
Transmitter Radiated Power (EIRP/ERP)

CAT M Mode Test Data

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 2										
1.4	LCH	QPSK	1	0	20.52	4.61	25.13	0.326	2.000	Pass
			6	0	18.36	4.61	22.97	0.198	2.000	Pass
		Q16	1	0	19.52	4.61	24.13	0.259	2.000	Pass
			5	0	18.47	4.61	23.08	0.203	2.000	Pass
	MCH	QPSK	1	0	20.46	4.61	25.07	0.321	2.000	Pass
			6	0	18.42	4.61	23.03	0.201	2.000	Pass
		Q16	1	0	19.57	4.61	24.18	0.262	2.000	Pass
			5	0	18.52	4.61	23.13	0.206	2.000	Pass
	HCH	QPSK	1	0	20.41	4.61	25.02	0.318	2.000	Pass
			6	0	18.22	4.61	22.83	0.192	2.000	Pass
		Q16	1	0	19.48	4.61	24.09	0.256	2.000	Pass
			5	0	18.45	4.61	23.06	0.202	2.000	Pass
3	LCH	QPSK	1	0	20.47	4.61	25.08	0.322	2.000	Pass
			6	0	18.55	4.61	23.16	0.207	2.000	Pass
		Q16	1	0	19.48	4.61	24.09	0.256	2.000	Pass
			5	0	18.54	4.61	23.15	0.207	2.000	Pass
	MCH	QPSK	1	0	20.66	4.61	25.27	0.337	2.000	Pass
			6	0	18.58	4.61	23.19	0.208	2.000	Pass
		Q16	1	0	19.46	4.61	24.07	0.255	2.000	Pass
			5	0	18.51	4.61	23.12	0.205	2.000	Pass
	HCH	QPSK	1	0	20.45	4.61	25.06	0.321	2.000	Pass
			6	0	18.31	4.61	22.92	0.196	2.000	Pass
		Q16	1	0	19.51	4.61	24.12	0.258	2.000	Pass
			5	0	18.45	4.61	23.06	0.202	2.000	Pass
5	LCH	QPSK	1	0	20.63	4.61	25.24	0.334	2.000	Pass
			6	0	19.54	4.61	24.15	0.260	2.000	Pass
		Q16	1	0	20.62	4.61	25.23	0.333	2.000	Pass
			5	0	19.61	4.61	24.22	0.264	2.000	Pass
	MCH	QPSK	1	0	20.52	4.61	25.13	0.326	2.000	Pass
			6	0	19.68	4.61	24.29	0.269	2.000	Pass
		Q16	1	0	20.47	4.61	25.08	0.322	2.000	Pass
			5	0	19.63	4.61	24.24	0.265	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 2										
	HCH	QPSK	1	0	20.69	4.61	25.30	0.339	2.000	Pass
			6	0	19.52	4.61	24.13	0.259	2.000	Pass
		Q16	1	0	20.44	4.61	25.05	0.320	2.000	Pass
			5	0	19.12	4.61	23.73	0.236	2.000	Pass
10	LCH	QPSK	1	0	20.45	4.61	25.06	0.321	2.000	Pass
			6	0	19.3	4.61	23.91	0.246	2.000	Pass
		Q16	1	0	20.46	4.61	25.07	0.321	2.000	Pass
			5	0	20.43	4.61	25.04	0.319	2.000	Pass
	MCH	QPSK	1	0	20.53	4.61	25.14	0.327	2.000	Pass
			6	0	19.51	4.61	24.12	0.258	2.000	Pass
		Q16	1	0	20.71	4.61	25.32	0.340	2.000	Pass
			5	0	20.72	4.61	25.33	0.341	2.000	Pass
	HCH	QPSK	1	0	20.64	4.61	25.25	0.335	2.000	Pass
			6	0	19.37	4.61	23.98	0.250	2.000	Pass
		Q16	1	0	20.76	4.61	25.37	0.344	2.000	Pass
			5	0	20.4	4.61	25.01	0.317	2.000	Pass
15	LCH	QPSK	1	0	20.5	4.61	25.11	0.324	2.000	Pass
			6	0	20.45	4.61	25.06	0.321	2.000	Pass
		Q16	1	0	20.6	4.61	25.21	0.332	2.000	Pass
			5	0	20.5	4.61	25.11	0.324	2.000	Pass
	MCH	QPSK	1	0	20.54	4.61	25.15	0.327	2.000	Pass
			6	0	20.54	4.61	25.15	0.327	2.000	Pass
		Q16	1	0	20.85	4.61	25.46	0.352	2.000	Pass
			5	0	20.61	4.61	25.22	0.333	2.000	Pass
	HCH	QPSK	1	0	20.66	4.61	25.27	0.337	2.000	Pass
			6	0	20.41	4.61	25.02	0.318	2.000	Pass
		Q16	1	0	20.59	4.61	25.20	0.331	2.000	Pass
			5	0	20.43	4.61	25.04	0.319	2.000	Pass
20	LCH	QPSK	1	0	20.48	4.61	25.09	0.323	2.000	Pass
			6	0	20.39	4.61	25.00	0.316	2.000	Pass
		Q16	1	0	20.65	4.61	25.26	0.336	2.000	Pass
			5	0	20.45	4.61	25.06	0.321	2.000	Pass
	MCH	QPSK	1	0	20.44	4.61	25.05	0.320	2.000	Pass
			6	0	20.54	4.61	25.15	0.327	2.000	Pass
		Q16	1	0	20.44	4.61	25.05	0.320	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulati on	UL RB Numb er	UL RB Positio n	Measure d (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 2										
