

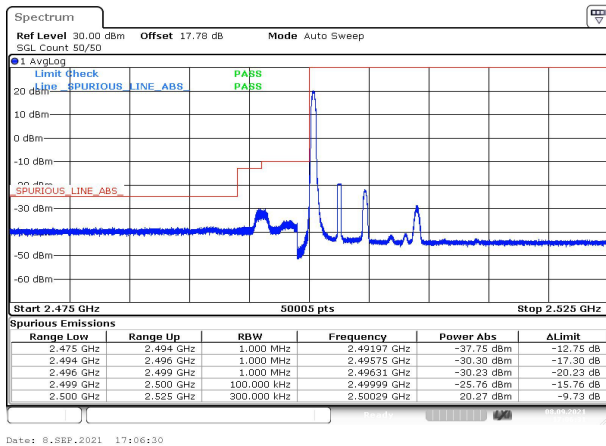


Fig.1

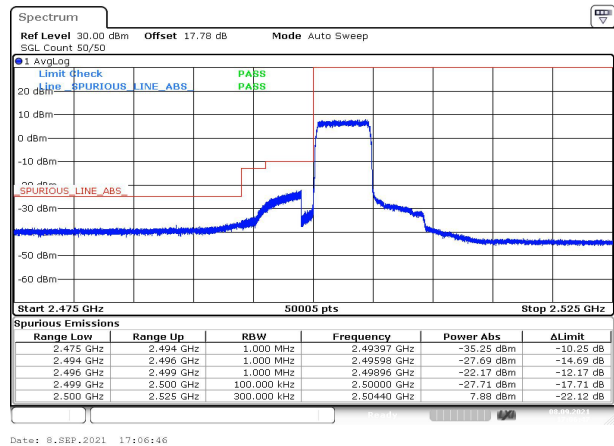


Fig.2

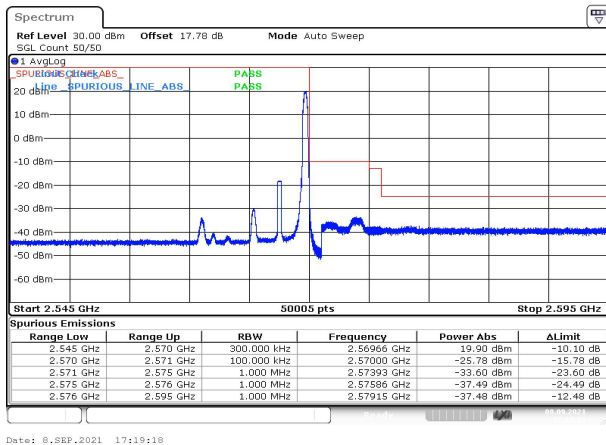


Fig.3

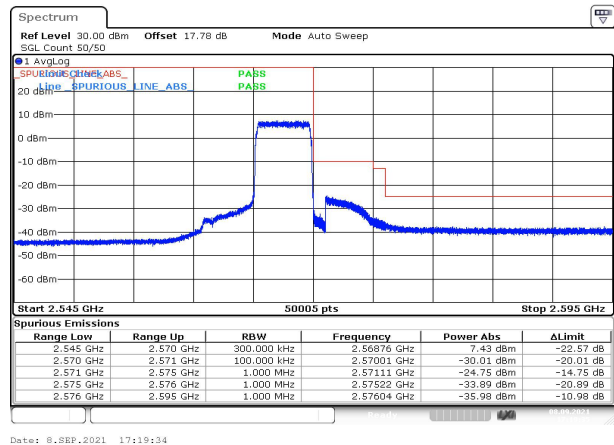


