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	23.02
QPSK	699.7	23017	1.4	1	3	23.00
QPSK	699.7	23017	1.4	1	5	23.08
QPSK	699.7	23017	1.4	3	0	23.07
QPSK	699.7	23017	1.4	3	1	23.13
QPSK	699.7	23017	1.4	3	3	23.01
QPSK	699.7	23017	1.4	6	0	22.13
QPSK	707.5	23095	1.4	1	0	22.48
QPSK	707.5	23095	1.4	1	3	22.65
QPSK	707.5	23095	1.4	1	5	22.49
QPSK	707.5	23095	1.4	3	0	22.73
QPSK	707.5	23095	1.4	3	1	22.67
QPSK	707.5	23095	1.4	3	3	22.54
QPSK	707.5	23095	1.4	6	0	21.60
QPSK	715.3	23173	1.4	1	0	22.58
QPSK	715.3	23173	1.4	1	3	22.85
QPSK	715.3	23173	1.4	1	5	22.53
QPSK	715.3	23173	1.4	3	0	22.56
QPSK	715.3	23173	1.4	3	1	22.64
QPSK	715.3	23173	1.4	3	3	22.64
QPSK	715.3	23173	1.4	6	0	21.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	699.7	23017	1.4	1	0	22.12
16QAM	699.7	23017	1.4	1	3	22.33
16QAM	699.7	23017	1.4	1	5	22.16
16QAM	699.7	23017	1.4	3	0	21.93
16QAM	699.7	23017	1.4	3	1	21.96
16QAM	699.7	23017	1.4	3	3	21.84
16QAM	699.7	23017	1.4	6	0	21.16
16QAM	707.5	23095	1.4	1	0	21.40
16QAM	707.5	23095	1.4	1	3	21.63
16QAM	707.5	23095	1.4	1	5	21.45
16QAM	707.5	23095	1.4	3	0	21.52
16QAM	707.5	23095	1.4	3	1	21.58
16QAM	707.5	23095	1.4	3	3	21.53
16QAM	707.5	23095	1.4	6	0	20.75
16QAM	715.3	23173	1.4	1	0	21.68
16QAM	715.3	23173	1.4	1	3	21.83
16QAM	715.3	23173	1.4	1	5	21.68
16QAM	715.3	23173	1.4	3	0	21.59
16QAM	715.3	23173	1.4	3	1	21.66
16QAM	715.3	23173	1.4	3	3	21.44
16QAM	715.3	23173	1.4	6	0	20.66
64QAM	699.7	23017	1.4	1	0	21.14
64QAM	699.7	23017	1.4	1	3	21.26
64QAM	699.7	23017	1.4	1	5	21.24
64QAM	699.7	23017	1.4	3	0	20.99
64QAM	699.7	23017	1.4	3	1	21.06
64QAM	699.7	23017	1.4	3	3	21.10
64QAM	699.7	23017	1.4	6	0	20.07
64QAM	707.5	23095	1.4	1	0	20.82
64QAM	707.5	23095	1.4	1	3	21.13
64QAM	707.5	23095	1.4	1	5	20.82
64QAM	707.5	23095	1.4	3	0	20.88
64QAM	707.5	23095	1.4	3	1	20.94
64QAM	707.5	23095	1.4	3	3	20.91
64QAM	707.5	23095	1.4	6	0	19.51
64QAM	715.3	23173	1.4	1	0	20.69
64QAM	715.3	23173	1.4	1	3	20.86
64QAM	715.3	23173	1.4	1	5	20.67
64QAM	715.3	23173	1.4	3	0	20.69
64QAM	715.3	23173	1.4	3	1	20.69
64QAM	715.3	23173	1.4	3	3	20.67
64QAM	715.3	23173	1.4	6	0	19.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	22.48
QPSK	700.5	23025	3	1	8	22.54
QPSK	700.5	23025	3	1	14	22.58
QPSK	700.5	23025	3	8	0	21.53
QPSK	700.5	23025	3	8	4	21.59
QPSK	700.5	23025	3	8	7	21.52
QPSK	700.5	23025	3	15	0	21.56
QPSK	707.5	23095	3	1	0	22.58
QPSK	707.5	23095	3	1	8	22.52
QPSK	707.5	23095	3	1	14	22.49
QPSK	707.5	23095	3	8	0	21.49
QPSK	707.5	23095	3	8	4	21.58
QPSK	707.5	23095	3	8	7	21.53
QPSK	707.5	23095	3	15	0	21.50
QPSK	714.5	23165	3	1	0	22.58
QPSK	714.5	23165	3	1	8	22.59
QPSK	714.5	23165	3	1	14	22.58
QPSK	714.5	23165	3	8	0	21.53
QPSK	714.5	23165	3	8	4	21.56
QPSK	714.5	23165	3	8	7	21.54
QPSK	714.5	23165	3	15	0	21.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	700.5	23025	3	1	0	22.04
16QAM	700.5	23025	3	1	8	22.08
16QAM	700.5	23025	3	1	14	22.13
16QAM	700.5	23025	3	8	0	20.68
16QAM	700.5	23025	3	8	4	20.60
16QAM	700.5	23025	3	8	7	20.61
16QAM	700.5	23025	3	15	0	20.54
16QAM	707.5	23095	3	1	0	21.75
16QAM	707.5	23095	3	1	8	21.69
16QAM	707.5	23095	3	1	14	21.68
16QAM	707.5	23095	3	8	0	20.52
16QAM	707.5	23095	3	8	4	20.49
16QAM	707.5	23095	3	8	7	20.47
16QAM	707.5	23095	3	15	0	20.54
16QAM	714.5	23165	3	1	0	21.73
16QAM	714.5	23165	3	1	8	21.72
16QAM	714.5	23165	3	1	14	21.70
16QAM	714.5	23165	3	8	0	20.57
16QAM	714.5	23165	3	8	4	20.56
16QAM	714.5	23165	3	8	7	20.57
16QAM	714.5	23165	3	15	0	20.61
64QAM	700.5	23025	3	1	0	20.85
64QAM	700.5	23025	3	1	8	20.93
64QAM	700.5	23025	3	1	14	20.88
64QAM	700.5	23025	3	8	0	19.65
64QAM	700.5	23025	3	8	4	19.52
64QAM	700.5	23025	3	8	7	19.61
64QAM	700.5	23025	3	15	0	19.53
64QAM	707.5	23095	3	1	0	20.63
64QAM	707.5	23095	3	1	8	20.74
64QAM	707.5	23095	3	1	14	20.68
64QAM	707.5	23095	3	8	0	19.59
64QAM	707.5	23095	3	8	4	19.57
64QAM	707.5	23095	3	8	7	19.60
64QAM	707.5	23095	3	15	0	19.56
64QAM	714.5	23165	3	1	0	20.77
64QAM	714.5	23165	3	1	8	20.70
64QAM	714.5	23165	3	1	14	20.71
64QAM	714.5	23165	3	8	0	19.59
64QAM	714.5	23165	3	8	4	19.52
64QAM	714.5	23165	3	8	7	19.49
