

Fig.61

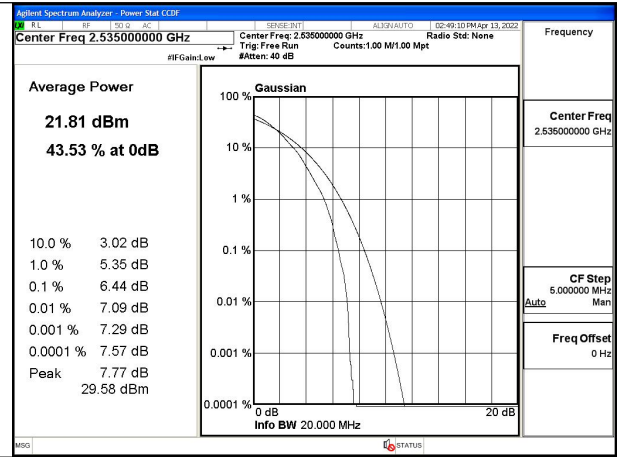


Fig.62

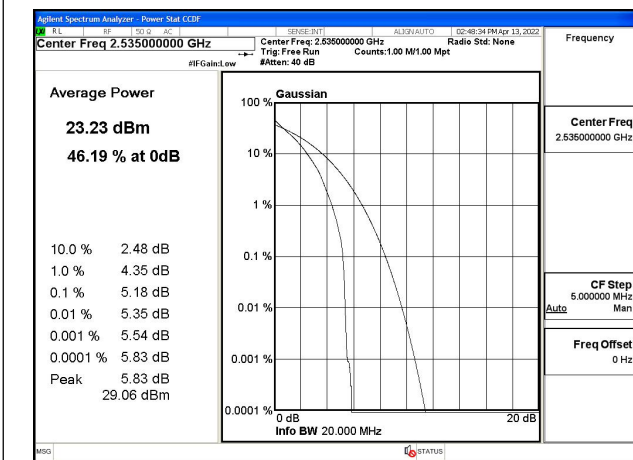


Fig.63

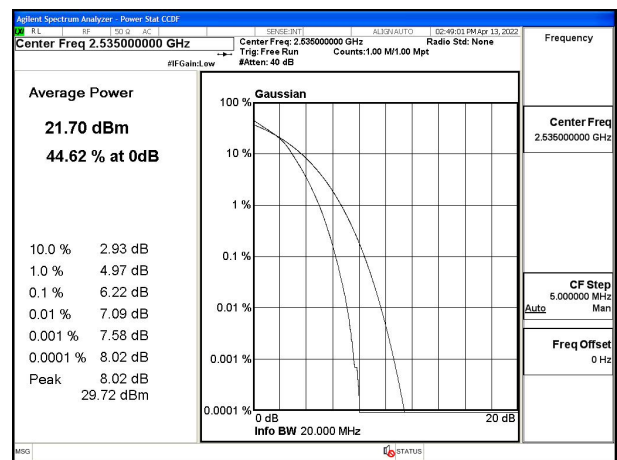


Fig.64

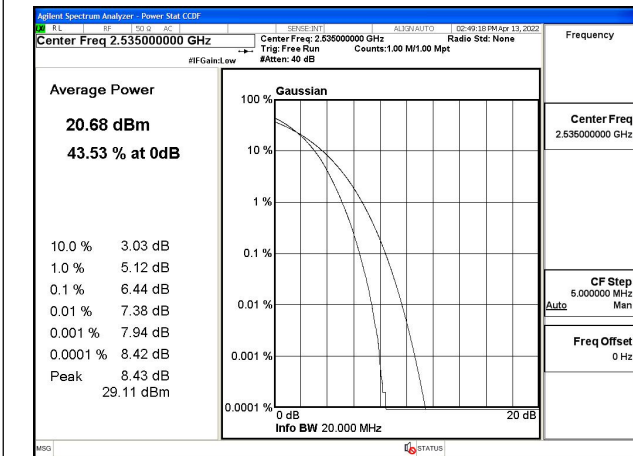


Fig.65

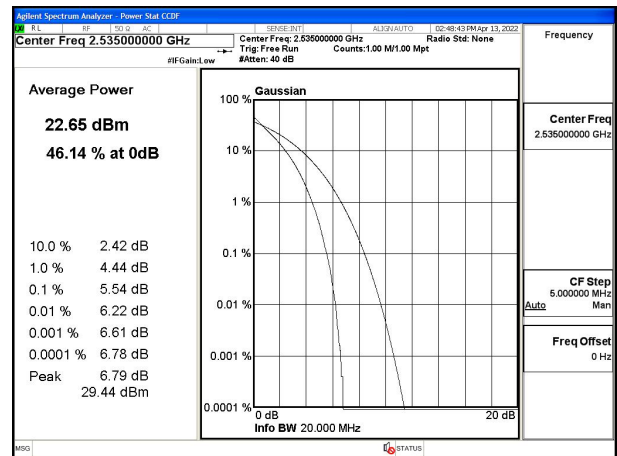


Fig.66

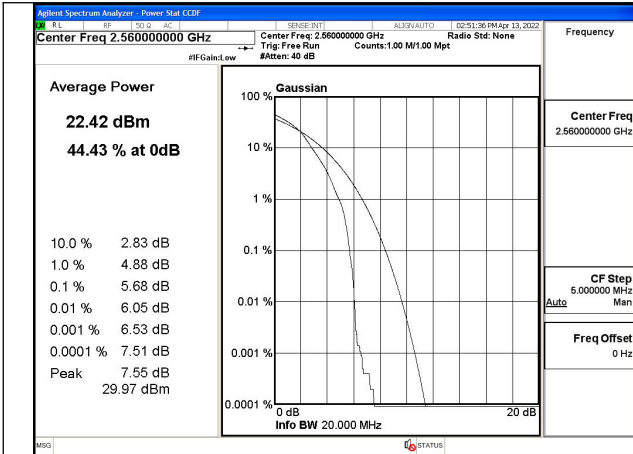


Fig.67

