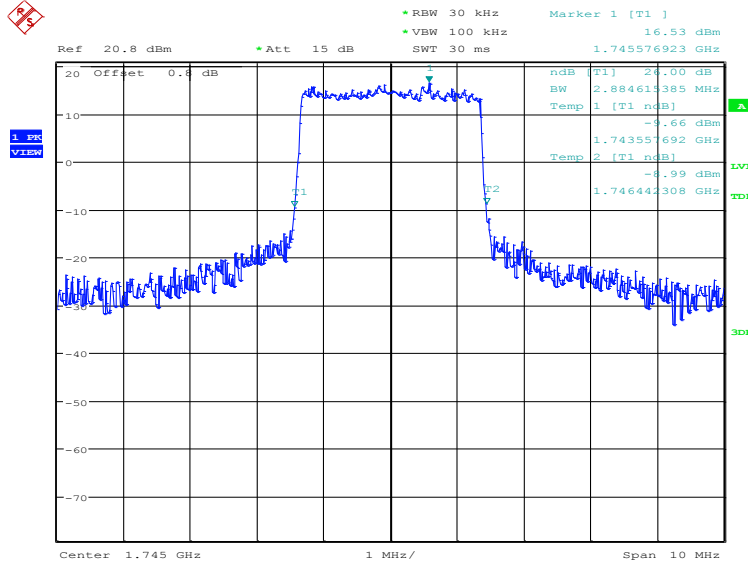


Date: 7.SEP.2023 15:31:03

LTE band 66, 3MHz (-26dBc)

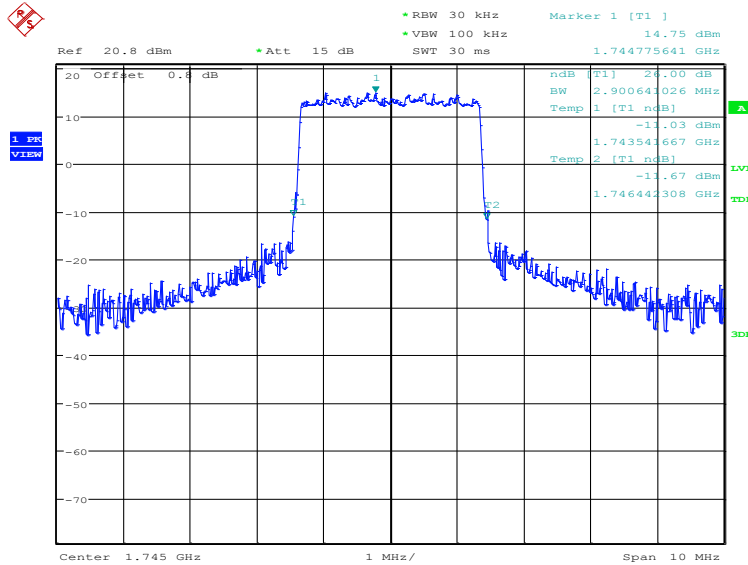
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	2884.62	2900.64

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



Date: 7.SEP.2023 15:31:46

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

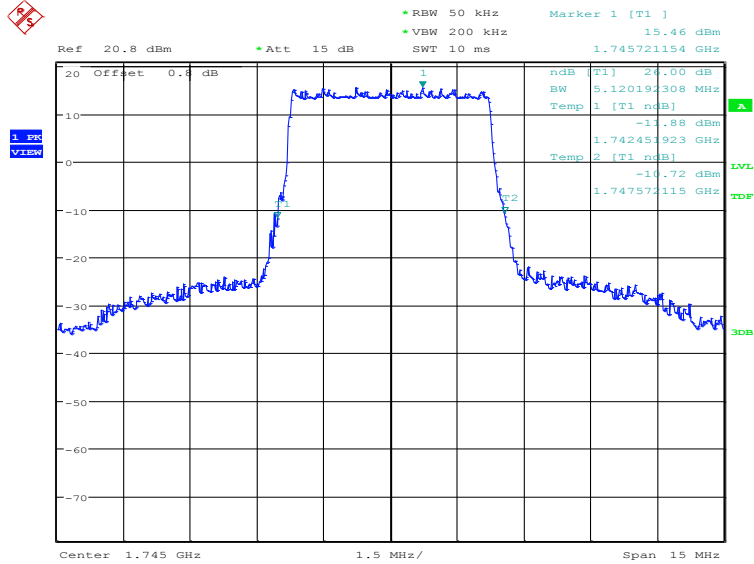


Date: 7.SEP.2023 15:32:27

LTE band 66, 5MHz (-26dBc)

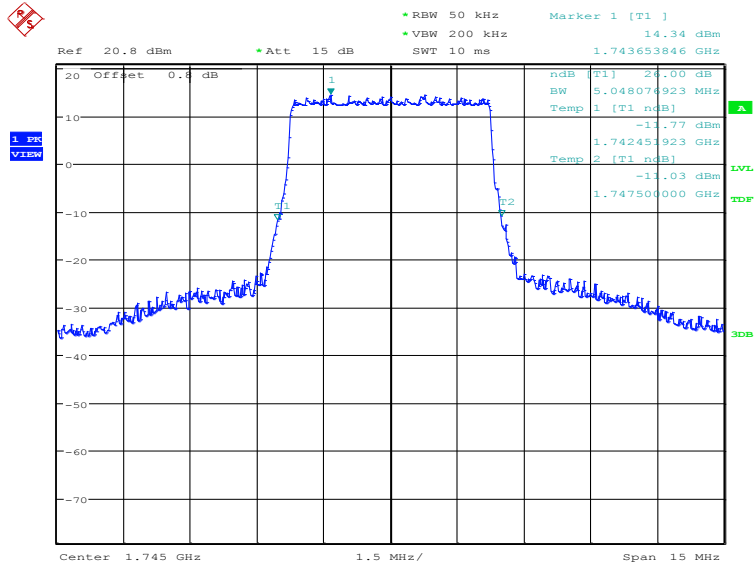
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	5120.19	5048.08

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



Date: 7.SEP.2023 15:33:10

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

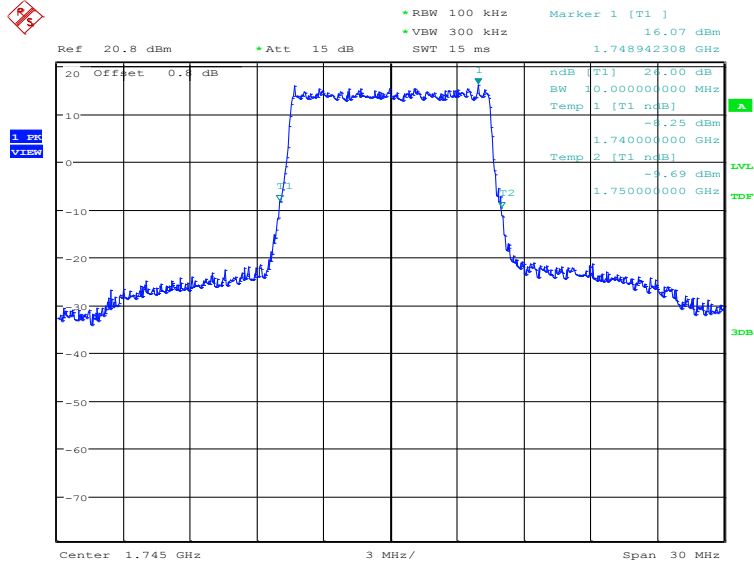


Date: 7.SEP.2023 15:33:52

LTE band 66, 10MHz (-26dBc)

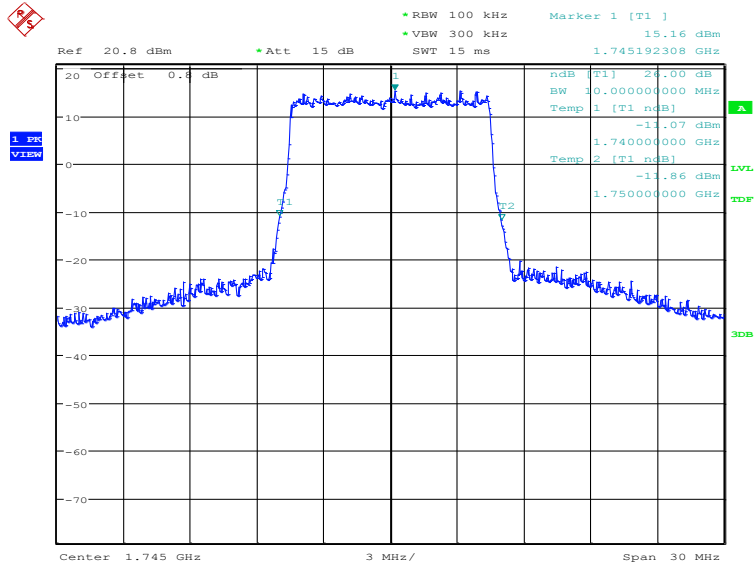
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	10000.00	10000.00

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



Date: 7.SEP.2023 15:34:36

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

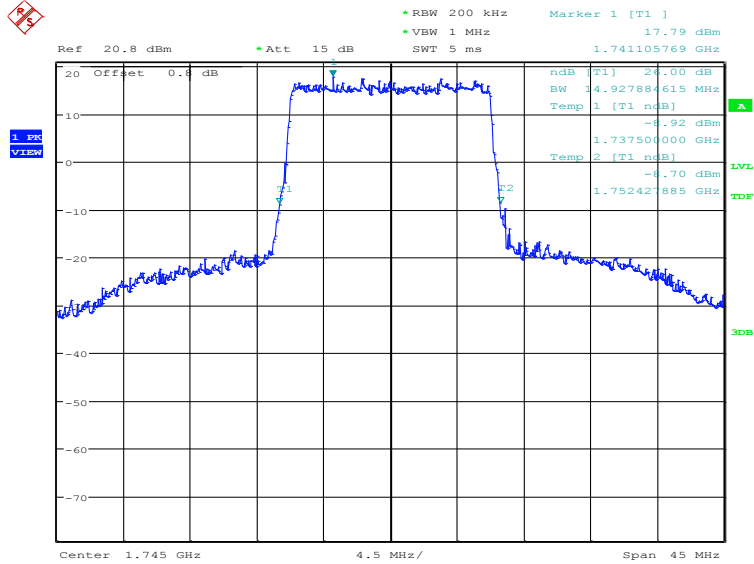


Date: 7.SEP.2023 15:35:17

LTE band 66, 15MHz (-26dBc)

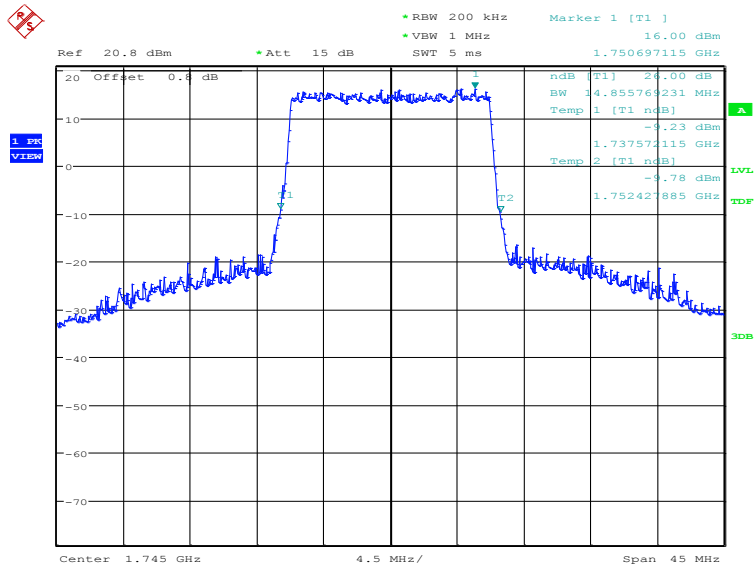
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	14927.88	14855.77

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



Date: 7.SEP.2023 15:36:00

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

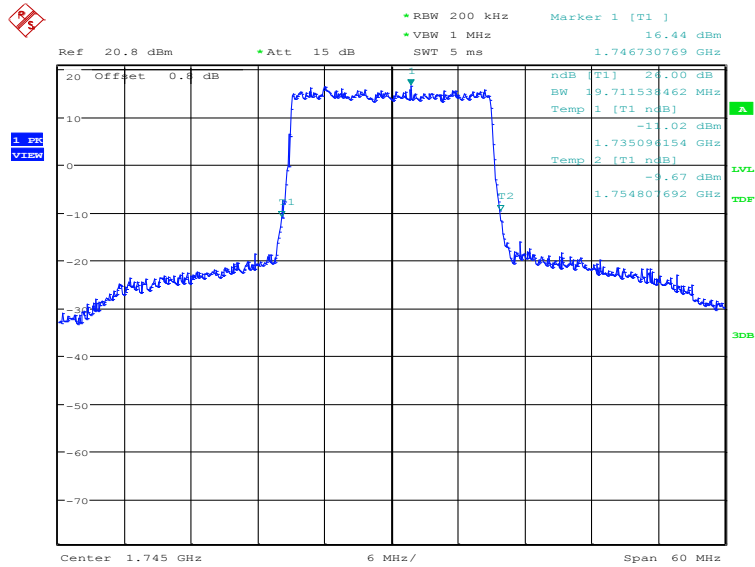


Date: 7.SEP.2023 15:36:41

LTE band 66, 20MHz (-26dBc)

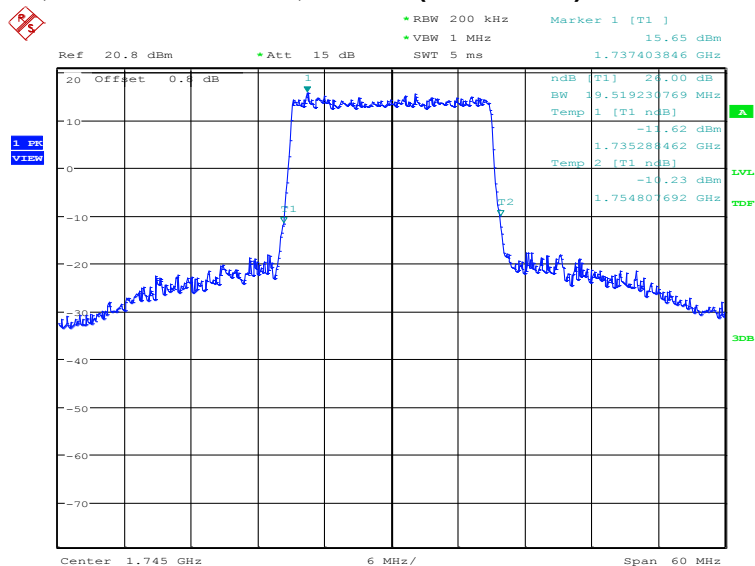
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1745.0	QPSK
	19711.54	19519.23

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



Date: 7.SEP.2023 15:37:25

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



Date: 7.SEP.2023 15:38:06

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

A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 22.917, Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Part 27.53(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

Part 90.543 states that for operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations. (2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations. (3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log(P)$ dB. (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the

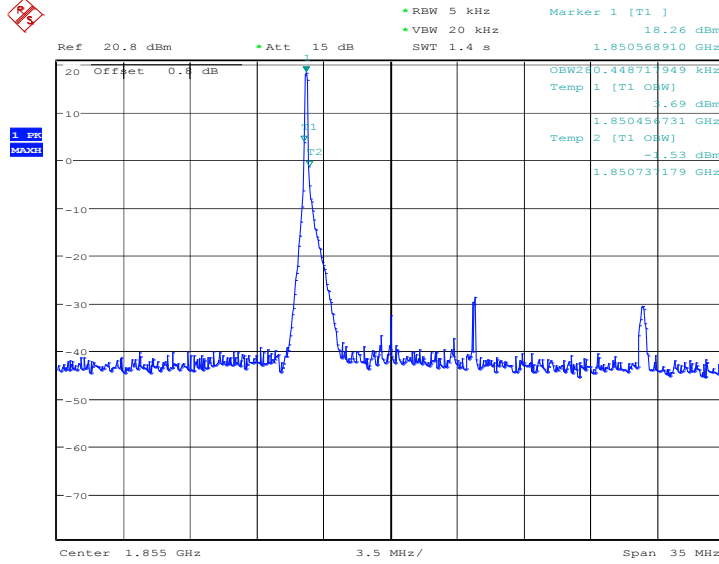


use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment. (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

Part 90.691 states that out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows: For any frequency removed from the EA licensee’s frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116\text{Log}_{10}(f/6.1)$ decibels or $50 + 10\text{Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. For any frequency removed from the EA licensee’s frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\text{Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

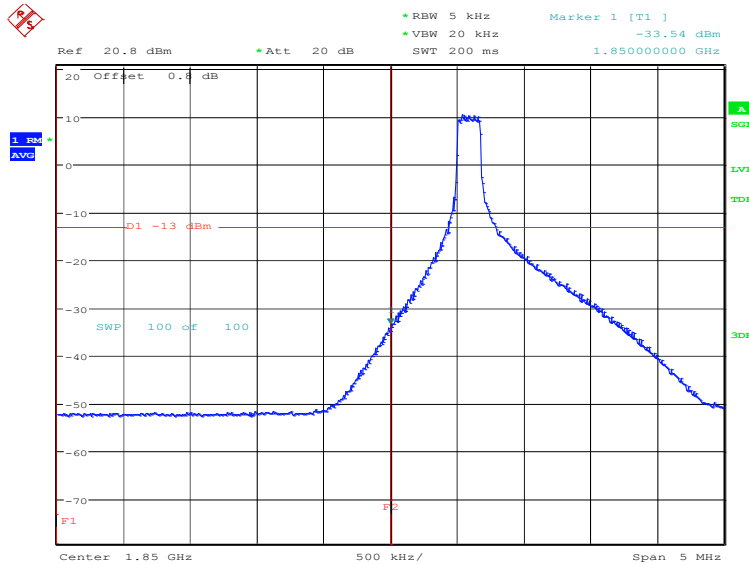
The spectrum analyzer readings are corrected by $[10\text{log}(1/\text{duty cycle})]$ for the non-continuous transmitting scenario.

