

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	22.99
QPSK	706.5	23755	5	1	12	23.05
QPSK	706.5	23755	5	1	24	22.94
QPSK	706.5	23755	5	12	0	22.02
QPSK	706.5	23755	5	12	7	22.27
QPSK	706.5	23755	5	12	13	22.17
QPSK	706.5	23755	5	25	0	22.12
QPSK	710	23790	5	1	0	23.13
QPSK	710	23790	5	1	12	23.11
QPSK	710	23790	5	1	24	22.86
QPSK	710	23790	5	12	0	22.18
QPSK	710	23790	5	12	7	22.19
QPSK	710	23790	5	12	13	22.20
QPSK	710	23790	5	25	0	22.14
QPSK	713.5	23825	5	1	0	23.10
QPSK	713.5	23825	5	1	12	22.99
QPSK	713.5	23825	5	1	24	22.94
QPSK	713.5	23825	5	12	0	22.15
QPSK	713.5	23825	5	12	7	22.02
QPSK	713.5	23825	5	12	13	22.14
QPSK	713.5	23825	5	25	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.35
16QAM	706.5	23755	5	1	12	22.31
16QAM	706.5	23755	5	1	24	22.35
16QAM	706.5	23755	5	12	0	21.17
16QAM	706.5	23755	5	12	7	21.27
16QAM	706.5	23755	5	12	13	21.07
16QAM	706.5	23755	5	25	0	21.20
16QAM	710	23790	5	1	0	22.03
16QAM	710	23790	5	1	12	22.69
16QAM	710	23790	5	1	24	22.34
16QAM	710	23790	5	12	0	21.06
16QAM	710	23790	5	12	7	21.08
16QAM	710	23790	5	12	13	21.19
16QAM	710	23790	5	25	0	21.10
16QAM	713.5	23825	5	1	0	22.28
16QAM	713.5	23825	5	1	12	22.41
16QAM	713.5	23825	5	1	24	22.02
16QAM	713.5	23825	5	12	0	21.09
16QAM	713.5	23825	5	12	7	21.15
16QAM	713.5	23825	5	12	13	21.07
16QAM	713.5	23825	5	25	0	21.06
64QAM	706.5	23755	5	1	0	22.03
64QAM	706.5	23755	5	1	12	22.13
64QAM	706.5	23755	5	1	24	22.36
64QAM	706.5	23755	5	12	0	21.21
64QAM	706.5	23755	5	12	7	21.23
64QAM	706.5	23755	5	12	13	21.23
64QAM	706.5	23755	5	25	0	21.22
64QAM	710	23790	5	1	0	22.13
64QAM	710	23790	5	1	12	22.08
64QAM	710	23790	5	1	24	22.32
64QAM	710	23790	5	12	0	21.06
64QAM	710	23790	5	12	7	21.14
64QAM	710	23790	5	12	13	21.06
64QAM	710	23790	5	25	0	21.14
64QAM	713.5	23825	5	1	0	22.07
64QAM	713.5	23825	5	1	12	21.95
64QAM	713.5	23825	5	1	24	22.27
64QAM	713.5	23825	5	12	0	21.03
64QAM	713.5	23825	5	12	7	21.19
64QAM	713.5	23825	5	12	13	20.96
64QAM	713.5	23825	5	25	0	21.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.25
QPSK	709	23780	10	1	25	22.97
QPSK	709	23780	10	1	49	22.97
QPSK	709	23780	10	25	0	22.11
QPSK	709	23780	10	25	12	22.14
QPSK	709	23780	10	25	25	22.11
QPSK	709	23780	10	50	0	22.29
QPSK	710	23790	10	1	0	23.10
QPSK	710	23790	10	1	25	23.13
QPSK	710	23790	10	1	49	22.96
QPSK	710	23790	10	25	0	22.14
QPSK	710	23790	10	25	12	22.16
QPSK	710	23790	10	25	25	22.15
QPSK	710	23790	10	50	0	22.05
QPSK	711	23800	10	1	0	23.05
QPSK	711	23800	10	1	25	23.05
QPSK	711	23800	10	1	49	22.82
QPSK	711	23800	10	25	0	22.16
QPSK	711	23800	10	25	12	22.14
QPSK	711	23800	10	25	25	22.07
QPSK	711	23800	10	50	0	22.11

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	22.27
16QAM	709	23780	10	1	49	22.66
16QAM	709	23780	10	25	0	21.10
16QAM	709	23780	10	25	12	21.19
16QAM	709	23780	10	25	25	21.17
16QAM	709	23780	10	50	0	21.21
16QAM	710	23790	10	1	0	22.62
16QAM	710	23790	10	1	25	22.78
16QAM	710	23790	10	1	49	21.96
16QAM	710	23790	10	25	0	21.12
16QAM	710	23790	10	25	12	21.13
16QAM	710	23790	10	25	25	21.17
16QAM	710	23790	10	50	0	21.11
16QAM	711	23800	10	1	0	22.66
16QAM	711	23800	10	1	25	22.47
16QAM	711	23800	10	1	49	22.34
16QAM	711	23800	10	25	0	21.08
16QAM	711	23800	10	25	12	21.22
16QAM	711	23800	10	25	25	21.13
16QAM	711	23800	10	50	0	20.99
64QAM	709	23780	10	1	0	22.51
64QAM	709	23780	10	1	25	22.20
64QAM	709	23780	10	1	49	22.24
64QAM	709	23780	10	25	0	21.14
64QAM	709	23780	10	25	12	21.32
64QAM	709	23780	10	25	25	21.23
64QAM	709	23780	10	50	0	21.14
64QAM	710	23790	10	1	0	22.76
64QAM	710	23790	10	1	25	22.24
64QAM	710	23790	10	1	49	22.00
64QAM	710	23790	10	25	0	21.15
64QAM	710	23790	10	25	12	21.03
64QAM	710	23790	10	25	25	21.23
64QAM	710	23790	10	50	0	21.15
64QAM	711	23800	10	1	0	22.30
64QAM	711	23800	10	1	25	22.35
64QAM	711	23800	10	1	49	21.97
64QAM	711	23800	10	25	0	21.14
64QAM	711	23800	10	25	12	21.11
64QAM	711	23800	10	25	25	21.13
64QAM	711	23800	10	50	0	21.12