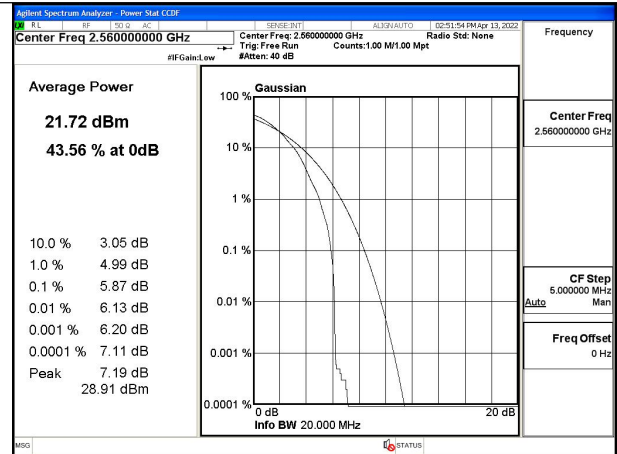


Fig.68

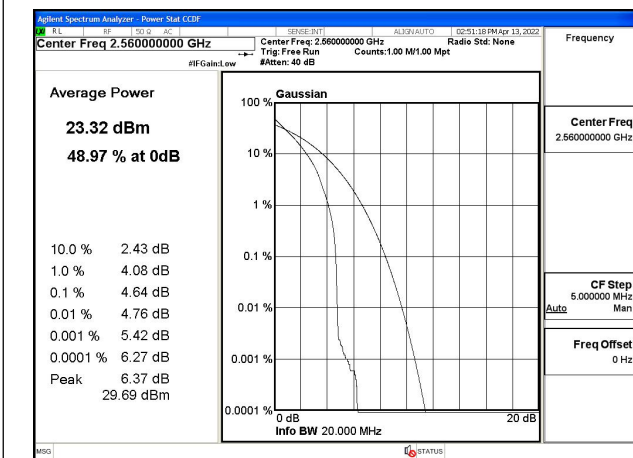


Fig.69

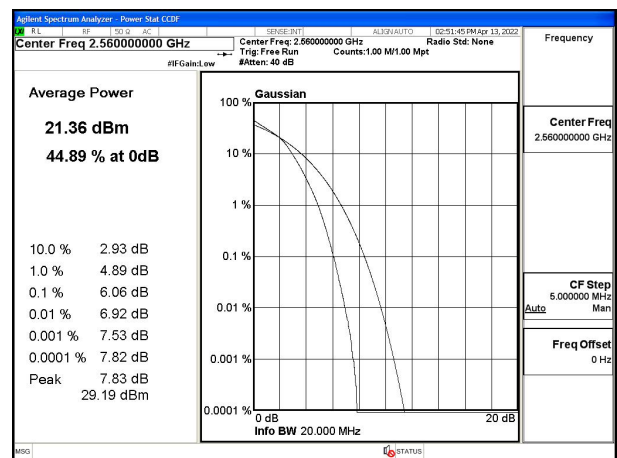


Fig.70

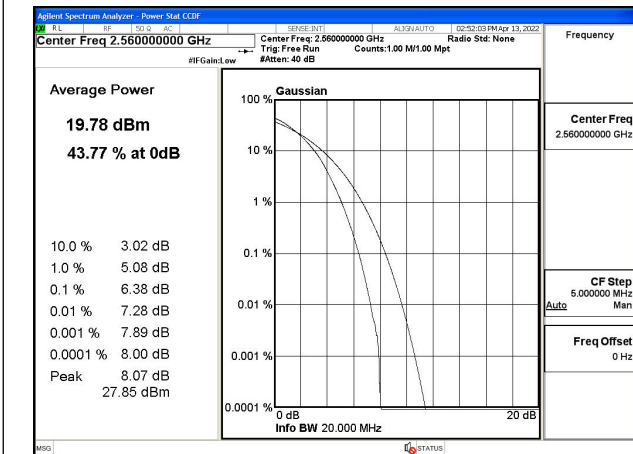


Fig.71

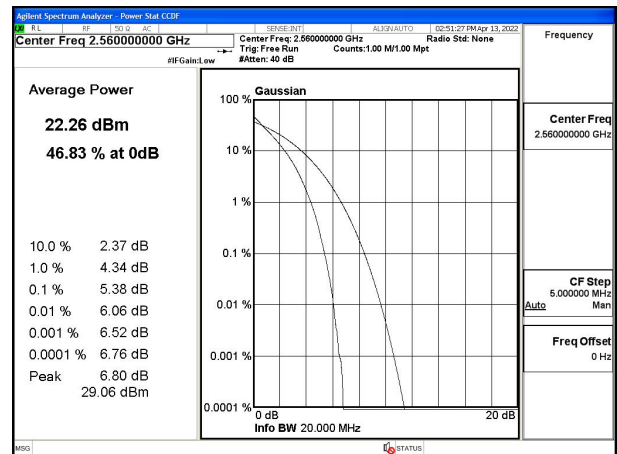


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
7	2535	21100	20	1	0	Fig.2
7	2560	21350	20	1	0	Fig.3

