

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	23.94
QPSK	706.5	23755	5	1	12	24.14
QPSK	706.5	23755	5	1	24	23.90
QPSK	706.5	23755	5	12	0	23.12
QPSK	706.5	23755	5	12	7	23.13
QPSK	706.5	23755	5	12	13	22.99
QPSK	706.5	23755	5	25	0	23.10
QPSK	710	23790	5	1	0	23.96
QPSK	710	23790	5	1	12	23.95
QPSK	710	23790	5	1	24	23.88
QPSK	710	23790	5	12	0	22.96
QPSK	710	23790	5	12	7	23.08
QPSK	710	23790	5	12	13	23.10
QPSK	710	23790	5	25	0	23.04
QPSK	713.5	23825	5	1	0	23.84
QPSK	713.5	23825	5	1	12	24.13
QPSK	713.5	23825	5	1	24	23.66
QPSK	713.5	23825	5	12	0	22.78
QPSK	713.5	23825	5	12	7	23.01
QPSK	713.5	23825	5	12	13	22.84
QPSK	713.5	23825	5	25	0	22.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	23.20
16QAM	706.5	23755	5	1	12	23.63
16QAM	706.5	23755	5	1	24	23.19
16QAM	706.5	23755	5	12	0	22.17
16QAM	706.5	23755	5	12	7	22.12
16QAM	706.5	23755	5	12	13	22.10
16QAM	706.5	23755	5	25	0	22.16
16QAM	710	23790	5	1	0	23.11
16QAM	710	23790	5	1	12	22.90
16QAM	710	23790	5	1	24	23.01
16QAM	710	23790	5	12	0	22.02
16QAM	710	23790	5	12	7	22.22
16QAM	710	23790	5	12	13	22.11
16QAM	710	23790	5	25	0	22.21
16QAM	713.5	23825	5	1	0	23.01
16QAM	713.5	23825	5	1	12	23.50
16QAM	713.5	23825	5	1	24	22.90
16QAM	713.5	23825	5	12	0	21.86
16QAM	713.5	23825	5	12	7	22.09
16QAM	713.5	23825	5	12	13	21.97
16QAM	713.5	23825	5	25	0	21.84
64QAM	706.5	23755	5	1	0	22.17
64QAM	706.5	23755	5	1	12	22.00
64QAM	706.5	23755	5	1	24	22.12
64QAM	706.5	23755	5	12	0	21.24
64QAM	706.5	23755	5	12	7	21.31
64QAM	706.5	23755	5	12	13	21.15
64QAM	706.5	23755	5	25	0	21.14
64QAM	710	23790	5	1	0	21.93
64QAM	710	23790	5	1	12	22.21
64QAM	710	23790	5	1	24	22.04
64QAM	710	23790	5	12	0	21.24
64QAM	710	23790	5	12	7	21.42
64QAM	710	23790	5	12	13	21.33
64QAM	710	23790	5	25	0	21.20
64QAM	713.5	23825	5	1	0	21.78
64QAM	713.5	23825	5	1	12	22.25
64QAM	713.5	23825	5	1	24	22.03
64QAM	713.5	23825	5	12	0	20.91
64QAM	713.5	23825	5	12	7	21.27
64QAM	713.5	23825	5	12	13	21.05
64QAM	713.5	23825	5	25	0	20.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	24.03
QPSK	709	23780	10	1	25	24.19
QPSK	709	23780	10	1	49	23.80
QPSK	709	23780	10	25	0	23.20
QPSK	709	23780	10	25	12	23.15
QPSK	709	23780	10	25	25	23.22
QPSK	709	23780	10	50	0	23.24
QPSK	710	23790	10	1	0	24.06
QPSK	710	23790	10	1	25	24.29
QPSK	710	23790	10	1	49	23.92
QPSK	710	23790	10	25	0	23.22
QPSK	710	23790	10	25	12	23.07
QPSK	710	23790	10	25	25	23.28
QPSK	710	23790	10	50	0	23.26
QPSK	711	23800	10	1	0	24.14
QPSK	711	23800	10	1	25	24.02
QPSK	711	23800	10	1	49	23.78
QPSK	711	23800	10	25	0	23.03
QPSK	711	23800	10	25	12	23.05
QPSK	711	23800	10	25	25	23.20
QPSK	711	23800	10	50	0	23.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	23.09
16QAM	709	23780	10	1	25	23.39
16QAM	709	23780	10	1	49	22.74
16QAM	709	23780	10	25	0	22.15
16QAM	709	23780	10	25	12	22.07
16QAM	709	23780	10	25	25	22.23
16QAM	709	23780	10	50	0	22.24
16QAM	710	23790	10	1	0	23.16
16QAM	710	23790	10	1	25	23.49
16QAM	710	23790	10	1	49	23.13
16QAM	710	23790	10	25	0	22.25
16QAM	710	23790	10	25	12	22.13
16QAM	710	23790	10	25	25	22.34
16QAM	710	23790	10	50	0	22.22
16QAM	711	23800	10	1	0	23.97
16QAM	711	23800	10	1	25	23.34
16QAM	711	23800	10	1	49	23.54
16QAM	711	23800	10	25	0	21.99
16QAM	711	23800	10	25	12	22.11
16QAM	711	23800	10	25	25	22.27
16QAM	711	23800	10	50	0	22.22
64QAM	709	23780	10	1	0	22.30
64QAM	709	23780	10	1	25	22.78
64QAM	709	23780	10	1	49	22.15
64QAM	709	23780	10	25	0	21.29
64QAM	709	23780	10	25	12	21.28
64QAM	709	23780	10	25	25	21.42
64QAM	709	23780	10	50	0	21.38
64QAM	710	23790	10	1	0	22.36
64QAM	710	23790	10	1	25	22.52
64QAM	710	23790	10	1	49	21.93
64QAM	710	23790	10	25	0	21.38
64QAM	710	23790	10	25	12	21.22
64QAM	710	23790	10	25	25	21.44
64QAM	710	23790	10	50	0	21.32
64QAM	711	23800	10	1	0	21.79
64QAM	711	23800	10	1	25	22.27
64QAM	711	23800	10	1	49	22.02
64QAM	711	23800	10	25	0	21.07
64QAM	711	23800	10	25	12	21.16
64QAM	711	23800	10	25	25	21.24
64QAM	711	23800	10	50	0	21.24

