

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	23.66
QPSK	706.5	23755	5	1	12	23.36
QPSK	706.5	23755	5	1	24	23.33
QPSK	706.5	23755	5	12	0	22.39
QPSK	706.5	23755	5	12	7	22.47
QPSK	706.5	23755	5	12	13	22.51
QPSK	706.5	23755	5	25	0	22.45
QPSK	710	23790	5	1	0	23.49
QPSK	710	23790	5	1	12	23.34
QPSK	710	23790	5	1	24	23.63
QPSK	710	23790	5	12	0	22.65
QPSK	710	23790	5	12	7	22.63
QPSK	710	23790	5	12	13	22.55
QPSK	710	23790	5	25	0	22.26
QPSK	713.5	23825	5	1	0	24.05
QPSK	713.5	23825	5	1	12	23.89
QPSK	713.5	23825	5	1	24	23.63
QPSK	713.5	23825	5	12	0	22.48
QPSK	713.5	23825	5	12	7	22.42
QPSK	713.5	23825	5	12	13	22.68
QPSK	713.5	23825	5	25	0	22.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	23.27
16QAM	706.5	23755	5	1	12	23.10
16QAM	706.5	23755	5	1	24	22.90
16QAM	706.5	23755	5	12	0	21.77
16QAM	706.5	23755	5	12	7	21.77
16QAM	706.5	23755	5	12	13	21.66
16QAM	706.5	23755	5	25	0	21.62
16QAM	710	23790	5	1	0	23.25
16QAM	710	23790	5	1	12	22.64
16QAM	710	23790	5	1	24	22.85
16QAM	710	23790	5	12	0	21.60
16QAM	710	23790	5	12	7	21.65
16QAM	710	23790	5	12	13	21.69
16QAM	710	23790	5	25	0	21.68
16QAM	713.5	23825	5	1	0	22.80
16QAM	713.5	23825	5	1	12	23.33
16QAM	713.5	23825	5	1	24	22.74

16QAM	713.5	23825	5	12	0	21.59
16QAM	713.5	23825	5	12	7	21.68
16QAM	713.5	23825	5	12	13	21.57
16QAM	713.5	23825	5	25	0	21.62
64QAM	706.5	23755	5	1	0	21.66
64QAM	706.5	23755	5	1	12	21.60
64QAM	706.5	23755	5	1	24	21.50
64QAM	706.5	23755	5	12	0	20.23
64QAM	706.5	23755	5	12	7	20.21
64QAM	706.5	23755	5	12	13	20.03
64QAM	706.5	23755	5	25	0	20.11
64QAM	710	23790	5	1	0	21.28
64QAM	710	23790	5	1	12	22.37
64QAM	710	23790	5	1	24	21.63
64QAM	710	23790	5	12	0	20.25
64QAM	710	23790	5	12	7	20.35
64QAM	710	23790	5	12	13	20.18
64QAM	710	23790	5	25	0	20.33
64QAM	713.5	23825	5	1	0	22.24
64QAM	713.5	23825	5	1	12	21.54
64QAM	713.5	23825	5	1	24	22.23
64QAM	713.5	23825	5	12	0	20.52
64QAM	713.5	23825	5	12	7	20.37
64QAM	713.5	23825	5	12	13	20.32
64QAM	713.5	23825	5	25	0	20.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.88
QPSK	709	23780	10	1	25	23.76
QPSK	709	23780	10	1	49	23.85
QPSK	709	23780	10	25	0	22.45
QPSK	709	23780	10	25	12	22.22
QPSK	709	23780	10	25	25	22.41
QPSK	709	23780	10	50	0	22.30
QPSK	710	23790	10	1	0	23.89
QPSK	710	23790	10	1	25	23.65
QPSK	710	23790	10	1	49	23.65
QPSK	710	23790	10	25	0	22.52
QPSK	710	23790	10	25	12	22.26
QPSK	710	23790	10	25	25	22.60
QPSK	710	23790	10	50	0	22.31
QPSK	711	23800	10	1	0	23.50
QPSK	711	23800	10	1	25	23.47
QPSK	711	23800	10	1	49	23.56
QPSK	711	23800	10	25	0	22.57

QPSK	711	23800	10	25	12	22.46
QPSK	711	23800	10	25	25	22.58
QPSK	711	23800	10	50	0	22.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.78
16QAM	709	23780	10	1	25	23.01
16QAM	709	23780	10	1	49	22.78
16QAM	709	23780	10	25	0	21.74
16QAM	709	23780	10	25	12	21.58
16QAM	709	23780	10	25	25	21.65
16QAM	709	23780	10	50	0	21.75
16QAM	710	23790	10	1	0	22.94
16QAM	710	23790	10	1	25	23.24
16QAM	710	23790	10	1	49	23.22
16QAM	710	23790	10	25	0	21.83
16QAM	710	23790	10	25	12	21.74
16QAM	710	23790	10	25	25	21.79
16QAM	710	23790	10	50	0	21.60
16QAM	711	23800	10	1	0	23.02
16QAM	711	23800	10	1	25	22.51
16QAM	711	23800	10	1	49	23.31
16QAM	711	23800	10	25	0	21.82
16QAM	711	23800	10	25	12	21.70
16QAM	711	23800	10	25	25	21.84
16QAM	711	23800	10	50	0	21.59
64QAM	709	23780	10	1	0	21.69
64QAM	709	23780	10	1	25	21.64
64QAM	709	23780	10	1	49	21.77
64QAM	709	23780	10	25	0	19.90
64QAM	709	23780	10	25	12	19.99
64QAM	709	23780	10	25	25	20.23
64QAM	709	23780	10	50	0	20.18
64QAM	710	23790	10	1	0	21.98
64QAM	710	23790	10	1	25	22.25
64QAM	710	23790	10	1	49	22.34
64QAM	710	23790	10	25	0	20.40
64QAM	710	23790	10	25	12	20.32
64QAM	710	23790	10	25	25	20.47
64QAM	710	23790	10	50	0	20.61
64QAM	711	23800	10	1	0	21.73
64QAM	711	23800	10	1	25	22.10
64QAM	711	23800	10	1	49	22.05
64QAM	711	23800	10	25	0	20.44
64QAM	711	23800	10	25	12	20.35