Fig.4

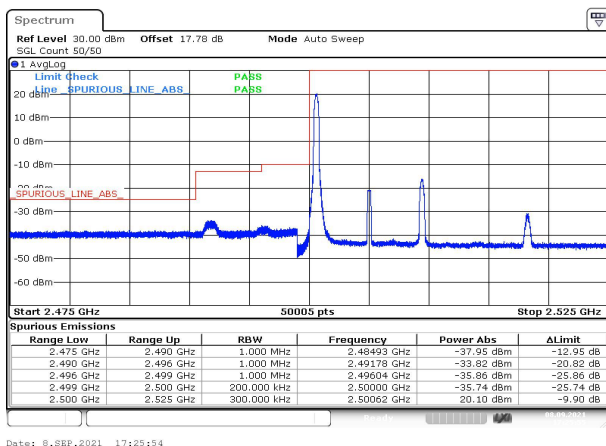


Fig.5

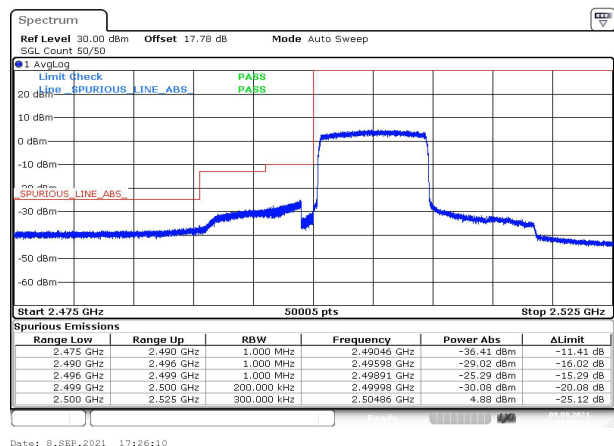
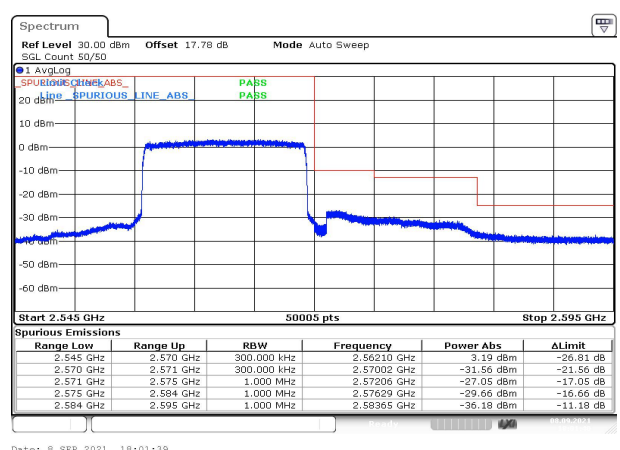
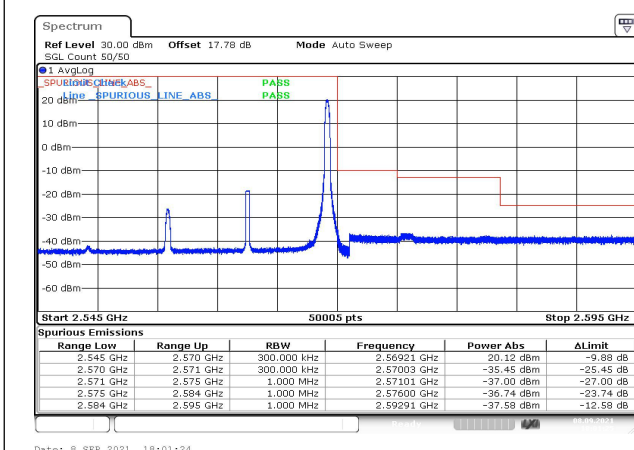
