

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	23.78
QPSK	699.7	23017	1.4	1	3	23.57
QPSK	699.7	23017	1.4	1	5	23.55
QPSK	699.7	23017	1.4	3	0	23.71
QPSK	699.7	23017	1.4	3	1	23.69
QPSK	699.7	23017	1.4	3	3	23.70
QPSK	699.7	23017	1.4	6	0	22.74
QPSK	707.5	23095	1.4	1	0	23.63
QPSK	707.5	23095	1.4	1	3	23.71
QPSK	707.5	23095	1.4	1	5	23.72
QPSK	707.5	23095	1.4	3	0	23.81
QPSK	707.5	23095	1.4	3	1	23.69
QPSK	707.5	23095	1.4	3	3	23.82
QPSK	707.5	23095	1.4	6	0	22.62
QPSK	715.3	23173	1.4	1	0	23.70
QPSK	715.3	23173	1.4	1	3	23.77
QPSK	715.3	23173	1.4	1	5	23.64
QPSK	715.3	23173	1.4	3	0	23.59
QPSK	715.3	23173	1.4	3	1	23.62
QPSK	715.3	23173	1.4	3	3	23.69
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	23.11
16QAM	699.7	23017	1.4	1	3	22.81
16QAM	699.7	23017	1.4	1	5	22.89
16QAM	699.7	23017	1.4	3	0	22.97
16QAM	699.7	23017	1.4	3	1	22.88
16QAM	699.7	23017	1.4	3	3	22.93
16QAM	699.7	23017	1.4	6	0	21.54
16QAM	707.5	23095	1.4	1	0	22.91
16QAM	707.5	23095	1.4	1	3	23.13
16QAM	707.5	23095	1.4	1	5	23.28
16QAM	707.5	23095	1.4	3	0	22.85
16QAM	707.5	23095	1.4	3	1	22.98
16QAM	707.5	23095	1.4	3	3	23.00
16QAM	707.5	23095	1.4	6	0	21.17
16QAM	715.3	23173	1.4	1	0	22.45
16QAM	715.3	23173	1.4	1	3	22.32
16QAM	715.3	23173	1.4	1	5	22.75
16QAM	715.3	23173	1.4	3	0	22.76
16QAM	715.3	23173	1.4	3	1	22.90
16QAM	715.3	23173	1.4	3	3	22.82
16QAM	715.3	23173	1.4	6	0	21.15
64QAM	699.7	23017	1.4	1	0	21.43
64QAM	699.7	23017	1.4	1	3	21.36
64QAM	699.7	23017	1.4	1	5	21.64
64QAM	699.7	23017	1.4	3	0	21.57
64QAM	699.7	23017	1.4	3	1	21.54
64QAM	699.7	23017	1.4	3	3	21.51
64QAM	699.7	23017	1.4	6	0	20.79
64QAM	707.5	23095	1.4	1	0	21.66
64QAM	707.5	23095	1.4	1	3	21.72
64QAM	707.5	23095	1.4	1	5	21.51
64QAM	707.5	23095	1.4	3	0	21.43
64QAM	707.5	23095	1.4	3	1	21.74
64QAM	707.5	23095	1.4	3	3	21.41
64QAM	707.5	23095	1.4	6	0	20.73
64QAM	715.3	23173	1.4	1	0	21.86
64QAM	715.3	23173	1.4	1	3	21.81
64QAM	715.3	23173	1.4	1	5	21.74
64QAM	715.3	23173	1.4	3	0	21.31
64QAM	715.3	23173	1.4	3	1	21.52
64QAM	715.3	23173	1.4	3	3	21.53
64QAM	715.3	23173	1.4	6	0	20.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	23.72
QPSK	700.5	23025	3	1	8	23.73
QPSK	700.5	23025	3	1	14	23.72
QPSK	700.5	23025	3	8	0	22.75
QPSK	700.5	23025	3	8	4	22.74
QPSK	700.5	23025	3	8	7	22.63
QPSK	700.5	23025	3	15	0	22.50
QPSK	707.5	23095	3	1	0	23.61
QPSK	707.5	23095	3	1	8	23.69
QPSK	707.5	23095	3	1	14	23.64
QPSK	707.5	23095	3	8	0	22.59
QPSK	707.5	23095	3	8	4	22.62
QPSK	707.5	23095	3	8	7	22.68
QPSK	707.5	23095	3	15	0	22.80
QPSK	714.5	23165	3	1	0	23.64
QPSK	714.5	23165	3	1	8	23.60
QPSK	714.5	23165	3	1	14	23.51
QPSK	714.5	23165	3	8	0	22.56
QPSK	714.5	23165	3	8	4	22.59
QPSK	714.5	23165	3	8	7	22.70
QPSK	714.5	23165	3	15	0	22.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	700.5	23025	3	1	0	22.87
16QAM	700.5	23025	3	1	8	22.51
16QAM	700.5	23025	3	1	14	23.00
16QAM	700.5	23025	3	8	0	21.64
16QAM	700.5	23025	3	8	4	21.81
16QAM	700.5	23025	3	8	7	22.00
16QAM	700.5	23025	3	15	0	21.60
16QAM	707.5	23095	3	1	0	23.19
16QAM	707.5	23095	3	1	8	23.29
16QAM	707.5	23095	3	1	14	22.57
16QAM	707.5	23095	3	8	0	21.66
16QAM	707.5	23095	3	8	4	21.79
16QAM	707.5	23095	3	8	7	21.70
16QAM	707.5	23095	3	15	0	21.73
16QAM	714.5	23165	3	1	0	23.06
16QAM	714.5	23165	3	1	8	22.87
16QAM	714.5	23165	3	1	14	23.34
16QAM	714.5	23165	3	8	0	21.77
16QAM	714.5	23165	3	8	4	21.65
16QAM	714.5	23165	3	8	7	21.69
16QAM	714.5	23165	3	15	0	21.62
64QAM	700.5	23025	3	1	0	21.78
64QAM	700.5	23025	3	1	8	21.36
64QAM	700.5	23025	3	1	14	21.62
64QAM	700.5	23025	3	8	0	20.91
64QAM	700.5	23025	3	8	4	20.93
64QAM	700.5	23025	3	8	7	20.50
64QAM	700.5	23025	3	15	0	21.23
64QAM	707.5	23095	3	1	0	21.67
64QAM	707.5	23095	3	1	8	21.82
64QAM	707.5	23095	3	1	14	21.43
64QAM	707.5	23095	3	8	0	20.74
64QAM	707.5	23095	3	8	4	20.77
64QAM	707.5	23095	3	8	7	20.72
64QAM	707.5	23095	3	15	0	20.61
64QAM	714.5	23165	3	1	0	21.84
64QAM	714.5	23165	3	1	8	21.90
64QAM	714.5	23165	3	1	14	21.45
64QAM	714.5	23165	3	8	0	20.89
64QAM	714.5	23165	3	8	4	20.89
64QAM	714.5	23165	3	8	7	20.57
64QAM	714.5	23165	3	15	0	20.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	23.65
QPSK	701.5	23035	5	1	12	23.75
QPSK	701.5	23035	5	1	24	23.68
QPSK	701.5	23035	5	12	0	22.63
QPSK	701.5	23035	5	12	7	22.56
QPSK	701.5	23035	5	12	13	22.58
QPSK	701.5	23035	5	25	0	22.61
QPSK	707.5	23095	5	1	0	23.62
QPSK	707.5	23095	5	1	12	24.31
QPSK	707.5	23095	5	1	24	23.75
QPSK	707.5	23095	5	12	0	22.65
QPSK	707.5	23095	5	12	7	22.58
QPSK	707.5	23095	5	12	13	22.68
QPSK	707.5	23095	5	25	0	22.61
QPSK	713.5	23155	5	1	0	23.87
QPSK	713.5	23155	5	1	12	23.71
QPSK	713.5	23155	5	1	24	23.86
QPSK	713.5	23155	5	12	0	22.74
QPSK	713.5	23155	5	12	7	22.64
QPSK	713.5	23155	5	12	13	22.66
QPSK	713.5	23155	5	25	0	22.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	701.5	23035	5	1	0	22.90
16QAM	701.5	23035	5	1	12	23.11
16QAM	701.5	23035	5	1	24	22.71
16QAM	701.5	23035	5	12	0	21.64
16QAM	701.5	23035	5	12	7	21.67
16QAM	701.5	23035	5	12	13	21.70
16QAM	701.5	23035	5	25	0	21.58
16QAM	707.5	23095	5	1	0	22.92
16QAM	707.5	23095	5	1	12	22.69
16QAM	707.5	23095	5	1	24	22.90
16QAM	707.5	23095	5	12	0	21.62
16QAM	707.5	23095	5	12	7	21.52
16QAM	707.5	23095	5	12	13	21.64
16QAM	707.5	23095	5	25	0	21.43
16QAM	713.5	23155	5	1	0	22.69
16QAM	713.5	23155	5	1	12	22.43
16QAM	713.5	23155	5	1	24	22.20
16QAM	713.5	23155	5	12	0	21.53
16QAM	713.5	23155	5	12	7	21.62
16QAM	713.5	23155	5	12	13	21.69
16QAM	713.5	23155	5	25	0	21.72
64QAM	701.5	23035	5	1	0	21.75
64QAM	701.5	23035	5	1	12	21.62
64QAM	701.5	23035	5	1	24	21.70
64QAM	701.5	23035	5	12	0	21.17
64QAM	701.5	23035	5	12	7	20.76
64QAM	701.5	23035	5	12	13	20.65
64QAM	701.5	23035	5	25	0	20.58
64QAM	707.5	23095	5	1	0	21.28
64QAM	707.5	23095	5	1	12	21.86
64QAM	707.5	23095	5	1	24	21.31
64QAM	707.5	23095	5	12	0	20.75
64QAM	707.5	23095	5	12	7	20.57
64QAM	707.5	23095	5	12	13	20.52
64QAM	707.5	23095	5	25	0	20.51
64QAM	713.5	23155	5	1	0	21.58
64QAM	713.5	23155	5	1	12	21.78
64QAM	713.5	23155	5	1	24	22.03
64QAM	713.5	23155	5	12	0	20.62
64QAM	713.5	23155	5	12	7	20.85
64QAM	713.5	23155	5	12	13	21.16
64QAM	713.5	23155	5	25	0	20.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	23.96
QPSK	704	23060	10	1	25	23.76
QPSK	704	23060	10	1	49	24.24
QPSK	704	23060	10	25	0	22.76
QPSK	704	23060	10	25	12	22.67
QPSK	704	23060	10	25	25	22.83
QPSK	704	23060	10	50	0	22.88
QPSK	707.5	23095	10	1	0	23.78
QPSK	707.5	23095	10	1	25	24.91
QPSK	707.5	23095	10	1	49	23.86
QPSK	707.5	23095	10	25	0	22.83
QPSK	707.5	23095	10	25	12	22.59
QPSK	707.5	23095	10	25	25	22.70
QPSK	707.5	23095	10	50	0	22.49
QPSK	711	23130	10	1	0	23.67
QPSK	711	23130	10	1	25	23.74
QPSK	711	23130	10	1	49	23.58
QPSK	711	23130	10	25	0	22.63
QPSK	711	23130	10	25	12	22.71
QPSK	711	23130	10	25	25	22.56
QPSK	711	23130	10	50	0	22.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704	23060	10	1	0	22.49
16QAM	704	23060	10	1	25	22.54
16QAM	704	23060	10	1	49	22.66
16QAM	704	23060	10	25	0	21.70
16QAM	704	23060	10	25	12	21.58
16QAM	704	23060	10	25	25	21.83
16QAM	704	23060	10	50	0	21.59
16QAM	707.5	23095	10	1	0	22.81
16QAM	707.5	23095	10	1	25	22.34
16QAM	707.5	23095	10	1	49	22.90
16QAM	707.5	23095	10	25	0	21.82
16QAM	707.5	23095	10	25	12	21.76
16QAM	707.5	23095	10	25	25	21.73
16QAM	707.5	23095	10	50	0	21.67
16QAM	711	23130	10	1	0	22.88
16QAM	711	23130	10	1	25	22.98
16QAM	711	23130	10	1	49	22.98
16QAM	711	23130	10	25	0	21.38
16QAM	711	23130	10	25	12	21.46
16QAM	711	23130	10	25	25	21.56
16QAM	711	23130	10	50	0	21.65
64QAM	704	23060	10	1	0	22.06
64QAM	704	23060	10	1	25	21.92
64QAM	704	23060	10	1	49	22.60
64QAM	704	23060	10	25	0	21.06
64QAM	704	23060	10	25	12	20.57
64QAM	704	23060	10	25	25	20.36
64QAM	704	23060	10	50	0	20.61
64QAM	707.5	23095	10	1	0	21.69
64QAM	707.5	23095	10	1	25	22.49
64QAM	707.5	23095	10	1	49	21.95
64QAM	707.5	23095	10	25	0	20.75
64QAM	707.5	23095	10	25	12	20.59
64QAM	707.5	23095	10	25	25	20.81
64QAM	707.5	23095	10	50	0	20.57
64QAM	711	23130	10	1	0	21.20
64QAM	711	23130	10	1	25	21.34
64QAM	711	23130	10	1	49	21.15
64QAM	711	23130	10	25	0	20.41
64QAM	711	23130	10	25	12	20.63
64QAM	711	23130	10	25	25	20.87
64QAM	711	23130	10	50	0	20.81

