

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5022.02	-60.86	6.57	11.34	-56.09	-25.00	31.09	V
7511.01	-51.82	8.35	10.30	-49.87	-25.00	24.87	H
9996.01	-54.31	9.18	11.91	-51.58	-25.00	26.58	H
12493.01	-53.49	10.19	13.31	-50.37	-25.00	25.37	H
15015.00	-52.94	11.24	14.52	-49.66	-25.00	24.66	H
17510.00	-44.80	12.76	13.03	-44.53	-25.00	19.53	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5085.02	-61.42	6.73	11.47	-56.68	-25.00	31.68	V
7590.01	-54.57	8.02	10.38	-52.21	-25.00	27.21	H
10146.01	-53.82	9.39	12.00	-51.21	-25.00	26.21	H
12671.01	-52.74	10.35	13.16	-49.93	-25.00	24.93	H
15196.00	-54.46	11.40	14.89	-50.97	-25.00	25.97	V
17764.00	-47.14	12.53	13.54	-46.13	-25.00	21.13	V

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5137.02	-60.84	6.86	11.57	-56.13	-25.00	31.13	H
7701.01	-55.79	8.43	10.70	-53.52	-25.00	28.52	V
10253.01	-52.96	9.48	12.00	-50.44	-25.00	25.44	H
12847.01	-52.74	10.64	12.85	-50.53	-25.00	25.53	V
15395.00	-54.28	11.39	15.10	-50.57	-25.00	25.57	H
17953.00	-45.96	12.89	13.40	-45.45	-25.00	20.45	V

LTE Band CA 7C CH20805+20949_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5026.41	-61.91	6.56	11.35	-57.12	-25.00	32.12	H
7495.32	-55.26	8.38	10.29	-53.35	-25.00	28.35	H
10024.69	-54.29	9.25	11.92	-51.62	-25.00	26.62	H
12512.82	-53.78	10.21	13.30	-50.69	-25.00	25.69	V
15029.53	-53.06	11.26	14.53	-49.79	-25.00	24.79	H
17530.31	-46.19	12.84	13.09	-45.94	-25.00	20.94	H

LTE Band CA 7C CH21051+21171_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5040.01	-62.16	6.60	11.38	-57.38	-25.00	32.38	V
7600.32	-55.36	7.97	10.40	-52.93	-25.00	27.93	H
10120.79	-53.64	9.43	12.00	-51.07	-25.00	26.07	V
12637.50	-53.12	10.40	13.22	-50.30	-25.00	25.30	V
15152.35	-54.21	11.38	14.76	-50.83	-25.00	25.83	H
17682.66	-47.27	12.35	13.55	-46.07	-25.00	21.07	H

LTE Band CA 7CCH21277+21397_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5089.23	-61.26	6.74	11.48	-56.52	-25.00	31.52	H
7634.54	-55.34	8.13	10.47	-53.00	-25.00	28.00	V
10200.47	-53.72	9.30	12.00	-51.02	-25.00	26.02	H
12736.88	-53.65	10.47	13.03	-51.09	-25.00	26.09	V
15292.50	-54.37	11.29	14.99	-50.67	-25.00	25.67	H
17883.75	-47.11	12.85	13.42	-46.54	-25.00	21.54	H

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1337.01	-58.46	3.16	7.22	2.15	-56.55	-13.00	43.55	H
2000.01	-52.44	4.05	7.60	2.15	-51.04	-13.00	38.04	H
2691.00	-48.61	4.78	9.80	2.15	-45.74	-13.00	32.74	H
3358.02	-63.61	5.33	10.50	2.15	-60.59	-13.00	47.59	V
4024.02	-59.69	6.05	10.40	2.15	-57.49	-13.00	44.49	V
4699.02	-60.79	6.50	11.20	2.15	-58.24	-13.00	45.24	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1429.01	-58.38	3.27	7.86	2.15	-55.94	-13.00	42.94	H
2130.00	-52.09	4.22	8.32	2.15	-50.14	-13.00	37.14	H
2822.00	-49.41	4.94	10.59	2.15	-45.91	-13.00	32.91	V
3526.02	-63.33	5.58	10.60	2.15	-60.46	-13.00	47.46	H
4244.02	-59.16	6.25	10.59	2.15	-56.97	-13.00	43.97	V
4961.01	-60.26	6.67	11.22	2.15	-57.86	-13.00	44.86	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1439.01	-58.03	3.29	7.88	2.15	-55.59	-13.00	42.59	H
2150.00	-52.09	4.25	8.60	2.15	-49.89	-13.00	36.89	H
2850.00	-48.94	4.96	10.70	2.15	-45.35	-13.00	32.35	H
3577.02	-61.62	6.10	10.60	2.15	-59.27	-13.00	46.27	H
4279.02	-60.17	6.21	10.72	2.15	-57.81	-13.00	44.81	V
5017.01	-59.97	6.57	11.33	2.15	-57.36	-13.00	44.36	H

LTE Band 13, 5MHz, QPSK, Channel 23205

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1559.11	-70.78	3.47	9.09	0.00	-67.31	-40.00	27.31	H
2340.36	-53.17	4.45	10.08	2.15	-49.69	-13.00	36.69	H
3120.52	-62.35	5.39	10.22	2.15	-59.67	-13.00	46.67	H
3900.52	-61.67	6.11	10.40	2.15	-59.53	-13.00	46.53	H
4674.02	-61.97	6.48	11.15	2.15	-59.45	-13.00	46.45	V
5461.01	-59.82	6.91	11.28	2.15	-57.60	-13.00	44.60	V

LTE Band 13, 5MHz, QPSK, Channel 23230

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1564.20	-69.64	3.48	9.14	0.00	-66.13	-40.00	26.13	H
2343.92	-53.24	4.45	10.09	2.15	-49.75	-13.00	36.75	H
3123.52	-62.51	5.40	10.21	2.15	-59.85	-13.00	46.85	H
3905.02	-62.00	6.11	10.39	2.15	-59.87	-13.00	46.87	H
4693.02	-60.29	6.50	11.19	2.15	-57.75	-13.00	44.75	V
5470.01	-59.21	6.95	11.26	2.15	-57.05	-13.00	44.05	H

LTE Band 13, 5MHz, QPSK, Channel 23255

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1569.40	-70.57	3.48	9.19	0.00	-67.01	-40.00	27.01	H
2338.98	-52.61	4.44	10.08	2.15	-49.12	-13.00	36.12	H
3124.02	-62.17	5.40	10.20	2.15	-59.52	-13.00	46.52	V
3929.02	-62.25	6.12	10.34	2.15	-60.18	-13.00	47.18	H
4701.52	-60.77	6.51	11.21	2.15	-58.22	-13.00	45.22	H
5494.01	-58.68	7.04	11.21	2.15	-56.66	-13.00	43.66	V

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

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1635.01	-57.54	3.55	9.50	2.15	-53.74	-13.00	40.74	H
2487.00	-51.15	4.61	10.25	2.15	-47.66	-13.00	34.66	H
3304.02	-63.99	5.29	10.41	2.15	-61.02	-13.00	48.02	V
4126.02	-61.29	6.04	10.40	2.15	-59.08	-13.00	46.08	H
4966.01	-59.78	6.66	11.23	2.15	-57.36	-13.00	44.36	V
5785.01	-58.50	7.21	11.03	2.15	-56.83	-13.00	43.83	V

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

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1680.01	-58.97	3.59	9.56	2.15	-55.15	-13.00	42.15	H
2518.00	-50.39	4.64	10.16	2.15	-47.02	-13.00	34.02	H
3339.02	-63.75	5.31	10.48	2.15	-60.73	-13.00	47.73	V
4192.02	-60.05	6.19	10.48	2.15	-57.91	-13.00	44.91	H
5031.01	-58.34	6.58	11.36	2.15	-55.71	-13.00	42.71	V
5868.01	-59.38	7.29	10.69	2.15	-58.13	-13.00	45.13	H

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

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1695.01	-59.11	3.60	9.59	2.15	-55.27	-13.00	42.27	H
2527.00	-50.43	4.65	10.15	2.15	-47.08	-13.00	34.08	H
3392.02	-63.34	5.35	10.50	2.15	-60.34	-13.00	47.34	H
4251.02	-60.25	6.24	10.60	2.15	-58.04	-13.00	45.04	V
5108.01	-59.41	6.79	11.52	2.15	-56.83	-13.00	43.83	H
5957.01	-57.89	7.47	10.49	2.15	-57.02	-13.00	44.02	V

LTE Band 26(814MHz~824MHz), 1.4MHz, QPSK, Channel 26697

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1616.01	-58.17	3.54	9.50	2.15	-54.36	-13.00	41.36	H
2443.00	-51.88	4.56	10.40	2.15	-48.19	-13.00	35.19	V
7350.01	-52.41	8.11	10.00	2.15	-52.67	-13.00	39.67	H
8162.01	-53.19	8.44	11.30	2.15	-52.48	-13.00	39.48	V
8964.00	-52.17	9.07	11.63	2.15	-51.76	-13.00	38.76	H
9763.00	-52.14	8.95	12.00	2.15	-51.24	-13.00	38.24	H

LTE Band 26(814MHz~824MHz), 1.4MHz, QPSK, Channel 26740

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1648.01	-57.53	3.56	9.50	2.15	-53.74	-13.00	40.74	H
2445.00	-33.96	4.57	10.40	2.15	-30.28	-13.00	17.28	V
3282.02	-62.68	5.28	10.36	2.15	-59.75	-13.00	46.75	V
4076.02	-61.07	6.04	10.40	2.15	-58.86	-13.00	45.86	V
4907.01	-60.40	6.73	11.37	2.15	-57.91	-13.00	44.91	H
5736.01	-58.06	7.28	11.13	2.15	-56.36	-13.00	43.36	H

LTE Band 26(814MHz~824MHz), 1.4MHz, QPSK, Channel 26783

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polorization
1628.01	-58.98	3.55	9.50	2.15	-55.18	-13.00	42.18	H
2461.00	-51.89	4.58	10.36	2.15	-48.26	-13.00	35.26	V
7400.01	-53.31	8.12	10.10	2.15	-53.48	-13.00	40.48	H
8240.01	-52.97	8.58	11.30	2.15	-52.40	-13.00	39.40	V
9042.00	-51.89	9.09	11.78	2.15	-51.35	-13.00	38.35	H
9898.00	-51.32	9.09	12.00	2.15	-50.56	-13.00	37.56	V

LTE Band 38, 5MHz, QPSK, Channel 37775

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5149.02	-61.11	6.88	11.60	-56.39	-25.00	31.39	H
7730.01	-55.13	8.38	10.70	-52.81	-25.00	27.81	V
10262.01	-54.14	9.51	12.00	-51.65	-25.00	26.65	H
12843.01	-52.65	10.66	12.86	-50.45	-25.00	25.45	H
15463.00	-54.33	11.48	15.23	-50.58	-25.00	25.58	V
18000.00	-46.52	12.90	13.40	-46.02	-25.00	21.02	V

LTE Band 38, 5MHz, QPSK, Channel 38000

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5161.02	-62.05	6.90	11.62	-57.33	-25.00	32.33	H
7816.01	-55.61	8.31	10.96	-52.96	-25.00	27.96	V
10377.01	-52.91	9.76	12.08	-50.59	-25.00	25.59	V
12980.01	-52.28	10.47	12.72	-50.03	-25.00	25.03	H
15565.00	-53.38	11.50	15.37	-49.51	-25.00	24.51	H
16834.00	-50.94	12.07	14.03	-48.98	-25.00	23.98	H

LTE Band 38, 5MHz, QPSK, Channel 38225

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5241.02	-59.98	7.00	11.70	-55.28	-25.00	30.28	H
7846.01	-55.40	8.35	11.08	-52.67	-25.00	27.67	V
10490.01	-52.47	9.67	12.19	-49.95	-25.00	24.95	V
13086.01	-51.16	10.87	12.70	-49.33	-25.00	24.33	V
15725.00	-53.74	11.62	15.20	-50.16	-25.00	25.16	H
17036.00	-49.44	12.48	13.79	-48.13	-25.00	23.13	H

LTE Band CA 38C CH37825+37975_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5153.45	-62.18	6.89	11.61	-57.46	-25.00	32.46	H
7723.60	-55.11	8.39	10.70	-52.80	-25.00	27.80	V
10332.66	-52.62	9.69	12.03	-50.28	-25.00	25.28	V
12866.72	-53.32	10.59	12.83	-51.08	-25.00	26.08	H
15443.91	-54.32	11.46	15.19	-50.59	-25.00	25.59	V
16758.28	-53.06	11.95	14.08	-50.93	-25.00	25.93	V

LTE Band CA 38C CH37925+38075_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5148.76	-61.74	6.88	11.60	-57.02	-25.00	32.02	V
7772.82	-55.31	8.33	10.79	-52.85	-25.00	27.85	H
10353.76	-53.30	9.73	12.05	-50.98	-25.00	25.98	V
12945.47	-53.76	10.49	12.75	-51.50	-25.00	26.50	V
15495.94	-54.79	11.53	15.29	-51.03	-25.00	26.03	H
16815.47	-51.64	12.10	14.02	-49.72	-25.00	24.72	V

LTE Band CA 38C CH38025+38175_QPSK

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5166.10	-62.55	6.91	11.63	-57.83	-25.00	32.83	H
7793.44	-55.88	8.30	10.87	-53.31	-25.00	28.31	H
10373.91	-53.19	9.76	12.07	-50.88	-25.00	25.88	V
12993.75	-53.30	10.47	12.71	-51.06	-25.00	26.06	V
15575.16	-55.39	11.50	15.38	-51.51	-25.00	26.51	V
16900.78	-51.76	12.00	14.10	-49.66	-25.00	24.66	V

LTE Band 41, 5MHz, QPSK, Channel 39657

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5000.02	-57.74	6.60	11.30	-53.04	-25.00	28.04	H
7494.01	-55.54	8.38	10.29	-53.63	-25.00	28.63	V
9993.01	-53.76	9.17	11.91	-51.02	-25.00	26.02	H
12491.01	-53.95	10.20	13.31	-50.84	-25.00	25.84	V
14993.00	-52.69	11.21	14.47	-49.43	-25.00	24.43	V
17492.00	-44.97	12.71	13.03	-44.65	-25.00	19.65	H

LTE Band 41, 5MHz, QPSK, Channel 40620

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5168.02	-62.35	6.91	11.64	-57.62	-25.00	32.62	V
7801.01	-54.49	8.29	10.90	-51.88	-25.00	26.88	H
10355.01	-53.23	9.73	12.06	-50.90	-25.00	25.90	H
12978.01	-52.05	10.48	12.72	-49.81	-25.00	24.81	V
15536.00	-54.94	11.52	15.34	-51.12	-25.00	26.12	V
16868.00	-51.05	12.03	14.07	-49.01	-25.00	24.01	H

LTE Band 41, 5MHz, QPSK, Channel 41565

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
5380.02	-60.76	6.87	11.44	-56.19	-25.00	31.19	V
8064.01	-52.51	8.32	11.27	-49.56	-25.00	24.56	H
10766.01	-52.44	9.47	12.17	-49.74	-25.00	24.74	V
13440.01	-51.64	10.60	12.44	-49.80	-25.00	24.80	H
16148.00	-54.13	11.79	15.26	-50.66	-25.00	25.66	H
17475.00	-45.67	12.67	13.10	-45.24	-25.00	20.24	H

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3422.02	-75.30	5.38	10.46	-70.22	-13.00	57.22	H
5136.02	-57.82	6.86	11.57	-53.11	-13.00	40.11	H
6855.01	-67.32	7.82	10.39	-64.75	-13.00	51.75	H
8605.01	-65.22	8.49	11.39	-62.32	-13.00	49.32	H
10242.01	-63.85	9.44	12.00	-61.29	-13.00	48.29	H
11933.01	-63.50	10.36	13.13	-60.73	-13.00	47.73	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3490.02	-75.37	5.50	10.56	-70.31	-13.00	57.31	H
5239.02	-60.60	7.00	11.70	-55.90	-13.00	42.90	H
6985.01	-67.49	8.18	10.40	-65.27	-13.00	52.27	V
8675.01	-65.29	8.39	11.30	-62.38	-13.00	49.38	H
10467.01	-63.57	9.70	12.17	-61.10	-13.00	48.10	H
12170.01	-63.81	10.15	13.31	-60.65	-13.00	47.65	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency (MHz)	P _{Mea} (dBm)	P _{pl} (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polorization
3612.02	-74.29	6.46	10.60	-70.15	-13.00	57.15	H
5339.02	-64.79	6.96	11.52	-60.23	-13.00	47.23	H
7157.01	-66.61	8.18	10.46	-64.33	-13.00	51.33	V
8934.01	-64.77	8.97	11.57	-62.17	-13.00	49.17	V
10726.01	-63.39	9.37	12.13	-60.63	-13.00	47.63	H
12496.01	-63.69	10.18	13.30	-60.57	-13.00	47.57	V

Note: Peak EIRP (dBm) = P_{Mea}(dBm) - Path Loss(dB) + Antenna Gain(dBi)

Note: Expanded measurement uncertainty is U = 5.76 dB, k = 2.

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 decrements 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 _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	1850.833	1909.199		
50				-0.72	0.0004
40				-0.36	0.0002
30				-0.41	0.0002
10				-0.79	0.0004
0				-1.34	0.0007
-10				-1.02	0.0005
-20				-0.16	0.0001
-30				-1.33	0.0007

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	1850.833	1909.199	-0.57	0.0003
4.4				7.60	0.0040

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

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	1710.833	1754.199		
50				-0.11	0.0001
40				1.46	0.0008
30				0.87	0.0005
10				0.11	0.0001
0				-0.20	0.0001
-10				-0.44	0.0003
-20				-0.11	0.0001
-30				-1.34	0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	1710.833	1754.199	0.29	0.0002
4.4				7.98	0.0046

LTE Band 7, 20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2500.545	2569.455		
50				8.17	0.0032
40				-1.76	0.0007
30				9.04	0.0036
10				6.92	0.0027
0				9.27	0.0037
-10				7.78	0.0031
-20				8.61	0.0034
-30				9.46	0.0037

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	2500.545	2569.455	-12.02	0.0047
4.4				8.17	0.0032

LTE Band 12, 10MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	699.481	715.519		
50				-0.36	0.0005
40				0.41	0.0006
30				0.74	0.0010
10				0.10	0.0001
0				-0.26	0.0004
-10				5.26	0.0074
-20				0.30	0.0004
-30				-0.44	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	699.481	715.519	5.56	0.0079
4.4				0.23	0.0003

LTE Band 13, 10MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	777.465	786.519		
50				-1.46	0.0019
40				-7.71	0.0099
30				-1.49	0.0019
10				-0.13	0.0002
0				0.63	0.0008
-10				-7.15	0.0091
-20				-6.68	0.0085
-30				-1.62	0.0021

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	777.465	786.519	-0.53	0.0007
4.4				-1.70	0.0022

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

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	814.385	823.611		
50				-0.06	0.0001
40				-5.41	0.0066
30				1.20	0.0015
10				1.23	0.0015
0				0.26	0.0003
-10				1.09	0.0013
-20				-5.82	0.0071
-30				-5.78	0.0071

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	814.385	823.611	-5.69	0.0069
4.4				0.23	0.0003

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

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	824.577	848.471		
50				0.47	0.0006
40				6.35	0.0076
30				6.38	0.0076
10				0.44	0.0005
0				5.92	0.0071
-10				0.60	0.0007
-20				6.52	0.0078
-30				-0.51	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	824.577	848.471	-0.73	0.0009
4.4				0.40	0.0005

LTE Band 38, 20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2570.545	2619.519		
50				14.82	0.0057
40				12.52	0.0048
30				13.68	0.0053
10				-1.89	0.0007
0				1.29	0.0005
-10				-0.11	0.0000
-20				-1.47	0.0006
-30				-0.16	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	2570.545	2619.519	-1.13	0.0004
4.4				-0.01	0.0000

LTE Band 41, 20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2496.449	2689.455		
50				15.72	0.0061
40				2.53	0.0010
30				1.95	0.0008
10				0.40	0.0002
0				14.33	0.0055
-10				1.97	0.0008
-20				1.19	0.0005
-30				2.09	0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	2496.449	2689.455	15.35	0.0059
4.4				3.45	0.0013

LTE Band 66, 20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	1710.801	1779.199		
50				-1.47	0.0008
40				-0.03	0.0000
30				-0.92	0.0005
10				-1.00	0.0006
0				0.50	0.0003
-10				-0.36	0.0002
-20				-0.27	0.0002
-30				0.60	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	1710.801	1779.199	-1.69	0.0010
4.4				-1.13	0.0006

LTE CA band 7C, 20MHz+20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Voltage

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2500.420	2569.560		
50				6.09	0.0024
40				8.84	0.0035
30				9.83	0.0039
10				9.78	0.0039
0				10.93	0.0043
-10				11.23	0.0044
-20				11.60	0.0046
-30				11.82	0.0047

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	2500.420	2569.560	11.94	0.0047
4.4				12.99	0.0051

LTE CA band 38C, 20MHz+20MHz bandwidth QPSK (worst case of all bandwidths)
Frequency Error vs Voltage

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.85	2570.360	2619.620		
50				1.16	0.0004
40				2.43	0.0009
30				3.29	0.0013
10				3.38	0.0013
0				2.45	0.0009
-10				2.86	0.0011
-20				3.52	0.0014
-30				3.75	0.0014

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.55	20	2570.360	2619.620	3.35	0.0013
4.4				4.38	0.0017

Note: Expanded measurement uncertainty is $U = 0.01 \text{ PPM}$, $k = 2$.

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.

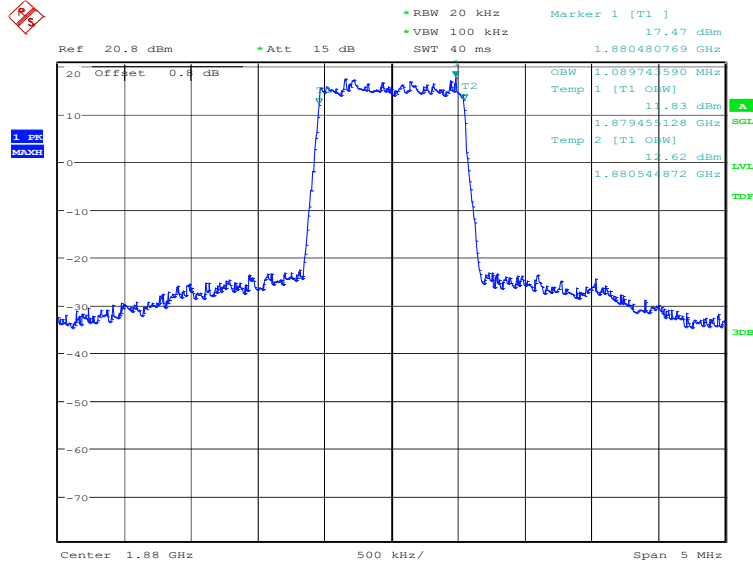
The measurement method is from ANSI C63.26:

- 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%)

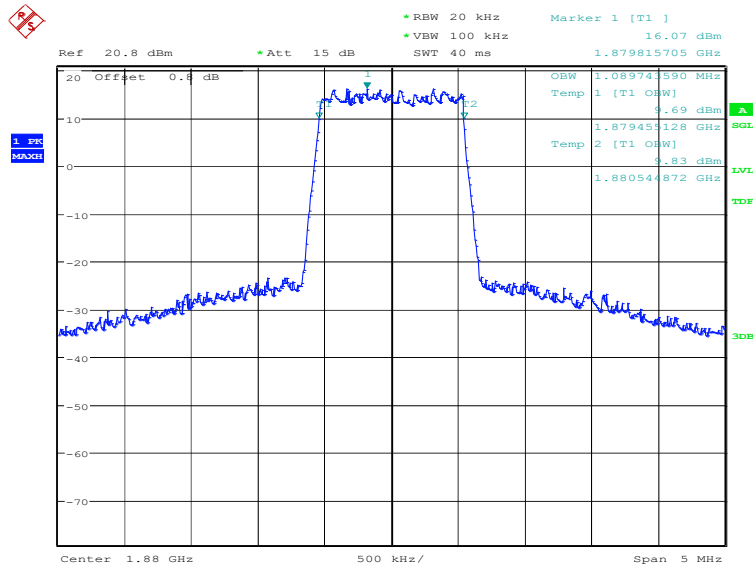
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 3.JUL.2023 14:13:02

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

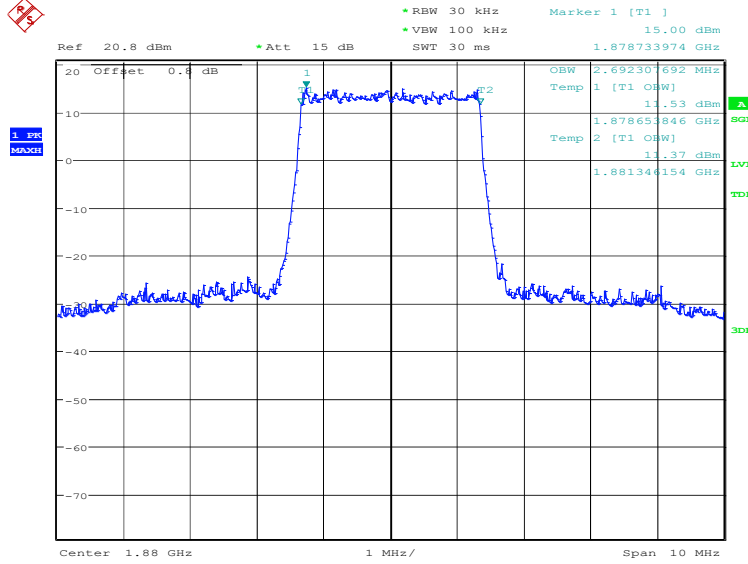


Date: 3.JUL.2023 14:13:42

LTE band 2, 3MHz (99%)

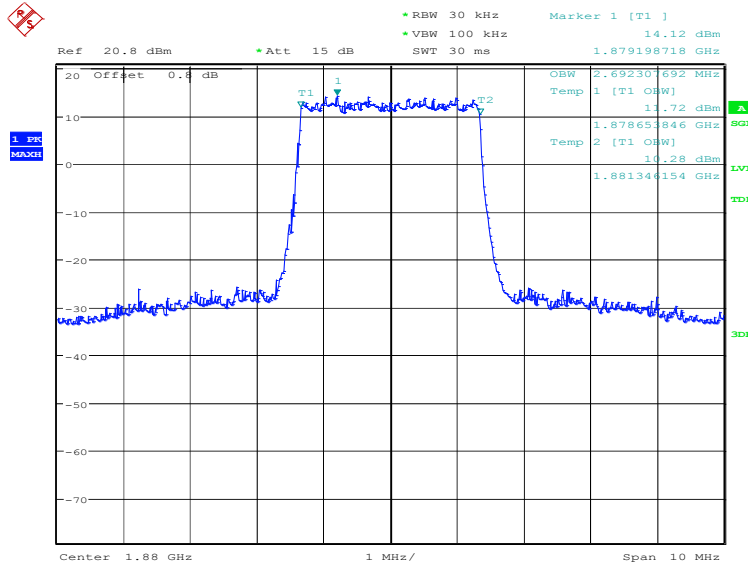
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 3.JUL.2023 14:14:27

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

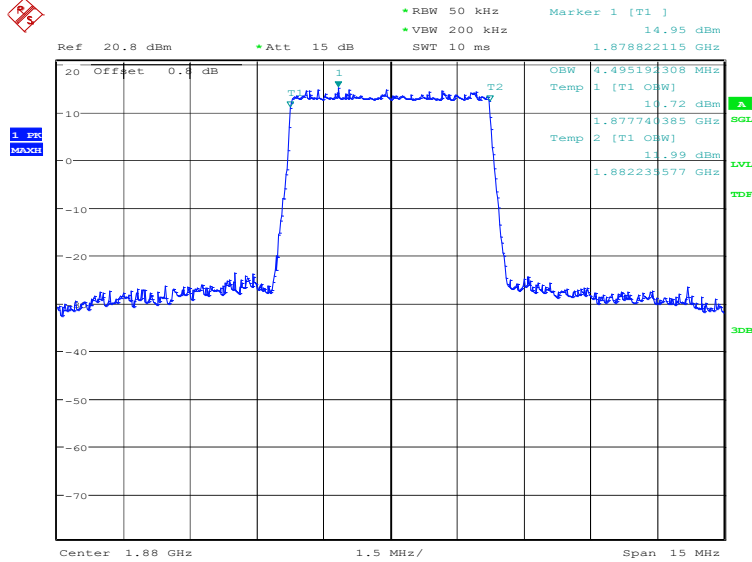


Date: 3.JUL.2023 14:15:07

LTE band 2, 5MHz (99%)

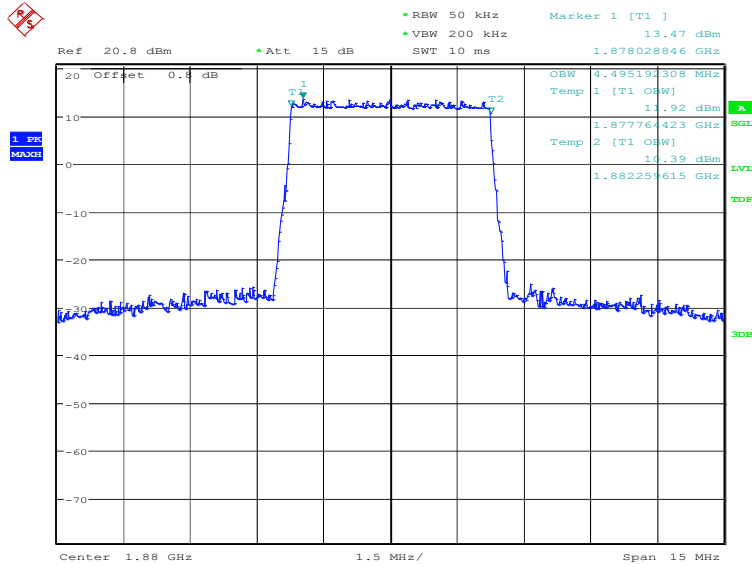
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 3.JUL.2023 14:15:52

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

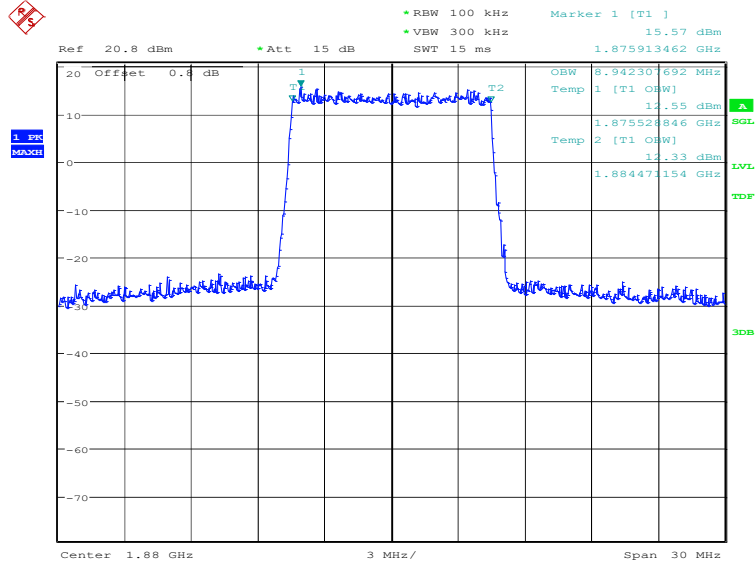


Date: 3.JUL.2023 14:16:32

LTE band 2, 10MHz (99%)

