

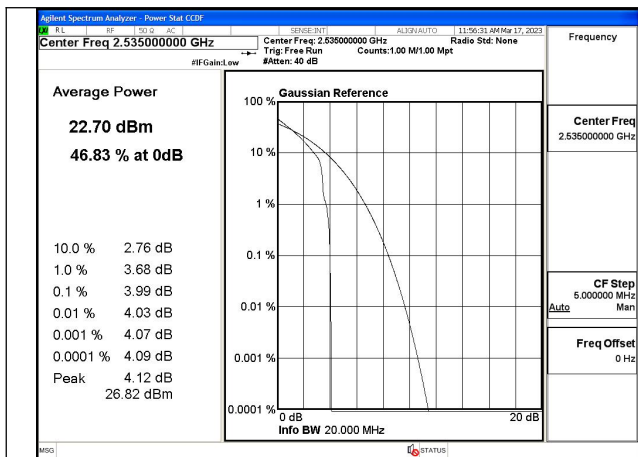


Fig.61

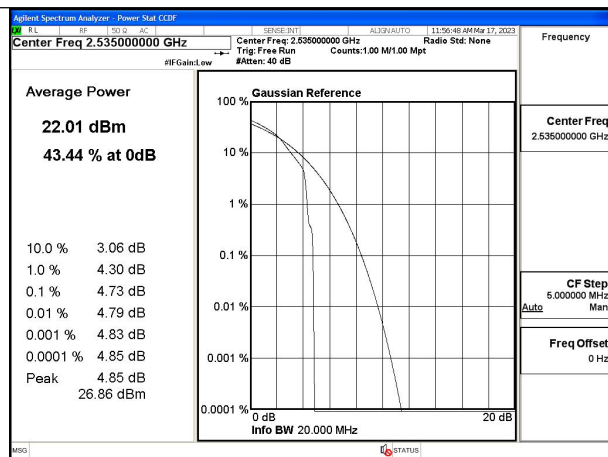


Fig.62

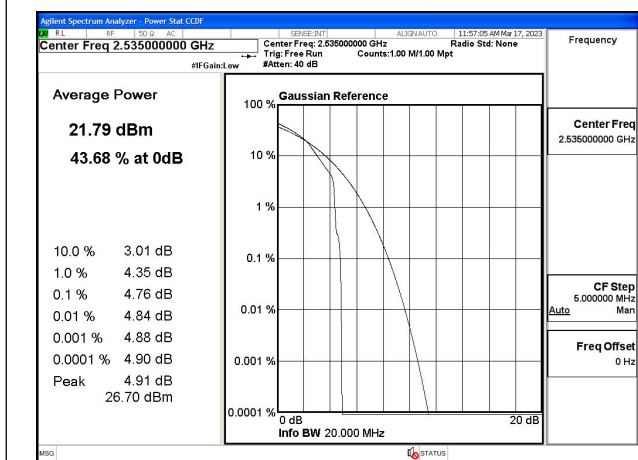


Fig.63

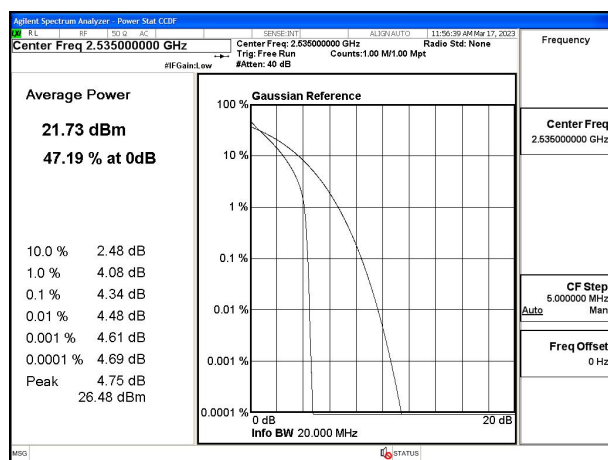


Fig.64

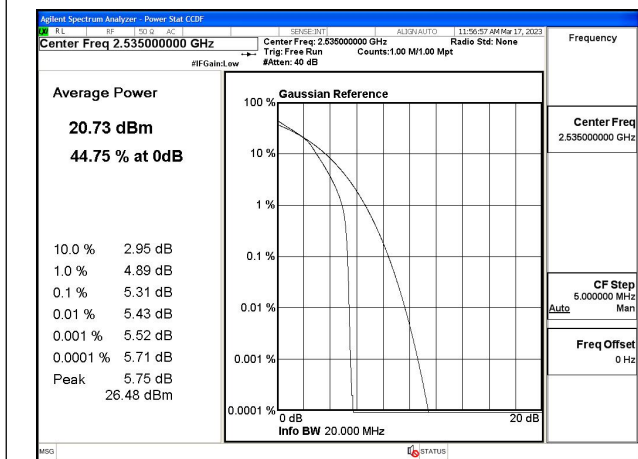


Fig.65

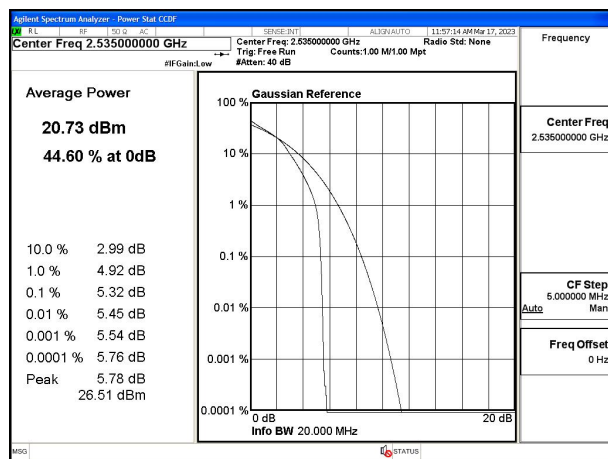


Fig.66

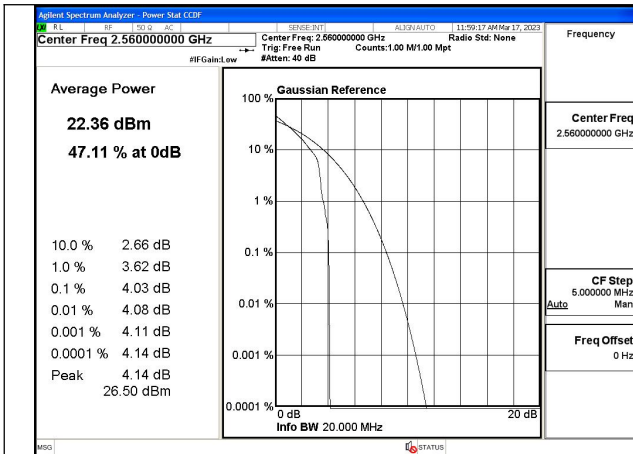


Fig.67

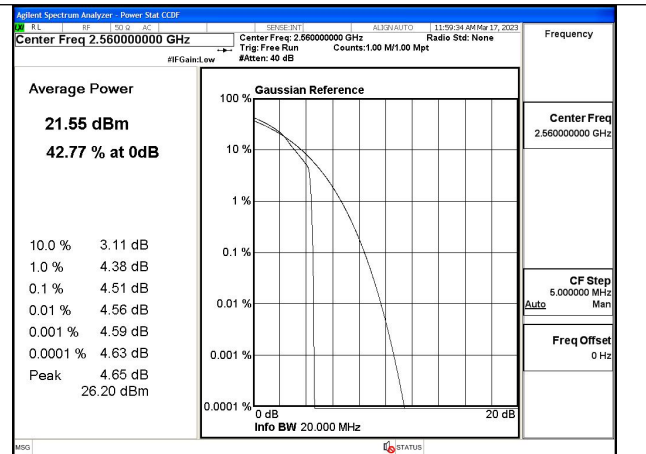


Fig.68