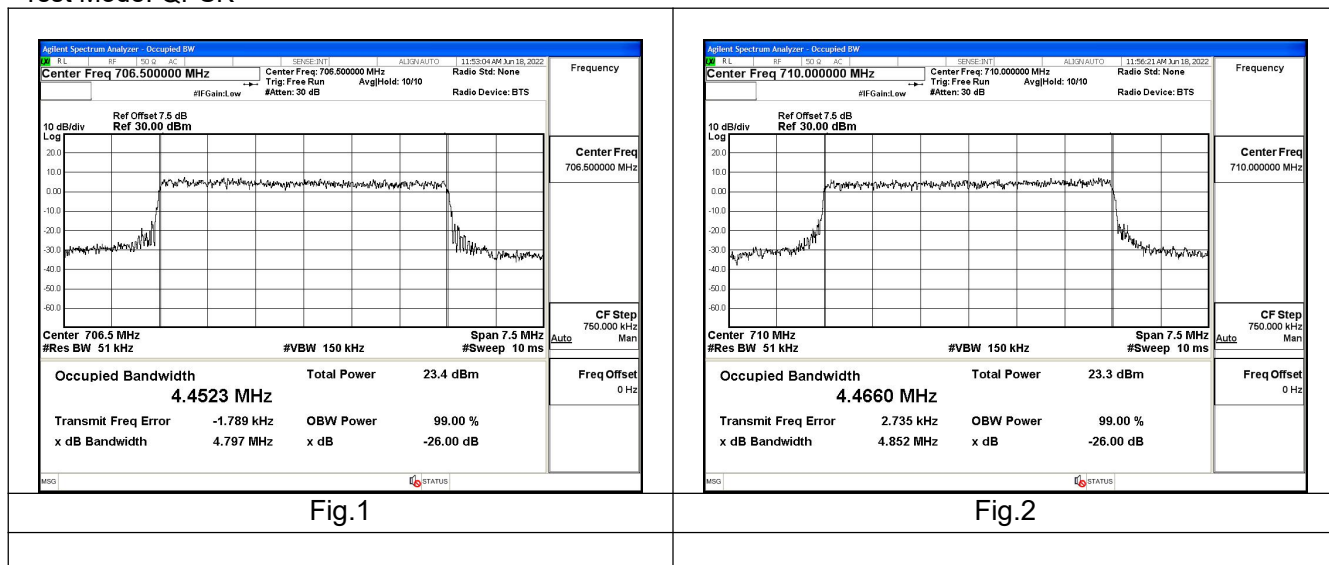
2 Occupied Bandwidth

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	4.450	Fig.1
17	QPSK	710	23790	5	25	0	4.470	Fig.2
17	QPSK	713.5	23825	5	25	0	4.460	Fig.3
17	QPSK	709	23780	10	50	0	8.940	Fig.4
17	QPSK	710	23790	10	50	0	8.930	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	4.470	Fig.7
17	16QAM	710	23790	5	25	0	4.460	Fig.8
17	16QAM	713.5	23825	5	25	0	4.460	Fig.9
17	16QAM	709	23780	10	50	0	8.940	Fig.10
17	16QAM	710	23790	10	50	0	8.930	Fig.11
17	16QAM	711	23800	10	50	0	8.930	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	4.470	Fig.13
17	64QAM	710	23790	5	25	0	4.480	Fig.14
17	64QAM	713.5	23825	5	25	0	4.470	Fig.15
17	64QAM	709	23780	10	50	0	8.940	Fig.16
17	64QAM	710	23790	10	50	0	8.950	Fig.17
17	64QAM	711	23800	10	50	0	8.940	Fig.18

