

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	23.01
QPSK	706.5	23755	5	1	12	22.99
QPSK	706.5	23755	5	1	24	22.93
QPSK	706.5	23755	5	12	0	21.99
QPSK	706.5	23755	5	12	7	22.08
QPSK	706.5	23755	5	12	13	22.05
QPSK	706.5	23755	5	25	0	22.08
QPSK	710	23790	5	1	0	23.22
QPSK	710	23790	5	1	12	23.09
QPSK	710	23790	5	1	24	22.96
QPSK	710	23790	5	12	0	22.07
QPSK	710	23790	5	12	7	22.05
QPSK	710	23790	5	12	13	22.10
QPSK	710	23790	5	25	0	22.01
QPSK	713.5	23825	5	1	0	23.14
QPSK	713.5	23825	5	1	12	23.34
QPSK	713.5	23825	5	1	24	22.74
QPSK	713.5	23825	5	12	0	22.03
QPSK	713.5	23825	5	12	7	22.08
QPSK	713.5	23825	5	12	13	22.04
QPSK	713.5	23825	5	25	0	21.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	22.41
16QAM	706.5	23755	5	1	12	22.55
16QAM	706.5	23755	5	1	24	22.38
16QAM	706.5	23755	5	12	0	21.09
16QAM	706.5	23755	5	12	7	21.15
16QAM	706.5	23755	5	12	13	21.09
16QAM	706.5	23755	5	25	0	21.06
16QAM	710	23790	5	1	0	22.41
16QAM	710	23790	5	1	12	22.37
16QAM	710	23790	5	1	24	22.01
16QAM	710	23790	5	12	0	20.97
16QAM	710	23790	5	12	7	21.00
16QAM	710	23790	5	12	13	21.03
16QAM	710	23790	5	25	0	21.01
16QAM	713.5	23825	5	1	0	22.68
16QAM	713.5	23825	5	1	12	22.47
16QAM	713.5	23825	5	1	24	22.31

16QAM	713.5	23825	5	12	0	21.04
16QAM	713.5	23825	5	12	7	21.11
16QAM	713.5	23825	5	12	13	21.15
16QAM	713.5	23825	5	25	0	21.01
64QAM	706.5	23755	5	1	0	22.60
64QAM	706.5	23755	5	1	12	22.52
64QAM	706.5	23755	5	1	24	22.15
64QAM	706.5	23755	5	12	0	20.97
64QAM	706.5	23755	5	12	7	21.02
64QAM	706.5	23755	5	12	13	21.00
64QAM	706.5	23755	5	25	0	21.19
64QAM	710	23790	5	1	0	22.01
64QAM	710	23790	5	1	12	22.77
64QAM	710	23790	5	1	24	22.15
64QAM	710	23790	5	12	0	21.08
64QAM	710	23790	5	12	7	21.11
64QAM	710	23790	5	12	13	21.11
64QAM	710	23790	5	25	0	21.03
64QAM	713.5	23825	5	1	0	22.42
64QAM	713.5	23825	5	1	12	22.11
64QAM	713.5	23825	5	1	24	22.19
64QAM	713.5	23825	5	12	0	21.06
64QAM	713.5	23825	5	12	7	21.15
64QAM	713.5	23825	5	12	13	20.99
64QAM	713.5	23825	5	25	0	21.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	23.05
QPSK	709	23780	10	1	25	22.89
QPSK	709	23780	10	1	49	23.12
QPSK	709	23780	10	25	0	22.10
QPSK	709	23780	10	25	12	22.19
QPSK	709	23780	10	25	25	21.99
QPSK	709	23780	10	50	0	22.10
QPSK	710	23790	10	1	0	22.96
QPSK	710	23790	10	1	25	23.10
QPSK	710	23790	10	1	49	22.77
QPSK	710	23790	10	25	0	22.05
QPSK	710	23790	10	25	12	22.04
QPSK	710	23790	10	25	25	22.05
QPSK	710	23790	10	50	0	22.04
QPSK	711	23800	10	1	0	23.09
QPSK	711	23800	10	1	25	23.07
QPSK	711	23800	10	1	49	22.99
QPSK	711	23800	10	25	0	22.06

QPSK	711	23800	10	25	12	21.99
QPSK	711	23800	10	25	25	22.06
QPSK	711	23800	10	50	0	22.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	22.65
16QAM	709	23780	10	1	25	22.58
16QAM	709	23780	10	1	49	22.56
16QAM	709	23780	10	25	0	21.12
16QAM	709	23780	10	25	12	21.10
16QAM	709	23780	10	25	25	21.10
16QAM	709	23780	10	50	0	21.14
16QAM	710	23790	10	1	0	22.34
16QAM	710	23790	10	1	25	22.37
16QAM	710	23790	10	1	49	22.10
16QAM	710	23790	10	25	0	21.13
16QAM	710	23790	10	25	12	21.01
16QAM	710	23790	10	25	25	21.13
16QAM	710	23790	10	50	0	20.92
16QAM	711	23800	10	1	0	22.78
16QAM	711	23800	10	1	25	22.73
16QAM	711	23800	10	1	49	22.37
16QAM	711	23800	10	25	0	21.01
16QAM	711	23800	10	25	12	21.01
16QAM	711	23800	10	25	25	21.05
16QAM	711	23800	10	50	0	21.06
64QAM	709	23780	10	1	0	22.33
64QAM	709	23780	10	1	25	22.11
64QAM	709	23780	10	1	49	22.34
64QAM	709	23780	10	25	0	21.05
64QAM	709	23780	10	25	12	21.15
64QAM	709	23780	10	25	25	21.15
64QAM	709	23780	10	50	0	21.00
64QAM	710	23790	10	1	0	22.16
64QAM	710	23790	10	1	25	22.30
64QAM	710	23790	10	1	49	22.02
64QAM	710	23790	10	25	0	21.12
64QAM	710	23790	10	25	12	21.14
64QAM	710	23790	10	25	25	21.11
64QAM	710	23790	10	50	0	20.99
64QAM	711	23800	10	1	0	22.42
64QAM	711	23800	10	1	25	22.13
64QAM	711	23800	10	1	49	22.25
64QAM	711	23800	10	25	0	21.07
64QAM	711	23800	10	25	12	20.94

