

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 17

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	706.5	23755	5	1	0	23.82
QPSK	706.5	23755	5	1	12	23.34
QPSK	706.5	23755	5	1	24	23.43
QPSK	706.5	23755	5	12	0	22.67
QPSK	706.5	23755	5	12	7	22.63
QPSK	706.5	23755	5	12	13	22.86
QPSK	706.5	23755	5	25	0	22.67
QPSK	710	23790	5	1	0	23.86
QPSK	710	23790	5	1	12	23.71
QPSK	710	23790	5	1	24	23.72
QPSK	710	23790	5	12	0	22.53
QPSK	710	23790	5	12	7	22.59
QPSK	710	23790	5	12	13	22.78
QPSK	710	23790	5	25	0	22.79
QPSK	713.5	23825	5	1	0	24.01
QPSK	713.5	23825	5	1	12	24.02
QPSK	713.5	23825	5	1	24	23.92
QPSK	713.5	23825	5	12	0	22.75
QPSK	713.5	23825	5	12	7	22.66
QPSK	713.5	23825	5	12	13	22.58
QPSK	713.5	23825	5	25	0	22.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.52
16QAM	706.5	23755	5	1	12	22.65
16QAM	706.5	23755	5	1	24	22.91
16QAM	706.5	23755	5	12	0	21.81
16QAM	706.5	23755	5	12	7	21.74
16QAM	706.5	23755	5	12	13	21.63
16QAM	706.5	23755	5	25	0	21.92
16QAM	710	23790	5	1	0	22.88
16QAM	710	23790	5	1	12	23.29
16QAM	710	23790	5	1	24	23.27
16QAM	710	23790	5	12	0	21.64
16QAM	710	23790	5	12	7	21.58
16QAM	710	23790	5	12	13	21.63
16QAM	710	23790	5	25	0	21.55
16QAM	713.5	23825	5	1	0	22.83
16QAM	713.5	23825	5	1	12	22.24
16QAM	713.5	23825	5	1	24	22.18
16QAM	713.5	23825	5	12	0	21.50
16QAM	713.5	23825	5	12	7	21.67
16QAM	713.5	23825	5	12	13	21.62
16QAM	713.5	23825	5	25	0	21.64
64QAM	706.5	23755	5	1	0	21.94
64QAM	706.5	23755	5	1	12	22.56
64QAM	706.5	23755	5	1	24	21.87
64QAM	706.5	23755	5	12	0	20.49
64QAM	706.5	23755	5	12	7	20.53
64QAM	706.5	23755	5	12	13	20.51
64QAM	706.5	23755	5	25	0	20.60
64QAM	710	23790	5	1	0	21.44
64QAM	710	23790	5	1	12	21.41
64QAM	710	23790	5	1	24	21.53
64QAM	710	23790	5	12	0	20.51
64QAM	710	23790	5	12	7	20.51
64QAM	710	23790	5	12	13	20.40
64QAM	710	23790	5	25	0	20.57
64QAM	713.5	23825	5	1	0	21.47
64QAM	713.5	23825	5	1	12	21.57
64QAM	713.5	23825	5	1	24	21.71
64QAM	713.5	23825	5	12	0	20.40
64QAM	713.5	23825	5	12	7	20.90
64QAM	713.5	23825	5	12	13	21.15
64QAM	713.5	23825	5	25	0	21.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.68
QPSK	709	23780	10	1	25	23.77
QPSK	709	23780	10	1	49	23.83
QPSK	709	23780	10	25	0	22.78
QPSK	709	23780	10	25	12	22.60
QPSK	709	23780	10	25	25	22.61
QPSK	709	23780	10	50	0	22.47
QPSK	710	23790	10	1	0	23.88
QPSK	710	23790	10	1	25	23.88
QPSK	710	23790	10	1	49	23.79
QPSK	710	23790	10	25	0	22.60
QPSK	710	23790	10	25	12	22.58
QPSK	710	23790	10	25	25	22.65
QPSK	710	23790	10	50	0	22.64
QPSK	711	23800	10	1	0	23.68
QPSK	711	23800	10	1	25	23.77
QPSK	711	23800	10	1	49	23.53
QPSK	711	23800	10	25	0	22.62
QPSK	711	23800	10	25	12	22.75
QPSK	711	23800	10	25	25	22.54
QPSK	711	23800	10	50	0	22.60

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.34
16QAM	709	23780	10	1	25	22.86
16QAM	709	23780	10	1	49	21.69
16QAM	709	23780	10	25	0	21.84
16QAM	709	23780	10	25	12	21.84
16QAM	709	23780	10	25	25	21.71
16QAM	709	23780	10	50	0	21.71
16QAM	710	23790	10	1	0	22.13
16QAM	710	23790	10	1	25	22.86
16QAM	710	23790	10	1	49	22.43
16QAM	710	23790	10	25	0	21.67
16QAM	710	23790	10	25	12	21.85
16QAM	710	23790	10	25	25	21.76
16QAM	710	23790	10	50	0	21.69
16QAM	711	23800	10	1	0	23.03
16QAM	711	23800	10	1	25	23.28
16QAM	711	23800	10	1	49	23.01
16QAM	711	23800	10	25	0	21.58
16QAM	711	23800	10	25	12	21.41
16QAM	711	23800	10	25	25	21.50
16QAM	711	23800	10	50	0	21.77
64QAM	709	23780	10	1	0	21.87
64QAM	709	23780	10	1	25	22.11
64QAM	709	23780	10	1	49	20.94
64QAM	709	23780	10	25	0	20.47
64QAM	709	23780	10	25	12	20.66
64QAM	709	23780	10	25	25	20.45
64QAM	709	23780	10	50	0	20.58
64QAM	710	23790	10	1	0	21.58
64QAM	710	23790	10	1	25	21.78
64QAM	710	23790	10	1	49	20.94
64QAM	710	23790	10	25	0	20.54
64QAM	710	23790	10	25	12	20.71
64QAM	710	23790	10	25	25	20.46
64QAM	710	23790	10	50	0	20.67
64QAM	711	23800	10	1	0	21.78
64QAM	711	23800	10	1	25	21.48
64QAM	711	23800	10	1	49	21.78
64QAM	711	23800	10	25	0	20.60
64QAM	711	23800	10	25	12	20.36
64QAM	711	23800	10	25	25	20.74
64QAM	711	23800	10	50	0	20.72