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	1.080	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.080	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.080	Fig.3
12	QPSK	700.5	23025	3	15	0	2.670	Fig.4
12	QPSK	707.5	23095	3	15	0	2.660	Fig.5
12	QPSK	714.5	23165	3	15	0	2.680	Fig.6
12	QPSK	701.5	23035	5	25	0	4.460	Fig.7
12	QPSK	707.5	23095	5	25	0	4.440	Fig.8
12	QPSK	713.5	23155	5	25	0	4.480	Fig.9
12	QPSK	704	23060	10	50	0	8.930	Fig.10
12	QPSK	707.5	23095	10	50	0	8.870	Fig.11
12	QPSK	711	23130	10	50	0	8.900	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	1.080	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.080	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.080	Fig.15
12	16QAM	700.5	23025	3	15	0	2.680	Fig.16
12	16QAM	707.5	23095	3	15	0	2.660	Fig.17
12	16QAM	714.5	23165	3	15	0	2.680	Fig.18
12	16QAM	701.5	23035	5	25	0	4.460	Fig.19
12	16QAM	707.5	23095	5	25	0	4.450	Fig.20
12	16QAM	713.5	23155	5	25	0	4.470	Fig.21
12	16QAM	704	23060	10	50	0	8.930	Fig.22
12	16QAM	707.5	23095	10	50	0	8.880	Fig.23
12	16QAM	711	23130	10	50	0	8.900	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	1.070	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.070	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.080	Fig.27
12	64QAM	700.5	23025	3	15	0	2.680	Fig.28
12	64QAM	707.5	23095	3	15	0	2.670	Fig.29
12	64QAM	714.5	23165	3	15	0	2.680	Fig.30
12	64QAM	701.5	23035	5	25	0	4.470	Fig.31
12	64QAM	707.5	23095	5	25	0	4.440	Fig.32
12	64QAM	713.5	23155	5	25	0	4.460	Fig.33
12	64QAM	704	23060	10	50	0	8.930	Fig.34
12	64QAM	707.5	23095	10	50	0	8.880	Fig.35
12	64QAM	711	23130	10	50	0	8.910	Fig.36

