

## 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	99	Fig.1
	2535	21100		1	99	Fig.2
	2560	21350		1	99	Fig.3

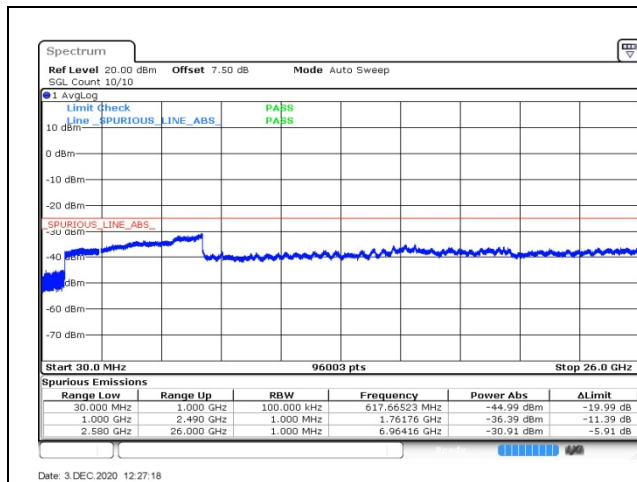


Fig.1

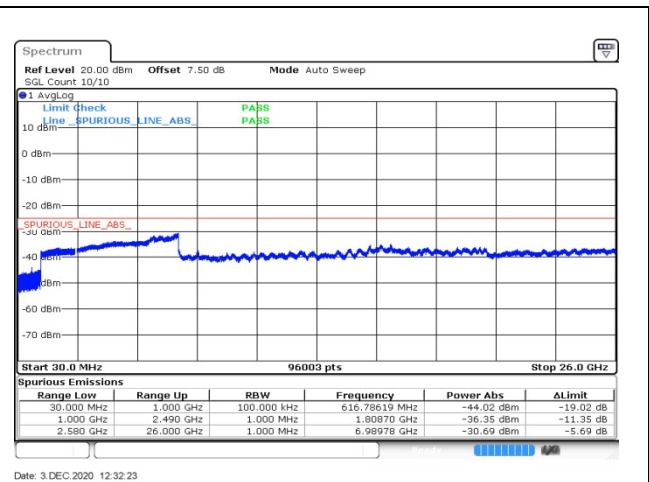


Fig.2

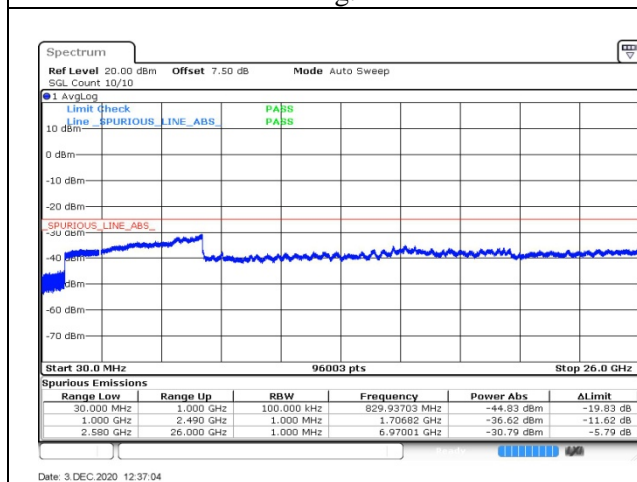


Fig.3

## 6 Band Edges Compliance

Band Edges Compliance						
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
7	2502.5	20775	5	1	0	Fig.1
				25	0	Fig.2
	2567.5	21425		1	24	Fig.3
				25	0	Fig.4
	2505	20800	10	1	0	Fig.5
				50	0	Fig.6
	2565	21400		1	49	Fig.7
				50	0	Fig.8
	2507.5	20825	15	1	0	Fig.9
				75	0	Fig.10
	2562.5	21375		1	74	Fig.11
				75	0	Fig.12
	2510	20850	20	1	0	Fig.13
				100	0	Fig.14
	2560	21350		1	99	Fig.15
				100	0	Fig.16