64QAM	711	23800	10	25	25	20.21
64QAM	711	23800	10	50	0	20.87

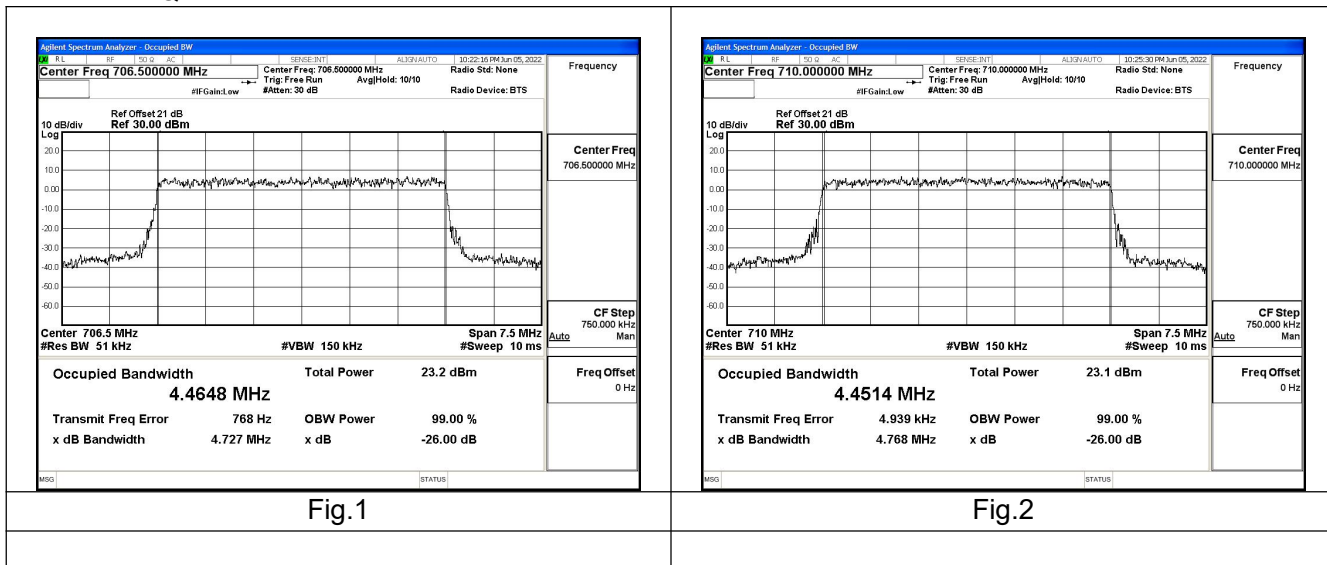
2 Occupied Bandwidth

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	4.460
17	QPSK	710	23790	5	25	0	4.450
17	QPSK	713.5	23825	5	25	0	4.470
17	QPSK	709	23780	10	50	0	8.900
17	QPSK	710	23790	10	50	0	8.890
17	QPSK	711	23800	10	50	0	8.900

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	4.460
17	16QAM	710	23790	5	25	0	4.450
17	16QAM	713.5	23825	5	25	0	4.450
17	16QAM	709	23780	10	50	0	8.910
17	16QAM	710	23790	10	50	0	8.900
17	16QAM	711	23800	10	50	0	8.910

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	4.460
17	64QAM	710	23790	5	25	0	4.450
17	64QAM	713.5	23825	5	25	0	4.470
17	64QAM	709	23780	10	50	0	8.910
17	64QAM	710	23790	10	50	0	8.910
17	64QAM	711	23800	10	50	0	8.910

