APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 40(2305-2315)

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2307.5	38725	5	1	0	25.38
QPSK	2307.5	38725	5	1	12	25.28
QPSK	2307.5	38725	5	1	24	24.96
QPSK	2307.5	38725	5	12	0	23.81
QPSK	2307.5	38725	5	12	7	23.95
QPSK	2307.5	38725	5	12	13	23.92
QPSK	2307.5	38725	5	25	0	23.97
QPSK	2310	38750	5	1	0	24.98
QPSK	2310	38750	5	1	12	25.11
QPSK	2310	38750	5	1	24	24.95
QPSK	2310	38750	5	12	0	23.85
QPSK	2310	38750	5	12	7	23.94
QPSK	2310	38750	5	12	13	23.87
QPSK	2310	38750	5	25	0	23.97
QPSK	2312.5	38775	5	1	0	25.02
QPSK	2312.5	38775	5	1	12	25.06
QPSK	2312.5	38775	5	1	24	25.04
QPSK	2312.5	38775	5	12	0	23.85
QPSK	2312.5	38775	5	12	7	23.93
QPSK	2312.5	38775	5	12	13	23.84
QPSK	2312.5	38775	5	25	0	23.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2307.5	38725	5	1	0	23.69
16QAM	2307.5	38725	5	1	12	23.69
16QAM	2307.5	38725	5	1	24	23.60
16QAM	2307.5	38725	5	12	0	23.06
16QAM	2307.5	38725	5	12	7	23.06
16QAM	2307.5	38725	5	12	13	23.12
16QAM	2307.5	38725	5	25	0	23.19
16QAM	2310	38750	5	1	0	23.66
16QAM	2310	38750	5	1	12	23.69
16QAM	2310	38750	5	1	24	23.70
16QAM	2310	38750	5	12	0	23.10
16QAM	2310	38750	5	12	7	23.06
16QAM	2310	38750	5	12	13	23.13
16QAM	2310	38750	5	25	0	23.23
16QAM	2312.5	38775	5	1	0	23.66
16QAM	2312.5	38775	5	1	12	23.66
16QAM	2312.5	38775	5	1	24	23.70
16QAM	2312.5	38775	5	12	0	23.11
16QAM	2312.5	38775	5	12	7	23.01
16QAM	2312.5	38775	5	12	13	23.06
16QAM	2312.5	38775	5	25	0	23.16
64QAM	2307.5	38725	5	1	0	22.65
64QAM	2307.5	38725	5	1	12	22.85
64QAM	2307.5	38725	5	1	24	22.09
64QAM	2307.5	38725	5	12	0	21.66
64QAM	2307.5	38725	5	12	7	21.69
64QAM	2307.5	38725	5	12	13	21.71
64QAM	2307.5	38725	5	25	0	21.78
64QAM	2310	38750	5	1	0	22.61
64QAM	2310	38750	5	1	12	22.92
64QAM	2310	38750	5	1	24	22.21
64QAM	2310	38750	5	12	0	21.67
64QAM	2310	38750	5	12	7	21.79
64QAM	2310	38750	5	12	13	21.67
64QAM	2310	38750	5	25	0	21.77
64QAM	2312.5	38775	5	1	0	22.60
64QAM	2312.5	38775	5	1	12	23.00
64QAM	2312.5	38775	5	1	24	22.18
64QAM	2312.5	38775	5	12	0	21.63
64QAM	2312.5	38775	5	12	7	21.70
64QAM	2312.5	38775	5	12	13	21.63
64QAM	2312.5	38775	5	25	0	21.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2310	38750	10	1	0	25.28
QPSK	2310	38750	10	1	25	25.38
QPSK	2310	38750	10	1	49	25.40
QPSK	2310	38750	10	25	0	23.84
QPSK	2310	38750	10	25	12	23.88
QPSK	2310	38750	10	25	25	23.87
QPSK	2310	38750	10	50	0	23.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2310	38750	10	1	0	23.67
16QAM	2310	38750	10	1	25	23.54
16QAM	2310	38750	10	1	49	23.58
16QAM	2310	38750	10	25	0	23.10
16QAM	2310	38750	10	25	12	23.10
16QAM	2310	38750	10	25	25	23.10
16QAM	2310	38750	10	50	0	23.12
64QAM	2310	38750	10	1	0	22.37
64QAM	2310	38750	10	1	25	22.39
64QAM	2310	38750	10	1	49	22.42
64QAM	2310	38750	10	25	0	21.78
64QAM	2310	38750	10	25	12	21.68
64QAM	2310	38750	10	25	25	21.77
64QAM	2310	38750	10	50	0	21.50

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	QPSK	2307.5	38725	5	25	0	4.45	Fig.1
40	QPSK	2310	38750	5	25	0	4.46	Fig.2
40	QPSK	2312.5	38775	5	25	0	4.46	Fig.3
40	QPSK	2310	38750	10	50	0	8.87	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	16QAM	2307.5	38725	5	25	0	4.47	Fig.7
40	16QAM	2310	38750	5	25	0	4.46	Fig.8
40	16QAM	2312.5	38775	5	25	0	4.44	Fig.9
40	16QAM	2310	38750	10	50	0	8.90	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	64QAM	2307.5	38725	5	25	0	4.43	Fig.13
40	64QAM	2310	38750	5	25	0	4.46	Fig.14
40	64QAM	2312.5	38775	5	25	0	4.44	Fig.15
40	64QAM	2310	38750	10	50	0	8.87	Fig.18

