

**LTE Band 13, 5MHz, QPSK, Channel 23205**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1559.88	-67.52	3.47	5.39	0.00	-67.75	-40.00	27.75	H
2335.53	-49.28	4.44	5.61	2.15	-50.26	-13.00	37.26	H
3117.52	-58.36	5.38	7.28	2.15	-58.61	-13.00	45.61	V
3897.52	-59.02	6.11	8.76	2.15	-58.52	-13.00	45.52	H
4673.02	-58.45	6.48	9.57	2.15	-57.51	-13.00	44.51	H
5452.01	-57.92	6.88	10.53	2.15	-56.42	-13.00	43.42	H

**LTE Band 13, 5MHz, QPSK, Channel 23230**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1567.26	-66.86	3.48	5.38	0.00	-67.11	-40.00	27.11	H
2344.62	-47.98	4.45	5.63	2.15	-48.95	-13.00	35.95	H
3124.52	-59.31	5.40	7.30	2.15	-59.56	-13.00	46.56	V
3911.52	-58.36	6.12	8.78	2.15	-57.85	-13.00	44.85	V
4696.52	-58.93	6.50	9.60	2.15	-57.98	-13.00	44.98	V
5478.01	-58.23	6.98	10.57	2.15	-56.79	-13.00	43.79	H

**LTE Band 13, 5MHz, QPSK, Channel 23255**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1582.91	-66.52	3.50	5.35	0.00	-66.82	-40.00	26.82	H
2343.12	-46.54	4.45	5.63	2.15	-47.51	-13.00	34.51	H
3126.02	-59.08	5.40	7.30	2.15	-59.33	-13.00	46.33	V
3919.02	-58.33	6.12	8.79	2.15	-57.81	-13.00	44.81	V
4693.02	-58.46	6.50	9.59	2.15	-57.52	-13.00	44.52	V
5490.01	-56.94	7.02	10.59	2.15	-55.52	-13.00	42.52	H

**LTE Band 25, 1.4MHz, QPSK, Channel 26047**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7352.01	-52.86	8.11	12.02	-48.95	-13.00	35.95	V
9254.01	-51.73	9.05	13.25	-47.53	-13.00	34.53	H
11212.01	-49.33	9.47	13.16	-45.64	-13.00	32.64	V
13423.01	-43.27	10.58	14.09	-39.76	-13.00	26.76	H
15136.00	-42.12	11.37	13.92	-39.57	-13.00	26.57	V
17343.00	-37.51	12.43	14.55	-35.39	-13.00	22.39	V

**LTE Band 25, 1.4MHz, QPSK, Channel 26365**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7484.01	-53.79	8.35	12.18	-49.96	-13.00	36.96	H
9413.01	-53.15	9.10	13.35	-48.90	-13.00	35.90	H
11328.01	-49.27	10.01	13.13	-46.15	-13.00	33.15	H
13222.01	-44.41	10.52	13.81	-41.12	-13.00	28.12	H
15011.00	-42.87	11.23	13.99	-40.11	-13.00	27.11	H
16909.00	-40.19	12.03	13.76	-38.46	-13.00	25.46	H

**LTE Band 25, 1.4MHz, QPSK, Channel 26683**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7637.01	-54.50	8.14	12.31	-50.33	-13.00	37.33	V
9574.01	-53.66	9.27	13.33	-49.60	-13.00	36.60	V
11523.01	-49.14	9.81	13.10	-45.85	-13.00	32.85	H
13418.01	-43.44	10.58	14.09	-39.93	-13.00	26.93	V
15315.00	-43.03	11.30	13.81	-40.52	-13.00	27.52	H
17222.00	-38.05	12.35	14.29	-36.11	-13.00	23.11	V

**LTE Band 26(814-824MHz), 1.4MHz, QPSK, Channel 26797**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1654.01	-53.48	3.57	5.22	2.15	-53.98	-13.00	40.98	H
2489.00	-46.62	4.61	6.07	2.15	-47.31	-13.00	34.31	H
3296.02	-61.27	5.29	7.71	2.15	-61.00	-13.00	48.00	H
4125.02	-56.11	6.04	9.03	2.15	-55.27	-13.00	42.27	V
4950.01	-57.56	6.69	9.85	2.15	-56.55	-13.00	43.55	H
5782.01	-56.51	7.22	10.54	2.15	-55.34	-13.00	42.34	H

**LTE Band 26(814-824MHz), 1.4MHz, QPSK, Channel 26915**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1654.01	-54.73	3.57	5.22	2.15	-55.23	-13.00	42.23	H
2526.00	-46.25	4.65	6.15	2.15	-46.90	-13.00	33.90	H
3343.02	-60.83	5.31	7.82	2.15	-60.47	-13.00	47.47	V
4181.02	-56.68	6.16	9.08	2.15	-55.91	-13.00	42.91	H
5031.01	-56.77	6.58	9.94	2.15	-55.56	-13.00	42.56	H
5847.01	-56.50	7.23	10.53	2.15	-55.35	-13.00	42.35	V

**LTE Band 26(814-824MHz), 1.4MHz, QPSK, Channel 27033**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1695.01	-54.68	3.60	5.15	2.15	-55.28	-13.00	42.28	V
2559.00	-45.04	4.67	6.21	2.15	-45.65	-13.00	32.65	H
3381.02	-61.18	5.35	7.91	2.15	-60.77	-13.00	47.77	H
4226.02	-57.50	6.26	9.13	2.15	-56.78	-13.00	43.78	V
5082.01	-56.62	6.72	10.01	2.15	-55.48	-13.00	42.48	V
5926.01	-56.48	7.47	10.51	2.15	-55.59	-13.00	42.59	V

**LTE Band 26(824-849MHz), 1.4MHz, QPSK, Channel 26797**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1628.01	-52.69	3.55	5.27	2.15	-53.12	-13.00	40.12	H
2458.00	-47.73	4.58	5.97	2.15	-48.49	-13.00	35.49	H
7332.01	-51.47	8.10	12.00	2.15	-49.72	-13.00	36.72	V
8155.01	-51.94	8.42	12.72	2.15	-49.79	-13.00	36.79	V
8951.00	-50.81	9.03	13.09	2.15	-48.90	-13.00	35.90	V
9776.00	-51.02	8.98	13.12	2.15	-49.03	-13.00	36.03	V

**LTE Band 26(824-849MHz), 1.4MHz, QPSK, Channel 26915**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1637.01	-53.61	3.56	5.25	2.15	-54.07	-13.00	41.07	H
2452.00	-47.05	4.57	5.96	2.15	-47.81	-13.00	34.81	V
3267.02	-60.58	5.28	7.64	2.15	-60.37	-13.00	47.37	V
4082.02	-57.11	6.04	8.98	2.15	-56.32	-13.00	43.32	H
4912.01	-57.13	6.73	9.81	2.15	-56.20	-13.00	43.20	V
5722.01	-56.18	7.30	10.56	2.15	-55.07	-13.00	42.07	H

**LTE Band 26(824-849MHz), 1.4MHz, QPSK, Channel 27033**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2652.00	-44.90	4.74	6.37	2.15	-45.42	-13.00	32.42	H
6768.01	-52.35	7.94	11.32	2.15	-51.12	-13.00	38.12	V
7307.01	-51.51	8.10	11.97	2.15	-49.79	-13.00	36.79	H
8209.01	-51.22	8.53	12.77	2.15	-49.13	-13.00	36.13	V
9227.00	-49.98	8.99	13.24	2.15	-47.88	-13.00	34.88	H
9900.00	-50.69	9.09	13.00	2.15	-48.93	-13.00	35.93	V

**LTE Band 41, 5MHz, QPSK, Channel 39675**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5000.02	-59.83	6.60	9.90	-56.53	-25.00	31.53	H
7493.01	-54.32	8.37	12.19	-50.50	-25.00	25.50	H
9993.01	-53.25	9.17	12.91	-49.51	-25.00	24.51	H
12489.01	-49.09	10.20	13.20	-46.09	-25.00	21.09	H
14990.00	-43.71	11.21	14.01	-40.91	-25.00	15.91	V
17492.00	-39.45	12.71	14.88	-37.28	-25.00	12.28	H

**LTE Band 41, 5MHz, QPSK, Channel 40620**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2594.00	13.12	4.70	6.27	14.69	-25.00	-39.69	V
3863.02	-60.69	6.09	8.71	-58.07	-25.00	33.07	H
5170.02	-59.07	6.91	10.14	-55.84	-25.00	30.84	V
6489.02	-57.17	7.52	10.99	-53.70	-25.00	28.70	V
7767.01	-54.87	8.33	12.41	-50.79	-25.00	25.79	V
9049.01	-53.19	9.07	13.13	-49.13	-25.00	24.13	H

**LTE Band 41, 5MHz, QPSK, Channel 41565**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2688.00	18.09	4.78	6.44	19.75	-25.00	-44.75	V
4050.02	-60.55	6.04	8.95	-57.64	-25.00	32.64	H
5386.02	-60.44	6.86	10.44	-56.86	-25.00	31.86	V
6711.02	-54.28	7.98	11.25	-51.01	-25.00	26.01	H
8084.01	-54.32	8.32	12.67	-49.97	-25.00	24.97	H
9383.01	-53.24	9.05	13.33	-48.96	-25.00	23.96	H

**LTE Band 41C, QPSK, Channel 39703+39823**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5037.02	-59.25	6.59	9.95	-55.89	-25.00	30.89	H
7533.01	-54.69	8.26	12.23	-50.72	-25.00	25.72	V
10081.01	-51.87	9.41	12.93	-48.35	-25.00	23.35	V
12566.01	-48.19	10.37	13.24	-45.32	-25.00	20.32	V
15088.00	-42.59	11.33	13.95	-39.97	-25.00	14.97	H
17592.00	-38.63	13.08	15.03	-36.68	-25.00	11.68	H

**LTE Band 41C, QPSK, Channel 40549+40669**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5157.02	-58.88	6.89	10.12	-55.65	-25.00	30.65	V
7765.01	-53.91	8.34	12.41	-49.84	-25.00	24.84	H
10391.01	-52.13	9.79	13.06	-48.86	-25.00	23.86	H
12949.01	-46.74	10.49	13.47	-43.76	-25.00	18.76	H
15539.00	-42.99	11.51	13.70	-40.80	-25.00	15.80	H
16878.00	-39.77	12.02	13.75	-38.04	-25.00	13.04	H

**LTE Band 41C, QPSK, Channel 41395+41515**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5375.02	-60.42	6.88	10.43	-56.87	-25.00	31.87	V
8065.01	-54.74	8.32	12.65	-50.41	-25.00	25.41	H
10718.01	-51.70	9.35	13.14	-47.91	-25.00	22.91	H
13403.01	-43.25	10.57	14.06	-39.76	-25.00	14.76	V
16102.00	-41.74	11.85	13.68	-39.91	-25.00	14.91	V
17397.00	-38.69	12.50	14.67	-36.52	-25.00	11.52	H

**LTE Band 66, 1.4MHz, QPSK, Channel 131979**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3473.02	-71.81	5.47	8.14	-69.14	-13.00	56.14	H
5102.02	-68.73	6.78	10.04	-65.47	-13.00	52.47	V
6863.01	-64.79	7.81	11.44	-61.16	-13.00	48.16	V
8557.01	-64.15	8.57	13.01	-59.71	-13.00	46.71	V
10297.01	-61.94	9.63	13.02	-58.55	-13.00	45.55	V
11979.01	-59.10	10.15	13.00	-56.25	-13.00	43.25	V

**LTE Band 66, 1.4MHz, QPSK, Channel 132322**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.02	-69.93	5.50	8.18	-67.25	-13.00	54.25	H
5191.02	-69.93	6.95	10.17	-66.71	-13.00	53.71	H
7002.01	-64.41	8.30	11.60	-61.11	-13.00	48.11	V
8725.01	-63.45	8.43	13.05	-58.83	-13.00	45.83	H
10468.01	-62.00	9.70	13.09	-58.61	-13.00	45.61	V
12215.01	-59.32	10.05	13.09	-56.28	-13.00	43.28	H

**LTE Band 66, 1.4MHz, QPSK, Channel 132665**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3559.02	-66.18	5.92	8.28	-63.82	-13.00	50.82	V
5338.02	-70.25	6.96	10.37	-66.84	-13.00	53.84	H
7161.01	-64.87	8.18	11.79	-61.26	-13.00	48.26	V
8897.01	-63.39	8.84	13.08	-59.15	-13.00	46.15	H
10660.01	-60.99	9.30	13.13	-57.16	-13.00	44.16	V
12509.01	-58.85	10.20	13.21	-55.84	-13.00	42.84	H

**LTE Band 66B, QPSK, Channel 131997+132045**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3470.02	-71.90	5.47	8.13	-69.24	-13.00	56.24	H
5106.02	-69.00	6.79	10.05	-65.74	-13.00	52.74	V
6849.01	-64.91	7.83	11.42	-61.32	-13.00	48.32	V
8573.01	-64.36	8.54	13.01	-59.89	-13.00	46.89	H
10303.01	-62.32	9.65	13.02	-58.95	-13.00	45.95	V
12003.01	-58.30	10.06	13.00	-55.36	-13.00	42.36	H

**LTE Band 66B, QPSK, Channel 132398+132446**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3556.02	-69.79	5.88	8.28	-67.39	-13.00	54.39	V
5263.02	-69.28	6.99	10.27	-66.00	-13.00	53.00	H
6996.01	-64.70	8.27	11.60	-61.37	-13.00	48.37	V
8750.01	-64.39	8.51	13.05	-59.85	-13.00	46.85	V
10580.01	-62.49	9.35	13.12	-58.72	-13.00	45.72	H
12284.01	-59.59	10.01	13.11	-56.49	-13.00	43.49	H

**LTE Band 66B, QPSK, Channel 132599+132647**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3550.02	-67.46	5.82	8.27	-65.01	-13.00	52.01	H
5324.02	-70.10	6.99	10.35	-66.74	-13.00	53.74	H
7153.01	-65.30	8.18	11.78	-61.70	-13.00	48.70	V
8875.01	-63.85	8.80	13.08	-59.57	-13.00	46.57	H
10650.01	-61.41	9.29	13.13	-57.57	-13.00	44.57	V
12420.01	-59.07	10.39	13.17	-56.29	-13.00	43.29	H



**LTE Band 66C, QPSK, Channel 132025+132145**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3464.02	-71.90	5.45	8.11	-69.24	-13.00	56.24	H
5103.02	-68.74	6.78	10.04	-65.48	-13.00	52.48	V
6851.01	-64.83	7.82	11.42	-61.23	-13.00	48.23	V
8615.01	-64.57	8.47	13.02	-60.02	-13.00	47.02	V
10299.01	-62.15	9.64	13.02	-58.77	-13.00	45.77	V
12000.01	-59.51	10.05	13.00	-56.56	-13.00	43.56	V

**LTE Band 66C, QPSK, Channel 132351+132471**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3544.02	-70.13	5.76	8.26	-67.63	-13.00	54.63	V
5181.02	-69.90	6.93	10.15	-66.68	-13.00	53.68	H
7001.01	-64.47	8.30	11.60	-61.17	-13.00	48.17	V
8752.01	-64.28	8.52	13.05	-59.75	-13.00	46.75	V
10517.01	-62.29	9.59	13.10	-58.78	-13.00	45.78	H
12227.01	-59.63	10.04	13.09	-56.58	-13.00	43.58	H

**LTE Band 66C, QPSK, Channel 132477+132597**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3554.02	-69.55	5.86	8.28	-67.13	-13.00	54.13	V
5278.02	-70.24	6.99	10.29	-66.94	-13.00	53.94	V
7152.01	-65.21	8.18	11.78	-61.61	-13.00	48.61	V
8919.01	-64.25	8.91	13.08	-60.08	-13.00	47.08	V
10655.01	-61.26	9.29	13.13	-57.42	-13.00	44.42	V
12410.01	-58.95	10.41	13.16	-56.20	-13.00	43.20	H

**LTE Band 71, 5MHz, QPSK, Channel 133147**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1305.01	-54.27	3.12	4.49	2.15	-55.05	-13.00	42.05	H
1995.01	-49.79	4.04	4.61	2.15	-51.37	-13.00	38.37	H
2675.00	-44.16	4.76	6.42	2.15	-44.65	-13.00	31.65	H
3340.02	-60.36	5.31	7.82	2.15	-60.00	-13.00	47.00	V
4020.02	-57.84	6.05	8.92	2.15	-57.12	-13.00	44.12	H
4654.02	-58.18	6.47	9.55	2.15	-57.25	-13.00	44.25	V

**LTE Band 71, 5MHz, QPSK, Channel 133297**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1351.01	-56.05	3.18	4.73	2.15	-56.65	-13.00	43.65	H
2029.00	-51.11	4.13	4.69	2.15	-52.70	-13.00	39.70	H
2733.00	-45.16	4.82	6.52	2.15	-45.61	-13.00	32.61	H
3415.02	-61.55	5.38	8.00	2.15	-61.08	-13.00	48.08	V
4095.02	-57.18	6.04	9.00	2.15	-56.37	-13.00	43.37	V
4760.01	-58.35	6.59	9.66	2.15	-57.43	-13.00	44.43	V

**LTE Band 71, 5MHz, QPSK, Channel 133447**

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1397.01	-55.37	3.23	4.96	2.15	-55.79	-13.00	42.79	H
2105.00	-50.10	4.20	4.92	2.15	-51.53	-13.00	38.53	V
2764.00	-45.26	4.86	6.58	2.15	-45.69	-13.00	32.69	H
3455.02	-59.28	5.44	8.09	2.15	-58.78	-13.00	45.78	H
4170.02	-56.54	6.14	9.07	2.15	-55.76	-13.00	42.76	V
4882.01	-55.76	6.72	9.78	2.15	-54.85	-13.00	41.85	V

Sample: 3554.02 MHz

$$\text{Power (EIRP)} = P_{\text{Mea}} - P_{\text{pl}} + G_a$$

$$\text{Power (-67.13dBm)} = P_{\text{Mea}} (-69.55\text{dBm}) - P_{\text{pl}} (5.86\text{dB}) + G_a(8.28\text{dBi})$$

Note: Expanded measurement uncertainty

Frequency range	Expanded measurement uncertainty
30MHz-1GHz	5.76dB, k=2
1GHz-18GHz	4.69dB, k=2
18GHz-40GHz	3.37dB, k=2

Note: The measurement results showed here are worst cases

## **A.3 Frequency Stability**

### **A.3.1 Method of Measurement**

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as  $F_L$  and  $F_H$  respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of CMW500.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500, and in a simulated call on middle channel for each LTE band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

**A.3.2 Measurement results**

**LTE Band 2, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1850.833	1909.199		
50				-0.69	0.0004
40				-1.14	0.0006
30				-0.17	0.0001
10				-2.16	0.0011
0				-0.86	0.0005
-10				-1.46	0.0008
-20				-0.53	0.0003
-30				-1.07	0.0006

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1850.833	1909.199	-2.00	0.0011
4.45				-0.83	0.0004

**LTE Band 4, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1710.833	1754.231		
50				0.13	0.0001
40				0.11	0.0001
30				-0.69	0.0004
10				-1.07	0.0006
0				0.34	0.0002
-10				0.01	0.0000
-20				-0.80	0.0005
-30				0.20	0.0001

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1710.833	1754.231	0.51	0.0003
4.45				-0.46	0.0003

**LTE Band 5, 10MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	824.433	848.583		
50				-4.99	0.0060
40				-0.51	0.0006
30				0.01	0.0000
10				-0.20	0.0002
0				0.34	0.0004
-10				0.62	0.0007
-20				-0.13	0.0002
-30				-0.49	0.0006

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	824.433	848.583	-4.75	0.0057
4.45				-6.04	0.0072

**LTE Band 12, 10MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	699.465	715.519		
50				0.06	0.0001
40				-0.48	0.0007
30				0.76	0.0011
10				-6.29	0.0089
0				-1.48	0.0021
-10				-6.89	0.0097
-20				-5.94	0.0084
-30				0.36	0.0005

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	699.465	715.519	0.06	0.0001
4.45				-0.42	0.0006

**LTE Band 13, 10MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	777.465	786.535		
50				-0.85	0.0011
40				0.82	0.0010
30				0.18	0.0002
10				-6.59	0.0084
0				-6.27	0.0080
-10				0.03	0.0000
-20				-0.48	0.0006
-30				-1.42	0.0018

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	777.465	786.535	-0.58	0.0007
4.45				0.85	0.0011

**LTE Band 25, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1850.833	1914.199		
50				-10.61	0.0056
40				-12.17	0.0065
30				-2.30	0.0012
10				-11.07	0.0059
0				-10.37	0.0055
-10				-10.11	0.0054
-20				-11.65	0.0062
-30				-2.50	0.0013

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1850.833	1914.199	-11.71	0.0062
4.45				-10.60	0.0056

**LTE Band 26(814MHz~824MHz), 10MHz bandwidth QPSK (worst case of all bandwidths)  
Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	814.380	823.611				
50						1.39	0.0017
40						-5.75	0.0070
30						-5.41	0.0066
10						0.31	0.0004
0						-0.66	0.0008
-10						-0.93	0.0011
-20						-1.06	0.0013
-30						0.50	0.0006

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	814.380	823.611	-1.01	0.0012
4.45				0.47	0.0006

**LTE Band 26(824MHz~849MHz), 15MHz bandwidth QPSK (worst case of all bandwidths)  
Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	824.601	848.471				
50						-6.27	0.0075
40						-6.25	0.0075
30						-4.82	0.0058
10						-6.60	0.0079
0						-6.95	0.0083
-10						-6.75	0.0081
-20						-6.40	0.0077
-30						-5.63	0.0067

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	824.601	848.471	-0.06	0.0001
4.45				-5.44	0.0065

**LTE Band 41, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	2496.353	2689.583				
50						0.39	0.0002
40						0.24	0.0001
30						-0.43	0.0002
10						1.33	0.0005
0						2.20	0.0008
-10						1.80	0.0007
-20						0.53	0.0002
-30						-0.57	0.0002

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	2496.353	2689.583	-0.36	0.0001
4.45				0.36	0.0001

**LTE Band 66, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	1710.833	1779.231				
50						-1.65	0.0009
40						-1.09	0.0006
30						-1.61	0.0009
10						-0.42	0.0002
0						-0.16	0.0001
-10						-0.94	0.0005
-20						-0.54	0.0003
-30						-1.41	0.0008

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1710.833	1779.231	6.72	0.0039
4.45				-1.84	0.0011



**LTE Band 71, 20MHz bandwidth QPSK (worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	663.994	697.006				
50						1.78	0.0026
40						0.96	0.0014
30						0.74	0.0011
10						2.23	0.0033
0						1.23	0.0018
-10						1.52	0.0022
-20						1.26	0.0019
-30						2.12	0.0031

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	663.994	697.006	1.00	0.0015
4.45				1.14	0.0017

**LTE CA Band 41C, 20MHz+20MHz bandwidth QPSK(worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	2496.880	2689.100				
50						8.22	0.0032
40						8.85	0.0034
30						9.23	0.0036
10						8.28	0.0032
0						9.38	0.0036
-10						8.63	0.0033
-20						10.10	0.0039
-30						8.52	0.0033

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	2496.880	2689.100	10.85	0.0042
4.45				9.93	0.0038

**LTE CA Band 66B, 10MHz+10MHz bandwidth QPSK(worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	1710.300	1779.707				
50						0.85	0.0005
40						0.83	0.0005
30						0.76	0.0004
10						0.27	0.0002
0						0.88	0.0005
-10						0.48	0.0003
-20						0.85	0.0005
-30						0.87	0.0005

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1710.300	1779.707	1.48	0.0009
4.45				1.25	0.0007

**LTE CA Band 66C, 20MHz+20MHz bandwidth QPSK(worst case of all bandwidths)**

**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	1710.486	1779.521				
50						-7.02	0.0040
40						-5.80	0.0033
30						-7.29	0.0042
10						-5.87	0.0034
0						-5.84	0.0033
-10						-5.78	0.0033
-20						-5.02	0.0029
-30						-5.59	0.0032

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	1710.486	1779.521	-4.47	0.0026
4.45				-5.15	0.0030

**LTE CA Band 5B, 10MHz+10MHz bandwidth QPSK(worst case of all bandwidths)**  
**Frequency Error vs Temperature**

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)		
20	3.8	824.314	848.686				
50						13.40	0.0160
40						14.46	0.0173
30						14.69	0.0176
10						15.71	0.0188
0						14.23	0.0170
-10						14.75	0.0176
-20						16.77	0.0200
-30						15.74	0.0188

**Frequency Error vs Voltage**

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.5	20	824.314	848.686	16.37	0.0196
4.45				15.79	0.0189

#### **A.4 Occupied Bandwidth**

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

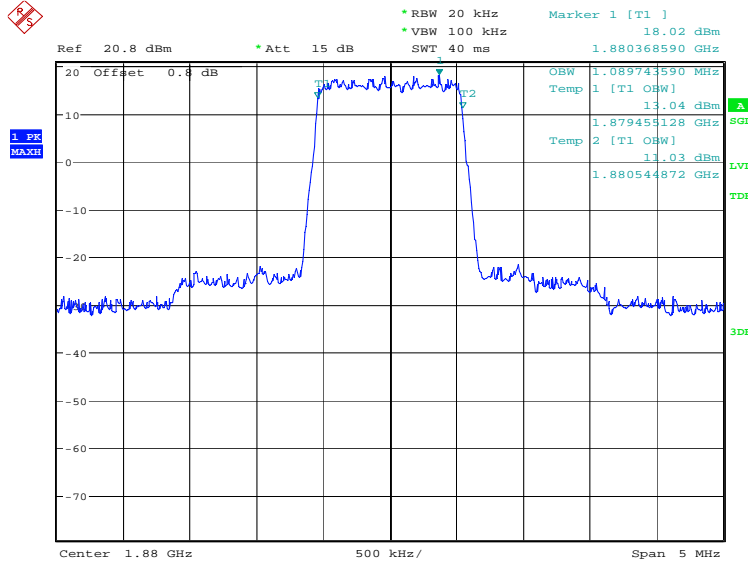
The measurement method is from ANSI C63.26:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
- b) The nominal IF filter 3 dB bandwidth (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) Set the detection mode to peak, and the trace mode to max-hold.

**LTE band 2, 1.4MHz (99%)**

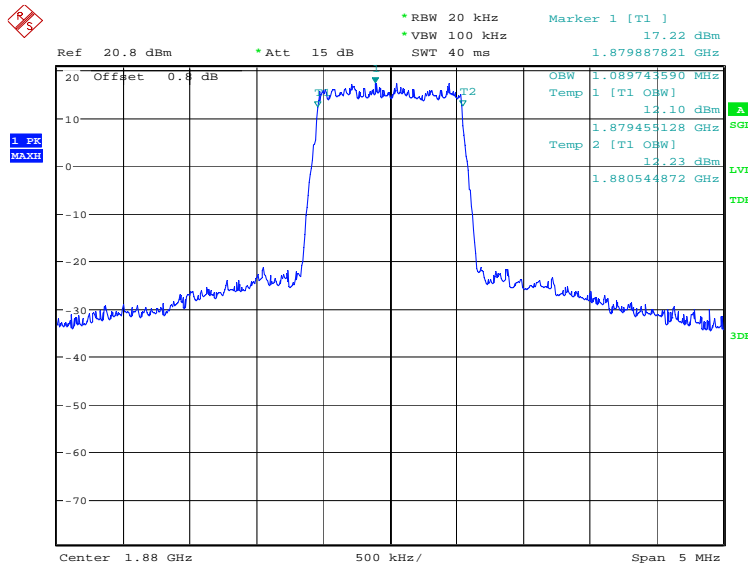
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	1089.74	1089.74

**LTE band 2, 1.4MHz Bandwidth, QPSK (99% BW)**



Date: 7.APR.2022 11:22:03

**LTE band 2, 1.4MHz Bandwidth, 16QAM (99% BW)**

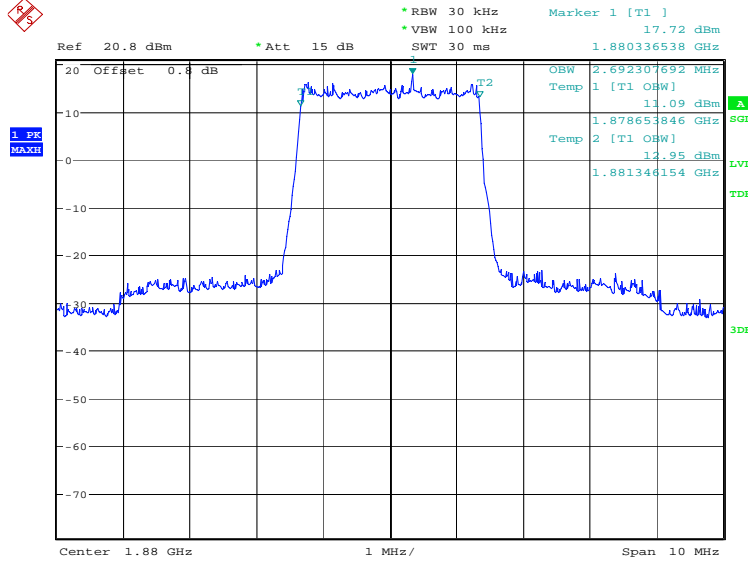


Date: 7.APR.2022 11:22:42

**LTE band 2, 3MHz (99%)**

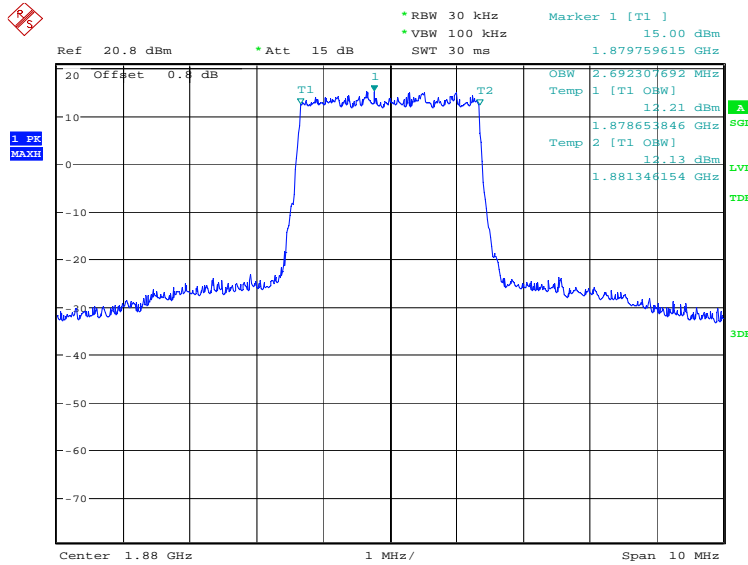
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	2692.31	2692.31

**LTE band 2, 3MHz Bandwidth, QPSK (99% BW)**



Date: 7.APR.2022 11:23:26

**LTE band 2, 3MHz Bandwidth, 16QAM (99% BW)**

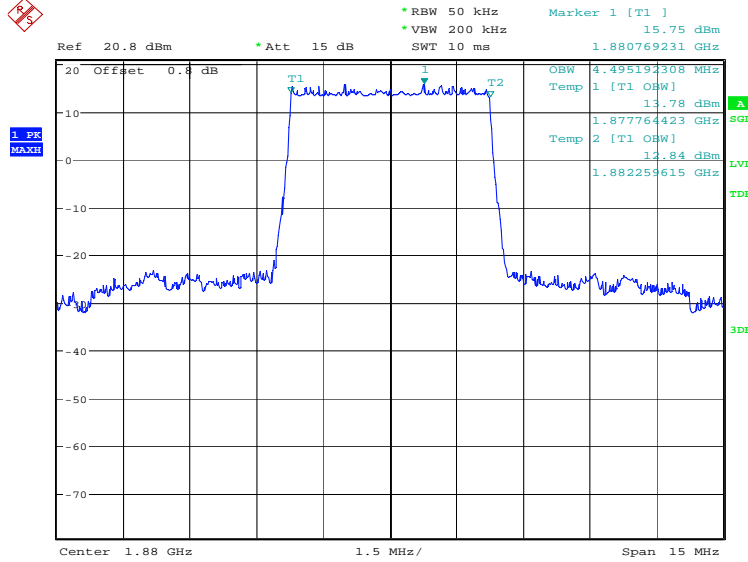


Date: 7.APR.2022 11:24:06

**LTE band 2, 5MHz (99%)**

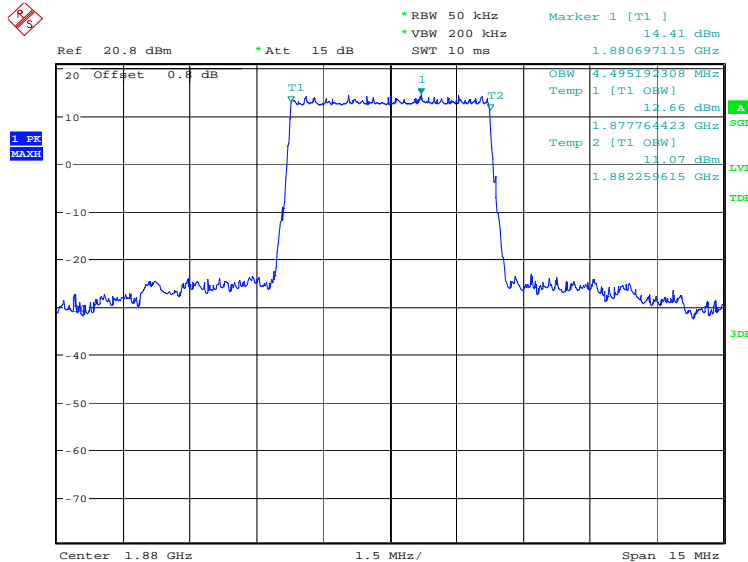
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	4495.19	4495.19

**LTE band 2, 5MHz Bandwidth, QPSK (99% BW)**



Date: 7.APR.2022 11:24:50

**LTE band 2, 5MHz Bandwidth, 16QAM (99% BW)**

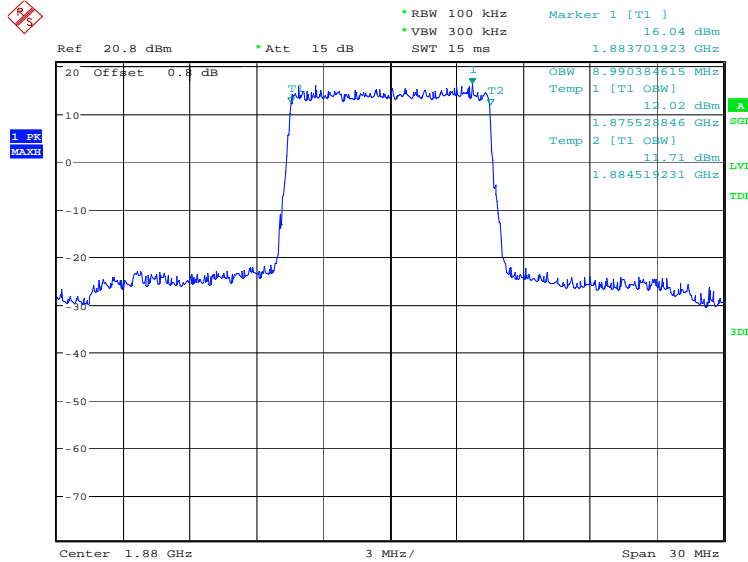


Date: 7.APR.2022 11:25:29

**LTE band 2, 10MHz (99%)**

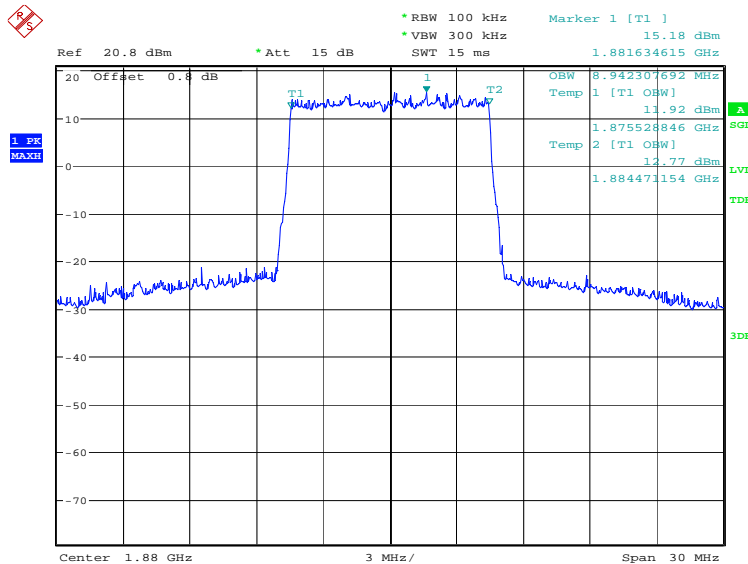
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	8990.38	8942.31

**LTE band 2, 10MHz Bandwidth, QPSK (99% BW)**



Date: 7.APR.2022 11:26:13

**LTE band 2, 10MHz Bandwidth, 16QAM (99% BW)**



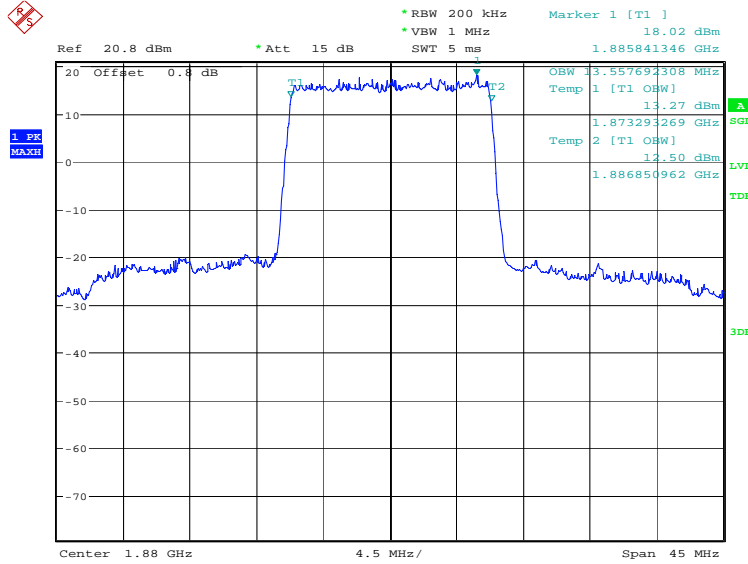
Date: 7.APR.2022 11:26:52



**LTE band 2, 15MHz (99%)**

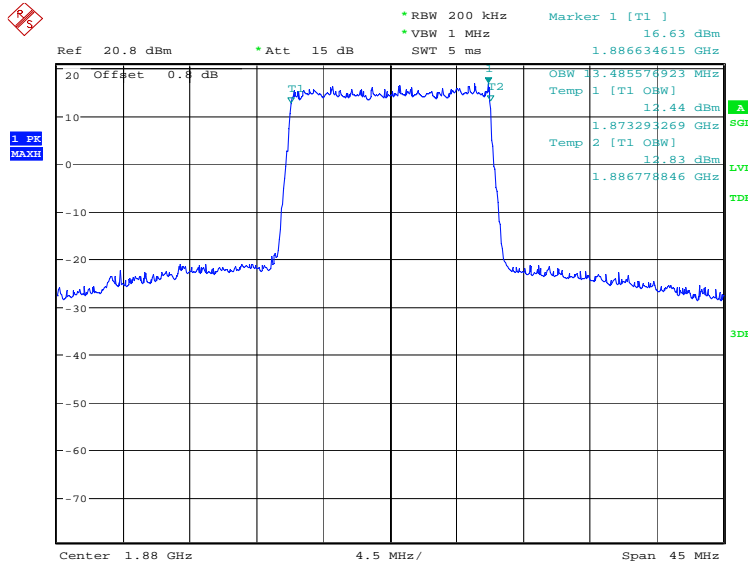
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	13557.69	13485.58

**LTE band 2, 15MHz Bandwidth, QPSK (99% BW)**



Date: 7.APR.2022 11:27:36

**LTE band 2, 15MHz Bandwidth, 16QAM (99% BW)**

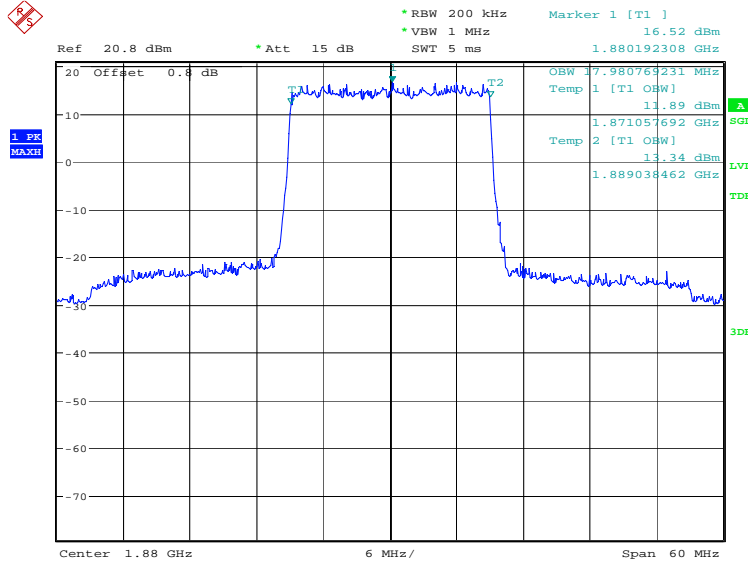


Date: 7.APR.2022 11:28:16

**LTE band 2, 20MHz (99%)**

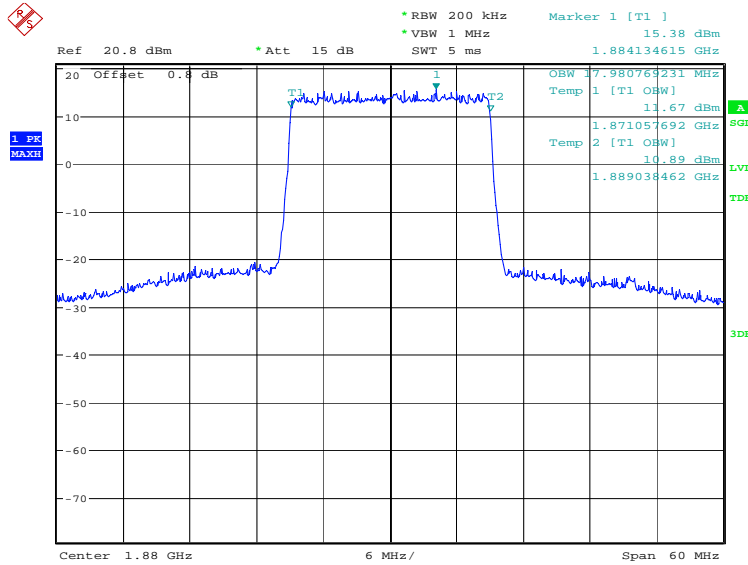
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 7.APR.2022 11:29:00

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

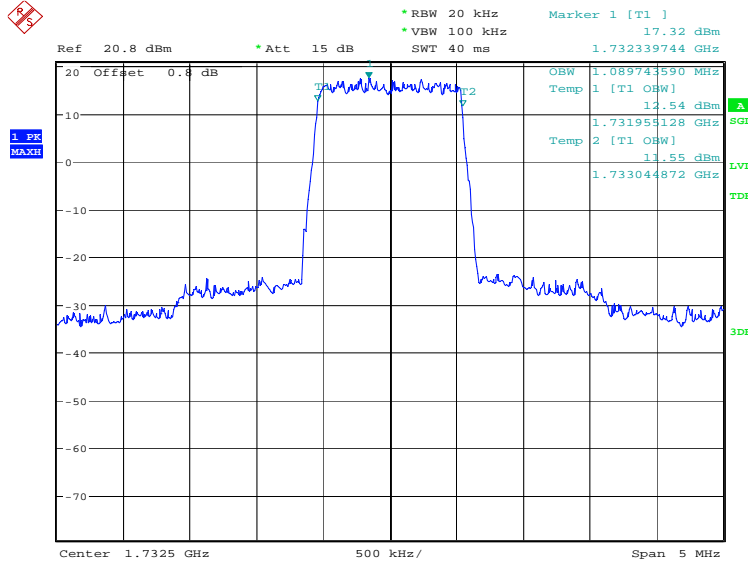


Date: 7.APR.2022 11:29:39

**LTE band 4, 1.4MHz (99%)**

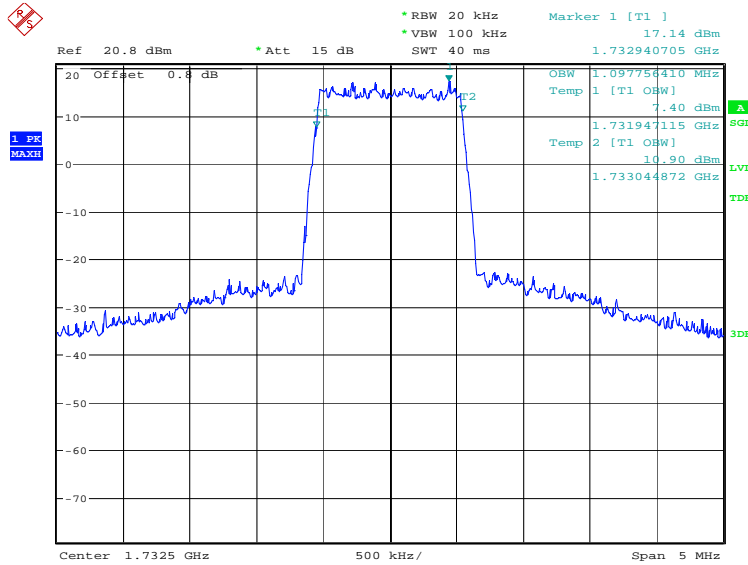
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 7.APR.2022 11:30:26

