APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 13

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	779.5	23205	5	1	0	23.11
QPSK	779.5	23205	5	1	12	23.07
QPSK	779.5	23205	5	1	24	22.88
QPSK	779.5	23205	5	12	0	21.76
QPSK	779.5	23205	5	12	7	21.98
QPSK	779.5	23205	5	12	13	21.89
QPSK	779.5	23205	5	25	0	21.93
QPSK	782	23230	5	1	0	22.94
QPSK	782	23230	5	1	12	22.96
QPSK	782	23230	5	1	24	22.89
QPSK	782	23230	5	12	0	21.89
QPSK	782	23230	5	12	7	22.06
QPSK	782	23230	5	12	13	21.92
QPSK	782	23230	5	25	0	21.97
QPSK	784.5	23255	5	1	0	22.97
QPSK	784.5	23255	5	1	12	23.02
QPSK	784.5	23255	5	1	24	22.84
QPSK	784.5	23255	5	12	0	21.85
QPSK	784.5	23255	5	12	7	21.79
QPSK	784.5	23255	5	12	13	21.84
QPSK	784.5	23255	5	25	0	21.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	779.5	23205	5	1	0	21.93
16QAM	779.5	23205	5	1	12	22.85
16QAM	779.5	23205	5	1	24	22.31
16QAM	779.5	23205	5	12	0	20.83
16QAM	779.5	23205	5	12	7	20.91
16QAM	779.5	23205	5	12	13	21.06
16QAM	779.5	23205	5	25	0	20.97
16QAM	782	23230	5	1	0	22.33
16QAM	782	23230	5	1	12	22.49
16QAM	782	23230	5	1	24	21.94
16QAM	782	23230	5	12	0	20.87
16QAM	782	23230	5	12	7	21.00
16QAM	782	23230	5	12	13	20.94
16QAM	782	23230	5	25	0	20.95
16QAM	784.5	23255	5	1	0	21.81
16QAM	784.5	23255	5	1	12	22.18
16QAM	784.5	23255	5	1	24	22.12
16QAM	784.5	23255	5	12	0	20.86
16QAM	784.5	23255	5	12	7	20.90
16QAM	784.5	23255	5	12	13	20.91
16QAM	784.5	23255	5	25	0	20.83
64QAM	779.5	23205	5	1	0	22.21
64QAM	779.5	23205	5	1	12	21.92
64QAM	779.5	23205	5	1	24	22.29
64QAM	779.5	23205	5	12	0	20.99
64QAM	779.5	23205	5	12	7	21.08
64QAM	779.5	23205	5	12	13	21.06
64QAM	779.5	23205	5	25	0	21.04
64QAM	782	23230	5	1	0	21.82
64QAM	782	23230	5	1	12	21.89
64QAM	782	23230	5	1	24	21.84
64QAM	782	23230	5	12	0	20.74
64QAM	782	23230	5	12	7	20.97
64QAM	782	23230	5	12	13	21.03
64QAM	782	23230	5	25	0	20.89
64QAM	784.5	23255	5	1	0	22.40
64QAM	784.5	23255	5	1	12	22.08
64QAM	784.5	23255	5	1	24	22.21
64QAM	784.5	23255	5	12	0	20.82
64QAM	784.5	23255	5	12	7	20.87
64QAM	784.5	23255	5	12	13	20.84
64QAM	784.5	23255	5	25	0	20.81

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	23.03
QPSK	782	23230	10	1	25	23.01
QPSK	782	23230	10	1	49	22.93
QPSK	782	23230	10	25	0	21.90
QPSK	782	23230	10	25	12	21.92
QPSK	782	23230	10	25	25	21.86
QPSK	782	23230	10	50	0	21.98
QPSK	782	23230	10	1	0	23.04
QPSK	782	23230	10	1	25	22.91
QPSK	782	23230	10	1	49	22.69
QPSK	782	23230	10	25	0	21.88
QPSK	782	23230	10	25	12	21.98
QPSK	782	23230	10	25	25	21.86
QPSK	782	23230	10	50	0	21.90
QPSK	782	23230	10	1	0	23.05
QPSK	782	23230	10	1	25	22.89
QPSK	782	23230	10	1	49	22.88
QPSK	782	23230	10	25	0	21.87
QPSK	782	23230	10	25	12	21.99
QPSK	782	23230	10	25	25	21.87
QPSK	782	23230	10	50	0	22.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	782	23230	10	1	0	22.43
16QAM	782	23230	10	1	25	22.01
16QAM	782	23230	10	1	49	21.80
16QAM	782	23230	10	25	0	20.93
16QAM	782	23230	10	25	12	20.99
16QAM	782	23230	10	25	25	20.96
16QAM	782	23230	10	50	0	20.90
16QAM	782	23230	10	1	0	22.46
16QAM	782	23230	10	1	25	22.16
16QAM	782	23230	10	1	49	22.24
16QAM	782	23230	10	25	0	20.91
16QAM	782	23230	10	25	12	21.03
16QAM	782	23230	10	25	25	20.94
16QAM	782	23230	10	50	0	20.96
16QAM	782	23230	10	1	0	22.76
16QAM	782	23230	10	1	25	21.77
16QAM	782	23230	10	1	49	22.01
16QAM	782	23230	10	25	0	21.03
16QAM	782	23230	10	25	12	20.94
16QAM	782	23230	10	25	25	20.81
16QAM	782	23230	10	50	0	20.95
64QAM	782	23230	10	1	0	22.29
64QAM	782	23230	10	1	25	21.82
64QAM	782	23230	10	1	49	22.19
64QAM	782	23230	10	25	0	20.99
64QAM	782	23230	10	25	12	20.96
64QAM	782	23230	10	25	25	20.94
64QAM	782	23230	10	50	0	20.93
64QAM	782	23230	10	1	0	22.62
64QAM	782	23230	10	1	25	21.96
64QAM	782	23230	10	1	49	21.70
64QAM	782	23230	10	25	0	20.89
64QAM	782	23230	10	25	12	20.87
64QAM	782	23230	10	25	25	20.82
64QAM	782	23230	10	50	0	20.76
64QAM	782	23230	10	1	0	21.81
64QAM	782	23230	10	1	25	21.99
64QAM	782	23230	10	1	49	21.89
64QAM	782	23230	10	25	0	20.95
64QAM	782	23230	10	25	12	21.04
64QAM	782	23230	10	25	25	20.95
64QAM	782	23230	10	50	0	21.02

