



APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	23.07
QPSK	2572.5	37775	5	1	12	23.08
QPSK	2572.5	37775	5	1	24	22.97
QPSK	2572.5	37775	5	12	0	22.17
QPSK	2572.5	37775	5	12	7	22.06
QPSK	2572.5	37775	5	12	13	22.03
QPSK	2572.5	37775	5	25	0	22.09
QPSK	2595	38000	5	1	0	22.70
QPSK	2595	38000	5	1	12	22.59
QPSK	2595	38000	5	1	24	22.72
QPSK	2595	38000	5	12	0	21.72
QPSK	2595	38000	5	12	7	21.60
QPSK	2595	38000	5	12	13	21.57
QPSK	2595	38000	5	25	0	21.60
QPSK	2617.5	38225	5	1	0	22.83
QPSK	2617.5	38225	5	1	12	23.22
QPSK	2617.5	38225	5	1	24	23.12
QPSK	2617.5	38225	5	12	0	21.92
QPSK	2617.5	38225	5	12	7	22.02
QPSK	2617.5	38225	5	12	13	22.01
QPSK	2617.5	38225	5	25	0	22.01



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	22.60
16QAM	2572.5	37775	5	1	12	22.44
16QAM	2572.5	37775	5	1	24	22.68
16QAM	2572.5	37775	5	12	0	21.16
16QAM	2572.5	37775	5	12	7	21.20
16QAM	2572.5	37775	5	12	13	21.19
16QAM	2572.5	37775	5	25	0	21.16
16QAM	2595	38000	5	1	0	21.82
16QAM	2595	38000	5	1	12	22.09
16QAM	2595	38000	5	1	24	21.82
16QAM	2595	38000	5	12	0	20.67
16QAM	2595	38000	5	12	7	20.70
16QAM	2595	38000	5	12	13	20.77
16QAM	2595	38000	5	25	0	20.55
16QAM	2617.5	38225	5	1	0	21.96
16QAM	2617.5	38225	5	1	12	22.51
16QAM	2617.5	38225	5	1	24	22.43
16QAM	2617.5	38225	5	12	0	20.97
16QAM	2617.5	38225	5	12	7	21.07
16QAM	2617.5	38225	5	12	13	21.10
16QAM	2617.5	38225	5	25	0	21.10
64QAM	2572.5	37775	5	1	0	21.80
64QAM	2572.5	37775	5	1	12	22.03
64QAM	2572.5	37775	5	1	24	22.17
64QAM	2572.5	37775	5	12	0	21.17
64QAM	2572.5	37775	5	12	7	21.11
64QAM	2572.5	37775	5	12	13	21.06
64QAM	2572.5	37775	5	25	0	21.14
64QAM	2595	38000	5	1	0	21.65
64QAM	2595	38000	5	1	12	21.67
64QAM	2595	38000	5	1	24	21.59
64QAM	2595	38000	5	12	0	20.69
64QAM	2595	38000	5	12	7	20.61
64QAM	2595	38000	5	12	13	20.68
64QAM	2595	38000	5	25	0	20.63
64QAM	2617.5	38225	5	1	0	21.89
64QAM	2617.5	38225	5	1	12	21.77
64QAM	2617.5	38225	5	1	24	22.31
64QAM	2617.5	38225	5	12	0	20.99
64QAM	2617.5	38225	5	12	7	21.14
64QAM	2617.5	38225	5	12	13	21.16
64QAM	2617.5	38225	5	25	0	21.01



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	23.24
QPSK	2575	37800	10	1	25	23.29
QPSK	2575	37800	10	1	49	22.90
QPSK	2575	37800	10	25	0	22.14
QPSK	2575	37800	10	25	12	22.23
QPSK	2575	37800	10	25	25	21.91
QPSK	2575	37800	10	50	0	22.13
QPSK	2595	38000	10	1	0	22.72
QPSK	2595	38000	10	1	25	22.84
QPSK	2595	38000	10	1	49	22.70
QPSK	2595	38000	10	25	0	21.66
QPSK	2595	38000	10	25	12	21.64
QPSK	2595	38000	10	25	25	21.70
QPSK	2595	38000	10	50	0	21.69
QPSK	2615	38200	10	1	0	22.88
QPSK	2615	38200	10	1	25	22.94
QPSK	2615	38200	10	1	49	22.97
QPSK	2615	38200	10	25	0	21.77
QPSK	2615	38200	10	25	12	21.87
QPSK	2615	38200	10	25	25	22.00
QPSK	2615	38200	10	50	0	21.82



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	22.48
16QAM	2575	37800	10	1	25	22.63
16QAM	2575	37800	10	1	49	21.92
16QAM	2575	37800	10	25	0	21.10
16QAM	2575	37800	10	25	12	21.24
16QAM	2575	37800	10	25	25	21.15
16QAM	2575	37800	10	50	0	21.14
16QAM	2595	38000	10	1	0	22.15
16QAM	2595	38000	10	1	25	22.17
16QAM	2595	38000	10	1	49	21.92
16QAM	2595	38000	10	25	0	20.69
16QAM	2595	38000	10	25	12	20.59
16QAM	2595	38000	10	25	25	20.62
16QAM	2595	38000	10	50	0	20.68
16QAM	2615	38200	10	1	0	22.35
16QAM	2615	38200	10	1	25	22.31
16QAM	2615	38200	10	1	49	22.27
16QAM	2615	38200	10	25	0	20.86
16QAM	2615	38200	10	25	12	20.92
16QAM	2615	38200	10	25	25	20.93
16QAM	2615	38200	10	50	0	20.77
64QAM	2575	37800	10	1	0	22.54
64QAM	2575	37800	10	1	25	22.60
64QAM	2575	37800	10	1	49	22.22
64QAM	2575	37800	10	25	0	21.22
64QAM	2575	37800	10	25	12	21.19
64QAM	2575	37800	10	25	25	21.21
64QAM	2575	37800	10	50	0	21.14
64QAM	2595	38000	10	1	0	21.70
64QAM	2595	38000	10	1	25	22.00
64QAM	2595	38000	10	1	49	21.49
64QAM	2595	38000	10	25	0	20.65
64QAM	2595	38000	10	25	12	20.63
64QAM	2595	38000	10	25	25	20.74
64QAM	2595	38000	10	50	0	20.70
64QAM	2615	38200	10	1	0	22.09
64QAM	2615	38200	10	1	25	22.08
64QAM	2615	38200	10	1	49	22.20
64QAM	2615	38200	10	25	0	20.75
64QAM	2615	38200	10	25	12	20.79
64QAM	2615	38200	10	25	25	20.97
64QAM	2615	38200	10	50	0	20.78



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	23.05
QPSK	2577.5	37825	15	1	37	23.05
QPSK	2577.5	37825	15	1	74	23.01
QPSK	2577.5	37825	15	36	0	22.01
QPSK	2577.5	37825	15	36	29	21.89
QPSK	2577.5	37825	15	36	30	21.96
QPSK	2577.5	37825	15	75	0	21.99
QPSK	2595	38000	15	1	0	22.55
QPSK	2595	38000	15	1	37	22.50
QPSK	2595	38000	15	1	74	22.63
QPSK	2595	38000	15	36	0	21.66
QPSK	2595	38000	15	36	29	21.63
QPSK	2595	38000	15	36	30	21.61
QPSK	2595	38000	15	75	0	21.58
QPSK	2612.5	38175	15	1	0	23.00
QPSK	2612.5	38175	15	1	37	22.83
QPSK	2612.5	38175	15	1	74	23.02
QPSK	2612.5	38175	15	36	0	21.69
QPSK	2612.5	38175	15	36	29	21.79
QPSK	2612.5	38175	15	36	30	21.81
QPSK	2612.5	38175	15	75	0	21.70



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	21.94
16QAM	2577.5	37825	15	1	37	22.09
16QAM	2577.5	37825	15	1	74	21.99
16QAM	2577.5	37825	15	36	0	21.02
16QAM	2577.5	37825	15	36	29	20.91
16QAM	2577.5	37825	15	36	30	20.99
16QAM	2577.5	37825	15	75	0	20.99
16QAM	2595	38000	15	1	0	21.98
16QAM	2595	38000	15	1	37	21.84
16QAM	2595	38000	15	1	74	21.76
16QAM	2595	38000	15	36	0	20.72
16QAM	2595	38000	15	36	29	20.68
16QAM	2595	38000	15	36	30	20.61
16QAM	2595	38000	15	75	0	20.62
16QAM	2612.5	38175	15	1	0	21.86
16QAM	2612.5	38175	15	1	37	21.64
16QAM	2612.5	38175	15	1	74	22.30
16QAM	2612.5	38175	15	36	0	20.78
16QAM	2612.5	38175	15	36	29	20.76
16QAM	2612.5	38175	15	36	30	20.80
16QAM	2612.5	38175	15	75	0	20.74
64QAM	2577.5	37825	15	1	0	22.25
64QAM	2577.5	37825	15	1	37	22.32
64QAM	2577.5	37825	15	1	74	21.66
64QAM	2577.5	37825	15	36	0	21.04
64QAM	2577.5	37825	15	36	29	20.83
64QAM	2577.5	37825	15	36	30	20.86
64QAM	2577.5	37825	15	75	0	20.98
64QAM	2595	38000	15	1	0	21.97
64QAM	2595	38000	15	1	37	21.53
64QAM	2595	38000	15	1	74	21.41
64QAM	2595	38000	15	36	0	20.57
64QAM	2595	38000	15	36	29	20.67
64QAM	2595	38000	15	36	30	20.63
64QAM	2595	38000	15	75	0	20.56
64QAM	2612.5	38175	15	1	0	21.65
64QAM	2612.5	38175	15	1	37	21.88
64QAM	2612.5	38175	15	1	74	21.65
64QAM	2612.5	38175	15	36	0	20.66
64QAM	2612.5	38175	15	36	29	20.74
64QAM	2612.5	38175	15	36	30	20.87
64QAM	2612.5	38175	15	75	0	20.63



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	23.35
QPSK	2580	37850	20	1	49	23.05
QPSK	2580	37850	20	1	99	22.86
QPSK	2580	37850	20	50	0	22.01
QPSK	2580	37850	20	50	24	21.94
QPSK	2580	37850	20	50	50	21.79
QPSK	2580	37850	20	100	0	22.02
QPSK	2595	38000	20	1	0	23.02
QPSK	2595	38000	20	1	49	22.86
QPSK	2595	38000	20	1	99	22.69
QPSK	2595	38000	20	50	0	21.88
QPSK	2595	38000	20	50	24	21.66
QPSK	2595	38000	20	50	50	21.68
QPSK	2595	38000	20	100	0	21.55
QPSK	2610	38150	20	1	0	22.49
QPSK	2610	38150	20	1	49	22.95
QPSK	2610	38150	20	1	99	23.00
QPSK	2610	38150	20	50	0	21.57
QPSK	2610	38150	20	50	24	21.65
QPSK	2610	38150	20	50	50	21.80
QPSK	2610	38150	20	100	0	21.63



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	22.35
16QAM	2580	37850	20	1	49	22.20
16QAM	2580	37850	20	1	99	22.31
16QAM	2580	37850	20	50	0	21.06
16QAM	2580	37850	20	50	24	20.95
16QAM	2580	37850	20	50	50	20.74
16QAM	2580	37850	20	100	0	20.91
16QAM	2595	38000	20	1	0	21.85
16QAM	2595	38000	20	1	49	22.18
16QAM	2595	38000	20	1	99	21.95
16QAM	2595	38000	20	50	0	20.67
16QAM	2595	38000	20	50	24	20.70
16QAM	2595	38000	20	50	50	20.59
16QAM	2595	38000	20	100	0	20.65
16QAM	2610	38150	20	1	0	21.99
16QAM	2610	38150	20	1	49	22.16
16QAM	2610	38150	20	1	99	22.11
16QAM	2610	38150	20	50	0	20.72
16QAM	2610	38150	20	50	24	20.74
16QAM	2610	38150	20	50	50	20.81
16QAM	2610	38150	20	100	0	20.68
64QAM	2580	37850	20	1	0	22.04
64QAM	2580	37850	20	1	49	21.32
64QAM	2580	37850	20	1	99	21.58
64QAM	2580	37850	20	50	0	21.00
64QAM	2580	37850	20	50	24	21.05
64QAM	2580	37850	20	50	50	20.76
64QAM	2580	37850	20	100	0	20.92
64QAM	2595	38000	20	1	0	21.73
64QAM	2595	38000	20	1	49	21.79
64QAM	2595	38000	20	1	99	21.18
64QAM	2595	38000	20	50	0	20.70
64QAM	2595	38000	20	50	24	20.54
64QAM	2595	38000	20	50	50	20.62
64QAM	2595	38000	20	100	0	20.55
64QAM	2610	38150	20	1	0	21.56
64QAM	2610	38150	20	1	49	22.37
64QAM	2610	38150	20	1	99	22.19
64QAM	2610	38150	20	50	0	20.70
64QAM	2610	38150	20	50	24	20.69
64QAM	2610	38150	20	50	50	20.71
64QAM	2610	38150	20	100	0	20.54



2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.489	Fig.1
38	QPSK	2595	38000	5	25	0	4.492	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.450	Fig.3
38	QPSK	2575	37800	10	50	0	8.873	Fig.4
38	QPSK	2595	38000	10	50	0	8.895	Fig.5
38	QPSK	2615	38200	10	50	0	8.902	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.397	Fig.7
38	QPSK	2595	38000	15	75	0	13.264	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.353	Fig.9
38	QPSK	2580	37850	20	100	0	17.828	Fig.10
38	QPSK	2595	38000	20	100	0	17.913	Fig.11
38	QPSK	2610	38150	20	100	0	17.830	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.458	Fig.13
38	16QAM	2595	38000	5	25	0	4.407	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.462	Fig.15
38	16QAM	2575	37800	10	50	0	8.916	Fig.16
38	16QAM	2595	38000	10	50	0	8.955	Fig.17
38	16QAM	2615	38200	10	50	0	8.850	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.356	Fig.19
38	16QAM	2595	38000	15	75	0	13.383	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.458	Fig.21
38	16QAM	2580	37850	20	100	0	17.781	Fig.22
38	16QAM	2595	38000	20	100	0	17.814	Fig.23
38	16QAM	2610	38150	20	100	0	17.746	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	64QAM	2572.5	37775	5	25	0	4.453	Fig.25
38	64QAM	2595	38000	5	25	0	4.478	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.480	Fig.27
38	64QAM	2575	37800	10	50	0	8.819	Fig.28
38	64QAM	2595	38000	10	50	0	8.911	Fig.29
38	64QAM	2615	38200	10	50	0	8.834	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.410	Fig.31
38	64QAM	2595	38000	15	75	0	13.346	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.376	Fig.33
38	64QAM	2580	37850	20	100	0	17.835	Fig.34
38	64QAM	2595	38000	20	100	0	17.751	Fig.35
38	64QAM	2610	38150	20	100	0	17.928	Fig.36

