

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

N48(3550-3700)

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)
DFT-s-OFDM PI/2 BPSK	3555	637000	10	12	6	19.43
DFT-s-OFDM PI/2 BPSK	3555	637000	10	1	1	18.10
DFT-s-OFDM PI/2 BPSK	3555	637000	10	1	22	19.17
DFT-s-OFDM PI/2 BPSK	3555	637000	10	24	0	18.50
DFT-s-OFDM QPSK	3555	637000	10	12	6	19.03
DFT-s-OFDM QPSK	3555	637000	10	1	1	20.48
DFT-s-OFDM QPSK	3555	637000	10	1	22	19.11
DFT-s-OFDM QPSK	3555	637000	10	24	0	18.11
DFT-s-OFDM 16QAM	3555	637000	10	12	6	18.12
DFT-s-OFDM 16QAM	3555	637000	10	1	1	19.45
DFT-s-OFDM 16QAM	3555	637000	10	1	22	18.01
DFT-s-OFDM 16QAM	3555	637000	10	24	0	16.95
DFT-s-OFDM 64QAM	3555	637000	10	12	6	16.44
DFT-s-OFDM 64QAM	3555	637000	10	1	1	17.60
DFT-s-OFDM 64QAM	3555	637000	10	1	22	17.37
DFT-s-OFDM 64QAM	3555	637000	10	24	0	18.08
DFT-s-OFDM 256QAM	3555	637000	10	12	6	15.90
DFT-s-OFDM 256QAM	3555	637000	10	1	1	14.20
DFT-s-OFDM 256QAM	3555	637000	10	1	22	15.44
DFT-s-OFDM 256QAM	3555	637000	10	24	0	14.64
CP-OFDM QPSK	3555	637000	10	12	6	17.46
CP-OFDM QPSK	3555	637000	10	1	1	17.73
CP-OFDM QPSK	3555	637000	10	1	22	17.60
CP-OFDM QPSK	3555	637000	10	24	0	16.05
CP-OFDM 16QAM	3555	637000	10	12	6	18.42
CP-OFDM 16QAM	3555	637000	10	1	1	17.21
CP-OFDM 16QAM	3555	637000	10	1	22	18.36
CP-OFDM 16QAM	3555	637000	10	24	0	16.00
CP-OFDM 64QAM	3555	637000	10	12	6	16.87
CP-OFDM 64QAM	3555	637000	10	1	1	15.14
CP-OFDM 64QAM	3555	637000	10	1	22	16.57
CP-OFDM 64QAM	3555	637000	10	24	0	15.53
CP-OFDM 256QAM	3555	637000	10	12	6	13.96
CP-OFDM 256QAM	3555	637000	10	1	1	12.51
CP-OFDM 256QAM	3555	637000	10	1	22	13.69
CP-OFDM 256QAM	3555	637000	10	24	0	12.49
DFT-s-OFDM PI/2 BPSK	3624.99	641666	10	12	6	15.74
DFT-s-OFDM PI/2 BPSK	3624.99	641666	10	1	1	15.39
DFT-s-OFDM PI/2 BPSK	3624.99	641666	10	1	22	13.94
DFT-s-OFDM PI/2 BPSK	3624.99	641666	10	24	0	14.43
DFT-s-OFDM QPSK	3624.99	641666	10	12	6	18.73
DFT-s-OFDM QPSK	3624.99	641666	10	1	1	20.10

DFT-s-OFDM QPSK	3624.99	641666	10	1	22	18.85
DFT-s-OFDM QPSK	3624.99	641666	10	24	0	19.08
DFT-s-OFDM 16QAM	3624.99	641666	10	12	6	19.15
DFT-s-OFDM 16QAM	3624.99	641666	10	1	1	17.90
DFT-s-OFDM 16QAM	3624.99	641666	10	1	22	19.04
DFT-s-OFDM 16QAM	3624.99	641666	10	24	0	18.12
DFT-s-OFDM 64QAM	3624.99	641666	10	12	6	16.47
DFT-s-OFDM 64QAM	3624.99	641666	10	1	1	15.83
DFT-s-OFDM 64QAM	3624.99	641666	10	1	22	17.15
DFT-s-OFDM 64QAM	3624.99	641666	10	24	0	16.40
DFT-s-OFDM 256QAM	3624.99	641666	10	12	6	14.34
DFT-s-OFDM 256QAM	3624.99	641666	10	1	1	13.99
DFT-s-OFDM 256QAM	3624.99	641666	10	1	22	14.15
DFT-s-OFDM 256QAM	3624.99	641666	10	24	0	14.26
CP-OFDM QPSK	3624.99	641666	10	12	6	17.33
CP-OFDM QPSK	3624.99	641666	10	1	1	18.74
CP-OFDM QPSK	3624.99	641666	10	1	22	18.64
CP-OFDM QPSK	3624.99	641666	10	24	0	17.23
CP-OFDM 16QAM	3624.99	641666	10	12	6	18.36
CP-OFDM 16QAM	3624.99	641666	10	1	1	17.21
CP-OFDM 16QAM	3624.99	641666	10	1	22	16.94
CP-OFDM 16QAM	3624.99	641666	10	24	0	15.99
CP-OFDM 64QAM	3624.99	641666	10	12	6	16.86
CP-OFDM 64QAM	3624.99	641666	10	1	1	16.67
CP-OFDM 64QAM	3624.99	641666	10	1	22	15.05
CP-OFDM 64QAM	3624.99	641666	10	24	0	16.82
CP-OFDM 256QAM	3624.99	641666	10	12	6	13.51
CP-OFDM 256QAM	3624.99	641666	10	1	1	12.24
CP-OFDM 256QAM	3624.99	641666	10	1	22	13.41
CP-OFDM 256QAM	3624.99	641666	10	24	0	13.55
DFT-s-OFDM PI/2 BPSK	3694.98	646332	10	12	6	15.41
DFT-s-OFDM PI/2 BPSK	3694.98	646332	10	1	1	14.11
DFT-s-OFDM PI/2 BPSK	3694.98	646332	10	1	22	13.83
DFT-s-OFDM PI/2 BPSK	3694.98	646332	10	24	0	15.42
DFT-s-OFDM QPSK	3694.98	646332	10	12	6	20.06
DFT-s-OFDM QPSK	3694.98	646332	10	1	1	18.72
DFT-s-OFDM QPSK	3694.98	646332	10	1	22	19.87
DFT-s-OFDM QPSK	3694.98	646332	10	24	0	19.06
DFT-s-OFDM 16QAM	3694.98	646332	10	12	6	19.23
DFT-s-OFDM 16QAM	3694.98	646332	10	1	1	17.86
DFT-s-OFDM 16QAM	3694.98	646332	10	1	22	19.12
DFT-s-OFDM 16QAM	3694.98	646332	10	24	0	18.01
DFT-s-OFDM 64QAM	3694.98	646332	10	12	6	17.50
DFT-s-OFDM 64QAM	3694.98	646332	10	1	1	17.27
DFT-s-OFDM 64QAM	3694.98	646332	10	1	22	17.26
DFT-s-OFDM 64QAM	3694.98	646332	10	24	0	17.57

DFT-s-OFDM 256QAM	3694.98	646332	10	12	6	14.17
DFT-s-OFDM 256QAM	3694.98	646332	10	1	1	15.30
DFT-s-OFDM 256QAM	3694.98	646332	10	1	22	13.84
DFT-s-OFDM 256QAM	3694.98	646332	10	24	0	14.08
CP-OFDM QPSK	3694.98	646332	10	12	6	18.56
CP-OFDM QPSK	3694.98	646332	10	1	1	18.56
CP-OFDM QPSK	3694.98	646332	10	1	22	17.37
CP-OFDM QPSK	3694.98	646332	10	24	0	16.97
CP-OFDM 16QAM	3694.98	646332	10	12	6	18.21
CP-OFDM 16QAM	3694.98	646332	10	1	1	16.82
CP-OFDM 16QAM	3694.98	646332	10	1	22	18.13
CP-OFDM 16QAM	3694.98	646332	10	24	0	15.73
CP-OFDM 64QAM	3694.98	646332	10	12	6	16.58
CP-OFDM 64QAM	3694.98	646332	10	1	1	16.38
CP-OFDM 64QAM	3694.98	646332	10	1	22	16.36
CP-OFDM 64QAM	3694.98	646332	10	24	0	15.15
CP-OFDM 256QAM	3694.98	646332	10	12	6	13.35
CP-OFDM 256QAM	3694.98	646332	10	1	1	13.36
CP-OFDM 256QAM	3694.98	646332	10	1	22	13.28
CP-OFDM 256QAM	3694.98	646332	10	24	0	13.56

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)
DFT-s-OFDM PI/2 BPSK	3560.01	637334	20	25	12	14.78
DFT-s-OFDM PI/2 BPSK	3560.01	637334	20	1	1	14.33
DFT-s-OFDM PI/2 BPSK	3560.01	637334	20	1	49	15.69
DFT-s-OFDM PI/2 BPSK	3560.01	637334	20	50	0	14.71
DFT-s-OFDM QPSK	3560.01	637334	20	25	12	19.18
DFT-s-OFDM QPSK	3560.01	637334	20	1	1	20.47
DFT-s-OFDM QPSK	3560.01	637334	20	1	49	19.05
DFT-s-OFDM QPSK	3560.01	637334	20	50	0	18.14
DFT-s-OFDM 16QAM	3560.01	637334	20	25	12	18.41
DFT-s-OFDM 16QAM	3560.01	637334	20	1	1	19.41
DFT-s-OFDM 16QAM	3560.01	637334	20	1	49	19.26
DFT-s-OFDM 16QAM	3560.01	637334	20	50	0	18.45
DFT-s-OFDM 64QAM	3560.01	637334	20	25	12	17.98
DFT-s-OFDM 64QAM	3560.01	637334	20	1	1	16.15
DFT-s-OFDM 64QAM	3560.01	637334	20	1	49	17.67
DFT-s-OFDM 64QAM	3560.01	637334	20	50	0	16.68
DFT-s-OFDM 256QAM	3560.01	637334	20	25	12	14.58
DFT-s-OFDM 256QAM	3560.01	637334	20	1	1	15.71
DFT-s-OFDM 256QAM	3560.01	637334	20	1	49	14.17
DFT-s-OFDM 256QAM	3560.01	637334	20	50	0	15.81
CP-OFDM QPSK	3560.01	637334	20	25	12	18.92
CP-OFDM QPSK	3560.01	637334	20	1	1	17.89
CP-OFDM QPSK	3560.01	637334	20	1	49	17.58

