



Radiated Power (EIRP) for CAT-M Band 4 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	21.46	3.12	24.58	1.00	30.00	PASS
		6	0		21.48	3.12	24.60	1.00	30.00	PASS
		1	0	16-QAM	21.43	3.12	24.55	1.00	30.00	PASS
		5	0		21.47	3.12	24.59	1.00	30.00	PASS
	Middle	1	0	QPSK	21.47	3.12	24.59	1.00	30.00	PASS
		6	0		21.48	3.12	24.60	1.00	30.00	PASS
		1	0	16-QAM	21.57	3.12	24.69	1.00	30.00	PASS
		5	0		21.57	3.12	24.69	1.00	30.00	PASS
	Highest	1	0	QPSK	21.55	3.12	24.67	1.00	30.00	PASS
		6	0		21.65	3.12	24.77	1.00	30.00	PASS
		1	0	16-QAM	21.62	3.12	24.74	1.00	30.00	PASS
		5	0		21.63	3.12	24.75	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 4 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	21.6	3.12	24.72	1.00	30.00	PASS
		6	0		21.47	3.12	24.59	1.00	30.00	PASS
		1	0	16-QAM	21.34	3.12	24.46	1.00	30.00	PASS
		5	0		21.47	3.12	24.59	1.00	30.00	PASS
	Middle	1	0	QPSK	21.32	3.12	24.44	1.00	30.00	PASS
		6	0		21.4	3.12	24.52	1.00	30.00	PASS
		1	0	16-QAM	21.7	3.12	24.82	1.00	30.00	PASS
		5	0		21.64	3.12	24.76	1.00	30.00	PASS
	Highest	1	0	QPSK	21.44	3.12	24.56	1.00	30.00	PASS
		6	0		21.57	3.12	24.69	1.00	30.00	PASS
		1	0	16-QAM	21.53	3.12	24.65	1.00	30.00	PASS
		5	0		21.5	3.12	24.62	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 4 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	21.48	3.12	24.60	1.00	30.00	PASS
		6	0		21.45	3.12	24.57	1.00	30.00	PASS
		1	0	16-QAM	21.55	3.12	24.67	1.00	30.00	PASS
		5	0		21.57	3.12	24.69	1.00	30.00	PASS
	Middle	1	0	QPSK	21.51	3.12	24.63	1.00	30.00	PASS
		6	0		21.57	3.12	24.69	1.00	30.00	PASS
		1	0	16-QAM	21.66	3.12	24.78	1.00	30.00	PASS
		5	0		21.6	3.12	24.72	1.00	30.00	PASS
	Highest	1	0	QPSK	21.51	3.12	24.63	1.00	30.00	PASS
		6	0		21.66	3.12	24.78	1.00	30.00	PASS
		1	0	16-QAM	21.54	3.12	24.66	1.00	30.00	PASS
		5	0		21.62	3.12	24.74	1.00	30.00	PASS



Radiated Power (ERP) for CAT-M Band 5 /1.4M

BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.92	0.64	19.41	7.00	38.45	PASS
		6	0		19.65	0.64	18.14	7.00	38.45	PASS
		1	0	16-QAM	20.57	0.64	19.06	7.00	38.45	PASS
		5	0		19.68	0.64	18.17	7.00	38.45	PASS
	Middle	1	0	QPSK	21.64	0.64	20.13	7.00	38.45	PASS
		6	0		19.52	0.64	18.01	7.00	38.45	PASS
		1	0	16-QAM	20.47	0.64	18.96	7.00	38.45	PASS
		5	0		19.54	0.64	18.03	7.00	38.45	PASS
	Highest	1	0	QPSK	21.52	0.64	20.01	7.00	38.45	PASS
		6	0		19.72	0.64	18.21	7.00	38.45	PASS
		1	0	16-QAM	20.56	0.64	19.05	7.00	38.45	PASS
		5	0		19.76	0.64	18.25	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 5 /3M

BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	21.8	0.64	20.29	7.00	38.45	PASS
		6	0		19.6	0.64	18.09	7.00	38.45	PASS
		1	0	16-QAM	20.57	0.64	19.06	7.00	38.45	PASS
		5	0		19.67	0.64	18.16	7.00	38.45	PASS
	Middle	1	0	QPSK	21.63	0.64	20.12	7.00	38.45	PASS
		6	0		19.49	0.64	17.98	7.00	38.45	PASS
		1	0	16-QAM	20.46	0.64	18.95	7.00	38.45	PASS
		5	0		19.48	0.64	17.97	7.00	38.45	PASS
	Highest	1	0	QPSK	21.51	0.64	20.00	7.00	38.45	PASS
		6	0		19.69	0.64	18.18	7.00	38.45	PASS
		1	0	16-QAM	20.54	0.64	19.03	7.00	38.45	PASS
		5	0		19.74	0.64	18.23	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 5 /5M

BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	21.57	0.64	20.06	7.00	38.45	PASS
		6	0		20.56	0.64	19.05	7.00	38.45	PASS
		1	0	16-QAM	21.31	0.64	19.80	7.00	38.45	PASS
		5	0		20.52	0.64	19.01	7.00	38.45	PASS
	Middle	1	0	QPSK	21.35	0.64	19.84	7.00	38.45	PASS
		6	0		20.09	0.64	18.58	7.00	38.45	PASS
		1	0	16-QAM	21.14	0.64	19.63	7.00	38.45	PASS
		5	0		20.32	0.64	18.81	7.00	38.45	PASS
	Highest	1	0	QPSK	21.33	0.64	19.82	7.00	38.45	PASS
		6	0		20.64	0.64	19.13	7.00	38.45	PASS
		1	0	16-QAM	21.36	0.64	19.85	7.00	38.45	PASS
		5	0		20.45	0.64	18.94	7.00	38.45	PASS



Radiated Power (ERP) for CAT-M Band 5 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	21.58	0.64	20.07	7.00	38.45	PASS
		6	0		21.61	0.64	20.10	7.00	38.45	PASS
		1	0	16-QAM	21.33	0.64	19.82	7.00	38.45	PASS
		5	0		21.55	0.64	20.04	7.00	38.45	PASS
	Middle	1	0	QPSK	21.35	0.64	19.84	7.00	38.45	PASS
		6	0		21.62	0.64	20.11	7.00	38.45	PASS
		1	0	16-QAM	21.27	0.64	19.76	7.00	38.45	PASS
		5	0		21.46	0.64	19.95	7.00	38.45	PASS
	Highest	1	0	QPSK	21.39	0.64	19.88	7.00	38.45	PASS
		6	0		21.67	0.64	20.16	7.00	38.45	PASS
		1	0	16-QAM	21.46	0.64	19.95	7.00	38.45	PASS
		5	0		21.5	0.64	19.99	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 12 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.62	0.95	19.42	3.00	34.77	PASS
		6	0		19.91	0.95	18.71	3.00	34.77	PASS
		1	0	16-QAM	20.87	0.95	19.67	3.00	34.77	PASS
		5	0		19.9	0.95	18.70	3.00	34.77	PASS
	Middle	1	0	QPSK	22.12	0.95	20.92	3.00	34.77	PASS
		6	0		19.96	0.95	18.76	3.00	34.77	PASS
		1	0	16-QAM	20.99	0.95	19.79	3.00	34.77	PASS
		5	0		19.54	0.95	18.34	3.00	34.77	PASS
	Highest	1	0	QPSK	21.77	0.95	20.57	3.00	34.77	PASS
		6	0		19.86	0.95	18.66	3.00	34.77	PASS
		1	0	16-QAM	21.22	0.95	20.02	3.00	34.77	PASS
		5	0		20.13	0.95	18.93	3.00	34.77	PASS



Radiated Power (ERP) for CAT-M Band 12 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	22.08	0.95	20.88	3.00	34.77	PASS
		6	0		19.87	0.95	18.67	3.00	34.77	PASS
		1	0	16-QAM	20.93	0.95	19.73	3.00	34.77	PASS
		5	0		19.87	0.95	18.67	3.00	34.77	PASS
	Middle	1	0	QPSK	22.09	0.95	20.89	3.00	34.77	PASS
		6	0		19.96	0.95	18.76	3.00	34.77	PASS
		1	0	16-QAM	21.03	0.95	19.83	3.00	34.77	PASS
		5	0		19.97	0.95	18.77	3.00	34.77	PASS
	Highest	1	0	QPSK	21.73	0.95	20.53	3.00	34.77	PASS
		6	0		19.82	0.95	18.62	3.00	34.77	PASS
		1	0	16-QAM	20.8	0.95	19.60	3.00	34.77	PASS
		5	0		19.9	0.95	18.70	3.00	34.77	PASS

Radiated Power (ERP) for CAT-M Band 12 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	22.04	0.95	20.84	3.00	34.77	PASS
		6	0		20.93	0.95	19.73	3.00	34.77	PASS
		1	0	16-QAM	22.03	0.95	20.83	3.00	34.77	PASS
		5	0		20.96	0.95	19.76	3.00	34.77	PASS
	Middle	1	0	QPSK	21.94	0.95	20.74	3.00	34.77	PASS
		6	0		20.91	0.95	19.71	3.00	34.77	PASS
		1	0	16-QAM	22.02	0.95	20.82	3.00	34.77	PASS
		5	0		21.03	0.95	19.83	3.00	34.77	PASS
	Highest	1	0	QPSK	21.85	0.95	20.65	3.00	34.77	PASS
		6	0		20.87	0.95	19.67	3.00	34.77	PASS
		1	0	16-QAM	21.95	0.95	20.75	3.00	34.77	PASS
		5	0		20.9	0.95	19.70	3.00	34.77	PASS