64QAM	714.5	23165	3	15	0	19.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	22.40
QPSK	701.5	23035	5	1	12	22.62
QPSK	701.5	23035	5	1	24	22.35
QPSK	701.5	23035	5	12	0	21.53
QPSK	701.5	23035	5	12	7	21.61
QPSK	701.5	23035	5	12	13	21.53
QPSK	701.5	23035	5	25	0	21.49
QPSK	707.5	23095	5	1	0	22.45
QPSK	707.5	23095	5	1	12	22.76
QPSK	707.5	23095	5	1	24	22.53
QPSK	707.5	23095	5	12	0	21.52
QPSK	707.5	23095	5	12	7	21.55
QPSK	707.5	23095	5	12	13	21.57
QPSK	707.5	23095	5	25	0	21.55
QPSK	713.5	23155	5	1	0	22.48
QPSK	713.5	23155	5	1	12	22.72
QPSK	713.5	23155	5	1	24	22.49
QPSK	713.5	23155	5	12	0	21.53
QPSK	713.5	23155	5	12	7	21.63
QPSK	713.5	23155	5	12	13	21.58
QPSK	713.5	23155	5	25	0	21.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	701.5	23035	5	1	0	21.54
16QAM	701.5	23035	5	1	12	21.82
16QAM	701.5	23035	5	1	24	21.63
16QAM	701.5	23035	5	12	0	20.49
16QAM	701.5	23035	5	12	7	20.56
16QAM	701.5	23035	5	12	13	20.45
16QAM	701.5	23035	5	25	0	20.43
16QAM	707.5	23095	5	1	0	21.81
16QAM	707.5	23095	5	1	12	22.05
16QAM	707.5	23095	5	1	24	21.83
16QAM	707.5	23095	5	12	0	20.48
16QAM	707.5	23095	5	12	7	20.53
16QAM	707.5	23095	5	12	13	20.54
16QAM	707.5	23095	5	25	0	20.53
16QAM	713.5	23155	5	1	0	21.65
16QAM	713.5	23155	5	1	12	21.89
16QAM	713.5	23155	5	1	24	21.65
16QAM	713.5	23155	5	12	0	20.47
16QAM	713.5	23155	5	12	7	20.60
16QAM	713.5	23155	5	12	13	20.48
16QAM	713.5	23155	5	25	0	20.58
64QAM	701.5	23035	5	1	0	20.51
64QAM	701.5	23035	5	1	12	20.83
64QAM	701.5	23035	5	1	24	20.57
64QAM	701.5	23035	5	12	0	19.59
64QAM	701.5	23035	5	12	7	19.64
64QAM	701.5	23035	5	12	13	19.57
64QAM	701.5	23035	5	25	0	19.49
64QAM	707.5	23095	5	1	0	20.65
64QAM	707.5	23095	5	1	12	20.91
64QAM	707.5	23095	5	1	24	20.71
64QAM	707.5	23095	5	12	0	19.50
64QAM	707.5	23095	5	12	7	19.53
64QAM	707.5	23095	5	12	13	19.48
64QAM	707.5	23095	5	25	0	19.53
64QAM	713.5	23155	5	1	0	20.59
64QAM	713.5	23155	5	1	12	20.95
64QAM	713.5	23155	5	1	24	20.68
64QAM	713.5	23155	5	12	0	19.56
64QAM	713.5	23155	5	12	7	19.68
64QAM	713.5	23155	5	12	13	19.59
64QAM	713.5	23155	5	25	0	19.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.49
QPSK	704	23060	10	1	25	22.74
QPSK	704	23060	10	1	49	22.51
QPSK	704	23060	10	25	0	21.63
QPSK	704	23060	10	25	12	21.61
QPSK	704	23060	10	25	25	21.52
QPSK	704	23060	10	50	0	21.63
QPSK	707.5	23095	10	1	0	22.55
QPSK	707.5	23095	10	1	25	22.81
QPSK	707.5	23095	10	1	49	22.55
QPSK	707.5	23095	10	25	0	21.59
QPSK	707.5	23095	10	25	12	21.62
QPSK	707.5	23095	10	25	25	21.63
QPSK	707.5	23095	10	50	0	21.64
QPSK	711	23130	10	1	0	22.62
QPSK	711	23130	10	1	25	22.70
QPSK	711	23130	10	1	49	22.64
QPSK	711	23130	10	25	0	21.50
QPSK	711	23130	10	25	12	21.64
QPSK	711	23130	10	25	25	21.53
QPSK	711	23130	10	50	0	21.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704	23060	10	1	0	22.04
16QAM	704	23060	10	1	25	22.27
16QAM	704	23060	10	1	49	22.09
16QAM	704	23060	10	25	0	20.63
16QAM	704	23060	10	25	12	20.61
16QAM	704	23060	10	25	25	20.63
16QAM	704	23060	10	50	0	20.62
16QAM	707.5	23095	10	1	0	21.79
16QAM	707.5	23095	10	1	25	21.84
16QAM	707.5	23095	10	1	49	21.77
16QAM	707.5	23095	10	25	0	20.64
16QAM	707.5	23095	10	25	12	20.67
16QAM	707.5	23095	10	25	25	20.62
16QAM	707.5	23095	10	50	0	20.66
16QAM	711	23130	10	1	0	21.68
16QAM	711	23130	10	1	25	21.92
16QAM	711	23130	10	1	49	21.72
16QAM	711	23130	10	25	0	20.64
16QAM	711	23130	10	25	12	20.62
16QAM	711	23130	10	25	25	20.64
16QAM	711	23130	10	50	0	20.61
64QAM	704	23060	10	1	0	20.81
64QAM	704	23060	10	1	25	21.10
64QAM	704	23060	10	1	49	20.88
64QAM	704	23060	10	25	0	19.64
64QAM	704	23060	10	25	12	19.72
64QAM	704	23060	10	25	25	19.69
64QAM	704	23060	10	50	0	19.58
64QAM	707.5	23095	10	1	0	20.71
64QAM	707.5	23095	10	1	25	20.87
64QAM	707.5	23095	10	1	49	20.68
64QAM	707.5	23095	10	25	0	19.71
64QAM	707.5	23095	10	25	12	19.72
64QAM	707.5	23095	10	25	25	19.72
64QAM	707.5	23095	10	50	0	19.72
64QAM	711	23130	10	1	0	20.74
64QAM	711	23130	10	1	25	20.97
64QAM	711	23130	10	1	49	20.69
64QAM	711	23130	10	25	0	19.66
64QAM	711	23130	10	25	12	19.75
64QAM	711	23130	10	25	25	19.68
64QAM	711	23130	10	50	0	19.63