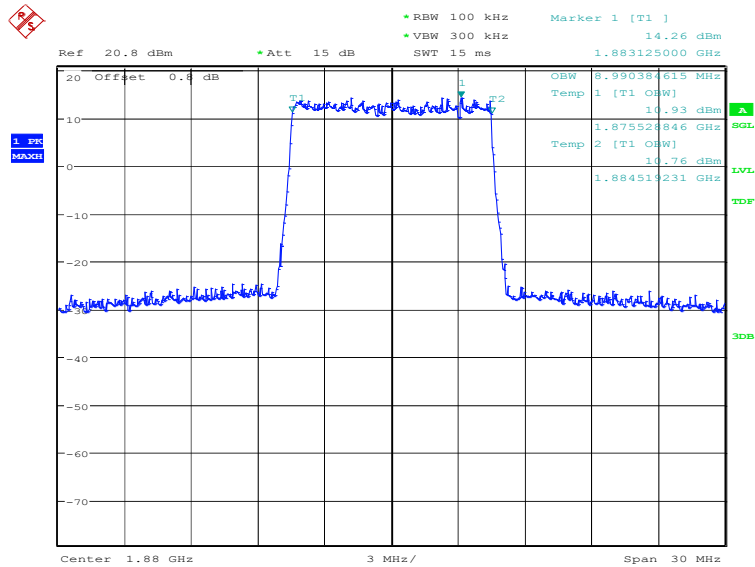
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	8942.31	8990.38

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



Date: 3.JUL.2023 14:17:17

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

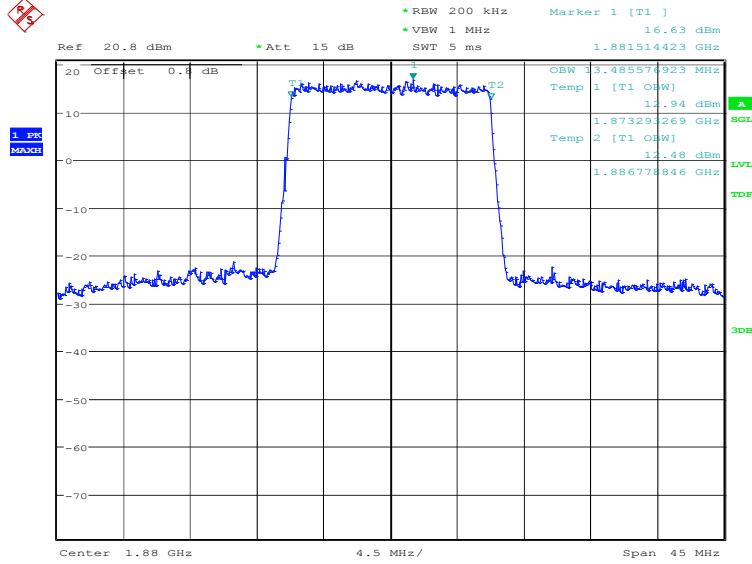


Date: 3.JUL.2023 14:17:58

LTE band 2, 15MHz (99%)

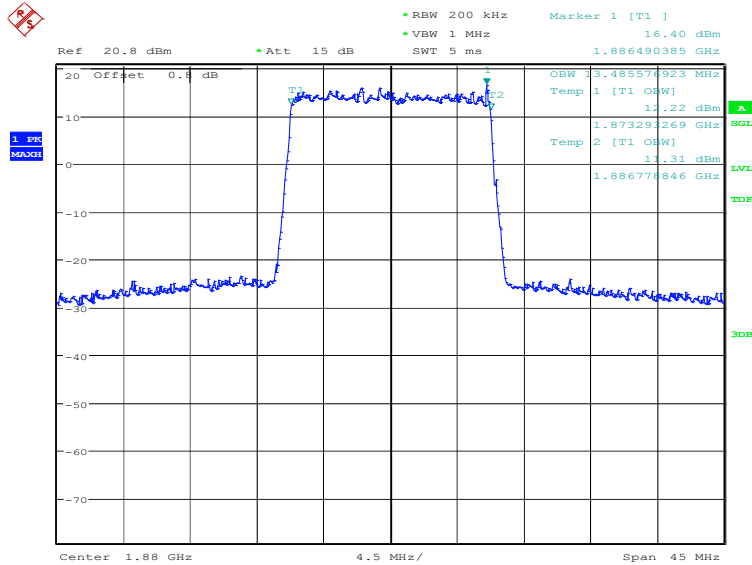
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 3.JUL.2023 14:18:53

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

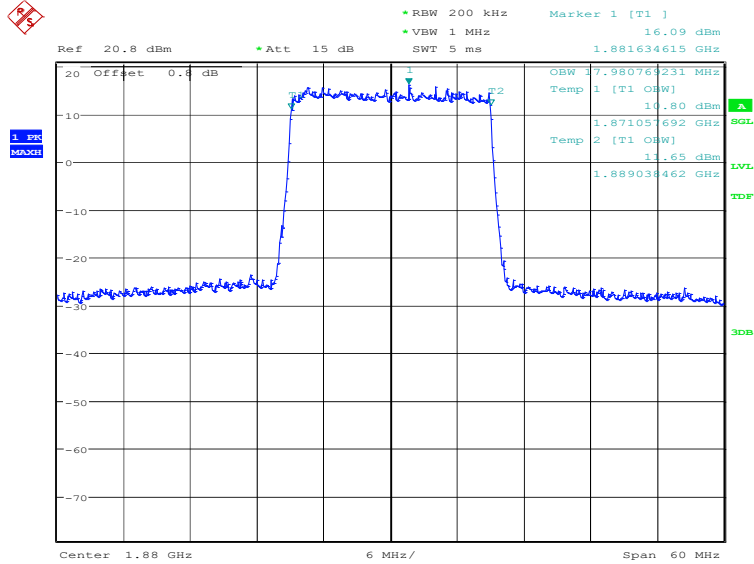


Date: 3.JUL.2023 14:19:33

LTE band 2, 20MHz (99%)

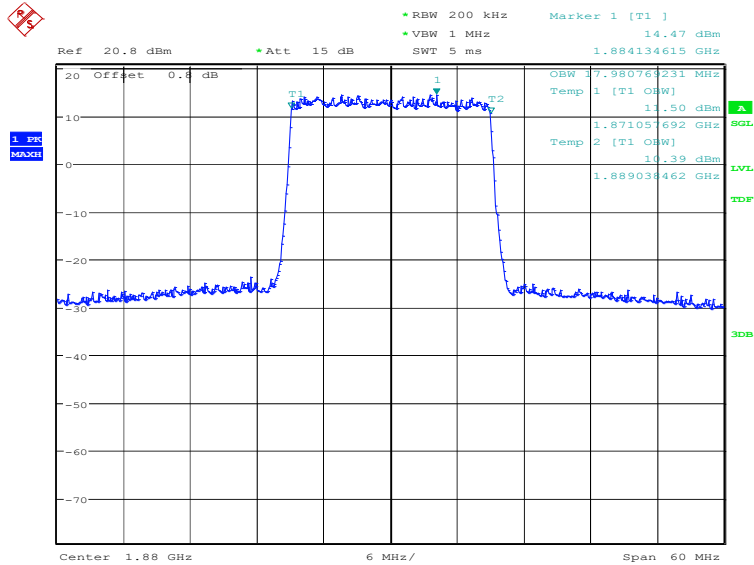
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1880.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 3.JUL.2023 14:20:18

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

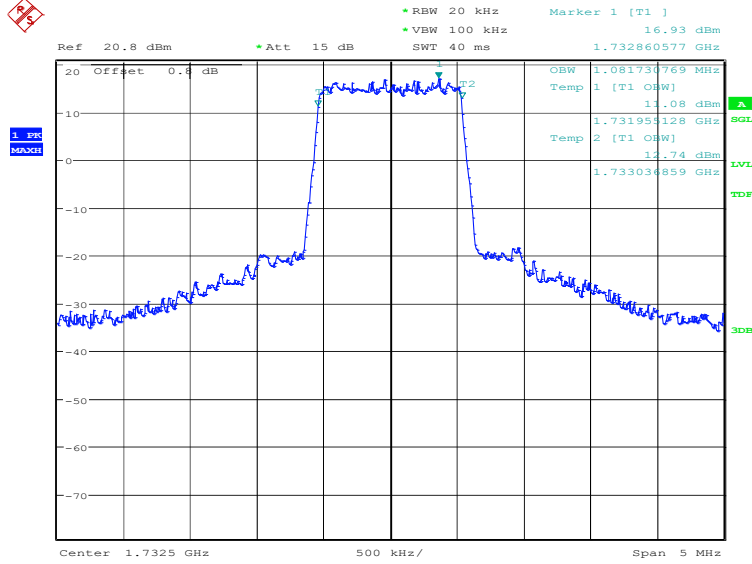


Date: 3.JUL.2023 14:20:59

LTE band 4, 1.4MHz (99%)

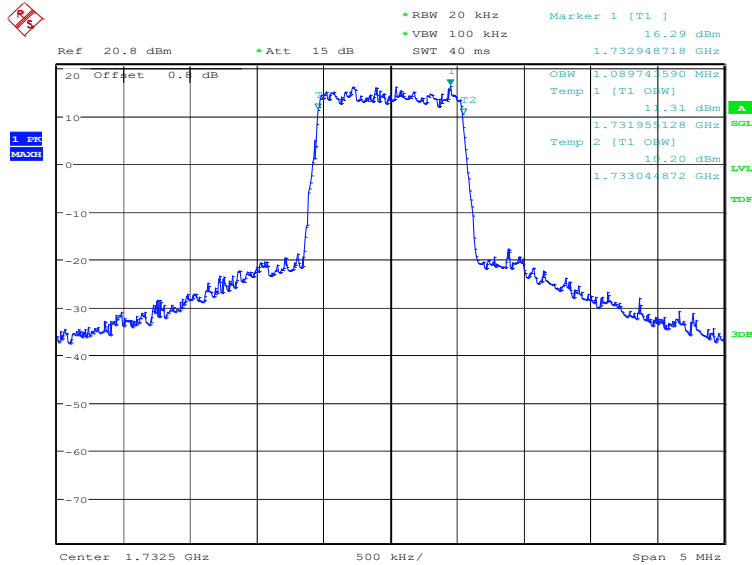
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	1081.73	1089.74

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



Date: 29.AUG.2023 08:48:00

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

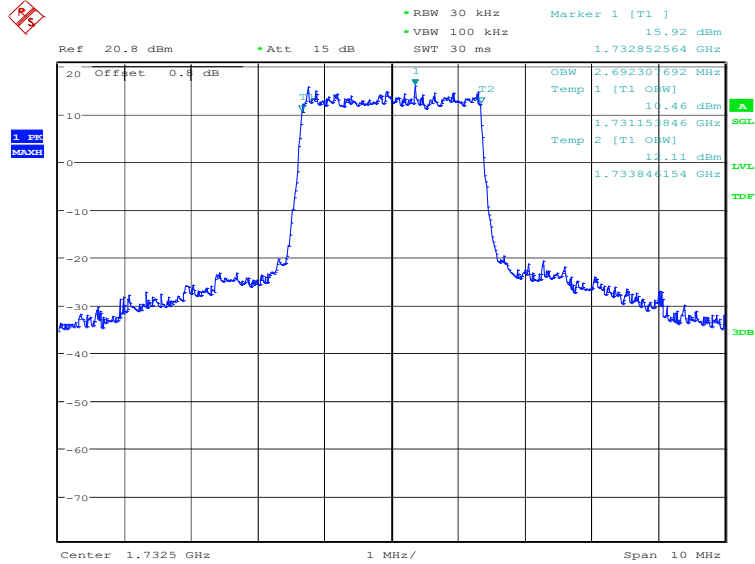


Date: 29.AUG.2023 08:48:40

LTE band 4, 3MHz (99%)

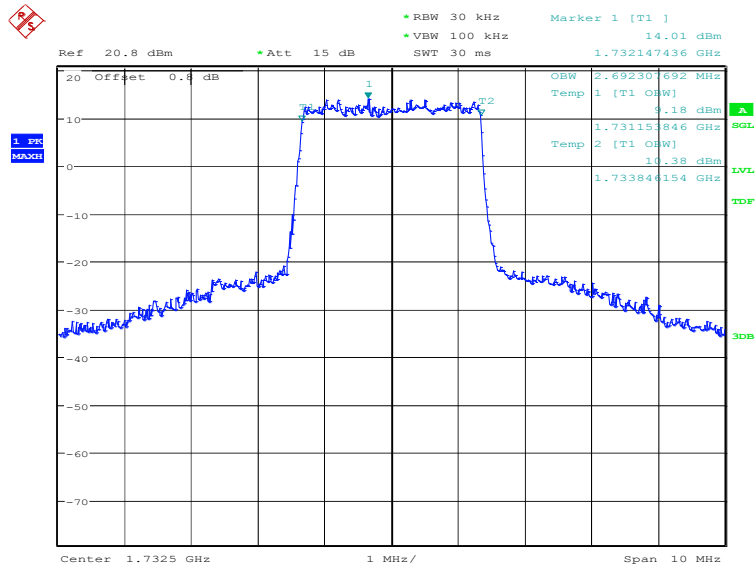
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 29.AUG.2023 08:49:25

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

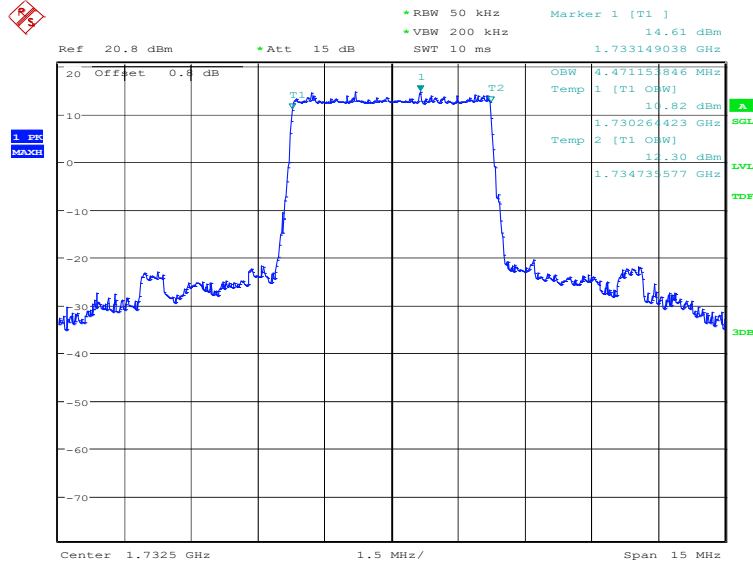


Date: 29.AUG.2023 08:50:05

LTE band 4, 5MHz (99%)

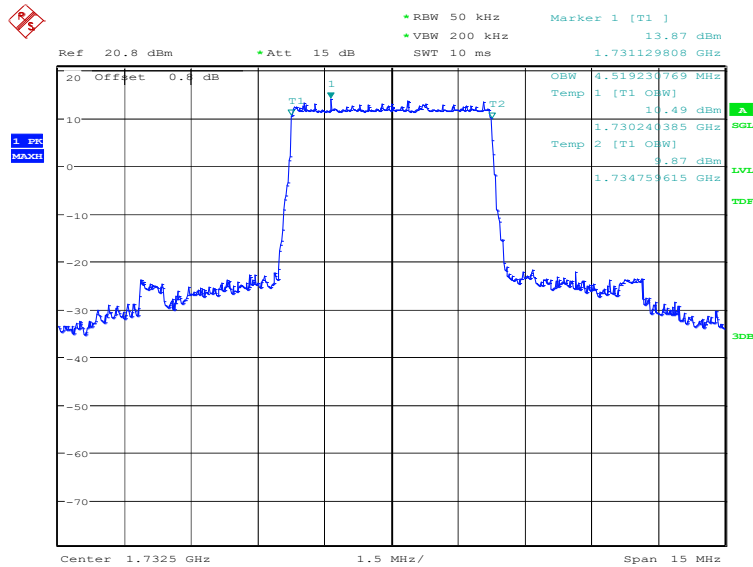
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 29.AUG.2023 08:50:51

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

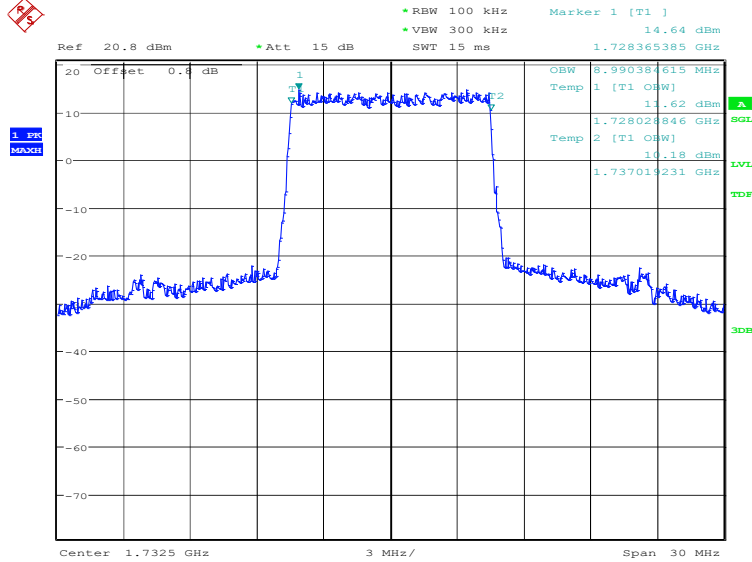


Date: 29.AUG.2023 08:51:31

LTE band 4, 10MHz (99%)

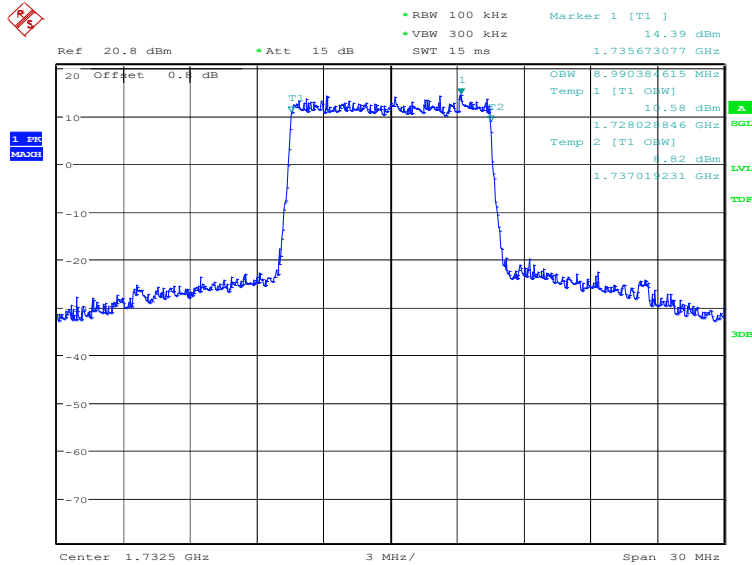
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	8990.38	8990.38

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



Date: 29.AUG.2023 08:52:16

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

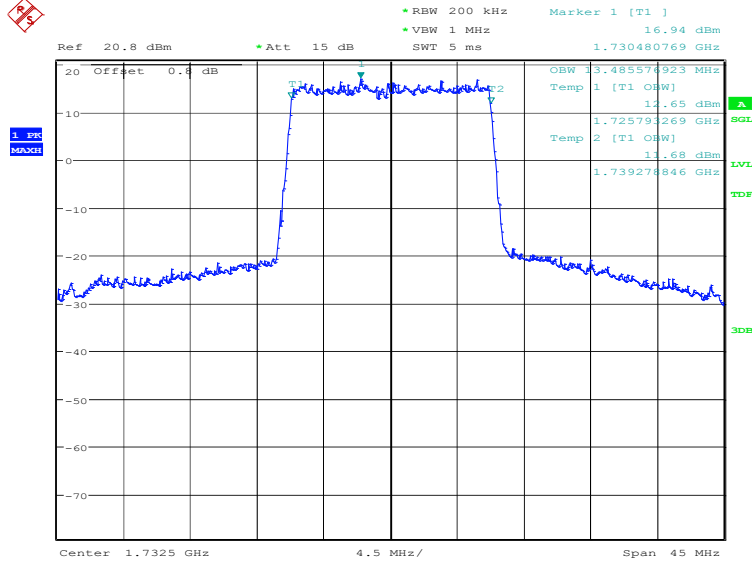


Date: 29.AUG.2023 08:52:56

LTE band 4, 15MHz (99%)

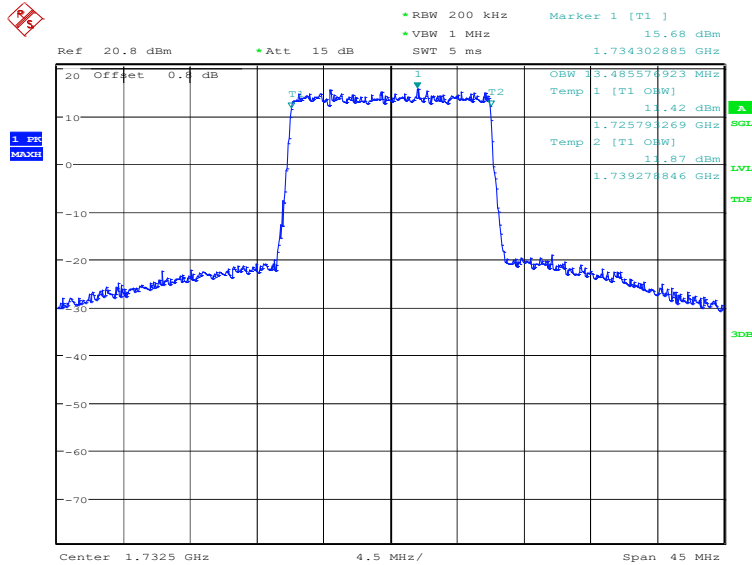
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 29.AUG.2023 08:53:41

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

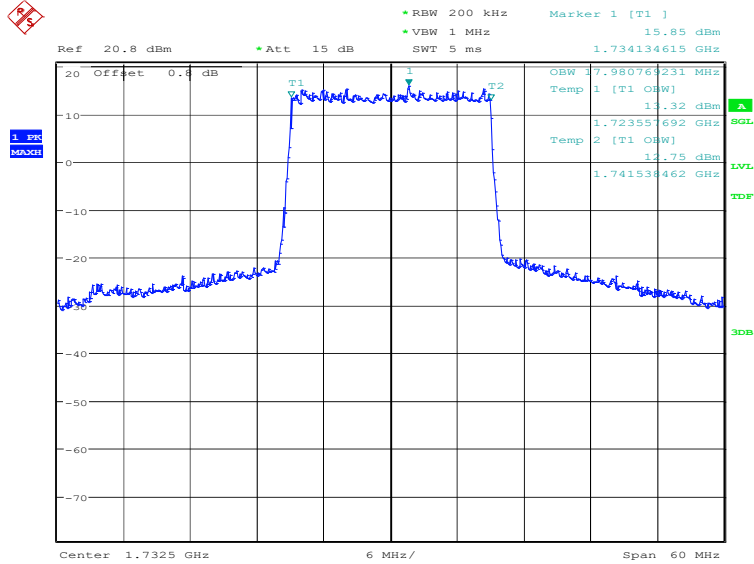


Date: 29.AUG.2023 08:54:21

LTE band 4, 20MHz (99%)

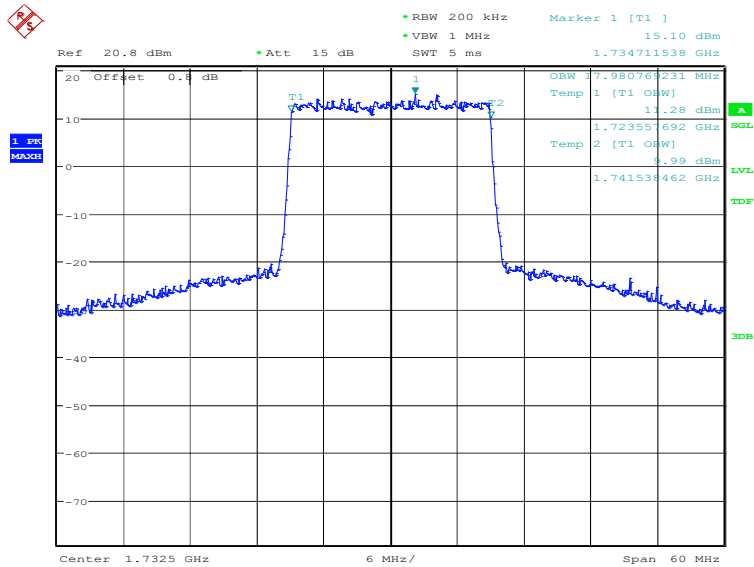
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1732.5	QPSK	16QAM
	17980.77	17980.77

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



Date: 29.AUG.2023 08:55:06

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

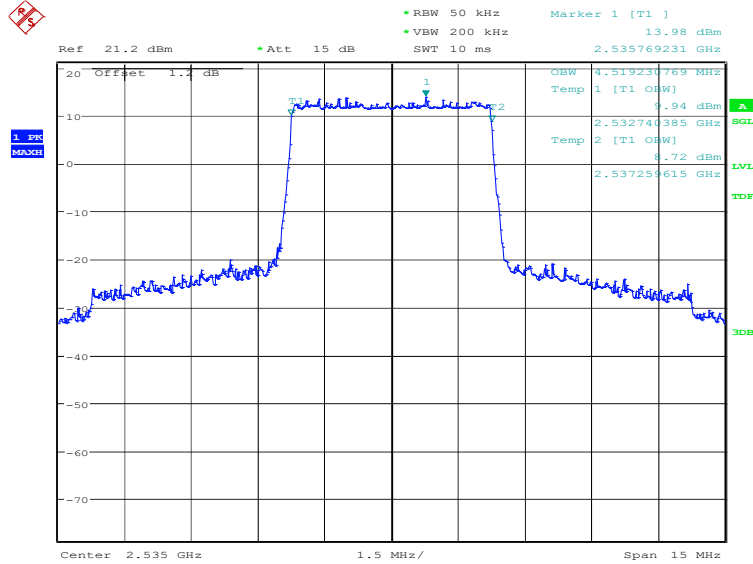


Date: 29.AUG.2023 08:55:46

LTE band 7, 5MHz (99%)

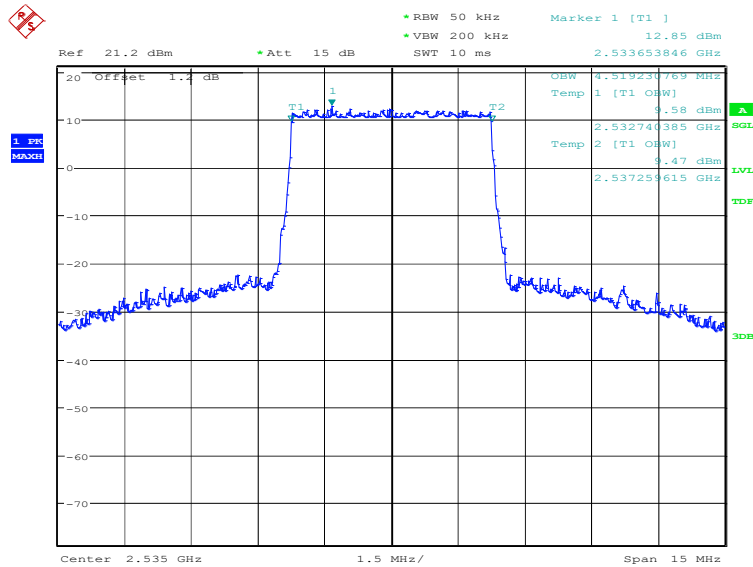
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	4519.23	4519.23

LTE band 7, 5MHz Bandwidth, QPSK (99% BW)



Date: 3.JUL.2023 16:31:00

LTE band 7, 5MHz Bandwidth, 16QAM (99% BW)

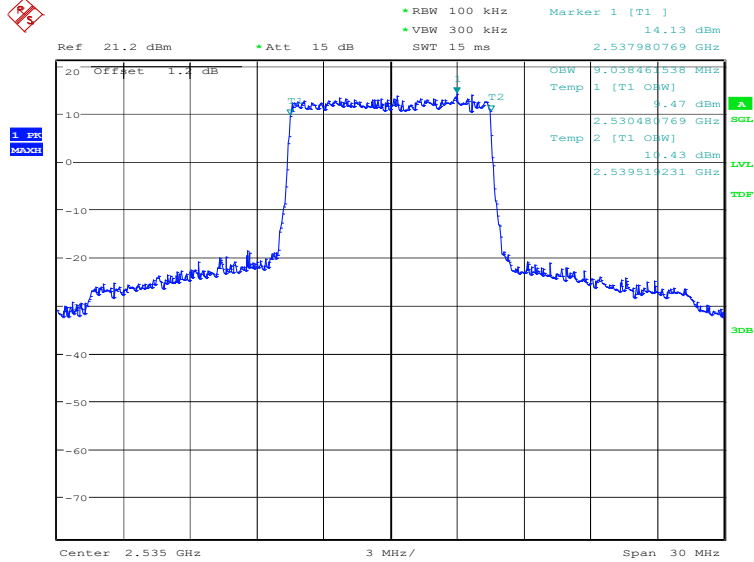


Date: 3.JUL.2023 16:31:40

LTE band 7, 10MHz (99%)

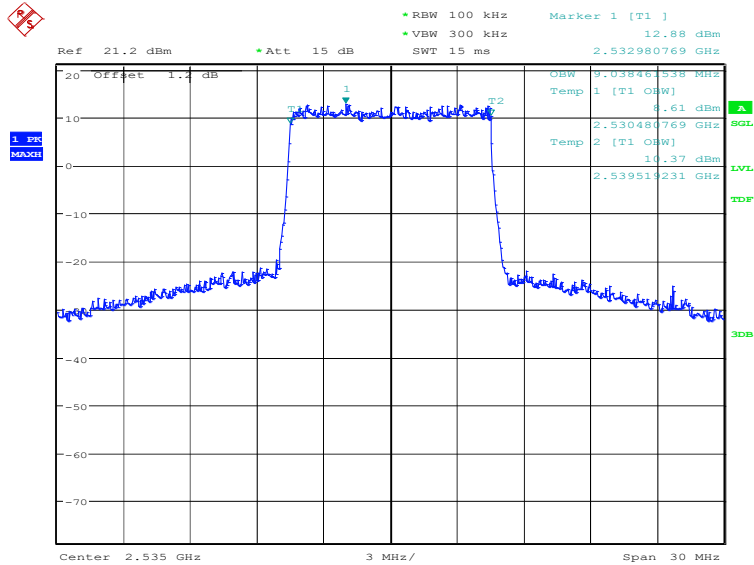
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	9038.46	9038.46

LTE band 7, 10MHz Bandwidth, QPSK (99% BW)



Date: 3.JUL.2023 16:32:25

LTE band 7, 10MHz Bandwidth, 16QAM (99% BW)

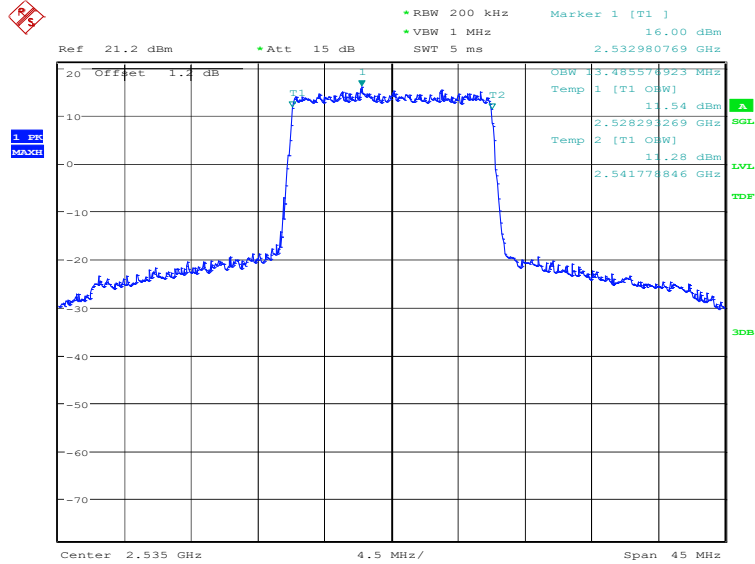


Date: 3.JUL.2023 16:33:05

LTE band 7, 15MHz (99%)