Test Mode: QPSK



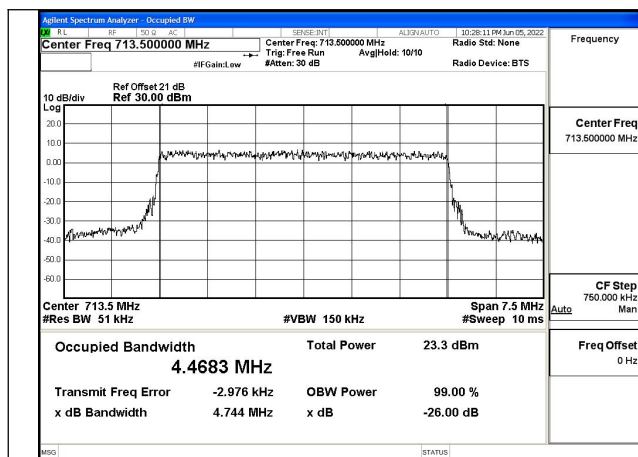


Fig.3

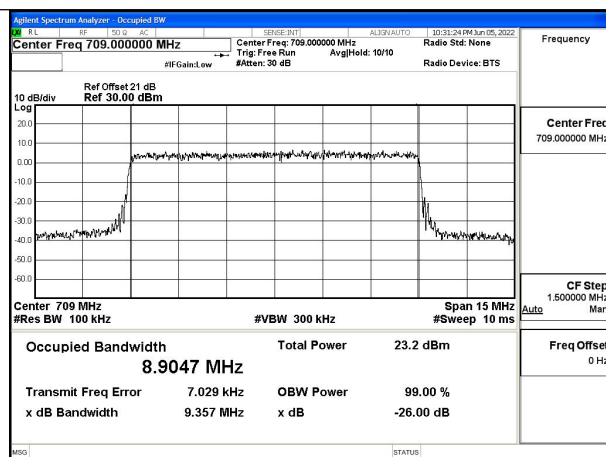


Fig.4

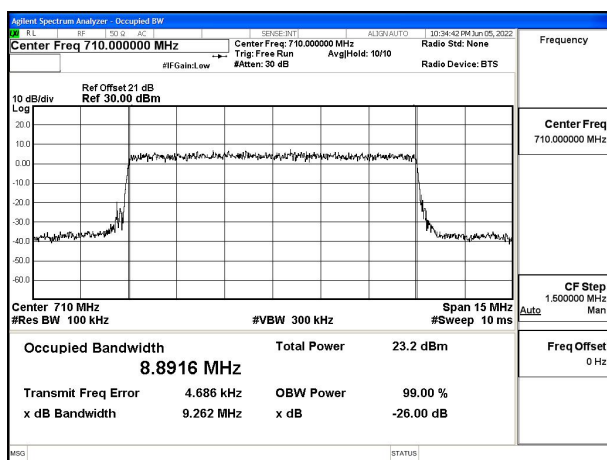


Fig.5

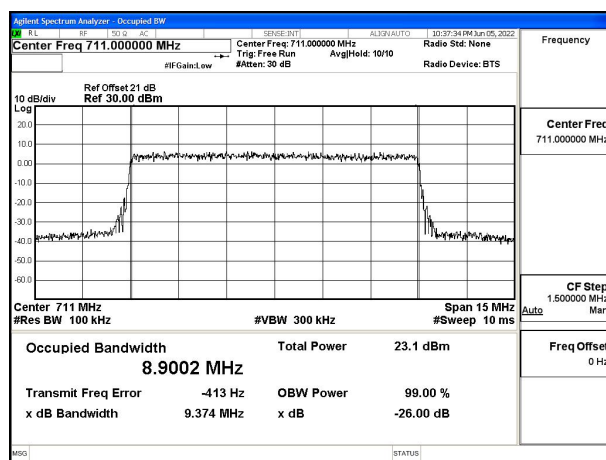


Fig.6

Test Mode: 16QAM

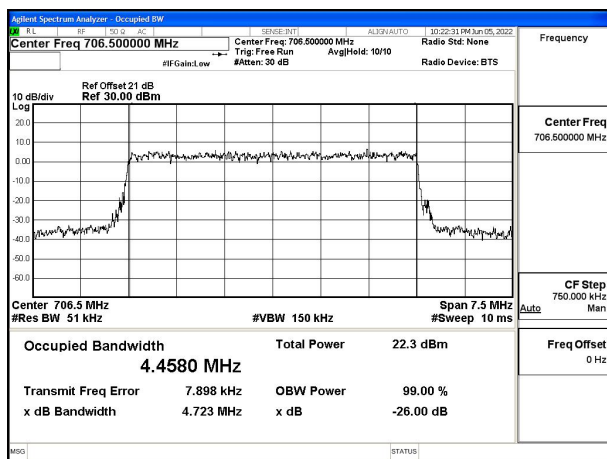


Fig.7

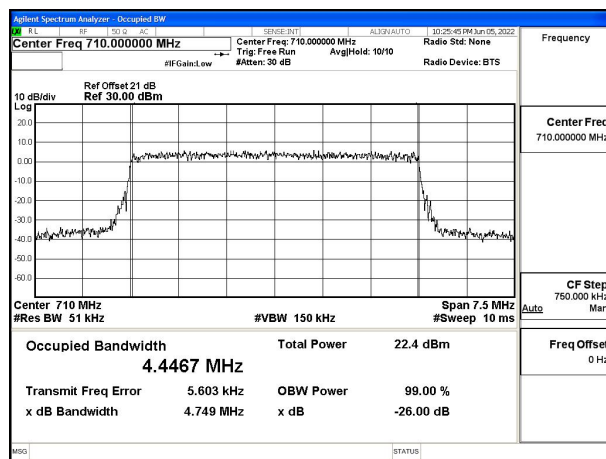


Fig.8

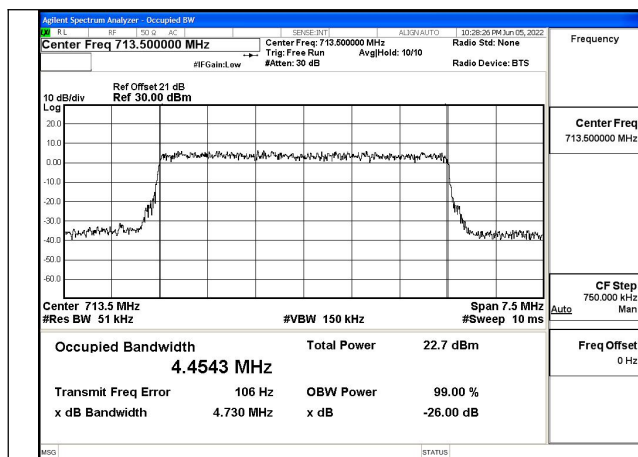


Fig.9

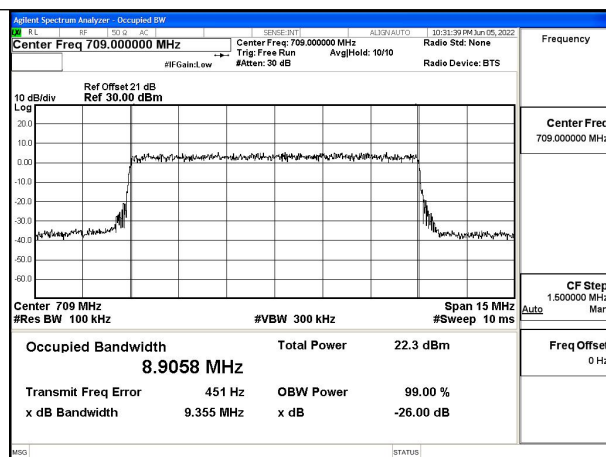


Fig.10

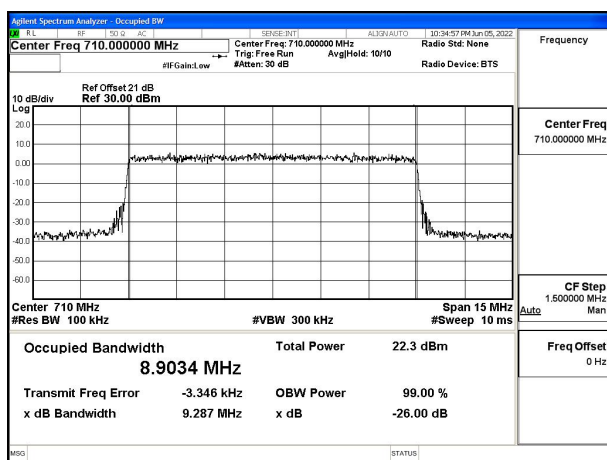


Fig.11

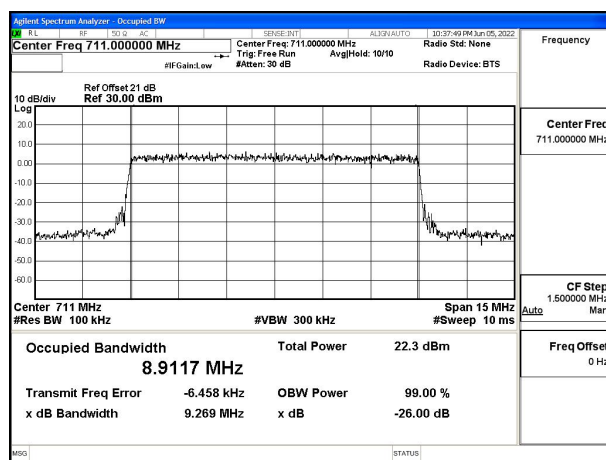


Fig.12

Test Mode: 64QAM