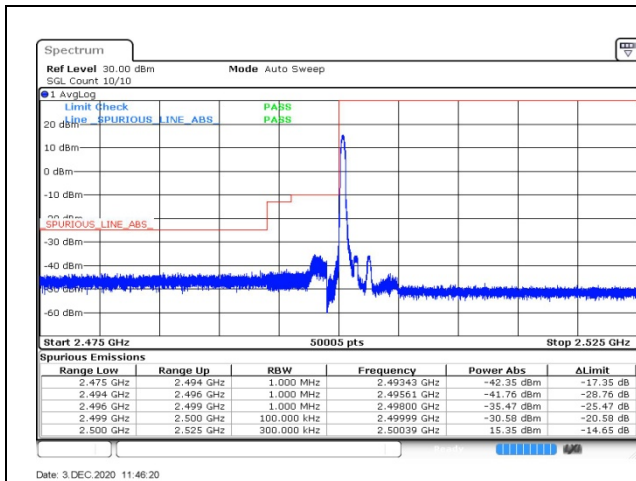


Fig.1

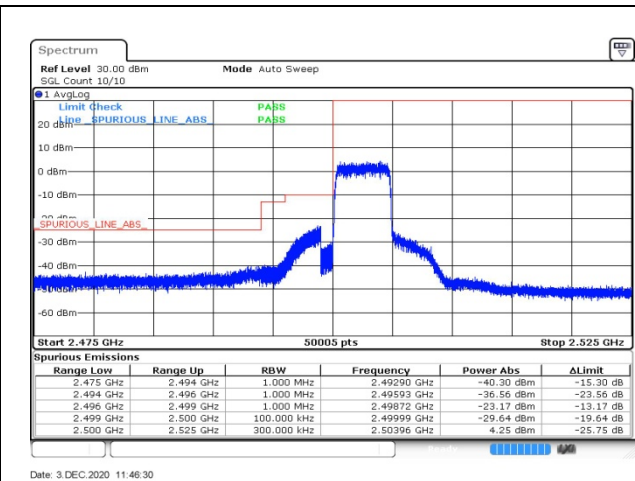


Fig.2

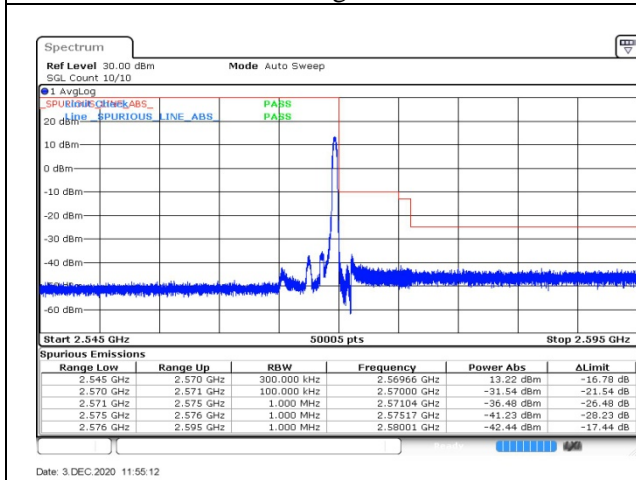


Fig.3

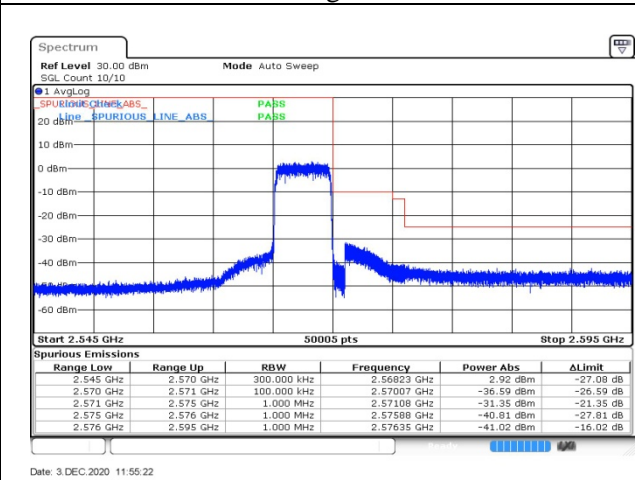


Fig.4

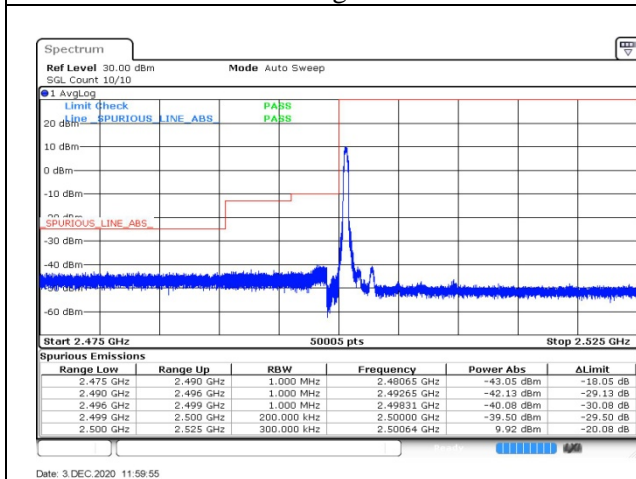


Fig.5

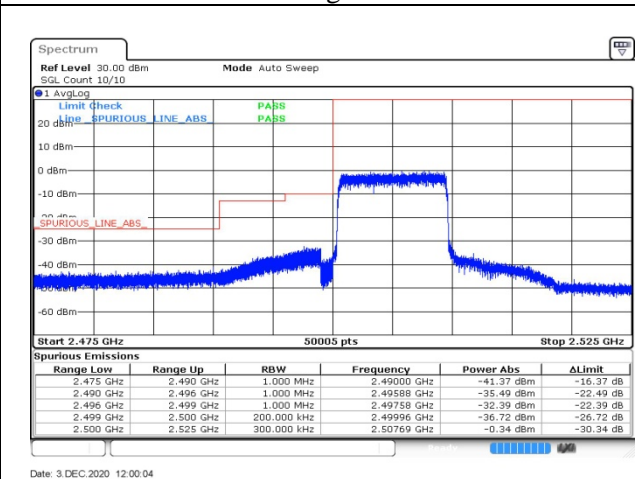


Fig.6

