

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	23.55
QPSK	706.5	23755	5	1	12	23.42
QPSK	706.5	23755	5	1	24	23.45
QPSK	706.5	23755	5	12	0	22.43
QPSK	706.5	23755	5	12	7	22.54
QPSK	706.5	23755	5	12	13	22.46
QPSK	706.5	23755	5	25	0	22.48
QPSK	710	23790	5	1	0	23.48
QPSK	710	23790	5	1	12	23.48
QPSK	710	23790	5	1	24	23.34
QPSK	710	23790	5	12	0	22.39
QPSK	710	23790	5	12	7	22.51
QPSK	710	23790	5	12	13	22.48
QPSK	710	23790	5	25	0	22.44
QPSK	713.5	23825	5	1	0	23.46
QPSK	713.5	23825	5	1	12	23.49
QPSK	713.5	23825	5	1	24	23.42
QPSK	713.5	23825	5	12	0	22.38
QPSK	713.5	23825	5	12	7	22.51
QPSK	713.5	23825	5	12	13	22.47
QPSK	713.5	23825	5	25	0	22.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.66
16QAM	706.5	23755	5	1	12	22.69
16QAM	706.5	23755	5	1	24	22.64
16QAM	706.5	23755	5	12	0	21.51
16QAM	706.5	23755	5	12	7	21.58
16QAM	706.5	23755	5	12	13	21.56
16QAM	706.5	23755	5	25	0	21.47
16QAM	710	23790	5	1	0	22.81
16QAM	710	23790	5	1	12	22.88
16QAM	710	23790	5	1	24	22.76
16QAM	710	23790	5	12	0	21.53
16QAM	710	23790	5	12	7	21.77
16QAM	710	23790	5	12	13	21.50
16QAM	710	23790	5	25	0	21.49
16QAM	713.5	23825	5	1	0	22.67
16QAM	713.5	23825	5	1	12	22.60
16QAM	713.5	23825	5	1	24	22.92

16QAM	713.5	23825	5	12	0	21.50
16QAM	713.5	23825	5	12	7	21.62
16QAM	713.5	23825	5	12	13	21.44
16QAM	713.5	23825	5	25	0	21.39
64QAM	706.5	23755	5	1	0	22.58
64QAM	706.5	23755	5	1	12	22.43
64QAM	706.5	23755	5	1	24	22.48
64QAM	706.5	23755	5	12	0	21.50
64QAM	706.5	23755	5	12	7	21.55
64QAM	706.5	23755	5	12	13	21.55
64QAM	706.5	23755	5	25	0	21.48
64QAM	710	23790	5	1	0	22.50
64QAM	710	23790	5	1	12	22.83
64QAM	710	23790	5	1	24	22.51
64QAM	710	23790	5	12	0	21.53
64QAM	710	23790	5	12	7	21.54
64QAM	710	23790	5	12	13	21.49
64QAM	710	23790	5	25	0	21.39
64QAM	713.5	23825	5	1	0	22.77
64QAM	713.5	23825	5	1	12	22.60
64QAM	713.5	23825	5	1	24	22.57
64QAM	713.5	23825	5	12	0	21.45
64QAM	713.5	23825	5	12	7	21.64
64QAM	713.5	23825	5	12	13	21.55
64QAM	713.5	23825	5	25	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.52
QPSK	709	23780	10	1	25	23.61
QPSK	709	23780	10	1	49	23.50
QPSK	709	23780	10	25	0	22.47
QPSK	709	23780	10	25	12	22.59
QPSK	709	23780	10	25	25	22.49
QPSK	709	23780	10	50	0	22.60
QPSK	710	23790	10	1	0	23.50
QPSK	710	23790	10	1	25	23.56
QPSK	710	23790	10	1	49	23.28
QPSK	710	23790	10	25	0	22.46
QPSK	710	23790	10	25	12	22.49
QPSK	710	23790	10	25	25	22.45
QPSK	710	23790	10	50	0	22.40
QPSK	711	23800	10	1	0	23.49
QPSK	711	23800	10	1	25	23.59
QPSK	711	23800	10	1	49	23.34
QPSK	711	23800	10	25	0	22.52

QPSK	711	23800	10	25	12	22.50
QPSK	711	23800	10	25	25	22.46
QPSK	711	23800	10	50	0	22.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.76
16QAM	709	23780	10	1	25	22.88
16QAM	709	23780	10	1	49	22.60
16QAM	709	23780	10	25	0	21.45
16QAM	709	23780	10	25	12	21.59
16QAM	709	23780	10	25	25	21.63
16QAM	709	23780	10	50	0	21.58
16QAM	710	23790	10	1	0	23.32
16QAM	710	23790	10	1	25	22.89
16QAM	710	23790	10	1	49	22.67
16QAM	710	23790	10	25	0	21.41
16QAM	710	23790	10	25	12	21.49
16QAM	710	23790	10	25	25	21.51
16QAM	710	23790	10	50	0	21.49
16QAM	711	23800	10	1	0	23.10
16QAM	711	23800	10	1	25	22.45
16QAM	711	23800	10	1	49	23.04
16QAM	711	23800	10	25	0	21.53
16QAM	711	23800	10	25	12	21.57
16QAM	711	23800	10	25	25	21.40
16QAM	711	23800	10	50	0	21.48
64QAM	709	23780	10	1	0	22.64
64QAM	709	23780	10	1	25	22.38
64QAM	709	23780	10	1	49	22.44
64QAM	709	23780	10	25	0	21.50
64QAM	709	23780	10	25	12	21.47
64QAM	709	23780	10	25	25	21.46
64QAM	709	23780	10	50	0	21.46
64QAM	710	23790	10	1	0	22.50
64QAM	710	23790	10	1	25	22.75
64QAM	710	23790	10	1	49	22.46
64QAM	710	23790	10	25	0	21.59
64QAM	710	23790	10	25	12	21.49
64QAM	710	23790	10	25	25	21.44
64QAM	710	23790	10	50	0	21.40
64QAM	711	23800	10	1	0	22.59
64QAM	711	23800	10	1	25	22.66
64QAM	711	23800	10	1	49	22.57
64QAM	711	23800	10	25	0	21.59
64QAM	711	23800	10	25	12	21.50

