

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	23.64
QPSK	706.5	23755	5	1	12	23.63
QPSK	706.5	23755	5	1	24	23.60
QPSK	706.5	23755	5	12	0	22.52
QPSK	706.5	23755	5	12	7	22.65
QPSK	706.5	23755	5	12	13	22.49
QPSK	706.5	23755	5	25	0	22.64
QPSK	710	23790	5	1	0	23.68
QPSK	710	23790	5	1	12	23.89
QPSK	710	23790	5	1	24	23.68
QPSK	710	23790	5	12	0	22.87
QPSK	710	23790	5	12	7	22.67
QPSK	710	23790	5	12	13	22.72
QPSK	710	23790	5	25	0	22.66
QPSK	713.5	23825	5	1	0	23.89
QPSK	713.5	23825	5	1	12	23.80
QPSK	713.5	23825	5	1	24	23.96
QPSK	713.5	23825	5	12	0	22.68
QPSK	713.5	23825	5	12	7	22.68
QPSK	713.5	23825	5	12	13	22.70
QPSK	713.5	23825	5	25	0	22.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.71
16QAM	706.5	23755	5	1	12	23.13
16QAM	706.5	23755	5	1	24	23.56
16QAM	706.5	23755	5	12	0	21.77
16QAM	706.5	23755	5	12	7	21.79
16QAM	706.5	23755	5	12	13	21.78
16QAM	706.5	23755	5	25	0	21.65
16QAM	710	23790	5	1	0	23.33
16QAM	710	23790	5	1	12	23.14
16QAM	710	23790	5	1	24	22.97
16QAM	710	23790	5	12	0	21.70
16QAM	710	23790	5	12	7	21.85
16QAM	710	23790	5	12	13	22.09
16QAM	710	23790	5	25	0	21.76
16QAM	713.5	23825	5	1	0	23.03
16QAM	713.5	23825	5	1	12	22.48
16QAM	713.5	23825	5	1	24	22.53
16QAM	713.5	23825	5	12	0	21.89
16QAM	713.5	23825	5	12	7	22.04
16QAM	713.5	23825	5	12	13	22.01
16QAM	713.5	23825	5	25	0	22.30
64QAM	706.5	23755	5	1	0	22.05
64QAM	706.5	23755	5	1	12	21.89
64QAM	706.5	23755	5	1	24	21.78
64QAM	706.5	23755	5	12	0	20.23
64QAM	706.5	23755	5	12	7	20.24
64QAM	706.5	23755	5	12	13	20.10
64QAM	706.5	23755	5	25	0	19.98
64QAM	710	23790	5	1	0	21.38
64QAM	710	23790	5	1	12	21.82
64QAM	710	23790	5	1	24	22.12
64QAM	710	23790	5	12	0	20.36
64QAM	710	23790	5	12	7	20.22
64QAM	710	23790	5	12	13	20.48
64QAM	710	23790	5	25	0	20.17
64QAM	713.5	23825	5	1	0	22.32
64QAM	713.5	23825	5	1	12	21.79
64QAM	713.5	23825	5	1	24	21.83
64QAM	713.5	23825	5	12	0	20.62
64QAM	713.5	23825	5	12	7	20.72
64QAM	713.5	23825	5	12	13	20.48
64QAM	713.5	23825	5	25	0	20.60

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.89
QPSK	709	23780	10	1	25	23.93
QPSK	709	23780	10	1	49	23.81
QPSK	709	23780	10	25	0	22.71
QPSK	709	23780	10	25	12	22.54
QPSK	709	23780	10	25	25	22.65
QPSK	709	23780	10	50	0	22.78
QPSK	710	23790	10	1	0	23.90
QPSK	710	23790	10	1	25	24.07
QPSK	710	23790	10	1	49	23.77
QPSK	710	23790	10	25	0	22.66
QPSK	710	23790	10	25	12	22.71
QPSK	710	23790	10	25	25	22.55
QPSK	710	23790	10	50	0	22.71
QPSK	711	23800	10	1	0	23.74
QPSK	711	23800	10	1	25	23.64
QPSK	711	23800	10	1	49	23.53
QPSK	711	23800	10	25	0	22.84
QPSK	711	23800	10	25	12	22.53
QPSK	711	23800	10	25	25	22.74
QPSK	711	23800	10	50	0	22.84

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.42
16QAM	709	23780	10	1	25	22.59
16QAM	709	23780	10	1	49	22.37
16QAM	709	23780	10	25	0	22.00
16QAM	709	23780	10	25	12	21.84
16QAM	709	23780	10	25	25	22.41
16QAM	709	23780	10	50	0	21.79
16QAM	710	23790	10	1	0	22.75
16QAM	710	23790	10	1	25	22.66
16QAM	710	23790	10	1	49	22.44
16QAM	710	23790	10	25	0	21.89
16QAM	710	23790	10	25	12	22.03
16QAM	710	23790	10	25	25	22.06
16QAM	710	23790	10	50	0	21.75
16QAM	711	23800	10	1	0	23.21
16QAM	711	23800	10	1	25	23.60
16QAM	711	23800	10	1	49	22.76
16QAM	711	23800	10	25	0	21.88
16QAM	711	23800	10	25	12	21.67
16QAM	711	23800	10	25	25	21.96
16QAM	711	23800	10	50	0	21.88
64QAM	709	23780	10	1	0	22.21
64QAM	709	23780	10	1	25	22.28
64QAM	709	23780	10	1	49	22.21
64QAM	709	23780	10	25	0	20.32
64QAM	709	23780	10	25	12	20.11
64QAM	709	23780	10	25	25	20.55
64QAM	709	23780	10	50	0	20.35
64QAM	710	23790	10	1	0	21.79
64QAM	710	23790	10	1	25	21.83
64QAM	710	23790	10	1	49	22.72
64QAM	710	23790	10	25	0	19.61
64QAM	710	23790	10	25	12	20.14
64QAM	710	23790	10	25	25	20.53
64QAM	710	23790	10	50	0	20.26
64QAM	711	23800	10	1	0	21.57
64QAM	711	23800	10	1	25	21.25
64QAM	711	23800	10	1	49	21.39
64QAM	711	23800	10	25	0	20.31
64QAM	711	23800	10	25	12	20.30
64QAM	711	23800	10	25	25	20.42
64QAM	711	23800	10	50	0	20.36

