

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

N14(788-798)

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	790.5	158100	5	12	6	23.03
DFT-s-OFDM PI/2 BPSK	790.5	158100	5	1	1	23.91
DFT-s-OFDM PI/2 BPSK	790.5	158100	5	1	23	23.94
DFT-s-OFDM PI/2 BPSK	790.5	158100	5	25	0	22.94
DFT-s-OFDM QPSK	790.5	158100	5	12	6	24.03
DFT-s-OFDM QPSK	790.5	158100	5	1	1	23.95
DFT-s-OFDM QPSK	790.5	158100	5	1	23	23.95
DFT-s-OFDM QPSK	790.5	158100	5	25	0	23.02
DFT-s-OFDM 16QAM	790.5	158100	5	12	6	23.08
DFT-s-OFDM 16QAM	790.5	158100	5	1	1	23.02
DFT-s-OFDM 16QAM	790.5	158100	5	1	23	23.13
DFT-s-OFDM 16QAM	790.5	158100	5	25	0	22.03
DFT-s-OFDM 64QAM	790.5	158100	5	12	6	21.63
DFT-s-OFDM 64QAM	790.5	158100	5	1	1	21.18
DFT-s-OFDM 64QAM	790.5	158100	5	1	23	21.32
DFT-s-OFDM 64QAM	790.5	158100	5	25	0	21.46
DFT-s-OFDM 256QAM	790.5	158100	5	12	6	19.47
DFT-s-OFDM 256QAM	790.5	158100	5	1	1	19.26
DFT-s-OFDM 256QAM	790.5	158100	5	1	23	19.33
DFT-s-OFDM 256QAM	790.5	158100	5	25	0	19.43
CP-OFDM QPSK	790.5	158100	5	13	6	22.39
CP-OFDM QPSK	790.5	158100	5	1	1	22.59
CP-OFDM QPSK	790.5	158100	5	1	23	22.40
CP-OFDM QPSK	790.5	158100	5	25	0	21.05
CP-OFDM 16QAM	790.5	158100	5	13	6	22.12
CP-OFDM 16QAM	790.5	158100	5	1	1	22.11
CP-OFDM 16QAM	790.5	158100	5	1	23	22.12
CP-OFDM 16QAM	790.5	158100	5	25	0	21.03
CP-OFDM 64QAM	790.5	158100	5	13	6	20.54
CP-OFDM 64QAM	790.5	158100	5	1	1	20.24
CP-OFDM 64QAM	790.5	158100	5	1	23	20.20
CP-OFDM 64QAM	790.5	158100	5	25	0	20.62
CP-OFDM 256QAM	790.5	158100	5	13	6	17.55
CP-OFDM 256QAM	790.5	158100	5	1	1	17.22
CP-OFDM 256QAM	790.5	158100	5	1	23	17.22
CP-OFDM 256QAM	790.5	158100	5	25	0	17.52
DFT-s-OFDM PI/2 BPSK	793	158600	5	12	6	23.53
DFT-s-OFDM PI/2 BPSK	793	158600	5	1	1	23.96
DFT-s-OFDM PI/2 BPSK	793	158600	5	1	23	24.02
DFT-s-OFDM PI/2 BPSK	793	158600	5	25	0	22.99
DFT-s-OFDM QPSK	793	158600	5	12	6	24.00

DFT-s-OFDM QPSK	793	158600	5	1	1	23.99
DFT-s-OFDM QPSK	793	158600	5	1	23	24.03
DFT-s-OFDM QPSK	793	158600	5	25	0	23.04
DFT-s-OFDM 16QAM	793	158600	5	12	6	23.11
DFT-s-OFDM 16QAM	793	158600	5	1	1	23.10
DFT-s-OFDM 16QAM	793	158600	5	1	23	23.07
DFT-s-OFDM 16QAM	793	158600	5	25	0	22.06
DFT-s-OFDM 64QAM	793	158600	5	12	6	21.56
DFT-s-OFDM 64QAM	793	158600	5	1	1	21.29
DFT-s-OFDM 64QAM	793	158600	5	1	23	21.31
DFT-s-OFDM 64QAM	793	158600	5	25	0	21.58
DFT-s-OFDM 256QAM	793	158600	5	12	6	21.59
DFT-s-OFDM 256QAM	793	158600	5	1	1	19.27
DFT-s-OFDM 256QAM	793	158600	5	1	23	19.32
DFT-s-OFDM 256QAM	793	158600	5	25	0	19.46
CP-OFDM QPSK	793	158600	5	13	6	22.48
CP-OFDM QPSK	793	158600	5	1	1	22.62
CP-OFDM QPSK	793	158600	5	1	23	22.64
CP-OFDM QPSK	793	158600	5	25	0	21.07
CP-OFDM 16QAM	793	158600	5	13	6	22.11
CP-OFDM 16QAM	793	158600	5	1	1	22.16
CP-OFDM 16QAM	793	158600	5	1	23	22.11
CP-OFDM 16QAM	793	158600	5	25	0	21.05
CP-OFDM 64QAM	793	158600	5	13	6	20.67
CP-OFDM 64QAM	793	158600	5	1	1	20.29
CP-OFDM 64QAM	793	158600	5	1	23	20.17
CP-OFDM 64QAM	793	158600	5	25	0	20.67
CP-OFDM 256QAM	793	158600	5	13	6	17.51
CP-OFDM 256QAM	793	158600	5	1	1	17.25
CP-OFDM 256QAM	793	158600	5	1	23	17.21
CP-OFDM 256QAM	793	158600	5	25	0	17.54
DFT-s-OFDM PI/2 BPSK	795.5	159100	5	12	6	23.01
DFT-s-OFDM PI/2 BPSK	795.5	159100	5	1	1	23.97
DFT-s-OFDM PI/2 BPSK	795.5	159100	5	1	23	23.87
DFT-s-OFDM PI/2 BPSK	795.5	159100	5	25	0	22.94
DFT-s-OFDM QPSK	795.5	159100	5	12	6	23.96
DFT-s-OFDM QPSK	795.5	159100	5	1	1	24.01
DFT-s-OFDM QPSK	795.5	159100	5	1	23	23.84
DFT-s-OFDM QPSK	795.5	159100	5	25	0	22.91
DFT-s-OFDM 16QAM	795.5	159100	5	12	6	23.06
DFT-s-OFDM 16QAM	795.5	159100	5	1	1	23.07
DFT-s-OFDM 16QAM	795.5	159100	5	1	23	23.00
DFT-s-OFDM 16QAM	795.5	159100	5	25	0	21.96
DFT-s-OFDM 64QAM	795.5	159100	5	12	6	21.51
DFT-s-OFDM 64QAM	795.5	159100	5	1	1	21.22
DFT-s-OFDM 64QAM	795.5	159100	5	1	23	21.20