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

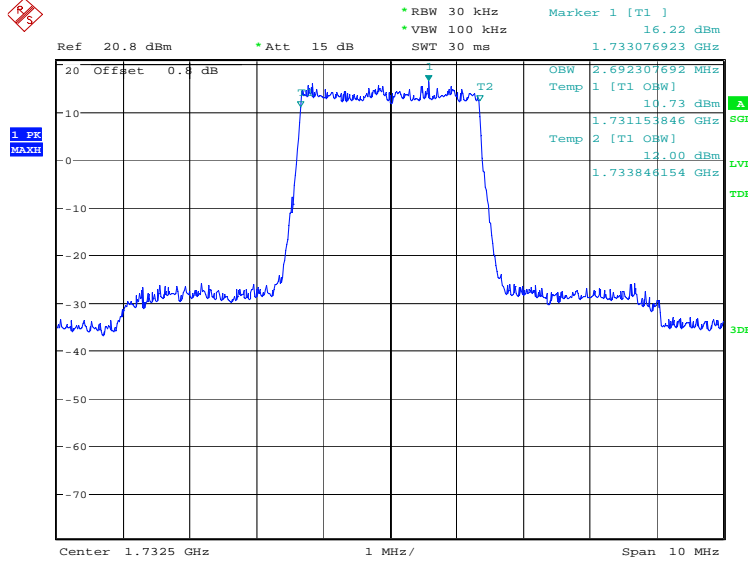


Date: 7.APR.2022 11:31:05

**LTE band 4, 3MHz (99%)**

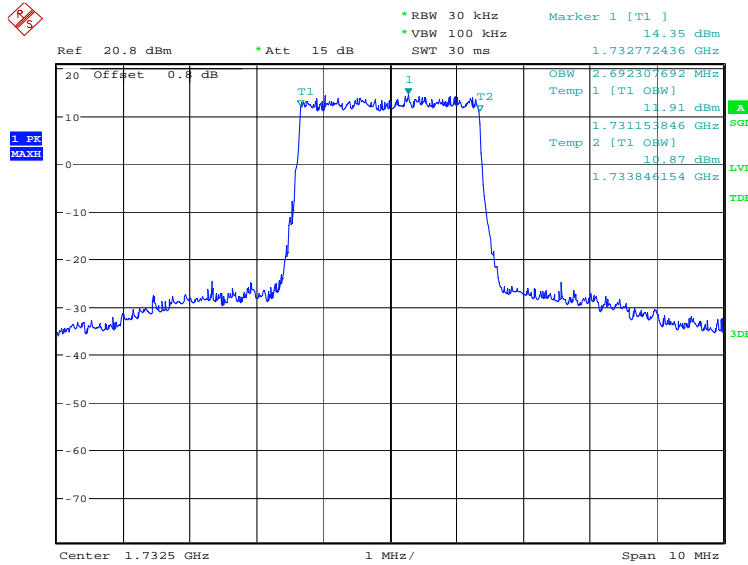
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 7.APR.2022 11:31:49

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

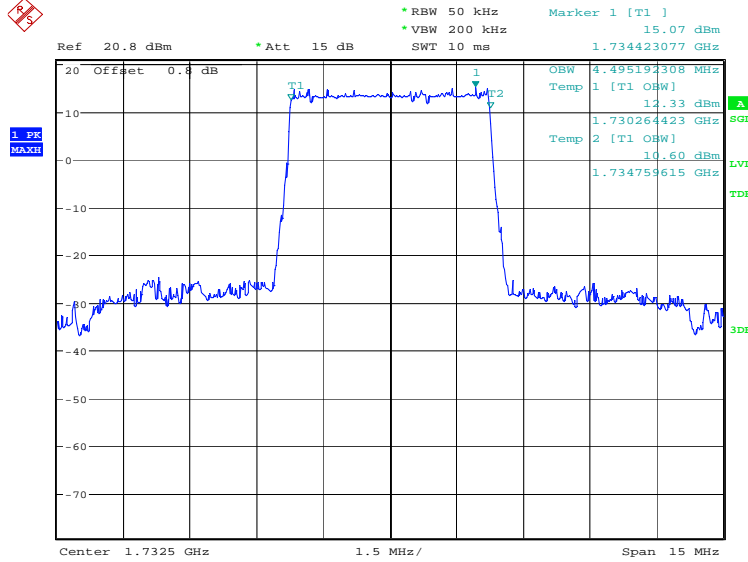


Date: 7.APR.2022 11:32:28

**LTE band 4, 5MHz (99%)**

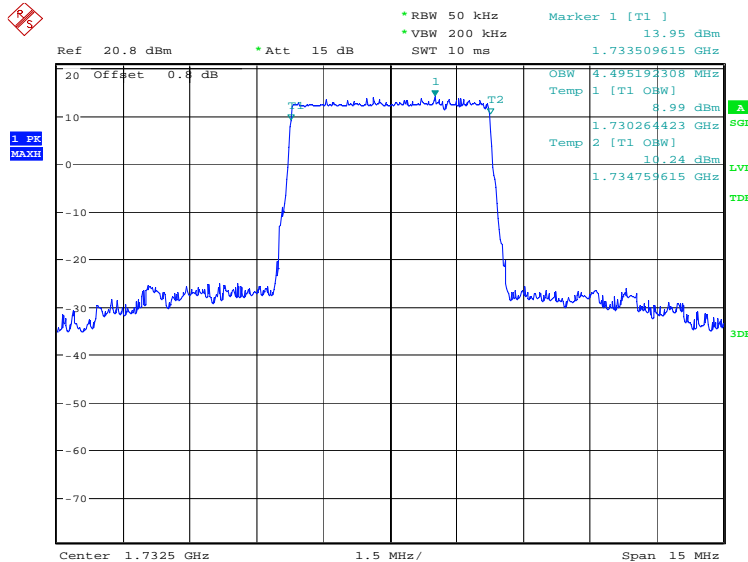
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	4495.19	4495.19

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



Date: 7.APR.2022 11:33:12

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

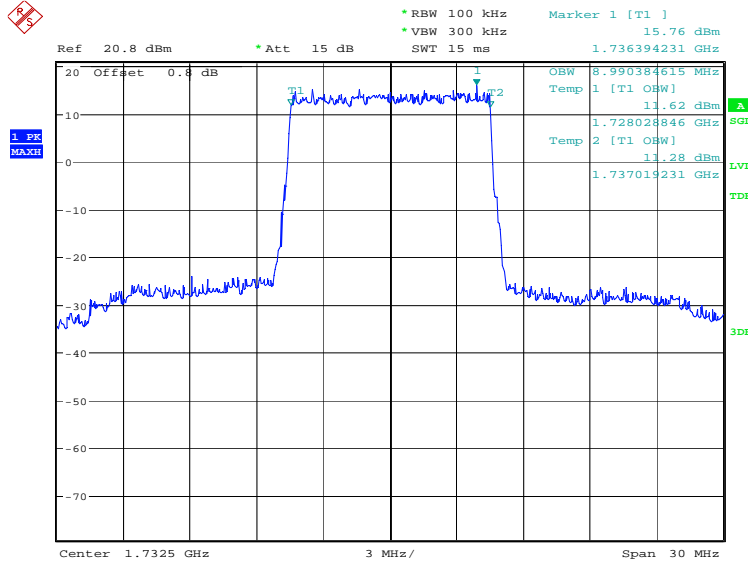


Date: 7.APR.2022 11:33:51

**LTE band 4, 10MHz (99%)**

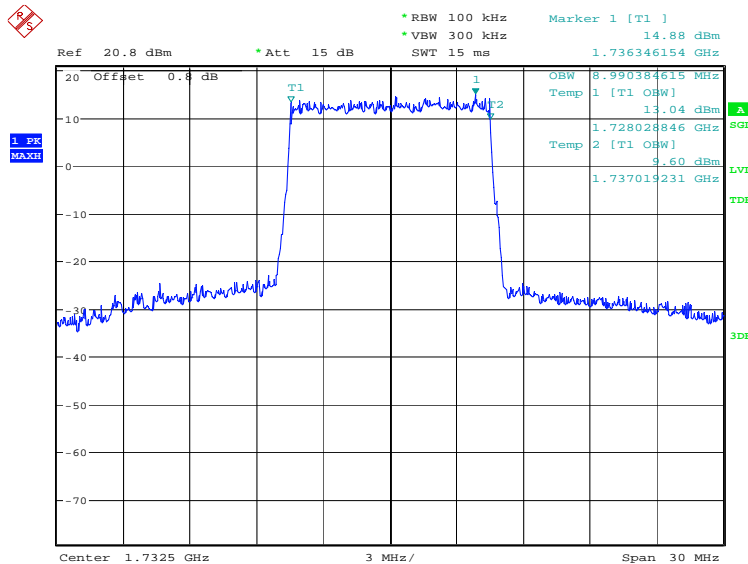
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	8990.38	8990.38

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



Date: 7.APR.2022 11:34:35

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

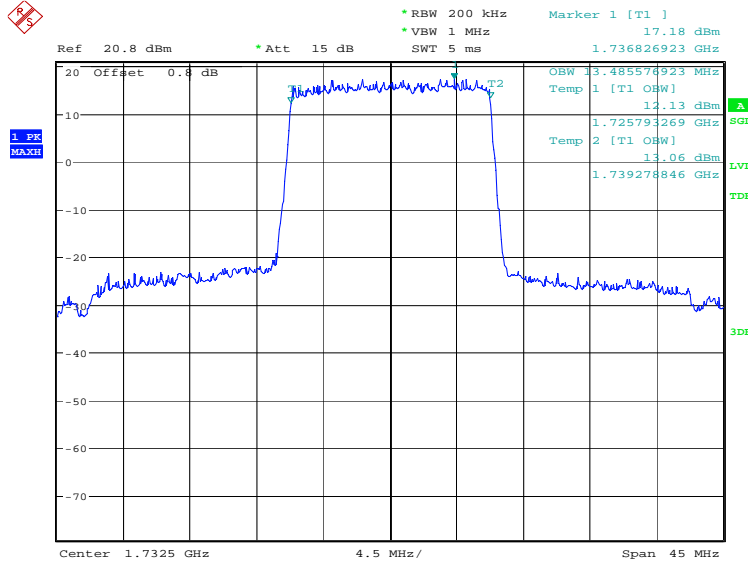


Date: 7.APR.2022 11:35:14

**LTE band 4, 15MHz (99%)**

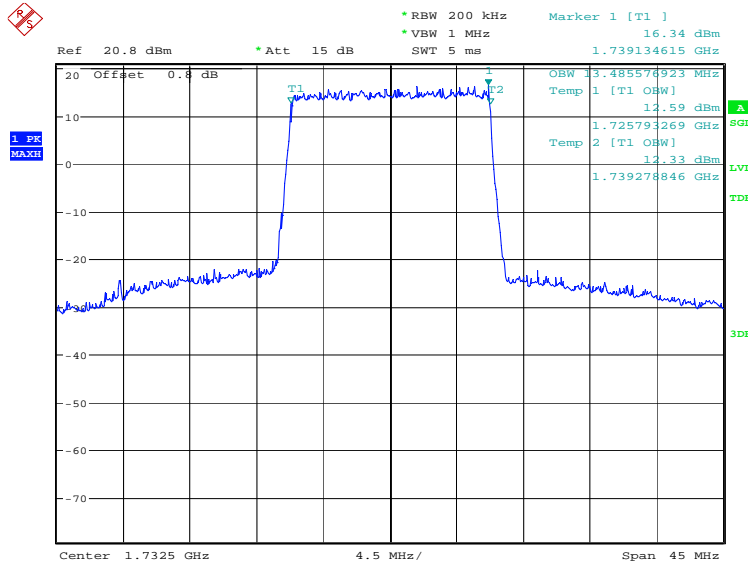
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 7.APR.2022 11:35:58

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

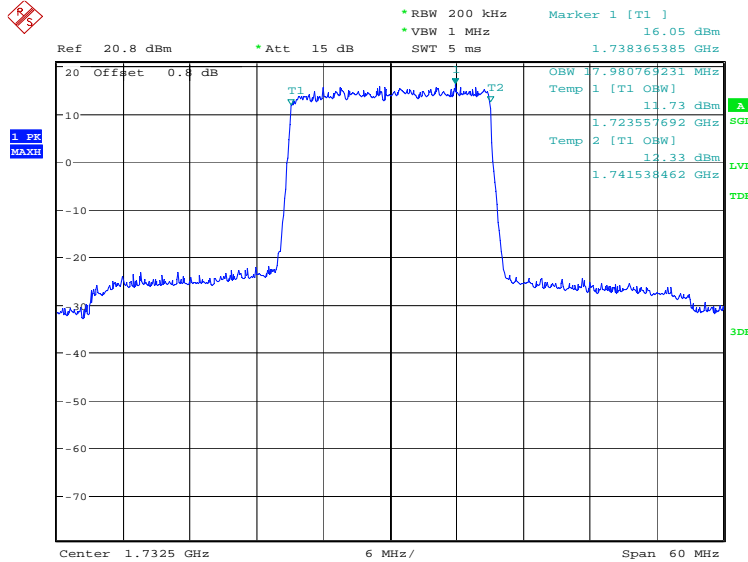


Date: 7.APR.2022 11:36:37

**LTE band 4, 20MHz (99%)**

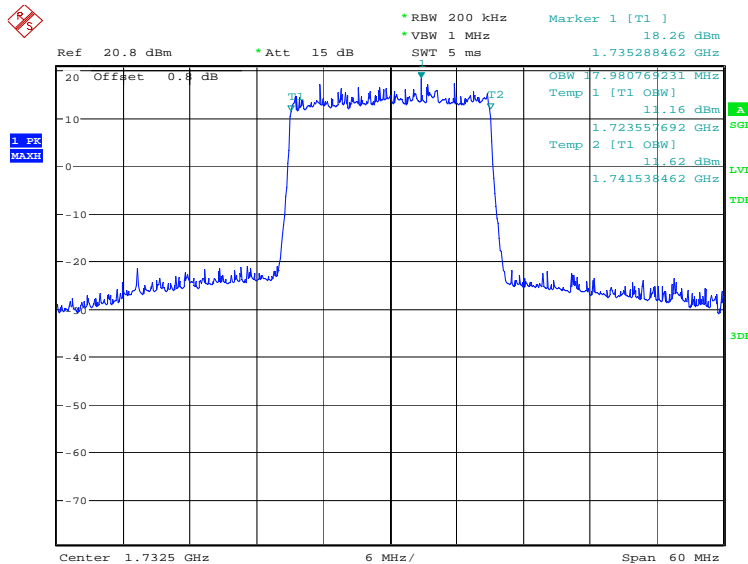
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	17980.77	17980.77

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



Date: 7.APR.2022 11:37:21

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



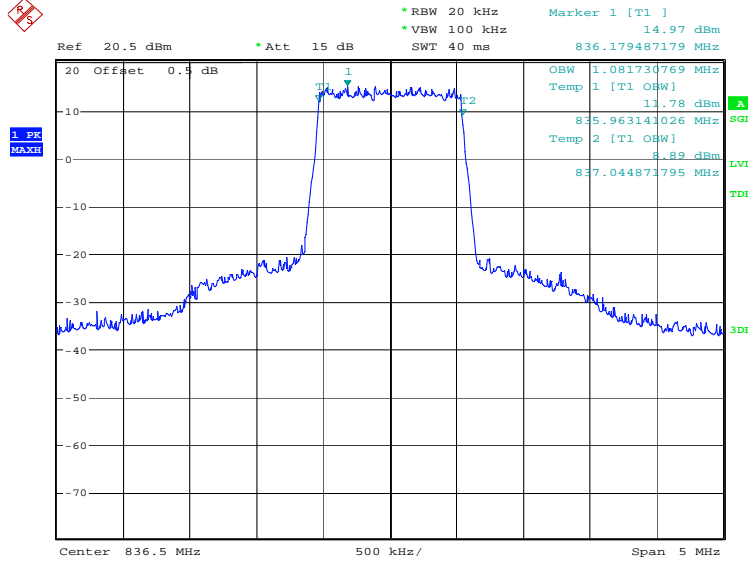
Date: 7.APR.2022 11:37:59



**LTE band 5, 1.4MHz (99%)**

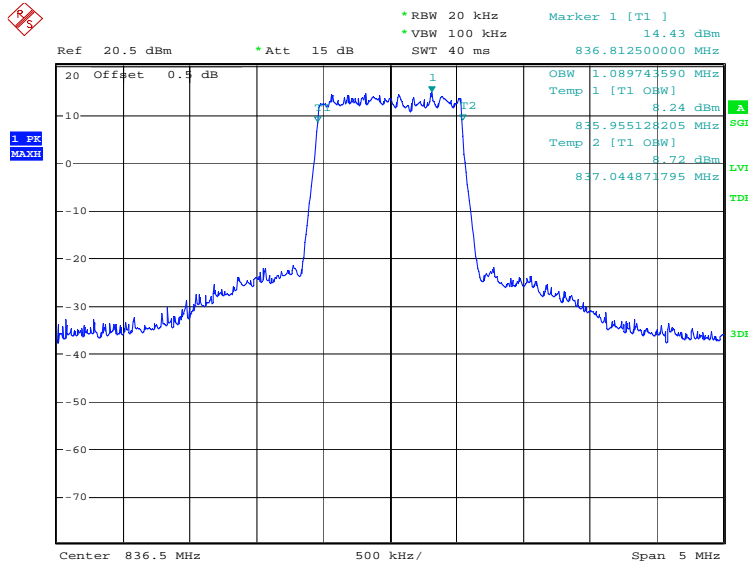
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	1081.73	1089.74

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



Date: 7.APR.2022 11:39:37

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

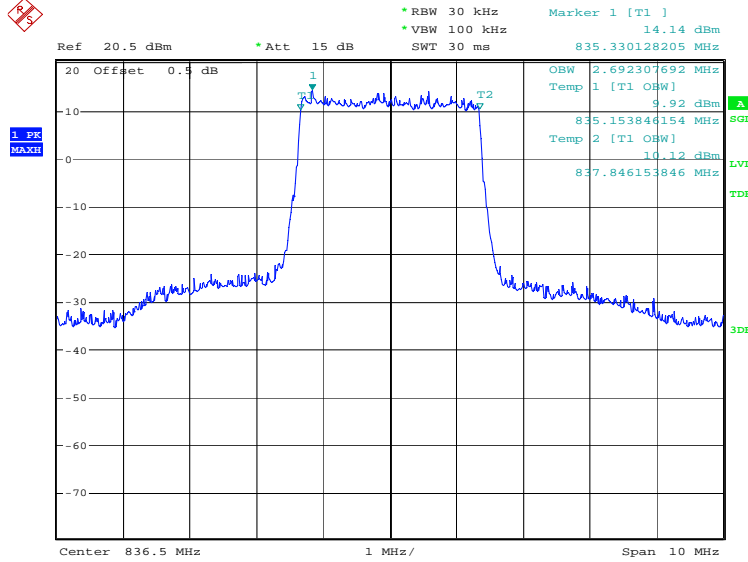


Date: 7.APR.2022 11:40:15

**LTE band 5, 3MHz (99%)**

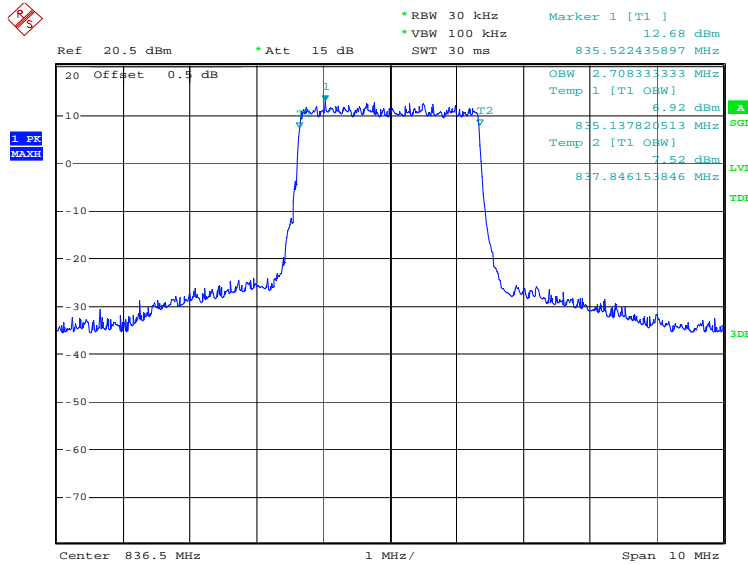
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	2692.31	2708.33

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



Date: 7.APR.2022 11:40:59

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

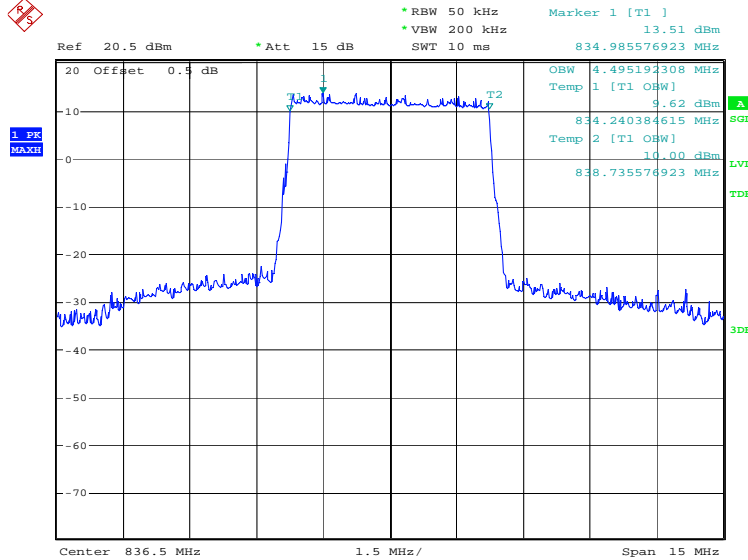


Date: 7.APR.2022 11:41:37

**LTE band 5, 5MHz (99%)**

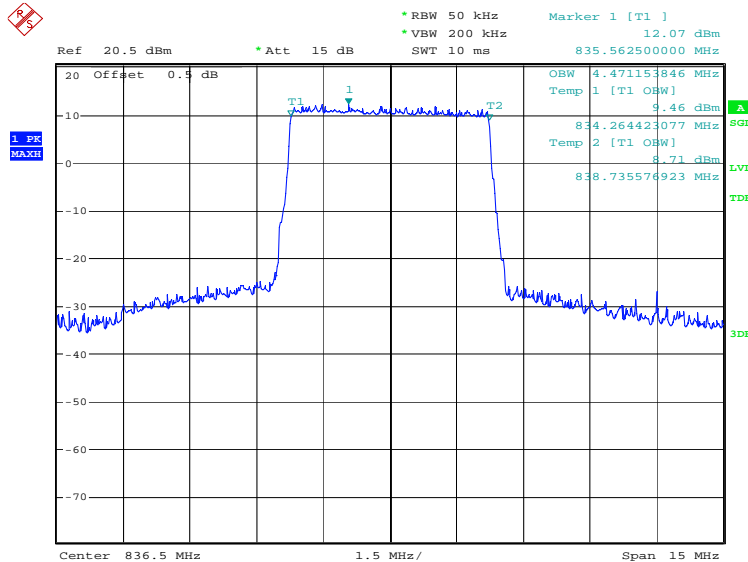
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	4495.19	4471.15

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



Date: 7.APR.2022 11:42:21

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

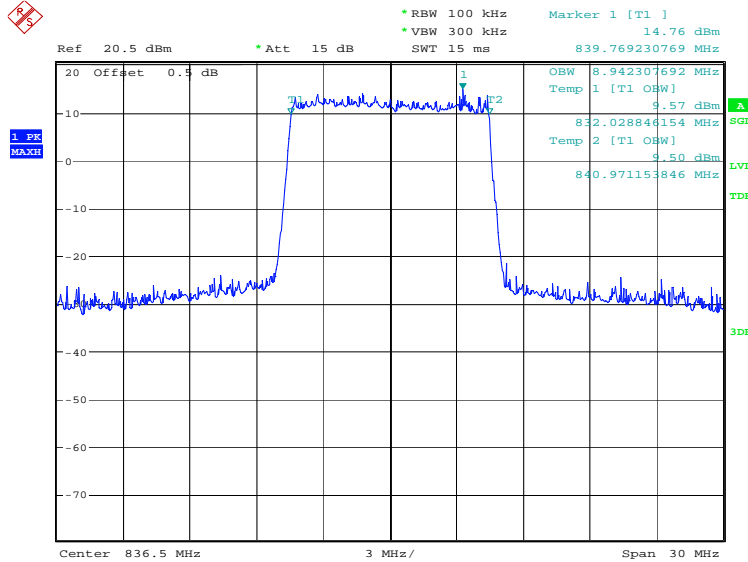


Date: 7.APR.2022 11:42:59

**LTE band 5, 10MHz (99%)**

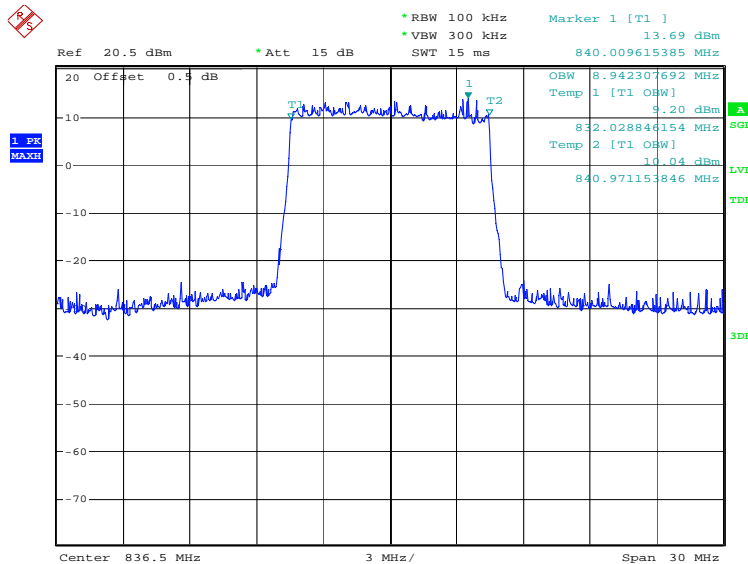
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 7.APR.2022 11:43:42

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

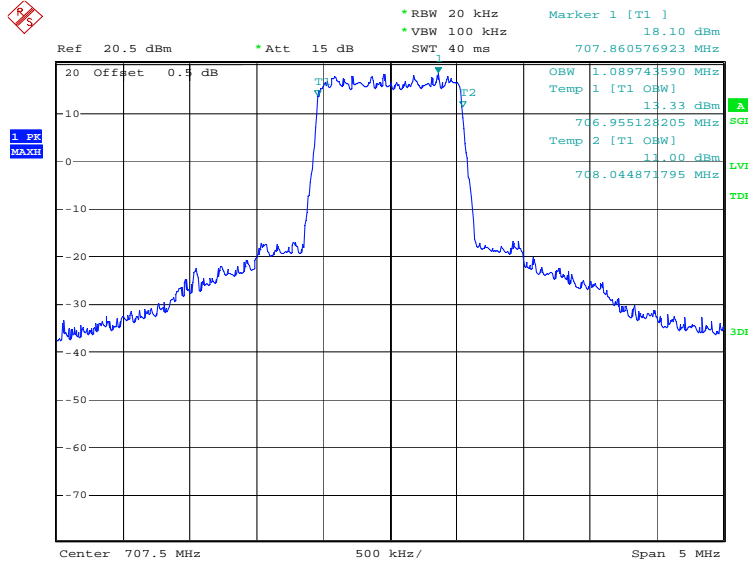


Date: 7.APR.2022 11:44:21

**LTE band 12, 1.4MHz (99%)**

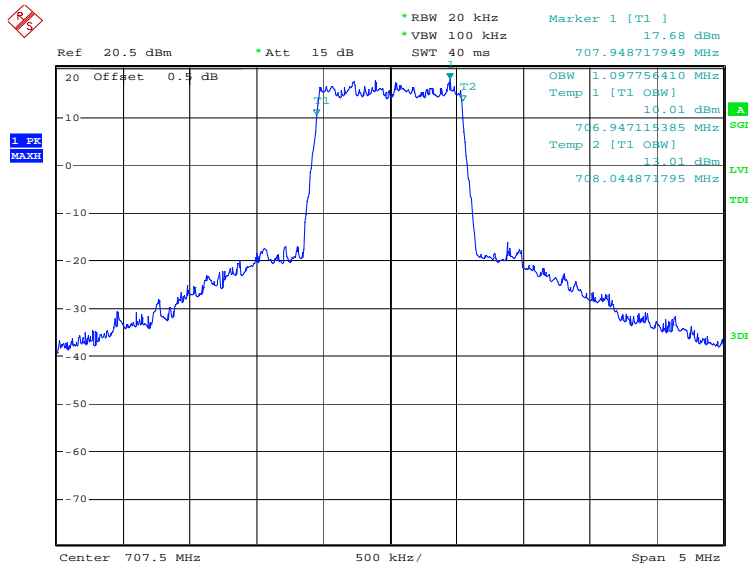
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 4.MAR.2022 13:40:43

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

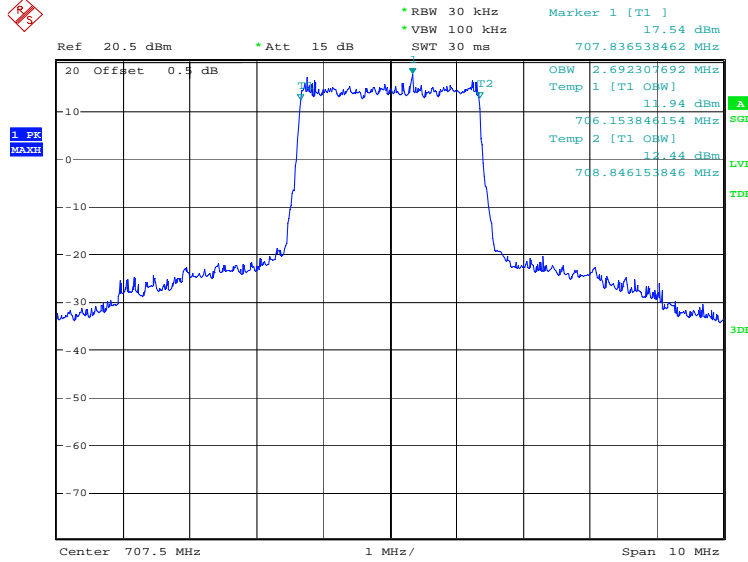


Date: 4.MAR.2022 13:41:22

**LTE band 12, 3MHz (99%)**

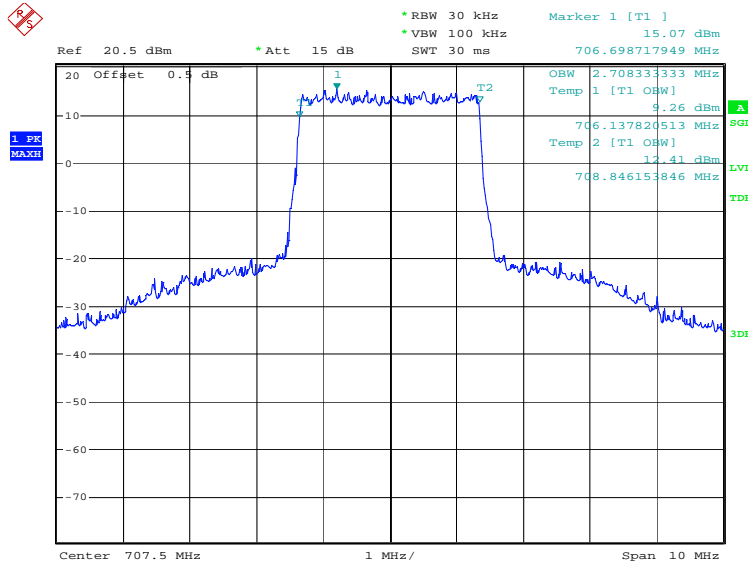
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	2692.31	2708.33

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



Date: 4.MAR.2022 13:42:07

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

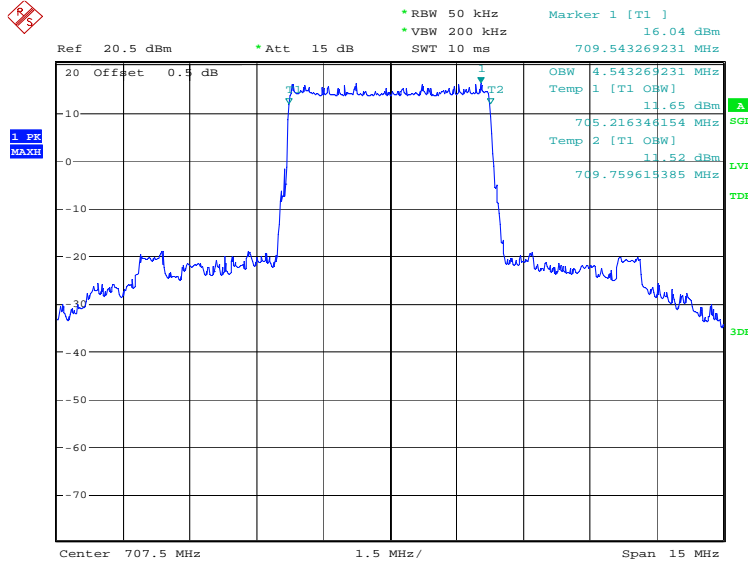


Date: 4.MAR.2022 13:42:46

**LTE band 12, 5MHz (99%)**

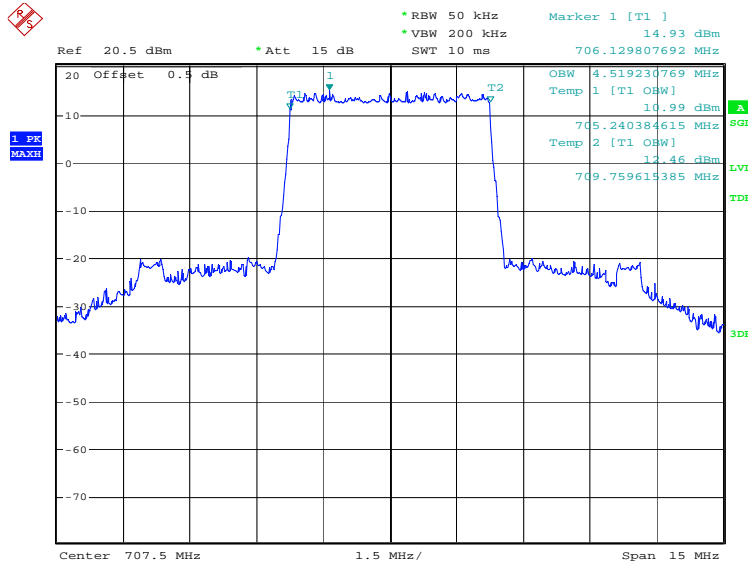
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	4543.27	4519.23

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



Date: 4.MAR.2022 13:43:31

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

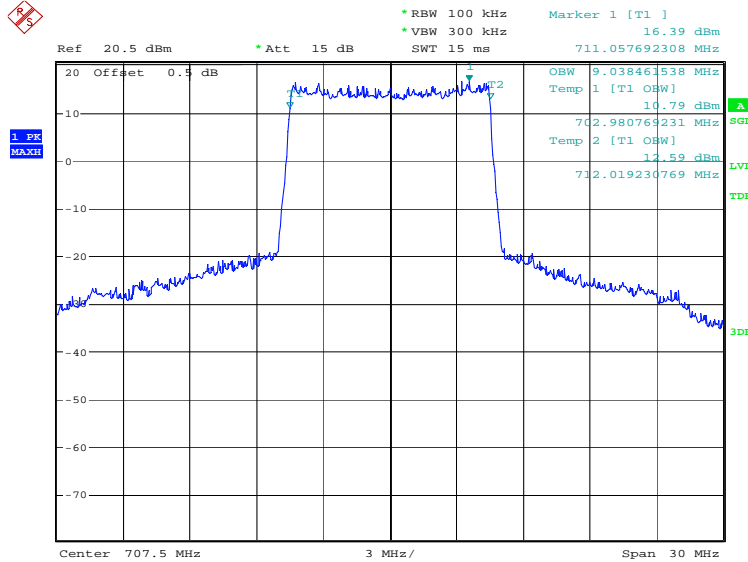


Date: 4.MAR.2022 13:44:11

**LTE band 12, 10MHz (99%)**

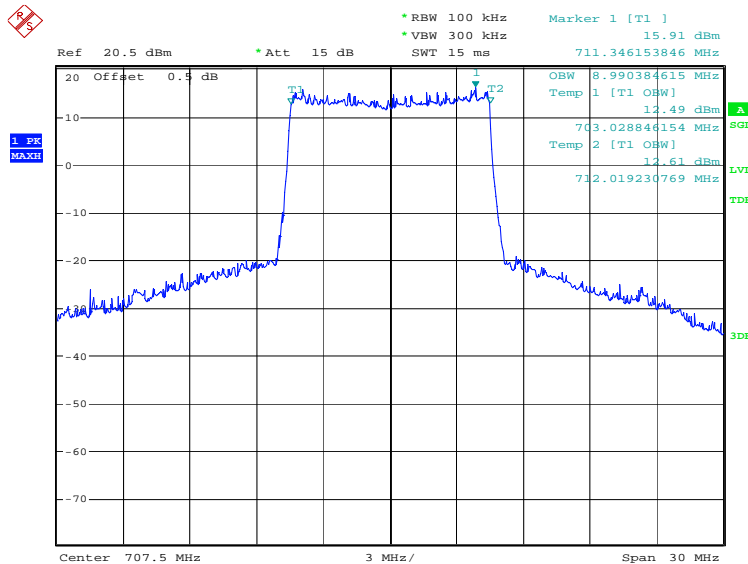
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	9038.46	8990.38

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



Date: 4.MAR.2022 13:44:56

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



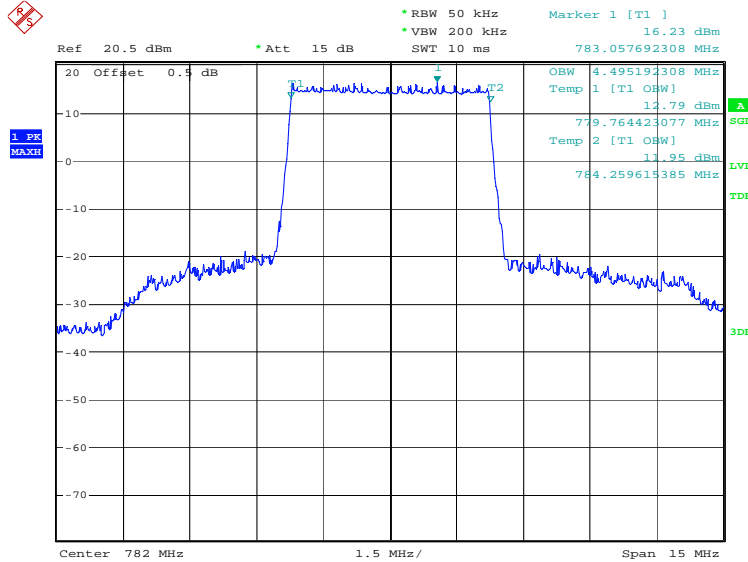
Date: 4.MAR.2022 13:45:35



**LTE band 13, 5MHz (99%)**

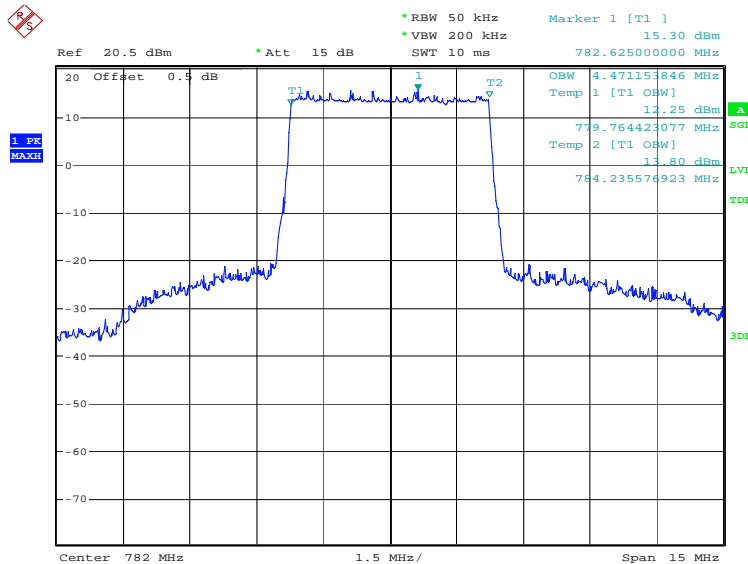
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	4495.19	4471.15

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



Date: 4.MAR.2022 13:46:23

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

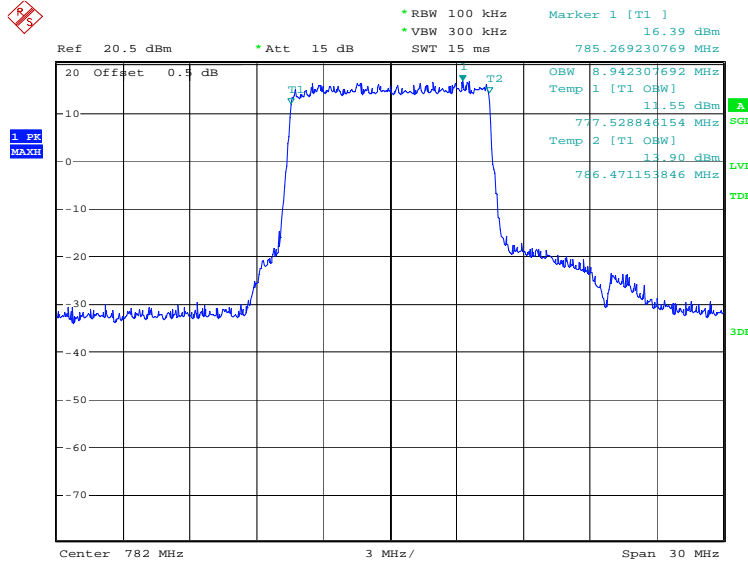


Date: 4.MAR.2022 13:47:03

**LTE band 13, 10MHz (99%)**

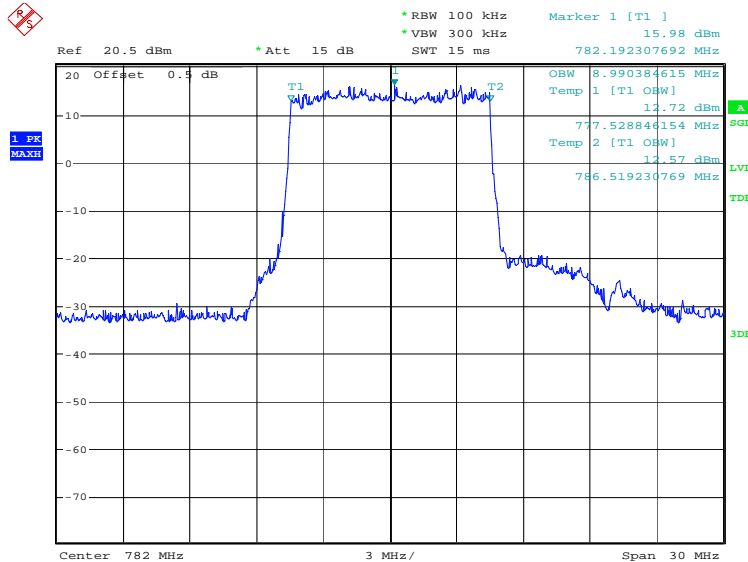
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	8942.31	8990.38

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



Date: 4.MAR.2022 13:47:46

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

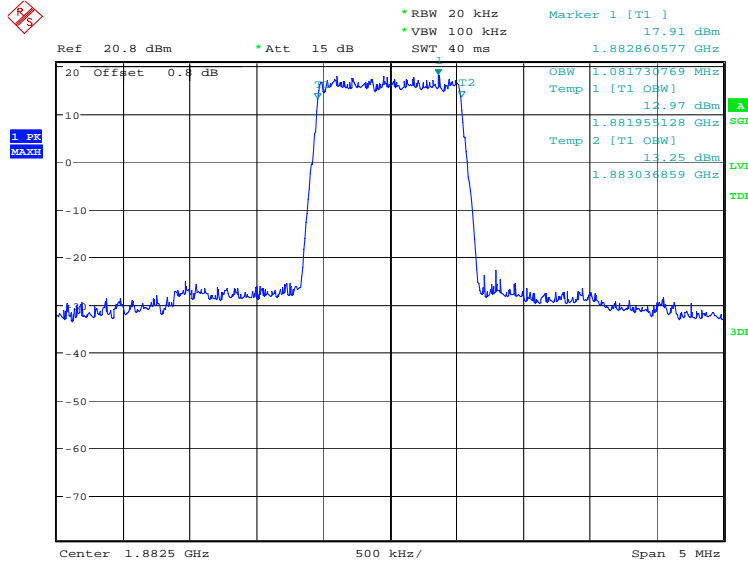


Date: 4.MAR.2022 13:48:26

**LTE band 25, 1.4MHz (99%)**

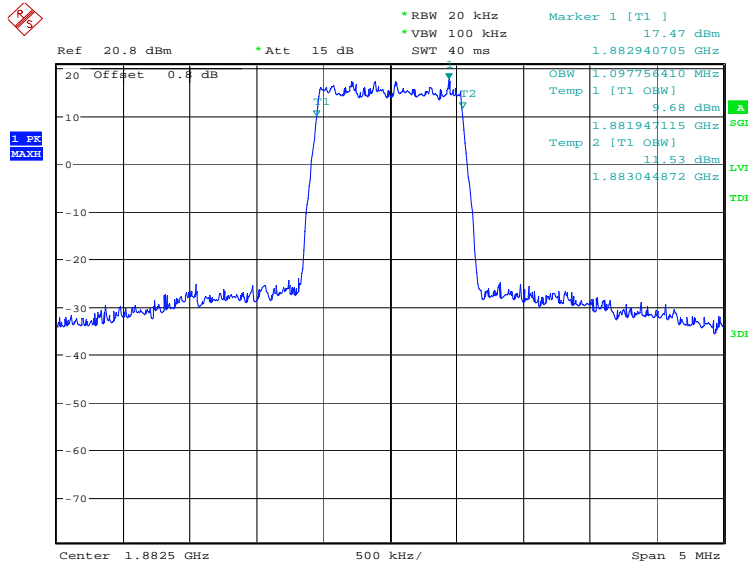
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	1081.73	1097.76