Radiated Power (ERP) for CAT-M Band 12 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	22.01	0.95	20.81	3.00	34.77	PASS
		6	0		22.02	0.95	20.82	3.00	34.77	PASS
		1	0	16-QAM	21.98	0.95	20.78	3.00	34.77	PASS
		5	0		21.96	0.95	20.76	3.00	34.77	PASS
	Middle	1	0	QPSK	21.89	0.95	20.69	3.00	34.77	PASS
		6	0		22.03	0.95	20.83	3.00	34.77	PASS
		1	0	16-QAM	22.05	0.95	20.85	3.00	34.77	PASS
		5	0		22.07	0.95	20.87	3.00	34.77	PASS
	Highest	1	0	QPSK	21.88	0.95	20.68	3.00	34.77	PASS
		6	0		22.11	0.95	20.91	3.00	34.77	PASS
		1	0	16-QAM	22.06	0.95	20.86	3.00	34.77	PASS
		5	0		21.94	0.95	20.74	3.00	34.77	PASS



Radiated Power (ERP) for CAT-M Band 13 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	21.06	2.23	21.14	3.00	34.77	PASS
		6	0		20.51	2.23	20.59	3.00	34.77	PASS
		1	0	16-QAM	21.28	2.23	21.36	3.00	34.77	PASS
		5	0		20.44	2.23	20.52	3.00	34.77	PASS
	Middle	1	0	QPSK	21.55	2.23	21.63	3.00	34.77	PASS
		6	0		20.48	2.23	20.56	3.00	34.77	PASS
		1	0	16-QAM	21.43	2.23	21.51	3.00	34.77	PASS
		5	0		20.39	2.23	20.47	3.00	34.77	PASS
	Highest	1	0	QPSK	21.48	2.23	21.56	3.00	34.77	PASS
		6	0		20.57	2.23	20.65	3.00	34.77	PASS
		1	0	16-QAM	21.35	2.23	21.43	3.00	34.77	PASS
		5	0		20.37	2.23	20.45	3.00	34.77	PASS

Radiated Power (ERP) for CAT-M Band 13 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Middle	1	0	QPSK	21.63	2.23	21.71	3.00	34.77	PASS
		6	0		21.6	2.23	21.68	3.00	34.77	PASS
		1	0	16-QAM	21.33	2.23	21.41	3.00	34.77	PASS
		5	0		21.45	2.23	21.53	3.00	34.77	PASS

Radiated Power (ERP) for CAT-M Band 14 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	21.06	2.18	21.09	3.00	34.77	PASS
		6	0		20.39	2.18	20.42	3.00	34.77	PASS
		1	0	16-QAM	21.31	2.18	21.34	3.00	34.77	PASS
		5	0		19.28	2.18	19.31	3.00	34.77	PASS
	Middle	1	0	QPSK	21.65	2.18	21.68	3.00	34.77	PASS
		6	0		20.5	2.18	20.53	3.00	34.77	PASS
		1	0	16-QAM	21.42	2.18	21.45	3.00	34.77	PASS
		5	0		19.52	2.18	19.55	3.00	34.77	PASS
	Highest	1	0	QPSK	21.7	2.18	21.73	3.00	34.77	PASS
		6	0		20.84	2.18	20.87	3.00	34.77	PASS
		1	0	16-QAM	21.79	2.18	21.82	3.00	34.77	PASS
		5	0		19.78	2.18	19.81	3.00	34.77	PASS

Radiated Power (ERP) for CAT-M Band 14 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Middle	1	0	QPSK	21.55	2.18	21.58	3.00	34.77	PASS
		6	0		21.66	2.18	21.69	3.00	34.77	PASS
		1	0	16-QAM	21.35	2.18	21.38	3.00	34.77	PASS
		5	0		20.37	2.18	20.40	3.00	34.77	PASS



