

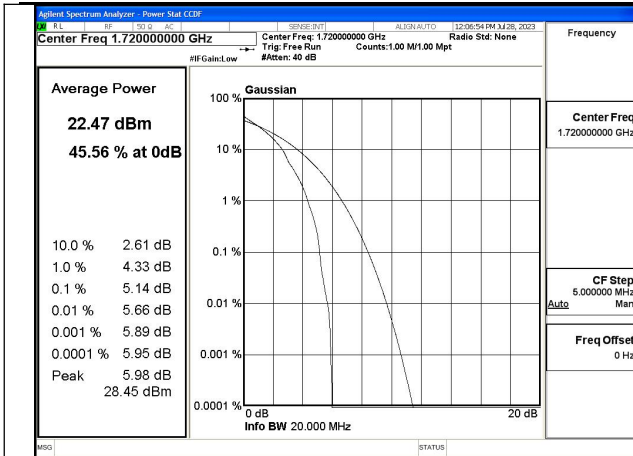


Fig.91

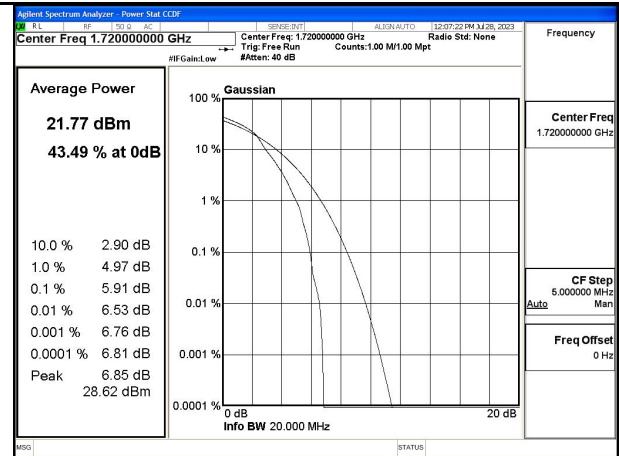


Fig.92

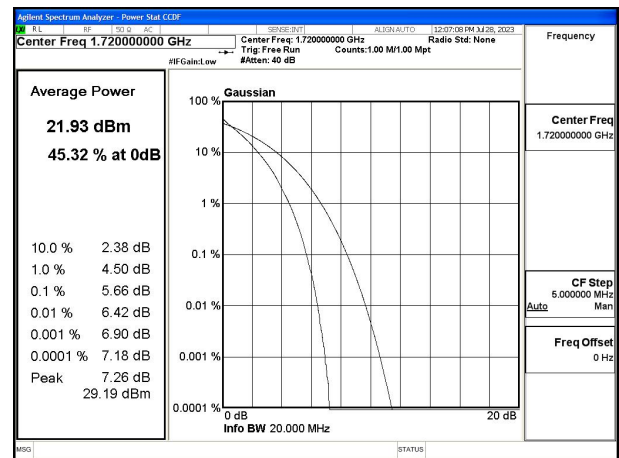
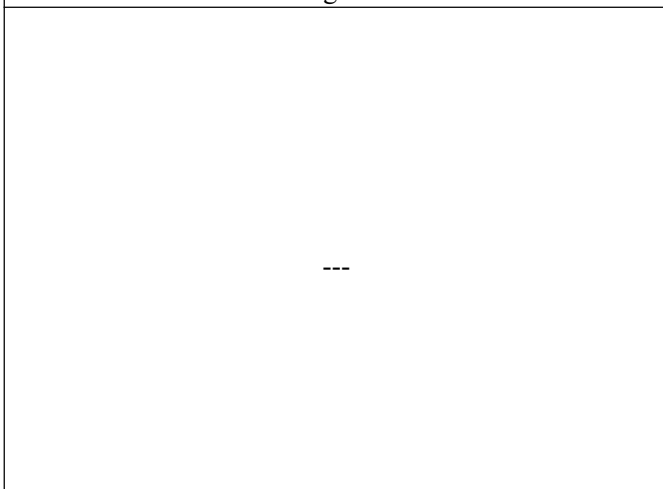


Fig.94

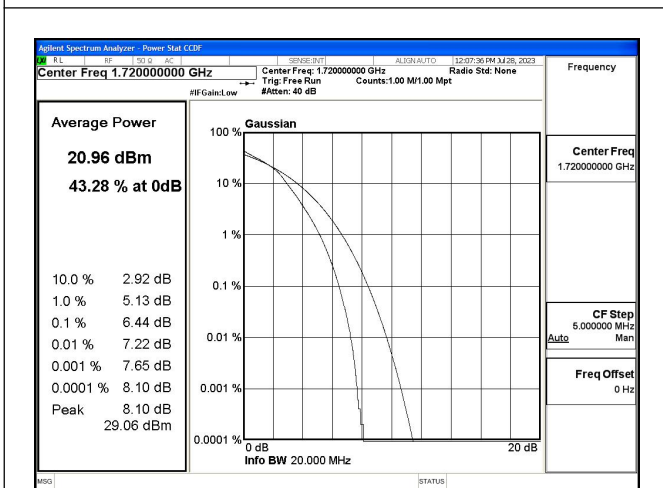
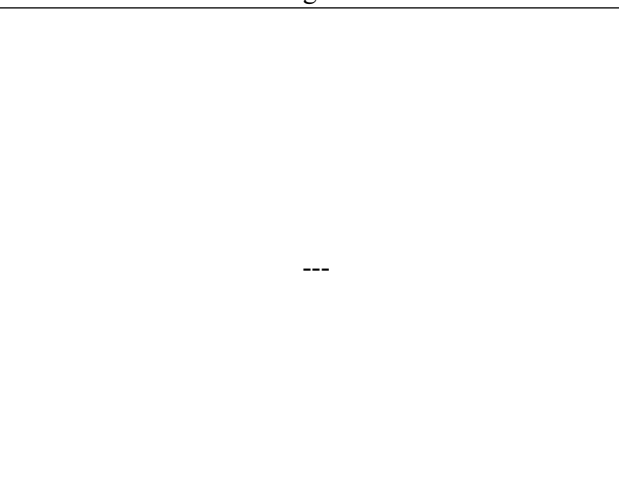


