

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 48

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3552.5	55265	5	1	0	24.25
QPSK	3552.5	55265	5	1	12	23.99
QPSK	3552.5	55265	5	1	24	23.23
QPSK	3552.5	55265	5	12	0	23.21
QPSK	3552.5	55265	5	12	7	22.90
QPSK	3552.5	55265	5	12	13	22.61
QPSK	3552.5	55265	5	25	0	22.90
QPSK	3625	55990	5	1	0	21.47
QPSK	3625	55990	5	1	12	21.02
QPSK	3625	55990	5	1	24	20.15
QPSK	3625	55990	5	12	0	20.00
QPSK	3625	55990	5	12	7	19.74
QPSK	3625	55990	5	12	13	19.38
QPSK	3625	55990	5	25	0	19.78
QPSK	3697.5	56715	5	1	0	18.70
QPSK	3697.5	56715	5	1	12	18.42
QPSK	3697.5	56715	5	1	24	18.87
QPSK	3697.5	56715	5	12	0	17.48
QPSK	3697.5	56715	5	12	7	17.42
QPSK	3697.5	56715	5	12	13	17.50
QPSK	3697.5	56715	5	25	0	17.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3552.5	55265	5	1	0	23.68
16QAM	3552.5	55265	5	1	12	23.10
16QAM	3552.5	55265	5	1	24	22.60
16QAM	3552.5	55265	5	12	0	22.26
16QAM	3552.5	55265	5	12	7	21.99
16QAM	3552.5	55265	5	12	13	21.48
16QAM	3552.5	55265	5	25	0	21.82
16QAM	3625	55990	5	1	0	20.26
16QAM	3625	55990	5	1	12	20.09
16QAM	3625	55990	5	1	24	19.02
16QAM	3625	55990	5	12	0	18.99
16QAM	3625	55990	5	12	7	18.80
16QAM	3625	55990	5	12	13	18.38
16QAM	3625	55990	5	25	0	18.86
16QAM	3697.5	56715	5	1	0	18.10
16QAM	3697.5	56715	5	1	12	18.03
16QAM	3697.5	56715	5	1	24	17.91
16QAM	3697.5	56715	5	12	0	16.38
16QAM	3697.5	56715	5	12	7	16.45
16QAM	3697.5	56715	5	12	13	16.52
16QAM	3697.5	56715	5	25	0	16.54
64QAM	3552.5	55265	5	1	0	23.64
64QAM	3552.5	55265	5	1	12	23.04
64QAM	3552.5	55265	5	1	24	22.63
64QAM	3552.5	55265	5	12	0	22.28
64QAM	3552.5	55265	5	12	7	21.95
64QAM	3552.5	55265	5	12	13	21.52
64QAM	3552.5	55265	5	25	0	21.97
64QAM	3625	55990	5	1	0	19.20
64QAM	3625	55990	5	1	12	18.79
64QAM	3625	55990	5	1	24	17.95
64QAM	3625	55990	5	12	0	18.10
64QAM	3625	55990	5	12	7	17.83
64QAM	3625	55990	5	12	13	17.43
64QAM	3625	55990	5	25	0	17.72
64QAM	3697.5	56715	5	1	0	16.69
64QAM	3697.5	56715	5	1	12	16.59
64QAM	3697.5	56715	5	1	24	16.90
64QAM	3697.5	56715	5	12	0	15.38
64QAM	3697.5	56715	5	12	7	15.38
64QAM	3697.5	56715	5	12	13	15.42
64QAM	3697.5	56715	5	25	0	15.43
256QAM	3552.5	55265	5	1	0	19.94

256QAM	3552.5	55265	5	1	12	19.09
256QAM	3552.5	55265	5	1	24	18.40
256QAM	3552.5	55265	5	12	0	19.19
256QAM	3552.5	55265	5	12	7	18.91
256QAM	3552.5	55265	5	12	13	18.55
256QAM	3552.5	55265	5	25	0	18.93
256QAM	3625	55990	5	1	0	16.20
256QAM	3625	55990	5	1	12	16.34
256QAM	3625	55990	5	1	24	14.84
256QAM	3625	55990	5	12	0	16.09
256QAM	3625	55990	5	12	7	15.72
256QAM	3625	55990	5	12	13	15.28
256QAM	3625	55990	5	25	0	15.75
256QAM	3697.5	56715	5	1	0	13.73
256QAM	3697.5	56715	5	1	12	13.80
256QAM	3697.5	56715	5	1	24	13.82
256QAM	3697.5	56715	5	12	0	13.67
256QAM	3697.5	56715	5	12	7	13.51
256QAM	3697.5	56715	5	12	13	13.63
256QAM	3697.5	56715	5	25	0	13.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3555	55290	10	1	0	24.66
QPSK	3555	55290	10	1	25	23.35
QPSK	3555	55290	10	1	49	21.66
QPSK	3555	55290	10	25	0	22.89
QPSK	3555	55290	10	25	12	22.31
QPSK	3555	55290	10	25	25	21.55
QPSK	3555	55290	10	50	0	22.19
QPSK	3625	55990	10	1	0	22.31
QPSK	3625	55990	10	1	25	21.03
QPSK	3625	55990	10	1	49	19.43
QPSK	3625	55990	10	25	0	20.55
QPSK	3625	55990	10	25	12	19.88
QPSK	3625	55990	10	25	25	19.13
QPSK	3625	55990	10	50	0	19.89
QPSK	3695	56690	10	1	0	20.23
QPSK	3695	56690	10	1	25	18.87
QPSK	3695	56690	10	1	49	18.76
QPSK	3695	56690	10	25	0	18.26
QPSK	3695	56690	10	25	12	17.81
QPSK	3695	56690	10	25	25	17.51
QPSK	3695	56690	10	50	0	17.91

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3555	55290	10	1	0	23.85
16QAM	3555	55290	10	1	25	22.42
16QAM	3555	55290	10	1	49	21.15
16QAM	3555	55290	10	25	0	21.96
16QAM	3555	55290	10	25	12	21.26
16QAM	3555	55290	10	25	25	20.56
16QAM	3555	55290	10	50	0	21.35
16QAM	3625	55990	10	1	0	21.34
16QAM	3625	55990	10	1	25	20.27
16QAM	3625	55990	10	1	49	18.80
16QAM	3625	55990	10	25	0	19.53
16QAM	3625	55990	10	25	12	18.93
16QAM	3625	55990	10	25	25	18.16
16QAM	3625	55990	10	50	0	18.83
16QAM	3695	56690	10	1	0	19.34
16QAM	3695	56690	10	1	25	17.91
16QAM	3695	56690	10	1	49	17.92
16QAM	3695	56690	10	25	0	17.51
16QAM	3695	56690	10	25	12	16.81
16QAM	3695	56690	10	25	25	16.49
16QAM	3695	56690	10	50	0	17.02
64QAM	3555	55290	10	1	0	23.16
64QAM	3555	55290	10	1	25	21.94
64QAM	3555	55290	10	1	49	19.98
64QAM	3555	55290	10	25	0	20.97
64QAM	3555	55290	10	25	12	20.32
64QAM	3555	55290	10	25	25	19.58
64QAM	3555	55290	10	50	0	20.35
64QAM	3625	55990	10	1	0	20.87
64QAM	3625	55990	10	1	25	18.76
64QAM	3625	55990	10	1	49	17.14
64QAM	3625	55990	10	25	0	18.54
64QAM	3625	55990	10	25	12	17.91
64QAM	3625	55990	10	25	25	17.18
64QAM	3625	55990	10	50	0	17.83
64QAM	3695	56690	10	1	0	18.57
64QAM	3695	56690	10	1	25	16.71
64QAM	3695	56690	10	1	49	16.45
64QAM	3695	56690	10	25	0	16.34
64QAM	3695	56690	10	25	12	15.80
64QAM	3695	56690	10	25	25	15.61
64QAM	3695	56690	10	50	0	16.02
256QAM	3555	55290	10	1	0	19.79

