

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	24.15
QPSK	2572.5	37775	5	1	12	24.34
QPSK	2572.5	37775	5	1	24	24.22
QPSK	2572.5	37775	5	12	0	23.21
QPSK	2572.5	37775	5	12	7	23.20
QPSK	2572.5	37775	5	12	13	23.06
QPSK	2572.5	37775	5	25	0	23.06
QPSK	2595	38000	5	1	0	24.32
QPSK	2595	38000	5	1	12	24.37
QPSK	2595	38000	5	1	24	24.26
QPSK	2595	38000	5	12	0	22.98
QPSK	2595	38000	5	12	7	22.97
QPSK	2595	38000	5	12	13	22.97
QPSK	2595	38000	5	25	0	23.00
QPSK	2617.5	38225	5	1	0	24.11
QPSK	2617.5	38225	5	1	12	24.08
QPSK	2617.5	38225	5	1	24	24.19
QPSK	2617.5	38225	5	12	0	23.04
QPSK	2617.5	38225	5	12	7	23.00
QPSK	2617.5	38225	5	12	13	23.00
QPSK	2617.5	38225	5	25	0	23.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2572.5	37775	5	1	0	22.92
16QAM	2572.5	37775	5	1	12	22.84
16QAM	2572.5	37775	5	1	24	22.91
16QAM	2572.5	37775	5	12	0	22.25
16QAM	2572.5	37775	5	12	7	22.22
16QAM	2572.5	37775	5	12	13	22.26
16QAM	2572.5	37775	5	25	0	22.44
16QAM	2595	38000	5	1	0	23.10
16QAM	2595	38000	5	1	12	22.96
16QAM	2595	38000	5	1	24	23.01
16QAM	2595	38000	5	12	0	22.25
16QAM	2595	38000	5	12	7	22.37
16QAM	2595	38000	5	12	13	22.22
16QAM	2595	38000	5	25	0	22.04
16QAM	2617.5	38225	5	1	0	22.84
16QAM	2617.5	38225	5	1	12	22.85
16QAM	2617.5	38225	5	1	24	22.84
16QAM	2617.5	38225	5	12	0	22.21
16QAM	2617.5	38225	5	12	7	22.20
16QAM	2617.5	38225	5	12	13	22.05
16QAM	2617.5	38225	5	25	0	22.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	24.86
QPSK	2575	37800	10	1	25	24.77
QPSK	2575	37800	10	1	49	24.82
QPSK	2575	37800	10	25	0	23.11
QPSK	2575	37800	10	25	12	23.21
QPSK	2575	37800	10	25	25	23.04
QPSK	2575	37800	10	50	0	23.28
QPSK	2595	38000	10	1	0	24.42
QPSK	2595	38000	10	1	25	24.38
QPSK	2595	38000	10	1	49	24.24
QPSK	2595	38000	10	25	0	22.99
QPSK	2595	38000	10	25	12	23.03
QPSK	2595	38000	10	25	25	22.98
QPSK	2595	38000	10	50	0	23.12
QPSK	2615	38200	10	1	0	24.49
QPSK	2615	38200	10	1	25	24.44
QPSK	2615	38200	10	1	49	24.56
QPSK	2615	38200	10	25	0	22.91
QPSK	2615	38200	10	25	12	22.96
QPSK	2615	38200	10	25	25	22.88
QPSK	2615	38200	10	50	0	23.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2575	37800	10	1	0	23.06
16QAM	2575	37800	10	1	25	23.00
16QAM	2575	37800	10	1	49	22.94
16QAM	2575	37800	10	25	0	22.54
16QAM	2575	37800	10	25	12	22.24
16QAM	2575	37800	10	25	25	22.25
16QAM	2575	37800	10	50	0	22.32
16QAM	2595	38000	10	1	0	23.14
16QAM	2595	38000	10	1	25	22.94
16QAM	2595	38000	10	1	49	22.89
16QAM	2595	38000	10	25	0	22.17
16QAM	2595	38000	10	25	12	22.01
16QAM	2595	38000	10	25	25	22.08
16QAM	2595	38000	10	50	0	22.11
16QAM	2615	38200	10	1	0	22.72
16QAM	2615	38200	10	1	25	22.73
16QAM	2615	38200	10	1	49	22.72
16QAM	2615	38200	10	25	0	22.06
16QAM	2615	38200	10	25	12	22.09
16QAM	2615	38200	10	25	25	22.06
16QAM	2615	38200	10	50	0	22.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	24.81
