Fig.67

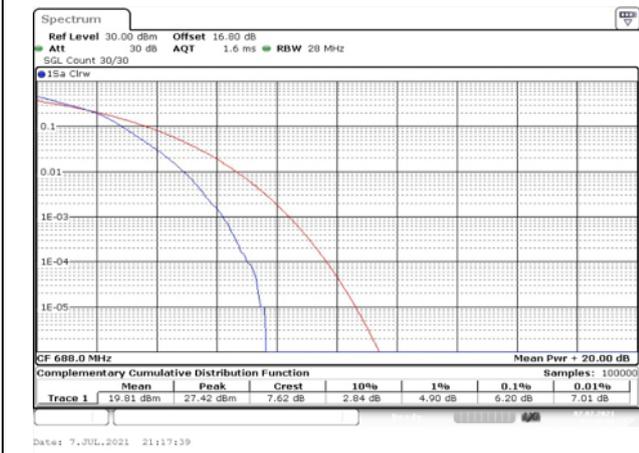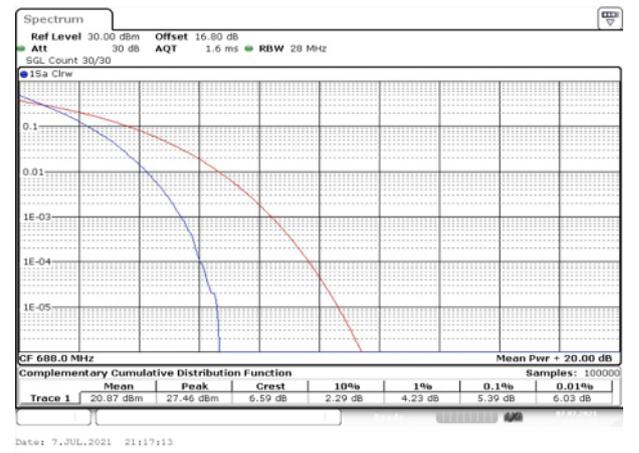Fig.68

Fig.69

Fig.70

Fig.71

Fig.72

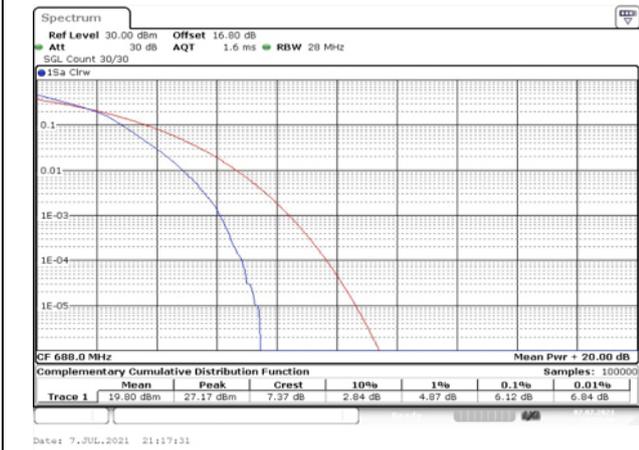## 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot QPSK
71	673	133222	20	1	0	Fig.1
	680.5	133297		1	0	Fig.2
	688	133372		1	0	Fig.3
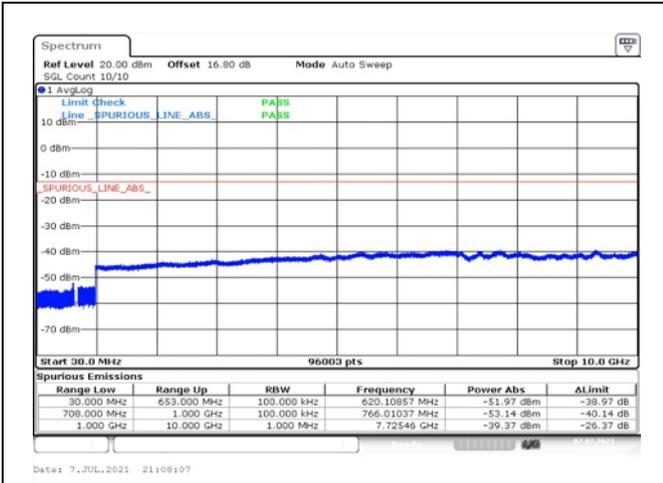
Fig.1
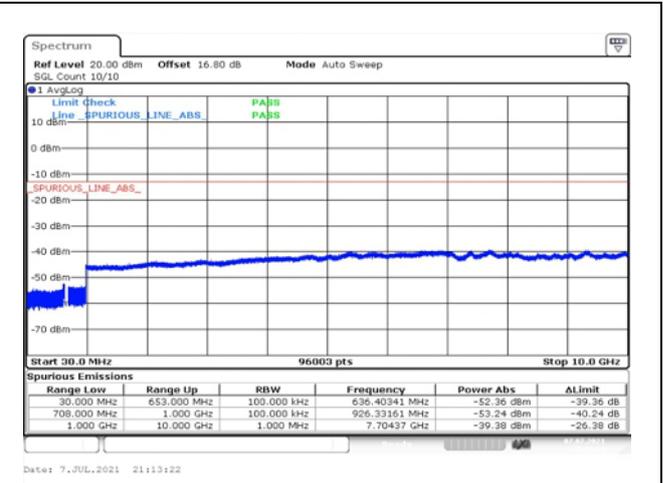
Fig.2
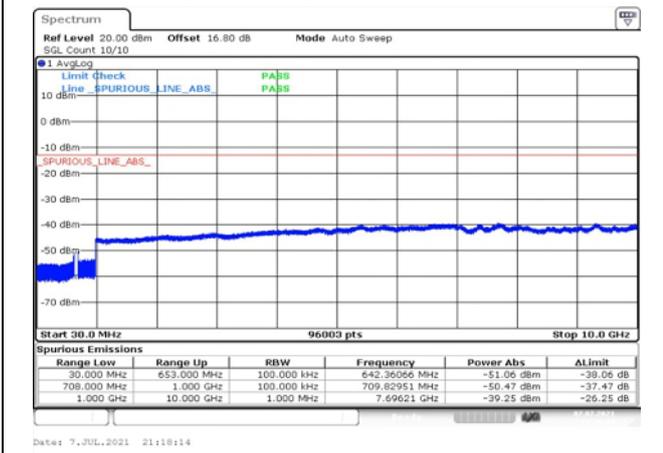
Fig.3