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	4.470	Fig.1
17	QPSK	710	23790	5	25	0	4.446	Fig.2
17	QPSK	713.5	23825	5	25	0	4.461	Fig.3
17	QPSK	709	23780	10	50	0	8.914	Fig.4
17	QPSK	710	23790	10	50	0	8.895	Fig.5
17	QPSK	711	23800	10	50	0	8.920	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	4.464	Fig.8
17	16QAM	713.5	23825	5	25	0	4.462	Fig.9
17	16QAM	709	23780	10	50	0	8.899	Fig.10
17	16QAM	710	23790	10	50	0	8.908	Fig.11
17	16QAM	711	23800	10	50	0	8.925	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	4.464	Fig.13
17	64QAM	710	23790	5	25	0	4.456	Fig.14
17	64QAM	713.5	23825	5	25	0	4.453	Fig.15
17	64QAM	709	23780	10	50	0	8.923	Fig.16
17	64QAM	710	23790	10	50	0	8.921	Fig.17
17	64QAM	711	23800	10	50	0	8.923	Fig.18

Test Mode: QPSK

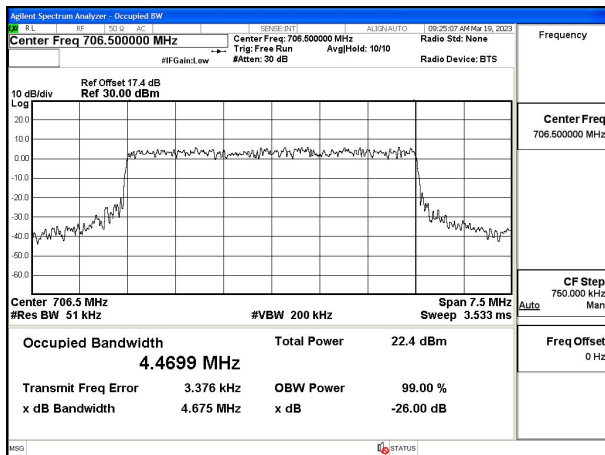


Fig.1

