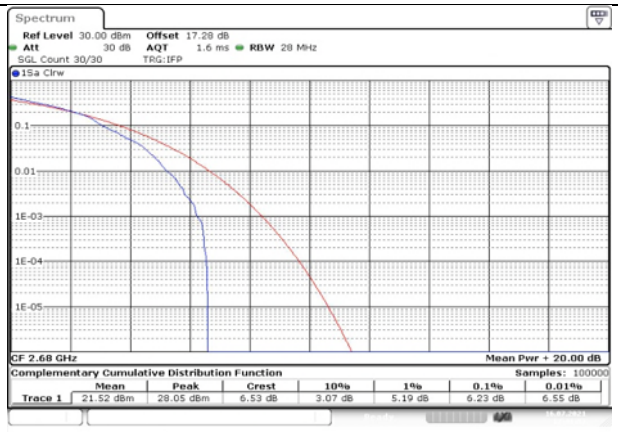

Fig.67

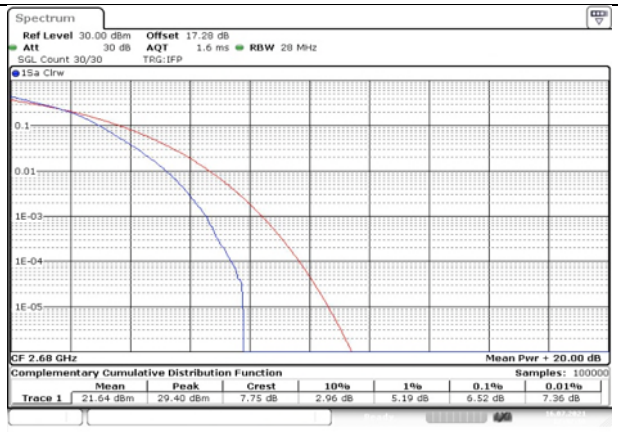

Fig.68

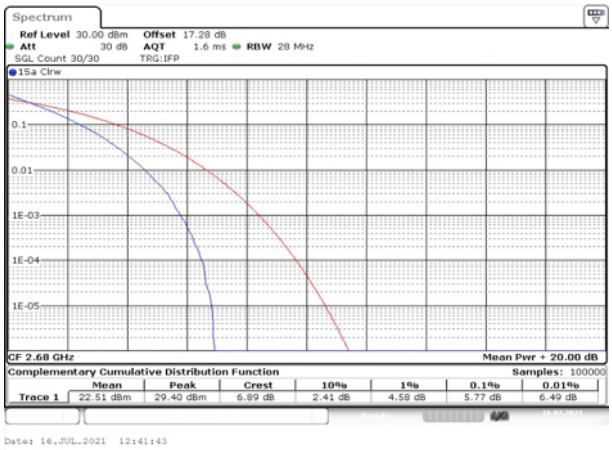

Fig.69

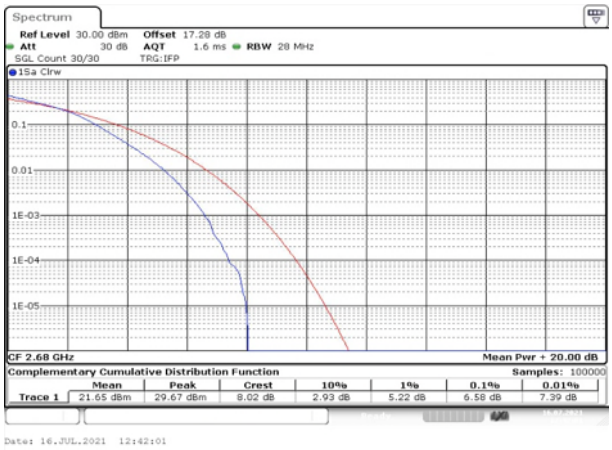

Fig.70

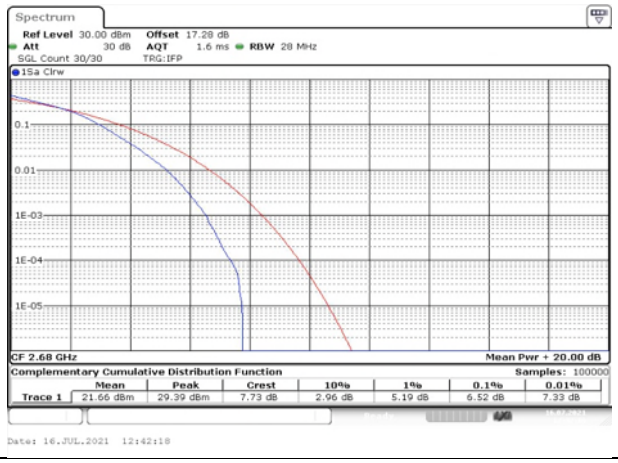

Fig.71

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
41	2506	39750	20	1	0	Fig.1
	2593	40620		1	0	Fig.2
	2680	41490		1	0	Fig.3