6   Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
71	665.5	133147	5	1	0	Fig.1
				25	0	Fig.2
	695.5	133447		1	24	Fig.3
				25	0	Fig.4
	668	133172	10	1	0	Fig.5
				50	0	Fig.6
	693	133422		1	49	Fig.7
				50	0	Fig.8
	670.5	133197	15	1	0	Fig.9
				75	0	Fig.10
	690.5	133397		1	74	Fig.11
				75	0	Fig.12
	673	133222	20	1	0	Fig.13
				100	0	Fig.14
	688	133372		1	99	Fig.15
				100	0	Fig.16
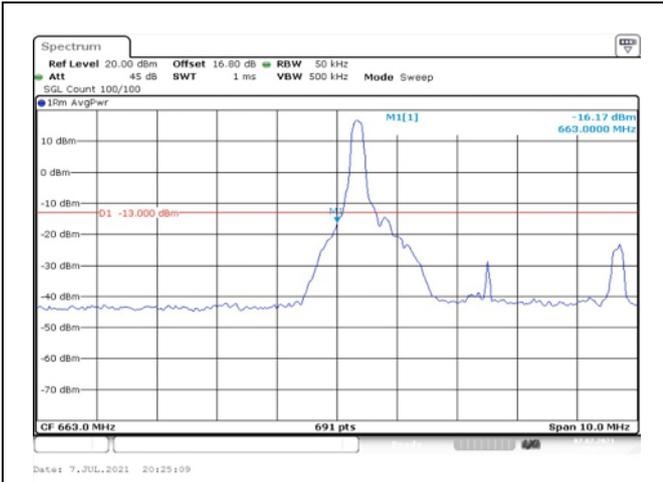
Fig.1
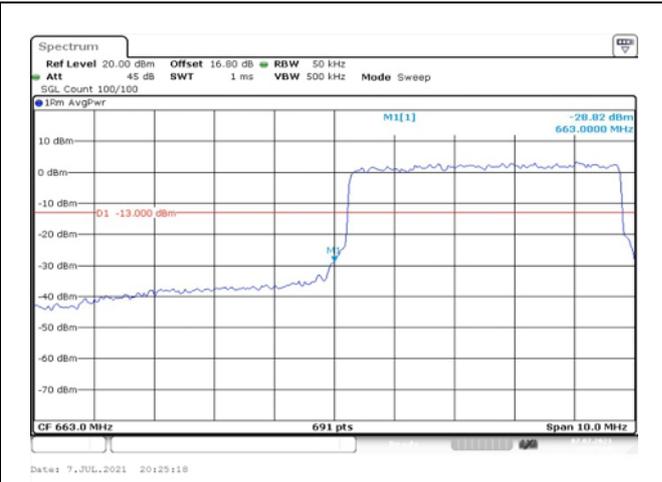
Fig.2
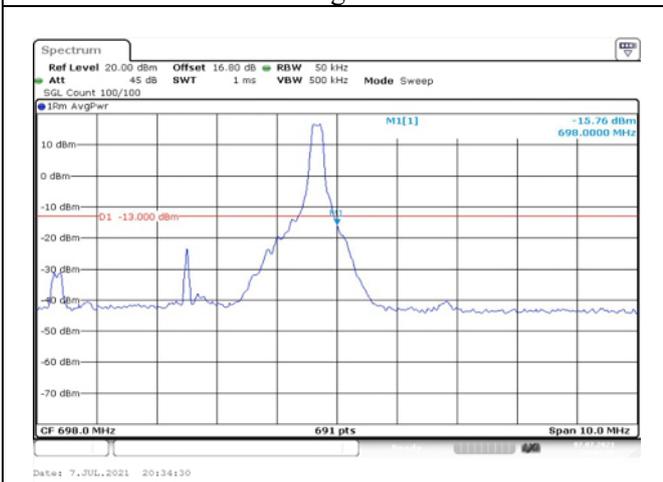
Fig.3