Test Mode: QPSK

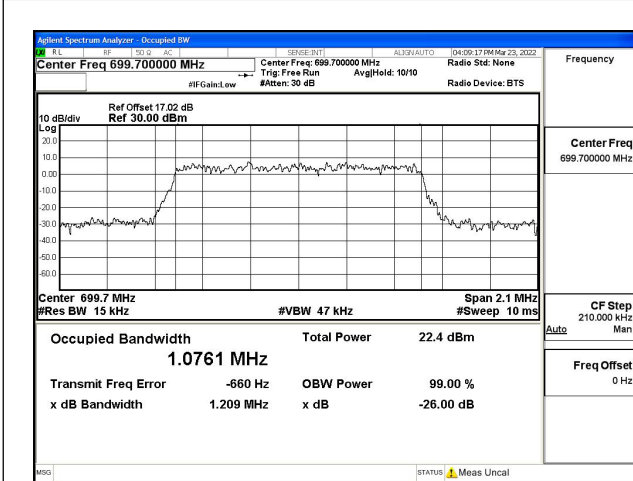


Fig.1

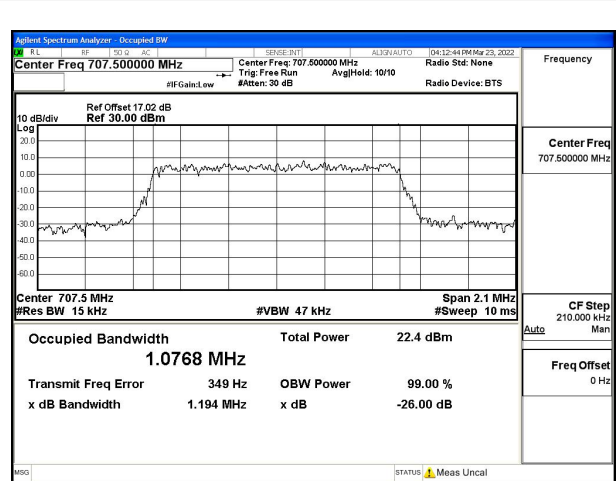


Fig.2

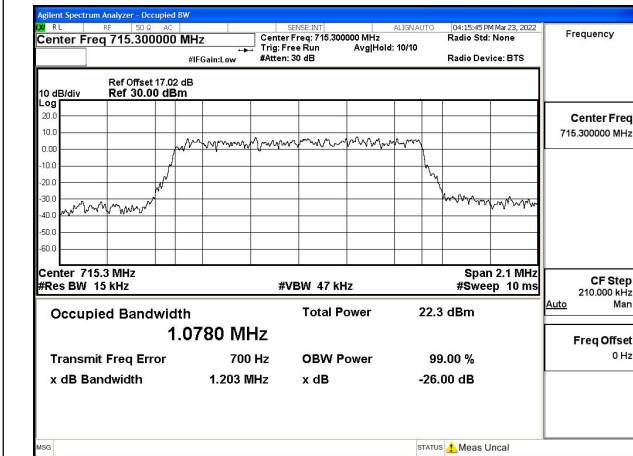


Fig.3

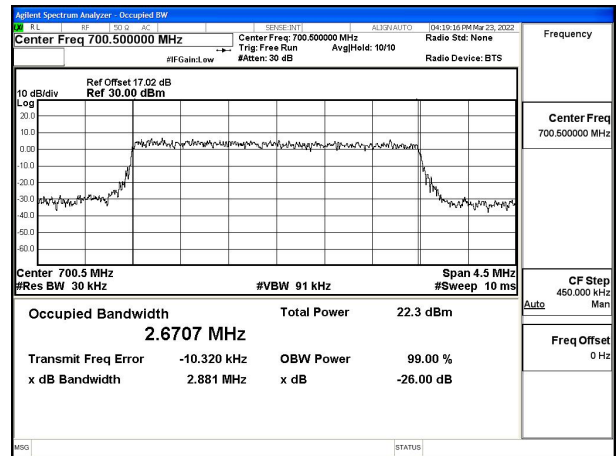


Fig.4

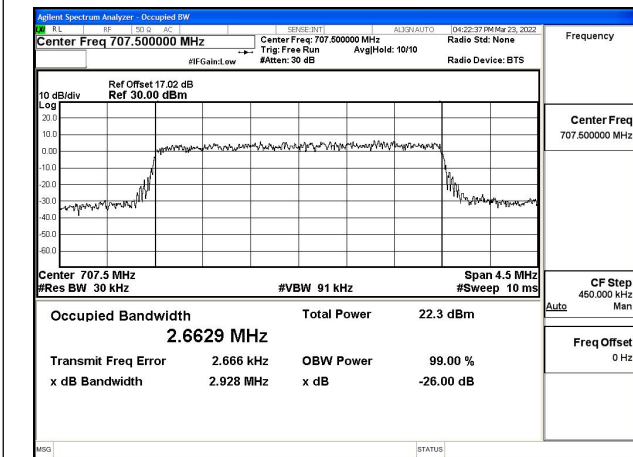


Fig.5

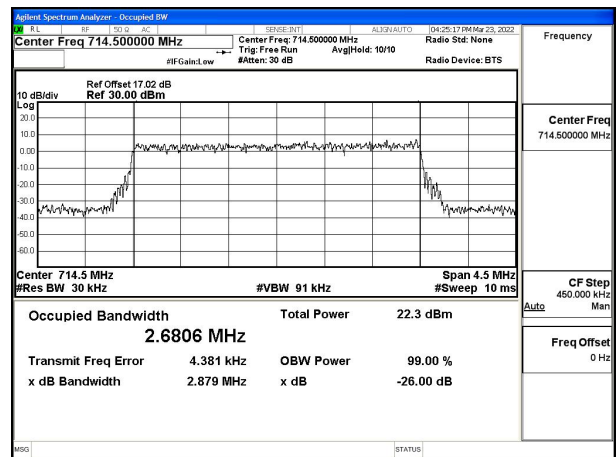


Fig.6

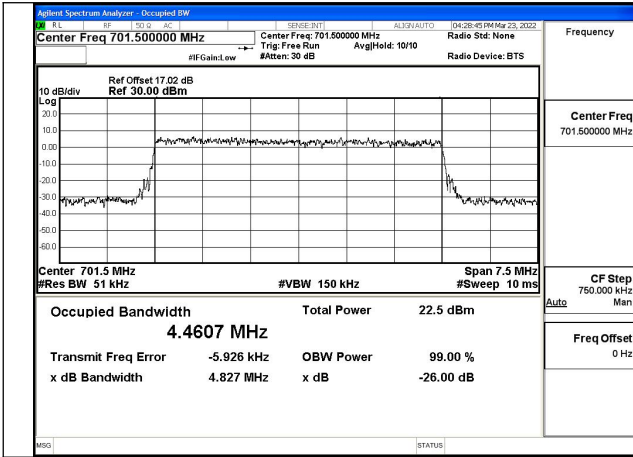


Fig.7

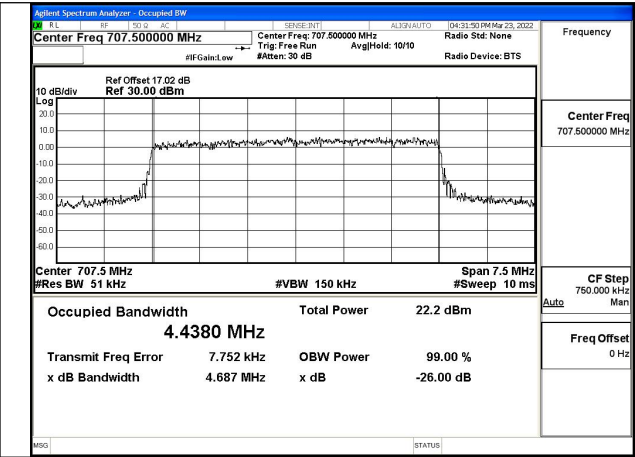


Fig.8

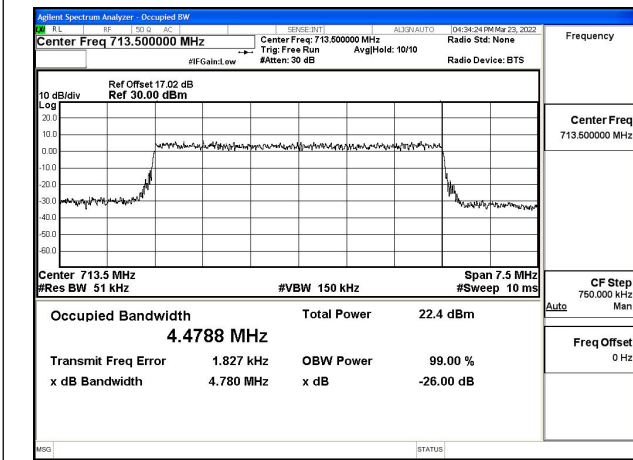


Fig.9

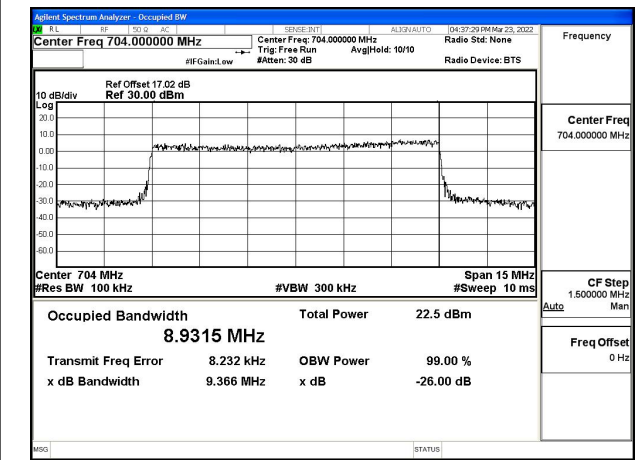


Fig.10

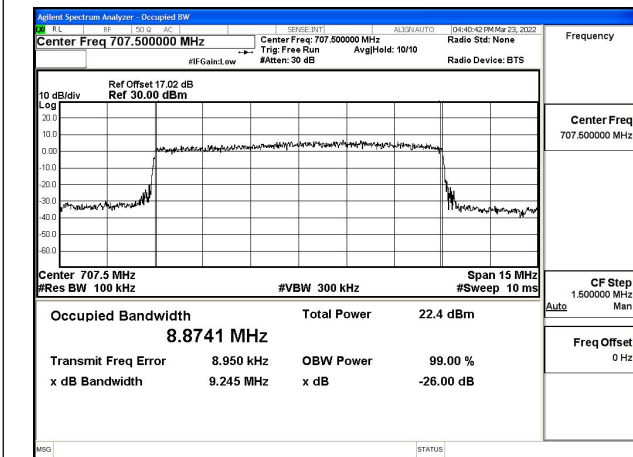


Fig.11

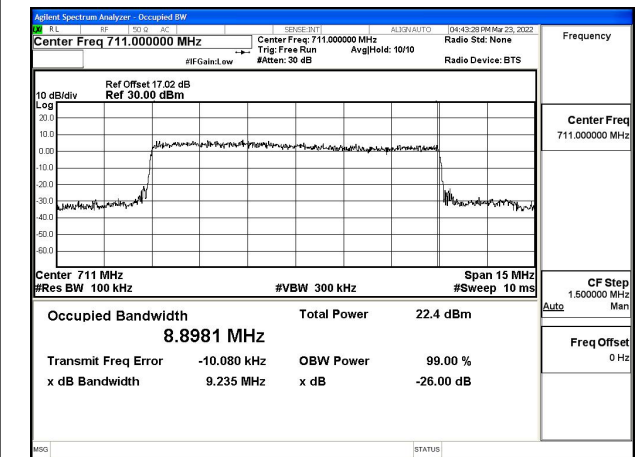


Fig.12

Test Mode: 16QAM

