

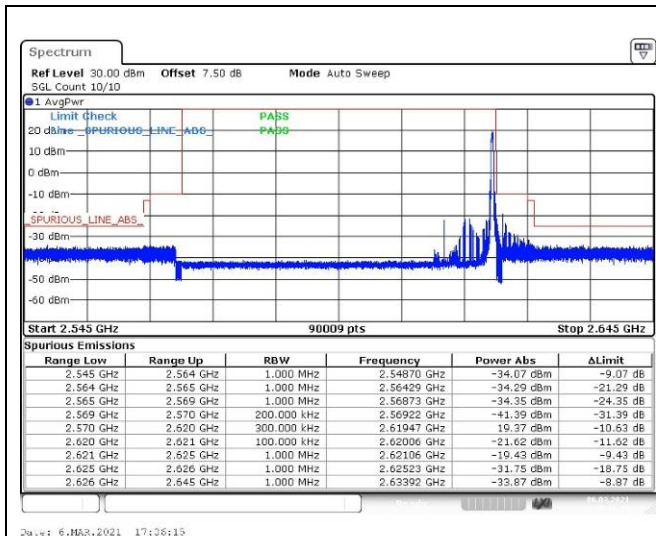


Fig.7

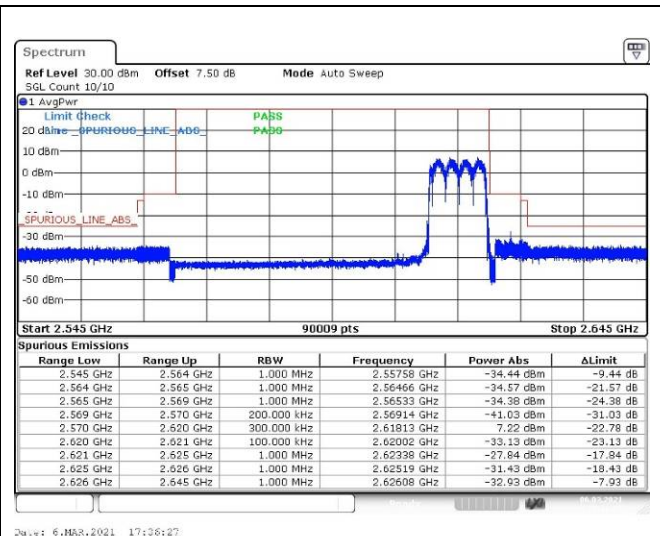


Fig.8

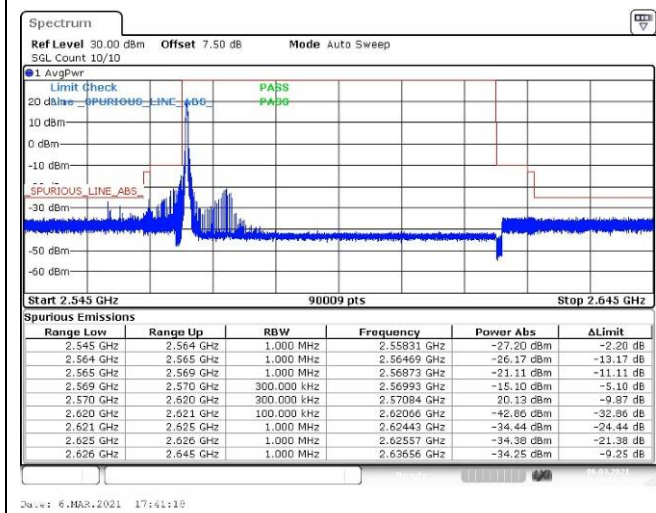


Fig.9

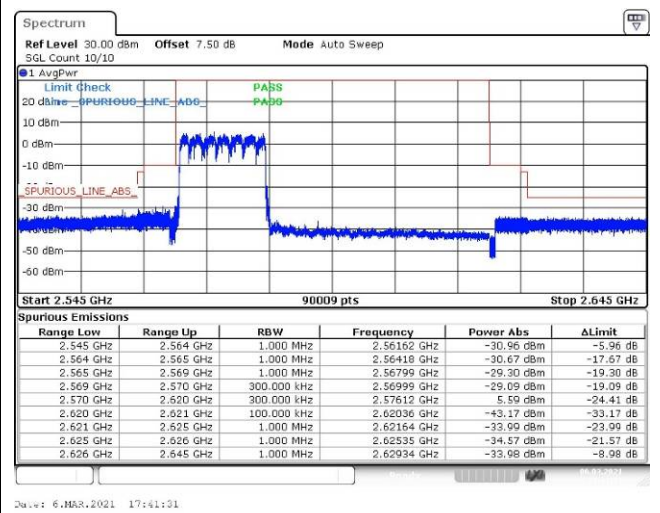


Fig.10

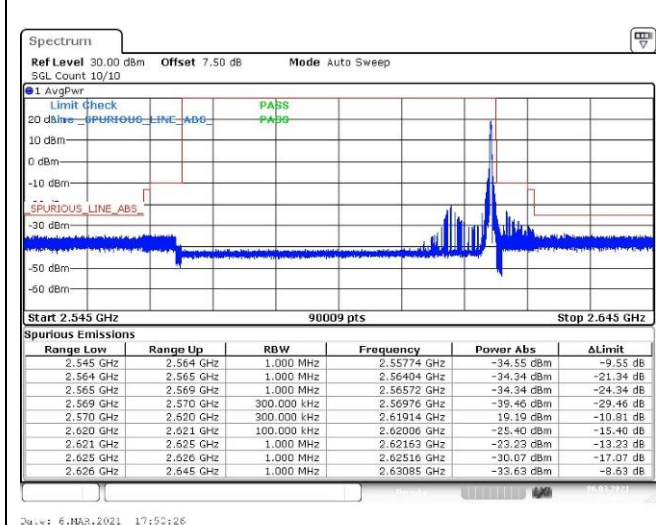


Fig.11

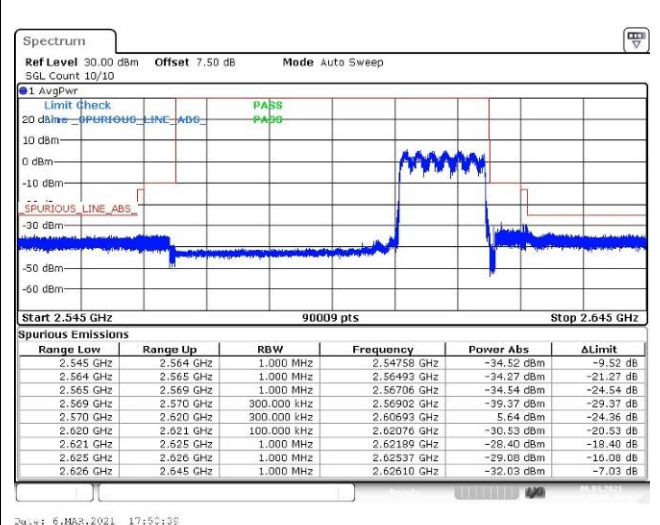


Fig.12

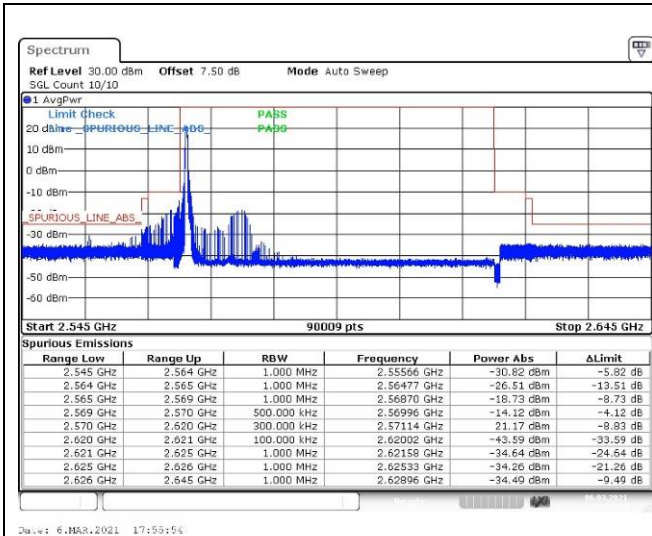


