

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION****LTE Band 17****1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	706.5	23755	5	1	0	23.47
QPSK	706.5	23755	5	1	12	23.68
QPSK	706.5	23755	5	1	24	23.48
QPSK	706.5	23755	5	12	0	22.63
QPSK	706.5	23755	5	12	7	22.66
QPSK	706.5	23755	5	12	13	22.67
QPSK	706.5	23755	5	25	0	22.66
QPSK	710	23790	5	1	0	23.72
QPSK	710	23790	5	1	12	23.71
QPSK	710	23790	5	1	24	23.61
QPSK	710	23790	5	12	0	22.78
QPSK	710	23790	5	12	7	22.72
QPSK	710	23790	5	12	13	22.72
QPSK	710	23790	5	25	0	22.73
QPSK	713.5	23825	5	1	0	23.70
QPSK	713.5	23825	5	1	12	23.68
QPSK	713.5	23825	5	1	24	23.71
QPSK	713.5	23825	5	12	0	22.73
QPSK	713.5	23825	5	12	7	22.84
QPSK	713.5	23825	5	12	13	22.73
QPSK	713.5	23825	5	25	0	22.79



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	23.06
16QAM	706.5	23755	5	1	12	22.77
16QAM	706.5	23755	5	1	24	22.84
16QAM	706.5	23755	5	12	0	21.69
16QAM	706.5	23755	5	12	7	21.85
16QAM	706.5	23755	5	12	13	21.77
16QAM	706.5	23755	5	25	0	21.65
16QAM	710	23790	5	1	0	23.04
16QAM	710	23790	5	1	12	22.80
16QAM	710	23790	5	1	24	23.21
16QAM	710	23790	5	12	0	21.75
16QAM	710	23790	5	12	7	21.76
16QAM	710	23790	5	12	13	21.85
16QAM	710	23790	5	25	0	21.61
16QAM	713.5	23825	5	1	0	23.30
16QAM	713.5	23825	5	1	12	23.34
16QAM	713.5	23825	5	1	24	23.22
16QAM	713.5	23825	5	12	0	21.69
16QAM	713.5	23825	5	12	7	21.92
16QAM	713.5	23825	5	12	13	21.69
16QAM	713.5	23825	5	25	0	21.75
64QAM	706.5	23755	5	1	0	22.31
64QAM	706.5	23755	5	1	12	22.74
64QAM	706.5	23755	5	1	24	22.41
64QAM	706.5	23755	5	12	0	21.65
64QAM	706.5	23755	5	12	7	21.78
64QAM	706.5	23755	5	12	13	21.75
64QAM	706.5	23755	5	25	0	21.65
64QAM	710	23790	5	1	0	22.85
64QAM	710	23790	5	1	12	22.64
64QAM	710	23790	5	1	24	22.67
64QAM	710	23790	5	12	0	21.71
64QAM	710	23790	5	12	7	21.69
64QAM	710	23790	5	12	13	21.73
64QAM	710	23790	5	25	0	21.79
64QAM	713.5	23825	5	1	0	22.35
64QAM	713.5	23825	5	1	12	22.72
64QAM	713.5	23825	5	1	24	22.65
64QAM	713.5	23825	5	12	0	21.59
64QAM	713.5	23825	5	12	7	21.82
64QAM	713.5	23825	5	12	13	21.75
64QAM	713.5	23825	5	25	0	21.66



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.77
QPSK	709	23780	10	1	25	23.65
QPSK	709	23780	10	1	49	23.64
QPSK	709	23780	10	25	0	22.65
QPSK	709	23780	10	25	12	22.79
QPSK	709	23780	10	25	25	22.85
QPSK	709	23780	10	50	0	22.72
QPSK	710	23790	10	1	0	23.70
QPSK	710	23790	10	1	25	23.74
QPSK	710	23790	10	1	49	23.74
QPSK	710	23790	10	25	0	22.75
QPSK	710	23790	10	25	12	22.77
QPSK	710	23790	10	25	25	22.80
QPSK	710	23790	10	50	0	22.70
QPSK	711	23800	10	1	0	23.60
QPSK	711	23800	10	1	25	23.74
QPSK	711	23800	10	1	49	23.74
QPSK	711	23800	10	25	0	22.70
QPSK	711	23800	10	25	12	22.75
QPSK	711	23800	10	25	25	22.78
QPSK	711	23800	10	50	0	22.68



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	23.03
16QAM	709	23780	10	1	25	23.15
16QAM	709	23780	10	1	49	23.00
16QAM	709	23780	10	25	0	21.71
16QAM	709	23780	10	25	12	21.88
16QAM	709	23780	10	25	25	21.64
16QAM	709	23780	10	50	0	21.77
16QAM	710	23790	10	1	0	23.05
16QAM	710	23790	10	1	25	23.06
16QAM	710	23790	10	1	49	22.83
16QAM	710	23790	10	25	0	21.72
16QAM	710	23790	10	25	12	21.60
16QAM	710	23790	10	25	25	21.76
16QAM	710	23790	10	50	0	21.81
16QAM	711	23800	10	1	0	23.31
16QAM	711	23800	10	1	25	23.16
16QAM	711	23800	10	1	49	23.16
16QAM	711	23800	10	25	0	21.73
16QAM	711	23800	10	25	12	21.67
16QAM	711	23800	10	25	25	21.84
16QAM	711	23800	10	50	0	21.70
64QAM	709	23780	10	1	0	22.71
64QAM	709	23780	10	1	25	23.13
64QAM	709	23780	10	1	49	22.77
64QAM	709	23780	10	25	0	21.64
64QAM	709	23780	10	25	12	21.81
64QAM	709	23780	10	25	25	21.78
64QAM	709	23780	10	50	0	21.73
64QAM	710	23790	10	1	0	21.57
64QAM	710	23790	10	1	25	22.06
64QAM	710	23790	10	1	49	22.43
64QAM	710	23790	10	25	0	20.76
64QAM	710	23790	10	25	12	20.97
64QAM	710	23790	10	25	25	20.79
64QAM	710	23790	10	50	0	20.77
64QAM	711	23800	10	1	0	22.13
64QAM	711	23800	10	1	25	21.99
64QAM	711	23800	10	1	49	22.13
64QAM	711	23800	10	25	0	20.72
64QAM	711	23800	10	25	12	20.79
64QAM	711	23800	10	25	25	20.84
64QAM	711	23800	10	50	0	20.67



2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.474	Fig.1
17	QPSK	710	23790	5	25	0	4.471	Fig.2
17	QPSK	713.5	23825	5	25	0	4.463	Fig.3
17	QPSK	709	23780	10	50	0	8.923	Fig.4
17	QPSK	710	23790	10	50	0	8.900	Fig.5
17	QPSK	711	23800	10	50	0	8.904	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.463	Fig.7
17	16QAM	710	23790	5	25	0	4.458	Fig.8
17	16QAM	713.5	23825	5	25	0	4.471	Fig.9
17	16QAM	709	23780	10	50	0	8.899	Fig.10
17	16QAM	710	23790	10	50	0	8.950	Fig.11
17	16QAM	711	23800	10	50	0	8.903	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.455	Fig.13
17	64QAM	710	23790	5	25	0	4.474	Fig.14
17	64QAM	713.5	23825	5	25	0	4.452	Fig.15
17	64QAM	709	23780	10	50	0	8.865	Fig.16
17	64QAM	710	23790	10	50	0	8.905	Fig.17
17	64QAM	711	23800	10	50	0	8.940	Fig.18

