

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	23.48
QPSK	706.5	23755	5	1	12	23.30
QPSK	706.5	23755	5	1	24	23.32
QPSK	706.5	23755	5	12	0	22.81
QPSK	706.5	23755	5	12	7	22.81
QPSK	706.5	23755	5	12	13	22.72
QPSK	706.5	23755	5	25	0	22.75
QPSK	710	23790	5	1	0	23.51
QPSK	710	23790	5	1	12	23.54
QPSK	710	23790	5	1	24	23.49
QPSK	710	23790	5	12	0	22.76
QPSK	710	23790	5	12	7	22.72
QPSK	710	23790	5	12	13	22.70
QPSK	710	23790	5	25	0	22.64
QPSK	713.5	23825	5	1	0	23.58
QPSK	713.5	23825	5	1	12	23.32
QPSK	713.5	23825	5	1	24	23.29
QPSK	713.5	23825	5	12	0	22.74
QPSK	713.5	23825	5	12	7	22.78
QPSK	713.5	23825	5	12	13	22.67
QPSK	713.5	23825	5	25	0	22.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.91
16QAM	706.5	23755	5	1	12	22.58
16QAM	706.5	23755	5	1	24	22.90
16QAM	706.5	23755	5	12	0	21.71
16QAM	706.5	23755	5	12	7	21.82
16QAM	706.5	23755	5	12	13	21.72
16QAM	706.5	23755	5	25	0	21.77
16QAM	710	23790	5	1	0	23.25
16QAM	710	23790	5	1	12	23.12
16QAM	710	23790	5	1	24	23.15
16QAM	710	23790	5	12	0	21.74
16QAM	710	23790	5	12	7	21.72
16QAM	710	23790	5	12	13	21.72
16QAM	710	23790	5	25	0	21.69
16QAM	713.5	23825	5	1	0	23.12
16QAM	713.5	23825	5	1	12	23.01
16QAM	713.5	23825	5	1	24	22.95
16QAM	713.5	23825	5	12	0	21.71
16QAM	713.5	23825	5	12	7	21.72
16QAM	713.5	23825	5	12	13	21.70
16QAM	713.5	23825	5	25	0	21.71
64QAM	706.5	23755	5	1	0	21.73
64QAM	706.5	23755	5	1	12	21.81
64QAM	706.5	23755	5	1	24	21.72
64QAM	706.5	23755	5	12	0	20.75
64QAM	706.5	23755	5	12	7	20.89
64QAM	706.5	23755	5	12	13	20.89
64QAM	706.5	23755	5	25	0	20.77
64QAM	710	23790	5	1	0	22.13
64QAM	710	23790	5	1	12	21.99
64QAM	710	23790	5	1	24	22.05
64QAM	710	23790	5	12	0	20.85
64QAM	710	23790	5	12	7	20.68
64QAM	710	23790	5	12	13	20.73
64QAM	710	23790	5	25	0	20.78
64QAM	713.5	23825	5	1	0	22.01
64QAM	713.5	23825	5	1	12	21.89
64QAM	713.5	23825	5	1	24	21.93
64QAM	713.5	23825	5	12	0	20.85
64QAM	713.5	23825	5	12	7	20.75
64QAM	713.5	23825	5	12	13	20.70
64QAM	713.5	23825	5	25	0	20.68

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	22.88
QPSK	709	23780	10	1	25	22.79
QPSK	709	23780	10	1	49	22.87
QPSK	709	23780	10	25	0	22.19
QPSK	709	23780	10	25	12	22.09
QPSK	709	23780	10	25	25	22.11
QPSK	709	23780	10	50	0	22.13
QPSK	710	23790	10	1	0	23.51
QPSK	710	23790	10	1	25	23.34
QPSK	710	23790	10	1	49	23.51
QPSK	710	23790	10	25	0	22.73
QPSK	710	23790	10	25	12	22.70
QPSK	710	23790	10	25	25	22.73
QPSK	710	23790	10	50	0	22.78
QPSK	711	23800	10	1	0	23.44
QPSK	711	23800	10	1	25	23.46
QPSK	711	23800	10	1	49	23.52
QPSK	711	23800	10	25	0	22.65
QPSK	711	23800	10	25	12	22.71
QPSK	711	23800	10	25	25	22.86
QPSK	711	23800	10	50	0	22.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.88
16QAM	709	23780	10	1	25	23.16
16QAM	709	23780	10	1	49	23.00
16QAM	709	23780	10	25	0	21.23
16QAM	709	23780	10	25	12	21.27
16QAM	709	23780	10	25	25	21.15
16QAM	709	23780	10	50	0	21.13
16QAM	710	23790	10	1	0	22.93
16QAM	710	23790	10	1	25	22.83
16QAM	710	23790	10	1	49	22.84
16QAM	710	23790	10	25	0	21.79
16QAM	710	23790	10	25	12	21.80
16QAM	710	23790	10	25	25	21.76
16QAM	710	23790	10	50	0	21.85
16QAM	711	23800	10	1	0	22.99
16QAM	711	23800	10	1	25	22.94
16QAM	711	23800	10	1	49	22.91
16QAM	711	23800	10	25	0	21.80
16QAM	711	23800	10	25	12	21.79
16QAM	711	23800	10	25	25	21.64
16QAM	711	23800	10	50	0	21.72
64QAM	709	23780	10	1	0	22.18
64QAM	709	23780	10	1	25	22.15
64QAM	709	23780	10	1	49	22.17
64QAM	709	23780	10	25	0	20.88
64QAM	709	23780	10	25	12	20.96
64QAM	709	23780	10	25	25	20.87
64QAM	709	23780	10	50	0	20.92
64QAM	710	23790	10	1	0	22.01
64QAM	710	23790	10	1	25	22.04
64QAM	710	23790	10	1	49	21.84
64QAM	710	23790	10	25	0	20.80
64QAM	710	23790	10	25	12	20.79
64QAM	710	23790	10	25	25	20.84
64QAM	710	23790	10	50	0	20.73
64QAM	711	23800	10	1	0	22.03
64QAM	711	23800	10	1	25	21.93
64QAM	711	23800	10	1	49	21.81
64QAM	711	23800	10	25	0	20.88
64QAM	711	23800	10	25	12	20.90
64QAM	711	23800	10	25	25	21.10
64QAM	711	23800	10	50	0	20.80

