



APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 5

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	22.93
QPSK	824.7	20407	1.4	1	3	22.97
QPSK	824.7	20407	1.4	1	5	22.82
QPSK	824.7	20407	1.4	3	0	23.03
QPSK	824.7	20407	1.4	3	1	23.04
QPSK	824.7	20407	1.4	3	3	23.09
QPSK	824.7	20407	1.4	6	0	22.02
QPSK	836.5	20525	1.4	1	0	22.74
QPSK	836.5	20525	1.4	1	3	22.82
QPSK	836.5	20525	1.4	1	5	22.67
QPSK	836.5	20525	1.4	3	0	22.78
QPSK	836.5	20525	1.4	3	1	22.75
QPSK	836.5	20525	1.4	3	3	22.86
QPSK	836.5	20525	1.4	6	0	21.82
QPSK	848.3	20643	1.4	1	0	22.76
QPSK	848.3	20643	1.4	1	3	22.92
QPSK	848.3	20643	1.4	1	5	22.92
QPSK	848.3	20643	1.4	3	0	22.77
QPSK	848.3	20643	1.4	3	1	22.84
QPSK	848.3	20643	1.4	3	3	22.80
QPSK	848.3	20643	1.4	6	0	21.82



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	824.7	20407	1.4	1	0	22.44
16QAM	824.7	20407	1.4	1	3	22.71
16QAM	824.7	20407	1.4	1	5	21.98
16QAM	824.7	20407	1.4	3	0	22.37
16QAM	824.7	20407	1.4	3	1	22.02
16QAM	824.7	20407	1.4	3	3	22.27
16QAM	824.7	20407	1.4	6	0	21.00
16QAM	836.5	20525	1.4	1	0	21.76
16QAM	836.5	20525	1.4	1	3	22.28
16QAM	836.5	20525	1.4	1	5	22.11
16QAM	836.5	20525	1.4	3	0	22.02
16QAM	836.5	20525	1.4	3	1	21.76
16QAM	836.5	20525	1.4	3	3	21.76
16QAM	836.5	20525	1.4	6	0	20.96
16QAM	848.3	20643	1.4	1	0	22.36
16QAM	848.3	20643	1.4	1	3	22.25
16QAM	848.3	20643	1.4	1	5	22.06
16QAM	848.3	20643	1.4	3	0	21.89
16QAM	848.3	20643	1.4	3	1	21.79
16QAM	848.3	20643	1.4	3	3	21.98
16QAM	848.3	20643	1.4	6	0	20.93
64QAM	824.7	20407	1.4	1	0	22.14
64QAM	824.7	20407	1.4	1	3	22.31
64QAM	824.7	20407	1.4	1	5	22.02
64QAM	824.7	20407	1.4	3	0	22.21
64QAM	824.7	20407	1.4	3	1	22.11
64QAM	824.7	20407	1.4	3	3	22.09
64QAM	824.7	20407	1.4	6	0	21.29
64QAM	836.5	20525	1.4	1	0	21.82
64QAM	836.5	20525	1.4	1	3	21.96
64QAM	836.5	20525	1.4	1	5	21.34
64QAM	836.5	20525	1.4	3	0	21.95
64QAM	836.5	20525	1.4	3	1	21.81
64QAM	836.5	20525	1.4	3	3	21.86
64QAM	836.5	20525	1.4	6	0	20.96
64QAM	848.3	20643	1.4	1	0	22.08
64QAM	848.3	20643	1.4	1	3	22.11
64QAM	848.3	20643	1.4	1	5	21.89
64QAM	848.3	20643	1.4	3	0	21.73
64QAM	848.3	20643	1.4	3	1	22.08
64QAM	848.3	20643	1.4	3	3	22.02
64QAM	848.3	20643	1.4	6	0	21.02



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.10
QPSK	825.5	20415	3	1	8	23.11
QPSK	825.5	20415	3	1	14	23.04
QPSK	825.5	20415	3	8	0	22.10
QPSK	825.5	20415	3	8	4	22.07
QPSK	825.5	20415	3	8	7	21.99
QPSK	825.5	20415	3	15	0	22.06
QPSK	836.5	20525	3	1	0	22.75
QPSK	836.5	20525	3	1	8	22.83
QPSK	836.5	20525	3	1	14	22.64
QPSK	836.5	20525	3	8	0	21.80
QPSK	836.5	20525	3	8	4	21.83
QPSK	836.5	20525	3	8	7	21.76
QPSK	836.5	20525	3	15	0	21.72
QPSK	847.5	20635	3	1	0	22.69
QPSK	847.5	20635	3	1	8	22.85
QPSK	847.5	20635	3	1	14	22.86
QPSK	847.5	20635	3	8	0	21.90
QPSK	847.5	20635	3	8	4	21.90
QPSK	847.5	20635	3	8	7	21.88
QPSK	847.5	20635	3	15	0	21.82



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	825.5	20415	3	1	0	22.25
16QAM	825.5	20415	3	1	8	22.40
16QAM	825.5	20415	3	1	14	22.41
16QAM	825.5	20415	3	8	0	21.25
16QAM	825.5	20415	3	8	4	21.15
16QAM	825.5	20415	3	8	7	21.16
16QAM	825.5	20415	3	15	0	21.03
16QAM	836.5	20525	3	1	0	21.97
16QAM	836.5	20525	3	1	8	21.95
16QAM	836.5	20525	3	1	14	21.85
16QAM	836.5	20525	3	8	0	20.76
16QAM	836.5	20525	3	8	4	20.89
16QAM	836.5	20525	3	8	7	20.82
16QAM	836.5	20525	3	15	0	20.78
16QAM	847.5	20635	3	1	0	22.25
16QAM	847.5	20635	3	1	8	21.86
16QAM	847.5	20635	3	1	14	22.22
16QAM	847.5	20635	3	8	0	20.96
16QAM	847.5	20635	3	8	4	21.00
16QAM	847.5	20635	3	8	7	21.03
16QAM	847.5	20635	3	15	0	20.99
64QAM	825.5	20415	3	1	0	21.77
64QAM	825.5	20415	3	1	8	22.59
64QAM	825.5	20415	3	1	14	21.75
64QAM	825.5	20415	3	8	0	21.15
64QAM	825.5	20415	3	8	4	21.07
64QAM	825.5	20415	3	8	7	21.14
64QAM	825.5	20415	3	15	0	21.05
64QAM	836.5	20525	3	1	0	21.88
64QAM	836.5	20525	3	1	8	22.03
64QAM	836.5	20525	3	1	14	21.61
64QAM	836.5	20525	3	8	0	20.87
64QAM	836.5	20525	3	8	4	20.69
64QAM	836.5	20525	3	8	7	20.77
64QAM	836.5	20525	3	15	0	20.75
64QAM	847.5	20635	3	1	0	22.21
64QAM	847.5	20635	3	1	8	22.15
64QAM	847.5	20635	3	1	14	21.84
64QAM	847.5	20635	3	8	0	20.87
64QAM	847.5	20635	3	8	4	20.97
64QAM	847.5	20635	3	8	7	20.81
64QAM	847.5	20635	3	15	0	20.96



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	23.15
QPSK	826.5	20425	5	1	12	23.12
QPSK	826.5	20425	5	1	24	22.86
QPSK	826.5	20425	5	12	0	22.13
QPSK	826.5	20425	5	12	7	22.13
QPSK	826.5	20425	5	12	13	21.99
QPSK	826.5	20425	5	25	0	22.02
QPSK	836.5	20525	5	1	0	22.99
QPSK	836.5	20525	5	1	12	22.72
QPSK	836.5	20525	5	1	24	22.80
QPSK	836.5	20525	5	12	0	21.70
QPSK	836.5	20525	5	12	7	21.81
QPSK	836.5	20525	5	12	13	21.76
QPSK	836.5	20525	5	25	0	21.80
QPSK	846.5	20625	5	1	0	22.70
QPSK	846.5	20625	5	1	12	22.94
QPSK	846.5	20625	5	1	24	22.92
QPSK	846.5	20625	5	12	0	21.72
QPSK	846.5	20625	5	12	7	21.74
QPSK	846.5	20625	5	12	13	21.92
QPSK	846.5	20625	5	25	0	21.74



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	826.5	20425	5	1	0	22.23
16QAM	826.5	20425	5	1	12	22.02
16QAM	826.5	20425	5	1	24	22.40
16QAM	826.5	20425	5	12	0	21.07
16QAM	826.5	20425	5	12	7	21.12
16QAM	826.5	20425	5	12	13	21.01
16QAM	826.5	20425	5	25	0	21.06
16QAM	836.5	20525	5	1	0	21.92
16QAM	836.5	20525	5	1	12	22.33
16QAM	836.5	20525	5	1	24	22.06
16QAM	836.5	20525	5	12	0	20.80
16QAM	836.5	20525	5	12	7	20.87
16QAM	836.5	20525	5	12	13	20.86
16QAM	836.5	20525	5	25	0	20.81
16QAM	846.5	20625	5	1	0	21.78
16QAM	846.5	20625	5	1	12	22.03
16QAM	846.5	20625	5	1	24	22.29
16QAM	846.5	20625	5	12	0	20.81
16QAM	846.5	20625	5	12	7	20.66
16QAM	846.5	20625	5	12	13	20.83
16QAM	846.5	20625	5	25	0	20.81
64QAM	826.5	20425	5	1	0	22.52
64QAM	826.5	20425	5	1	12	22.04
64QAM	826.5	20425	5	1	24	22.45
64QAM	826.5	20425	5	12	0	21.25
64QAM	826.5	20425	5	12	7	21.12
64QAM	826.5	20425	5	12	13	20.96
64QAM	826.5	20425	5	25	0	21.06
64QAM	836.5	20525	5	1	0	22.15
64QAM	836.5	20525	5	1	12	21.85
64QAM	836.5	20525	5	1	24	21.97
64QAM	836.5	20525	5	12	0	20.71
64QAM	836.5	20525	5	12	7	20.92
64QAM	836.5	20525	5	12	13	20.81
64QAM	836.5	20525	5	25	0	20.89
64QAM	846.5	20625	5	1	0	22.09
64QAM	846.5	20625	5	1	12	21.76
64QAM	846.5	20625	5	1	24	21.80
64QAM	846.5	20625	5	12	0	20.67
64QAM	846.5	20625	5	12	7	20.90
64QAM	846.5	20625	5	12	13	20.90
64QAM	846.5	20625	5	25	0	20.83



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	22.97
QPSK	829	20450	10	1	25	22.90
QPSK	829	20450	10	1	49	22.82
QPSK	829	20450	10	25	0	22.11
QPSK	829	20450	10	25	12	22.03
QPSK	829	20450	10	25	25	21.92
QPSK	829	20450	10	50	0	22.06
QPSK	836.5	20525	10	1	0	22.92
QPSK	836.5	20525	10	1	25	22.76
QPSK	836.5	20525	10	1	49	22.58
QPSK	836.5	20525	10	25	0	21.81
QPSK	836.5	20525	10	25	12	21.85
QPSK	836.5	20525	10	25	25	21.76
QPSK	836.5	20525	10	50	0	21.82
QPSK	844	20600	10	1	0	23.00
QPSK	844	20600	10	1	25	22.81
QPSK	844	20600	10	1	49	22.87
QPSK	844	20600	10	25	0	21.75
QPSK	844	20600	10	25	12	21.79
QPSK	844	20600	10	25	25	21.87
QPSK	844	20600	10	50	0	21.70



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	829	20450	10	1	0	22.17
16QAM	829	20450	10	1	25	22.31
16QAM	829	20450	10	1	49	21.71
16QAM	829	20450	10	25	0	20.99
16QAM	829	20450	10	25	12	21.00
16QAM	829	20450	10	25	25	20.94
16QAM	829	20450	10	50	0	20.98
16QAM	836.5	20525	10	1	0	22.51
16QAM	836.5	20525	10	1	25	22.04
16QAM	836.5	20525	10	1	49	21.73
16QAM	836.5	20525	10	25	0	20.85
16QAM	836.5	20525	10	25	12	20.68
16QAM	836.5	20525	10	25	25	20.87
16QAM	836.5	20525	10	50	0	20.89
16QAM	844	20600	10	1	0	22.24
16QAM	844	20600	10	1	25	22.02
16QAM	844	20600	10	1	49	22.61
16QAM	844	20600	10	25	0	20.87
16QAM	844	20600	10	25	12	20.78
16QAM	844	20600	10	25	25	20.92
16QAM	844	20600	10	50	0	20.74
64QAM	829	20450	10	1	0	22.52
64QAM	829	20450	10	1	25	22.50
64QAM	829	20450	10	1	49	21.92
64QAM	829	20450	10	25	0	21.04
64QAM	829	20450	10	25	12	20.95
64QAM	829	20450	10	25	25	20.94
64QAM	829	20450	10	50	0	20.97
64QAM	836.5	20525	10	1	0	22.40
64QAM	836.5	20525	10	1	25	22.10
64QAM	836.5	20525	10	1	49	21.85
64QAM	836.5	20525	10	25	0	20.92
64QAM	836.5	20525	10	25	12	20.76
64QAM	836.5	20525	10	25	25	20.83
64QAM	836.5	20525	10	50	0	20.89
64QAM	844	20600	10	1	0	21.89
64QAM	844	20600	10	1	25	21.80
64QAM	844	20600	10	1	49	22.12
64QAM	844	20600	10	25	0	20.88
64QAM	844	20600	10	25	12	20.79
64QAM	844	20600	10	25	25	20.93
64QAM	844	20600	10	50	0	20.80



2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.076	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.083	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.077	Fig.3
5	QPSK	825.5	20415	3	15	0	2.675	Fig.4
5	QPSK	836.5	20525	3	15	0	2.673	Fig.5
5	QPSK	847.5	20635	3	15	0	2.680	Fig.6
5	QPSK	826.5	20425	5	25	0	4.461	Fig.7
5	QPSK	836.5	20525	5	25	0	4.461	Fig.8
5	QPSK	846.5	20625	5	25	0	4.465	Fig.9
5	QPSK	829	20450	10	50	0	8.899	Fig.10
5	QPSK	836.5	20525	10	50	0	8.920	Fig.11
5	QPSK	844	20600	10	50	0	8.882	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.080	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.079	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.075	Fig.15
5	16QAM	825.5	20415	3	15	0	2.680	Fig.16
5	16QAM	836.5	20525	3	15	0	2.674	Fig.17
5	16QAM	847.5	20635	3	15	0	2.689	Fig.18
5	16QAM	826.5	20425	5	25	0	4.469	Fig.19
5	16QAM	836.5	20525	5	25	0	4.451	Fig.20
5	16QAM	846.5	20625	5	25	0	4.466	Fig.21
5	16QAM	829	20450	10	50	0	8.951	Fig.22
5	16QAM	836.5	20525	10	50	0	8.931	Fig.23
5	16QAM	844	20600	10	50	0	8.877	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.079	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.078	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.075	Fig.27
5	64QAM	825.5	20415	3	15	0	2.684	Fig.28
5	64QAM	836.5	20525	3	15	0	2.681	Fig.29
5	64QAM	847.5	20635	3	15	0	2.676	Fig.30
5	64QAM	826.5	20425	5	25	0	4.449	Fig.31
5	64QAM	836.5	20525	5	25	0	4.457	Fig.32
5	64QAM	846.5	20625	5	25	0	4.463	Fig.33
5	64QAM	829	20450	10	50	0	8.903	Fig.34
5	64QAM	836.5	20525	10	50	0	8.885	Fig.35
5	64QAM	844	20600	10	50	0	8.859	Fig.36