Test Mode: QPSK

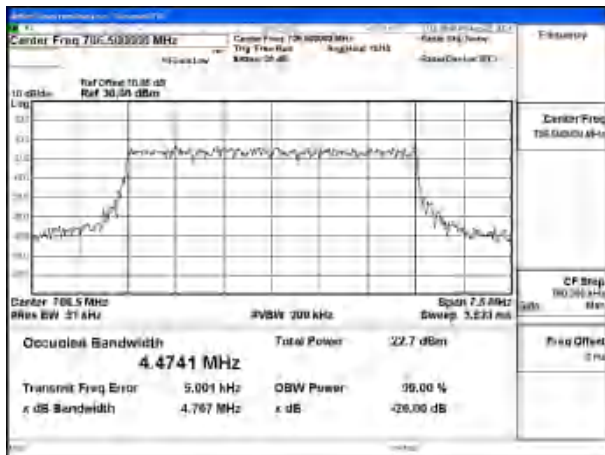


Fig.1

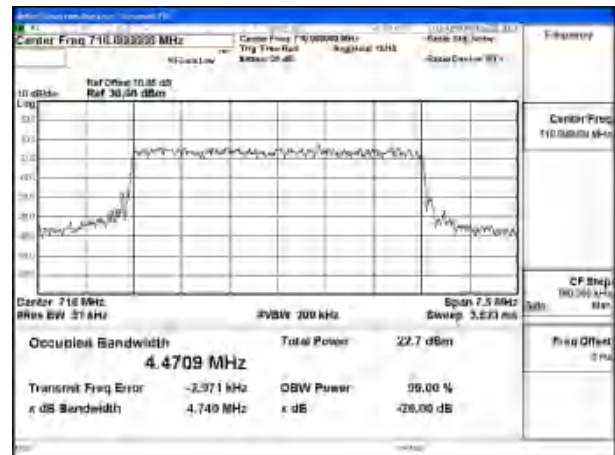


Fig.2

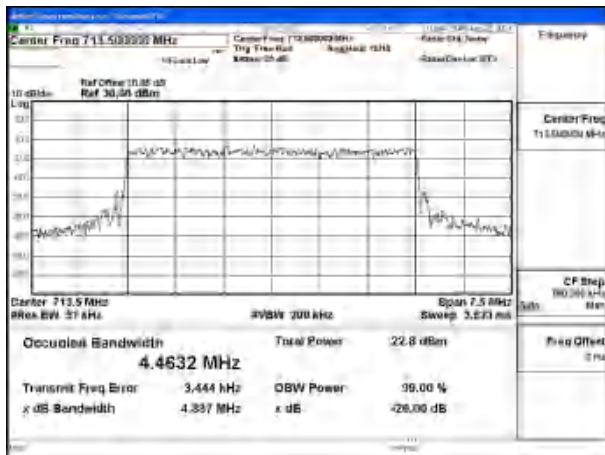


Fig.3



Fig.4

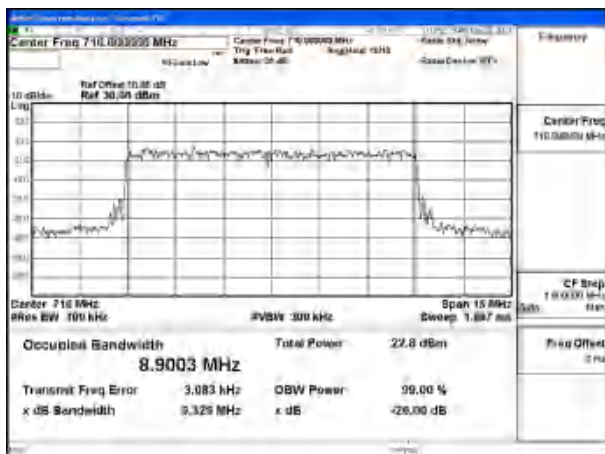


Fig.5

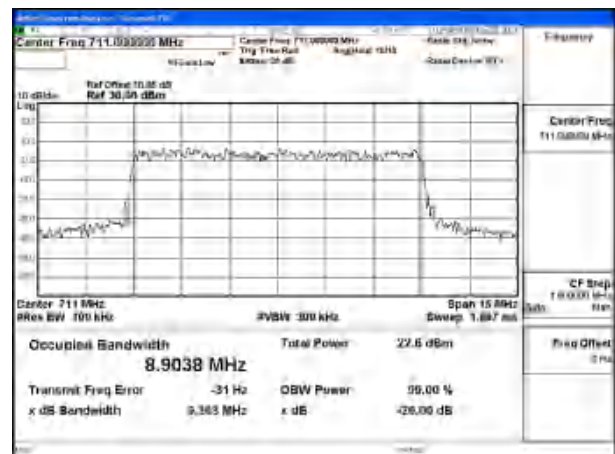


Fig.6

Test Mode: 16QAM

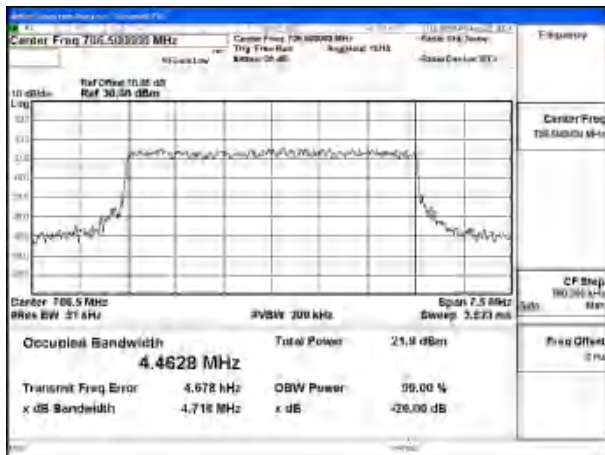


Fig.7

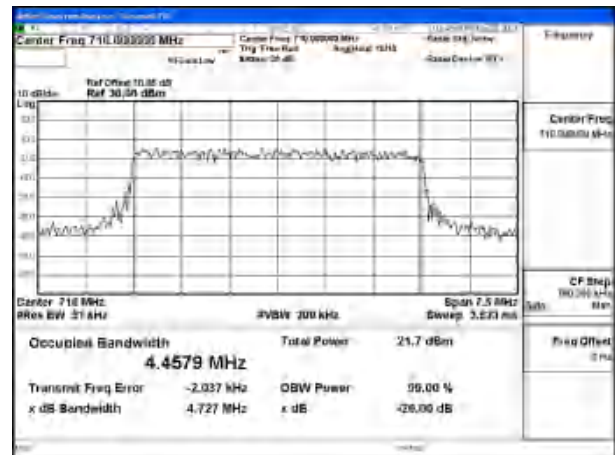


Fig.8

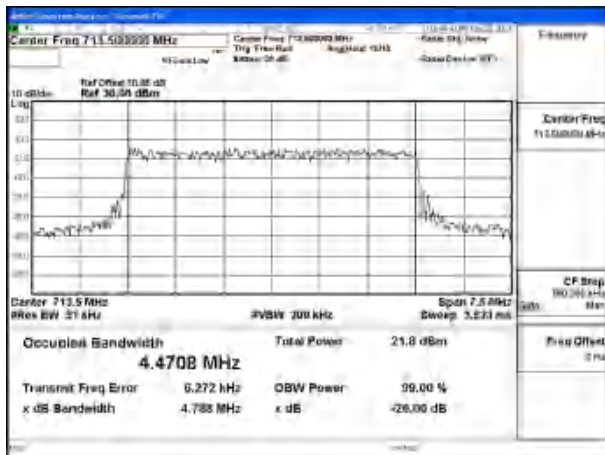


Fig.9



Fig.10

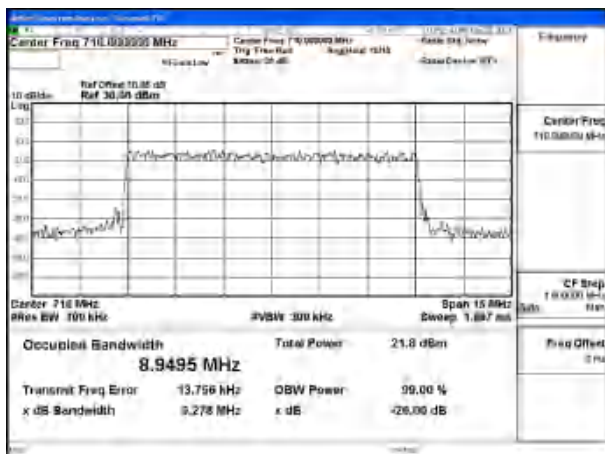


Fig.11

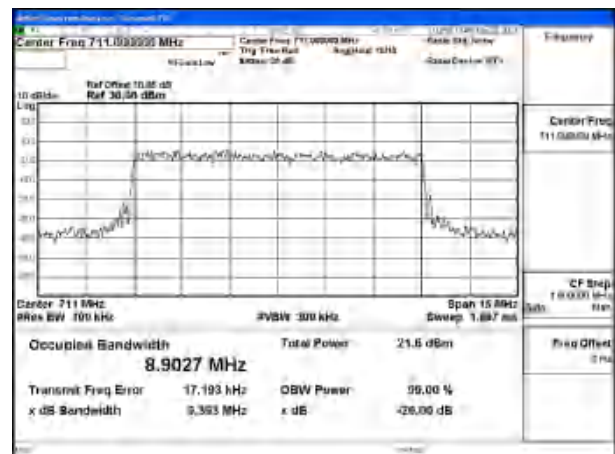


Fig.12



Test Mode: 64QAM

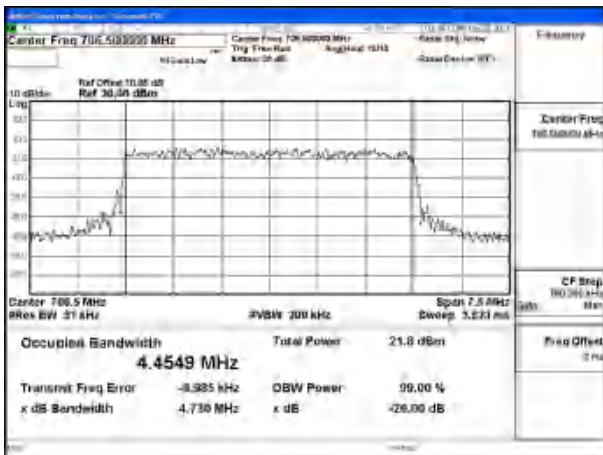


Fig.13

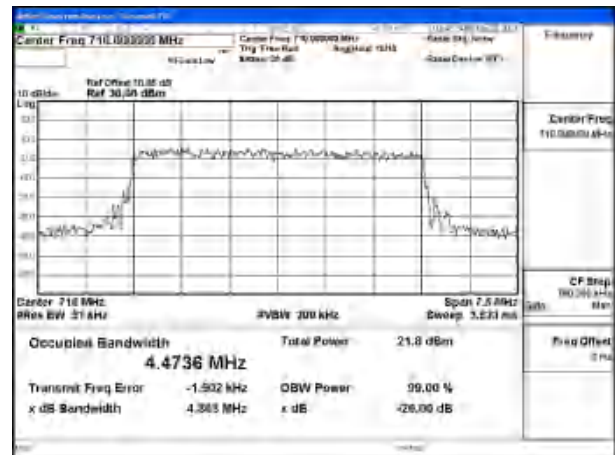


Fig.14

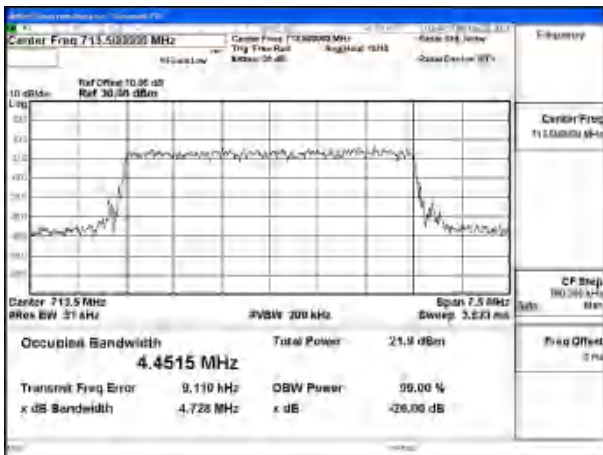


Fig.15

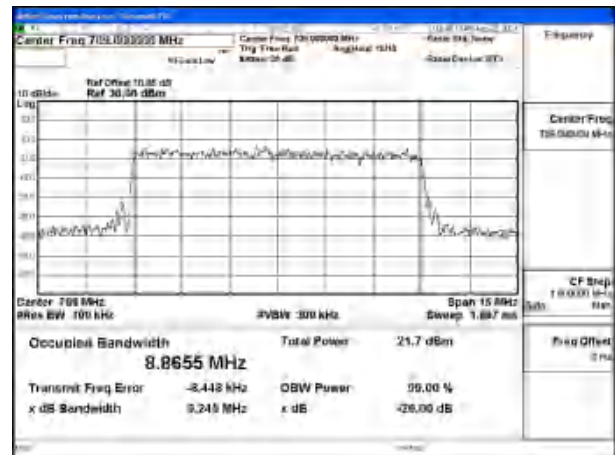


Fig.16

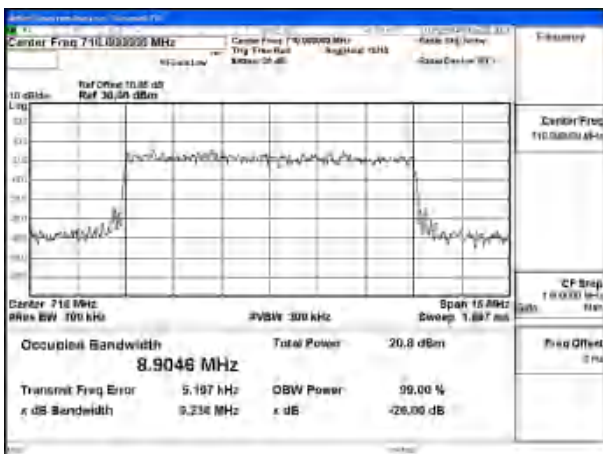


Fig.17

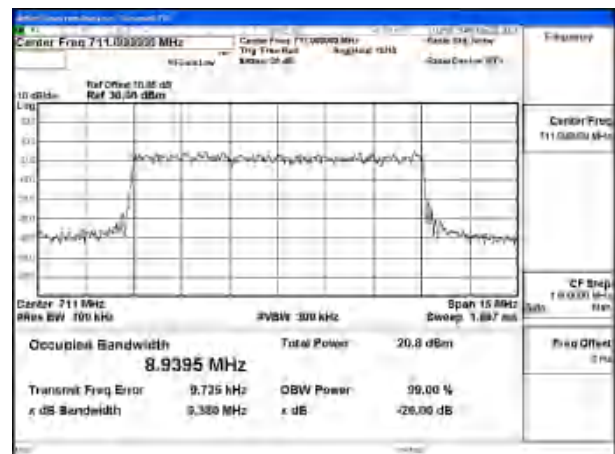


Fig.18



3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.767	Fig.1
17	QPSK	710	23790	5	25	0	4.740	Fig.2
17	QPSK	713.5	23825	5	25	0	4.837	Fig.3
17	QPSK	709	23780	10	50	0	9.304	Fig.4
17	QPSK	710	23790	10	50	0	9.329	Fig.5
17	QPSK	711	23800	10	50	0	9.363	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.716	Fig.7
17	16QAM	710	23790	5	25	0	4.727	Fig.8
17	16QAM	713.5	23825	5	25	0	4.788	Fig.9
17	16QAM	709	23780	10	50	0	9.243	Fig.10
17	16QAM	710	23790	10	50	0	9.278	Fig.11
17	16QAM	711	23800	10	50	0	9.393	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.730	Fig.13
17	64QAM	710	23790	5	25	0	4.863	Fig.14
17	64QAM	713.5	23825	5	25	0	4.728	Fig.15
17	64QAM	709	23780	10	50	0	9.245	Fig.16
17	64QAM	710	23790	10	50	0	9.236	Fig.17
17	64QAM	711	23800	10	50	0	9.380	Fig.18