	HCH	QPSK	5	0	20.49	4.61	25.10	0.324	2.000	Pass
			1	0	20.69	4.61	25.30	0.339	2.000	Pass
		Q16	6	0	20.54	4.61	25.15	0.327	2.000	Pass
			1	0	20.61	4.61	25.22	0.333	2.000	Pass
			5	0	20.36	4.61	24.97	0.314	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 4										
1.4	LCH	QPSK	1	0	20.57	2.18	22.75	0.188	1.000	Pass
			6	0	18.62	2.18	20.80	0.120	1.000	Pass
		Q16	1	0	19.45	2.18	21.63	0.146	1.000	Pass
			5	0	18.55	2.18	20.73	0.118	1.000	Pass
	MCH	QPSK	1	0	20.43	2.18	22.61	0.182	1.000	Pass
			6	0	18.51	2.18	20.69	0.117	1.000	Pass
		Q16	1	0	19.37	2.18	21.55	0.143	1.000	Pass
			5	0	18.62	2.18	20.80	0.120	1.000	Pass
	HCH	QPSK	1	0	20.44	2.18	22.62	0.183	1.000	Pass
			6	0	18.64	2.18	20.82	0.121	1.000	Pass
		Q16	1	0	19.65	2.18	21.83	0.152	1.000	Pass
			5	0	18.7	2.18	20.88	0.122	1.000	Pass
3	LCH	QPSK	1	0	20.53	2.18	22.71	0.187	1.000	Pass
			6	0	18.58	2.18	20.76	0.119	1.000	Pass
		Q16	1	0	19.1	2.18	21.28	0.134	1.000	Pass
			5	0	18.34	2.18	20.52	0.113	1.000	Pass
	MCH	QPSK	1	0	20.45	2.18	22.63	0.183	1.000	Pass
			6	0	18.48	2.18	20.66	0.116	1.000	Pass
		Q16	1	0	19.16	2.18	21.34	0.136	1.000	Pass
			5	0	18.42	2.18	20.60	0.115	1.000	Pass
	HCH	QPSK	1	0	20.92	2.18	23.10	0.204	1.000	Pass
			6	0	18.82	2.18	21.00	0.126	1.000	Pass
		Q16	1	0	19.47	2.18	21.65	0.146	1.000	Pass
			5	0	18.68	2.18	20.86	0.122	1.000	Pass
5	LCH	QPSK	1	0	20.36	2.18	22.54	0.179	1.000	Pass
			6	0	19.3	2.18	21.48	0.141	1.000	Pass
		Q16	1	0	20.32	2.18	22.50	0.178	1.000	Pass
			5	0	19.27	2.18	21.45	0.140	1.000	Pass
	MCH	QPSK	1	0	20.56	2.18	22.74	0.188	1.000	Pass
			6	0	19.71	2.18	21.89	0.155	1.000	Pass
		Q16	1	0	20.61	2.18	22.79	0.190	1.000	Pass
			5	0	19.6	2.18	21.78	0.151	1.000	Pass
	HCH	QPSK	1	0	20.62	2.18	22.80	0.191	1.000	Pass
			6	0	19.7	2.18	21.88	0.154	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 4										
10		Q16	1	0	20.44	2.18	22.62	0.183	1.000	Pass
			5	0	19.44	2.18	21.62	0.145	1.000	Pass
	LCH	QPSK	1	0	20.52	2.18	22.70	0.186	1.000	Pass
			6	0	19.41	2.18	21.59	0.144	1.000	Pass
		Q16	1	0	20.49	2.18	22.67	0.185	1.000	Pass
			5	0	20.29	2.18	22.47	0.177	1.000	Pass
	MCH	QPSK	1	0	20.57	2.18	22.75	0.188	1.000	Pass
			6	0	19.51	2.18	21.69	0.148	1.000	Pass
		Q16	1	0	20.37	2.18	22.55	0.180	1.000	Pass
			5	0	20.03	2.18	22.21	0.166	1.000	Pass
	HCH	QPSK	1	0	20.48	2.18	22.66	0.185	1.000	Pass
			6	0	19.54	2.18	21.72	0.149	1.000	Pass
		Q16	1	0	20.4	2.18	22.58	0.181	1.000	Pass
			5	0	20.42	2.18	22.60	0.182	1.000	Pass
15	LCH	QPSK	1	0	20.44	2.18	22.62	0.183	1.000	Pass
			6	0	20.38	2.18	22.56	0.180	1.000	Pass
		Q16	1	0	20.58	2.18	22.76	0.189	1.000	Pass
			5	0	20.36	2.18	22.54	0.179	1.000	Pass
	MCH	QPSK	1	0	20.48	2.18	22.66	0.185	1.000	Pass
			6	0	20.45	2.18	22.63	0.183	1.000	Pass
		Q16	1	0	20.06	2.18	22.24	0.167	1.000	Pass
			5	0	20.26	2.18	22.44	0.175	1.000	Pass
	HCH	QPSK	1	0	20.52	2.18	22.70	0.186	1.000	Pass
			6	0	20.48	2.18	22.66	0.185	1.000	Pass
		Q16	1	0	20.69	2.18	22.87	0.194	1.000	Pass
			5	0	20.52	2.18	22.70	0.186	1.000	Pass
20	LCH	QPSK	1	0	20.39	2.18	22.57	0.181	1.000	Pass
			6	0	20.33	2.18	22.51	0.178	1.000	Pass
		Q16	1	0	20.55	2.18	22.73	0.187	1.000	Pass
			5	0	20.39	2.18	22.57	0.181	1.000	Pass
	MCH	QPSK	1	0	20.52	2.18	22.70	0.186	1.000	Pass
			6	0	20.43	2.18	22.61	0.182	1.000	Pass
		Q16	1	0	20.48	2.18	22.66	0.185	1.000	Pass
