Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
20MHz/15MHz	2665.1	2682.2	64QAM	100	0	75	0	23.54
20MHz/15MHz	2665.1	2682.2	64QAM	1	99	1	0	24.5
20MHz/20MHz	2506	2525.8	QPSK	100	0	100	0	23.96
20MHz/20MHz	2506	2525.8	QPSK	1	99	1	0	25.68
20MHz/20MHz	2506	2525.8	16QAM	100	0	100	0	22.98
20MHz/20MHz	2506	2525.8	16QAM	1	99	1	0	24.76
20MHz/20MHz	2506	2525.8	64QAM	100	0	100	0	22.98
20MHz/20MHz	2506	2525.8	64QAM	1	99	1	0	23.75
20MHz/20MHz	2583.1	2602.9	QPSK	100	0	100	0	22.63
20MHz/20MHz	2583.1	2602.9	QPSK	1	99	1	0	25.52
20MHz/20MHz	2583.1	2602.9	16QAM	100	0	100	0	21.92
20MHz/20MHz	2583.1	2602.9	16QAM	1	99	1	0	24.55
20MHz/20MHz	2583.1	2602.9	64QAM	100	0	100	0	21.62
20MHz/20MHz	2583.1	2602.9	64QAM	1	99	1	0	22.61
20MHz/20MHz	2660.2	2680	QPSK	100	0	100	0	24.57
20MHz/20MHz	2660.2	2680	QPSK	1	99	1	0	26.5
20MHz/20MHz	2660.2	2680	16QAM	100	0	100	0	23.6
20MHz/20MHz	2660.2	2680	16QAM	1	99	1	0	25.46
20MHz/20MHz	2660.2	2680	64QAM	100	0	100	0	23.53
20MHz/20MHz	2660.2	2680	64QAM	1	99	1	0	24.52

LTE CA-42C- EIRP 27.50(k)(3)

Limits: ≤33 dBm (2W)

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP	ERP
				Size	Offset	Size	Offset		
5MHz/20MHz	3453.3	3465	QPSK	25	0	100	0	20.61	18.46
5MHz/20MHz	3453.3	3465	QPSK	1	24	1	0	20.84	18.69
5MHz/20MHz	3453.3	3465	16QAM	25	0	100	0	19.61	17.46
5MHz/20MHz	3453.3	3465	16QAM	1	24	1	0	21.98	19.83
5MHz/20MHz	3453.3	3465	64QAM	25	0	100	0	19.94	17.79
5MHz/20MHz	3453.3	3465	64QAM	1	24	1	0	21	18.85
5MHz/20MHz	3490.8	3502.5	QPSK	25	0	100	0	23.21	21.06
5MHz/20MHz	3490.8	3502.5	QPSK	1	24	1	0	25.38	23.23
5MHz/20MHz	3490.8	3502.5	16QAM	25	0	100	0	22.22	20.07
5MHz/20MHz	3490.8	3502.5	16QAM	1	24	1	0	24.45	22.3
5MHz/20MHz	3490.8	3502.5	64QAM	25	0	100	0	22.23	20.08
5MHz/20MHz	3490.8	3502.5	64QAM	1	24	1	0	23.42	21.27
5MHz/20MHz	3528.3	3540	QPSK	25	0	100	0	22.4	20.25
5MHz/20MHz	3528.3	3540	QPSK	1	24	1	0	24.15	22
5MHz/20MHz	3528.3	3540	16QAM	25	0	100	0	21.38	19.23
5MHz/20MHz	3528.3	3540	16QAM	1	24	1	0	23.13	20.98
5MHz/20MHz	3528.3	3540	64QAM	25	0	100	0	21.38	19.23
5MHz/20MHz	3528.3	3540	64QAM	1	24	1	0	22.16	20.01

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP	ERP
				Size	Offset	Size	Offset		
10MHz/20MHz	3455.5	3469.9	QPSK	50	0	100	0	20.96	18.81
10MHz/20MHz	3455.5	3469.9	QPSK	1	49	1	0	22.58	20.43
10MHz/20MHz	3455.5	3469.9	16QAM	50	0	100	0	19.92	17.77
10MHz/20MHz	3455.5	3469.9	16QAM	1	49	1	0	21.57	19.42
10MHz/20MHz	3455.5	3469.9	64QAM	50	0	100	0	19.93	17.78
10MHz/20MHz	3455.5	3469.9	64QAM	1	49	1	0	20.67	18.52
10MHz/20MHz	3490.6	3505	QPSK	50	0	100	0	23.12	20.97
10MHz/20MHz	3490.6	3505	QPSK	1	49	1	0	25.38	23.23
10MHz/20MHz	3490.6	3505	16QAM	50	0	100	0	22.12	19.97
10MHz/20MHz	3490.6	3505	16QAM	1	49	1	0	24.29	22.14
10MHz/20MHz	3490.6	3505	64QAM	50	0	100	0	22.14	19.99
10MHz/20MHz	3490.6	3505	64QAM	1	49	1	0	23.41	21.26
10MHz/20MHz	3525.6	3540	QPSK	50	0	100	0	22.34	20.19
10MHz/20MHz	3525.6	3540	QPSK	1	49	1	0	24.19	22.04
10MHz/20MHz	3525.6	3540	16QAM	50	0	100	0	21.37	19.22
10MHz/20MHz	3525.6	3540	16QAM	1	49	1	0	23.21	21.06
10MHz/20MHz	3525.6	3540	64QAM	50	0	100	0	21.33	19.18
10MHz/20MHz	3525.6	3540	64QAM	1	49	1	0	22.2	20.05
15MHz/20MHz	3457.8	3474.9	QPSK	75	0	100	0	21.27	19.12
15MHz/20MHz	3457.8	3474.9	QPSK	1	74	1	0	22.5	20.35
15MHz/20MHz	3457.8	3474.9	16QAM	75	0	100	0	20.26	18.11
15MHz/20MHz	3457.8	3474.9	16QAM	1	74	1	0	21.4	19.25
15MHz/20MHz	3457.8	3474.9	64QAM	75	0	100	0	20.28	18.13
15MHz/20MHz	3457.8	3474.9	64QAM	1	74	1	0	20.55	18.4
15MHz/20MHz	3490.3	3507.4	QPSK	75	0	100	0	22.96	20.81
15MHz/20MHz	3490.3	3507.4	QPSK	1	74	1	0	25.18	23.03
15MHz/20MHz	3490.3	3507.4	16QAM	75	0	100	0	22.15	20
15MHz/20MHz	3490.3	3507.4	16QAM	1	74	1	0	24.27	22.12
15MHz/20MHz	3490.3	3507.4	64QAM	75	0	100	0	22.17	20.02
15MHz/20MHz	3490.3	3507.4	64QAM	1	74	1	0	23.37	21.22
15MHz/20MHz	3522.9	3540	QPSK	75	0	100	0	22.3	20.15
15MHz/20MHz	3522.9	3540	QPSK	1	74	1	0	24.57	22.42
15MHz/20MHz	3522.9	3540	16QAM	75	0	100	0	21.51	19.36
15MHz/20MHz	3522.9	3540	16QAM	1	74	1	0	23.38	21.23
15MHz/20MHz	3522.9	3540	64QAM	75	0	100	0	21.51	19.36
15MHz/20MHz	3522.9	3540	64QAM	1	74	1	0	22.21	20.06
20MHz/5MHz	3460	3471.7	QPSK	100	0	25	0	20.87	18.72
20MHz/5MHz	3460	3471.7	QPSK	1	99	1	0	22.65	20.5
20MHz/5MHz	3460	3471.7	16QAM	100	0	25	0	19.84	17.69
20MHz/5MHz	3460	3471.7	16QAM	1	99	1	0	21.27	19.12
20MHz/5MHz	3460	3471.7	64QAM	100	0	25	0	19.89	17.74
20MHz/5MHz	3460	3471.7	64QAM	1	99	1	0	20.45	18.3

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP	ERP
				Size	Offset	Size	Offset		
20MHz/5MHz	3497.5	3509.2	QPSK	100	0	25	0	22.37	20.22
20MHz/5MHz	3497.5	3509.2	QPSK	1	99	1	0	24.24	22.09
20MHz/5MHz	3497.5	3509.2	16QAM	100	0	25	0	21.43	19.28
20MHz/5MHz	3497.5	3509.2	16QAM	1	99	1	0	23.09	20.94
20MHz/5MHz	3497.5	3509.2	64QAM	100	0	25	0	21.49	19.34
20MHz/5MHz	3497.5	3509.2	64QAM	1	99	1	0	22.18	20.03
20MHz/5MHz	3535	3546.7	QPSK	100	0	25	0	22.93	20.78
20MHz/5MHz	3535	3546.7	QPSK	1	99	1	0	24.83	22.68
20MHz/5MHz	3535	3546.7	16QAM	100	0	25	0	21.86	19.71
20MHz/5MHz	3535	3546.7	16QAM	1	99	1	0	23.84	21.69
20MHz/5MHz	3535	3546.7	64QAM	100	0	25	0	21.84	19.69
20MHz/5MHz	3535	3546.7	64QAM	1	99	1	0	22.76	20.61
20MHz/10MHz	3460	3474.4	QPSK	100	0	50	0	21.17	19.02
20MHz/10MHz	3460	3474.4	QPSK	1	99	1	0	22.92	20.77
20MHz/10MHz	3460	3474.4	16QAM	100	0	50	0	20.14	17.99
20MHz/10MHz	3460	3474.4	16QAM	1	99	1	0	21.55	19.4
20MHz/10MHz	3460	3474.4	64QAM	100	0	50	0	20.15	18
20MHz/10MHz	3460	3474.4	64QAM	1	99	1	0	20.9	18.75
20MHz/10MHz	3495.1	3509.5	QPSK	100	0	50	0	22.75	20.6
20MHz/10MHz	3495.1	3509.5	QPSK	1	99	1	0	24.59	22.44
20MHz/10MHz	3495.1	3509.5	16QAM	100	0	50	0	21.82	19.67
20MHz/10MHz	3495.1	3509.5	16QAM	1	99	1	0	23.56	21.41
20MHz/10MHz	3495.1	3509.5	64QAM	100	0	50	0	21.78	19.63
20MHz/10MHz	3495.1	3509.5	64QAM	1	99	1	0	22.66	20.51
20MHz/10MHz	3530.1	3544.5	QPSK	100	0	50	0	22.8	20.65
20MHz/10MHz	3530.1	3544.5	QPSK	1	99	1	0	24.68	22.53
20MHz/10MHz	3530.1	3544.5	16QAM	100	0	50	0	21.66	19.51
20MHz/10MHz	3530.1	3544.5	16QAM	1	99	1	0	23.72	21.57
20MHz/10MHz	3530.1	3544.5	64QAM	100	0	50	0	21.52	19.37
20MHz/10MHz	3530.1	3544.5	64QAM	1	99	1	0	22.38	20.23
20MHz/15MHz	3460	3477.1	QPSK	100	0	75	0	21.32	19.17
20MHz/15MHz	3460	3477.1	QPSK	1	99	1	0	22.45	20.3
20MHz/15MHz	3460	3477.1	16QAM	100	0	75	0	20.33	18.18
20MHz/15MHz	3460	3477.1	16QAM	1	99	1	0	21.48	19.33
20MHz/15MHz	3460	3477.1	64QAM	100	0	75	0	20.35	18.2
20MHz/15MHz	3460	3477.1	64QAM	1	99	1	0	20.57	18.42
20MHz/15MHz	3492.6	3509.7	QPSK	100	0	75	0	22.71	20.56
20MHz/15MHz	3492.6	3509.7	QPSK	1	99	1	0	24.66	22.51
20MHz/15MHz	3492.6	3509.7	16QAM	100	0	75	0	21.72	19.57
20MHz/15MHz	3492.6	3509.7	16QAM	1	99	1	0	23.83	21.68
20MHz/15MHz	3492.6	3509.7	64QAM	100	0	75	0	21.75	19.6
20MHz/15MHz	3492.6	3509.7	64QAM	1	99	1	0	22.73	20.58

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP	ERP
				Size	Offset	Size	Offset		
20MHz/15MHz	3525.1	3542.2	QPSK	100	0	75	0	22.24	20.09
20MHz/15MHz	3525.1	3542.2	QPSK	1	99	1	0	24.55	22.4
20MHz/15MHz	3525.1	3542.2	16QAM	100	0	75	0	21.43	19.28
20MHz/15MHz	3525.1	3542.2	16QAM	1	99	1	0	23.61	21.46
20MHz/15MHz	3525.1	3542.2	64QAM	100	0	75	0	21.38	19.23
20MHz/15MHz	3525.1	3542.2	64QAM	1	99	1	0	22.46	20.31
20MHz/20MHz	3460	3479.8	QPSK	100	0	100	0	21.59	19.44
20MHz/20MHz	3460	3479.8	QPSK	1	99	1	0	22.61	20.46
20MHz/20MHz	3460	3479.8	16QAM	100	0	100	0	20.59	18.44
20MHz/20MHz	3460	3479.8	16QAM	1	99	1	0	21.5	19.35
20MHz/20MHz	3460	3479.8	64QAM	100	0	100	0	20.59	18.44
20MHz/20MHz	3460	3479.8	64QAM	1	99	1	0	20.76	18.61
20MHz/20MHz	3490.1	3509.9	QPSK	100	0	100	0	22.73	20.58
20MHz/20MHz	3490.1	3509.9	QPSK	1	99	1	0	24.87	22.72
20MHz/20MHz	3490.1	3509.9	16QAM	100	0	100	0	21.7	19.55
20MHz/20MHz	3490.1	3509.9	16QAM	1	99	1	0	23.81	21.66
20MHz/20MHz	3490.1	3509.9	64QAM	100	0	100	0	21.73	19.58
20MHz/20MHz	3490.1	3509.9	64QAM	1	99	1	0	22.94	20.79
20MHz/20MHz	3520.2	3540	QPSK	100	0	100	0	22.47	20.32
20MHz/20MHz	3520.2	3540	QPSK	1	99	1	0	24.56	22.41
20MHz/20MHz	3520.2	3540	16QAM	100	0	100	0	21.55	19.4
20MHz/20MHz	3520.2	3540	16QAM	1	99	1	0	23.63	21.48
20MHz/20MHz	3520.2	3540	64QAM	100	0	100	0	21.57	19.42
20MHz/20MHz	3520.2	3540	64QAM	1	99	1	0	22.56	20.41

LTE CA-43C- EIRP 27.50(j)(3)*

Limits: ≤33 dBm (2W)

CA_43C	PCC	PCC	SCC	SCC	PCC RB		SCC1 RB		Conducted Power (dBm)		
	Frequency (MHz)	channel	Frequency (MHz)	channel	Size	Offset	Size	Offset	QPSK	16QAM	64QAM
5MHz+20MHz	3702.5	44615	3714.2	44732	1	24	1	0	22.91	22.47	21.09
					25	0	100	0	21.02	20.09	20.06
	3750	45090	3761.7	45207	1	24	1	0	23.17	22.67	21.44
					25	0	100	0	21.27	20.29	20.2
	3778.3	45373	3790	45490	1	24	1	0	23.03	22.64	21.25
					25	0	100	0	21.2	20.23	20.2
10MHz+15MHz	3705	44640	3717	44760	1	49	1	0	22.82	22.22	21.15
					50	0	75	0	20.92	19.87	19.95
	3750	45090	3762	45210	1	49	1	0	23.02	22.56	21.4
					50	0	75	0	21.03	20.01	19.94
	3780.5	45395	3792.5	45515	1	49	1	0	22.85	22.19	21.5
					50	0	75	0	20.97	20.02	19.96

CA_43C	PCC	PCC	SCC	SCC	PCC RB		SCC1 RB		Conducted Power (dBm)		
	Frequency (MHz)	channel	Frequency (MHz)	channel	Size	Offset	Size	Offset	QPSK	16QAM	64QAM
10MHz+20MHz	3705	44640	3719.4	44784	1	49	1	0	22.63	22.46	21.39
					50	0	100	0	20.87	19.97	19.98
	3750	45090	3764.4	45234	1	49	1	0	22.97	22.33	21.5
					50	0	100	0	21.14	20.17	20.12
	3775.6	45346	3790	45490	1	49	1	0	22.93	22.37	21.52
					50	0	100	0	21.09	20.16	20.13
15MHz+10MHz	3707.5	44665	3719.5	44785	1	74	1	0	22.82	22.29	21.4
					75	0	50	0	20.94	19.97	19.9
	3750	45090	3762	45210	1	74	1	0	22.83	22.33	21.49
					75	0	50	0	20.92	19.91	20.05
	3783	45420	3795	45540	1	74	1	0	22.64	22.13	21.23
					75	0	50	0	20.76	19.84	19.78
15MHz+15MHz	3707.5	44665	3722.5	44815	1	74	1	0	22.54	22.12	21.06
					75	0	75	0	20.92	19.69	19.65
	3750	45090	3765	45240	1	74	1	0	22.78	21.69	21.36
					75	0	75	0	20.94	20.02	20.06
	3777.5	45365	3792.5	45515	1	74	1	0	22.66	22.17	21.14
					75	0	75	0	20.89	19.89	19.93
15MHz+20MHz	3707.5	44665	3724.6	44836	1	74	1	0	22.87	22.36	21.28
					75	0	100	0	21.05	20.04	20.03
	3750	45090	3767.1	45261	1	74	1	0	22.91	22.61	21.37
					75	0	100	0	21.26	20.28	20.29
	3772.9	45319	3790	45490	1	74	1	0	22.9	22.53	21.59
					75	0	100	0	21.14	20.19	20.13
20MHz+5MHz	3710	44690	3721.7	44807	1	99	1	0	22.81	22.25	21.36
					100	0	25	0	20.99	19.94	19.91
	3747.5	45065	3759.2	45182	1	99	1	0	23.02	22.36	21.53
					100	0	25	0	21.24	20.19	20.18
	3785	45440	3796.7	45557	1	99	1	0	22.93	22.52	21.43
					100	0	25	0	21.05	20.13	20.04
20MHz+10MHz	3710	44690	3724.4	44834	1	99	1	0	22.82	22.47	21.43
					100	0	50	0	20.99	19.98	19.94
	3747.5	45065	3761.9	45209	1	99	1	0	22.92	21.46	21.33
					100	0	50	0	21.15	20.19	20.15
	3780.6	45396	3795	45540	1	99	1	0	22.86	22.22	21.24
					100	0	50	0	20.19	20.13	20.14
20MHz+15MHz	3710	44690	3727.1	44861	1	99	1	0	22.77	22.49	21.34
					100	0	75	0	20.97	20.04	20.03
	3740.1	44991	3757.2	45162	1	99	1	0	22.94	22.5	21.27
					100	0	75	0	21.14	20.21	20.19
	3775.4	45344	3792.5	45515	1	99	1	0	22.85	22.47	21.26

CA_43C	PCC Frequency (MHz)	PCC channel	SCC Frequency (MHz)	SCC channel	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Power (dBm) QPSK	16QAM	64QAM
					100	0	75	0	21.11	20.07	19.51
20MHz+20MHz	3710	44690	3729.8	44888	1	99	1	0	22.79	22.3	21.29
					100	0	100	0	21.03	20.07	19.96
	3740.1	44991	3759.9	45189	1	99	1	0	22.94	22.39	21.5
					100	0	100	0	21.13	20.22	20.21
	3770.2	45292	3790	45490	1	99	1	0	22.89	22.21	21.3
					100	0	100	0	21.08	20.09	20.03

LTE CA-66C - EIRP 27.50(d)

Limits: ≤30 dBm (1W)

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB Size	PCC RB Offset	SCC RB Size	SCC RB Offset	EIRP
5MHz/5MHz	1712.5	1717.3	QPSK	25	0	25	0	23.64
5MHz/5MHz	1712.5	1717.3	QPSK	1	24	1	0	25.59
5MHz/5MHz	1712.5	1717.3	16QAM	25	0	25	0	22.76
5MHz/5MHz	1712.5	1717.3	16QAM	1	24	1	0	24.72
5MHz/5MHz	1712.5	1717.3	64QAM	25	0	25	0	22.7
5MHz/5MHz	1712.5	1717.3	64QAM	1	24	1	0	23.7
5MHz/5MHz	1752.6	1757.4	QPSK	25	0	25	0	23.91
5MHz/5MHz	1752.6	1757.4	QPSK	1	24	1	0	25.9
5MHz/5MHz	1752.6	1757.4	16QAM	25	0	25	0	22.93
5MHz/5MHz	1752.6	1757.4	16QAM	1	24	1	0	24.86
5MHz/5MHz	1752.6	1757.4	64QAM	25	0	25	0	22.91
5MHz/5MHz	1752.6	1757.4	64QAM	1	24	1	0	23.88
5MHz/5MHz	1772.7	1777.5	QPSK	25	0	25	0	23.84
5MHz/5MHz	1772.7	1777.5	QPSK	1	24	1	0	25.82
5MHz/5MHz	1772.7	1777.5	16QAM	25	0	25	0	22.88
5MHz/5MHz	1772.7	1777.5	16QAM	1	24	1	0	24.77
5MHz/5MHz	1772.7	1777.5	64QAM	25	0	25	0	22.87
5MHz/5MHz	1772.7	1777.5	64QAM	1	24	1	0	23.82
5MHz/10MHz	1712.8	1720	QPSK	25	0	50	0	23.55
5MHz/10MHz	1712.8	1720	QPSK	1	24	1	0	25.57
5MHz/10MHz	1712.8	1720	16QAM	25	0	50	0	22.49
5MHz/10MHz	1712.8	1720	16QAM	1	24	1	0	24.56
5MHz/10MHz	1712.8	1720	64QAM	25	0	50	0	22.56
5MHz/10MHz	1712.8	1720	64QAM	1	24	1	0	23.54
5MHz/10MHz	1750.3	1757.5	QPSK	25	0	50	0	23.75
5MHz/10MHz	1750.3	1757.5	QPSK	1	24	1	0	25.7
5MHz/10MHz	1750.3	1757.5	16QAM	25	0	50	0	22.73
5MHz/10MHz	1750.3	1757.5	16QAM	1	24	1	0	24.67

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
5MHz/10MHz	1750.3	1757.5	64QAM	25	0	50	0	22.72
5MHz/10MHz	1750.3	1757.5	64QAM	1	24	1	0	23.63
5MHz/10MHz	1767.8	1775	QPSK	25	0	50	0	23.81
5MHz/10MHz	1767.8	1775	QPSK	1	24	1	0	25.79
5MHz/10MHz	1767.8	1775	16QAM	25	0	50	0	22.8
5MHz/10MHz	1767.8	1775	16QAM	1	24	1	0	24.79
5MHz/10MHz	1767.8	1775	64QAM	25	0	50	0	22.81
5MHz/10MHz	1767.8	1775	64QAM	1	24	1	0	23.75
5MHz/15MHz	1713	1722.3	QPSK	25	0	75	0	23.48
5MHz/15MHz	1713	1722.3	QPSK	1	24	1	0	25.55
5MHz/15MHz	1713	1722.3	16QAM	25	0	75	0	22.49
5MHz/15MHz	1713	1722.3	16QAM	1	24	1	0	24.57
5MHz/15MHz	1713	1722.3	64QAM	25	0	75	0	22.53
5MHz/15MHz	1713	1722.3	64QAM	1	24	1	0	23.55
5MHz/15MHz	1748.1	1757.4	QPSK	25	0	75	0	23.68
5MHz/15MHz	1748.1	1757.4	QPSK	1	24	1	0	25.6
5MHz/15MHz	1748.1	1757.4	16QAM	25	0	75	0	22.7
5MHz/15MHz	1748.1	1757.4	16QAM	1	24	1	0	24.62
5MHz/15MHz	1748.1	1757.4	64QAM	25	0	75	0	22.71
5MHz/15MHz	1748.1	1757.4	64QAM	1	24	1	0	23.61
5MHz/15MHz	1763.2	1772.5	QPSK	25	0	75	0	23.81
5MHz/15MHz	1763.2	1772.5	QPSK	1	24	1	0	25.85
5MHz/15MHz	1763.2	1772.5	16QAM	25	0	75	0	22.81
5MHz/15MHz	1763.2	1772.5	16QAM	1	24	1	0	24.76
5MHz/15MHz	1763.2	1772.5	64QAM	25	0	75	0	22.82
5MHz/15MHz	1763.2	1772.5	64QAM	1	24	1	0	23.8
5MHz/20MHz	1713.3	1725	QPSK	25	0	100	0	23.48
5MHz/20MHz	1713.3	1725	QPSK	1	24	1	0	25.44
5MHz/20MHz	1713.3	1725	16QAM	25	0	100	0	22.48
5MHz/20MHz	1713.3	1725	16QAM	1	24	1	0	24.44
5MHz/20MHz	1713.3	1725	64QAM	25	0	100	0	22.51
5MHz/20MHz	1713.3	1725	64QAM	1	24	1	0	23.22
5MHz/20MHz	1745.8	1757.5	QPSK	25	0	100	0	23.68
5MHz/20MHz	1745.8	1757.5	QPSK	1	24	1	0	25.55
5MHz/20MHz	1745.8	1757.5	16QAM	25	0	100	0	22.69
5MHz/20MHz	1745.8	1757.5	16QAM	1	24	1	0	24.57
5MHz/20MHz	1745.8	1757.5	64QAM	25	0	100	0	22.68
5MHz/20MHz	1745.8	1757.5	64QAM	1	24	1	0	23.62
5MHz/20MHz	1758.3	1770	QPSK	25	0	100	0	23.91
5MHz/20MHz	1758.3	1770	QPSK	1	24	1	0	25.87
5MHz/20MHz	1758.3	1770	16QAM	25	0	100	0	22.89
5MHz/20MHz	1758.3	1770	16QAM	1	24	1	0	24.9

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
5MHz/20MHz	1758.3	1770	64QAM	25	0	100	0	22.87
5MHz/20MHz	1758.3	1770	64QAM	1	24	1	0	23.97
10MHz/5MHz	1715	1722.2	QPSK	50	0	25	0	23.47
10MHz/5MHz	1715	1722.2	QPSK	1	49	1	0	25.38
10MHz/5MHz	1715	1722.2	16QAM	50	0	25	0	22.47
10MHz/5MHz	1715	1722.2	16QAM	1	49	1	0	24.3
10MHz/5MHz	1715	1722.2	64QAM	50	0	25	0	22.49
10MHz/5MHz	1715	1722.2	64QAM	1	49	1	0	23.49
10MHz/5MHz	1752.5	1759.7	QPSK	50	0	25	0	23.76
10MHz/5MHz	1752.5	1759.7	QPSK	1	49	1	0	25.74
10MHz/5MHz	1752.5	1759.7	16QAM	50	0	25	0	22.76
10MHz/5MHz	1752.5	1759.7	16QAM	1	49	1	0	24.67
10MHz/5MHz	1752.5	1759.7	64QAM	50	0	25	0	22.8
10MHz/5MHz	1752.5	1759.7	64QAM	1	49	1	0	23.84
10MHz/5MHz	1770	1777.2	QPSK	50	0	25	0	23.72
10MHz/5MHz	1770	1777.2	QPSK	1	49	1	0	25.67
10MHz/5MHz	1770	1777.2	16QAM	50	0	25	0	22.77
10MHz/5MHz	1770	1777.2	16QAM	1	49	1	0	24.57
10MHz/5MHz	1770	1777.2	64QAM	50	0	25	0	22.75
10MHz/5MHz	1770	1777.2	64QAM	1	49	1	0	23.81
10MHz/10MHz	1715	1724.9	QPSK	50	0	50	0	23.42
10MHz/10MHz	1715	1724.9	QPSK	1	49	1	0	25.29
10MHz/10MHz	1715	1724.9	16QAM	50	0	50	0	22.43
10MHz/10MHz	1715	1724.9	16QAM	1	49	1	0	24.3
10MHz/10MHz	1715	1724.9	64QAM	50	0	50	0	22.43
10MHz/10MHz	1715	1724.9	64QAM	1	49	1	0	23.38
10MHz/10MHz	1750.1	1760	QPSK	50	0	50	0	23.74
10MHz/10MHz	1750.1	1760	QPSK	1	49	1	0	25.66
10MHz/10MHz	1750.1	1760	16QAM	50	0	50	0	22.75
10MHz/10MHz	1750.1	1760	16QAM	1	49	1	0	24.56
10MHz/10MHz	1750.1	1760	64QAM	50	0	50	0	22.76
10MHz/10MHz	1750.1	1760	64QAM	1	49	1	0	23.68
10MHz/10MHz	1765.1	1775	QPSK	50	0	50	0	23.8
10MHz/10MHz	1765.1	1775	QPSK	1	49	1	0	25.7
10MHz/10MHz	1765.1	1775	16QAM	50	0	50	0	22.8
10MHz/10MHz	1765.1	1775	16QAM	1	49	1	0	24.64
10MHz/10MHz	1765.1	1775	64QAM	50	0	50	0	22.78
10MHz/10MHz	1765.1	1775	64QAM	1	49	1	0	23.73
10MHz/15MHz	1715.3	1727.3	QPSK	50	0	75	0	23.42
10MHz/15MHz	1715.3	1727.3	QPSK	1	49	1	0	25.4
10MHz/15MHz	1715.3	1727.3	16QAM	50	0	75	0	22.44
10MHz/15MHz	1715.3	1727.3	16QAM	1	49	1	0	24.42