DFT-s-OFDM 64QAM	795.5	159100	5	25	0	21.48
DFT-s-OFDM 256QAM	795.5	159100	5	12	6	19.39
DFT-s-OFDM 256QAM	795.5	159100	5	1	1	19.26
DFT-s-OFDM 256QAM	795.5	159100	5	1	23	19.21
DFT-s-OFDM 256QAM	795.5	159100	5	25	0	19.36
CP-OFDM QPSK	795.5	159100	5	13	6	22.32
CP-OFDM QPSK	795.5	159100	5	1	1	22.63
CP-OFDM QPSK	795.5	159100	5	1	23	22.51
CP-OFDM QPSK	795.5	159100	5	25	0	20.97
CP-OFDM 16QAM	795.5	159100	5	13	6	22.10
CP-OFDM 16QAM	795.5	159100	5	1	1	22.16
CP-OFDM 16QAM	795.5	159100	5	1	23	21.97
CP-OFDM 16QAM	795.5	159100	5	25	0	20.94
CP-OFDM 64QAM	795.5	159100	5	13	6	20.48
CP-OFDM 64QAM	795.5	159100	5	1	1	20.18
CP-OFDM 64QAM	795.5	159100	5	1	23	20.12
CP-OFDM 64QAM	795.5	159100	5	25	0	20.56
CP-OFDM 256QAM	795.5	159100	5	13	6	17.53
CP-OFDM 256QAM	795.5	159100	5	1	1	17.20
CP-OFDM 256QAM	795.5	159100	5	1	23	17.09
CP-OFDM 256QAM	795.5	159100	5	25	0	17.46

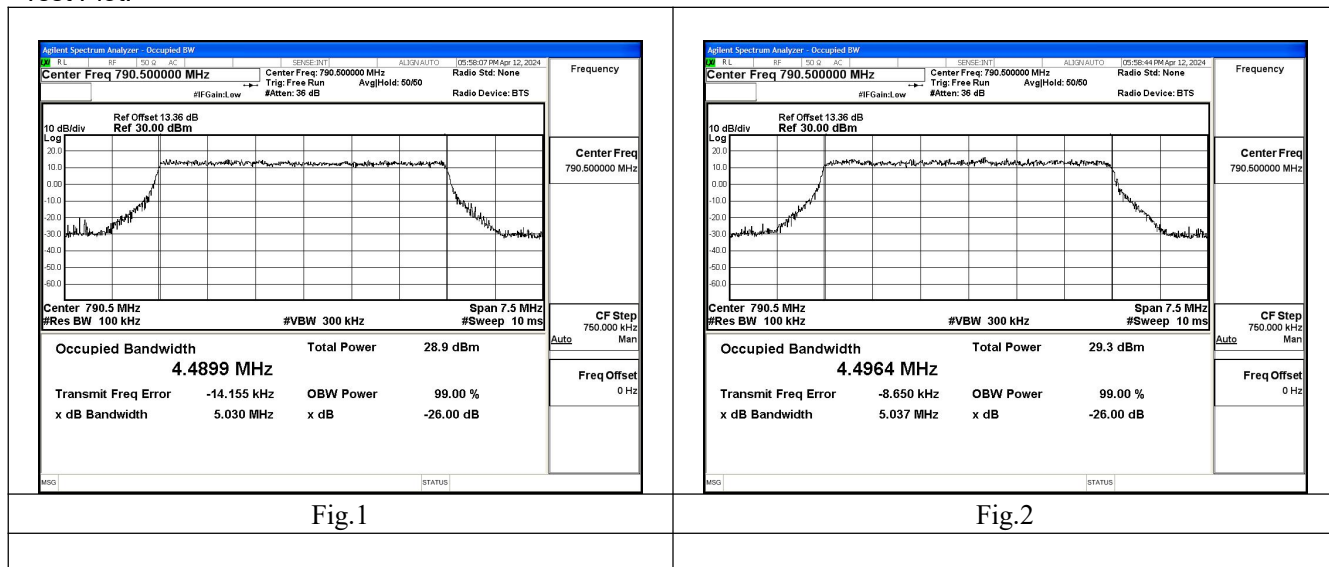
Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Conducted power (dBm)
DFT-s-OFDM PI/2 BPSK	793	158600	10	25	12	23.02
DFT-s-OFDM PI/2 BPSK	793	158600	10	1	1	23.93
DFT-s-OFDM PI/2 BPSK	793	158600	10	1	50	23.86
DFT-s-OFDM PI/2 BPSK	793	158600	10	50	0	23.00
DFT-s-OFDM QPSK	793	158600	10	25	12	24.00
DFT-s-OFDM QPSK	793	158600	10	1	1	23.94
DFT-s-OFDM QPSK	793	158600	10	1	50	23.89
DFT-s-OFDM QPSK	793	158600	10	50	0	23.05
DFT-s-OFDM 16QAM	793	158600	10	25	12	23.03
DFT-s-OFDM 16QAM	793	158600	10	1	1	23.05
DFT-s-OFDM 16QAM	793	158600	10	1	50	23.03
DFT-s-OFDM 16QAM	793	158600	10	50	0	22.06
DFT-s-OFDM 64QAM	793	158600	10	25	12	21.54
DFT-s-OFDM 64QAM	793	158600	10	1	1	21.27
DFT-s-OFDM 64QAM	793	158600	10	1	50	21.28
DFT-s-OFDM 64QAM	793	158600	10	50	0	21.49
DFT-s-OFDM 256QAM	793	158600	10	25	12	19.45
DFT-s-OFDM 256QAM	793	158600	10	1	1	19.24
DFT-s-OFDM 256QAM	793	158600	10	1	50	19.21
DFT-s-OFDM 256QAM	793	158600	10	50	0	19.52
CP-OFDM QPSK	793	158600	10	26	13	22.55
CP-OFDM QPSK	793	158600	10	1	1	22.54