			5	0	20.42	2.18	22.60	0.182	1.000	Pass
	HCH	QPSK	1	0	20.45	2.18	22.63	0.183	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 4										
		Q16	6	0	20.42	2.18	22.60	0.182	1.000	Pass
			1	0	20.24	2.18	22.42	0.175	1.000	Pass
			5	0	20.29	2.18	22.47	0.177	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 5											
1.4	LCH	QPSK	1	0	20.2	2.43	0.28	20.48	0.112	7.000	Pass
			6	0	18.02	2.43	0.28	18.30	0.068	7.000	Pass
		Q16	1	0	19.11	2.43	0.28	19.39	0.087	7.000	Pass
			5	0	18.04	2.43	0.28	18.32	0.068	7.000	Pass
	MCH	QPSK	1	0	20.16	2.43	0.28	20.44	0.111	7.000	Pass
			6	0	18.08	2.43	0.28	18.36	0.069	7.000	Pass
		Q16	1	0	19.13	2.43	0.28	19.41	0.087	7.000	Pass
			5	0	17.89	2.43	0.28	18.17	0.066	7.000	Pass
	HCH	QPSK	1	0	20.25	2.43	0.28	20.53	0.113	7.000	Pass
			6	0	17.91	2.43	0.28	18.19	0.066	7.000	Pass
		Q16	1	0	19.09	2.43	0.28	19.37	0.086	7.000	Pass
			5	0	17.87	2.43	0.28	18.15	0.065	7.000	Pass
3	LCH	QPSK	1	0	20.22	2.43	0.28	20.50	0.112	7.000	Pass
			6	0	17.98	2.43	0.28	18.26	0.067	7.000	Pass
		Q16	1	0	19.08	2.43	0.28	19.36	0.086	7.000	Pass
			5	0	18.06	2.43	0.28	18.34	0.068	7.000	Pass
	MCH	QPSK	1	0	20.15	2.43	0.28	20.43	0.110	7.000	Pass
			6	0	18.1	2.43	0.28	18.38	0.069	7.000	Pass
		Q16	1	0	19.17	2.43	0.28	19.45	0.088	7.000	Pass
			5	0	18.08	2.43	0.28	18.36	0.069	7.000	Pass
	HCH	QPSK	1	0	20.12	2.43	0.28	20.40	0.110	7.000	Pass
			6	0	18.08	2.43	0.28	18.36	0.069	7.000	Pass
		Q16	1	0	19.23	2.43	0.28	19.51	0.089	7.000	Pass
			5	0	18.1	2.43	0.28	18.38	0.069	7.000	Pass
5	LCH	QPSK	1	0	20.31	2.43	0.28	20.59	0.115	7.000	Pass
			6	0	19.1	2.43	0.28	19.38	0.087	7.000	Pass
		Q16	1	0	20.25	2.43	0.28	20.53	0.113	7.000	Pass
			5	0	19.03	2.43	0.28	19.31	0.085	7.000	Pass
	MCH	QPSK	1	0	19.82	2.43	0.28	20.10	0.102	7.000	Pass
			6	0	18.84	2.43	0.28	19.12	0.082	7.000	Pass
		Q16	1	0	19.98	2.43	0.28	20.26	0.106	7.000	Pass
			5	0	18.73	2.43	0.28	19.01	0.080	7.000	Pass
	HCH	QPSK	1	0	20.04	2.43	0.28	20.32	0.108	7.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 5											
10	LCH	QPSK	6	0	19.08	2.43	0.28	19.36	0.086	7.000	Pass
			1	0	19.9	2.43	0.28	20.18	0.104	7.000	Pass
		Q16	5	0	18.76	2.43	0.28	19.04	0.080	7.000	Pass
			1	0	19.94	2.43	0.28	20.22	0.105	7.000	Pass
		QPSK	6	0	19.1	2.43	0.28	19.38	0.087	7.000	Pass
			1	0	19.94	2.43	0.28	20.22	0.105	7.000	Pass
		Q16	5	0	19.84	2.43	0.28	20.12	0.103	7.000	Pass
			1	0	19.94	2.43	0.28	20.22	0.105	7.000	Pass
	MCH	QPSK	1	0	20.01	2.43	0.28	20.29	0.107	7.000	Pass
			6	0	18.92	2.43	0.28	19.20	0.083	7.000	Pass
		Q16	1	0	19.97	2.43	0.28	20.25	0.106	7.000	Pass
			5	0	19.75	2.43	0.28	20.03	0.101	7.000	Pass
		QPSK	1	0	20.03	2.43	0.28	20.31	0.107	7.000	Pass
			6	0	19.01	2.43	0.28	19.29	0.085	7.000	Pass
		Q16	1	0	19.82	2.43	0.28	20.10	0.102	7.000	Pass
			5	0	19.75	2.43	0.28	20.03	0.101	7.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 12											
1.4	LCH	QPSK	1	0	20.6	1.23	-0.92	19.68	0.093	3.000	Pass
			6	0	18.47	1.23	-0.92	17.55	0.057	3.000	Pass
		Q16	1	0	19.42	1.23	-0.92	18.50	0.071	3.000	Pass
			5	0	18.45	1.23	-0.92	17.53	0.057	3.000	Pass
	MCH	QPSK	1	0	20.45	1.23	-0.92	19.53	0.090	3.000	Pass
			6	0	18.38	1.23	-0.92	17.46	0.056	3.000	Pass
		Q16	1	0	19.26	1.23	-0.92	18.34	0.068	3.000	Pass
			5	0	18.41	1.23	-0.92	17.49	0.056	3.000	Pass
	HCH	QPSK	1	0	20.84	1.23	-0.92	19.92	0.098	3.000	Pass
