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	23.96
QPSK	779.5	23205	5	1	12	23.87
QPSK	779.5	23205	5	1	24	24.02
QPSK	779.5	23205	5	12	0	22.89
QPSK	779.5	23205	5	12	7	22.83
QPSK	779.5	23205	5	12	13	23.02
QPSK	779.5	23205	5	25	0	22.95
QPSK	782	23230	5	1	0	24.17
QPSK	782	23230	5	1	12	23.90
QPSK	782	23230	5	1	24	23.89
QPSK	782	23230	5	12	0	23.17
QPSK	782	23230	5	12	7	22.89
QPSK	782	23230	5	12	13	22.77
QPSK	782	23230	5	25	0	22.92
QPSK	784.5	23255	5	1	0	24.26
QPSK	784.5	23255	5	1	12	24.07
QPSK	784.5	23255	5	1	24	24.17
QPSK	784.5	23255	5	12	0	22.87
QPSK	784.5	23255	5	12	7	22.77
QPSK	784.5	23255	5	12	13	22.77
QPSK	784.5	23255	5	25	0	22.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	779.5	23205	5	1	0	23.24
16QAM	779.5	23205	5	1	12	23.06
16QAM	779.5	23205	5	1	24	23.17
16QAM	779.5	23205	5	12	0	21.86
16QAM	779.5	23205	5	12	7	22.04
16QAM	779.5	23205	5	12	13	21.96
16QAM	779.5	23205	5	25	0	22.01
16QAM	782	23230	5	1	0	23.14
16QAM	782	23230	5	1	12	23.04
16QAM	782	23230	5	1	24	22.76
16QAM	782	23230	5	12	0	22.18
16QAM	782	23230	5	12	7	22.04
16QAM	782	23230	5	12	13	22.06
16QAM	782	23230	5	25	0	22.25
16QAM	784.5	23255	5	1	0	23.38
16QAM	784.5	23255	5	1	12	23.23
16QAM	784.5	23255	5	1	24	23.28
16QAM	784.5	23255	5	12	0	22.15
16QAM	784.5	23255	5	12	7	22.22
16QAM	784.5	23255	5	12	13	22.09
16QAM	784.5	23255	5	25	0	22.17
64QAM	779.5	23205	5	1	0	21.90
64QAM	779.5	23205	5	1	12	22.13
64QAM	779.5	23205	5	1	24	21.72
64QAM	779.5	23205	5	12	0	20.75
64QAM	779.5	23205	5	12	7	20.41
64QAM	779.5	23205	5	12	13	20.46
64QAM	779.5	23205	5	25	0	20.17
64QAM	782	23230	5	1	0	22.40
64QAM	782	23230	5	1	12	21.93
64QAM	782	23230	5	1	24	22.36
64QAM	782	23230	5	12	0	20.67
64QAM	782	23230	5	12	7	20.93
64QAM	782	23230	5	12	13	20.65
64QAM	782	23230	5	25	0	20.78
64QAM	784.5	23255	5	1	0	22.16
64QAM	784.5	23255	5	1	12	22.27
64QAM	784.5	23255	5	1	24	22.22
64QAM	784.5	23255	5	12	0	20.81
64QAM	784.5	23255	5	12	7	20.64
64QAM	784.5	23255	5	12	13	20.56
64QAM	784.5	23255	5	25	0	20.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	24.30
QPSK	782	23230	10	1	25	24.17
QPSK	782	23230	10	1	49	24.03
QPSK	782	23230	10	25	0	22.99
QPSK	782	23230	10	25	12	23.03
QPSK	782	23230	10	25	25	22.77
QPSK	782	23230	10	50	0	23.11
QPSK	782	23230	10	1	0	23.98
QPSK	782	23230	10	1	25	24.04
QPSK	782	23230	10	1	49	23.88
QPSK	782	23230	10	25	0	23.11
QPSK	782	23230	10	25	12	22.91
QPSK	782	23230	10	25	25	22.76
QPSK	782	23230	10	50	0	22.94
QPSK	782	23230	10	1	0	24.30
QPSK	782	23230	10	1	25	24.33
QPSK	782	23230	10	1	49	24.20
QPSK	782	23230	10	25	0	22.98
QPSK	782	23230	10	25	12	23.02
QPSK	782	23230	10	25	25	23.02
QPSK	782	23230	10	50	0	22.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	782	23230	10	1	0	23.38
16QAM	782	23230	10	1	25	22.85
16QAM	782	23230	10	1	49	23.24
16QAM	782	23230	10	25	0	21.98
16QAM	782	23230	10	25	12	21.83
16QAM	782	23230	10	25	25	22.19
16QAM	782	23230	10	50	0	21.98
16QAM	782	23230	10	1	0	23.68
16QAM	782	23230	10	1	25	23.23
16QAM	782	23230	10	1	49	23.02
16QAM	782	23230	10	25	0	21.98
16QAM	782	23230	10	25	12	21.79
16QAM	782	23230	10	25	25	21.99
16QAM	782	23230	10	50	0	22.14
16QAM	782	23230	10	1	0	22.62
16QAM	782	23230	10	1	25	23.10
16QAM	782	23230	10	1	49	23.25
16QAM	782	23230	10	25	0	22.24
16QAM	782	23230	10	25	12	22.21
16QAM	782	23230	10	25	25	22.48
16QAM	782	23230	10	50	0	21.99
64QAM	782	23230	10	1	0	22.04
64QAM	782	23230	10	1	25	21.96
64QAM	782	23230	10	1	49	22.43
64QAM	782	23230	10	25	0	20.69
64QAM	782	23230	10	25	12	21.00
64QAM	782	23230	10	25	25	20.75
64QAM	782	23230	10	50	0	20.73
64QAM	782	23230	10	1	0	22.05
64QAM	782	23230	10	1	25	22.16
64QAM	782	23230	10	1	49	21.88
64QAM	782	23230	10	25	0	20.33
64QAM	782	23230	10	25	12	20.55
64QAM	782	23230	10	25	25	20.62
64QAM	782	23230	10	50	0	20.75
64QAM	782	23230	10	1	0	22.31
64QAM	782	23230	10	1	25	22.09
64QAM	782	23230	10	1	49	22.71
64QAM	782	23230	10	25	0	20.69
64QAM	782	23230	10	25	12	20.85
64QAM	782	23230	10	25	25	20.69
64QAM	782	23230	10	50	0	20.68