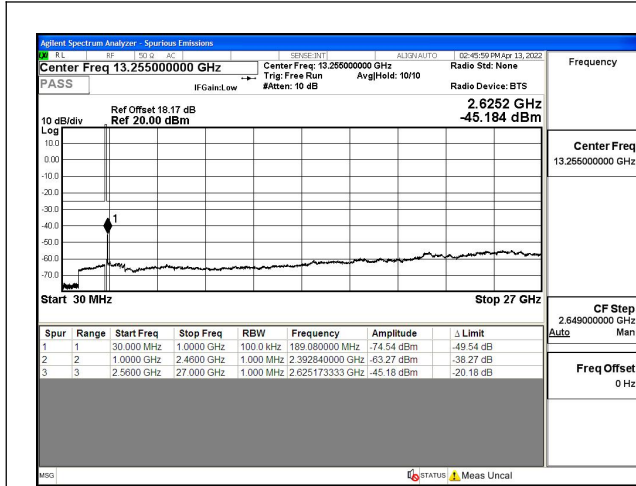


Fig.1

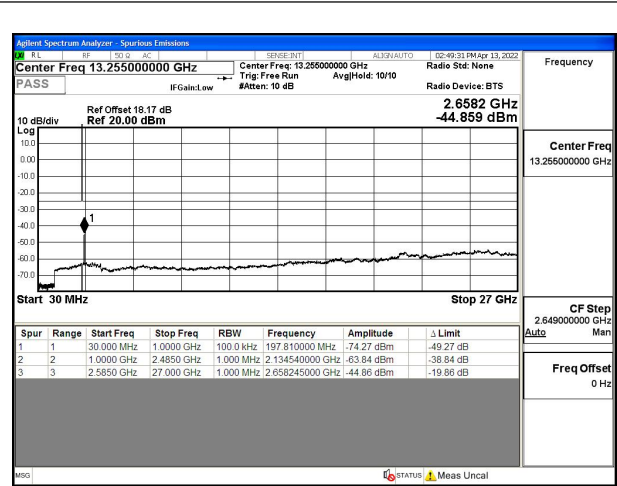


Fig.2

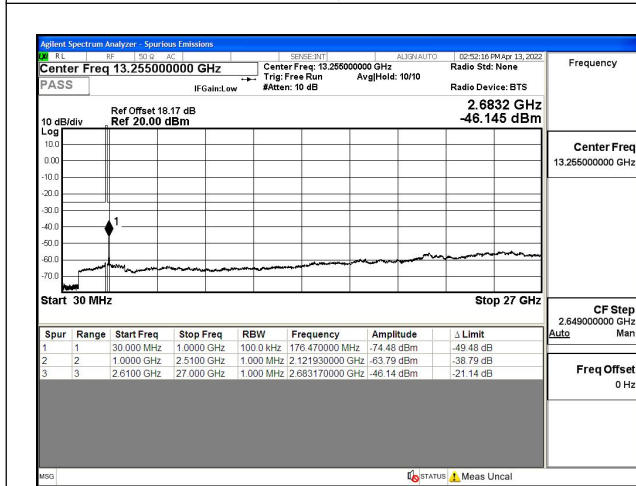


Fig.3

6 Band Edges Compliance

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

Test Mode: QPSK

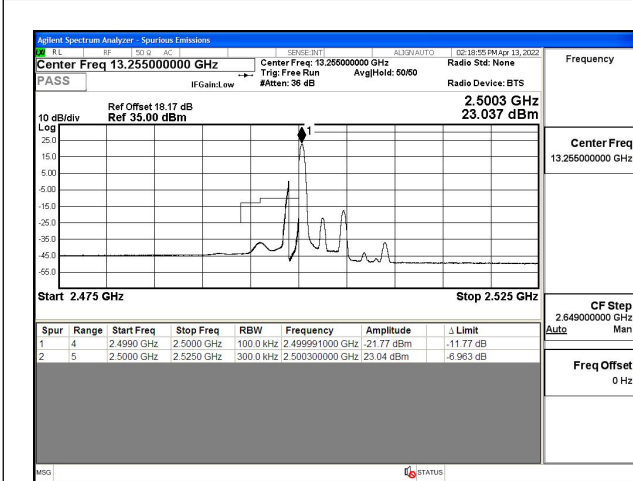


Fig.1

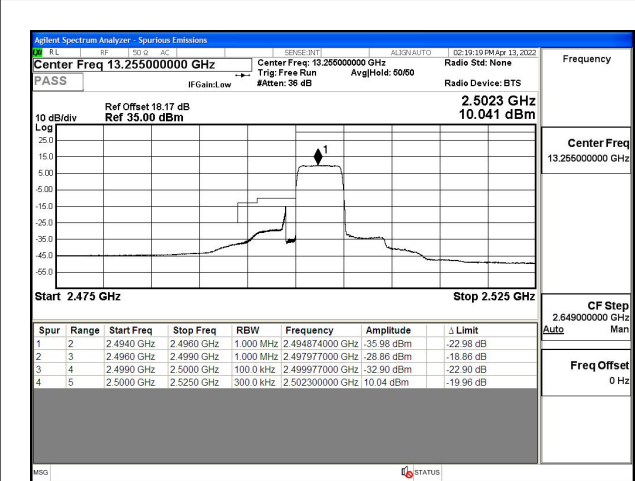


Fig.2

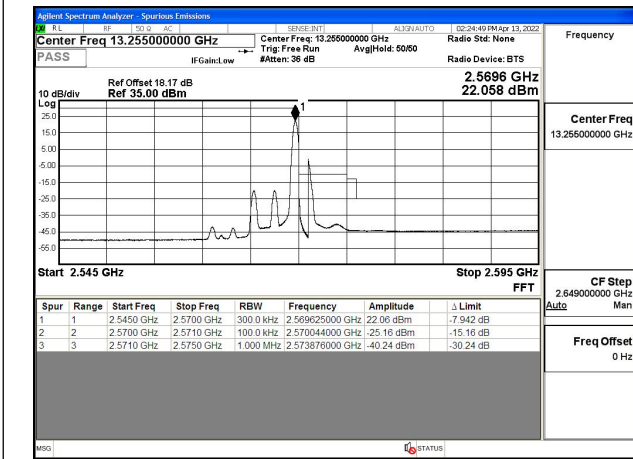


Fig.3

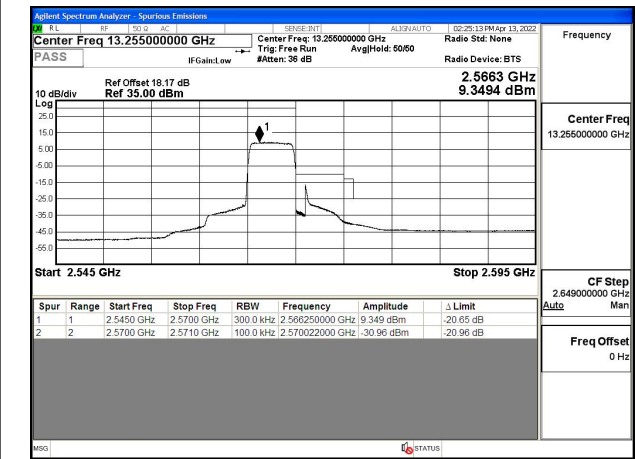


Fig.4

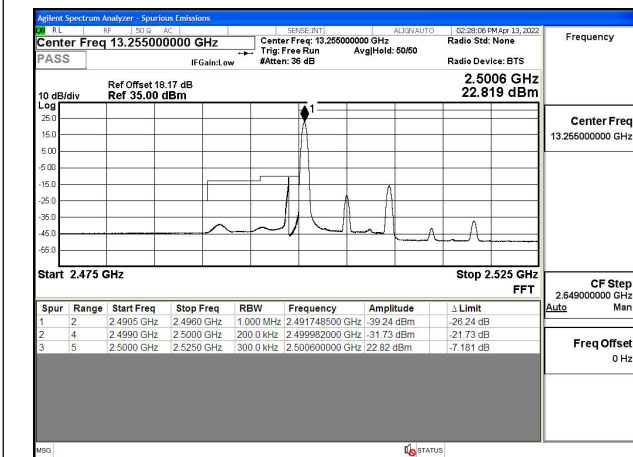


Fig.5