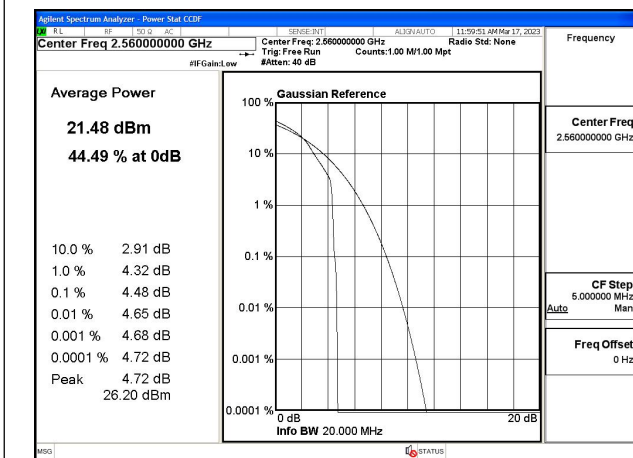


Fig.69

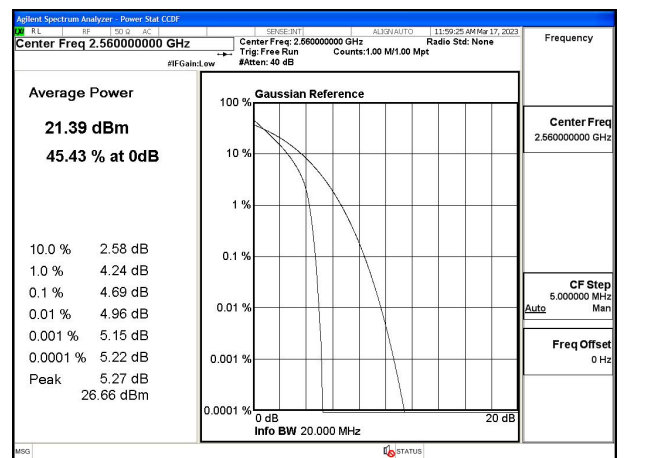


Fig.70

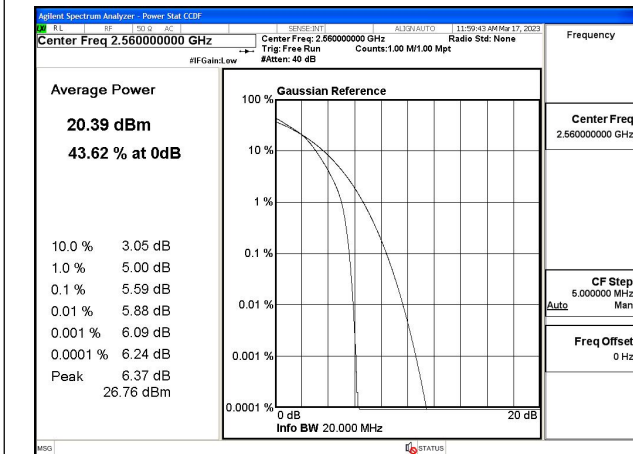


Fig.71

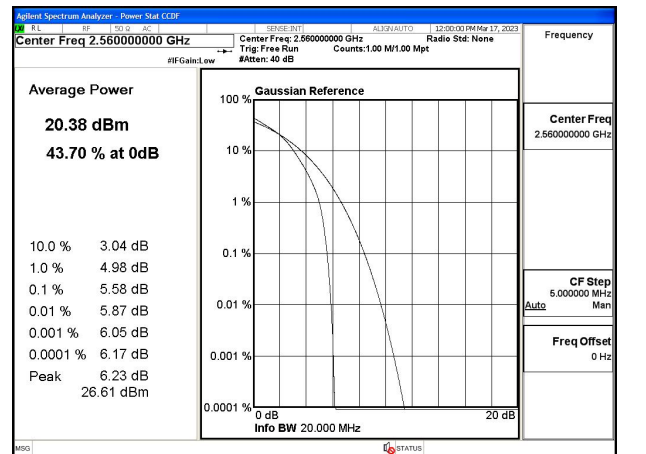


Fig.72

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

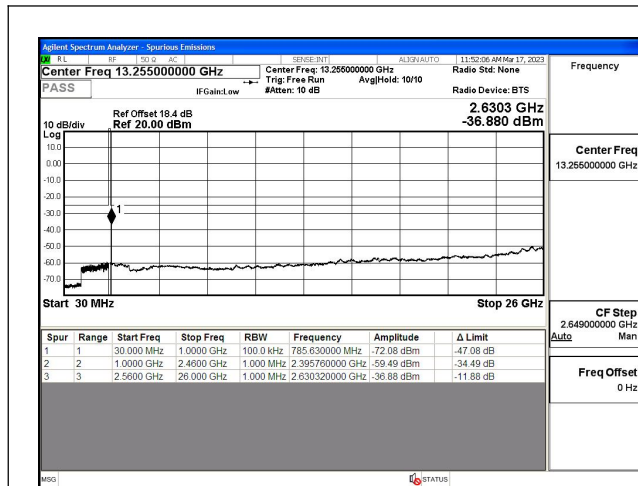


Fig.1

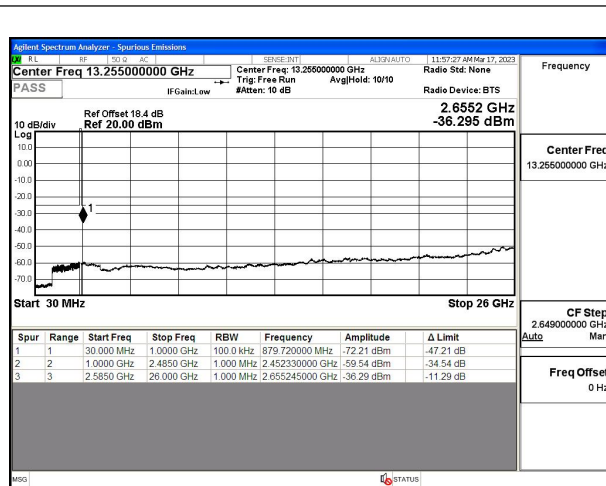


Fig.2

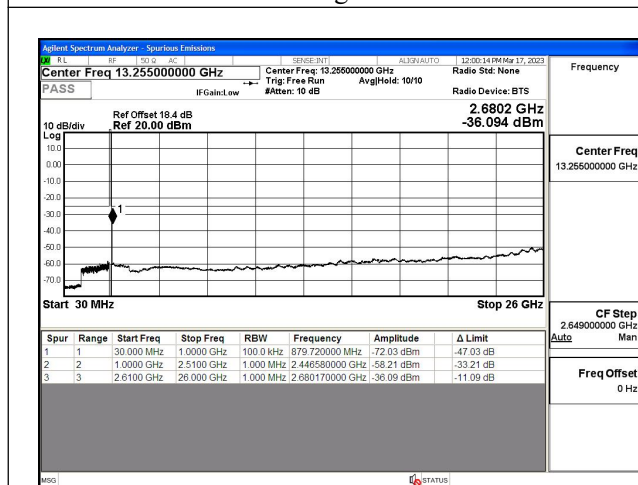


Fig.3