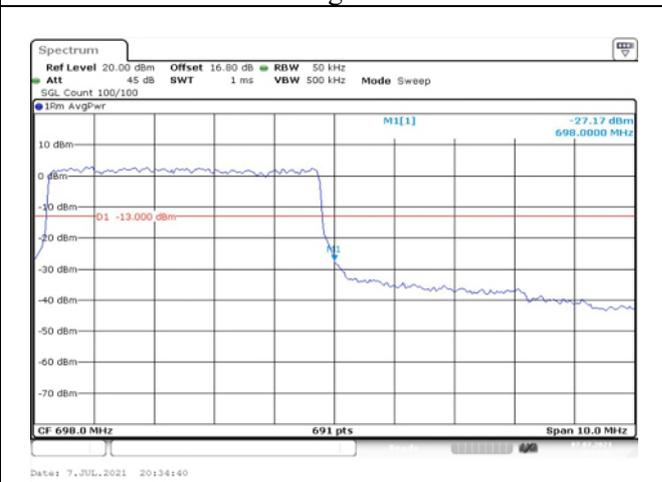
Fig.4
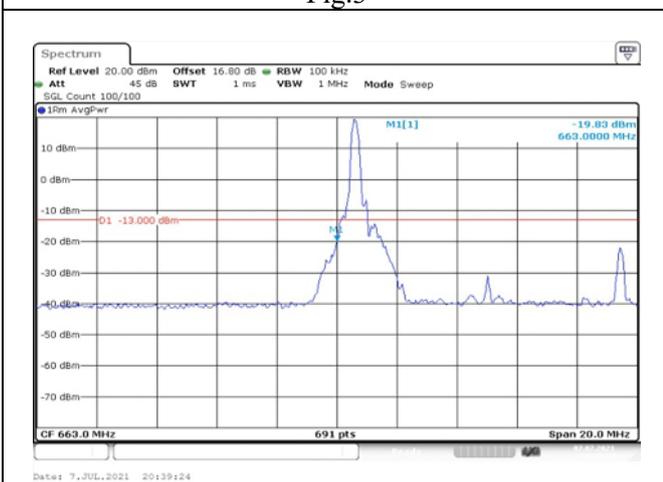
Fig.5
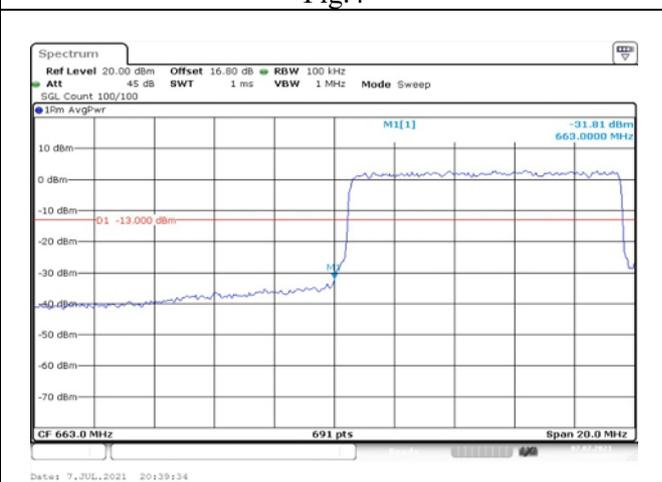
Fig.6
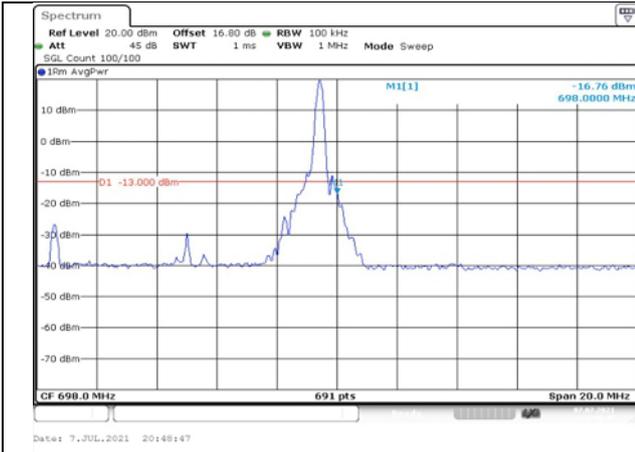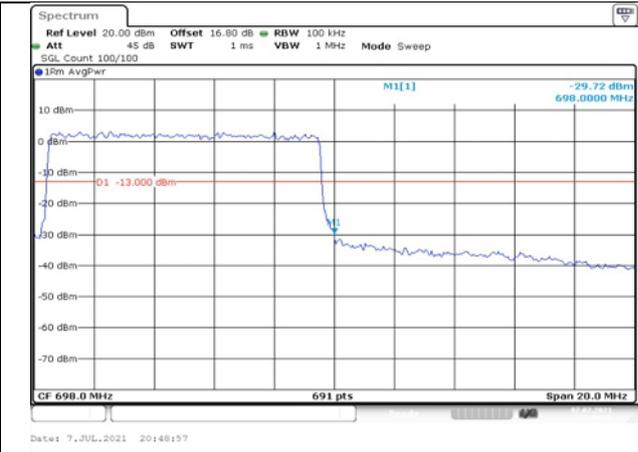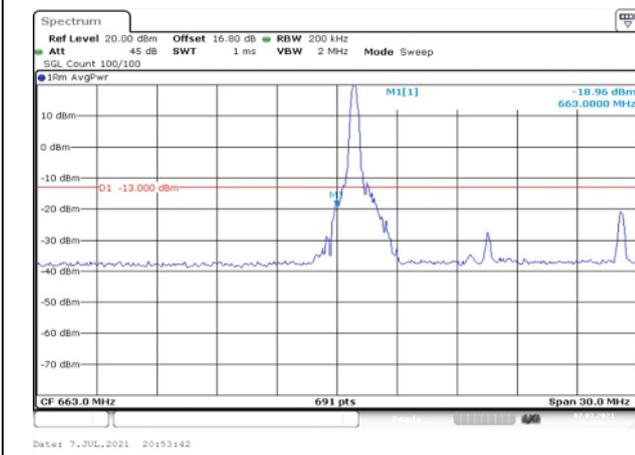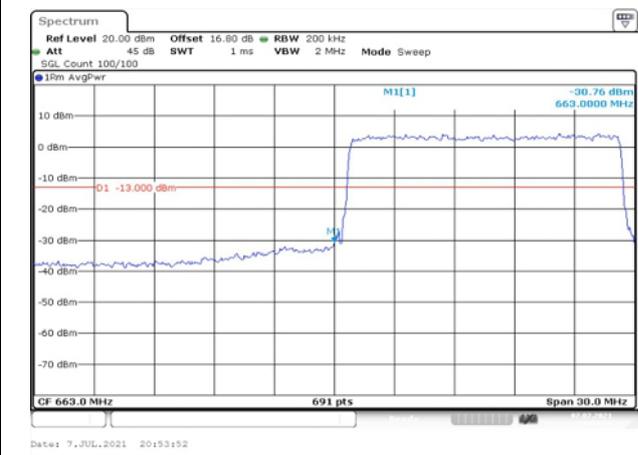