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.450	Fig.1
17	QPSK	710	23790	5	25	0	4.440	Fig.2
17	QPSK	713.5	23825	5	25	0	4.480	Fig.3
17	QPSK	709	23780	10	50	0	8.860	Fig.4
17	QPSK	710	23790	10	50	0	8.870	Fig.5
17	QPSK	711	23800	10	50	0	8.910	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.450	Fig.7
17	16QAM	710	23790	5	25	0	4.450	Fig.8
17	16QAM	713.5	23825	5	25	0	4.470	Fig.9
17	16QAM	709	23780	10	50	0	8.860	Fig.10
17	16QAM	710	23790	10	50	0	8.860	Fig.11
17	16QAM	711	23800	10	50	0	8.900	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.450	Fig.13
17	64QAM	710	23790	5	25	0	4.460	Fig.14
17	64QAM	713.5	23825	5	25	0	4.470	Fig.15
17	64QAM	709	23780	10	50	0	8.880	Fig.16
17	64QAM	710	23790	10	50	0	8.880	Fig.17
17	64QAM	711	23800	10	50	0	8.910	Fig.18

Test Mode: QPSK

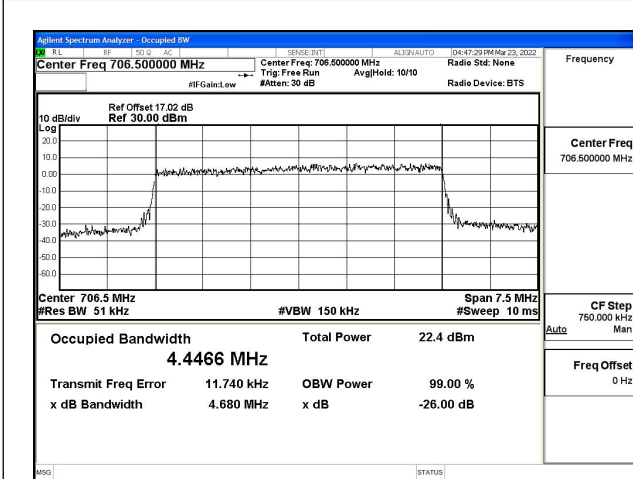


Fig.1

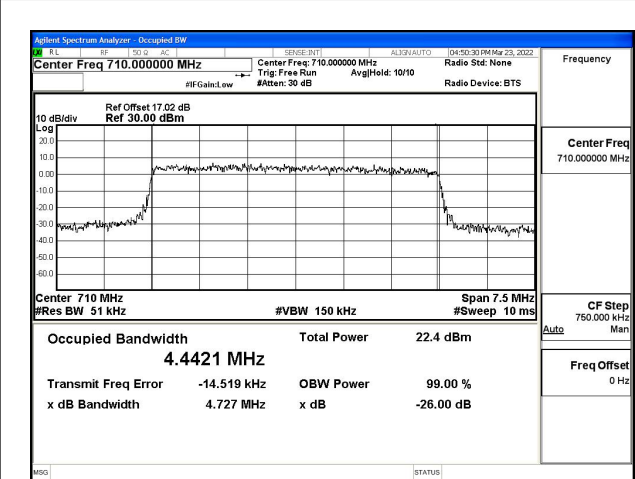


Fig.2

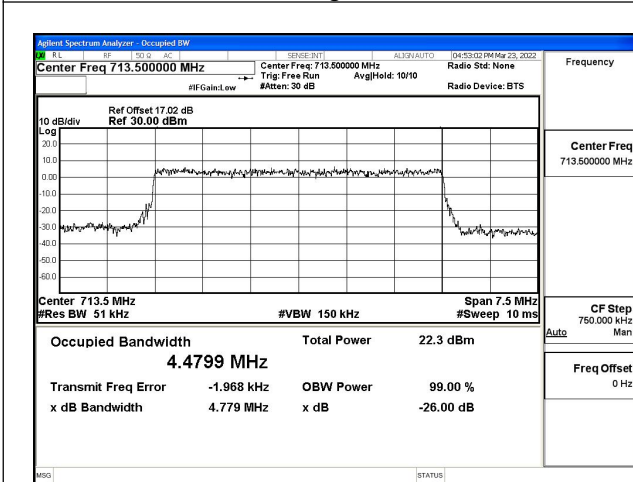


Fig.3

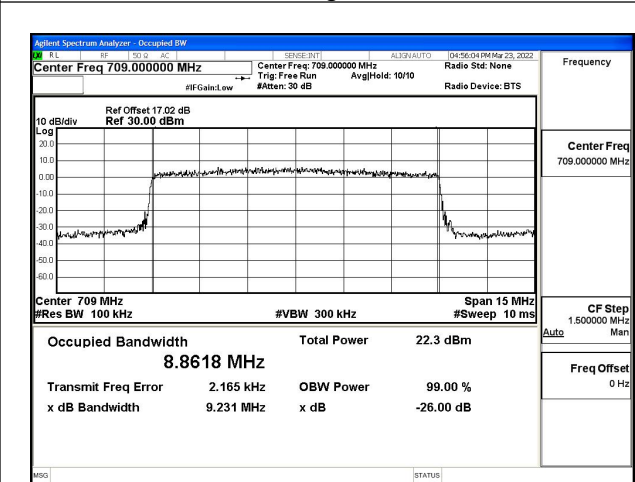


Fig.4

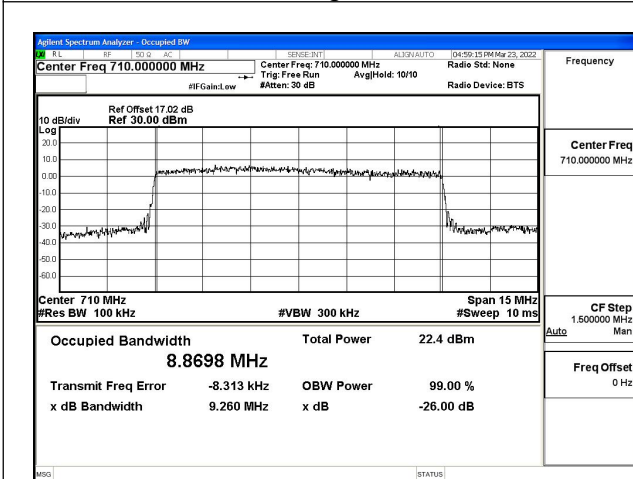


Fig.5

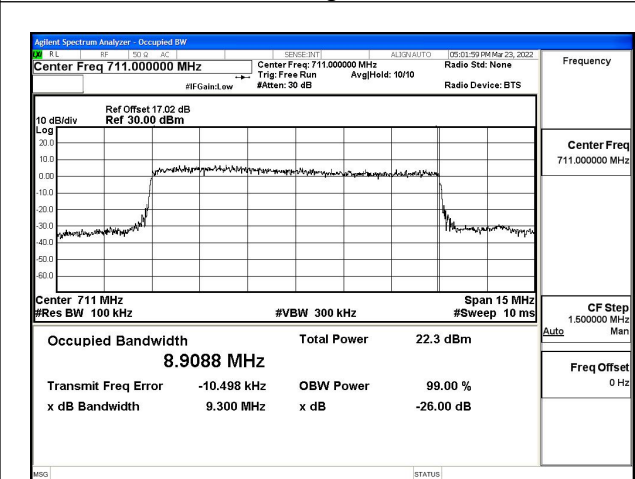


Fig.6

Test Mode: 16QAM

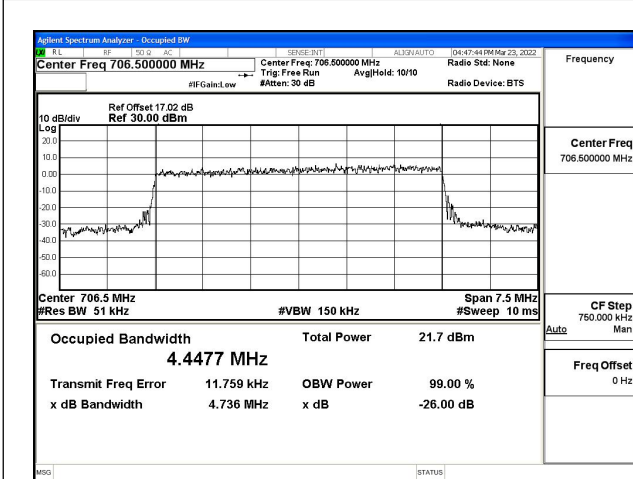


Fig.7

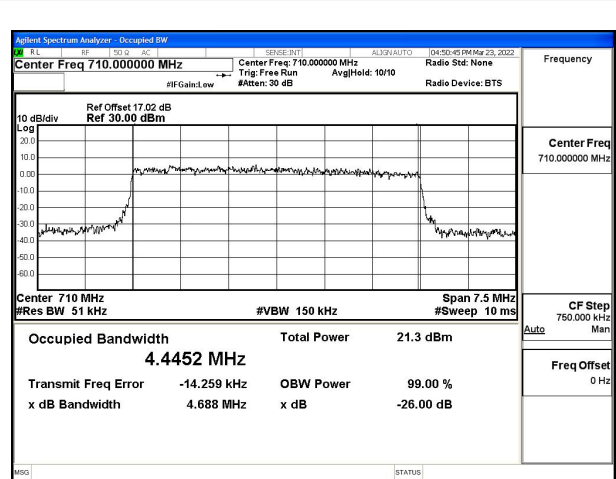


Fig.8

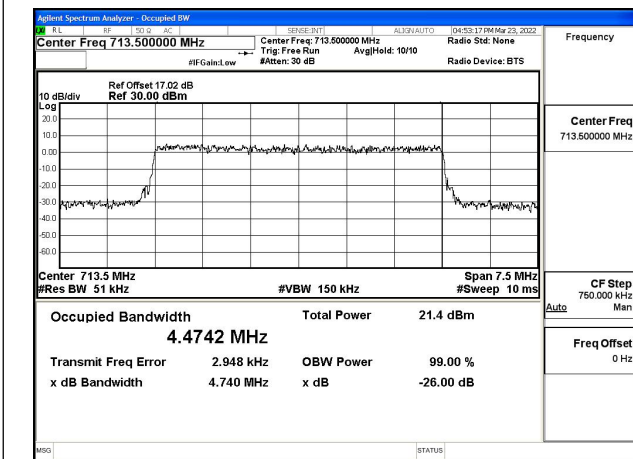