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



Date: 4.MAR.2022 10:28:10

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

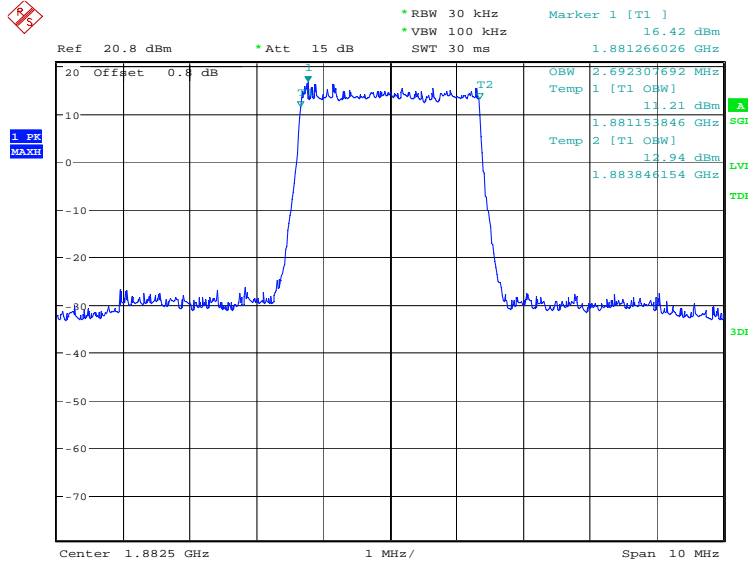


Date: 4.MAR.2022 10:28:49

**LTE band 25, 3MHz (99%)**

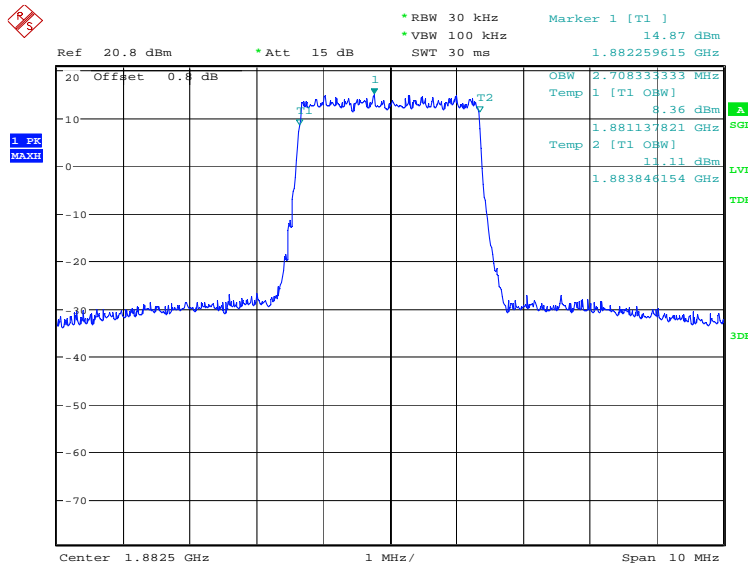
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	2692.31	2708.33

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



Date: 4.MAR.2022 10:29:32

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

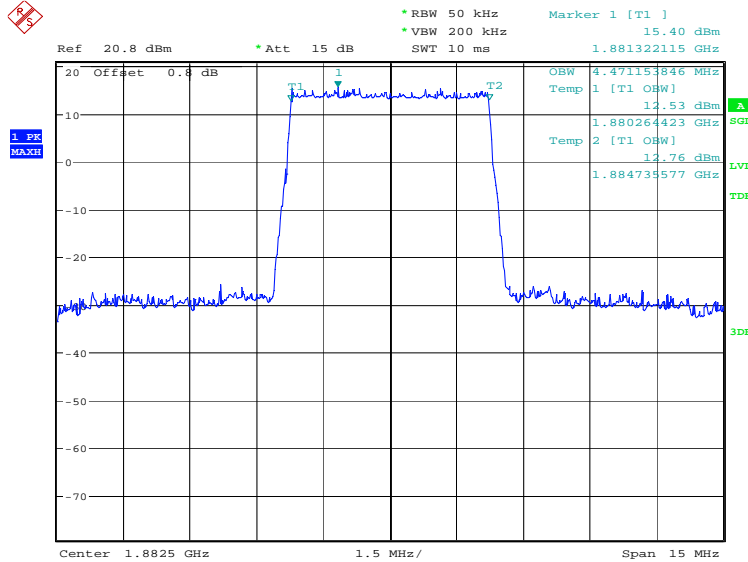


Date: 4.MAR.2022 10:30:12

**LTE band 25, 5MHz (99%)**

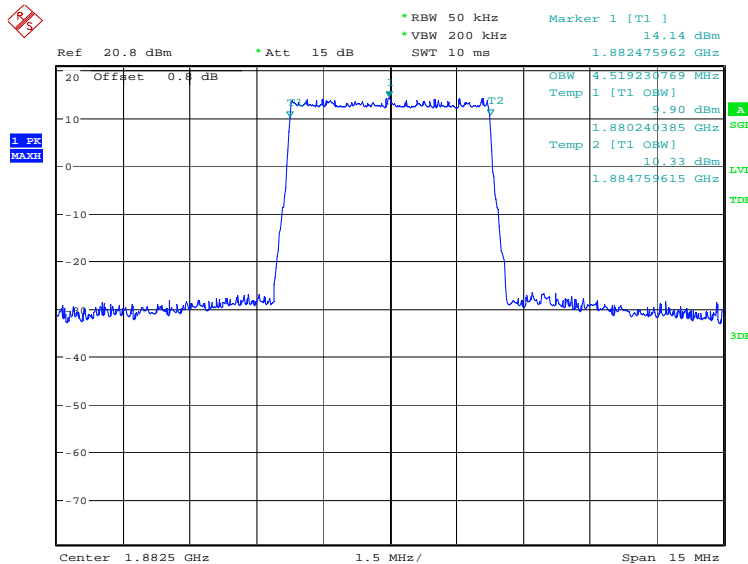
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 4.MAR.2022 10:30:55

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

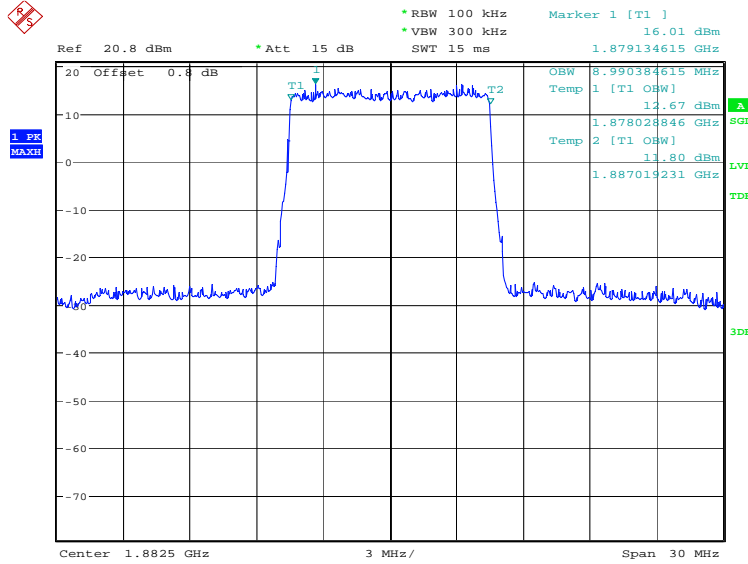


Date: 4.MAR.2022 10:31:34

**LTE band 25, 10MHz (99%)**

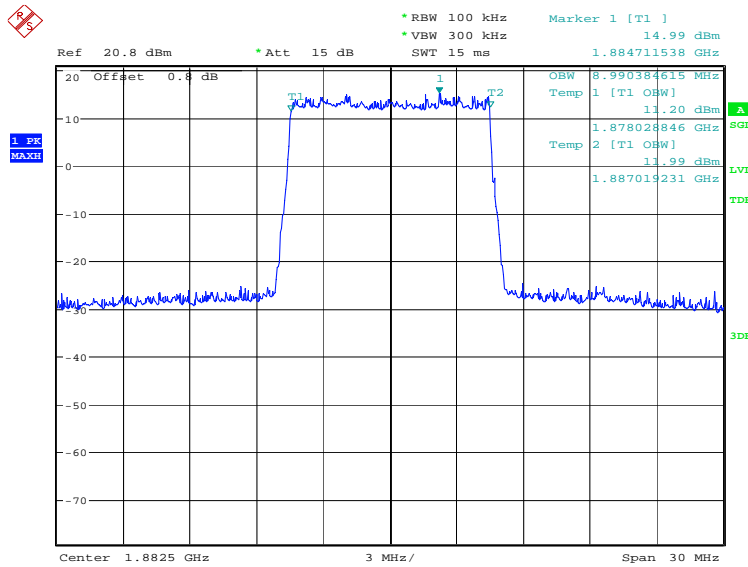
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	8990.38	8990.38

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



Date: 4.MAR.2022 10:32:17

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

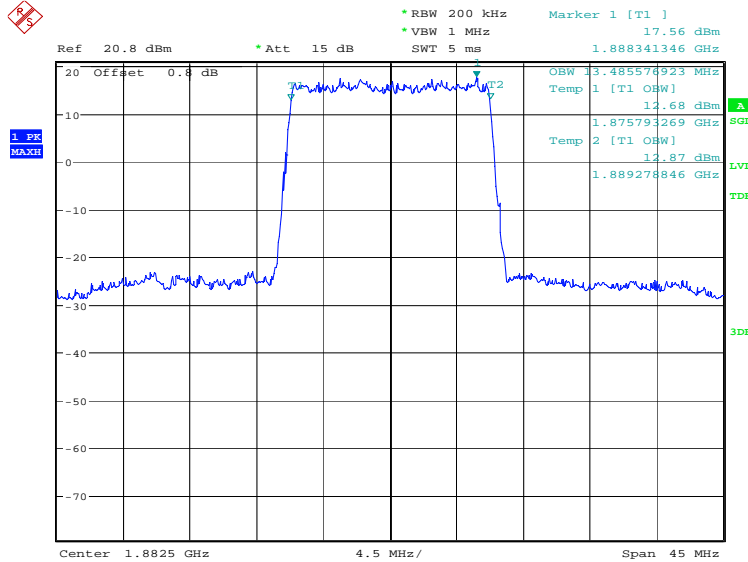


Date: 4.MAR.2022 10:32:57

**LTE band 25, 15MHz (99%)**

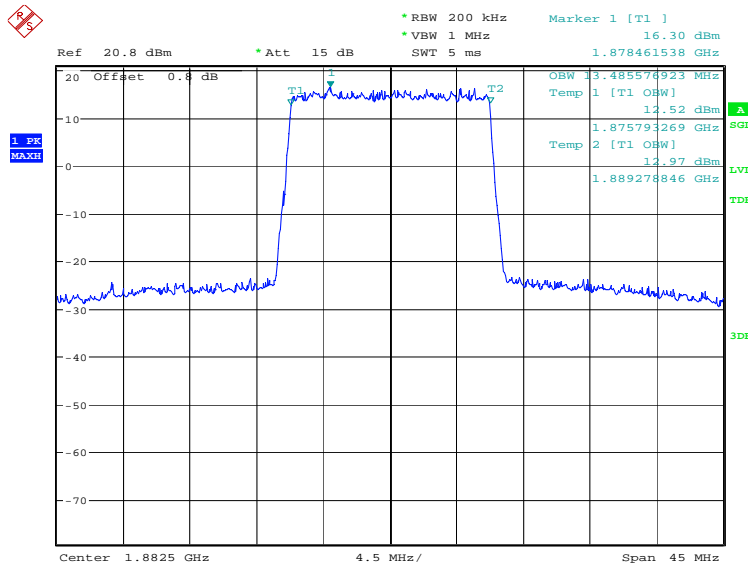
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 4.MAR.2022 10:33:40

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

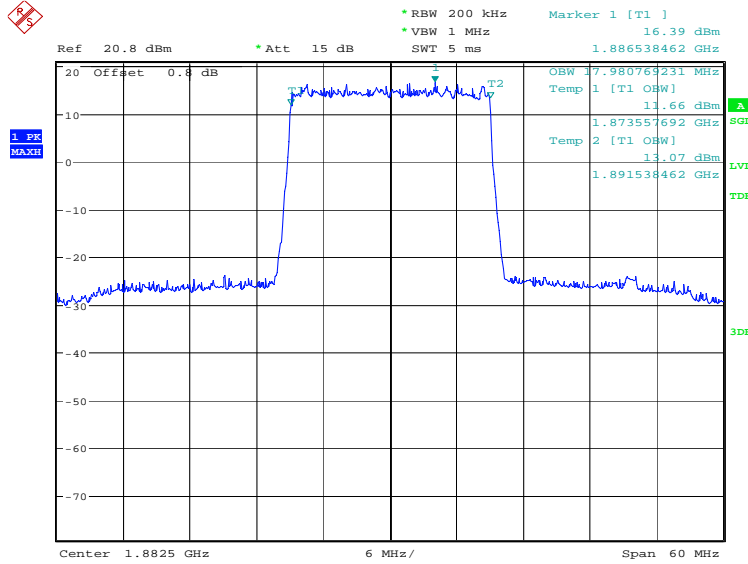


Date: 4.MAR.2022 10:34:20

**LTE band 25, 20MHz (99%)**

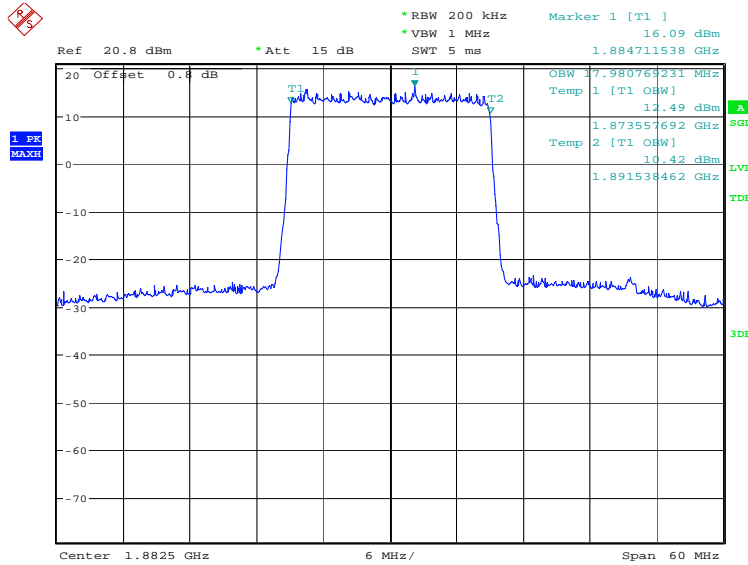
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	17980.77	17980.77

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



Date: 4.MAR.2022 10:35:03

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



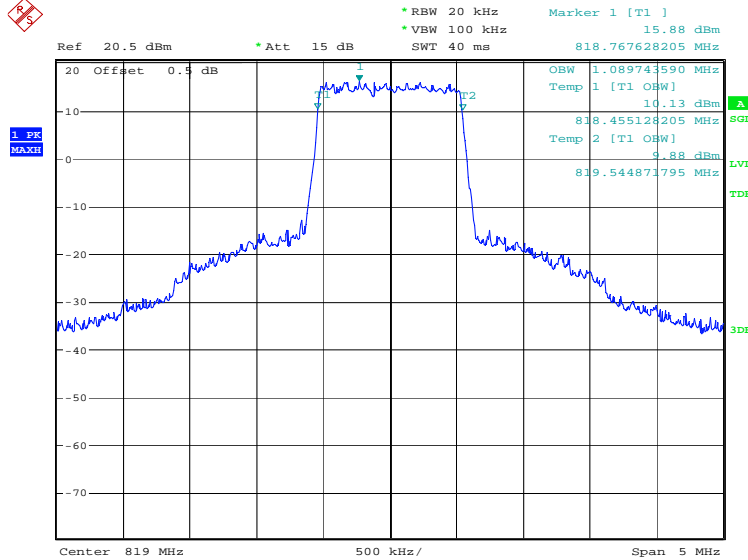
Date: 4.MAR.2022 10:35:43



**LTE band 26(814MHz~824MHz), 1.4MHz (99%)**

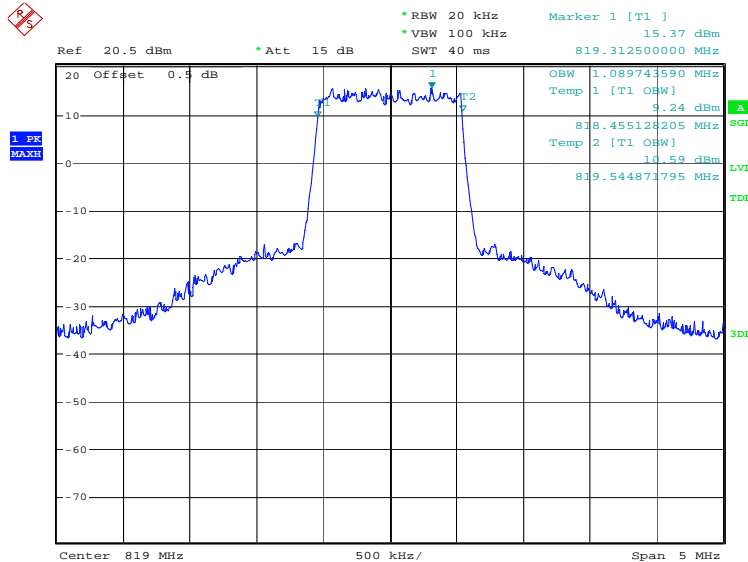
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 4.MAR.2022 10:44:57

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

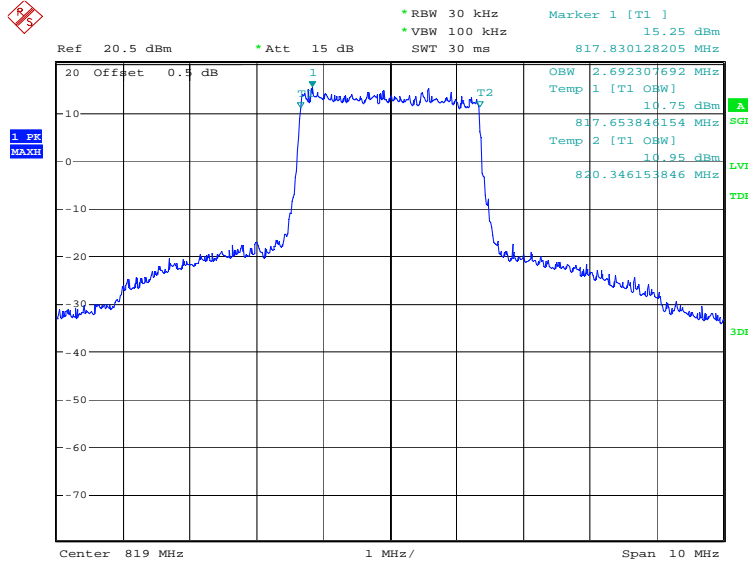


Date: 4.MAR.2022 10:45:36

**LTE band 26(814MHz~824MHz), 3MHz (99%)**

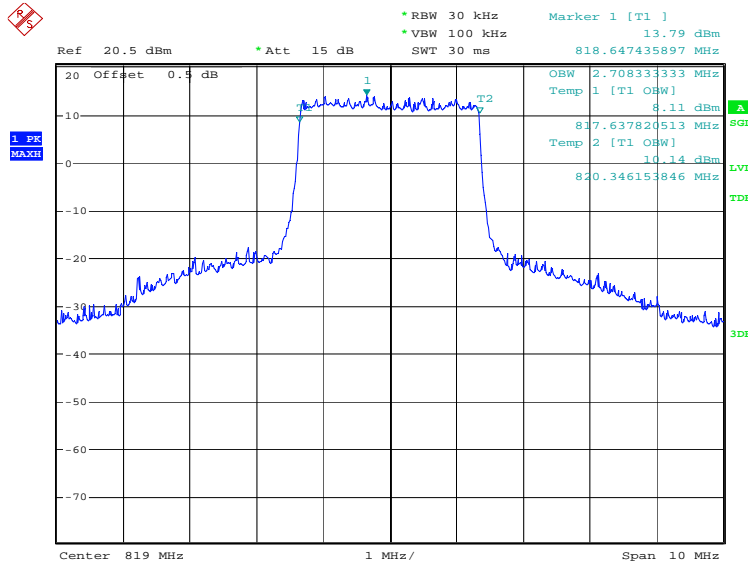
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	2692.31	2708.33

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



Date: 4.MAR.2022 10:46:20

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

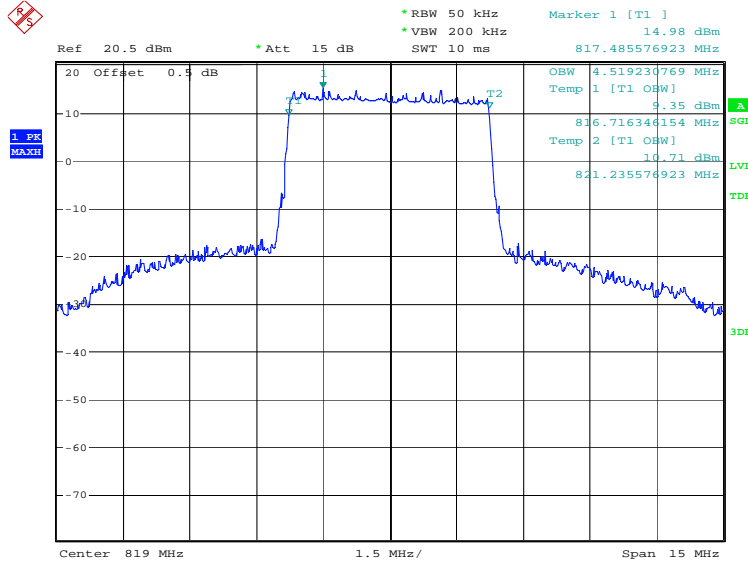


Date: 4.MAR.2022 10:46:59

**LTE band 26(814MHz~824MHz), 5MHz (99%)**

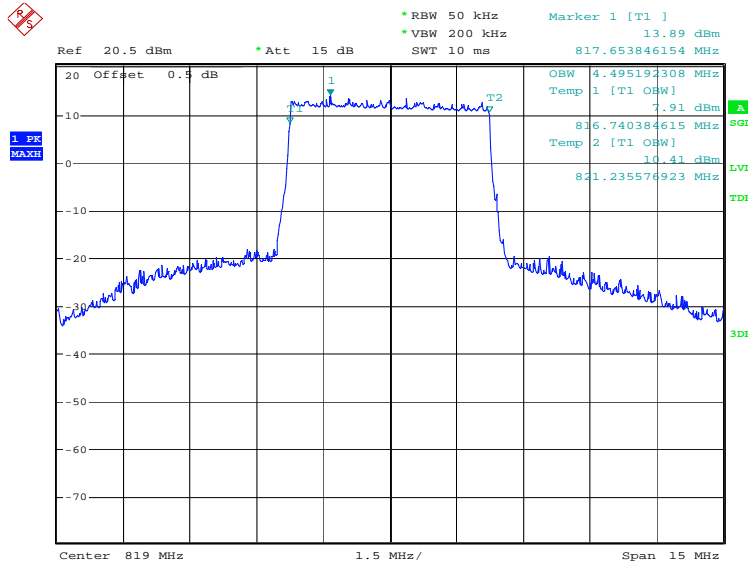
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	4519.23	4495.19

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



Date: 4.MAR.2022 10:47:42

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

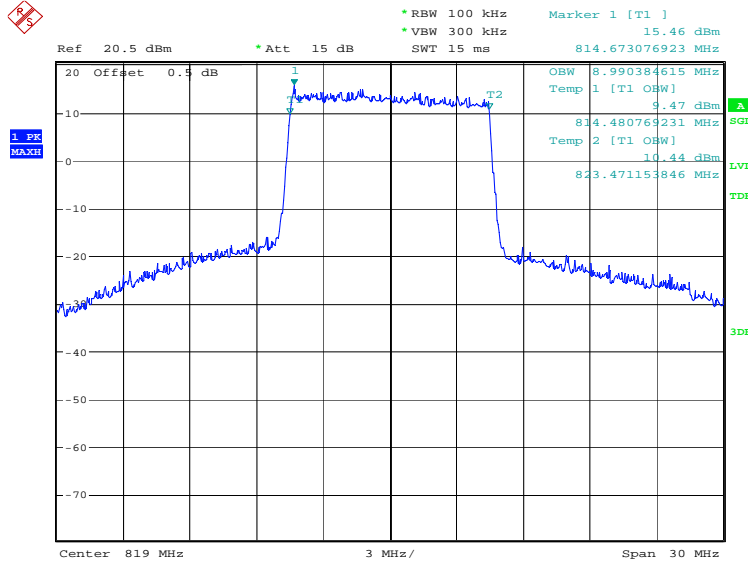


Date: 4.MAR.2022 10:48:22

**LTE band 26(814MHz~824MHz), 10MHz (99%)**

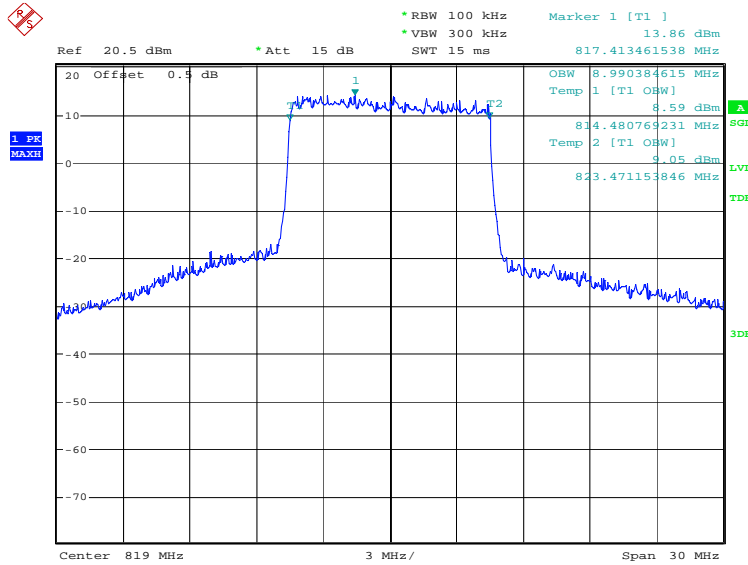
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	8990.38	8990.38

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



Date: 4.MAR.2022 10:49:05

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

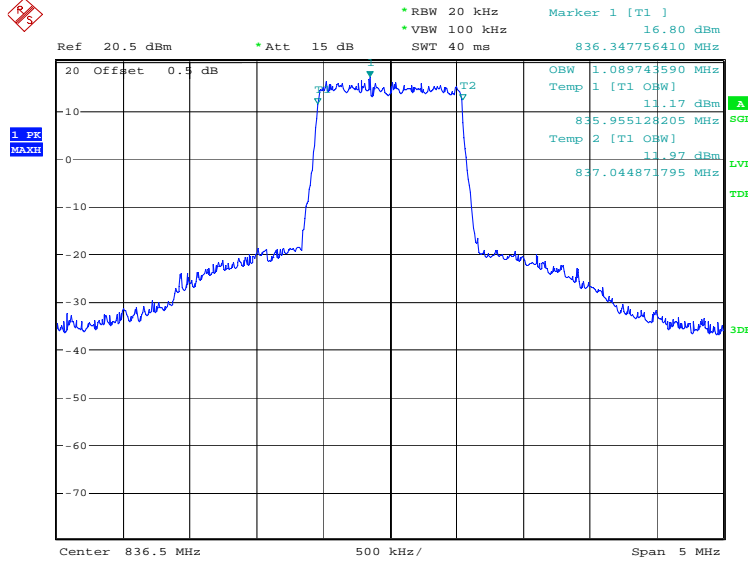


Date: 4.MAR.2022 10:49:45

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

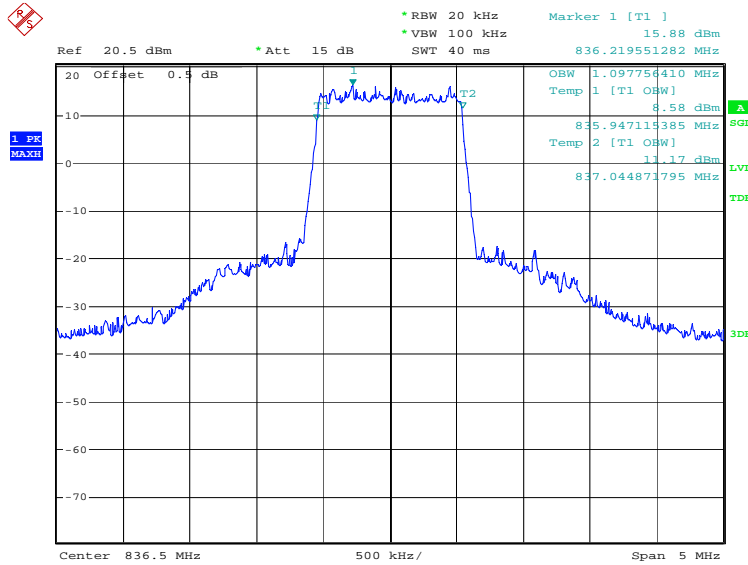
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 4.MAR.2022 10:37:21

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

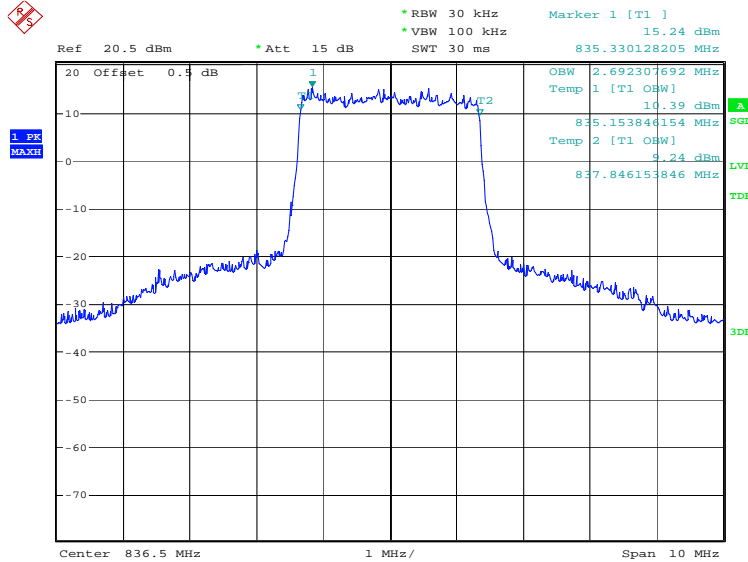


Date: 4.MAR.2022 10:38:01

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

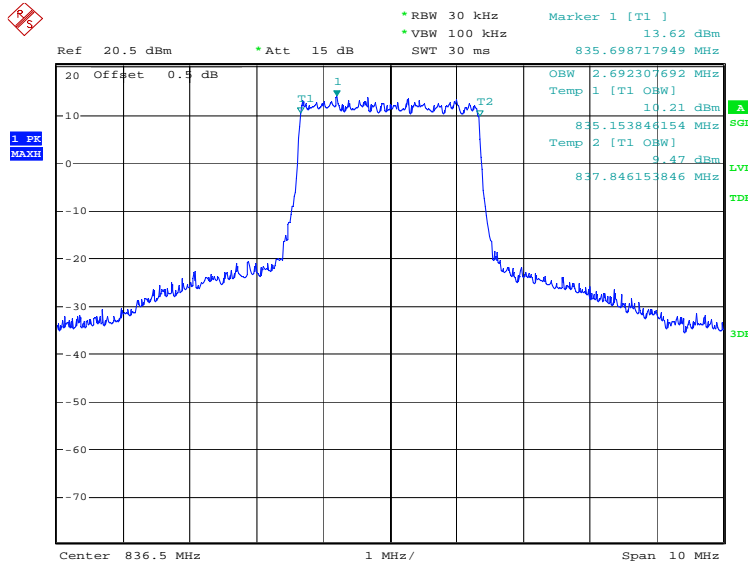
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 4.MAR.2022 10:38:44

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

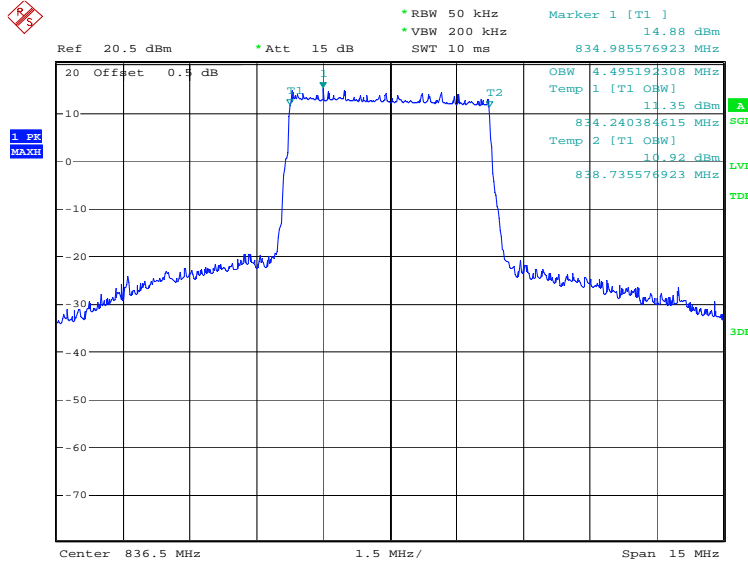


Date: 4.MAR.2022 10:39:23

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

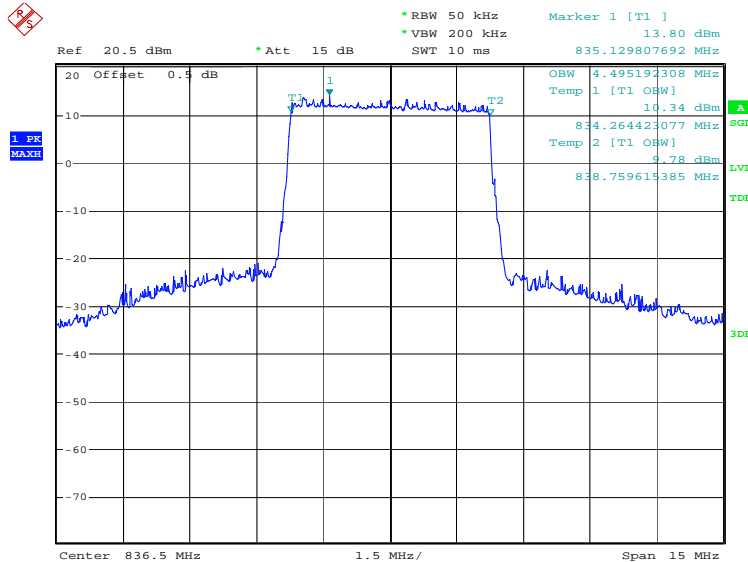
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	4495.19	4495.19

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



Date: 4.MAR.2022 10:40:06

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

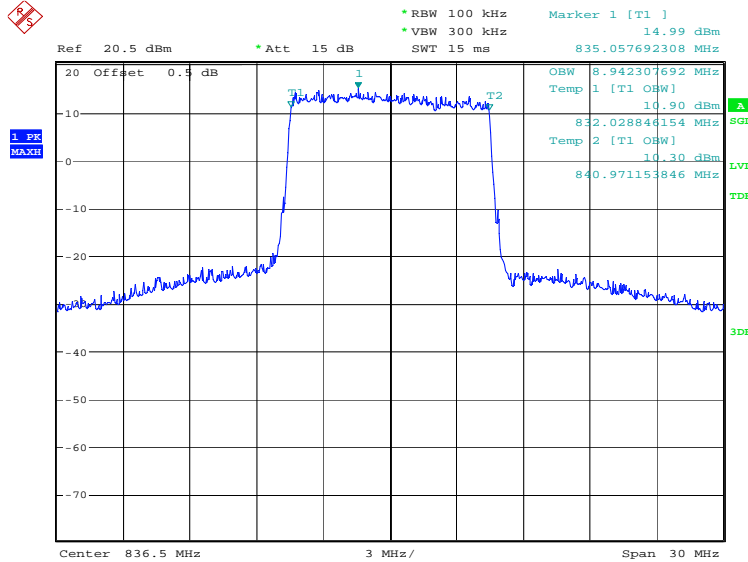


Date: 4.MAR.2022 10:40:46

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

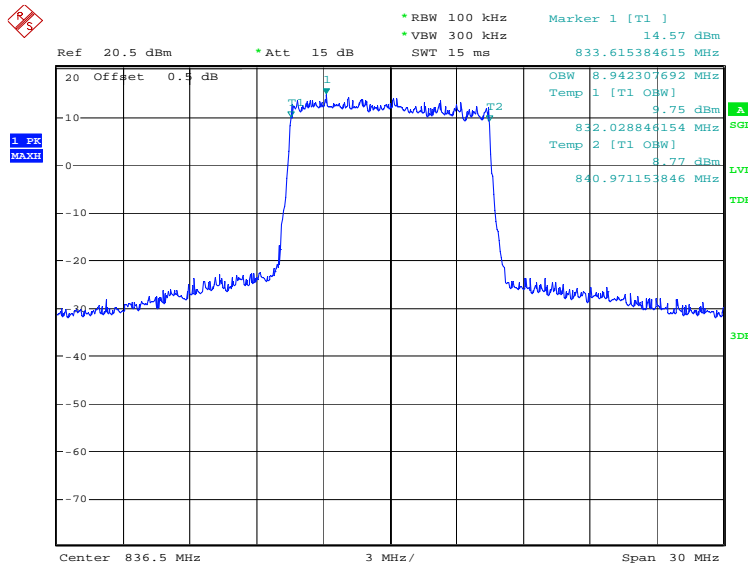
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 4.MAR.2022 10:41:29

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



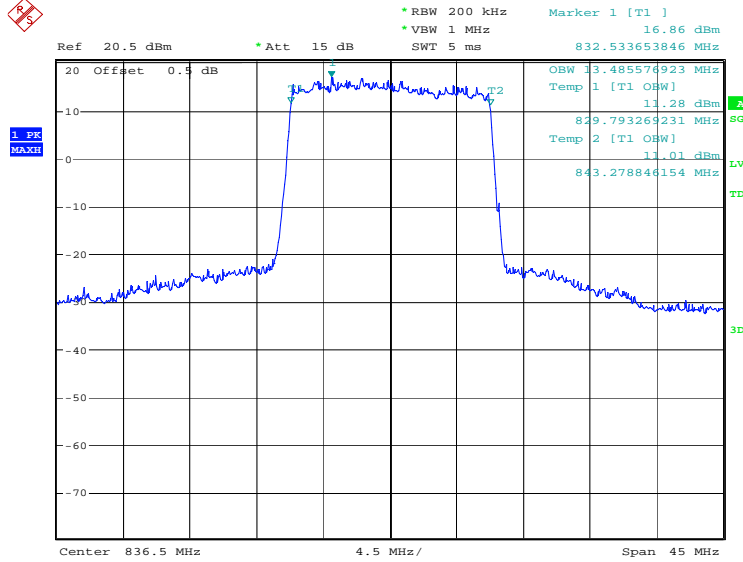
Date: 4.MAR.2022 10:42:08



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

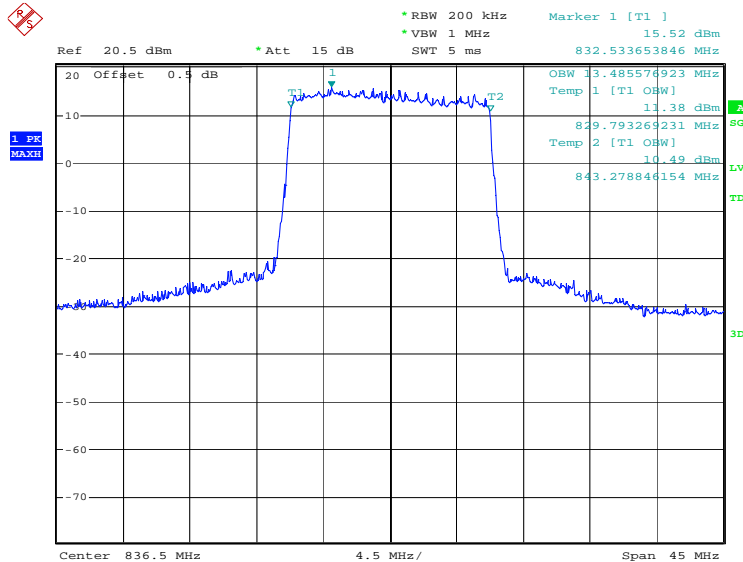
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 4.MAR.2022 10:42:52

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

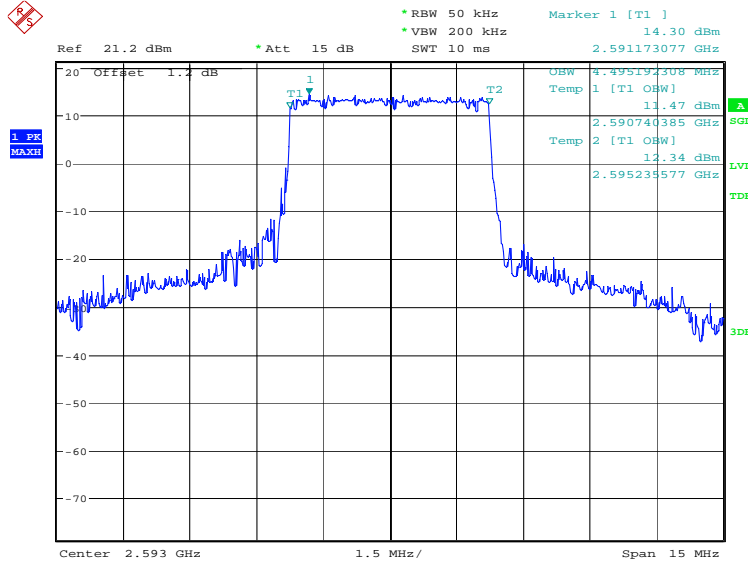


Date: 4.MAR.2022 10:43:31

**LTE band 41, 5MHz (99%)**

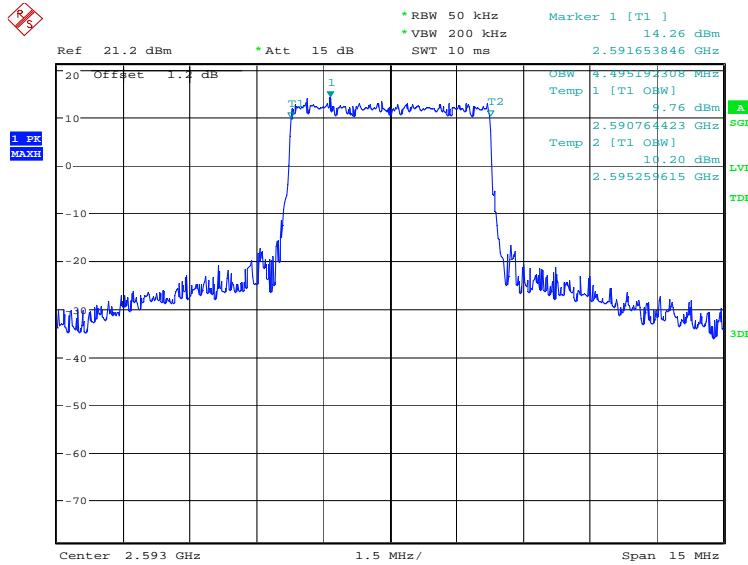
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 5.MAR.2022 13:01:46

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

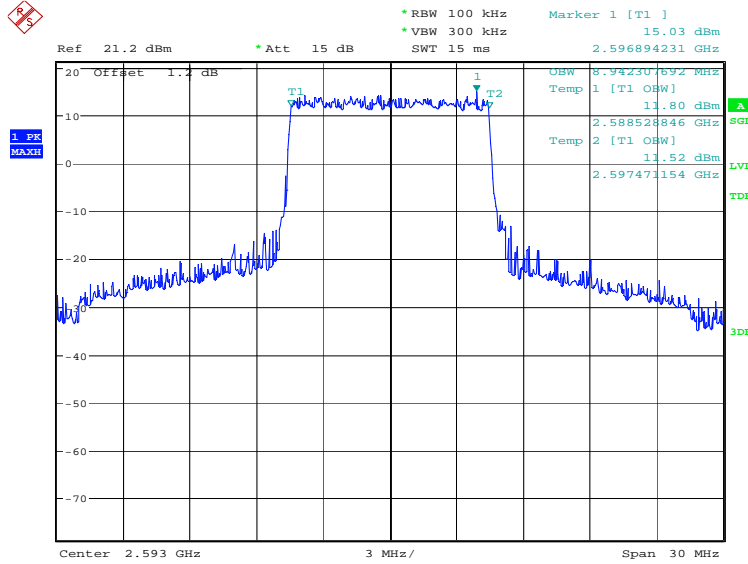


Date: 5.MAR.2022 13:02:26

**LTE band 41, 10MHz (99%)**

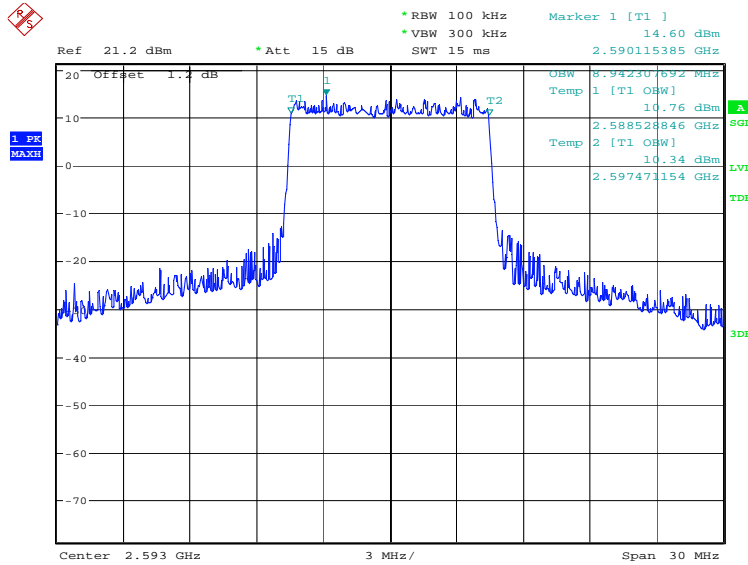
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 5.MAR.2022 13:03:09

