

**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	24.44
QPSK	706.5	23755	5	1	12	24.80
QPSK	706.5	23755	5	1	24	24.84
QPSK	706.5	23755	5	12	0	23.94
QPSK	706.5	23755	5	12	7	23.75
QPSK	706.5	23755	5	12	13	23.77
QPSK	706.5	23755	5	25	0	23.72
QPSK	710	23790	5	1	0	24.82
QPSK	710	23790	5	1	12	23.98
QPSK	710	23790	5	1	24	24.78
QPSK	710	23790	5	12	0	23.80
QPSK	710	23790	5	12	7	23.06
QPSK	710	23790	5	12	13	23.67
QPSK	710	23790	5	25	0	23.16
QPSK	713.5	23825	5	1	0	24.98
QPSK	713.5	23825	5	1	12	24.95
QPSK	713.5	23825	5	1	24	24.99
QPSK	713.5	23825	5	12	0	23.81
QPSK	713.5	23825	5	12	7	23.83
QPSK	713.5	23825	5	12	13	23.80
QPSK	713.5	23825	5	25	0	23.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	23.70
16QAM	706.5	23755	5	1	12	23.57
16QAM	706.5	23755	5	1	24	23.76
16QAM	706.5	23755	5	12	0	22.86
16QAM	706.5	23755	5	12	7	22.99
16QAM	706.5	23755	5	12	13	22.81
16QAM	706.5	23755	5	25	0	23.09
16QAM	710	23790	5	1	0	24.15
16QAM	710	23790	5	1	12	23.78
16QAM	710	23790	5	1	24	24.27
16QAM	710	23790	5	12	0	22.63
16QAM	710	23790	5	12	7	22.50
16QAM	710	23790	5	12	13	22.79
16QAM	710	23790	5	25	0	22.55
16QAM	713.5	23825	5	1	0	23.47
16QAM	713.5	23825	5	1	12	23.58
16QAM	713.5	23825	5	1	24	23.23
16QAM	713.5	23825	5	12	0	22.61
16QAM	713.5	23825	5	12	7	22.65
16QAM	713.5	23825	5	12	13	22.79
16QAM	713.5	23825	5	25	0	22.94
64QAM	706.5	23755	5	1	0	23.10
64QAM	706.5	23755	5	1	12	22.78
64QAM	706.5	23755	5	1	24	22.77
64QAM	706.5	23755	5	12	0	22.16
64QAM	706.5	23755	5	12	7	22.22
64QAM	706.5	23755	5	12	13	22.18
64QAM	706.5	23755	5	25	0	22.00
64QAM	710	23790	5	1	0	22.96
64QAM	710	23790	5	1	12	22.67
64QAM	710	23790	5	1	24	21.89
64QAM	710	23790	5	12	0	22.00
64QAM	710	23790	5	12	7	21.51
64QAM	710	23790	5	12	13	22.21
64QAM	710	23790	5	25	0	21.70
64QAM	713.5	23825	5	1	0	22.95
64QAM	713.5	23825	5	1	12	22.17
64QAM	713.5	23825	5	1	24	22.80
64QAM	713.5	23825	5	12	0	22.13
64QAM	713.5	23825	5	12	7	22.27
64QAM	713.5	23825	5	12	13	22.00
64QAM	713.5	23825	5	25	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	24.90
QPSK	709	23780	10	1	25	24.80
QPSK	709	23780	10	1	49	24.72
QPSK	709	23780	10	25	0	23.71
QPSK	709	23780	10	25	12	23.66
QPSK	709	23780	10	25	25	23.76
QPSK	709	23780	10	50	0	23.72
QPSK	710	23790	10	1	0	25.10
QPSK	710	23790	10	1	25	24.35
QPSK	710	23790	10	1	49	24.94
QPSK	710	23790	10	25	0	23.81
QPSK	710	23790	10	25	12	23.03
QPSK	710	23790	10	25	25	23.65
QPSK	710	23790	10	50	0	23.16
QPSK	711	23800	10	1	0	24.86
QPSK	711	23800	10	1	25	24.03
QPSK	711	23800	10	1	49	24.81
QPSK	711	23800	10	25	0	23.72
QPSK	711	23800	10	25	12	23.23
QPSK	711	23800	10	25	25	23.67
QPSK	711	23800	10	50	0	23.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	24.74
16QAM	709	23780	10	1	25	24.60
16QAM	709	23780	10	1	49	24.46
16QAM	709	23780	10	25	0	22.80
16QAM	709	23780	10	25	12	22.75
16QAM	709	23780	10	25	25	22.60
16QAM	709	23780	10	50	0	22.88
16QAM	710	23790	10	1	0	23.66
16QAM	710	23790	10	1	25	23.16
16QAM	710	23790	10	1	49	23.45
16QAM	710	23790	10	25	0	22.98
16QAM	710	23790	10	25	12	22.57
16QAM	710	23790	10	25	25	23.03
16QAM	710	23790	10	50	0	22.48
16QAM	711	23800	10	1	0	24.02
16QAM	711	23800	10	1	25	23.04
16QAM	711	23800	10	1	49	24.07
16QAM	711	23800	10	25	0	22.72
16QAM	711	23800	10	25	12	22.38
16QAM	711	23800	10	25	25	22.55
16QAM	711	23800	10	50	0	22.40
64QAM	709	23780	10	1	0	23.36
64QAM	709	23780	10	1	25	22.81
64QAM	709	23780	10	1	49	22.36
64QAM	709	23780	10	25	0	22.19
64QAM	709	23780	10	25	12	22.14
64QAM	709	23780	10	25	25	22.02
64QAM	709	23780	10	50	0	22.31
64QAM	710	23790	10	1	0	23.08
64QAM	710	23790	10	1	25	22.69
64QAM	710	23790	10	1	49	23.02
64QAM	710	23790	10	25	0	22.18
64QAM	710	23790	10	25	12	21.77
64QAM	710	23790	10	25	25	22.15
64QAM	710	23790	10	50	0	21.57
64QAM	711	23800	10	1	0	22.66
64QAM	711	23800	10	1	25	22.17
64QAM	711	23800	10	1	49	22.67
64QAM	711	23800	10	25	0	22.14
64QAM	711	23800	10	25	12	21.27
64QAM	711	23800	10	25	25	22.12
64QAM	711	23800	10	50	0	21.47