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	QPSK	779.5	23205	5	25	0	4.437	Fig.1
13	QPSK	782	23230	5	25	0	4.474	Fig.2
13	QPSK	784.5	23255	5	25	0	4.474	Fig.3
13	QPSK	782	23230	10	50	0	8.879	Fig.4
13	QPSK	782	23230	10	50	0	8.885	Fig.5
13	QPSK	782	23230	10	50	0	8.881	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	16QAM	779.5	23205	5	25	0	4.432	Fig.7
13	16QAM	782	23230	5	25	0	4.473	Fig.8
13	16QAM	784.5	23255	5	25	0	4.456	Fig.9
13	16QAM	782	23230	10	50	0	8.889	Fig.10
13	16QAM	782	23230	10	50	0	8.945	Fig.11
13	16QAM	782	23230	10	50	0	8.917	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
13	64QAM	779.5	23205	5	25	0	4.460	Fig.13
13	64QAM	782	23230	5	25	0	4.463	Fig.14
13	64QAM	784.5	23255	5	25	0	4.460	Fig.15
13	64QAM	782	23230	10	50	0	8.909	Fig.16
13	64QAM	782	23230	10	50	0	8.890	Fig.17
13	64QAM	782	23230	10	50	0	8.889	Fig.18

Test Mode: QPSK