A.6.2 Measurement result
Only the worst case result is given below
LTE band 2
OBW: 1RB-low_offset



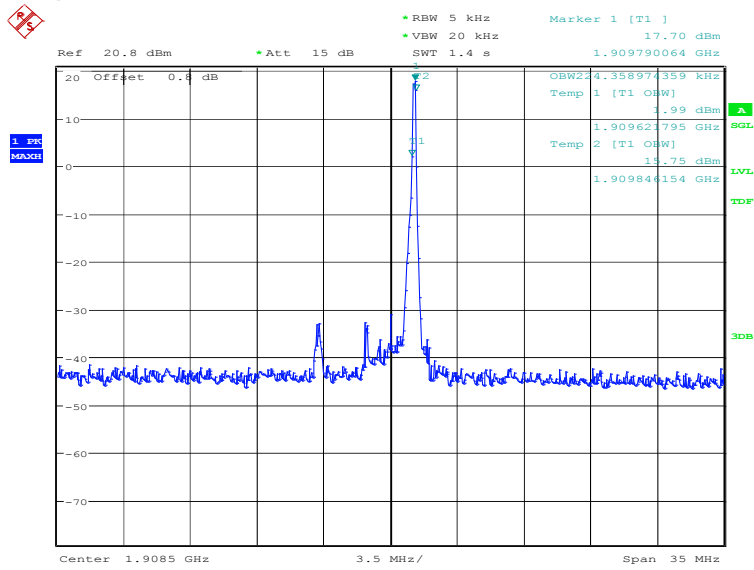
Date: 19.SEP.2023 14:37:40

LOW BAND EDGE BLOCK-1RB-low_offset



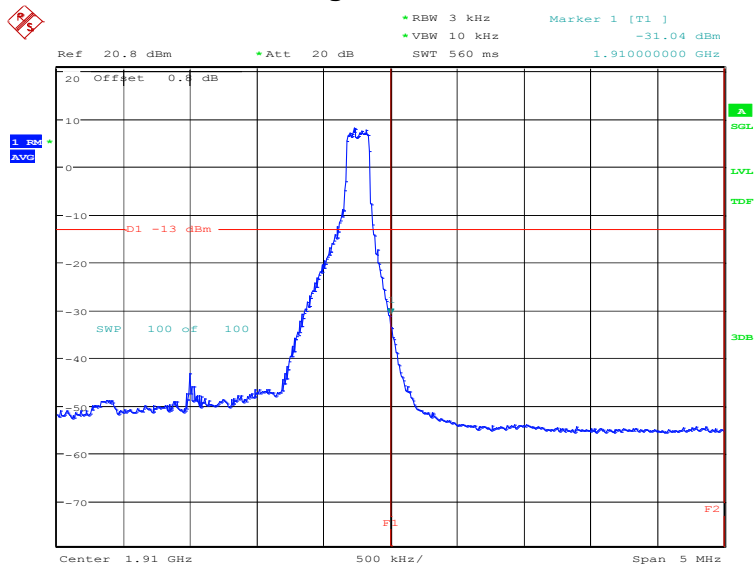
Date: 19.SEP.2023 14:38:55

OBW: 1RB-high_offset



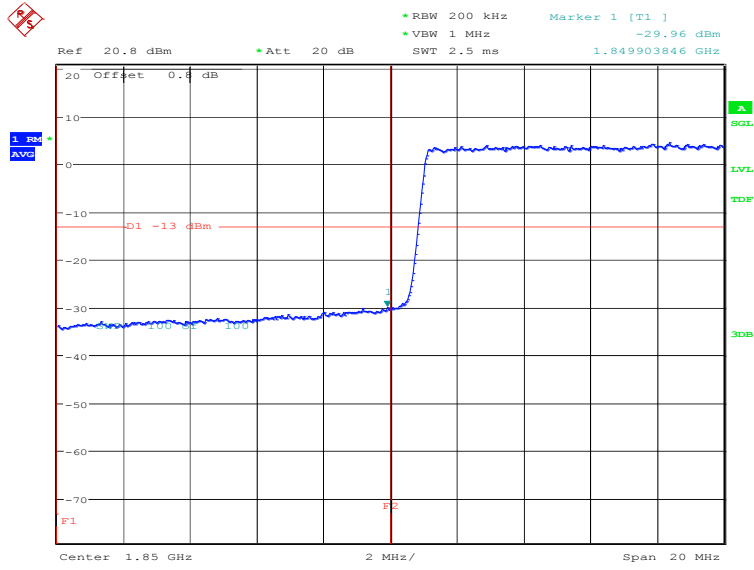
Date: 19.SEP.2023 14:41:46

HIGH BAND EDGE BLOCK-1RB-high_offset



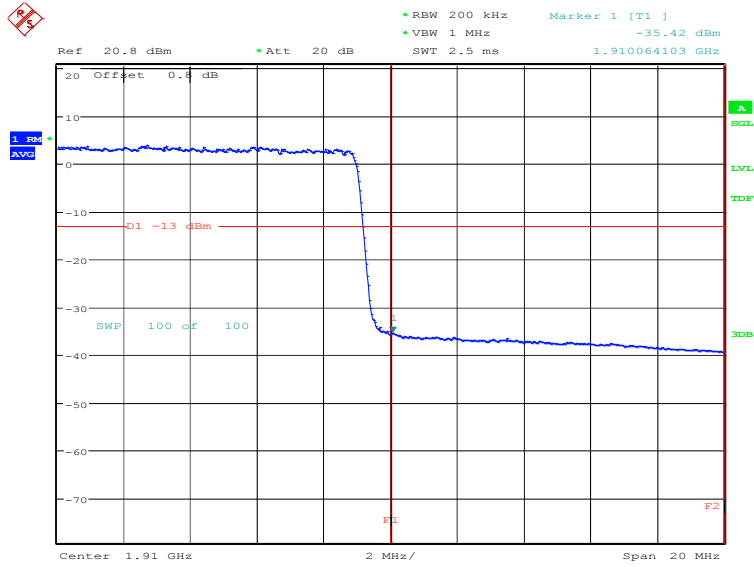
Date: 19.SEP.2023 14:43:00

LOW BAND EDGE BLOCK-20MHz-100%RB



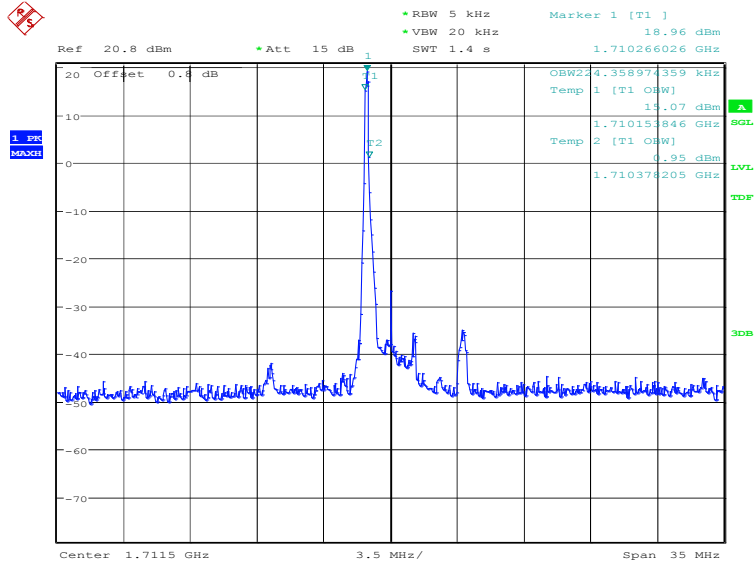
Date: 19.SEP.2023 14:39:30

HIGH BAND EDGE BLOCK-20MHz-100%RB



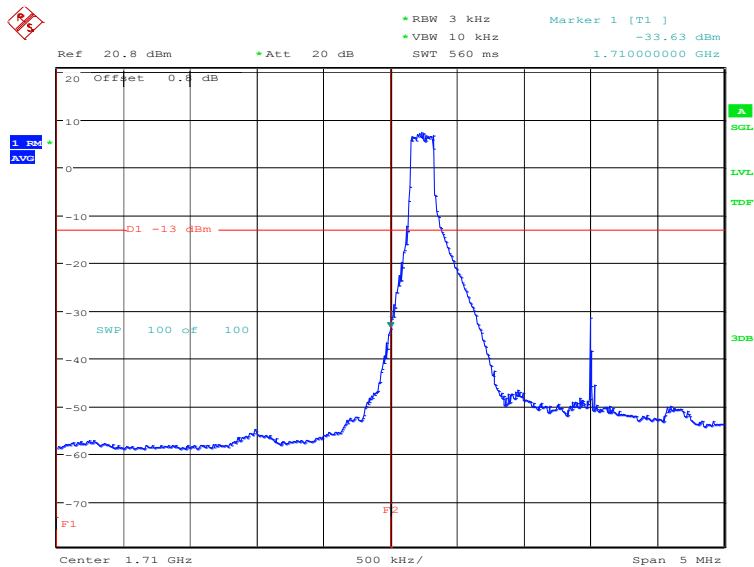
Date: 19.SEP.2023 14:45:13

LTE band 4
OBW: 1RB-low_offset



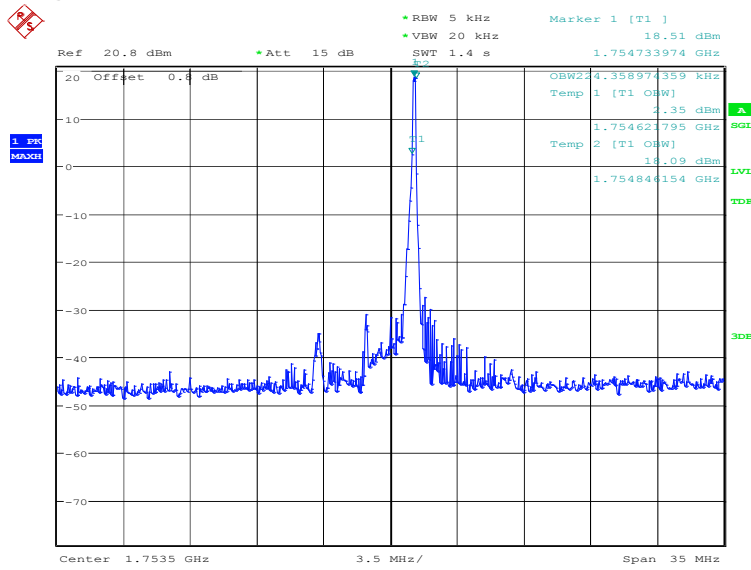
Date: 19.SEP.2023 15:50:39

LOW BAND EDGE BLOCK-1RB-low_offset



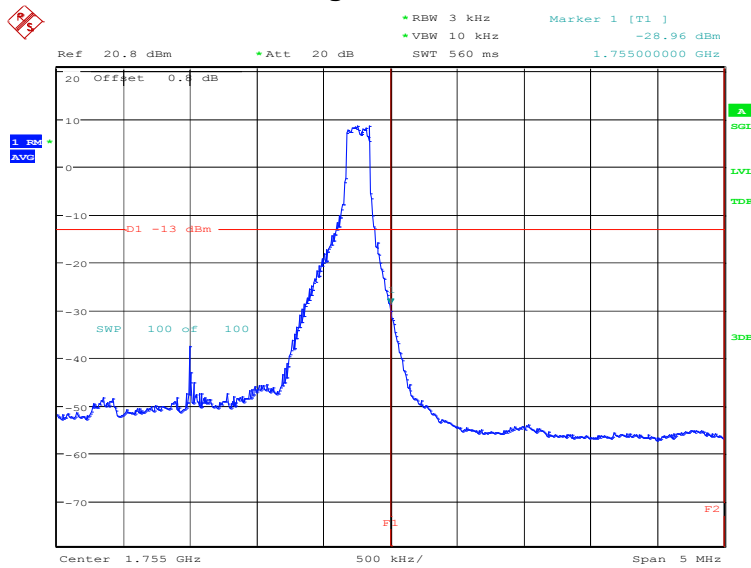
Date: 19.SEP.2023 15:51:53

OBW: 1RB-high_offset



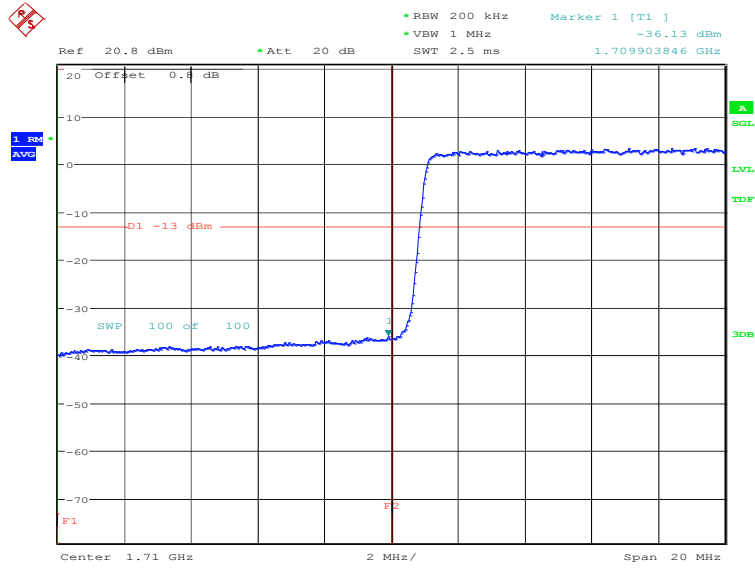
Date: 19.SEP.2023 15:54:45

HIGH BAND EDGE BLOCK-1RB-high_offset



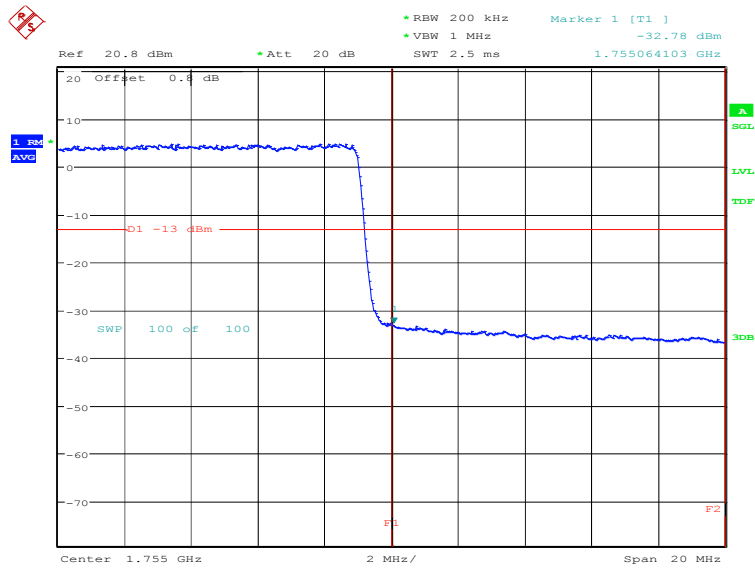
Date: 19.SEP.2023 15:55:59

LOW BAND EDGE BLOCK-20MHz-100%RB



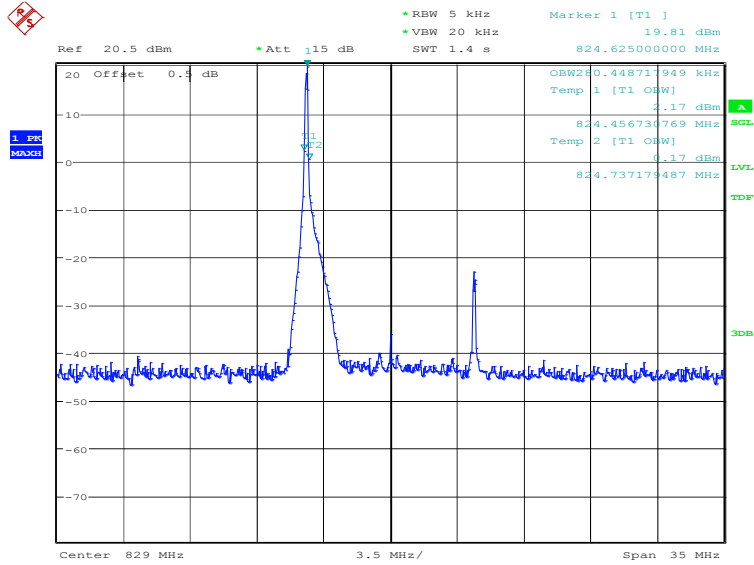
Date: 19.SEP.2023 15:52:29

HIGH BAND EDGE BLOCK-20MHz-100%RB



