

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	25.93
QPSK	706.5	23755	5	1	12	26.30
QPSK	706.5	23755	5	1	24	26.38
QPSK	706.5	23755	5	12	0	25.44
QPSK	706.5	23755	5	12	7	25.40
QPSK	706.5	23755	5	12	13	25.68
QPSK	706.5	23755	5	25	0	25.39
QPSK	710	23790	5	1	0	26.59
QPSK	710	23790	5	1	12	26.51
QPSK	710	23790	5	1	24	26.62
QPSK	710	23790	5	12	0	25.83
QPSK	710	23790	5	12	7	25.70
QPSK	710	23790	5	12	13	25.47
QPSK	710	23790	5	25	0	25.65
QPSK	713.5	23825	5	1	0	27.12
QPSK	713.5	23825	5	1	12	26.97
QPSK	713.5	23825	5	1	24	26.86
QPSK	713.5	23825	5	12	0	25.67
QPSK	713.5	23825	5	12	7	25.74
QPSK	713.5	23825	5	12	13	25.69
QPSK	713.5	23825	5	25	0	25.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	25.58
16QAM	706.5	23755	5	1	12	25.45
16QAM	706.5	23755	5	1	24	25.37
16QAM	706.5	23755	5	12	0	24.42
16QAM	706.5	23755	5	12	7	24.38
16QAM	706.5	23755	5	12	13	24.61
16QAM	706.5	23755	5	25	0	24.60
16QAM	710	23790	5	1	0	26.38
16QAM	710	23790	5	1	12	26.00
16QAM	710	23790	5	1	24	26.01
16QAM	710	23790	5	12	0	24.61
16QAM	710	23790	5	12	7	24.59
16QAM	710	23790	5	12	13	24.73
16QAM	710	23790	5	25	0	24.65
16QAM	713.5	23825	5	1	0	25.55
16QAM	713.5	23825	5	1	12	25.45
16QAM	713.5	23825	5	1	24	25.67
16QAM	713.5	23825	5	12	0	24.74
16QAM	713.5	23825	5	12	7	24.60
16QAM	713.5	23825	5	12	13	24.72
16QAM	713.5	23825	5	25	0	24.94
64QAM	706.5	23755	5	1	0	24.26
64QAM	706.5	23755	5	1	12	24.92
64QAM	706.5	23755	5	1	24	24.46
64QAM	706.5	23755	5	12	0	22.91
64QAM	706.5	23755	5	12	7	22.85
64QAM	706.5	23755	5	12	13	22.96
64QAM	706.5	23755	5	25	0	22.90
64QAM	710	23790	5	1	0	24.77
64QAM	710	23790	5	1	12	24.58
64QAM	710	23790	5	1	24	24.63
64QAM	710	23790	5	12	0	22.97
64QAM	710	23790	5	12	7	23.13
64QAM	710	23790	5	12	13	22.99
64QAM	710	23790	5	25	0	23.05
64QAM	713.5	23825	5	1	0	24.81
64QAM	713.5	23825	5	1	12	25.10
64QAM	713.5	23825	5	1	24	24.60
64QAM	713.5	23825	5	12	0	23.13
64QAM	713.5	23825	5	12	7	23.23
64QAM	713.5	23825	5	12	13	23.12
64QAM	713.5	23825	5	25	0	23.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	26.51
QPSK	709	23780	10	1	25	26.60
QPSK	709	23780	10	1	49	26.82
QPSK	709	23780	10	25	0	25.46
QPSK	709	23780	10	25	12	25.40
QPSK	709	23780	10	25	25	25.72
QPSK	709	23780	10	50	0	25.81
QPSK	710	23790	10	1	0	26.78
QPSK	710	23790	10	1	25	26.93
QPSK	710	23790	10	1	49	26.92
QPSK	710	23790	10	25	0	25.77
QPSK	710	23790	10	25	12	25.63
QPSK	710	23790	10	25	25	25.58
QPSK	710	23790	10	50	0	25.56
QPSK	711	23800	10	1	0	26.72
QPSK	711	23800	10	1	25	26.90
QPSK	711	23800	10	1	49	26.68
QPSK	711	23800	10	25	0	25.55
QPSK	711	23800	10	25	12	25.53
QPSK	711	23800	10	25	25	25.58
QPSK	711	23800	10	50	0	25.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	25.37
16QAM	709	23780	10	1	25	25.99
16QAM	709	23780	10	1	49	25.86
16QAM	709	23780	10	25	0	24.36
16QAM	709	23780	10	25	12	24.56
16QAM	709	23780	10	25	25	24.53
16QAM	709	23780	10	50	0	24.75
16QAM	710	23790	10	1	0	25.28
16QAM	710	23790	10	1	25	26.13
16QAM	710	23790	10	1	49	25.65
16QAM	710	23790	10	25	0	24.81
16QAM	710	23790	10	25	12	24.71
16QAM	710	23790	10	25	25	24.77
16QAM	710	23790	10	50	0	24.72
16QAM	711	23800	10	1	0	25.37
16QAM	711	23800	10	1	25	25.52
16QAM	711	23800	10	1	49	25.48
16QAM	711	23800	10	25	0	25.00
16QAM	711	23800	10	25	12	24.93
16QAM	711	23800	10	25	25	24.81
16QAM	711	23800	10	50	0	24.80
64QAM	709	23780	10	1	0	24.07
64QAM	709	23780	10	1	25	24.42
64QAM	709	23780	10	1	49	23.90
64QAM	709	23780	10	25	0	22.65
64QAM	709	23780	10	25	12	22.87
64QAM	709	23780	10	25	25	23.13
64QAM	709	23780	10	50	0	22.98
64QAM	710	23790	10	1	0	24.25
64QAM	710	23790	10	1	25	24.98
64QAM	710	23790	10	1	49	25.01
64QAM	710	23790	10	25	0	23.05
64QAM	710	23790	10	25	12	23.11
64QAM	710	23790	10	25	25	23.05
64QAM	710	23790	10	50	0	23.09
64QAM	711	23800	10	1	0	24.42
64QAM	711	23800	10	1	25	24.58
64QAM	711	23800	10	1	49	24.53
64QAM	711	23800	10	25	0	22.96
64QAM	711	23800	10	25	12	22.96
64QAM	711	23800	10	25	25	23.01
64QAM	711	23800	10	50	0	23.12