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	4.451	Fig.1
17	QPSK	710	23790	5	25	0	4.461	Fig.2
17	QPSK	713.5	23825	5	25	0	4.470	Fig.3
17	QPSK	709	23780	10	50	0	8.919	Fig.4
17	QPSK	710	23790	10	50	0	8.910	Fig.5
17	QPSK	711	23800	10	50	0	8.903	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	4.451	Fig.7
17	16QAM	710	23790	5	25	0	4.438	Fig.8
17	16QAM	713.5	23825	5	25	0	4.438	Fig.9
17	16QAM	709	23780	10	50	0	8.901	Fig.10
17	16QAM	710	23790	10	50	0	8.908	Fig.11
17	16QAM	711	23800	10	50	0	8.909	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	4.447	Fig.13
17	64QAM	710	23790	5	25	0	4.453	Fig.14
17	64QAM	713.5	23825	5	25	0	4.452	Fig.15
17	64QAM	709	23780	10	50	0	8.910	Fig.16
17	64QAM	710	23790	10	50	0	8.929	Fig.17
17	64QAM	711	23800	10	50	0	8.911	Fig.18

Test Mode: QPSK

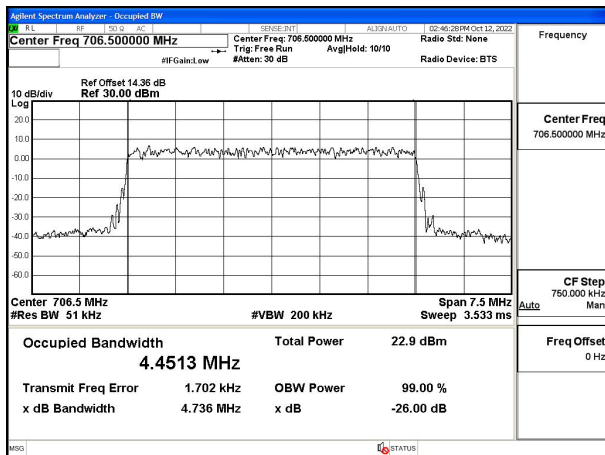