Fig.13

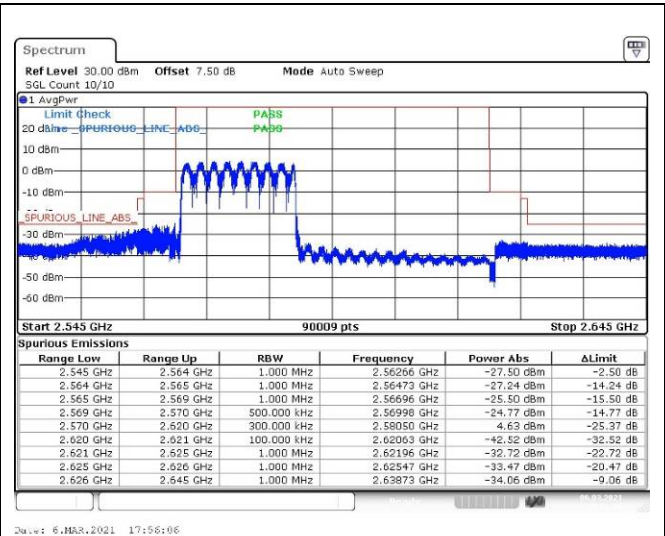


Fig.14

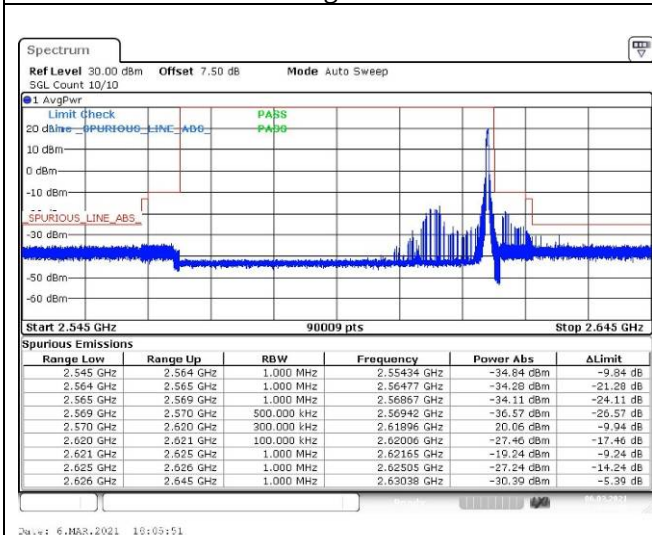


Fig.15

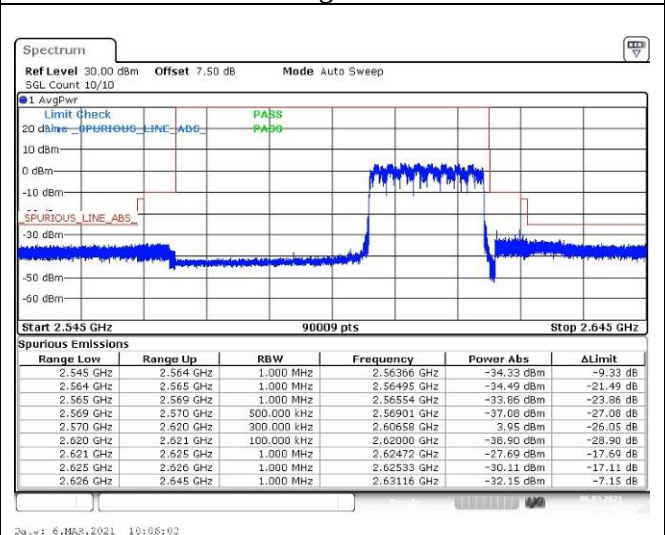


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band38 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	0.003	-0.005	0.009	-0.005
0	NV	---	---	0.017	-0.002	0.003	-0.015
+10	NV	---	---	-0.013	0.007	-0.017	0.010
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	0.003	0.015	0.000	-0.018
+40	NV	---	---	-0.003	-0.008	-0.005	-0.004
+50	NV	---	---	-0.007	0.008	0.010	-0.016
+55	NV	---	---	-0.005	0.011	0.015	-0.012
+20	LV	---	---	0.003	-0.021	0.007	0.021
+20	HV	---	---	0.008	0.006	-0.015	0.011

