

## **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	23.04
QPSK	706.5	23755	5	1	12	23.29
QPSK	706.5	23755	5	1	24	23.04
QPSK	706.5	23755	5	12	0	22.14
QPSK	706.5	23755	5	12	7	22.13
QPSK	706.5	23755	5	12	13	22.13
QPSK	706.5	23755	5	25	0	22.06
QPSK	710	23790	5	1	0	23.10
QPSK	710	23790	5	1	12	23.27
QPSK	710	23790	5	1	24	23.13
QPSK	710	23790	5	12	0	22.13
QPSK	710	23790	5	12	7	22.14
QPSK	710	23790	5	12	13	22.08
QPSK	710	23790	5	25	0	22.09
QPSK	713.5	23825	5	1	0	23.06
QPSK	713.5	23825	5	1	12	23.32
QPSK	713.5	23825	5	1	24	23.04
QPSK	713.5	23825	5	12	0	22.14
QPSK	713.5	23825	5	12	7	22.15
QPSK	713.5	23825	5	12	13	22.16
QPSK	713.5	23825	5	25	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.11
16QAM	706.5	23755	5	1	12	22.44
16QAM	706.5	23755	5	1	24	22.12
16QAM	706.5	23755	5	12	0	21.10
16QAM	706.5	23755	5	12	7	21.12
16QAM	706.5	23755	5	12	13	21.19
16QAM	706.5	23755	5	25	0	21.09
16QAM	710	23790	5	1	0	22.45
16QAM	710	23790	5	1	12	22.61
16QAM	710	23790	5	1	24	22.38
16QAM	710	23790	5	12	0	21.03
16QAM	710	23790	5	12	7	21.12
16QAM	710	23790	5	12	13	21.03
16QAM	710	23790	5	25	0	21.09
16QAM	713.5	23825	5	1	0	22.19
16QAM	713.5	23825	5	1	12	22.42
16QAM	713.5	23825	5	1	24	22.17
16QAM	713.5	23825	5	12	0	21.08
16QAM	713.5	23825	5	12	7	21.23
16QAM	713.5	23825	5	12	13	21.11
16QAM	713.5	23825	5	25	0	21.14
64QAM	706.5	23755	5	1	0	21.04
64QAM	706.5	23755	5	1	12	21.33
64QAM	706.5	23755	5	1	24	21.17
64QAM	706.5	23755	5	12	0	20.15
64QAM	706.5	23755	5	12	7	20.23
64QAM	706.5	23755	5	12	13	20.27
64QAM	706.5	23755	5	25	0	20.13
64QAM	710	23790	5	1	0	21.34
64QAM	710	23790	5	1	12	21.49
64QAM	710	23790	5	1	24	21.31
64QAM	710	23790	5	12	0	20.04
64QAM	710	23790	5	12	7	20.16
64QAM	710	23790	5	12	13	20.05
64QAM	710	23790	5	25	0	20.07
64QAM	713.5	23825	5	1	0	21.25
64QAM	713.5	23825	5	1	12	21.45
64QAM	713.5	23825	5	1	24	21.25
64QAM	713.5	23825	5	12	0	20.18
64QAM	713.5	23825	5	12	7	20.26
64QAM	713.5	23825	5	12	13	20.20
64QAM	713.5	23825	5	25	0	20.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.04
QPSK	709	23780	10	1	25	23.35
QPSK	709	23780	10	1	49	23.24
QPSK	709	23780	10	25	0	22.07
QPSK	709	23780	10	25	12	22.13
QPSK	709	23780	10	25	25	22.18
QPSK	709	23780	10	50	0	22.12
QPSK	710	23790	10	1	0	23.10
QPSK	710	23790	10	1	25	22.75
QPSK	710	23790	10	1	49	22.70
QPSK	710	23790	10	25	0	21.52
QPSK	710	23790	10	25	12	21.94
QPSK	710	23790	10	25	25	21.75
QPSK	710	23790	10	50	0	21.93
QPSK	711	23800	10	1	0	22.54
QPSK	711	23800	10	1	25	22.72
QPSK	711	23800	10	1	49	22.65
QPSK	711	23800	10	25	0	21.76
QPSK	711	23800	10	25	12	22.19
QPSK	711	23800	10	25	25	21.68
QPSK	711	23800	10	50	0	21.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.28
16QAM	709	23780	10	1	25	22.74
16QAM	709	23780	10	1	49	22.36
16QAM	709	23780	10	25	0	21.11
16QAM	709	23780	10	25	12	21.22
16QAM	709	23780	10	25	25	21.15
16QAM	709	23780	10	50	0	21.05
16QAM	710	23790	10	1	0	21.74
16QAM	710	23790	10	1	25	22.03
16QAM	710	23790	10	1	49	21.83
16QAM	710	23790	10	25	0	20.79
16QAM	710	23790	10	25	12	20.87
16QAM	710	23790	10	25	25	21.14
16QAM	710	23790	10	50	0	21.12
16QAM	711	23800	10	1	0	21.77
16QAM	711	23800	10	1	25	21.98
16QAM	711	23800	10	1	49	21.77
16QAM	711	23800	10	25	0	20.66
16QAM	711	23800	10	25	12	20.73
16QAM	711	23800	10	25	25	20.69
16QAM	711	23800	10	50	0	20.87
64QAM	709	23780	10	1	0	21.39
64QAM	709	23780	10	1	25	21.65
64QAM	709	23780	10	1	49	21.46
64QAM	709	23780	10	25	0	20.22
64QAM	709	23780	10	25	12	20.21
64QAM	709	23780	10	25	25	20.27
64QAM	709	23780	10	50	0	20.15
64QAM	710	23790	10	1	0	20.73
64QAM	710	23790	10	1	25	21.17
64QAM	710	23790	10	1	49	20.79
64QAM	710	23790	10	25	0	20.15
64QAM	710	23790	10	25	12	20.23
64QAM	710	23790	10	25	25	20.19
64QAM	710	23790	10	50	0	20.20
64QAM	711	23800	10	1	0	20.85
64QAM	711	23800	10	1	25	21.06
64QAM	711	23800	10	1	49	20.79
64QAM	711	23800	10	25	0	20.27
64QAM	711	23800	10	25	12	20.29
64QAM	711	23800	10	25	25	20.25
64QAM	711	23800	10	50	0	20.17