Test Mode: QPSK



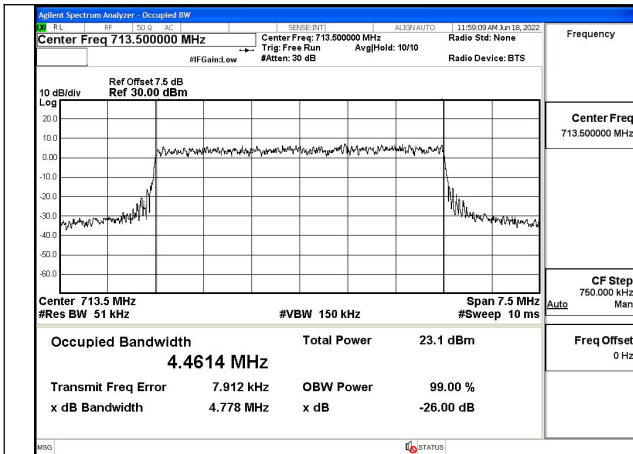


Fig.3

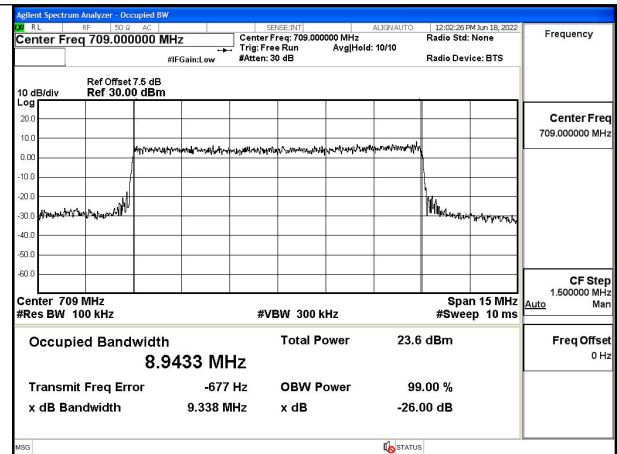


Fig.4

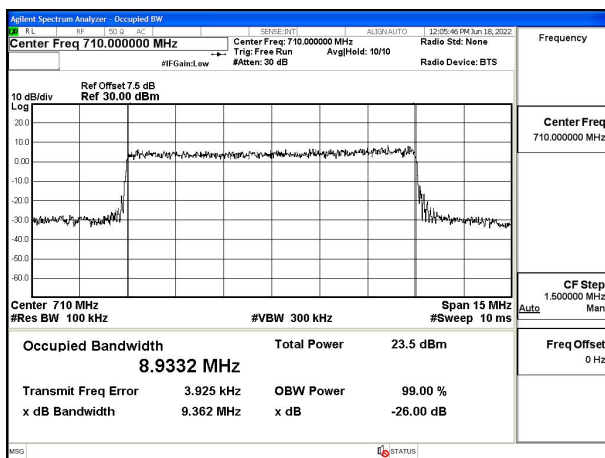


Fig.5

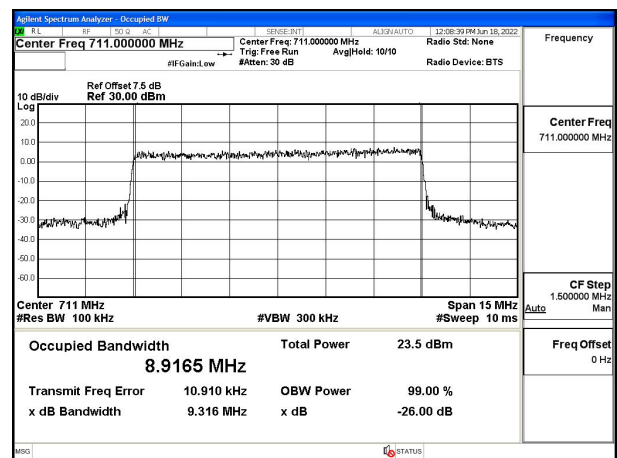


Fig.6

Test Mode: 16QAM

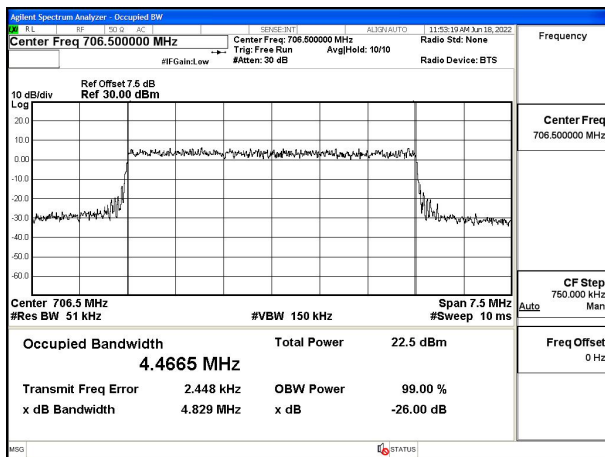


Fig.7

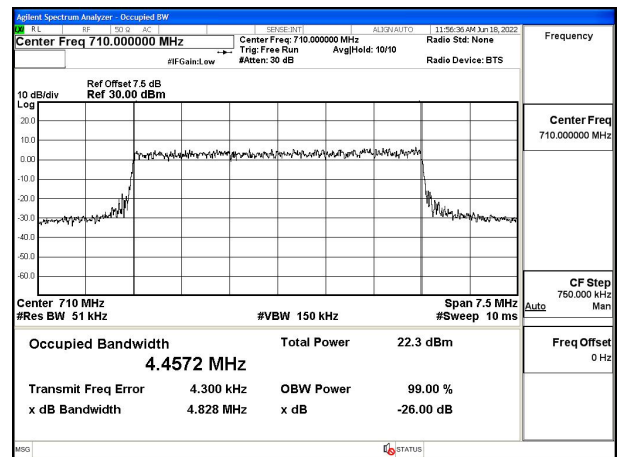


Fig.8

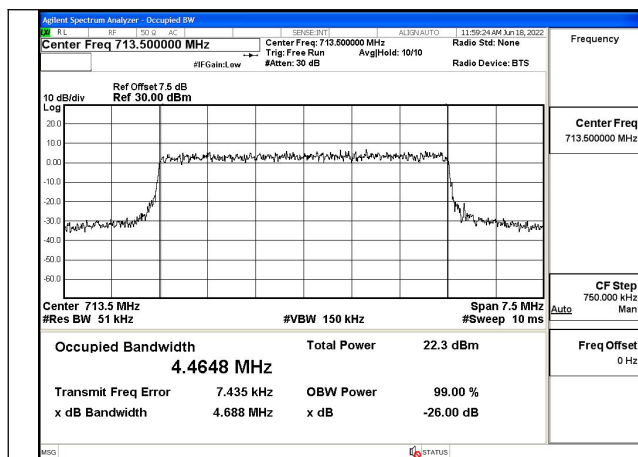


Fig.9

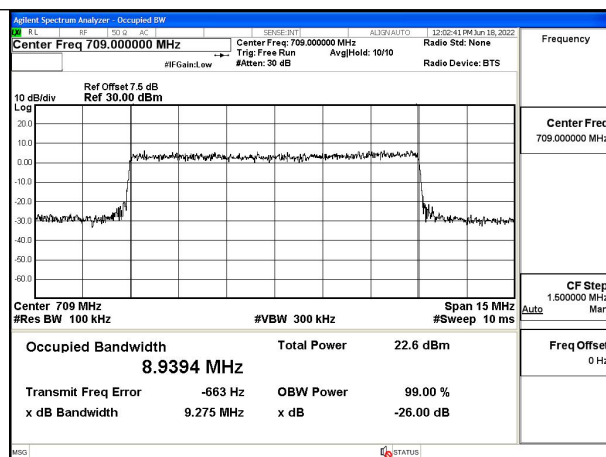


Fig.10

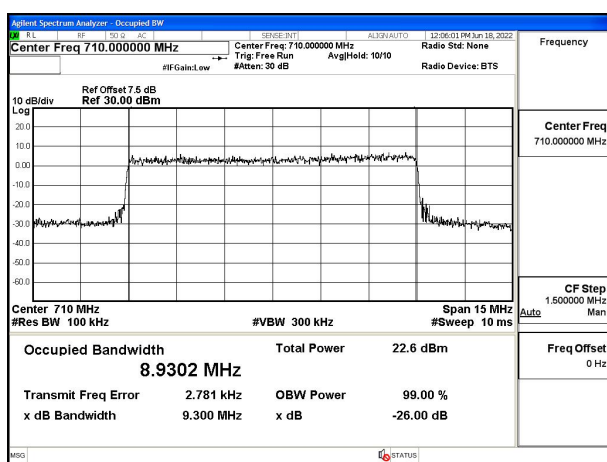


Fig.11

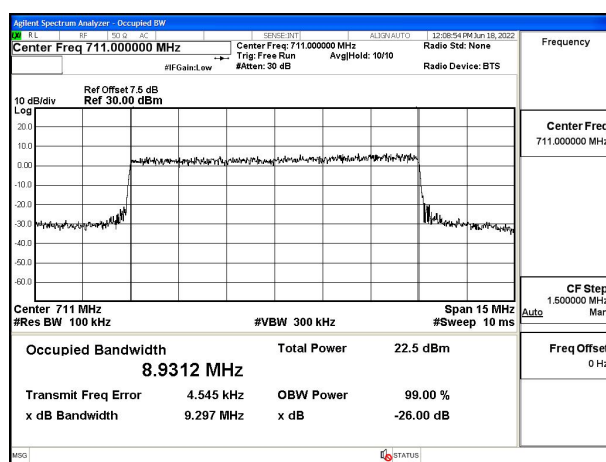


Fig.12

Test Mode: 64QAM

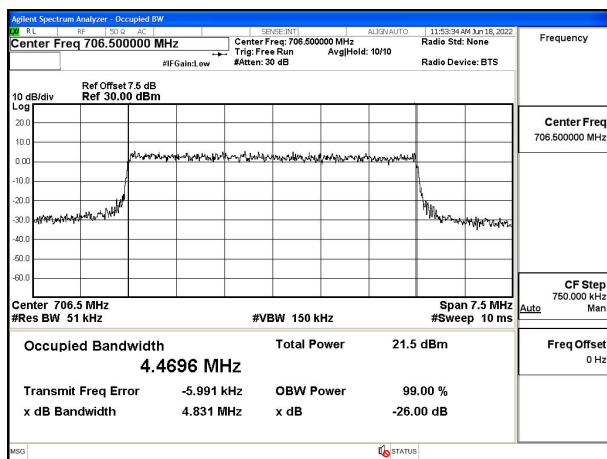


Fig.13

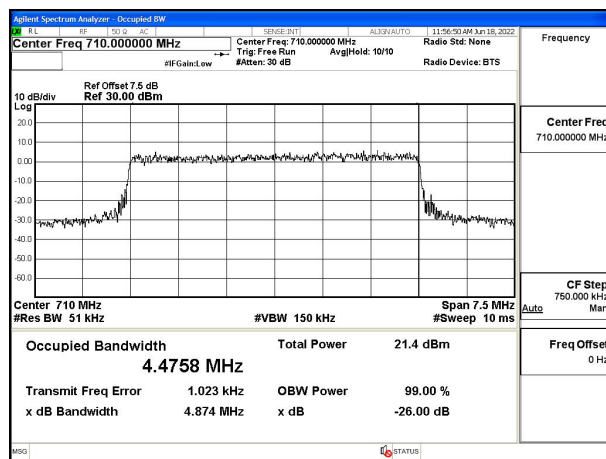


Fig.14

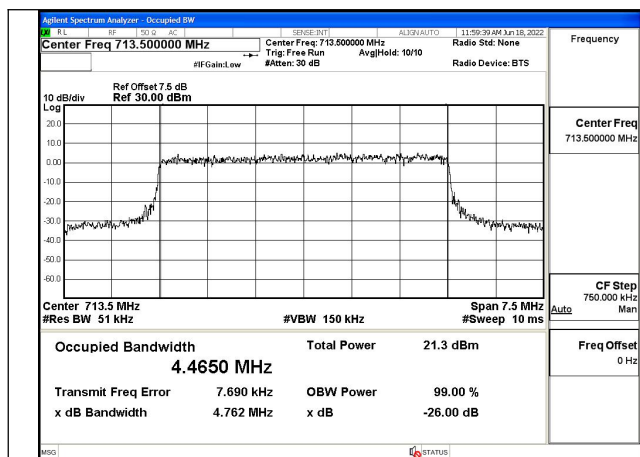


Fig.15

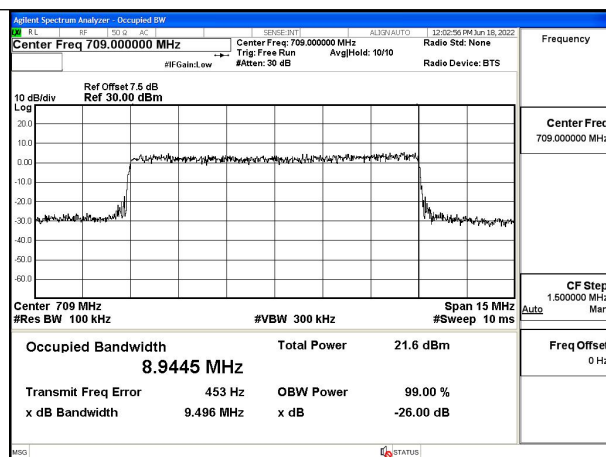


Fig.16

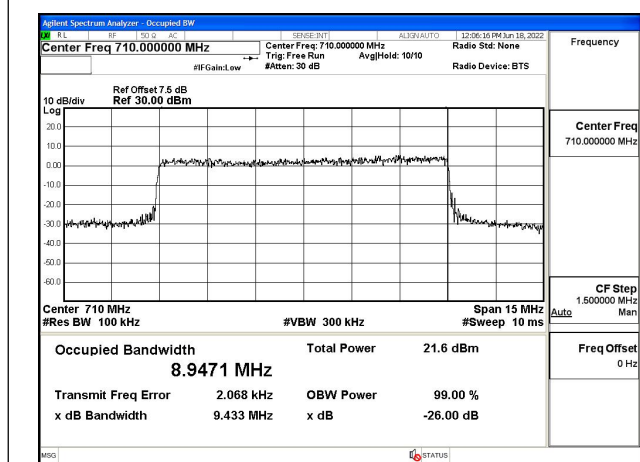


Fig.17