64QAM	711	23800	10	25	25	21.06
64QAM	711	23800	10	50	0	20.91

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	Fig.1
17	QPSK	710	23790	5	25	0	4.443	Fig.2
17	QPSK	713.5	23825	5	25	0	4.457	Fig.3
17	QPSK	709	23780	10	50	0	8.889	Fig.4
17	QPSK	710	23790	10	50	0	8.924	Fig.5
17	QPSK	711	23800	10	50	0	8.895	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	4.466	Fig.7
17	16QAM	710	23790	5	25	0	4.447	Fig.8
17	16QAM	713.5	23825	5	25	0	4.456	Fig.9
17	16QAM	709	23780	10	50	0	8.940	Fig.10
17	16QAM	710	23790	10	50	0	8.924	Fig.11
17	16QAM	711	23800	10	50	0	8.917	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	4.466	Fig.13
17	64QAM	710	23790	5	25	0	4.469	Fig.14
17	64QAM	713.5	23825	5	25	0	4.445	Fig.15
17	64QAM	709	23780	10	50	0	8.873	Fig.16
17	64QAM	710	23790	10	50	0	8.929	Fig.17
17	64QAM	711	23800	10	50	0	8.907	Fig.18

Test Mode: QPSK



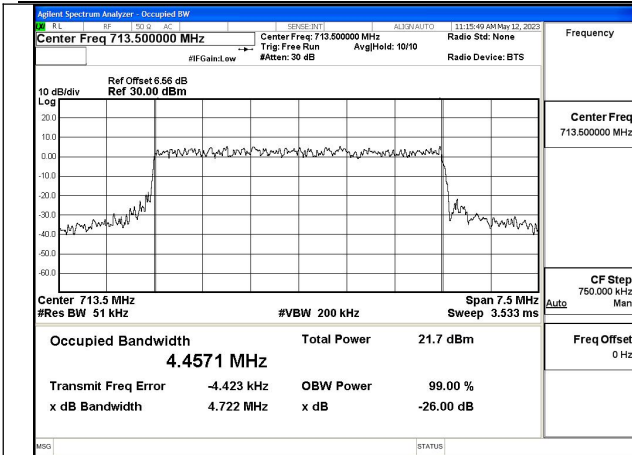


Fig.3

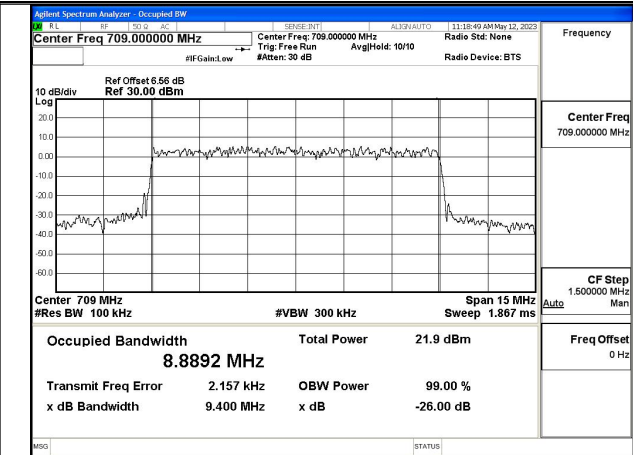


Fig.4

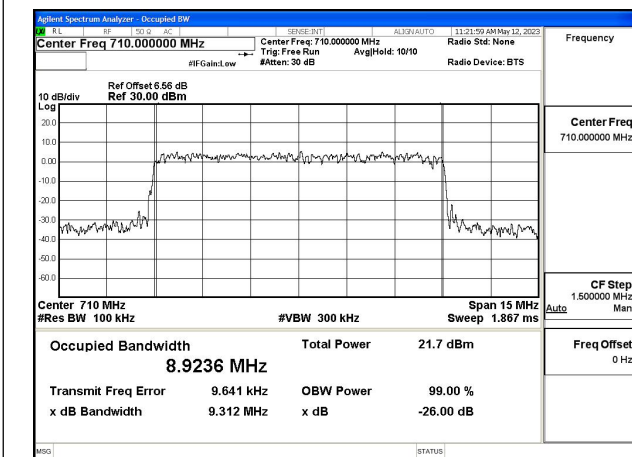


Fig.5

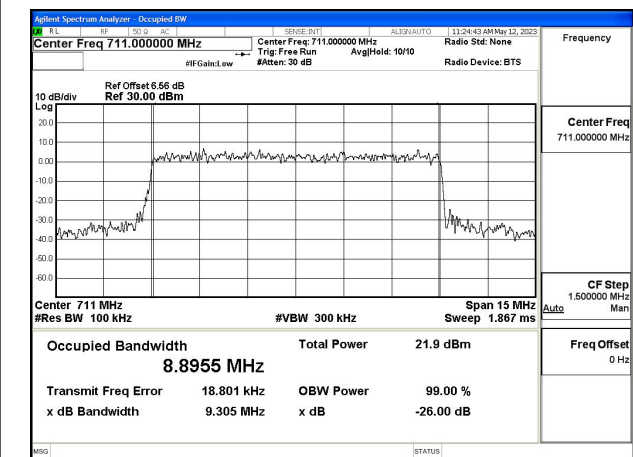


Fig.6

Test Mode: 16QAM

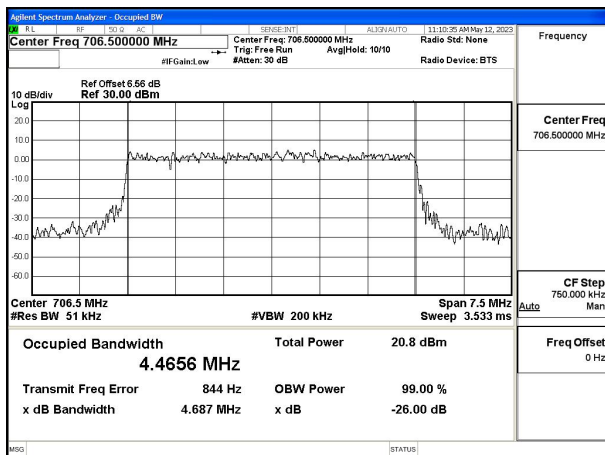


Fig.7

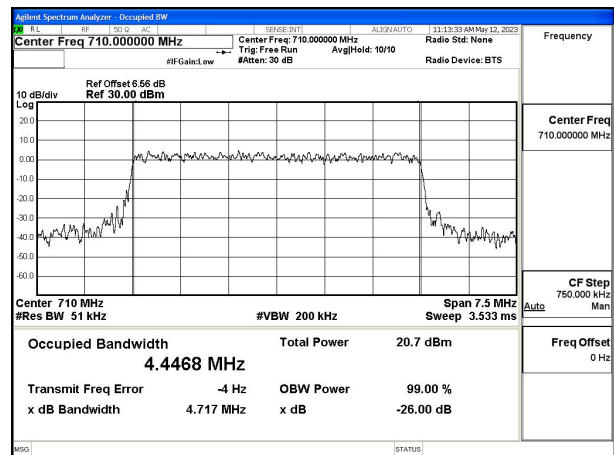


Fig.8

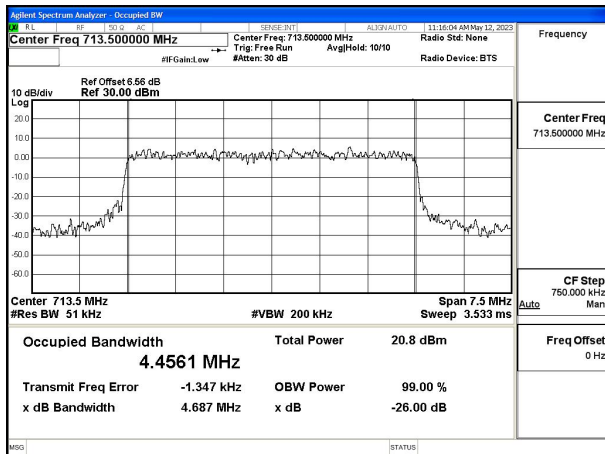


Fig.9

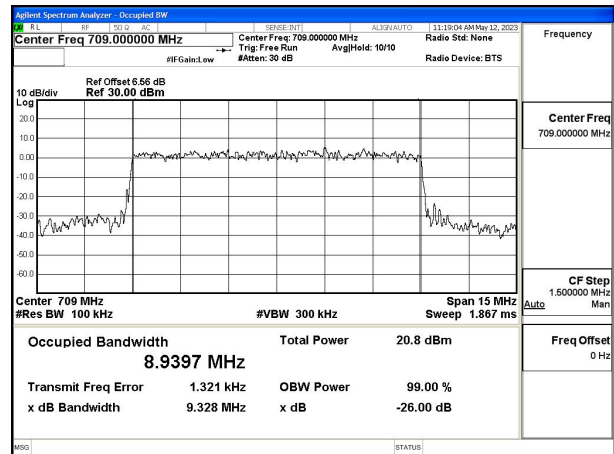


Fig.10

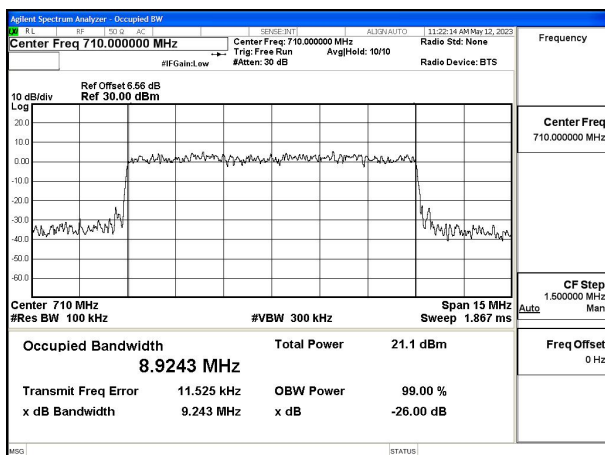


Fig.11

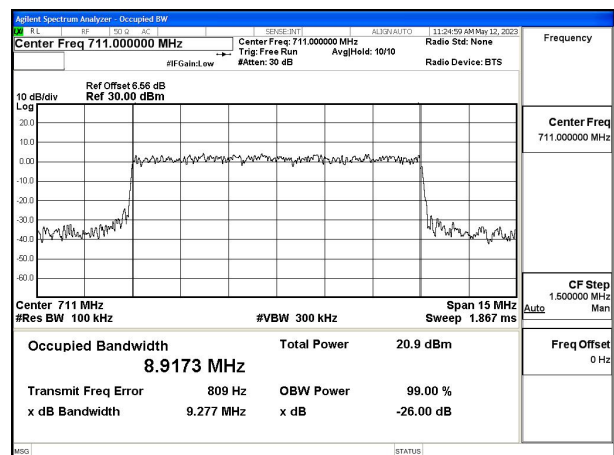


Fig.12

Test Mode: 64QAM

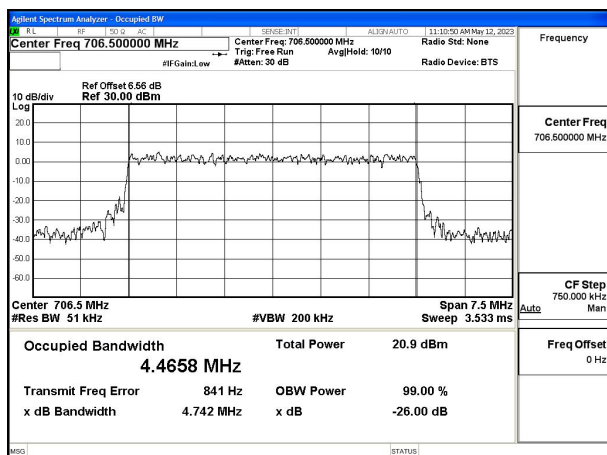


Fig.13

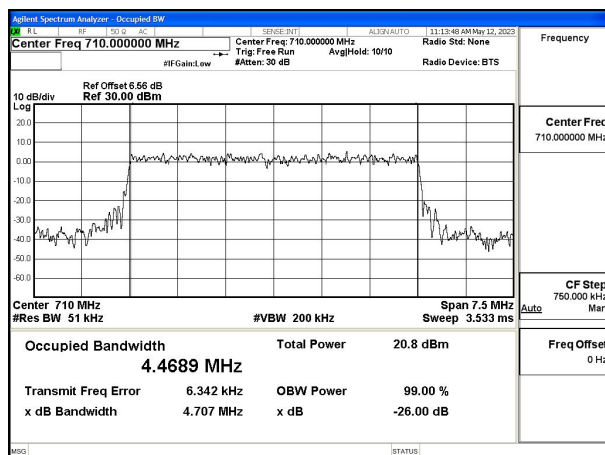


Fig.14

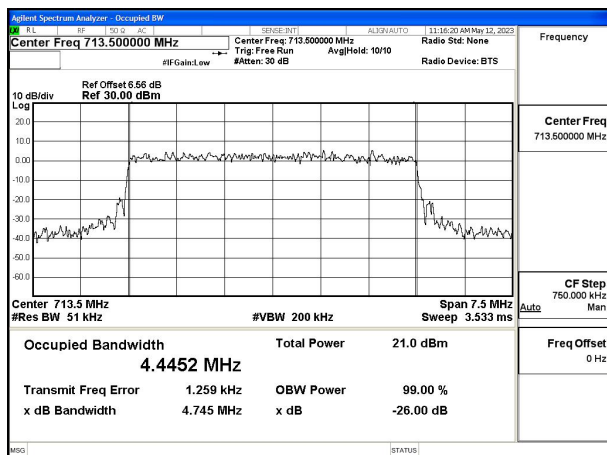


Fig.15

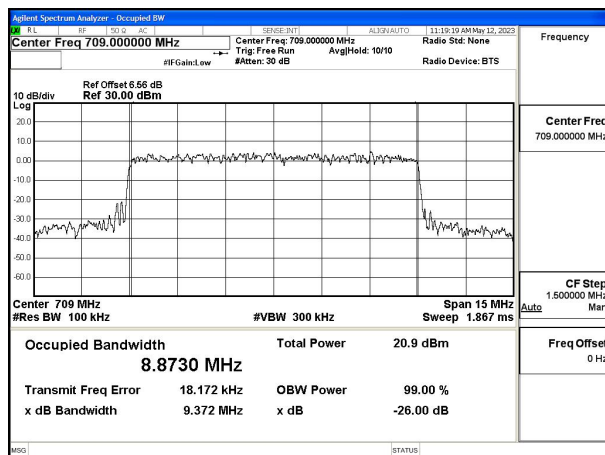


Fig.16

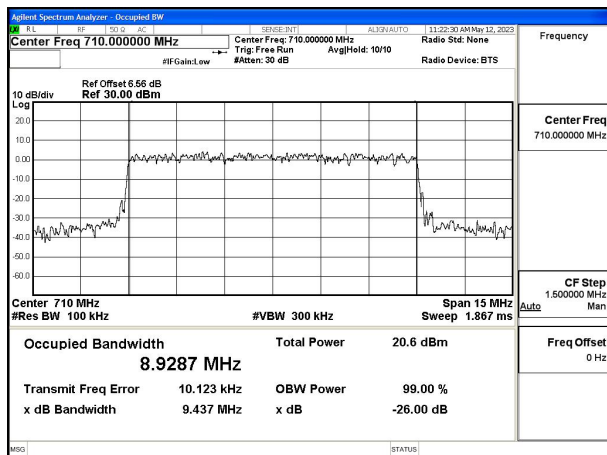


Fig.17