Fig.9

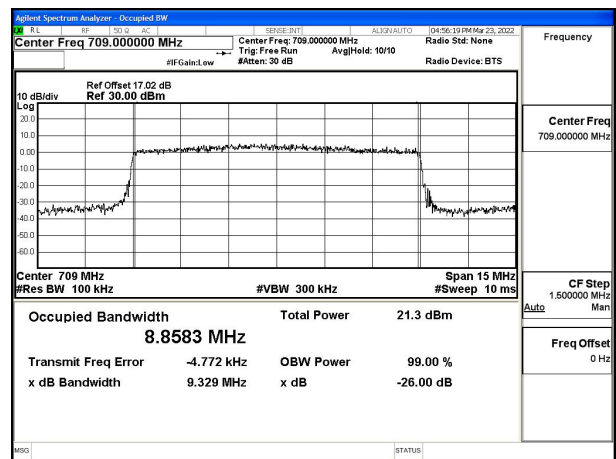


Fig.10

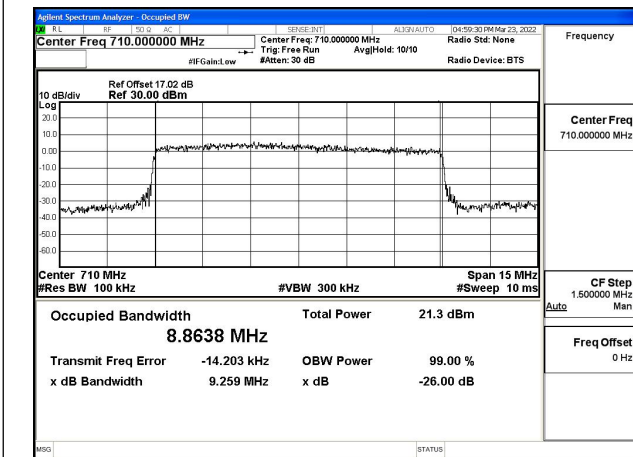


Fig.11

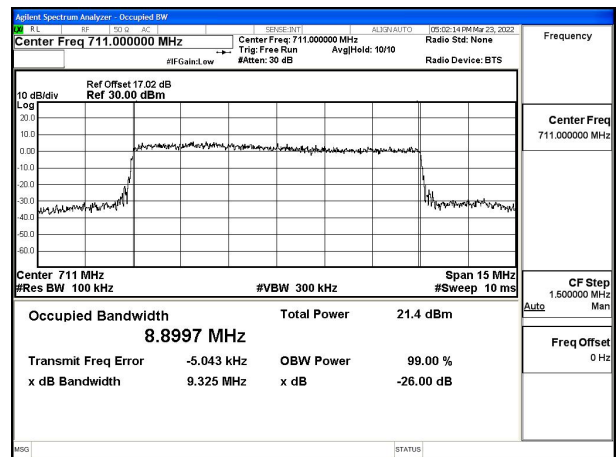


Fig.12

Test Mode: 64QAM

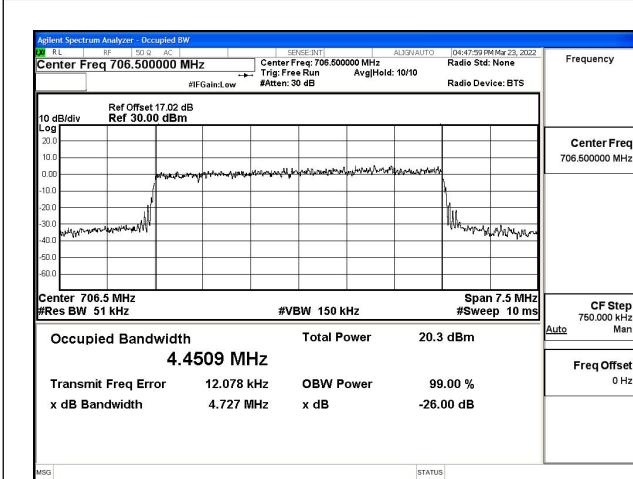


Fig.13

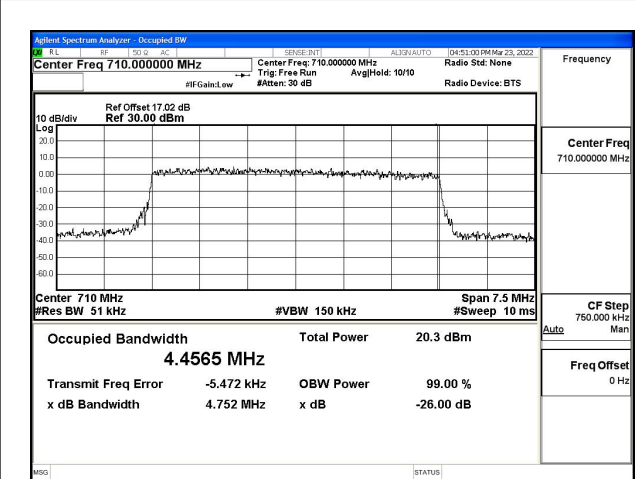


Fig.14

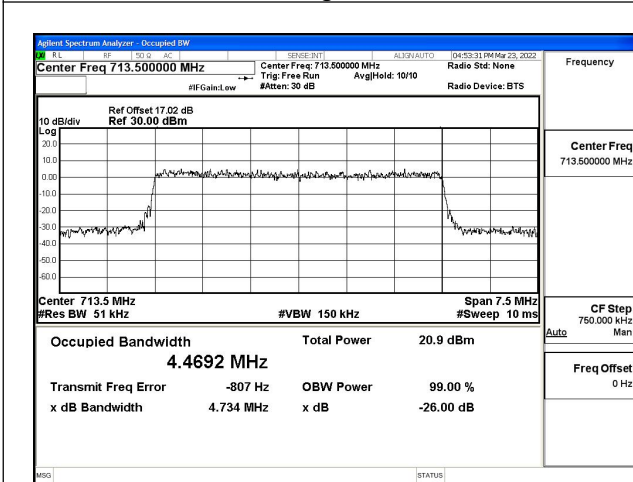


Fig.15

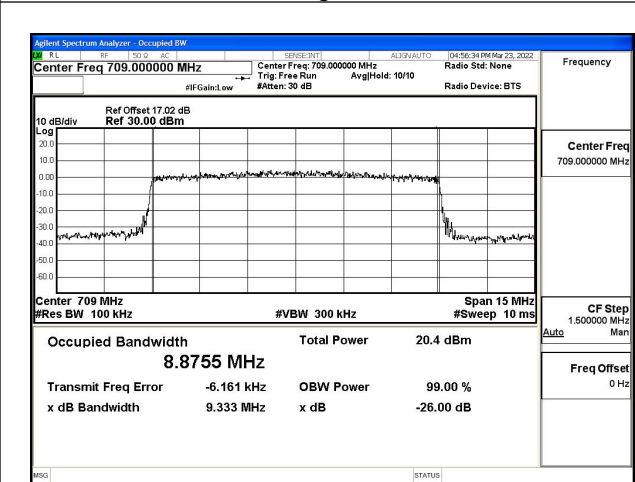


Fig.16

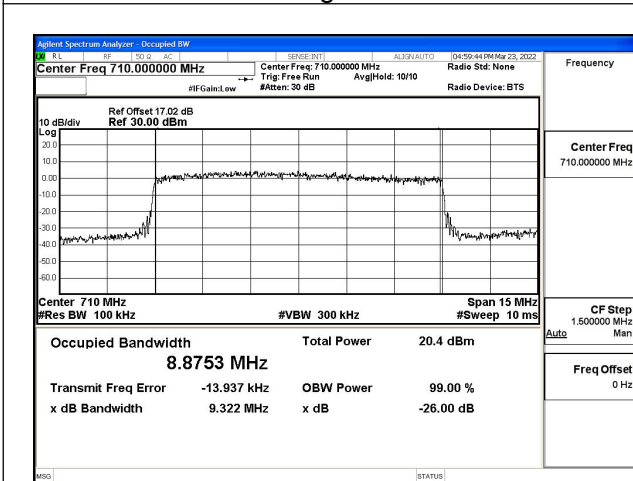


Fig.17

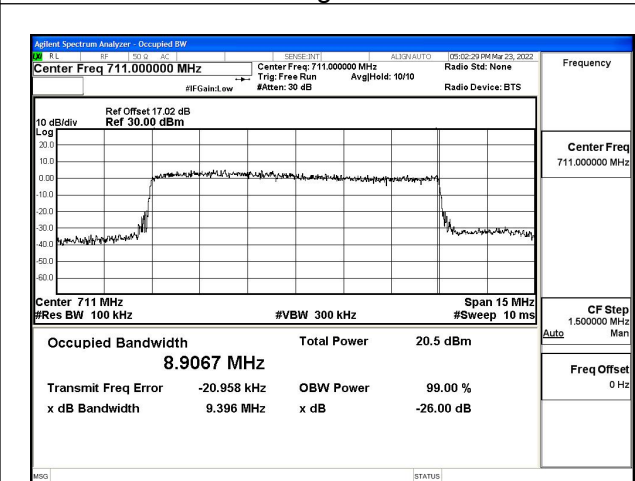


Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.680	Fig.1
17	QPSK	710	23790	5	25	0	4.730	Fig.2
17	QPSK	713.5	23825	5	25	0	4.780	Fig.3
17	QPSK	709	23780	10	50	0	9.230	Fig.4
17	QPSK	710	23790	10	50	0	9.260	Fig.5
17	QPSK	711	23800	10	50	0	9.300	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.740	Fig.7
17	16QAM	710	23790	5	25	0	4.690	Fig.8
17	16QAM	713.5	23825	5	25	0	4.740	Fig.9
17	16QAM	709	23780	10	50	0	9.330	Fig.10
17	16QAM	710	23790	10	50	0	9.260	Fig.11
17	16QAM	711	23800	10	50	0	9.320	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.730	Fig.13
17	64QAM	710	23790	5	25	0	4.750	Fig.14
17	64QAM	713.5	23825	5	25	0	4.730	Fig.15
17	64QAM	709	23780	10	50	0	9.330	Fig.16
17	64QAM	710	23790	10	50	0	9.320	Fig.17
17	64QAM	711	23800	10	50	0	9.400	Fig.18