Test Mode: QPSK

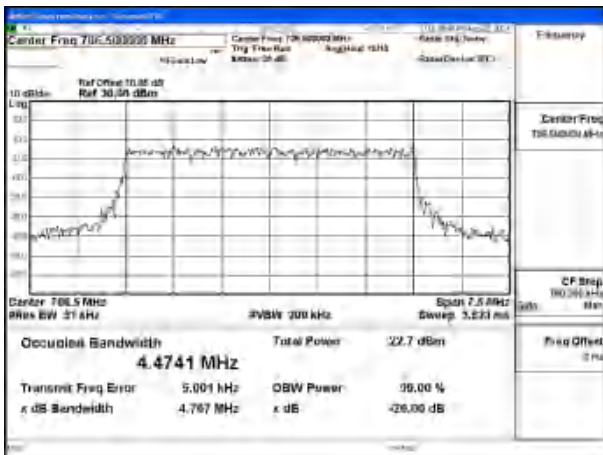


Fig.1

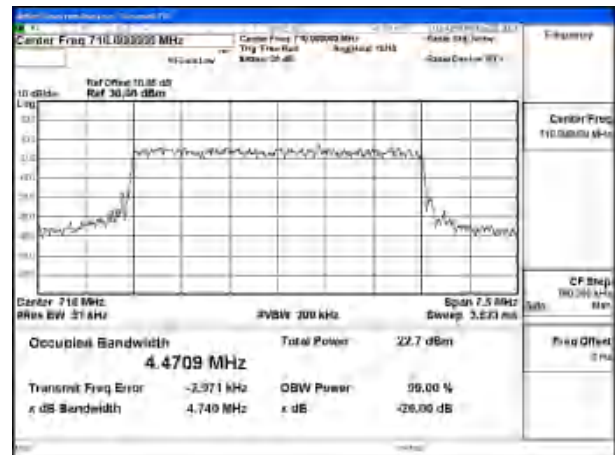


Fig.2

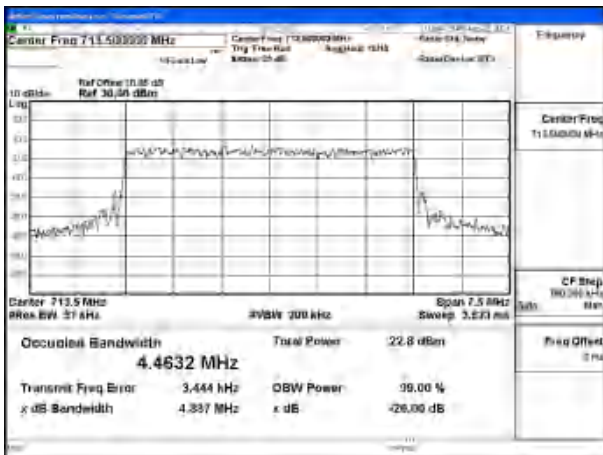


Fig.3



Fig.4

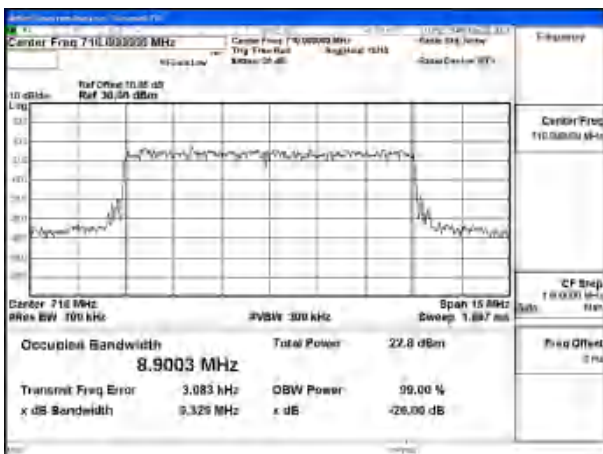


Fig.5

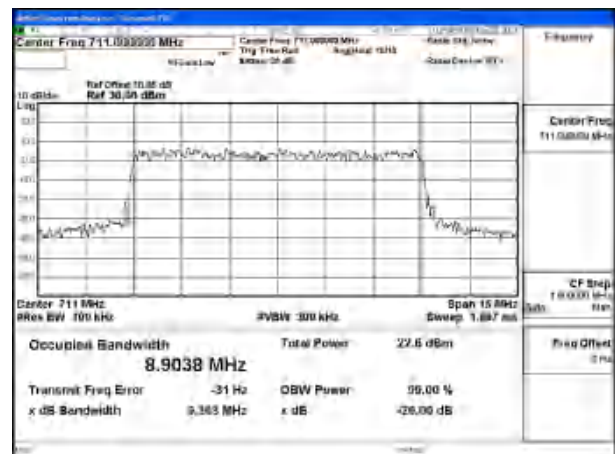


Fig.6

Test Mode: 16QAM

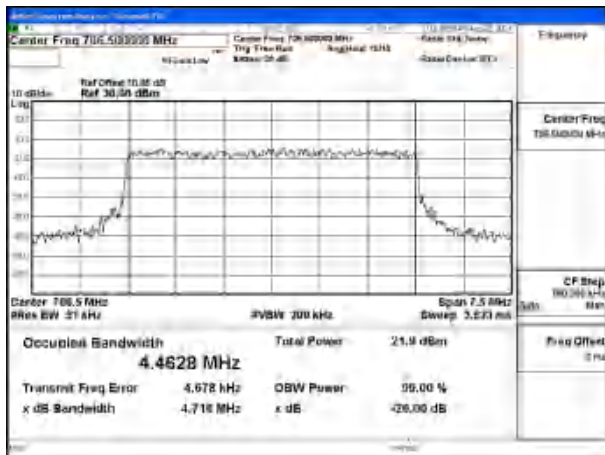


Fig.7

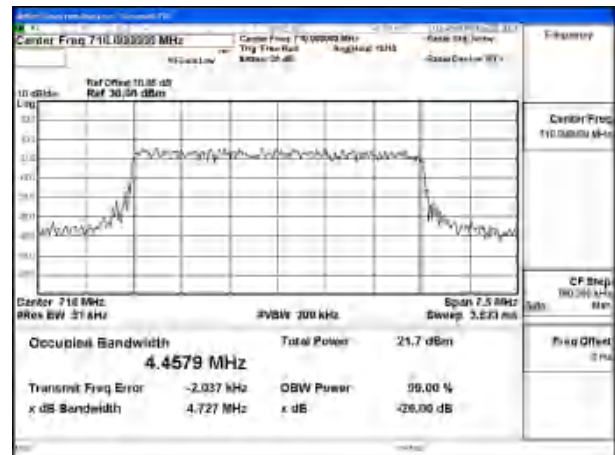


Fig.8

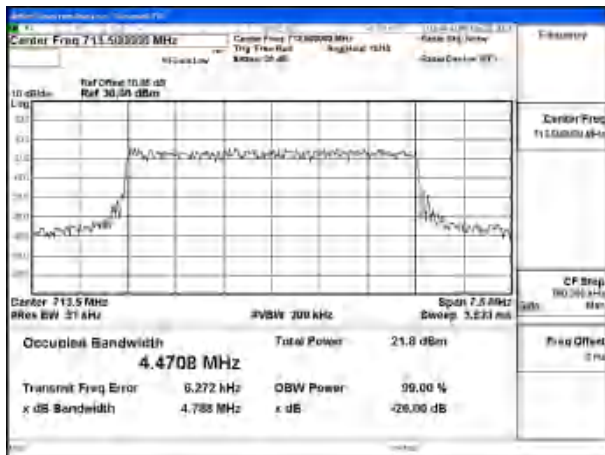


Fig.9



Fig.10

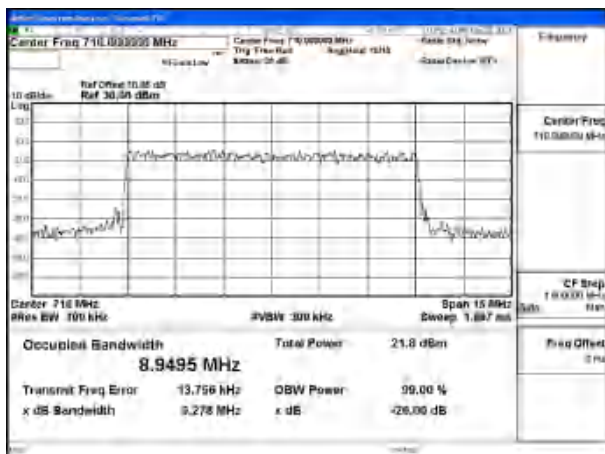


Fig.11

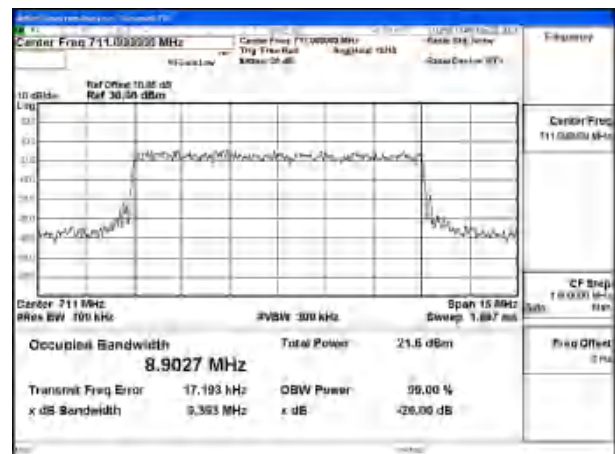


Fig.12

Test Mode: 64QAM

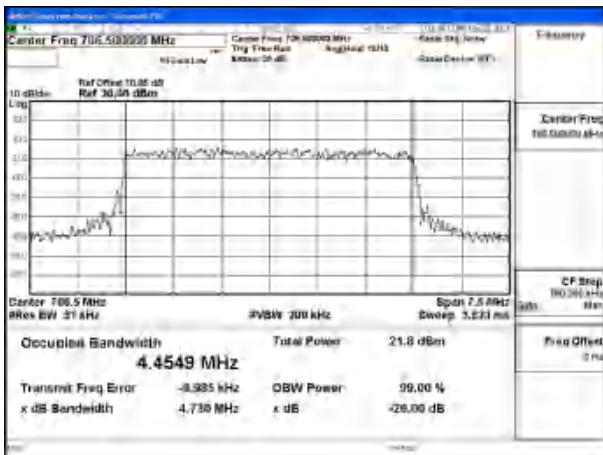


Fig.13

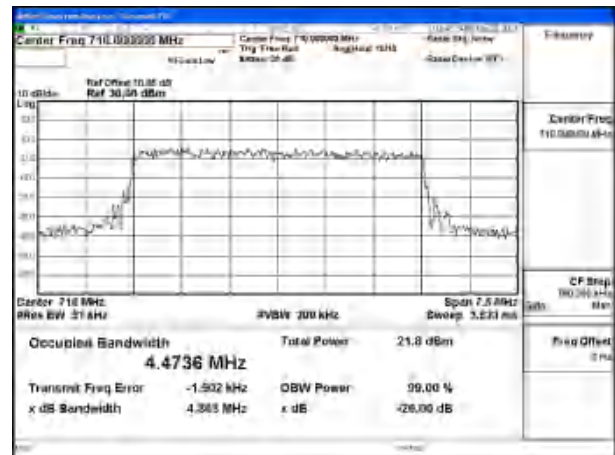


Fig.14

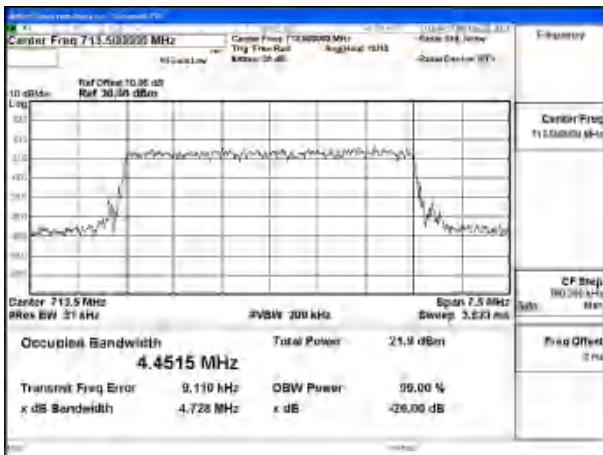


Fig.15

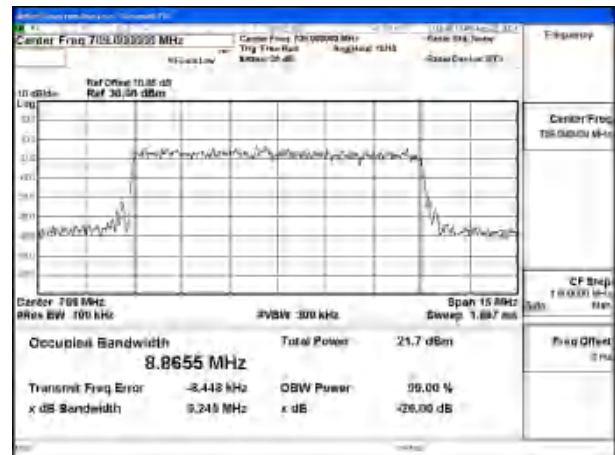


Fig.16

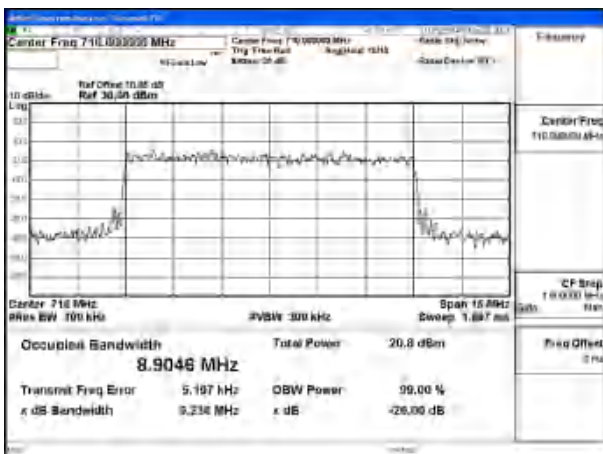


Fig.17

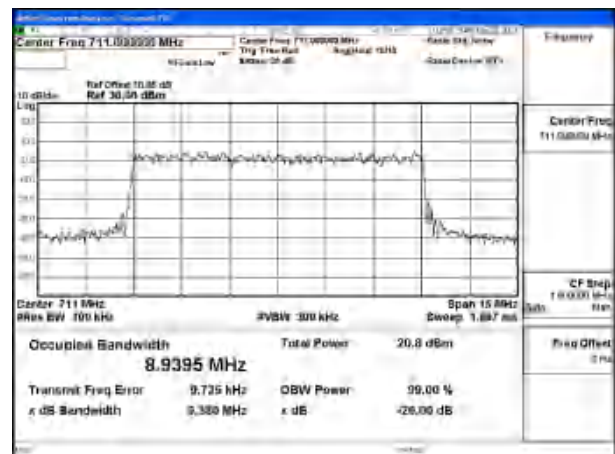


Fig.18



4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	706.5	23755	5	1	24	Fig.1	Fig.2	Fig.3
17	706.5	23755	5	25	0	Fig.4	Fig.5	Fig.6
17	710	23790	5	1	24	Fig.7	Fig.8	Fig.9
17	710	23790	5	25	0	Fig.10	Fig.11	Fig.12
17	713.5	23825	5	1	24	Fig.13	Fig.14	Fig.15
17	713.5	23825	5	25	0	Fig.16	Fig.17	Fig.18
17	709	23780	10	1	49	Fig.19	Fig.20	Fig.21
17	709	23780	10	50	0	Fig.22	Fig.23	Fig.24
17	710	23790	10	1	49	Fig.25	Fig.26	Fig.27
17	710	23790	10	50	0	Fig.28	Fig.29	Fig.30
17	711	23800	10	1	49	Fig.31	Fig.32	Fig.33
17	711	23800	10	50	0	Fig.34	Fig.35	Fig.36