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

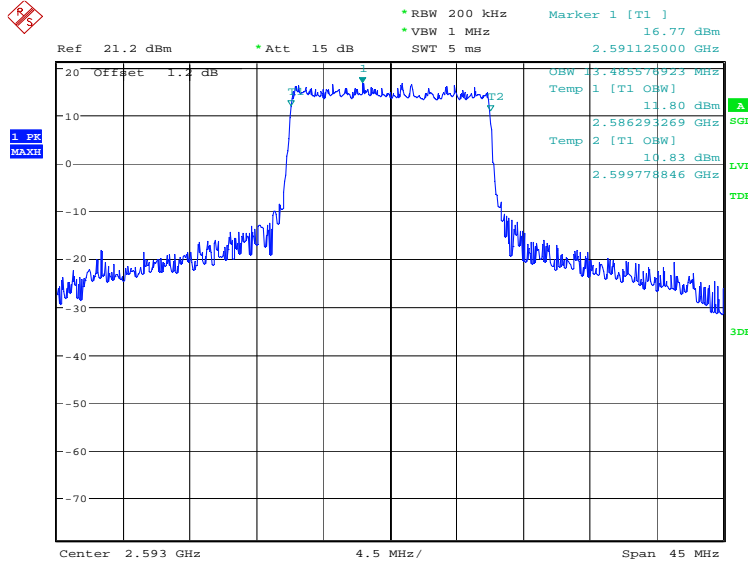


Date: 5.MAR.2022 13:03:49

**LTE band 41, 15MHz (99%)**

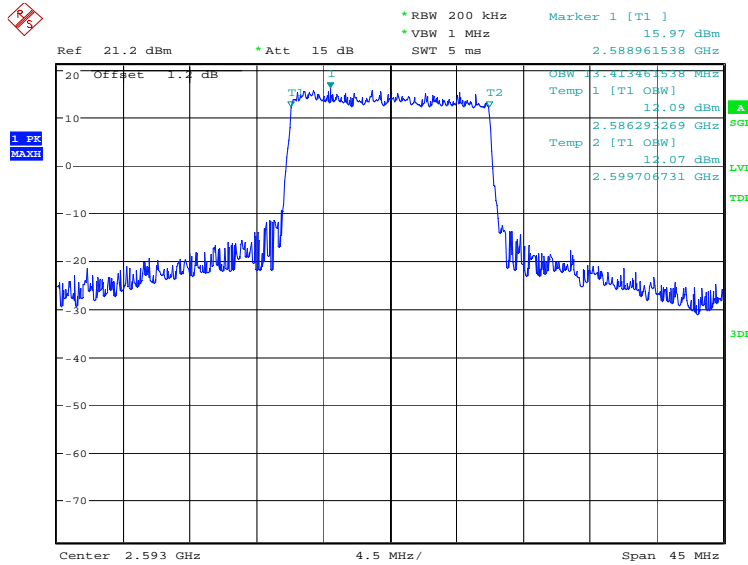
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13413.46

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



Date: 5.MAR.2022 13:04:32

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

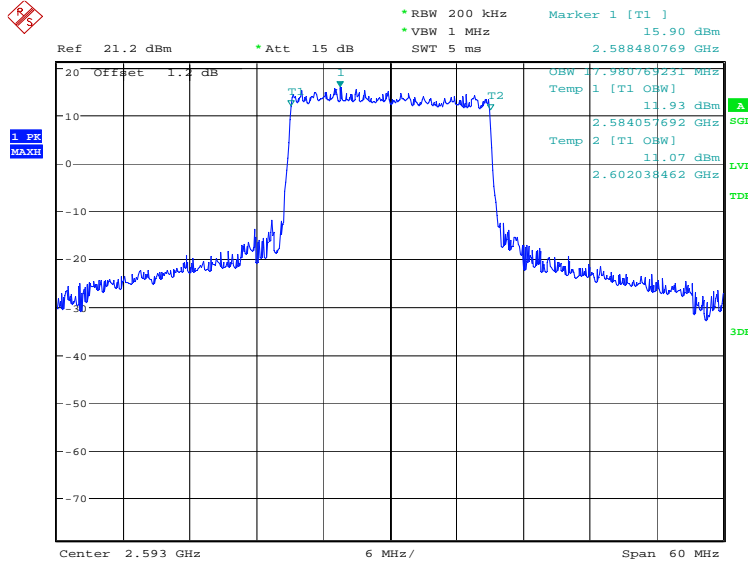


Date: 5.MAR.2022 13:05:11

**LTE band 41, 20MHz (99%)**

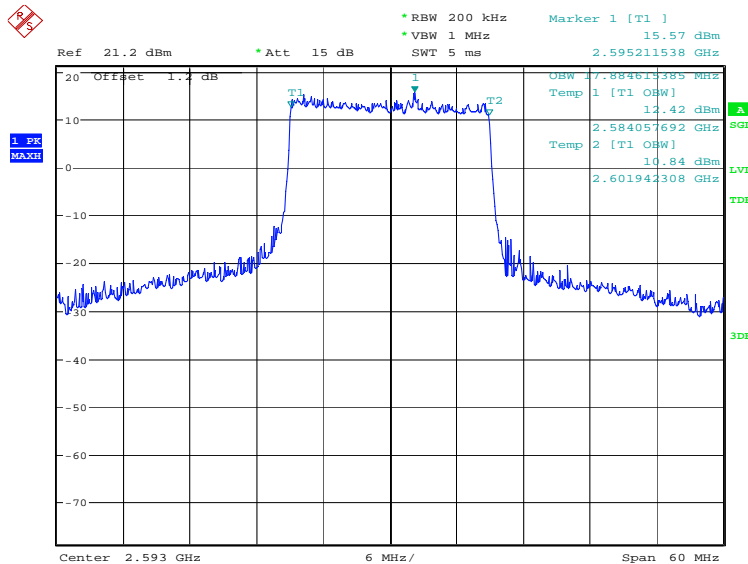
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	17980.77	17884.62

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



Date: 5.MAR.2022 13:05:55

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

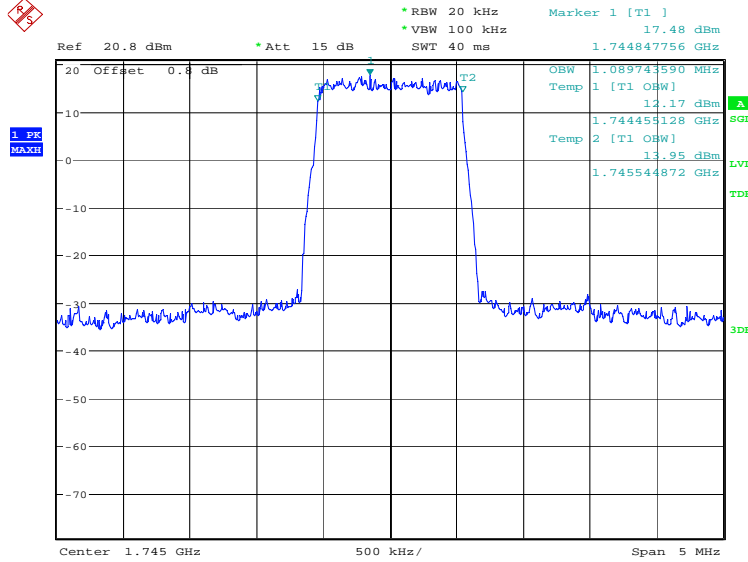


Date: 5.MAR.2022 13:06:34

**LTE band 66, 1.4MHz (99%)**

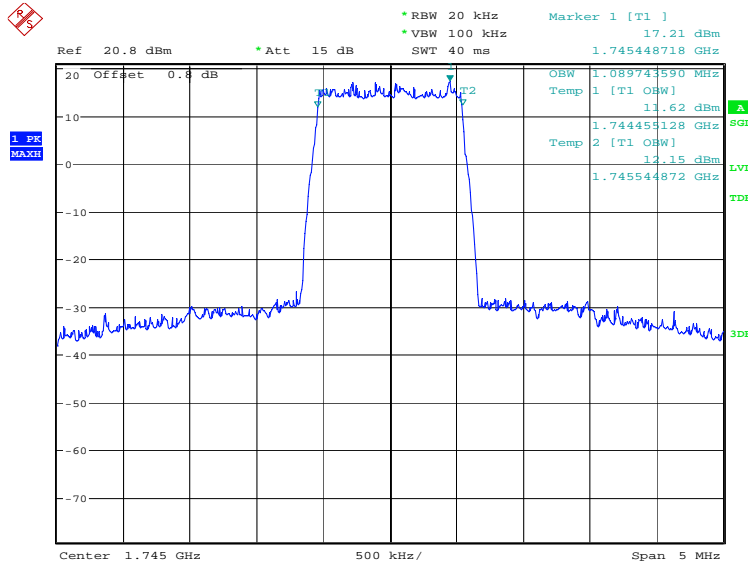
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 4.MAR.2022 10:50:32

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

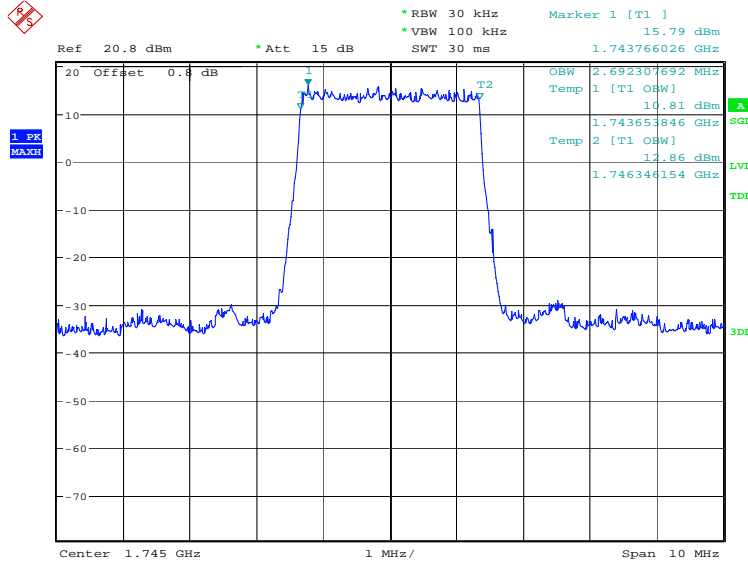


Date: 4.MAR.2022 10:51:11

**LTE band 66, 3MHz (99%)**

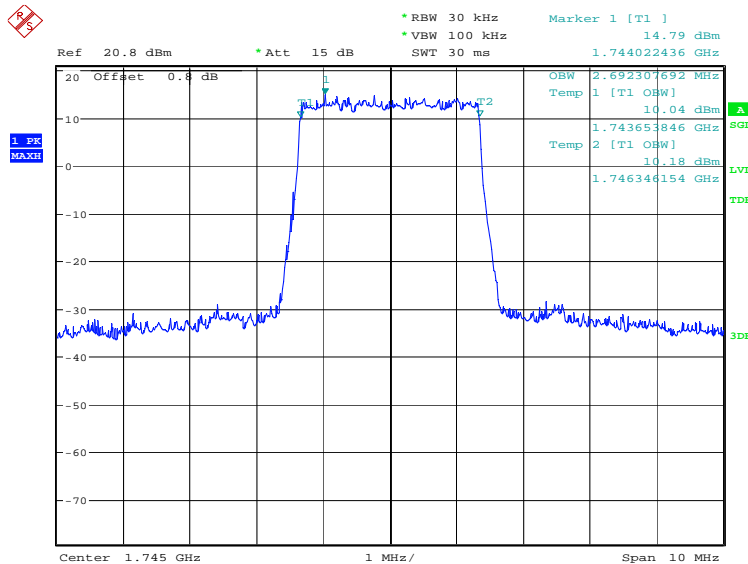
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 4.MAR.2022 10:51:55

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

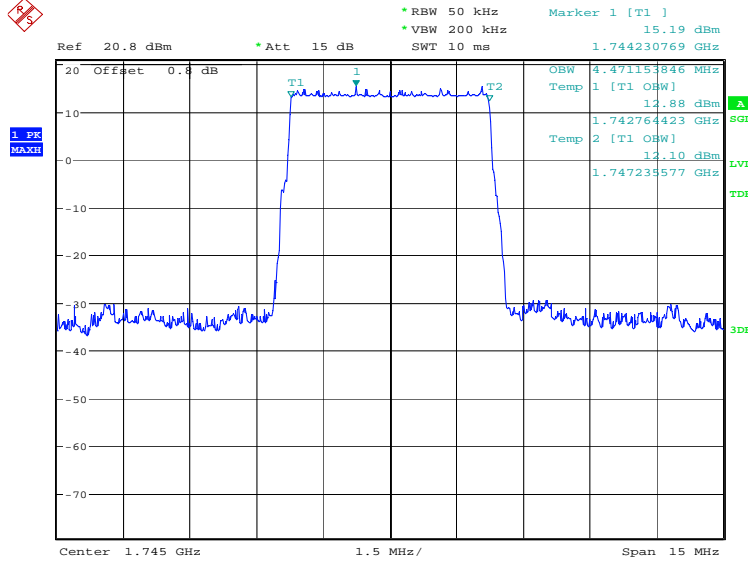


Date: 4.MAR.2022 10:52:34

**LTE band 66, 5MHz (99%)**

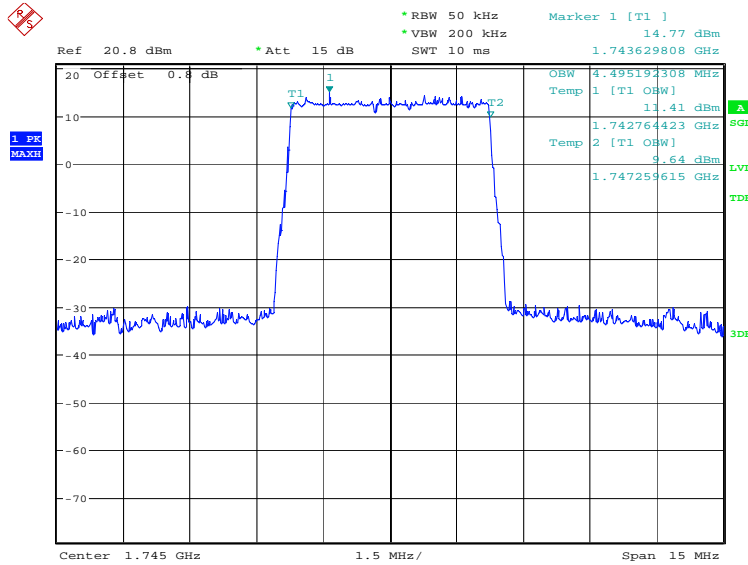
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	4471.15	4495.19

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



Date: 4.MAR.2022 10:53:18

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



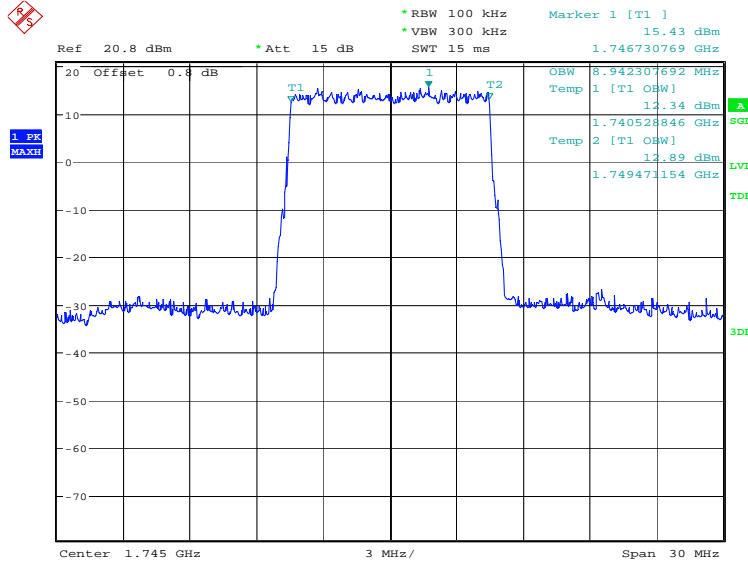
Date: 4.MAR.2022 10:53:57



**LTE band 66, 10MHz (99%)**

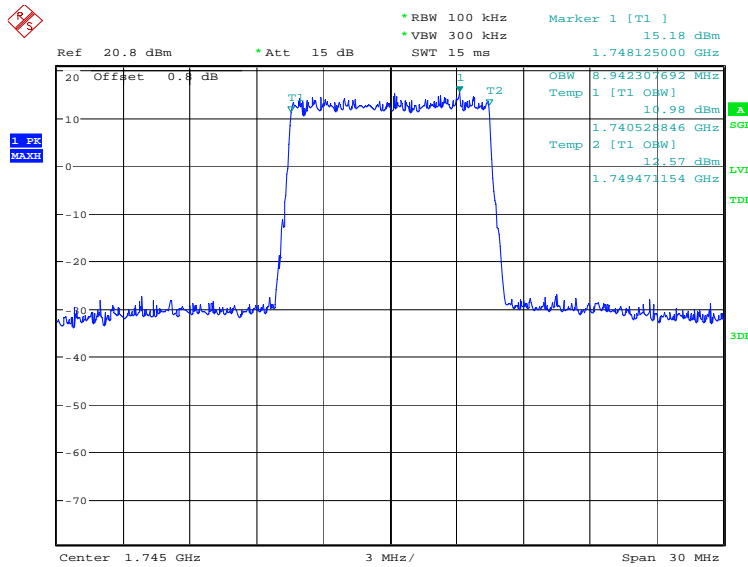
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 4.MAR.2022 10:54:40

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

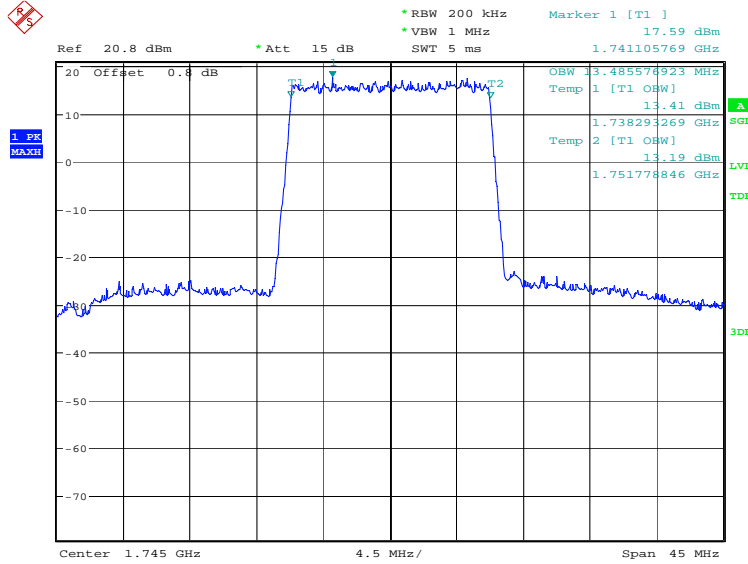


Date: 4.MAR.2022 10:55:20

**LTE band 66, 15MHz (99%)**

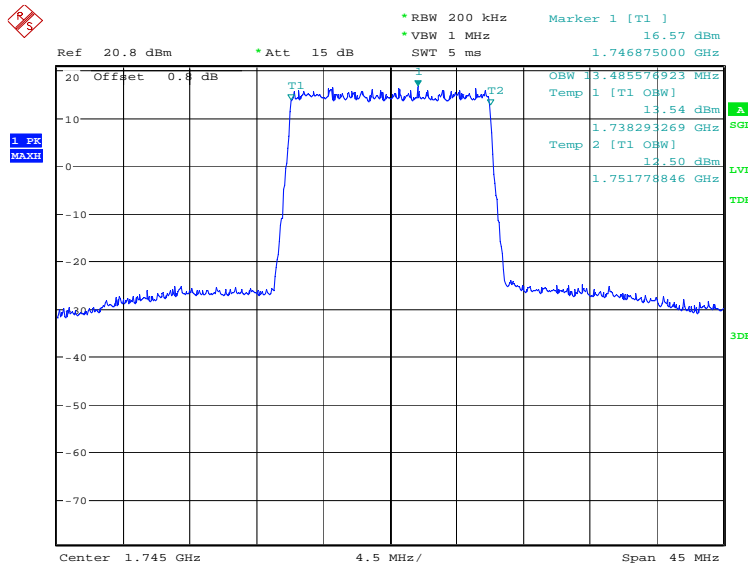
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 4.MAR.2022 10:56:04

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

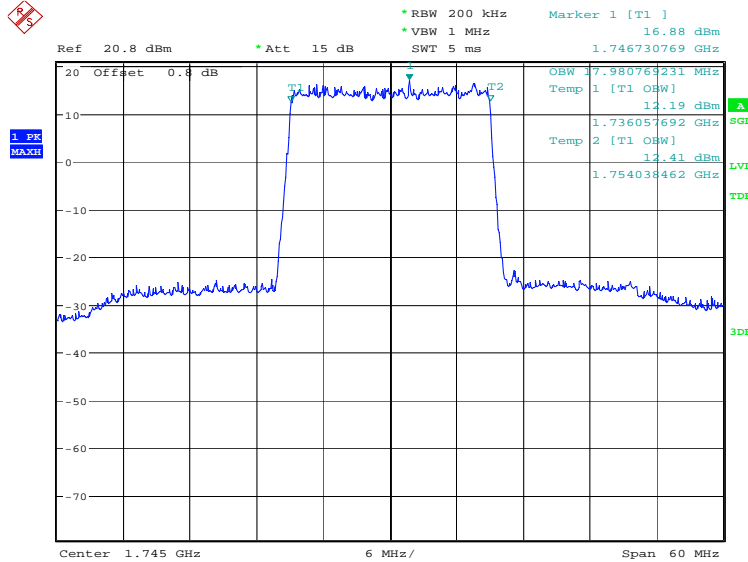


Date: 4.MAR.2022 10:56:43

**LTE band 66, 20MHz (99%)**

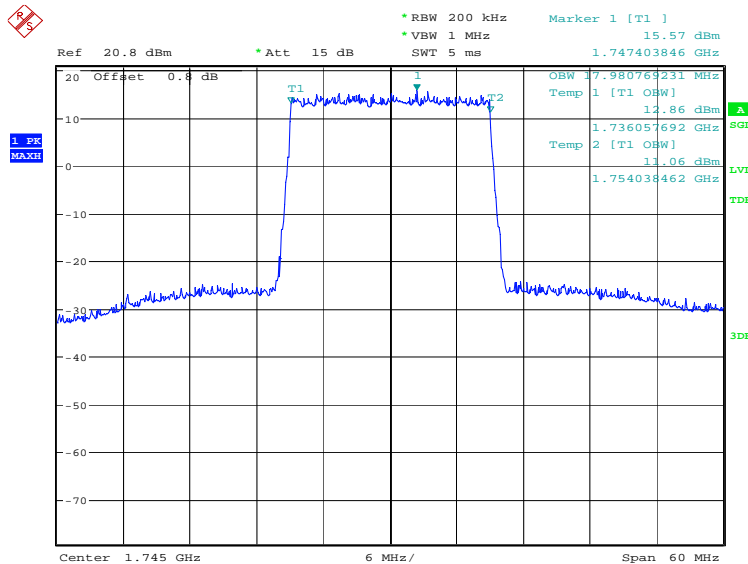
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 4.MAR.2022 10:57:26

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

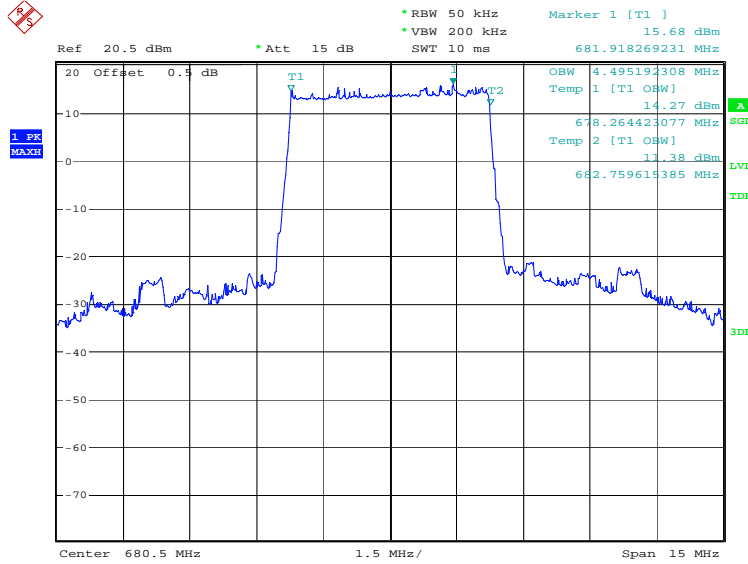


Date: 4.MAR.2022 10:58:06

**LTE band 71, 5MHz (99%)**

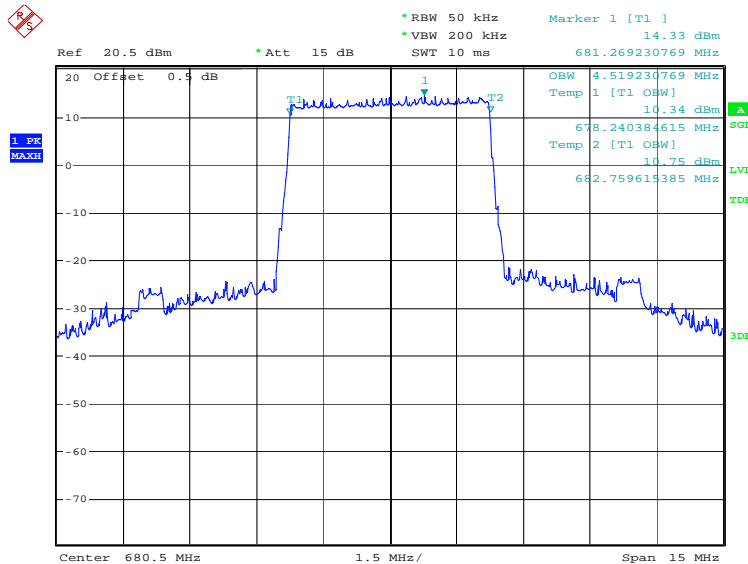
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	4495.19	4519.23

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



Date: 4.MAR.2022 13:34:03

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

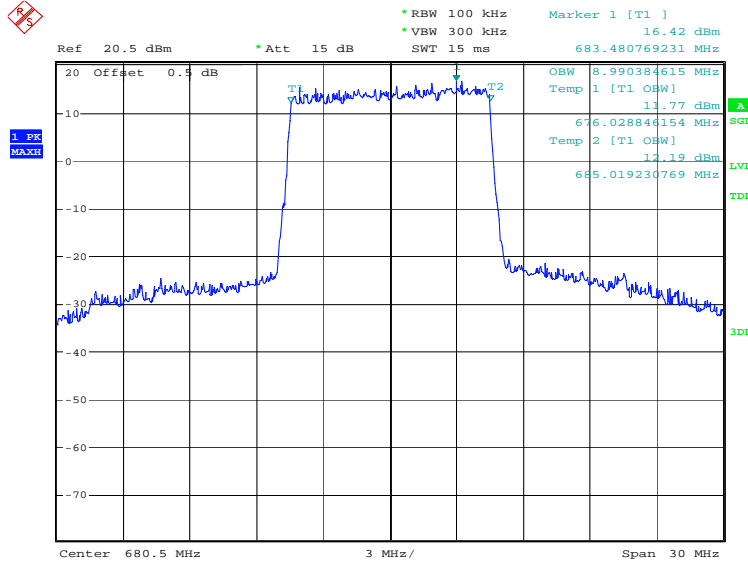


Date: 4.MAR.2022 13:34:43

**LTE band 71, 10MHz (99%)**

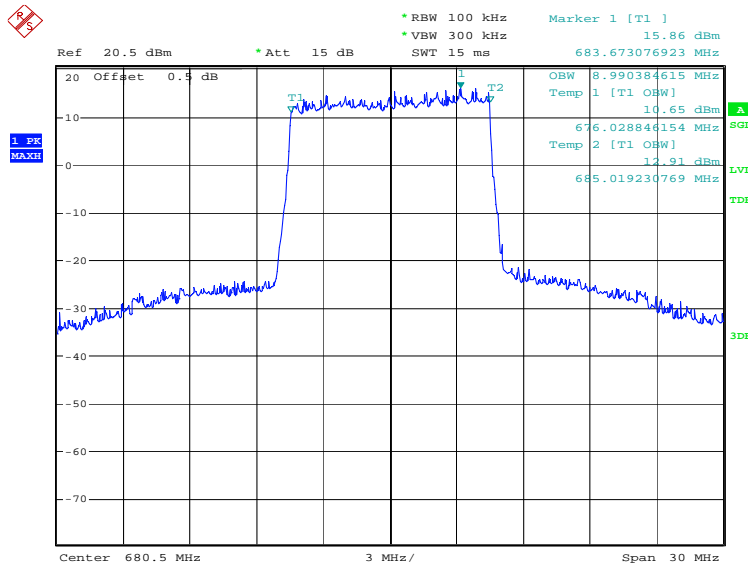
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	8990.38	8990.38

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



Date: 4.MAR.2022 13:35:28

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

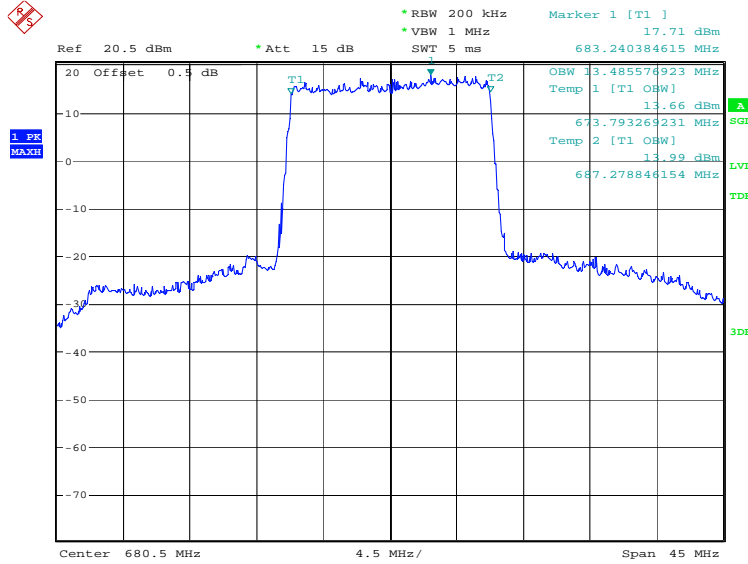


Date: 4.MAR.2022 13:36:07

**LTE band 71, 15MHz (99%)**

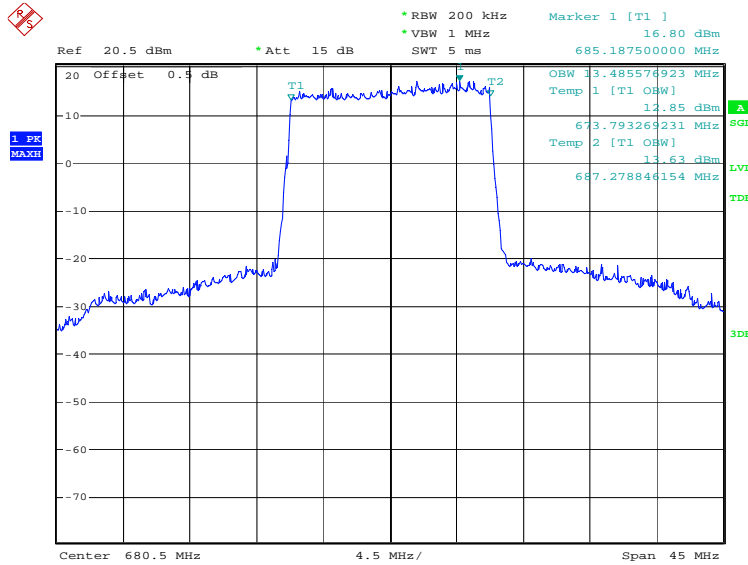
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 4.MAR.2022 13:36:52

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

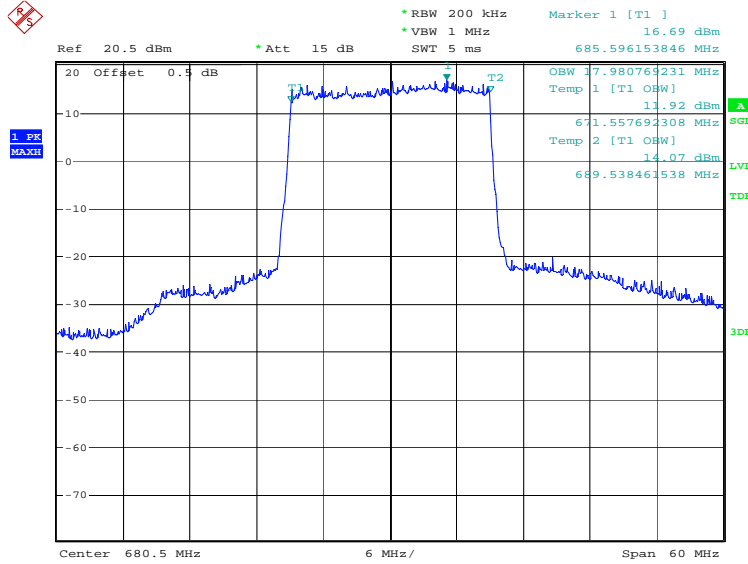


Date: 4.MAR.2022 13:37:31

**LTE band 71, 20MHz (99%)**

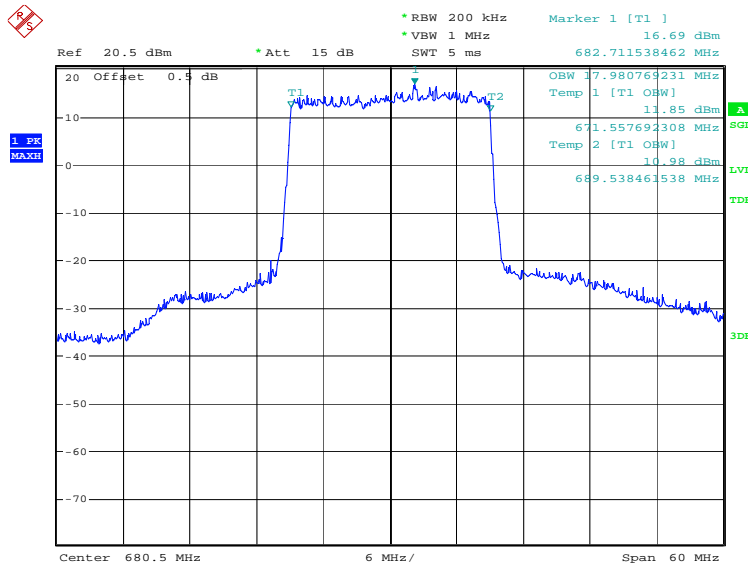
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	17980.77	17980.77

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



Date: 4.MAR.2022 13:38:15

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

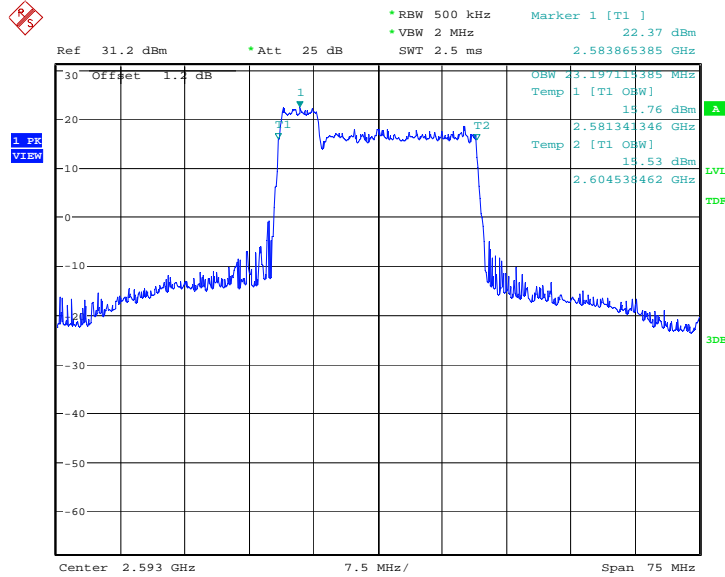


Date: 4.MAR.2022 13:38:55

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

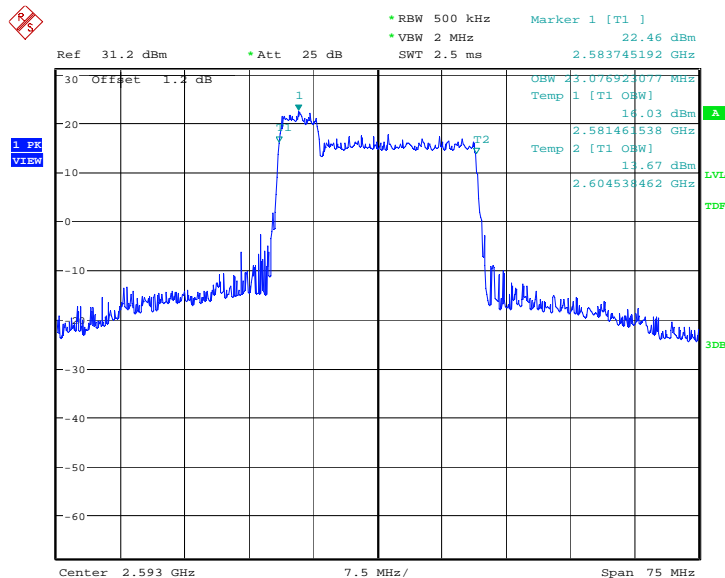
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2583.8	23.197	23.077

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



Date: 9.MAR.2022 15:05:10

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



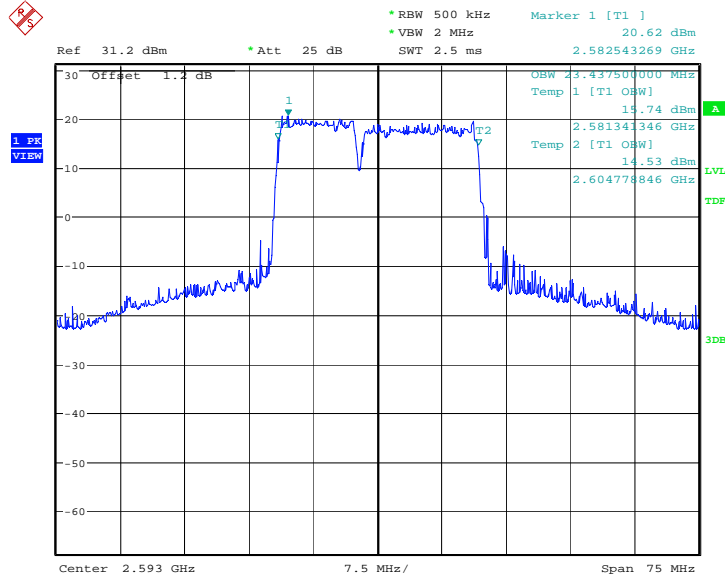
Date: 9.MAR.2022 15:05:33



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

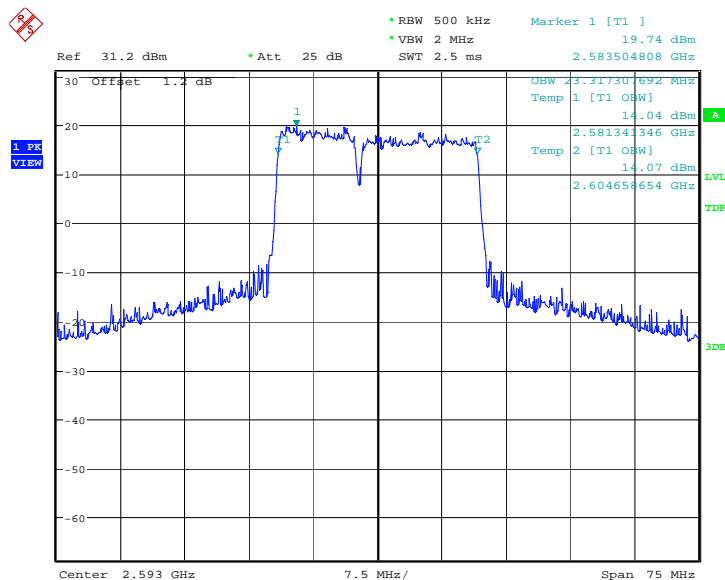
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2585.9	23.438	23.317

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



Date: 9.MAR.2022 15:06:39

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

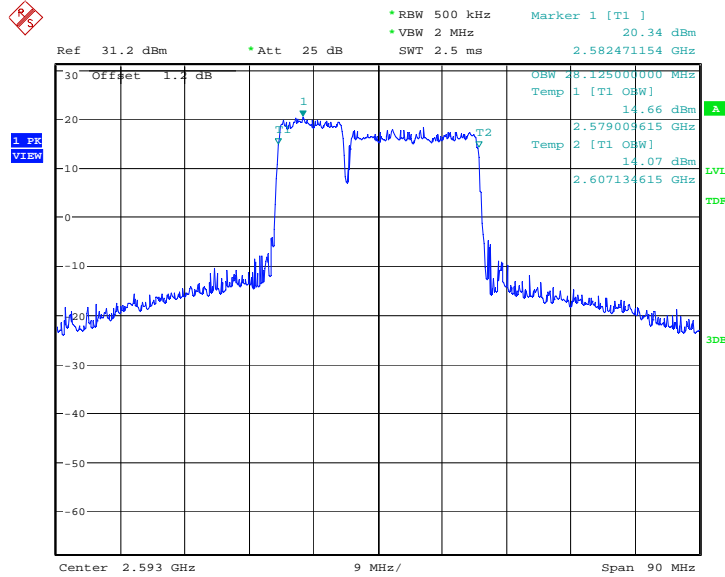


Date: 9.MAR.2022 15:07:02

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

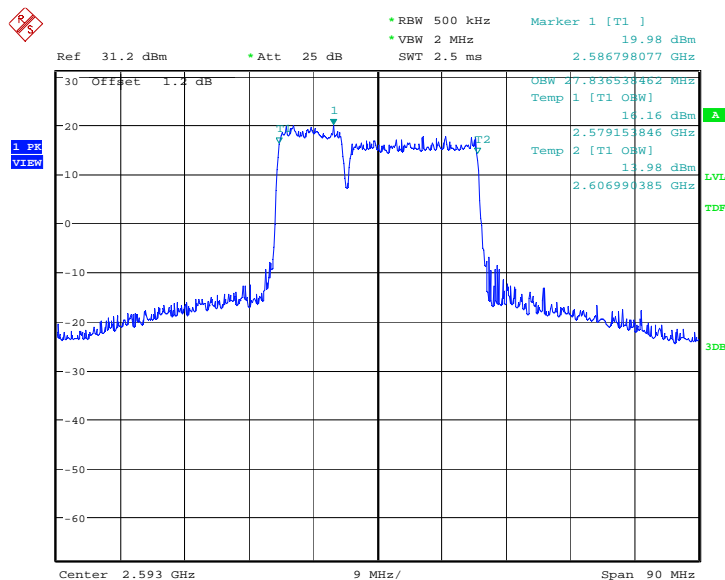
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2583.6	28.125	27.837

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



Date: 9.MAR.2022 15:08:05

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

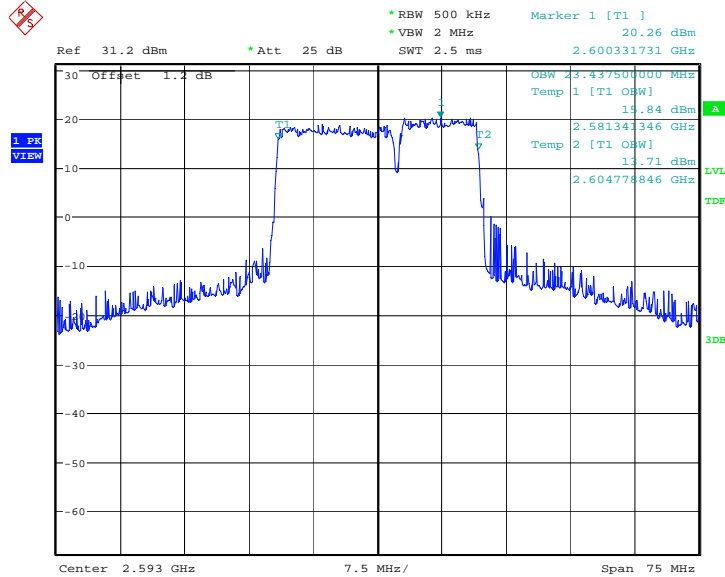


Date: 9.MAR.2022 15:08:28

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

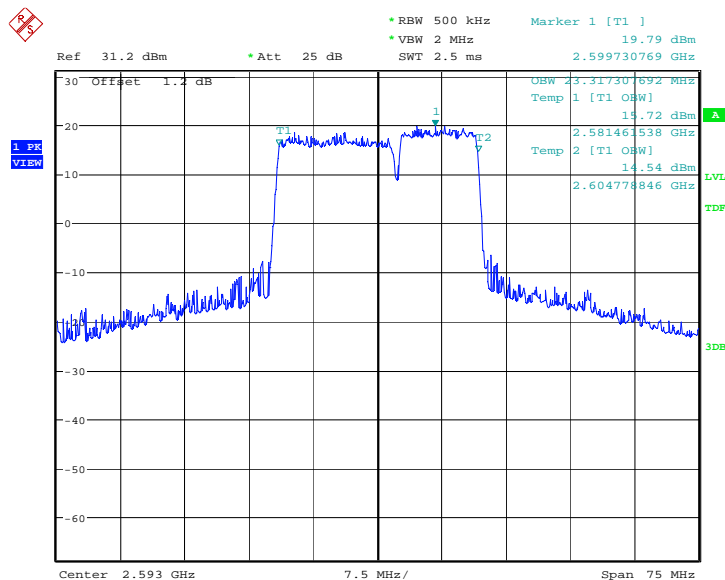
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2588.1	23.438	23.317