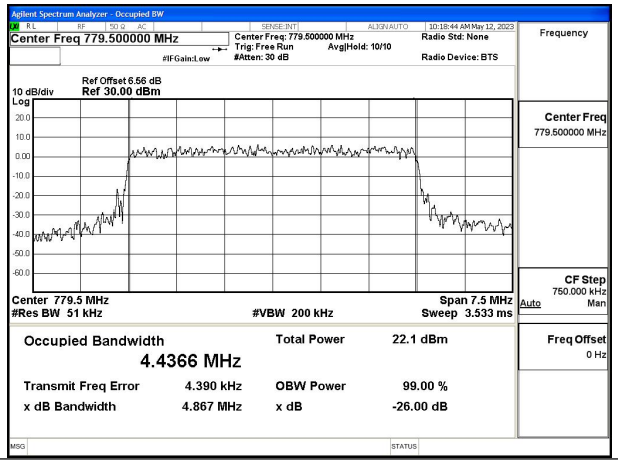

Fig.1

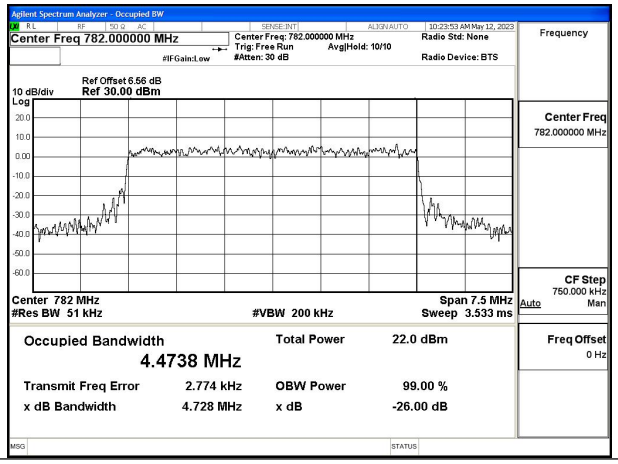

Fig.2

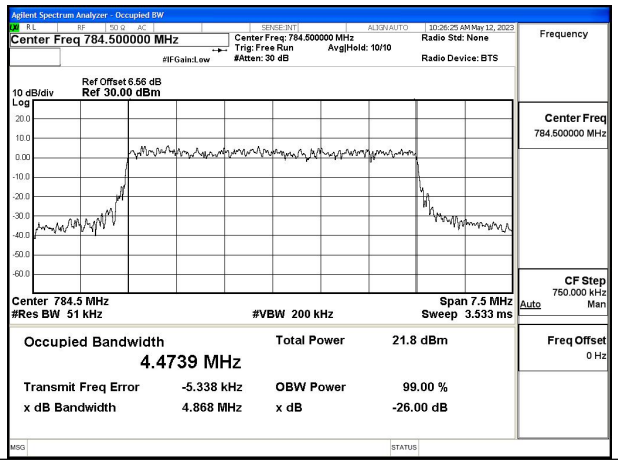

Fig.3

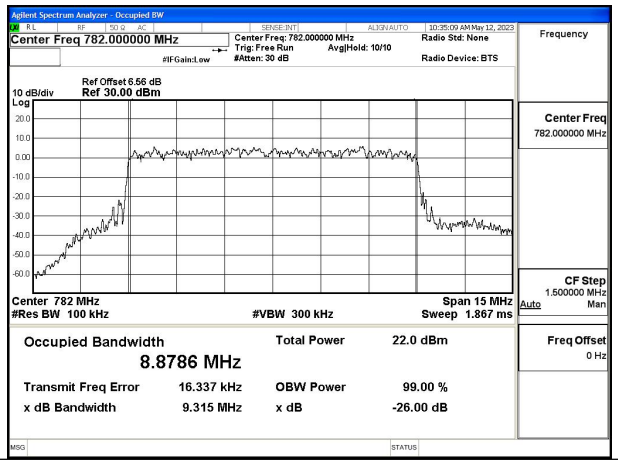

Fig.4

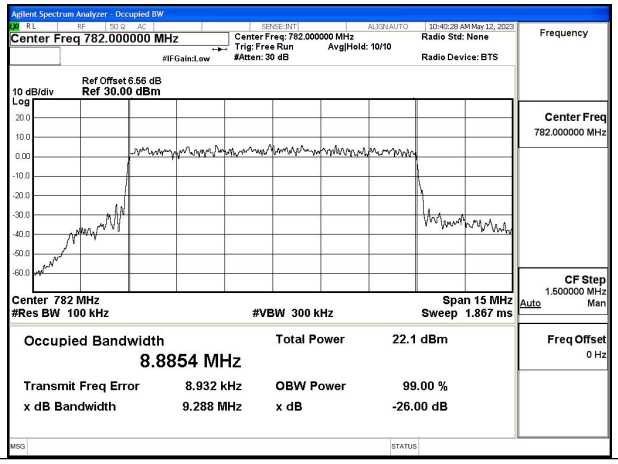

Fig.5

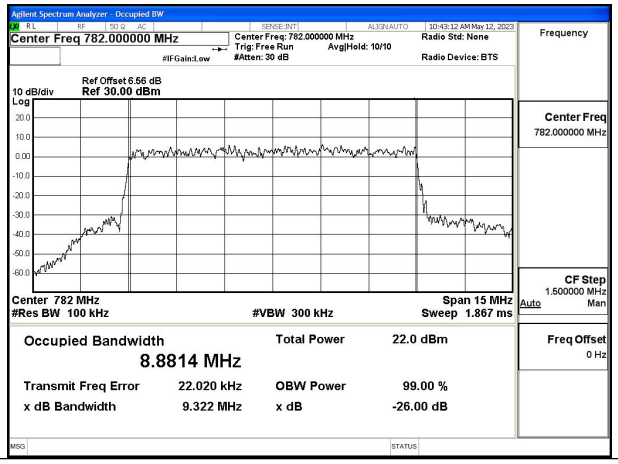

Fig.6

Test Mode: 16QAM

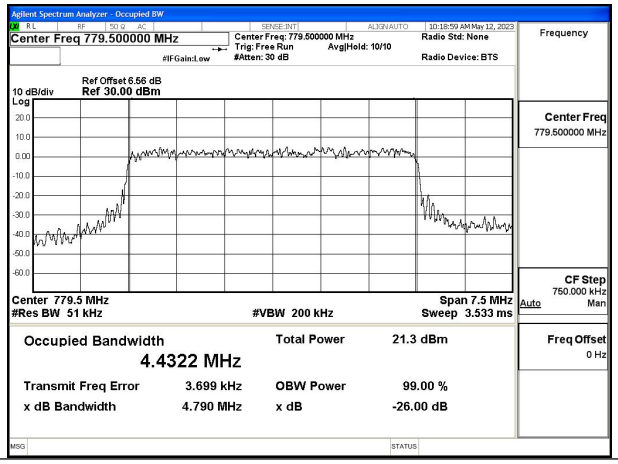

Fig.7

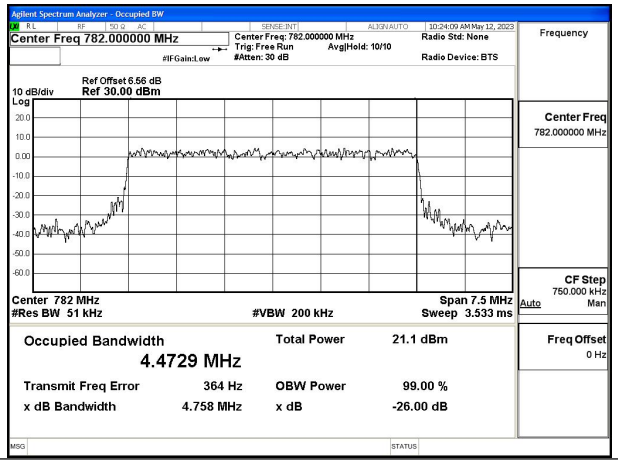

Fig.8

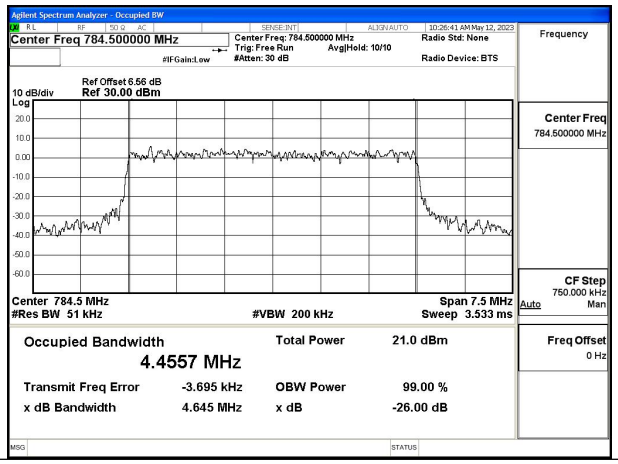

Fig.9

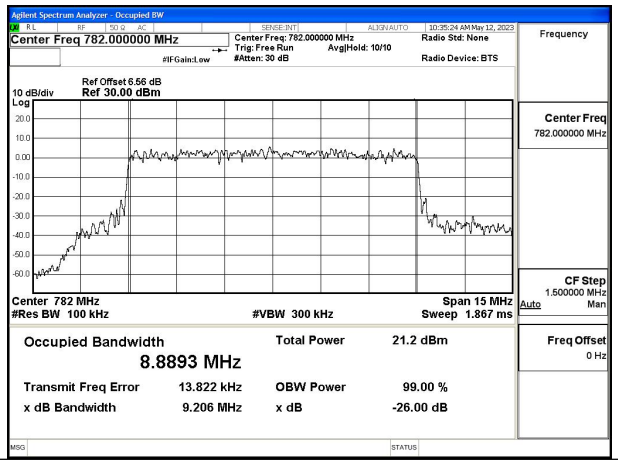

Fig.10

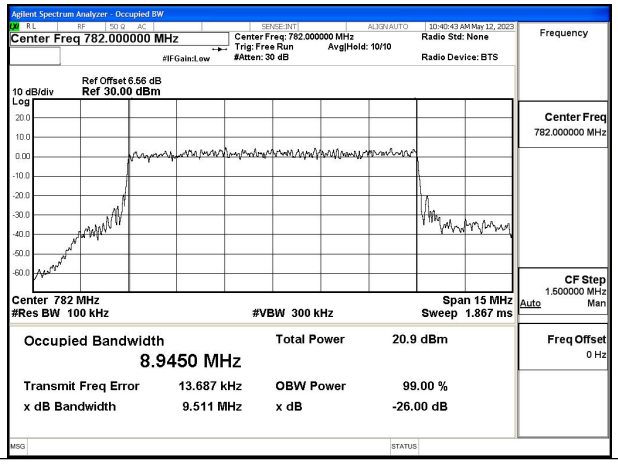

Fig.11

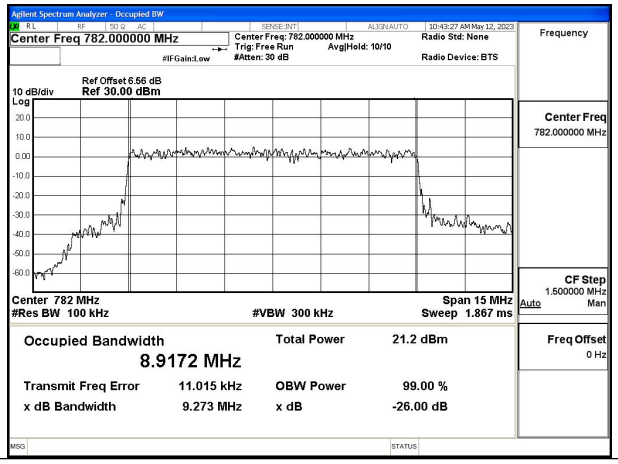

Fig.12

Test Mode: 64QAM

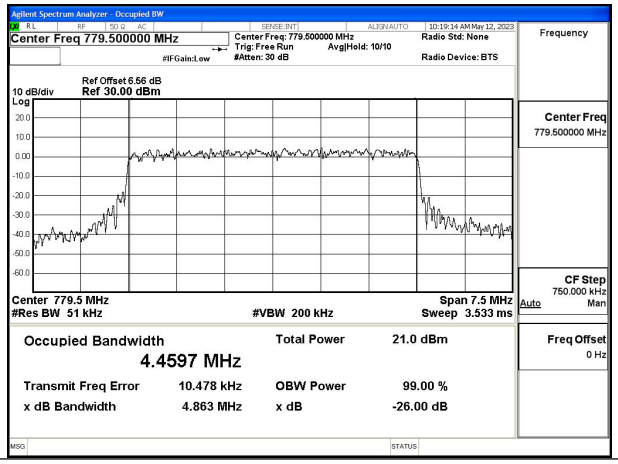

Fig.13

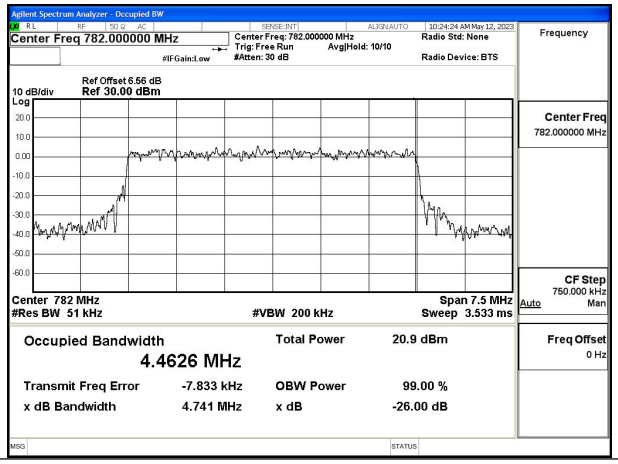

Fig.14

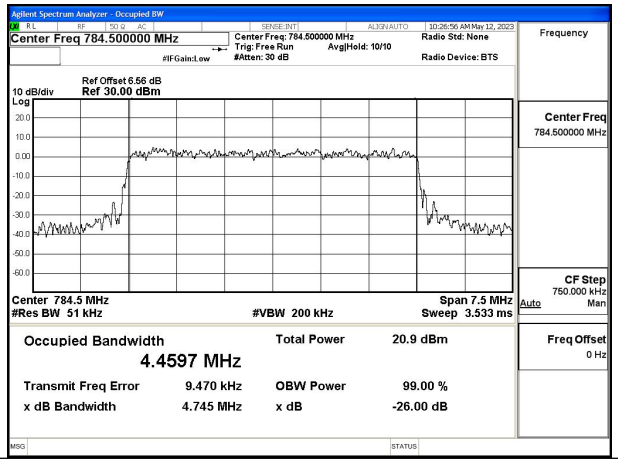

Fig.15

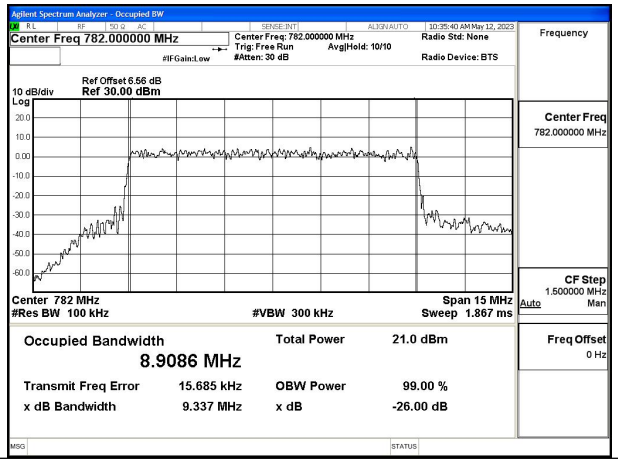

Fig.16

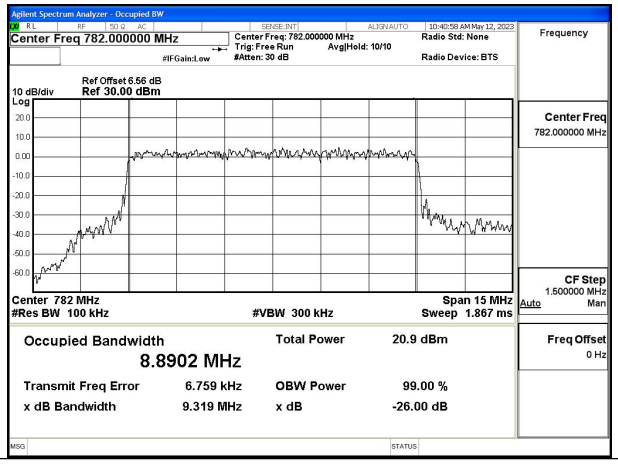

Fig.17

