

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	699.7	23017	1.4	1	0	23.47
QPSK	699.7	23017	1.4	1	3	23.38
QPSK	699.7	23017	1.4	1	5	23.40
QPSK	699.7	23017	1.4	3	0	23.62
QPSK	699.7	23017	1.4	3	1	23.54
QPSK	699.7	23017	1.4	3	3	23.30
QPSK	699.7	23017	1.4	6	0	22.76
QPSK	707.5	23095	1.4	1	0	23.41
QPSK	707.5	23095	1.4	1	3	23.53
QPSK	707.5	23095	1.4	1	5	23.34
QPSK	707.5	23095	1.4	3	0	23.45
QPSK	707.5	23095	1.4	3	1	23.32
QPSK	707.5	23095	1.4	3	3	23.39
QPSK	707.5	23095	1.4	6	0	22.62
QPSK	715.3	23173	1.4	1	0	23.45
QPSK	715.3	23173	1.4	1	3	23.60
QPSK	715.3	23173	1.4	1	5	23.37
QPSK	715.3	23173	1.4	3	0	23.44
QPSK	715.3	23173	1.4	3	1	23.34
QPSK	715.3	23173	1.4	3	3	23.45
QPSK	715.3	23173	1.4	6	0	22.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	699.7	23017	1.4	1	0	22.68
16QAM	699.7	23017	1.4	1	3	22.75
16QAM	699.7	23017	1.4	1	5	22.57
16QAM	699.7	23017	1.4	3	0	22.72
16QAM	699.7	23017	1.4	3	1	22.61
16QAM	699.7	23017	1.4	3	3	22.74
16QAM	699.7	23017	1.4	6	0	21.85
16QAM	707.5	23095	1.4	1	0	22.90
16QAM	707.5	23095	1.4	1	3	22.89
16QAM	707.5	23095	1.4	1	5	22.88
16QAM	707.5	23095	1.4	3	0	22.67
16QAM	707.5	23095	1.4	3	1	22.59
16QAM	707.5	23095	1.4	3	3	22.81
16QAM	707.5	23095	1.4	6	0	21.60
16QAM	715.3	23173	1.4	1	0	22.92
16QAM	715.3	23173	1.4	1	3	22.97
16QAM	715.3	23173	1.4	1	5	22.84
16QAM	715.3	23173	1.4	3	0	22.54
16QAM	715.3	23173	1.4	3	1	22.61
16QAM	715.3	23173	1.4	3	3	22.59
16QAM	715.3	23173	1.4	6	0	21.79
64QAM	699.7	23017	1.4	1	0	22.26
64QAM	699.7	23017	1.4	1	3	22.16
64QAM	699.7	23017	1.4	1	5	21.92
64QAM	699.7	23017	1.4	3	0	22.20
64QAM	699.7	23017	1.4	3	1	22.15
64QAM	699.7	23017	1.4	3	3	22.17
64QAM	699.7	23017	1.4	6	0	20.76
64QAM	707.5	23095	1.4	1	0	21.73
64QAM	707.5	23095	1.4	1	3	21.76
64QAM	707.5	23095	1.4	1	5	21.66
64QAM	707.5	23095	1.4	3	0	21.66
64QAM	707.5	23095	1.4	3	1	21.61
64QAM	707.5	23095	1.4	3	3	21.77
64QAM	707.5	23095	1.4	6	0	20.85
64QAM	715.3	23173	1.4	1	0	21.88
64QAM	715.3	23173	1.4	1	3	21.83
64QAM	715.3	23173	1.4	1	5	21.93
64QAM	715.3	23173	1.4	3	0	21.77
64QAM	715.3	23173	1.4	3	1	21.58
64QAM	715.3	23173	1.4	3	3	21.68
64QAM	715.3	23173	1.4	6	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	23.56
QPSK	700.5	23025	3	1	8	23.55
QPSK	700.5	23025	3	1	14	23.31
QPSK	700.5	23025	3	8	0	22.76
QPSK	700.5	23025	3	8	4	22.78
QPSK	700.5	23025	3	8	7	22.72
QPSK	700.5	23025	3	15	0	22.73
QPSK	707.5	23095	3	1	0	23.42
QPSK	707.5	23095	3	1	8	23.52
QPSK	707.5	23095	3	1	14	23.46
QPSK	707.5	23095	3	8	0	22.62
QPSK	707.5	23095	3	8	4	22.68
QPSK	707.5	23095	3	8	7	22.64
QPSK	707.5	23095	3	15	0	22.66
QPSK	714.5	23165	3	1	0	23.57
QPSK	714.5	23165	3	1	8	23.58
QPSK	714.5	23165	3	1	14	23.52
QPSK	714.5	23165	3	8	0	22.68
QPSK	714.5	23165	3	8	4	22.72
QPSK	714.5	23165	3	8	7	22.77
QPSK	714.5	23165	3	15	0	22.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	700.5	23025	3	1	0	23.24
16QAM	700.5	23025	3	1	8	23.33
16QAM	700.5	23025	3	1	14	23.37
16QAM	700.5	23025	3	8	0	21.83
16QAM	700.5	23025	3	8	4	21.86
16QAM	700.5	23025	3	8	7	21.82
16QAM	700.5	23025	3	15	0	21.78
16QAM	707.5	23095	3	1	0	22.80
16QAM	707.5	23095	3	1	8	22.94
16QAM	707.5	23095	3	1	14	22.72
16QAM	707.5	23095	3	8	0	21.64
16QAM	707.5	23095	3	8	4	21.60
16QAM	707.5	23095	3	8	7	21.66
16QAM	707.5	23095	3	15	0	21.80
16QAM	714.5	23165	3	1	0	23.01
16QAM	714.5	23165	3	1	8	22.99
16QAM	714.5	23165	3	1	14	22.96
16QAM	714.5	23165	3	8	0	21.82
16QAM	714.5	23165	3	8	4	21.84
16QAM	714.5	23165	3	8	7	21.88
16QAM	714.5	23165	3	15	0	21.71
64QAM	700.5	23025	3	1	0	22.16
64QAM	700.5	23025	3	1	8	22.25
64QAM	700.5	23025	3	1	14	22.11
64QAM	700.5	23025	3	8	0	20.85
64QAM	700.5	23025	3	8	4	20.91
64QAM	700.5	23025	3	8	7	20.86
64QAM	700.5	23025	3	15	0	20.71
64QAM	707.5	23095	3	1	0	21.70
64QAM	707.5	23095	3	1	8	21.91
64QAM	707.5	23095	3	1	14	21.82
64QAM	707.5	23095	3	8	0	20.77
64QAM	707.5	23095	3	8	4	20.71
64QAM	707.5	23095	3	8	7	20.73
64QAM	707.5	23095	3	15	0	20.78
64QAM	714.5	23165	3	1	0	21.95
64QAM	714.5	23165	3	1	8	22.05
64QAM	714.5	23165	3	1	14	22.05
64QAM	714.5	23165	3	8	0	20.73
64QAM	714.5	23165	3	8	4	20.79
64QAM	714.5	23165	3	8	7	20.72
64QAM	714.5	23165	3	15	0	20.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	23.43
QPSK	701.5	23035	5	1	12	23.28
QPSK	701.5	23035	5	1	24	23.33
QPSK	701.5	23035	5	12	0	22.69
QPSK	701.5	23035	5	12	7	22.70
QPSK	701.5	23035	5	12	13	22.68
QPSK	701.5	23035	5	25	0	22.87
QPSK	707.5	23095	5	1	0	23.38
QPSK	707.5	23095	5	1	12	23.12
QPSK	707.5	23095	5	1	24	23.52
QPSK	707.5	23095	5	12	0	22.55
QPSK	707.5	23095	5	12	7	22.64
QPSK	707.5	23095	5	12	13	22.73
QPSK	707.5	23095	5	25	0	22.66
QPSK	713.5	23155	5	1	0	23.56
QPSK	713.5	23155	5	1	12	23.40
QPSK	713.5	23155	5	1	24	23.47
QPSK	713.5	23155	5	12	0	22.75
QPSK	713.5	23155	5	12	7	22.70
QPSK	713.5	23155	5	12	13	22.82
QPSK	713.5	23155	5	25	0	22.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	701.5	23035	5	1	0	22.93
16QAM	701.5	23035	5	1	12	22.61
16QAM	701.5	23035	5	1	24	22.91
16QAM	701.5	23035	5	12	0	21.74
16QAM	701.5	23035	5	12	7	21.68
16QAM	701.5	23035	5	12	13	21.72
16QAM	701.5	23035	5	25	0	21.71
16QAM	707.5	23095	5	1	0	23.12
16QAM	707.5	23095	5	1	12	23.09
16QAM	707.5	23095	5	1	24	23.15
16QAM	707.5	23095	5	12	0	21.64
16QAM	707.5	23095	5	12	7	21.62
16QAM	707.5	23095	5	12	13	21.61
16QAM	707.5	23095	5	25	0	21.66
16QAM	713.5	23155	5	1	0	23.05
16QAM	713.5	23155	5	1	12	23.06
16QAM	713.5	23155	5	1	24	23.02
16QAM	713.5	23155	5	12	0	21.65
16QAM	713.5	23155	5	12	7	21.60
16QAM	713.5	23155	5	12	13	21.59
16QAM	713.5	23155	5	25	0	21.66
64QAM	701.5	23035	5	1	0	21.74
64QAM	701.5	23035	5	1	12	21.84
64QAM	701.5	23035	5	1	24	21.82
64QAM	701.5	23035	5	12	0	20.69
64QAM	701.5	23035	5	12	7	20.81
64QAM	701.5	23035	5	12	13	20.67
64QAM	701.5	23035	5	25	0	20.69
64QAM	707.5	23095	5	1	0	21.95
64QAM	707.5	23095	5	1	12	21.98
64QAM	707.5	23095	5	1	24	21.81
64QAM	707.5	23095	5	12	0	20.65
64QAM	707.5	23095	5	12	7	20.73
64QAM	707.5	23095	5	12	13	20.62
64QAM	707.5	23095	5	25	0	20.70
64QAM	713.5	23155	5	1	0	21.86
64QAM	713.5	23155	5	1	12	21.82
64QAM	713.5	23155	5	1	24	21.93
64QAM	713.5	23155	5	12	0	20.74
64QAM	713.5	23155	5	12	7	20.67
64QAM	713.5	23155	5	12	13	20.79
64QAM	713.5	23155	5	25	0	20.68