64QAM	711	23800	10	25	25	21.52
64QAM	711	23800	10	50	0	21.39

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	4.461	Fig.1
17	QPSK	710	23790	5	25	0	4.450	Fig.2
17	QPSK	713.5	23825	5	25	0	4.463	Fig.3
17	QPSK	709	23780	10	50	0	8.895	Fig.4
17	QPSK	710	23790	10	50	0	8.875	Fig.5
17	QPSK	711	23800	10	50	0	8.908	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	4.458	Fig.7
17	16QAM	710	23790	5	25	0	4.469	Fig.8
17	16QAM	713.5	23825	5	25	0	4.435	Fig.9
17	16QAM	709	23780	10	50	0	8.869	Fig.10
17	16QAM	710	23790	10	50	0	8.892	Fig.11
17	16QAM	711	23800	10	50	0	8.896	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	4.463	Fig.13
17	64QAM	710	23790	5	25	0	4.464	Fig.14
17	64QAM	713.5	23825	5	25	0	4.448	Fig.15
17	64QAM	709	23780	10	50	0	8.890	Fig.16
17	64QAM	710	23790	10	50	0	8.875	Fig.17
17	64QAM	711	23800	10	50	0	8.883	Fig.18

Test Mode: QPSK

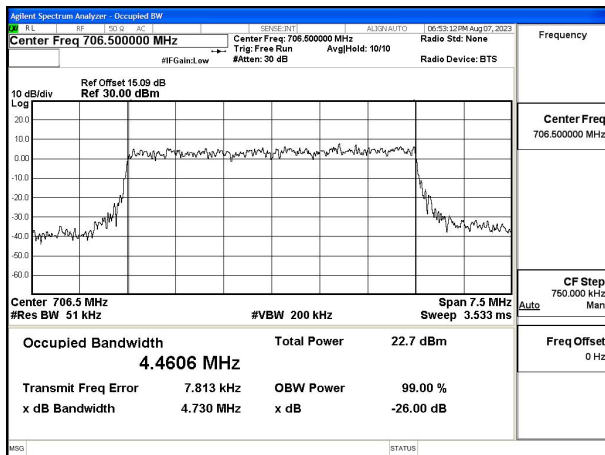


Fig.1

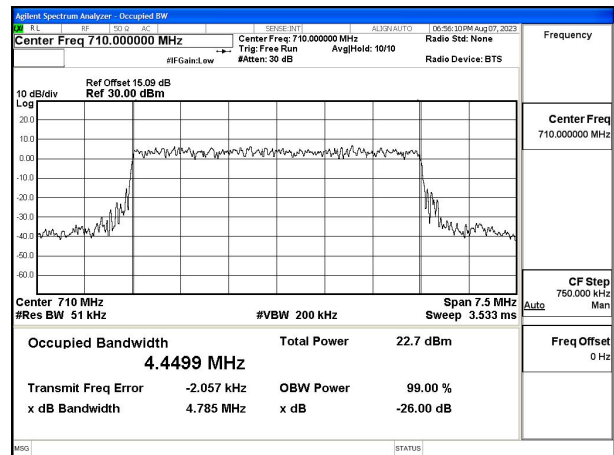


Fig.2

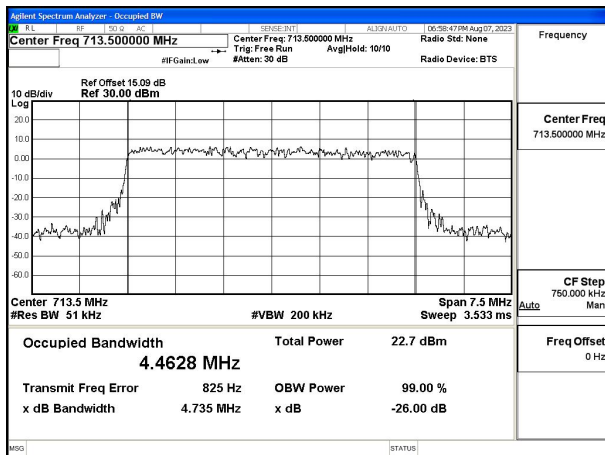


Fig.3

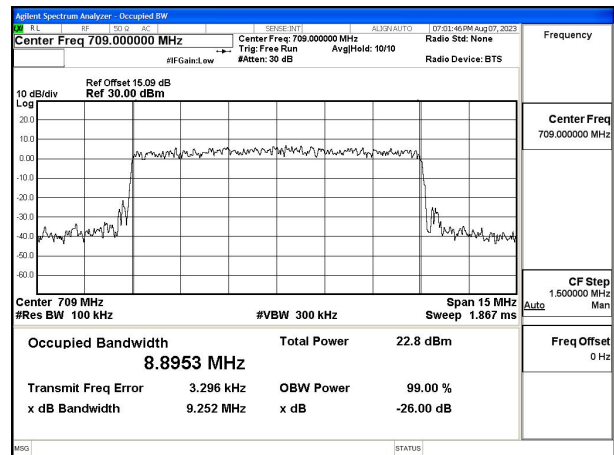


Fig.4

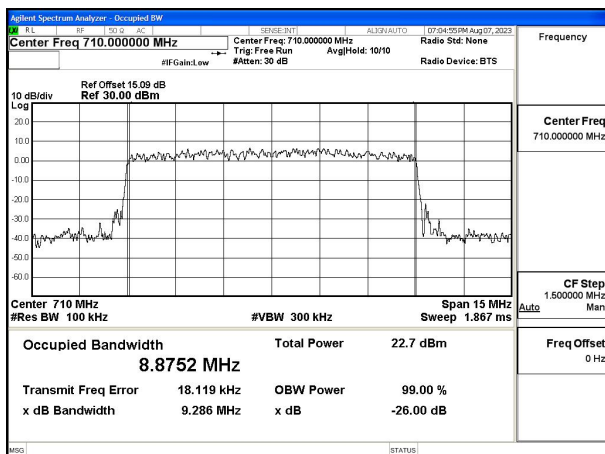


Fig.5

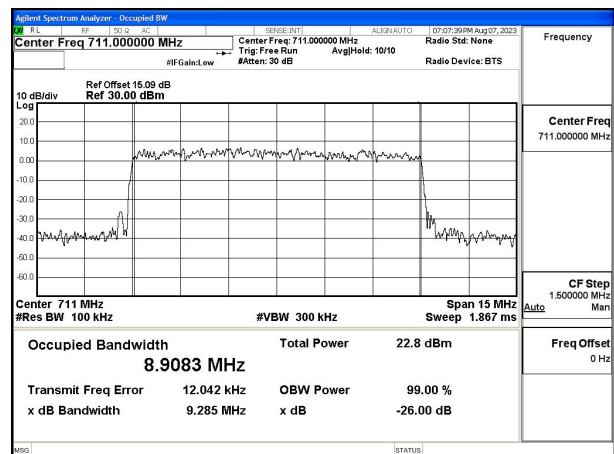


Fig.6

Test Mode: 16QAM

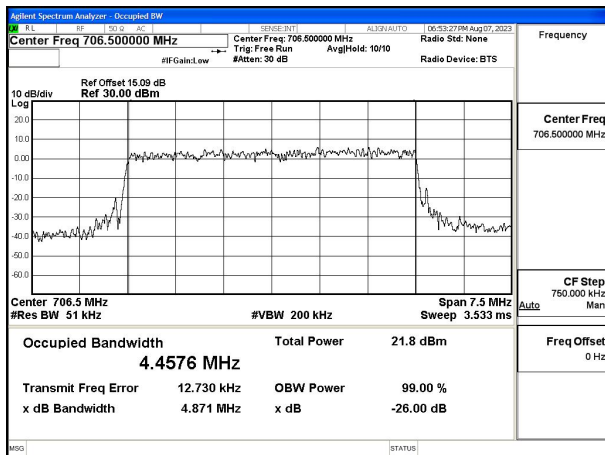


Fig.7

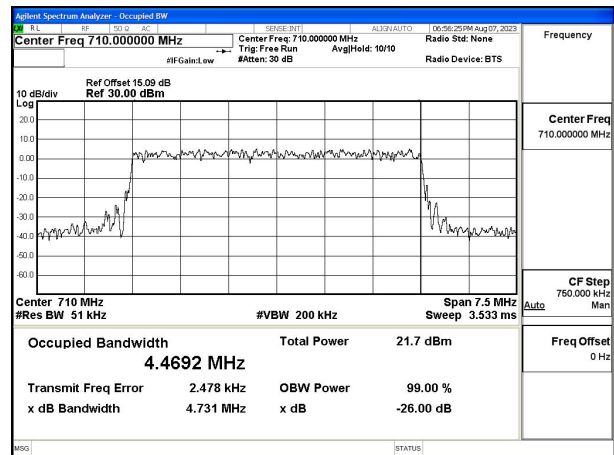


Fig.8

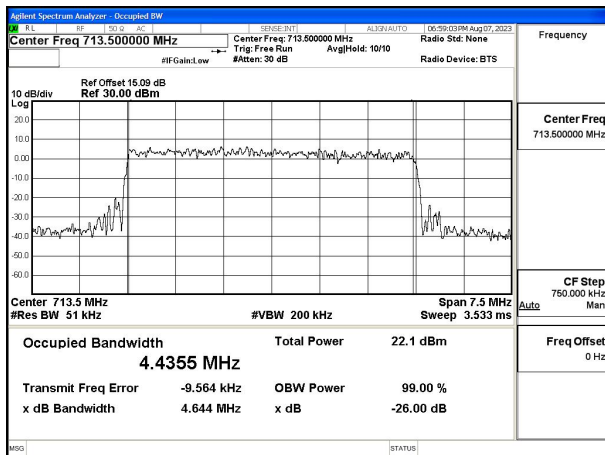


Fig.9

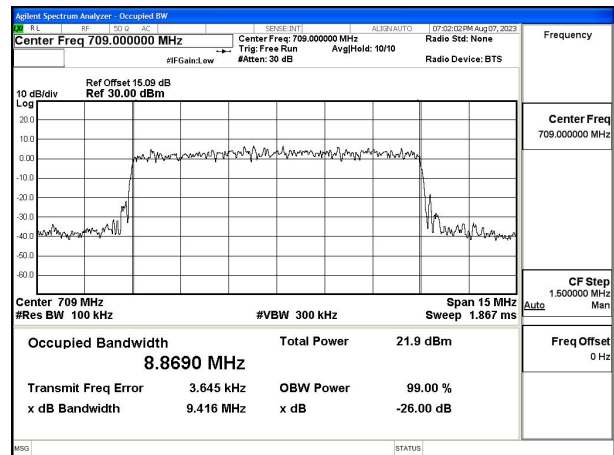


Fig.10

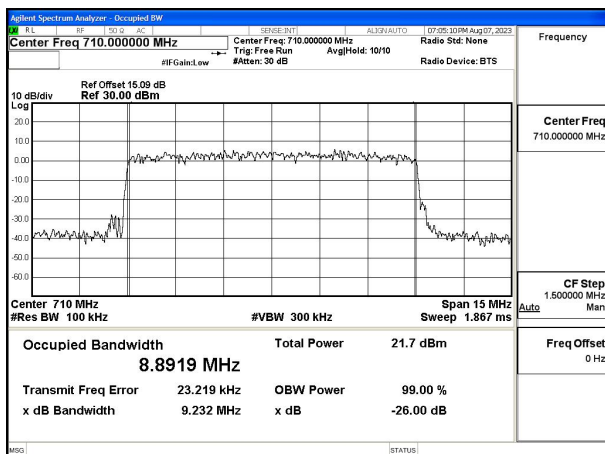


Fig.11

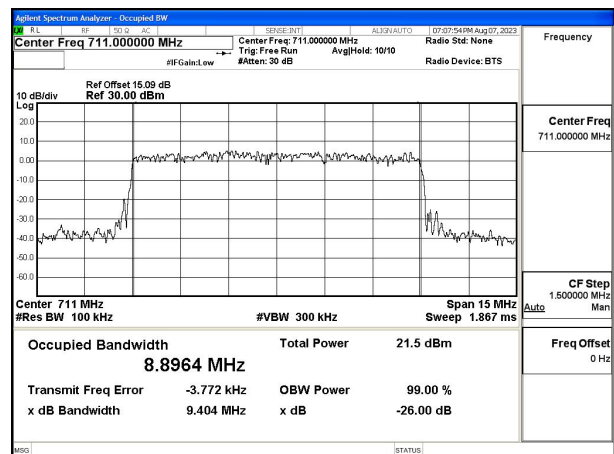


Fig.12

Test Mode: 64QAM

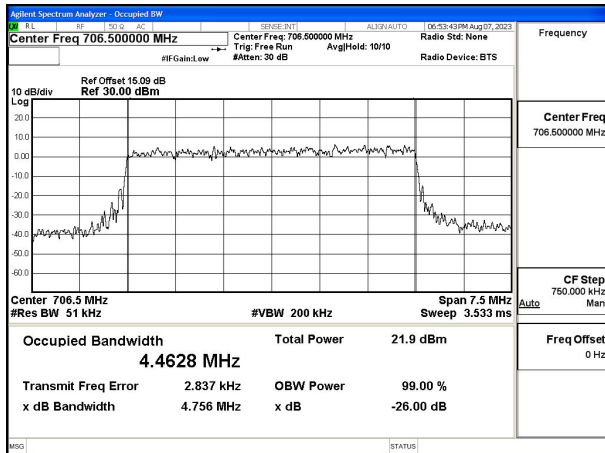


Fig.13

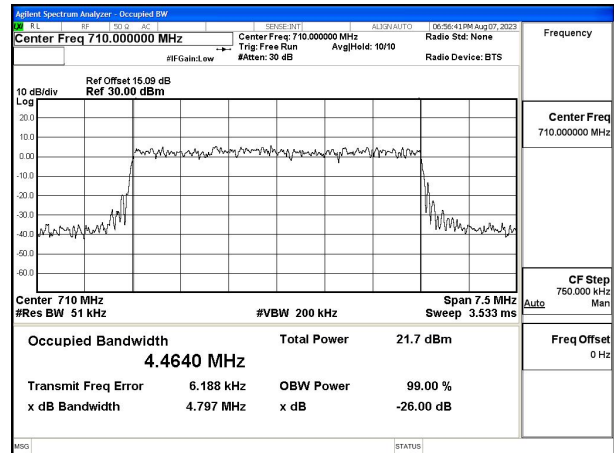


Fig.14

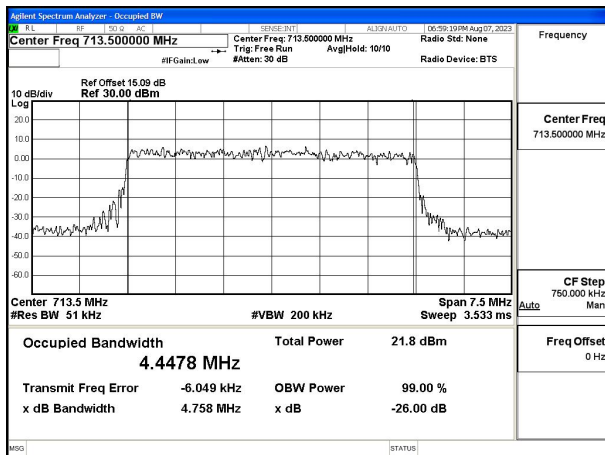


Fig.15

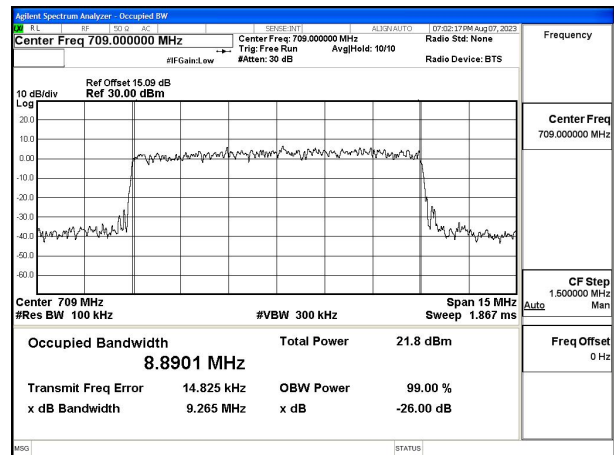


Fig.16