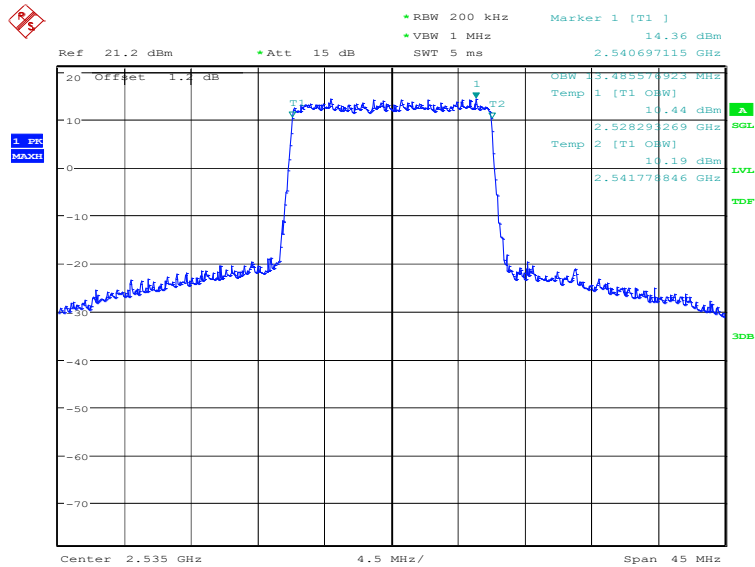
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 3.JUL.2023 16:33:51

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

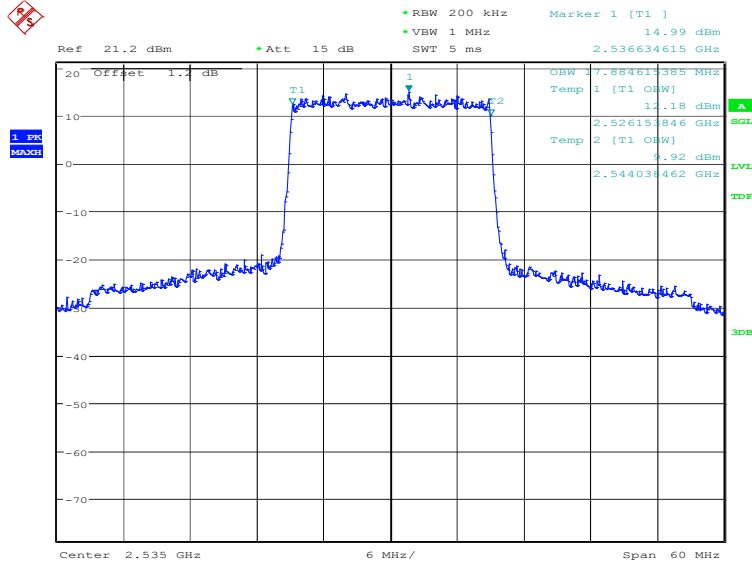


Date: 3.JUL.2023 16:34:31

LTE band 7, 20MHz (99%)

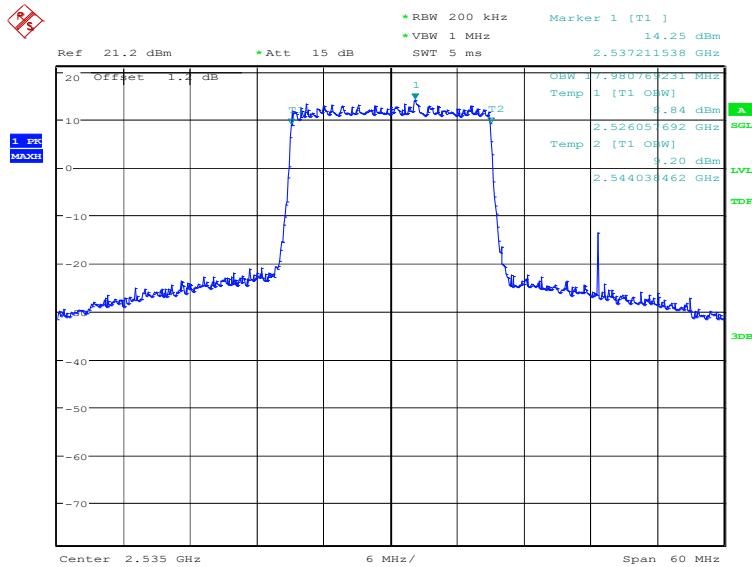
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	17884.62	17980.77

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



Date: 3.JUL.2023 16:35:16

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

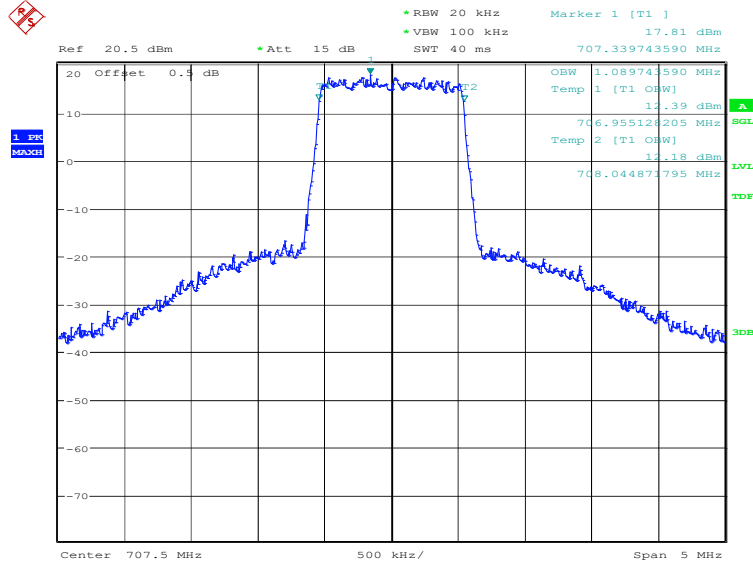


Date: 3.JUL.2023 16:35:56

LTE band 12, 1.4MHz (99%)

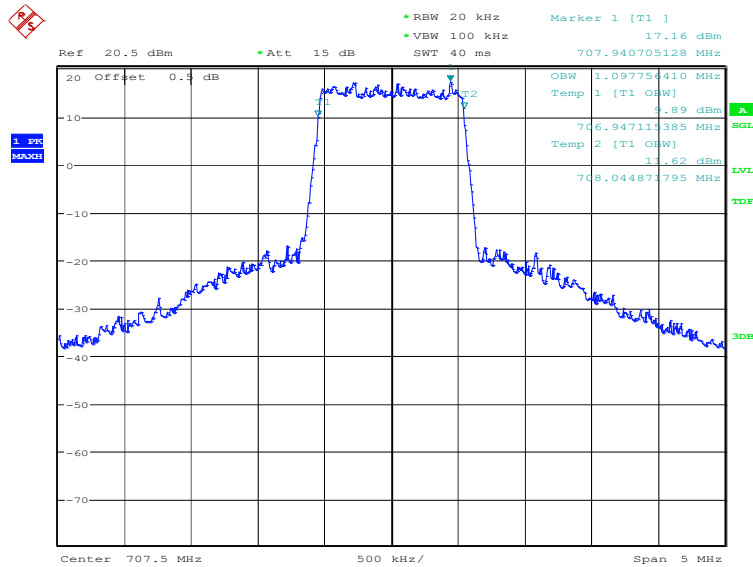
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 3.JUL.2023 14:22:39

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

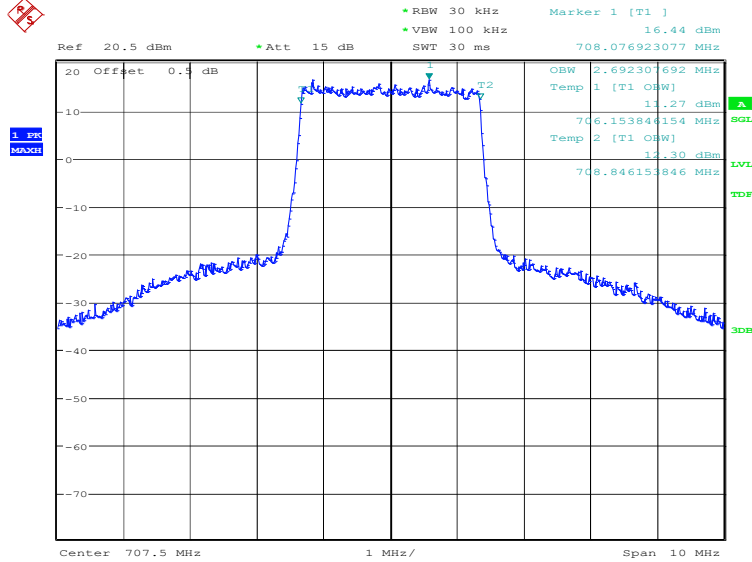


Date: 3.JUL.2023 14:23:19

LTE band 12, 3MHz (99%)

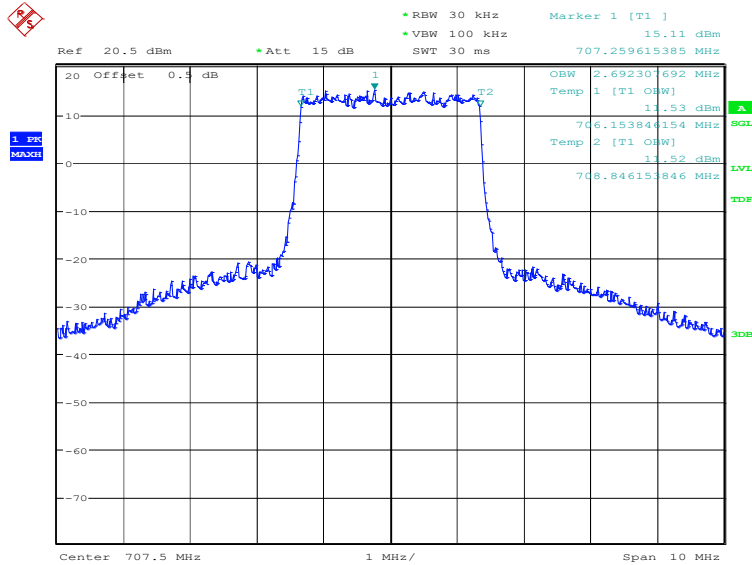
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 3.JUL.2023 14:24:04

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

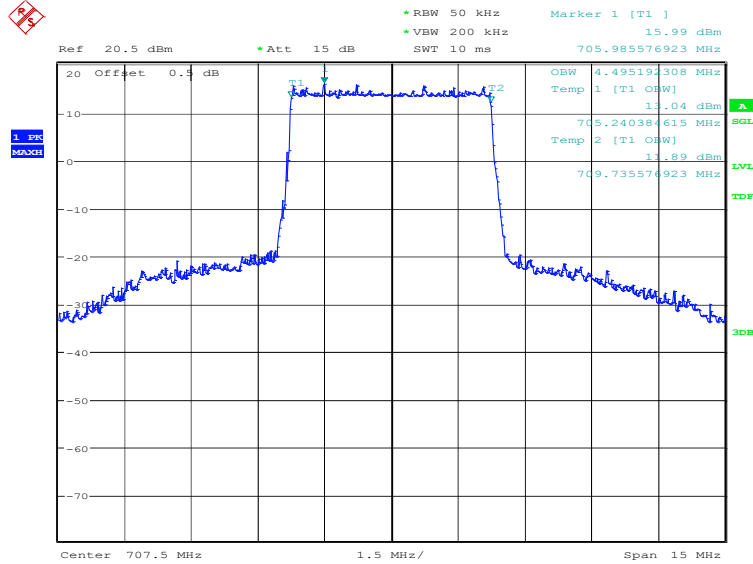


Date: 3.JUL.2023 14:24:44

LTE band 12, 5MHz (99%)

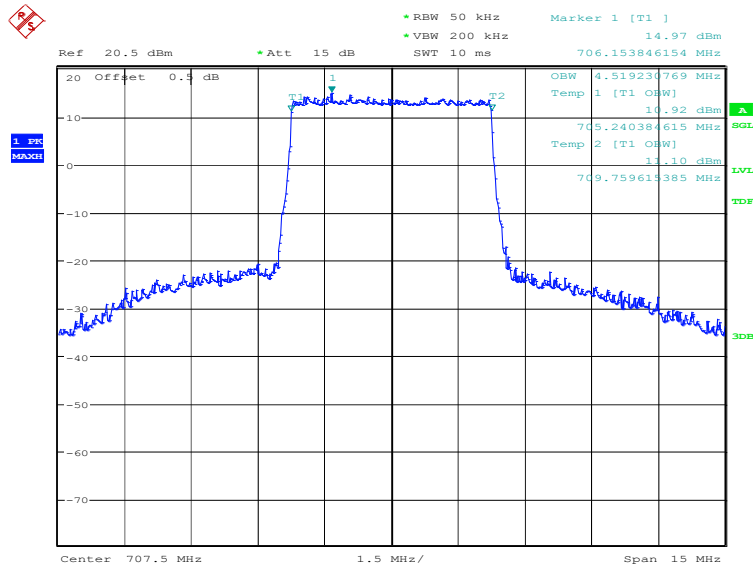
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	4495.19	4519.23

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



Date: 3.JUL.2023 14:25:29

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

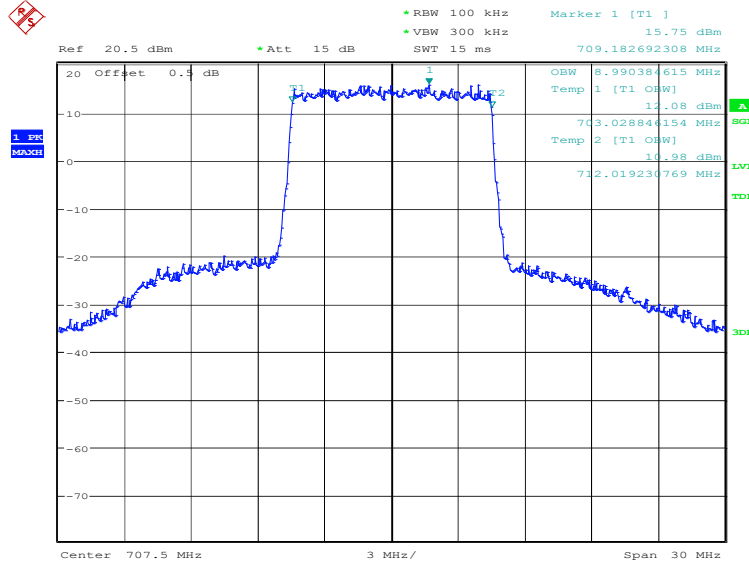


Date: 3.JUL.2023 14:26:10

LTE band 12, 10MHz (99%)

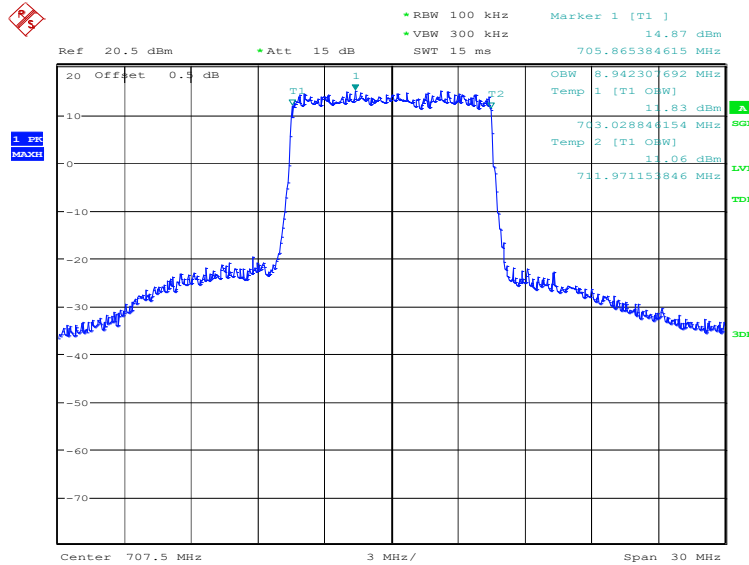
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	8990.38	8942.31

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



Date: 3.JUL.2023 14:26:55

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

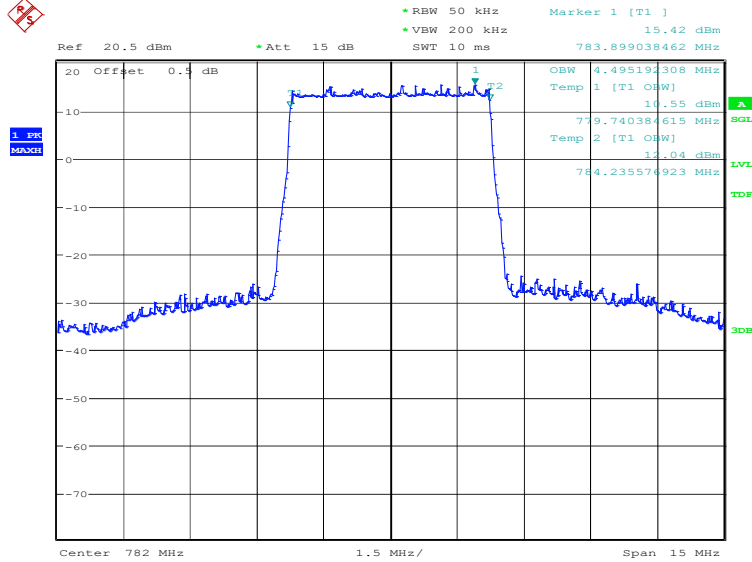


Date: 3.JUL.2023 14:27:35

LTE band 13, 5MHz (99%)

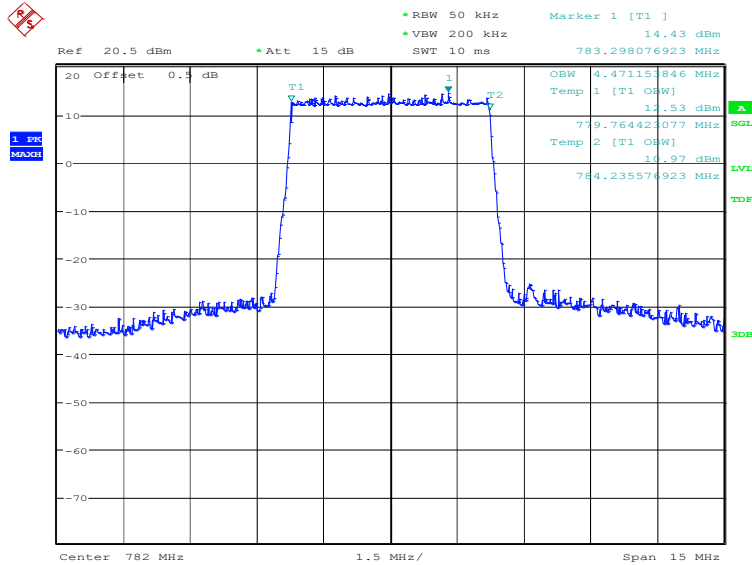
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	4495.19	4471.15

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



Date: 3.JUL.2023 14:28:25

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

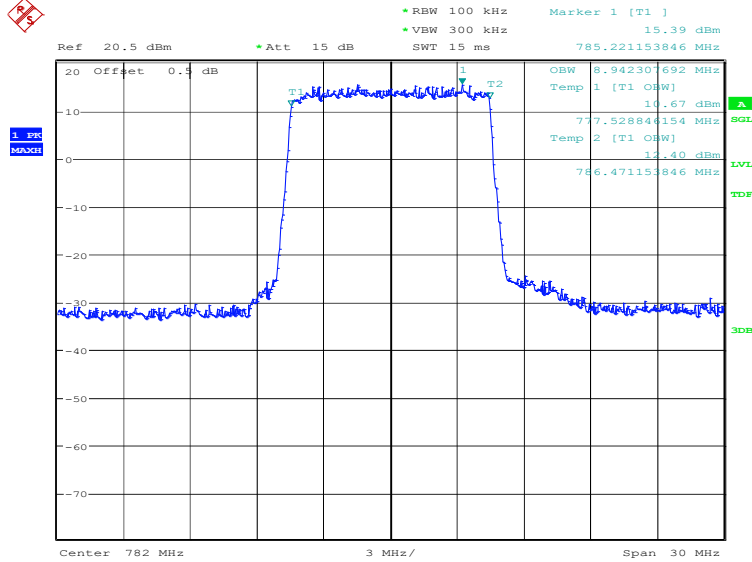


Date: 3.JUL.2023 14:29:05

LTE band 13, 10MHz (99%)

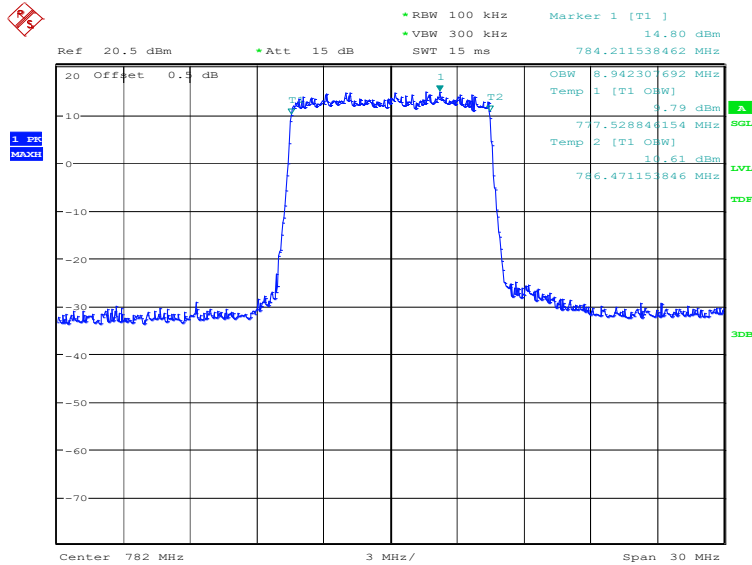
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 3.JUL.2023 14:29:50

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

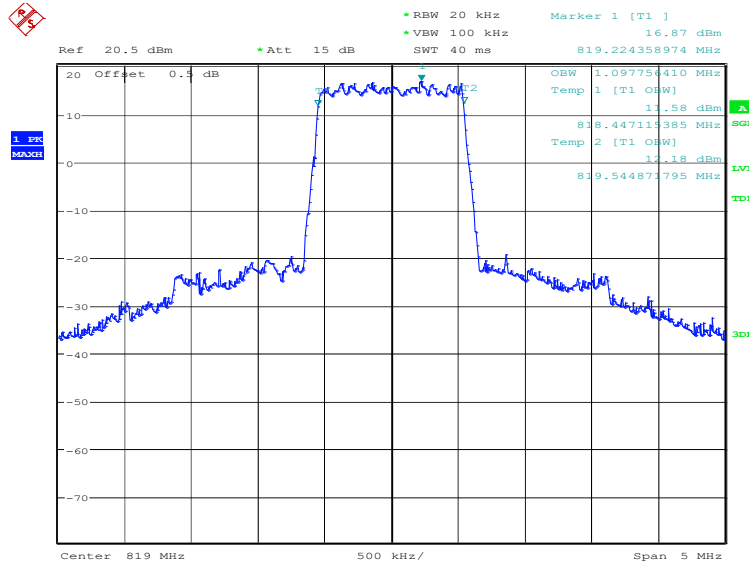


Date: 3.JUL.2023 14:30:31

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

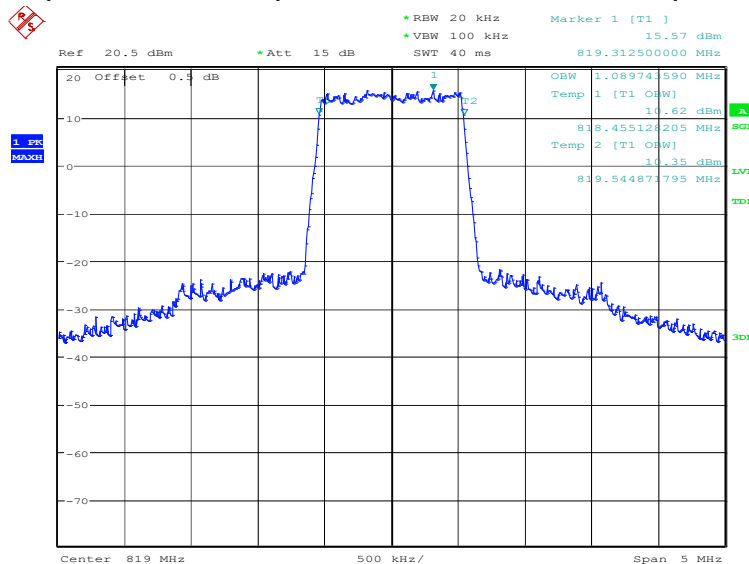
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	1097.76	1089.74

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



Date: 3.JUL.2023 14:39:13

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

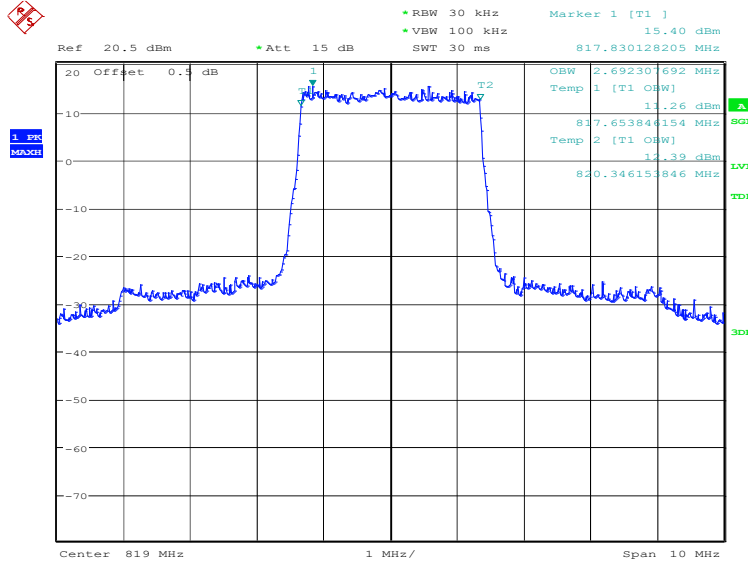


Date: 3.JUL.2023 14:39:54

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

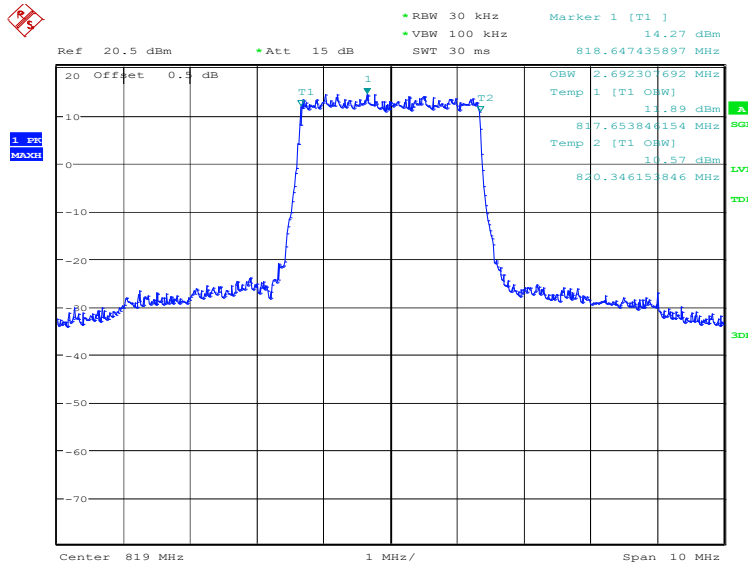
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 3.JUL.2023 14:40:39

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

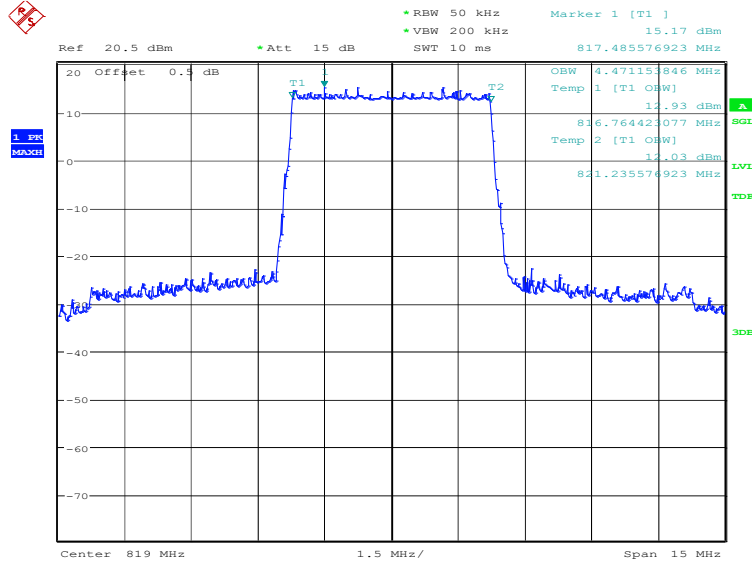


Date: 3.JUL.2023 14:41:19

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

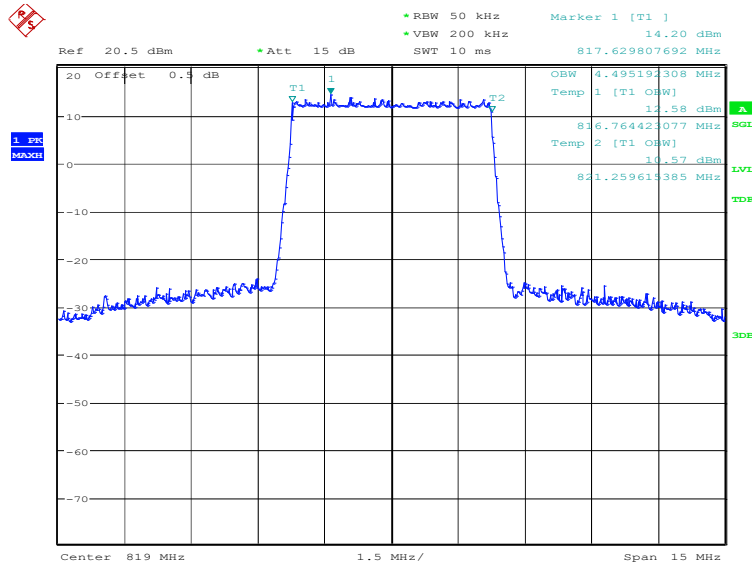
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	4471.15	4495.19