QPSK	2577.5	37825	15	1	37	24.77
QPSK	2577.5	37825	15	1	74	24.81
QPSK	2577.5	37825	15	36	0	23.21
QPSK	2577.5	37825	15	36	29	23.22
QPSK	2577.5	37825	15	36	30	23.23
QPSK	2577.5	37825	15	75	0	23.25
QPSK	2595	38000	15	1	0	24.50
QPSK	2595	38000	15	1	37	24.37
QPSK	2595	38000	15	1	74	23.95
QPSK	2595	38000	15	36	0	23.16
QPSK	2595	38000	15	36	29	23.05
QPSK	2595	38000	15	36	30	23.06
QPSK	2595	38000	15	75	0	22.89
QPSK	2612.5	38175	15	1	0	24.46
QPSK	2612.5	38175	15	1	37	24.41
QPSK	2612.5	38175	15	1	74	24.43
QPSK	2612.5	38175	15	36	0	23.00
QPSK	2612.5	38175	15	36	29	22.92
QPSK	2612.5	38175	15	36	30	22.92
QPSK	2612.5	38175	15	75	0	22.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2577.5	37825	15	1	0	22.93
16QAM	2577.5	37825	15	1	37	22.98
16QAM	2577.5	37825	15	1	74	22.93
16QAM	2577.5	37825	15	36	0	22.20
16QAM	2577.5	37825	15	36	29	22.20
16QAM	2577.5	37825	15	36	30	22.20
16QAM	2577.5	37825	15	75	0	22.48
16QAM	2595	38000	15	1	0	23.06
16QAM	2595	38000	15	1	37	22.93
16QAM	2595	38000	15	1	74	22.79
16QAM	2595	38000	15	36	0	22.29
16QAM	2595	38000	15	36	29	22.18
16QAM	2595	38000	15	36	30	22.00
16QAM	2595	38000	15	75	0	22.29
16QAM	2612.5	38175	15	1	0	22.67
16QAM	2612.5	38175	15	1	37	22.62
16QAM	2612.5	38175	15	1	74	22.90
16QAM	2612.5	38175	15	36	0	22.01
16QAM	2612.5	38175	15	36	29	22.13
16QAM	2612.5	38175	15	36	30	22.13
16QAM	2612.5	38175	15	75	0	22.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	24.85
QPSK	2580	37850	20	1	49	24.85
QPSK	2580	37850	20	1	99	24.71
QPSK	2580	37850	20	50	0	23.22
QPSK	2580	37850	20	50	24	23.31
QPSK	2580	37850	20	50	50	23.04
QPSK	2580	37850	20	100	0	23.27
QPSK	2595	38000	20	1	0	24.57
QPSK	2595	38000	20	1	49	24.35
QPSK	2595	38000	20	1	99	24.29
QPSK	2595	38000	20	50	0	23.09
QPSK	2595	38000	20	50	24	23.04
QPSK	2595	38000	20	50	50	23.03
QPSK	2595	38000	20	100	0	22.89
QPSK	2610	38150	20	1	0	24.53
QPSK	2610	38150	20	1	49	24.44
QPSK	2610	38150	20	1	99	24.23
QPSK	2610	38150	20	50	0	23.17
QPSK	2610	38150	20	50	24	22.97
QPSK	2610	38150	20	50	50	23.13
QPSK	2610	38150	20	100	0	23.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2580	37850	20	1	0	22.96
16QAM	2580	37850	20	1	49	22.94
16QAM	2580	37850	20	1	99	22.79
16QAM	2580	37850	20	50	0	22.51
16QAM	2580	37850	20	50	24	22.40
16QAM	2580	37850	20	50	50	22.29
16QAM	2580	37850	20	100	0	22.27
16QAM	2595	38000	20	1	0	23.14
16QAM	2595	38000	20	1	49	22.82
16QAM	2595	38000	20	1	99	22.80
16QAM	2595	38000	20	50	0	22.26
16QAM	2595	38000	20	50	24	22.23
16QAM	2595	38000	20	50	50	22.23
16QAM	2595	38000	20	100	0	22.37
16QAM	2610	38150	20	1	0	23.15
16QAM	2610	38150	20	1	49	23.06
16QAM	2610	38150	20	1	99	23.16
16QAM	2610	38150	20	50	0	22.27
16QAM	2610	38150	20	50	24	22.22
16QAM	2610	38150	20	50	50	22.11
16QAM	2610	38150	20	100	0	22.14