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	4.47	Fig.1
17	QPSK	710	23790	5	25	0	4.45	Fig.2
17	QPSK	713.5	23825	5	25	0	4.46	Fig.3
17	QPSK	709	23780	10	50	0	8.94	Fig.4
17	QPSK	710	23790	10	50	0	8.91	Fig.5
17	QPSK	711	23800	10	50	0	8.91	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	4.45	Fig.7
17	16QAM	710	23790	5	25	0	4.46	Fig.8
17	16QAM	713.5	23825	5	25	0	4.44	Fig.9
17	16QAM	709	23780	10	50	0	8.91	Fig.10
17	16QAM	710	23790	10	50	0	8.92	Fig.11
17	16QAM	711	23800	10	50	0	8.91	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	4.46	Fig.13
17	64QAM	710	23790	5	25	0	4.46	Fig.14
17	64QAM	713.5	23825	5	25	0	4.46	Fig.15
17	64QAM	709	23780	10	50	0	8.93	Fig.16
17	64QAM	710	23790	10	50	0	8.91	Fig.17
17	64QAM	711	23800	10	50	0	8.93	Fig.18

Test Mode: QPSK

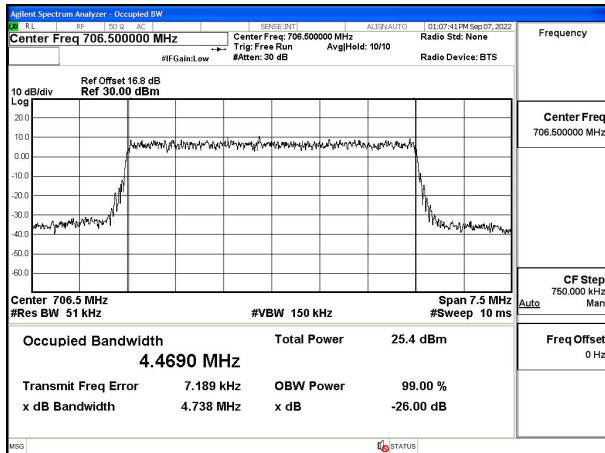


Fig.1