CP-OFDM QPSK	3560.01	637334	20	51	0	17.56
CP-OFDM 16QAM	3560.01	637334	20	25	12	18.40
CP-OFDM 16QAM	3560.01	637334	20	1	1	17.35
CP-OFDM 16QAM	3560.01	637334	20	1	49	17.15
CP-OFDM 16QAM	3560.01	637334	20	51	0	17.57
CP-OFDM 64QAM	3560.01	637334	20	25	12	15.86
CP-OFDM 64QAM	3560.01	637334	20	1	1	15.69
CP-OFDM 64QAM	3560.01	637334	20	1	49	15.40
CP-OFDM 64QAM	3560.01	637334	20	51	0	15.75
CP-OFDM 256QAM	3560.01	637334	20	25	12	14.12
CP-OFDM 256QAM	3560.01	637334	20	1	1	12.38
CP-OFDM 256QAM	3560.01	637334	20	1	49	13.56
CP-OFDM 256QAM	3560.01	637334	20	51	0	13.92
DFT-s-OFDM PI/2 BPSK	3624.99	641666	20	25	12	15.99
DFT-s-OFDM PI/2 BPSK	3624.99	641666	20	1	1	15.96
DFT-s-OFDM PI/2 BPSK	3624.99	641666	20	1	49	14.13
DFT-s-OFDM PI/2 BPSK	3624.99	641666	20	50	0	15.97
DFT-s-OFDM QPSK	3624.99	641666	20	25	12	19.18
DFT-s-OFDM QPSK	3624.99	641666	20	1	1	20.43
DFT-s-OFDM QPSK	3624.99	641666	20	1	49	20.17
DFT-s-OFDM QPSK	3624.99	641666	20	50	0	19.51
DFT-s-OFDM 16QAM	3624.99	641666	20	25	12	19.38
DFT-s-OFDM 16QAM	3624.99	641666	20	1	1	19.41
DFT-s-OFDM 16QAM	3624.99	641666	20	1	49	18.10
DFT-s-OFDM 16QAM	3624.99	641666	20	50	0	17.08
DFT-s-OFDM 64QAM	3624.99	641666	20	25	12	16.54
DFT-s-OFDM 64QAM	3624.99	641666	20	1	1	16.05
DFT-s-OFDM 64QAM	3624.99	641666	20	1	49	15.94
DFT-s-OFDM 64QAM	3624.99	641666	20	50	0	16.53
DFT-s-OFDM 256QAM	3624.99	641666	20	25	12	16.01
DFT-s-OFDM 256QAM	3624.99	641666	20	1	1	15.71
DFT-s-OFDM 256QAM	3624.99	641666	20	1	49	14.12
DFT-s-OFDM 256QAM	3624.99	641666	20	50	0	16.00
CP-OFDM QPSK	3624.99	641666	20	25	12	17.54
CP-OFDM QPSK	3624.99	641666	20	1	1	19.11
CP-OFDM QPSK	3624.99	641666	20	1	49	17.43
CP-OFDM QPSK	3624.99	641666	20	51	0	17.41
CP-OFDM 16QAM	3624.99	641666	20	25	12	17.03
CP-OFDM 16QAM	3624.99	641666	20	1	1	17.23
CP-OFDM 16QAM	3624.99	641666	20	1	49	17.19
CP-OFDM 16QAM	3624.99	641666	20	51	0	16.16
CP-OFDM 64QAM	3624.99	641666	20	25	12	15.61
CP-OFDM 64QAM	3624.99	641666	20	1	1	15.38
CP-OFDM 64QAM	3624.99	641666	20	1	49	15.36
CP-OFDM 64QAM	3624.99	641666	20	51	0	16.86
CP-OFDM 256QAM	3624.99	641666	20	25	12	14.03

CP-OFDM 256QAM	3624.99	641666	20	1	1	12.37
CP-OFDM 256QAM	3624.99	641666	20	1	49	13.47
CP-OFDM 256QAM	3624.99	641666	20	51	0	14.04
DFT-s-OFDM PI/2 BPSK	3690	646000	20	25	12	14.26
DFT-s-OFDM PI/2 BPSK	3690	646000	20	1	1	15.47
DFT-s-OFDM PI/2 BPSK	3690	646000	20	1	49	15.38
DFT-s-OFDM PI/2 BPSK	3690	646000	20	50	0	15.48
DFT-s-OFDM QPSK	3690	646000	20	25	12	18.84
DFT-s-OFDM QPSK	3690	646000	20	1	1	20.15
DFT-s-OFDM QPSK	3690	646000	20	1	49	18.67
DFT-s-OFDM QPSK	3690	646000	20	50	0	17.84
DFT-s-OFDM 16QAM	3690	646000	20	25	12	18.01
DFT-s-OFDM 16QAM	3690	646000	20	1	1	17.90
DFT-s-OFDM 16QAM	3690	646000	20	1	49	17.71
DFT-s-OFDM 16QAM	3690	646000	20	50	0	18.22
DFT-s-OFDM 64QAM	3690	646000	20	25	12	17.70
DFT-s-OFDM 64QAM	3690	646000	20	1	1	17.45
DFT-s-OFDM 64QAM	3690	646000	20	1	49	15.80
DFT-s-OFDM 64QAM	3690	646000	20	50	0	16.29
DFT-s-OFDM 256QAM	3690	646000	20	25	12	14.35
DFT-s-OFDM 256QAM	3690	646000	20	1	1	14.09
DFT-s-OFDM 256QAM	3690	646000	20	1	49	13.81
DFT-s-OFDM 256QAM	3690	646000	20	50	0	14.24
CP-OFDM QPSK	3690	646000	20	25	12	18.62
CP-OFDM QPSK	3690	646000	20	1	1	18.73
CP-OFDM QPSK	3690	646000	20	1	49	17.32
CP-OFDM QPSK	3690	646000	20	51	0	17.17
CP-OFDM 16QAM	3690	646000	20	25	12	16.95
CP-OFDM 16QAM	3690	646000	20	1	1	17.10
CP-OFDM 16QAM	3690	646000	20	1	49	18.15
CP-OFDM 16QAM	3690	646000	20	51	0	15.82
CP-OFDM 64QAM	3690	646000	20	25	12	15.47
CP-OFDM 64QAM	3690	646000	20	1	1	16.62
CP-OFDM 64QAM	3690	646000	20	1	49	16.51
CP-OFDM 64QAM	3690	646000	20	51	0	16.56
CP-OFDM 256QAM	3690	646000	20	25	12	12.37
CP-OFDM 256QAM	3690	646000	20	1	1	13.34
CP-OFDM 256QAM	3690	646000	20	1	49	11.92
CP-OFDM 256QAM	3690	646000	20	51	0	12.25

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)
DFT-s-OFDM PI/2 BPSK	3565.02	637668	30	36	18	15.87
DFT-s-OFDM PI/2 BPSK	3565.02	637668	30	1	1	14.84
DFT-s-OFDM PI/2 BPSK	3565.02	637668	30	1	76	15.46
DFT-s-OFDM PI/2 BPSK	3565.02	637668	30	75	0	14.62

DFT-s-OFDM QPSK	3565.02	637668	30	36	18	18.99
DFT-s-OFDM QPSK	3565.02	637668	30	1	1	19.34
DFT-s-OFDM QPSK	3565.02	637668	30	1	76	20.19
DFT-s-OFDM QPSK	3565.02	637668	30	75	0	18.04
DFT-s-OFDM 16QAM	3565.02	637668	30	36	18	19.40
DFT-s-OFDM 16QAM	3565.02	637668	30	1	1	18.34
DFT-s-OFDM 16QAM	3565.02	637668	30	1	76	17.89
DFT-s-OFDM 16QAM	3565.02	637668	30	75	0	17.14
DFT-s-OFDM 64QAM	3565.02	637668	30	36	18	17.85
DFT-s-OFDM 64QAM	3565.02	637668	30	1	1	16.25
DFT-s-OFDM 64QAM	3565.02	637668	30	1	76	17.28
DFT-s-OFDM 64QAM	3565.02	637668	30	75	0	16.75
DFT-s-OFDM 256QAM	3565.02	637668	30	36	18	14.52
DFT-s-OFDM 256QAM	3565.02	637668	30	1	1	14.36
DFT-s-OFDM 256QAM	3565.02	637668	30	1	76	15.32
DFT-s-OFDM 256QAM	3565.02	637668	30	75	0	14.58
CP-OFDM QPSK	3565.02	637668	30	39	19	17.60
CP-OFDM QPSK	3565.02	637668	30	1	1	19.02
CP-OFDM QPSK	3565.02	637668	30	1	76	17.53
CP-OFDM QPSK	3565.02	637668	30	78	0	16.00
CP-OFDM 16QAM	3565.02	637668	30	39	19	17.10
CP-OFDM 16QAM	3565.02	637668	30	1	1	17.40
CP-OFDM 16QAM	3565.02	637668	30	1	76	16.90
CP-OFDM 16QAM	3565.02	637668	30	78	0	17.38
CP-OFDM 64QAM	3565.02	637668	30	39	19	15.65
CP-OFDM 64QAM	3565.02	637668	30	1	1	16.84
CP-OFDM 64QAM	3565.02	637668	30	1	76	15.14
CP-OFDM 64QAM	3565.02	637668	30	78	0	15.58
CP-OFDM 256QAM	3565.02	637668	30	39	19	12.51
CP-OFDM 256QAM	3565.02	637668	30	1	1	13.60
CP-OFDM 256QAM	3565.02	637668	30	1	76	11.99
CP-OFDM 256QAM	3565.02	637668	30	78	0	12.50
DFT-s-OFDM PI/2 BPSK	3624.99	641666	30	36	18	14.46
DFT-s-OFDM PI/2 BPSK	3624.99	641666	30	1	1	14.28
DFT-s-OFDM PI/2 BPSK	3624.99	641666	30	1	76	14.06
DFT-s-OFDM PI/2 BPSK	3624.99	641666	30	75	0	14.44
DFT-s-OFDM QPSK	3624.99	641666	30	36	18	18.95
DFT-s-OFDM QPSK	3624.99	641666	30	1	1	20.43
DFT-s-OFDM QPSK	3624.99	641666	30	1	76	18.83
DFT-s-OFDM QPSK	3624.99	641666	30	75	0	17.94
DFT-s-OFDM 16QAM	3624.99	641666	30	36	18	18.07
DFT-s-OFDM 16QAM	3624.99	641666	30	1	1	18.38
DFT-s-OFDM 16QAM	3624.99	641666	30	1	76	18.04
DFT-s-OFDM 16QAM	3624.99	641666	30	75	0	16.92
DFT-s-OFDM 64QAM	3624.99	641666	30	36	18	16.37
DFT-s-OFDM 64QAM	3624.99	641666	30	1	1	16.14