Test Mode: QPSK



Fig.1



Fig.2



Fig.3

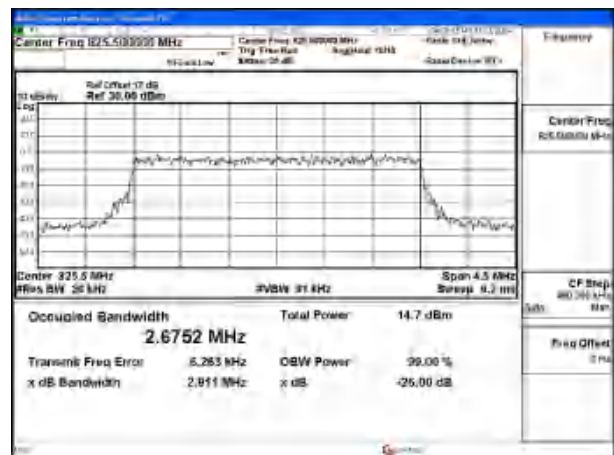


Fig.4

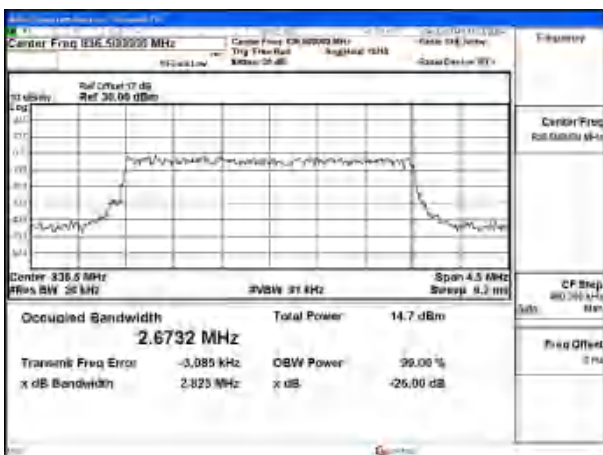


Fig.5

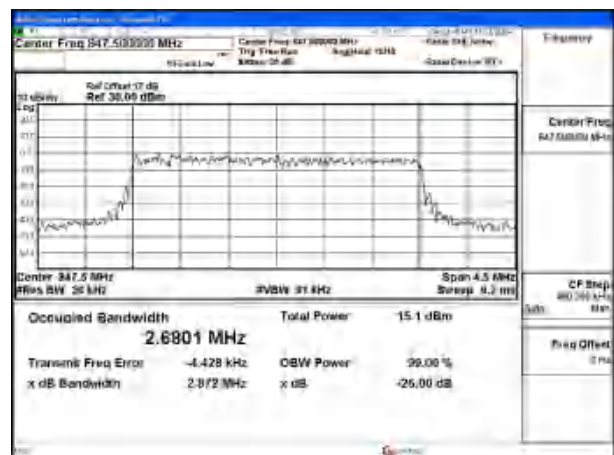


Fig.6



Fig.7



Fig.8



Fig.9



Fig.10

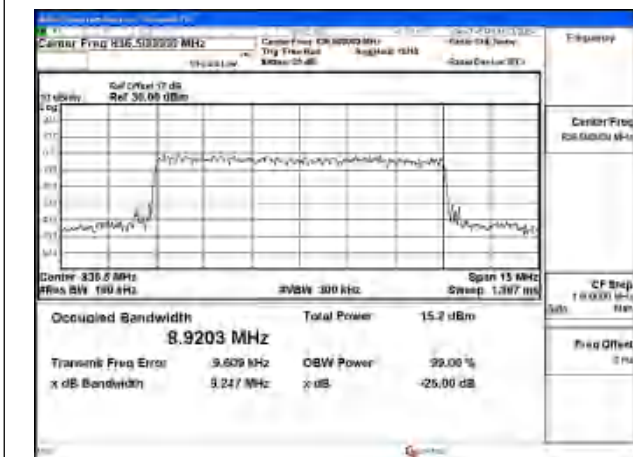


Fig.11



Fig.12

Test Mode: 16QAM



Fig.13



Fig.14



Fig.15



Fig.16

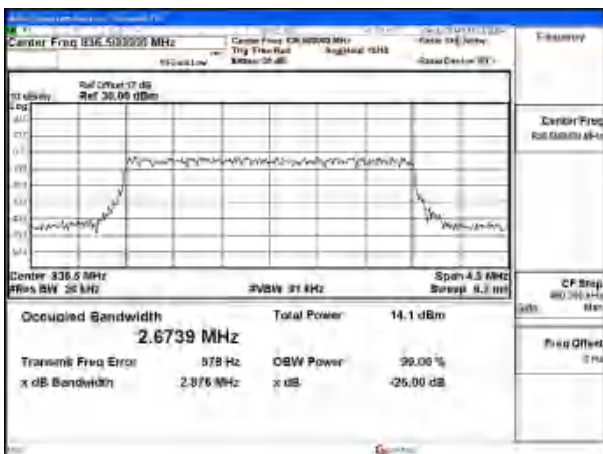


Fig.17

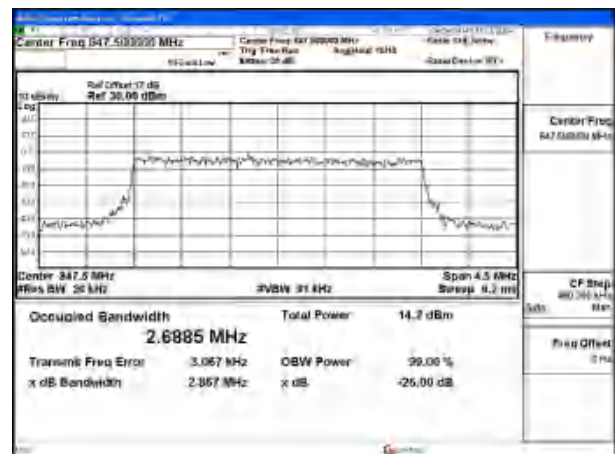


Fig.18



Fig.19



Fig.20



Fig.21



Fig.22



Fig.23

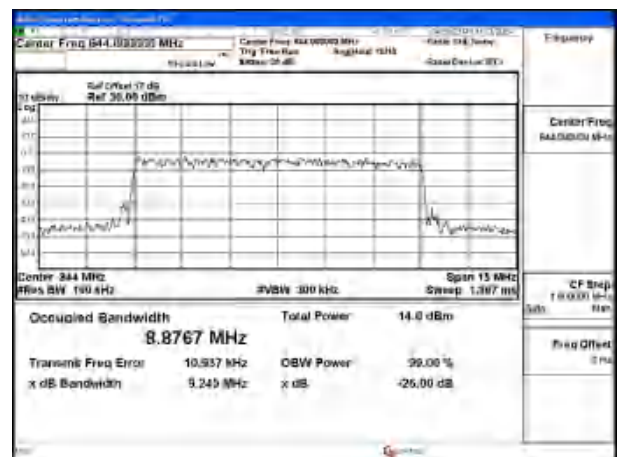


Fig.24

Test Mode: 64QAM



Fig.25



Fig.26



Fig.27

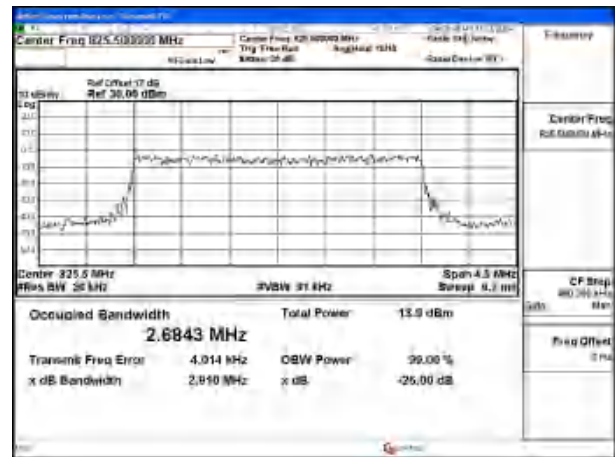


Fig.28

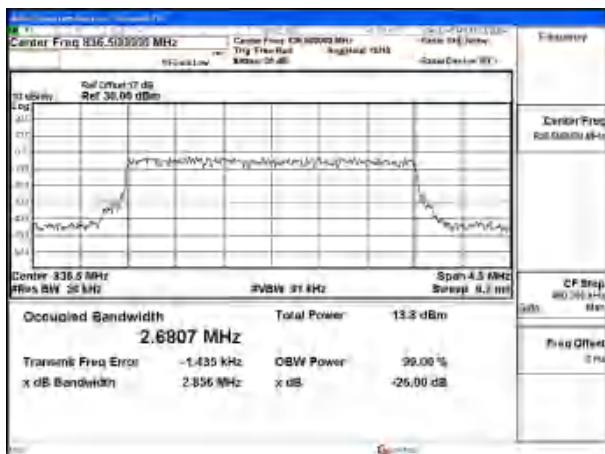


Fig.29



Fig.30



Fig.31

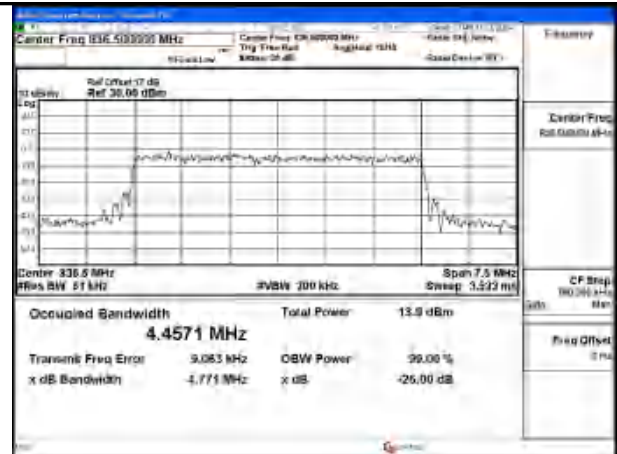


Fig.32



Fig.33



Fig.34



Fig.35

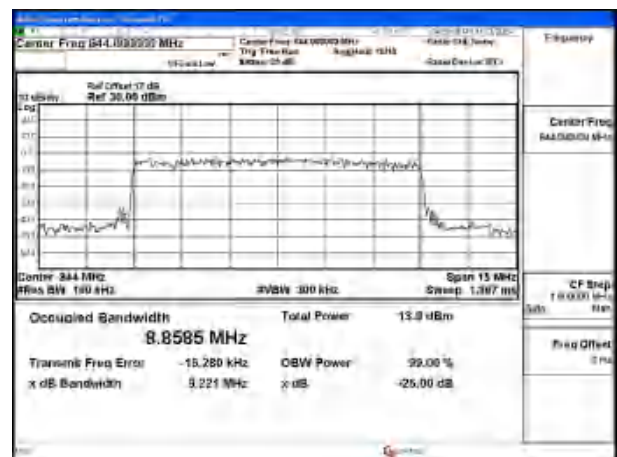


Fig.36



3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	QPSK	824.7	20407	1.4	6	0	1.266	Fig.1
5	QPSK	836.5	20525	1.4	6	0	1.217	Fig.2
5	QPSK	848.3	20643	1.4	6	0	1.246	Fig.3
5	QPSK	825.5	20415	3	15	0	2.911	Fig.4
5	QPSK	836.5	20525	3	15	0	2.823	Fig.5
5	QPSK	847.5	20635	3	15	0	2.872	Fig.6
5	QPSK	826.5	20425	5	25	0	4.797	Fig.7
5	QPSK	836.5	20525	5	25	0	4.748	Fig.8
5	QPSK	846.5	20625	5	25	0	4.722	Fig.9
5	QPSK	829	20450	10	50	0	9.267	Fig.10
5	QPSK	836.5	20525	10	50	0	9.247	Fig.11
5	QPSK	844	20600	10	50	0	9.330	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	16QAM	824.7	20407	1.4	6	0	1.294	Fig.13
5	16QAM	836.5	20525	1.4	6	0	1.228	Fig.14
5	16QAM	848.3	20643	1.4	6	0	1.279	Fig.15
5	16QAM	825.5	20415	3	15	0	2.913	Fig.16
5	16QAM	836.5	20525	3	15	0	2.876	Fig.17
5	16QAM	847.5	20635	3	15	0	2.867	Fig.18
5	16QAM	826.5	20425	5	25	0	4.787	Fig.19
5	16QAM	836.5	20525	5	25	0	4.774	Fig.20
5	16QAM	846.5	20625	5	25	0	4.698	Fig.21
5	16QAM	829	20450	10	50	0	9.344	Fig.22
5	16QAM	836.5	20525	10	50	0	9.305	Fig.23
5	16QAM	844	20600	10	50	0	9.245	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
5	64QAM	824.7	20407	1.4	6	0	1.267	Fig.25
5	64QAM	836.5	20525	1.4	6	0	1.250	Fig.26
5	64QAM	848.3	20643	1.4	6	0	1.296	Fig.27
5	64QAM	825.5	20415	3	15	0	2.910	Fig.28
5	64QAM	836.5	20525	3	15	0	2.856	Fig.29
5	64QAM	847.5	20635	3	15	0	2.848	Fig.30
5	64QAM	826.5	20425	5	25	0	4.763	Fig.31
5	64QAM	836.5	20525	5	25	0	4.771	Fig.32
5	64QAM	846.5	20625	5	25	0	4.830	Fig.33
5	64QAM	829	20450	10	50	0	9.293	Fig.34
5	64QAM	836.5	20525	10	50	0	9.263	Fig.35
5	64QAM	844	20600	10	50	0	9.221	Fig.36