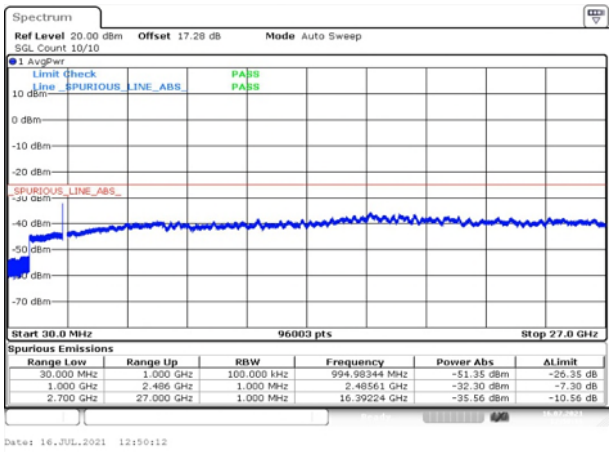

Fig.1

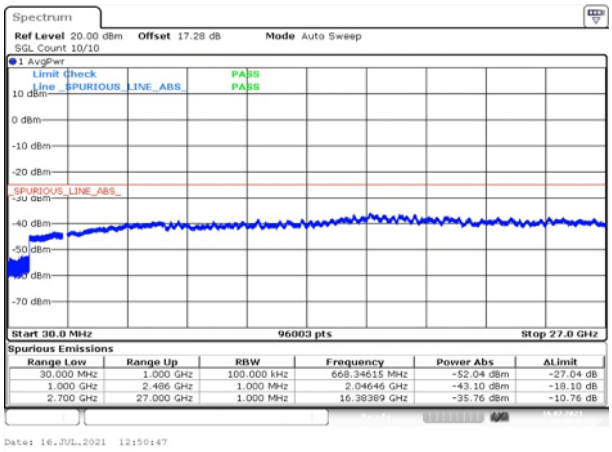

Fig.2

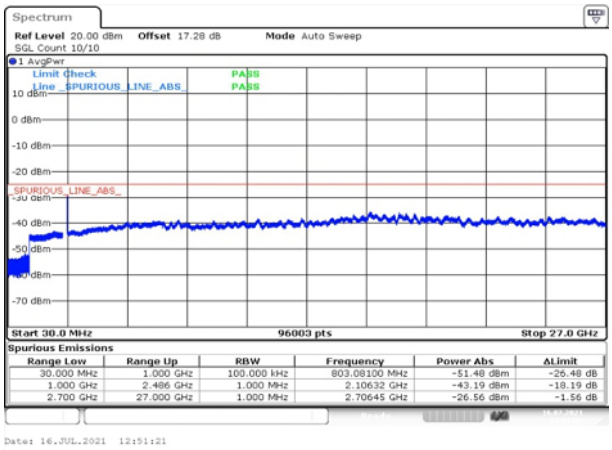

Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
41	2498.5	39675	5	1	0	Fig.1
				25	0	Fig.2
	2687.5	41565		1	24	Fig.3
				25	0	Fig.4
	2501	39700	10	1	0	Fig.5
				50	0	Fig.6
	2685	41540		1	49	Fig.7
				50	0	Fig.8
				1	49	Fig.9
				50	0	Fig.10
	2503.5	39725	15	1	0	Fig.11
				75	0	Fig.12
	2682.5	41515		1	74	Fig.13
				75	0	Fig.14
	2506	39750	20	1	0	Fig.15
				100	0	Fig.16