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	4.460	Fig.1
13	QPSK	782	23230	5	25	0	4.470	Fig.2
13	QPSK	784.5	23255	5	25	0	4.460	Fig.3
13	QPSK	782	23230	10	50	0	8.900	Fig.4
13	QPSK	782	23230	10	50	0	8.910	Fig.5
13	QPSK	782	23230	10	50	0	8.900	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	4.450	Fig.7
13	16QAM	782	23230	5	25	0	4.460	Fig.8
13	16QAM	784.5	23255	5	25	0	4.460	Fig.9
13	16QAM	782	23230	10	50	0	8.900	Fig.10
13	16QAM	782	23230	10	50	0	8.920	Fig.11
13	16QAM	782	23230	10	50	0	8.920	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	4.460	Fig.14
13	64QAM	784.5	23255	5	25	0	4.460	Fig.15
13	64QAM	782	23230	10	50	0	8.900	Fig.16
13	64QAM	782	23230	10	50	0	8.920	Fig.17
13	64QAM	782	23230	10	50	0	8.930	Fig.18

Test Mode: QPSK

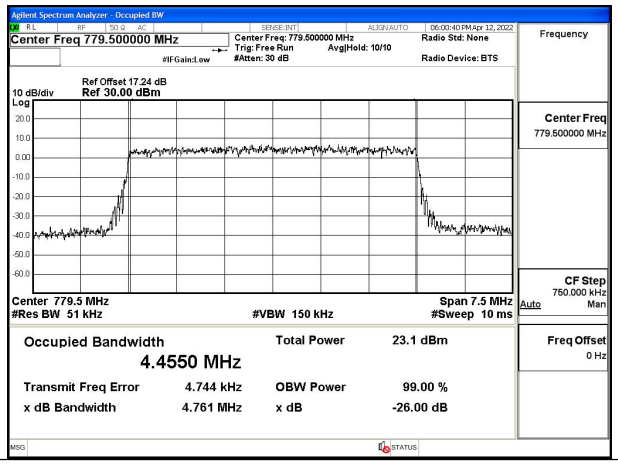

Fig.1