Fig.1

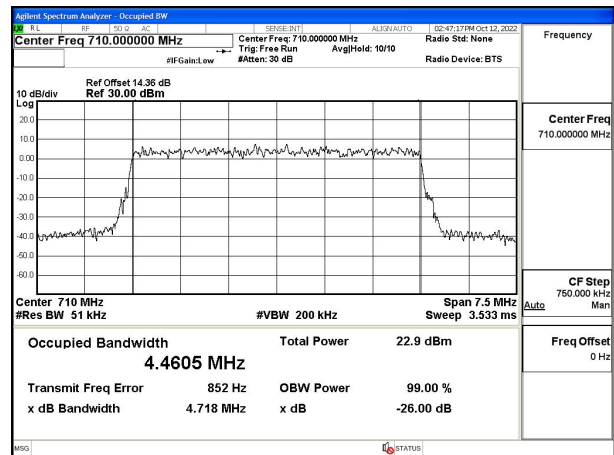


Fig.2

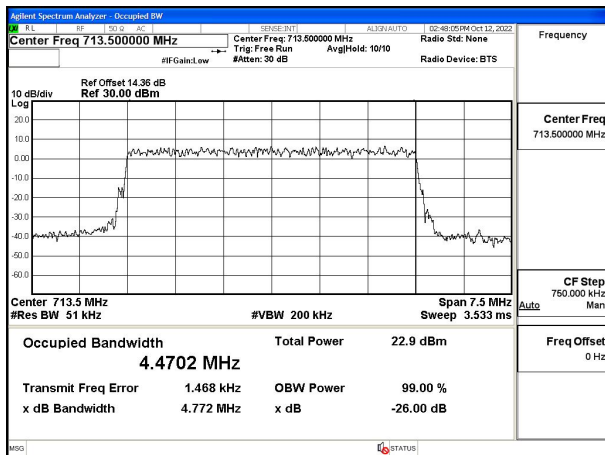


Fig.3

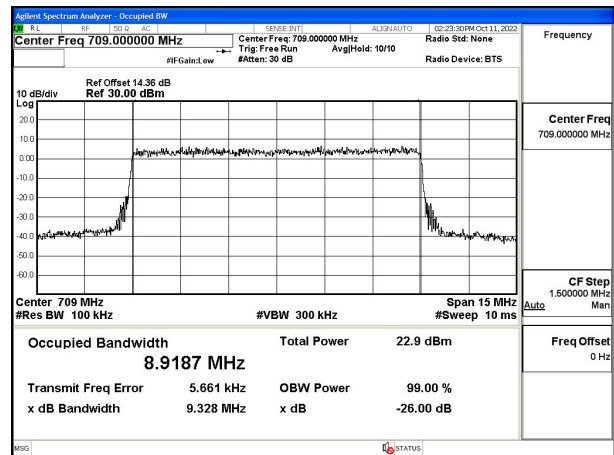


Fig.4

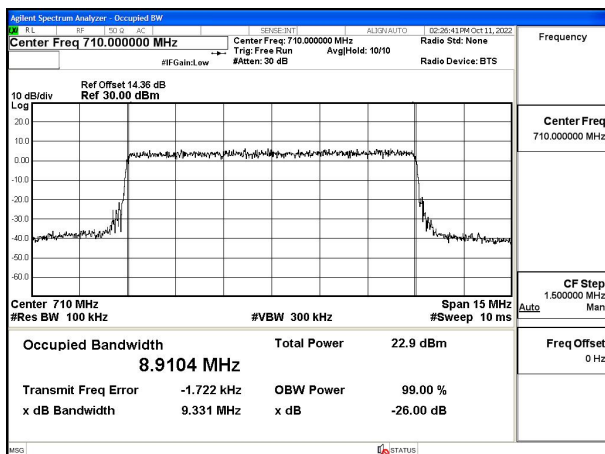


Fig.5

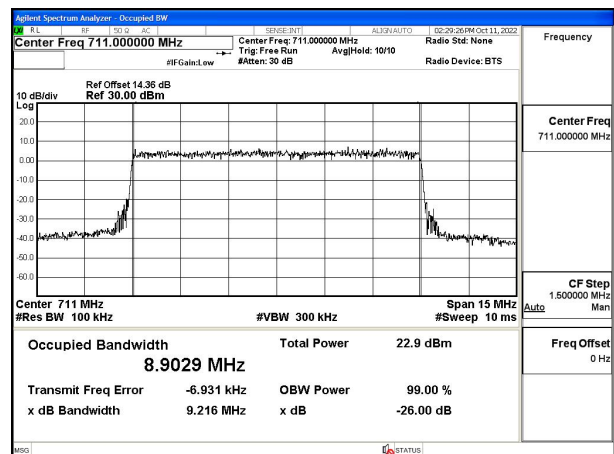


Fig.6

Test Mode: 16QAM

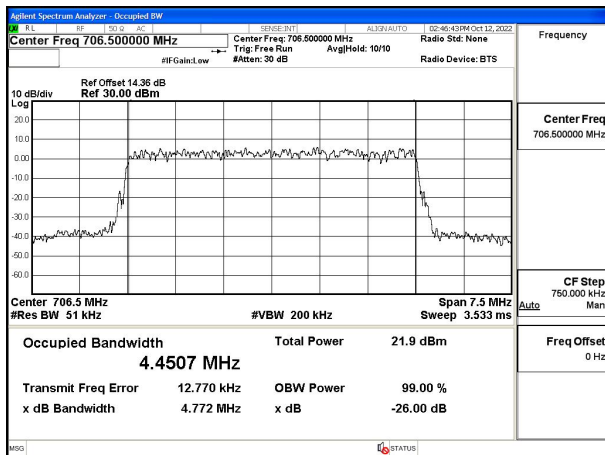


Fig.9

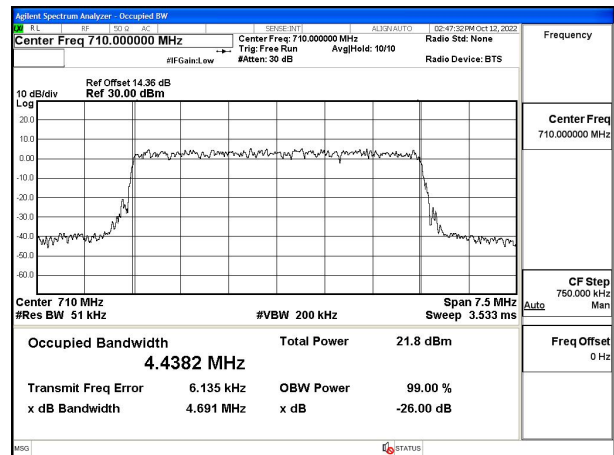


Fig.8

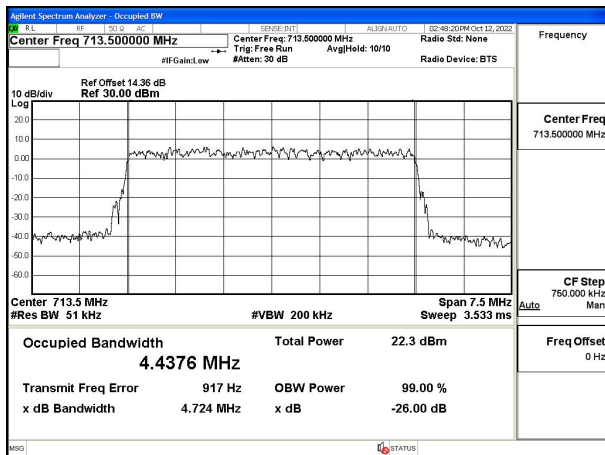


Fig.9

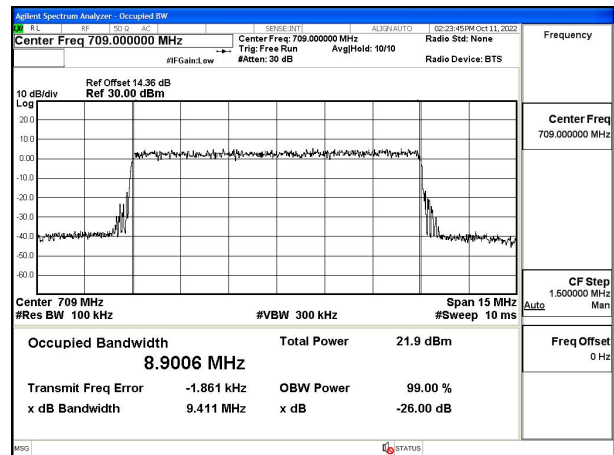


Fig.10

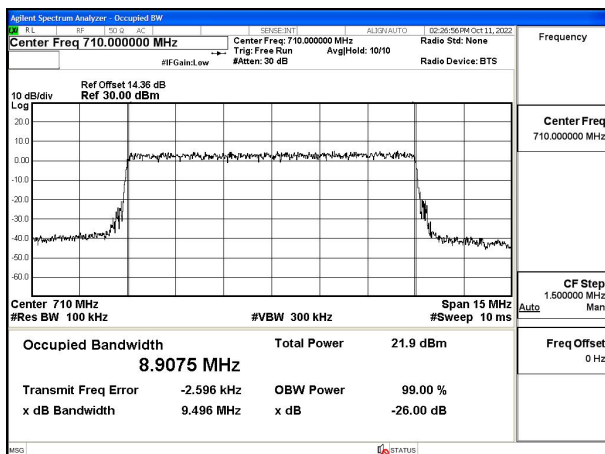


Fig.11

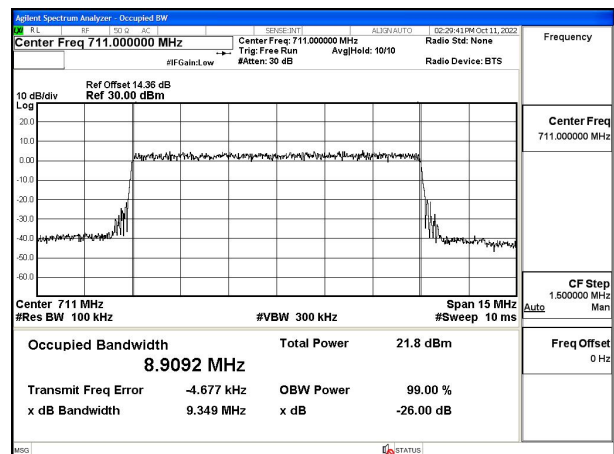


Fig.12

Test Mode: 64QAM

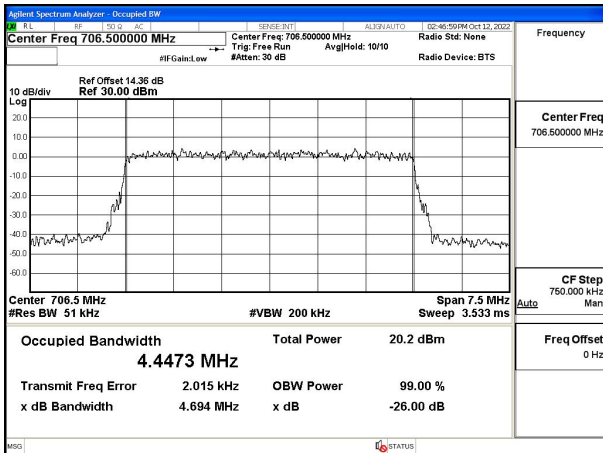


Fig.13

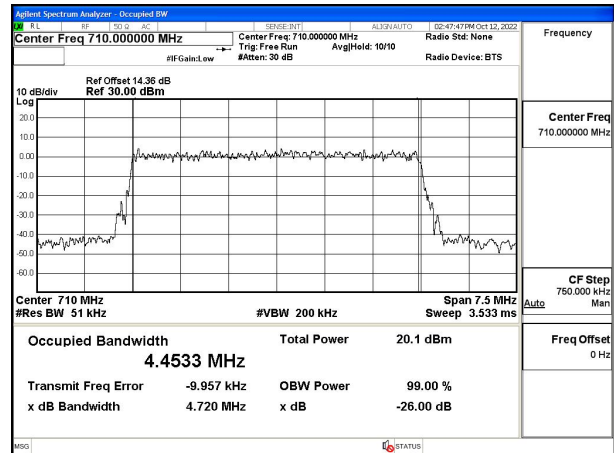


Fig.14

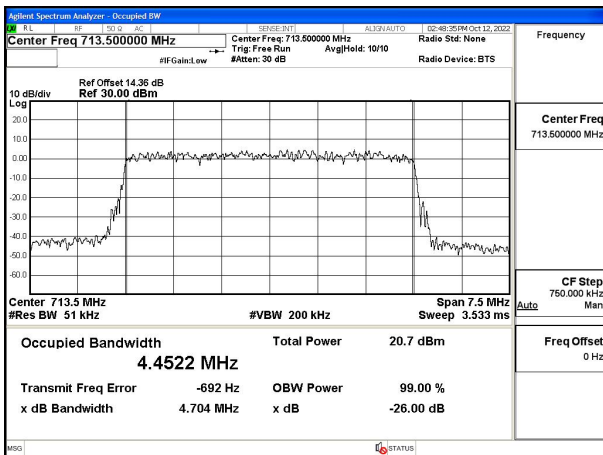


Fig.15

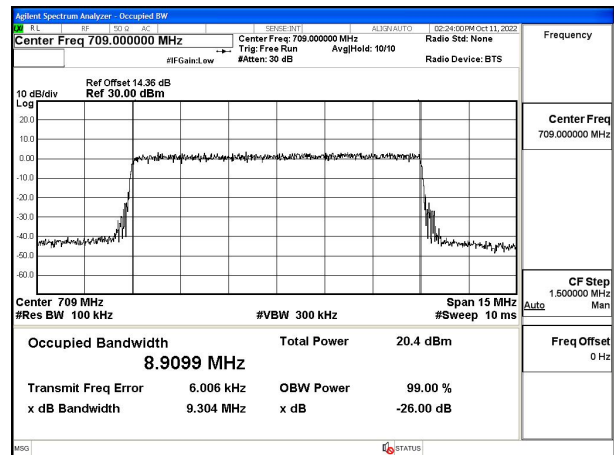


Fig.16

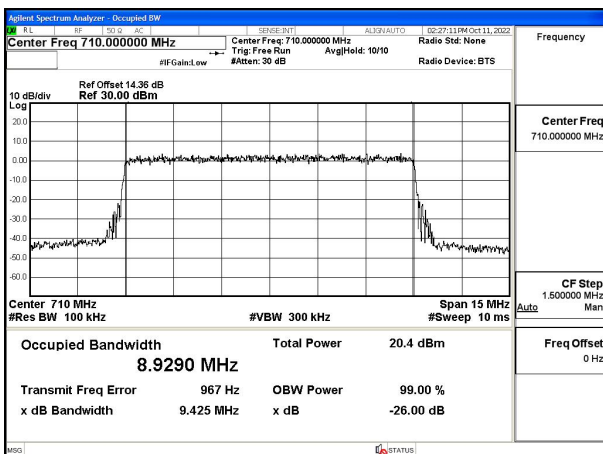


