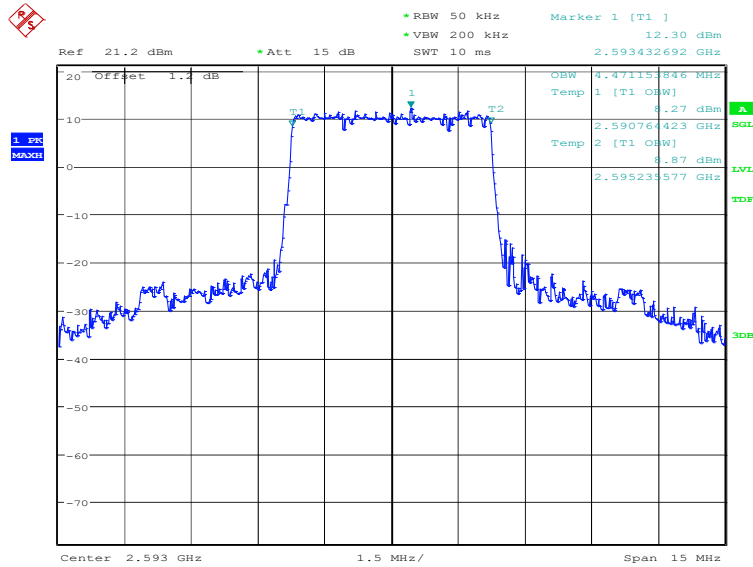


LTE band 41, 5MHz (99%)

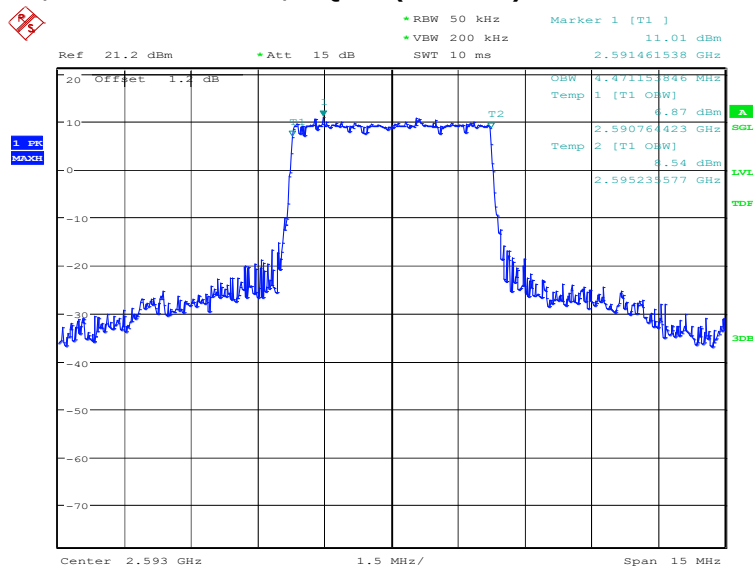
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 6.DEC.2022 15:09:38

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

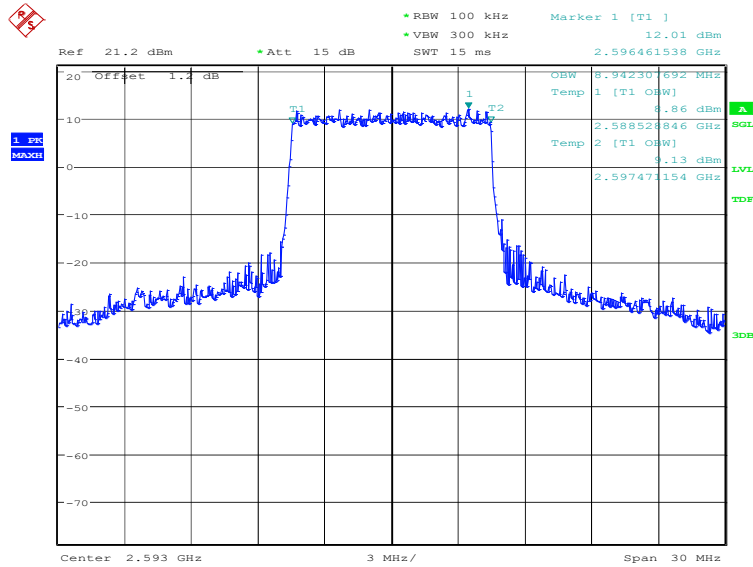


Date: 6.DEC.2022 15:10:18

LTE band 41, 10MHz (99%)

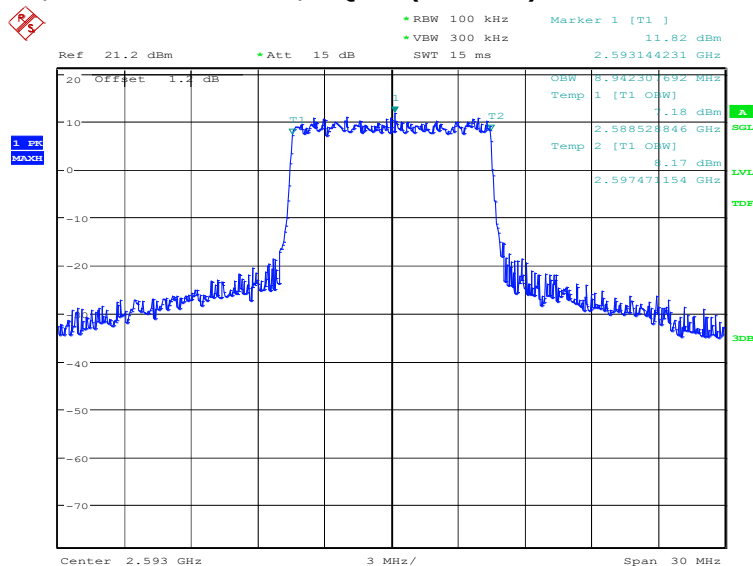
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 6.DEC.2022 15:11:04

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

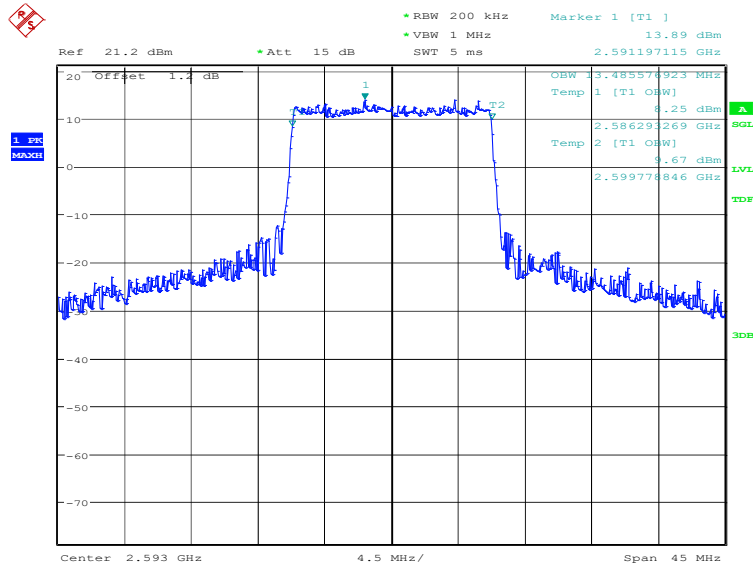


Date: 6.DEC.2022 15:11:44

LTE band 41, 15MHz (99%)

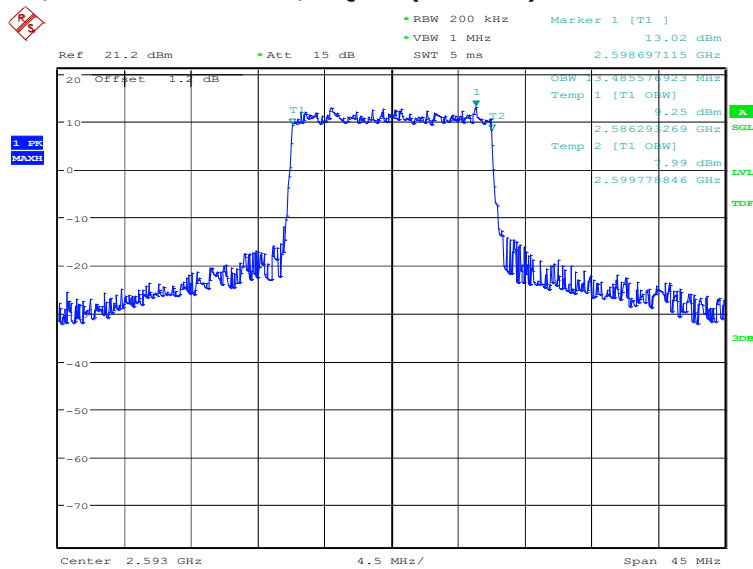
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 6.DEC.2022 15:12:30

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

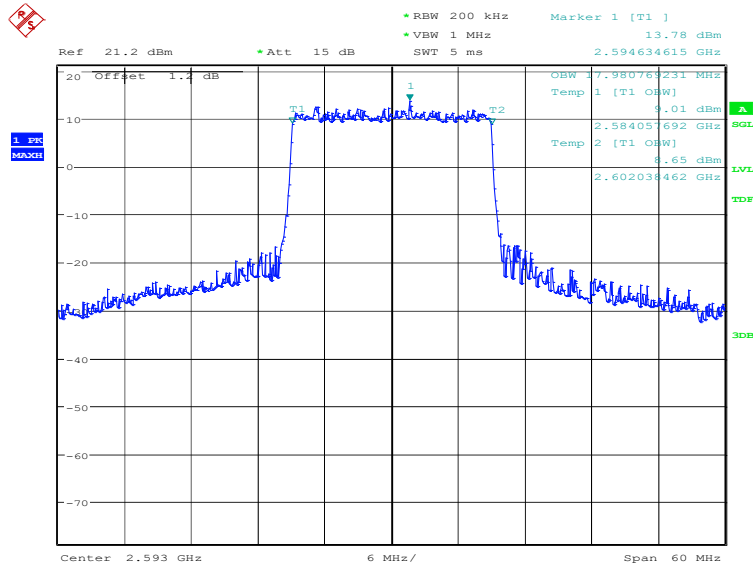


Date: 6.DEC.2022 15:13:10

LTE band 41, 20MHz (99%)

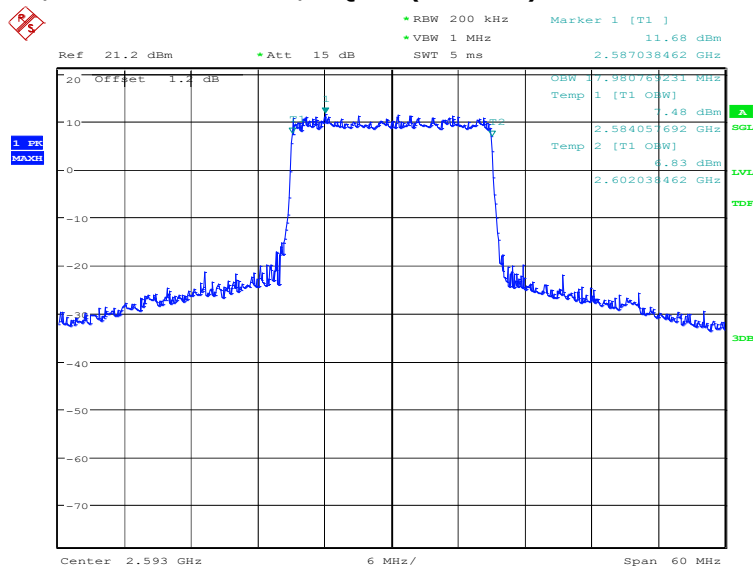
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 6.DEC.2022 15:13:55

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

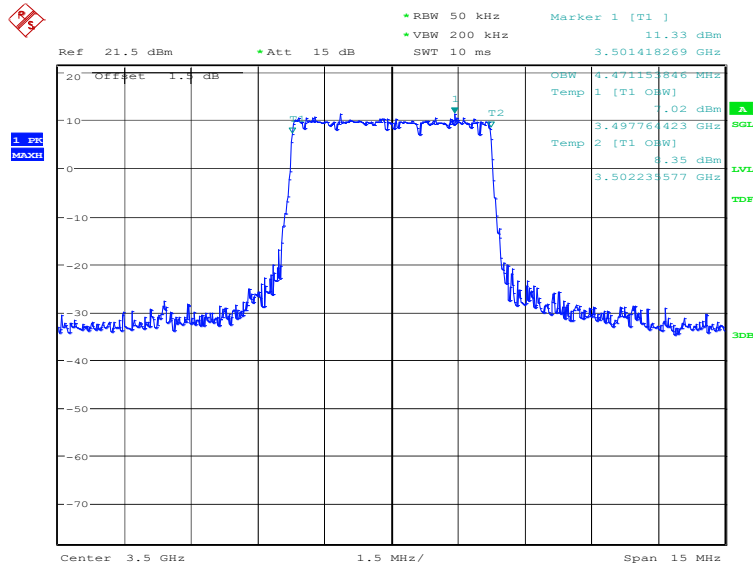


Date: 6.DEC.2022 15:14:36

LTE band 42, 5MHz (99%)

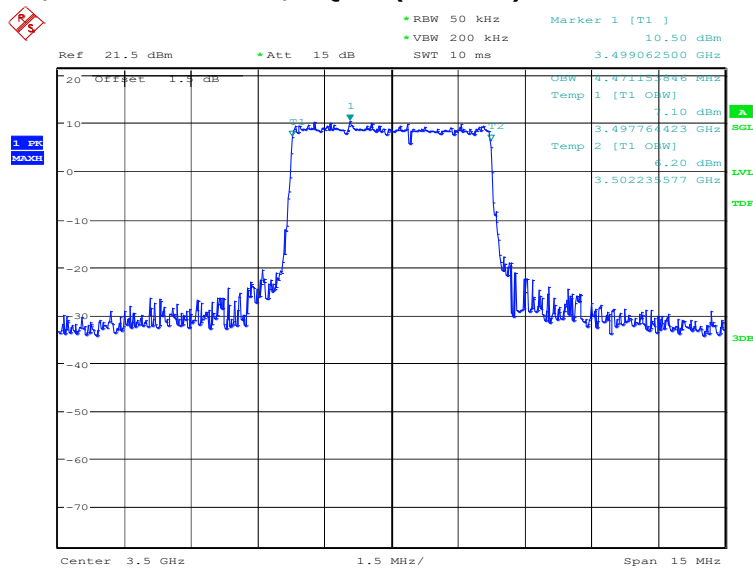
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3500.0	QPSK	16QAM
	4471.15	4471.15

LTE band 42, 5MHz Bandwidth, QPSK (99% BW)



Date: 17.JAN.2023 12:31:26

LTE band 42, 5MHz Bandwidth, 16QAM (99% BW)

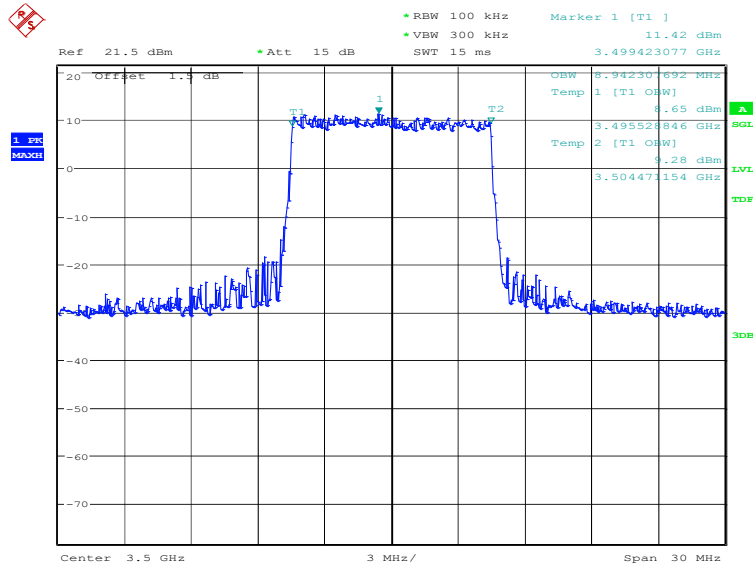


Date: 17.JAN.2023 12:32:06

LTE band 42, 10MHz (99%)

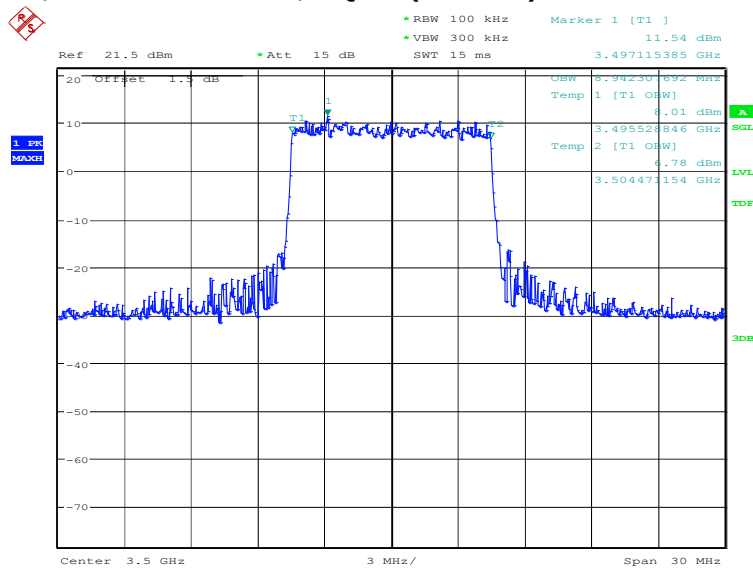
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3500.0	QPSK	16QAM
	8942.31	8942.31

LTE band 42, 10MHz Bandwidth, QPSK (99% BW)



Date: 17.JAN.2023 12:32:52

LTE band 42, 10MHz Bandwidth,16QAM (99% BW)

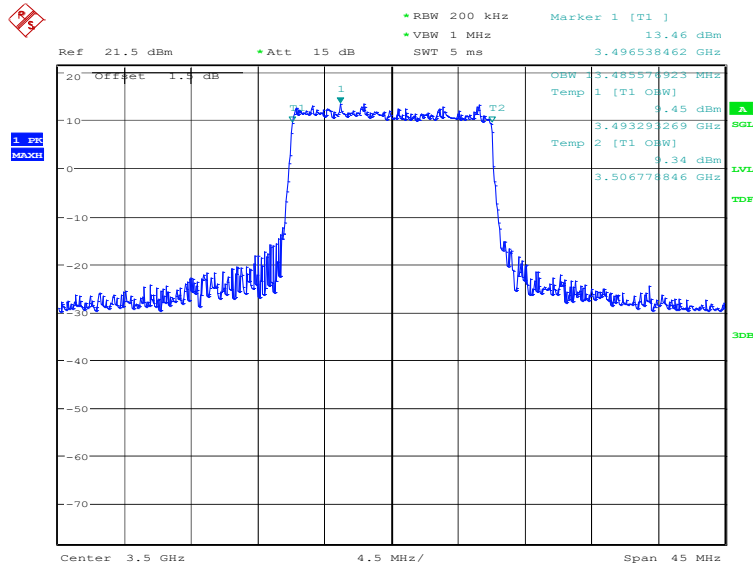


Date: 17.JAN.2023 12:33:32

LTE band 42, 15MHz (99%)

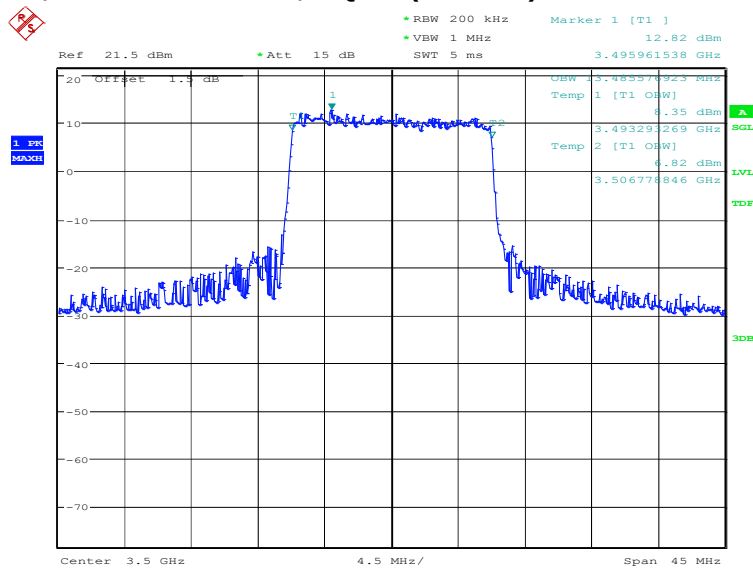
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3500.0	QPSK	16QAM
	13485.58	13485.58

LTE band 42, 15MHz Bandwidth, QPSK (99% BW)



Date: 17.JAN.2023 12:34:18

LTE band 42, 15MHz Bandwidth,16QAM (99% BW)

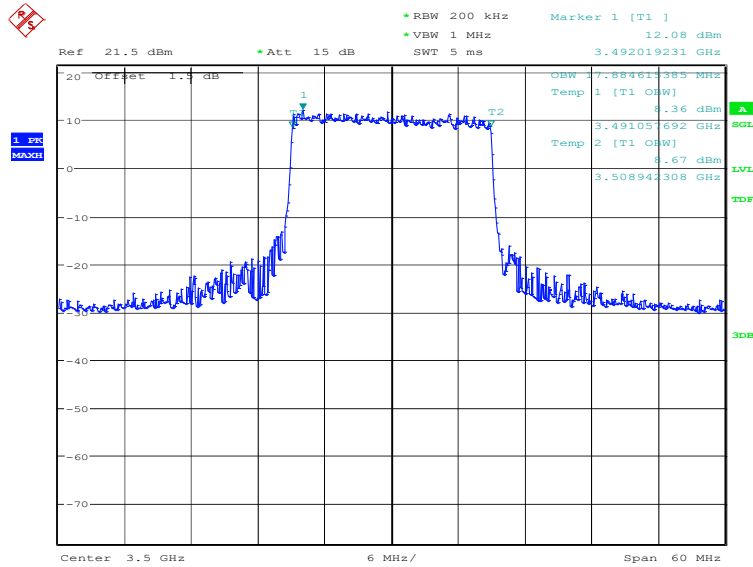


Date: 17.JAN.2023 12:34:58

LTE band 42, 20MHz (99%)

