

LTE Band 71, 5MHz,CH133147,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1992.50	-55.17	3.40	7.78	2.15	-52.94	-13.00	39.94	H
2667.00	-50.79	4.98	10.20	2.15	-47.72	-13.00	34.72	V
4659.50	-56.17	5.02	10.92	2.15	-52.42	-13.00	39.42	V
5325.50	-56.61	5.08	11.75	2.15	-52.09	-13.00	39.09	H
5991.00	-47.94	5.67	10.70	2.15	-45.06	-13.00	32.06	V
6656.50	-48.61	6.21	10.41	2.15	-46.56	-13.00	33.56	V

LTE Band 71, 5MHz,CH133297,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2043.00	-54.50	3.70	7.70	2.15	-52.65	-13.00	39.65	H
2729.50	-50.36	4.88	10.26	2.15	-47.13	-13.00	34.13	H
4082.50	-57.37	3.84	10.06	2.15	-53.30	-13.00	40.30	H
4765.00	-56.95	4.81	10.97	2.15	-52.94	-13.00	39.94	V
6126.00	-49.05	6.13	10.65	2.15	-46.68	-13.00	33.68	V
6806.50	-52.31	6.38	10.39	2.15	-50.45	-13.00	37.45	V

LTE Band 71, 5MHz,CH133447,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2088.00	-54.22	3.52	7.78	2.15	-52.11	-13.00	39.11	H
2770.50	-50.40	4.95	10.34	2.15	-47.16	-13.00	34.16	H
4175.50	-56.93	4.02	10.05	2.15	-53.05	-13.00	40.05	V
5565.50	-56.09	5.38	11.23	2.15	-52.39	-13.00	39.39	V
6261.00	-46.74	6.13	10.80	2.15	-44.22	-13.00	31.22	V
6957.00	-49.69	6.47	10.40	2.15	-47.91	-13.00	34.91	V

CA_2A_5A, CH18625_CH20450,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-57.93	3.48	10.38	0.00	-51.03	-13.00	38.03	H
5557.97	-43.97	5.35	11.22	0.00	-38.10	-13.00	25.10	H
7410.47	-43.52	8.04	10.10	0.00	-41.46	-13.00	28.46	H
9262.97	-33.69	8.85	11.70	0.00	-30.84	-13.00	17.84	H
11115.94	-33.85	9.84	12.62	0.00	-31.07	-13.00	18.07	H
12968.44	-44.18	12.54	12.73	0.00	-43.99	-13.00	30.99	H
1656.50	-46.81	2.54	9.49	2.15	-42.01	-13.00	29.01	V
2502.50	-39.08	4.44	10.30	2.15	-35.37	-13.00	22.37	H
4145.62	-42.86	4.54	10.01	2.15	-39.54	-13.00	26.54	V
4974.38	-36.53	5.25	11.25	2.15	-32.68	-13.00	19.68	V
5803.59	-37.29	5.71	11.00	2.15	-34.15	-13.00	21.15	H
6632.34	-34.26	6.04	10.36	2.15	-32.09	-13.00	19.09	H

CA_2A_5A, CH18900_CH20525,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.31	-57.45	3.81	10.16	0.00	-51.10	-13.00	38.10	H
5640.47	-50.03	5.61	11.38	0.00	-44.26	-13.00	31.26	H
7520.62	-46.98	7.71	10.24	0.00	-44.45	-13.00	31.45	H
9401.25	-31.60	9.10	11.50	0.00	-29.20	-13.00	16.20	V
11280.94	-28.67	10.63	12.62	0.00	-26.68	-13.00	13.68	H
13161.09	-40.91	13.21	12.54	0.00	-41.58	-13.00	28.58	H
1695.00	-46.11	2.93	9.41	2.15	-41.78	-13.00	28.78	H
2511.00	-39.12	4.28	10.30	2.15	-35.25	-13.00	22.25	V
4182.66	-43.65	4.07	10.07	2.15	-39.80	-13.00	26.80	V
5019.84	-40.39	5.51	11.42	2.15	-36.63	-13.00	23.63	V
5856.09	-38.30	5.61	10.98	2.15	-35.08	-13.00	22.08	H
6692.81	-31.82	6.20	10.49	2.15	-29.68	-13.00	16.68	H

CA_2A_5A, CH19175_CH20600,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.16	-58.61	3.94	9.97	0.00	-52.58	-13.00	39.58	H
5722.97	-47.90	5.90	11.35	0.00	-42.45	-13.00	29.45	V
7631.25	-47.01	6.73	10.36	0.00	-43.38	-13.00	30.38	H
9538.59	-26.20	9.12	11.88	0.00	-23.44	-13.00	10.44	H
11446.41	-26.77	12.40	12.55	0.00	-26.62	-13.00	13.62	H

13354.22	-36.74	13.11	12.45	0.00	-37.40	-13.00	24.40	V
1699.00	-46.01	2.90	9.40	2.15	-41.66	-13.00	28.66	V
2551.00	-38.75	4.58	10.30	2.15	-35.18	-13.00	22.18	V
4220.16	-40.18	4.57	10.18	2.15	-36.72	-13.00	23.72	H
5064.38	-43.97	5.33	11.60	2.15	-39.85	-13.00	26.85	H
5908.59	-37.52	6.18	10.78	2.15	-35.07	-13.00	22.07	H
6752.34	-34.86	6.31	10.30	2.15	-33.02	-13.00	20.02	H

CA_2A_12A, CH18625_CH23035,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-57.25	3.48	10.38	0.00	-50.35	-13.00	37.35	H
5558.44	-48.25	5.35	11.22	0.00	-42.38	-13.00	29.38	H
7410.47	-44.79	8.04	10.10	0.00	-42.73	-13.00	29.73	H
9263.44	-34.68	8.85	11.70	0.00	-31.83	-13.00	18.83	H
11115.94	-32.90	9.84	12.62	0.00	-30.12	-13.00	17.12	H
12968.44	-41.57	12.54	12.73	0.00	-41.38	-13.00	28.38	H
1405.00	-47.68	1.93	8.13	2.15	-43.63	-13.00	30.63	H
2113.50	-40.77	3.67	8.02	2.15	-38.57	-13.00	25.57	V
2800.50	-36.14	5.26	10.40	2.15	-33.15	-13.00	20.15	H
4911.56	-49.89	4.93	11.05	2.15	-45.92	-13.00	32.92	H
5613.28	-45.61	5.64	11.33	2.15	-42.07	-13.00	29.07	H
6315.00	-49.51	5.87	10.83	2.15	-46.70	-13.00	33.70	H

CA_2A_12A, CH18900_CH23095,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.31	-59.40	3.81	10.16	0.00	-53.05	-13.00	40.05	H
5640.47	-57.18	5.61	11.38	0.00	-51.41	-13.00	38.41	V
7520.62	-44.18	7.71	10.24	0.00	-41.65	-13.00	28.65	H
9401.25	-32.79	9.10	11.50	0.00	-30.39	-13.00	17.39	H
11280.94	-31.02	10.63	12.62	0.00	-29.03	-13.00	16.03	H
13161.56	-40.58	13.21	12.54	0.00	-41.25	-13.00	28.25	H
1426.00	-47.67	2.16	8.26	2.15	-43.72	-13.00	30.72	V
2122.50	-39.01	3.72	8.16	2.15	-36.72	-13.00	23.72	V
2843.00	-36.23	5.05	10.49	2.15	-32.94	-13.00	19.94	V
4953.75	-50.65	4.91	11.21	2.15	-46.50	-13.00	33.50	H
5661.56	-46.00	5.72	11.40	2.15	-42.47	-13.00	29.47	H
6368.91	-45.19	5.76	10.94	2.15	-42.16	-13.00	29.16	H

CA_2A_12A, CH19175_CH23155,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.62	-58.20	3.94	9.97	0.00	-52.17	-13.00	39.17	H
5709.38	-44.53	5.94	11.38	0.00	-39.09	-13.00	26.09	V
7630.78	-45.38	6.72	10.36	0.00	-41.74	-13.00	28.74	H
9538.59	-29.03	9.12	11.88	0.00	-26.27	-13.00	13.27	H

11445.94	-30.71	12.40	12.55	0.00	-30.56	-13.00	17.56	H
13354.22	-37.73	13.11	12.45	0.00	-38.39	-13.00	25.39	H
1430.50	-47.70	1.89	8.28	2.15	-43.46	-13.00	30.46	H
2151.00	-41.04	3.70	8.61	2.15	-38.28	-13.00	25.28	H
2854.50	-35.77	5.06	10.53	2.15	-32.45	-13.00	19.45	H
4995.47	-46.76	5.18	11.29	2.15	-42.80	-13.00	29.80	H
5709.38	-42.38	5.94	11.38	2.15	-39.09	-13.00	26.09	V
6423.28	-42.07	5.85	10.91	2.15	-39.16	-13.00	26.16	H

CA_2A_14A, CH18625_CH23305,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.47	-56.50	3.48	10.38	0.00	-49.60	-13.00	36.60	H
5557.97	-50.31	5.35	11.22	0.00	-44.44	-13.00	31.44	V
7410.47	-41.99	8.04	10.10	0.00	-39.93	-13.00	26.93	H
9263.44	-36.58	8.85	11.70	0.00	-33.73	-13.00	20.73	H
11115.94	-33.30	9.84	12.62	0.00	-30.52	-13.00	17.52	H
12968.91	-41.92	12.54	12.73	0.00	-41.73	-13.00	28.73	H
3952.97	-49.73	6.10	8.83	2.15	-49.15	-13.00	36.15	H
4743.75	-41.07	6.56	9.64	2.15	-40.14	-13.00	27.14	V
5535.00	-37.00	7.17	10.59	2.15	-35.73	-13.00	22.73	H
6325.31	-40.74	7.56	10.83	2.15	-39.62	-13.00	26.62	V
7115.63	-46.60	8.16	11.74	2.15	-45.17	-13.00	32.17	H
7903.13	-50.14	8.42	12.52	2.15	-48.19	-13.00	35.19	H

CA_2A_14A, CH18900_CH23330,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.31	-56.75	3.81	10.16	0.00	-50.40	-13.00	37.40	H
5640.47	-45.21	5.61	11.38	0.00	-39.44	-13.00	26.44	H
7520.62	-44.61	7.71	10.24	0.00	-42.08	-13.00	29.08	H
9400.78	-33.78	9.10	11.50	0.00	-31.38	-13.00	18.38	H
11281.41	-30.13	10.63	12.62	0.00	-28.14	-13.00	15.14	H
13161.09	-40.47	13.21	12.54	0.00	-41.14	-13.00	28.14	H
3965.63	-48.00	6.09	8.85	2.15	-47.39	-13.00	34.39	H
4758.75	-40.60	6.59	9.66	2.15	-39.68	-13.00	26.68	H
5552.34	-35.04	7.18	10.59	2.15	-33.78	-13.00	20.78	H
6345.47	-39.47	7.56	10.85	2.15	-38.33	-13.00	25.33	V
7139.06	-49.23	8.17	11.77	2.15	-47.78	-13.00	34.78	V
7933.59	-49.66	8.39	12.55	2.15	-47.65	-13.00	34.65	V

CA_2A_14A, CH19175_CH23355,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.16	-58.27	3.94	9.97	0.00	-52.24	-13.00	39.24	H
5722.97	-45.57	5.90	11.35	0.00	-40.12	-13.00	27.12	H
7630.31	-44.85	6.72	10.36	0.00	-41.21	-13.00	28.21	H
9538.12	-32.86	9.12	11.88	0.00	-30.10	-13.00	17.10	H
11445.94	-29.12	12.40	12.55	0.00	-28.97	-13.00	15.97	H

13353.75	-40.68	13.11	12.45	0.00	-41.34	-13.00	28.34	V
3978.75	-49.68	6.08	8.87	2.15	-49.04	-13.00	36.04	V
4773.75	-43.66	6.62	9.67	2.15	-42.76	-13.00	29.76	H
5569.69	-39.80	7.20	10.59	2.15	-38.56	-13.00	25.56	V
6365.63	-39.15	7.56	10.87	2.15	-37.99	-13.00	24.99	H
7160.63	-49.51	8.18	11.79	2.15	-48.05	-13.00	35.05	V
7959.38	-49.66	8.37	12.57	2.15	-47.61	-13.00	34.61	H

CA_4A_12A, CH19975_CH23035,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3425.16	-64.85	5.38	8.02	0.00	-62.21	-13.00	49.21	H
5138.44	-52.31	6.86	10.09	0.00	-49.08	-13.00	36.08	H
6850.78	-61.47	7.82	11.42	0.00	-57.87	-13.00	44.87	V
8563.13	-58.37	8.56	13.01	0.00	-53.92	-13.00	40.92	H
10276.41	-49.73	9.56	13.01	0.00	-46.28	-13.00	33.28	V
11988.75	-48.41	10.10	13.00	0.00	-45.51	-13.00	32.51	H
1403.50	-55.46	3.24	5.00	2.15	-55.85	-13.00	42.85	H
2112.00	-33.72	4.20	4.94	2.15	-35.13	-13.00	22.13	V
2810.00	-44.90	4.93	6.66	2.15	-45.32	-13.00	32.32	V
3505.78	-65.09	5.53	8.21	2.15	-64.56	-13.00	51.56	H
4209.38	-63.15	6.23	9.11	2.15	-62.42	-13.00	49.42	V
4911.56	-56.33	6.73	9.81	2.15	-55.40	-13.00	42.40	H

CA_4A_12A, CH20175_CH23095,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-67.01	5.46	8.12	0.00	-64.35	-13.00	51.35	H
5197.97	-61.71	6.96	10.18	0.00	-58.49	-13.00	45.49	V
6892.03	-63.11	7.77	11.47	0.00	-59.41	-13.00	46.41	H
8662.97	-60.41	8.41	13.03	0.00	-55.79	-13.00	42.79	V
10395.94	-53.20	9.79	13.06	0.00	-49.93	-13.00	36.93	H
12129.38	-50.14	10.26	13.05	0.00	-47.35	-13.00	34.35	H
1401.00	-55.47	3.24	4.99	2.15	-55.87	-13.00	42.87	V
2132.50	-34.28	4.22	5.00	2.15	-35.65	-13.00	22.65	V
2845.00	-44.72	4.96	6.72	2.15	-45.11	-13.00	32.11	H
3523.13	-65.21	5.56	8.23	2.15	-64.69	-13.00	51.69	H
4245.94	-63.53	6.24	9.15	2.15	-62.77	-13.00	49.77	V
4953.75	-60.81	6.68	9.85	2.15	-59.79	-13.00	46.79	H

CA_4A_12A, CH20375_CH23155,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3505.31	-64.51	5.53	8.21	0.00	-61.83	-13.00	48.83	H
5257.97	-62.02	7.00	10.26	0.00	-58.76	-13.00	45.76	V
7011.09	-62.01	8.28	11.61	0.00	-58.68	-13.00	45.68	H
8763.28	-59.01	8.55	13.05	0.00	-54.51	-13.00	41.51	H

10515.94	-51.86	9.59	13.10	0.00	-48.35	-13.00	35.35	V
12269.06	-52.10	10.01	13.11	0.00	-49.00	-13.00	36.00	V
1442.50	-55.30	3.30	5.20	2.15	-55.55	-13.00	42.55	H
2153.00	-35.25	4.25	5.06	2.15	-36.59	-13.00	23.59	V
2875.50	-44.22	4.97	6.78	2.15	-44.56	-13.00	31.56	H
3588.28	-64.44	6.22	8.32	2.15	-64.49	-13.00	51.49	V
4281.56	-62.97	6.21	9.18	2.15	-62.15	-13.00	49.15	H
4995.47	-59.09	6.61	9.90	2.15	-57.95	-13.00	44.95	V

CA_5A_30A, CH20450_CH27685,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-53.34	3.56	5.25	2.15	-53.80	-13.00	40.80	H
2460.50	-46.28	4.58	5.98	2.15	-47.03	-13.00	34.03	V
3292.50	-66.23	5.29	7.70	2.15	-65.97	-13.00	52.97	H
4125.47	-64.21	6.04	9.03	2.15	-63.37	-13.00	50.37	V
4937.81	-63.29	6.71	9.84	2.15	-62.31	-13.00	49.31	H
5786.25	-62.71	7.21	10.54	2.15	-61.53	-13.00	48.53	H
4615.31	-58.63	6.45	9.52	0.00	-55.56	-40.00	15.56	H
6922.97	-61.88	7.72	11.51	0.00	-58.09	-40.00	18.09	V
9230.63	-49.44	9.00	13.24	0.00	-45.20	-40.00	5.20	V
11538.28	-52.34	9.81	13.09	0.00	-49.06	-40.00	9.06	H
13845.94	-55.26	10.70	14.41	0.00	-51.55	-40.00	11.55	V
16165.31	-54.80	11.77	13.67	0.00	-52.90	-40.00	12.90	H

CA_5A_30A, CH20525_CH27710,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1687.50	-53.19	3.59	5.16	2.15	-53.77	-13.00	40.77	H
2500.00	-46.71	4.62	6.10	2.15	-47.38	-13.00	34.38	H
3345.94	-60.37	5.31	7.83	2.15	-60.00	-13.00	47.00	H
4182.66	-47.24	6.17	9.08	2.15	-46.48	-13.00	33.48	V
5019.38	-42.54	6.57	9.93	2.15	-41.33	-13.00	28.33	H
5856.09	-42.73	7.25	10.53	2.15	-41.60	-13.00	28.60	V
4620.00	-57.48	6.45	9.52	0.00	-54.41	-40.00	14.41	H
6930.00	-61.63	7.76	11.52	0.00	-57.87	-40.00	17.87	V
9240.47	-49.17	9.02	13.24	0.00	-44.95	-40.00	4.95	H
11550.94	-49.77	9.81	13.09	0.00	-46.49	-40.00	6.49	V
13861.41	-56.50	10.73	14.42	0.00	-52.81	-40.00	12.81	H
16171.41	-54.27	11.77	13.67	0.00	-52.37	-40.00	12.37	V

CA_5A_30A, CH20600_CH27735,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1694.00	-52.75	3.60	5.15	2.15	-53.35	-13.00	40.35	V
2556.00	-46.47	4.67	6.20	2.15	-47.09	-13.00	34.09	H
3402.19	-66.67	5.36	7.97	2.15	-66.21	-13.00	53.21	V
4228.59	-64.15	6.26	9.13	2.15	-63.43	-13.00	50.43	H
5086.88	-64.47	6.74	10.02	2.15	-63.34	-13.00	50.34	V

5927.81	-62.62	7.47	10.51	2.15	-61.73	-13.00	48.73	V
4625.16	-56.86	6.44	9.53	0.00	-53.77	-40.00	13.77	H
6937.97	-61.37	7.82	11.53	0.00	-57.66	-40.00	17.66	V
9250.78	-51.26	9.04	13.25	0.00	-47.05	-40.00	7.05	H
11563.59	-48.40	9.80	13.09	0.00	-45.11	-40.00	5.11	V
13875.94	-55.35	10.76	14.43	0.00	-51.68	-40.00	11.68	H
16188.75	-51.83	11.74	13.66	0.00	-49.91	-40.00	9.91	H

CA_12A_66A, CH23035_CH132022,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1437.50	-55.02	3.29	5.18	2.15	-55.28	-13.00	42.28	H
2134.00	-48.58	4.23	5.00	2.15	-49.96	-13.00	36.96	V
2876.00	-44.24	4.97	6.78	2.15	-44.58	-13.00	31.58	H
3589.69	-64.49	6.23	8.33	2.15	-64.54	-13.00	51.54	V
4296.09	-63.08	6.20	9.20	2.15	-62.23	-13.00	49.23	V
5017.50	-63.90	6.57	9.92	2.15	-62.70	-13.00	49.70	V
3610.31	-65.79	6.44	8.35	0.00	-63.88	-13.00	50.88	H
5355.47	-66.19	6.92	10.40	0.00	-62.71	-13.00	49.71	H
7081.88	-62.52	8.18	11.70	0.00	-59.00	-13.00	46.00	V
8882.34	-60.67	8.81	13.08	0.00	-56.40	-13.00	43.40	V
10704.38	-59.60	9.32	13.14	0.00	-55.78	-13.00	42.78	V
12504.84	-58.01	10.19	13.20	0.00	-55.00	-13.00	42.00	H

CA_12A_66A, CH23095_CH132322,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1424.50	-55.44	3.27	5.11	2.15	-55.75	-13.00	42.75	H
2131.50	-48.70	4.22	4.99	2.15	-50.08	-13.00	37.08	V
2829.50	-44.71	4.95	6.69	2.15	-45.12	-13.00	32.12	H
3523.59	-65.57	5.56	8.23	2.15	-65.05	-13.00	52.05	V
4260.94	-63.95	6.23	9.16	2.15	-63.17	-13.00	50.17	V
4953.28	-61.55	6.68	9.85	2.15	-60.53	-13.00	47.53	V
3489.84	-66.90	5.50	8.18	0.00	-64.22	-13.00	51.22	V
5235.00	-48.73	7.00	10.23	0.00	-45.50	-13.00	32.50	H
7025.16	-62.06	8.26	11.63	0.00	-58.69	-13.00	45.69	V
8725.31	-59.54	8.44	13.05	0.00	-54.93	-13.00	41.93	H
10470.47	-50.75	9.70	13.09	0.00	-47.36	-13.00	34.36	V
12215.63	-53.25	10.05	13.09	0.00	-50.21	-13.00	37.21	H

CA_12A_66A, CH23155_CH132622,QPSK

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1435.50	-55.20	3.28	5.16	2.15	-55.47	-13.00	42.47	H
2134.00	-48.61	4.23	5.00	2.15	-49.99	-13.00	36.99	H
2861.50	-44.25	4.96	6.75	2.15	-44.61	-13.00	31.61	H
3556.88	-65.67	5.89	8.28	2.15	-65.43	-13.00	52.43	V
4286.25	-63.41	6.21	9.19	2.15	-62.58	-13.00	49.58	V

4995.47	-62.29	6.61	9.90	2.15	-61.15	-13.00	48.15	H
3514.22	-67.02	5.55	8.22	0.00	-64.35	-13.00	51.35	V
5325.00	-50.84	6.99	10.36	0.00	-47.47	-13.00	34.47	H
7053.28	-62.00	8.22	11.66	0.00	-58.56	-13.00	45.56	V
8875.31	-55.46	8.80	13.08	0.00	-51.18	-13.00	38.18	H
10650.47	-49.55	9.29	13.13	0.00	-45.71	-13.00	32.71	H
12425.63	-50.53	10.37	13.17	0.00	-47.73	-13.00	34.73	V

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

Note: Expanded measurement uncertainty is U = 3.44 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 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	2500.577	2569.359		
50				-0.90	0.0004
40				21.43	0.0085
30				-0.20	0.0001
10				-0.33	0.0001
0				0.16	0.0001
-10				1.65	0.0007
-20				21.21	0.0084
-30				16.25	0.0064

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2500.577	2569.359	-0.93	0.0004
4.4				3.48	0.0014

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				2.50	0.0035
40				3.30	0.0047
30				2.95	0.0042
10				3.48	0.0049
0				3.66	0.0052
-10				2.66	0.0038
-20				2.43	0.0034
-30				3.49	0.0049

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	699.481	715.519	4.22	0.0060
4.4				2.90	0.0041

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	786.535		
50				-2.09	0.0027
40				-1.39	0.0018
30				10.93	0.0140
10				2.03	0.0026
0				9.21	0.0118
-10				9.41	0.0120
-20				2.93	0.0037
-30				1.46	0.0019

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	777.465	786.535	8.04	0.0103
4.4				1.10	0.0014

LTE Band 14, 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	788.476	797.524		
50				1.76	0.0022
40				1.16	0.0015
30				2.20	0.0028
10				-0.84	0.0011
0				-0.23	0.0003
-10				-3.82	0.0048
-20				8.18	0.0103
-30				-0.66	0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	788.476	797.524	1.82	0.0023
4.4				9.38	0.0118

LTE Band 25, 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	1914.135		
50				17.34	0.0092
40				-4.56	0.0024
30				-0.40	0.0002
10				0.70	0.0004
0				18.11	0.0096
-10				16.34	0.0087
-20				-21.62	0.0115
-30				-1.75	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	1850.833	1914.135	16.71	0.0089
4.4				17.58	0.0093

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	814.380	823.615		
50				-0.09	0.0001
40				-1.29	0.0016
30				-0.54	0.0007
10				-1.57	0.0019
0				-1.02	0.0012
-10				-1.13	0.0014
-20				-2.36	0.0029
-30				-1.19	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	814.380	823.615	0.46	0.0006
4.4				-2.86	0.0035

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	824.529	848.447		
50				-0.64	0.0008
40				-0.90	0.0011
30				-3.00	0.0036
10				-0.86	0.0010
0				-0.40	0.0005
-10				0.39	0.0005
-20				0.64	0.0008
-30				0.03	0.0000

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	824.529	848.447	-0.31	0.0004
4.4				2.15	0.0026

LTE Band 30, 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	2305.417	2314.583		
50				-19.18	0.0083
40				-19.21	0.0083
30				-3.09	0.0013
10				-21.72	0.0094
0				-21.62	0.0094
-10				-21.46	0.0093
-20				-4.42	0.0019
-30				-19.33	0.0084

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2305.417	2314.583	-18.75	0.0081
4.4				-0.44	0.0002

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	2496.321	2689.487		
50				-1.07	0.0004
40				-3.91	0.0015
30				1.50	0.0006
10				-15.92	0.0061
0				-3.38	0.0013
-10				-3.69	0.0014
-20				-1.02	0.0004
-30				-1.32	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2496.321	2689.487	-0.14	0.0001
4.4				-3.13	0.0012

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	1710.833	1779.167		
50				2.27	0.0013
40				-20.30	0.0116
30				-15.18	0.0087
10				-16.52	0.0095
0				0.06	0.0000
-10				-14.08	0.0081
-20				0.70	0.0004
-30				-13.62	0.0078

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	1710.833	1779.167	-15.36	0.0088
4.4				1.13	0.0006

LTE Band 71, 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	663.994	697.006		
50				-2.79	0.0041
40				-0.86	0.0013
30				1.27	0.0019
10				-0.14	0.0002
0				0.01	0.0000
-10				0.41	0.0006
-20				-0.29	0.0004
-30				-0.29	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	F _L (MHz)	F _H (MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	663.994	697.006	-2.86	0.0042
4.4				0.74	0.0011

Note: Expanded measurement uncertainty is U = 0.01 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.

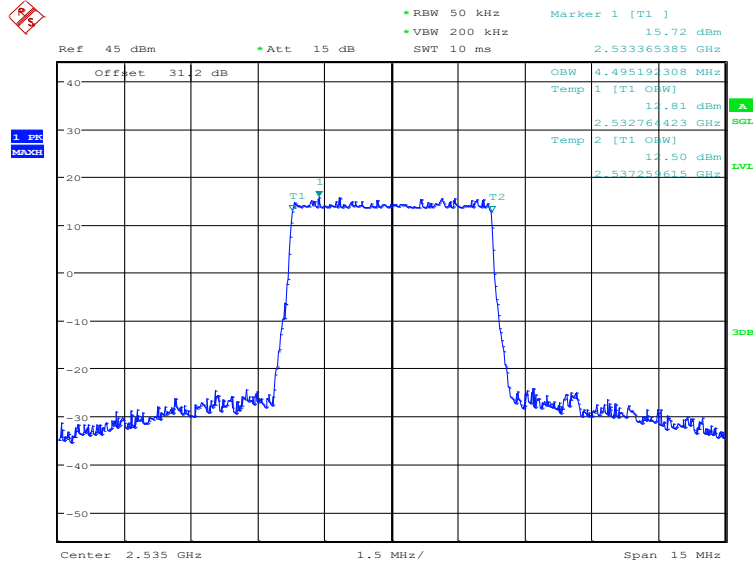
The measurement method is from ANSI C63.26:

- 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 $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) Set the detection mode to peak, and the trace mode to max-hold.