Test Mode: QPSK

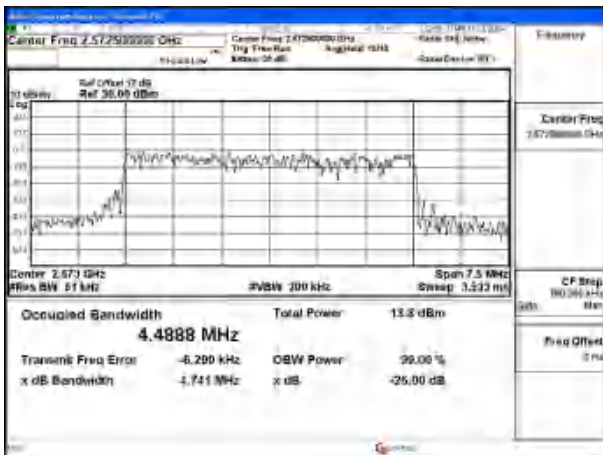


Fig.1



Fig.2



Fig.3



Fig.4

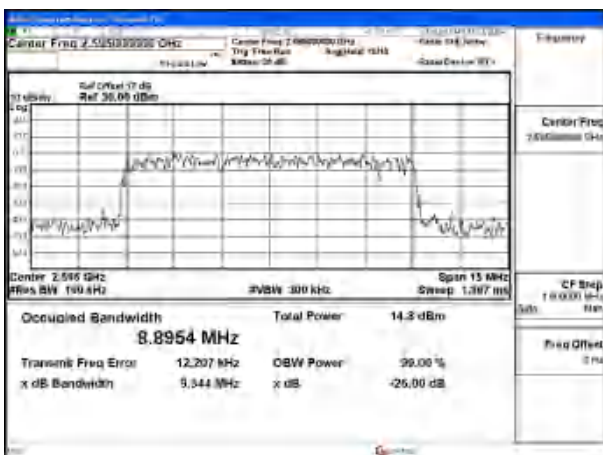


Fig.5



Fig.6



Fig.7

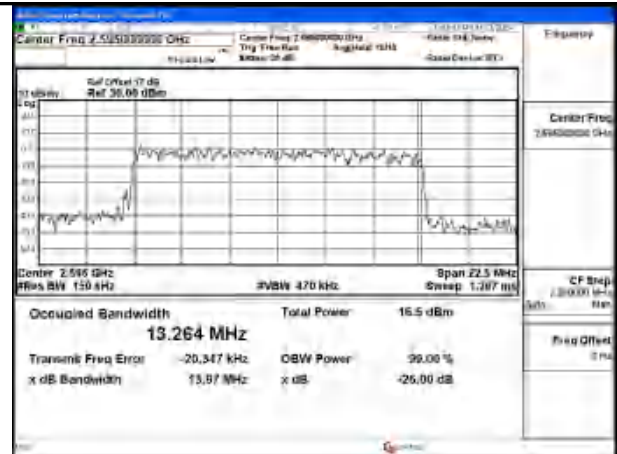


Fig.8



Fig.9

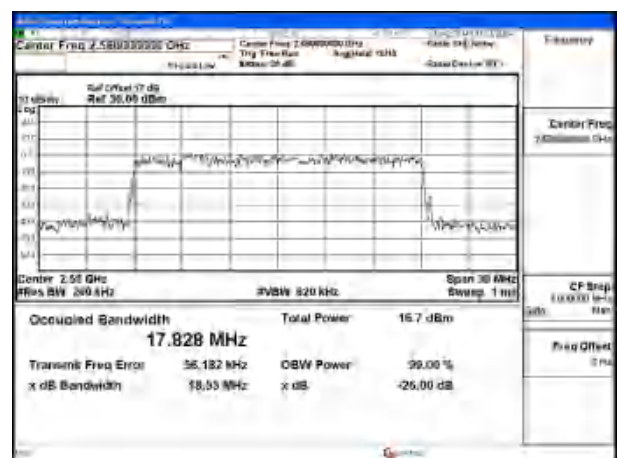


Fig.10



Fig.11

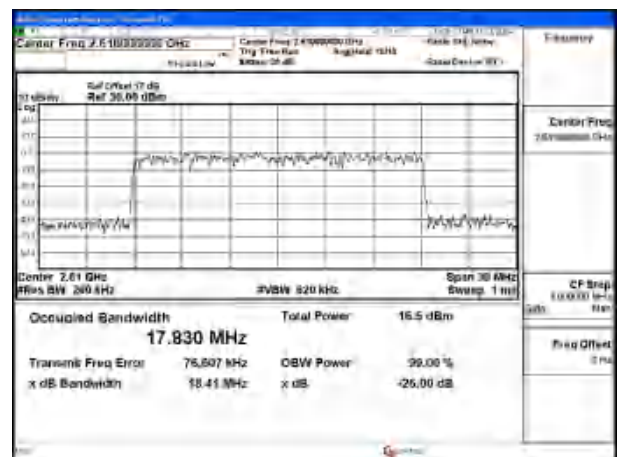


Fig.12

Test Mode: 16QAM

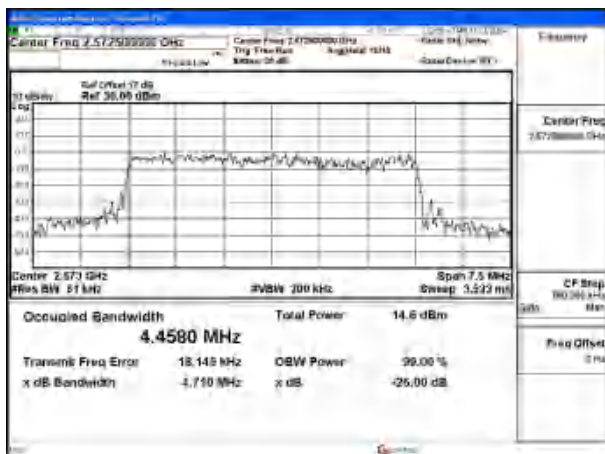


Fig.13

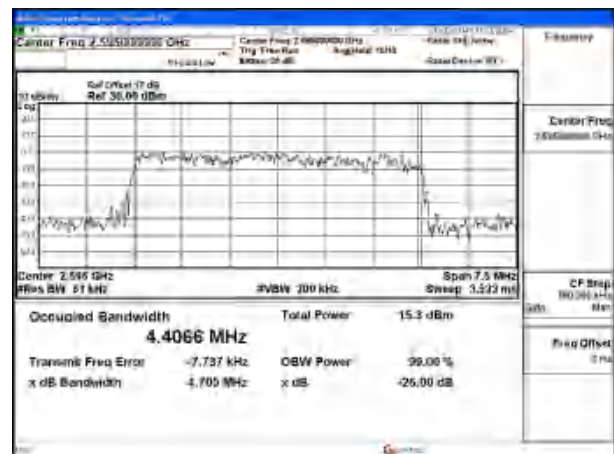


Fig.14



Fig.15



Fig.16

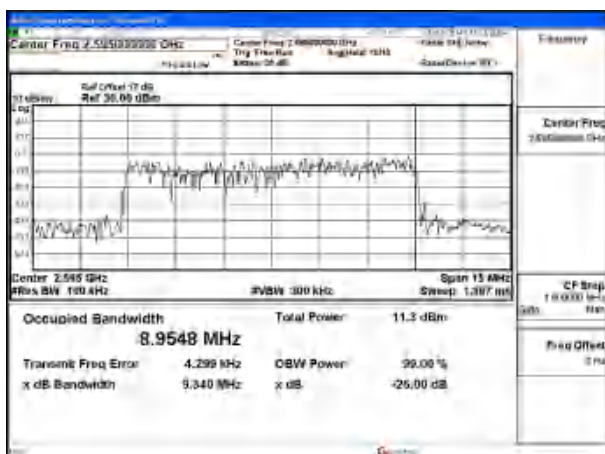


Fig.17

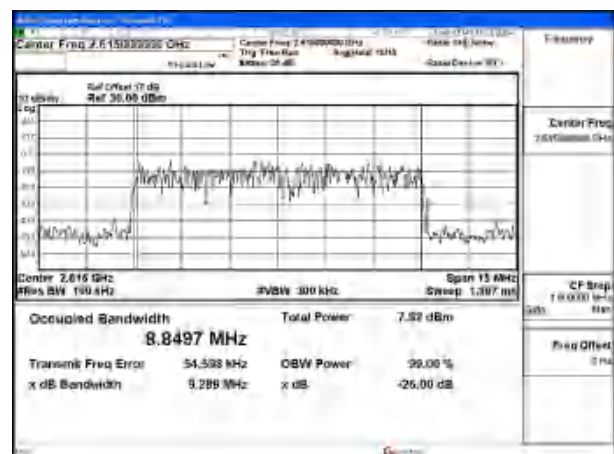


Fig.18



Fig.19



Fig.20



Fig.21

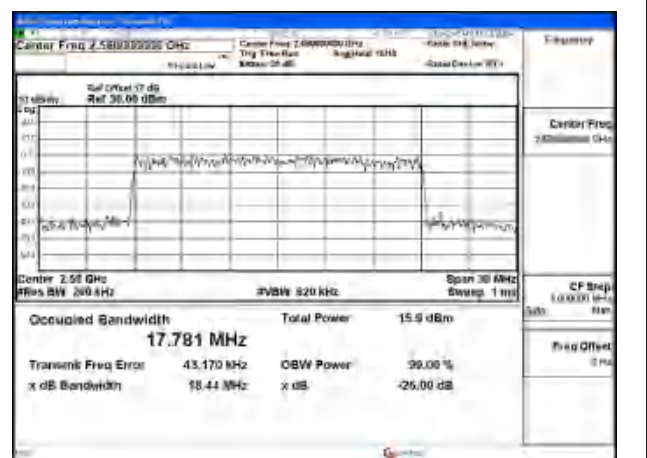


Fig.22



Fig.23



Fig.24

Test Mode: 64QAM



Fig.25

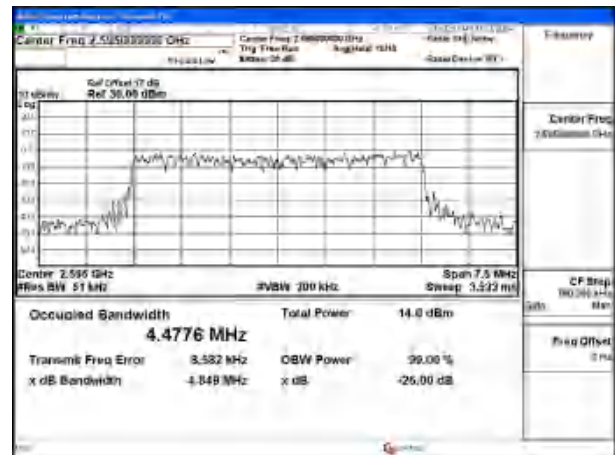


Fig.26



Fig.27

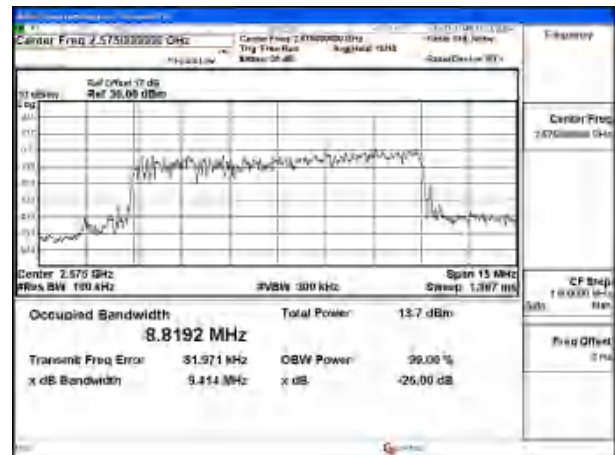


Fig.28

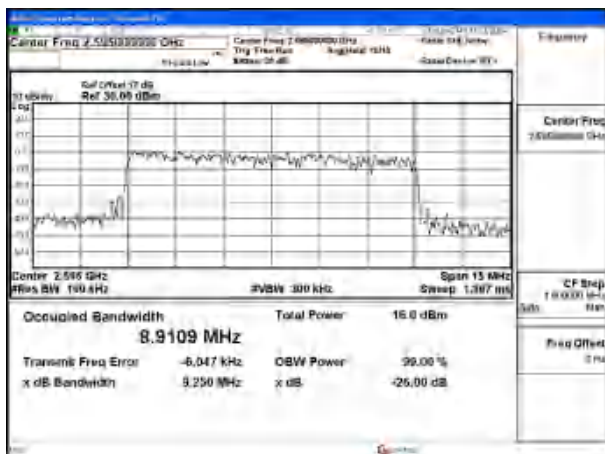


Fig.29

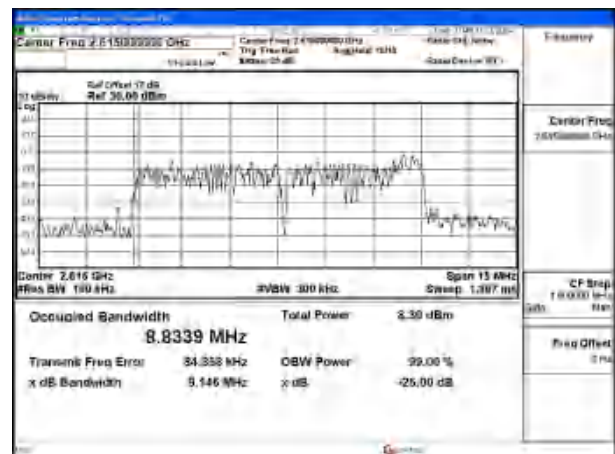


Fig.30



Fig.31

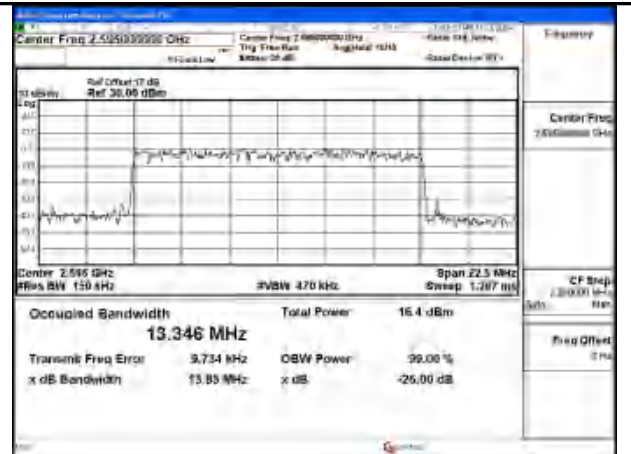


Fig.32



Fig.33



Fig.34



Fig.35

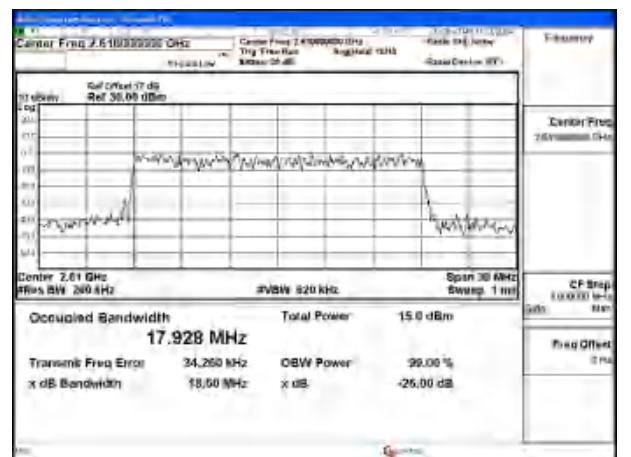


Fig.36



3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.741	Fig.1
38	QPSK	2595	38000	5	25	0	4.775	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.769	Fig.3
38	QPSK	2575	37800	10	50	0	9.281	Fig.4
38	QPSK	2595	38000	10	50	0	9.344	Fig.5
38	QPSK	2615	38200	10	50	0	9.215	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.919	Fig.7
38	QPSK	2595	38000	15	75	0	13.973	Fig.8
38	QPSK	2612.5	38175	15	75	0	14.018	Fig.9
38	QPSK	2580	37850	20	100	0	18.529	Fig.10
38	QPSK	2595	38000	20	100	0	18.494	Fig.11
38	QPSK	2610	38150	20	100	0	18.413	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.710	Fig.13
38	16QAM	2595	38000	5	25	0	4.705	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.732	Fig.15
38	16QAM	2575	37800	10	50	0	9.189	Fig.16
38	16QAM	2595	38000	10	50	0	9.340	Fig.17
38	16QAM	2615	38200	10	50	0	9.289	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.892	Fig.19
38	16QAM	2595	38000	15	75	0	13.829	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.842	Fig.21
38	16QAM	2580	37850	20	100	0	18.438	Fig.22
38	16QAM	2595	38000	20	100	0	18.447	Fig.23
38	16QAM	2610	38150	20	100	0	18.433	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	64QAM	2572.5	37775	5	25	0	4.729	Fig.25
38	64QAM	2595	38000	5	25	0	4.849	Fig.26
38	64QAM	2617.5	38225	5	25	0	4.777	Fig.27
38	64QAM	2575	37800	10	50	0	9.414	Fig.28
38	64QAM	2595	38000	10	50	0	9.250	Fig.29
38	64QAM	2615	38200	10	50	0	9.146	Fig.30
38	64QAM	2577.5	37825	15	75	0	13.823	Fig.31
38	64QAM	2595	38000	15	75	0	13.828	Fig.32
38	64QAM	2612.5	38175	15	75	0	13.825	Fig.33
38	64QAM	2580	37850	20	100	0	18.472	Fig.34
38	64QAM	2595	38000	20	100	0	18.525	Fig.35
38	64QAM	2610	38150	20	100	0	18.601	Fig.36