Radiated Power (EIRP) for CAT-M Band 25 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.13	1.87	22.00	2.00	33.01	PASS
		6	0		18.44	1.87	20.31	2.00	33.01	PASS
		1	0	16-QAM	19.27	1.87	21.14	2.00	33.01	PASS
		5	0		18.36	1.87	20.23	2.00	33.01	PASS
	Middle	1	0	QPSK	20.95	1.87	22.82	2.00	33.01	PASS
		6	0		18.98	1.87	20.85	2.00	33.01	PASS
		1	0	16-QAM	19.67	1.87	21.54	2.00	33.01	PASS
		5	0		18.65	1.87	20.52	2.00	33.01	PASS
	Highest	1	0	QPSK	20.38	1.87	22.25	2.00	33.01	PASS
		6	0		18.7	1.87	20.57	2.00	33.01	PASS
		1	0	16-QAM	19.67	1.87	21.54	2.00	33.01	PASS
		5	0		18.8	1.87	20.67	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 25 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	20.71	1.87	22.58	2.00	33.01	PASS
		6	0		18.6	1.87	20.47	2.00	33.01	PASS
		1	0	16-QAM	19.45	1.87	21.32	2.00	33.01	PASS
		5	0		18.53	1.87	20.40	2.00	33.01	PASS
	Middle	1	0	QPSK	20.99	1.87	22.86	2.00	33.01	PASS
		6	0		18.89	1.87	20.76	2.00	33.01	PASS
		1	0	16-QAM	19.74	1.87	21.61	2.00	33.01	PASS
		5	0		18.82	1.87	20.69	2.00	33.01	PASS
	Highest	1	0	QPSK	20.51	1.87	22.38	2.00	33.01	PASS
		6	0		18.78	1.87	20.65	2.00	33.01	PASS
		1	0	16-QAM	19.68	1.87	21.55	2.00	33.01	PASS
		5	0		18.87	1.87	20.74	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 25 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	20.6	1.87	22.47	2.00	33.01	PASS
		6	0		19.49	1.87	21.36	2.00	33.01	PASS
		1	0	16-QAM	20.69	1.87	22.56	2.00	33.01	PASS
		5	0		19.62	1.87	21.49	2.00	33.01	PASS
	Middle	1	0	QPSK	20.86	1.87	22.73	2.00	33.01	PASS
		6	0		19.78	1.87	21.65	2.00	33.01	PASS
		1	0	16-QAM	20.9	1.87	22.77	2.00	33.01	PASS
		5	0		19.81	1.87	21.68	2.00	33.01	PASS
	Highest	1	0	QPSK	20.53	1.87	22.40	2.00	33.01	PASS
		6	0		19.68	1.87	21.55	2.00	33.01	PASS
		1	0	16-QAM	20.77	1.87	22.64	2.00	33.01	PASS
		5	0		19.89	1.87	21.76	2.00	33.01	PASS



Radiated Power (EIRP) for CAT-M Band 25 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	20.56	1.87	22.43	2.00	33.01	PASS
		6	0		20.61	1.87	22.48	2.00	33.01	PASS
		1	0	16-QAM	20.68	1.87	22.55	2.00	33.01	PASS
		5	0		20.63	1.87	22.50	2.00	33.01	PASS
	Middle	1	0	QPSK	20.74	1.87	22.61	2.00	33.01	PASS
		6	0		20.8	1.87	22.67	2.00	33.01	PASS
		1	0	16-QAM	20.89	1.87	22.76	2.00	33.01	PASS
		5	0		20.86	1.87	22.73	2.00	33.01	PASS
	Highest	1	0	QPSK	20.51	1.87	22.38	2.00	33.01	PASS
		6	0		20.74	1.87	22.61	2.00	33.01	PASS
		1	0	16-QAM	20.85	1.87	22.72	2.00	33.01	PASS
		5	0		20.86	1.87	22.73	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 25 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	20.67	1.87	22.54	2.00	33.01	PASS
		6	0		20.6	1.87	22.47	2.00	33.01	PASS
		1	0	16-QAM	20.69	1.87	22.56	2.00	33.01	PASS
		5	0		20.7	1.87	22.57	2.00	33.01	PASS
	Middle	1	0	QPSK	20.68	1.87	22.55	2.00	33.01	PASS
		6	0		20.72	1.87	22.59	2.00	33.01	PASS
		1	0	16-QAM	21.02	1.87	22.89	2.00	33.01	PASS
		5	0		20.93	1.87	22.80	2.00	33.01	PASS
	Highest	1	0	QPSK	20.53	1.87	22.40	2.00	33.01	PASS
		6	0		20.72	1.87	22.59	2.00	33.01	PASS
		1	0	16-QAM	20.76	1.87	22.63	2.00	33.01	PASS
		5	0		21.06	1.87	22.93	2.00	33.01	PASS