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	1.075	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.074	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.069	Fig.3
12	QPSK	700.5	23025	3	15	0	2.676	Fig.4
12	QPSK	707.5	23095	3	15	0	2.672	Fig.5
12	QPSK	714.5	23165	3	15	0	2.673	Fig.6
12	QPSK	701.5	23035	5	25	0	4.458	Fig.7
12	QPSK	707.5	23095	5	25	0	4.473	Fig.8
12	QPSK	713.5	23155	5	25	0	4.477	Fig.9
12	QPSK	704	23060	10	50	0	8.863	Fig.10
12	QPSK	707.5	23095	10	50	0	8.924	Fig.11
12	QPSK	711	23130	10	50	0	8.928	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	1.076	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.079	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.077	Fig.15
12	16QAM	700.5	23025	3	15	0	2.671	Fig.16
12	16QAM	707.5	23095	3	15	0	2.676	Fig.17
12	16QAM	714.5	23165	3	15	0	2.676	Fig.18
12	16QAM	701.5	23035	5	25	0	4.462	Fig.19
12	16QAM	707.5	23095	5	25	0	4.464	Fig.20
12	16QAM	713.5	23155	5	25	0	4.464	Fig.21
12	16QAM	704	23060	10	50	0	8.939	Fig.22
12	16QAM	707.5	23095	10	50	0	8.911	Fig.23
12	16QAM	711	23130	10	50	0	8.933	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	1.068	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.070	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.074	Fig.27
12	64QAM	700.5	23025	3	15	0	2.681	Fig.28
12	64QAM	707.5	23095	3	15	0	2.676	Fig.29
12	64QAM	714.5	23165	3	15	0	2.683	Fig.30
12	64QAM	701.5	23035	5	25	0	4.455	Fig.31
12	64QAM	707.5	23095	5	25	0	4.453	Fig.32
12	64QAM	713.5	23155	5	25	0	4.478	Fig.33
12	64QAM	704	23060	10	50	0	8.906	Fig.34
12	64QAM	707.5	23095	10	50	0	8.930	Fig.35
12	64QAM	711	23130	10	50	0	8.933	Fig.36