Fig.95



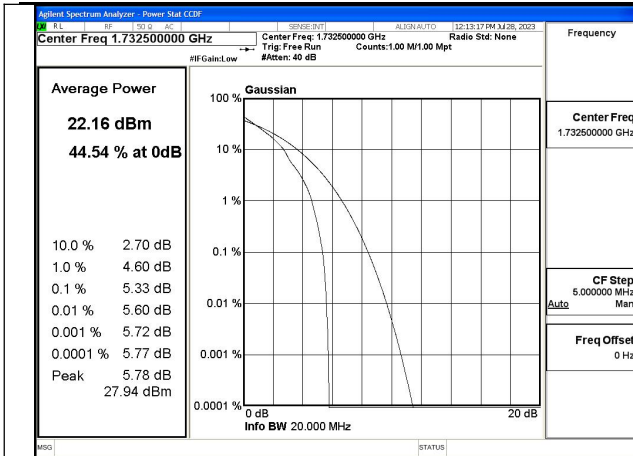


Fig.97

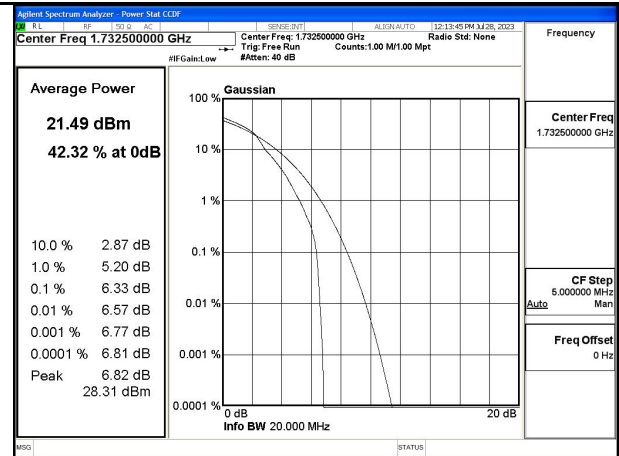


Fig.98

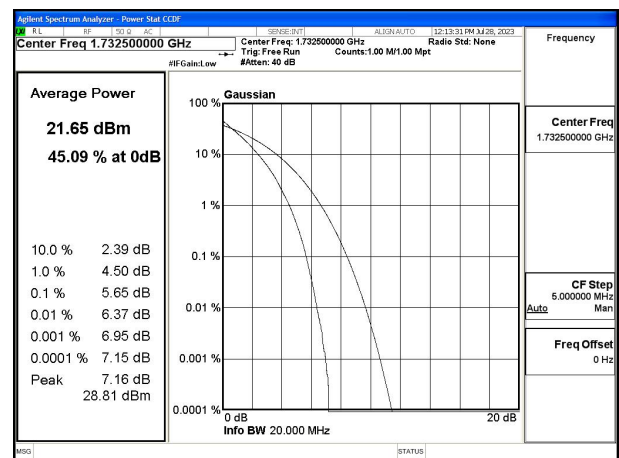


Fig.100

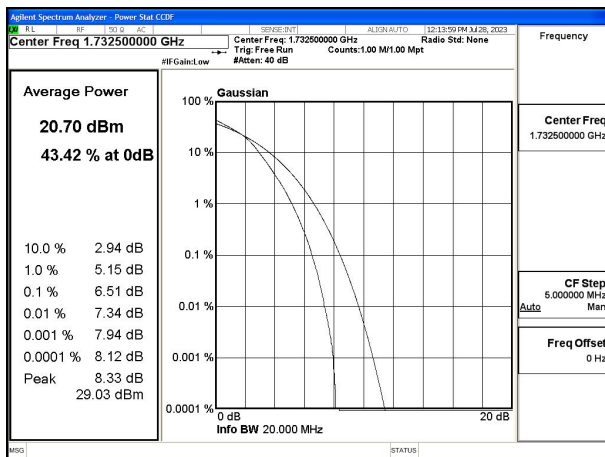


Fig.101

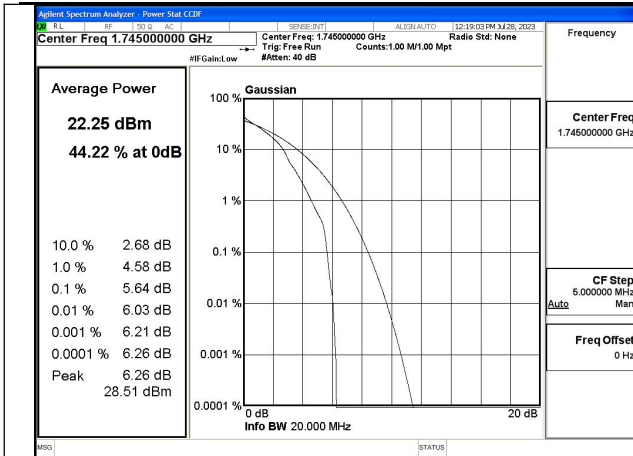


Fig.103

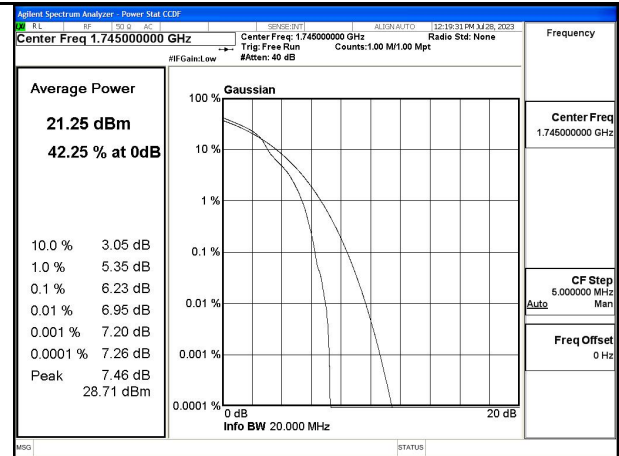


Fig.104

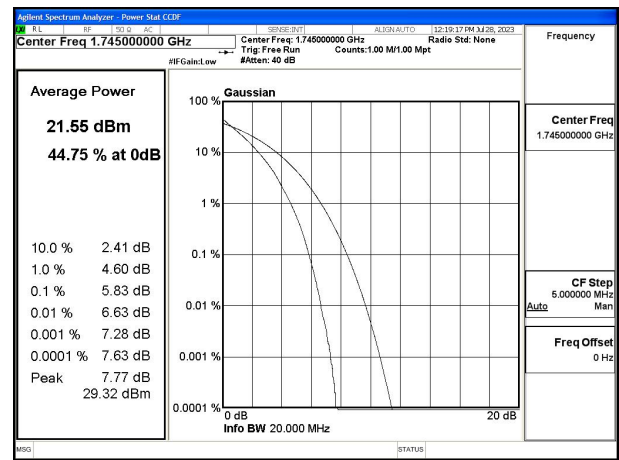
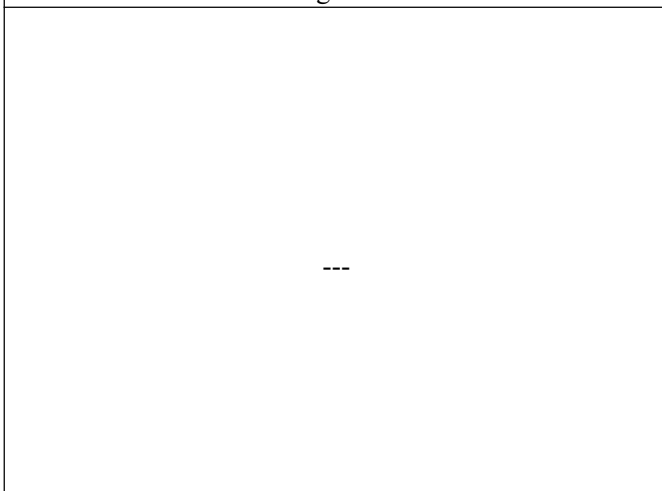


Fig.106

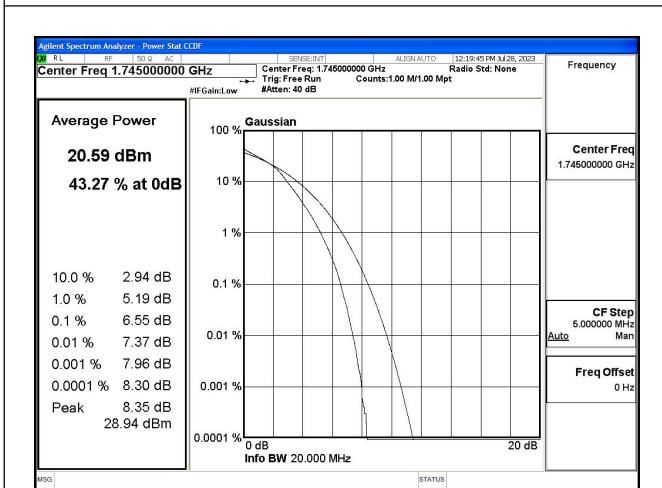
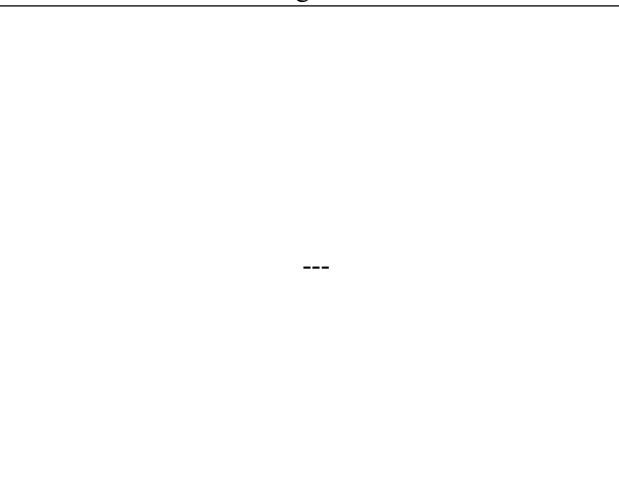


Fig.107



5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1720	20050	20	1	0	Fig.1
4	1732.5	20175	20	1	0	Fig.2
4	1745	20300	20	1	0	Fig.3

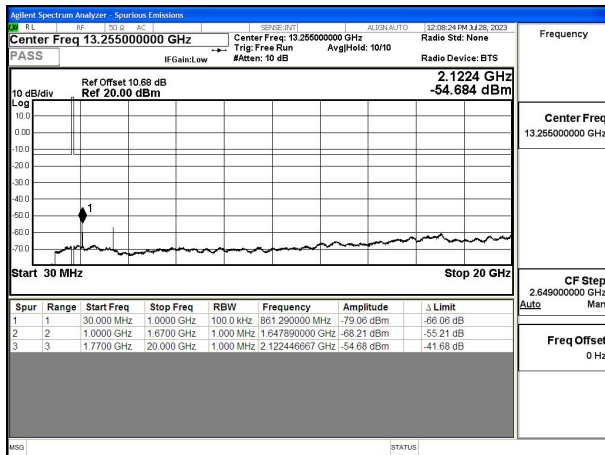


Fig.1

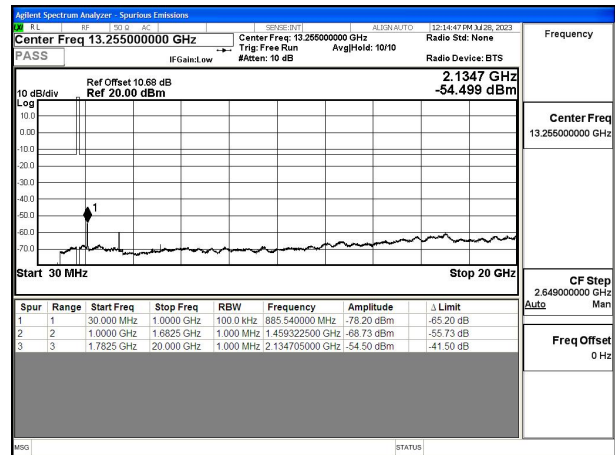


Fig.2

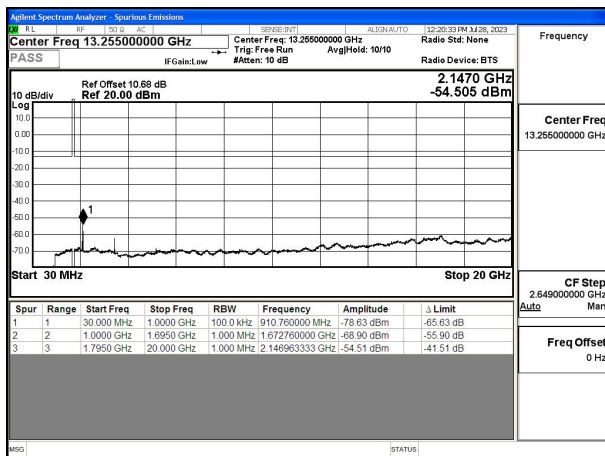


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
4	QPSK	1710.7	19957	1.4	1	0	Fig.1
4	QPSK	1710.7	19957	1.4	6	0	Fig.2
4	QPSK	1754.3	20393	1.4	1	5	Fig.3
4	QPSK	1754.3	20393	1.4	6	0	Fig.4
4	QPSK	1711.5	19965	3	1	0	Fig.5
4	QPSK	1711.5	19965	3	15	0	Fig.6
4	QPSK	1753.5	20385	3	1	14	Fig.7
4	QPSK	1753.5	20385	3	15	0	Fig.8
4	QPSK	1712.5	19975	5	1	0	Fig.9
4	QPSK	1712.5	19975	5	25	0	Fig.10
4	QPSK	1752.5	20375	5	1	24	Fig.11
4	QPSK	1752.5	20375	5	25	0	Fig.12
4	QPSK	1715	20000	10	1	0	Fig.13
4	QPSK	1715	20000	10	50	0	Fig.14
4	QPSK	1750	20350	10	1	49	Fig.15
4	QPSK	1750	20350	10	50	0	Fig.16
4	QPSK	1717.5	20025	15	1	0	Fig.17
4	QPSK	1717.5	20025	15	75	0	Fig.18
4	QPSK	1747.5	20325	15	1	74	Fig.19
4	QPSK	1747.5	20325	15	75	0	Fig.20
4	QPSK	1720	20050	20	1	0	Fig.21
4	QPSK	1720	20050	20	100	0	Fig.22
4	QPSK	1745	20300	20	1	99	Fig.23
4	QPSK	1745	20300	20	100	0	Fig.24