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	4.483	Fig.1
17	QPSK	710	23790	5	25	0	4.447	Fig.2
17	QPSK	713.5	23825	5	25	0	4.468	Fig.3
17	QPSK	709	23780	10	50	0	8.903	Fig.4
17	QPSK	710	23790	10	50	0	8.843	Fig.5
17	QPSK	711	23800	10	50	0	8.883	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	4.455	Fig.7
17	16QAM	710	23790	5	25	0	4.429	Fig.8
17	16QAM	713.5	23825	5	25	0	4.465	Fig.9
17	16QAM	709	23780	10	50	0	8.894	Fig.10
17	16QAM	710	23790	10	50	0	8.893	Fig.11
17	16QAM	711	23800	10	50	0	8.879	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	4.462	Fig.13
17	64QAM	710	23790	5	25	0	4.469	Fig.14
17	64QAM	713.5	23825	5	25	0	4.480	Fig.15
17	64QAM	709	23780	10	50	0	8.872	Fig.16
17	64QAM	710	23790	10	50	0	8.865	Fig.17
17	64QAM	711	23800	10	50	0	8.861	Fig.18

Test Mode: QPSK

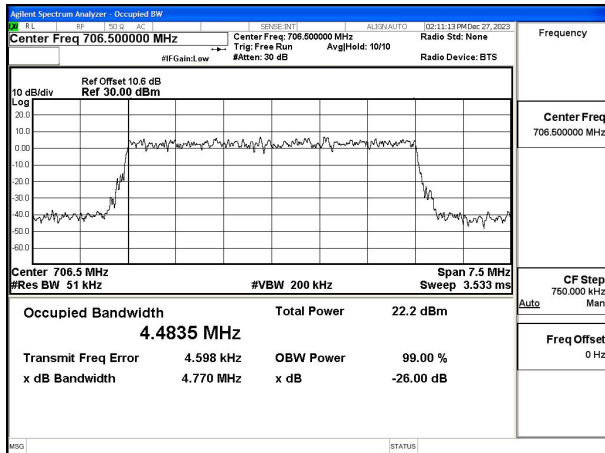