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



Date: 3.JUL.2023 14:42:04

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

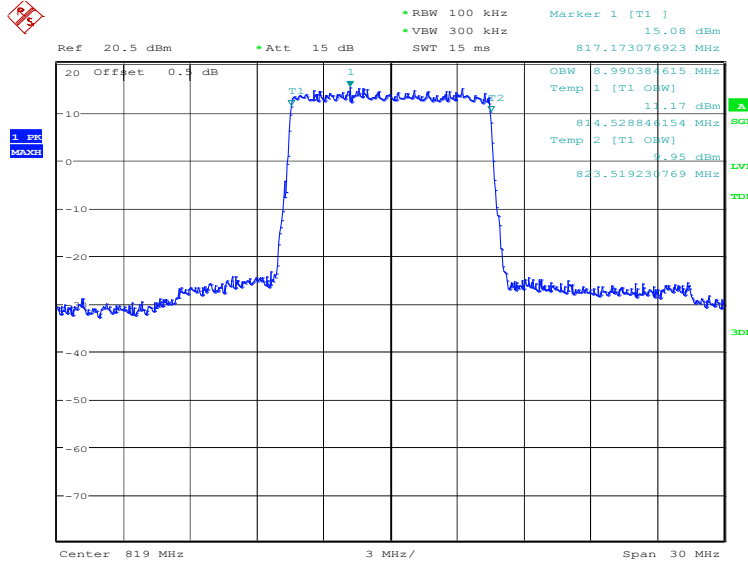


Date: 3.JUL.2023 14:42:44

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

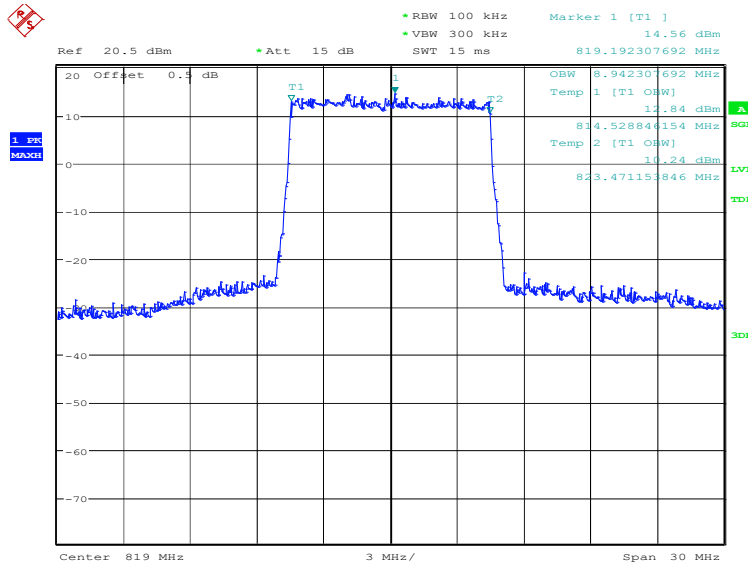
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	8990.38	8942.31

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



Date: 3.JUL.2023 14:43:30

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

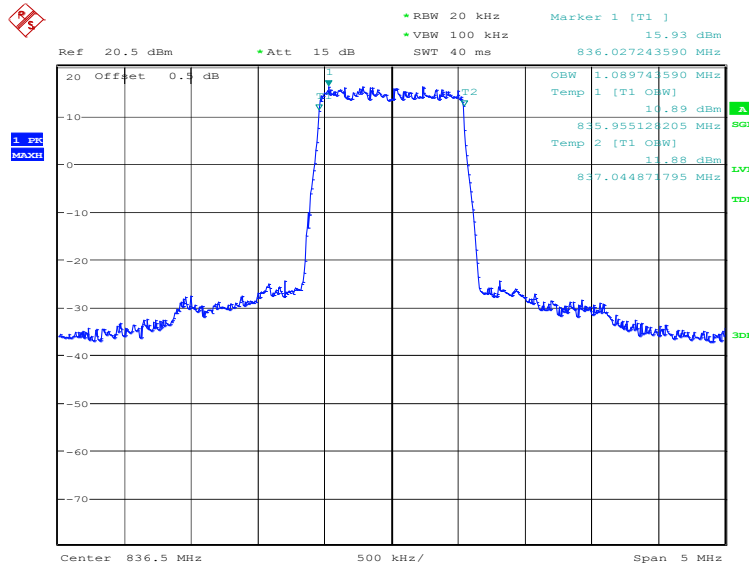


Date: 3.JUL.2023 14:44:10

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

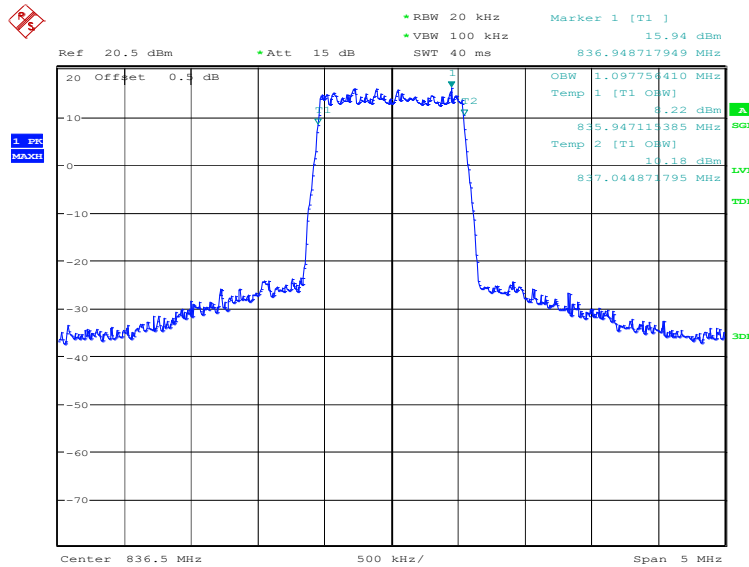
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 3.JUL.2023 14:31:21

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

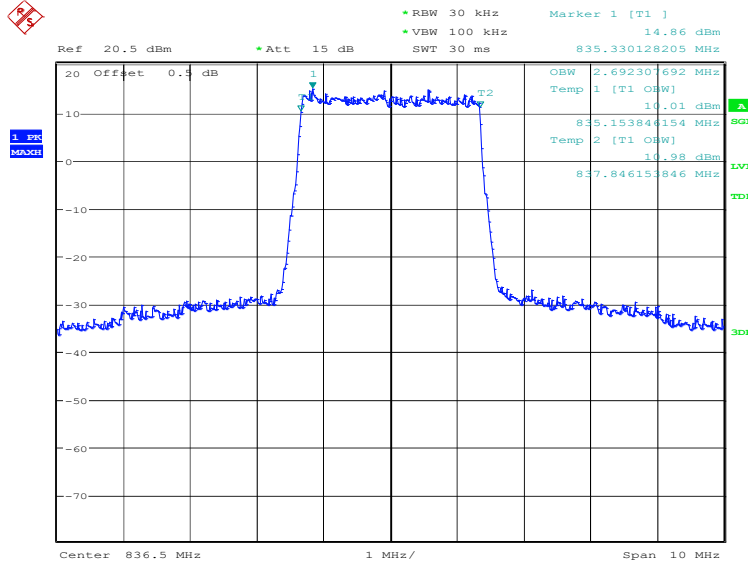


Date: 3.JUL.2023 14:32:01

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

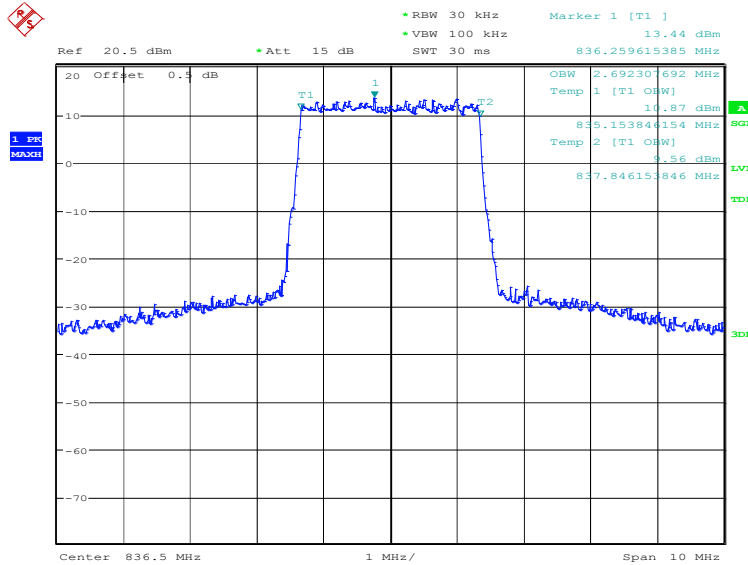
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
	836.5	QPSK
2692.31		2692.31

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



Date: 3.JUL.2023 14:32:47

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

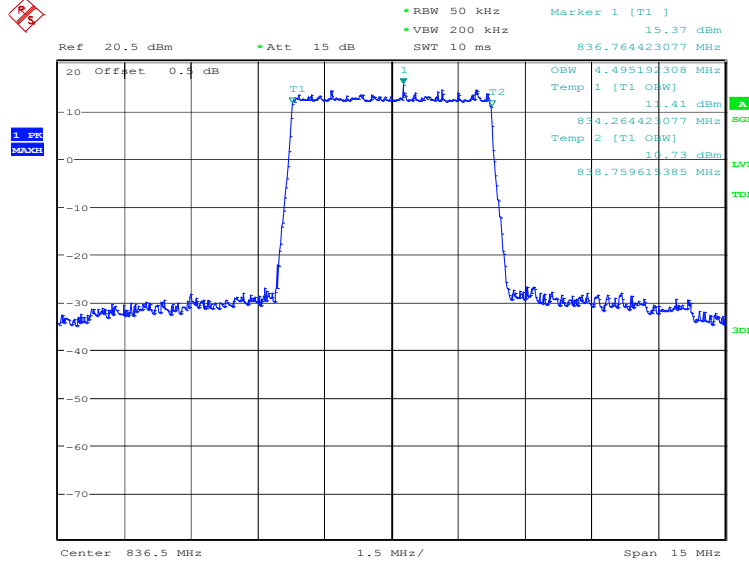


Date: 3.JUL.2023 14:33:27

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

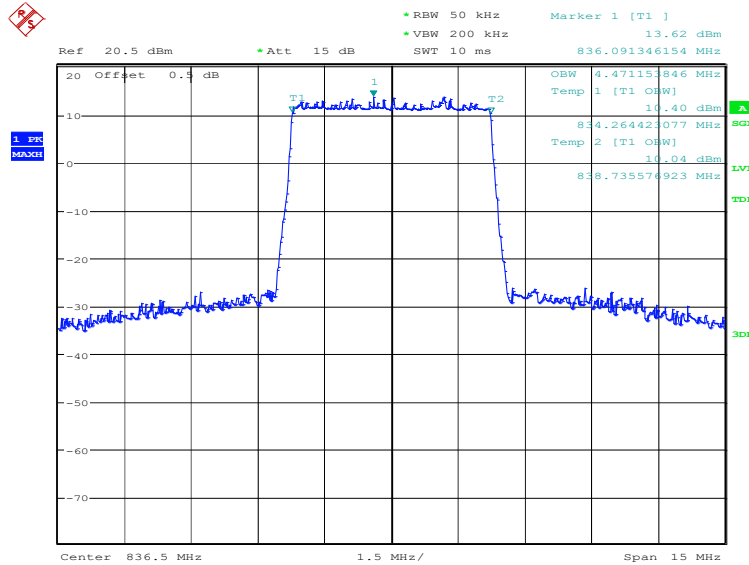
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	4495.19	4471.15

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



Date: 3.JUL.2023 14:34:12

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

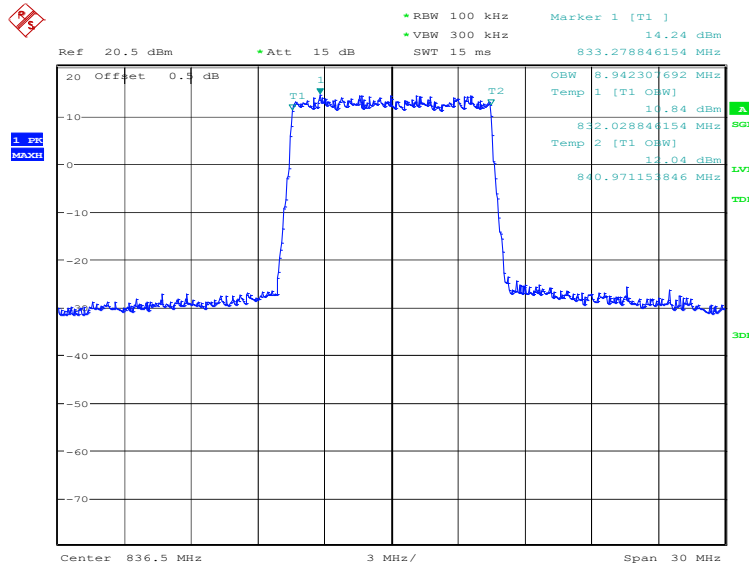


Date: 3.JUL.2023 14:34:52

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

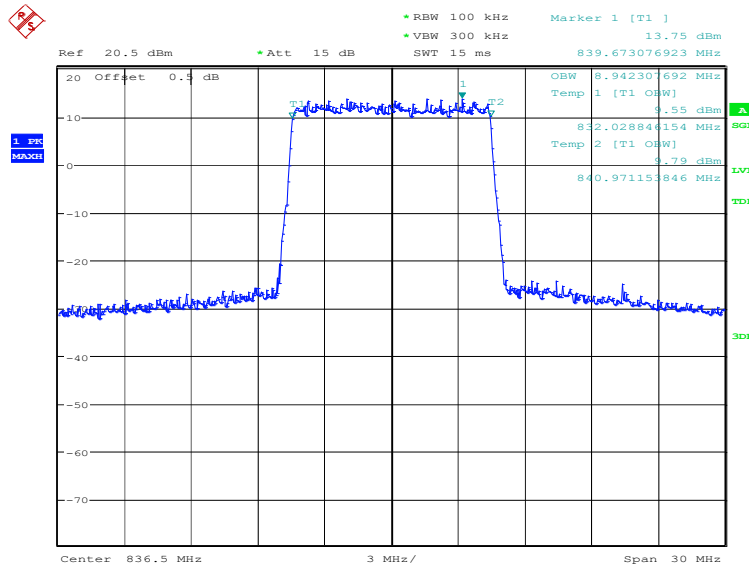
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 3.JUL.2023 14:35:37

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

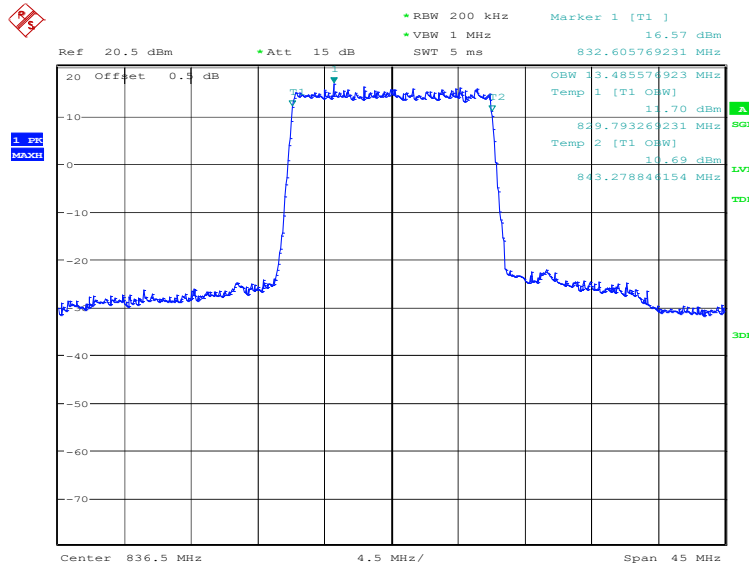


Date: 3.JUL.2023 14:36:18

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

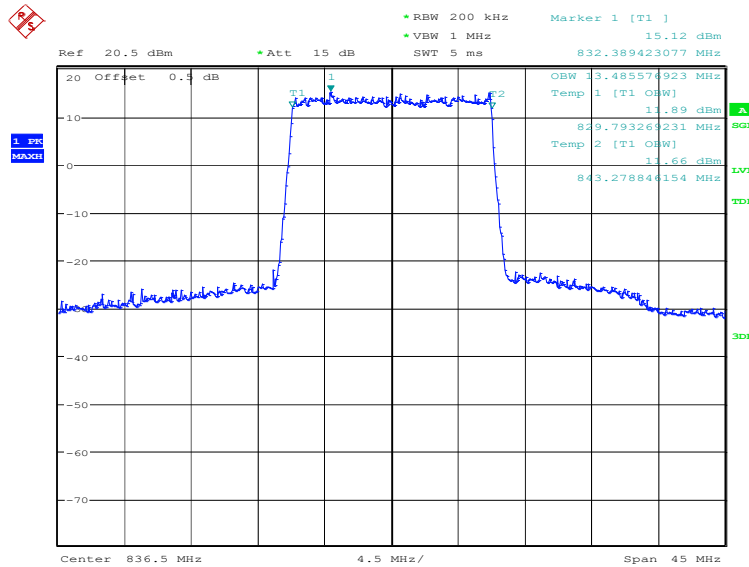
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 3.JUL.2023 14:37:03

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

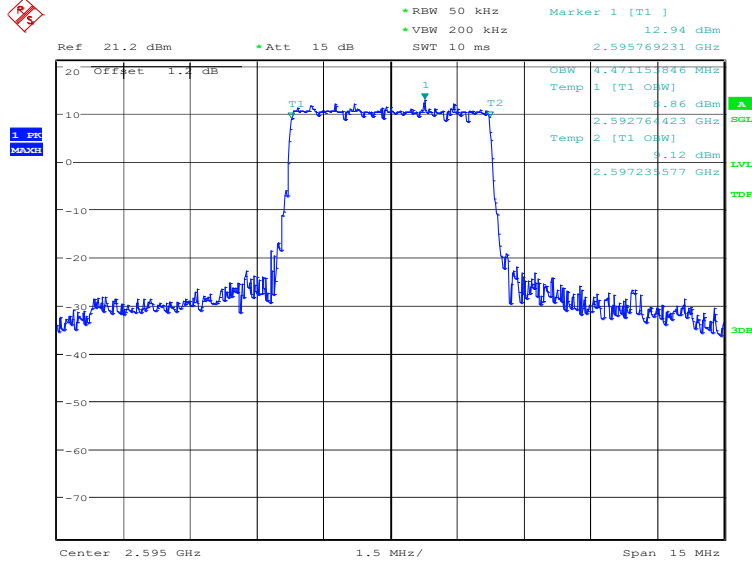


Date: 3.JUL.2023 14:37:43

LTE band 38, 5MHz (99%)

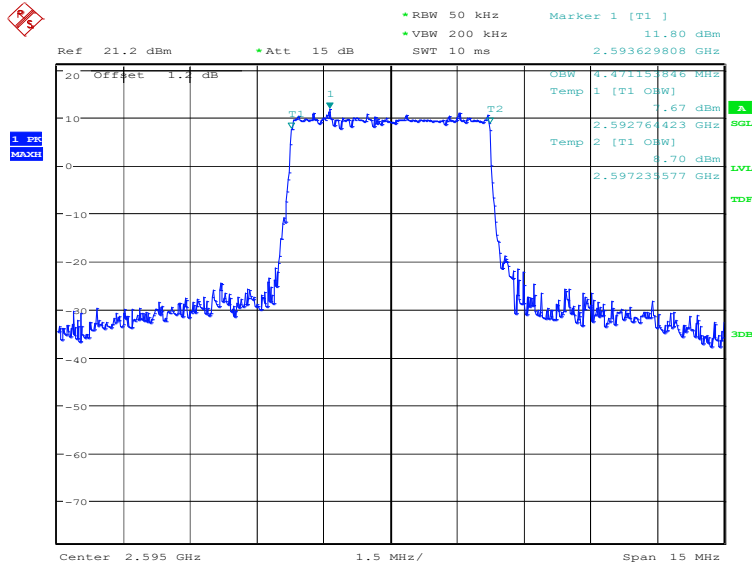
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2595.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 10.JUL.2023 08:31:45

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

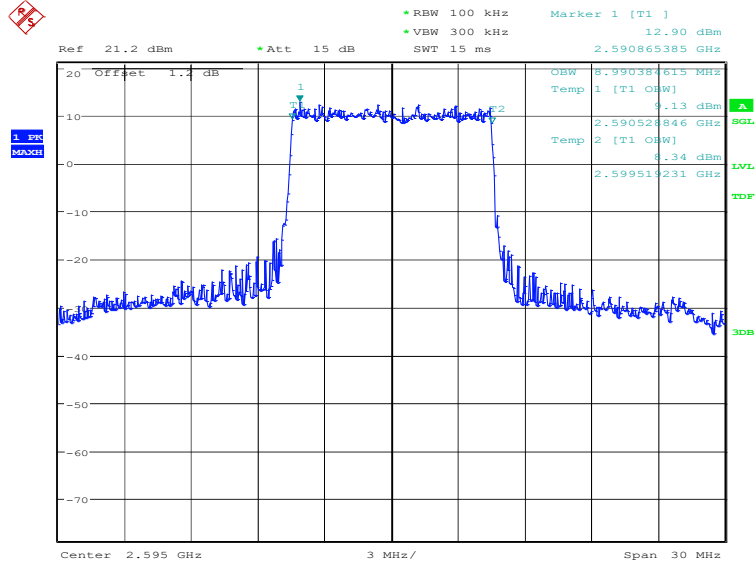


Date: 10.JUL.2023 08:32:25

LTE band 38, 10MHz (99%)

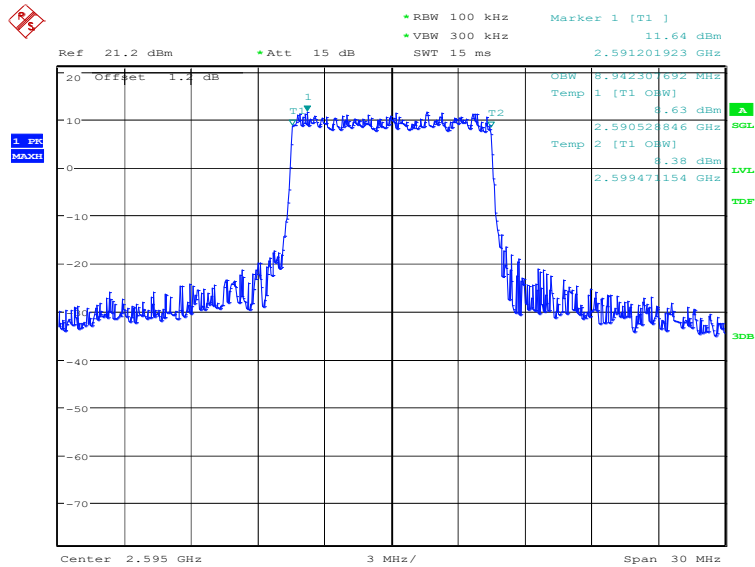
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2595.0	QPSK	16QAM
	8990.38	8942.31

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



Date: 10.JUL.2023 08:33:11

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

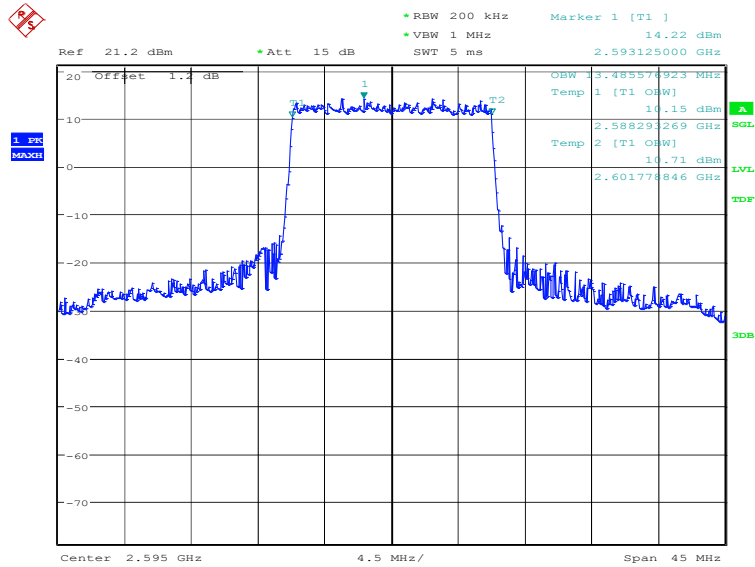


Date: 10.JUL.2023 08:33:51

LTE band 38,15MHz (99%)

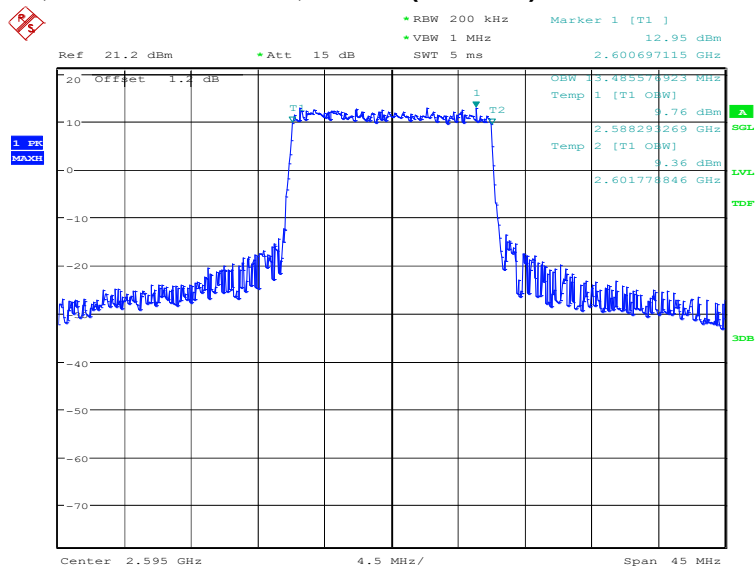
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2595.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 10.JUL.2023 08:34:36

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

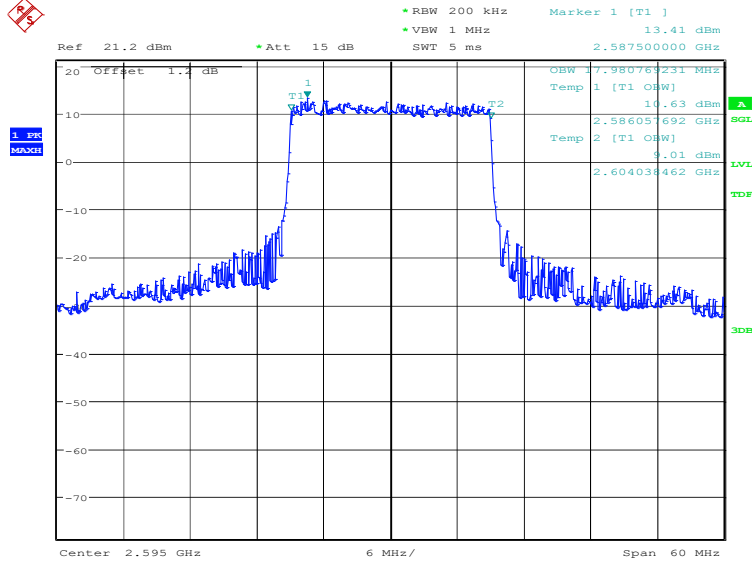


Date: 10.JUL.2023 08:35:16

LTE band 38, 20MHz (99%)

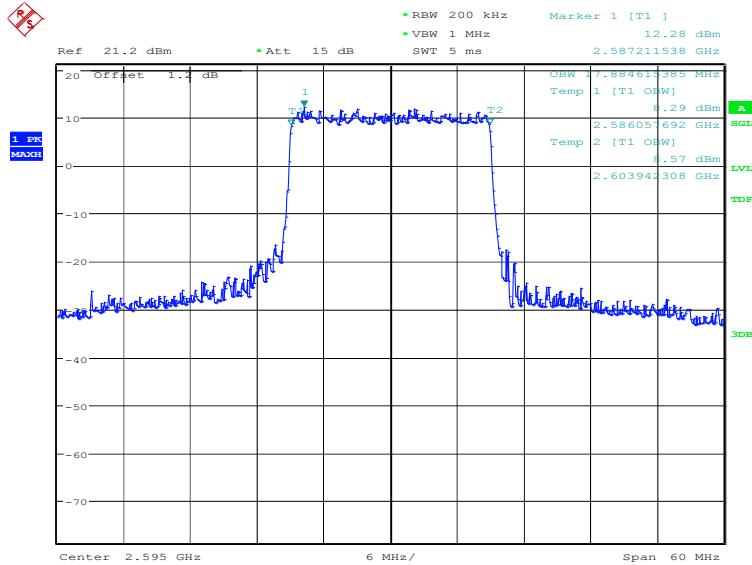
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2595.0	QPSK	16QAM
	17980.77	17884.62

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



Date: 10.JUL.2023 08:36:02

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

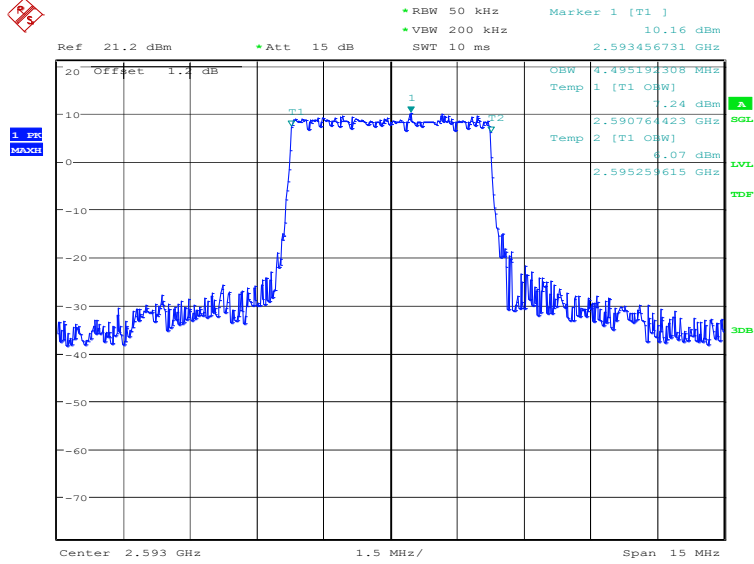


Date: 10.JUL.2023 08:36:42

LTE band 41, 5MHz (99%)

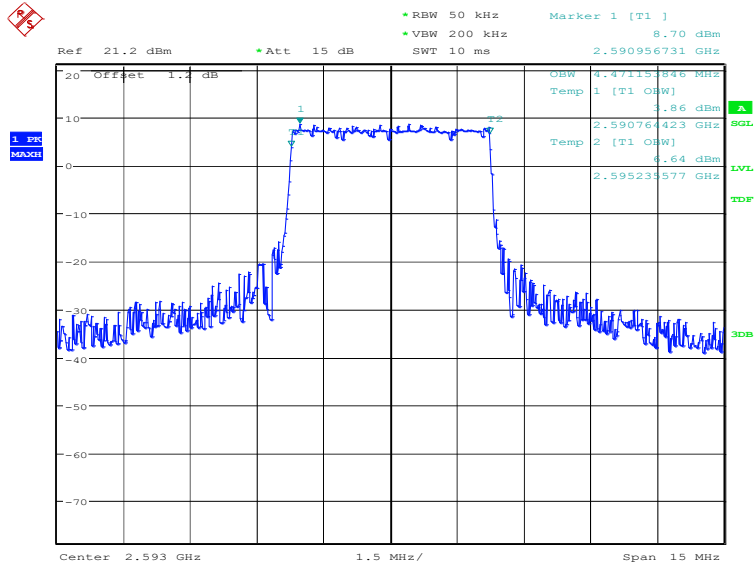
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	4495.19	4471.15

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



Date: 3.JUL.2023 16:37:32

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

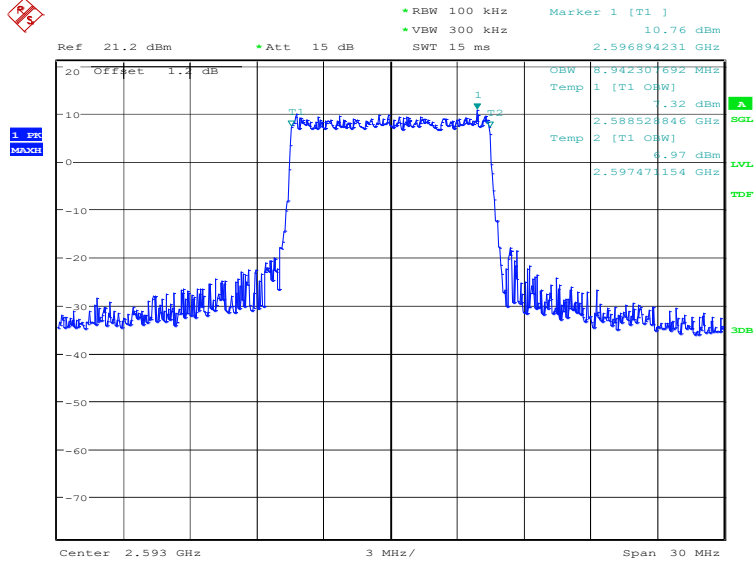


Date: 3.JUL.2023 16:38:12

LTE band 41, 10MHz (99%)