Test Mode: QPSK

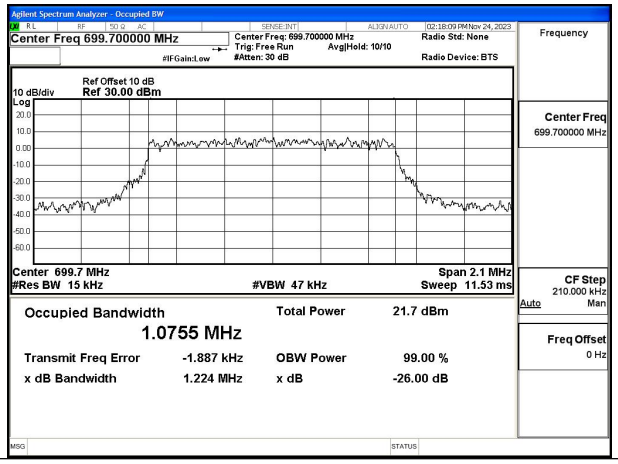

Fig.1

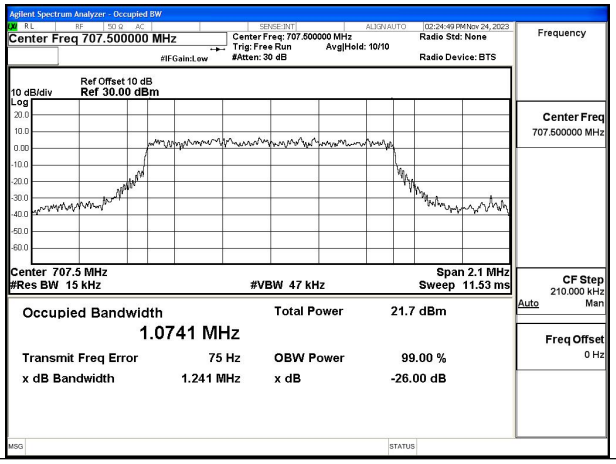

Fig.2

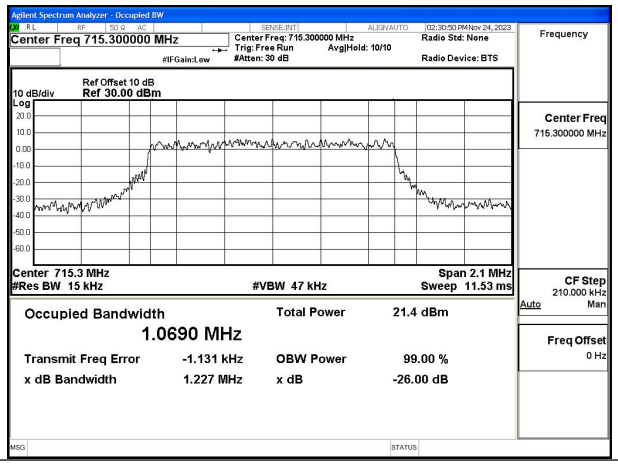

Fig.3

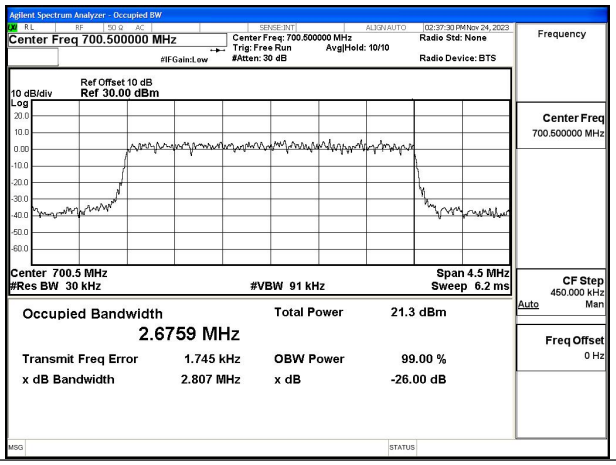

Fig.4

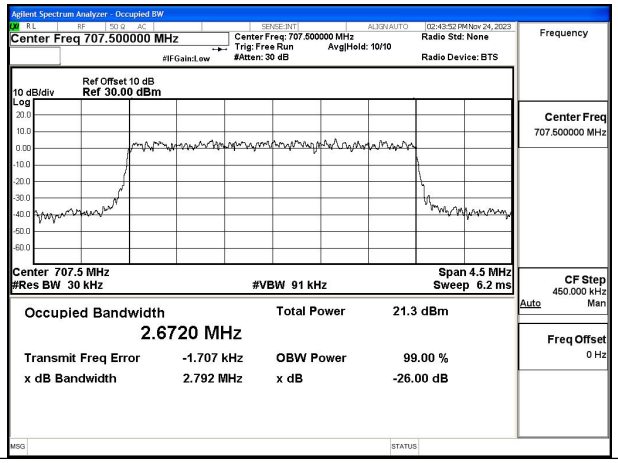

Fig.5

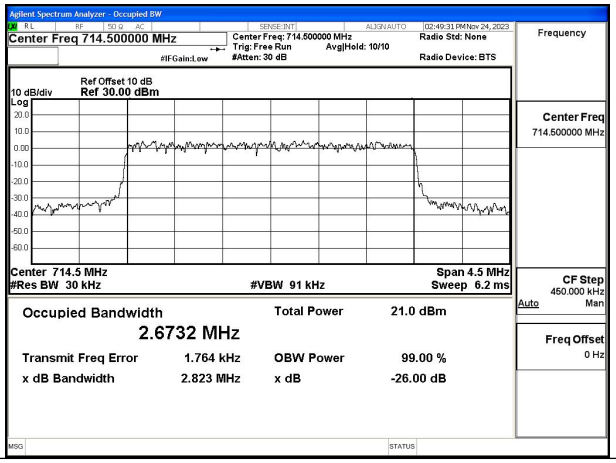

Fig.6

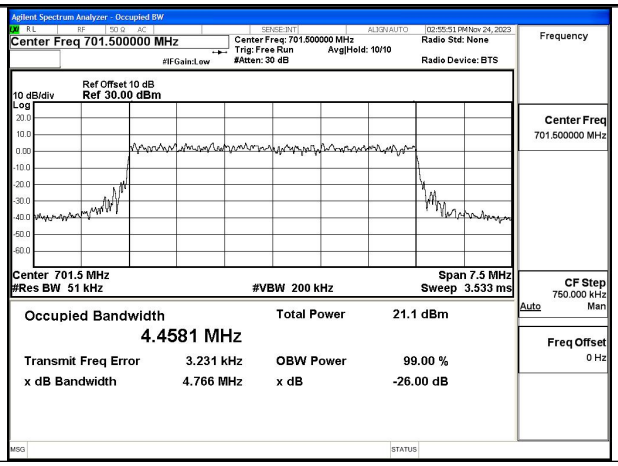

Fig.7

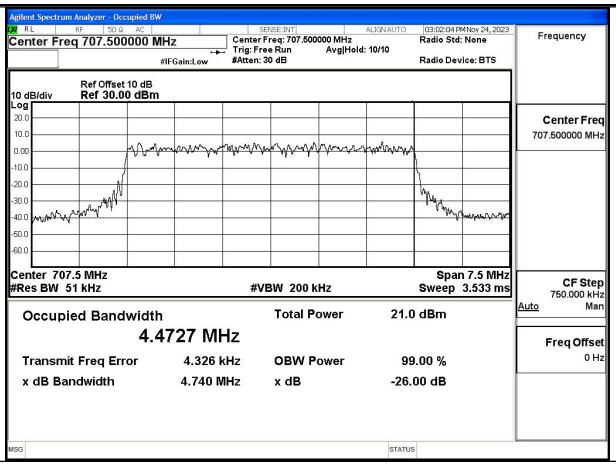

Fig.8

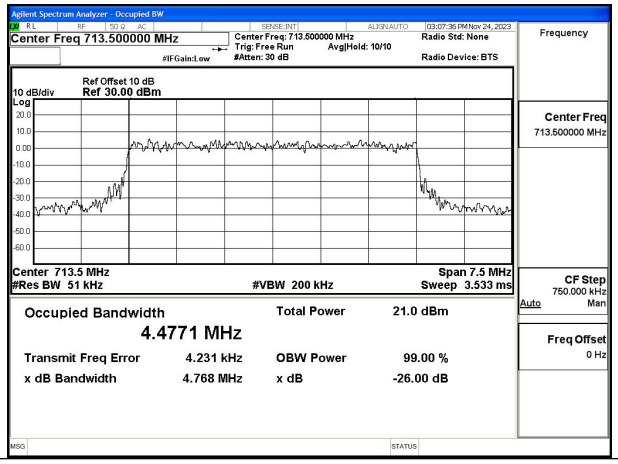

Fig.9

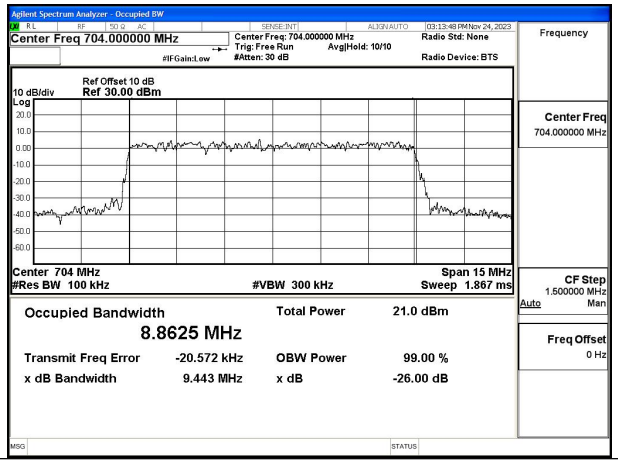

Fig.10

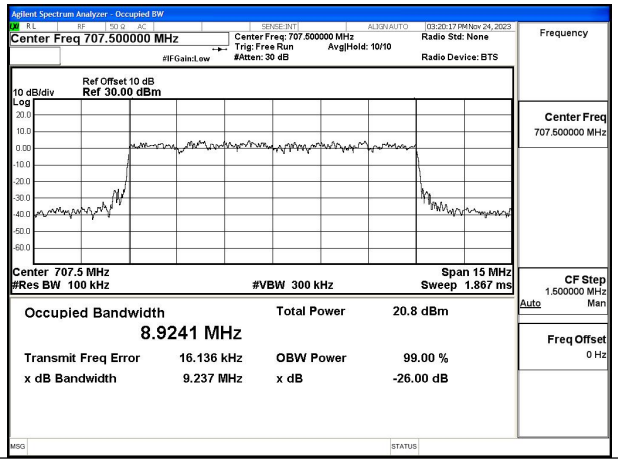

Fig.11

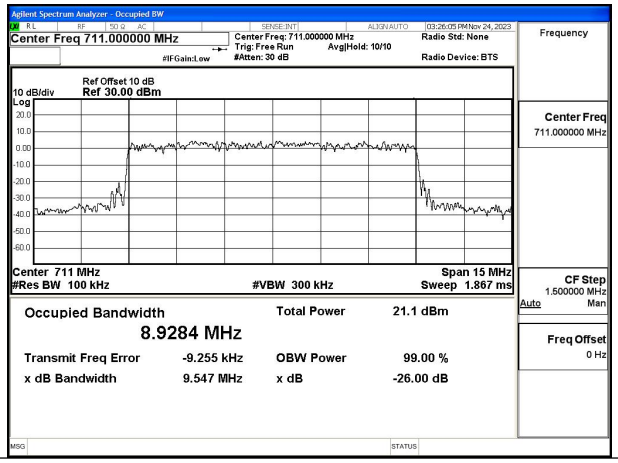

Fig.12

Test Mode: 16QAM

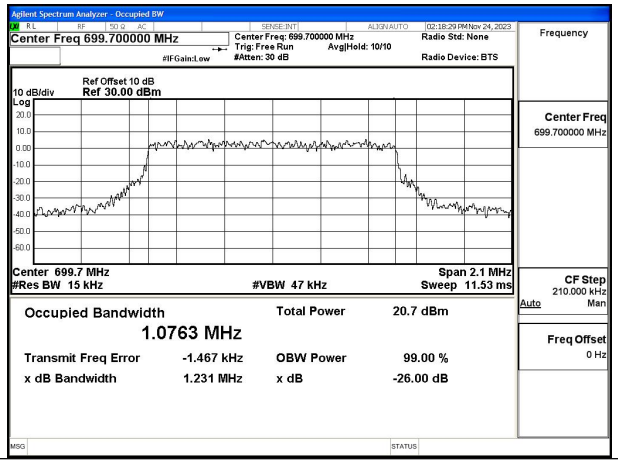

Fig.13