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



Date: 9.MAR.2022 15:09:34

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

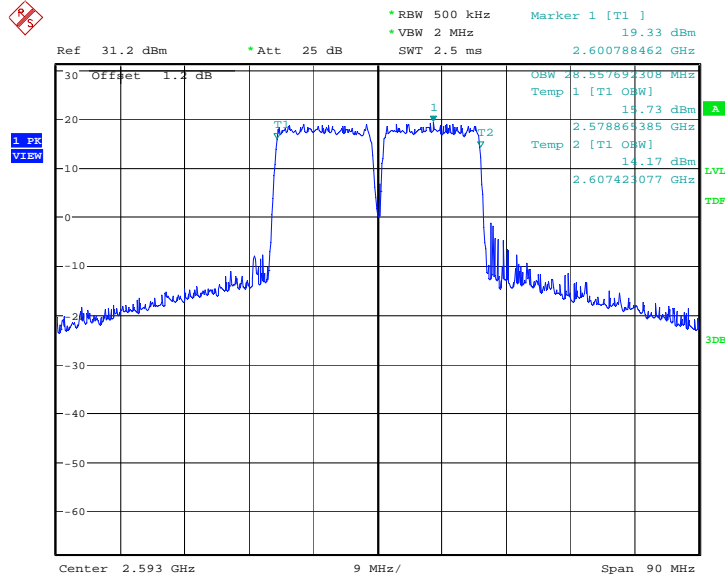


Date: 9.MAR.2022 15:09:57

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

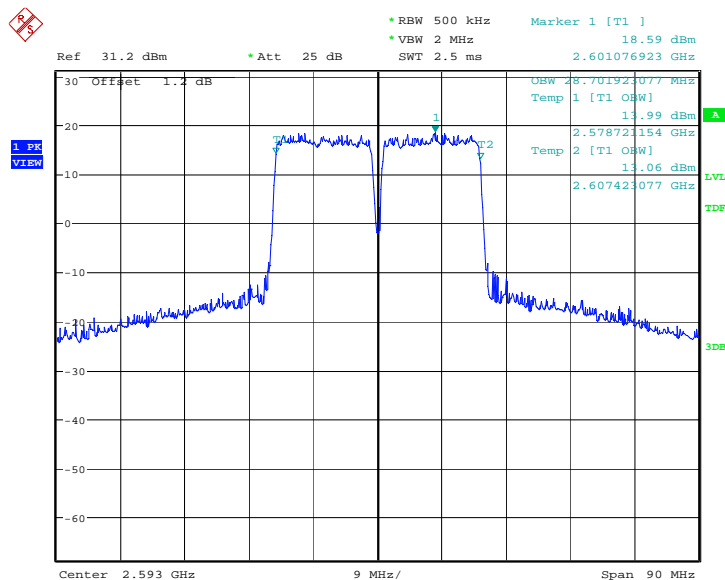
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2585.5	28.558	28.702

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



Date: 9.MAR.2022 15:10:59

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

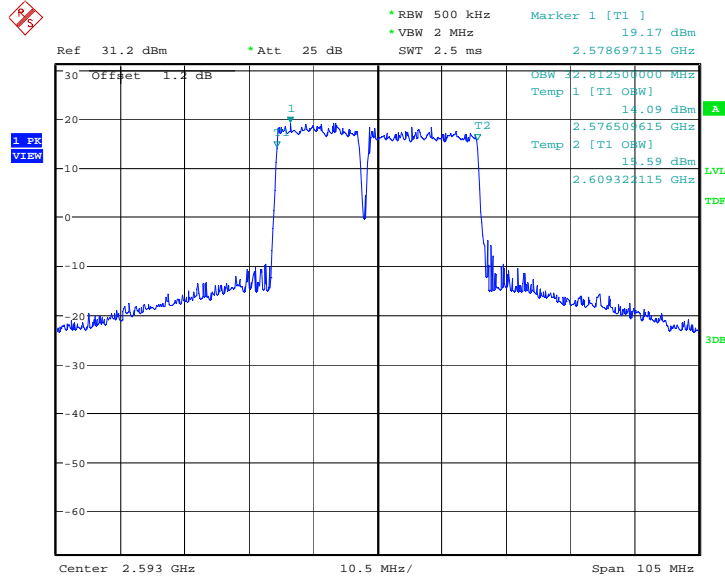


Date: 9.MAR.2022 15:11:23

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

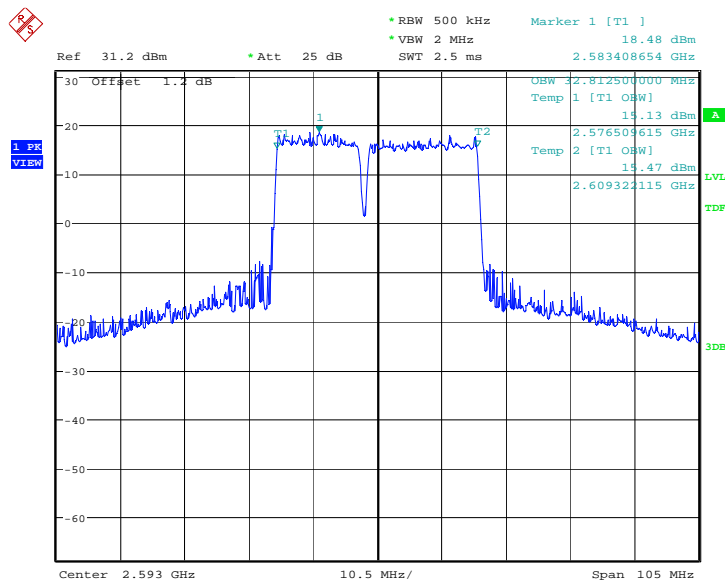
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2583.3	32.812	32.812

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



Date: 9.MAR.2022 15:12:25

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

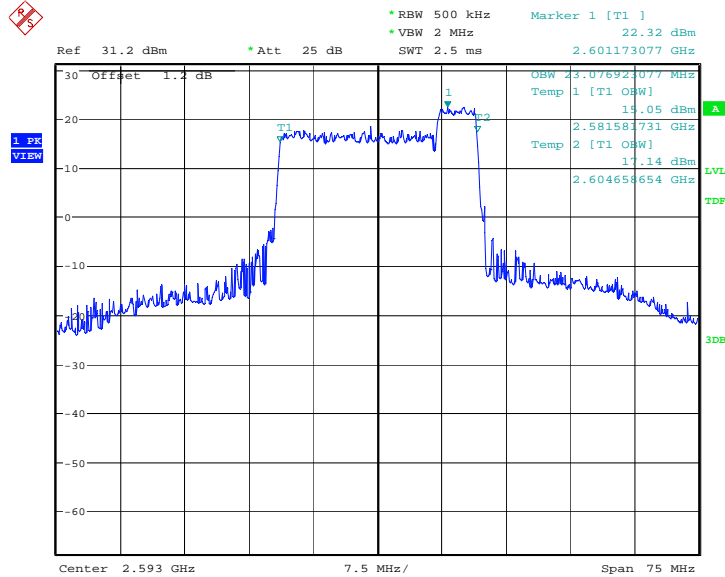


Date: 9.MAR.2022 15:12:49

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

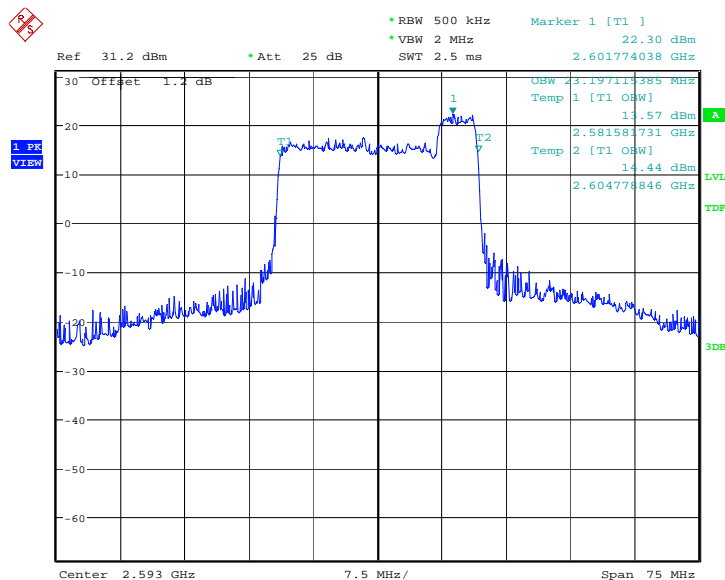
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2590.5	23.077	23.197

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



Date: 9.MAR.2022 15:13:54

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

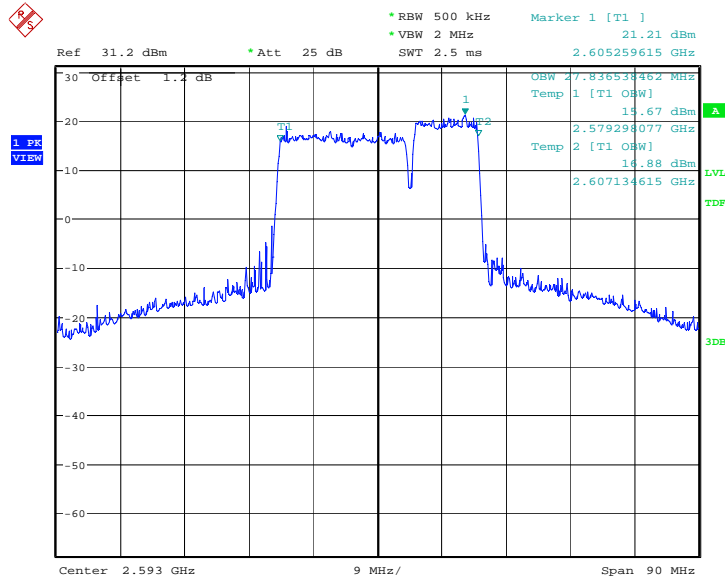


Date: 9.MAR.2022 15:14:18

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

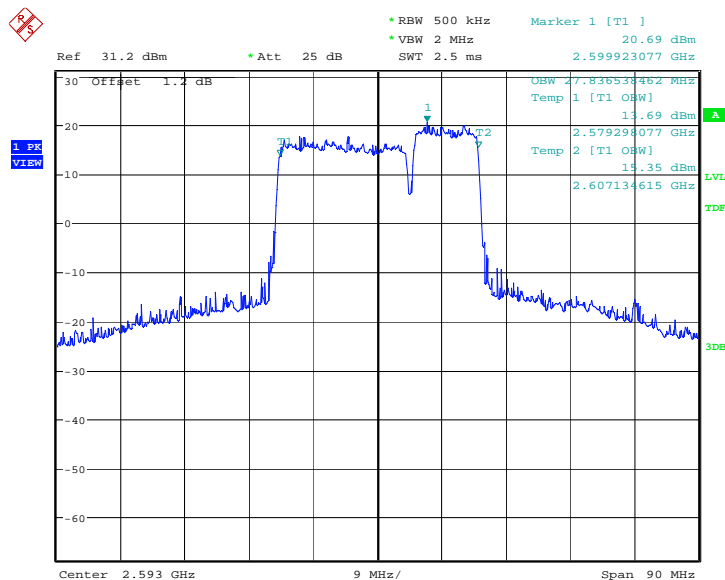
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2588.1	27.837	27.837

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



Date: 9.MAR.2022 15:15:20

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

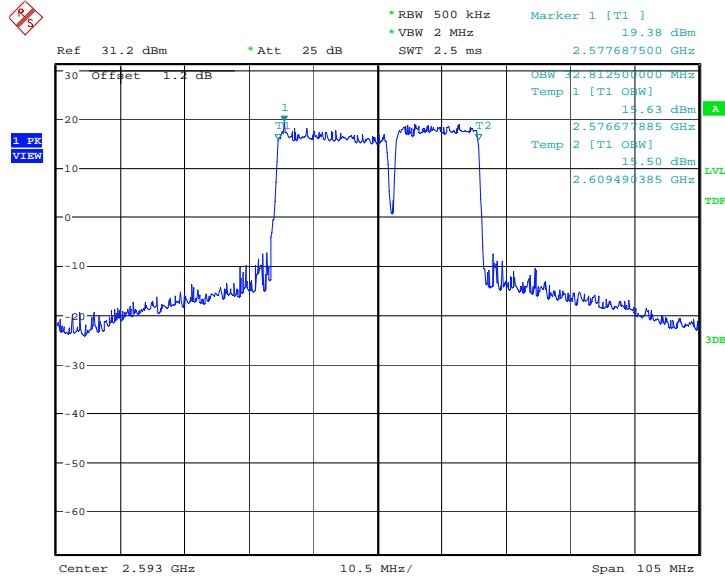


Date: 9.MAR.2022 15:15:43

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

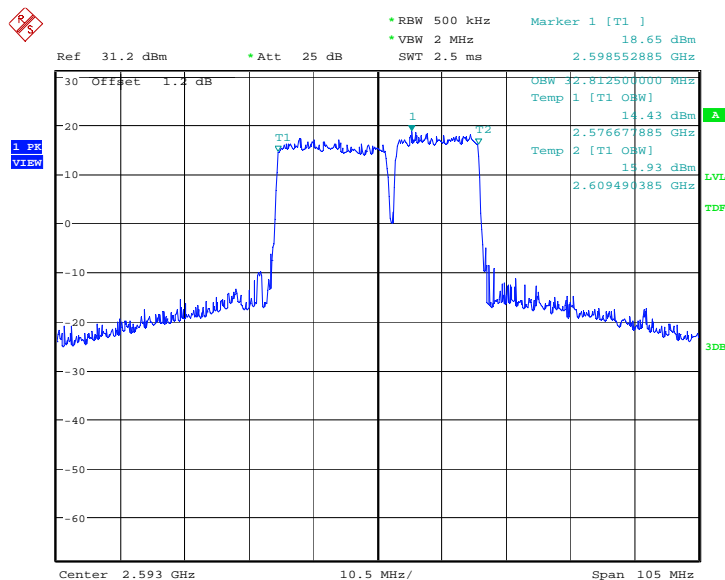
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2585.6	32.812	32.812

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



Date: 9.MAR.2022 15:16:46

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



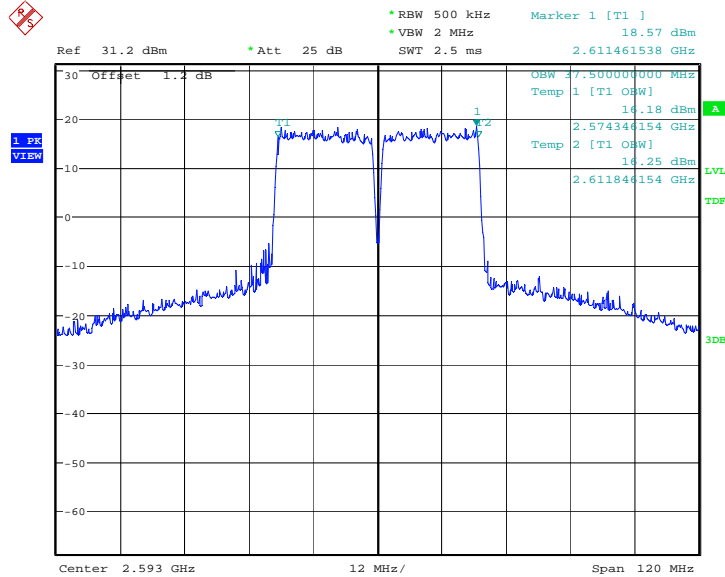
Date: 9.MAR.2022 15:17:09



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

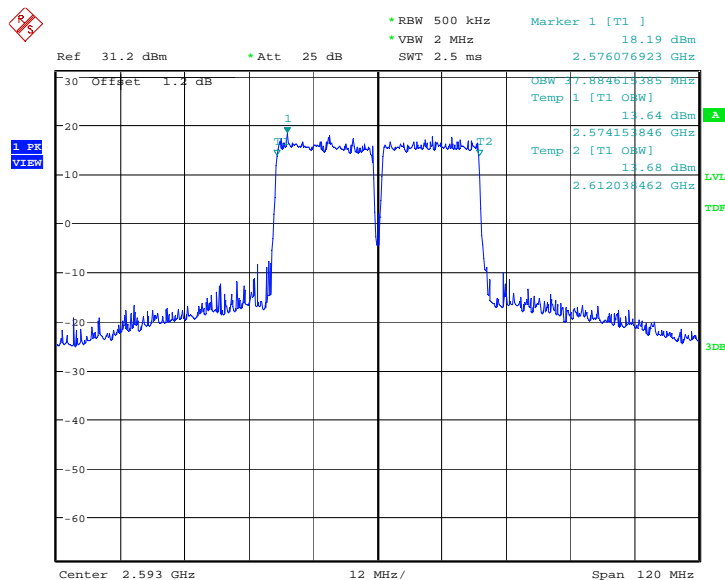
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2583.1	37.500	37.885

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



Date: 9.MAR.2022 15:18:12

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

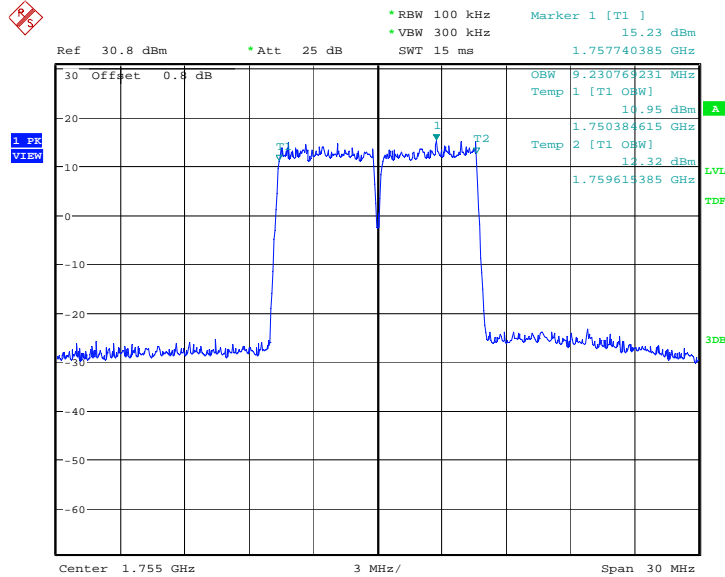


Date: 9.MAR.2022 15:18:35

**LTE CA Band 66B , 5MHz+5MHz (99%)**

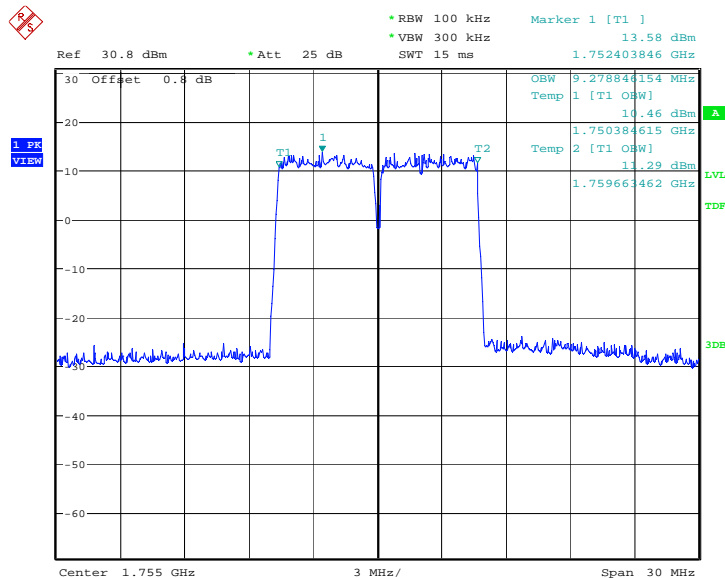
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1752.6	9.231	9.279

**LTE CA Band 66B , 5MHz+5MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:12:00

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

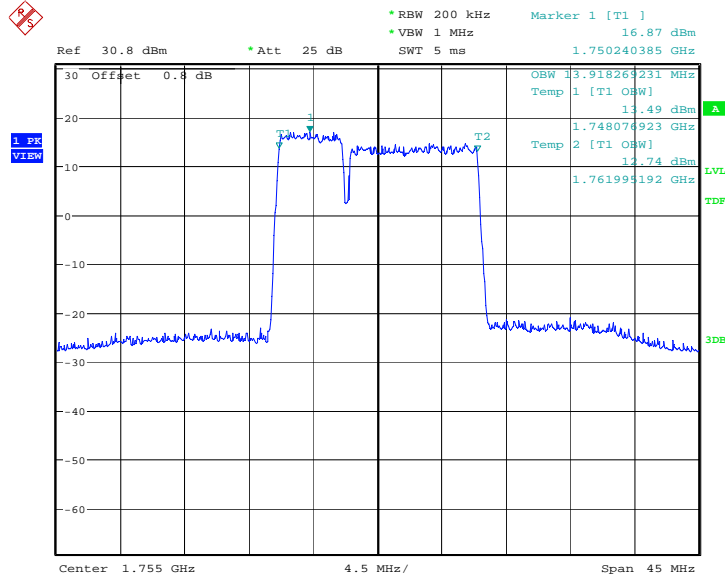


Date: 9.MAR.2022 16:12:23

**LTE CA Band 66B , 5MHz+10MHz (99%)**

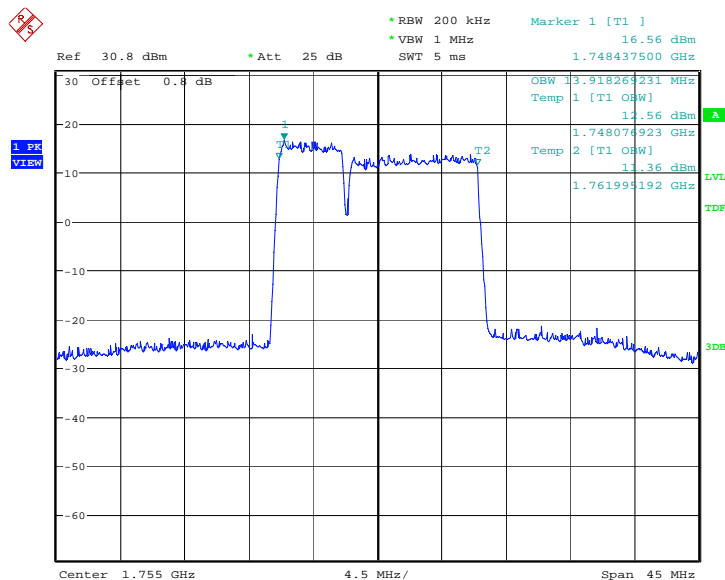
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1750.3	13.918	13.918

**LTE CA Band 66B , 5MHz+10MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:13:26

**LTE CA Band 66B , 5MHz+10MHz Bandwidth, 16QAM (99% BW)**

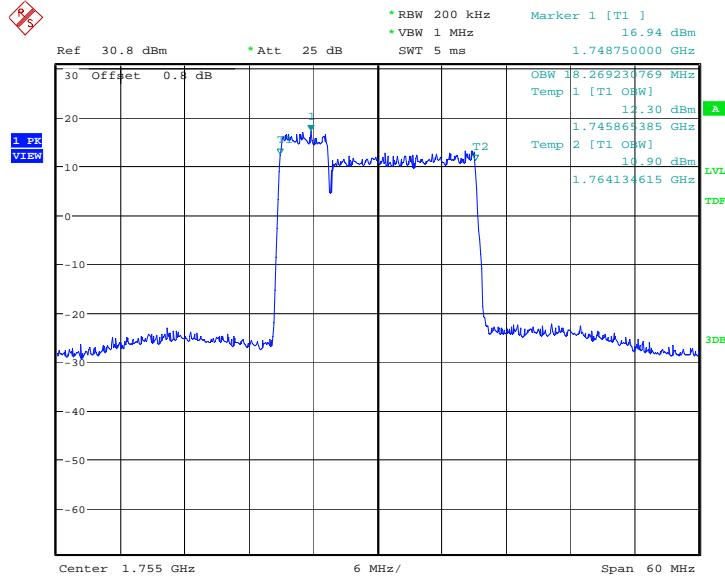


Date: 9.MAR.2022 16:13:49

**LTE CA Band 66B , 5MHz+15MHz (99%)**

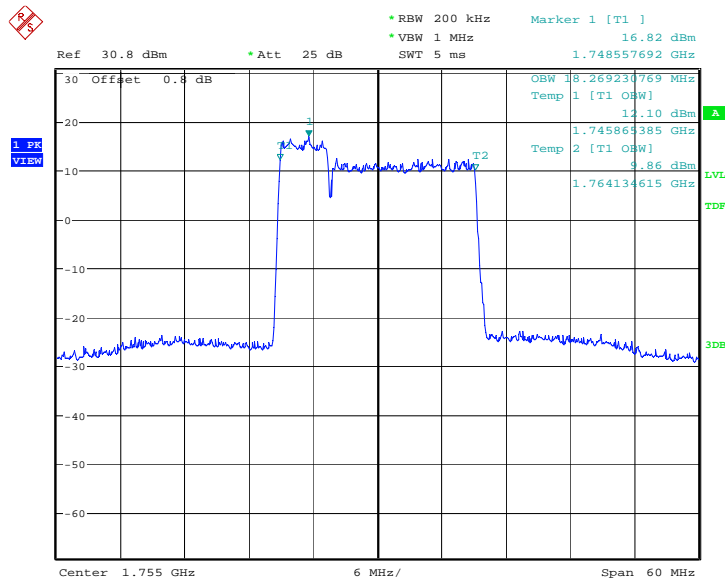
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1748.1	18.269	18.269

**LTE CA Band 66B , 5MHz+15MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:14:52

**LTE CA Band 66B , 5MHz+15MHz Bandwidth, 16QAM (99% BW)**

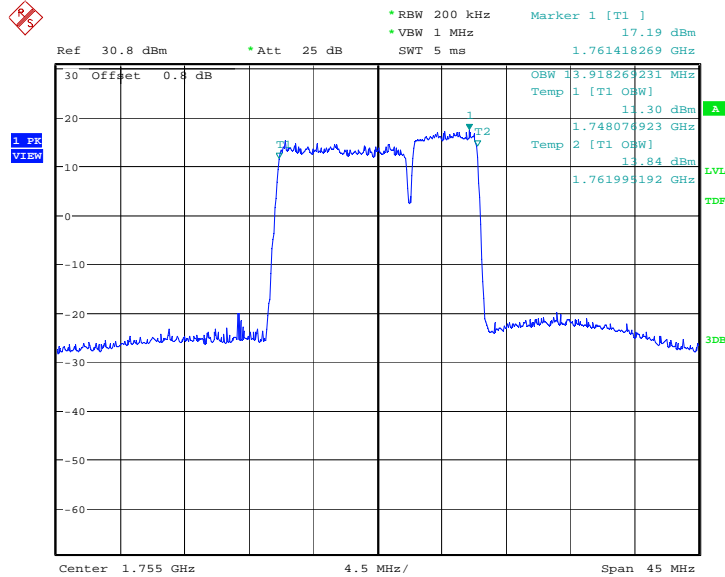


Date: 9.MAR.2022 16:15:15

**LTE CA Band 66B , 10MHz+5MHz (99%)**

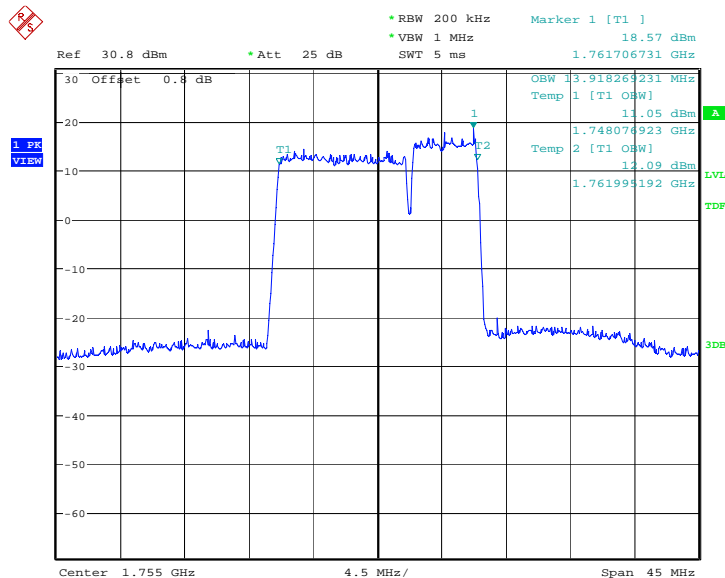
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1752.5	13.918	13.918

**LTE CA Band 66B , 10MHz+5MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:16:20

**LTE CA Band 66B , 10MHz+5MHz Bandwidth, 16QAM (99% BW)**

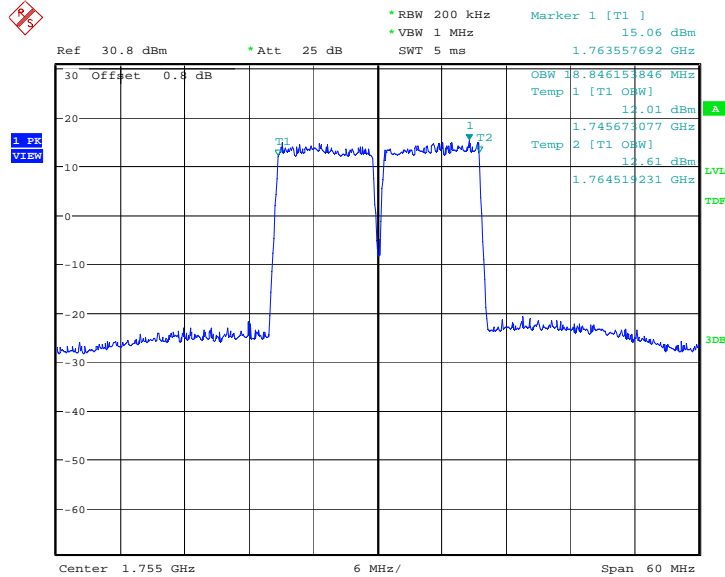


Date: 9.MAR.2022 16:16:43

**LTE CA Band 66B , 10MHz+10MHz (99%)**

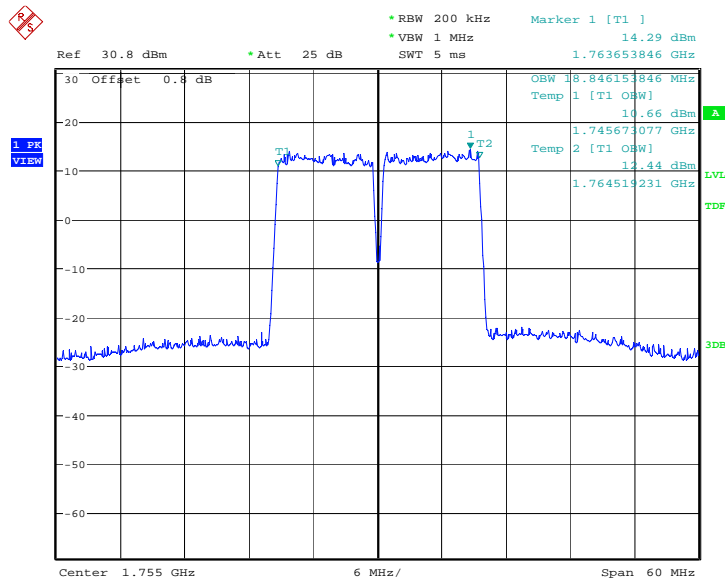
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1750.1	18.846	18.846

**LTE CA Band 66B , 10MHz+10MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:17:39

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

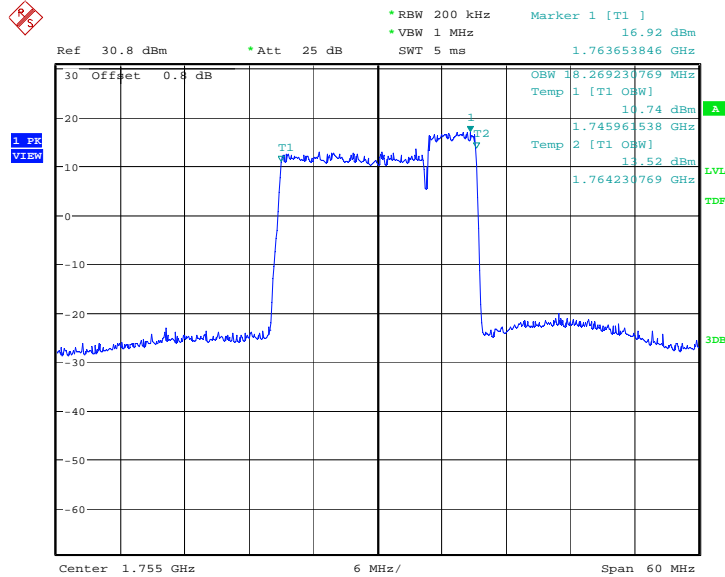


Date: 9.MAR.2022 16:18:02

**LTE CA Band 66B , 15MHz+5MHz (99%)**

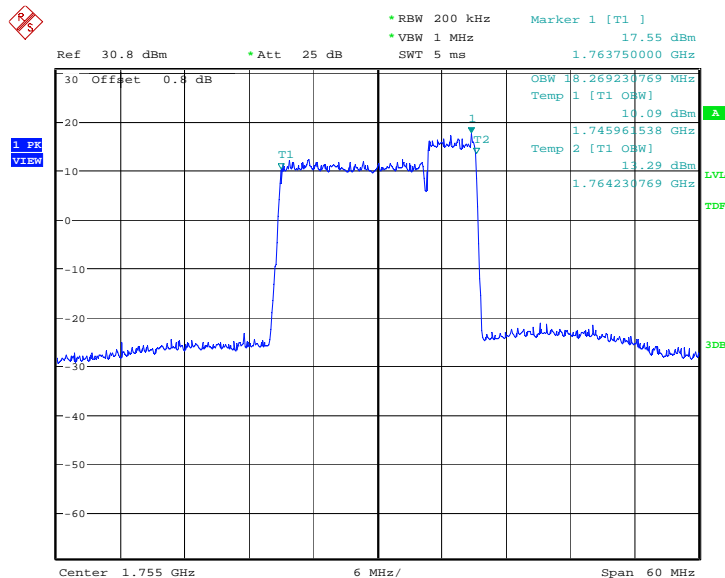
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1752.6	18.269	18.269

**LTE CA Band 66B , 15MHz+5MHz Bandwidth, QPSK (99% BW)**



Date: 9.MAR.2022 16:19:01

**LTE CA Band 66B , 15MHz+5MHz Bandwidth, 16QAM (99% BW)**

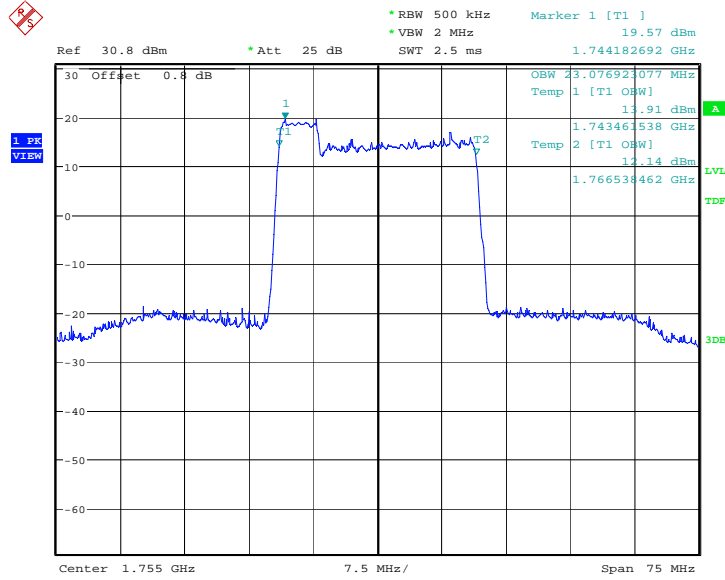


Date: 9.MAR.2022 16:19:24

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

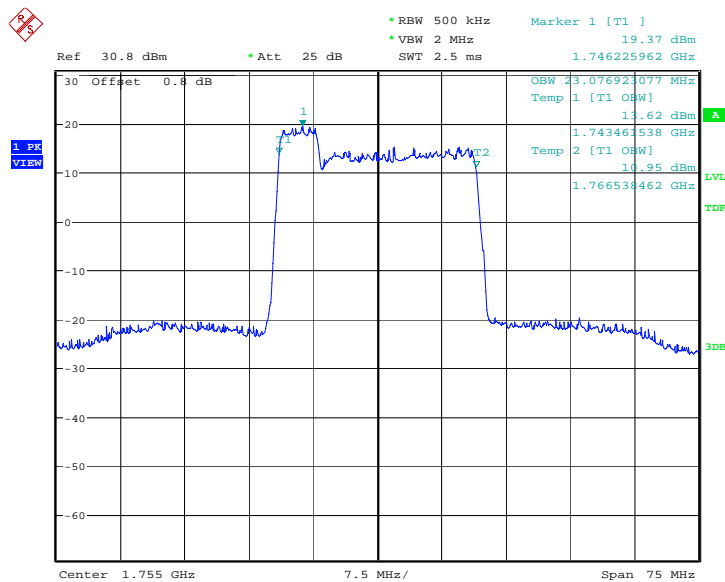
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1745.8	23.077	23.077

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



Date: 10.MAR.2022 10:43:05

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



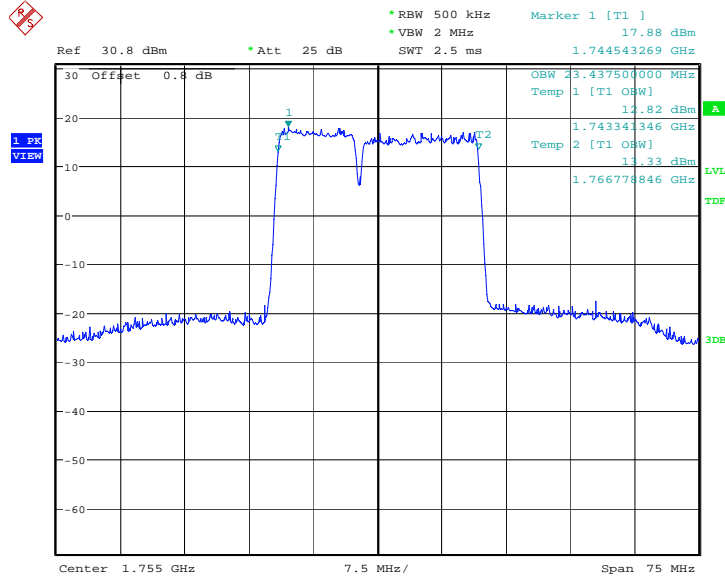
Date: 10.MAR.2022 10:43:32



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

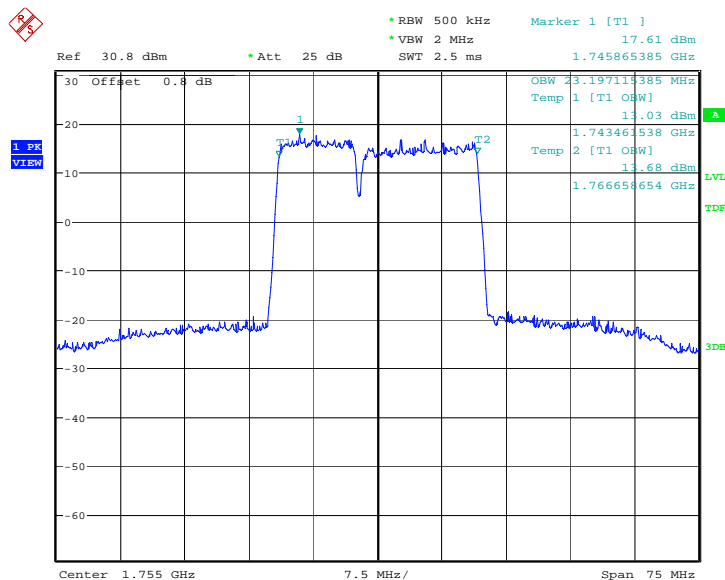
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1747.9	23.438	23.197

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



Date: 10.MAR.2022 10:44:21

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

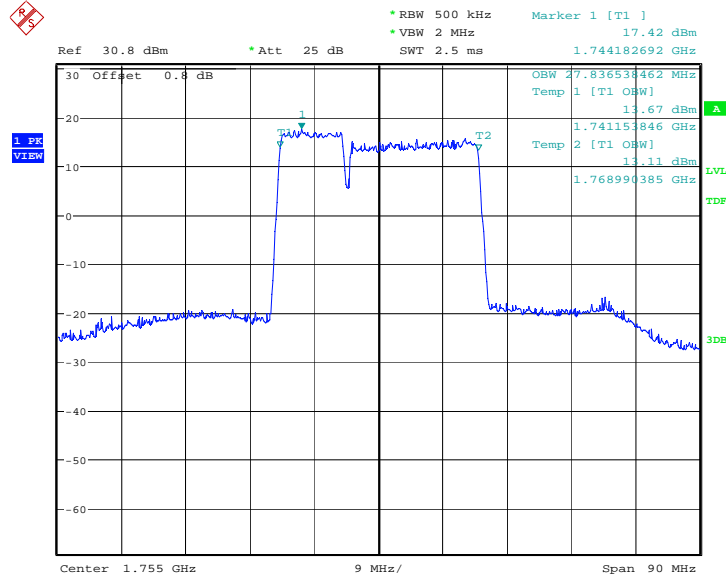


Date: 10.MAR.2022 10:45:06

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

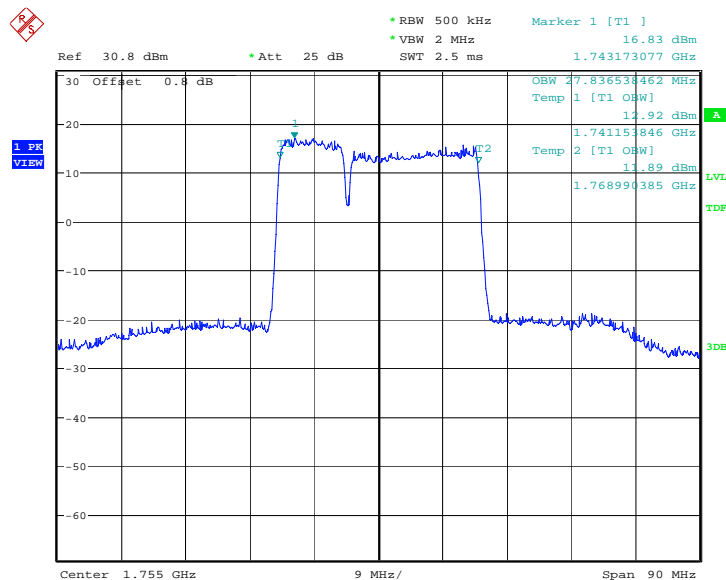
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1745.6	27.837	27.837

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



Date: 10.MAR.2022 11:20:48

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

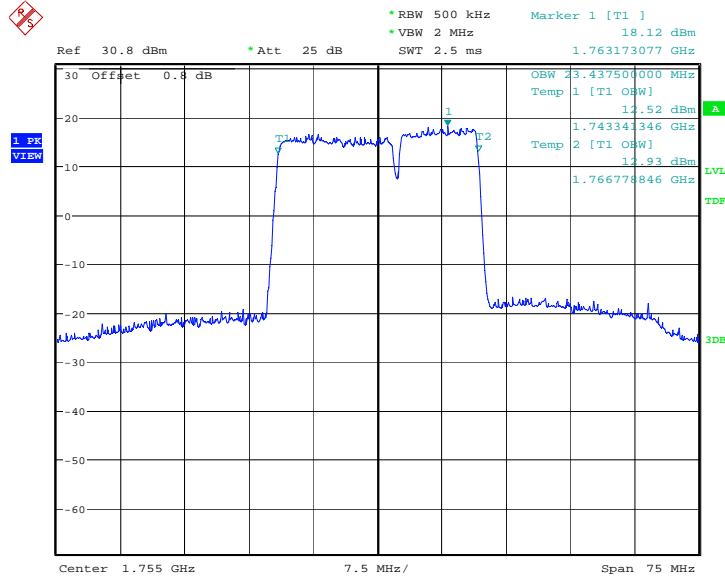


Date: 10.MAR.2022 11:21:11

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

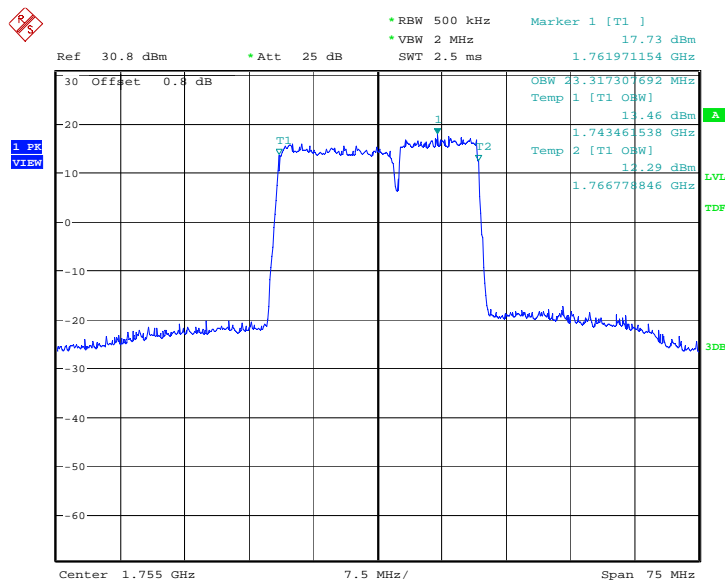
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1750.1	23.438	23.317