Temperature(°C)	Voltage	Test Result (ppm) Band38 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	-0.003	-0.013	0.001	-0.001
0	NV	---	---	0.007	0.009	0.009	0.001
+10	NV	---	---	0.014	0.005	0.011	-0.005
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	0.010	0.003	0.006	0.008
+40	NV	---	---	-0.003	0.012	-0.005	0.013
+50	NV	---	---	0.014	0.001	0.015	-0.002
+55	NV	---	---	-0.012	0.015	0.012	-0.017
+20	LV	---	---	0.007	0.000	-0.016	-0.001
+20	HV	---	---	-0.005	0.004	0.011	-0.013

8 Effective Radiated Power and Effective Isotropic Radiated Power

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	2572.5	37775	5	1	0	24.90	24.65	0.292	
				1	12	24.58	24.33	0.271	
				1	24	24.55	24.30	0.269	
				12	0	23.99	23.74	0.237	
				12	7	23.84	23.59	0.229	
				12	13	23.83	23.58	0.228	
				25	0	23.91	23.66	0.232	
	2595	38000		1	0	23.49	23.24	0.211	
				1	12	23.31	23.06	0.202	
				1	24	23.30	23.05	0.202	
				12	0	23.79	23.54	0.226	
				12	7	23.67	23.42	0.220	
				12	13	23.67	23.42	0.220	
				25	0	23.71	23.46	0.222	
	2617.5	38225		1	0	23.01	22.76	0.189	
				1	12	23.06	22.81	0.191	
				1	24	23.05	22.80	0.191	
				12	0	23.35	23.10	0.204	
				12	7	23.38	23.13	0.206	
				12	13	23.38	23.13	0.206	
				25	0	23.36	23.11	0.205	
	16QAM	2572.5		37775	1	0	24.56	24.31	0.270
					1	12	24.52	24.27	0.267
					1	24	24.52	24.27	0.267
12					0	22.99	22.74	0.188	
12					7	22.82	22.57	0.181	
12					13	22.82	22.57	0.181	
25					0	23.13	22.88	0.194	
2595		38000	1	0	23.66	23.41	0.219		
			1	12	23.49	23.24	0.211		
			1	24	23.49	23.24	0.211		
			12	0	22.86	22.61	0.182		
			12	7	22.91	22.66	0.185		
			12	13	22.91	22.66	0.185		
			25	0	22.96	22.71	0.187		
2617.5		38225	1	0	23.34	23.09	0.204		
			1	12	23.38	23.13	0.206		
			1	24	23.38	23.13	0.206		
			12	0	22.76	22.51	0.178		
			12	7	22.70	22.45	0.176		
			12	13	22.70	22.45	0.176		
25	0	22.74	22.49	0.177					

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2572.5	37775	5	1	0	23.13	22.88	0.194
				1	12	23.13	22.88	0.194
				1	24	23.13	22.88	0.194
				12	0	23.13	22.88	0.194
				12	7	23.13	22.88	0.194
				12	13	23.13	22.88	0.194
				25	0	23.13	22.88	0.194
	2595	38000		1	0	22.96	22.71	0.187
				1	12	22.96	22.71	0.187
				1	24	22.96	22.71	0.187
				12	0	22.96	22.71	0.187
				12	7	22.96	22.71	0.187
				12	13	22.96	22.71	0.187
				25	0	22.95	22.70	0.186
	2617.5	38225		1	0	22.74	22.49	0.177
				1	12	22.74	22.49	0.177
				1	24	22.74	22.49	0.177
				12	0	22.74	22.49	0.177
				12	7	22.74	22.49	0.177
				12	13	22.74	22.49	0.177
				25	0	22.74	22.49	0.177