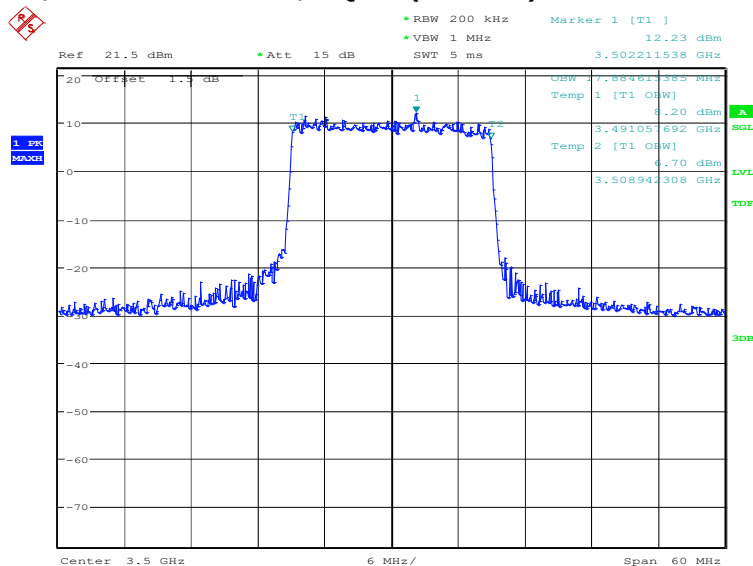
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3500.0	QPSK	16QAM
	17884.62	17884.62

LTE band 42, 20MHz Bandwidth, QPSK (99% BW)



Date: 17.JAN.2023 12:35:44

LTE band 42, 20MHz Bandwidth, 16QAM (99% BW)

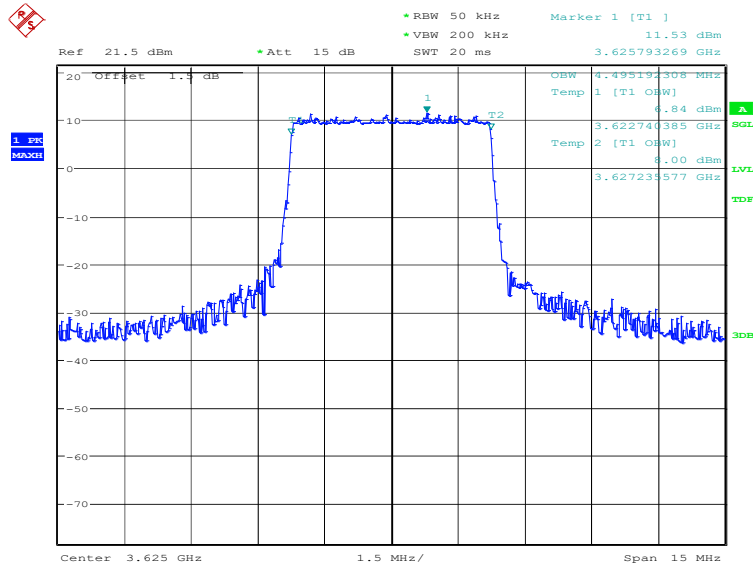


Date: 17.JAN.2023 12:36:24

LTE band 48, 5MHz (99%)

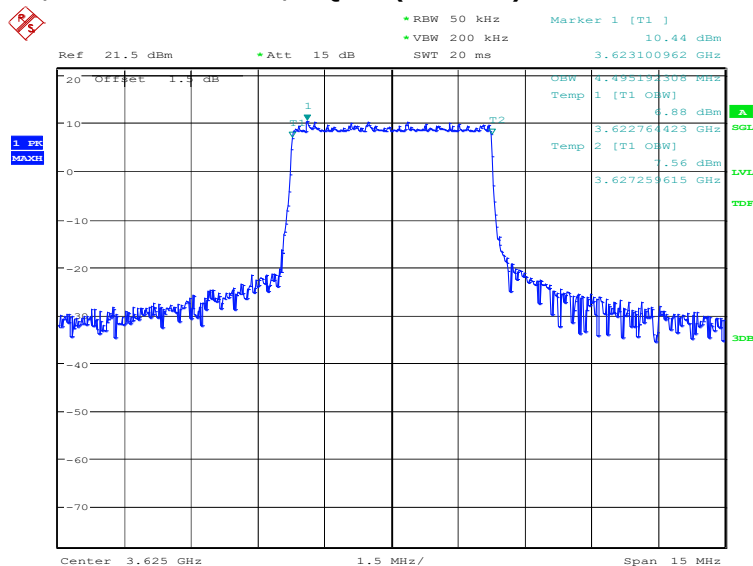
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3625.0	QPSK	16QAM
	4495.19	4495.19

LTE band 48, 5MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 17:58:05

LTE band 48, 5MHz Bandwidth,16QAM (99% BW)

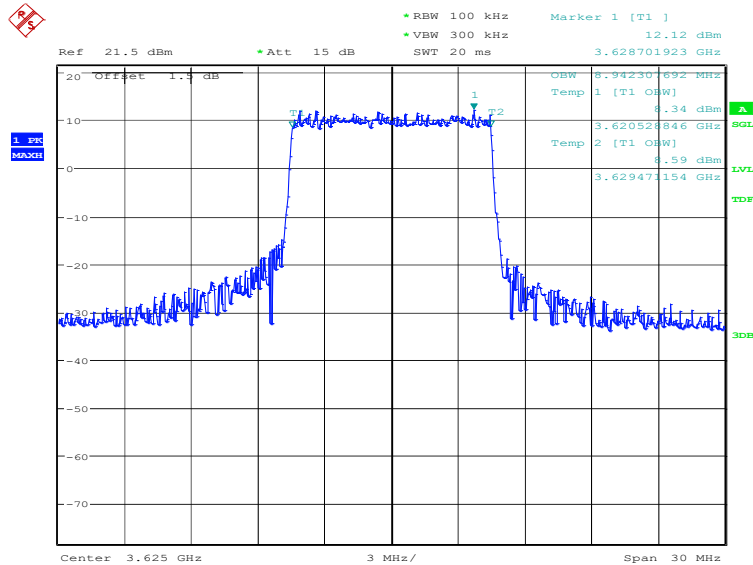


Date: 6.DEC.2022 17:58:46

LTE band 48, 10MHz (99%)

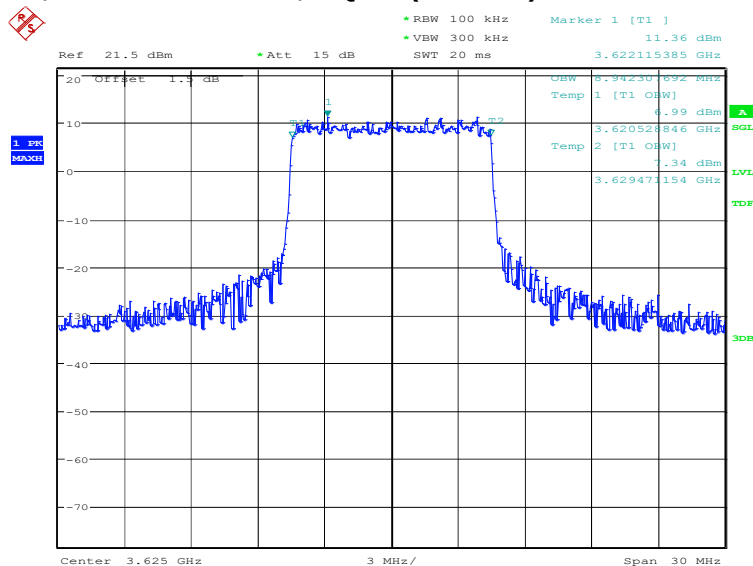
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3625.0	QPSK	16QAM
	8942.31	8942.31

LTE band 48, 10MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 17:59:31

LTE band 48, 10MHz Bandwidth, 16QAM (99% BW)

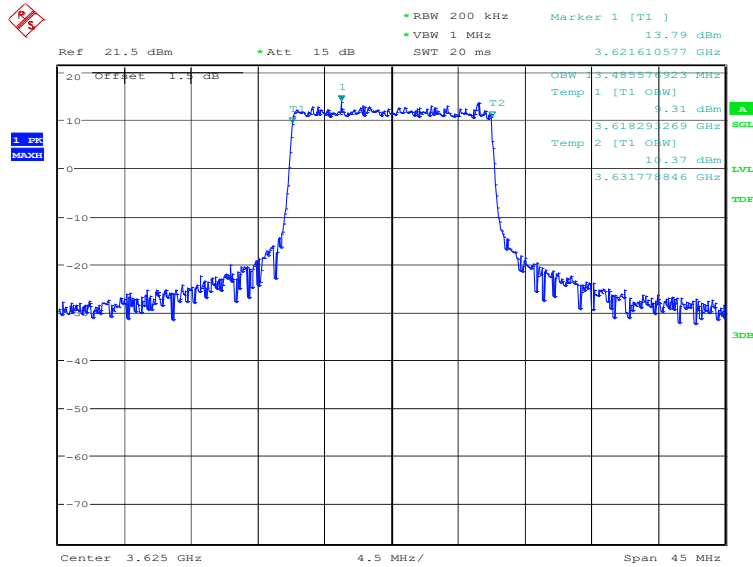


Date: 6.DEC.2022 18:00:11

LTE band 48, 15MHz (99%)

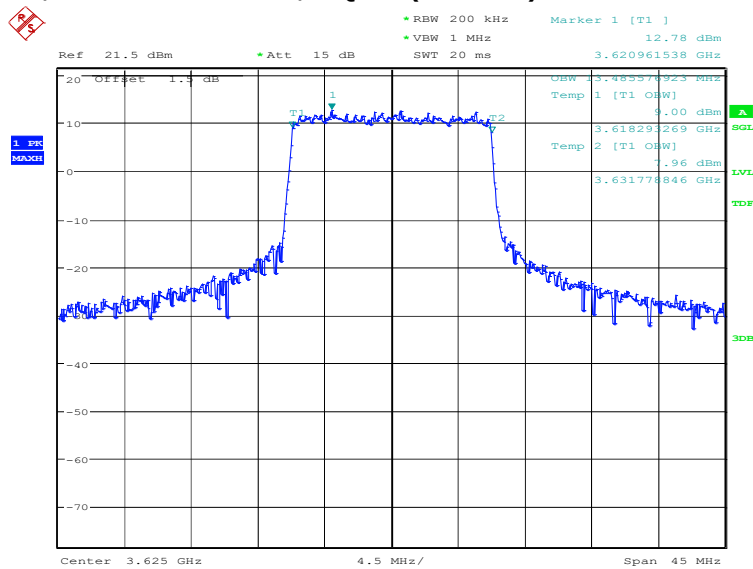
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3625.0	QPSK	16QAM
	13485.58	13485.58

LTE band 48, 15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 18:00:56

LTE band 48, 15MHz Bandwidth, 16QAM (99% BW)

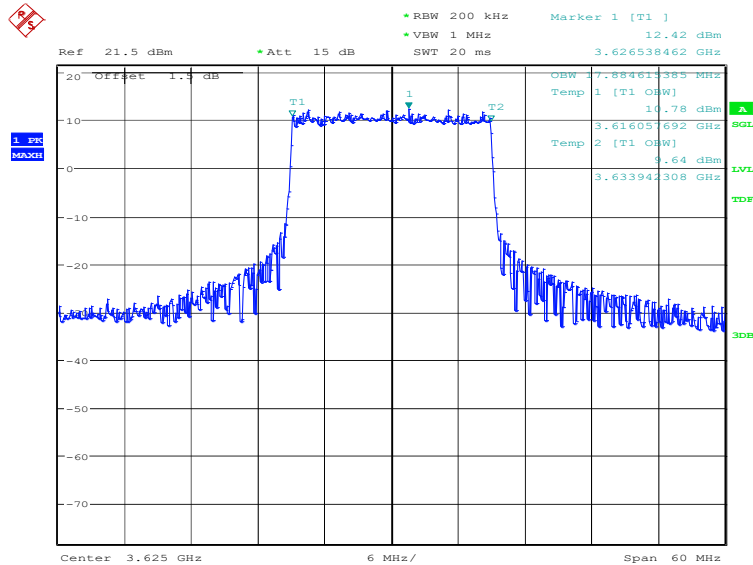


Date: 6.DEC.2022 18:01:36

LTE band 48, 20MHz (99%)

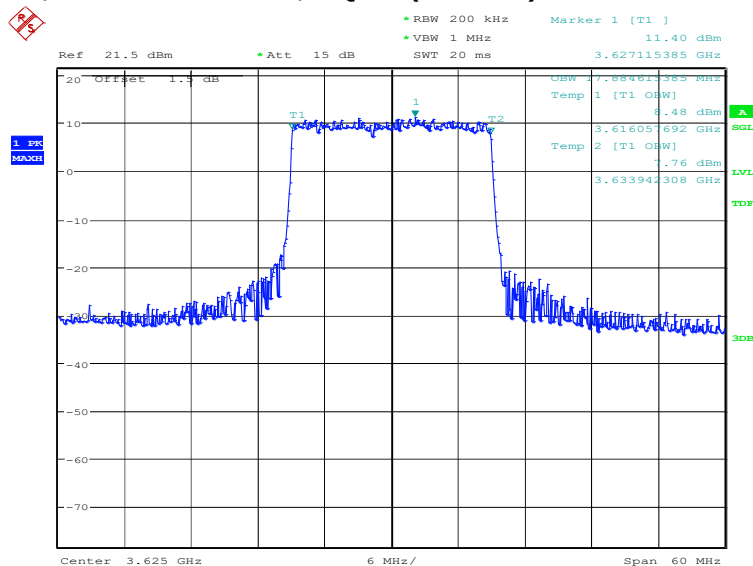
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
3625.0	QPSK	16QAM
	17884.62	17884.62

LTE band 48, 20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 18:02:21

LTE band 48, 20MHz Bandwidth, 16QAM (99% BW)

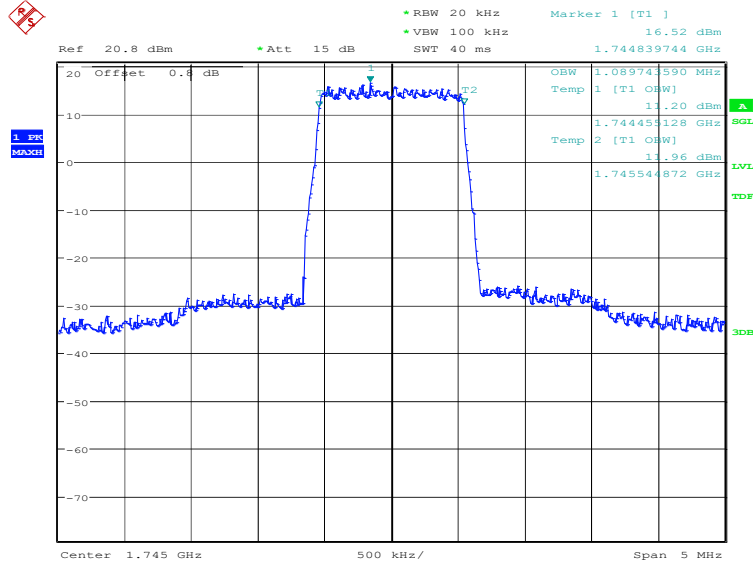


Date: 6.DEC.2022 18:03:01

LTE band 66, 1.4MHz (99%)

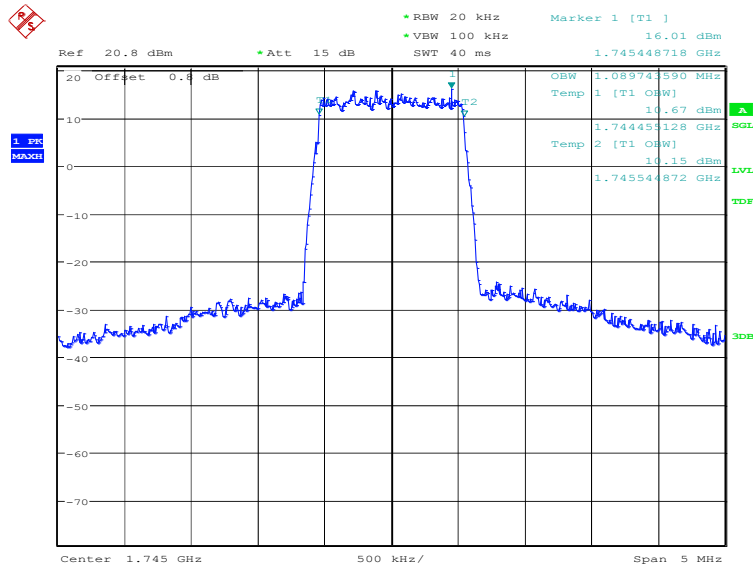
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 6.DEC.2022 15:00:14

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

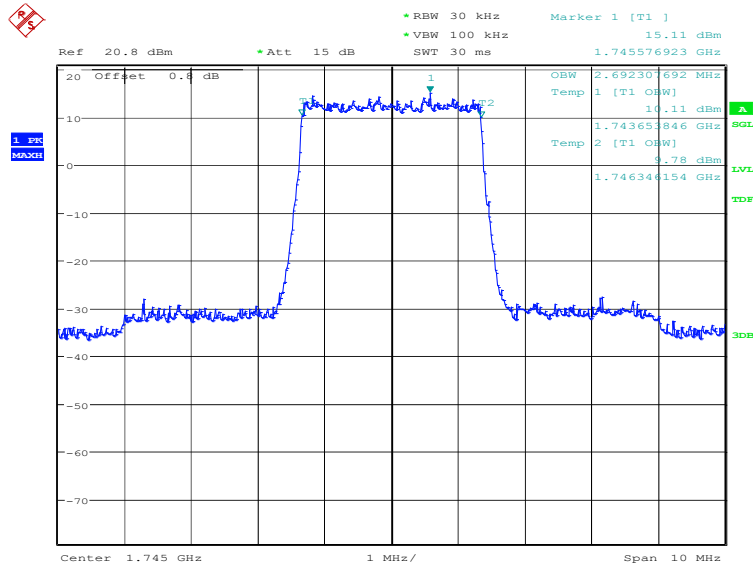


Date: 6.DEC.2022 15:00:55

LTE band 66, 3MHz (99%)

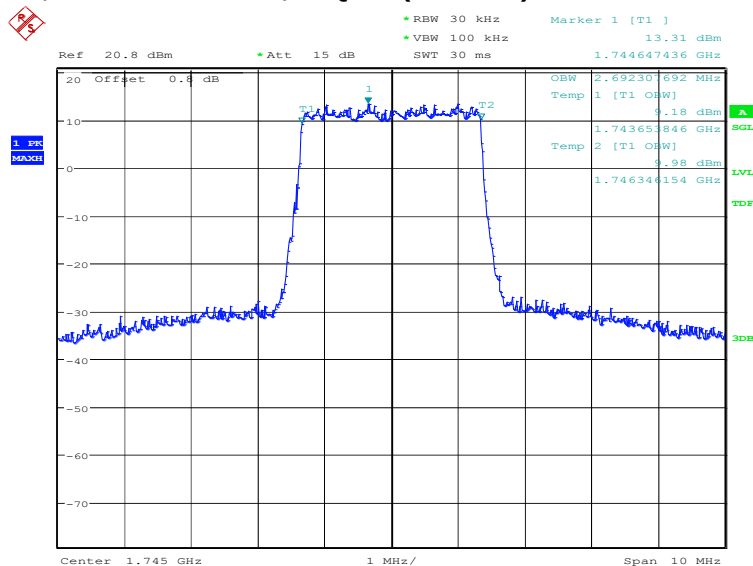
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 6.DEC.2022 15:01:40

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

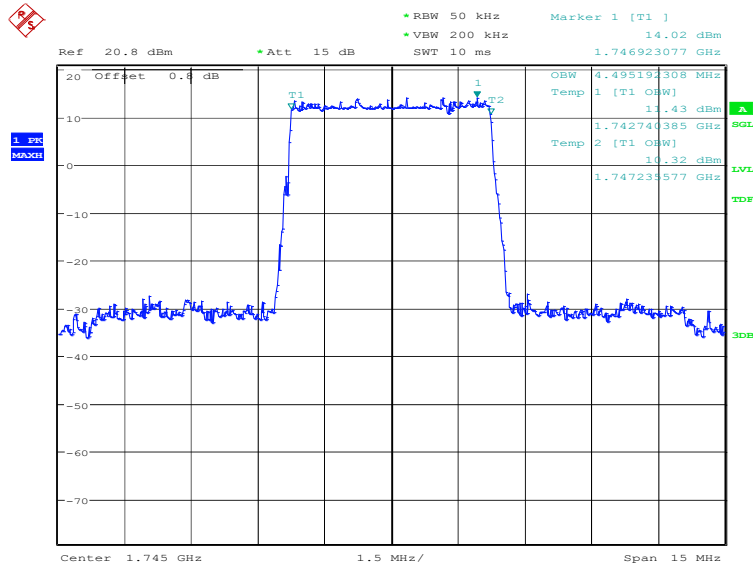


Date: 6.DEC.2022 15:02:20

LTE band 66, 5MHz (99%)