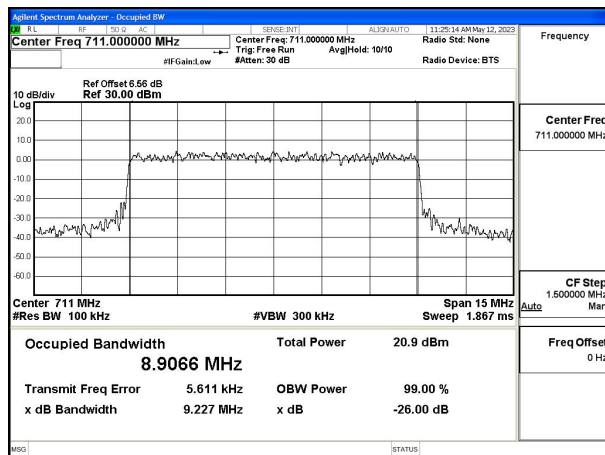


Fig.18

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	4.824	Fig.1
17	QPSK	710	23790	5	25	0	4.708	Fig.2
17	QPSK	713.5	23825	5	25	0	4.722	Fig.3
17	QPSK	709	23780	10	50	0	9.400	Fig.4
17	QPSK	710	23790	10	50	0	9.312	Fig.5
17	QPSK	711	23800	10	50	0	9.305	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	4.687	Fig.7
17	16QAM	710	23790	5	25	0	4.717	Fig.8
17	16QAM	713.5	23825	5	25	0	4.687	Fig.9
17	16QAM	709	23780	10	50	0	9.328	Fig.10
17	16QAM	710	23790	10	50	0	9.243	Fig.11
17	16QAM	711	23800	10	50	0	9.277	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	4.742	Fig.13
17	64QAM	710	23790	5	25	0	4.707	Fig.14
17	64QAM	713.5	23825	5	25	0	4.745	Fig.15
17	64QAM	709	23780	10	50	0	9.372	Fig.16
17	64QAM	710	23790	10	50	0	9.437	Fig.17
17	64QAM	711	23800	10	50	0	9.227	Fig.18