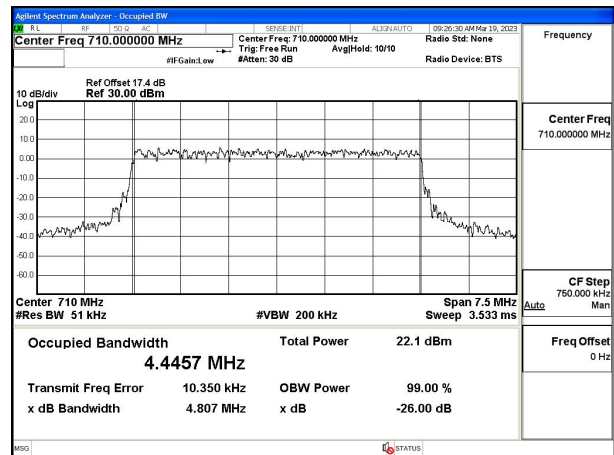


Fig.2

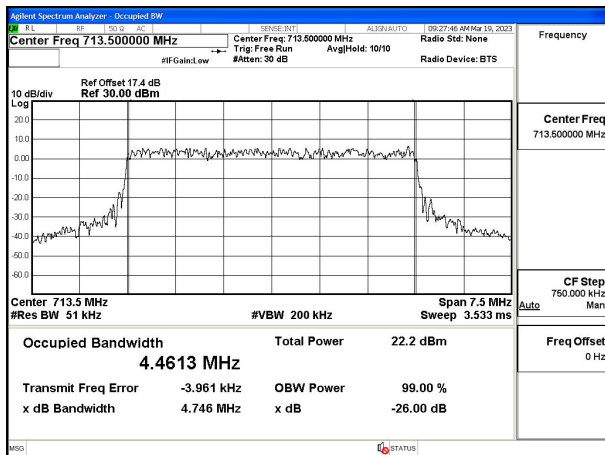


Fig.3

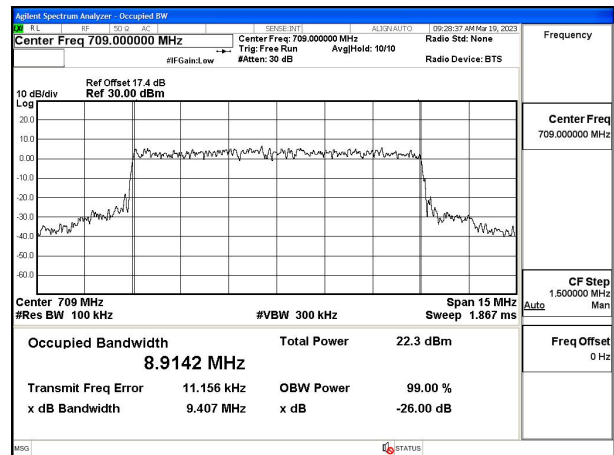


Fig.4

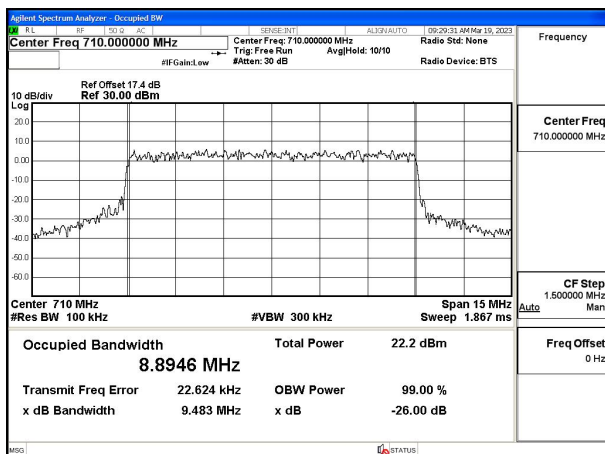


Fig.5

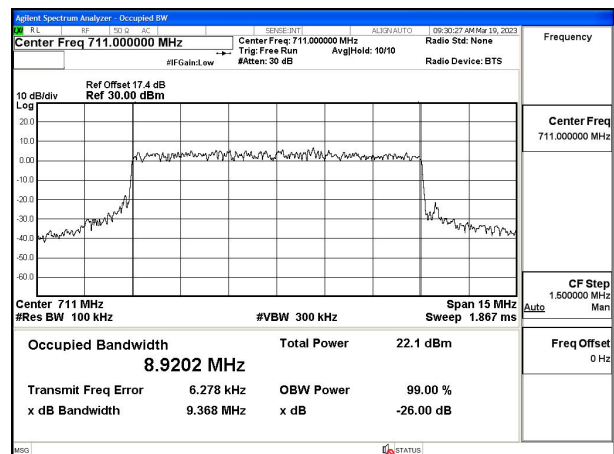


Fig.6

Test Mode: 16QAM

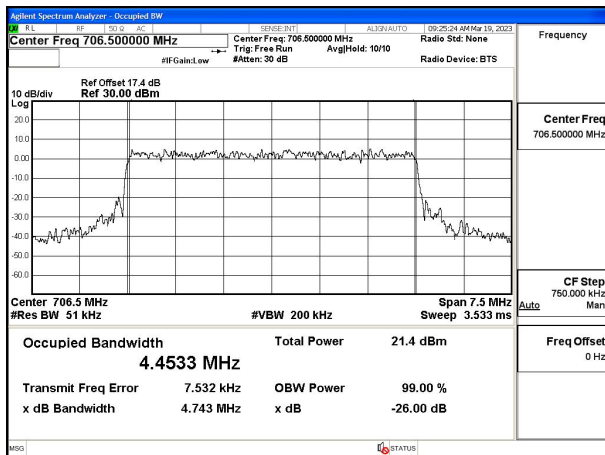


Fig.7

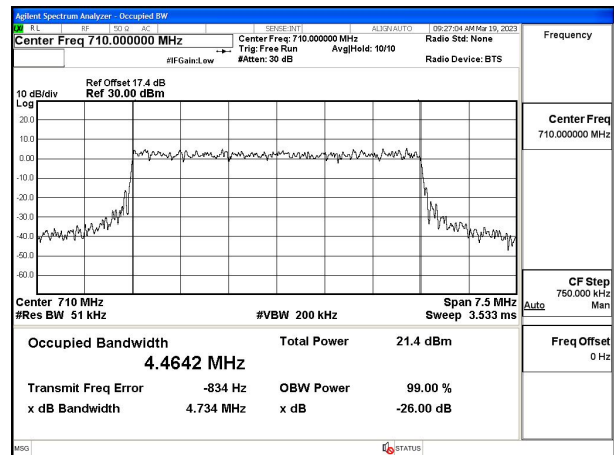


Fig.8

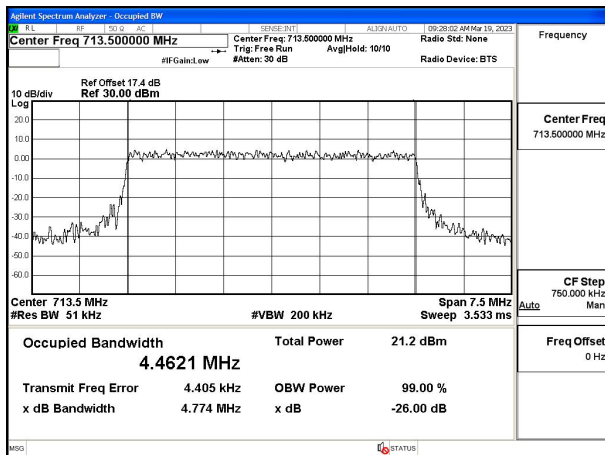


Fig.9

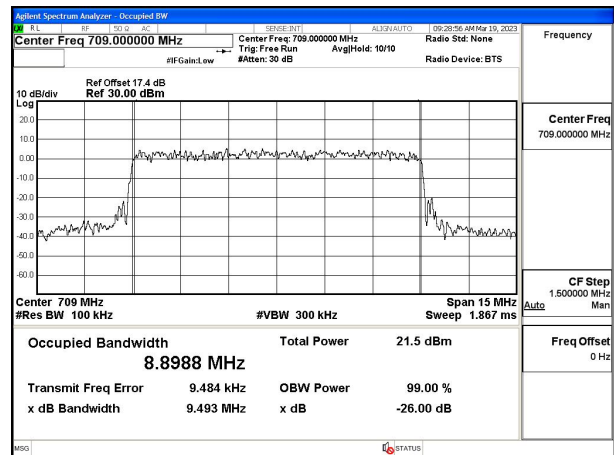


Fig.10

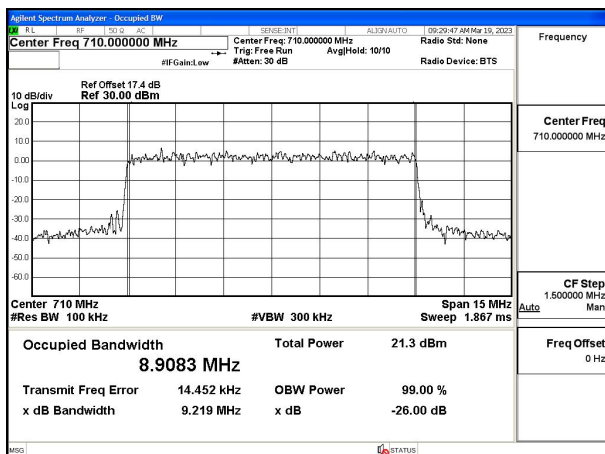


Fig.11

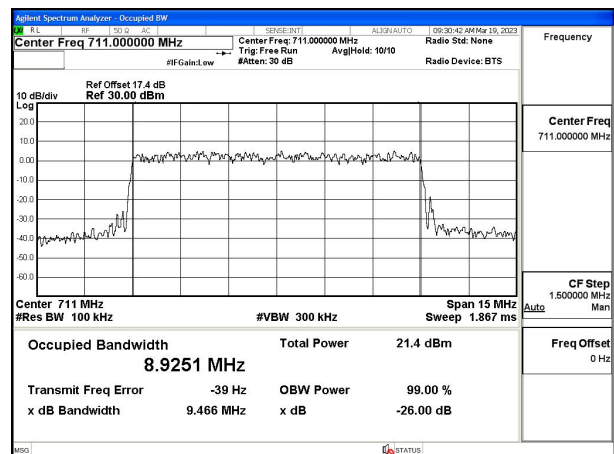


Fig.12

Test Mode: 64QAM

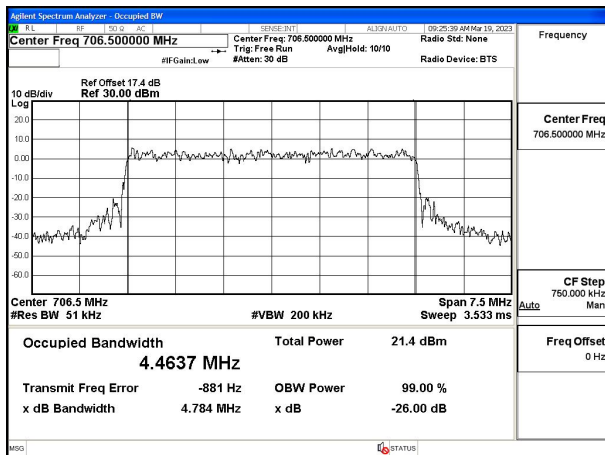


Fig.13

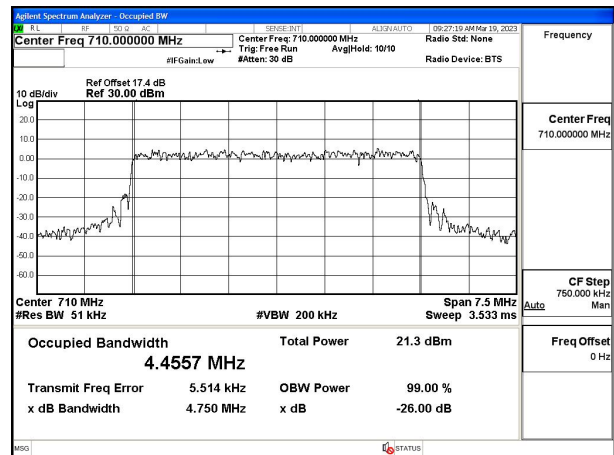


Fig.14

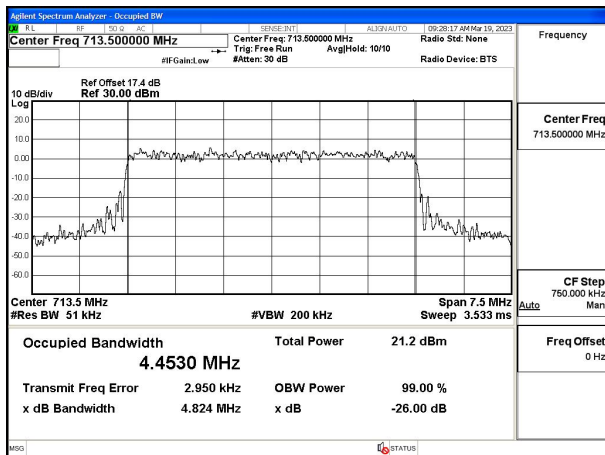


Fig.15

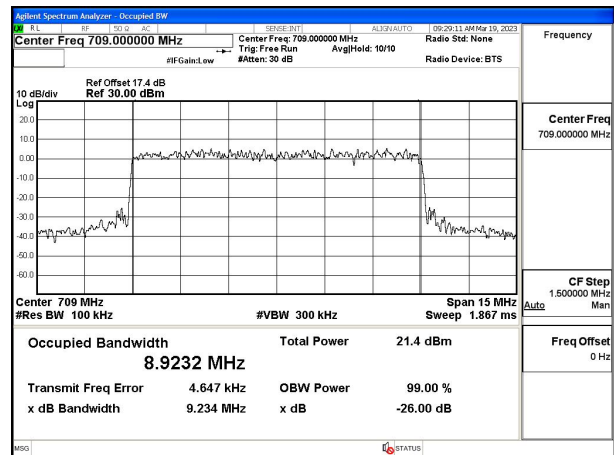


Fig.16

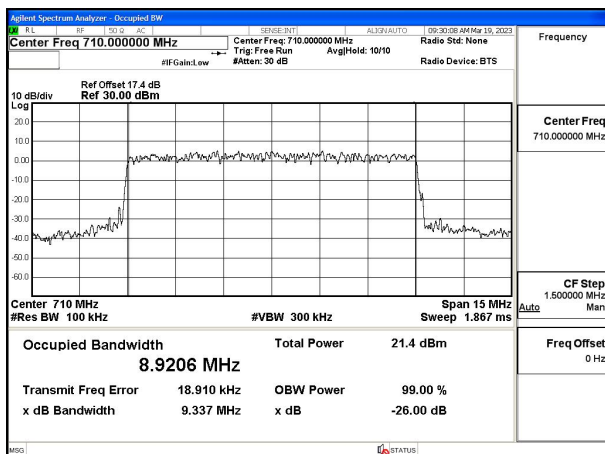


Fig.17