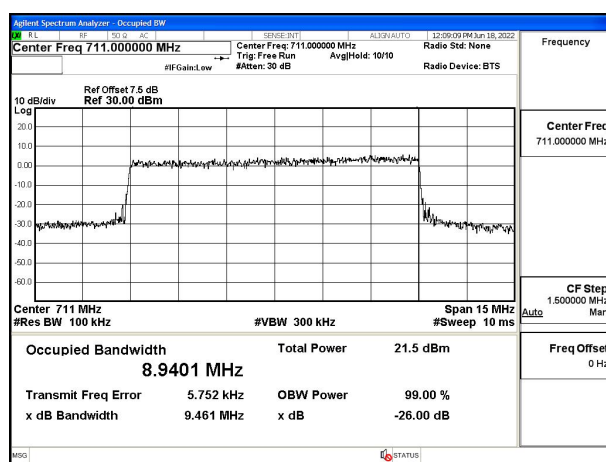


Fig.18

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	4.800	Fig.1
17	QPSK	710	23790	5	25	0	4.850	Fig.2
17	QPSK	713.5	23825	5	25	0	4.780	Fig.3
17	QPSK	709	23780	10	50	0	9.340	Fig.4
17	QPSK	710	23790	10	50	0	9.360	Fig.5
17	QPSK	711	23800	10	50	0	9.320	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	4.830	Fig.7
17	16QAM	710	23790	5	25	0	4.830	Fig.8
17	16QAM	713.5	23825	5	25	0	4.690	Fig.9
17	16QAM	709	23780	10	50	0	9.270	Fig.10
17	16QAM	710	23790	10	50	0	9.300	Fig.11
17	16QAM	711	23800	10	50	0	9.300	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	4.830	Fig.13
17	64QAM	710	23790	5	25	0	4.870	Fig.14
17	64QAM	713.5	23825	5	25	0	4.760	Fig.15
17	64QAM	709	23780	10	50	0	9.500	Fig.16
17	64QAM	710	23790	10	50	0	9.430	Fig.17
17	64QAM	711	23800	10	50	0	9.460	Fig.18