Test Mode: QPSK



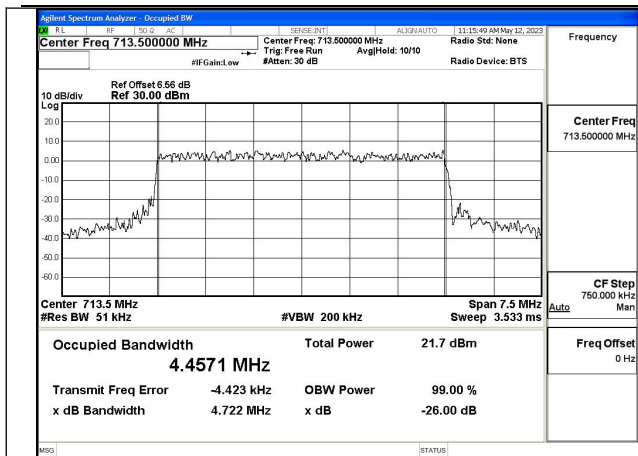


Fig.3

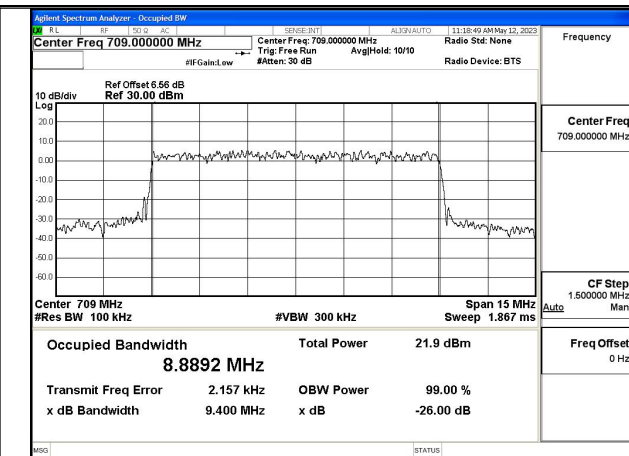


Fig.4

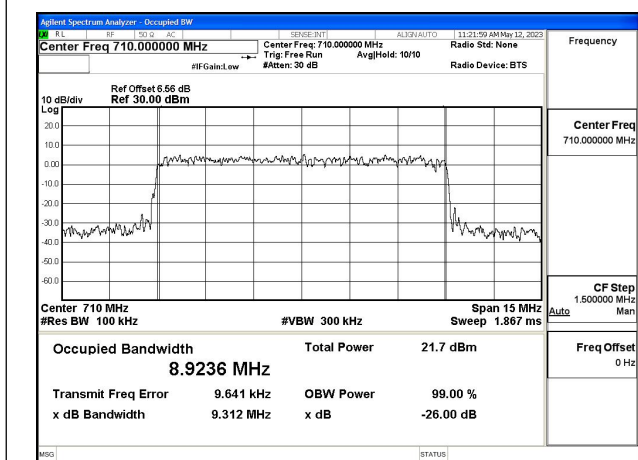


Fig.5

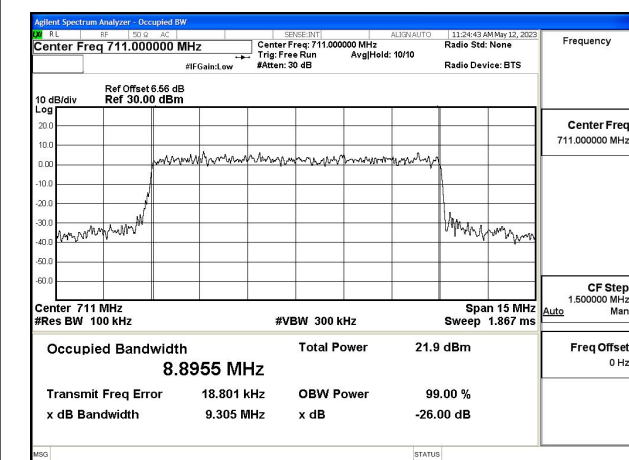


Fig.6

Test Mode: 16QAM

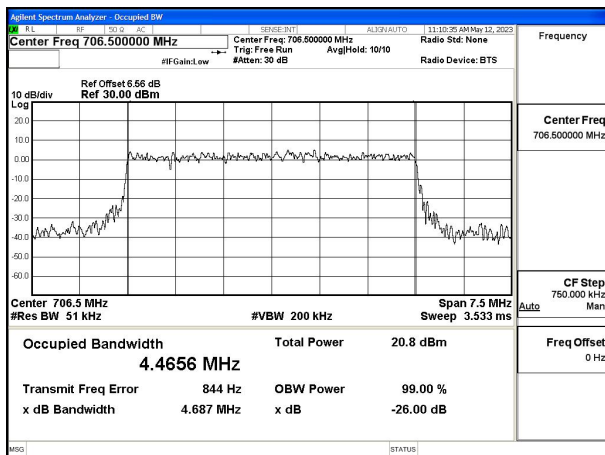


Fig.7

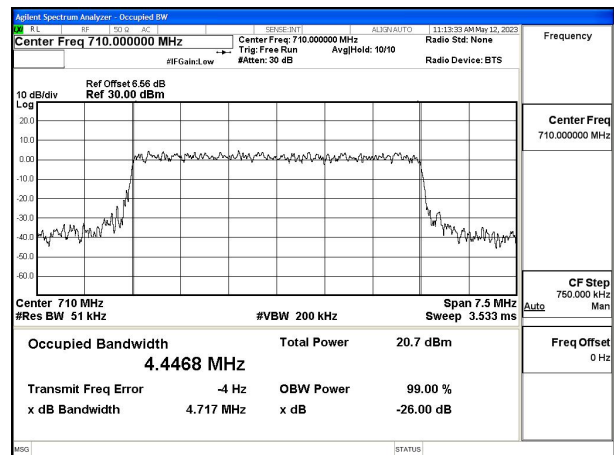


Fig.8

