

Fig.1

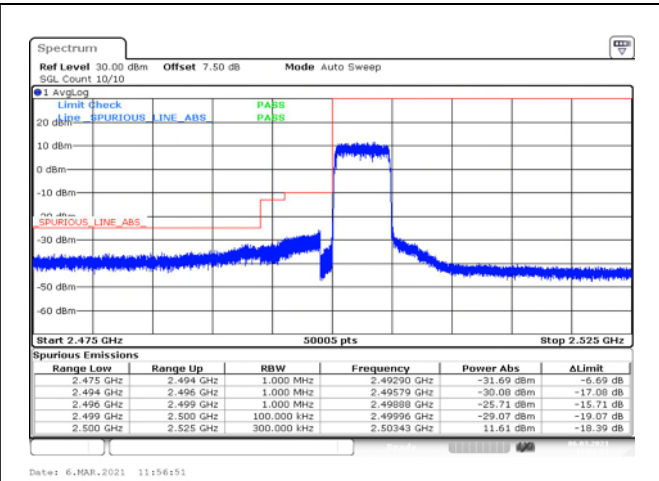


Fig.2

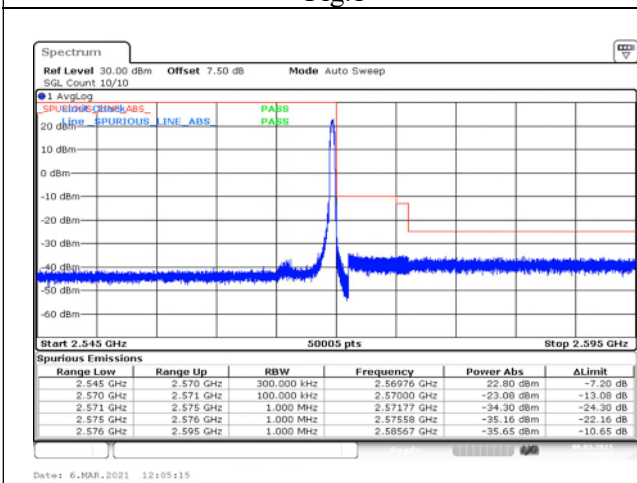


Fig.3

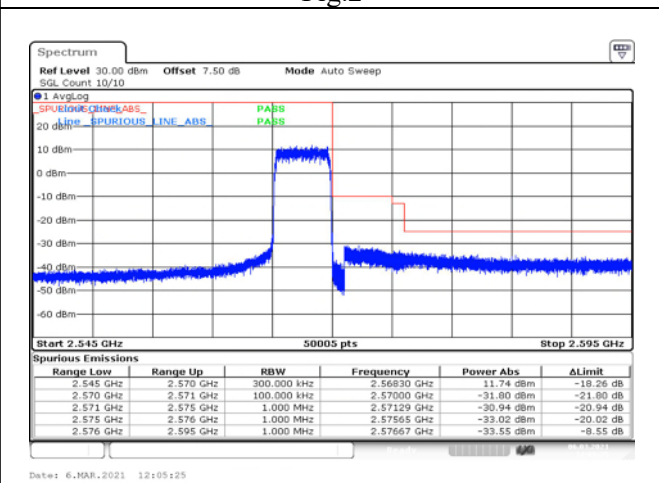


Fig.4

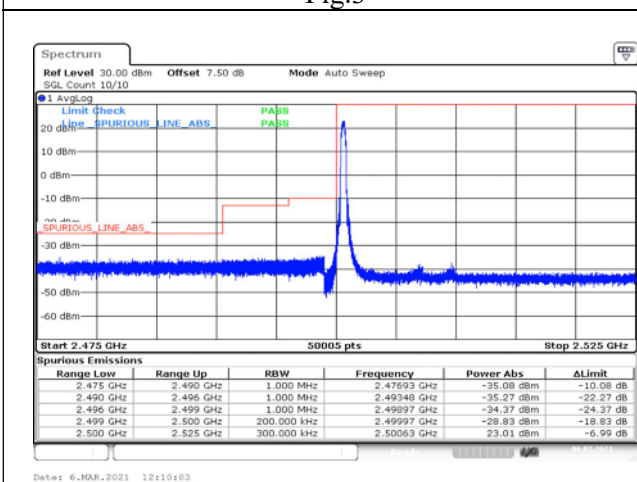


Fig.5

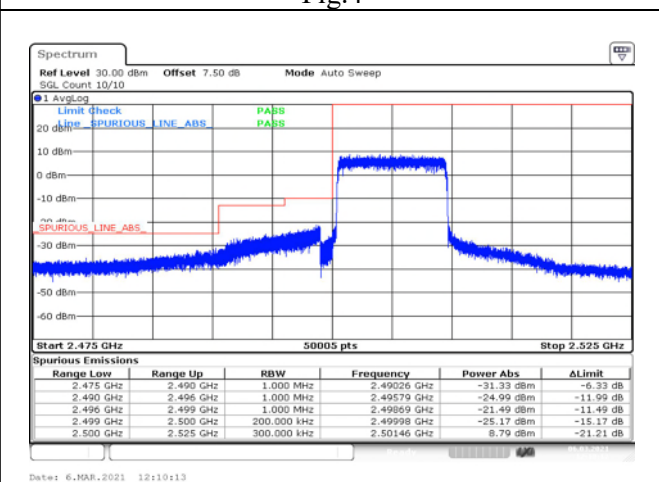


Fig.6

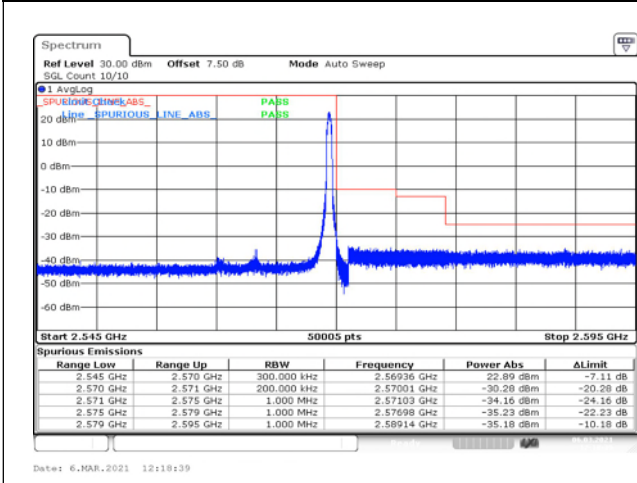


Fig.7