Test Mode: QPSK

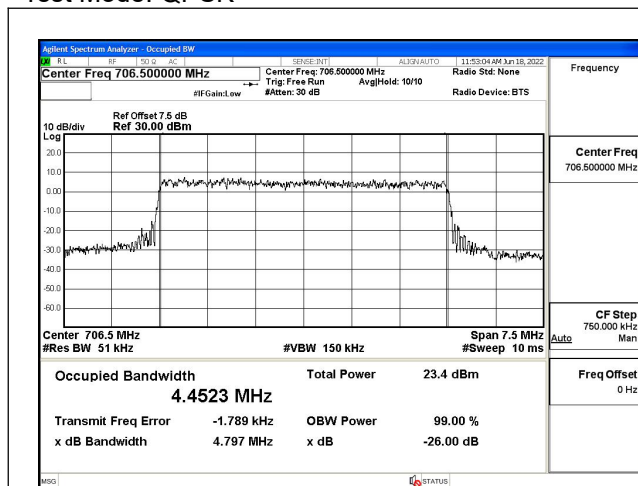


Fig.1

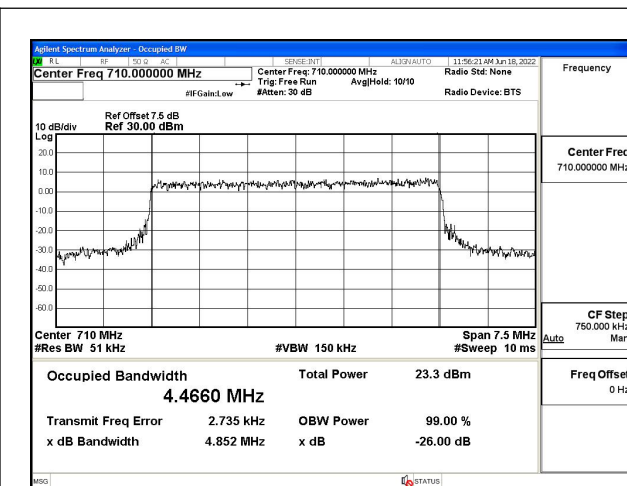


Fig.2

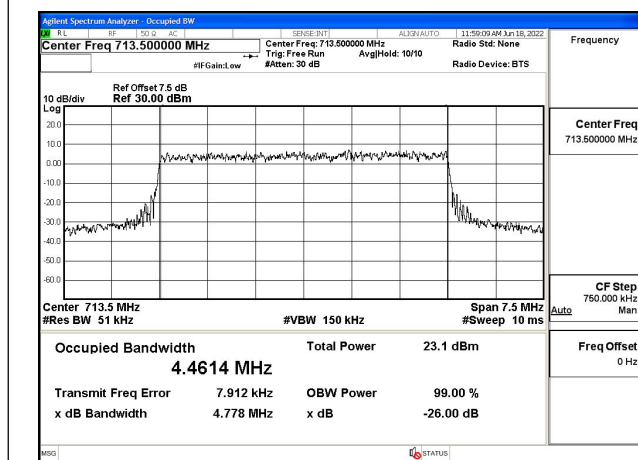


Fig.3

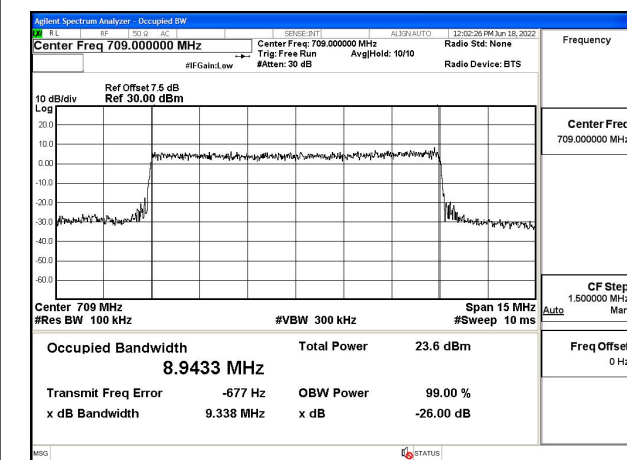


Fig.4

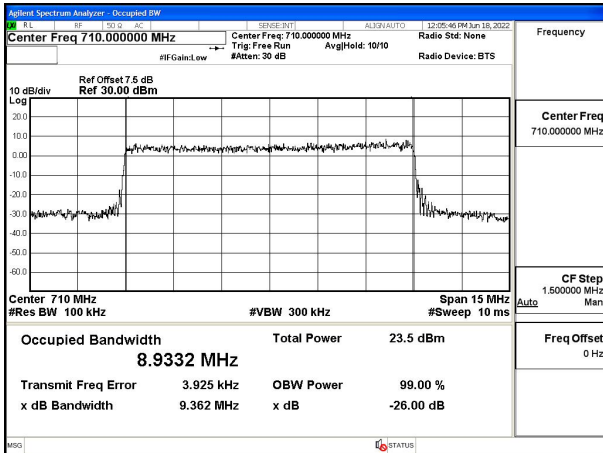


Fig.5

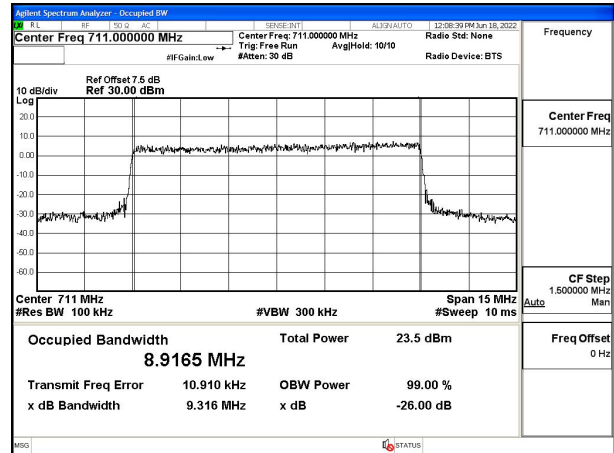


Fig.6

Test Mode: 16QAM

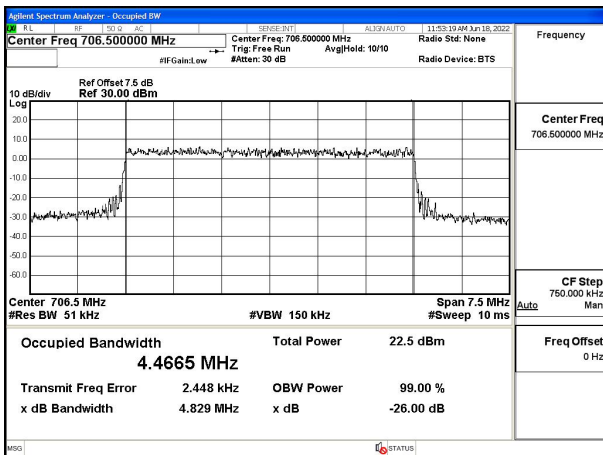


Fig.7