Test Mode: QPSK



Fig.1



Fig.2



Fig.3



Fig.4

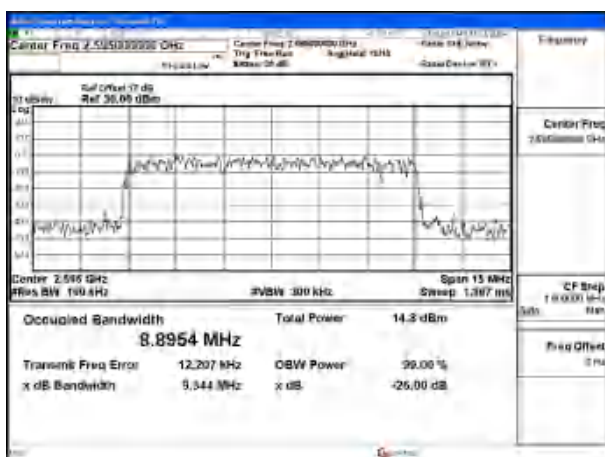


Fig.5



Fig.6



Fig.7



Fig.8



Fig.9

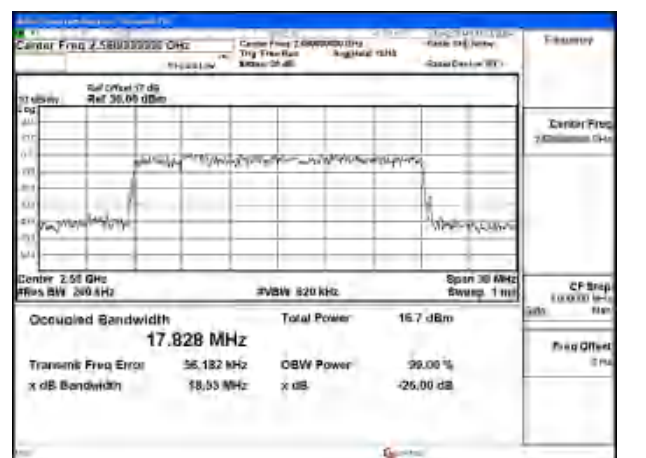


Fig.10



Fig.11

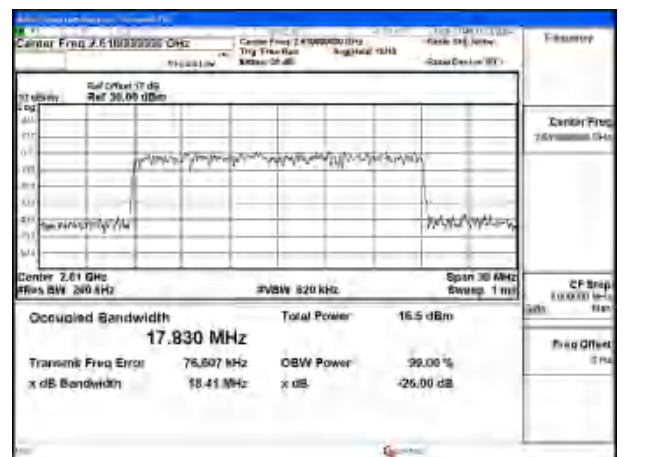


Fig.12

Test Mode: 16QAM



Fig.13



Fig.14



Fig.15



Fig.16

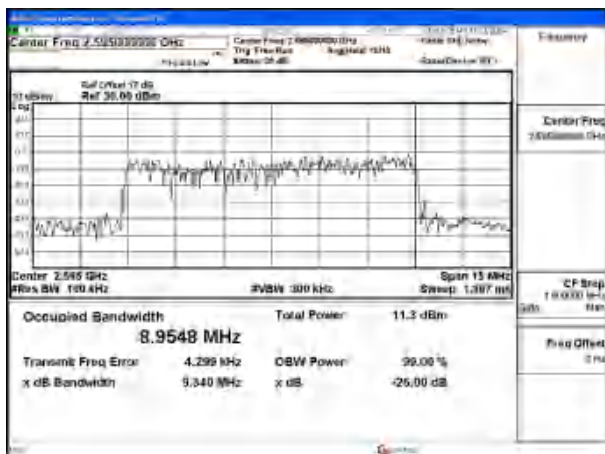


Fig.17

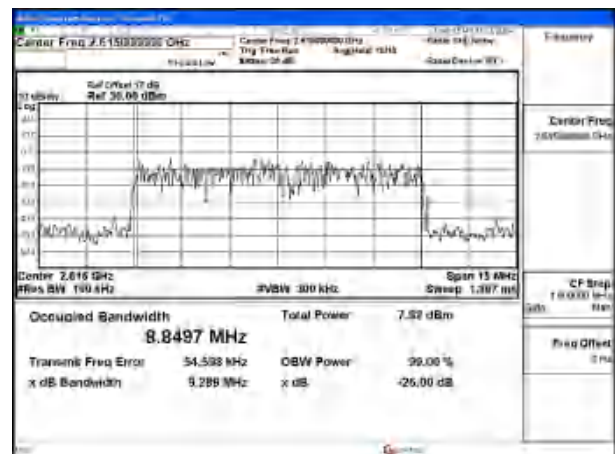


Fig.18



Fig.19



Fig.20



Fig.21

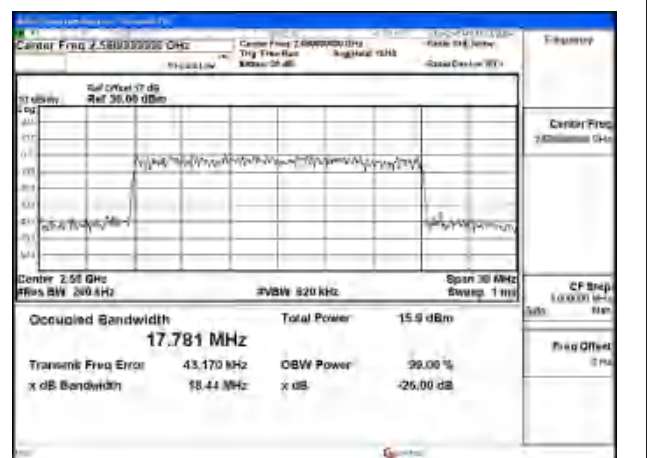


Fig.22



Fig.23



Fig.24

Test Mode: 64QAM



Fig.25

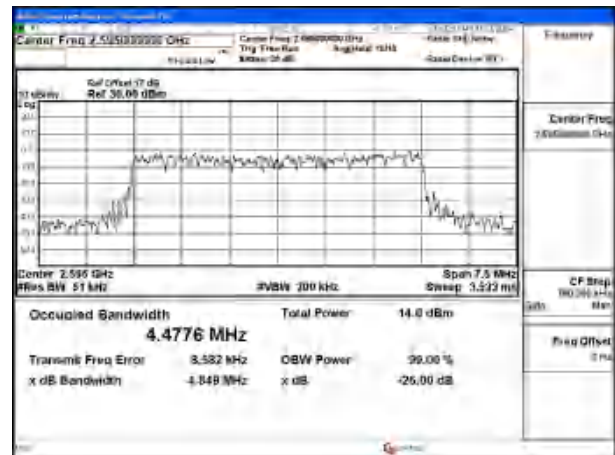


Fig.26



Fig.27

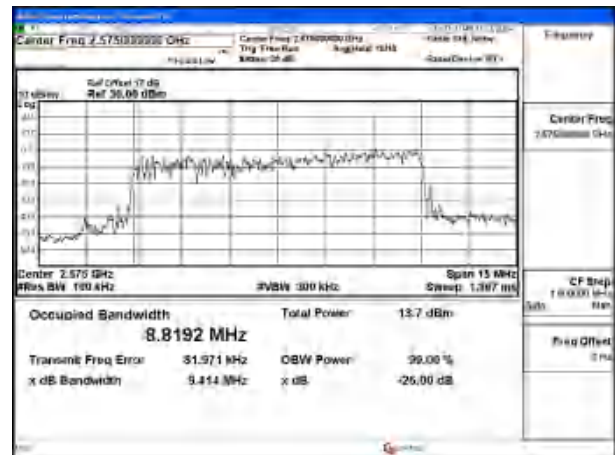


Fig.28

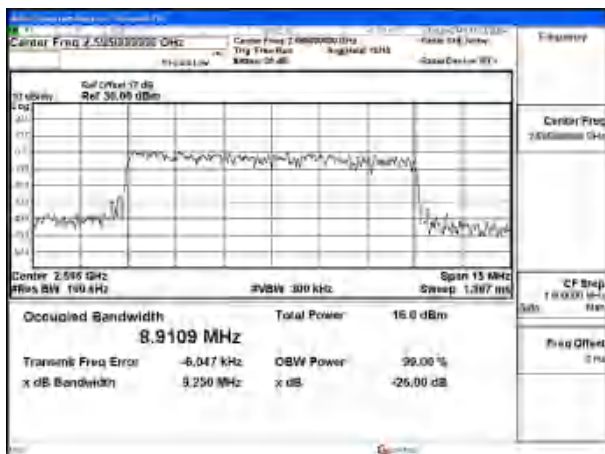


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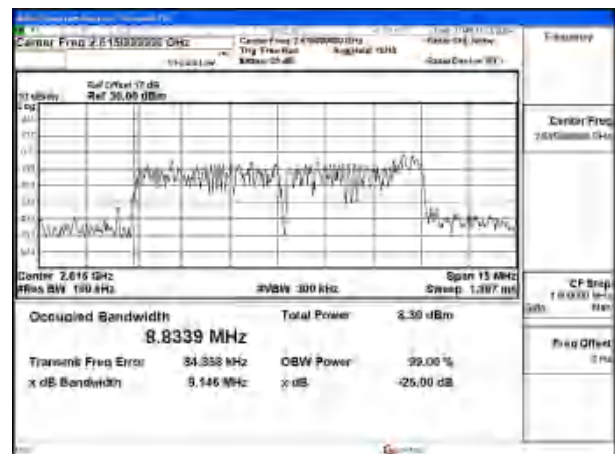


Fig.30



Fig.31

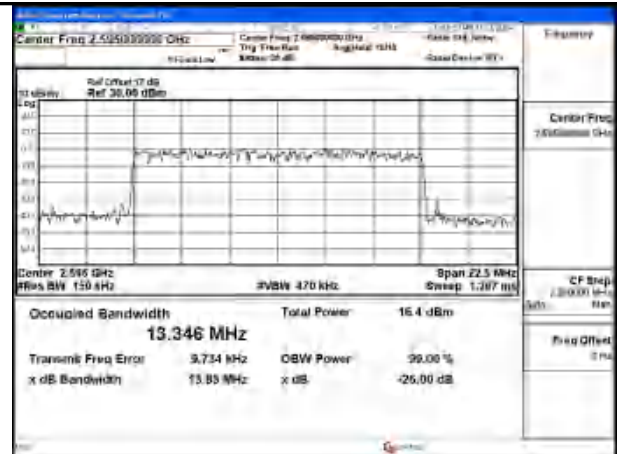


Fig.32



Fig.33

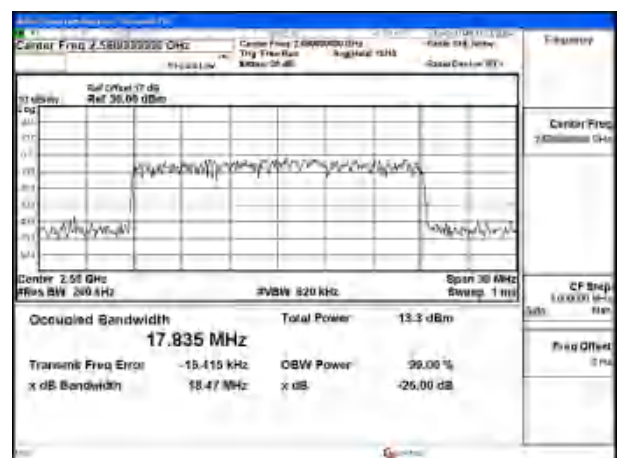


Fig.34



Fig.35

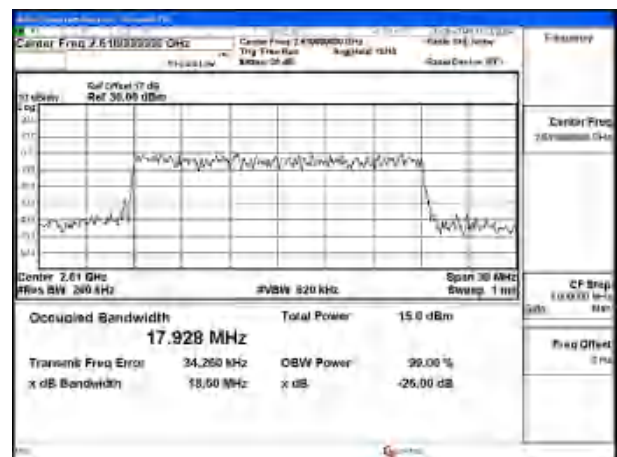


Fig.36



4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2	Fig.3
38	2572.5	37775	5	25	0	Fig.4	Fig.5	Fig.6
38	2595	38000	5	1	24	Fig.7	Fig.8	Fig.9
38	2595	38000	5	25	0	Fig.10	Fig.11	Fig.12
38	2617.5	38225	5	1	24	Fig.13	Fig.14	Fig.15
38	2617.5	38225	5	25	0	Fig.16	Fig.17	Fig.18
38	2575	37800	10	1	49	Fig.19	Fig.20	Fig.21
38	2575	37800	10	50	0	Fig.22	Fig.23	Fig.24
38	2595	38000	10	1	49	Fig.25	Fig.26	Fig.27
38	2595	38000	10	50	0	Fig.28	Fig.29	Fig.30
38	2615	38200	10	1	49	Fig.31	Fig.32	Fig.33
38	2615	38200	10	50	0	Fig.34	Fig.35	Fig.36
38	2577.5	37825	15	1	74	Fig.37	Fig.38	Fig.39
38	2577.5	37825	15	75	0	Fig.40	Fig.41	Fig.42
38	2595	38000	15	1	74	Fig.43	Fig.44	Fig.45
38	2595	38000	15	75	0	Fig.46	Fig.47	Fig.48
38	2612.5	38175	15	1	74	Fig.49	Fig.50	Fig.51
38	2612.5	38175	15	75	0	Fig.52	Fig.53	Fig.54
38	2580	37850	20	1	99	Fig.55	Fig.56	Fig.57
38	2580	37850	20	100	0	Fig.58	Fig.59	Fig.60
38	2595	38000	20	1	99	Fig.61	Fig.62	Fig.63
38	2595	38000	20	100	0	Fig.64	Fig.65	Fig.66
38	2610	38150	20	1	99	Fig.67	Fig.68	Fig.69
38	2610	38150	20	100	0	Fig.70	Fig.71	Fig.72

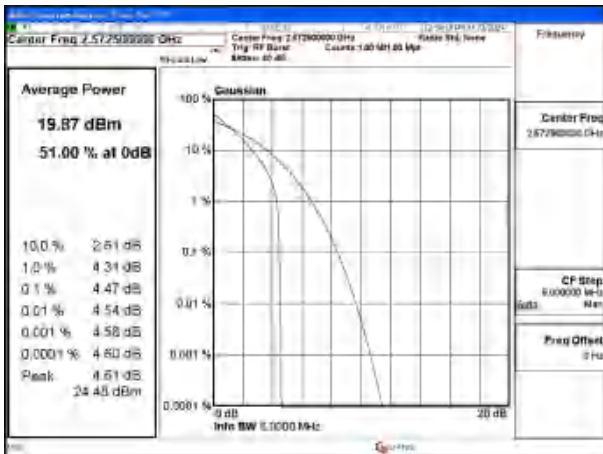


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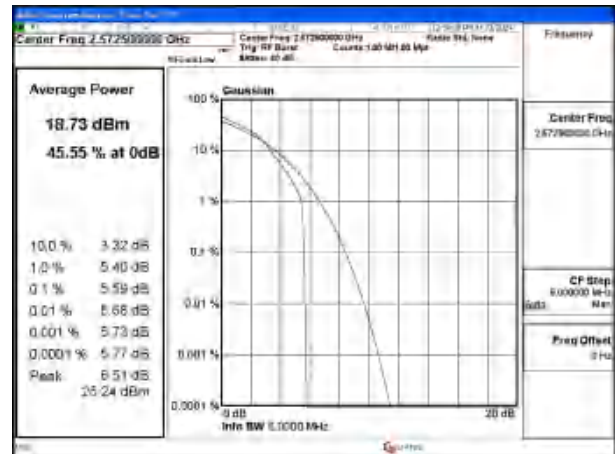