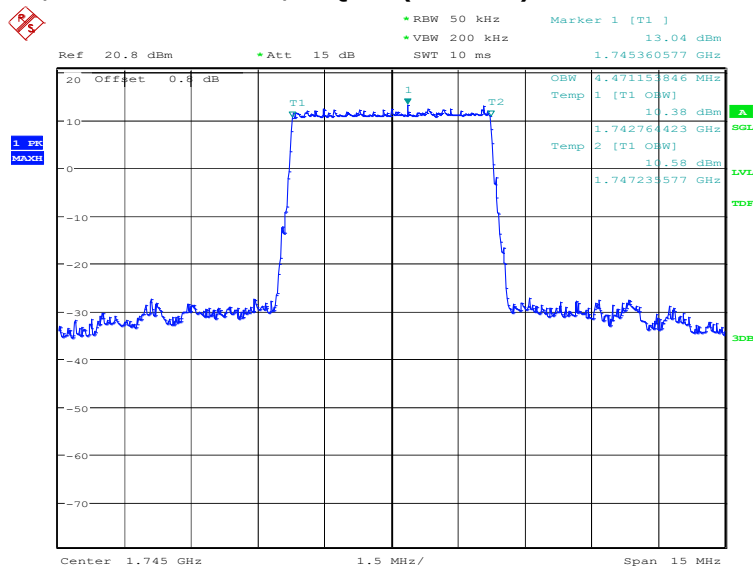
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	4495.19	4471.15

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



Date: 6.DEC.2022 15:03:05

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

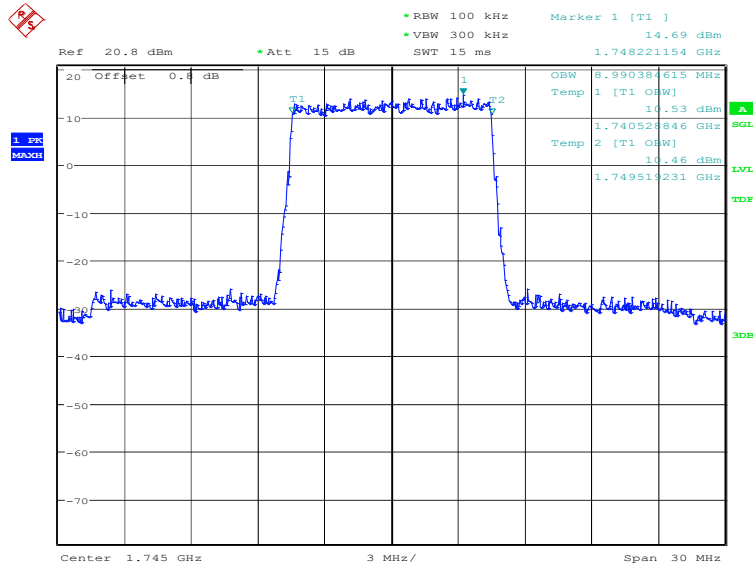


Date: 6.DEC.2022 15:03:45

LTE band 66, 10MHz (99%)

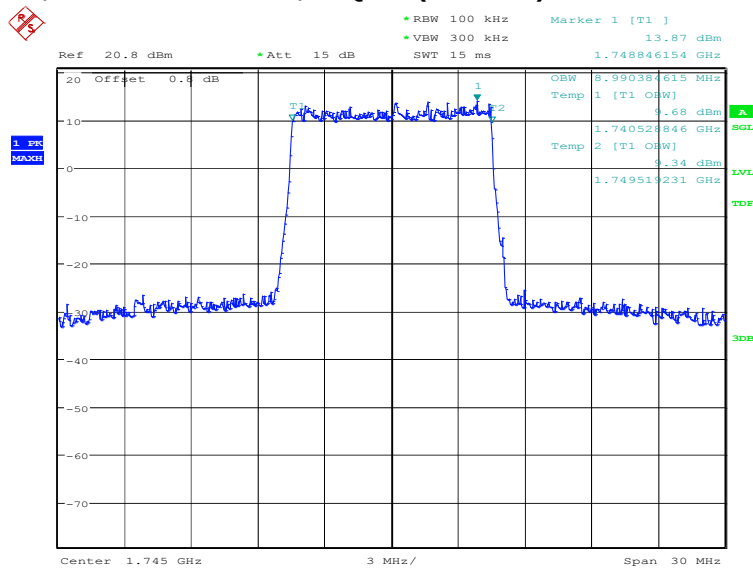
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	8990.38	8990.38

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



Date: 6.DEC.2022 15:04:31

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

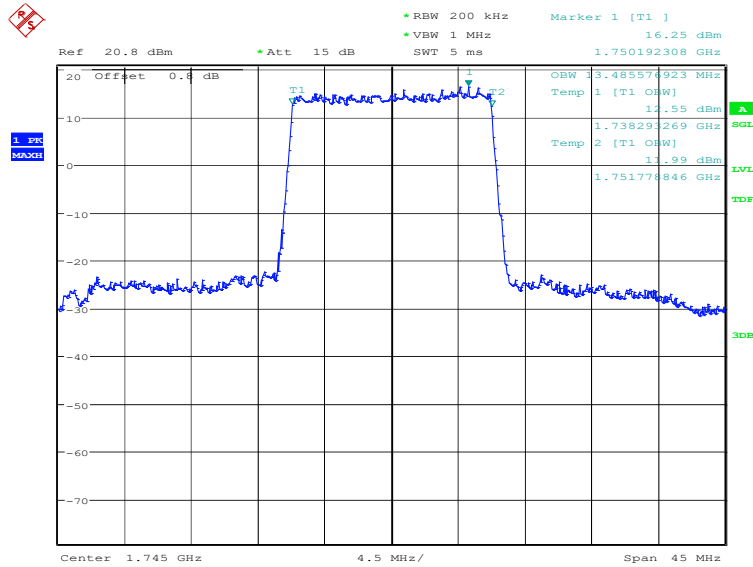


Date: 6.DEC.2022 15:05:11

LTE band 66, 15MHz (99%)

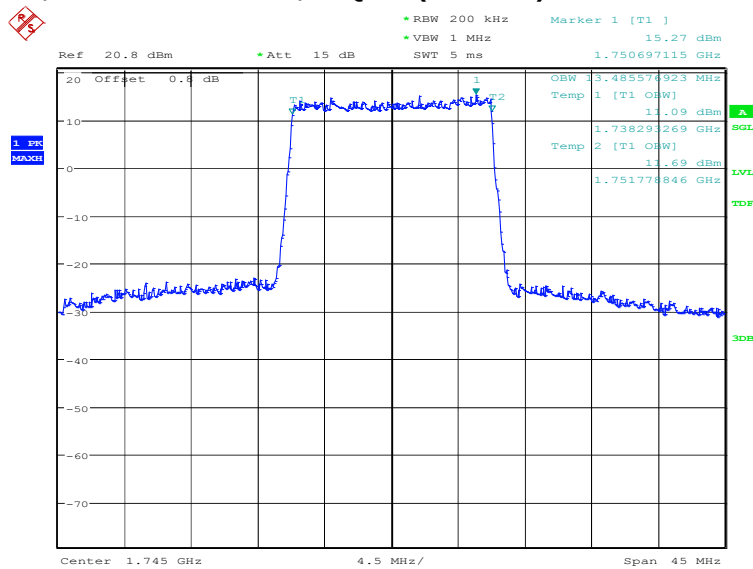
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 6.DEC.2022 15:05:56

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

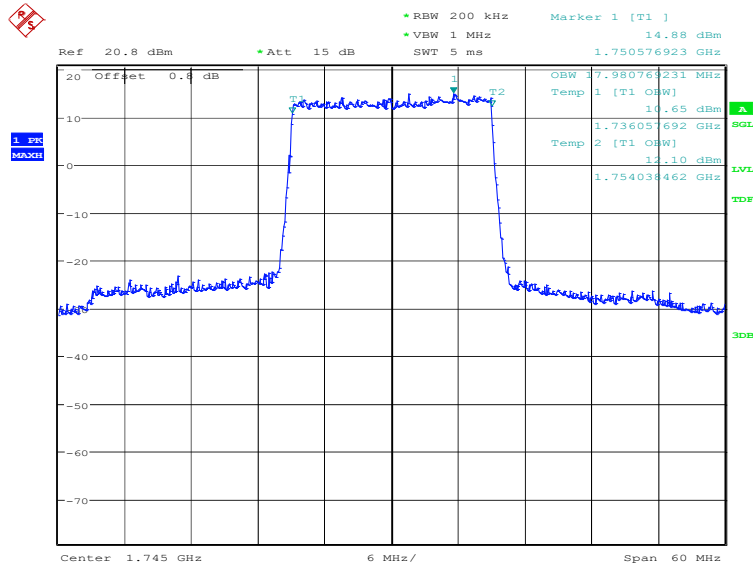


Date: 6.DEC.2022 15:06:36

LTE band 66, 20MHz (99%)

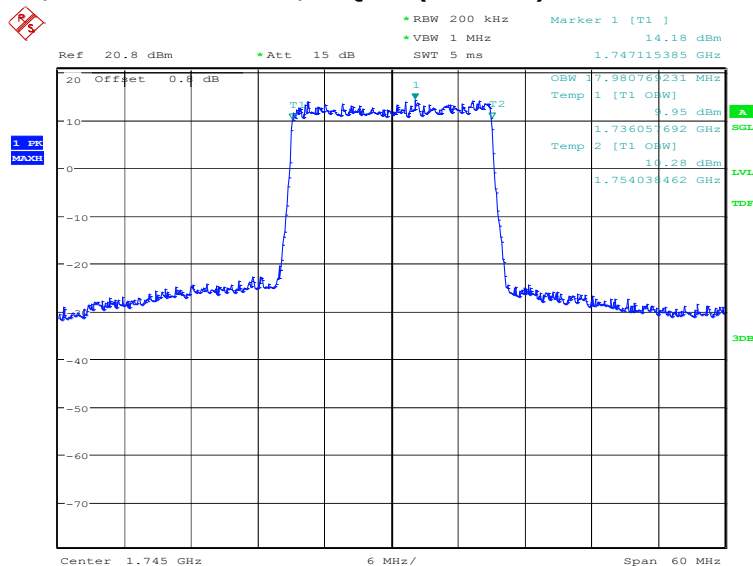
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 6.DEC.2022 15:07:21

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

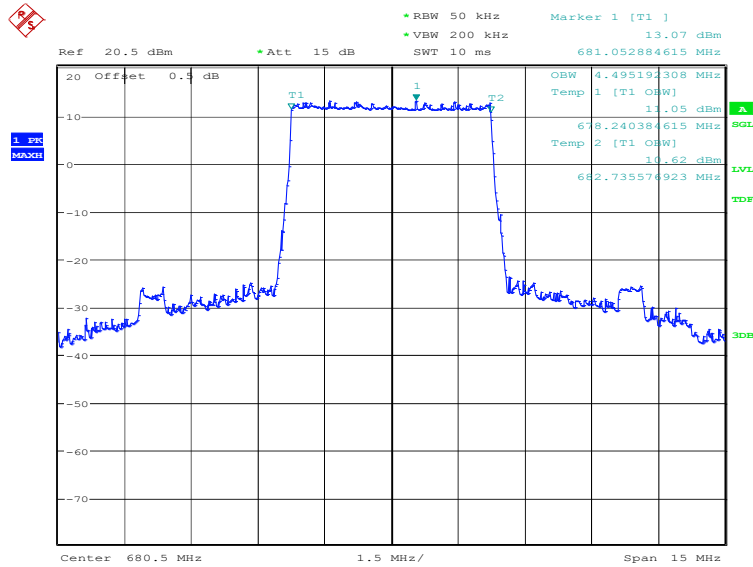


Date: 6.DEC.2022 15:08:02

LTE band 71, 5MHz (99%)

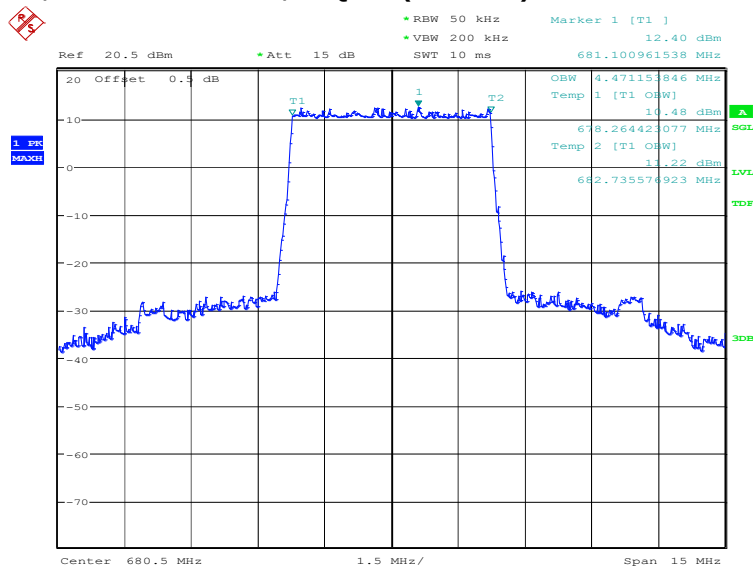
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	4495.19	4471.15

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



Date: 10.FEB.2023 09:50:06

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

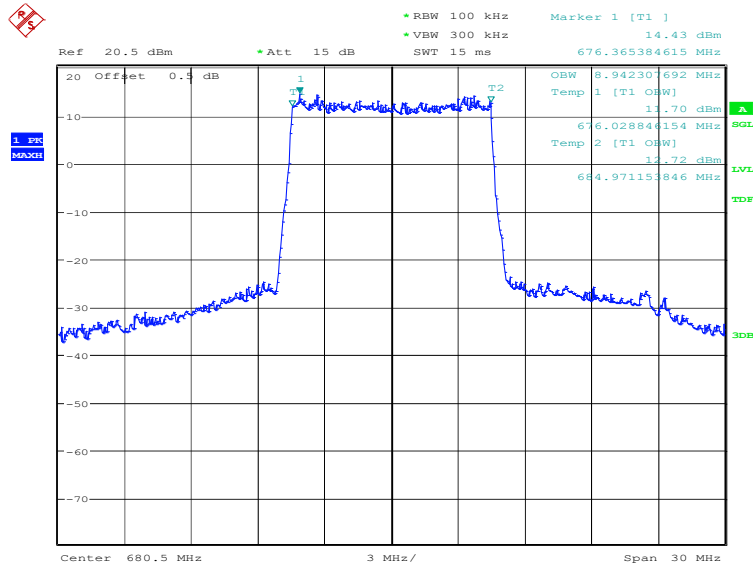


Date: 10.FEB.2023 09:50:47

LTE band 71, 10MHz (99%)

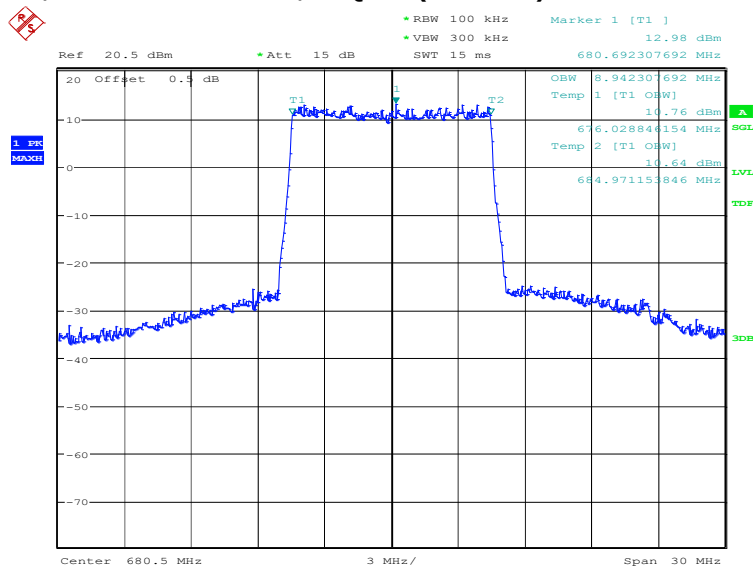
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 10.FEB.2023 09:51:32

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

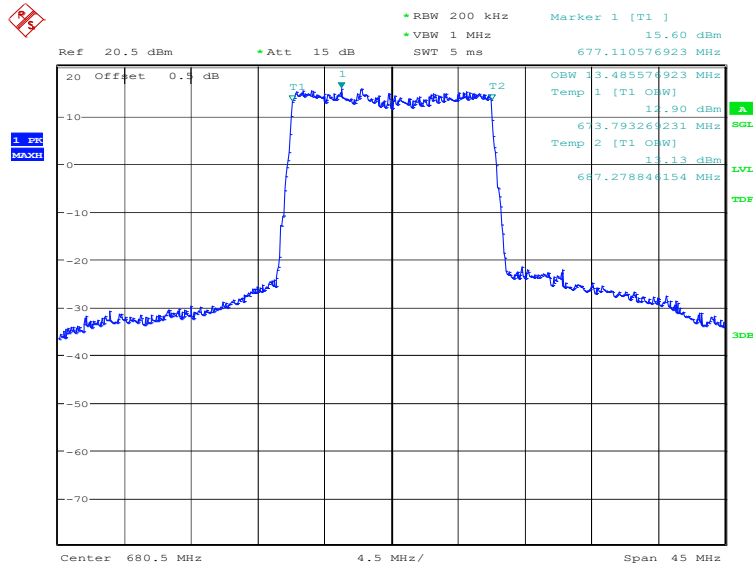


Date: 10.FEB.2023 09:52:13

LTE band 71, 15MHz (99%)

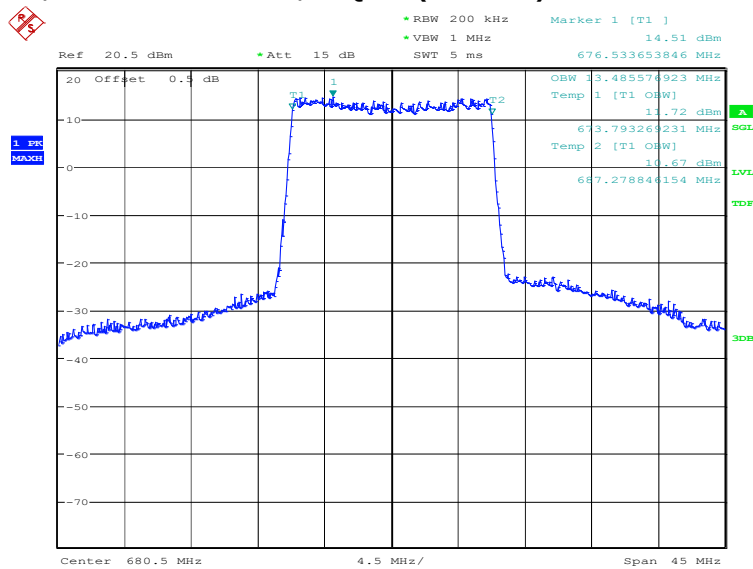
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 10.FEB.2023 09:52:59

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

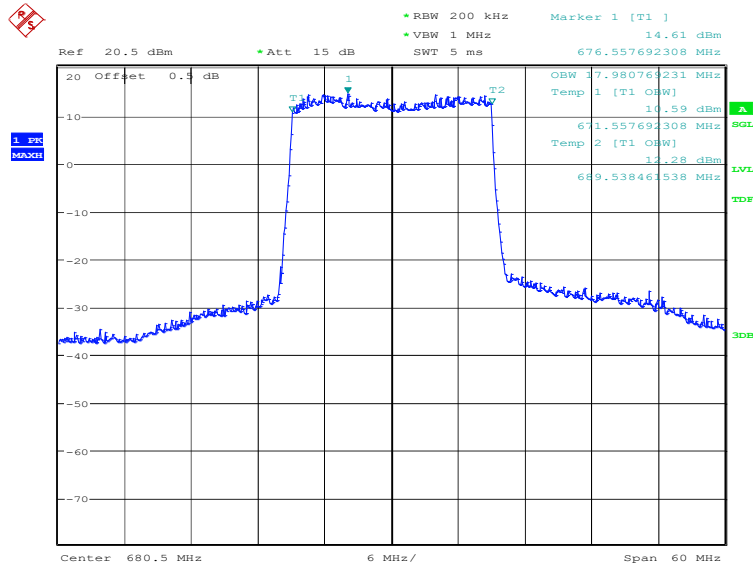


Date: 10.FEB.2023 09:53:39

LTE band 71, 20MHz (99%)

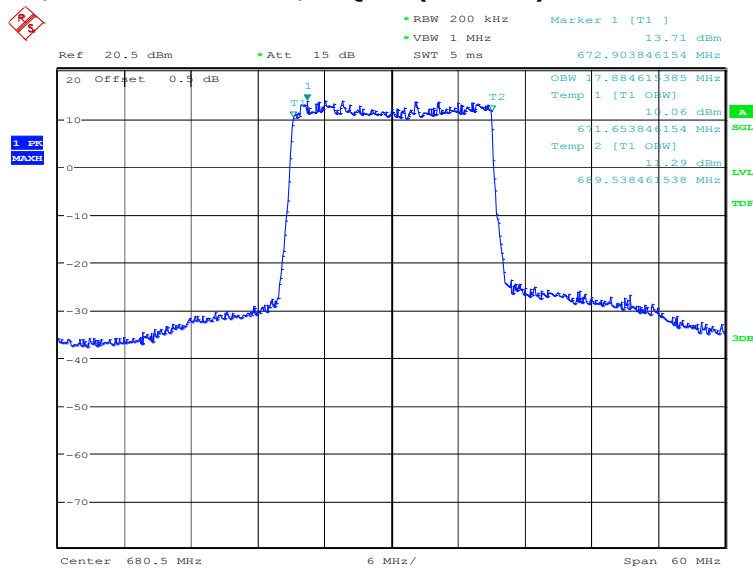
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	17980.77	17884.62

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



Date: 10.FEB.2023 09:54:25

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

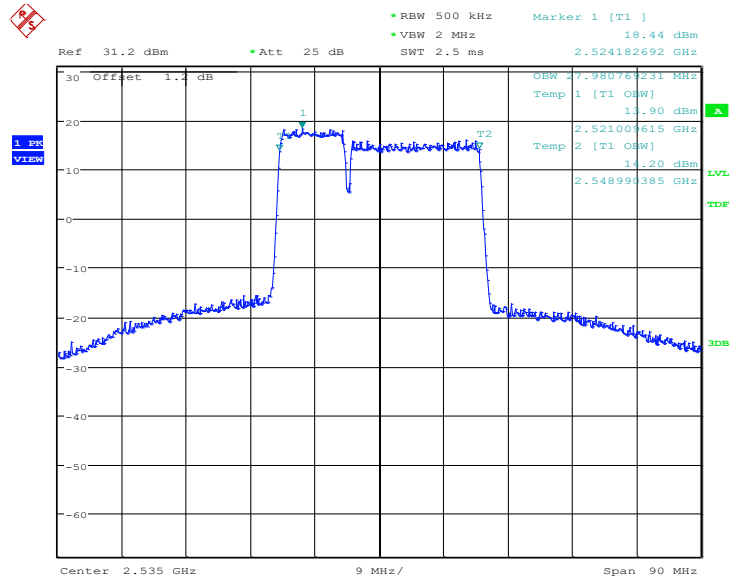


Date: 10.FEB.2023 09:55:05

LTE CA Band 7C, 10MHz+20MHz (99%)