CP-OFDM QPSK	793	158600	10	1	50	22.41
CP-OFDM QPSK	793	158600	10	52	0	21.01
CP-OFDM 16QAM	793	158600	10	26	13	22.09
CP-OFDM 16QAM	793	158600	10	1	1	22.08
CP-OFDM 16QAM	793	158600	10	1	50	22.05
CP-OFDM 16QAM	793	158600	10	52	0	20.99
CP-OFDM 64QAM	793	158600	10	26	13	20.60
CP-OFDM 64QAM	793	158600	10	1	1	20.20
CP-OFDM 64QAM	793	158600	10	1	50	20.21
CP-OFDM 64QAM	793	158600	10	52	0	20.43
CP-OFDM 256QAM	793	158600	10	26	13	17.47
CP-OFDM 256QAM	793	158600	10	1	1	17.23
CP-OFDM 256QAM	793	158600	10	1	50	17.22
CP-OFDM 256QAM	793	158600	10	52	0	17.51

2 Occupied Bandwidth

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
CP-OFDM QPSK	790.5	158100	5	25	0	4.490	Fig.1
CP-OFDM 16QAM	790.5	158100	5	25	0	4.500	Fig.2
CP-OFDM 64QAM	790.5	158100	5	25	0	4.500	Fig.3
CP-OFDM 256QAM	790.5	158100	5	25	0	4.510	Fig.4
CP-OFDM QPSK	793	158600	5	25	0	4.510	Fig.5
CP-OFDM 16QAM	793	158600	5	25	0	4.500	Fig.6
CP-OFDM 64QAM	793	158600	5	25	0	4.500	Fig.7
CP-OFDM 256QAM	793	158600	5	25	0	4.520	Fig.8
CP-OFDM QPSK	795.5	159100	5	25	0	4.500	Fig.9
CP-OFDM 16QAM	795.5	159100	5	25	0	4.500	Fig.10
CP-OFDM 64QAM	795.5	159100	5	25	0	4.500	Fig.11
CP-OFDM 256QAM	795.5	159100	5	25	0	4.510	Fig.12
CP-OFDM QPSK	793	158600	10	52	0	9.290	Fig.13
CP-OFDM 16QAM	793	158600	10	52	0	9.280	Fig.14
CP-OFDM 64QAM	793	158600	10	52	0	9.290	Fig.15
CP-OFDM 256QAM	793	158600	10	52	0	9.280	Fig.16

Test Plot:



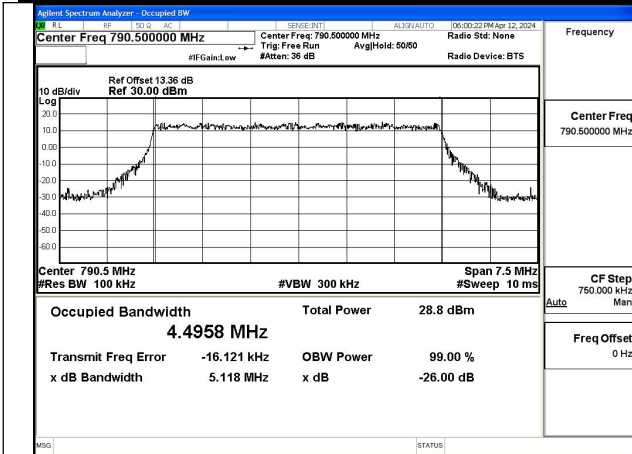


Fig.3

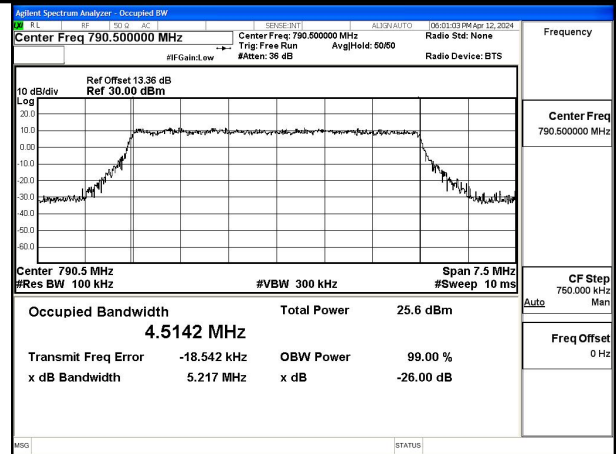


Fig.4

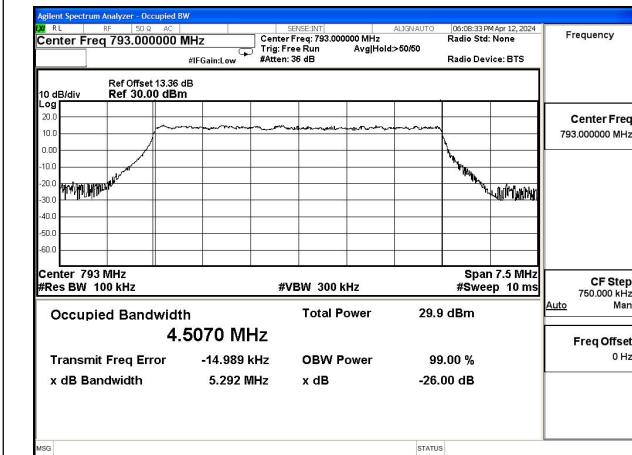


Fig.5

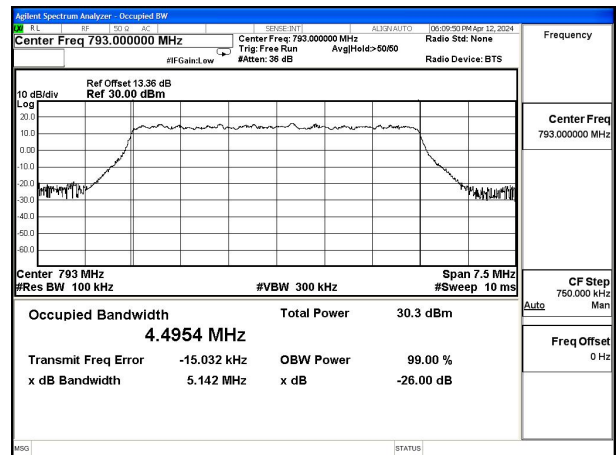


Fig.6

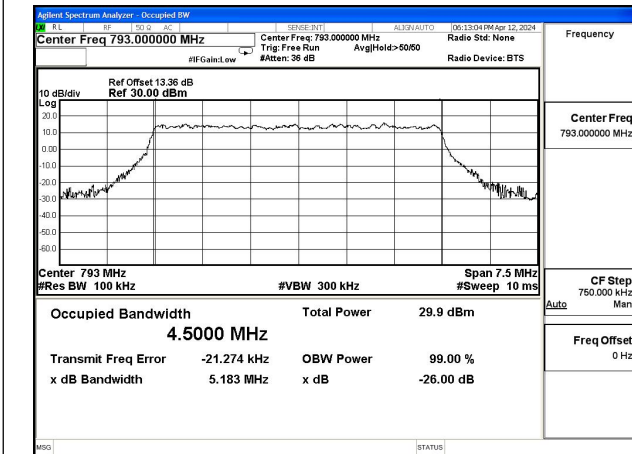


Fig.7

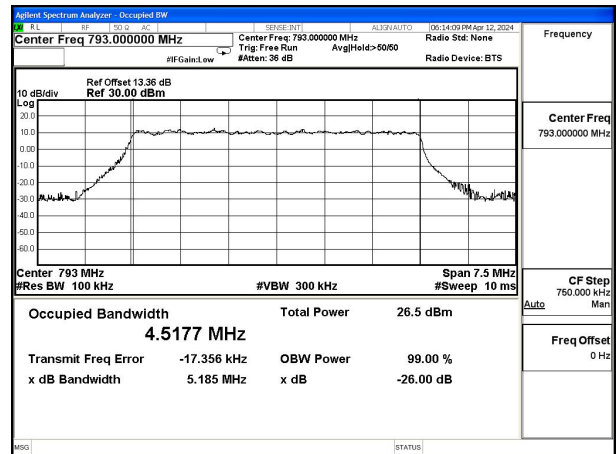


Fig.8

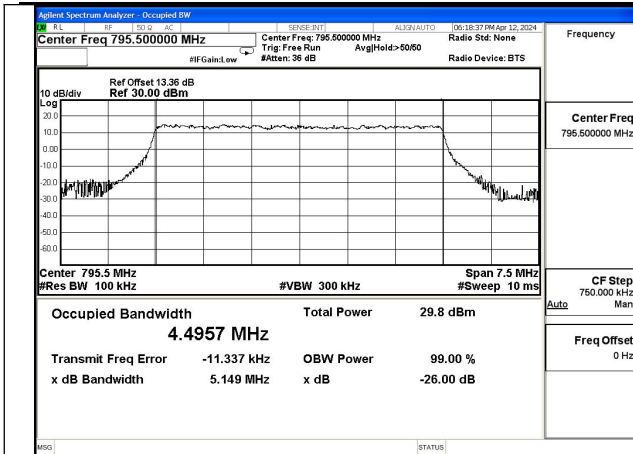


Fig.9