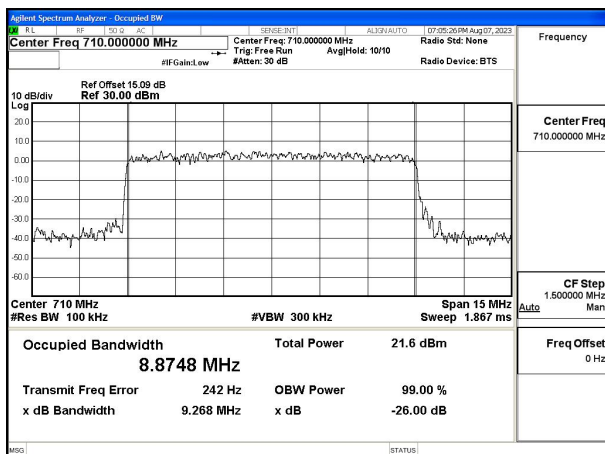


Fig.17

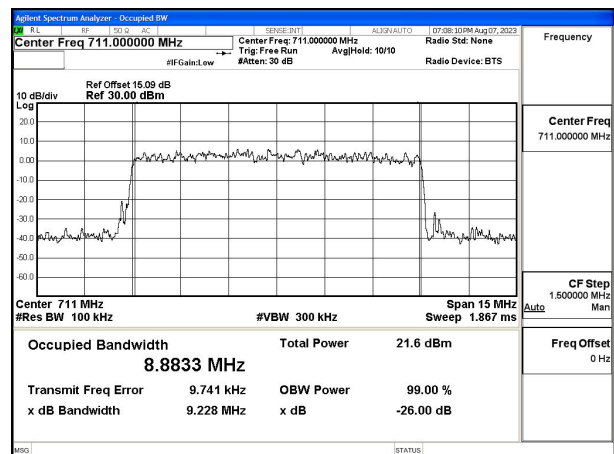


Fig.18

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	4.730	Fig.1
17	QPSK	710	23790	5	25	0	4.785	Fig.2
17	QPSK	713.5	23825	5	25	0	4.735	Fig.3
17	QPSK	709	23780	10	50	0	9.252	Fig.4
17	QPSK	710	23790	10	50	0	9.286	Fig.5
17	QPSK	711	23800	10	50	0	9.285	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	4.871	Fig.7
17	16QAM	710	23790	5	25	0	4.731	Fig.8
17	16QAM	713.5	23825	5	25	0	4.644	Fig.9
17	16QAM	709	23780	10	50	0	9.416	Fig.10
17	16QAM	710	23790	10	50	0	9.232	Fig.11
17	16QAM	711	23800	10	50	0	9.404	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	4.756	Fig.13
17	64QAM	710	23790	5	25	0	4.797	Fig.14
17	64QAM	713.5	23825	5	25	0	4.758	Fig.15
17	64QAM	709	23780	10	50	0	9.265	Fig.16
17	64QAM	710	23790	10	50	0	9.268	Fig.17
17	64QAM	711	23800	10	50	0	9.228	Fig.18