## 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	4.464	Fig.1
17	QPSK	710	23790	5	25	0	4.454	Fig.2
17	QPSK	713.5	23825	5	25	0	4.466	Fig.3
17	QPSK	709	23780	10	50	0	8.910	Fig.4
17	QPSK	710	23790	10	50	0	8.916	Fig.5
17	QPSK	711	23800	10	50	0	8.948	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	4.453	Fig.7
17	16QAM	710	23790	5	25	0	4.474	Fig.8
17	16QAM	713.5	23825	5	25	0	4.475	Fig.9
17	16QAM	709	23780	10	50	0	8.882	Fig.10
17	16QAM	710	23790	10	50	0	8.935	Fig.11
17	16QAM	711	23800	10	50	0	8.943	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	4.465	Fig.13
17	64QAM	710	23790	5	25	0	4.454	Fig.14
17	64QAM	713.5	23825	5	25	0	4.475	Fig.15
17	64QAM	709	23780	10	50	0	8.926	Fig.16
17	64QAM	710	23790	10	50	0	8.941	Fig.17
17	64QAM	711	23800	10	50	0	8.916	Fig.18

Test Mode: QPSK

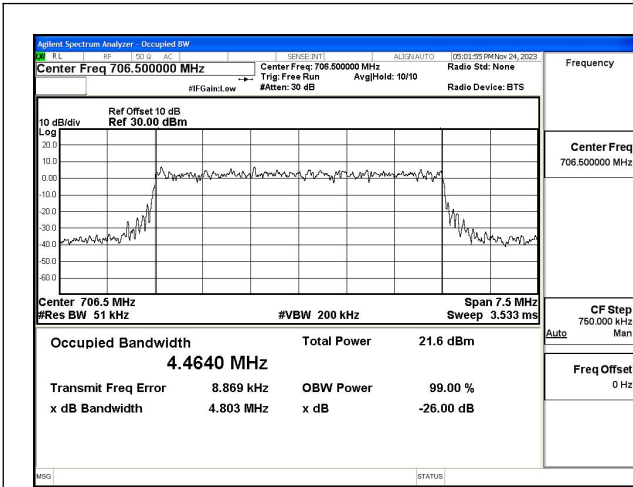


Fig.1

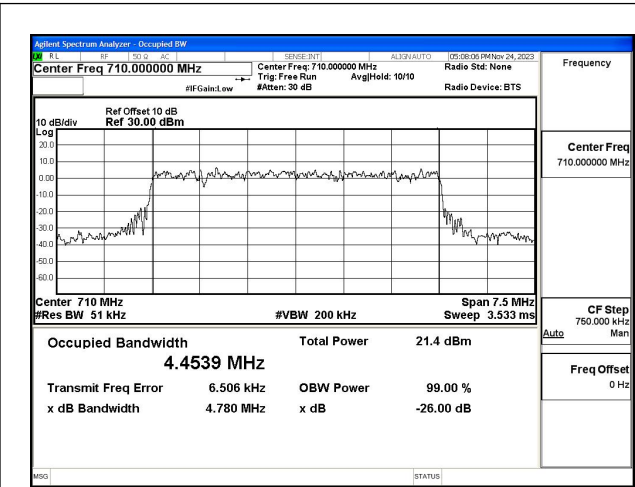


Fig.2

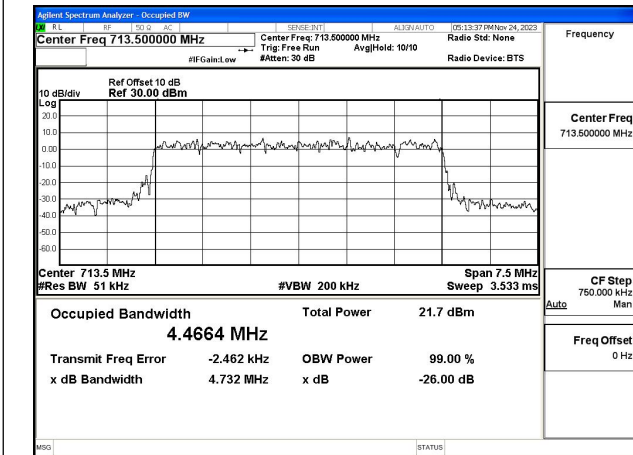


Fig.3

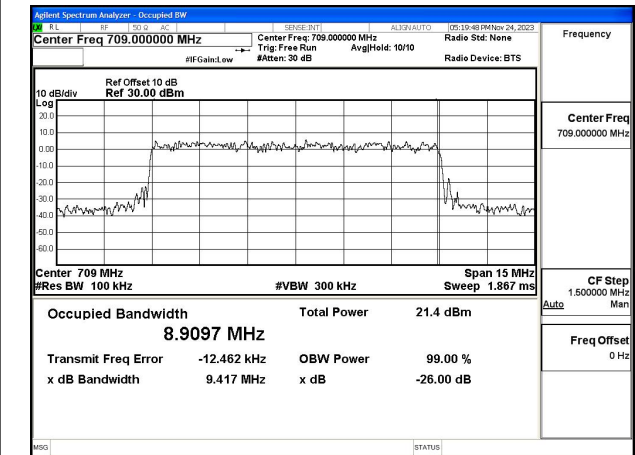


Fig.4

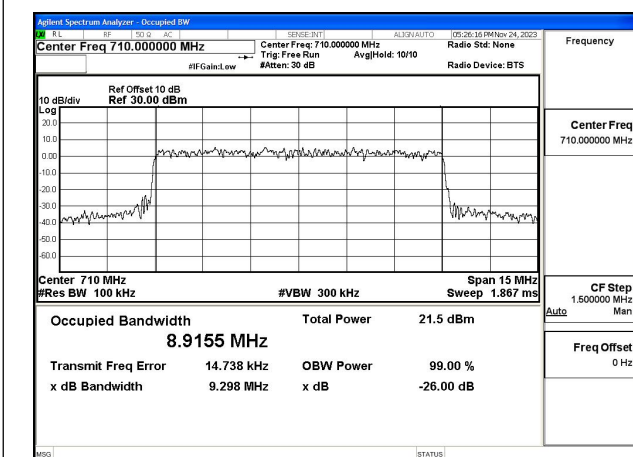


Fig.5

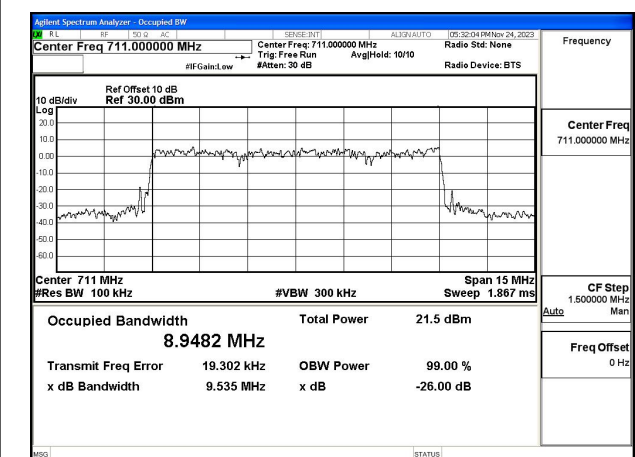


Fig.6

Test Mode: 16QAM

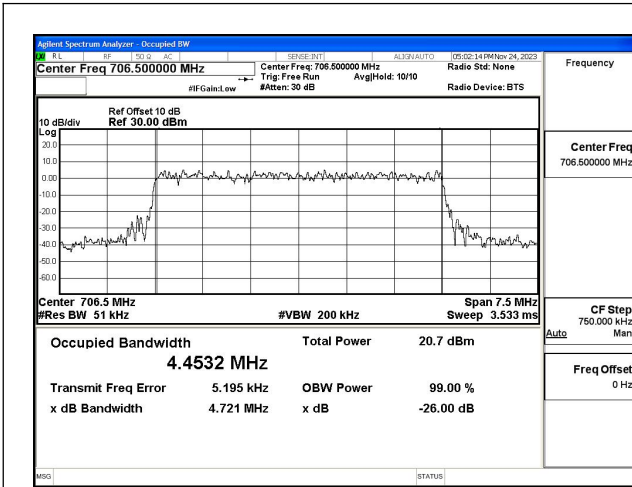


Fig.7

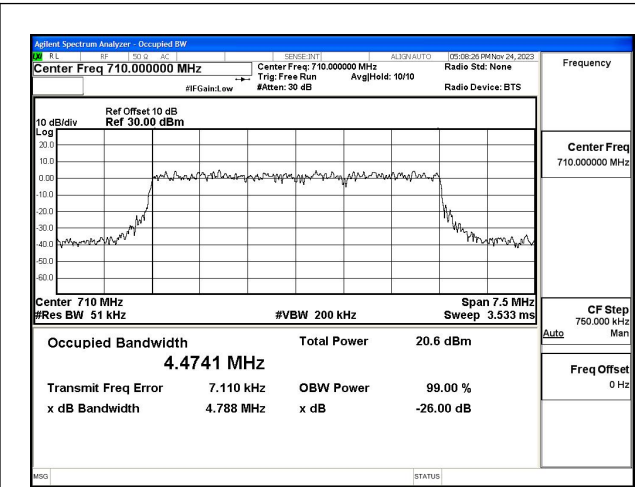


Fig.8

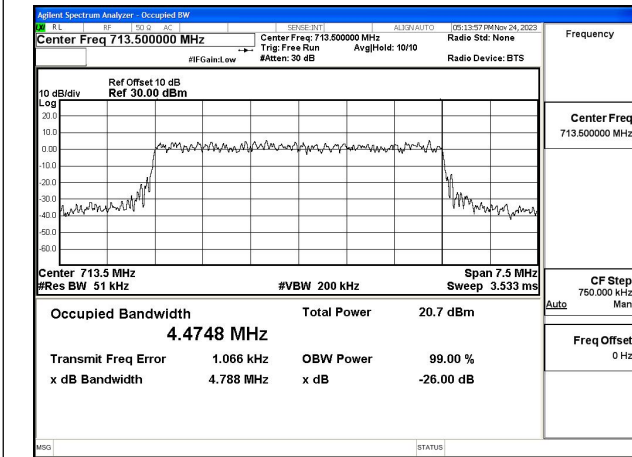


Fig.9