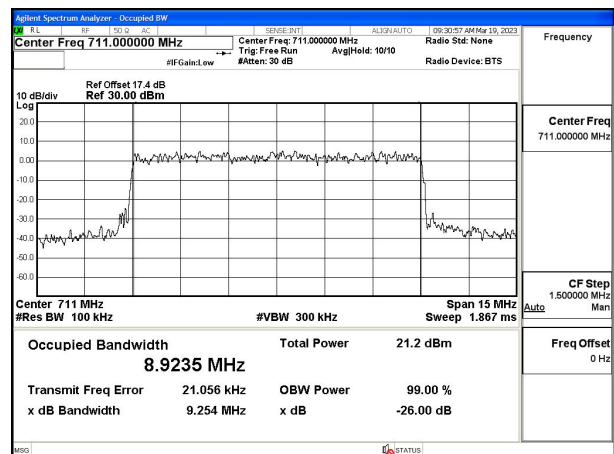


Fig.18

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	4.675	Fig.1
17	QPSK	710	23790	5	25	0	4.807	Fig.2
17	QPSK	713.5	23825	5	25	0	4.746	Fig.3
17	QPSK	709	23780	10	50	0	9.407	Fig.4
17	QPSK	710	23790	10	50	0	9.483	Fig.5
17	QPSK	711	23800	10	50	0	9.368	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	4.743	Fig.7
17	16QAM	710	23790	5	25	0	4.734	Fig.8
17	16QAM	713.5	23825	5	25	0	4.774	Fig.9
17	16QAM	709	23780	10	50	0	9.493	Fig.10
17	16QAM	710	23790	10	50	0	9.219	Fig.11
17	16QAM	711	23800	10	50	0	9.466	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	4.784	Fig.13
17	64QAM	710	23790	5	25	0	4.750	Fig.14
17	64QAM	713.5	23825	5	25	0	4.824	Fig.15
17	64QAM	709	23780	10	50	0	9.234	Fig.16
17	64QAM	710	23790	10	50	0	9.337	Fig.17
17	64QAM	711	23800	10	50	0	9.254	Fig.18