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

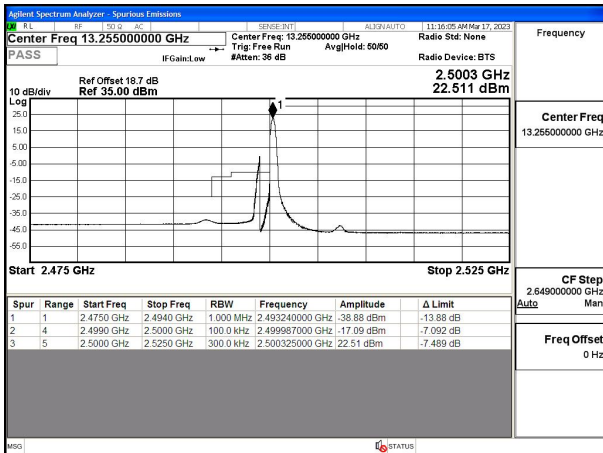


Fig.1

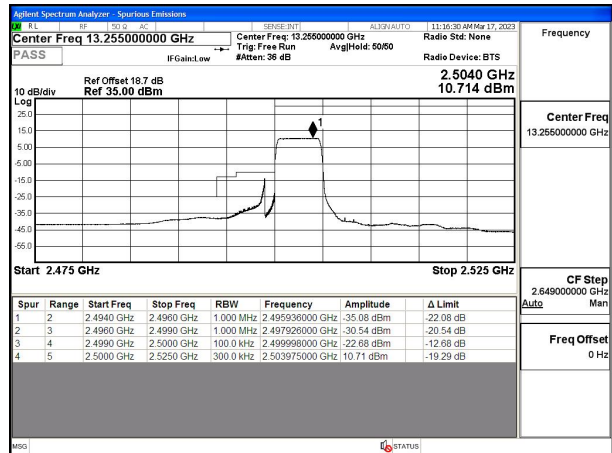


Fig.2

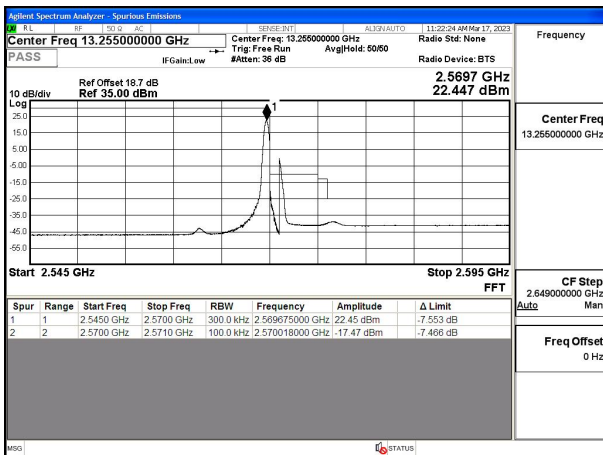


Fig.3

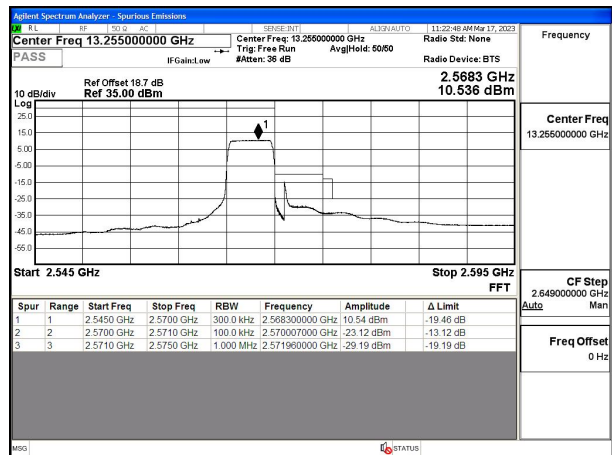


Fig.4

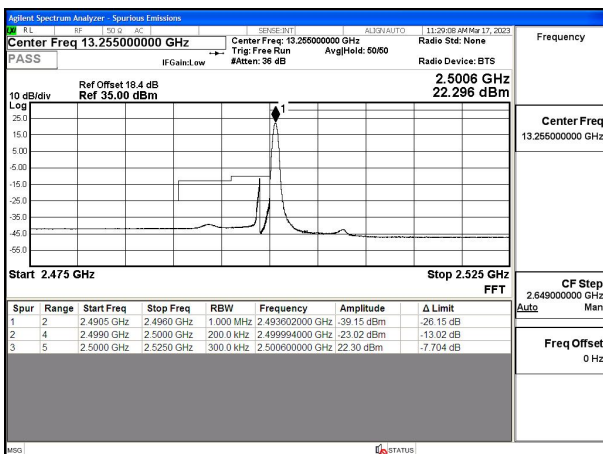


Fig.5

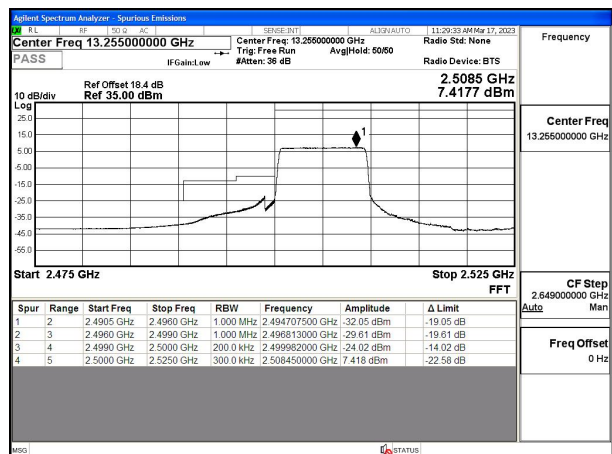


Fig.6

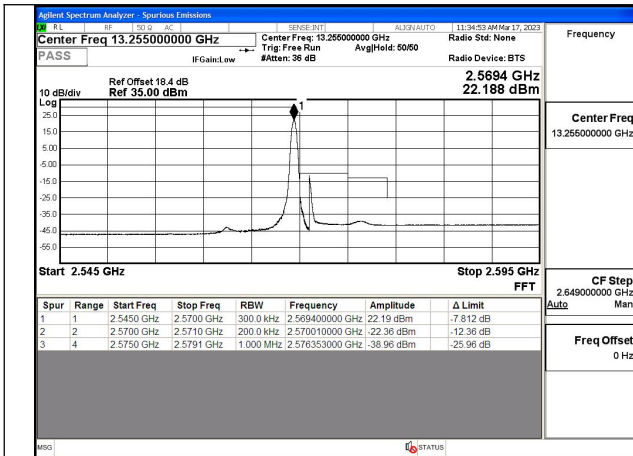


Fig.7