Test Mode: QPSK

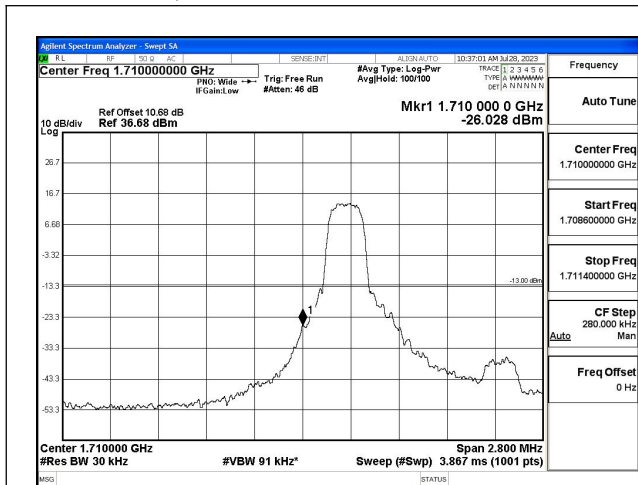


Fig.1

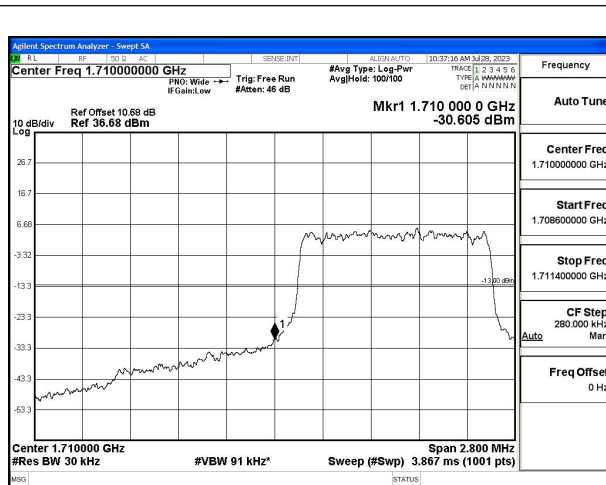


Fig.2

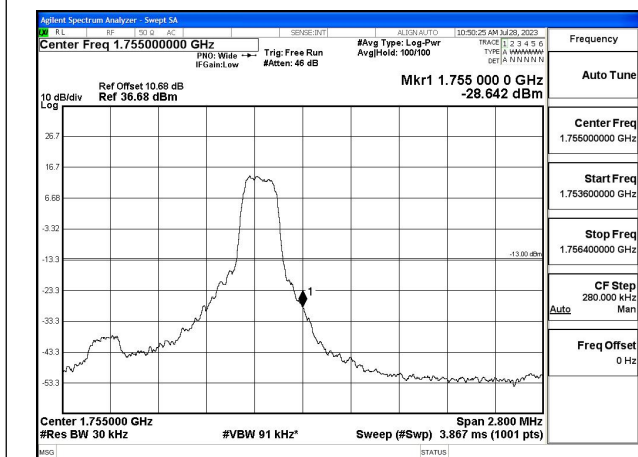


Fig.3

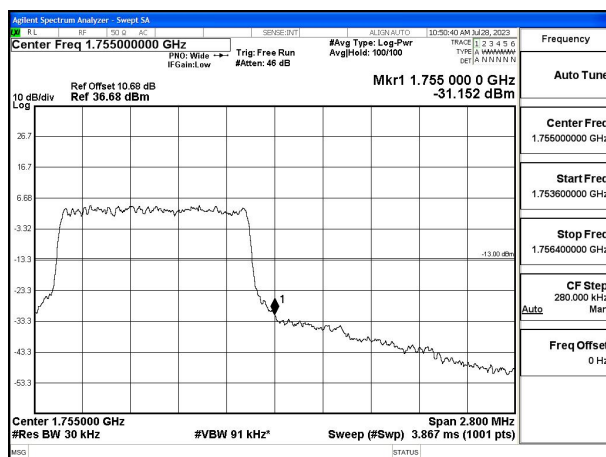


Fig.4

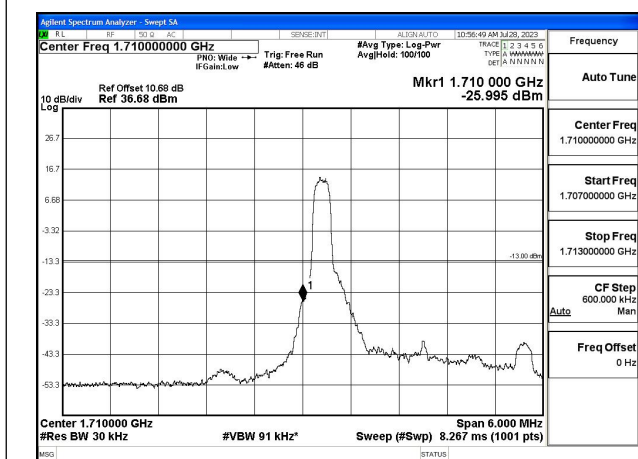


Fig.5

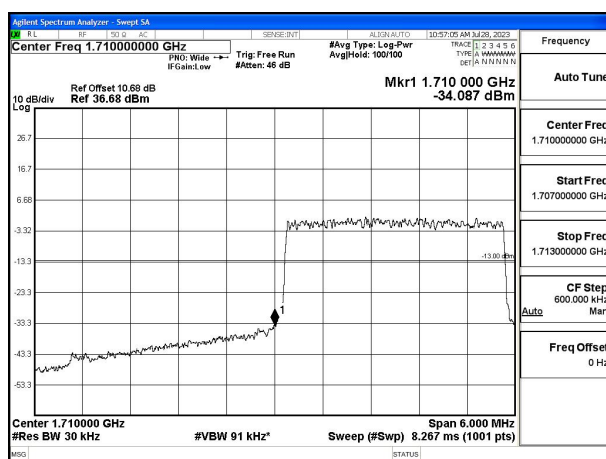


Fig.6

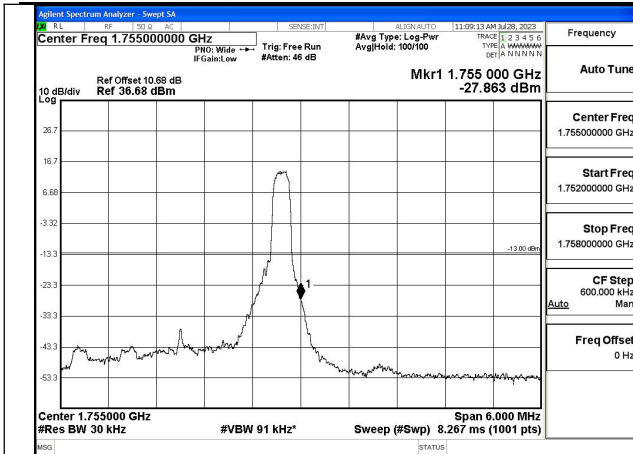


Fig.7

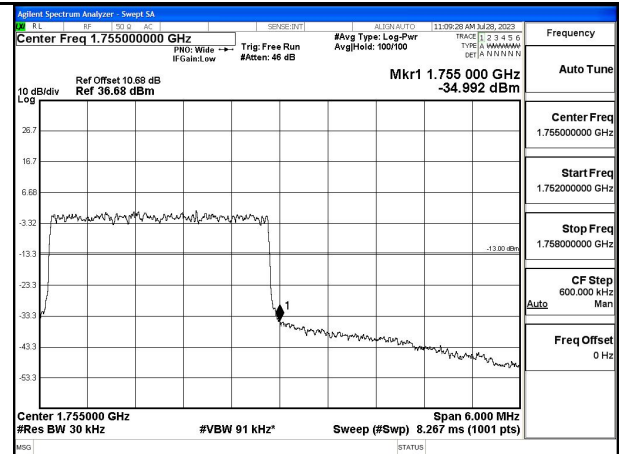


Fig.8

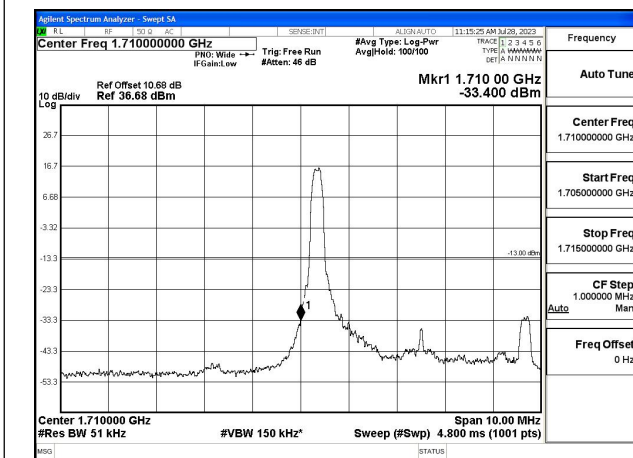


Fig.9

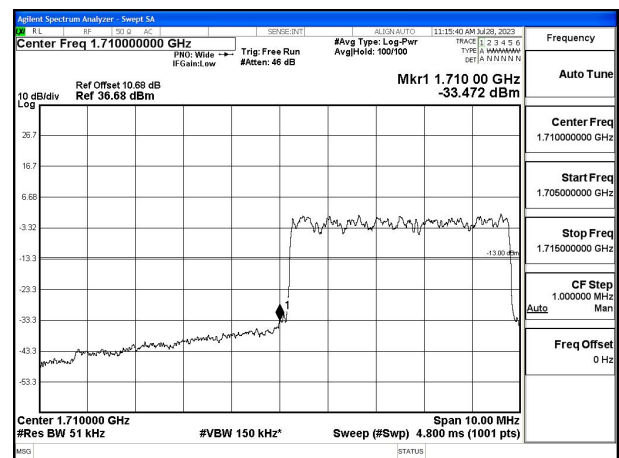


Fig.10

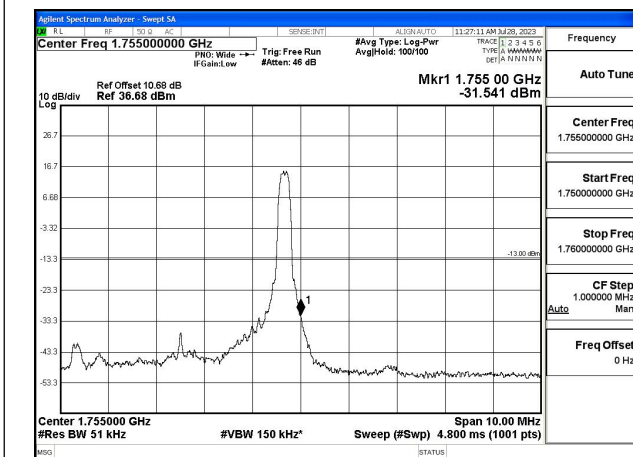


Fig.11

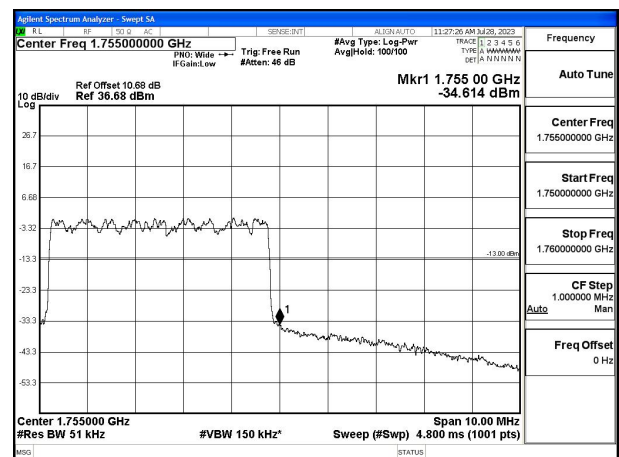


Fig.12

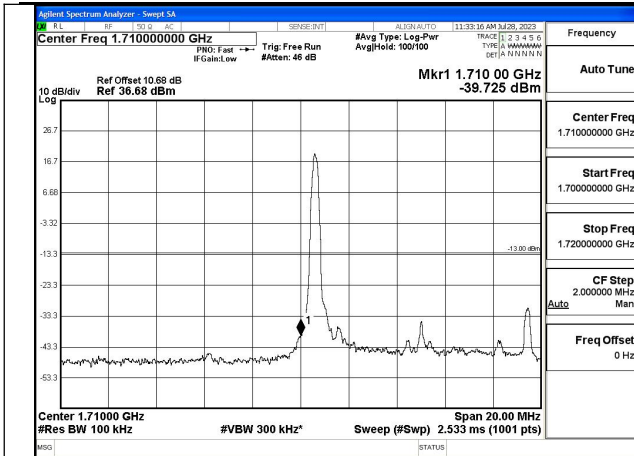


Fig.13

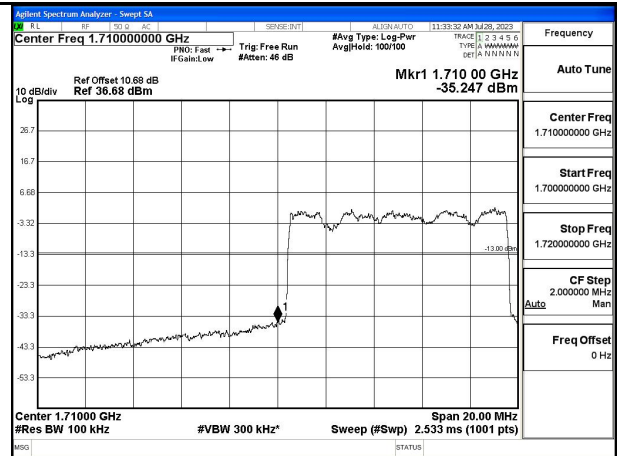


Fig.14

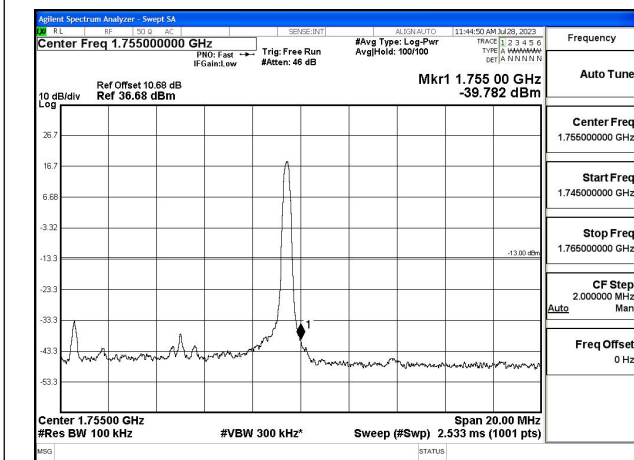


Fig.15

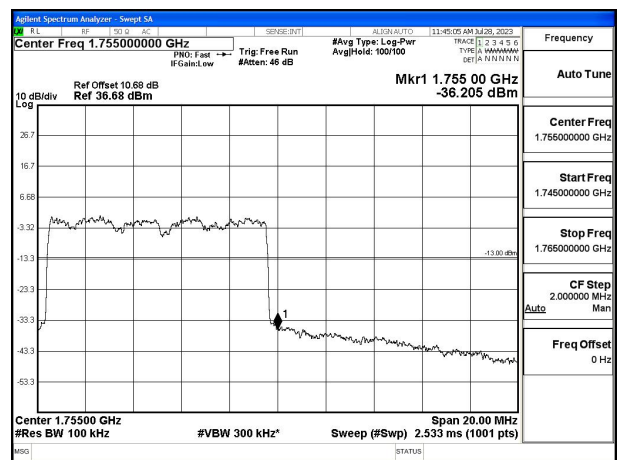


Fig.16

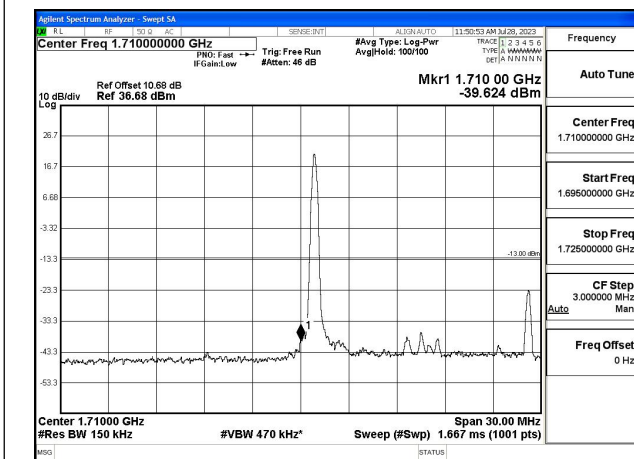


Fig.17

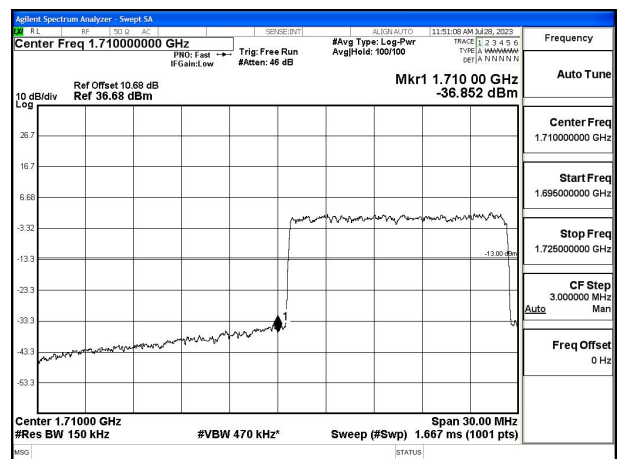


Fig.18

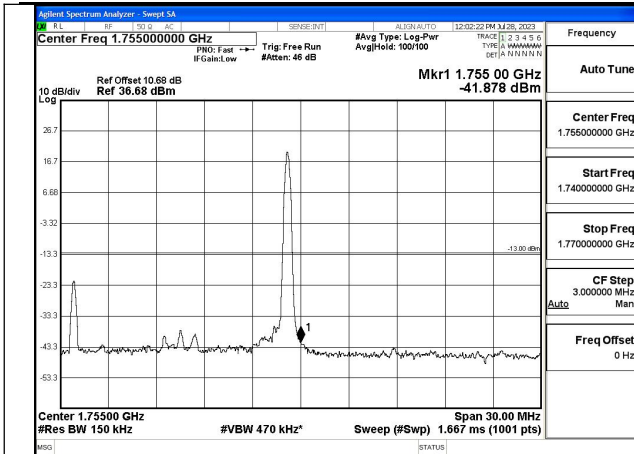


Fig.19

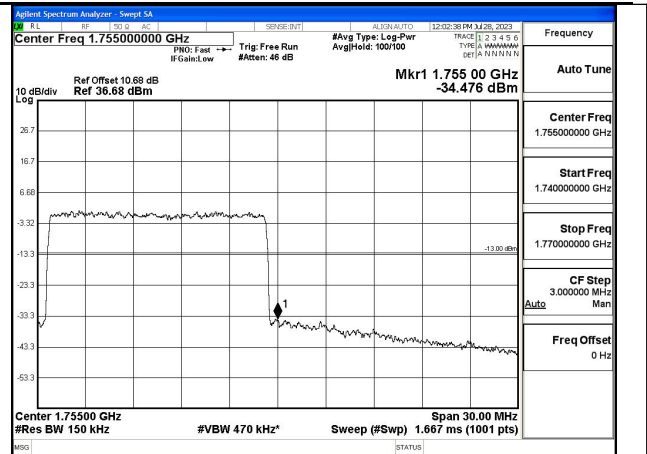


Fig.20

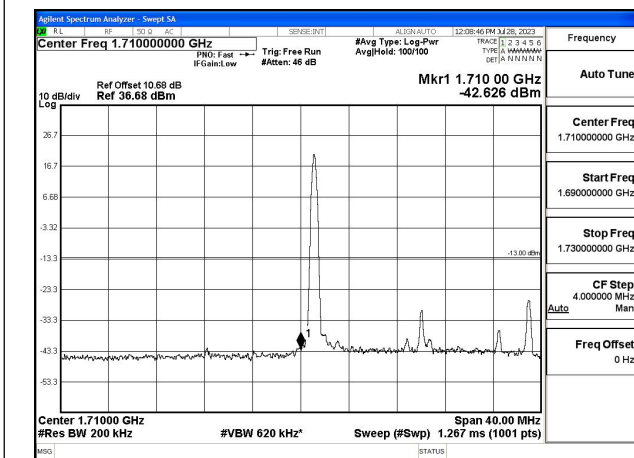


Fig.21

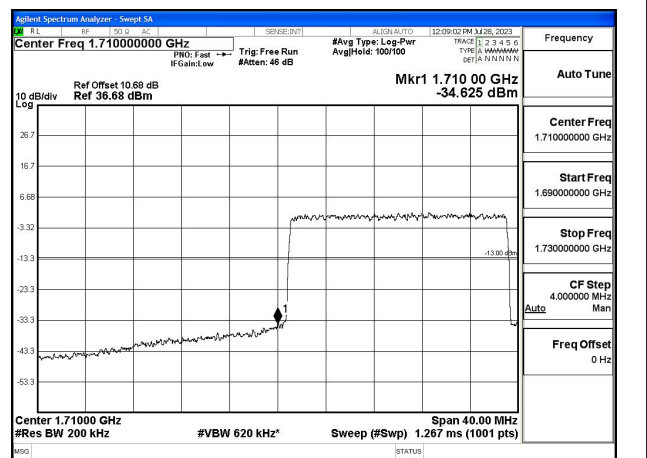


Fig.22

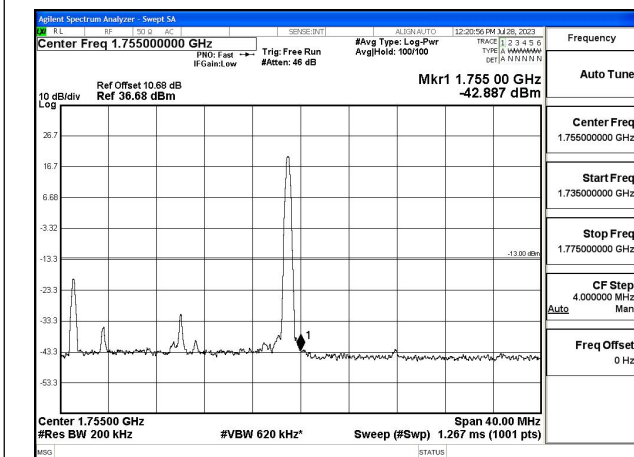


Fig.23

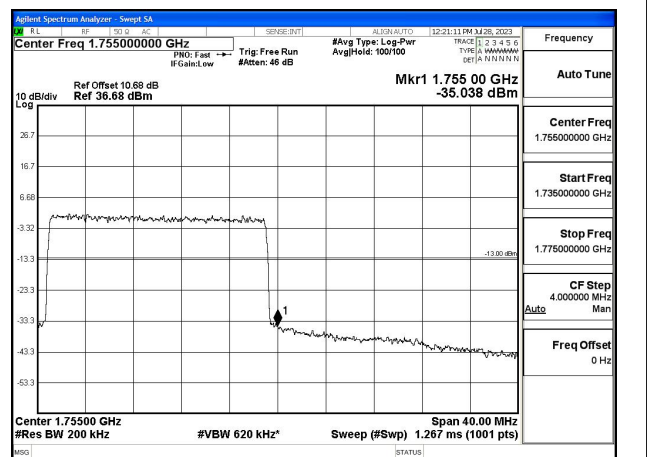


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.004	-0.006	-0.007	-0.007	-0.002	-0.003
0	NV	-0.007	-0.005	-0.004	-0.002	0.000	-0.007
+10	NV	-0.006	-0.004	-0.006	-0.005	-0.005	-0.008