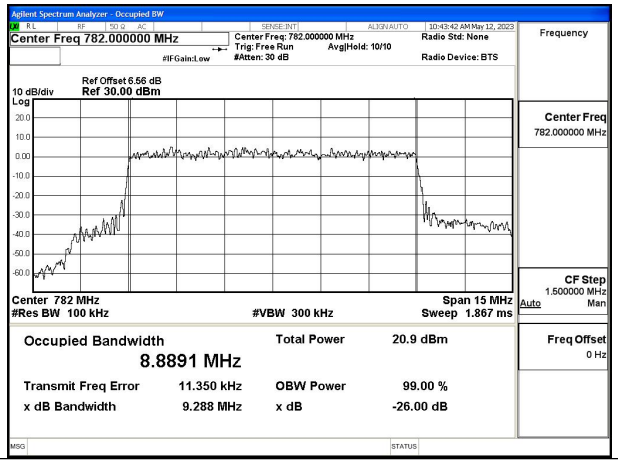

Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	QPSK	779.5	23205	5	25	0	4.867	Fig.1
13	QPSK	782	23230	5	25	0	4.728	Fig.2
13	QPSK	784.5	23255	5	25	0	4.868	Fig.3
13	QPSK	782	23230	10	50	0	9.315	Fig.4
13	QPSK	782	23230	10	50	0	9.288	Fig.5
13	QPSK	782	23230	10	50	0	9.322	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	16QAM	779.5	23205	5	25	0	4.790	Fig.7
13	16QAM	782	23230	5	25	0	4.758	Fig.8
13	16QAM	784.5	23255	5	25	0	4.645	Fig.9
13	16QAM	782	23230	10	50	0	9.206	Fig.10
13	16QAM	782	23230	10	50	0	9.511	Fig.11
13	16QAM	782	23230	10	50	0	9.273	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
13	64QAM	779.5	23205	5	25	0	4.863	Fig.13
13	64QAM	782	23230	5	25	0	4.741	Fig.14
13	64QAM	784.5	23255	5	25	0	4.745	Fig.15
13	64QAM	782	23230	10	50	0	9.337	Fig.16
13	64QAM	782	23230	10	50	0	9.319	Fig.17
13	64QAM	782	23230	10	50	0	9.288	Fig.18