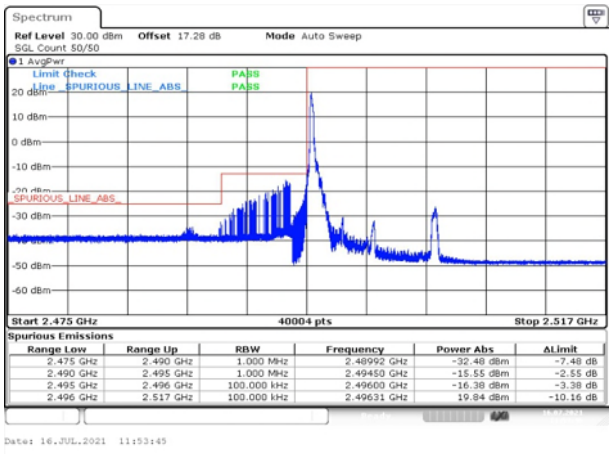

Fig.1

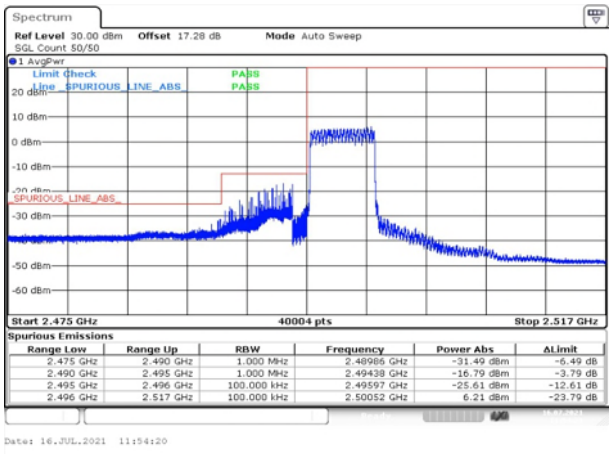

Fig.2

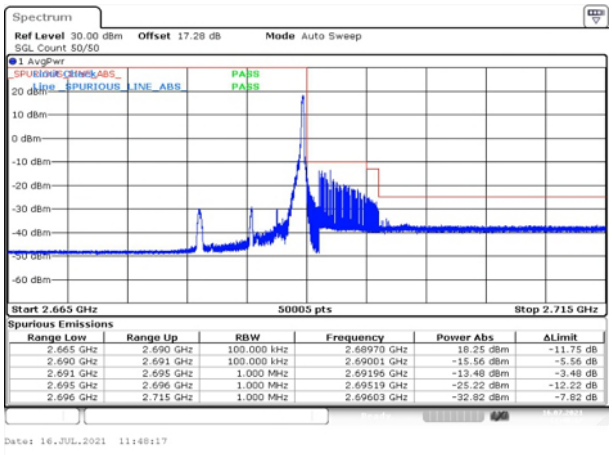

Fig.3

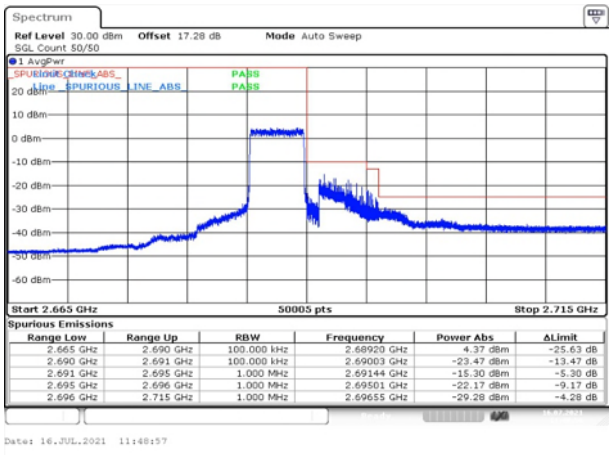

Fig.4

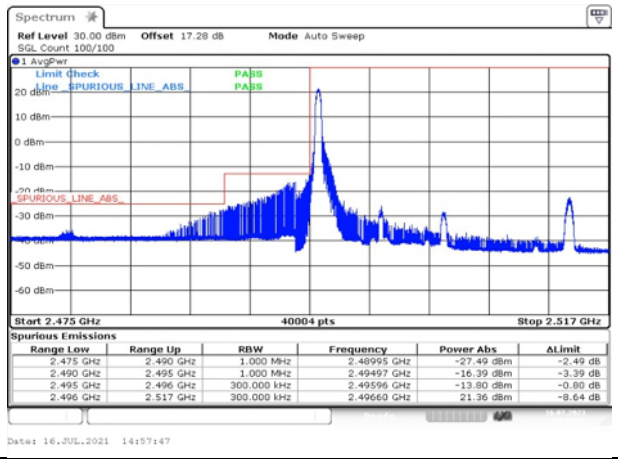

Fig.5

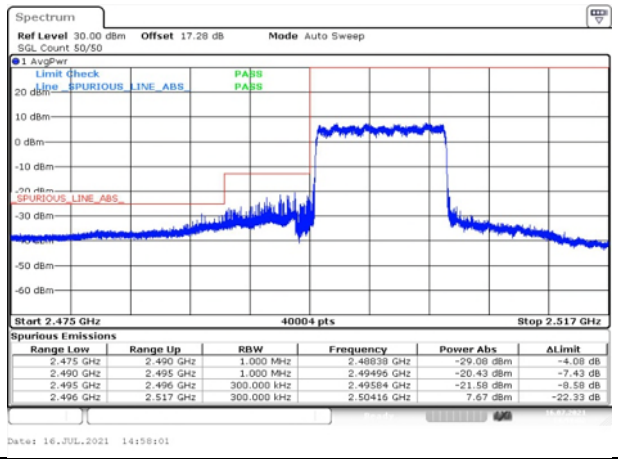

Fig.6

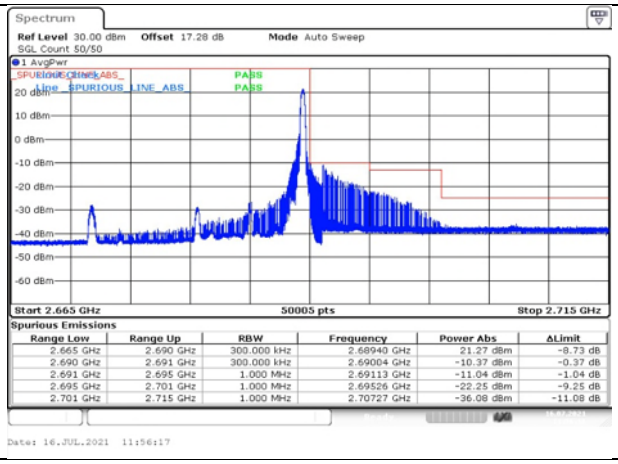

Fig.7

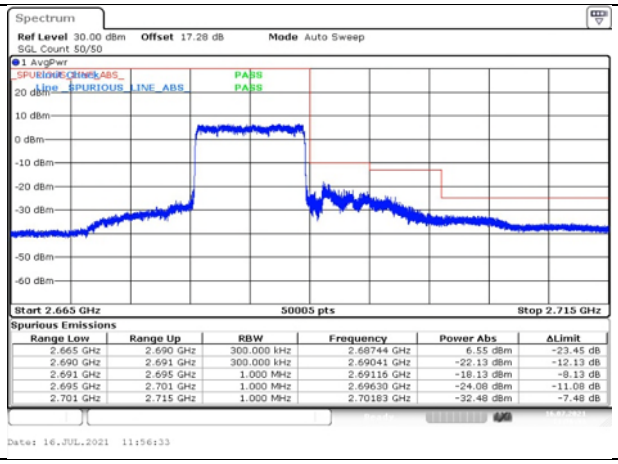

Fig.8

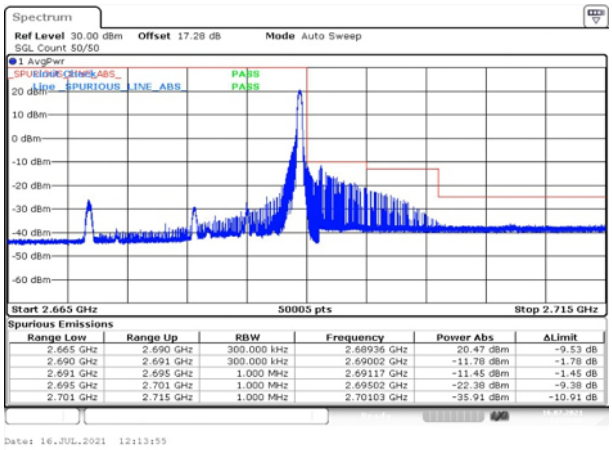

Fig.9

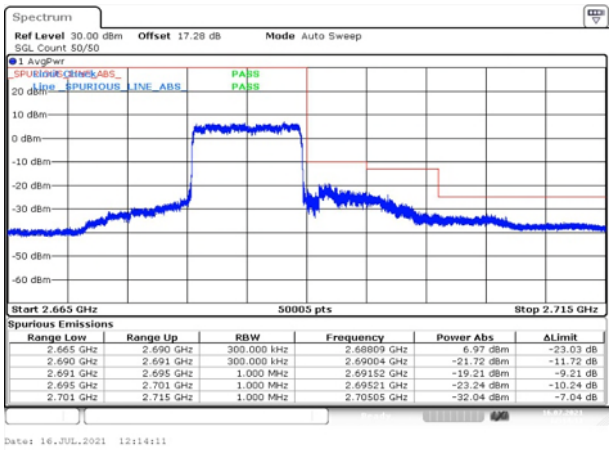

Fig.10

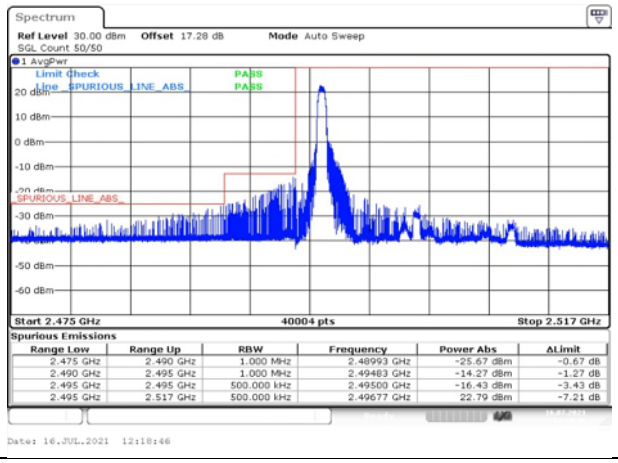

Fig.11

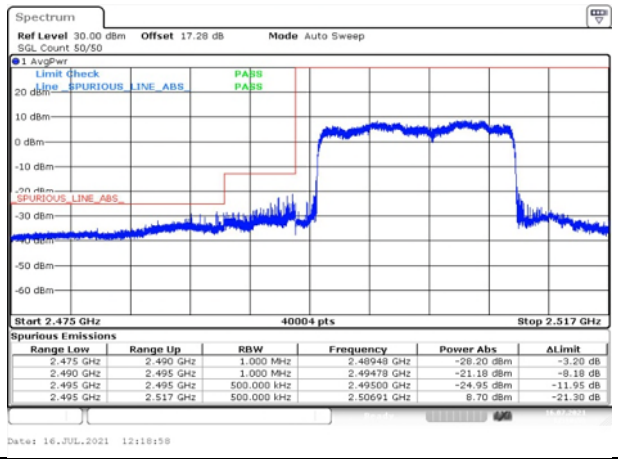

Fig.12

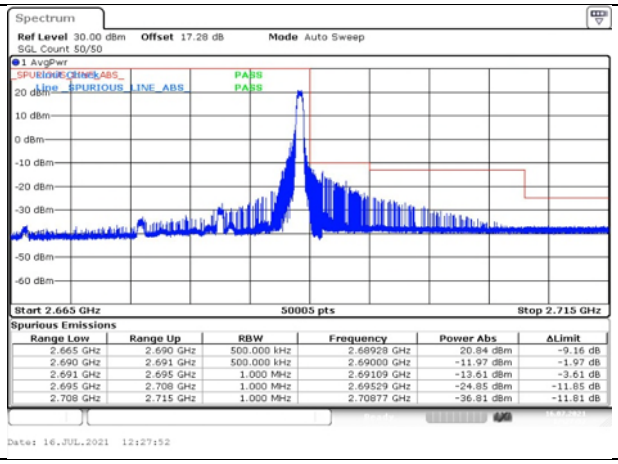

Fig.13

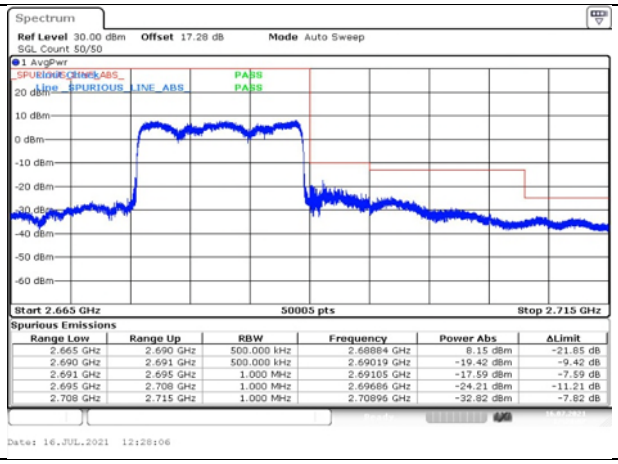

Fig.14

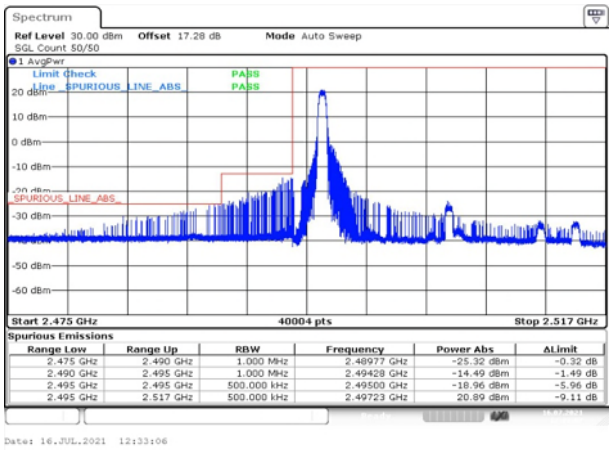