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



Date: 10.MAR.2022 13:07:21

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

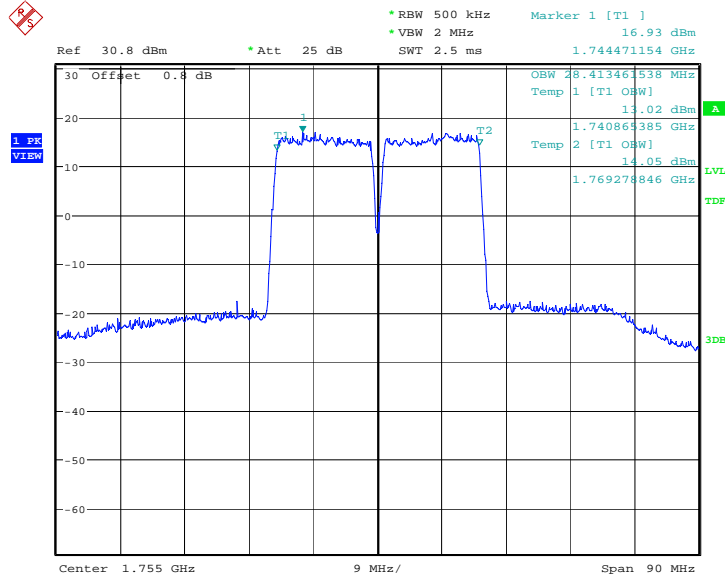


Date: 10.MAR.2022 13:07:44

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

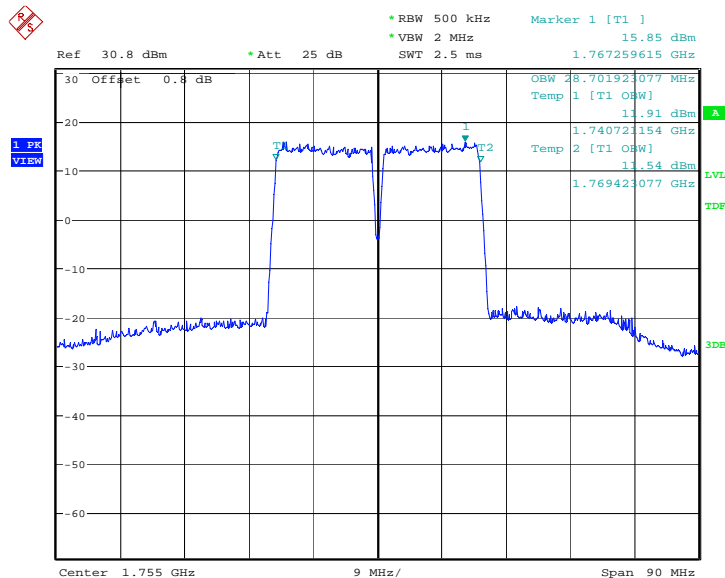
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1747.5	28.413	28.702

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



Date: 10.MAR.2022 12:17:28

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

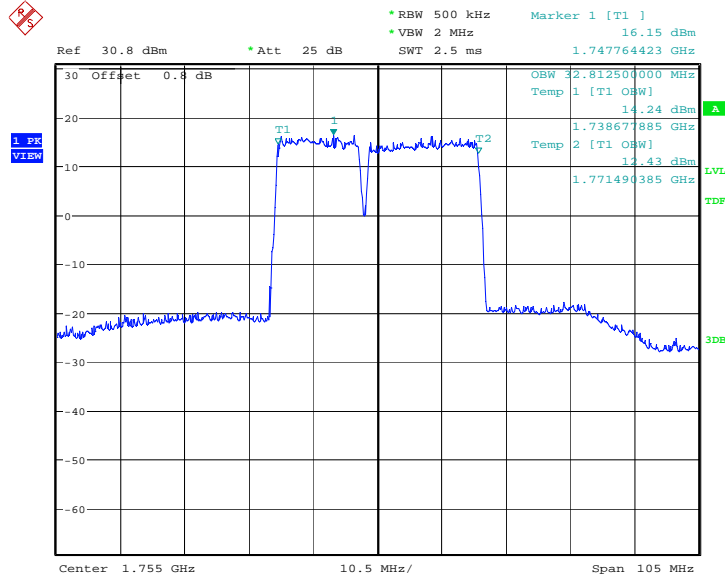


Date: 10.MAR.2022 12:17:51

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

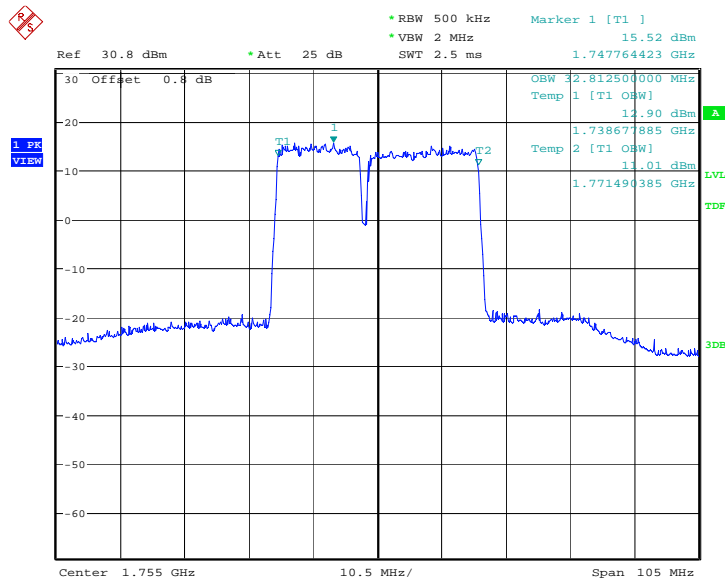
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1745.3	32.812	32.812

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



Date: 10.MAR.2022 12:18:44

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

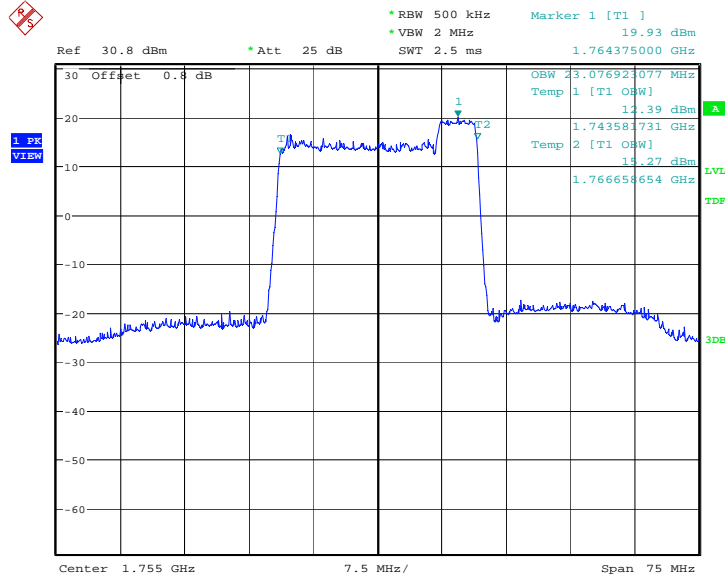


Date: 10.MAR.2022 12:19:10

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

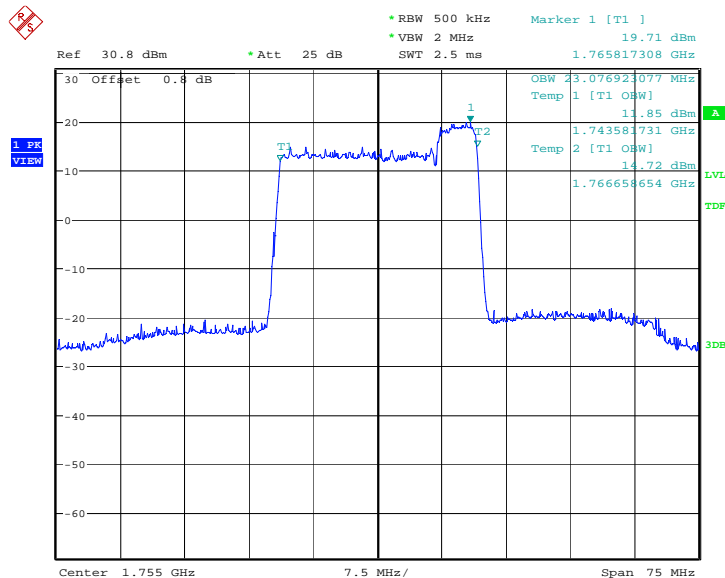
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1752.5	23.077	23.077

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



Date: 10.MAR.2022 12:20:17

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

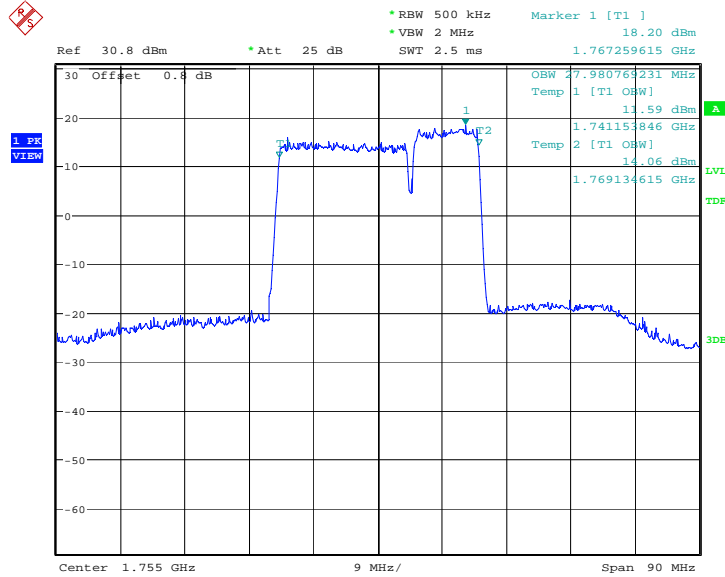


Date: 10.MAR.2022 12:20:40

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

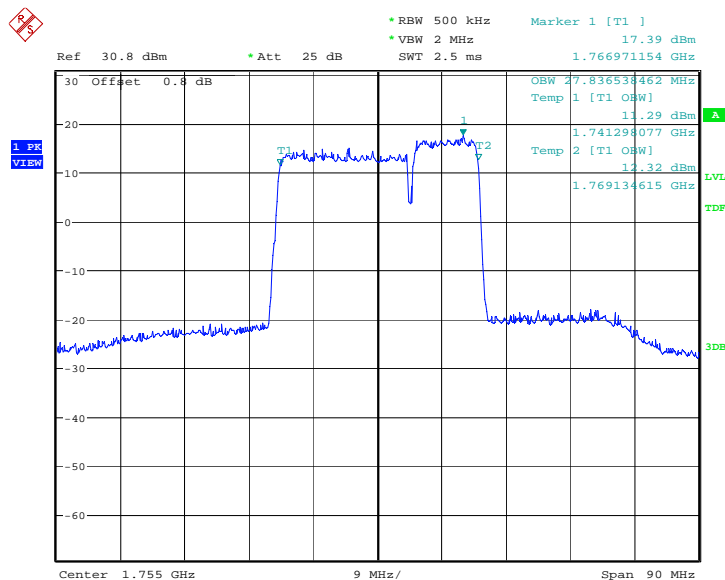
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1750.1	27.981	27.837

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



Date: 10.MAR.2022 13:09:16

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

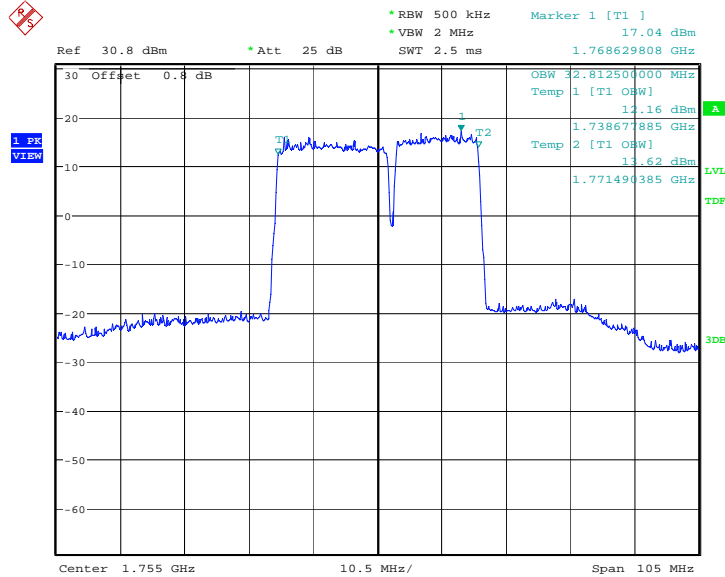


Date: 10.MAR.2022 13:09:39

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

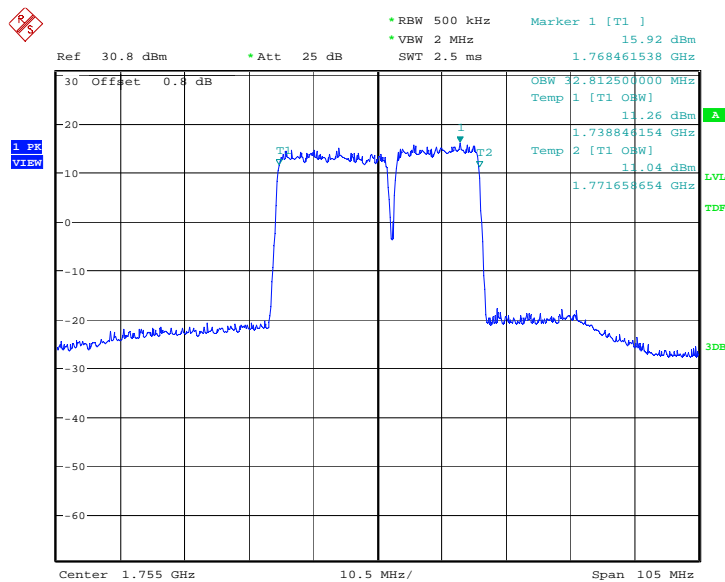
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1747.6	32.812	32.812

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



Date: 10.MAR.2022 13:11:02

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



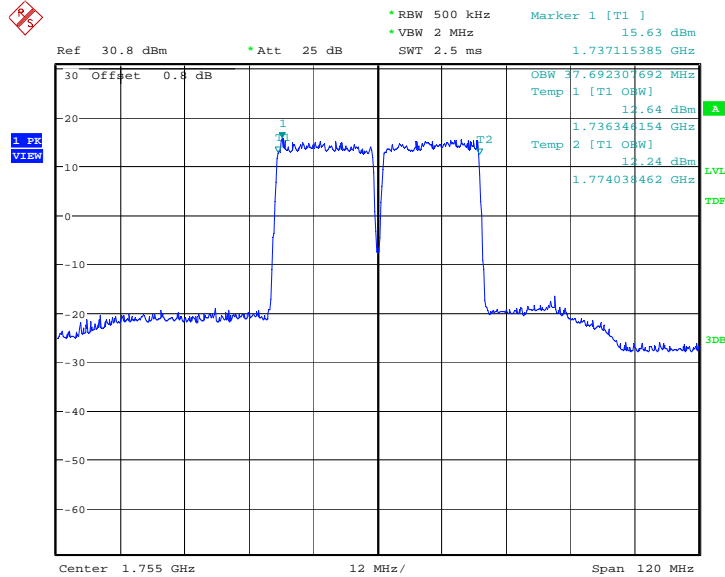
Date: 10.MAR.2022 13:11:25



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

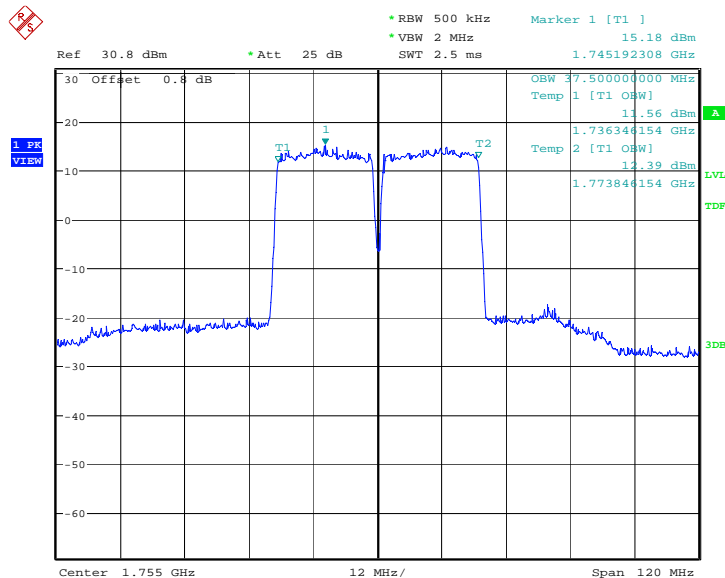
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1745.1	37.692	37.500

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



Date: 10.MAR.2022 13:12:37

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

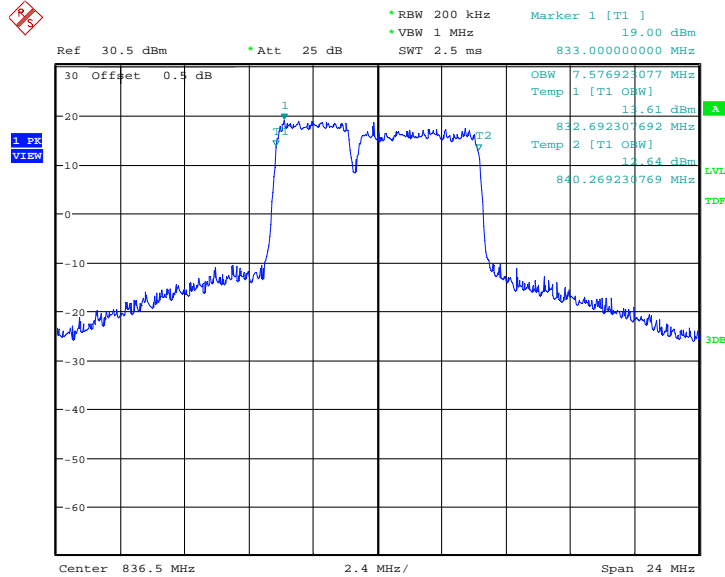


Date: 10.MAR.2022 13:13:22

**LTE CA Band 5B , 3MHz+5MHz (99%)**

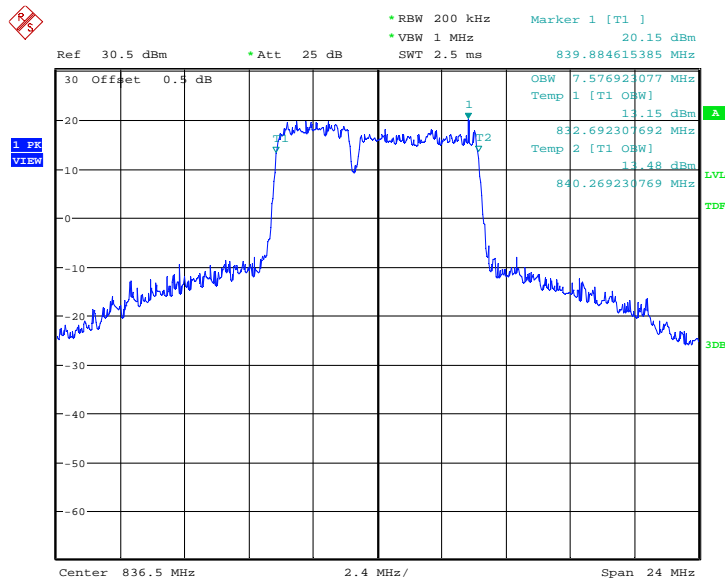
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
834.1	7.577	7.577

**LTE CA Band 5B , 3MHz+5MHz Bandwidth, QPSK (99% BW)**



Date: 18.MAY.2022 15:45:37

**LTE CA Band 5B , 3MHz+5MHz Bandwidth, 16QAM (99% BW)**

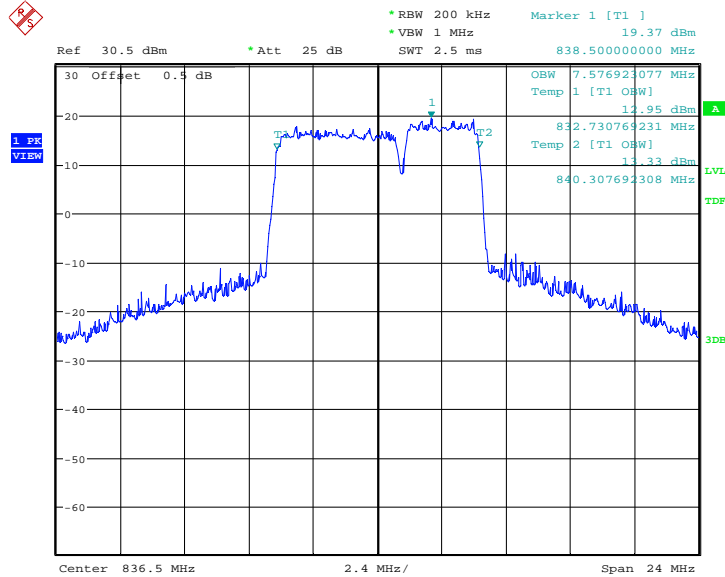


Date: 18.MAY.2022 15:45:59

**LTE CA Band 5B , 5MHz+3MHz (99%)**

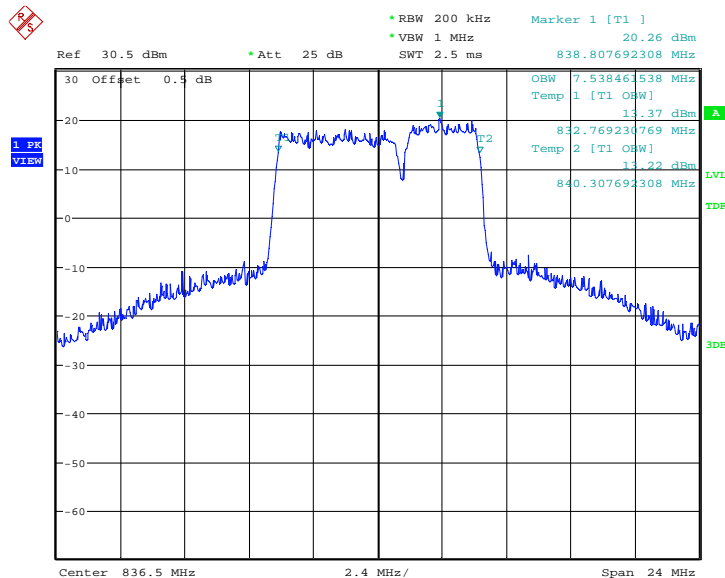
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
835	7.577	7.538

**LTE CA Band 5B , 5MHz+3MHz Bandwidth, QPSK (99% BW)**



Date: 18.MAY.2022 15:52:25

**LTE CA Band 5B , 5MHz+3MHz Bandwidth, 16QAM (99% BW)**

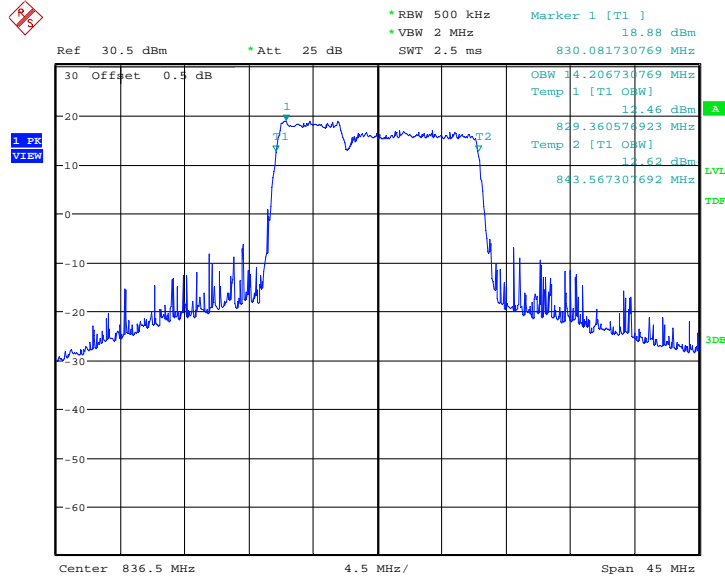


Date: 18.MAY.2022 15:52:47

**LTE CA Band 5B , 5MHz+10MHz (99%)**

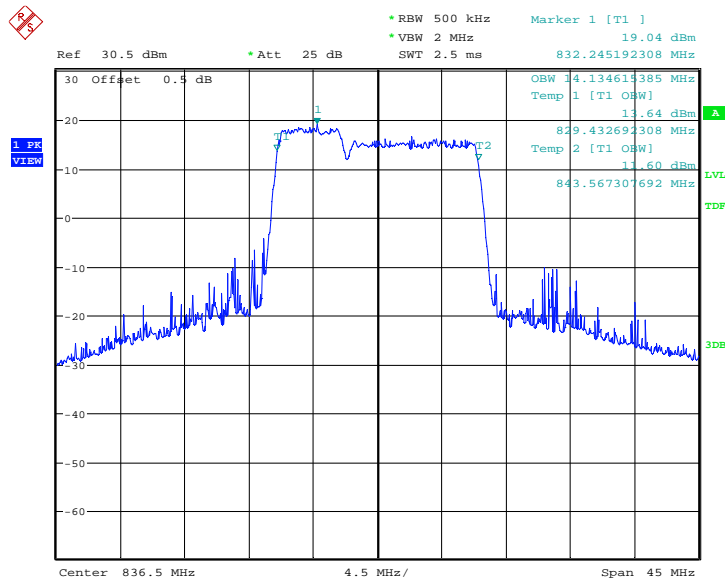
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
831.8	14.207	14.135

**LTE CA Band 5B , 5MHz+10MHz Bandwidth, QPSK (99% BW)**



Date: 18.MAY.2022 15:54:10

**LTE CA Band 5B , 5MHz+10MHz Bandwidth, 16QAM (99% BW)**

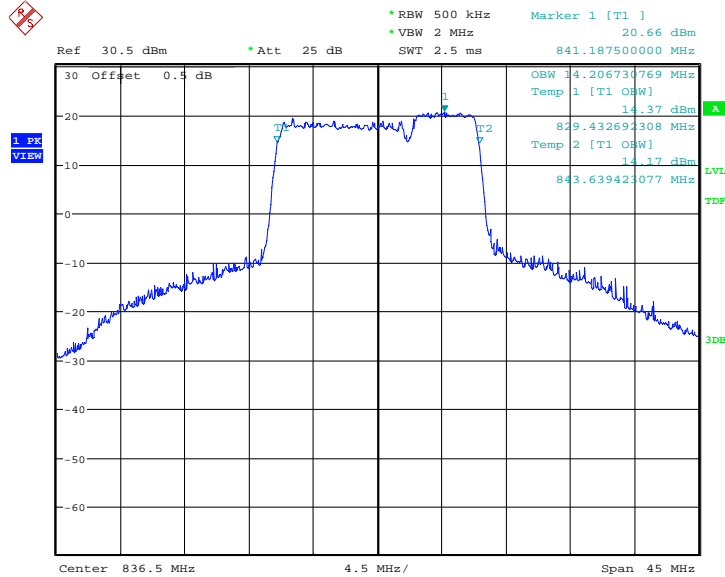


Date: 18.MAY.2022 15:54:33

**LTE CA Band 5B , 10MHz+5MHz (99%)**

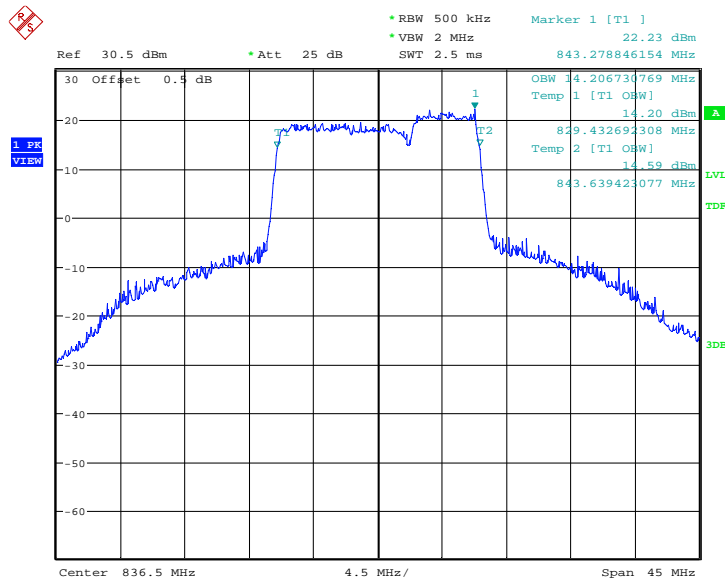
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
834	14.207	14.207

**LTE CA Band 5B , 10MHz+5MHz Bandwidth, QPSK (99% BW)**



Date: 18.MAY.2022 15:55:58

**LTE CA Band 5B , 10MHz+5MHz Bandwidth, 16QAM (99% BW)**

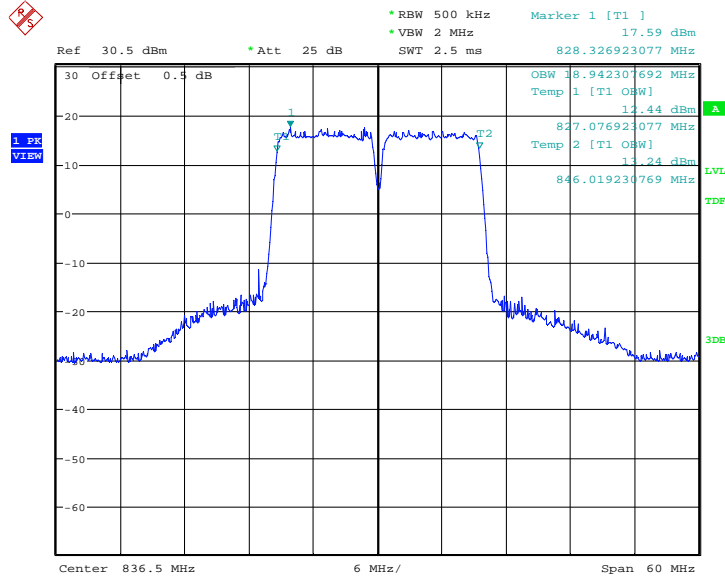


Date: 18.MAY.2022 15:56:20

**LTE CA Band 5B , 10MHz+10MHz (99%)**

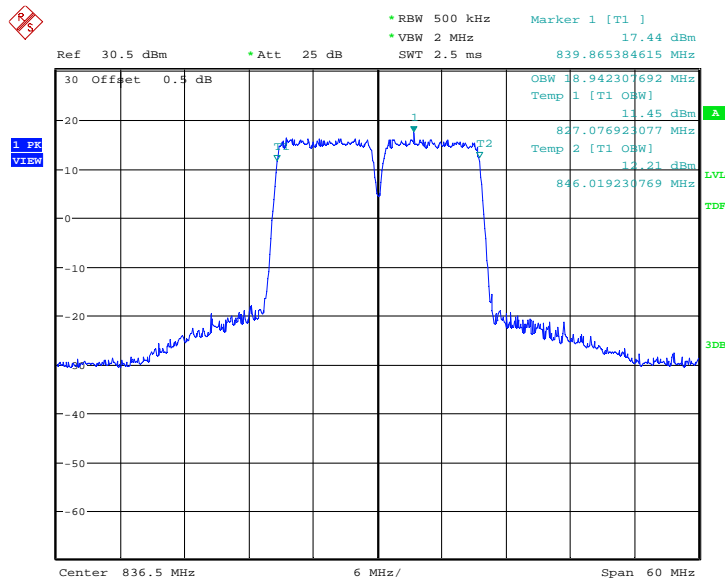
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
831.6	18.942	18.942

**LTE CA Band 5B , 10MHz+10MHz Bandwidth, QPSK (99% BW)**



Date: 18.MAY.2022 15:57:13

**LTE CA Band 5B , 10MHz+10MHz Bandwidth, 16QAM (99% BW)**



Date: 18.MAY.2022 15:57:35

## **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.

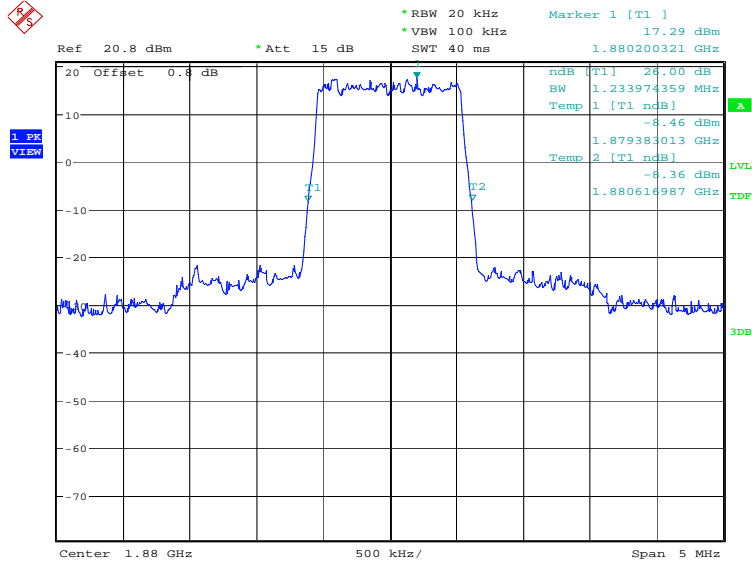
The measurement method is from ANSI C63.26:

- 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 2, 1.4MHz (-26dBc)**

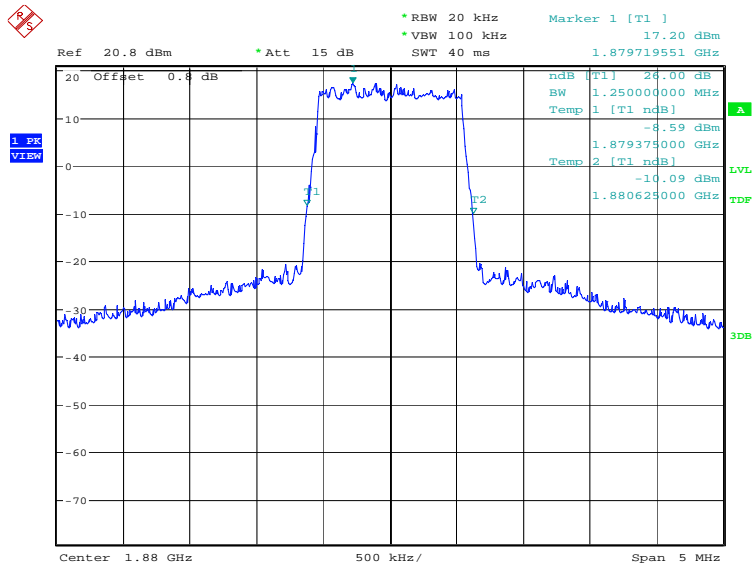
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
	1233.97	1250.00

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



Date: 7.APR.2022 11:45:39

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



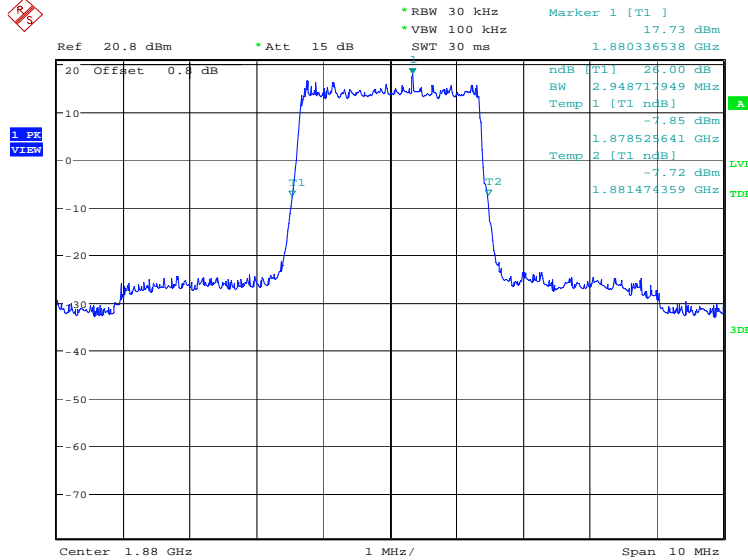
Date: 7.APR.2022 11:46:18



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

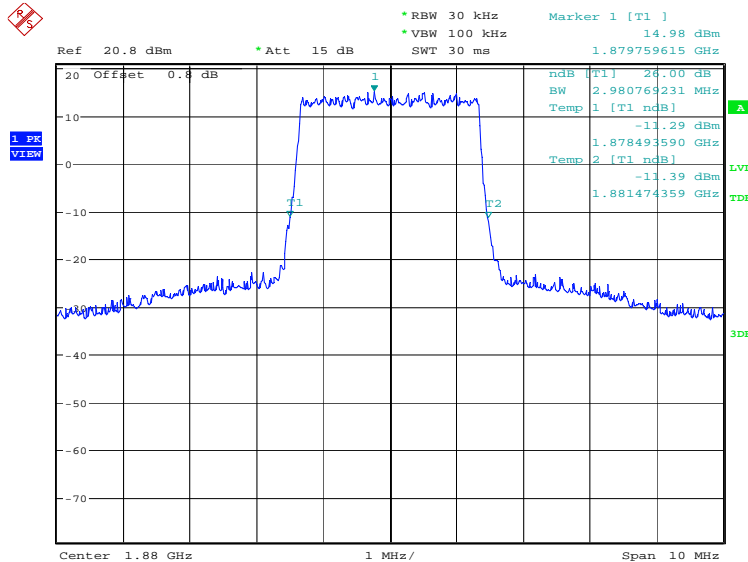
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	2948.72	2980.77

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



Date: 7.APR.2022 11:47:02

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

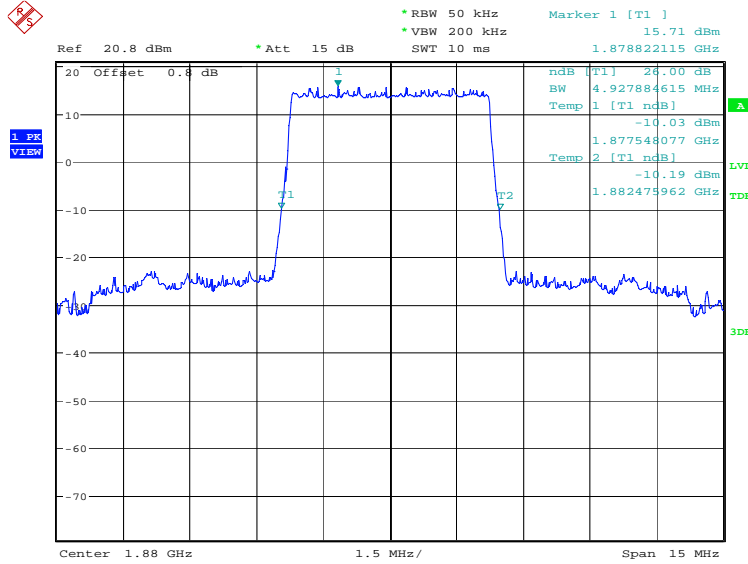


Date: 7.APR.2022 11:47:41

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

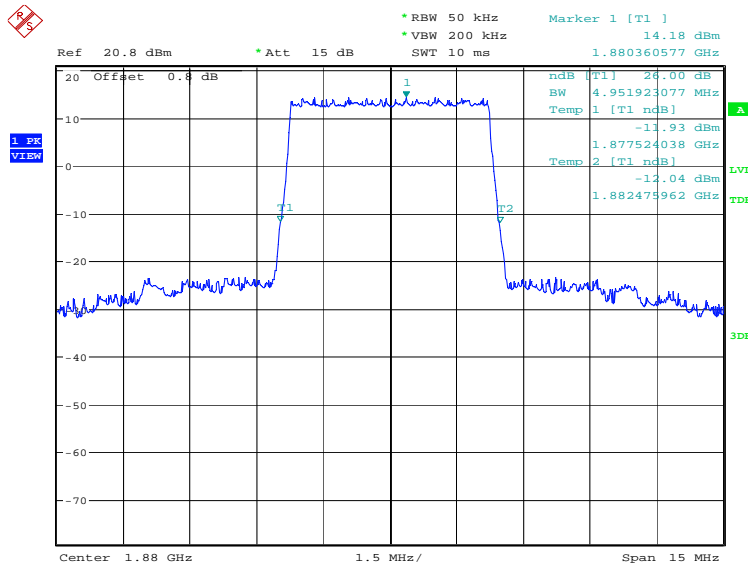
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	4927.88	4951.92

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



Date: 7.APR.2022 11:48:24

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

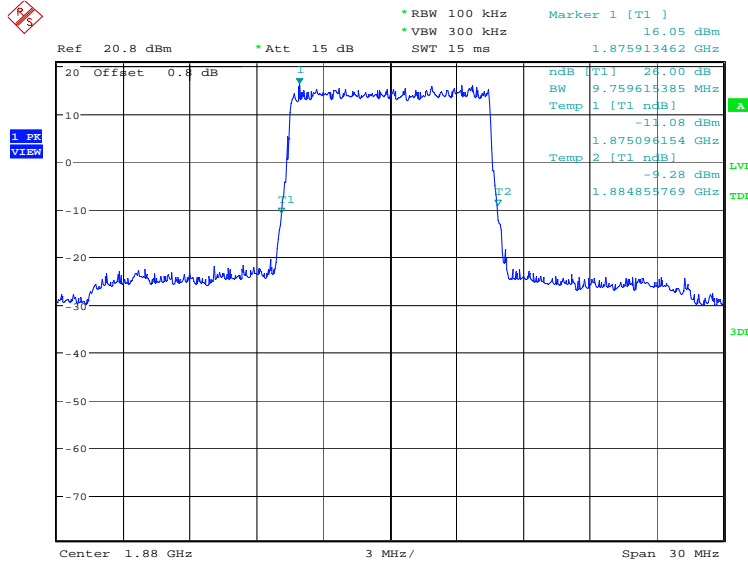


Date: 7.APR.2022 11:49:04

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

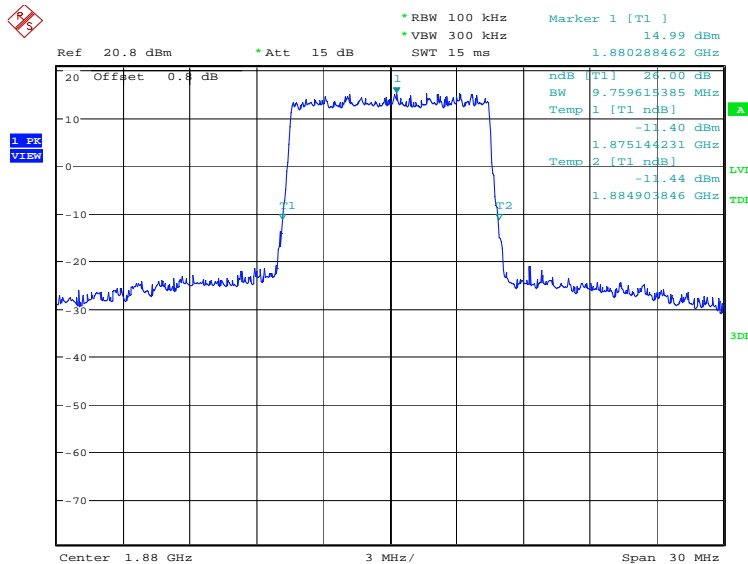
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	9759.62	9759.62

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



Date: 7.APR.2022 11:49:47

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

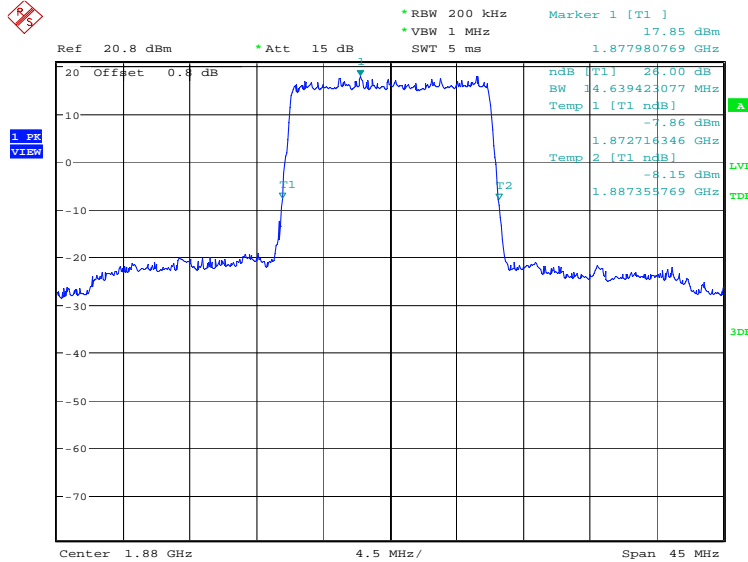


Date: 7.APR.2022 11:50:26

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

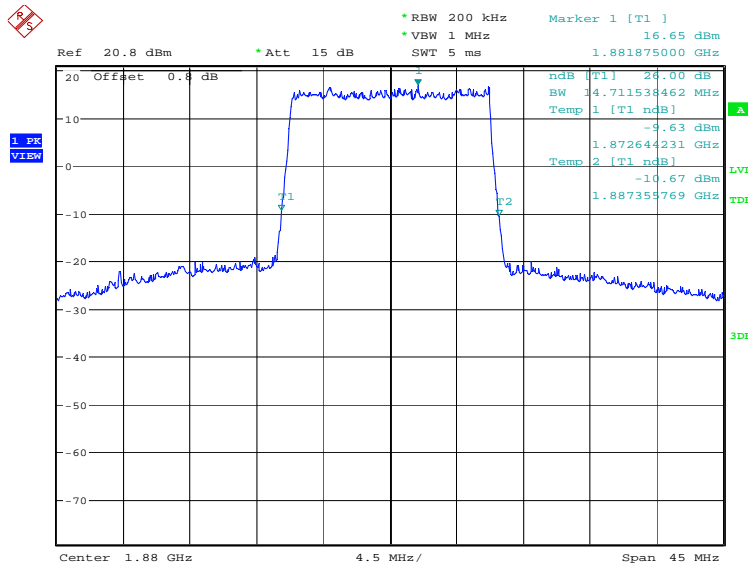
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	14639.42	14711.54