Fig.1

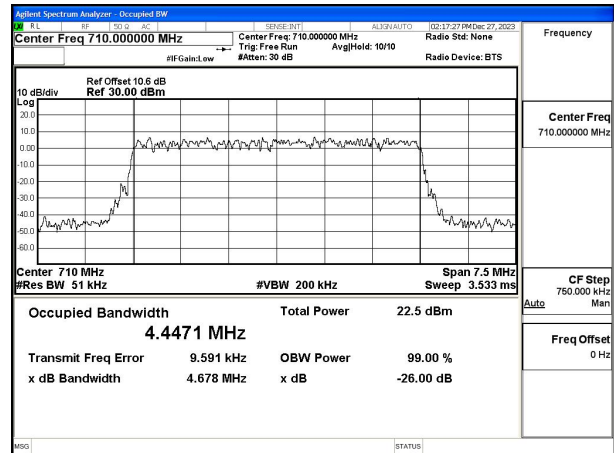


Fig.2

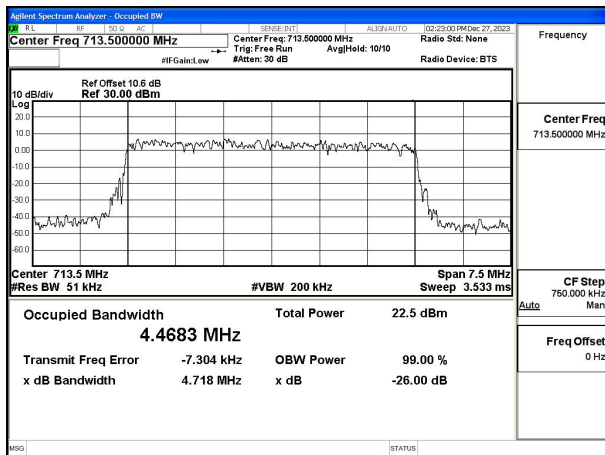


Fig.3

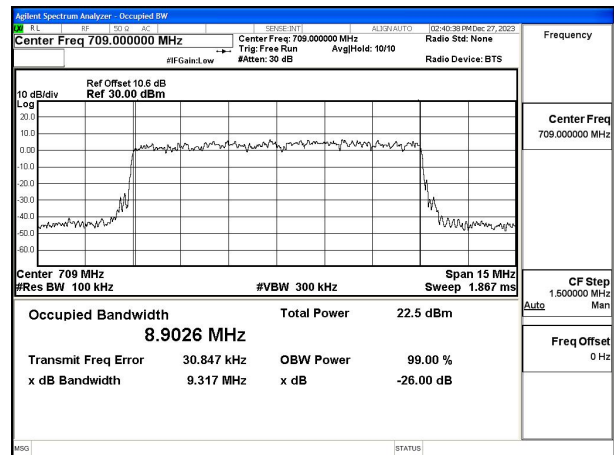


Fig.4

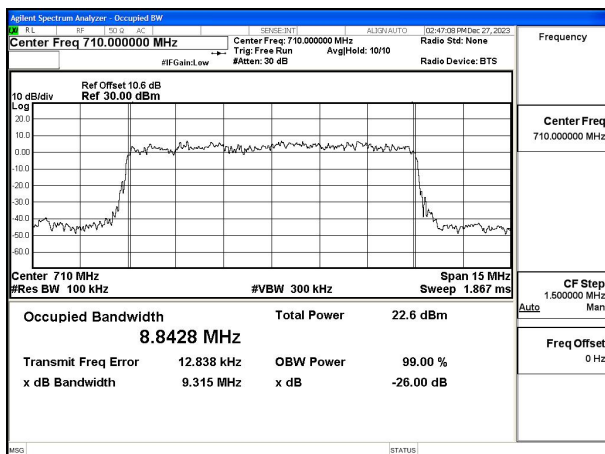


Fig.5

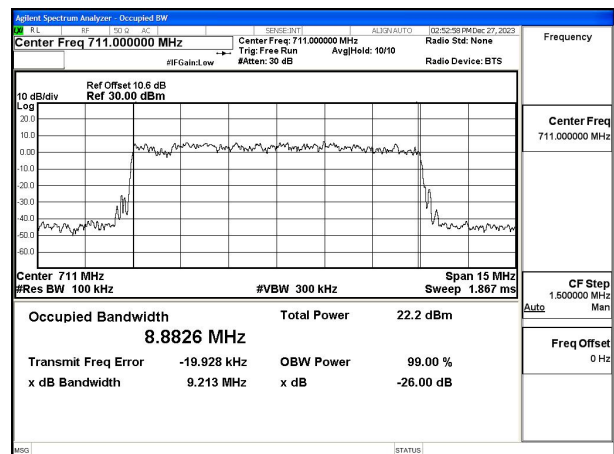


Fig.6

Test Mode: 16QAM

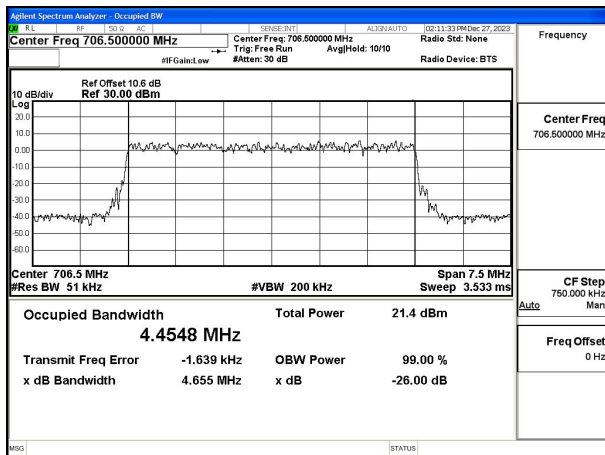


Fig.7

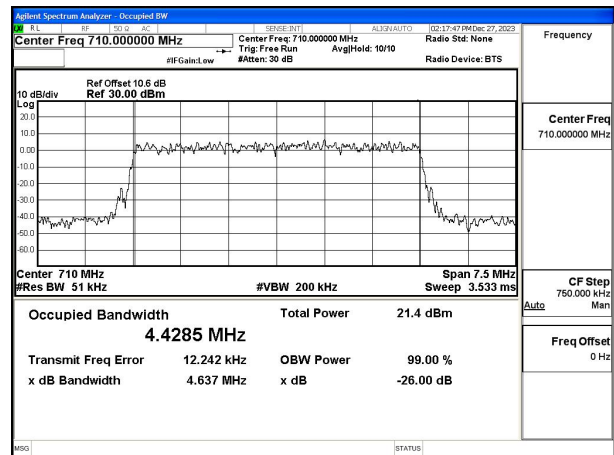


Fig.8

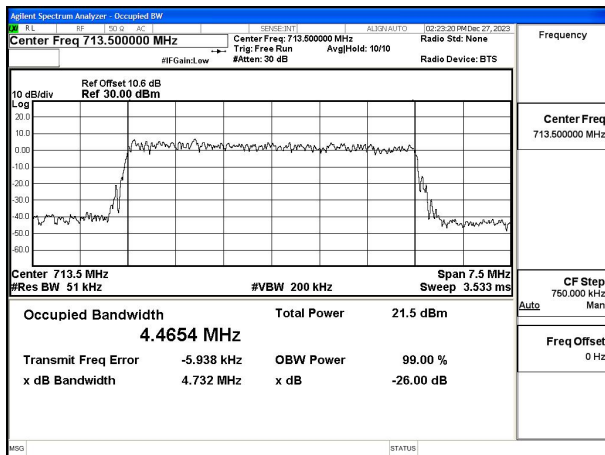


Fig.9

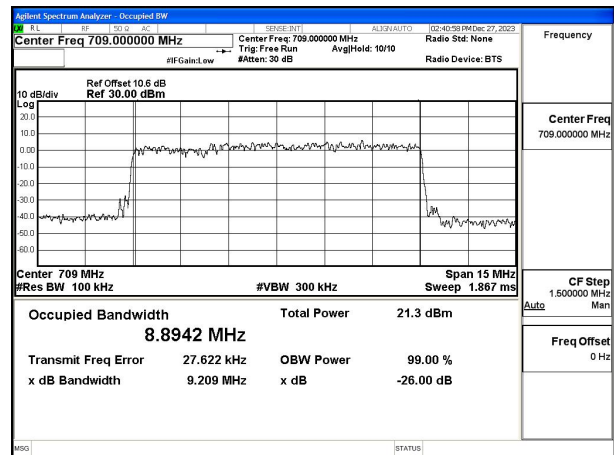


Fig.10

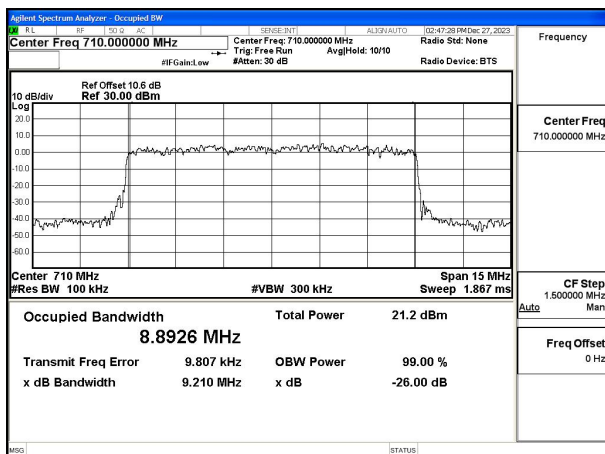


Fig.11

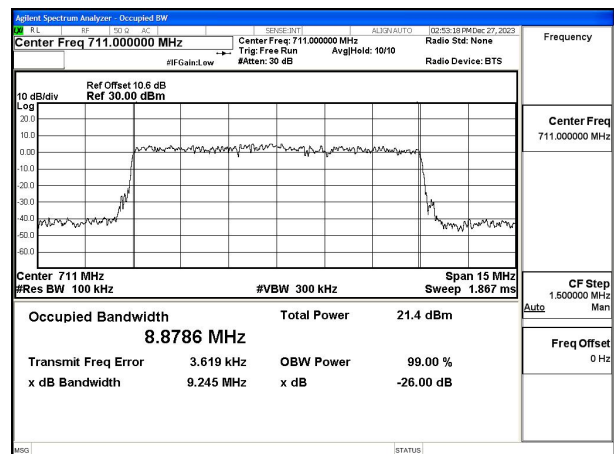


Fig.12

Test Mode: 64QAM

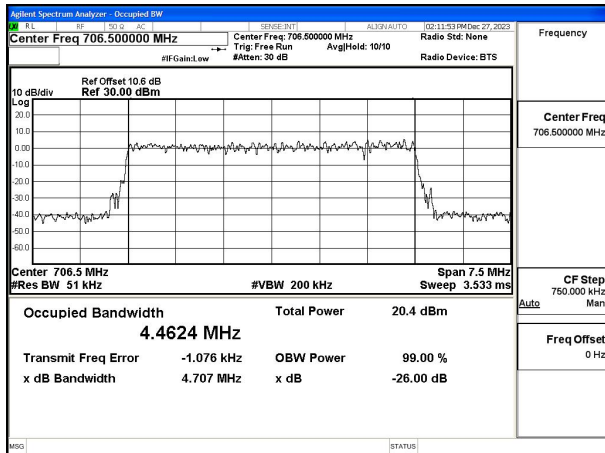


Fig.13

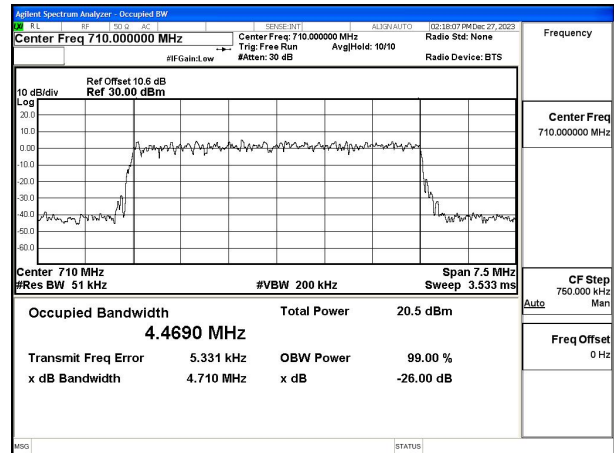


Fig.14

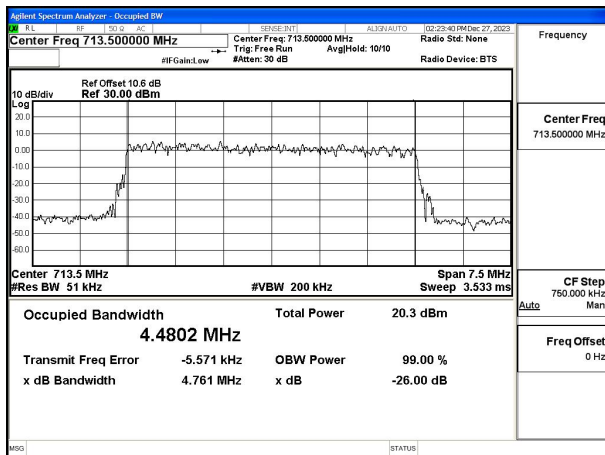


Fig.15

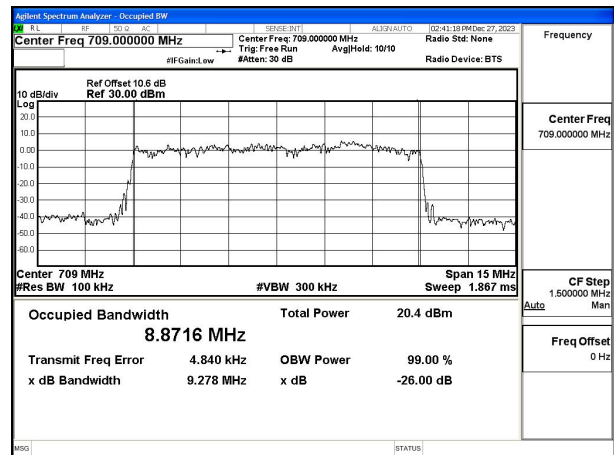


Fig.16

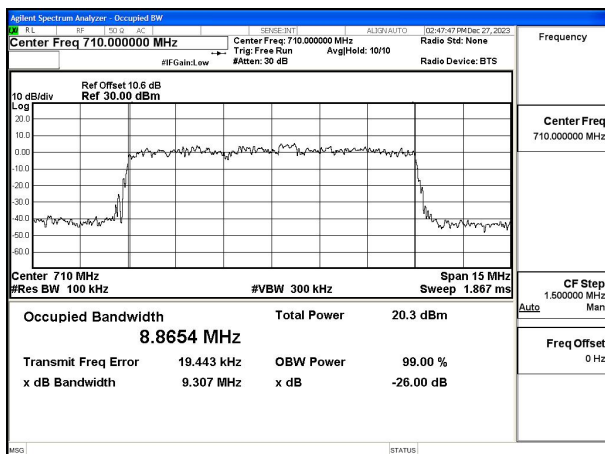