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	23.44
QPSK	704	23060	10	1	25	23.30
QPSK	704	23060	10	1	49	23.30
QPSK	704	23060	10	25	0	22.77
QPSK	704	23060	10	25	12	22.76
QPSK	704	23060	10	25	25	22.69
QPSK	704	23060	10	50	0	22.88
QPSK	707.5	23095	10	1	0	23.32
QPSK	707.5	23095	10	1	25	23.31
QPSK	707.5	23095	10	1	49	23.51
QPSK	707.5	23095	10	25	0	22.69
QPSK	707.5	23095	10	25	12	22.71
QPSK	707.5	23095	10	25	25	22.69
QPSK	707.5	23095	10	50	0	22.79
QPSK	711	23130	10	1	0	23.45
QPSK	711	23130	10	1	25	23.51
QPSK	711	23130	10	1	49	23.53
QPSK	711	23130	10	25	0	22.69
QPSK	711	23130	10	25	12	22.68
QPSK	711	23130	10	25	25	22.85
QPSK	711	23130	10	50	0	22.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704	23060	10	1	0	23.71
16QAM	704	23060	10	1	25	23.57
16QAM	704	23060	10	1	49	23.77
16QAM	704	23060	10	25	0	21.69
16QAM	704	23060	10	25	12	21.84
16QAM	704	23060	10	25	25	21.64
16QAM	704	23060	10	50	0	21.79
16QAM	707.5	23095	10	1	0	22.89
16QAM	707.5	23095	10	1	25	22.81
16QAM	707.5	23095	10	1	49	22.92
16QAM	707.5	23095	10	25	0	21.67
16QAM	707.5	23095	10	25	12	21.79
16QAM	707.5	23095	10	25	25	21.80
16QAM	707.5	23095	10	50	0	21.70
16QAM	711	23130	10	1	0	22.91
16QAM	711	23130	10	1	25	22.96
16QAM	711	23130	10	1	49	22.91
16QAM	711	23130	10	25	0	21.70
16QAM	711	23130	10	25	12	21.73
16QAM	711	23130	10	25	25	21.70
16QAM	711	23130	10	50	0	21.68
64QAM	704	23060	10	1	0	22.04
64QAM	704	23060	10	1	25	22.32
64QAM	704	23060	10	1	49	22.09
64QAM	704	23060	10	25	0	20.78
64QAM	704	23060	10	25	12	20.84
64QAM	704	23060	10	25	25	20.83
64QAM	704	23060	10	50	0	20.85
64QAM	707.5	23095	10	1	0	21.73
64QAM	707.5	23095	10	1	25	21.76
64QAM	707.5	23095	10	1	49	21.84
64QAM	707.5	23095	10	25	0	20.74
64QAM	707.5	23095	10	25	12	20.75
64QAM	707.5	23095	10	25	25	20.78
64QAM	707.5	23095	10	50	0	20.78
64QAM	711	23130	10	1	0	21.85
64QAM	711	23130	10	1	25	22.01
64QAM	711	23130	10	1	49	21.86
64QAM	711	23130	10	25	0	20.72
64QAM	711	23130	10	25	12	20.88
64QAM	711	23130	10	25	25	21.03
64QAM	711	23130	10	50	0	20.75

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.072	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.075	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.080	Fig.3
12	QPSK	700.5	23025	3	15	0	2.668	Fig.4
12	QPSK	707.5	23095	3	15	0	2.683	Fig.5
12	QPSK	714.5	23165	3	15	0	2.679	Fig.6
12	QPSK	701.5	23035	5	25	0	4.469	Fig.7
12	QPSK	707.5	23095	5	25	0	4.452	Fig.8
12	QPSK	713.5	23155	5	25	0	4.451	Fig.9
12	QPSK	704	23060	10	50	0	8.921	Fig.10
12	QPSK	707.5	23095	10	50	0	8.881	Fig.11
12	QPSK	711	23130	10	50	0	8.904	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.074	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.075	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.072	Fig.15
12	16QAM	700.5	23025	3	15	0	2.664	Fig.16
12	16QAM	707.5	23095	3	15	0	2.674	Fig.17
12	16QAM	714.5	23165	3	15	0	2.673	Fig.18
12	16QAM	701.5	23035	5	25	0	4.465	Fig.19
12	16QAM	707.5	23095	5	25	0	4.451	Fig.20
12	16QAM	713.5	23155	5	25	0	4.445	Fig.21
12	16QAM	704	23060	10	50	0	8.893	Fig.22
12	16QAM	707.5	23095	10	50	0	8.886	Fig.23
12	16QAM	711	23130	10	50	0	8.862	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.074	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.075	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.077	Fig.27
12	64QAM	700.5	23025	3	15	0	2.687	Fig.28
12	64QAM	707.5	23095	3	15	0	2.676	Fig.29
12	64QAM	714.5	23165	3	15	0	2.677	Fig.30
12	64QAM	701.5	23035	5	25	0	4.466	Fig.31
12	64QAM	707.5	23095	5	25	0	4.479	Fig.32
12	64QAM	713.5	23155	5	25	0	4.467	Fig.33
12	64QAM	704	23060	10	50	0	8.891	Fig.34
12	64QAM	707.5	23095	10	50	0	8.943	Fig.35
12	64QAM	711	23130	10	50	0	8.839	Fig.36