+20	NV	-0.006	0.002	-0.004	-0.003	-0.001	-0.005
+30	NV	-0.008	-0.004	-0.005	0.001	-0.007	-0.006
+40	NV	-0.007	-0.005	-0.008	-0.004	-0.002	-0.008
+50	NV	-0.008	0.004	-0.006	-0.004	-0.004	-0.005
+55	NV	-0.002	-0.006	-0.005	-0.003	-0.005	-0.008
+20	LV	-0.003	-0.004	-0.004	-0.009	-0.003	-0.007
+20	HV	-0.007	-0.006	-0.005	-0.006	0.002	-0.007

Temperature(°C)	Voltage	Test Result (ppm) Band 4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.007	-0.002	-0.002	-0.009	-0.007	-0.004
0	NV	-0.005	-0.006	-0.006	-0.005	-0.006	-0.004
+10	NV	-0.007	-0.005	-0.007	-0.001	-0.007	0.001
+20	NV	-0.005	-0.008	-0.003	-0.005	-0.005	-0.007
+30	NV	-0.007	-0.007	-0.005	-0.006	-0.005	-0.003
+40	NV	-0.007	-0.012	-0.007	-0.006	-0.007	-0.003
+50	NV	-0.003	-0.005	-0.010	-0.006	-0.002	-0.007
+55	NV	-0.004	-0.006	-0.006	-0.007	-0.006	-0.005
+20	LV	-0.006	-0.007	-0.004	-0.004	-0.006	-0.006
+20	HV	-0.007	-0.008	-0.009	-0.006	-0.008	-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	1710.7	19957	1.4	1	0	23.00	21.90	0.155
QPSK	1710.7	19957	1.4	1	3	23.11	22.01	0.159
QPSK	1710.7	19957	1.4	1	5	23.08	21.98	0.158
QPSK	1710.7	19957	1.4	3	0	23.13	22.03	0.160
QPSK	1710.7	19957	1.4	3	1	23.26	22.16	0.164
QPSK	1710.7	19957	1.4	3	3	23.17	22.07	0.161
QPSK	1710.7	19957	1.4	6	0	22.09	20.99	0.126
QPSK	1732.5	20175	1.4	1	0	22.90	21.80	0.151
QPSK	1732.5	20175	1.4	1	3	23.07	21.97	0.157
QPSK	1732.5	20175	1.4	1	5	22.92	21.82	0.152
QPSK	1732.5	20175	1.4	3	0	22.95	21.85	0.153
