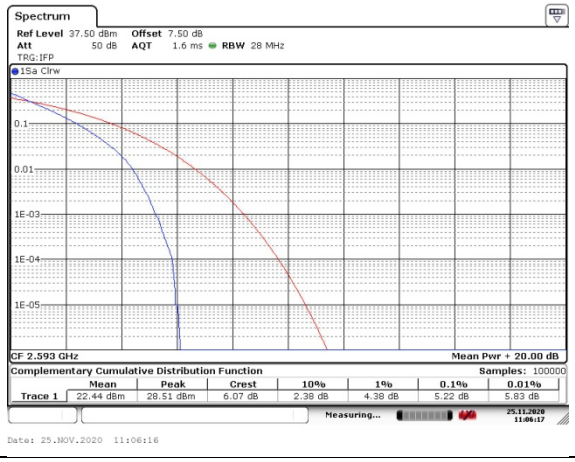

Fig.7

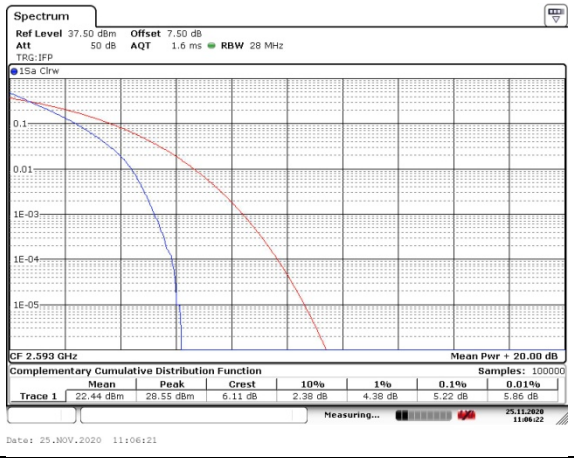

Fig.8

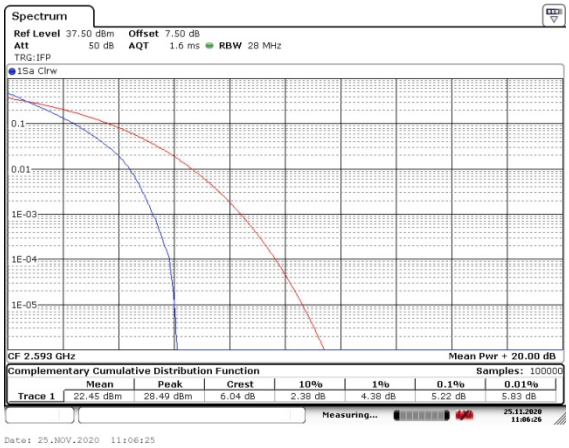

Fig.9

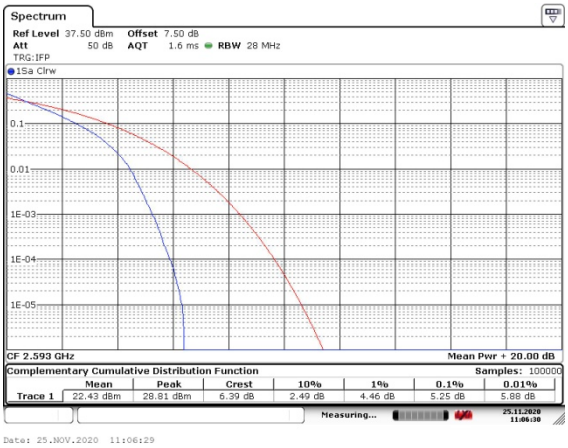

Fig.10

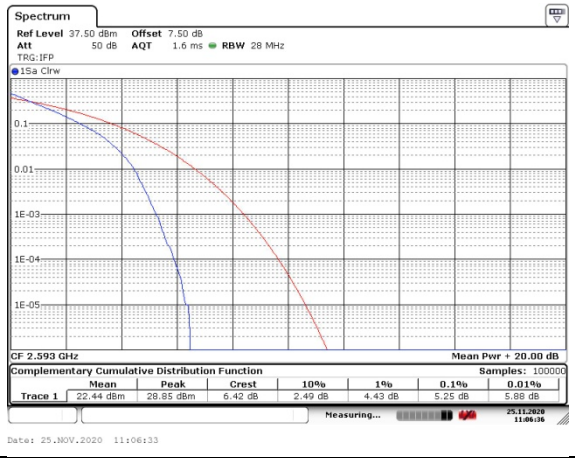

Fig.11

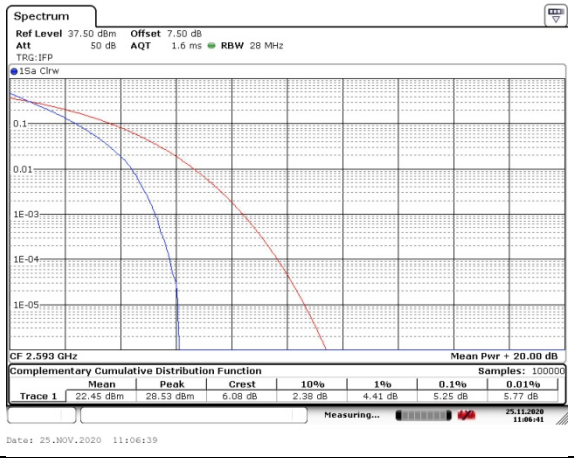

Fig.12

Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
41	2506	39750	20	1	99	Fig.1
	2593	40620		1	99	Fig.2