Test Mode: QPSK

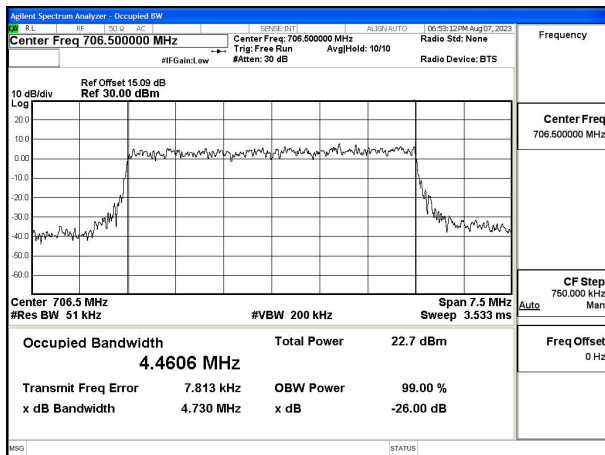


Fig.1

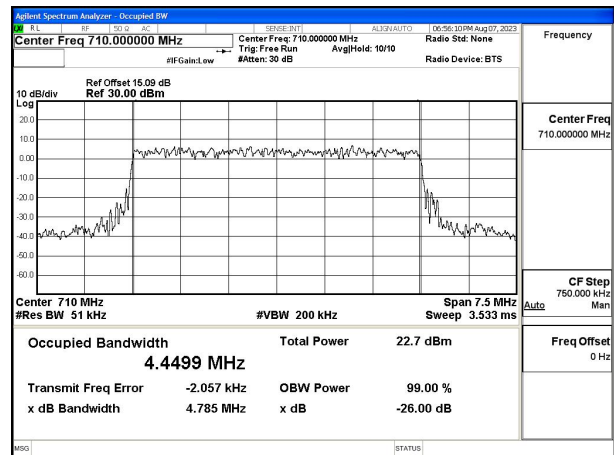


Fig.2

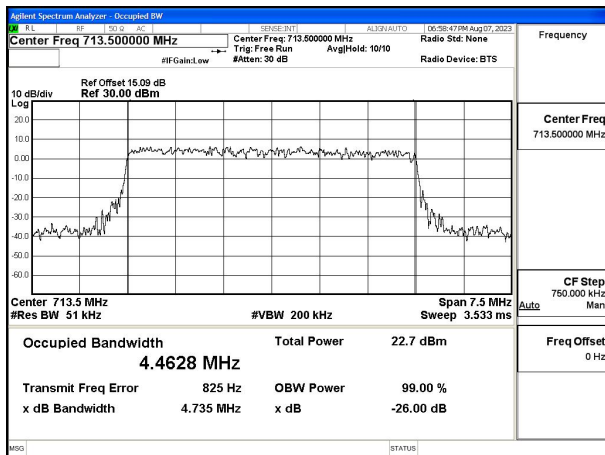


Fig.3

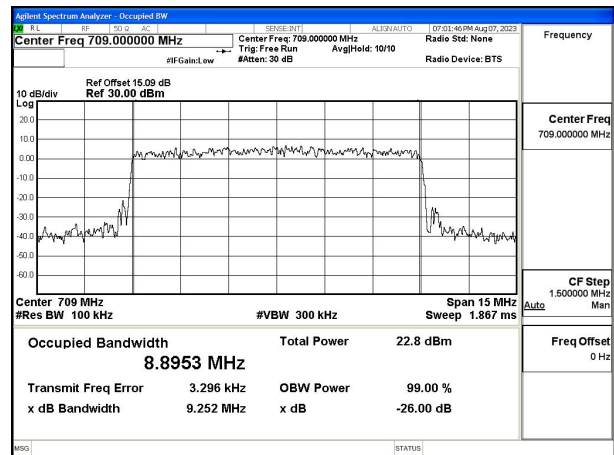


Fig.4

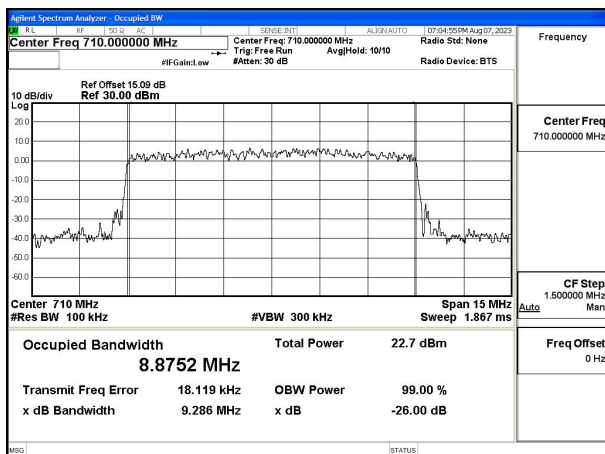


Fig.5

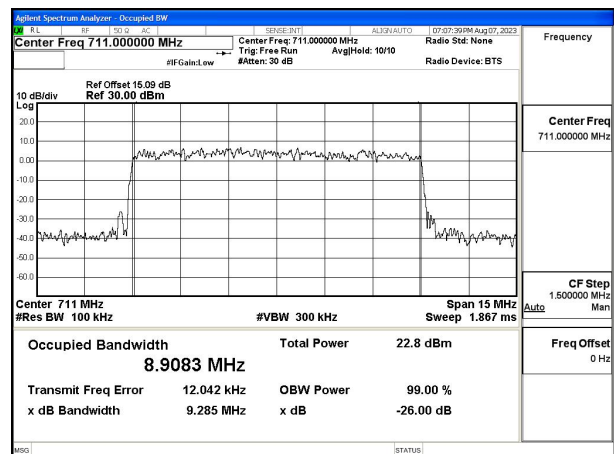