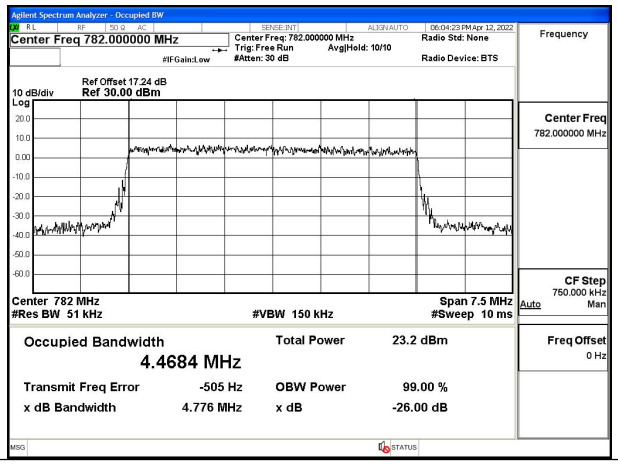

Fig.2

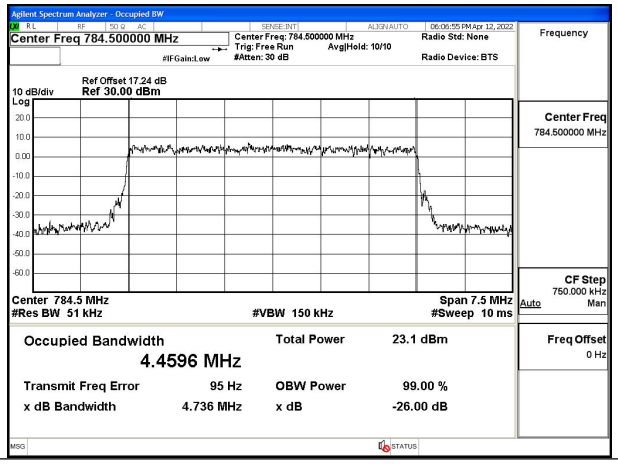

Fig.3

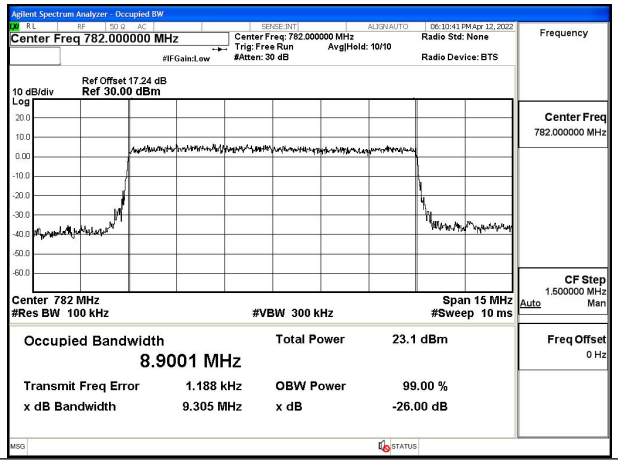

Fig.4

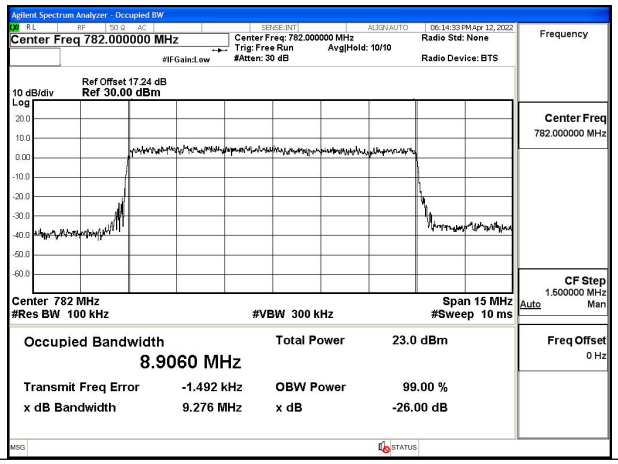

Fig.5

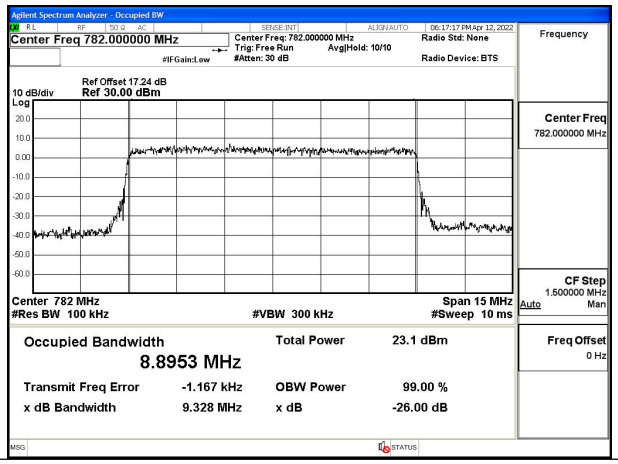

Fig.6

Test Mode: 16QAM

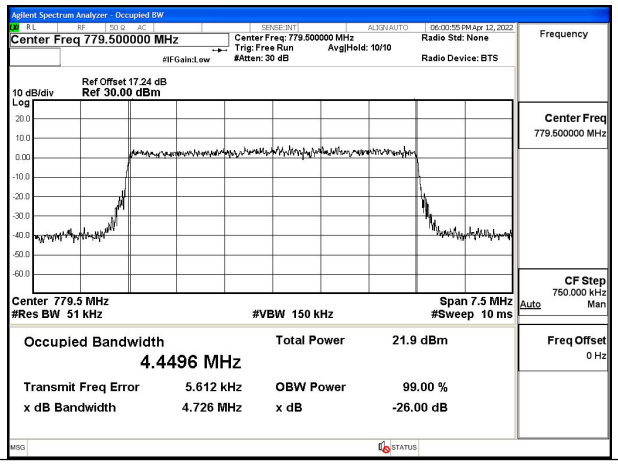

Fig.7

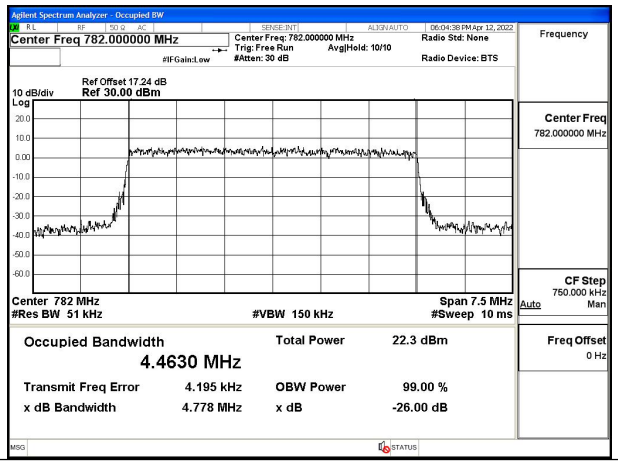

Fig.8

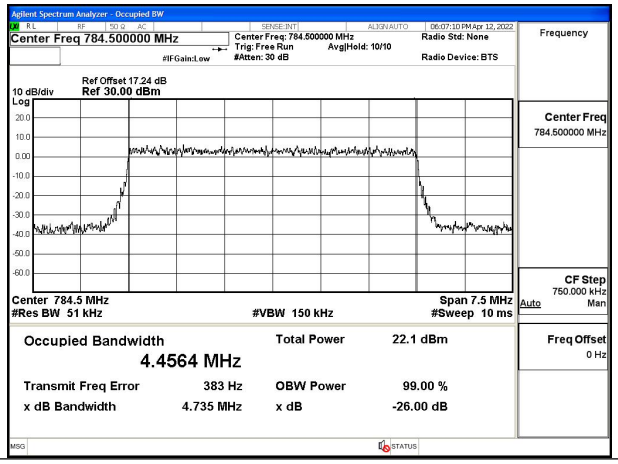

Fig.9

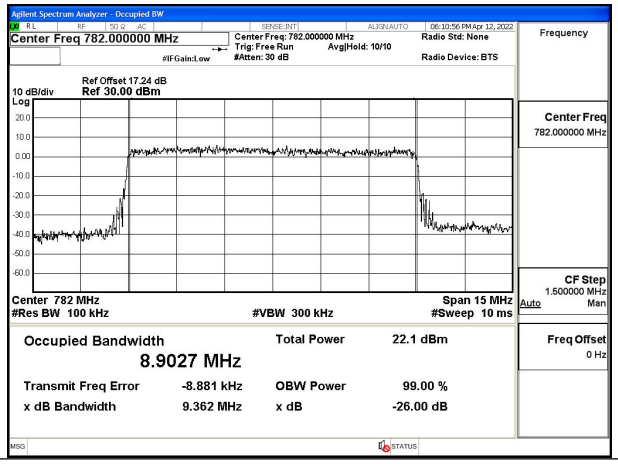

Fig.10

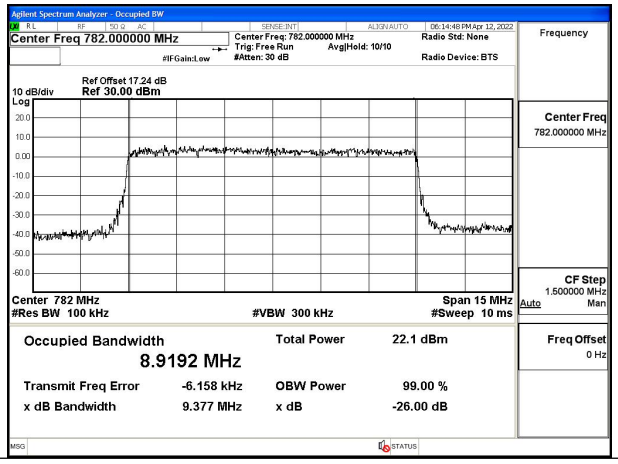

Fig.11

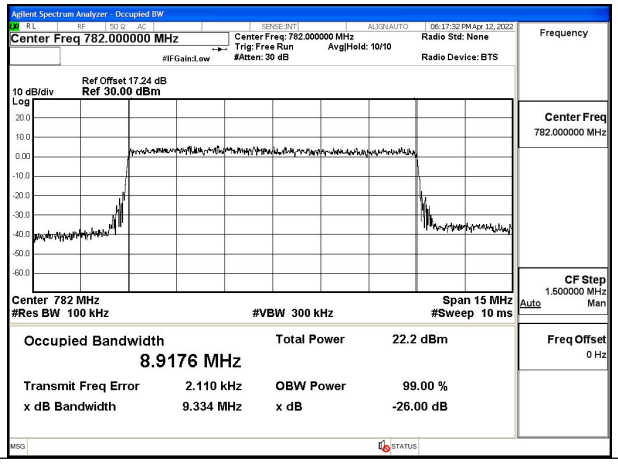

Fig.12

Test Mode: 64QAM

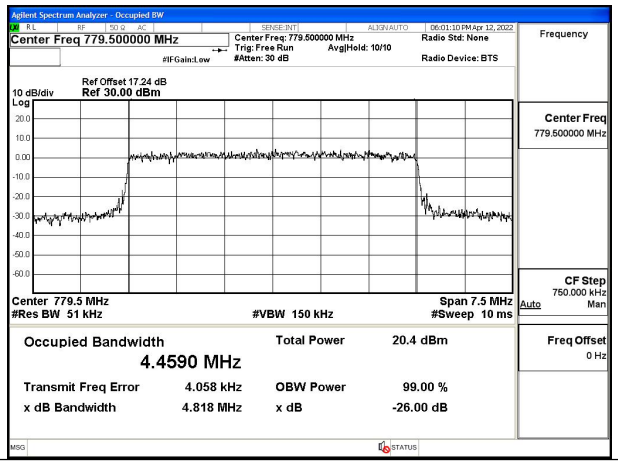

Fig.13

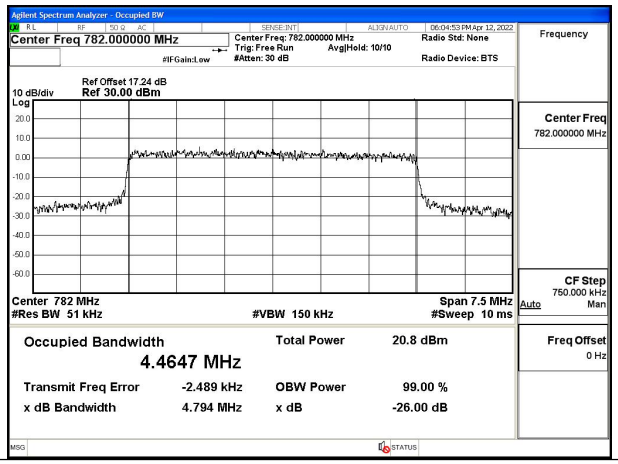

Fig.14

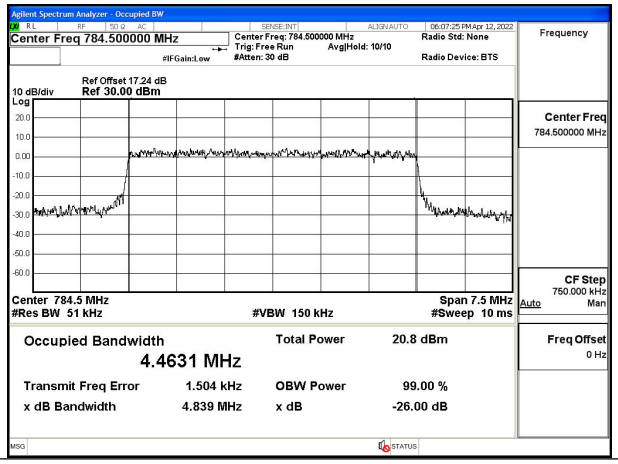

Fig.15

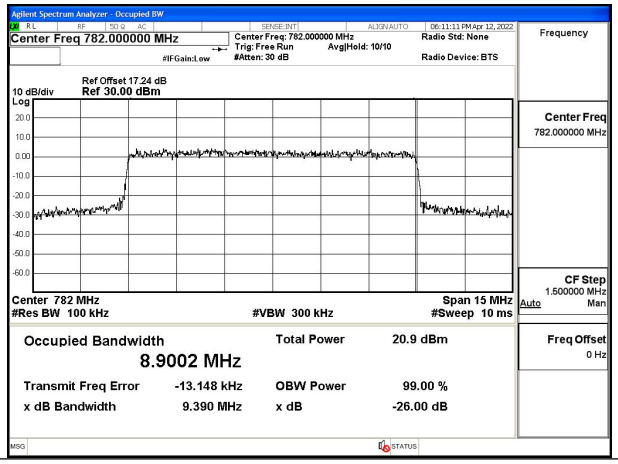

Fig.16

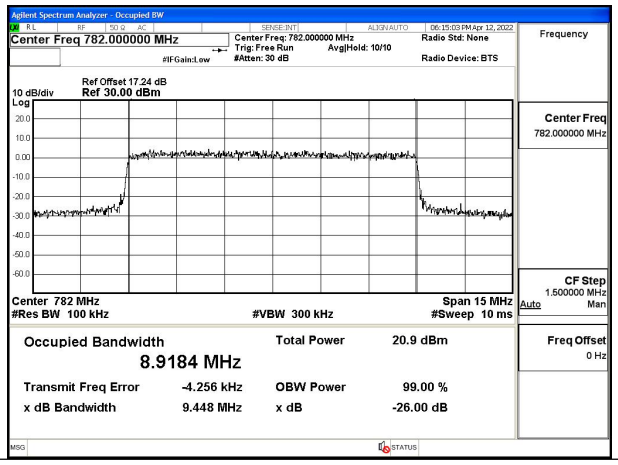

Fig.17