256QAM	3555	55290	10	1	25	18.01
256QAM	3555	55290	10	1	49	16.82
256QAM	3555	55290	10	25	0	18.96
256QAM	3555	55290	10	25	12	18.32
256QAM	3555	55290	10	25	25	17.58
256QAM	3555	55290	10	50	0	18.33
256QAM	3625	55990	10	1	0	17.42
256QAM	3625	55990	10	1	25	16.07
256QAM	3625	55990	10	1	49	14.16
256QAM	3625	55990	10	25	0	16.57
256QAM	3625	55990	10	25	12	15.90
256QAM	3625	55990	10	25	25	15.00
256QAM	3625	55990	10	50	0	15.89
256QAM	3695	56690	10	1	0	15.30
256QAM	3695	56690	10	1	25	14.05
256QAM	3695	56690	10	1	49	13.78
256QAM	3695	56690	10	25	0	14.33
256QAM	3695	56690	10	25	12	13.70
256QAM	3695	56690	10	25	25	13.48
256QAM	3695	56690	10	50	0	13.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3557.5	55315	15	1	0	24.17
QPSK	3557.5	55315	15	1	37	21.94
QPSK	3557.5	55315	15	1	74	19.57
QPSK	3557.5	55315	15	36	0	22.10
QPSK	3557.5	55315	15	36	29	20.60
QPSK	3557.5	55315	15	36	30	20.51
QPSK	3557.5	55315	15	75	0	21.30
QPSK	3625	55990	15	1	0	22.44
QPSK	3625	55990	15	1	37	20.58
QPSK	3625	55990	15	1	74	18.94
QPSK	3625	55990	15	36	0	20.67
QPSK	3625	55990	15	36	29	19.11
QPSK	3625	55990	15	36	30	19.06
QPSK	3625	55990	15	75	0	19.83
QPSK	3692.5	56665	15	1	0	21.99
QPSK	3692.5	56665	15	1	37	19.59
QPSK	3692.5	56665	15	1	74	18.81
QPSK	3692.5	56665	15	36	0	19.48
QPSK	3692.5	56665	15	36	29	17.86
QPSK	3692.5	56665	15	36	30	17.80
QPSK	3692.5	56665	15	75	0	18.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3557.5	55315	15	1	0	23.52
16QAM	3557.5	55315	15	1	37	21.41
16QAM	3557.5	55315	15	1	74	19.09
16QAM	3557.5	55315	15	36	0	21.23
16QAM	3557.5	55315	15	36	29	19.60
16QAM	3557.5	55315	15	36	30	19.57
16QAM	3557.5	55315	15	75	0	20.37
16QAM	3625	55990	15	1	0	21.84
16QAM	3625	55990	15	1	37	19.28
16QAM	3625	55990	15	1	74	17.58
16QAM	3625	55990	15	36	0	19.75
16QAM	3625	55990	15	36	29	18.11
16QAM	3625	55990	15	36	30	17.98
16QAM	3625	55990	15	75	0	18.71
16QAM	3692.5	56665	15	1	0	20.87
16QAM	3692.5	56665	15	1	37	18.31
16QAM	3692.5	56665	15	1	74	17.39
16QAM	3692.5	56665	15	36	0	18.32
16QAM	3692.5	56665	15	36	29	16.80
16QAM	3692.5	56665	15	36	30	16.89
16QAM	3692.5	56665	15	75	0	17.52
64QAM	3557.5	55315	15	1	0	23.26
64QAM	3557.5	55315	15	1	37	21.13
64QAM	3557.5	55315	15	1	74	18.51
64QAM	3557.5	55315	15	36	0	21.28
64QAM	3557.5	55315	15	36	29	19.66
64QAM	3557.5	55315	15	36	30	19.55
64QAM	3557.5	55315	15	75	0	20.24
64QAM	3625	55990	15	1	0	20.77
64QAM	3625	55990	15	1	37	18.85
64QAM	3625	55990	15	1	74	16.69
64QAM	3625	55990	15	36	0	18.77
64QAM	3625	55990	15	36	29	17.14
64QAM	3625	55990	15	36	30	16.88
64QAM	3625	55990	15	75	0	17.72
64QAM	3692.5	56665	15	1	0	19.53
64QAM	3692.5	56665	15	1	37	17.35
64QAM	3692.5	56665	15	1	74	16.80
64QAM	3692.5	56665	15	36	0	17.49
64QAM	3692.5	56665	15	36	29	15.95
64QAM	3692.5	56665	15	36	30	15.85
64QAM	3692.5	56665	15	75	0	16.59
256QAM	3557.5	55315	15	1	0	18.85

256QAM	3557.5	55315	15	1	37	17.45
256QAM	3557.5	55315	15	1	74	15.06
256QAM	3557.5	55315	15	36	0	18.20
256QAM	3557.5	55315	15	36	29	16.49
256QAM	3557.5	55315	15	36	30	16.58
256QAM	3557.5	55315	15	75	0	17.44
256QAM	3625	55990	15	1	0	17.85
256QAM	3625	55990	15	1	37	15.95
256QAM	3625	55990	15	1	74	14.04
256QAM	3625	55990	15	36	0	16.66
256QAM	3625	55990	15	36	29	15.09
256QAM	3625	55990	15	36	30	14.99
256QAM	3625	55990	15	75	0	15.68
256QAM	3692.5	56665	15	1	0	16.79
256QAM	3692.5	56665	15	1	37	14.13
256QAM	3692.5	56665	15	1	74	13.72
256QAM	3692.5	56665	15	36	0	15.36
256QAM	3692.5	56665	15	36	29	13.85
256QAM	3692.5	56665	15	36	30	13.82
256QAM	3692.5	56665	15	75	0	14.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3560	55340	20	1	0	24.00
QPSK	3560	55340	20	1	49	21.22
QPSK	3560	55340	20	1	99	18.30
QPSK	3560	55340	20	50	0	21.89
QPSK	3560	55340	20	50	24	20.53
QPSK	3560	55340	20	50	50	18.80
QPSK	3560	55340	20	100	0	20.63
QPSK	3625	55990	20	1	0	22.86
QPSK	3625	55990	20	1	49	20.75
QPSK	3625	55990	20	1	99	18.20
QPSK	3625	55990	20	50	0	20.94
QPSK	3625	55990	20	50	24	19.81
QPSK	3625	55990	20	50	50	18.31
QPSK	3625	55990	20	100	0	19.88
QPSK	3690	56640	20	1	0	22.96
QPSK	3690	56640	20	1	49	20.59
QPSK	3690	56640	20	1	99	18.79
QPSK	3690	56640	20	50	0	20.77
QPSK	3690	56640	20	50	24	19.40
QPSK	3690	56640	20	50	50	18.02
QPSK	3690	56640	20	100	0	19.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3560	55340	20	1	0	23.18
16QAM	3560	55340	20	1	49	20.68
16QAM	3560	55340	20	1	99	17.80
16QAM	3560	55340	20	50	0	20.87
16QAM	3560	55340	20	50	24	19.52
16QAM	3560	55340	20	50	50	17.77
16QAM	3560	55340	20	100	0	19.49
16QAM	3625	55990	20	1	0	22.46
16QAM	3625	55990	20	1	49	19.86
16QAM	3625	55990	20	1	99	17.53
16QAM	3625	55990	20	50	0	19.95
16QAM	3625	55990	20	50	24	18.77
16QAM	3625	55990	20	50	50	17.39
16QAM	3625	55990	20	100	0	18.83
16QAM	3690	56640	20	1	0	22.16
16QAM	3690	56640	20	1	49	19.65
16QAM	3690	56640	20	1	99	17.45
16QAM	3690	56640	20	50	0	19.83
16QAM	3690	56640	20	50	24	18.37
16QAM	3690	56640	20	50	50	17.64
16QAM	3690	56640	20	100	0	18.64
64QAM	3560	55340	20	1	0	22.78
64QAM	3560	55340	20	1	49	20.36
64QAM	3560	55340	20	1	99	17.03
64QAM	3560	55340	20	50	0	20.84
64QAM	3560	55340	20	50	24	19.48
64QAM	3560	55340	20	50	50	17.84
64QAM	3560	55340	20	100	0	19.45
64QAM	3625	55990	20	1	0	22.43
64QAM	3625	55990	20	1	49	19.67
64QAM	3625	55990	20	1	99	17.17
64QAM	3625	55990	20	50	0	20.11
64QAM	3625	55990	20	50	24	18.76
64QAM	3625	55990	20	50	50	17.44
64QAM	3625	55990	20	100	0	18.79
64QAM	3690	56640	20	1	0	20.53
64QAM	3690	56640	20	1	49	17.22
64QAM	3690	56640	20	1	99	22.52
64QAM	3690	56640	20	50	0	18.01
64QAM	3690	56640	20	50	24	19.41
64QAM	3690	56640	20	50	50	20.77
64QAM	3690	56640	20	100	0	19.04
256QAM	3560	55340	20	1	0	19.15