Test Mode: QPSK

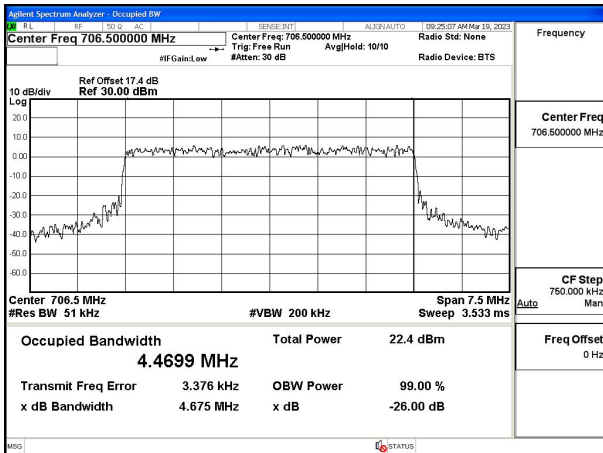


Fig.1

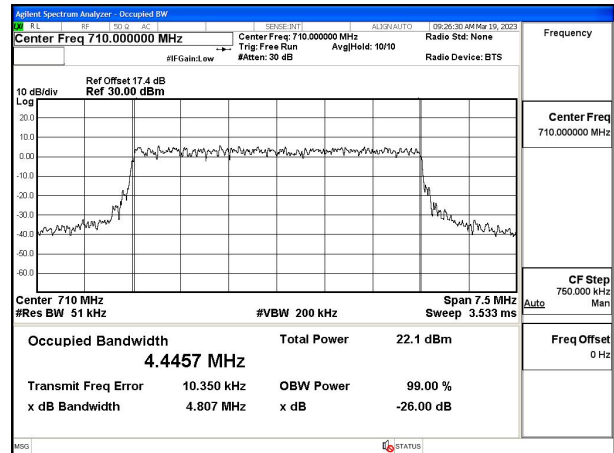


Fig.2

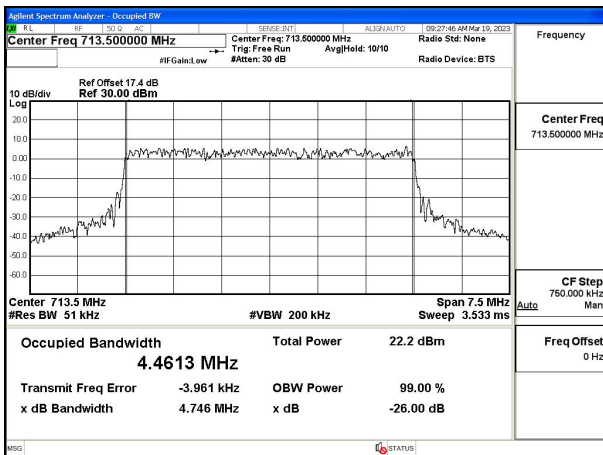


Fig.3

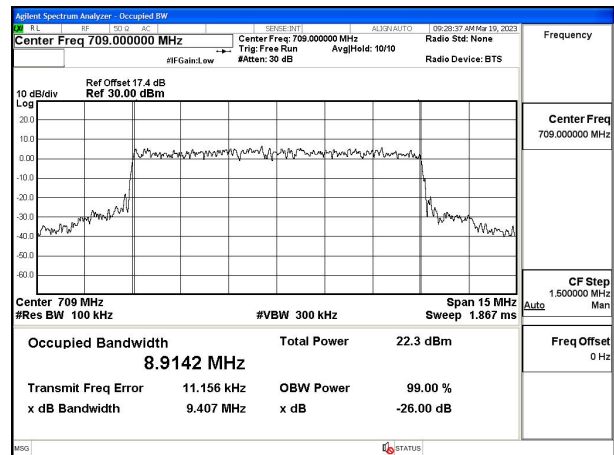


Fig.4

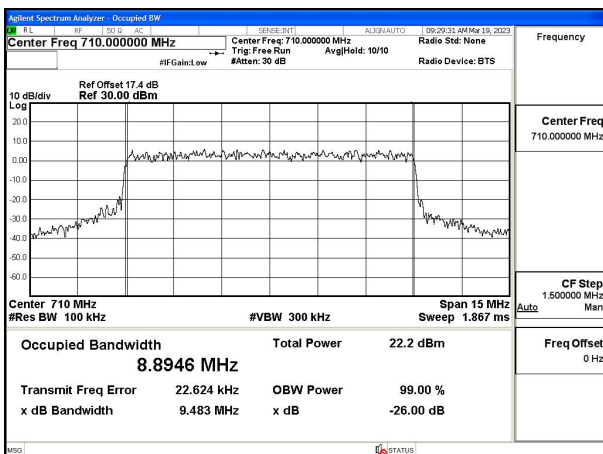


Fig.5

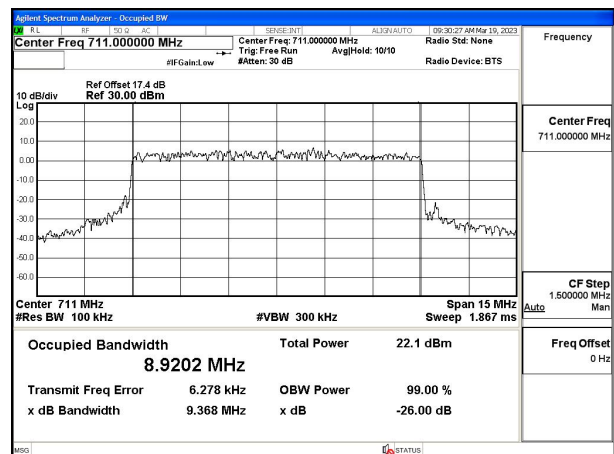