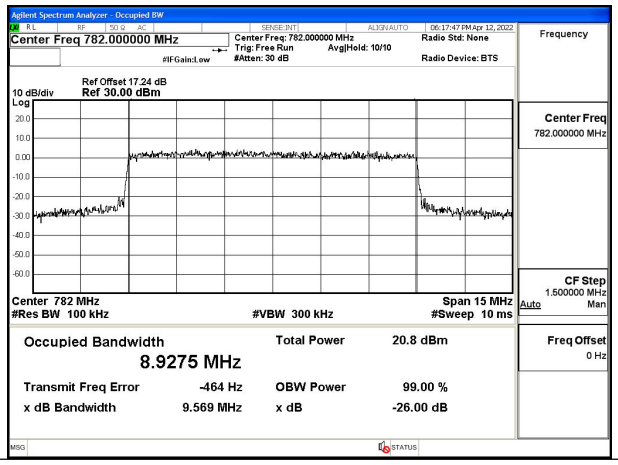

Fig.18

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	4.760	Fig.1
13	QPSK	782	23230	5	25	0	4.780	Fig.2
13	QPSK	784.5	23255	5	25	0	4.740	Fig.3
13	QPSK	782	23230	10	50	0	9.300	Fig.4
13	QPSK	782	23230	10	50	0	9.280	Fig.5
13	QPSK	782	23230	10	50	0	9.330	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	4.730	Fig.7
13	16QAM	782	23230	5	25	0	4.780	Fig.8
13	16QAM	784.5	23255	5	25	0	4.730	Fig.9
13	16QAM	782	23230	10	50	0	9.360	Fig.10
13	16QAM	782	23230	10	50	0	9.380	Fig.11
13	16QAM	782	23230	10	50	0	9.330	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	4.820	Fig.13
13	64QAM	782	23230	5	25	0	4.790	Fig.14
13	64QAM	784.5	23255	5	25	0	4.840	Fig.15
13	64QAM	782	23230	10	50	0	9.390	Fig.16
13	64QAM	782	23230	10	50	0	9.450	Fig.17
13	64QAM	782	23230	10	50	0	9.570	Fig.18