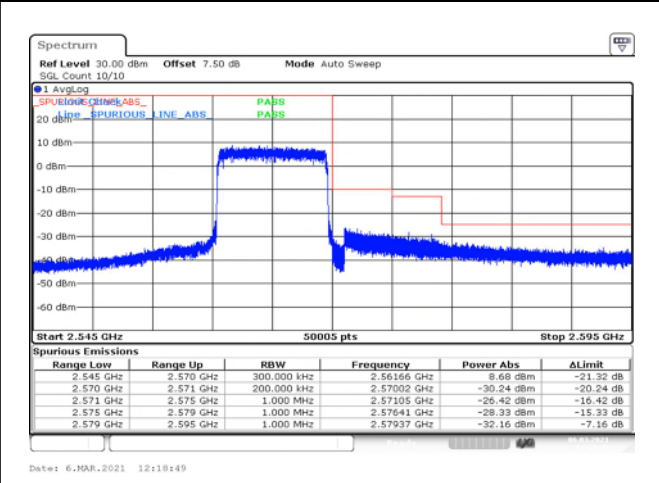


Fig.8

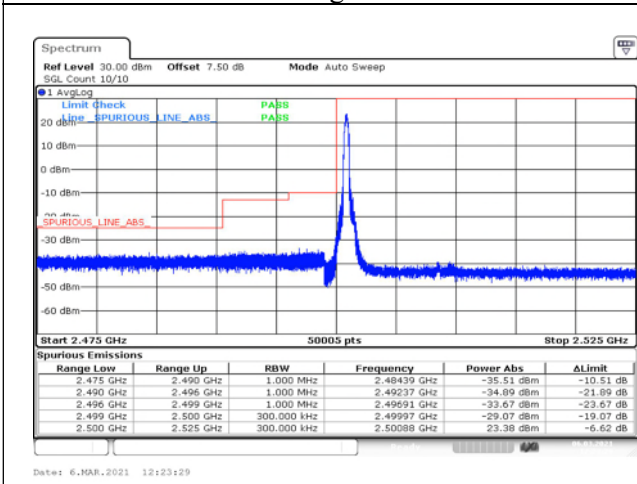


Fig.9

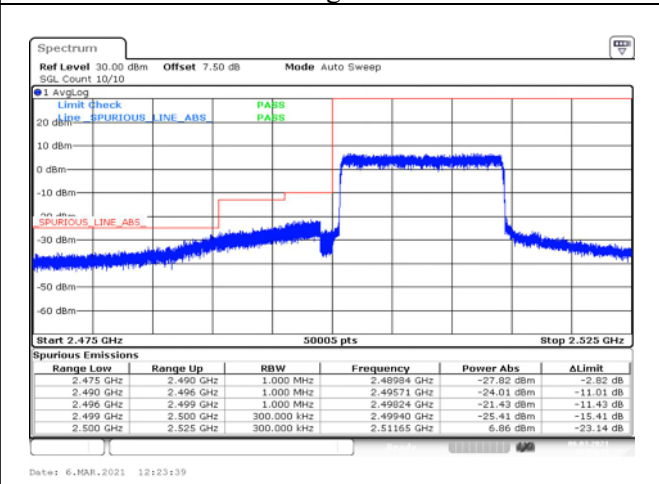


Fig.10

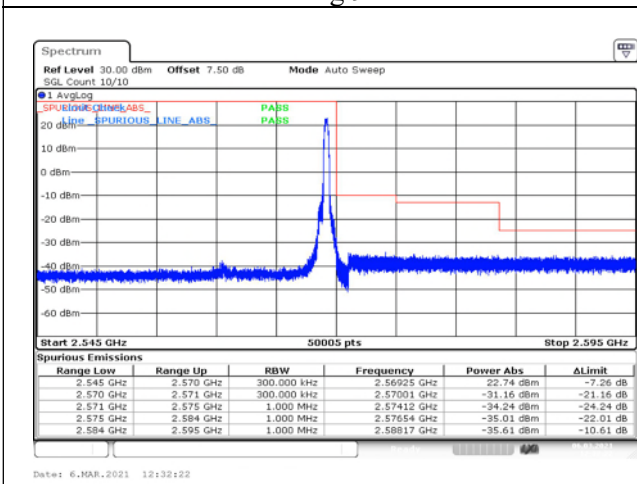


Fig.11

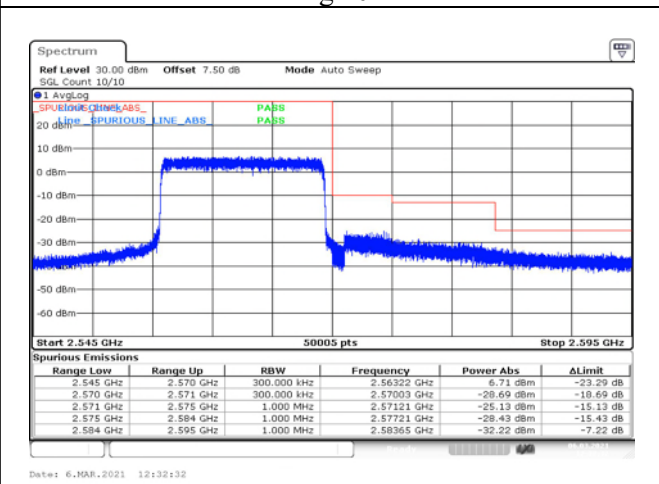


Fig.12

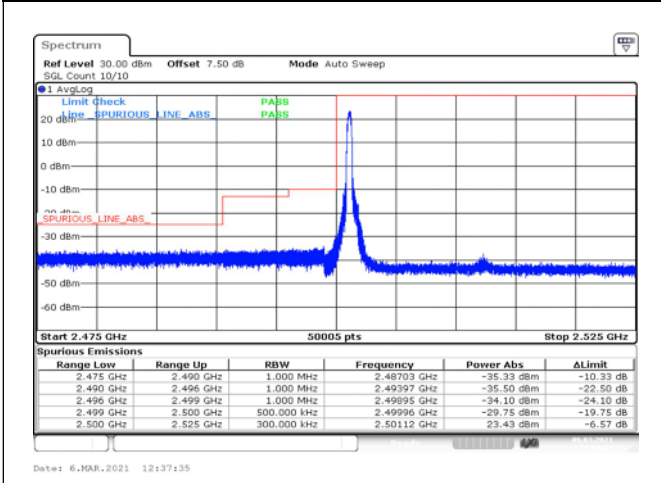


Fig.13