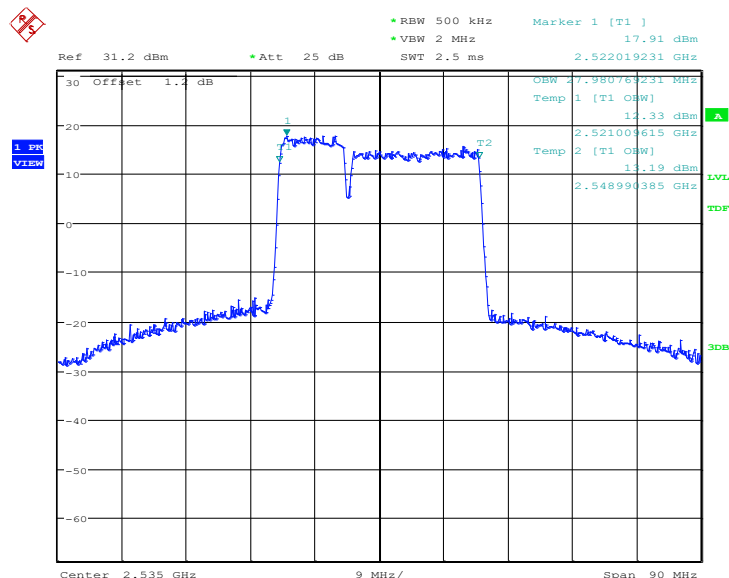
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	27.981	27.981

LTE CA Band 7C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:46:44

LTE CA Band 7C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)

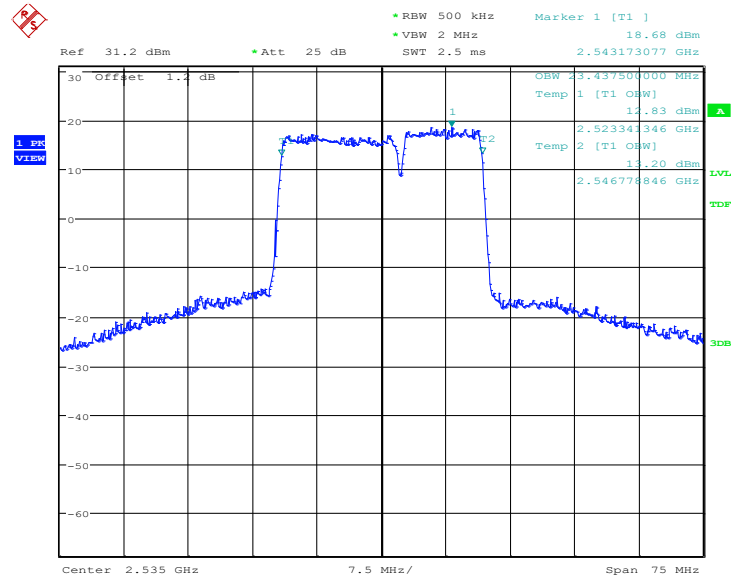


Date: 6.DEC.2022 08:47:07

LTE CA Band 7C, 15MHz+10MHz (99%)

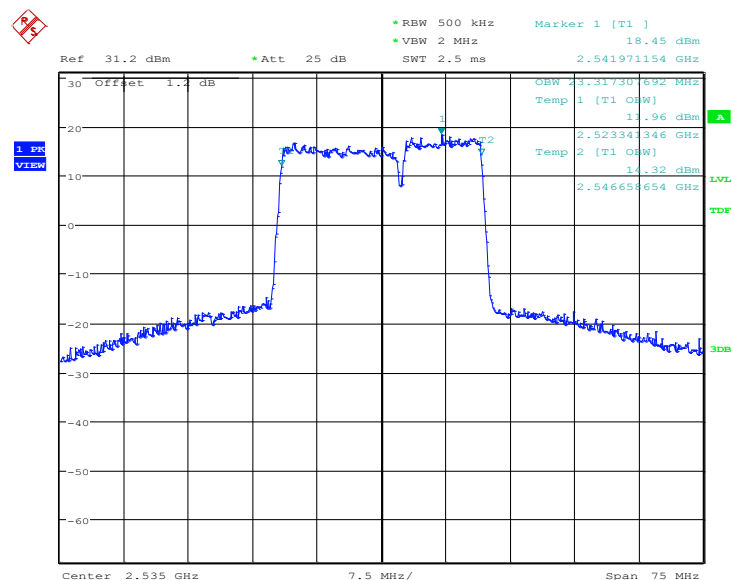
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	23.438	23.317

LTE CA Band 7C, 15MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:48:12

LTE CA Band 7C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)

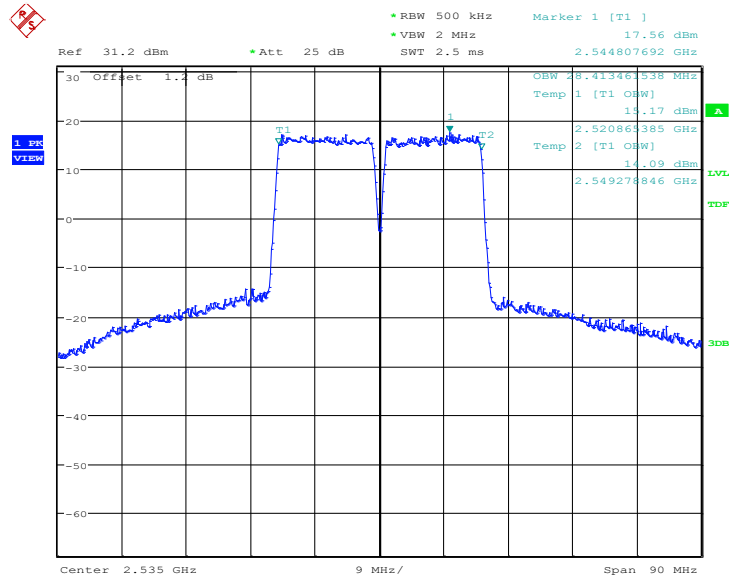


Date: 6.DEC.2022 08:48:35

LTE CA Band 7C, 15MHz+15MHz (99%)

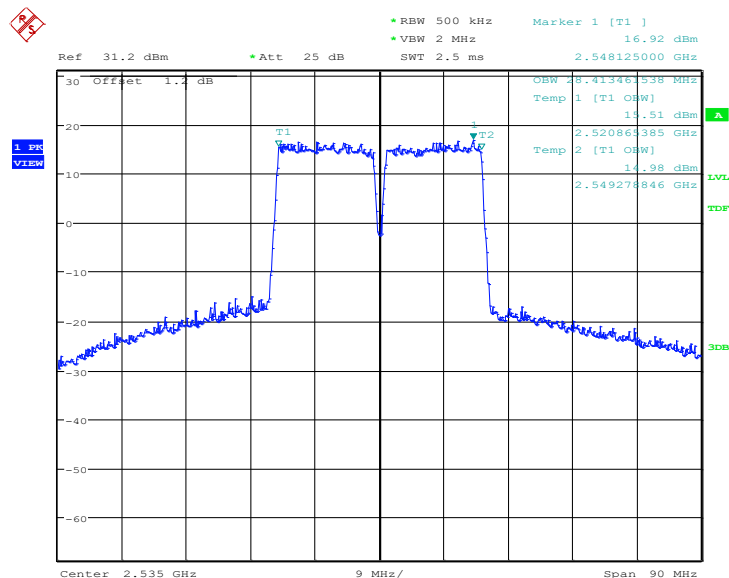
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	28.413	28.413

LTE CA Band 7C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:49:40

LTE CA Band 7C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)

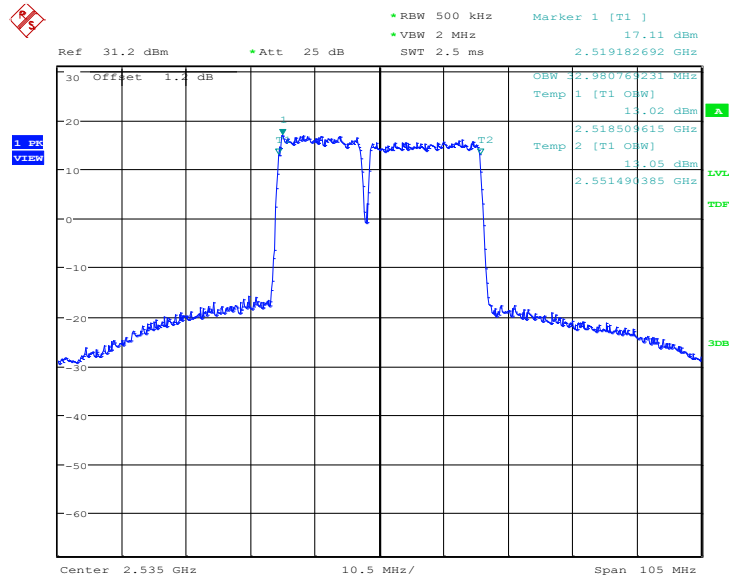


Date: 6.DEC.2022 08:50:03

LTE CA Band 7C, 15MHz+20MHz (99%)

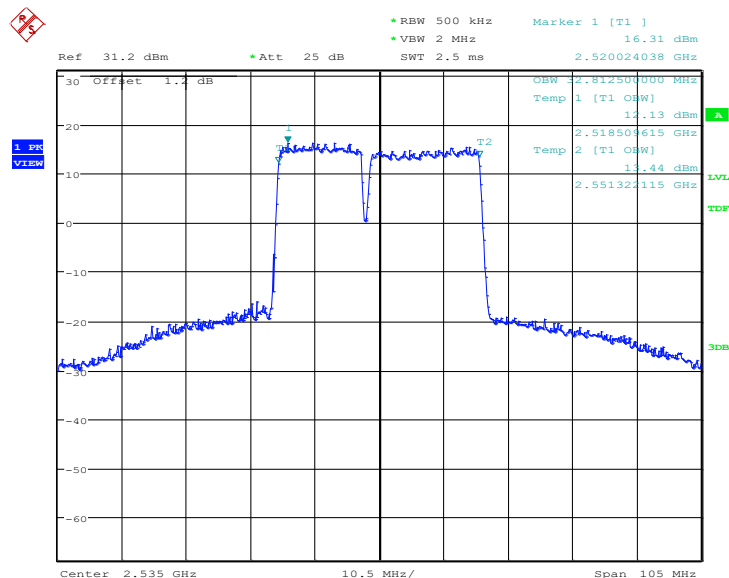
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	32.981	32.812

LTE CA Band 7C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:51:08

LTE CA Band 7C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)

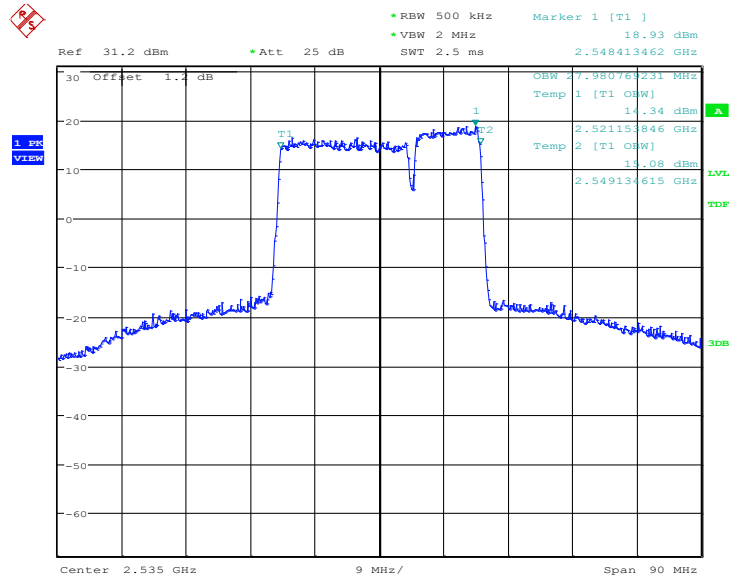


Date: 6.DEC.2022 08:51:31

LTE CA Band 7C, 20MHz+10MHz (99%)

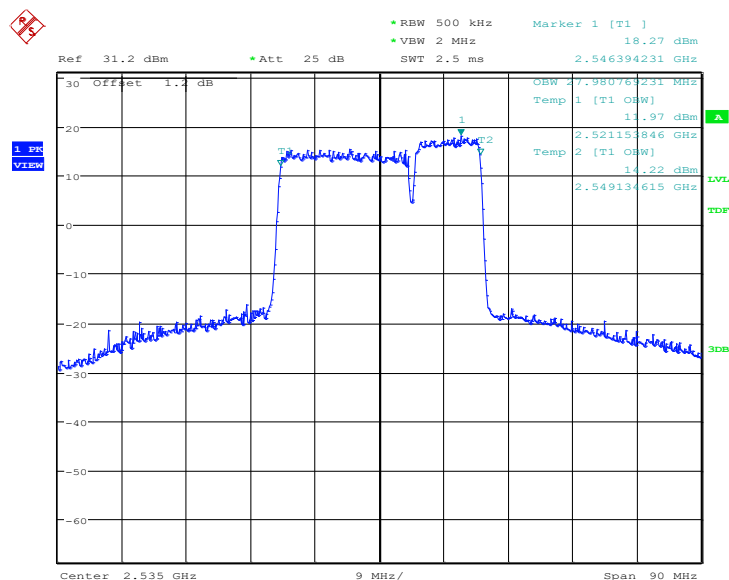
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	27.981	27.981

LTE CA Band 7C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:52:36

LTE CA Band 7C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)

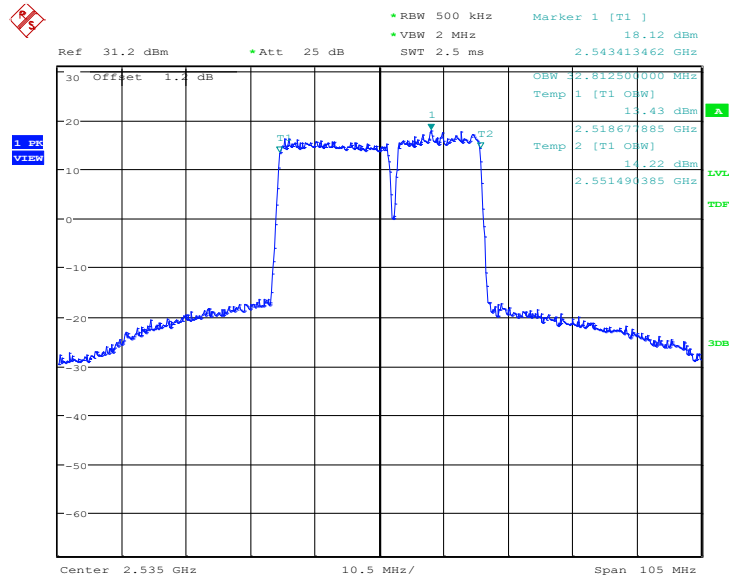


Date: 6.DEC.2022 08:52:59

LTE CA Band 7C, 20MHz+15MHz (99%)

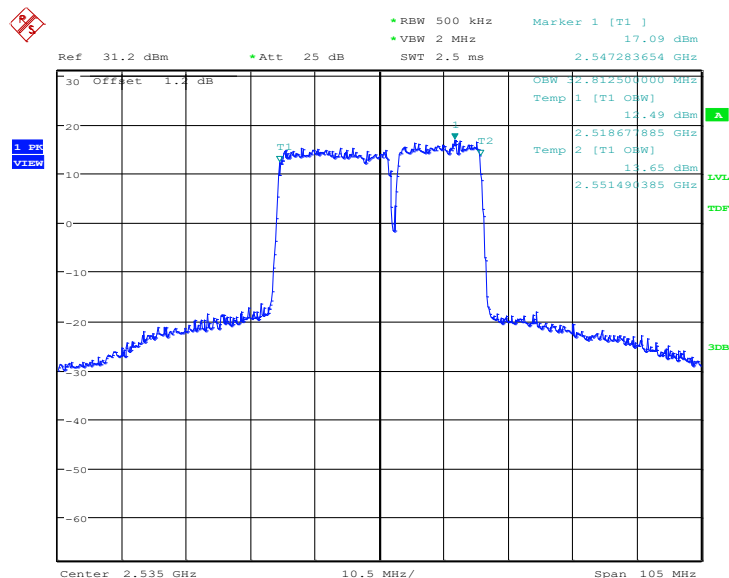
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	32.812	32.812

LTE CA Band 7C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:54:04

LTE CA Band 7C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)

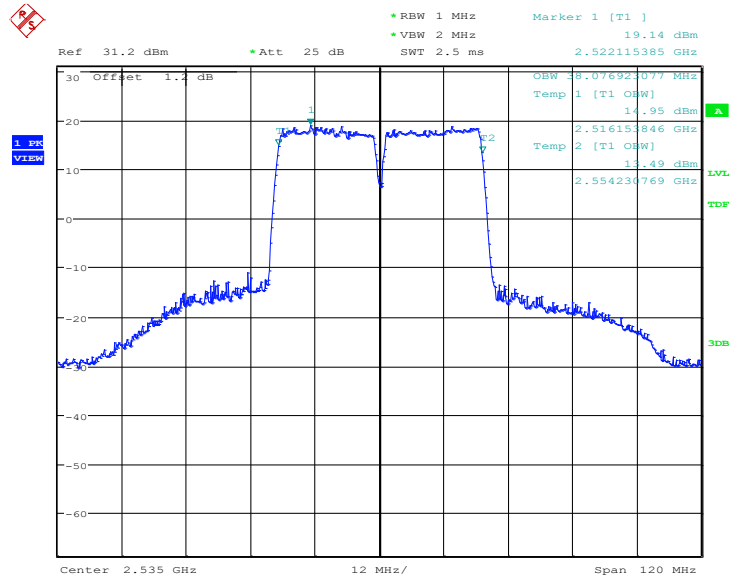


Date: 6.DEC.2022 08:54:27

LTE CA Band 7C, 20MHz+20MHz (99%)

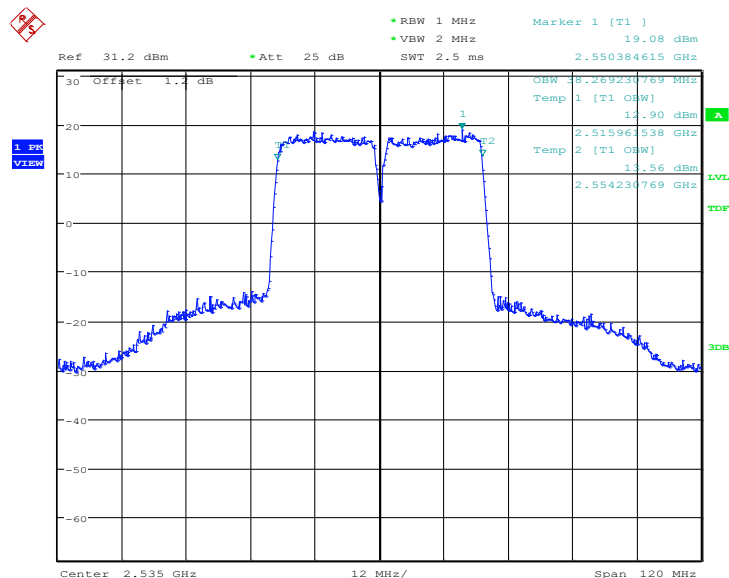
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	38.077	38.269

LTE CA Band 7C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 08:55:32

LTE CA Band 7C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)

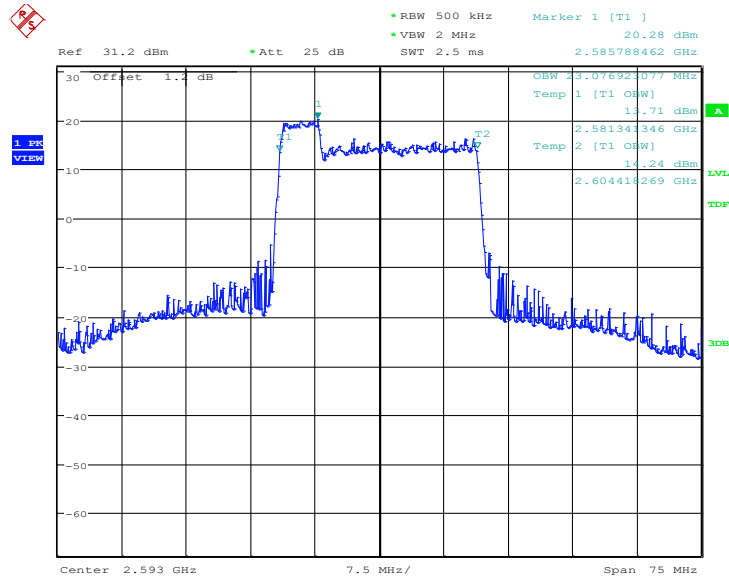


Date: 6.DEC.2022 08:55:55

LTE CA Band 41C, 5MHz+20MHz (99%)