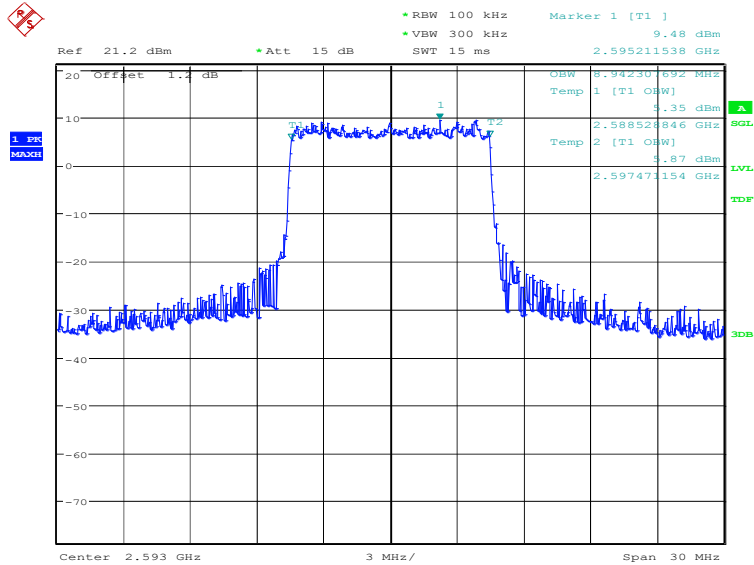
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 3.JUL.2023 16:38:57

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

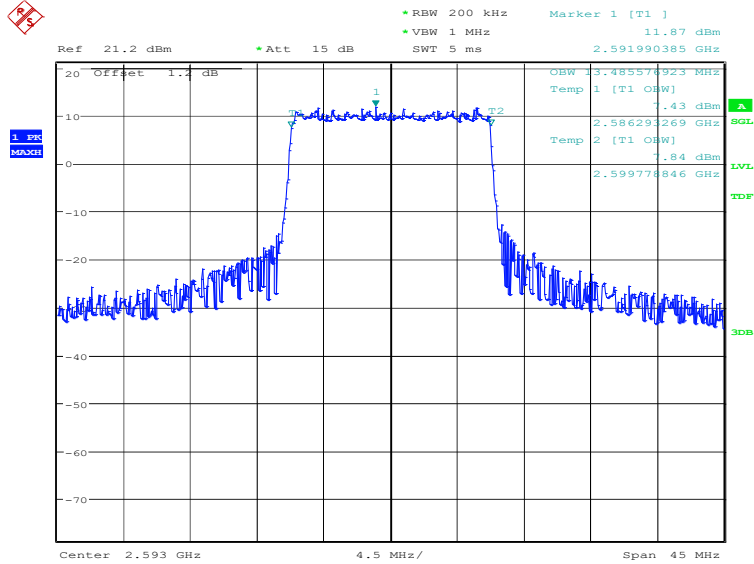


Date: 3.JUL.2023 16:39:37

LTE band 41, 15MHz (99%)

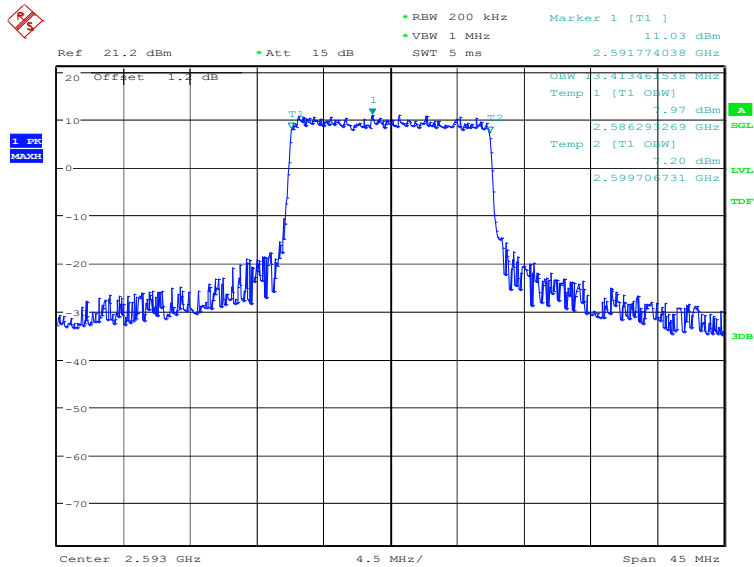
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13413.46

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



Date: 3.JUL.2023 16:40:23

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

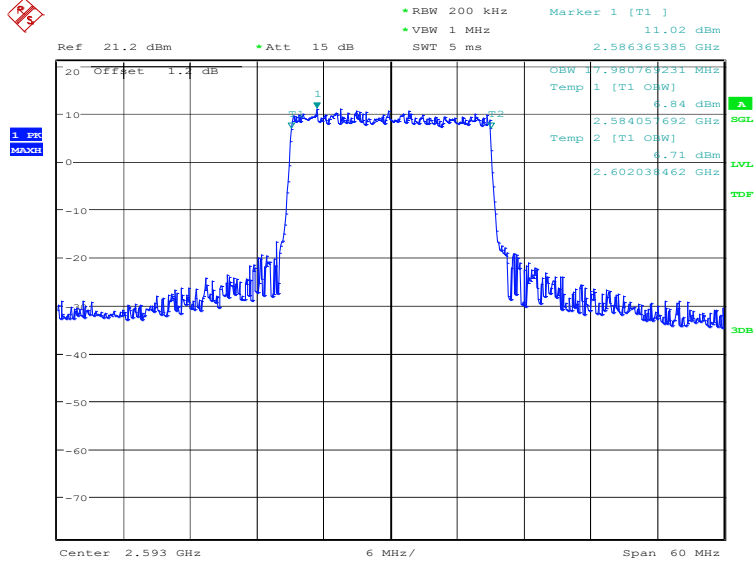


Date: 3.JUL.2023 16:41:03

LTE band 41, 20MHz (99%)

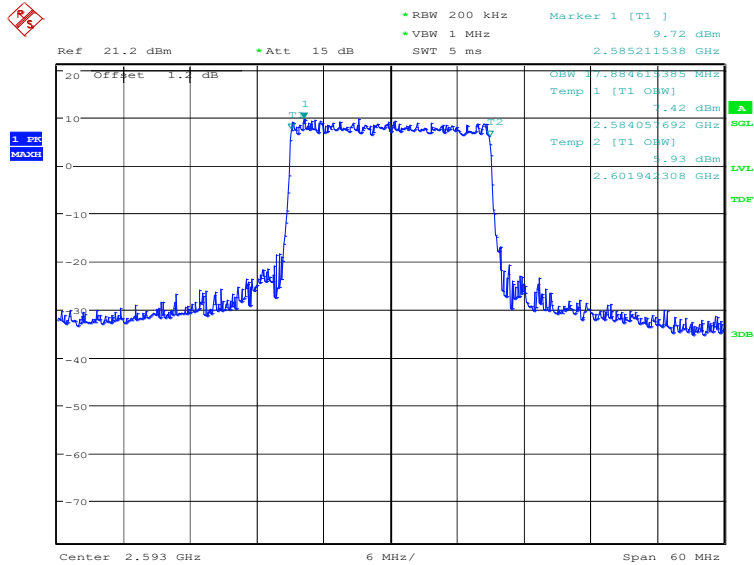
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	17980.77	17884.62

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



Date: 3.JUL.2023 16:41:48

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

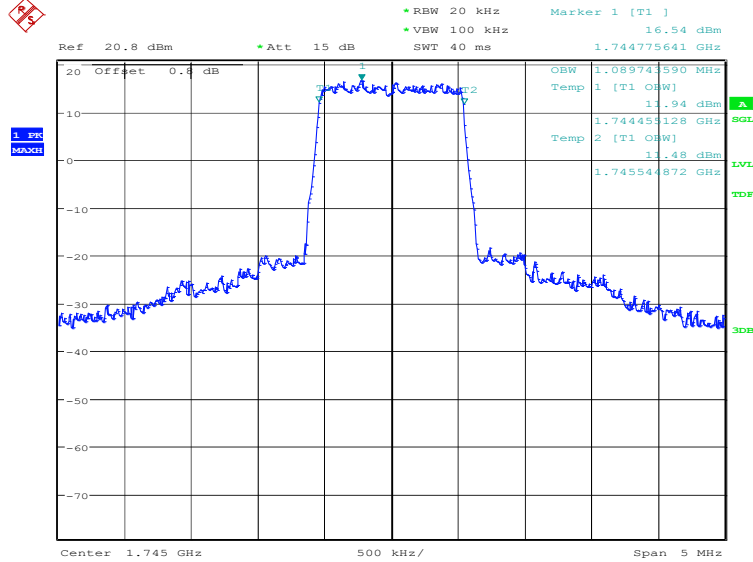


Date: 3.JUL.2023 16:42:28

LTE band 66, 1.4MHz (99%)

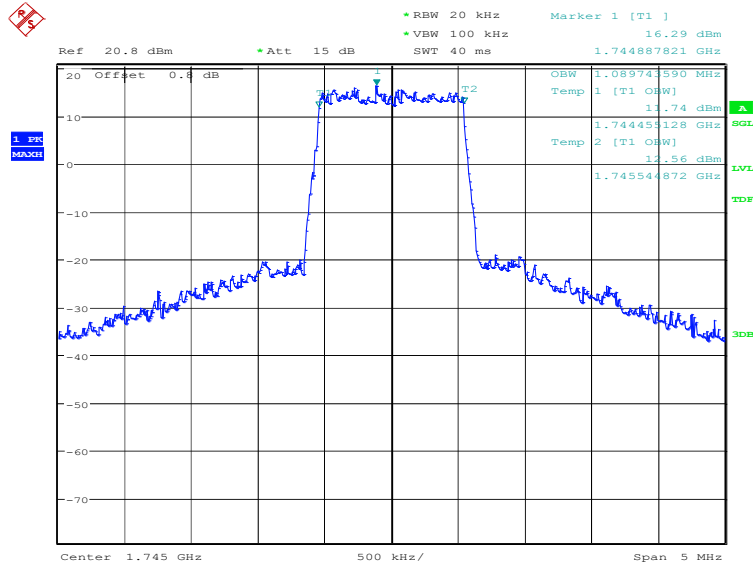
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1089.74

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



Date: 3.JUL.2023 14:45:00

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

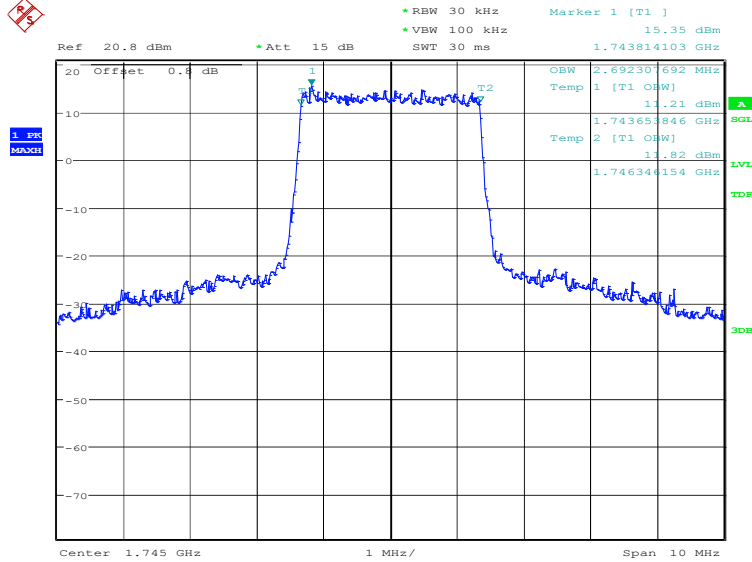


Date: 3.JUL.2023 14:45:40

LTE band 66, 3MHz (99%)

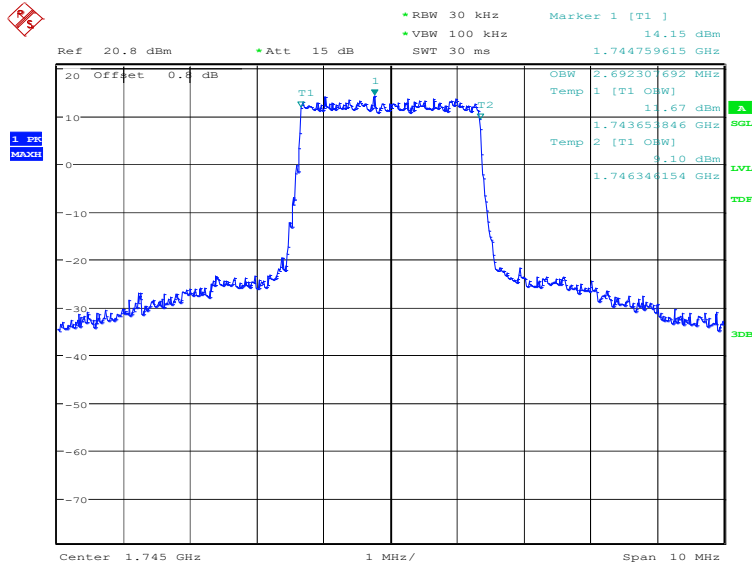
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 3.JUL.2023 14:46:26

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

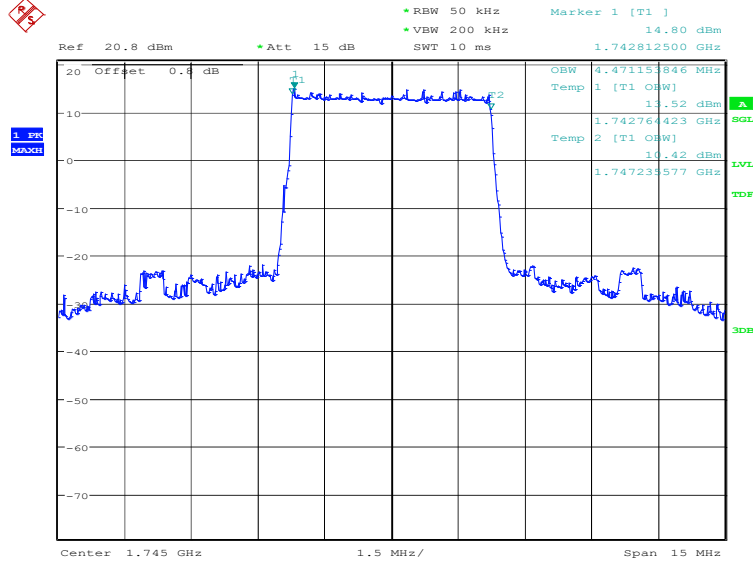


Date: 3.JUL.2023 14:47:06

LTE band 66, 5MHz (99%)

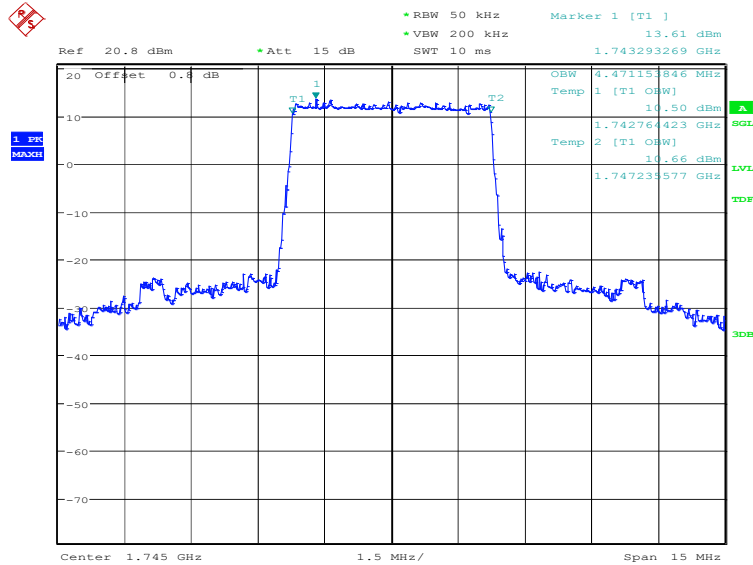
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	4471.15	4471.15

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



Date: 3.JUL.2023 14:47:51

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

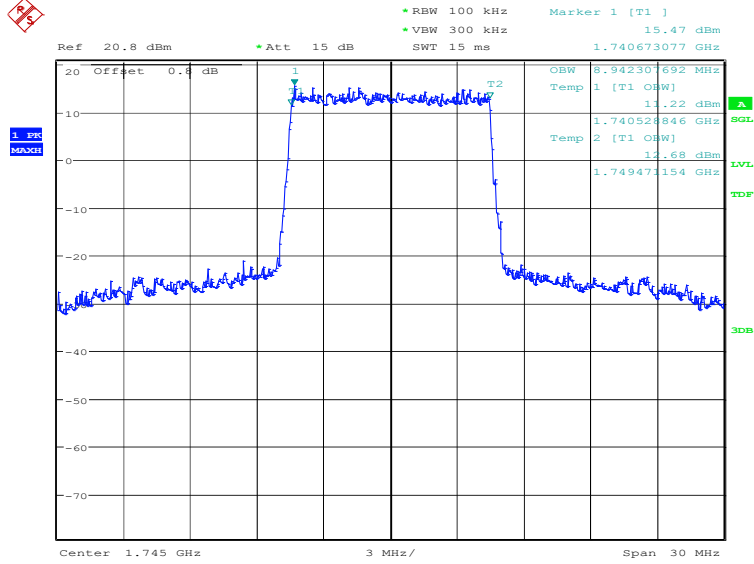


Date: 3.JUL.2023 14:48:31

LTE band 66, 10MHz (99%)

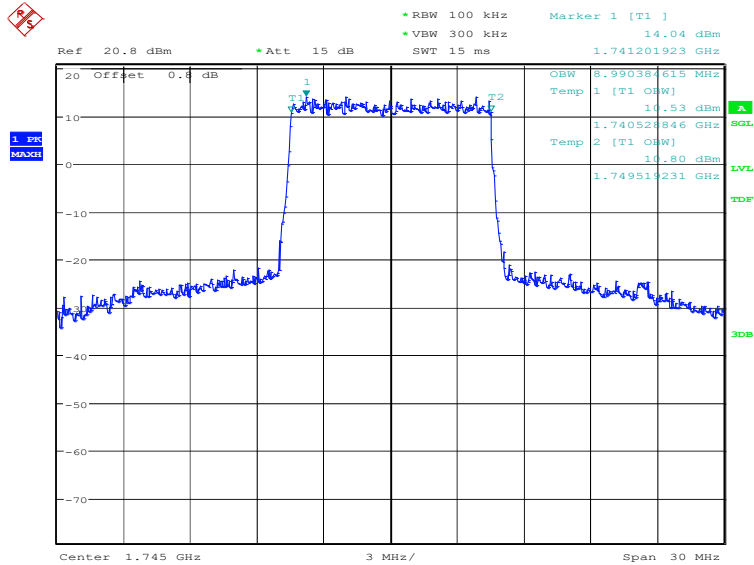
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	8942.31	8990.38

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



Date: 3.JUL.2023 14:49:17

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

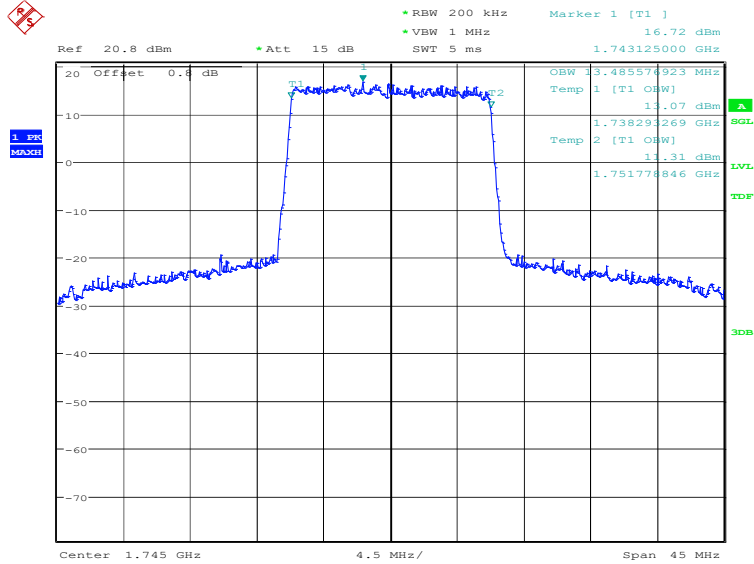


Date: 3.JUL.2023 14:49:57

LTE band 66, 15MHz (99%)

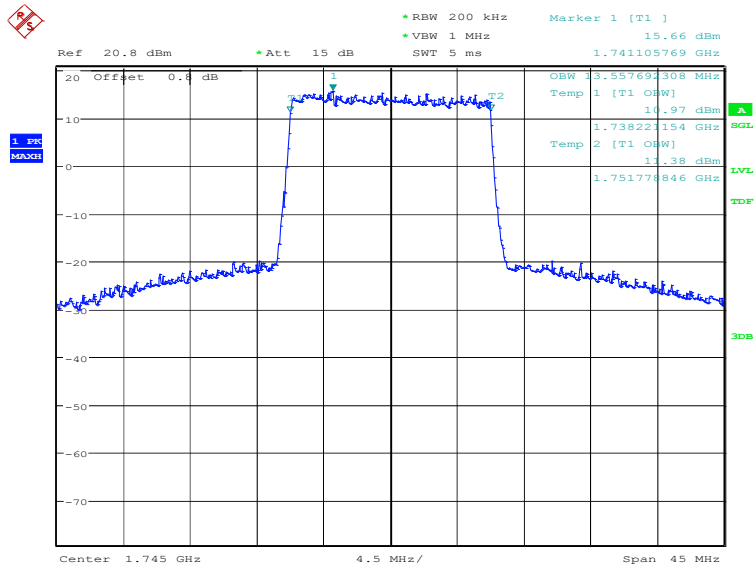
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	13485.58	13557.69

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



Date: 3.JUL.2023 14:50:43

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

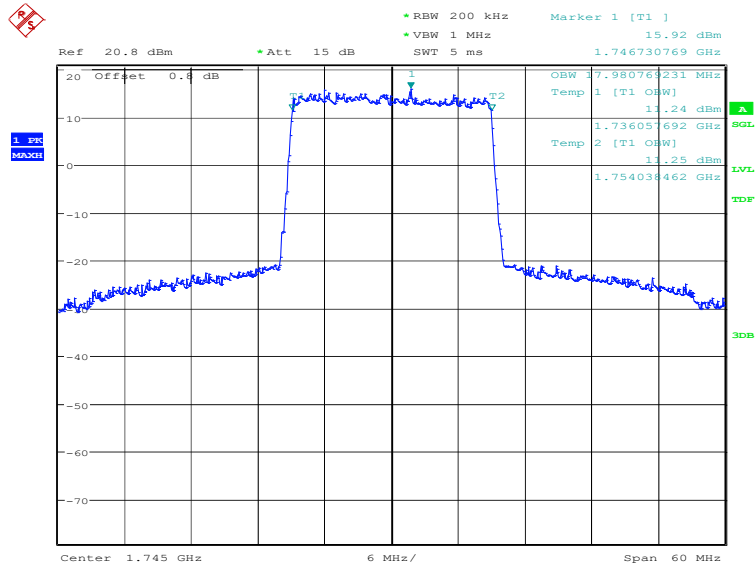


Date: 3.JUL.2023 14:51:23

LTE band 66, 20MHz (99%)

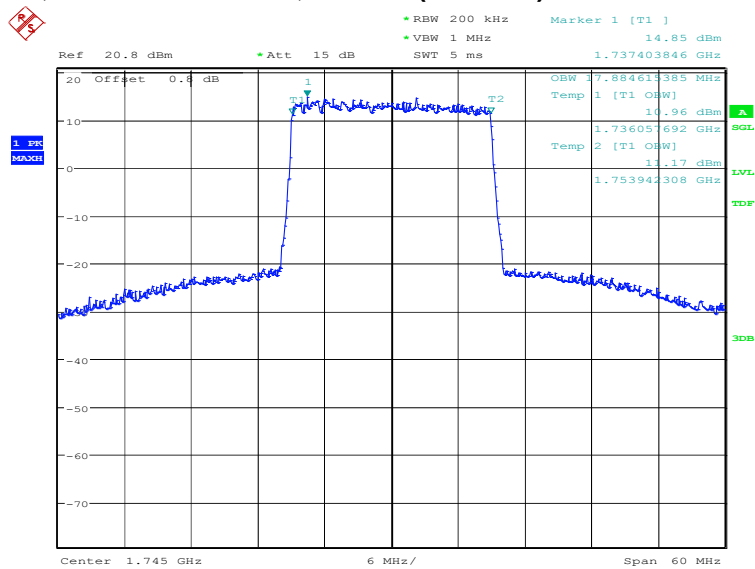
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	17980.77	17884.62

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



Date: 3.JUL.2023 14:52:08

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

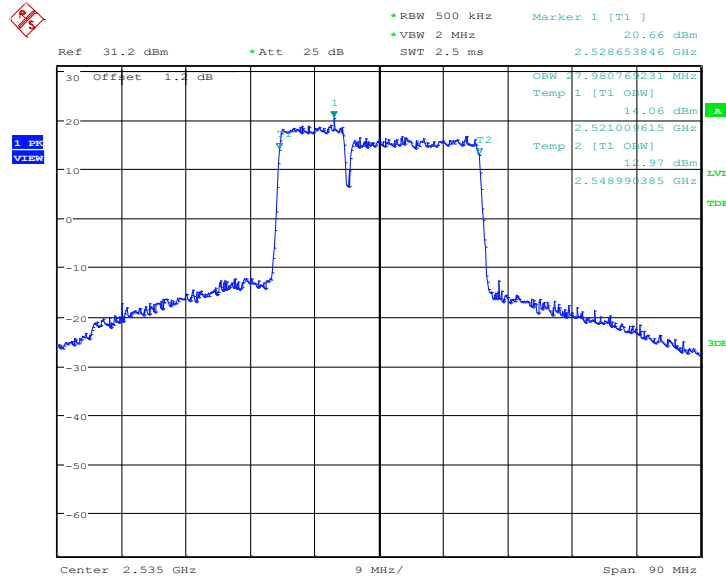


Date: 3.JUL.2023 14:52:49

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

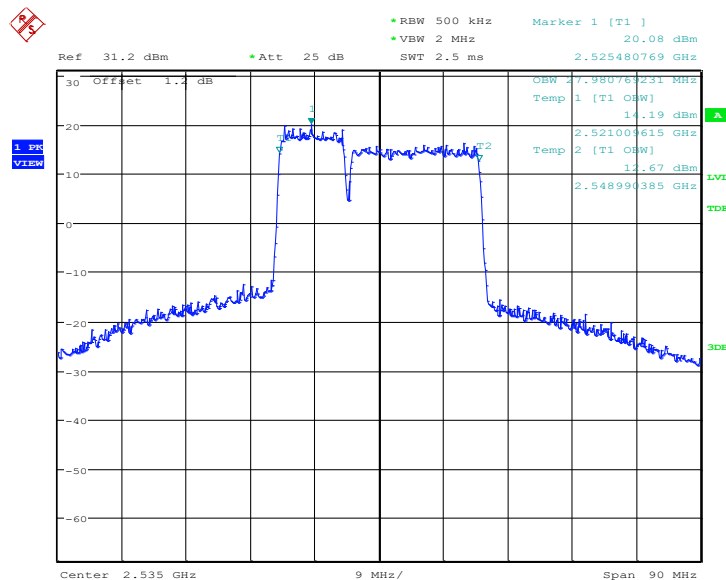
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	27.981	27.981

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



Date: 4.JUL.2023 09:50:10

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

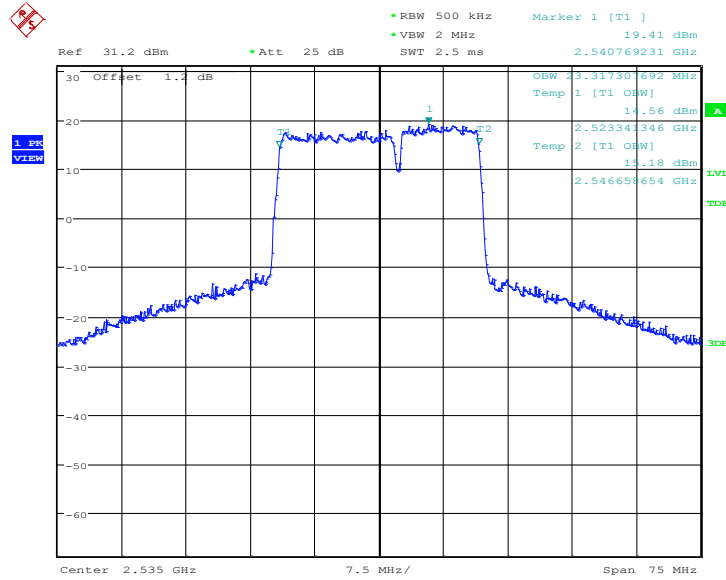


Date: 4.JUL.2023 09:50:34

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

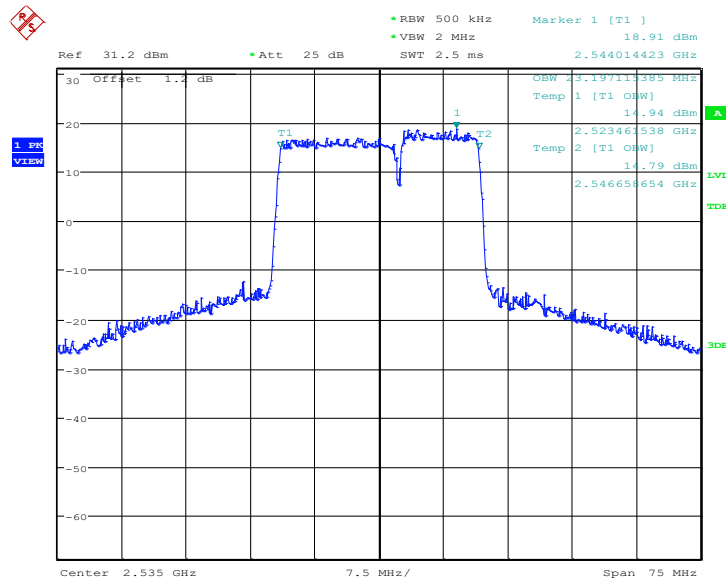
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	23.317	23.197