DFT-s-OFDM 64QAM	3624.99	641666	30	1	76	15.86
DFT-s-OFDM 64QAM	3624.99	641666	30	75	0	17.81
DFT-s-OFDM 256QAM	3624.99	641666	30	36	18	15.63
DFT-s-OFDM 256QAM	3624.99	641666	30	1	1	14.45
DFT-s-OFDM 256QAM	3624.99	641666	30	1	76	14.08
DFT-s-OFDM 256QAM	3624.99	641666	30	75	0	14.48
CP-OFDM QPSK	3624.99	641666	30	39	19	17.51
CP-OFDM QPSK	3624.99	641666	30	1	1	17.56
CP-OFDM QPSK	3624.99	641666	30	1	76	17.27
CP-OFDM QPSK	3624.99	641666	30	78	0	17.50
CP-OFDM 16QAM	3624.99	641666	30	39	19	18.33
CP-OFDM 16QAM	3624.99	641666	30	1	1	17.30
CP-OFDM 16QAM	3624.99	641666	30	1	76	16.95
CP-OFDM 16QAM	3624.99	641666	30	78	0	17.36
CP-OFDM 64QAM	3624.99	641666	30	39	19	15.47
CP-OFDM 64QAM	3624.99	641666	30	1	1	16.71
CP-OFDM 64QAM	3624.99	641666	30	1	76	16.37
CP-OFDM 64QAM	3624.99	641666	30	78	0	15.53
CP-OFDM 256QAM	3624.99	641666	30	39	19	13.80
CP-OFDM 256QAM	3624.99	641666	30	1	1	13.56
CP-OFDM 256QAM	3624.99	641666	30	1	76	11.93
CP-OFDM 256QAM	3624.99	641666	30	78	0	13.72
DFT-s-OFDM PI/2 BPSK	3684.99	645666	30	36	18	14.50
DFT-s-OFDM PI/2 BPSK	3684.99	645666	30	1	1	14.25
DFT-s-OFDM PI/2 BPSK	3684.99	645666	30	1	76	15.39
DFT-s-OFDM PI/2 BPSK	3684.99	645666	30	75	0	14.37
DFT-s-OFDM QPSK	3684.99	645666	30	36	18	20.19
DFT-s-OFDM QPSK	3684.99	645666	30	1	1	19.06
DFT-s-OFDM QPSK	3684.99	645666	30	1	76	18.80
DFT-s-OFDM QPSK	3684.99	645666	30	75	0	19.20
DFT-s-OFDM 16QAM	3684.99	645666	30	36	18	19.25
DFT-s-OFDM 16QAM	3684.99	645666	30	1	1	18.22
DFT-s-OFDM 16QAM	3684.99	645666	30	1	76	19.06
DFT-s-OFDM 16QAM	3684.99	645666	30	75	0	18.30
DFT-s-OFDM 64QAM	3684.99	645666	30	36	18	17.85
DFT-s-OFDM 64QAM	3684.99	645666	30	1	1	17.52
DFT-s-OFDM 64QAM	3684.99	645666	30	1	76	17.22
DFT-s-OFDM 64QAM	3684.99	645666	30	75	0	17.78
DFT-s-OFDM 256QAM	3684.99	645666	30	36	18	14.55
DFT-s-OFDM 256QAM	3684.99	645666	30	1	1	15.65
DFT-s-OFDM 256QAM	3684.99	645666	30	1	76	15.15
DFT-s-OFDM 256QAM	3684.99	645666	30	75	0	14.37
CP-OFDM QPSK	3684.99	645666	30	39	19	17.57
CP-OFDM QPSK	3684.99	645666	30	1	1	18.93
CP-OFDM QPSK	3684.99	645666	30	1	76	18.50
CP-OFDM QPSK	3684.99	645666	30	78	0	15.91

CP-OFDM 16QAM	3684.99	645666	30	39	19	17.01
CP-OFDM 16QAM	3684.99	645666	30	1	1	18.39
CP-OFDM 16QAM	3684.99	645666	30	1	76	18.33
CP-OFDM 16QAM	3684.99	645666	30	78	0	15.85
CP-OFDM 64QAM	3684.99	645666	30	39	19	15.44
CP-OFDM 64QAM	3684.99	645666	30	1	1	15.31
CP-OFDM 64QAM	3684.99	645666	30	1	76	16.31
CP-OFDM 64QAM	3684.99	645666	30	78	0	16.66
CP-OFDM 256QAM	3684.99	645666	30	39	19	13.74
CP-OFDM 256QAM	3684.99	645666	30	1	1	13.67
CP-OFDM 256QAM	3684.99	645666	30	1	76	11.86
CP-OFDM 256QAM	3684.99	645666	30	78	0	12.60

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)
DFT-s-OFDM PI/2 BPSK	3570	638000	40	50	25	14.69
DFT-s-OFDM PI/2 BPSK	3570	638000	40	1	1	15.81
DFT-s-OFDM PI/2 BPSK	3570	638000	40	1	104	14.26
DFT-s-OFDM PI/2 BPSK	3570	638000	40	100	0	14.64
DFT-s-OFDM QPSK	3570	638000	40	50	25	19.11
DFT-s-OFDM QPSK	3570	638000	40	1	1	19.18
DFT-s-OFDM QPSK	3570	638000	40	1	104	19.06
DFT-s-OFDM QPSK	3570	638000	40	100	0	19.29
DFT-s-OFDM 16QAM	3570	638000	40	50	25	19.40
DFT-s-OFDM 16QAM	3570	638000	40	1	1	19.51
DFT-s-OFDM 16QAM	3570	638000	40	1	104	19.55
DFT-s-OFDM 16QAM	3570	638000	40	100	0	18.41
DFT-s-OFDM 64QAM	3570	638000	40	50	25	16.46
DFT-s-OFDM 64QAM	3570	638000	40	1	1	16.18
DFT-s-OFDM 64QAM	3570	638000	40	1	104	16.22
DFT-s-OFDM 64QAM	3570	638000	40	100	0	17.89
DFT-s-OFDM 256QAM	3570	638000	40	50	25	15.86
DFT-s-OFDM 256QAM	3570	638000	40	1	1	15.72
DFT-s-OFDM 256QAM	3570	638000	40	1	104	15.59
DFT-s-OFDM 256QAM	3570	638000	40	100	0	16.00
CP-OFDM QPSK	3570	638000	40	53	26	18.93
CP-OFDM QPSK	3570	638000	40	1	1	19.01
CP-OFDM QPSK	3570	638000	40	1	104	18.96
CP-OFDM QPSK	3570	638000	40	106	0	16.14
CP-OFDM 16QAM	3570	638000	40	53	26	16.93
CP-OFDM 16QAM	3570	638000	40	1	1	17.33
CP-OFDM 16QAM	3570	638000	40	1	104	18.40
CP-OFDM 16QAM	3570	638000	40	106	0	17.29
CP-OFDM 64QAM	3570	638000	40	53	26	16.96
CP-OFDM 64QAM	3570	638000	40	1	1	15.50
CP-OFDM 64QAM	3570	638000	40	1	104	16.71