Test Mode: QPSK

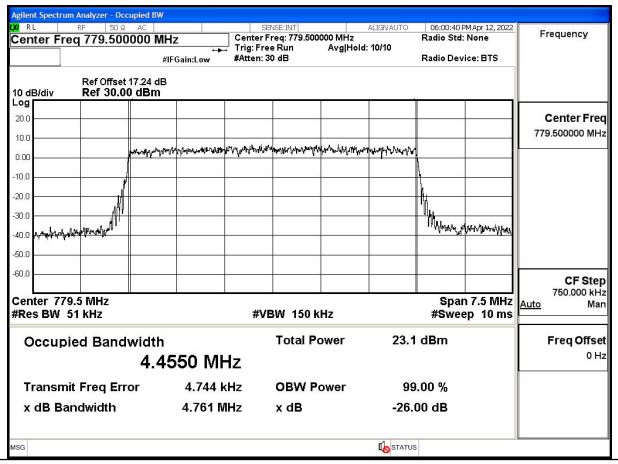

Fig.1

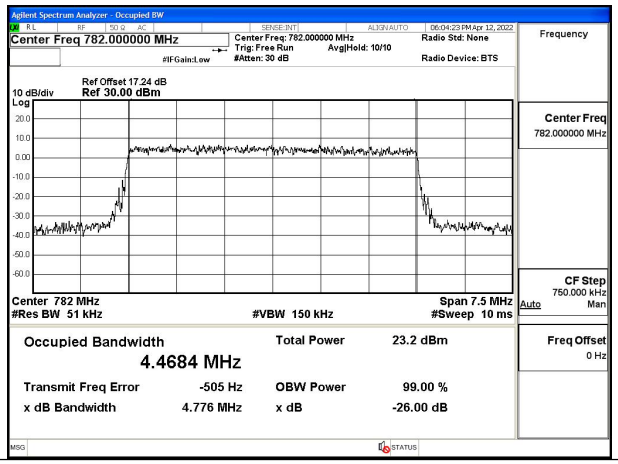

Fig.2

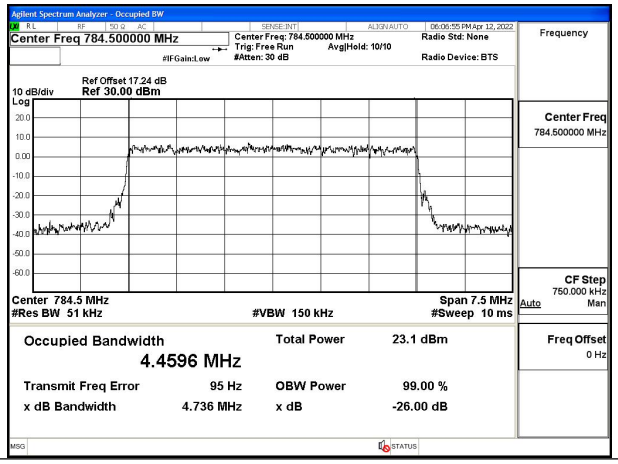

Fig.3

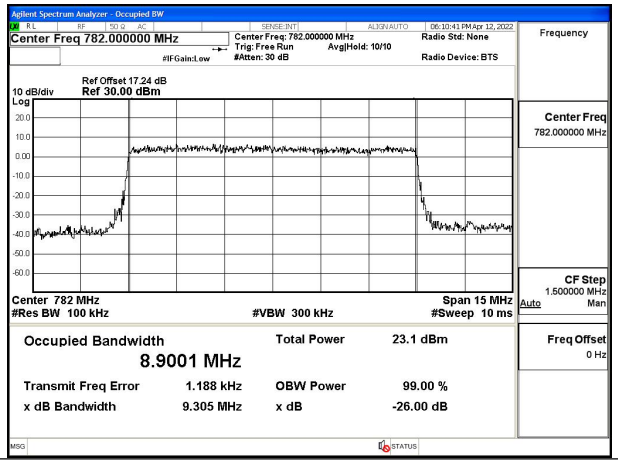

Fig.4

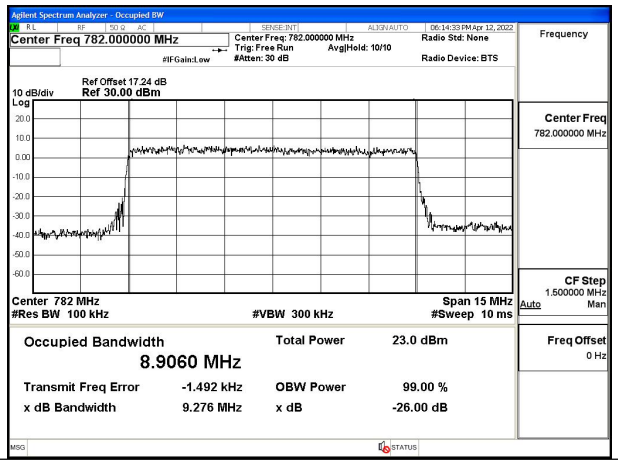

Fig.5

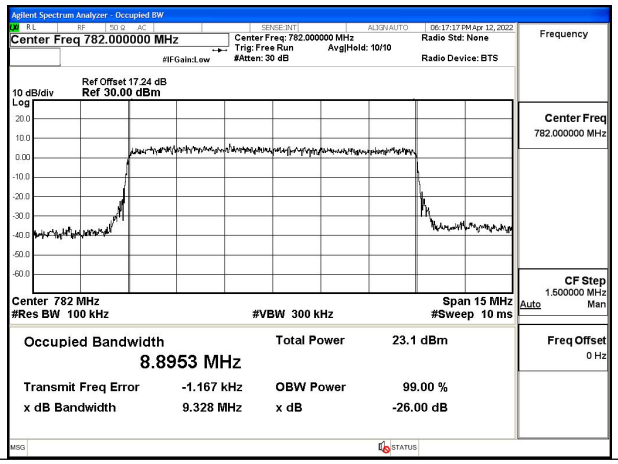

Fig.6

Test Mode: 16QAM

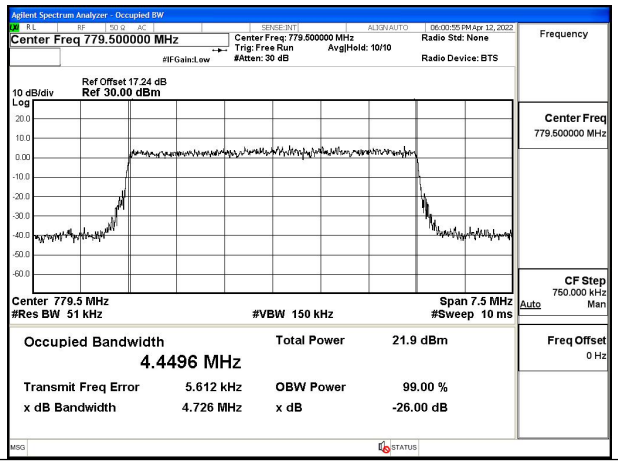

Fig.7