Fig.2

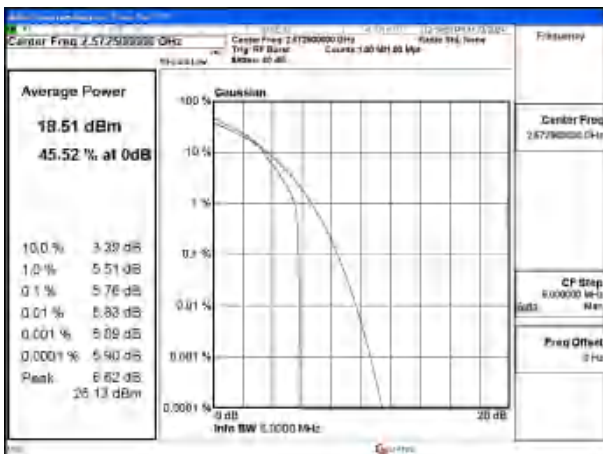


Fig.3

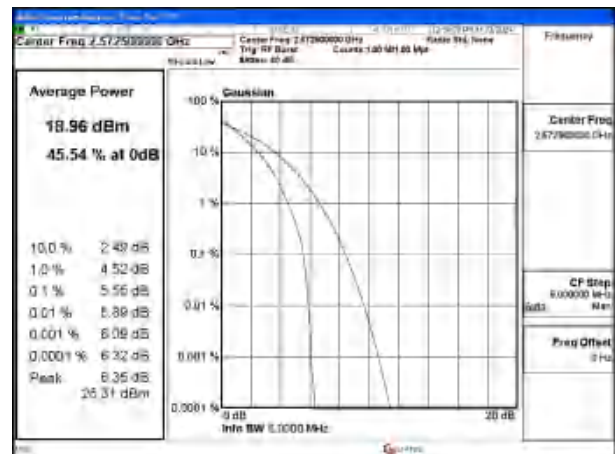


Fig.4

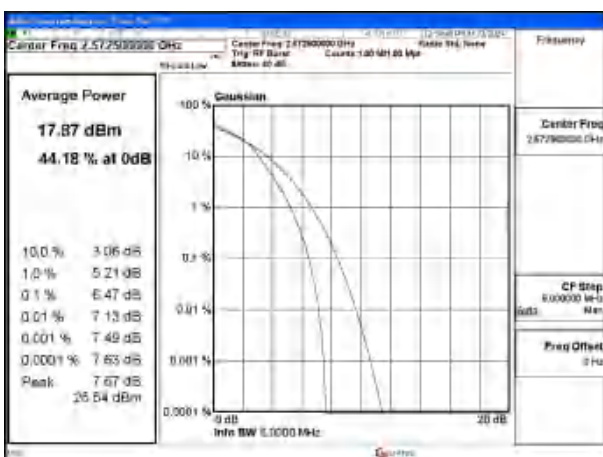


Fig.5

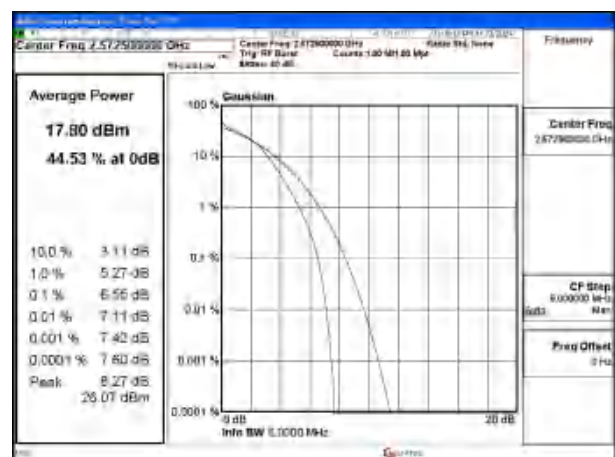


Fig.6

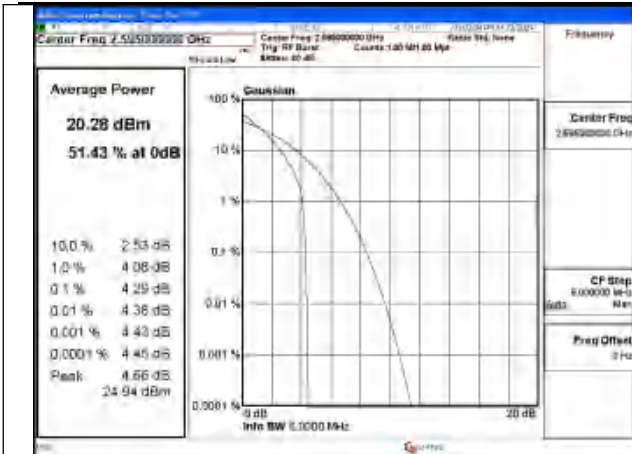


Fig.7

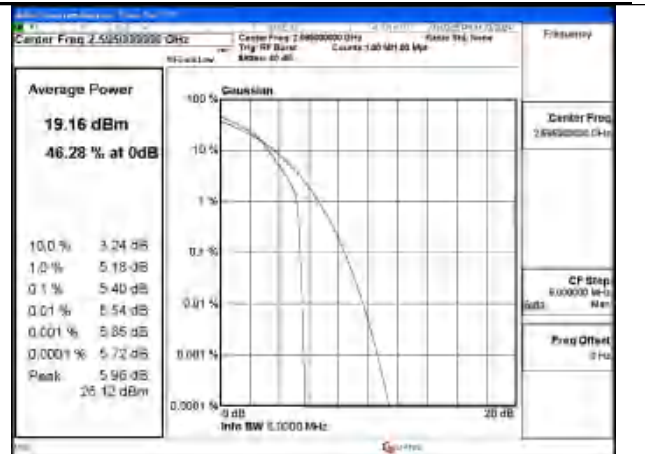


Fig.8

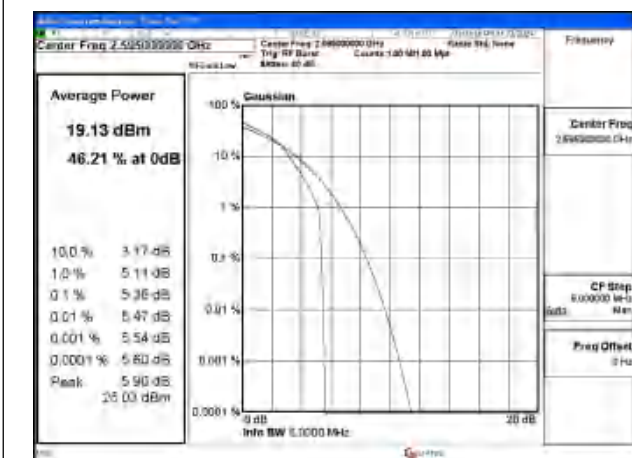


Fig.9

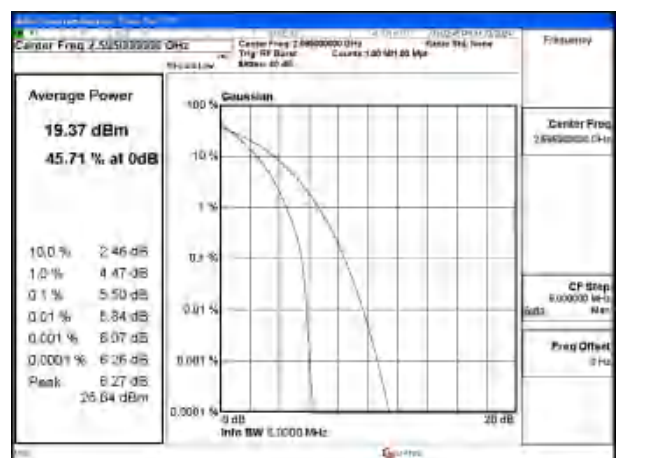


Fig.10

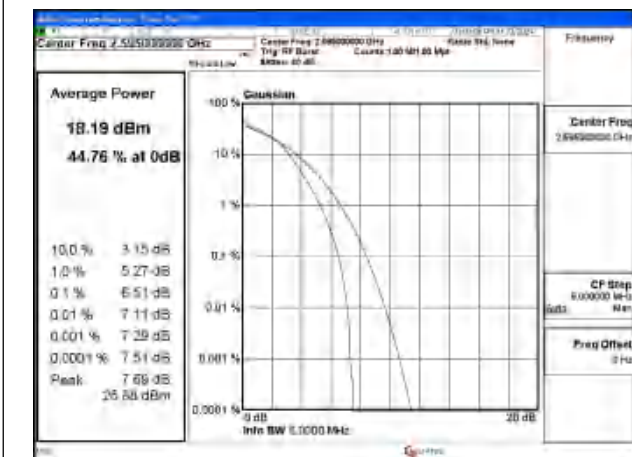


Fig.11

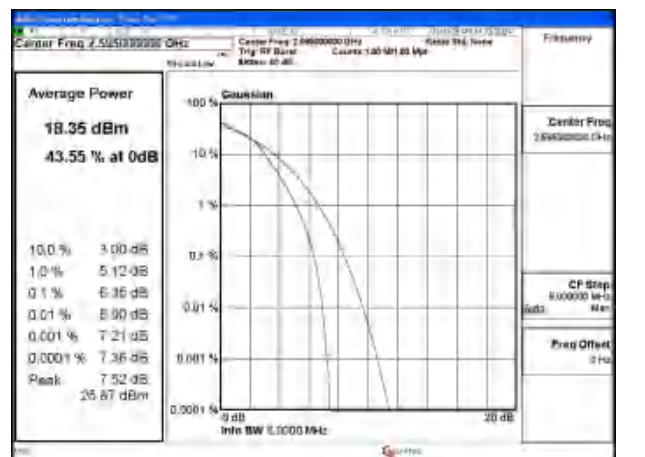
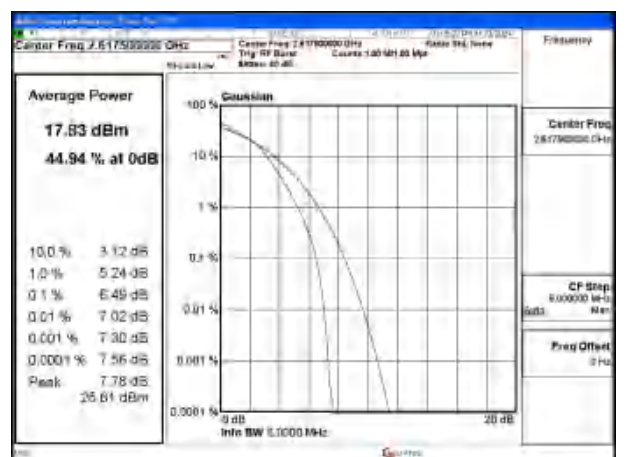
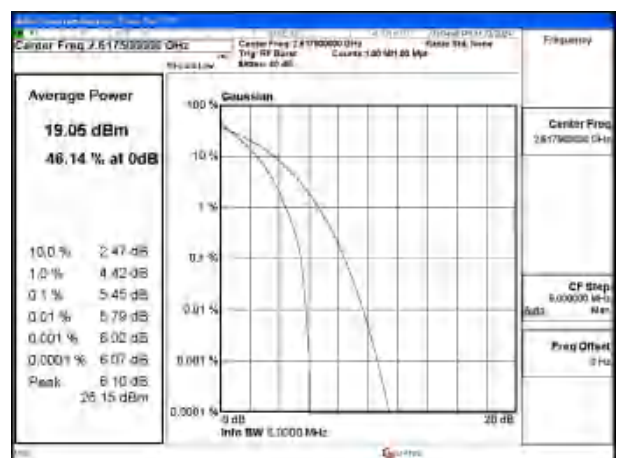
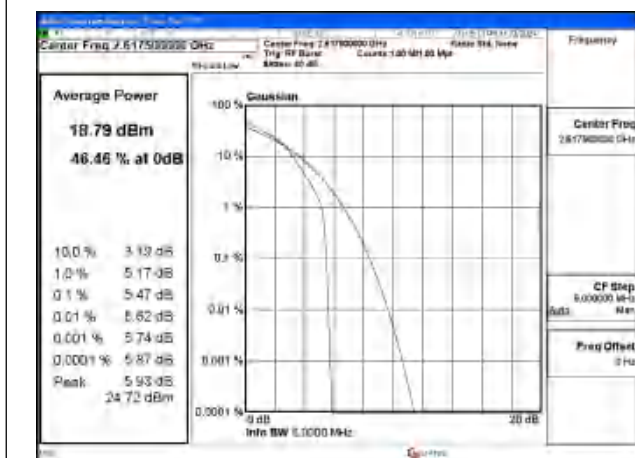
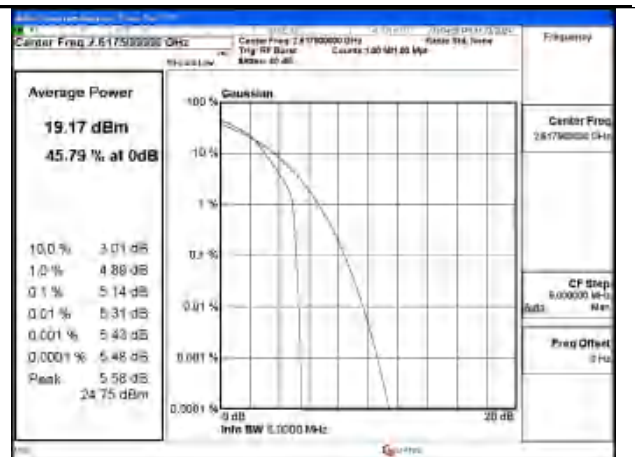
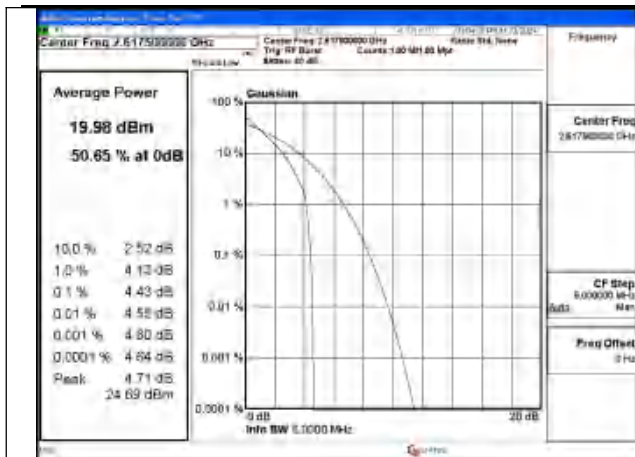