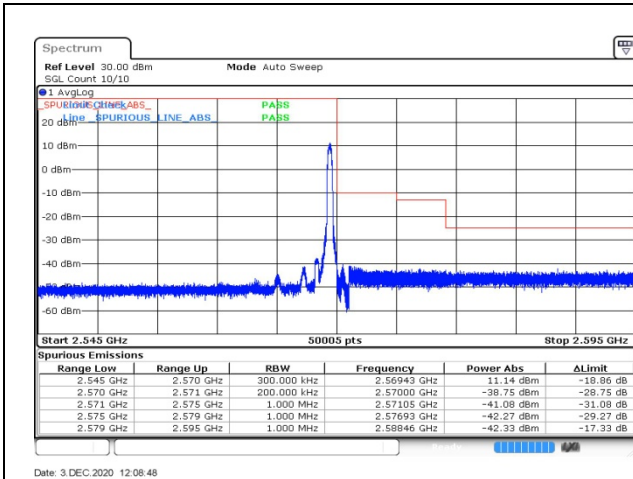


Fig.7

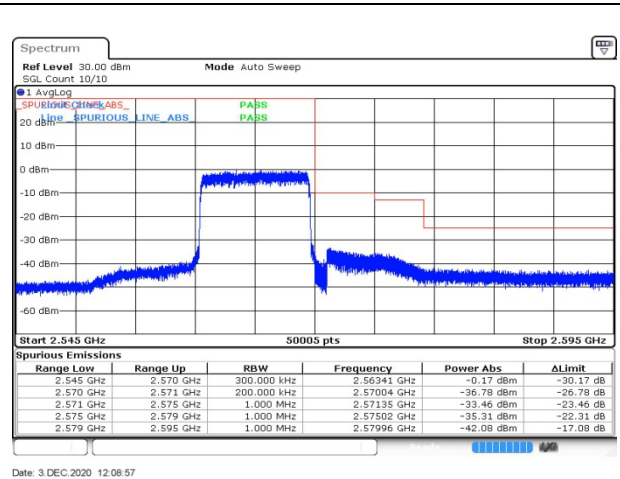


Fig.8

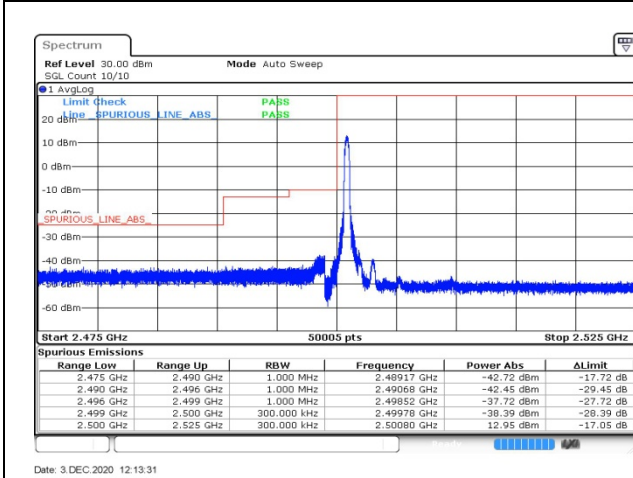


Fig.9

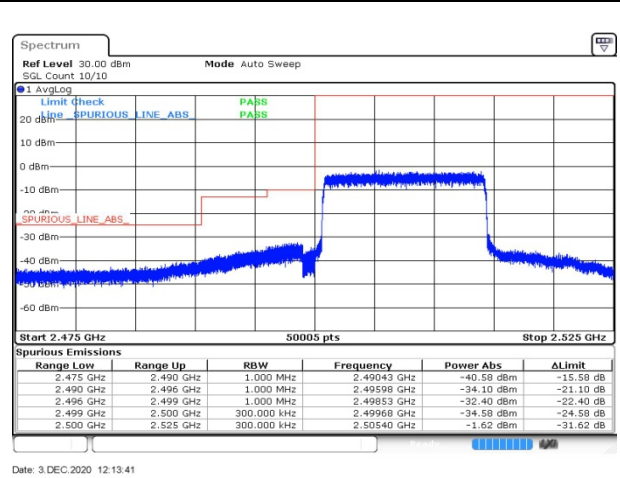


Fig.10

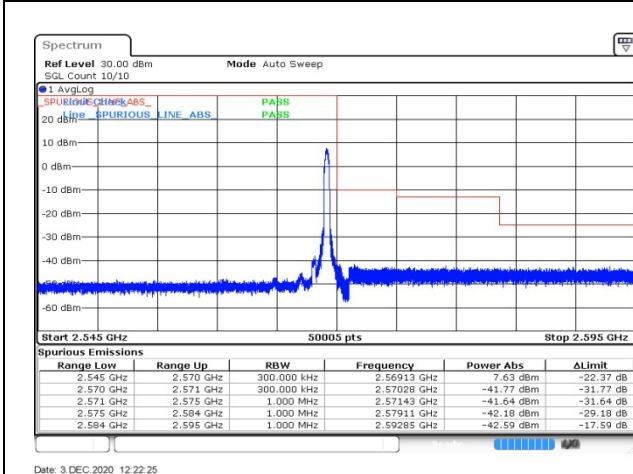


Fig.11

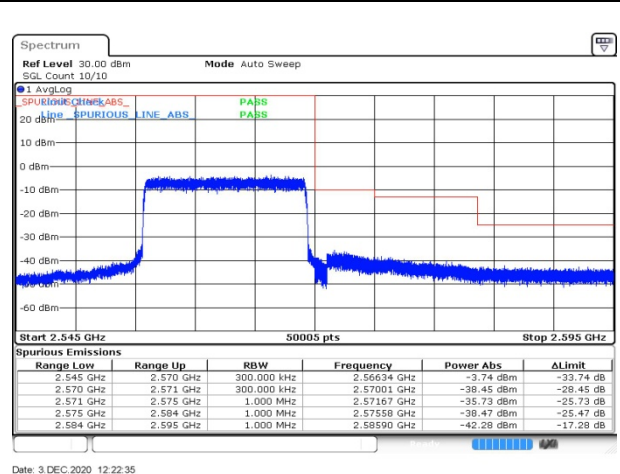


Fig.12

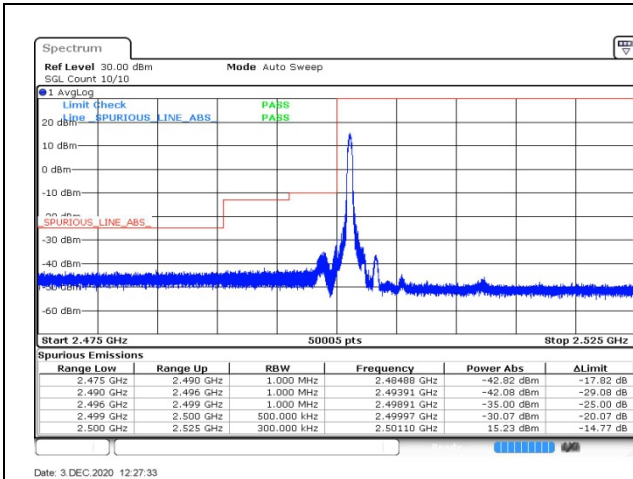