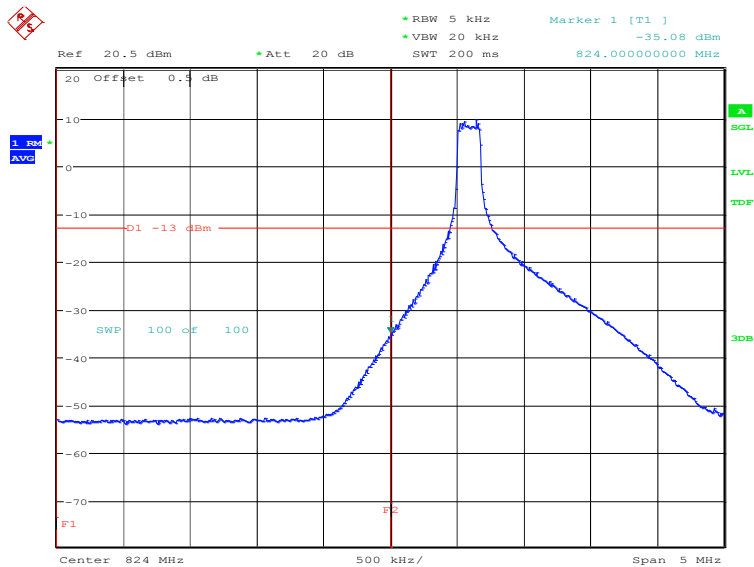
Date: 19.SEP.2023 15:56:36

LTE band 5
OBW: 1RB-low_offset



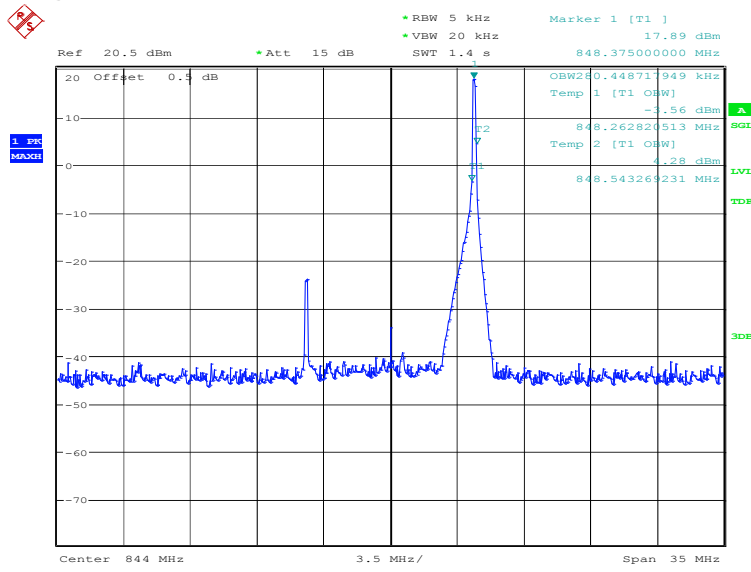
Date: 19.SEP.2023 14:47:31

LOW BAND EDGE BLOCK-1RB-low_offset



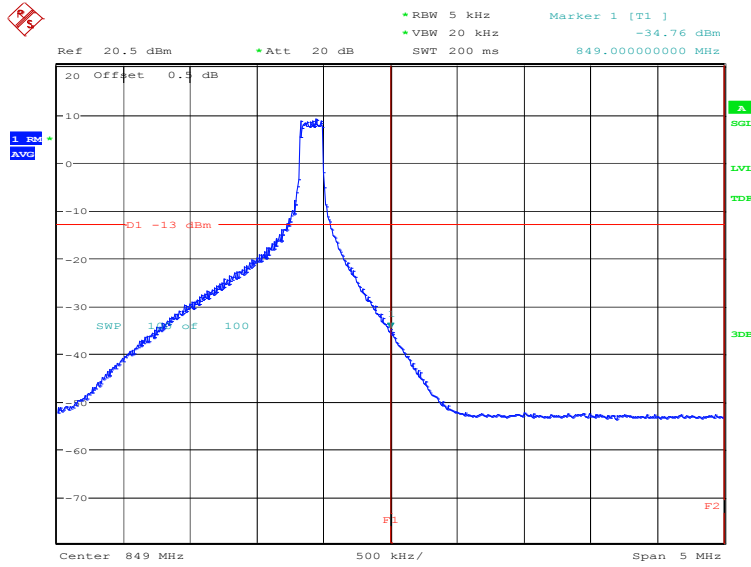
Date: 19.SEP.2023 14:48:45

OBW: 1RB-high_offset



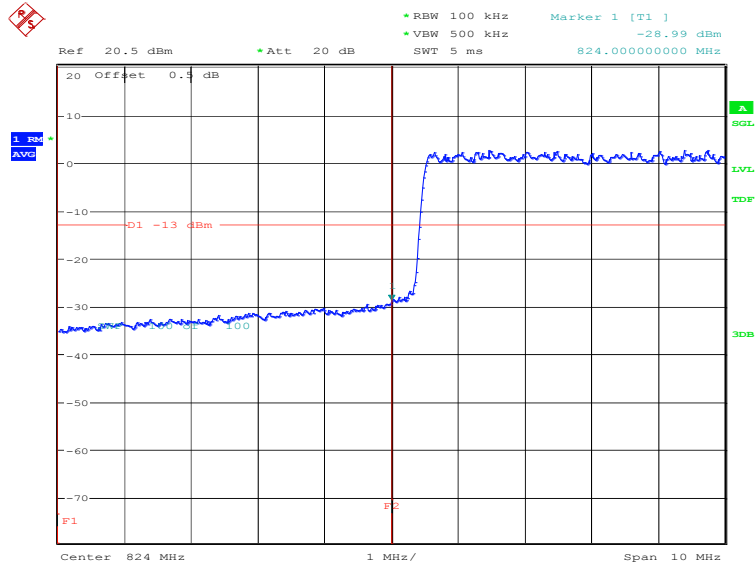
Date: 19.SEP.2023 14:50:52

HIGH BAND EDGE BLOCK-1RB-high_offset



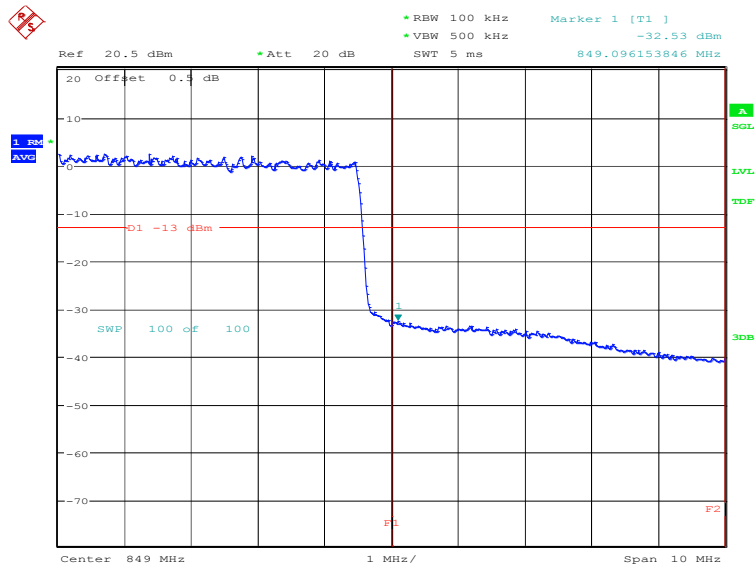
Date: 19.SEP.2023 14:52:06

LOW BAND EDGE BLOCK-10MHz-100%RB



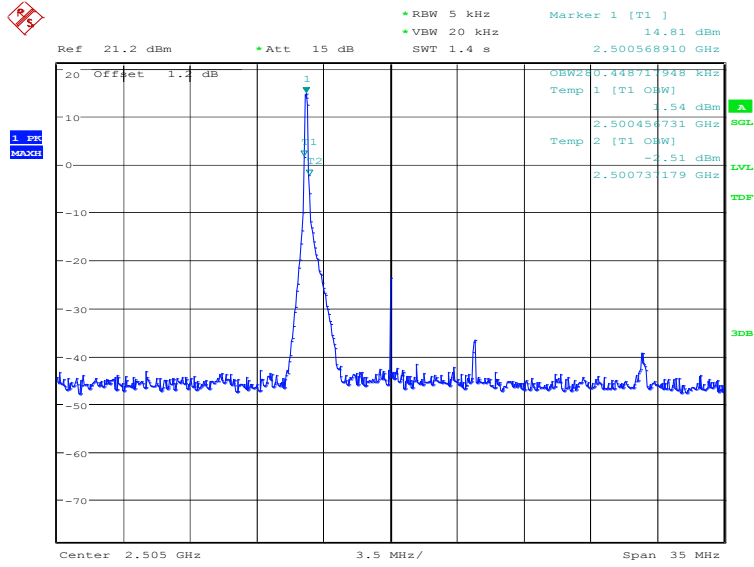
Date: 19.SEP.2023 14:49:19

HIGH BAND EDGE BLOCK-10MHz-100%RB



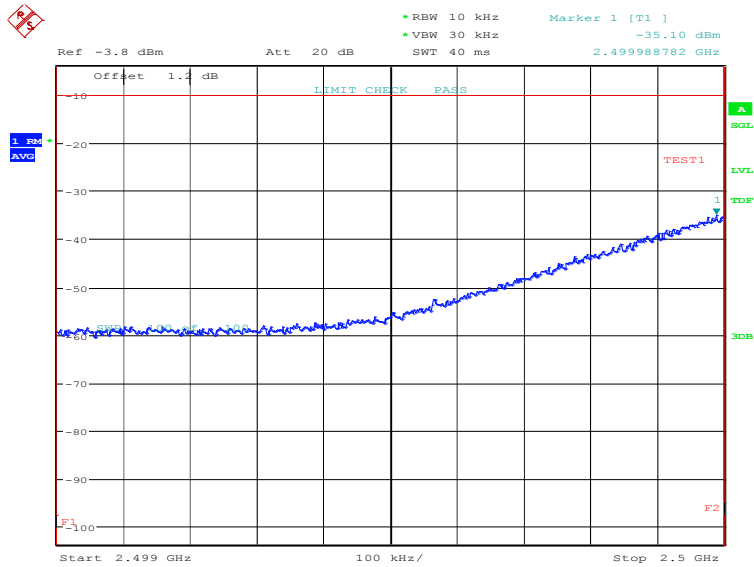
Date: 19.SEP.2023 14:52:40

LTE band 7
OBW: 1RB-low_offset

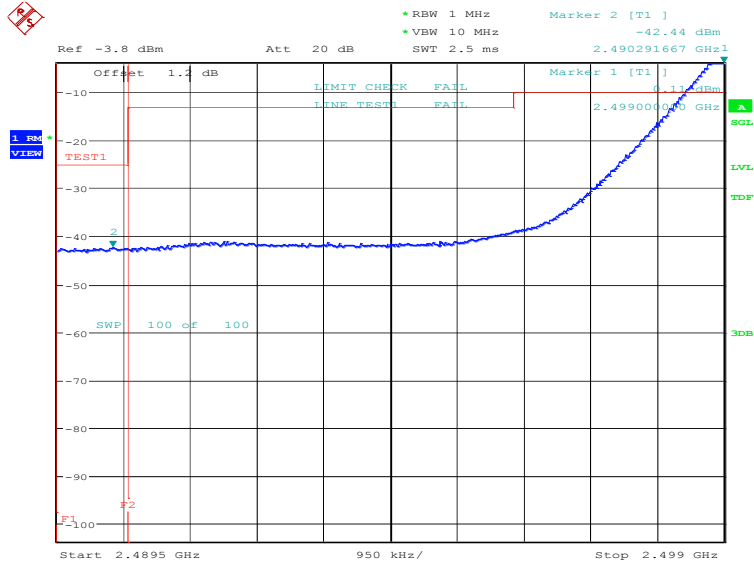


Date: 27.SEP.2023 10:55:41

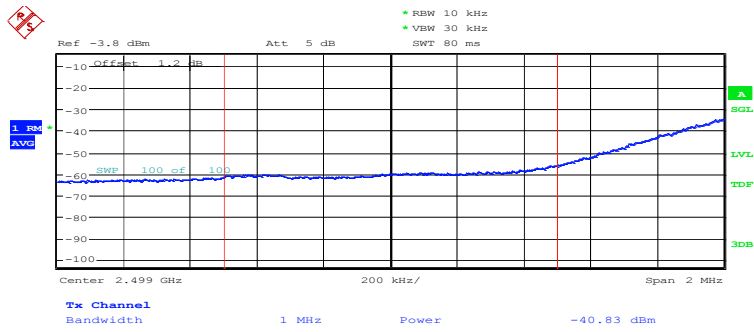
LOW BAND EDGE BLOCK-1RB-low_offset



Date: 27.SEP.2023 10:57:02

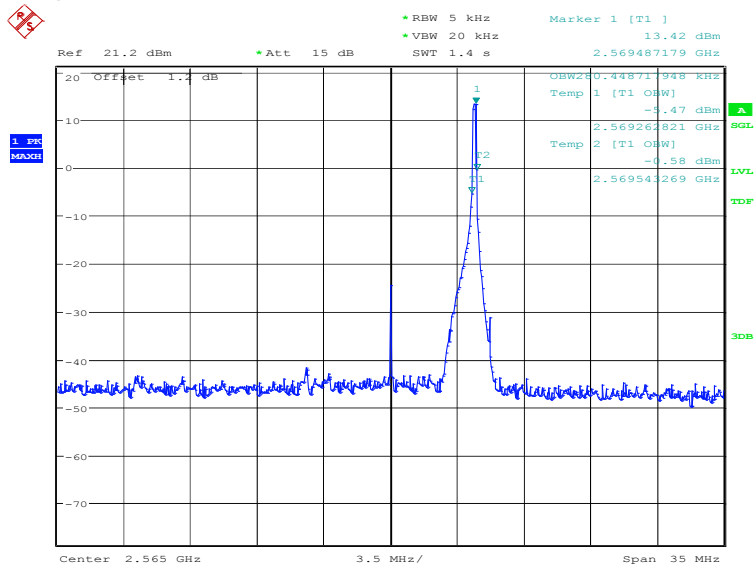


Date: 27.SEP.2023 10:58:52



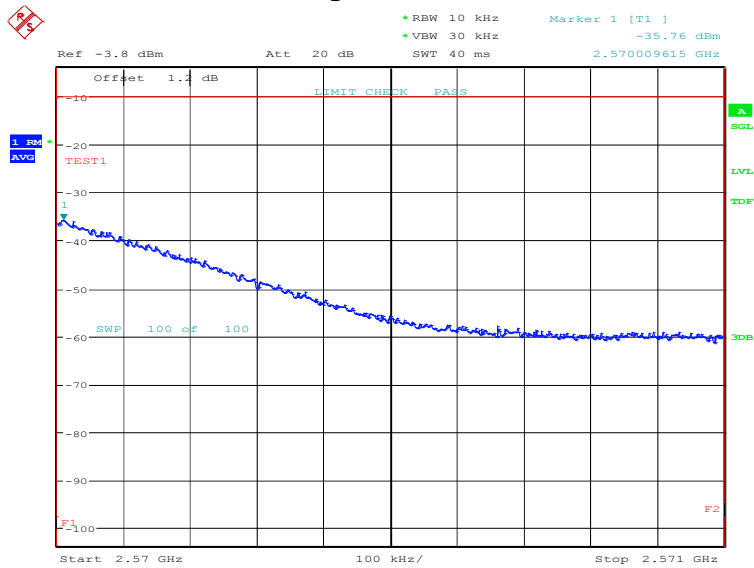
Date: 27.SEP.2023 10:59:19

OBW: 1RB-high_offset

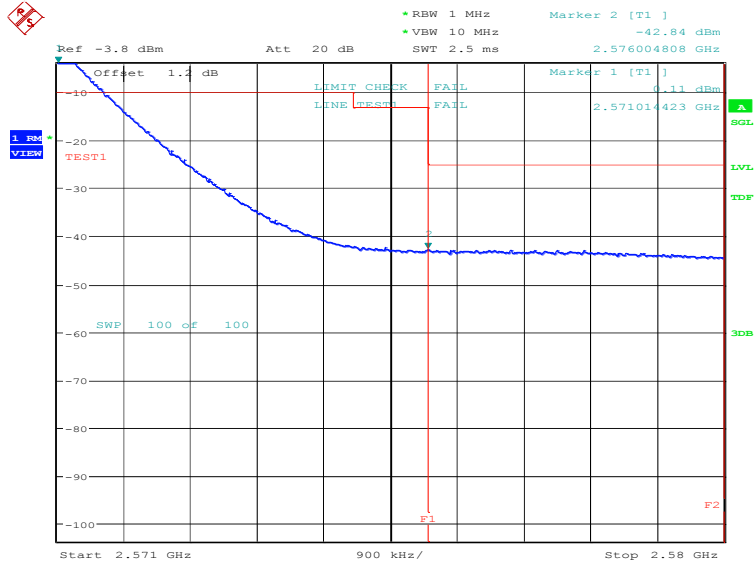


Date: 26.SEP.2023 10:19:45

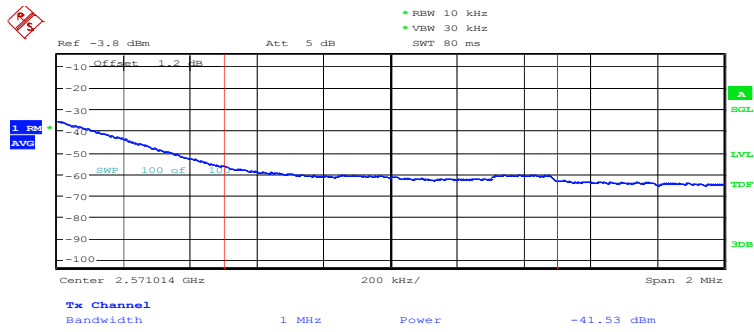
HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 26.SEP.2023 10:21:06