Fig.7	Fig.8
Fig.9	Fig.10
Fig.11	Fig.12
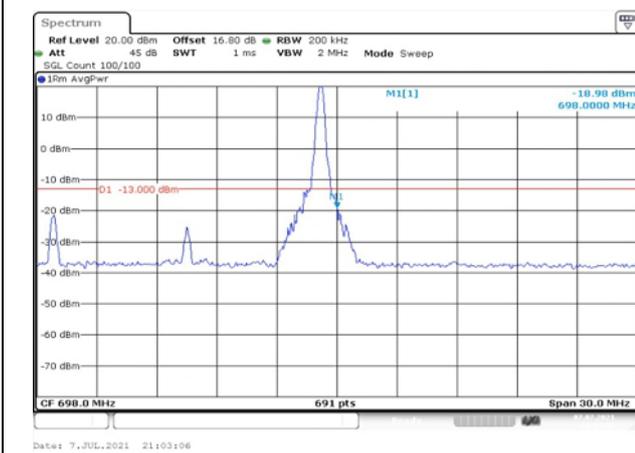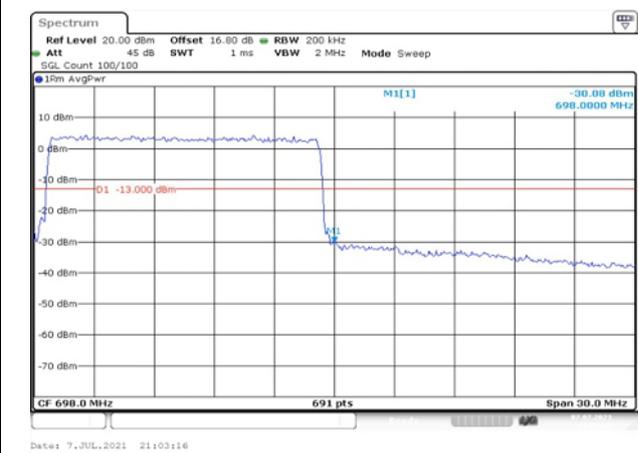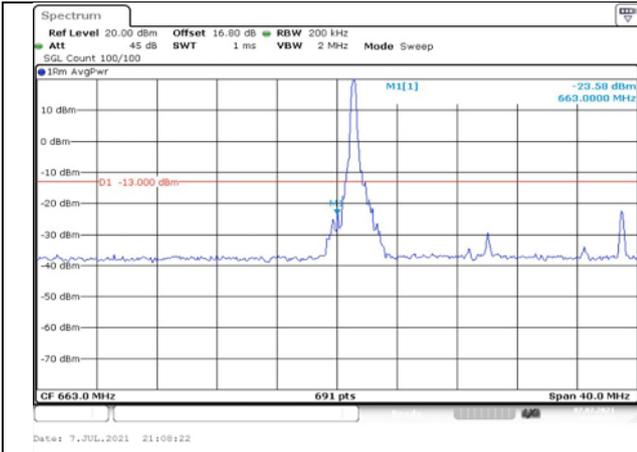
Fig.13
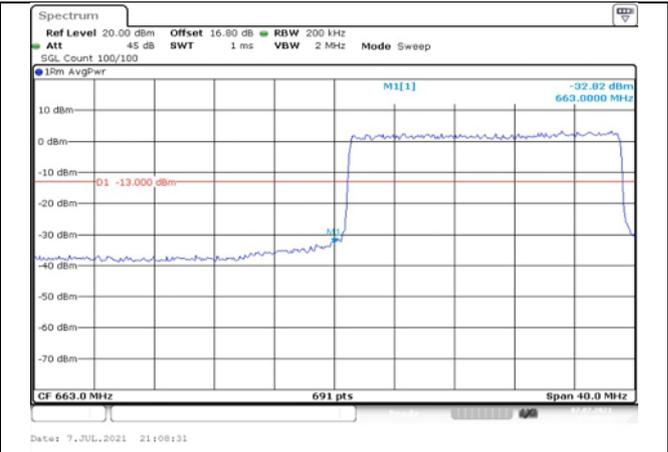
Fig.14
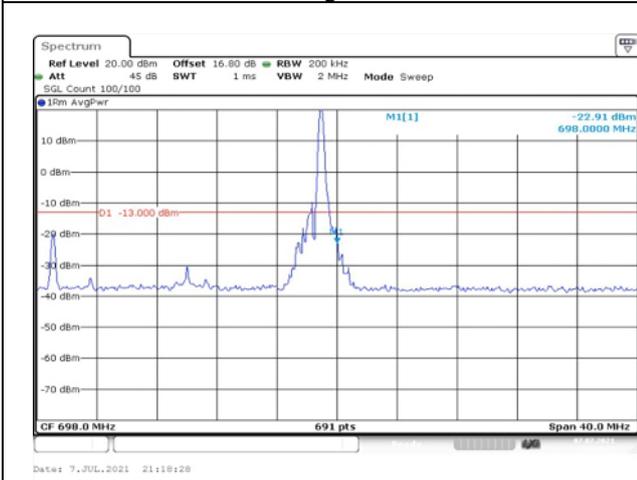
Fig.15