Fig.13

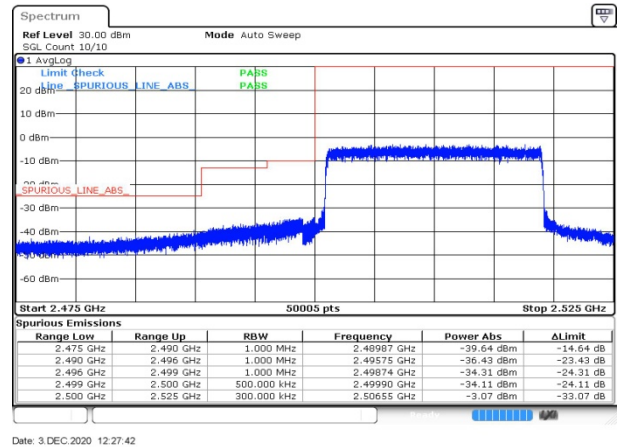


Fig.14

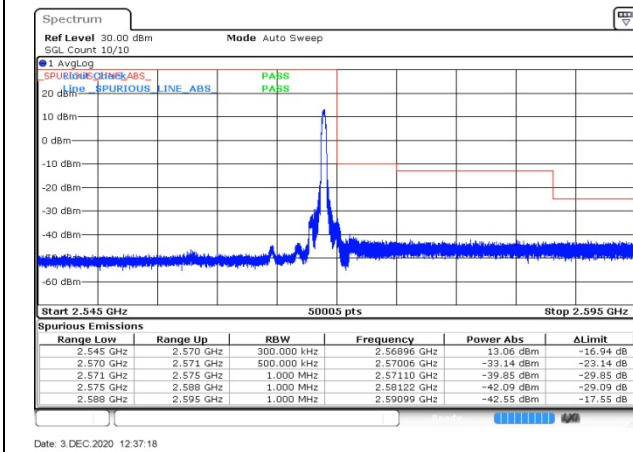


Fig.15

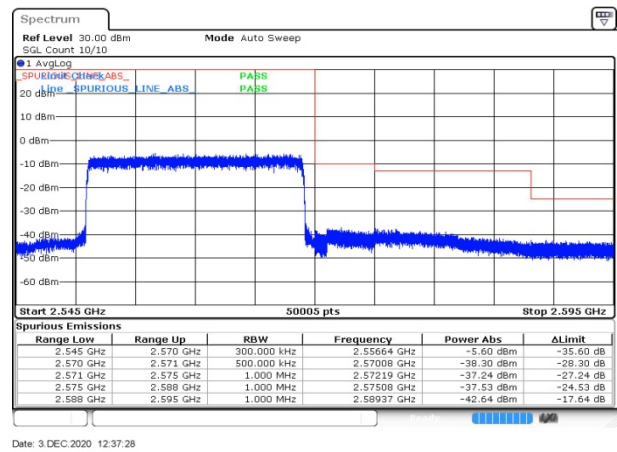


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel QPSK			
		5M	10M	15M	20M
-20	NV	0.006	-0.002	-0.004	-0.003
-10	NV	0.006	-0.002	0.000	-0.002
0	NV	0.002	-0.004	-0.005	-0.006
+10	NV	0.004	0.000	0.000	-0.003
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.005	-0.002	-0.003	0.000
+40	NV	0.006	0.000	-0.002	0.001
+50	NV	0.000	-0.001	-0.004	-0.002
+60	NV	0.003	-0.003	-0.003	0.002
+20	LV	0.005	-0.002	0.000	-0.003
+20	HV	0.005	-0.002	0.000	-0.003