			6	0	18.77	1.23	-0.92	17.85	0.061	3.000	Pass
		Q16	1	0	19.68	1.23	-0.92	18.76	0.075	3.000	Pass
			5	0	18.77	1.23	-0.92	17.85	0.061	3.000	Pass
3	LCH	QPSK	1	0	20.78	1.23	-0.92	19.86	0.097	3.000	Pass
			6	0	18.62	1.23	-0.92	17.70	0.059	3.000	Pass
		Q16	1	0	19.58	1.23	-0.92	18.66	0.073	3.000	Pass
			5	0	18.62	1.23	-0.92	17.70	0.059	3.000	Pass
	MCH	QPSK	1	0	20.73	1.23	-0.92	19.81	0.096	3.000	Pass
			6	0	18.68	1.23	-0.92	17.76	0.060	3.000	Pass
		Q16	1	0	19.65	1.23	-0.92	18.73	0.075	3.000	Pass
			5	0	18.69	1.23	-0.92	17.77	0.060	3.000	Pass
	HCH	QPSK	1	0	20.82	1.23	-0.92	19.90	0.098	3.000	Pass
			6	0	18.53	1.23	-0.92	17.61	0.058	3.000	Pass
		Q16	1	0	19.61	1.23	-0.92	18.69	0.074	3.000	Pass
			5	0	18.53	1.23	-0.92	17.61	0.058	3.000	Pass
5	LCH	QPSK	1	0	20.67	1.23	-0.92	19.75	0.094	3.000	Pass
			6	0	19.59	1.23	-0.92	18.67	0.074	3.000	Pass
		Q16	1	0	20.38	1.23	-0.92	19.46	0.088	3.000	Pass
			5	0	19.2	1.23	-0.92	18.28	0.067	3.000	Pass
	MCH	QPSK	1	0	20.62	1.23	-0.92	19.70	0.093	3.000	Pass
			6	0	19.47	1.23	-0.92	18.55	0.072	3.000	Pass
		Q16	1	0	20.72	1.23	-0.92	19.80	0.095	3.000	Pass
			5	0	19.32	1.23	-0.92	18.40	0.069	3.000	Pass
	HCH	QPSK	1	0	20.88	1.23	-0.92	19.96	0.099	3.000	Pass
			6	0	19.71	1.23	-0.92	18.79	0.076	3.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 12											
10		Q16	1	0	20.58	1.23	-0.92	19.66	0.092	3.000	Pass
			5	0	19.37	1.23	-0.92	18.45	0.070	3.000	Pass
	LCH	QPSK	1	0	20.69	1.23	-0.92	19.77	0.095	3.000	Pass
			6	0	19.46	1.23	-0.92	18.54	0.071	3.000	Pass
		Q16	1	0	20.44	1.23	-0.92	19.52	0.090	3.000	Pass
			5	0	20.22	1.23	-0.92	19.30	0.085	3.000	Pass
	MCH	QPSK	1	0	20.66	1.23	-0.92	19.74	0.094	3.000	Pass
			6	0	19.46	1.23	-0.92	18.54	0.071	3.000	Pass
		Q16	1	0	20.73	1.23	-0.92	19.81	0.096	3.000	Pass
			5	0	20.48	1.23	-0.92	19.56	0.090	3.000	Pass
	HCH	QPSK	1	0	20.78	1.23	-0.92	19.86	0.097	3.000	Pass
			6	0	19.27	1.23	-0.92	18.35	0.068	3.000	Pass
		Q16	1	0	20.79	1.23	-0.92	19.87	0.097	3.000	Pass
			5	0	20.45	1.23	-0.92	19.53	0.090	3.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 13											
5	LCH	QPSK	1	0	20.59	2.43	0.28	20.87	0.122	3.000	Pass
			6	0	19.56	2.43	0.28	19.84	0.096	3.000	Pass
		Q16	1	0	20.6	2.43	0.28	20.88	0.122	3.000	Pass
			5	0	19.36	2.43	0.28	19.64	0.092	3.000	Pass
	MCH	QPSK	1	0	20.42	2.43	0.28	20.70	0.117	3.000	Pass
			6	0	19.38	2.43	0.28	19.66	0.092	3.000	Pass
		Q16	1	0	20.63	2.43	0.28	20.91	0.123	3.000	Pass
			5	0	19.26	2.43	0.28	19.54	0.090	3.000	Pass
	HCH	QPSK	1	0	20.3	2.43	0.28	20.58	0.114	3.000	Pass
			6	0	19.26	2.43	0.28	19.54	0.090	3.000	Pass
		Q16	1	0	20.44	2.43	0.28	20.72	0.118	3.000	Pass
			5	0	19.18	2.43	0.28	19.46	0.088	3.000	Pass
10	MCH	QPSK	1	0	20.67	2.43	0.28	20.95	0.124	3.000	Pass
			6	0	19.59	2.43	0.28	19.87	0.097	3.000	Pass
		Q16	1	0	20.75	2.43	0.28	21.03	0.127	3.000	Pass
			5	0	20.46	2.43	0.28	20.74	0.119	3.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 25										
1.4	LCH	QPSK	1	0	20.78	4.61	25.39	0.346	2.000	Pass
			6	0	18.8	4.61	23.41	0.219	2.000	Pass
		Q16	1	0	19.72	4.61	24.33	0.271	2.000	Pass
			5	0	18.78	4.61	23.39	0.218	2.000	Pass
	MCH	QPSK	1	0	20.43	4.61	25.04	0.319	2.000	Pass
			6	0	18.44	4.61	23.05	0.202	2.000	Pass
		Q16	1	0	19.55	4.61	24.16	0.261	2.000	Pass
			5	0	18.5	4.61	23.11	0.205	2.000	Pass
	HCH	QPSK	1	0	20.46	4.61	25.07	0.321	2.000	Pass