Radiated Power (EIRP) for CAT-M Band 25 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	20.58	1.87	22.45	2.00	33.01	PASS
		6	0		20.51	1.87	22.38	2.00	33.01	PASS
		1	0	16-QAM	20.69	1.87	22.56	2.00	33.01	PASS
		5	0		20.71	1.87	22.58	2.00	33.01	PASS
	Middle	1	0	QPSK	20.8	1.87	22.67	2.00	33.01	PASS
		6	0		20.75	1.87	22.62	2.00	33.01	PASS
		1	0	16-QAM	20.85	1.87	22.72	2.00	33.01	PASS
		5	0		20.86	1.87	22.73	2.00	33.01	PASS
	Highest	1	0	QPSK	20.57	1.87	22.44	2.00	33.01	PASS
		6	0		20.74	1.87	22.61	2.00	33.01	PASS
		1	0	16-QAM	20.82	1.87	22.69	2.00	33.01	PASS
		5	0		20.91	1.87	22.78	2.00	33.01	PASS



Radiated Power (ERP) for CAT-M Band 26 Part22 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.92	0.91	19.68	7.00	38.45	PASS
		6	0		19.71	0.91	18.47	7.00	38.45	PASS
		1	0	16-QAM	20.73	0.91	19.49	7.00	38.45	PASS
		5	0		19.55	0.91	18.31	7.00	38.45	PASS
	Middle	1	0	QPSK	21.43	0.91	20.19	7.00	38.45	PASS
		6	0		19.55	0.91	18.31	7.00	38.45	PASS
		1	0	16-QAM	20.6	0.91	19.36	7.00	38.45	PASS
		5	0		19.73	0.91	18.49	7.00	38.45	PASS
	Highest	1	0	QPSK	21.45	0.91	20.21	7.00	38.45	PASS
		6	0		19.64	0.91	18.40	7.00	38.45	PASS
		1	0	16-QAM	20.47	0.91	19.23	7.00	38.45	PASS
		5	0		19.71	0.91	18.47	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 26 Part22/3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	21.69	0.91	20.45	7.00	38.45	PASS
		6	0		19.6	0.91	18.36	7.00	38.45	PASS
		1	0	16-QAM	20.5	0.91	19.26	7.00	38.45	PASS
		5	0		19.68	0.91	18.44	7.00	38.45	PASS
	Middle	1	0	QPSK	21.76	0.91	20.52	7.00	38.45	PASS
		6	0		19.59	0.91	18.35	7.00	38.45	PASS
		1	0	16-QAM	20.6	0.91	19.36	7.00	38.45	PASS
		5	0		19.7	0.91	18.46	7.00	38.45	PASS
	Highest	1	0	QPSK	21.51	0.91	20.27	7.00	38.45	PASS
		6	0		19.7	0.91	18.46	7.00	38.45	PASS
		1	0	16-QAM	20.45	0.91	19.21	7.00	38.45	PASS
		5	0		19.64	0.91	18.40	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 26 Part22/5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	21.54	0.91	20.30	7.00	38.45	PASS
		6	0		20.6	0.91	19.36	7.00	38.45	PASS
		1	0	16-QAM	21.23	0.91	19.99	7.00	38.45	PASS
		5	0		20.55	0.91	19.31	7.00	38.45	PASS
	Middle	1	0	QPSK	21.36	0.91	20.12	7.00	38.45	PASS
		6	0		20.58	0.91	19.34	7.00	38.45	PASS
		1	0	16-QAM	21.19	0.91	19.95	7.00	38.45	PASS
		5	0		20.53	0.91	19.29	7.00	38.45	PASS
	Highest	1	0	QPSK	21.27	0.91	20.03	7.00	38.45	PASS
		6	0		20.66	0.91	19.42	7.00	38.45	PASS
		1	0	16-QAM	21.33	0.91	20.09	7.00	38.45	PASS
		5	0		20.47	0.91	19.23	7.00	38.45	PASS



Radiated Power (ERP) for CAT-M Band 26 Part22/10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	21.53	0.91	20.29	7.00	38.45	PASS
		6	0		21.59	0.91	20.35	7.00	38.45	PASS
		1	0	16-QAM	21.26	0.91	20.02	7.00	38.45	PASS
		5	0		21.48	0.91	20.24	7.00	38.45	PASS
	Middle	1	0	QPSK	21.3	0.91	20.06	7.00	38.45	PASS
		6	0		21.58	0.91	20.34	7.00	38.45	PASS
		1	0	16-QAM	21.22	0.91	19.98	7.00	38.45	PASS
		5	0		21.36	0.91	20.12	7.00	38.45	PASS
	Highest	1	0	QPSK	21.4	0.91	20.16	7.00	38.45	PASS
		6	0		21.59	0.91	20.35	7.00	38.45	PASS
		1	0	16-QAM	21.33	0.91	20.09	7.00	38.45	PASS
		5	0		21.52	0.91	20.28	7.00	38.45	PASS