Fig.12



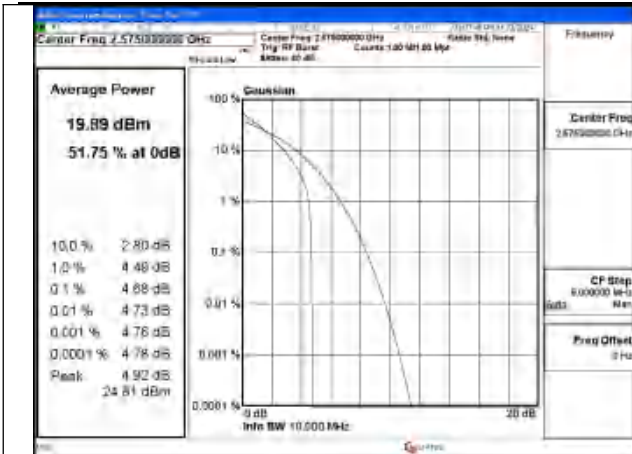


Fig.19

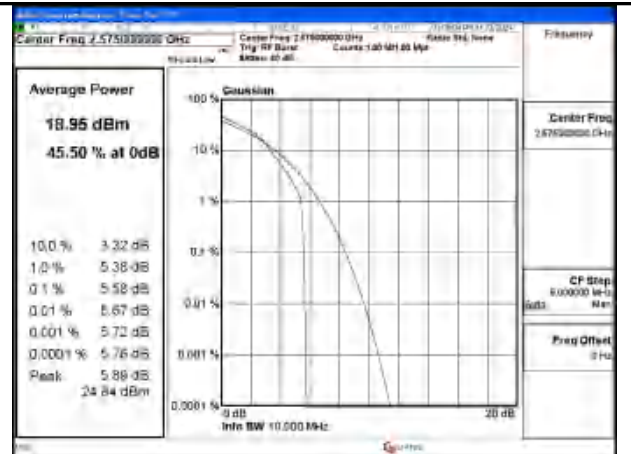


Fig.20

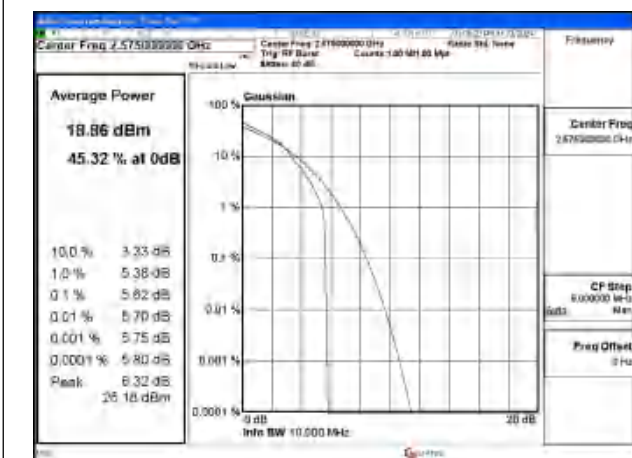


Fig.21

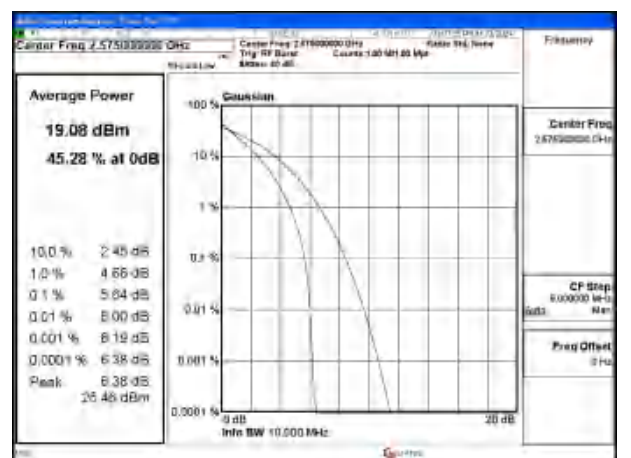


Fig.22

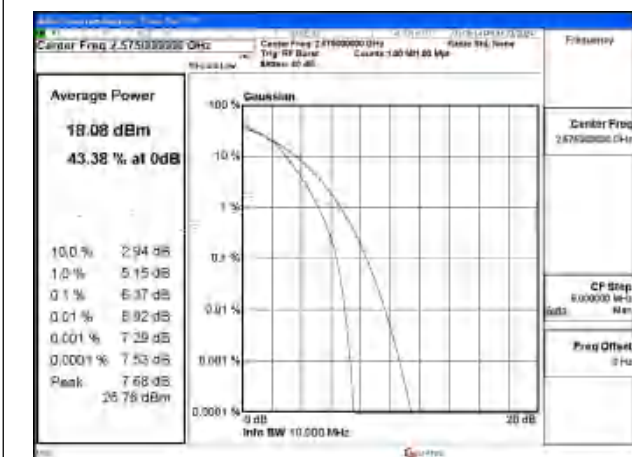


Fig.23

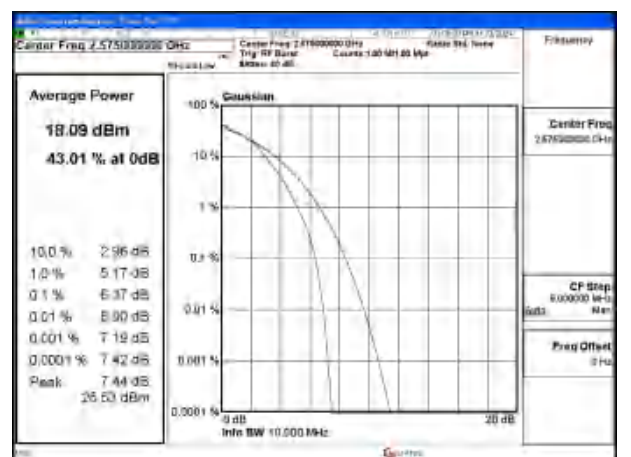


Fig.24

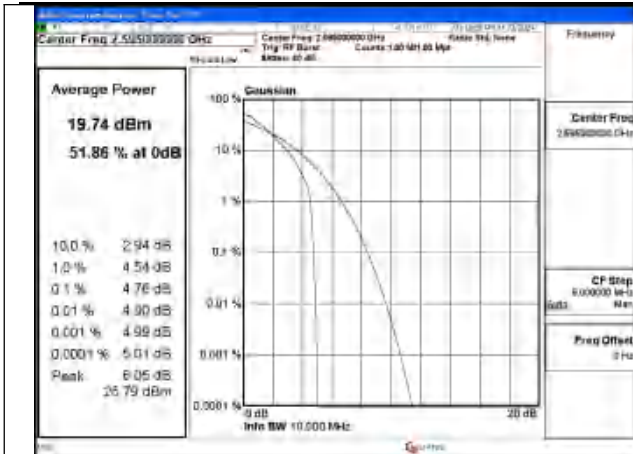


Fig.25

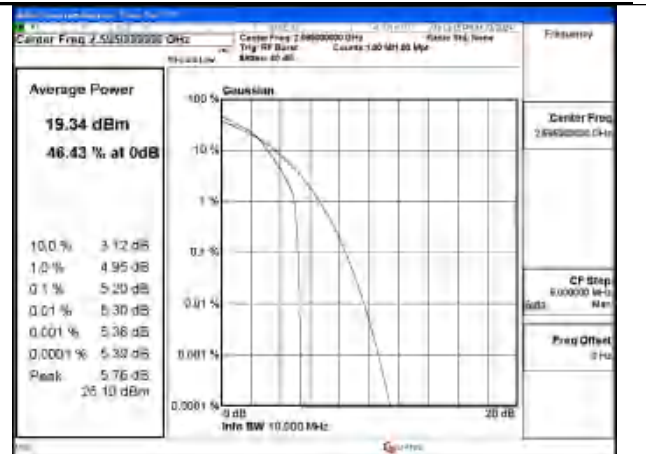


Fig.26

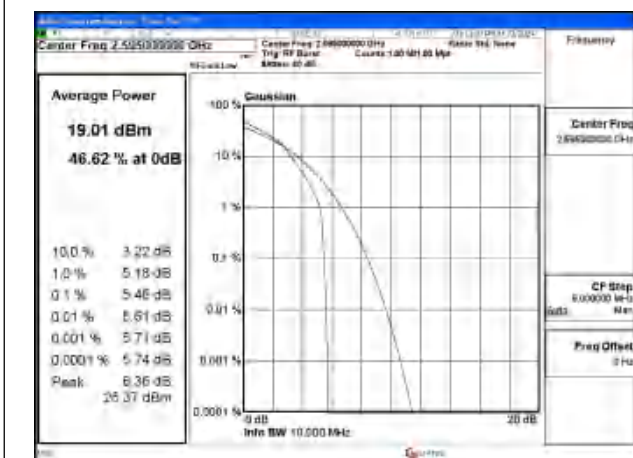


Fig.27

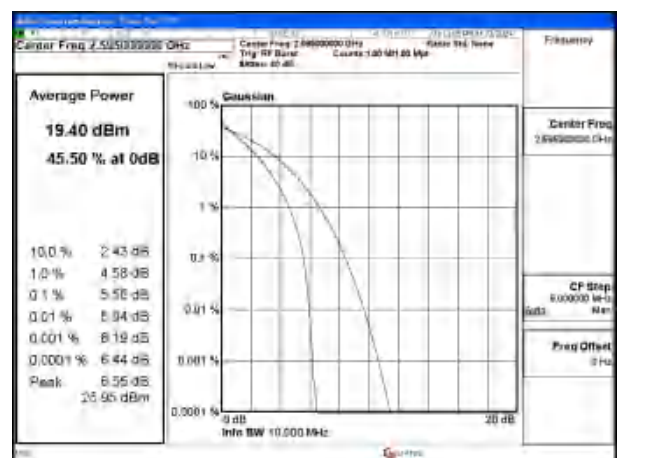


Fig.28

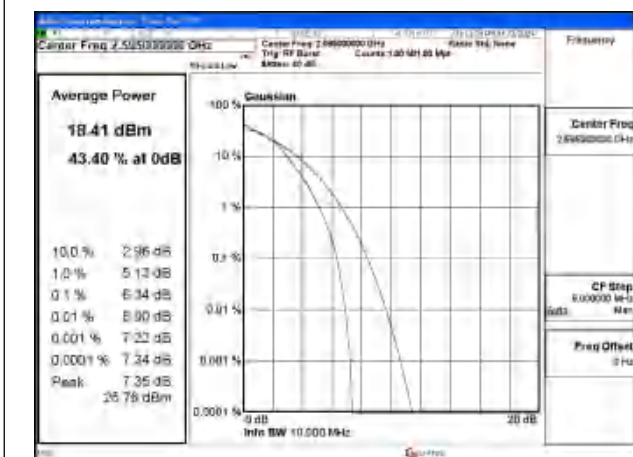


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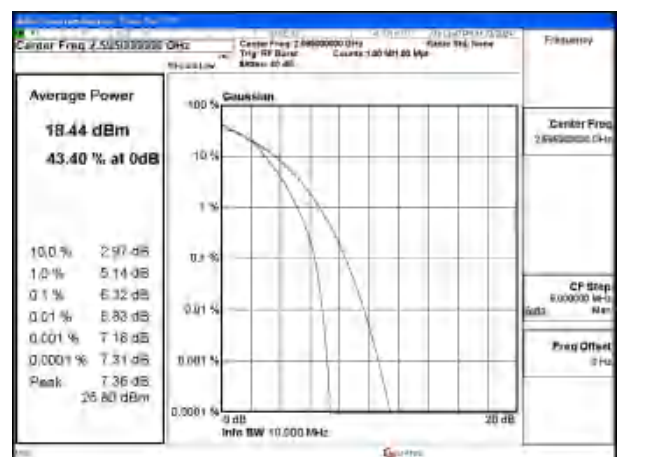


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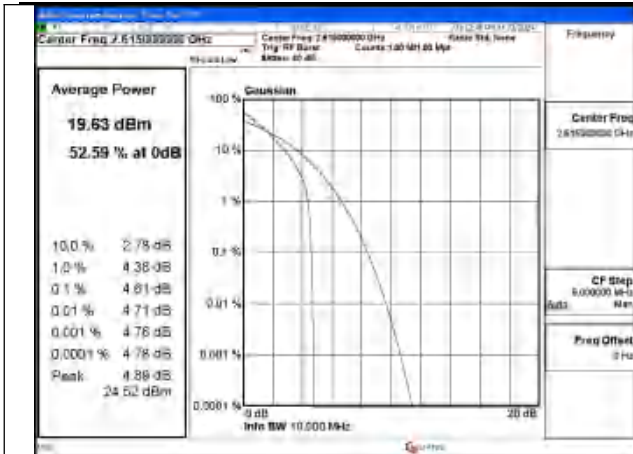


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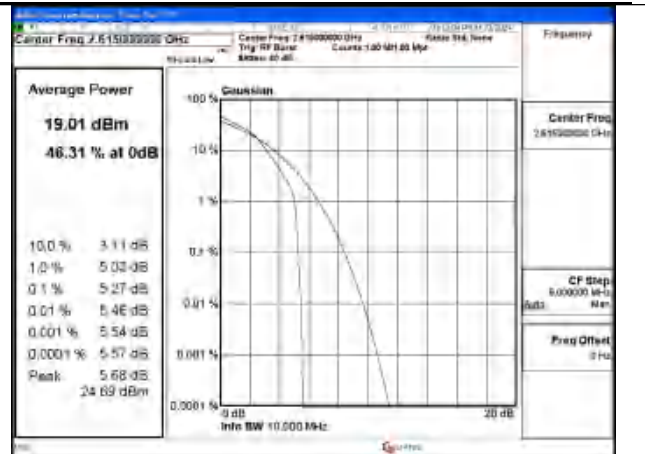


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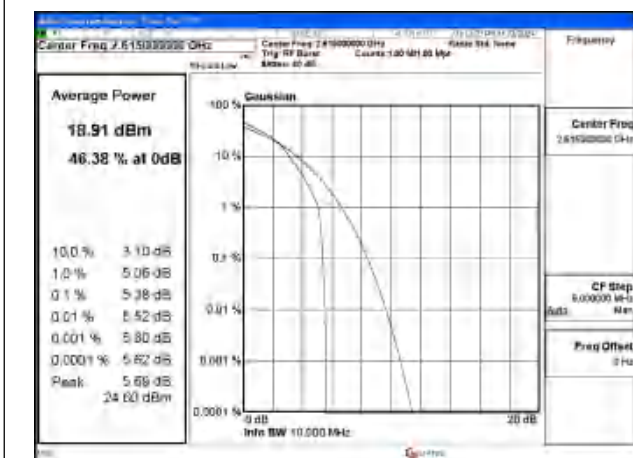


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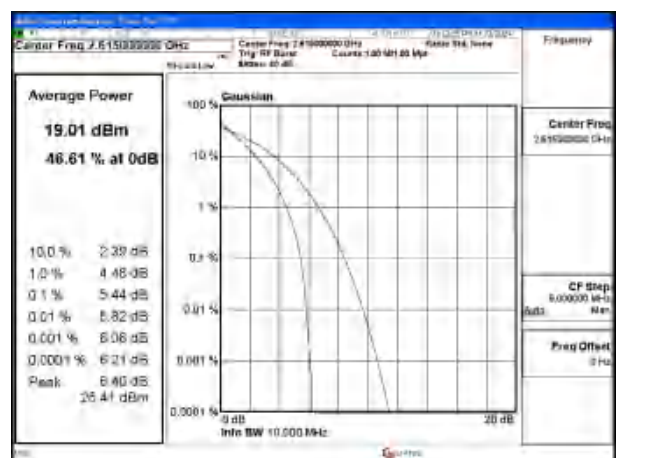


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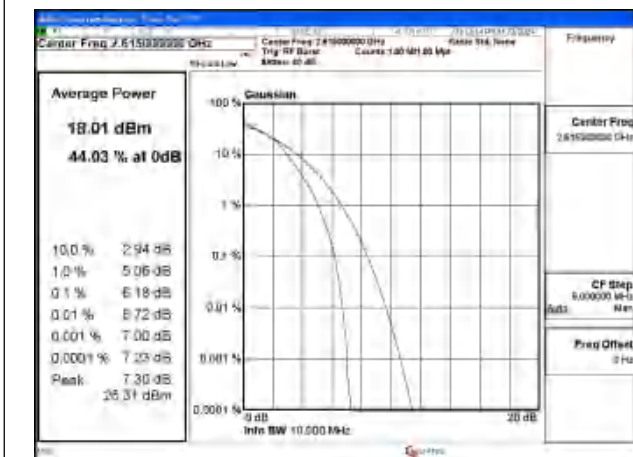


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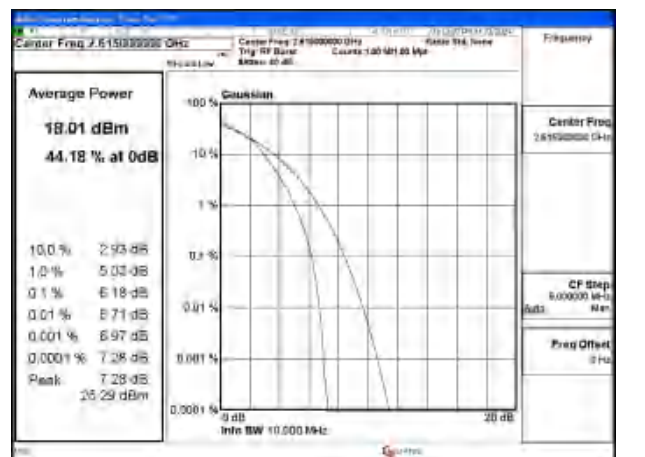


Fig.36



Fig.37

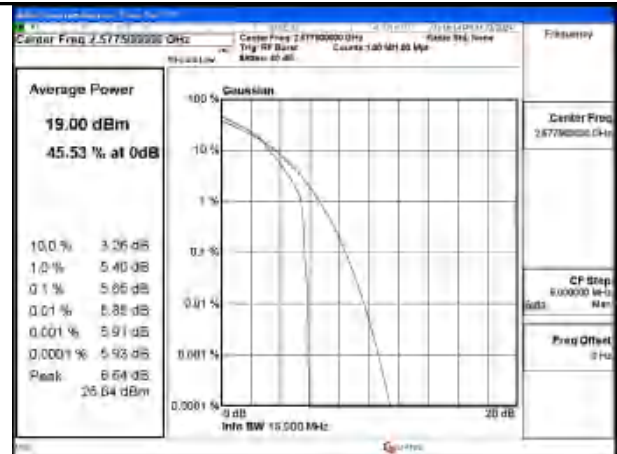


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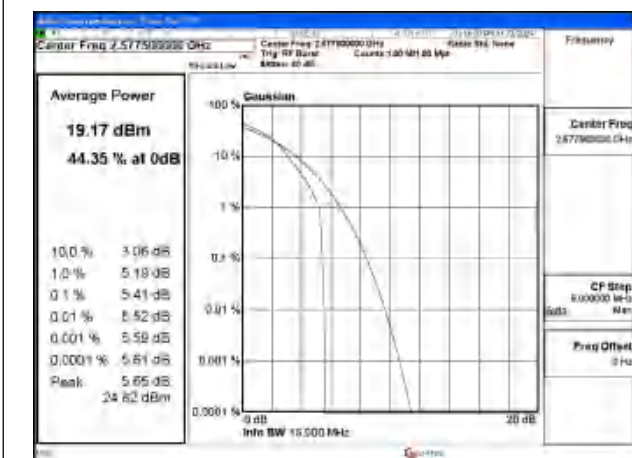


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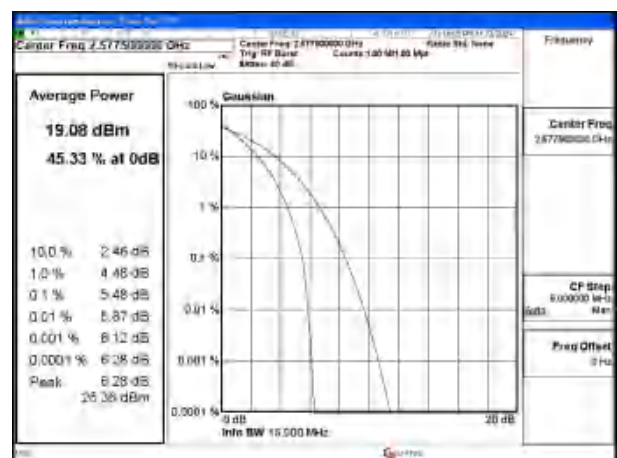


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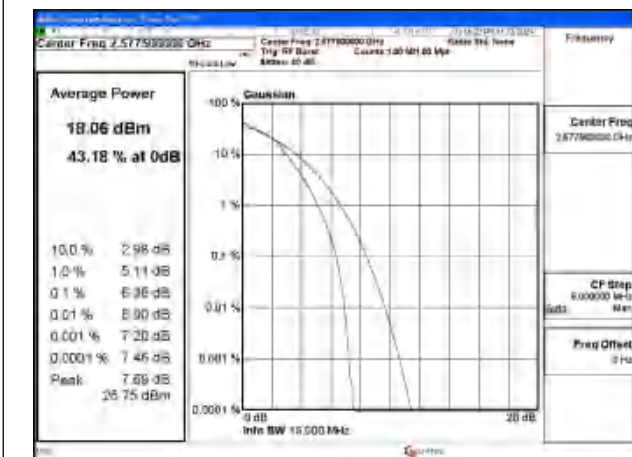


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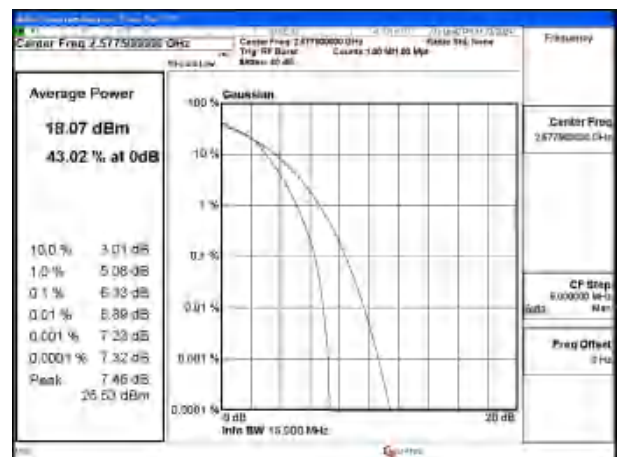


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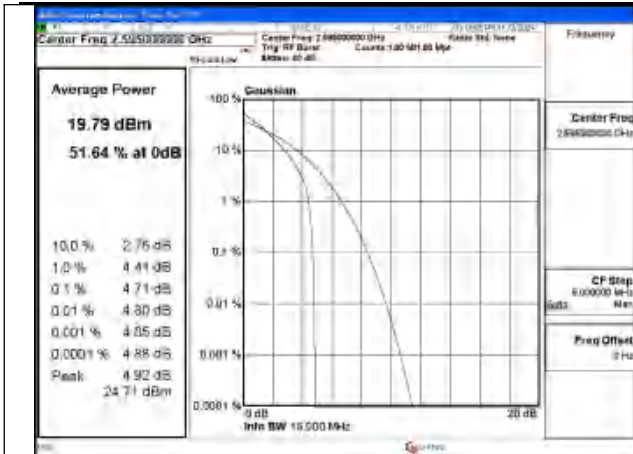