256QAM	3560	55340	20	1	49	13.68
256QAM	3560	55340	20	1	99	13.32
256QAM	3560	55340	20	50	0	17.90
256QAM	3560	55340	20	50	24	16.46
256QAM	3560	55340	20	50	50	14.85
256QAM	3560	55340	20	100	0	16.54
256QAM	3625	55990	20	1	0	17.97
256QAM	3625	55990	20	1	49	15.87
256QAM	3625	55990	20	1	99	13.20
256QAM	3625	55990	20	50	0	17.06
256QAM	3625	55990	20	50	24	15.70
256QAM	3625	55990	20	50	50	14.36
256QAM	3625	55990	20	100	0	15.74
256QAM	3690	56640	20	1	0	14.29
256QAM	3690	56640	20	1	49	18.10
256QAM	3690	56640	20	1	99	20.30
256QAM	3690	56640	20	50	0	17.37
256QAM	3690	56640	20	50	24	18.56
256QAM	3690	56640	20	50	50	19.71
256QAM	3690	56640	20	100	0	18.61

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	QPSK	3552.5	55265	5	25	0	4.388	Fig.1
48	QPSK	3625	55990	5	25	0	4.475	Fig.2
48	QPSK	3697.5	56715	5	25	0	4.487	Fig.3
48	QPSK	3555	55290	10	50	0	8.816	Fig.4
48	QPSK	3625	55990	10	50	0	8.931	Fig.5
48	QPSK	3695	56690	10	50	0	8.931	Fig.6
48	QPSK	3557.5	55315	15	75	0	13.343	Fig.7
48	QPSK	3625	55990	15	75	0	13.445	Fig.8
48	QPSK	3692.5	56665	15	75	0	13.354	Fig.9
48	QPSK	3560	55340	20	100	0	17.754	Fig.10
48	QPSK	3625	55990	20	100	0	17.916	Fig.11
48	QPSK	3690	56640	20	100	0	17.766	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	16QAM	3552.5	55265	5	25	0	4.437	Fig.13
48	16QAM	3625	55990	5	25	0	4.473	Fig.14
48	16QAM	3697.5	56715	5	25	0	4.474	Fig.15
48	16QAM	3555	55290	10	50	0	8.934	Fig.16
48	16QAM	3625	55990	10	50	0	8.913	Fig.17
48	16QAM	3695	56690	10	50	0	8.859	Fig.18
48	16QAM	3557.5	55315	15	75	0	13.347	Fig.19
48	16QAM	3625	55990	15	75	0	13.397	Fig.20
48	16QAM	3692.5	56665	15	75	0	13.284	Fig.21
48	16QAM	3560	55340	20	100	0	17.838	Fig.22
48	16QAM	3625	55990	20	100	0	17.762	Fig.23
48	16QAM	3690	56640	20	100	0	17.831	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	64QAM	3552.5	55265	5	25	0	4.417	Fig.25
48	64QAM	3625	55990	5	25	0	4.463	Fig.26
48	64QAM	3697.5	56715	5	25	0	4.474	Fig.27
48	64QAM	3555	55290	10	50	0	8.950	Fig.28
48	64QAM	3625	55990	10	50	0	8.916	Fig.29
48	64QAM	3695	56690	10	50	0	8.916	Fig.30
48	64QAM	3557.5	55315	15	75	0	13.268	Fig.31
48	64QAM	3625	55990	15	75	0	13.341	Fig.32
48	64QAM	3692.5	56665	15	75	0	13.381	Fig.33
48	64QAM	3560	55340	20	100	0	17.847	Fig.34
48	64QAM	3625	55990	20	100	0	17.870	Fig.35

48	64QAM	3690	56640	20	100	0	17.753	Fig.36
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Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	256QAM	3552.5	55265	5	25	0	4.430	Fig.37
48	256QAM	3625	55990	5	25	0	4.437	Fig.38
48	256QAM	3697.5	56715	5	25	0	4.448	Fig.39
48	256QAM	3555	55290	10	50	0	8.876	Fig.40
48	256QAM	3625	55990	10	50	0	8.861	Fig.41
48	256QAM	3695	56690	10	50	0	8.930	Fig.42
48	256QAM	3557.5	55315	15	75	0	13.208	Fig.43
48	256QAM	3625	55990	15	75	0	13.395	Fig.44
48	256QAM	3692.5	56665	15	75	0	13.408	Fig.45
48	256QAM	3560	55340	20	100	0	17.798	Fig.46
48	256QAM	3625	55990	20	100	0	17.815	Fig.47
48	256QAM	3690	56640	20	100	0	17.781	Fig.48