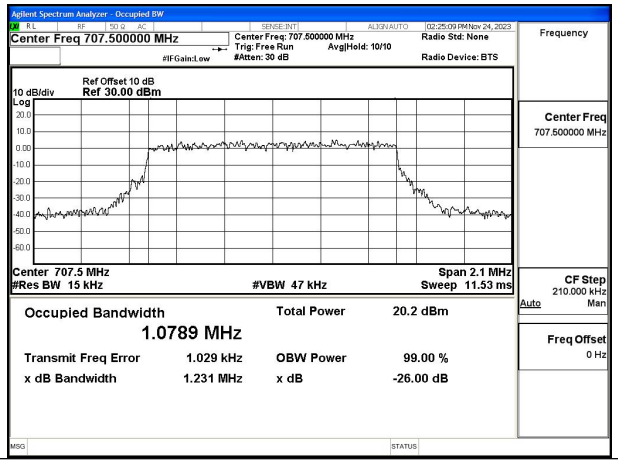

Fig.14

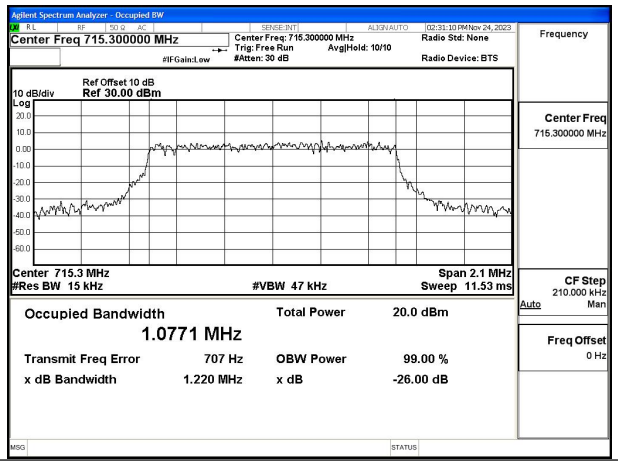

Fig.15

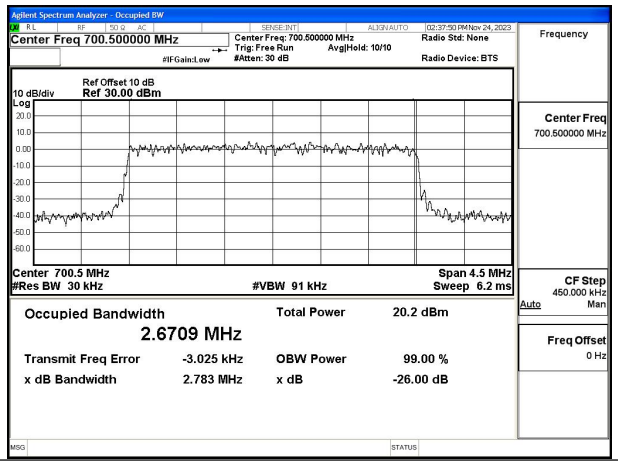

Fig.16

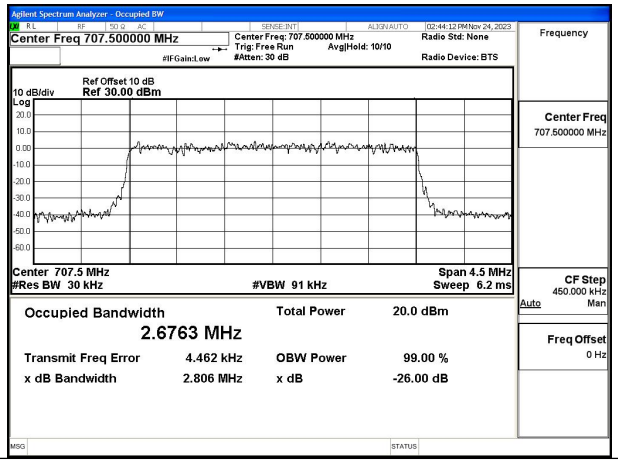

Fig.17

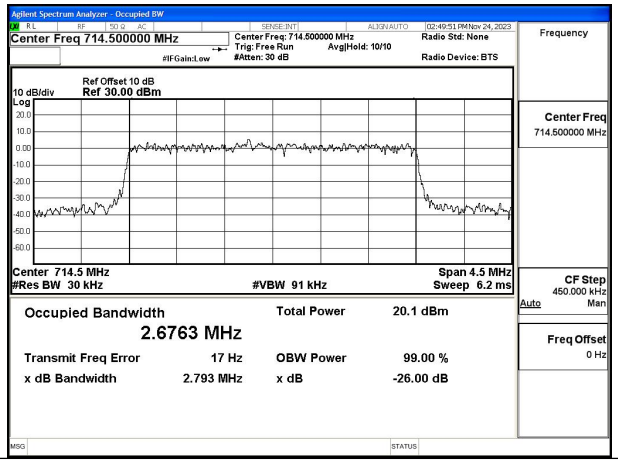

Fig.18

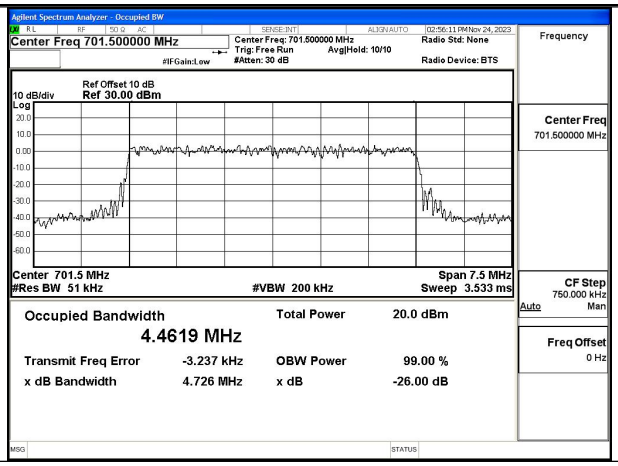

Fig.19

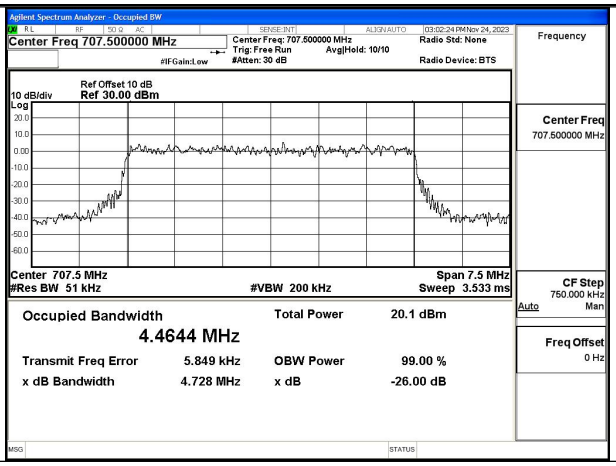

Fig.20

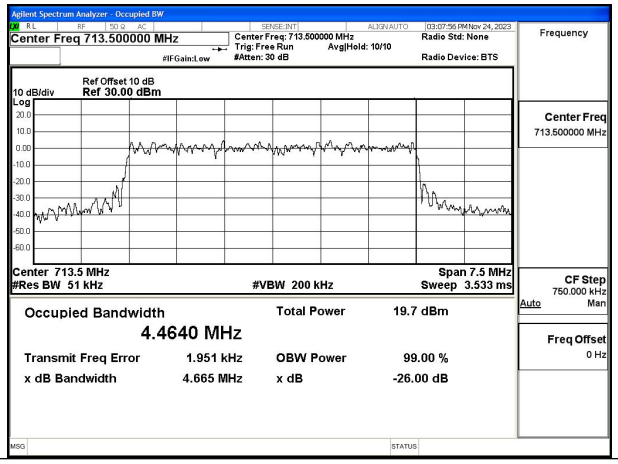

Fig.21

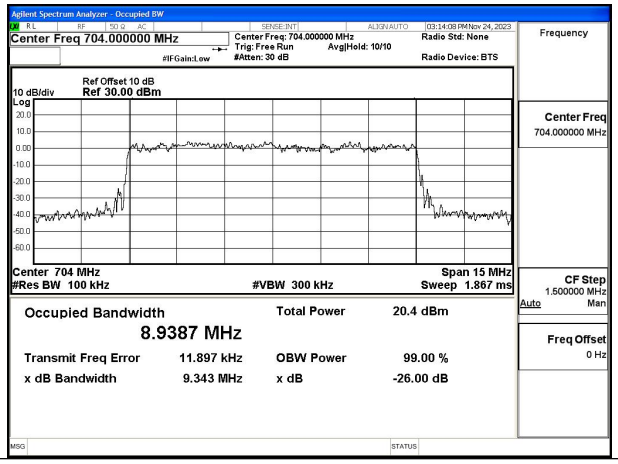

Fig.22

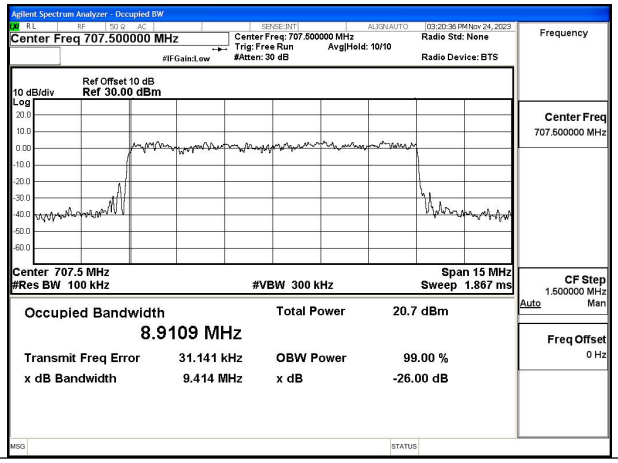

Fig.23

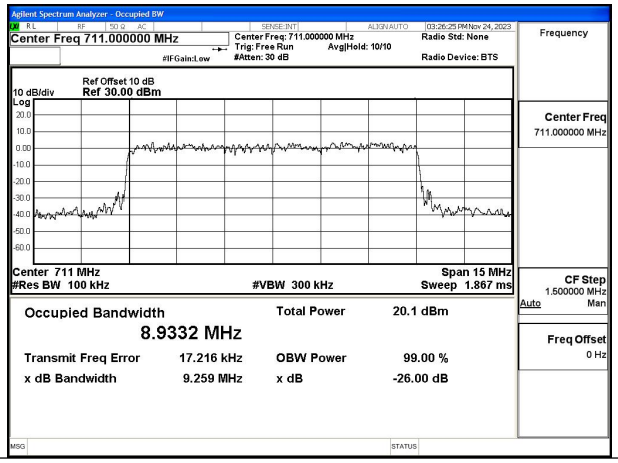

Fig.24

Test Mode: 64QAM

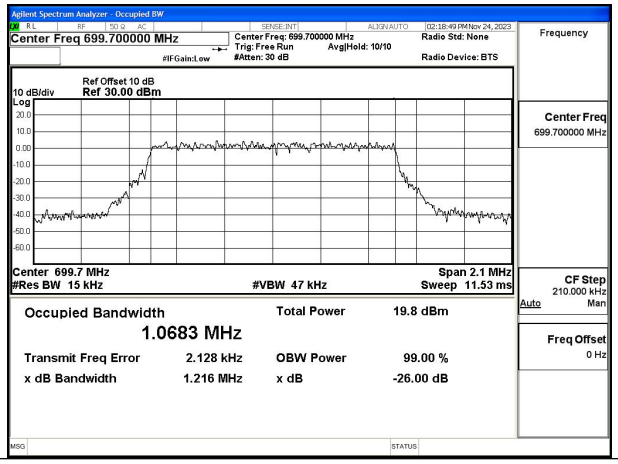

Fig.25

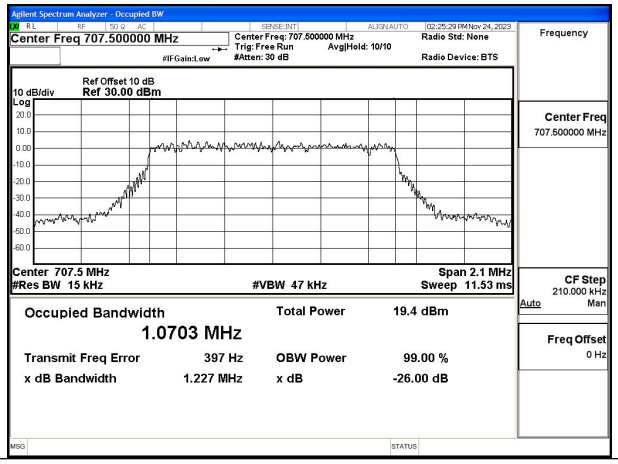

Fig.26

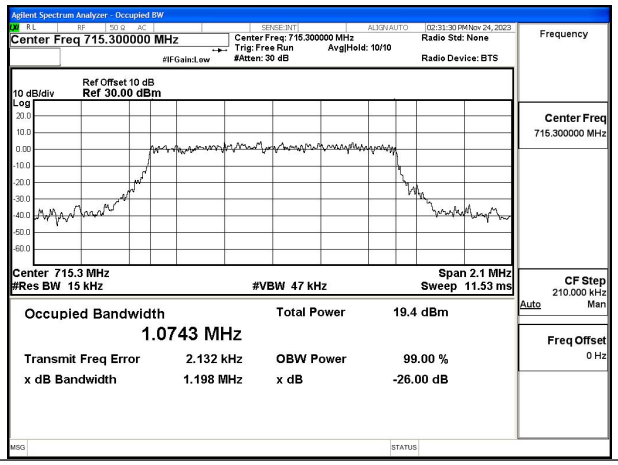