CP-OFDM 64QAM	3570	638000	40	106	0	16.78
CP-OFDM 256QAM	3570	638000	40	53	26	12.46
CP-OFDM 256QAM	3570	638000	40	1	1	12.47
CP-OFDM 256QAM	3570	638000	40	1	104	13.45
CP-OFDM 256QAM	3570	638000	40	106	0	12.56
DFT-s-OFDM PI/2 BPSK	3624.99	641666	40	50	25	15.84
DFT-s-OFDM PI/2 BPSK	3624.99	641666	40	1	1	15.40
DFT-s-OFDM PI/2 BPSK	3624.99	641666	40	1	104	15.48
DFT-s-OFDM PI/2 BPSK	3624.99	641666	40	100	0	14.53
DFT-s-OFDM QPSK	3624.99	641666	40	50	25	20.38
DFT-s-OFDM QPSK	3624.99	641666	40	1	1	19.04
DFT-s-OFDM QPSK	3624.99	641666	40	1	104	19.02
DFT-s-OFDM QPSK	3624.99	641666	40	100	0	17.97
DFT-s-OFDM 16QAM	3624.99	641666	40	50	25	19.22
DFT-s-OFDM 16QAM	3624.99	641666	40	1	1	18.23
DFT-s-OFDM 16QAM	3624.99	641666	40	1	104	19.35
DFT-s-OFDM 16QAM	3624.99	641666	40	100	0	16.97
DFT-s-OFDM 64QAM	3624.99	641666	40	50	25	16.59
DFT-s-OFDM 64QAM	3624.99	641666	40	1	1	17.62
DFT-s-OFDM 64QAM	3624.99	641666	40	1	104	15.99
DFT-s-OFDM 64QAM	3624.99	641666	40	100	0	16.55
DFT-s-OFDM 256QAM	3624.99	641666	40	50	25	14.54
DFT-s-OFDM 256QAM	3624.99	641666	40	1	1	15.70
DFT-s-OFDM 256QAM	3624.99	641666	40	1	104	14.12
DFT-s-OFDM 256QAM	3624.99	641666	40	100	0	15.88
CP-OFDM QPSK	3624.99	641666	40	53	26	17.60
CP-OFDM QPSK	3624.99	641666	40	1	1	17.54
CP-OFDM QPSK	3624.99	641666	40	1	104	17.56
CP-OFDM QPSK	3624.99	641666	40	106	0	17.33
CP-OFDM 16QAM	3624.99	641666	40	53	26	17.04
CP-OFDM 16QAM	3624.99	641666	40	1	1	17.14
CP-OFDM 16QAM	3624.99	641666	40	1	104	17.03
CP-OFDM 16QAM	3624.99	641666	40	106	0	16.09
CP-OFDM 64QAM	3624.99	641666	40	53	26	16.92
CP-OFDM 64QAM	3624.99	641666	40	1	1	16.78
CP-OFDM 64QAM	3624.99	641666	40	1	104	16.48
CP-OFDM 64QAM	3624.99	641666	40	106	0	16.98
CP-OFDM 256QAM	3624.99	641666	40	53	26	12.47
CP-OFDM 256QAM	3624.99	641666	40	1	1	13.53
CP-OFDM 256QAM	3624.99	641666	40	1	104	13.43
CP-OFDM 256QAM	3624.99	641666	40	106	0	12.46
DFT-s-OFDM PI/2 BPSK	3679.98	645332	40	50	25	14.40
DFT-s-OFDM PI/2 BPSK	3679.98	645332	40	1	1	15.52
DFT-s-OFDM PI/2 BPSK	3679.98	645332	40	1	104	14.00
DFT-s-OFDM PI/2 BPSK	3679.98	645332	40	100	0	15.69
DFT-s-OFDM QPSK	3679.98	645332	40	50	25	18.93

DFT-s-OFDM QPSK	3679.98	645332	40	1	1	19.08
DFT-s-OFDM QPSK	3679.98	645332	40	1	104	18.85
DFT-s-OFDM QPSK	3679.98	645332	40	100	0	17.91
DFT-s-OFDM 16QAM	3679.98	645332	40	50	25	19.24
DFT-s-OFDM 16QAM	3679.98	645332	40	1	1	18.36
DFT-s-OFDM 16QAM	3679.98	645332	40	1	104	17.96
DFT-s-OFDM 16QAM	3679.98	645332	40	100	0	17.03
DFT-s-OFDM 64QAM	3679.98	645332	40	50	25	16.55
DFT-s-OFDM 64QAM	3679.98	645332	40	1	1	17.53
DFT-s-OFDM 64QAM	3679.98	645332	40	1	104	17.38
DFT-s-OFDM 64QAM	3679.98	645332	40	100	0	16.48
DFT-s-OFDM 256QAM	3679.98	645332	40	50	25	14.33
DFT-s-OFDM 256QAM	3679.98	645332	40	1	1	14.22
DFT-s-OFDM 256QAM	3679.98	645332	40	1	104	13.82
DFT-s-OFDM 256QAM	3679.98	645332	40	100	0	14.44
CP-OFDM QPSK	3679.98	645332	40	53	26	17.51
CP-OFDM QPSK	3679.98	645332	40	1	1	19.01
CP-OFDM QPSK	3679.98	645332	40	1	104	17.32
CP-OFDM QPSK	3679.98	645332	40	106	0	17.28
CP-OFDM 16QAM	3679.98	645332	40	53	26	18.27
CP-OFDM 16QAM	3679.98	645332	40	1	1	18.44
CP-OFDM 16QAM	3679.98	645332	40	1	104	16.88
CP-OFDM 16QAM	3679.98	645332	40	106	0	16.03
CP-OFDM 64QAM	3679.98	645332	40	53	26	16.91
CP-OFDM 64QAM	3679.98	645332	40	1	1	16.69
CP-OFDM 64QAM	3679.98	645332	40	1	104	15.14
CP-OFDM 64QAM	3679.98	645332	40	106	0	15.48
CP-OFDM 256QAM	3679.98	645332	40	53	26	12.33
CP-OFDM 256QAM	3679.98	645332	40	1	1	12.27
CP-OFDM 256QAM	3679.98	645332	40	1	104	13.29
CP-OFDM 256QAM	3679.98	645332	40	106	0	12.38

2 Occupied Bandwidth

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
CP-OFDM QPSK	3555	637000	10	24	0	8.580	Fig.1
CP-OFDM 16QAM	3555	637000	10	24	0	8.610	Fig.2
CP-OFDM 64QAM	3555	637000	10	24	0	8.600	Fig.3
CP-OFDM 256QAM	3555	637000	10	24	0	8.580	Fig.4
CP-OFDM QPSK	3624.99	641666	10	24	0	8.580	Fig.5
CP-OFDM 16QAM	3624.99	641666	10	24	0	8.600	Fig.6
CP-OFDM 64QAM	3624.99	641666	10	24	0	8.610	Fig.7
CP-OFDM 256QAM	3624.99	641666	10	24	0	8.580	Fig.8
CP-OFDM QPSK	3694.98	646332	10	24	0	8.570	Fig.9
CP-OFDM 16QAM	3694.98	646332	10	24	0	8.610	Fig.10
CP-OFDM 64QAM	3694.98	646332	10	24	0	8.600	Fig.11
CP-OFDM 256QAM	3694.98	646332	10	24	0	8.580	Fig.12
CP-OFDM QPSK	3560.01	637334	20	51	0	18.250	Fig.13
CP-OFDM 16QAM	3560.01	637334	20	51	0	18.250	Fig.14
CP-OFDM 64QAM	3560.01	637334	20	51	0	18.200	Fig.15
CP-OFDM 256QAM	3560.01	637334	20	51	0	18.270	Fig.16
CP-OFDM QPSK	3624.99	641666	20	51	0	18.240	Fig.17
CP-OFDM 16QAM	3624.99	641666	20	51	0	18.240	Fig.18
CP-OFDM 64QAM	3624.99	641666	20	51	0	18.200	Fig.19
CP-OFDM 256QAM	3624.99	641666	20	51	0	18.260	Fig.20
CP-OFDM QPSK	3690	646000	20	51	0	18.230	Fig.21
CP-OFDM 16QAM	3690	646000	20	51	0	18.260	Fig.22
CP-OFDM 64QAM	3690	646000	20	51	0	18.200	Fig.23
CP-OFDM 256QAM	3690	646000	20	51	0	18.260	Fig.24
CP-OFDM QPSK	3565.02	637668	30	78	0	27.880	Fig.25
CP-OFDM 16QAM	3565.02	637668	30	78	0	27.880	Fig.26
CP-OFDM 64QAM	3565.02	637668	30	78	0	27.850	Fig.27
CP-OFDM 256QAM	3565.02	637668	30	78	0	27.840	Fig.28
CP-OFDM QPSK	3624.99	641666	30	78	0	27.880	Fig.29
CP-OFDM 16QAM	3624.99	641666	30	78	0	27.840	Fig.30
CP-OFDM 64QAM	3624.99	641666	30	78	0	27.850	Fig.31
CP-OFDM 256QAM	3624.99	641666	30	78	0	27.870	Fig.32
CP-OFDM QPSK	3684.99	645666	30	78	0	27.910	Fig.33
CP-OFDM 16QAM	3684.99	645666	30	78	0	27.890	Fig.34
CP-OFDM 64QAM	3684.99	645666	30	78	0	27.890	Fig.35
CP-OFDM 256QAM	3684.99	645666	30	78	0	27.930	Fig.36
CP-OFDM QPSK	3570	638000	40	106	0	38.180	Fig.37
CP-OFDM 16QAM	3570	638000	40	106	0	38.200	Fig.38
CP-OFDM 64QAM	3570	638000	40	106	0	38.270	Fig.39
CP-OFDM 256QAM	3570	638000	40	106	0	38.220	Fig.40
CP-OFDM QPSK	3624.99	641666	40	106	0	38.100	Fig.41
CP-OFDM 16QAM	3624.99	641666	40	106	0	38.140	Fig.42
CP-OFDM 64QAM	3624.99	641666	40	106	0	38.170	Fig.43

CP-OFDM 256QAM	3624.99	641666	40	106	0	38.150	Fig.44
CP-OFDM QPSK	3679.98	645332	40	106	0	38.230	Fig.45
CP-OFDM 16QAM	3679.98	645332	40	106	0	38.220	Fig.46
CP-OFDM 64QAM	3679.98	645332	40	106	0	38.260	Fig.47
CP-OFDM 256QAM	3679.98	645332	40	106	0	38.240	Fig.48

Test Plot:

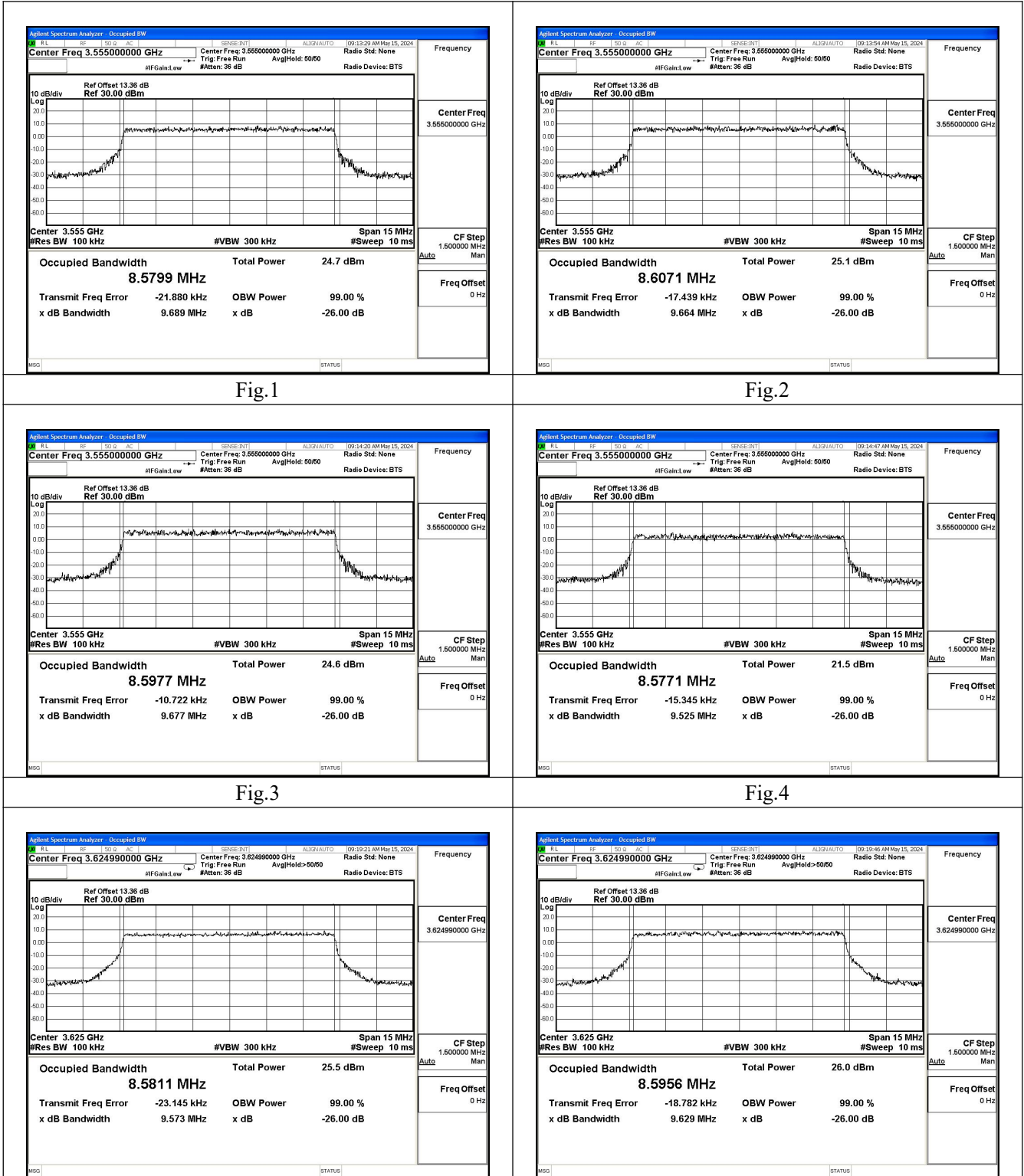


Fig.5

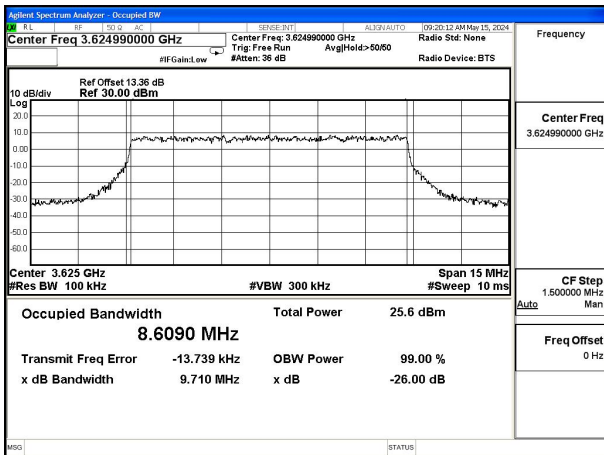


Fig.6

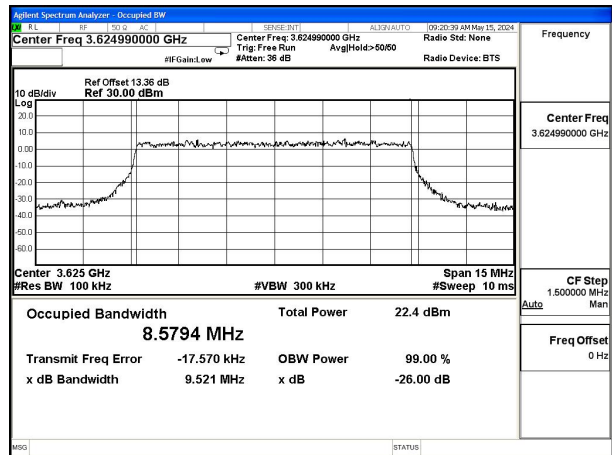


Fig.7

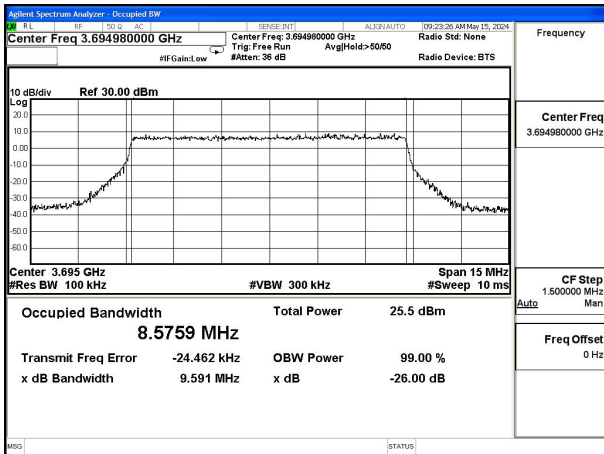


Fig.8

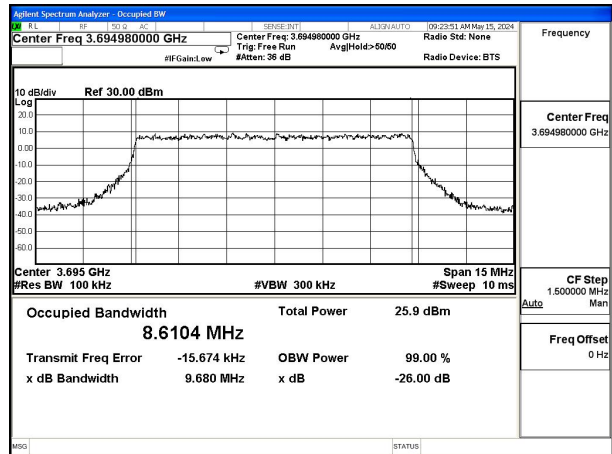


Fig.9

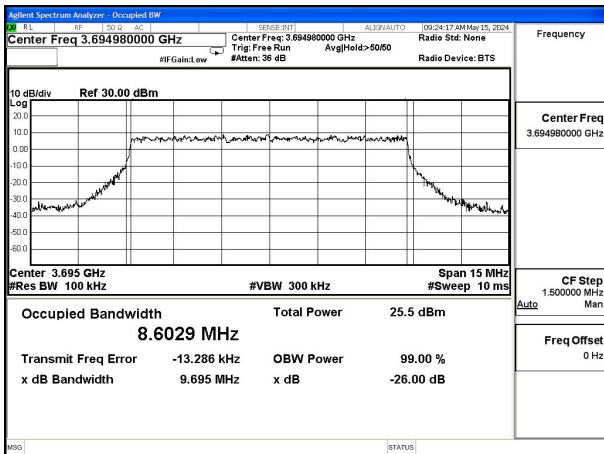


Fig.10

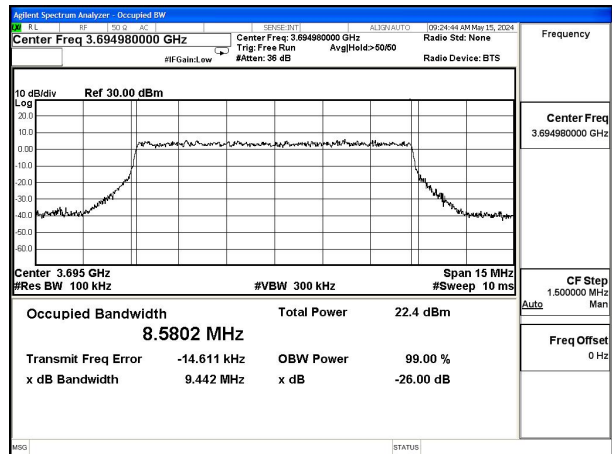


Fig.11

Fig.12

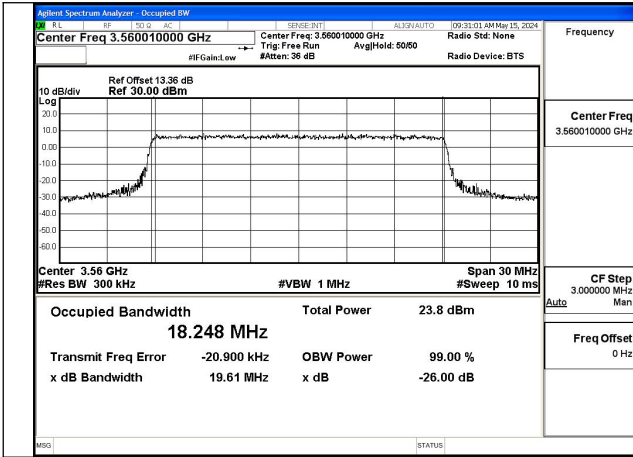


Fig.13

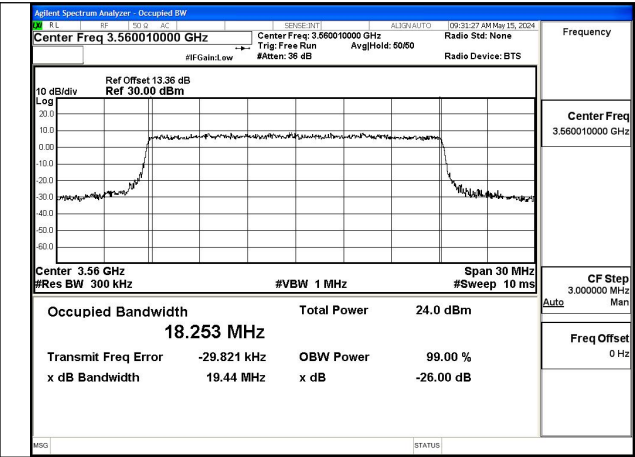


Fig.14