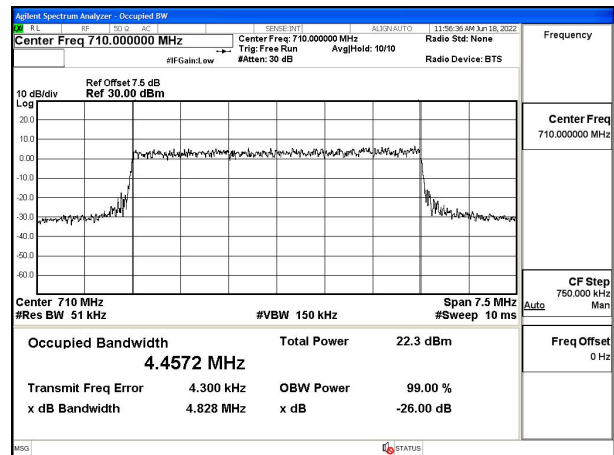


Fig.8

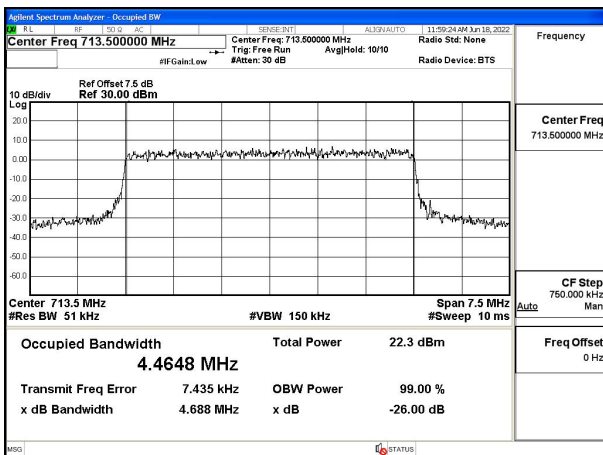


Fig.9

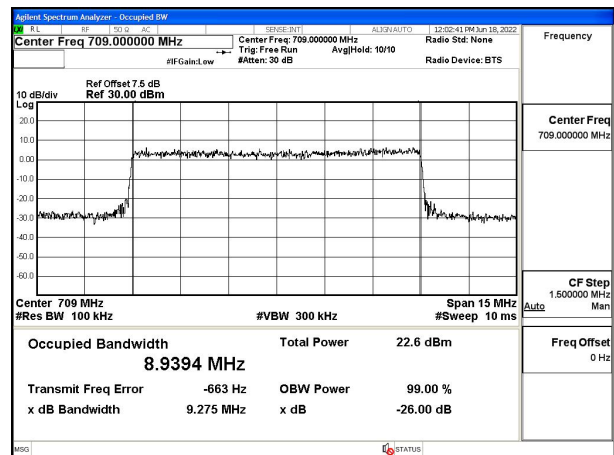


Fig.10

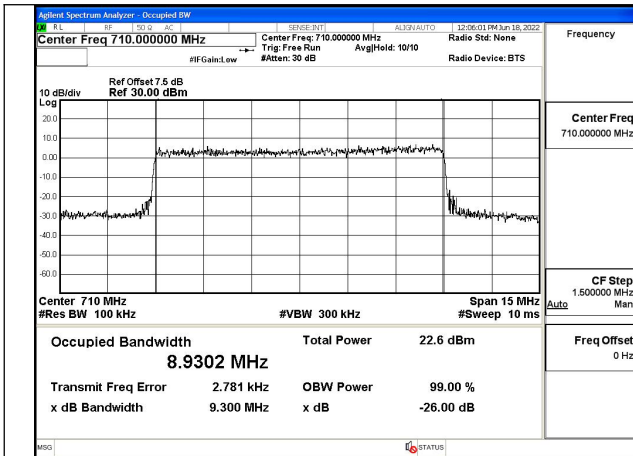


Fig.11

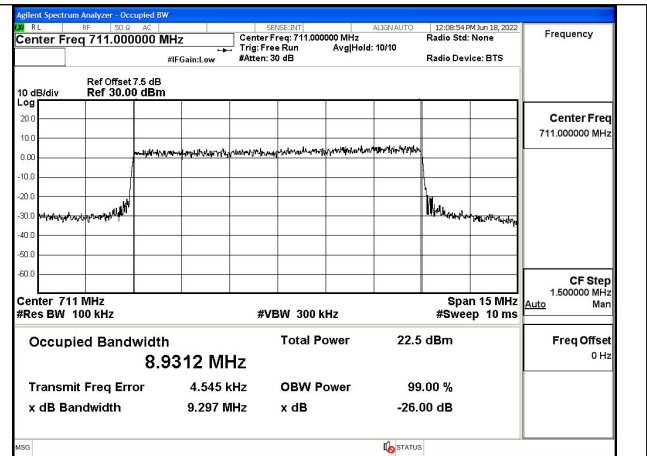


Fig.12

Test Mode: 64QAM

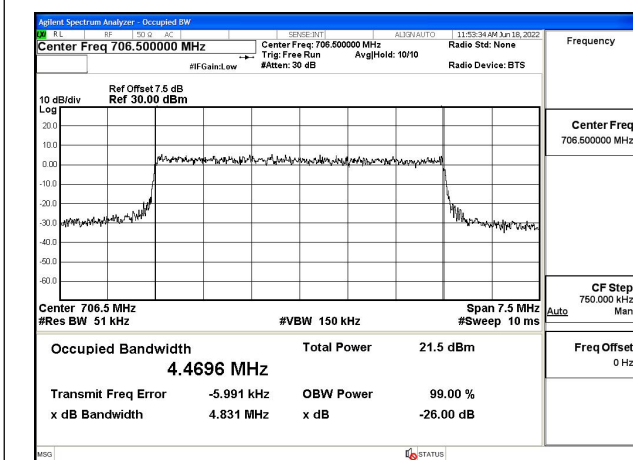


Fig.13

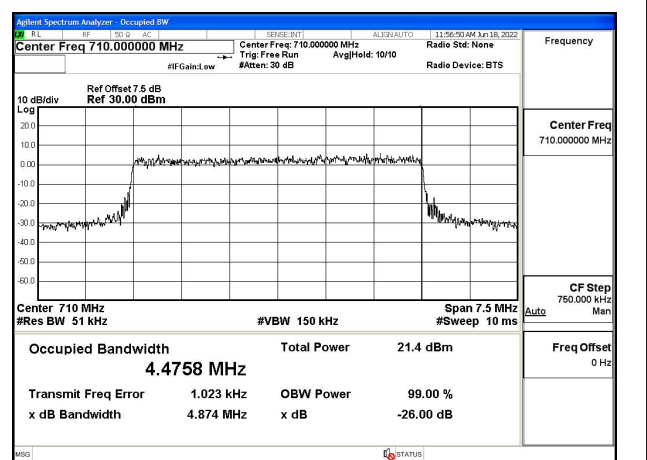


Fig.14

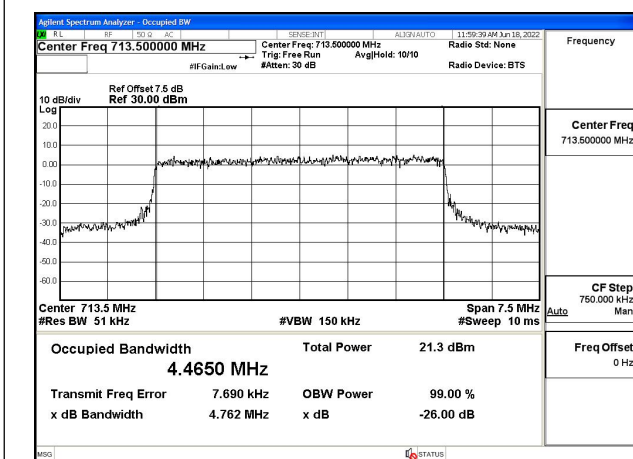


Fig.15