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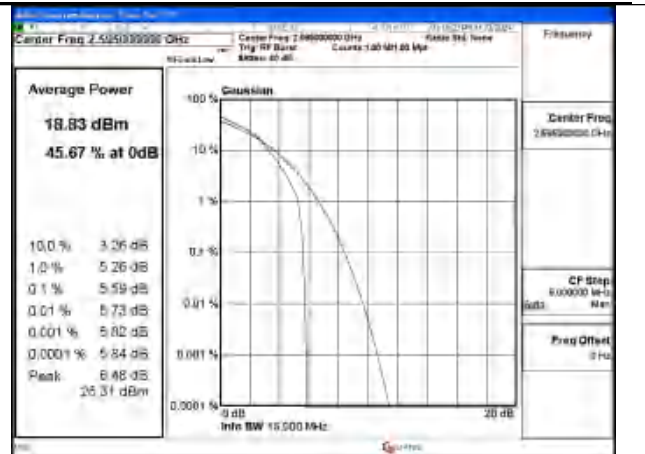


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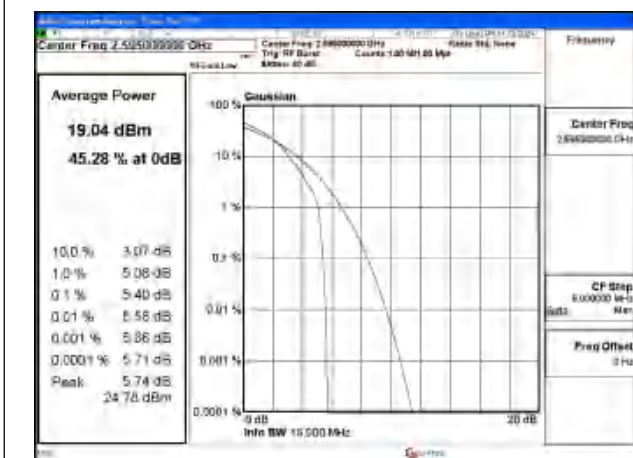


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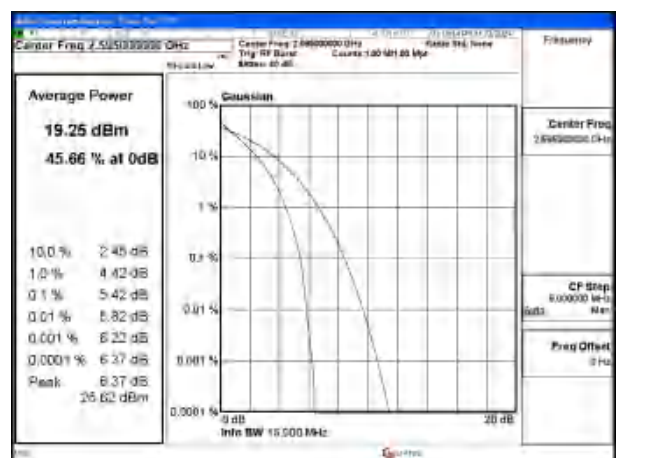


Fig.46



Fig.47

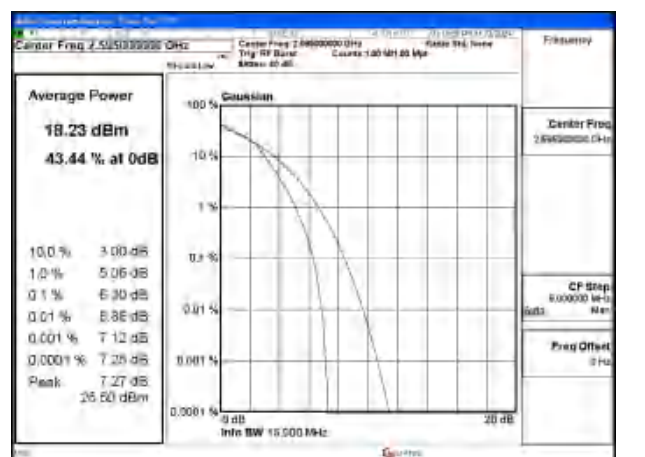


Fig.48

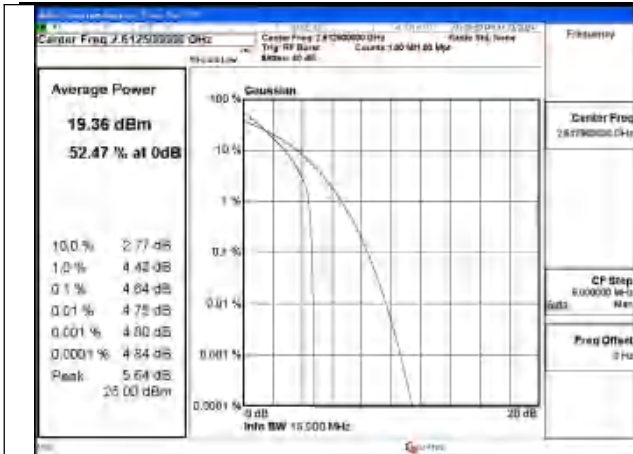


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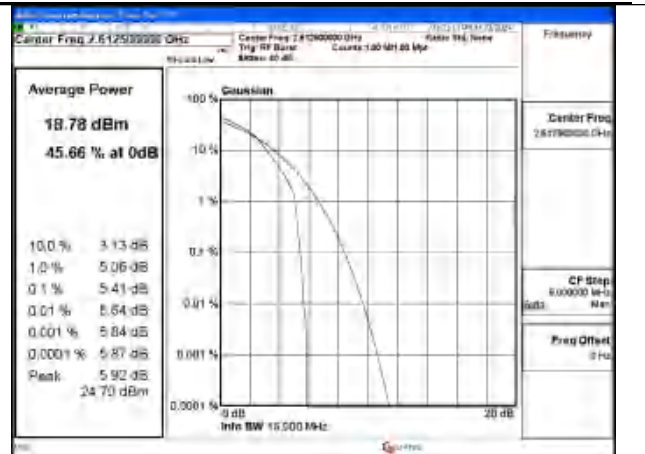


Fig.50

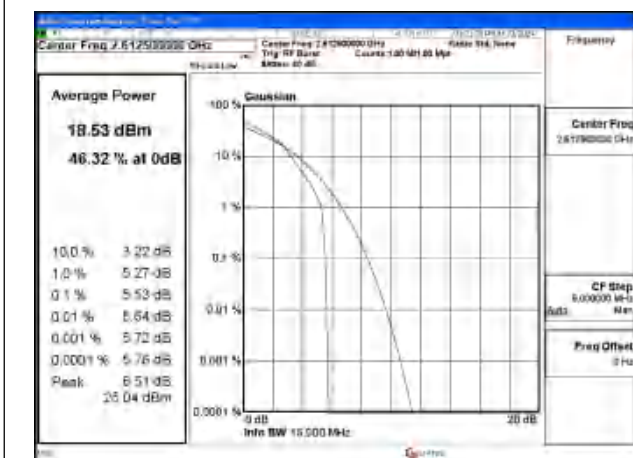


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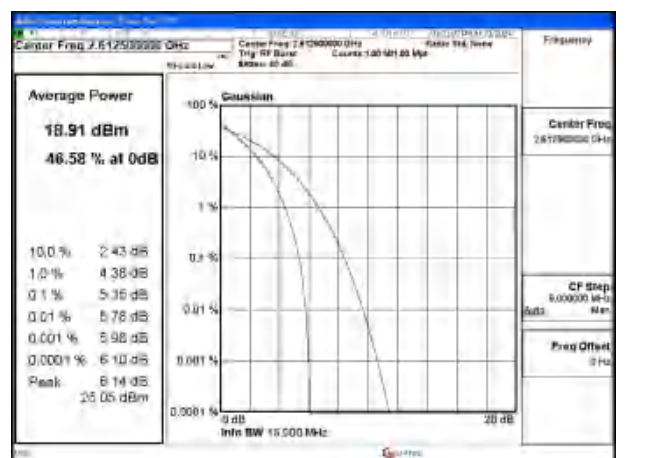


Fig.52



Fig.53

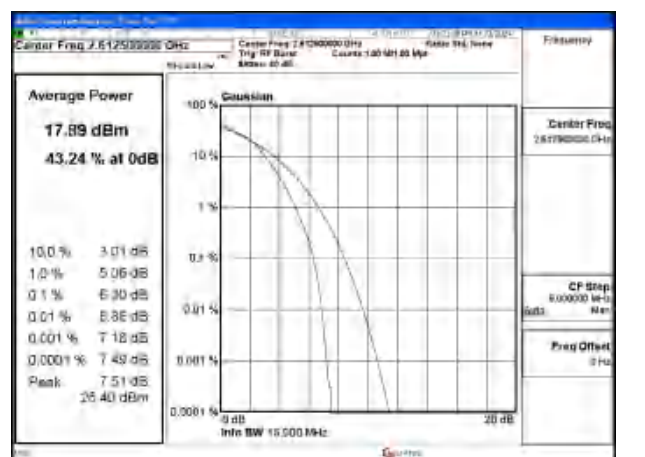


Fig.54

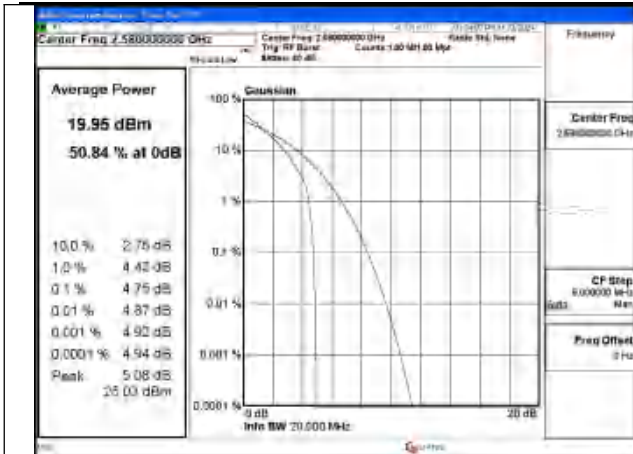


Fig.55

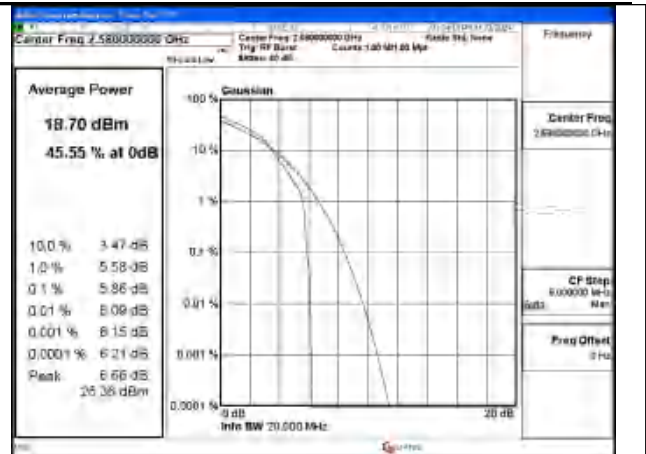


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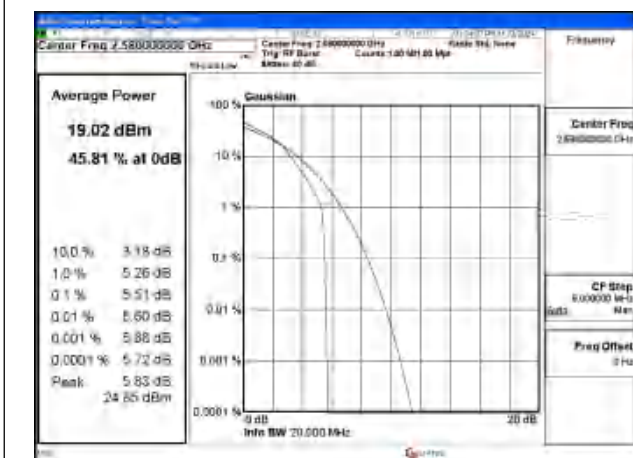


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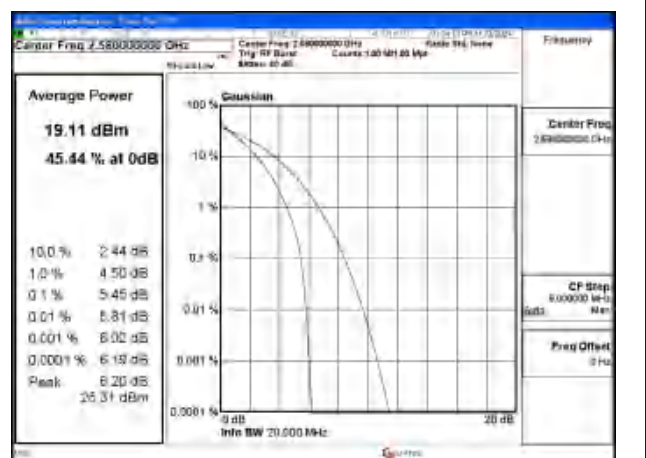


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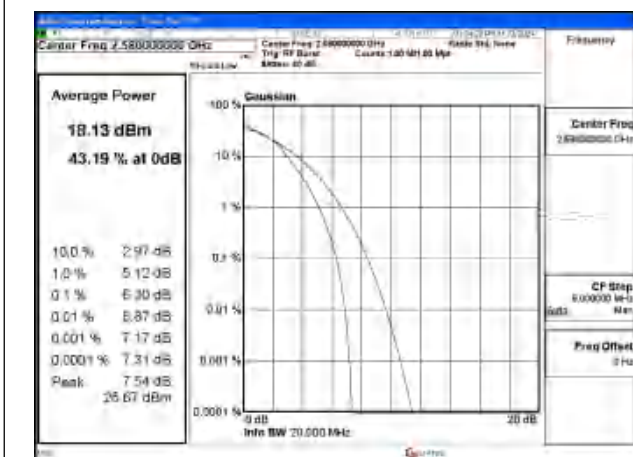