	2680	41490		1	99	Fig.3

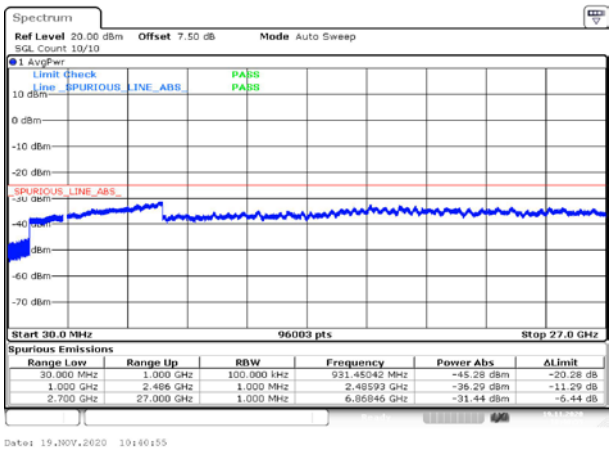

Fig.1

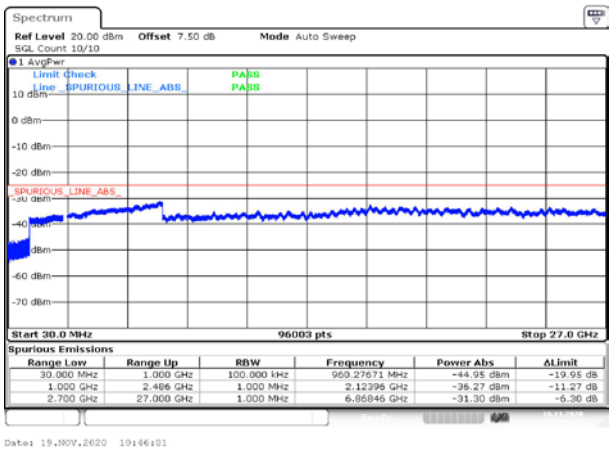

Fig.2

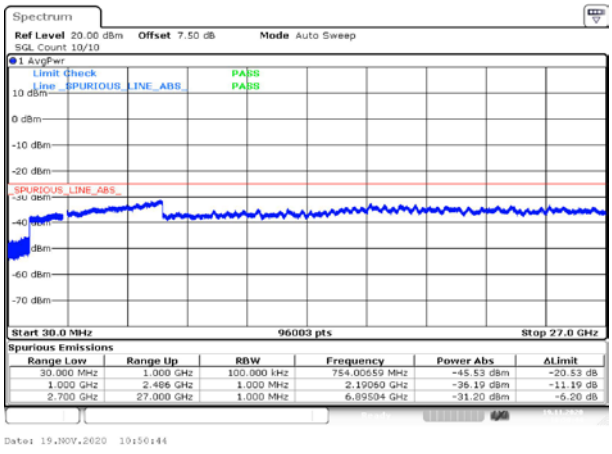

Fig.3

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
	2507.5	39725	15	1	0	Fig.9
				75	0	Fig.10
	2682.5	41515		1	74	Fig.11
				75	0	Fig.12
	2506	39750	20	1	0	Fig.13
				100	0	Fig.14
	2680	41490		1	99	Fig.15
				100	0	Fig.16