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
10MHz/15MHz	1715.3	1727.3	64QAM	50	0	75	0	22.45
10MHz/15MHz	1715.3	1727.3	64QAM	1	49	1	0	23.27
10MHz/15MHz	1747.9	1759.9	QPSK	50	0	75	0	23.73
10MHz/15MHz	1747.9	1759.9	QPSK	1	49	1	0	25.7
10MHz/15MHz	1747.9	1759.9	16QAM	50	0	75	0	22.73
10MHz/15MHz	1747.9	1759.9	16QAM	1	49	1	0	24.65
10MHz/15MHz	1747.9	1759.9	64QAM	50	0	75	0	22.75
10MHz/15MHz	1747.9	1759.9	64QAM	1	49	1	0	23.81
10MHz/15MHz	1760.5	1772.5	QPSK	50	0	75	0	23.89
10MHz/15MHz	1760.5	1772.5	QPSK	1	49	1	0	25.85
10MHz/15MHz	1760.5	1772.5	16QAM	50	0	75	0	22.85
10MHz/15MHz	1760.5	1772.5	16QAM	1	49	1	0	24.78
10MHz/15MHz	1760.5	1772.5	64QAM	50	0	75	0	22.86
10MHz/15MHz	1760.5	1772.5	64QAM	1	49	1	0	23.88
10MHz/20MHz	1715.5	1729.9	QPSK	50	0	100	0	23.44
10MHz/20MHz	1715.5	1729.9	QPSK	1	49	1	0	25.4
10MHz/20MHz	1715.5	1729.9	16QAM	50	0	100	0	22.43
10MHz/20MHz	1715.5	1729.9	16QAM	1	49	1	0	24.38
10MHz/20MHz	1715.5	1729.9	64QAM	50	0	100	0	22.46
10MHz/20MHz	1715.5	1729.9	64QAM	1	49	1	0	23.16
10MHz/20MHz	1745.6	1760	QPSK	50	0	100	0	23.72
10MHz/20MHz	1745.6	1760	QPSK	1	49	1	0	25.62
10MHz/20MHz	1745.6	1760	16QAM	50	0	100	0	22.71
10MHz/20MHz	1745.6	1760	16QAM	1	49	1	0	24.59
10MHz/20MHz	1745.6	1760	64QAM	50	0	100	0	22.72
10MHz/20MHz	1745.6	1760	64QAM	1	49	1	0	23.65
10MHz/20MHz	1755.6	1770	QPSK	50	0	100	0	23.86
10MHz/20MHz	1755.6	1770	QPSK	1	49	1	0	25.85
10MHz/20MHz	1755.6	1770	16QAM	50	0	100	0	22.88
10MHz/20MHz	1755.6	1770	16QAM	1	49	1	0	24.79
10MHz/20MHz	1755.6	1770	64QAM	50	0	100	0	22.87
10MHz/20MHz	1755.6	1770	64QAM	1	49	1	0	23.97
15MHz/5MHz	1717.5	1726.8	QPSK	75	0	25	0	23.34
15MHz/5MHz	1717.5	1726.8	QPSK	1	74	1	0	25.21
15MHz/5MHz	1717.5	1726.8	16QAM	75	0	25	0	22.26
15MHz/5MHz	1717.5	1726.8	16QAM	1	74	1	0	24.22
15MHz/5MHz	1717.5	1726.8	64QAM	75	0	25	0	22.29
15MHz/5MHz	1717.5	1726.8	64QAM	1	74	1	0	23.31
15MHz/5MHz	1752.6	1761.9	QPSK	75	0	25	0	23.76
15MHz/5MHz	1752.6	1761.9	QPSK	1	74	1	0	25.71
15MHz/5MHz	1752.6	1761.9	16QAM	75	0	25	0	22.75
15MHz/5MHz	1752.6	1761.9	16QAM	1	74	1	0	24.64

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
15MHz/5MHz	1752.6	1761.9	64QAM	75	0	25	0	22.76
15MHz/5MHz	1752.6	1761.9	64QAM	1	74	1	0	23.81
15MHz/5MHz	1767.7	1777	QPSK	75	0	25	0	23.65
15MHz/5MHz	1767.7	1777	QPSK	1	74	1	0	25.59
15MHz/5MHz	1767.7	1777	16QAM	75	0	25	0	22.75
15MHz/5MHz	1767.7	1777	16QAM	1	74	1	0	24.62
15MHz/5MHz	1767.7	1777	64QAM	75	0	25	0	22.73
15MHz/5MHz	1767.7	1777	64QAM	1	74	1	0	23.62
15MHz/10MHz	1717.5	1729.5	QPSK	75	0	50	0	23.25
15MHz/10MHz	1717.5	1729.5	QPSK	1	74	1	0	25.25
15MHz/10MHz	1717.5	1729.5	16QAM	75	0	50	0	22.37
15MHz/10MHz	1717.5	1729.5	16QAM	1	74	1	0	24.15
15MHz/10MHz	1717.5	1729.5	64QAM	75	0	50	0	22.29
15MHz/10MHz	1717.5	1729.5	64QAM	1	74	1	0	23.34
15MHz/10MHz	1750.1	1762.1	QPSK	75	0	50	0	23.64
15MHz/10MHz	1750.1	1762.1	QPSK	1	74	1	0	25.69
15MHz/10MHz	1750.1	1762.1	16QAM	75	0	50	0	22.74
15MHz/10MHz	1750.1	1762.1	16QAM	1	74	1	0	24.6
15MHz/10MHz	1750.1	1762.1	64QAM	75	0	50	0	22.74
15MHz/10MHz	1750.1	1762.1	64QAM	1	74	1	0	23.66
15MHz/10MHz	1762.7	1774.7	QPSK	75	0	50	0	23.81
15MHz/10MHz	1762.7	1774.7	QPSK	1	74	1	0	25.76
15MHz/10MHz	1762.7	1774.7	16QAM	75	0	50	0	22.78
15MHz/10MHz	1762.7	1774.7	16QAM	1	74	1	0	24.77
15MHz/10MHz	1762.7	1774.7	64QAM	75	0	50	0	22.72
15MHz/10MHz	1762.7	1774.7	64QAM	1	74	1	0	23.7
15MHz/15MHz	1717.5	1732.5	QPSK	75	0	75	0	23.63
15MHz/15MHz	1717.5	1732.5	QPSK	1	74	1	0	25.24
15MHz/15MHz	1717.5	1732.5	16QAM	75	0	75	0	22.36
15MHz/15MHz	1717.5	1732.5	16QAM	1	74	1	0	24.16
15MHz/15MHz	1717.5	1732.5	64QAM	75	0	75	0	22.39
15MHz/15MHz	1717.5	1732.5	64QAM	1	74	1	0	23.34
15MHz/15MHz	1747.5	1762.5	QPSK	75	0	75	0	23.74
15MHz/15MHz	1747.5	1762.5	QPSK	1	74	1	0	25.71
15MHz/15MHz	1747.5	1762.5	16QAM	75	0	75	0	22.74
15MHz/15MHz	1747.5	1762.5	16QAM	1	74	1	0	24.57
15MHz/15MHz	1747.5	1762.5	64QAM	75	0	75	0	22.74
15MHz/15MHz	1747.5	1762.5	64QAM	1	74	1	0	23.59
15MHz/15MHz	1757.5	1772.5	QPSK	75	0	75	0	23.8
15MHz/15MHz	1757.5	1772.5	QPSK	1	74	1	0	25.77
15MHz/15MHz	1757.5	1772.5	16QAM	75	0	75	0	22.81
15MHz/15MHz	1757.5	1772.5	16QAM	1	74	1	0	24.8

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
15MHz/15MHz	1757.5	1772.5	64QAM	75	0	75	0	22.82
15MHz/15MHz	1757.5	1772.5	64QAM	1	74	1	0	23.77
15MHz/20MHz	1717.8	1734.9	QPSK	75	0	100	0	23.37
15MHz/20MHz	1717.8	1734.9	QPSK	1	74	1	0	25.15
15MHz/20MHz	1717.8	1734.9	16QAM	75	0	100	0	22.32
15MHz/20MHz	1717.8	1734.9	16QAM	1	74	1	0	24.16
15MHz/20MHz	1717.8	1734.9	64QAM	75	0	100	0	22.41
15MHz/20MHz	1717.8	1734.9	64QAM	1	74	1	0	23.33
15MHz/20MHz	1745.3	1762.4	QPSK	75	0	100	0	23.7
15MHz/20MHz	1745.3	1762.4	QPSK	1	74	1	0	25.66
15MHz/20MHz	1745.3	1762.4	16QAM	75	0	100	0	22.64
15MHz/20MHz	1745.3	1762.4	16QAM	1	74	1	0	24.65
15MHz/20MHz	1745.3	1762.4	64QAM	75	0	100	0	22.74
15MHz/20MHz	1745.3	1762.4	64QAM	1	74	1	0	23.68
15MHz/20MHz	1752.9	1770	QPSK	75	0	100	0	23.79
15MHz/20MHz	1752.9	1770	QPSK	1	74	1	0	25.84
15MHz/20MHz	1752.9	1770	16QAM	75	0	100	0	22.74
15MHz/20MHz	1752.9	1770	16QAM	1	74	1	0	24.63
15MHz/20MHz	1752.9	1770	64QAM	75	0	100	0	22.83
15MHz/20MHz	1752.9	1770	64QAM	1	74	1	0	23.82
20MHz/5MHz	1720	1731.7	QPSK	100	0	25	0	23.32
20MHz/5MHz	1720	1731.7	QPSK	1	99	1	0	25.04
20MHz/5MHz	1720	1731.7	16QAM	100	0	25	0	22.23
20MHz/5MHz	1720	1731.7	16QAM	1	99	1	0	24.04
20MHz/5MHz	1720	1731.7	64QAM	100	0	25	0	22.22
20MHz/5MHz	1720	1731.7	64QAM	1	99	1	0	23.11
20MHz/5MHz	1752.5	1764.2	QPSK	100	0	25	0	23.77
20MHz/5MHz	1752.5	1764.2	QPSK	1	99	1	0	25.6
20MHz/5MHz	1752.5	1764.2	16QAM	100	0	25	0	22.69
20MHz/5MHz	1752.5	1764.2	16QAM	1	99	1	0	24.67
20MHz/5MHz	1752.5	1764.2	64QAM	100	0	25	0	22.71
20MHz/5MHz	1752.5	1764.2	64QAM	1	99	1	0	23.68
20MHz/5MHz	1765	1776.7	QPSK	100	0	25	0	23.77
20MHz/5MHz	1765	1776.7	QPSK	1	99	1	0	25.58
20MHz/5MHz	1765	1776.7	16QAM	100	0	25	0	22.66
20MHz/5MHz	1765	1776.7	16QAM	1	99	1	0	24.4
20MHz/5MHz	1765	1776.7	64QAM	100	0	25	0	22.68
20MHz/5MHz	1765	1776.7	64QAM	1	99	1	0	23.62
20MHz/10MHz	1720	1734.4	QPSK	100	0	50	0	23.64
20MHz/10MHz	1720	1734.4	QPSK	1	99	1	0	25.13
20MHz/10MHz	1720	1734.4	16QAM	100	0	50	0	22.34
20MHz/10MHz	1720	1734.4	16QAM	1	99	1	0	24.15

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
20MHz/10MHz	1720	1734.4	64QAM	100	0	50	0	22.26
20MHz/10MHz	1720	1734.4	64QAM	1	99	1	0	23.14
20MHz/10MHz	1750.1	1764.5	QPSK	100	0	50	0	23.71
20MHz/10MHz	1750.1	1764.5	QPSK	1	99	1	0	25.72
20MHz/10MHz	1750.1	1764.5	16QAM	100	0	50	0	22.75
20MHz/10MHz	1750.1	1764.5	16QAM	1	99	1	0	24.67
20MHz/10MHz	1750.1	1764.5	64QAM	100	0	50	0	22.68
20MHz/10MHz	1750.1	1764.5	64QAM	1	99	1	0	23.75
20MHz/10MHz	1760.1	1774.5	QPSK	100	0	50	0	23.75
20MHz/10MHz	1760.1	1774.5	QPSK	1	99	1	0	25.58
20MHz/10MHz	1760.1	1774.5	16QAM	100	0	50	0	22.72
20MHz/10MHz	1760.1	1774.5	16QAM	1	99	1	0	24.65
20MHz/10MHz	1760.1	1774.5	64QAM	100	0	50	0	22.77
20MHz/10MHz	1760.1	1774.5	64QAM	1	99	1	0	23.64
20MHz/15MHz	1720	1737.1	QPSK	100	0	75	0	23.73
20MHz/15MHz	1720	1737.1	QPSK	1	99	1	0	25.01
20MHz/15MHz	1720	1737.1	16QAM	100	0	75	0	22.27
20MHz/15MHz	1720	1737.1	16QAM	1	99	1	0	23.91
20MHz/15MHz	1720	1737.1	64QAM	100	0	75	0	22.33
20MHz/15MHz	1720	1737.1	64QAM	1	99	1	0	23.2
20MHz/15MHz	1747.6	1764.7	QPSK	100	0	75	0	23.65
20MHz/15MHz	1747.6	1764.7	QPSK	1	99	1	0	25.71
20MHz/15MHz	1747.6	1764.7	16QAM	100	0	75	0	22.66
20MHz/15MHz	1747.6	1764.7	16QAM	1	99	1	0	24.68
20MHz/15MHz	1747.6	1764.7	64QAM	100	0	75	0	22.65
20MHz/15MHz	1747.6	1764.7	64QAM	1	99	1	0	23.68
20MHz/15MHz	1755.1	1772.2	QPSK	100	0	75	0	23.8
20MHz/15MHz	1755.1	1772.2	QPSK	1	99	1	0	25.78
20MHz/15MHz	1755.1	1772.2	16QAM	100	0	75	0	22.79
20MHz/15MHz	1755.1	1772.2	16QAM	1	99	1	0	24.63
20MHz/15MHz	1755.1	1772.2	64QAM	100	0	75	0	22.8
20MHz/15MHz	1755.1	1772.2	64QAM	1	99	1	0	23.8
20MHz/20MHz	1720	1739.8	QPSK	100	0	100	0	23.33
20MHz/20MHz	1720	1739.8	QPSK	1	99	1	0	25.15
20MHz/20MHz	1720	1739.8	16QAM	100	0	100	0	22.3
20MHz/20MHz	1720	1739.8	16QAM	1	99	1	0	24.12
20MHz/20MHz	1720	1739.8	64QAM	100	0	100	0	22.37
20MHz/20MHz	1720	1739.8	64QAM	1	99	1	0	23.15
20MHz/20MHz	1745.1	1764.9	QPSK	100	0	100	0	23.68
20MHz/20MHz	1745.1	1764.9	QPSK	1	99	1	0	25.7
20MHz/20MHz	1745.1	1764.9	16QAM	100	0	100	0	22.68
20MHz/20MHz	1745.1	1764.9	16QAM	1	99	1	0	24.72

Bandwidth	Frequency(MHz)	Frequency(MHz)	Modulation	PCC RB		SCC RB		EIRP
				Size	Offset	Size	Offset	
20MHz/20MHz	1745.1	1764.9	64QAM	100	0	100	0	22.71
20MHz/20MHz	1745.1	1764.9	64QAM	1	99	1	0	23.77
20MHz/20MHz	1750.2	1770	QPSK	100	0	100	0	23.79
20MHz/20MHz	1750.2	1770	QPSK	1	99	1	0	25.72
20MHz/20MHz	1750.2	1770	16QAM	100	0	100	0	22.69
20MHz/20MHz	1750.2	1770	16QAM	1	99	1	0	24.71
20MHz/20MHz	1750.2	1770	64QAM	100	0	100	0	22.72
20MHz/20MHz	1750.2	1770	64QAM	1	99	1	0	23.86

LTE CA-2A_66A@band2- EIRP 24.232(b)

Limits: ≤33 dBm (2W)

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	1.4	1850.7	6@0	QPSK	23.45	24.8
2	1.4	1850.7	1@5	QPSK	23.47	24.82
2	1.4	1850.7	6@0	16QAM	23.22	24.57
2	1.4	1850.7	1@5	16QAM	23.42	24.77
2	1.4	1850.7	6@0	64QAM	21.93	23.28
2	1.4	1850.7	1@5	64QAM	22.94	24.29
2	1.4	1880	6@0	QPSK	23.5	24.85
2	1.4	1880	1@5	QPSK	23.47	24.82
2	1.4	1880	6@0	16QAM	23.52	24.87
2	1.4	1880	1@5	16QAM	23.37	24.72
2	1.4	1880	6@0	64QAM	22.71	24.06
2	1.4	1880	1@5	64QAM	23.51	24.86
2	1.4	1909.3	6@0	QPSK	23.53	24.88
2	1.4	1909.3	1@5	QPSK	23.57	24.92
2	1.4	1909.3	6@0	16QAM	22.61	23.96
2	1.4	1909.3	1@5	16QAM	23.2	24.55
2	1.4	1909.3	6@0	64QAM	21.54	22.89
2	1.4	1909.3	1@5	64QAM	22.6	23.95
2	1.4	1850.7	6@0	QPSK	23.57	24.92
2	1.4	1850.7	1@5	QPSK	23.6	24.95
2	1.4	1850.7	6@0	16QAM	22.78	24.13
2	1.4	1850.7	1@5	16QAM	23.18	24.53
2	1.4	1850.7	6@0	64QAM	21.53	22.88
2	1.4	1850.7	1@5	64QAM	22.58	23.93
2	1.4	1880	6@0	QPSK	23.51	24.86
2	1.4	1880	1@5	QPSK	23.5	24.85
2	1.4	1880	6@0	16QAM	23.55	24.9

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	1.4	1880	1@5	16QAM	23.5	24.85
2	1.4	1880	6@0	64QAM	22.73	24.08
2	1.4	1880	1@5	64QAM	23.62	24.97
2	1.4	1909.3	6@0	QPSK	23.51	24.86
2	1.4	1909.3	1@5	QPSK	23.5	24.85
2	1.4	1909.3	6@0	16QAM	23.13	24.48
2	1.4	1909.3	1@5	16QAM	23.48	24.83
2	1.4	1909.3	6@0	64QAM	21.94	23.29
2	1.4	1909.3	1@5	64QAM	22.89	24.24
2	1.4	1850.7	6@0	QPSK	23.53	24.88
2	1.4	1850.7	1@5	QPSK	23.59	24.94
2	1.4	1850.7	6@0	16QAM	22.91	24.26
2	1.4	1850.7	1@5	16QAM	23.2	24.55
2	1.4	1850.7	6@0	64QAM	21.7	23.05
2	1.4	1850.7	1@5	64QAM	22.75	24.1
2	1.4	1880	6@0	QPSK	23.52	24.87
2	1.4	1880	1@5	QPSK	23.48	24.83
2	1.4	1880	6@0	16QAM	23.51	24.86
2	1.4	1880	1@5	16QAM	23.37	24.72
2	1.4	1880	6@0	64QAM	22.7	24.05
2	1.4	1880	1@5	64QAM	23.66	25.01
2	1.4	1909.3	6@0	QPSK	23.51	24.86
2	1.4	1909.3	1@5	QPSK	23.49	24.84
2	1.4	1909.3	6@0	16QAM	23.21	24.56
2	1.4	1909.3	1@5	16QAM	23.5	24.85
2	1.4	1909.3	6@0	64QAM	22.01	23.36
2	1.4	1909.3	1@5	64QAM	22.91	24.26
2	1.4	1850.7	6@0	QPSK	23.56	24.91
2	1.4	1850.7	1@5	QPSK	23.56	24.91
2	1.4	1850.7	6@0	16QAM	22.95	24.3
2	1.4	1850.7	1@5	16QAM	23.34	24.69
2	1.4	1850.7	6@0	64QAM	21.73	23.08
2	1.4	1850.7	1@5	64QAM	22.76	24.11
2	1.4	1880	6@0	QPSK	23.54	24.89
2	1.4	1880	1@5	QPSK	23.49	24.84
2	1.4	1880	6@0	16QAM	23.54	24.89
2	1.4	1880	1@5	16QAM	23.49	24.84
2	1.4	1880	6@0	64QAM	22.73	24.08
2	1.4	1880	1@5	64QAM	23.62	24.97
2	1.4	1909.3	6@0	QPSK	23.53	24.88
2	1.4	1909.3	1@5	QPSK	23.56	24.91

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	1.4	1909.3	6@0	16QAM	22.98	24.33
2	1.4	1909.3	1@5	16QAM	23.55	24.9
2	1.4	1909.3	6@0	64QAM	21.81	23.16
2	1.4	1909.3	1@5	64QAM	22.78	24.13
2	3	1851.5	15@0	QPSK	23.56	24.91
2	3	1851.5	1@14	QPSK	23.55	24.9
2	3	1851.5	15@0	16QAM	23.12	24.47
2	3	1851.5	1@14	16QAM	23.46	24.81
2	3	1851.5	15@0	64QAM	21.82	23.17
2	3	1851.5	1@14	64QAM	22.79	24.14
2	3	1880	15@0	QPSK	23.47	24.82
2	3	1880	1@14	QPSK	23.46	24.81
2	3	1880	15@0	16QAM	23.52	24.87
2	3	1880	1@14	16QAM	23.58	24.93
2	3	1880	15@0	64QAM	22.73	24.08
2	3	1880	1@14	64QAM	23.58	24.93
2	3	1908.5	15@0	QPSK	23.53	24.88
2	3	1908.5	1@14	QPSK	23.55	24.9
2	3	1908.5	15@0	16QAM	22.96	24.31
2	3	1908.5	1@14	16QAM	23.55	24.9
2	3	1908.5	15@0	64QAM	21.84	23.19
2	3	1908.5	1@14	64QAM	22.66	24.01
2	3	1851.5	15@0	QPSK	23.64	24.99
2	3	1851.5	1@14	QPSK	23.62	24.97
2	3	1851.5	15@0	16QAM	22.9	24.25
2	3	1851.5	1@14	16QAM	23.35	24.7
2	3	1851.5	15@0	64QAM	21.66	23.01
2	3	1851.5	1@14	64QAM	22.66	24.01
2	3	1880	15@0	QPSK	23.49	24.84
2	3	1880	1@14	QPSK	23.48	24.83
2	3	1880	15@0	16QAM	23.5	24.85
2	3	1880	1@14	16QAM	23.42	24.77
2	3	1880	15@0	64QAM	22.71	24.06
2	3	1880	1@14	64QAM	23.59	24.94
2	3	1908.5	15@0	QPSK	23.5	24.85
2	3	1908.5	1@14	QPSK	23.52	24.87
2	3	1908.5	15@0	16QAM	23.5	24.85
2	3	1908.5	1@14	16QAM	23.55	24.9
2	3	1908.5	15@0	64QAM	22.4	23.75
2	3	1908.5	1@14	64QAM	23.04	24.39
2	3	1851.5	15@0	QPSK	23.58	24.93

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	3	1851.5	1@14	QPSK	23.56	24.91
2	3	1851.5	15@0	16QAM	23.05	24.4
2	3	1851.5	1@14	16QAM	23.4	24.75
2	3	1851.5	15@0	64QAM	21.77	23.12
2	3	1851.5	1@14	64QAM	22.7	24.05
2	3	1880	15@0	QPSK	23.5	24.85
2	3	1880	1@14	QPSK	23.49	24.84
2	3	1880	15@0	16QAM	23.5	24.85
2	3	1880	1@14	16QAM	23.52	24.87
2	3	1880	15@0	64QAM	22.69	24.04
2	3	1880	1@14	64QAM	23.59	24.94
2	3	1908.5	15@0	QPSK	23.51	24.86
2	3	1908.5	1@14	QPSK	23.52	24.87
2	3	1908.5	15@0	16QAM	23.48	24.83
2	3	1908.5	1@14	16QAM	23.48	24.83
2	3	1908.5	15@0	64QAM	22.29	23.64
2	3	1908.5	1@14	64QAM	23.05	24.4
2	3	1851.5	15@0	QPSK	23.6	24.95
2	3	1851.5	1@14	QPSK	23.6	24.95
2	3	1851.5	15@0	16QAM	22.94	24.29
2	3	1851.5	1@14	16QAM	23.45	24.8
2	3	1851.5	15@0	64QAM	21.81	23.16
2	3	1851.5	1@14	64QAM	22.75	24.1
2	3	1880	15@0	QPSK	23.48	24.83
2	3	1880	1@14	QPSK	23.49	24.84
2	3	1880	15@0	16QAM	23.49	24.84
2	3	1880	1@14	16QAM	23.63	24.98
2	3	1880	15@0	64QAM	22.68	24.03
2	3	1880	1@14	64QAM	23.58	24.93
2	3	1908.5	15@0	QPSK	23.48	24.83
2	3	1908.5	1@14	QPSK	23.54	24.89
2	3	1908.5	15@0	16QAM	23.26	24.61
2	3	1908.5	1@14	16QAM	23.55	24.9
2	3	1908.5	15@0	64QAM	22.06	23.41
2	3	1908.5	1@14	64QAM	22.86	24.21
2	5	1852.5	25@0	QPSK	23.6	24.95
2	5	1852.5	1@24	QPSK	23.59	24.94
2	5	1852.5	25@0	16QAM	23.15	23.15
2	5	1852.5	1@24	16QAM	23.51	24.86
2	5	1852.5	25@0	64QAM	21.85	23.2
2	5	1852.5	1@24	64QAM	22.78	24.13

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	5	1880	25@0	QPSK	23.5	24.85
2	5	1880	1@24	QPSK	23.53	24.88
2	5	1880	25@0	16QAM	23.5	24.85
2	5	1880	1@24	16QAM	23.53	24.88
2	5	1880	25@0	64QAM	22.72	24.07
2	5	1880	1@24	64QAM	23.46	24.81
2	5	1907.5	25@0	QPSK	23.51	24.86
2	5	1907.5	1@24	QPSK	23.58	24.93
2	5	1907.5	25@0	16QAM	23.43	24.78
2	5	1907.5	1@24	16QAM	23.58	24.93
2	5	1907.5	25@0	64QAM	22.33	23.68
2	5	1907.5	1@24	64QAM	22.89	24.24
2	5	1852.5	25@0	QPSK	23.65	25
2	5	1852.5	1@24	QPSK	23.62	24.97
2	5	1852.5	25@0	16QAM	22.99	24.34
2	5	1852.5	1@24	16QAM	23.5	24.85
2	5	1852.5	25@0	64QAM	21.77	23.12
2	5	1852.5	1@24	64QAM	22.75	22.75
2	5	1880	25@0	QPSK	23.52	24.87
2	5	1880	1@24	QPSK	23.49	24.84
2	5	1880	25@0	16QAM	23.53	24.88
2	5	1880	1@24	16QAM	23.57	24.92
2	5	1880	25@0	64QAM	22.75	24.1
2	5	1880	1@24	64QAM	23.43	24.78
2	5	1907.5	25@0	QPSK	23.49	24.84
2	5	1907.5	1@24	QPSK	23.58	24.93
2	5	1907.5	25@0	16QAM	23.54	24.89
2	5	1907.5	1@24	16QAM	23.57	24.92
2	5	1907.5	25@0	64QAM	22.79	24.14
2	5	1907.5	1@24	64QAM	23.25	24.6
2	5	1852.5	25@0	QPSK	23.64	24.99
2	5	1852.5	1@24	QPSK	23.61	24.96
2	5	1852.5	25@0	16QAM	23.06	24.41
2	5	1852.5	1@24	16QAM	23.37	24.72
2	5	1852.5	25@0	64QAM	21.79	23.14
2	5	1852.5	1@24	64QAM	22.84	24.19
2	5	1880	25@0	QPSK	23.49	24.84
2	5	1880	1@24	QPSK	23.5	24.85
2	5	1880	25@0	16QAM	23.5	24.85
2	5	1880	1@24	16QAM	23.46	24.81
2	5	1880	25@0	64QAM	22.67	24.02