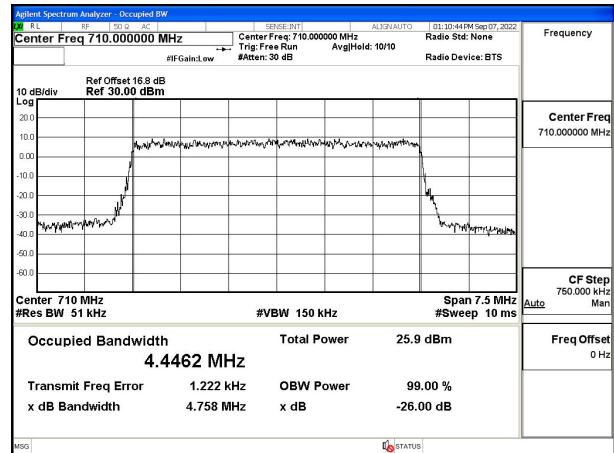


Fig.2

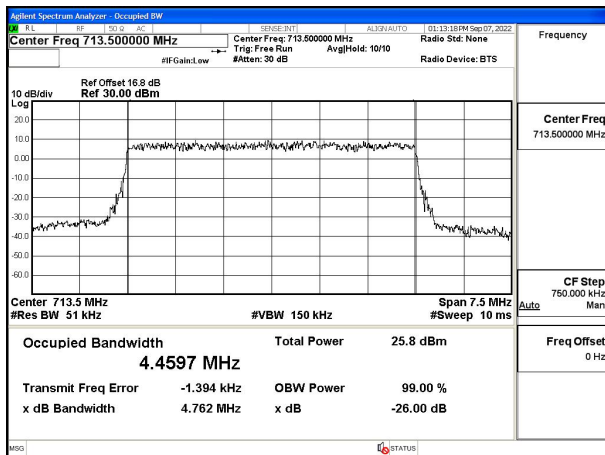


Fig.3

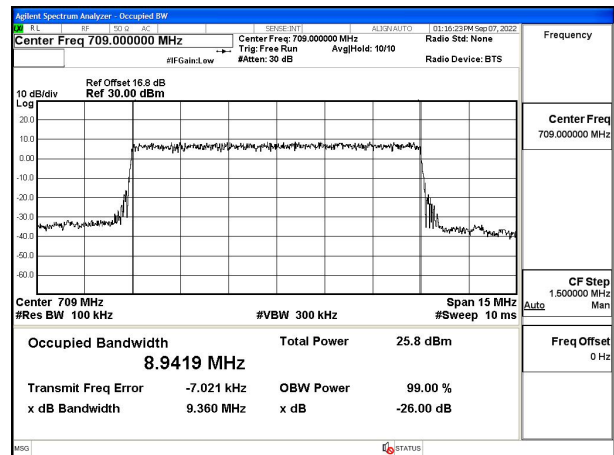


Fig.4

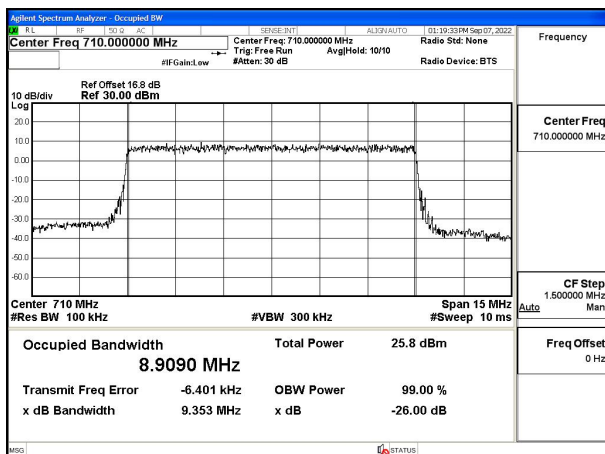


Fig.5

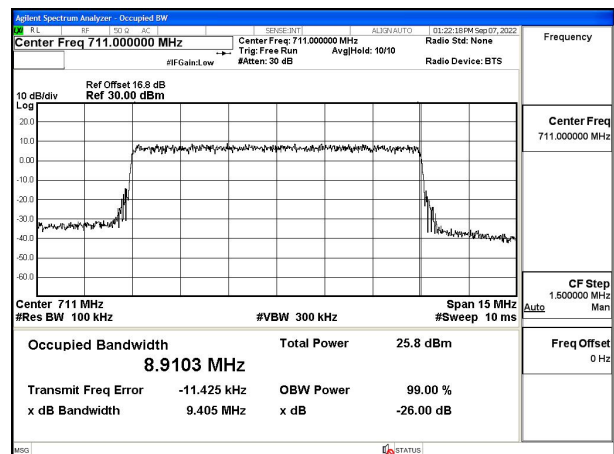


Fig.6

Test Mode: 16QAM

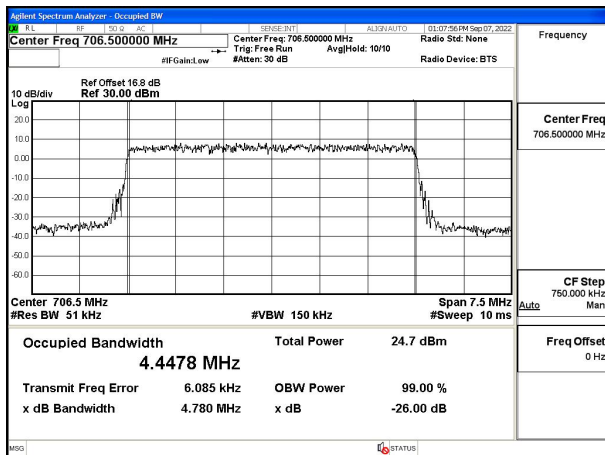


Fig.7

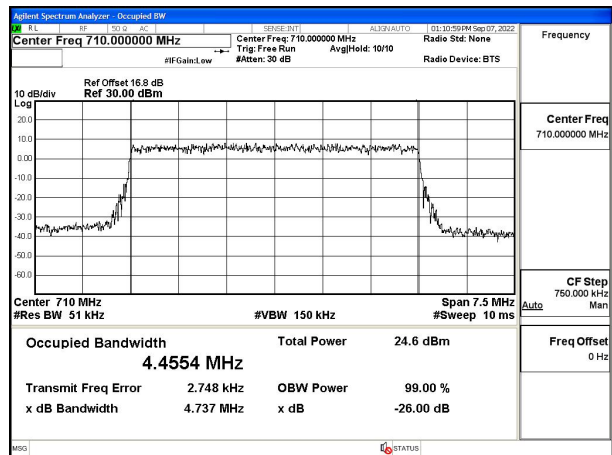


Fig.8

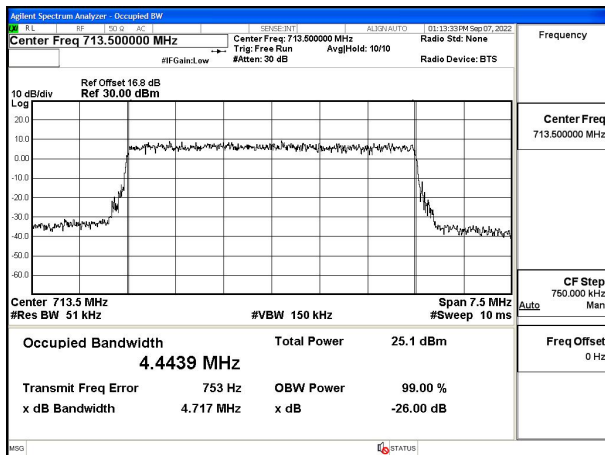


Fig.9

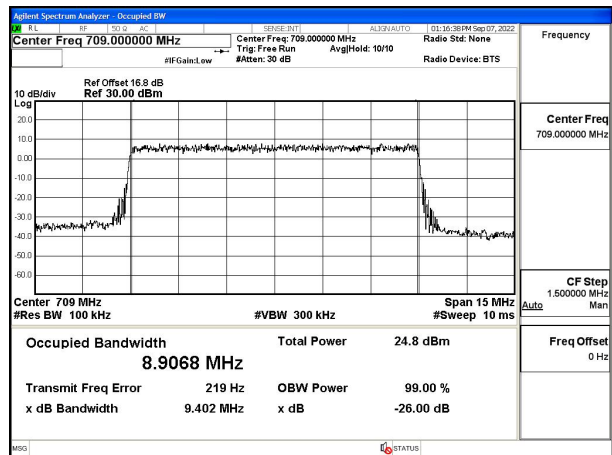


Fig.10

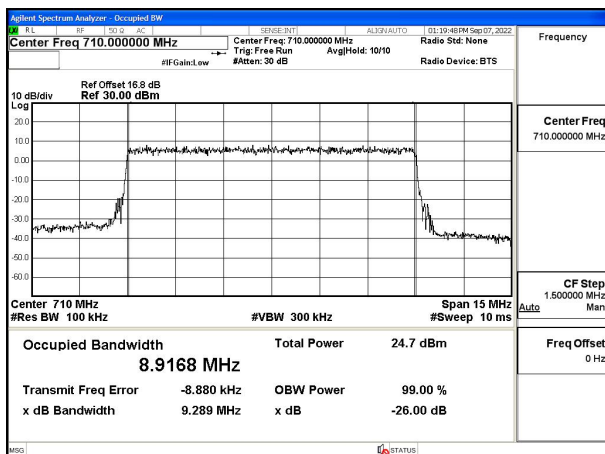


Fig.11

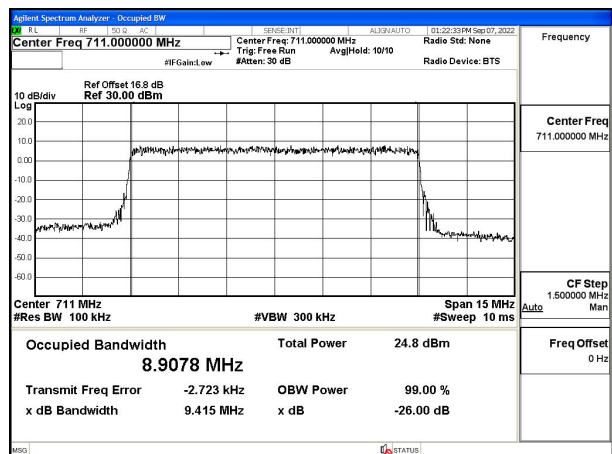


Fig.12

Test Mode: 64QAM

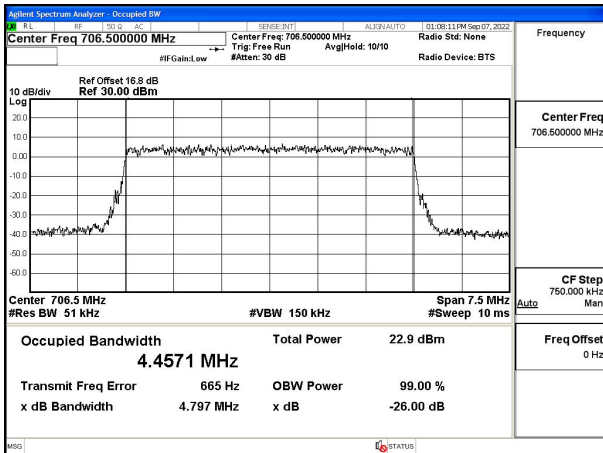


Fig.13

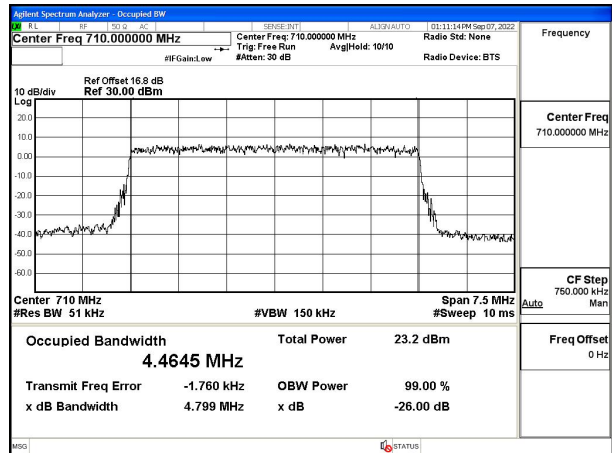


Fig.14

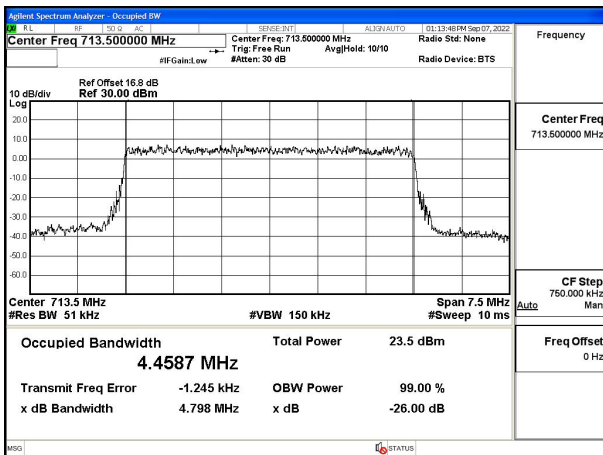


Fig.15

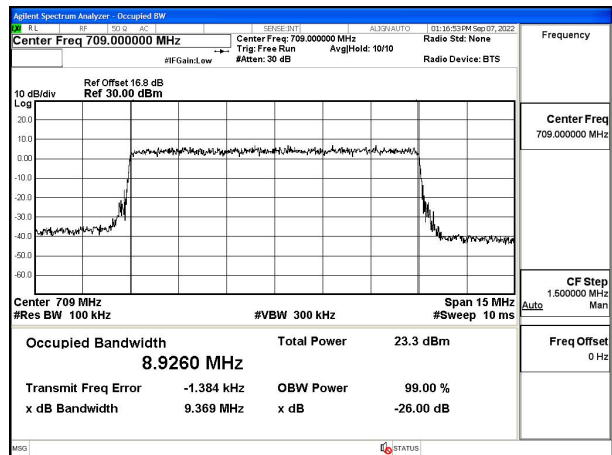


Fig.16

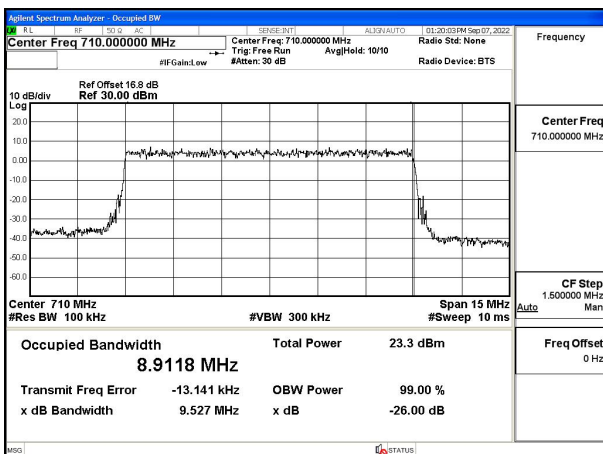