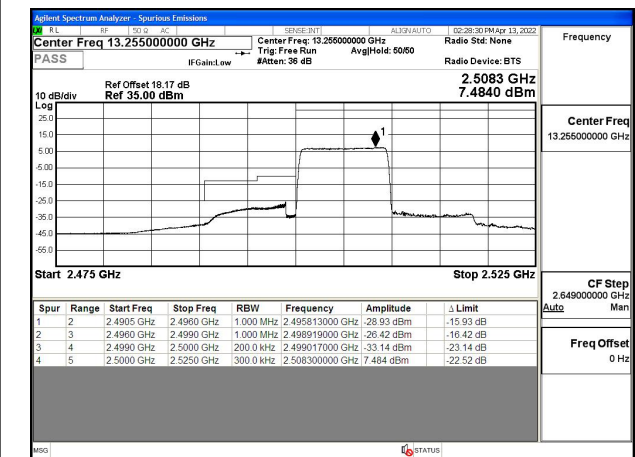


Fig.6

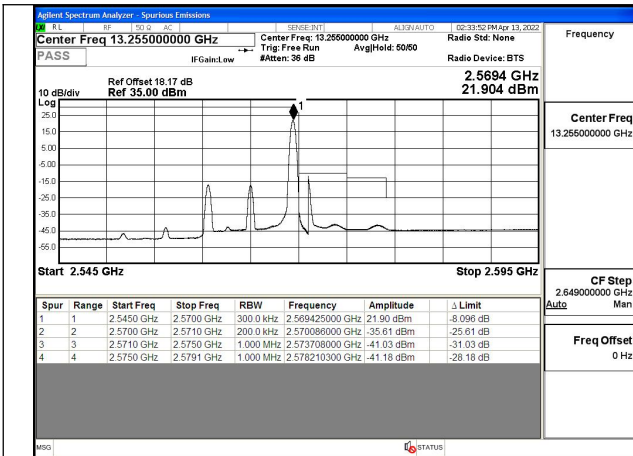


Fig.7

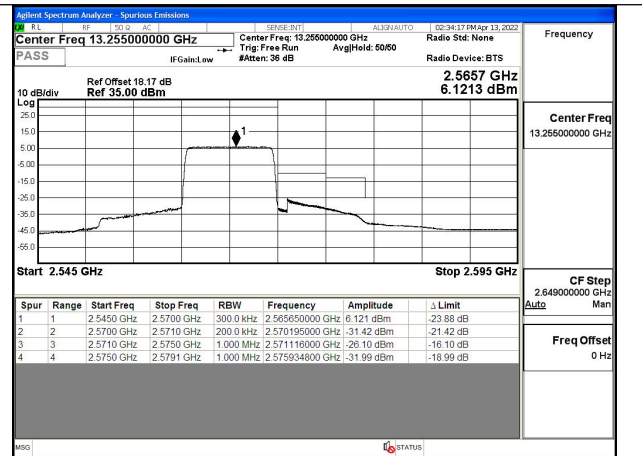


Fig.8

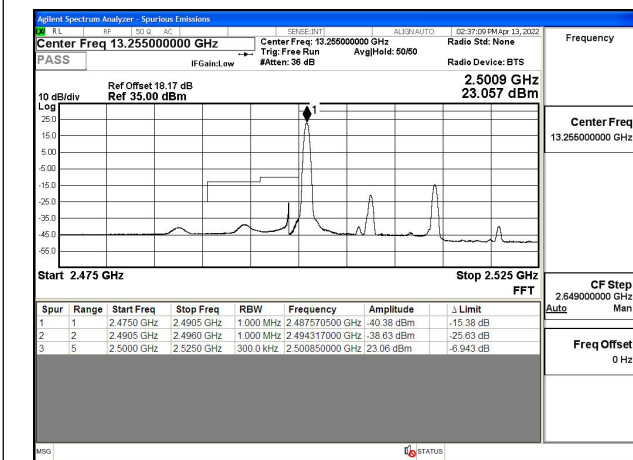


Fig.9

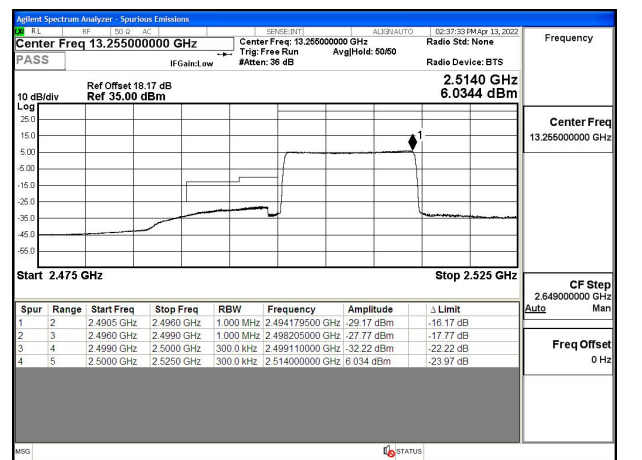


Fig.10

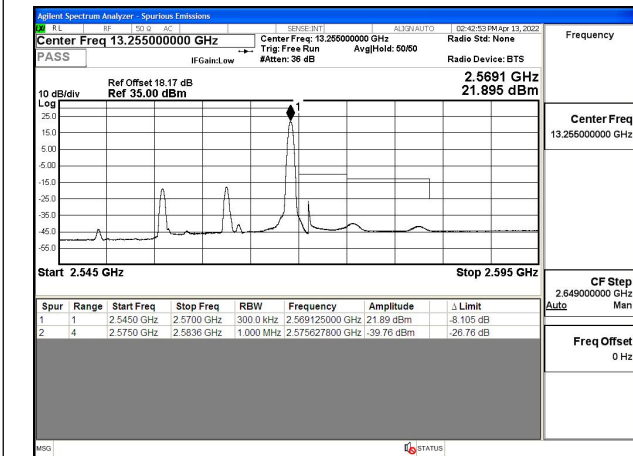


Fig.11

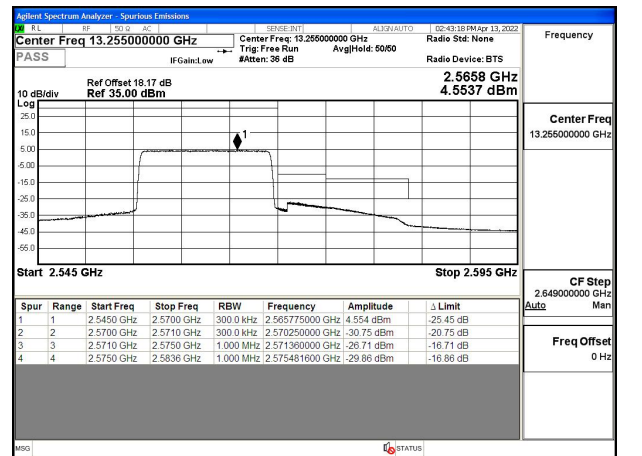


Fig.12

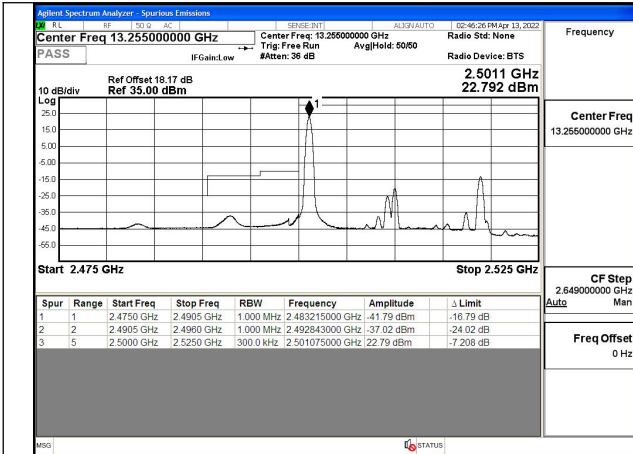


Fig. 13

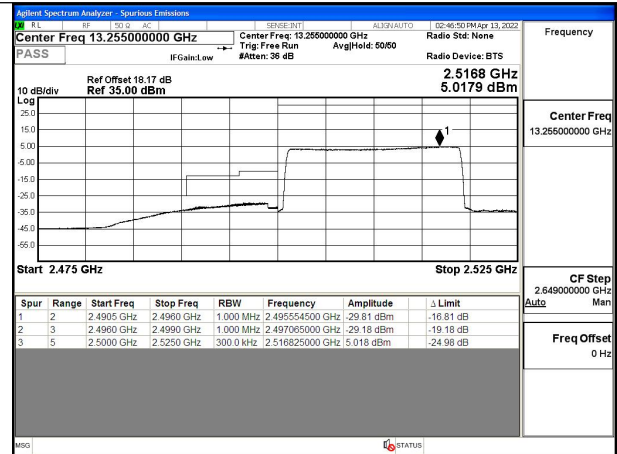


Fig. 14

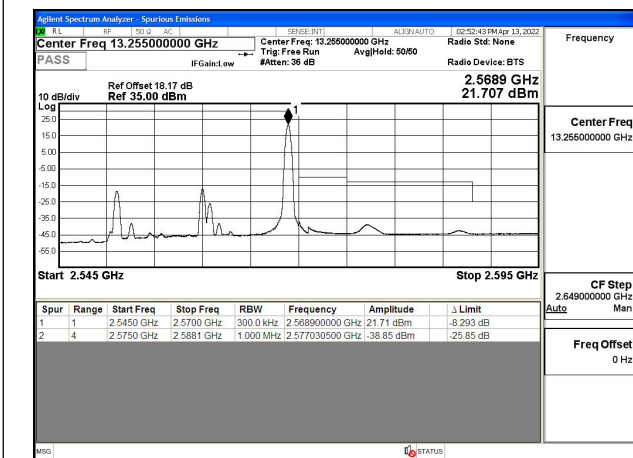


Fig. 15