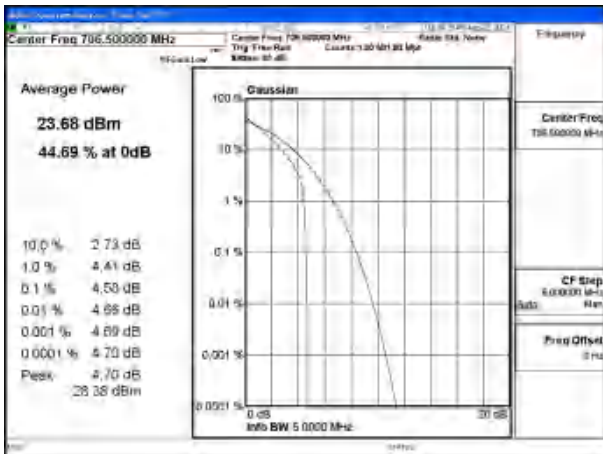


Fig.1

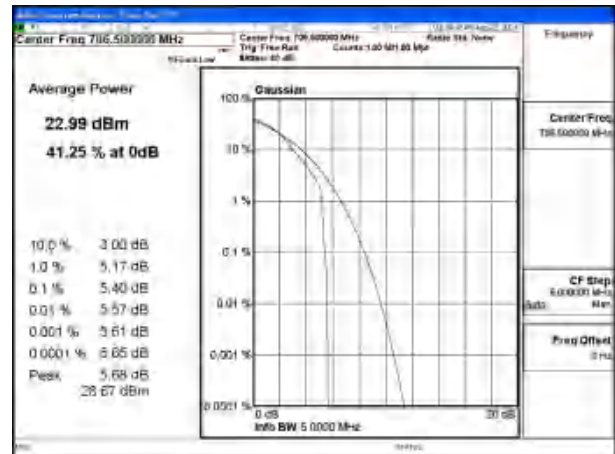


Fig.2

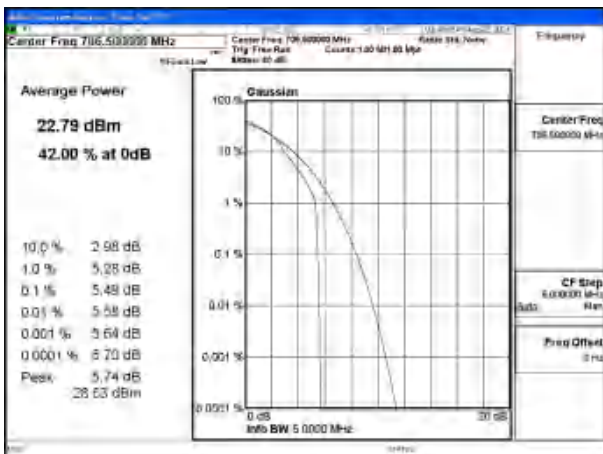


Fig.3

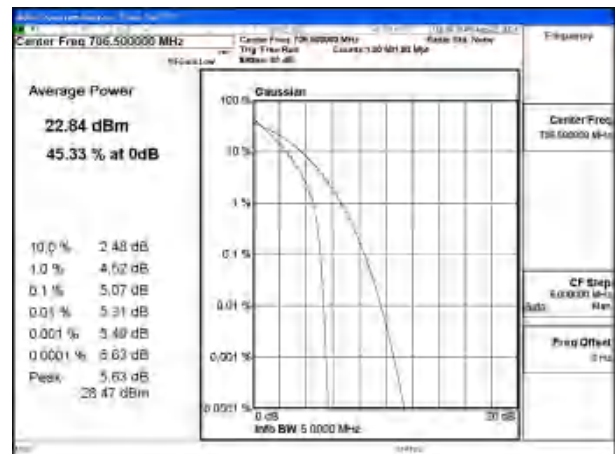


Fig.4

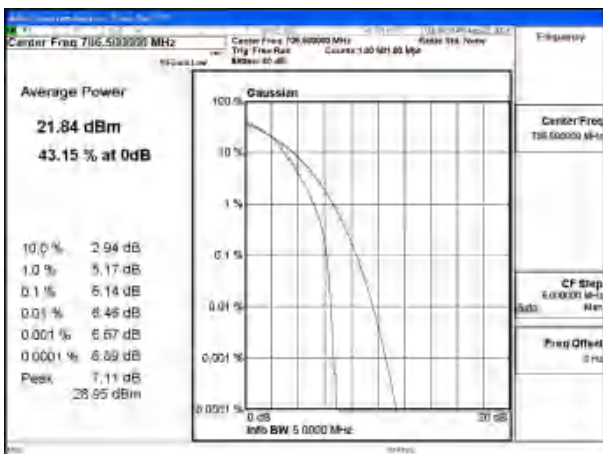


Fig.5

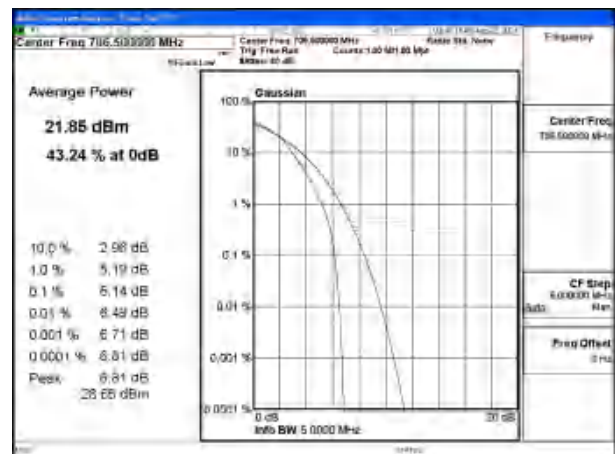


Fig.6

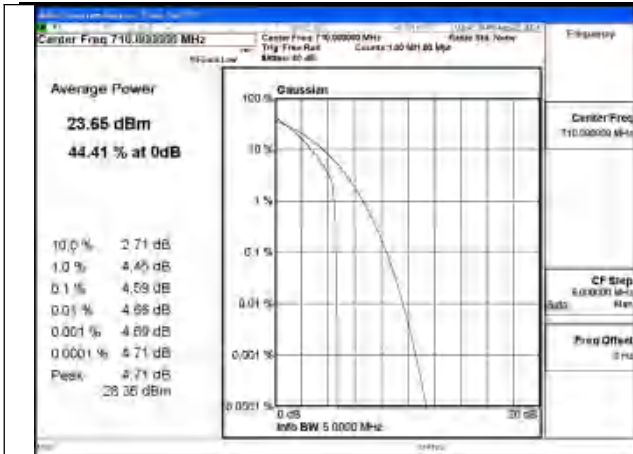


Fig.7

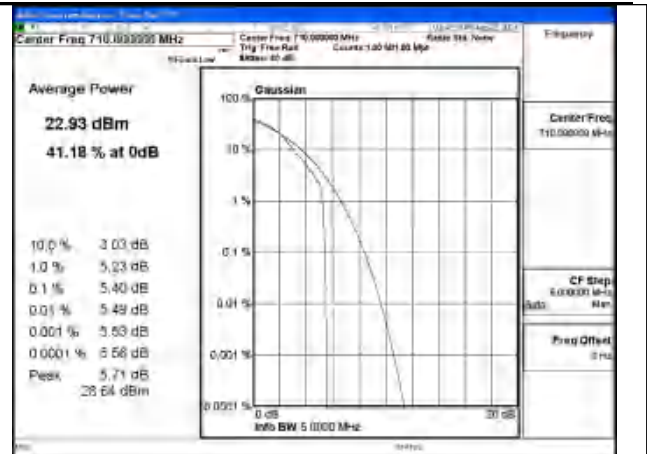


Fig.8

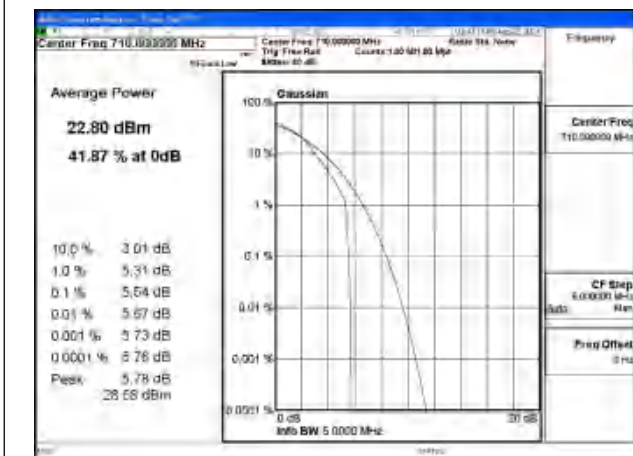


Fig.9

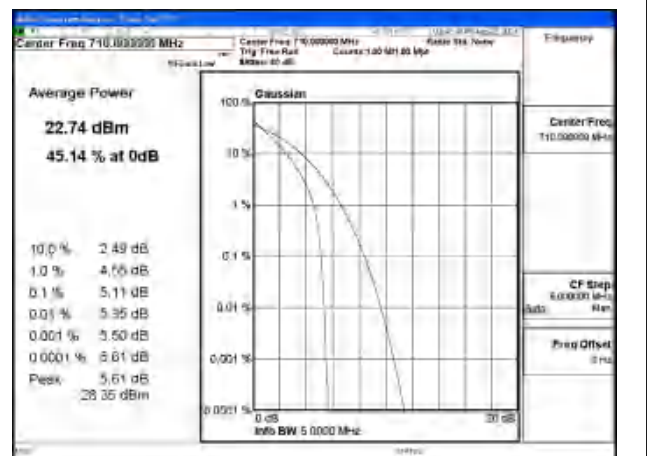


Fig.10

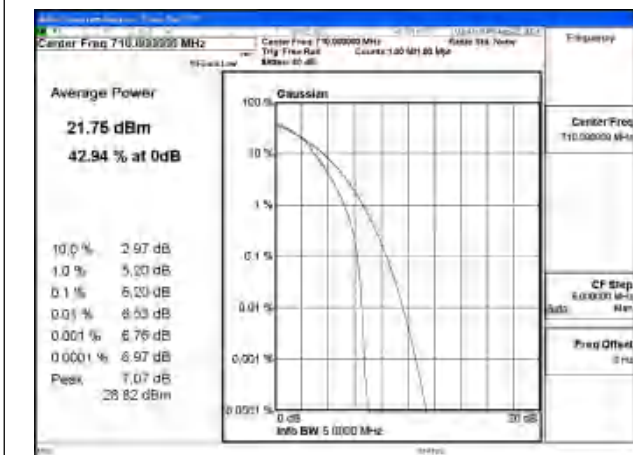


Fig.11

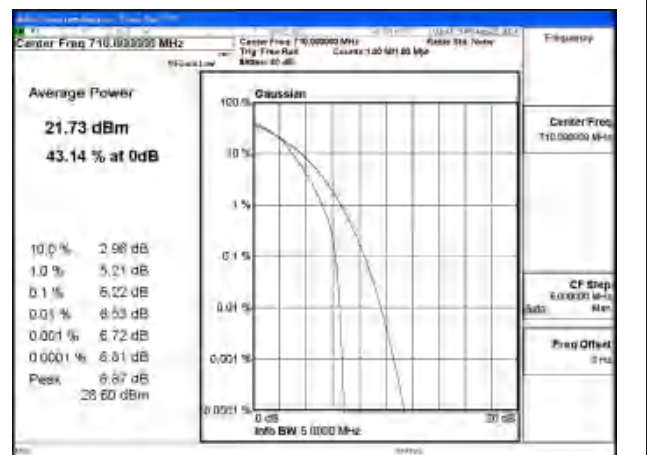