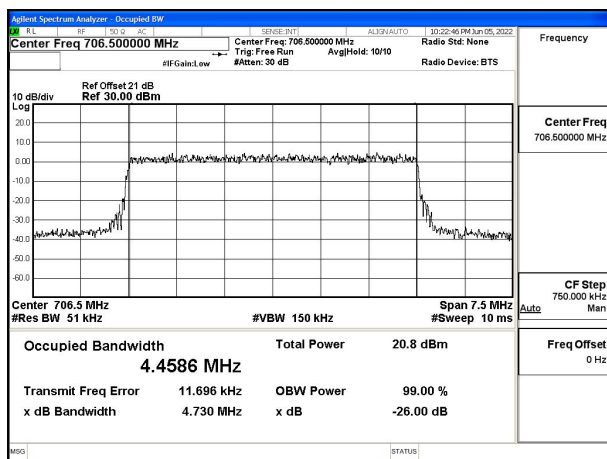


Fig.13

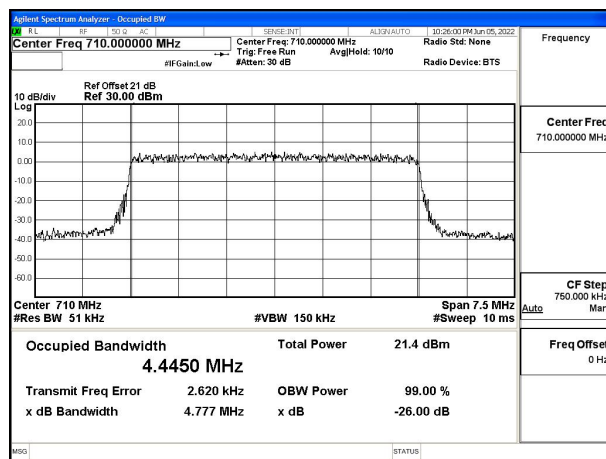


Fig.14

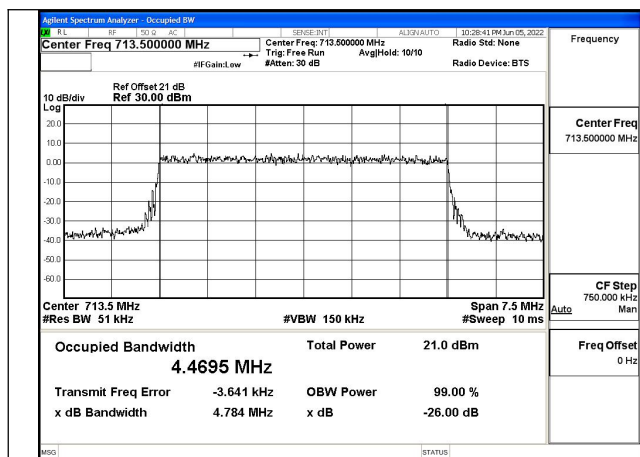


Fig.15

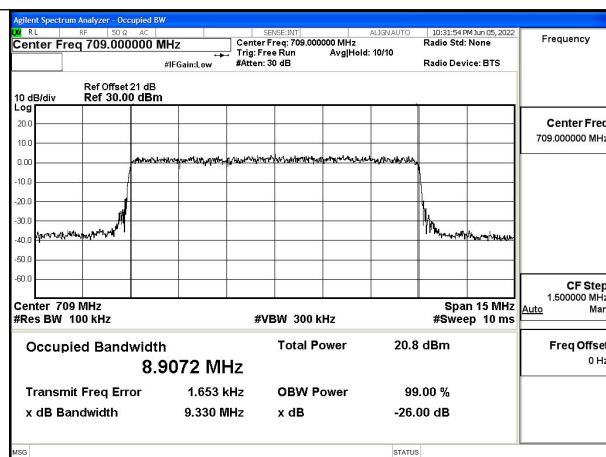


Fig.16

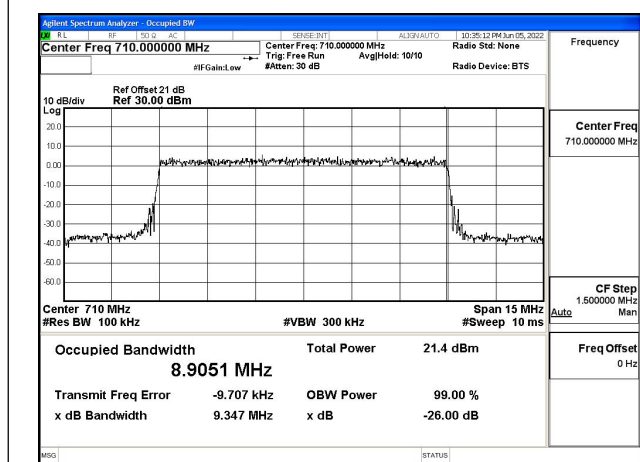


Fig.17

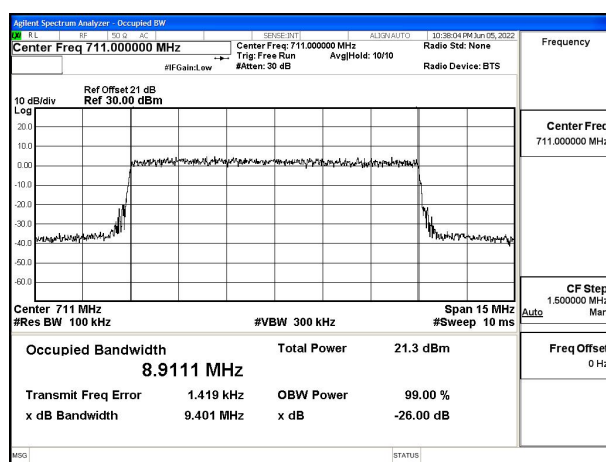


Fig.18

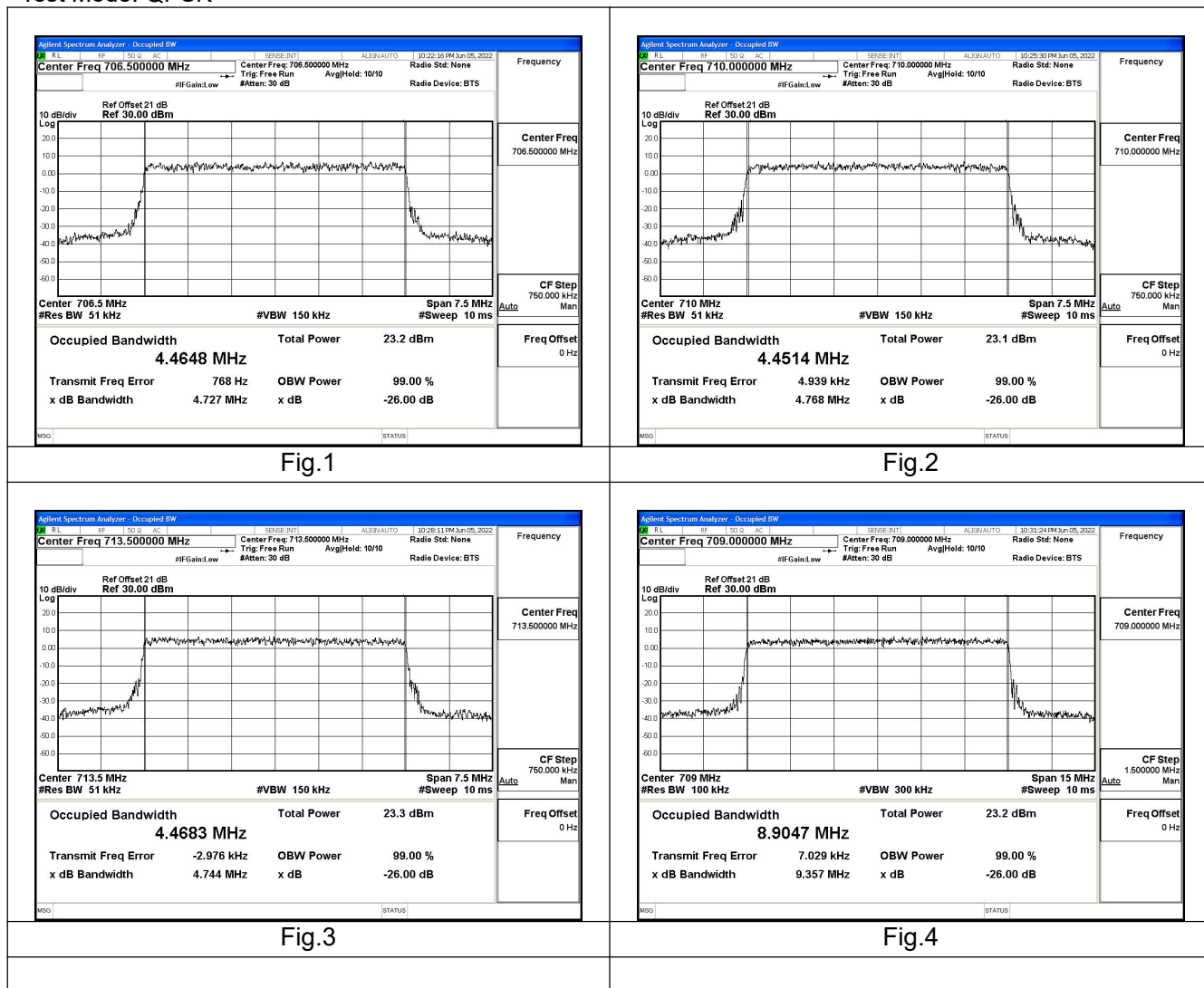
3 Emission Bandwidth

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	4.730	Fig.1
17	QPSK	710	23790	5	25	0	4.770	Fig.2
17	QPSK	713.5	23825	5	25	0	4.740	Fig.3
17	QPSK	709	23780	10	50	0	9.360	Fig.4
17	QPSK	710	23790	10	50	0	9.260	Fig.5
17	QPSK	711	23800	10	50	0	9.370	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	4.720	Fig.7
17	16QAM	710	23790	5	25	0	4.750	Fig.8
17	16QAM	713.5	23825	5	25	0	4.730	Fig.9
17	16QAM	709	23780	10	50	0	9.360	Fig.10
17	16QAM	710	23790	10	50	0	9.290	Fig.11
17	16QAM	711	23800	10	50	0	9.270	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	4.730	Fig.13
17	64QAM	710	23790	5	25	0	4.780	Fig.14
17	64QAM	713.5	23825	5	25	0	4.780	Fig.15
17	64QAM	709	23780	10	50	0	9.330	Fig.16
17	64QAM	710	23790	10	50	0	9.350	Fig.17
17	64QAM	711	23800	10	50	0	9.400	Fig.18