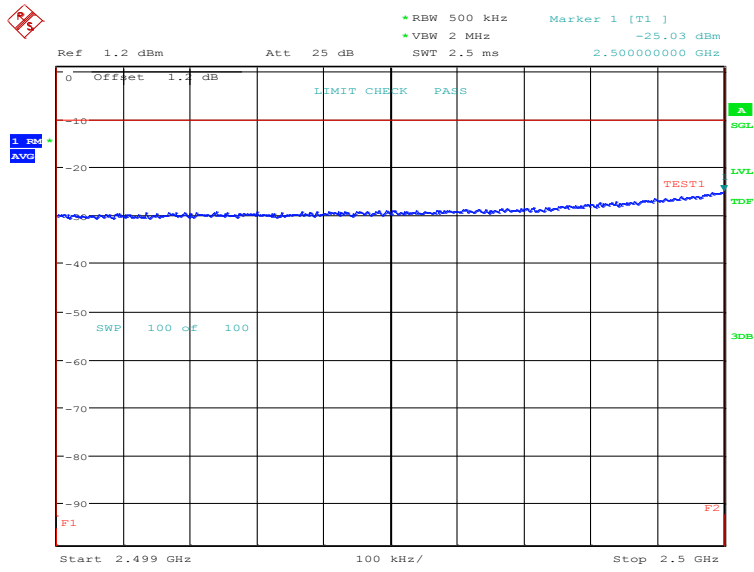


Date: 26.SEP.2023 10:22:55

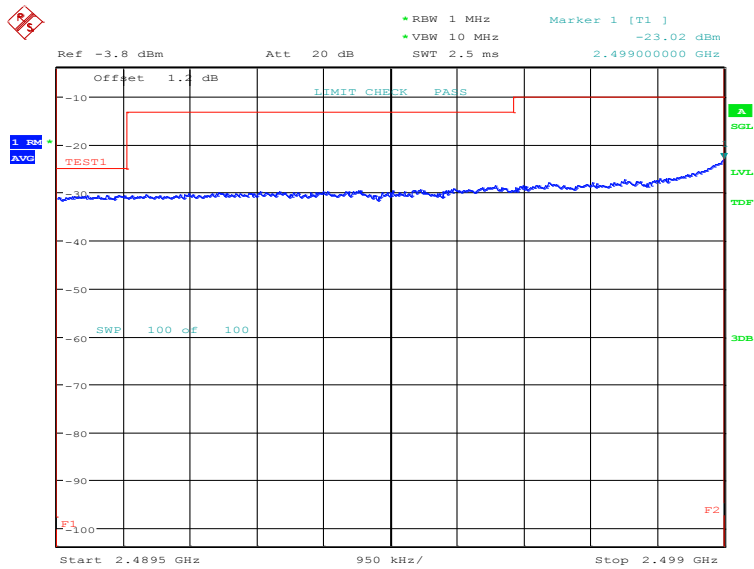


Date: 26.SEP.2023 10:23:23

LOW BAND EDGE BLOCK-20MHz-100%RB

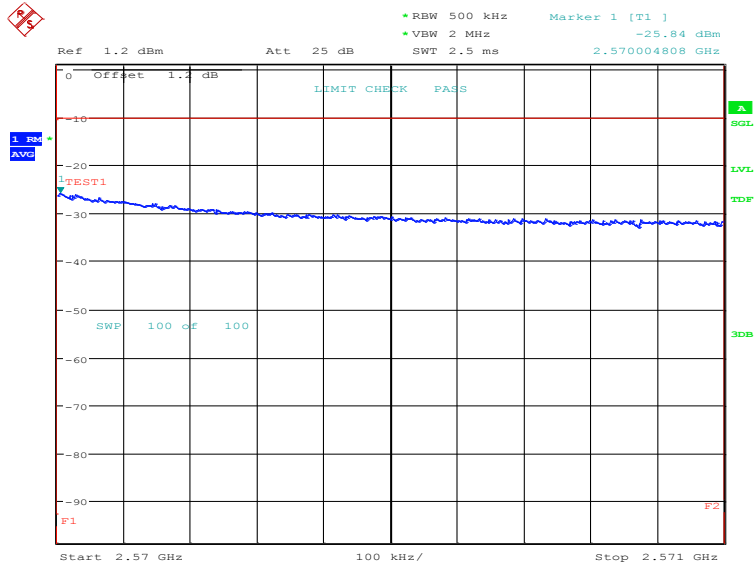


Date: 7.SEP.2023 15:47:45

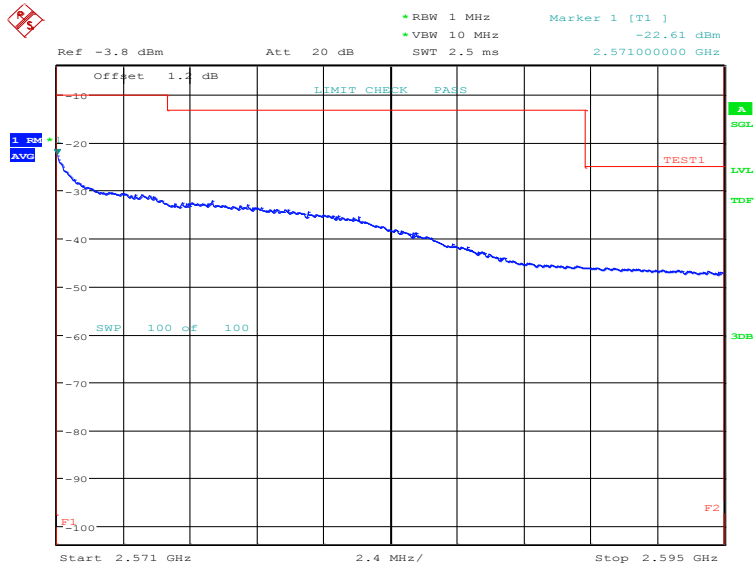


Date: 7.SEP.2023 15:49:27

HIGH BAND EDGE BLOCK-20MHz-100%RB

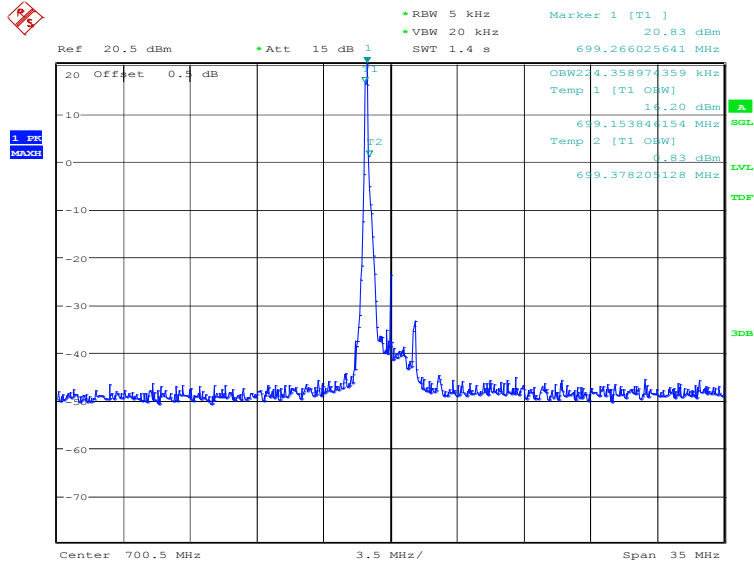


Date: 7.SEP.2023 15:52:27



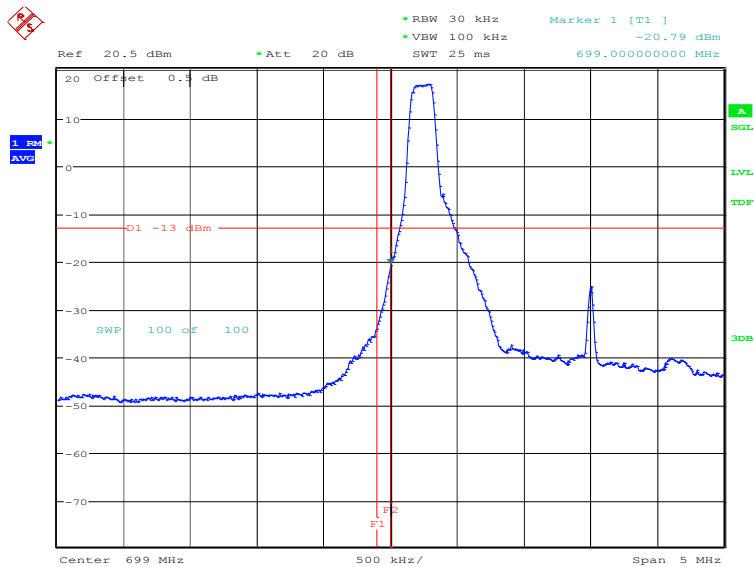
Date: 7.SEP.2023 15:54:09

LTE band 12
OBW: 1RB-low_offset



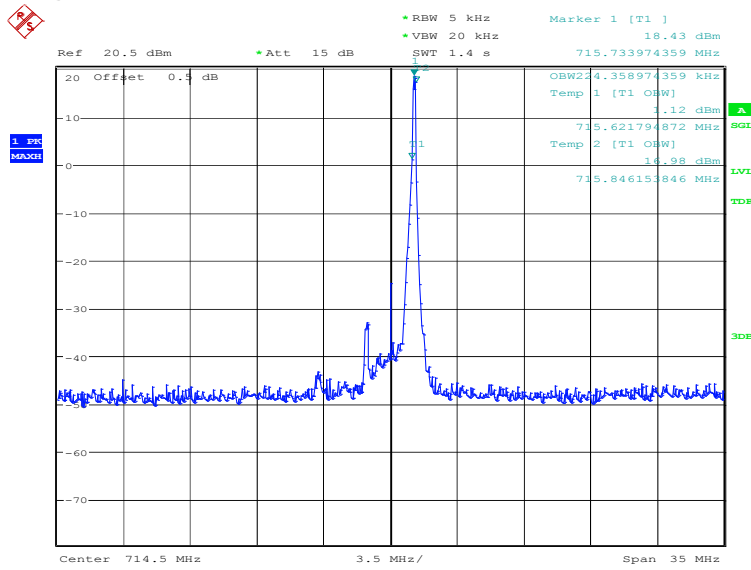
Date: 19.SEP.2023 14:54:59

LOW BAND EDGE BLOCK-1RB-low_offset



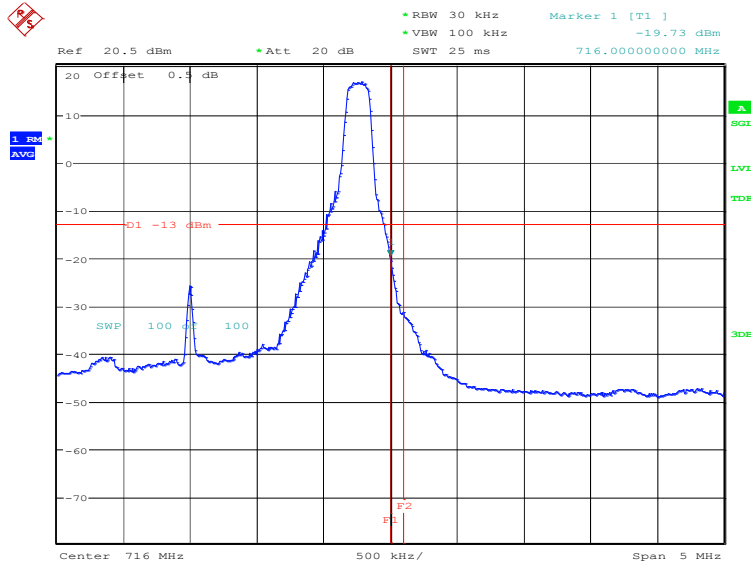
Date: 19.SEP.2023 14:55:19

OBW: 1RB-high_offset



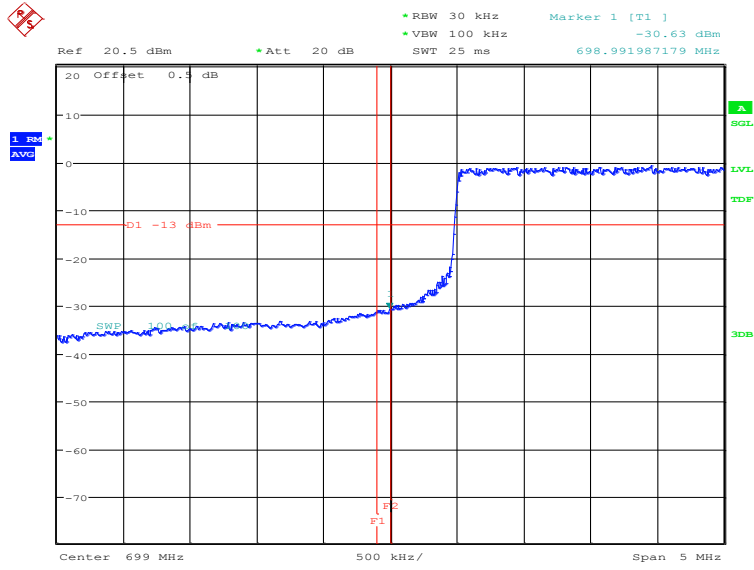
Date: 19.SEP.2023 14:55:55

HIGH BAND EDGE BLOCK-1RB-high_offset



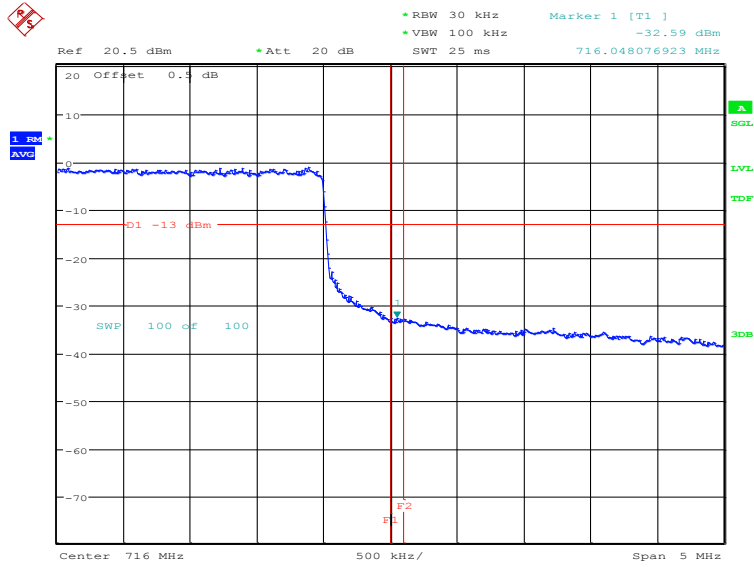
Date: 19.SEP.2023 14:56:14

LOW BAND EDGE BLOCK-10MHz-100%RB



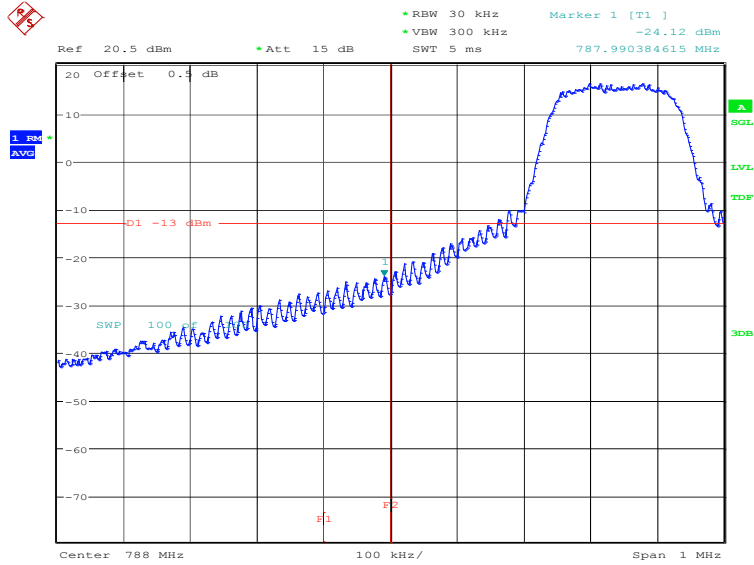
Date: 7.SEP.2023 15:56:43

HIGH BAND EDGE BLOCK-10MHz-100%RB



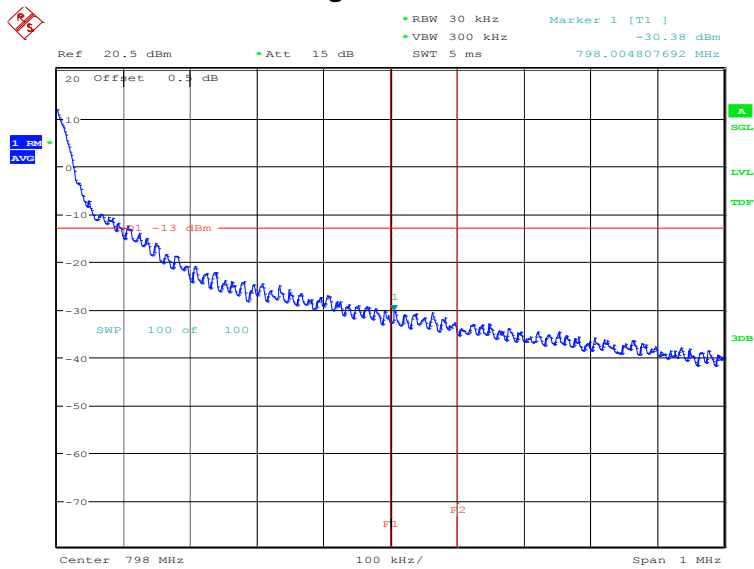
Date: 7.SEP.2023 15:58:17

LTE band 14 LOW BAND EDGE BLOCK-1RB-low_offset



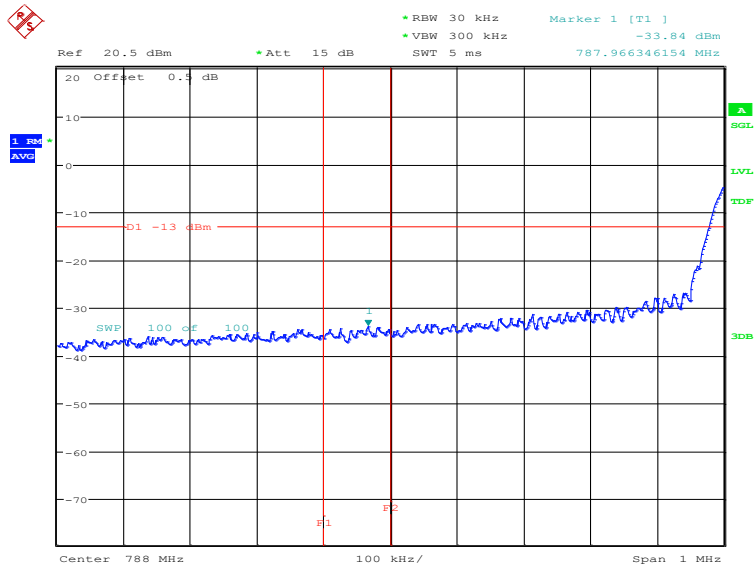
Date: 19.SEP.2023 15:45:49

HIGH BAND EDGE BLOCK-1RB-high_offset



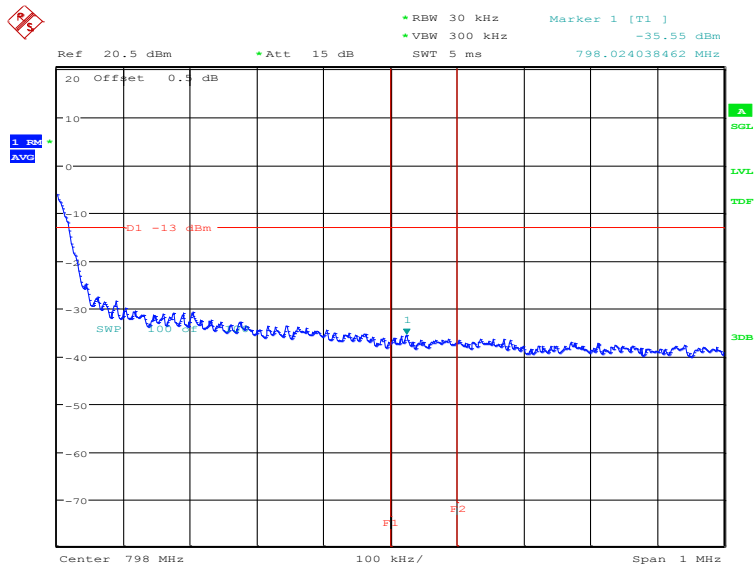
Date: 19.SEP.2023 15:47:22

LOW BAND EDGE BLOCK-10MHz-100%RB



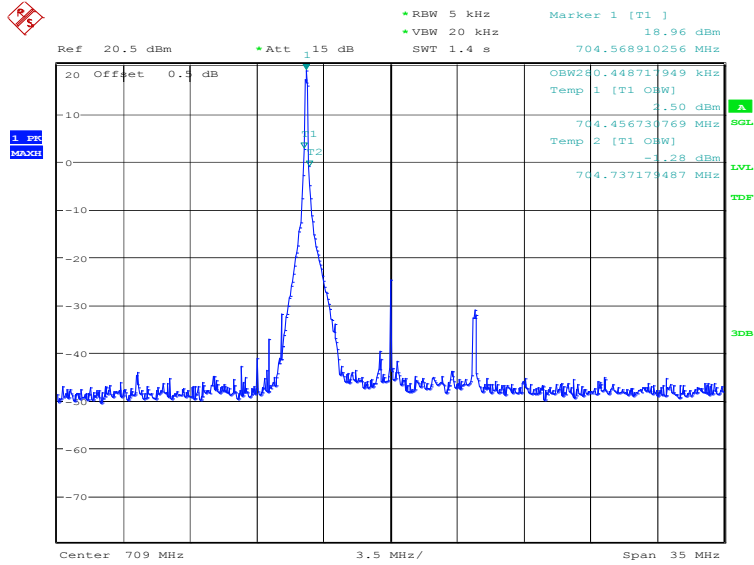