Fig.12

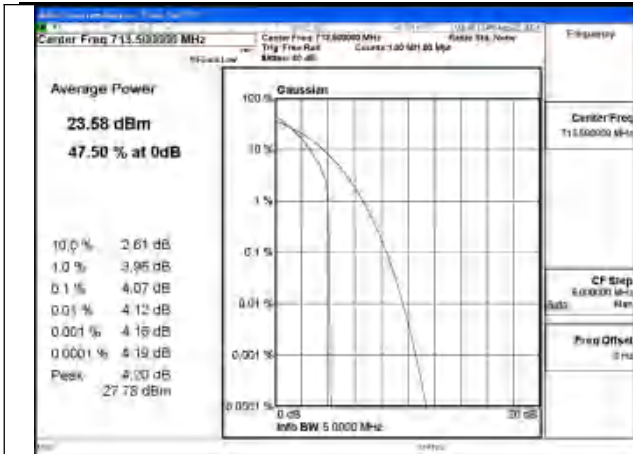


Fig.13

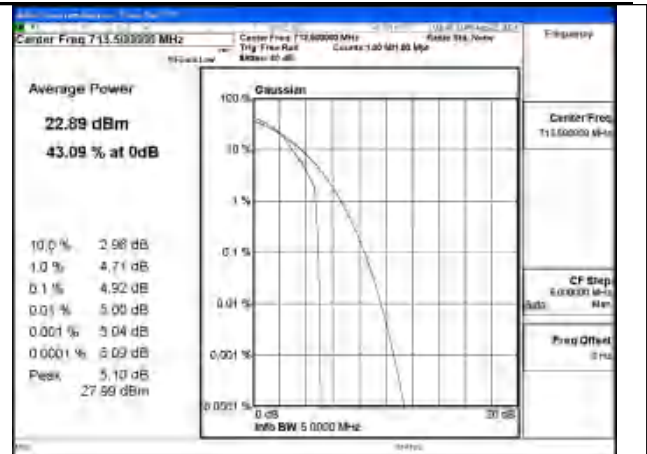


Fig.14

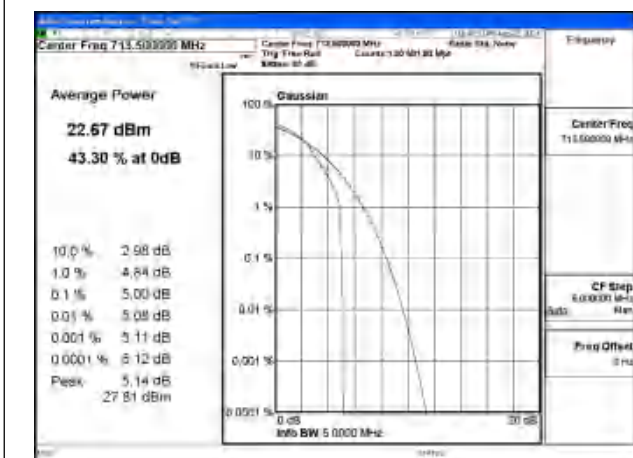


Fig.15

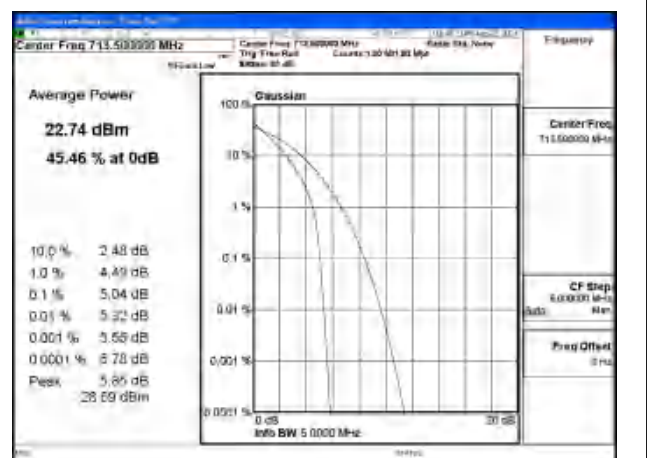


Fig.16

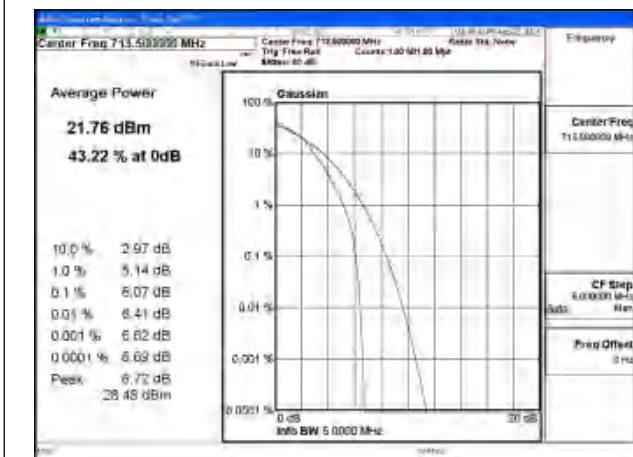


Fig.17

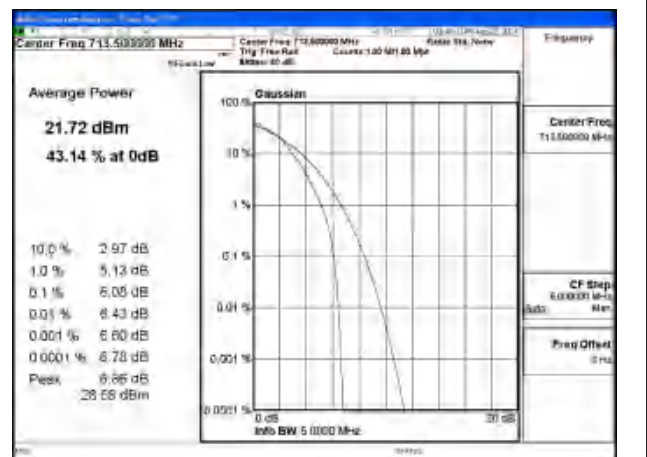


Fig.18

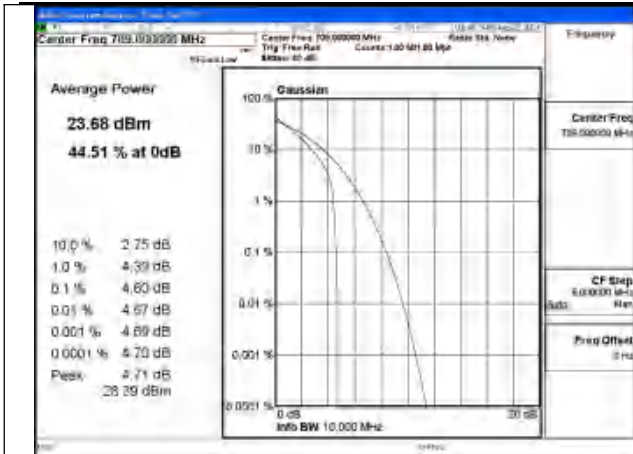


Fig.19

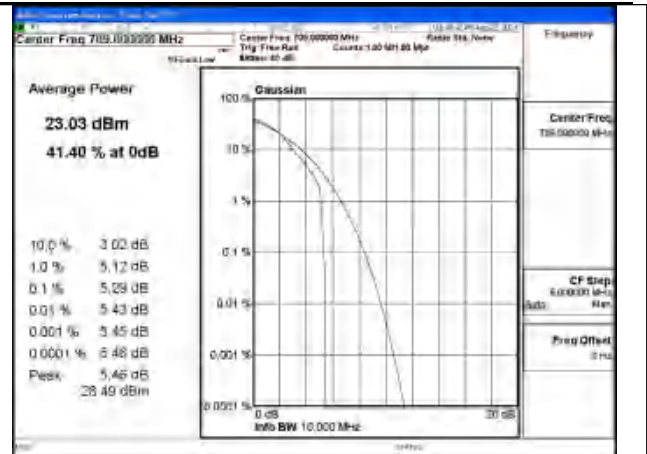


Fig.20

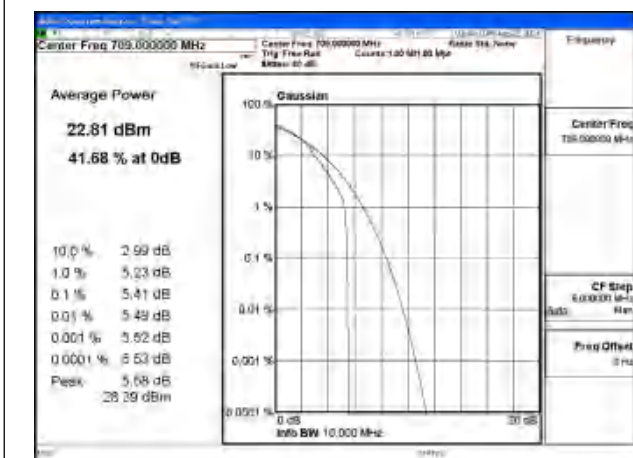


Fig.21

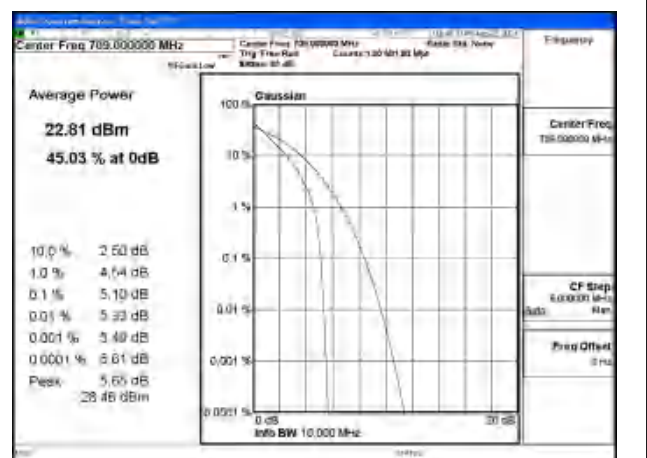


Fig.22

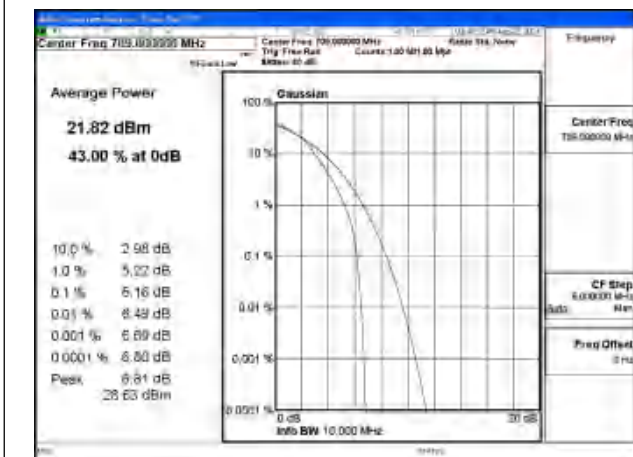


Fig.23