			6	0	18.32	4.61	22.93	0.196	2.000	Pass
		Q16	1	0	19.34	4.61	23.95	0.248	2.000	Pass
			5	0	18.42	4.61	23.03	0.201	2.000	Pass
3	LCH	QPSK	1	0	20.62	4.61	25.23	0.333	2.000	Pass
			6	0	18.71	4.61	23.32	0.215	2.000	Pass
		Q16	1	0	19.73	4.61	24.34	0.272	2.000	Pass
			5	0	18.8	4.61	23.41	0.219	2.000	Pass
	MCH	QPSK	1	0	20.68	4.61	25.29	0.338	2.000	Pass
			6	0	18.63	4.61	23.24	0.211	2.000	Pass
		Q16	1	0	19.59	4.61	24.20	0.263	2.000	Pass
			5	0	18.57	4.61	23.18	0.208	2.000	Pass
	HCH	QPSK	1	0	20.7	4.61	25.31	0.340	2.000	Pass
			6	0	18.67	4.61	23.28	0.213	2.000	Pass
		Q16	1	0	19.57	4.61	24.18	0.262	2.000	Pass
			5	0	18.58	4.61	23.19	0.208	2.000	Pass
5	LCH	QPSK	1	0	20.56	4.61	25.17	0.329	2.000	Pass
			6	0	19.63	4.61	24.24	0.265	2.000	Pass
		Q16	1	0	20.93	4.61	25.54	0.358	2.000	Pass
			5	0	19.76	4.61	24.37	0.274	2.000	Pass
	MCH	QPSK	1	0	20.54	4.61	25.15	0.327	2.000	Pass
			6	0	19.58	4.61	24.19	0.262	2.000	Pass
		Q16	1	0	20.75	4.61	25.36	0.344	2.000	Pass
			5	0	19.48	4.61	24.09	0.256	2.000	Pass
	HCH	QPSK	1	0	20.56	4.61	25.17	0.329	2.000	Pass
			6	0	19.5	4.61	24.11	0.258	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 25										
10	LCH	Q16	1	0	20.66	4.61	25.27	0.337	2.000	Pass
			5	0	19.46	4.61	24.07	0.255	2.000	Pass
		QPSK	1	0	20.59	4.61	25.20	0.331	2.000	Pass
			6	0	19.64	4.61	24.25	0.266	2.000	Pass
		Q16	1	0	20.89	4.61	25.50	0.355	2.000	Pass
			5	0	20.66	4.61	25.27	0.337	2.000	Pass
	MCH	QPSK	1	0	20.66	4.61	25.27	0.337	2.000	Pass
			6	0	19.58	4.61	24.19	0.262	2.000	Pass
		Q16	1	0	20.73	4.61	25.34	0.342	2.000	Pass
			5	0	20.54	4.61	25.15	0.327	2.000	Pass
	HCH	QPSK	1	0	20.67	4.61	25.28	0.337	2.000	Pass
			6	0	19.61	4.61	24.22	0.264	2.000	Pass
		Q16	1	0	20.66	4.61	25.27	0.337	2.000	Pass
			5	0	20.51	4.61	25.12	0.325	2.000	Pass
15	LCH	QPSK	1	0	20.59	4.61	25.20	0.331	2.000	Pass
			6	0	20.78	4.61	25.39	0.346	2.000	Pass
		Q16	1	0	20.92	4.61	25.53	0.357	2.000	Pass
			5	0	20.63	4.61	25.24	0.334	2.000	Pass
	MCH	QPSK	1	0	20.61	4.61	25.22	0.333	2.000	Pass
			6	0	20.67	4.61	25.28	0.337	2.000	Pass
		Q16	1	0	20.88	4.61	25.49	0.354	2.000	Pass
			5	0	20.68	4.61	25.29	0.338	2.000	Pass
	HCH	QPSK	1	0	20.52	4.61	25.13	0.326	2.000	Pass
			6	0	20.47	4.61	25.08	0.322	2.000	Pass
		Q16	1	0	20.74	4.61	25.35	0.343	2.000	Pass
			5	0	20.49	4.61	25.10	0.324	2.000	Pass
20	LCH	QPSK	1	0	20.58	4.61	25.19	0.330	2.000	Pass
			6	0	20.67	4.61	25.28	0.337	2.000	Pass
		Q16	1	0	20.9	4.61	25.51	0.356	2.000	Pass
			5	0	20.76	4.61	25.37	0.344	2.000	Pass
	MCH	QPSK	1	0	20.64	4.61	25.25	0.335	2.000	Pass
			6	0	20.65	4.61	25.26	0.336	2.000	Pass
		Q16	1	0	20.83	4.61	25.44	0.350	2.000	Pass
			5	0	20.67	4.61	25.28	0.337	2.000	Pass
	HCH	QPSK	1	0	20.6	4.61	25.21	0.332	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulati on	UL RB Numb er	UL RB Positio n	Measure d (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 25										
			6	0	20.57	4.61	25.18	0.330	2.000	Pass
		Q16	1	0	20.6	4.61	25.21	0.332	2.000	Pass
			5	0	20.46	4.61	25.07	0.321	2.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 26(part 22)											
1.4	LCH	QPSK	1	0	20	2.43	0.28	20.28	0.107	7.000	Pass
			6	0	17.91	2.43	0.28	18.19	0.066	7.000	Pass
		Q16	1	0	18.92	2.43	0.28	19.20	0.083	7.000	Pass
			5	0	17.93	2.43	0.28	18.21	0.066	7.000	Pass
	MCH	QPSK	1	0	20.29	2.43	0.28	20.57	0.114	7.000	Pass