LTE band 7, 5MHz (99%)

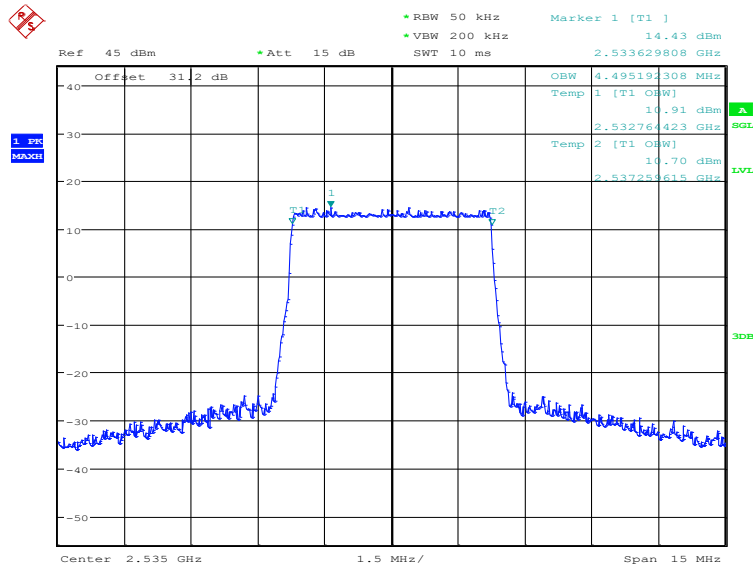
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 9.OCT.2024 14:14:27

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

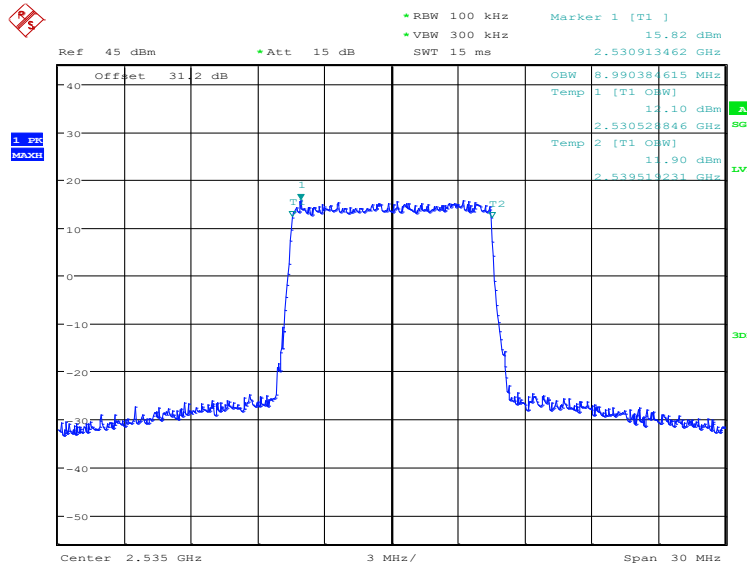


Date: 9.OCT.2024 14:15:07

LTE band 7, 10MHz (99%)

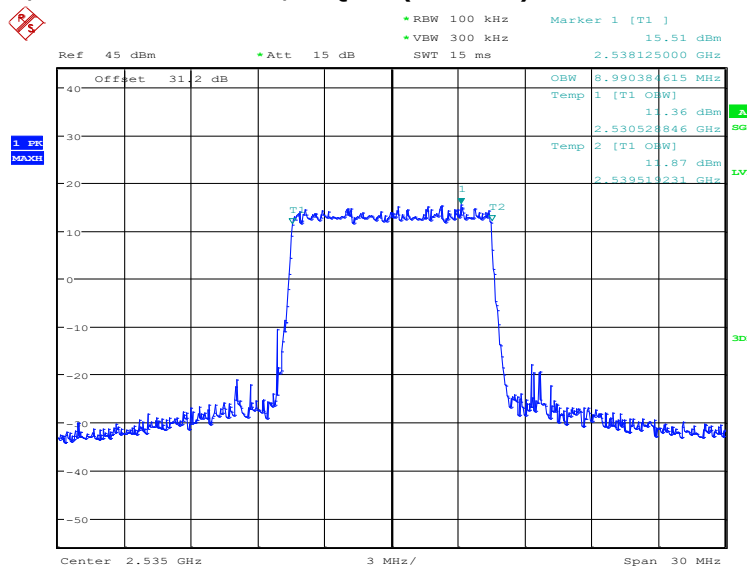
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	8990.38	8990.38

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



Date: 9.OCT.2024 14:15:49

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

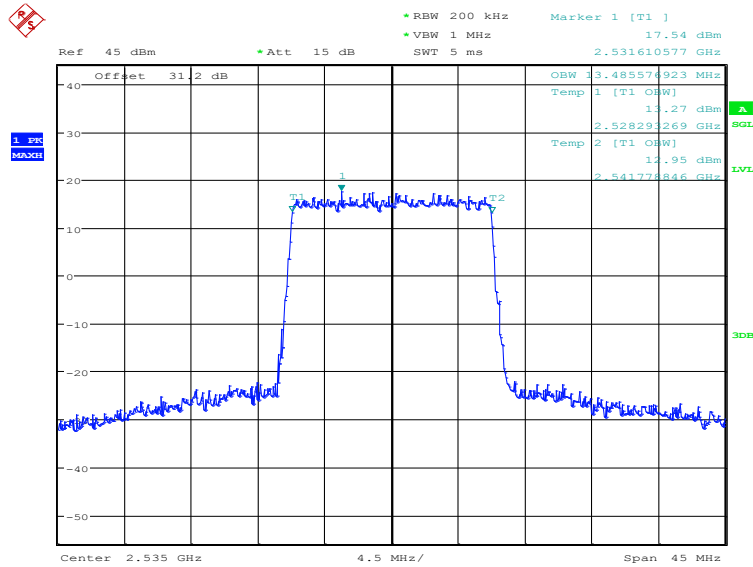


Date: 9.OCT.2024 14:16:29

LTE band 7, 15MHz (99%)

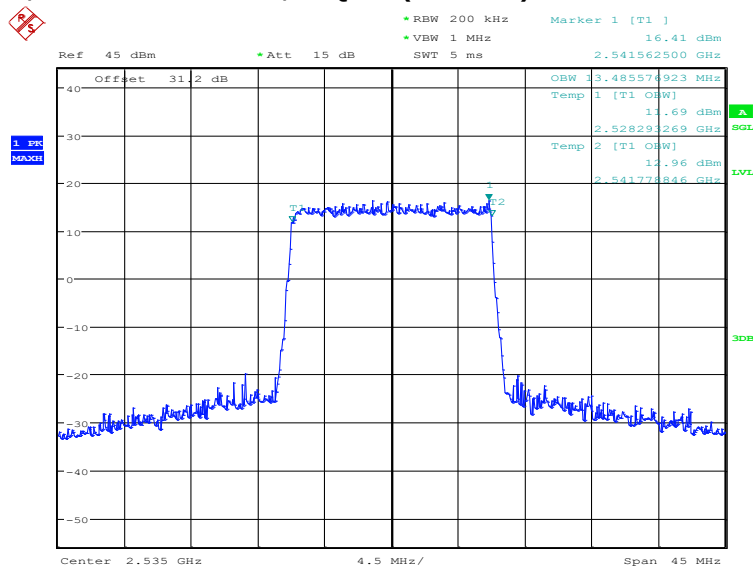
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 9.OCT.2024 14:17:11

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

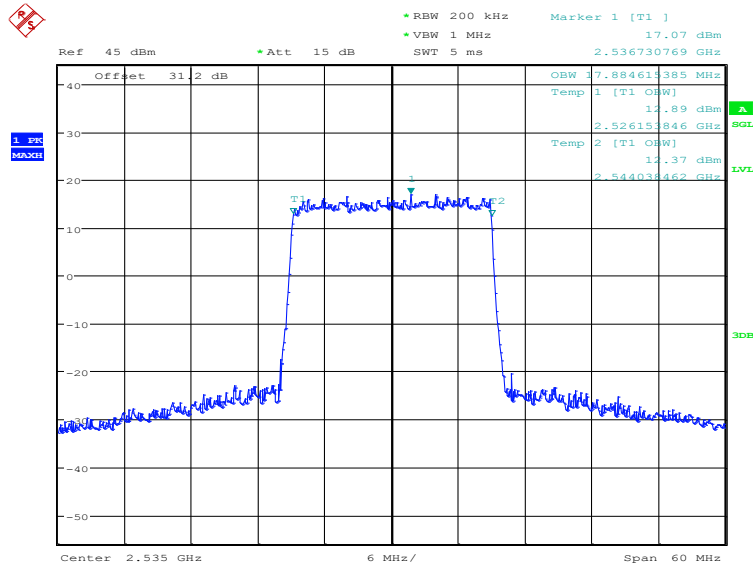


Date: 9.OCT.2024 14:17:51

LTE band 7, 20MHz (99%)

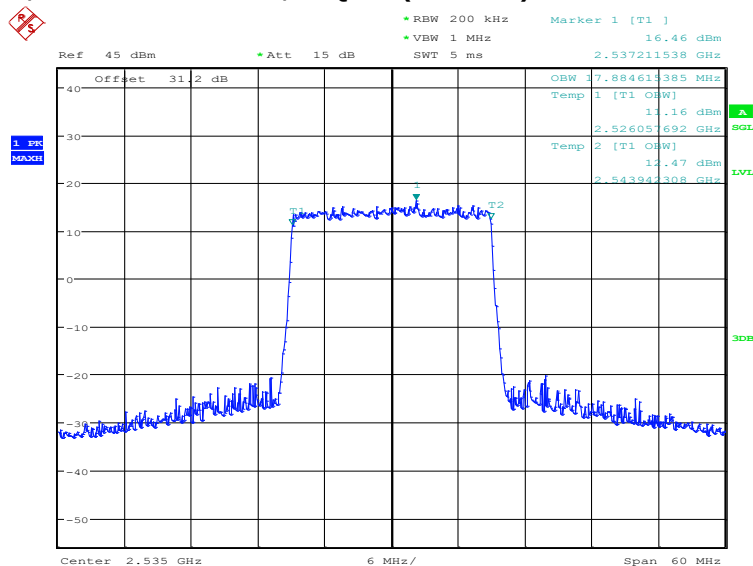
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2535.0	QPSK	16QAM
	17884.62	17884.62

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



Date: 9.OCT.2024 14:18:33

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

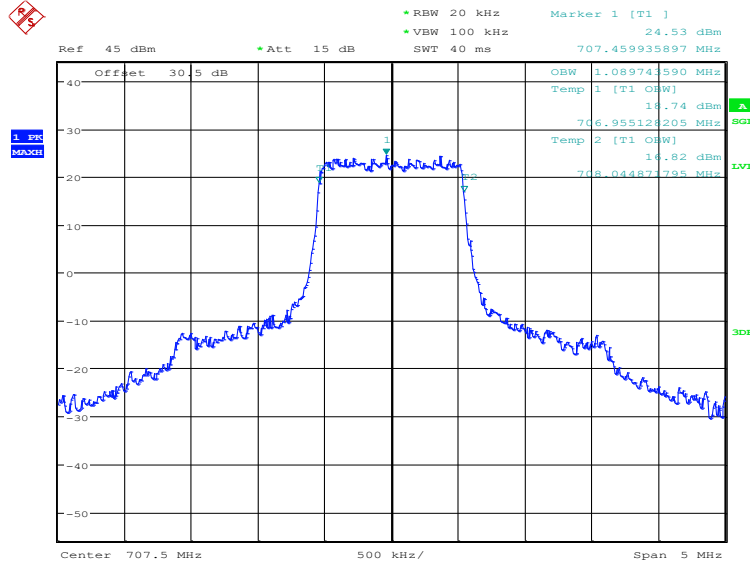


Date: 9.OCT.2024 14:19:13

LTE band 12, 1.4MHz (99%)

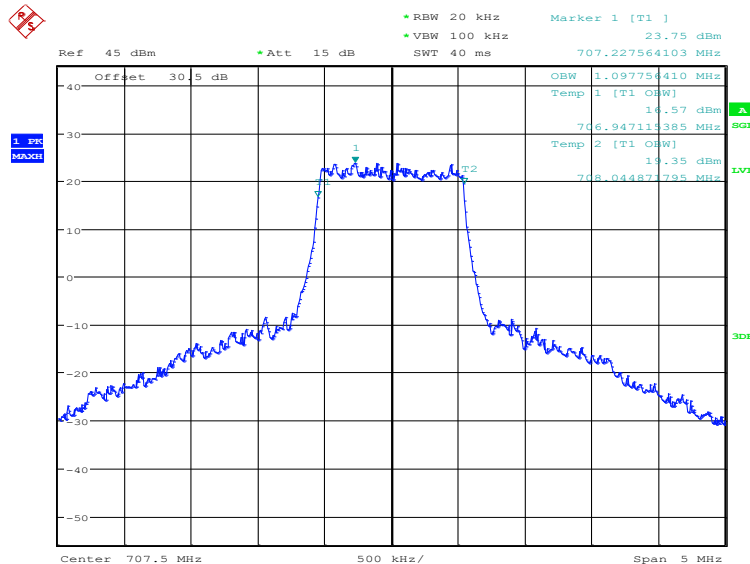
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	1089.74	1097.76

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



Date: 9.OCT.2024 10:33:39

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

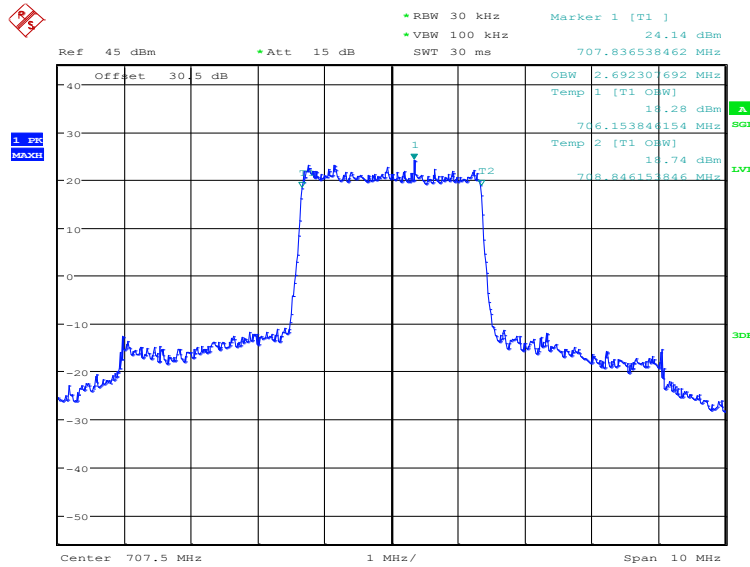


Date: 9.OCT.2024 10:34:19

LTE band 12, 3MHz (99%)

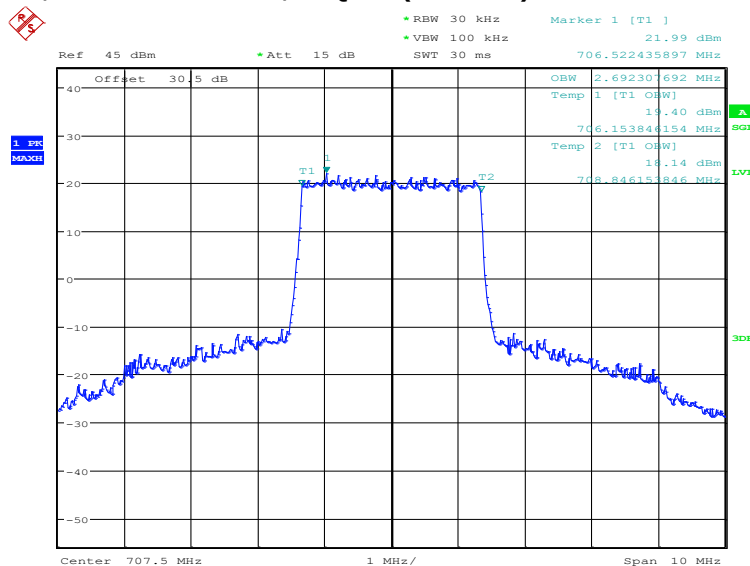
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 9.OCT.2024 10:35:02

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

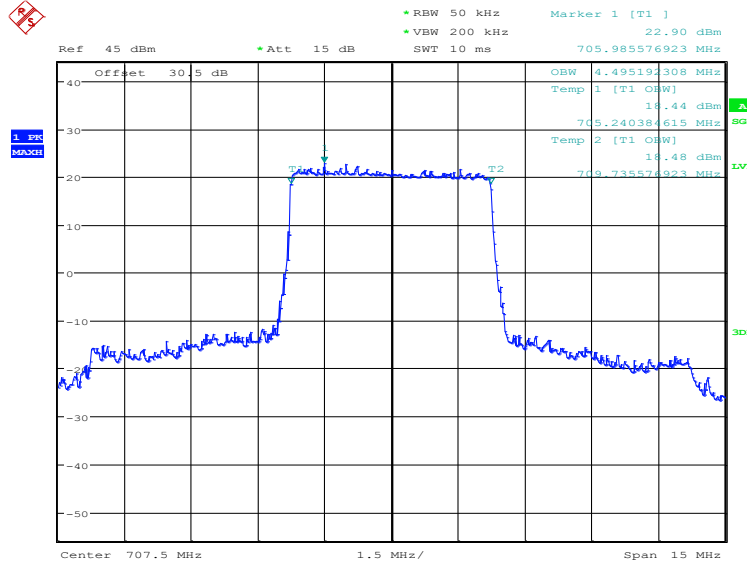


Date: 9.OCT.2024 10:35:42

LTE band 12, 5MHz (99%)

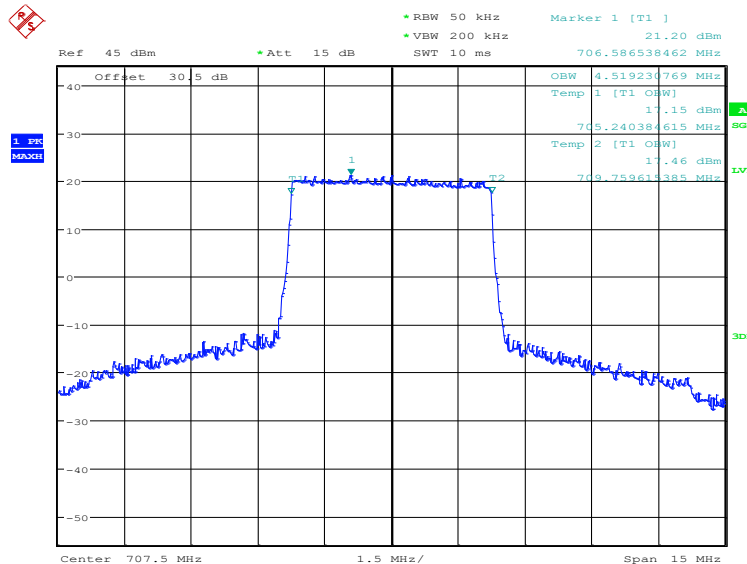
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	4495.19	4519.23

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



Date: 9.OCT.2024 10:36:24

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

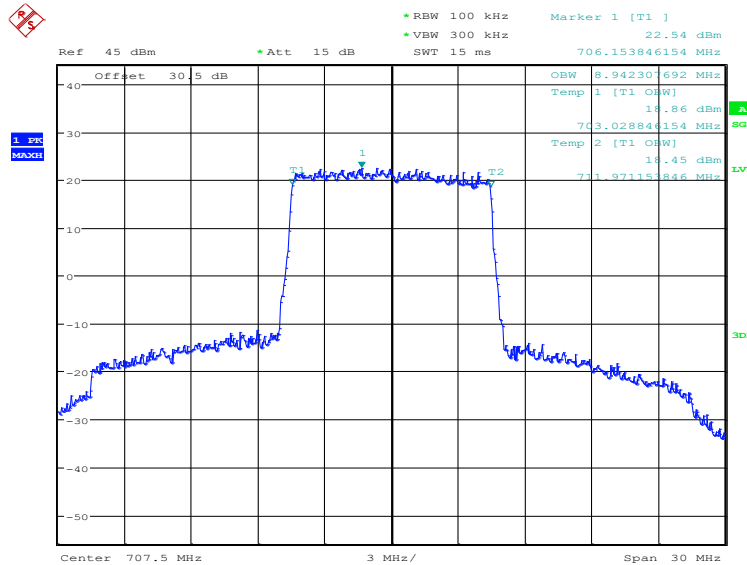


Date: 9.OCT.2024 10:37:04

LTE band 12, 10MHz (99%)

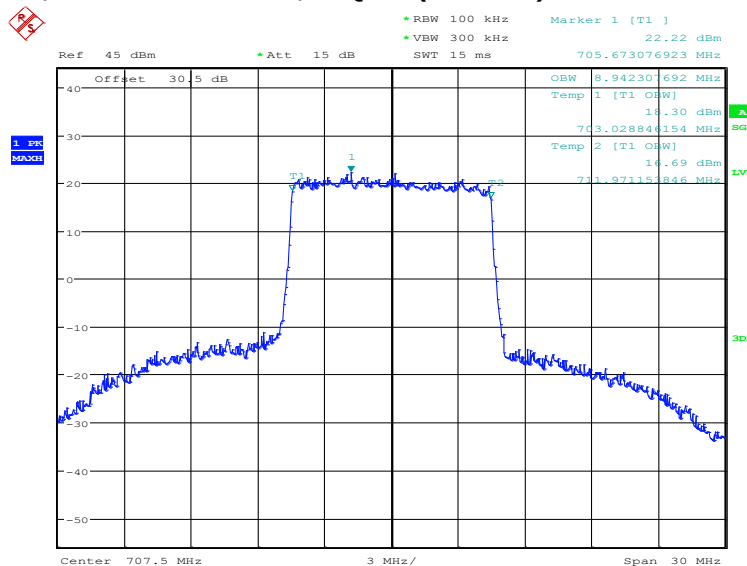
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
707.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 9.OCT.2024 10:37:46

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

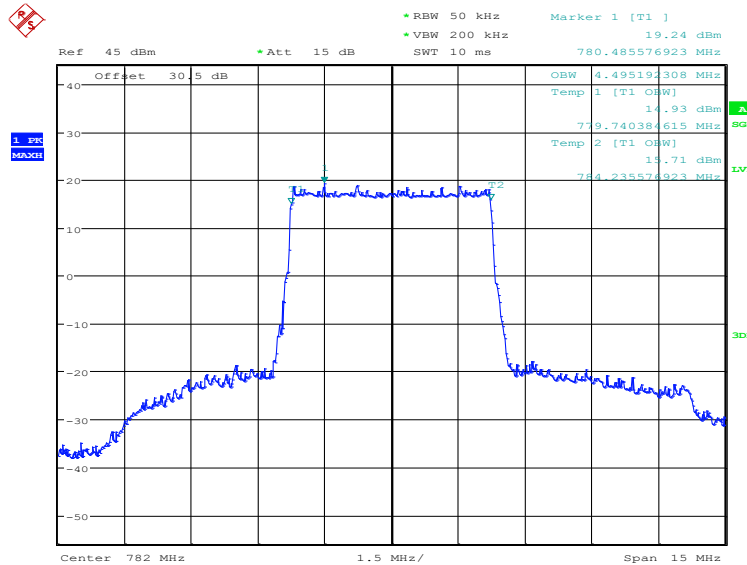


Date: 9.OCT.2024 10:38:26

LTE band 13, 5MHz (99%)

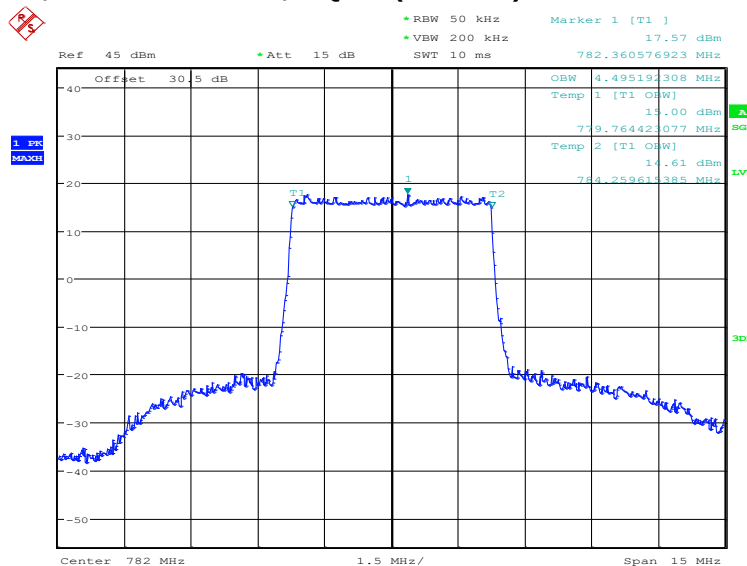
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 9.OCT.2024 10:39:10

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

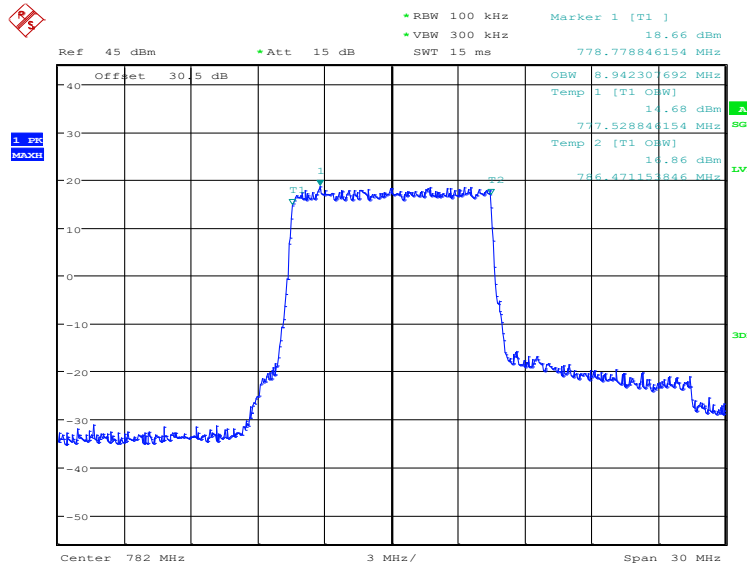


Date: 9.OCT.2024 10:39:50

LTE band 13, 10MHz (99%)

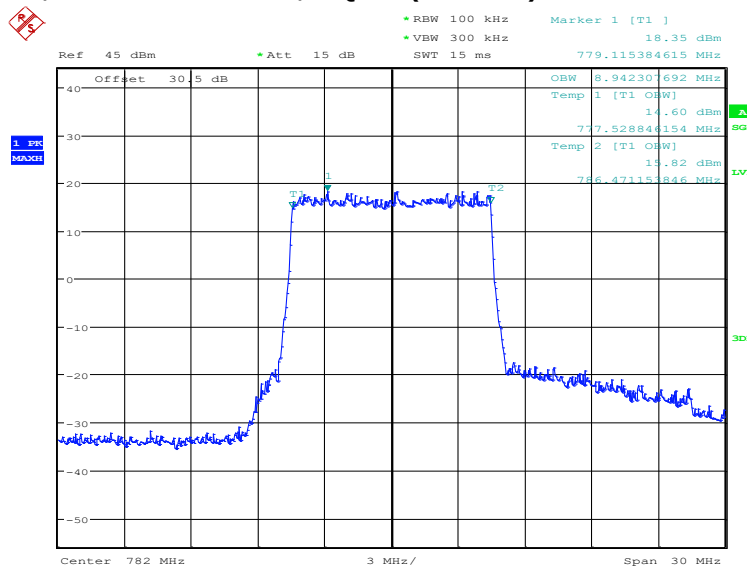
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
782.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 9.OCT.2024 10:40:32

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

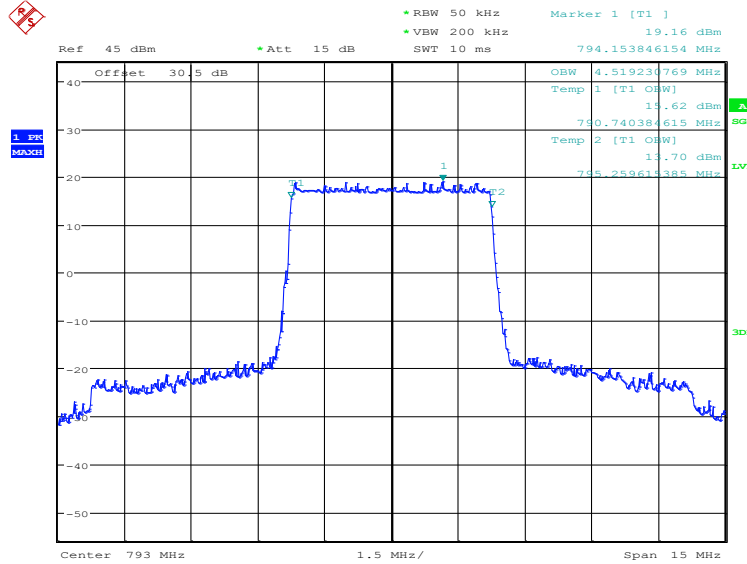


Date: 9.OCT.2024 10:41:12

LTE band 14, 5MHz (99%)

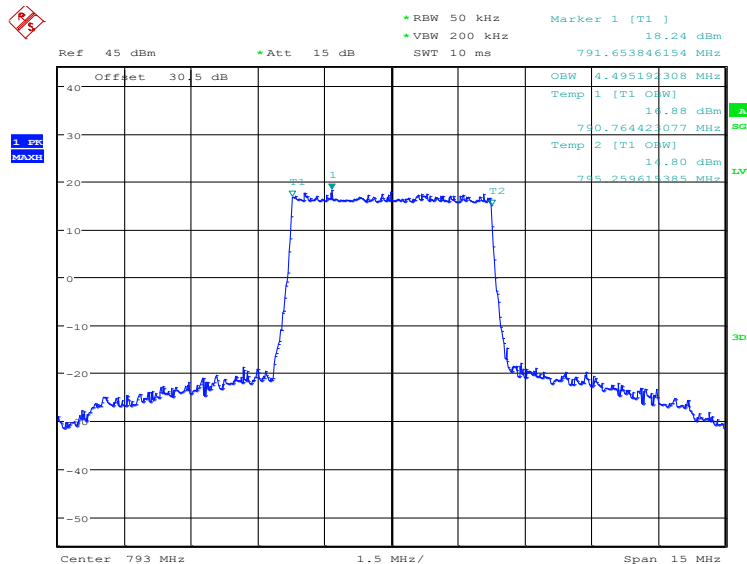
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
793.0	QPSK	16QAM
	4519.23	4495.19

LTE band 14, 5MHz Bandwidth, QPSK (99% BW)



Date: 9.OCT.2024 10:41:57

LTE band 14, 5MHz Bandwidth,16QAM (99% BW)

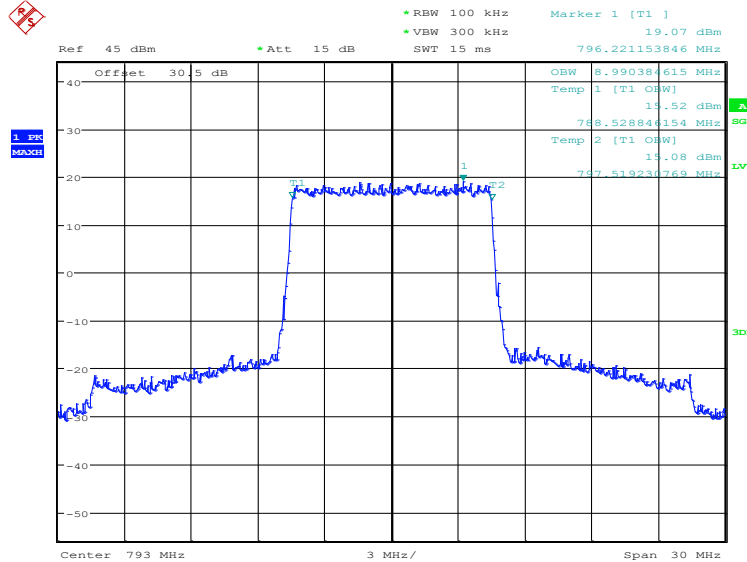


Date: 9.OCT.2024 10:42:37

LTE band 14, 10MHz (99%)