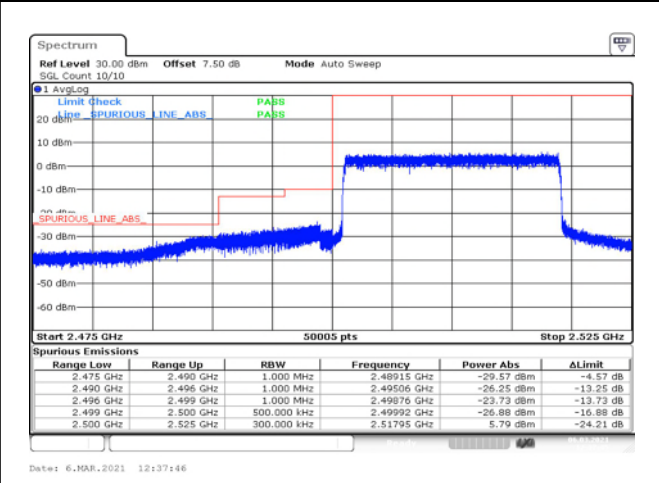


Fig.14

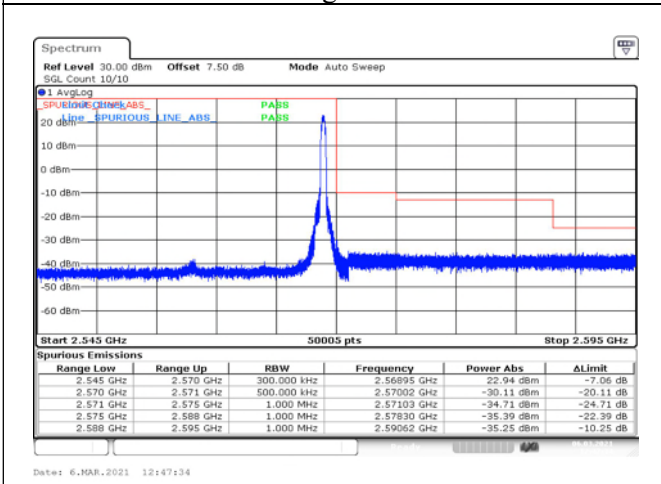


Fig.15

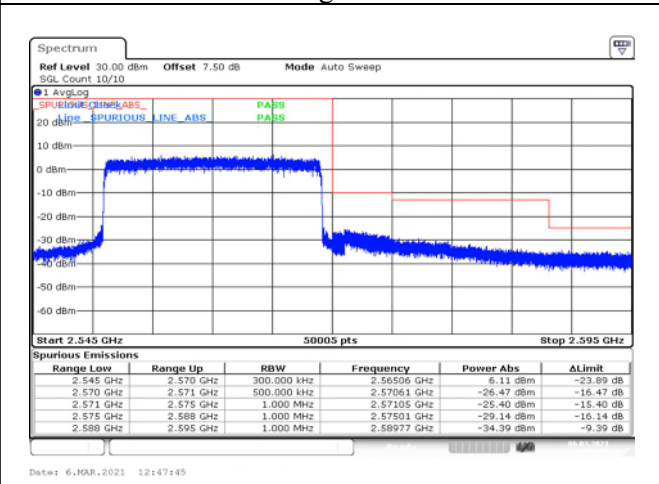


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	0.002	0.003	0.003	-0.003
-20	NV	---	---	0.002	-0.003	-0.002	-0.006
-10	NV	---	---	-0.001	0.001	-0.001	0.000
0	NV	---	---	0.005	-0.002	0.003	-0.002
+10	NV	---	---	0.002	0.003	0.003	-0.003
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	0.000	0.003	0.002	-0.002
+40	NV	---	---	0.002	0.002	0.004	-0.001
+50	NV	---	---	-0.001	-0.002	0.005	0.000
+20	LV	---	---	0.001	0.001	0.002	-0.006
+20	HV	---	---	0.001	0.000	0.003	-0.004