Fig.27

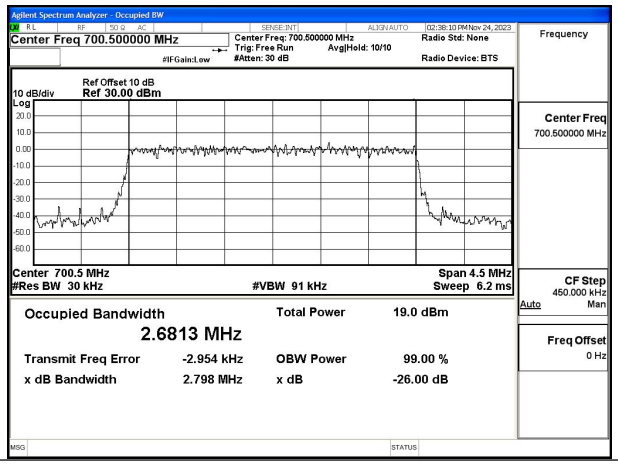

Fig.28

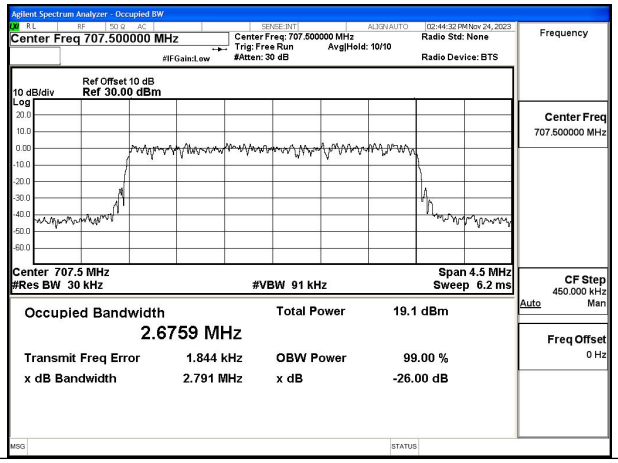

Fig.29

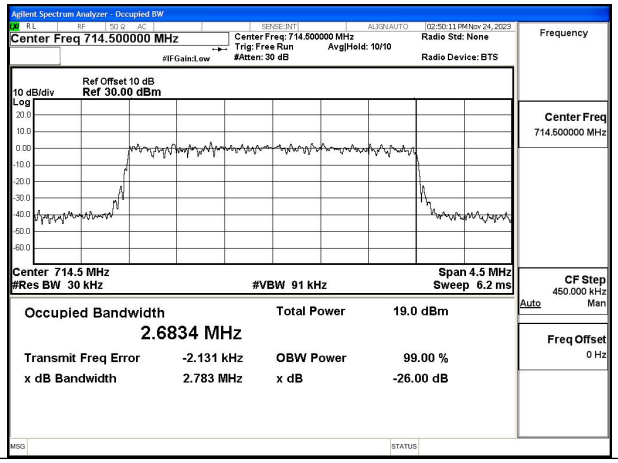

Fig.30

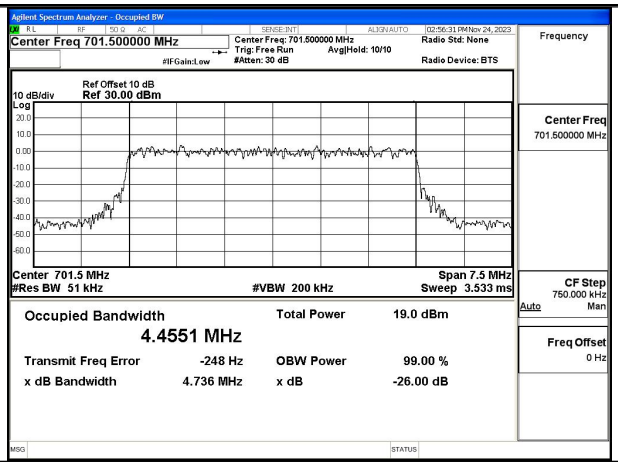

Fig.31

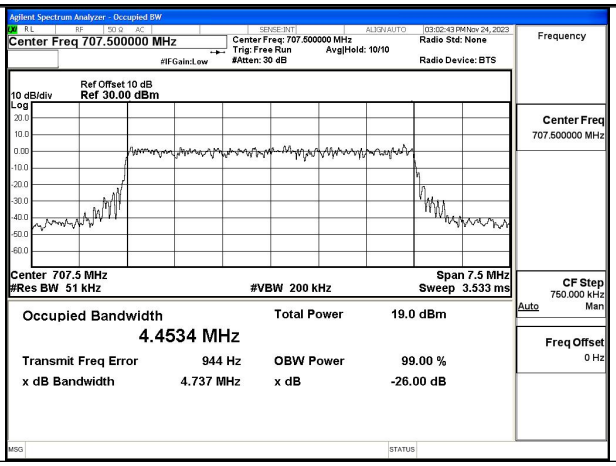

Fig.32

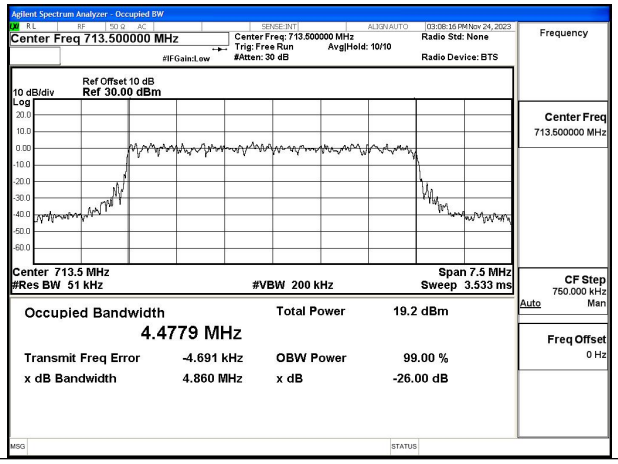

Fig.33

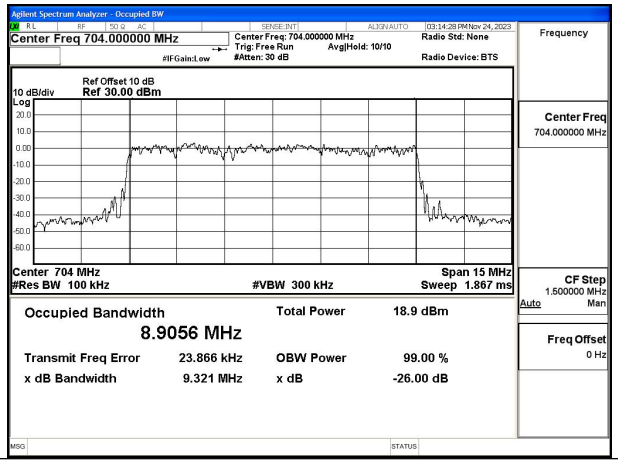

Fig.34

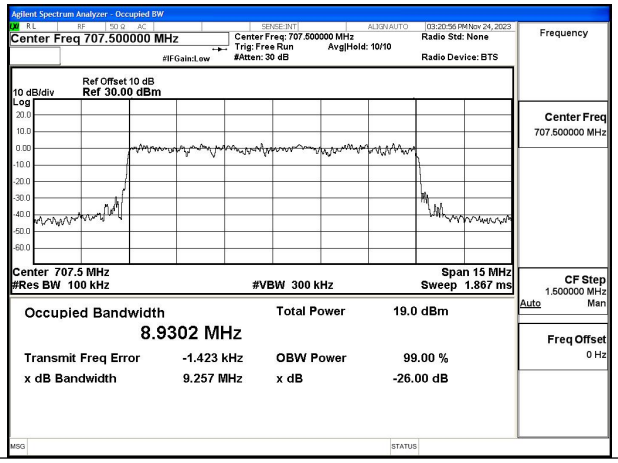

Fig.35

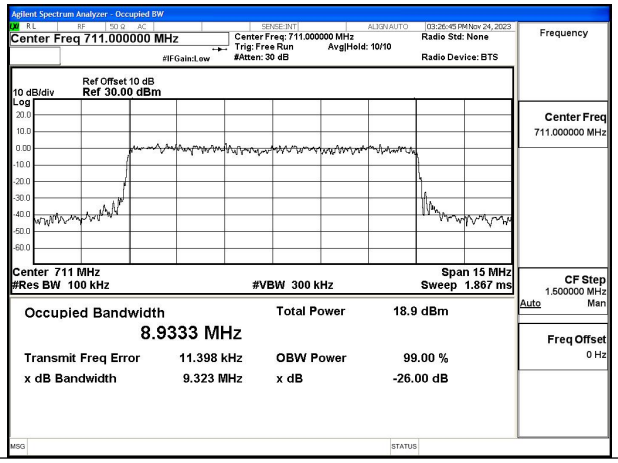

Fig.36

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	1.224	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.241	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.227	Fig.3
12	QPSK	700.5	23025	3	15	0	2.807	Fig.4