Fig.6

Test Mode: 16QAM

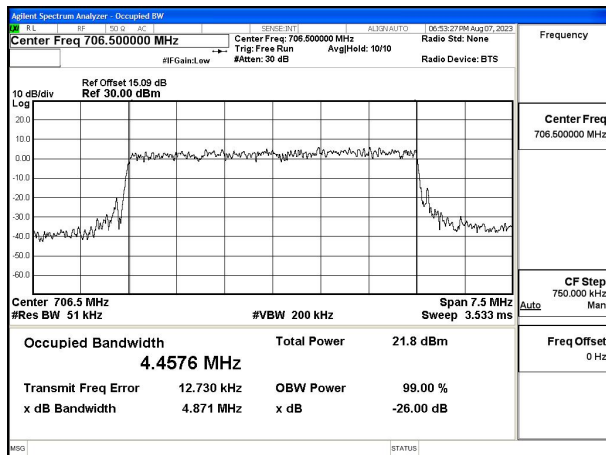


Fig.7

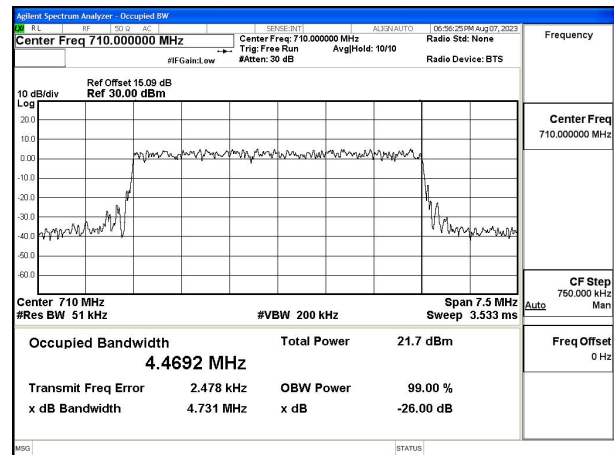


Fig.8

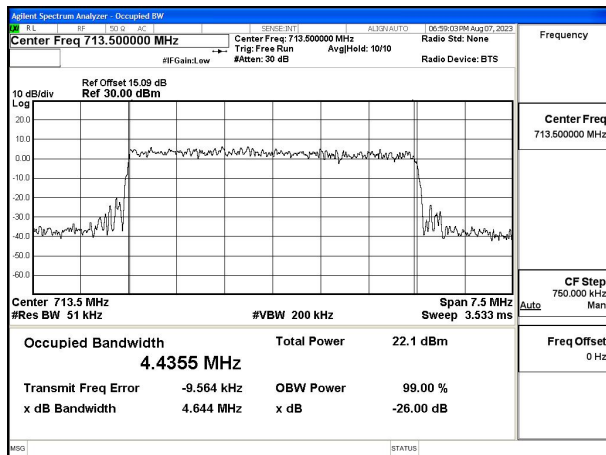


Fig.9

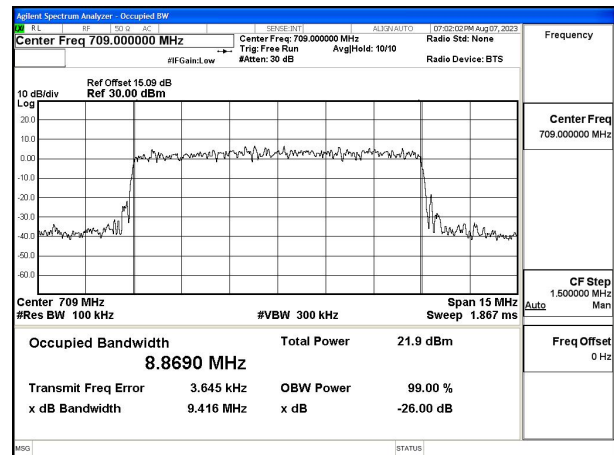


Fig.10

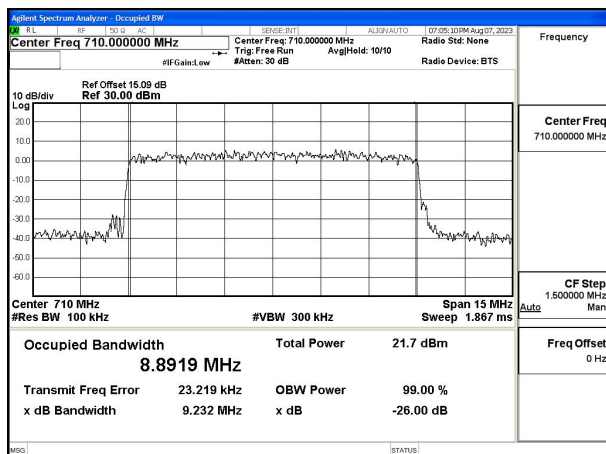


Fig.11