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



Date: 4.JUL.2023 09:51:33

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

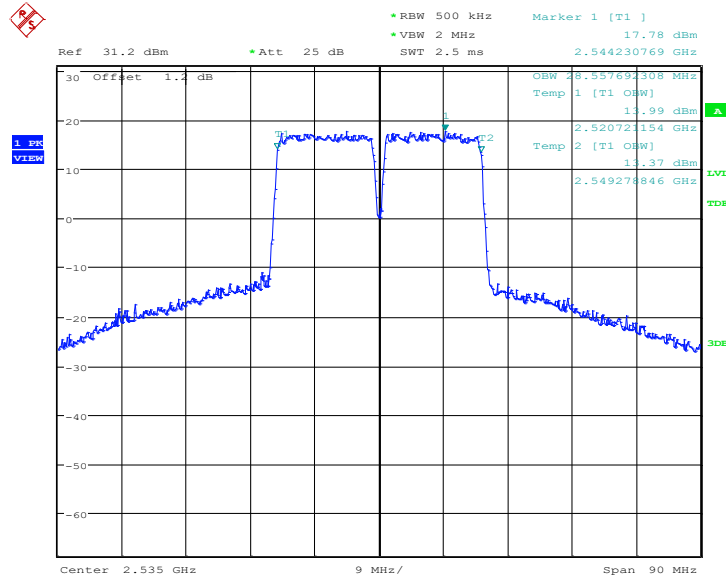


Date: 4.JUL.2023 09:51:57

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

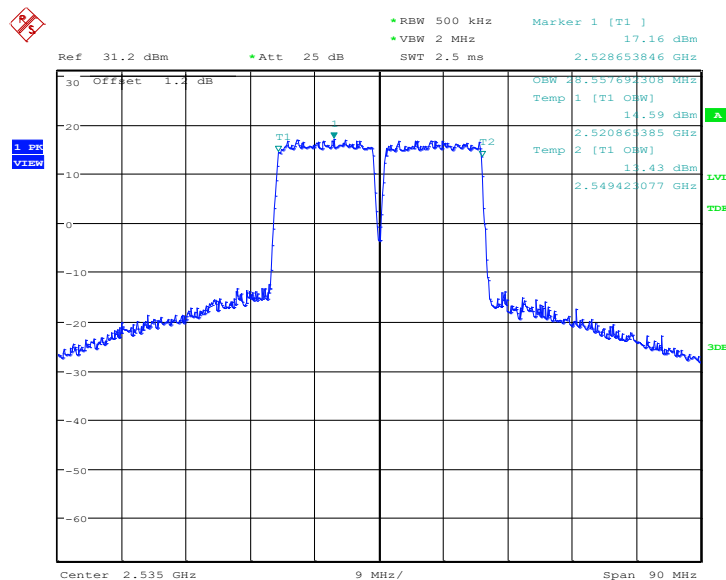
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	28.558	28.558

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



Date: 4.JUL.2023 09:52:55

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

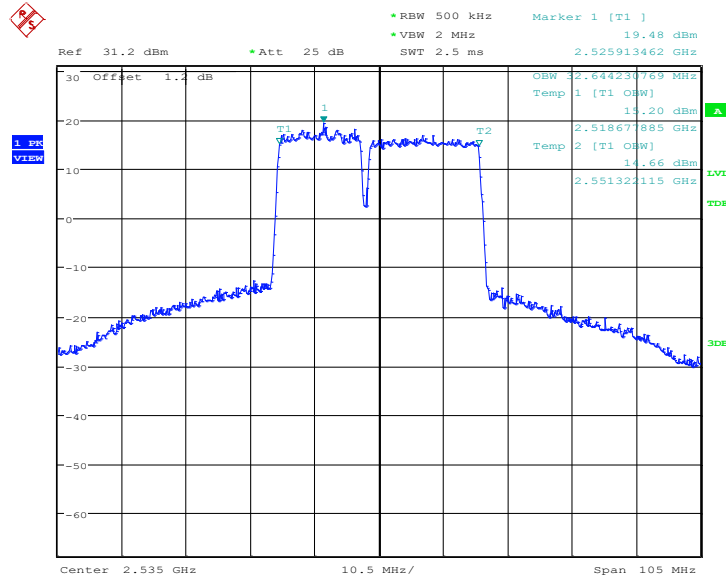


Date: 4.JUL.2023 09:53:18

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

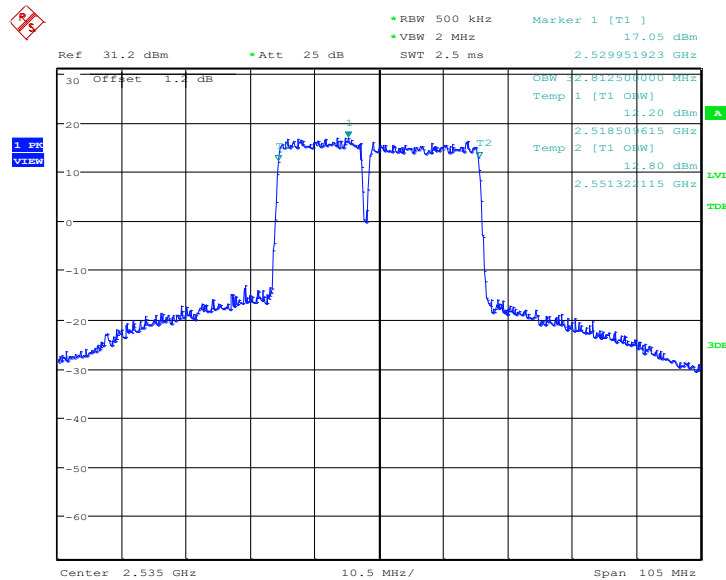
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	32.644	32.812

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



Date: 4.JUL.2023 09:54:17

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

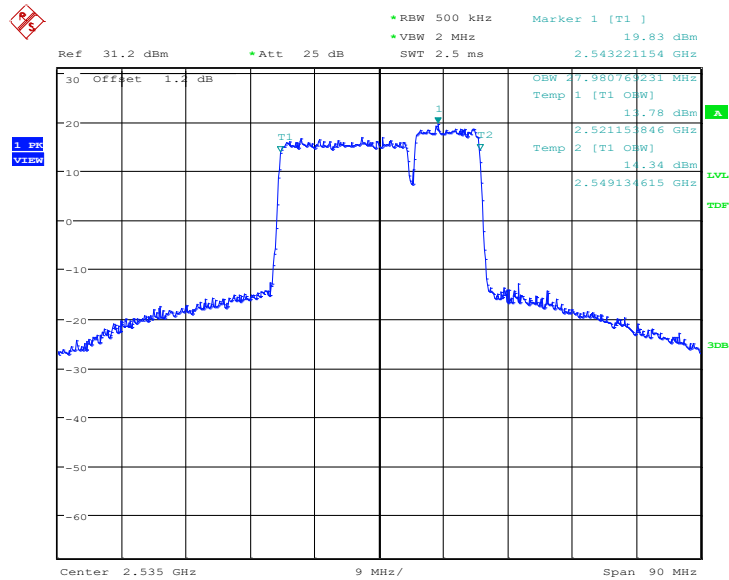


Date: 4.JUL.2023 09:54:40

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

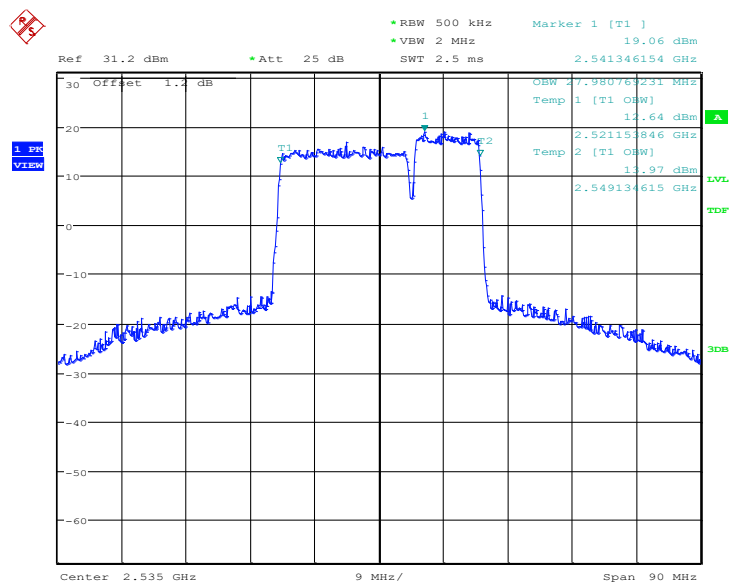
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	27.981	27.981

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



Date: 4.JUL.2023 09:55:39

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

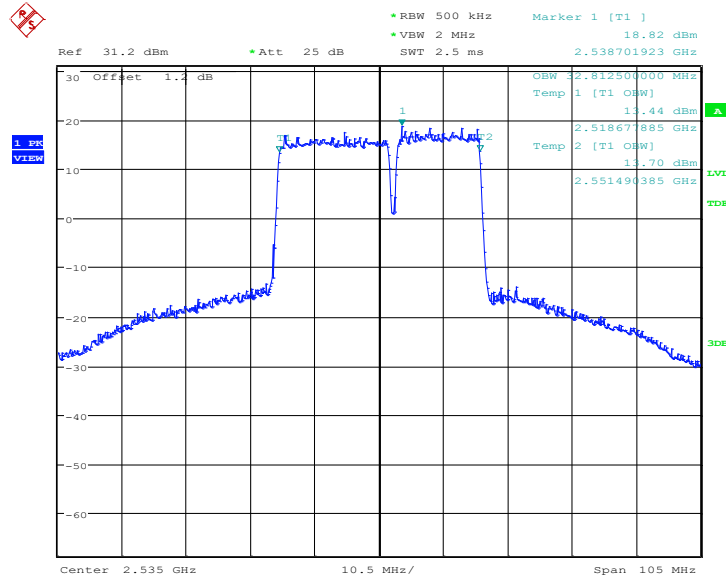


Date: 4.JUL.2023 09:56:03

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

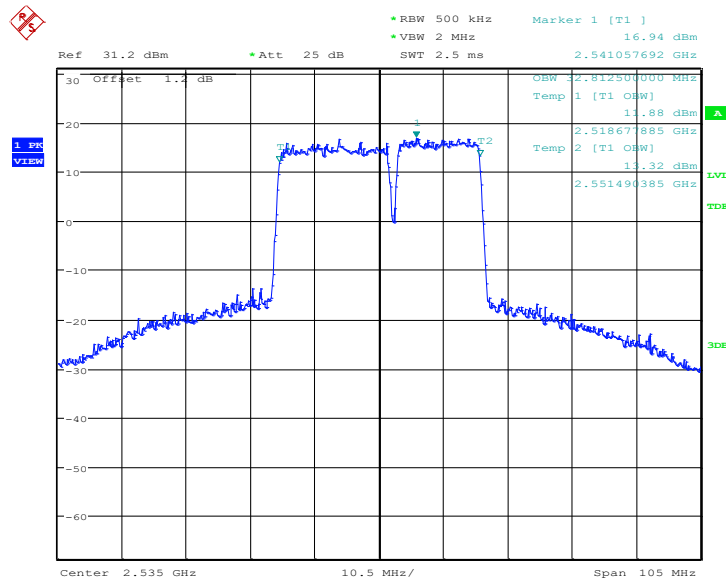
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	32.812	32.812

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



Date: 4.JUL.2023 09:57:01

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

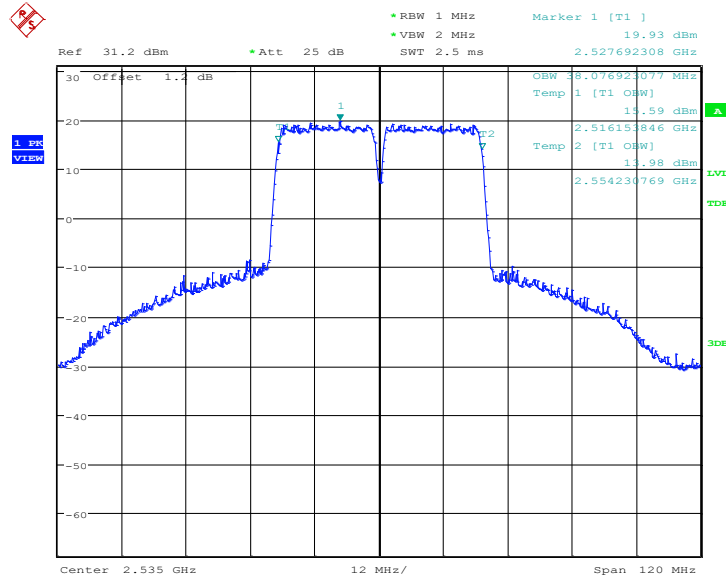


Date: 4.JUL.2023 09:57:25

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

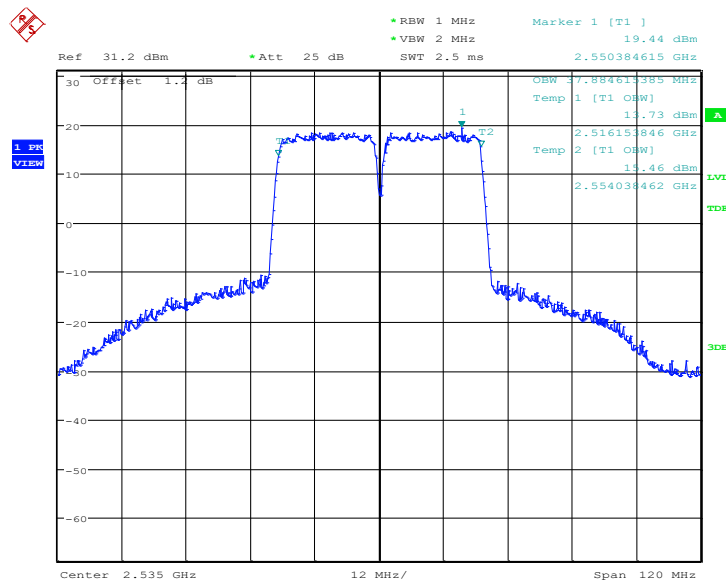
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535.0	38.077	37.885

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



Date: 4.JUL.2023 09:58:24

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

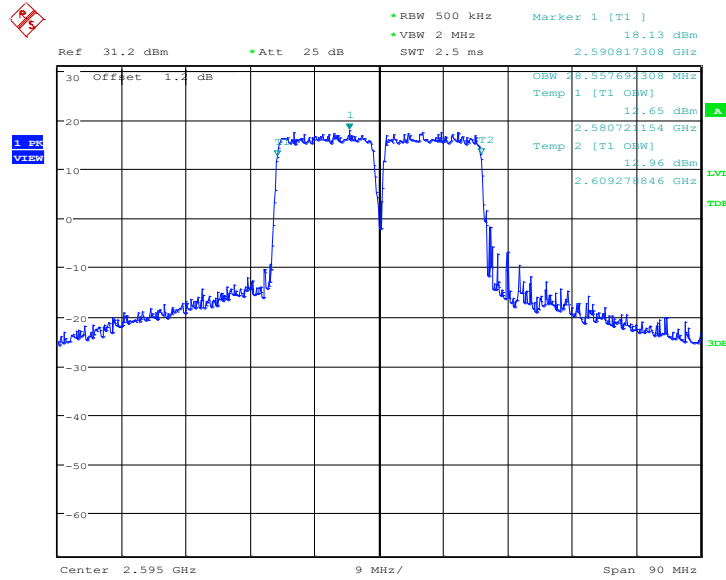


Date: 4.JUL.2023 09:58:47

LTE CA band 38C, 15MHz+15MHz(99%)

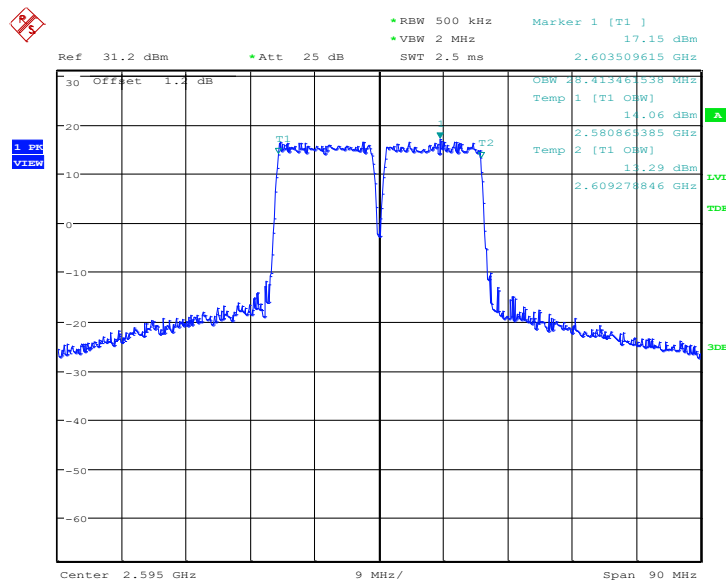
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2595.0	28.558	28.413

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



Date: 4.JUL.2023 09:59:51

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

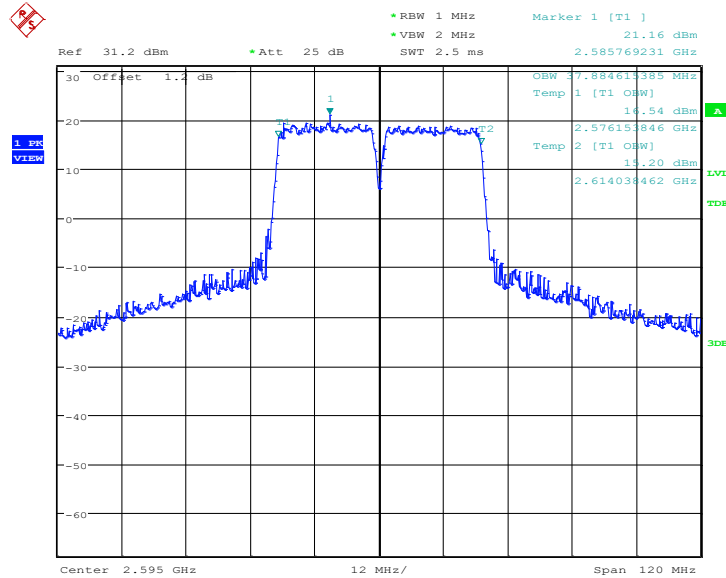


Date: 4.JUL.2023 10:00:14

LTE CA band 38C, 20MHz+20MHz(99%)

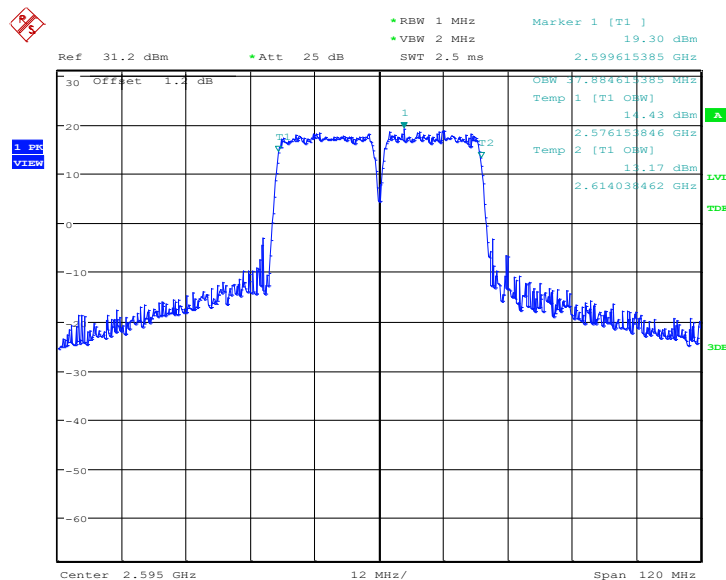
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2595.0	37.885	37.885

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



Date: 4.JUL.2023 10:01:12

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



Date: 4.JUL.2023 10:01:35

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

A.5 Emission Bandwidth

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

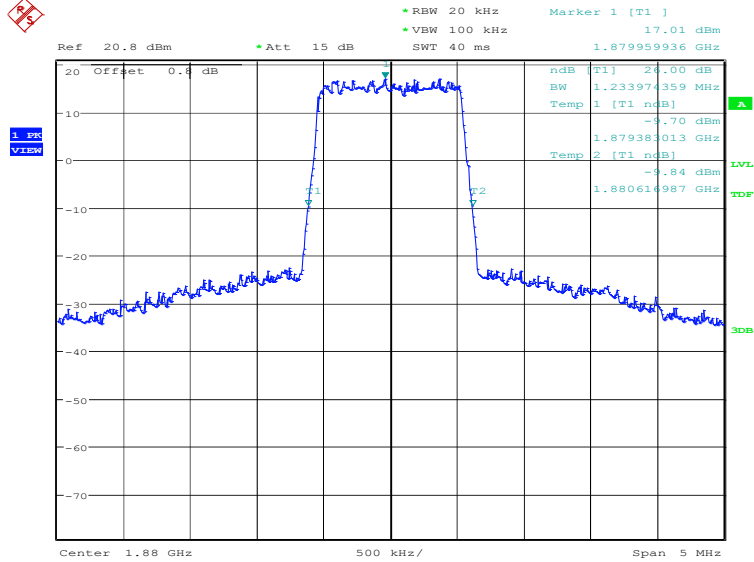
The measurement method is from ANSI C63.26:

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

LTE band 2, 1.4MHz (-26dBc)

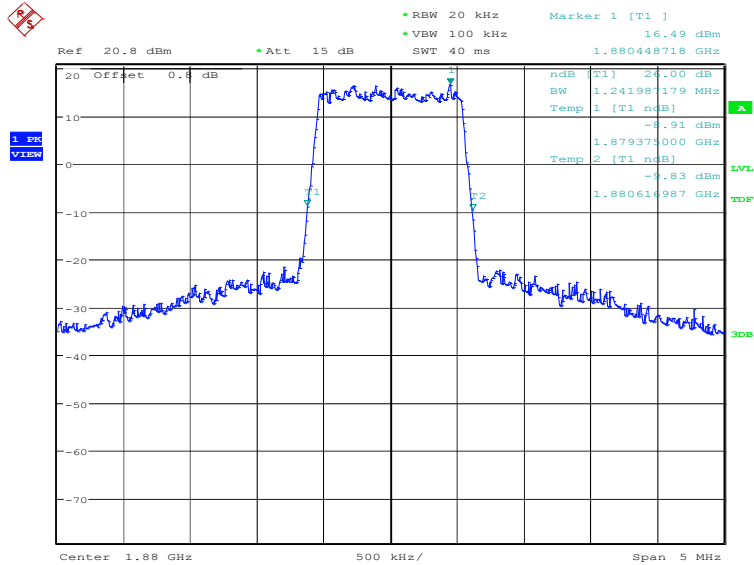
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	1233.97	1241.99

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



Date: 3.JUL.2023 14:54:11

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

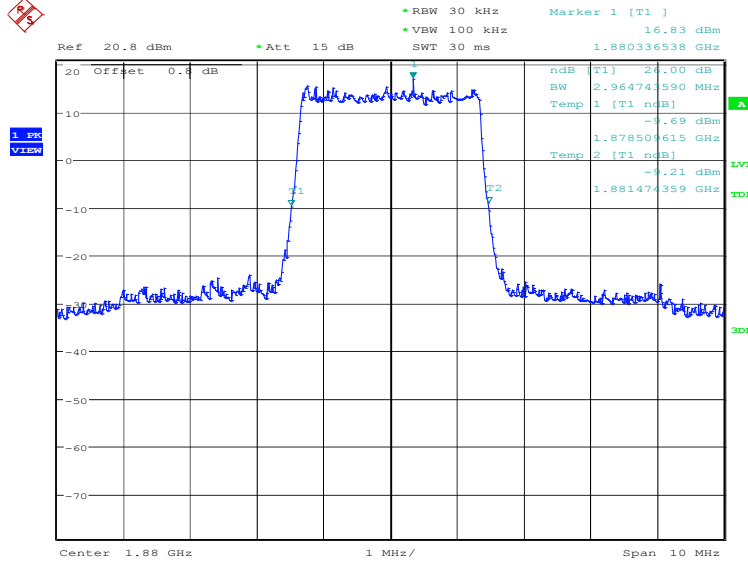


Date: 3.JUL.2023 14:54:51

LTE band 2, 3MHz (-26dBc)

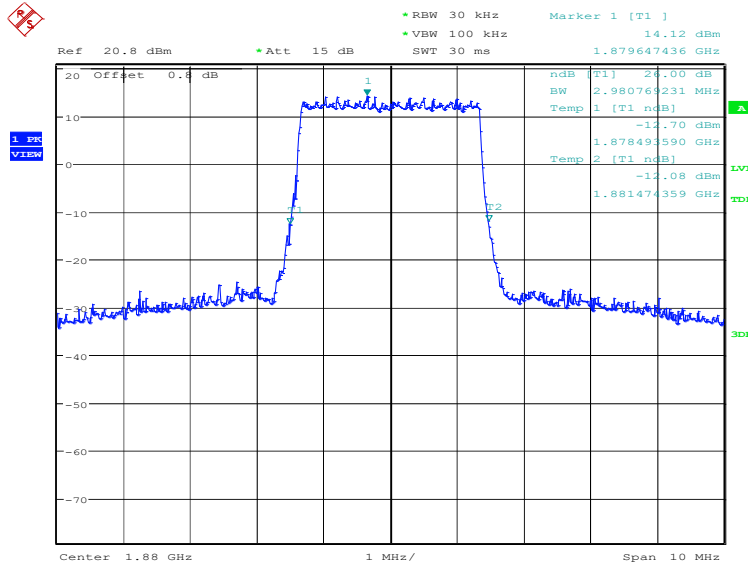
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	2964.74	2980.77

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



Date: 3.JUL.2023 14:55:37

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

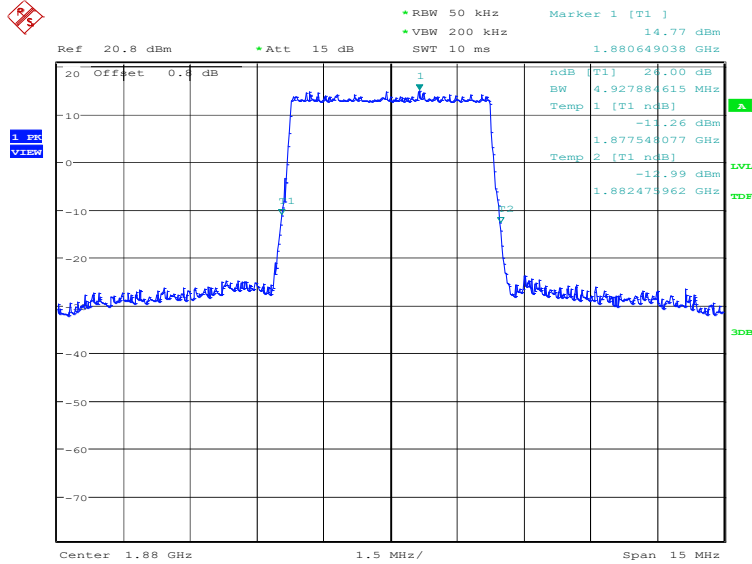


Date: 3.JUL.2023 14:56:18

LTE band 2, 5MHz (-26dBc)

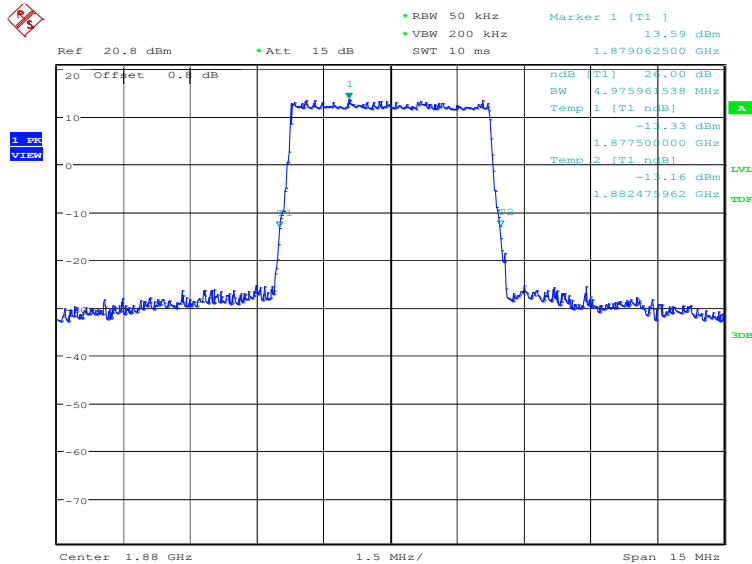
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	4927.88	4975.96

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



Date: 3.JUL.2023 14:57:03

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

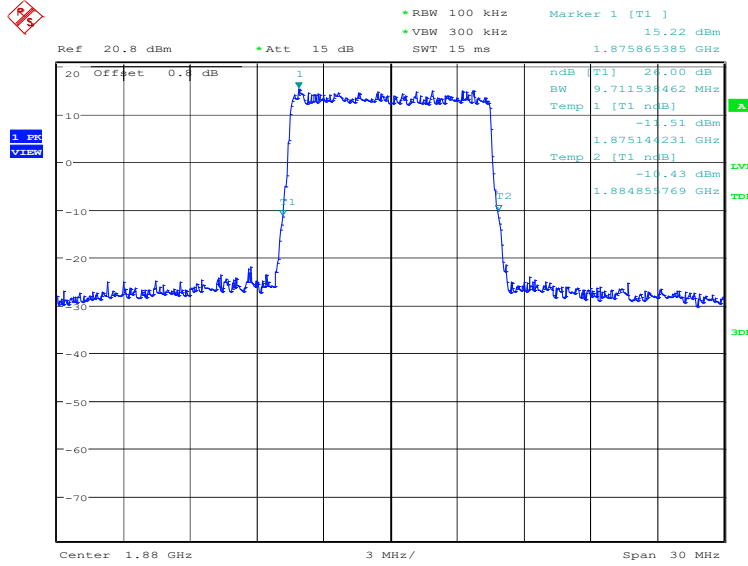


Date: 3.JUL.2023 14:57:44

LTE band 2, 10MHz (-26dBc)

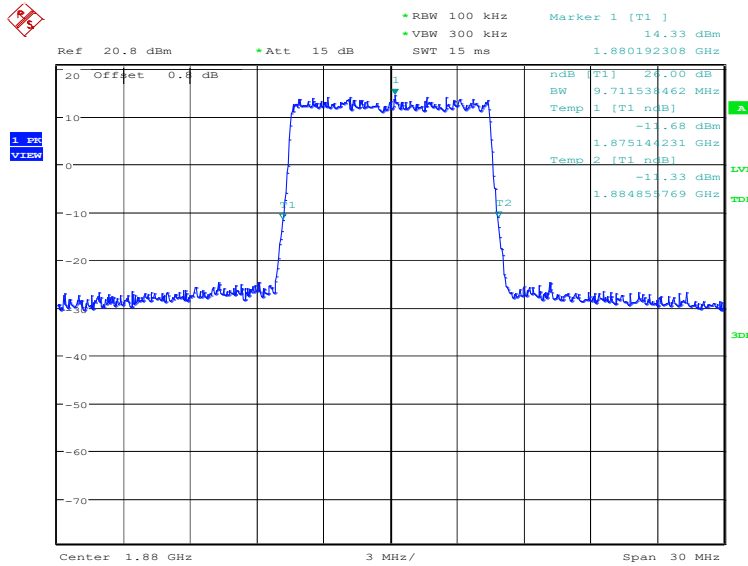
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	9711.54	9711.54

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



Date: 3.JUL.2023 14:58:29

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

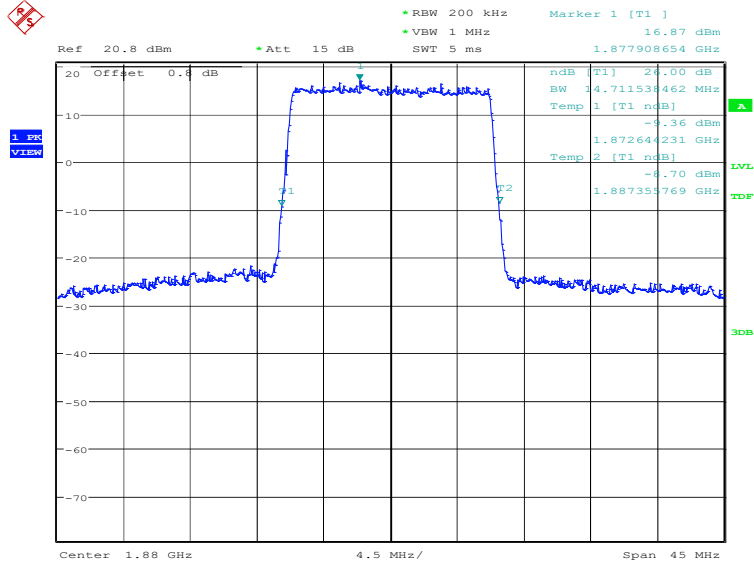


Date: 3.JUL.2023 14:59:10

LTE band 2, 15MHz (-26dBc)