12	QPSK	707.5	23095	3	15	0	2.792	Fig.5
12	QPSK	714.5	23165	3	15	0	2.823	Fig.6
12	QPSK	701.5	23035	5	25	0	4.766	Fig.7
12	QPSK	707.5	23095	5	25	0	4.740	Fig.8
12	QPSK	713.5	23155	5	25	0	4.768	Fig.9
12	QPSK	704	23060	10	50	0	9.443	Fig.10
12	QPSK	707.5	23095	10	50	0	9.237	Fig.11
12	QPSK	711	23130	10	50	0	9.547	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	1.231	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.231	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.220	Fig.15
12	16QAM	700.5	23025	3	15	0	2.783	Fig.16
12	16QAM	707.5	23095	3	15	0	2.806	Fig.17
12	16QAM	714.5	23165	3	15	0	2.793	Fig.18
12	16QAM	701.5	23035	5	25	0	4.726	Fig.19
12	16QAM	707.5	23095	5	25	0	4.728	Fig.20
12	16QAM	713.5	23155	5	25	0	4.665	Fig.21
12	16QAM	704	23060	10	50	0	9.343	Fig.22
12	16QAM	707.5	23095	10	50	0	9.414	Fig.23
12	16QAM	711	23130	10	50	0	9.259	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	1.216	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.227	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.198	Fig.27
12	64QAM	700.5	23025	3	15	0	2.798	Fig.28
12	64QAM	707.5	23095	3	15	0	2.791	Fig.29
12	64QAM	714.5	23165	3	15	0	2.783	Fig.30
12	64QAM	701.5	23035	5	25	0	4.736	Fig.31
12	64QAM	707.5	23095	5	25	0	4.737	Fig.32
12	64QAM	713.5	23155	5	25	0	4.860	Fig.33
12	64QAM	704	23060	10	50	0	9.321	Fig.34
12	64QAM	707.5	23095	10	50	0	9.257	Fig.35
12	64QAM	711	23130	10	50	0	9.323	Fig.36