Fig.59

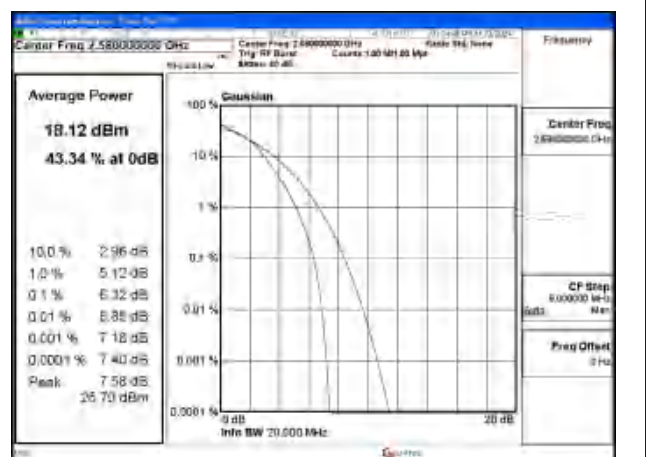


Fig.60

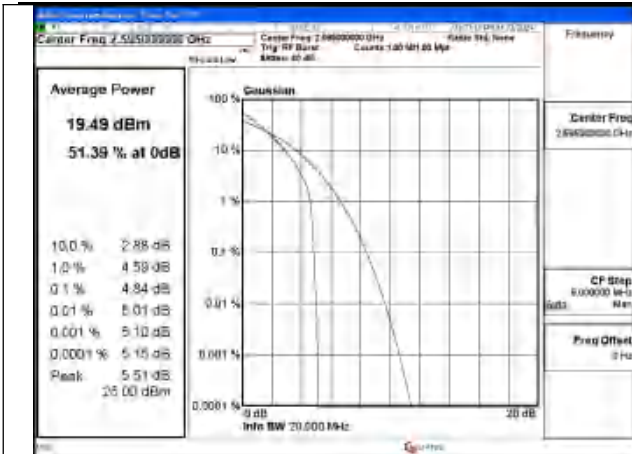


Fig.61

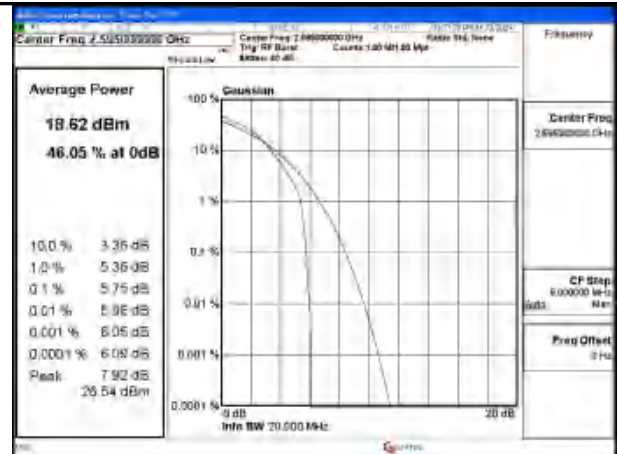


Fig.62

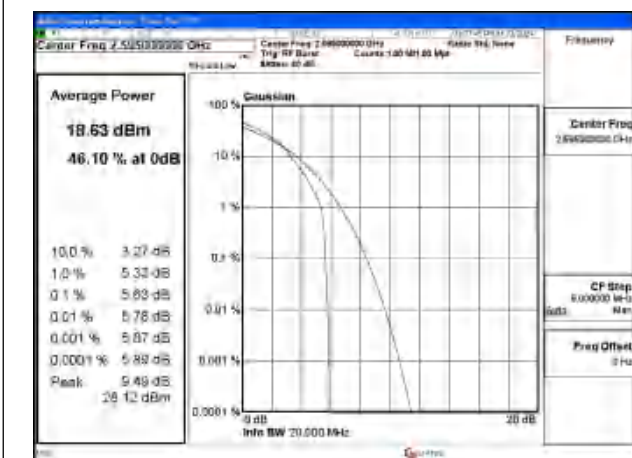


Fig.63

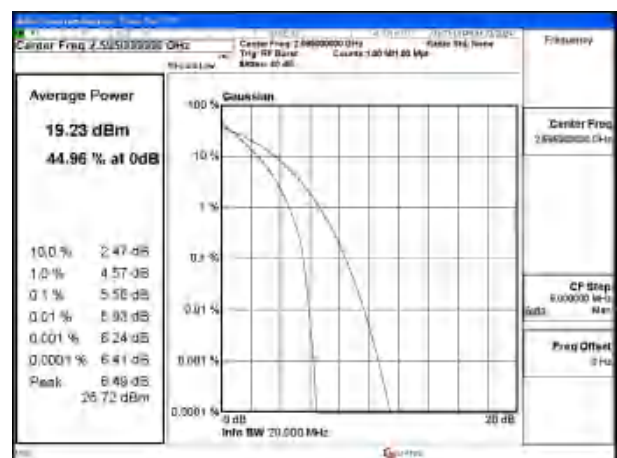


Fig.64

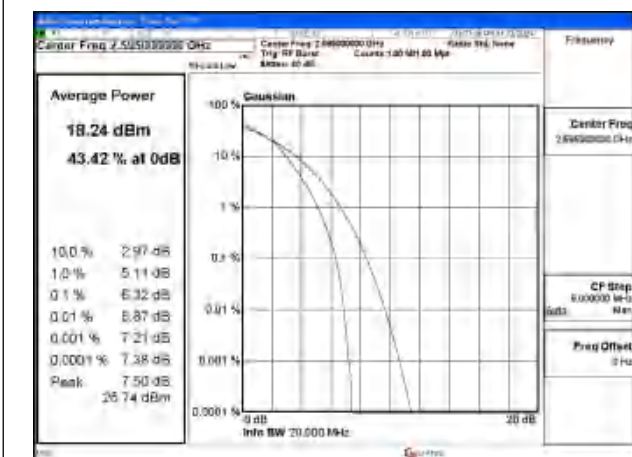


Fig.65

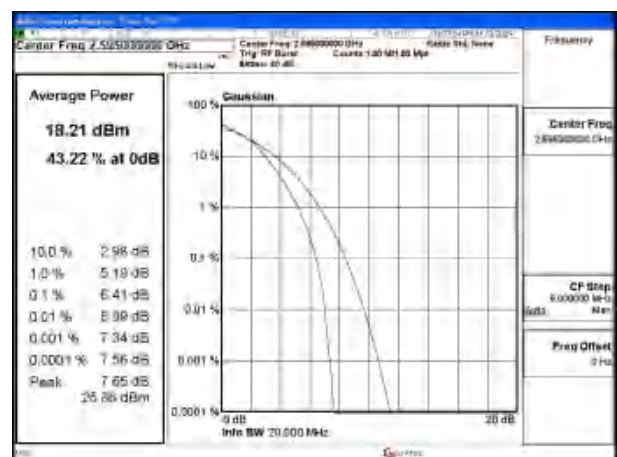


Fig.66

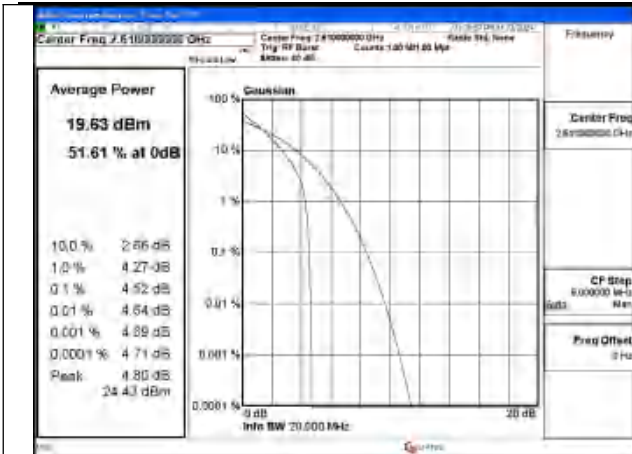


Fig.67

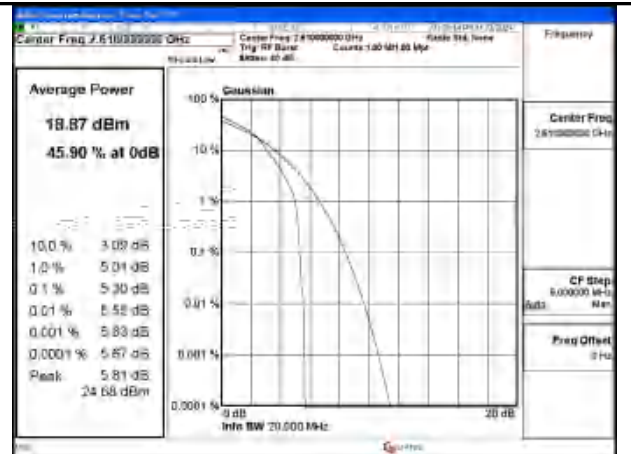


Fig.68

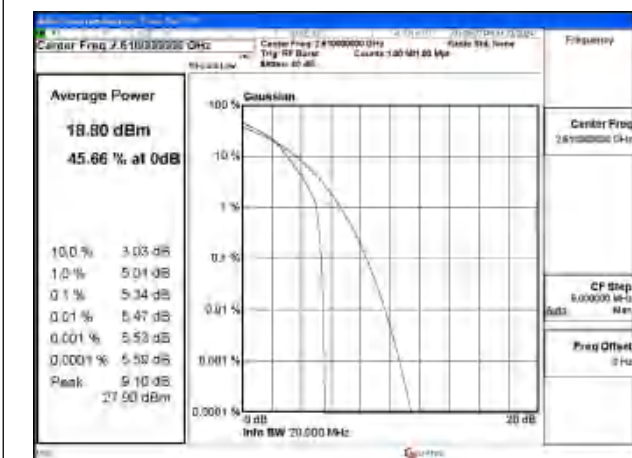


Fig.69

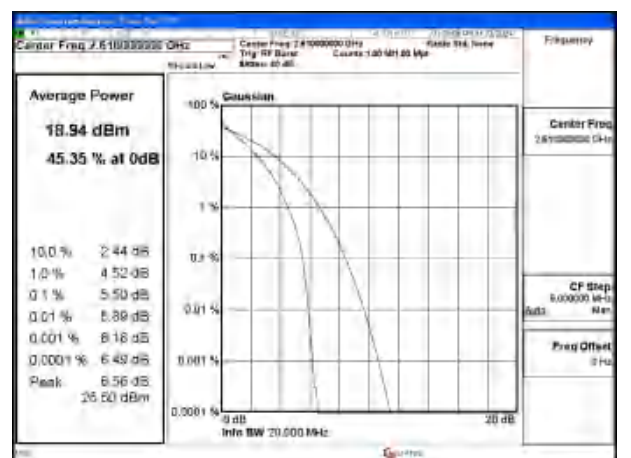


Fig.70

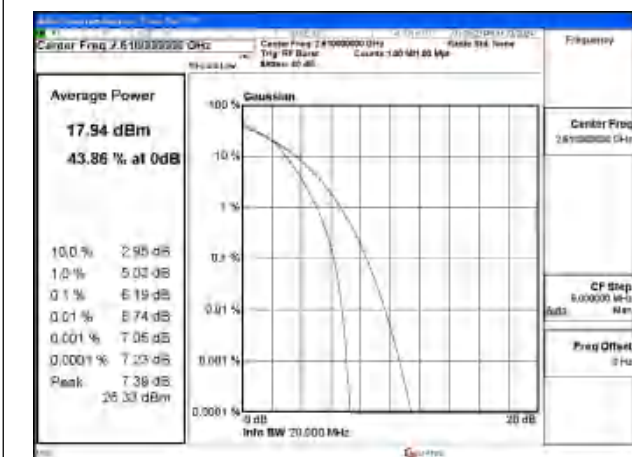


Fig.71

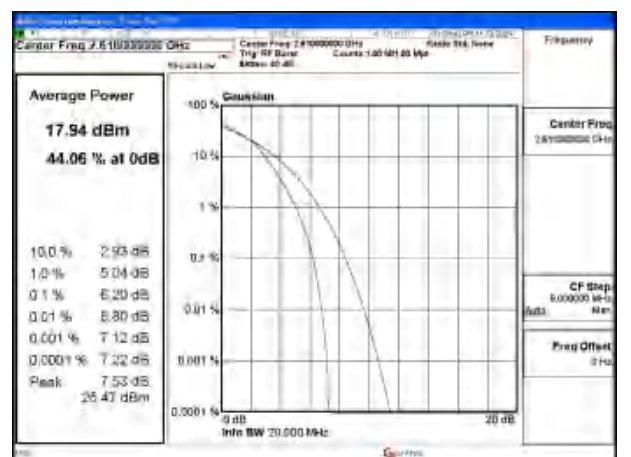


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
38	2595	38000	20	1	0	Fig.2
38	2610	38150	20	1	0	Fig.3



Fig.1

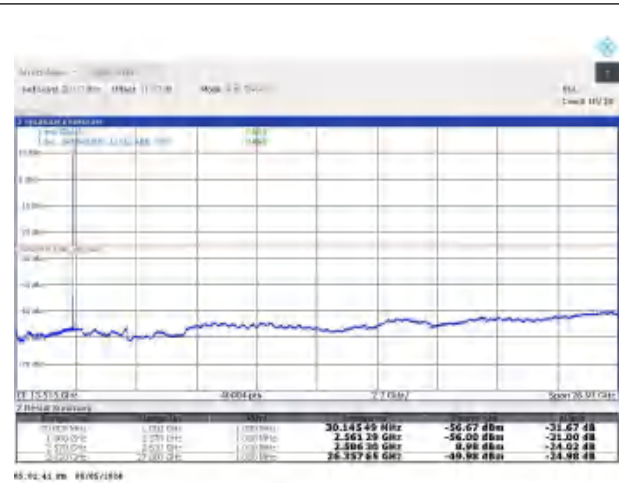


Fig.2



Fig.3



6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12
38	QPSK	2580	37850	20	1	0	Fig.13
38	QPSK	2580	37850	20	100	0	Fig.14
38	QPSK	2610	38150	20	1	99	Fig.15
38	QPSK	2610	38150	20	100	0	Fig.16



Test Mode: QPSK



Fig.1

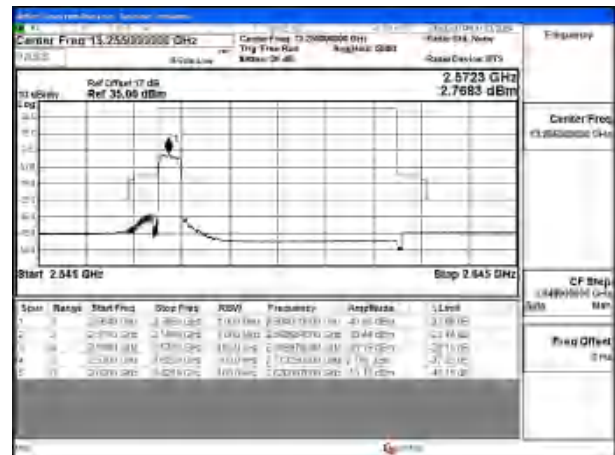


Fig.2



Fig.3

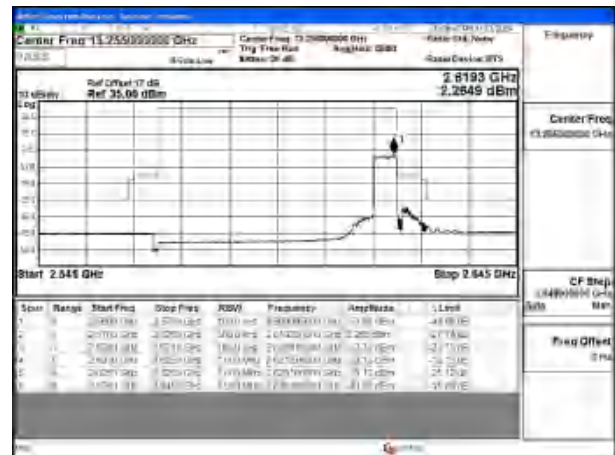


Fig.4



Fig.5



Fig.6



Fig.7



Fig.8

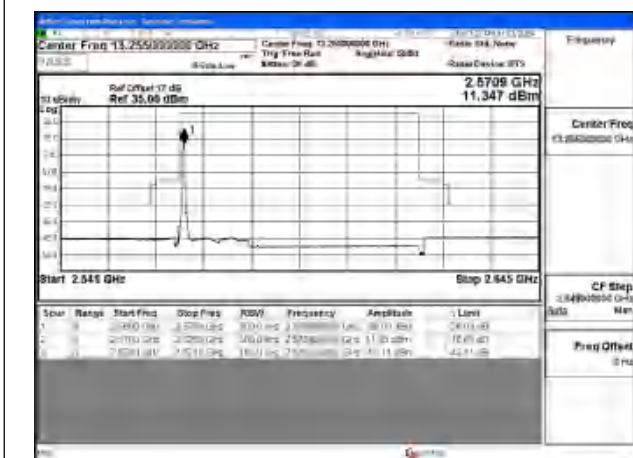


Fig.9



Fig.10



Fig.11

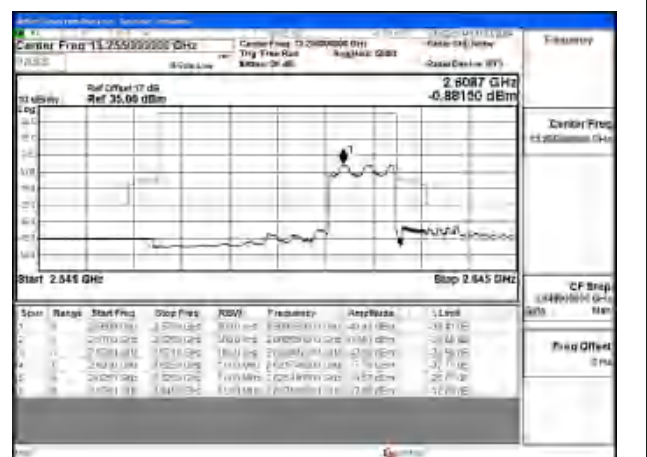


Fig.12



Fig.13



Fig.14



Fig.15

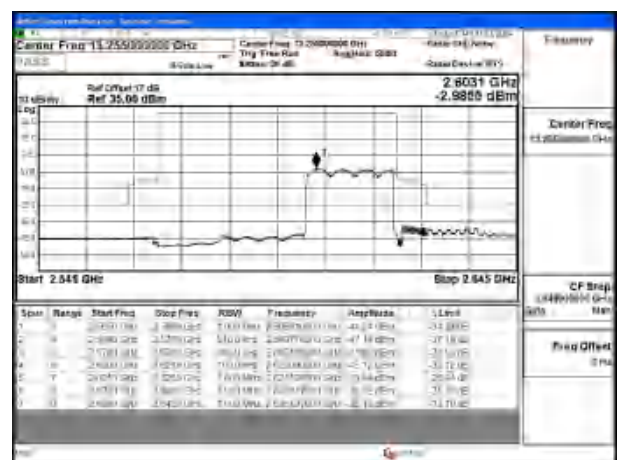


Fig.16



7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	0.001	-0.002	0.002
0	NV	0.002	0.002	0.002	0.002
+10	NV	0.001	0.002	0.001	0.002
+20	NV	0.002	0.001	0.002	0.002
+30	NV	0.001	0.002	0.001	0.002
+40	NV	0.001	0.002	0.001	0.002
+55	NV	0.000	0.002	-0.003	0.002
+20	LV	0.001	0.001	0.003	0.001
+20	HV	0.002	0.002	0.002	0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	0.003	-0.002	-0.002
0	NV	0.003	0.002	0.001	-0.003
+10	NV	0.003	0.001	0.001	-0.002
+20	NV	0.001	-0.002	0.001	-0.002
+30	NV	0.003	0.001	0.001	0.002
+40	NV	0.002	-0.001	0.002	-0.002
+55	NV	0.004	-0.001	0.001	-0.003
+20	LV	-0.002	0.002	-0.001	0.002
+20	HV	0.003	0.001	0.002	-0.002