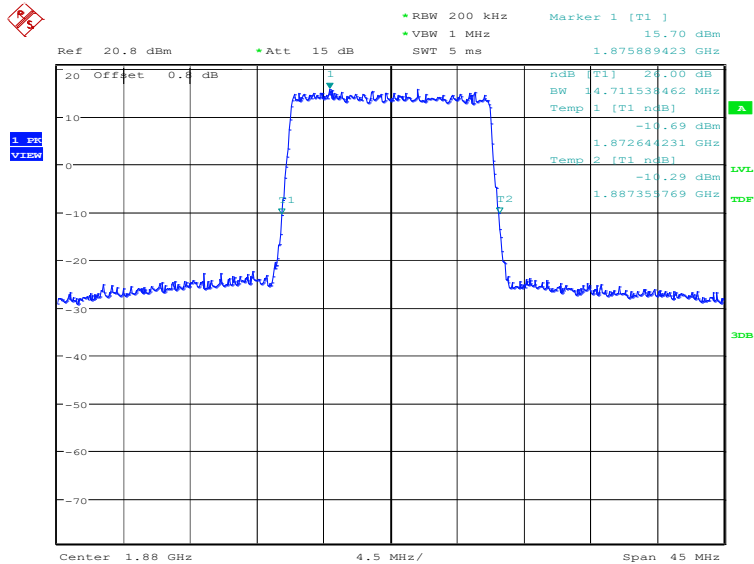
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	14711.54	14711.54

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



Date: 3.JUL.2023 14:59:56

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

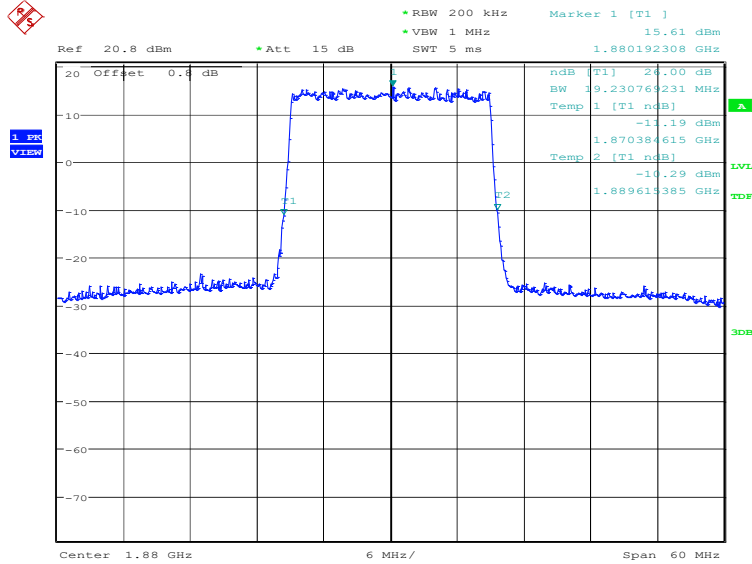


Date: 3.JUL.2023 15:00:36

LTE band 2, 20MHz (-26dBc)

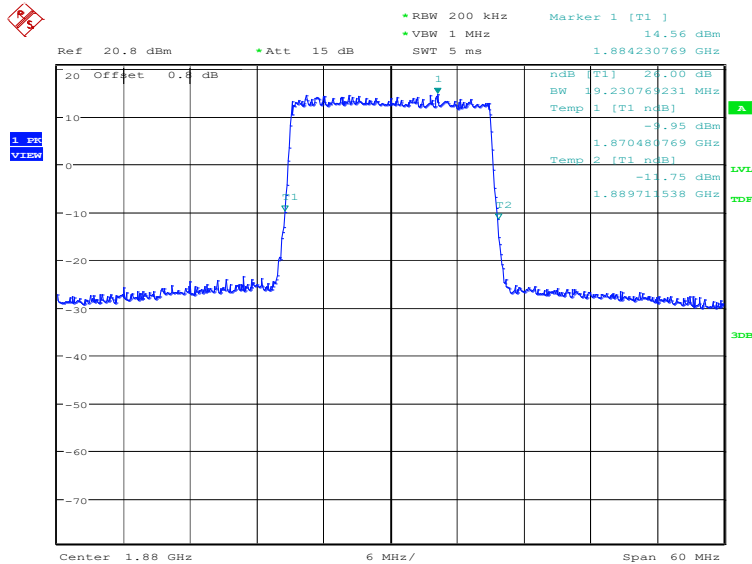
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
	19230.77	19230.77

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



Date: 3.JUL.2023 15:01:22

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

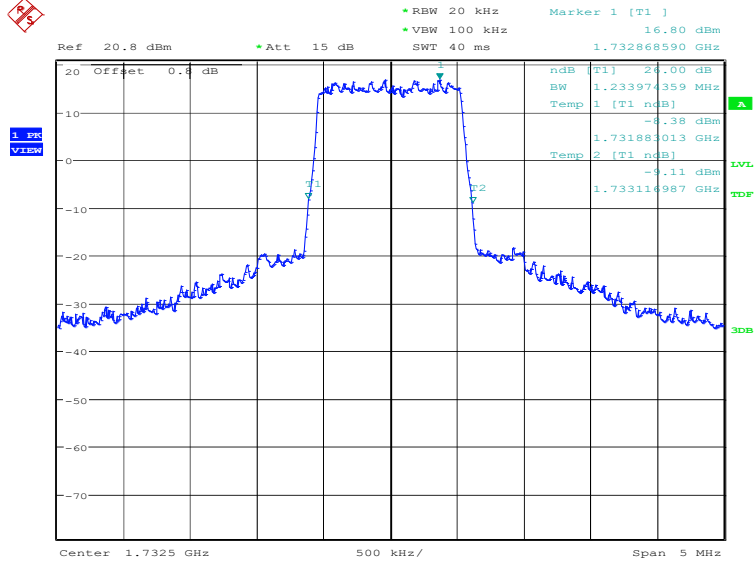


Date: 3.JUL.2023 15:02:03

LTE band 4, 1.4MHz (-26dBc)

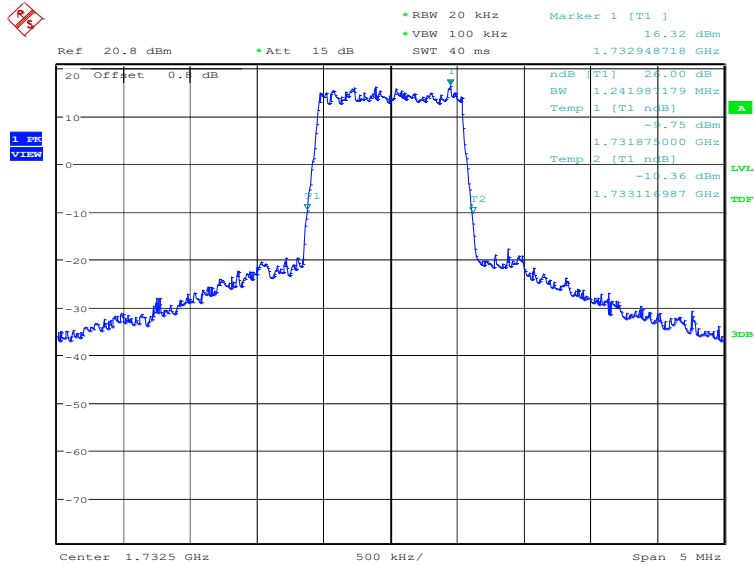
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	1233.97	1241.99

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



Date: 29.AUG.2023 08:57:05

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

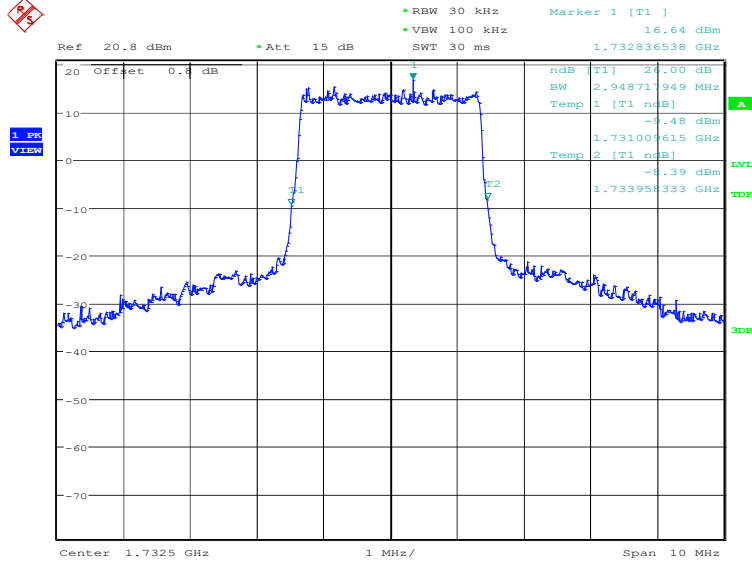


Date: 29.AUG.2023 08:57:46

LTE band 4, 3MHz (-26dBc)

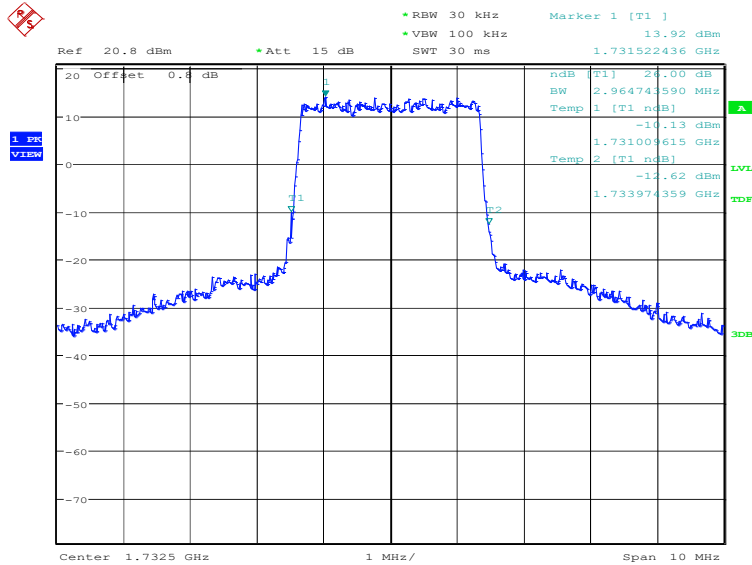
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	2948.72	2964.74

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



Date: 29.AUG.2023 08:58:31

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

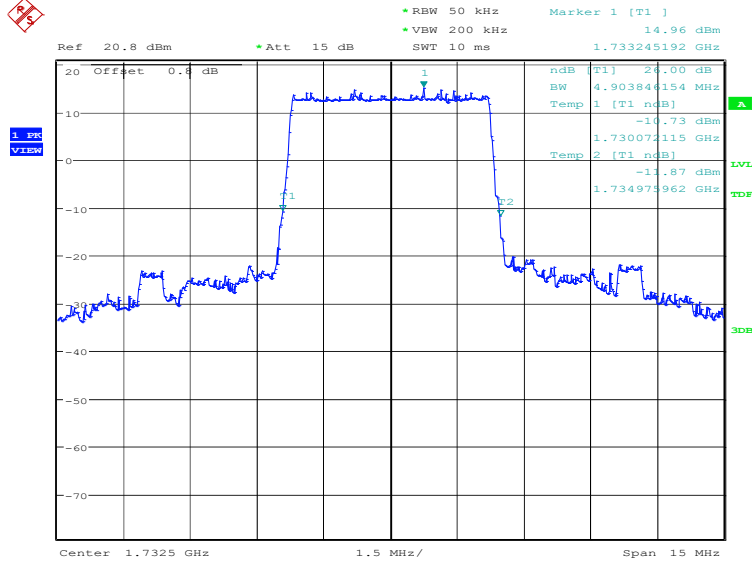


Date: 29.AUG.2023 08:59:11

LTE band 4, 5MHz (-26dBc)

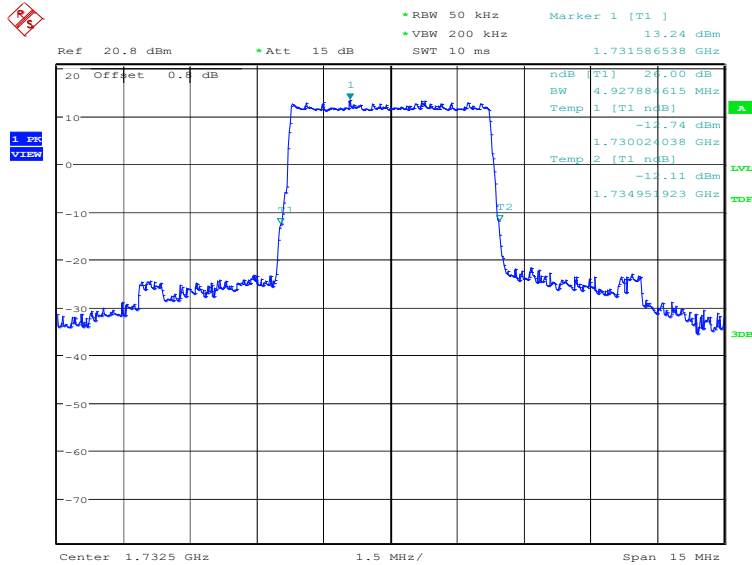
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	4903.85	4927.88

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



Date: 29.AUG.2023 08:59:57

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

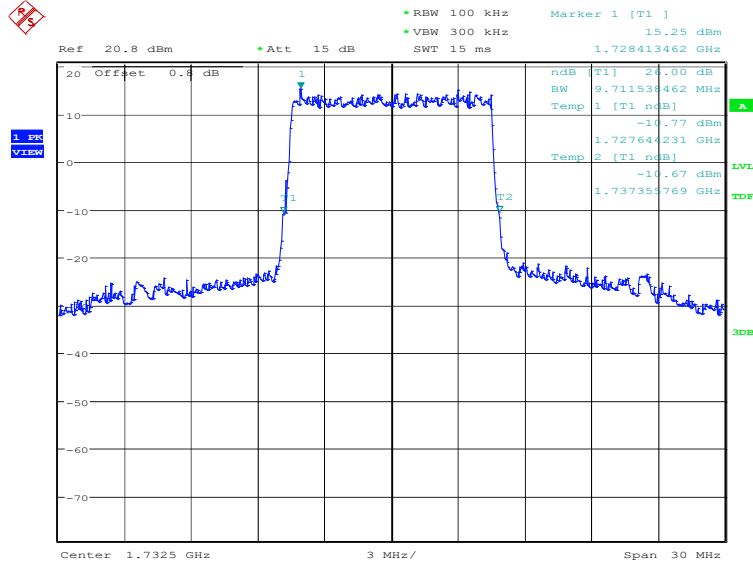


Date: 29.AUG.2023 09:00:37

LTE band 4, 10MHz (-26dBc)

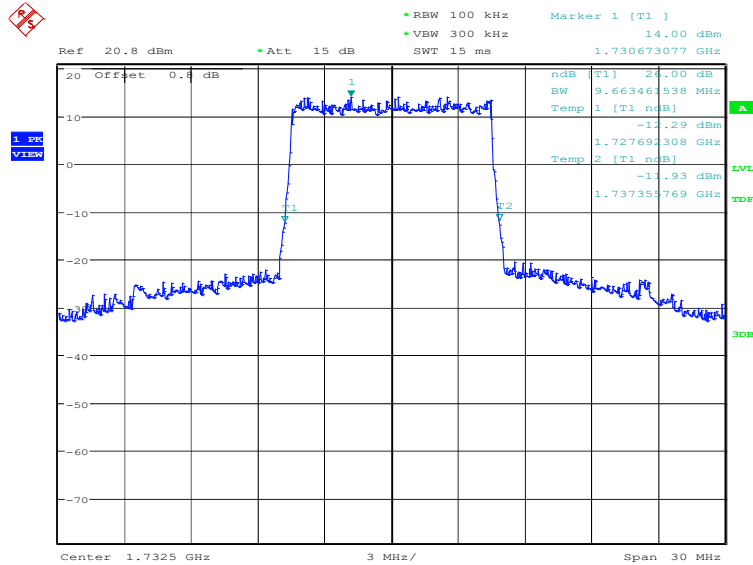
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	9711.54	9663.46

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



Date: 29.AUG.2023 09:01:22

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

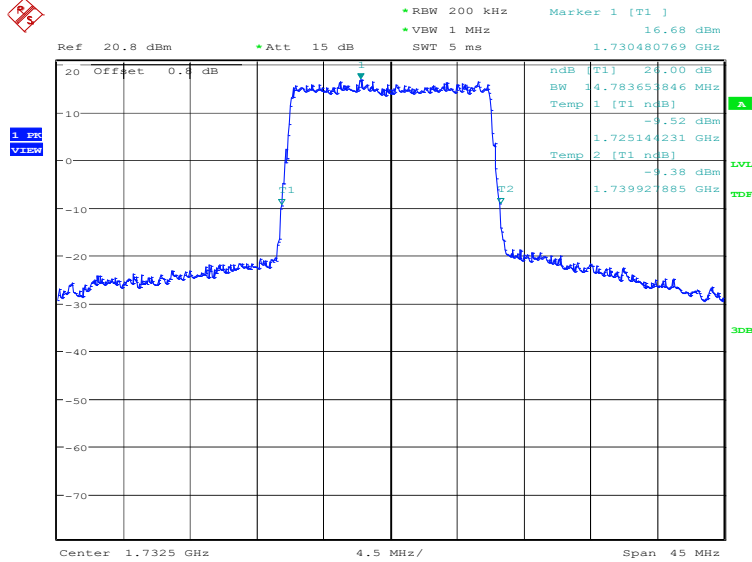


Date: 29.AUG.2023 09:02:03

LTE band 4, 15MHz (-26dBc)

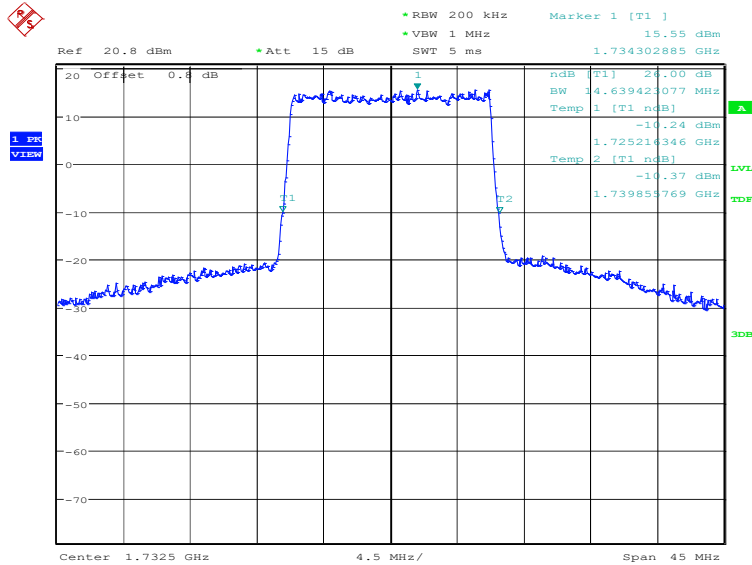
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
	14783.65	14639.42

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



Date: 29.AUG.2023 09:02:48

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

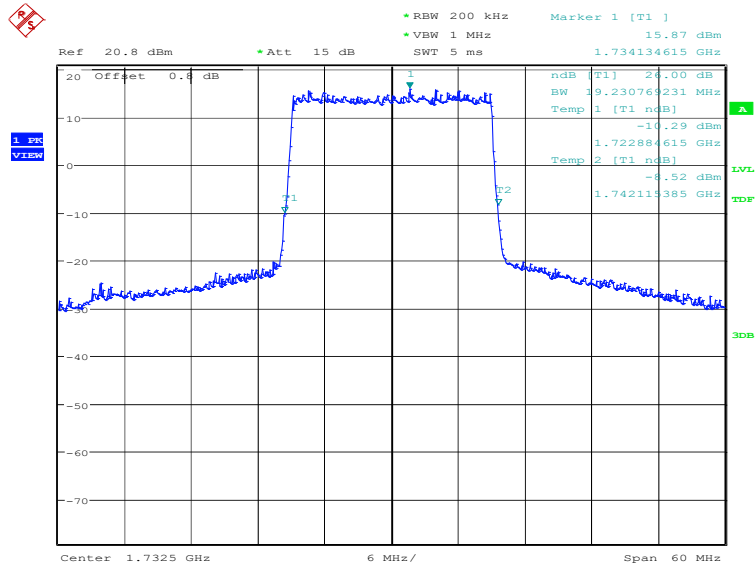


Date: 29.AUG.2023 09:03:29

LTE band 4, 20MHz (-26dBc)

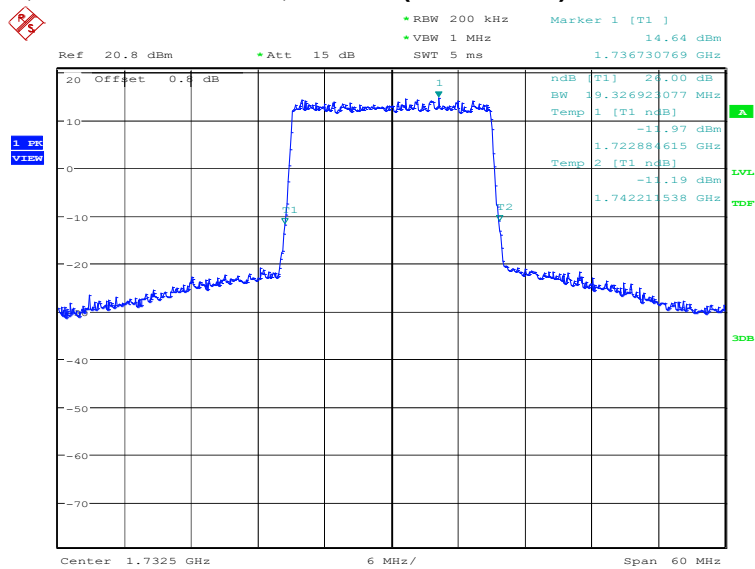
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1732.5	QPSK	16QAM
	19230.77	19326.92

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



Date: 29.AUG.2023 09:04:14

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

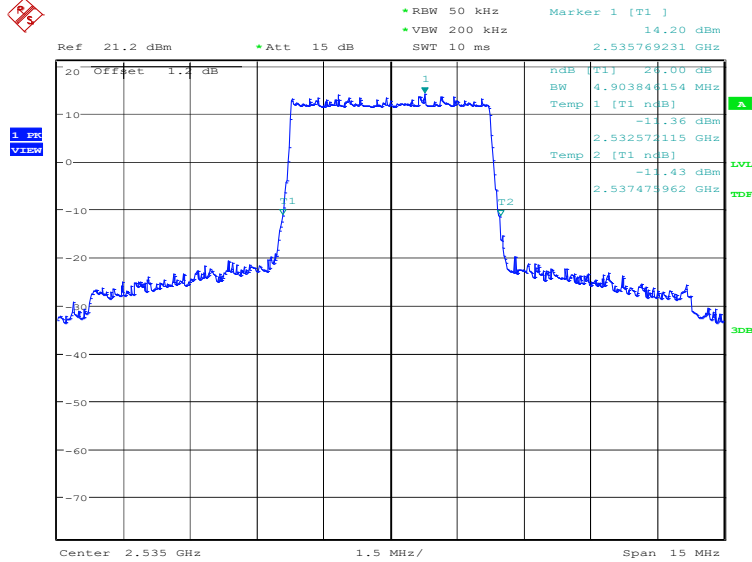


Date: 29.AUG.2023 09:04:54

LTE band 7, 5MHz (-26dBc)

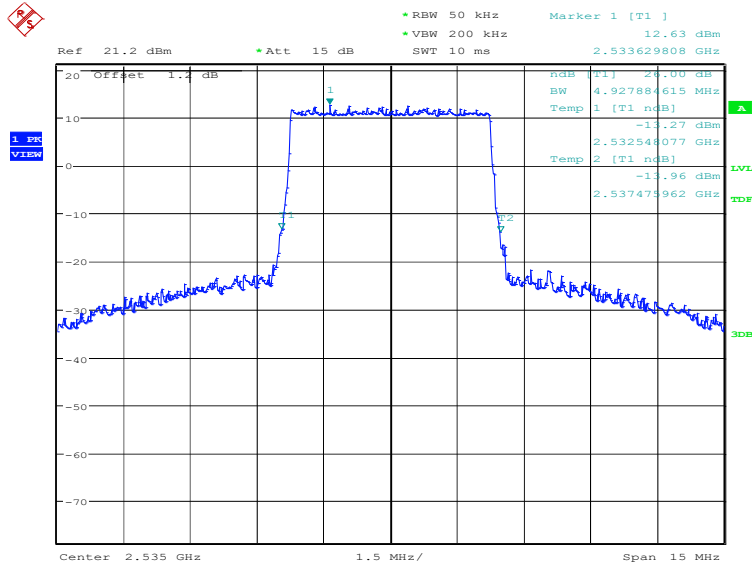
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	4903.85	4927.88

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



Date: 3.JUL.2023 16:43:48

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

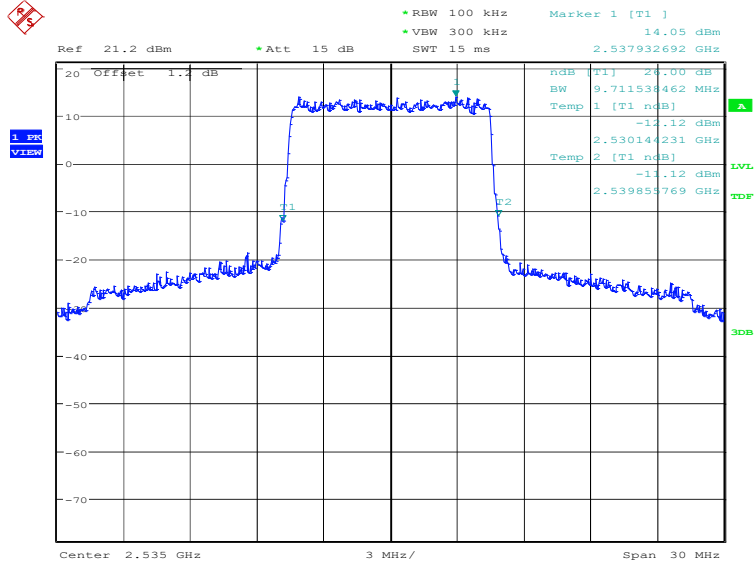


Date: 3.JUL.2023 16:44:29

LTE band 7, 10MHz (-26dBc)

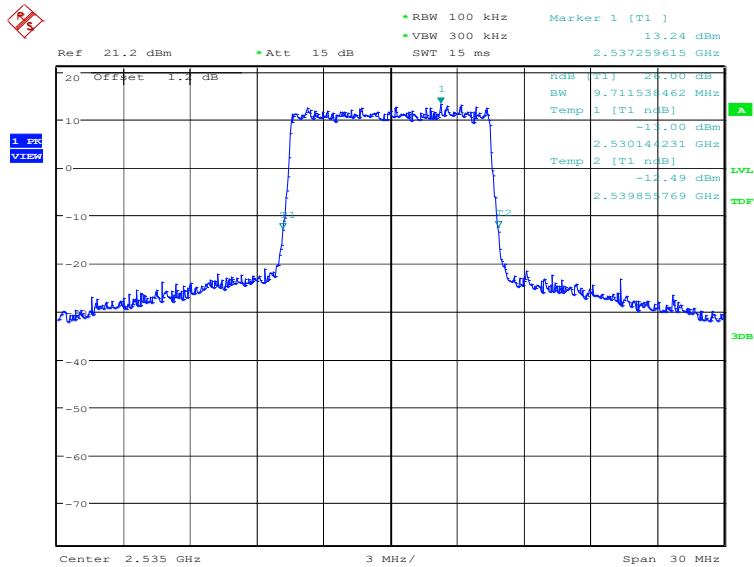
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	9711.54	9711.54

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



Date: 3.JUL.2023 16:45:15

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

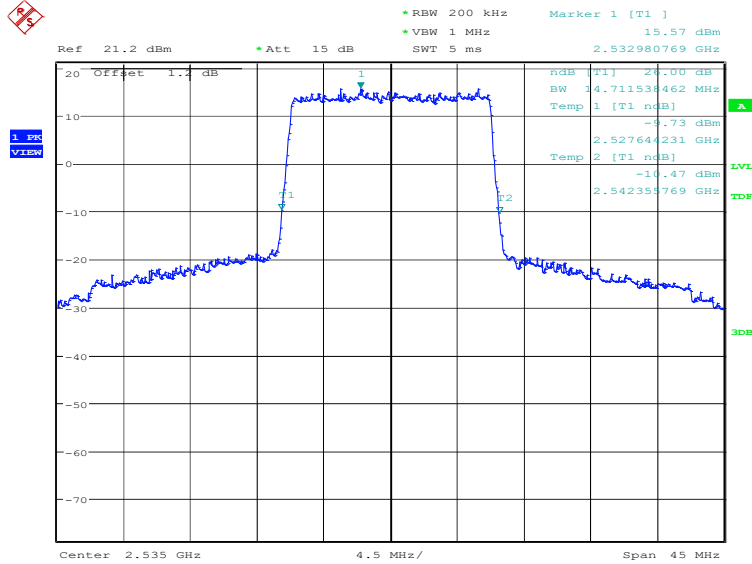


Date: 3.JUL.2023 16:45:55

LTE band 7, 15MHz (-26dBc)

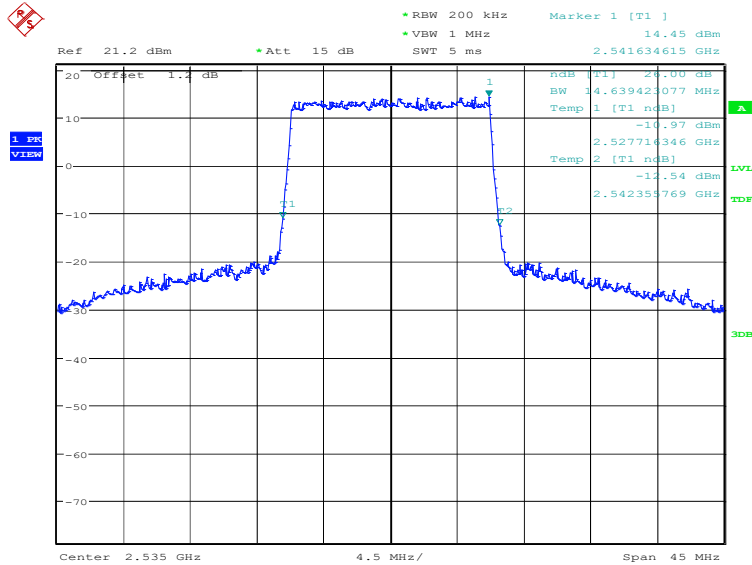
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	14711.54	14639.42