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



Date: 7.APR.2022 11:51:10

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

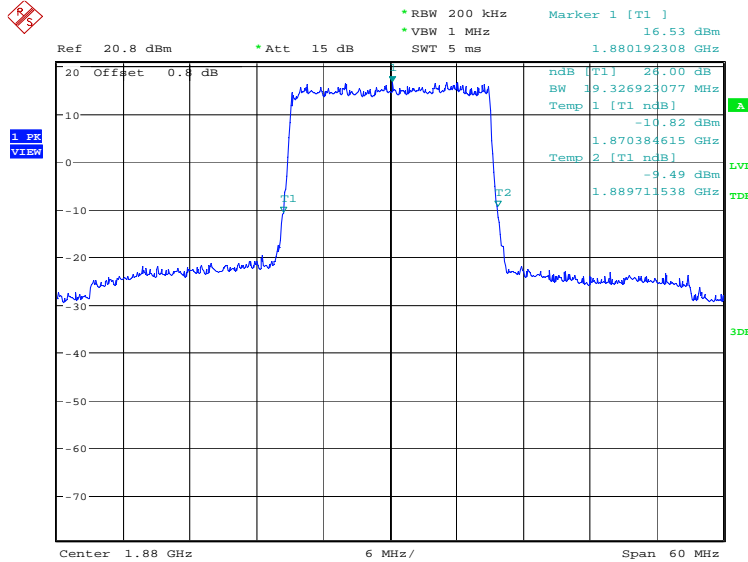


Date: 7.APR.2022 11:51:49

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

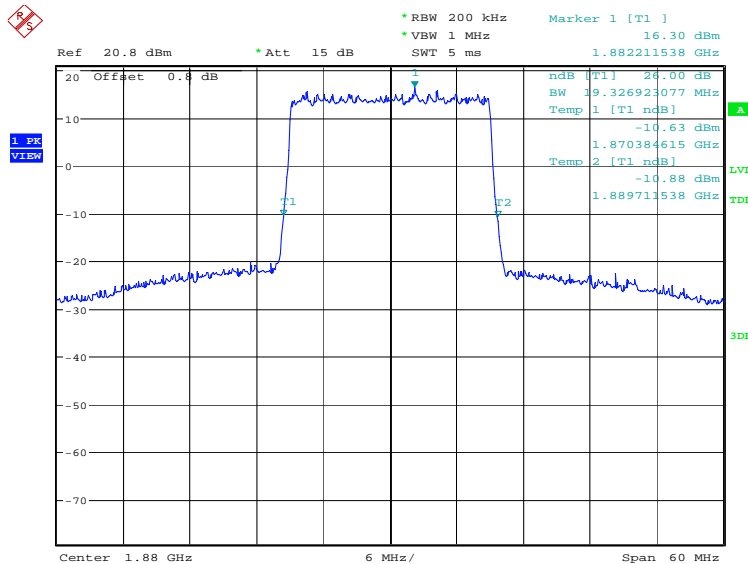
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	19326.92	19326.92

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



Date: 7.APR.2022 11:52:33

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

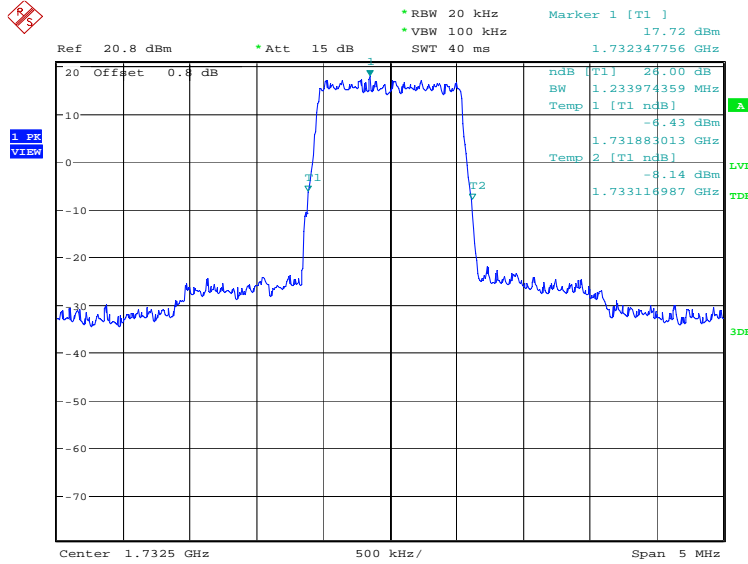


Date: 7.APR.2022 11:53:12

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

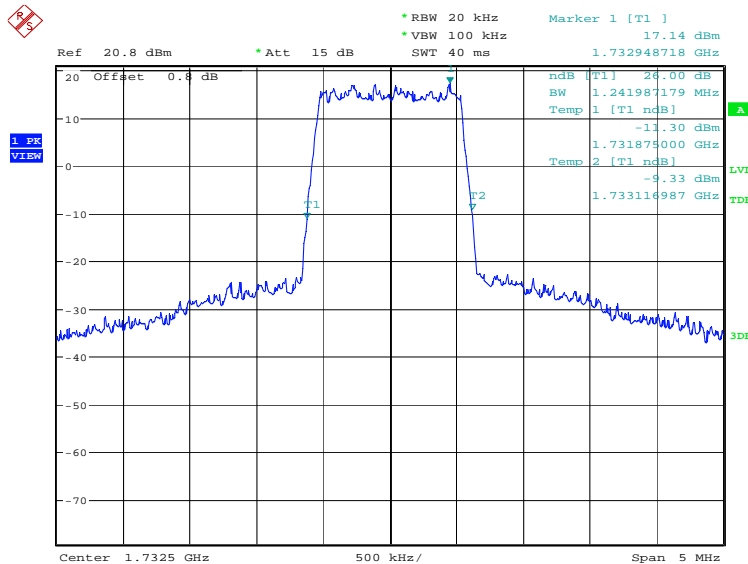
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
	1233.97	1241.99

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



Date: 7.APR.2022 11:54:00

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

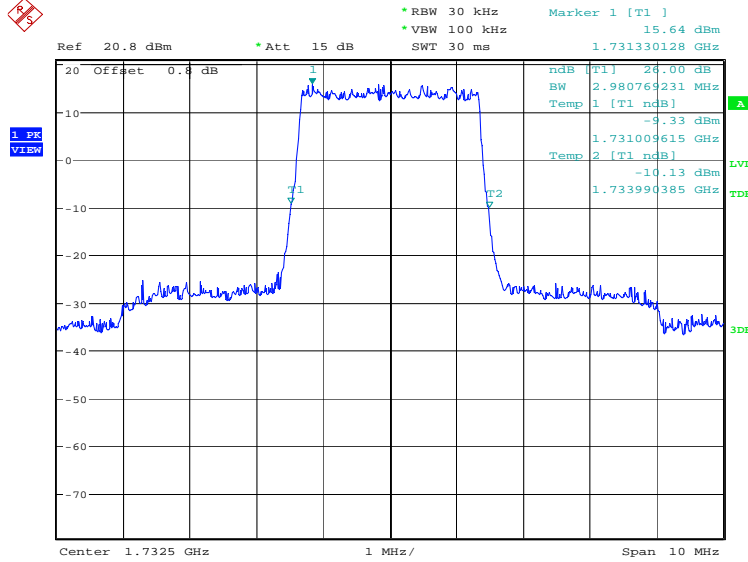


Date: 7.APR.2022 11:54:39

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

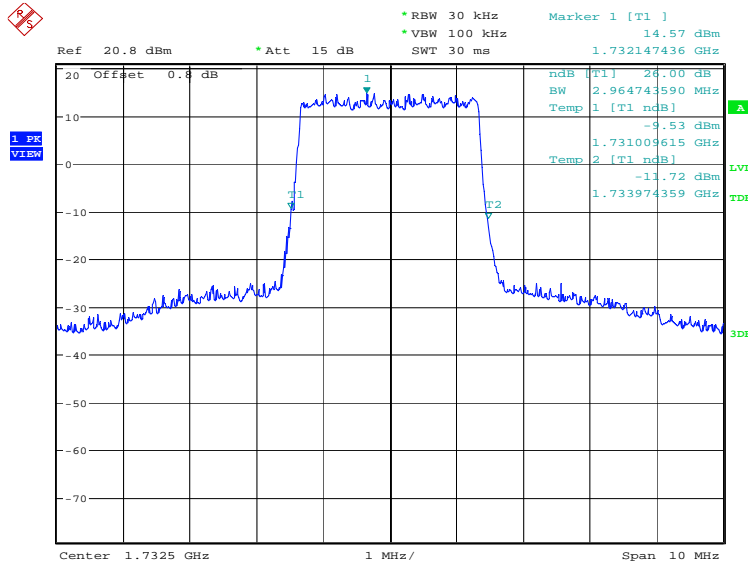
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
	2980.77	2964.74

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



Date: 7.APR.2022 11:55:22

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

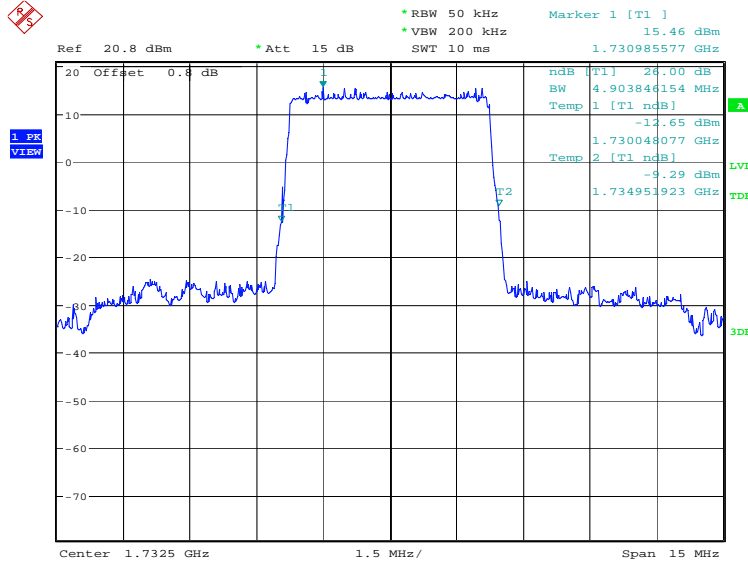


Date: 7.APR.2022 11:56:01

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

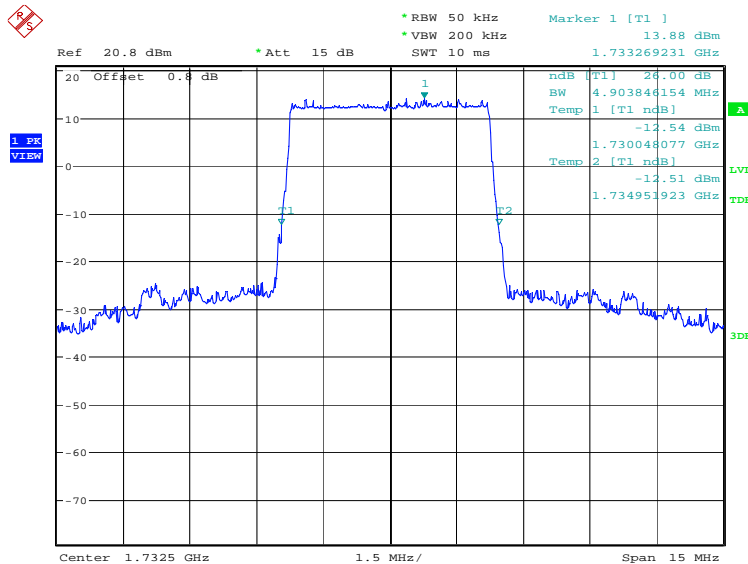
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	4903.85	4903.85

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



Date: 7.APR.2022 11:56:45

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



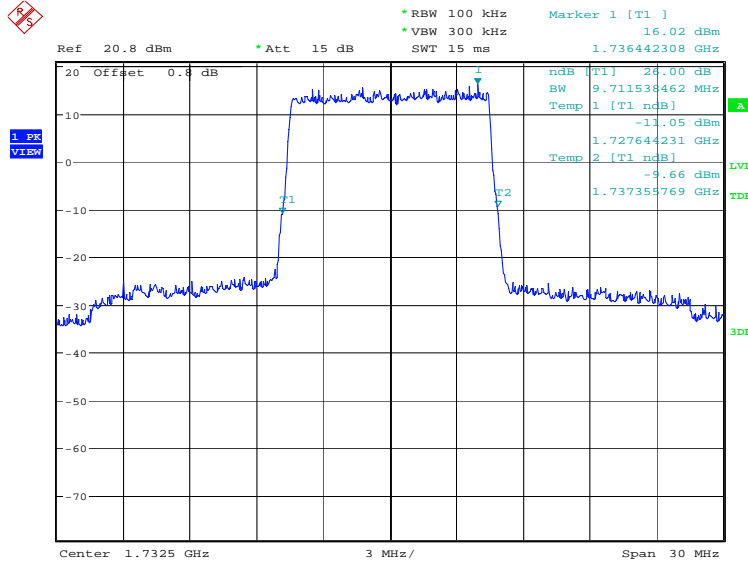
Date: 7.APR.2022 11:57:24



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

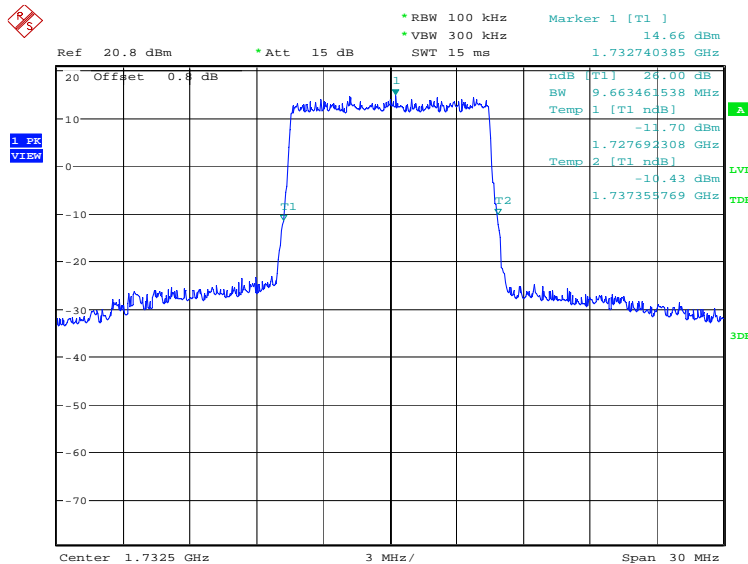
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	9711.54	9663.46

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



Date: 7.APR.2022 11:58:08

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

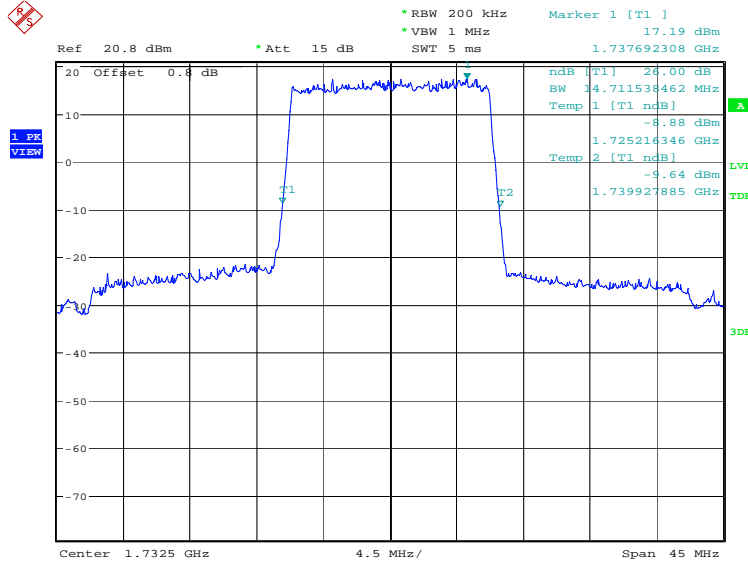


Date: 7.APR.2022 11:58:47

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

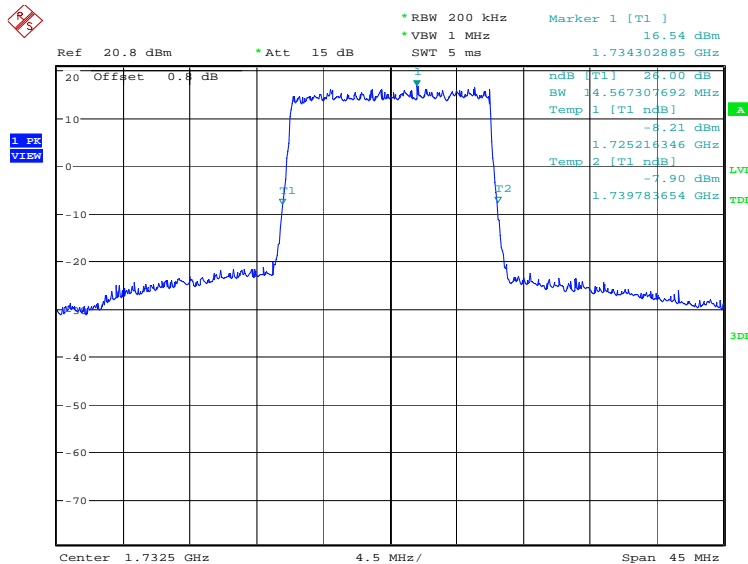
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	14711.54	14567.31

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



Date: 7.APR.2022 11:59:31

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

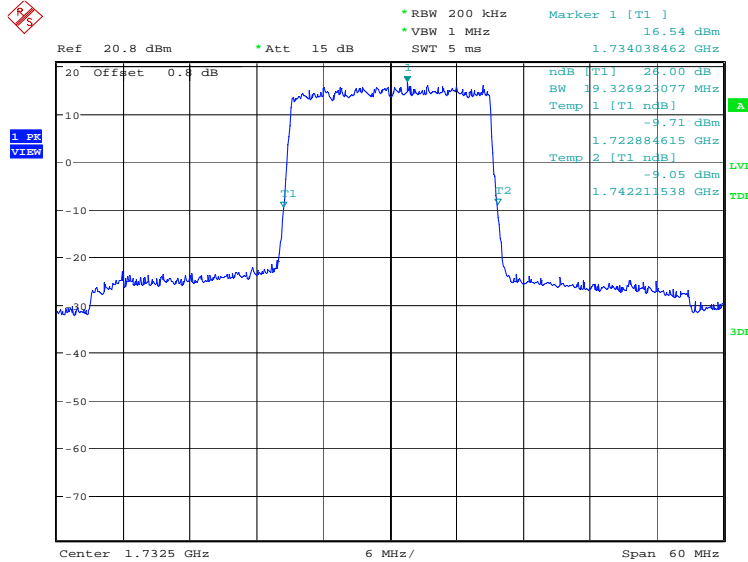


Date: 7.APR.2022 12:00:10

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

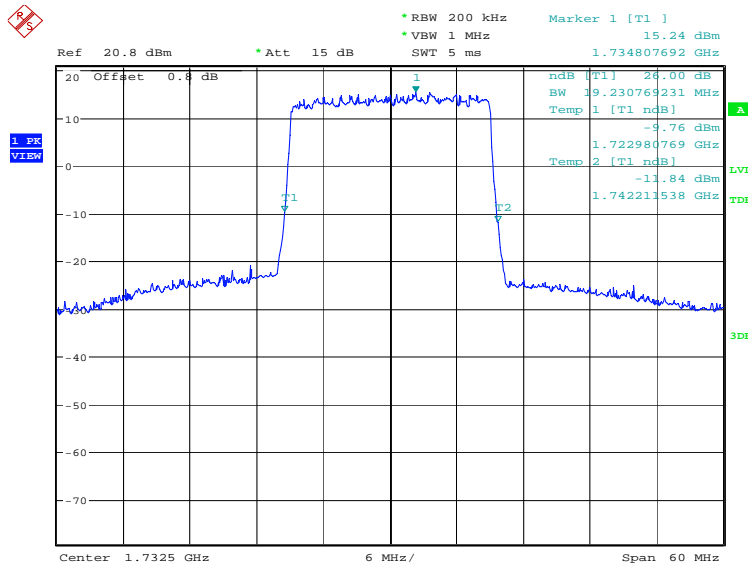
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	19326.92	19230.77

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



Date: 7.APR.2022 12:00:53

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

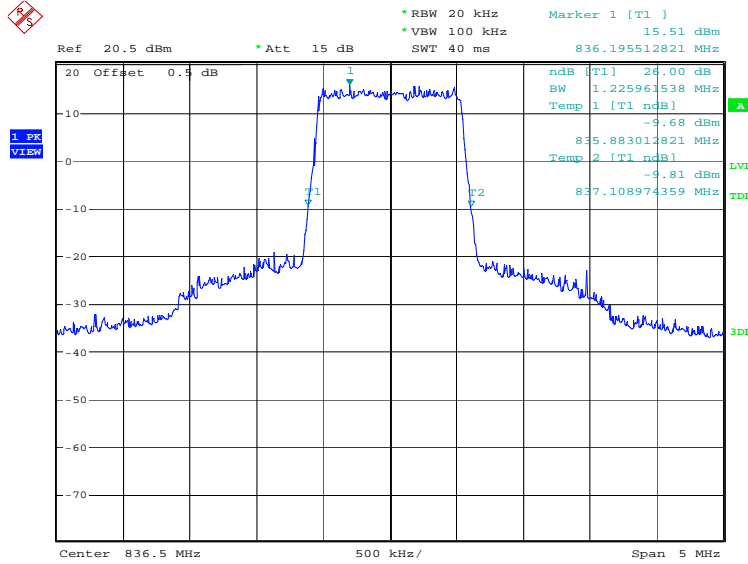


Date: 7.APR.2022 12:01:32

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

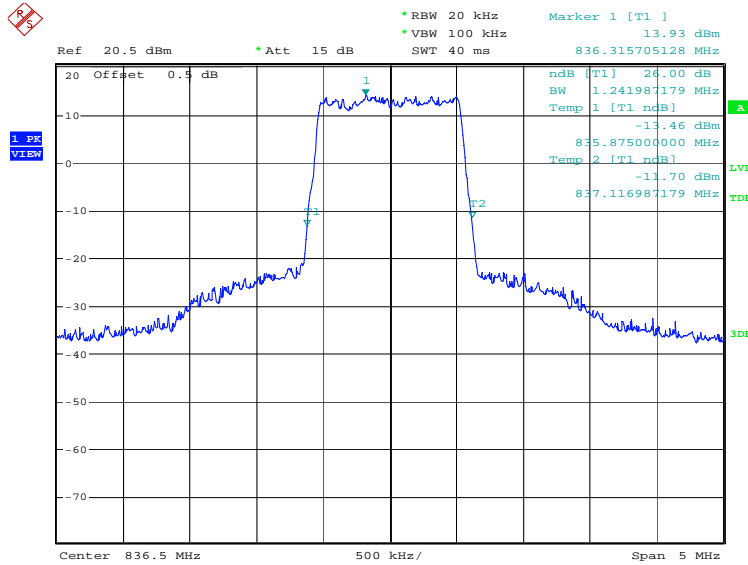
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	836.5	QPSK
	1225.96	1241.99

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



Date: 7.APR.2022 12:03:11

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

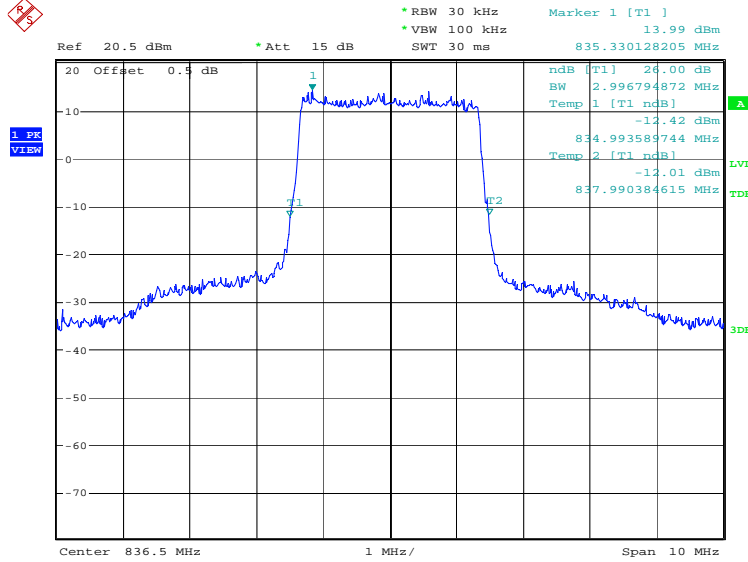


Date: 7.APR.2022 12:03:50

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

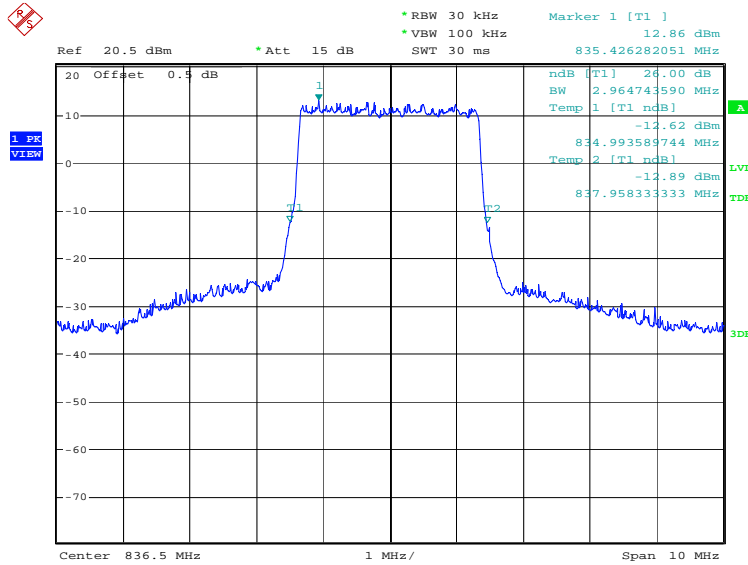
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	2996.79	2964.74

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



Date: 7.APR.2022 12:04:34

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

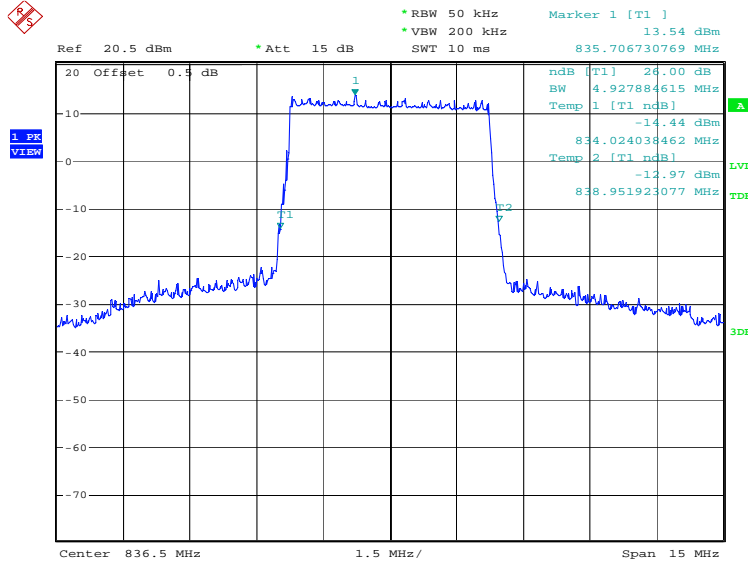


Date: 7.APR.2022 12:05:13

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

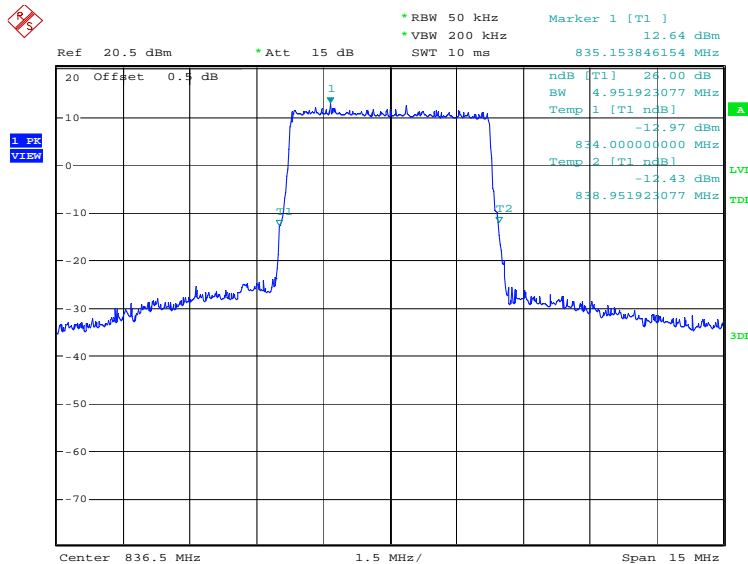
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	4927.88	4951.92

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



Date: 7.APR.2022 12:05:57

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

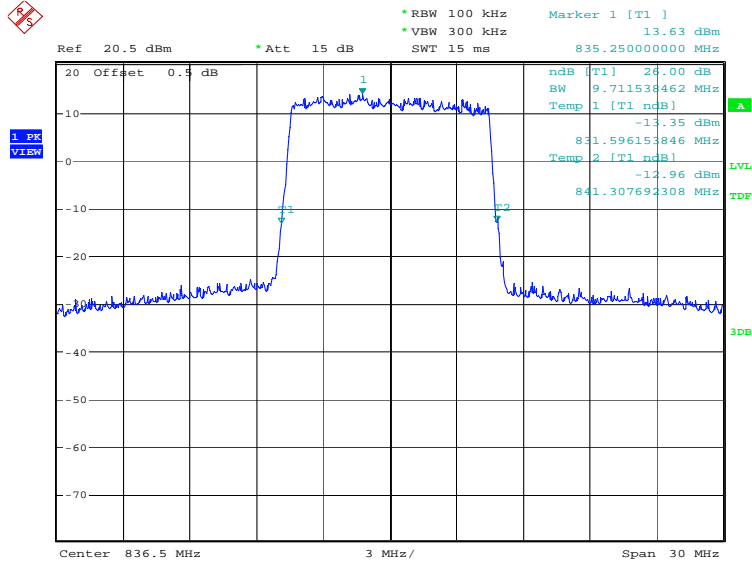


Date: 7.APR.2022 12:06:36

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

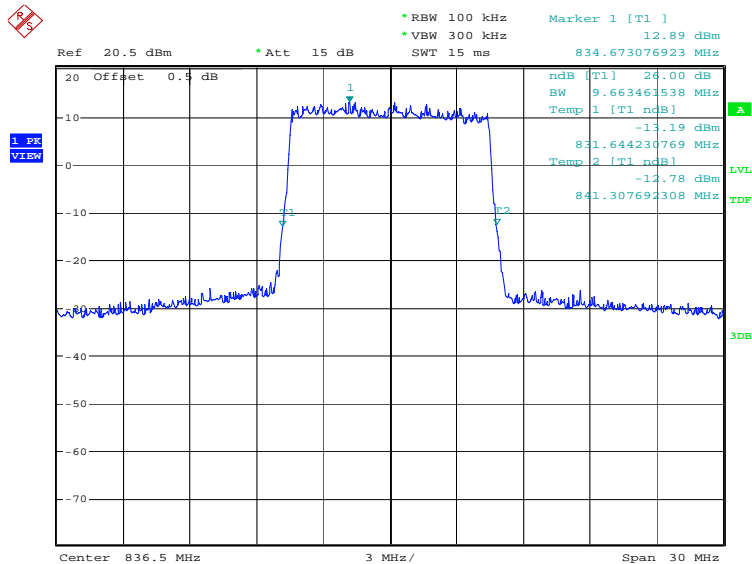
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	9711.54	9663.46

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



Date: 7.APR.2022 12:07:20

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

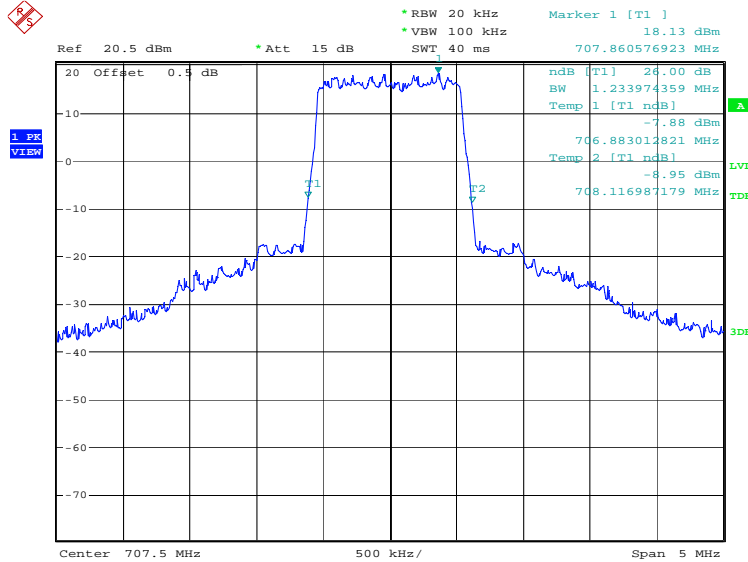


Date: 7.APR.2022 12:07:59

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

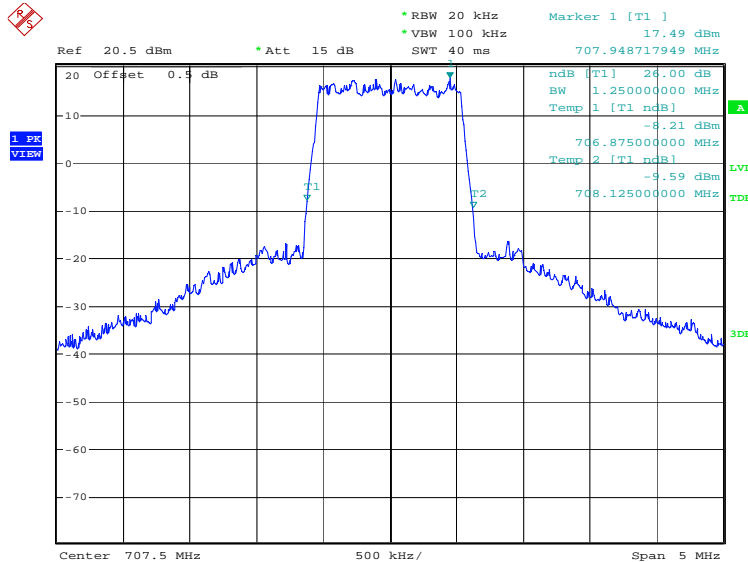
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	707.5	QPSK
	1233.97	1250.00

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



Date: 4.MAR.2022 13:56:46

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



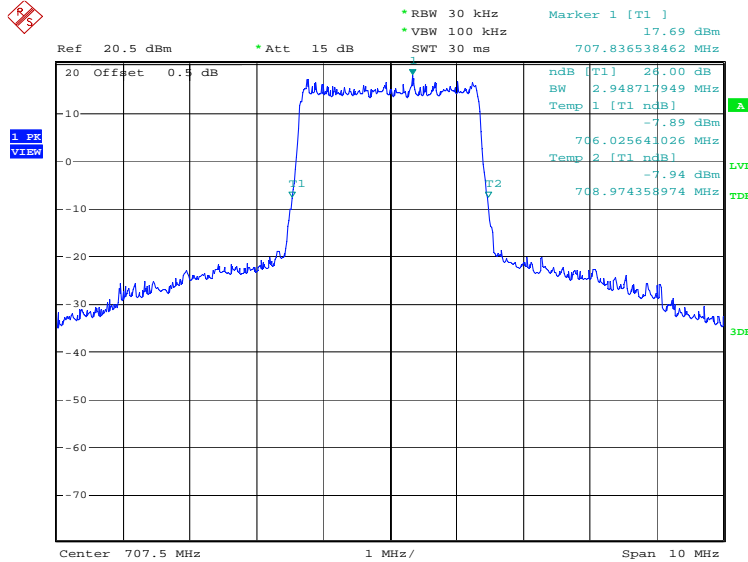
Date: 4.MAR.2022 13:57:26



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

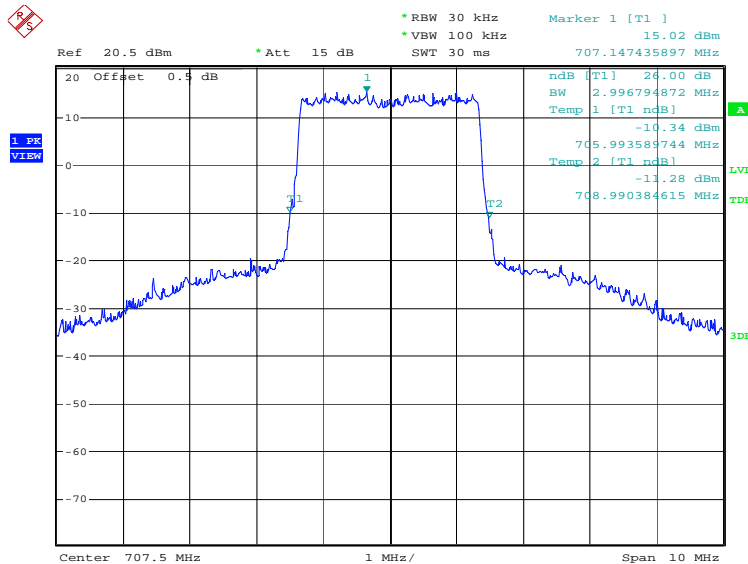
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2948.72	2996.79

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



Date: 4.MAR.2022 13:58:11

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

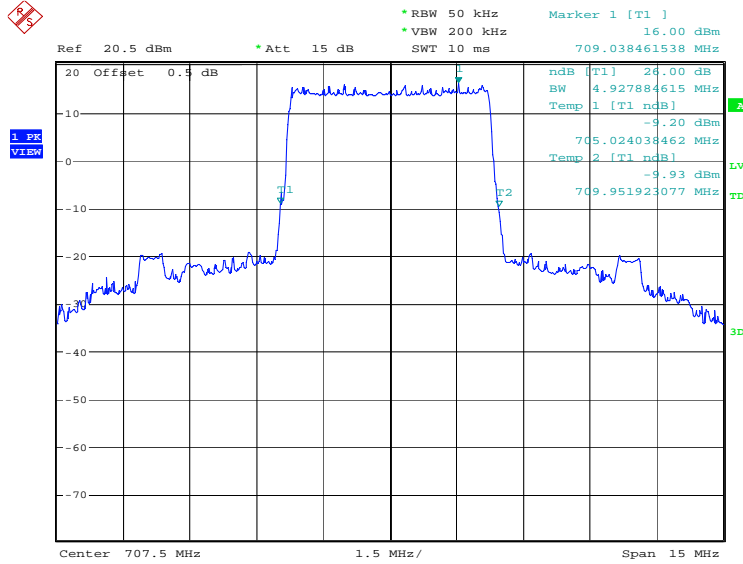


Date: 4.MAR.2022 13:58:50

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

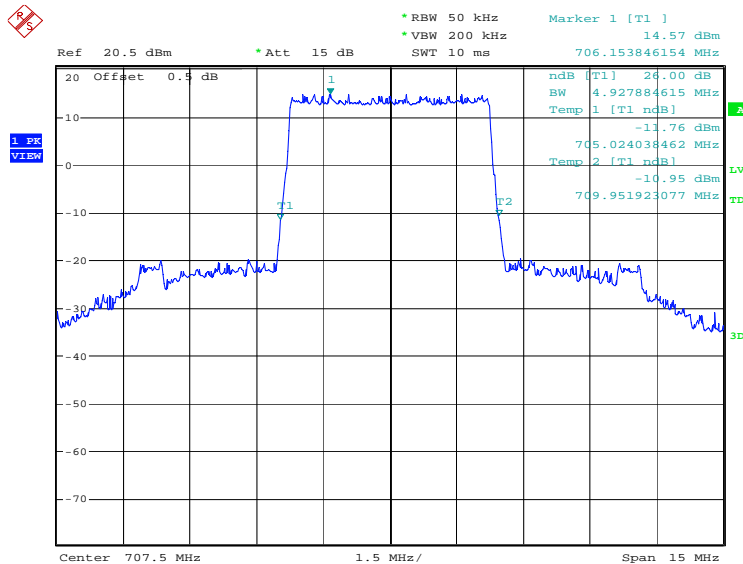
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	4927.88	4927.88

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



Date: 4.MAR.2022 13:59:36

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

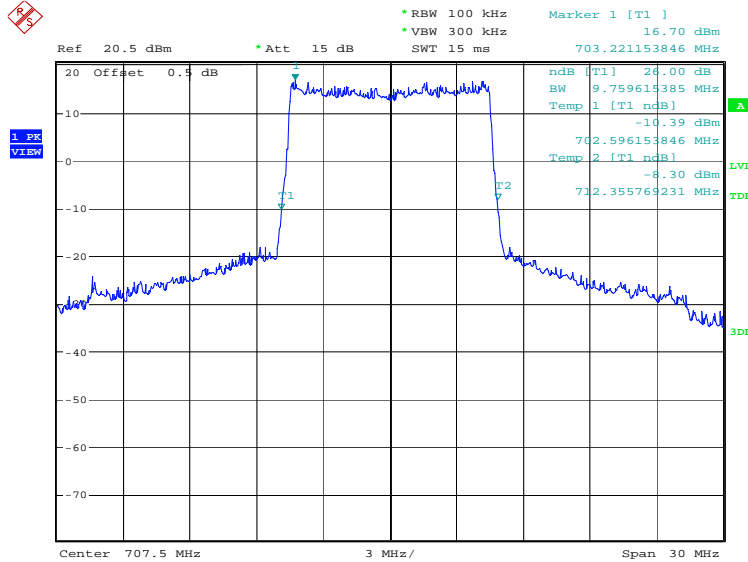


Date: 4.MAR.2022 14:00:15

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

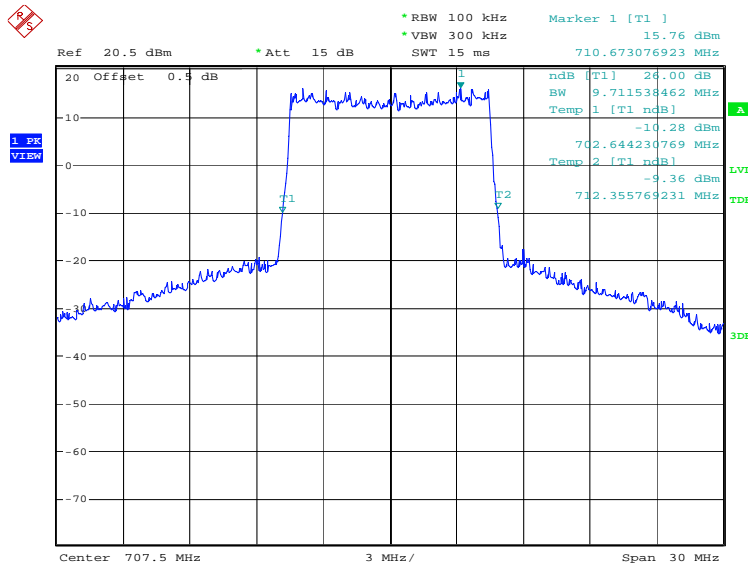
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	9759.62	9711.54

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



Date: 4.MAR.2022 14:01:00

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

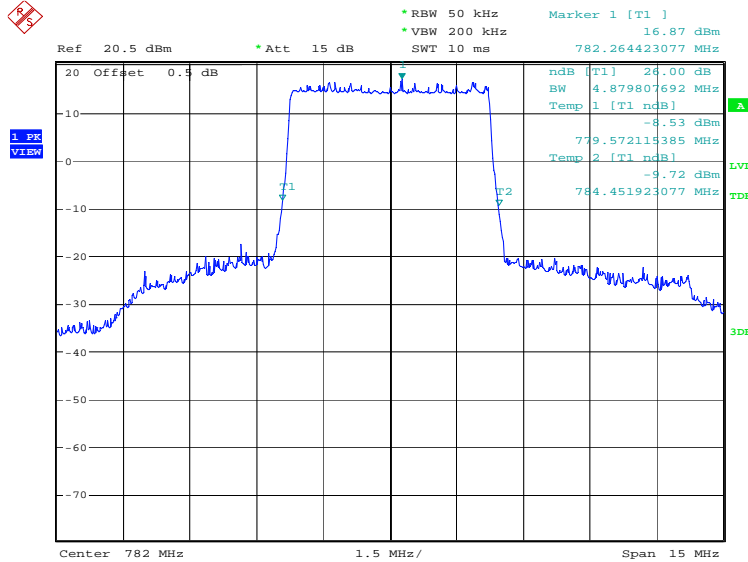


Date: 4.MAR.2022 14:01:40

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

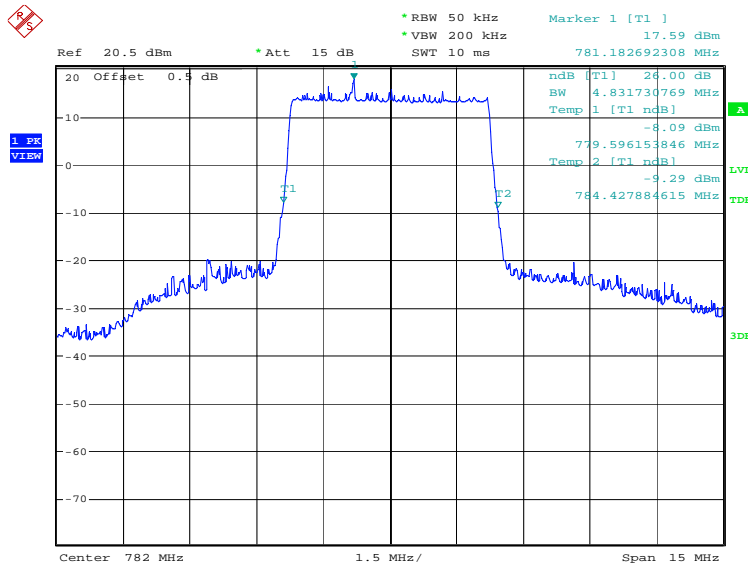
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	4879.81	4831.73