Fig.17

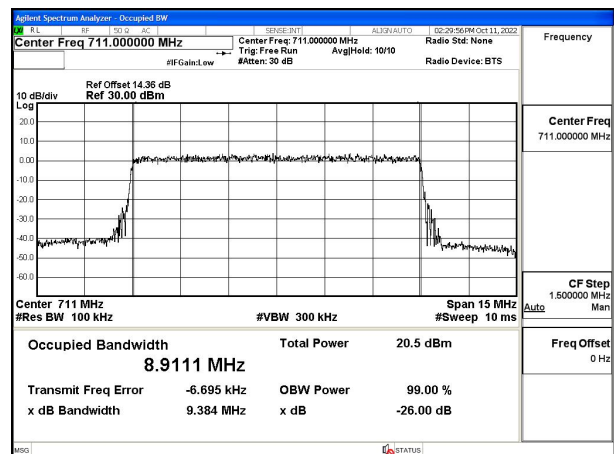


Fig.18

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	4.736	Fig.1
17	QPSK	710	23790	5	25	0	4.718	Fig.2
17	QPSK	713.5	23825	5	25	0	4.772	Fig.3
17	QPSK	709	23780	10	50	0	9.328	Fig.4
17	QPSK	710	23790	10	50	0	9.331	Fig.5
17	QPSK	711	23800	10	50	0	9.216	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	4.772	Fig.7
17	16QAM	710	23790	5	25	0	4.691	Fig.8
17	16QAM	713.5	23825	5	25	0	4.724	Fig.9
17	16QAM	709	23780	10	50	0	9.411	Fig.10
17	16QAM	710	23790	10	50	0	9.496	Fig.11
17	16QAM	711	23800	10	50	0	9.349	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	4.694	Fig.13
17	64QAM	710	23790	5	25	0	4.720	Fig.14
17	64QAM	713.5	23825	5	25	0	4.704	Fig.15
17	64QAM	709	23780	10	50	0	9.304	Fig.16
17	64QAM	710	23790	10	50	0	9.425	Fig.17
17	64QAM	711	23800	10	50	0	9.384	Fig.18