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band71 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	---	---	-0.007	-0.013	-0.003	-0.007
+10	NV	---	---	-0.012	-0.010	-0.007	-0.011
+20	NV	---	---	-0.016	-0.003	-0.018	-0.004
+30	NV	---	---	-0.012	-0.015	-0.014	-0.013
+40	NV	---	---	-0.006	-0.019	-0.020	-0.019
+55	NV	---	---	-0.010	-0.007	-0.009	-0.015
+20	LV	---	---	-0.014	-0.012	-0.011	-0.016
+20	HV	---	---	-0.012	-0.002	-0.006	-0.011

Temperature(°C)	Voltage	Test Result (ppm) Band71 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
0	NV	---	---	-0.008	-0.017	-0.010	-0.004
+10	NV	---	---	-0.008	-0.009	-0.011	-0.012
+20	NV	---	---	-0.011	-0.010	-0.007	-0.005
+30	NV	---	---	-0.016	-0.022	-0.014	-0.005
+40	NV	---	---	-0.005	-0.010	-0.016	-0.020
+55	NV	---	---	-0.018	-0.020	-0.013	-0.024
+20	LV	---	---	-0.008	-0.012	-0.013	-0.010
+20	HV	---	---	-0.008	-0.010	-0.006	-0.013

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	665.5	133147	5	1	0	23.69	18.14	0.065
				1	12	23.60	18.05	0.064
				1	24	23.61	18.06	0.064
				12	0	22.67	17.12	0.052
				12	7	22.73	17.18	0.052
				12	13	22.78	17.23	0.053
				25	0	22.70	17.15	0.052
	680.5	133297		1	0	23.57	18.02	0.063
				1	12	23.08	17.53	0.057
				1	24	23.05	17.50	0.056
				12	0	22.21	16.66	0.046
				12	7	22.28	16.73	0.047
				12	13	22.22	16.67	0.046
				25	0	22.27	16.72	0.047
	695.5	133447		1	0	23.03	17.48	0.056
				1	12	23.12	17.57	0.057
				1	24	23.14	17.59	0.057
				12	0	22.26	16.71	0.047
				12	7	22.21	16.66	0.046
				12	13	22.25	16.70	0.047
				25	0	22.33	16.78	0.048
16QAM	665.5	133147		1	0	22.77	17.22	0.053
				1	12	22.71	17.16	0.052
				1	24	22.71	17.16	0.052
				12	0	21.52	15.97	0.040
				12	7	21.67	16.12	0.041
				12	13	21.72	16.17	0.041
				25	0	21.76	16.21	0.042
	680.5	133297		1	0	22.23	16.68	0.047
				1	12	22.23	16.68	0.047
				1	24	22.18	16.63	0.046
				12	0	21.18	15.63	0.037
				12	7	21.20	15.65	0.037
				12	13	21.23	15.68	0.037
				25	0	21.28	15.73	0.037
	695.5	133447		1	0	22.23	16.68	0.047
				1	12	22.25	16.70	0.047
				1	24	22.25	16.70	0.047
				12	0	21.20	15.65	0.037
				12	7	21.20	15.65	0.037
				12	13	21.19	15.64	0.037
				25	0	21.29	15.74	0.037