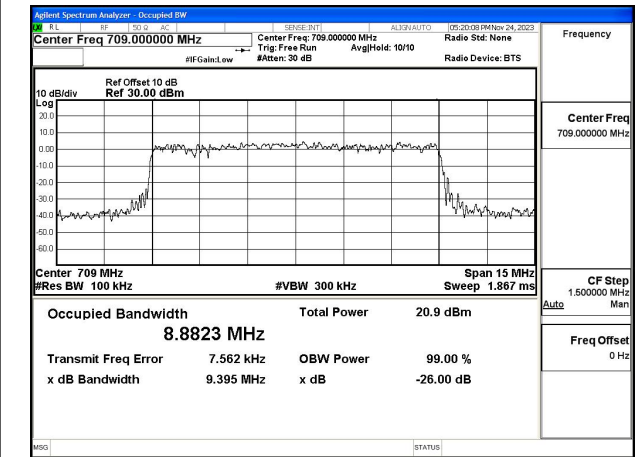


Fig.10

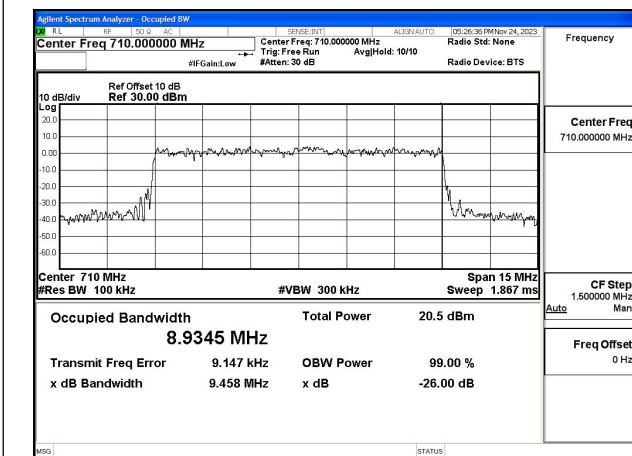


Fig.11

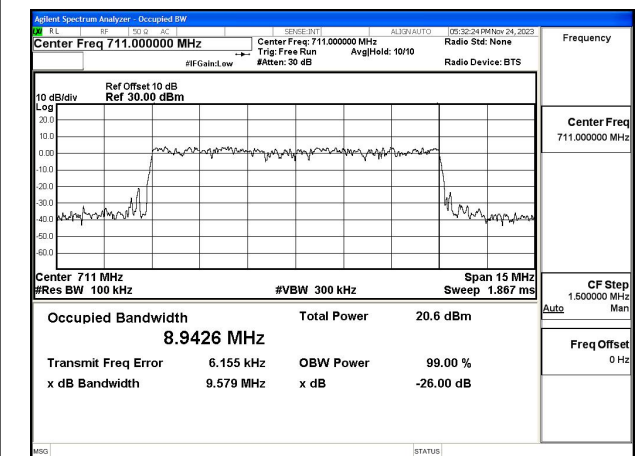


Fig.12

Test Mode: 64QAM

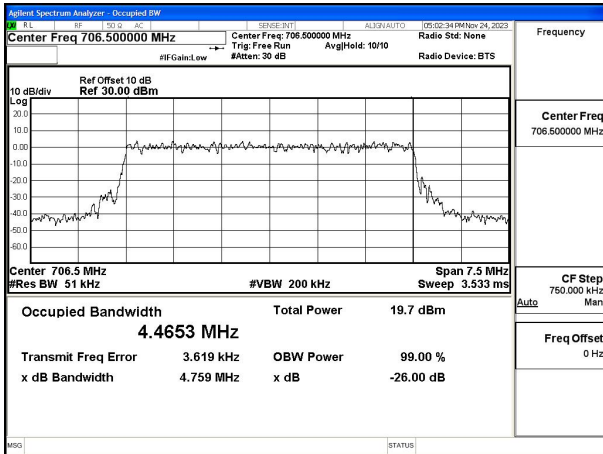


Fig.13

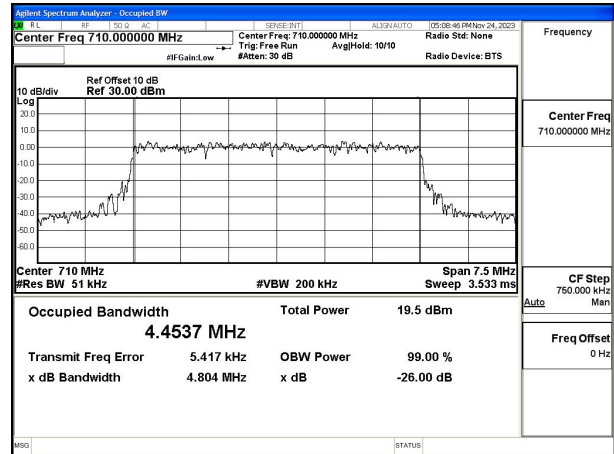


Fig.14

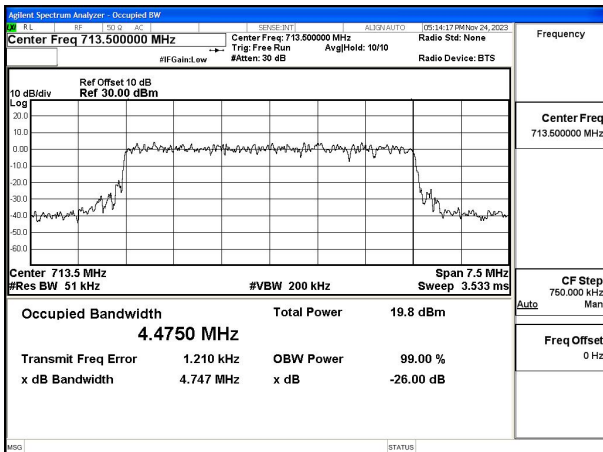


Fig.15

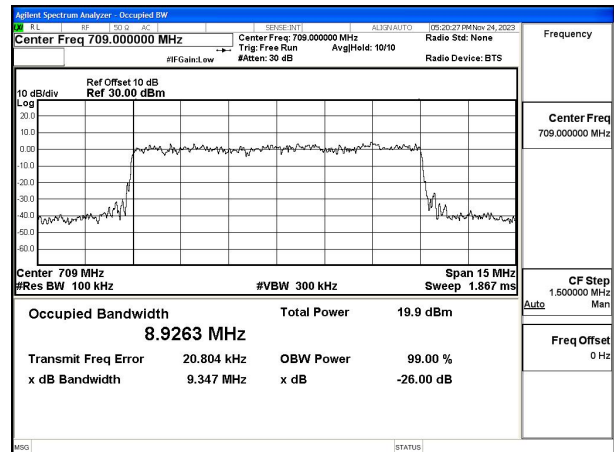


Fig.16

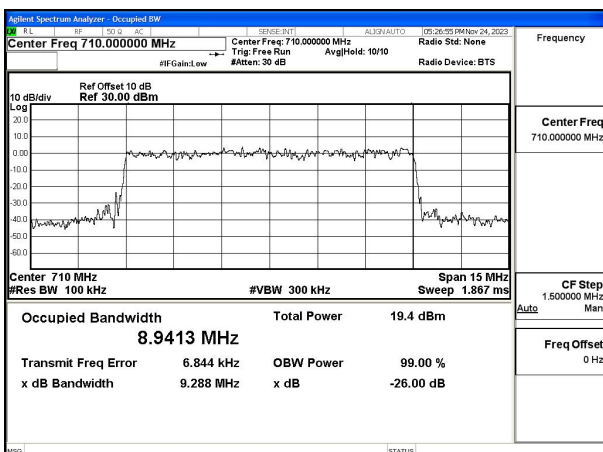


Fig.17

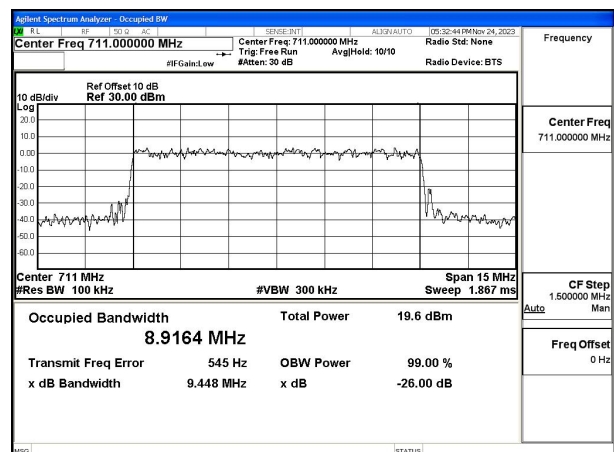


Fig.18



### 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	4.803	Fig.1
17	QPSK	710	23790	5	25	0	4.780	Fig.2
17	QPSK	713.5	23825	5	25	0	4.732	Fig.3
17	QPSK	709	23780	10	50	0	9.417	Fig.4
17	QPSK	710	23790	10	50	0	9.298	Fig.5
17	QPSK	711	23800	10	50	0	9.535	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	4.721	Fig.7
17	16QAM	710	23790	5	25	0	4.788	Fig.8
17	16QAM	713.5	23825	5	25	0	4.788	Fig.9
17	16QAM	709	23780	10	50	0	9.395	Fig.10
17	16QAM	710	23790	10	50	0	9.458	Fig.11
17	16QAM	711	23800	10	50	0	9.579	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	4.759	Fig.13
17	64QAM	710	23790	5	25	0	4.804	Fig.14
17	64QAM	713.5	23825	5	25	0	4.747	Fig.15
17	64QAM	709	23780	10	50	0	9.347	Fig.16
17	64QAM	710	23790	10	50	0	9.288	Fig.17
17	64QAM	711	23800	10	50	0	9.448	Fig.18