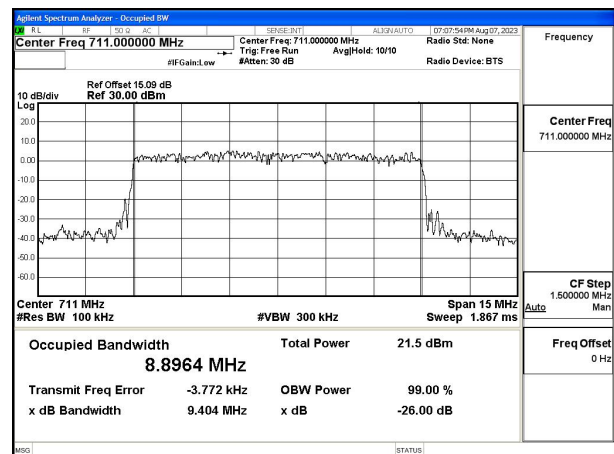


Fig.12

Test Mode: 64QAM

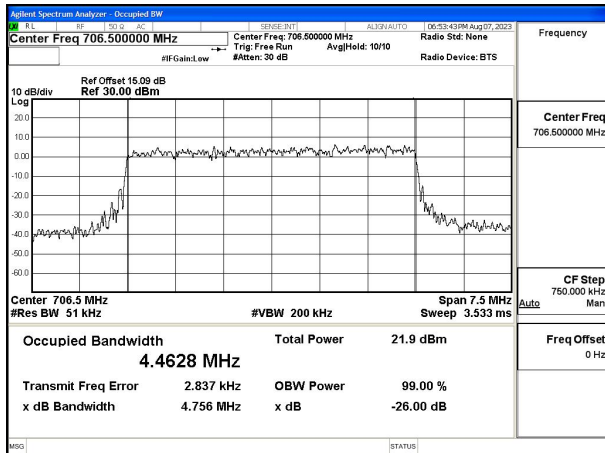


Fig.13

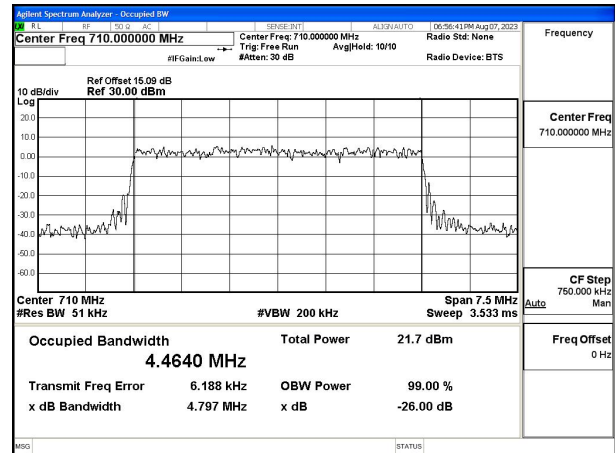


Fig.14

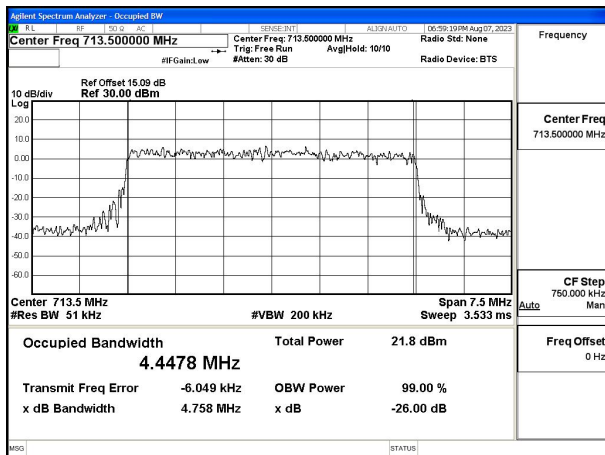


Fig.15

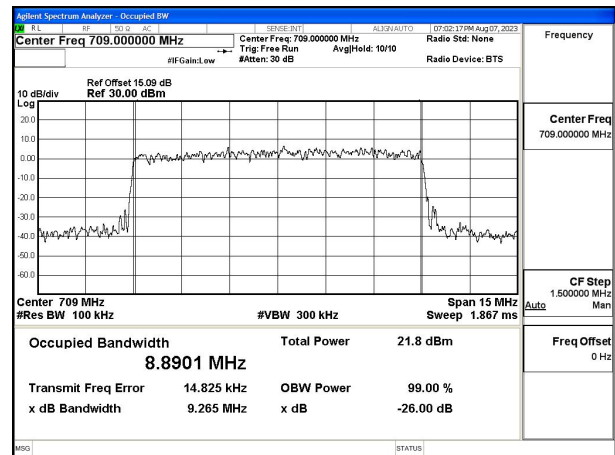


Fig.16

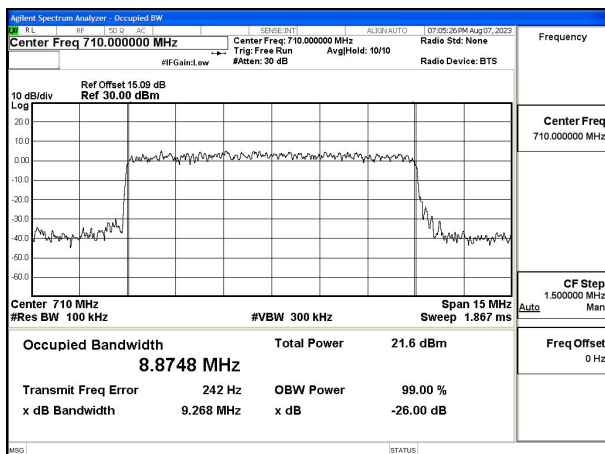


Fig.17