QPSK	1732.5	20175	1.4	3	1	23.09	21.99	0.158
QPSK	1732.5	20175	1.4	3	3	23.09	21.99	0.158
QPSK	1732.5	20175	1.4	6	0	22.03	20.93	0.124
QPSK	1754.3	20393	1.4	1	0	23.02	21.92	0.156
QPSK	1754.3	20393	1.4	1	3	23.14	22.04	0.160
QPSK	1754.3	20393	1.4	1	5	22.99	21.89	0.155
QPSK	1754.3	20393	1.4	3	0	23.07	21.97	0.157
QPSK	1754.3	20393	1.4	3	1	23.11	22.01	0.159
QPSK	1754.3	20393	1.4	3	3	22.95	21.85	0.153
QPSK	1754.3	20393	1.4	6	0	22.09	20.99	0.126

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1710.7	19957	1.4	1	0	22.06	20.96	0.125
16QAM	1710.7	19957	1.4	1	3	22.33	21.23	0.133
16QAM	1710.7	19957	1.4	1	5	22.10	21.00	0.126
16QAM	1710.7	19957	1.4	3	0	22.24	21.14	0.130
16QAM	1710.7	19957	1.4	3	1	22.29	21.19	0.132
16QAM	1710.7	19957	1.4	3	3	22.26	21.16	0.131
16QAM	1710.7	19957	1.4	6	0	21.36	20.26	0.106
16QAM	1732.5	20175	1.4	1	0	22.19	21.09	0.129
16QAM	1732.5	20175	1.4	1	3	22.30	21.20	0.132
16QAM	1732.5	20175	1.4	1	5	22.23	21.13	0.130
16QAM	1732.5	20175	1.4	3	0	22.03	20.93	0.124
16QAM	1732.5	20175	1.4	3	1	22.19	21.09	0.129
16QAM	1732.5	20175	1.4	3	3	22.13	21.03	0.127
16QAM	1732.5	20175	1.4	6	0	21.05	19.95	0.099
16QAM	1754.3	20393	1.4	1	0	22.22	21.12	0.129
16QAM	1754.3	20393	1.4	1	3	22.51	21.41	0.138
16QAM	1754.3	20393	1.4	1	5	22.27	21.17	0.131

16QAM	1754.3	20393	1.4	3	0	22.06	20.96	0.125
16QAM	1754.3	20393	1.4	3	1	22.04	20.94	0.124
16QAM	1754.3	20393	1.4	3	3	22.01	20.91	0.123
16QAM	1754.3	20393	1.4	6	0	21.16	20.06	0.101