Test Mode: QPSK



Fig.1



Fig.2



Fig.3

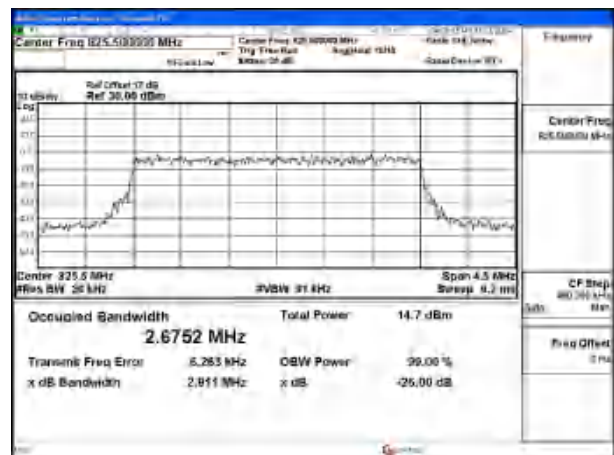


Fig.4

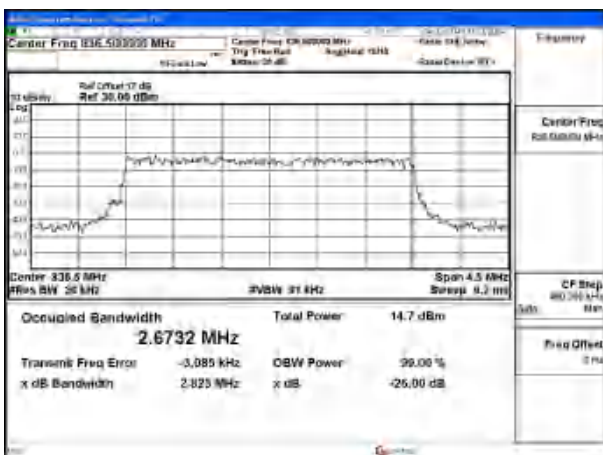


Fig.5

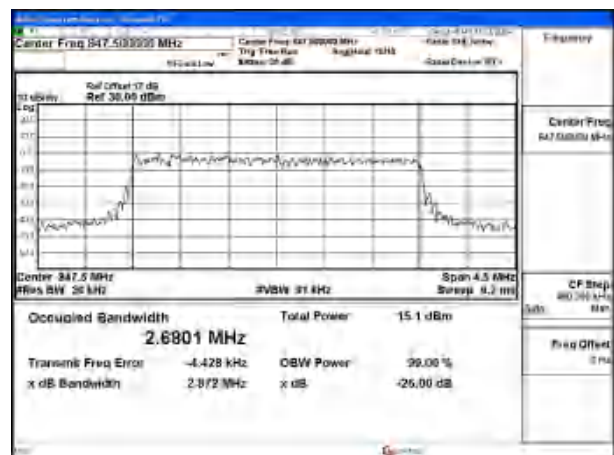


Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12

Test Mode: 16QAM



Fig.13



Fig.14



Fig.15



Fig.16

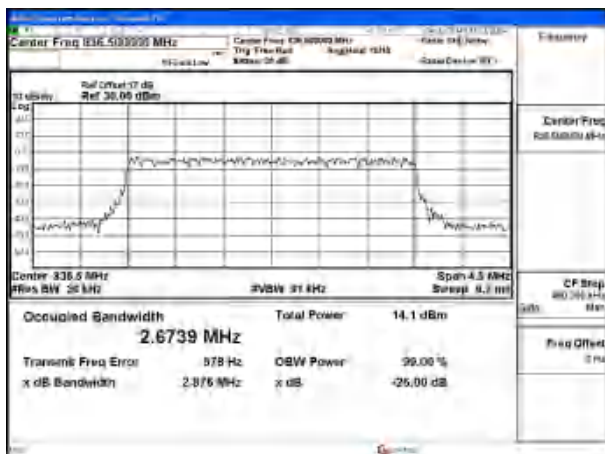


Fig.17

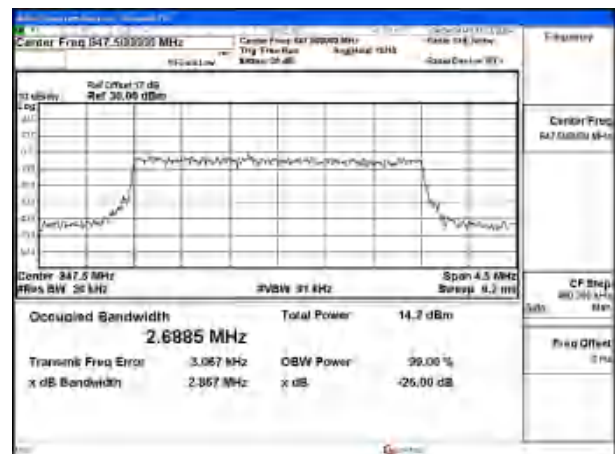


Fig.18



Fig.19



Fig.20



Fig.21



Fig.22



Fig.23



Fig.24

Test Mode: 64QAM



Fig.25



Fig.26



Fig.27

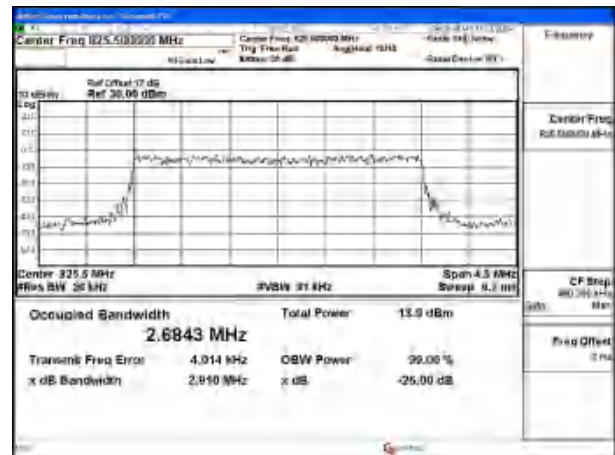


Fig.28

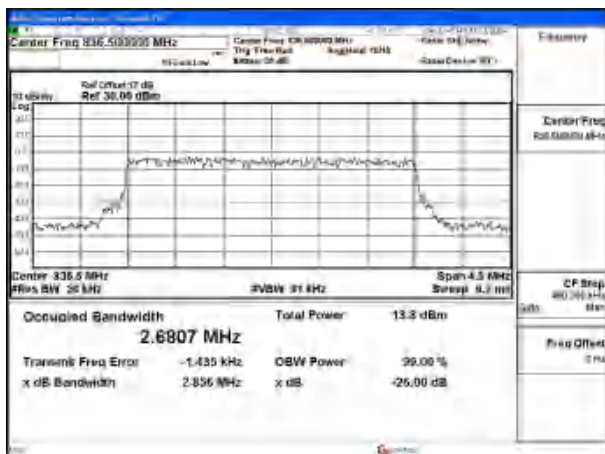


Fig.29



Fig.30



Fig.31

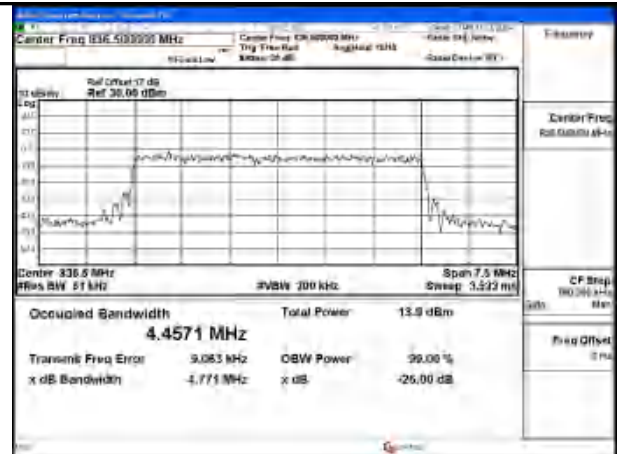


Fig.32



Fig.33



Fig.34



Fig.35

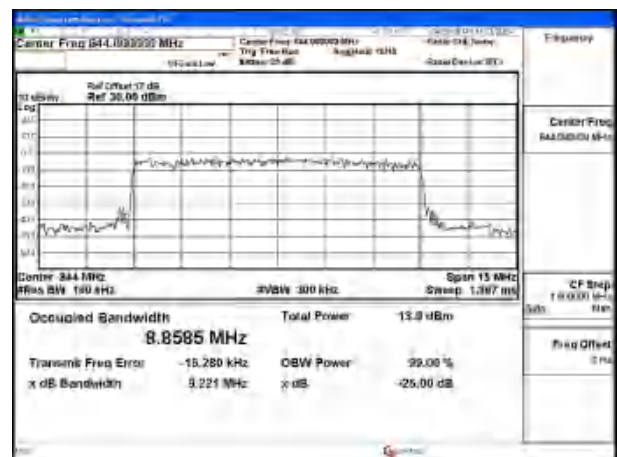


Fig.36



4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
5	824.7	20407	1.4	1	5	Fig.1	Fig.2	Fig.3
5	824.7	20407	1.4	6	0	Fig.4	Fig.5	Fig.6
5	836.5	20525	1.4	1	5	Fig.7	Fig.8	Fig.9
5	836.5	20525	1.4	6	0	Fig.10	Fig.11	Fig.12
5	848.3	20643	1.4	1	5	Fig.13	Fig.14	Fig.15
5	848.3	20643	1.4	6	0	Fig.16	Fig.17	Fig.18
5	825.5	20415	3	1	14	Fig.19	Fig.20	Fig.21
5	825.5	20415	3	15	0	Fig.22	Fig.23	Fig.24
5	836.5	20525	3	1	14	Fig.25	Fig.26	Fig.27
5	836.5	20525	3	15	0	Fig.28	Fig.29	Fig.30
5	847.5	20635	3	1	14	Fig.31	Fig.32	Fig.33
5	847.5	20635	3	15	0	Fig.34	Fig.35	Fig.36
5	826.5	20425	5	1	24	Fig.37	Fig.38	Fig.39
5	826.5	20425	5	25	0	Fig.40	Fig.41	Fig.42
5	836.5	20525	5	1	24	Fig.43	Fig.44	Fig.45
5	836.5	20525	5	25	0	Fig.46	Fig.47	Fig.48
5	846.5	20625	5	1	24	Fig.49	Fig.50	Fig.51
5	846.5	20625	5	25	0	Fig.52	Fig.53	Fig.54
5	829	20450	10	1	49	Fig.55	Fig.56	Fig.57
5	829	20450	10	50	0	Fig.58	Fig.59	Fig.60
5	836.5	20525	10	1	49	Fig.61	Fig.62	Fig.63
5	836.5	20525	10	50	0	Fig.64	Fig.65	Fig.66
5	844	20600	10	1	49	Fig.67	Fig.68	Fig.69
5	844	20600	10	50	0	Fig.70	Fig.71	Fig.72