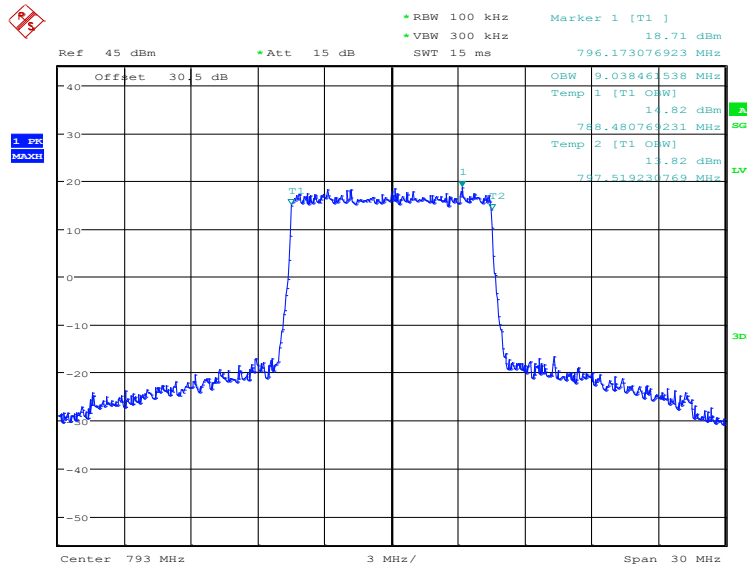
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
793.0	QPSK	16QAM
	8990.38	9038.46

LTE band 14, 10MHz Bandwidth, QPSK (99% BW)



Date: 9.OCT.2024 10:43:19

LTE band 14, 10MHz Bandwidth,16QAM (99% BW)

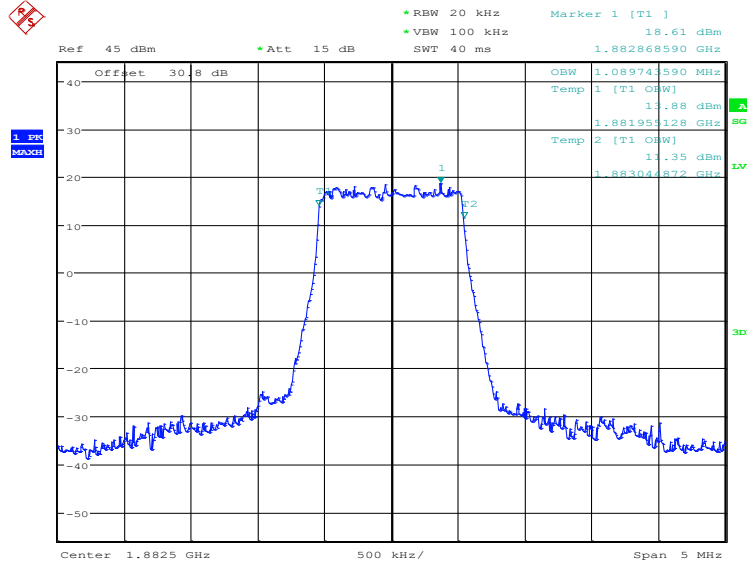


Date: 9.OCT.2024 10:43:59

LTE band 25, 1.4MHz (99%)

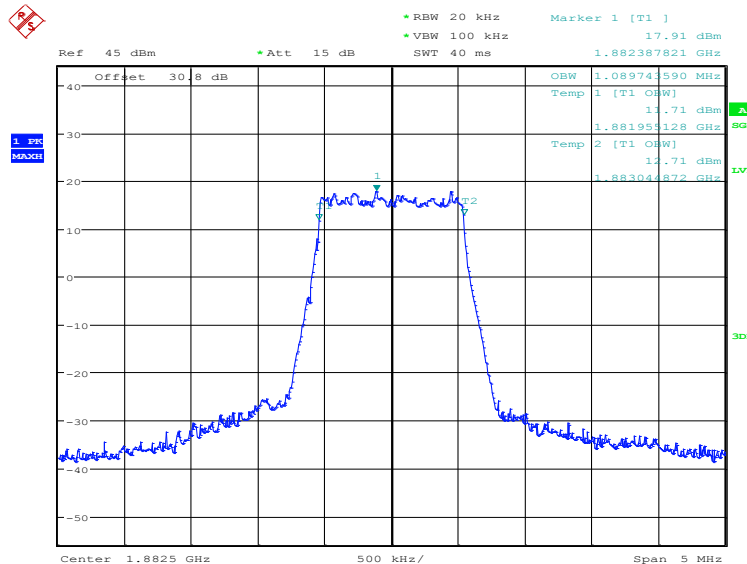
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	1089.74	1089.74

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



Date: 9.OCT.2024 09:08:40

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

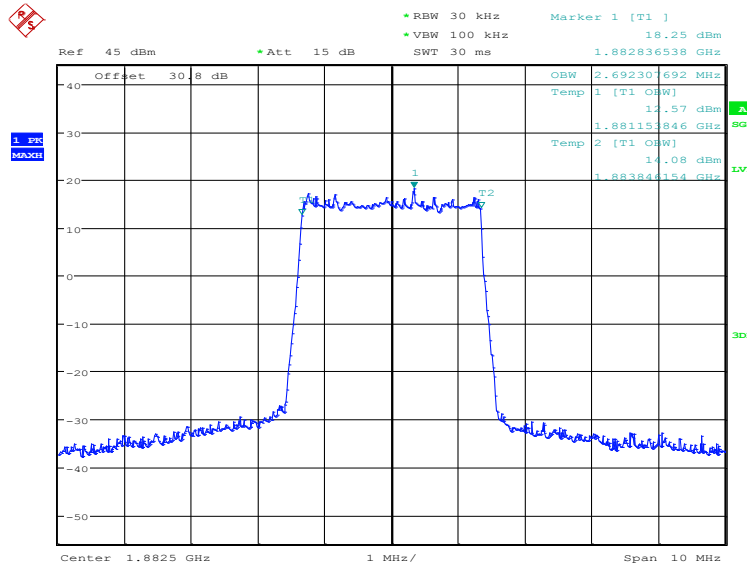


Date: 9.OCT.2024 09:09:20

LTE band 25, 3MHz (99%)

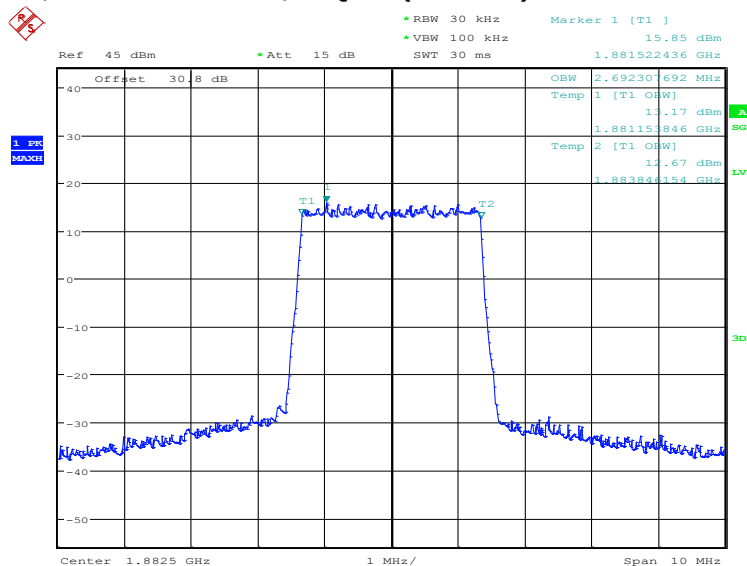
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	2692.31	2692.31

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



Date: 9.OCT.2024 09:10:02

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

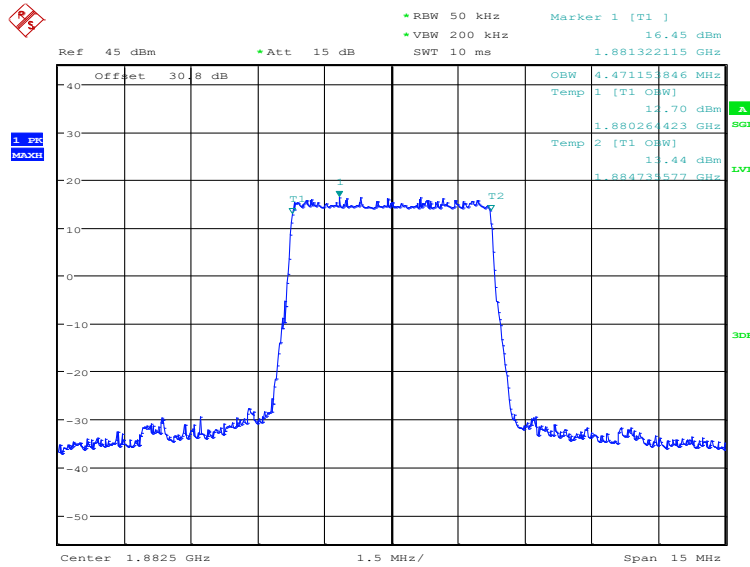


Date: 9.OCT.2024 09:10:42

LTE band 25, 5MHz (99%)

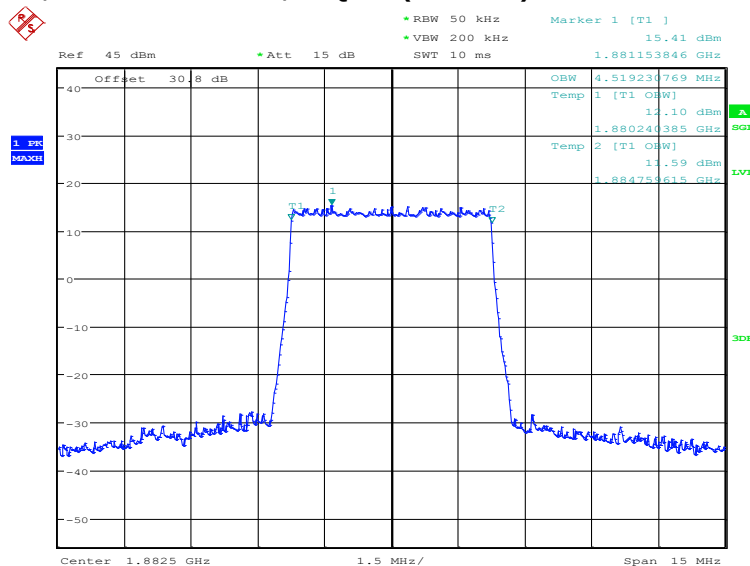
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 9.OCT.2024 09:11:24

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

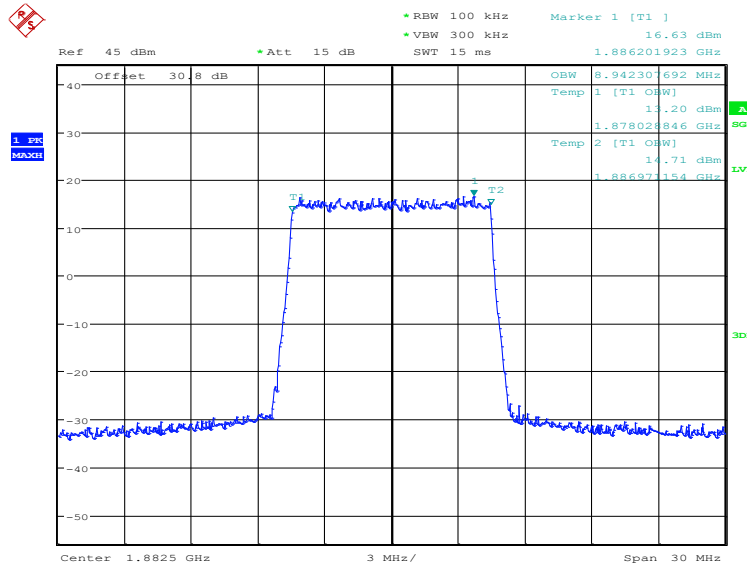


Date: 9.OCT.2024 09:12:04

LTE band 25, 10MHz (99%)

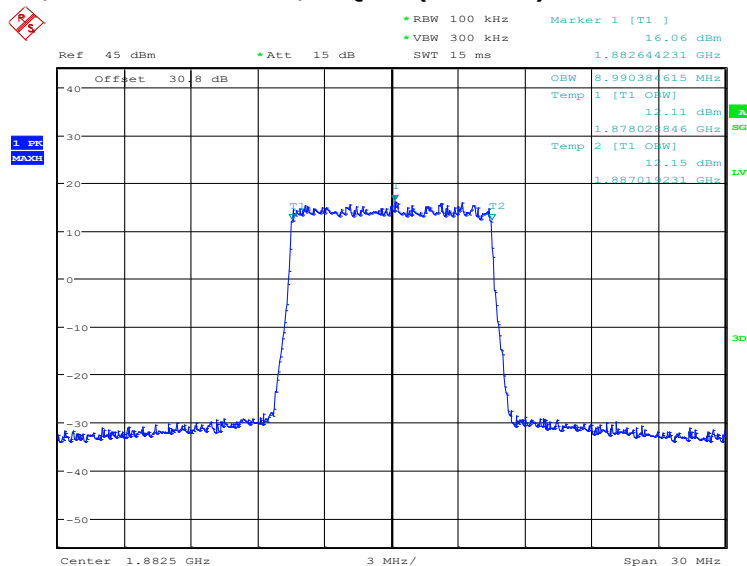
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	8942.31	8990.38

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



Date: 9.OCT.2024 09:12:46

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

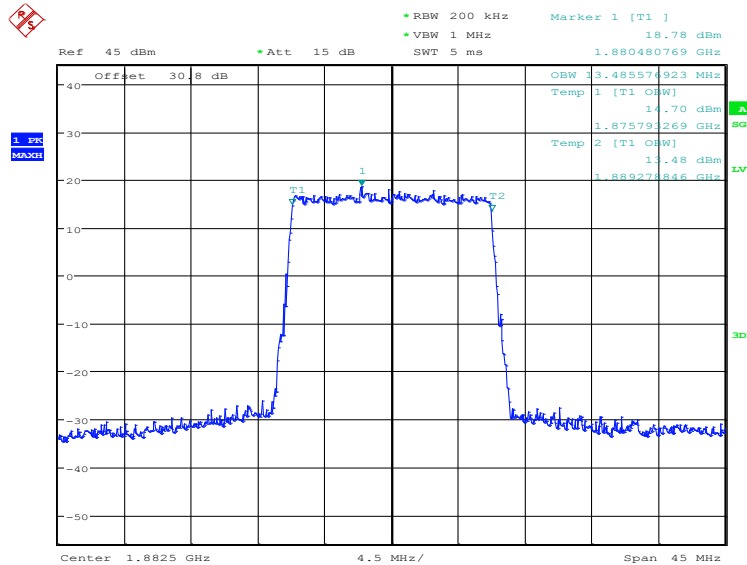


Date: 9.OCT.2024 09:13:26

LTE band 25, 15MHz (99%)

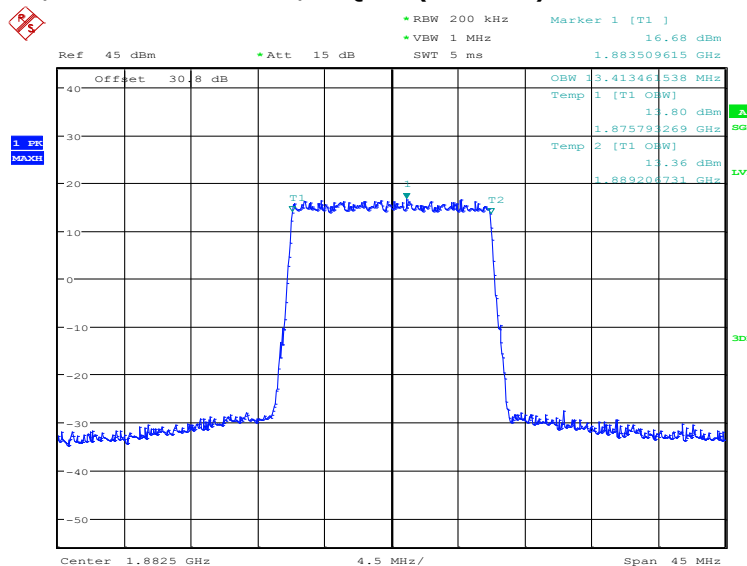
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	13485.58	13413.46

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



Date: 9.OCT.2024 09:14:08

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

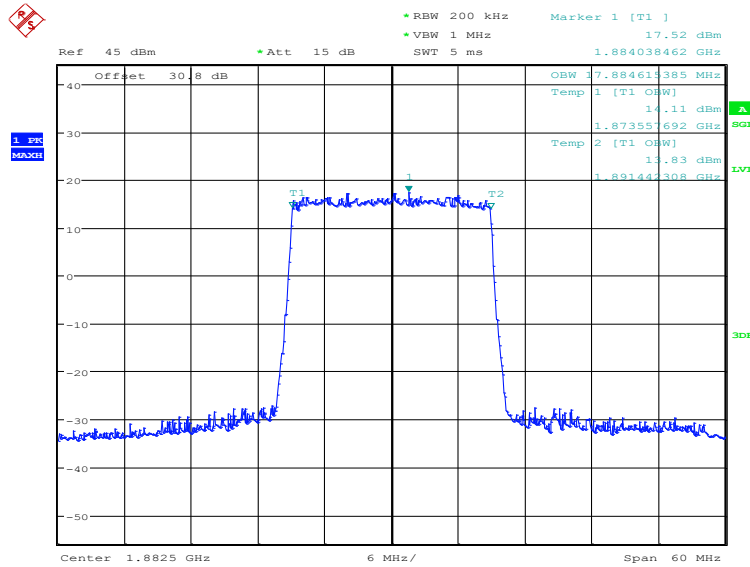


Date: 9.OCT.2024 09:14:48

LTE band 25, 20MHz (99%)

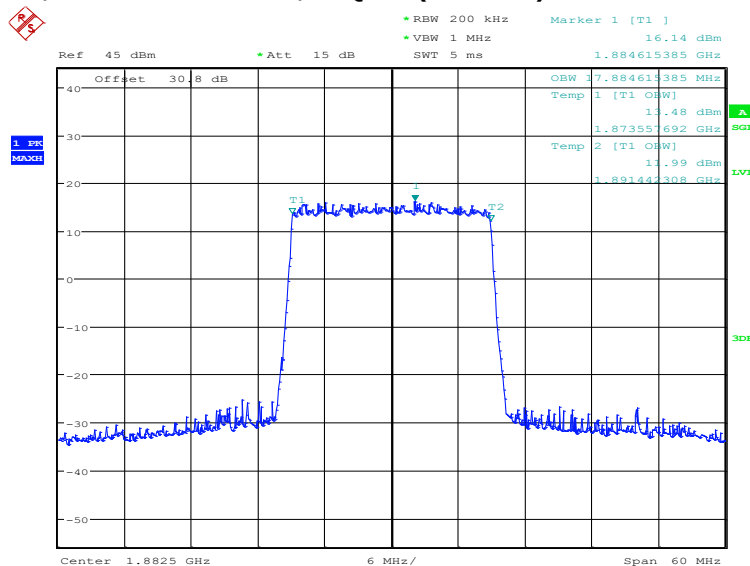
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1882.5	QPSK	16QAM
	17884.62	17884.62

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



Date: 9.OCT.2024 09:15:30

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

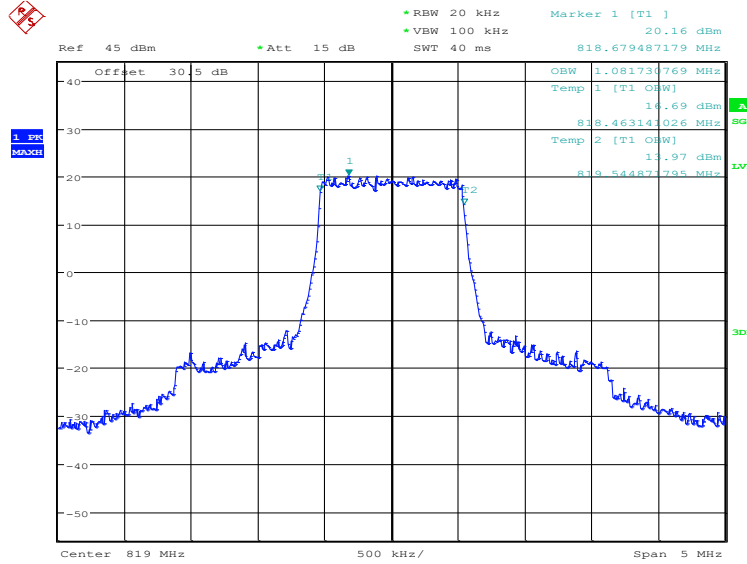


Date: 9.OCT.2024 09:16:10

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

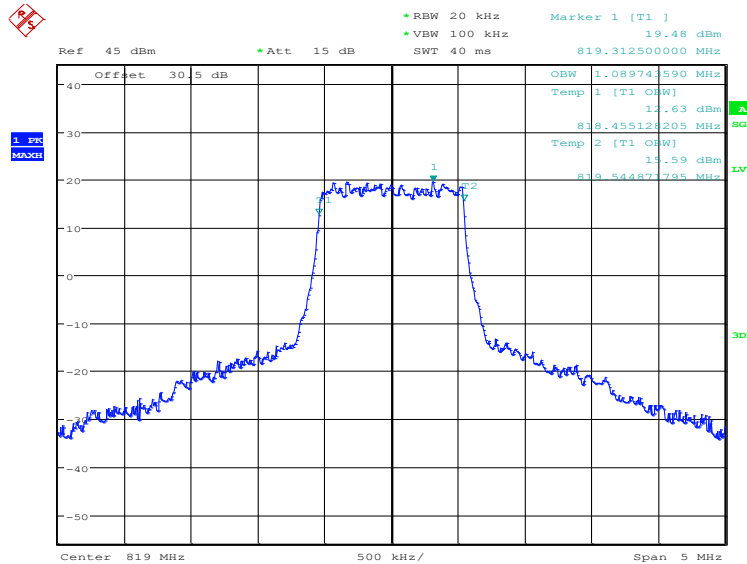
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	1081.73	1089.74

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



Date: 9.OCT.2024 10:52:17

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

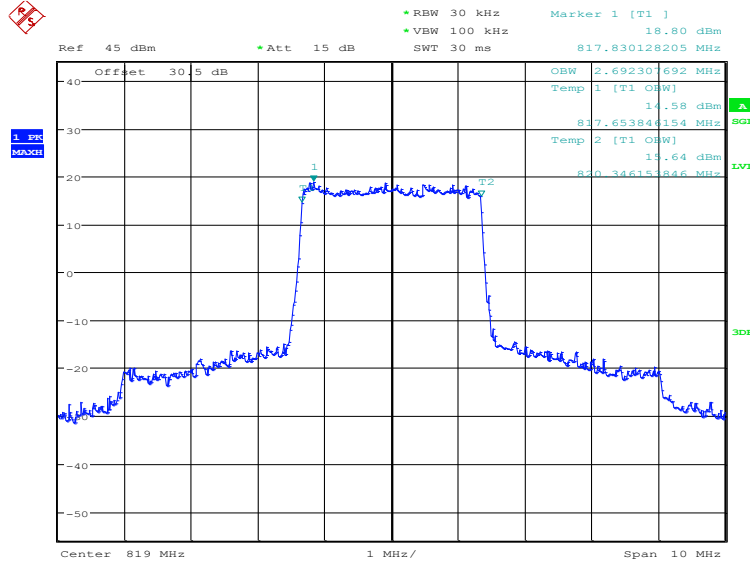


Date: 9.OCT.2024 10:52:57

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

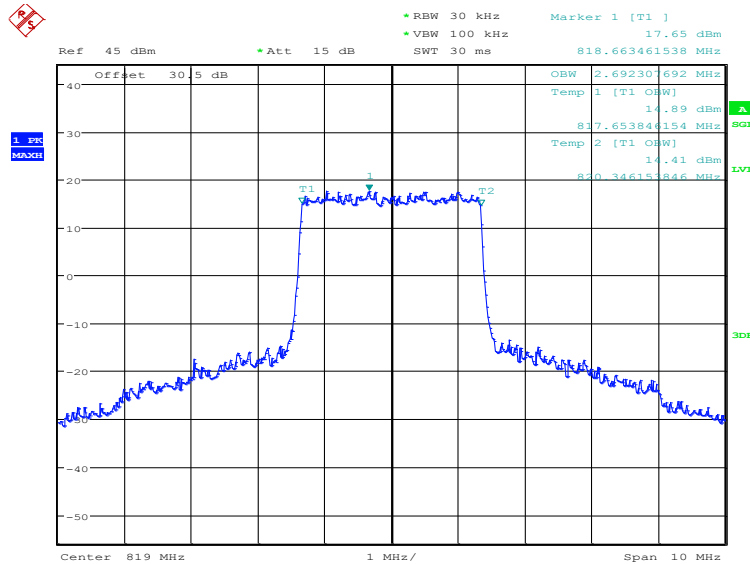
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 9.OCT.2024 10:53:39

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

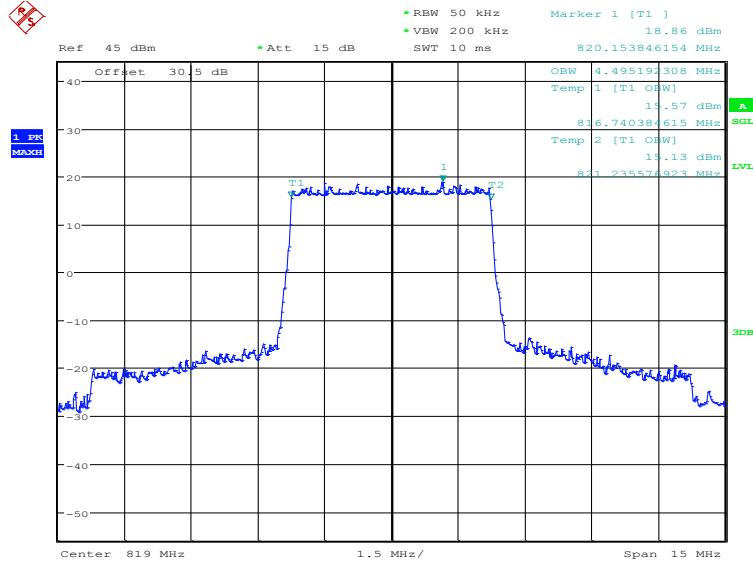


Date: 9.OCT.2024 10:54:19

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

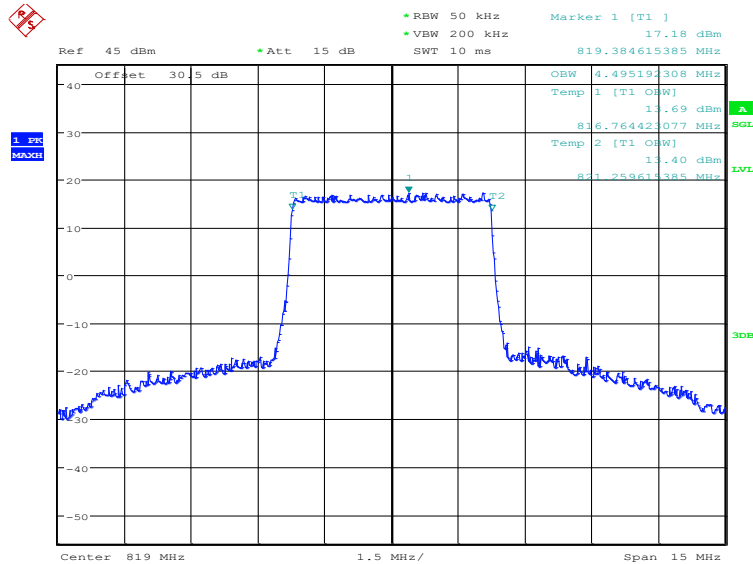
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 9.OCT.2024 10:55:01

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

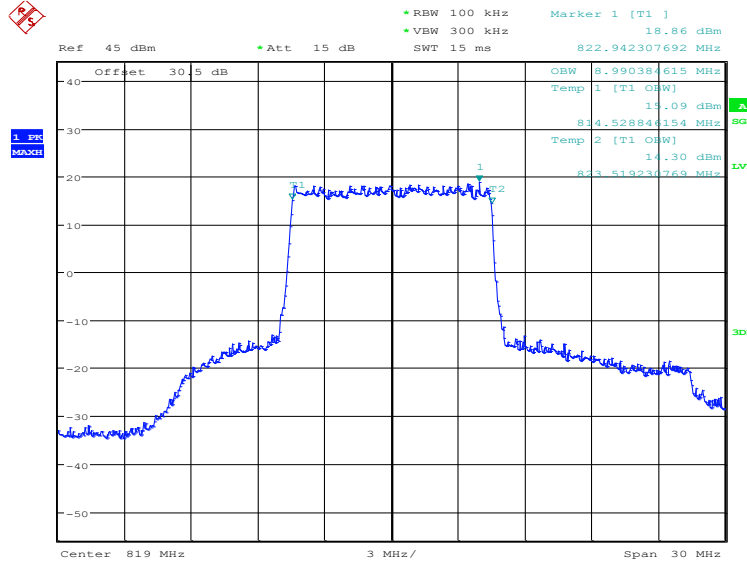


Date: 9.OCT.2024 10:55:42

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

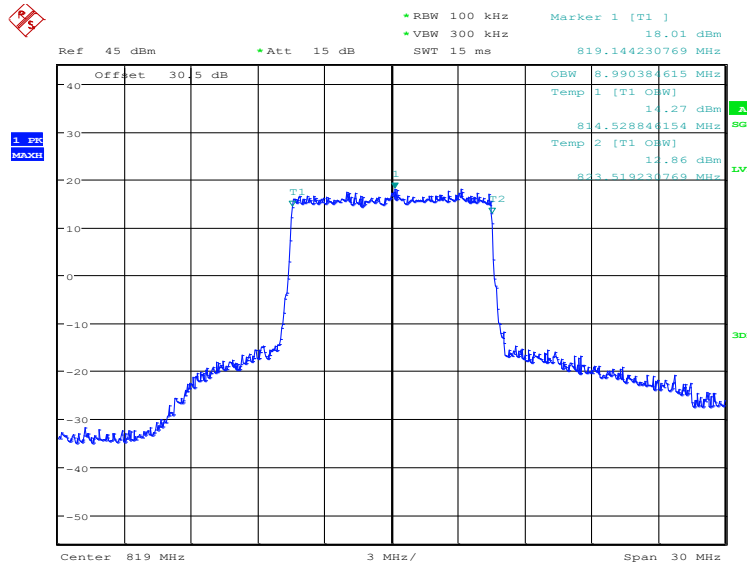
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
819.0	QPSK	16QAM
	8990.38	8990.38

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



Date: 9.OCT.2024 10:56:24

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

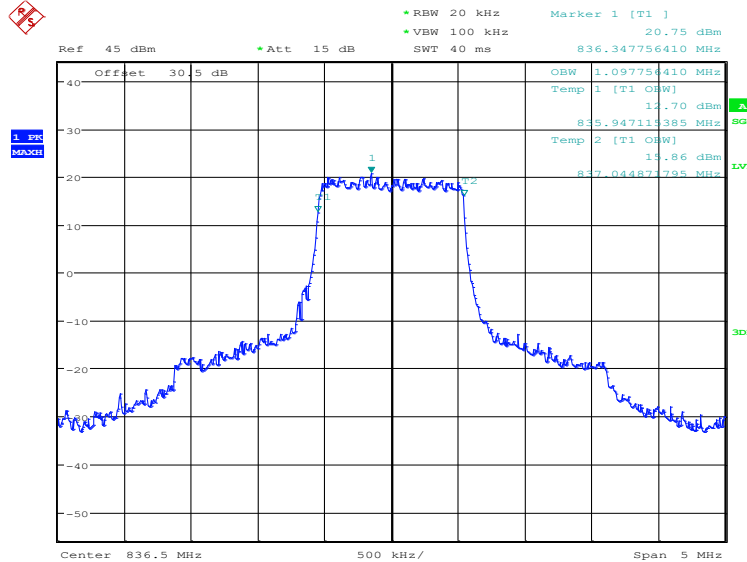


Date: 9.OCT.2024 10:57:04

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

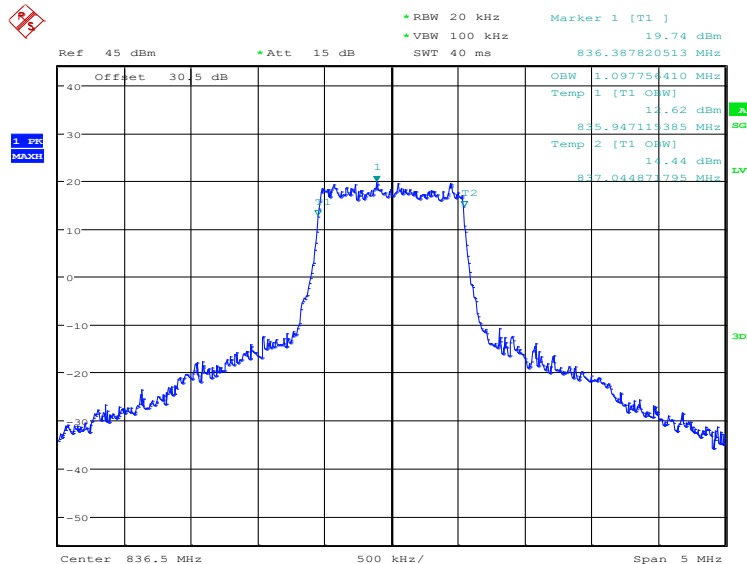
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	1097.76	1097.76

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



Date: 9.OCT.2024 10:44:44

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



Date: 9.OCT.2024 10:45:24

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

The screenshot displays a spectrum analyzer interface with a blue trace showing a signal. The x-axis represents frequency in MHz, ranging from 836.0 to 836.5. The y-axis represents power in dBm, ranging from -50 to -40. Two markers are present: Marker 1 (T1) at 836.153844 MHz and Marker 2 (T2) at 837.846154 MHz. The signal is a rectangular pulse with a flat top between the markers. The background is a grid. The top of the screen shows various settings: Ref 45 dBm, Att 15 dB, RBW 30 kHz, VBW 100 kHz, SWT 30 ms, and Marker 1 (T1). The bottom of the screen shows Center 836.5 MHz, 1 MHz/ (span), and Span 10 MHz.