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	5	1880	1@24	64QAM	23.53	24.88
2	5	1907.5	25@0	QPSK	23.47	24.82
2	5	1907.5	1@24	QPSK	23.54	24.89
2	5	1907.5	25@0	16QAM	23.52	24.87
2	5	1907.5	1@24	16QAM	23.59	24.94
2	5	1907.5	25@0	64QAM	22.69	24.04
2	5	1907.5	1@24	64QAM	23.29	24.64
2	5	1852.5	25@0	QPSK	23.63	24.98
2	5	1852.5	1@24	QPSK	23.65	25
2	5	1852.5	25@0	16QAM	23.01	24.36
2	5	1852.5	1@24	16QAM	23.53	24.88
2	5	1852.5	25@0	64QAM	21.78	23.13
2	5	1852.5	1@24	64QAM	22.71	24.06
2	5	1880	25@0	QPSK	23.49	24.84
2	5	1880	1@24	QPSK	23.48	24.83
2	5	1880	25@0	16QAM	23.51	24.86
2	5	1880	1@24	16QAM	23.47	24.82
2	5	1880	25@0	64QAM	22.71	24.06
2	5	1880	1@24	64QAM	23.43	24.78
2	5	1907.5	25@0	QPSK	23.65	25
2	5	1907.5	1@24	QPSK	23.66	25.01
2	5	1907.5	25@0	16QAM	23.58	24.93
2	5	1907.5	1@24	16QAM	23.66	25.01
2	5	1907.5	25@0	64QAM	22.46	23.81
2	5	1907.5	1@24	64QAM	23.02	24.37
2	10	1855	50@0	QPSK	23.62	24.97
2	10	1855	1@49	QPSK	23.31	24.66
2	10	1855	50@0	16QAM	23.28	24.63
2	10	1855	1@49	16QAM	23.48	24.83
2	10	1855	50@0	64QAM	21.97	23.32
2	10	1855	1@49	64QAM	23.12	24.47
2	10	1880	50@0	QPSK	23.5	24.85
2	10	1880	1@49	QPSK	23.54	24.89
2	10	1880	50@0	16QAM	23.52	24.87
2	10	1880	1@49	16QAM	23.53	24.88
2	10	1880	50@0	64QAM	22.71	24.06
2	10	1880	1@49	64QAM	23.68	25.03
2	10	1905	50@0	QPSK	23.59	24.94
2	10	1905	1@49	QPSK	23.63	24.98
2	10	1905	50@0	16QAM	23.64	24.99
2	10	1905	1@49	16QAM	23.7	23.7

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	10	1905	50@0	64QAM	22.86	24.21
2	10	1905	1@49	64QAM	22.96	24.31
2	10	1855	50@0	QPSK	23.7	25.05
2	10	1855	1@49	QPSK	23.34	24.69
2	10	1855	50@0	16QAM	23.07	24.42
2	10	1855	1@49	16QAM	23.5	24.85
2	10	1855	50@0	64QAM	21.91	23.26
2	10	1855	1@49	64QAM	23.09	24.44
2	10	1880	50@0	QPSK	23.52	24.87
2	10	1880	1@49	QPSK	23.12	24.47
2	10	1880	50@0	16QAM	23.54	24.89
2	10	1880	1@49	16QAM	23.19	24.54
2	10	1880	50@0	64QAM	22.77	24.12
2	10	1880	1@49	64QAM	23.31	24.66
2	10	1905	50@0	QPSK	23.57	24.92
2	10	1905	1@49	QPSK	23.55	24.9
2	10	1905	50@0	16QAM	23.58	24.93
2	10	1905	1@49	16QAM	23.47	24.82
2	10	1905	50@0	64QAM	22.85	24.2
2	10	1905	1@49	64QAM	23.28	24.63
2	10	1855	50@0	QPSK	23.67	23.67
2	10	1855	1@49	QPSK	23.33	24.68
2	10	1855	50@0	16QAM	23.1	24.45
2	10	1855	1@49	16QAM	23.41	24.76
2	10	1855	50@0	64QAM	21.84	23.19
2	10	1855	1@49	64QAM	23.09	24.44
2	10	1880	50@0	QPSK	23.54	24.89
2	10	1880	1@49	QPSK	23.17	24.52
2	10	1880	50@0	16QAM	23.58	24.93
2	10	1880	1@49	16QAM	23.16	24.51
2	10	1880	50@0	64QAM	22.81	24.16
2	10	1880	1@49	64QAM	23.22	24.57
2	10	1905	50@0	QPSK	23.56	24.91
2	10	1905	1@49	QPSK	23.79	25.14
2	10	1905	50@0	16QAM	23.64	24.99
2	10	1905	1@49	16QAM	23.88	25.23
2	10	1905	50@0	64QAM	22.85	24.2
2	10	1905	1@49	64QAM	23.19	24.54
2	10	1855	50@0	QPSK	23.69	25.04
2	10	1855	1@49	QPSK	23.36	24.71
2	10	1855	50@0	16QAM	22.97	24.32

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	10	1855	1@49	16QAM	23.5	24.85
2	10	1855	50@0	64QAM	21.68	23.03
2	10	1855	1@49	64QAM	22.95	24.3
2	10	1880	50@0	QPSK	23.53	24.88
2	10	1880	1@49	QPSK	23.16	24.51
2	10	1880	50@0	16QAM	23.58	24.93
2	10	1880	1@49	16QAM	23.2	24.55
2	10	1880	50@0	64QAM	22.78	24.13
2	10	1880	1@49	64QAM	23.34	24.69
2	10	1905	50@0	QPSK	23.59	24.94
2	10	1905	1@49	QPSK	23.82	25.17
2	10	1905	50@0	16QAM	23.69	25.04
2	10	1905	1@49	16QAM	23.83	25.18
2	10	1905	50@0	64QAM	22.84	24.19
2	10	1905	1@49	64QAM	22.94	24.29
2	15	1857.5	75@0	QPSK	23.55	24.9
2	15	1857.5	1@74	QPSK	23.6	24.95
2	15	1857.5	75@0	16QAM	23.55	24.9
2	15	1857.5	1@74	16QAM	23.71	25.06
2	15	1857.5	75@0	64QAM	22.32	23.67
2	15	1857.5	1@74	64QAM	23.73	25.08
2	15	1880	75@0	QPSK	23.38	24.73
2	15	1880	1@74	QPSK	23.29	24.64
2	15	1880	75@0	16QAM	23.39	24.74
2	15	1880	1@74	16QAM	23.46	24.81
2	15	1880	75@0	64QAM	22.55	23.9
2	15	1880	1@74	64QAM	23.45	24.8
2	15	1902.5	75@0	QPSK	23.46	24.81
2	15	1902.5	1@74	QPSK	23.47	24.82
2	15	1902.5	75@0	16QAM	23.51	24.86
2	15	1902.5	1@74	16QAM	23.44	24.79
2	15	1902.5	75@0	64QAM	22.74	24.09
2	15	1902.5	1@74	64QAM	23.52	24.87
2	15	1857.5	75@0	QPSK	23.54	24.89
2	15	1857.5	1@74	QPSK	23.55	24.9
2	15	1857.5	75@0	16QAM	23.58	24.93
2	15	1857.5	1@74	16QAM	23.69	25.04
2	15	1857.5	75@0	64QAM	22.74	24.09
2	15	1857.5	1@74	64QAM	23.64	24.99
2	15	1880	75@0	QPSK	23.35	24.7
2	15	1880	1@74	QPSK	23.33	24.68

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	15	1880	75@0	16QAM	23.41	24.76
2	15	1880	1@74	16QAM	23.4	24.75
2	15	1880	75@0	64QAM	22.63	22.63
2	15	1880	1@74	64QAM	23.43	24.78
2	15	1902.5	75@0	QPSK	23.38	24.73
2	15	1902.5	1@74	QPSK	23.33	24.68
2	15	1902.5	75@0	16QAM	23.43	24.78
2	15	1902.5	1@74	16QAM	23.45	24.8
2	15	1902.5	75@0	64QAM	22.56	23.91
2	15	1902.5	1@74	64QAM	23.42	24.77
2	15	1857.5	75@0	QPSK	23.56	24.91
2	15	1857.5	1@74	QPSK	23.52	24.87
2	15	1857.5	75@0	16QAM	23.59	24.94
2	15	1857.5	1@74	16QAM	23.69	25.04
2	15	1857.5	75@0	64QAM	22.8	24.15
2	15	1857.5	1@74	64QAM	23.77	25.12
2	15	1880	75@0	QPSK	23.37	24.72
2	15	1880	1@74	QPSK	23.3	24.65
2	15	1880	75@0	16QAM	23.41	24.76
2	15	1880	1@74	16QAM	23.47	24.82
2	15	1880	75@0	64QAM	22.61	23.96
2	15	1880	1@74	64QAM	23.45	24.8
2	15	1902.5	75@0	QPSK	23.44	24.79
2	15	1902.5	1@74	QPSK	23.44	23.44
2	15	1902.5	75@0	16QAM	23.48	24.83
2	15	1902.5	1@74	16QAM	23.47	24.82
2	15	1902.5	75@0	64QAM	22.71	24.06
2	15	1902.5	1@74	64QAM	23.52	24.87
2	15	1857.5	75@0	QPSK	23.62	24.97
2	15	1857.5	1@74	QPSK	23.66	25.01
2	15	1857.5	75@0	16QAM	23.18	24.53
2	15	1857.5	1@74	16QAM	23.8	25.15
2	15	1857.5	75@0	64QAM	21.96	23.31
2	15	1857.5	1@74	64QAM	23.55	24.9
2	15	1880	75@0	QPSK	23.38	24.73
2	15	1880	1@74	QPSK	23.37	24.72
2	15	1880	75@0	16QAM	23.42	24.77
2	15	1880	1@74	16QAM	23.41	24.76
2	15	1880	75@0	64QAM	22.61	23.96
2	15	1880	1@74	64QAM	23.44	24.79
2	15	1902.5	75@0	QPSK	23.41	24.76
2	15	1902.5	1@74	QPSK	23.35	24.7

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	15	1902.5	75@0	16QAM	23.47	24.82
2	15	1902.5	1@74	16QAM	23.51	24.86
2	15	1902.5	75@0	64QAM	22.63	23.98
2	15	1902.5	1@74	64QAM	23.59	24.94
2	20	1860	100@0	QPSK	23.58	24.93
2	20	1860	1@99	QPSK	23.46	24.81
2	20	1860	100@0	16QAM	23.65	25
2	20	1860	1@99	16QAM	23.6	24.95
2	20	1860	100@0	64QAM	22.82	24.17
2	20	1860	1@99	64QAM	23.4	24.75
2	20	1880	100@0	QPSK	23.41	24.76
2	20	1880	1@99	QPSK	23.41	24.76
2	20	1880	100@0	16QAM	23.44	24.79
2	20	1880	1@99	16QAM	23.43	24.78
2	20	1880	100@0	64QAM	22.7	24.05
2	20	1880	1@99	64QAM	23.46	24.81
2	20	1900	100@0	QPSK	23.48	24.83
2	20	1900	1@99	QPSK	23.43	24.78
2	20	1900	100@0	16QAM	23.56	24.91
2	20	1900	1@99	16QAM	23.44	24.79
2	20	1900	100@0	64QAM	22.72	24.07
2	20	1900	1@99	64QAM	23.48	24.83
2	20	1860	100@0	QPSK	23.57	24.92
2	20	1860	1@99	QPSK	23.47	24.82
2	20	1860	100@0	16QAM	23.67	25.02
2	20	1860	1@99	16QAM	23.49	24.84
2	20	1860	100@0	64QAM	22.88	24.23
2	20	1860	1@99	64QAM	23.55	24.9
2	20	1880	100@0	QPSK	23.4	24.75
2	20	1880	1@99	QPSK	23.38	24.73
2	20	1880	100@0	16QAM	23.44	24.79
2	20	1880	1@99	16QAM	23.51	24.86
2	20	1880	100@0	64QAM	22.67	24.02
2	20	1880	1@99	64QAM	23.47	24.82
2	20	1900	100@0	QPSK	23.47	24.82
2	20	1900	1@99	QPSK	23.42	24.77
2	20	1900	100@0	16QAM	23.51	24.86
2	20	1900	1@99	16QAM	23.45	24.8
2	20	1900	100@0	64QAM	22.65	24
2	20	1900	1@99	64QAM	23.5	24.85
2	20	1860	100@0	QPSK	23.58	24.93

PCC Power (dBm)						
Band	BW(MHz)	Frequency(MHz)	RB	Modu	Power	EIRP
2	20	1860	1@99	QPSK	23.46	24.81
2	20	1860	100@0	16QAM	23.65	25
2	20	1860	1@99	16QAM	23.59	24.94
2	20	1860	100@0	64QAM	22.75	24.1
2	20	1860	1@99	64QAM	23.49	23.49
2	20	1880	100@0	QPSK	23.43	24.78
2	20	1880	1@99	QPSK	23.36	24.71
2	20	1880	100@0	16QAM	23.42	24.77
2	20	1880	1@99	16QAM	23.44	24.79
2	20	1880	100@0	64QAM	22.64	23.99
2	20	1880	1@99	64QAM	23.58	24.93
2	20	1900	100@0	QPSK	23.48	24.83
2	20	1900	1@99	QPSK	23.39	24.74
2	20	1900	100@0	16QAM	23.49	24.84
2	20	1900	1@99	16QAM	23.53	24.88
2	20	1900	100@0	64QAM	22.75	24.1
2	20	1900	1@99	64QAM	23.44	24.79
2	20	1860	100@0	QPSK	23.58	24.93
2	20	1860	1@99	QPSK	23.44	24.79
2	20	1860	100@0	16QAM	23.66	25.01
2	20	1860	1@99	16QAM	23.64	24.99
2	20	1860	100@0	64QAM	22.61	23.96
2	20	1860	1@99	64QAM	23.55	24.9
2	20	1880	100@0	QPSK	23.35	24.7
2	20	1880	1@99	QPSK	23.37	24.72
2	20	1880	100@0	16QAM	23.41	23.41
2	20	1880	1@99	16QAM	23.39	24.74
2	20	1880	100@0	64QAM	22.65	24
2	20	1880	1@99	64QAM	23.37	24.72
2	20	1900	100@0	QPSK	23.42	24.77
2	20	1900	1@99	QPSK	23.44	24.79
2	20	1900	100@0	16QAM	23.48	24.83
2	20	1900	1@99	16QAM	23.35	24.7
2	20	1900	100@0	64QAM	22.72	24.07
2	20	1900	1@99	64QAM	23.52	24.87

LTE CA-2A_66A@band66- EIRP 27.50(d)

Limits: ≤30 dBm (1W)

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	5	1712.5	6@0	QPSK	23.54
66	5	1712.5	1@5	QPSK	23.65
66	5	1712.5	6@0	16QAM	22.14
66	5	1712.5	1@5	16QAM	23.71
66	5	1712.5	6@0	64QAM	21.06
66	5	1712.5	1@5	64QAM	22.84
66	5	1745	6@0	QPSK	23.8
66	5	1745	1@5	QPSK	23.62
66	5	1745	6@0	16QAM	23.85
66	5	1745	1@5	16QAM	23.67
66	5	1745	6@0	64QAM	23.06
66	5	1745	1@5	64QAM	23.77
66	5	1777.5	6@0	QPSK	23.05
66	5	1777.5	1@5	QPSK	24.33
66	5	1777.5	6@0	16QAM	21.71
66	5	1777.5	1@5	16QAM	23.53
66	5	1777.5	6@0	64QAM	20.71
66	5	1777.5	1@5	64QAM	22.66
66	10	1715	6@0	QPSK	22.89
66	10	1715	1@5	QPSK	23.73
66	10	1715	6@0	16QAM	21.61
66	10	1715	1@5	16QAM	23.78
66	10	1715	6@0	64QAM	20.6
66	10	1715	1@5	64QAM	22.86
66	10	1745	6@0	QPSK	23.88
66	10	1745	1@5	QPSK	23.63
66	10	1745	6@0	16QAM	23.91
66	10	1745	1@5	16QAM	23.64
66	10	1745	6@0	64QAM	23.08
66	10	1745	1@5	64QAM	23.69
66	10	1775	6@0	QPSK	24.43
66	10	1775	1@5	QPSK	24.18
66	10	1775	6@0	16QAM	23.57
66	10	1775	1@5	16QAM	24.24
66	10	1775	6@0	64QAM	22.58
66	10	1775	1@5	64QAM	24.14
66	15	1717.5	6@0	QPSK	22.77
66	15	1717.5	1@5	QPSK	23.61
66	15	1717.5	6@0	16QAM	21.46
66	15	1717.5	1@5	16QAM	23.7
66	15	1717.5	6@0	64QAM	20.48

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	15	1717.5	1@5	64QAM	22.82
66	15	1745	6@0	QPSK	23.8
66	15	1745	1@5	QPSK	23.55
66	15	1745	6@0	16QAM	23.8
66	15	1745	1@5	16QAM	23.58
66	15	1745	6@0	64QAM	23
66	15	1745	1@5	64QAM	23.57
66	15	1772.5	6@0	QPSK	24.27
66	15	1772.5	1@5	QPSK	24.08
66	15	1772.5	6@0	16QAM	24.24
66	15	1772.5	1@5	16QAM	24.1
66	15	1772.5	6@0	64QAM	23.3
66	15	1772.5	1@5	64QAM	24.18
66	20	1720	6@0	QPSK	23.01
66	20	1720	1@5	QPSK	23.61
66	20	1720	6@0	16QAM	21.7
66	20	1720	1@5	16QAM	23.65
66	20	1720	6@0	64QAM	20.71
66	20	1720	1@5	64QAM	22.86
66	20	1745	6@0	QPSK	23.82
66	20	1745	1@5	QPSK	23.64
66	20	1745	6@0	16QAM	23.82
66	20	1745	1@5	16QAM	23.59
66	20	1745	6@0	64QAM	22.99
66	20	1745	1@5	64QAM	23.64
66	20	1770	6@0	QPSK	24.29
66	20	1770	1@5	QPSK	24.17
66	20	1770	6@0	16QAM	24.07
66	20	1770	1@5	16QAM	23.12
66	20	1770	6@0	64QAM	23.05
66	20	1770	1@5	64QAM	22.28
66	5	1712.5	15@0	QPSK	23.59
66	5	1712.5	1@14	QPSK	23.72
66	5	1712.5	15@0	16QAM	22.07
66	5	1712.5	1@14	16QAM	23.63
66	5	1712.5	15@0	64QAM	21.02
66	5	1712.5	1@14	64QAM	22.77
66	5	1745	15@0	QPSK	23.83
66	5	1745	1@14	QPSK	23.69
66	5	1745	15@0	16QAM	23.86
66	5	1745	1@14	16QAM	23.69

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	5	1745	15@0	64QAM	23.06
66	5	1745	1@14	64QAM	23.76
66	5	1777.5	15@0	QPSK	23.15
66	5	1777.5	1@14	QPSK	24.38
66	5	1777.5	15@0	16QAM	21.78
66	5	1777.5	1@14	16QAM	23.59
66	5	1777.5	15@0	64QAM	20.77
66	5	1777.5	1@14	64QAM	22.78
66	10	1715	15@0	QPSK	22.97
66	10	1715	1@14	QPSK	23.77
66	10	1715	15@0	16QAM	21.72
66	10	1715	1@14	16QAM	23.78
66	10	1715	15@0	64QAM	20.72
66	10	1715	1@14	64QAM	23.06
66	10	1745	15@0	QPSK	23.85
66	10	1745	1@14	QPSK	23.67
66	10	1745	15@0	16QAM	23.91
66	10	1745	1@14	16QAM	23.61
66	10	1745	15@0	64QAM	23.1
66	10	1745	1@14	64QAM	23.66
66	10	1775	15@0	QPSK	24.41
66	10	1775	1@14	QPSK	24.2
66	10	1775	15@0	16QAM	23.7
66	10	1775	1@14	16QAM	24.13
66	10	1775	15@0	64QAM	22.73
66	10	1775	1@14	64QAM	24.29
66	15	1717.5	15@0	QPSK	22.92
66	15	1717.5	1@14	QPSK	23.58
66	15	1717.5	15@0	16QAM	21.56
66	15	1717.5	1@14	16QAM	23.59
66	15	1717.5	15@0	64QAM	20.52
66	15	1717.5	1@14	64QAM	22.93
66	15	1745	15@0	QPSK	23.82
66	15	1745	1@14	QPSK	23.53
66	15	1745	15@0	16QAM	23.79
66	15	1745	1@14	16QAM	23.39
66	15	1745	15@0	64QAM	23.01
66	15	1745	1@14	64QAM	23.7
66	15	1772.5	15@0	QPSK	24.26
66	15	1772.5	1@14	QPSK	24.06
66	15	1772.5	15@0	16QAM	24.25

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	15	1772.5	1@14	16QAM	24.12
66	15	1772.5	15@0	64QAM	23.29
66	15	1772.5	1@14	64QAM	24.18
66	20	1720	15@0	QPSK	22.98
66	20	1720	1@14	QPSK	23.59
66	20	1720	15@0	16QAM	21.69
66	20	1720	1@14	16QAM	23.44
66	20	1720	15@0	64QAM	20.69
66	20	1720	1@14	64QAM	22.76
66	20	1745	15@0	QPSK	23.83
66	20	1745	1@14	QPSK	23.64
66	20	1745	15@0	16QAM	23.85
66	20	1745	1@14	16QAM	23.5
66	20	1745	15@0	64QAM	23.02
66	20	1745	1@14	64QAM	23.68
66	20	1770	15@0	QPSK	24.25
66	20	1770	1@14	QPSK	24.15
66	20	1770	15@0	16QAM	24.08
66	20	1770	1@14	16QAM	22.98
66	20	1770	15@0	64QAM	23.1
66	20	1770	1@14	64QAM	22.21
66	5	1712.5	25@0	QPSK	23.61
66	5	1712.5	1@24	QPSK	23.73
66	5	1712.5	25@0	16QAM	20.89
66	5	1712.5	1@24	16QAM	23.96
66	5	1712.5	25@0	64QAM	21.18
66	5	1712.5	1@24	64QAM	22.95
66	5	1745	25@0	QPSK	23.91
66	5	1745	1@24	QPSK	23.79
66	5	1745	25@0	16QAM	24
66	5	1745	1@24	16QAM	23.86
66	5	1745	25@0	64QAM	23.16
66	5	1745	1@24	64QAM	23.73
66	5	1777.5	25@0	QPSK	23.37
66	5	1777.5	1@24	QPSK	24.46
66	5	1777.5	25@0	16QAM	21.99
66	5	1777.5	1@24	16QAM	23.91
66	5	1777.5	25@0	64QAM	21
66	5	1777.5	1@24	64QAM	22.99
66	10	1715	25@0	QPSK	23.11
66	10	1715	1@24	QPSK	23.5

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	10	1715	25@0	16QAM	21.88
66	10	1715	1@24	16QAM	23.64
66	10	1715	25@0	64QAM	20.87
66	10	1715	1@24	64QAM	21.73
66	10	1745	25@0	QPSK	23.97
66	10	1745	1@24	QPSK	23.77
66	10	1745	25@0	16QAM	24.02
66	10	1745	1@24	16QAM	23.88
66	10	1745	25@0	64QAM	23.22
66	10	1745	1@24	64QAM	23.83
66	10	1775	25@0	QPSK	24.51
66	10	1775	1@24	QPSK	24.31
66	10	1775	25@0	16QAM	23.89
66	10	1775	1@24	16QAM	24.34
66	10	1775	25@0	64QAM	22.91
66	10	1775	1@24	64QAM	24.42
66	15	1717.5	25@0	QPSK	22.99
66	15	1717.5	1@24	QPSK	23.71
66	15	1717.5	25@0	16QAM	21.68
66	15	1717.5	1@24	16QAM	23.74
66	15	1717.5	25@0	64QAM	20.66
66	15	1717.5	1@24	64QAM	22.91
66	15	1745	25@0	QPSK	23.89
66	15	1745	1@24	QPSK	23.67
66	15	1745	25@0	16QAM	23.91
66	15	1745	1@24	16QAM	23.75
66	15	1745	25@0	64QAM	23.09
66	15	1745	1@24	64QAM	23.63
66	15	1772.5	25@0	QPSK	24.35
66	15	1772.5	1@24	QPSK	24.13
66	15	1772.5	25@0	16QAM	24.38
66	15	1772.5	1@24	16QAM	24.28
66	15	1772.5	25@0	64QAM	23.41
66	15	1772.5	1@24	64QAM	24.14
66	20	1720	25@0	QPSK	23.14
66	20	1720	1@24	QPSK	23.71
66	20	1720	25@0	16QAM	21.83
66	20	1720	1@24	16QAM	23.76
66	20	1720	25@0	64QAM	20.82
66	20	1720	1@24	64QAM	22.78
66	20	1745	25@0	QPSK	23.97

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	20	1745	1@24	QPSK	23.7
66	20	1745	25@0	16QAM	23.99
66	20	1745	1@24	16QAM	23.74
66	20	1745	25@0	64QAM	23.16
66	20	1745	1@24	64QAM	23.7
66	20	1770	25@0	QPSK	24.39
66	20	1770	1@24	QPSK	24.22
66	20	1770	25@0	16QAM	24.21
66	20	1770	1@24	16QAM	23.3
66	20	1770	25@0	64QAM	23.24
66	20	1770	1@24	64QAM	22.37
66	5	1712.5	50@0	QPSK	23.75
66	5	1712.5	1@49	QPSK	23.94
66	5	1712.5	50@0	16QAM	22.25
66	5	1712.5	1@49	16QAM	23.79
66	5	1712.5	50@0	64QAM	21.18
66	5	1712.5	1@49	64QAM	23
66	5	1745	50@0	QPSK	23.92
66	5	1745	1@49	QPSK	23.83
66	5	1745	50@0	16QAM	24
66	5	1745	1@49	16QAM	23.69
66	5	1745	50@0	64QAM	23.21
66	5	1745	1@49	64QAM	23.9
66	5	1777.5	50@0	QPSK	23.39
66	5	1777.5	1@49	QPSK	24.46
66	5	1777.5	50@0	16QAM	22.04
66	5	1777.5	1@49	16QAM	22.44
66	5	1777.5	50@0	64QAM	21.02
66	5	1777.5	1@49	64QAM	23.05
66	10	1715	50@0	QPSK	23.16
66	10	1715	1@49	QPSK	23.54
66	10	1715	50@0	16QAM	21.9
66	10	1715	1@49	16QAM	23.47
66	10	1715	50@0	64QAM	20.93
66	10	1715	1@49	64QAM	23.18
66	10	1745	50@0	QPSK	24
66	10	1745	1@49	QPSK	23.44
66	10	1745	50@0	16QAM	24.03
66	10	1745	1@49	16QAM	23.45
66	10	1745	50@0	64QAM	23.24
66	10	1745	1@49	64QAM	23.5

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	10	1775	50@0	QPSK	24.53
66	10	1775	1@49	QPSK	24.32
66	10	1775	50@0	16QAM	23.93
66	10	1775	1@49	16QAM	24.24
66	10	1775	50@0	64QAM	22.9
66	10	1775	1@49	64QAM	24.41
66	15	1717.5	50@0	QPSK	21.65
66	15	1717.5	1@49	QPSK	23.71
66	15	1717.5	50@0	16QAM	21.68
66	15	1717.5	1@49	16QAM	23.63
66	15	1717.5	50@0	64QAM	20.65
66	15	1717.5	1@49	64QAM	23
66	15	1745	50@0	QPSK	23.92
66	15	1745	1@49	QPSK	23.67
66	15	1745	50@0	16QAM	23.95
66	15	1745	1@49	16QAM	23.65
66	15	1745	50@0	64QAM	23.11
66	15	1745	1@49	64QAM	23.8
66	15	1772.5	50@0	QPSK	24.37
66	15	1772.5	1@49	QPSK	24.17
66	15	1772.5	50@0	16QAM	24.36
66	15	1772.5	1@49	16QAM	24.03
66	15	1772.5	50@0	64QAM	23.38
66	15	1772.5	1@49	64QAM	24.34
66	20	1720	50@0	QPSK	23.09
66	20	1720	1@49	QPSK	23.72
66	20	1720	50@0	16QAM	21.77
66	20	1720	1@49	16QAM	23.48
66	20	1720	50@0	64QAM	20.73
66	20	1720	1@49	64QAM	22.81
66	20	1745	50@0	QPSK	23.97
66	20	1745	1@49	QPSK	23.74
66	20	1745	50@0	16QAM	24.01
66	20	1745	1@49	16QAM	23.65
66	20	1745	50@0	64QAM	23.18
66	20	1745	1@49	64QAM	23.86
66	20	1770	50@0	QPSK	24.4
66	20	1770	1@49	QPSK	24.29
66	20	1770	50@0	16QAM	24.23
66	20	1770	1@49	16QAM	23.12
66	20	1770	50@0	64QAM	23.21