Test Mode: QPSK

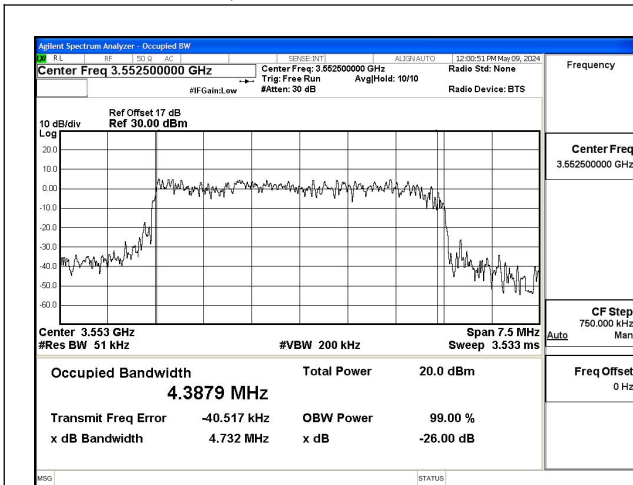


Fig.1

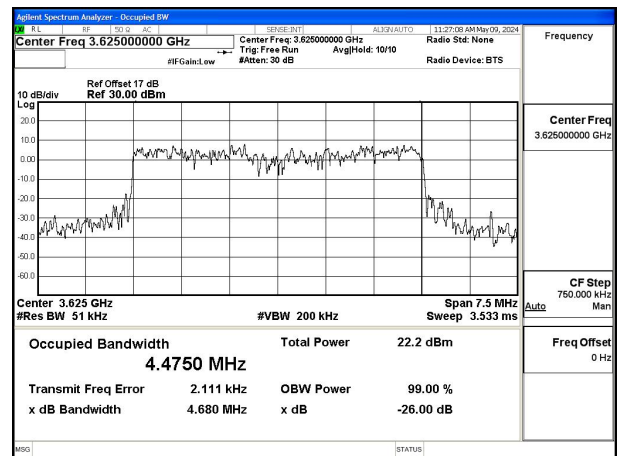


Fig.2

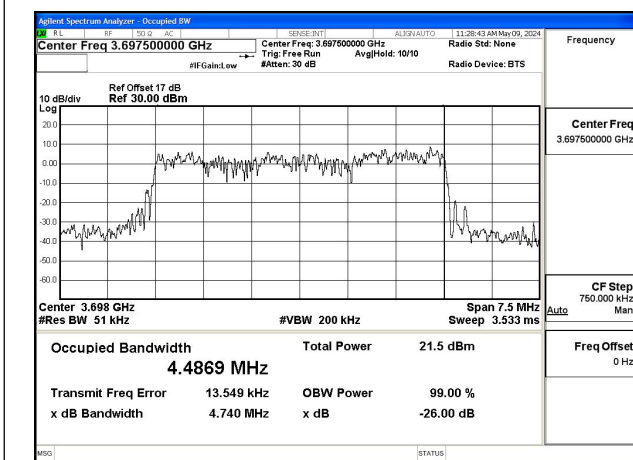


Fig.3

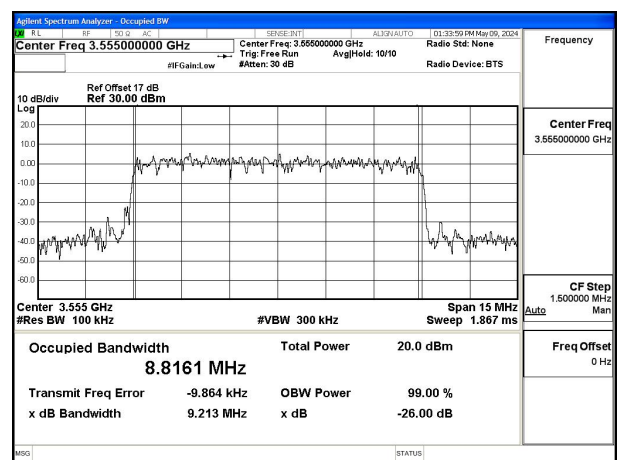


Fig.4

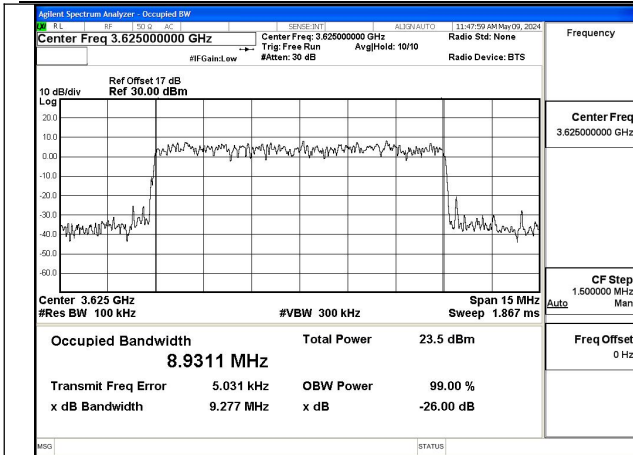


Fig.5

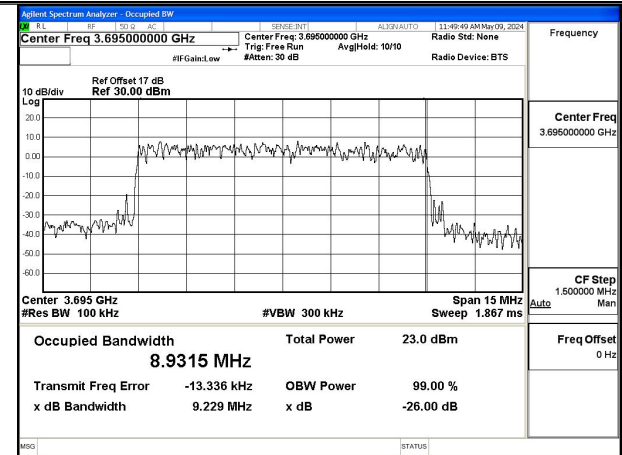


Fig.6

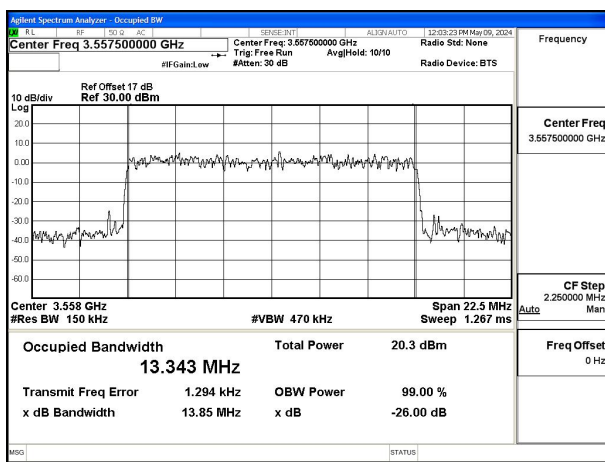


Fig.7

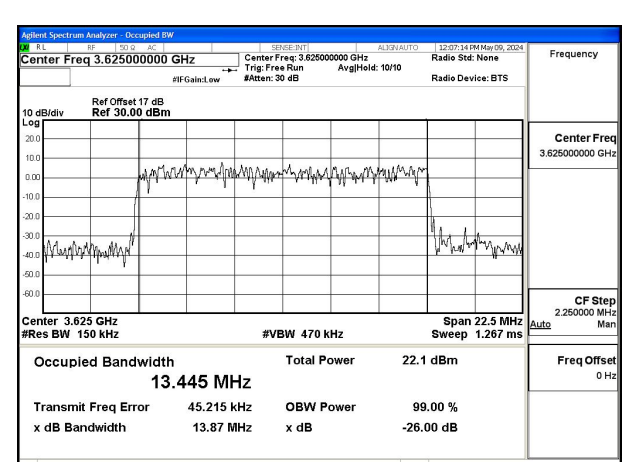


Fig.8

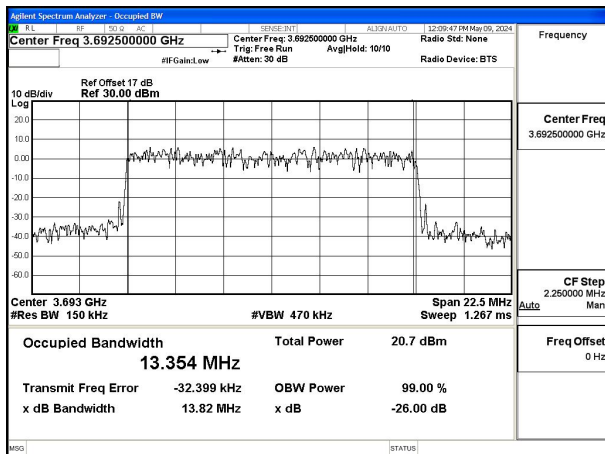