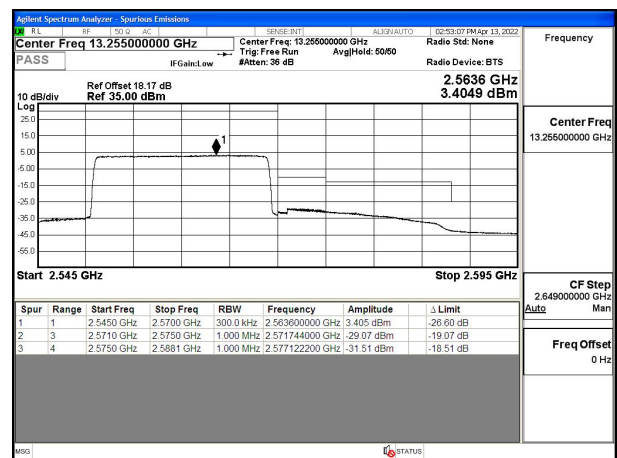


Fig. 16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 7 Low Channel QPSK			
		5M	10M	15M	20M
-20	NV	0.007	0.019	0.019	0.015
-10	NV	0.014	0.011	0.009	0.018
0	NV	0.015	0.023	-0.010	0.011
+10	NV	-0.004	-0.013	-0.014	-0.016
+20	NV	-0.016	-0.016	-0.014	-0.015
+30	NV	-0.017	-0.019	-0.011	-0.021
+40	NV	-0.011	-0.013	-0.006	-0.011
+50	NV	-0.015	-0.013	-0.013	0.007
+55	NV	-0.016	-0.010	-0.008	-0.014
+20	LV	-0.018	-0.015	-0.032	-0.022
+20	HV	-0.020	-0.090	-0.013	-0.013