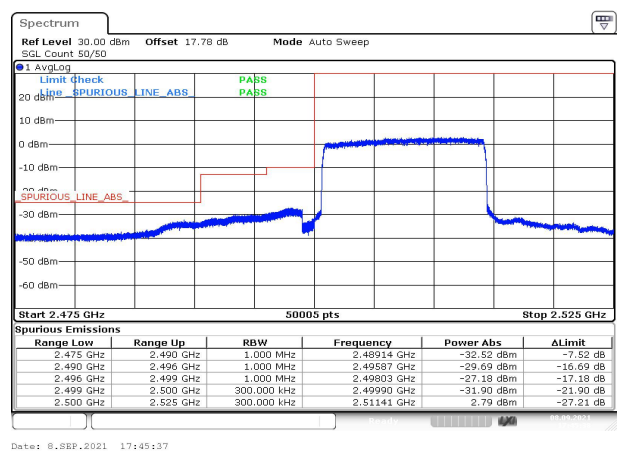
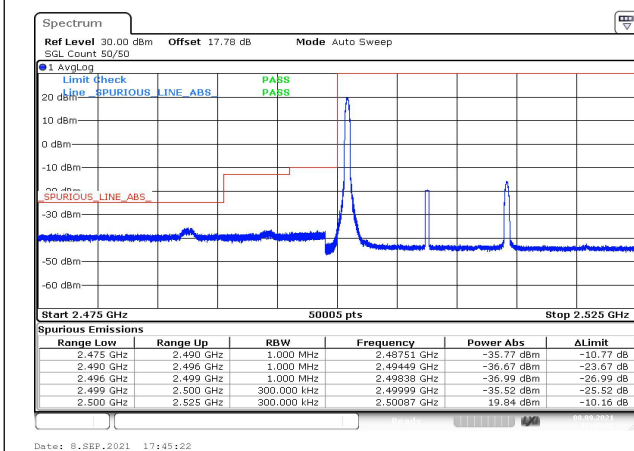
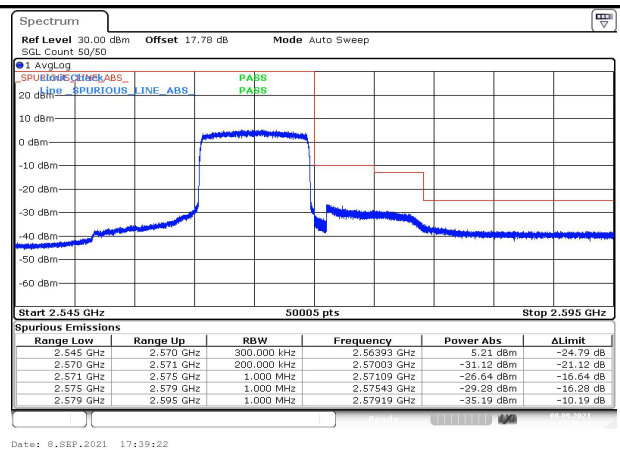
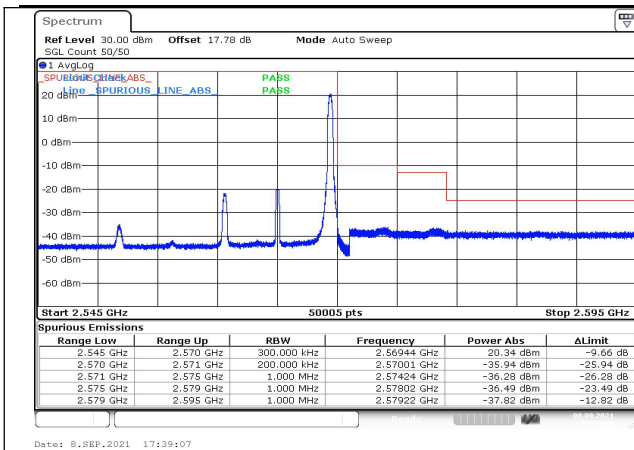