Test Mode: QPSK

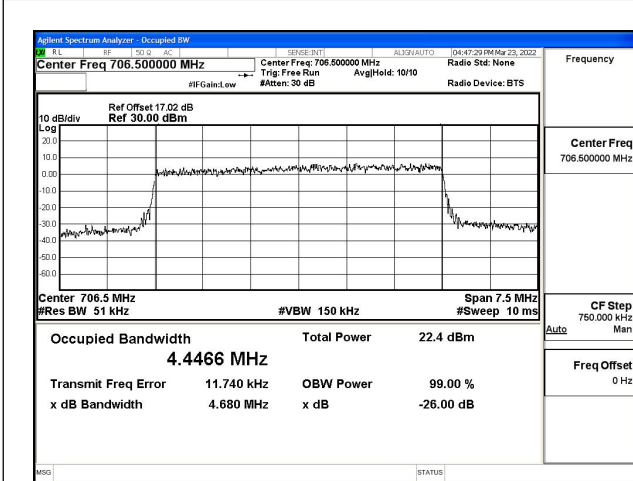


Fig.1

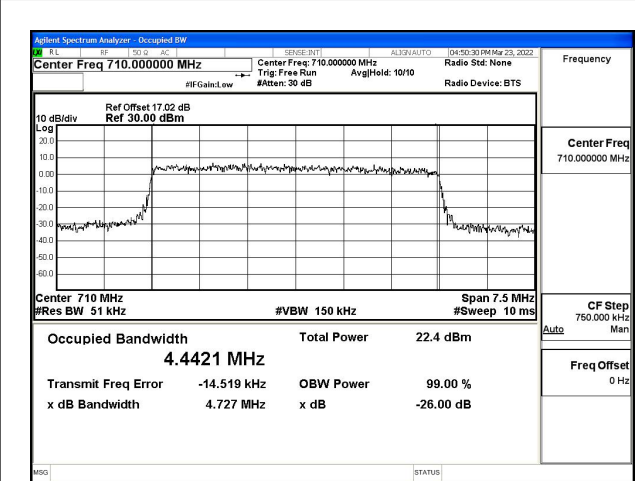


Fig.2

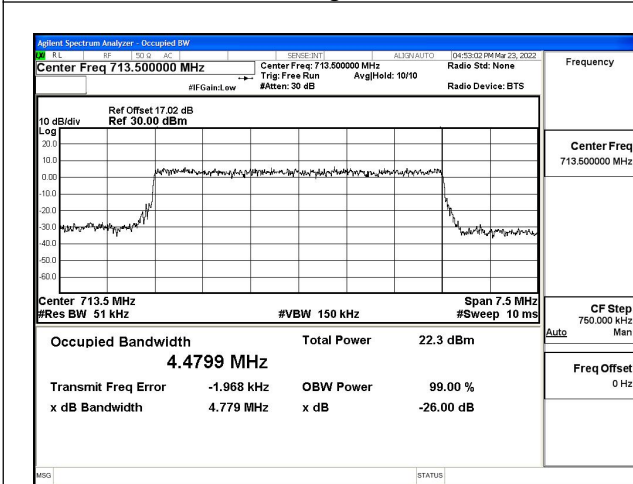


Fig.3

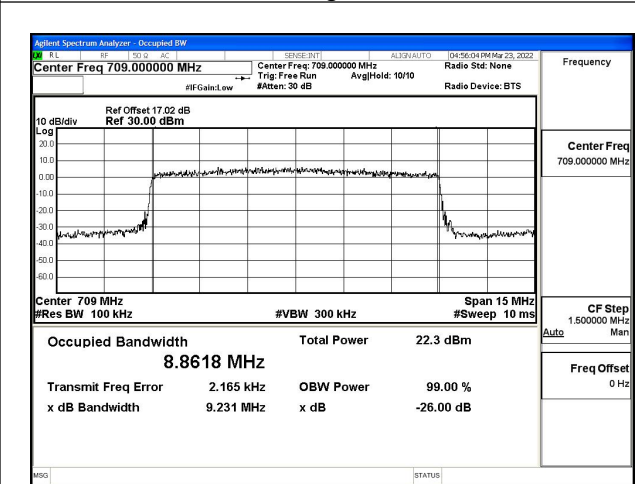


Fig.4

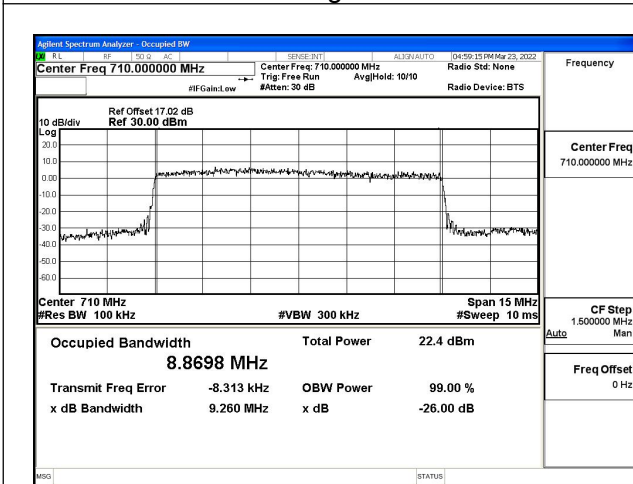


Fig.5

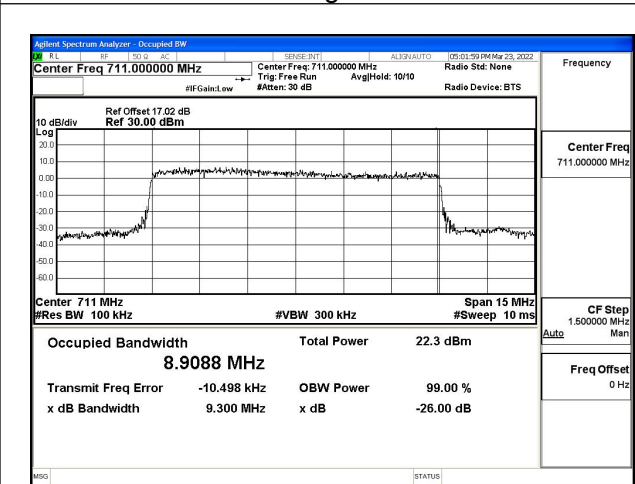


Fig.6

Test Mode: 64QAM

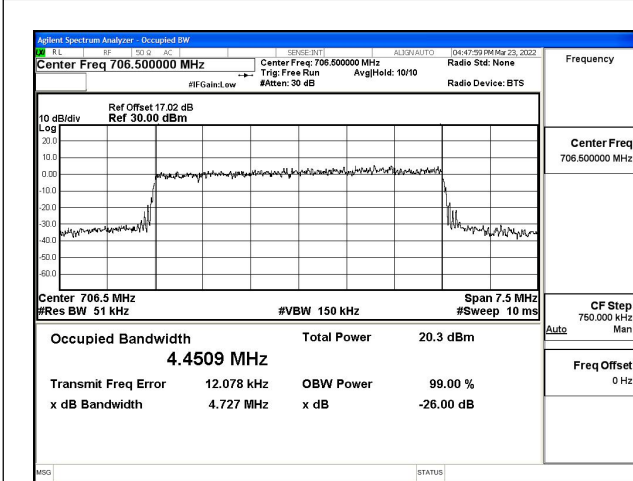


Fig.13

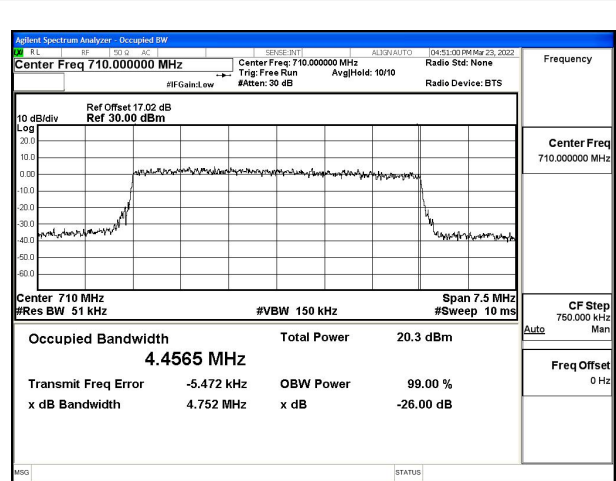


Fig.14

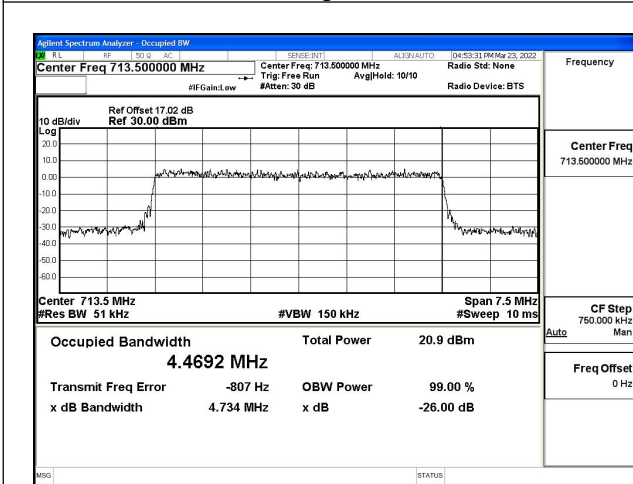


Fig.15

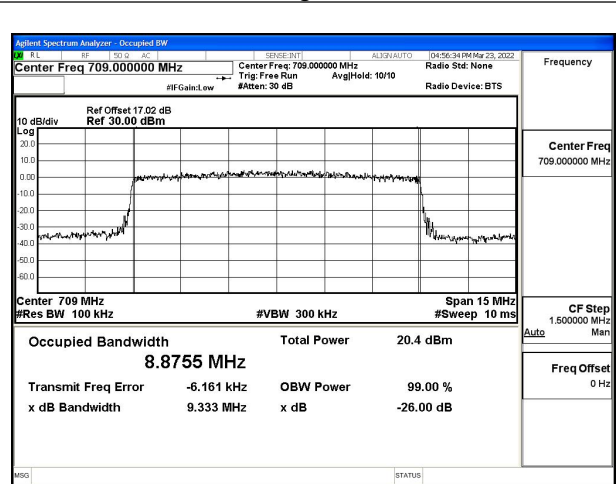


Fig.16

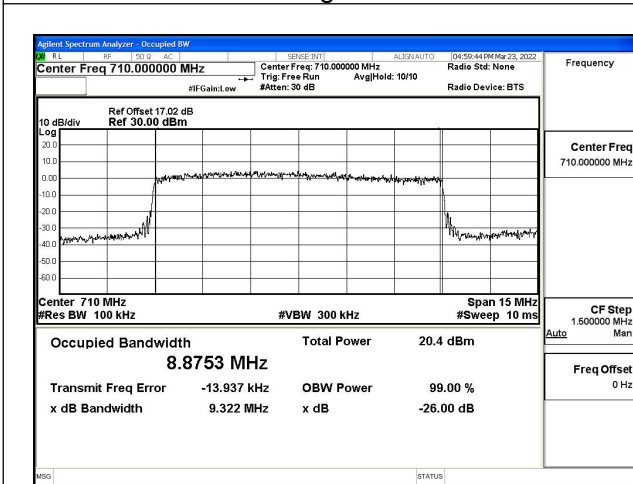


Fig.17