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel QPSK			
		5M	10M	15M	20M
-20	NV	0.007	-0.001	0.001	0.000
-10	NV	0.004	0.001	0.001	-0.004
0	NV	0.004	0.005	0.003	0.000
+10	NV	0.007	0.006	0.005	-0.005
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.009	0.005	0.005	0.001
+40	NV	0.003	0.002	0.001	-0.002
+50	NV	0.006	0.001	0.001	0.000
+60	NV	0.008	0.003	0.001	-0.005
+20	LV	0.006	0.000	0.002	-0.001
+20	HV	0.006	0.000	0.002	-0.001

## 8 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	2502.5	20775	5	1	0	21.94	24.14	0.259
				1	12	21.88	24.08	0.256
				1	24	21.82	24.02	0.252
				12	0	20.93	23.13	0.206
				12	7	20.90	23.10	0.204
				12	13	20.88	23.08	0.203
				25	0	20.78	22.98	0.199
	2535	21100		1	0	21.99	24.19	0.262
				1	12	22.06	24.26	0.267
				1	24	22.04	24.24	0.265
				12	0	21.07	23.27	0.212
				12	7	21.07	23.27	0.212
				12	13	21.07	23.27	0.212
				25	0	21.05	23.25	0.211
	2567.5	21425		1	0	21.88	24.08	0.256
				1	12	21.86	24.06	0.255
				1	24	21.87	24.07	0.255
				12	0	20.89	23.09	0.204
				12	7	20.86	23.06	0.202
				12	13	20.83	23.03	0.201
				25	0	20.77	22.97	0.198
16QAM	2502.5	20775		1	0	20.89	23.09	0.204
				1	12	20.82	23.02	0.200
				1	24	20.85	23.05	0.202
				12	0	19.52	21.72	0.149
				12	7	19.59	21.79	0.151
				12	13	19.62	21.82	0.152
				25	0	19.65	21.85	0.153
	2535	21100	1	0	20.95	23.15	0.207	
			1	12	21.06	23.26	0.212	
			1	24	21.05	23.25	0.211	
			12	0	19.95	22.15	0.164	
			12	7	19.98	22.18	0.165	
			12	13	19.97	22.17	0.165	
			25	0	20.06	22.26	0.168	
	2567.5	21425	1	0	20.83	23.03	0.201	
			1	12	20.80	23.00	0.200	
			1	24	20.77	22.97	0.198	
			12	0	19.76	21.96	0.157	
			12	7	19.80	22.00	0.158	
			12	13	19.84	22.04	0.160	
			25	0	19.73	21.93	0.156	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2502.5	20775	5	1	0	19.96	22.16	0.164
				1	12	19.96	22.16	0.164
				1	24	19.90	22.10	0.162
				12	0	19.98	22.18	0.165
				12	7	19.90	22.10	0.162
				12	13	19.94	22.14	0.164
				25	0	19.94	22.14	0.164
	2535	21100		1	0	20.05	22.25	0.168
				1	12	20.06	22.26	0.168
				1	24	20.03	22.23	0.167
				12	0	20.04	22.24	0.167
				12	7	20.05	22.25	0.168
				12	13	20.04	22.24	0.167
				25	0	20.02	22.22	0.167
	2567.5	21425		1	0	19.81	22.01	0.159
				1	12	19.73	21.93	0.156
				1	24	19.47	21.67	0.147
				12	0	18.77	20.97	0.125
				12	7	18.69	20.89	0.123
				12	13	18.71	20.91	0.123
				25	0	18.68	20.88	0.122