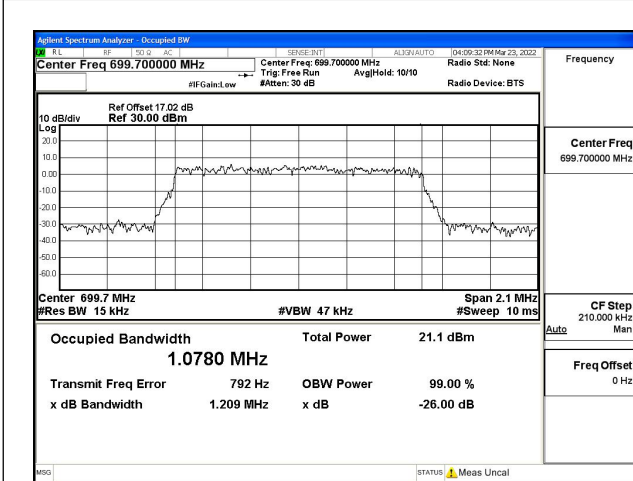


Fig.13

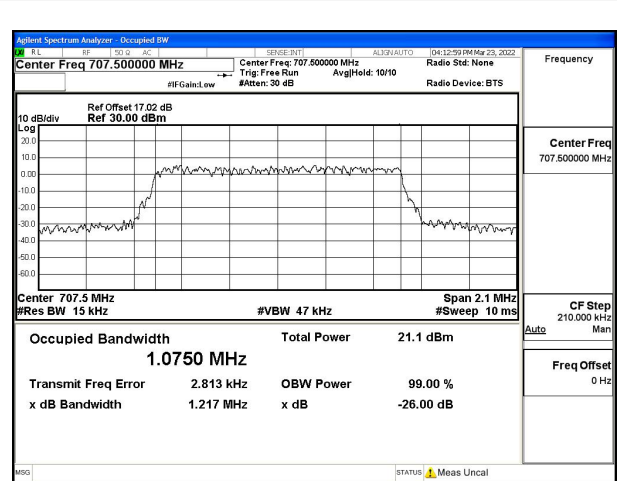


Fig.14

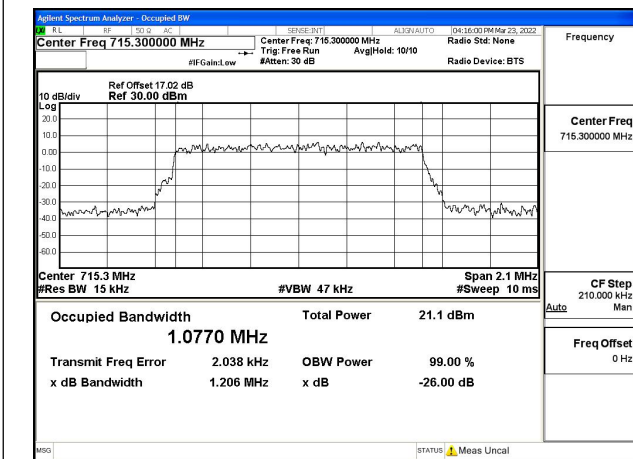


Fig.15

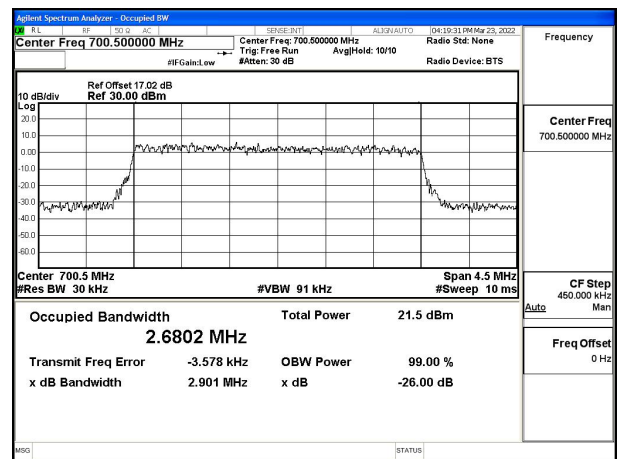


Fig.16

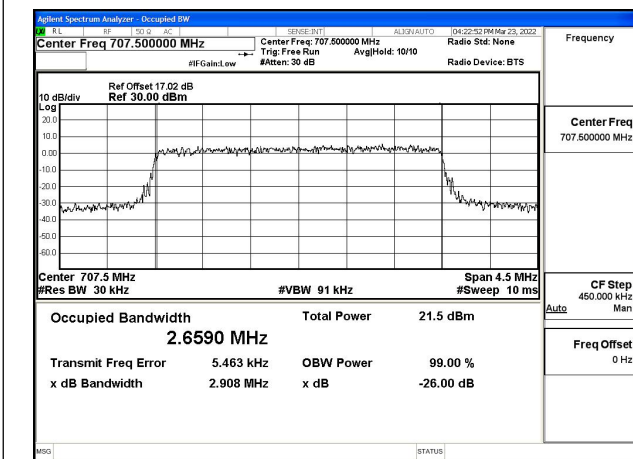


Fig.17

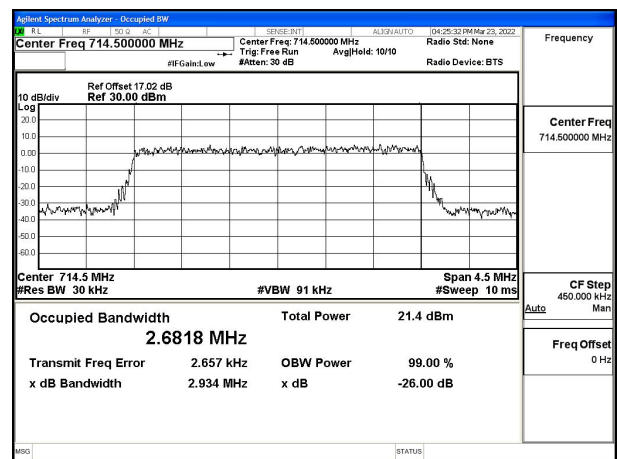


Fig.18

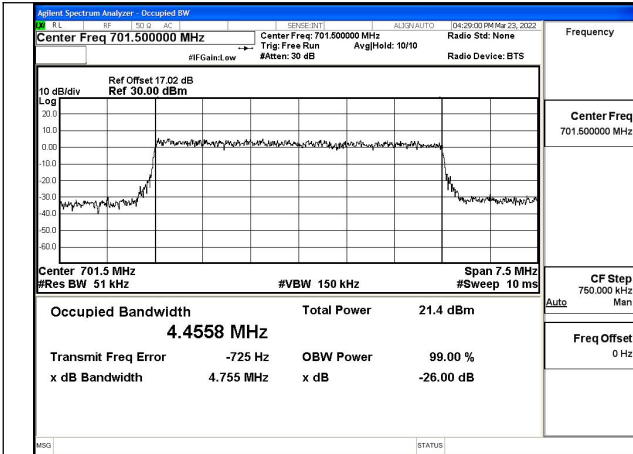


Fig.19

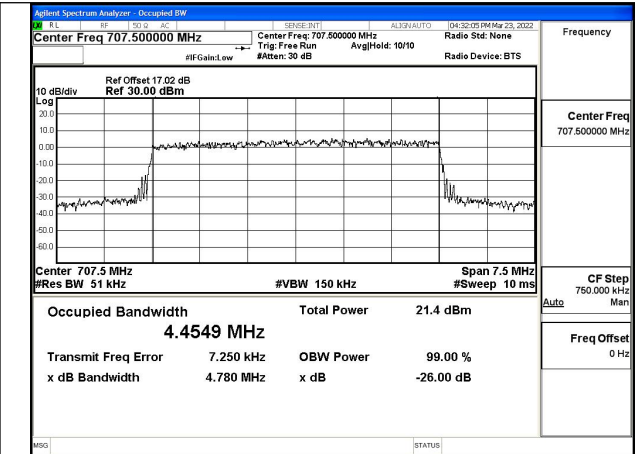


Fig.20

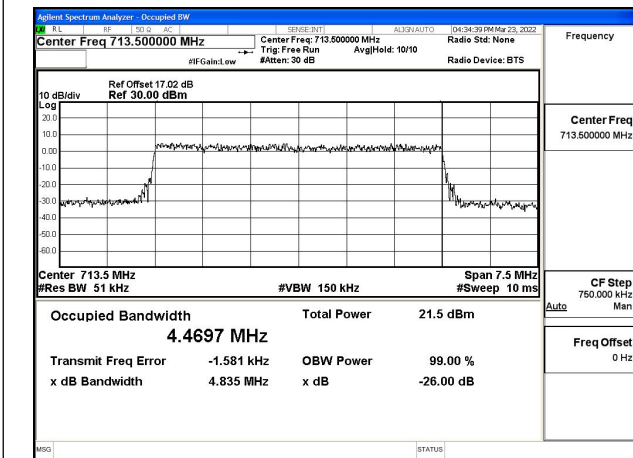


Fig.21

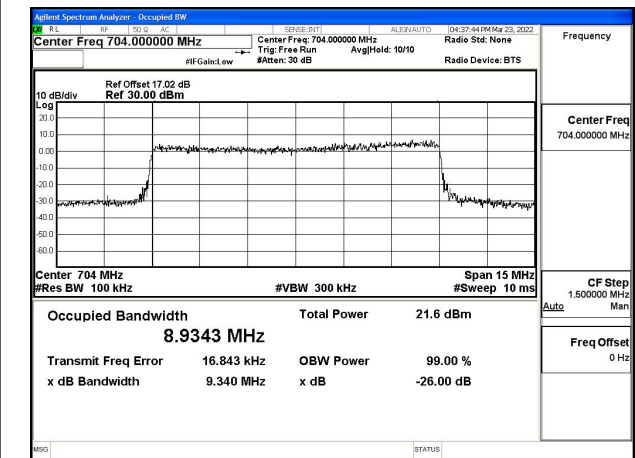


Fig.22

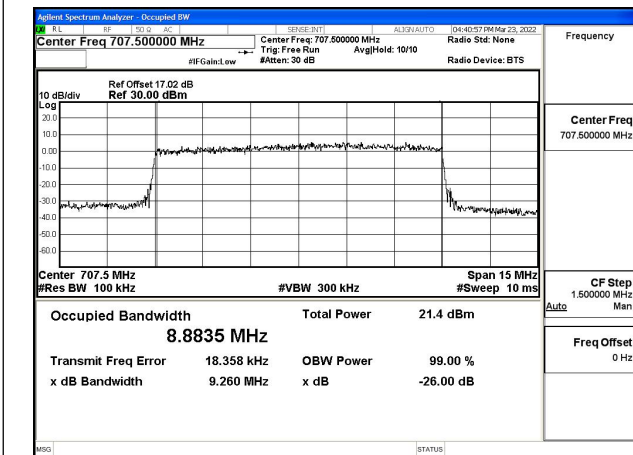


Fig.23

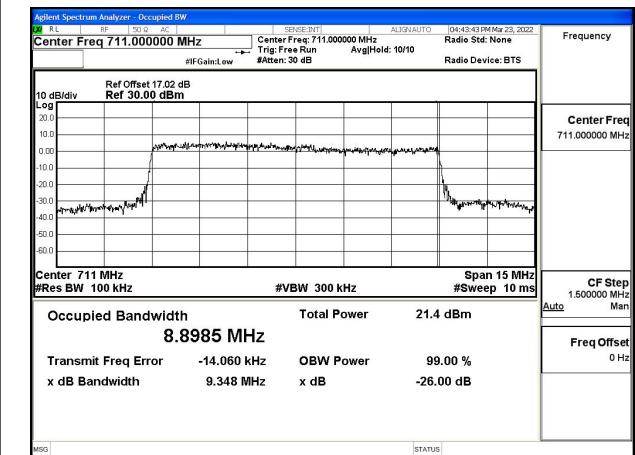


Fig.24

Test Mode: 64QAM