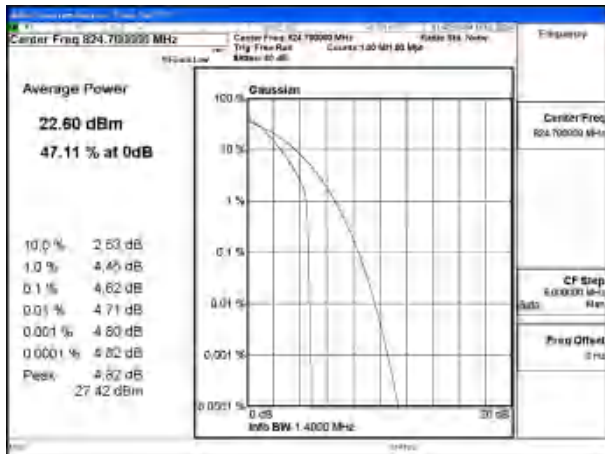


Fig.1

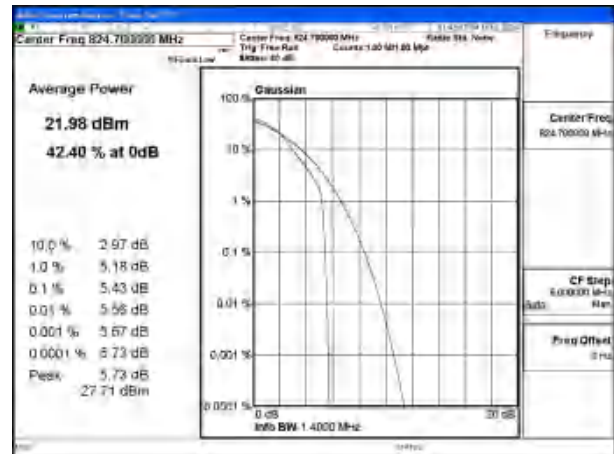


Fig.2

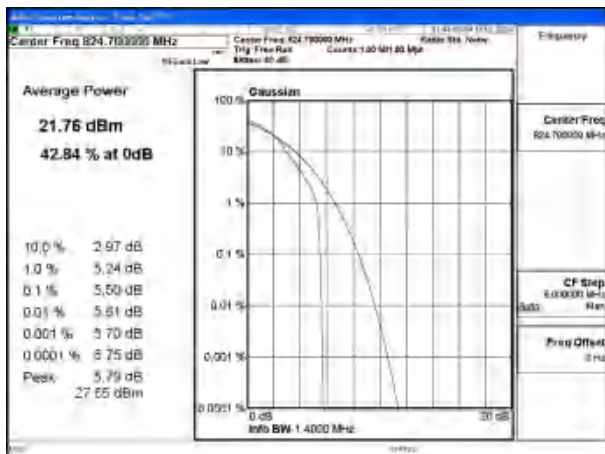


Fig.3

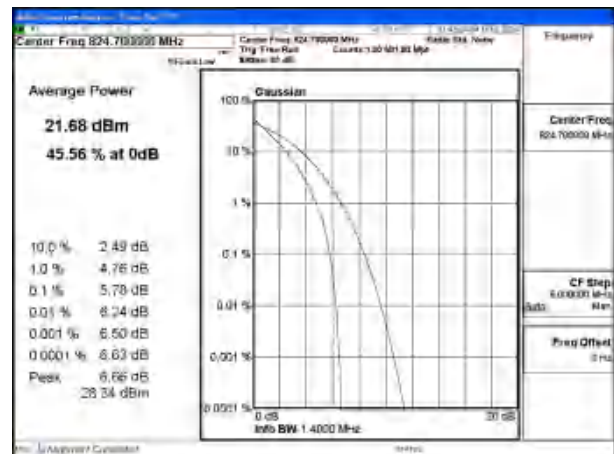


Fig.4

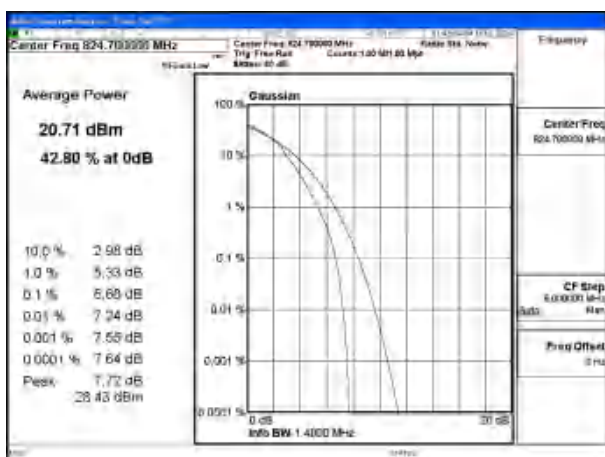


Fig.5

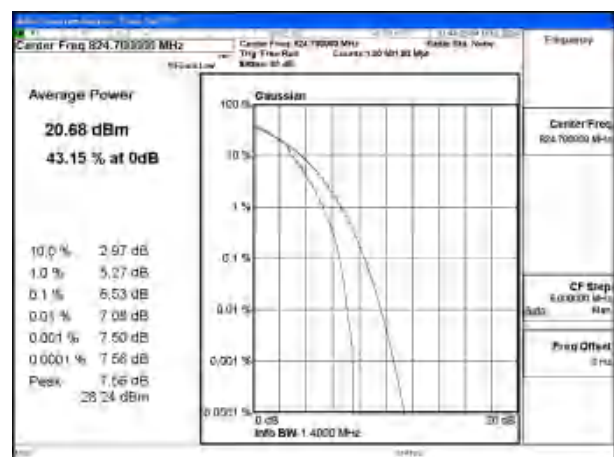


Fig.6

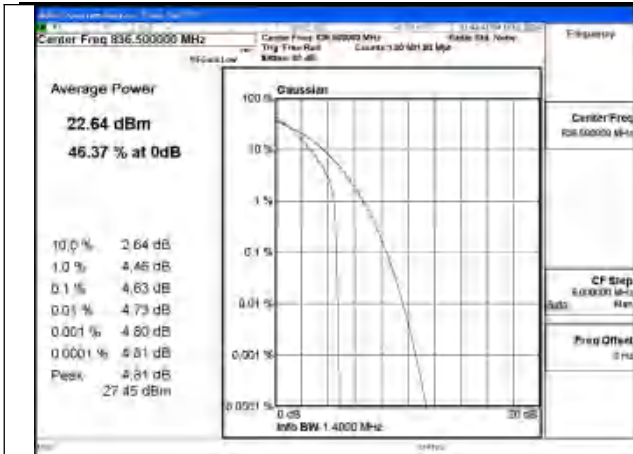


Fig.7

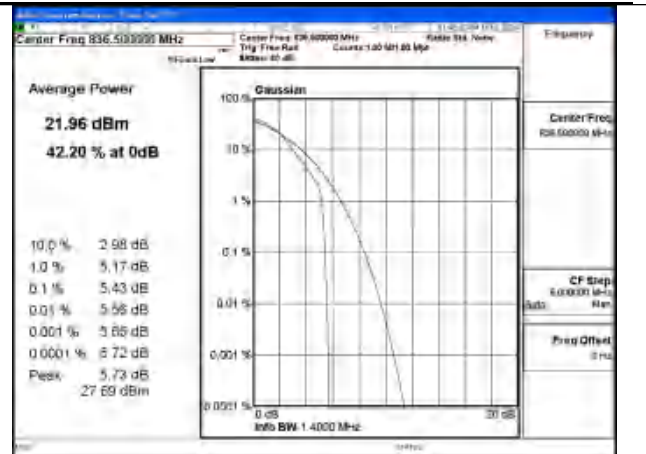


Fig.8

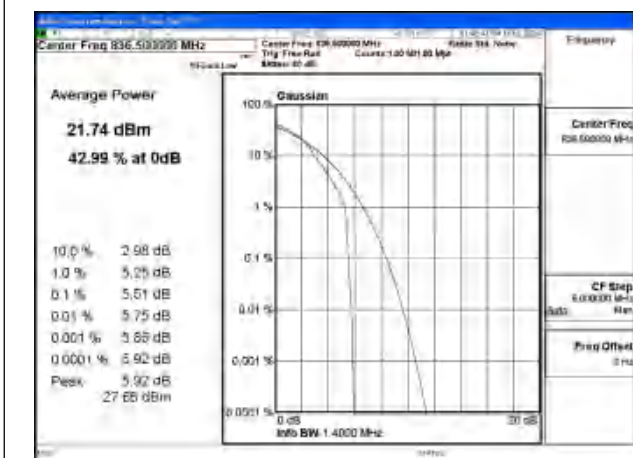


Fig.9

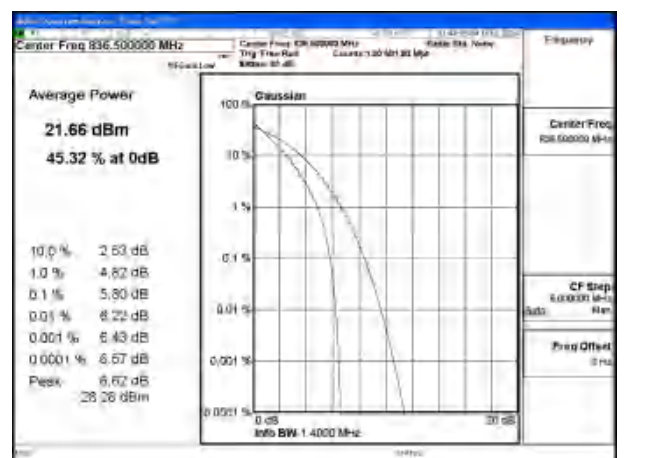


Fig.10

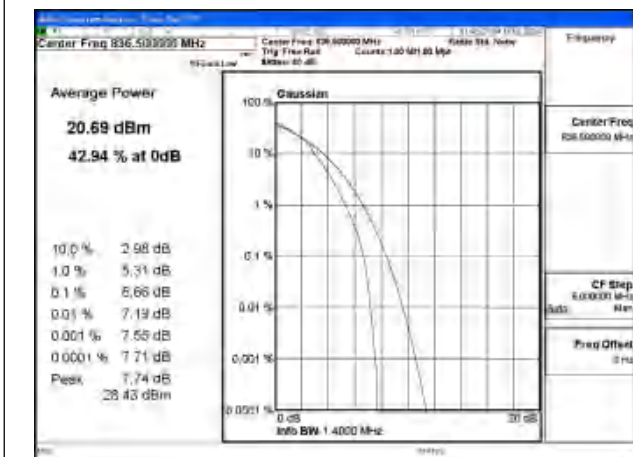


Fig.11

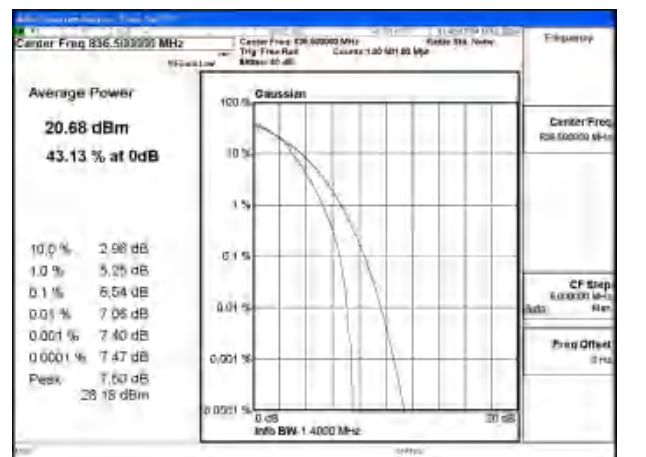


Fig.12

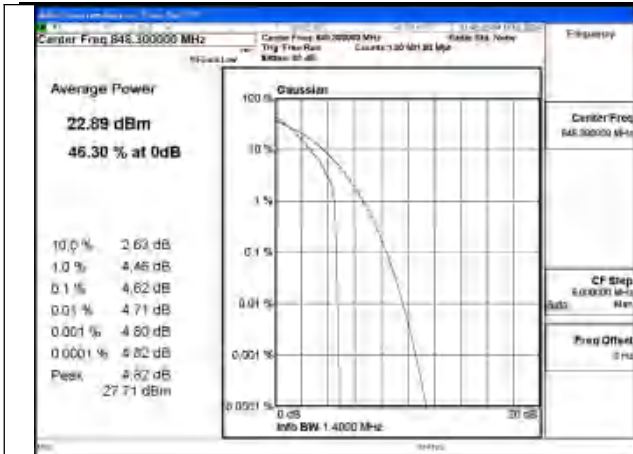


Fig.13

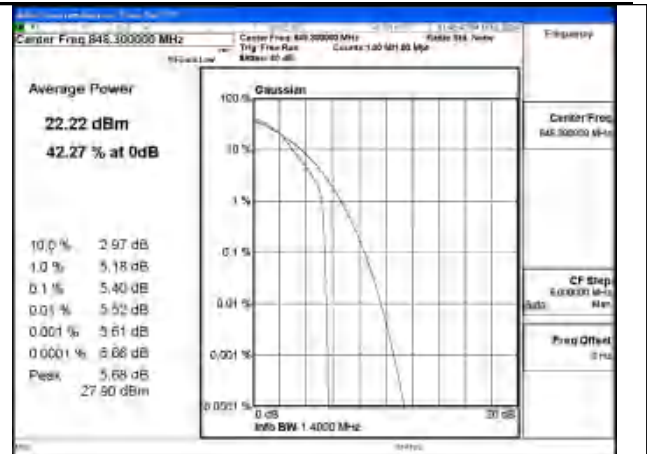


Fig.14

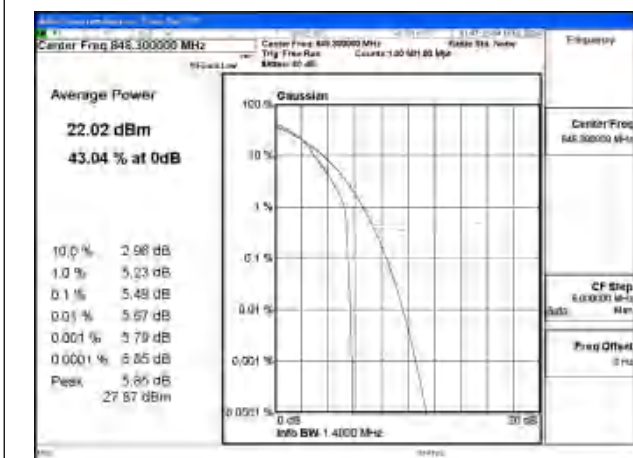


Fig.15

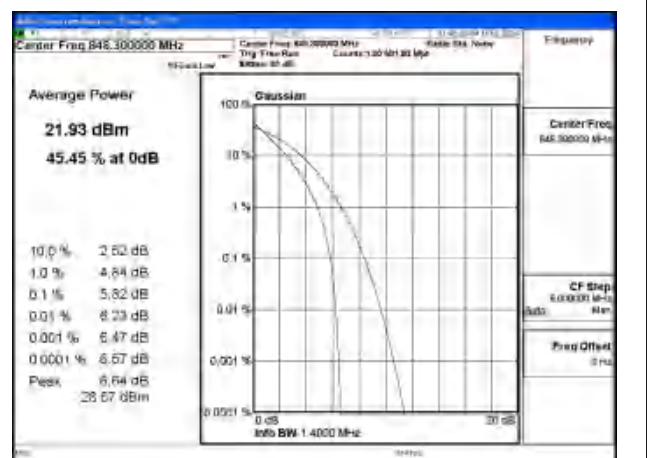


Fig.16

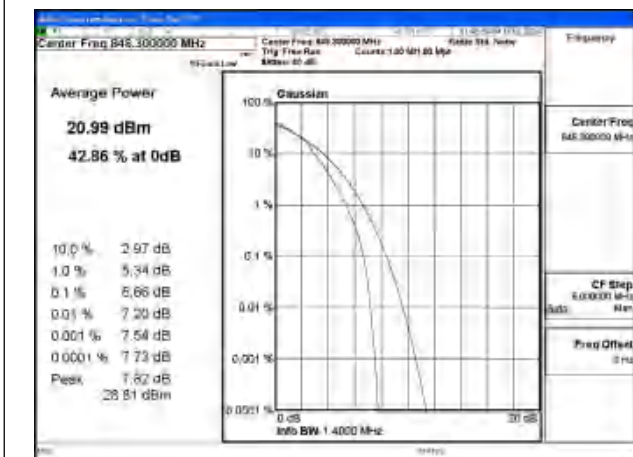


Fig.17

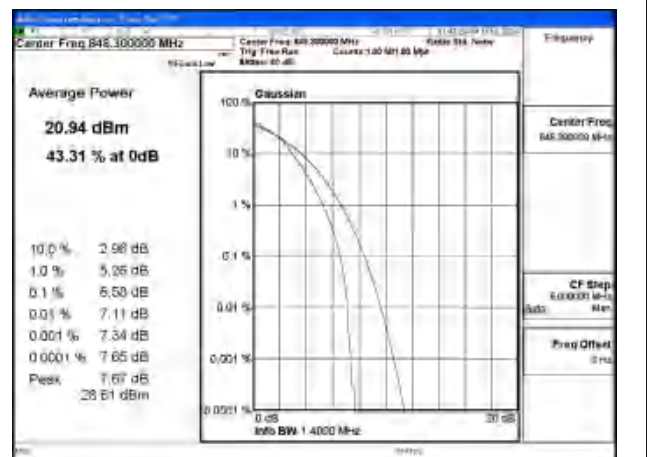


Fig.18

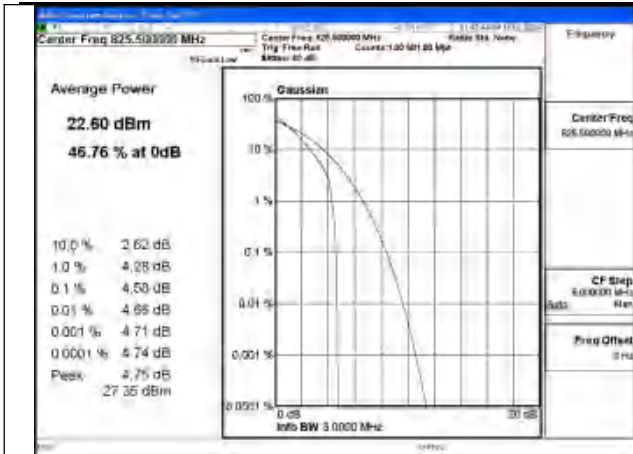


Fig.19

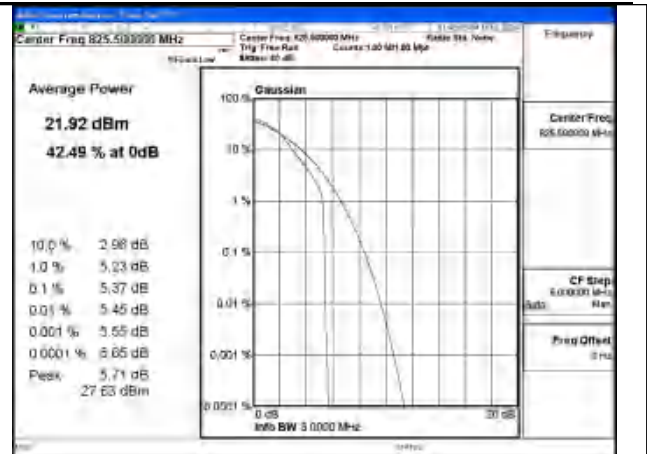


Fig.20

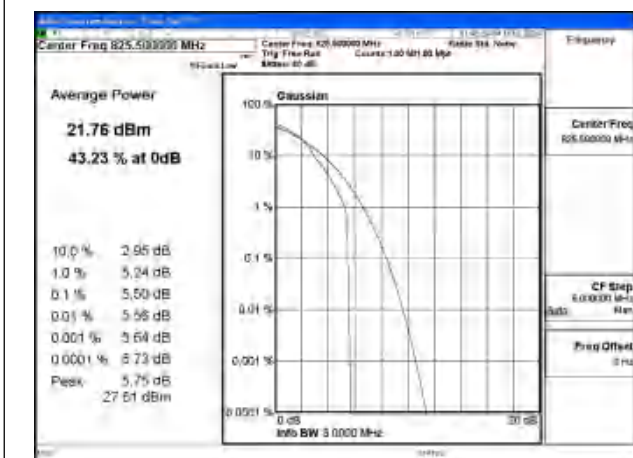


Fig.21

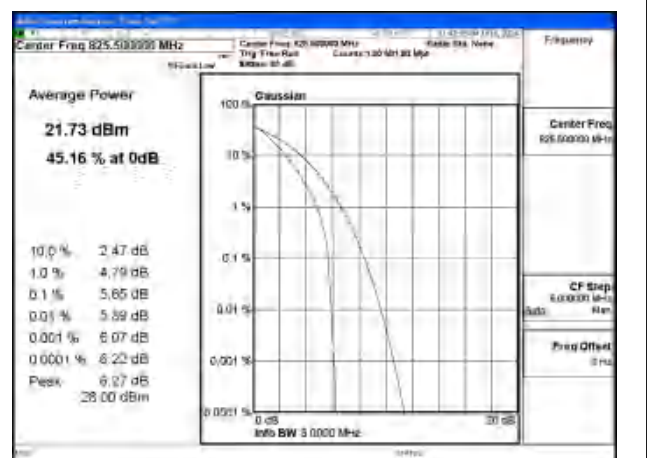


Fig.22

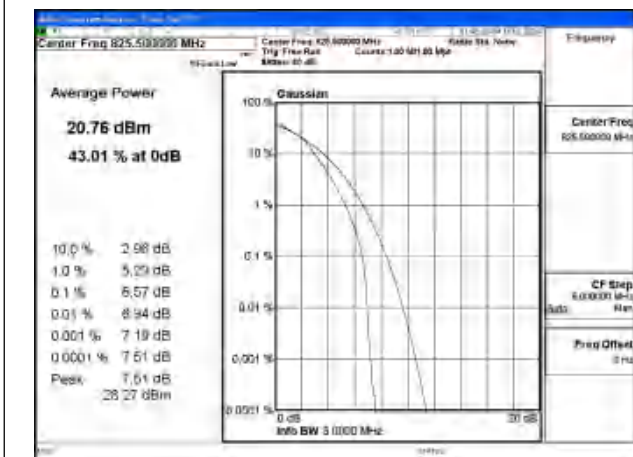


Fig.23

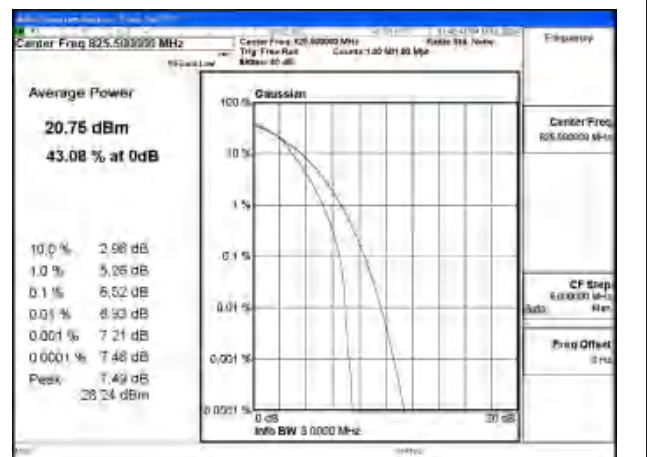


Fig.24

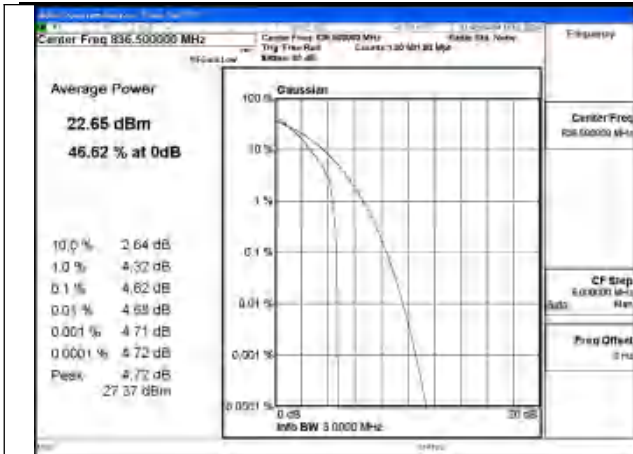