Test Mode: QPSK

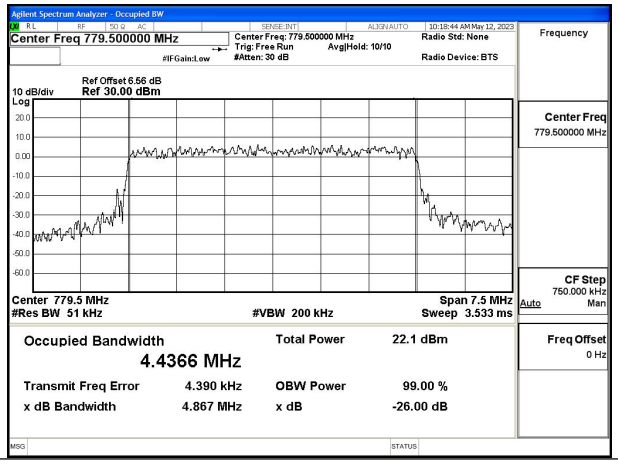

Fig.1

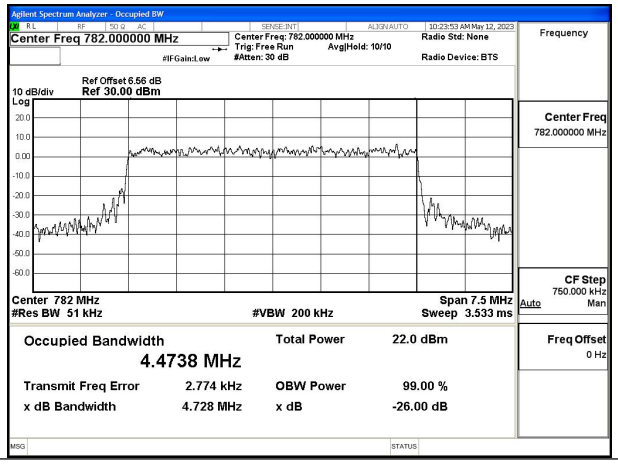

Fig.2

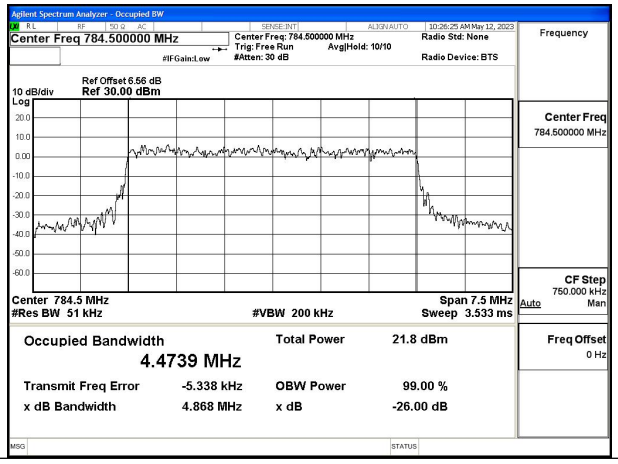

Fig.3

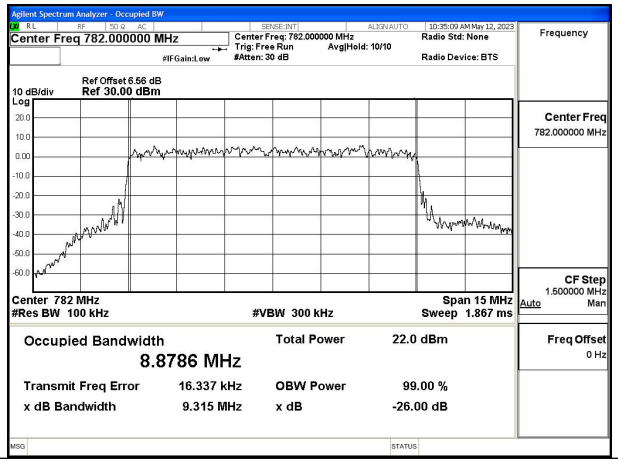

Fig.4

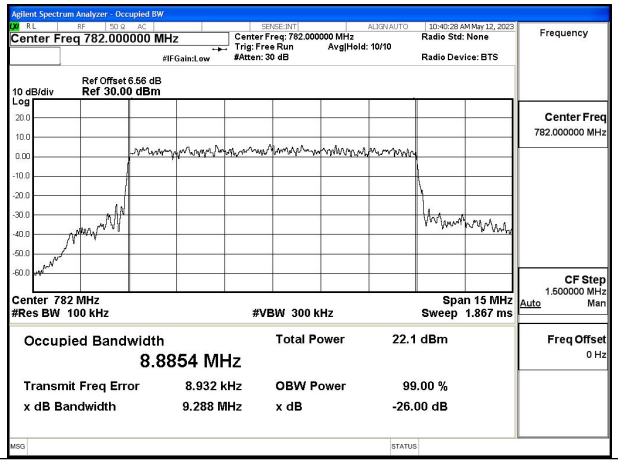

Fig.5

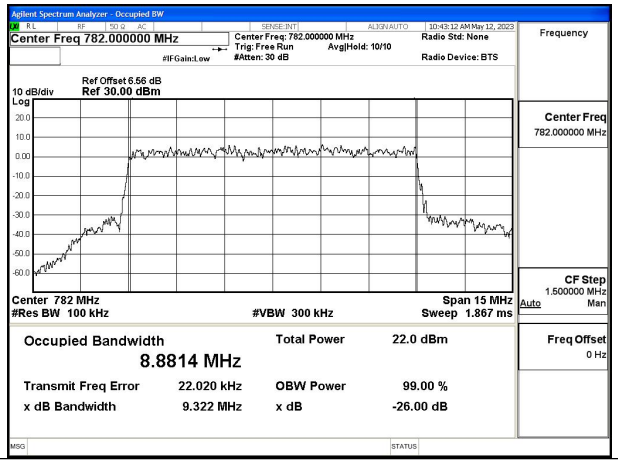

Fig.6

Test Mode: 16QAM

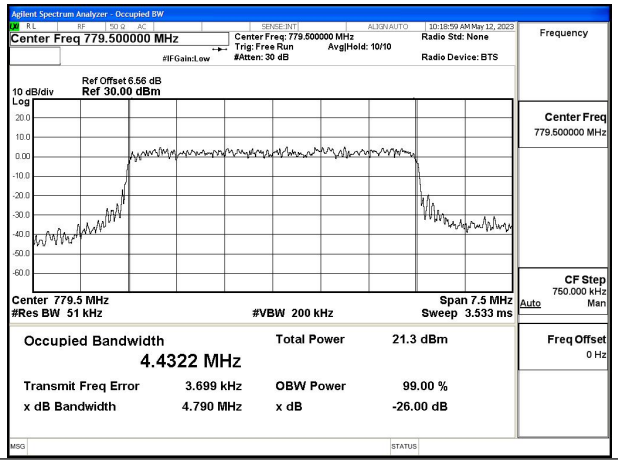

Fig.7

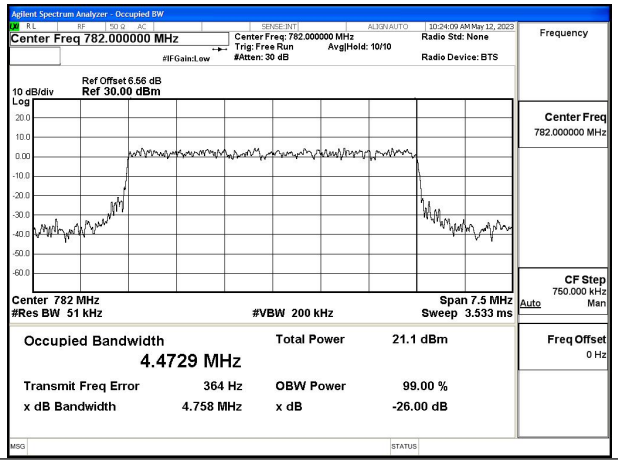

Fig.8