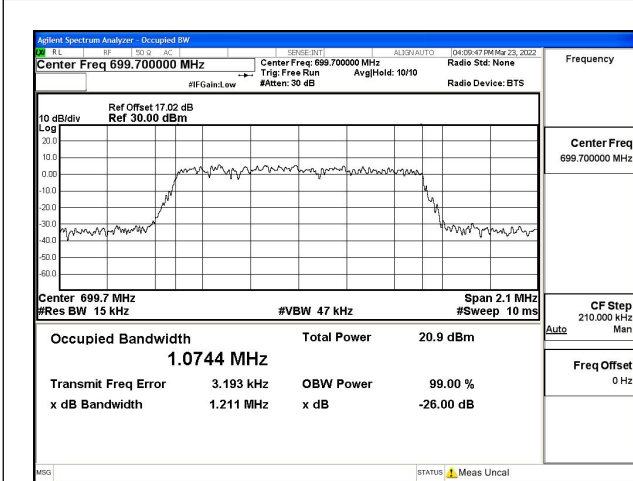


Fig.25

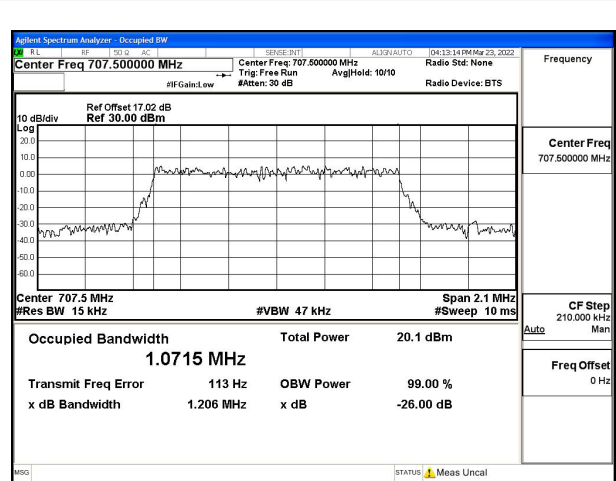


Fig.26

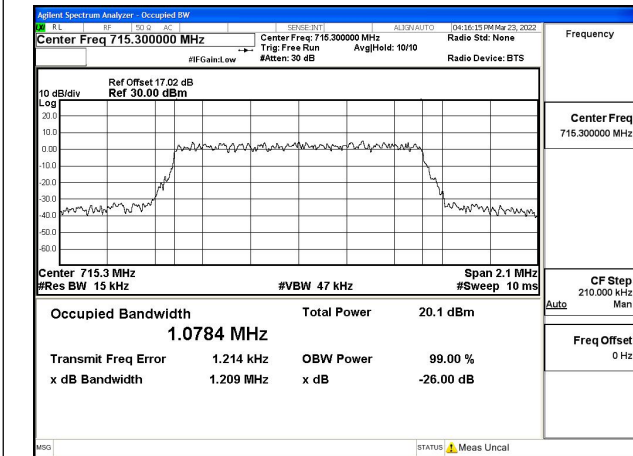


Fig.27

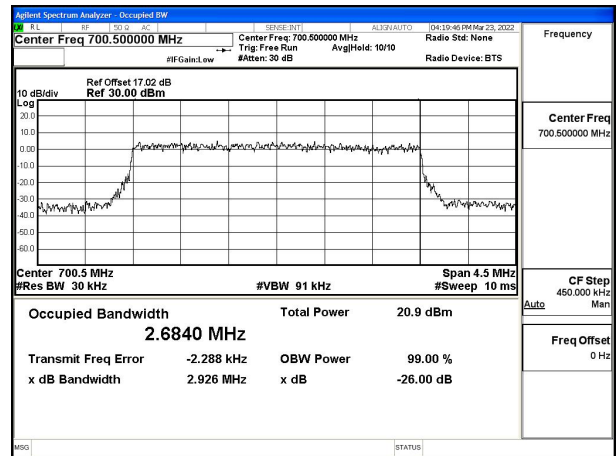


Fig.28

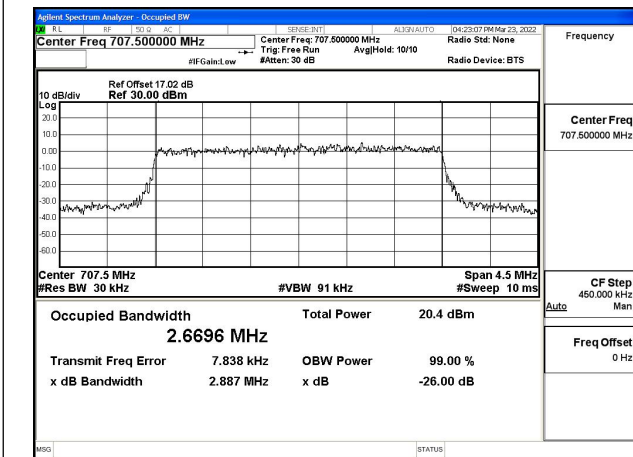


Fig.29

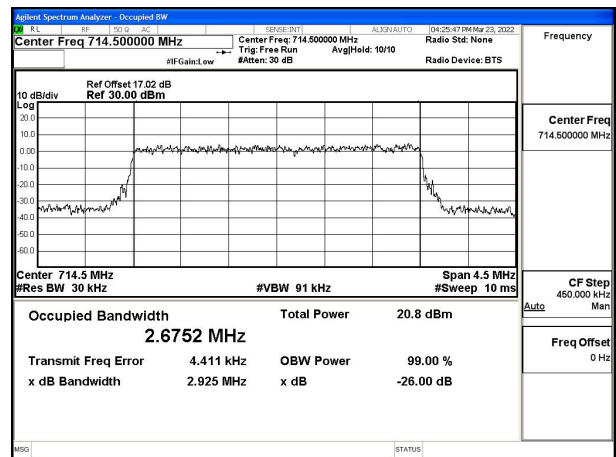


Fig.30

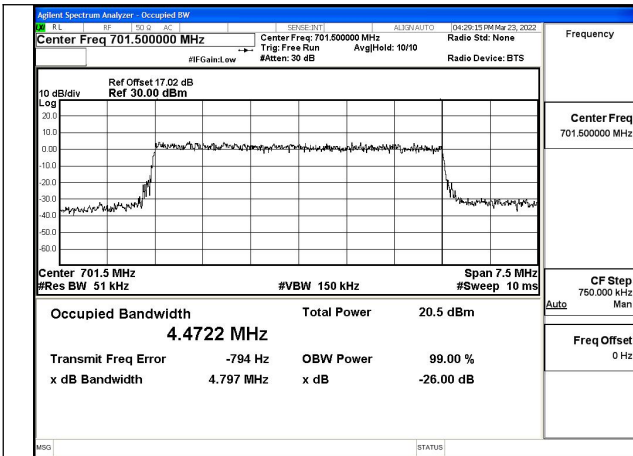


Fig.31

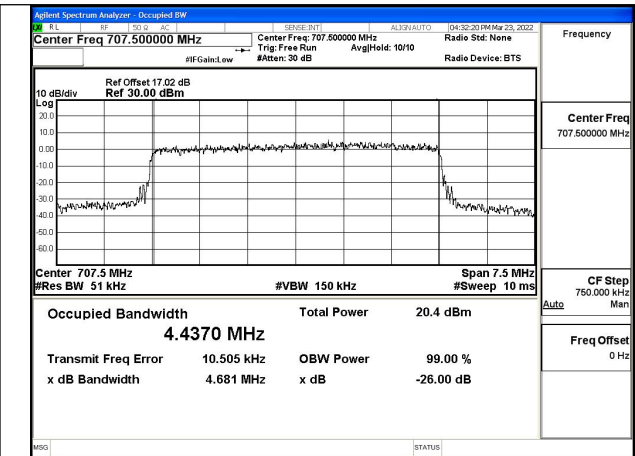


Fig.32

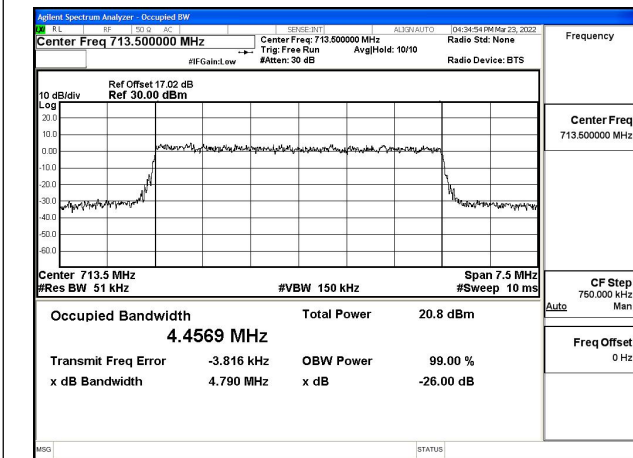


Fig.33

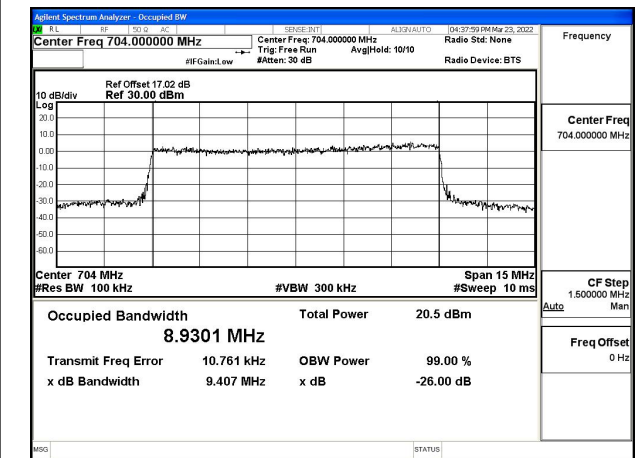


Fig.34

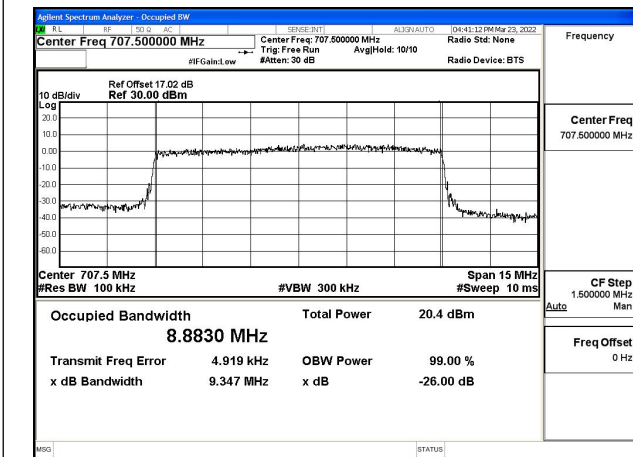


Fig.35

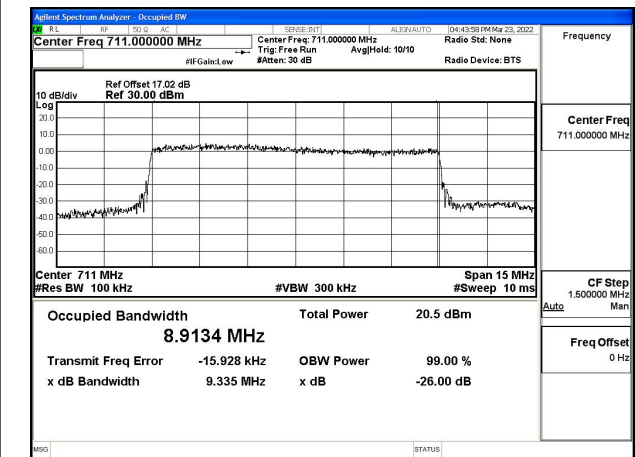


Fig.36