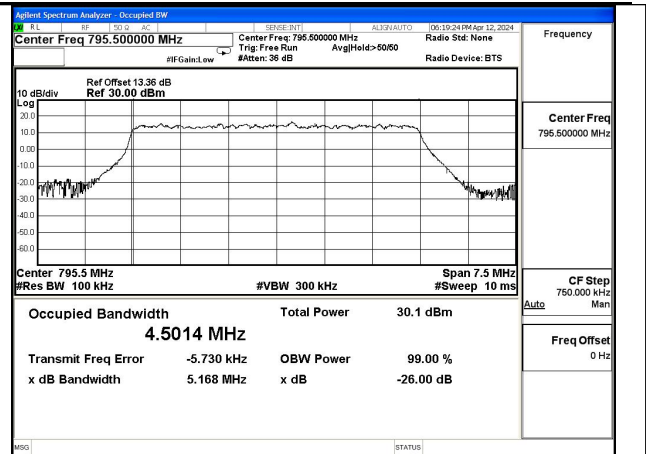


Fig.10

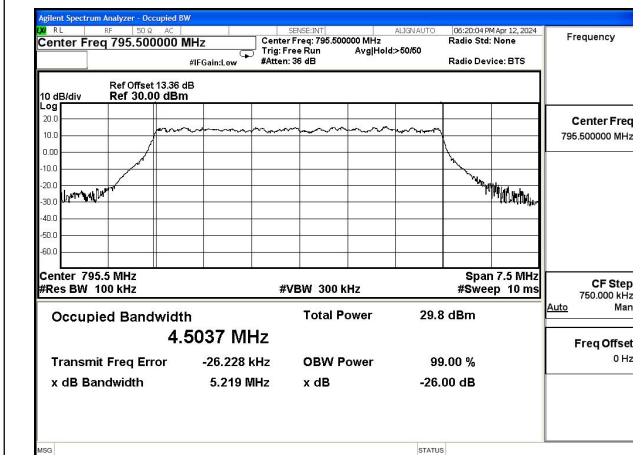


Fig.11

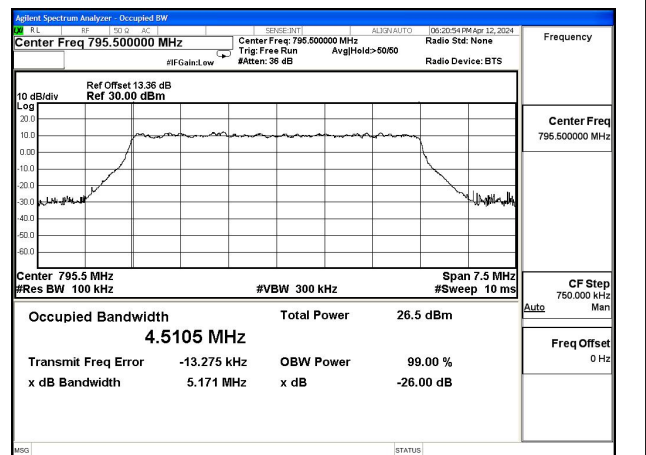


Fig.12

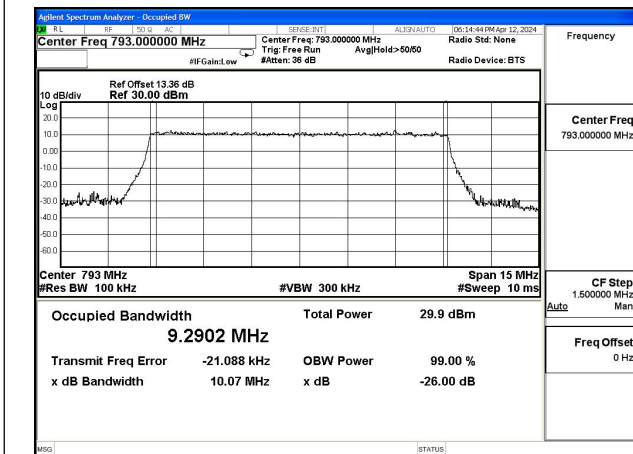


Fig.13

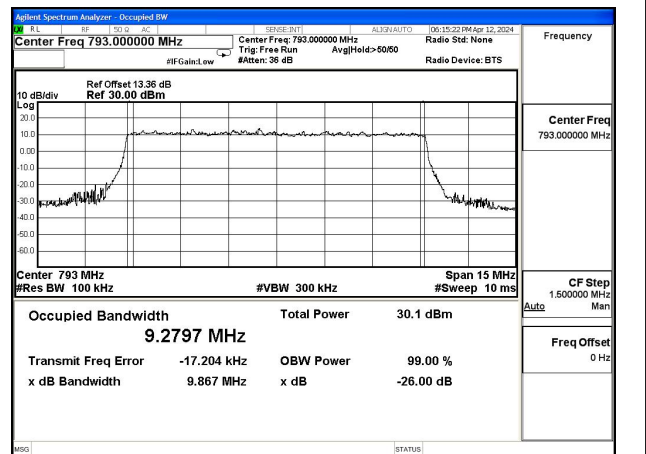


Fig.14

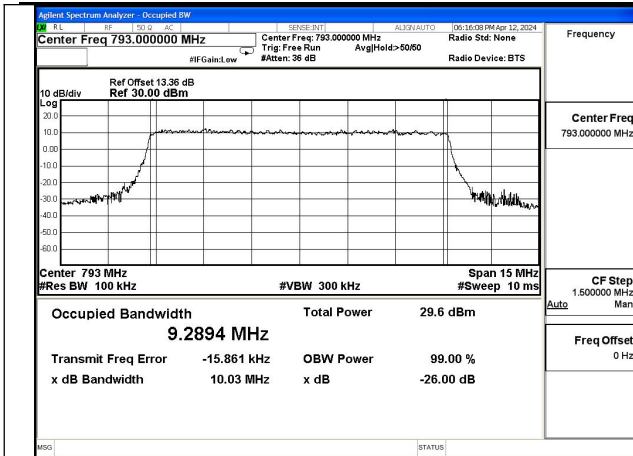


Fig.15

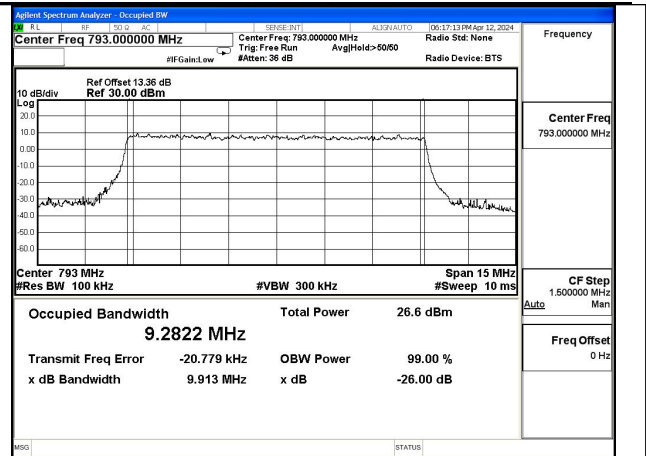
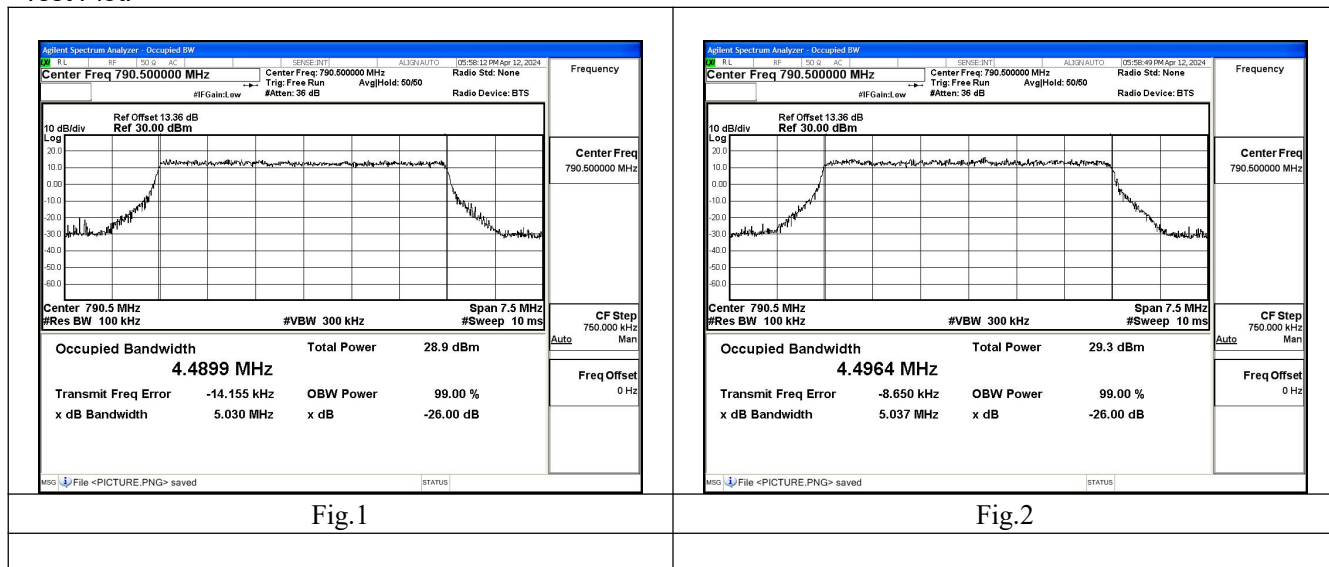