Fig.6

Test Mode: 16QAM

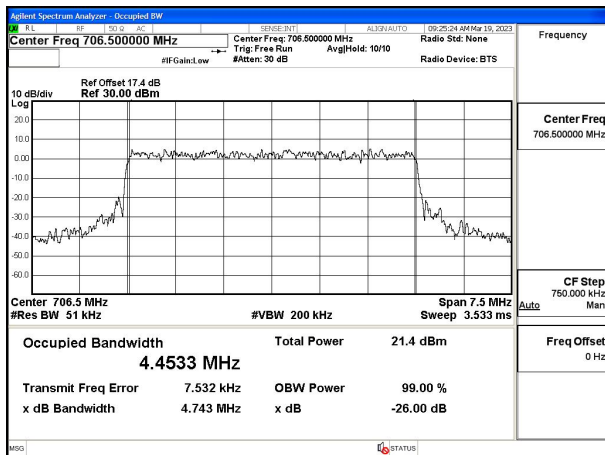


Fig.7

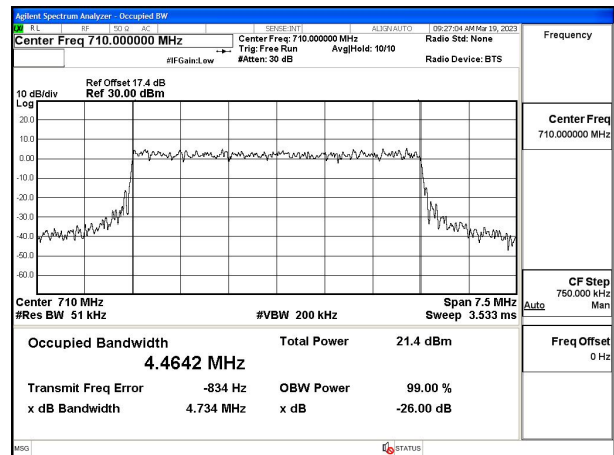


Fig.8

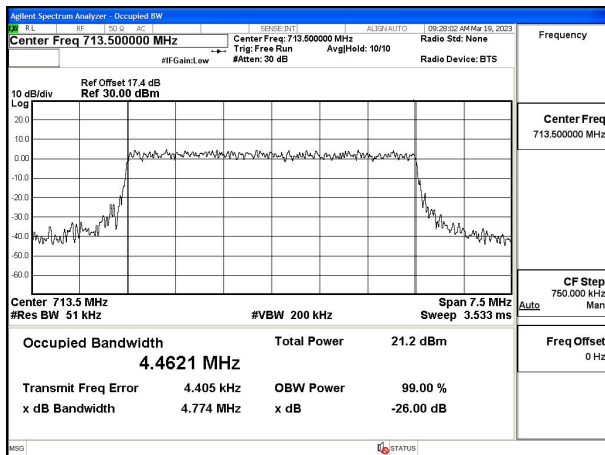


Fig.9

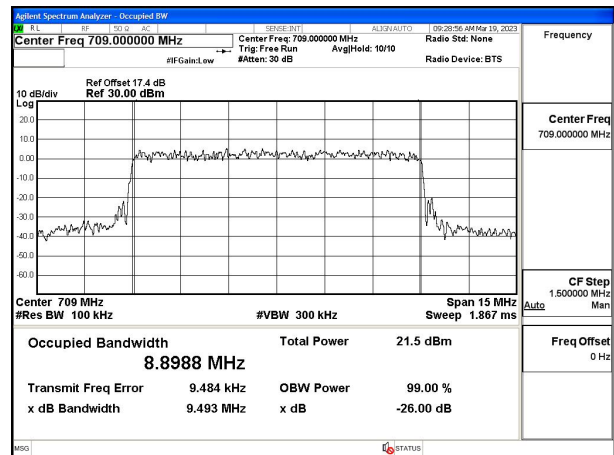


Fig.10

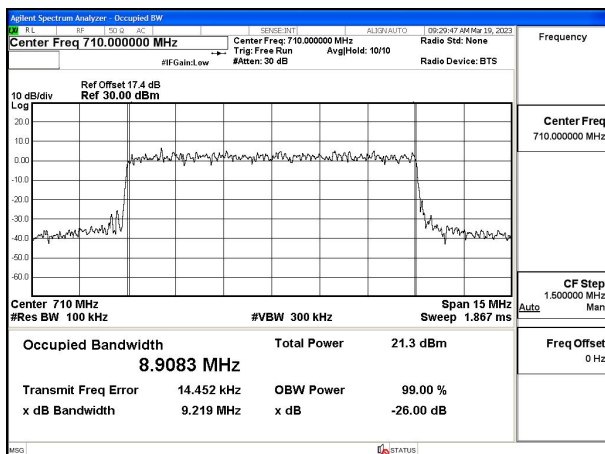


Fig.11