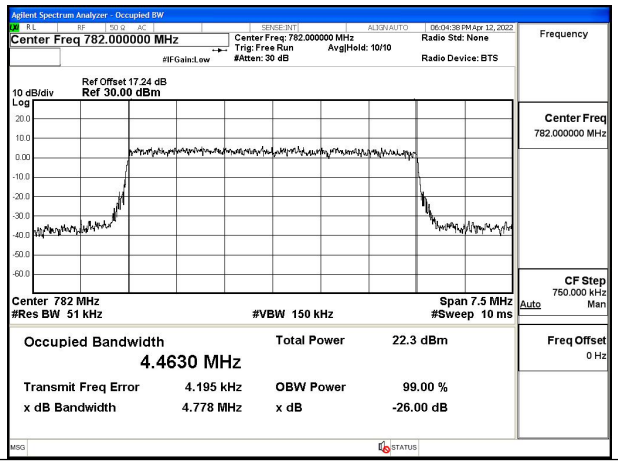

Fig.8

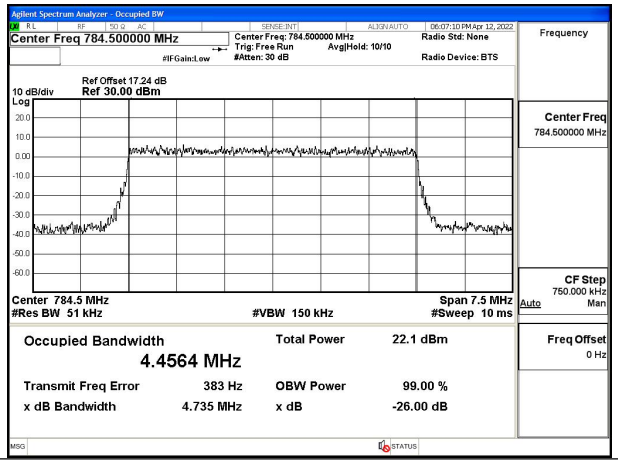

Fig.9

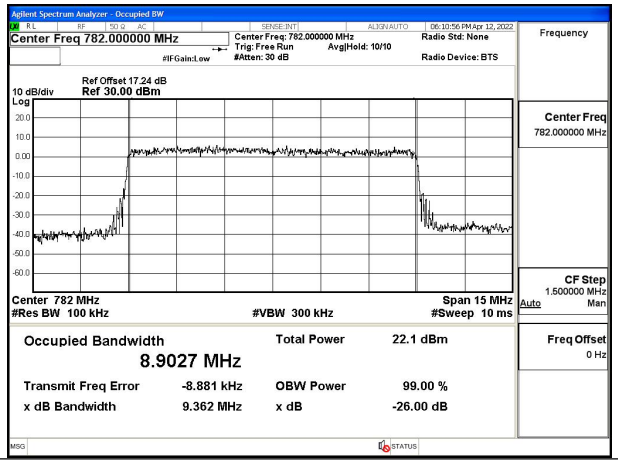

Fig.10

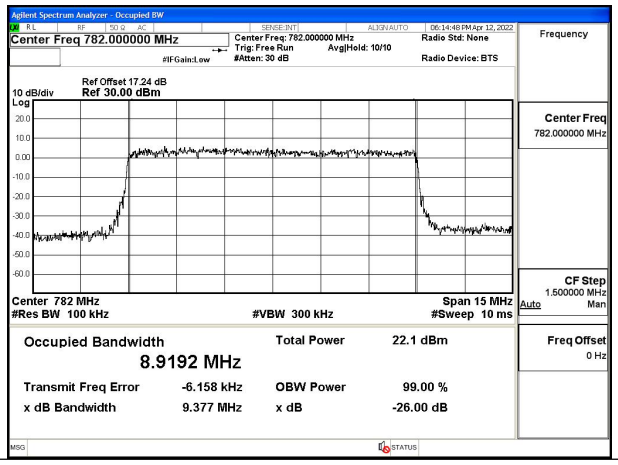

Fig.11

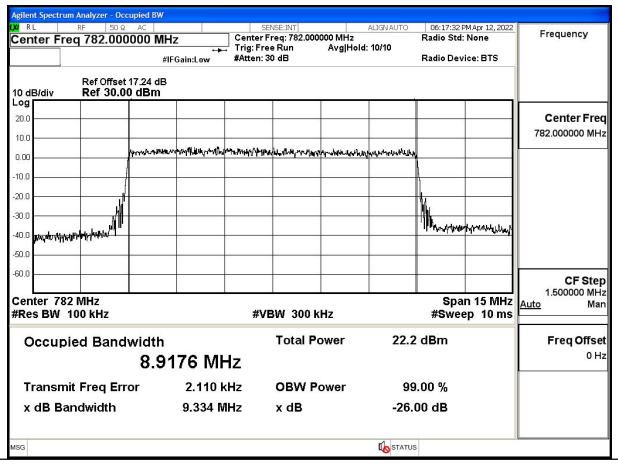

Fig.12

Test Mode: 64QAM

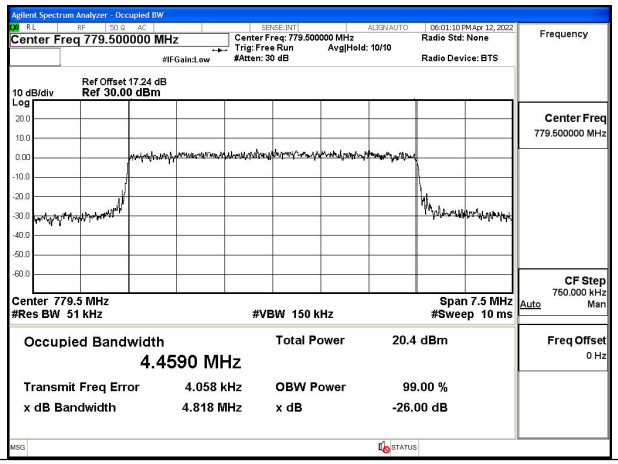

Fig.13

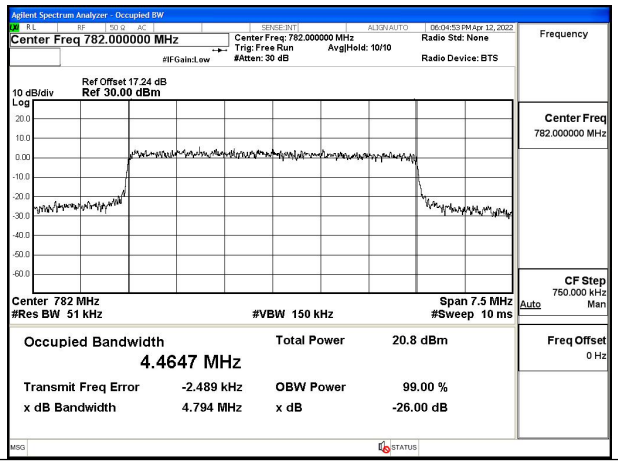

Fig.14

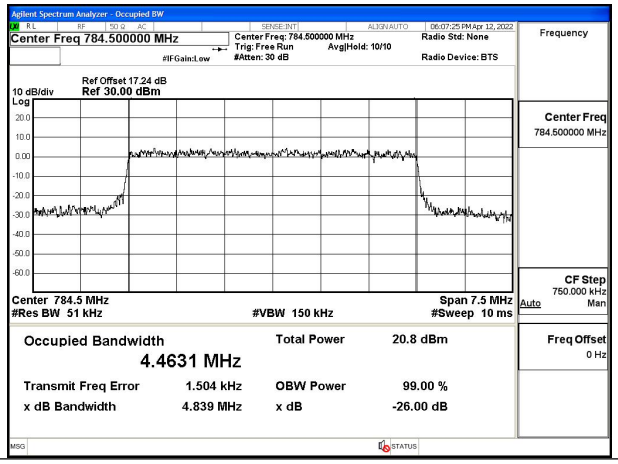