## 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	4.470	Fig.2
17	QPSK	713.5	23825	5	25	0	4.470	Fig.3
17	QPSK	709	23780	10	50	0	8.910	Fig.4
17	QPSK	710	23790	10	50	0	8.920	Fig.5
17	QPSK	711	23800	10	50	0	8.880	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	4.460	Fig.7
17	16QAM	710	23790	5	25	0	4.450	Fig.8
17	16QAM	713.5	23825	5	25	0	4.460	Fig.9
17	16QAM	709	23780	10	50	0	8.900	Fig.10
17	16QAM	710	23790	10	50	0	8.900	Fig.11
17	16QAM	711	23800	10	50	0	8.890	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	4.450	Fig.13
17	64QAM	710	23790	5	25	0	4.460	Fig.14
17	64QAM	713.5	23825	5	25	0	4.450	Fig.15
17	64QAM	709	23780	10	50	0	8.900	Fig.16
17	64QAM	710	23790	10	50	0	8.920	Fig.17
17	64QAM	711	23800	10	50	0	8.900	Fig.18

Test Mode: QPSK

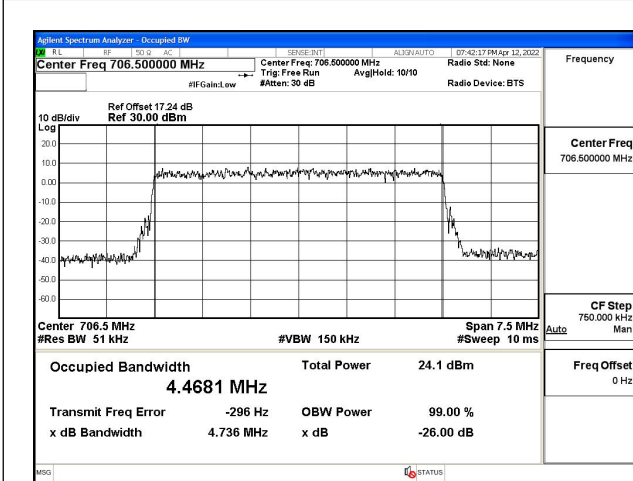