Fig.17

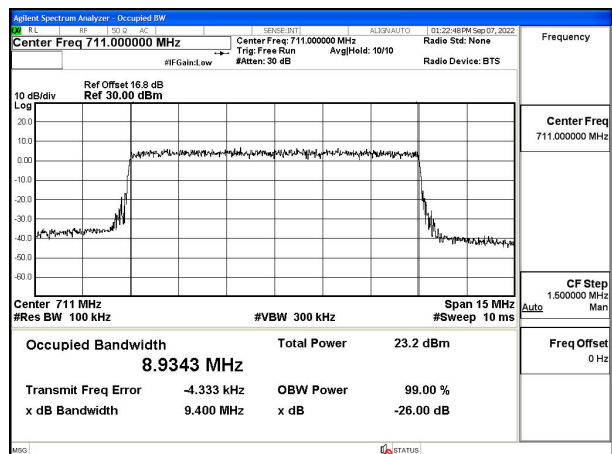


Fig.18

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	4.74	Fig.1
17	QPSK	710	23790	5	25	0	4.76	Fig.2
17	QPSK	713.5	23825	5	25	0	4.76	Fig.3
17	QPSK	709	23780	10	50	0	9.36	Fig.4
17	QPSK	710	23790	10	50	0	9.35	Fig.5
17	QPSK	711	23800	10	50	0	9.41	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	4.78	Fig.7
17	16QAM	710	23790	5	25	0	4.74	Fig.8
17	16QAM	713.5	23825	5	25	0	4.72	Fig.9
17	16QAM	709	23780	10	50	0	9.40	Fig.10
17	16QAM	710	23790	10	50	0	9.29	Fig.11
17	16QAM	711	23800	10	50	0	9.41	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	4.80	Fig.13
17	64QAM	710	23790	5	25	0	4.80	Fig.14
17	64QAM	713.5	23825	5	25	0	4.80	Fig.15
17	64QAM	709	23780	10	50	0	9.37	Fig.16
17	64QAM	710	23790	10	50	0	9.53	Fig.17
17	64QAM	711	23800	10	50	0	9.40	Fig.18