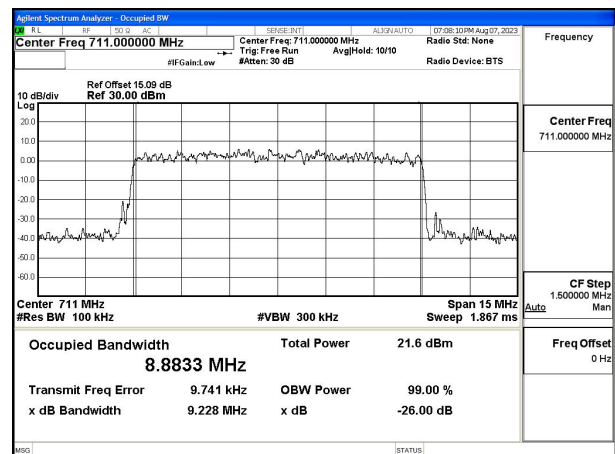


Fig.18

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

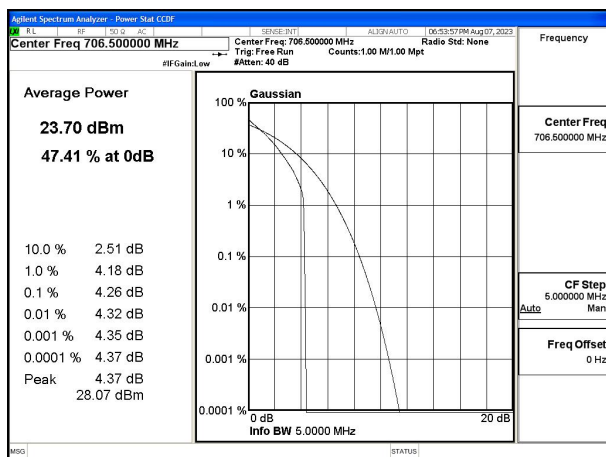


Fig.1

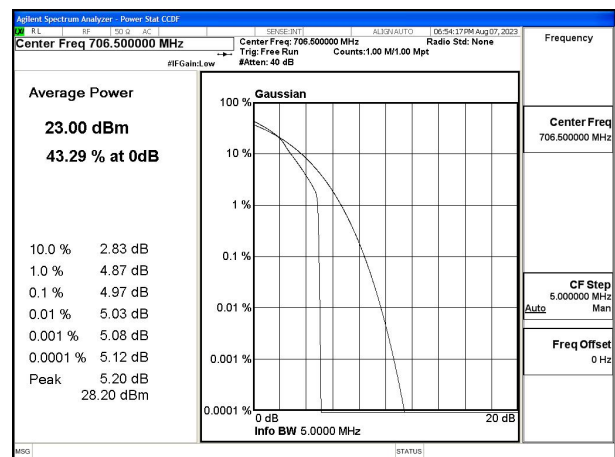


Fig.2

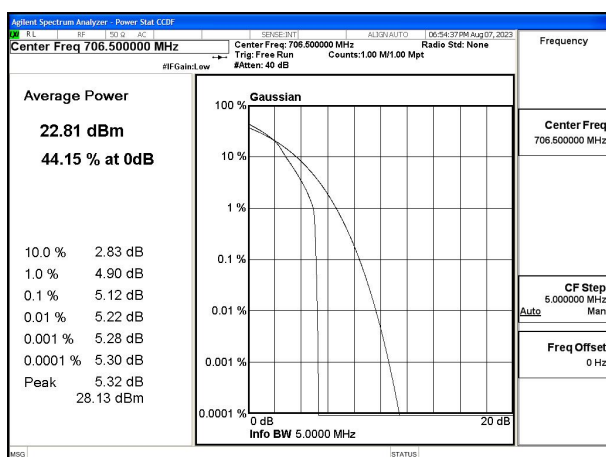


Fig.3

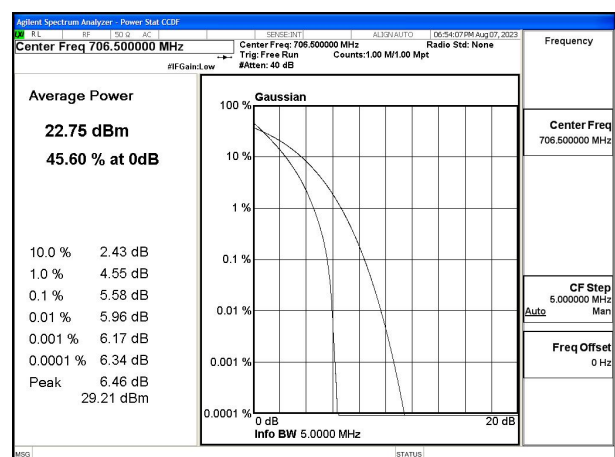


Fig.4