Fig.17

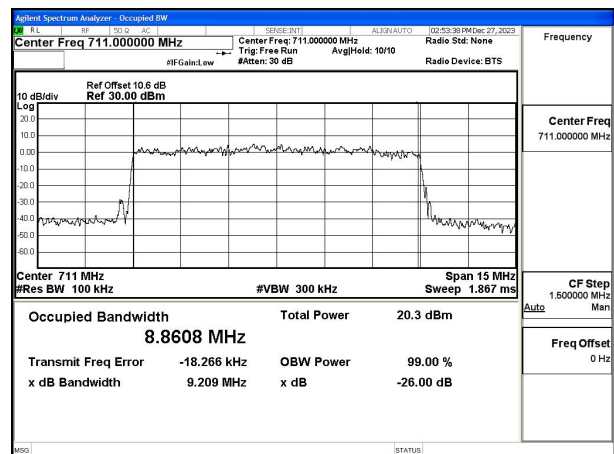


Fig.18

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	4.770	Fig.1
17	QPSK	710	23790	5	25	0	4.678	Fig.2
17	QPSK	713.5	23825	5	25	0	4.718	Fig.3
17	QPSK	709	23780	10	50	0	9.317	Fig.4
17	QPSK	710	23790	10	50	0	9.315	Fig.5
17	QPSK	711	23800	10	50	0	9.213	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	4.655	Fig.7
17	16QAM	710	23790	5	25	0	4.637	Fig.8
17	16QAM	713.5	23825	5	25	0	4.732	Fig.9
17	16QAM	709	23780	10	50	0	9.209	Fig.10
17	16QAM	710	23790	10	50	0	9.210	Fig.11
17	16QAM	711	23800	10	50	0	9.245	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	4.707	Fig.13
17	64QAM	710	23790	5	25	0	4.710	Fig.14
17	64QAM	713.5	23825	5	25	0	4.761	Fig.15
17	64QAM	709	23780	10	50	0	9.278	Fig.16
17	64QAM	710	23790	10	50	0	9.307	Fig.17
17	64QAM	711	23800	10	50	0	9.209	Fig.18