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	20	1770	1@49	64QAM	22.32
66	5	1712.5	75@0	QPSK	23.86
66	5	1712.5	1@74	QPSK	23.82
66	5	1712.5	75@0	16QAM	22.53
66	5	1712.5	1@74	16QAM	23.77
66	5	1712.5	75@0	64QAM	21.38
66	5	1712.5	1@74	64QAM	23.13
66	5	1745	75@0	QPSK	23.88
66	5	1745	1@74	QPSK	23.76
66	5	1745	75@0	16QAM	23.9
66	5	1745	1@74	16QAM	23.67
66	5	1745	75@0	64QAM	23.1
66	5	1745	1@74	64QAM	23.78
66	5	1777.5	75@0	QPSK	24.13
66	5	1777.5	1@74	QPSK	24.34
66	5	1777.5	75@0	16QAM	22.53
66	5	1777.5	1@74	16QAM	24.17
66	5	1777.5	75@0	64QAM	21.33
66	5	1777.5	1@74	64QAM	23.3
66	10	1715	75@0	QPSK	23.76
66	10	1715	1@74	QPSK	23.37
66	10	1715	75@0	16QAM	22.23
66	10	1715	1@74	16QAM	23.41
66	10	1715	75@0	64QAM	22.47
66	10	1715	1@74	64QAM	23.36
66	10	1745	75@0	QPSK	23.98
66	10	1745	1@74	QPSK	23.4
66	10	1745	75@0	16QAM	23.96
66	10	1745	1@74	16QAM	23.34
66	10	1745	75@0	64QAM	21.84
66	10	1745	1@74	64QAM	23.48
66	10	1775	75@0	QPSK	24.54
66	10	1775	1@74	QPSK	24.31
66	10	1775	75@0	16QAM	24.51
66	10	1775	1@74	16QAM	24.2
66	10	1775	75@0	64QAM	23.75
66	10	1775	1@74	64QAM	24.29
66	15	1717.5	75@0	QPSK	23.65
66	15	1717.5	1@74	QPSK	23.59
66	15	1717.5	75@0	16QAM	22.18
66	15	1717.5	1@74	16QAM	23.56

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	15	1717.5	75@0	64QAM	21.25
66	15	1717.5	1@74	64QAM	23.4
66	15	1745	75@0	QPSK	23.85
66	15	1745	1@74	QPSK	23.63
66	15	1745	75@0	16QAM	23.86
66	15	1745	1@74	16QAM	23.57
66	15	1745	75@0	64QAM	23.05
66	15	1745	1@74	64QAM	23.63
66	15	1772.5	75@0	QPSK	24.44
66	15	1772.5	1@74	QPSK	22.82
66	15	1772.5	75@0	16QAM	24.42
66	15	1772.5	1@74	16QAM	24.13
66	15	1772.5	75@0	64QAM	23.61
66	15	1772.5	1@74	64QAM	24.29
66	20	1720	75@0	QPSK	23.23
66	20	1720	1@74	QPSK	23.73
66	20	1720	75@0	16QAM	21.94
66	20	1720	1@74	16QAM	23.61
66	20	1720	75@0	64QAM	20.93
66	20	1720	1@74	64QAM	22.93
66	20	1745	75@0	QPSK	23.96
66	20	1745	1@74	QPSK	23.67
66	20	1745	75@0	16QAM	23.89
66	20	1745	1@74	16QAM	23.59
66	20	1745	75@0	64QAM	23.1
66	20	1745	1@74	64QAM	23.79
66	20	1770	75@0	QPSK	24.38
66	20	1770	1@74	QPSK	24.2
66	20	1770	75@0	16QAM	24.42
66	20	1770	1@74	16QAM	23.52
66	20	1770	75@0	64QAM	23.56
66	20	1770	1@74	64QAM	23.01
66	5	1712.5	100@0	QPSK	23.85
66	5	1712.5	1@99	QPSK	23.79
66	5	1712.5	100@0	16QAM	22.67
66	5	1712.5	1@99	16QAM	23.9
66	5	1712.5	100@0	64QAM	21.7
66	5	1712.5	1@99	64QAM	23.34
66	5	1745	100@0	QPSK	23.9
66	5	1745	1@99	QPSK	23.77
66	5	1745	100@0	16QAM	23.95

SCC Power (dBm)					
Band	BW(MHz)	Frequency(MHz)	RB	Modu	EIRP
66	5	1745	1@99	16QAM	23.77
66	5	1745	100@0	64QAM	23.17
66	5	1745	1@99	64QAM	23.84
66	5	1777.5	100@0	QPSK	24.12
66	5	1777.5	1@99	QPSK	24.38
66	5	1777.5	100@0	16QAM	22.53
66	5	1777.5	1@99	16QAM	24.06
66	5	1777.5	100@0	64QAM	21.63
66	5	1777.5	1@99	64QAM	23.4
66	10	1715	100@0	QPSK	23.76
66	10	1715	1@99	QPSK	23.42
66	10	1715	100@0	16QAM	22.22
66	10	1715	1@99	16QAM	23.5
66	10	1715	100@0	64QAM	21.4
66	10	1715	1@99	64QAM	23.45
66	10	1745	100@0	QPSK	23.98
66	10	1745	1@99	QPSK	23.41
66	10	1745	100@0	16QAM	23.97
66	10	1745	1@99	16QAM	23.3
66	10	1745	100@0	64QAM	23.23
66	10	1745	1@99	64QAM	23.53
66	10	1775	100@0	QPSK	24.53
66	10	1775	1@99	QPSK	24.3
66	10	1775	100@0	16QAM	24.39
66	10	1775	1@99	16QAM	24.33
66	10	1775	100@0	64QAM	23.76
66	10	1775	1@99	64QAM	24.22
66	15	1717.5	100@0	QPSK	23.66
66	15	1717.5	1@99	QPSK	23.62
66	15	1717.5	100@0	16QAM	22.11
66	15	1717.5	1@99	16QAM	23.65
66	15	1717.5	100@0	64QAM	22.19
66	15	1717.5	1@99	64QAM	22.25
66	15	1745	100@0	QPSK	23.88
66	15	1745	1@99	QPSK	23.62
66	15	1745	100@0	16QAM	23.87
66	15	1745	1@99	16QAM	23.59
66	15	1745	100@0	64QAM	23.1
66	15	1745	1@99	64QAM	23.69
66	15	1772.5	100@0	QPSK	24.42
66	15	1772.5	1@99	QPSK	24.15

SCC Power (dBm)					
Band	**BW(MHz)**	**Frequency(MHz)**	**RB**	**Modu**	**EIRP**
66	15	1772.5	100@0	16QAM	24.39
66	15	1772.5	1@99	16QAM	24.09
66	15	1772.5	100@0	64QAM	23.58
66	15	1772.5	1@99	64QAM	24.32
66	20	1720	100@0	QPSK	23.71
66	20	1720	1@99	QPSK	23.65
66	20	1720	100@0	16QAM	22.36
66	20	1720	1@99	16QAM	23.77
66	20	1720	100@0	64QAM	21.17
66	20	1720	1@99	64QAM	23.11
66	20	1745	100@0	QPSK	23.95
66	20	1745	1@99	QPSK	23.75
66	20	1745	100@0	16QAM	22.6
66	20	1745	1@99	16QAM	23.68
66	20	1745	100@0	64QAM	23.13
66	20	1745	1@99	64QAM	23.68
66	20	1770	100@0	QPSK	24.37
66	20	1770	1@99	QPSK	24.34
66	20	1770	100@0	16QAM	24.35
66	20	1770	1@99	16QAM	23.93
66	20	1770	100@0	64QAM	23.59
66	20	1770	1@99	64QAM	22.86

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwdiths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: Use cases with * are subcontracted tests.

6.2 Emission Limt

Reference

CFR 2.1051,2.1053,22.917,24.238(a), 27.53(g), 27.53(h), 27.53(m),90.669.

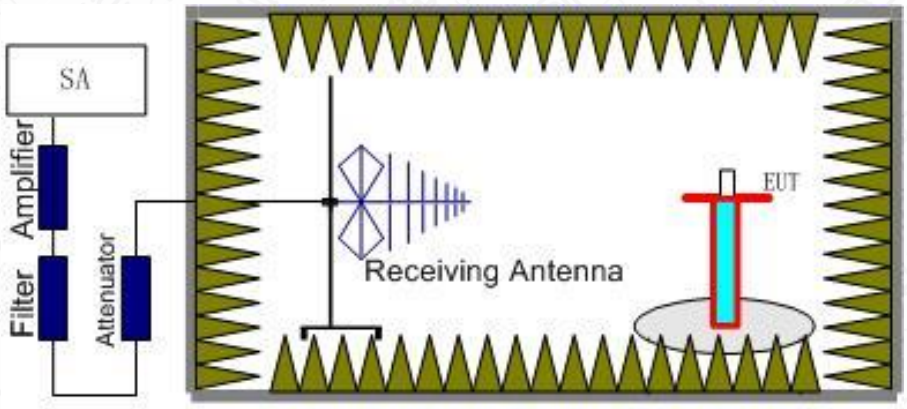
6.2.1 Measurement Method

The measurements procedures in TIA-603E-2016 are used. This measurement is carried out in fully-anechoic chamber FAC-3.

The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 27.53(g), Part 27.53(h), Part 27.53(m). The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the LTE Bands 7.

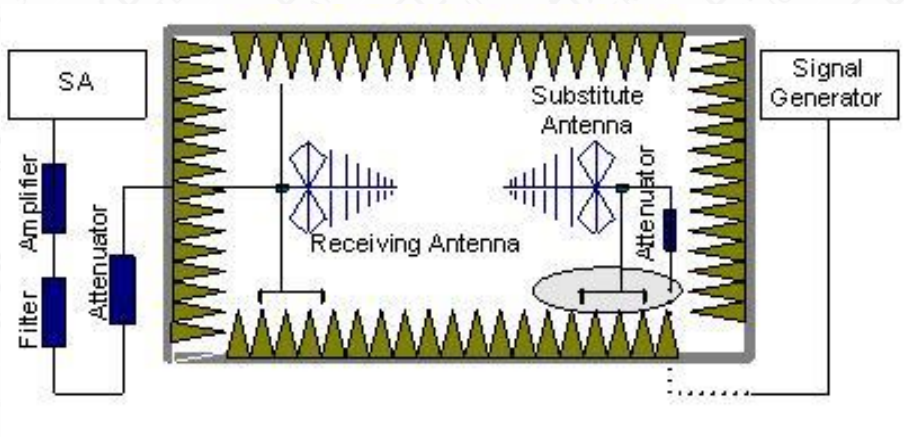
The procedure of radiated spurious emissions is as follows:

1.Below 1 GHz, EUT was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna.EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



2.The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

3.The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna. Adjust the level of the signal generator output until the value of the receiver reaches the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4.The Path loss (Ppl) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain (Ga) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (Ppl) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

Power (EIRP) =PMea- Ppl + Ga

5.This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.

6.ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

6.2.2 Measurement Limit

Part 27.53(g),27.53(h), 27.53(m) state that on any frequency outside frequency band of the US Cellular/PCS spectrum, the power of any emission shall be attenuated below the transmitter power (P, in Watts) by at least 43+10Log (P) dB. For all power levels +30 dBm to 0 dBm, this becomes a constant specification limit of -13 dBm.

According to KDB 971168 6, a relaxation of the reference bandwidth is often provided for measurements within a specified frequency range at the edge of the authorized frequency block/band. This is often implemented by permitting the use of a narrower RBW (typically limited to a minimum RBW of 1% of the OBW) for measuring the out-of-band emissions without a requirement to integrate the result over the full reference bandwidth.

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

6.2.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the LTE Bands 5.It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the LTE Bands 5. Into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The evaluated frequency range is from 30MHz to 26GHz.

BAND	Channel		Result
2	L	18607	Pass
	M	18900	Pass
	H	19193	Pass
4	L	19957	Pass
	M	20175	Pass
	H	20393	Pass
5	L	20407	Pass
	M	20525	Pass
	H	20643	Pass
7	L	20775	Pass
	M	21100	Pass
	H	21425	Pass
12	L	23017	Pass
	M	23095	Pass
	H	23173	Pass
13	L	23205	Pass
	M	23230	Pass
	H	23255	Pass
14	L	23305	Pass
	M	23330	Pass
	H	23355	Pass
17	L	23755	Pass

	M	23790	Pass
	H	23825	Pass
25	L	26047	Pass
	M	26365	Pass
	H	26683	Pass
26	L	27033	Pass
	M	26915	Pass
	H	26797	Pass
30	L	27600	Pass
	M	27710	Pass
	H	27759	Pass
38	L	37775	Pass
	M	38000	Pass
	H	38225	Pass
41	L	40065	Pass
	M	40640	Pass
	H	41215	Pass
42	L	41590	Pass
	M	42590	Pass
	H	43589	Pass
43	L	43590	Pass
	M	44590	Pass
	H	45589	Pass
66	L	131972	Pass
	M	132322	Pass
	H	132671	Pass
71	L	133147	Pass
	M	133297	Pass

	H	133447	Pass

Only worst case result is given below

RSE-LTE4-S01aa-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
3204.3	-44.14	6.1	6.9	-43.34	-13	V
4729.9	-42.96	7.5	9.0	-41.46	-13	V
5791.5	-36.89	8.4	10.2	-35.09	-13	H
7748.4	-38.27	9.8	11.8	-36.27	-13	H
9800.0	-48.37	11.0	12.5	-46.87	-13	H
15137.0	-39.73	14.4	12.3	-41.83	-13	V

RSE-LTE4-S01aa-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
3426.0	-47.51	6.4	7.8	-46.11	-13	H
5147.0	-43.67	7.9	9.4	-42.17	-13	V
6840.8	-40.26	9.2	10.9	-38.56	-13	V
8526.0	-51.79	10.3	12.6	-49.49	-13	H
10295.0	-47.74	11.5	12.3	-46.94	-13	H
12008.0	-45.59	12.6	12.3	-45.89	-13	V

RSE-LTE4-S01aa-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
3472.9	-46.81	6.4	7.8	-45.41	-13	H
5162.8	-43.8	7.9	9.4	-42.3	-13	V
6870.5	-40.64	9.2	10.9	-38.94	-13	H
8540.0	-52.18	10.3	12.6	-49.88	-13	V
10264.0	-48.14	11.5	12.3	-47.34	-13	H
12069.0	-44.51	12.6	12.3	-44.81	-13	H

RSE-LTE14-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization

1562.8	-52.5	4.2	5.3	-51.4	-40	H
2682.3	-42.99	5.6	6.1	-42.49	-13	H
3448.4	-53.56	6.4	7.8	-52.16	-13	V
4520.8	-52.73	7.3	8.7	-51.33	-13	V
5514.8	-52.4	8.2	9.8	-50.8	-13	H
6473.2	-51.83	8.9	10.6	-50.13	-13	V

RSE-LTE14-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
1609.2	-52.24	4.2	5.3	-51.14	-40	V
2534.2	-41.09	5.4	5.6	-40.89	-13	V
3576.0	-53.18	6.5	7.8	-51.88	-13	V
4554.0	-52.58	7.4	8.7	-51.28	-13	H
5758.4	-53.53	8.5	10.2	-51.83	-13	H
7154.8	-53.38	9.4	11.4	-51.38	-13	V

RSE-LTE14-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
1597.1	-52.78	4.2	5.3	-51.68	-40	V
2606.2	-42.53	5.5	5.6	-42.43	-13	H
3553.6	-53.73	6.4	7.8	-52.33	-13	H
4578.4	-53.21	7.4	8.7	-51.91	-13	H
5599.2	-53.39	8.3	9.8	-51.89	-13	H
6598.0	-52.48	9.1	10.6	-50.98	-13	V

RSE-LTE38-S01aa-H

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
5807.0	-41.61	8.4	10.2	-39.81	-13	H
7465.0	-38.76	9.7	11.6	-36.86	-13	V
9224.0	-50.89	10.5	12.6	-48.79	-13	V
10708.0	-48.39	11.7	12.3	-47.79	-13	H

12345.0	-44.87	12.7	12.3	-45.27	-13	H
14360.0	-43.96	13.9	12.3	-45.56	-13	H

RSE-LTE38-S01aa-L

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
5085.9	-42.95	7.9	9.6	-41.25	-13	V
7173.8	-39.52	9.4	11.4	-37.52	-13	V
9667.0	-50.1	10.9	12.7	-48.3	-13	H
11490.0	-45.36	12.3	12.3	-45.36	-13	V
13695.0	-44.39	13.9	12.3	-45.99	-13	H
15949.0	-37.38	15.0	12.3	-40.08	-13	V

RSE-LTE38-S01aa-M

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBd)	Peak ERP (dBm)	Limit （dBm）	Polarization
5679.6	-39.59	8.5	10.2	-37.89	-13	V
7473.8	-39.69	9.7	11.6	-37.79	-13	V
9246.0	-49.46	10.5	12.6	-47.36	-13	V
10561.0	-46.15	11.6	12.3	-45.45	-13	V
12310.0	-44.54	12.7	12.3	-44.94	-13	H
14215.0	-44.15	13.7	12.3	-45.55	-13	H

6.3 Frqency Stability

Reference

CFR Part 2.1055,22.235,24.235,27.54,90.213(a).

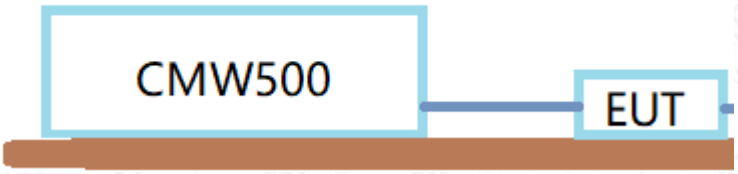
6.3.1 Method of Measurement

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 R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.
1.Measure the carrier frequency at room temperature.
2.Subject the EUT to overnight soak at -10℃.
3.With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel for LTE band 7. 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℃ increments from -10℃ to +50℃. 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℃.
7.With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre 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 ℃ decrements from +50℃ to -10℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9.At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.

6.3.2Measurement Limit

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. 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 between 3.6VDC and 4.35VDC, with a nominal voltage of 3.8VDC. 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. For the purposes of measuring frequency stability these voltage limits are to be used.

6.3.3 Test Setup



6.3.4 Measurement results

LTE band 2, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		1.07	0.0006
40		3.99	0.0021
30		3.07	0.0016
10		4.49	0.0024
0		5.44	0.0029
-10		6.23	0.0033
-20		8.39	0.0045
-30		8.36	0.0044

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	9.65	0.0051
4.4		9.72	0.0052

LTE band 4, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-2.34	0.0013
40		-3.42	0.0020
30		-4.01	0.0023
10		-3.04	0.0018
0		-1.85	0.0011
-10		0.09	0.0001
-20		2.51	0.0014
-30		5.22	0.0030

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	6.62	0.0038
4.4		7.56	0.0044

LTE band 5, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8	-5.16	0.0062
50		-3.50	0.0042
40		0.18	0.0002
30		4.98	0.0059
10		7.79	0.0093
0		10.21	0.0122
-10		11.62	0.0139
-20		11.63	0.0139
-30			

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	12.35	0.0148
4.4		13.59	0.0162

LTE band 7, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8	-0.65	0.0003
50		-0.55	0.0002
40		-0.91	0.0004
30		0.58	0.0002
10		-1.45	0.0006
0		-0.39	0.0002
-10		-0.16	0.0001
-20		-2.09	0.0008
-30			

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.55	0.0002
4.4		-0.82	0.0003

LTE band 12, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		4.65	0.0066
40		6.20	0.0088
30		8.01	0.0113
10		8.70	0.0123
0		8.94	0.0126
-10		9.17	0.0130
-20		8.93	0.0126
-30		9.72	0.0137

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	9.14	0.0129
4.4		9.54	0.0135

LTE band 13, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.15	0.0002
40		0.01	0.0000
30		-0.40	0.0005
10		-0.44	0.0006
0		-1.04	0.0013
-10		0.25	0.0003
-20		-0.63	0.0008
-30		-0.79	0.0010

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.14	0.0002
4.4		-0.24	0.0003

LTE band 14, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-1.43	0.0018
40		-1.86	0.0023
30		-0.77	0.0010
10		-1.53	0.0019
0		-0.85	0.0011
-10		-2.28	0.0029
-20		-0.11	0.0001
-30		-2.17	0.0027

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-1.67	0.0021
4.4		-1.59	0.0020

LTE band 17, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-0.74	0.0010
40		-1.23	0.0017
30		-0.76	0.0011
10		-0.96	0.0014
0		-1.20	0.0017
-10		-0.91	0.0013
-20		-1.12	0.0016
-30		-1.71	0.0024

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-1.48	0.0021
4.4		-1.48	0.0021

LTE band 25, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-3.69	0.0020
40		-6.51	0.0035
30		-5.72	0.0030
10		-6.45	0.0034
0		-6.08	0.0032
-10		-2.50	0.0013
-20		1.03	0.0005
-30		2.25	0.0012

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)

3.135	20	5.07	0.0027
4.4		8.09	0.0043

LTE band 26PART22, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-6.33	0.0076
40		-4.80	0.0057
30		1.27	0.0015
10		6.60	0.0079
0		9.65	0.0115
-10		13.12	0.0157
-20		13.41	0.0160
-30		14.32	0.0171

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	14.33	0.0171
4.4		15.43	0.0184

LTE band 26PART90, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		3.96	0.0048
40		6.30	0.0077
30		9.35	0.0114
10		9.90	0.0121
0		10.55	0.0129
-10		11.30	0.0138
-20		11.15	0.0136
-30		10.76	0.0131

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	11.34	0.0138
4.4		11.09	0.0135

LTE band 30, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-0.61	0.0003
40		0.15	0.0001
30		-0.51	0.0002
10		-0.99	0.0004
0		-0.15	0.0001
-10		0.37	0.0002
-20		-0.55	0.0002
-30		-0.60	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	0.74	0.0003
4.4		-0.98	0.0004

LTE band 38, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		3.50	0.0013
40		2.09	0.0008
30		1.65	0.0006
10		1.14	0.0004
0		2.20	0.0008
-10		1.65	0.0006
-20		1.72	0.0007
-30		1.25	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	2.17	0.0008
4.4		3.50	0.0013

LTE band 41, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-0.75	0.0003
40		0.93	0.0004
30		0.12	0.0000
10		0.26	0.0001
0		-0.10	0.0000
-10		0.04	0.0000
-20		-0.73	0.0003
-30		-0.44	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.62	0.0002
4.4		-0.46	0.0002

LTE band 42Part27, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-0.40	0.0001
40		-0.03	0.0000
30		1.12	0.0003
10		-0.53	0.0002
0		-0.38	0.0001
-10		-0.59	0.0002
-20		0.12	0.0000

-30		0.92	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.70	0.0002
4.4		-0.24	0.0001

LTE band 43Part27, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.88	0.0002
40		0.68	0.0002
30		0.39	0.0001
10		0.41	0.0001
0		1.08	0.0003
-10		-0.54	0.0001
-20		-0.11	0.0000
-30		0.31	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	1.45	0.0004
4.4		0.94	0.0003

LTE band 66, BW1_4MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.99	0.0006
40		1.33	0.0008
30		-0.59	0.0003
10		-0.50	0.0003
0		-2.08	0.0012
-10		-3.00	0.0017
-20		-3.86	0.0022
-30		-4.98	0.0029

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-5.46	0.0031
4.4		-5.34	0.0031

LTE band 71, 5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.61	0.0009
40		-0.71	0.0010
30		0.07	0.0001
10		-0.96	0.0014
0		-0.58	0.0009
-10		-0.89	0.0013
-20		-0.71	0.0010
-30		-0.85	0.0012

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.82	0.0012
4.4		-0.84	0.0012

LTE band 2_CA, 5MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		3.62	0.0019
40		6.82	0.0036
30		9.26	0.0049
10		12.88	0.0069
0		15.05	0.0080
-10		16.19	0.0086
-20		18.34	0.0098
-30		20.05	0.0107

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	21.34	0.0114
4.4		23.54	0.0125

LTE band 5_CA, 3MHz+5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.94	0.0011
40		1.27	0.0015
30		2.04	0.0024
10		1.67	0.0020
0		2.60	0.0031
-10		2.90	0.0035
-20		2.35	0.0028
-30		2.23	0.0027

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	3.53	0.0042
4.4		3.36	0.0040

LTE band 38_CA, 15MHz+15MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		-0.57	0.0002
40		-1.47	0.0006
30		-0.80	0.0003
10		-1.54	0.0006
0		-0.46	0.0002
-10		-0.97	0.0004
-20		-0.66	0.0003
-30		-0.57	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	-0.57	0.0002
4.4		-1.80	0.0007

LTE band 41_CA, 5MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		1.30	0.0005
40		1.18	0.0005
30		1.01	0.0004
10		0.73	0.0003
0		1.86	0.0007
-10		2.96	0.0011
-20		2.59	0.0010
-30		2.42	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	2.97	0.0011
4.4		3.52	0.0014

LTE band 42Part27_CA, 5MHz+20MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		1.32	0.0004
40		-0.49	0.0001
30		0.20	0.0001
10		0.45	0.0001
0		1.18	0.0003
-10		0.64	0.0002
-20		0.92	0.0003
-30		2.03	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	2.34	0.0007
4.4		3.08	0.0009

LTE band 43Part27_CA, 20MHz+5MHz bandwidth QPSK(worst case of all bandwidths)*

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
25	3.8		
50		8.60	0.00332
40		13.86	0.00534
30		1.82	0.00070
10		17.54	0.00676
0		7.19	0.00277
-10		7.00	0.00270
-20		5.99	0.00231
-30		13.59	0.00524

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)

3.135	25	17.16	0.00661
4.4		12.42	0.00479

LTE band 66_CA, 5MHz+5MHz bandwidth QPSK(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		1.27	0.0007
40		0.99	0.0006
30		0.97	0.0006
10		1.93	0.0011
0		2.09	0.0012
-10		1.59	0.0009
-20		2.57	0.0015
-30		2.58	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	1.78	0.0010
4.4		2.11	0.0012

LTE band 2@CA_2+66, 5MHzbandwidth 5MHz(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		1.11	0.0006
40		4.08	0.0022
30		5.66	0.0030
10		6.60	0.0035
0		6.00	0.0032
-10		5.10	0.0027
-20		7.09	0.0038
-30		7.91	0.0042

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	9.03	0.0048
4.4		8.12	0.0043

LTE band 66@CA_2+66, 20MHzbandwidth 20MHz(worst case of all bandwidths)

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	Offset(Hz)	Frequency error(ppm)
20	3.8		
50		0.66	0.0004
40		2.25	0.0013
30		1.12	0.0006
10		0.88	0.0005
0		1.06	0.0006
-10		1.31	0.0007
-20		2.44	0.0014
-30		0.73	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	Offset(Hz)	Frequency error(ppm)
3.135	20	1.10	0.0006
4.4		2.31	0.0013

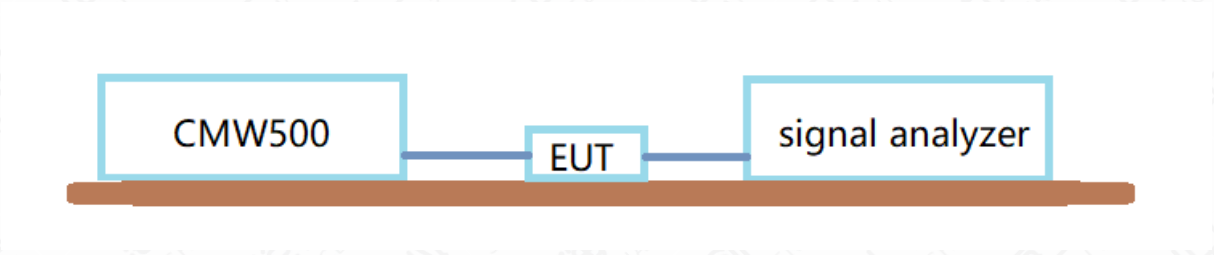
Note: Use cases with * are subcontracted tests.