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.434	Fig.1
38	QPSK	2595	38000	5	25	0	4.469	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.432	Fig.3
38	QPSK	2575	37800	10	50	0	8.913	Fig.4
38	QPSK	2595	38000	10	50	0	8.924	Fig.5
38	QPSK	2615	38200	10	50	0	8.893	Fig.6
38	QPSK	2577.5	37825	15	75	0	13.385	Fig.7
38	QPSK	2595	38000	15	75	0	13.391	Fig.8
38	QPSK	2612.5	38175	15	75	0	13.361	Fig.9
38	QPSK	2580	37850	20	100	0	17.802	Fig.10
38	QPSK	2595	38000	20	100	0	17.840	Fig.11
38	QPSK	2610	38150	20	100	0	17.827	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.440	Fig.13
38	16QAM	2595	38000	5	25	0	4.456	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.436	Fig.15
38	16QAM	2575	37800	10	50	0	8.946	Fig.16
38	16QAM	2595	38000	10	50	0	8.936	Fig.17
38	16QAM	2615	38200	10	50	0	8.938	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.373	Fig.19
38	16QAM	2595	38000	15	75	0	13.359	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.334	Fig.21
38	16QAM	2580	37850	20	100	0	17.724	Fig.22
38	16QAM	2595	38000	20	100	0	17.798	Fig.23
38	16QAM	2610	38150	20	100	0	17.800	Fig.24