Test Mode: QPSK



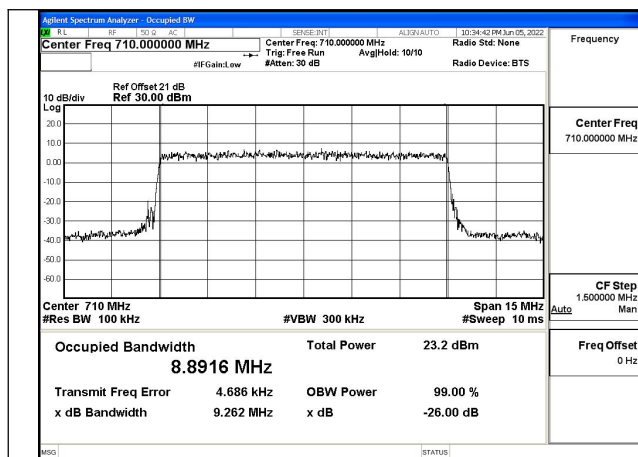


Fig.5

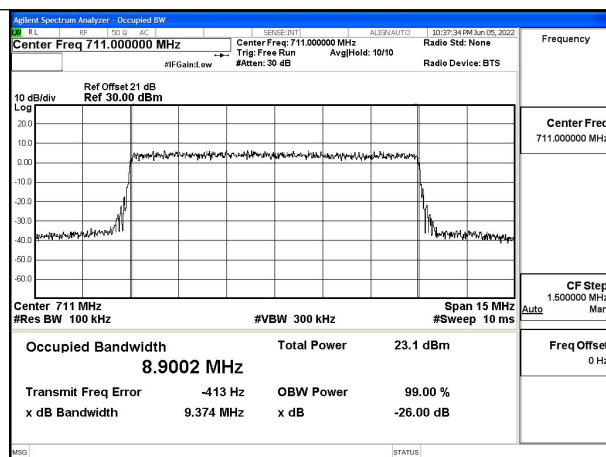


Fig.6

Test Mode: 16QAM

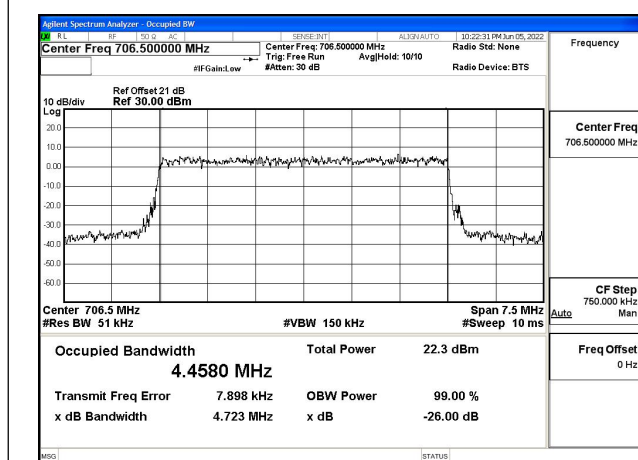


Fig.7

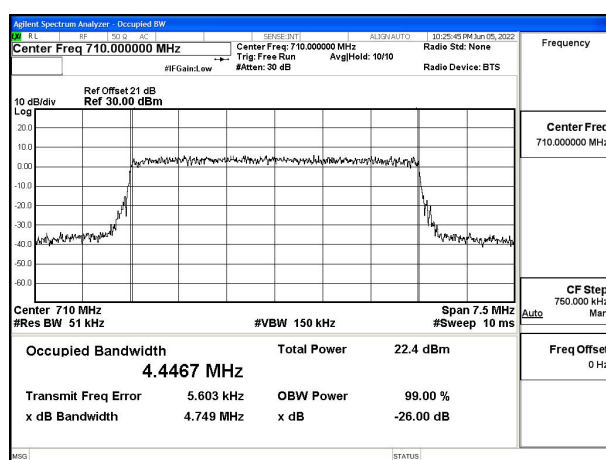


Fig.8

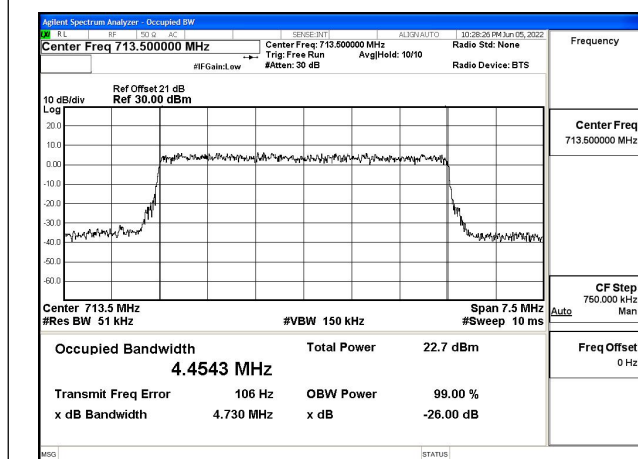


Fig.9

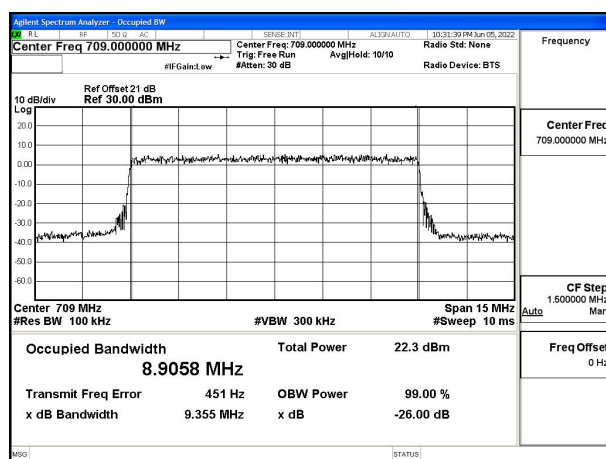


Fig.10

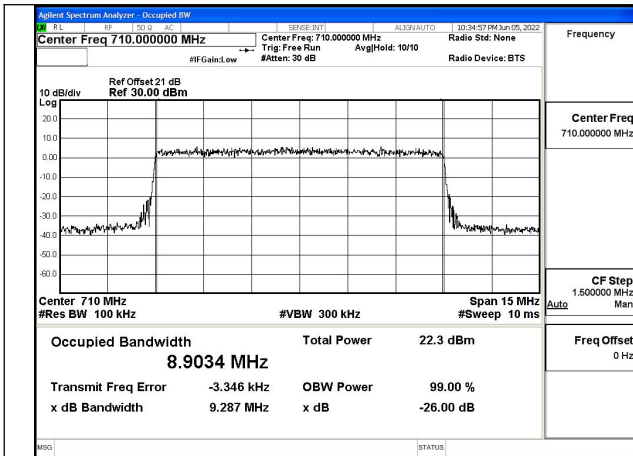


Fig.11