Test Mode: QPSK

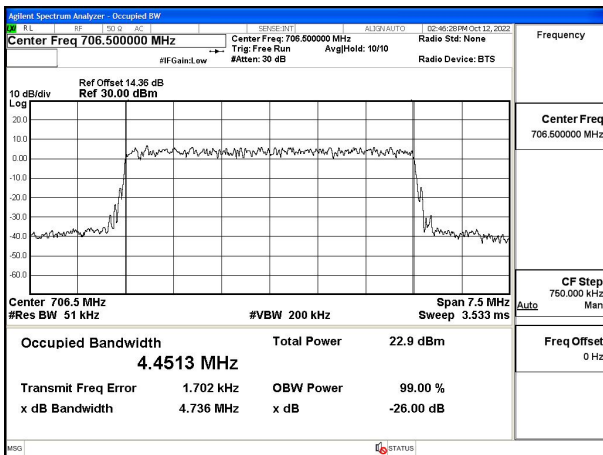


Fig.1

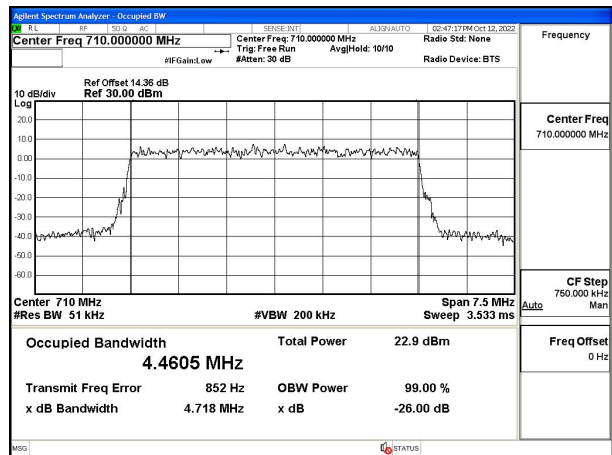


Fig.2

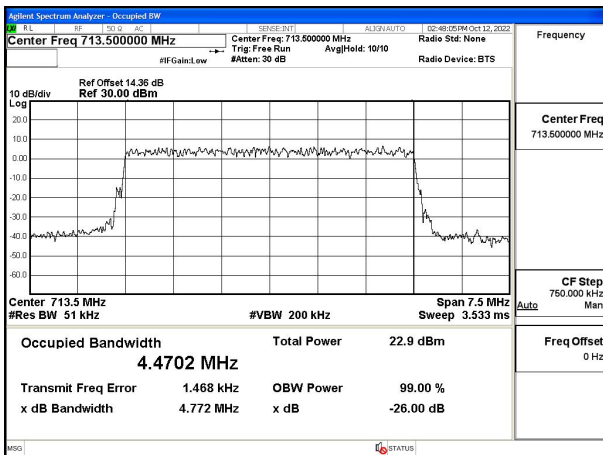


Fig.3

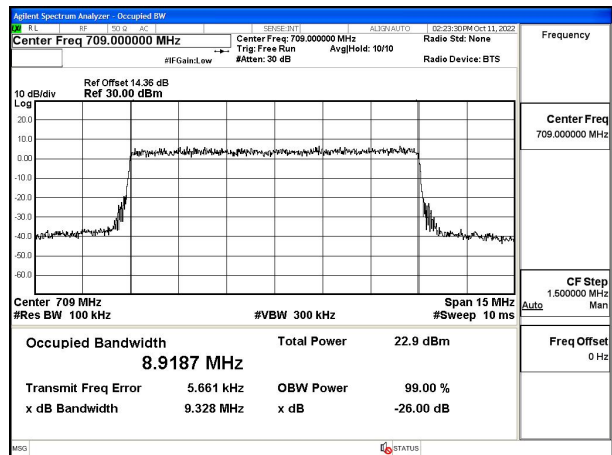


Fig.4

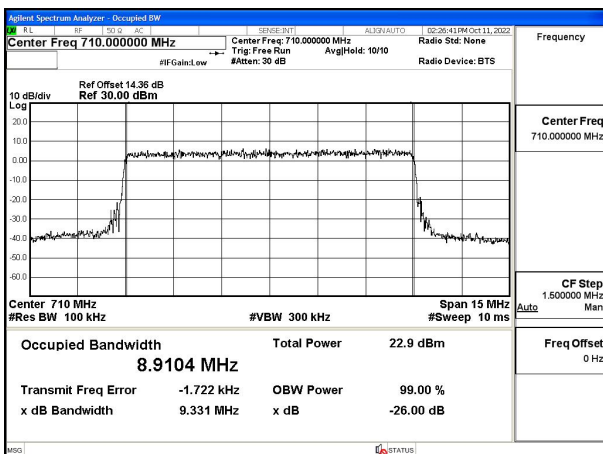


Fig.5

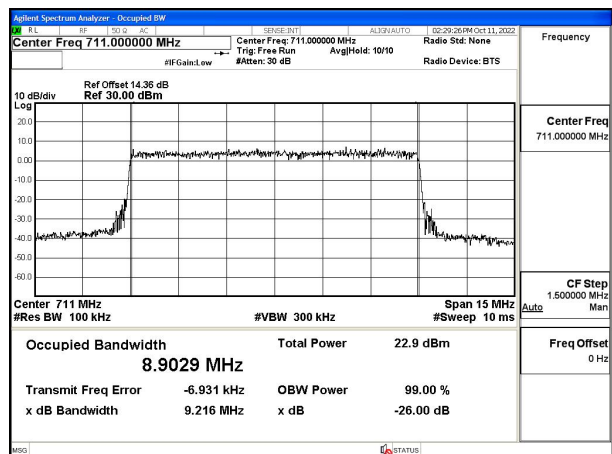