Test Mode: QPSK

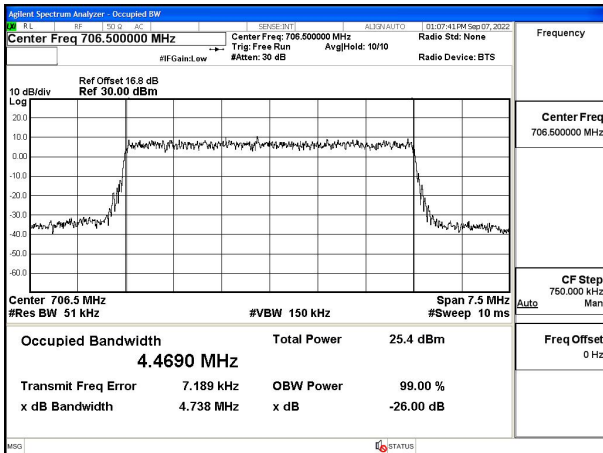


Fig.1

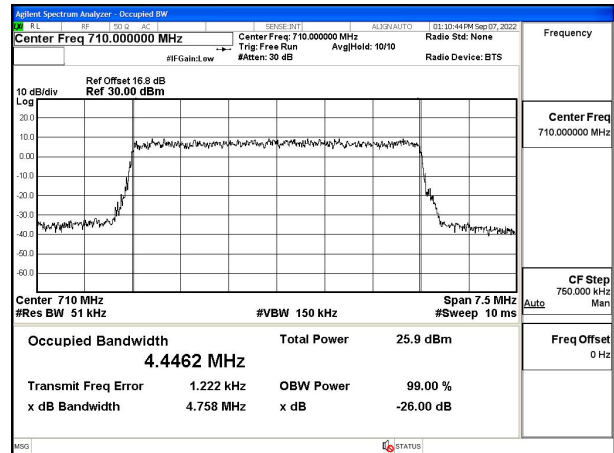


Fig.2

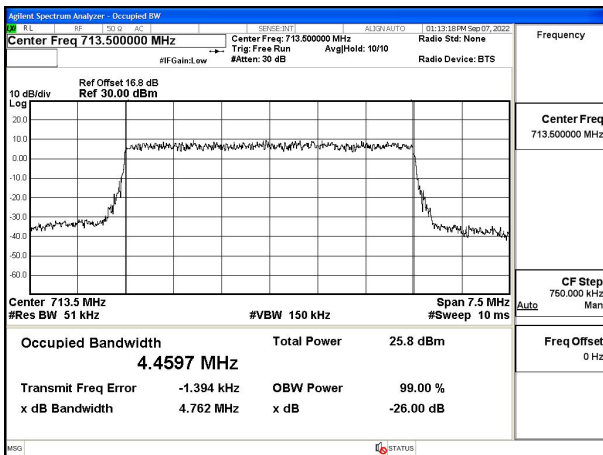


Fig.3

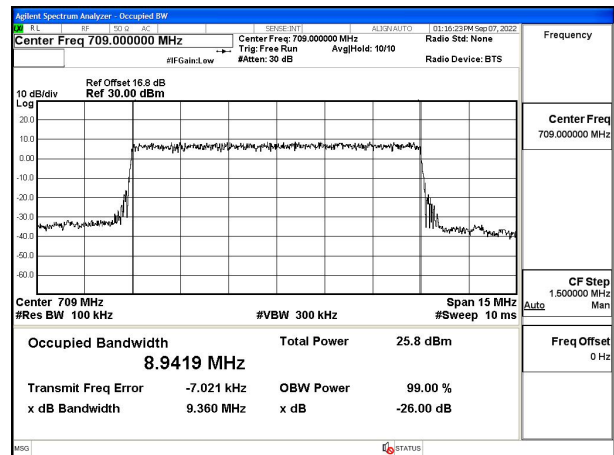


Fig.4

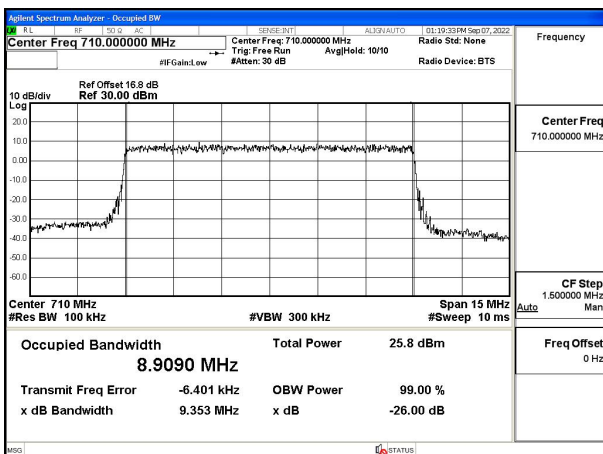


Fig.5

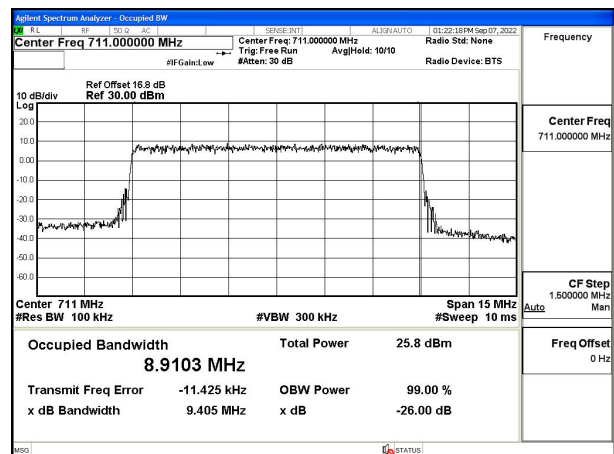