Radiated Power (ERP) for CAT-M Band 26 Part22/15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	21.62	0.91	20.38	7.00	38.45	PASS
		6	0		21.51	0.91	20.27	7.00	38.45	PASS
		1	0	16-QAM	21.58	0.91	20.34	7.00	38.45	PASS
		5	0		21.52	0.91	20.28	7.00	38.45	PASS
	Middle	1	0	QPSK	21.31	0.91	20.07	7.00	38.45	PASS
		6	0		21.49	0.91	20.25	7.00	38.45	PASS
		1	0	16-QAM	21.07	0.91	19.83	7.00	38.45	PASS
		5	0		21.45	0.91	20.21	7.00	38.45	PASS
	Highest	1	0	QPSK	21.25	0.91	20.01	7.00	38.45	PASS
		6	0		21.57	0.91	20.33	7.00	38.45	PASS
		1	0	16-QAM	21.3	0.91	20.06	7.00	38.45	PASS
		5	0		21.47	0.91	20.23	7.00	38.45	PASS



Radiated Power (ERP) for CAT-M Band 26 Part90/1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.18	0.91	18.94	100.00	50.00	PASS
		6	0		19.63	0.91	18.39	100.00	50.00	PASS
		1	0	16-QAM	20.62	0.91	19.38	100.00	50.00	PASS
		5	0		19.7	0.91	18.46	100.00	50.00	PASS
	Middle	1	0	QPSK	21.75	0.91	20.51	100.00	50.00	PASS
		6	0		19.62	0.91	18.38	100.00	50.00	PASS
		1	0	16-QAM	20.55	0.91	19.31	100.00	50.00	PASS
		5	0		19.63	0.91	18.39	100.00	50.00	PASS
	Highest	1	0	QPSK	21.53	0.91	20.29	100.00	50.00	PASS
		6	0		19.77	0.91	18.53	100.00	50.00	PASS
		1	0	16-QAM	20.56	0.91	19.32	100.00	50.00	PASS
		5	0		19.74	0.91	18.50	100.00	50.00	PASS

Radiated Power (ERP) for CAT-M Band 26 Part90/3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	21.8	0.91	20.56	100.00	50.00	PASS
		6	0		19.65	0.91	18.41	100.00	50.00	PASS
		1	0	16-QAM	20.6	0.91	19.36	100.00	50.00	PASS
		5	0		19.78	0.91	18.54	100.00	50.00	PASS
	Middle	1	0	QPSK	21.7	0.91	20.46	100.00	50.00	PASS
		6	0		19.6	0.91	18.36	100.00	50.00	PASS
		1	0	16-QAM	20.62	0.91	19.38	100.00	50.00	PASS
		5	0		19.7	0.91	18.46	100.00	50.00	PASS
	Highest	1	0	QPSK	21.59	0.91	20.35	100.00	50.00	PASS
		6	0		19.76	0.91	18.52	100.00	50.00	PASS
		1	0	16-QAM	20.54	0.91	19.30	100.00	50.00	PASS
		5	0		19.7	0.91	18.46	100.00	50.00	PASS

Radiated Power (ERP) for CAT-M Band 26 Part90/5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	21.83	0.91	20.59	100.00	50.00	PASS
		6	0		20.73	0.91	19.49	100.00	50.00	PASS
		1	0	16-QAM	21.75	0.91	20.51	100.00	50.00	PASS
		5	0		20.6	0.91	19.36	100.00	50.00	PASS
	Middle	1	0	QPSK	21.52	0.91	20.28	100.00	50.00	PASS
		6	0		20.66	0.91	19.42	100.00	50.00	PASS
		1	0	16-QAM	21.32	0.91	20.08	100.00	50.00	PASS
		5	0		20.58	0.91	19.34	100.00	50.00	PASS
	Highest	1	0	QPSK	21.5	0.91	20.26	100.00	50.00	PASS
		6	0		20.69	0.91	19.45	100.00	50.00	PASS
		1	0	16-QAM	21.37	0.91	20.13	100.00	50.00	PASS
		5	0		20.5	0.91	19.26	100.00	50.00	PASS



Radiated Power (ERP) for CAT-M Band 26 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit(W)	ERP Limit(dBm)	Verdict
10	Middle	1	0	QPSK	21.6	0.91	20.36	100.00	50.00	PASS
		6	0		21.64	0.91	20.40	100.00	50.00	PASS
		1	0	16-QAM	21.4	0.91	20.16	100.00	50.00	PASS
		5	0		21.64	0.91	20.40	100.00	50.00	PASS