Fig.1

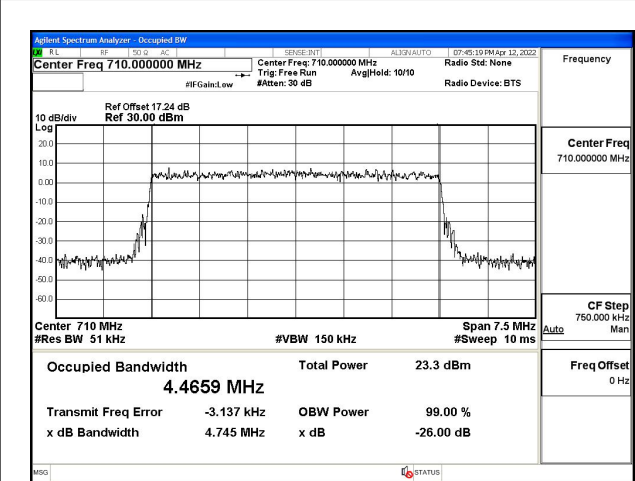


Fig.2

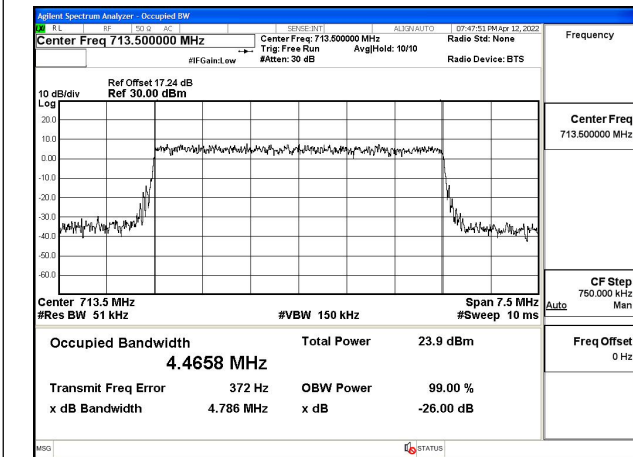


Fig.3

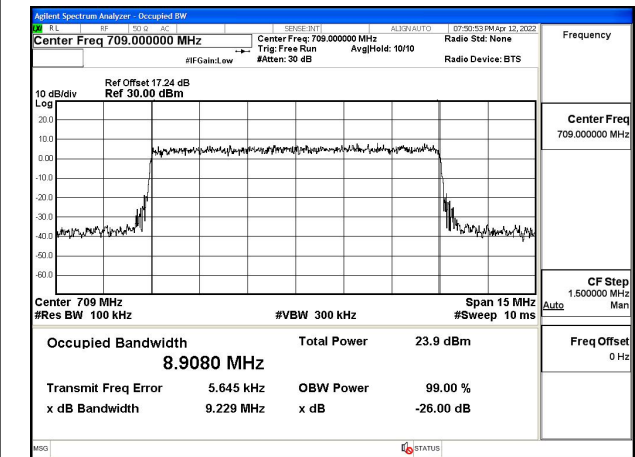


Fig.4

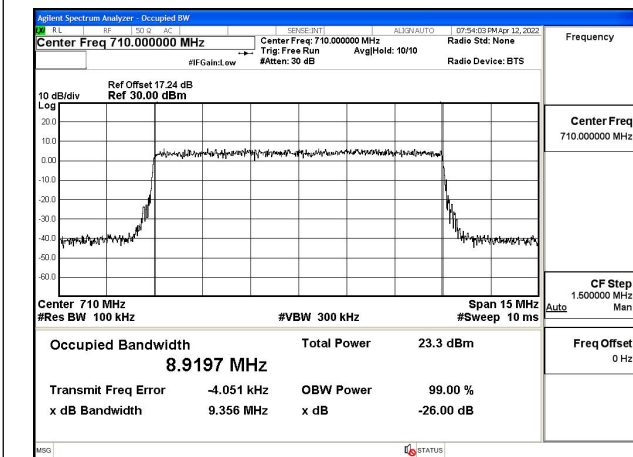


Fig.5

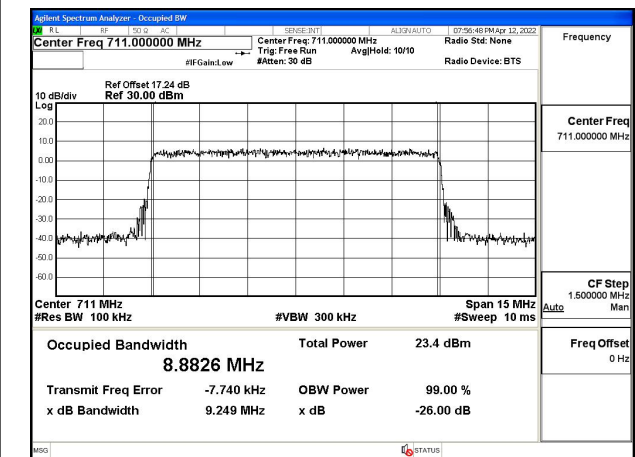


Fig.6

Test Mode: 16QAM

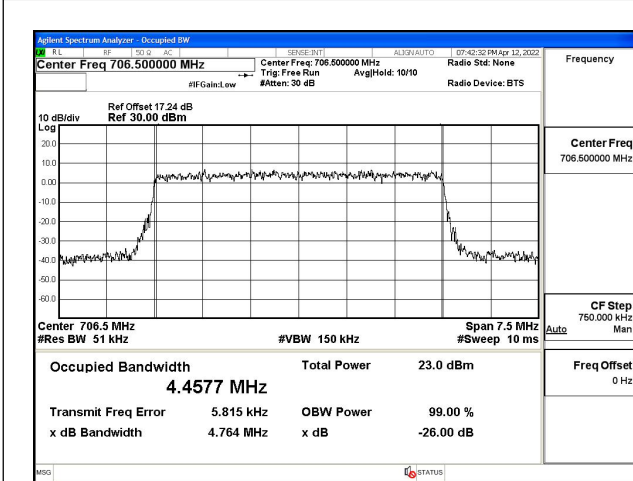


Fig.7

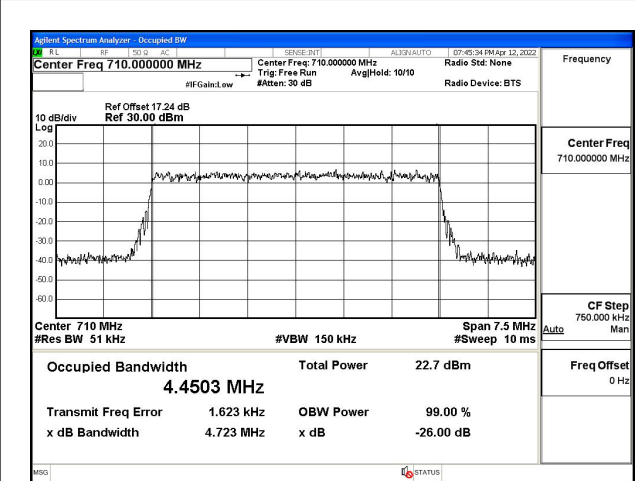


Fig.8

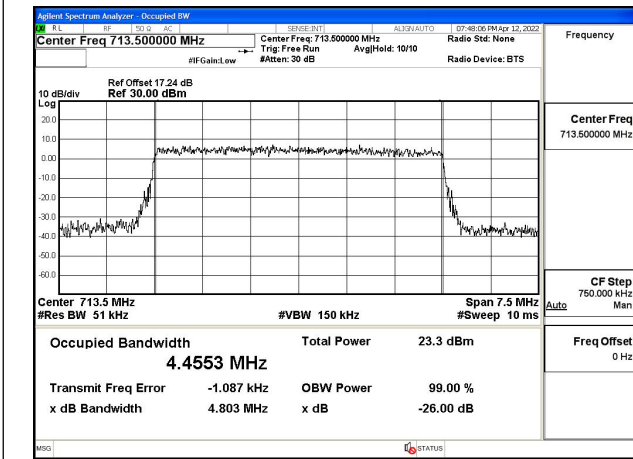


Fig.9

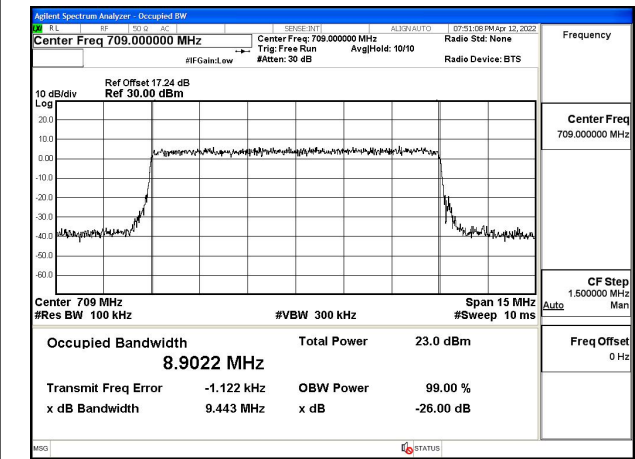


Fig.10

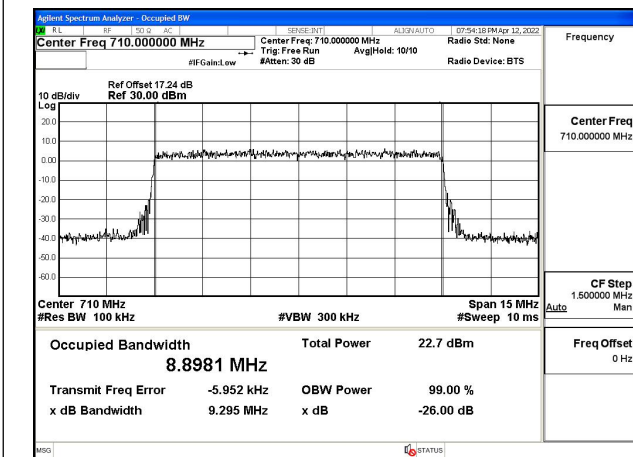


Fig.11

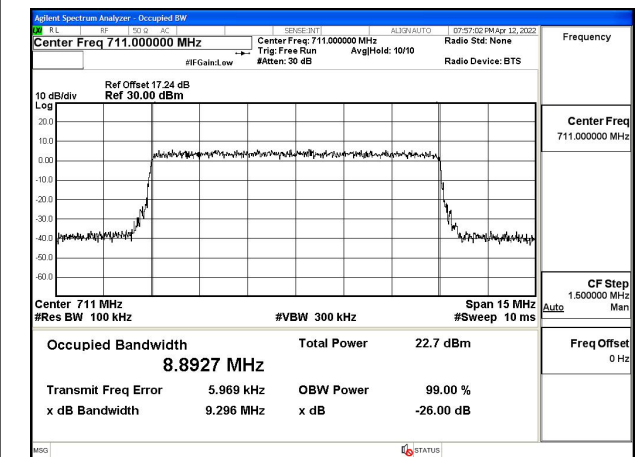


Fig.12

Test Mode: 64QAM

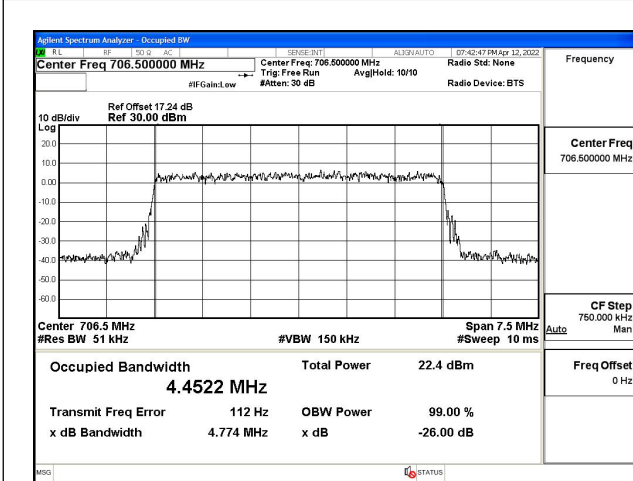


Fig. 13

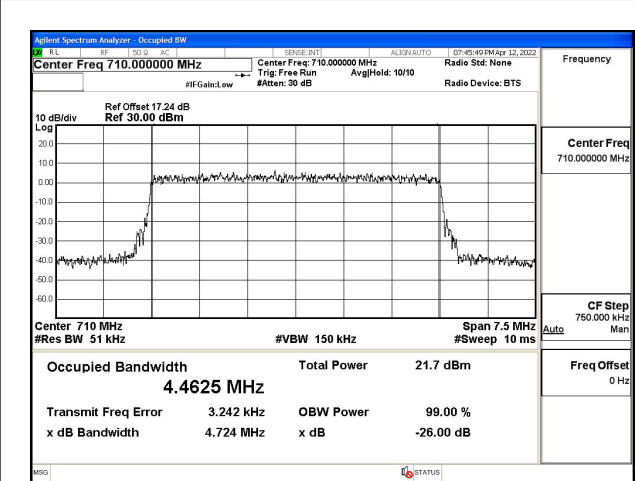


Fig. 14

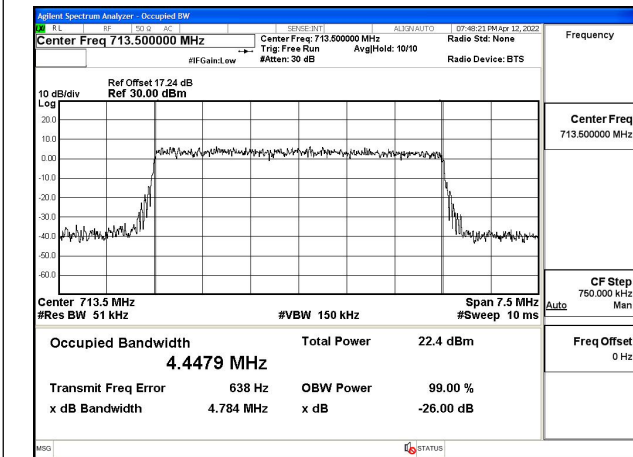


Fig. 15

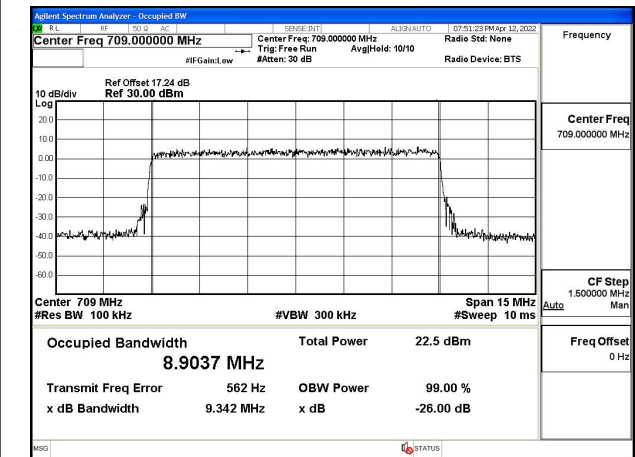


Fig. 16