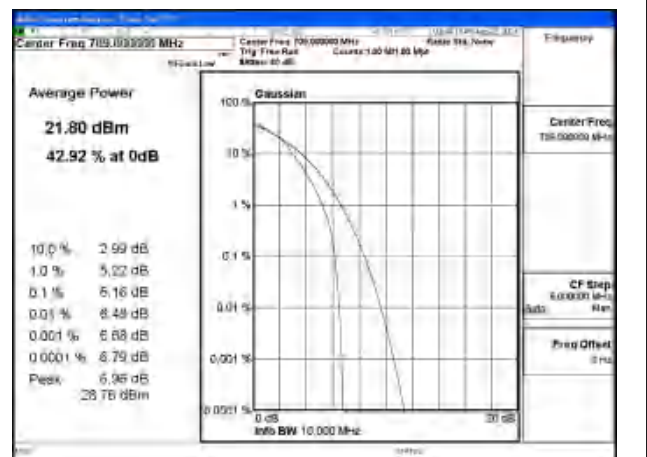


Fig.24

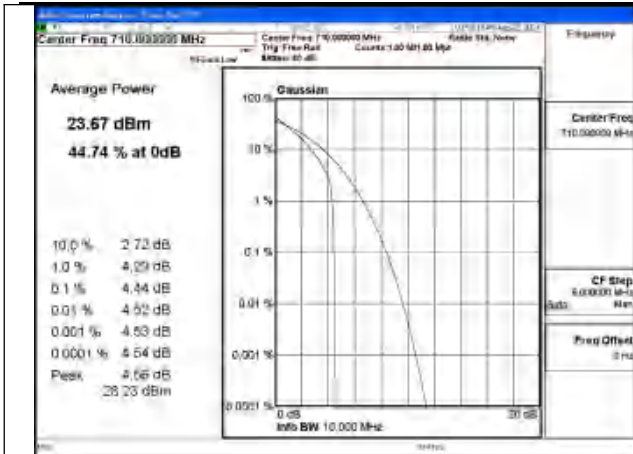


Fig.25

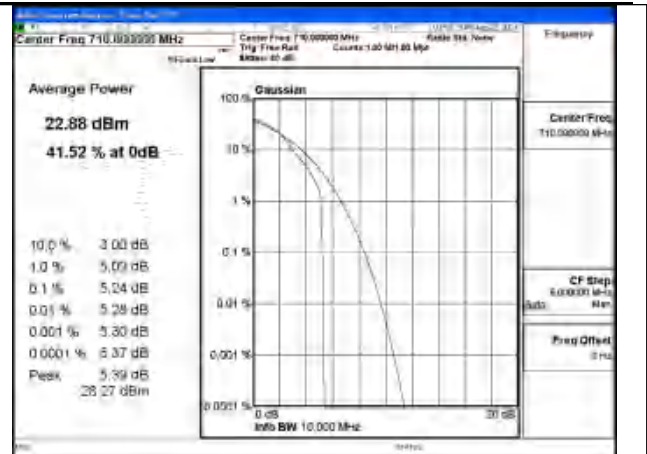


Fig.26

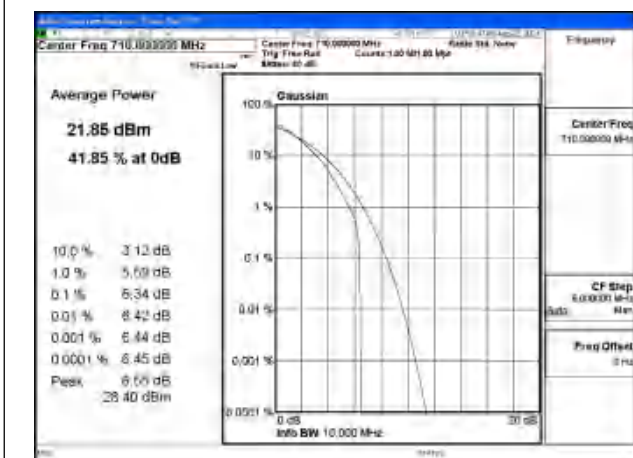


Fig.27

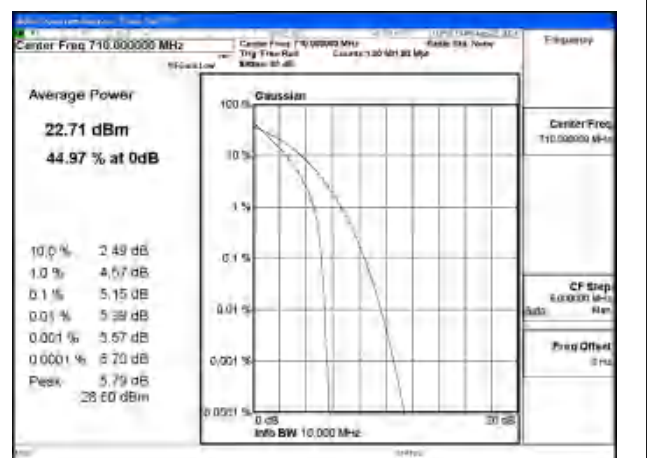


Fig.28

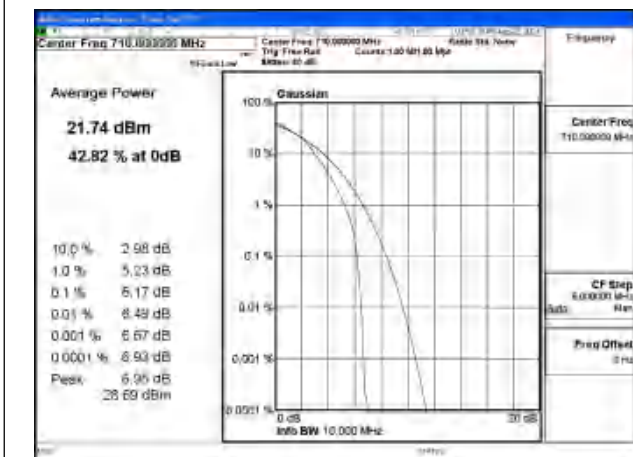


Fig.29

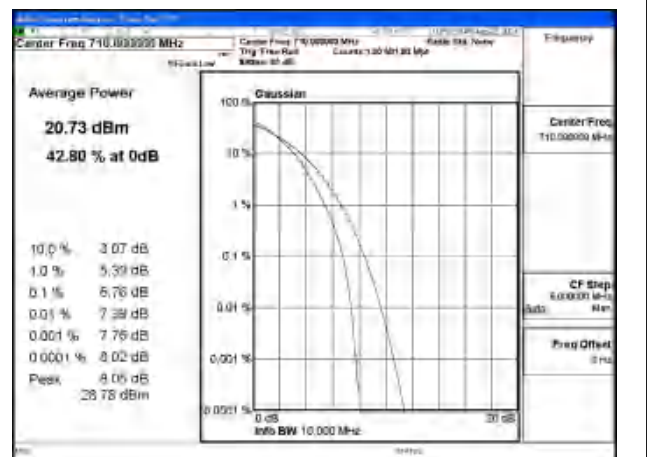


Fig.30

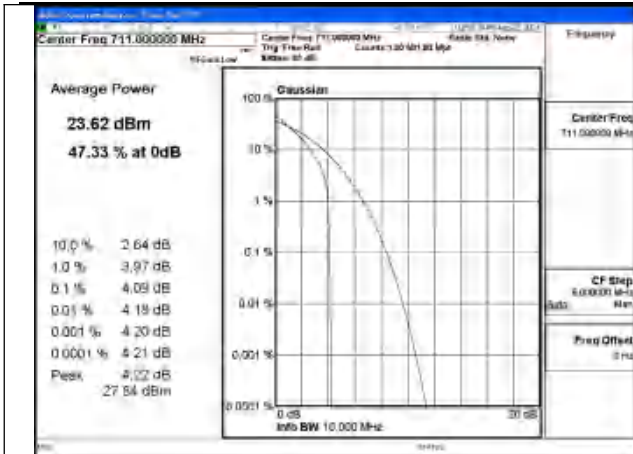


Fig.31

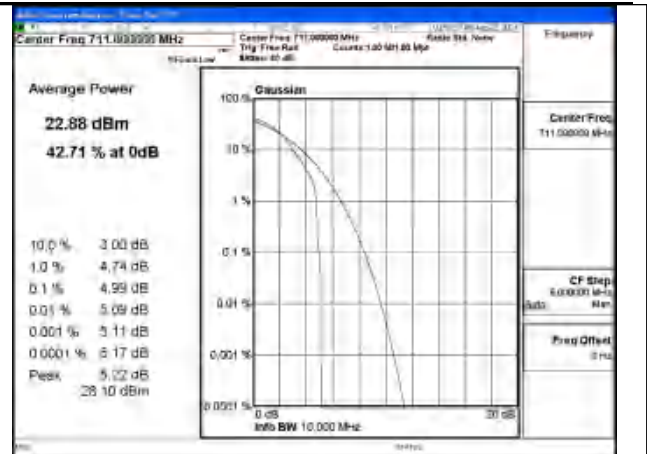


Fig.32

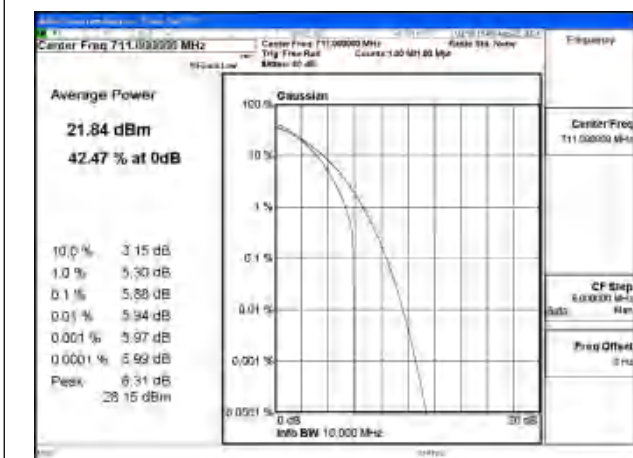


Fig.33

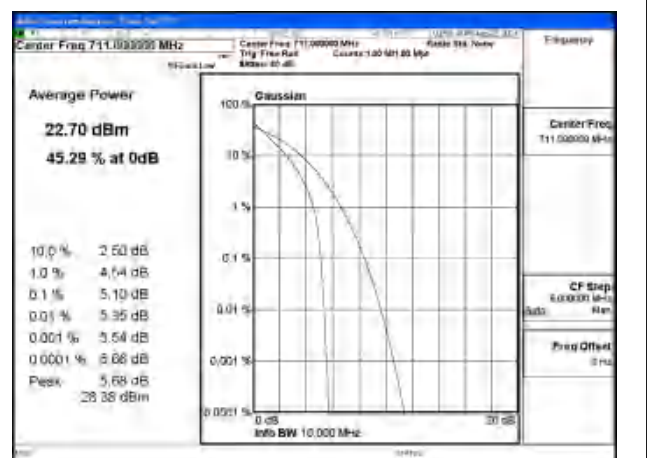


Fig.34

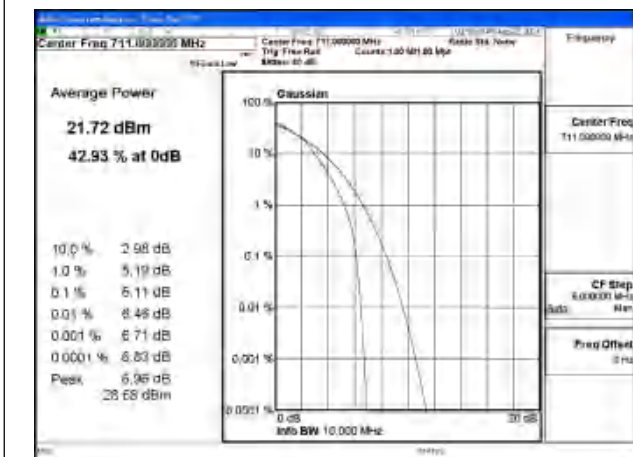