Fig.6



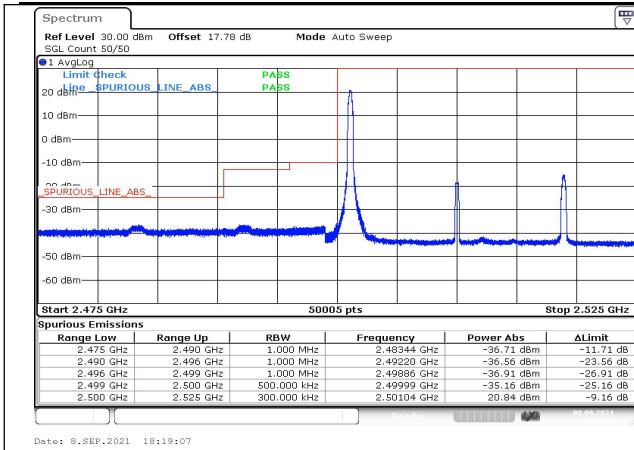


Fig.13

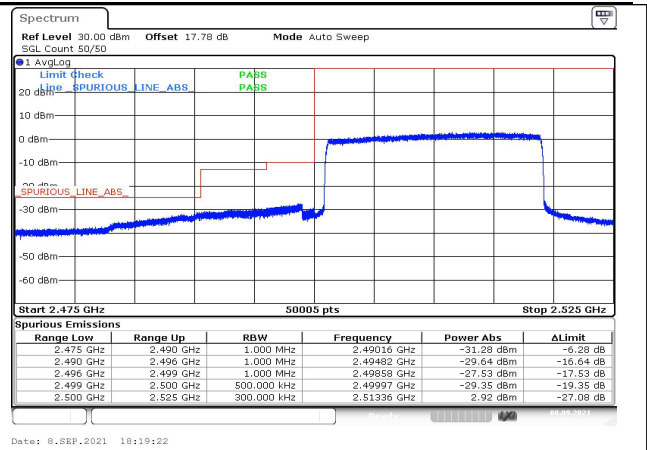


Fig.14

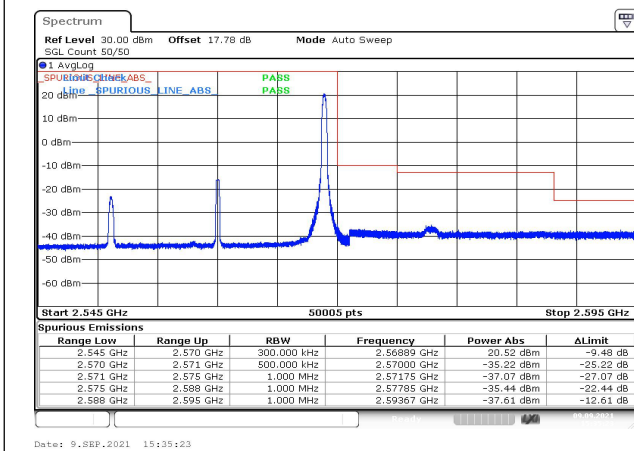


Fig.15

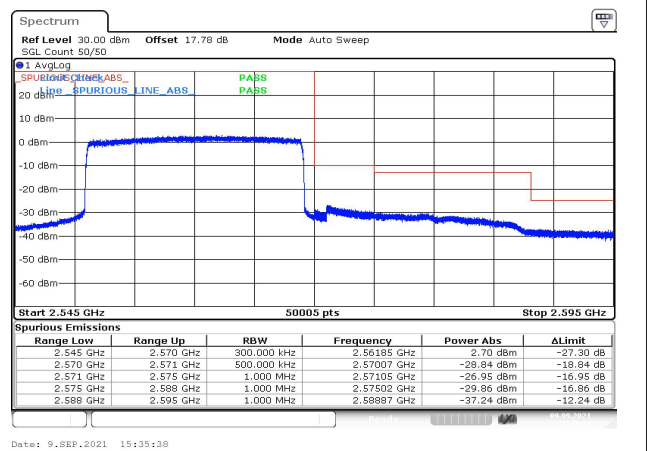


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	0.001	-0.002	0.000	0.001
-20	NV	---	---	0.000	0.000	0.002	0.001
-10	NV	---	---	0.000	-0.002	0.001	0.001
0	NV	---	---	0.002	-0.002	0.000	0.002
+10	NV	---	---	0.001	0.000	-0.001	0.001
+20	NV	---	---	0.001	-0.001	0.001	0.001
+30	NV	---	---	0.001	-0.001	0.000	0.000
+40	NV	---	---	0.002	-0.002	-0.001	0.001
+50	NV	---	---	0.000	-0.002	0.001	0.001
+20	LV	---	---	0.000	-0.001	-0.398	0.001
+20	HV	---	---	0.000	-0.002	0.000	0.000