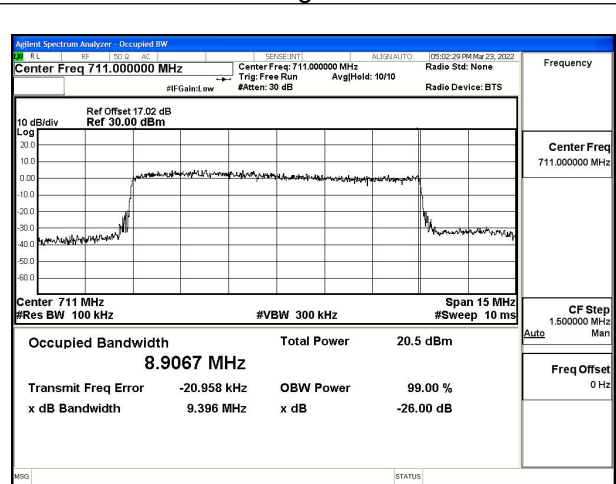


Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	706.5	23755	5	1	24	Fig.1	Fig.2	Fig.3
17	706.5	23755	5	25	0	Fig.4	Fig.5	Fig.6
17	710	23790	5	1	24	Fig.7	Fig.8	Fig.9
17	710	23790	5	25	0	Fig.10	Fig.11	Fig.12
17	713.5	23825	5	1	24	Fig.13	Fig.14	Fig.15
17	713.5	23825	5	25	0	Fig.16	Fig.17	Fig.18
17	709	23780	10	1	49	Fig.19	Fig.20	Fig.21
17	709	23780	10	50	0	Fig.22	Fig.23	Fig.24
17	710	23790	10	1	49	Fig.25	Fig.26	Fig.27
17	710	23790	10	50	0	Fig.28	Fig.29	Fig.30
17	711	23800	10	1	49	Fig.31	Fig.32	Fig.33
17	711	23800	10	50	0	Fig.34	Fig.35	Fig.36