Parameter	Value
Ref	45 dBm
Att	15 dB
RBW	30 kHz
VBW	100 kHz
SWT	30 ms
Marker 1 (T1)	836.153844 MHz
Marker 2 (T2)	837.846154 MHz
Center	836.5 MHz
Span	10 MHz

Date: 9.OCT.2024 10:46:06

* RBW 30 kHz
 * VBW 100 kHz
 SWT 30 ms

Ref 45 dBm
 * Att 15 dB

Marker 1 [T1]
 17.14 dBm
 835.698717949 MHz

Marker 2 [T2]
 13.80 dBm
 837.846153846 MHz

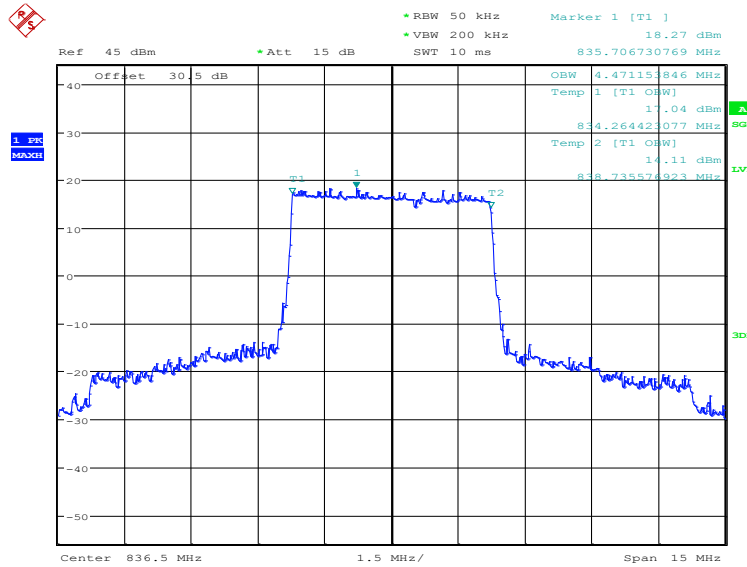
Center 836.5 MHz
 1 MHz/
 Span 10 MHz

Date: 9.OCT.2024 10:46:46

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

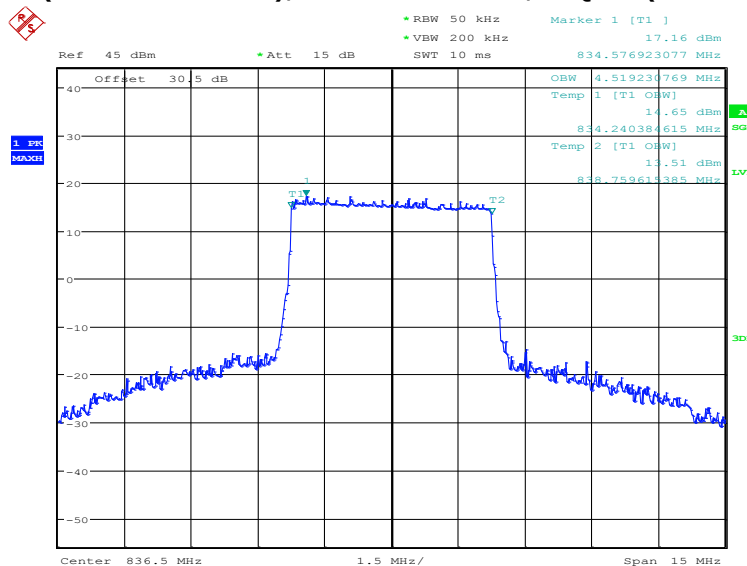
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 9.OCT.2024 10:47:29

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

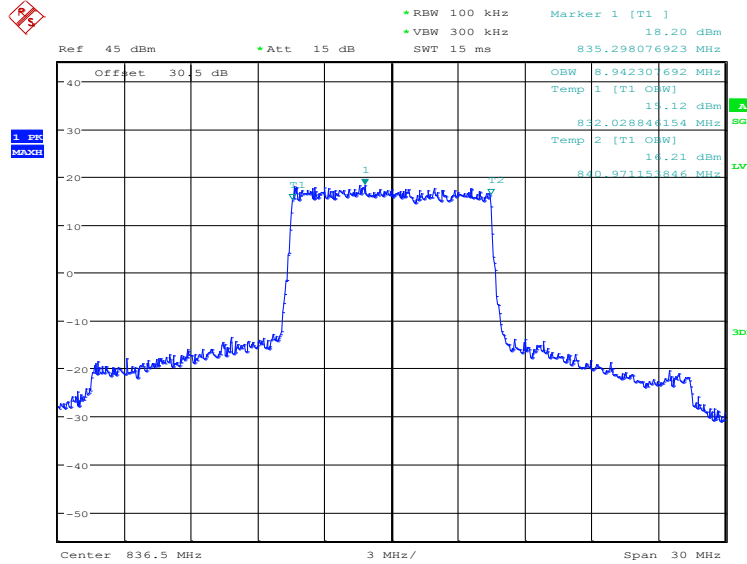


Date: 9.OCT.2024 10:48:09

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

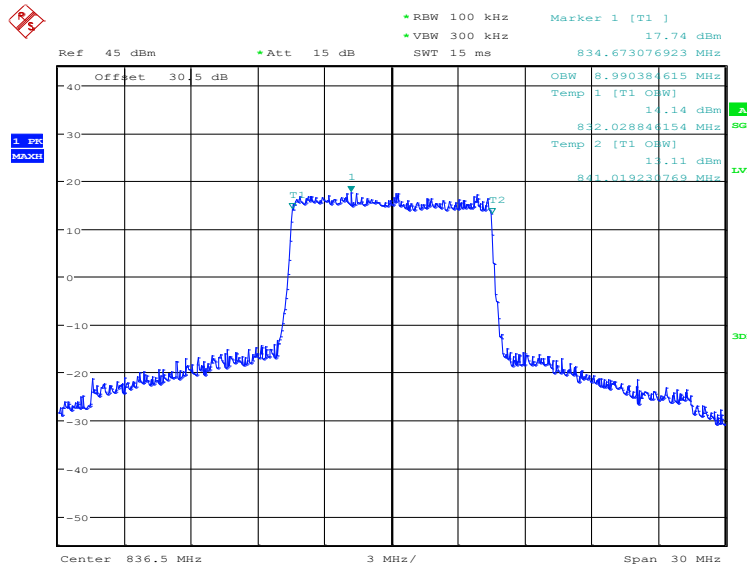
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	8942.31	8990.38

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



Date: 9.OCT.2024 10:48:51

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

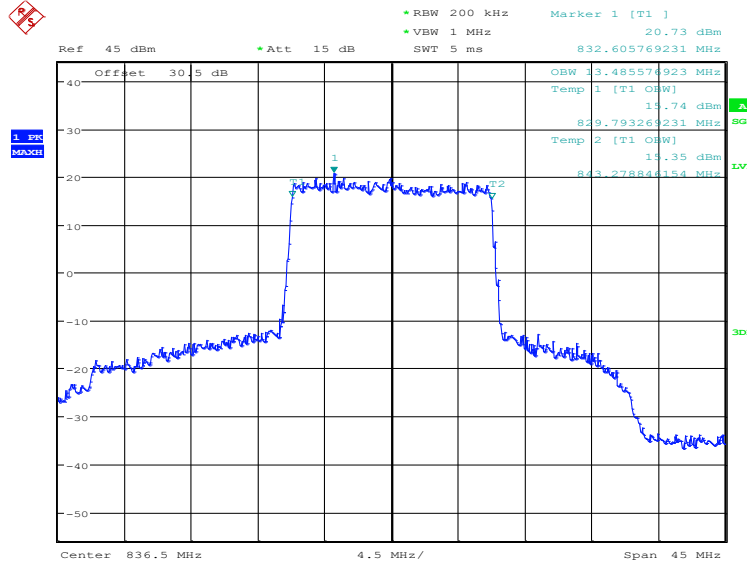


Date: 9.OCT.2024 10:49:31

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

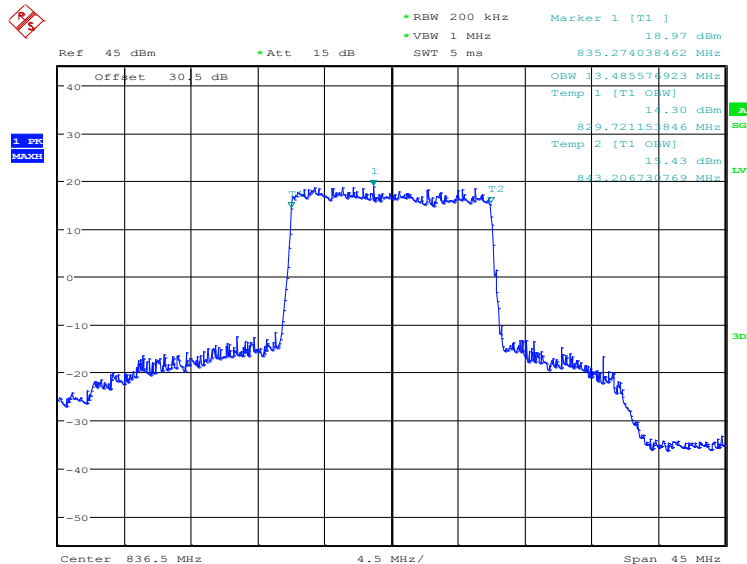
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
836.5	QPSK	16QAM
	13485.58	13485.58

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



Date: 9.OCT.2024 10:50:13

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

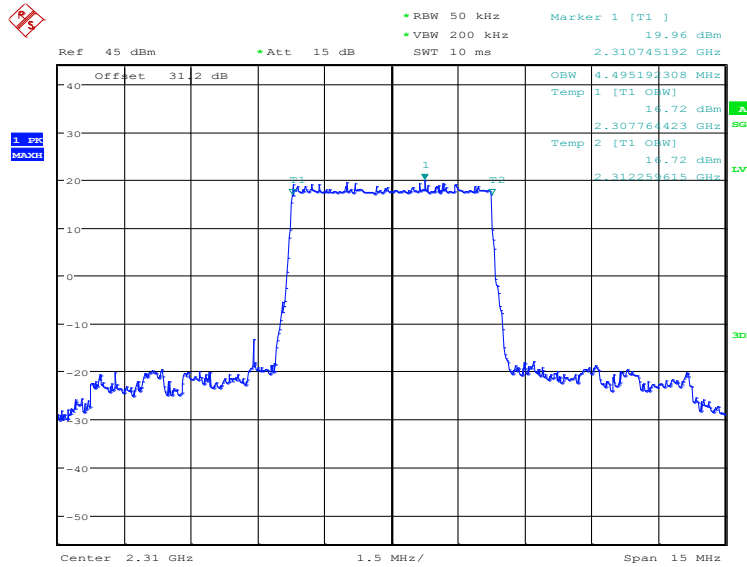


Date: 9.OCT.2024 10:50:53

LTE band 30, 5MHz (99%)

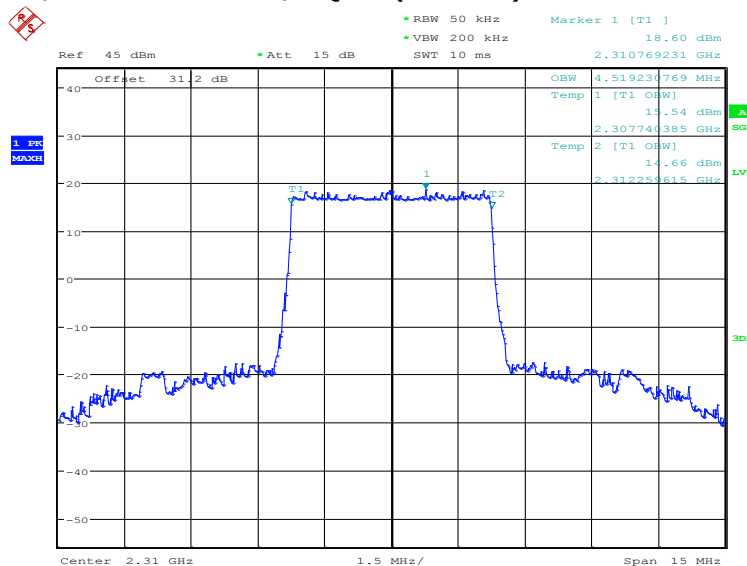
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2310.0	QPSK	16QAM
	4495.19	4519.23

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



Date: 9.OCT.2024 15:39:18

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

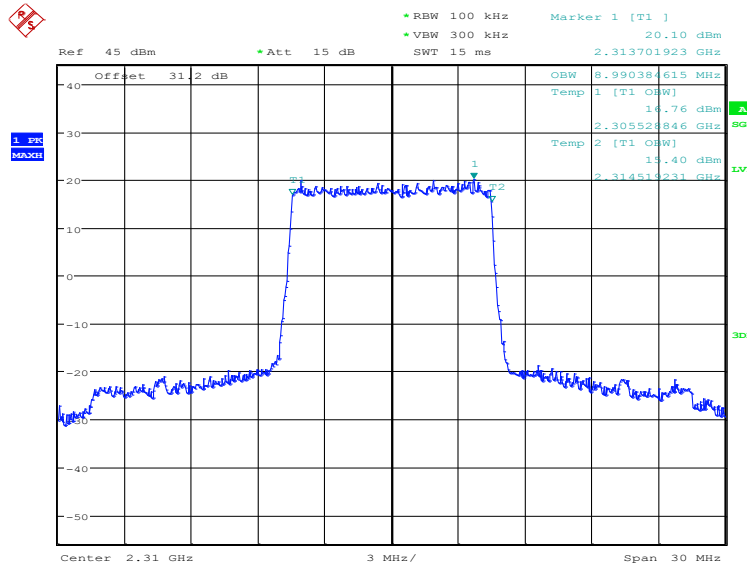


Date: 9.OCT.2024 15:39:59

LTE band 30, 10MHz (99%)

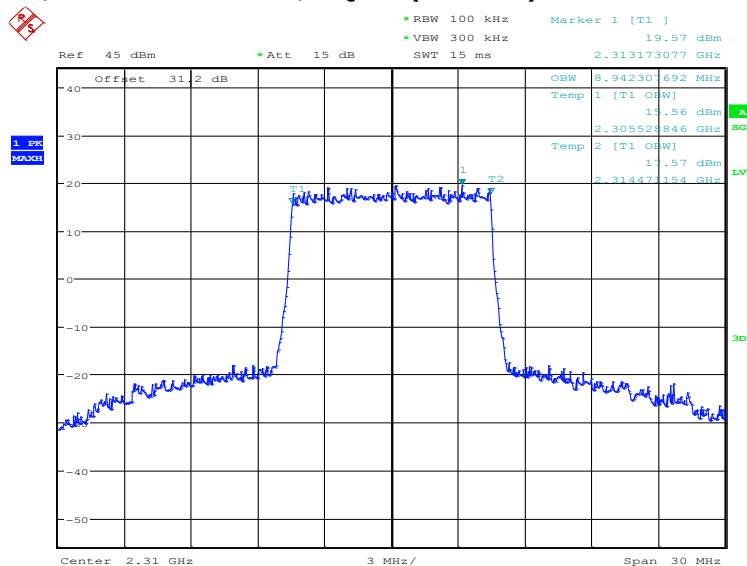
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2310.0	QPSK	16QAM
	8990.38	8942.31

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



Date: 9.OCT.2024 15:40:41

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

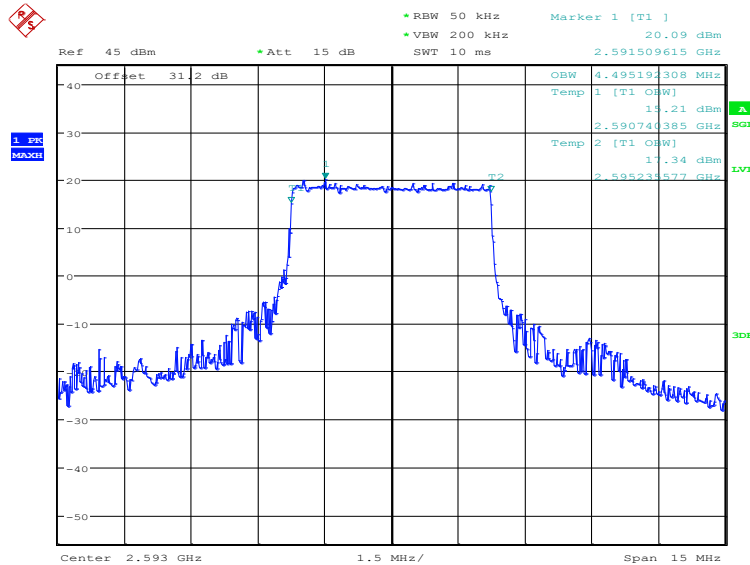


Date: 9.OCT.2024 15:41:21

LTE band 41, 5MHz (99%)

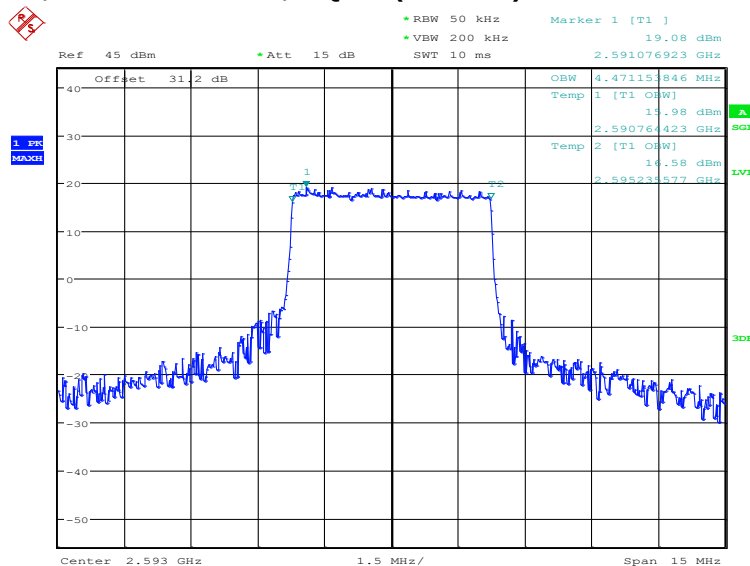
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	4495.19	4471.15

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



Date: 9.OCT.2024 14:20:41

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

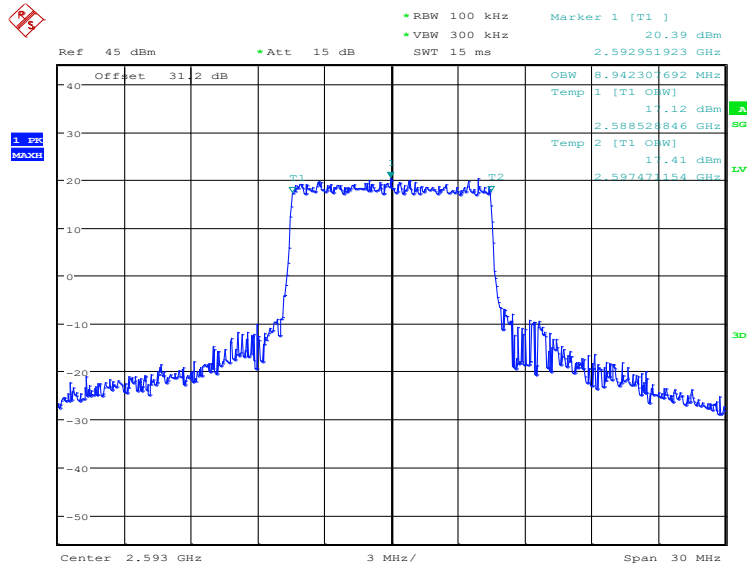


Date: 9.OCT.2024 14:21:21

LTE band 41, 10MHz (99%)

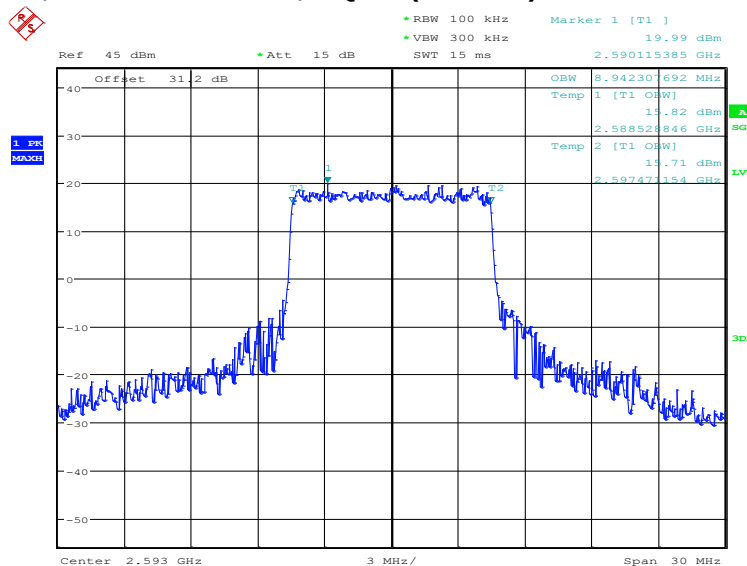
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	8942.31	8942.31

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



Date: 9.OCT.2024 14:22:03

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

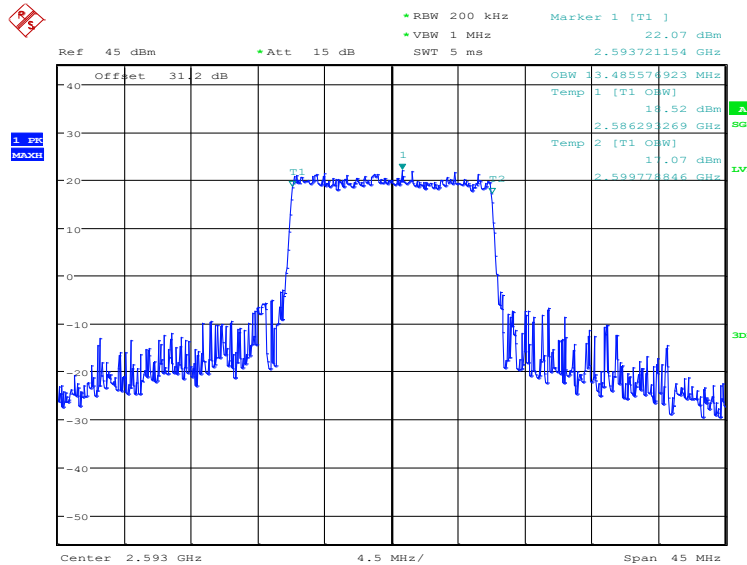


Date: 9.OCT.2024 14:22:43

LTE band 41, 15MHz (99%)

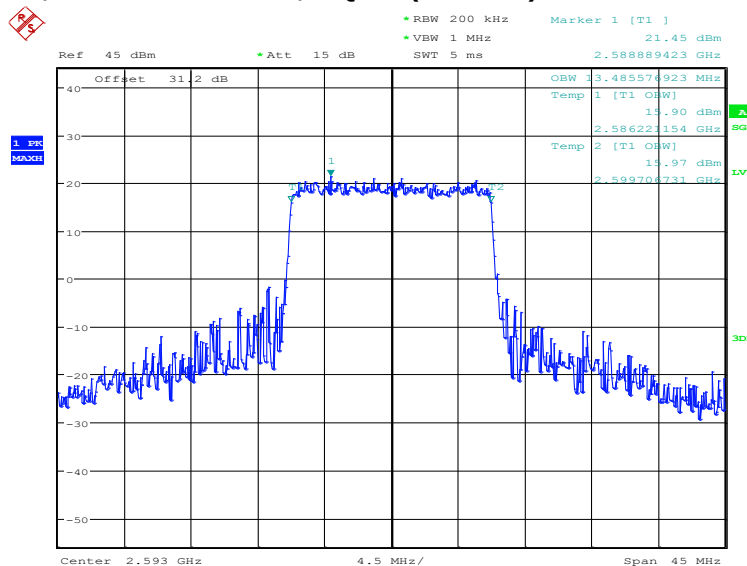
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	13485.58	13485.58

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



Date: 9.OCT.2024 14:23:25

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

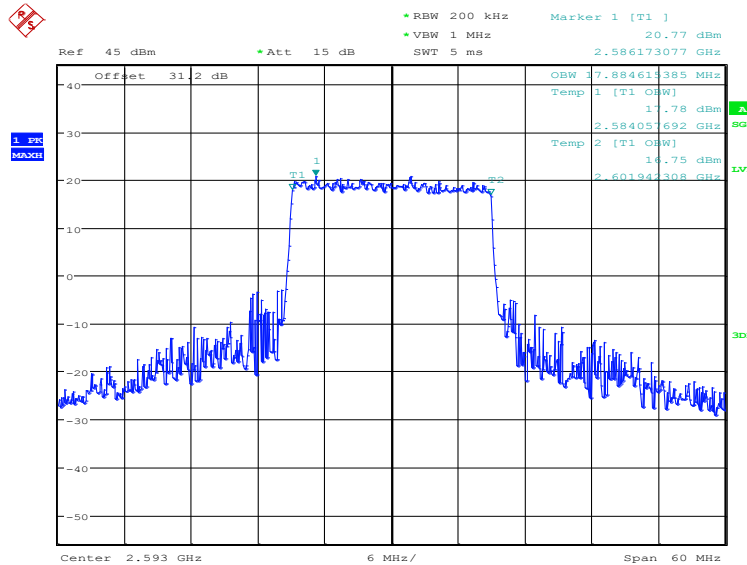


Date: 9.OCT.2024 14:24:05

LTE band 41, 20MHz (99%)

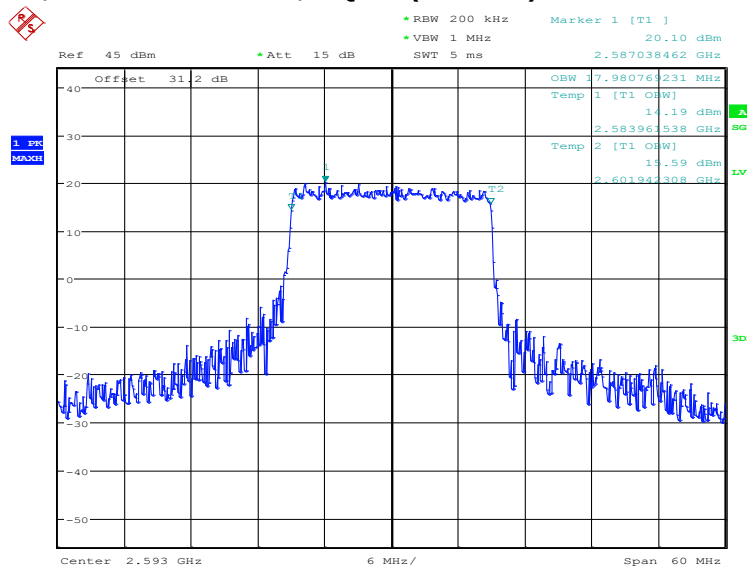
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
2593.0	QPSK	16QAM
	17884.62	17980.77