Fig.6

Test Mode: 16QAM

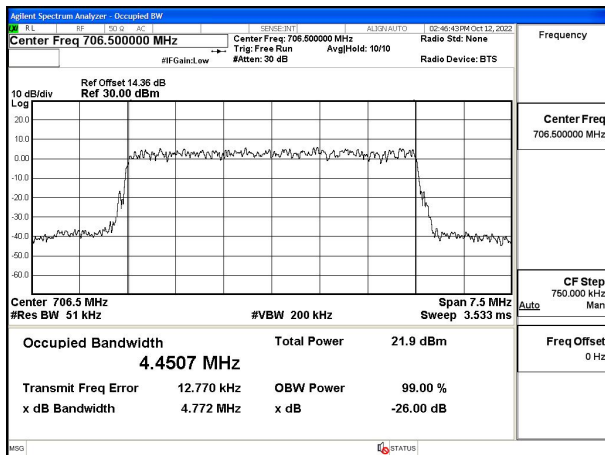


Fig.9

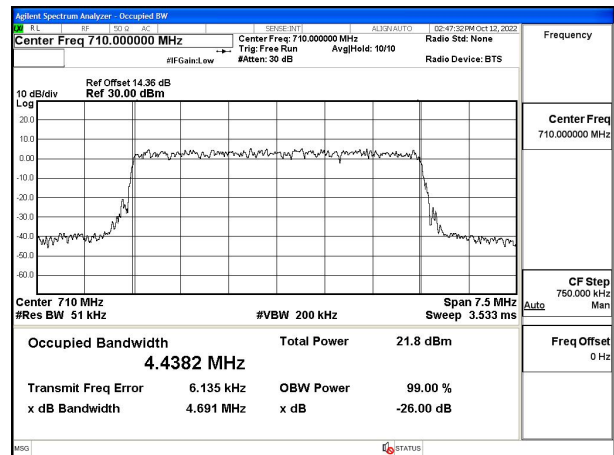


Fig.8

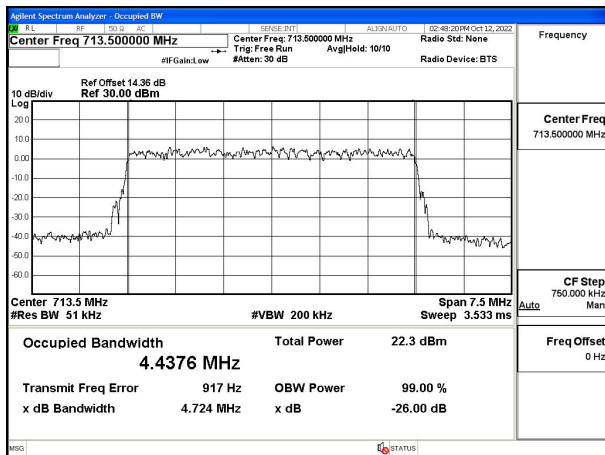


Fig.9

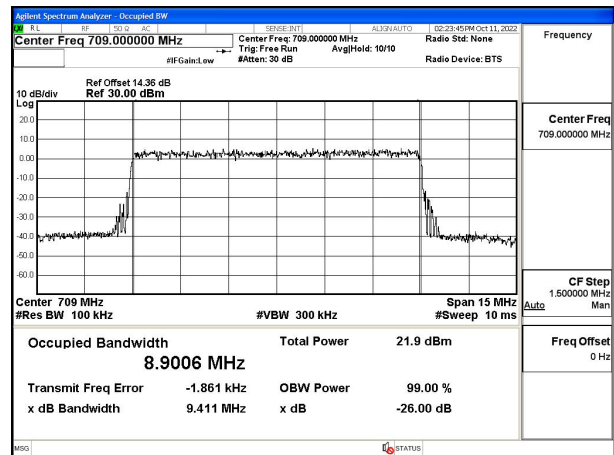


Fig.10

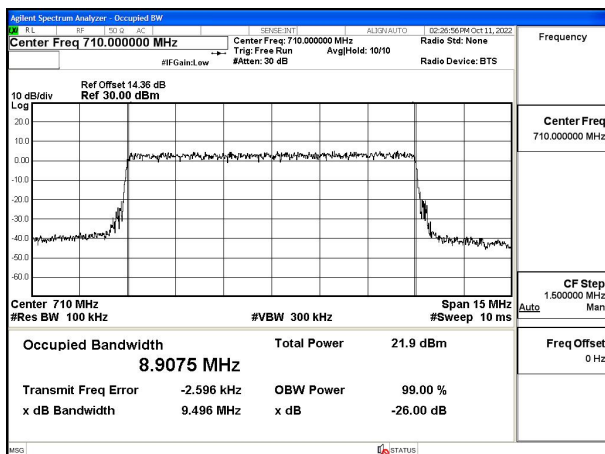


Fig.11