Fig.25

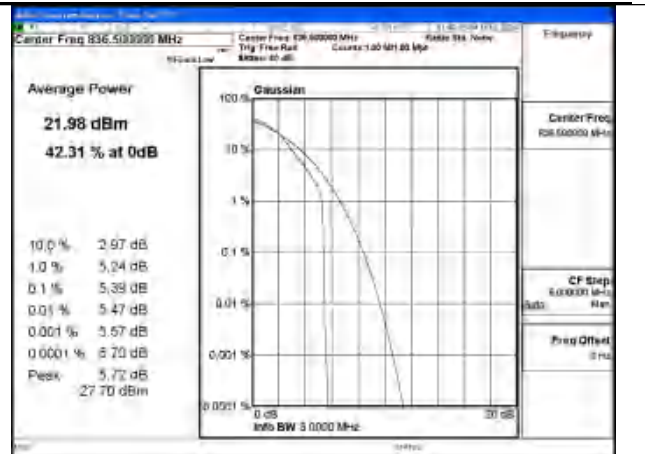


Fig.26

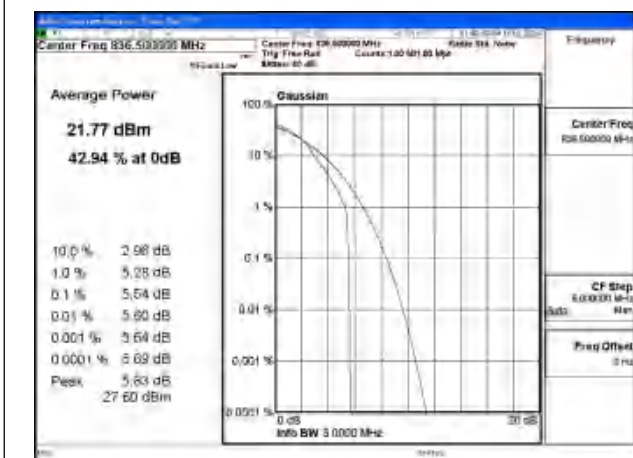


Fig.27

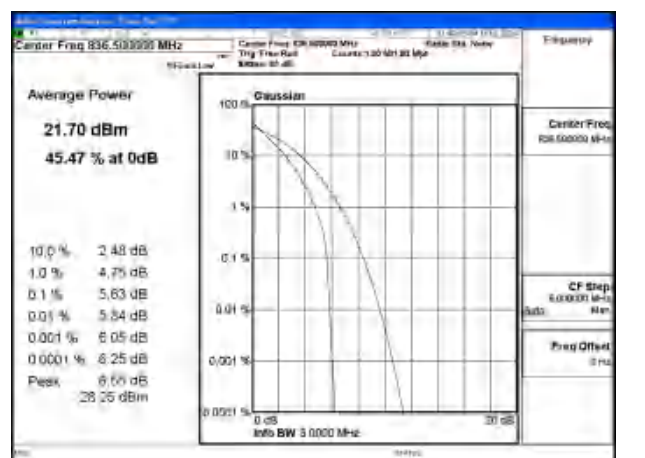


Fig.28

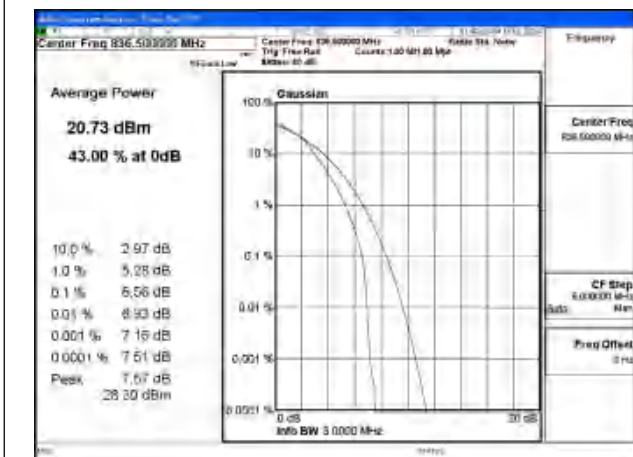


Fig.29

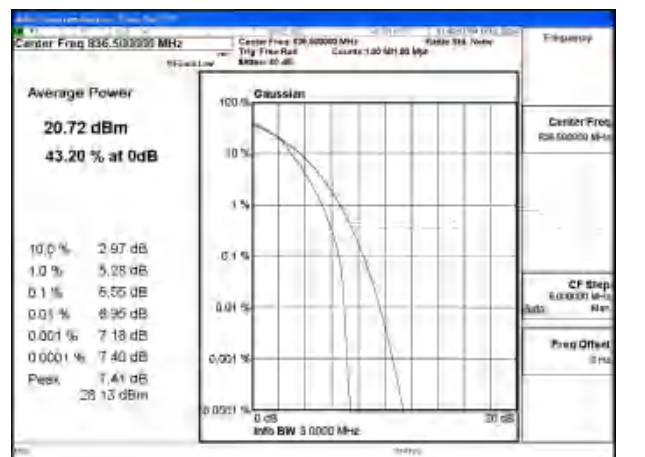


Fig.30

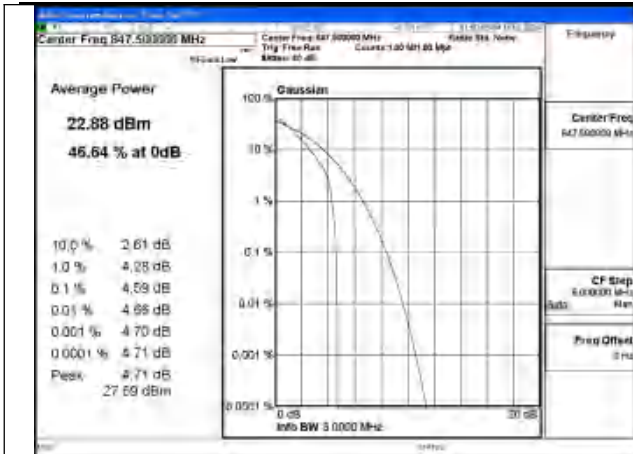


Fig.31

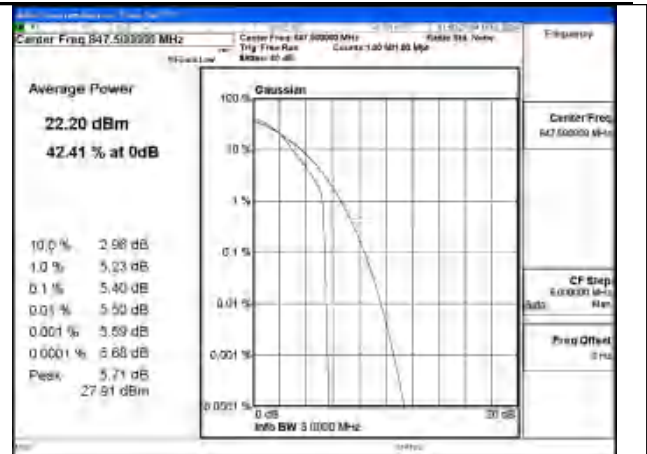


Fig.32

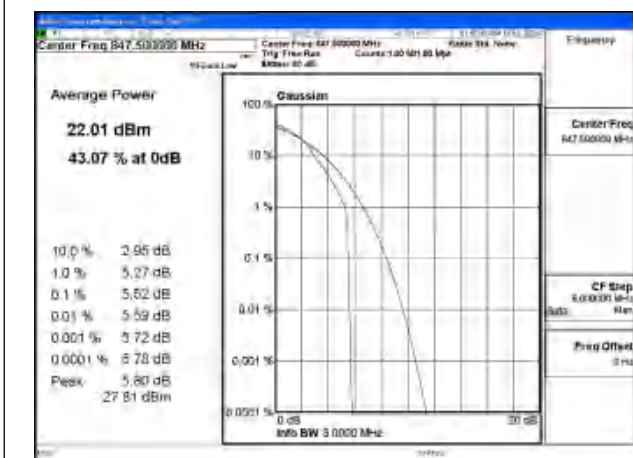


Fig.33

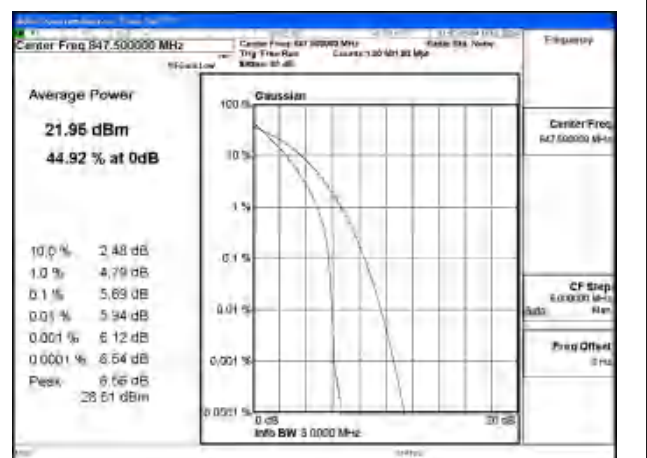


Fig.34

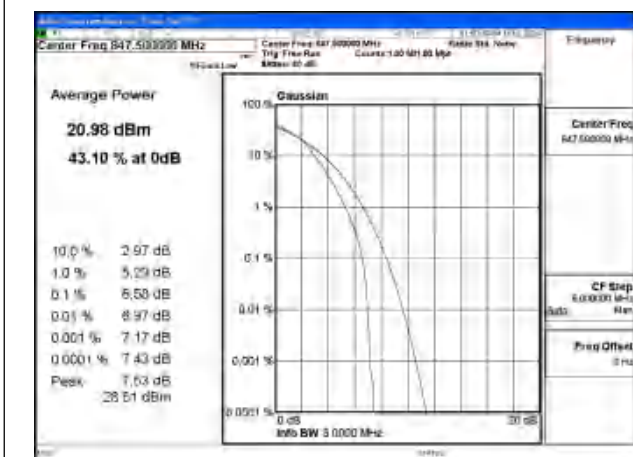


Fig.35

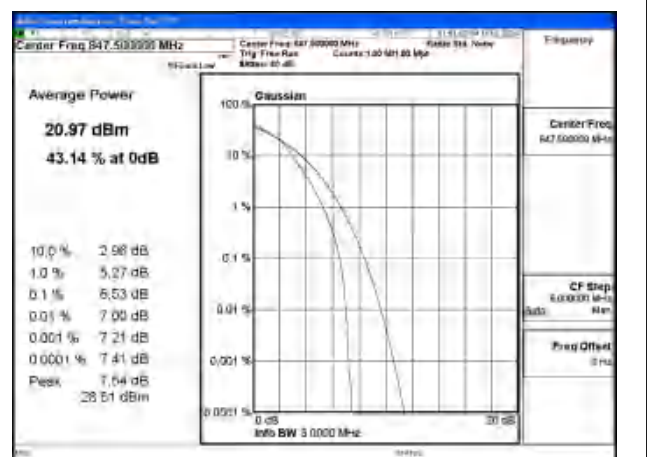


Fig.36

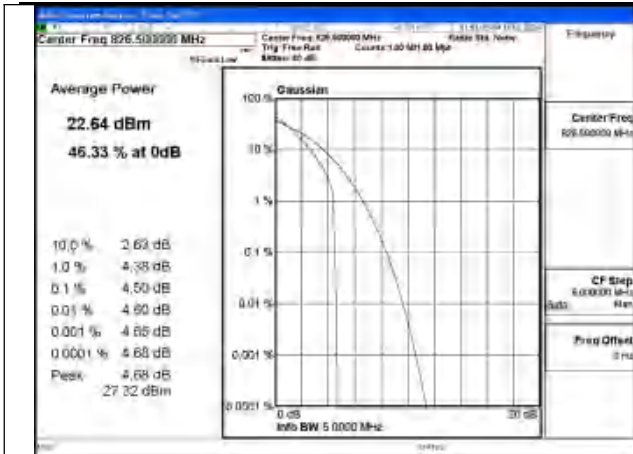


Fig.37

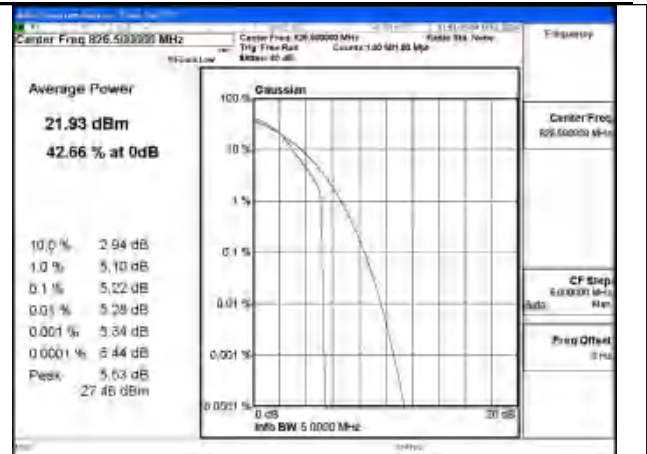


Fig.38

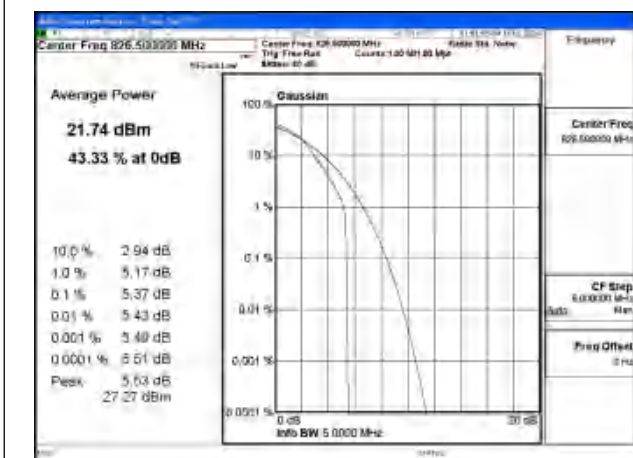


Fig.39

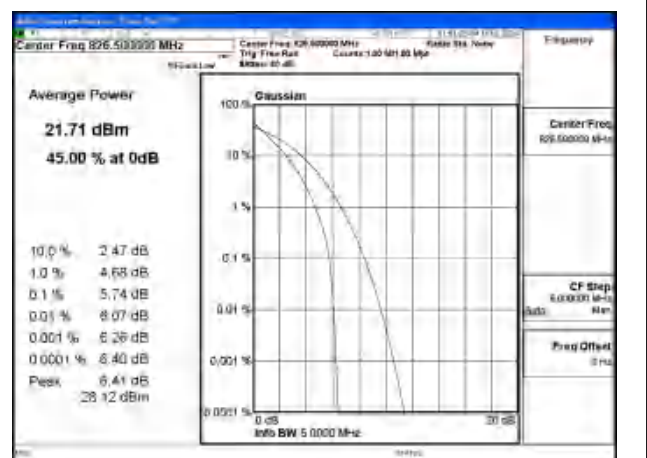


Fig.40

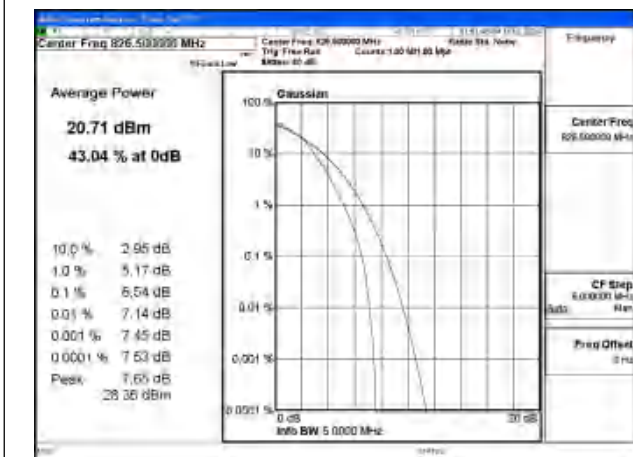


Fig.41

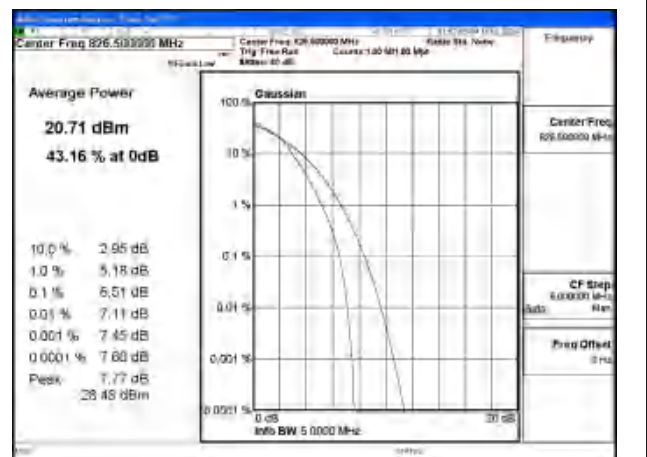


Fig.42

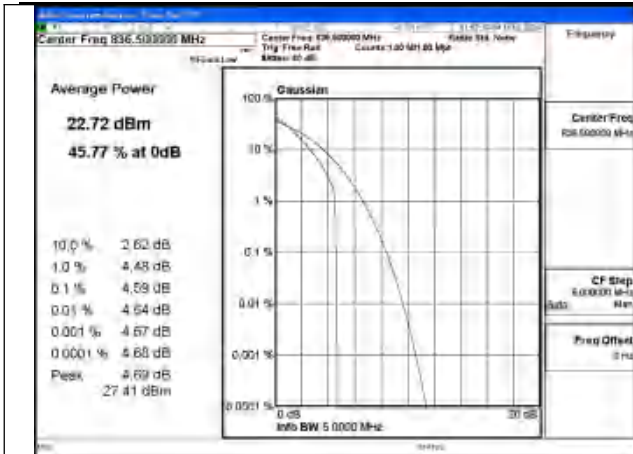


Fig.43

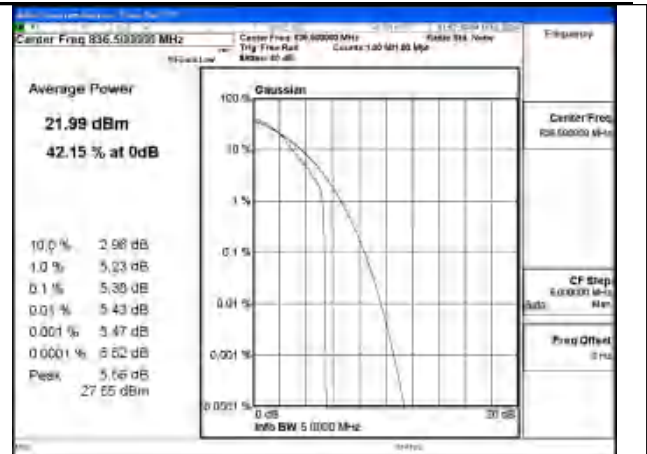


Fig.44

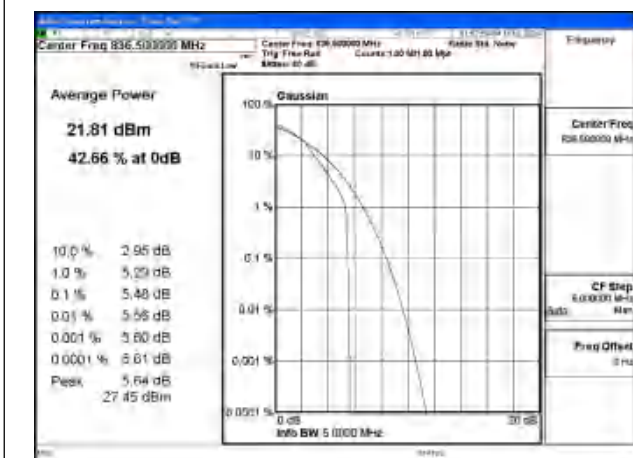


Fig.45

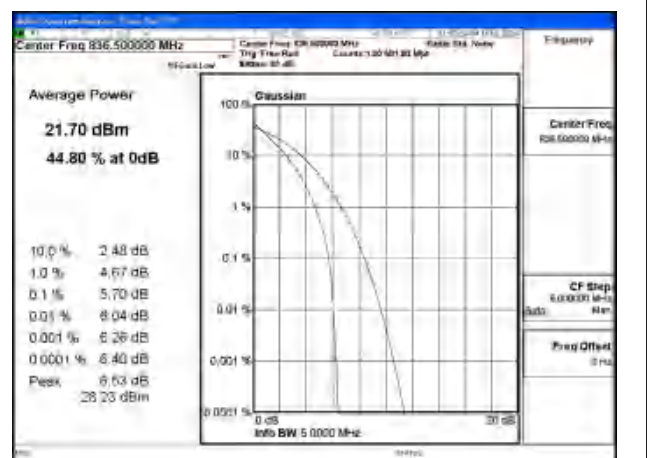


Fig.46

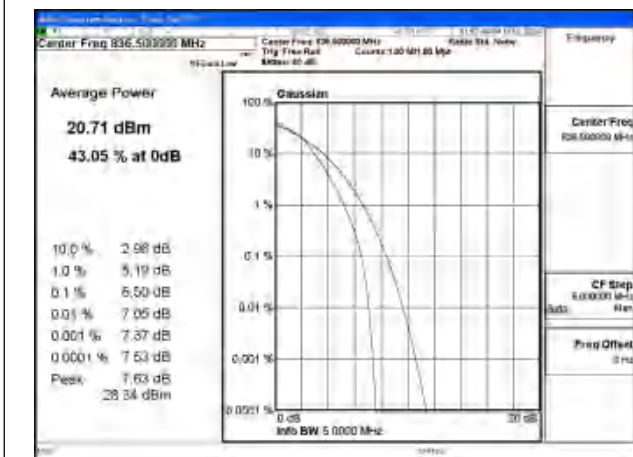


Fig.47

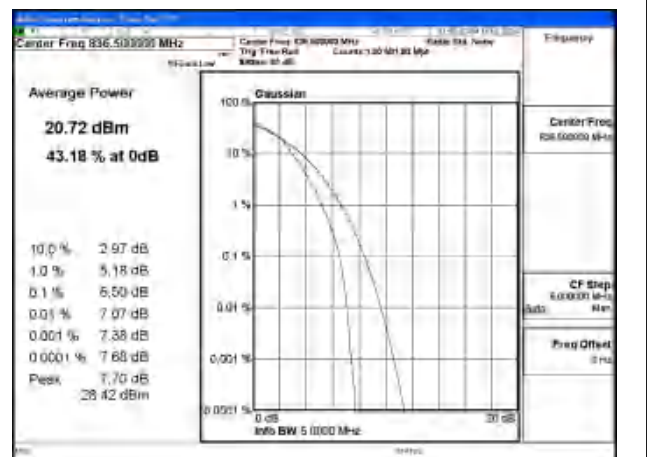


Fig.48

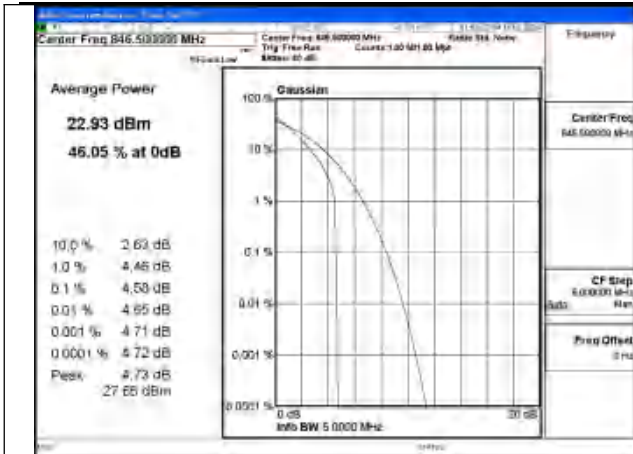


Fig.49