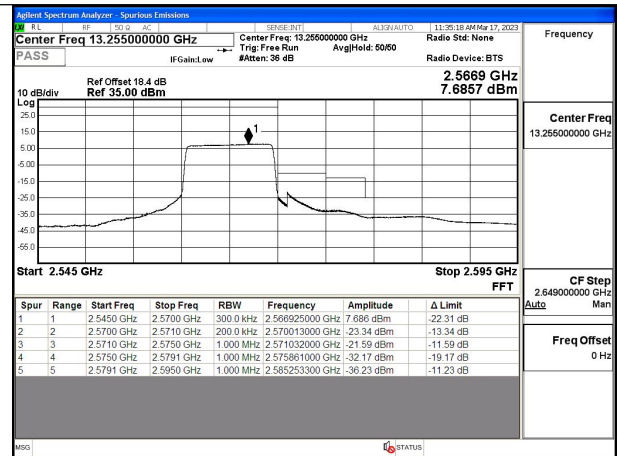


Fig.8

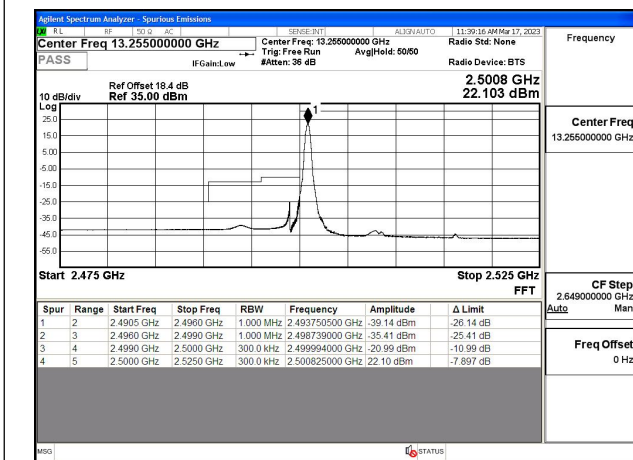


Fig.9

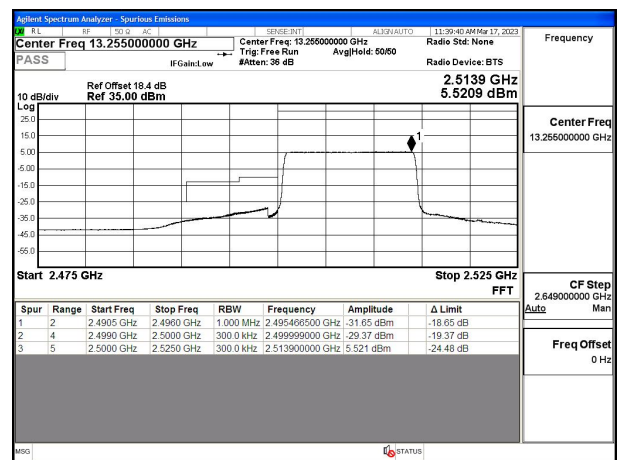


Fig.10

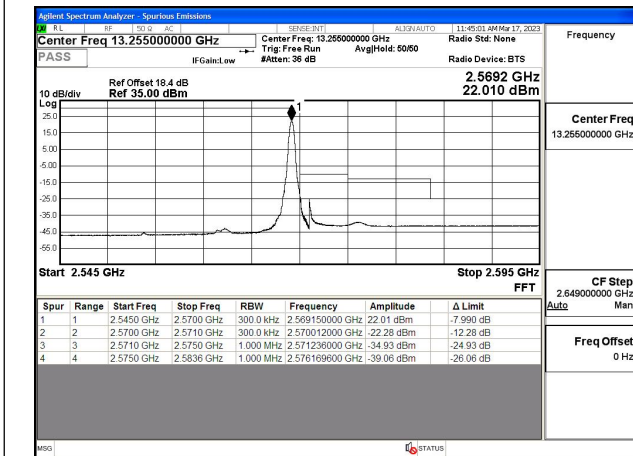


Fig.11

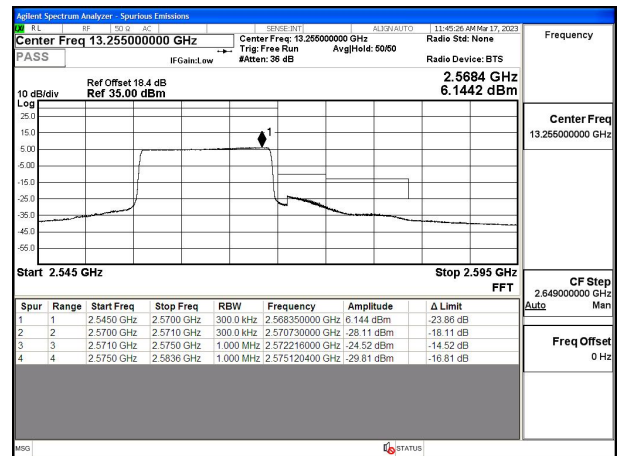


Fig.12

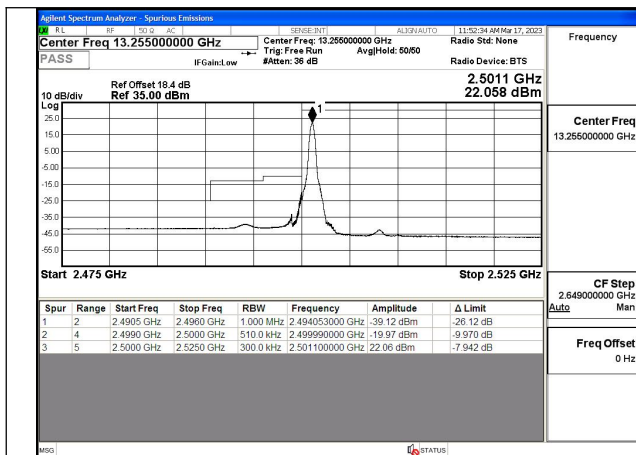


Fig.13

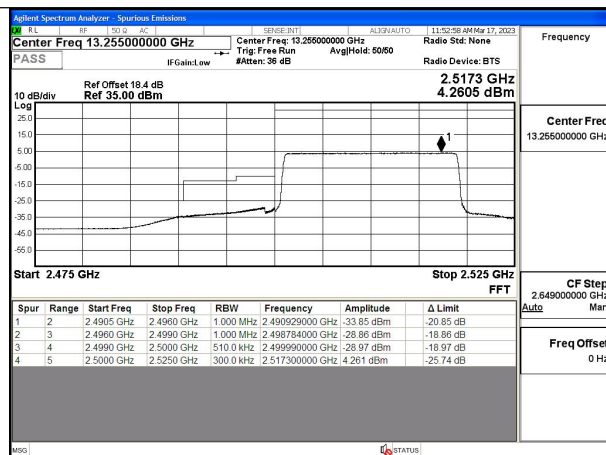


Fig.14

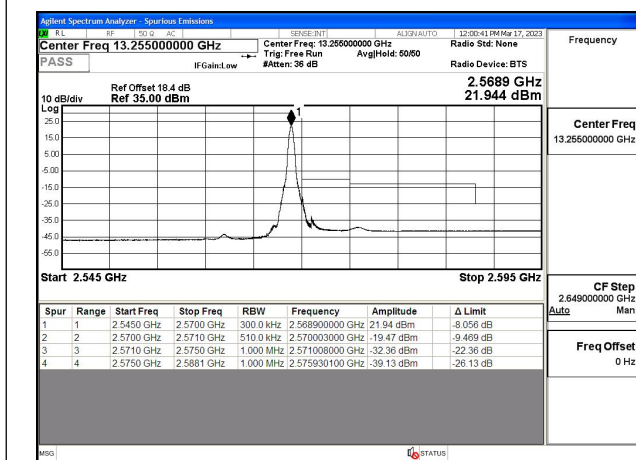


Fig.15