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



Date: 9.OCT.2024 14:24:47

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

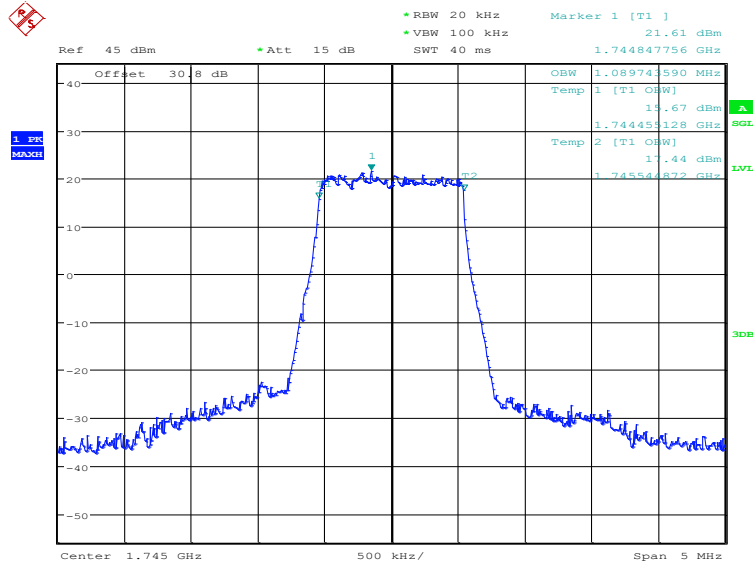


Date: 9.OCT.2024 14:25:27

LTE band 66, 1.4MHz (99%)

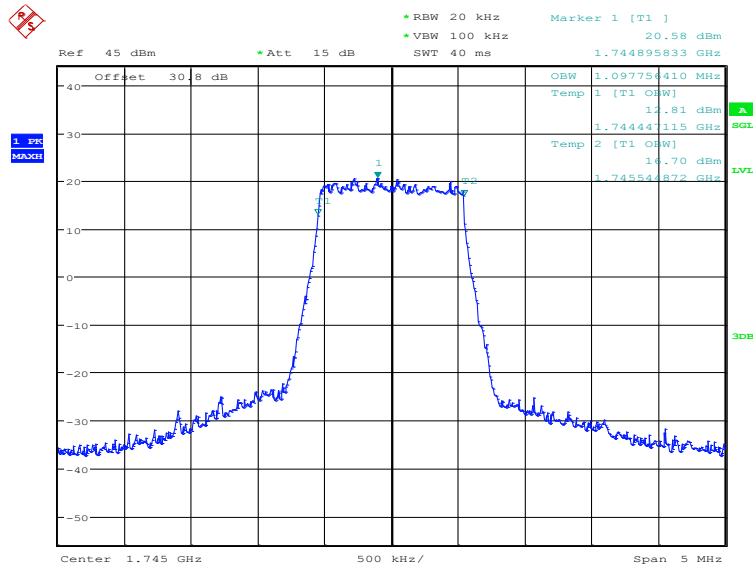
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	1089.74	1097.76

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



Date: 9.OCT.2024 09:16:54

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

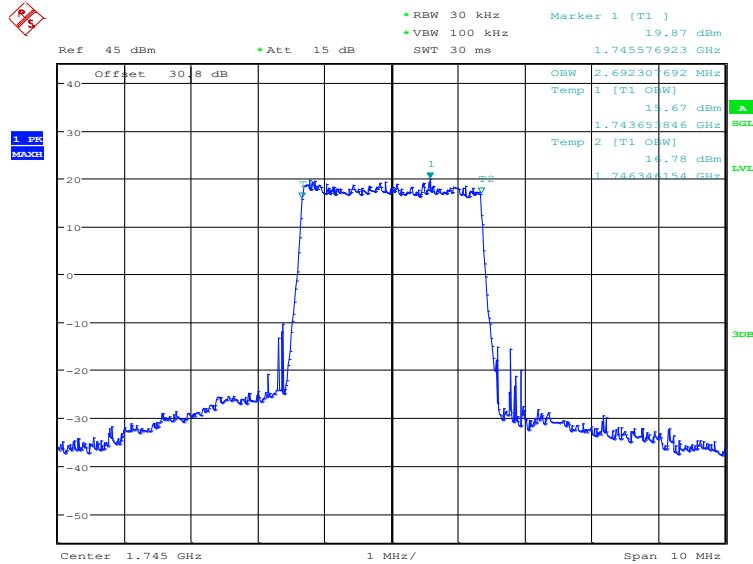


Date: 9.OCT.2024 09:17:34

LTE band 66, 3MHz (99%)

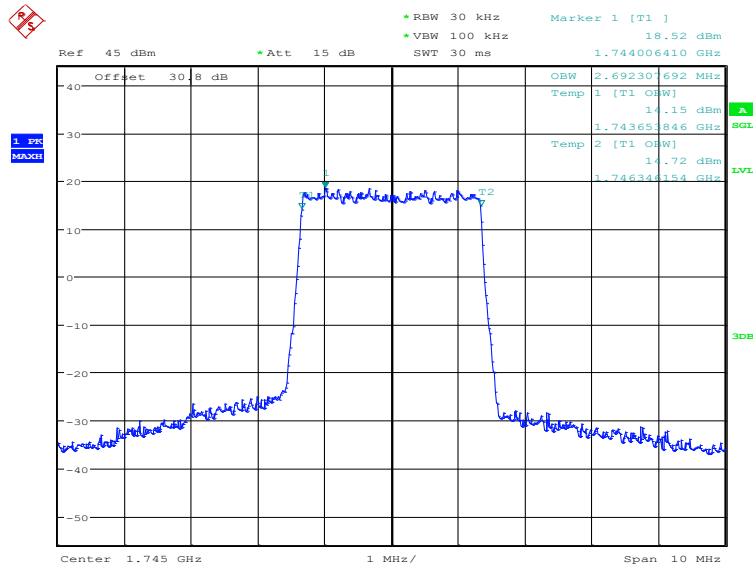
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	2692.31	2692.31

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



Date: 9.OCT.2024 09:18:16

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

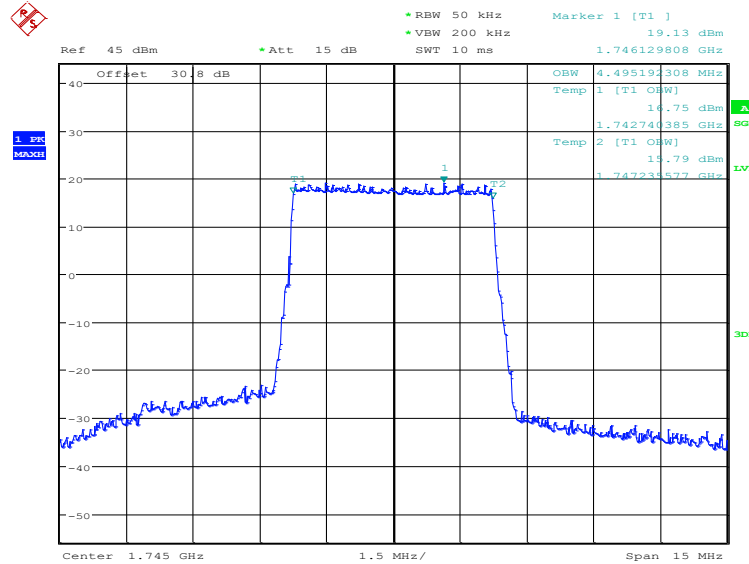


Date: 9.OCT.2024 09:18:56

LTE band 66, 5MHz (99%)

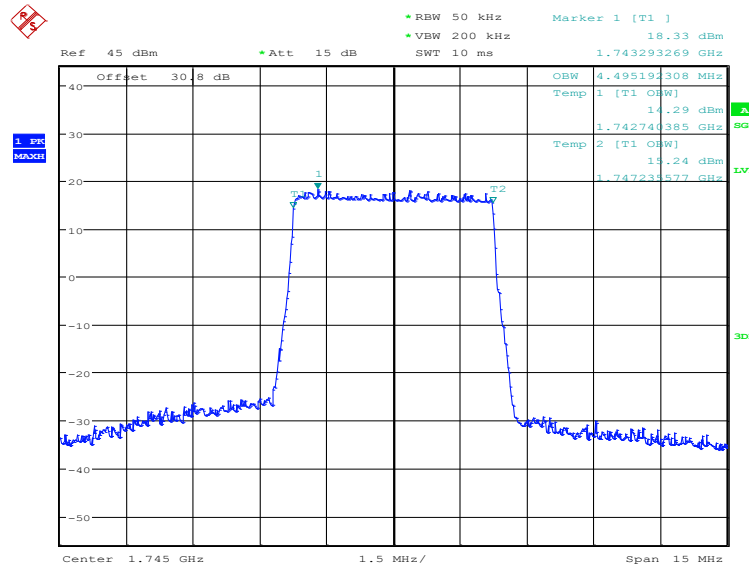
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	4495.19	4495.19

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



Date: 9.OCT.2024 09:19:39

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

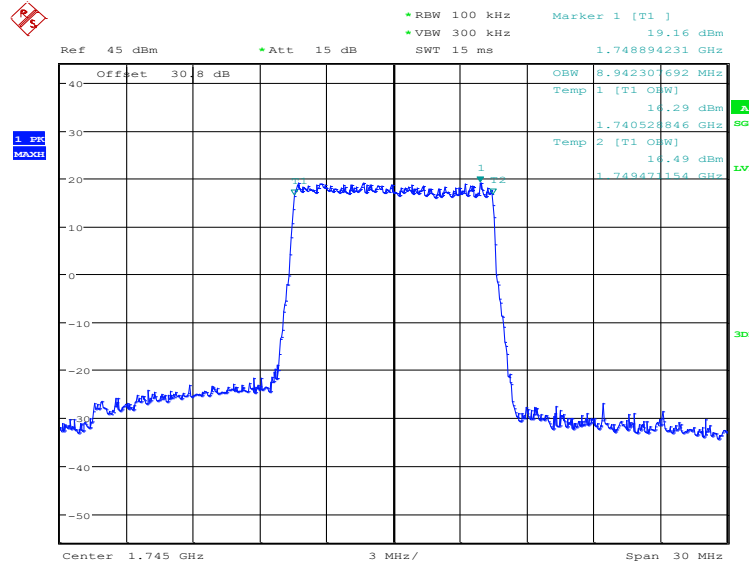


Date: 9.OCT.2024 09:20:19

LTE band 66, 10MHz (99%)

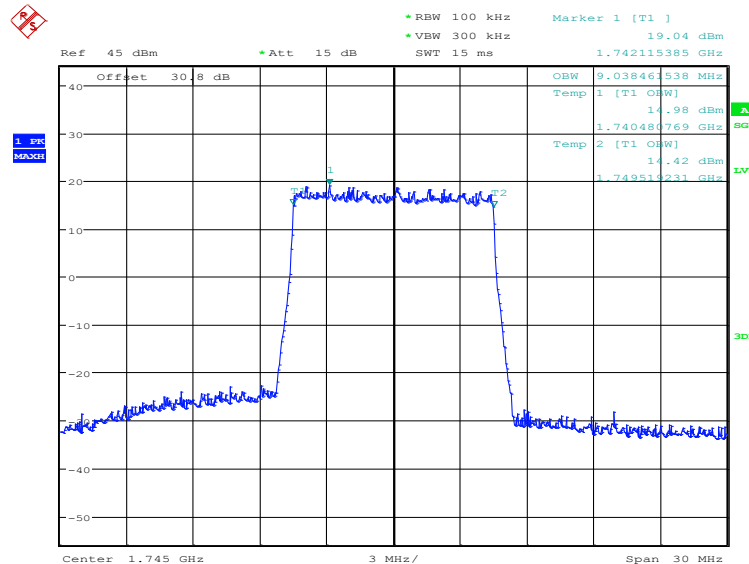
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	8942.31	9038.46

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



Date: 9.OCT.2024 09:21:01

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

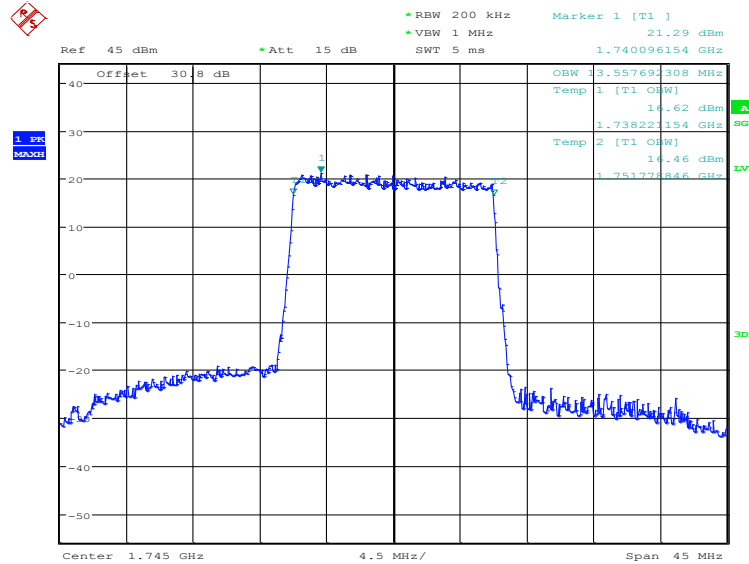


Date: 9.OCT.2024 09:21:41

LTE band 66, 15MHz (99%)

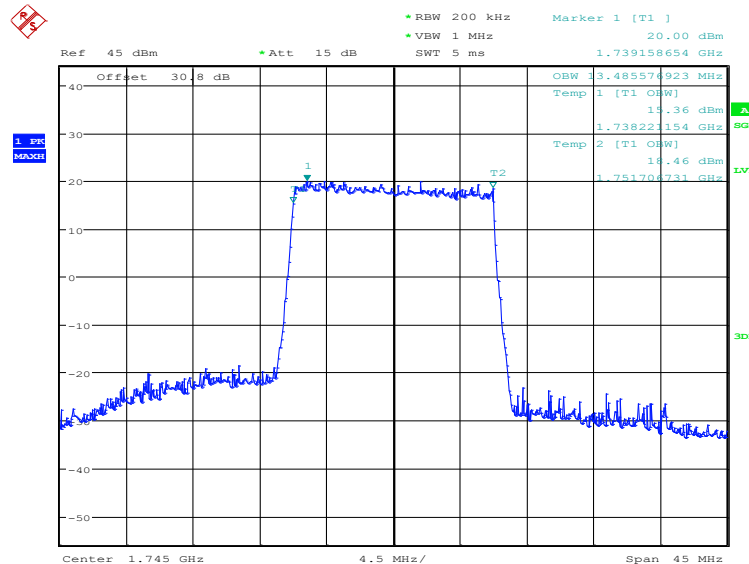
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	13557.69	13485.58

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



Date: 9.OCT.2024 09:22:23

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

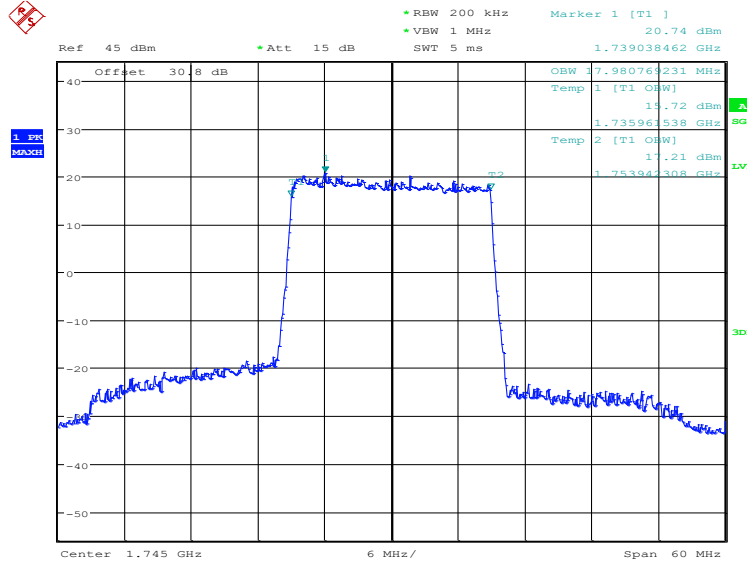


Date: 9.OCT.2024 09:23:03

LTE band 66, 20MHz (99%)

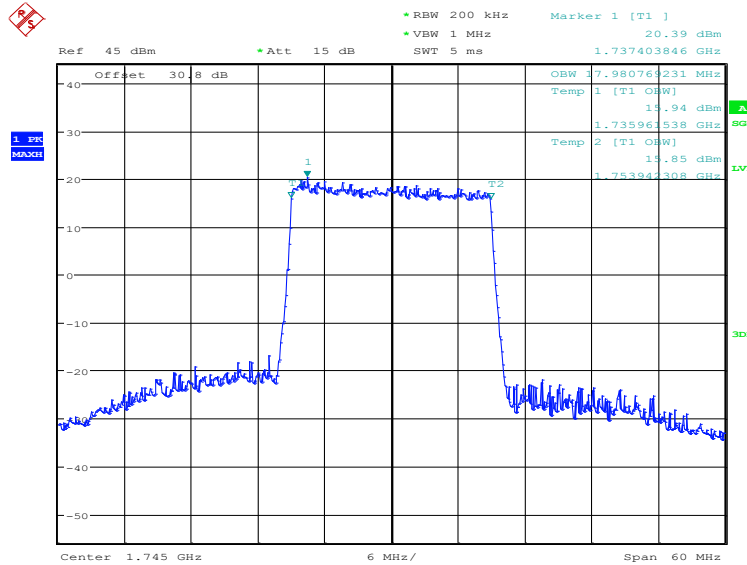
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
1745.0	QPSK	16QAM
	17980.77	17980.77

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



Date: 9.OCT.2024 09:23:45

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

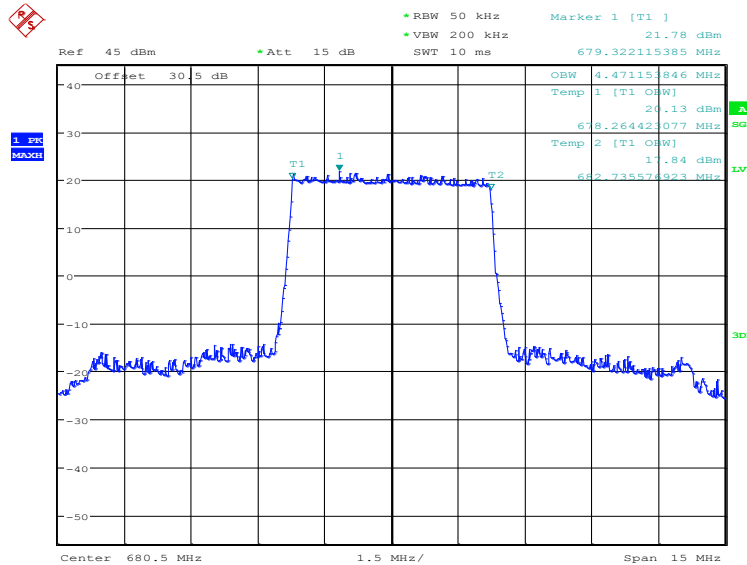


Date: 9.OCT.2024 09:24:25

LTE band 71, 5MHz (99%)

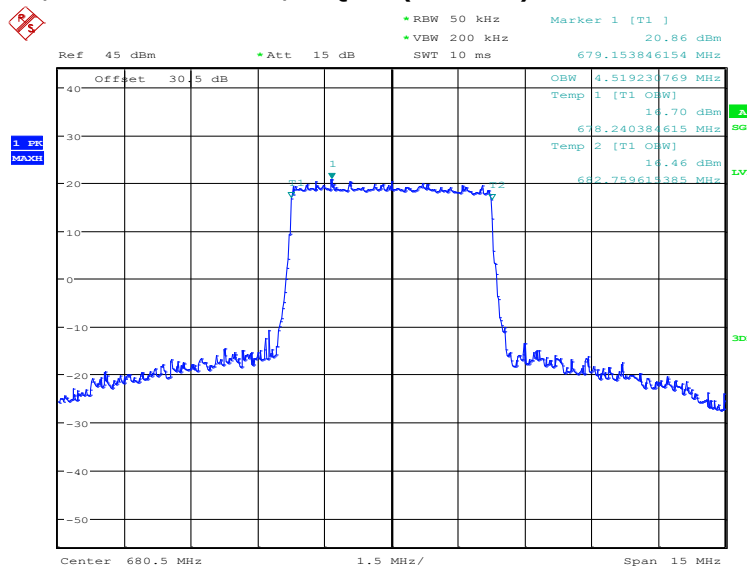
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	4471.15	4519.23

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



Date: 9.OCT.2024 10:27:05

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

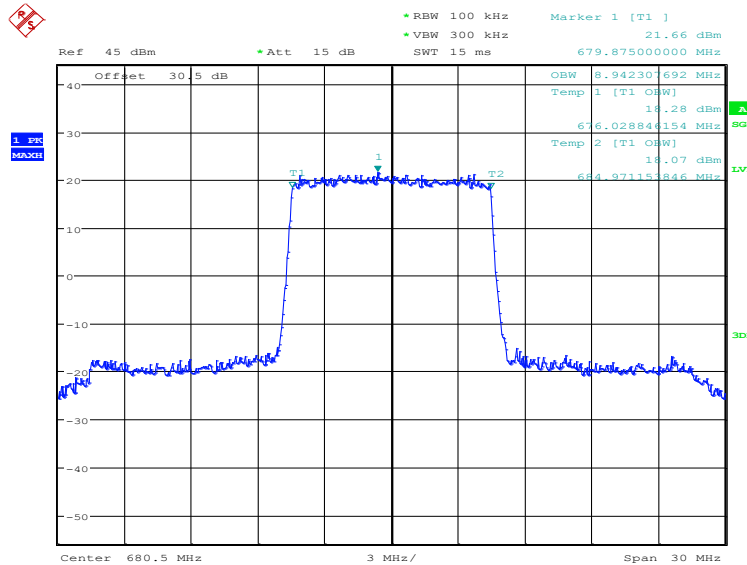


Date: 9.OCT.2024 10:27:45

LTE band 71, 10MHz (99%)

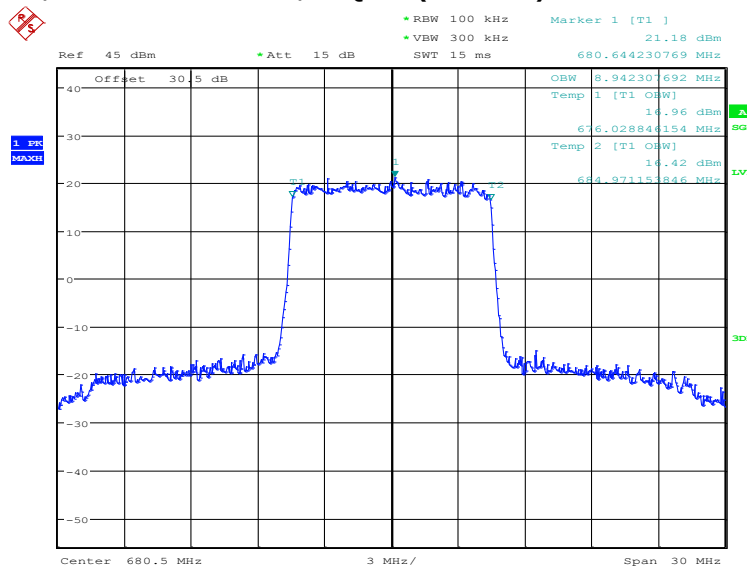
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	8942.31	8942.31

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



Date: 9.OCT.2024 10:28:27

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

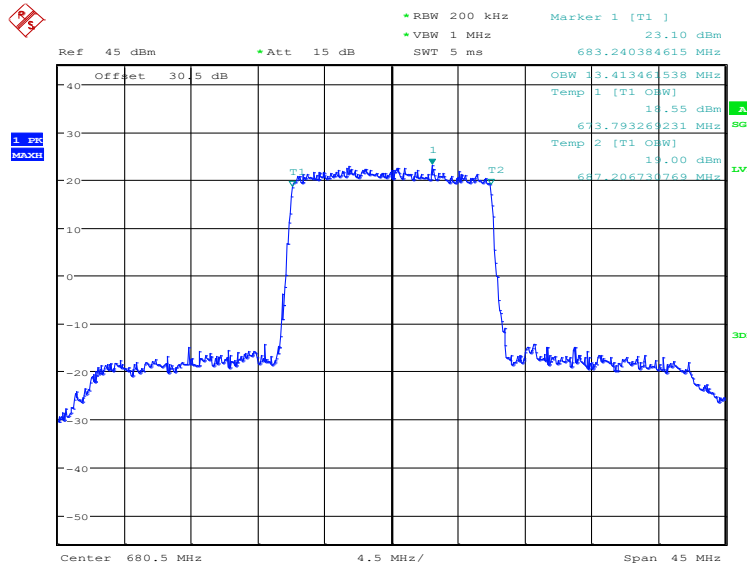


Date: 9.OCT.2024 10:29:07

LTE band 71, 15MHz (99%)

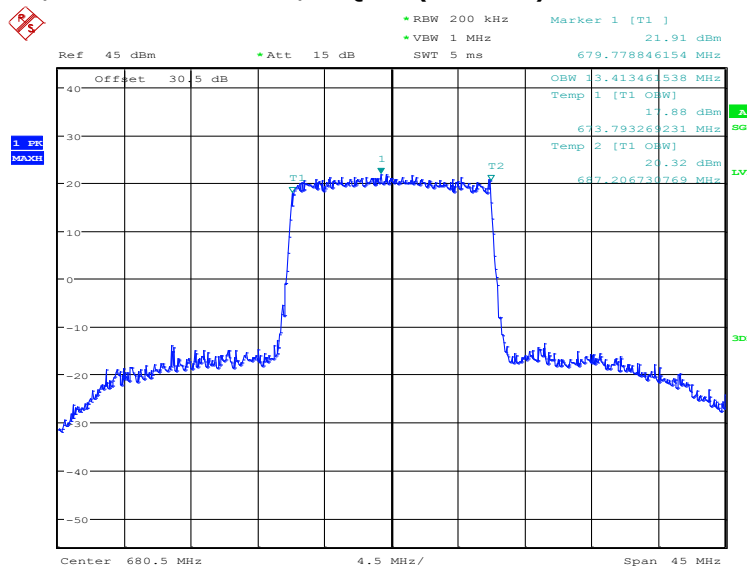
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	13413.46	13413.46

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



Date: 9.OCT.2024 10:29:49

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

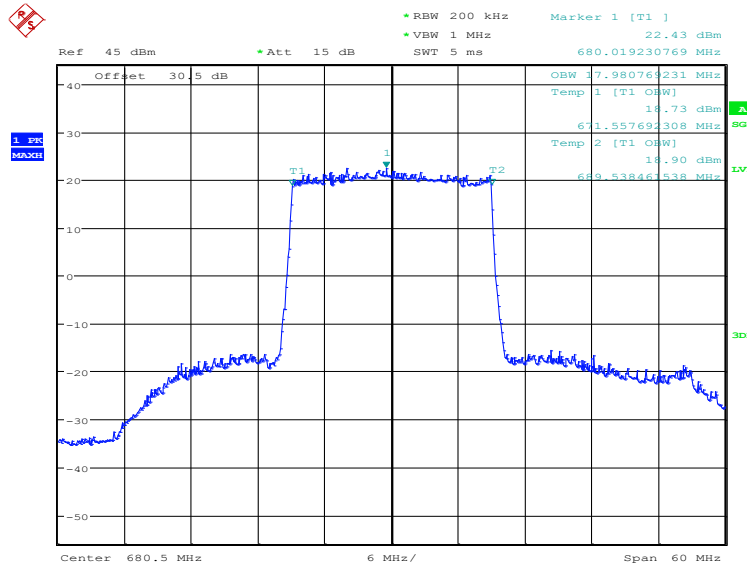


Date: 9.OCT.2024 10:30:29

LTE band 71, 20MHz (99%)

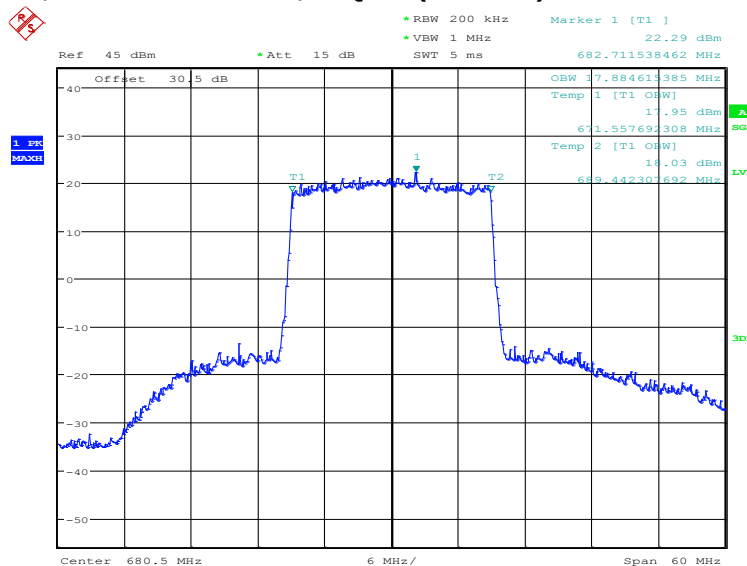
Frequency(MHz)	Occupied Bandwidth (99%)(kHz)	
680.5	QPSK	16QAM
	17980.77	17884.62

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



Date: 9.OCT.2024 10:31:11

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



Date: 9.OCT.2024 10:31:51

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

A.5 Emission Bandwidth

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

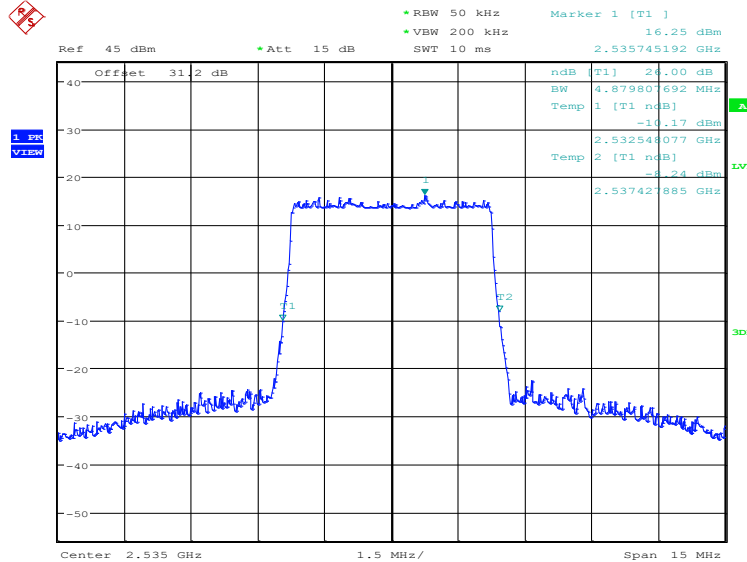
The measurement method is from ANSI C63.26:

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

LTE band 7, 5MHz (-26dBc)

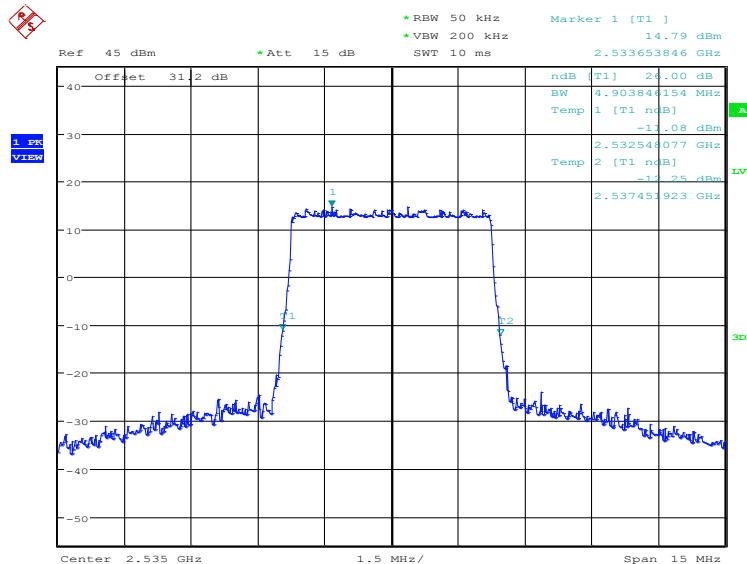
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	4879.81	4903.85

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



Date: 9.OCT.2024 14:26:46

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

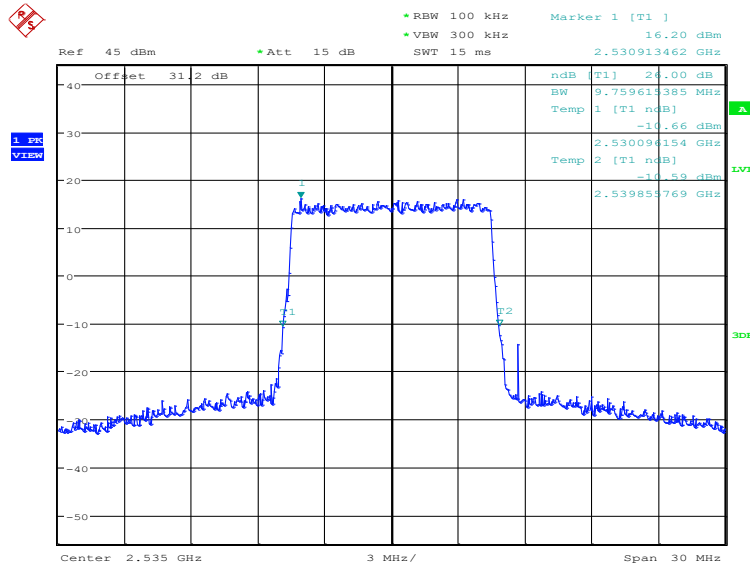


Date: 9.OCT.2024 14:27:26

LTE band 7, 10MHz (-26dBc)

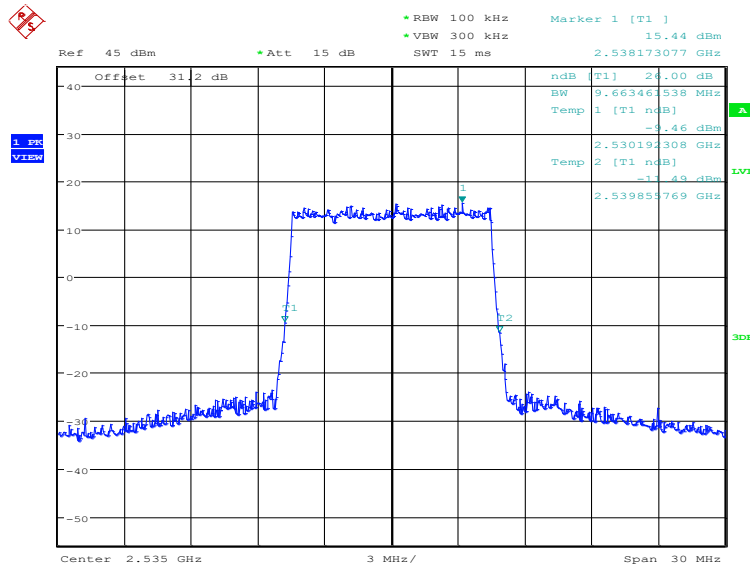
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	9759.62	9663.46

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



Date: 9.OCT.2024 14:28:09

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

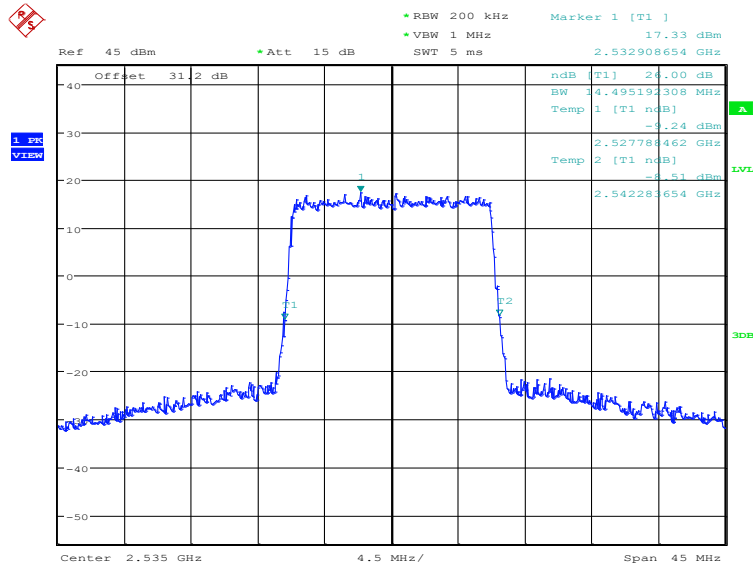


Date: 9.OCT.2024 14:28:49

LTE band 7, 15MHz (-26dBc)

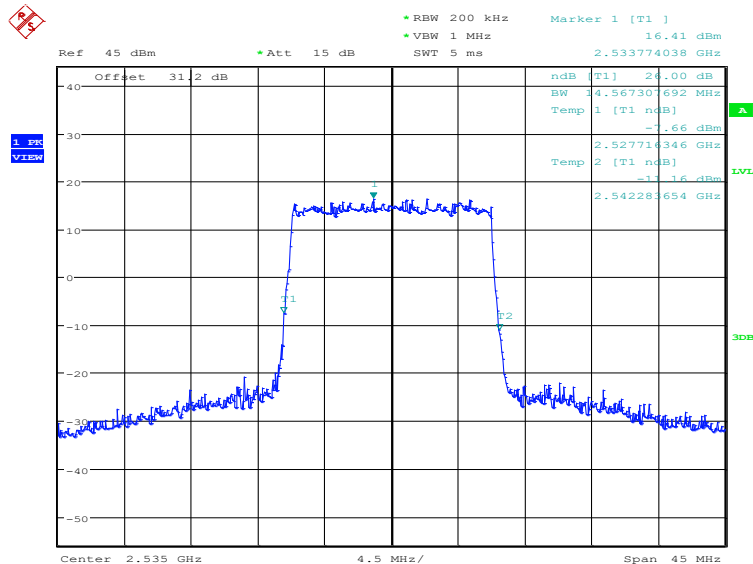
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	14495.19	14567.31

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



Date: 9.OCT.2024 14:29:31

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

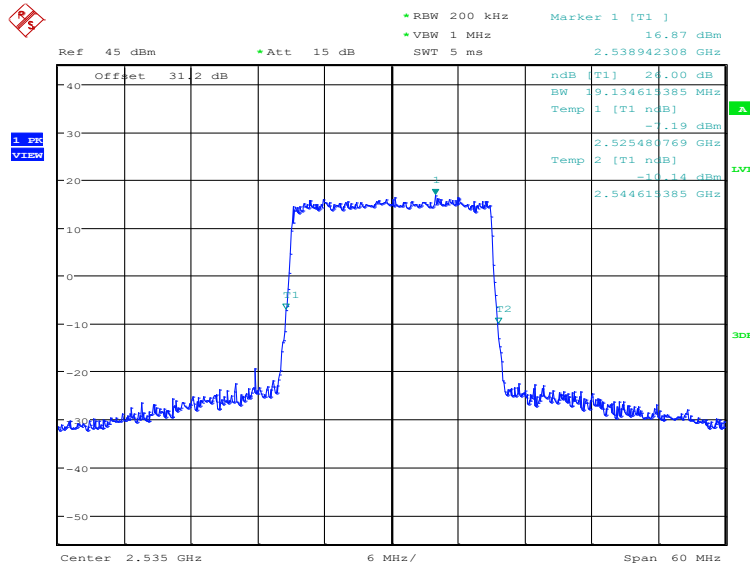


Date: 9.OCT.2024 14:30:11

LTE band 7, 20MHz (-26dBc)

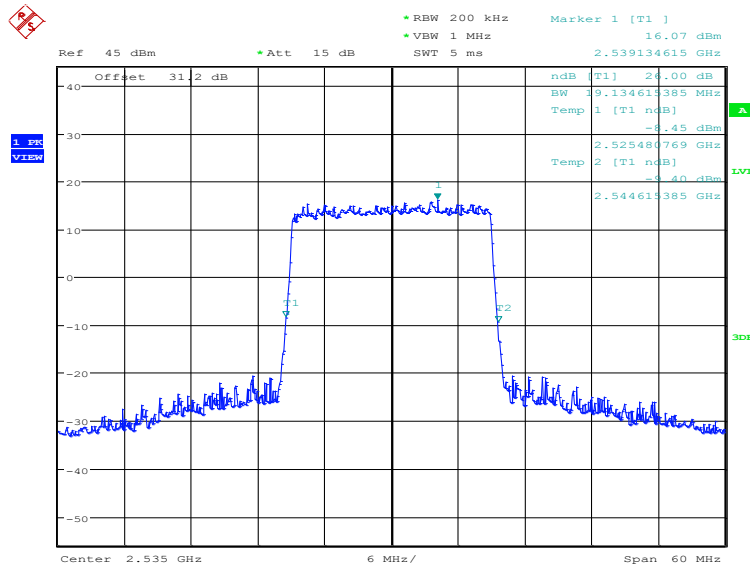
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	19134.62	19134.62

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



Date: 9.OCT.2024 14:30:54

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

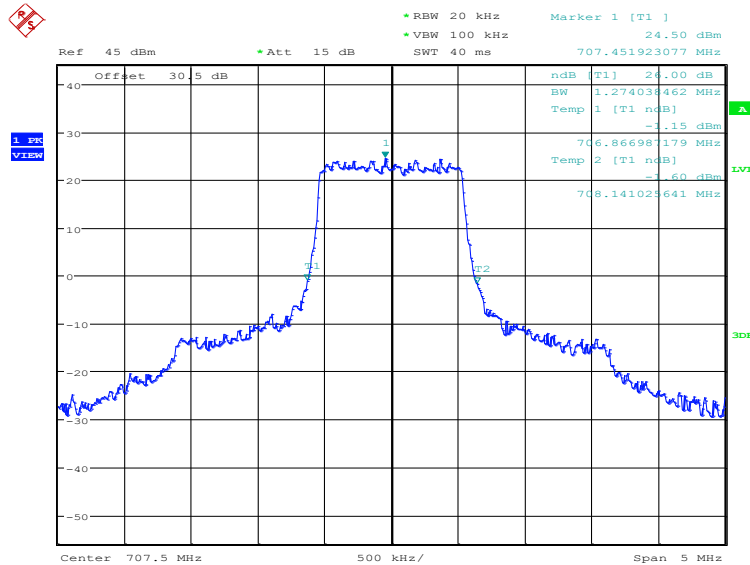


Date: 9.OCT.2024 14:31:34

LTE band 12, 1.4MHz (-26dBc)

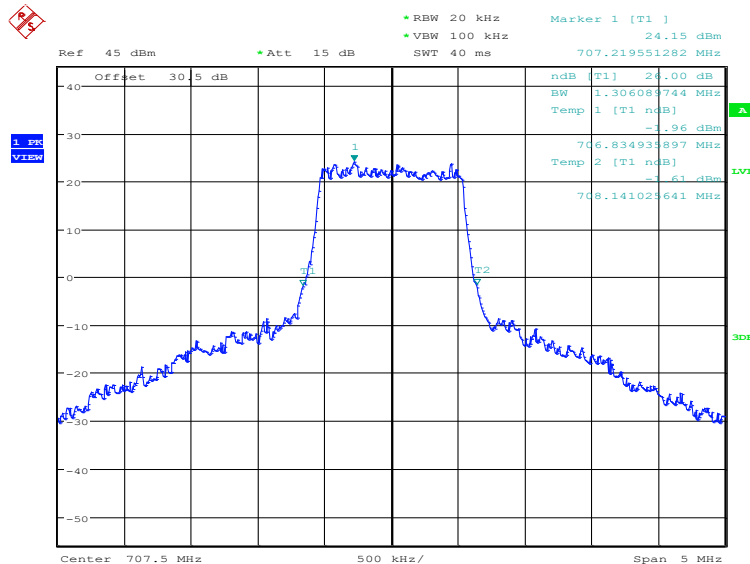
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	1274.04	1306.09

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



Date: 9.OCT.2024 11:05:17

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

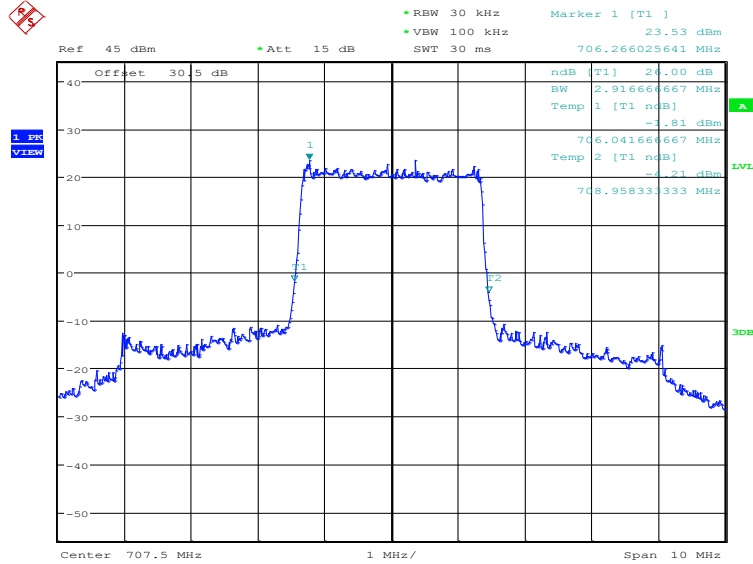


Date: 9.OCT.2024 11:05:57

LTE band 12, 3MHz (-26dBc)

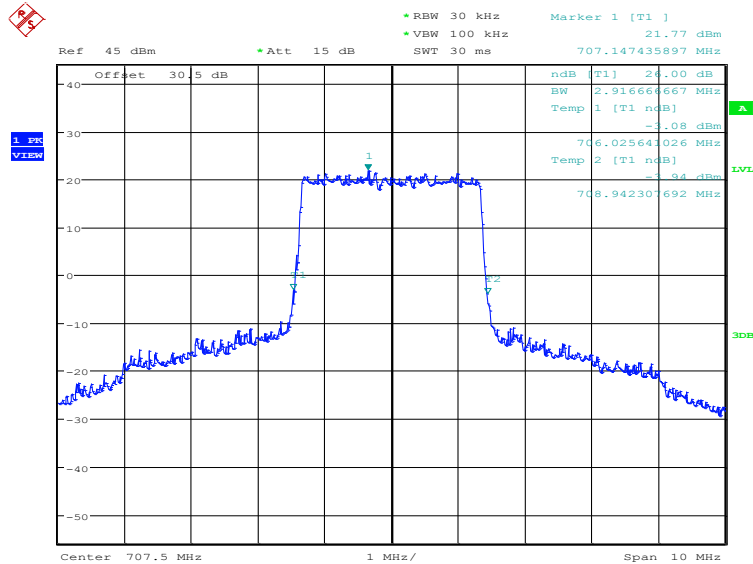
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2916.67	2916.67

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



Date: 9.OCT.2024 11:06:40

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

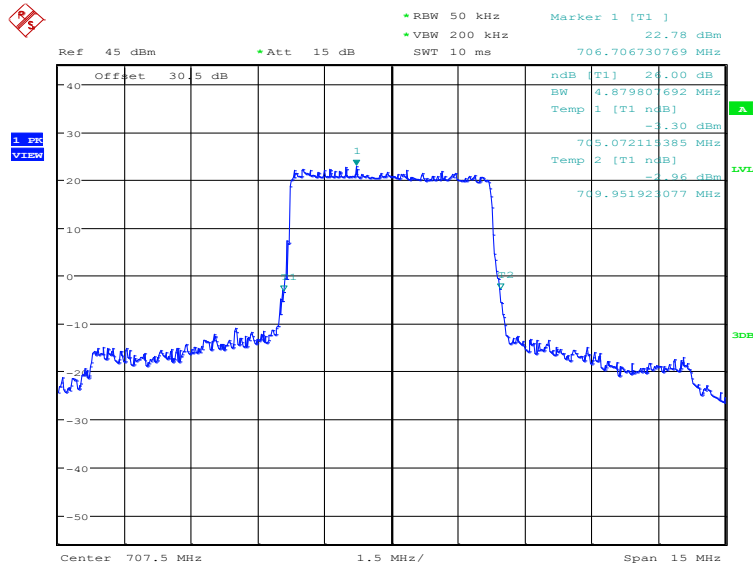


Date: 9.OCT.2024 11:07:20

LTE band 12, 5MHz (-26dBc)

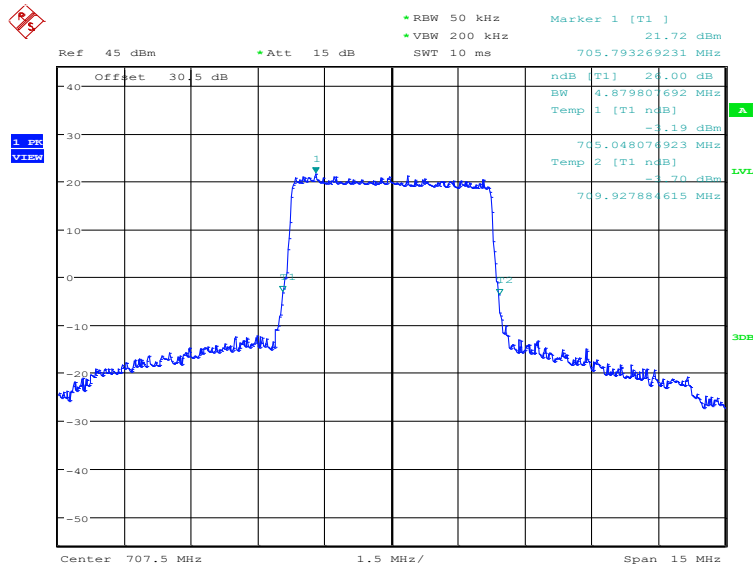
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	4879.81	4879.81

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



Date: 9.OCT.2024 11:08:03

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

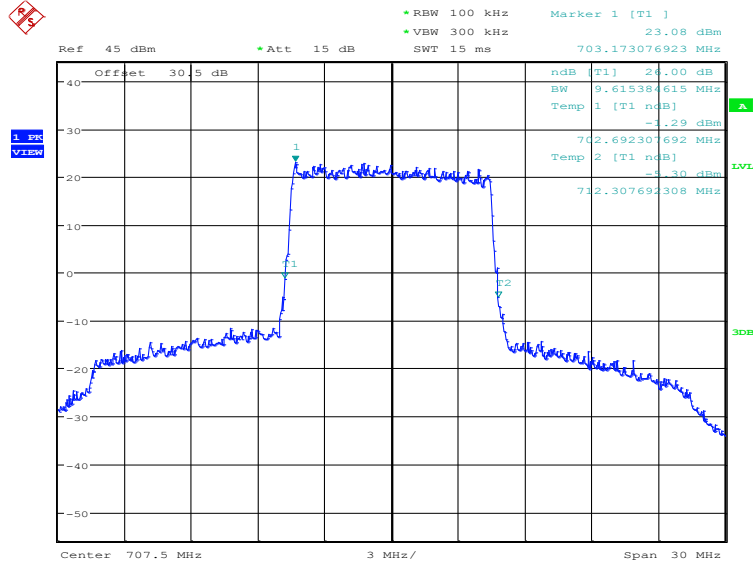


Date: 9.OCT.2024 11:08:43

LTE band 12, 10MHz (-26dBc)

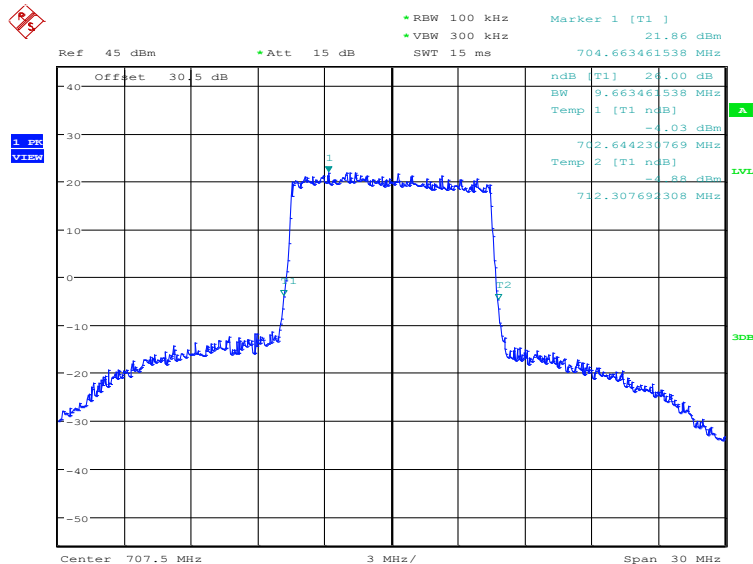
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	9615.38	9663.46

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



Date: 9.OCT.2024 11:09:25

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



Date: 9.OCT.2024 11:10:06

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

Ref 45 dBm * Att 15 dB RBW 50 kHz VBW 200 kHz SWT 10 ms

Marker 1 [T1] 19.23 dBm 780.485576923 MHz

Offset 30.5 dB

ndB [T1] 24.00 dB BW 4.87980692 MHz Temp 1 [T1 ndB] -4.29 dBm 779.572115385 MHz Temp 2 [T1 ndB] -4.64 dBm 784.451923077 MHz

Center 782 MHz 1.5 MHz/ Span 15 MHz

• RBW 50 kHz
 • VBW 200 kHz
 SWT 10 ms

Ref 45 dBm
 * Att 15 dB

Marker 1 [T1]
 18.09 dBm
 780.653846154 MHz

Offset 30.5 dB

1 PR
 VIEW

40
 30
 20
 10
 0
 -10
 -20
 -30
 -40
 -50

dB [T1] 24.00 dB
 BW 4.903846154 MHz
 Temp 1 [T1 ndB]
 -1.22 dBm
 779.548074923 MHz
 Temp 2 [T1 ndB]
 -2.49 dBm
 784.451923077 MHz

1
 T1
 T2

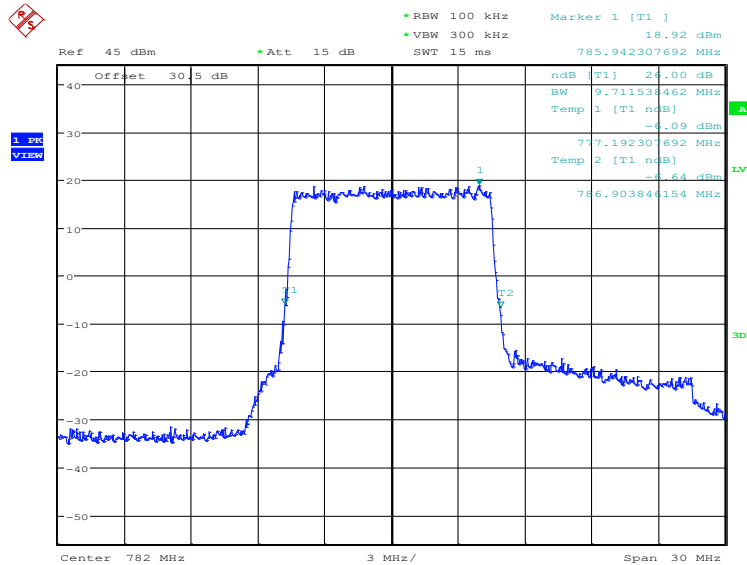
1.5 MHz/
 Center 782 MHz
 Span 15 MHz

Page 140 of 323

LTE band 13, 10MHz (-26dBc)

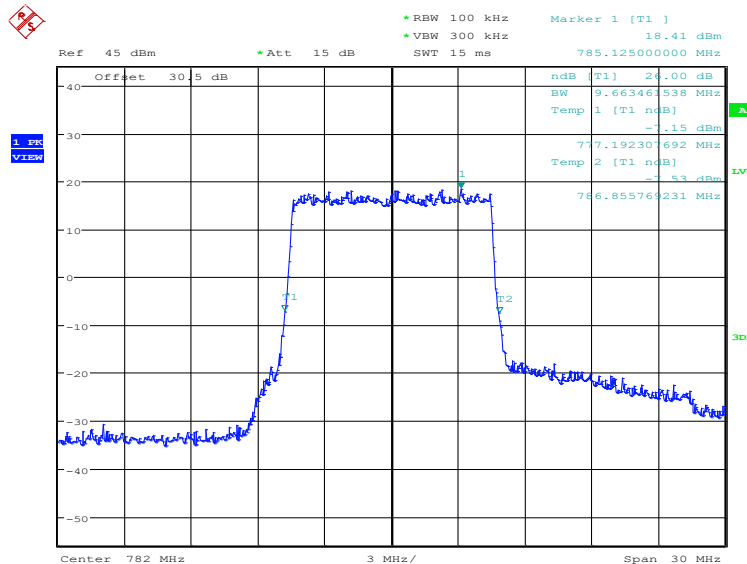
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	9711.54	9663.46

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



Date: 9.OCT.2024 11:12:13

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

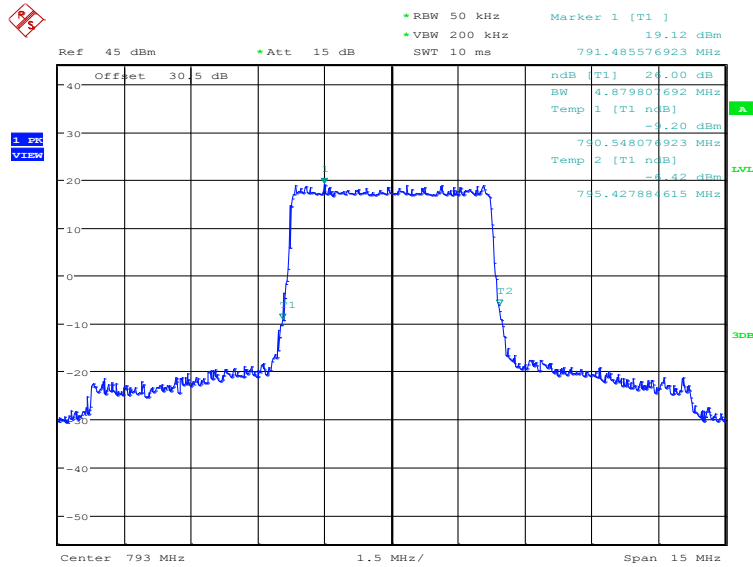


Date: 9.OCT.2024 11:12:53

LTE band 14, 5MHz (-26dBc)

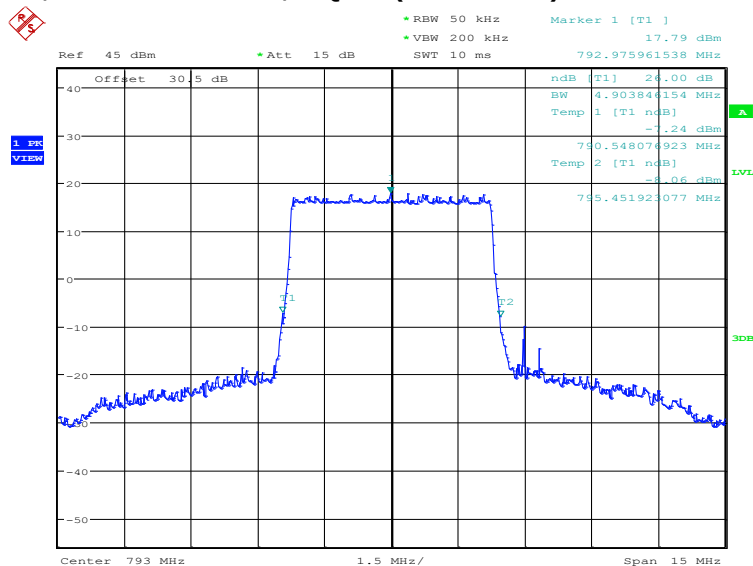
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
793.0	QPSK	16QAM
	4879.81	4903.85