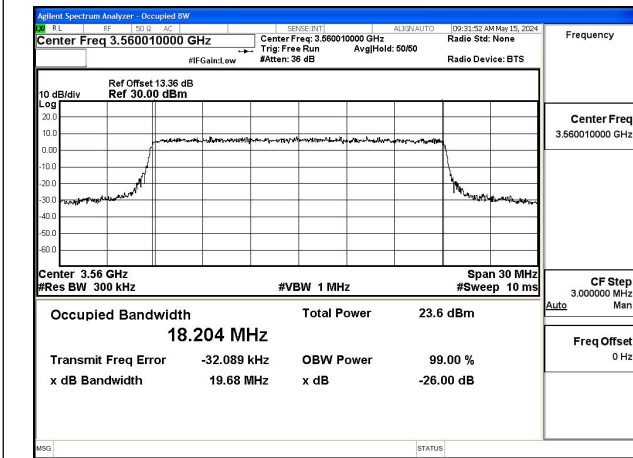


Fig.15

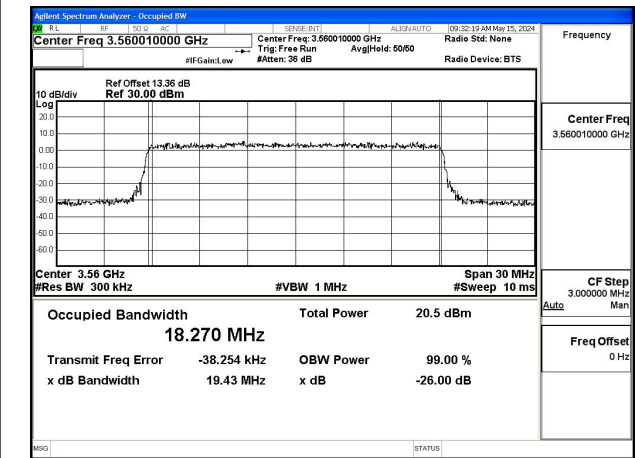


Fig.16

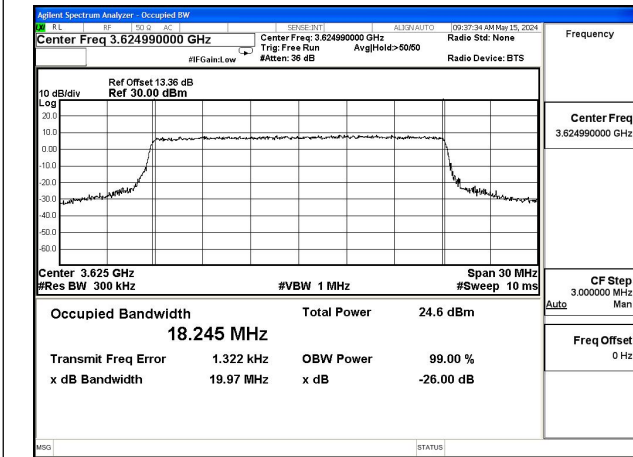


Fig.17

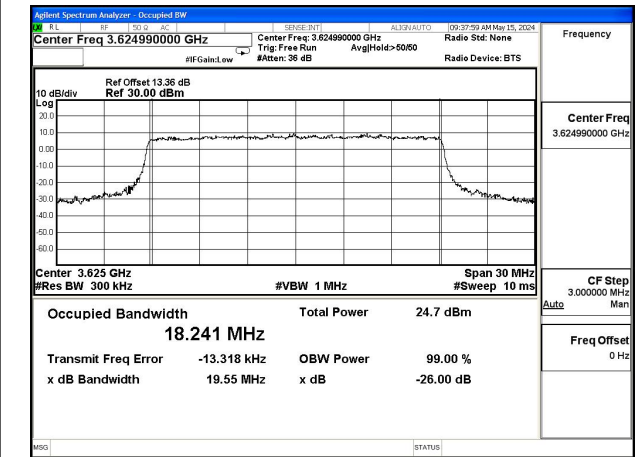


Fig.18

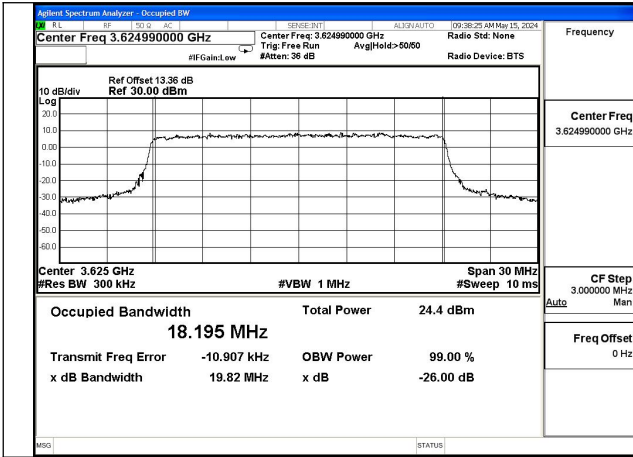


Fig.19

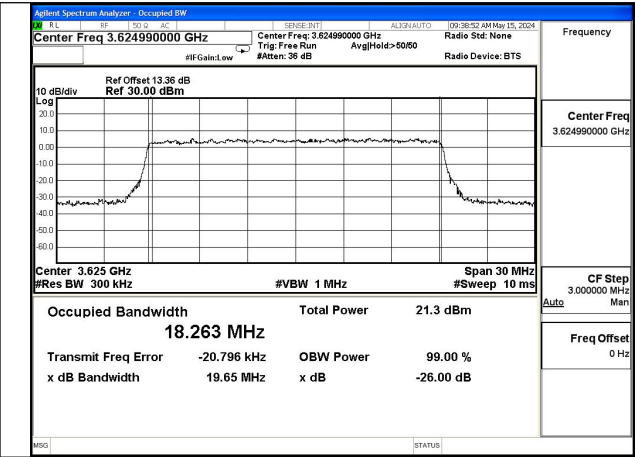


Fig.20

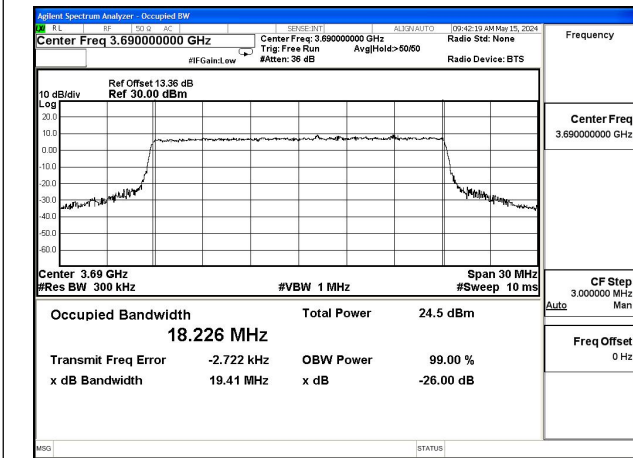


Fig.21

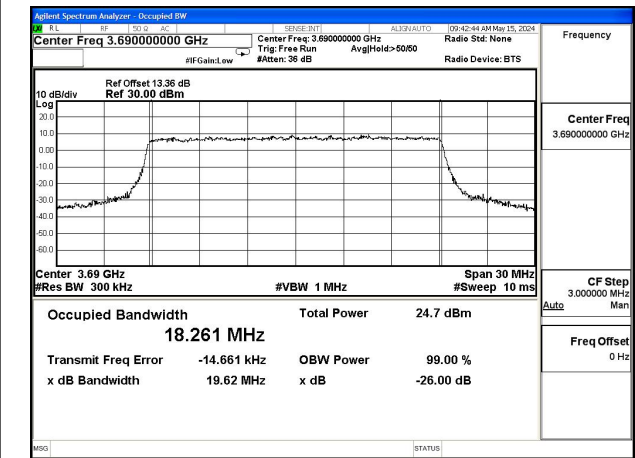


Fig.22

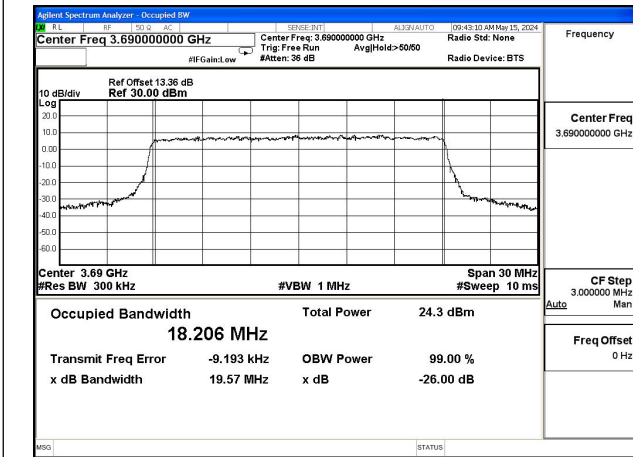


Fig.23

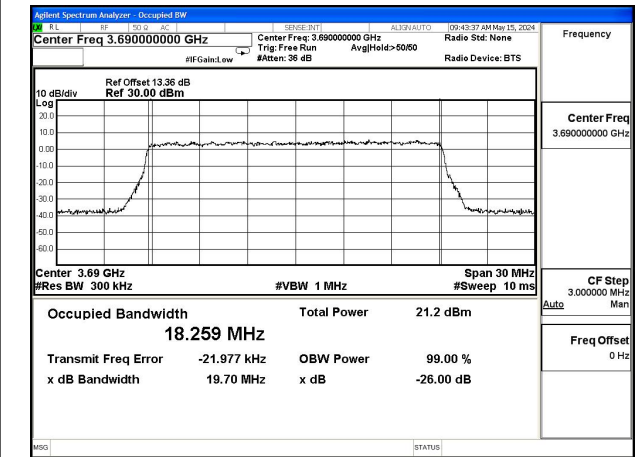