Test Mode: QPSK

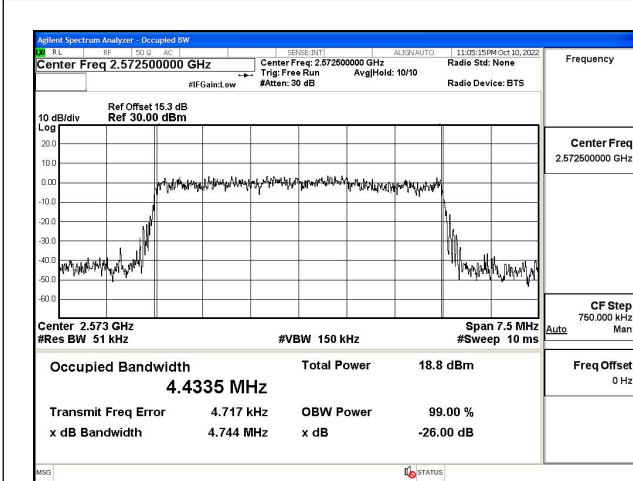


Fig.1

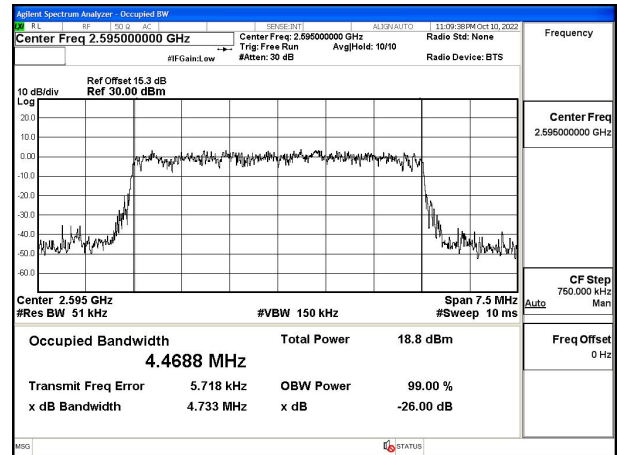


Fig.2

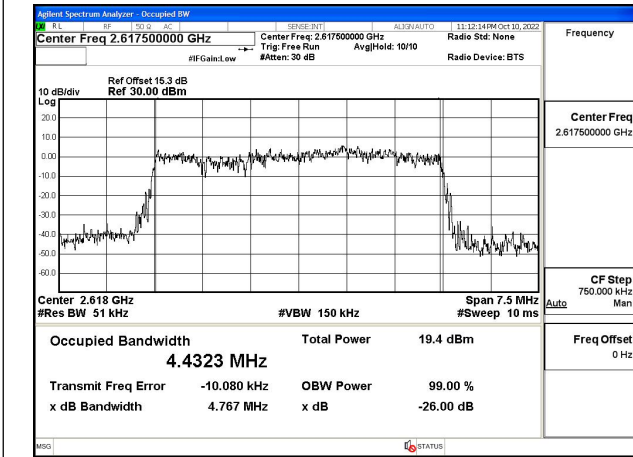


Fig.3

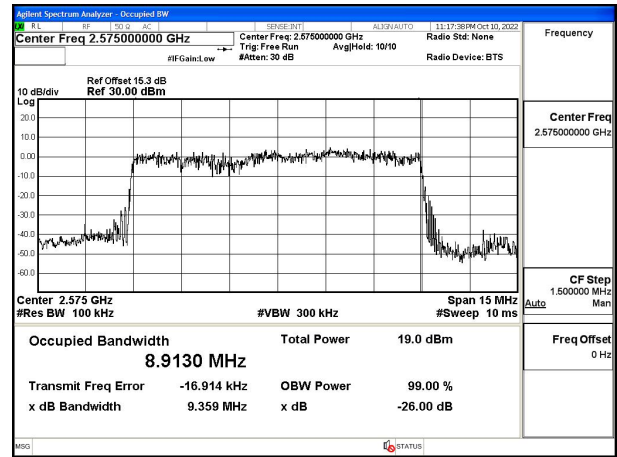


Fig.4

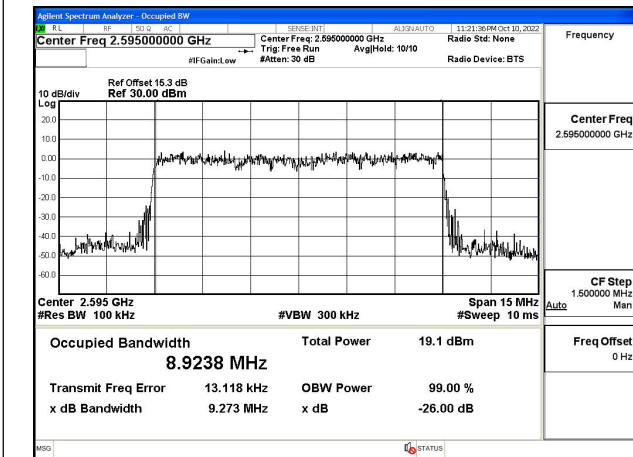