Fig.15

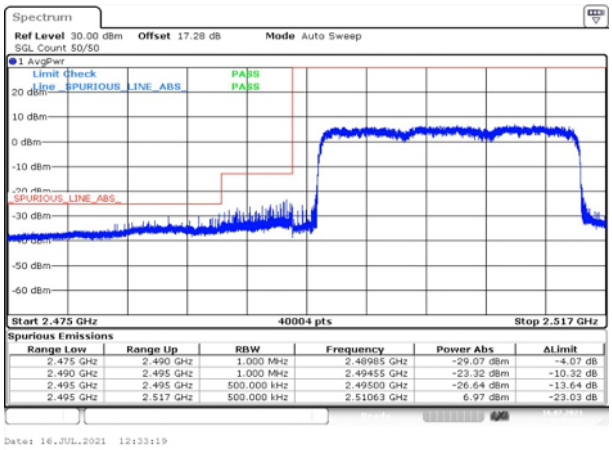

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band41 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	---	---	0.001	-0.004	0.000	0.000
+10	NV	---	---	0.000	-0.004	-0.004	-0.003
+20	NV	---	---	0.003	-0.008	-0.010	0.004
+30	NV	---	---	-0.008	-0.003	-0.004	0.002
+40	NV	---	---	-0.010	-0.002	0.001	-0.008
+55	NV	---	---	-0.012	-0.009	-0.004	0.005
+20	LV	---	---	-0.004	-0.002	-0.007	0.000
+20	HV	---	---	-0.002	-0.005	0.004	0.005

Temperature(°C)	Voltage	Test Result (ppm) Band41 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	---	---	0.004	0.005	-0.005	0.000
+10	NV	---	---	0.026	-0.002	-0.003	0.003
+20	NV	---	---	0.004	-0.004	0.007	-0.007