Fig.6

Test Mode: 16QAM

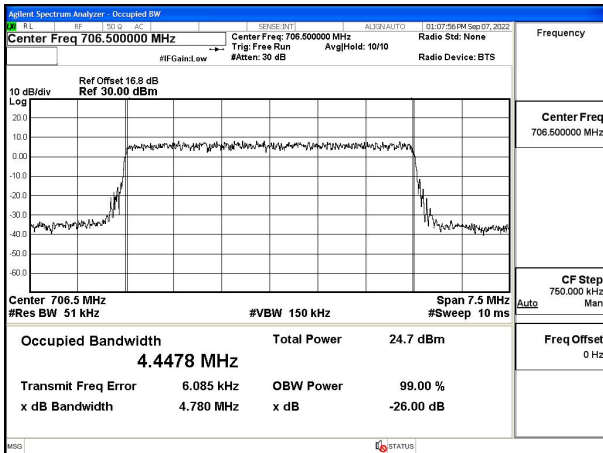


Fig.7

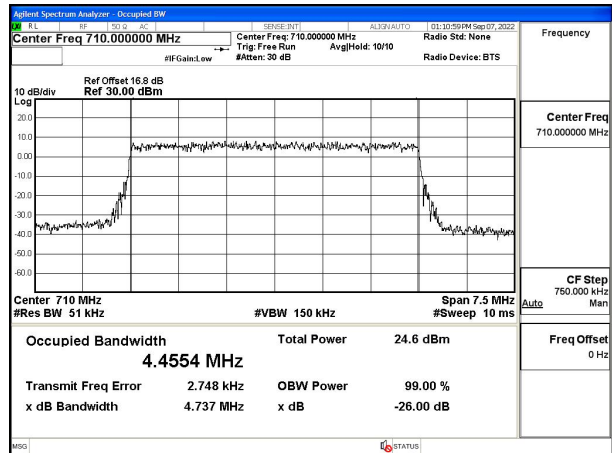


Fig.8

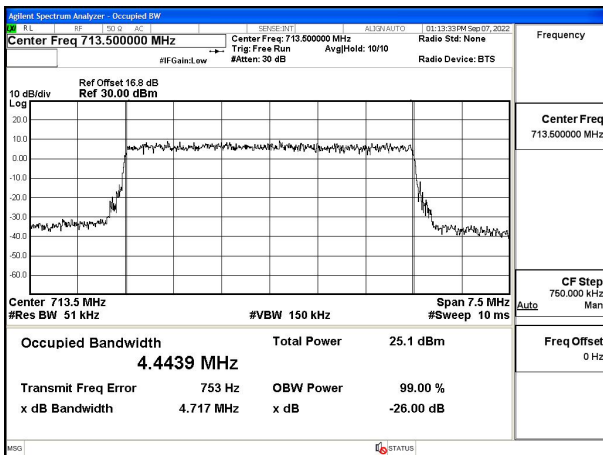


Fig.9

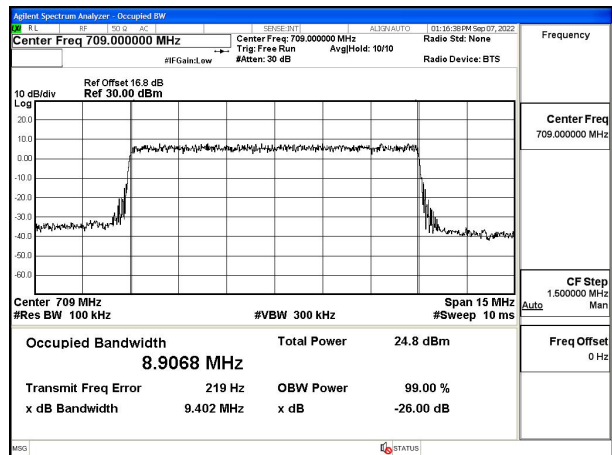


Fig.10

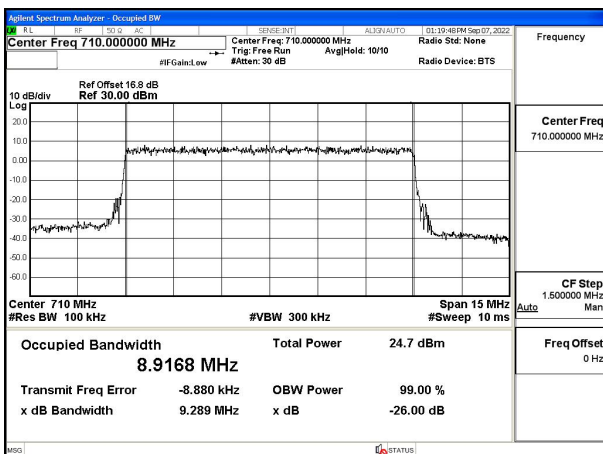


Fig.11