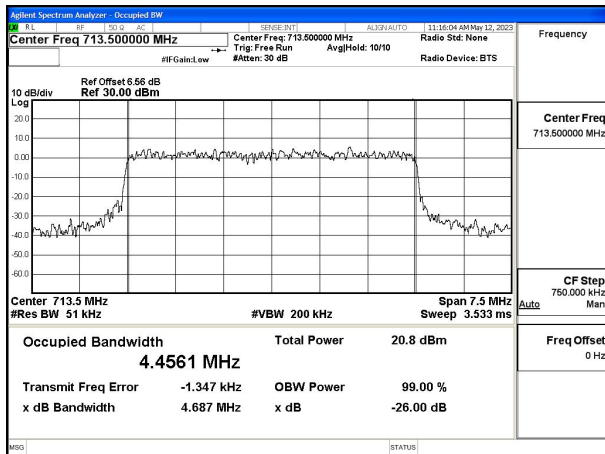


Fig.9

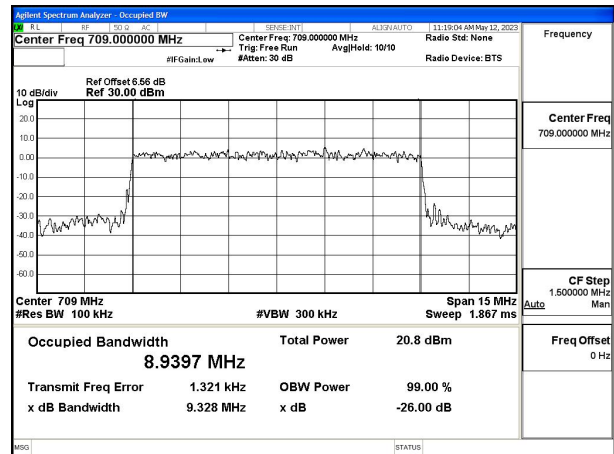


Fig.10

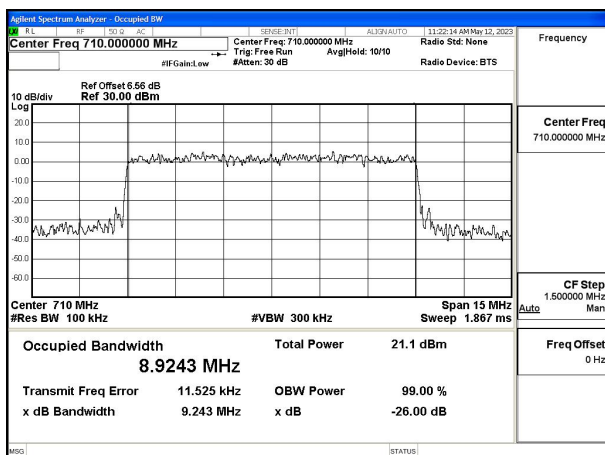


Fig.11

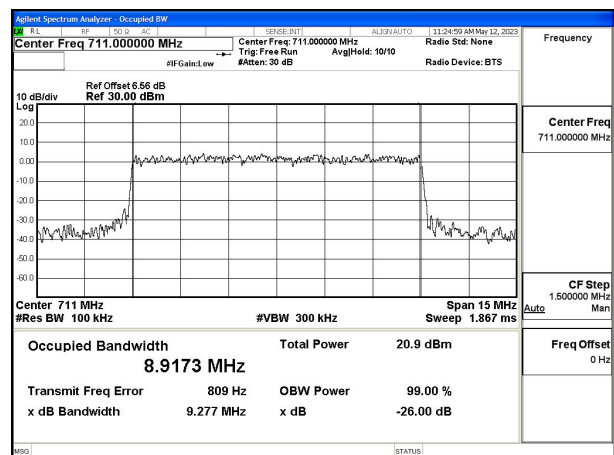


Fig.12

Test Mode: 64QAM

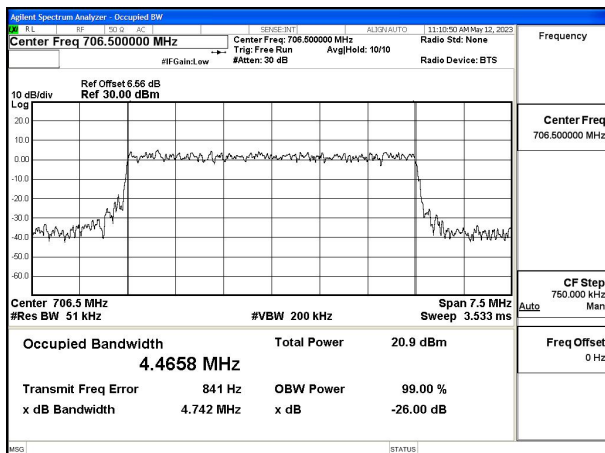


Fig.13

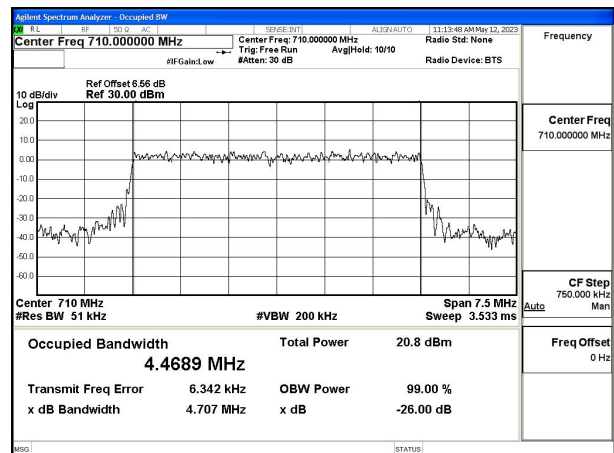


Fig.14

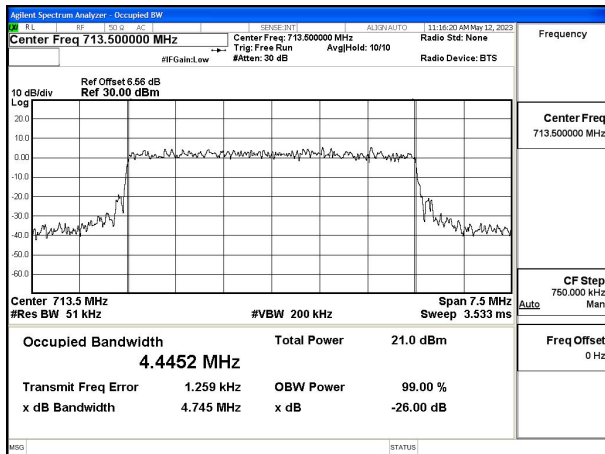


Fig.15