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2505	20800	10	1	0	21.89	24.09	0.256	
				1	25	21.81	24.01	0.252	
				1	49	21.71	23.91	0.246	
				25	0	20.88	23.08	0.203	
				25	12	20.82	23.02	0.200	
				25	25	20.82	23.02	0.200	
				50	0	20.71	22.91	0.195	
	2535	21100		1	0	21.89	24.09	0.256	
				1	25	22.00	24.20	0.263	
				1	49	21.96	24.16	0.261	
				25	0	20.97	23.17	0.207	
				25	12	20.96	23.16	0.207	
				25	25	20.98	23.18	0.208	
				50	0	20.99	23.19	0.208	
	2565	21400		1	0	21.79	23.99	0.251	
				1	25	21.78	23.98	0.250	
				1	49	21.80	24.00	0.251	
				25	0	20.83	23.03	0.201	
				25	12	20.78	22.98	0.199	
				25	25	20.75	22.95	0.197	
				50	0	20.67	22.87	0.194	
	16QAM	2505		20800	1	0	20.80	23.00	0.200
					1	25	20.73	22.93	0.196
					1	49	20.78	22.98	0.199
25					0	19.42	21.62	0.145	
25					12	19.49	21.69	0.148	
25					25	19.57	21.77	0.150	
50					0	19.59	21.79	0.151	
2535		21100		1	0	20.90	23.10	0.204	
				1	25	21.01	23.21	0.209	
			1	49	21.00	23.20	0.209		
			25	0	19.84	22.04	0.160		
			25	12	19.92	22.12	0.163		
			25	25	19.92	22.12	0.163		
			50	0	20.00	22.20	0.166		
2565		21400	1	0	20.75	22.95	0.197		
			1	25	20.71	22.91	0.195		
			1	49	20.69	22.89	0.195		
			25	0	19.71	21.91	0.155		
			25	12	19.71	21.91	0.155		
			25	25	19.76	21.96	0.157		
			50	0	19.67	21.87	0.154		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2505	20800	10	1	0	19.90	22.10	0.162
				1	25	19.87	22.07	0.161
				1	49	19.79	21.99	0.158
				25	0	19.19	21.39	0.138
				25	12	19.08	21.28	0.134
				25	25	19.11	21.31	0.135
	2535	21100		50	0	19.13	21.33	0.136
				1	0	19.94	22.14	0.164
				1	25	19.99	22.19	0.166
				1	49	19.92	22.12	0.163
				25	0	19.93	22.13	0.163
				25	12	19.16	21.36	0.137
				25	25	19.17	21.37	0.137
				50	0	19.14	21.34	0.136
	2565	21400		1	0	19.16	21.36	0.137
				1	25	19.66	21.86	0.153
				1	49	19.37	21.57	0.144
				25	0	19.07	21.27	0.134
				25	12	19.03	21.23	0.133
				25	25	19.03	21.23	0.133
				50	0	19.09	21.29	0.135

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	22.02	24.22	0.264
				1	37	21.96	24.16	0.261
				1	74	21.85	24.05	0.254
				36	0	20.97	23.17	0.207
				36	29	20.97	23.17	0.207
				36	30	20.91	23.11	0.205
				75	0	20.82	23.02	0.200
	2535	21100		1	0	22.02	24.22	0.264
				1	37	22.10	24.30	0.269
				1	74	22.09	24.29	0.269
				36	0	21.10	23.30	0.214
				36	29	21.11	23.31	0.214
				36	30	21.12	23.32	0.215
				75	0	21.11	23.31	0.214
	2562.5	21375		1	0	21.91	24.11	0.258
				1	37	21.90	24.10	0.257
				1	74	21.94	24.14	0.259
				36	0	20.92	23.12	0.205
				36	29	20.93	23.13	0.206
				36	30	20.87	23.07	0.203
				75	0	20.84	23.04	0.201
16QAM	2507.5	20825	1	0	20.93	23.13	0.206	
			1	37	20.88	23.08	0.203	
			1	74	20.90	23.10	0.204	
			36	0	19.56	21.76	0.150	
			36	29	19.64	21.84	0.153	
			36	30	19.68	21.88	0.154	
			75	0	19.72	21.92	0.156	
	2535	21100	1	0	21.02	23.22	0.210	
			1	37	21.09	23.29	0.213	
			1	74	21.11	23.31	0.214	
			36	0	20.00	22.20	0.166	
			36	29	20.06	22.26	0.168	
			36	30	20.02	22.22	0.167	
			75	0	20.13	22.33	0.171	
	2562.5	21375	1	0	20.90	23.10	0.204	
			1	37	20.87	23.07	0.203	
			1	74	20.80	23.00	0.200	
			36	0	19.81	22.01	0.159	
			36	29	19.84	22.04	0.160	
			36	30	19.89	22.09	0.162	
			75	0	19.79	21.99	0.158	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2507.5	20825	15	1	0	20.04	22.24	0.167
				1	37	20.04	22.24	0.167
				1	74	19.96	22.16	0.164
				36	0	19.02	21.22	0.132
				36	29	19.08	21.28	0.134
				36	30	19.01	21.21	0.132
				75	0	19.05	21.25	0.133
	2535	21100		1	0	20.11	22.31	0.170
				1	37	20.10	22.30	0.170
				1	74	20.09	22.29	0.169
				36	0	19.09	21.29	0.135
				36	29	19.11	21.31	0.135
				36	30	19.10	21.30	0.135
				75	0	19.07	21.27	0.134
	2562.5	21375		1	0	19.87	22.07	0.161
				1	37	19.81	22.01	0.159
				1	74	19.51	21.71	0.148
				36	0	19.03	21.23	0.133
				36	29	19.02	21.22	0.132
				36	30	19.05	21.25	0.133
				75	0	19.04	21.24	0.133