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	1.210	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.190	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.200	Fig.3
12	QPSK	700.5	23025	3	15	0	2.880	Fig.4
12	QPSK	707.5	23095	3	15	0	2.930	Fig.5
12	QPSK	714.5	23165	3	15	0	2.880	Fig.6
12	QPSK	701.5	23035	5	25	0	4.830	Fig.7
12	QPSK	707.5	23095	5	25	0	4.690	Fig.8
12	QPSK	713.5	23155	5	25	0	4.780	Fig.9
12	QPSK	704	23060	10	50	0	9.370	Fig.10
12	QPSK	707.5	23095	10	50	0	9.240	Fig.11
12	QPSK	711	23130	10	50	0	9.230	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	1.210	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.220	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.210	Fig.15
12	16QAM	700.5	23025	3	15	0	2.900	Fig.16
12	16QAM	707.5	23095	3	15	0	2.910	Fig.17
12	16QAM	714.5	23165	3	15	0	2.930	Fig.18
12	16QAM	701.5	23035	5	25	0	4.760	Fig.19
12	16QAM	707.5	23095	5	25	0	4.780	Fig.20
12	16QAM	713.5	23155	5	25	0	4.840	Fig.21
12	16QAM	704	23060	10	50	0	9.340	Fig.22
12	16QAM	707.5	23095	10	50	0	9.260	Fig.23
12	16QAM	711	23130	10	50	0	9.350	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	1.210	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.210	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.210	Fig.27
12	64QAM	700.5	23025	3	15	0	2.930	Fig.28