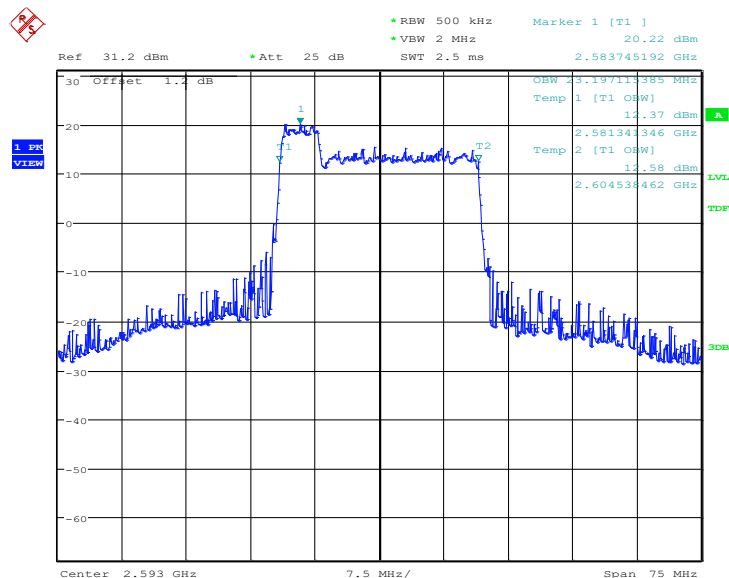
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.077	23.197

LTE CA Band 41C, 5MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:00:27

LTE CA Band 41C, 5MHz+20MHz Bandwidth, 16QAM (99% BW)

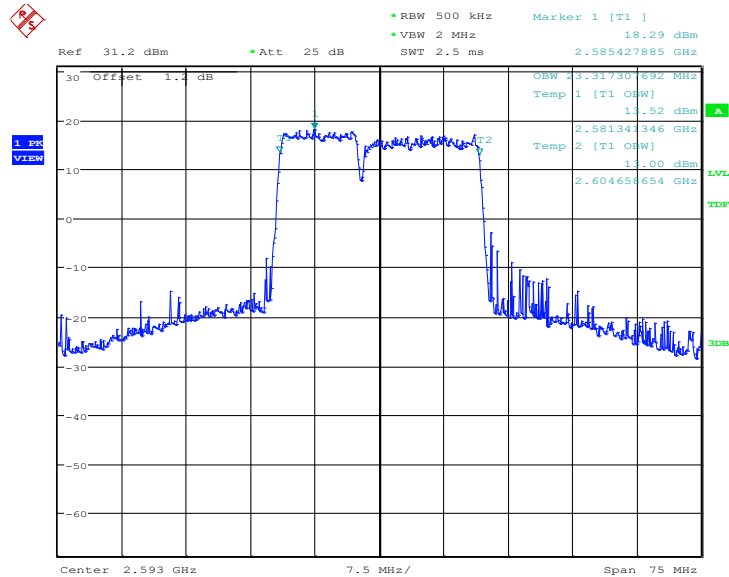


Date: 6.DEC.2022 09:00:49

LTE CA Band 41C, 10MHz+15MHz (99%)

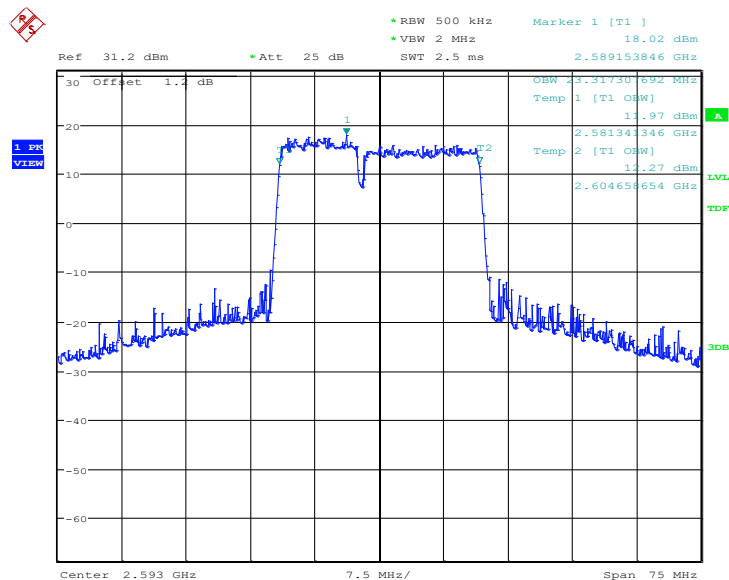
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.317	23.317

LTE CA Band 41C, 10MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:01:54

LTE CA Band 41C, 10MHz+15MHz Bandwidth, 16QAM (99% BW)

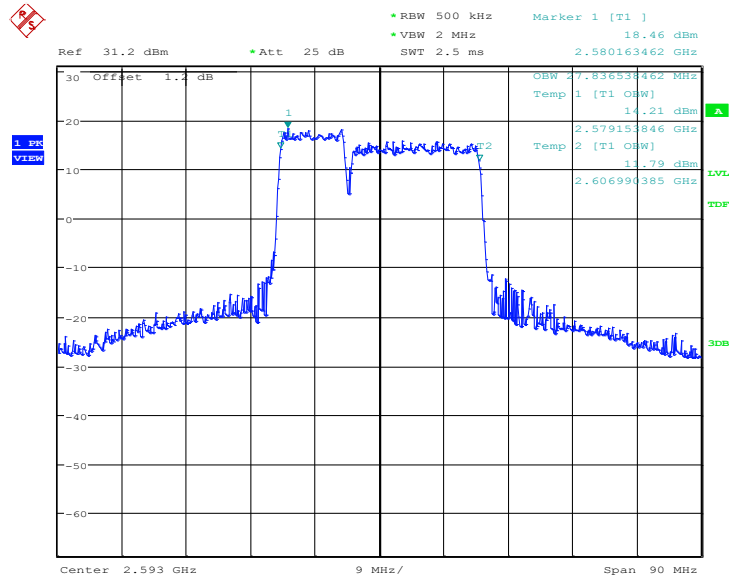


Date: 6.DEC.2022 09:02:17

LTE CA Band 41C, 10MHz+20MHz (99%)

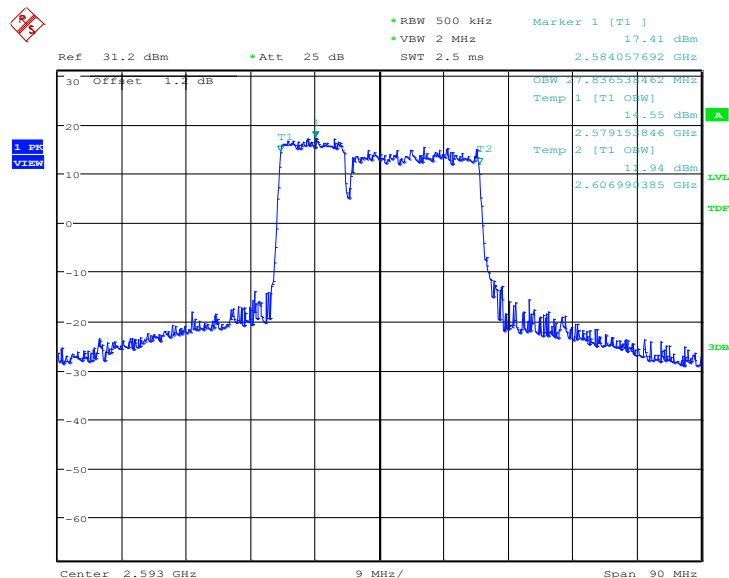
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	27.837	27.837

LTE CA Band 41C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:03:21

LTE CA Band 41C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)

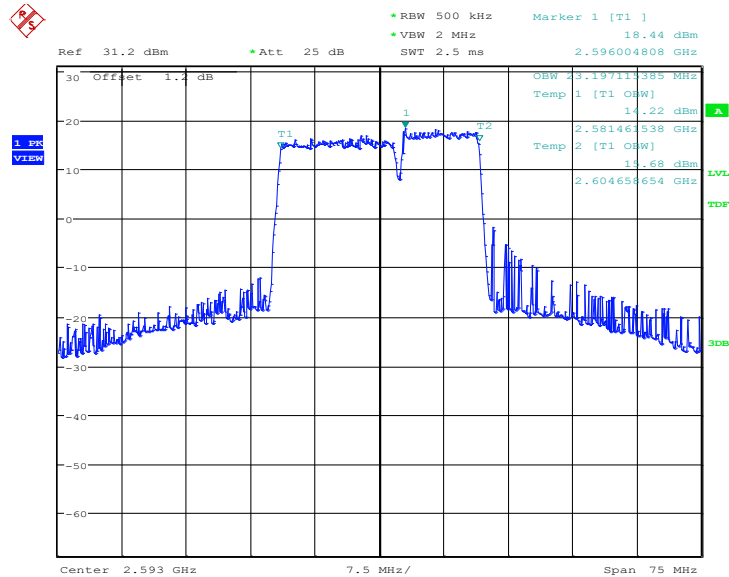


Date: 6.DEC.2022 09:03:44

LTE CA Band 41C, 15MHz+10MHz (99%)

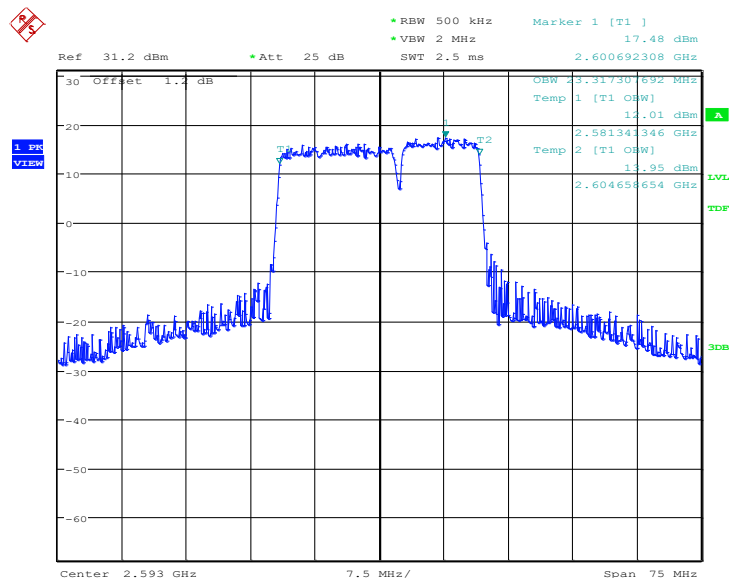
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.197	23.317

LTE CA Band 41C, 15MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:04:50

LTE CA Band 41C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)

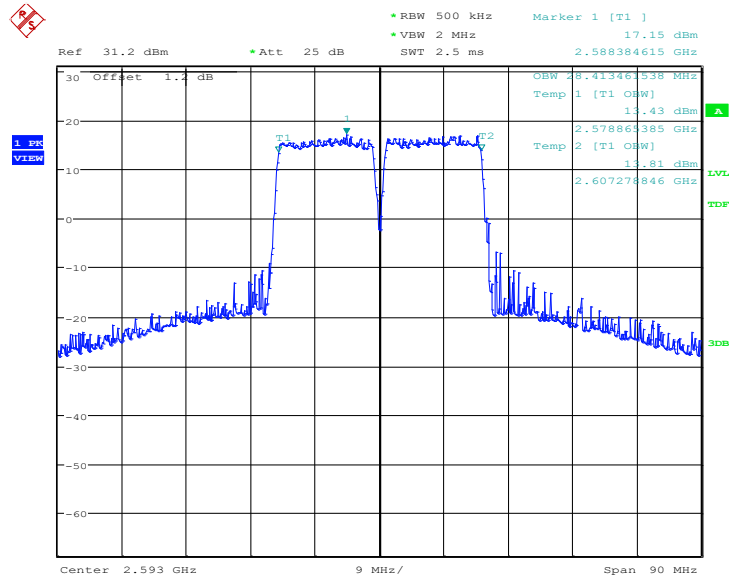


Date: 6.DEC.2022 09:05:13

LTE CA Band 41C, 15MHz+15MHz (99%)

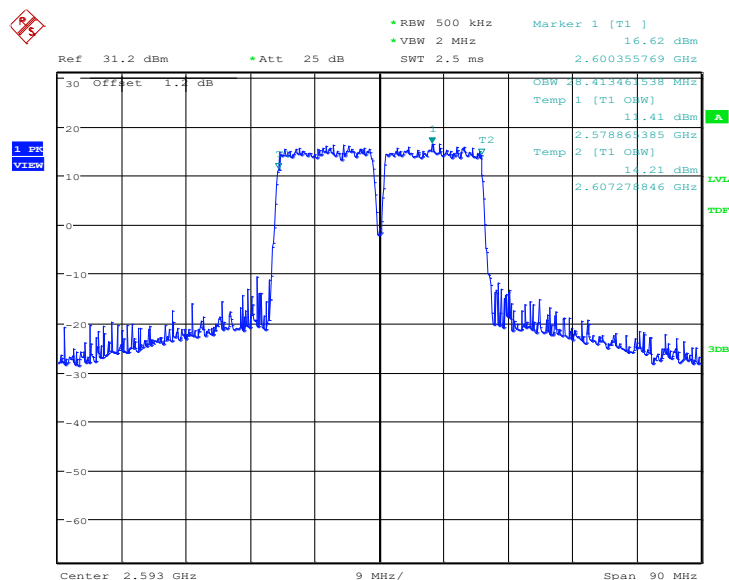
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	28.413	28.413

LTE CA Band 41C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:06:17

LTE CA Band 41C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)

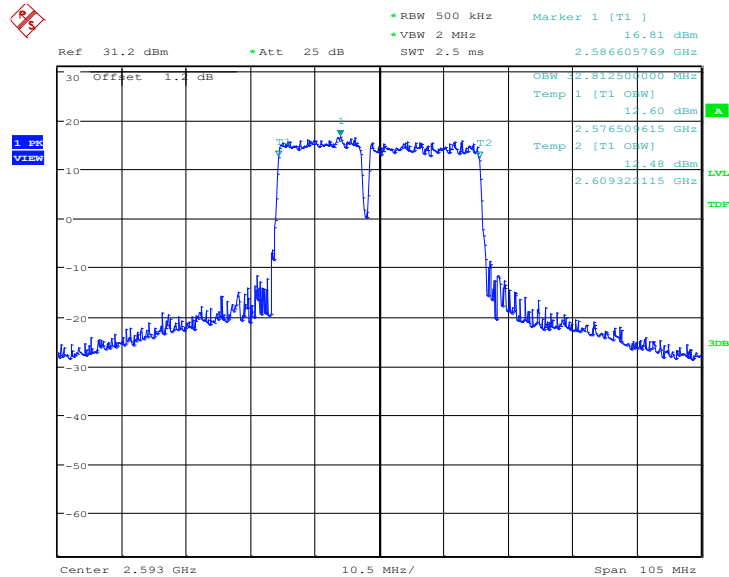


Date: 6.DEC.2022 09:06:40

LTE CA Band 41C, 15MHz+20MHz (99%)

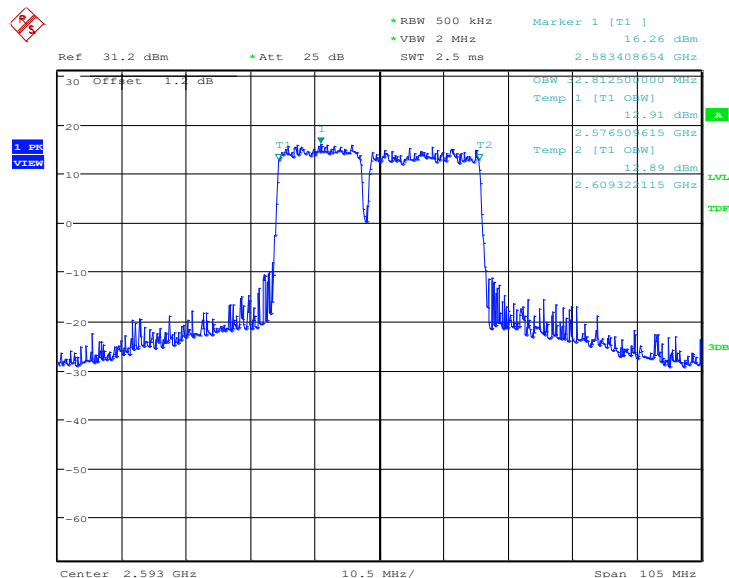
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	32.812	32.812

LTE CA Band 41C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:07:44

LTE CA Band 41C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)

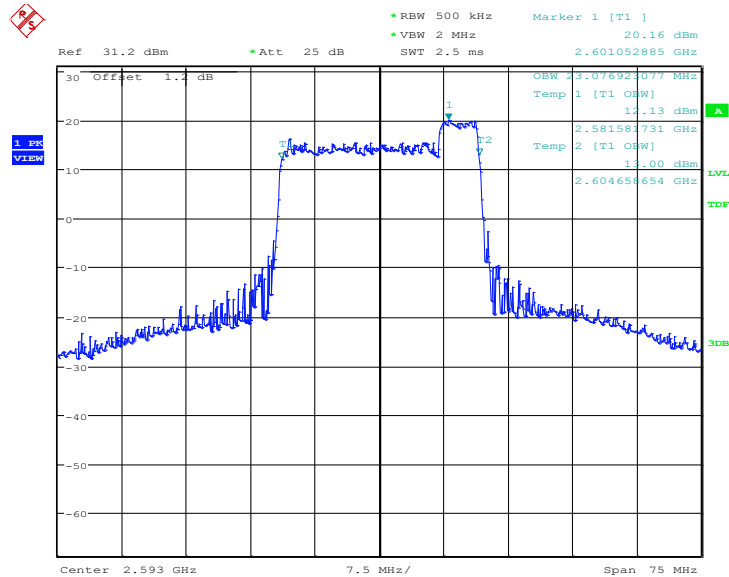


Date: 6.DEC.2022 09:08:07

LTE CA Band 41C, 20MHz+5MHz (99%)

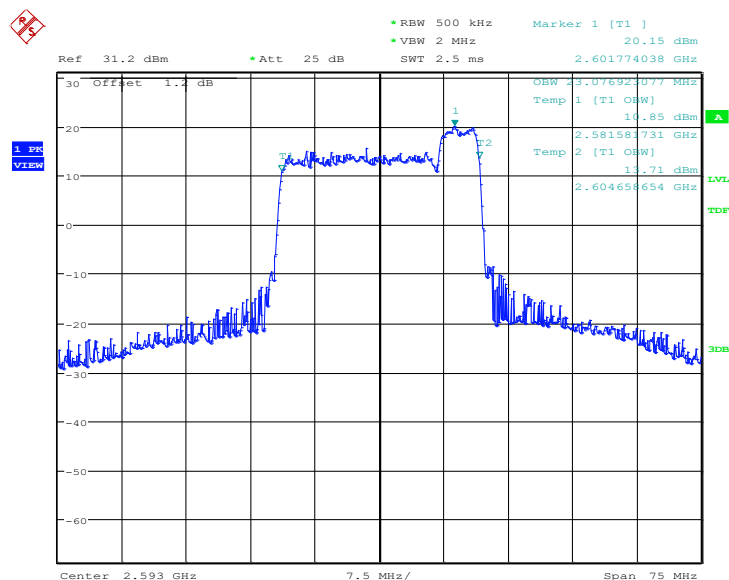
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.077	23.077

LTE CA Band 41C, 20MHz+5MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:09:12

LTE CA Band 41C, 20MHz+5MHz Bandwidth, 16QAM (99% BW)

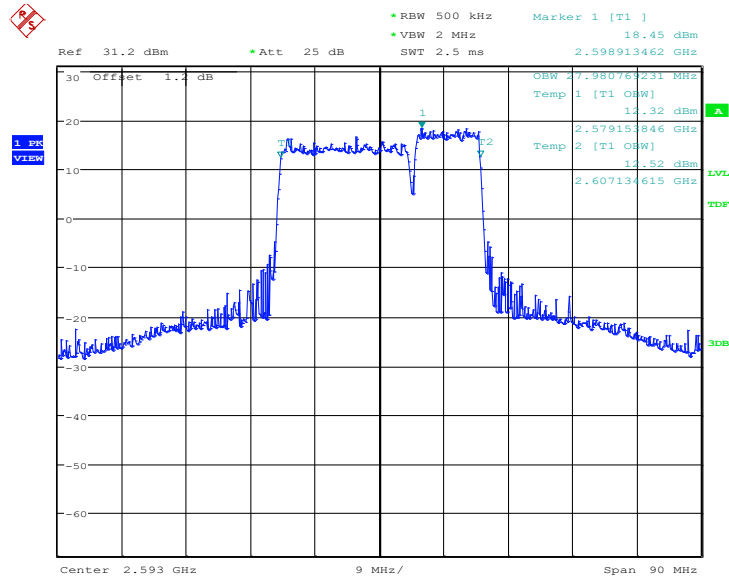


Date: 6.DEC.2022 09:09:35

LTE CA Band 41C, 20MHz+10MHz (99%)

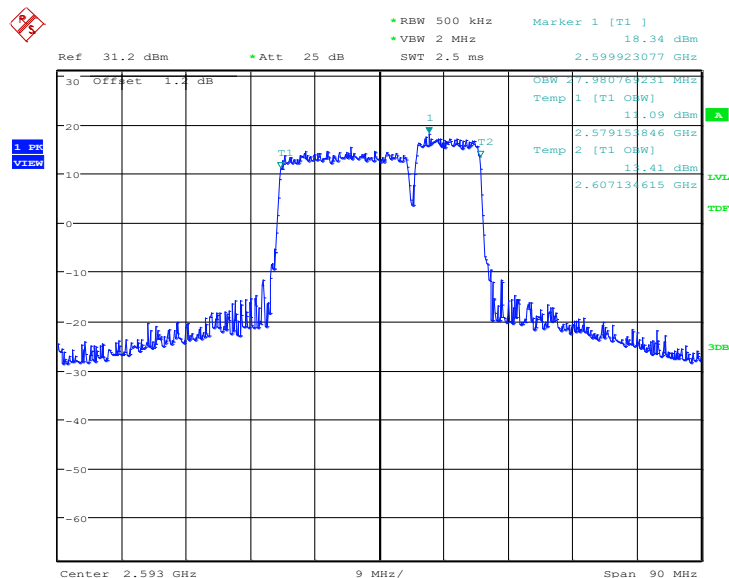
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	27.981	27.981

LTE CA Band 41C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:10:39

LTE CA Band 41C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)