Fig.16

3 Emission Bandwidth

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB Power (MHz)	
CP-OFDM QPSK	790.5	158100	5	25	0	5.030	Fig.1
CP-OFDM 16QAM	790.5	158100	5	25	0	5.040	Fig.2
CP-OFDM 64QAM	790.5	158100	5	25	0	5.120	Fig.3
CP-OFDM 256QAM	790.5	158100	5	25	0	5.220	Fig.4
CP-OFDM QPSK	793	158600	5	25	0	5.290	Fig.5
CP-OFDM 16QAM	793	158600	5	25	0	5.140	Fig.6
CP-OFDM 64QAM	793	158600	5	25	0	5.180	Fig.7
CP-OFDM 256QAM	793	158600	5	25	0	5.230	Fig.8
CP-OFDM QPSK	795.5	159100	5	25	0	5.150	Fig.9
CP-OFDM 16QAM	795.5	159100	5	25	0	5.170	Fig.10
CP-OFDM 64QAM	795.5	159100	5	25	0	5.220	Fig.11
CP-OFDM 256QAM	795.5	159100	5	25	0	5.170	Fig.12
CP-OFDM QPSK	793	158600	10	52	0	10.040	Fig.13
CP-OFDM 16QAM	793	158600	10	52	0	9.870	Fig.14
CP-OFDM 64QAM	793	158600	10	52	0	10.030	Fig.15
CP-OFDM 256QAM	793	158600	10	52	0	9.910	Fig.16

Test Plot:



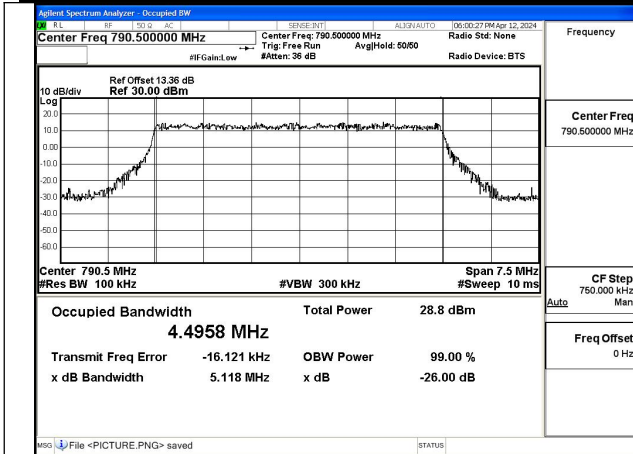


Fig.3

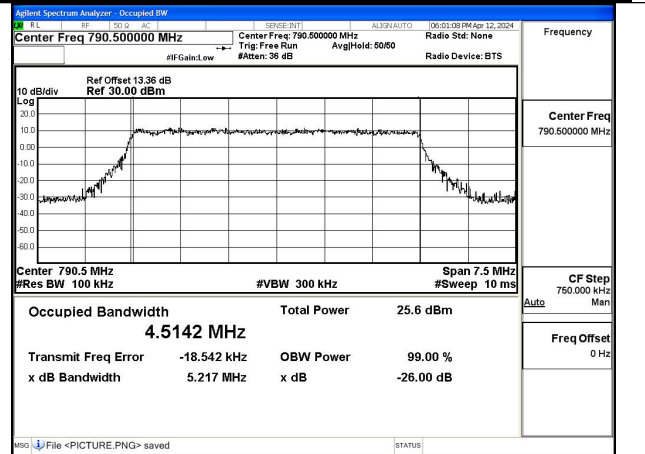


Fig.4

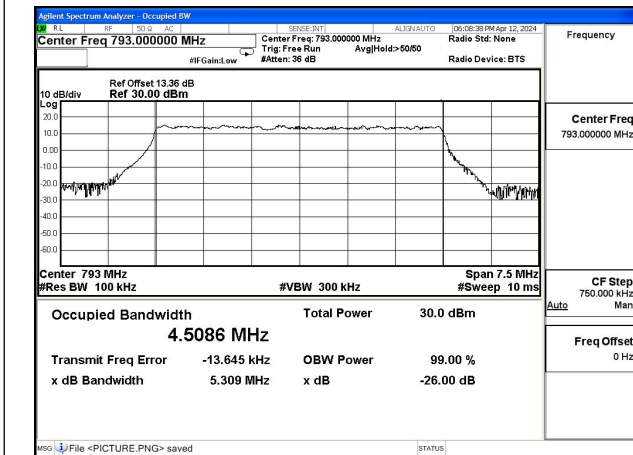


Fig.5

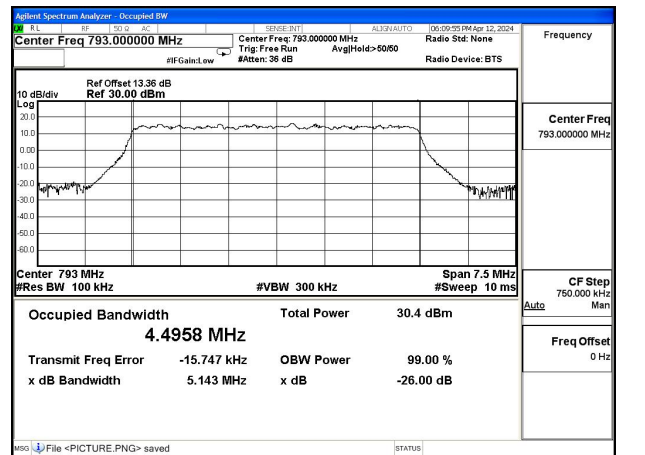


Fig.6

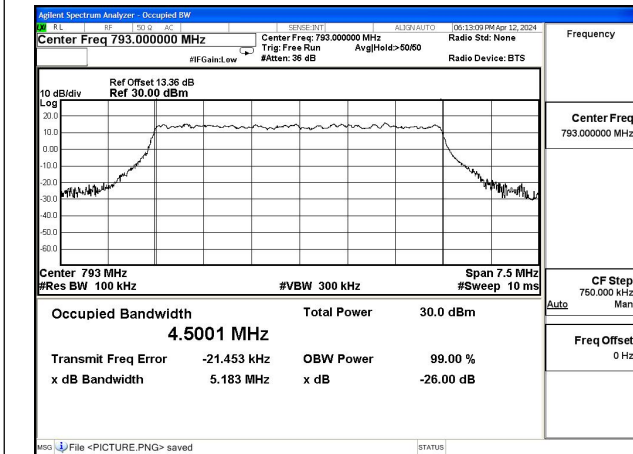


Fig.7

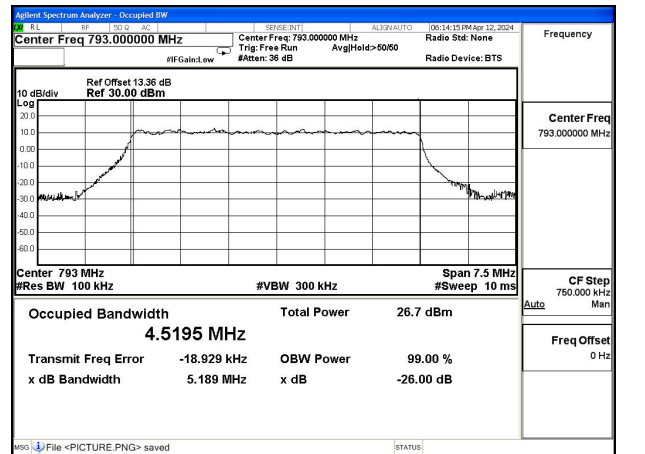


Fig.8

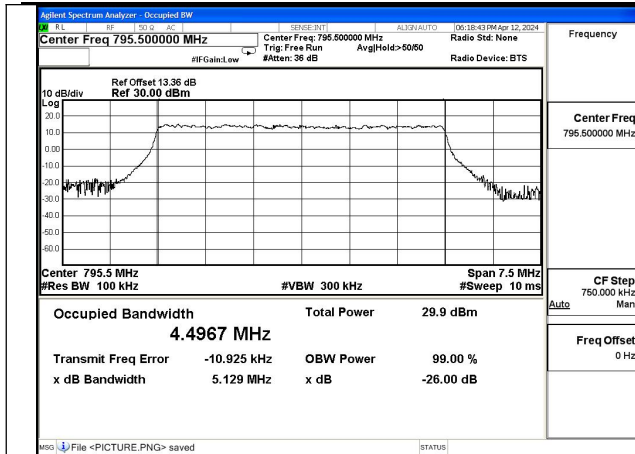


Fig.9

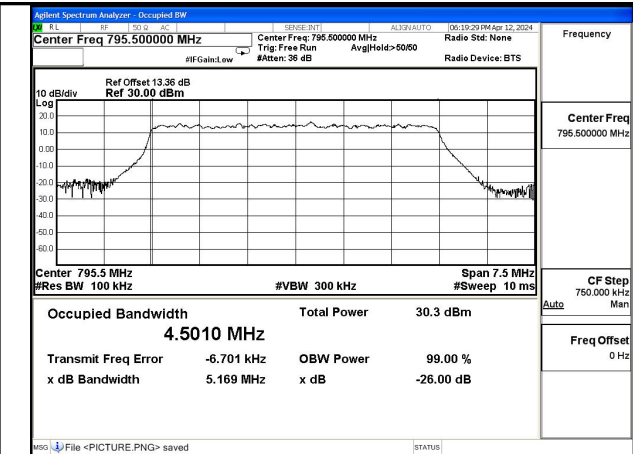


Fig.10

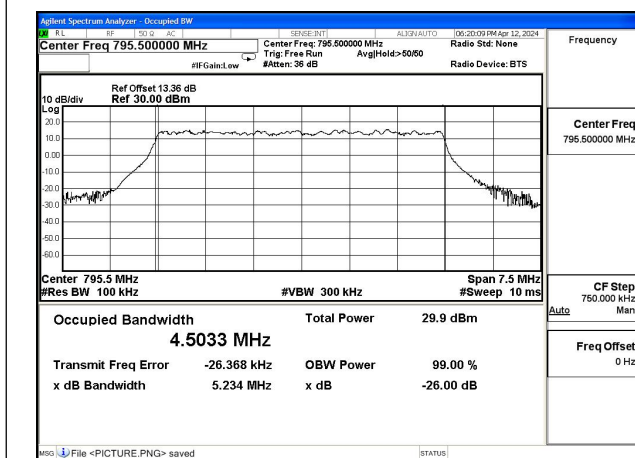


Fig.11

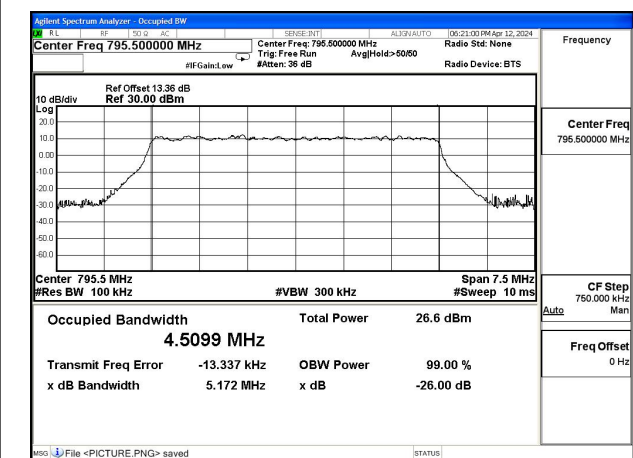


Fig.12

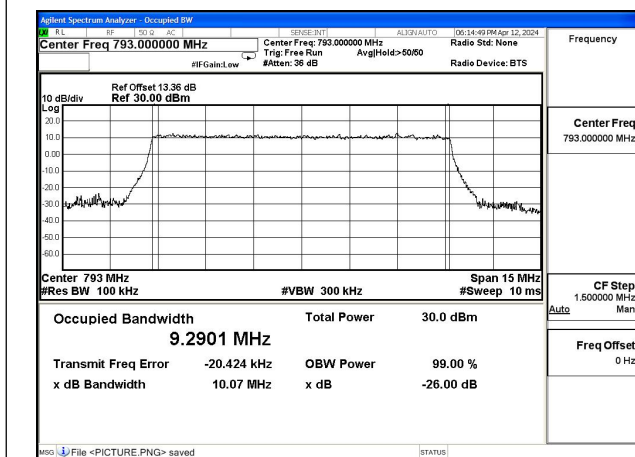


Fig.13

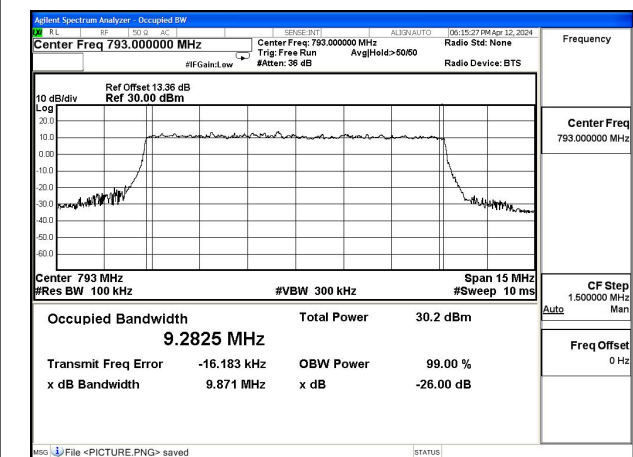


Fig.14

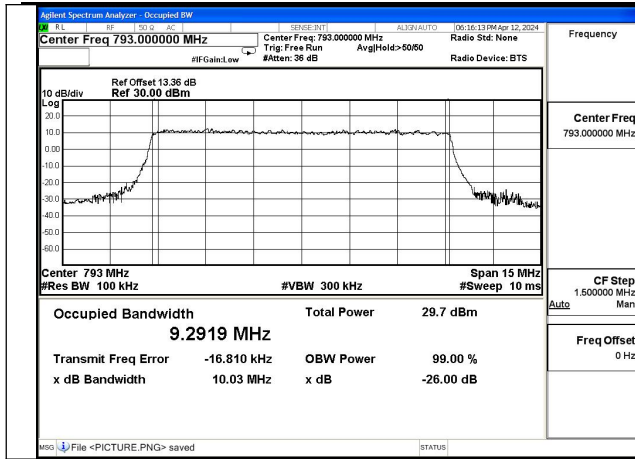


Fig.15

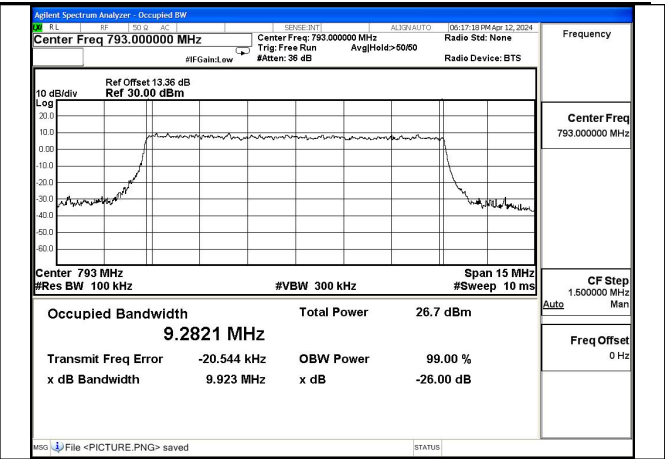


Fig.16

4 Peak-Average Ratio

Modulation	Carrier frequency (MHz)	UL Channel	BW (MHz)	RB Size	RB Offset	PAR Plot
DFT-s-OFDM PI/2 BPSK	790.5	158100	5	25	0	Fig.1