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	2572.5	37775	5	1	0	23.07	18.77	0.075
QPSK	2572.5	37775	5	1	12	23.08	18.78	0.076
QPSK	2572.5	37775	5	1	24	22.97	18.67	0.074
QPSK	2572.5	37775	5	12	0	22.17	17.87	0.061
QPSK	2572.5	37775	5	12	7	22.06	17.76	0.060
QPSK	2572.5	37775	5	12	13	22.03	17.73	0.059
QPSK	2572.5	37775	5	25	0	22.09	17.79	0.060
QPSK	2595	38000	5	1	0	22.70	18.40	0.069
QPSK	2595	38000	5	1	12	22.59	18.29	0.067
QPSK	2595	38000	5	1	24	22.72	18.42	0.070
QPSK	2595	38000	5	12	0	21.72	17.42	0.055
QPSK	2595	38000	5	12	7	21.60	17.30	0.054
QPSK	2595	38000	5	12	13	21.57	17.27	0.053
QPSK	2595	38000	5	25	0	21.60	17.30	0.054
QPSK	2617.5	38225	5	1	0	22.83	18.53	0.071
QPSK	2617.5	38225	5	1	12	23.22	18.92	0.078
QPSK	2617.5	38225	5	1	24	23.12	18.82	0.076
QPSK	2617.5	38225	5	12	0	21.92	17.62	0.058
QPSK	2617.5	38225	5	12	7	22.02	17.72	0.059
QPSK	2617.5	38225	5	12	13	22.01	17.71	0.059
QPSK	2617.5	38225	5	25	0	22.01	17.71	0.059



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2572.5	37775	5	1	0	22.60	18.30	0.068
16QAM	2572.5	37775	5	1	12	22.44	18.14	0.065
16QAM	2572.5	37775	5	1	24	22.68	18.38	0.069
16QAM	2572.5	37775	5	12	0	21.16	16.86	0.049
16QAM	2572.5	37775	5	12	7	21.20	16.90	0.049
16QAM	2572.5	37775	5	12	13	21.19	16.89	0.049
16QAM	2572.5	37775	5	25	0	21.16	16.86	0.049
16QAM	2595	38000	5	1	0	21.82	17.52	0.056
16QAM	2595	38000	5	1	12	22.09	17.79	0.060
16QAM	2595	38000	5	1	24	21.82	17.52	0.056
16QAM	2595	38000	5	12	0	20.67	16.37	0.043
16QAM	2595	38000	5	12	7	20.70	16.40	0.044
16QAM	2595	38000	5	12	13	20.77	16.47	0.044
16QAM	2595	38000	5	25	0	20.55	16.25	0.042
16QAM	2617.5	38225	5	1	0	21.96	17.66	0.058
16QAM	2617.5	38225	5	1	12	22.51	18.21	0.066
16QAM	2617.5	38225	5	1	24	22.43	18.13	0.065
16QAM	2617.5	38225	5	12	0	20.97	16.67	0.046
16QAM	2617.5	38225	5	12	7	21.07	16.77	0.048
16QAM	2617.5	38225	5	12	13	21.10	16.80	0.048
16QAM	2617.5	38225	5	25	0	21.10	16.80	0.048
64QAM	2572.5	37775	5	1	0	21.80	17.50	0.056
64QAM	2572.5	37775	5	1	12	22.03	17.73	0.059
64QAM	2572.5	37775	5	1	24	22.17	17.87	0.061
64QAM	2572.5	37775	5	12	0	21.17	16.87	0.049
64QAM	2572.5	37775	5	12	7	21.11	16.81	0.048
64QAM	2572.5	37775	5	12	13	21.06	16.76	0.047
64QAM	2572.5	37775	5	25	0	21.14	16.84	0.048
64QAM	2595	38000	5	1	0	21.65	17.35	0.054
64QAM	2595	38000	5	1	12	21.67	17.37	0.055
64QAM	2595	38000	5	1	24	21.59	17.29	0.054
64QAM	2595	38000	5	12	0	20.69	16.39	0.044
64QAM	2595	38000	5	12	7	20.61	16.31	0.043
64QAM	2595	38000	5	12	13	20.68	16.38	0.043
64QAM	2595	38000	5	25	0	20.63	16.33	0.043
64QAM	2617.5	38225	5	1	0	21.89	17.59	0.057
64QAM	2617.5	38225	5	1	12	21.77	17.47	0.056
64QAM	2617.5	38225	5	1	24	22.31	18.01	0.063
64QAM	2617.5	38225	5	12	0	20.99	16.69	0.047
64QAM	2617.5	38225	5	12	7	21.14	16.84	0.048
64QAM	2617.5	38225	5	12	13	21.16	16.86	0.049
64QAM	2617.5	38225	5	25	0	21.01	16.71	0.047



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	23.24	18.94	0.078
QPSK	2575	37800	10	1	25	23.29	18.99	0.079
QPSK	2575	37800	10	1	49	22.90	18.60	0.072
QPSK	2575	37800	10	25	0	22.14	17.84	0.061
QPSK	2575	37800	10	25	12	22.23	17.93	0.062
QPSK	2575	37800	10	25	25	21.91	17.61	0.058
QPSK	2575	37800	10	50	0	22.13	17.83	0.061
QPSK	2595	38000	10	1	0	22.72	18.42	0.070
QPSK	2595	38000	10	1	25	22.84	18.54	0.071
QPSK	2595	38000	10	1	49	22.70	18.40	0.069
QPSK	2595	38000	10	25	0	21.66	17.36	0.054
QPSK	2595	38000	10	25	12	21.64	17.34	0.054
QPSK	2595	38000	10	25	25	21.70	17.40	0.055
QPSK	2595	38000	10	50	0	21.69	17.39	0.055
QPSK	2615	38200	10	1	0	22.88	18.58	0.072
QPSK	2615	38200	10	1	25	22.94	18.64	0.073
QPSK	2615	38200	10	1	49	22.97	18.67	0.074
QPSK	2615	38200	10	25	0	21.77	17.47	0.056
QPSK	2615	38200	10	25	12	21.87	17.57	0.057
QPSK	2615	38200	10	25	25	22.00	17.70	0.059
QPSK	2615	38200	10	50	0	21.82	17.52	0.056



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.48	18.18	0.066
16QAM	2575	37800	10	1	25	22.63	18.33	0.068
16QAM	2575	37800	10	1	49	21.92	17.62	0.058
16QAM	2575	37800	10	25	0	21.10	16.80	0.048
16QAM	2575	37800	10	25	12	21.24	16.94	0.049
16QAM	2575	37800	10	25	25	21.15	16.85	0.048
16QAM	2575	37800	10	50	0	21.14	16.84	0.048
16QAM	2595	38000	10	1	0	22.15	17.85	0.061
16QAM	2595	38000	10	1	25	22.17	17.87	0.061
16QAM	2595	38000	10	1	49	21.92	17.62	0.058
16QAM	2595	38000	10	25	0	20.69	16.39	0.044
16QAM	2595	38000	10	25	12	20.59	16.29	0.043
16QAM	2595	38000	10	25	25	20.62	16.32	0.043
16QAM	2595	38000	10	50	0	20.68	16.38	0.043
16QAM	2615	38200	10	1	0	22.35	18.05	0.064
16QAM	2615	38200	10	1	25	22.31	18.01	0.063
16QAM	2615	38200	10	1	49	22.27	17.97	0.063
16QAM	2615	38200	10	25	0	20.86	16.56	0.045
16QAM	2615	38200	10	25	12	20.92	16.62	0.046
16QAM	2615	38200	10	25	25	20.93	16.63	0.046
16QAM	2615	38200	10	50	0	20.77	16.47	0.044
64QAM	2575	37800	10	1	0	22.54	18.24	0.067
64QAM	2575	37800	10	1	25	22.60	18.30	0.068
64QAM	2575	37800	10	1	49	22.22	17.92	0.062
64QAM	2575	37800	10	25	0	21.22	16.92	0.049
64QAM	2575	37800	10	25	12	21.19	16.89	0.049
64QAM	2575	37800	10	25	25	21.21	16.91	0.049
64QAM	2575	37800	10	50	0	21.14	16.84	0.048
64QAM	2595	38000	10	1	0	21.70	17.40	0.055
64QAM	2595	38000	10	1	25	22.00	17.70	0.059
64QAM	2595	38000	10	1	49	21.49	17.19	0.052
64QAM	2595	38000	10	25	0	20.65	16.35	0.043
64QAM	2595	38000	10	25	12	20.63	16.33	0.043
64QAM	2595	38000	10	25	25	20.74	16.44	0.044
64QAM	2595	38000	10	50	0	20.70	16.40	0.044
64QAM	2615	38200	10	1	0	22.09	17.79	0.060
64QAM	2615	38200	10	1	25	22.08	17.78	0.060
64QAM	2615	38200	10	1	49	22.20	17.90	0.062
64QAM	2615	38200	10	25	0	20.75	16.45	0.044
64QAM	2615	38200	10	25	12	20.79	16.49	0.045
64QAM	2615	38200	10	25	25	20.97	16.67	0.046
64QAM	2615	38200	10	50	0	20.78	16.48	0.044



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	23.05	18.75	0.075
QPSK	2577.5	37825	15	1	37	23.05	18.75	0.075
QPSK	2577.5	37825	15	1	74	23.01	18.71	0.074
QPSK	2577.5	37825	15	36	0	22.01	17.71	0.059
QPSK	2577.5	37825	15	36	29	21.89	17.59	0.057
QPSK	2577.5	37825	15	36	30	21.96	17.66	0.058
QPSK	2577.5	37825	15	75	0	21.99	17.69	0.059
QPSK	2595	38000	15	1	0	22.55	18.25	0.067
QPSK	2595	38000	15	1	37	22.50	18.20	0.066
QPSK	2595	38000	15	1	74	22.63	18.33	0.068
QPSK	2595	38000	15	36	0	21.66	17.36	0.054
QPSK	2595	38000	15	36	29	21.63	17.33	0.054
QPSK	2595	38000	15	36	30	21.61	17.31	0.054
QPSK	2595	38000	15	75	0	21.58	17.28	0.053
QPSK	2612.5	38175	15	1	0	23.00	18.70	0.074
QPSK	2612.5	38175	15	1	37	22.83	18.53	0.071
QPSK	2612.5	38175	15	1	74	23.02	18.72	0.074
QPSK	2612.5	38175	15	36	0	21.69	17.39	0.055
QPSK	2612.5	38175	15	36	29	21.79	17.49	0.056
QPSK	2612.5	38175	15	36	30	21.81	17.51	0.056
QPSK	2612.5	38175	15	75	0	21.70	17.40	0.055



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	21.94	17.64	0.058
16QAM	2577.5	37825	15	1	37	22.09	17.79	0.060
16QAM	2577.5	37825	15	1	74	21.99	17.69	0.059
16QAM	2577.5	37825	15	36	0	21.02	16.72	0.047
16QAM	2577.5	37825	15	36	29	20.91	16.61	0.046
16QAM	2577.5	37825	15	36	30	20.99	16.69	0.047
16QAM	2577.5	37825	15	75	0	20.99	16.69	0.047
16QAM	2595	38000	15	1	0	21.98	17.68	0.059
16QAM	2595	38000	15	1	37	21.84	17.54	0.057
16QAM	2595	38000	15	1	74	21.76	17.46	0.056
16QAM	2595	38000	15	36	0	20.72	16.42	0.044
16QAM	2595	38000	15	36	29	20.68	16.38	0.043
16QAM	2595	38000	15	36	30	20.61	16.31	0.043
16QAM	2595	38000	15	75	0	20.62	16.32	0.043
16QAM	2612.5	38175	15	1	0	21.86	17.56	0.057
16QAM	2612.5	38175	15	1	37	21.64	17.34	0.054
16QAM	2612.5	38175	15	1	74	22.30	18.00	0.063
16QAM	2612.5	38175	15	36	0	20.78	16.48	0.044
16QAM	2612.5	38175	15	36	29	20.76	16.46	0.044
16QAM	2612.5	38175	15	36	30	20.80	16.50	0.045
16QAM	2612.5	38175	15	75	0	20.74	16.44	0.044
64QAM	2577.5	37825	15	1	0	22.25	17.95	0.062
64QAM	2577.5	37825	15	1	37	22.32	18.02	0.063
64QAM	2577.5	37825	15	1	74	21.66	17.36	0.054
64QAM	2577.5	37825	15	36	0	21.04	16.74	0.047
64QAM	2577.5	37825	15	36	29	20.83	16.53	0.045
64QAM	2577.5	37825	15	36	30	20.86	16.56	0.045
64QAM	2577.5	37825	15	75	0	20.98	16.68	0.047
64QAM	2595	38000	15	1	0	21.97	17.67	0.058
64QAM	2595	38000	15	1	37	21.53	17.23	0.053
64QAM	2595	38000	15	1	74	21.41	17.11	0.051
64QAM	2595	38000	15	36	0	20.57	16.27	0.042
64QAM	2595	38000	15	36	29	20.67	16.37	0.043
64QAM	2595	38000	15	36	30	20.63	16.33	0.043
64QAM	2595	38000	15	75	0	20.56	16.26	0.042
64QAM	2612.5	38175	15	1	0	21.65	17.35	0.054
64QAM	2612.5	38175	15	1	37	21.88	17.58	0.057
64QAM	2612.5	38175	15	1	74	21.65	17.35	0.054
64QAM	2612.5	38175	15	36	0	20.66	16.36	0.043
64QAM	2612.5	38175	15	36	29	20.74	16.44	0.044
64QAM	2612.5	38175	15	36	30	20.87	16.57	0.045
64QAM	2612.5	38175	15	75	0	20.63	16.33	0.043



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	23.35	19.05	0.080
QPSK	2580	37850	20	1	49	23.05	18.75	0.075
QPSK	2580	37850	20	1	99	22.86	18.56	0.072
QPSK	2580	37850	20	50	0	22.01	17.71	0.059
QPSK	2580	37850	20	50	24	21.94	17.64	0.058
QPSK	2580	37850	20	50	50	21.79	17.49	0.056
QPSK	2580	37850	20	100	0	22.02	17.72	0.059
QPSK	2595	38000	20	1	0	23.02	18.72	0.074
QPSK	2595	38000	20	1	49	22.86	18.56	0.072
QPSK	2595	38000	20	1	99	22.69	18.39	0.069
QPSK	2595	38000	20	50	0	21.88	17.58	0.057
QPSK	2595	38000	20	50	24	21.66	17.36	0.054
QPSK	2595	38000	20	50	50	21.68	17.38	0.055
QPSK	2595	38000	20	100	0	21.55	17.25	0.053
QPSK	2610	38150	20	1	0	22.49	18.19	0.066
QPSK	2610	38150	20	1	49	22.95	18.65	0.073
QPSK	2610	38150	20	1	99	23.00	18.70	0.074
QPSK	2610	38150	20	50	0	21.57	17.27	0.053
QPSK	2610	38150	20	50	24	21.65	17.35	0.054
QPSK	2610	38150	20	50	50	21.80	17.50	0.056
QPSK	2610	38150	20	100	0	21.63	17.33	0.054



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	22.35	18.05	0.064
16QAM	2580	37850	20	1	49	22.20	17.90	0.062
16QAM	2580	37850	20	1	99	22.31	18.01	0.063
16QAM	2580	37850	20	50	0	21.06	16.76	0.047
16QAM	2580	37850	20	50	24	20.95	16.65	0.046
16QAM	2580	37850	20	50	50	20.74	16.44	0.044
16QAM	2580	37850	20	100	0	20.91	16.61	0.046
16QAM	2595	38000	20	1	0	21.85	17.55	0.057
16QAM	2595	38000	20	1	49	22.18	17.88	0.061
16QAM	2595	38000	20	1	99	21.95	17.65	0.058
16QAM	2595	38000	20	50	0	20.67	16.37	0.043
16QAM	2595	38000	20	50	24	20.70	16.40	0.044
16QAM	2595	38000	20	50	50	20.59	16.29	0.043
16QAM	2595	38000	20	100	0	20.65	16.35	0.043
16QAM	2610	38150	20	1	0	21.99	17.69	0.059
16QAM	2610	38150	20	1	49	22.16	17.86	0.061
16QAM	2610	38150	20	1	99	22.11	17.81	0.060
16QAM	2610	38150	20	50	0	20.72	16.42	0.044
16QAM	2610	38150	20	50	24	20.74	16.44	0.044
16QAM	2610	38150	20	50	50	20.81	16.51	0.045
16QAM	2610	38150	20	100	0	20.68	16.38	0.043
64QAM	2580	37850	20	1	0	22.04	17.74	0.059
64QAM	2580	37850	20	1	49	21.32	17.02	0.050
64QAM	2580	37850	20	1	99	21.58	17.28	0.053
64QAM	2580	37850	20	50	0	21.00	16.70	0.047
64QAM	2580	37850	20	50	24	21.05	16.75	0.047
64QAM	2580	37850	20	50	50	20.76	16.46	0.044
64QAM	2580	37850	20	100	0	20.92	16.62	0.046
64QAM	2595	38000	20	1	0	21.73	17.43	0.055
64QAM	2595	38000	20	1	49	21.79	17.49	0.056
64QAM	2595	38000	20	1	99	21.18	16.88	0.049
64QAM	2595	38000	20	50	0	20.70	16.40	0.044
64QAM	2595	38000	20	50	24	20.54	16.24	0.042
64QAM	2595	38000	20	50	50	20.62	16.32	0.043
64QAM	2595	38000	20	100	0	20.55	16.25	0.042
64QAM	2610	38150	20	1	0	21.56	17.26	0.053
64QAM	2610	38150	20	1	49	22.37	18.07	0.064
64QAM	2610	38150	20	1	99	22.19	17.89	0.062
64QAM	2610	38150	20	50	0	20.70	16.40	0.044
64QAM	2610	38150	20	50	24	20.69	16.39	0.044
64QAM	2610	38150	20	50	50	20.71	16.41	0.044
64QAM	2610	38150	20	100	0	20.54	16.24	0.042