Test Mode: QPSK

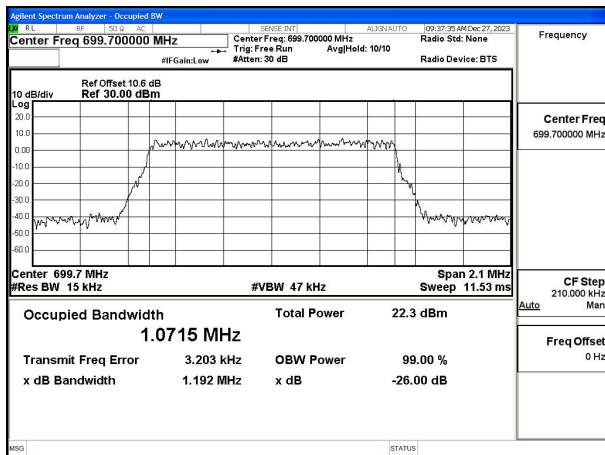


Fig.1

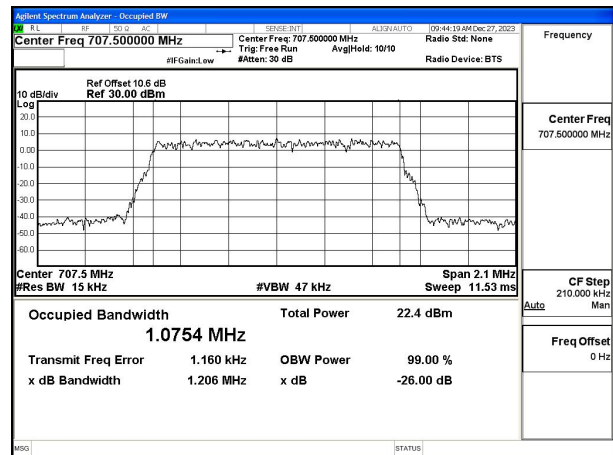


Fig.2

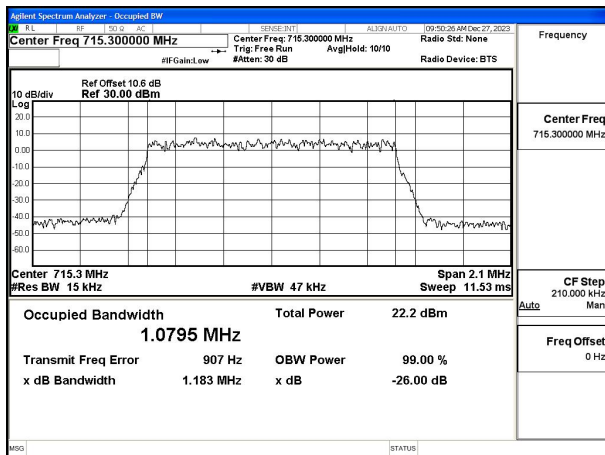


Fig.3

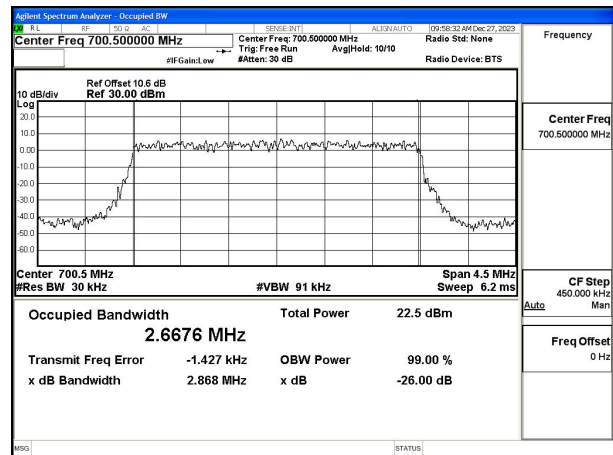


Fig.4

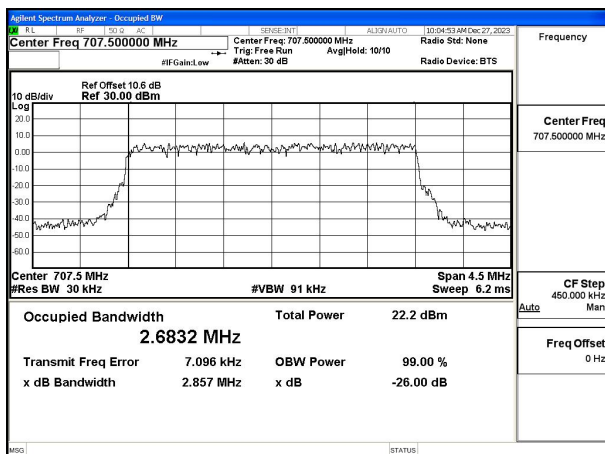


Fig.5

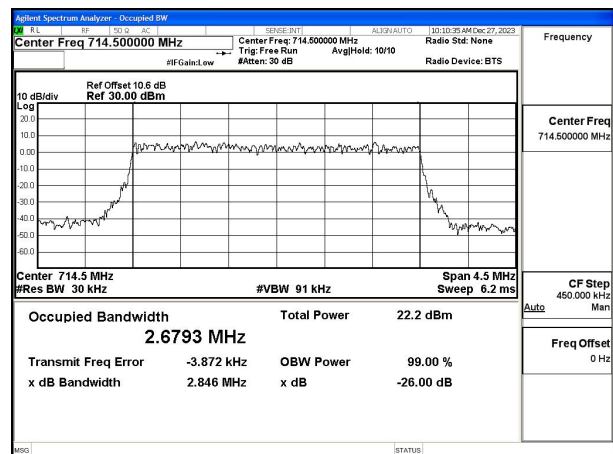


Fig.6

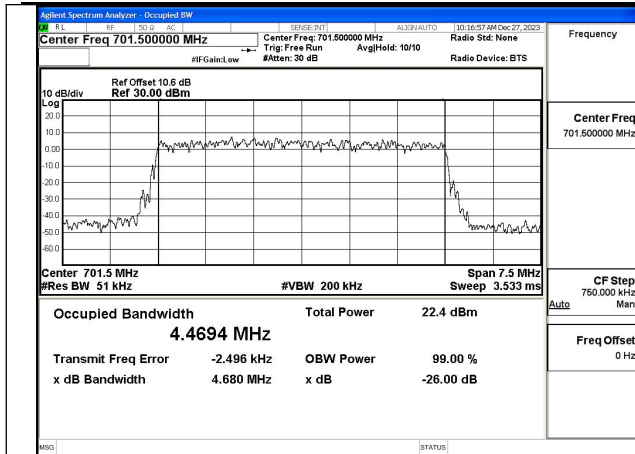


Fig.7

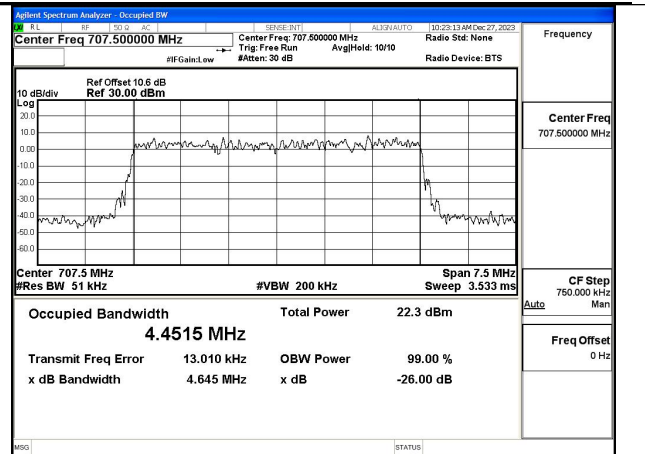


Fig.8

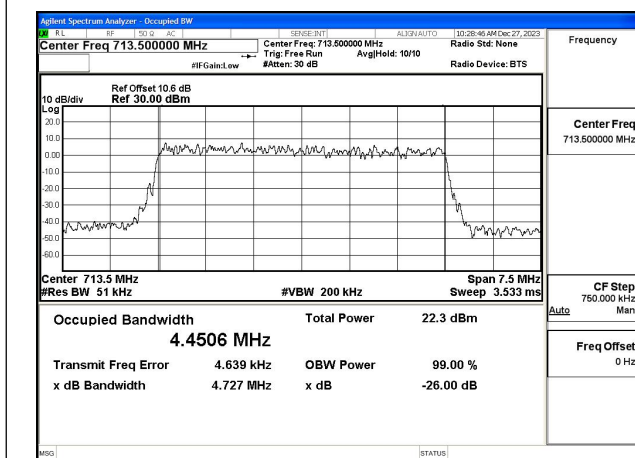


Fig.9

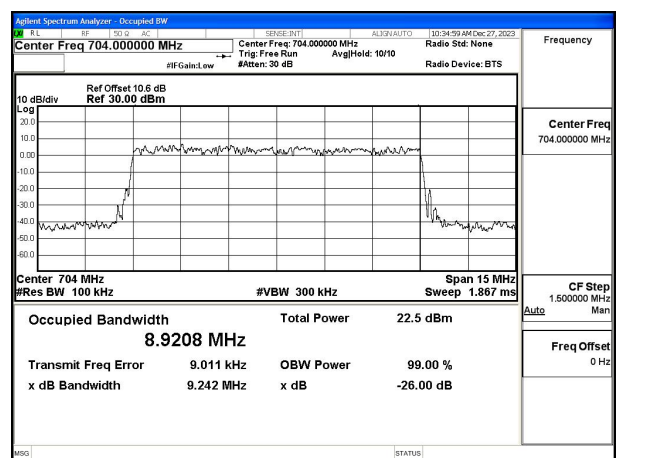


Fig.10

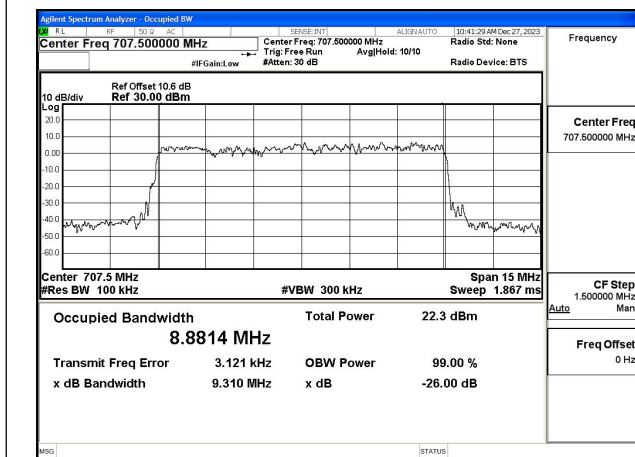


Fig.11

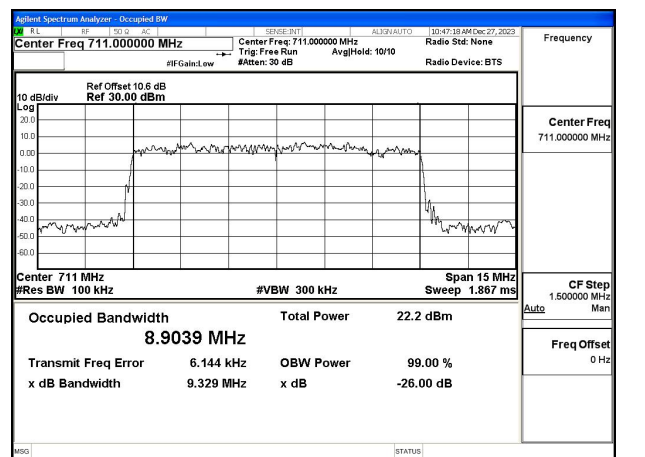


Fig.12

Test Mode: 16QAM