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	0.000	0.002	0.002	0.000
-20	NV	---	---	-0.004	-0.001	0.000	0.004
-10	NV	---	---	-0.004	-0.001	0.003	0.000
0	NV	---	---	-0.004	-0.001	0.000	0.004
+10	NV	---	---	-0.004	0.002	0.001	0.000
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	0.000	0.000	0.001	0.000
+40	NV	---	---	-0.002	0.001	-0.001	0.004
+50	NV	---	---	-0.003	-0.002	0.000	-0.002
+20	LV	---	---	-0.004	0.003	0.004	-0.001
+20	HV	---	---	-0.001	0.000	-0.002	0.003

### 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	22.39	19.49	0.089
				1	12	22.15	19.25	0.084
				1	24	22.22	19.32	0.086
				12	0	21.34	18.44	0.070
				12	7	21.34	18.44	0.070
				12	13	21.34	18.44	0.070
				25	0	20.32	17.42	0.055
	2535	21100		1	0	22.37	19.47	0.089
				1	12	22.12	19.22	0.084
				1	24	22.20	19.30	0.085
				12	0	21.33	18.43	0.070
				12	7	21.33	18.43	0.070
				12	13	21.32	18.42	0.070
				25	0	20.30	17.40	0.055
	2567.5	21425		1	0	22.39	19.49	0.089
				1	12	22.23	19.33	0.086
				1	24	22.29	19.39	0.087
				12	0	21.34	18.44	0.070
				12	7	21.32	18.42	0.070
				12	13	21.32	18.42	0.070
				25	0	20.35	17.45	0.056
16QAM	2502.5	20775	1	0	21.62	18.72	0.074	
			1	12	21.58	18.68	0.074	
			1	24	21.48	18.58	0.072	
			12	0	20.45	17.55	0.057	
			12	7	20.37	17.47	0.056	
			12	13	20.37	17.47	0.056	
			25	0	19.26	16.36	0.043	
	2535	21100	1	0	21.31	18.41	0.069	
			1	12	21.54	18.64	0.073	
			1	24	21.41	18.51	0.071	
			12	0	20.40	17.50	0.056	
			12	7	20.52	17.62	0.058	
			12	13	20.52	17.62	0.058	
			25	0	19.45	16.55	0.045	
	2567.5	21425	1	0	21.72	18.82	0.076	
			1	12	21.49	18.59	0.072	
			1	24	21.59	18.69	0.074	
			12	0	20.44	17.54	0.057	
			12	7	20.37	17.47	0.056	
			12	13	20.38	17.48	0.056	
			25	0	19.27	16.37	0.043	

Modulation	Carrier frequency (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	20.29	17.39	0.055
				1	12	20.32	17.42	0.055
				1	24	20.36	17.46	0.056
				12	0	19.40	16.50	0.045
				12	7	19.39	16.49	0.045
				12	13	19.35	16.45	0.044
				25	0	18.31	15.41	0.035
	2535	21100		1	0	20.46	17.56	0.057
				1	12	20.48	17.58	0.057
				1	24	20.50	17.60	0.058
				12	0	19.49	16.59	0.046
				12	7	19.38	16.48	0.044
				12	13	19.40	16.50	0.045
				25	0	18.44	15.54	0.036
	2567.5	21425		1	0	20.33	17.43	0.055
				1	12	20.34	17.44	0.055
				1	24	20.37	17.47	0.056
				12	0	19.33	16.43	0.044
				12	7	19.36	16.46	0.044
				12	13	19.36	16.46	0.044
				25	0	18.35	15.45	0.035