Fig.35

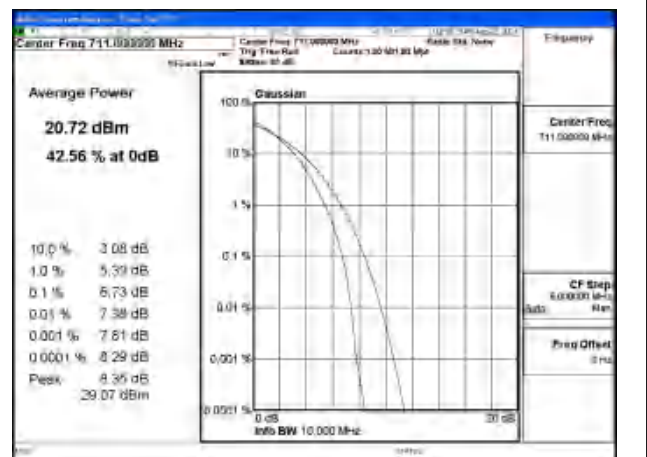


Fig.36



5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
17	709	23780	10	1	0	Fig.1
17	710	23790	10	1	0	Fig.2
17	711	23800	10	1	0	Fig.3



Fig.1



Fig.2



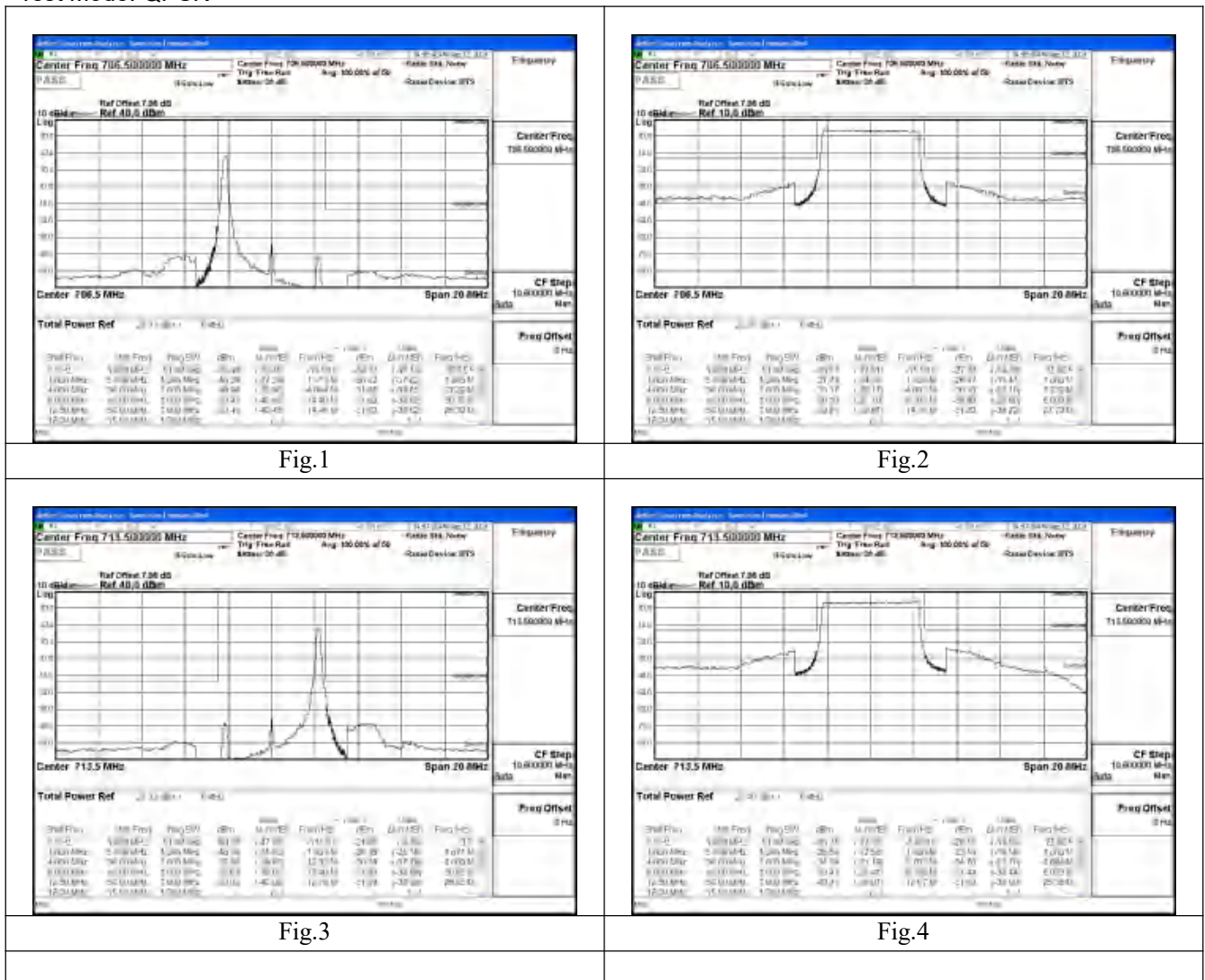
Fig.3



6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	QPSK	706.5	23755	5	1	0	Fig.1
17	QPSK	706.5	23755	5	25	0	Fig.2
17	QPSK	713.5	23825	5	1	24	Fig.3
17	QPSK	713.5	23825	5	25	0	Fig.4
17	QPSK	709	23780	10	1	0	Fig.5
17	QPSK	709	23780	10	50	0	Fig.6
17	QPSK	711	23800	10	1	49	Fig.7
17	QPSK	711	23800	10	50	0	Fig.8