Radiated Power (EIRP) for CAT-M Band 66 /1.4M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
1.4	Lowest	1	0	QPSK	20.85	3.12	23.97	1.00	30.00	PASS
		6	0		19.04	3.12	22.16	1.00	30.00	PASS
		1	0	16-QAM	19.73	3.12	22.85	1.00	30.00	PASS
		5	0		18.83	3.12	21.95	1.00	30.00	PASS
	Middle	1	0	QPSK	21.06	3.12	24.18	1.00	30.00	PASS
		6	0		18.99	3.12	22.11	1.00	30.00	PASS
		1	0	16-QAM	19.75	3.12	22.87	1.00	30.00	PASS
		5	0		18.9	3.12	22.02	1.00	30.00	PASS
	Highest	1	0	QPSK	21.04	3.12	24.16	1.00	30.00	PASS
		6	0		19.13	3.12	22.25	1.00	30.00	PASS
		1	0	16-QAM	20.03	3.12	23.15	1.00	30.00	PASS
		5	0		19.19	3.12	22.31	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 66 /3M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
3	Lowest	1	0	QPSK	21.07	3.12	24.19	1.00	30.00	PASS
		6	0		18.99	3.12	22.11	1.00	30.00	PASS
		1	0	16-QAM	19.97	3.12	23.09	1.00	30.00	PASS
		5	0		19.11	3.12	22.23	1.00	30.00	PASS
	Middle	1	0	QPSK	21.08	3.12	24.20	1.00	30.00	PASS
		6	0		19	3.12	22.12	1.00	30.00	PASS
		1	0	16-QAM	19.94	3.12	23.06	1.00	30.00	PASS
		5	0		19	3.12	22.12	1.00	30.00	PASS
	Highest	1	0	QPSK	21.09	3.12	24.21	1.00	30.00	PASS
		6	0		19.16	3.12	22.28	1.00	30.00	PASS
		1	0	16-QAM	19.97	3.12	23.09	1.00	30.00	PASS
		5	0		19.13	3.12	22.25	1.00	30.00	PASS



Radiated Power (EIRP) for CAT-M Band 66 /5M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
5	Lowest	1	0	QPSK	20.86	3.12	23.98	1.00	30.00	PASS
		6	0		19.88	3.12	23.00	1.00	30.00	PASS
		1	0	16-QAM	21.07	3.12	24.19	1.00	30.00	PASS
		5	0		20.05	3.12	23.17	1.00	30.00	PASS
	Middle	1	0	QPSK	20.94	3.12	24.06	1.00	30.00	PASS
		6	0		20.14	3.12	23.26	1.00	30.00	PASS
		1	0	16-QAM	21.05	3.12	24.17	1.00	30.00	PASS
		5	0		20.09	3.12	23.21	1.00	30.00	PASS
	Highest	1	0	QPSK	20.98	3.12	24.10	1.00	30.00	PASS
		6	0		20.16	3.12	23.28	1.00	30.00	PASS
		1	0	16-QAM	21.09	3.12	24.21	1.00	30.00	PASS
		5	0		20.08	3.12	23.20	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 66 /10M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
10	Lowest	1	0	QPSK	21	3.12	24.12	1.00	30.00	PASS
		6	0		21.11	3.12	24.23	1.00	30.00	PASS
		1	0	16-QAM	21.13	3.12	24.25	1.00	30.00	PASS
		5	0		21.13	3.12	24.25	1.00	30.00	PASS
	Middle	1	0	QPSK	20.96	3.12	24.08	1.00	30.00	PASS
		6	0		20.99	3.12	24.11	1.00	30.00	PASS
		1	0	16-QAM	21.01	3.12	24.13	1.00	30.00	PASS
		5	0		21	3.12	24.12	1.00	30.00	PASS
	Highest	1	0	QPSK	21.08	3.12	24.20	1.00	30.00	PASS
		6	0		21.26	3.12	24.38	1.00	30.00	PASS
		1	0	16-QAM	21.09	3.12	24.21	1.00	30.00	PASS
		5	0		21.04	3.12	24.16	1.00	30.00	PASS



Radiated Power (EIRP) for CAT-M Band 66 /15M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
15	Lowest	1	0	QPSK	21.23	3.12	24.35	1.00	30.00	PASS
		6	0		21.11	3.12	24.23	1.00	30.00	PASS
		1	0	16-QAM	20.98	3.12	24.10	1.00	30.00	PASS
		5	0		21.09	3.12	24.21	1.00	30.00	PASS
	Middle	1	0	QPSK	20.99	3.12	24.11	1.00	30.00	PASS
		6	0		21.04	3.12	24.16	1.00	30.00	PASS
		1	0	16-QAM	20.97	3.12	24.09	1.00	30.00	PASS
		5	0		21	3.12	24.12	1.00	30.00	PASS
	Highest	1	0	QPSK	20.81	3.12	23.93	1.00	30.00	PASS
		6	0		21.2	3.12	24.32	1.00	30.00	PASS
		1	0	16-QAM	21	3.12	24.12	1.00	30.00	PASS
		5	0		21.28	3.12	24.40	1.00	30.00	PASS