Fig.5

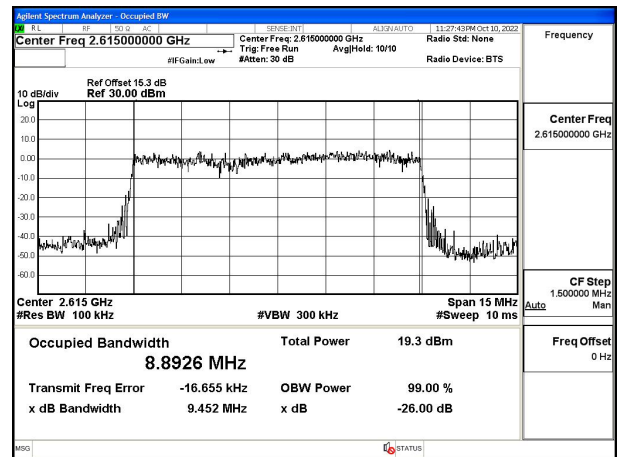


Fig.6

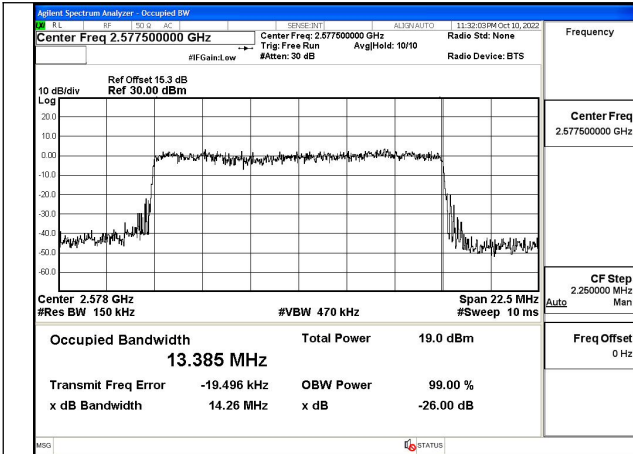


Fig.7

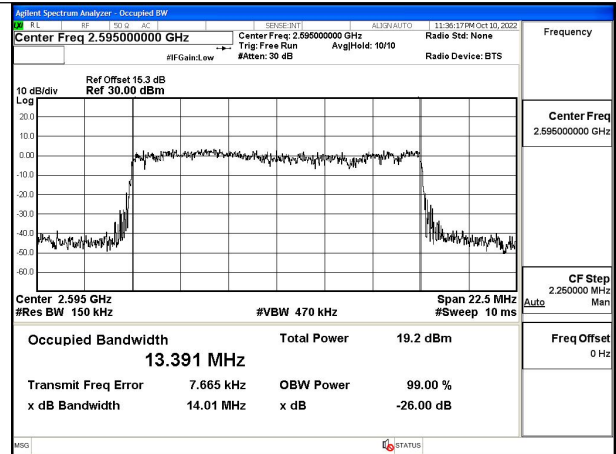


Fig.8

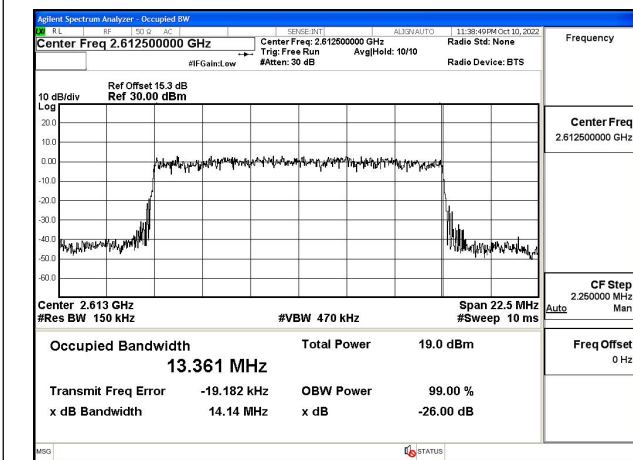


Fig.9

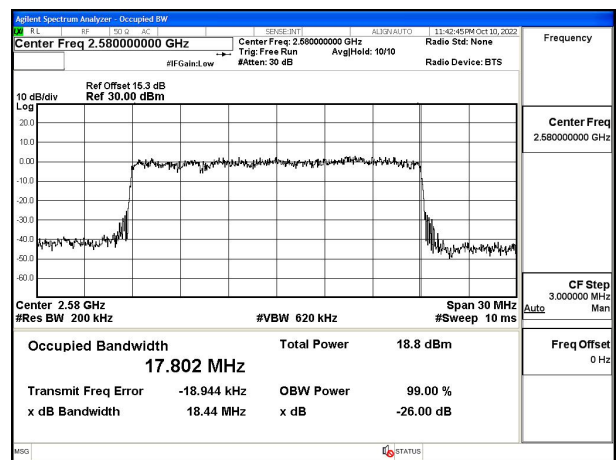