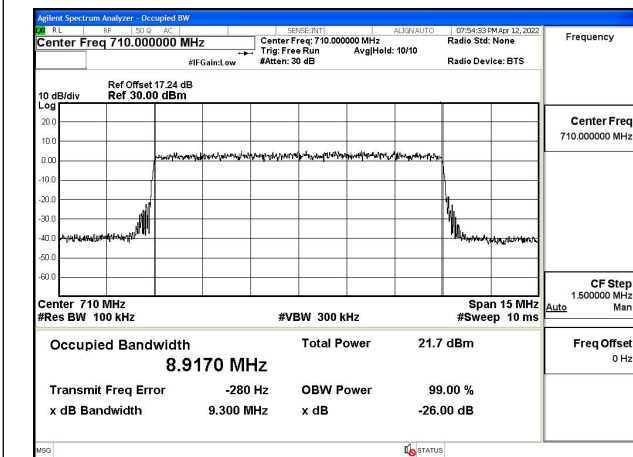


Fig. 17

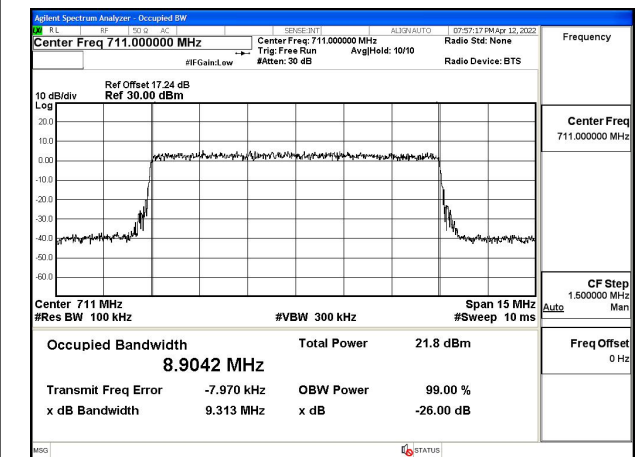


Fig. 18



### 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	4.740	Fig.1
17	QPSK	710	23790	5	25	0	4.740	Fig.2
17	QPSK	713.5	23825	5	25	0	4.790	Fig.3
17	QPSK	709	23780	10	50	0	9.230	Fig.4
17	QPSK	710	23790	10	50	0	9.360	Fig.5
17	QPSK	711	23800	10	50	0	9.250	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	4.760	Fig.7
17	16QAM	710	23790	5	25	0	4.720	Fig.8
17	16QAM	713.5	23825	5	25	0	4.800	Fig.9
17	16QAM	709	23780	10	50	0	9.440	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	4.770	Fig.13
17	64QAM	710	23790	5	25	0	4.720	Fig.14
17	64QAM	713.5	23825	5	25	0	4.780	Fig.15
17	64QAM	709	23780	10	50	0	9.340	Fig.16
17	64QAM	710	23790	10	50	0	9.300	Fig.17
17	64QAM	711	23800	10	50	0	9.310	Fig.18