+30	NV	---	---	-0.010	0.000	0.002	0.001
+40	NV	---	---	0.022	-0.012	0.003	-0.010
+55	NV	---	---	0.010	0.007	-0.009	0.001
+20	LV	---	---	-0.002	0.000	0.000	-0.006
+20	HV	---	---	-0.005	-0.007	0.004	0.001

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2498.5	39675	5	1	0	25.48	23.88	0.244
				1	12	25.44	23.84	0.242
				1	24	25.40	23.80	0.240
				12	0	24.46	22.86	0.193
				12	7	24.57	22.97	0.198
				12	13	24.58	22.98	0.199
				25	0	24.57	22.97	0.198
	2593	40620		1	0	25.38	23.78	0.239
				1	12	25.38	23.78	0.239
				1	24	25.36	23.76	0.238
				12	0	24.51	22.91	0.195
				12	7	24.52	22.92	0.196
				12	13	24.51	22.91	0.195
				25	0	24.49	22.89	0.195
	2687.5	41565		1	0	24.71	23.11	0.205
				1	12	24.76	23.16	0.207
				1	24	24.76	23.16	0.207
				12	0	23.90	22.30	0.170
				12	7	23.87	22.27	0.169
				12	13	23.90	22.30	0.170
				25	0	23.94	22.34	0.171
16QAM	2498.5	39675		1	0	24.85	23.25	0.211
				1	12	24.85	23.25	0.211
				1	24	24.79	23.19	0.208
				12	0	23.59	21.99	0.158
				12	7	23.69	22.09	0.162
				12	13	23.66	22.06	0.161
				25	0	23.68	22.08	0.161
	2593	40620		1	0	24.75	23.15	0.207
				1	12	24.81	23.21	0.209
				1	24	24.82	23.22	0.210
				12	0	23.51	21.91	0.155
				12	7	23.50	21.90	0.155
				12	13	23.47	21.87	0.154
				25	0	23.56	21.96	0.157
	2687.5	41565		1	0	24.20	22.60	0.182
				1	12	24.25	22.65	0.184
				1	24	24.29	22.69	0.186
				12	0	22.95	21.35	0.136
				12	7	22.93	21.33	0.136
				12	13	22.96	21.36	0.137
				25	0	23.07	21.47	0.140