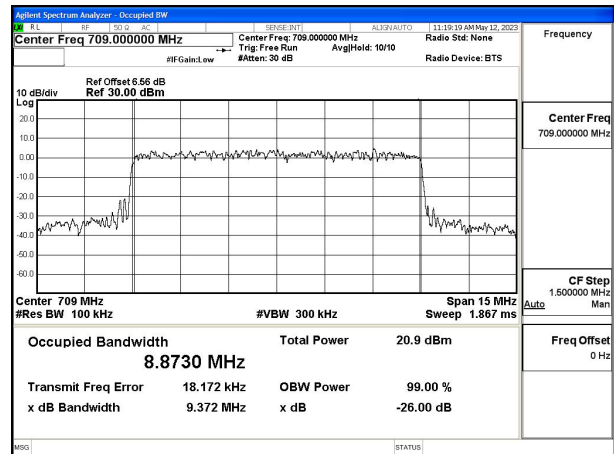


Fig.16

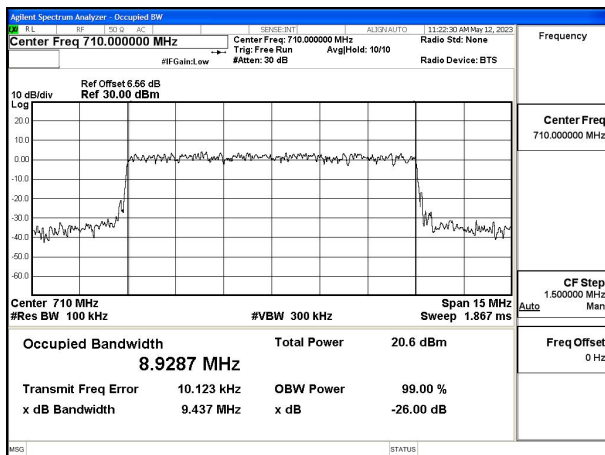


Fig.17

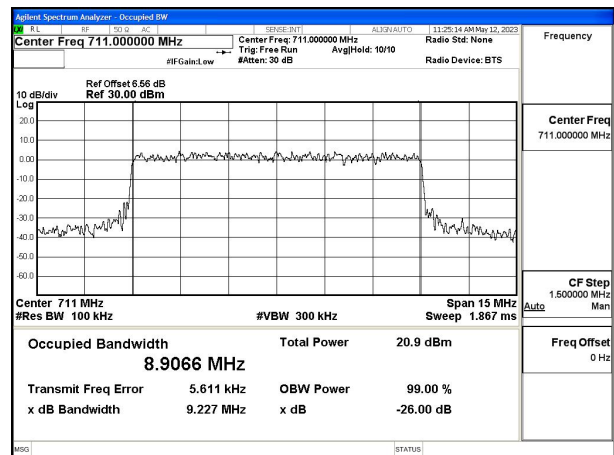


Fig.18

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

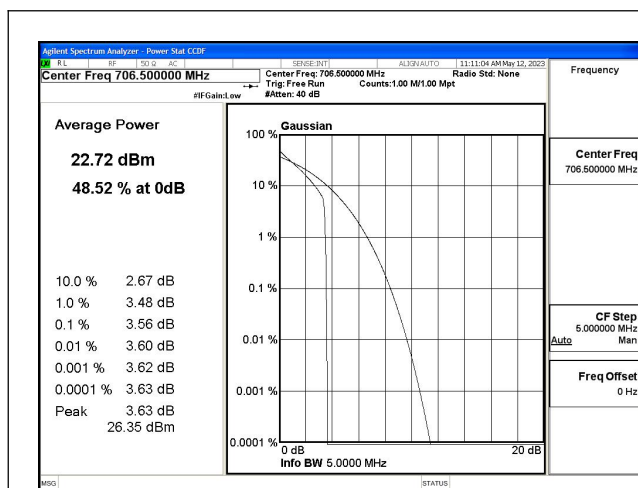


Fig.1

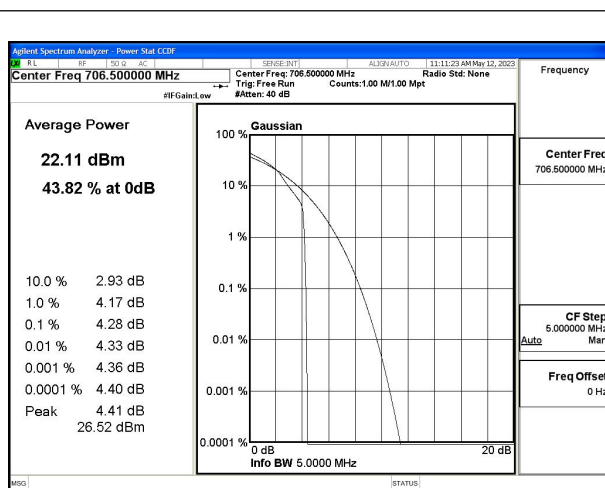


Fig.2

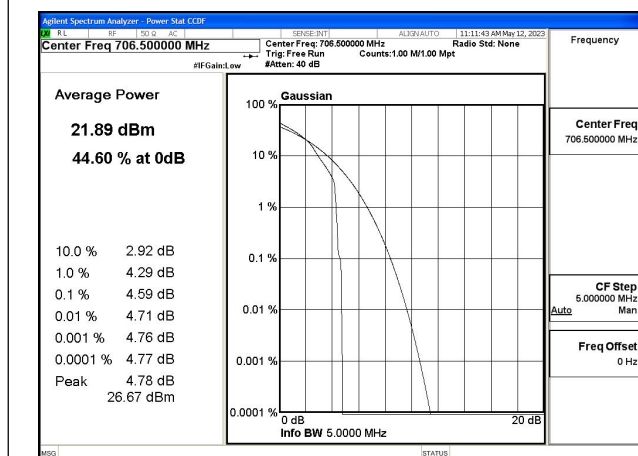