Test Mode: QPSK

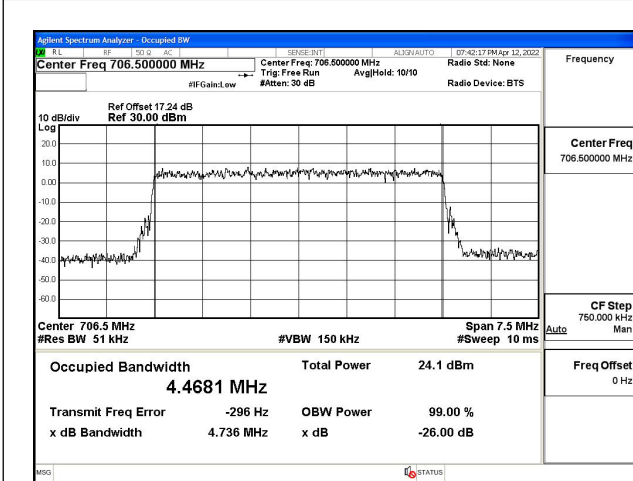


Fig.1

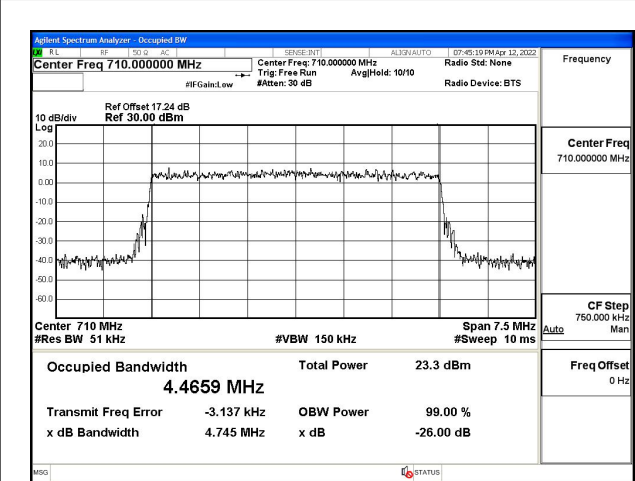


Fig.2

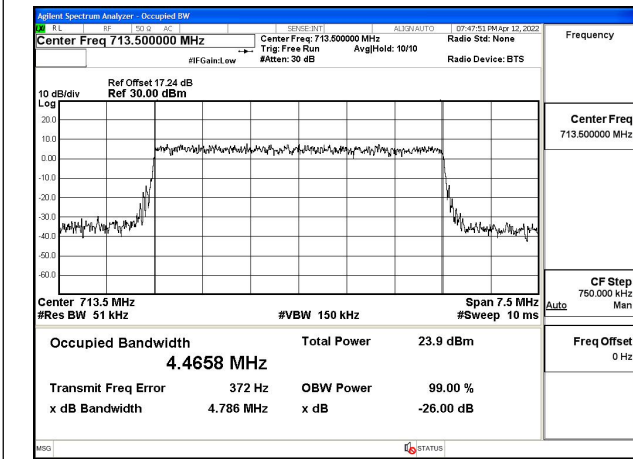


Fig.3

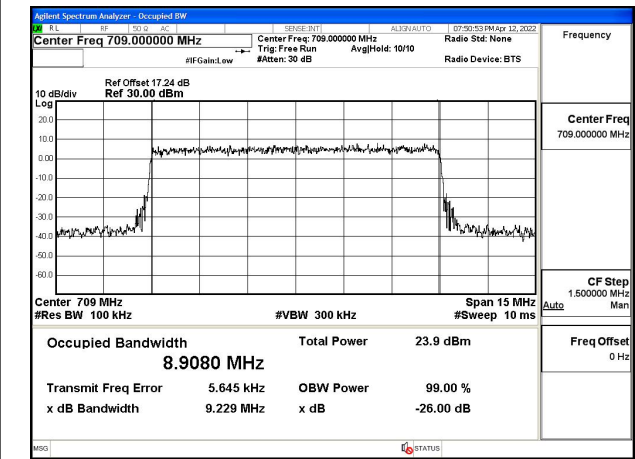


Fig.4

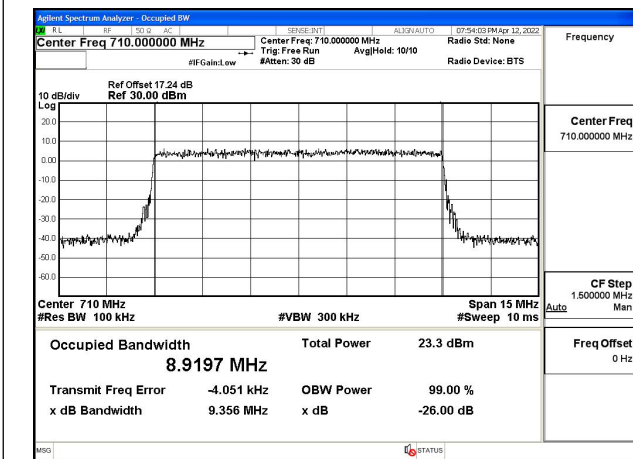


Fig.5

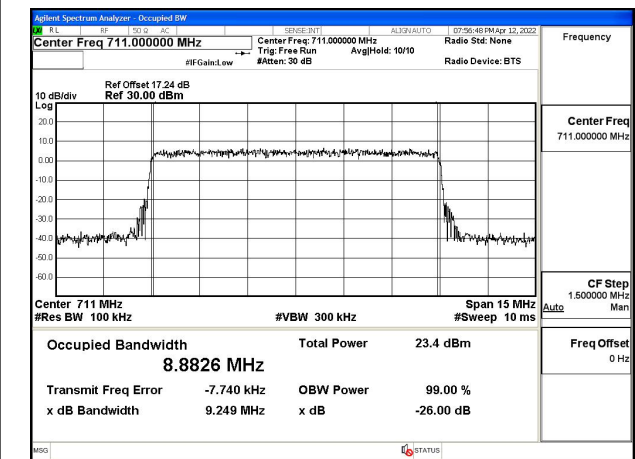