Test Mode: QPSK

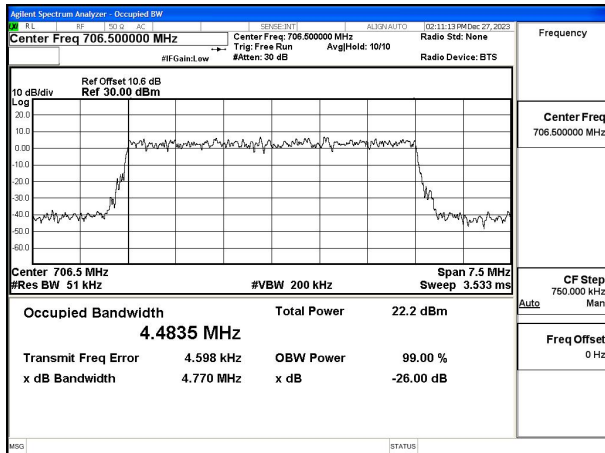


Fig.1

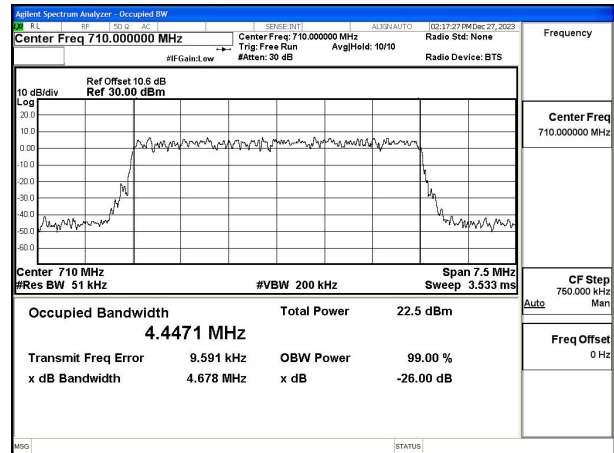


Fig.2

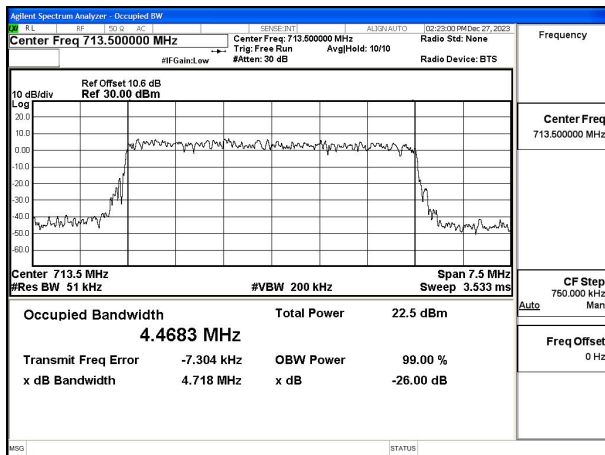


Fig.3

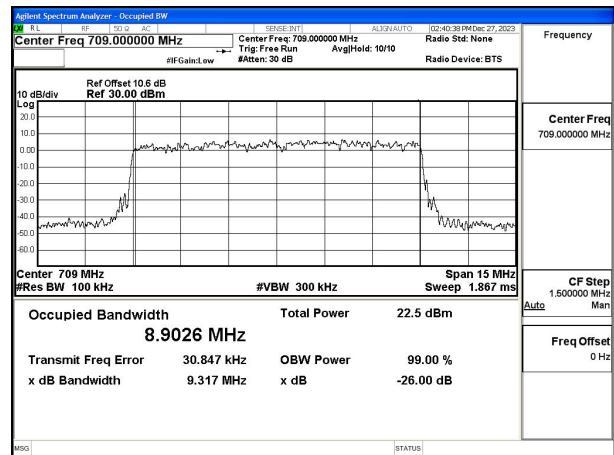


Fig.4

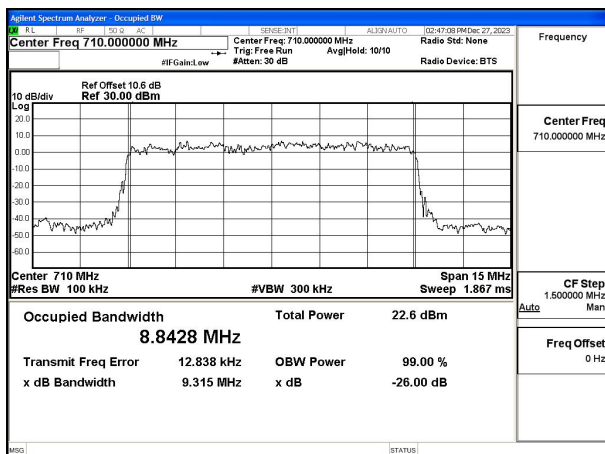


Fig.5

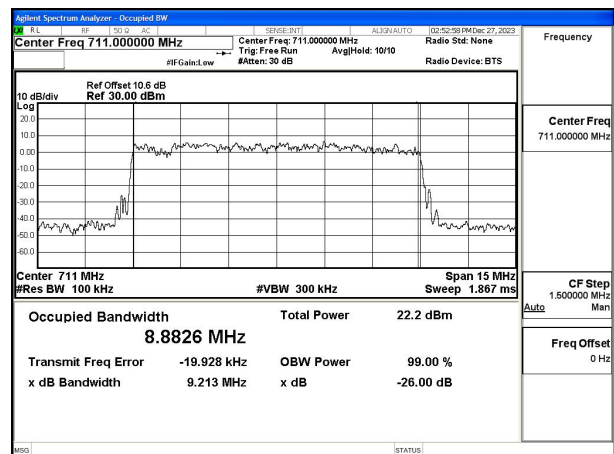


Fig.6

Test Mode: 16QAM