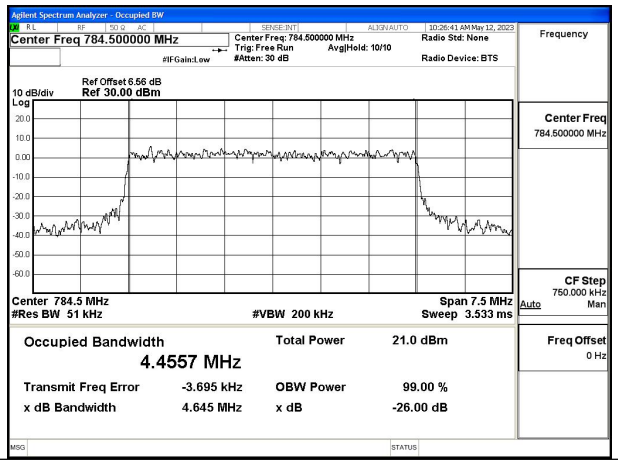

Fig.9

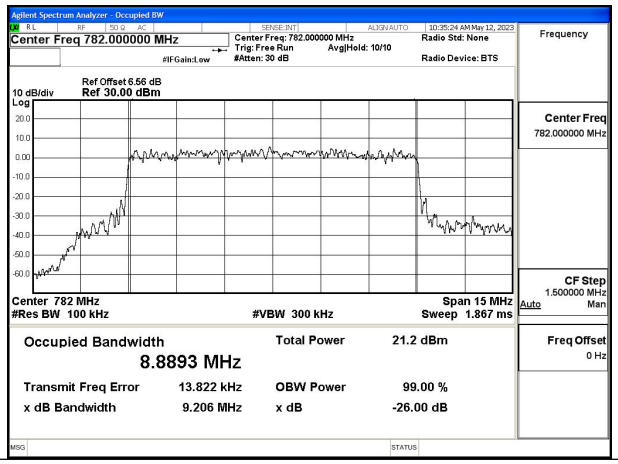

Fig.10

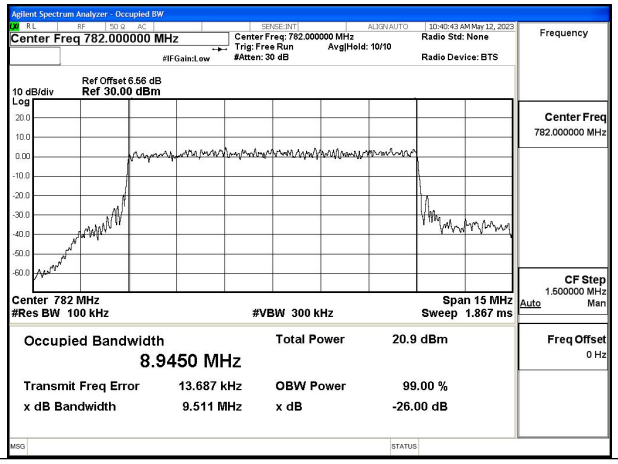

Fig.11

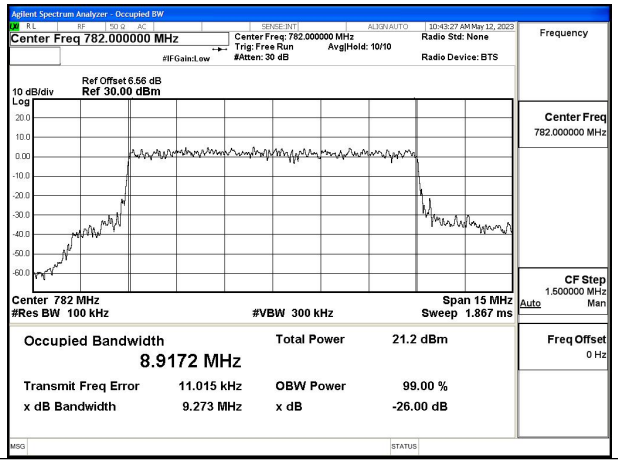

Fig.12

Test Mode: 64QAM

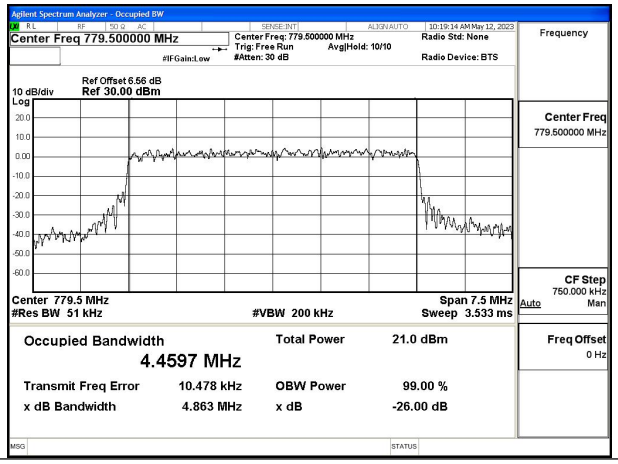

Fig.13

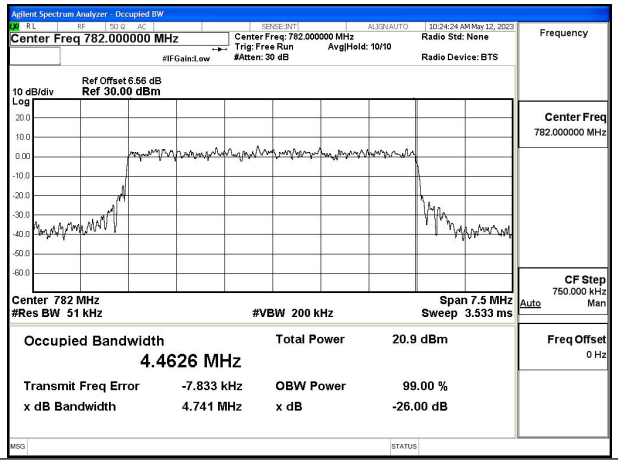

Fig.14

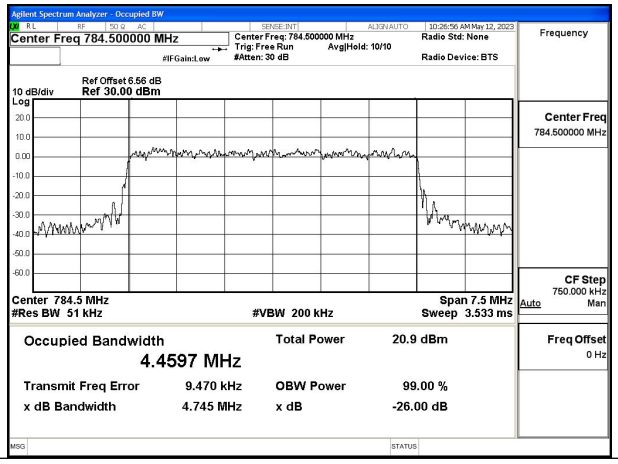

Fig.15

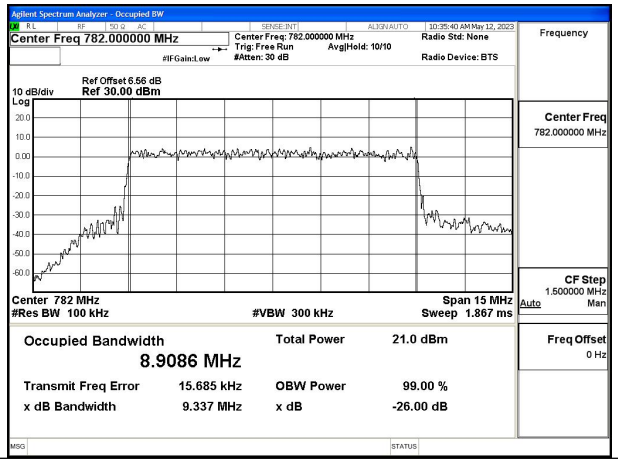

Fig.16

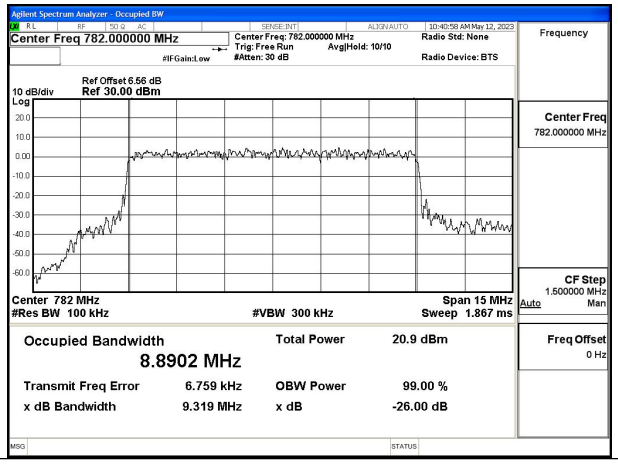