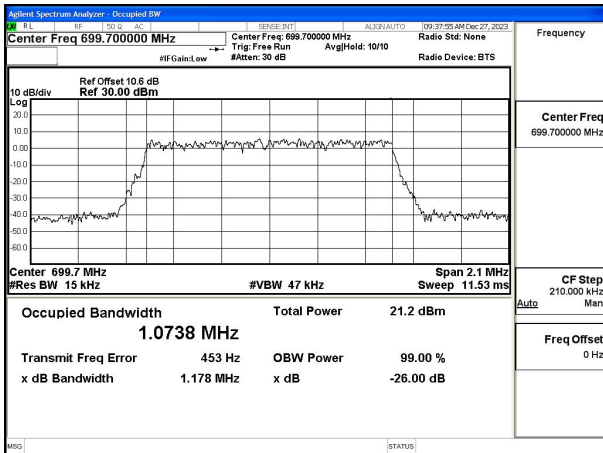


Fig.13

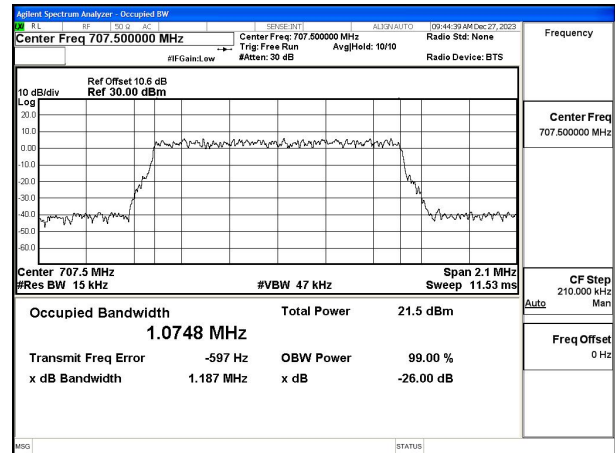


Fig.14

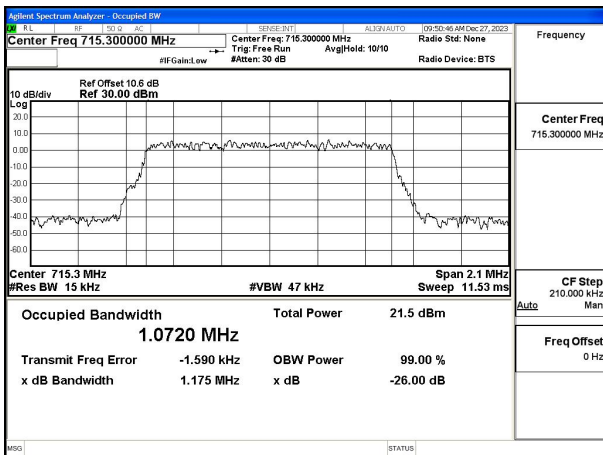


Fig.15

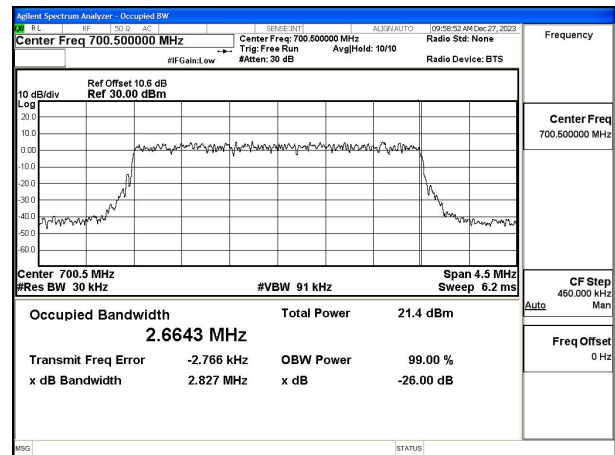


Fig.16

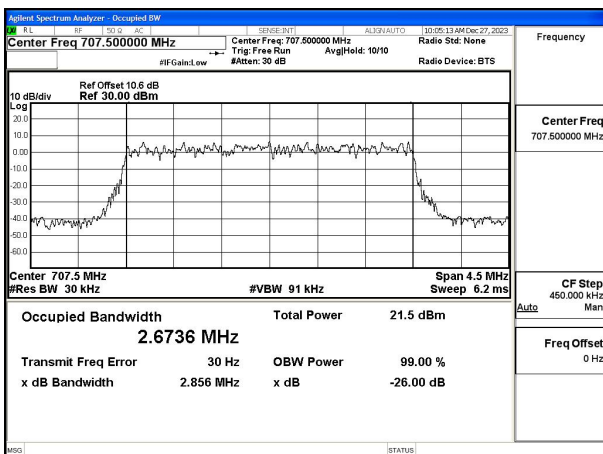


Fig.17

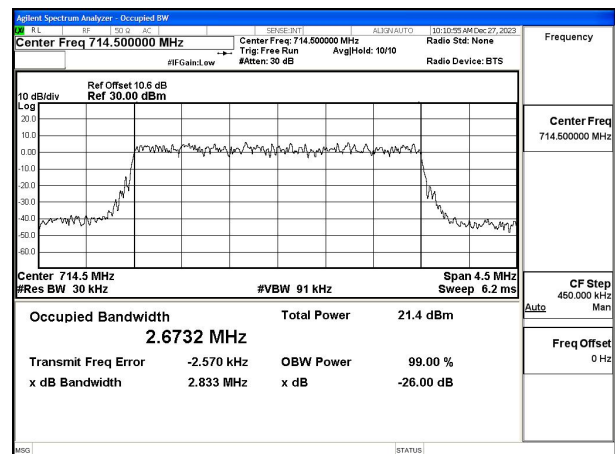


Fig.18

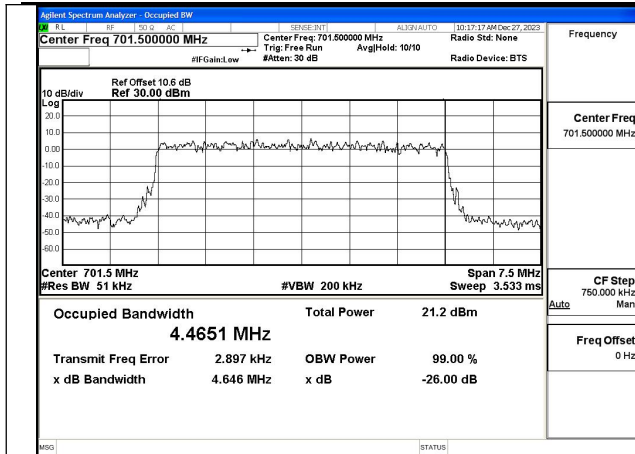


Fig.19

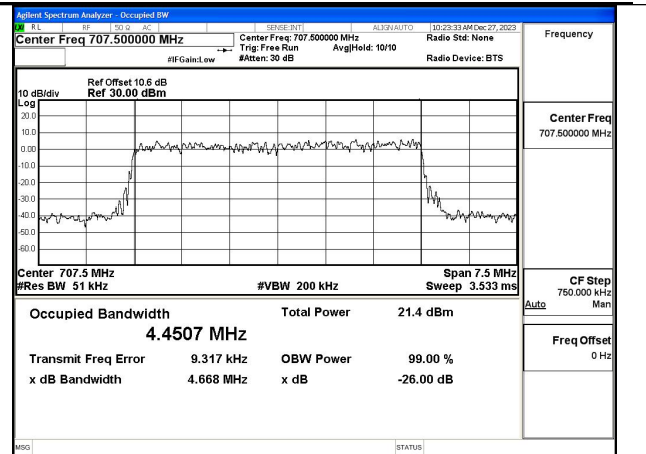


Fig.20

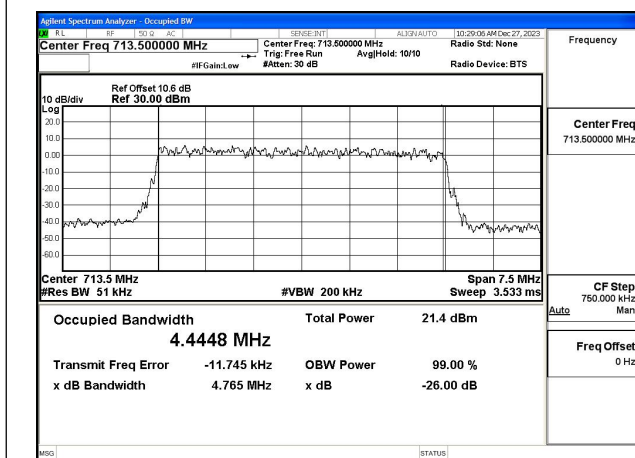


Fig.21

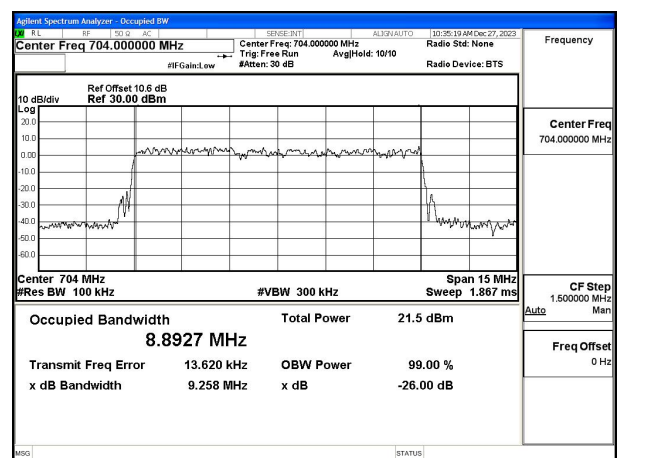


Fig.22

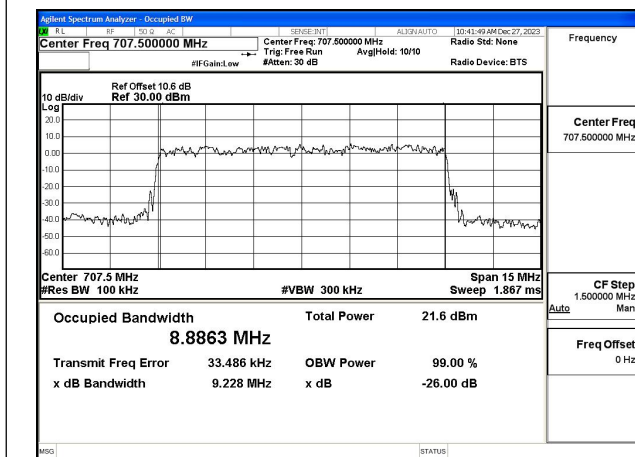


Fig.23

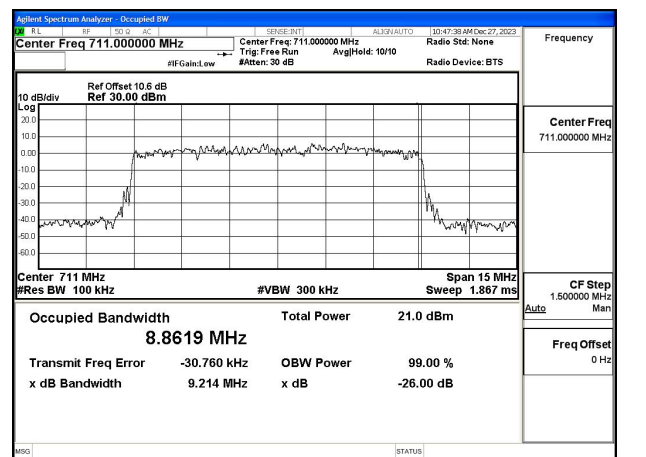


Fig.24

Test Mode: 64QAM