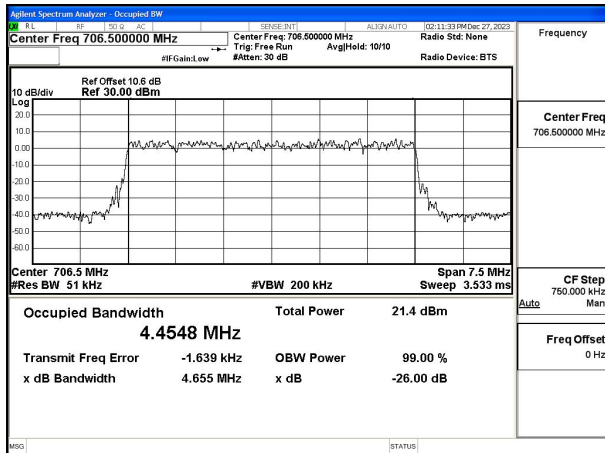


Fig.7

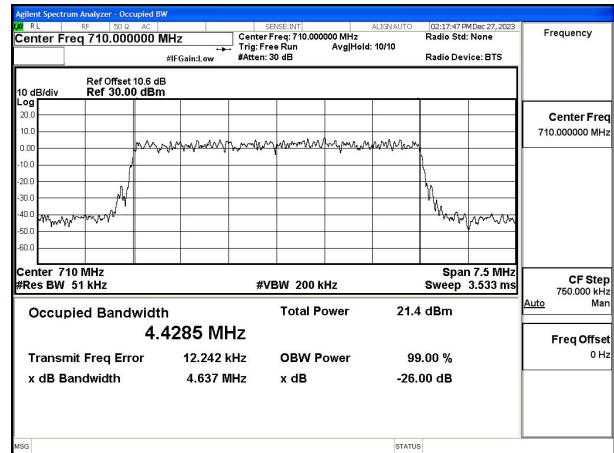


Fig.8

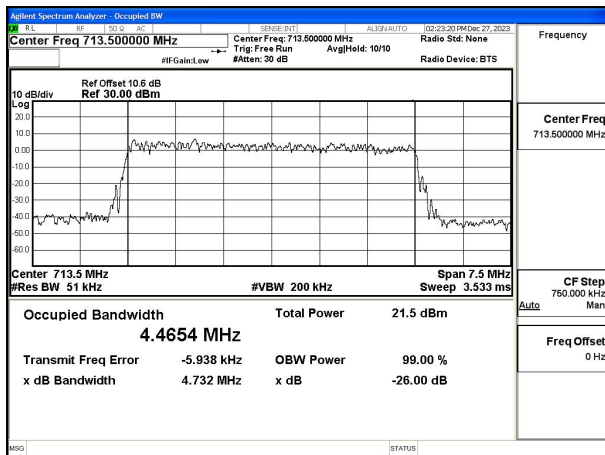


Fig.9

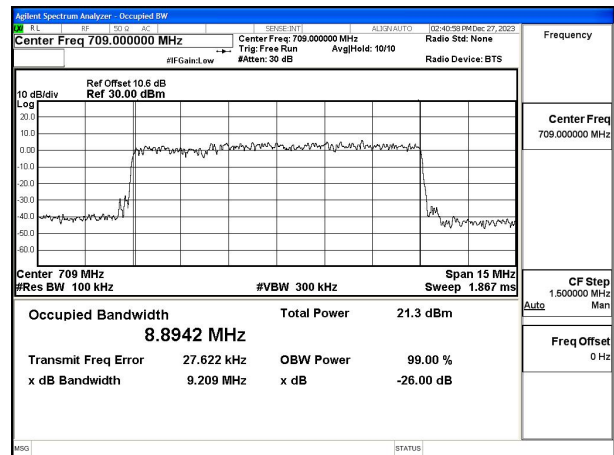


Fig.10

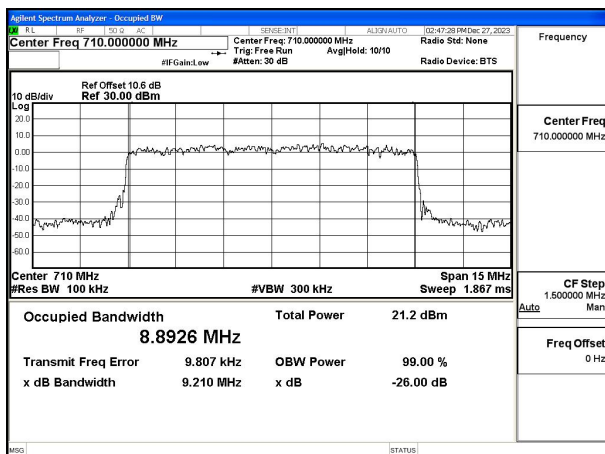


Fig.11

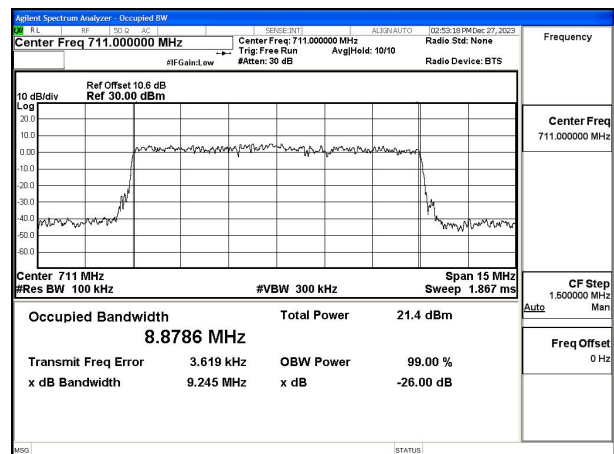


Fig.12

Test Mode: 64QAM