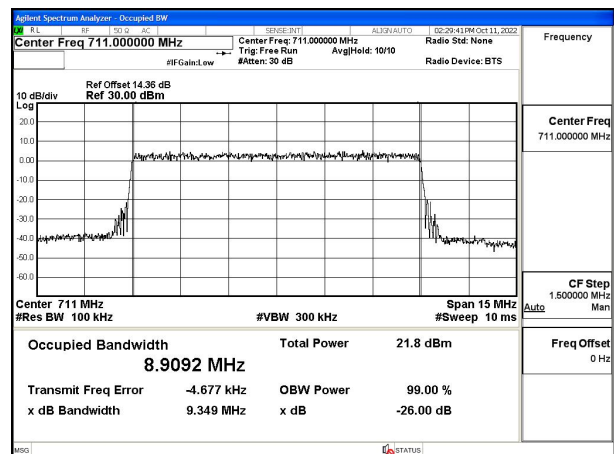


Fig.12

Test Mode: 64QAM

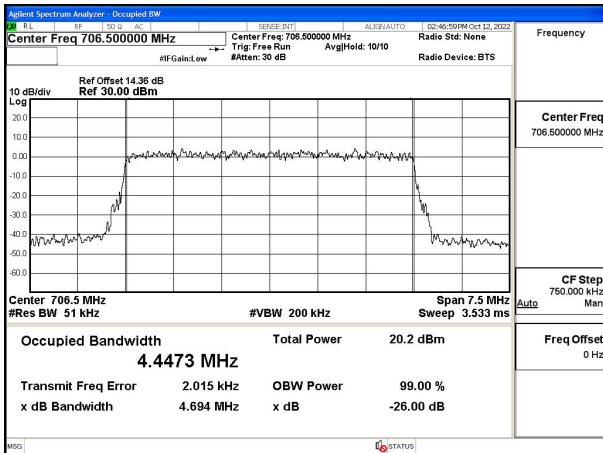


Fig.13

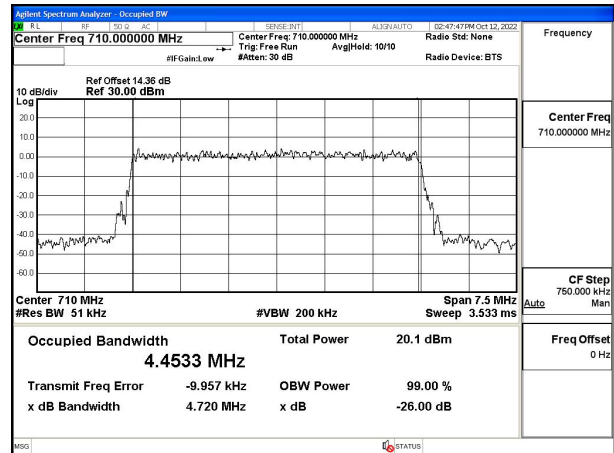


Fig.14

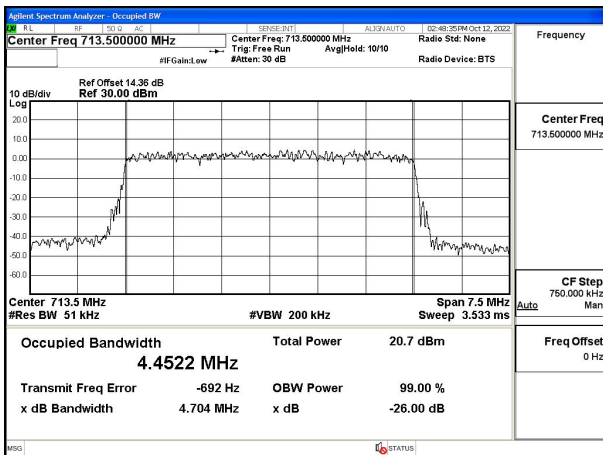


Fig.15

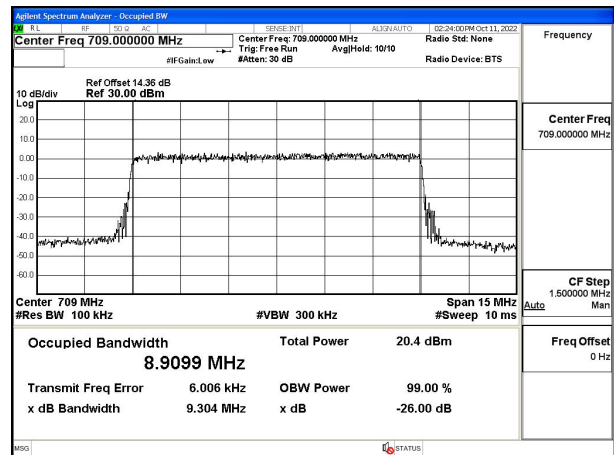


Fig.16

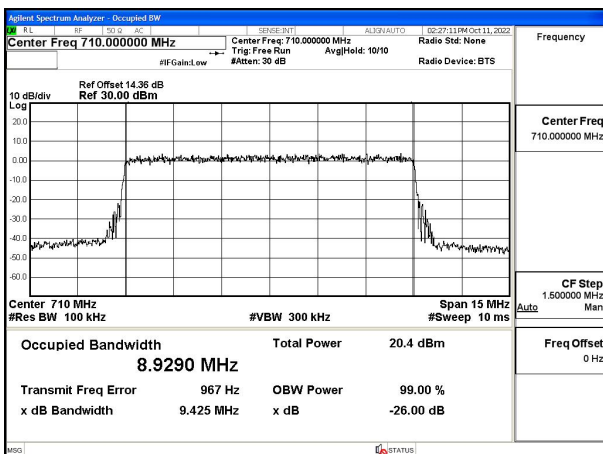


Fig.17