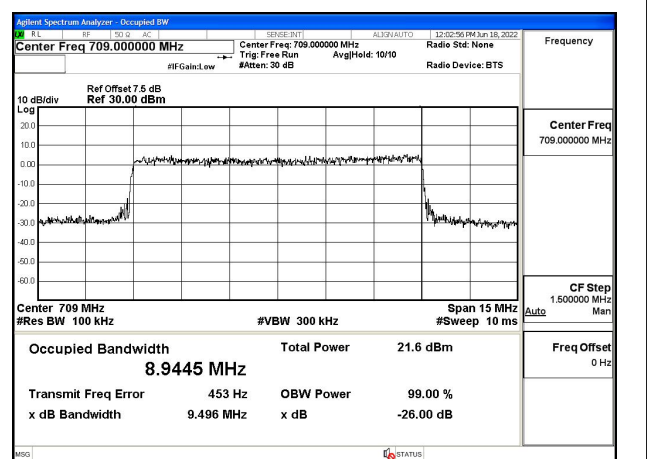


Fig.16

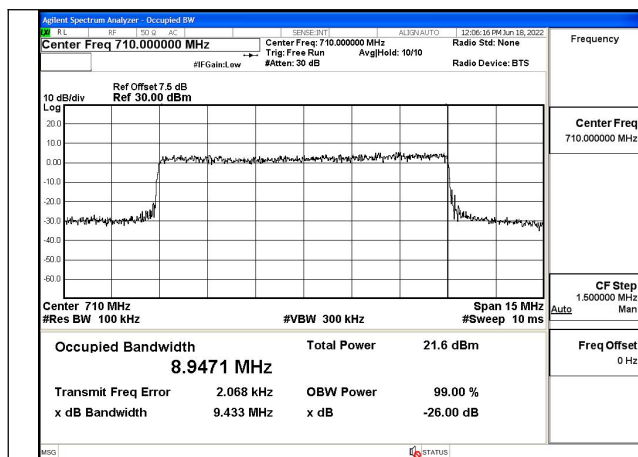


Fig.17

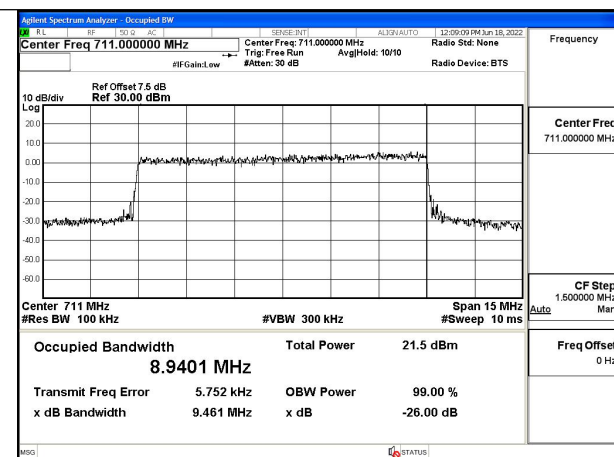


Fig.18

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

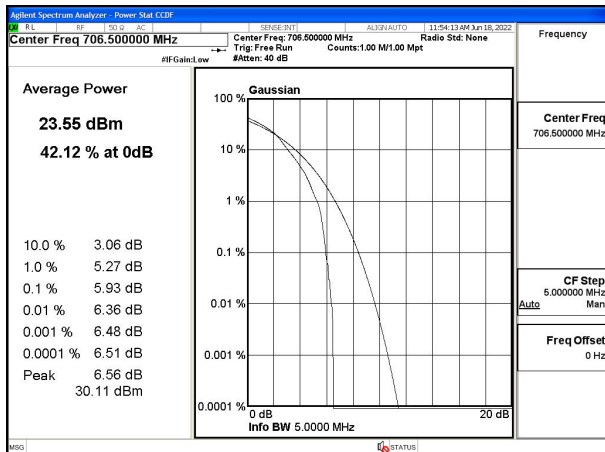


Fig.1

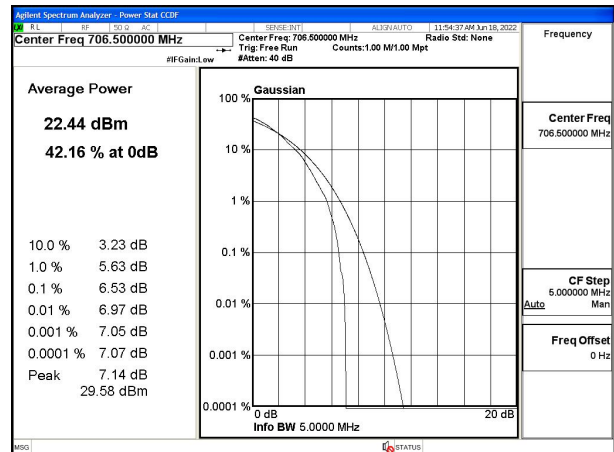


Fig.2

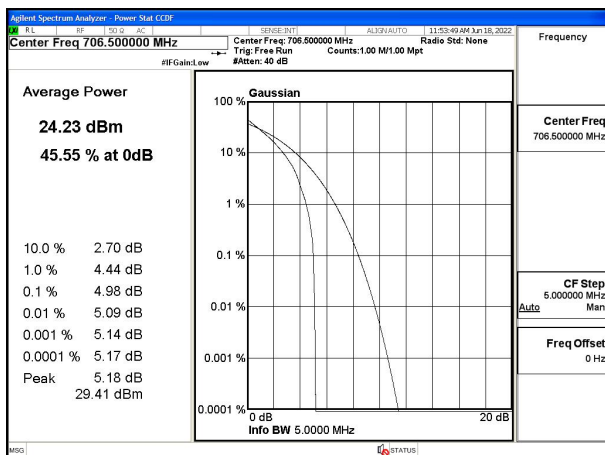


Fig.3

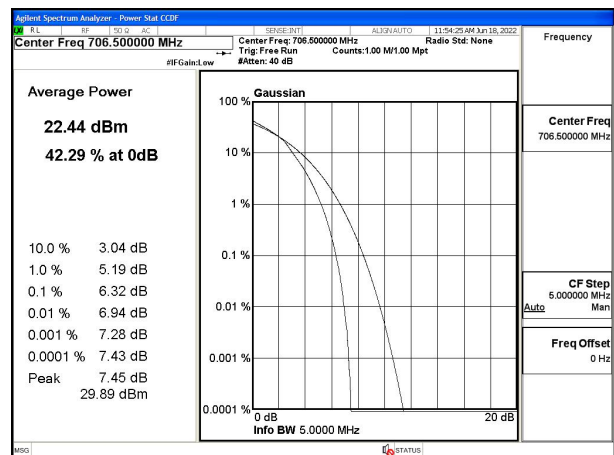