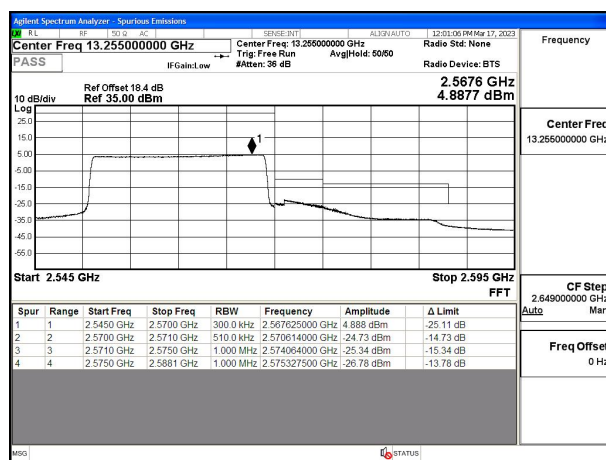


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.003	-0.002	0.001	0.002
0	NV	-0.003	0.000	0.001	-0.002
+10	NV	0.002	-0.001	-0.002	-0.003
+20	NV	0.002	0.002	0.002	-0.002
+30	NV	-0.004	-0.001	-0.002	0.001
+40	NV	0.003	-0.003	-0.002	0.001
+50	NV	0.001	0.002	-0.002	-0.002
+55	NV	-0.002	0.002	-0.001	-0.002
+20	LV	-0.002	0.002	0.000	-0.001
+20	HV	0.001	-0.003	-0.003	0.002