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	19965	3	1	0	22.95	21.85	0.153
QPSK	1711.5	19965	3	1	8	22.90	21.80	0.151
QPSK	1711.5	19965	3	1	14	23.02	21.92	0.156
QPSK	1711.5	19965	3	8	0	21.98	20.88	0.122
QPSK	1711.5	19965	3	8	4	22.01	20.91	0.123
QPSK	1711.5	19965	3	8	7	21.98	20.88	0.122
QPSK	1711.5	19965	3	15	0	21.99	20.89	0.123
QPSK	1732.5	20175	3	1	0	22.82	21.72	0.149
QPSK	1732.5	20175	3	1	8	22.87	21.77	0.150
QPSK	1732.5	20175	3	1	14	22.80	21.70	0.148
QPSK	1732.5	20175	3	8	0	21.85	20.75	0.119
QPSK	1732.5	20175	3	8	4	22.03	20.93	0.124
QPSK	1732.5	20175	3	8	7	21.89	20.79	0.120
QPSK	1732.5	20175	3	15	0	21.90	20.80	0.120
QPSK	1753.5	20385	3	1	0	23.01	21.91	0.155
QPSK	1753.5	20385	3	1	8	22.94	21.84	0.153
QPSK	1753.5	20385	3	1	14	23.01	21.91	0.155
QPSK	1753.5	20385	3	8	0	22.00	20.90	0.123
QPSK	1753.5	20385	3	8	4	22.01	20.91	0.123
QPSK	1753.5	20385	3	8	7	21.95	20.85	0.122
QPSK	1753.5	20385	3	15	0	21.96	20.86	0.122

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1711.5	19965	3	1	0	22.55	21.45	0.140
16QAM	1711.5	19965	3	1	8	22.63	21.53	0.142
16QAM	1711.5	19965	3	1	14	22.64	21.54	0.143
16QAM	1711.5	19965	3	8	0	21.09	19.99	0.100
16QAM	1711.5	19965	3	8	4	21.13	20.03	0.101
16QAM	1711.5	19965	3	8	7	21.06	19.96	0.099
16QAM	1711.5	19965	3	15	0	21.11	20.01	0.100
16QAM	1732.5	20175	3	1	0	22.13	21.03	0.127
16QAM	1732.5	20175	3	1	8	22.11	21.01	0.126
16QAM	1732.5	20175	3	1	14	22.06	20.96	0.125
16QAM	1732.5	20175	3	8	0	20.83	19.73	0.094
16QAM	1732.5	20175	3	8	4	20.89	19.79	0.095
16QAM	1732.5	20175	3	8	7	20.81	19.71	0.094
16QAM	1732.5	20175	3	15	0	20.95	19.85	0.097
16QAM	1753.5	20385	3	1	0	22.29	21.19	0.132
16QAM	1753.5	20385	3	1	8	22.15	21.05	0.127
16QAM	1753.5	20385	3	1	14	22.24	21.14	0.130
16QAM	1753.5	20385	3	8	0	21.02	19.92	0.098
16QAM	1753.5	20385	3	8	4	21.03	19.93	0.098
16QAM	1753.5	20385	3	8	7	20.98	19.88	0.097
16QAM	1753.5	20385	3	15	0	21.07	19.97	0.099

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	22.75	21.65	0.146
QPSK	1712.5	19975	5	1	12	23.09	21.99	0.158
QPSK	1712.5	19975	5	1	24	22.73	21.63	0.146
QPSK	1712.5	19975	5	12	0	21.85	20.75	0.119
QPSK	1712.5	19975	5	12	7	22.04	20.94	0.124
QPSK	1712.5	19975	5	12	13	21.95	20.85	0.122
QPSK	1712.5	19975	5	25	0	21.96	20.86	0.122
QPSK	1732.5	20175	5	1	0	22.74	21.64	0.146
QPSK	1732.5	20175	5	1	12	23.01	21.91	0.155
QPSK	1732.5	20175	5	1	24	22.71	21.61	0.145
QPSK	1732.5	20175	5	12	0	21.90	20.80	0.120
QPSK	1732.5	20175	5	12	7	21.88	20.78	0.120
QPSK	1732.5	20175	5	12	13	21.87	20.77	0.119
QPSK	1732.5	20175	5	25	0	21.93	20.83	0.121
QPSK	1752.5	20375	5	1	0	22.82	21.72	0.149
QPSK	1752.5	20375	5	1	12	23.14	22.04	0.160
QPSK	1752.5	20375	5	1	24	22.86	21.76	0.150
QPSK	1752.5	20375	5	12	0	21.93	20.83	0.121
QPSK	1752.5	20375	5	12	7	22.10	21.00	0.126
QPSK	1752.5	20375	5	12	13	22.00	20.90	0.123
QPSK	1752.5	20375	5	25	0	21.92	20.82	0.121

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1712.5	19975	5	1	0	21.94	20.84	0.121
16QAM	1712.5	19975	5	1	12	22.28	21.18	0.131
16QAM	1712.5	19975	5	1	24	22.04	20.94	0.124
16QAM	1712.5	19975	5	12	0	20.87	19.77	0.095
16QAM	1712.5	19975	5	12	7	20.94	19.84	0.096
16QAM	1712.5	19975	5	12	13	20.93	19.83	0.096
16QAM	1712.5	19975	5	25	0	20.92	19.82	0.096
16QAM	1732.5	20175	5	1	0	22.13	21.03	0.127
16QAM	1732.5	20175	5	1	12	22.40	21.30	0.135
16QAM	1732.5	20175	5	1	24	22.16	21.06	0.128
16QAM	1732.5	20175	5	12	0	20.89	19.79	0.095
16QAM	1732.5	20175	5	12	7	20.87	19.77	0.095
16QAM	1732.5	20175	5	12	13	20.76	19.66	0.092
16QAM	1732.5	20175	5	25	0	20.89	19.79	0.095
16QAM	1752.5	20375	5	1	0	22.21	21.11	0.129
16QAM	1752.5	20375	5	1	12	22.41	21.31	0.135
16QAM	1752.5	20375	5	1	24	22.16	21.06	0.128
16QAM	1752.5	20375	5	12	0	20.87	19.77	0.095
16QAM	1752.5	20375	5	12	7	20.98	19.88	0.097
16QAM	1752.5	20375	5	12	13	20.99	19.89	0.097
16QAM	1752.5	20375	5	25	0	21.06	19.96	0.099

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	20000	10	1	0	22.83	21.73	0.149
QPSK	1715	20000	10	1	25	23.01	21.91	0.155
QPSK	1715	20000	10	1	49	22.88	21.78	0.151
QPSK	1715	20000	10	25	0	21.94	20.84	0.121
QPSK	1715	20000	10	25	12	21.96	20.86	0.122
QPSK	1715	20000	10	25	25	21.93	20.83	0.121
QPSK	1715	20000	10	50	0	22.01	20.91	0.123
QPSK	1732.5	20175	10	1	0	22.85	21.75	0.150
QPSK	1732.5	20175	10	1	25	22.95	21.85	0.153
QPSK	1732.5	20175	10	1	49	22.92	21.82	0.152
QPSK	1732.5	20175	10	25	0	21.88	20.78	0.120
QPSK	1732.5	20175	10	25	12	21.96	20.86	0.122
QPSK	1732.5	20175	10	25	25	21.92	20.82	0.121
QPSK	1732.5	20175	10	50	0	21.96	20.86	0.122
QPSK	1750	20350	10	1	0	22.87	21.77	0.150
QPSK	1750	20350	10	1	25	23.12	22.02	0.159
QPSK	1750	20350	10	1	49	22.92	21.82	0.152
QPSK	1750	20350	10	25	0	21.99	20.89	0.123
QPSK	1750	20350	10	25	12	21.97	20.87	0.122
QPSK	1750	20350	10	25	25	22.00	20.90	0.123
QPSK	1750	20350	10	50	0	21.95	20.85	0.122

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1715	20000	10	1	0	22.57	21.47	0.140
16QAM	1715	20000	10	1	25	22.54	21.44	0.139
16QAM	1715	20000	10	1	49	22.52	21.42	0.139
16QAM	1715	20000	10	25	0	20.97	19.87	0.097
16QAM	1715	20000	10	25	12	21.02	19.92	0.098
16QAM	1715	20000	10	25	25	21.03	19.93	0.098
16QAM	1715	20000	10	50	0	21.04	19.94	0.099
16QAM	1732.5	20175	10	1	0	22.07	20.97	0.125
16QAM	1732.5	20175	10	1	25	22.25	21.15	0.130
16QAM	1732.5	20175	10	1	49	22.13	21.03	0.127
16QAM	1732.5	20175	10	25	0	21.00	19.90	0.098
16QAM	1732.5	20175	10	25	12	21.02	19.92	0.098
16QAM	1732.5	20175	10	25	25	20.91	19.81	0.096
16QAM	1732.5	20175	10	50	0	20.90	19.80	0.095
16QAM	1750	20350	10	1	0	22.13	21.03	0.127
16QAM	1750	20350	10	1	25	22.34	21.24	0.133
16QAM	1750	20350	10	1	49	22.17	21.07	0.128
16QAM	1750	20350	10	25	0	21.03	19.93	0.098
16QAM	1750	20350	10	25	12	21.07	19.97	0.099
16QAM	1750	20350	10	25	25	21.10	20.00	0.100
16QAM	1750	20350	10	50	0	21.05	19.95	0.099

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	20025	15	1	0	22.74	21.64	0.146
QPSK	1717.5	20025	15	1	37	22.97	21.87	0.154
QPSK	1717.5	20025	15	1	74	22.68	21.58	0.144
QPSK	1717.5	20025	15	36	0	21.86	20.76	0.119
QPSK	1717.5	20025	15	36	29	21.92	20.82	0.121
QPSK	1717.5	20025	15	36	30	21.89	20.79	0.120
QPSK	1717.5	20025	15	75	0	21.95	20.85	0.122
QPSK	1732.5	20175	15	1	0	22.73	21.63	0.146
QPSK	1732.5	20175	15	1	37	22.92	21.82	0.152
QPSK	1732.5	20175	15	1	74	22.78	21.68	0.147
QPSK	1732.5	20175	15	36	0	21.87	20.77	0.119
QPSK	1732.5	20175	15	36	29	21.84	20.74	0.119
QPSK	1732.5	20175	15	36	30	21.85	20.75	0.119
QPSK	1732.5	20175	15	75	0	21.87	20.77	0.119
QPSK	1747.5	20325	15	1	0	22.76	21.66	0.147
QPSK	1747.5	20325	15	1	37	22.99	21.89	0.155
QPSK	1747.5	20325	15	1	74	22.83	21.73	0.149
QPSK	1747.5	20325	15	36	0	21.97	20.87	0.122
QPSK	1747.5	20325	15	36	29	21.92	20.82	0.121
QPSK	1747.5	20325	15	36	30	21.96	20.86	0.122
QPSK	1747.5	20325	15	75	0	21.85	20.75	0.119