Fig.17

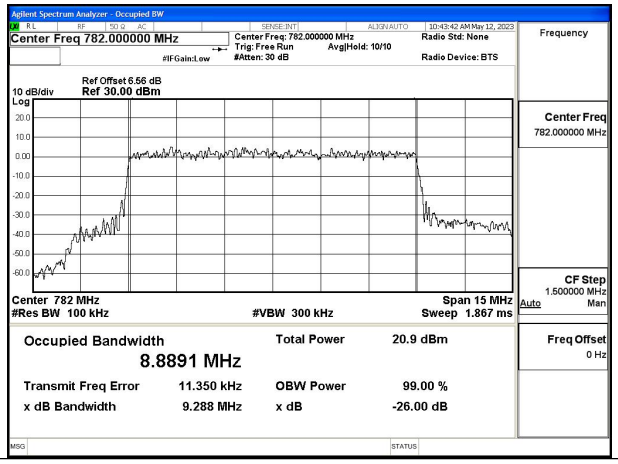

Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
13	779.5	23205	5	1	24	Fig.1	Fig.2	Fig.3
13	779.5	23205	5	25	0	Fig.4	Fig.5	Fig.6
13	782	23230	5	1	24	Fig.7	Fig.8	Fig.9
13	782	23230	5	25	0	Fig.10	Fig.11	Fig.12
13	784.5	23255	5	1	24	Fig.13	Fig.14	Fig.15
13	784.5	23255	5	25	0	Fig.16	Fig.17	Fig.18
13	782	23230	10	1	49	Fig.19	Fig.20	Fig.21
13	782	23230	10	50	0	Fig.22	Fig.23	Fig.24