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.001	0.002	0.001	-0.003
0	NV	0.002	0.003	0.002	-0.001
+10	NV	-0.001	-0.002	-0.003	-0.001
+20	NV	0.001	-0.003	0.002	-0.002
+30	NV	0.001	0.015	-0.002	-0.003
+40	NV	-0.003	-0.002	-0.003	-0.004
+50	NV	-0.002	0.002	-0.001	-0.002
+55	NV	0.002	-0.002	-0.003	-0.002
+20	LV	0.016	-0.002	-0.002	0.001
+20	HV	-0.002	0.002	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	22.44	20.94	0.124
QPSK	2502.5	20775	5	1	12	22.51	21.01	0.126
QPSK	2502.5	20775	5	1	24	22.61	21.11	0.129
QPSK	2502.5	20775	5	12	0	21.58	20.08	0.102
QPSK	2502.5	20775	5	12	7	21.73	20.23	0.105
QPSK	2502.5	20775	5	12	13	21.69	20.19	0.104
QPSK	2502.5	20775	5	25	0	21.65	20.15	0.104
QPSK	2535	21100	5	1	0	22.57	21.07	0.128
QPSK	2535	21100	5	1	12	22.79	21.29	0.135
QPSK	2535	21100	5	1	24	22.59	21.09	0.129
QPSK	2535	21100	5	12	0	21.64	20.14	0.103
QPSK	2535	21100	5	12	7	21.69	20.19	0.104
QPSK	2535	21100	5	12	13	21.62	20.12	0.103
QPSK	2535	21100	5	25	0	21.62	20.12	0.103
QPSK	2567.5	21425	5	1	0	22.41	20.91	0.123
QPSK	2567.5	21425	5	1	12	22.55	21.05	0.127
QPSK	2567.5	21425	5	1	24	22.55	21.05	0.127
QPSK	2567.5	21425	5	12	0	21.68	20.18	0.104
QPSK	2567.5	21425	5	12	7	21.66	20.16	0.104
QPSK	2567.5	21425	5	12	13	21.67	20.17	0.104
QPSK	2567.5	21425	5	25	0	21.62	20.12	0.103

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	21.68	20.18	0.104
16QAM	2502.5	20775	5	1	12	22.05	20.55	0.114
16QAM	2502.5	20775	5	1	24	21.25	19.75	0.094
16QAM	2502.5	20775	5	12	0	20.52	19.02	0.080
16QAM	2502.5	20775	5	12	7	20.77	19.27	0.085
16QAM	2502.5	20775	5	12	13	20.69	19.19	0.083
16QAM	2502.5	20775	5	25	0	20.74	19.24	0.084
16QAM	2535	21100	5	1	0	22.29	20.79	0.120
16QAM	2535	21100	5	1	12	22.08	20.58	0.114
16QAM	2535	21100	5	1	24	21.95	20.45	0.111
16QAM	2535	21100	5	12	0	20.73	19.23	0.084
16QAM	2535	21100	5	12	7	20.65	19.15	0.082
16QAM	2535	21100	5	12	13	20.80	19.30	0.085
16QAM	2535	21100	5	25	0	20.61	19.11	0.081
16QAM	2567.5	21425	5	1	0	21.91	20.41	0.110
16QAM	2567.5	21425	5	1	12	21.84	20.34	0.108
16QAM	2567.5	21425	5	1	24	22.05	20.55	0.114
16QAM	2567.5	21425	5	12	0	20.67	19.17	0.083
16QAM	2567.5	21425	5	12	7	20.77	19.27	0.085
16QAM	2567.5	21425	5	12	13	20.73	19.23	0.084
16QAM	2567.5	21425	5	25	0	20.65	19.15	0.082
64QAM	2502.5	20775	5	1	0	21.69	20.19	0.104
64QAM	2502.5	20775	5	1	12	21.76	20.26	0.106
64QAM	2502.5	20775	5	1	24	21.57	20.07	0.102
64QAM	2502.5	20775	5	12	0	20.52	19.02	0.080
64QAM	2502.5	20775	5	12	7	20.79	19.29	0.085
64QAM	2502.5	20775	5	12	13	20.77	19.27	0.085
64QAM	2502.5	20775	5	25	0	20.74	19.24	0.084
64QAM	2535	21100	5	1	0	22.14	20.64	0.116
64QAM	2535	21100	5	1	12	22.05	20.55	0.114
64QAM	2535	21100	5	1	24	21.42	19.92	0.098
64QAM	2535	21100	5	12	0	20.58	19.08	0.081
64QAM	2535	21100	5	12	7	20.65	19.15	0.082
64QAM	2535	21100	5	12	13	20.77	19.27	0.085
64QAM	2535	21100	5	25	0	20.79	19.29	0.085
64QAM	2567.5	21425	5	1	0	21.82	20.32	0.108
64QAM	2567.5	21425	5	1	12	21.75	20.25	0.106
64QAM	2567.5	21425	5	1	24	21.42	19.92	0.098
64QAM	2567.5	21425	5	12	0	20.74	19.24	0.084
64QAM	2567.5	21425	5	12	7	20.74	19.24	0.084
64QAM	2567.5	21425	5	12	13	20.63	19.13	0.082
64QAM	2567.5	21425	5	25	0	20.64	19.14	0.082

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	22.60	21.10	0.129
QPSK	2505	20800	10	1	25	22.76	21.26	0.134
QPSK	2505	20800	10	1	49	22.68	21.18	0.131
QPSK	2505	20800	10	25	0	21.66	20.16	0.104
QPSK	2505	20800	10	25	12	21.79	20.29	0.107
QPSK	2505	20800	10	25	25	21.80	20.30	0.107
QPSK	2505	20800	10	50	0	21.87	20.37	0.109
QPSK	2535	21100	10	1	0	22.96	21.46	0.140
QPSK	2535	21100	10	1	25	22.86	21.36	0.137
QPSK	2535	21100	10	1	49	22.71	21.21	0.132
QPSK	2535	21100	10	25	0	21.68	20.18	0.104
QPSK	2535	21100	10	25	12	21.70	20.20	0.105
QPSK	2535	21100	10	25	25	21.71	20.21	0.105
QPSK	2535	21100	10	50	0	21.75	20.25	0.106
QPSK	2565	21400	10	1	0	22.54	21.04	0.127
QPSK	2565	21400	10	1	25	22.70	21.20	0.132
QPSK	2565	21400	10	1	49	22.48	20.98	0.125
QPSK	2565	21400	10	25	0	21.67	20.17	0.104
QPSK	2565	21400	10	25	12	21.63	20.13	0.103
QPSK	2565	21400	10	25	25	21.63	20.13	0.103
QPSK	2565	21400	10	50	0	21.72	20.22	0.105