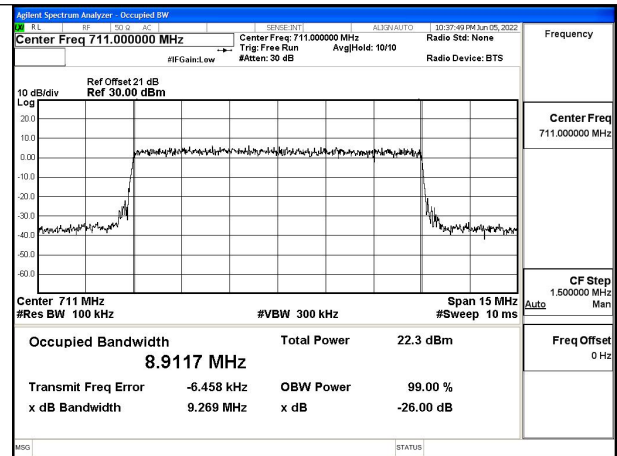


Fig.12

Test Mode: 64QAM

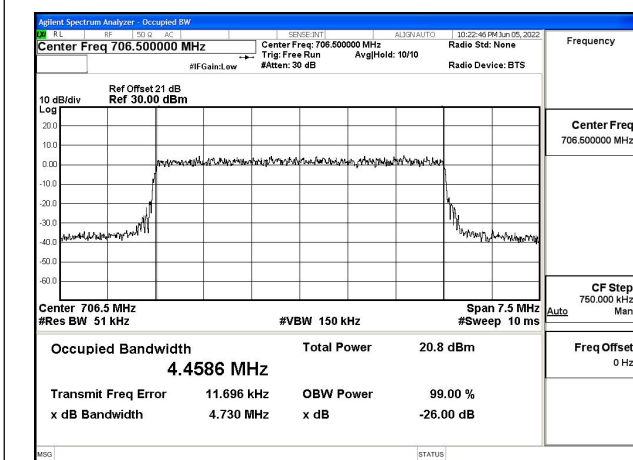


Fig.13

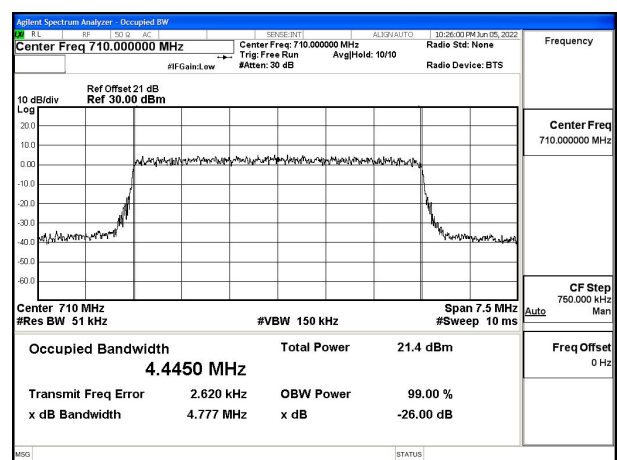


Fig.14

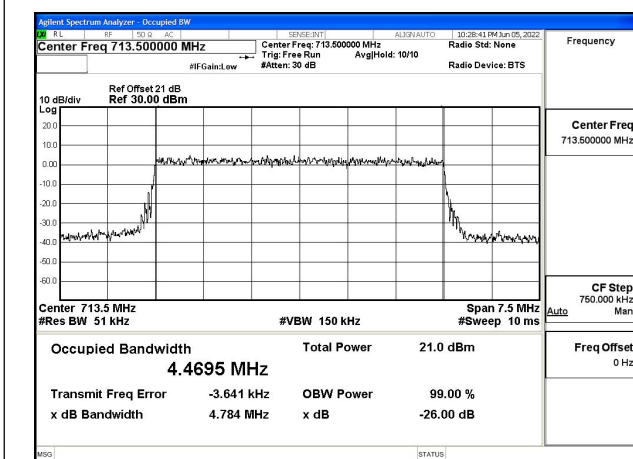


Fig.15

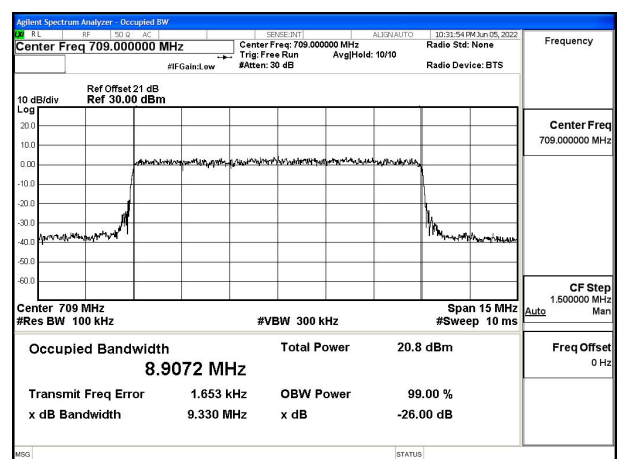


Fig.16

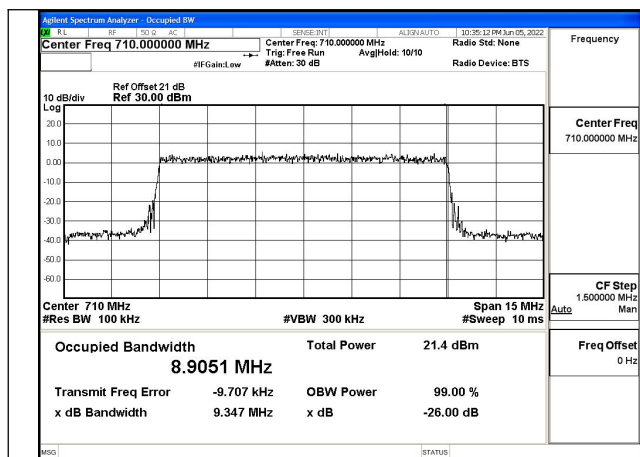


Fig.17

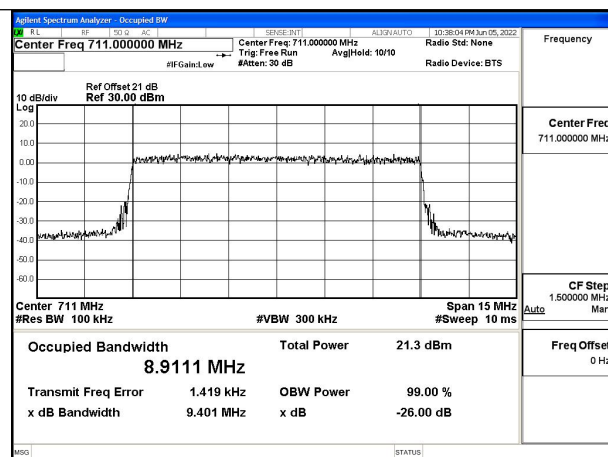


Fig.18

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