Date: 7.SEP.2023 16:51:01

HIGH BAND EDGE BLOCK-10MHz-100%RB



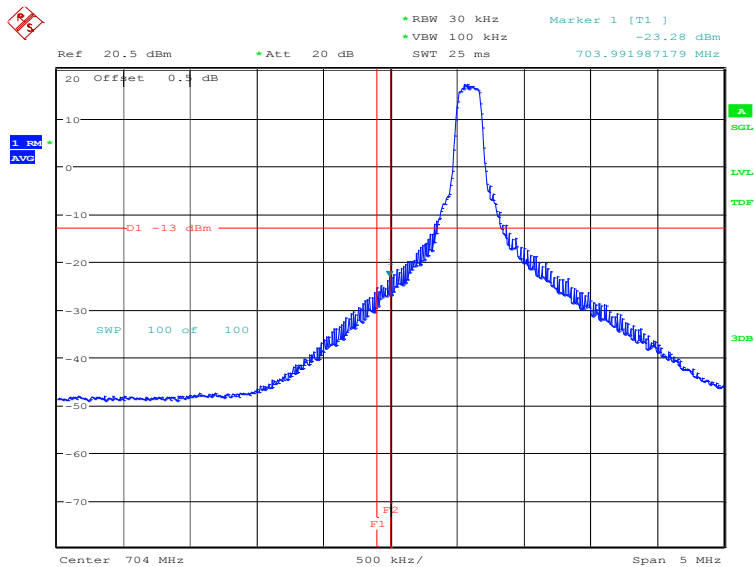
Date: 7.SEP.2023 16:52:38

LTE band 17
OBW: 1RB-low_offset



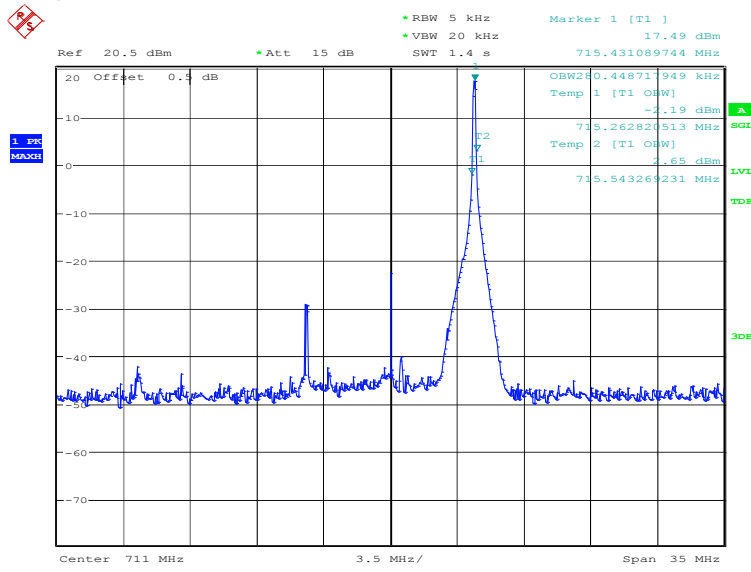
Date: 20.SEP.2023 14:35:47

LOW BAND EDGE BLOCK-1RB-low_offset



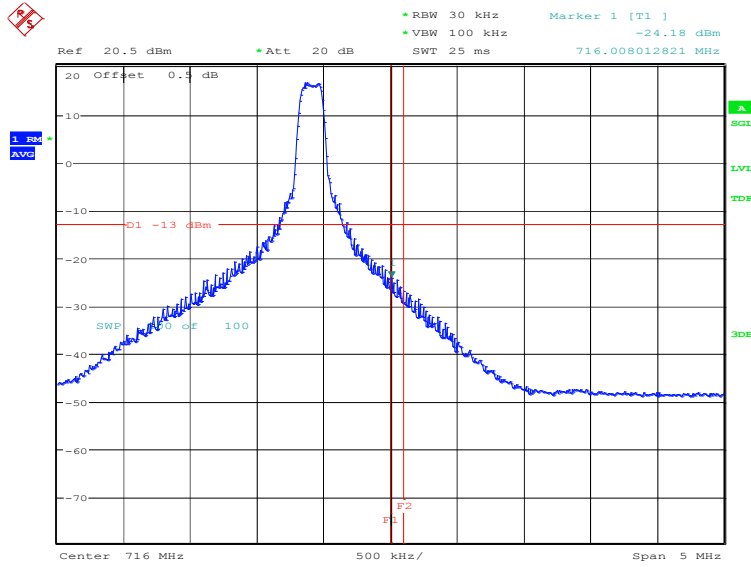
Date: 20.SEP.2023 14:36:06

OBW: 1RB-high_offset



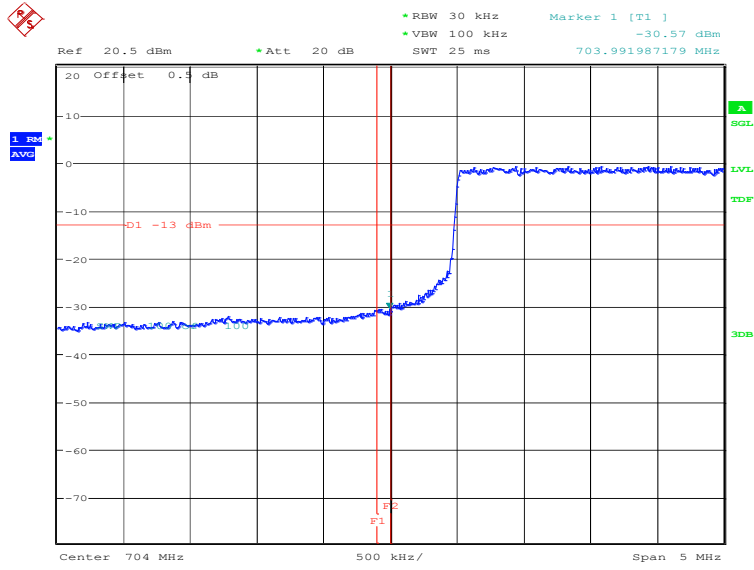
Date: 20.SEP.2023 14:38:15

HIGH BAND EDGE BLOCK-1RB-high_offset



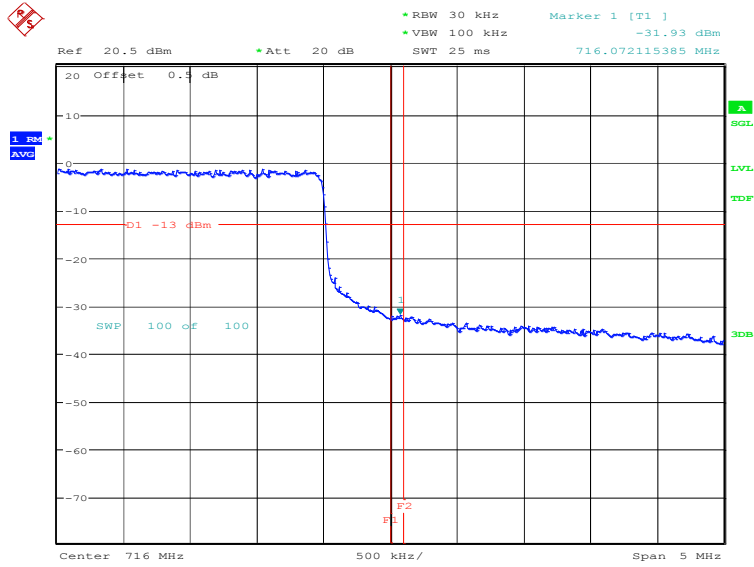
Date: 20.SEP.2023 14:38:34

LOW BAND EDGE BLOCK-10MHz-100%RB



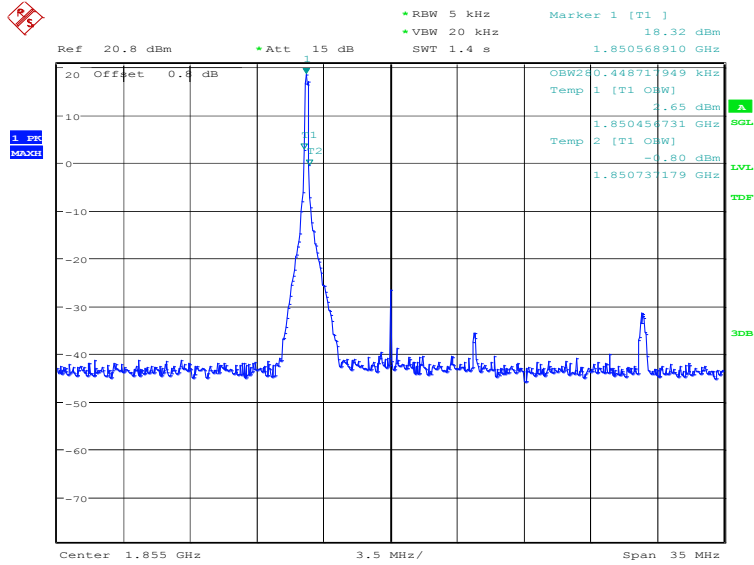
Date: 20.SEP.2023 14:36:40

HIGH BAND EDGE BLOCK-10MHz-100%RB



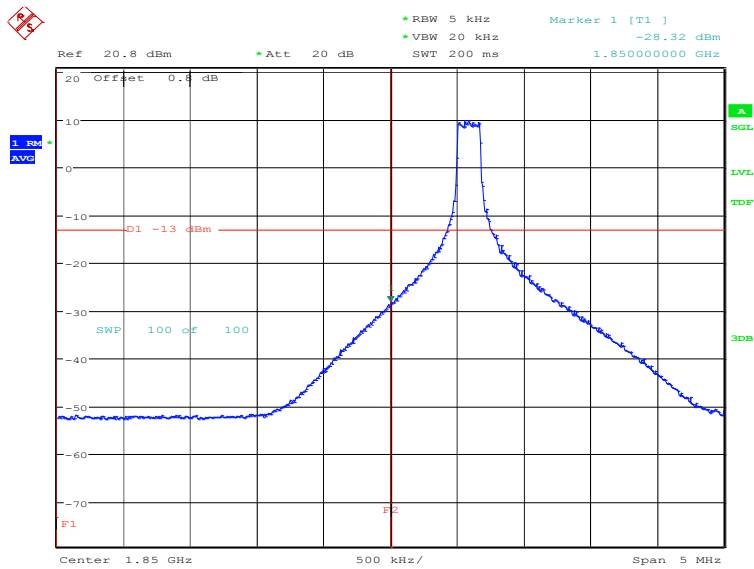
Date: 20.SEP.2023 14:39:08

LTE band 25
OBW: 1RB-low_offset



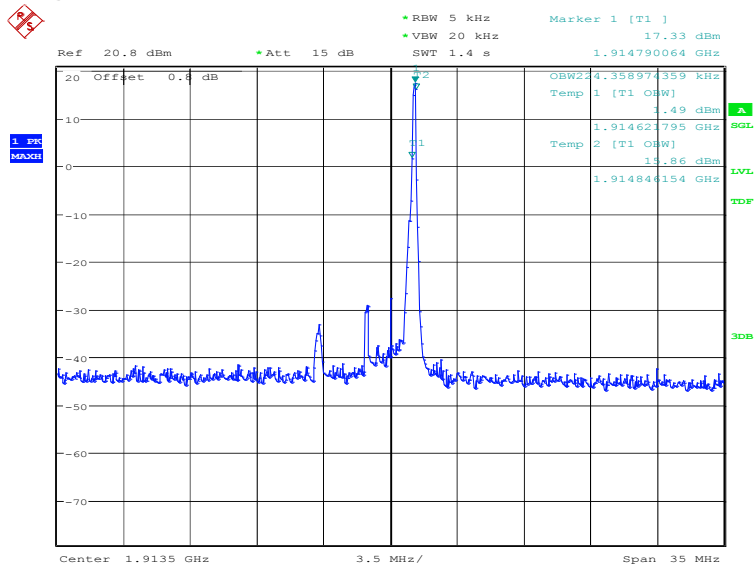
Date: 19.SEP.2023 14:56:54

LOW BAND EDGE BLOCK-1RB-low_offset



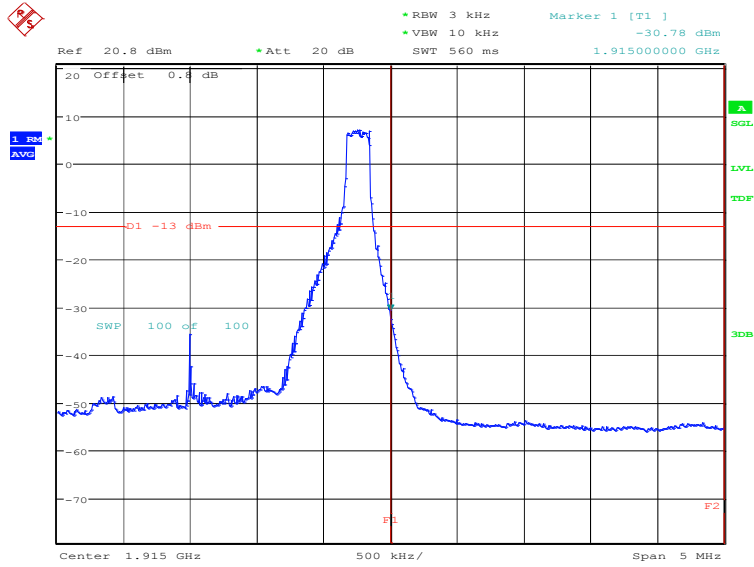
Date: 19.SEP.2023 14:58:09

OBW: 1RB-high_offset



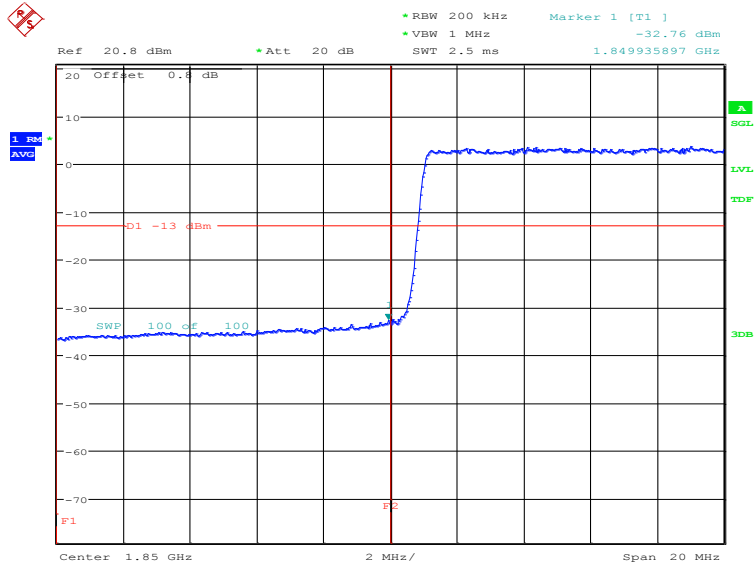
Date: 19.SEP.2023 14:59:27

HIGH BAND EDGE BLOCK-1RB-high_offset



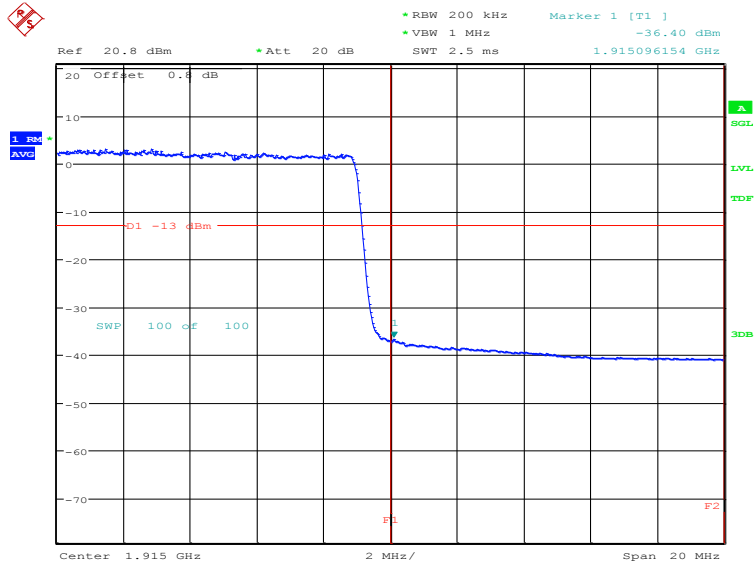
Date: 19.SEP.2023 15:00:41

LOW BAND EDGE BLOCK-20MHz-100%RB



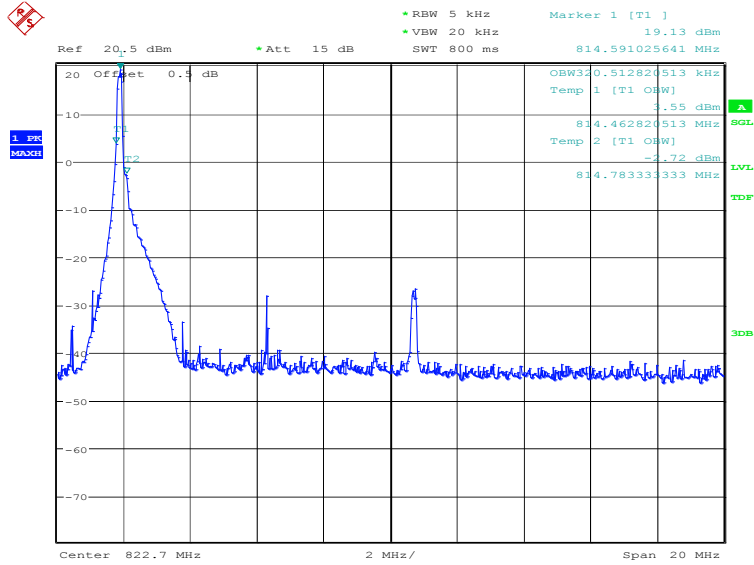
Date: 7.SEP.2023 15:59:54

HIGH BAND EDGE BLOCK-20MHz-100%RB



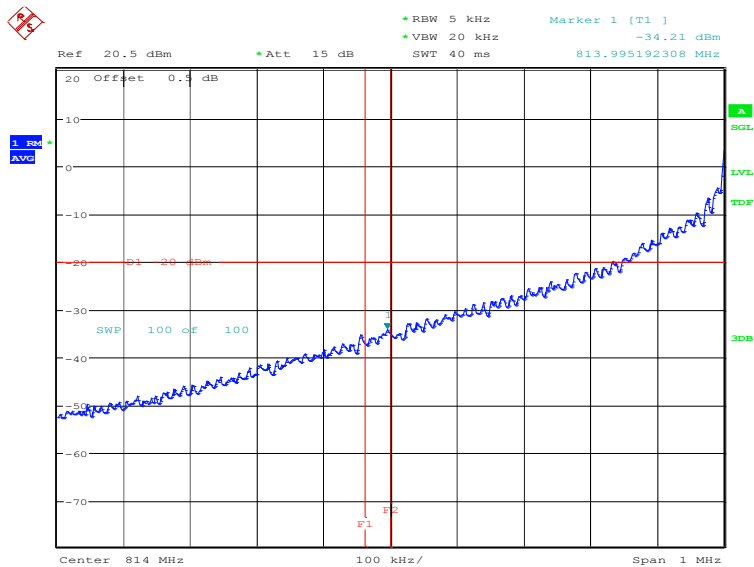
Date: 7.SEP.2023 16:01:29

LTE band 26(814MHz~824MHz)
OBW: 1RB-low_offset