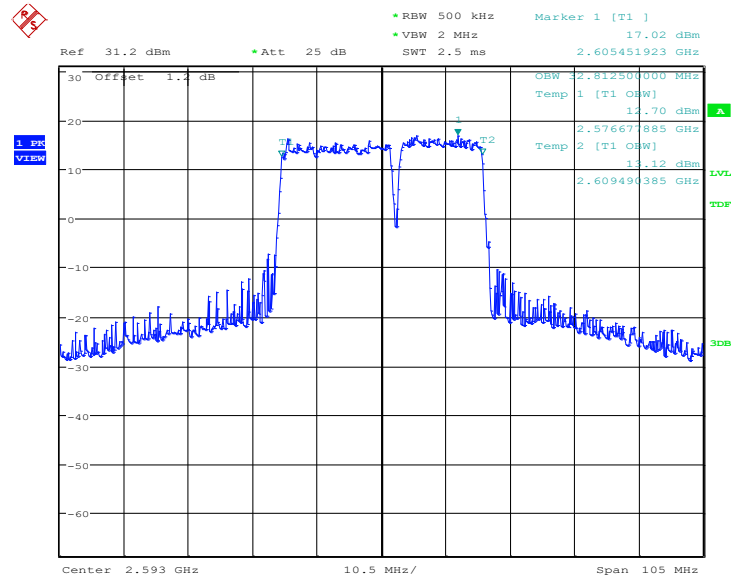


Date: 6.DEC.2022 09:11:02

LTE CA Band 41C, 20MHz+15MHz (99%)

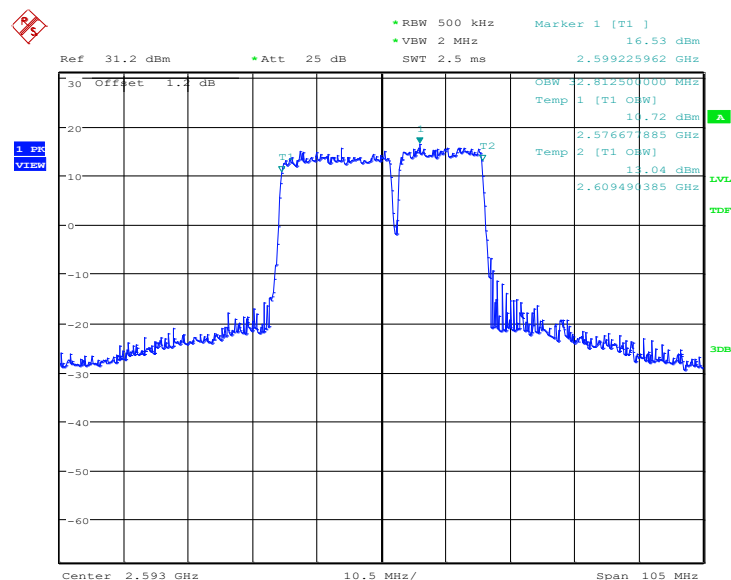
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	32.812	32.812

LTE CA Band 41C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:12:06

LTE CA Band 41C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)

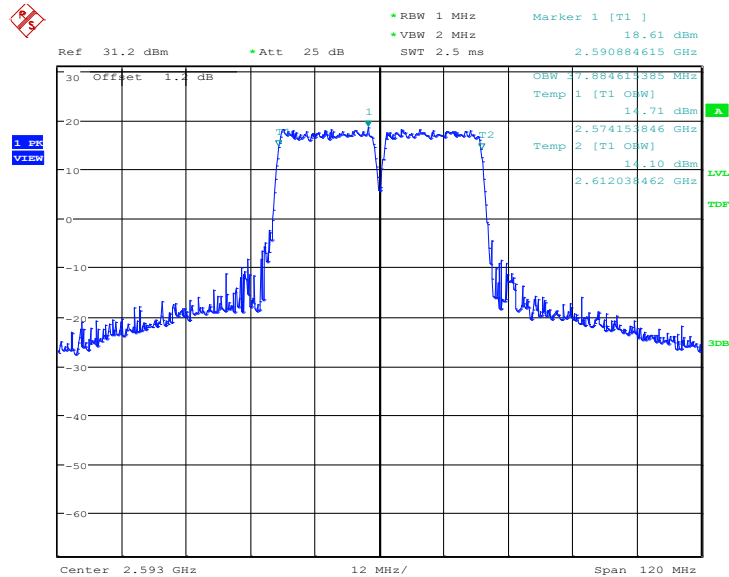


Date: 6.DEC.2022 09:12:29

LTE CA Band 41C, 20MHz+20MHz (99%)

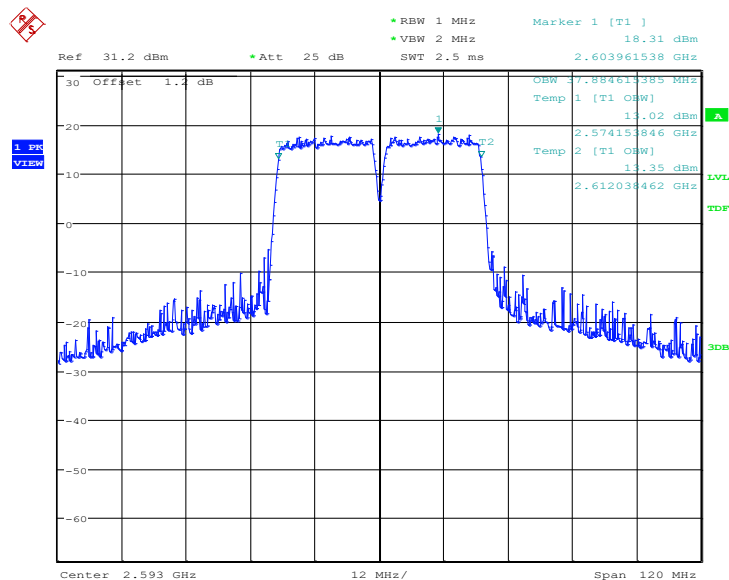
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	37.885	37.885

LTE CA Band 41C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 6.DEC.2022 09:13:33

LTE CA Band 41C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)

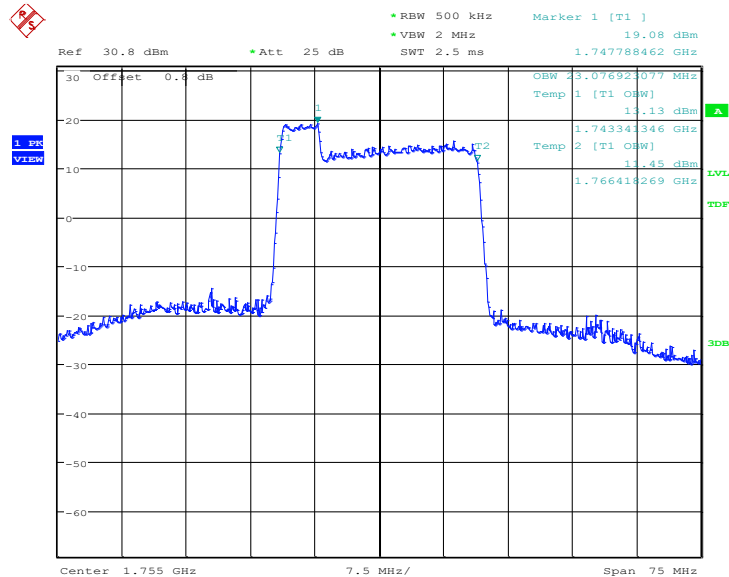


Date: 6.DEC.2022 09:13:56

LTE CA Band 66C, 5MHz+20MHz (99%)

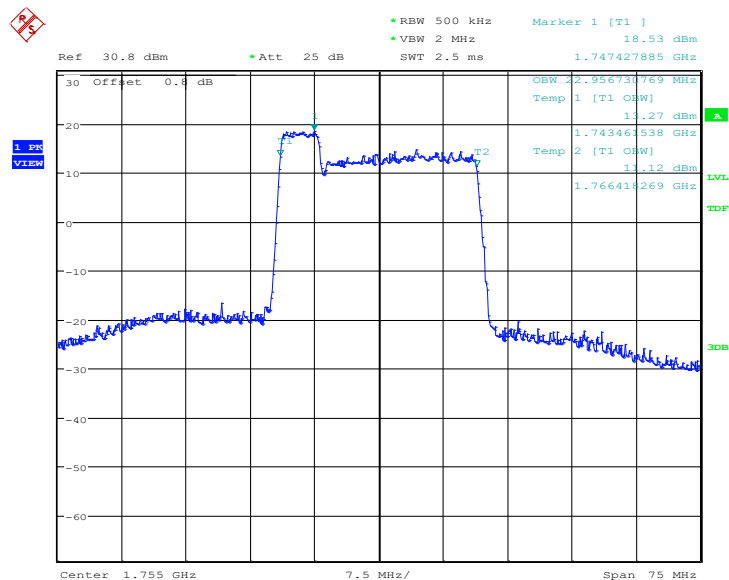
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.077	22.957

LTE CA Band 66C, 5MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:28:28

LTE CA Band 66C, 5MHz+20MHz Bandwidth, 16QAM (99% BW)

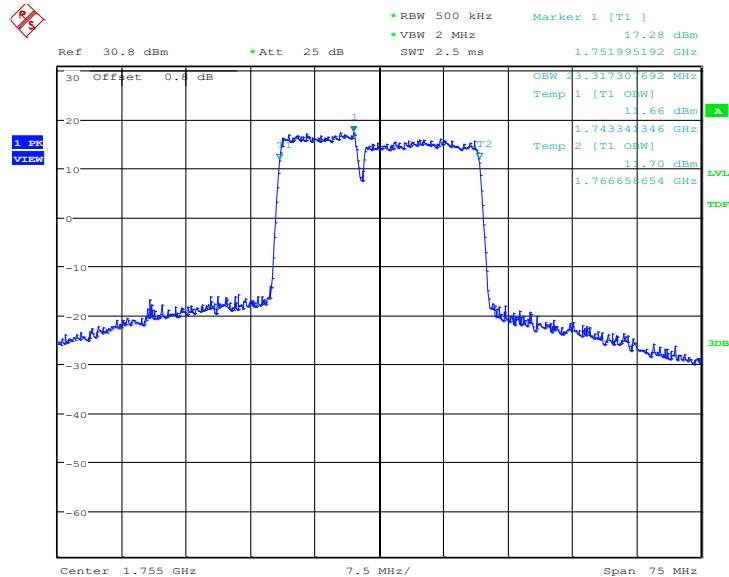


Date: 17.FEB.2023 13:28:55

LTE CA Band 66C, 10MHz+15MHz (99%)

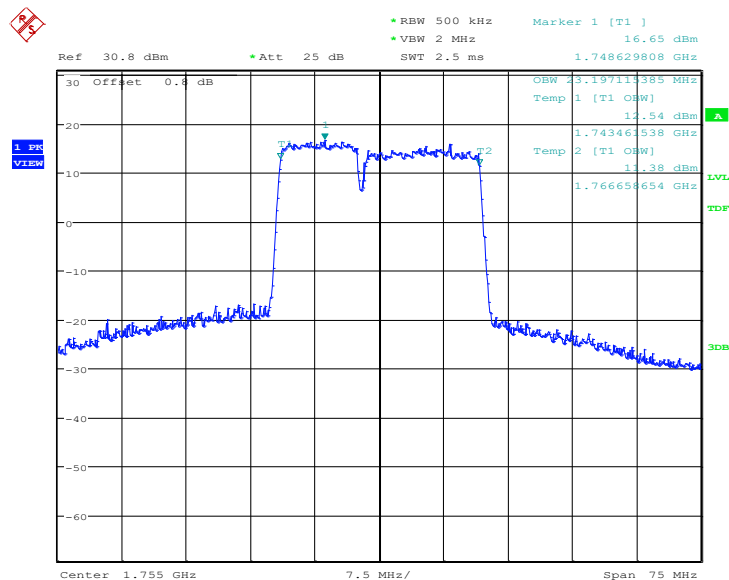
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.317	23.197

LTE CA Band 66C, 10MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:30:00

LTE CA Band 66C, 10MHz+15MHz Bandwidth, 16QAM (99% BW)

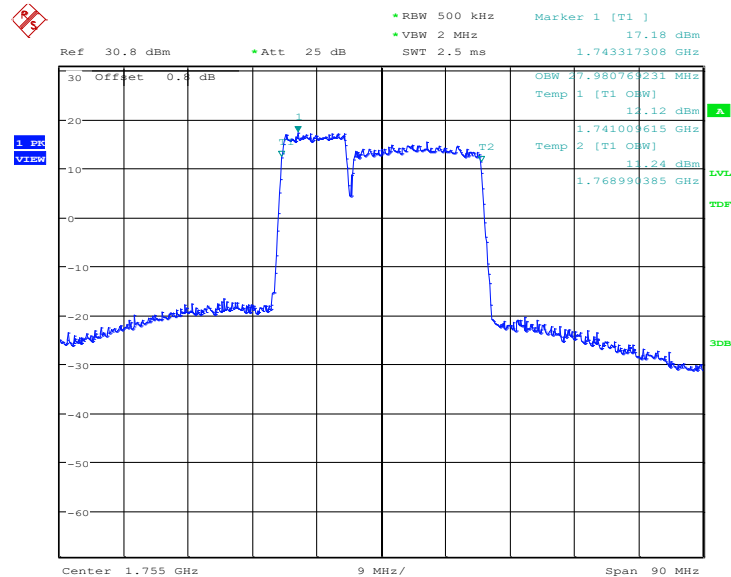


Date: 17.FEB.2023 13:30:23

LTE CA Band 66C, 10MHz+20MHz (99%)

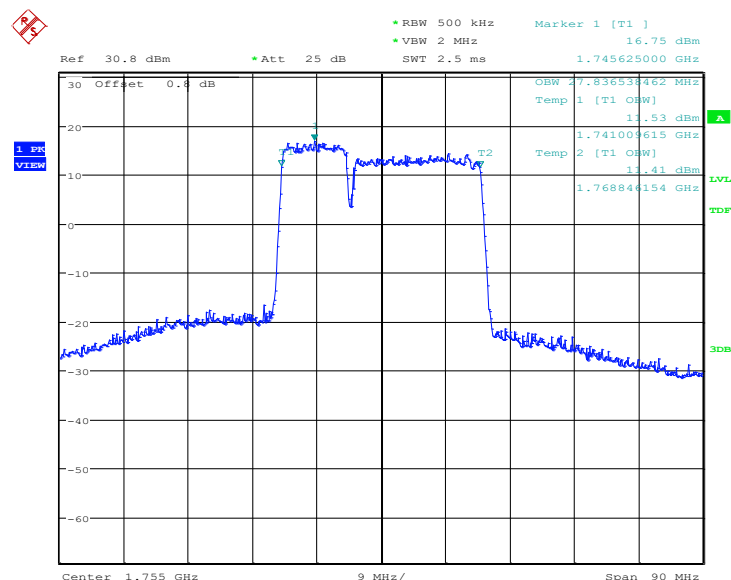
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	27.981	27.837

LTE CA Band 66C, 10MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:31:27

LTE CA Band 66C, 10MHz+20MHz Bandwidth, 16QAM (99% BW)

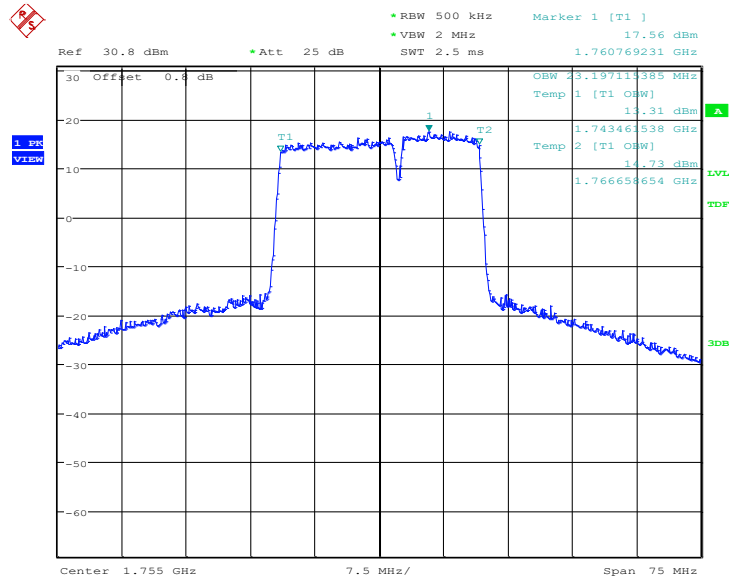


Date: 17.FEB.2023 13:31:50

LTE CA Band 66C, 15MHz+10MHz (99%)

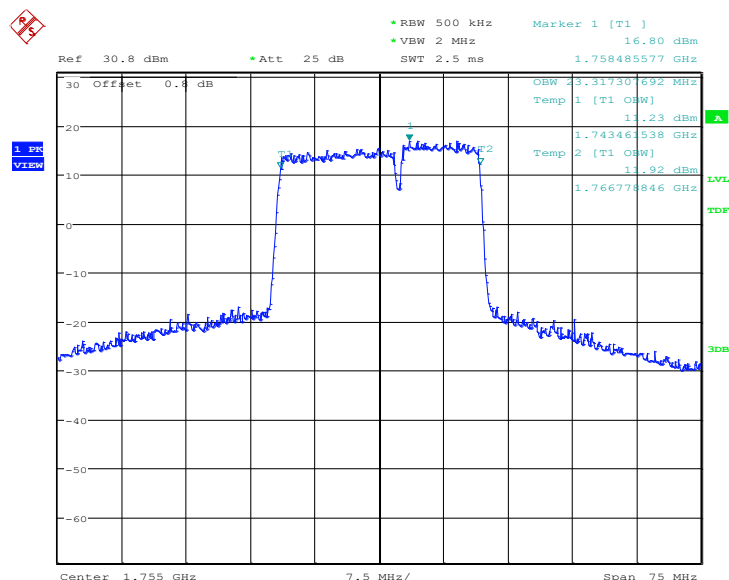
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.197	23.317

LTE CA Band 66C, 15MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:32:56

LTE CA Band 66C, 15MHz+10MHz Bandwidth, 16QAM (99% BW)

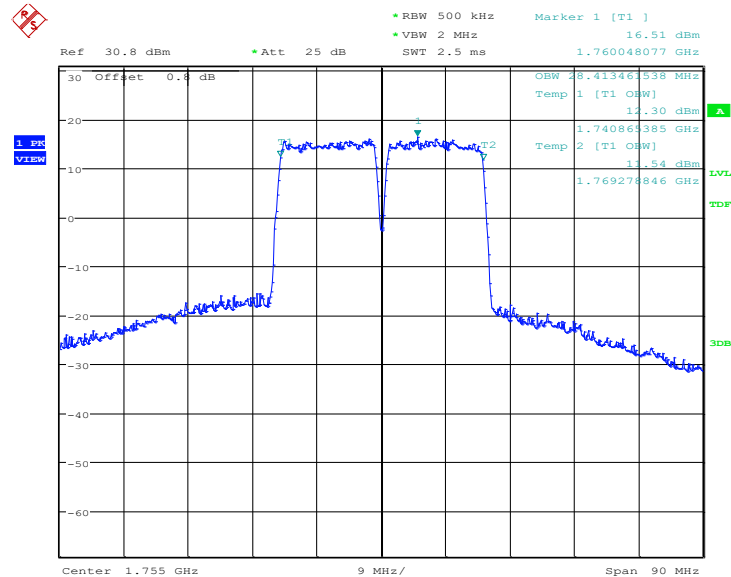


Date: 17.FEB.2023 13:33:19

LTE CA Band 66C, 15MHz+15MHz (99%)

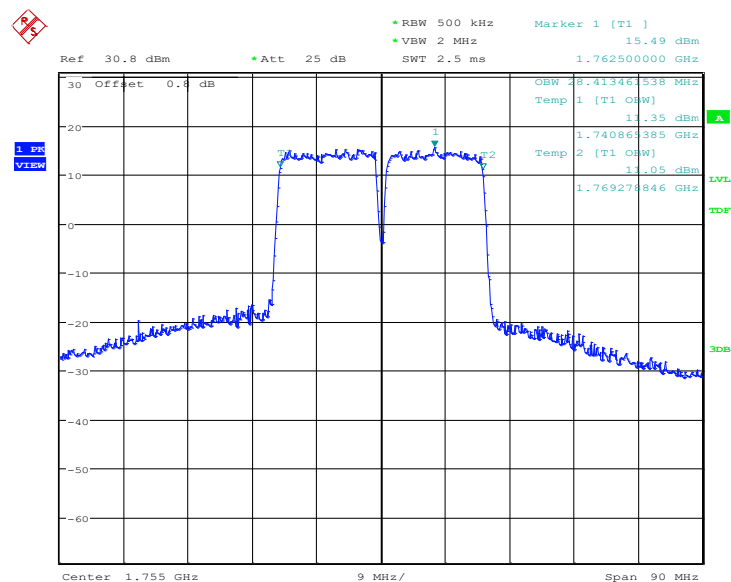
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	28.413	28.413

LTE CA Band 66C, 15MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:34:23

LTE CA Band 66C, 15MHz+15MHz Bandwidth, 16QAM (99% BW)

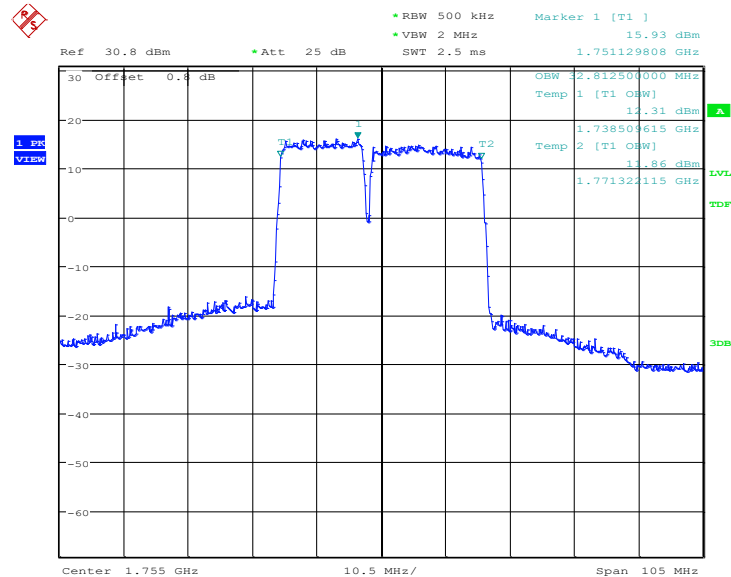


Date: 17.FEB.2023 13:34:46

LTE CA Band 66C, 15MHz+20MHz (99%)