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	665.5	133147	5	1	0	21.79	16.24	0.042
				1	12	21.79	16.24	0.042
				1	24	21.76	16.21	0.042
				12	0	21.79	16.24	0.042
				12	7	21.83	16.28	0.042
				12	13	21.78	16.23	0.042
				25	0	21.60	16.05	0.040
	680.5	133297		1	0	21.28	15.73	0.037
				1	12	21.30	15.75	0.038
				1	24	21.25	15.70	0.037
				12	0	21.33	15.78	0.038
				12	7	21.28	15.73	0.037
				12	13	21.29	15.74	0.037
				25	0	21.33	15.78	0.038
	695.5	133447		1	0	21.26	15.71	0.037
				1	12	21.24	15.69	0.037
				1	24	21.30	15.75	0.038
				12	0	21.30	15.75	0.038
				12	7	21.29	15.74	0.037
				12	13	21.31	15.76	0.038
				25	0	21.24	15.69	0.037

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	668	133172	10	1	0	23.21	17.66	0.058
				1	25	23.17	17.62	0.058
				1	49	23.18	17.63	0.058
				25	0	22.19	16.64	0.046
				25	12	22.21	16.66	0.046
				25	25	22.24	16.69	0.047
				50	0	22.24	16.69	0.047
	680.5	133297		1	0	23.21	17.66	0.058
				1	25	23.17	17.62	0.058
				1	49	23.22	17.67	0.058
				25	0	22.24	16.69	0.047
				25	12	22.31	16.76	0.047
				25	25	22.29	16.74	0.047
				50	0	22.23	16.68	0.047
	693	133422		1	0	23.24	17.69	0.059
				1	25	23.20	17.65	0.058
				1	49	23.19	17.64	0.058
				25	0	22.35	16.80	0.048
				25	12	22.22	16.67	0.046
				25	25	22.14	16.59	0.046
				50	0	22.33	16.78	0.048
16QAM	668	133172		1	0	22.31	16.76	0.047
				1	25	22.34	16.79	0.048
				1	49	22.26	16.71	0.047
				25	0	21.25	15.70	0.037
				25	12	21.35	15.80	0.038
				25	25	21.36	15.81	0.038
				50	0	21.25	15.70	0.037
	680.5	133297		1	0	22.37	16.82	0.048
				1	25	22.30	16.75	0.047
				1	49	22.28	16.73	0.047
				25	0	21.30	15.75	0.038
				25	12	21.34	15.79	0.038
				25	25	21.34	15.79	0.038
				50	0	21.30	15.75	0.038
	693	133422		1	0	22.27	16.72	0.047
				1	25	22.32	16.77	0.048
				1	49	22.31	16.76	0.047
				25	0	21.42	15.87	0.039
				25	12	21.25	15.70	0.037
				25	25	21.22	15.67	0.037
				50	0	21.33	15.78	0.038

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	668	133172	10	1	0	21.24	15.69	0.037
				1	25	21.27	15.72	0.037
				1	49	21.21	15.66	0.037
				25	0	21.24	15.69	0.037
				25	12	21.23	15.68	0.037
				25	25	21.23	15.68	0.037
				50	0	21.22	15.67	0.037
	680.5	133297		1	0	21.29	15.74	0.037
				1	25	21.29	15.74	0.037
				1	49	21.29	15.74	0.037
				25	0	21.29	15.74	0.037
				25	12	21.29	15.74	0.037
				25	25	21.29	15.74	0.037
				50	0	21.30	15.75	0.038
	693	133422		1	0	21.22	15.67	0.037
				1	25	21.27	15.72	0.037
				1	49	21.33	15.78	0.038
				25	0	21.25	15.70	0.037
				25	12	21.28	15.73	0.037
				25	25	21.30	15.75	0.038
				50	0	21.31	15.76	0.038

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	670.5	133197	15	1	0	23.12	17.57	0.057
				1	37	23.19	17.64	0.058
				1	74	23.09	17.54	0.057
				36	0	22.27	16.72	0.047
				36	29	22.40	16.85	0.048
				36	30	22.38	16.83	0.048
				75	0	22.26	16.71	0.047
	680.5	133297		1	0	23.14	17.59	0.057
				1	37	23.06	17.51	0.056
				1	74	23.15	17.60	0.058
				36	0	22.28	16.73	0.047
				36	29	22.26	16.71	0.047
				36	30	22.31	16.76	0.047
				75	0	22.29	16.74	0.047
	690.5	133397		1	0	23.13	17.58	0.057
				1	37	23.19	17.64	0.058
				1	74	23.16	17.61	0.058
				36	0	22.29	16.74	0.047
				36	29	22.32	16.77	0.048
				36	30	22.30	16.75	0.047
				75	0	22.32	16.77	0.048
16QAM	670.5	133197		1	0	22.66	17.11	0.051
				1	37	22.68	17.13	0.052
				1	74	22.68	17.13	0.052
				36	0	21.24	15.69	0.037
				36	29	21.27	15.72	0.037
				36	30	21.26	15.71	0.037
				75	0	21.23	15.68	0.037
	680.5	133297		1	0	22.62	17.07	0.051
				1	37	22.62	17.07	0.051
				1	74	22.66	17.11	0.051
				36	0	21.17	15.62	0.036
				36	29	21.23	15.68	0.037
				36	30	21.25	15.70	0.037
				75	0	21.19	15.64	0.037
	690.5	133397		1	0	22.58	17.03	0.050
				1	37	22.65	17.10	0.051
				1	74	22.64	17.09	0.051
				36	0	21.24	15.69	0.037
				36	29	21.15	15.60	0.036
				36	30	21.19	15.64	0.037
				75	0	21.28	15.73	0.037