Fig.9

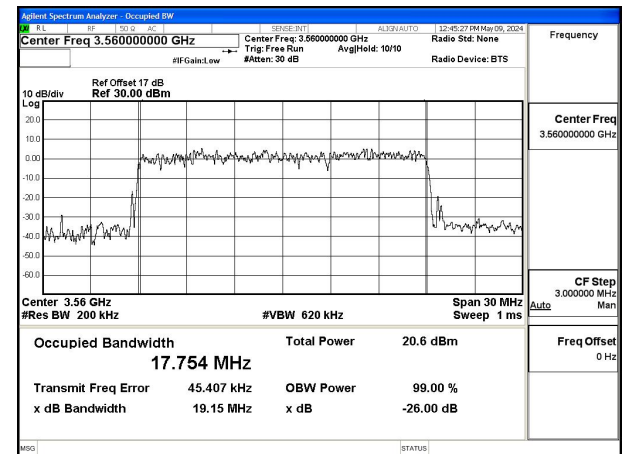


Fig.10

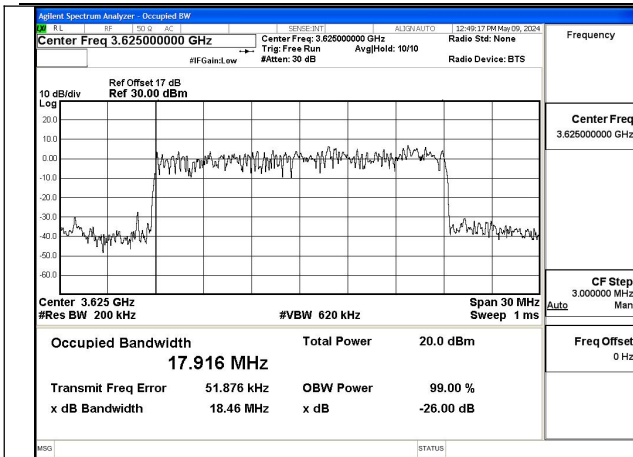


Fig.11

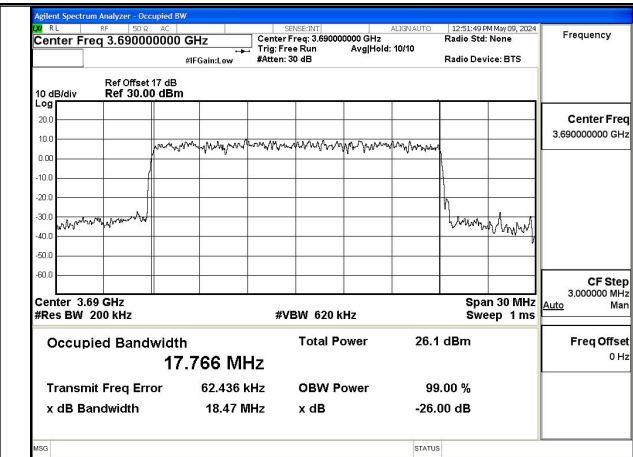


Fig.12

Test Mode: 16QAM

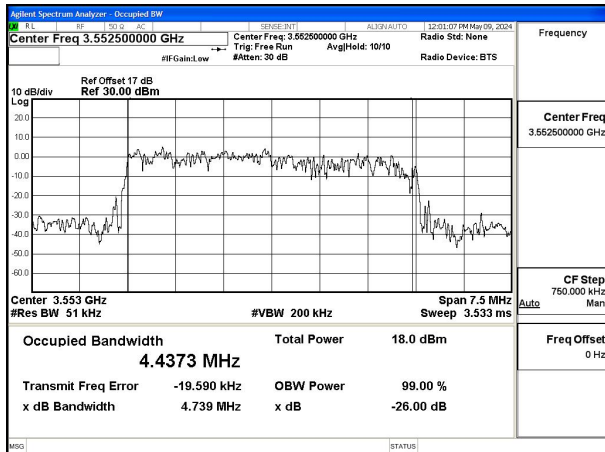


Fig.13

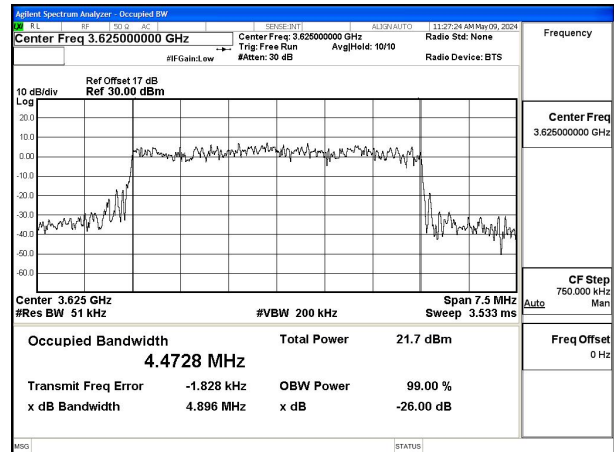


Fig.14

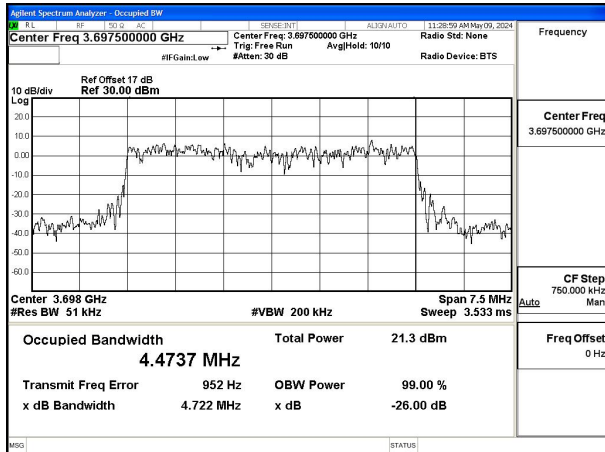


Fig.15

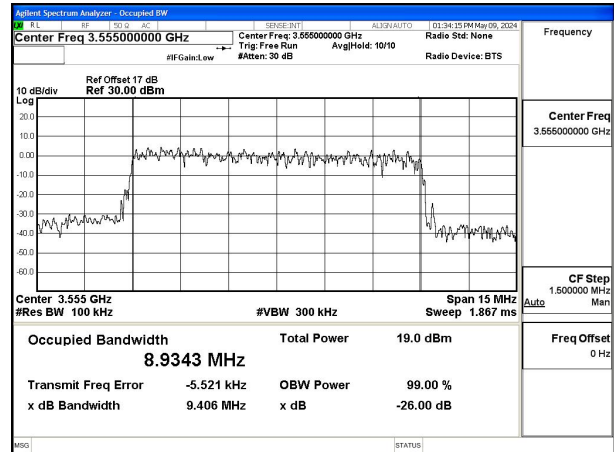


Fig.16

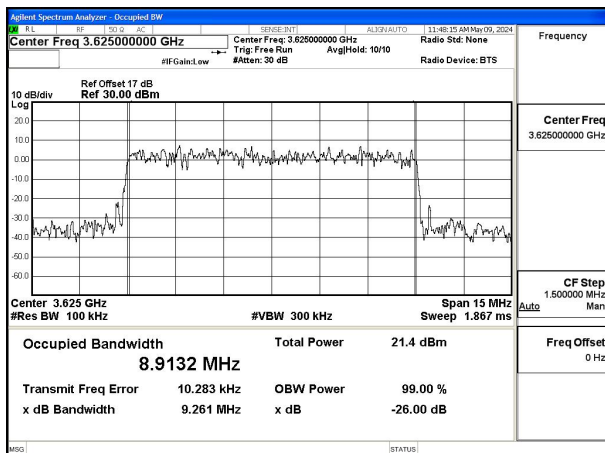