Test Mode: QPSK

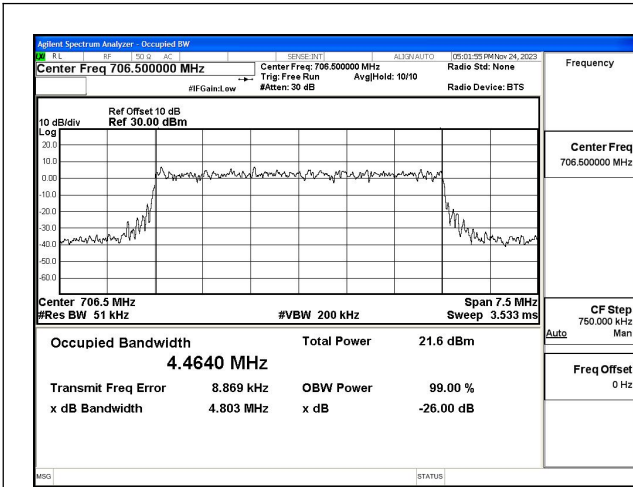


Fig.1

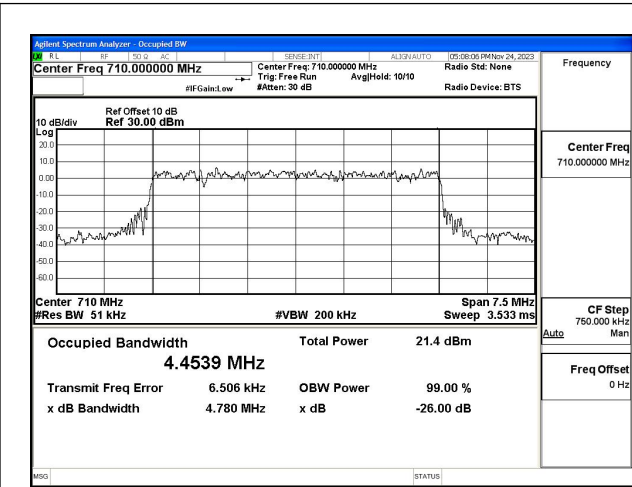


Fig.2

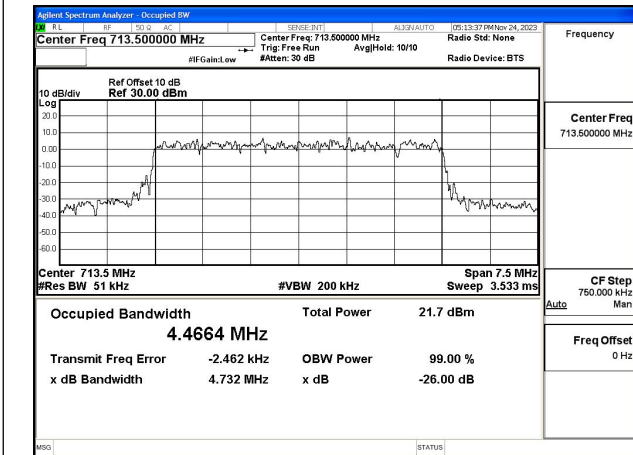


Fig.3

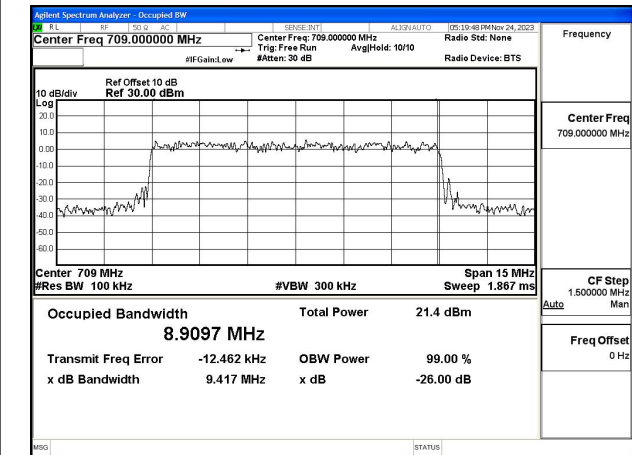


Fig.4

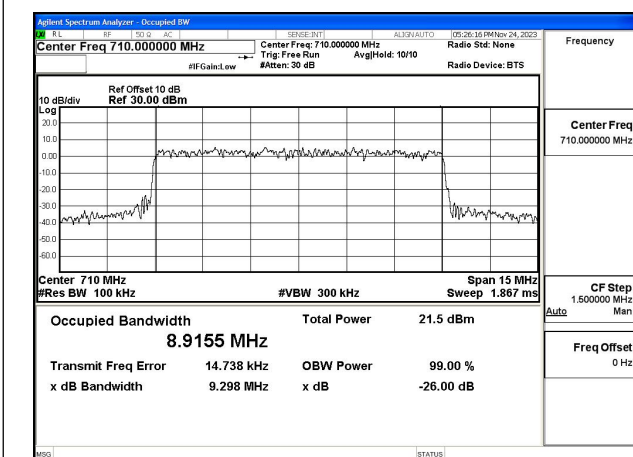


Fig.5

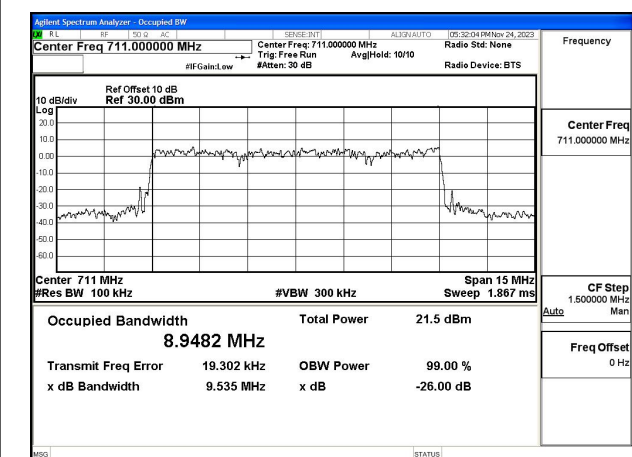


Fig.6

Test Mode: 16QAM