Temperature(°C)	Voltage	Test Result (ppm) Band 7 High Channel QPSK			
		5M	10M	15M	20M
-20	NV	0.012	0.013	0.005	-0.007
-10	NV	-0.006	-0.006	-0.005	-0.010
0	NV	-0.005	0.012	-0.011	0.006
+10	NV	-0.008	-0.019	-0.010	-0.017
+20	NV	-0.014	-0.005	-0.012	-0.010
+30	NV	-0.003	-0.005	-0.012	-0.017
+40	NV	-0.011	0.010	0.007	-0.010
+50	NV	-0.015	-0.022	-0.015	-0.004
+55	NV	-0.013	-0.017	-0.012	-0.021
+20	LV	-0.019	-0.015	-0.016	-0.019
+20	HV	-0.012	-0.018	-0.006	-0.018

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	23.59	22.29	0.169
QPSK	2502.5	20775	5	1	12	23.49	22.19	0.166
QPSK	2502.5	20775	5	1	24	23.47	22.17	0.165
QPSK	2502.5	20775	5	12	0	22.79	21.49	0.141
QPSK	2502.5	20775	5	12	7	22.52	21.22	0.132
QPSK	2502.5	20775	5	12	13	22.63	21.33	0.136
QPSK	2502.5	20775	5	25	0	22.69	21.39	0.138
QPSK	2535	21100	5	1	0	23.55	22.25	0.168
QPSK	2535	21100	5	1	12	23.56	22.26	0.168
QPSK	2535	21100	5	1	24	23.57	22.27	0.169
QPSK	2535	21100	5	12	0	22.60	21.30	0.135
QPSK	2535	21100	5	12	7	22.26	20.96	0.125
QPSK	2535	21100	5	12	13	22.61	21.31	0.135
QPSK	2535	21100	5	25	0	22.54	21.24	0.133
QPSK	2567.5	21425	5	1	0	23.56	22.26	0.168
QPSK	2567.5	21425	5	1	12	23.65	22.35	0.172
QPSK	2567.5	21425	5	1	24	23.52	22.22	0.167
QPSK	2567.5	21425	5	12	0	22.46	21.16	0.131
QPSK	2567.5	21425	5	12	7	22.36	21.06	0.128
QPSK	2567.5	21425	5	12	13	22.41	21.11	0.129
QPSK	2567.5	21425	5	25	0	22.37	21.07	0.128

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2502.5	20775	5	1	0	22.76	21.46	0.140
16QAM	2502.5	20775	5	1	12	23.24	21.94	0.156
16QAM	2502.5	20775	5	1	24	23.64	22.34	0.171
16QAM	2502.5	20775	5	12	0	21.69	20.39	0.109
16QAM	2502.5	20775	5	12	7	21.73	20.43	0.110
16QAM	2502.5	20775	5	12	13	21.72	20.42	0.110
16QAM	2502.5	20775	5	25	0	21.73	20.43	0.110
16QAM	2535	21100	5	1	0	23.06	21.76	0.150
16QAM	2535	21100	5	1	12	22.66	21.36	0.137
16QAM	2535	21100	5	1	24	23.08	21.78	0.151
16QAM	2535	21100	5	12	0	21.67	20.37	0.109
16QAM	2535	21100	5	12	7	21.33	20.03	0.101
16QAM	2535	21100	5	12	13	21.31	20.01	0.100
16QAM	2535	21100	5	25	0	21.62	20.32	0.108
16QAM	2567.5	21425	5	1	0	22.80	21.50	0.141
16QAM	2567.5	21425	5	1	12	22.51	21.21	0.132
16QAM	2567.5	21425	5	1	24	22.64	21.34	0.136
16QAM	2567.5	21425	5	12	0	21.40	20.10	0.102
16QAM	2567.5	21425	5	12	7	21.39	20.09	0.102
16QAM	2567.5	21425	5	12	13	21.42	20.12	0.103
16QAM	2567.5	21425	5	25	0	21.27	19.97	0.099
64QAM	2502.5	20775	5	1	0	21.73	20.43	0.110
64QAM	2502.5	20775	5	1	12	21.72	20.42	0.110
64QAM	2502.5	20775	5	1	24	23.11	21.81	0.152
64QAM	2502.5	20775	5	12	0	20.40	19.10	0.081
64QAM	2502.5	20775	5	12	7	20.10	18.80	0.076
64QAM	2502.5	20775	5	12	13	20.21	18.91	0.078
64QAM	2502.5	20775	5	25	0	20.09	18.79	0.076
64QAM	2535	21100	5	1	0	21.56	20.26	0.106
64QAM	2535	21100	5	1	12	22.15	20.85	0.122
64QAM	2535	21100	5	1	24	21.65	20.35	0.108
64QAM	2535	21100	5	12	0	20.10	18.80	0.076
64QAM	2535	21100	5	12	7	20.33	19.03	0.080
64QAM	2535	21100	5	12	13	19.86	18.56	0.072
64QAM	2535	21100	5	25	0	20.45	19.15	0.082
64QAM	2567.5	21425	5	1	0	21.07	19.77	0.095
64QAM	2567.5	21425	5	1	12	21.32	20.02	0.100
64QAM	2567.5	21425	5	1	24	21.48	20.18	0.104
64QAM	2567.5	21425	5	12	0	19.86	18.56	0.072
64QAM	2567.5	21425	5	12	7	19.86	18.56	0.072
64QAM	2567.5	21425	5	12	13	20.01	18.71	0.074
64QAM	2567.5	21425	5	25	0	20.09	18.79	0.076

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	24.05	22.75	0.188
QPSK	2505	20800	10	1	25	24.03	22.73	0.187
QPSK	2505	20800	10	1	49	23.91	22.61	0.182
QPSK	2505	20800	10	25	0	22.82	21.52	0.142
QPSK	2505	20800	10	25	12	22.85	21.55	0.143
QPSK	2505	20800	10	25	25	22.67	21.37	0.137
QPSK	2505	20800	10	50	0	22.75	21.45	0.140
QPSK	2535	21100	10	1	0	24.06	22.76	0.189
QPSK	2535	21100	10	1	25	23.76	22.46	0.176
QPSK	2535	21100	10	1	49	23.47	22.17	0.165
QPSK	2535	21100	10	25	0	22.59	21.29	0.135
QPSK	2535	21100	10	25	12	22.39	21.09	0.129
QPSK	2535	21100	10	25	25	22.33	21.03	0.127
QPSK	2535	21100	10	50	0	22.43	21.13	0.130
QPSK	2565	21400	10	1	0	23.32	22.02	0.159
QPSK	2565	21400	10	1	25	23.69	22.39	0.173
QPSK	2565	21400	10	1	49	23.70	22.40	0.174
QPSK	2565	21400	10	25	0	22.51	21.21	0.132
QPSK	2565	21400	10	25	12	22.47	21.17	0.131
QPSK	2565	21400	10	25	25	22.42	21.12	0.129
QPSK	2565	21400	10	50	0	22.41	21.11	0.129