Fig.17

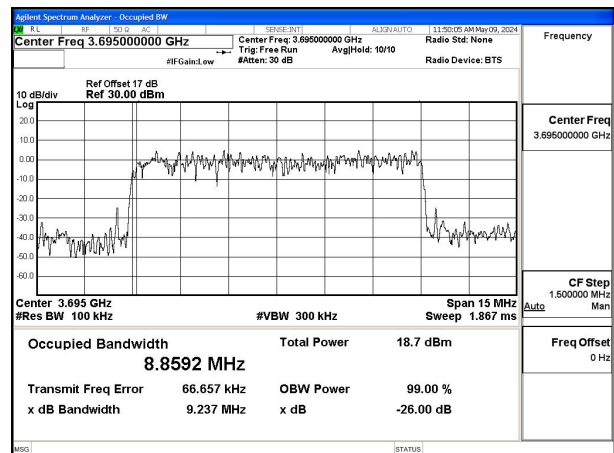


Fig.18

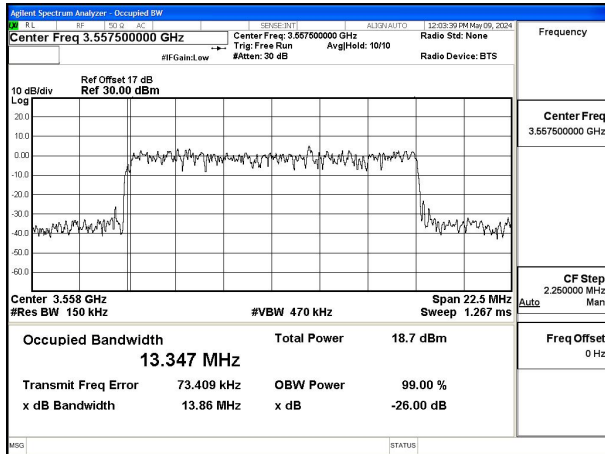


Fig.19

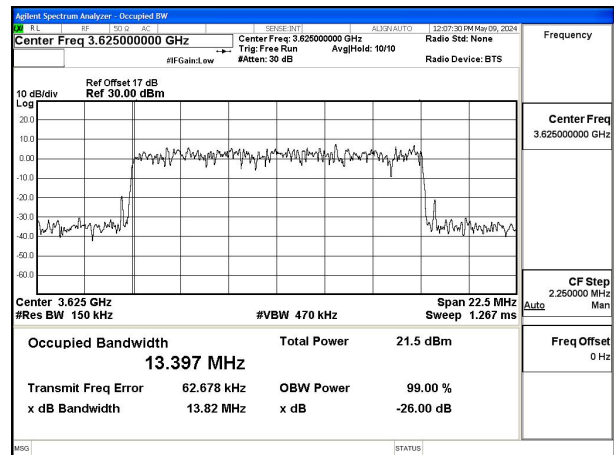


Fig.20

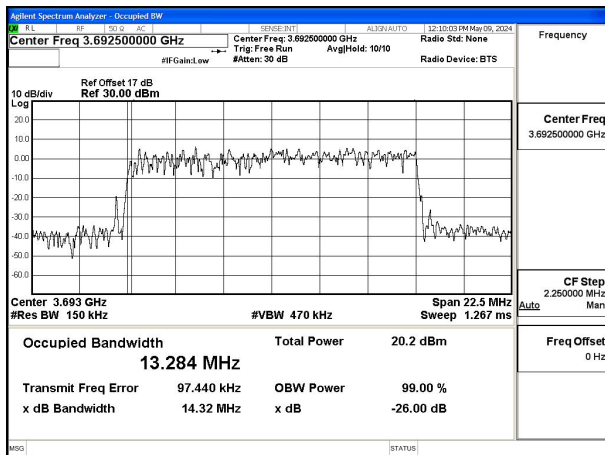


Fig.21

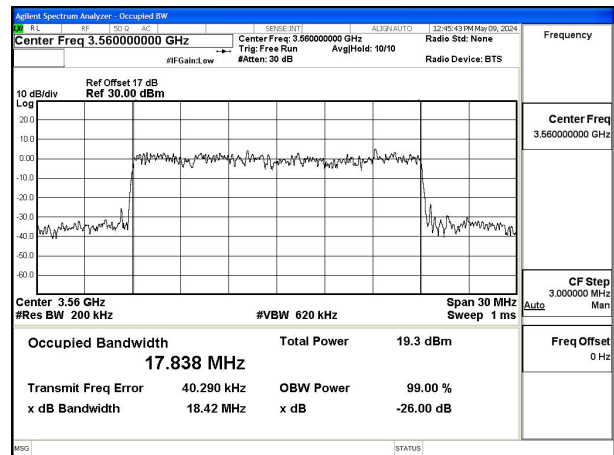


Fig.22

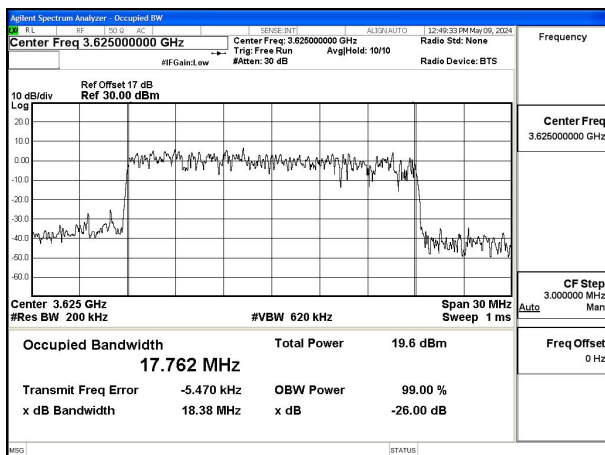


Fig.23

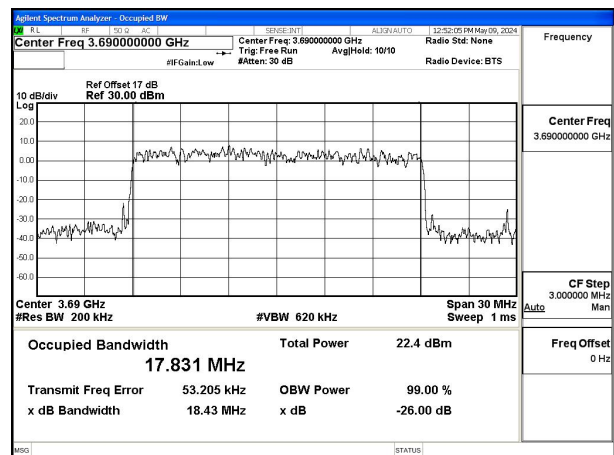


Fig.24

Test Mode: 64QAM

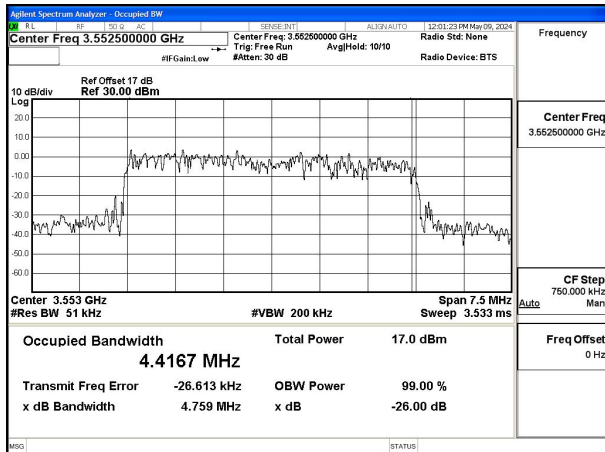


Fig.25