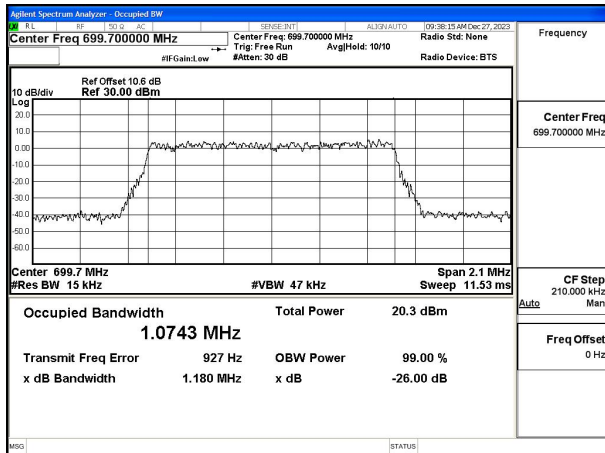


Fig.25

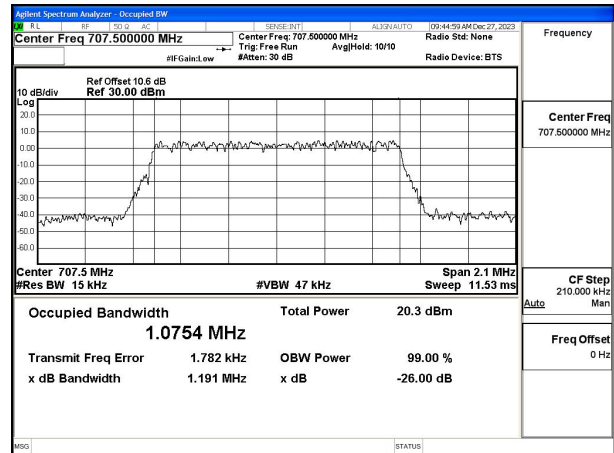


Fig.26

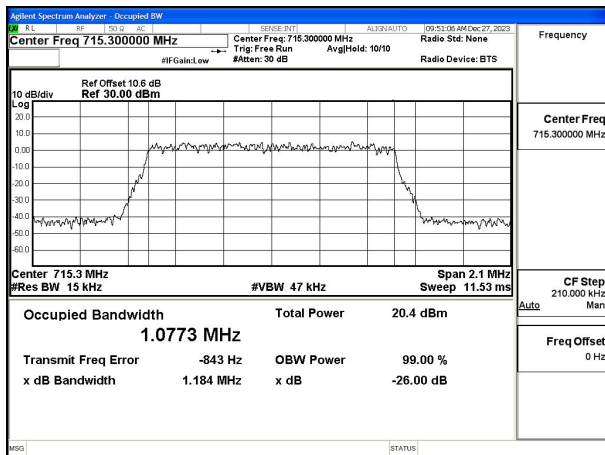


Fig.27

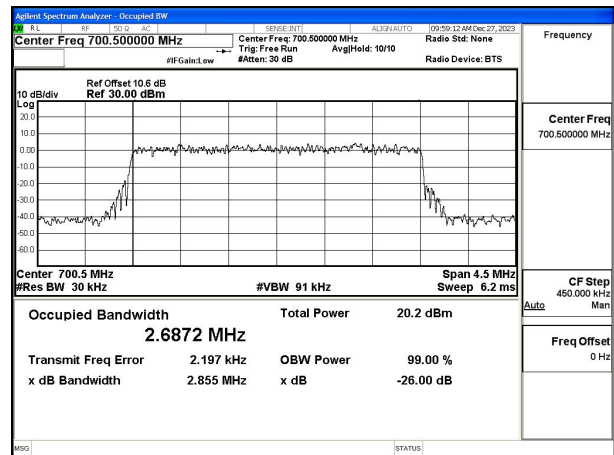


Fig.28

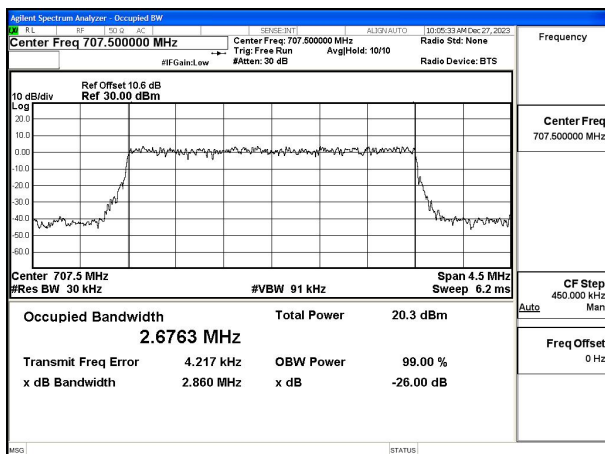


Fig.29

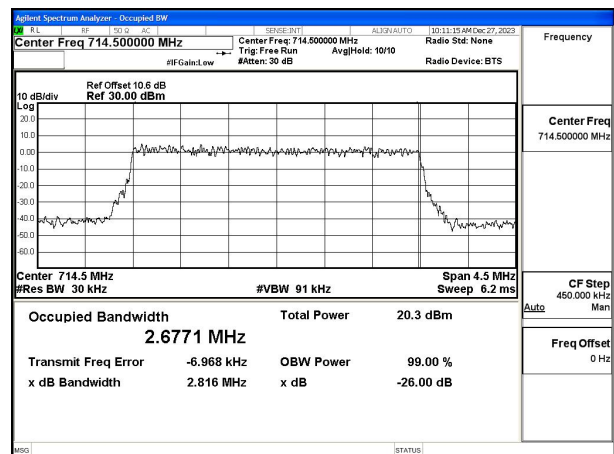


Fig.30

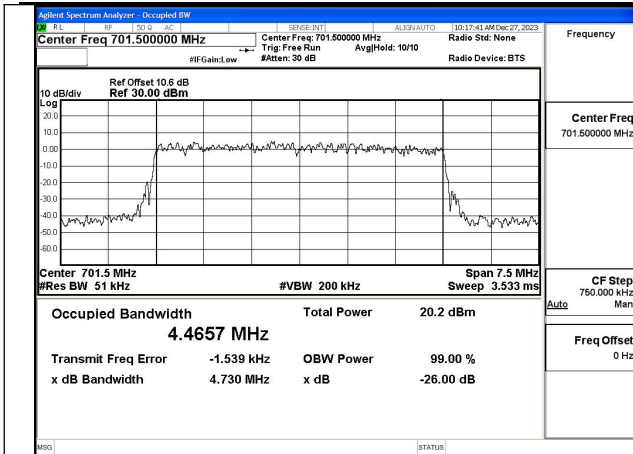


Fig.31

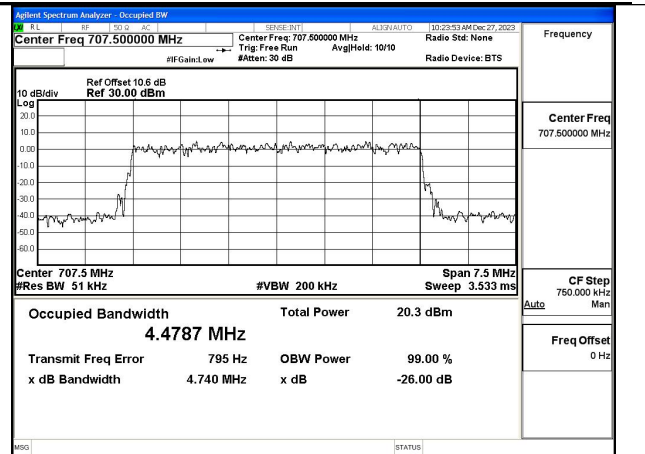


Fig.32

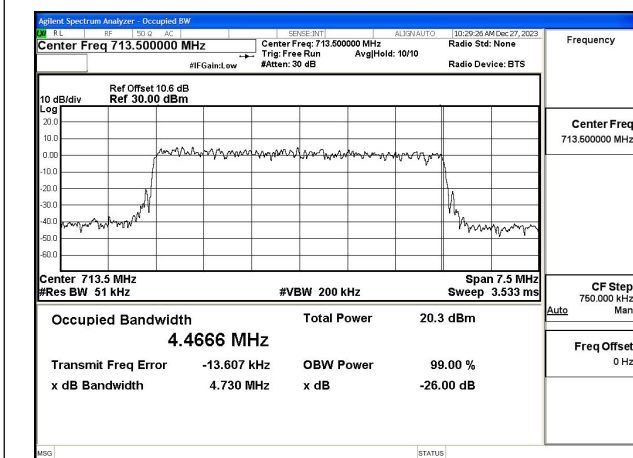


Fig.33

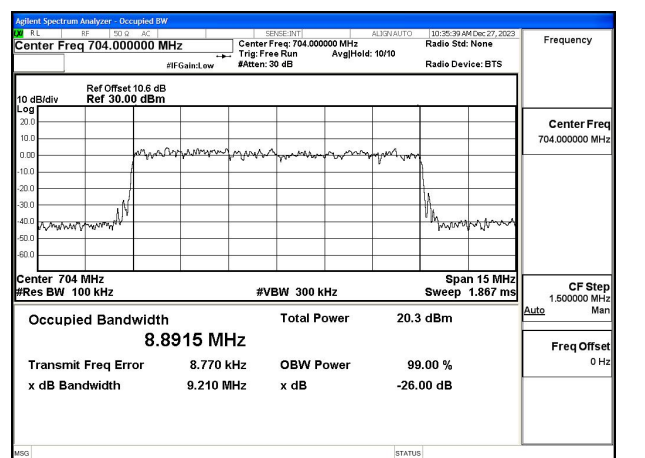


Fig.34

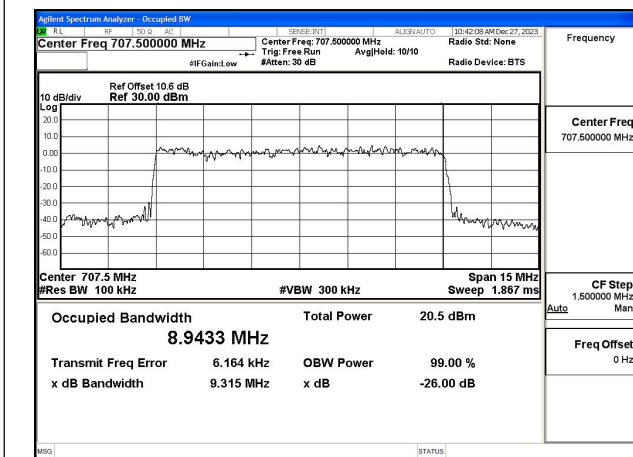


Fig.35

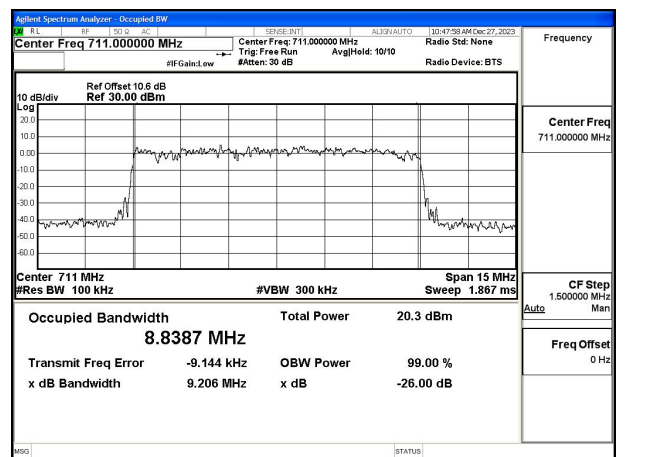