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2510	20850	20	1	0	22.09	24.29	0.269	
				1	49	22.01	24.21	0.264	
				1	99	21.97	24.17	0.261	
				50	0	21.05	23.25	0.211	
				50	24	21.05	23.25	0.211	
				50	50	21.03	23.23	0.210	
	100	0		20.90	23.10	0.204			
	2535	21100		1	0	22.12	24.32	0.270	
				1	49	22.17	24.37	0.274	
				1	99	22.17	24.37	0.274	
				50	0	21.19	23.39	0.218	
				50	24	21.21	23.41	0.219	
				50	50	21.20	23.40	0.219	
	100	0		21.17	23.37	0.217			
	2560	21350		1	0	22.00	24.20	0.263	
				1	49	22.01	24.21	0.264	
				1	99	21.98	24.18	0.262	
				50	0	21.02	23.22	0.210	
				50	24	20.98	23.18	0.208	
				50	50	20.97	23.17	0.207	
	16QAM	2510		20850	100	0	20.91	23.11	0.205
					1	0	21.00	23.20	0.209
					1	49	20.95	23.15	0.207
					1	99	20.97	23.17	0.207
50					0	19.66	21.86	0.153	
50					24	19.71	21.91	0.155	
50		50		19.75	21.95	0.157			
100		0		19.77	21.97	0.157			
2535		21100		1	0	21.08	23.28	0.213	
				1	49	21.20	23.40	0.219	
			1	99	21.16	23.36	0.217		
			50	0	20.09	22.29	0.169		
			50	24	20.09	22.29	0.169		
			50	50	20.08	22.28	0.169		
100		0	20.18	22.38	0.173				
2560		21350	1	0	20.94	23.14	0.206		
			1	49	20.93	23.13	0.206		
			1	99	20.88	23.08	0.203		
			50	0	19.87	22.07	0.161		
			50	24	19.93	22.13	0.163		
			50	50	19.97	22.17	0.165		
100		0	19.84	22.04	0.160				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2510	20850	20	1	0	20.09	22.29	0.169
				1	49	20.11	22.31	0.170
				1	99	20.04	22.24	0.167
				50	0	19.10	21.30	0.135
				50	24	19.05	21.25	0.133
				50	50	19.06	21.26	0.134
	100	0		19.06	21.26	0.134		
	2535	21100		1	0	20.20	22.40	0.174
				1	49	20.18	22.38	0.173
				1	99	20.15	22.35	0.172
				50	0	19.16	21.36	0.137
				50	24	19.18	21.38	0.137
				50	50	19.18	21.38	0.137
	100	0		19.16	21.36	0.137		
	2560	21350		1	0	19.94	22.14	0.164
				1	49	19.85	22.05	0.160
				1	99	19.60	21.80	0.151
				50	0	19.01	21.21	0.132
				50	24	19.00	21.20	0.132
				50	50	19.06	21.26	0.134
				100	0	19.09	21.29	0.135