6.4 Occupied Bandwidth

Reference

CFR Part 2.1049(h) (i)

6.4.1 Test Setup



6.4.2 Occupied Bandwidth Results

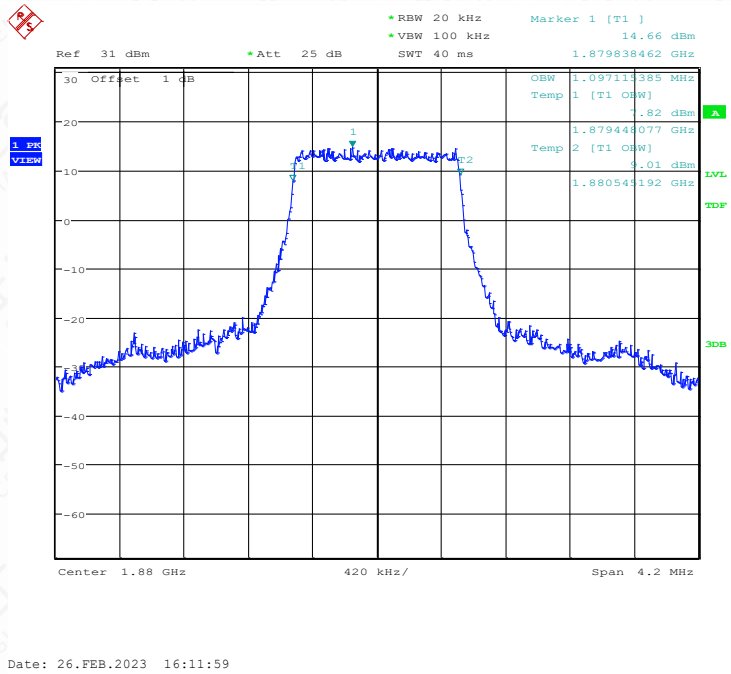
Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the US Cellular/PCS frequency bands. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.
The measurement method is from KDB 971168 4:
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 (i.e., two to five times the OBW).
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
d) Set the detection mode to peak, and the trace mode to max hold.
e) Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

Occupied Bandwidth Measurement Results:

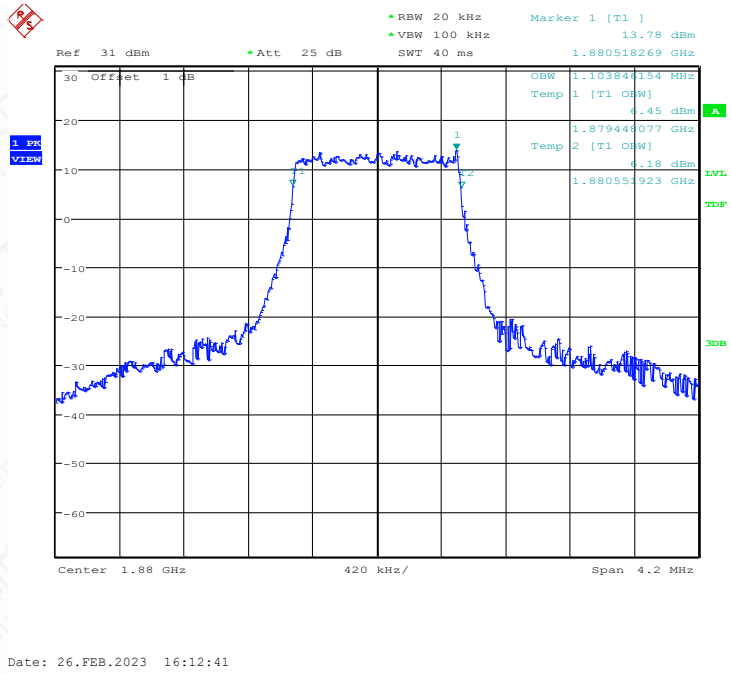
LTE band 2,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	1.097	1.104	1.097

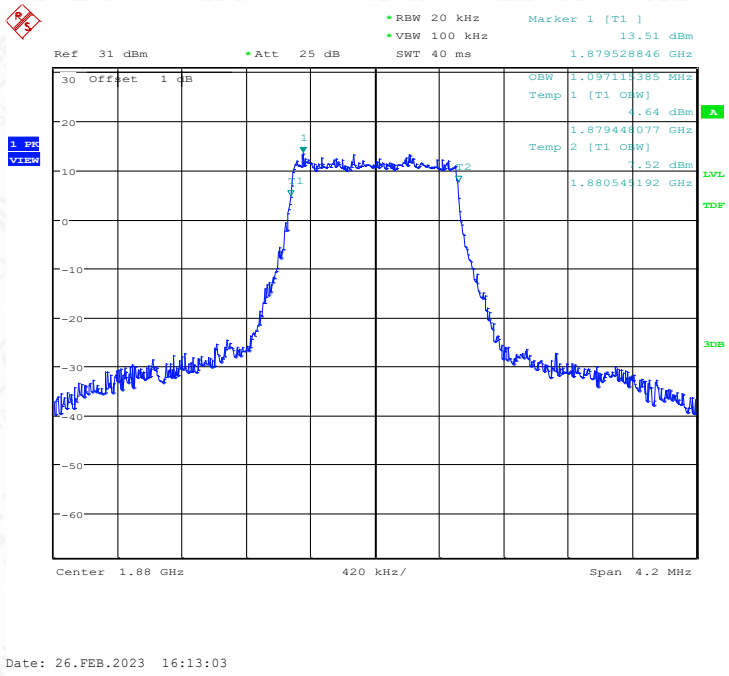
LTE band 2 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



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



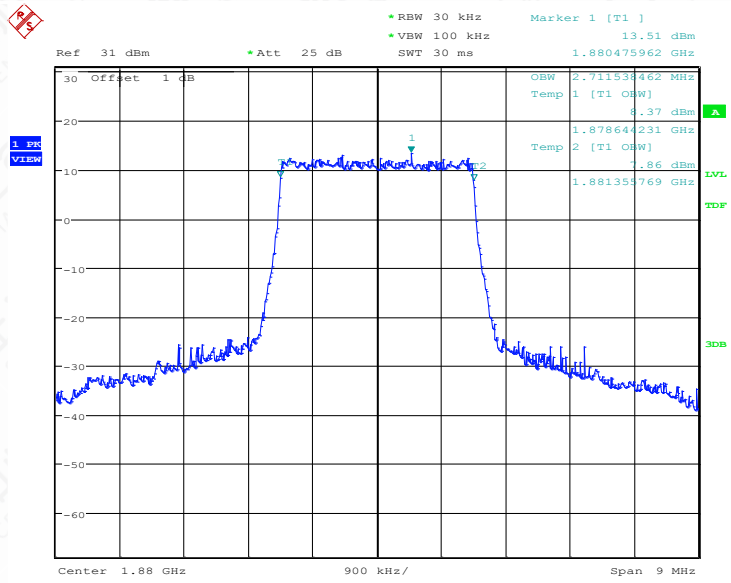
LTE band 2 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



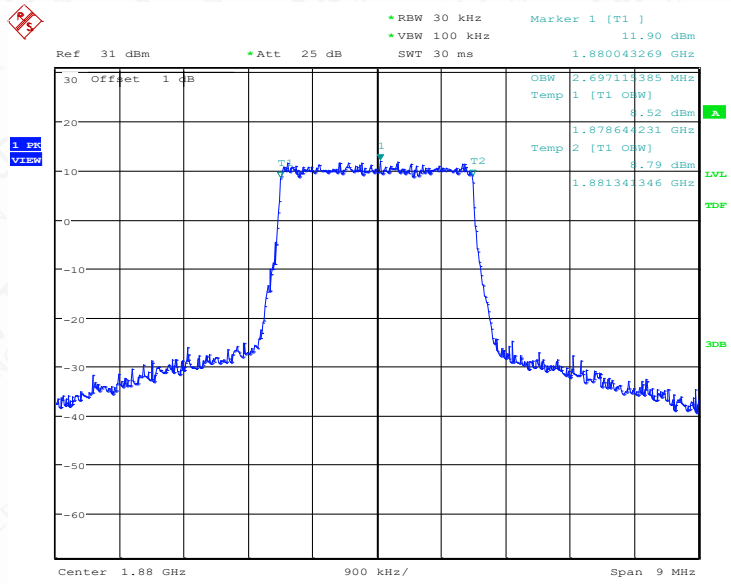
LTE band 2,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	2.712	2.697	2.712

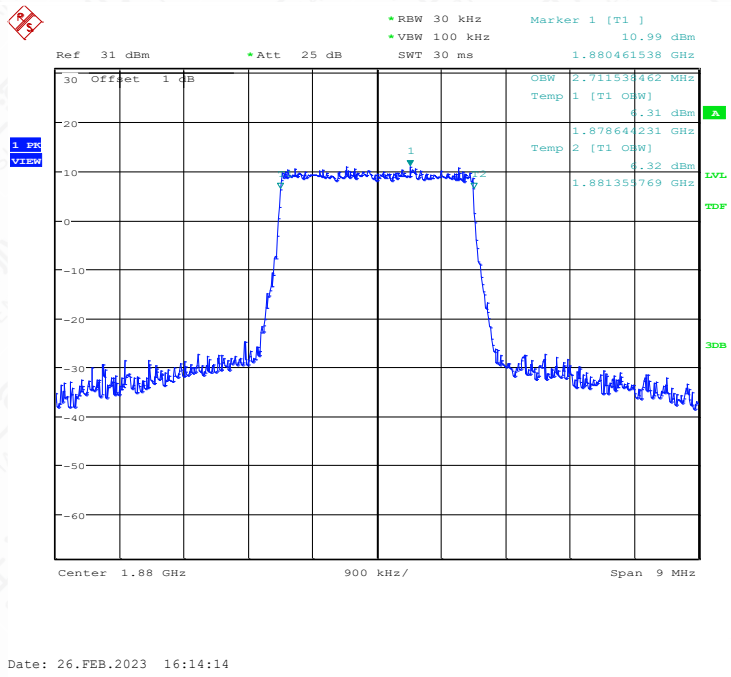
LTE band 2 , 3MHz Bandwidth,MID,QPSK (99% BW)



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



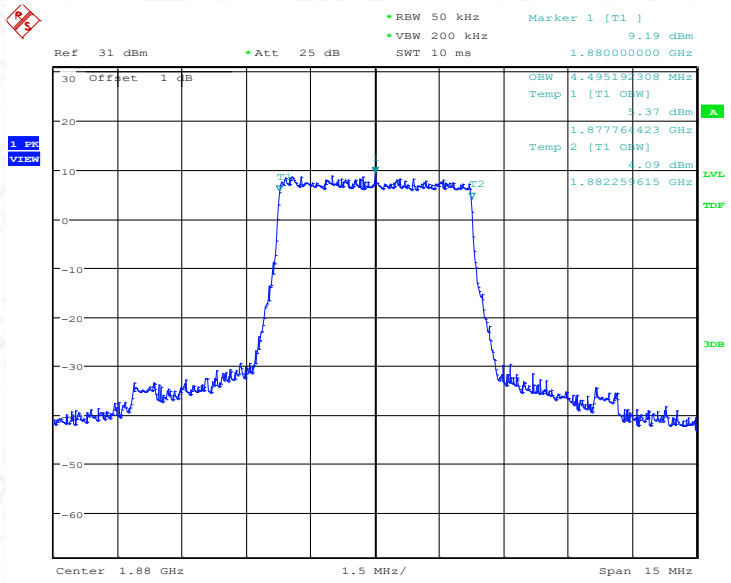
LTE band 2 , 3MHz Bandwidth,MID,64QAM (99% BW)


RBW 30 kHz
VBW 100 kHz
SWT 30 ms
Marker 1 [T1]
10.99 dBm
1.880461538 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 2.711538462 MHz
Temp 1 [T1 OBW]
6.31 dBm
1.878644231 GHz
Temp 2 [T1 OBW]
6.32 dBm
1.881355769 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.88 GHz
900 kHz/
Span 9 MHz
Date: 26.FEB.2023 16:14:14

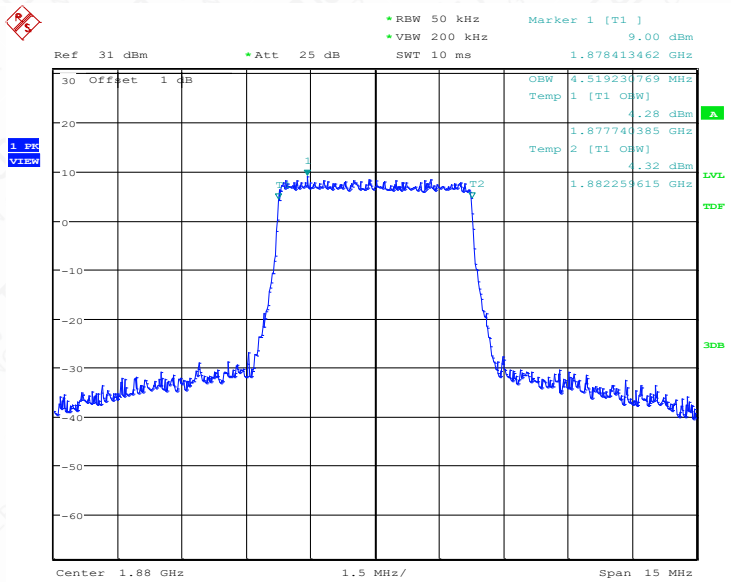
LTE band 2,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	4.495	4.519	4.495

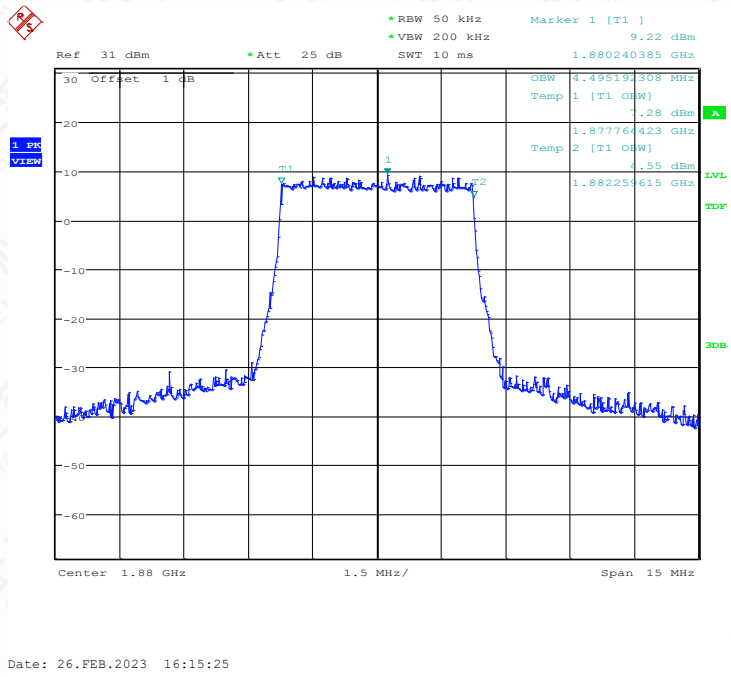
LTE band 2 , 5MHz Bandwidth,MID,QPSK (99% BW)



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



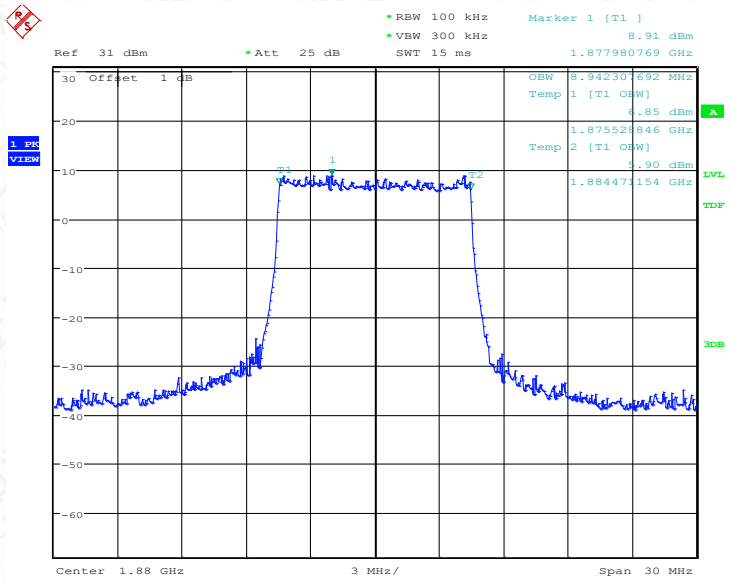
LTE band 2 , 5MHz Bandwidth,MID,64QAM (99% BW)


RBW 50 kHz
VBW 200 kHz
SWT 10 ms
Marker 1 [T1]
9.22 dBm
1.880240385 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 4.495192308 MHz
Temp 1 [T1 OBW]
7.28 dBm
1.877764423 GHz
Temp 2 [T1 OBW]
4.55 dBm
1.882259615 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.88 GHz
1.5 MHz/
Span 15 MHz
Date: 26.FEB.2023 16:15:25

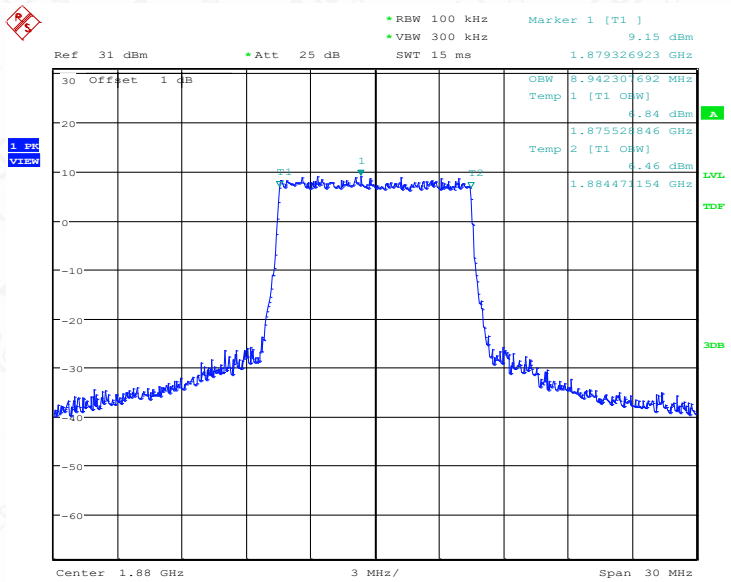
LTE band 2,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	8.942	8.942	8.942

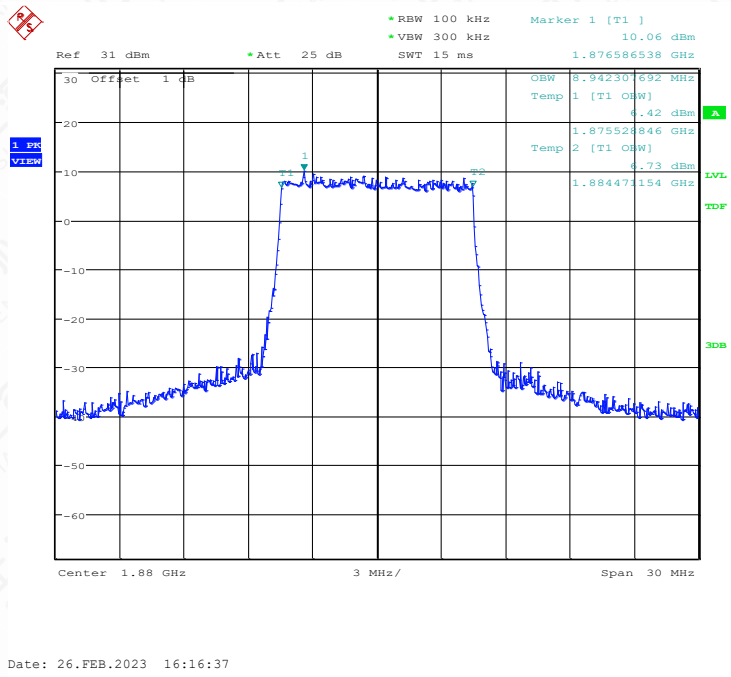
LTE band 2 , 10MHz Bandwidth,MID,QPSK (99% BW)



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



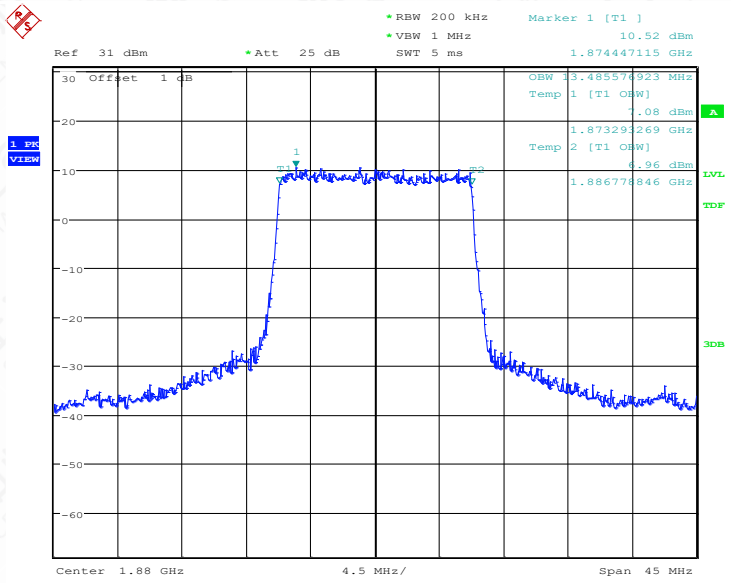
LTE band 2 , 10MHz Bandwidth,MID,64QAM (99% BW)


RBW 100 kHz
VBW 300 kHz
SWT 15 ms
Marker 1 [T1]
10.06 dBm
1.876586538 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 8.94230769 MHz
Temp 1 [T1 OBW]
6.42 dBm
1.87552884 6 GHz
Temp 2 [T1 OBW]
6.73 dBm
1.88447115 4 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.88 GHz
3 MHz/
Span 30 MHz
Date: 26.FEB.2023 16:16:37

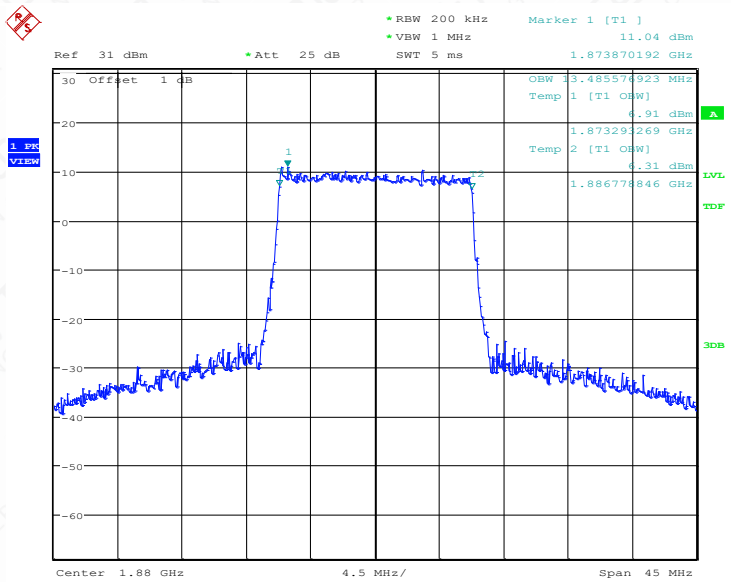
LTE band 2,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	13.486	13.486	13.486

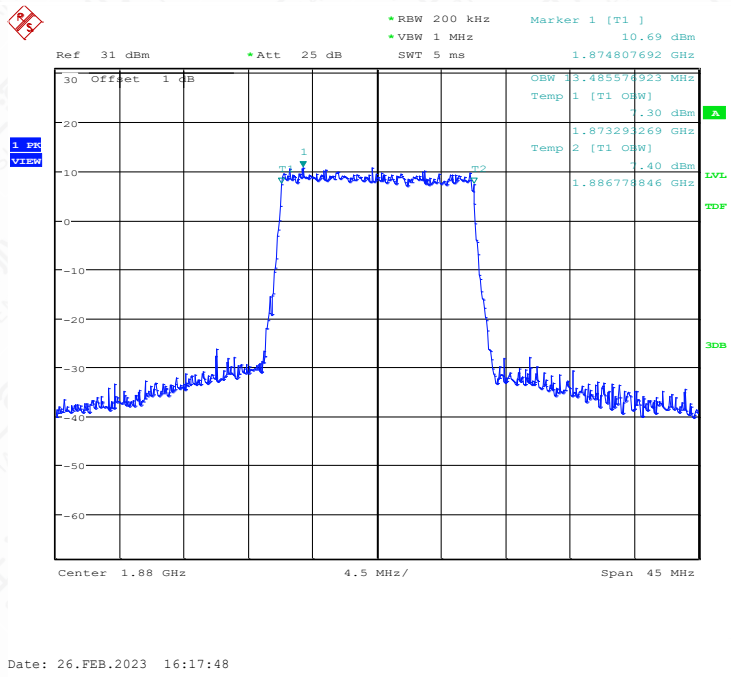
LTE band 2 , 15MHz Bandwidth,MID,QPSK (99% BW)



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



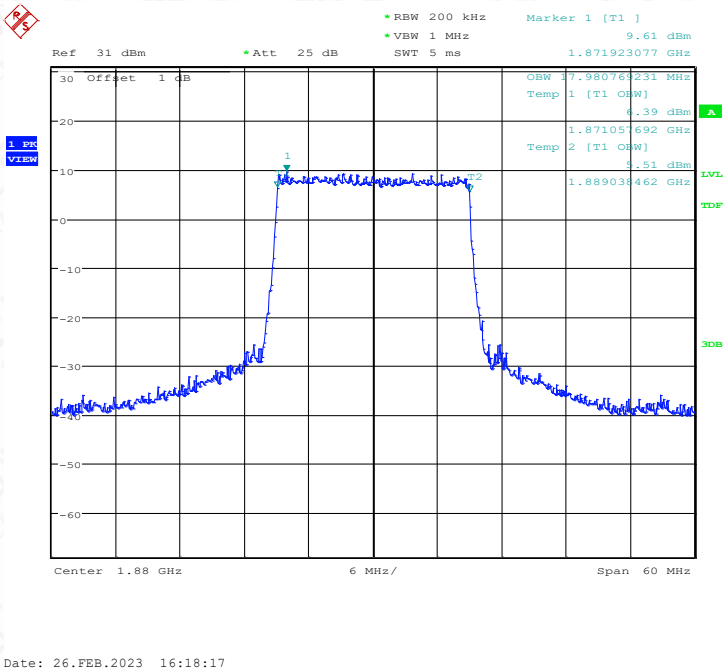
LTE band 2 , 15MHz Bandwidth,MID,64QAM (99% BW)


RBW 200 kHz
VBW 1 MHz
SWT 5 ms
Marker 1 [T1]
10.69 dBm
1.874807692 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 13.485576923 MHz
Temp 1 [T1 OBW]
7.30 dBm
1.873293269 GHz
Temp 2 [T1 OBW]
7.40 dBm
1.886778846 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.88 GHz
4.5 MHz/
Span 45 MHz
Date: 26.FEB.2023 16:17:48

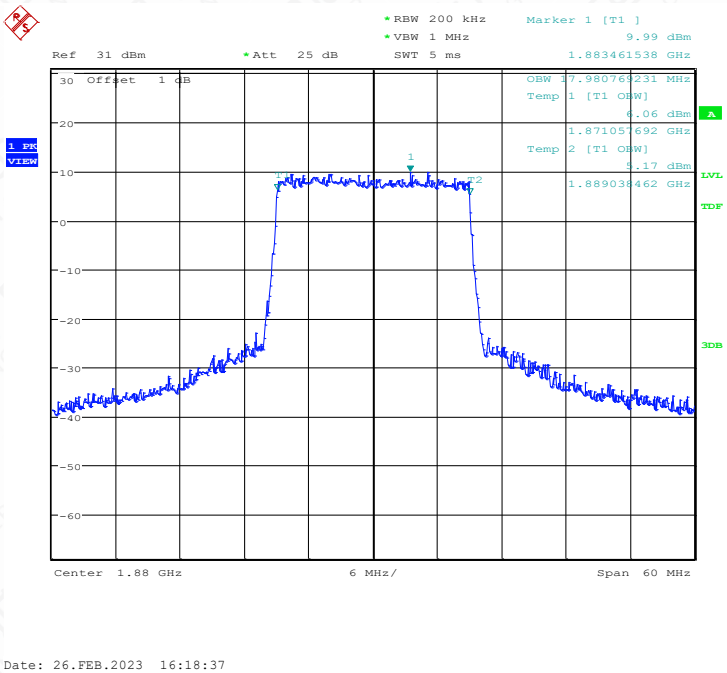
LTE band 2,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1880	17.981	17.981	17.981

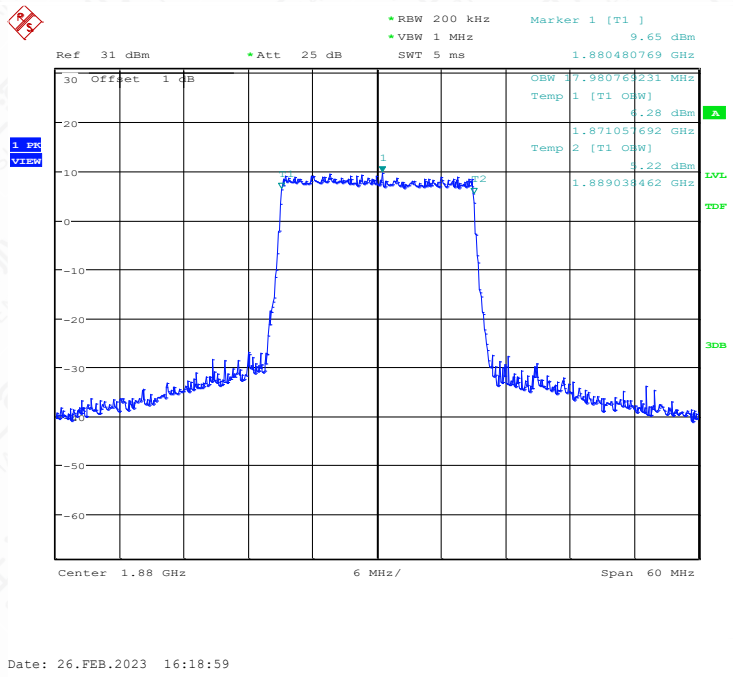
LTE band 2 , 20MHz Bandwidth,MID,QPSK (99% BW)