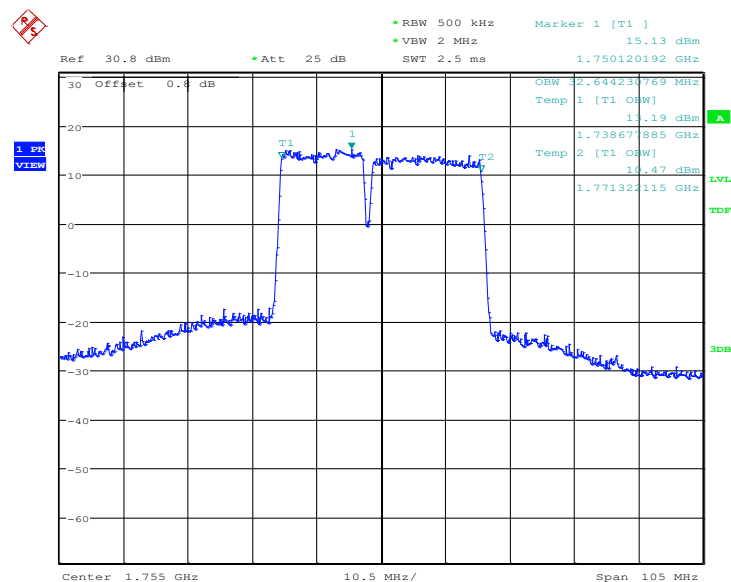
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	32.812	32.644

LTE CA Band 66C, 15MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:35:50

LTE CA Band 66C, 15MHz+20MHz Bandwidth, 16QAM (99% BW)

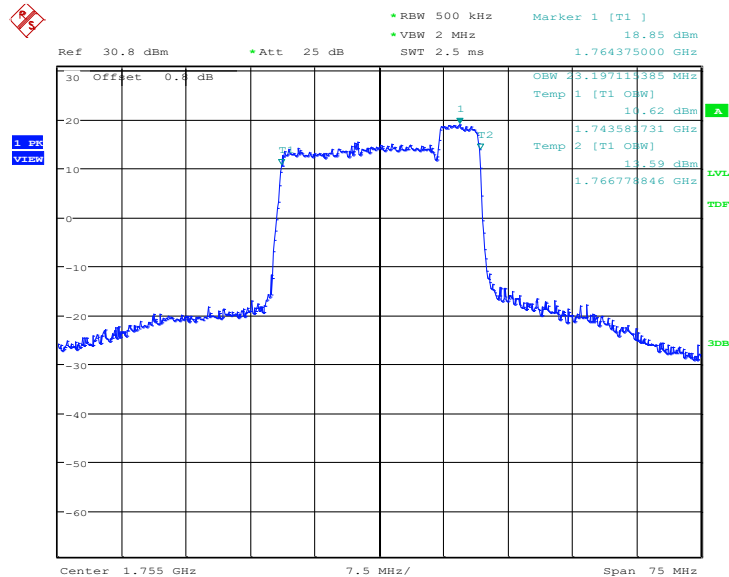


Date: 17.FEB.2023 13:36:16

LTE CA Band 66C, 20MHz+5MHz (99%)

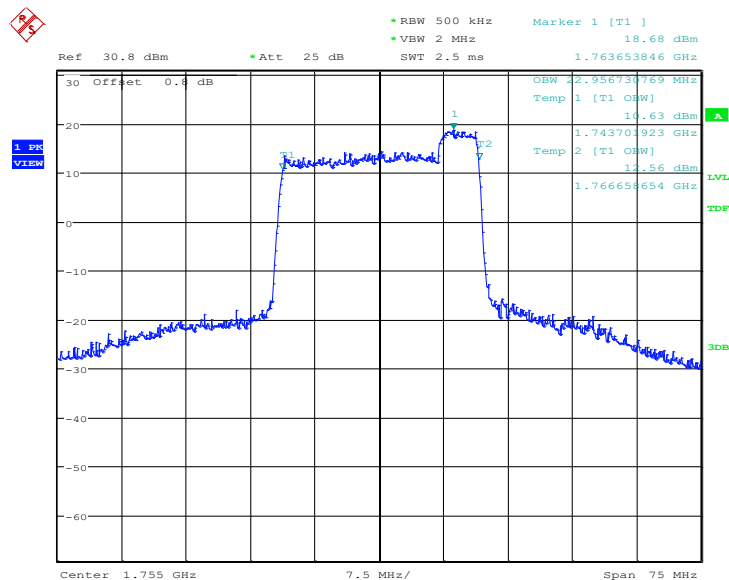
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.197	22.957

LTE CA Band 66C, 20MHz+5MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:37:22

LTE CA Band 66C, 20MHz+5MHz Bandwidth, 16QAM (99% BW)

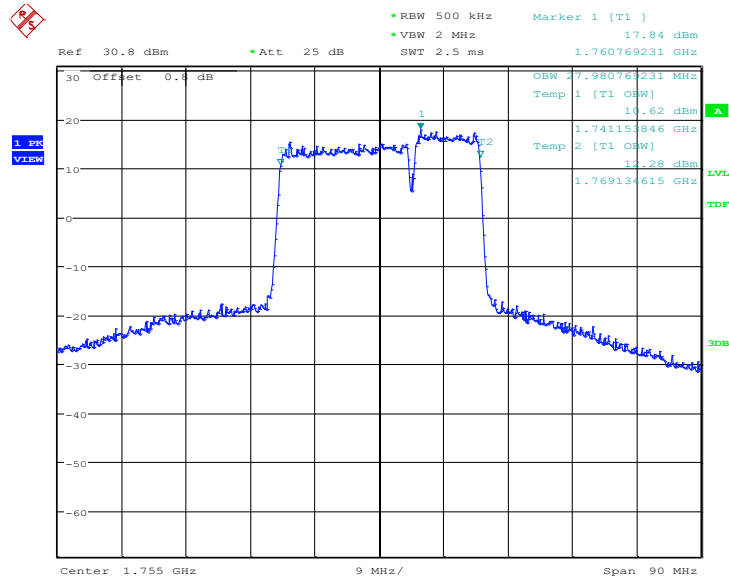


Date: 17.FEB.2023 13:37:45

LTE CA Band 66C, 20MHz+10MHz (99%)

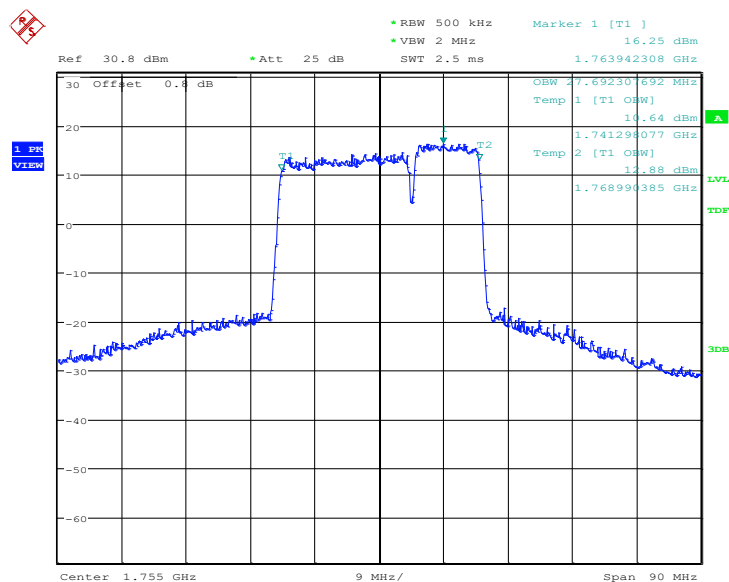
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	27.981	27.692

LTE CA Band 66C, 20MHz+10MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:38:49

LTE CA Band 66C, 20MHz+10MHz Bandwidth, 16QAM (99% BW)

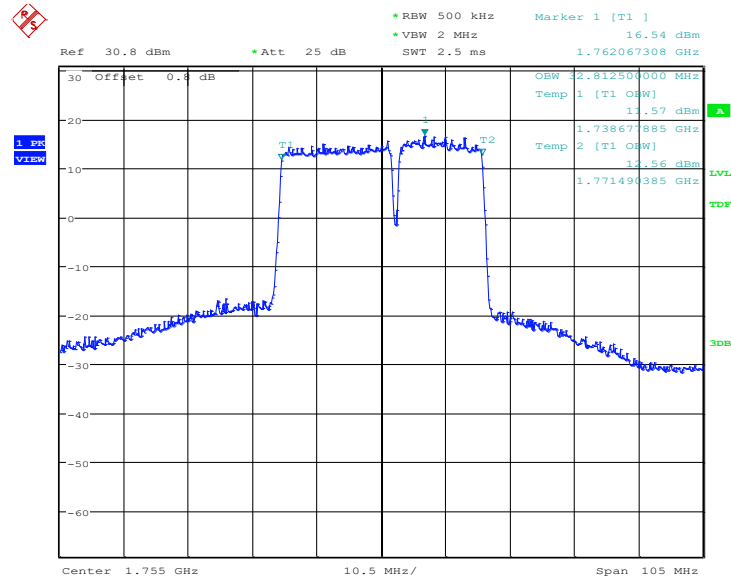


Date: 17.FEB.2023 13:39:12

LTE CA Band 66C, 20MHz+15MHz (99%)

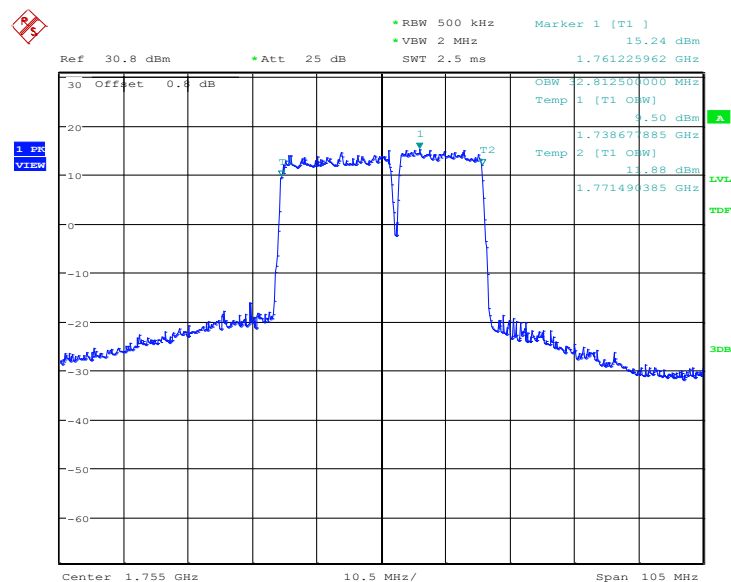
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	32.812	32.812

LTE CA Band 66C, 20MHz+15MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:40:17

LTE CA Band 66C, 20MHz+15MHz Bandwidth, 16QAM (99% BW)

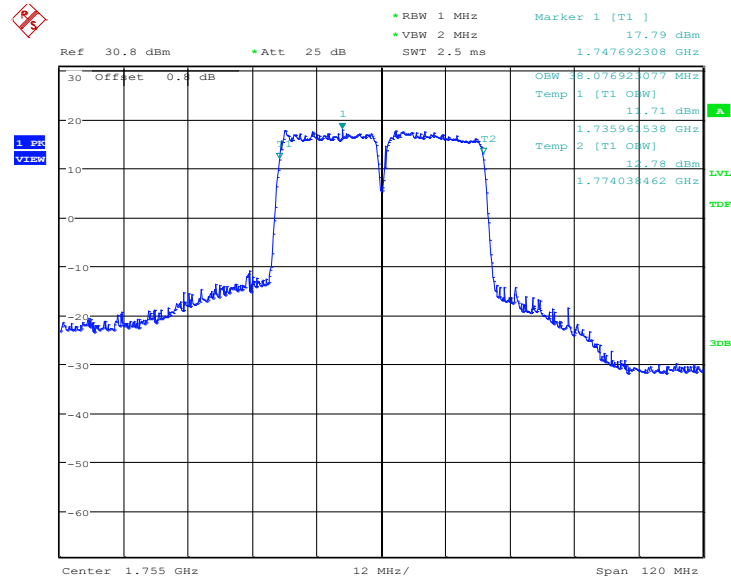


Date: 17.FEB.2023 13:40:40

LTE CA Band 66C, 20MHz+20MHz (99%)

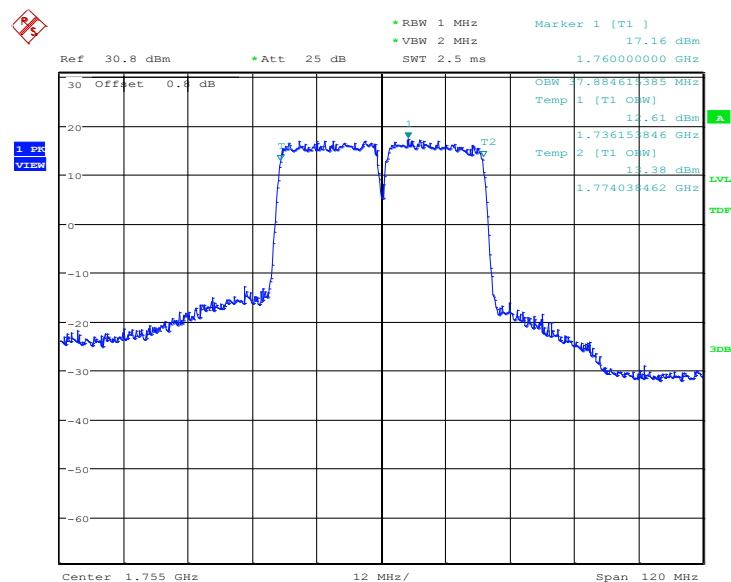
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	38.077	37.885

LTE CA Band 66C, 20MHz+20MHz Bandwidth, QPSK (99% BW)



Date: 17.FEB.2023 13:41:45

LTE CA Band 66C, 20MHz+20MHz Bandwidth, 16QAM (99% BW)



Date: 17.FEB.2023 13:42:08

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.

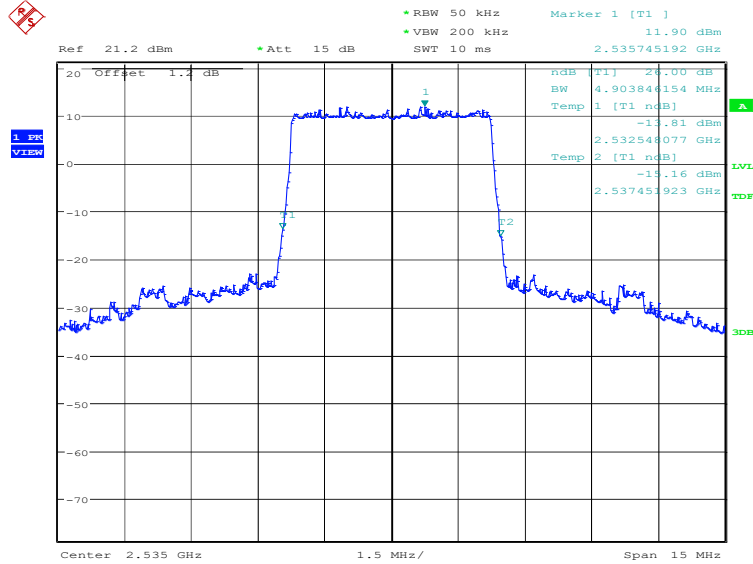
The measurement method is from ANSI C63.26:

- 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 $\geq 3 \times \text{RBW}$.
- 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)

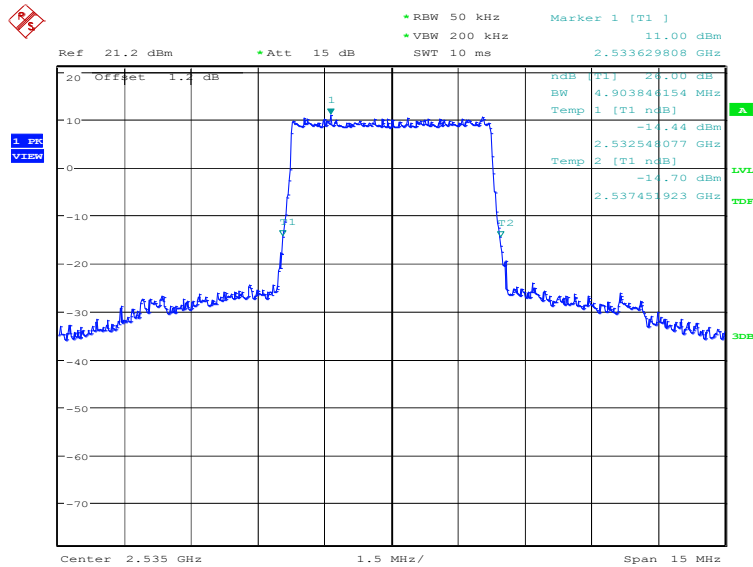
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	4903.85	4903.85

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



Date: 6.DEC.2022 15:15:56

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

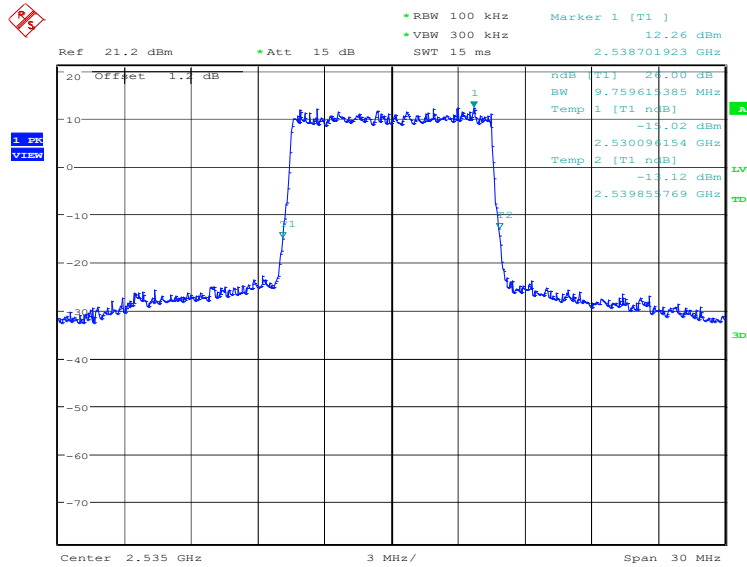


Date: 6.DEC.2022 15:16:36

LTE band 7, 10MHz (-26dBc)

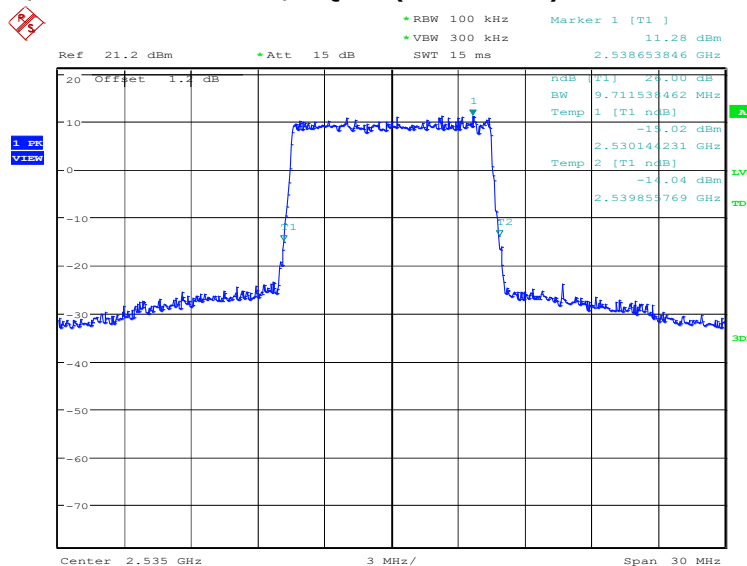
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	9759.62	9711.54

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



Date: 6.DEC.2022 15:17:22

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

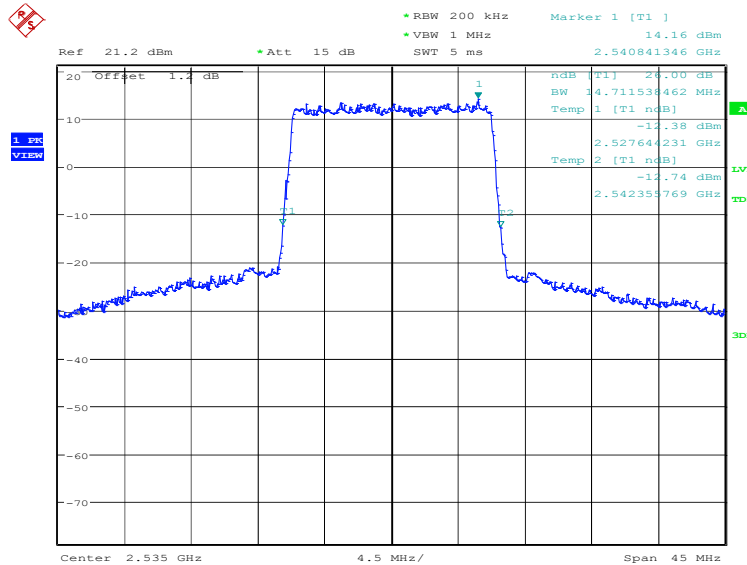


Date: 6.DEC.2022 15:18:02

LTE band 7, 15MHz (-26dBc)