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	-0.001	-0.001	0.000	0.000
-20	NV	---	---	0.001	0.000	0.001	0.002
-10	NV	---	---	-0.001	0.000	0.001	0.001
0	NV	---	---	-0.002	-0.001	0.001	0.001
+10	NV	---	---	0.002	-0.002	0.002	-0.001
+20	NV	---	---	0.000	0.000	0.000	0.001
+30	NV	---	---	0.000	-0.002	0.001	0.000
+40	NV	---	---	-0.001	-0.001	0.002	0.000
+50	NV	---	---	-0.001	-0.001	0.002	0.001
+20	LV	---	---	0.000	-0.001	0.000	-0.001
+20	HV	---	---	0.000	-0.002	0.001	0.000

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2502.5	20775	5	1	0	21.81	22.61	0.182
				1	12	22.16	22.96	0.198
				1	24	21.08	21.88	0.154
				12	0	20.61	21.41	0.138
				12	7	20.57	21.37	0.137
				12	13	20.43	21.23	0.133
				25	0	20.37	21.17	0.131
	2535	21100		1	0	20.83	21.63	0.146
				1	12	20.88	21.68	0.147
				1	24	20.90	21.70	0.148
				12	0	19.87	20.67	0.117
				12	7	19.88	20.68	0.117
				12	13	19.82	20.62	0.115
				25	0	19.87	20.67	0.117
	2567.5	21425		1	0	20.97	21.77	0.150
				1	12	20.86	21.66	0.147
				1	24	20.72	21.52	0.142
				12	0	19.74	20.54	0.113
				12	7	19.74	20.54	0.113
				12	13	19.65	20.45	0.111
				25	0	19.65	20.45	0.111
16QAM	2502.5	20775		1	0	19.87	20.67	0.117
				1	12	19.88	20.68	0.117
				1	24	19.85	20.65	0.116
				12	0	19.40	20.20	0.105
				12	7	19.35	20.15	0.104
				12	13	19.36	20.16	0.104
				25	0	19.19	19.99	0.100
	2535	21100	1	0	19.62	20.42	0.110	
			1	12	19.50	20.30	0.107	
			1	24	19.28	20.08	0.102	
			12	0	18.19	18.99	0.079	
			12	7	18.20	19.00	0.079	
			12	13	18.41	19.21	0.083	
			25	0	18.59	19.39	0.087	
	2567.5	21425	1	0	19.43	20.23	0.105	
			1	12	19.31	20.11	0.103	
			1	24	19.13	19.93	0.098	
			12	0	18.33	19.13	0.082	
			12	7	18.37	19.17	0.083	
			12	13	18.49	19.29	0.085	
			25	0	18.54	19.34	0.086	

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2502.5	20775	5	1	0	21.02	21.82	0.152
				1	12	21.14	21.94	0.156
				1	24	20.86	21.66	0.147
				12	0	19.12	19.92	0.098
				12	7	19.07	19.87	0.097
				12	13	19.07	19.87	0.097
				25	0	19.12	19.92	0.098
	2535	21100		1	0	19.64	20.44	0.111
				1	12	20.83	21.63	0.146
				1	24	20.79	21.59	0.144
				12	0	19.19	19.99	0.100
				12	7	19.22	20.02	0.100
				12	13	19.14	19.94	0.099
				25	0	19.25	20.05	0.101
	2567.5	21425		1	0	19.56	20.36	0.109
				1	12	20.29	21.09	0.129
				1	24	20.01	20.81	0.121
				12	0	18.58	19.38	0.087
				12	7	18.59	19.39	0.087
				12	13	18.61	19.41	0.087
				25	0	18.64	19.44	0.088