Fig.6

Test Mode: 16QAM

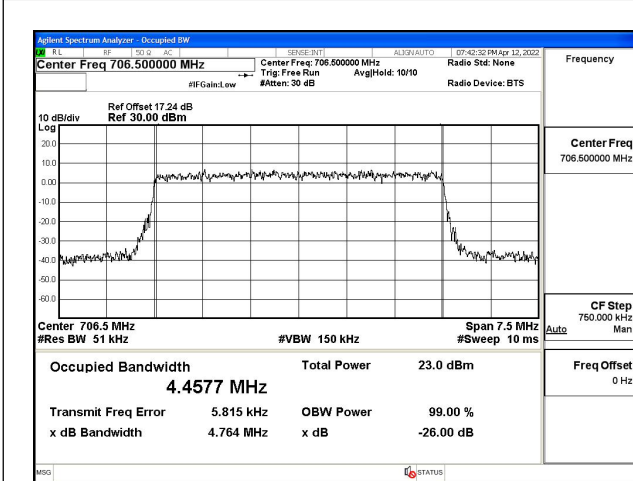


Fig.7

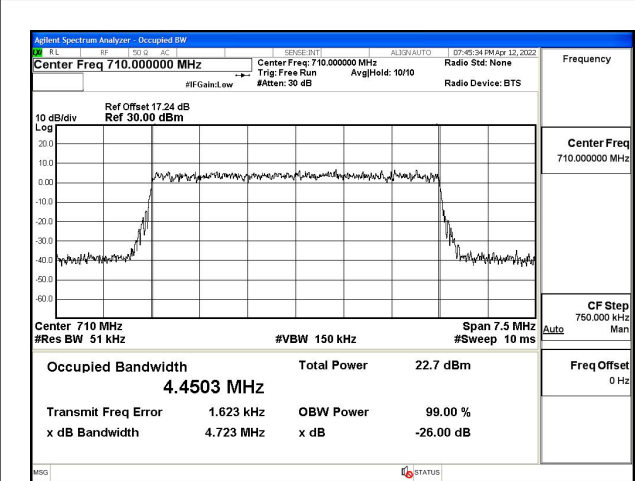


Fig.8

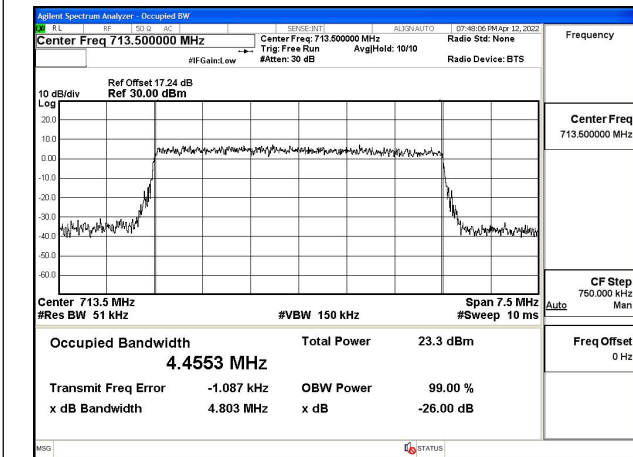


Fig.9

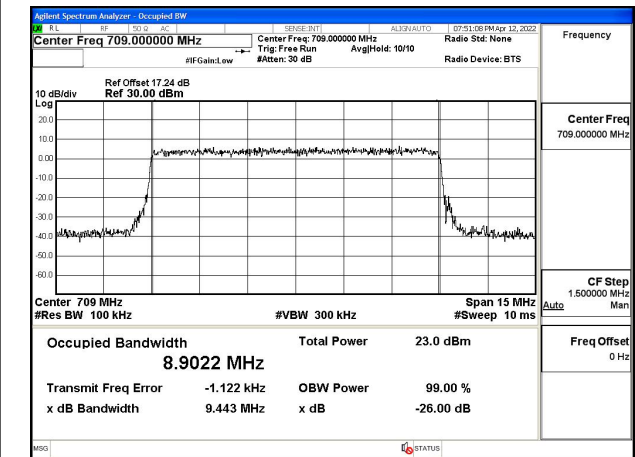


Fig.10

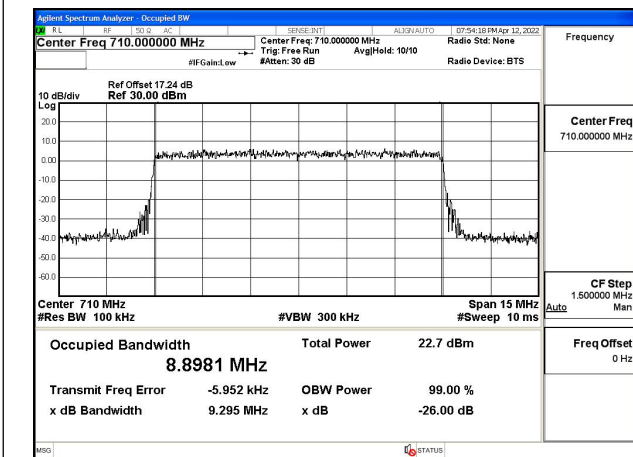


Fig.11

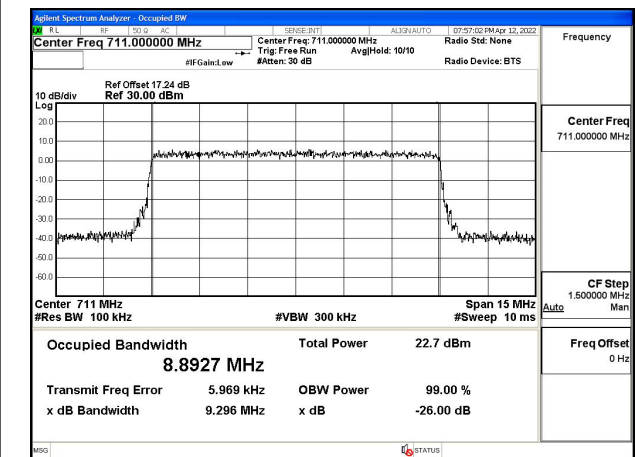