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	22.39	19.49	0.089
				1	25	22.30	19.40	0.087
				1	49	22.17	19.27	0.085
				25	0	21.38	18.48	0.070
				25	12	21.35	18.45	0.070
				25	25	21.42	18.52	0.071
	50	0		20.45	17.55	0.057		
	1	0		22.27	19.37	0.086		
	1	25		22.34	19.44	0.088		
	1	49		22.46	19.56	0.090		
	25	0		21.45	18.55	0.072		
	25	12		21.49	18.59	0.072		
	25	25		21.49	18.59	0.072		
	50	0		20.41	17.51	0.056		
	1	0		22.37	19.47	0.089		
	1	25		22.32	19.42	0.087		
	1	49		22.15	19.25	0.084		
	25	0		21.39	18.49	0.071		
25	12	21.33	18.43	0.070				
25	25	21.41	18.51	0.071				
50	0	20.40	17.50	0.056				
16QAM	2505	20800	1	0	21.43	18.53	0.071	
			1	25	21.47	18.57	0.072	
			1	49	21.34	18.44	0.070	
			25	0	20.27	17.37	0.055	
			25	12	20.25	17.35	0.054	
			25	25	20.26	17.36	0.054	
	50	0	19.21	16.31	0.043			
	1	0	21.41	18.51	0.071			
	1	25	21.42	18.52	0.071			
	1	49	21.41	18.51	0.071			
	25	0	20.32	17.42	0.055			
	25	12	20.31	17.41	0.055			
	25	25	20.19	17.29	0.054			
	50	0	19.19	16.29	0.043			
	1	0	21.49	18.59	0.072			
	1	25	21.48	18.58	0.072			
	1	49	21.45	18.55	0.072			
	25	0	20.21	17.31	0.054			
25	12	20.24	17.34	0.054				
25	25	20.22	17.32	0.054				
50	0	19.27	16.37	0.043				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	2505	20800	10	1	0	20.43	17.53	0.057	
				1	25	20.42	17.52	0.056	
				1	49	20.42	17.52	0.056	
				25	0	19.43	16.53	0.045	
				25	12	19.42	16.52	0.045	
				25	25	19.42	16.52	0.045	
	2535	21100		50	0	18.38	15.48	0.035	
				1	0	20.41	17.51	0.056	
				1	25	20.45	17.55	0.057	
				1	49	20.49	17.59	0.057	
				25	0	19.46	16.56	0.045	
				25	12	19.44	16.54	0.045	
	2565	21400		25	25	19.53	16.63	0.046	
				50	0	18.47	15.57	0.036	
				1	0	20.37	17.47	0.056	
				1	25	20.31	17.41	0.055	
				1	49	20.37	17.47	0.056	
				25	0	19.33	16.43	0.044	
					25	12	19.29	16.39	0.044
					25	25	19.35	16.45	0.044
					50	0	18.40	15.50	0.035



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	22.30	19.40	0.087
				1	37	22.24	19.34	0.086
				1	74	22.33	19.43	0.088
				36	0	21.35	18.45	0.070
				36	29	21.35	18.45	0.070
				36	30	21.39	18.49	0.071
				75	0	20.36	17.46	0.056
	2535	21100		1	0	22.53	19.63	0.092
				1	37	22.44	19.54	0.090
				1	74	22.41	19.51	0.089
				36	0	21.43	18.53	0.071
				36	29	21.45	18.55	0.072
				36	30	21.55	18.65	0.073
				75	0	20.40	17.50	0.056
	2562.5	21375		1	0	22.44	19.54	0.090
				1	37	22.28	19.38	0.087
				1	74	22.25	19.35	0.086
				36	0	21.39	18.49	0.071
				36	29	21.42	18.52	0.071
				36	30	21.30	18.40	0.069
				75	0	20.42	17.52	0.056
16QAM	2507.5	20825	1	0	22.02	19.12	0.082	
			1	37	21.89	18.99	0.079	
			1	74	22.12	19.22	0.084	
			36	0	20.39	17.49	0.056	
			36	29	20.39	17.49	0.056	
			36	30	20.36	17.46	0.056	
			75	0	19.46	16.56	0.045	
	2535	21100	1	0	21.85	18.95	0.079	
			1	37	21.71	18.81	0.076	
			1	74	21.71	18.81	0.076	
			36	0	20.48	17.58	0.057	
			36	29	20.55	17.65	0.058	
			36	30	20.53	17.63	0.058	
			75	0	19.43	16.53	0.045	
	2562.5	21375	1	0	22.03	19.13	0.082	
			1	37	21.84	18.94	0.078	
			1	74	21.74	18.84	0.077	
			36	0	20.39	17.49	0.056	
			36	29	20.44	17.54	0.057	
			36	30	20.42	17.52	0.056	
			75	0	19.45	16.55	0.045	