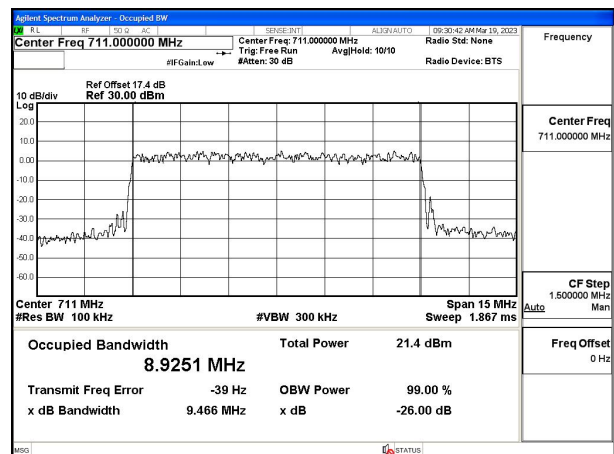


Fig.12

Test Mode: 64QAM

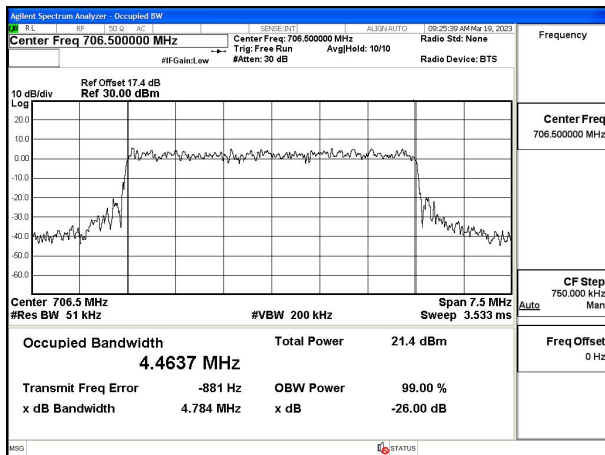


Fig.13

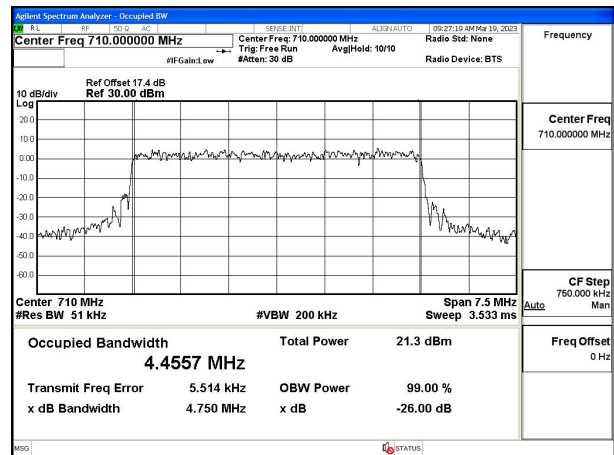


Fig.14

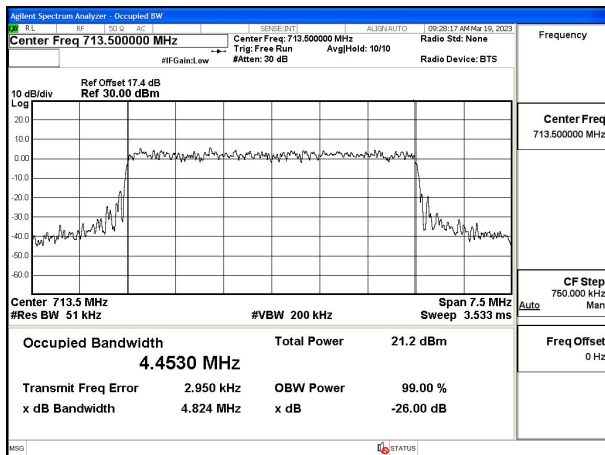


Fig.15

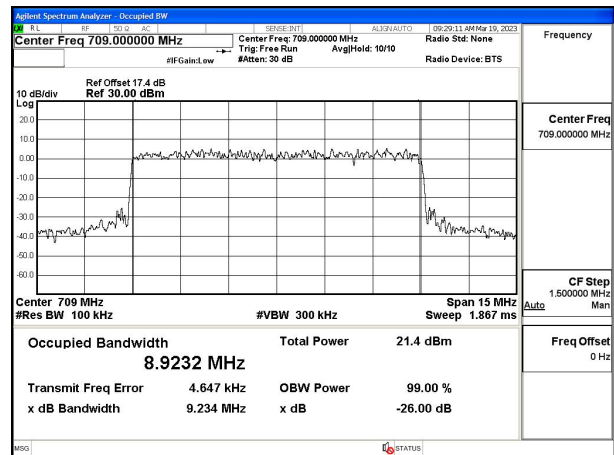


Fig.16

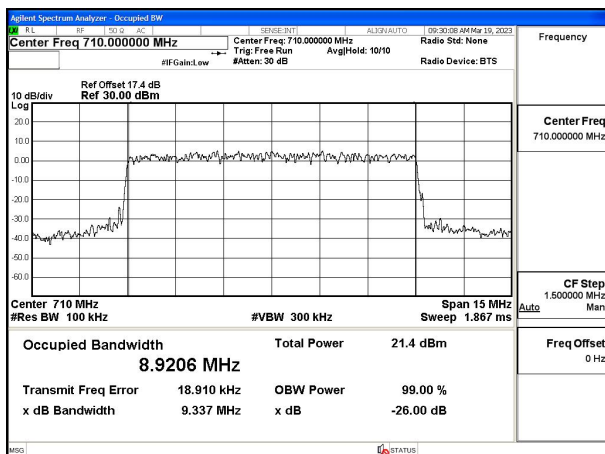


Fig.17