12	64QAM	707.5	23095	3	15	0	2.890	Fig.29
12	64QAM	714.5	23165	3	15	0	2.920	Fig.30
12	64QAM	701.5	23035	5	25	0	4.800	Fig.31
12	64QAM	707.5	23095	5	25	0	4.680	Fig.32
12	64QAM	713.5	23155	5	25	0	4.790	Fig.33
12	64QAM	704	23060	10	50	0	9.410	Fig.34
12	64QAM	707.5	23095	10	50	0	9.350	Fig.35
12	64QAM	711	23130	10	50	0	9.330	Fig.36

Test Mode: QPSK

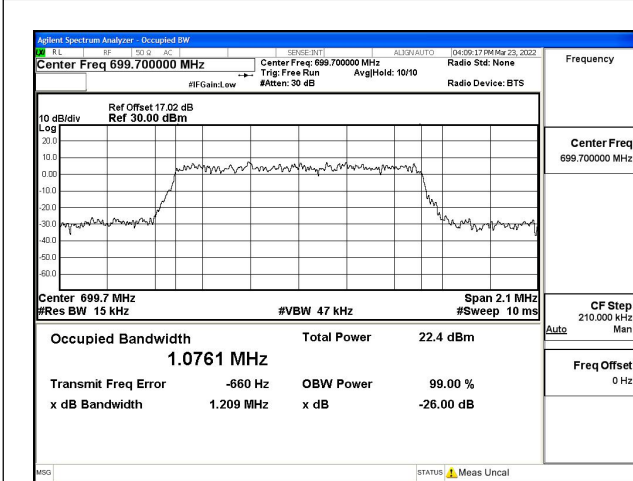


Fig.1

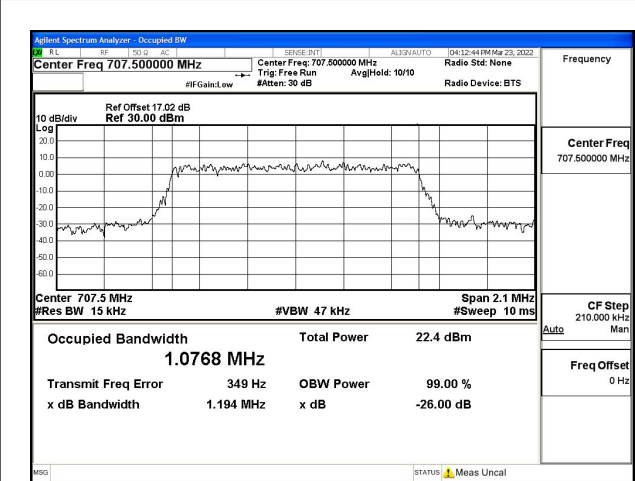


Fig.2

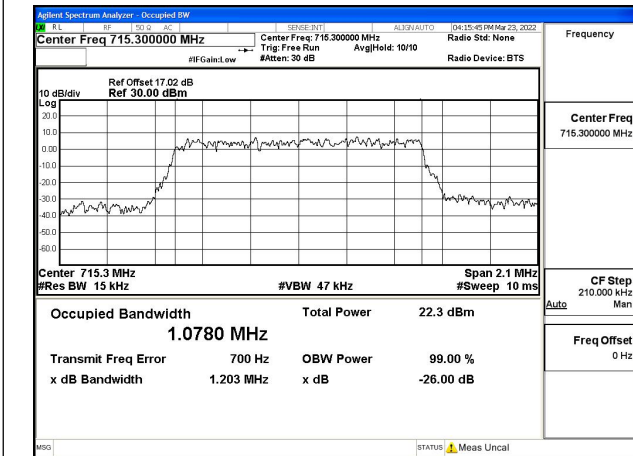


Fig.3

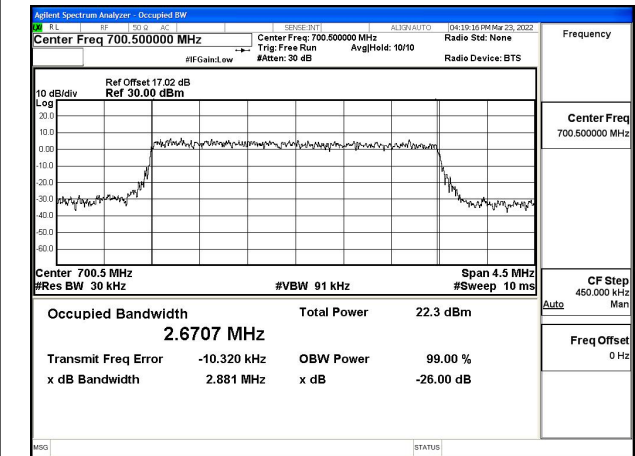


Fig.4

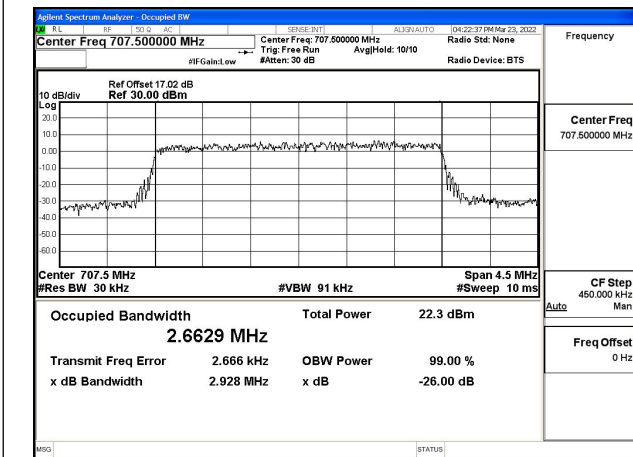


Fig.5

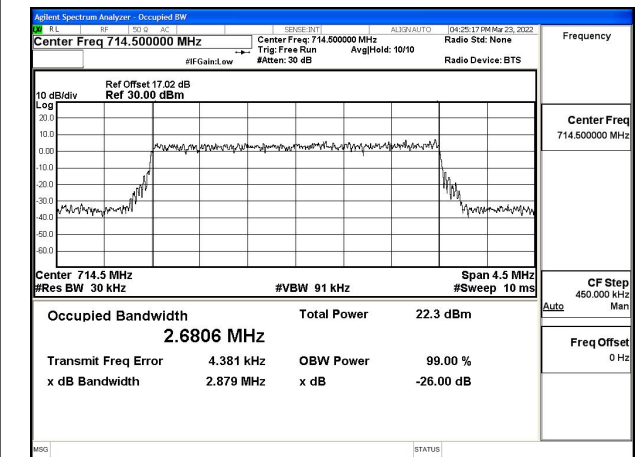


Fig.6