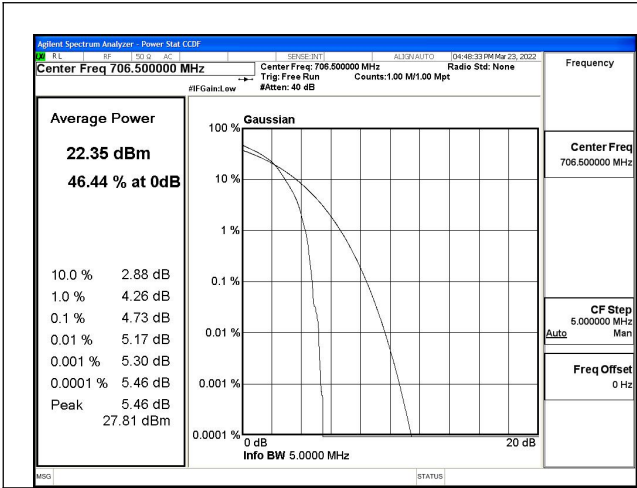


Fig.1

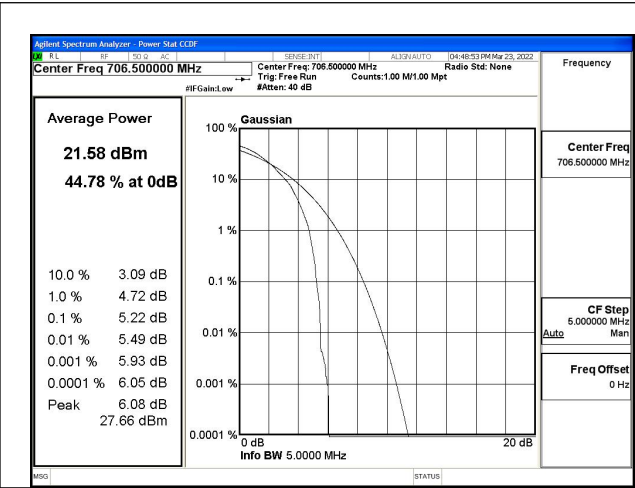


Fig.2

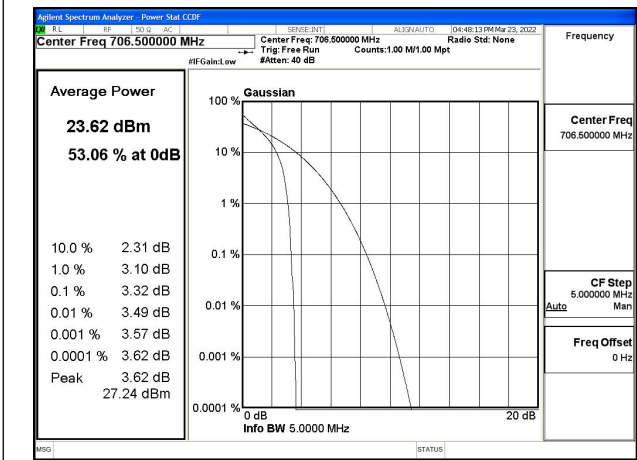


Fig.3

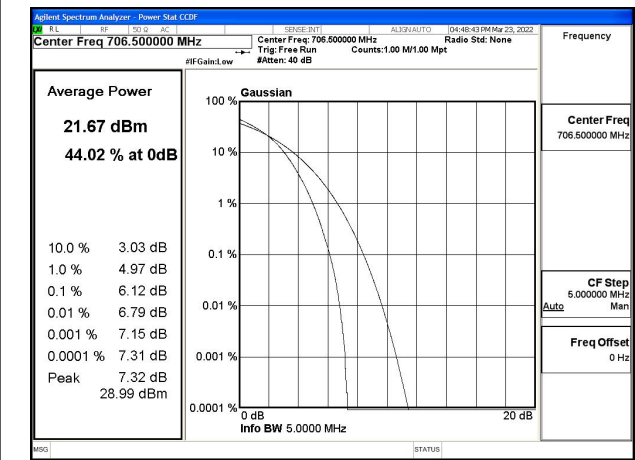


Fig.4

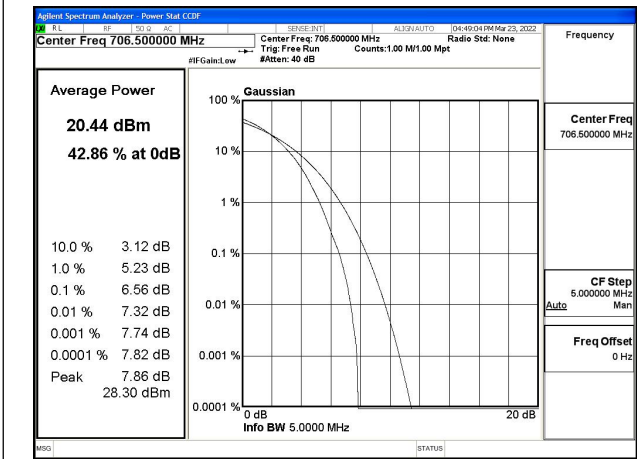


Fig.5

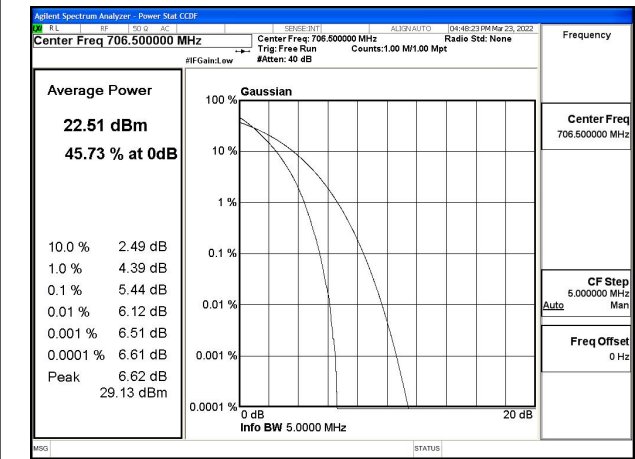


Fig.6