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	22.11	20.61	0.115
16QAM	2505	20800	10	1	25	21.87	20.37	0.109
16QAM	2505	20800	10	1	49	22.26	20.76	0.119
16QAM	2505	20800	10	25	0	20.73	19.23	0.084
16QAM	2505	20800	10	25	12	20.82	19.32	0.086
16QAM	2505	20800	10	25	25	20.84	19.34	0.086
16QAM	2505	20800	10	50	0	20.86	19.36	0.086
16QAM	2535	21100	10	1	0	22.33	20.83	0.121
16QAM	2535	21100	10	1	25	22.29	20.79	0.120
16QAM	2535	21100	10	1	49	22.01	20.51	0.112
16QAM	2535	21100	10	25	0	20.79	19.29	0.085
16QAM	2535	21100	10	25	12	20.64	19.14	0.082
16QAM	2535	21100	10	25	25	20.68	19.18	0.083
16QAM	2535	21100	10	50	0	20.68	19.18	0.083
16QAM	2565	21400	10	1	0	22.13	20.63	0.116
16QAM	2565	21400	10	1	25	22.16	20.66	0.116
16QAM	2565	21400	10	1	49	22.10	20.60	0.115
16QAM	2565	21400	10	25	0	20.68	19.18	0.083
16QAM	2565	21400	10	25	12	20.67	19.17	0.083
16QAM	2565	21400	10	25	25	20.76	19.26	0.084
16QAM	2565	21400	10	50	0	20.75	19.25	0.084
64QAM	2505	20800	10	1	0	21.80	20.30	0.107
64QAM	2505	20800	10	1	25	22.21	20.71	0.118
64QAM	2505	20800	10	1	49	21.74	20.24	0.106
64QAM	2505	20800	10	25	0	20.61	19.11	0.081
64QAM	2505	20800	10	25	12	20.80	19.30	0.085
64QAM	2505	20800	10	25	25	20.80	19.30	0.085
64QAM	2505	20800	10	50	0	20.75	19.25	0.084
64QAM	2535	21100	10	1	0	21.60	20.10	0.102
64QAM	2535	21100	10	1	25	21.86	20.36	0.109
64QAM	2535	21100	10	1	49	21.60	20.10	0.102
64QAM	2535	21100	10	25	0	20.75	19.25	0.084
64QAM	2535	21100	10	25	12	20.77	19.27	0.085
64QAM	2535	21100	10	25	25	20.82	19.32	0.086
64QAM	2535	21100	10	50	0	20.70	19.20	0.083
64QAM	2565	21400	10	1	0	21.95	20.45	0.111
64QAM	2565	21400	10	1	25	22.11	20.61	0.115
64QAM	2565	21400	10	1	49	21.71	20.21	0.105
64QAM	2565	21400	10	25	0	20.76	19.26	0.084
64QAM	2565	21400	10	25	12	20.74	19.24	0.084
64QAM	2565	21400	10	25	25	20.67	19.17	0.083
64QAM	2565	21400	10	50	0	20.74	19.24	0.084

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	22.39	20.89	0.123
QPSK	2507.5	20825	15	1	37	22.77	21.27	0.134
QPSK	2507.5	20825	15	1	74	22.42	20.92	0.124
QPSK	2507.5	20825	15	36	0	21.50	20.00	0.100
QPSK	2507.5	20825	15	36	29	21.67	20.17	0.104
QPSK	2507.5	20825	15	36	30	21.59	20.09	0.102
QPSK	2507.5	20825	15	75	0	21.55	20.05	0.101
QPSK	2535	21100	15	1	0	22.88	21.38	0.137
QPSK	2535	21100	15	1	37	22.52	21.02	0.126
QPSK	2535	21100	15	1	74	22.31	20.81	0.121
QPSK	2535	21100	15	36	0	21.62	20.12	0.103
QPSK	2535	21100	15	36	29	21.59	20.09	0.102
QPSK	2535	21100	15	36	30	21.59	20.09	0.102
QPSK	2535	21100	15	75	0	21.51	20.01	0.100
QPSK	2562.5	21375	15	1	0	22.44	20.94	0.124
QPSK	2562.5	21375	15	1	37	22.79	21.29	0.135
QPSK	2562.5	21375	15	1	74	22.59	21.09	0.129
QPSK	2562.5	21375	15	36	0	21.53	20.03	0.101
QPSK	2562.5	21375	15	36	29	21.53	20.03	0.101
QPSK	2562.5	21375	15	36	30	21.61	20.11	0.103
QPSK	2562.5	21375	15	75	0	21.51	20.01	0.100