Fig.15

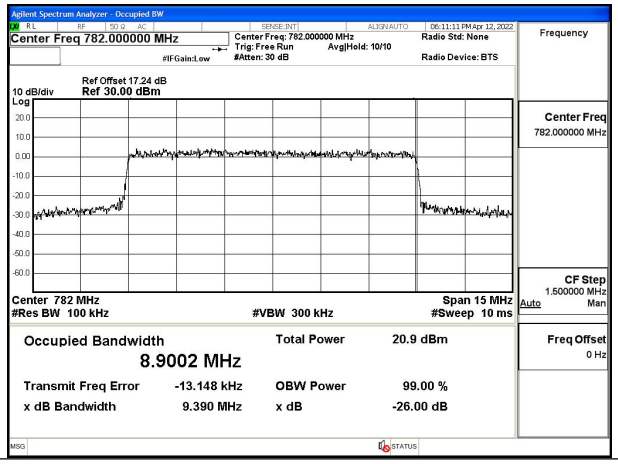

Fig.16

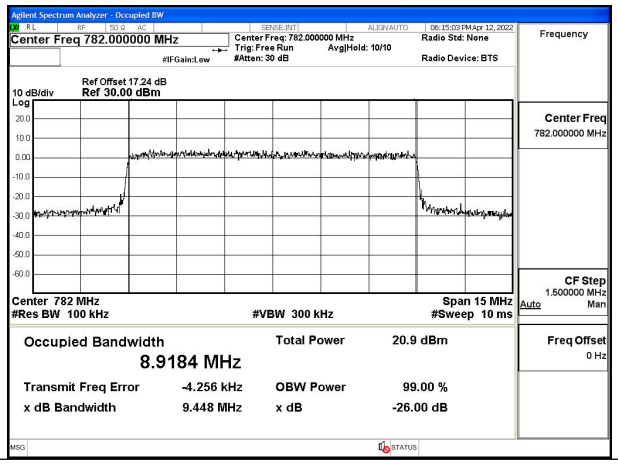

Fig.17

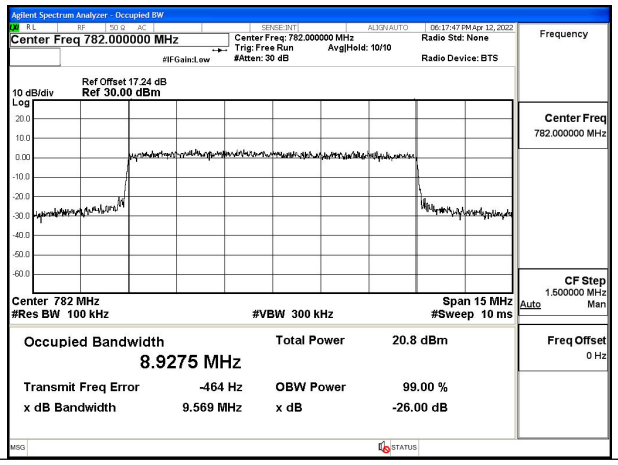

Fig.18

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
13	782	23230	10	1	49	Fig.25	Fig.26	Fig.27
13	782	23230	10	50	0	Fig.28	Fig.29	Fig.30
13	782	23230	10	1	49	Fig.31	Fig.32	Fig.33
13	782	23230	10	50	0	Fig.34	Fig.35	Fig.36