Test Mode: QPSK

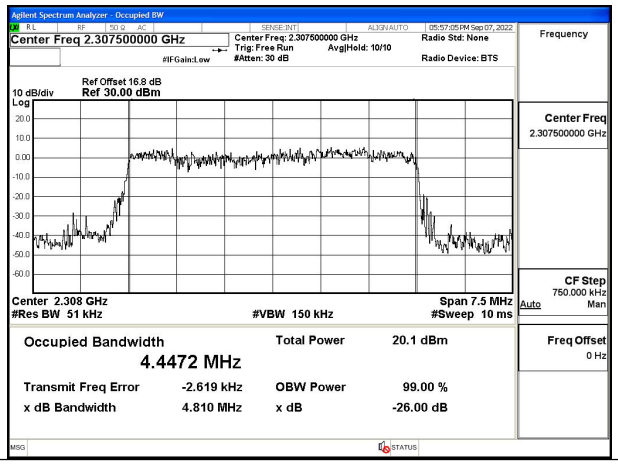


Fig.1

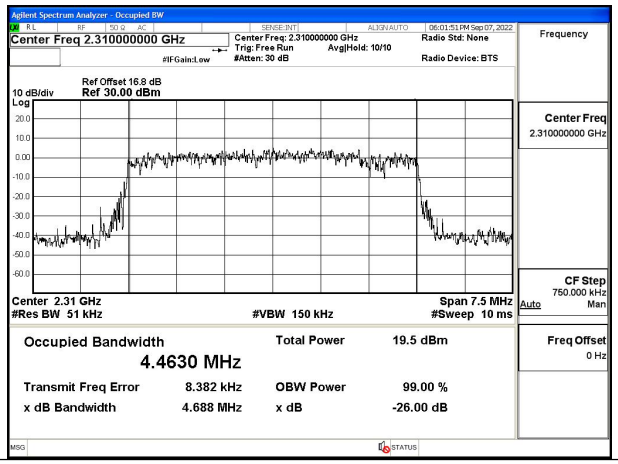


Fig.2

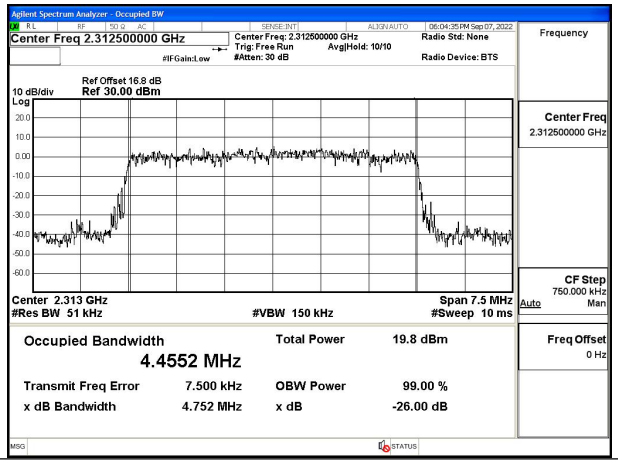


Fig.3

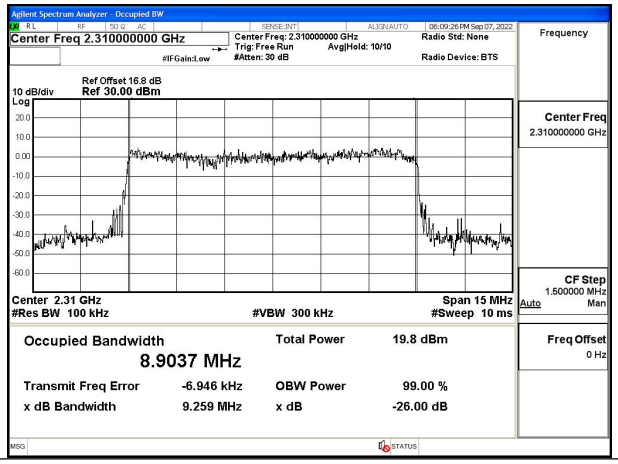


Fig.4

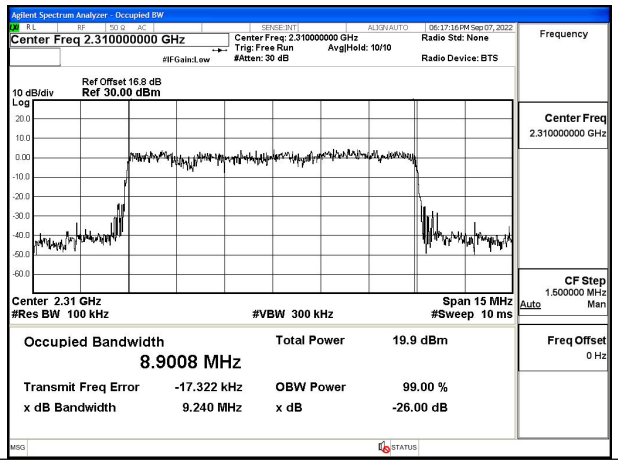


Fig.5

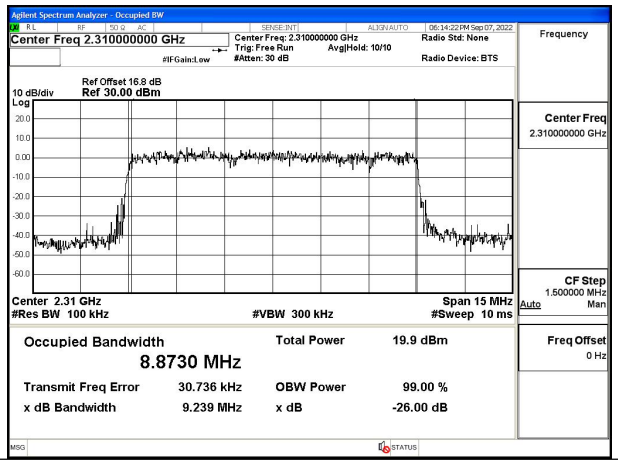


Fig.6

Test Mode: 16QAM

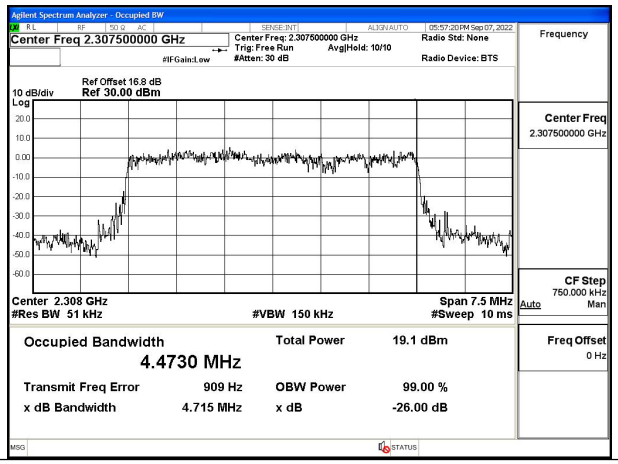


Fig.7

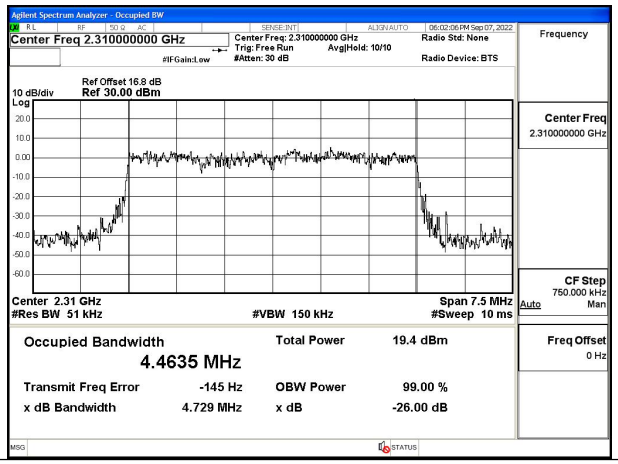


Fig.8

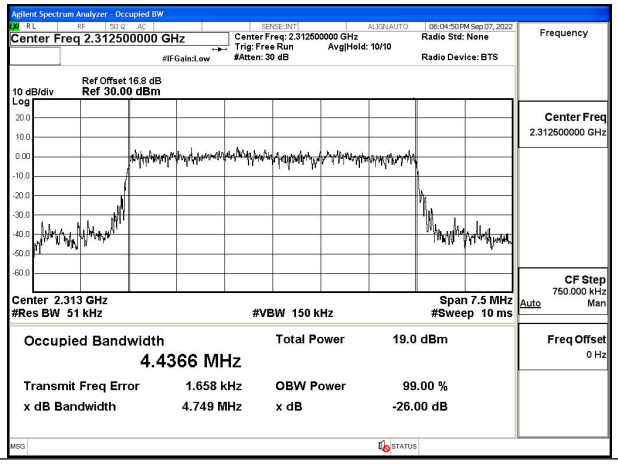


Fig.9

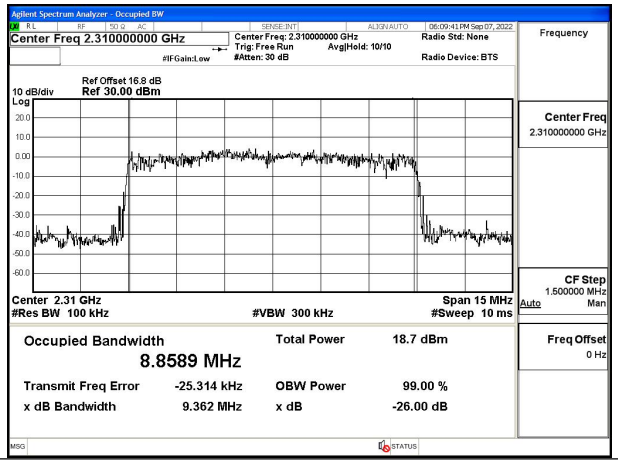


Fig.10

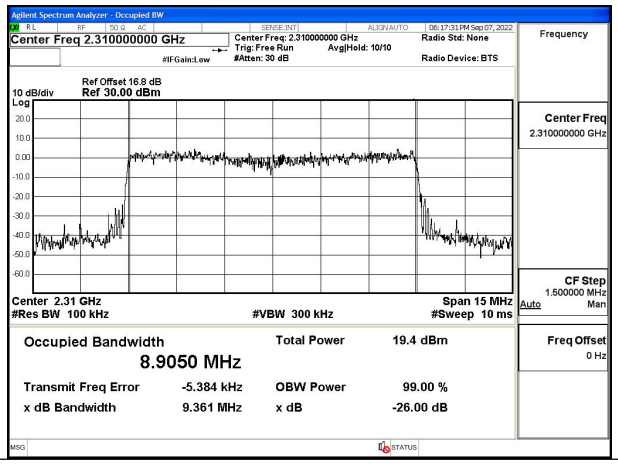


Fig.11

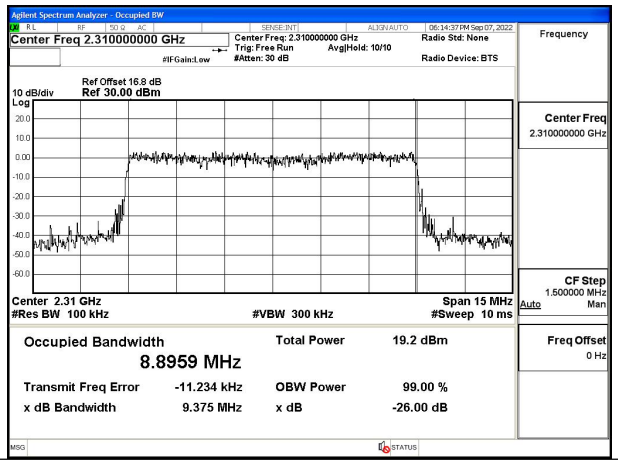


Fig.12

Test Mode: 64QAM

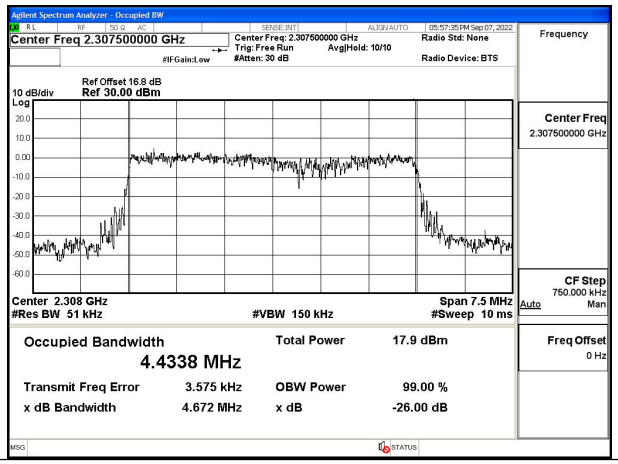


Fig.13

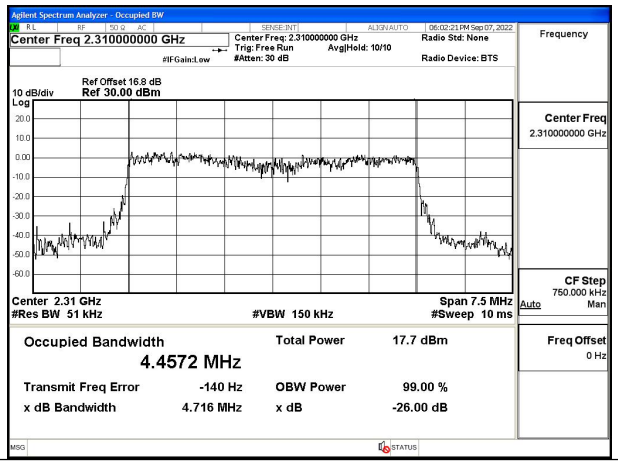


Fig.14

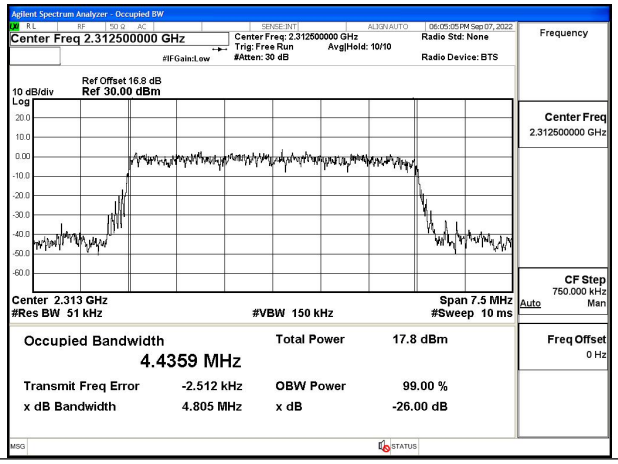


Fig.15

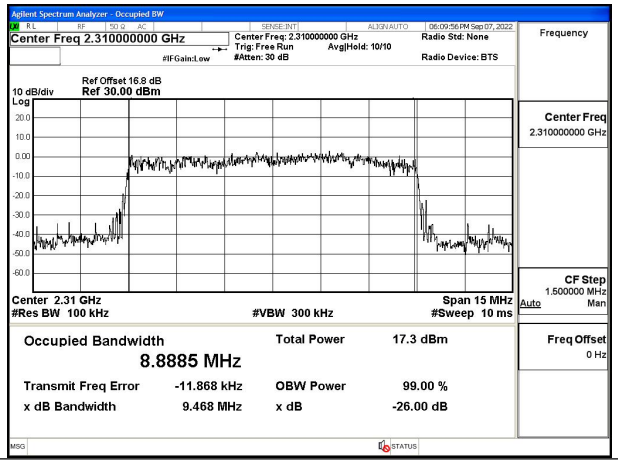


Fig.16

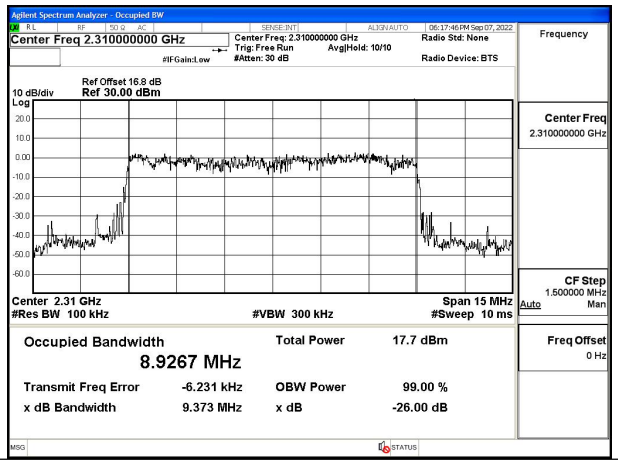


Fig.17

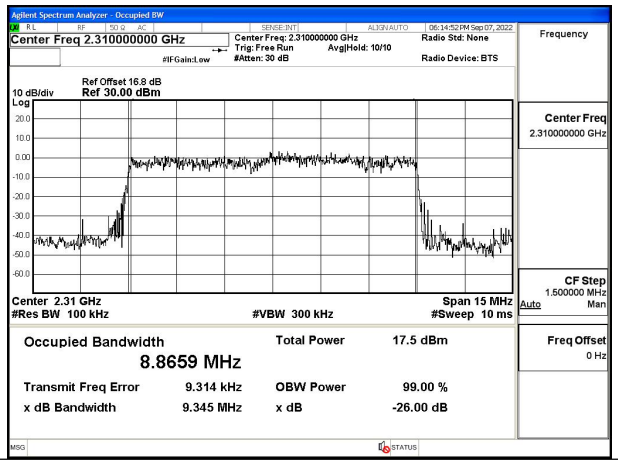


Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	QPSK	2307.5	38725	5	25	0	4.81	Fig.1
40	QPSK	2310	38750	5	25	0	4.69	Fig.2
40	QPSK	2312.5	38775	5	25	0	4.75	Fig.3
40	QPSK	2310	38750	10	50	0	9.24	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	16QAM	2307.5	38725	5	25	0	4.72	Fig.7
40	16QAM	2310	38750	5	25	0	4.73	Fig.8
40	16QAM	2312.5	38775	5	25	0	4.75	Fig.9
40	16QAM	2310	38750	10	50	0	9.38	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	64QAM	2307.5	38725	5	25	0	4.67	Fig.13
40	64QAM	2310	38750	5	25	0	4.72	Fig.14
40	64QAM	2312.5	38775	5	25	0	4.80	Fig.15
40	64QAM	2310	38750	10	50	0	9.35	Fig.18

Test Mode: QPSK

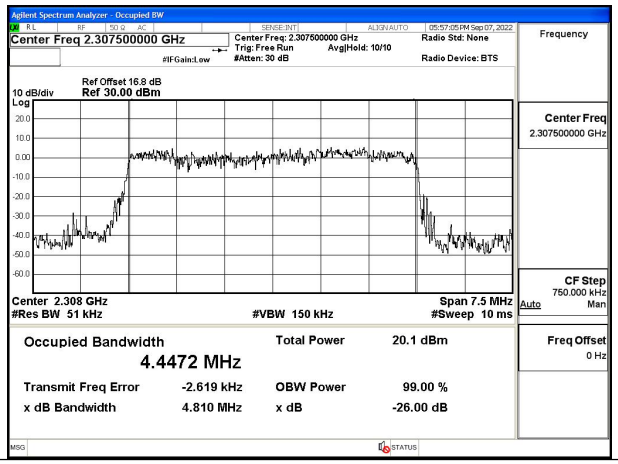


Fig.1

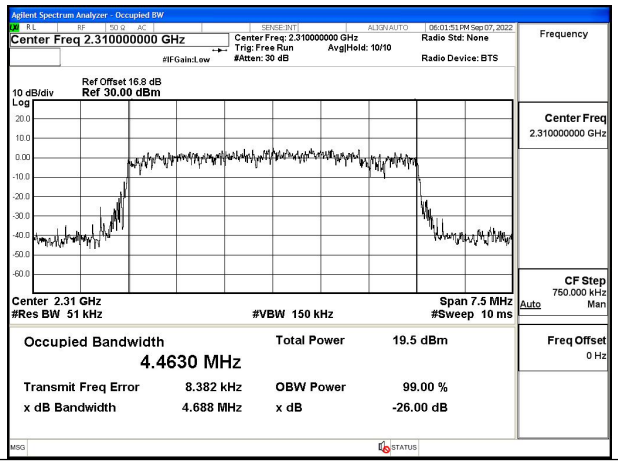


Fig.2

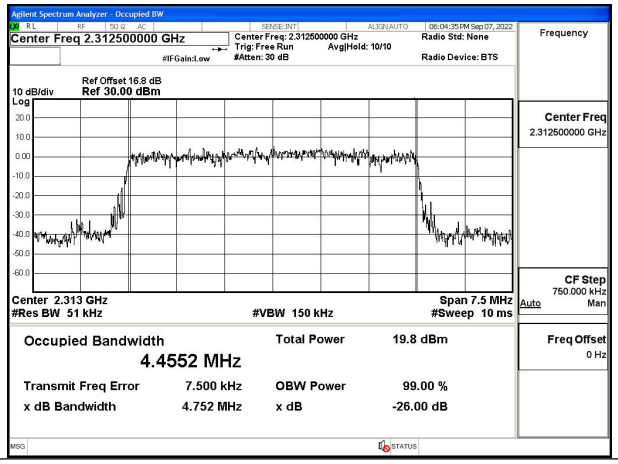


Fig.3

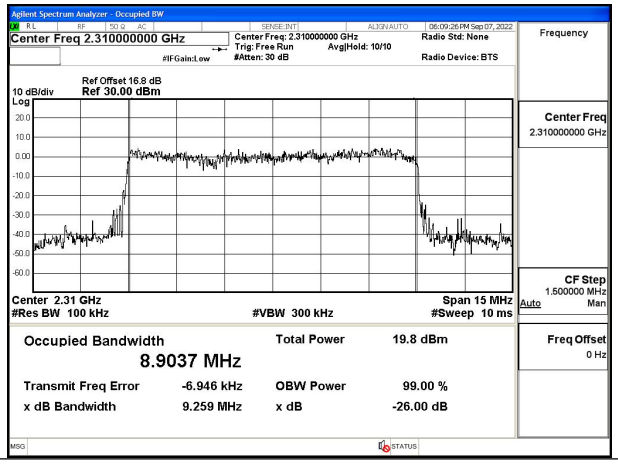


Fig.4

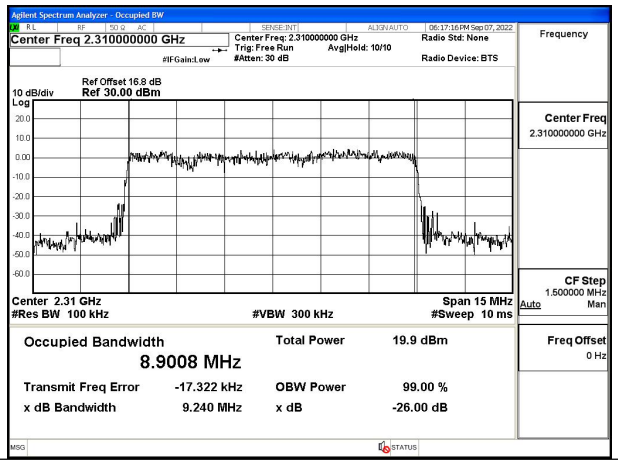


Fig.5

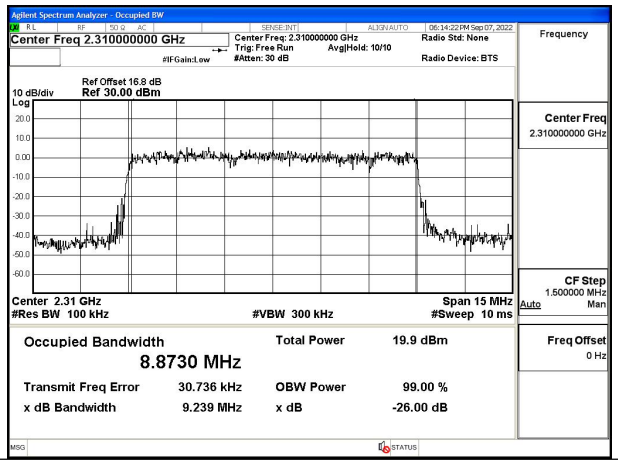


Fig.6

Test Mode: 16QAM

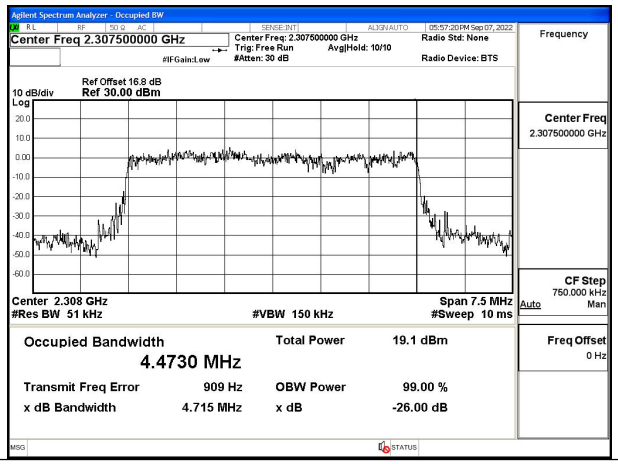


Fig.7

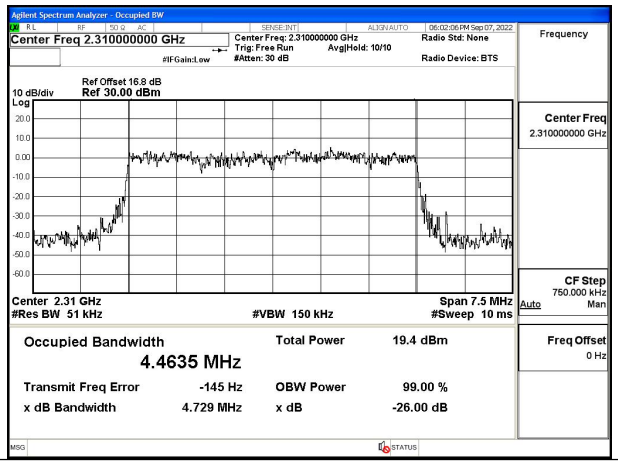


Fig.8

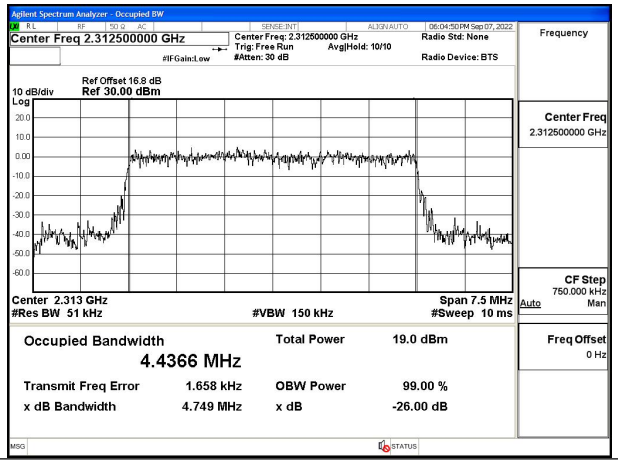


Fig.9

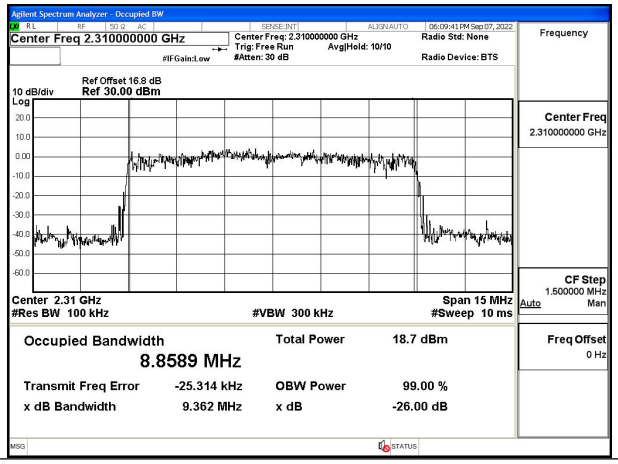


Fig.10

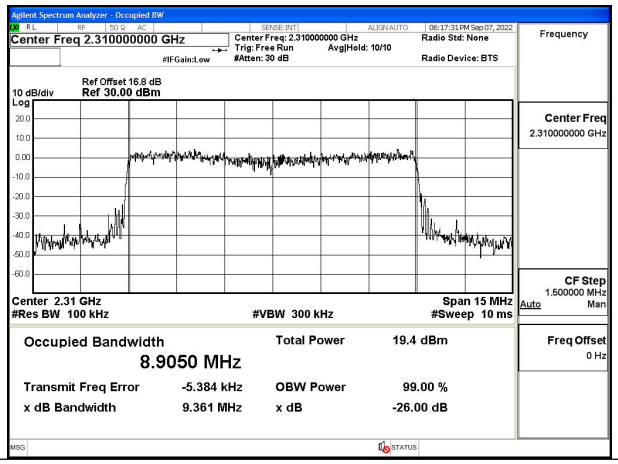


Fig.11

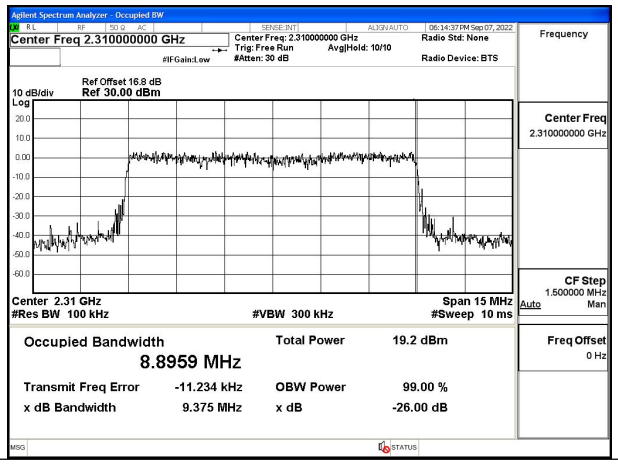


Fig.12

Test Mode: 64QAM

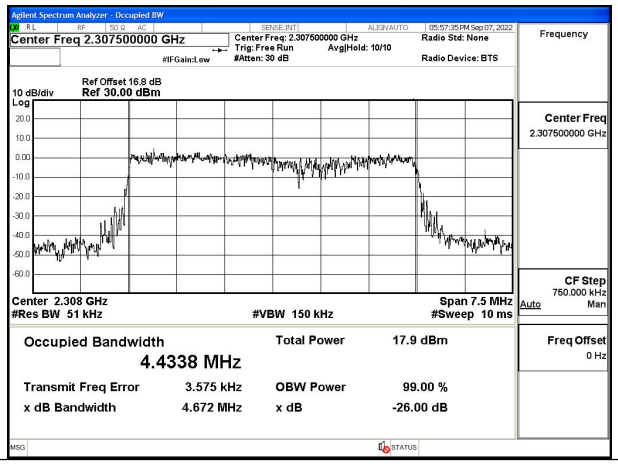


Fig.13

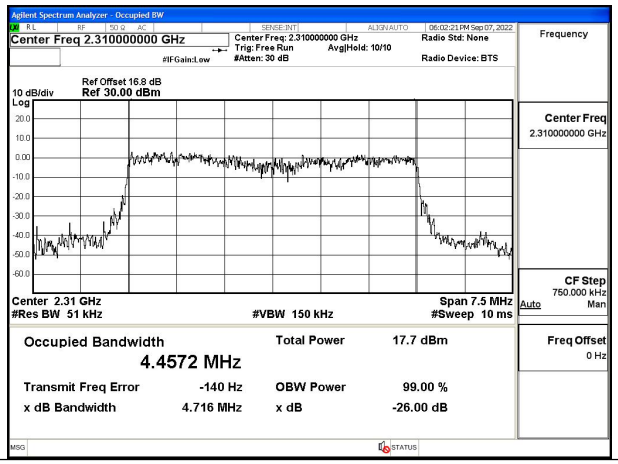


Fig.14

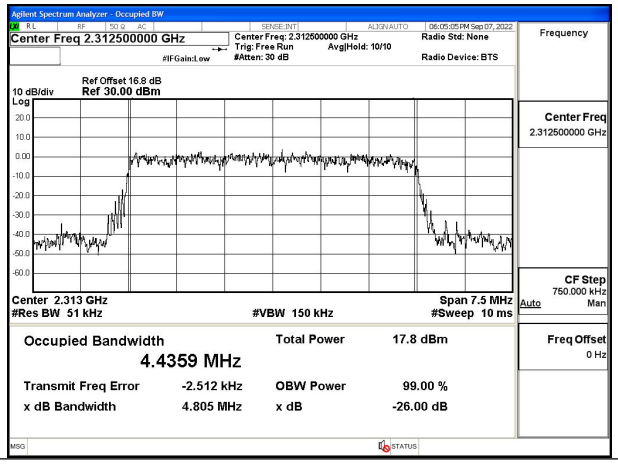


Fig.15

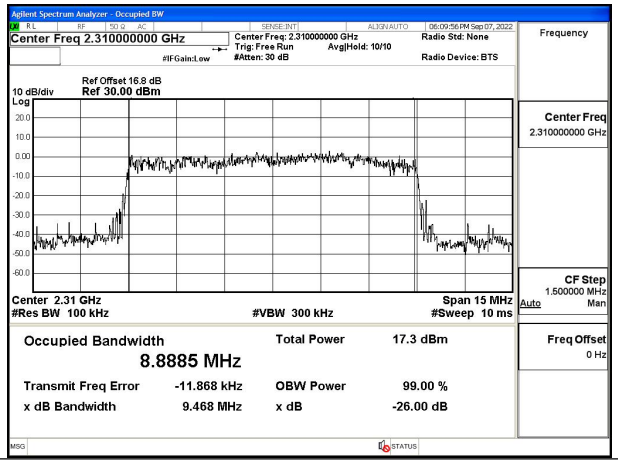


Fig.16

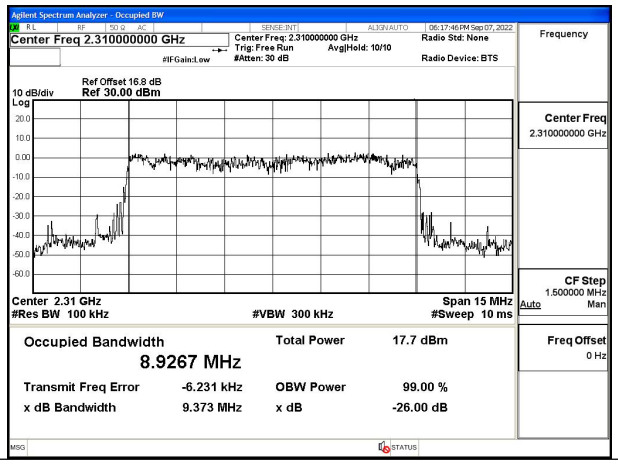


Fig.17

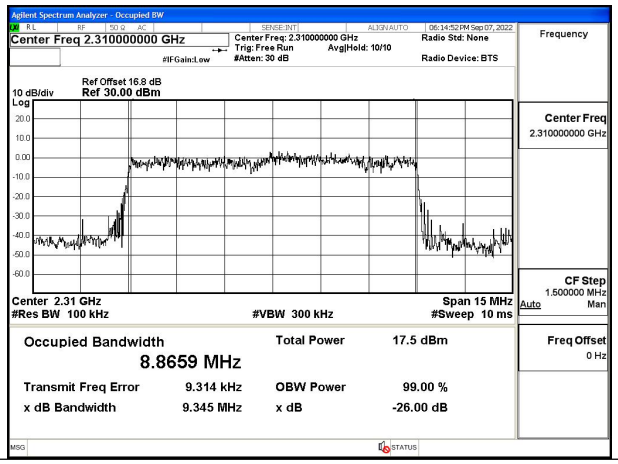


Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
40	2307.5	38725	5	1	24	Fig.1	Fig.2	Fig.3
40	2307.5	38725	5	25	0	Fig.4	Fig.5	Fig.6
40	2310	38750	5	1	24	Fig.7	Fig.8	Fig.9
40	2310	38750	5	25	0	Fig.10	Fig.11	Fig.12
40	2312.5	38775	5	1	24	Fig.13	Fig.14	Fig.15
40	2312.5	38775	5	25	0	Fig.16	Fig.17	Fig.18
40	2310	38750	10	1	49	Fig.19	Fig.20	Fig.21
40	2310	38750	10	50	0	Fig.22	Fig.23	Fig.24

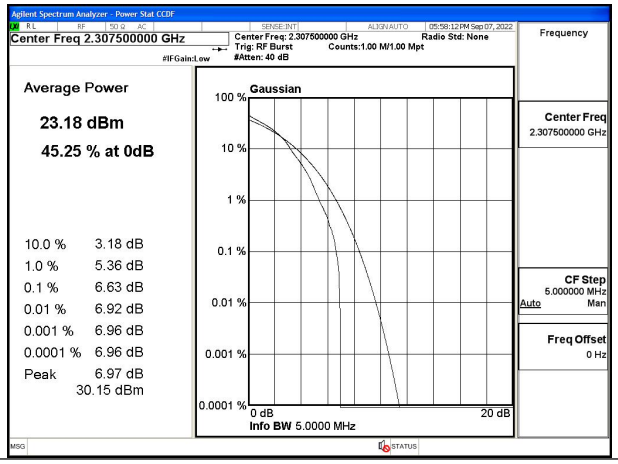


Fig.1

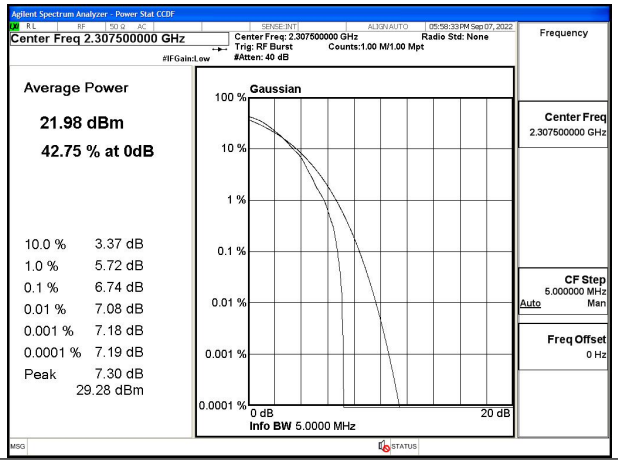
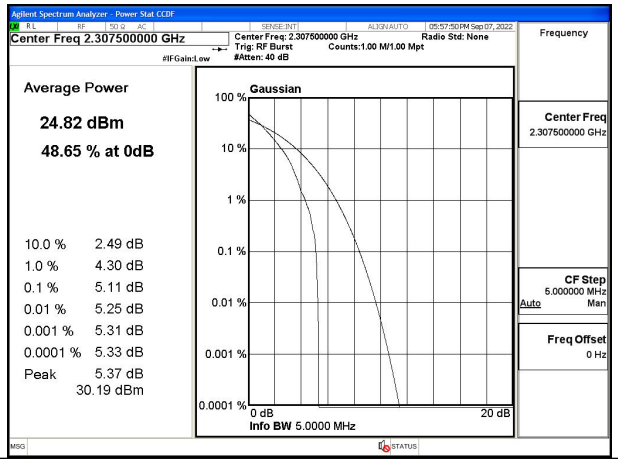


Fig.2



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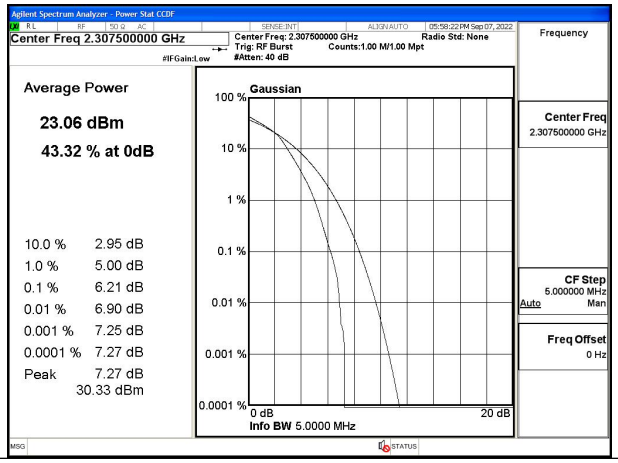

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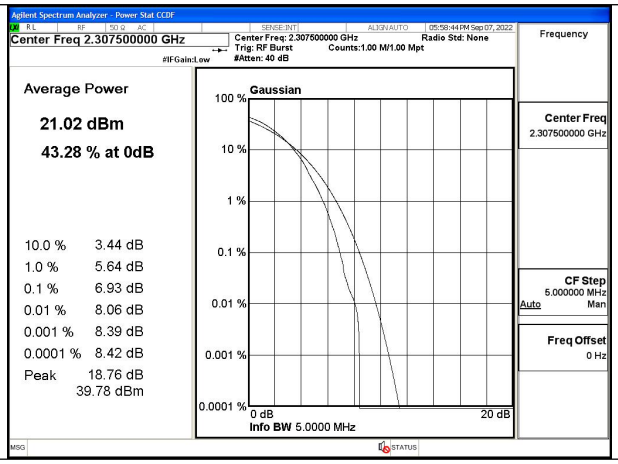


Fig.5

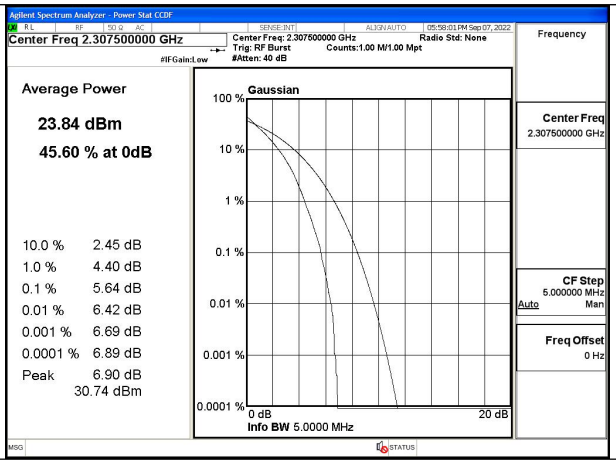


Fig.6

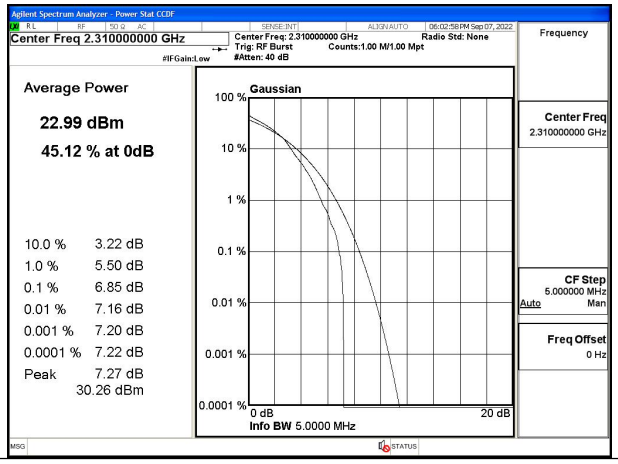


Fig.7

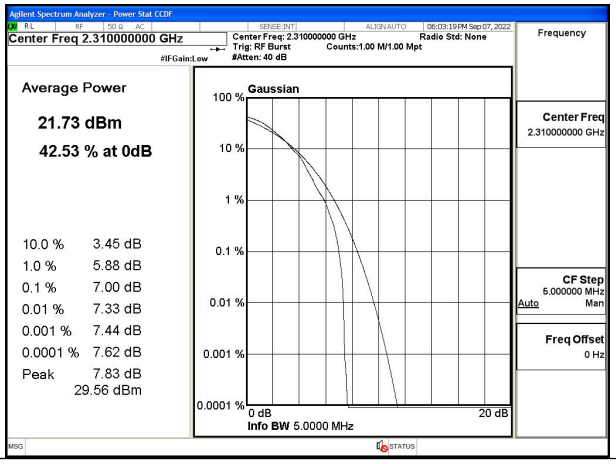


Fig.8

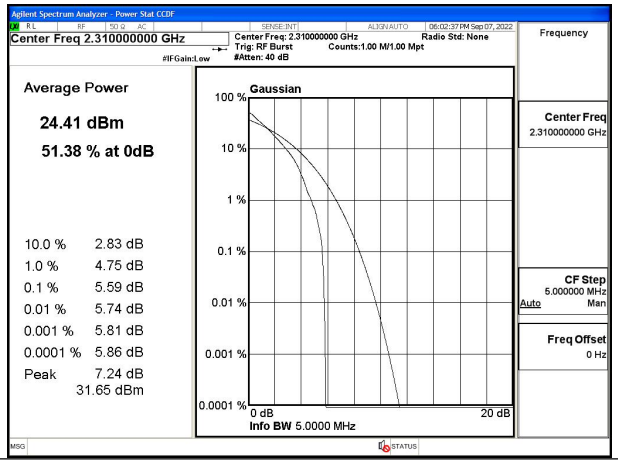


Fig.9

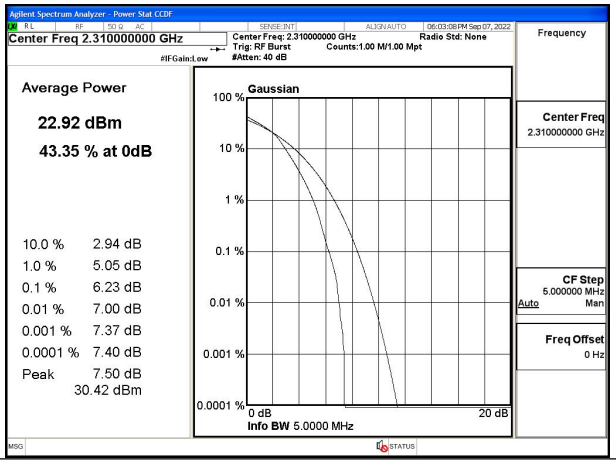


Fig.10

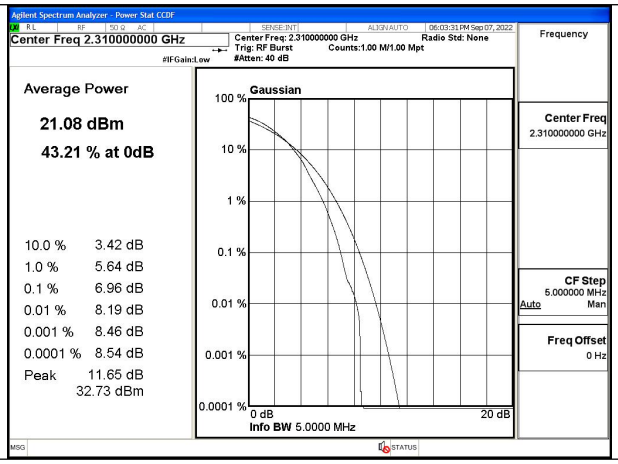


Fig.11

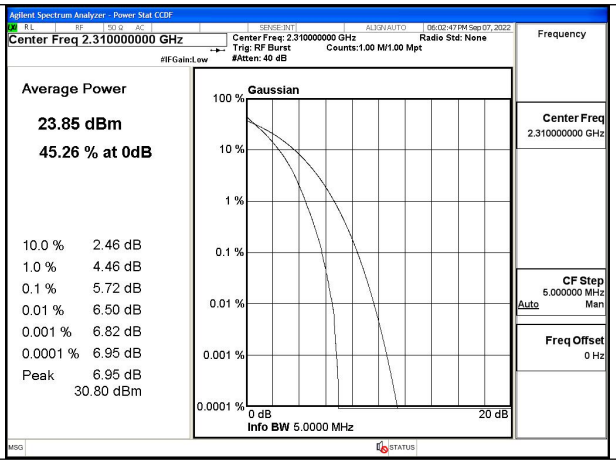


Fig.12

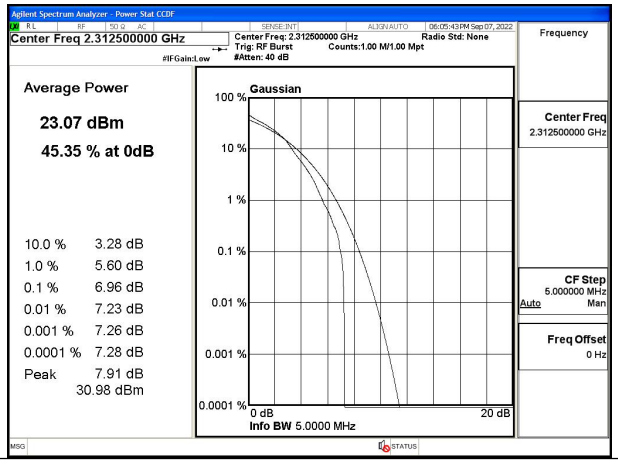


Fig.13

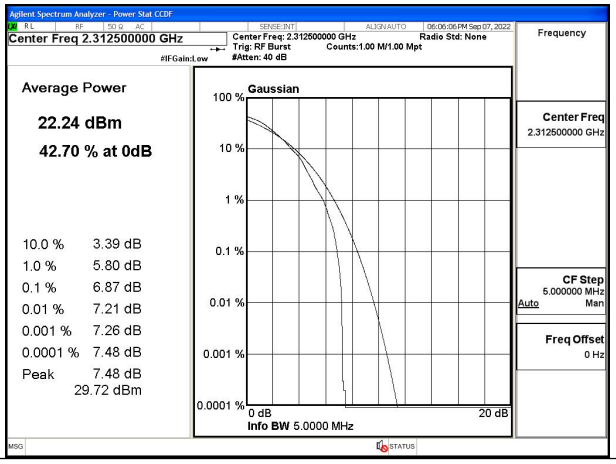


Fig.14

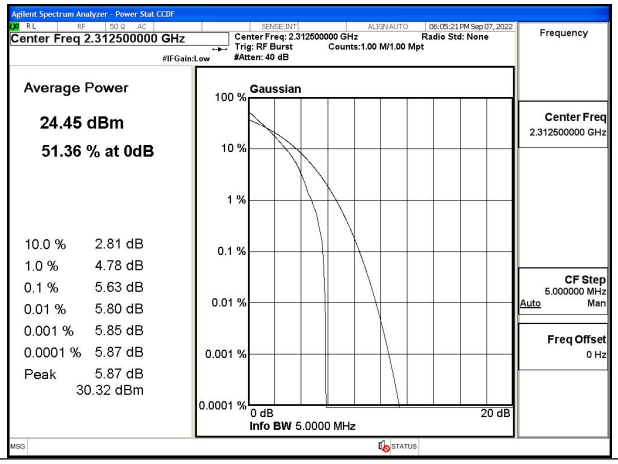


Fig.15

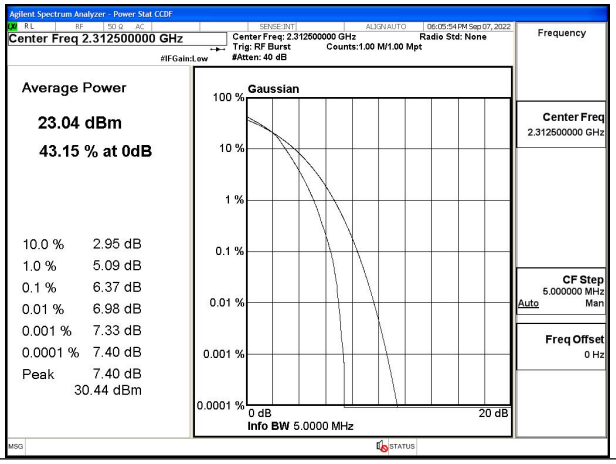


Fig.16

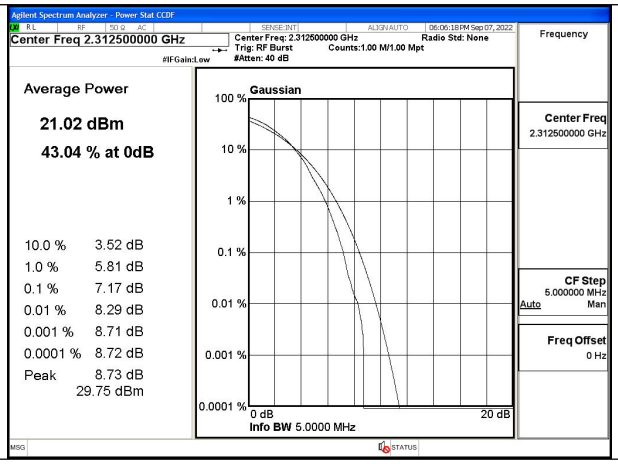


Fig.17

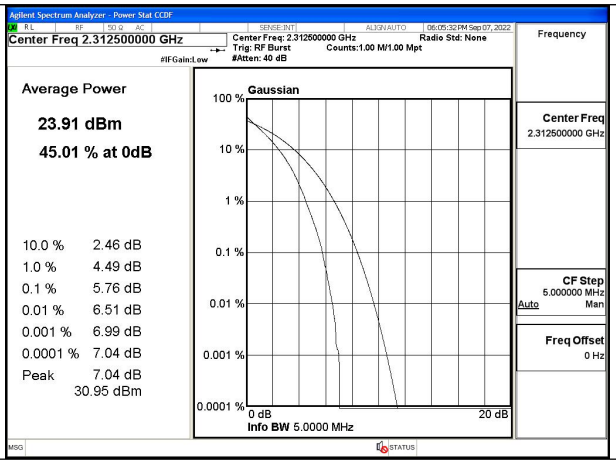
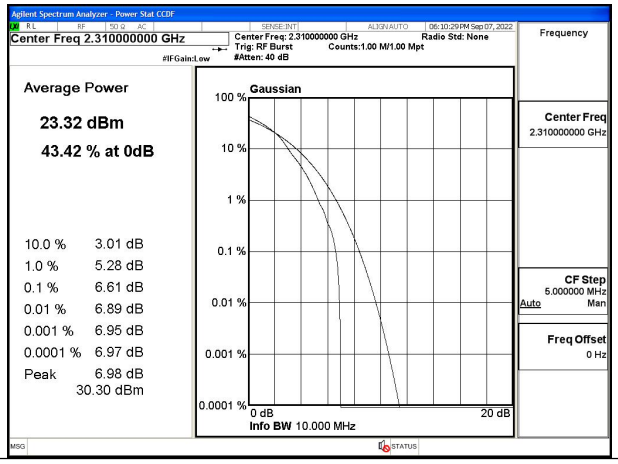


Fig.18



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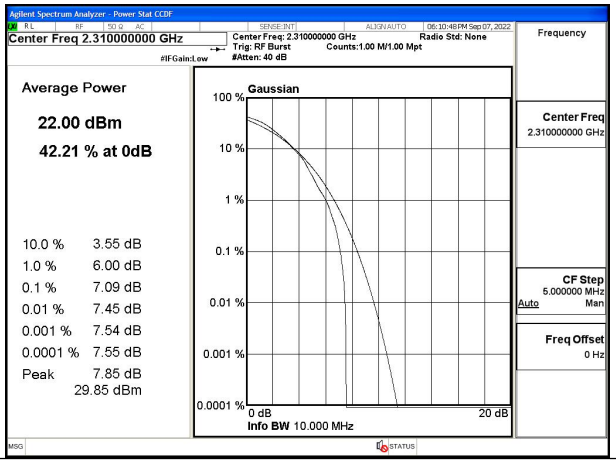
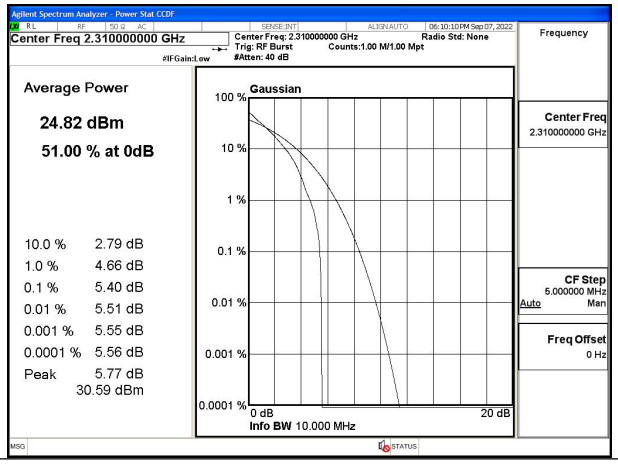


Fig.20



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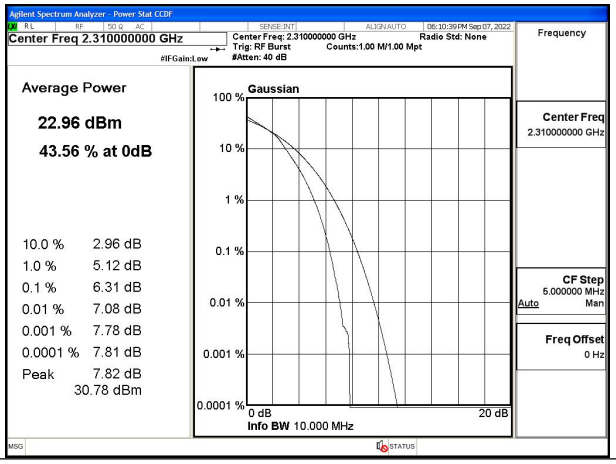
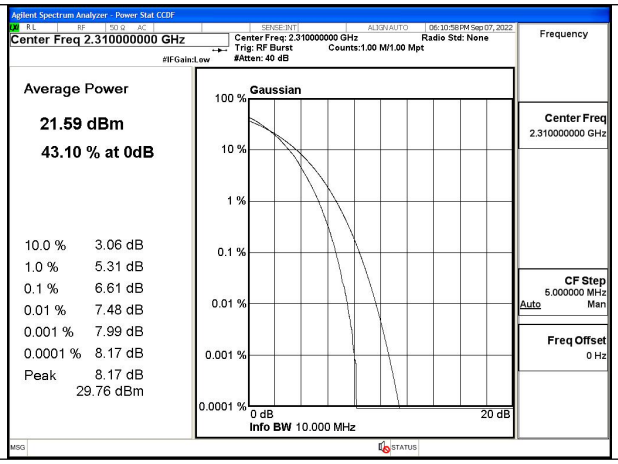


Fig.22



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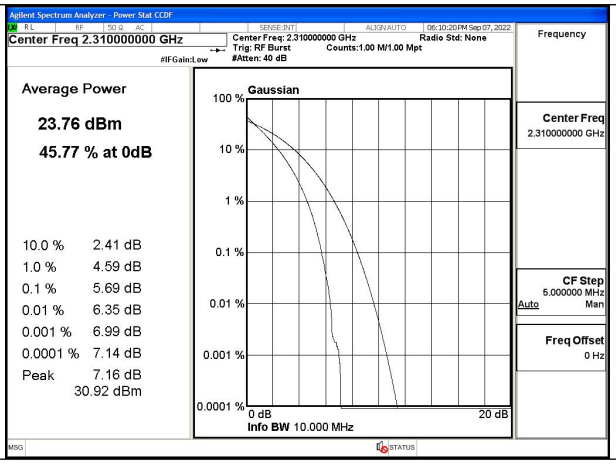

Fig.24

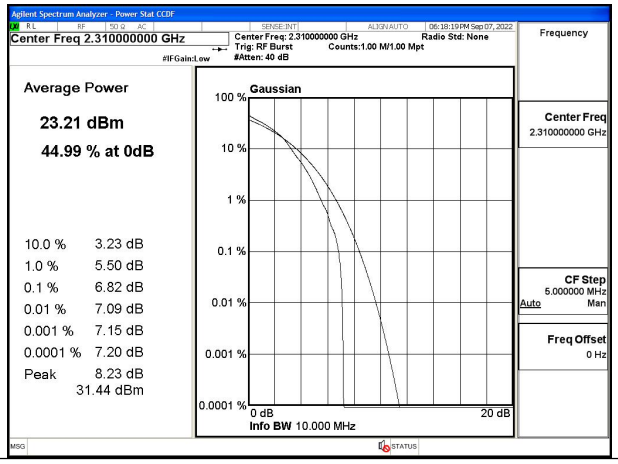

Fig.25

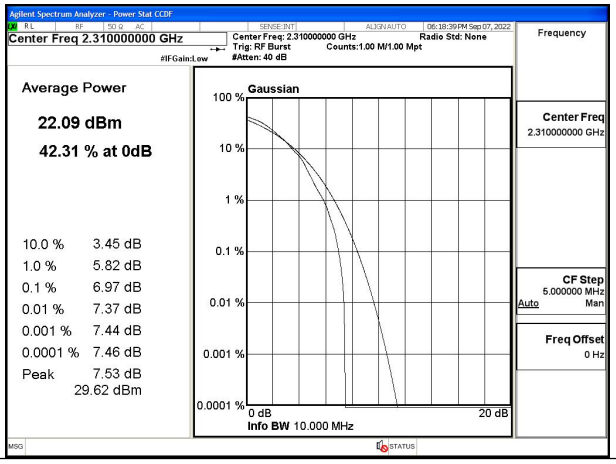

Fig.26

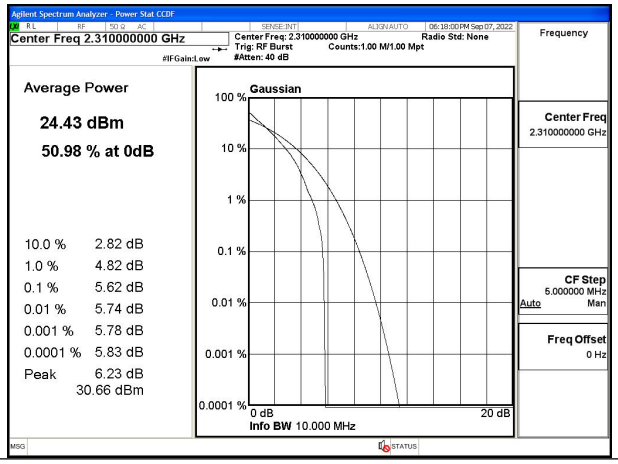

Fig.27

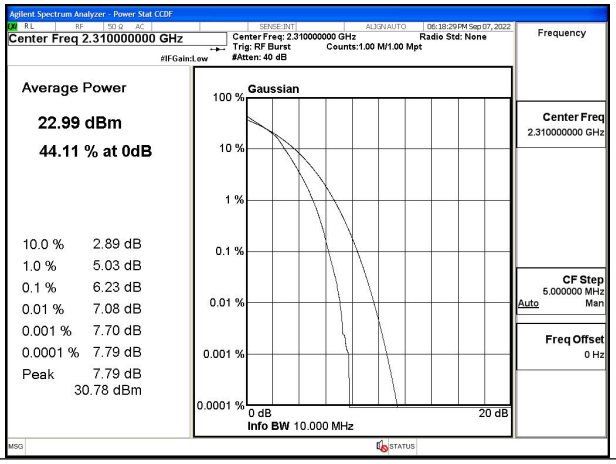

Fig.28