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	24.97	24.72	0.296
				1	25	24.89	24.64	0.291
				1	49	24.89	24.64	0.291
				25	0	24.10	23.85	0.243
				25	12	23.93	23.68	0.233
				25	25	23.93	23.68	0.233
				50	0	23.95	23.70	0.234
	2595	38000		1	0	23.78	23.53	0.225
				1	25	23.92	23.67	0.233
				1	49	23.91	23.66	0.232
				25	0	23.89	23.64	0.231
				25	12	23.81	23.56	0.227
				25	25	23.81	23.56	0.227
				50	0	23.90	23.65	0.232
	2615	38200		1	0	23.25	23.00	0.200
				1	25	23.77	23.52	0.225
				1	49	23.76	23.51	0.224
				25	0	23.45	23.20	0.209
				25	12	23.68	23.43	0.220
				25	25	23.67	23.42	0.220
				50	0	23.55	23.30	0.214
16QAM	2575	37800	1	0	24.30	24.05	0.254	
			1	25	24.22	23.97	0.249	
			1	49	24.33	24.08	0.256	
			25	0	23.10	22.85	0.193	
			25	12	23.04	22.79	0.190	
			25	25	23.04	22.79	0.190	
			50	0	23.02	22.77	0.189	
	2595	38000	1	0	23.75	23.50	0.224	
			1	25	23.90	23.65	0.232	
			1	49	23.90	23.65	0.232	
			25	0	23.00	22.75	0.188	
			25	12	22.97	22.72	0.187	
			25	25	22.97	22.72	0.187	
			50	0	22.99	22.74	0.188	
	2615	38200	1	0	23.26	23.01	0.200	
			1	25	23.77	23.52	0.225	
			1	49	23.77	23.52	0.225	
			25	0	23.03	22.78	0.190	
			25	12	22.76	22.51	0.178	
			25	25	22.76	22.51	0.178	
			50	0	22.83	22.58	0.181	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2575	37800	10	1	0	23.02	22.77	0.189
				1	25	23.02	22.77	0.189
				1	49	23.02	22.77	0.189
				25	0	23.02	22.77	0.189
				25	12	23.02	22.77	0.189
				25	25	23.02	22.77	0.189
				50	0	23.02	22.77	0.189
	2595	38000		1	0	22.99	22.74	0.188
				1	25	22.99	22.74	0.188
				1	49	23.00	22.75	0.188
				25	0	22.99	22.74	0.188
				25	12	23.00	22.75	0.188
				25	25	22.99	22.74	0.188
				50	0	23.00	22.75	0.188
	2615	38200		1	0	22.83	22.58	0.181
				1	25	22.83	22.58	0.181
				1	49	22.83	22.58	0.181
				25	0	22.83	22.58	0.181
				25	12	22.83	22.58	0.181
				25	25	22.83	22.58	0.181
				50	0	22.83	22.58	0.181

Modulation	Carrier frequen- cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct- ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2577.5	37825	15	1	0	25.11	24.86	0.306	
				1	37	24.26	24.01	0.252	
				1	74	24.25	24.00	0.251	
				36	0	24.09	23.84	0.242	
				36	29	23.86	23.61	0.230	
				36	30	23.86	23.61	0.230	
				75	0	23.95	23.70	0.234	
	2595	38000		1	0	24.06	23.81	0.240	
				1	37	23.55	23.30	0.214	
				1	74	23.54	23.29	0.213	
				36	0	24.01	23.76	0.238	
				36	29	23.72	23.47	0.222	
				36	30	23.72	23.47	0.222	
				75	0	23.84	23.59	0.229	
	2612.5	38175		1	0	23.54	23.29	0.213	
				1	37	23.47	23.22	0.210	
				1	74	23.47	23.22	0.210	
				36	0	23.53	23.28	0.213	
				36	29	23.50	23.25	0.211	
				36	30	23.49	23.24	0.211	
				75	0	23.49	23.24	0.211	
	16QAM	2577.5		37825	1	0	24.25	24.00	0.251
					1	37	23.97	23.72	0.236
					1	74	23.97	23.72	0.236
36					0	23.07	22.82	0.191	
36					29	22.94	22.69	0.186	
36					30	22.94	22.69	0.186	
75					0	23.16	22.91	0.195	
2595		38000	1	0	24.04	23.79	0.239		
			1	37	23.56	23.31	0.214		
			1	74	23.55	23.30	0.214		
			36	0	22.92	22.67	0.185		
			36	29	22.83	22.58	0.181		
			36	30	22.83	22.58	0.181		
			75	0	23.11	22.86	0.193		
2612.5		38175	1	0	23.10	22.85	0.193		
			1	37	22.79	22.54	0.179		
			1	74	22.79	22.54	0.179		
			36	0	23.04	22.79	0.190		
			36	29	23.02	22.77	0.189		
			36	30	23.02	22.77	0.189		
			75	0	23.03	22.78	0.190		