			6	0	18.11	2.43	0.28	18.39	0.069	7.000	Pass
		Q16	1	0	19.21	2.43	0.28	19.49	0.089	7.000	Pass
			5	0	18.2	2.43	0.28	18.48	0.070	7.000	Pass
	HCH	QPSK	1	0	20.27	2.43	0.28	20.55	0.114	7.000	Pass
			6	0	18.1	2.43	0.28	18.38	0.069	7.000	Pass
		Q16	1	0	19.1	2.43	0.28	19.38	0.087	7.000	Pass
			5	0	18.11	2.43	0.28	18.39	0.069	7.000	Pass
3	LCH	QPSK	1	0	20.02	2.43	0.28	20.30	0.107	7.000	Pass
			6	0	17.84	2.43	0.28	18.12	0.065	7.000	Pass
		Q16	1	0	18.93	2.43	0.28	19.21	0.083	7.000	Pass
			5	0	17.86	2.43	0.28	18.14	0.065	7.000	Pass
	MCH	QPSK	1	0	20.16	2.43	0.28	20.44	0.111	7.000	Pass
			6	0	18.08	2.43	0.28	18.36	0.069	7.000	Pass
		Q16	1	0	19.27	2.43	0.28	19.55	0.090	7.000	Pass
			5	0	18.22	2.43	0.28	18.50	0.071	7.000	Pass
	HCH	QPSK	1	0	20.08	2.43	0.28	20.36	0.109	7.000	Pass
			6	0	18.12	2.43	0.28	18.40	0.069	7.000	Pass
		Q16	1	0	19.13	2.43	0.28	19.41	0.087	7.000	Pass
			5	0	18.08	2.43	0.28	18.36	0.069	7.000	Pass
5	LCH	QPSK	1	0	19.87	2.43	0.28	20.15	0.104	7.000	Pass
			6	0	18.82	2.43	0.28	19.10	0.081	7.000	Pass
		Q16	1	0	19.89	2.43	0.28	20.17	0.104	7.000	Pass
			5	0	18.59	2.43	0.28	18.87	0.077	7.000	Pass
	MCH	QPSK	1	0	20	2.43	0.28	20.28	0.107	7.000	Pass
			6	0	18.99	2.43	0.28	19.27	0.085	7.000	Pass
		Q16	1	0	20.12	2.43	0.28	20.40	0.110	7.000	Pass
			5	0	18.78	2.43	0.28	19.06	0.081	7.000	Pass
	HCH	QPSK	1	0	19.94	2.43	0.28	20.22	0.105	7.000	Pass
			6	0	18.86	2.43	0.28	19.14	0.082	7.000	Pass
		Q16	1	0	20.01	2.43	0.28	20.29	0.107	7.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 26(part 22)											
			5	0	18.72	2.43	0.28	19.00	0.079	7.000	Pass
10	LCH	QPSK	1	0	19.93	2.43	0.28	20.21	0.105	7.000	Pass
			6	0	18.82	2.43	0.28	19.10	0.081	7.000	Pass
		Q16	1	0	19.96	2.43	0.28	20.24	0.106	7.000	Pass
			5	0	19.84	2.43	0.28	20.12	0.103	7.000	Pass
	MCH	QPSK	1	0	20.1	2.43	0.28	20.38	0.109	7.000	Pass
			6	0	18.99	2.43	0.28	19.27	0.085	7.000	Pass
		Q16	1	0	20.17	2.43	0.28	20.45	0.111	7.000	Pass
			5	0	19.97	2.43	0.28	20.25	0.106	7.000	Pass
	HCH	QPSK	1	0	20.27	2.43	0.28	20.55	0.114	7.000	Pass
			6	0	19.06	2.43	0.28	19.34	0.086	7.000	Pass
		Q16	1	0	20.15	2.43	0.28	20.43	0.110	7.000	Pass
			5	0	19.89	2.43	0.28	20.17	0.104	7.000	Pass
15	LCH	QPSK	1	0	19.9	2.43	0.28	20.18	0.104	7.000	Pass
			6	0	19.93	2.43	0.28	20.21	0.105	7.000	Pass
		Q16	1	0	19.99	2.43	0.28	20.27	0.106	7.000	Pass
			5	0	19.85	2.43	0.28	20.13	0.103	7.000	Pass
	MCH	QPSK	1	0	19.94	2.43	0.28	20.22	0.105	7.000	Pass
			6	0	20.08	2.43	0.28	20.36	0.109	7.000	Pass
		Q16	1	0	20.02	2.43	0.28	20.30	0.107	7.000	Pass
			5	0	19.92	2.43	0.28	20.20	0.105	7.000	Pass
	HCH	QPSK	1	0	20.08	2.43	0.28	20.36	0.109	7.000	Pass
			6	0	20.18	2.43	0.28	20.46	0.111	7.000	Pass
		Q16	1	0	20.22	2.43	0.28	20.50	0.112	7.000	Pass
			5	0	20.01	2.43	0.28	20.29	0.107	7.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 26(part 90)											
1.4	LCH	QPSK	1	0	19.93	2.43	0.28	20.21	0.105	100.00	Pass
			6	0	17.66	2.43	0.28	17.94	0.062	100.00	Pass
		Q16	1	0	18.73	2.43	0.28	19.01	0.080	100.00	Pass
			5	0	17.74	2.43	0.28	18.02	0.063	100.00	Pass
	MCH	QPSK	1	0	19.94	2.43	0.28	20.22	0.105	100.00	Pass
			6	0	17.86	2.43	0.28	18.14	0.065	100.00	Pass
		Q16	1	0	18.81	2.43	0.28	19.09	0.081	100.00	Pass
			5	0	17.84	2.43	0.28	18.12	0.065	100.00	Pass
	HCH	QPSK	1	0	20.01	2.43	0.28	20.29	0.107	100.00	Pass