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1717.5	20025	15	1	0	22.48	21.38	0.137
16QAM	1717.5	20025	15	1	37	22.58	21.48	0.141
16QAM	1717.5	20025	15	1	74	22.34	21.24	0.133
16QAM	1717.5	20025	15	36	0	20.93	19.83	0.096
16QAM	1717.5	20025	15	36	29	20.98	19.88	0.097
16QAM	1717.5	20025	15	36	30	20.91	19.81	0.096
16QAM	1717.5	20025	15	75	0	20.90	19.80	0.095
16QAM	1732.5	20175	15	1	0	21.95	20.85	0.122
16QAM	1732.5	20175	15	1	37	22.18	21.08	0.128
16QAM	1732.5	20175	15	1	74	22.01	20.91	0.123
16QAM	1732.5	20175	15	36	0	20.94	19.84	0.096
16QAM	1732.5	20175	15	36	29	20.83	19.73	0.094
16QAM	1732.5	20175	15	36	30	20.88	19.78	0.095
16QAM	1732.5	20175	15	75	0	20.87	19.77	0.095
16QAM	1747.5	20325	15	1	0	22.19	21.09	0.129
16QAM	1747.5	20325	15	1	37	22.49	21.39	0.138
16QAM	1747.5	20325	15	1	74	22.22	21.12	0.129
16QAM	1747.5	20325	15	36	0	20.97	19.87	0.097
16QAM	1747.5	20325	15	36	29	20.94	19.84	0.096
16QAM	1747.5	20325	15	36	30	20.93	19.83	0.096
16QAM	1747.5	20325	15	75	0	20.87	19.77	0.095

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	22.65	21.55	0.143
QPSK	1720	20050	20	1	49	22.75	21.65	0.146
QPSK	1720	20050	20	1	99	22.57	21.47	0.140
QPSK	1720	20050	20	50	0	21.87	20.77	0.119
QPSK	1720	20050	20	50	24	21.93	20.83	0.121
QPSK	1720	20050	20	50	50	21.92	20.82	0.121
QPSK	1720	20050	20	100	0	21.88	20.78	0.120
QPSK	1732.5	20175	20	1	0	22.61	21.51	0.142
QPSK	1732.5	20175	20	1	49	22.89	21.79	0.151
QPSK	1732.5	20175	20	1	99	22.63	21.53	0.142
QPSK	1732.5	20175	20	50	0	21.93	20.83	0.121
QPSK	1732.5	20175	20	50	24	21.91	20.81	0.121
QPSK	1732.5	20175	20	50	50	21.73	20.63	0.116
QPSK	1732.5	20175	20	100	0	21.83	20.73	0.118
QPSK	1745	20300	20	1	0	22.52	21.42	0.139
QPSK	1745	20300	20	1	49	22.92	21.82	0.152
QPSK	1745	20300	20	1	99	22.59	21.49	0.141
QPSK	1745	20300	20	50	0	21.99	20.89	0.123
QPSK	1745	20300	20	50	24	21.93	20.83	0.121
QPSK	1745	20300	20	50	50	21.86	20.76	0.119
QPSK	1745	20300	20	100	0	21.94	20.84	0.121

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1720	20050	20	1	0	22.03	20.93	0.124
16QAM	1720	20050	20	1	49	22.26	21.16	0.131
16QAM	1720	20050	20	1	99	22.04	20.94	0.124
16QAM	1720	20050	20	50	0	20.87	19.77	0.095
16QAM	1720	20050	20	50	24	20.93	19.83	0.096
16QAM	1720	20050	20	50	50	21.01	19.91	0.098
16QAM	1720	20050	20	100	0	20.97	19.87	0.097
16QAM	1732.5	20175	20	1	0	21.92	20.82	0.121
16QAM	1732.5	20175	20	1	49	22.36	21.26	0.134
16QAM	1732.5	20175	20	1	99	21.93	20.83	0.121
16QAM	1732.5	20175	20	50	0	20.96	19.86	0.097
16QAM	1732.5	20175	20	50	24	20.89	19.79	0.095
16QAM	1732.5	20175	20	50	50	20.82	19.72	0.094
16QAM	1732.5	20175	20	100	0	20.84	19.74	0.094
16QAM	1745	20300	20	1	0	21.99	20.89	0.123
16QAM	1745	20300	20	1	49	22.37	21.27	0.134
16QAM	1745	20300	20	1	99	22.11	21.01	0.126
16QAM	1745	20300	20	50	0	21.01	19.91	0.098
16QAM	1745	20300	20	50	24	20.96	19.86	0.097
16QAM	1745	20300	20	50	50	20.89	19.79	0.095
16QAM	1745	20300	20	100	0	20.97	19.87	0.097

The original report test date

LTE Band 4

1 RF Power Output

PRF Power Output						
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	19957	1.4	1	0	22.67
				1	5	22.55
				3	2	21.61
				6	0	21.59
	1732.5	20175		1	0	22.66
				1	5	22.65
				3	2	21.70
				6	0	21.63
	1754.3	20393		1	0	22.86
				1	5	22.78
				3	2	21.88
				6	0	21.75
16QAM	1710.7	19957	1.4	1	0	21.75
				1	5	21.53
				3	2	20.65

				6	0	20.59
	1732.5	20175		1	0	21.72
				1	5	21.63
				3	2	20.70
				6	0	20.65
				1754.3	20393	1
	1	5				21.79
	3	2				20.95
	6	0				20.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	19965	3	1	0	22.69
				1	14	22.63
				8	4	21.63
				15	0	21.61
	1732.5	20175		1	0	22.77
				1	14	22.70
				8	4	21.66
				15	0	21.63
	1753.5	20385		1	0	22.80
				1	14	22.88
				8	4	21.90
				15	0	21.85
16QAM	1711.5	19965	3	1	0	21.68
				1	14	21.52
				8	4	20.60
				15	0	20.61
	1732.5	20175		1	0	21.75
				1	14	21.70
				8	4	20.74
				15	0	20.69
	1753.5	20385		1	0	21.95
				1	14	21.78
				8	4	20.98
				15	0	20.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	22.81
				1	24	22.59
				12	6	21.66
				25	0	21.59
	1732.5	20175		1	0	22.73
				1	24	22.77
				12	6	21.65
				25	0	21.63
	1752.5	20375		1	0	22.94
				1	24	22.88
				12	6	21.97
				25	0	21.81
16QAM	1712.5	19975	5	1	0	21.75
				1	24	21.67
				12	6	20.67
				25	0	20.57
	1732.5	20175		1	0	21.81
				1	24	21.75
				12	6	20.67
				25	0	20.63
	1752.5	20375		1	0	22.00
				1	24	21.91
				12	6	21.00
				25	0	20.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	20000	10	1	0	22.87
				1	49	22.70
				24	12	21.79
				50	0	21.66
	1732.5	20175		1	0	22.81
				1	49	22.74
				24	12	21.75
				50	0	21.69
	1750	20350		1	0	22.96
				1	49	22.99
				24	12	22.04
				50	0	21.90
16QAM	1715	20000	10	1	0	21.88
				1	49	21.67
				24	12	20.79
				50	0	20.72
	1732.5	20175		1	0	21.83
				1	49	21.75
				24	12	20.79
				50	0	20.80
	1750	20350		1	0	22.05
				1	49	21.90
				24	12	21.08
				50	0	20.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	20025	15	1	0	22.90
				1	74	22.76
				40	18	21.73
				75	0	21.74
	1732.5	20175		1	0	22.83
				1	74	22.79
				40	18	21.83
				75	0	21.74
	1747.5	20325		1	0	23.06
				1	74	22.93
				40	18	22.07
				75	0	22.00
16QAM	1717.5	20025	15	1	0	21.93
				1	74	21.76
				40	18	20.81
				75	0	20.77
	1732.5	20175		1	0	21.88
				1	74	21.87
				40	18	20.85
				75	0	20.80
	1747.5	20325		1	0	22.08
				1	74	22.01
				40	18	21.14
				75	0	21.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	20050	20	1	0	22.95
				1	99	22.83
				50	25	21.87
				100	0	21.83
	1732.5	20175		1	0	22.97
				1	99	22.91
				50	25	21.92
				100	0	21.87
	1745	20300		1	0	23.11
				1	99	23.08
				50	25	22.18
				100	0	22.06
16QAM	1720	20050	20	1	0	21.99
				1	99	21.82
				50	25	20.91
				100	0	20.83
	1732.5	20175		1	0	21.98
				1	99	21.92
				50	25	20.94
				100	0	20.90
	1745	20300		1	0	22.16
				1	99	22.06
				50	25	21.20
				100	0	21.11

Test results conducted power measurement (Reduced Power)