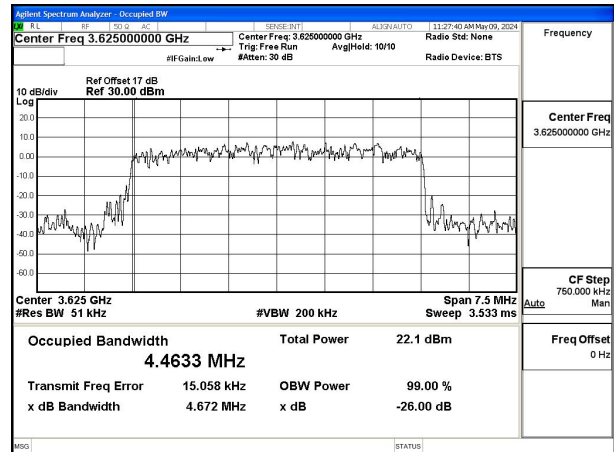


Fig.26

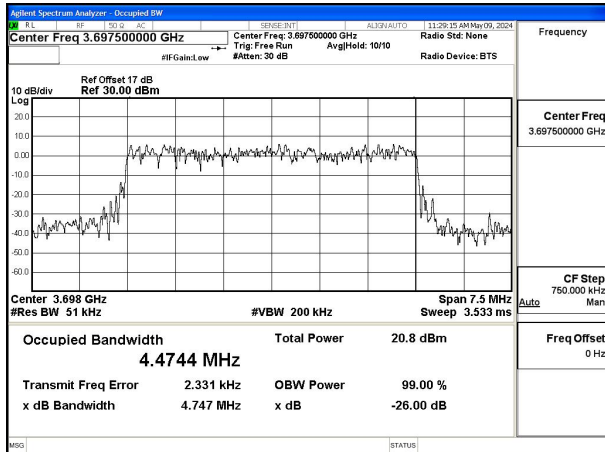


Fig.27

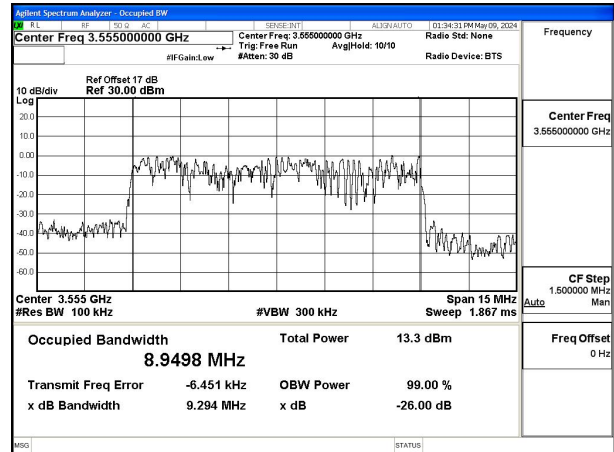


Fig.28

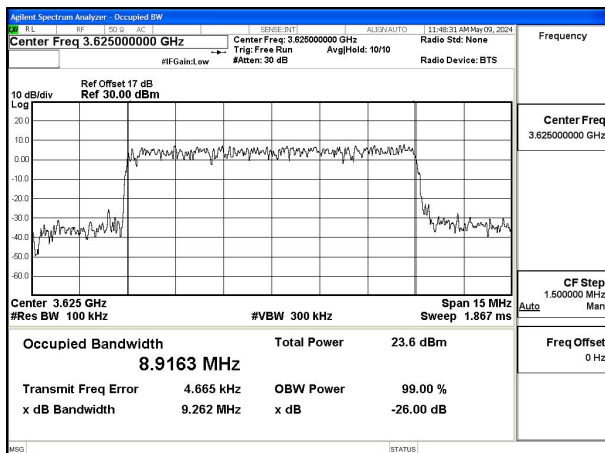


Fig.29

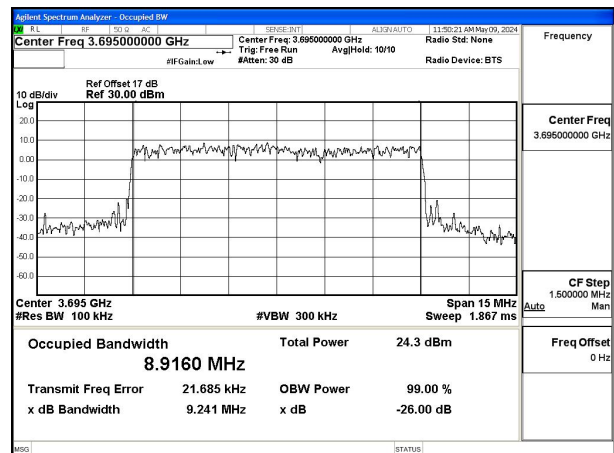


Fig.30

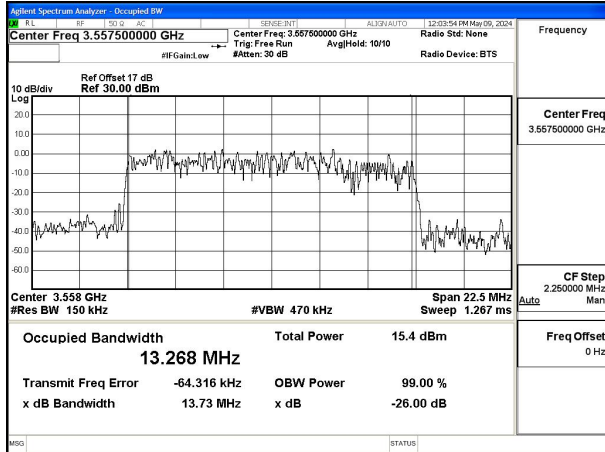


Fig.31

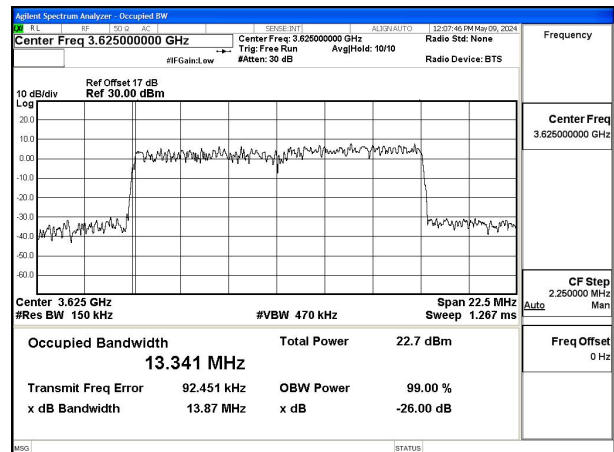


Fig.32

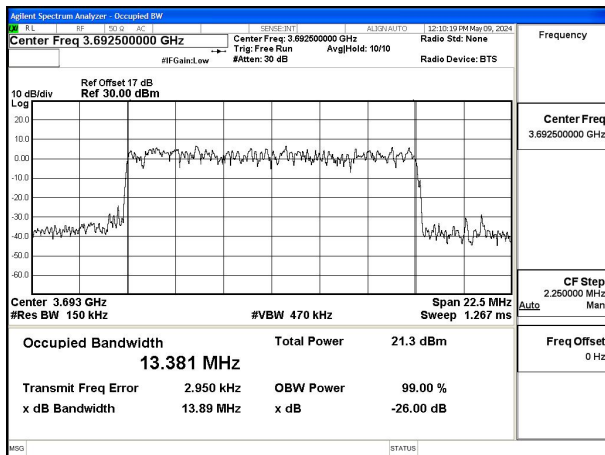


Fig.33

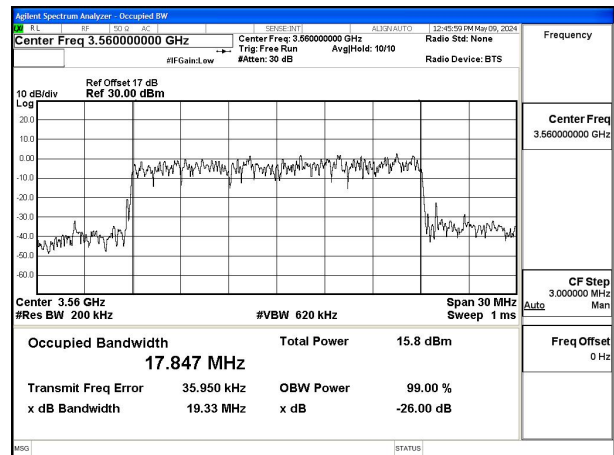