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2505	20800	10	1	0	21.20	22.00	0.158
				1	25	20.44	21.24	0.133
				1	49	21.01	21.81	0.152
				25	0	19.45	20.25	0.106
				25	12	19.52	20.32	0.108
				25	25	19.49	20.29	0.107
	50	0		19.43	20.23	0.105		
	2535	21100		1	0	20.93	21.73	0.149
				1	25	21.15	21.95	0.157
				1	49	20.85	21.65	0.146
				25	0	19.66	20.46	0.111
				25	12	19.66	20.46	0.111
				25	25	19.55	20.35	0.108
	50	0		19.65	20.45	0.111		
	2565	21400		1	0	20.87	21.67	0.147
				1	25	20.99	21.79	0.151
				1	49	21.51	22.31	0.170
				25	0	19.87	20.67	0.117
25				12	19.93	20.73	0.118	
25				25	19.86	20.66	0.116	
50	0	19.82		20.62	0.115			
16QAM	2505	20800		1	0	20.17	20.97	0.125
				1	25	20.47	21.27	0.134
				1	49	19.60	20.40	0.110
				25	0	18.33	19.13	0.082
				25	12	18.27	19.07	0.081
				25	25	18.33	19.13	0.082
	50	0		18.29	19.09	0.081		
	2535	21100		1	0	19.93	20.73	0.118
				1	25	19.78	20.58	0.114
				1	49	19.50	20.30	0.107
				25	0	18.53	19.33	0.086
				25	12	18.51	19.31	0.085
				25	25	18.57	19.37	0.086
	50	0		18.40	19.20	0.083		
	2565	21400		1	0	19.55	20.35	0.108
				1	25	20.02	20.82	0.121
				1	49	19.60	20.40	0.110
				25	0	18.64	19.44	0.088
25				12	18.85	19.65	0.092	
25				25	18.66	19.46	0.088	
50	0	18.55		19.35	0.086			

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2505	20800	10	1	0	20.06	20.86	0.122
				1	25	20.07	20.87	0.122
				1	49	19.96	20.76	0.119
				25	0	18.20	19.00	0.079
				25	12	18.43	19.23	0.084
				25	25	18.34	19.14	0.082
				50	0	18.21	19.01	0.080
	2535	21100		1	0	19.89	20.69	0.117
				1	25	20.41	21.21	0.132
				1	49	19.99	20.79	0.120
				25	0	18.71	19.51	0.089
				25	12	18.89	19.69	0.093
				25	25	18.76	19.56	0.090
				50	0	18.68	19.48	0.089
	2565	21400		1	0	20.23	21.03	0.127
				1	25	19.97	20.77	0.119
				1	49	20.52	21.32	0.136
				25	0	18.88	19.68	0.093
				25	12	18.83	19.63	0.092
				25	25	18.73	19.53	0.090
				50	0	18.62	19.42	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	21.26	22.06	0.161
				1	37	20.91	21.71	0.148
				1	74	20.83	21.63	0.146
				36	0	19.71	20.51	0.112
				36	29	19.67	20.47	0.111
				36	30	19.57	20.37	0.109
				75	0	19.59	20.39	0.109
	2535	21100		1	0	20.90	21.70	0.148
				1	37	20.76	21.56	0.143
				1	74	20.29	21.09	0.129
				36	0	19.37	20.17	0.104
				36	29	19.37	20.17	0.104
				36	30	19.38	20.18	0.104
				75	0	19.27	20.07	0.102
	2562.5	21375		1	0	19.81	20.61	0.115
				1	37	20.42	21.22	0.132
				1	74	20.06	20.86	0.122
				36	0	19.24	20.04	0.101
				36	29	19.13	19.93	0.098
				36	30	19.10	19.90	0.098
				75	0	19.10	19.90	0.098
16QAM	2507.5	20825		1	0	20.44	21.24	0.133
				1	37	20.18	20.98	0.125
				1	74	20.03	20.83	0.121
				36	0	18.15	18.95	0.079
				36	29	18.46	19.26	0.084
				36	30	18.35	19.15	0.082
				75	0	18.30	19.10	0.081
	2535	21100	1	0	20.31	21.11	0.129	
			1	37	20.37	21.17	0.131	
			1	74	19.84	20.64	0.116	
			36	0	18.22	19.02	0.080	
			36	29	18.46	19.26	0.084	
			36	30	18.30	19.10	0.081	
			75	0	18.35	19.15	0.082	
	2562.5	21375	1	0	20.17	20.97	0.125	
			1	37	19.73	20.53	0.113	
			1	74	19.32	20.12	0.103	
			36	0	18.05	18.85	0.077	
			36	29	18.04	18.84	0.077	
			36	30	18.02	18.82	0.076	
			75	0	18.21	19.01	0.080	