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



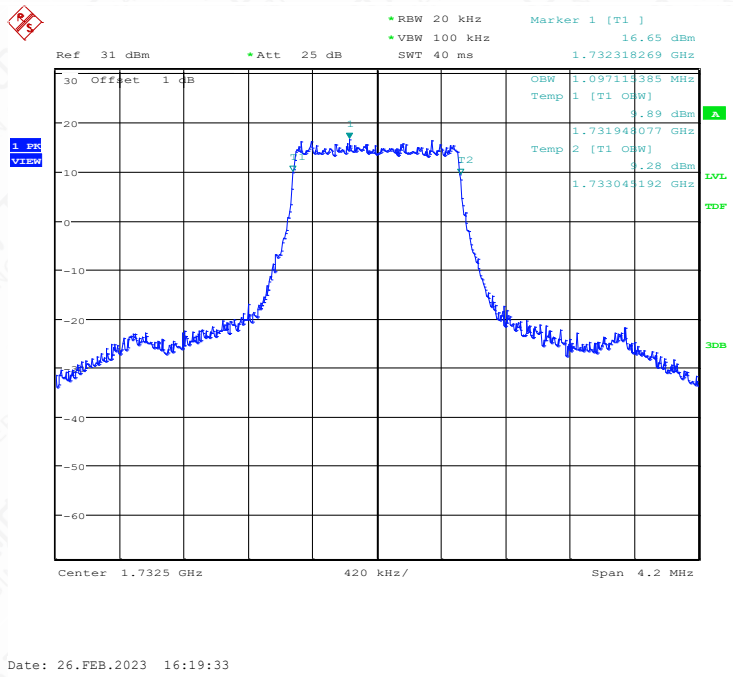
LTE band 2 , 20MHz Bandwidth,MID,64QAM (99% BW)



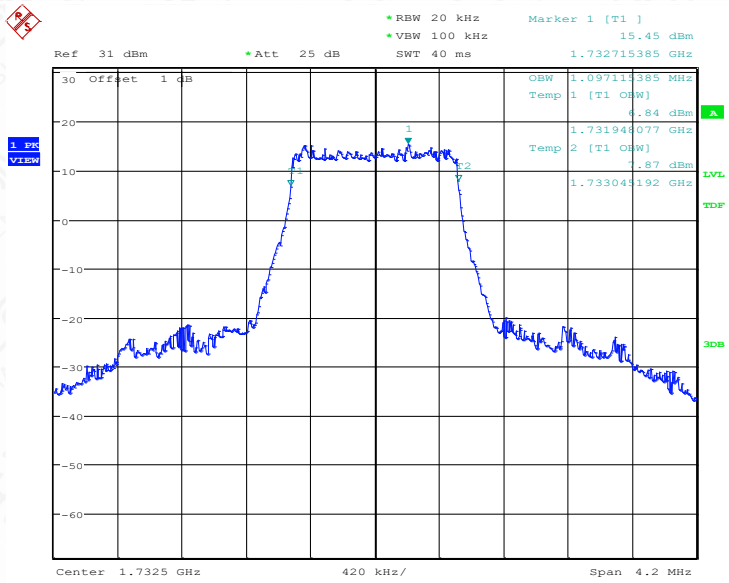
LTE band 4,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	1.097	1.097	1.097

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

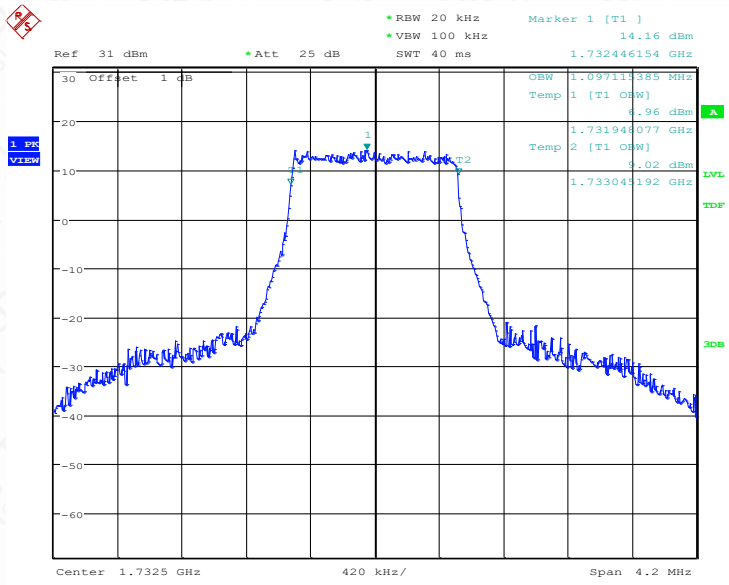


LTE band 4 , 1.4MHz Bandwidth,MID,16QAM (99% BW)



Date: 26.FEB.2023 16:19:54

LTE band 4 , 1.4MHz Bandwidth,MID,64QAM (99% BW)

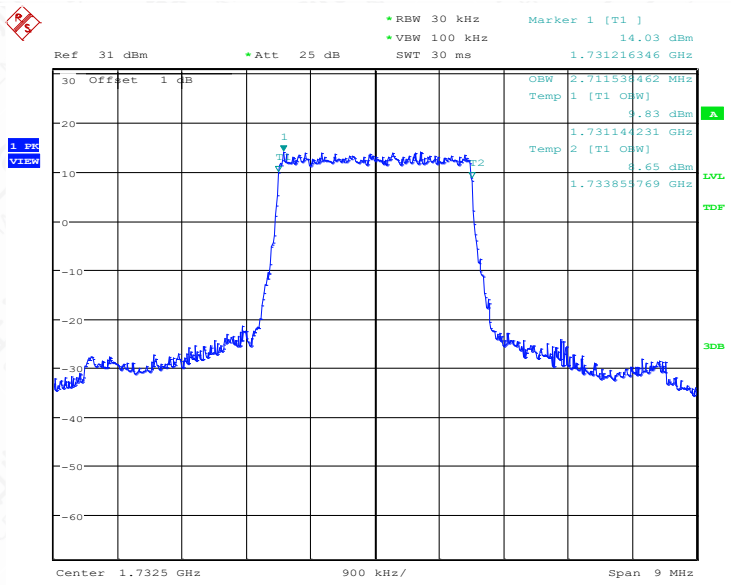


Date: 26.FEB.2023 16:20:16

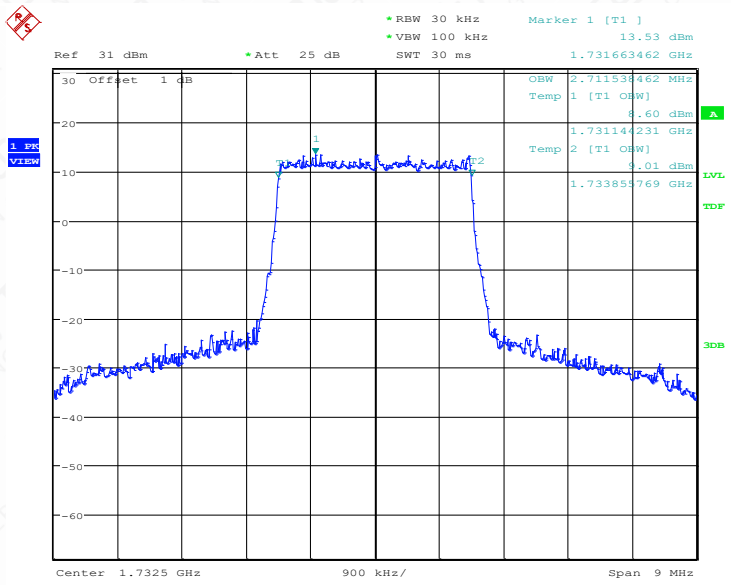
LTE band 4,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	2.712	2.712	2.712

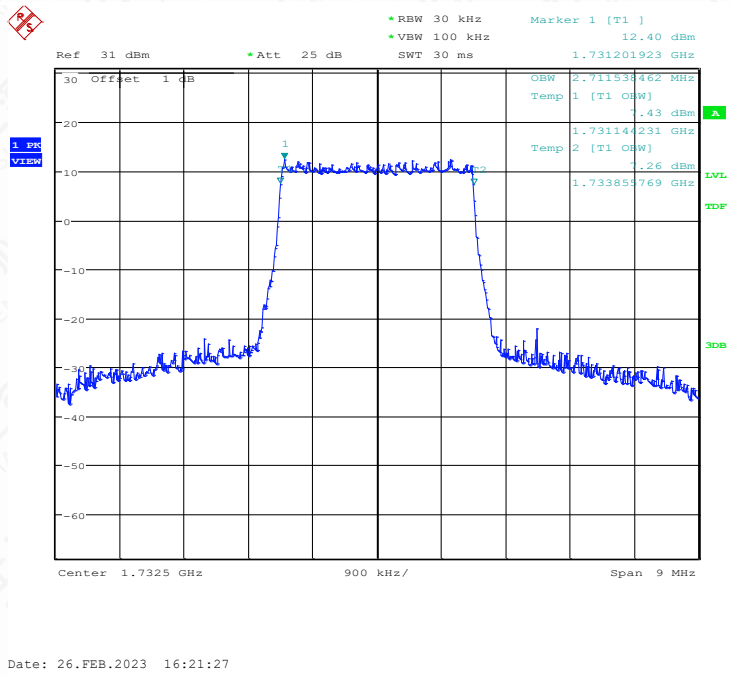
LTE band 4 , 3MHz Bandwidth,MID,QPSK (99% BW)



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



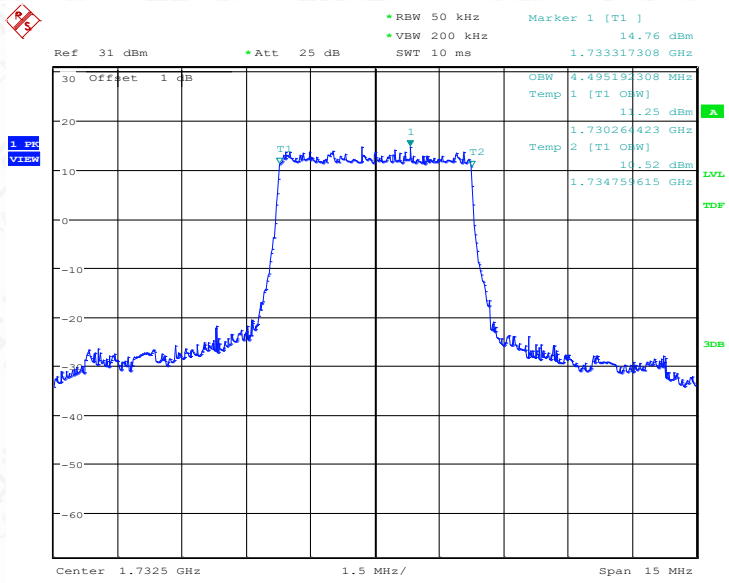
LTE band 4 , 3MHz Bandwidth,MID,64QAM (99% BW)


RBW 30 kHz
VBW 100 kHz
SWT 30 ms
Marker 1 [T1]
12.40 dBm
1.731201923 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 2.711538462 MHz
Temp 1 [T1 OBW]
7.43 dBm
1.731144231 GHz
Temp 2 [T1 OBW]
7.26 dBm
1.733855769 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.7325 GHz
900 kHz/
Span 9 MHz
Date: 26.FEB.2023 16:21:27

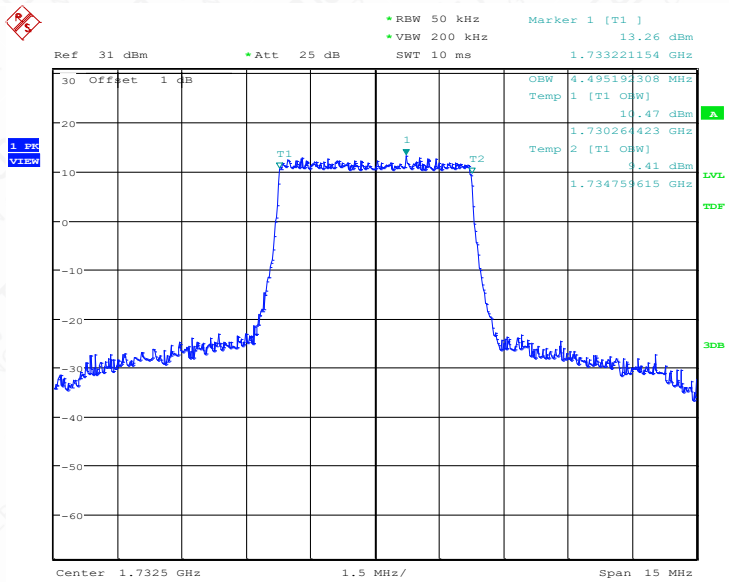
LTE band 4,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	4.495	4.495	4.519

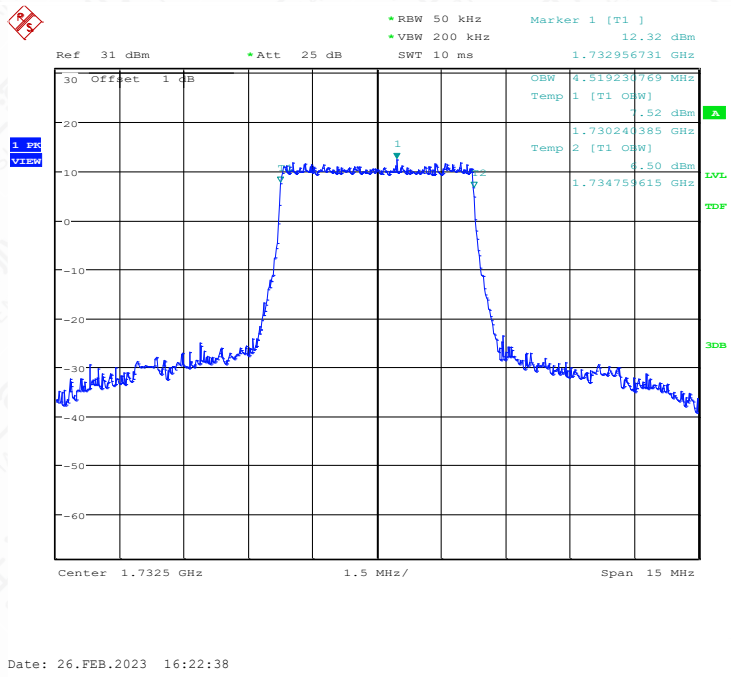
LTE band 4 , 5MHz Bandwidth,MID,QPSK (99% BW)



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



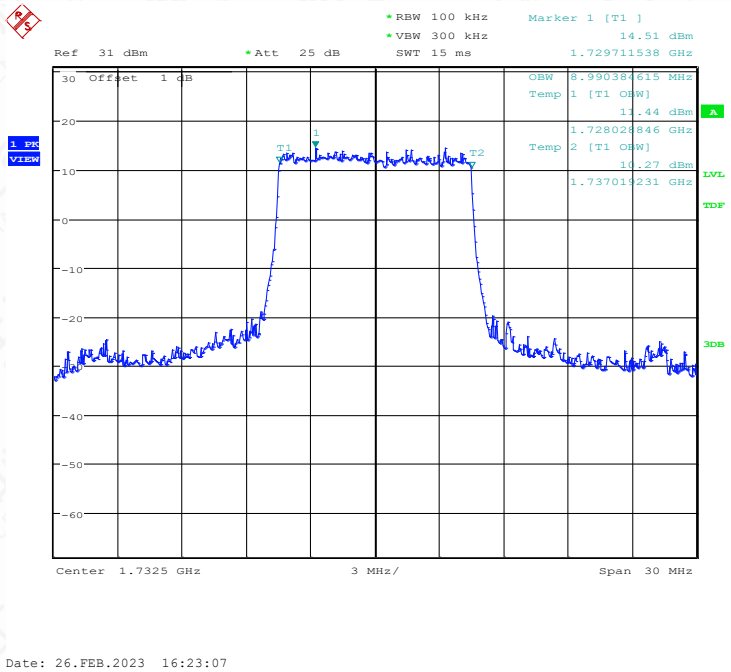
LTE band 4 , 5MHz Bandwidth,MID,64QAM (99% BW)


RBW 50 kHz
VBW 200 kHz
SWT 10 ms
Marker 1 [T1]
12.32 dBm
1.732956731 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 4.519230769 MHz
Temp 1 [T1 OBW]
7.52 dBm
1.730240385 GHz
Temp 2 [T1 OBW]
6.50 dBm
1.734759615 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.7325 GHz
1.5 MHz/
Span 15 MHz
Date: 26.FEB.2023 16:22:38

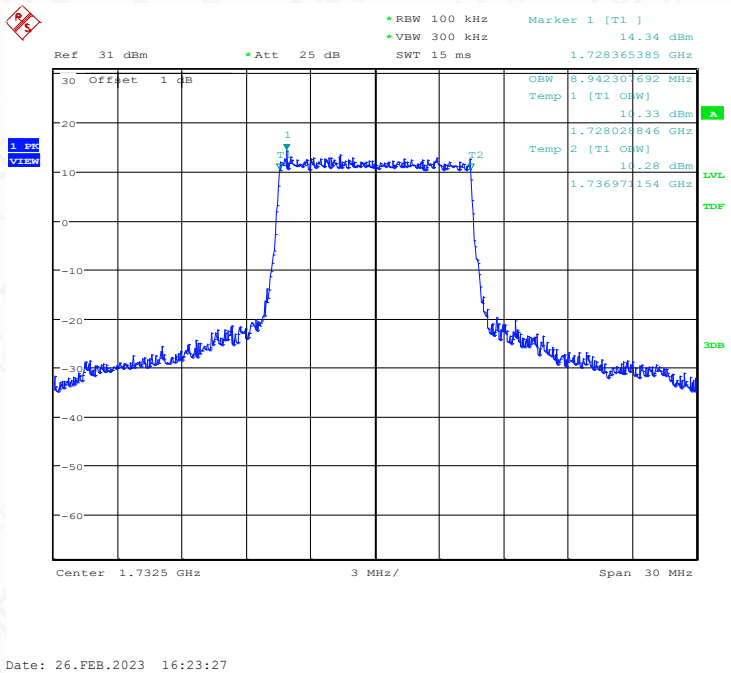
LTE band 4,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	8.990	8.942	9.038

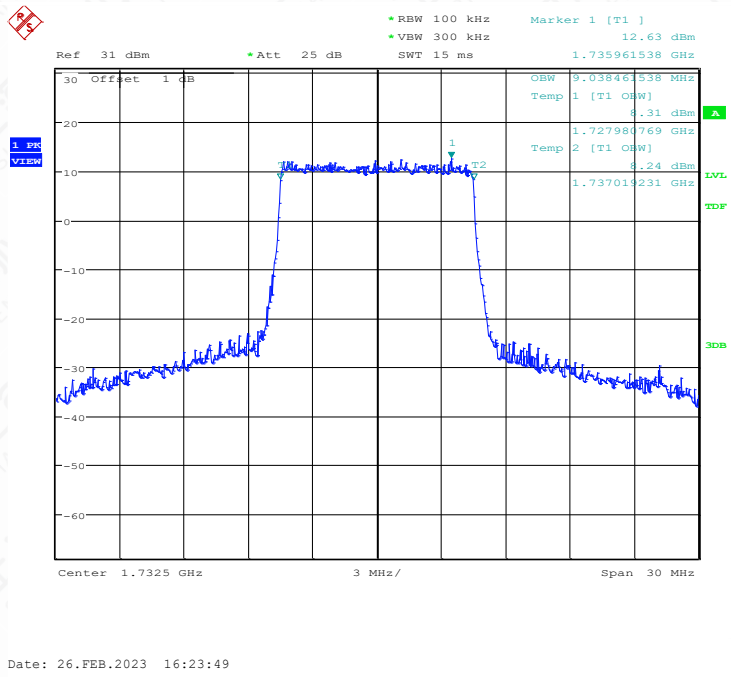
LTE band 4 , 10MHz Bandwidth,MID,QPSK (99% BW)



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



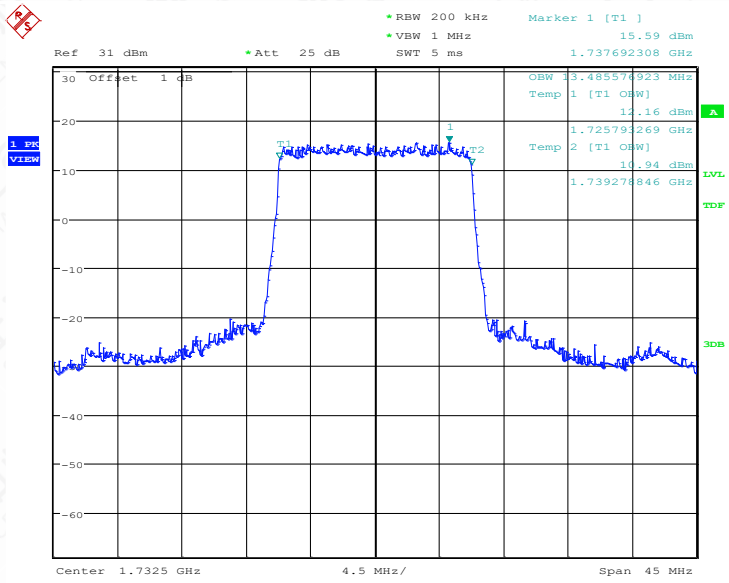
LTE band 4 , 10MHz Bandwidth,MID,64QAM (99% BW)


RBW 100 kHz
VBW 300 kHz
SWT 15 ms
Marker 1 [T1]
12.63 dBm
1.735961538 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 9.038461538 MHz
Temp 1 [T1 OBW]
8.31 dBm
1.727980769 GHz
Temp 2 [T1 OBW]
8.24 dBm
1.737019231 GHz
1 PK
VIEW
A
LVL
TDF
3DB
Center 1.7325 GHz
3 MHz/
Span 30 MHz
Date: 26.FEB.2023 16:23:49

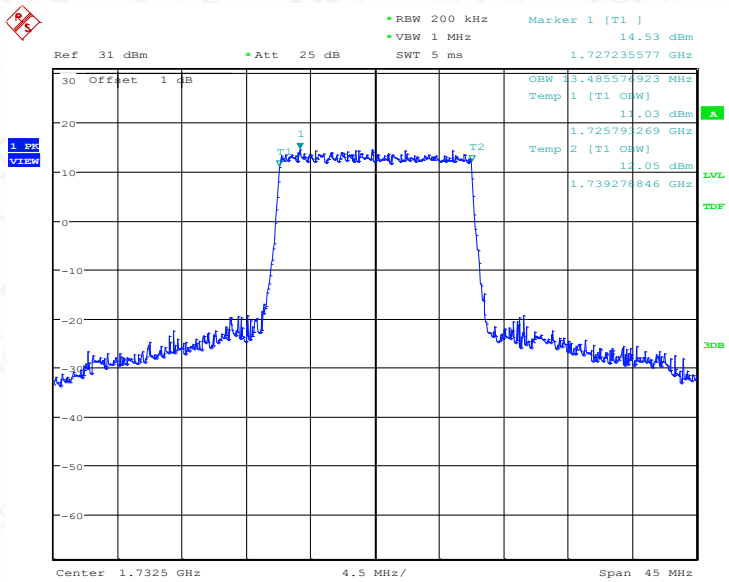
LTE band 4,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	13.486	13.486	13.486

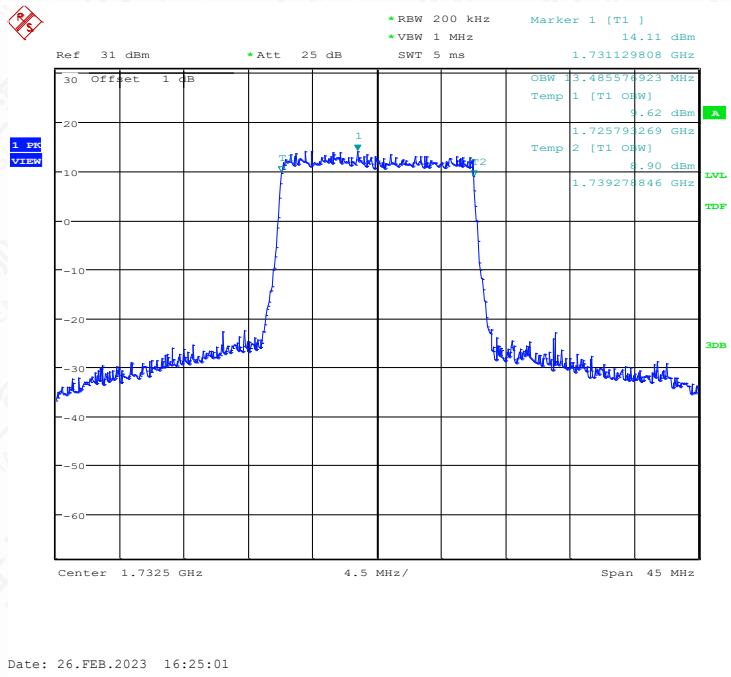
LTE band 4 , 15MHz Bandwidth,MID,QPSK (99% BW)



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



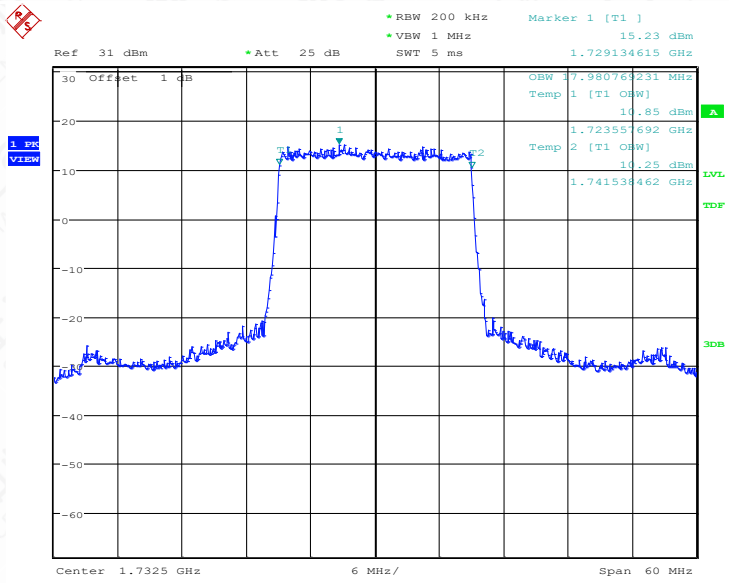
LTE band 4 , 15MHz Bandwidth,MID,64QAM (99% BW)


RBW 200 kHz
VBW 1 MHz
SWT 5 ms
Marker 1 [T1]
14.11 dBm
1.731129808 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 13.485576923 MHz
Temp 1 [T1 OBW]
9.62 dBm
1.725793269 GHz
Temp 2 [T1 OBW]
8.90 dBm
1.739278846 GHz
1 PK VIEW
A
LVL
TDF
3DB
Center 1.7325 GHz
4.5 MHz/
Span 45 MHz
Date: 26.FEB.2023 16:25:01

LTE band 4,20MHz(99%)

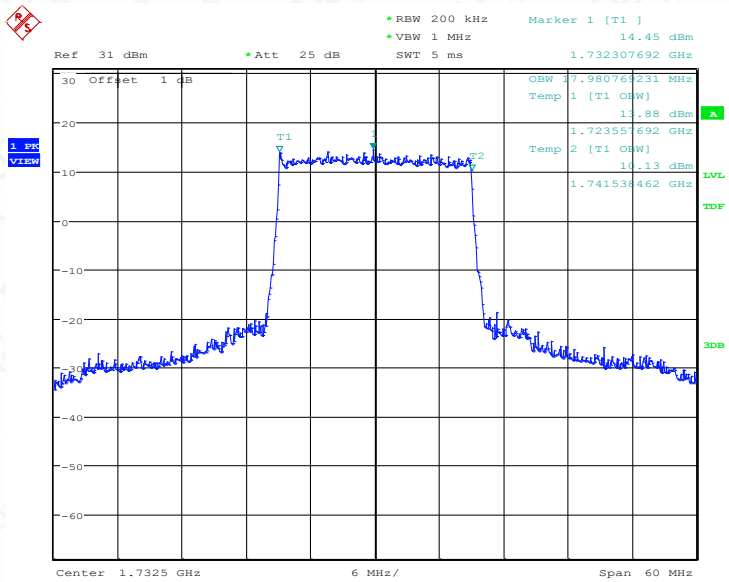
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
1732.5	17.981	17.981	17.885