Radiated Power (EIRP) for CAT-M Band 66 /20M										
BW (MHz)	UL Channel	RB Size	RB offset	Modulation	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Verdict
20	Lowest	1	0	QPSK	21.03	3.12	24.15	1.00	30.00	PASS
		6	0		21.07	3.12	24.19	1.00	30.00	PASS
		1	0	16-QAM	21.13	3.12	24.25	1.00	30.00	PASS
		5	0		21.14	3.12	24.26	1.00	30.00	PASS
	Middle	1	0	QPSK	21.17	3.12	24.29	1.00	30.00	PASS
		6	0		21.09	3.12	24.21	1.00	30.00	PASS
		1	0	16-QAM	21.17	3.12	24.29	1.00	30.00	PASS
		5	0		21.13	3.12	24.25	1.00	30.00	PASS
	Highest	1	0	QPSK	20.98	3.12	24.10	1.00	30.00	PASS
		6	0		21.17	3.12	24.29	1.00	30.00	PASS
		1	0	16-QAM	20.99	3.12	24.11	1.00	30.00	PASS
		5	0		21.04	3.12	24.16	1.00	30.00	PASS

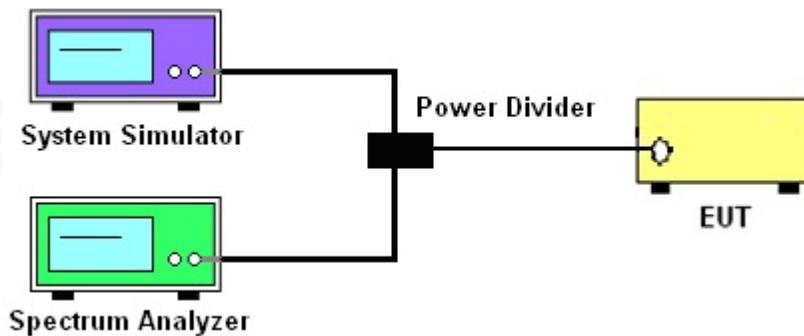
4. PEAK-TO-AVERAGE RATIO

4.1 DESCRIPTION OF THE CONDUCTED OUTPUT POWER MEASUREMENT

4.1.1 MEASUREMENT METHOD

Use one of the procedures presented in 4.1.3 to measure the total peak power and record as PPK. Use one of the applicable procedures presented 4.1.3 to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:
 $PAPR (dB) = PPK (dBm) - PAvg (dBm)$.

4.1.2 TEST SETUP



4.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.7 and ANSI C63.26 2015 Section 5.2.6.
2. The EUT was connected to spectrum and system simulator via a power divider
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure the peak and average power of the spectrum analyzer
5. Record the deviation as Peak to Average Ratio.

4.1.4 TEST RESULTS

Note: The test data please reference to attachment "STS2502057W01_Appendix CAT-M".

5. OCCUPIED BANDWIDTH

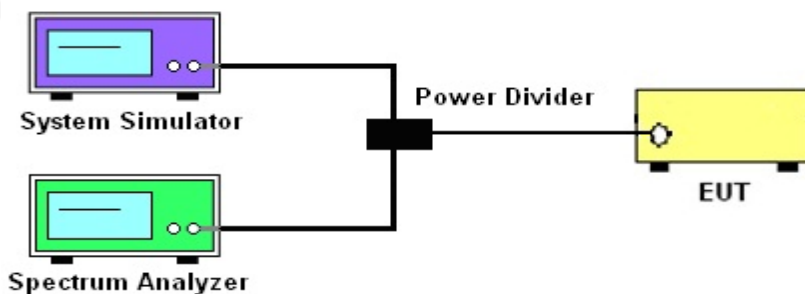
5.1 DESCRIPTION OF OCCUPIED BANDWIDTH MEASUREMENT

5.1.1 MEASUREMENT METHOD

1. The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

2. The 26 db emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 db below the maximum in-band spectral density of the modulated signal. spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

5.1.2 TEST SETUP



5.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01 v03r01 Section 4.2 and 4.3.
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure the Occupied Bandwidth of the spectrum analyzer.
5. Measure and record the Occupied Bandwidth from the Spectrum Analyzer.

5.1.4 MEASUREMENT RESULT

Note: The test data please reference to attachment "STS2502057W01_Appendix CAT-M".



6. CONDUCTED BAND EDGE

6.1 DESCRIPTION OF CONDUCTED BAND EDGE MEASUREMENT

6.1.1 MEASUREMENT METHOD

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4. §27.53(m)(4)

For operations in the 2500 MHz ~ 2570 MHz band this section, 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.

5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.