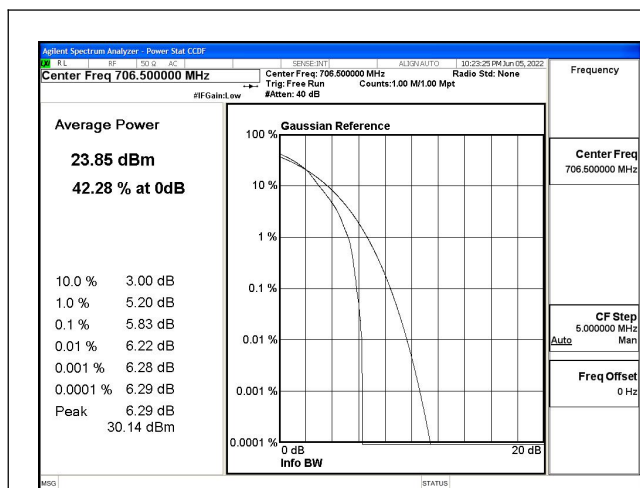


Fig.1

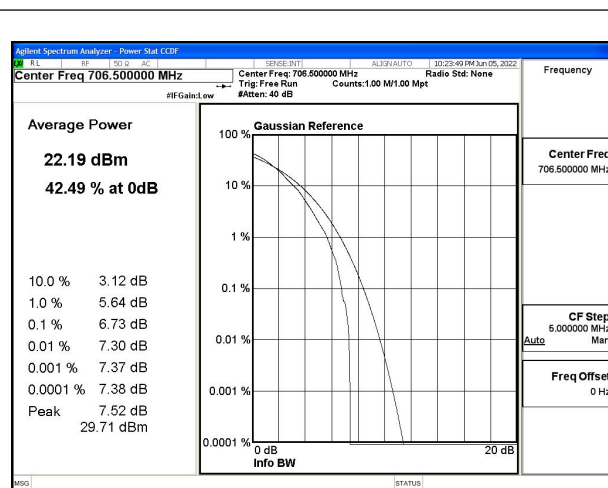


Fig.2

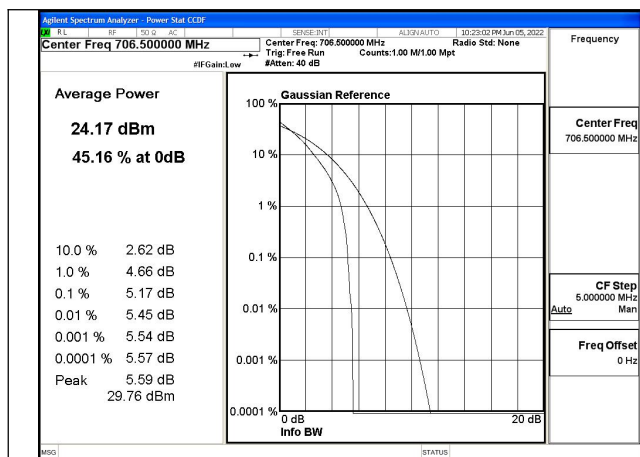


Fig.3

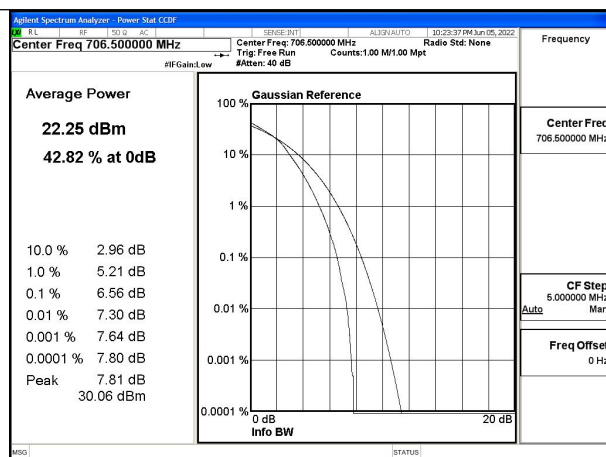


Fig.4

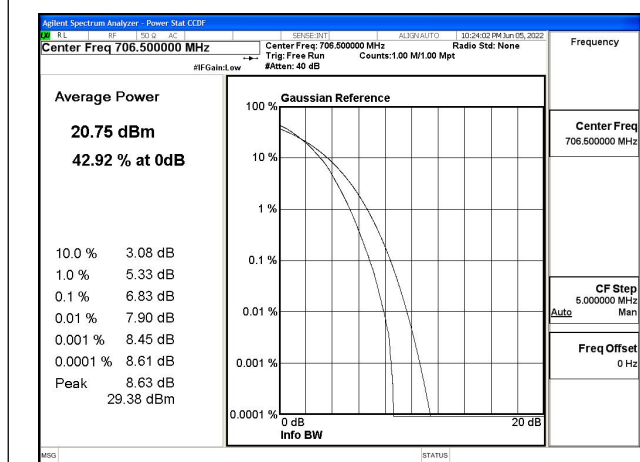


Fig.5

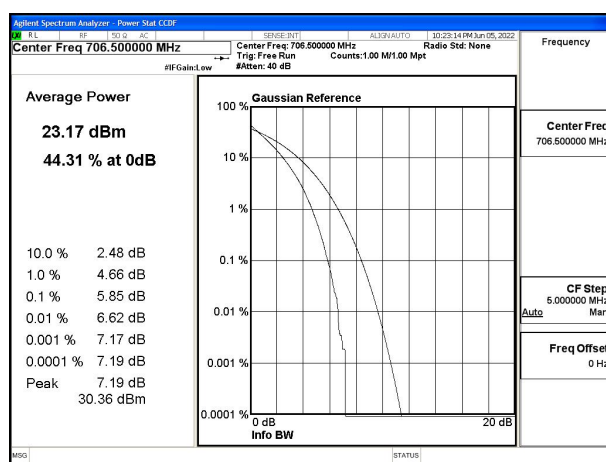


Fig.6

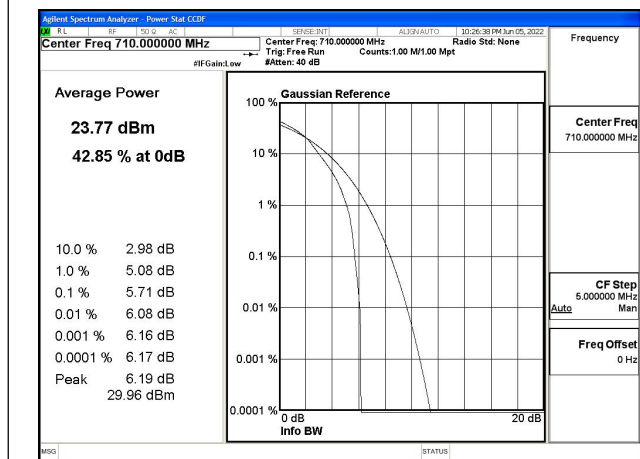


Fig.7

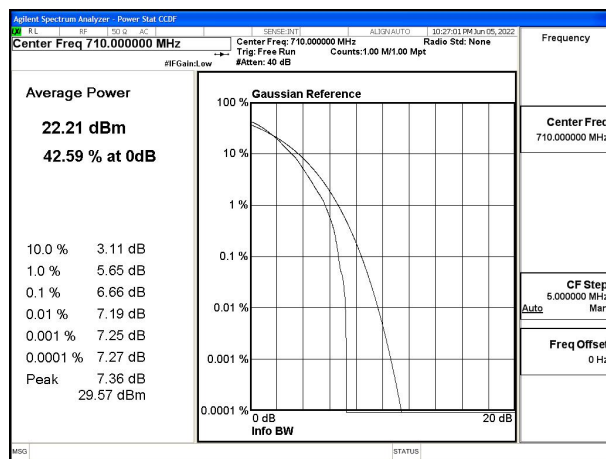


Fig.8