Modulation	Carrier frequency (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	20.46	17.56	0.057
				1	37	20.46	17.56	0.057
				1	74	20.40	17.50	0.056
				36	0	19.37	16.47	0.044
				36	29	19.39	16.49	0.045
				36	30	19.40	16.50	0.045
				75	0	18.46	15.56	0.036
	2535	21100		1	0	20.43	17.53	0.057
				1	37	20.43	17.53	0.057
				1	74	20.41	17.51	0.056
				36	0	19.44	16.54	0.045
				36	29	19.44	16.54	0.045
				36	30	19.38	16.48	0.044
				75	0	18.47	15.57	0.036
	2562.5	21375		1	0	20.43	17.53	0.057
				1	37	20.42	17.52	0.056
				1	74	20.41	17.51	0.056
				36	0	19.44	16.54	0.045
				36	29	19.37	16.47	0.044
				36	30	19.43	16.53	0.045
				75	0	18.47	15.57	0.036

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	22.34	19.44	0.088
				1	49	22.34	19.44	0.088
				1	99	22.35	19.45	0.088
				50	0	21.35	18.45	0.070
				50	24	21.40	18.50	0.071
				50	50	21.40	18.50	0.071
	100	0		20.44	17.54	0.057		
	2535	21100		1	0	22.53	19.63	0.092
				1	49	22.58	19.68	0.093
				1	99	22.42	19.52	0.090
				50	0	21.46	18.56	0.072
				50	24	21.49	18.59	0.072
				50	50	21.47	18.57	0.072
	100	0		20.42	17.52	0.056		
	2560	21350		1	0	22.47	19.57	0.091
				1	49	22.42	19.52	0.090
				1	99	22.41	19.51	0.089
				50	0	21.48	18.58	0.072
50			24	21.45	18.55	0.072		
50			50	21.44	18.54	0.071		
100	0	20.46	17.56	0.057				
16QAM	2510	20850	1	0	21.67	18.77	0.075	
			1	49	21.53	18.63	0.073	
			1	99	21.67	18.77	0.075	
			50	0	20.31	17.41	0.055	
			50	24	20.40	17.50	0.056	
			50	50	20.41	17.51	0.056	
	100	0	19.48	16.58	0.045			
	2535	21100	1	0	21.76	18.86	0.077	
			1	49	21.77	18.87	0.077	
			1	99	21.76	18.86	0.077	
			50	0	20.46	17.56	0.057	
			50	24	20.48	17.58	0.057	
			50	50	20.53	17.63	0.058	
	100	0	19.43	16.53	0.045			
	2560	21350	1	0	21.77	18.87	0.077	
			1	49	21.68	18.78	0.076	
			1	99	21.64	18.74	0.075	
			50	0	20.45	17.55	0.057	
50			24	20.48	17.58	0.057		
50			50	20.42	17.52	0.056		
100	0	19.48	16.58	0.045				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2510	20850	20	1	0	20.48	17.58	0.057
				1	49	20.48	17.58	0.057
				1	99	20.35	17.45	0.056
				50	0	19.42	16.52	0.045
				50	24	19.45	16.55	0.045
				50	50	19.48	16.58	0.045
				100	0	18.45	15.55	0.036
	2535	21100		1	0	20.43	17.53	0.057
				1	49	20.44	17.54	0.057
				1	99	20.44	17.54	0.057
				50	0	19.41	16.51	0.045
				50	24	19.44	16.54	0.045
				50	50	19.46	16.56	0.045
				100	0	18.39	15.49	0.035
	2560	21350		1	0	20.41	17.51	0.056
				1	49	20.42	17.52	0.056
				1	99	20.50	17.60	0.058
				50	0	19.42	16.52	0.045
				50	24	19.41	16.51	0.045
				50	50	19.45	16.55	0.045
				100	0	18.43	15.53	0.036