Date: 19.SEP.2023 15:36:55

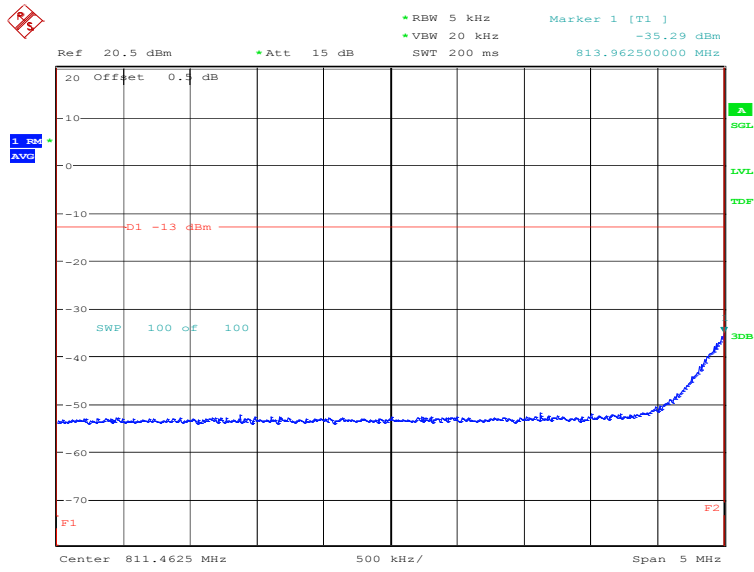
LOW BAND EDGE BLOCK-1RB-low_offset



Date: 19.SEP.2023 15:38:19

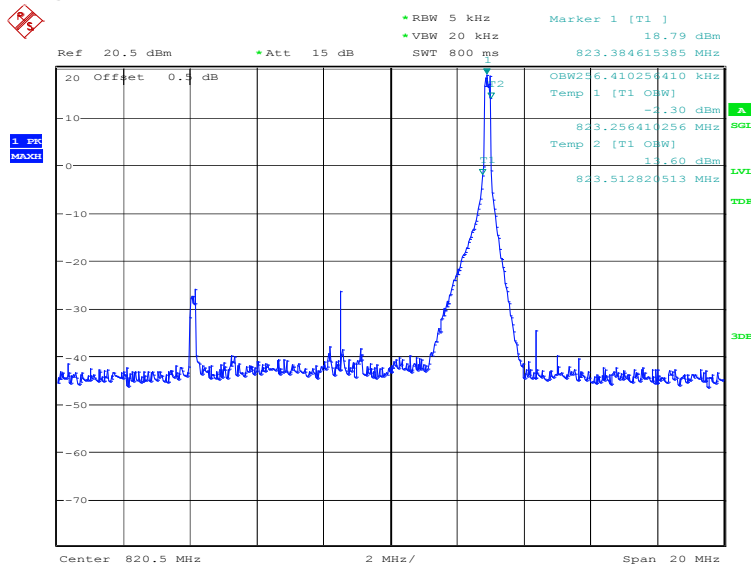


LOW Emission Mask -1RB-low_offset



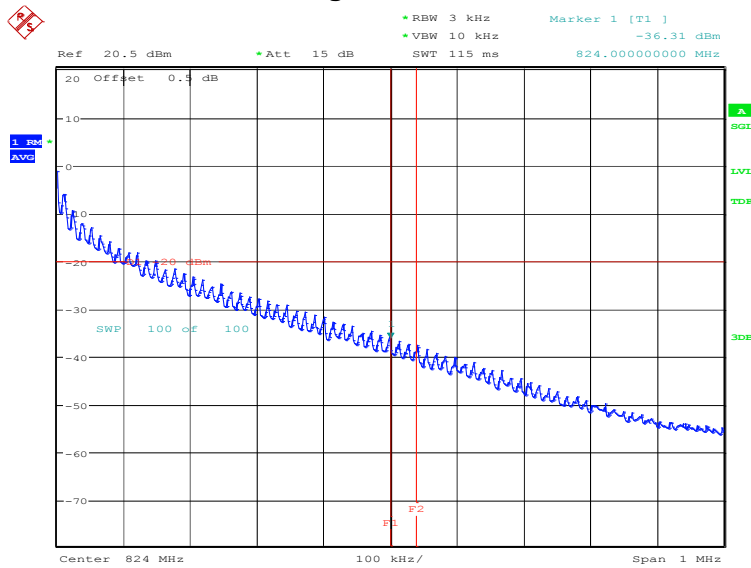
Date: 19.SEP.2023 15:40:01

OBW: 1RB-high_offset



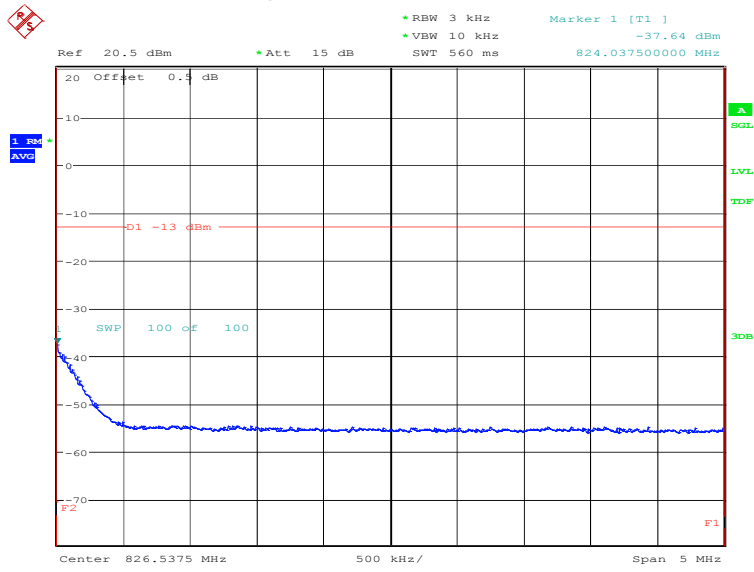
Date: 19.SEP.2023 15:40:38

HIGH BAND EDGE BLOCK-1RB-high_offset



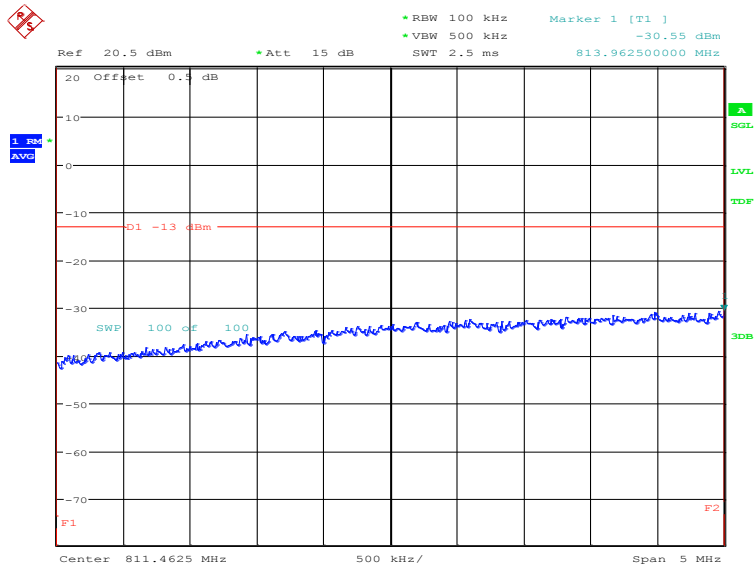
Date: 19.SEP.2023 15:42:10

HIGH Emission Mask -1RB-high_offset



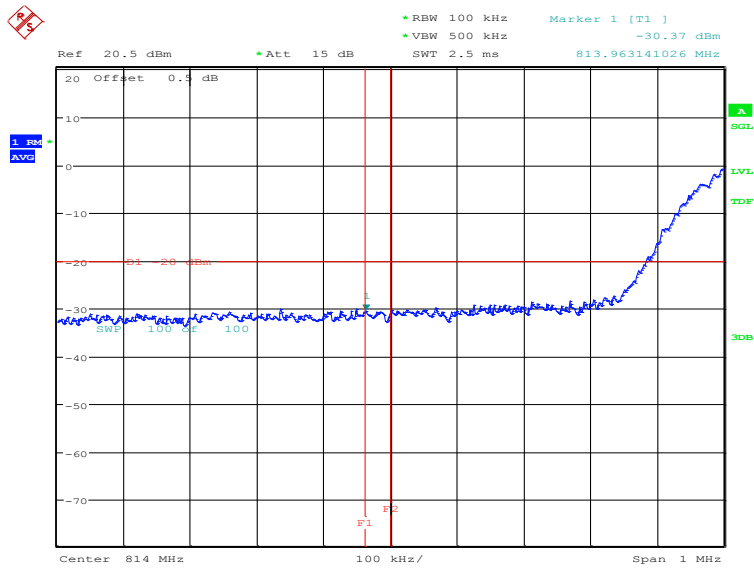
Date: 19.SEP.2023 15:44:27

LOW Emission Mask -10MHz-100%RB



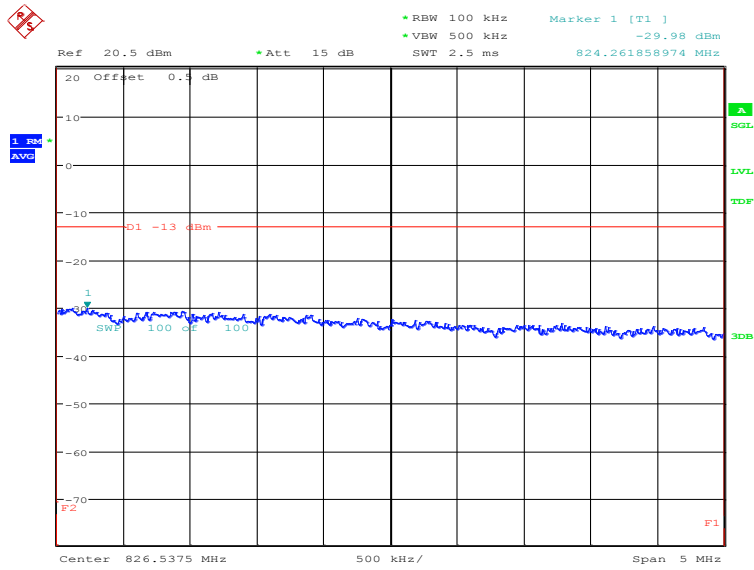
Date: 7.SEP.2023 16:47:21

LOW BAND EDGE BLOCK-10MHz-100%RB



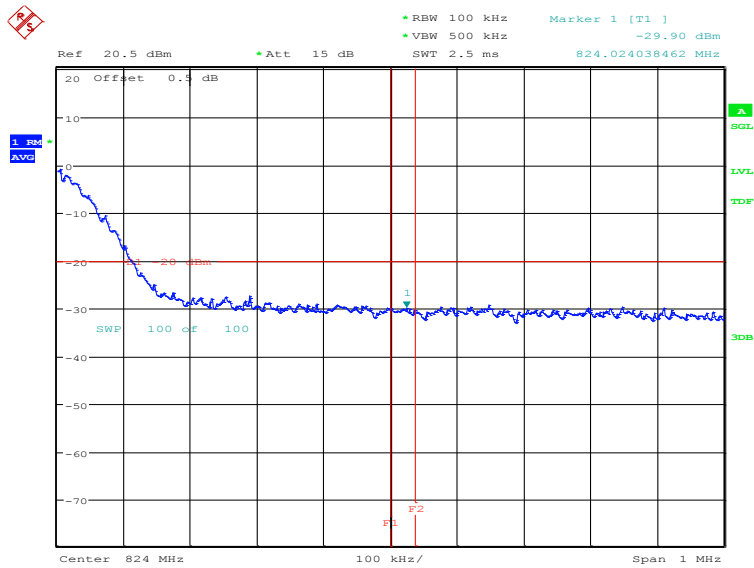
Date: 7.SEP.2023 16:46:59

HIGH Emission Mask -10MHz-100%RB



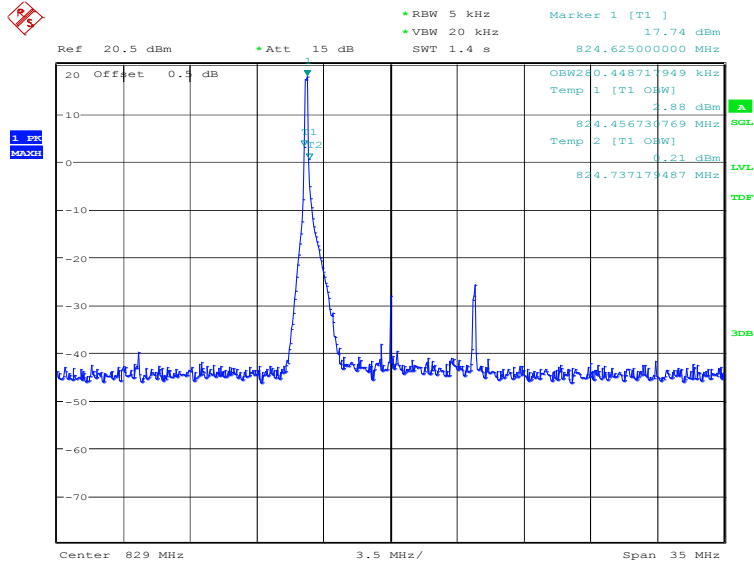
Date: 7.SEP.2023 16:49:21

HIGH BAND EDGE BLOCK-10MHz-100%RB



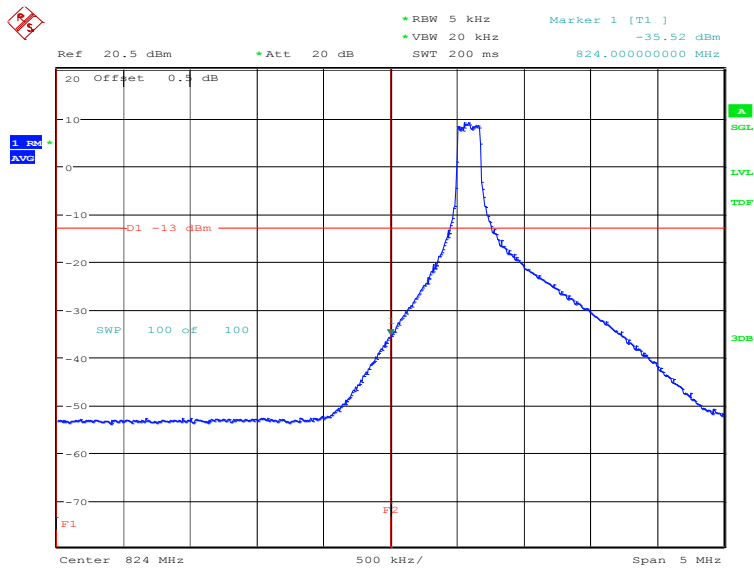
Date: 7.SEP.2023 16:48:59

LTE band 26(824MHz~849MHz)
OBW: 1RB-low_offset



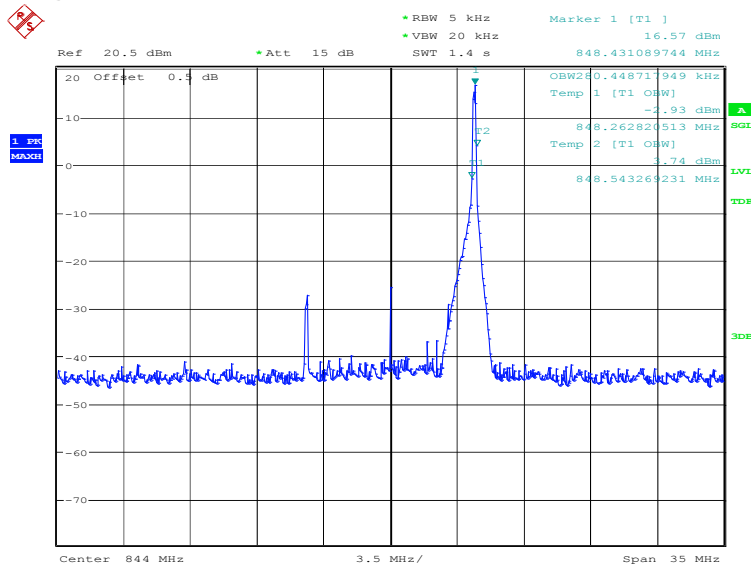
Date: 19.SEP.2023 15:01:21

LOW BAND EDGE BLOCK-1RB-low_offset



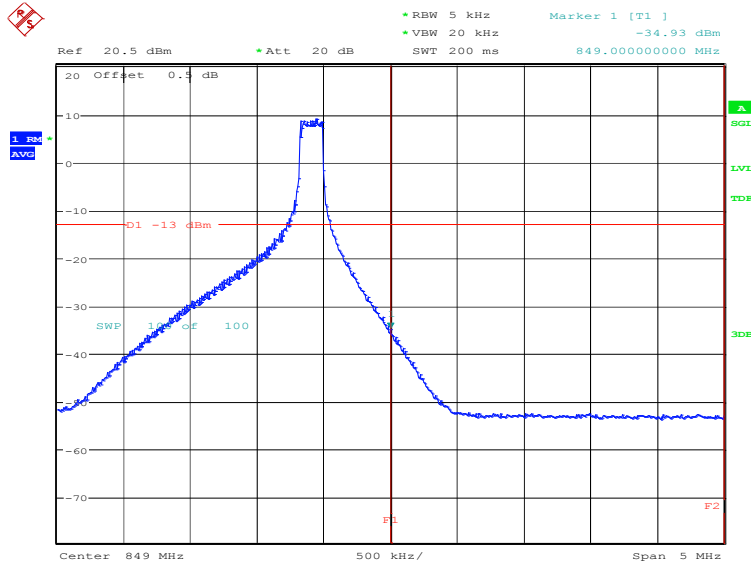
Date: 19.SEP.2023 15:02:35

OBW: 1RB-high_offset



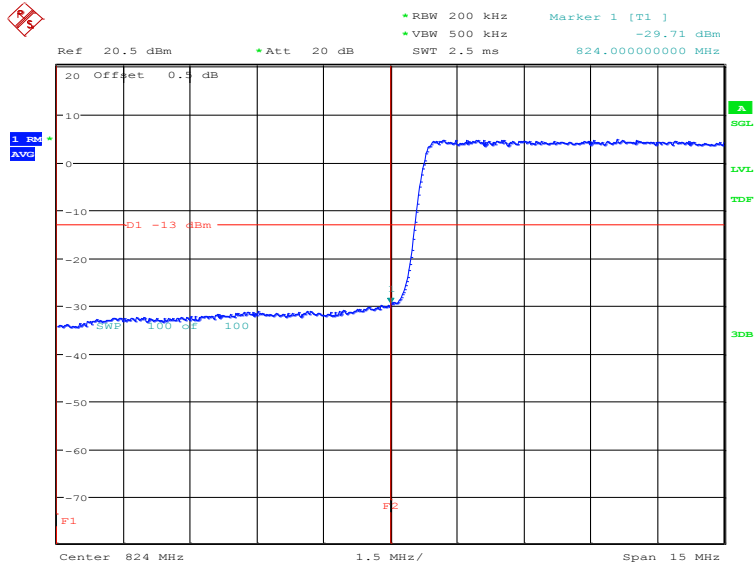
Date: 19.SEP.2023 15:03:12

HIGH BAND EDGE BLOCK-1RB-high_offset



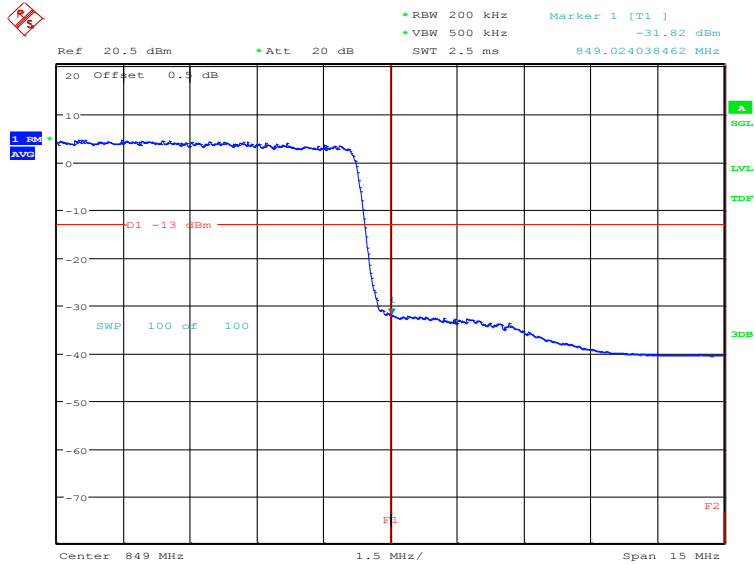
Date: 19.SEP.2023 15:04:26