Fig.12

Test Mode: 64QAM

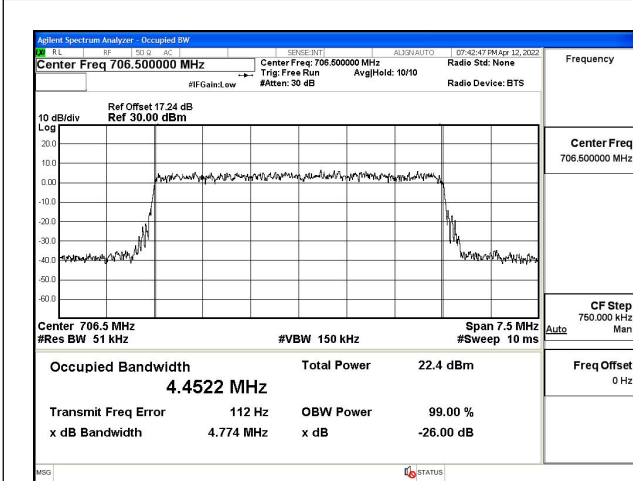


Fig. 13

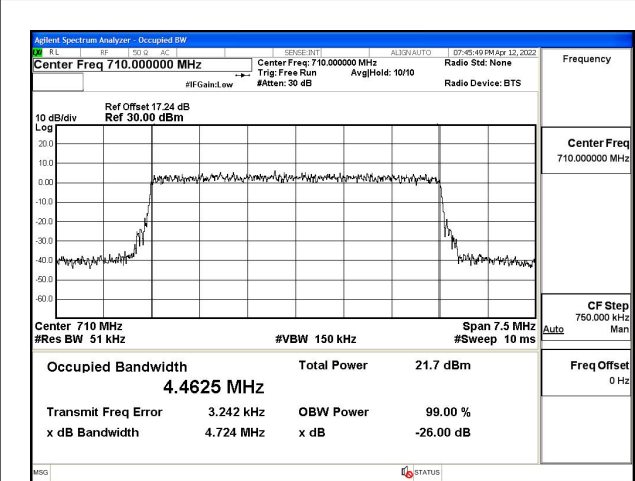


Fig. 14

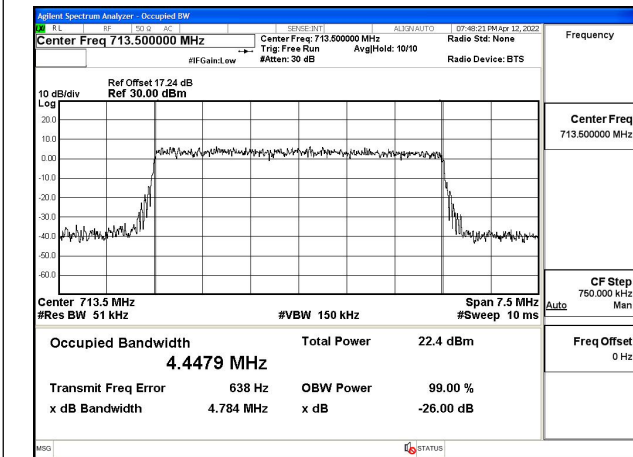


Fig. 15

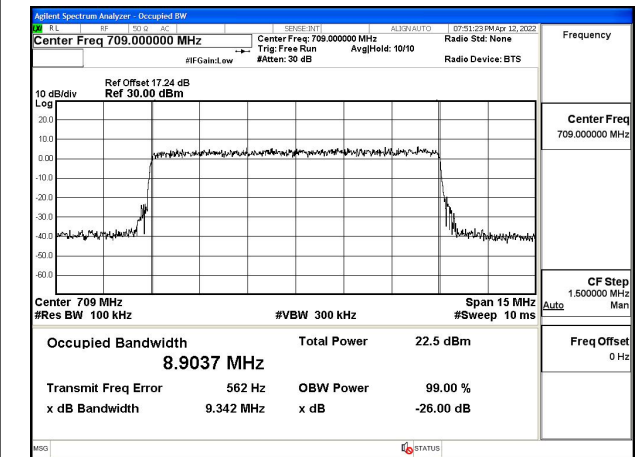


Fig. 16

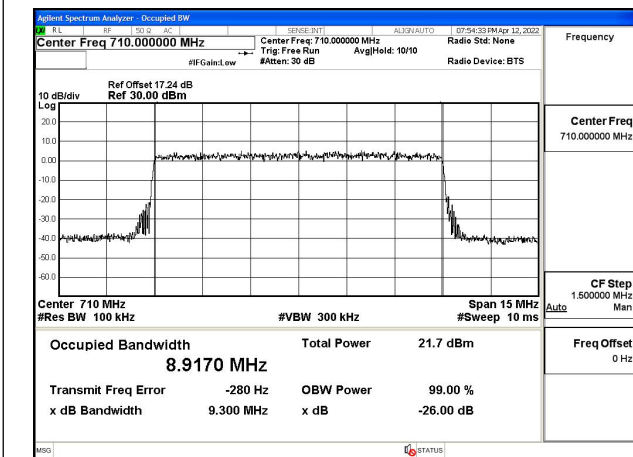


Fig. 17