Fig.24

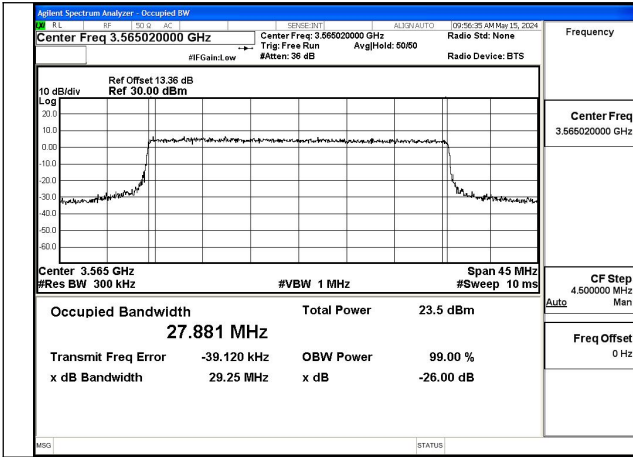


Fig.25

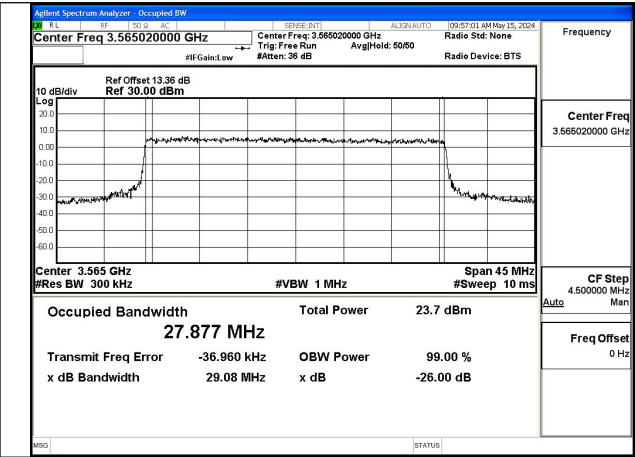


Fig.26

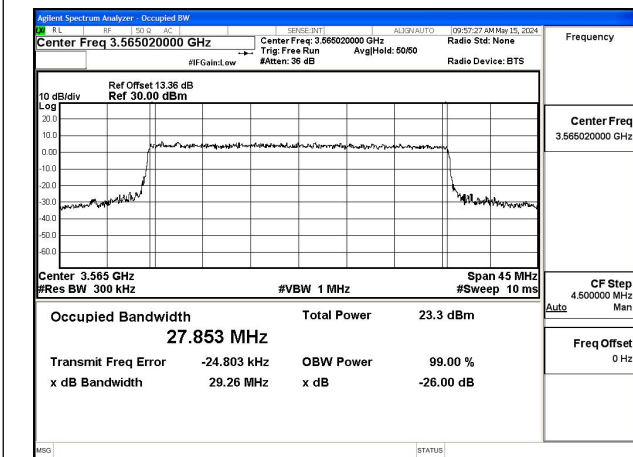


Fig.27

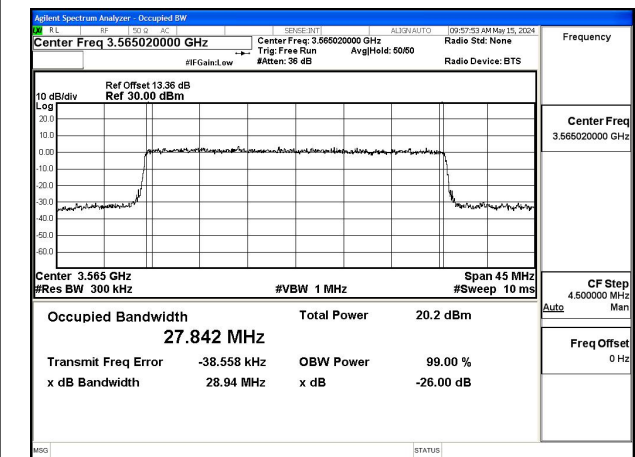


Fig.28

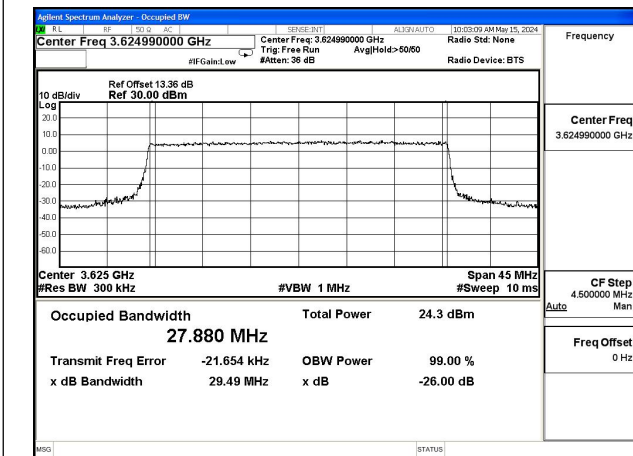


Fig.29

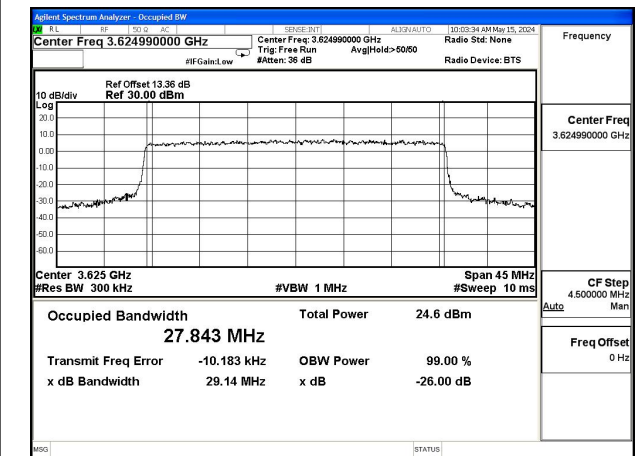


Fig.30

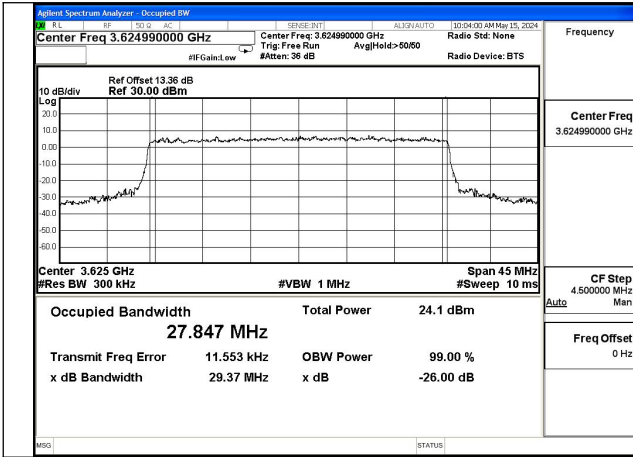


Fig.31

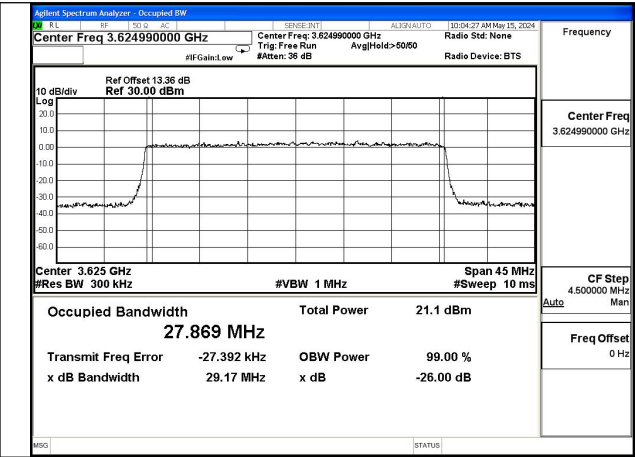


Fig.32

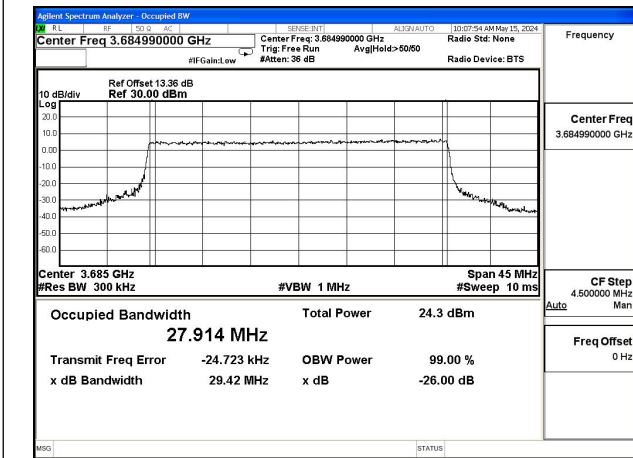