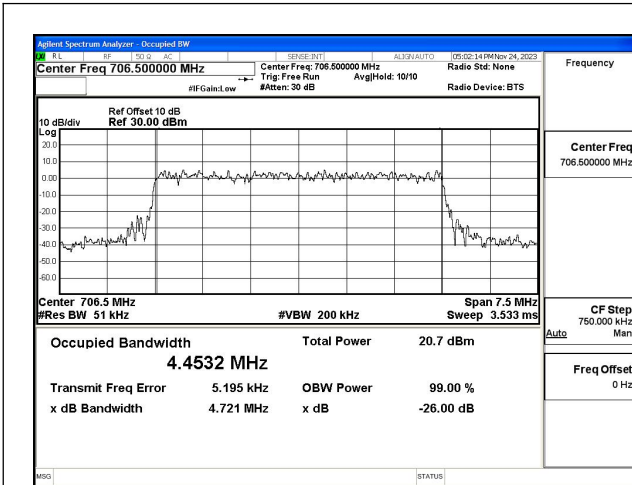


Fig.7

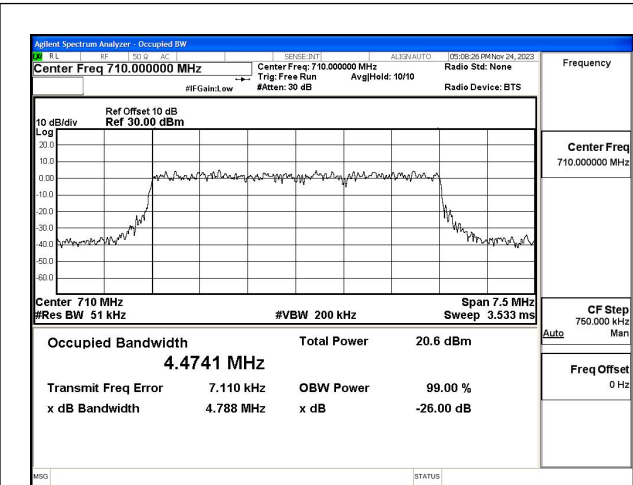


Fig.8

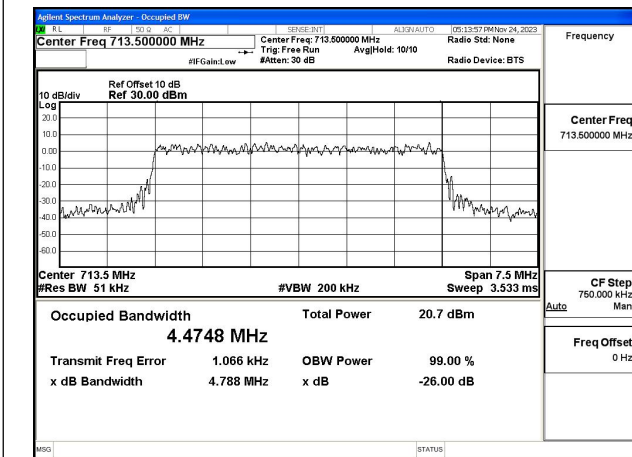


Fig.9

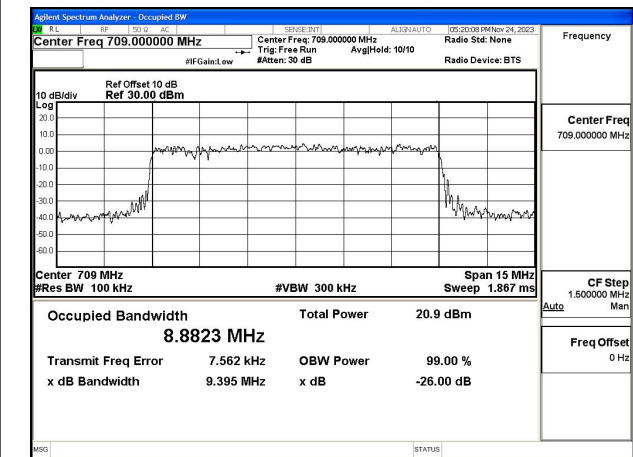


Fig.10

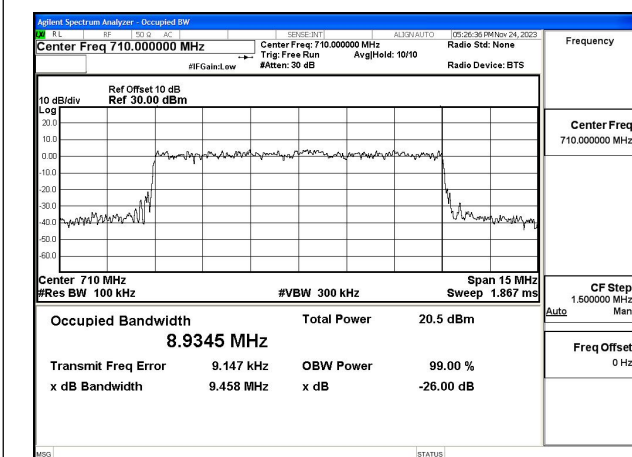


Fig.11

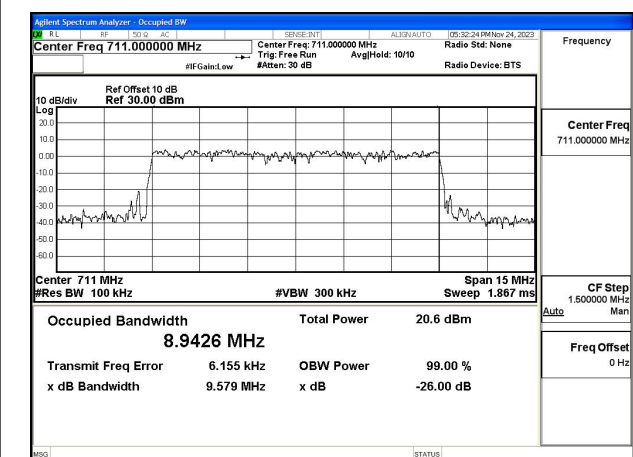


Fig.12

Test Mode: 64QAM

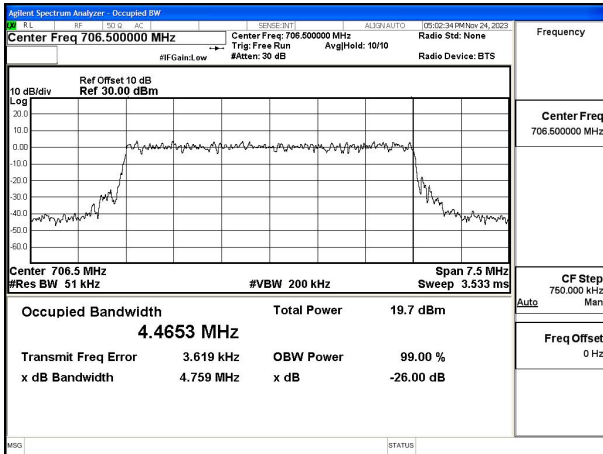