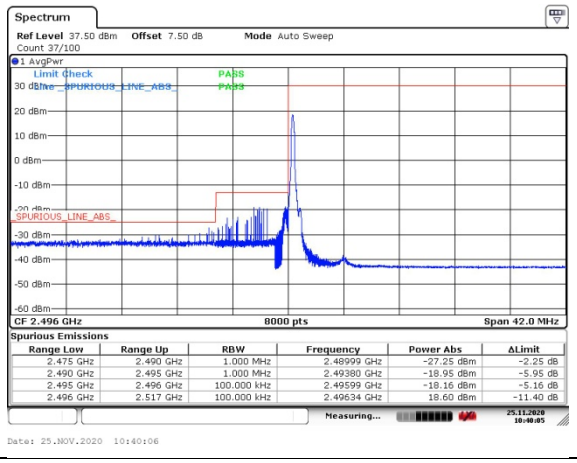

Fig.1

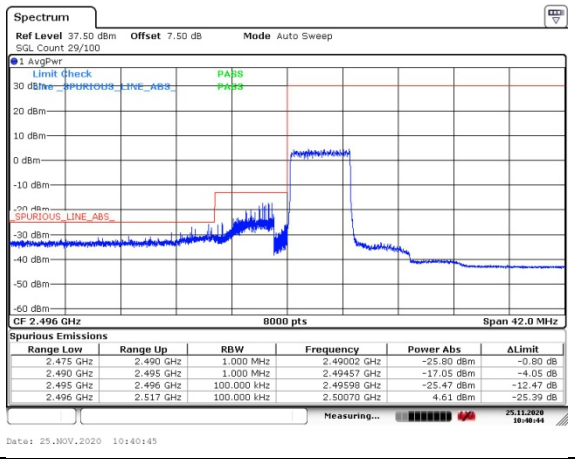

Fig.2

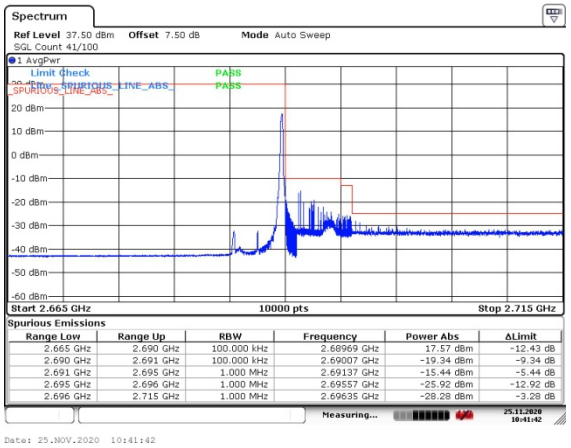

Fig.3

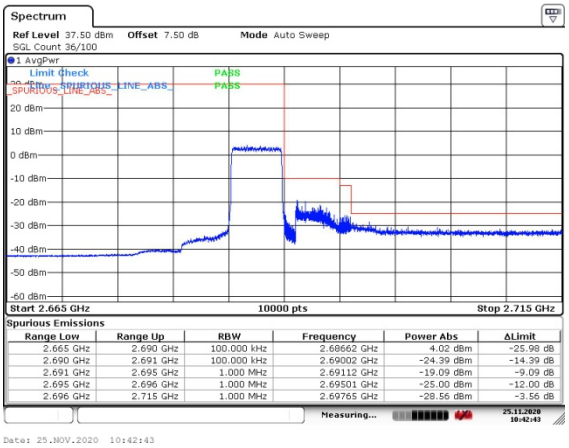

Fig.4

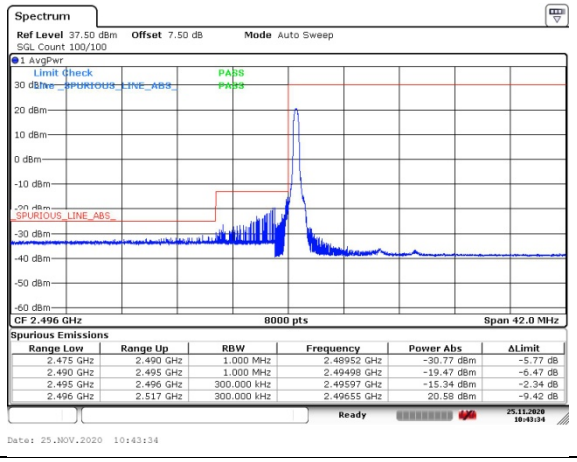

Fig.5

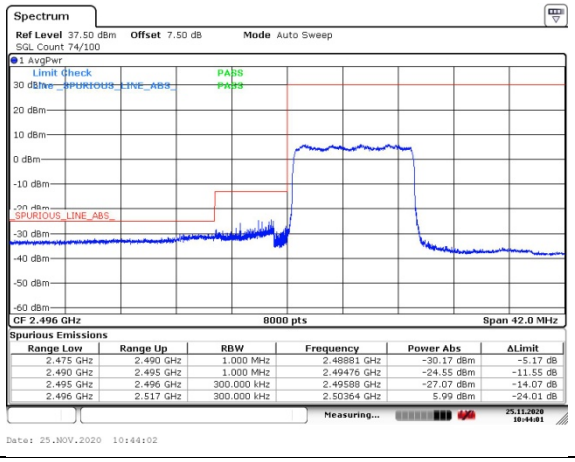

Fig.6

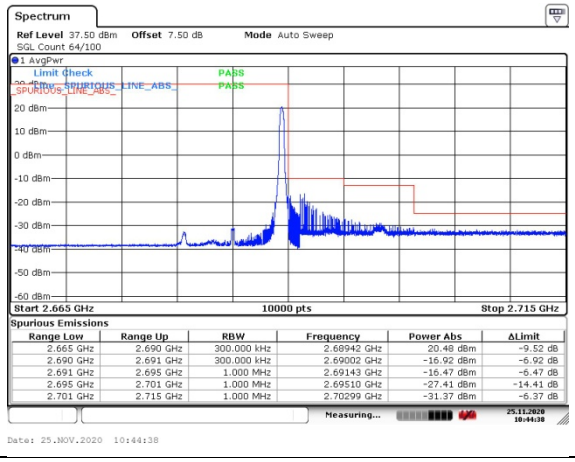

Fig.7

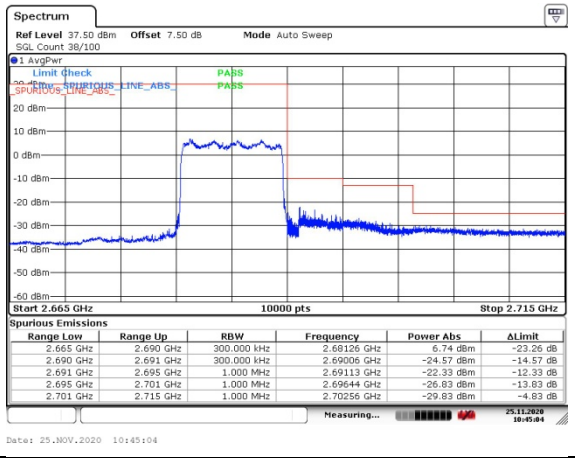

Fig.8

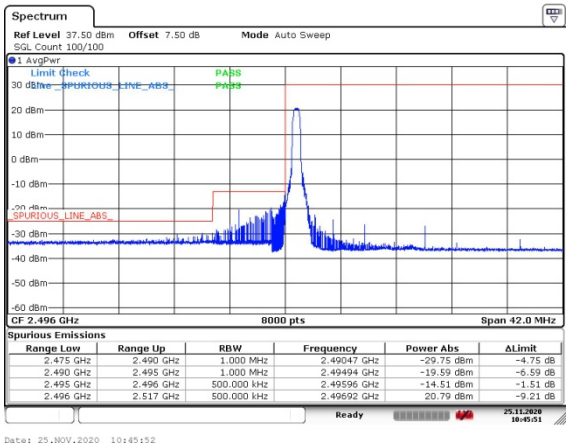

Fig.9

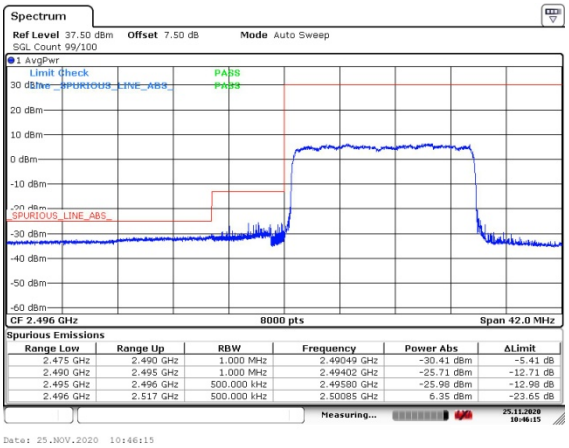

Fig.10

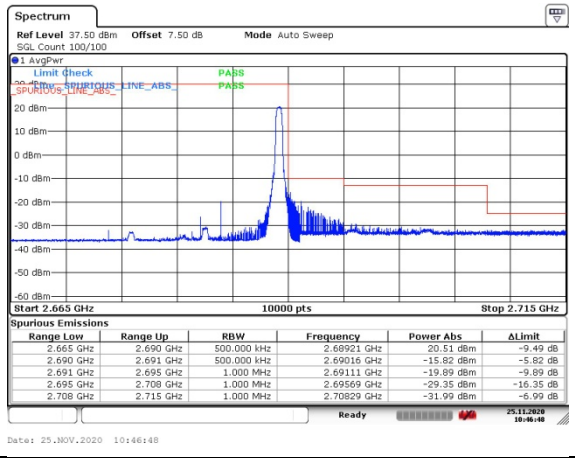

Fig.11

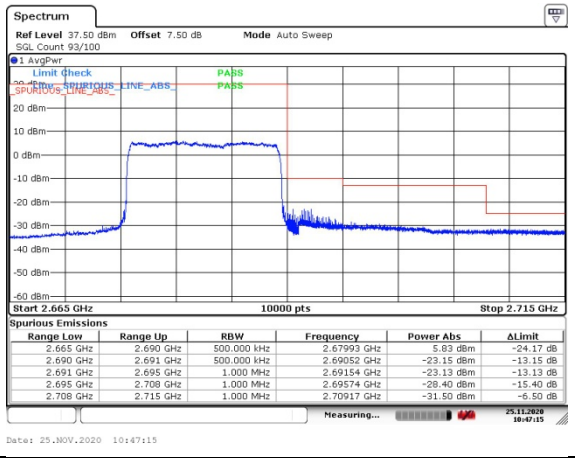

Fig.12

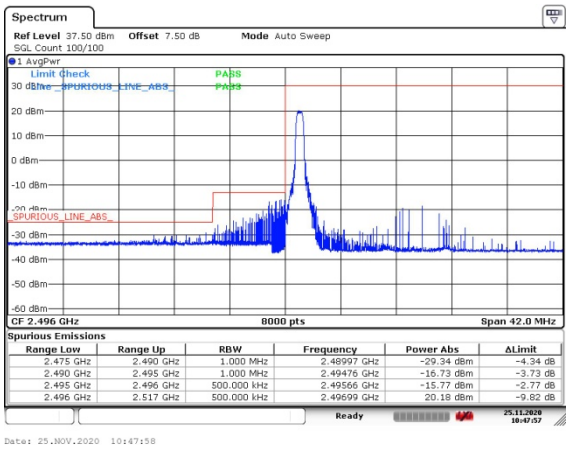

Fig.13

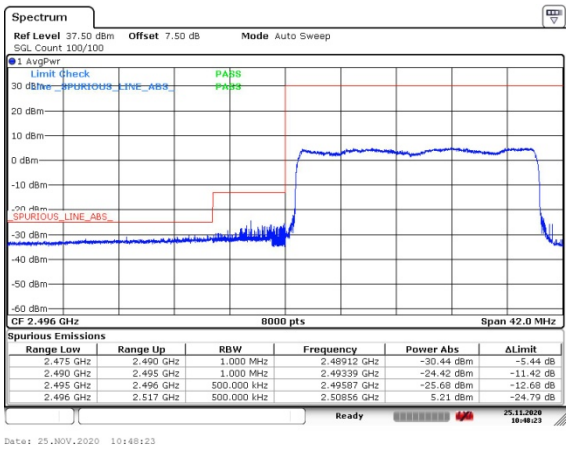

Fig.14

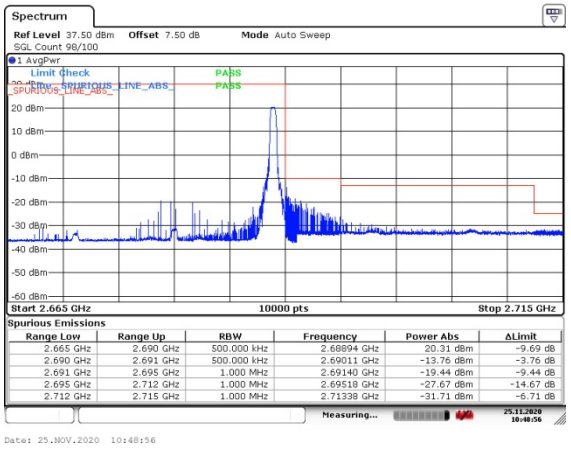

Fig.15