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	670.5	133197	15	1	0	21.32	15.77	0.038
				1	37	21.24	15.69	0.037
				1	74	21.26	15.71	0.037
				36	0	21.19	15.64	0.037
				36	29	21.28	15.73	0.037
				36	30	21.26	15.71	0.037
				75	0	21.27	15.72	0.037
	680.5	133297		1	0	21.21	15.66	0.037
				1	37	21.19	15.64	0.037
				1	74	21.20	15.65	0.037
				36	0	21.19	15.64	0.037
				36	29	21.20	15.65	0.037
				36	30	21.24	15.69	0.037
				75	0	21.21	15.66	0.037
	690.5	133397		1	0	21.17	15.62	0.036
				1	37	21.25	15.70	0.037
				1	74	21.23	15.68	0.037
				36	0	21.18	15.63	0.037
				36	29	21.27	15.72	0.037
				36	30	21.26	15.71	0.037
				75	0	21.25	15.70	0.037

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	673	133222	20	1	0	22.92	17.37	0.055
				1	49	22.92	17.37	0.055
				1	99	22.91	17.36	0.054
				50	0	22.24	16.69	0.047
				50	24	22.37	16.82	0.048
				50	50	22.41	16.86	0.049
				100	0	22.34	16.79	0.048
	680.5	133297		1	0	22.96	17.41	0.055
				1	49	22.87	17.32	0.054
				1	99	22.92	17.37	0.055
				50	0	22.16	16.61	0.046
				50	24	22.24	16.69	0.047
				50	50	22.31	16.76	0.047
				100	0	22.21	16.66	0.046
	688	133372		1	0	22.89	17.34	0.054
				1	49	22.91	17.36	0.054
				1	99	22.93	17.38	0.055
				50	0	22.22	16.67	0.046
				50	24	22.23	16.68	0.047
				50	50	22.20	16.65	0.046
				100	0	22.23	16.68	0.047
16QAM	673	133222		1	0	22.56	17.01	0.050
				1	49	22.48	16.93	0.049
				1	99	22.52	16.97	0.050
				50	0	21.22	15.67	0.037
				50	24	21.36	15.81	0.038
				50	50	21.33	15.78	0.038
				100	0	21.32	15.77	0.038
	680.5	133297		1	0	22.56	17.01	0.050
				1	49	22.53	16.98	0.050
				1	99	22.47	16.92	0.049
				50	0	21.12	15.57	0.036
				50	24	21.23	15.68	0.037
				50	50	21.25	15.70	0.037
				100	0	21.24	15.69	0.037
	688	133372		1	0	22.58	17.03	0.050
				1	49	22.54	16.99	0.050
				1	99	22.51	16.96	0.050
				50	0	21.22	15.67	0.037
				50	24	21.16	15.61	0.036
				50	50	21.16	15.61	0.036
				100	0	21.22	15.67	0.037

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	673	133222	20	1	0	21.24	15.69	0.037
				1	49	21.31	15.76	0.038
				1	99	21.25	15.70	0.037
				50	0	21.30	15.75	0.038
				50	24	21.27	15.72	0.037
				50	50	21.25	15.70	0.037
				100	0	21.34	15.79	0.038
	680.5	133297		1	0	21.17	15.62	0.036
				1	49	21.16	15.61	0.036
				1	99	21.23	15.68	0.037
				50	0	21.17	15.62	0.036
				50	24	21.19	15.64	0.037
				50	50	21.20	15.65	0.037
				100	0	21.18	15.63	0.037
	688	133372		1	0	21.22	15.67	0.037
				1	49	21.22	15.67	0.037
				1	99	21.21	15.66	0.037
				50	0	21.20	15.65	0.037
				50	24	21.20	15.65	0.037
				50	50	21.20	15.65	0.037
				100	0	21.20	15.65	0.037