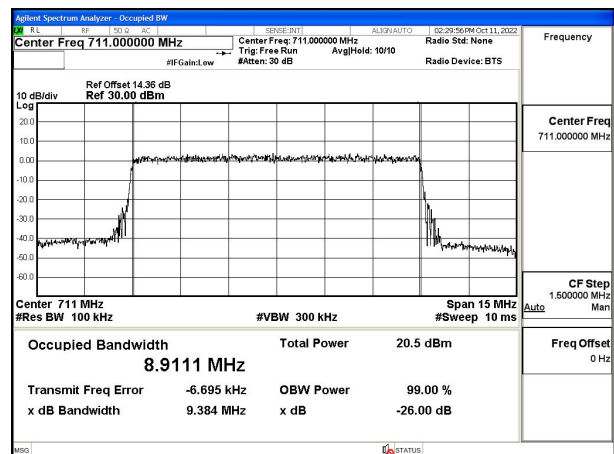


Fig.18

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

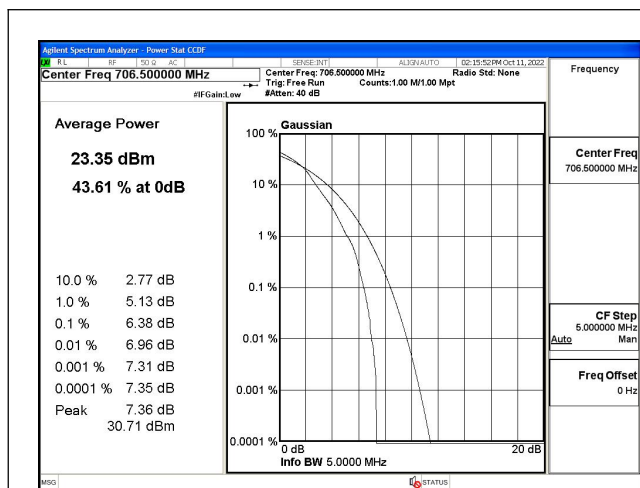


Fig.1

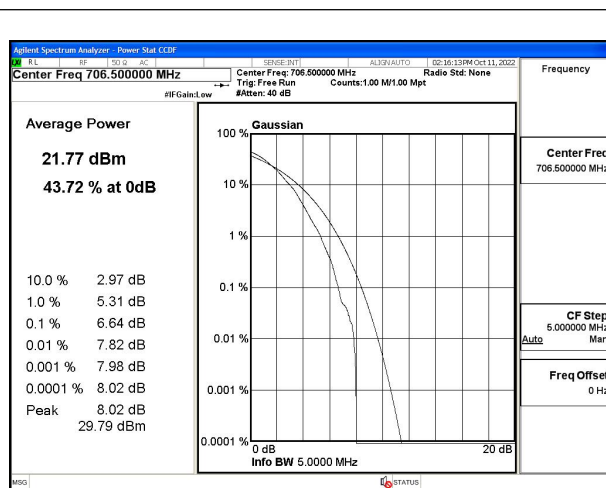


Fig.2

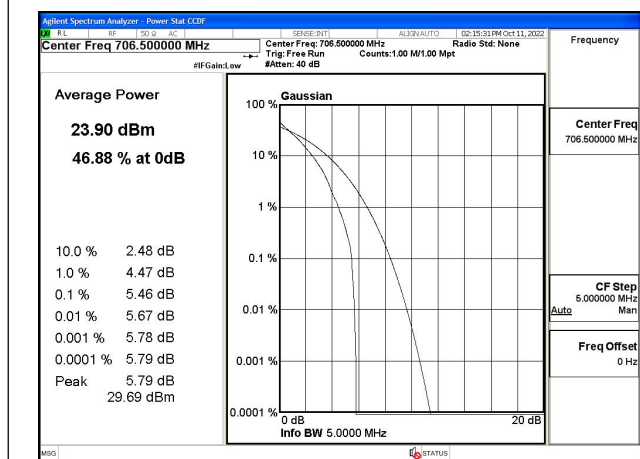


Fig.3

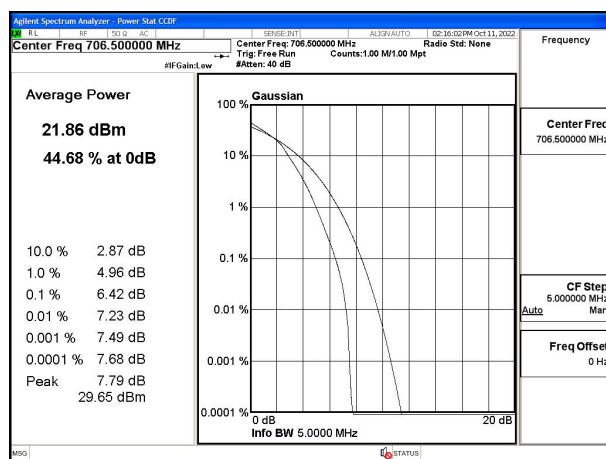


Fig.4