Fig.33

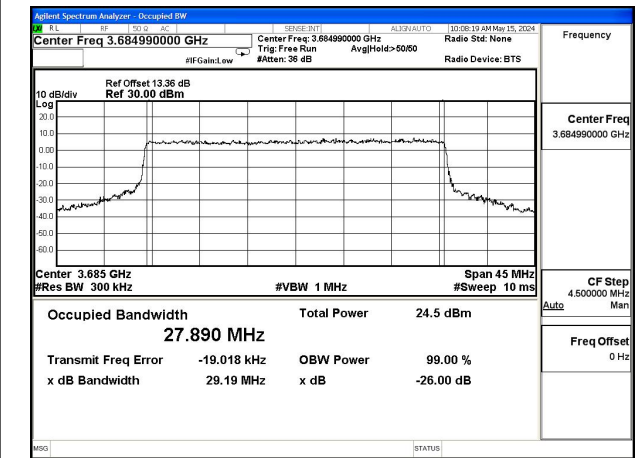


Fig.34

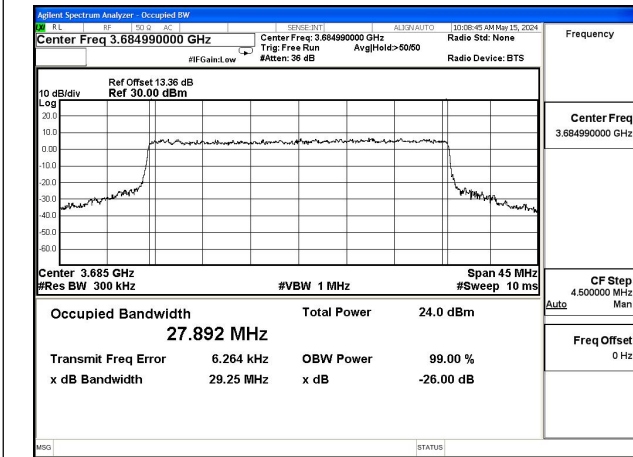


Fig.35

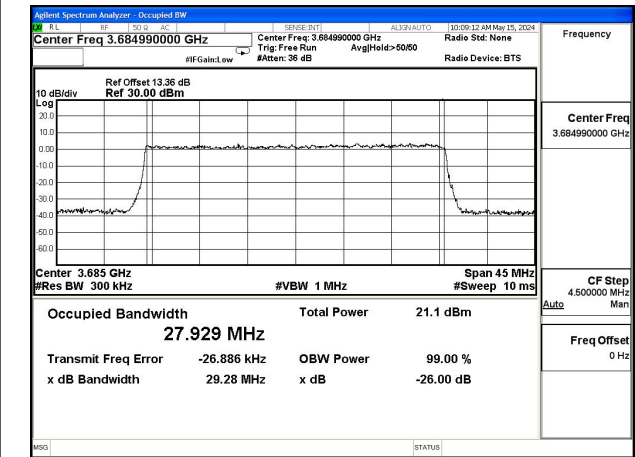


Fig.36

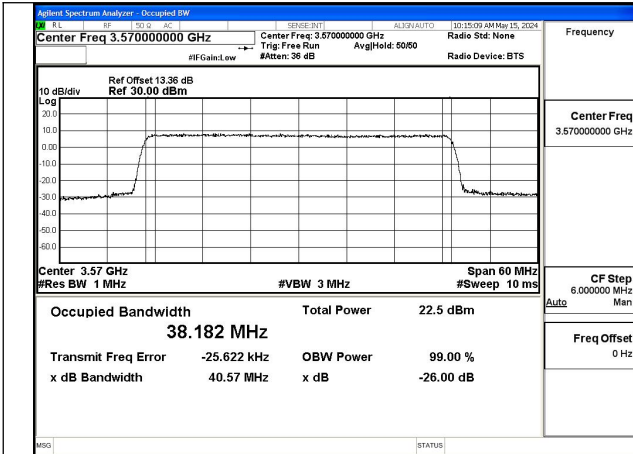


Fig.37

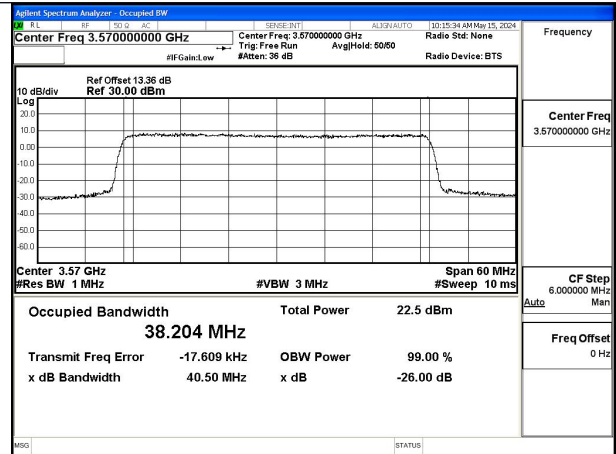


Fig.38

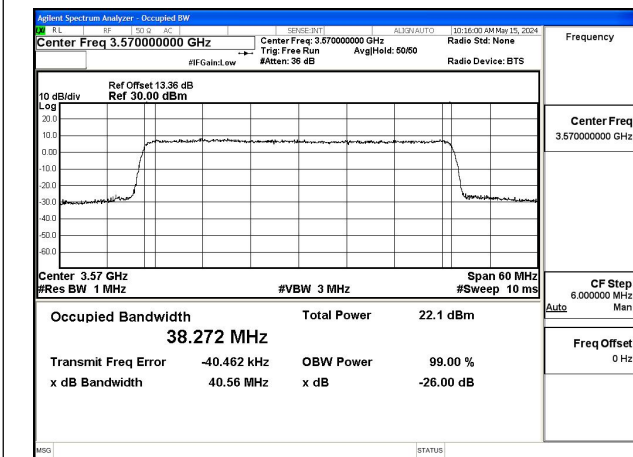


Fig.39

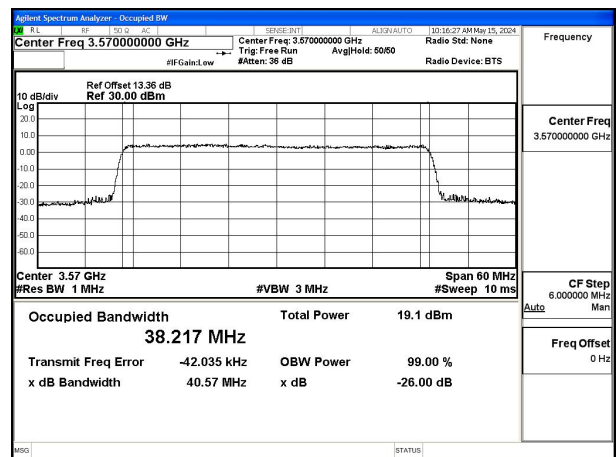


Fig.40

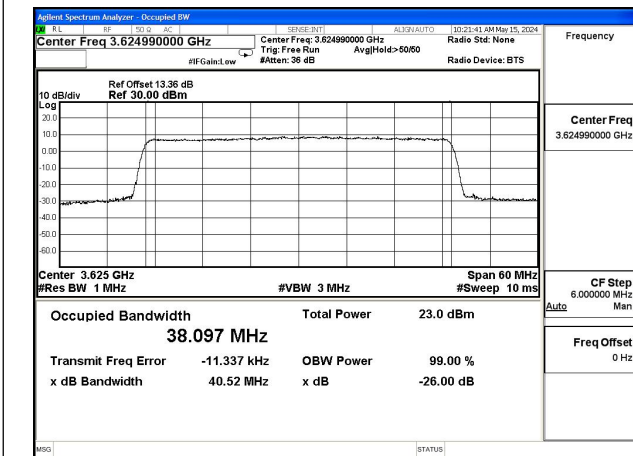


Fig.41

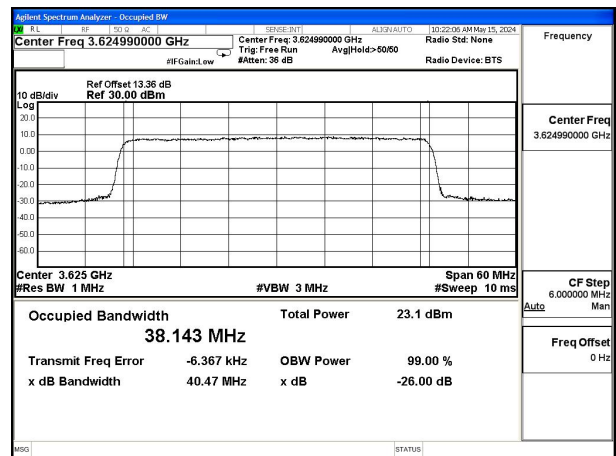


Fig.42