Fig.4

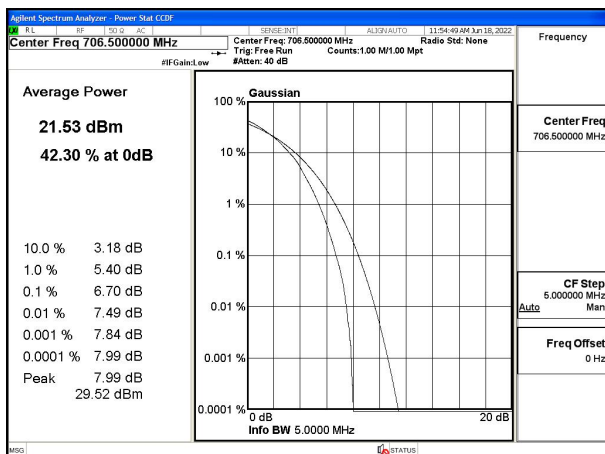


Fig.5

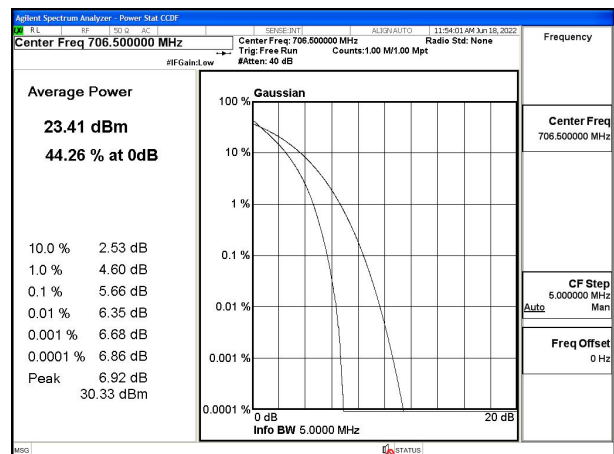


Fig.6

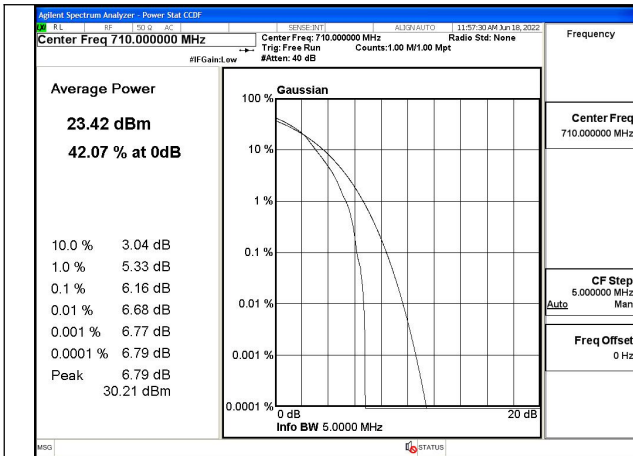


Fig.7

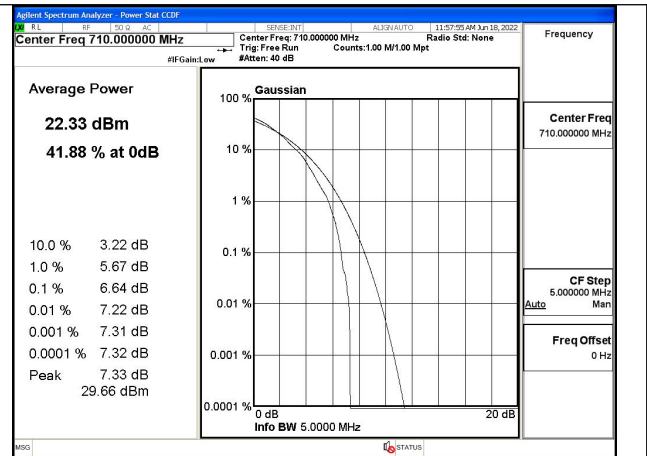


Fig.8

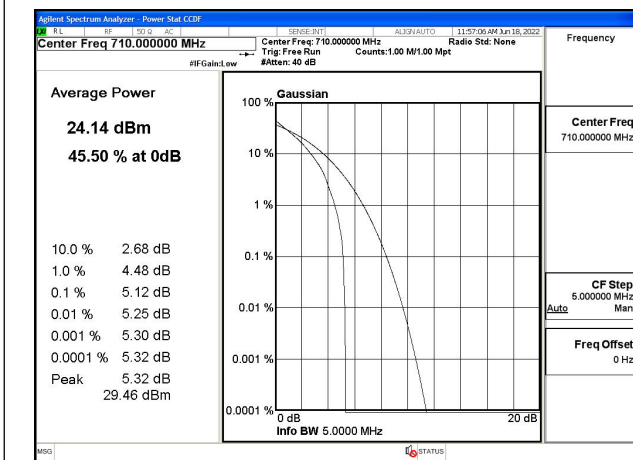


Fig.9

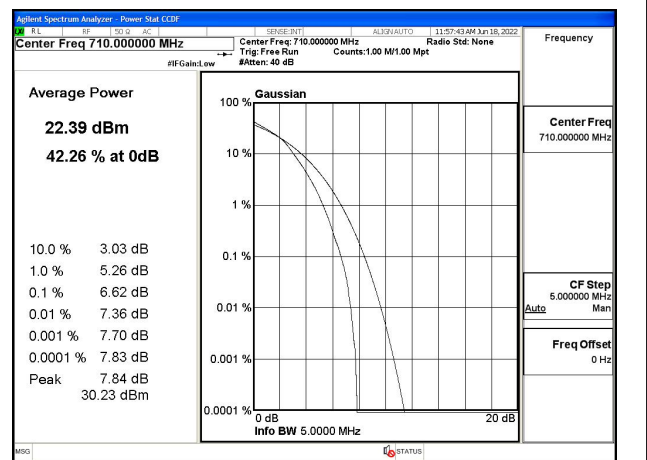


Fig.10

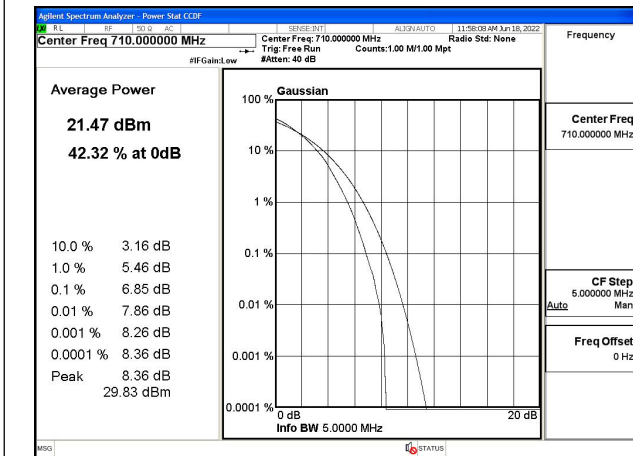


Fig.11

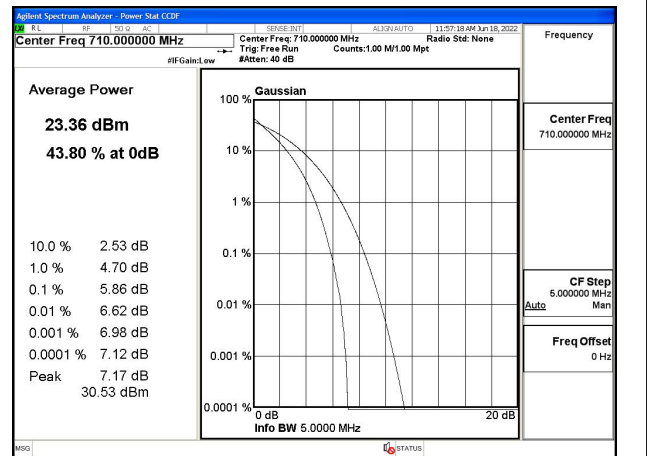


Fig.12