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2505	20800	10	1	0	23.39	22.09	0.162
16QAM	2505	20800	10	1	25	23.30	22.00	0.158
16QAM	2505	20800	10	1	49	23.08	21.78	0.151
16QAM	2505	20800	10	25	0	21.92	20.62	0.115
16QAM	2505	20800	10	25	12	21.97	20.67	0.117
16QAM	2505	20800	10	25	25	21.96	20.66	0.116
16QAM	2505	20800	10	50	0	21.88	20.58	0.114
16QAM	2535	21100	10	1	0	22.90	21.60	0.145
16QAM	2535	21100	10	1	25	22.57	21.27	0.134
16QAM	2535	21100	10	1	49	22.52	21.22	0.132
16QAM	2535	21100	10	25	0	21.97	20.67	0.117
16QAM	2535	21100	10	25	12	21.61	20.31	0.107
16QAM	2535	21100	10	25	25	21.59	20.29	0.107
16QAM	2535	21100	10	50	0	21.38	20.08	0.102
16QAM	2565	21400	10	1	0	22.90	21.60	0.145
16QAM	2565	21400	10	1	25	22.67	21.37	0.137
16QAM	2565	21400	10	1	49	22.45	21.15	0.130
16QAM	2565	21400	10	25	0	21.44	20.14	0.103
16QAM	2565	21400	10	25	12	21.46	20.16	0.104
16QAM	2565	21400	10	25	25	21.45	20.15	0.104
16QAM	2565	21400	10	50	0	21.41	20.11	0.103
64QAM	2505	20800	10	1	0	21.59	20.29	0.107
64QAM	2505	20800	10	1	25	21.31	20.01	0.100
64QAM	2505	20800	10	1	49	21.85	20.55	0.114
64QAM	2505	20800	10	25	0	20.22	18.92	0.078
64QAM	2505	20800	10	25	12	20.26	18.96	0.079
64QAM	2505	20800	10	25	25	20.37	19.07	0.081
64QAM	2505	20800	10	50	0	20.35	19.05	0.080
64QAM	2535	21100	10	1	0	22.11	20.81	0.121
64QAM	2535	21100	10	1	25	21.71	20.41	0.110
64QAM	2535	21100	10	1	49	21.57	20.27	0.106
64QAM	2535	21100	10	25	0	20.19	18.89	0.077
64QAM	2535	21100	10	25	12	20.17	18.87	0.077
64QAM	2535	21100	10	25	25	20.04	18.74	0.075
64QAM	2535	21100	10	50	0	20.36	19.06	0.081
64QAM	2565	21400	10	1	0	21.16	19.86	0.097
64QAM	2565	21400	10	1	25	21.23	19.93	0.098
64QAM	2565	21400	10	1	49	21.44	20.14	0.103
64QAM	2565	21400	10	25	0	20.02	18.72	0.074
64QAM	2565	21400	10	25	12	19.93	18.63	0.073
64QAM	2565	21400	10	25	25	19.78	18.48	0.070
64QAM	2565	21400	10	50	0	20.15	18.85	0.077

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	23.92	22.62	0.183
QPSK	2507.5	20825	15	1	37	23.73	22.43	0.175
QPSK	2507.5	20825	15	1	74	23.77	22.47	0.177
QPSK	2507.5	20825	15	36	0	22.75	21.45	0.140
QPSK	2507.5	20825	15	36	29	22.83	21.53	0.142
QPSK	2507.5	20825	15	36	30	22.83	21.53	0.142
QPSK	2507.5	20825	15	75	0	22.90	21.60	0.145
QPSK	2535	21100	15	1	0	23.72	22.42	0.175
QPSK	2535	21100	15	1	37	23.50	22.20	0.166
QPSK	2535	21100	15	1	74	23.32	22.02	0.159
QPSK	2535	21100	15	36	0	22.59	21.29	0.135
QPSK	2535	21100	15	36	29	22.49	21.19	0.132
QPSK	2535	21100	15	36	30	22.48	21.18	0.131
QPSK	2535	21100	15	75	0	22.39	21.09	0.129
QPSK	2562.5	21375	15	1	0	23.22	21.92	0.156
QPSK	2562.5	21375	15	1	37	23.39	22.09	0.162
QPSK	2562.5	21375	15	1	74	23.22	21.92	0.156
QPSK	2562.5	21375	15	36	0	22.47	21.17	0.131
QPSK	2562.5	21375	15	36	29	22.33	21.03	0.127
QPSK	2562.5	21375	15	36	30	22.36	21.06	0.128
QPSK	2562.5	21375	15	75	0	22.51	21.21	0.132