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	19957	1.4	1	0	14.67
				1	5	14.55
				3	2	13.61
				6	0	13.59
	1732.5	20175		1	0	14.66
				1	5	14.65
				3	2	13.70
				6	0	13.63
	1754.3	20393		1	0	14.86
				1	5	14.78
				3	2	13.88
				6	0	13.75
16QAM	1710.7	19957	1.4	1	0	13.75
				1	5	13.53
				3	2	12.65
				6	0	12.59
	1732.5	20175		1	0	13.72
				1	5	13.63
				3	2	12.70
				6	0	12.65
	1754.3	20393		1	0	13.94
				1	5	13.79
				3	2	12.95
				6	0	12.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	19965	3	1	0	14.69
				1	14	14.63
				8	4	13.63
				15	0	13.61
	1732.5	20175		1	0	14.77
				1	14	14.70
				8	4	13.66
				15	0	13.63
	1753.5	20385		1	0	14.80
				1	14	14.88
				8	4	13.90
				15	0	13.85
16QAM	1711.5	19965	3	1	0	13.68
				1	14	13.52
				8	4	12.60
				15	0	12.61
	1732.5	20175		1	0	13.75
				1	14	13.70
				8	4	12.74
				15	0	12.69
	1753.5	20385		1	0	13.95
				1	14	13.78
				8	4	12.98
				15	0	12.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	14.81
				1	24	14.59
				12	6	13.66
				25	0	13.59
	1732.5	20175		1	0	14.73
				1	24	14.77
				12	6	13.65
				25	0	13.63
	1752.5	20375		1	0	14.94
				1	24	14.88
				12	6	13.97
				25	0	13.81
16QAM	1712.5	19975	5	1	0	13.75
				1	24	13.67
				12	6	12.67
				25	0	12.57
	1732.5	20175		1	0	13.81
				1	24	13.75
				12	6	12.67
				25	0	12.63
	1752.5	20375		1	0	14.00
				1	24	13.91
				12	6	13.00
				25	0	12.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	20000	10	1	0	14.87
				1	49	14.70
				24	12	13.79
				50	0	13.66
	1732.5	20175		1	0	14.81
				1	49	14.74
				24	12	13.75
				50	0	13.69
	1750	20350		1	0	14.96
				1	49	14.99
				24	12	14.04
				50	0	13.90
16QAM	1715	20000	10	1	0	13.88
				1	49	13.67
				24	12	12.79
				50	0	12.72
	1732.5	20175		1	0	13.83
				1	49	13.75
				24	12	12.79
				50	0	12.80
	1750	20350		1	0	14.05
				1	49	13.90
				24	12	13.08
				50	0	12.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	20025	15	1	0	14.90
				1	74	14.76
				40	18	13.73
				75	0	13.74
	1732.5	20175		1	0	14.83
				1	74	14.79
				40	18	13.83
				75	0	13.74
	1747.5	20325		1	0	15.06
				1	74	14.93
				40	18	14.07
				75	0	14.00
16QAM	1717.5	20025	15	1	0	13.93
				1	74	13.76
				40	18	12.81
				75	0	12.77
	1732.5	20175		1	0	13.88
				1	74	13.87
				40	18	12.85
				75	0	12.80
	1747.5	20325		1	0	14.08
				1	74	14.01
				40	18	13.14
				75	0	13.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	20050	20	1	0	14.95
				1	99	14.83
				50	25	13.87
				100	0	13.83
	1732.5	20175		1	0	14.97
				1	99	14.91
				50	25	13.92
				100	0	13.87
	1745	20300		1	0	15.11
				1	99	15.08
				50	25	14.18
				100	0	14.06
16QAM	1720	20050	20	1	0	13.99
				1	99	13.82
				50	25	12.91
				100	0	12.83
	1732.5	20175		1	0	13.98
				1	99	13.92
				50	25	12.94
				100	0	12.90
	1745	20300		1	0	14.16
				1	99	14.06
				50	25	13.20
				100	0	13.11

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
4	1710.7	19957	1.4	6	0	1.0829	Fig.1	1.0818	Fig.2
	1732.5	20175		6	0	1.0822	Fig.3	1.0842	Fig.4
	1754.3	20393		6	0	1.0831	Fig.5	1.0830	Fig.6
	1711.5	19965	3	15	0	2.6866	Fig.7	2.6929	Fig.8
	1732.5	20175		15	0	2.6922	Fig.9	2.6880	Fig.10
	1753.5	20385		15	0	2.6910	Fig.11	2.6930	Fig.12
	1712.5	19975	5	25	0	4.4771	Fig.13	4.4778	Fig.14
	1732.5	20175		25	0	4.4770	Fig.15	4.4771	Fig.16
	1752.5	20375		25	0	4.4771	Fig.17	4.4743	Fig.18
	1715	20000	10	50	0	8.9258	Fig.19	8.9427	Fig.20
	1732.5	20175		50	0	8.9358	Fig.21	8.9483	Fig.22
	1750	20350		50	0	8.9329	Fig.23	8.9248	Fig.24
	1717.5	20025	15	75	0	13.414	Fig.25	13.430	Fig.26
	1732.5	20175		75	0	13.400	Fig.27	13.434	Fig.28
	1747.5	20325		75	0	13.414	Fig.29	13.398	Fig.30
	1720	20050	20	100	0	17.829	Fig.31	17.798	Fig.32
	1732.5	20175		100	0	17.849	Fig.33	17.831	Fig.34
	1745	20300		100	0	17.818	Fig.35	17.841	Fig.36

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
4	1710.7	19957	1.4	6	0	1.265	Fig.1	1.266	Fig.2
	1732.5	20175		6	0	1.269	Fig.3	1.268	Fig.4
	1754.3	20393		6	0	1.261	Fig.5	1.258	Fig.6
	1711.5	19965	3	15	0	2.982	Fig.7	3.005	Fig.8
	1732.5	20175		15	0	2.980	Fig.9	2.972	Fig.10
	1753.5	20385		15	0	2.976	Fig.11	2.964	Fig.12
	1712.5	19975	5	25	0	4.933	Fig.13	4.935	Fig.14
	1732.5	20175		25	0	4.941	Fig.15	4.935	Fig.16
	1752.5	20375		25	0	4.935	Fig.17	4.974	Fig.18
	1715	20000	10	50	0	9.770	Fig.19	9.640	Fig.20
	1732.5	20175		50	0	9.724	Fig.21	9.708	Fig.22
	1750	20350		50	0	9.659	Fig.23	9.592	Fig.24
	1717.5	20025	15	75	0	14.43	Fig.25	14.53	Fig.26
	1732.5	20175		75	0	14.49	Fig.27	14.40	Fig.28
	1747.5	20325		75	0	14.46	Fig.29	14.38	Fig.30
	1720	20050	20	100	0	19.13	Fig.31	18.93	Fig.32
	1732.5	20175		100	0	19.43	Fig.33	19.16	Fig.34
	1745	20300		100	0	19.15	Fig.35	18.82	Fig.36

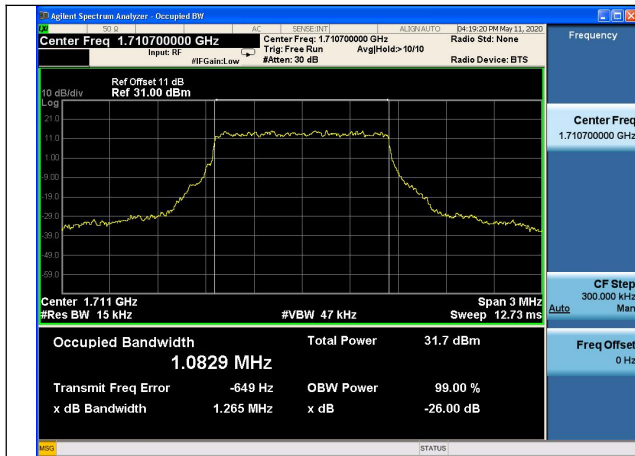


Fig.1

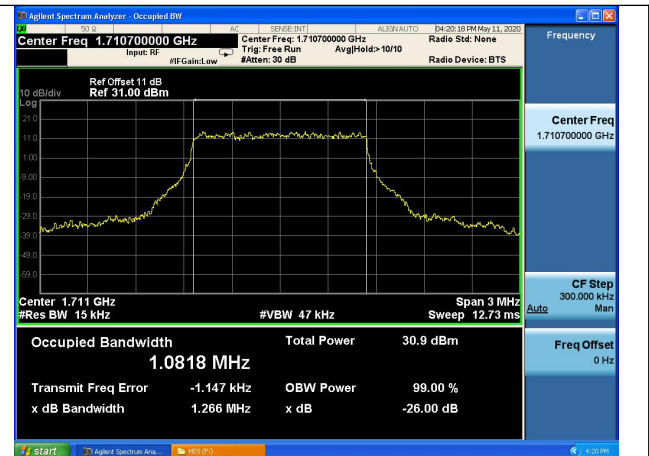


Fig.2

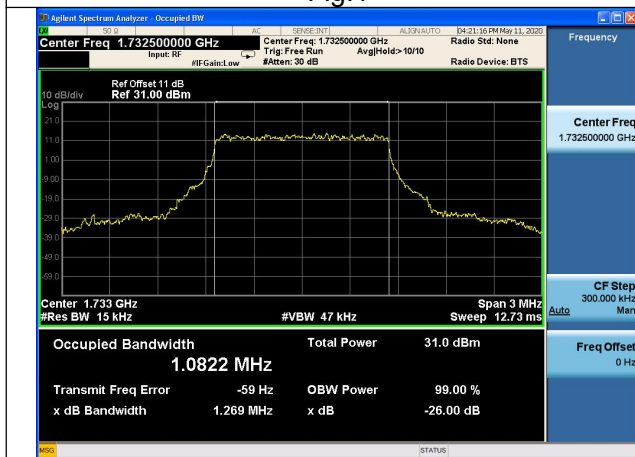


Fig.3



Fig.4

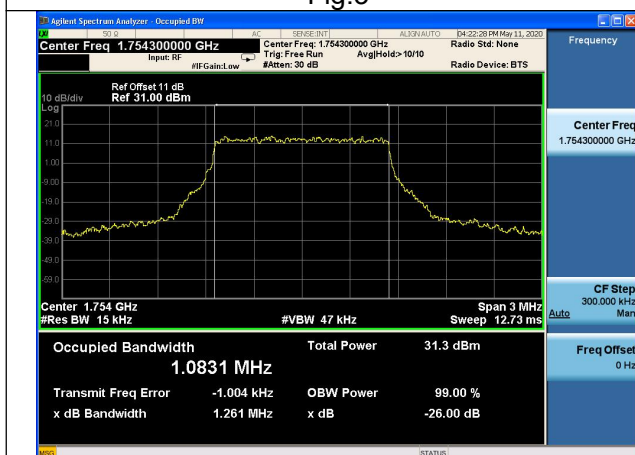


Fig.5



Fig.6