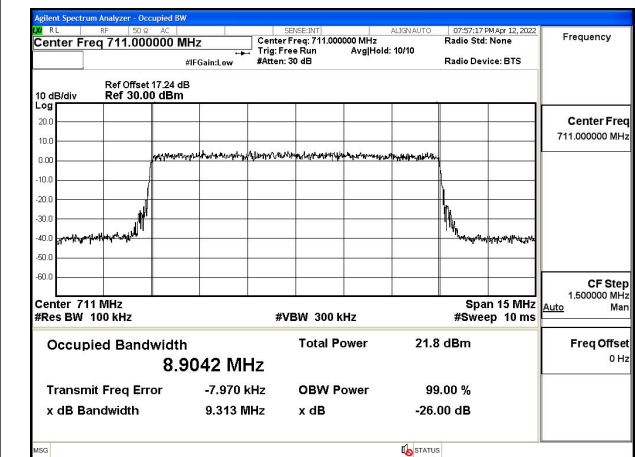


Fig. 18

**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

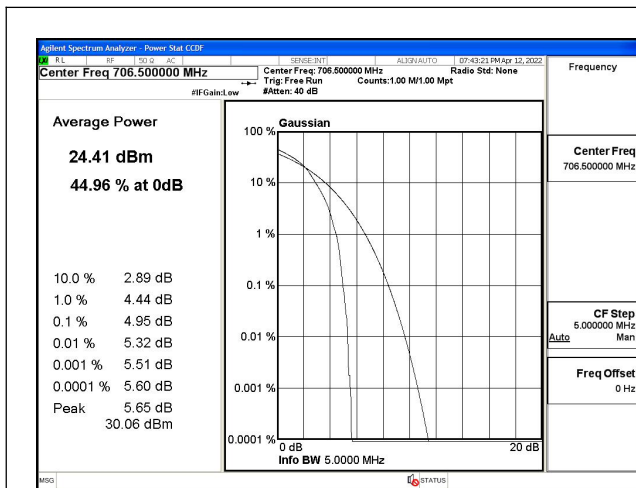


Fig.1

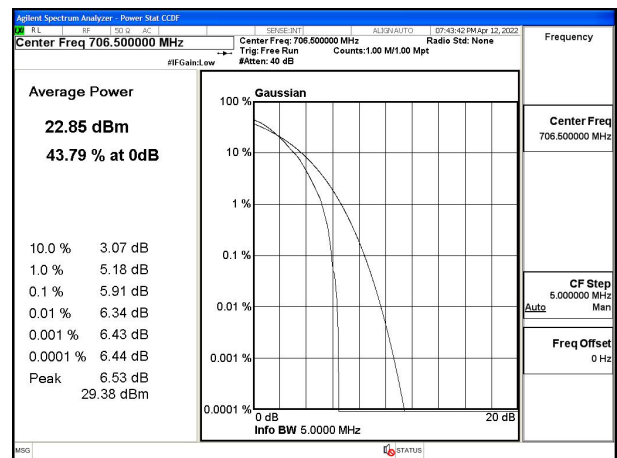


Fig.2

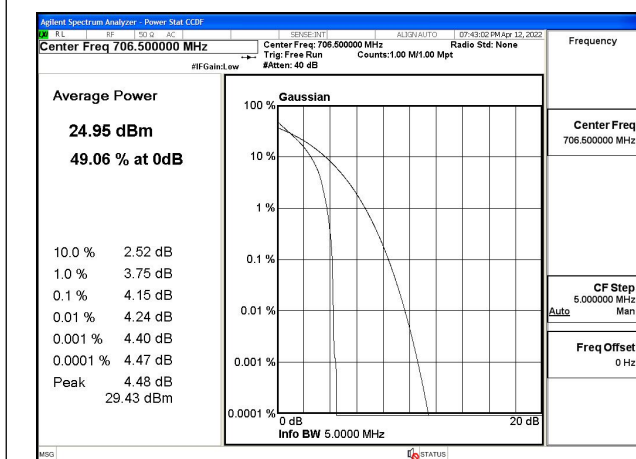


Fig.3

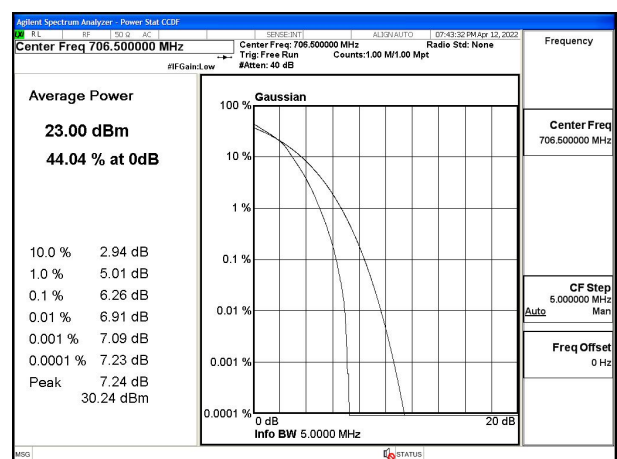


Fig.4