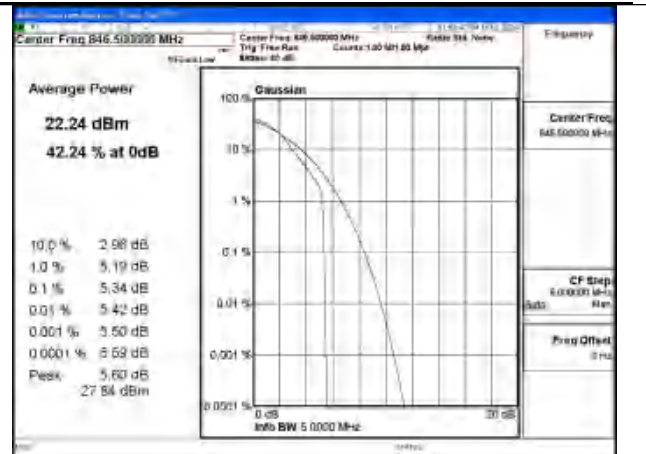


Fig.50

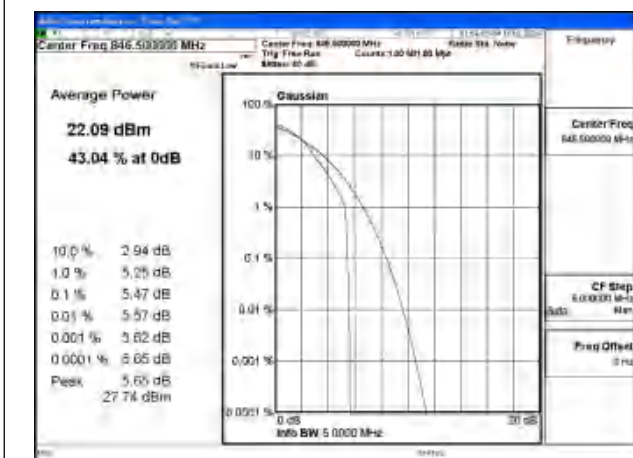


Fig.51

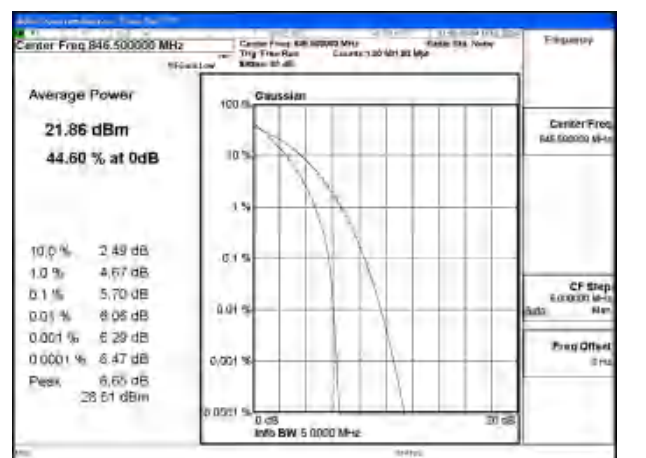


Fig.52

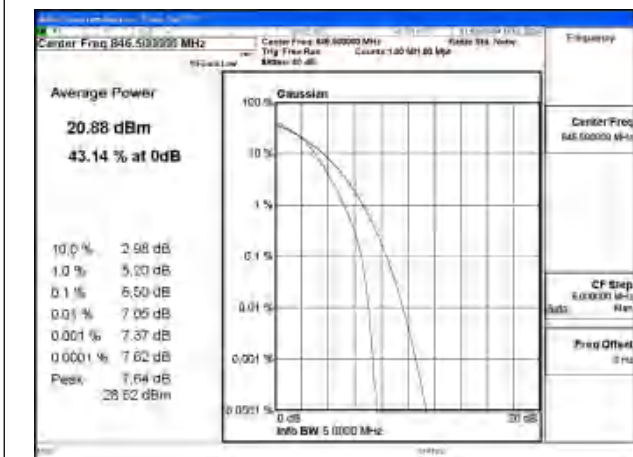


Fig.53

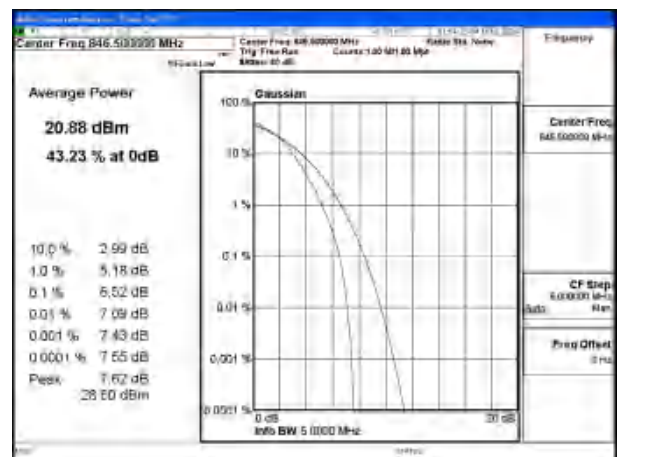


Fig.54

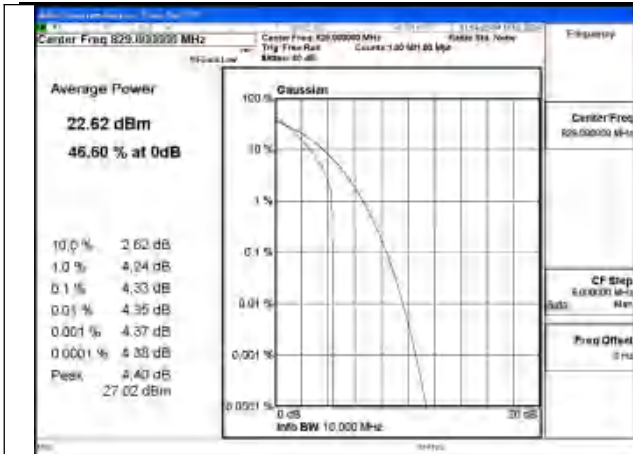


Fig.55

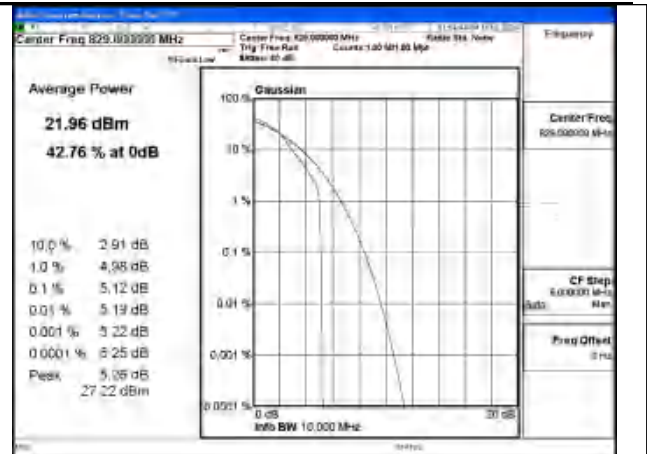


Fig.56

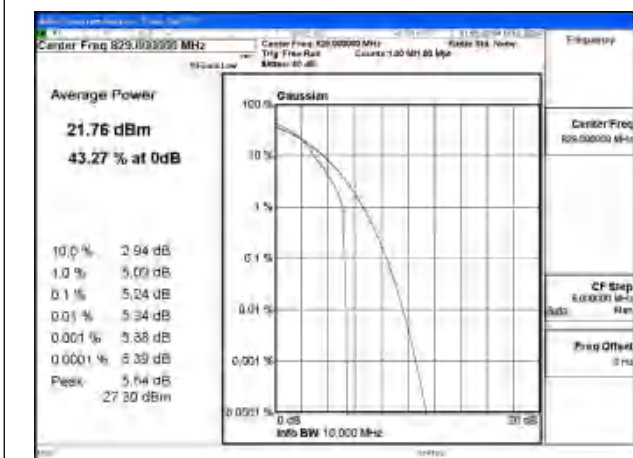


Fig.57

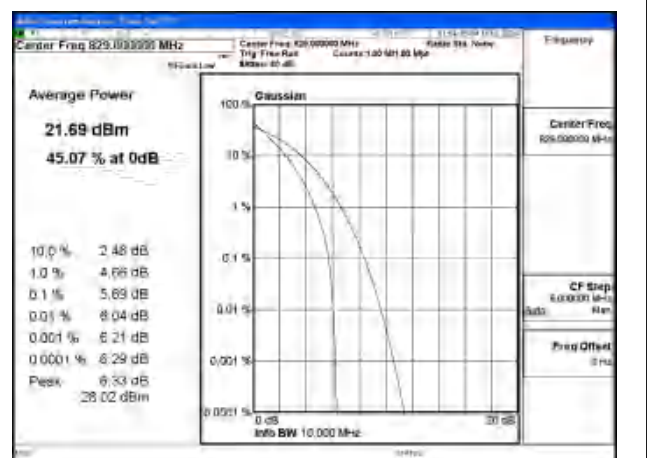


Fig.58

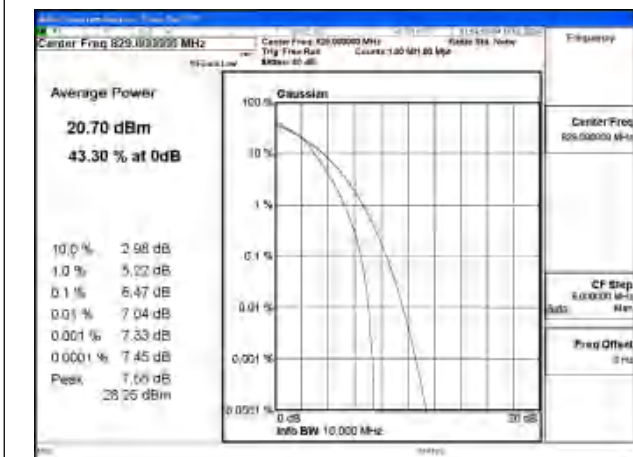


Fig.59

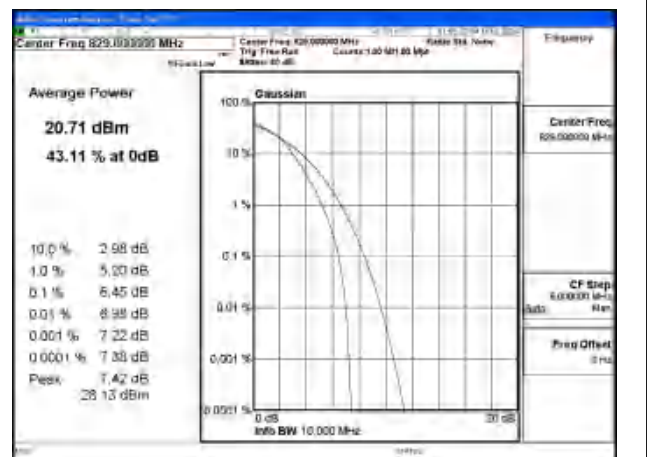


Fig.60

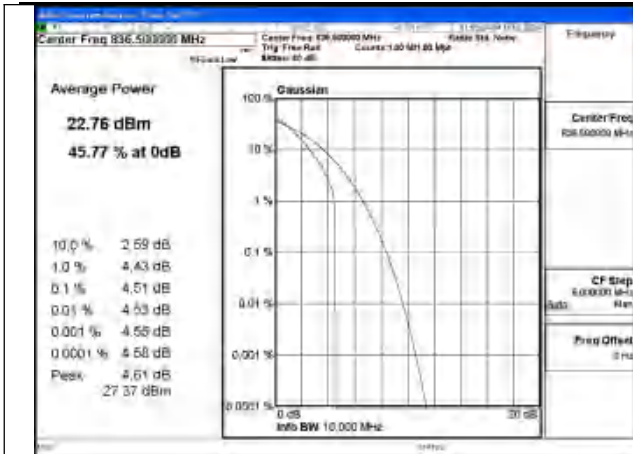


Fig.61

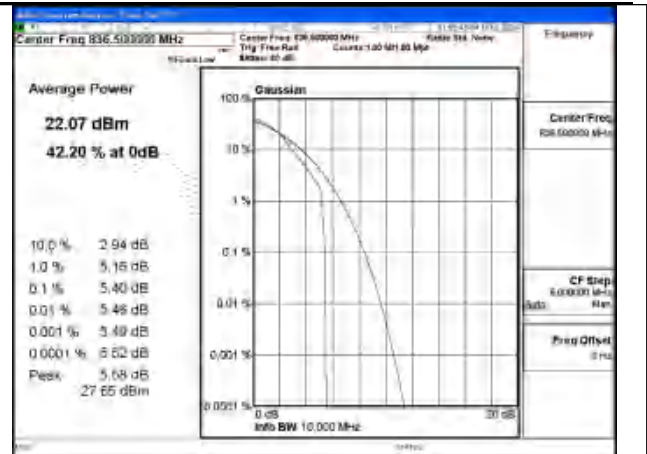


Fig.62

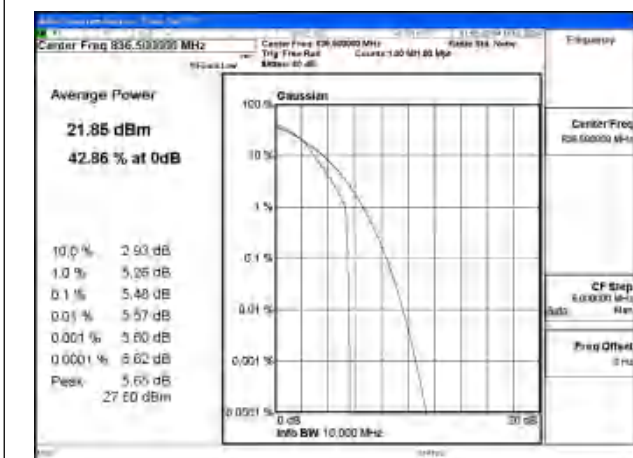


Fig.63

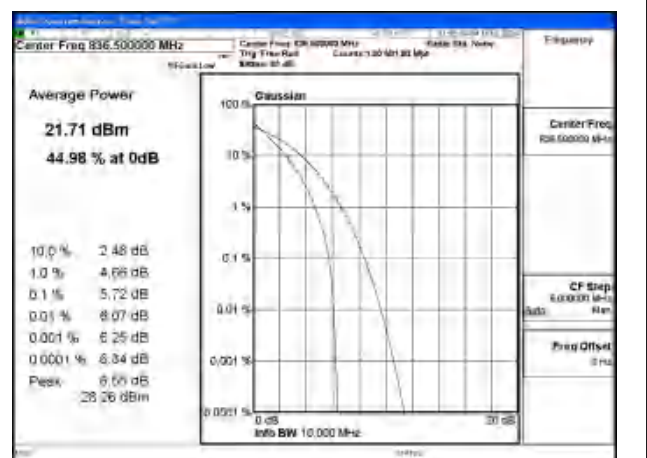


Fig.64

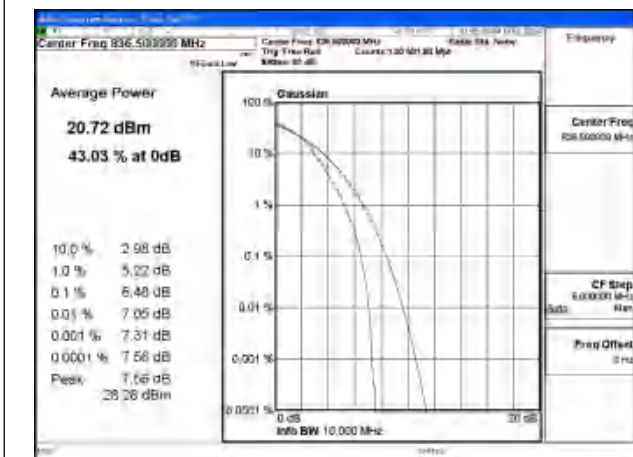


Fig.65

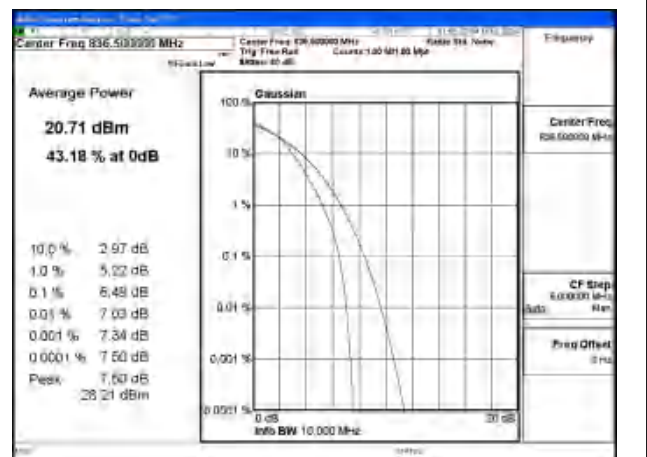


Fig.66

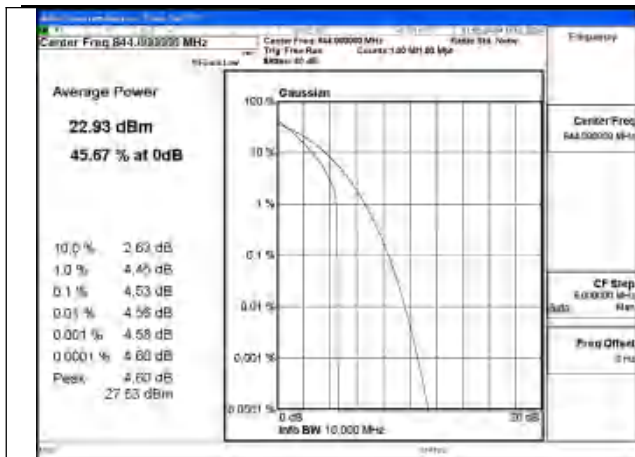


Fig.67

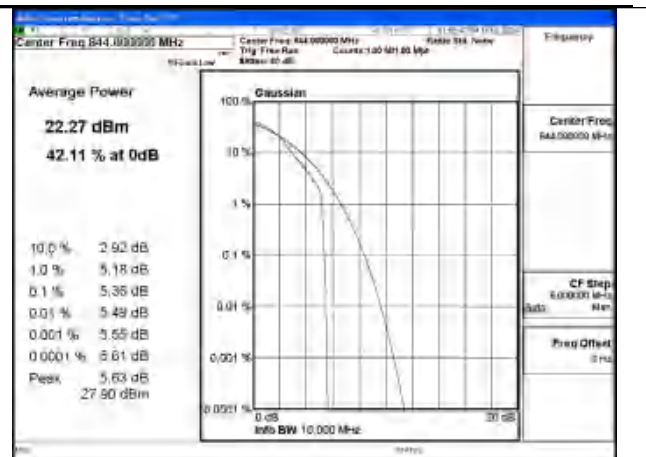


Fig.68

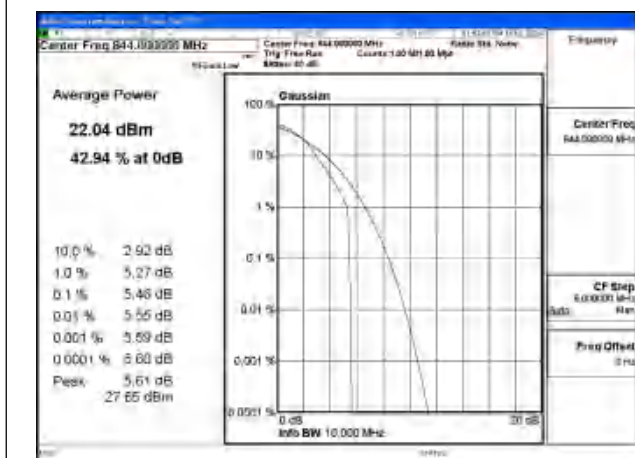


Fig.69

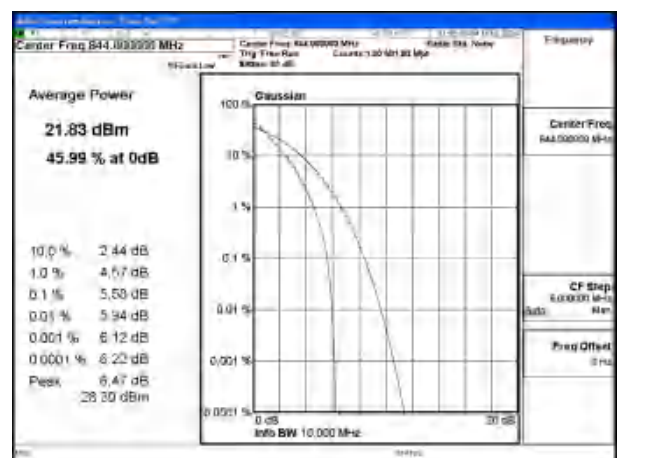


Fig.70

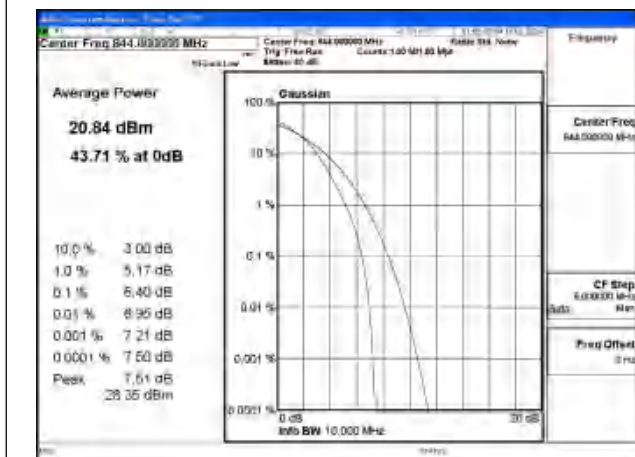


Fig.71

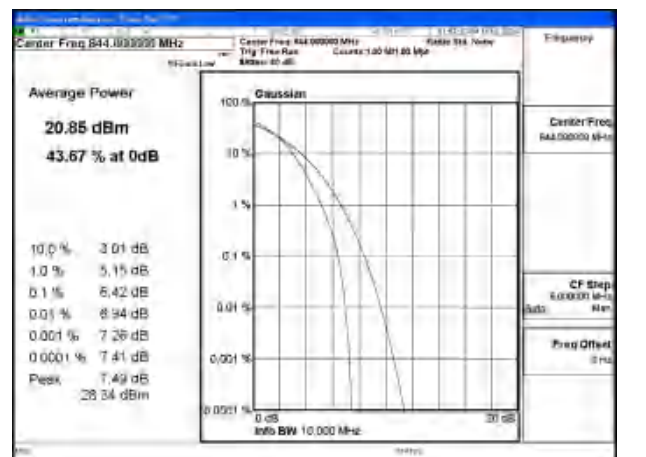


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
5	836.5	20525	10	1	0	Fig.2
5	844	20600	10	1	0	Fig.3