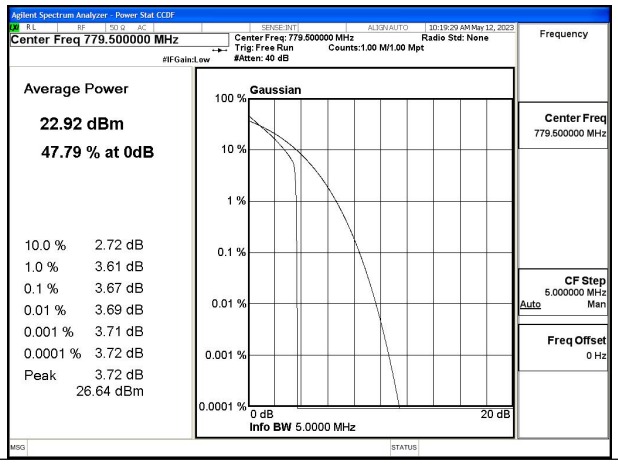

Fig.1

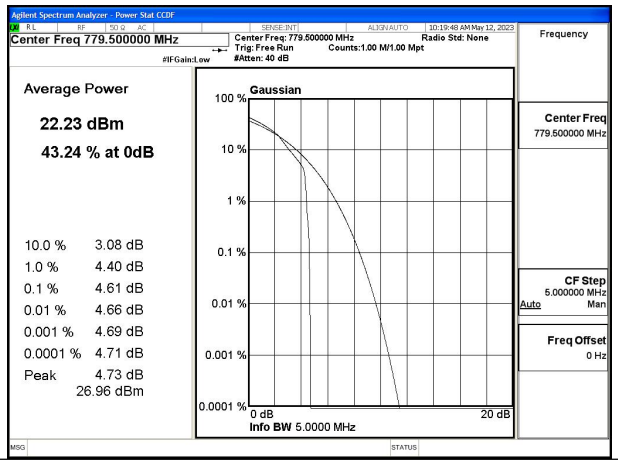

Fig.2

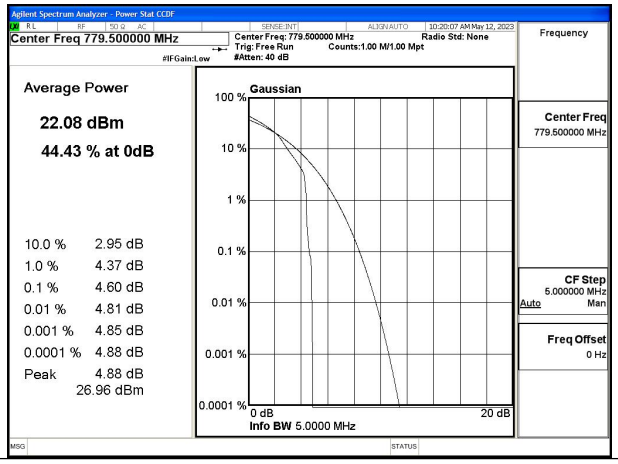

Fig.3

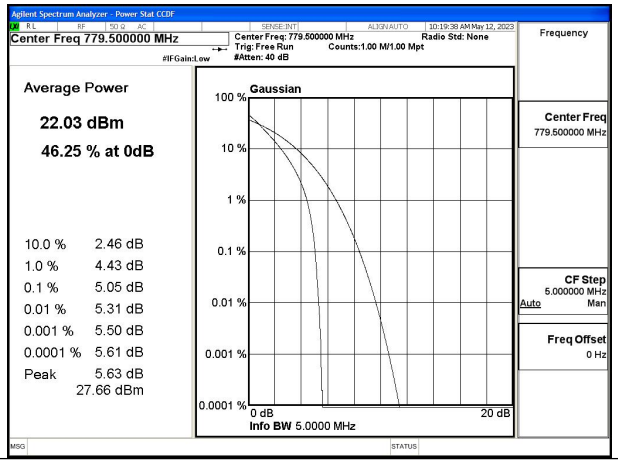

Fig.4

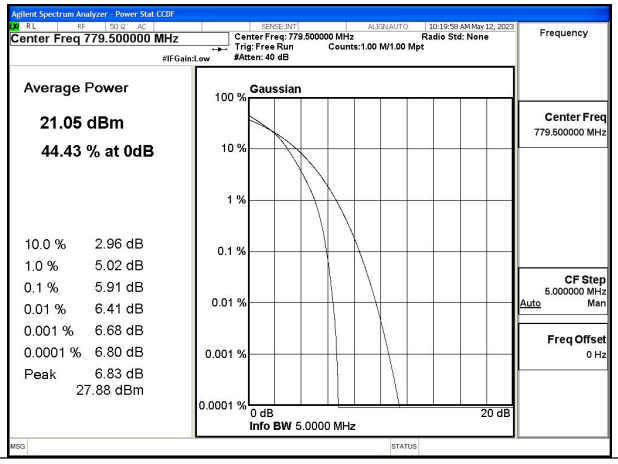

Fig.5

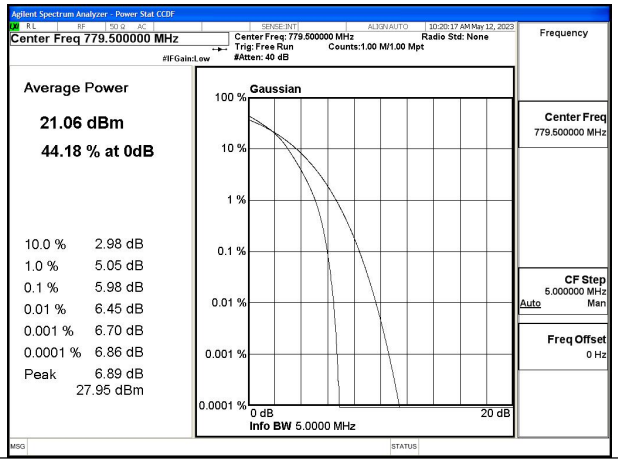

Fig.6