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	21.91	20.41	0.110
16QAM	2507.5	20825	15	1	37	22.21	20.71	0.118
16QAM	2507.5	20825	15	1	74	22.04	20.54	0.113
16QAM	2507.5	20825	15	36	0	20.60	19.10	0.081
16QAM	2507.5	20825	15	36	29	20.67	19.17	0.083
16QAM	2507.5	20825	15	36	30	20.75	19.25	0.084
16QAM	2507.5	20825	15	75	0	20.65	19.15	0.082
16QAM	2535	21100	15	1	0	22.05	20.55	0.114
16QAM	2535	21100	15	1	37	22.16	20.66	0.116
16QAM	2535	21100	15	1	74	21.75	20.25	0.106
16QAM	2535	21100	15	36	0	20.53	19.03	0.080
16QAM	2535	21100	15	36	29	20.56	19.06	0.081
16QAM	2535	21100	15	36	30	20.62	19.12	0.082
16QAM	2535	21100	15	75	0	20.53	19.03	0.080
16QAM	2562.5	21375	15	1	0	21.58	20.08	0.102
16QAM	2562.5	21375	15	1	37	21.64	20.14	0.103
16QAM	2562.5	21375	15	1	74	21.85	20.35	0.108
16QAM	2562.5	21375	15	36	0	20.50	19.00	0.079
16QAM	2562.5	21375	15	36	29	20.56	19.06	0.081
16QAM	2562.5	21375	15	36	30	20.51	19.01	0.080
16QAM	2562.5	21375	15	75	0	20.61	19.11	0.081
64QAM	2507.5	20825	15	1	0	21.27	19.77	0.095
64QAM	2507.5	20825	15	1	37	21.94	20.44	0.111
64QAM	2507.5	20825	15	1	74	21.27	19.77	0.095
64QAM	2507.5	20825	15	36	0	20.63	19.13	0.082
64QAM	2507.5	20825	15	36	29	20.66	19.16	0.082
64QAM	2507.5	20825	15	36	30	20.78	19.28	0.085
64QAM	2507.5	20825	15	75	0	20.70	19.20	0.083
64QAM	2535	21100	15	1	0	21.82	20.32	0.108
64QAM	2535	21100	15	1	37	21.93	20.43	0.110
64QAM	2535	21100	15	1	74	21.33	19.83	0.096
64QAM	2535	21100	15	36	0	20.56	19.06	0.081
64QAM	2535	21100	15	36	29	20.60	19.10	0.081
64QAM	2535	21100	15	36	30	20.63	19.13	0.082
64QAM	2535	21100	15	75	0	20.56	19.06	0.081
64QAM	2562.5	21375	15	1	0	21.80	20.30	0.107
64QAM	2562.5	21375	15	1	37	22.09	20.59	0.115
64QAM	2562.5	21375	15	1	74	21.34	19.84	0.096
64QAM	2562.5	21375	15	36	0	20.47	18.97	0.079
64QAM	2562.5	21375	15	36	29	20.63	19.13	0.082
64QAM	2562.5	21375	15	36	30	20.50	19.00	0.079
64QAM	2562.5	21375	15	75	0	20.55	19.05	0.080

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	22.45	20.95	0.124
QPSK	2510	20850	20	1	49	22.50	21.00	0.126
QPSK	2510	20850	20	1	99	22.44	20.94	0.124
QPSK	2510	20850	20	50	0	21.57	20.07	0.102
QPSK	2510	20850	20	50	24	21.72	20.22	0.105
QPSK	2510	20850	20	50	50	21.66	20.16	0.104
QPSK	2510	20850	20	100	0	21.67	20.17	0.104
QPSK	2535	21100	20	1	0	22.76	21.26	0.134
QPSK	2535	21100	20	1	49	22.74	21.24	0.133
QPSK	2535	21100	20	1	99	22.47	20.97	0.125
QPSK	2535	21100	20	50	0	21.59	20.09	0.102
QPSK	2535	21100	20	50	24	21.49	19.99	0.100
QPSK	2535	21100	20	50	50	21.57	20.07	0.102
QPSK	2535	21100	20	100	0	21.49	19.99	0.100
QPSK	2560	21350	20	1	0	22.25	20.75	0.119
QPSK	2560	21350	20	1	49	22.81	21.31	0.135
QPSK	2560	21350	20	1	99	22.50	21.00	0.126
QPSK	2560	21350	20	50	0	21.51	20.01	0.100
QPSK	2560	21350	20	50	24	21.44	19.94	0.099
QPSK	2560	21350	20	50	50	21.47	19.97	0.099
QPSK	2560	21350	20	100	0	21.52	20.02	0.100

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	21.59	20.09	0.102
16QAM	2510	20850	20	1	49	21.87	20.37	0.109
16QAM	2510	20850	20	1	99	22.04	20.54	0.113
16QAM	2510	20850	20	50	0	20.62	19.12	0.082
16QAM	2510	20850	20	50	24	20.74	19.24	0.084
16QAM	2510	20850	20	50	50	20.69	19.19	0.083
16QAM	2510	20850	20	100	0	20.72	19.22	0.084
16QAM	2535	21100	20	1	0	21.80	20.30	0.107
16QAM	2535	21100	20	1	49	22.00	20.50	0.112
16QAM	2535	21100	20	1	99	21.59	20.09	0.102
16QAM	2535	21100	20	50	0	20.50	19.00	0.079
16QAM	2535	21100	20	50	24	20.52	19.02	0.080
16QAM	2535	21100	20	50	50	20.61	19.11	0.081
16QAM	2535	21100	20	100	0	20.64	19.14	0.082
16QAM	2560	21350	20	1	0	21.56	20.06	0.101
16QAM	2560	21350	20	1	49	21.49	19.99	0.100
16QAM	2560	21350	20	1	99	21.62	20.12	0.103
16QAM	2560	21350	20	50	0	20.42	18.92	0.078
16QAM	2560	21350	20	50	24	20.41	18.91	0.078
16QAM	2560	21350	20	50	50	20.45	18.95	0.079
16QAM	2560	21350	20	100	0	20.50	19.00	0.079
64QAM	2510	20850	20	1	0	21.38	19.88	0.097
64QAM	2510	20850	20	1	49	21.38	19.88	0.097
64QAM	2510	20850	20	1	99	21.58	20.08	0.102
64QAM	2510	20850	20	50	0	20.57	19.07	0.081
64QAM	2510	20850	20	50	24	20.77	19.27	0.085
64QAM	2510	20850	20	50	50	20.74	19.24	0.084
64QAM	2510	20850	20	100	0	20.75	19.25	0.084
64QAM	2535	21100	20	1	0	21.87	20.37	0.109
64QAM	2535	21100	20	1	49	21.74	20.24	0.106
64QAM	2535	21100	20	1	99	21.66	20.16	0.104
64QAM	2535	21100	20	50	0	20.57	19.07	0.081
64QAM	2535	21100	20	50	24	20.57	19.07	0.081
64QAM	2535	21100	20	50	50	20.58	19.08	0.081
64QAM	2535	21100	20	100	0	20.56	19.06	0.081
64QAM	2560	21350	20	1	0	21.70	20.20	0.105
64QAM	2560	21350	20	1	49	21.91	20.41	0.110
64QAM	2560	21350	20	1	99	21.59	20.09	0.102
64QAM	2560	21350	20	50	0	20.43	18.93	0.078
64QAM	2560	21350	20	50	24	20.42	18.92	0.078
64QAM	2560	21350	20	50	50	20.57	19.07	0.081
64QAM	2560	21350	20	100	0	20.51	19.01	0.080