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2507.5	20825	15	1	0	23.71	22.41	0.174
16QAM	2507.5	20825	15	1	37	23.52	22.22	0.167
16QAM	2507.5	20825	15	1	74	23.15	21.85	0.153
16QAM	2507.5	20825	15	36	0	21.86	20.56	0.114
16QAM	2507.5	20825	15	36	29	21.72	20.42	0.110
16QAM	2507.5	20825	15	36	30	21.79	20.49	0.112
16QAM	2507.5	20825	15	75	0	21.90	20.60	0.115
16QAM	2535	21100	15	1	0	23.06	21.76	0.150
16QAM	2535	21100	15	1	37	22.76	21.46	0.140
16QAM	2535	21100	15	1	74	22.58	21.28	0.134
16QAM	2535	21100	15	36	0	21.84	20.54	0.113
16QAM	2535	21100	15	36	29	21.48	20.18	0.104
16QAM	2535	21100	15	36	30	21.31	20.01	0.100
16QAM	2535	21100	15	75	0	21.61	20.31	0.107
16QAM	2562.5	21375	15	1	0	22.78	21.48	0.141
16QAM	2562.5	21375	15	1	37	23.27	21.97	0.157
16QAM	2562.5	21375	15	1	74	22.95	21.65	0.146
16QAM	2562.5	21375	15	36	0	21.44	20.14	0.103
16QAM	2562.5	21375	15	36	29	21.35	20.05	0.101
16QAM	2562.5	21375	15	36	30	21.26	19.96	0.099
16QAM	2562.5	21375	15	75	0	21.61	20.31	0.107
64QAM	2507.5	20825	15	1	0	21.98	20.68	0.117
64QAM	2507.5	20825	15	1	37	21.80	20.50	0.112
64QAM	2507.5	20825	15	1	74	21.96	20.66	0.116
64QAM	2507.5	20825	15	36	0	20.42	19.12	0.082
64QAM	2507.5	20825	15	36	29	20.40	19.10	0.081
64QAM	2507.5	20825	15	36	30	20.42	19.12	0.082
64QAM	2507.5	20825	15	75	0	20.40	19.10	0.081
64QAM	2535	21100	15	1	0	21.83	20.53	0.113
64QAM	2535	21100	15	1	37	21.40	20.10	0.102
64QAM	2535	21100	15	1	74	21.11	19.81	0.096
64QAM	2535	21100	15	36	0	20.39	19.09	0.081
64QAM	2535	21100	15	36	29	19.96	18.66	0.073
64QAM	2535	21100	15	36	30	20.01	18.71	0.074
64QAM	2535	21100	15	75	0	20.23	18.93	0.078
64QAM	2562.5	21375	15	1	0	21.18	19.88	0.097
64QAM	2562.5	21375	15	1	37	21.56	20.26	0.106
64QAM	2562.5	21375	15	1	74	21.60	20.30	0.107
64QAM	2562.5	21375	15	36	0	19.94	18.64	0.073
64QAM	2562.5	21375	15	36	29	20.09	18.79	0.076
64QAM	2562.5	21375	15	36	30	19.82	18.52	0.071
64QAM	2562.5	21375	15	75	0	19.77	18.47	0.070

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	23.83	22.53	0.179
QPSK	2510	20850	20	1	49	23.99	22.69	0.186
QPSK	2510	20850	20	1	99	23.64	22.34	0.171
QPSK	2510	20850	20	50	0	22.88	21.58	0.144
QPSK	2510	20850	20	50	24	22.75	21.45	0.140
QPSK	2510	20850	20	50	50	22.84	21.54	0.143
QPSK	2510	20850	20	100	0	22.93	21.63	0.146
QPSK	2535	21100	20	1	0	23.89	22.59	0.182
QPSK	2535	21100	20	1	49	23.37	22.07	0.161
QPSK	2535	21100	20	1	99	23.13	21.83	0.152
QPSK	2535	21100	20	50	0	22.73	21.43	0.139
QPSK	2535	21100	20	50	24	22.34	21.04	0.127
QPSK	2535	21100	20	50	50	22.24	20.94	0.124
QPSK	2535	21100	20	100	0	22.40	21.10	0.129
QPSK	2560	21350	20	1	0	23.39	22.09	0.162
QPSK	2560	21350	20	1	49	23.20	21.90	0.155
QPSK	2560	21350	20	1	99	23.28	21.98	0.158
QPSK	2560	21350	20	50	0	22.37	21.07	0.128
QPSK	2560	21350	20	50	24	22.52	21.22	0.132
QPSK	2560	21350	20	50	50	22.35	21.05	0.127
QPSK	2560	21350	20	100	0	22.42	21.12	0.129

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2510	20850	20	1	0	23.34	22.04	0.160
16QAM	2510	20850	20	1	49	23.34	22.04	0.160
16QAM	2510	20850	20	1	99	23.37	22.07	0.161
16QAM	2510	20850	20	50	0	21.97	20.67	0.117
16QAM	2510	20850	20	50	24	21.90	20.60	0.115
16QAM	2510	20850	20	50	50	21.91	20.61	0.115
16QAM	2510	20850	20	100	0	22.04	20.74	0.119
16QAM	2535	21100	20	1	0	23.27	21.97	0.157
16QAM	2535	21100	20	1	49	23.22	21.92	0.156
16QAM	2535	21100	20	1	99	22.42	21.12	0.129
16QAM	2535	21100	20	50	0	21.67	20.37	0.109
16QAM	2535	21100	20	50	24	21.57	20.27	0.106
16QAM	2535	21100	20	50	50	21.38	20.08	0.102
16QAM	2535	21100	20	100	0	21.54	20.24	0.106
16QAM	2560	21350	20	1	0	23.17	21.87	0.154
16QAM	2560	21350	20	1	49	22.98	21.68	0.147
16QAM	2560	21350	20	1	99	23.43	22.13	0.163
16QAM	2560	21350	20	50	0	21.27	19.97	0.099
16QAM	2560	21350	20	50	24	21.55	20.25	0.106
16QAM	2560	21350	20	50	50	21.46	20.16	0.104
16QAM	2560	21350	20	100	0	21.48	20.18	0.104
64QAM	2510	20850	20	1	0	21.77	20.47	0.111
64QAM	2510	20850	20	1	49	22.20	20.90	0.123
64QAM	2510	20850	20	1	99	22.34	21.04	0.127
64QAM	2510	20850	20	50	0	20.53	19.23	0.084
64QAM	2510	20850	20	50	24	20.42	19.12	0.082
64QAM	2510	20850	20	50	50	20.39	19.09	0.081
64QAM	2510	20850	20	100	0	20.36	19.06	0.081
64QAM	2535	21100	20	1	0	21.45	20.15	0.104
64QAM	2535	21100	20	1	49	20.94	19.64	0.092
64QAM	2535	21100	20	1	99	22.05	20.75	0.119
64QAM	2535	21100	20	50	0	20.46	19.16	0.082
64QAM	2535	21100	20	50	24	20.45	19.15	0.082
64QAM	2535	21100	20	50	50	20.11	18.81	0.076
64QAM	2535	21100	20	100	0	20.48	19.18	0.083
64QAM	2560	21350	20	1	0	21.86	20.56	0.114
64QAM	2560	21350	20	1	49	21.76	20.46	0.111
64QAM	2560	21350	20	1	99	21.87	20.57	0.114
64QAM	2560	21350	20	50	0	20.15	18.85	0.077
64QAM	2560	21350	20	50	24	19.92	18.62	0.073
64QAM	2560	21350	20	50	50	20.11	18.81	0.076
64QAM	2560	21350	20	100	0	19.90	18.60	0.072