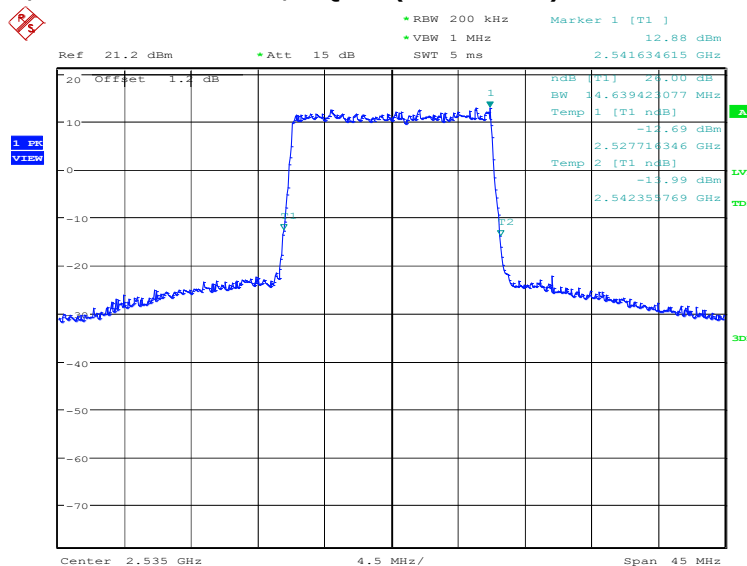
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	14711.54	14639.42

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



Date: 6.DEC.2022 15:18:48

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

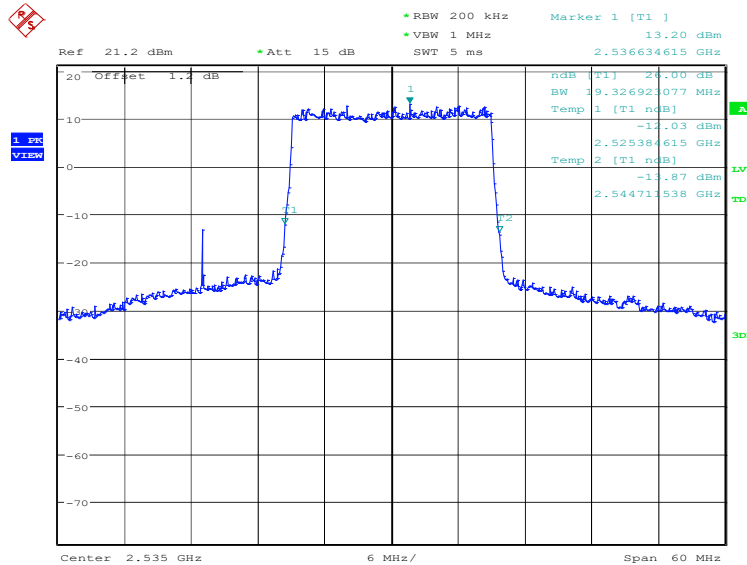


Date: 6.DEC.2022 15:19:28

LTE band 7, 20MHz (-26dBc)

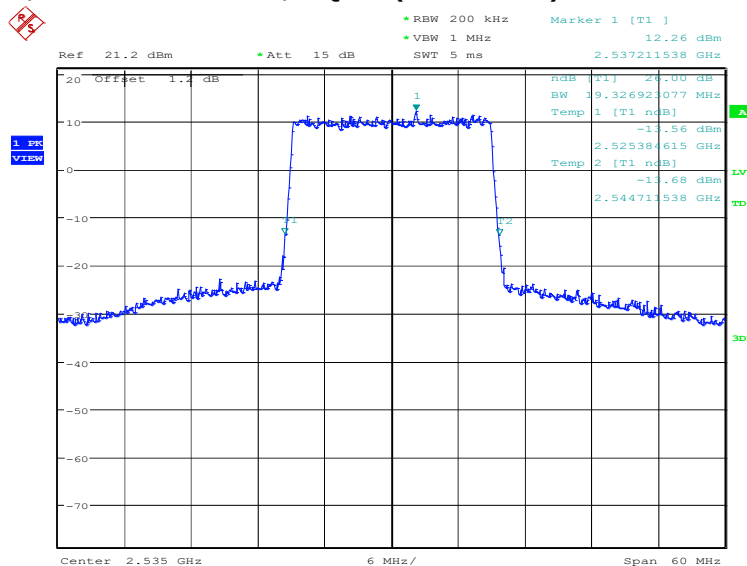
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	19326.92	19326.92

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



Date: 6.DEC.2022 15:20:14

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

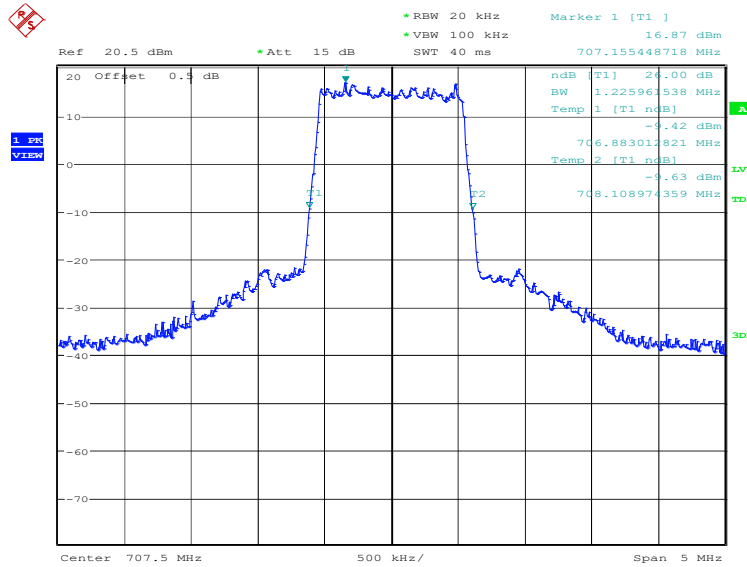


Date: 6.DEC.2022 15:20:55

LTE band 12, 1.4MHz (-26dBc)

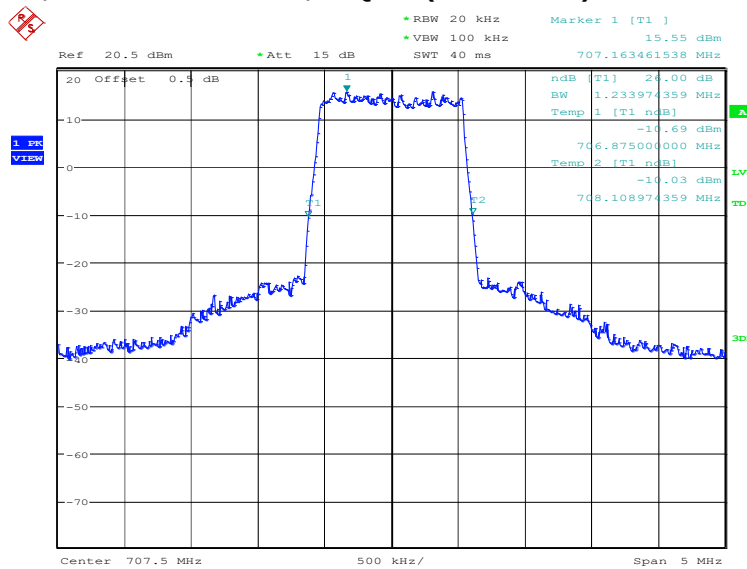
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	1225.96	1233.97

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



Date: 6.DEC.2022 17:01:53

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

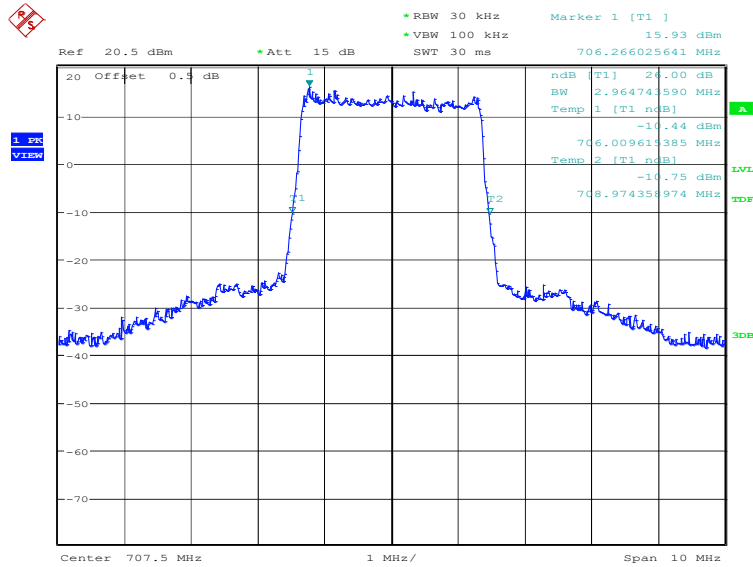


Date: 6.DEC.2022 17:02:34

LTE band 12, 3MHz (-26dBc)

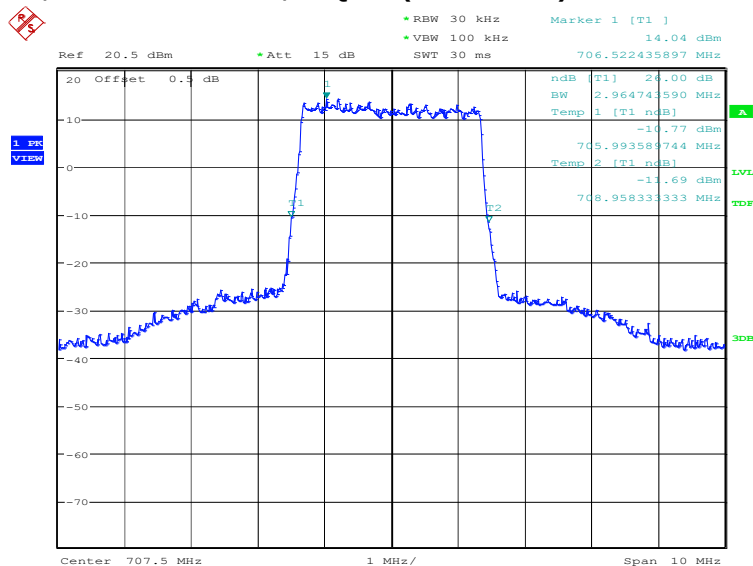
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2964.74	2964.74

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



Date: 6.DEC.2022 17:03:19

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

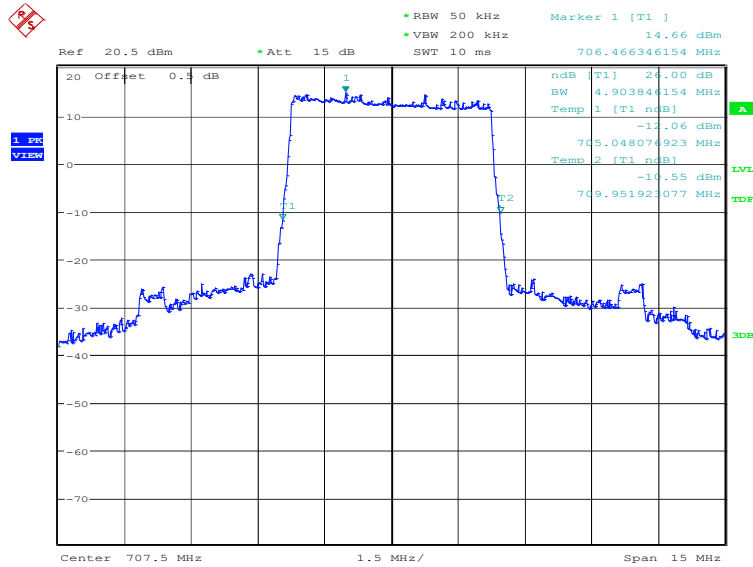


Date: 6.DEC.2022 17:04:00

LTE band 12, 5MHz (-26dBc)

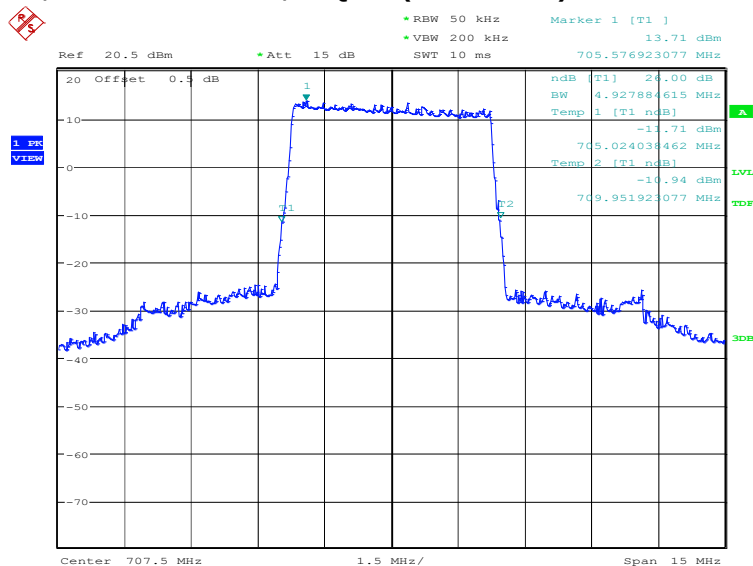
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	4903.85	4927.88

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



Date: 6.DEC.2022 17:04:45

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

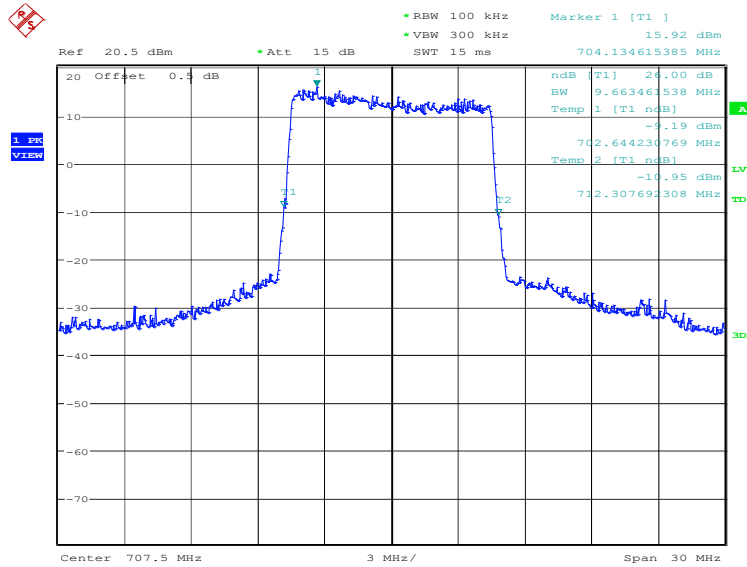


Date: 6.DEC.2022 17:05:26

LTE band 12, 10MHz (-26dBc)

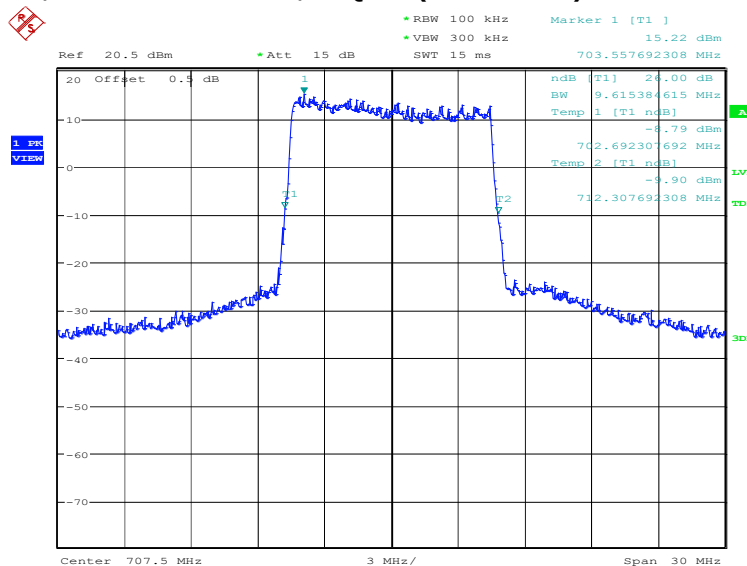
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	9663.46	9615.38

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



Date: 6.DEC.2022 17:06:11

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

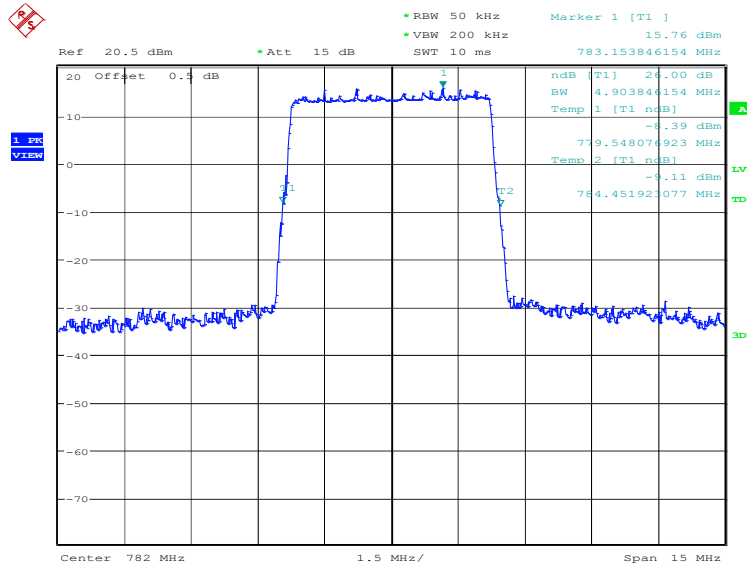


Date: 6.DEC.2022 17:06:51

LTE band 13, 5MHz (-26dBc)

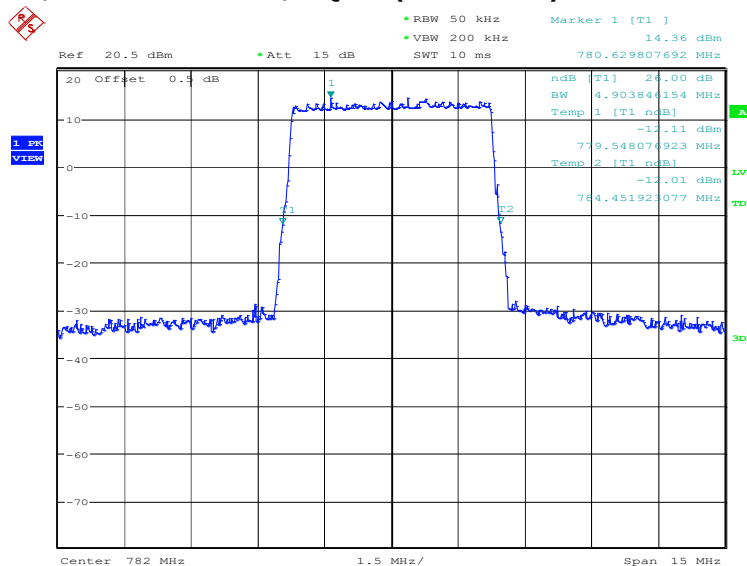
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	4903.85	4903.85

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



Date: 6.DEC.2022 17:07:41

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

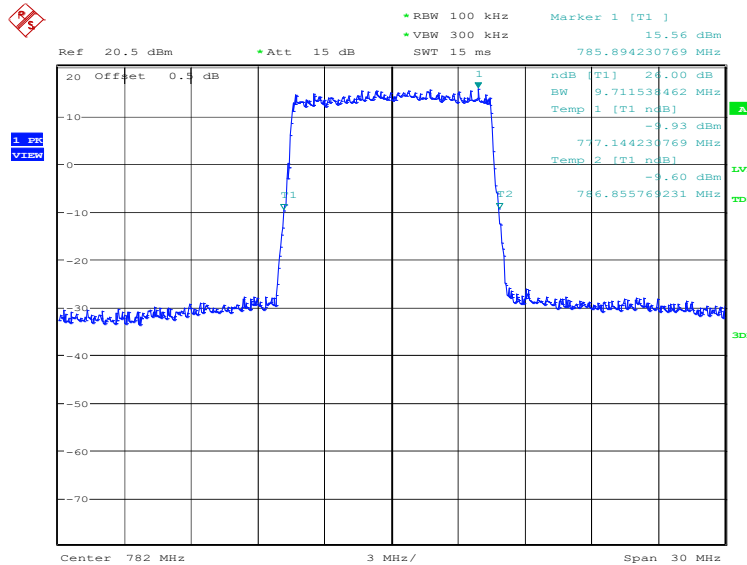


Date: 6.DEC.2022 17:08:22

LTE band 13, 10MHz (-26dBc)

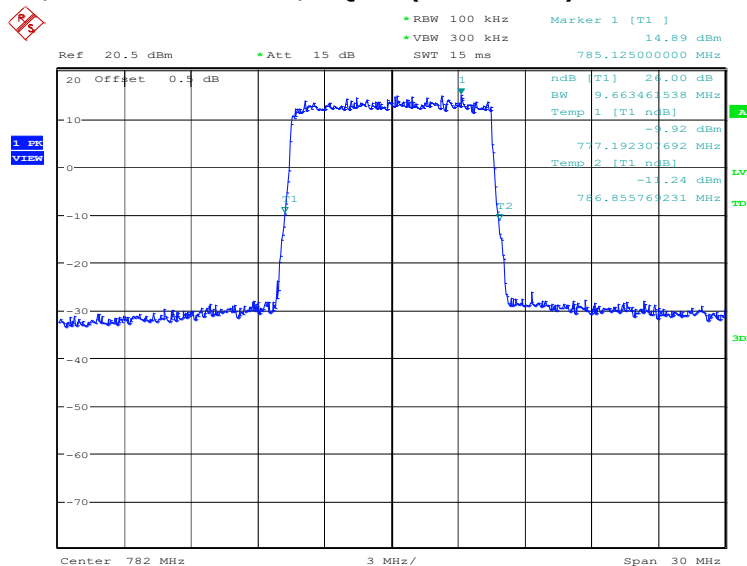
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	9711.54	9663.46

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



Date: 6.DEC.2022 17:09:07

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



Date: 6.DEC.2022 17:09:47