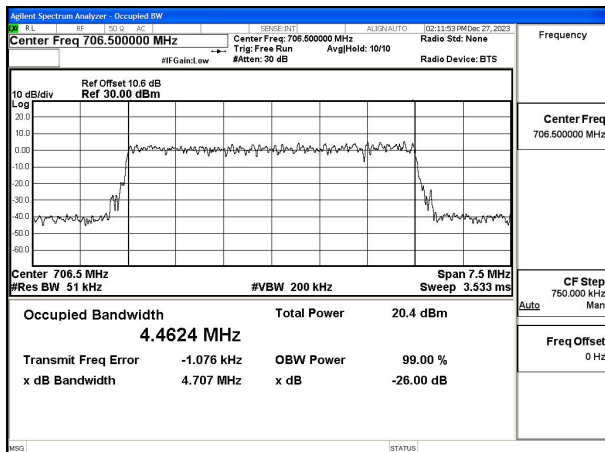


Fig.13

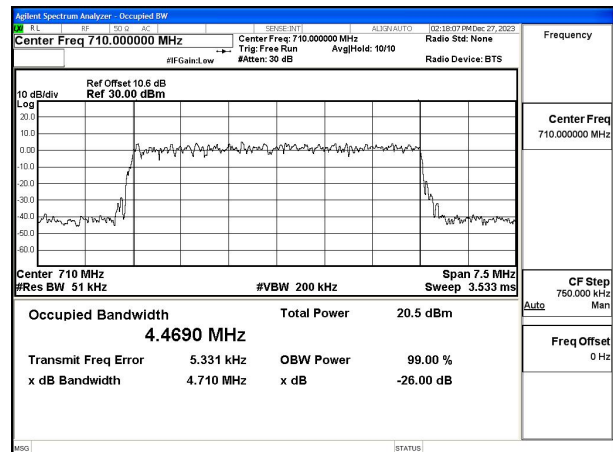


Fig.14

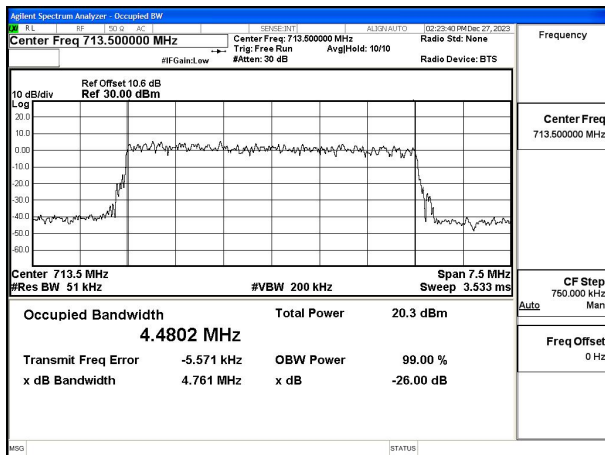


Fig.15

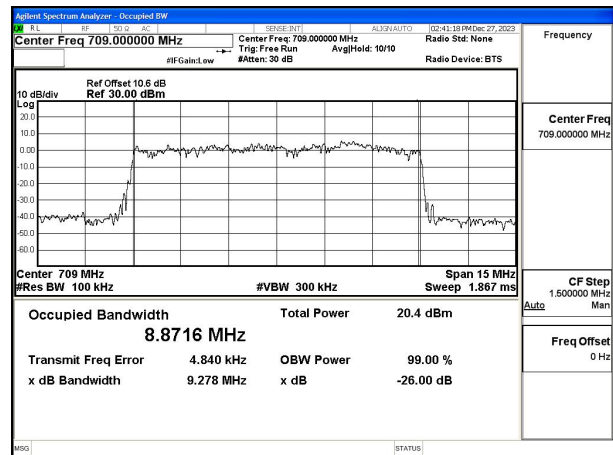


Fig.16

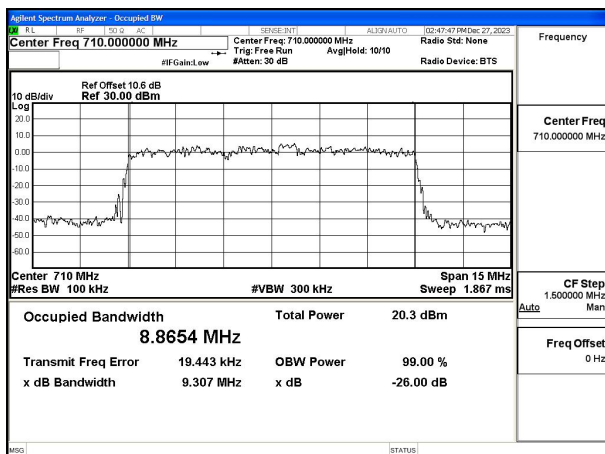


Fig.17

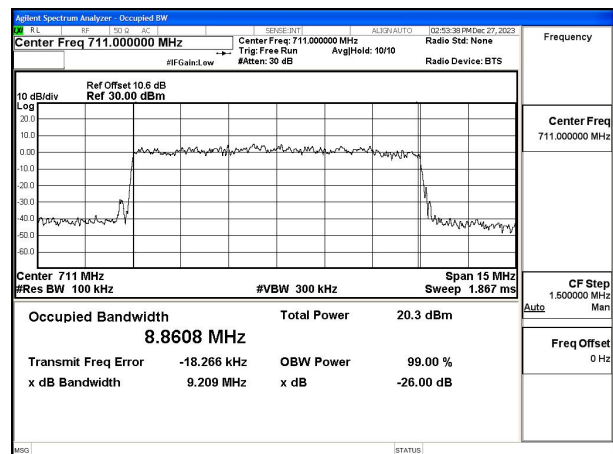


Fig.18