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



Date: 9.OCT.2024 11:13:38

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

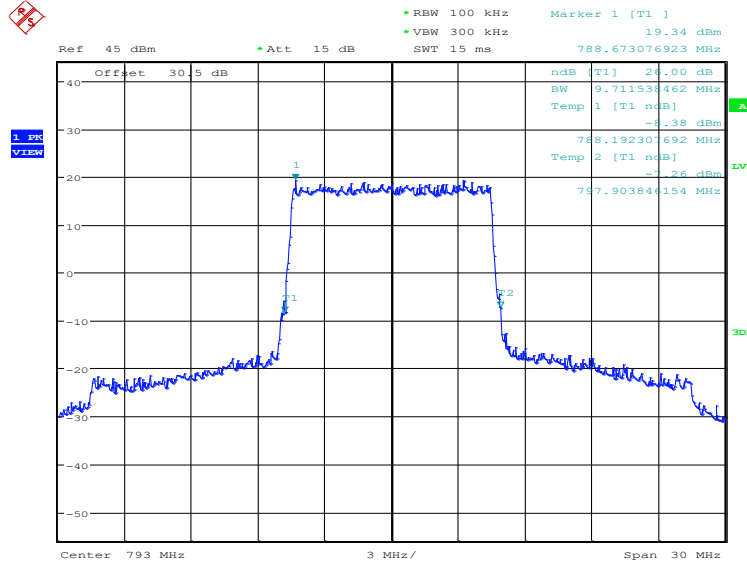


Date: 9.OCT.2024 11:14:18

LTE band 14, 10MHz (-26dBc)

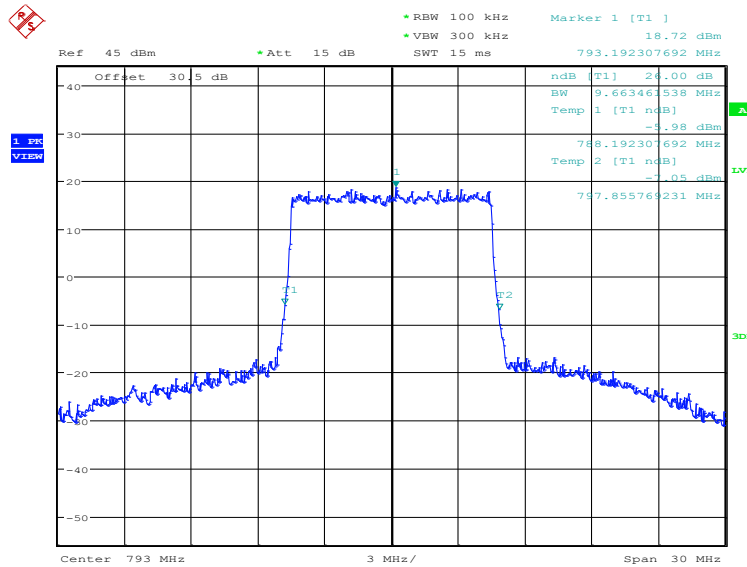
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
793.0	QPSK	16QAM
	9711.54	9663.46

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



Date: 9.OCT.2024 11:15:01

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

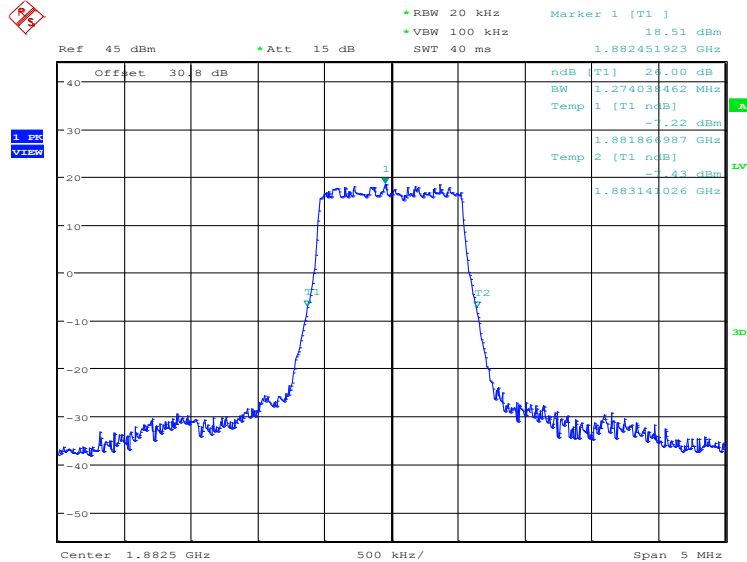


Date: 9.OCT.2024 11:15:42

LTE band 25, 1.4MHz (-26dBc)

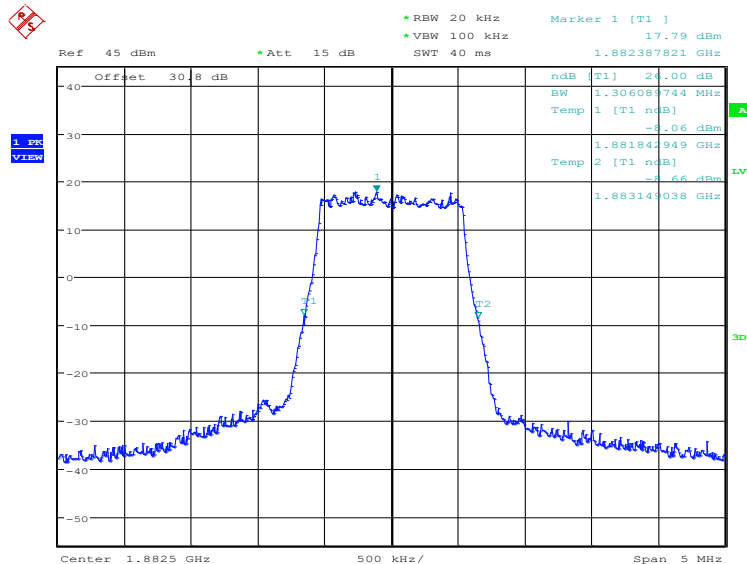
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	1274.04	1306.09

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



Date: 9.OCT.2024 09:25:44

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

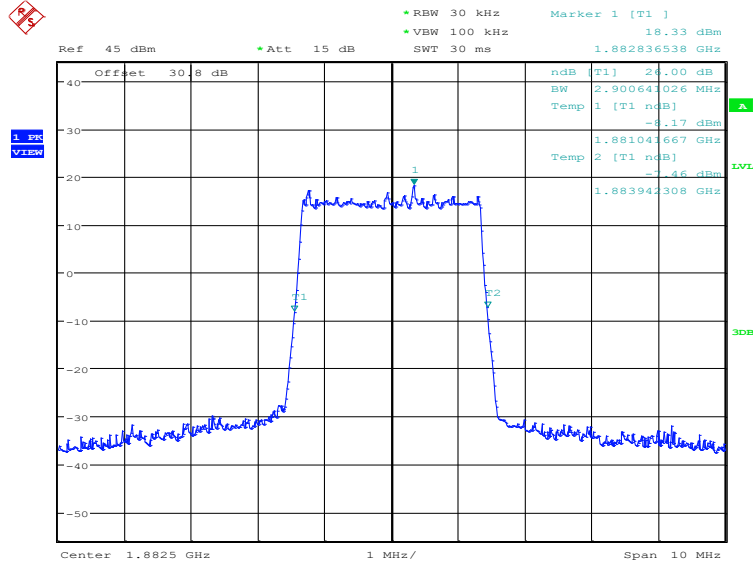


Date: 9.OCT.2024 09:26:24

LTE band 25, 3MHz (-26dBc)

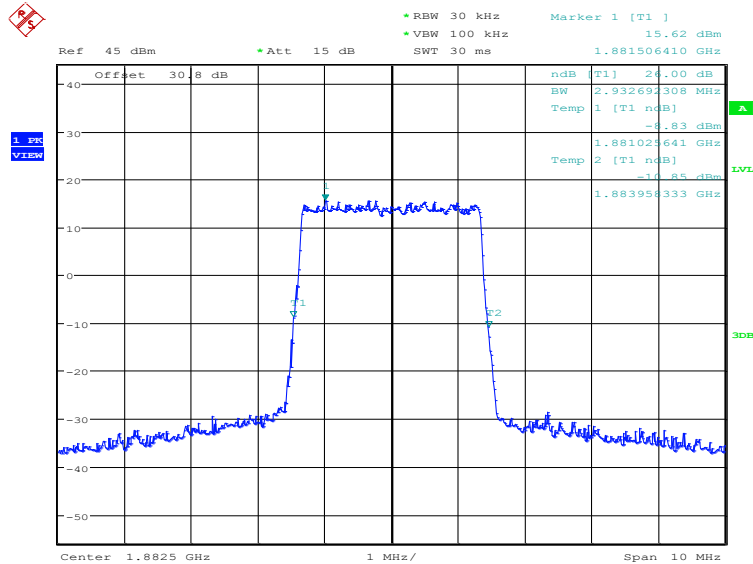
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	2900.64	2932.69

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



Date: 9.OCT.2024 09:27:06

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

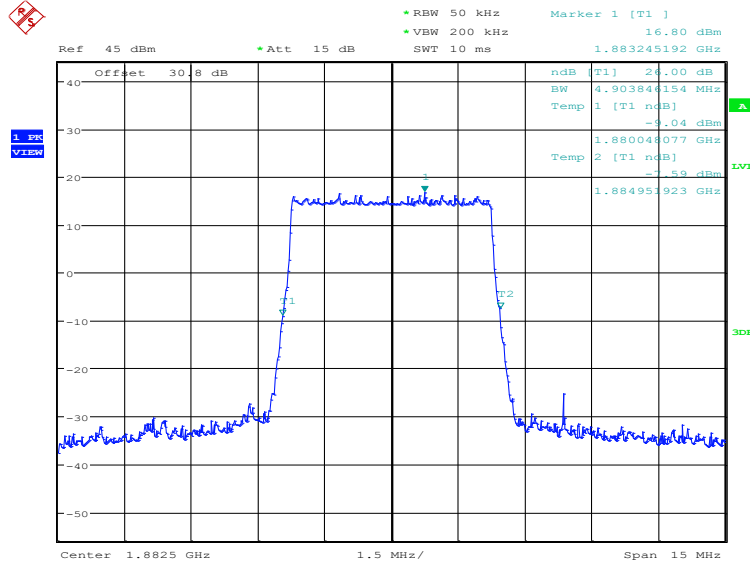


Date: 9.OCT.2024 09:27:47

LTE band 25, 5MHz (-26dBc)

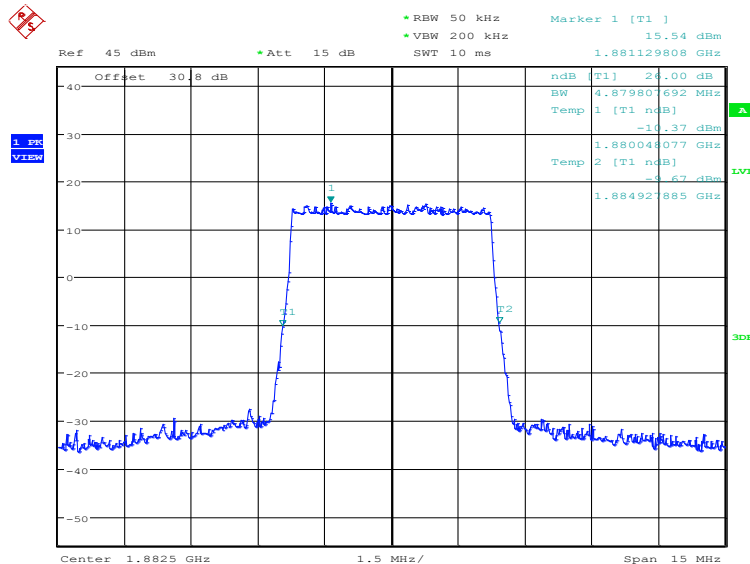
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	4903.85	4879.81

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



Date: 9.OCT.2024 09:28:29

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

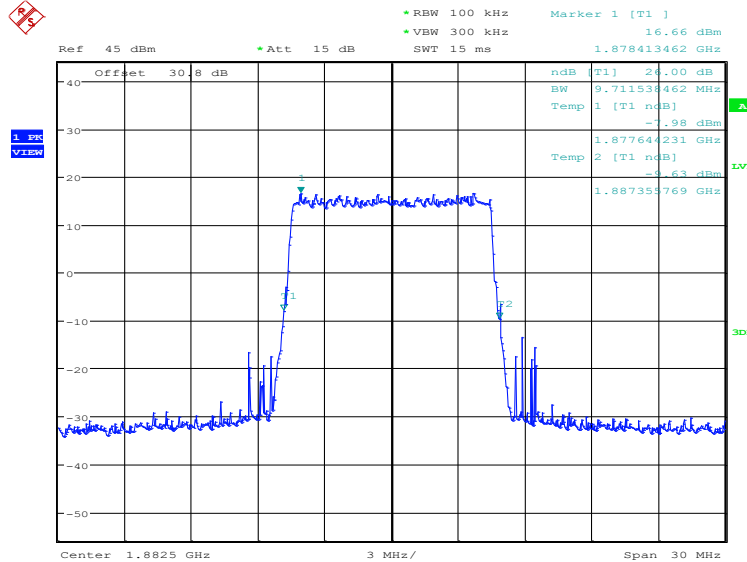


Date: 9.OCT.2024 09:29:09

LTE band 25, 10MHz (-26dBc)

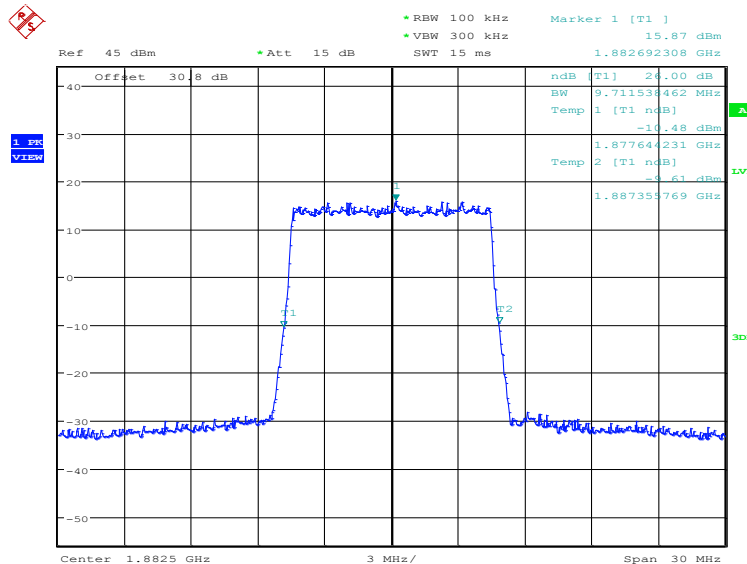
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	9711.54	9711.54

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



Date: 9.OCT.2024 09:29:51

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

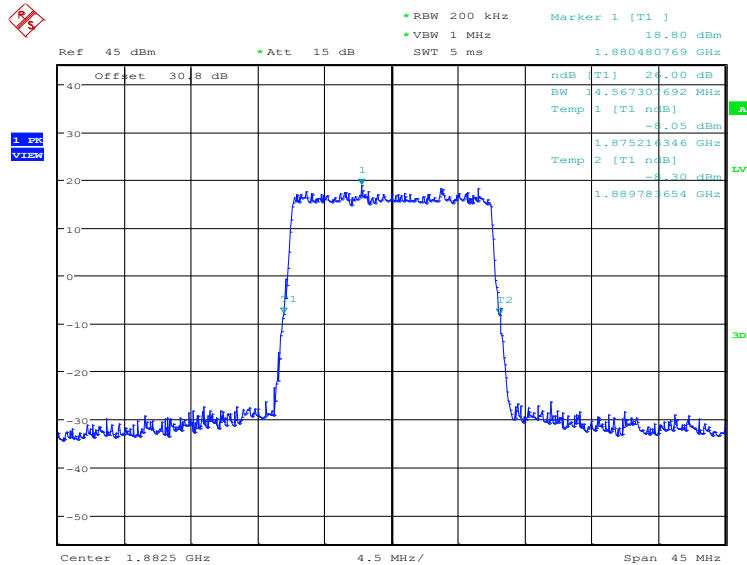


Date: 9.OCT.2024 09:30:32

LTE band 25, 15MHz (-26dBc)

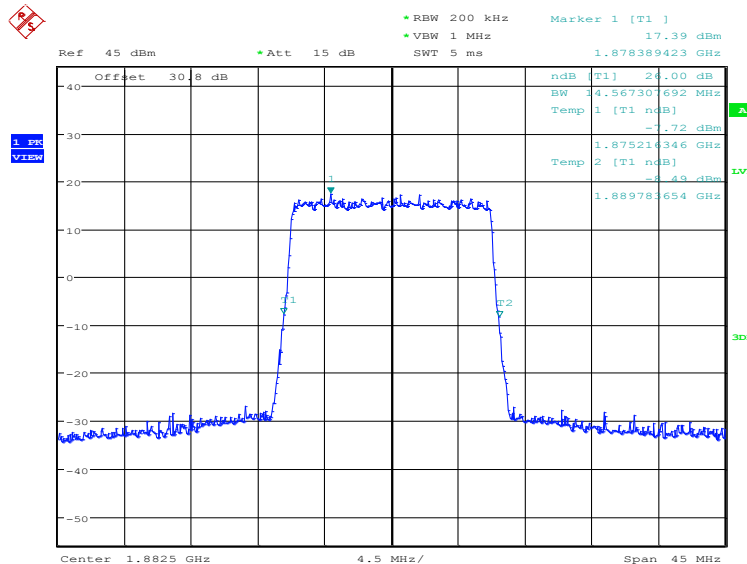
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	14567.31	14567.31

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



Date: 9.OCT.2024 09:31:14

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

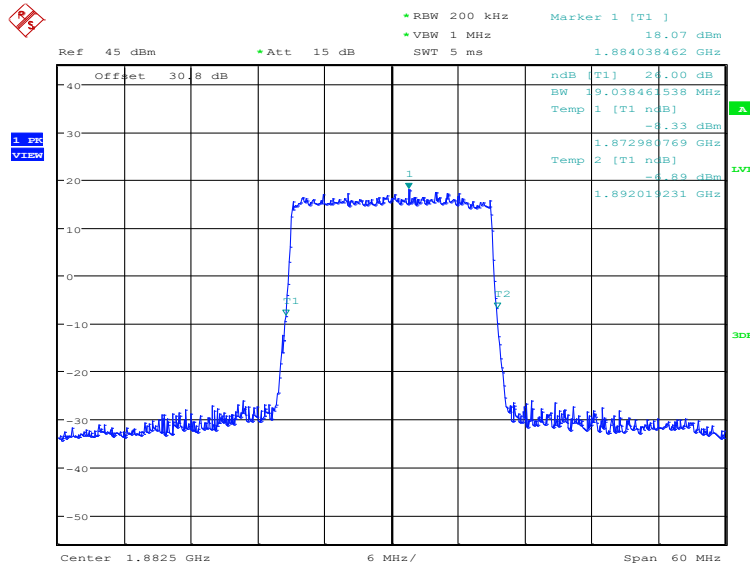


Date: 9.OCT.2024 09:31:55

LTE band 25, 20MHz (-26dBc)

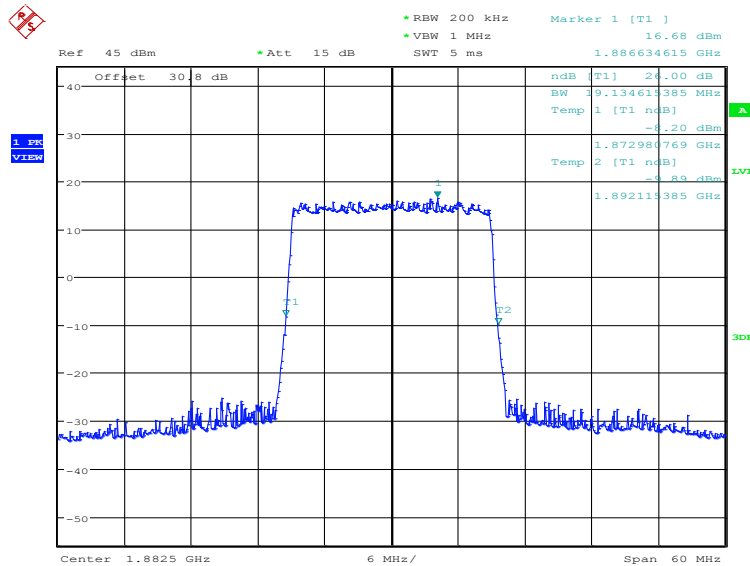
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	19038.46	19134.62

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



Date: 9.OCT.2024 09:32:37

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

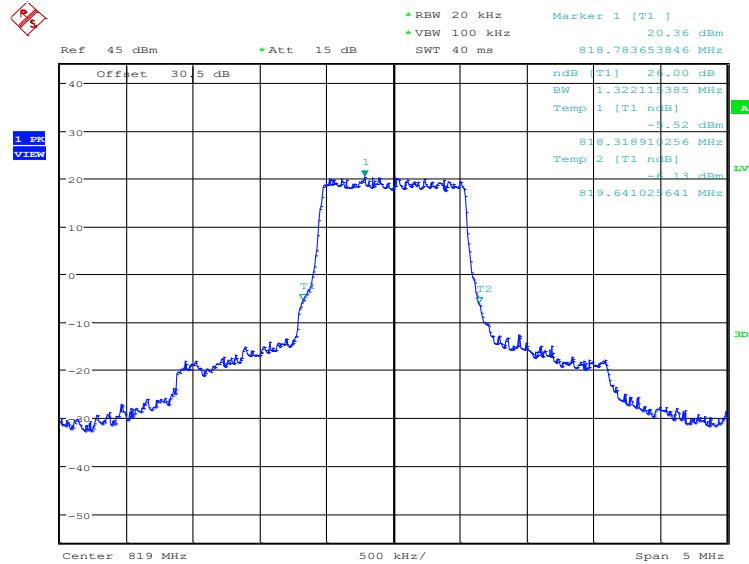


Date: 9.OCT.2024 09:33:17

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

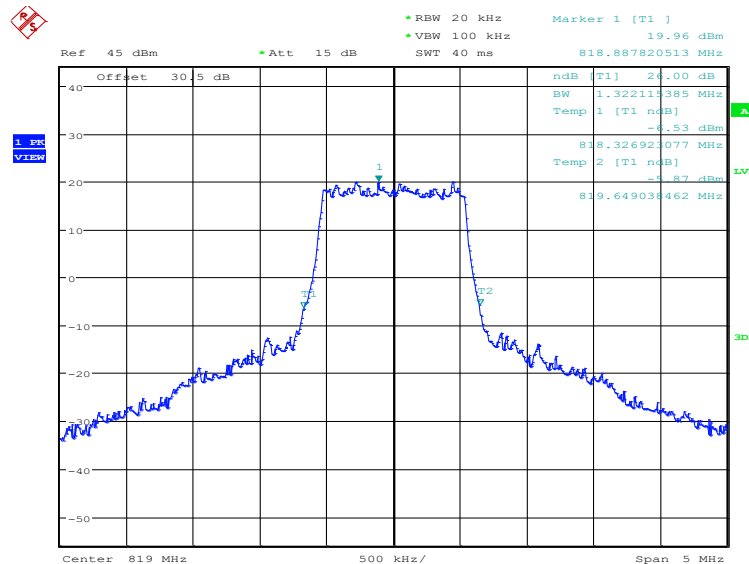
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	1322.12	1322.12

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



Date: 9.OCT.2024 11:24:03

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

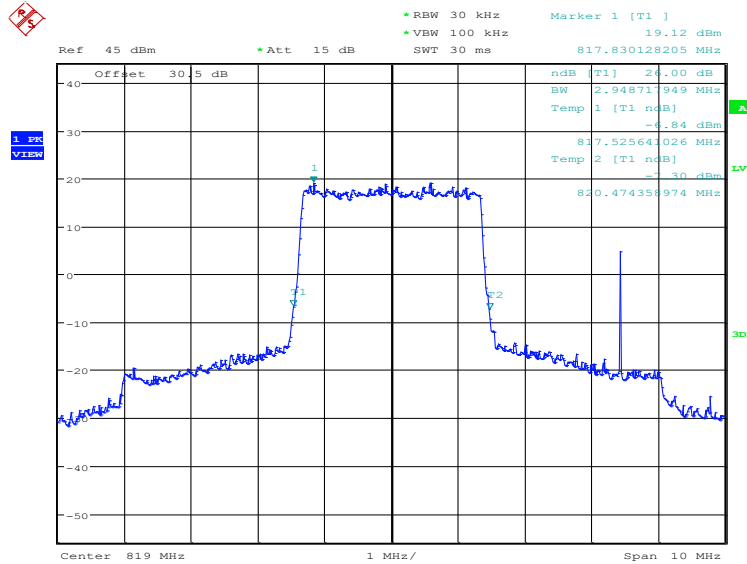


Date: 9.OCT.2024 11:24:44

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

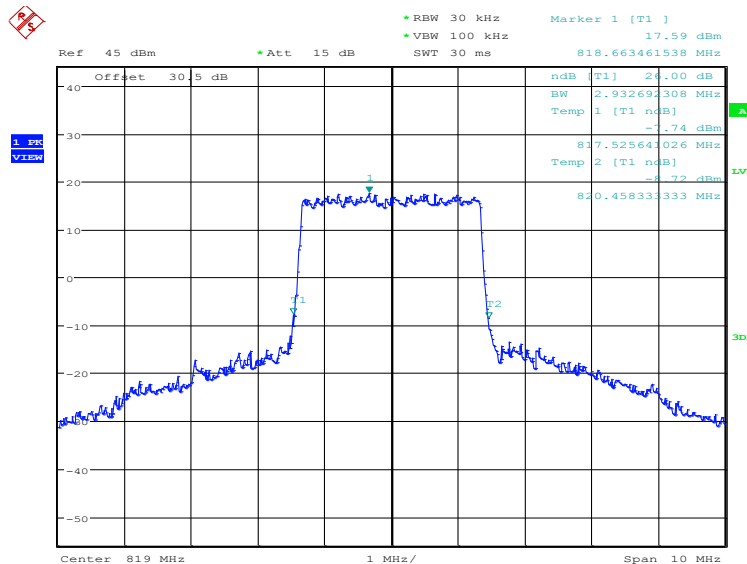
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	2948.72	2932.69

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



Date: 9.OCT.2024 11:25:27

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

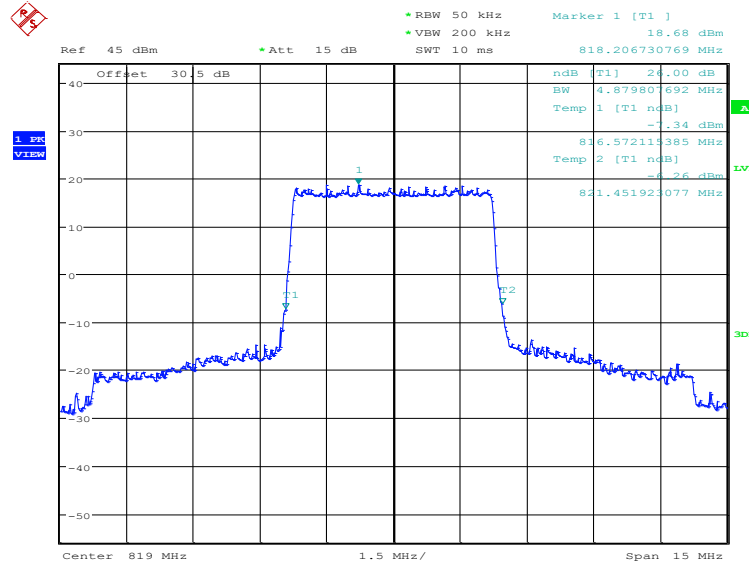


Date: 9.OCT.2024 11:26:07

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

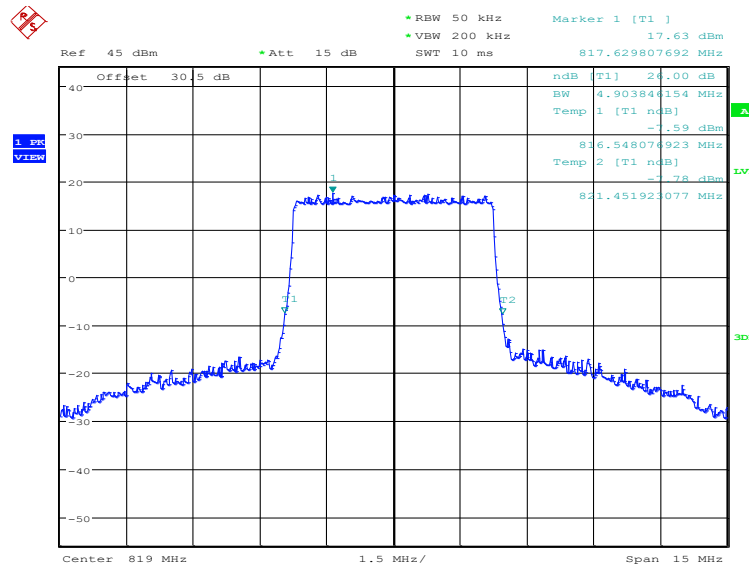
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	4879.81	4903.85

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



Date: 9.OCT.2024 11:26:50

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

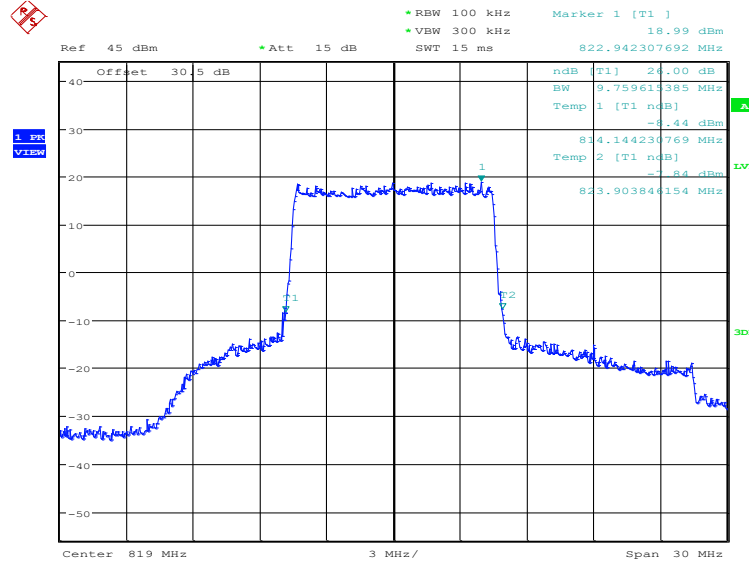


Date: 9.OCT.2024 11:27:31

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

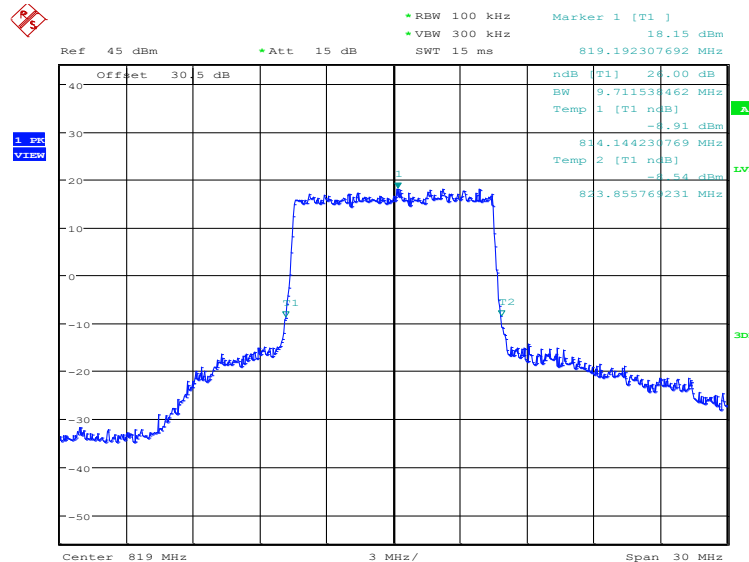
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	9759.62	9711.54