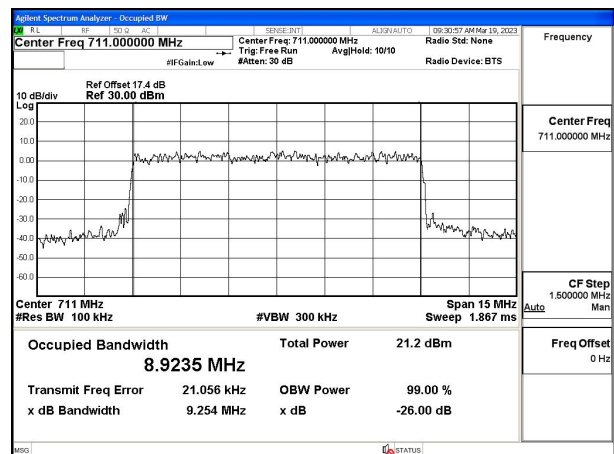


Fig.18

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

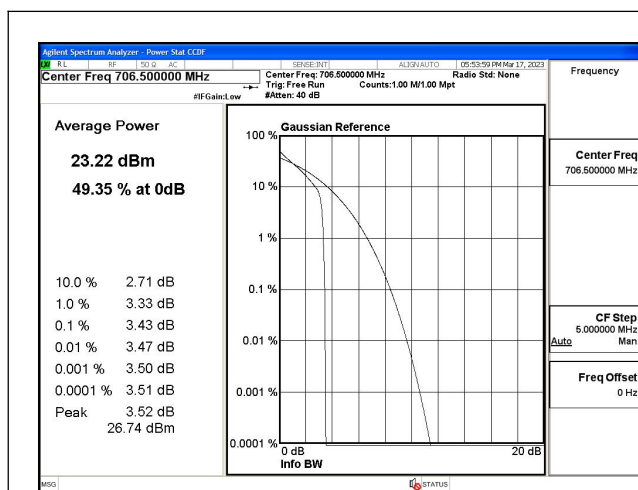


Fig.1

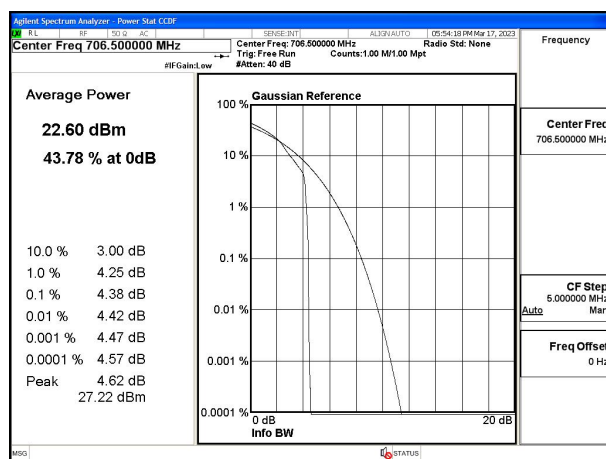


Fig.2

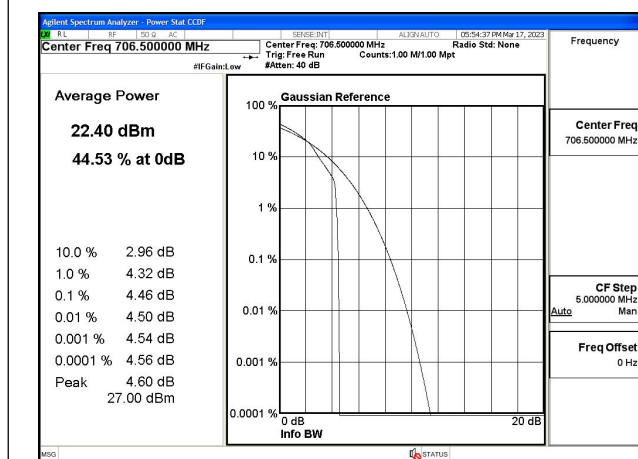


Fig.3

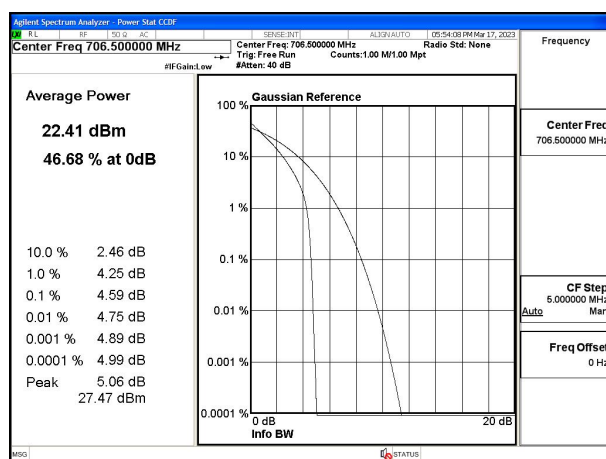


Fig.4