LOW BAND EDGE BLOCK-15MHz-100%RB



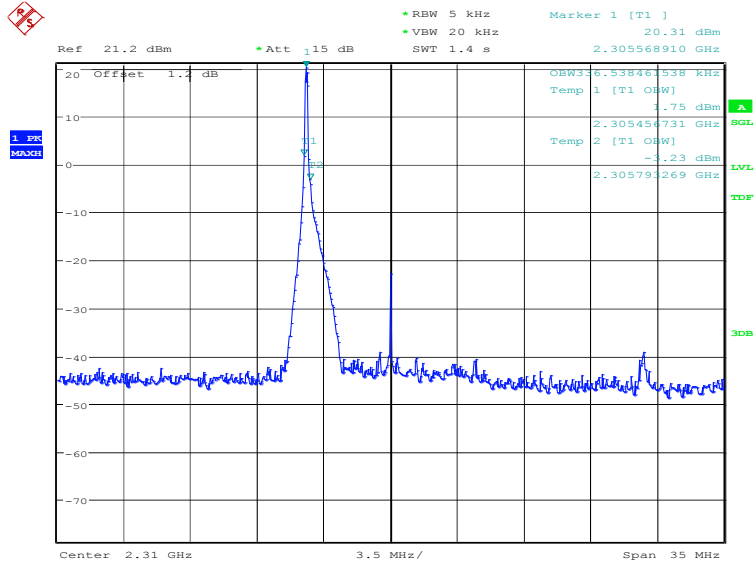
Date: 7.SEP.2023 16:03:05

HIGH BAND EDGE BLOCK-15MHz-100%RB



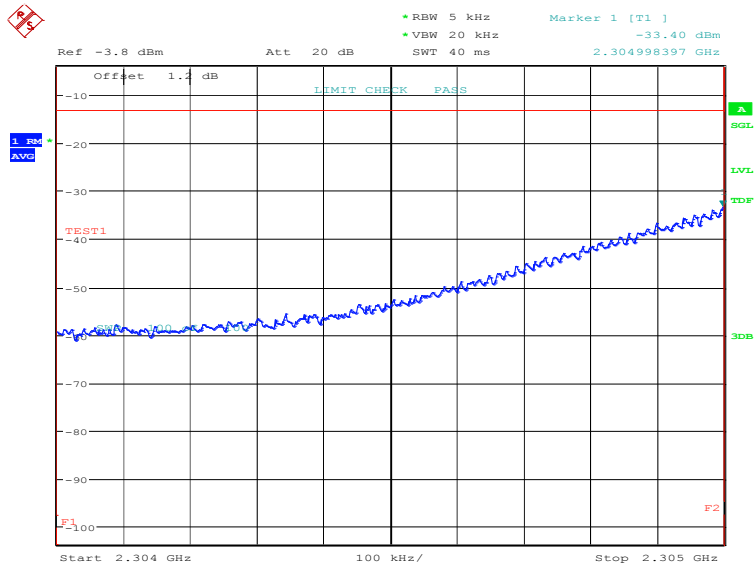
Date: 7.SEP.2023 16:04:40

LTE band 30
OBW: 1RB-low_offset

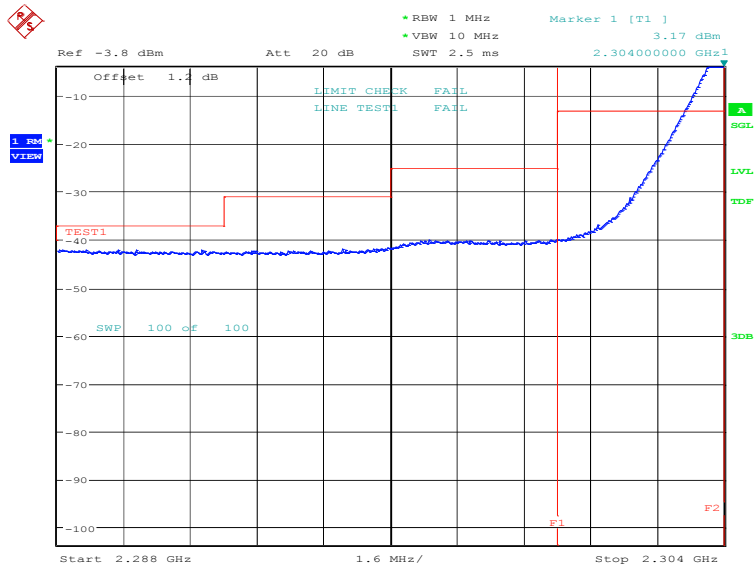


Date: 19.SEP.2023 15:05:39

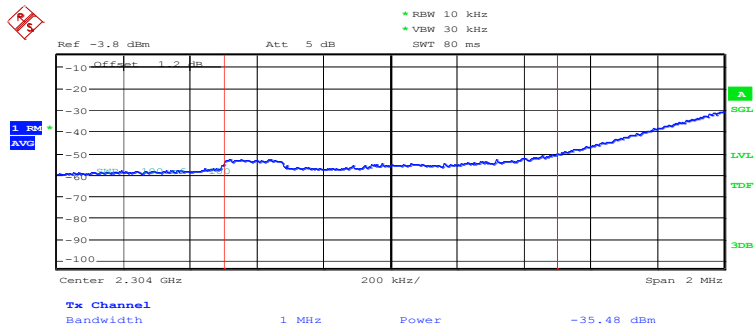
LOW BAND EDGE BLOCK-1RB-low_offset



Date: 19.SEP.2023 15:07:00

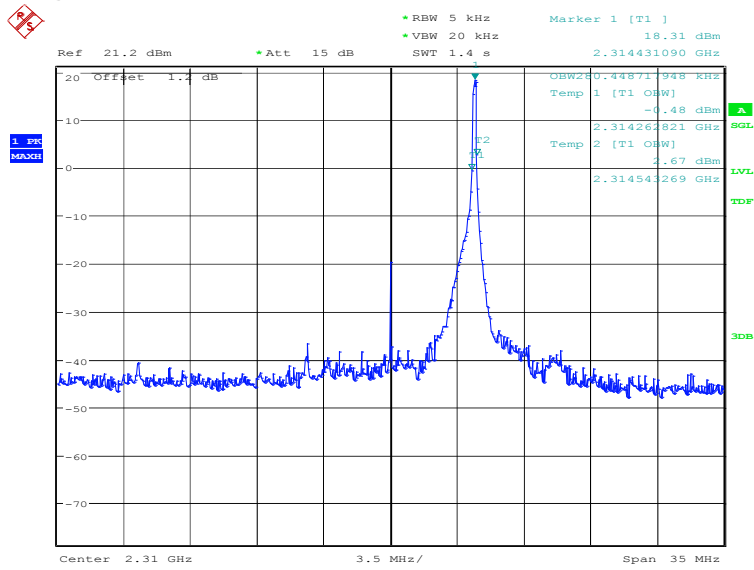


Date: 19.SEP.2023 15:08:52



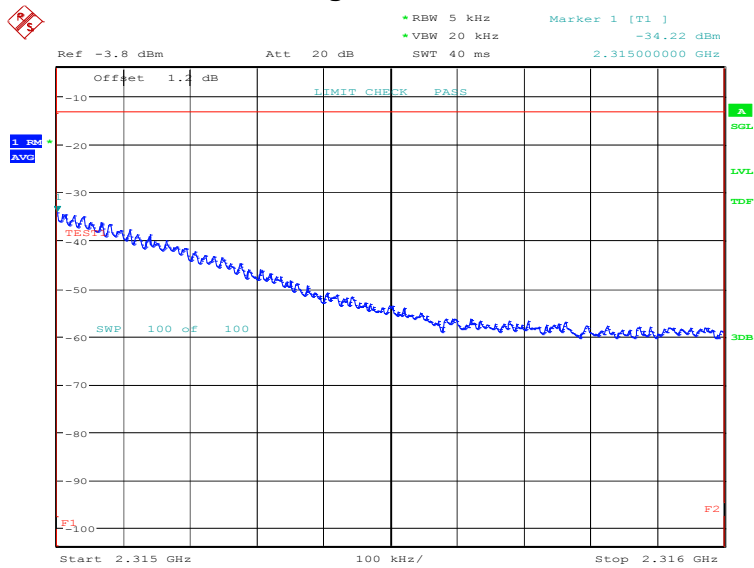
Date: 19.SEP.2023 15:09:20

OBW: 1RB-high_offset

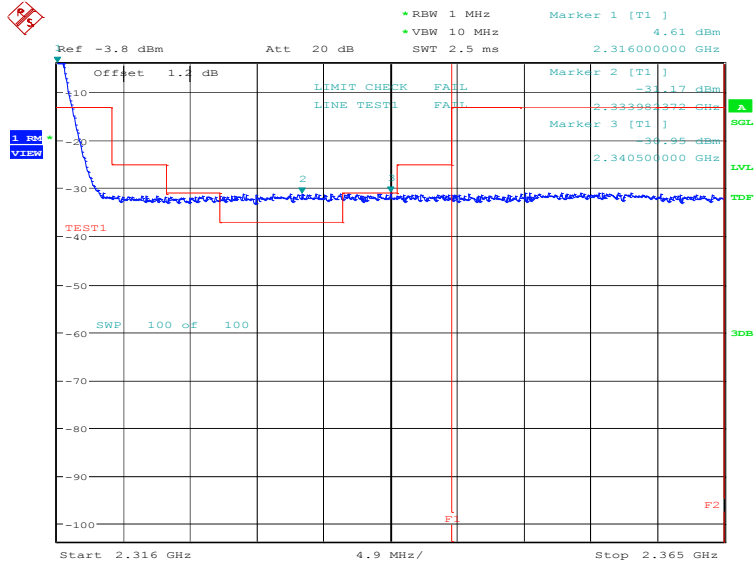


Date: 19.SEP.2023 15:09:55

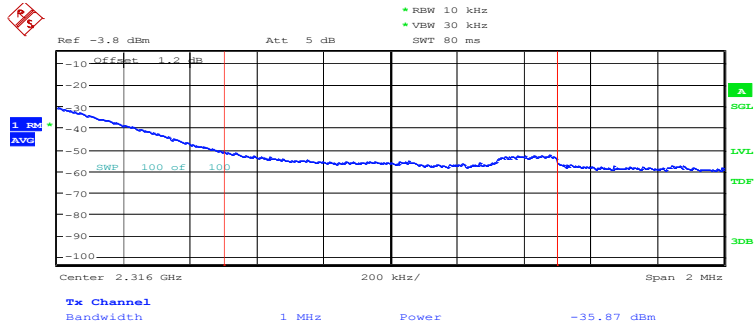
HIGH BAND EDGE BLOCK-1RB-high_offset



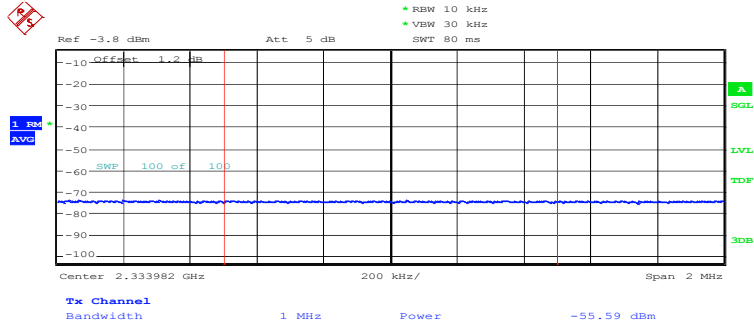
Date: 19.SEP.2023 15:11:17



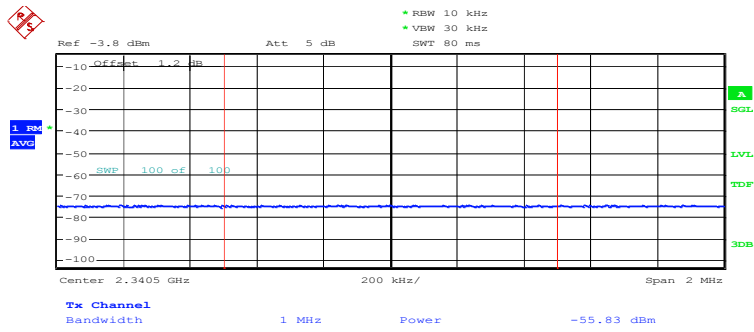
Date: 19.SEP.2023 15:13:17



Date: 19.SEP.2023 15:13:44

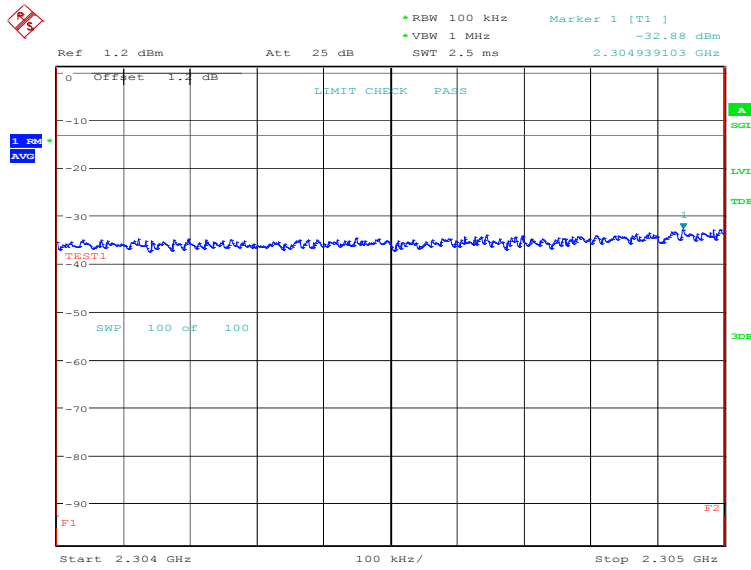


Date: 19.SEP.2023 15:14:10

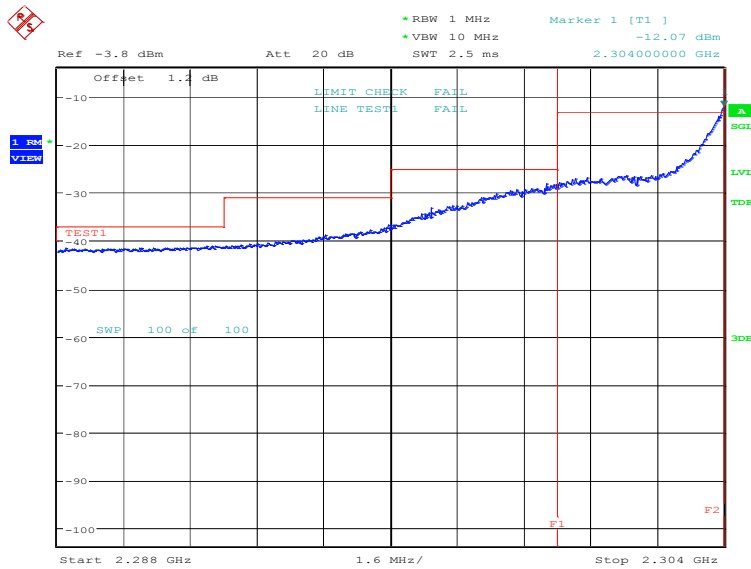


Date: 19.SEP.2023 15:14:36

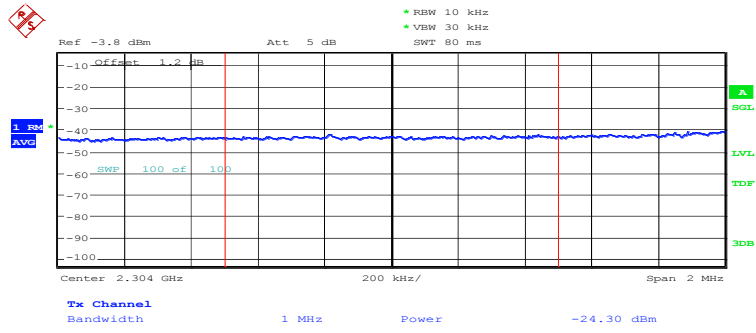
LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 22.SEP.2023 15:45:59

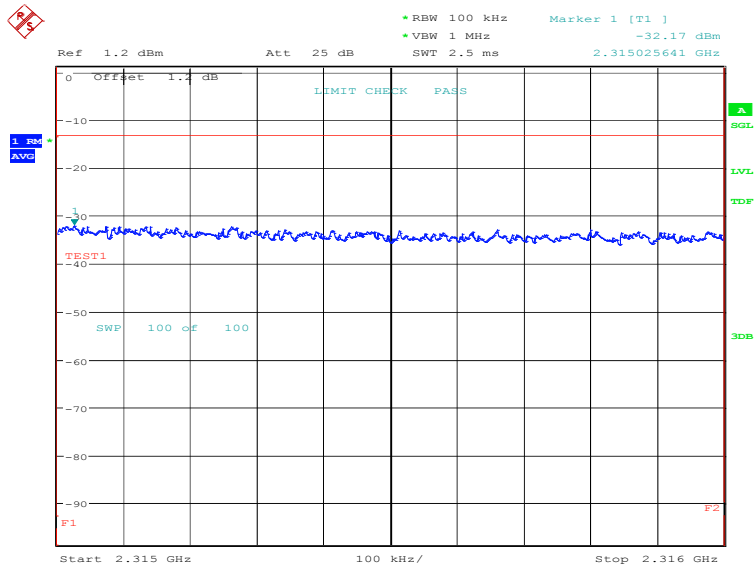


Date: 22.SEP.2023 15:47:50

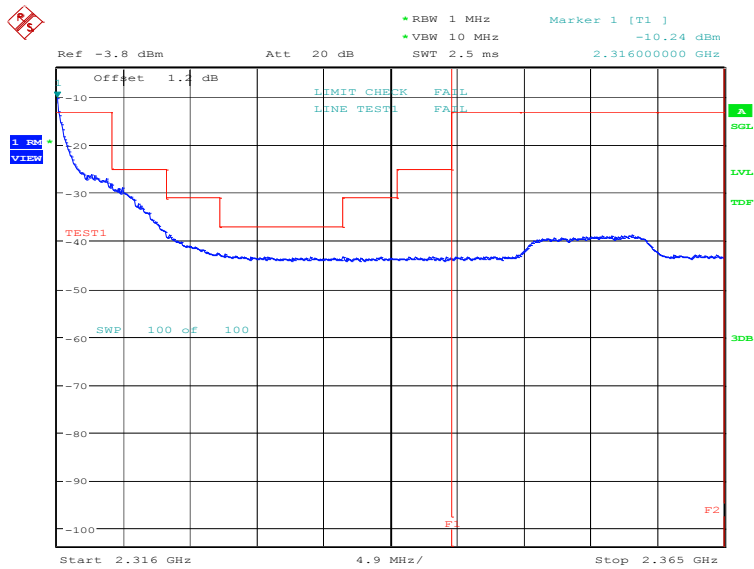


Date: 22.SEP.2023 15:48:18

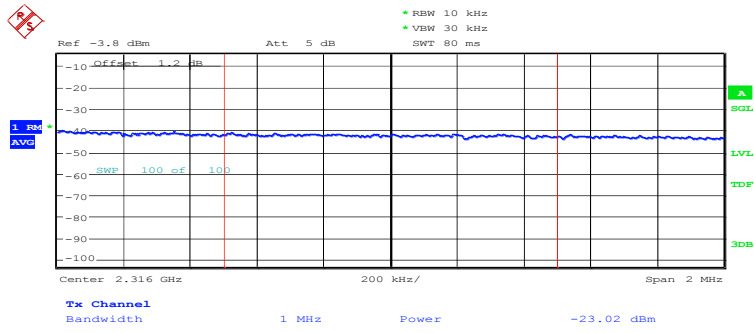
HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 22.SEP.2023 15:51:14