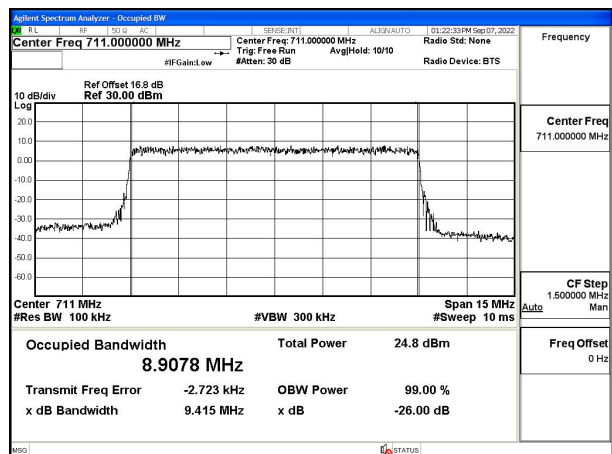


Fig.12

Test Mode: 64QAM

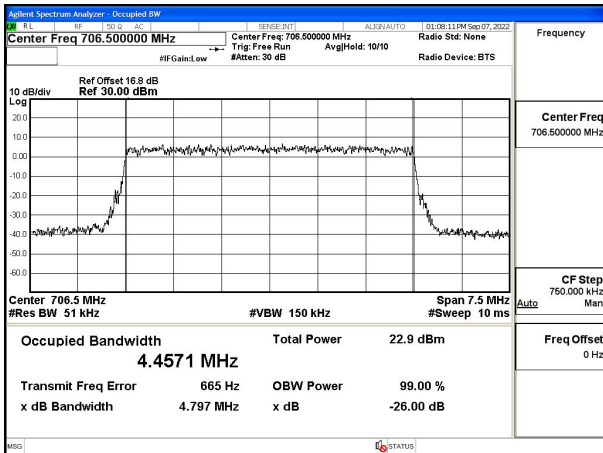


Fig.13

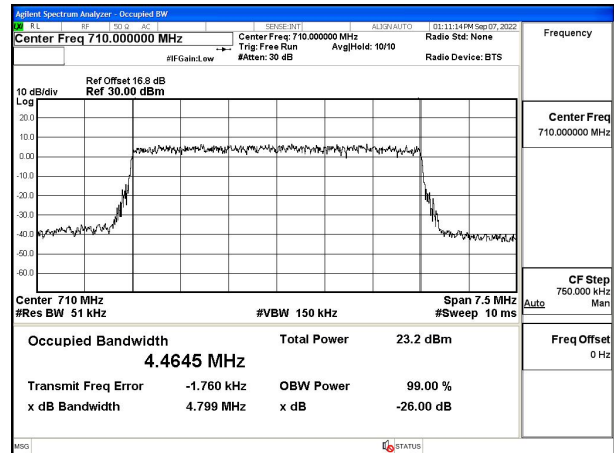


Fig.14

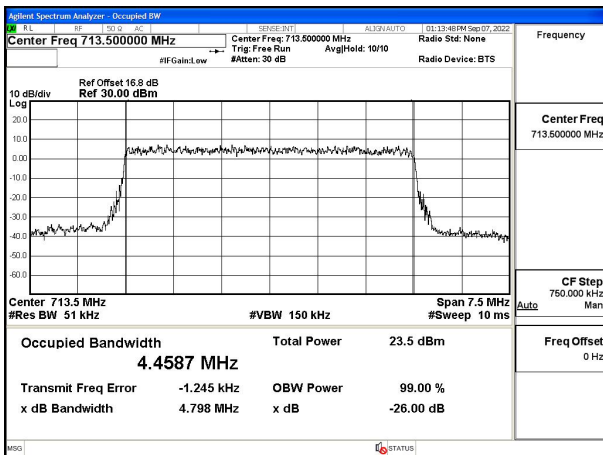


Fig.15

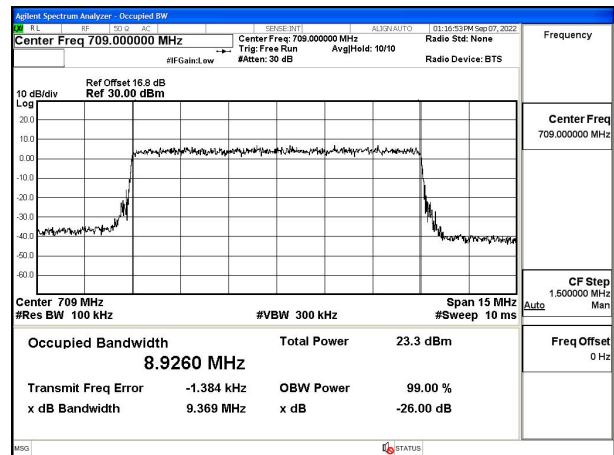


Fig.16

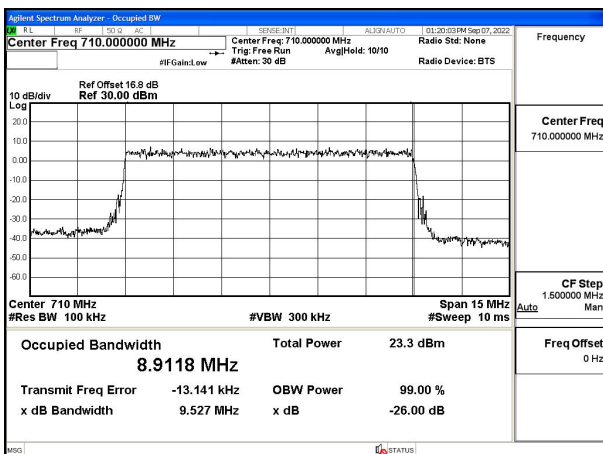


Fig.17