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2577.5	37825	15	1	0	23.17	22.92	0.196
				1	37	23.16	22.91	0.195
				1	74	23.16	22.91	0.195
				36	0	23.17	22.92	0.196
				36	29	23.16	22.91	0.195
				36	30	23.17	22.92	0.196
				75	0	23.16	22.91	0.195
	2595	38000		1	0	23.11	22.86	0.193
				1	37	23.11	22.86	0.193
				1	74	23.11	22.86	0.193
				36	0	23.11	22.86	0.193
				36	29	23.11	22.86	0.193
				36	30	23.11	22.86	0.193
				75	0	23.11	22.86	0.193
	2612.5	38175		1	0	23.03	22.78	0.190
				1	37	23.03	22.78	0.190
				1	74	23.03	22.78	0.190
				36	0	23.03	22.78	0.190
				36	29	23.03	22.78	0.190
				36	30	23.03	22.78	0.190
				75	0	23.03	22.78	0.190

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	25.04	24.79	0.301
				1	49	24.32	24.07	0.255
				1	99	24.32	24.07	0.255
				50	0	23.96	23.71	0.235
				50	24	23.91	23.66	0.232
				50	50	23.91	23.66	0.232
				100	0	23.97	23.72	0.236
	2595	38000		1	0	24.59	24.34	0.272
				1	49	23.84	23.59	0.229
				1	99	23.83	23.58	0.228
				50	0	23.88	23.63	0.231
				50	24	23.85	23.60	0.229
				50	50	23.85	23.60	0.229
				100	0	23.89	23.64	0.231
	2610	38150		1	0	23.89	23.64	0.231
				1	49	23.68	23.43	0.220
				1	99	23.67	23.42	0.220
				50	0	23.70	23.45	0.221
				50	24	23.58	23.33	0.215
				50	50	23.58	23.33	0.215
				100	0	23.62	23.37	0.217
16QAM	2580	37850		1	0	24.35	24.10	0.257
				1	49	24.15	23.90	0.245
				1	99	24.14	23.89	0.245
				50	0	23.30	23.05	0.202
				50	24	23.21	22.96	0.198
				50	50	23.20	22.95	0.197
				100	0	23.02	22.77	0.189
	2595	38000		1	0	23.64	23.39	0.218
				1	49	23.52	23.27	0.212
				1	99	23.75	23.50	0.224
				50	0	23.11	22.86	0.193
				50	24	22.83	22.58	0.181
				50	50	22.83	22.58	0.181
				100	0	22.94	22.69	0.186
	2610	38150		1	0	23.47	23.22	0.210
				1	49	23.27	23.02	0.200
				1	99	23.27	23.02	0.200
				50	0	23.02	22.77	0.189
				50	24	22.91	22.66	0.185
				50	50	22.92	22.67	0.185
				100	0	22.92	22.67	0.185

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2580	37850	20	1	0	23.03	22.78	0.190
				1	49	23.03	22.78	0.190
				1	99	23.04	22.79	0.190
				50	0	23.03	22.78	0.190
				50	24	23.03	22.78	0.190
				50	50	23.04	22.79	0.190
				100	0	23.04	22.79	0.190
	2595	38000		1	0	22.94	22.69	0.186
				1	49	22.93	22.68	0.185
				1	99	22.94	22.69	0.186
				50	0	22.94	22.69	0.186
				50	24	22.94	22.69	0.186
				50	50	22.94	22.69	0.186
				100	0	22.94	22.69	0.186
	2610	38150		1	0	22.92	22.67	0.185
				1	49	22.92	22.67	0.185
				1	99	22.92	22.67	0.185
				50	0	22.77	22.52	0.179
				50	24	22.77	22.52	0.179
				50	50	22.77	22.52	0.179
				100	0	22.78	22.53	0.179