			6	0	17.85	2.43	0.28	18.13	0.065	100.00	Pass
		Q16	1	0	18.93	2.43	0.28	19.21	0.083	100.00	Pass
			5	0	17.89	2.43	0.28	18.17	0.066	100.00	Pass
3	LCH	QPSK	1	0	19.93	2.43	0.28	20.21	0.105	100.00	Pass
			6	0	17.64	2.43	0.28	17.92	0.062	100.00	Pass
		Q16	1	0	18.72	2.43	0.28	19.00	0.079	100.00	Pass
			5	0	17.72	2.43	0.28	18.00	0.063	100.00	Pass
	MCH	QPSK	1	0	20.03	2.43	0.28	20.31	0.107	100.00	Pass
			6	0	17.82	2.43	0.28	18.10	0.065	100.00	Pass
		Q16	1	0	18.68	2.43	0.28	18.96	0.079	100.00	Pass
			5	0	17.64	2.43	0.28	17.92	0.062	100.00	Pass
	HCH	QPSK	1	0	19.68	2.43	0.28	19.96	0.099	100.00	Pass
			6	0	18.62	2.43	0.28	18.90	0.078	100.00	Pass
		Q16	1	0	19.74	2.43	0.28	20.02	0.100	100.00	Pass
			5	0	18.52	2.43	0.28	18.80	0.076	100.00	Pass
5	LCH	QPSK	1	0	19.58	2.43	0.28	19.86	0.097	100.00	Pass
			6	0	18.63	2.43	0.28	18.91	0.078	100.00	Pass
		Q16	1	0	19.79	2.43	0.28	20.07	0.102	100.00	Pass
			5	0	18.44	2.43	0.28	18.72	0.074	100.00	Pass
	MCH	QPSK	1	0	19.69	2.43	0.28	19.97	0.099	100.00	Pass
			6	0	18.65	2.43	0.28	18.93	0.078	100.00	Pass
		Q16	1	0	19.79	2.43	0.28	20.07	0.102	100.00	Pass
			5	0	18.57	2.43	0.28	18.85	0.077	100.00	Pass
	HCH	QPSK	1	0	19.6	2.43	0.28	19.88	0.097	100.00	Pass
			6	0	18.63	2.43	0.28	18.91	0.078	100.00	Pass

Bandwidth (MHz)	UL Channel	UL Modulati on	UL RB Numb er	UL RB Positio n	Measure d (dBm)	Antenna Gain (dBi)	Anten na Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 26(part 90)											
10	MCH	Q16	1	0	19.79	2.43	0.28	20.07	0.102	100.00	Pass
			5	0	18.54	2.43	0.28	18.82	0.076	100.00	Pass
		QPSK	1	0	19.97	2.43	0.28	20.25	0.106	100.00	Pass
			6	0	18.66	2.43	0.28	18.94	0.078	100.00	Pass
		Q16	1	0	19.73	2.43	0.28	20.01	0.100	100.00	Pass
			5	0	19.55	2.43	0.28	19.83	0.096	100.00	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 66										
1.4	LCH	QPSK	1	0	20.21	2.18	22.39	0.173	1.000	Pass
			6	0	18.53	2.18	20.71	0.118	1.000	Pass
		Q16	1	0	19.48	2.18	21.66	0.147	1.000	Pass
			5	0	18.46	2.18	20.64	0.116	1.000	Pass
	MCH	QPSK	1	0	20.32	2.18	22.50	0.178	1.000	Pass
			6	0	18.46	2.18	20.64	0.116	1.000	Pass
		Q16	1	0	19.51	2.18	21.69	0.148	1.000	Pass
			5	0	18.55	2.18	20.73	0.118	1.000	Pass
	HCH	QPSK	1	0	20.61	2.18	22.79	0.190	1.000	Pass
			6	0	18.73	2.18	20.91	0.123	1.000	Pass
		Q16	1	0	19.55	2.18	21.73	0.149	1.000	Pass
			5	0	18.53	2.18	20.71	0.118	1.000	Pass
3	LCH	QPSK	1	0	20.38	2.18	22.56	0.180	1.000	Pass
			6	0	18.24	2.18	20.42	0.110	1.000	Pass
		Q16	1	0	19.1	2.18	21.28	0.134	1.000	Pass
			5	0	18.28	2.18	20.46	0.111	1.000	Pass
	MCH	QPSK	1	0	20.26	2.18	22.44	0.175	1.000	Pass
			6	0	18.18	2.18	20.36	0.109	1.000	Pass
		Q16	1	0	19.08	2.18	21.26	0.134	1.000	Pass
			5	0	18.32	2.18	20.50	0.112	1.000	Pass
	HCH	QPSK	1	0	20.66	2.18	22.84	0.192	1.000	Pass
			6	0	18.58	2.18	20.76	0.119	1.000	Pass
		Q16	1	0	19.34	2.18	21.52	0.142	1.000	Pass
			5	0	18.45	2.18	20.63	0.116	1.000	Pass
5	LCH	QPSK	1	0	20.1	2.18	22.28	0.169	1.000	Pass
			6	0	19.14	2.18	21.32	0.136	1.000	Pass
		Q16	1	0	20.17	2.18	22.35	0.172	1.000	Pass
			5	0	19.08	2.18	21.26	0.134	1.000	Pass
	MCH	QPSK	1	0	20.45	2.18	22.63	0.183	1.000	Pass
			6	0	19.47	2.18	21.65	0.146	1.000	Pass
		Q16	1	0	20.52	2.18	22.70	0.186	1.000	Pass
			5	0	19.45	2.18	21.63	0.146	1.000	Pass
	HCH	QPSK	1	0	20.15	2.18	22.33	0.171	1.000	Pass
			6	0	19.19	2.18	21.37	0.137	1.000	Pass