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



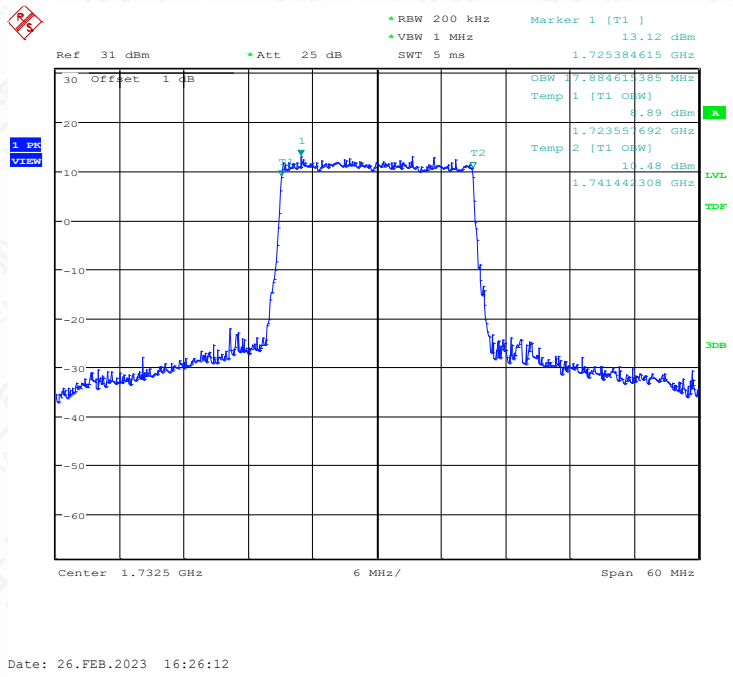
Date: 26.FEB.2023 16:25:30

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



Date: 26.FEB.2023 16:25:51

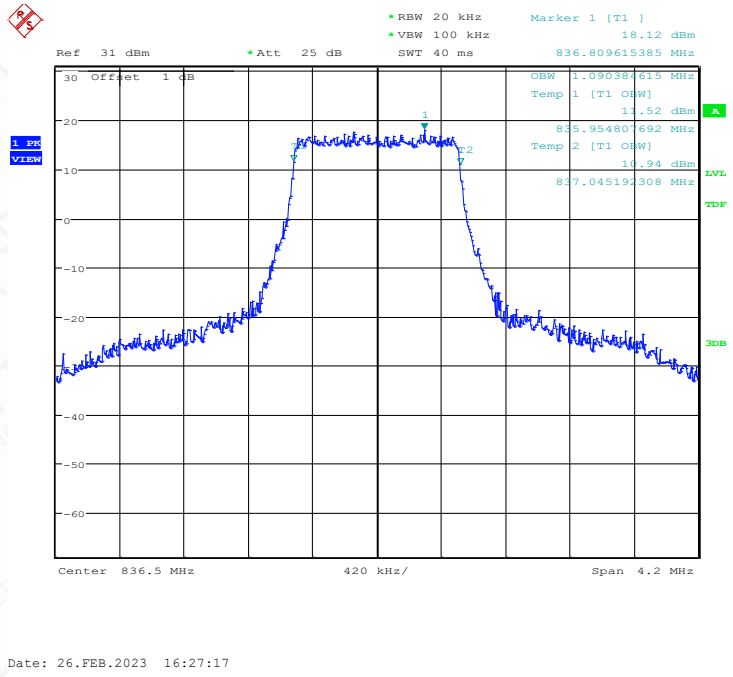
LTE band 4 , 20MHz Bandwidth,MID,64QAM (99% BW)



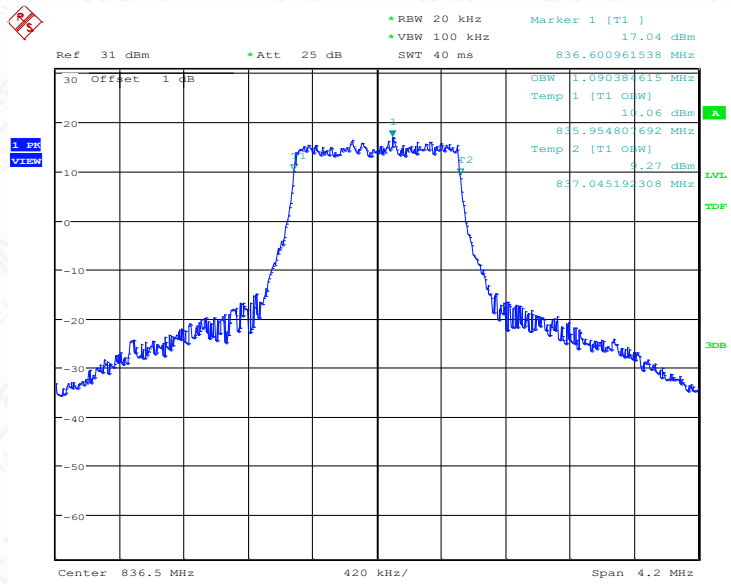
LTE band 5,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
836.5	1.090	1.090	1.090

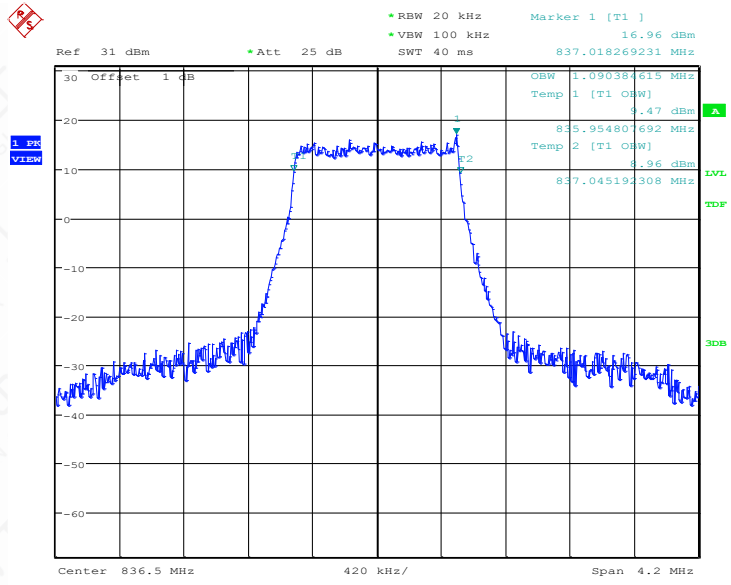
LTE band 5 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



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



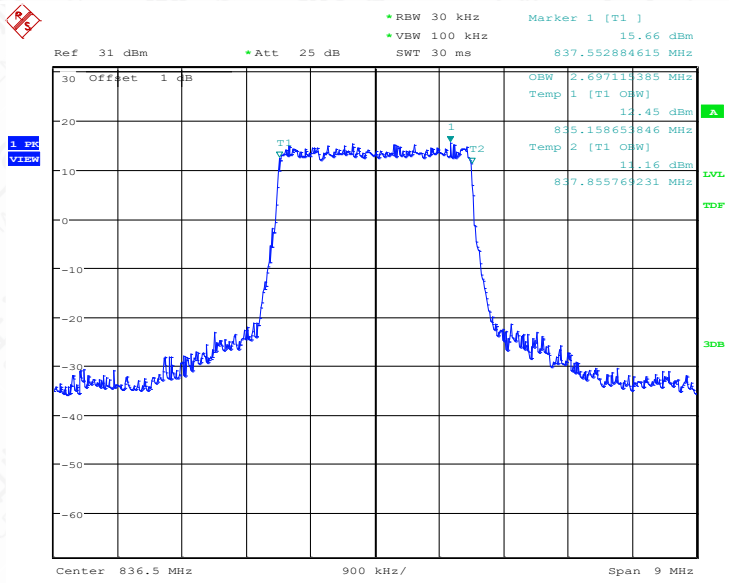
LTE band 5 , 1.4MHz Bandwidth,MID,64QAM (99% BW)



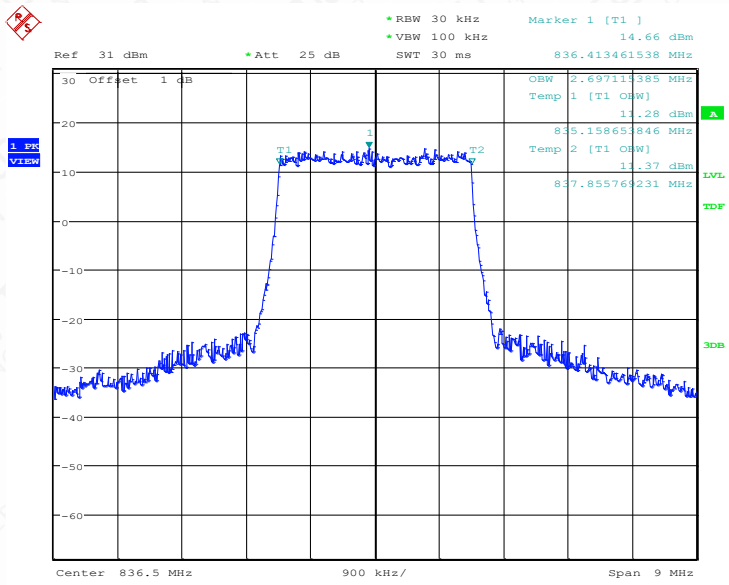
LTE band 5,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
836.5	2.697	2.697	2.697

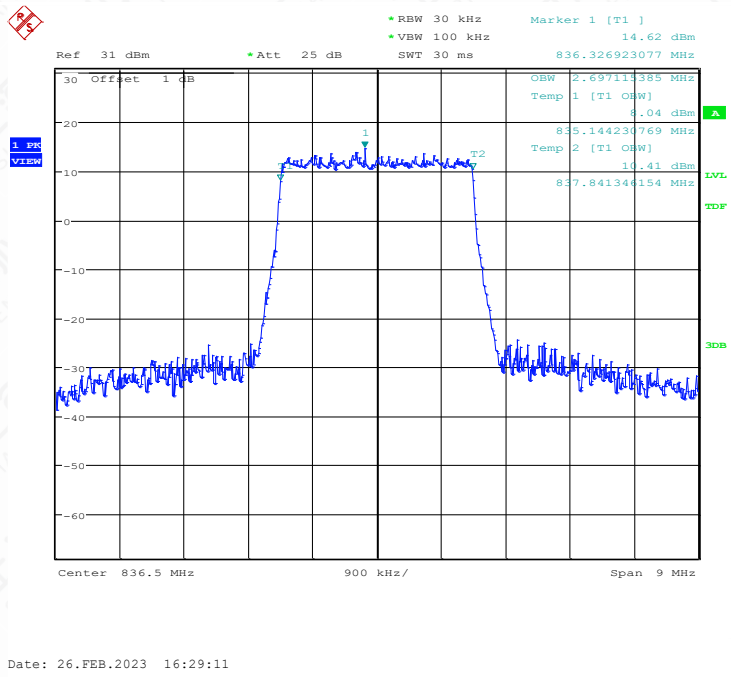
LTE band 5 , 3MHz Bandwidth,MID,QPSK (99% BW)



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



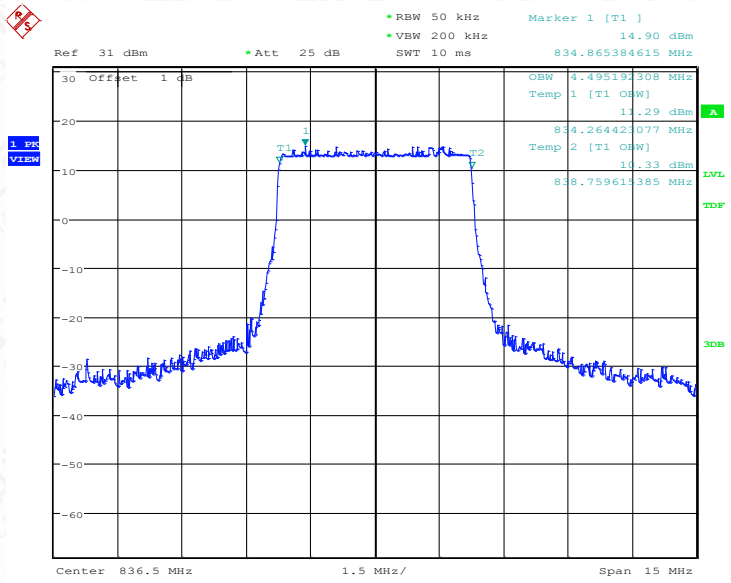
LTE band 5 , 3MHz Bandwidth,MID,64QAM (99% BW)


RBW 30 kHz
VBW 100 kHz
SWT 30 ms
Marker 1 [T1]
14.62 dBm
836.326923077 MHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 2.697115385 MHz
Temp 1 [T1 OBW]
8.04 dBm
835.144230769 MHz
Temp 2 [T1 OBW]
10.41 dBm
837.841346154 MHz
1 PK VIEW
A
LVL
TDF
3DB
Center 836.5 MHz
900 kHz/
Span 9 MHz
Date: 26.FEB.2023 16:29:11

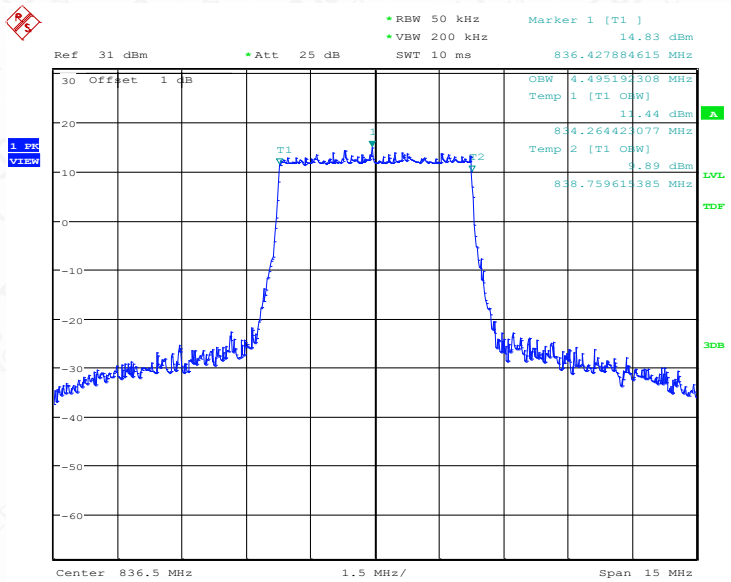
LTE band 5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
836.5	4.495	4.495	4.495

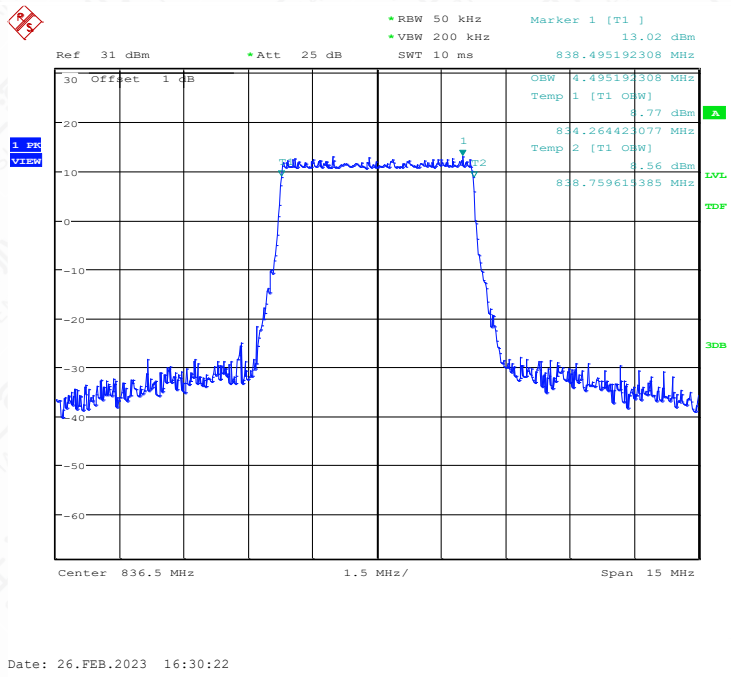
LTE band 5 , 5MHz Bandwidth,MID,QPSK (99% BW)



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



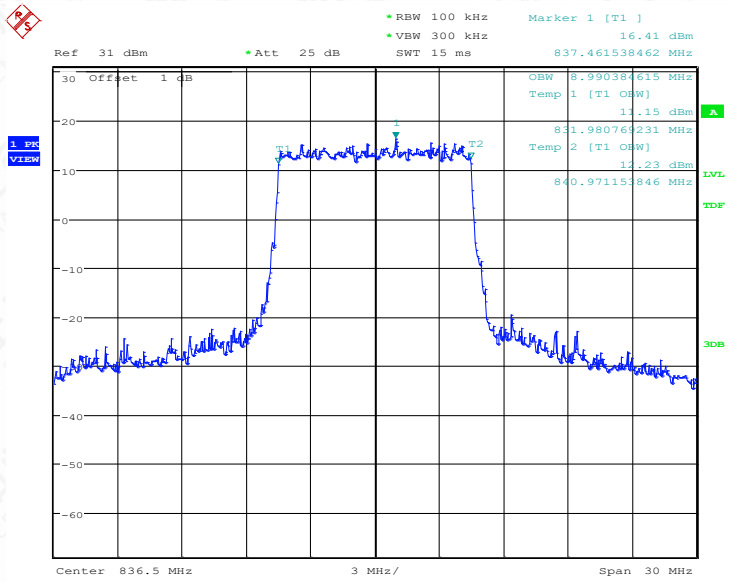
LTE band 5 , 5MHz Bandwidth,MID,64QAM (99% BW)


RBW 50 kHz
VBW 200 kHz
SWT 10 ms
Marker 1 [T1]
13.02 dBm
838.495192308 MHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 4.495192308 MHz
Temp 1 [T1 OBW]
8.77 dBm
834.264423077 MHz
Temp 2 [T1 OBW]
8.56 dBm
838.759615385 MHz
1 PK VIEW
A
LVL
TDF
3DB
Center 836.5 MHz
1.5 MHz/
Span 15 MHz
Date: 26.FEB.2023 16:30:22

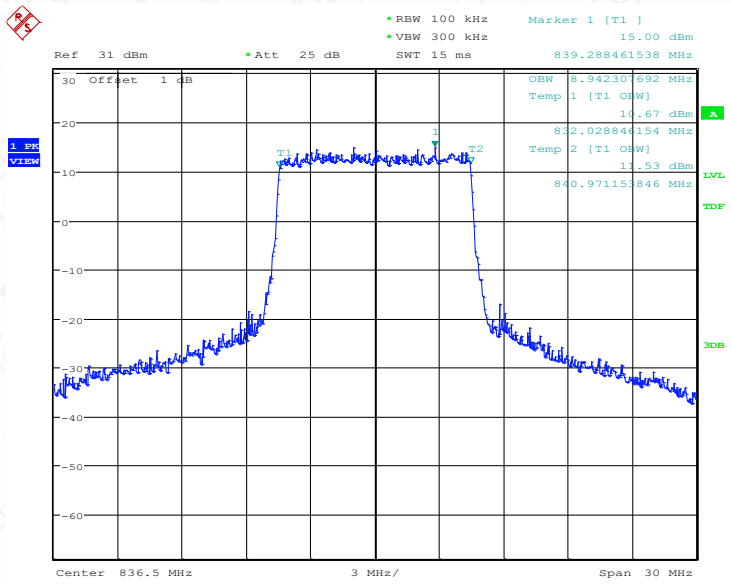
LTE band 5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
836.5	8.990	8.942	8.942

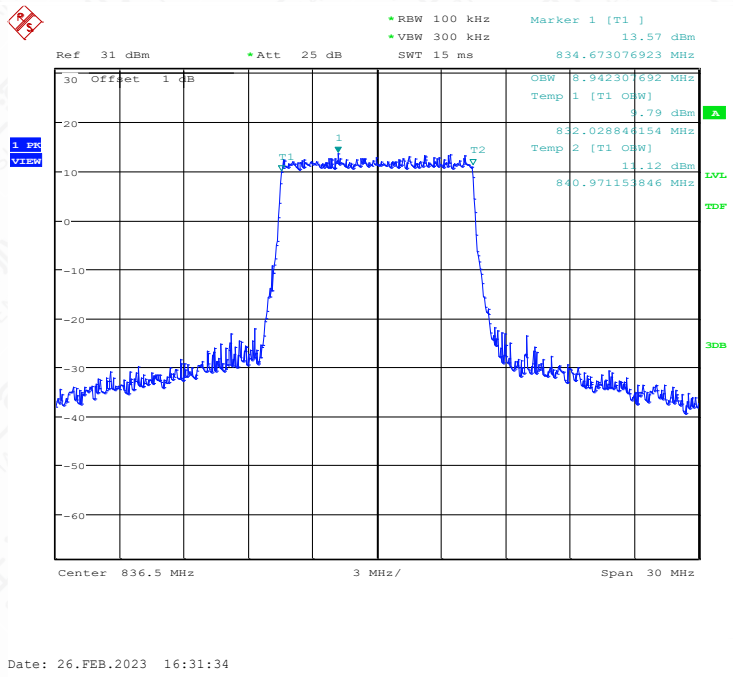
LTE band 5 , 10MHz Bandwidth,MID,QPSK (99% BW)



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



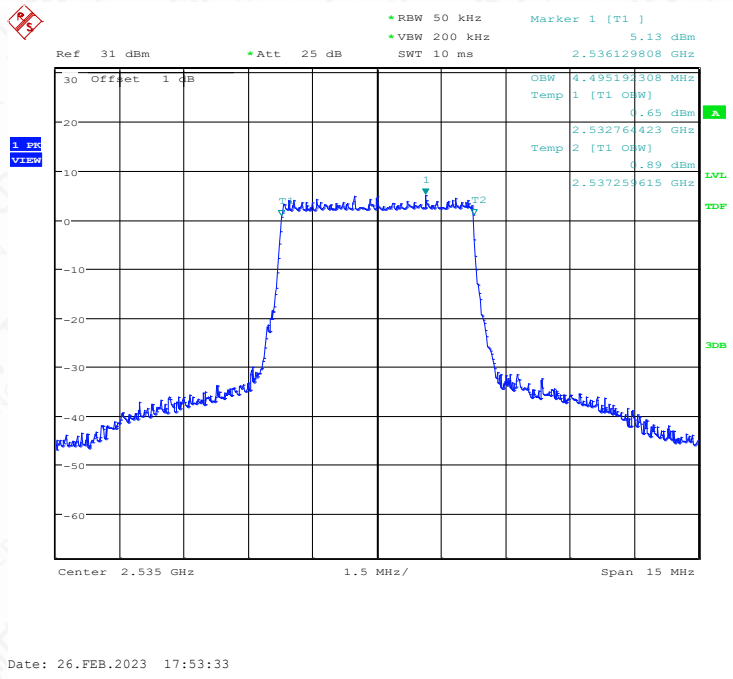
LTE band 5 , 10MHz Bandwidth,MID,64QAM (99% BW)



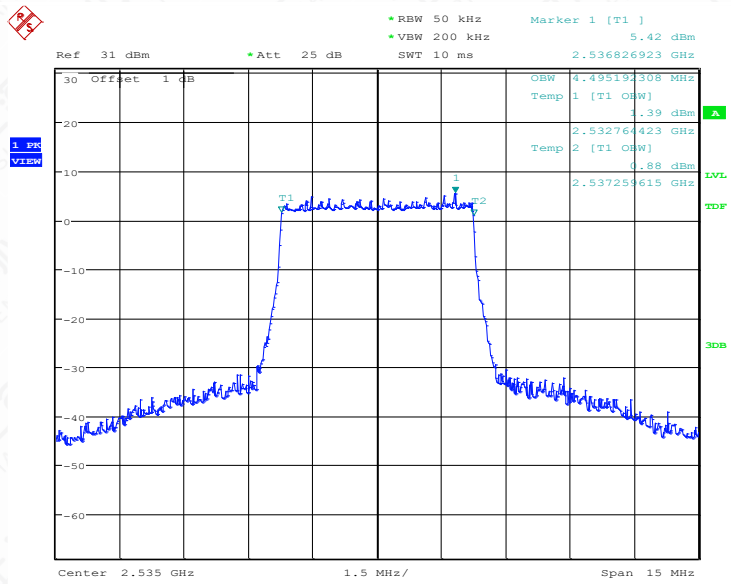
LTE band 7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
2535	4.495	4.495	4.495

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

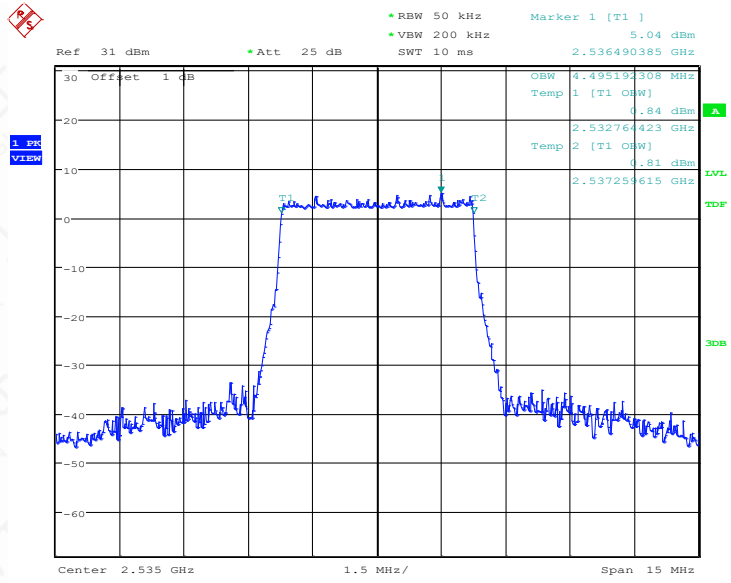


LTE band 7 , 5MHz Bandwidth,MID,16QAM (99% BW)



Date: 26.FEB.2023 16:32:29

LTE band 7 , 5MHz Bandwidth,MID,64QAM (99% BW)

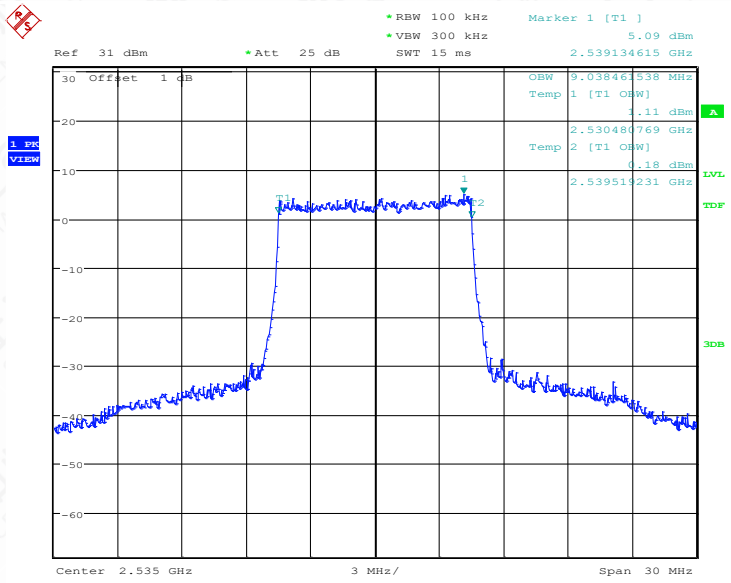


Date: 26.FEB.2023 16:32:50

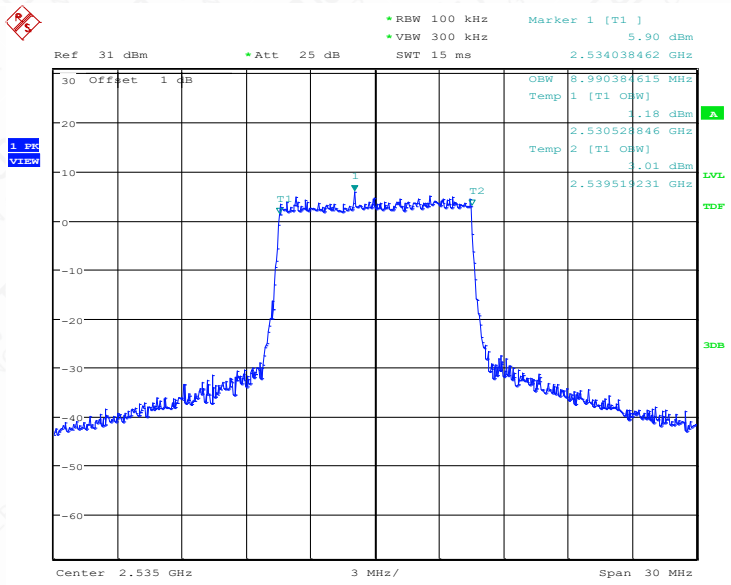
LTE band 7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
2535	9.038	8.990	8.942