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



Date: 9.OCT.2024 11:28:13

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

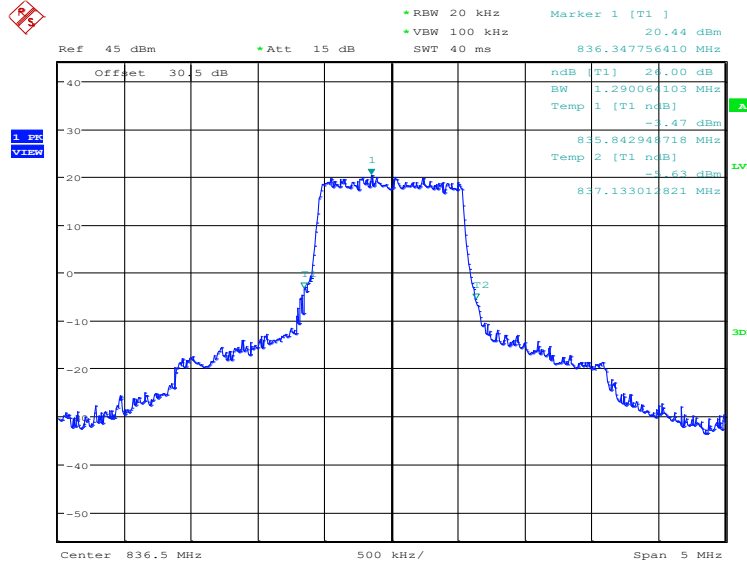


Date: 9.OCT.2024 11:28:54

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

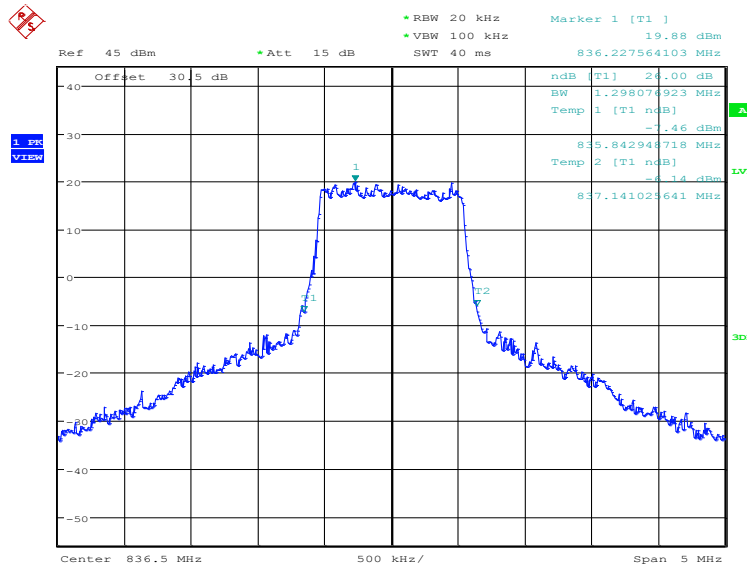
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	1290.06	1298.08

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



Date: 9.OCT.2024 11:16:27

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

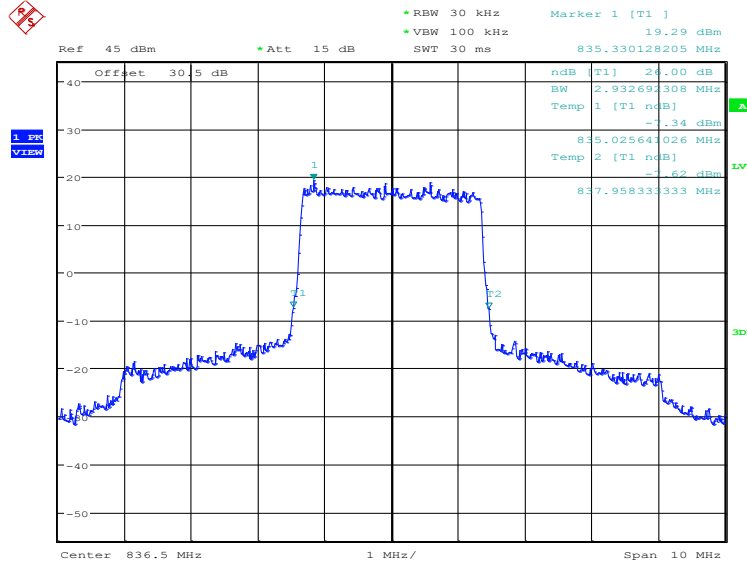


Date: 9.OCT.2024 11:17:07

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

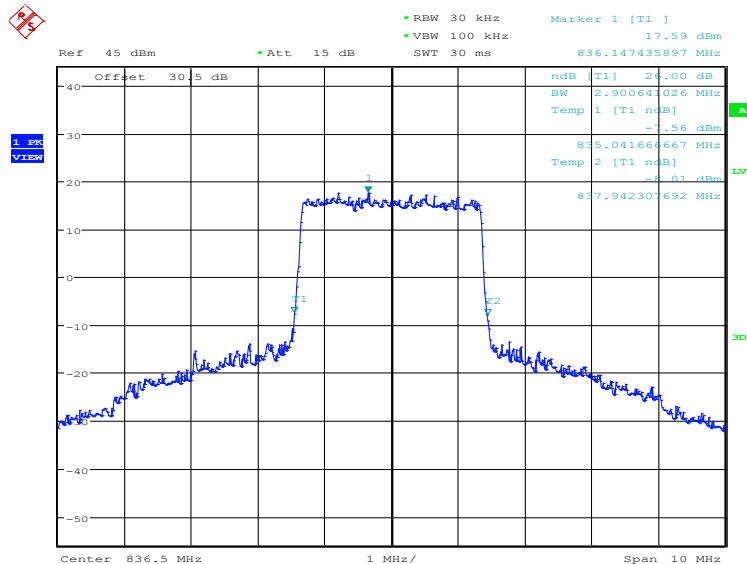
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	2932.69	2900.64

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



Date: 9.OCT.2024 11:17:50

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

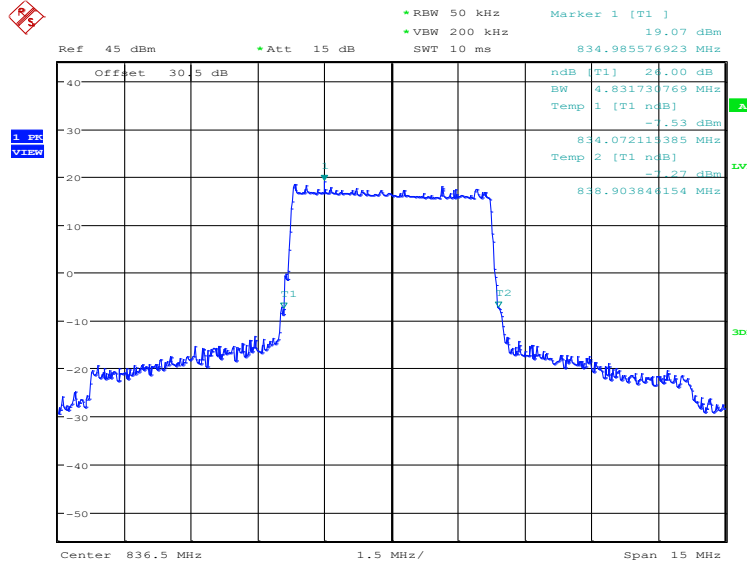


Date: 9.OCT.2024 11:18:30

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

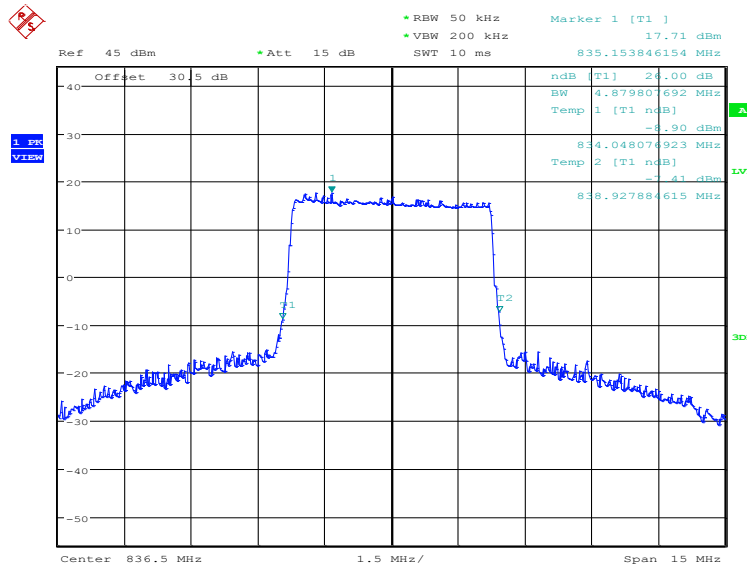
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	4831.73	4879.81

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



Date: 9.OCT.2024 11:19:13

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

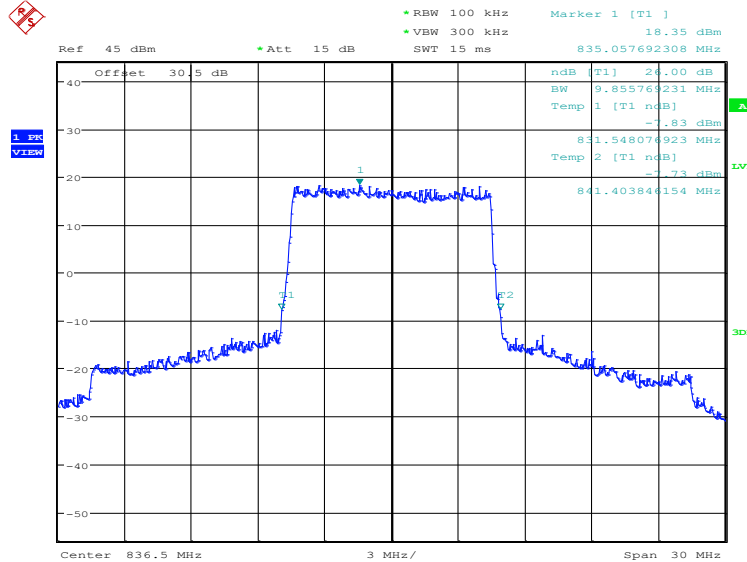


Date: 9.OCT.2024 11:19:53

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

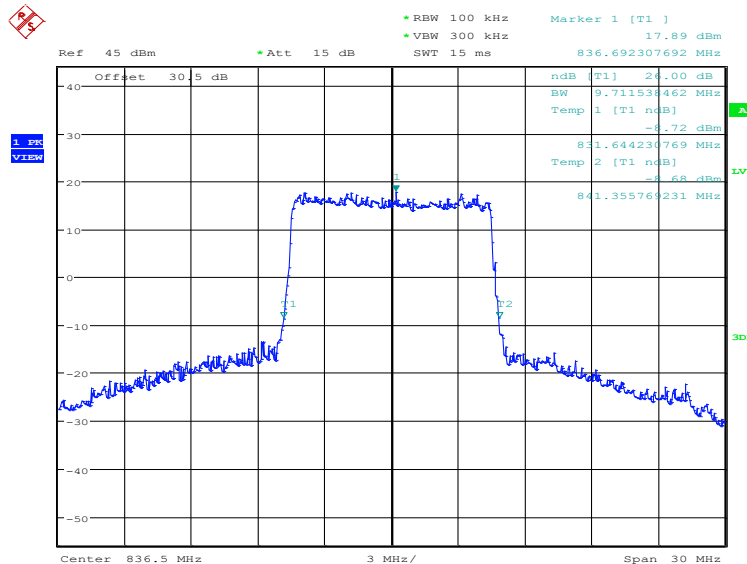
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	9855.77	9711.54

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



Date: 9.OCT.2024 11:20:36

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

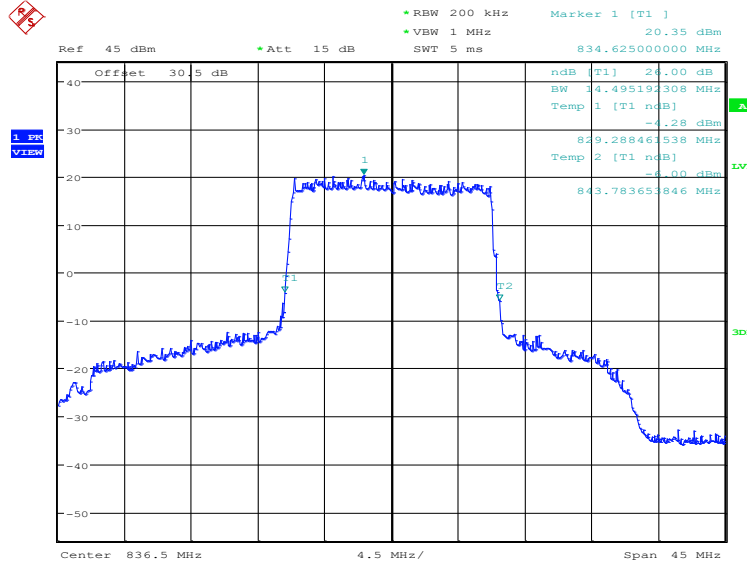


Date: 9.OCT.2024 11:21:17

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

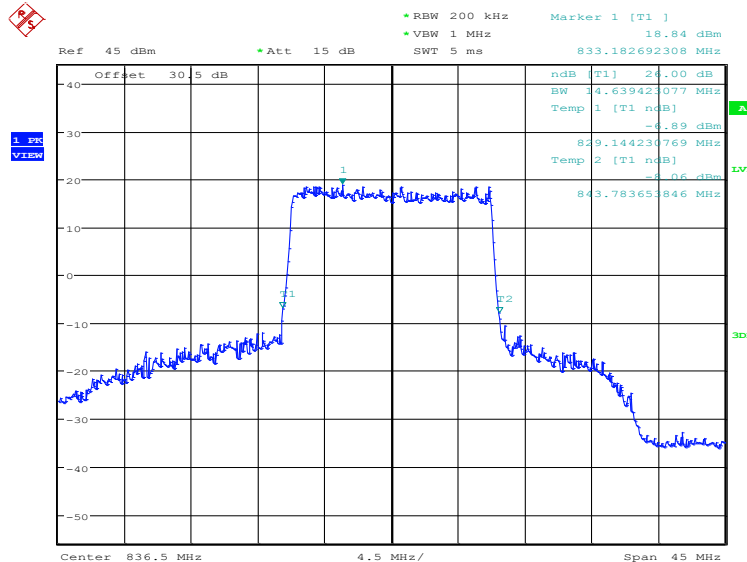
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	14495.19	14639.42

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



Date: 9.OCT.2024 11:21:59

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

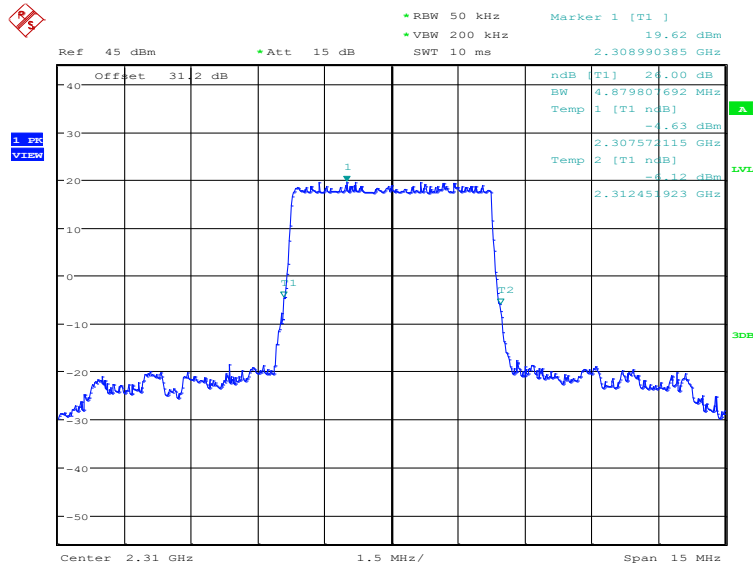


Date: 9.OCT.2024 11:22:40

LTE band 30, 5MHz (-26dBc)

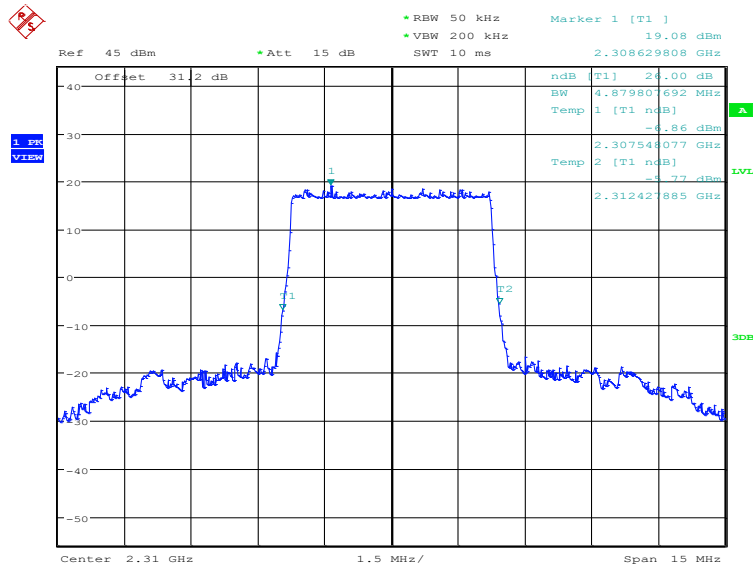
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2310.0	QPSK	16QAM
	4879.81	4879.81

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



Date: 9.OCT.2024 15:42:40

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

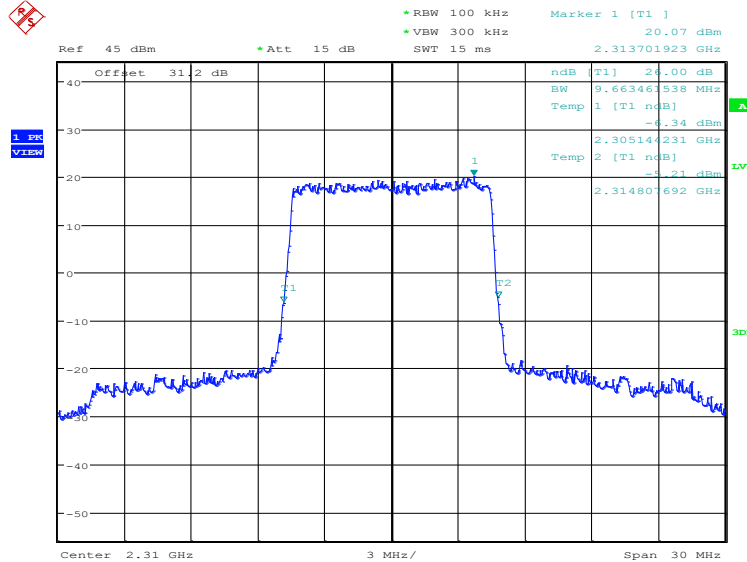


Date: 9.OCT.2024 15:43:20

LTE band 30, 10MHz (-26dBc)

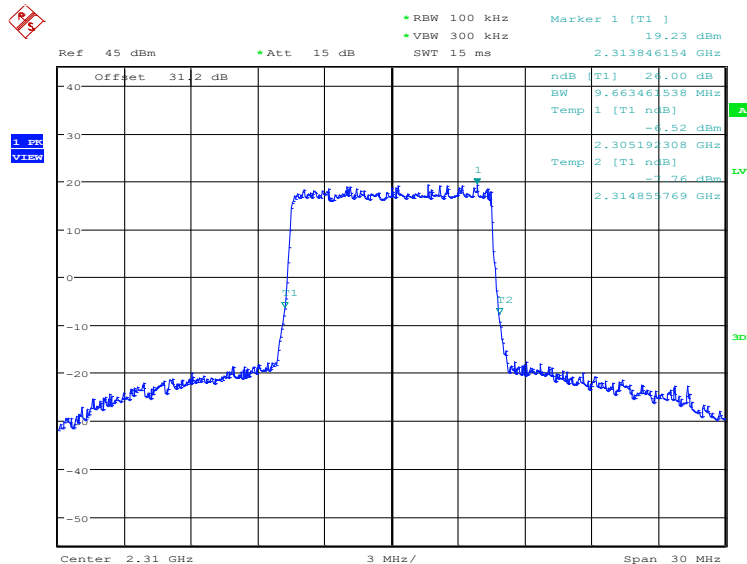
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2310.0	QPSK	16QAM
	9663.46	9663.46

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



Date: 9.OCT.2024 15:44:02

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

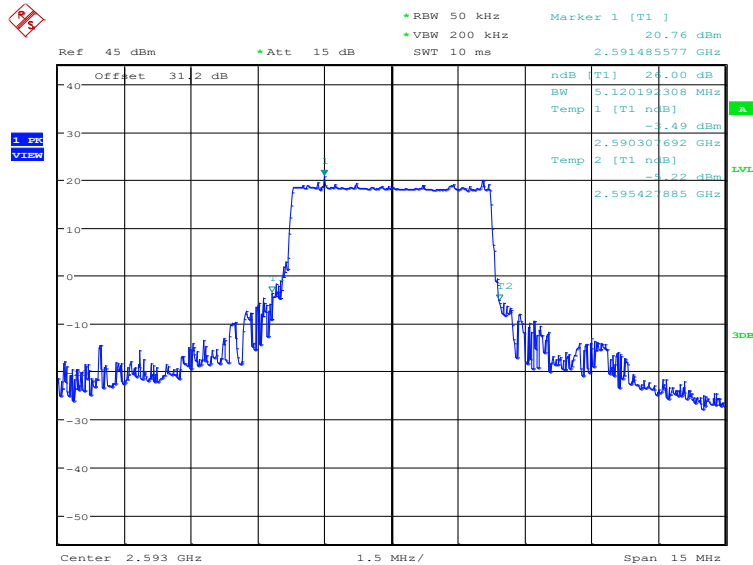


Date: 9.OCT.2024 15:44:42

LTE band 41, 5MHz (-26dBc)

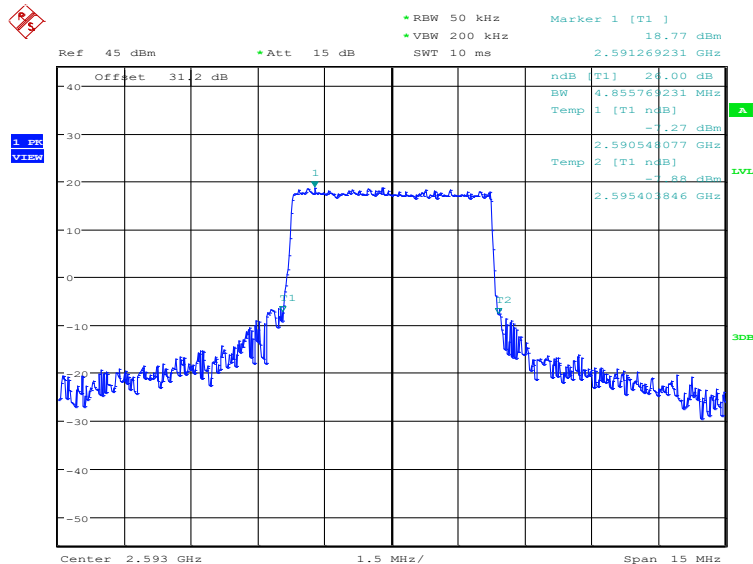
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	5120.19	4855.77

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



Date: 9.OCT.2024 14:33:02

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

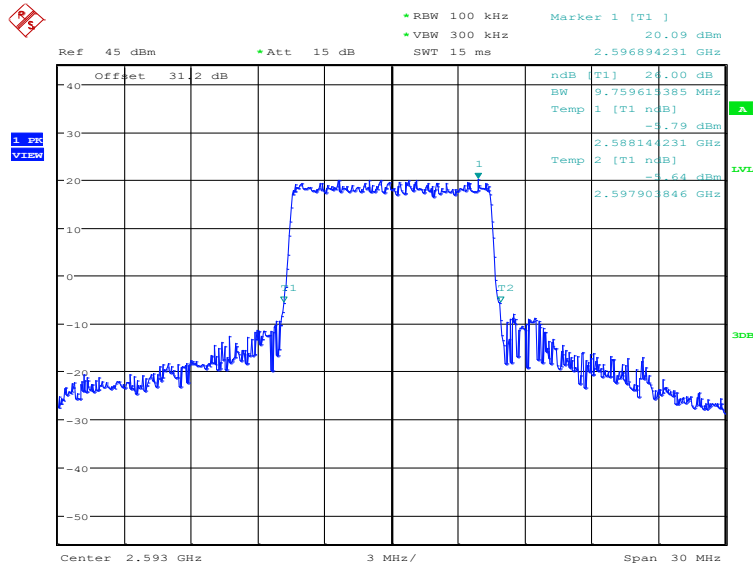


Date: 9.OCT.2024 14:33:42

LTE band 41, 10MHz (-26dBc)

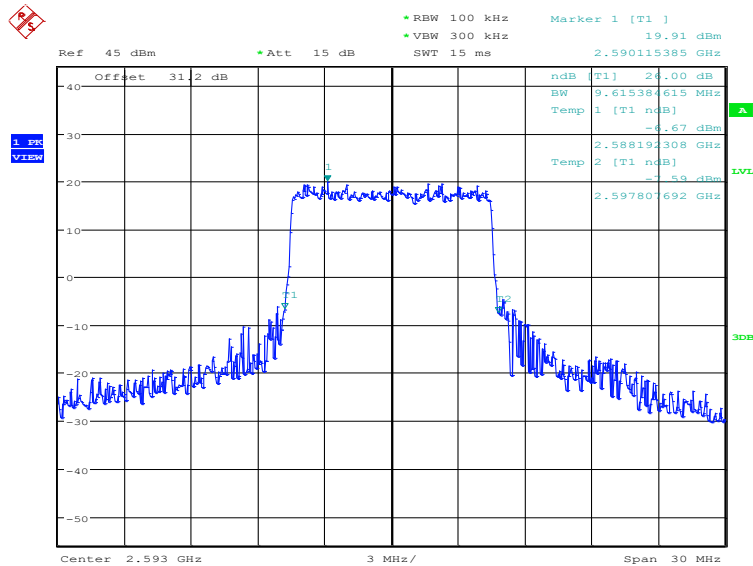
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	9759.62	9615.38

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



Date: 9.OCT.2024 14:34:25

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

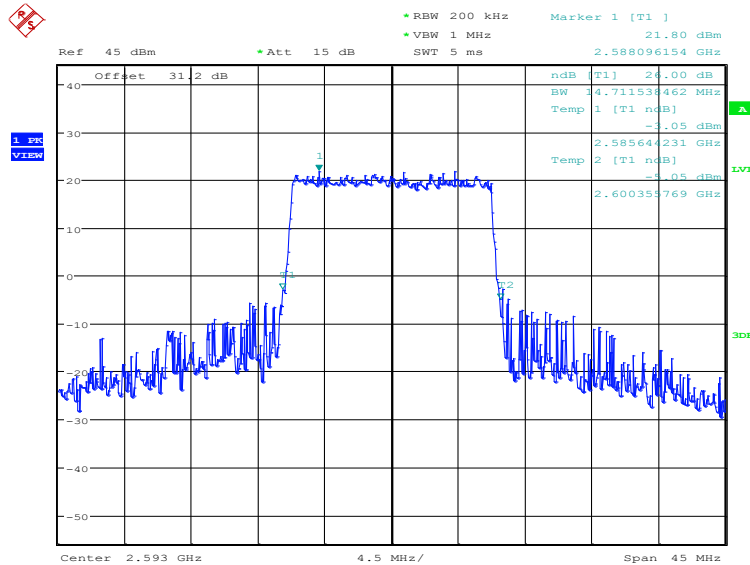


Date: 9.OCT.2024 14:35:05

LTE band 41, 15MHz (-26dBc)

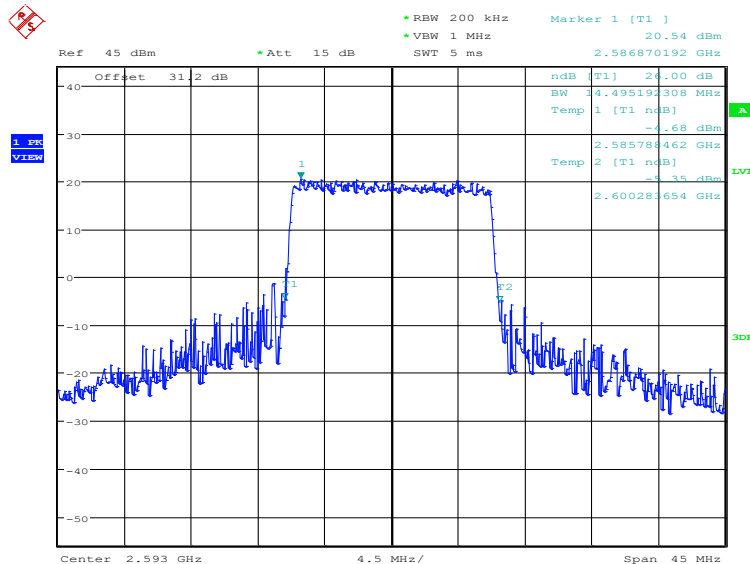
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	14711.54	14495.19

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



Date: 9.OCT.2024 14:35:47

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



Date: 9.OCT.2024 14:36:27