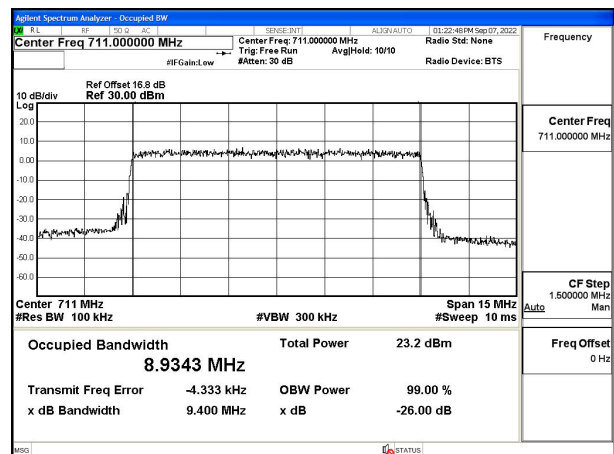


Fig.18

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

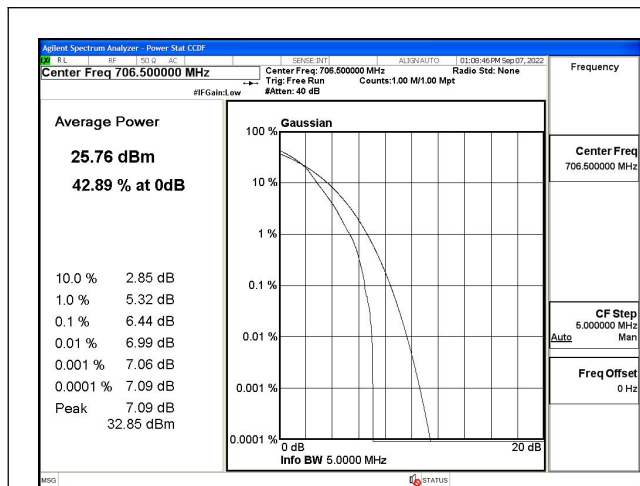


Fig.1

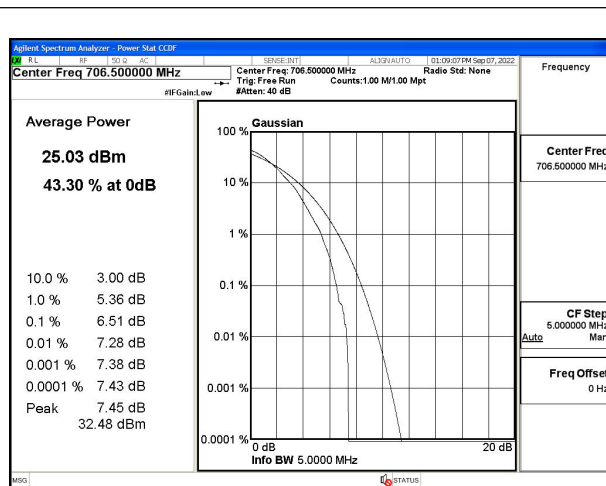


Fig.2

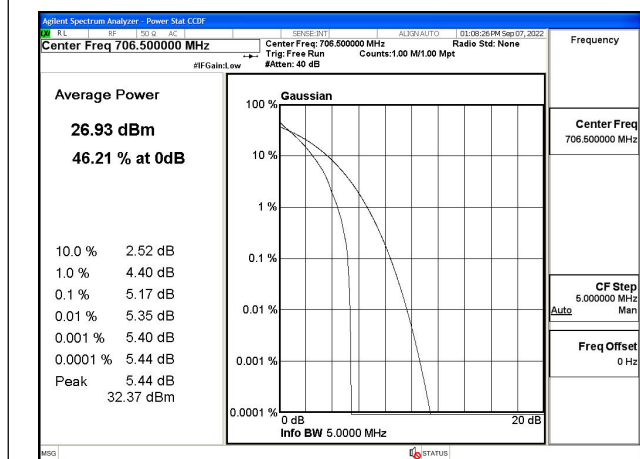


Fig.3

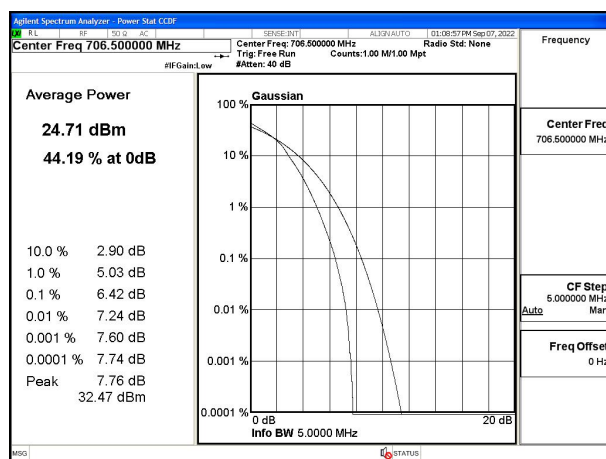


Fig.4