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2498.5	39675	5	1	0	23.64	22.04	0.160
				1	12	23.63	22.03	0.160
				1	24	23.69	22.09	0.162
				12	0	23.64	22.04	0.160
				12	7	23.69	22.09	0.162
				12	13	23.63	22.03	0.160
				25	0	23.62	22.02	0.159
	2593	40620		1	0	23.64	22.04	0.160
				1	12	23.58	21.98	0.158
				1	24	23.57	21.97	0.157
				12	0	23.58	21.98	0.158
				12	7	23.56	21.96	0.157
				12	13	23.58	21.98	0.158
				25	0	23.62	22.02	0.159
	2687.5	41565		1	0	23.05	21.45	0.140
				1	12	23.09	21.49	0.141
				1	24	23.01	21.41	0.138
				12	0	23.07	21.47	0.140
				12	7	23.07	21.47	0.140
				12	13	23.08	21.48	0.141
				25	0	23.03	21.43	0.139

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2501	39700	10	1	0	25.44	23.84	0.242
				1	25	25.41	23.81	0.240
				1	49	25.47	23.87	0.244
				25	0	24.40	22.80	0.191
				25	12	24.58	22.98	0.199
				25	25	24.51	22.91	0.195
				50	0	24.47	22.87	0.194
	2593	40620		1	0	25.51	23.91	0.246
				1	25	25.53	23.93	0.247
				1	49	25.48	23.88	0.244
				25	0	24.56	22.96	0.198
				25	12	24.50	22.90	0.195
				25	25	24.49	22.89	0.195
				50	0	24.57	22.97	0.198
	2685	41540		1	0	24.96	23.36	0.217
				1	25	24.99	23.39	0.218
				1	49	24.98	23.38	0.218
				25	0	23.99	22.39	0.173
				25	12	24.04	22.44	0.175
				25	25	24.04	22.44	0.175
				50	0	24.05	22.45	0.176
16QAM	2501	39700		1	0	24.52	22.92	0.196
				1	25	24.48	22.88	0.194
				1	49	24.52	22.92	0.196
				25	0	23.46	21.86	0.153
				25	12	23.63	22.03	0.160
				25	25	23.59	21.99	0.158
				50	0	23.55	21.95	0.157
	2593	40620		1	0	24.14	22.54	0.179
				1	25	24.51	22.91	0.195
				1	49	23.99	22.39	0.173
				25	0	23.33	21.73	0.149
				25	12	23.64	22.04	0.160
				25	25	23.32	21.72	0.149
				50	0	23.10	21.50	0.141
	2685	41540		1	0	23.98	22.38	0.173
				1	25	24.06	22.46	0.176
				1	49	24.04	22.44	0.175
				25	0	23.12	21.52	0.142
				25	12	23.08	21.48	0.141
				25	25	23.12	21.52	0.142
				50	0	23.18	21.58	0.144

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2501	39700	10	1	0	23.58	21.98	0.158
				1	25	23.56	21.96	0.157
				1	49	23.56	21.96	0.157
				25	0	23.50	21.90	0.155
				25	12	23.59	21.99	0.158
				25	25	23.56	21.96	0.157
				50	0	23.57	21.97	0.157
	2593	40620		1	0	23.37	21.77	0.150
				1	25	23.56	21.96	0.157
				1	49	23.29	21.69	0.148
				25	0	23.27	21.67	0.147
				25	12	23.05	21.45	0.140
				25	25	23.26	21.66	0.147
				50	0	23.28	21.68	0.147
	2685	41540		1	0	23.17	21.57	0.144
				1	25	23.20	21.60	0.145
				1	49	23.16	21.56	0.143
				25	0	23.18	21.58	0.144
				25	12	23.16	21.56	0.143
				25	25	23.18	21.58	0.144
				50	0	23.19	21.59	0.144

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2503.5	39725	15	1	0	25.50	23.90	0.245
				1	37	25.49	23.89	0.245
				1	74	25.48	23.88	0.244
				36	0	24.63	23.03	0.201
				36	29	24.72	23.12	0.205
				36	30	24.63	23.03	0.201
				75	0	24.62	23.02	0.200
	2593	40620		1	0	25.14	23.54	0.226
				1	37	25.10	23.50	0.224
				1	74	25.07	23.47	0.222
				36	0	24.23	22.63	0.183
				36	29	24.27	22.67	0.185
				36	30	24.20	22.60	0.182
				75	0	24.29	22.69	0.186
	2682.5	41515		1	0	24.96	23.36	0.217
				1	37	25.06	23.46	0.222
				1	74	25.07	23.47	0.222
				36	0	24.04	22.44	0.175
				36	29	24.12	22.52	0.179
				36	30	24.11	22.51	0.178
				75	0	24.13	22.53	0.179
16QAM	2503.5	39725		1	0	24.83	23.23	0.210
				1	37	24.76	23.16	0.207
				1	74	24.69	23.09	0.204
				36	0	23.59	21.99	0.158
				36	29	23.65	22.05	0.160
				36	30	23.69	22.09	0.162
				75	0	23.66	22.06	0.161
	2593	40620		1	0	24.16	22.56	0.180
				1	37	24.11	22.51	0.178
				1	74	24.13	22.53	0.179
				36	0	23.21	21.61	0.145
				36	29	23.25	21.65	0.146
				36	30	23.32	21.72	0.149
				75	0	23.29	21.69	0.148
	2682.5	41515		1	0	23.97	22.37	0.173
				1	37	24.03	22.43	0.175
				1	74	23.66	22.06	0.161
				36	0	23.10	21.50	0.141
				36	29	23.18	21.58	0.144
				36	30	23.14	21.54	0.143
				75	0	23.21	21.61	0.145

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2503.5	39725	15	1	0	23.73	22.13	0.163
				1	37	23.73	22.13	0.163
				1	74	23.73	22.13	0.163
				36	0	23.68	22.08	0.161
				36	29	23.67	22.07	0.161
				36	30	23.67	22.07	0.161
				75	0	23.67	22.07	0.161
	2593	40620		1	0	23.30	21.70	0.148
				1	37	23.35	21.75	0.150
				1	74	23.27	21.67	0.147
				36	0	23.33	21.73	0.149
				36	29	23.24	21.64	0.146
				36	30	23.31	21.71	0.148
				75	0	23.29	21.69	0.148
	2682.5	41515		1	0	23.21	21.61	0.145
				1	37	23.22	21.62	0.145
				1	74	23.21	21.61	0.145
				36	0	23.21	21.61	0.145
				36	29	23.20	21.60	0.145
				36	30	23.20	21.60	0.145
				75	0	23.22	21.62	0.145

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2506	39750	20	1	0	25.40	23.80	0.240
				1	49	25.36	23.76	0.238
				1	99	25.41	23.81	0.240
				50	0	24.55	22.95	0.197
				50	24	24.63	23.03	0.201
				50	50	24.65	23.05	0.202
				100	0	24.54	22.94	0.197
	2593	40620		1	0	25.08	23.48	0.223
				1	49	24.99	23.39	0.218
				1	99	24.86	23.26	0.212
				50	0	23.69	22.09	0.162
				50	24	24.00	22.40	0.174
				50	50	23.73	22.13	0.163
				100	0	23.76	22.16	0.164
	2680	41490		1	0	24.29	22.69	0.186
				1	49	24.42	22.82	0.191
				1	99	24.42	22.82	0.191
				50	0	23.46	21.86	0.153
				50	24	23.65	22.05	0.160
				50	50	23.65	22.05	0.160
				100	0	23.60	22.00	0.158
16QAM	2506	39750		1	0	24.63	23.03	0.201
				1	49	24.62	23.02	0.200
				1	99	24.54	22.94	0.197
				50	0	23.64	22.04	0.160
				50	24	23.64	22.04	0.160
				50	50	23.73	22.13	0.163
				100	0	23.62	22.02	0.159
	2593	40620		1	0	23.69	22.09	0.162
				1	49	23.68	22.08	0.161
				1	99	23.64	22.04	0.160
				50	0	22.80	21.20	0.132
				50	24	22.76	21.16	0.131
				50	50	22.81	21.21	0.132
				100	0	22.98	21.38	0.137
	2680	41490		1	0	22.91	21.31	0.135
				1	49	23.08	21.48	0.141
				1	99	23.09	21.49	0.141
				50	0	22.60	21.00	0.126
				50	24	22.80	21.20	0.132
				50	50	22.80	21.20	0.132
				100	0	22.75	21.15	0.130

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2506	39750	20	1	0	23.70	22.10	0.162
				1	49	23.69	22.09	0.162
				1	99	23.67	22.07	0.161
				50	0	23.62	22.02	0.159
				50	24	23.65	22.05	0.160
				50	50	23.61	22.01	0.159
				100	0	23.62	22.02	0.159
	2593	40620		1	0	23.18	21.58	0.144
				1	49	22.87	21.27	0.134
				1	99	23.19	21.59	0.144
				50	0	22.97	21.37	0.137
				50	24	22.75	21.15	0.130
				50	50	22.98	21.38	0.137
				100	0	23.15	21.55	0.143
	2680	41490		1	0	22.74	21.14	0.130
				1	49	22.69	21.09	0.129
				1	99	22.67	21.07	0.128
				50	0	22.67	21.07	0.128
				50	24	22.70	21.10	0.129
				50	50	22.70	21.10	0.129
				100	0	22.69	21.09	0.129