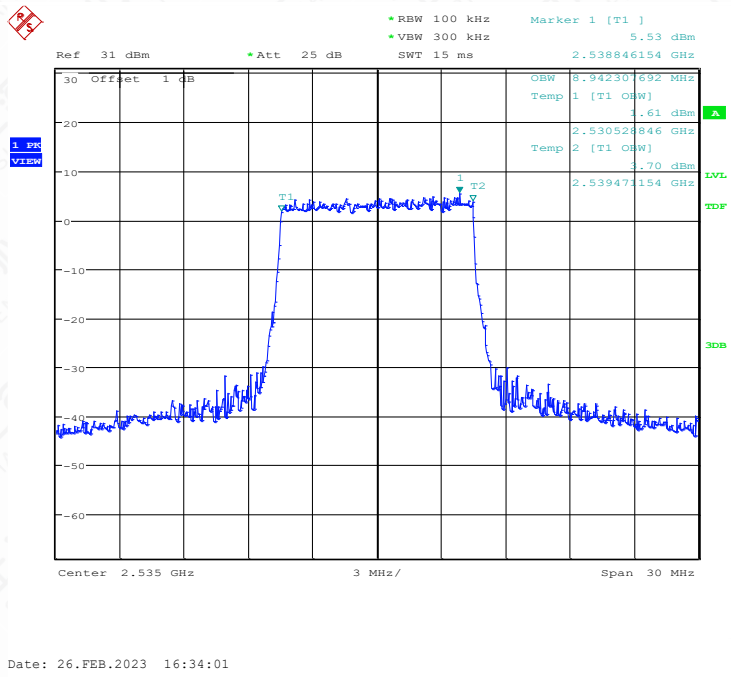
LTE band 7 , 10MHz Bandwidth,MID,QPSK (99% BW)



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



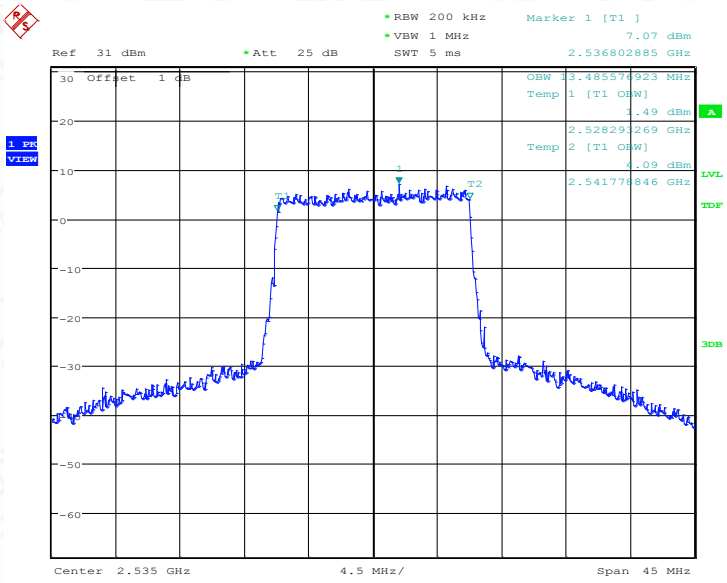
LTE band 7 , 10MHz Bandwidth,MID,64QAM (99% BW)


RBW 100 kHz
VBW 300 kHz
SWT 15 ms
Marker 1 [T1]
5.53 dBm
2.538846154 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 8.94230769 MHz
Temp 1 [T1 OBW]
1.61 dBm
2.53052884 6 GHz
Temp 2 [T1 OBW]
3.70 dBm
2.53947115 4 GHz
1 PK VIEW
A
LVL
TDF
3DB
T1
T2
Center 2.535 GHz
3 MHz/
Span 30 MHz
Date: 26.FEB.2023 16:34:01

LTE band 7,15MHz(99%)

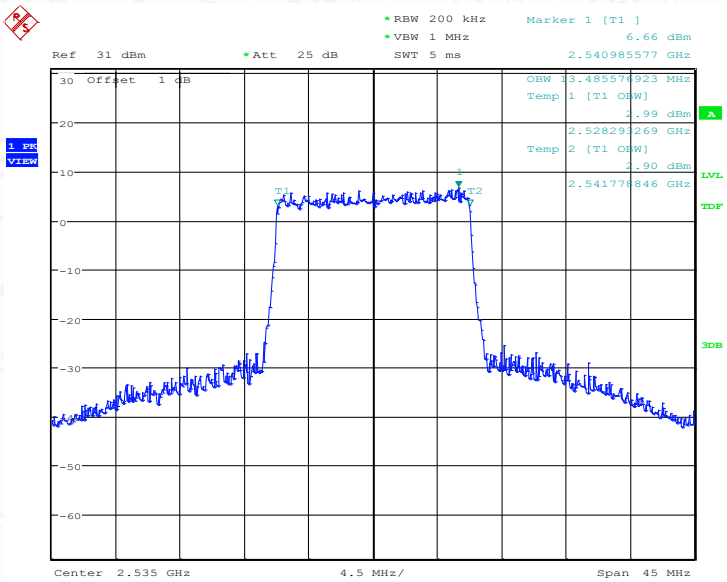
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
2535	13.486	13.486	13.486

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



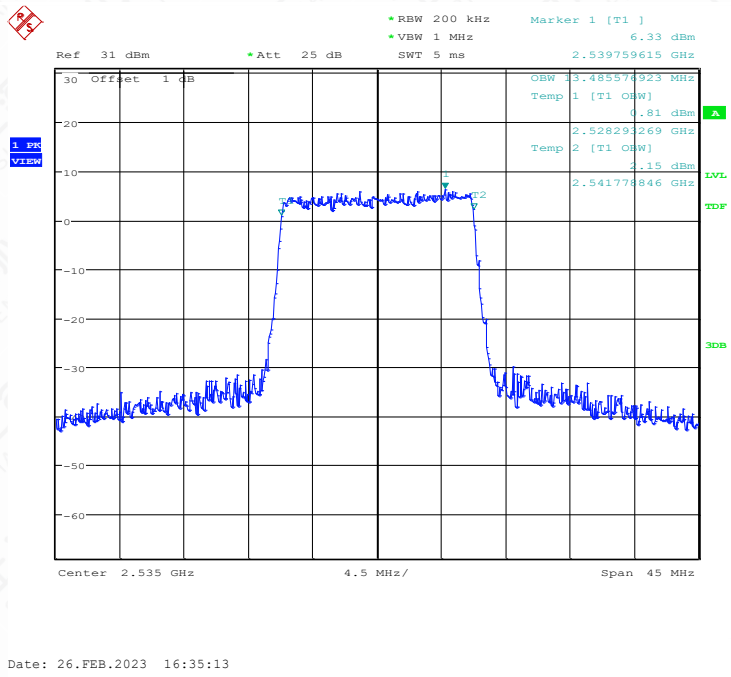
Date: 26.FEB.2023 16:34:30

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



Date: 26.FEB.2023 16:34:51

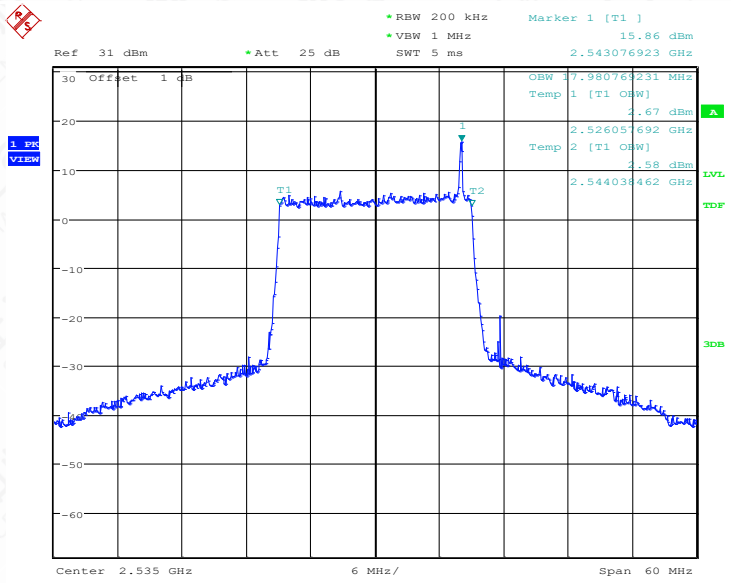
LTE band 7 , 15MHz Bandwidth,MID,64QAM (99% BW)


RBW 200 kHz
VBW 1 MHz
SWT 5 ms
Marker 1 [T1]
6.33 dBm
2.539759615 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 13.485576923 MHz
Temp 1 [T1 OBW]
0.81 dBm
2.528293269 GHz
Temp 2 [T1 OBW]
2.15 dBm
2.541778846 GHz
1 PK
VIEW
A
LVL
TDF
3DB
30
20
10
0
-10
-20
-30
-50
-60
Center 2.535 GHz
4.5 MHz/
Span 45 MHz
Date: 26.FEB.2023 16:35:13

LTE band 7,20MHz(99%)

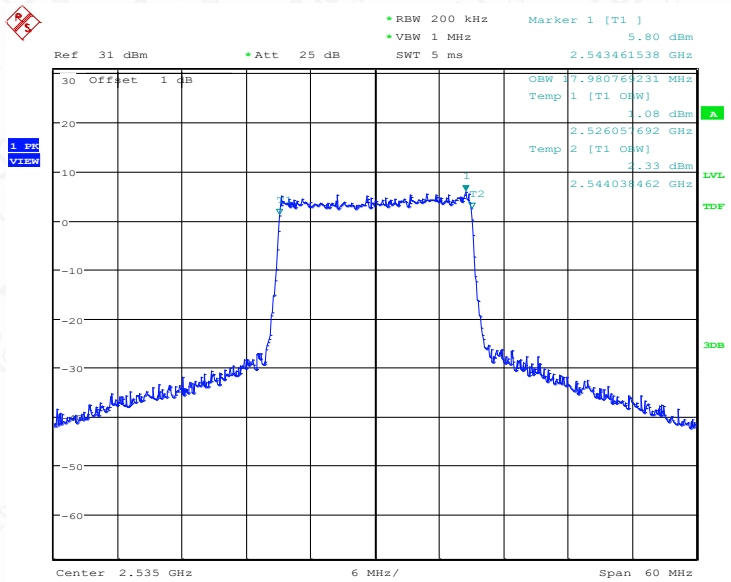
Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
2535	17.981	17.981	17.981

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



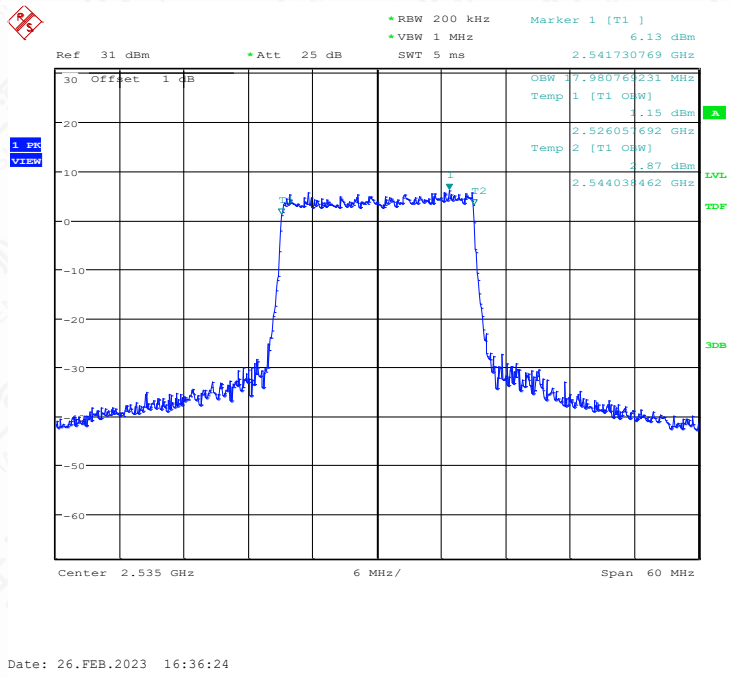
Date: 26.FEB.2023 16:35:42

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



Date: 26.FEB.2023 16:36:02

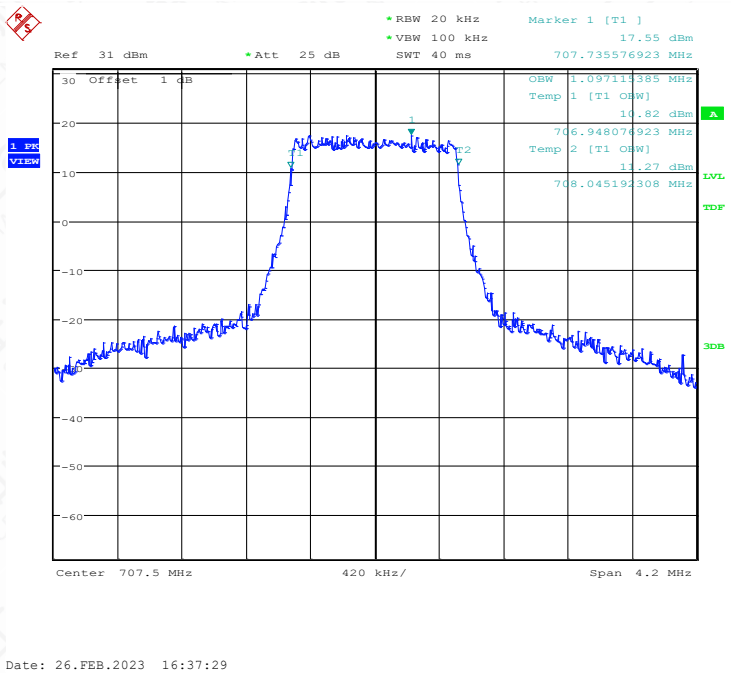
LTE band 7 , 20MHz Bandwidth,MID,64QAM (99% BW)


RBW 200 kHz
VBW 1 MHz
SWT 5 ms
Marker 1 [T1]
6.13 dBm
2.541730769 GHz
OBW 17.980769231 MHz
Temp 1 [T1 OBW]
1.15 dBm
2.526057692 GHz
Temp 2 [T1 OBW]
2.87 dBm
2.544038462 GHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
1 PK VIEW
A
LVL
TDF
3DB
Center 2.535 GHz
6 MHz/
Span 60 MHz
Date: 26.FEB.2023 16:36:24

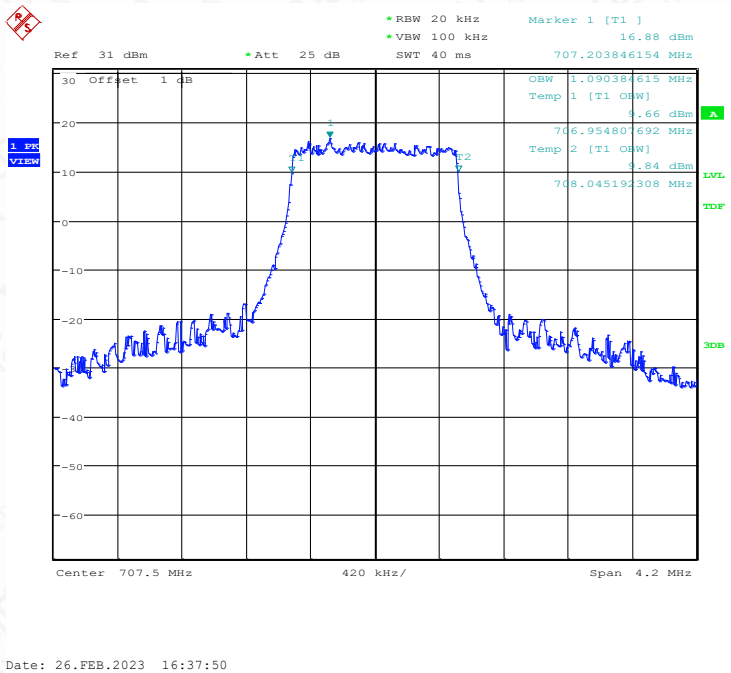
LTE band 12,1.4MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
707.5	1.097	1.090	1.097

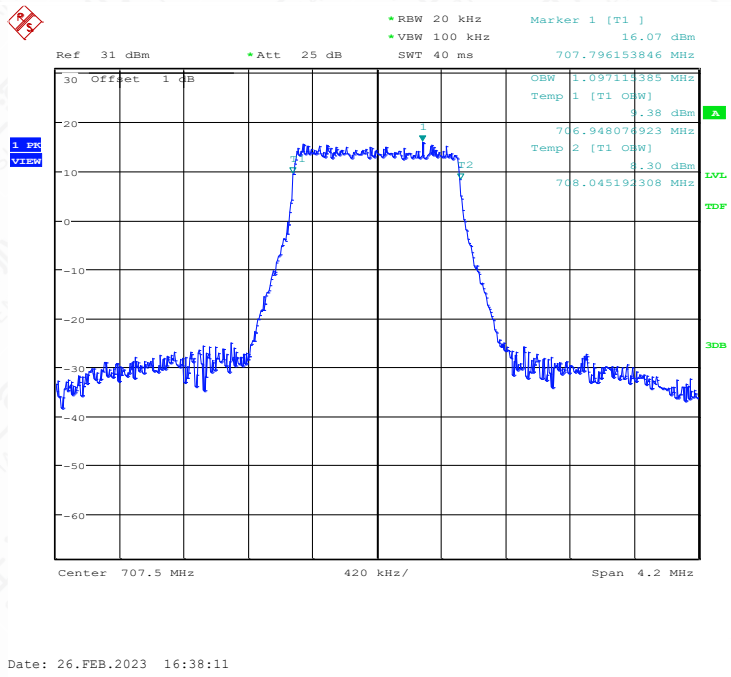
LTE band 12 , 1.4MHz Bandwidth,MID,QPSK (99% BW)



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



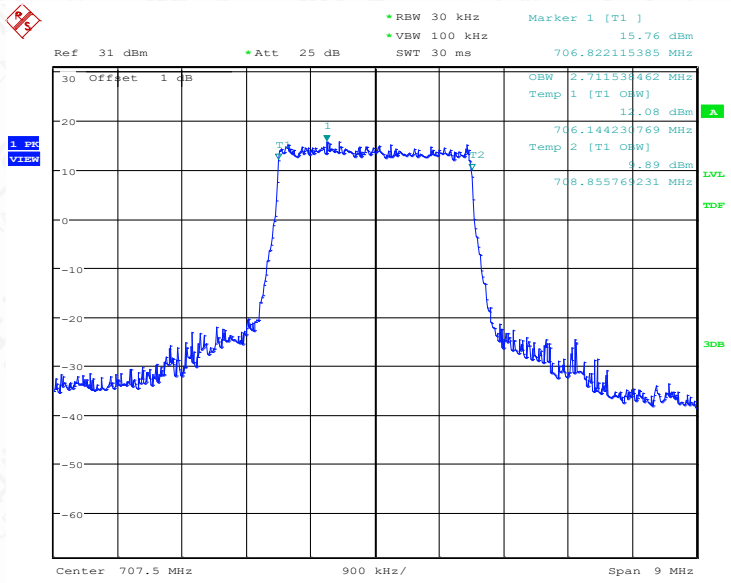
LTE band 12 , 1.4MHz Bandwidth,MID,64QAM (99% BW)


RBW 20 kHz
VBW 100 kHz
SWT 40 ms
Marker 1 [T1]
16.07 dBm
707.796153846 MHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 1.097115385 MHz
Temp 1 [T1 OBW]
9.38 dBm
706.948076923 MHz
Temp 2 [T1 OBW]
8.30 dBm
708.045192308 MHz
1 PK VIEW
A
LVL
TDF
3DB
Center 707.5 MHz
420 kHz/
Span 4.2 MHz
Date: 26.FEB.2023 16:38:11

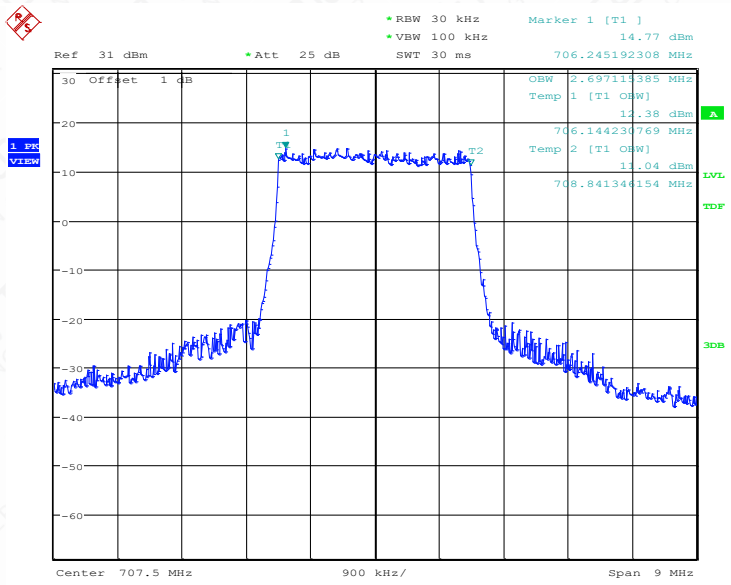
LTE band 12,3MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
707.5	2.712	2.697	2.697

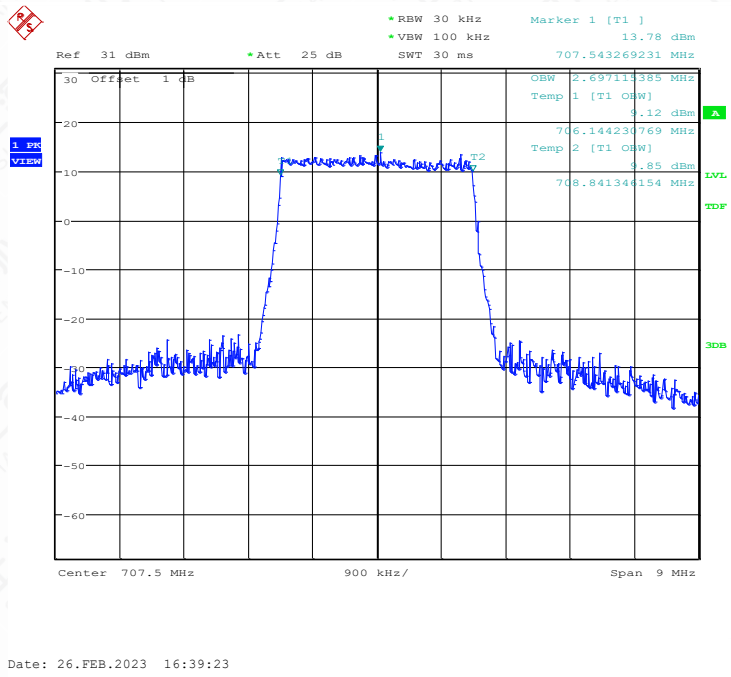
LTE band 12 , 3MHz Bandwidth,MID,QPSK (99% BW)



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



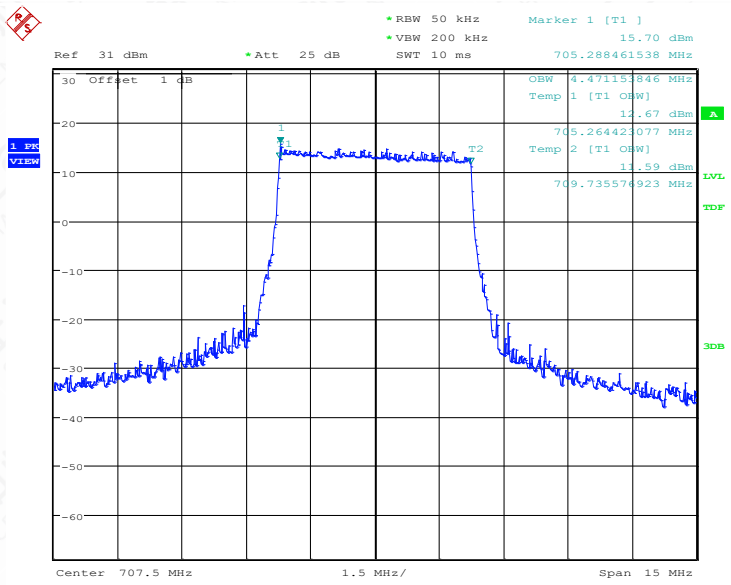
LTE band 12 , 3MHz Bandwidth,MID,64QAM (99% BW)


RBW 30 kHz
VBW 100 kHz
SWT 30 ms
Marker 1 [T1]
13.78 dBm
707.543269231 MHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 2.697115385 MHz
Temp 1 [T1 OBW]
9.12 dBm
706.144230769 MHz
Temp 2 [T1 OBW]
9.85 dBm
708.841346154 MHz
1 PK
VIEW
A
LVL
TDF
3DB
Center 707.5 MHz
900 kHz/
Span 9 MHz
Date: 26.FEB.2023 16:39:23

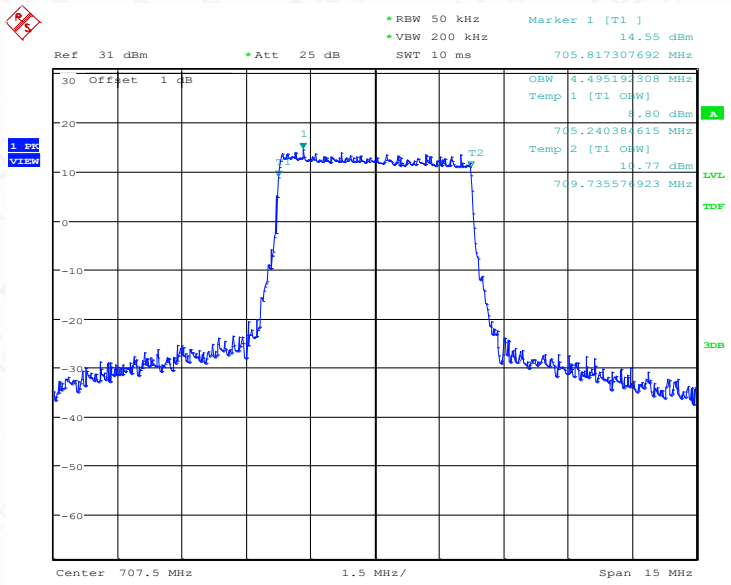
LTE band 12,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%)(MHz)		
	QPSK	16QAM	64QAM
707.5	4.471	4.495	4.495

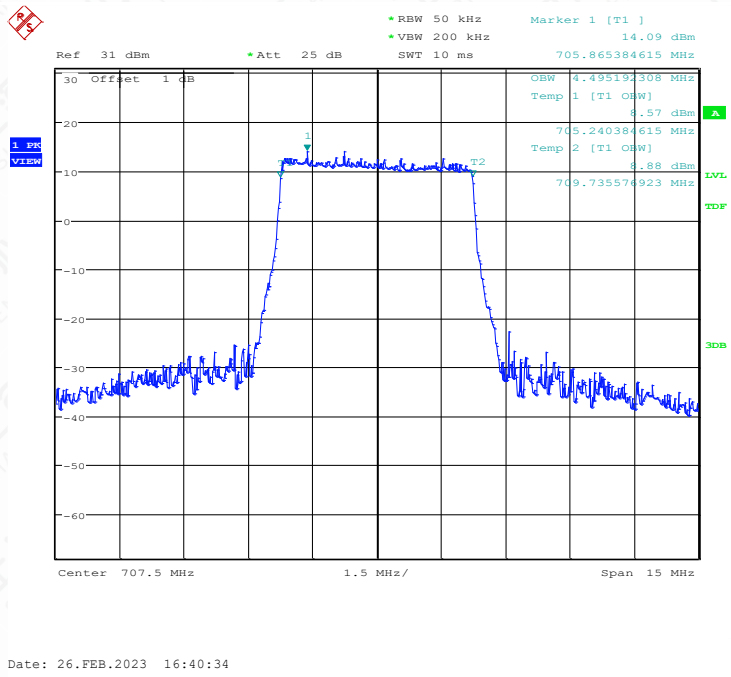
LTE band 12 , 5MHz Bandwidth,MID,QPSK (99% BW)



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



LTE band 12 , 5MHz Bandwidth,MID,64QAM (99% BW)


RBW 50 kHz
VBW 200 kHz
SWT 10 ms
Marker 1 [T1]
14.09 dBm
705.865384615 MHz
Ref 31 dBm
Att 25 dB
Offset 1 dB
OBW 4.495192308 MHz
Temp 1 [T1 OBW]
8.57 dBm
705.240384615 MHz
Temp 2 [T1 OBW]
8.88 dBm
709.735576923 MHz
1 PK
VIEW
A
LVL
TDF
3DB
Center 707.5 MHz
1.5 MHz/
Span 15 MHz
Date: 26.FEB.2023 16:40:34