Fig.1



Fig.2

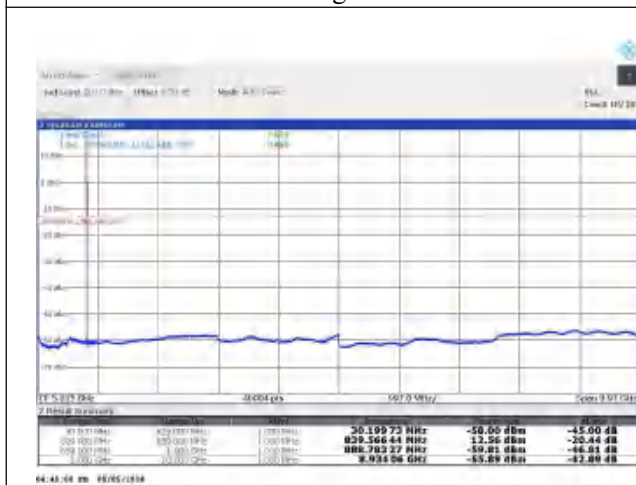


Fig.3



6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
5	QPSK	824.7	20407	1.4	1	0	Fig.1
5	QPSK	824.7	20407	1.4	6	0	Fig.2
5	QPSK	848.3	20643	1.4	1	5	Fig.3
5	QPSK	848.3	20643	1.4	6	0	Fig.4
5	QPSK	825.5	20415	3	1	0	Fig.5
5	QPSK	825.5	20415	3	15	0	Fig.6
5	QPSK	847.5	20635	3	1	14	Fig.7
5	QPSK	847.5	20635	3	15	0	Fig.8
5	QPSK	826.5	20425	5	1	0	Fig.9
5	QPSK	826.5	20425	5	25	0	Fig.10
5	QPSK	846.5	20625	5	1	24	Fig.11
5	QPSK	846.5	20625	5	25	0	Fig.12
5	QPSK	829	20450	10	1	0	Fig.13
5	QPSK	829	20450	10	50	0	Fig.14
5	QPSK	844	20600	10	1	49	Fig.15
5	QPSK	844	20600	10	50	0	Fig.16

Test Mode: QPSK

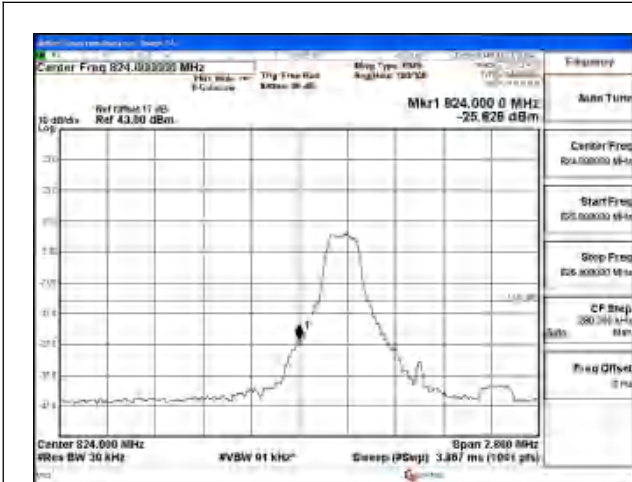


Fig.1



Fig.2

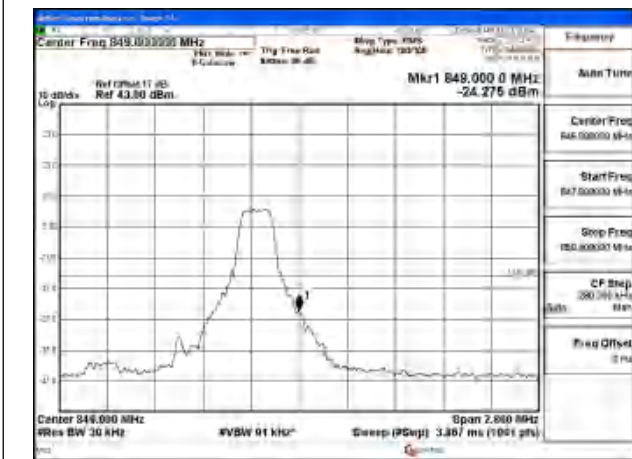


Fig.3

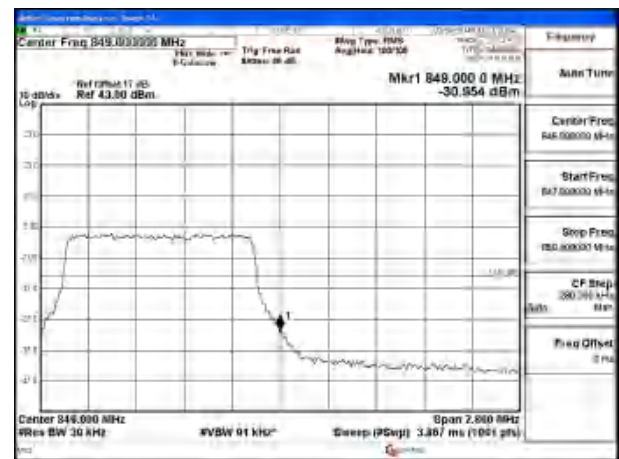


Fig.4

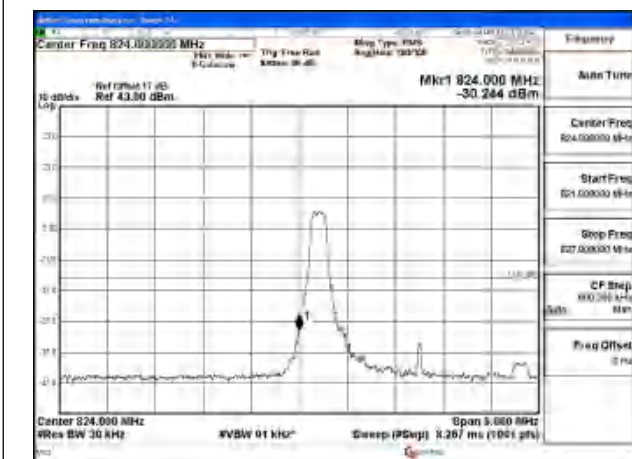


Fig.5

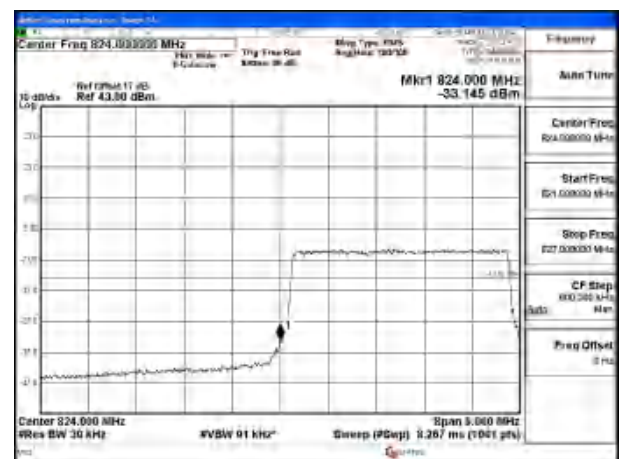


Fig.6

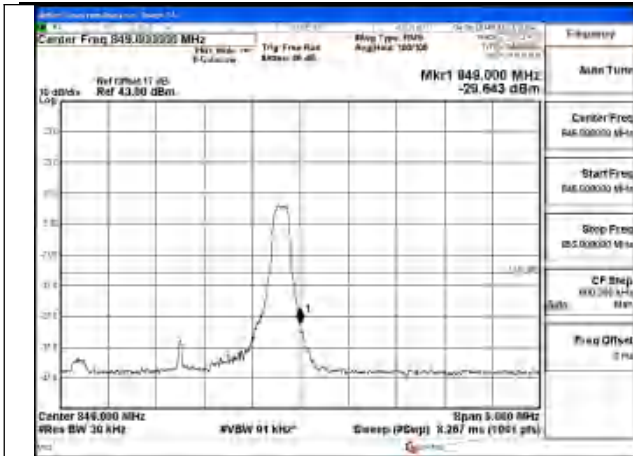


Fig.7



Fig.8

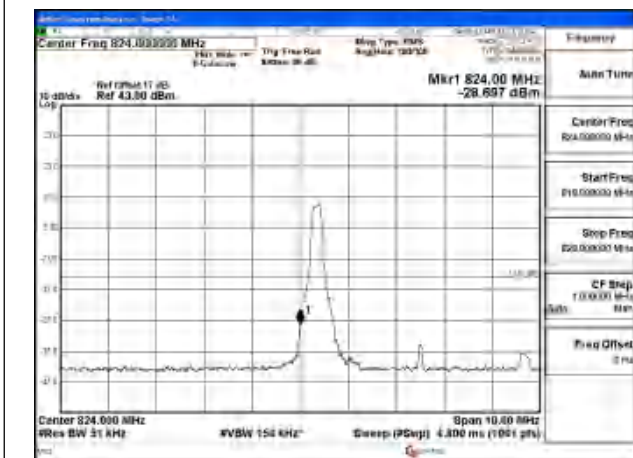


Fig.9

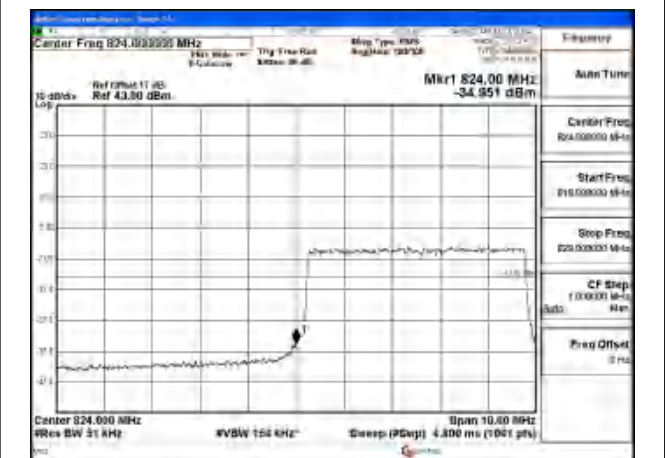


Fig.10

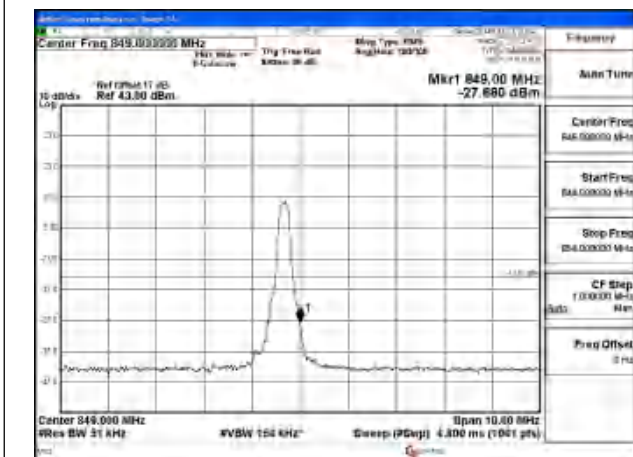


Fig.11

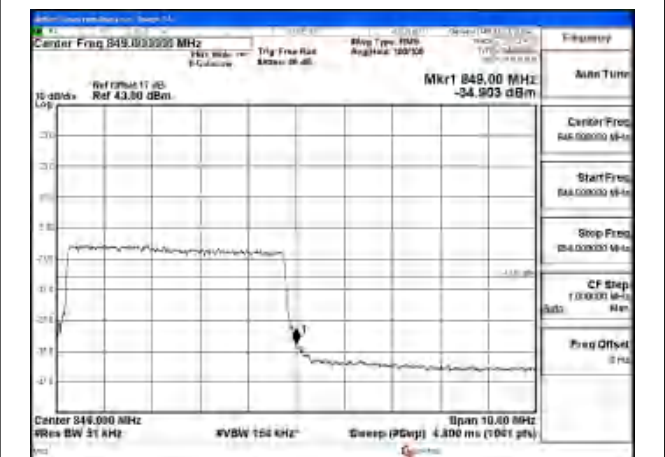


Fig.12

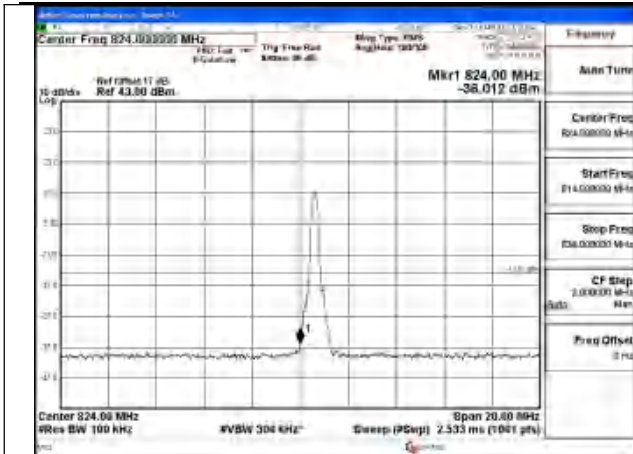


Fig.13



Fig.14

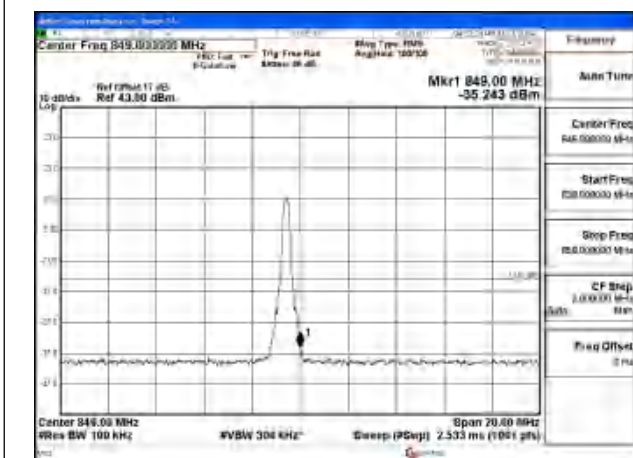


Fig.15

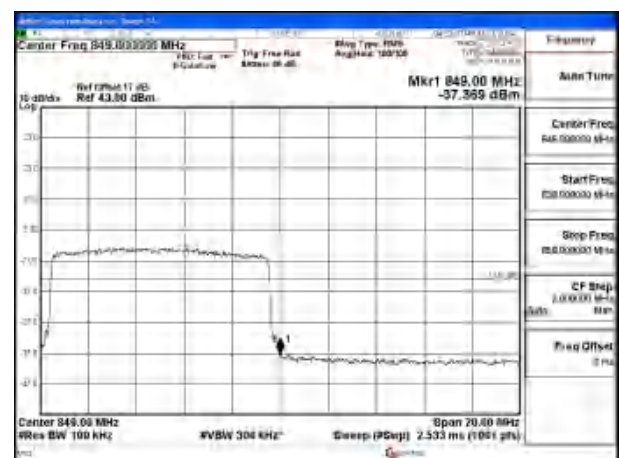


Fig.16



7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.023	-0.004	0.002	-0.004
0	NV	-0.021	-0.003	0.005	-0.004
+10	NV	-0.010	0.005	0.005	0.004
+20	NV	0.006	0.006	0.003	0.006
+30	NV	0.008	0.005	0.004	0.005
+40	NV	-0.025	0.002	0.001	0.003
+55	NV	-0.005	0.005	0.001	-0.006
+20	LV	0.012	-0.003	0.004	0.004
+20	HV	-0.019	-0.002	-0.001	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.012	0.004	0.008	0.005
0	NV	0.015	-0.003	0.006	-0.006
+10	NV	0.014	0.009	-0.005	-0.007
+20	NV	0.007	0.009	0.004	-0.005
+30	NV	-0.011	-0.005	0.004	-0.005
+40	NV	0.021	0.003	0.009	-0.004
+55	NV	-0.009	0.005	0.006	-0.005
+20	LV	0.013	0.004	0.005	-0.005
+20	HV	0.014	0.005	0.003	-0.009