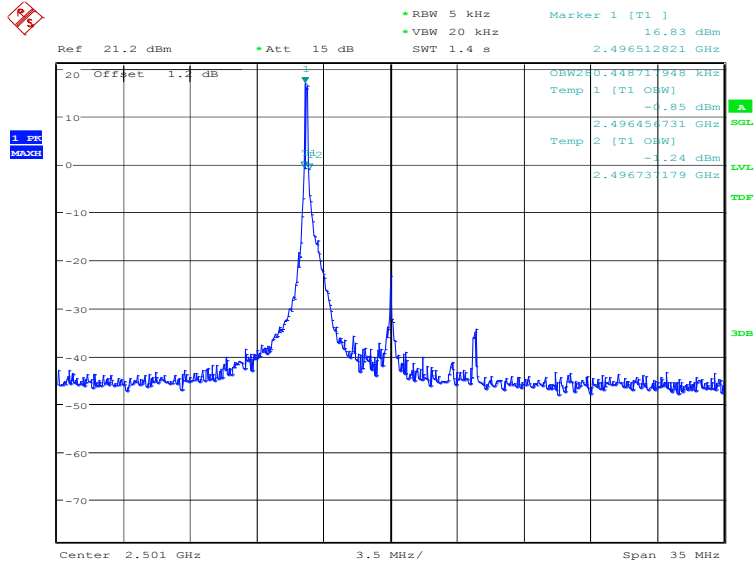


Date: 22.SEP.2023 15:53:14



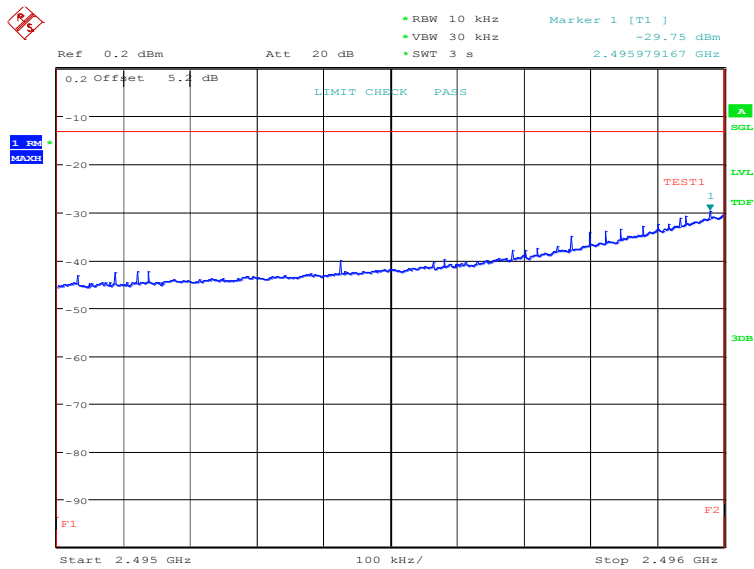
Date: 22.SEP.2023 15:53:41

LTE band 41
OBW: 1RB-low_offset

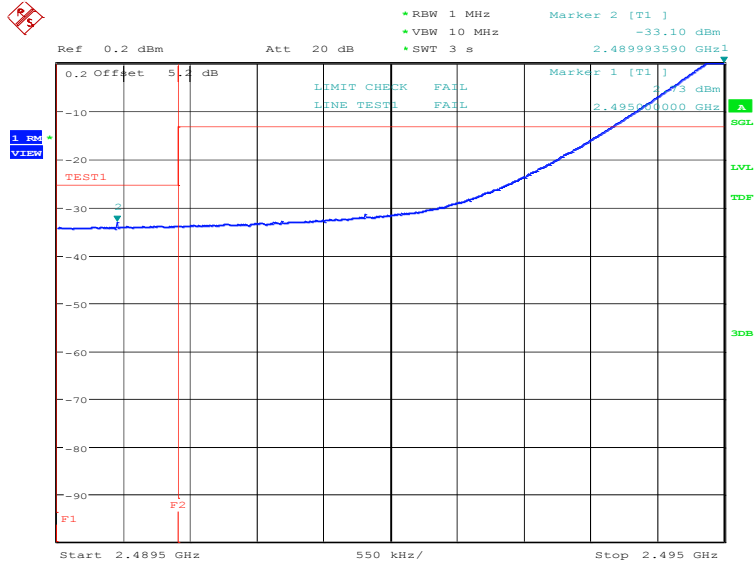


Date: 19.SEP.2023 15:20:40

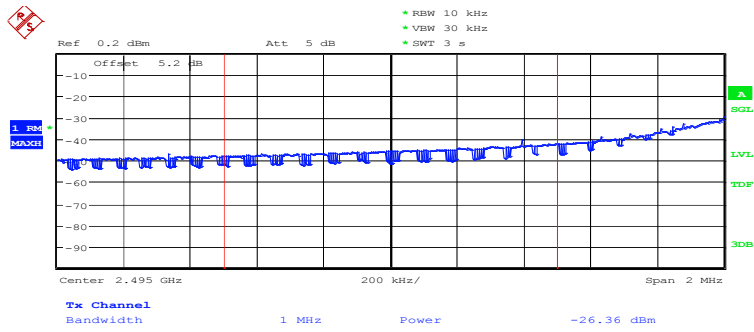
LOW BAND EDGE BLOCK-1RB-low_offset



Date: 19.SEP.2023 15:21:22

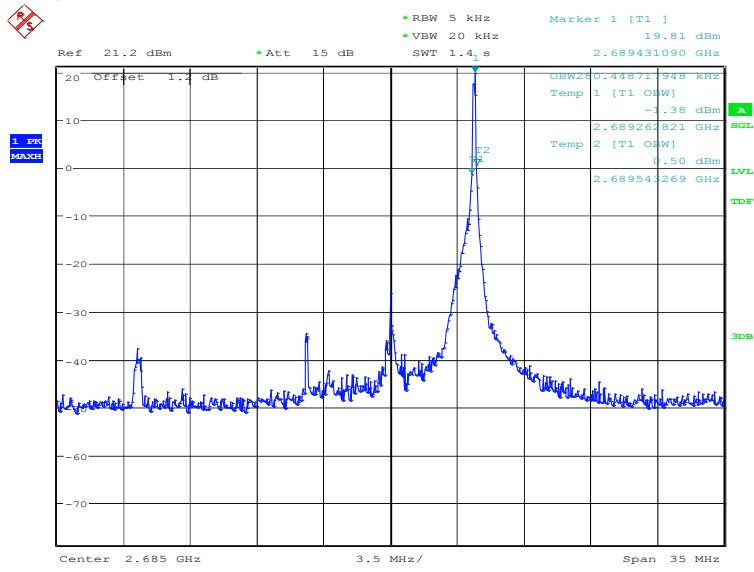


Date: 19.SEP.2023 15:22:06



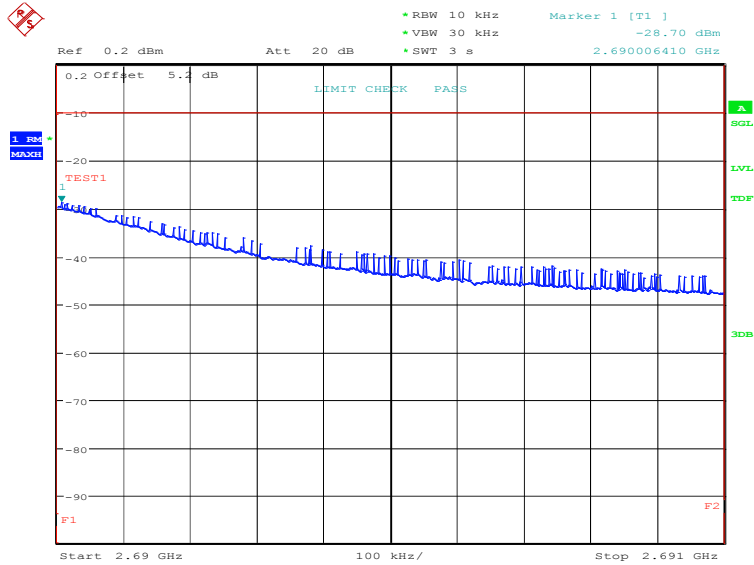
Date: 19.SEP.2023 15:22:24

OBW: 1RB-high_offset

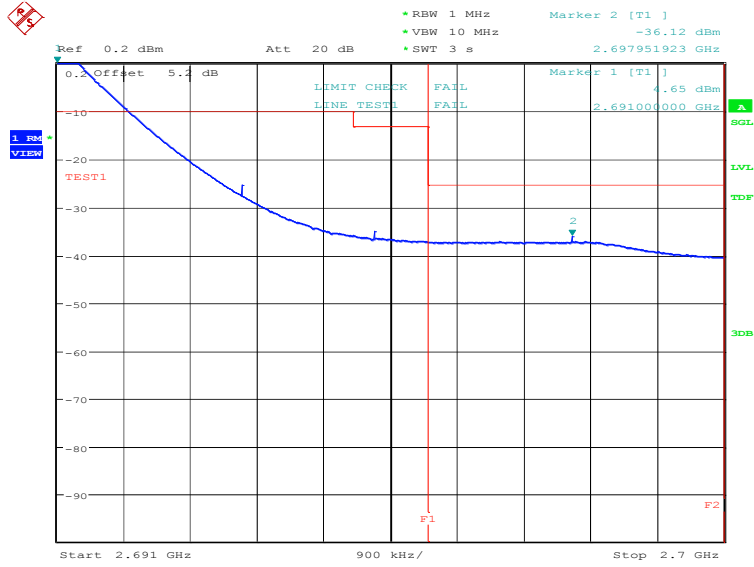


Date: 19.SEP.2023 15:23:00

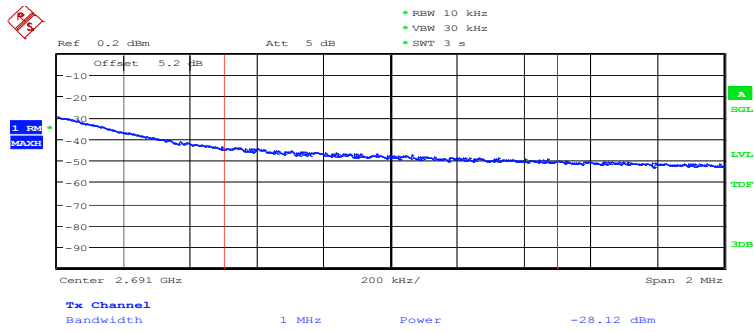
HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 19.SEP.2023 15:23:41

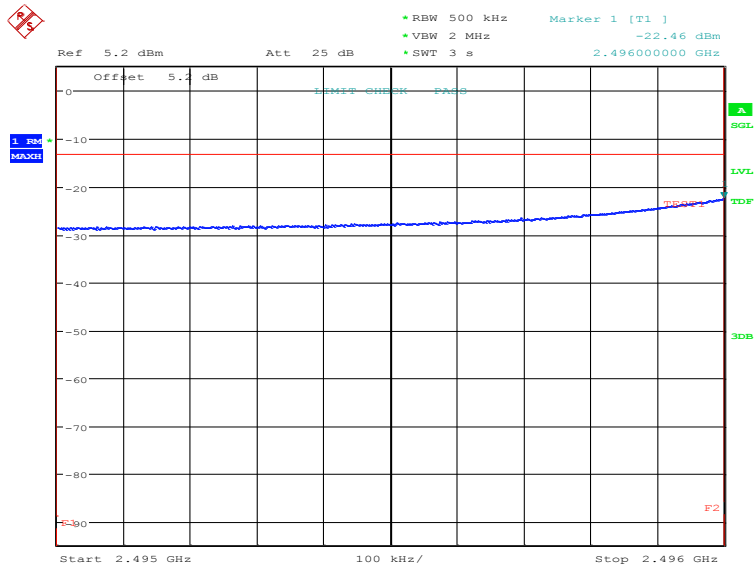


Date: 19.SEP.2023 15:24:28

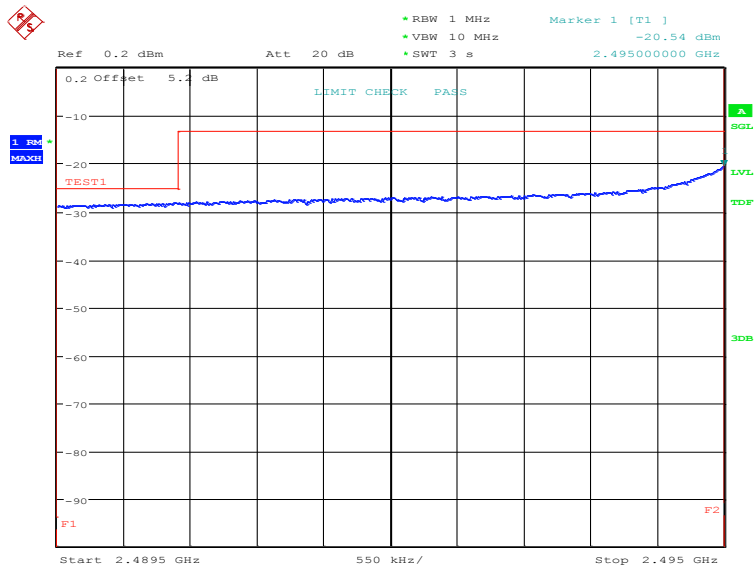


Date: 19.SEP.2023 15:24:46

LOW BAND EDGE BLOCK-20MHz-100%RB

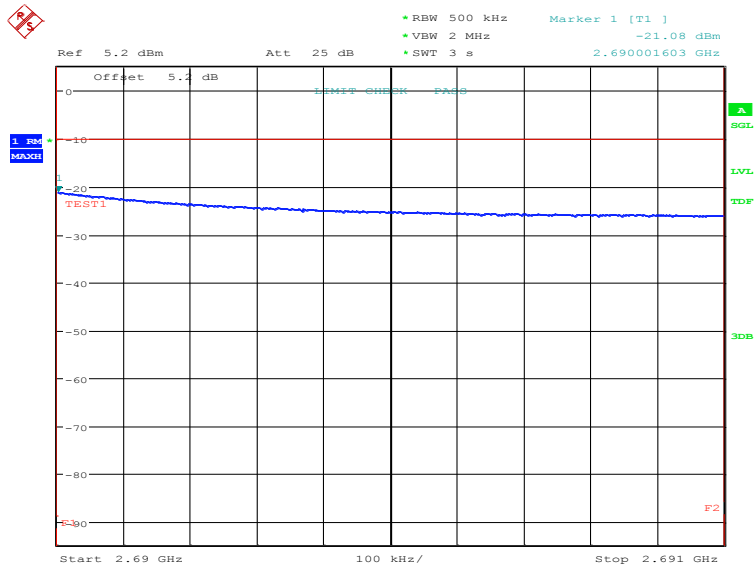


Date: 7.SEP.2023 16:23:14

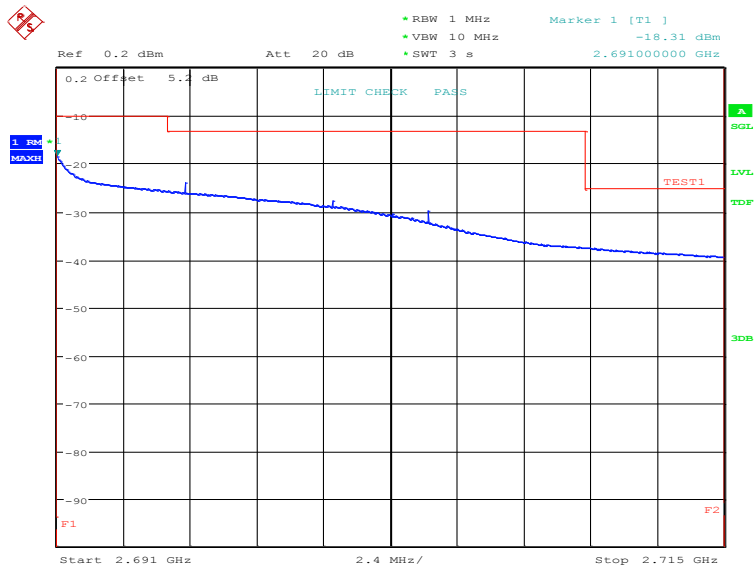


Date: 7.SEP.2023 16:23:54

HIGH BAND EDGE BLOCK-20MHz-100%RB

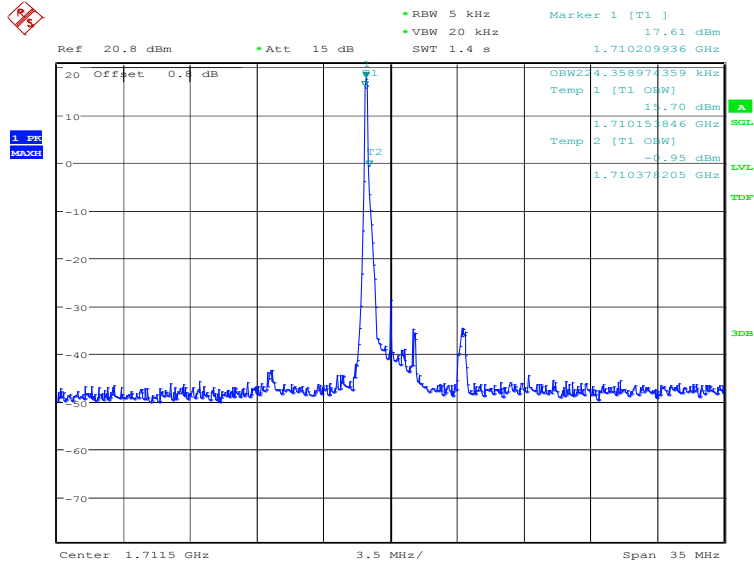


Date: 7.SEP.2023 16:25:52



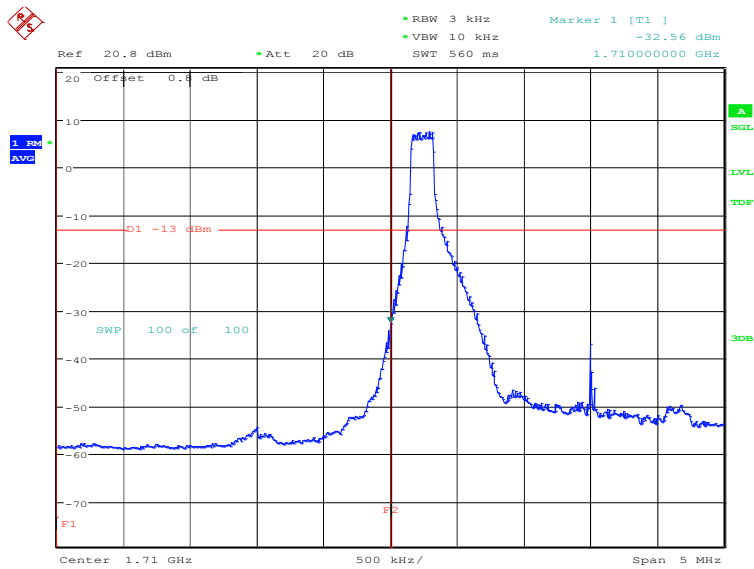
Date: 7.SEP.2023 16:26:32

LTE band 66
OBW: 1RB-low_offset



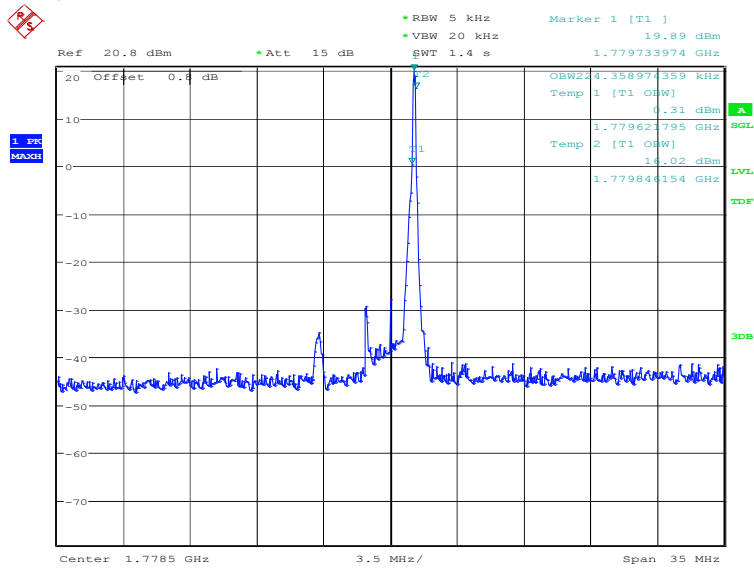
Date: 19.SEP.2023 15:15:55

LOW BAND EDGE BLOCK-1RB-low_offset



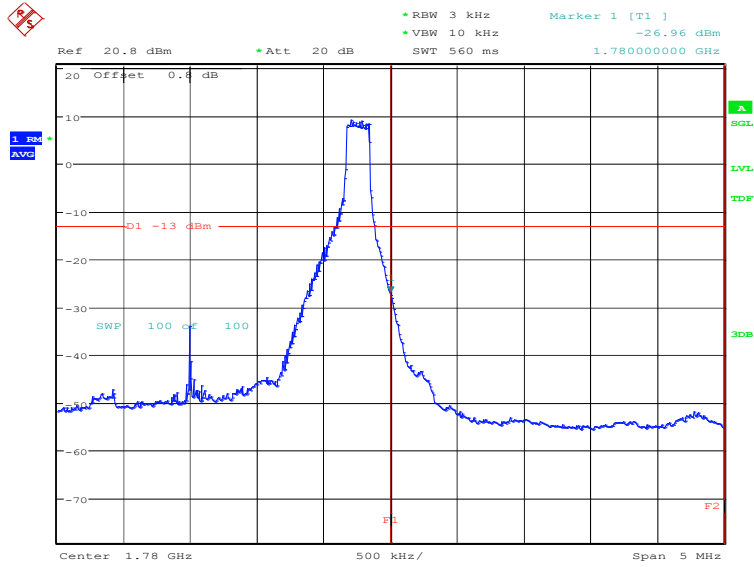
Date: 19.SEP.2023 15:17:10

OBW: 1RB-high_offset



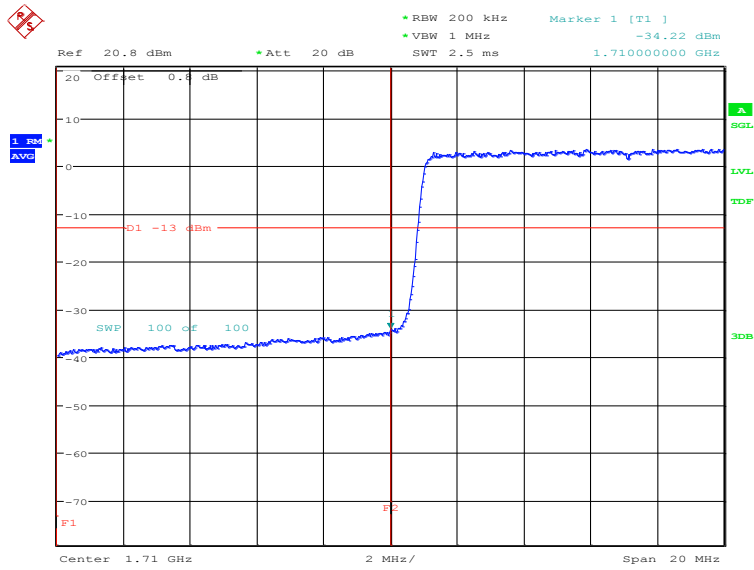
Date: 19.SEP.2023 15:17:47

HIGH BAND EDGE BLOCK-1RB-high_offset



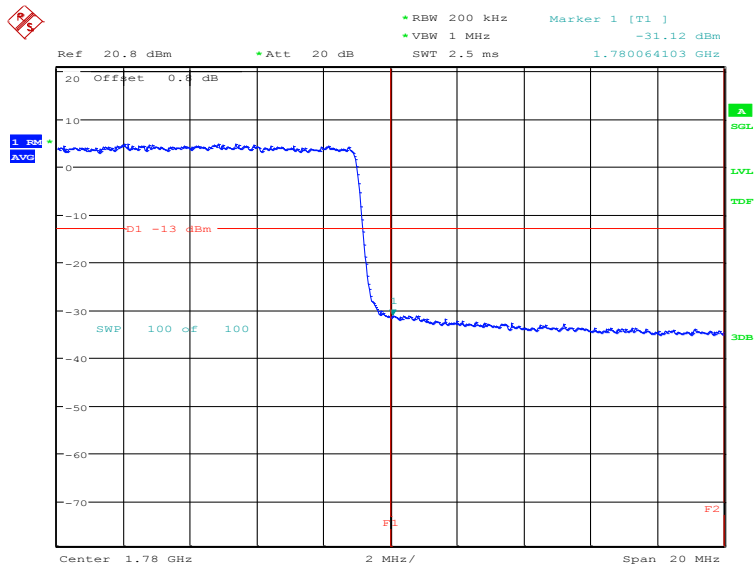
Date: 19.SEP.2023 15:19:01

LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 7.SEP.2023 16:18:57

HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 7.SEP.2023 16:20:31

Note: Expanded measurement uncertainty is $U = 0.622$ dB, $k = 2$.