		Q16	1	0	20.27	2.18	22.45	0.176	1.000	Pass
			1	0	20.27	2.18	22.45	0.176	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 66										
			5	0	19.13	2.18	21.31	0.135	1.000	Pass
10	LCH	QPSK	1	0	20.1	2.18	22.28	0.169	1.000	Pass
			6	0	19.18	2.18	21.36	0.137	1.000	Pass
		Q16	1	0	20.19	2.18	22.37	0.173	1.000	Pass
			5	0	20.04	2.18	22.22	0.167	1.000	Pass
	MCH	QPSK	1	0	20.49	2.18	22.67	0.185	1.000	Pass
			6	0	19.48	2.18	21.66	0.147	1.000	Pass
		Q16	1	0	20.46	2.18	22.64	0.184	1.000	Pass
			5	0	20.31	2.18	22.49	0.177	1.000	Pass
	HCH	QPSK	1	0	20.27	2.18	22.45	0.176	1.000	Pass
			6	0	19.18	2.18	21.36	0.137	1.000	Pass
		Q16	1	0	20.31	2.18	22.49	0.177	1.000	Pass
			5	0	20.11	2.18	22.29	0.169	1.000	Pass
15	LCH	QPSK	1	0	20.14	2.18	22.32	0.171	1.000	Pass
			6	0	20.11	2.18	22.29	0.169	1.000	Pass
		Q16	1	0	20.35	2.18	22.53	0.179	1.000	Pass
			5	0	20.2	2.18	22.38	0.173	1.000	Pass
	MCH	QPSK	1	0	20.49	2.18	22.67	0.185	1.000	Pass
			6	0	20.38	2.18	22.56	0.180	1.000	Pass
		Q16	1	0	20.55	2.18	22.73	0.187	1.000	Pass
			5	0	20.35	2.18	22.53	0.179	1.000	Pass
	HCH	QPSK	1	0	20.17	2.18	22.35	0.172	1.000	Pass
			6	0	20.11	2.18	22.29	0.169	1.000	Pass
		Q16	1	0	20.33	2.18	22.51	0.178	1.000	Pass
			5	0	20.04	2.18	22.22	0.167	1.000	Pass
20	LCH	QPSK	1	0	20.14	2.18	22.32	0.171	1.000	Pass
			6	0	20.1	2.18	22.28	0.169	1.000	Pass
		Q16	1	0	20.31	2.18	22.49	0.177	1.000	Pass
			5	0	20.05	2.18	22.23	0.167	1.000	Pass
	MCH	QPSK	1	0	20.44	2.18	22.62	0.183	1.000	Pass
			6	0	20.38	2.18	22.56	0.180	1.000	Pass
		Q16	1	0	20.56	2.18	22.74	0.188	1.000	Pass
			5	0	20.31	2.18	22.49	0.177	1.000	Pass
	HCH	QPSK	1	0	20.23	2.18	22.41	0.174	1.000	Pass
			6	0	20.16	2.18	22.34	0.171	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulati on	UL RB Numb er	UL RB Positio n	Measure d (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
Cat-M Band 66										
		Q16	1	0	20.36	2.18	22.54	0.179	1.000	Pass
			5	0	20.08	2.18	22.26	0.168	1.000	Pass

Bandwidth (MHz)	UL Channel	UL Modulation	UL RB Number	UL RB Position	Measured (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
Cat-M Band 85											
5	LCH	QPSK	1	0	20.74	1.23	-0.92	19.82	0.096	3.000	Pass
			6	0	19.58	1.23	-0.92	18.66	0.073	3.000	Pass
		Q16	1	0	20.35	1.23	-0.92	19.43	0.088	3.000	Pass
			5	0	19.06	1.23	-0.92	18.14	0.065	3.000	Pass
	MCH	QPSK	1	0	20.71	1.23	-0.92	19.79	0.095	3.000	Pass
			6	0	19.63	1.23	-0.92	18.71	0.074	3.000	Pass
		Q16	1	0	20.45	1.23	-0.92	19.53	0.090	3.000	Pass
			5	0	19.17	1.23	-0.92	18.25	0.067	3.000	Pass
	HCH	QPSK	1	0	20.86	1.23	-0.92	19.94	0.099	3.000	Pass
			6	0	19.83	1.23	-0.92	18.91	0.078	3.000	Pass
		Q16	1	0	20.65	1.23	-0.92	19.73	0.094	3.000	Pass
			5	0	19.27	1.23	-0.92	18.35	0.068	3.000	Pass
10	LCH	QPSK	1	0	20.4	1.23	-0.92	19.48	0.089	3.000	Pass
			6	0	19.29	1.23	-0.92	18.37	0.069	3.000	Pass
		Q16	1	0	20.52	1.23	-0.92	19.60	0.091	3.000	Pass
			5	0	20.21	1.23	-0.92	19.29	0.085	3.000	Pass
	MCH	QPSK	1	0	20.66	1.23	-0.92	19.74	0.094	3.000	Pass
			6	0	19.49	1.23	-0.92	18.57	0.072	3.000	Pass
		Q16	1	0	20.36	1.23	-0.92	19.44	0.088	3.000	Pass
			5	0	20.37	1.23	-0.92	19.45	0.088	3.000	Pass
	HCH	QPSK	1	0	20.67	1.23	-0.92	19.75	0.094	3.000	Pass
			6	0	19.53	1.23	-0.92	18.61	0.073	3.000	Pass
		Q16	1	0	20.36	1.23	-0.92	19.44	0.088	3.000	Pass
			5	0	20.21	1.23	-0.92	19.29	0.085	3.000	Pass