DFT-s-OFDM QPSK	790.5	158100	5	25	0	Fig.2
DFT-s-OFDM 16QAM	790.5	158100	5	25	0	Fig.3
DFT-s-OFDM 64QAM	790.5	158100	5	25	0	Fig.4
DFT-s-OFDM 256QAM	790.5	158100	5	25	0	Fig.5
DFT-s-OFDM PI/2 BPSK	793	158600	5	25	0	Fig.6
DFT-s-OFDM QPSK	793	158600	5	25	0	Fig.7
DFT-s-OFDM 16QAM	793	158600	5	25	0	Fig.8
DFT-s-OFDM 64QAM	793	158600	5	25	0	Fig.9
DFT-s-OFDM 256QAM	793	158600	5	25	0	Fig.10
DFT-s-OFDM PI/2 BPSK	795.5	159100	5	25	0	Fig.11
DFT-s-OFDM QPSK	795.5	159100	5	25	0	Fig.12
DFT-s-OFDM 16QAM	795.5	159100	5	25	0	Fig.13
DFT-s-OFDM 64QAM	795.5	159100	5	25	0	Fig.14
DFT-s-OFDM 256QAM	795.5	159100	5	25	0	Fig.15
DFT-s-OFDM PI/2 BPSK	793	158600	10	50	0	Fig.16
DFT-s-OFDM QPSK	793	158600	10	50	0	Fig.17
DFT-s-OFDM 16QAM	793	158600	10	50	0	Fig.18
DFT-s-OFDM 64QAM	793	158600	10	50	0	Fig.19
DFT-s-OFDM 256QAM	793	158600	10	50	0	Fig.20

Test Plot:

