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	23.37
QPSK	779.5	23205	5	1	12	23.26
QPSK	779.5	23205	5	1	24	23.54
QPSK	779.5	23205	5	12	0	22.43
QPSK	779.5	23205	5	12	7	22.58
QPSK	779.5	23205	5	12	13	22.41
QPSK	779.5	23205	5	25	0	22.51
QPSK	782	23230	5	1	0	23.53
QPSK	782	23230	5	1	12	23.60
QPSK	782	23230	5	1	24	23.63
QPSK	782	23230	5	12	0	22.56
QPSK	782	23230	5	12	7	22.54
QPSK	782	23230	5	12	13	22.55
QPSK	782	23230	5	25	0	22.48
QPSK	784.5	23255	5	1	0	23.88
QPSK	784.5	23255	5	1	12	23.64
QPSK	784.5	23255	5	1	24	23.70
QPSK	784.5	23255	5	12	0	22.39
QPSK	784.5	23255	5	12	7	22.42
QPSK	784.5	23255	5	12	13	22.43
QPSK	784.5	23255	5	25	0	22.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	779.5	23205	5	1	0	22.98
16QAM	779.5	23205	5	1	12	22.38
16QAM	779.5	23205	5	1	24	22.53
16QAM	779.5	23205	5	12	0	21.46
16QAM	779.5	23205	5	12	7	21.63
16QAM	779.5	23205	5	12	13	21.47
16QAM	779.5	23205	5	25	0	21.76
16QAM	782	23230	5	1	0	23.37
16QAM	782	23230	5	1	12	23.26
16QAM	782	23230	5	1	24	22.59
16QAM	782	23230	5	12	0	21.60
16QAM	782	23230	5	12	7	21.57
16QAM	782	23230	5	12	13	21.49
16QAM	782	23230	5	25	0	21.92
16QAM	784.5	23255	5	1	0	23.25
16QAM	784.5	23255	5	1	12	23.05
16QAM	784.5	23255	5	1	24	22.60

16QAM	784.5	23255	5	12	0	21.55
16QAM	784.5	23255	5	12	7	21.62
16QAM	784.5	23255	5	12	13	21.43
16QAM	784.5	23255	5	25	0	21.38
64QAM	779.5	23205	5	1	0	21.62
64QAM	779.5	23205	5	1	12	21.80
64QAM	779.5	23205	5	1	24	21.57
64QAM	779.5	23205	5	12	0	19.96
64QAM	779.5	23205	5	12	7	20.04
64QAM	779.5	23205	5	12	13	19.96
64QAM	779.5	23205	5	25	0	20.07
64QAM	782	23230	5	1	0	21.57
64QAM	782	23230	5	1	12	22.21
64QAM	782	23230	5	1	24	21.58
64QAM	782	23230	5	12	0	20.11
64QAM	782	23230	5	12	7	20.22
64QAM	782	23230	5	12	13	20.16
64QAM	782	23230	5	25	0	20.33
64QAM	784.5	23255	5	1	0	21.97
64QAM	784.5	23255	5	1	12	21.42
64QAM	784.5	23255	5	1	24	21.72
64QAM	784.5	23255	5	12	0	20.01
64QAM	784.5	23255	5	12	7	20.17
64QAM	784.5	23255	5	12	13	20.06
64QAM	784.5	23255	5	25	0	20.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	23.81
QPSK	782	23230	10	1	25	23.86
QPSK	782	23230	10	1	49	23.55
QPSK	782	23230	10	25	0	22.56
QPSK	782	23230	10	25	12	22.56
QPSK	782	23230	10	25	25	22.54
QPSK	782	23230	10	50	0	22.78
QPSK	782	23230	10	1	0	23.43
QPSK	782	23230	10	1	25	23.52
QPSK	782	23230	10	1	49	23.39
QPSK	782	23230	10	25	0	22.41
QPSK	782	23230	10	25	12	22.41
QPSK	782	23230	10	25	25	22.39
QPSK	782	23230	10	50	0	22.47
QPSK	782	23230	10	1	0	23.47
QPSK	782	23230	10	1	25	23.53
QPSK	782	23230	10	1	49	23.20
QPSK	782	23230	10	25	0	22.40

QPSK	782	23230	10	25	12	22.42
QPSK	782	23230	10	25	25	22.40
QPSK	782	23230	10	50	0	22.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	782	23230	10	1	0	23.27
16QAM	782	23230	10	1	25	22.92
16QAM	782	23230	10	1	49	22.80
16QAM	782	23230	10	25	0	21.86
16QAM	782	23230	10	25	12	21.82
16QAM	782	23230	10	25	25	21.56
16QAM	782	23230	10	50	0	21.63
16QAM	782	23230	10	1	0	22.86
16QAM	782	23230	10	1	25	23.10
16QAM	782	23230	10	1	49	22.75
16QAM	782	23230	10	25	0	21.44
16QAM	782	23230	10	25	12	21.75
16QAM	782	23230	10	25	25	21.48
16QAM	782	23230	10	50	0	21.63
16QAM	782	23230	10	1	0	22.88
16QAM	782	23230	10	1	25	23.21
16QAM	782	23230	10	1	49	22.74
16QAM	782	23230	10	25	0	21.55
16QAM	782	23230	10	25	12	21.64
16QAM	782	23230	10	25	25	21.53
16QAM	782	23230	10	50	0	21.66
64QAM	782	23230	10	1	0	21.30
64QAM	782	23230	10	1	25	21.75
64QAM	782	23230	10	1	49	21.61
64QAM	782	23230	10	25	0	20.14
64QAM	782	23230	10	25	12	20.06
64QAM	782	23230	10	25	25	20.02
64QAM	782	23230	10	50	0	20.30
64QAM	782	23230	10	1	0	21.56
64QAM	782	23230	10	1	25	21.68
64QAM	782	23230	10	1	49	21.48
64QAM	782	23230	10	25	0	20.10
64QAM	782	23230	10	25	12	20.23
64QAM	782	23230	10	25	25	20.00
64QAM	782	23230	10	50	0	20.32
64QAM	782	23230	10	1	0	21.26
64QAM	782	23230	10	1	25	21.90
64QAM	782	23230	10	1	49	21.66
64QAM	782	23230	10	25	0	20.30
64QAM	782	23230	10	25	12	20.31

64QAM	782	23230	10	25	25	20.10
64QAM	782	23230	10	50	0	20.43

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	4.440	Fig.1
13	QPSK	782	23230	5	25	0	4.460	Fig.2
13	QPSK	784.5	23255	5	25	0	4.470	Fig.3
13	QPSK	782	23230	10	50	0	8.910	Fig.4
13	QPSK	782	23230	10	50	0	8.910	Fig.5
13	QPSK	782	23230	10	50	0	8.920	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	4.440	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	8.920	Fig.10
13	16QAM	782	23230	10	50	0	8.910	Fig.11
13	16QAM	782	23230	10	50	0	8.900	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	4.450	Fig.13
13	64QAM	782	23230	5	25	0	4.460	Fig.14
13	64QAM	784.5	23255	5	25	0	4.470	Fig.15
13	64QAM	782	23230	10	50	0	8.920	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

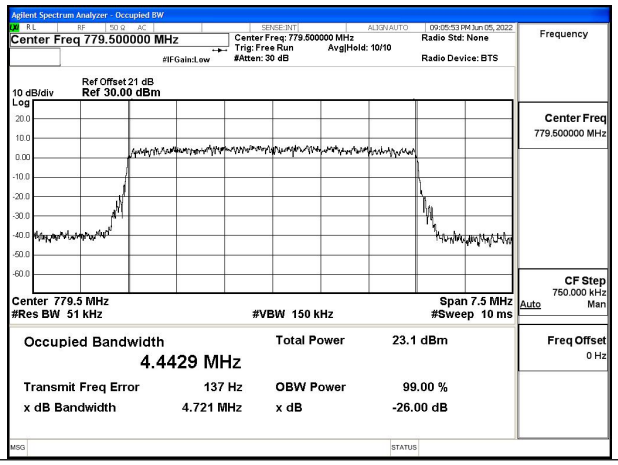

Fig.1

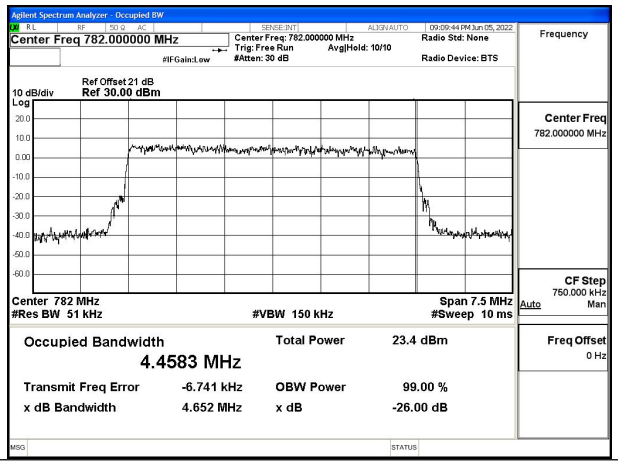

Fig.2

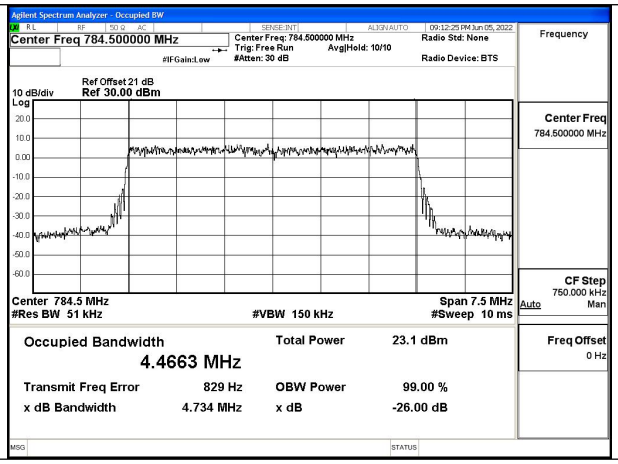

Fig.3

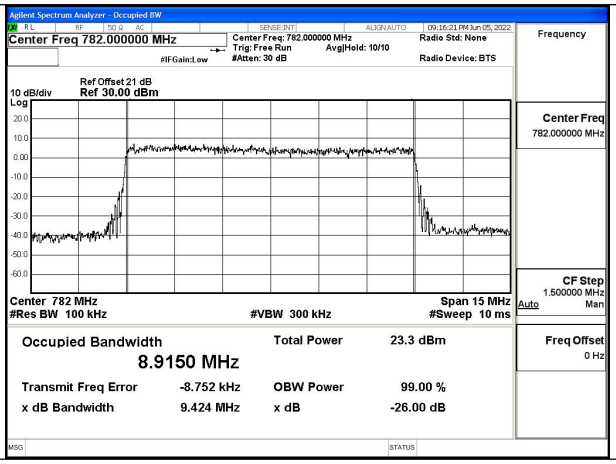

Fig.4

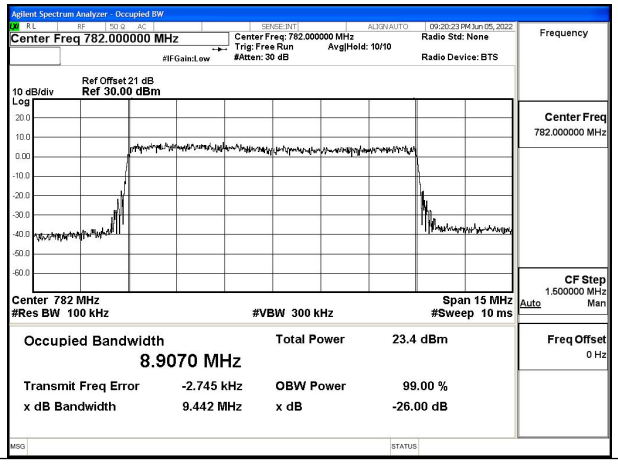

Fig.5

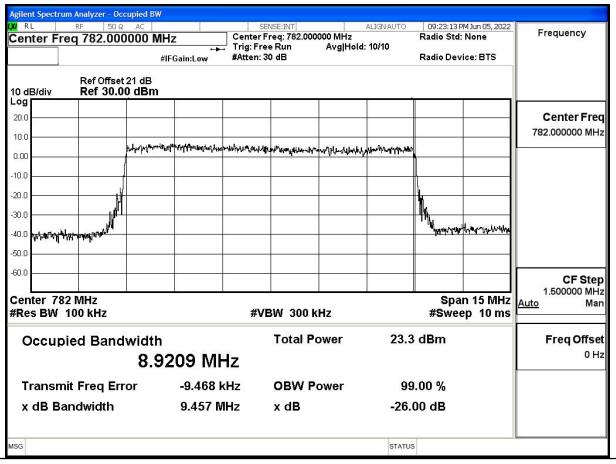

Fig.6

Test Mode: 16QAM

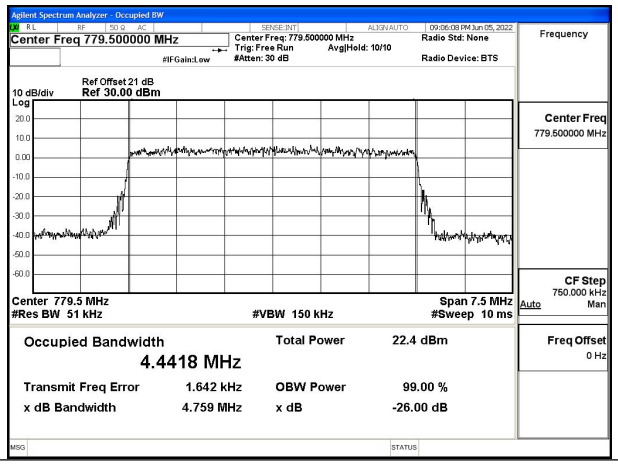

Fig.7

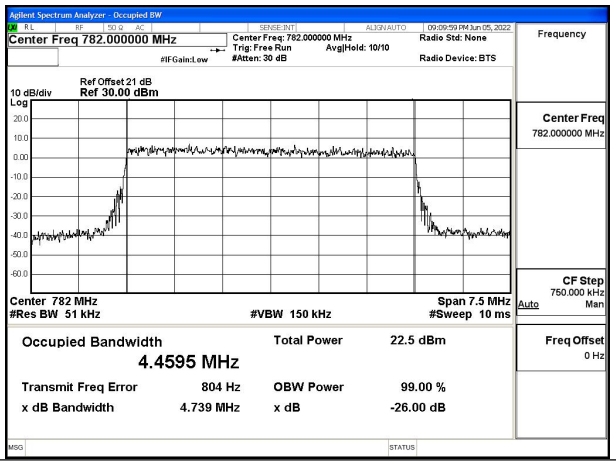

Fig.8

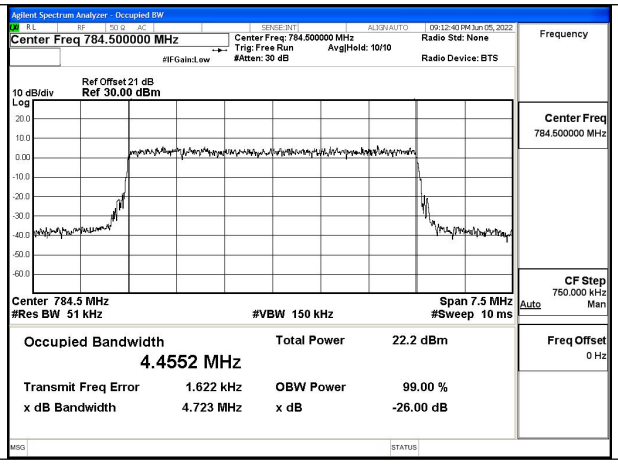

Fig.9

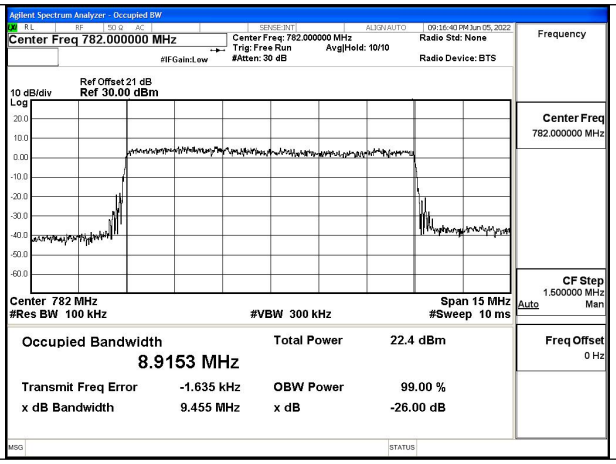

Fig.10

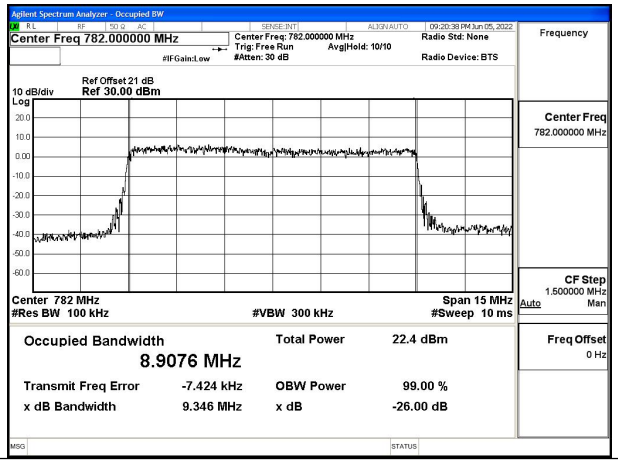

Fig.11

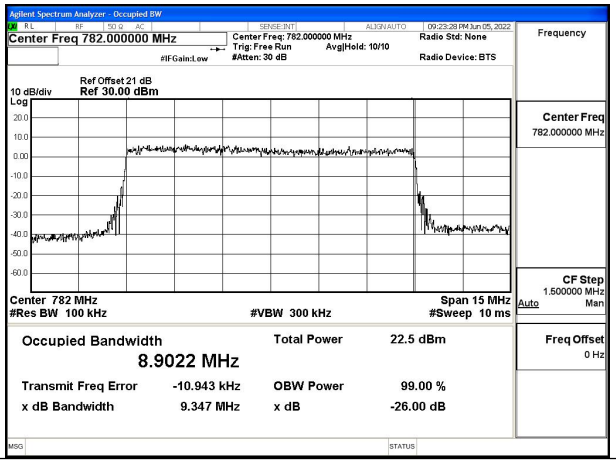

Fig.12

Test Mode: 64QAM

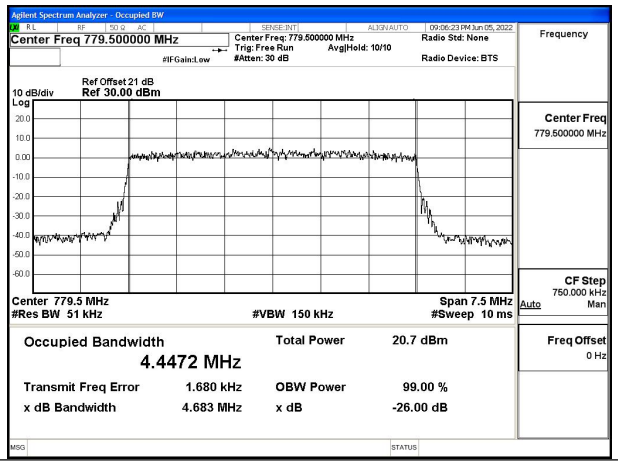

Fig.13

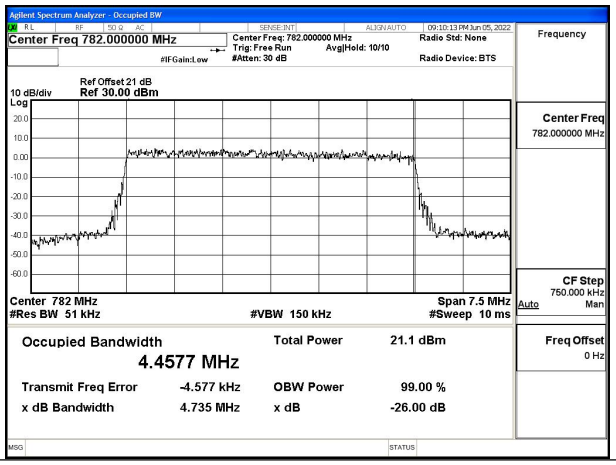

Fig.14

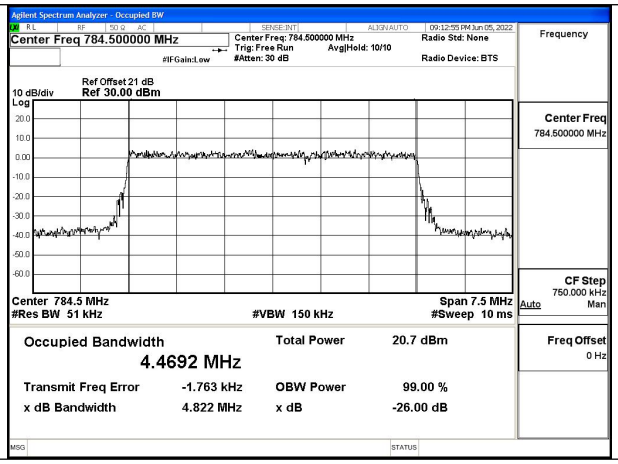

Fig.15

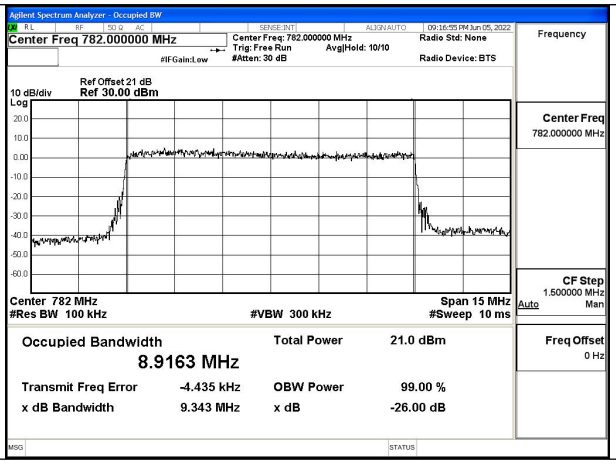

Fig.16

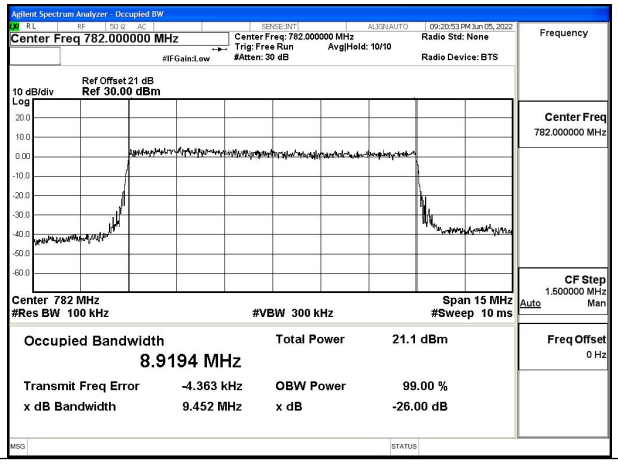

Fig.17

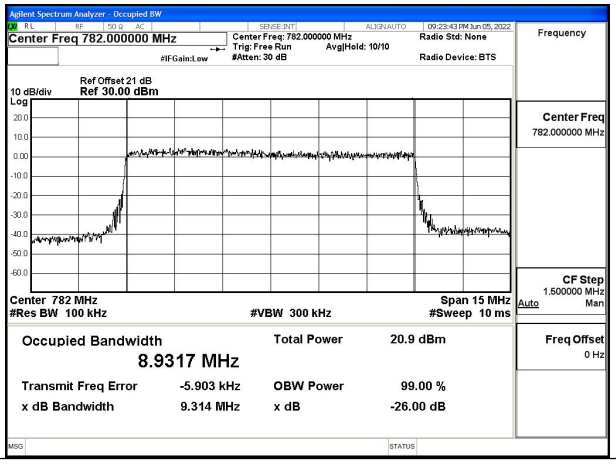

Fig.18

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	4.720	Fig.1
13	QPSK	782	23230	5	25	0	4.650	Fig.2
13	QPSK	784.5	23255	5	25	0	4.730	Fig.3
13	QPSK	782	23230	10	50	0	9.420	Fig.4
13	QPSK	782	23230	10	50	0	9.440	Fig.5
13	QPSK	782	23230	10	50	0	9.460	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	4.760	Fig.7
13	16QAM	782	23230	5	25	0	4.740	Fig.8
13	16QAM	784.5	23255	5	25	0	4.720	Fig.9
13	16QAM	782	23230	10	50	0	9.450	Fig.10
13	16QAM	782	23230	10	50	0	9.350	Fig.11
13	16QAM	782	23230	10	50	0	9.350	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	4.680	Fig.13
13	64QAM	782	23230	5	25	0	4.740	Fig.14
13	64QAM	784.5	23255	5	25	0	4.820	Fig.15
13	64QAM	782	23230	10	50	0	9.340	Fig.16
13	64QAM	782	23230	10	50	0	9.450	Fig.17
13	64QAM	782	23230	10	50	0	9.310	Fig.18

Test Mode: QPSK

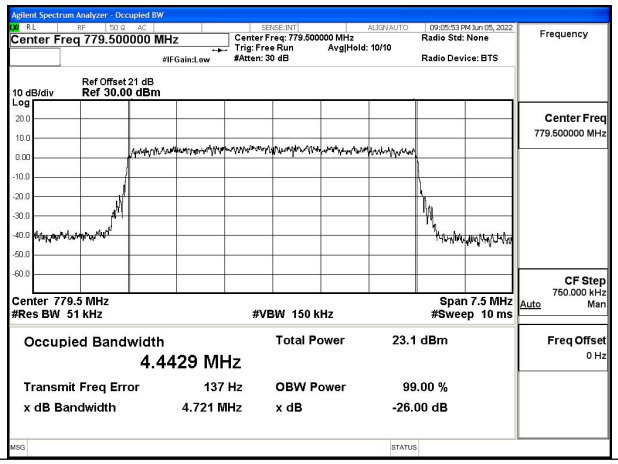

Fig.1

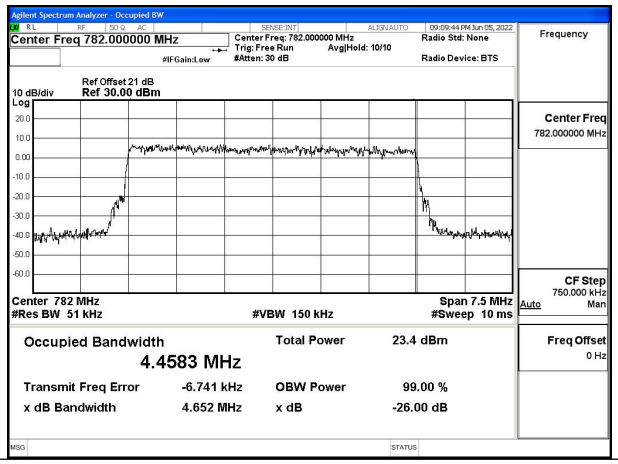

Fig.2

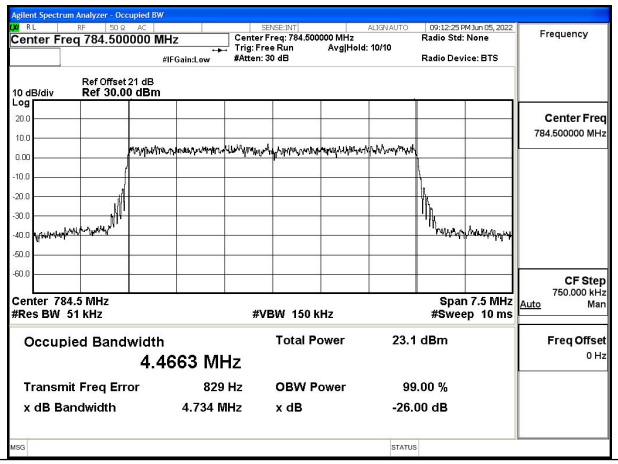

Fig.3

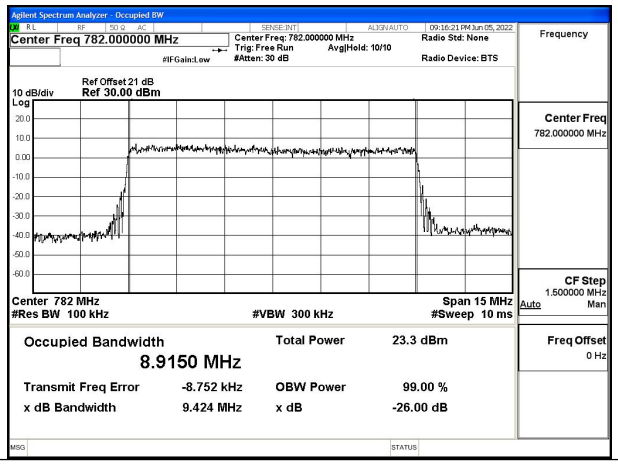

Fig.4

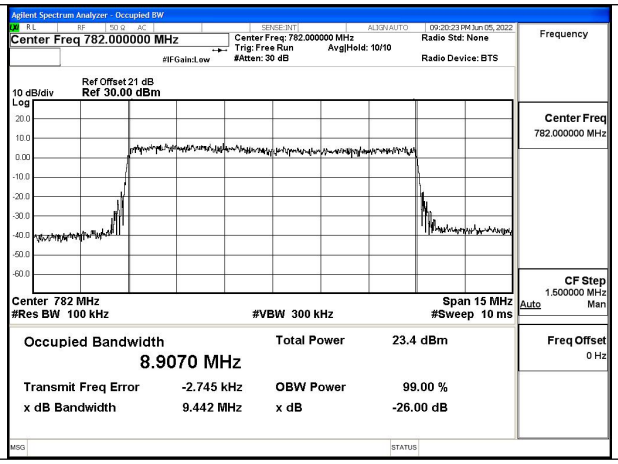

Fig.5

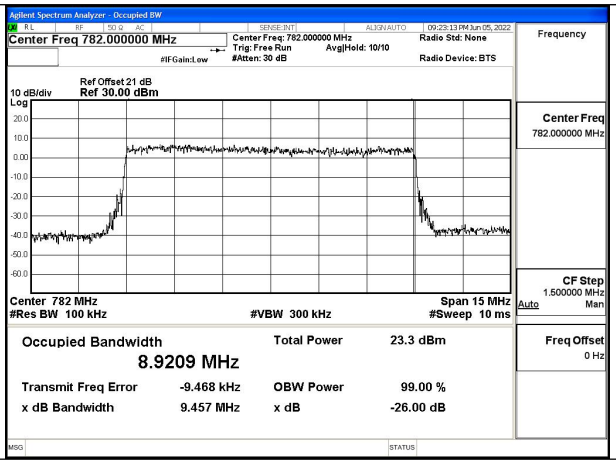

Fig.6

Test Mode: 16QAM

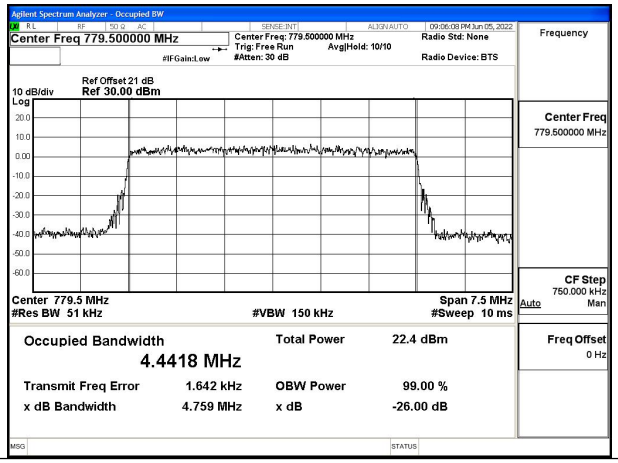

Fig.7

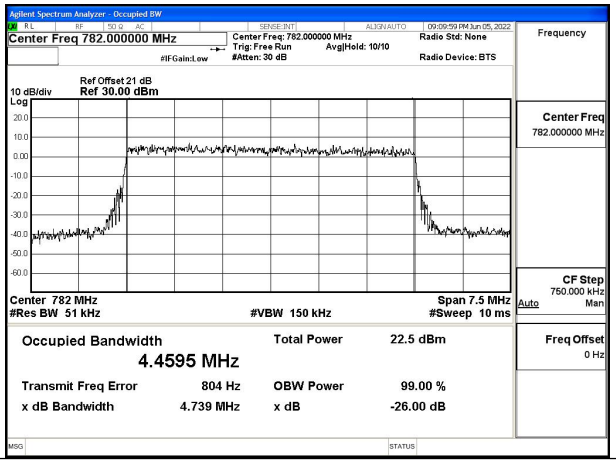

Fig.8

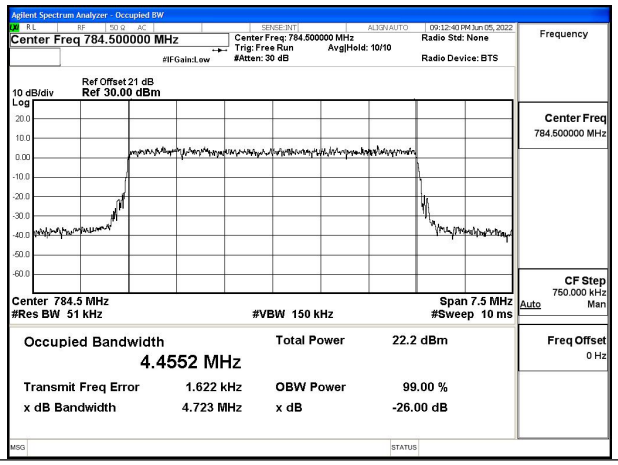

Fig.9

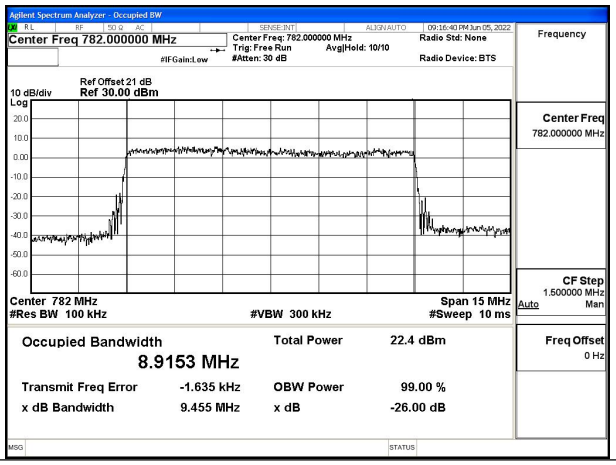

Fig.10

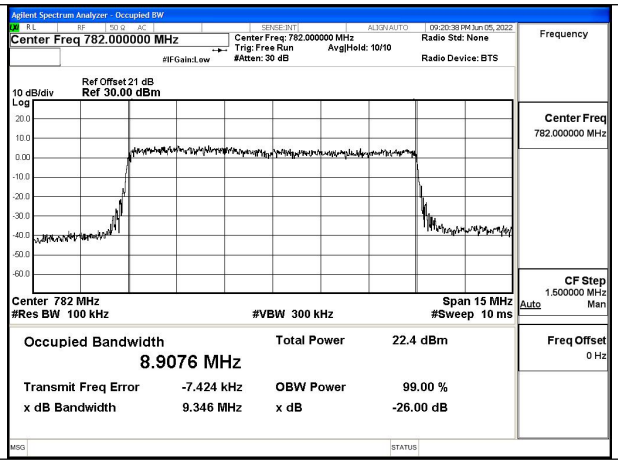

Fig.11

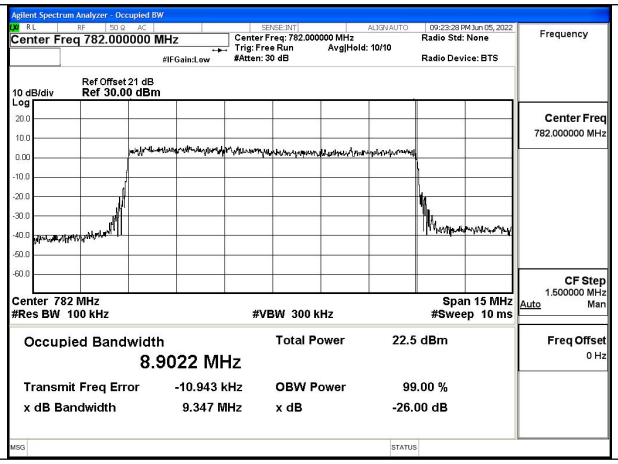

Fig.12

Test Mode: 64QAM

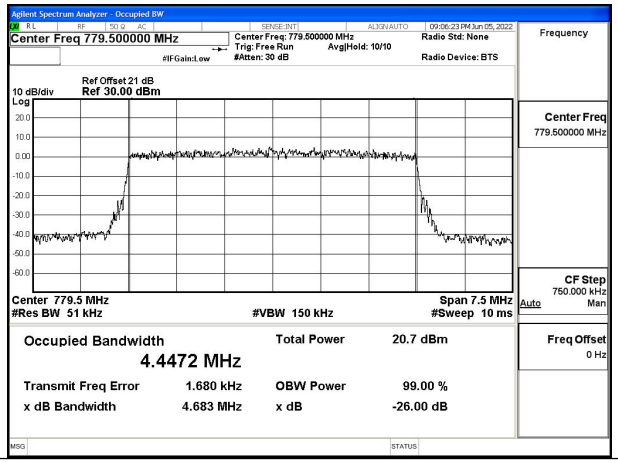

Fig.13

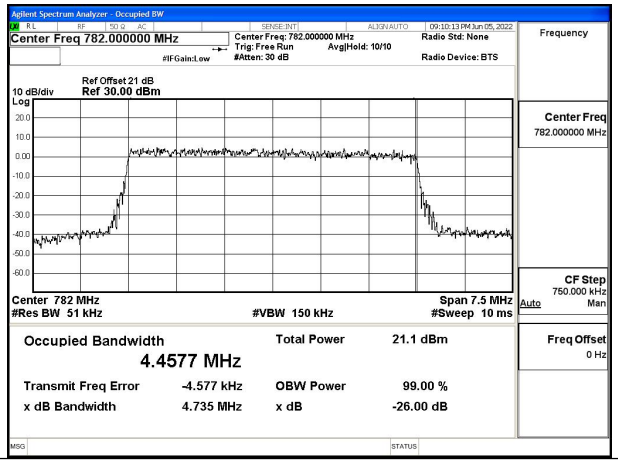

Fig.14

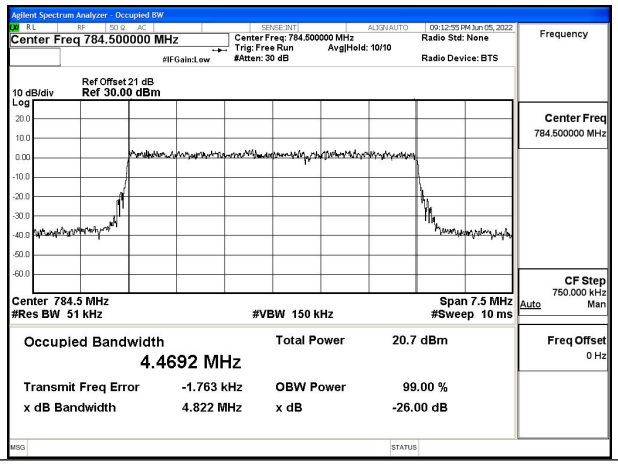

Fig.15

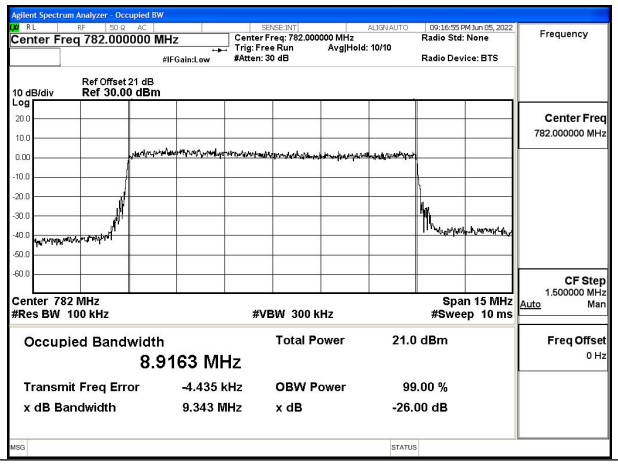

Fig.16

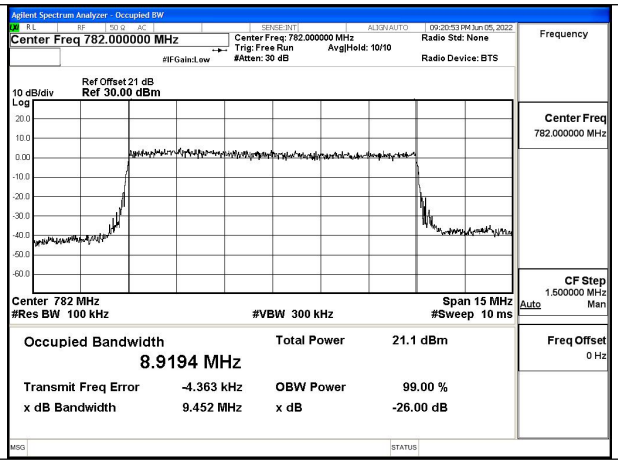

Fig.17

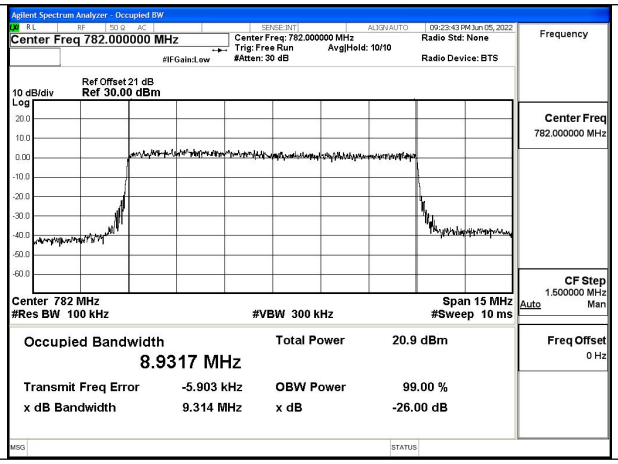

Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
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

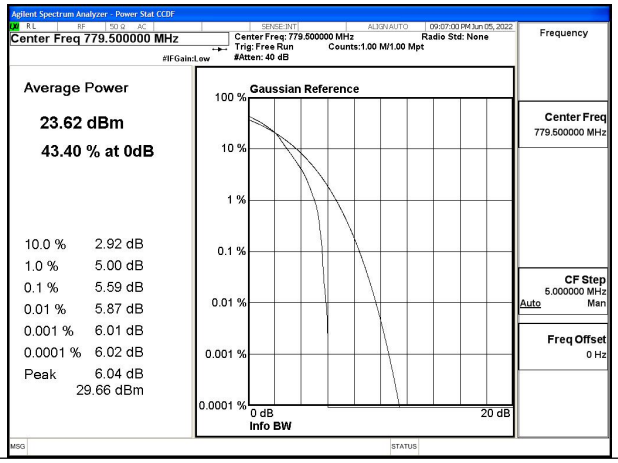

Fig.1

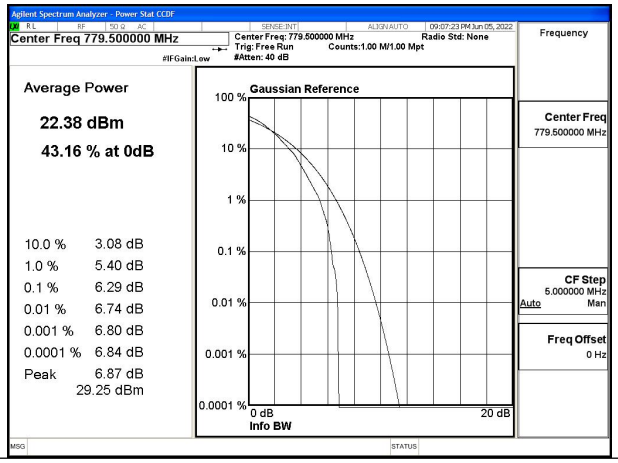

Fig.2

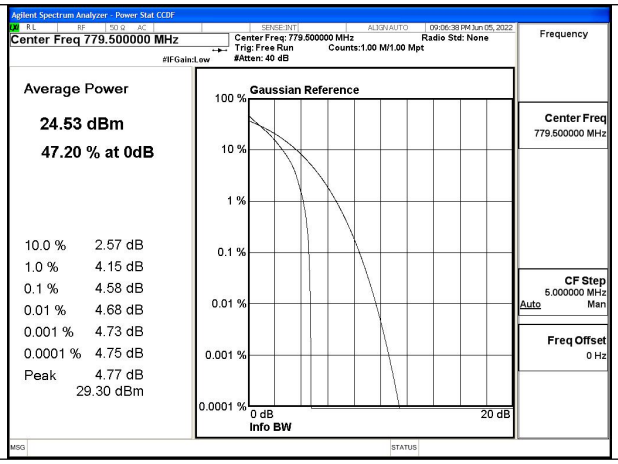

Fig.3

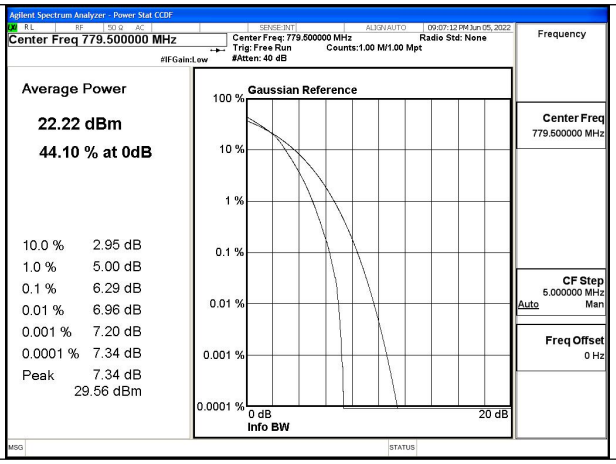

Fig.4

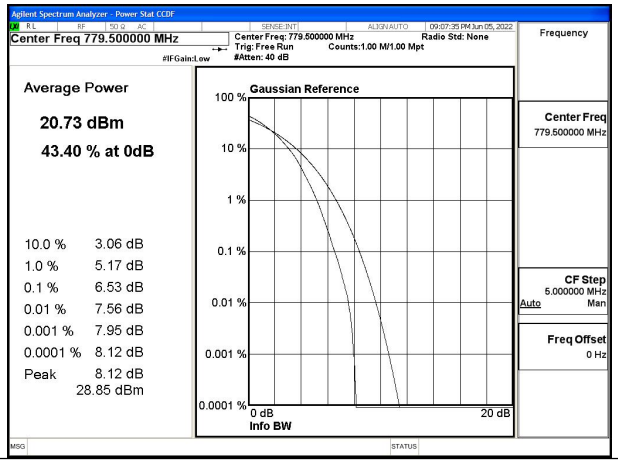

Fig.5

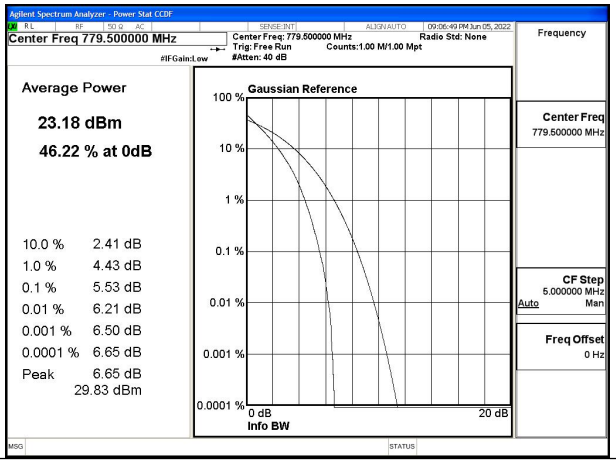

Fig.6

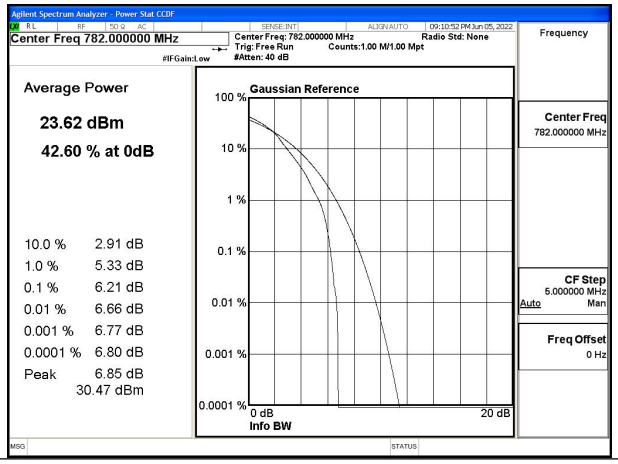

Fig.7

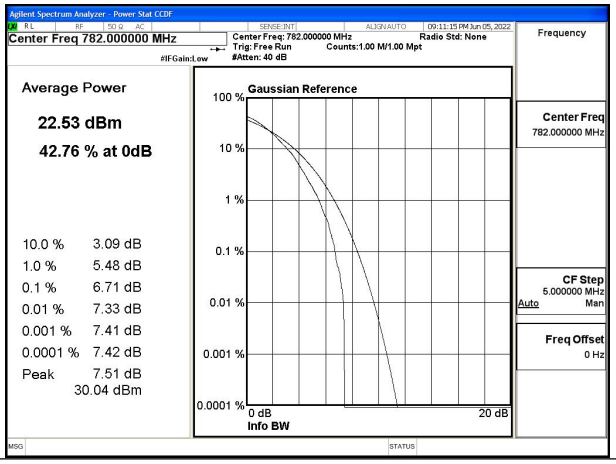

Fig.8