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.192	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.206	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.183	Fig.3
12	QPSK	700.5	23025	3	15	0	2.868	Fig.4
12	QPSK	707.5	23095	3	15	0	2.857	Fig.5
12	QPSK	714.5	23165	3	15	0	2.846	Fig.6
12	QPSK	701.5	23035	5	25	0	4.680	Fig.7
12	QPSK	707.5	23095	5	25	0	4.645	Fig.8
12	QPSK	713.5	23155	5	25	0	4.727	Fig.9
12	QPSK	704	23060	10	50	0	9.242	Fig.10
12	QPSK	707.5	23095	10	50	0	9.310	Fig.11
12	QPSK	711	23130	10	50	0	9.329	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.178	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.187	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.175	Fig.15
12	16QAM	700.5	23025	3	15	0	2.827	Fig.16
12	16QAM	707.5	23095	3	15	0	2.856	Fig.17
12	16QAM	714.5	23165	3	15	0	2.833	Fig.18
12	16QAM	701.5	23035	5	25	0	4.646	Fig.19
12	16QAM	707.5	23095	5	25	0	4.668	Fig.20
12	16QAM	713.5	23155	5	25	0	4.765	Fig.21
12	16QAM	704	23060	10	50	0	9.258	Fig.22
12	16QAM	707.5	23095	10	50	0	9.228	Fig.23
12	16QAM	711	23130	10	50	0	9.214	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.180	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.191	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.184	Fig.27
12	64QAM	700.5	23025	3	15	0	2.855	Fig.28
12	64QAM	707.5	23095	3	15	0	2.860	Fig.29
12	64QAM	714.5	23165	3	15	0	2.816	Fig.30
12	64QAM	701.5	23035	5	25	0	4.730	Fig.31
12	64QAM	707.5	23095	5	25	0	4.740	Fig.32
12	64QAM	713.5	23155	5	25	0	4.730	Fig.33
12	64QAM	704	23060	10	50	0	9.210	Fig.34
12	64QAM	707.5	23095	10	50	0	9.315	Fig.35
12	64QAM	711	23130	10	50	0	9.206	Fig.36

Test Mode: QPSK

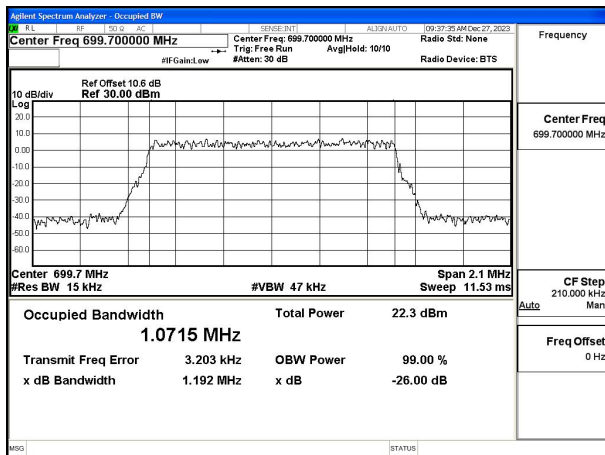


Fig.1

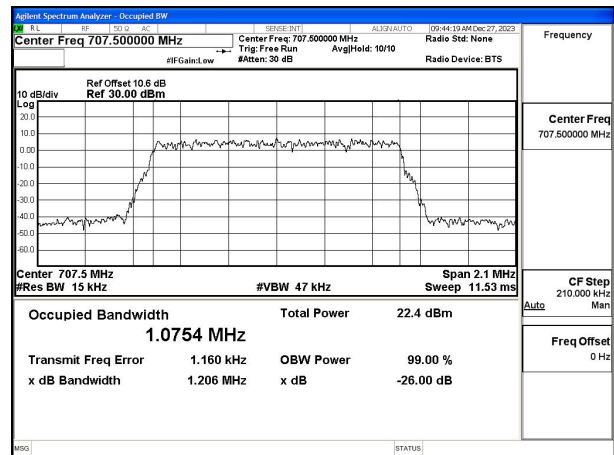


Fig.2

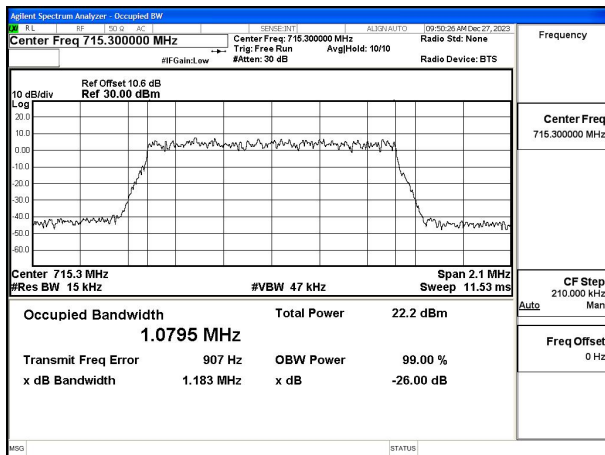


Fig.3

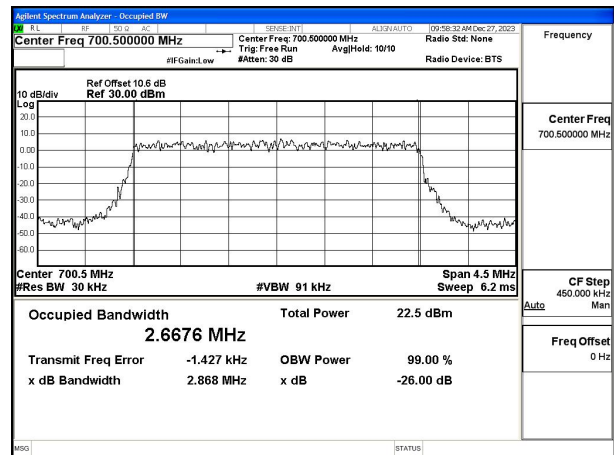


Fig.4

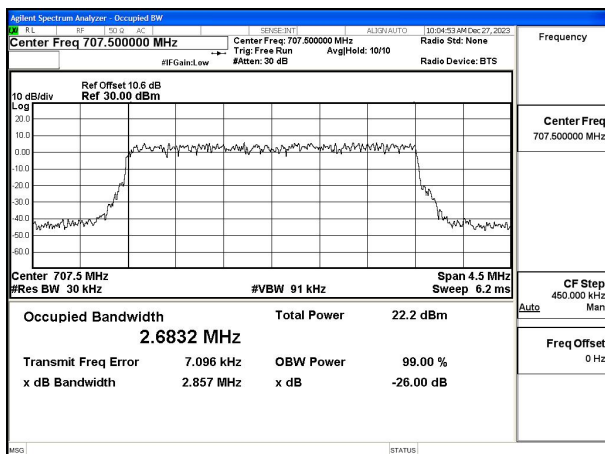


Fig.5

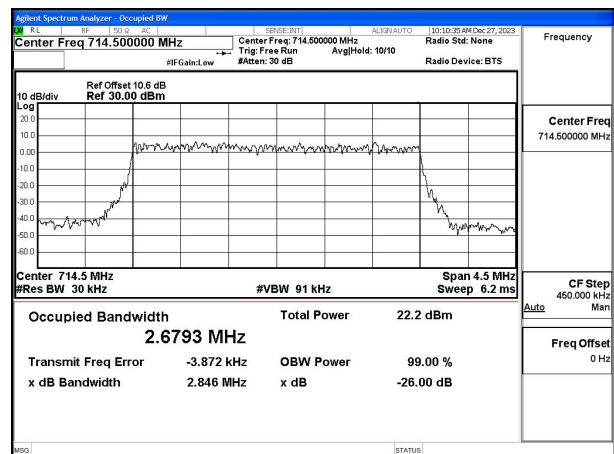


Fig.6