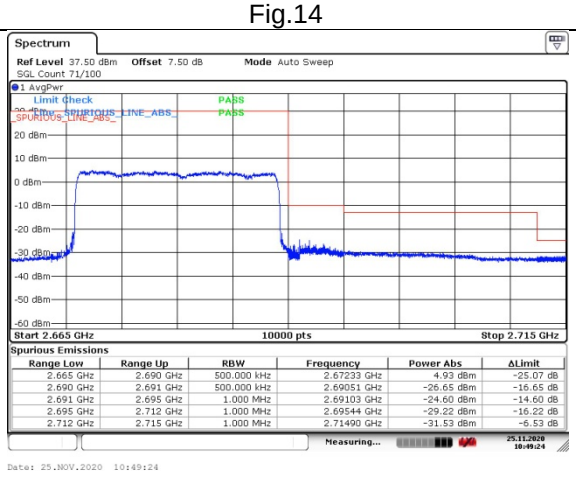

Fig.16

Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band41 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	0.001	-0.002	-0.003	0.000
0	NV	---	---	0.001	0.000	-0.003	0.001
+10	NV	---	---	0.002	-0.003	-0.001	0.002
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	0.001	0.000	0.000	0.000
+40	NV	---	---	0.000	-0.001	-0.004	0.000
+50	NV	---	---	0.001	-0.001	-0.003	0.001
+55	NV	---	---	-0.001	0.001	-0.002	0.001
+20	LV	---	---	0.001	-0.002	-0.002	0.000
+20	HV	---	---	0.001	-0.002	-0.002	0.000

Temperature(°C)	Voltage	Test Result (ppm) Band41 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	0.001	0.001	0.001	0.000
0	NV	---	---	0.001	0.001	0.002	0.002
+10	NV	---	---	-0.001	0.000	0.003	0.001
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	-0.001	0.002	0.002	0.002
+40	NV	---	---	0.002	0.001	0.000	0.001
+50	NV	---	---	0.000	0.000	0.001	0.000
+55	NV	---	---	0.001	0.001	-0.002	0.001
+20	LV	---	---	0.000	0.001	0.002	0.000
+20	HV	---	---	0.000	0.001	0.002	0.000

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	23.59	22.29	0.169
				1	12	23.50	22.20	0.166
				1	24	23.48	22.18	0.165
				12	0	22.58	21.28	0.134
				12	7	22.56	21.26	0.134
				12	13	22.56	21.26	0.134
				25	0	22.49	21.19	0.132
	2593	40620		1	0	23.21	21.91	0.155
				1	12	23.29	21.99	0.158
				1	24	23.29	21.99	0.158
				12	0	22.30	21.00	0.126
				12	7	22.30	21.00	0.126
				12	13	22.30	21.00	0.126
				25	0	22.31	21.01	0.126
	2687.5	41565		1	0	23.41	22.11	0.163
				1	12	23.28	21.98	0.158
				1	24	23.35	22.05	0.160
				12	0	22.41	21.11	0.129
				12	7	22.48	21.18	0.131
				12	13	22.41	21.11	0.129
				25	0	22.51	21.21	0.132
16QAM	2498.5	39675		1	0	23.08	21.78	0.151
				1	12	22.97	21.67	0.147
				1	24	22.99	21.69	0.148
				12	0	21.61	20.31	0.107
				12	7	21.57	20.27	0.106
				12	13	21.50	20.20	0.105
				25	0	21.60	20.30	0.107
	2593	40620		1	0	22.43	21.13	0.130
				1	12	22.52	21.22	0.132
				1	24	22.52	21.22	0.132
				12	0	21.30	20.00	0.100
				12	7	21.29	19.99	0.100
				12	13	21.29	19.99	0.100
				25	0	21.32	20.02	0.100
	2687.5	41565		1	0	22.71	21.41	0.138
				1	12	22.76	21.46	0.140
				1	24	22.76	21.46	0.140
				12	0	21.50	20.20	0.105
				12	7	21.47	20.17	0.104
				12	13	21.47	20.17	0.104
				25	0	21.46	20.16	0.104

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	21.60	20.30	0.107
				1	12	21.59	20.29	0.107
				1	24	21.57	20.27	0.106
				12	0	21.57	20.27	0.106
				12	7	21.56	20.26	0.106
				12	13	21.61	20.31	0.107
				25	0	21.57	20.27	0.106
	2593	40620		1	0	21.27	19.97	0.099
				1	12	21.33	20.03	0.101
				1	24	21.26	19.96	0.099
				12	0	21.32	20.02	0.100
				12	7	21.25	19.95	0.099
				12	13	21.25	19.95	0.099
				25	0	21.33	20.03	0.101
	2687.5	41565		1	0	21.43	20.13	0.103
				1	12	21.47	20.17	0.104
				1	24	21.49	20.19	0.104
				12	0	21.46	20.16	0.104
				12	7	21.49	20.19	0.104
				12	13	21.51	20.21	0.105
				25	0	21.46	20.16	0.104

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	23.59	22.29	0.169
				1	25	23.45	22.15	0.164
				1	49	23.47	22.17	0.165
				25	0	22.76	21.46	0.140
				25	12	22.65	21.35	0.136
				25	25	22.64	21.34	0.136
				50	0	22.72	21.42	0.139
	2593	40620		1	0	23.39	22.09	0.162
				1	25	23.34	22.04	0.160
				1	49	23.30	22.00	0.158
				25	0	22.38	21.08	0.128
				25	12	22.41	21.11	0.129
				25	25	22.43	21.13	0.130
				50	0	22.45	21.15	0.130
	2685	41540		1	0	23.54	22.24	0.167
				1	25	23.55	22.25	0.168
				1	49	23.52	22.22	0.167
				25	0	22.52	21.22	0.132
				25	12	22.57	21.27	0.134
				25	25	22.58	21.28	0.134
				50	0	22.45	21.15	0.130
16QAM	2501	39700		1	0	23.15	21.85	0.153
				1	25	23.02	21.72	0.149
				1	49	23.45	22.15	0.164
				25	0	21.82	20.52	0.113
				25	12	21.77	20.47	0.111
				25	25	21.76	20.46	0.111
				50	0	21.77	20.47	0.111
	2593	40620		1	0	22.36	21.06	0.128
				1	25	22.40	21.10	0.129
				1	49	22.33	21.03	0.127
				25	0	21.33	20.03	0.101
				25	12	21.38	20.08	0.102
				25	25	21.42	20.12	0.103
				50	0	21.29	19.99	0.100
	2685	41540		1	0	22.52	21.22	0.132
				1	25	22.64	21.34	0.136
				1	49	22.43	21.13	0.130
				25	0	21.53	20.23	0.105
				25	12	21.44	20.14	0.103
				25	25	21.57	20.27	0.106
				50	0	21.54	20.24	0.106

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	21.73	20.43	0.110
				1	25	21.72	20.42	0.110
				1	49	21.72	20.42	0.110
				25	0	21.72	20.42	0.110
				25	12	21.72	20.42	0.110
				25	25	21.76	20.46	0.111
				50	0	21.72	20.42	0.110
	2593	40620		1	0	21.36	20.06	0.101
				1	25	21.36	20.06	0.101
				1	49	21.34	20.04	0.101
				25	0	21.35	20.05	0.101
				25	12	21.34	20.04	0.101
				25	25	21.31	20.01	0.100
				50	0	21.35	20.05	0.101
	2685	41540		1	0	21.51	20.21	0.105
				1	25	21.48	20.18	0.104
				1	49	21.59	20.29	0.107
				25	0	21.54	20.24	0.106
				25	12	21.52	20.22	0.105
				25	25	21.50	20.20	0.105
				50	0	21.54	20.24	0.106

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	39725	15	1	0	23.42	22.12	0.163
				1	37	23.31	22.01	0.159
				1	74	23.24	21.94	0.156
				36	0	22.54	21.24	0.133
				36	29	22.53	21.23	0.133
				36	30	22.51	21.21	0.132
				75	0	22.55	21.25	0.133
	2593	40620		1	0	23.11	21.81	0.152
				1	37	23.14	21.84	0.153
				1	74	23.10	21.80	0.151
				36	0	22.21	20.91	0.123
				36	29	22.27	20.97	0.125
				36	30	22.30	21.00	0.126
				75	0	22.15	20.85	0.122
	2682.5	41515		1	0	23.51	22.21	0.166
				1	37	23.51	22.21	0.166
				1	74	23.49	22.19	0.166
				36	0	22.42	21.12	0.129
				36	29	22.52	21.22	0.132
				36	30	22.44	21.14	0.130
				75	0	22.39	21.09	0.129
16QAM	2507.5	39725		1	0	22.87	21.57	0.144
				1	37	22.73	21.43	0.139
				1	74	22.73	21.43	0.139
				36	0	21.51	20.21	0.105
				36	29	21.54	20.24	0.106
				36	30	21.54	20.24	0.106
				75	0	21.54	20.24	0.106
	2593	40620		1	0	22.20	20.90	0.123
				1	37	22.26	20.96	0.125
				1	74	22.27	20.97	0.125
				36	0	21.19	19.89	0.097
				36	29	21.23	19.93	0.098
				36	30	21.24	19.94	0.099
				75	0	21.19	19.89	0.097
	2682.5	41515		1	0	22.41	21.11	0.129
				1	37	22.43	21.13	0.130
				1	74	22.40	21.10	0.129
				36	0	21.43	20.13	0.103
				36	29	21.48	20.18	0.104
				36	30	21.47	20.17	0.104
				75	0	21.37	20.07	0.102

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2507.5	39725	15	1	0	21.54	20.24	0.106
				1	37	21.60	20.30	0.107
				1	74	21.54	20.24	0.106
				36	0	21.53	20.23	0.105
				36	29	21.63	20.33	0.108
				36	30	21.63	20.33	0.108
				75	0	21.56	20.26	0.106
	2593	40620		1	0	21.20	19.90	0.098
				1	37	21.24	19.94	0.099
				1	74	21.19	19.89	0.097
				36	0	21.20	19.90	0.098
				36	29	21.24	19.94	0.099
				36	30	21.24	19.94	0.099
				75	0	21.30	20.00	0.100
	2682.5	41515		1	0	21.37	20.07	0.102
				1	37	21.36	20.06	0.101
				1	74	21.37	20.07	0.102
				36	0	21.44	20.14	0.103
				36	29	21.41	20.11	0.103
				36	30	21.38	20.08	0.102
				75	0	21.37	20.07	0.102

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	23.43	22.13	0.163
				1	49	23.33	22.03	0.160
				1	99	23.36	22.06	0.161
				50	0	22.56	21.26	0.134
				50	24	22.51	21.21	0.132
				50	50	22.44	21.14	0.130
				100	0	22.52	21.22	0.132
	2593	40620		1	0	23.19	21.89	0.155
				1	49	23.26	21.96	0.157
				1	99	23.28	21.98	0.158
				50	0	22.25	20.95	0.124
				50	24	22.30	21.00	0.126
				50	50	22.22	20.92	0.124
				100	0	22.24	20.94	0.124
	2680	41490		1	0	23.24	21.94	0.156
				1	49	23.39	22.09	0.162
				1	99	23.45	22.15	0.164
				50	0	22.27	20.97	0.125
				50	24	22.42	21.12	0.129
				50	50	22.43	21.13	0.130
				100	0	22.37	21.07	0.128
16QAM	2506	39750		1	0	22.76	21.46	0.140
				1	49	22.58	21.28	0.134
				1	99	22.57	21.27	0.134
				50	0	21.56	20.26	0.106
				50	24	21.42	20.12	0.103
				50	50	21.49	20.19	0.104
				100	0	21.49	20.19	0.104
	2593	40620		1	0	22.36	21.06	0.128
				1	49	22.37	21.07	0.128
				1	99	22.37	21.07	0.128
				50	0	21.18	19.88	0.097
				50	24	21.22	19.92	0.098
				50	50	21.24	19.94	0.099
				100	0	21.22	19.92	0.098
	2680	41490		1	0	21.91	20.61	0.115
				1	49	22.04	20.74	0.119
				1	99	22.04	20.74	0.119
				50	0	21.33	20.03	0.101
				50	24	21.50	20.20	0.105
				50	50	21.53	20.23	0.105
				100	0	21.44	20.14	0.103

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	21.45	20.15	0.104
				1	49	21.52	20.22	0.105
				1	99	21.56	20.26	0.106
				50	0	21.59	20.29	0.107
				50	24	21.53	20.23	0.105
				50	50	21.46	20.16	0.104
				100	0	21.57	20.27	0.106
	2593	40620		1	0	21.27	19.97	0.099
				1	49	21.26	19.96	0.099
				1	99	21.23	19.93	0.098
				50	0	21.26	19.96	0.099
				50	24	21.26	19.96	0.099
				50	50	21.26	19.96	0.099
				100	0	21.26	19.96	0.099
	2680	41490		1	0	21.36	20.06	0.101
				1	49	21.43	20.13	0.103
				1	99	21.42	20.12	0.103
				50	0	21.42	20.12	0.103
				50	24	21.39	20.09	0.102
				50	50	21.39	20.09	0.102
				100	0	21.39	20.09	0.102