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



Date: 4.MAR.2022 14:02:28

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

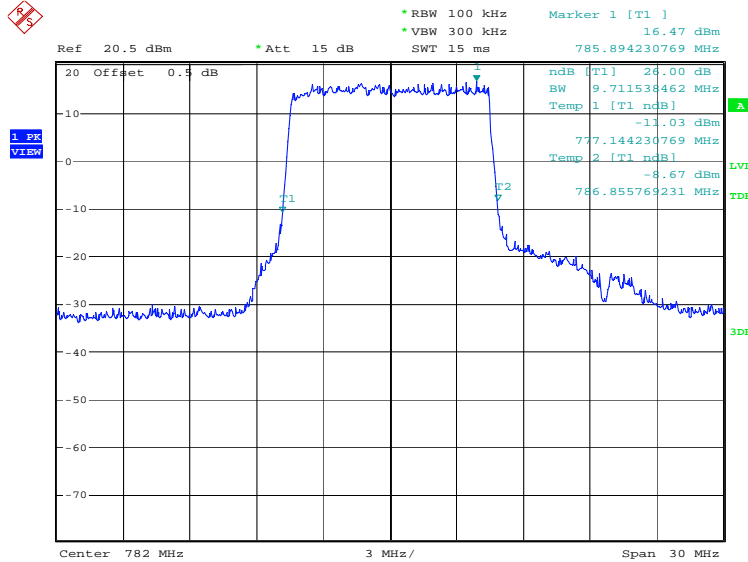


Date: 4.MAR.2022 14:03:08

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

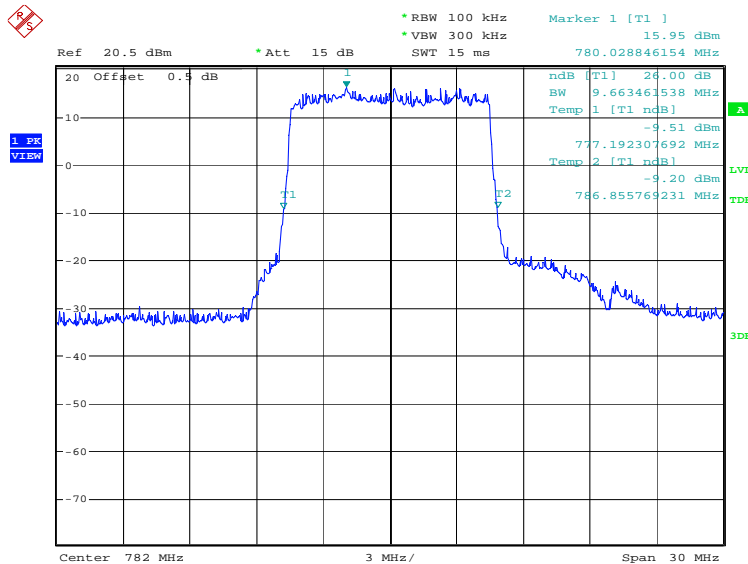
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	9711.54	9663.46

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



Date: 4.MAR.2022 14:03:51

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

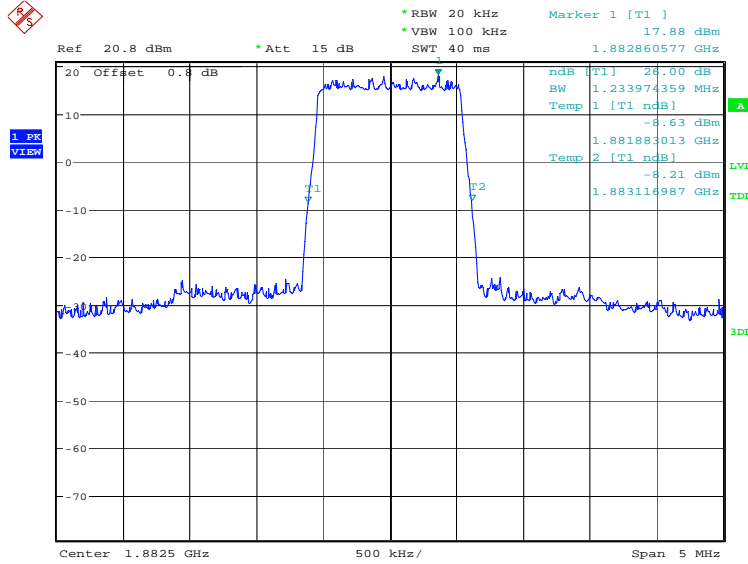


Date: 4.MAR.2022 14:04:31

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

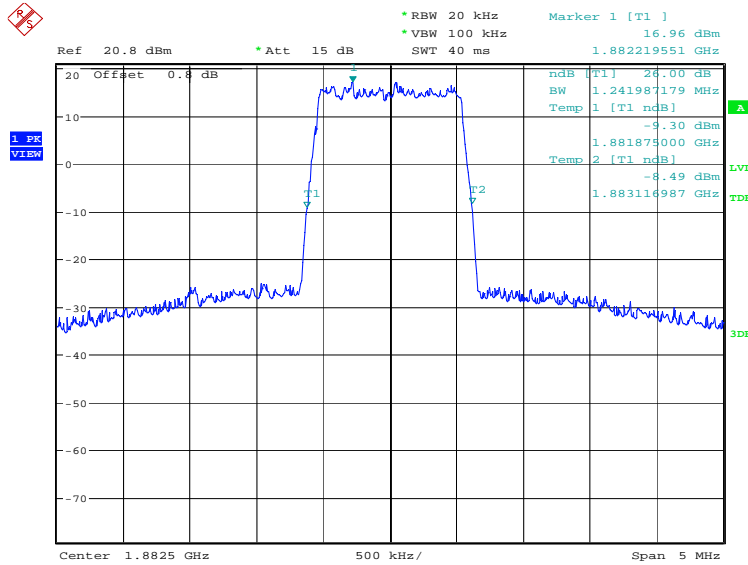
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1882.5	QPSK
	1233.97	1241.99

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



Date: 4.MAR.2022 10:59:25

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

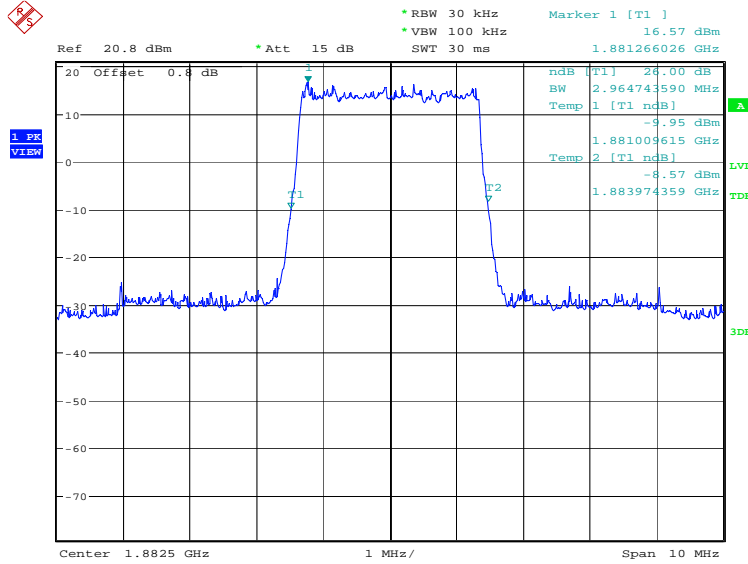


Date: 4.MAR.2022 11:00:05

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

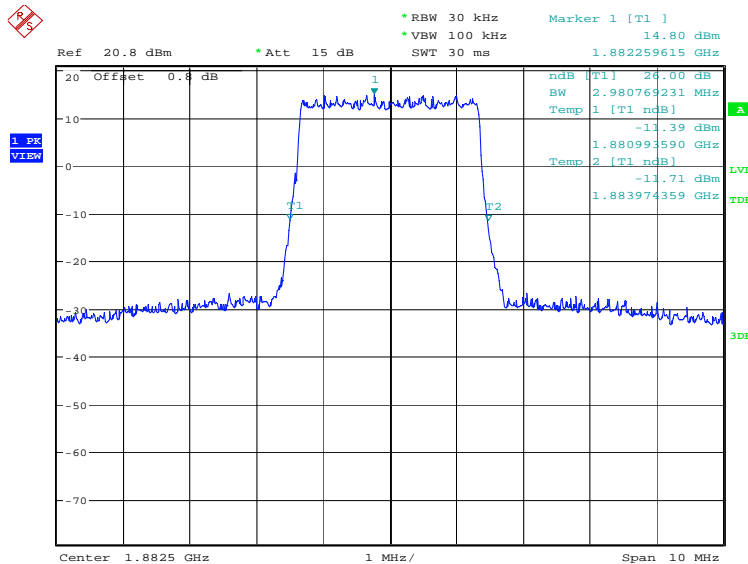
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	2964.74	2980.77

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



Date: 4.MAR.2022 11:00:49

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

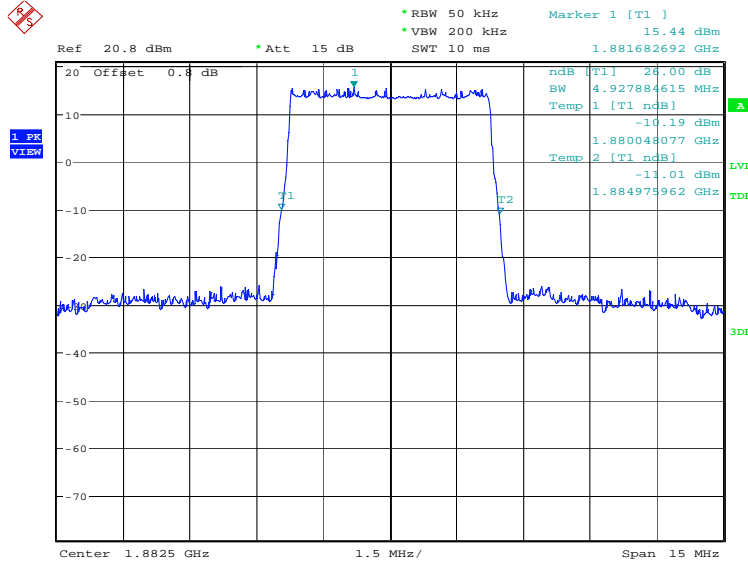


Date: 4.MAR.2022 11:01:28

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

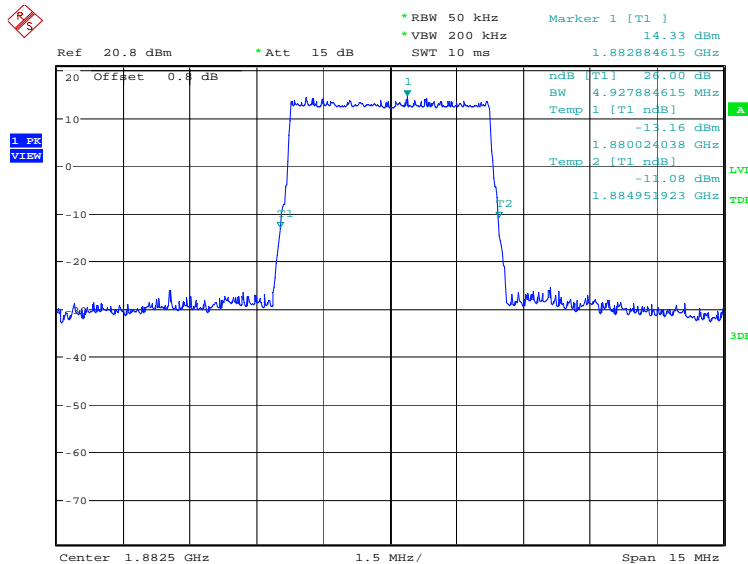
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	4927.88	4927.88

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



Date: 4.MAR.2022 11:02:12

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



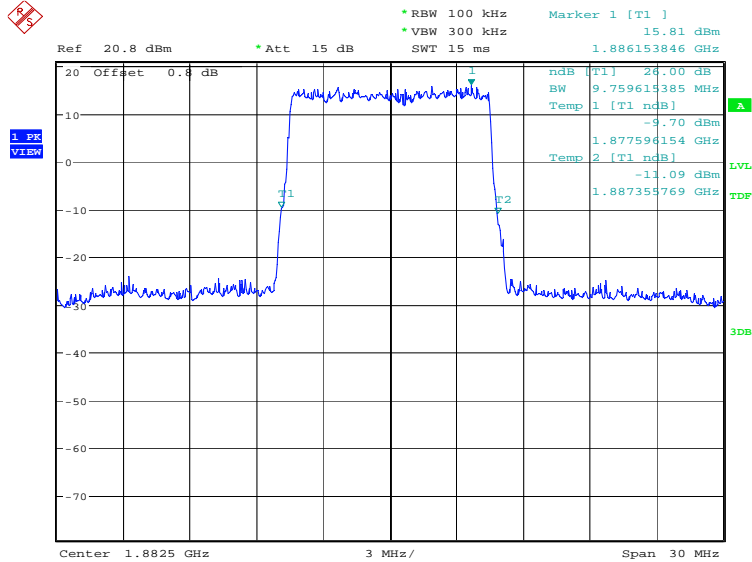
Date: 4.MAR.2022 11:02:52



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

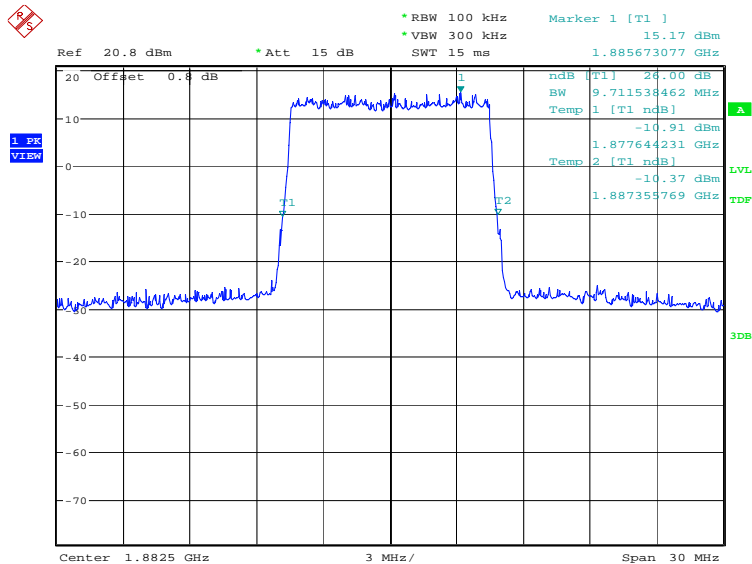
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	9759.62	9711.54

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



Date: 4.MAR.2022 11:03:36

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

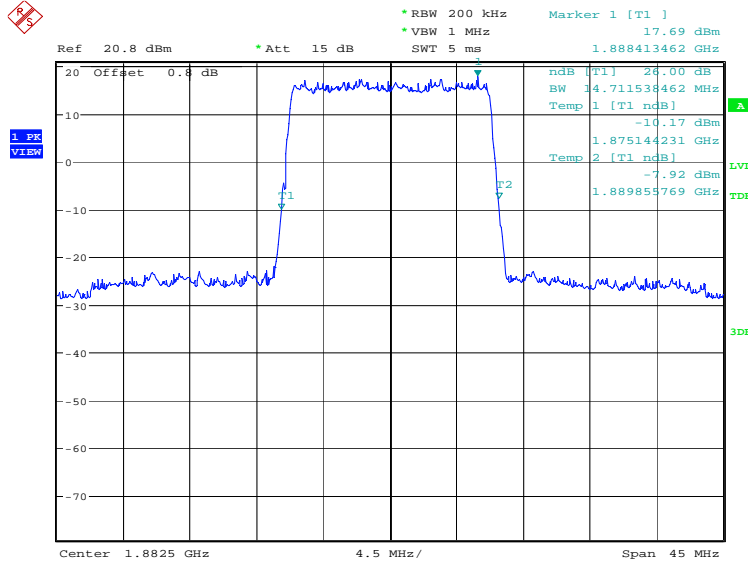


Date: 4.MAR.2022 11:04:15

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

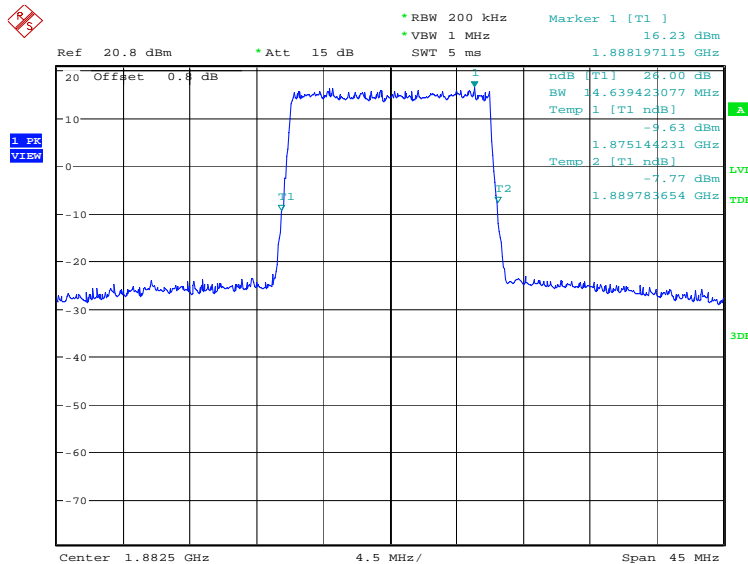
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1882.5	QPSK
	14711.54	14639.42

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



Date: 4.MAR.2022 11:04:59

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

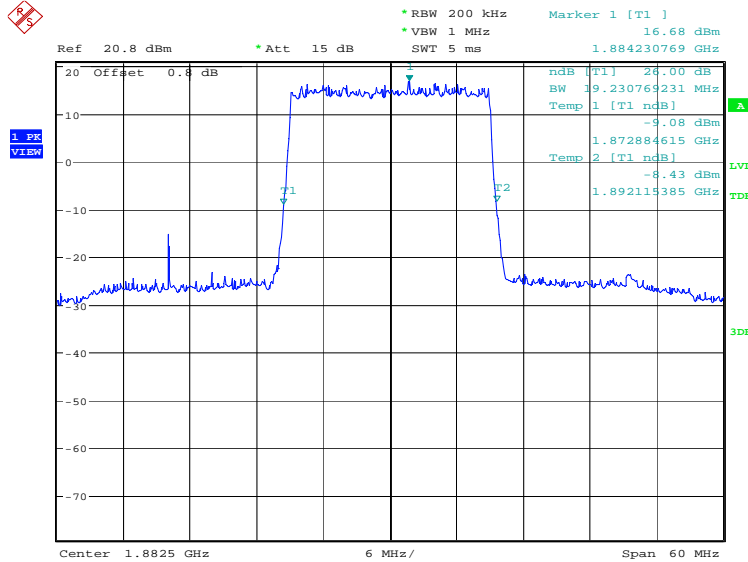


Date: 4.MAR.2022 11:05:39

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

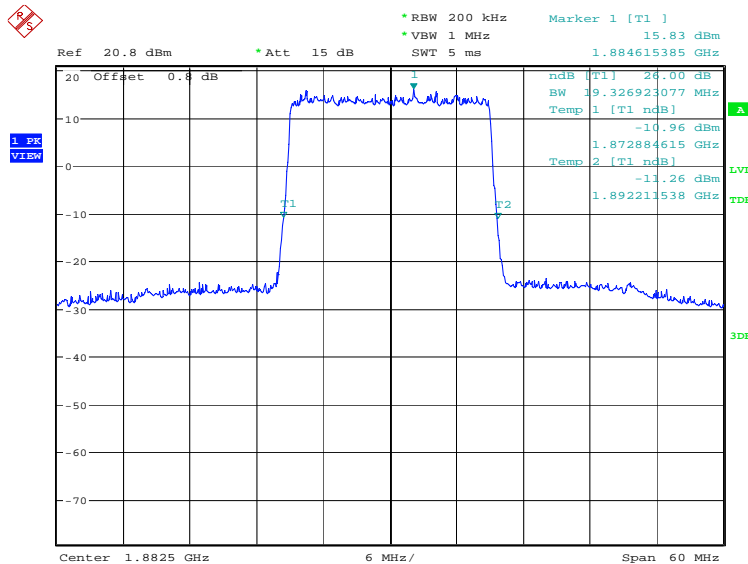
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1882.5	QPSK
	19230.77	19326.92

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



Date: 4.MAR.2022 11:06:23

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

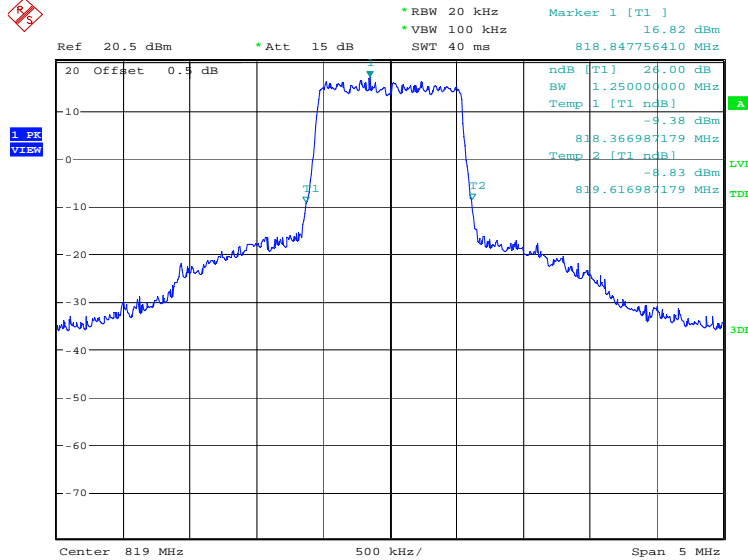


Date: 4.MAR.2022 11:07:02

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

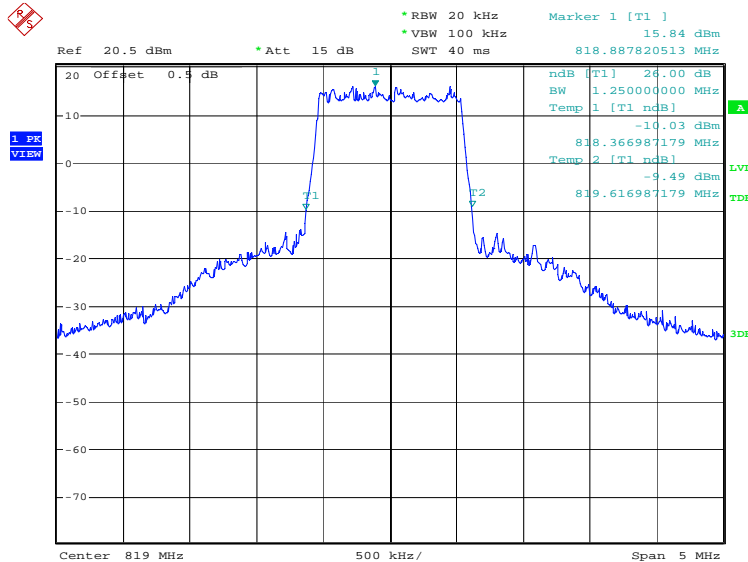
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	1250.00	1250.00

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



Date: 4.MAR.2022 11:16:21

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

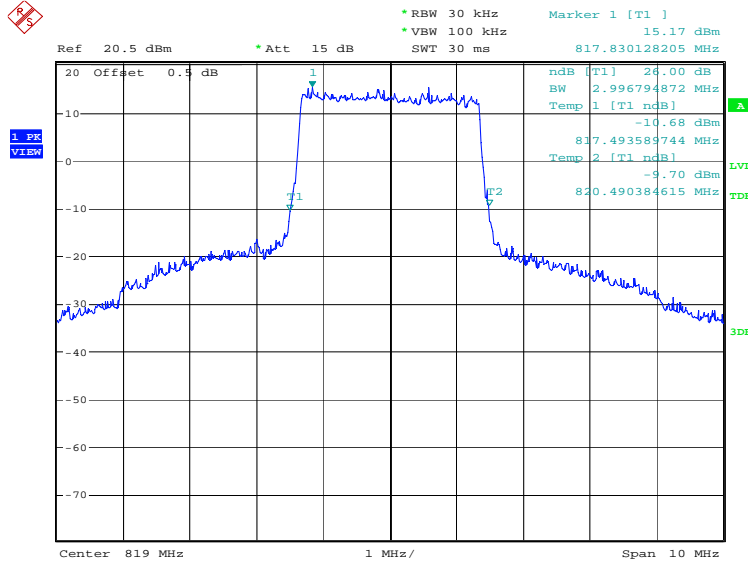


Date: 4.MAR.2022 11:17:01

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

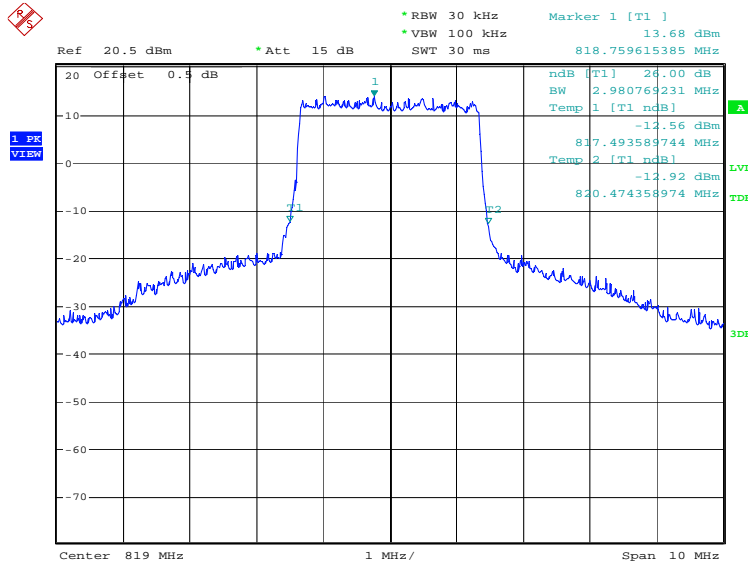
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	819.0	QPSK
	2996.79	2980.77

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



Date: 4.MAR.2022 11:17:45

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

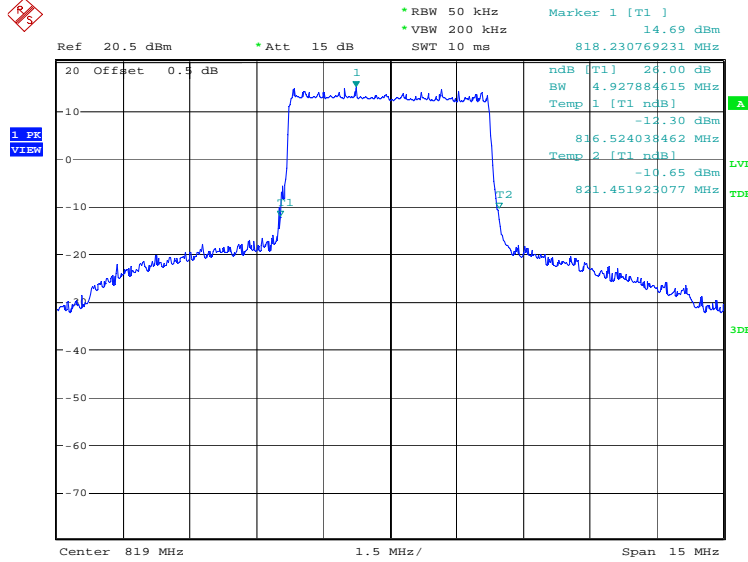


Date: 4.MAR.2022 11:18:25

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

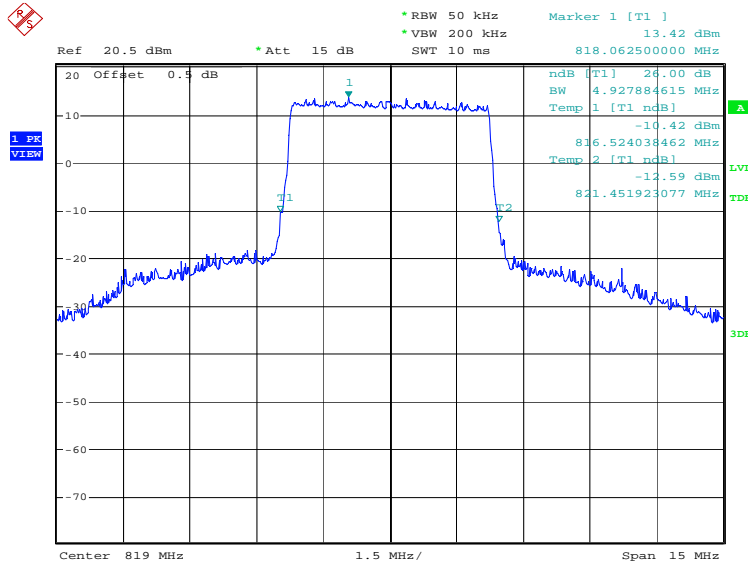
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	4927.88	4927.88

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



Date: 4.MAR.2022 11:19:09

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

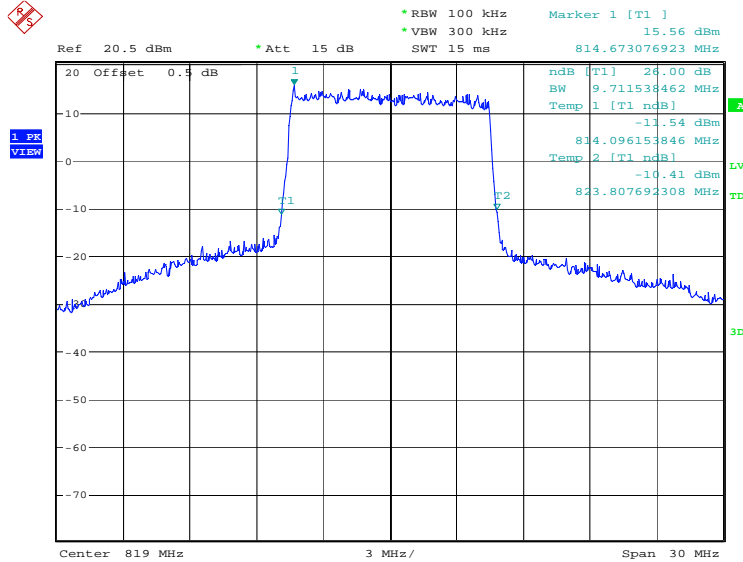


Date: 4.MAR.2022 11:19:48

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

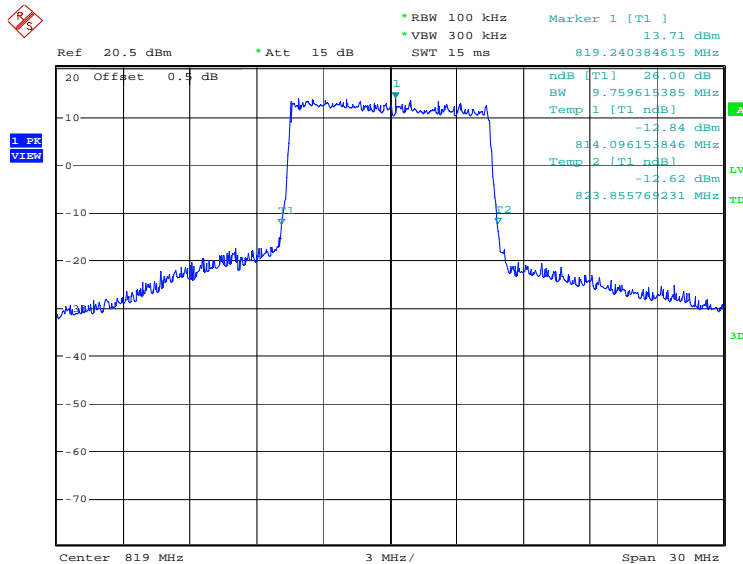
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	9711.54	9759.62

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



Date: 4.MAR.2022 11:20:32

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

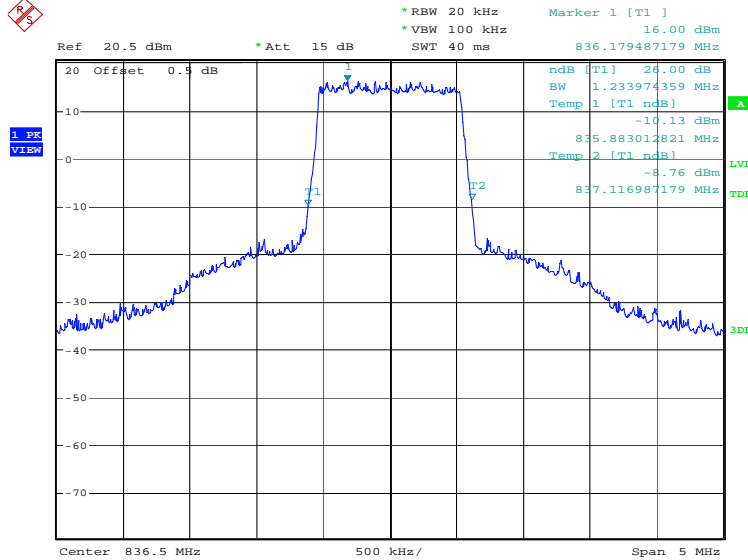


Date: 4.MAR.2022 11:21:12

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

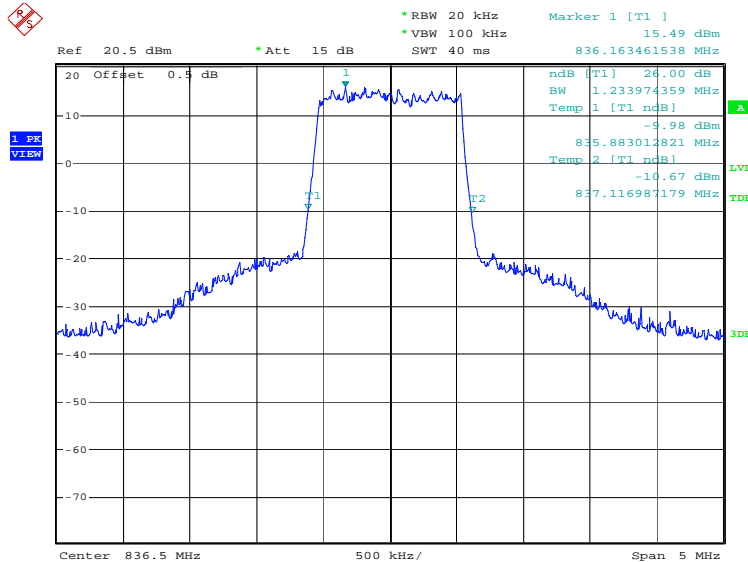
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	1233.97	1233.97

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



Date: 4.MAR.2022 11:08:41

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



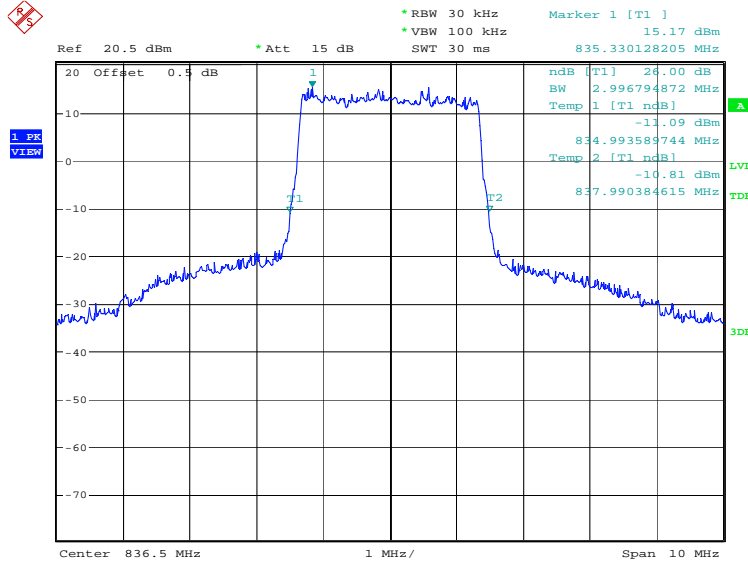
Date: 4.MAR.2022 11:09:21



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

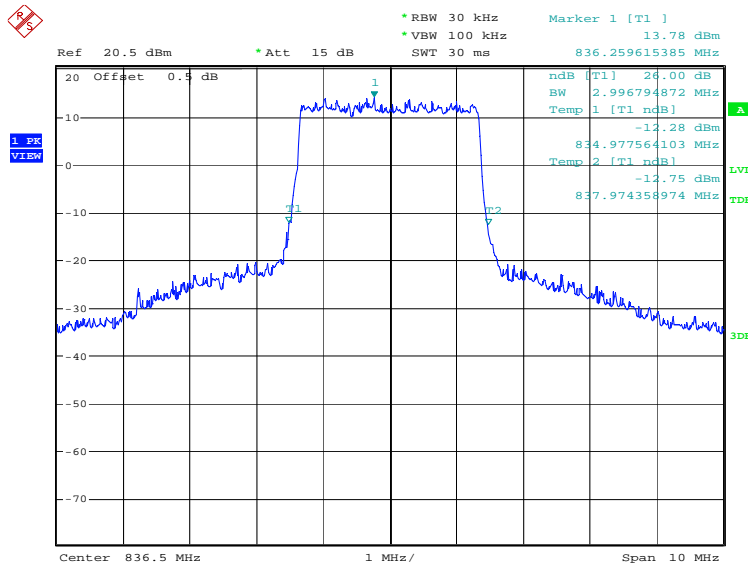
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	2996.79	2996.79

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



Date: 4.MAR.2022 11:10:05

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

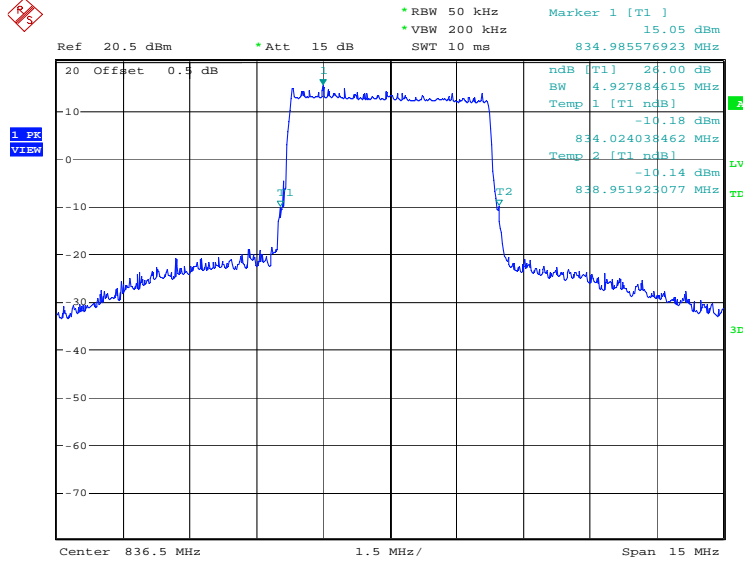


Date: 4.MAR.2022 11:10:45

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

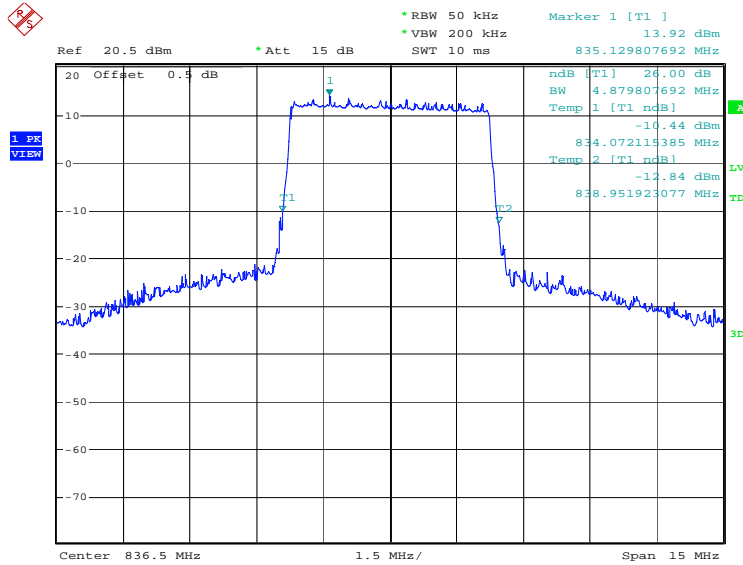
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	4927.88	4879.81

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



Date: 4.MAR.2022 11:11:28

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

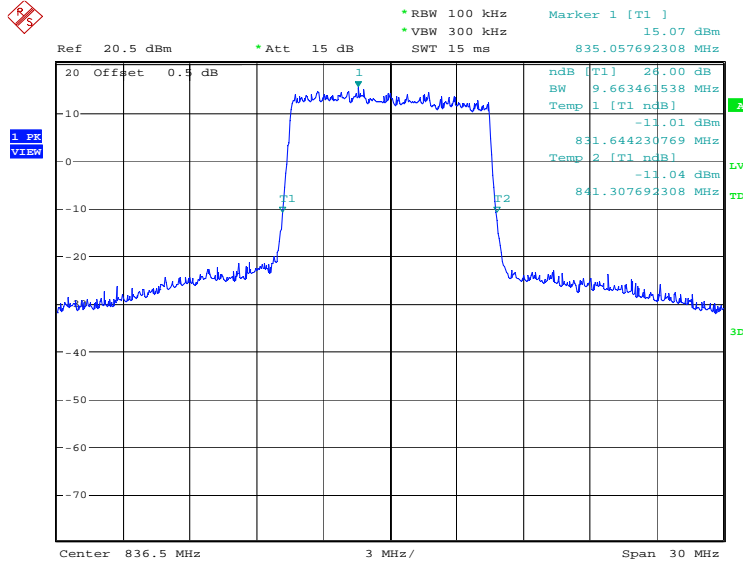


Date: 4.MAR.2022 11:12:08

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

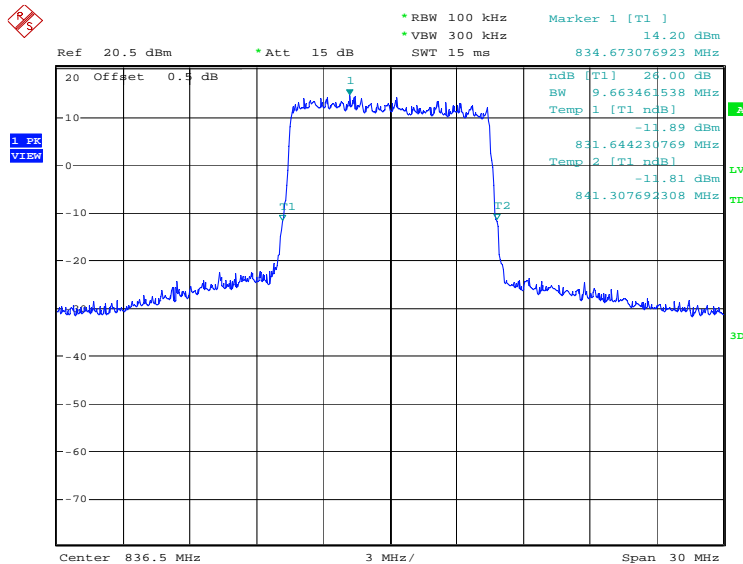
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	9663.46	9663.46

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



Date: 4.MAR.2022 11:12:52

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

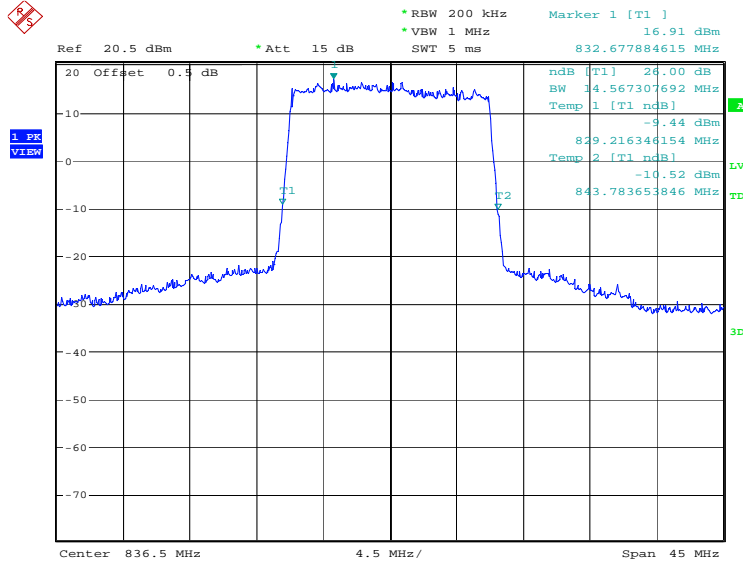


Date: 4.MAR.2022 11:13:32

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

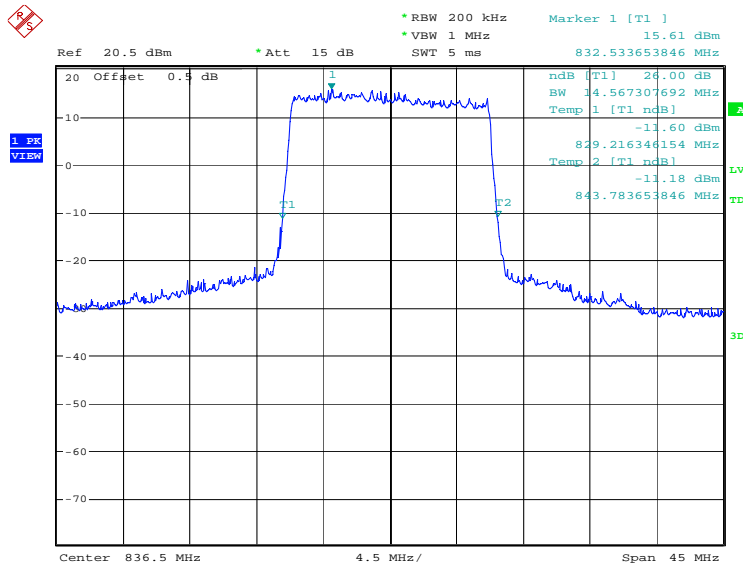
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	14567.31	14567.31

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



Date: 4.MAR.2022 11:14:16

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



Date: 4.MAR.2022 11:14:55