Fig.13

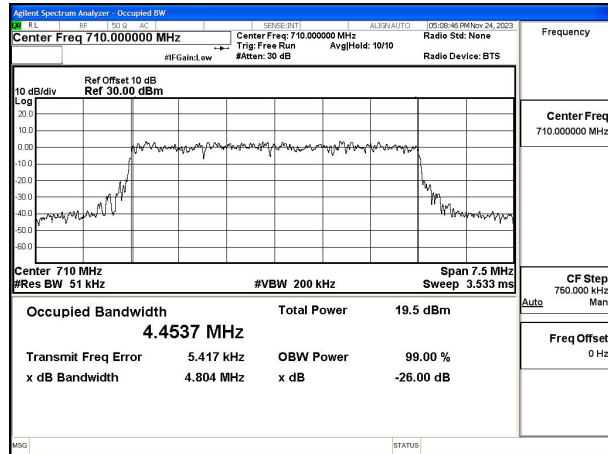


Fig.14

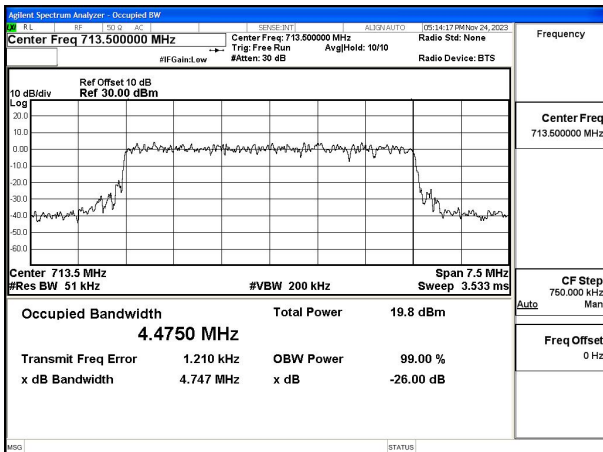


Fig.15

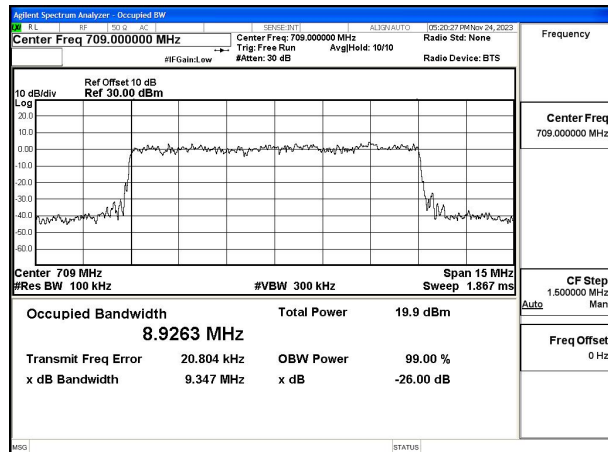


Fig.16

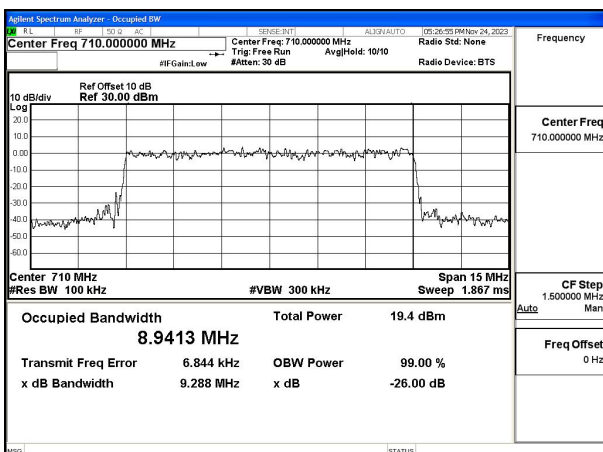


Fig.17

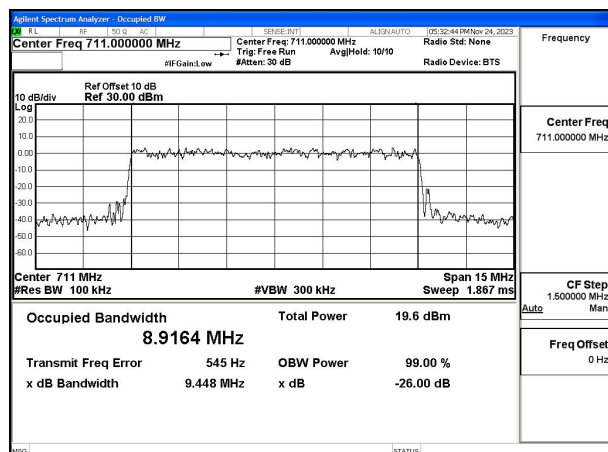


Fig.18

#### 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