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

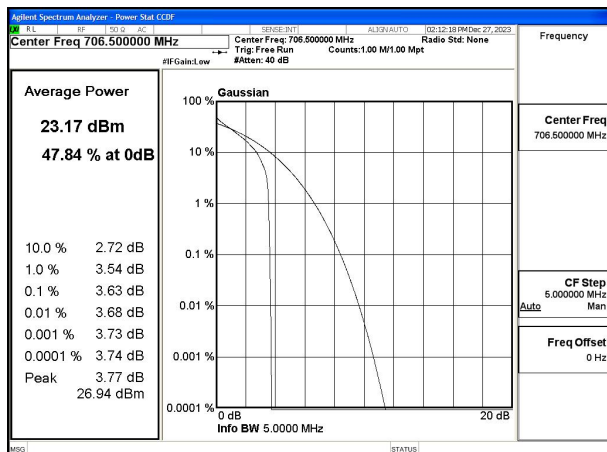


Fig.1

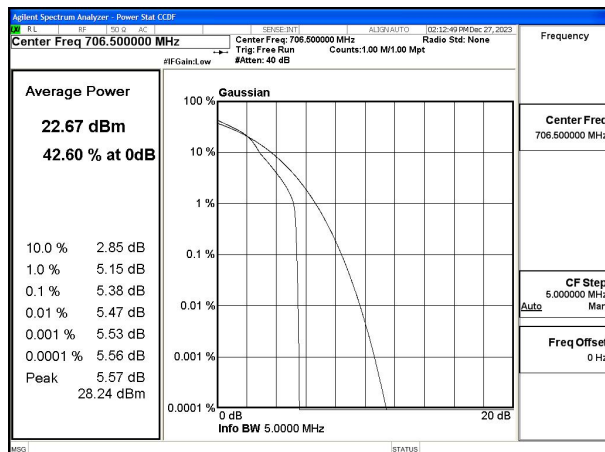


Fig.2

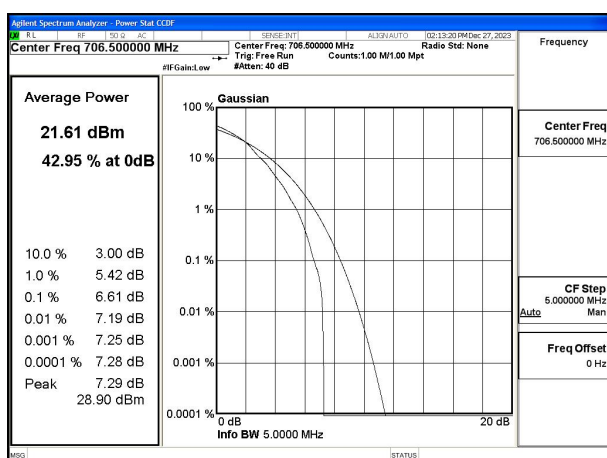


Fig.3

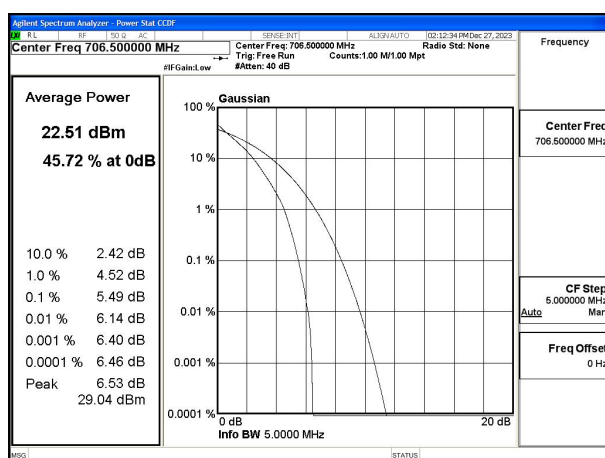


Fig.4

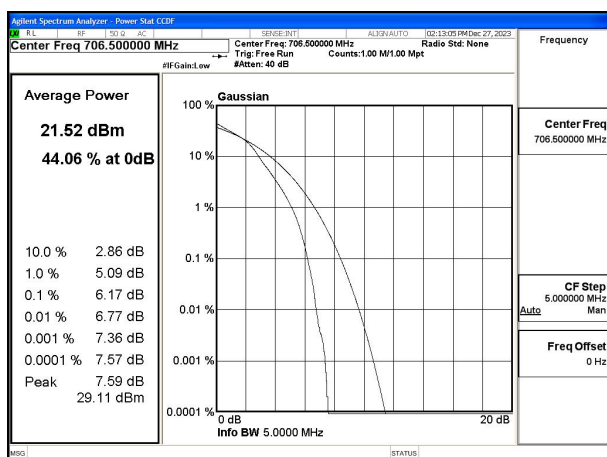


Fig.5

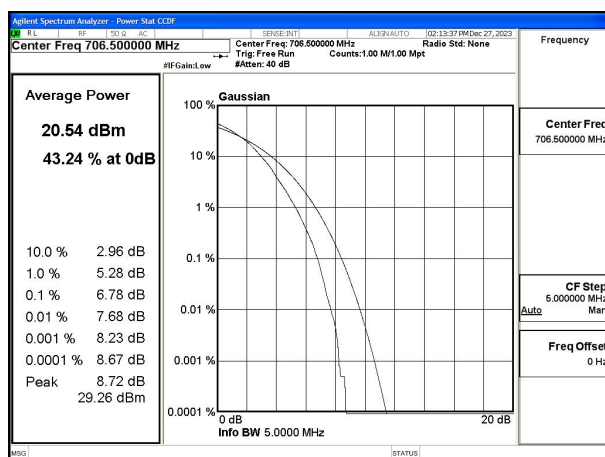


Fig.6