Fig.3

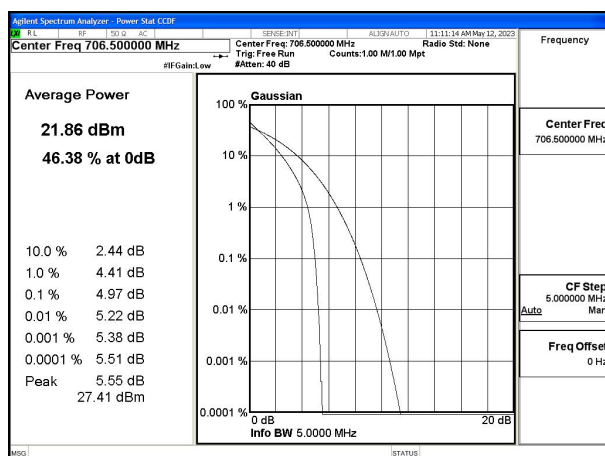


Fig.4

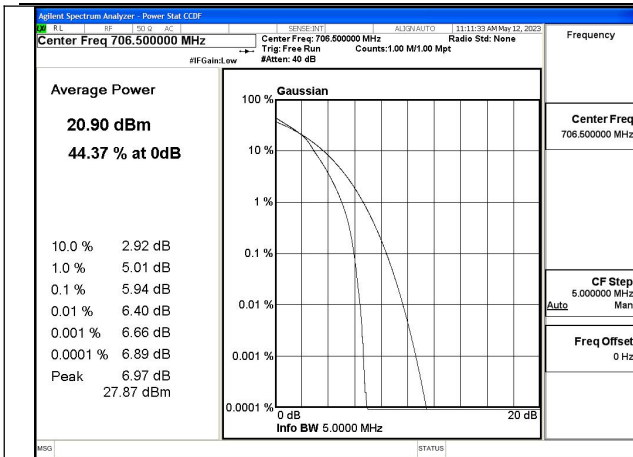


Fig.5

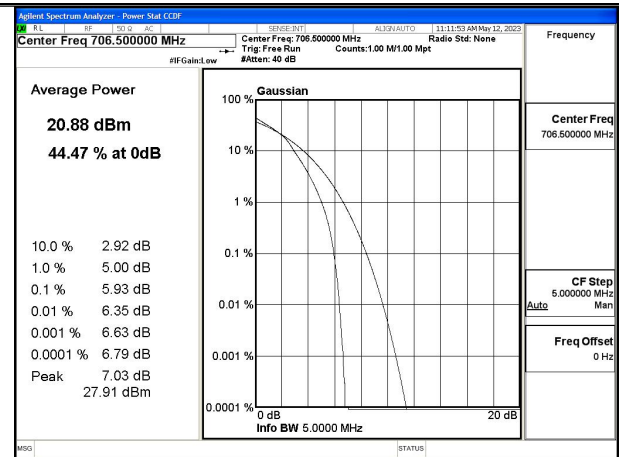


Fig.6

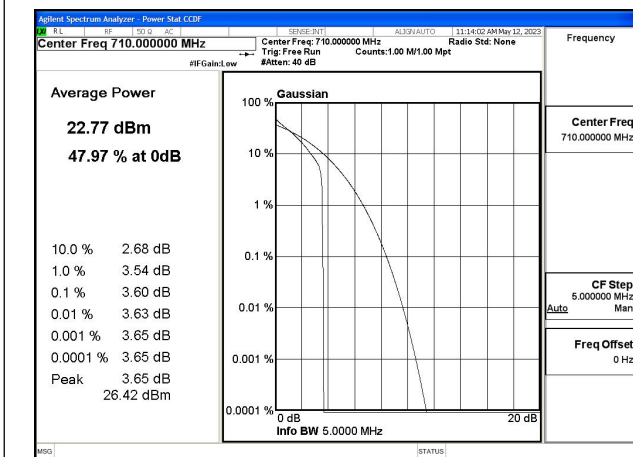


Fig.7

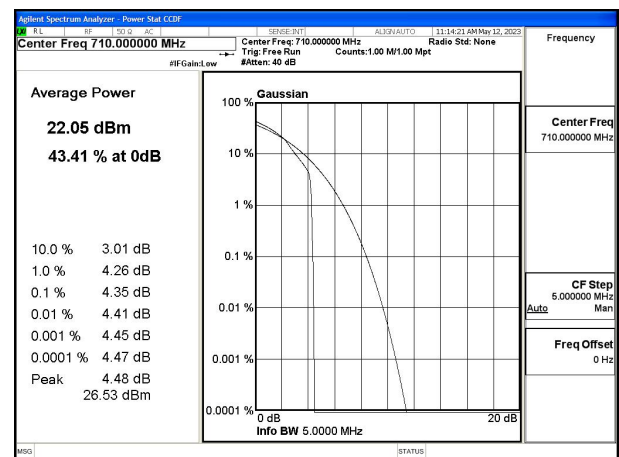


Fig.8

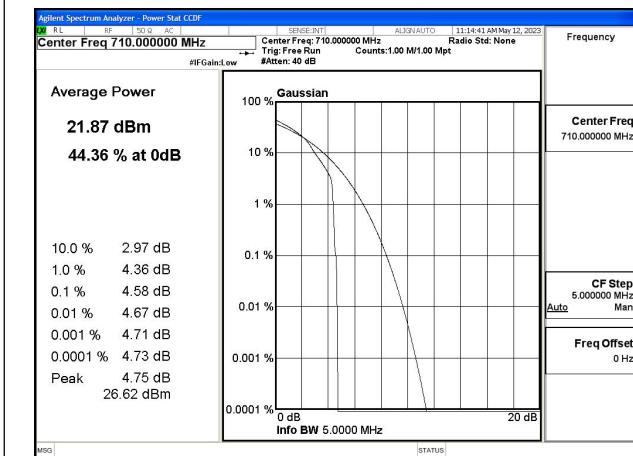


Fig.9

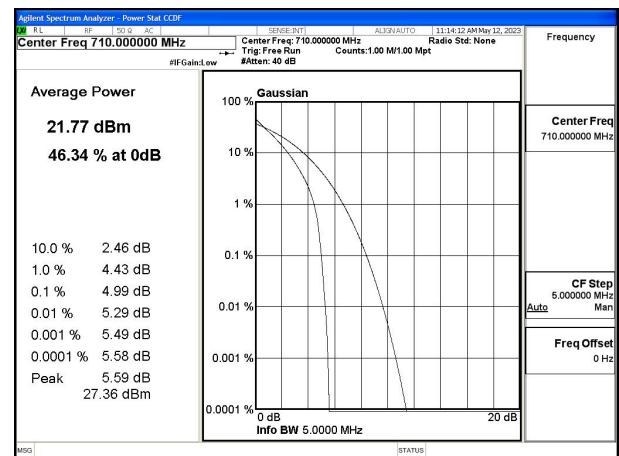


Fig.10