Test Mode: QPSK



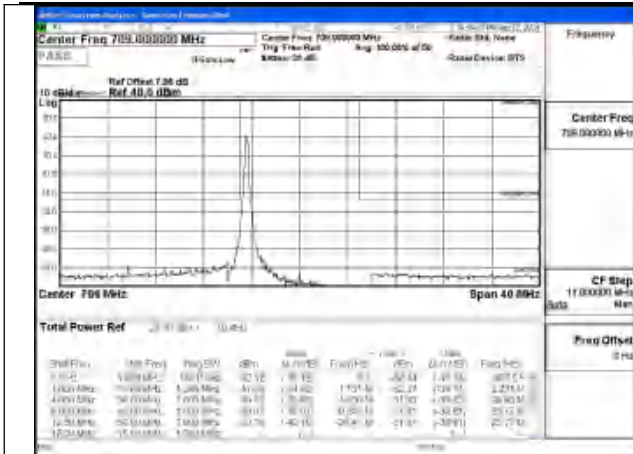


Fig.5

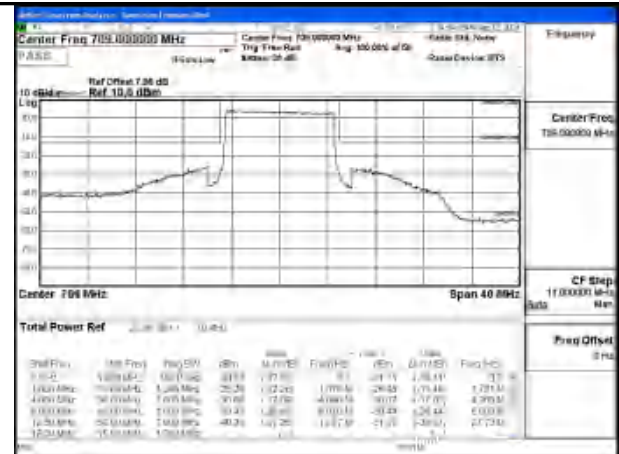


Fig.6

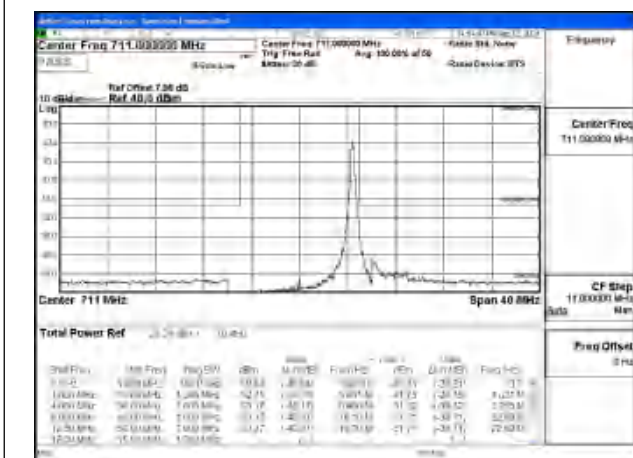


Fig.7

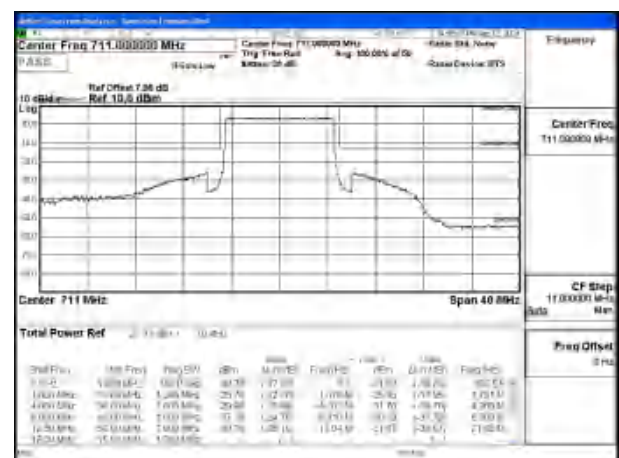


Fig.8



7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 17 Low Channel QPSK	
		5M	10M
-10	NV	0.003	0.005
0	NV	0.006	0.006
+10	NV	0.002	0.007
+20	NV	0.005	0.007
+30	NV	-0.001	0.009
+40	NV	0.003	0.006
+55	NV	0.000	0.005
+20	LV	0.001	0.004
+20	HV	0.004	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 17 High Channel QPSK	
		5M	10M
-10	NV	-0.003	0.005
0	NV	0.005	-0.008
+10	NV	0.003	0.006
+20	NV	-0.002	0.004
+30	NV	0.002	0.004
+40	NV	-0.002	-0.008
+55	NV	0.001	0.008
+20	LV	0.004	0.006
+20	HV	0.003	0.006



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	706.5	23755	5	1	0	23.47	16.72	0.047
QPSK	706.5	23755	5	1	12	23.68	16.93	0.049
QPSK	706.5	23755	5	1	24	23.48	16.73	0.047
QPSK	706.5	23755	5	12	0	22.63	15.88	0.039
QPSK	706.5	23755	5	12	7	22.66	15.91	0.039
QPSK	706.5	23755	5	12	13	22.67	15.92	0.039
QPSK	706.5	23755	5	25	0	22.66	15.91	0.039
QPSK	710	23790	5	1	0	23.72	16.97	0.050
QPSK	710	23790	5	1	12	23.71	16.96	0.050
QPSK	710	23790	5	1	24	23.61	16.86	0.049
QPSK	710	23790	5	12	0	22.78	16.03	0.040
QPSK	710	23790	5	12	7	22.72	15.97	0.040
QPSK	710	23790	5	12	13	22.72	15.97	0.040
QPSK	710	23790	5	25	0	22.73	15.98	0.040
QPSK	713.5	23825	5	1	0	23.70	16.95	0.050
QPSK	713.5	23825	5	1	12	23.68	16.93	0.049
QPSK	713.5	23825	5	1	24	23.71	16.96	0.050
QPSK	713.5	23825	5	12	0	22.73	15.98	0.040
QPSK	713.5	23825	5	12	7	22.84	16.09	0.041
QPSK	713.5	23825	5	12	13	22.73	15.98	0.040
QPSK	713.5	23825	5	25	0	22.79	16.04	0.040



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	706.5	23755	5	1	0	23.06	16.31	0.043
16QAM	706.5	23755	5	1	12	22.77	16.02	0.040
16QAM	706.5	23755	5	1	24	22.84	16.09	0.041
16QAM	706.5	23755	5	12	0	21.69	14.94	0.031
16QAM	706.5	23755	5	12	7	21.85	15.10	0.032
16QAM	706.5	23755	5	12	13	21.77	15.02	0.032
16QAM	706.5	23755	5	25	0	21.65	14.90	0.031
16QAM	710	23790	5	1	0	23.04	16.29	0.043
16QAM	710	23790	5	1	12	22.80	16.05	0.040
16QAM	710	23790	5	1	24	23.21	16.46	0.044
16QAM	710	23790	5	12	0	21.75	15.00	0.032
16QAM	710	23790	5	12	7	21.76	15.01	0.032
16QAM	710	23790	5	12	13	21.85	15.10	0.032
16QAM	710	23790	5	25	0	21.61	14.86	0.031
16QAM	713.5	23825	5	1	0	23.30	16.55	0.045
16QAM	713.5	23825	5	1	12	23.34	16.59	0.046
16QAM	713.5	23825	5	1	24	23.22	16.47	0.044
16QAM	713.5	23825	5	12	0	21.69	14.94	0.031
16QAM	713.5	23825	5	12	7	21.92	15.17	0.033
16QAM	713.5	23825	5	12	13	21.69	14.94	0.031
16QAM	713.5	23825	5	25	0	21.75	15.00	0.032
64QAM	706.5	23755	5	1	0	22.31	15.56	0.036
64QAM	706.5	23755	5	1	12	22.74	15.99	0.040
64QAM	706.5	23755	5	1	24	22.41	15.66	0.037
64QAM	706.5	23755	5	12	0	21.65	14.90	0.031
64QAM	706.5	23755	5	12	7	21.78	15.03	0.032
64QAM	706.5	23755	5	12	13	21.75	15.00	0.032
64QAM	706.5	23755	5	25	0	21.65	14.90	0.031
64QAM	710	23790	5	1	0	22.85	16.10	0.041
64QAM	710	23790	5	1	12	22.64	15.89	0.039
64QAM	710	23790	5	1	24	22.67	15.92	0.039
64QAM	710	23790	5	12	0	21.71	14.96	0.031
64QAM	710	23790	5	12	7	21.69	14.94	0.031
64QAM	710	23790	5	12	13	21.73	14.98	0.031
64QAM	710	23790	5	25	0	21.79	15.04	0.032
64QAM	713.5	23825	5	1	0	22.35	15.60	0.036
64QAM	713.5	23825	5	1	12	22.72	15.97	0.040
64QAM	713.5	23825	5	1	24	22.65	15.90	0.039
64QAM	713.5	23825	5	12	0	21.59	14.84	0.030
64QAM	713.5	23825	5	12	7	21.82	15.07	0.032
64QAM	713.5	23825	5	12	13	21.75	15.00	0.032
64QAM	713.5	23825	5	25	0	21.66	14.91	0.031



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	709	23780	10	1	0	23.77	17.02	0.050
QPSK	709	23780	10	1	25	23.65	16.90	0.049
QPSK	709	23780	10	1	49	23.64	16.89	0.049
QPSK	709	23780	10	25	0	22.65	15.90	0.039
QPSK	709	23780	10	25	12	22.79	16.04	0.040
QPSK	709	23780	10	25	25	22.85	16.10	0.041
QPSK	709	23780	10	50	0	22.72	15.97	0.040
QPSK	710	23790	10	1	0	23.70	16.95	0.050
QPSK	710	23790	10	1	25	23.74	16.99	0.050
QPSK	710	23790	10	1	49	23.74	16.99	0.050
QPSK	710	23790	10	25	0	22.75	16.00	0.040
QPSK	710	23790	10	25	12	22.77	16.02	0.040
QPSK	710	23790	10	25	25	22.80	16.05	0.040
QPSK	710	23790	10	50	0	22.70	15.95	0.039
QPSK	711	23800	10	1	0	23.60	16.85	0.048
QPSK	711	23800	10	1	25	23.74	16.99	0.050
QPSK	711	23800	10	1	49	23.74	16.99	0.050
QPSK	711	23800	10	25	0	22.70	15.95	0.039
QPSK	711	23800	10	25	12	22.75	16.00	0.040
QPSK	711	23800	10	25	25	22.78	16.03	0.040
QPSK	711	23800	10	50	0	22.68	15.93	0.039



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	709	23780	10	1	0	23.03	16.28	0.042
16QAM	709	23780	10	1	25	23.15	16.40	0.044
16QAM	709	23780	10	1	49	23.00	16.25	0.042
16QAM	709	23780	10	25	0	21.71	14.96	0.031
16QAM	709	23780	10	25	12	21.88	15.13	0.033
16QAM	709	23780	10	25	25	21.64	14.89	0.031
16QAM	709	23780	10	50	0	21.77	15.02	0.032
16QAM	710	23790	10	1	0	23.05	16.30	0.043
16QAM	710	23790	10	1	25	23.06	16.31	0.043
16QAM	710	23790	10	1	49	22.83	16.08	0.041
16QAM	710	23790	10	25	0	21.72	14.97	0.031
16QAM	710	23790	10	25	12	21.60	14.85	0.031
16QAM	710	23790	10	25	25	21.76	15.01	0.032
16QAM	710	23790	10	50	0	21.81	15.06	0.032
16QAM	711	23800	10	1	0	23.31	16.56	0.045
16QAM	711	23800	10	1	25	23.16	16.41	0.044
16QAM	711	23800	10	1	49	23.16	16.41	0.044
16QAM	711	23800	10	25	0	21.73	14.98	0.031
16QAM	711	23800	10	25	12	21.67	14.92	0.031
16QAM	711	23800	10	25	25	21.84	15.09	0.032
16QAM	711	23800	10	50	0	21.70	14.95	0.031
64QAM	709	23780	10	1	0	22.71	15.96	0.039
64QAM	709	23780	10	1	25	23.13	16.38	0.043
64QAM	709	23780	10	1	49	22.77	16.02	0.040
64QAM	709	23780	10	25	0	21.64	14.89	0.031
64QAM	709	23780	10	25	12	21.81	15.06	0.032
64QAM	709	23780	10	25	25	21.78	15.03	0.032
64QAM	709	23780	10	50	0	21.73	14.98	0.031
64QAM	710	23790	10	1	0	21.57	14.82	0.030
64QAM	710	23790	10	1	25	22.06	15.31	0.034
64QAM	710	23790	10	1	49	22.43	15.68	0.037
64QAM	710	23790	10	25	0	20.76	14.01	0.025
64QAM	710	23790	10	25	12	20.97	14.22	0.026
64QAM	710	23790	10	25	25	20.79	14.04	0.025
64QAM	710	23790	10	50	0	20.77	14.02	0.025
64QAM	711	23800	10	1	0	22.13	15.38	0.035
64QAM	711	23800	10	1	25	21.99	15.24	0.033
64QAM	711	23800	10	1	49	22.13	15.38	0.035
64QAM	711	23800	10	25	0	20.72	13.97	0.025
64QAM	711	23800	10	25	12	20.79	14.04	0.025
64QAM	711	23800	10	25	25	20.84	14.09	0.026
64QAM	711	23800	10	50	0	20.67	13.92	0.025