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2507.5	20825	15	1	0	19.98	20.78	0.120
				1	37	19.74	20.54	0.113
				1	74	19.63	20.43	0.110
				36	0	18.24	19.04	0.080
				36	29	18.43	19.23	0.084
				36	30	18.23	19.03	0.080
				75	0	18.27	19.07	0.081
	2535	21100		1	0	18.99	19.79	0.095
				1	37	20.29	21.09	0.129
				1	74	20.05	20.85	0.122
				36	0	18.68	19.48	0.089
				36	29	18.50	19.30	0.085
				36	30	18.33	19.13	0.082
				75	0	18.29	19.09	0.081
	2562.5	21375		1	0	19.59	20.39	0.109
				1	37	19.92	20.72	0.118
				1	74	18.63	19.43	0.088
				36	0	18.32	19.12	0.082
				36	29	18.20	19.00	0.079
				36	30	18.18	18.98	0.079
				75	0	18.08	18.88	0.077

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2510	20850	20	1	0	21.64	22.44	0.175	
				1	49	21.64	22.44	0.175	
				1	99	21.20	22.00	0.158	
				50	0	20.49	21.29	0.135	
				50	24	20.40	21.20	0.132	
				50	50	20.33	21.13	0.130	
	100	0		20.37	21.17	0.131			
	2535	21100		1	0	21.60	22.40	0.174	
				1	49	22.02	22.82	0.191	
				1	99	21.08	21.88	0.154	
				50	0	20.55	21.35	0.136	
				50	24	20.58	21.38	0.137	
				50	50	20.37	21.17	0.131	
	100	0		20.33	21.13	0.130			
	2560	21350		1	0	20.61	21.41	0.138	
				1	49	20.81	21.61	0.145	
				1	99	20.39	21.19	0.132	
				50	0	19.71	20.51	0.112	
				50	24	19.64	20.44	0.111	
				50	50	19.54	20.34	0.108	
	100	0		19.57	20.37	0.109			
	16QAM	2510		20850	1	0	20.43	21.23	0.133
					1	49	20.50	21.30	0.135
					1	99	19.64	20.44	0.111
50					0	19.20	20.00	0.100	
50					24	19.11	19.91	0.098	
50					50	18.93	19.73	0.094	
100		0		19.02	19.82	0.096			
2535		21100		1	0	20.52	21.32	0.136	
				1	49	20.45	21.25	0.133	
				1	99	20.25	21.05	0.127	
				50	0	19.16	19.96	0.099	
				50	24	19.19	19.99	0.100	
				50	50	19.05	19.85	0.097	
100		0		19.00	19.80	0.095			
2560		21350		1	0	20.03	20.83	0.121	
				1	49	20.26	21.06	0.128	
				1	99	19.78	20.58	0.114	
				50	0	18.48	19.28	0.085	
				50	24	18.22	19.02	0.080	
				50	50	18.16	18.96	0.079	
100		0		18.32	19.12	0.082			

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2510	20850	20	1	0	20.16	20.96	0.125
				1	49	20.24	21.04	0.127
				1	99	19.91	20.71	0.118
				50	0	19.96	20.76	0.119
				50	24	19.04	19.84	0.096
				50	50	20.31	21.11	0.129
				100	0	19.47	20.27	0.106
	2535	21100		1	0	20.01	20.81	0.121
				1	49	20.28	21.08	0.128
				1	99	20.13	20.93	0.124
				50	0	19.10	19.90	0.098
				50	24	19.09	19.89	0.097
				50	50	18.95	19.75	0.094
				100	0	18.72	19.52	0.090
	2560	21350		1	0	20.17	20.97	0.125
				1	49	20.22	21.02	0.126
				1	99	19.57	20.37	0.109
				50	0	18.68	19.48	0.089
				50	24	18.60	19.40	0.087
				50	50	18.39	19.19	0.083
				100	0	19.84	20.64	0.116