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	824.7	20407	1.4	1	0	22.93	16.28	0.042
QPSK	824.7	20407	1.4	1	3	22.97	16.32	0.043
QPSK	824.7	20407	1.4	1	5	22.82	16.17	0.041
QPSK	824.7	20407	1.4	3	0	23.03	16.38	0.043
QPSK	824.7	20407	1.4	3	1	23.04	16.39	0.044
QPSK	824.7	20407	1.4	3	3	23.09	16.44	0.044
QPSK	824.7	20407	1.4	6	0	22.02	15.37	0.034
QPSK	836.5	20525	1.4	1	0	22.74	16.09	0.041
QPSK	836.5	20525	1.4	1	3	22.82	16.17	0.041
QPSK	836.5	20525	1.4	1	5	22.67	16.02	0.040
QPSK	836.5	20525	1.4	3	0	22.78	16.13	0.041
QPSK	836.5	20525	1.4	3	1	22.75	16.10	0.041
QPSK	836.5	20525	1.4	3	3	22.86	16.21	0.042
QPSK	836.5	20525	1.4	6	0	21.82	15.17	0.033
QPSK	848.3	20643	1.4	1	0	22.76	16.11	0.041
QPSK	848.3	20643	1.4	1	3	22.92	16.27	0.042
QPSK	848.3	20643	1.4	1	5	22.92	16.27	0.042
QPSK	848.3	20643	1.4	3	0	22.77	16.12	0.041
QPSK	848.3	20643	1.4	3	1	22.84	16.19	0.042
QPSK	848.3	20643	1.4	3	3	22.80	16.15	0.041
QPSK	848.3	20643	1.4	6	0	21.82	15.17	0.033



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	824.7	20407	1.4	1	0	22.44	15.79	0.038
16QAM	824.7	20407	1.4	1	3	22.71	16.06	0.040
16QAM	824.7	20407	1.4	1	5	21.98	15.33	0.034
16QAM	824.7	20407	1.4	3	0	22.37	15.72	0.037
16QAM	824.7	20407	1.4	3	1	22.02	15.37	0.034
16QAM	824.7	20407	1.4	3	3	22.27	15.62	0.036
16QAM	824.7	20407	1.4	6	0	21.00	14.35	0.027
16QAM	836.5	20525	1.4	1	0	21.76	15.11	0.032
16QAM	836.5	20525	1.4	1	3	22.28	15.63	0.037
16QAM	836.5	20525	1.4	1	5	22.11	15.46	0.035
16QAM	836.5	20525	1.4	3	0	22.02	15.37	0.034
16QAM	836.5	20525	1.4	3	1	21.76	15.11	0.032
16QAM	836.5	20525	1.4	3	3	21.76	15.11	0.032
16QAM	836.5	20525	1.4	6	0	20.96	14.31	0.027
16QAM	848.3	20643	1.4	1	0	22.36	15.71	0.037
16QAM	848.3	20643	1.4	1	3	22.25	15.60	0.036
16QAM	848.3	20643	1.4	1	5	22.06	15.41	0.035
16QAM	848.3	20643	1.4	3	0	21.89	15.24	0.033
16QAM	848.3	20643	1.4	3	1	21.79	15.14	0.033
16QAM	848.3	20643	1.4	3	3	21.98	15.33	0.034
16QAM	848.3	20643	1.4	6	0	20.93	14.28	0.027
64QAM	824.7	20407	1.4	1	0	22.14	15.49	0.035
64QAM	824.7	20407	1.4	1	3	22.31	15.66	0.037
64QAM	824.7	20407	1.4	1	5	22.02	15.37	0.034
64QAM	824.7	20407	1.4	3	0	22.21	15.56	0.036
64QAM	824.7	20407	1.4	3	1	22.11	15.46	0.035
64QAM	824.7	20407	1.4	3	3	22.09	15.44	0.035
64QAM	824.7	20407	1.4	6	0	21.29	14.64	0.029
64QAM	836.5	20525	1.4	1	0	21.82	15.17	0.033
64QAM	836.5	20525	1.4	1	3	21.96	15.31	0.034
64QAM	836.5	20525	1.4	1	5	21.34	14.69	0.029
64QAM	836.5	20525	1.4	3	0	21.95	15.30	0.034
64QAM	836.5	20525	1.4	3	1	21.81	15.16	0.033
64QAM	836.5	20525	1.4	3	3	21.86	15.21	0.033
64QAM	836.5	20525	1.4	6	0	20.96	14.31	0.027
64QAM	848.3	20643	1.4	1	0	22.08	15.43	0.035
64QAM	848.3	20643	1.4	1	3	22.11	15.46	0.035
64QAM	848.3	20643	1.4	1	5	21.89	15.24	0.033
64QAM	848.3	20643	1.4	3	0	21.73	15.08	0.032
64QAM	848.3	20643	1.4	3	1	22.08	15.43	0.035
64QAM	848.3	20643	1.4	3	3	22.02	15.37	0.034
64QAM	848.3	20643	1.4	6	0	21.02	14.37	0.027



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	23.10	16.45	0.044
QPSK	825.5	20415	3	1	8	23.11	16.46	0.044
QPSK	825.5	20415	3	1	14	23.04	16.39	0.044
QPSK	825.5	20415	3	8	0	22.10	15.45	0.035
QPSK	825.5	20415	3	8	4	22.07	15.42	0.035
QPSK	825.5	20415	3	8	7	21.99	15.34	0.034
QPSK	825.5	20415	3	15	0	22.06	15.41	0.035
QPSK	836.5	20525	3	1	0	22.75	16.10	0.041
QPSK	836.5	20525	3	1	8	22.83	16.18	0.041
QPSK	836.5	20525	3	1	14	22.64	15.99	0.040
QPSK	836.5	20525	3	8	0	21.80	15.15	0.033
QPSK	836.5	20525	3	8	4	21.83	15.18	0.033
QPSK	836.5	20525	3	8	7	21.76	15.11	0.032
QPSK	836.5	20525	3	15	0	21.72	15.07	0.032
QPSK	847.5	20635	3	1	0	22.69	16.04	0.040
QPSK	847.5	20635	3	1	8	22.85	16.20	0.042
QPSK	847.5	20635	3	1	14	22.86	16.21	0.042
QPSK	847.5	20635	3	8	0	21.90	15.25	0.033
QPSK	847.5	20635	3	8	4	21.90	15.25	0.033
QPSK	847.5	20635	3	8	7	21.88	15.23	0.033
QPSK	847.5	20635	3	15	0	21.82	15.17	0.033



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	20415	3	1	0	22.25	15.60	0.036
16QAM	825.5	20415	3	1	8	22.40	15.75	0.038
16QAM	825.5	20415	3	1	14	22.41	15.76	0.038
16QAM	825.5	20415	3	8	0	21.25	14.60	0.029
16QAM	825.5	20415	3	8	4	21.15	14.50	0.028
16QAM	825.5	20415	3	8	7	21.16	14.51	0.028
16QAM	825.5	20415	3	15	0	21.03	14.38	0.027
16QAM	836.5	20525	3	1	0	21.97	15.32	0.034
16QAM	836.5	20525	3	1	8	21.95	15.30	0.034
16QAM	836.5	20525	3	1	14	21.85	15.20	0.033
16QAM	836.5	20525	3	8	0	20.76	14.11	0.026
16QAM	836.5	20525	3	8	4	20.89	14.24	0.027
16QAM	836.5	20525	3	8	7	20.82	14.17	0.026
16QAM	836.5	20525	3	15	0	20.78	14.13	0.026
16QAM	847.5	20635	3	1	0	22.25	15.60	0.036
16QAM	847.5	20635	3	1	8	21.86	15.21	0.033
16QAM	847.5	20635	3	1	14	22.22	15.57	0.036
16QAM	847.5	20635	3	8	0	20.96	14.31	0.027
16QAM	847.5	20635	3	8	4	21.00	14.35	0.027
16QAM	847.5	20635	3	8	7	21.03	14.38	0.027
16QAM	847.5	20635	3	15	0	20.99	14.34	0.027
64QAM	825.5	20415	3	1	0	21.77	15.12	0.033
64QAM	825.5	20415	3	1	8	22.59	15.94	0.039
64QAM	825.5	20415	3	1	14	21.75	15.10	0.032
64QAM	825.5	20415	3	8	0	21.15	14.50	0.028
64QAM	825.5	20415	3	8	4	21.07	14.42	0.028
64QAM	825.5	20415	3	8	7	21.14	14.49	0.028
64QAM	825.5	20415	3	15	0	21.05	14.40	0.028
64QAM	836.5	20525	3	1	0	21.88	15.23	0.033
64QAM	836.5	20525	3	1	8	22.03	15.38	0.035
64QAM	836.5	20525	3	1	14	21.61	14.96	0.031
64QAM	836.5	20525	3	8	0	20.87	14.22	0.026
64QAM	836.5	20525	3	8	4	20.69	14.04	0.025
64QAM	836.5	20525	3	8	7	20.77	14.12	0.026
64QAM	836.5	20525	3	15	0	20.75	14.10	0.026
64QAM	847.5	20635	3	1	0	22.21	15.56	0.036
64QAM	847.5	20635	3	1	8	22.15	15.50	0.035
64QAM	847.5	20635	3	1	14	21.84	15.19	0.033
64QAM	847.5	20635	3	8	0	20.87	14.22	0.026
64QAM	847.5	20635	3	8	4	20.97	14.32	0.027
64QAM	847.5	20635	3	8	7	20.81	14.16	0.026
64QAM	847.5	20635	3	15	0	20.96	14.31	0.027



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	23.15	16.50	0.045
QPSK	826.5	20425	5	1	12	23.12	16.47	0.044
QPSK	826.5	20425	5	1	24	22.86	16.21	0.042
QPSK	826.5	20425	5	12	0	22.13	15.48	0.035
QPSK	826.5	20425	5	12	7	22.13	15.48	0.035
QPSK	826.5	20425	5	12	13	21.99	15.34	0.034
QPSK	826.5	20425	5	25	0	22.02	15.37	0.034
QPSK	836.5	20525	5	1	0	22.99	16.34	0.043
QPSK	836.5	20525	5	1	12	22.72	16.07	0.040
QPSK	836.5	20525	5	1	24	22.80	16.15	0.041
QPSK	836.5	20525	5	12	0	21.70	15.05	0.032
QPSK	836.5	20525	5	12	7	21.81	15.16	0.033
QPSK	836.5	20525	5	12	13	21.76	15.11	0.032
QPSK	836.5	20525	5	25	0	21.80	15.15	0.033
QPSK	846.5	20625	5	1	0	22.70	16.05	0.040
QPSK	846.5	20625	5	1	12	22.94	16.29	0.043
QPSK	846.5	20625	5	1	24	22.92	16.27	0.042
QPSK	846.5	20625	5	12	0	21.72	15.07	0.032
QPSK	846.5	20625	5	12	7	21.74	15.09	0.032
QPSK	846.5	20625	5	12	13	21.92	15.27	0.034
QPSK	846.5	20625	5	25	0	21.74	15.09	0.032



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	826.5	20425	5	1	0	22.23	15.58	0.036
16QAM	826.5	20425	5	1	12	22.02	15.37	0.034
16QAM	826.5	20425	5	1	24	22.40	15.75	0.038
16QAM	826.5	20425	5	12	0	21.07	14.42	0.028
16QAM	826.5	20425	5	12	7	21.12	14.47	0.028
16QAM	826.5	20425	5	12	13	21.01	14.36	0.027
16QAM	826.5	20425	5	25	0	21.06	14.41	0.028
16QAM	836.5	20525	5	1	0	21.92	15.27	0.034
16QAM	836.5	20525	5	1	12	22.33	15.68	0.037
16QAM	836.5	20525	5	1	24	22.06	15.41	0.035
16QAM	836.5	20525	5	12	0	20.80	14.15	0.026
16QAM	836.5	20525	5	12	7	20.87	14.22	0.026
16QAM	836.5	20525	5	12	13	20.86	14.21	0.026
16QAM	836.5	20525	5	25	0	20.81	14.16	0.026
16QAM	846.5	20625	5	1	0	21.78	15.13	0.033
16QAM	846.5	20625	5	1	12	22.03	15.38	0.035
16QAM	846.5	20625	5	1	24	22.29	15.64	0.037
16QAM	846.5	20625	5	12	0	20.81	14.16	0.026
16QAM	846.5	20625	5	12	7	20.66	14.01	0.025
16QAM	846.5	20625	5	12	13	20.83	14.18	0.026
16QAM	846.5	20625	5	25	0	20.81	14.16	0.026
64QAM	826.5	20425	5	1	0	22.52	15.87	0.039
64QAM	826.5	20425	5	1	12	22.04	15.39	0.035
64QAM	826.5	20425	5	1	24	22.45	15.80	0.038
64QAM	826.5	20425	5	12	0	21.25	14.60	0.029
64QAM	826.5	20425	5	12	7	21.12	14.47	0.028
64QAM	826.5	20425	5	12	13	20.96	14.31	0.027
64QAM	826.5	20425	5	25	0	21.06	14.41	0.028
64QAM	836.5	20525	5	1	0	22.15	15.50	0.035
64QAM	836.5	20525	5	1	12	21.85	15.20	0.033
64QAM	836.5	20525	5	1	24	21.97	15.32	0.034
64QAM	836.5	20525	5	12	0	20.71	14.06	0.025
64QAM	836.5	20525	5	12	7	20.92	14.27	0.027
64QAM	836.5	20525	5	12	13	20.81	14.16	0.026
64QAM	836.5	20525	5	25	0	20.89	14.24	0.027
64QAM	846.5	20625	5	1	0	22.09	15.44	0.035
64QAM	846.5	20625	5	1	12	21.76	15.11	0.032
64QAM	846.5	20625	5	1	24	21.80	15.15	0.033
64QAM	846.5	20625	5	12	0	20.67	14.02	0.025
64QAM	846.5	20625	5	12	7	20.90	14.25	0.027
64QAM	846.5	20625	5	12	13	20.90	14.25	0.027
64QAM	846.5	20625	5	25	0	20.83	14.18	0.026



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	22.97	16.32	0.043
QPSK	829	20450	10	1	25	22.90	16.25	0.042
QPSK	829	20450	10	1	49	22.82	16.17	0.041
QPSK	829	20450	10	25	0	22.11	15.46	0.035
QPSK	829	20450	10	25	12	22.03	15.38	0.035
QPSK	829	20450	10	25	25	21.92	15.27	0.034
QPSK	829	20450	10	50	0	22.06	15.41	0.035
QPSK	836.5	20525	10	1	0	22.92	16.27	0.042
QPSK	836.5	20525	10	1	25	22.76	16.11	0.041
QPSK	836.5	20525	10	1	49	22.58	15.93	0.039
QPSK	836.5	20525	10	25	0	21.81	15.16	0.033
QPSK	836.5	20525	10	25	12	21.85	15.20	0.033
QPSK	836.5	20525	10	25	25	21.76	15.11	0.032
QPSK	836.5	20525	10	50	0	21.82	15.17	0.033
QPSK	844	20600	10	1	0	23.00	16.35	0.043
QPSK	844	20600	10	1	25	22.81	16.16	0.041
QPSK	844	20600	10	1	49	22.87	16.22	0.042
QPSK	844	20600	10	25	0	21.75	15.10	0.032
QPSK	844	20600	10	25	12	21.79	15.14	0.033
QPSK	844	20600	10	25	25	21.87	15.22	0.033
QPSK	844	20600	10	50	0	21.70	15.05	0.032



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	20450	10	1	0	22.17	15.52	0.036
16QAM	829	20450	10	1	25	22.31	15.66	0.037
16QAM	829	20450	10	1	49	21.71	15.06	0.032
16QAM	829	20450	10	25	0	20.99	14.34	0.027
16QAM	829	20450	10	25	12	21.00	14.35	0.027
16QAM	829	20450	10	25	25	20.94	14.29	0.027
16QAM	829	20450	10	50	0	20.98	14.33	0.027
16QAM	836.5	20525	10	1	0	22.51	15.86	0.039
16QAM	836.5	20525	10	1	25	22.04	15.39	0.035
16QAM	836.5	20525	10	1	49	21.73	15.08	0.032
16QAM	836.5	20525	10	25	0	20.85	14.20	0.026
16QAM	836.5	20525	10	25	12	20.68	14.03	0.025
16QAM	836.5	20525	10	25	25	20.87	14.22	0.026
16QAM	836.5	20525	10	50	0	20.89	14.24	0.027
16QAM	844	20600	10	1	0	22.24	15.59	0.036
16QAM	844	20600	10	1	25	22.02	15.37	0.034
16QAM	844	20600	10	1	49	22.61	15.96	0.039
16QAM	844	20600	10	25	0	20.87	14.22	0.026
16QAM	844	20600	10	25	12	20.78	14.13	0.026
16QAM	844	20600	10	25	25	20.92	14.27	0.027
16QAM	844	20600	10	50	0	20.74	14.09	0.026
64QAM	829	20450	10	1	0	22.52	15.87	0.039
64QAM	829	20450	10	1	25	22.50	15.85	0.038
64QAM	829	20450	10	1	49	21.92	15.27	0.034
64QAM	829	20450	10	25	0	21.04	14.39	0.027
64QAM	829	20450	10	25	12	20.95	14.30	0.027
64QAM	829	20450	10	25	25	20.94	14.29	0.027
64QAM	829	20450	10	50	0	20.97	14.32	0.027
64QAM	836.5	20525	10	1	0	22.40	15.75	0.038
64QAM	836.5	20525	10	1	25	22.10	15.45	0.035
64QAM	836.5	20525	10	1	49	21.85	15.20	0.033
64QAM	836.5	20525	10	25	0	20.92	14.27	0.027
64QAM	836.5	20525	10	25	12	20.76	14.11	0.026
64QAM	836.5	20525	10	25	25	20.83	14.18	0.026
64QAM	836.5	20525	10	50	0	20.89	14.24	0.027
64QAM	844	20600	10	1	0	21.89	15.24	0.033
64QAM	844	20600	10	1	25	21.80	15.15	0.033
64QAM	844	20600	10	1	49	22.12	15.47	0.035
64QAM	844	20600	10	25	0	20.88	14.23	0.026
64QAM	844	20600	10	25	12	20.79	14.14	0.026
64QAM	844	20600	10	25	25	20.93	14.28	0.027
64QAM	844	20600	10	50	0	20.80	14.15	0.026