Fig.34

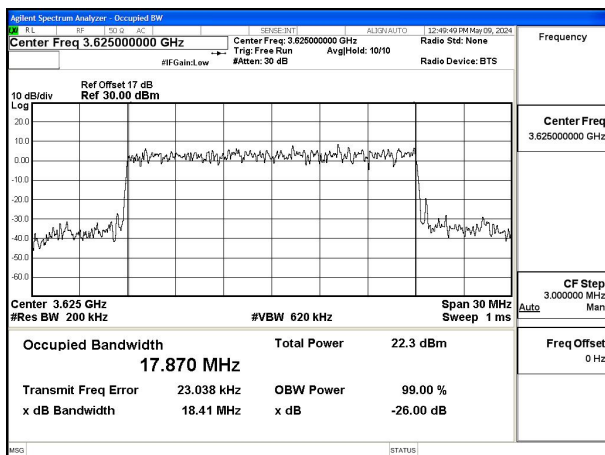


Fig.35

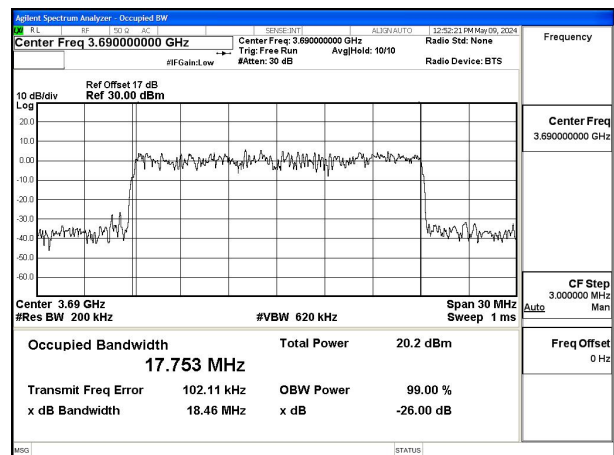


Fig.36

Test Mode: 256QAM

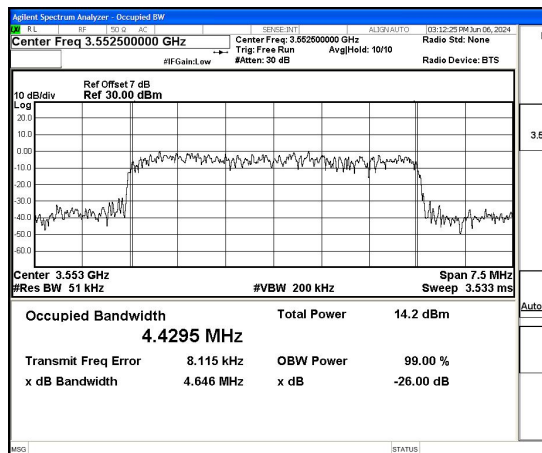


Fig.37

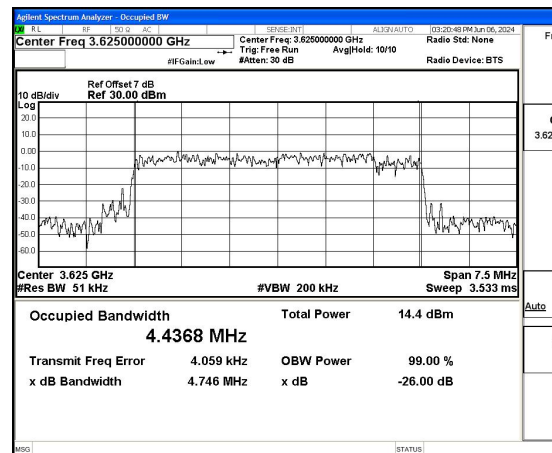


Fig.38

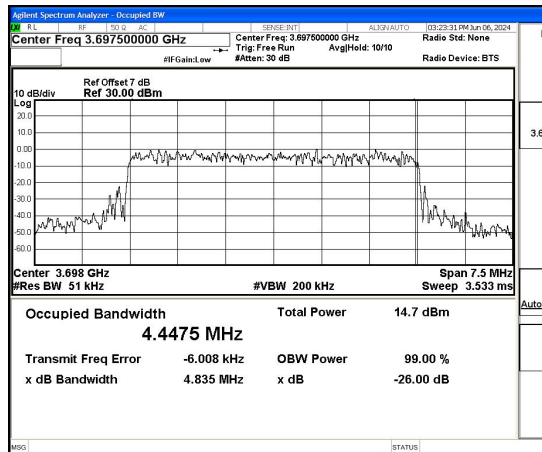


Fig.39

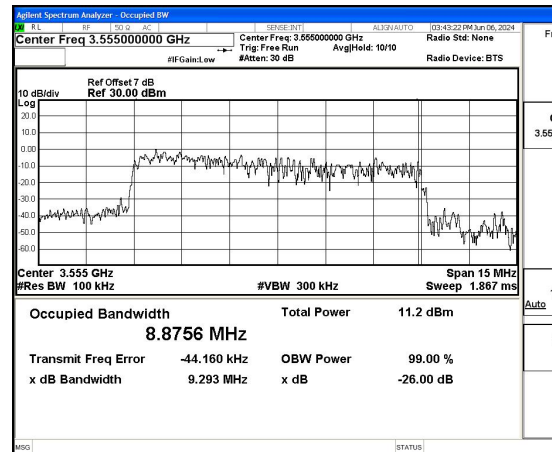


Fig.40

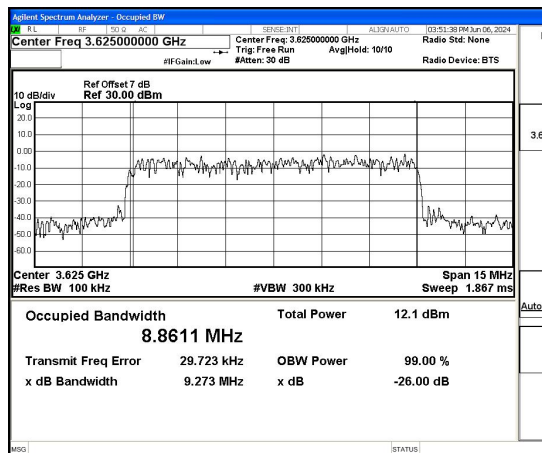


Fig.41

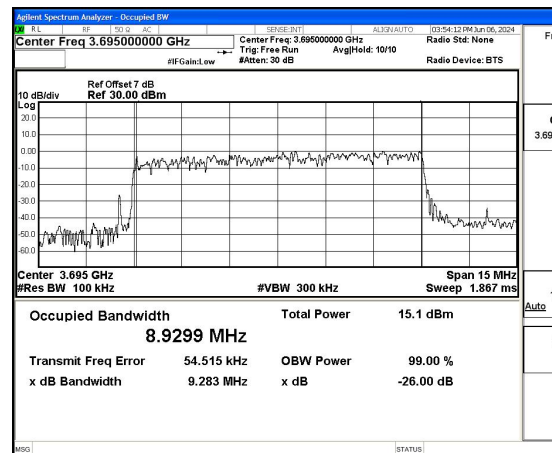


Fig.42