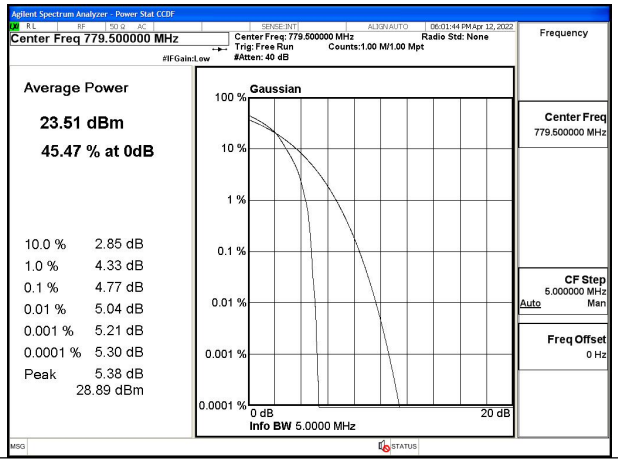

Fig.1

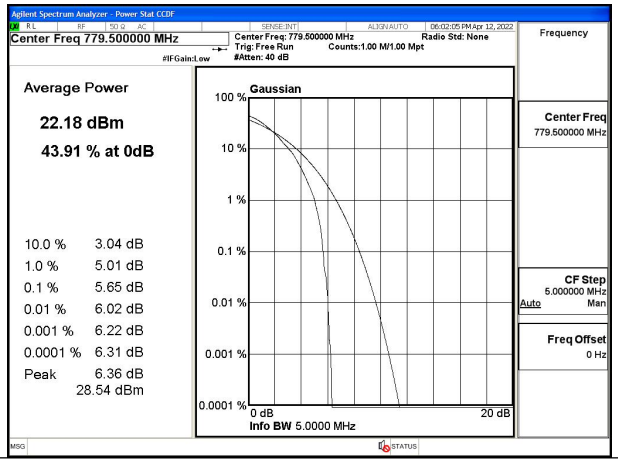

Fig.2

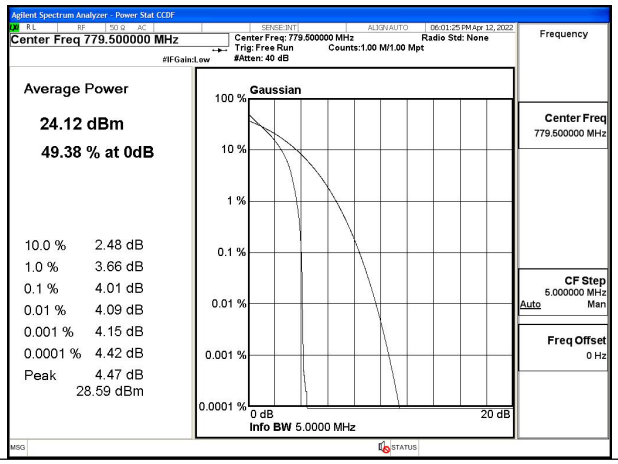

Fig.3

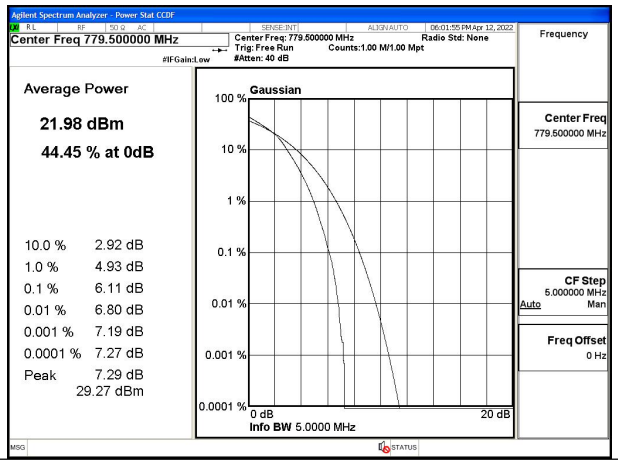

Fig.4

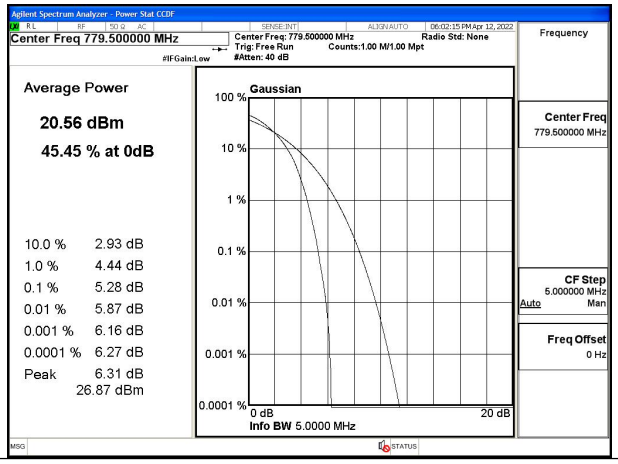

Fig.5

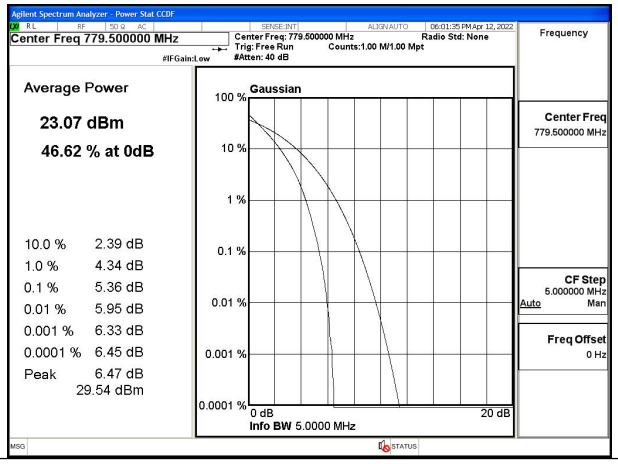

Fig.6