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



Date: 3.JUL.2023 16:46:41

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

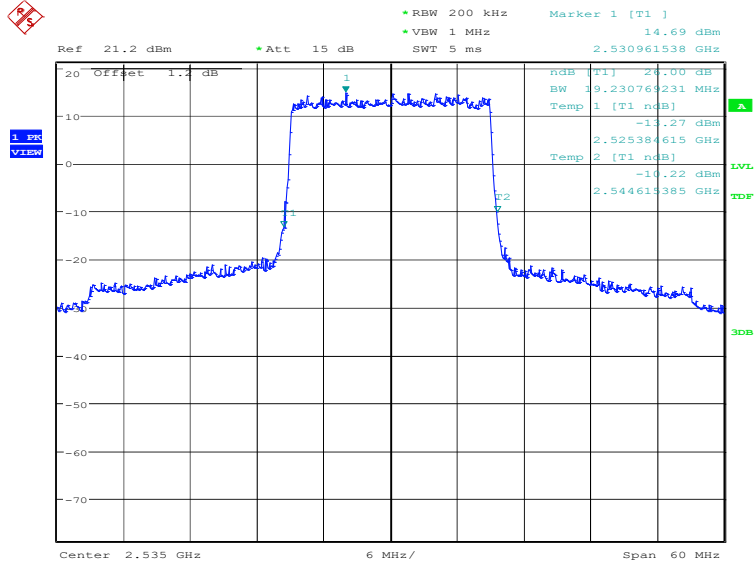


Date: 3.JUL.2023 16:47:21

LTE band 7, 20MHz (-26dBc)

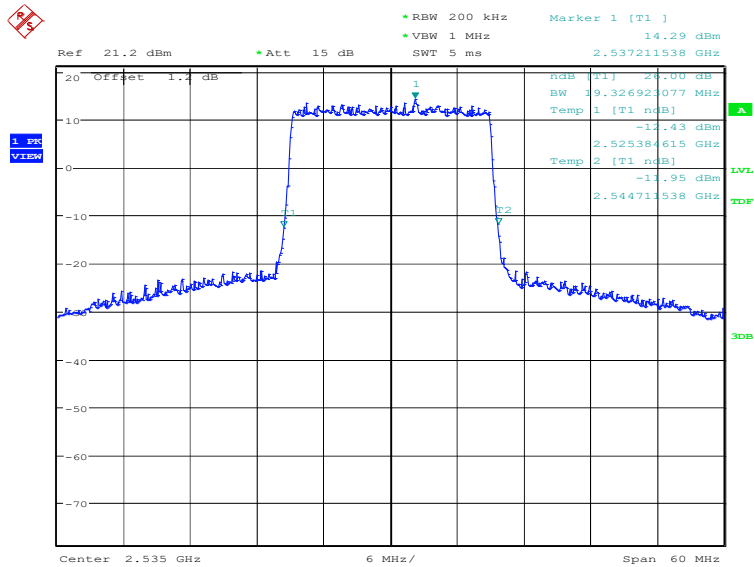
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	19230.77	19326.92

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



Date: 3.JUL.2023 16:48:07

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

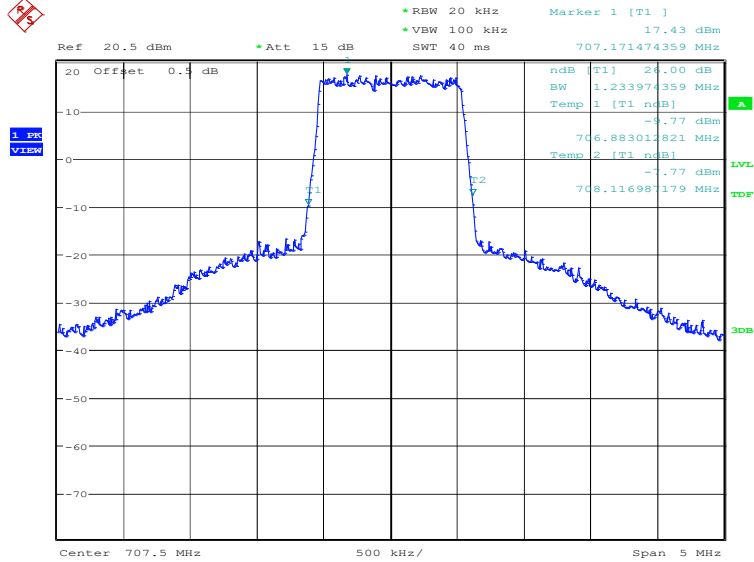


Date: 3.JUL.2023 16:48:47

LTE band 12, 1.4MHz (-26dBc)

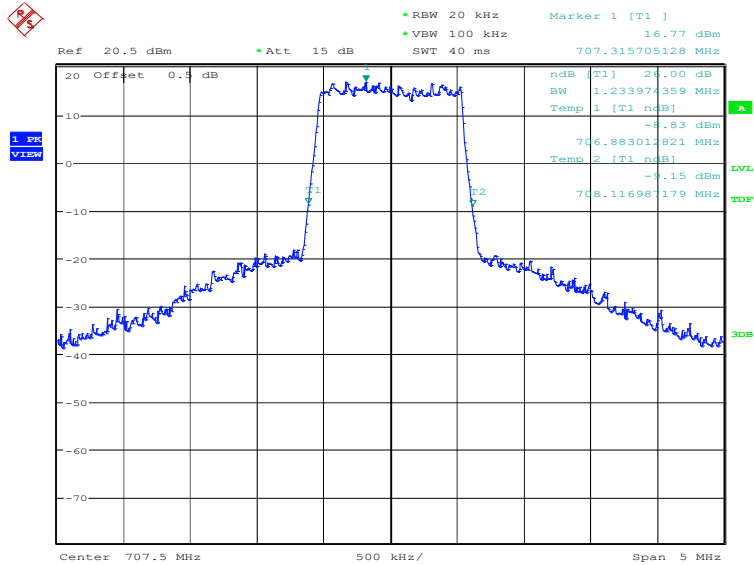
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	1233.97	1233.97

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



Date: 3.JUL.2023 15:03:43

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

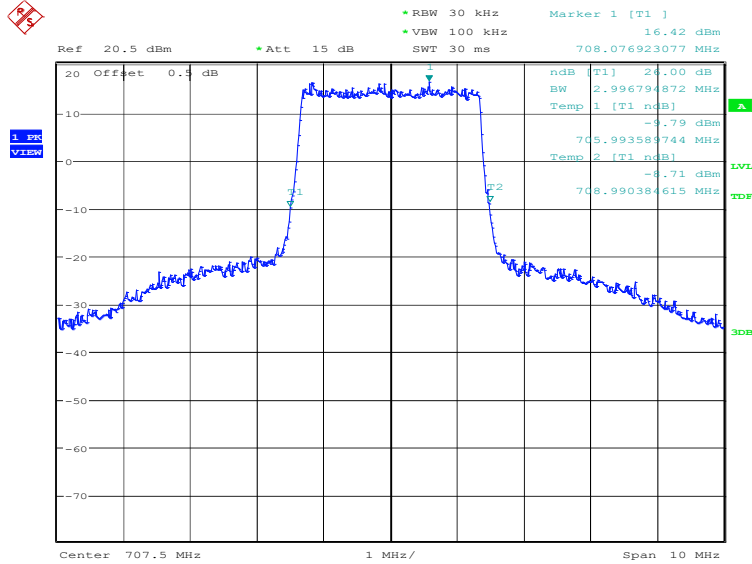


Date: 3.JUL.2023 15:04:24

LTE band 12, 3MHz (-26dBc)

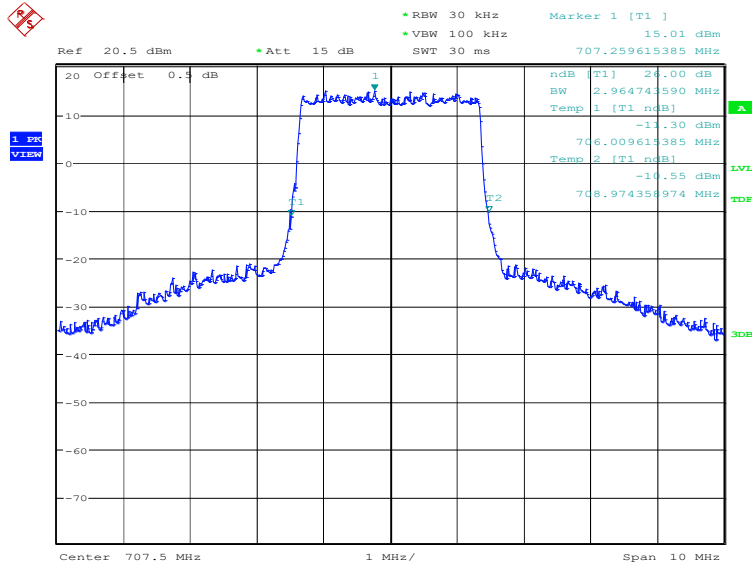
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2996.79	2964.74

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



Date: 3.JUL.2023 15:05:09

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

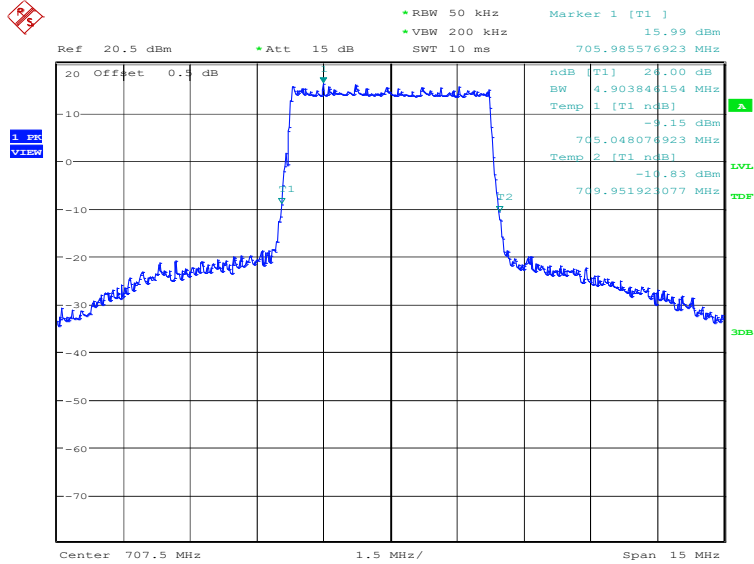


Date: 3.JUL.2023 15:05:50

LTE band 12, 5MHz (-26dBc)

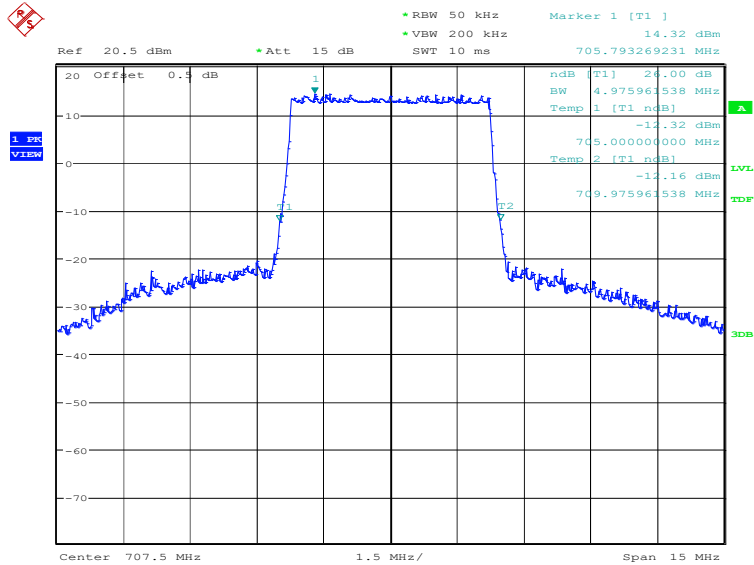
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	4903.85	4975.96

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



Date: 3.JUL.2023 15:06:36

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

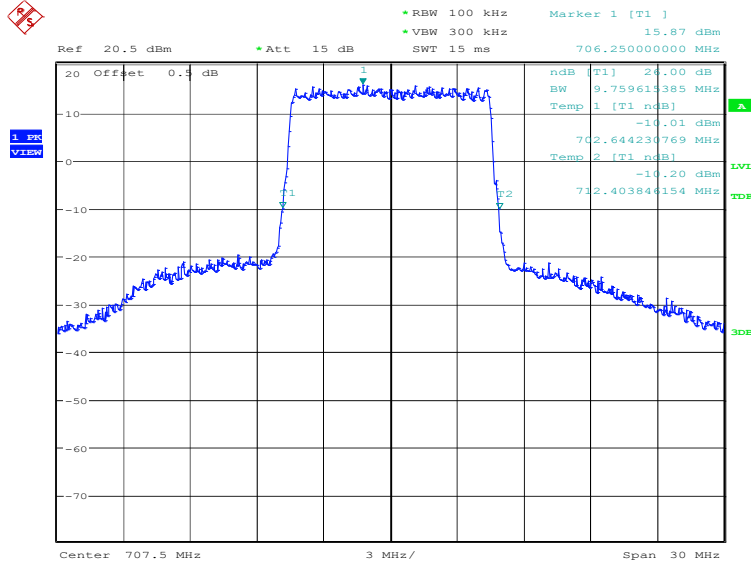


Date: 3.JUL.2023 15:07:16

LTE band 12, 10MHz (-26dBc)

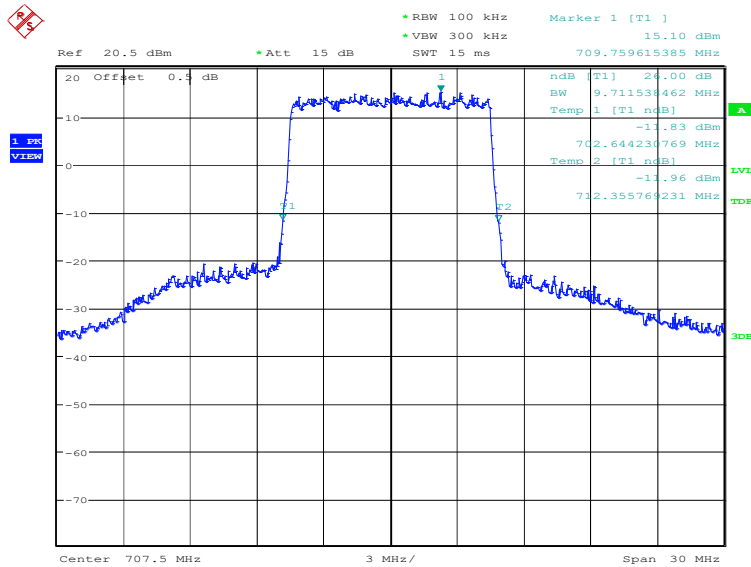
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	9759.62	9711.54

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



Date: 3.JUL.2023 15:08:02

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

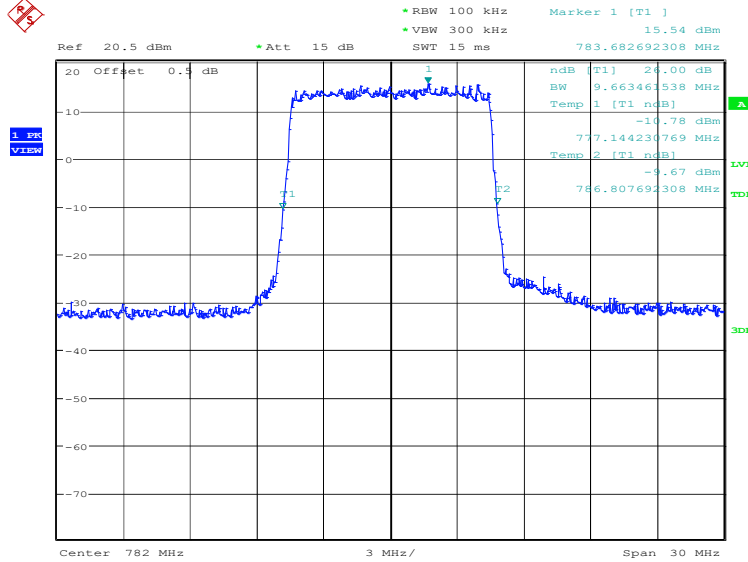


Date: 3.JUL.2023 15:08:43

LTE band 13, 10MHz (-26dBc)

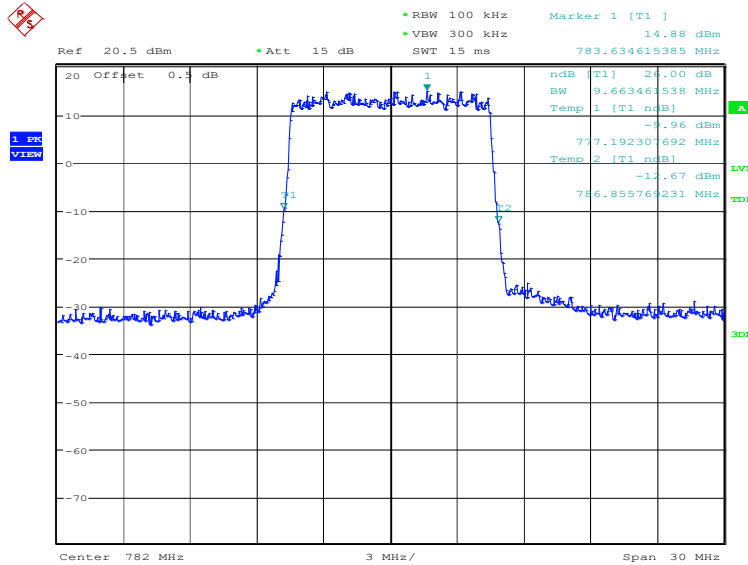
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	9663.46	9663.46

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



Date: 3.JUL.2023 15:10:59

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

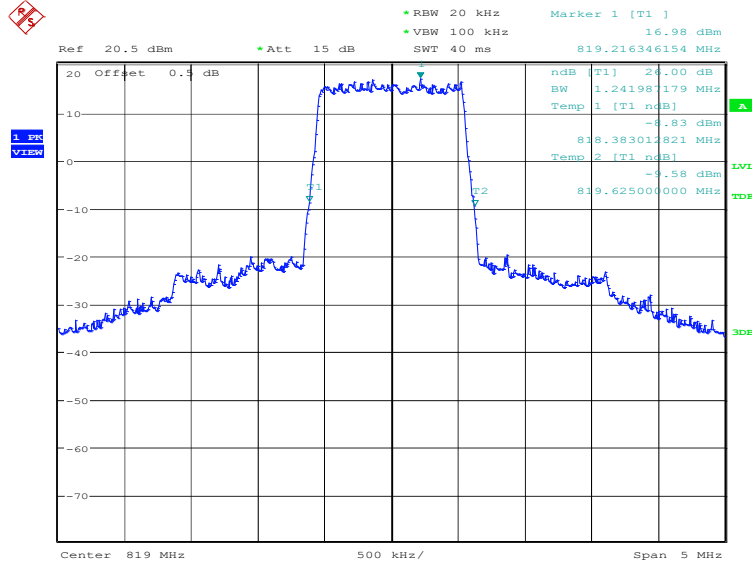


Date: 3.JUL.2023 15:11:40

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

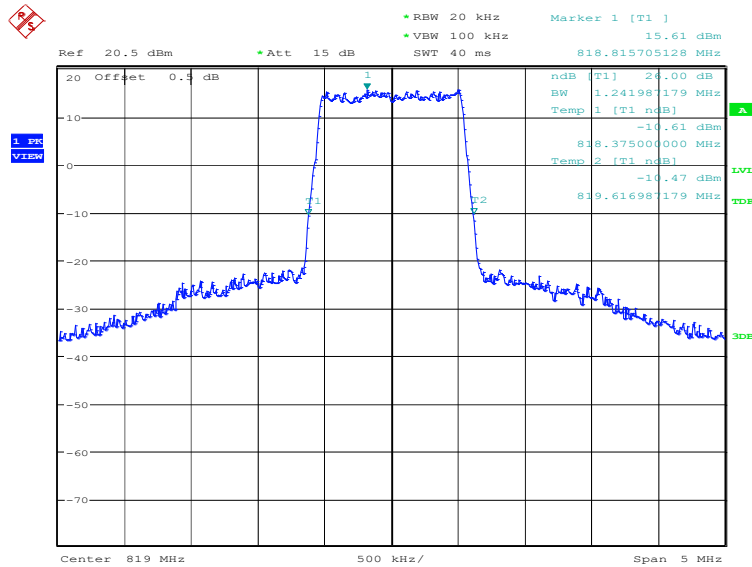
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	1241.99	1241.99

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



Date: 3.JUL.2023 15:20:39

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

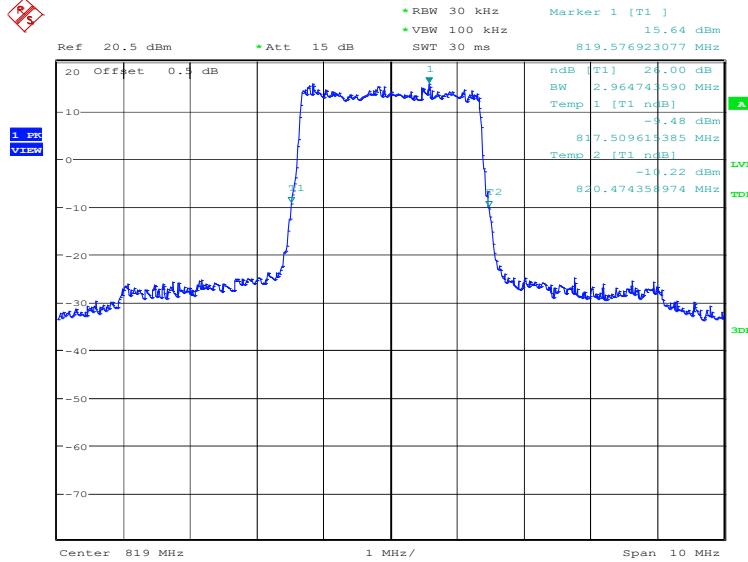


Date: 3.JUL.2023 15:21:20

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

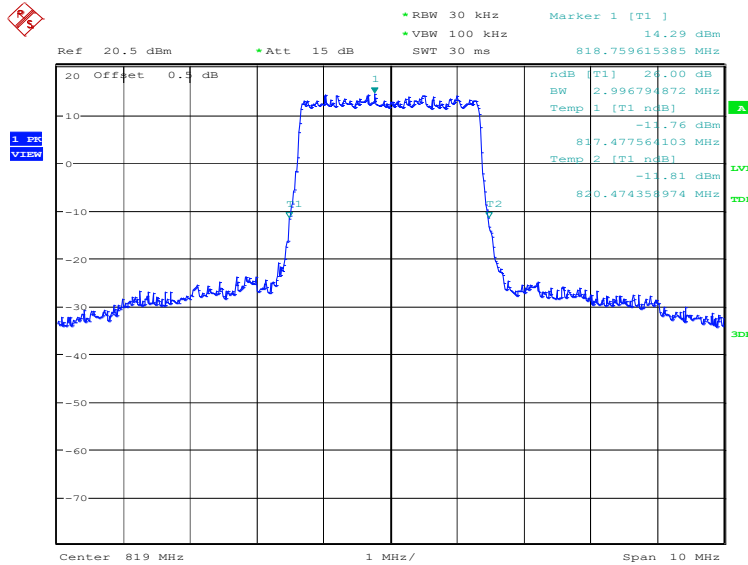
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	2964.74	2996.79

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



Date: 3.JUL.2023 15:22:05

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

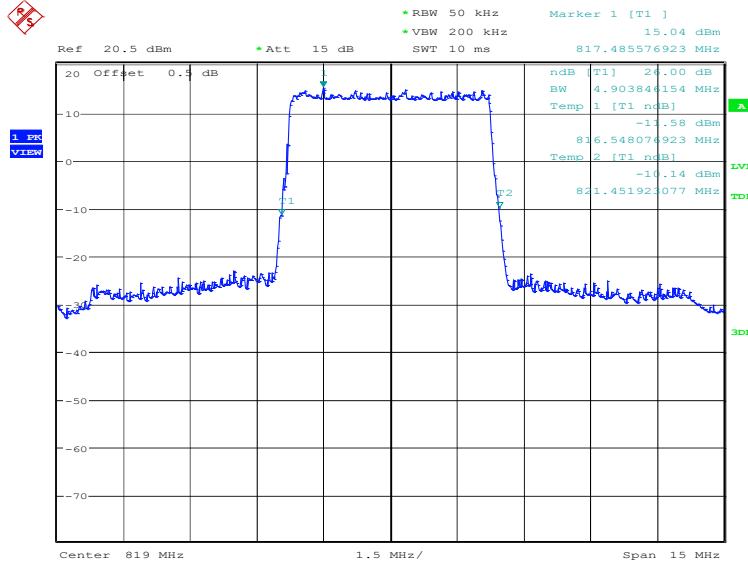


Date: 3.JUL.2023 15:22:46

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

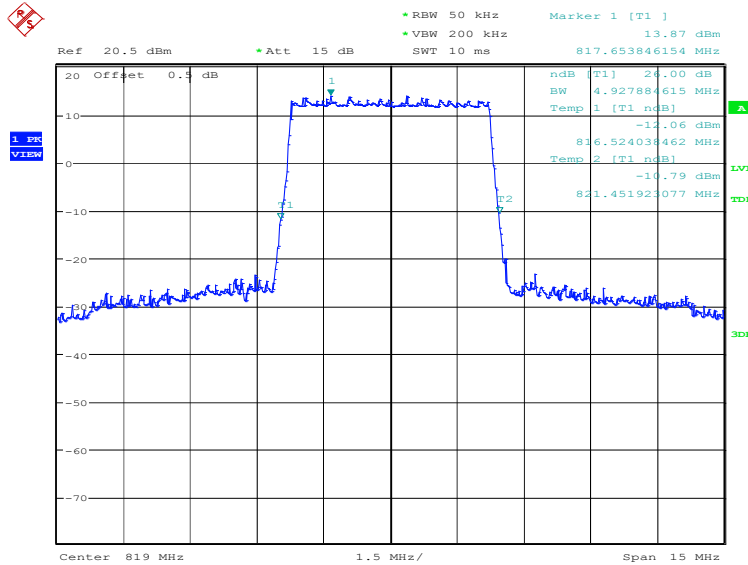
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	4903.85	4927.88

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



Date: 3.JUL.2023 15:23:32

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

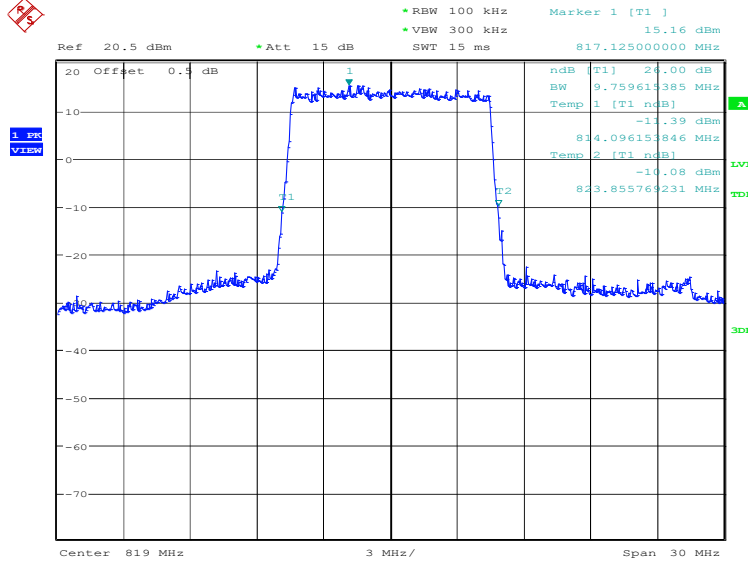


Date: 3.JUL.2023 15:24:13

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

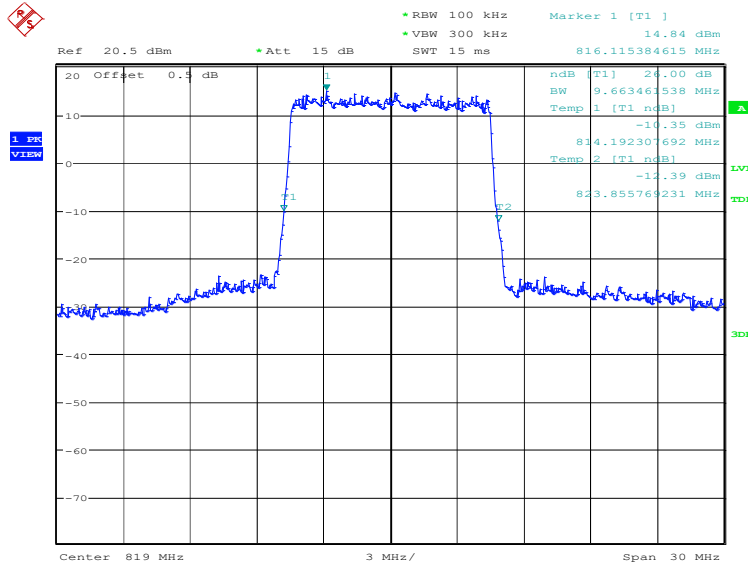
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	9759.62	9663.46

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



Date: 3.JUL.2023 15:24:58

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

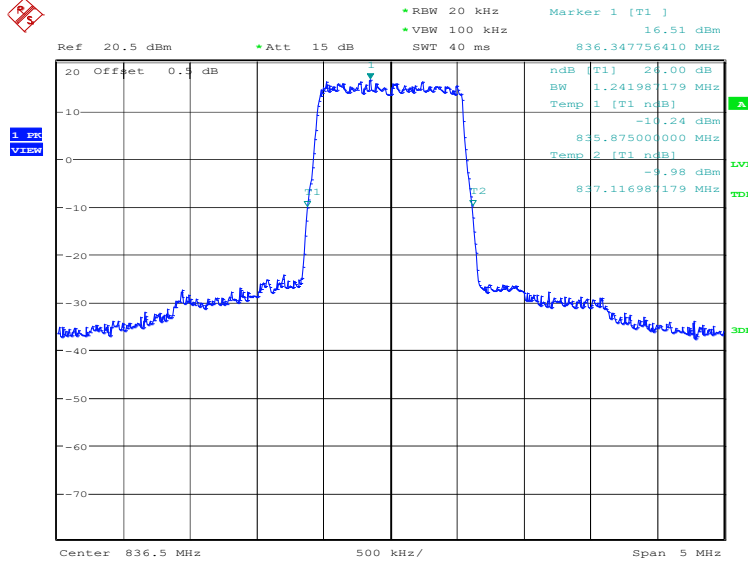


Date: 3.JUL.2023 15:25:39

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

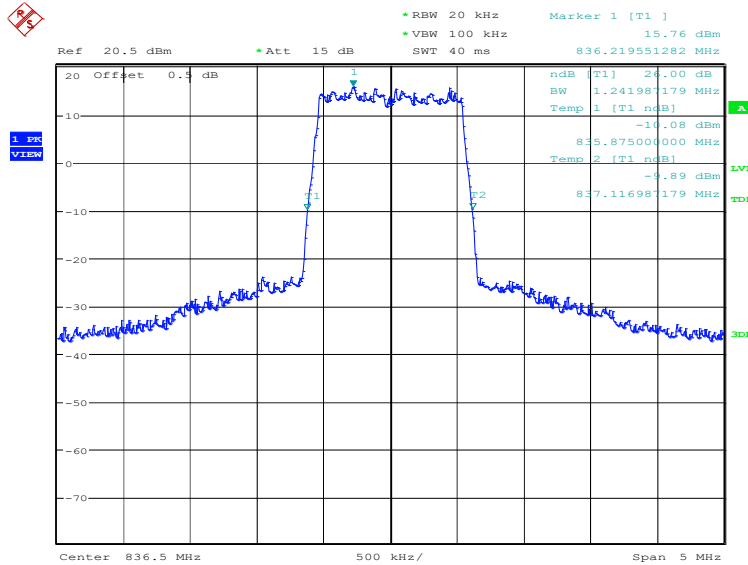
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	1241.99	1241.99

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



Date: 3.JUL.2023 15:12:31

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



Date: 3.JUL.2023 15:13:11