Fig.10

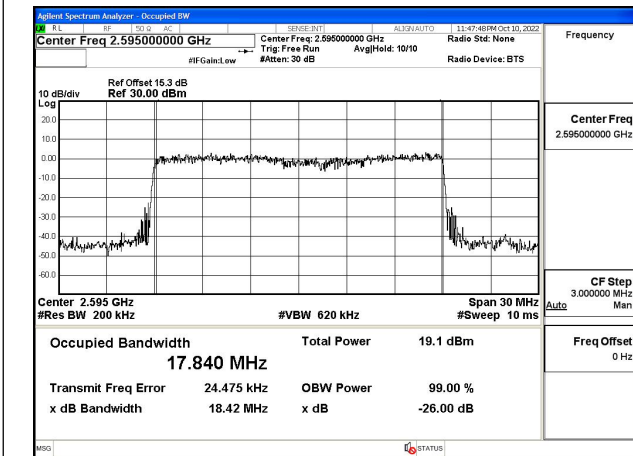


Fig.11

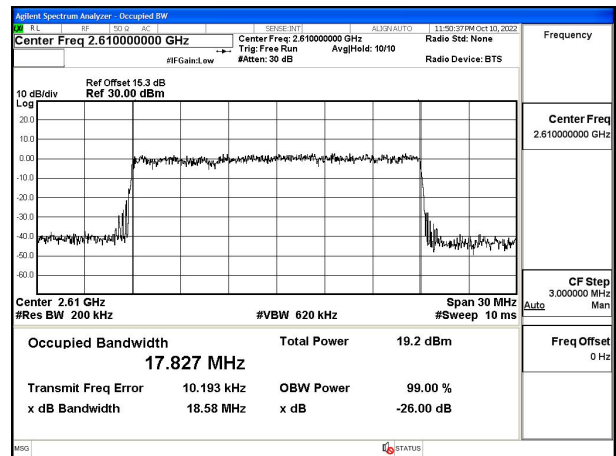


Fig.12

Test Mode: 16QAM

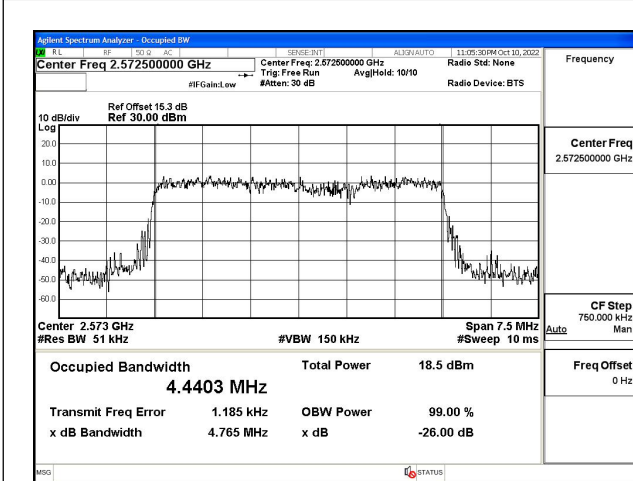


Fig.13

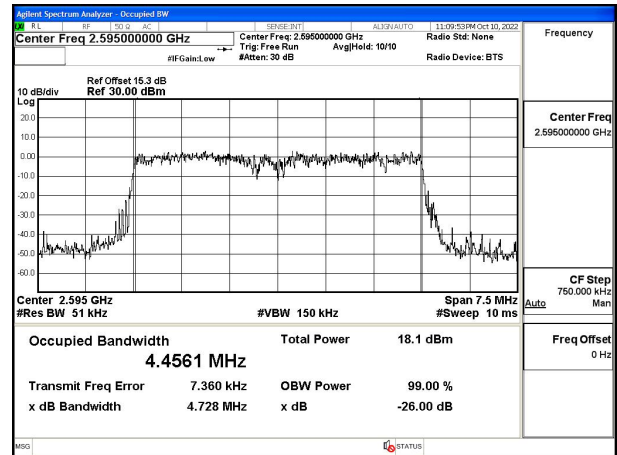


Fig.14

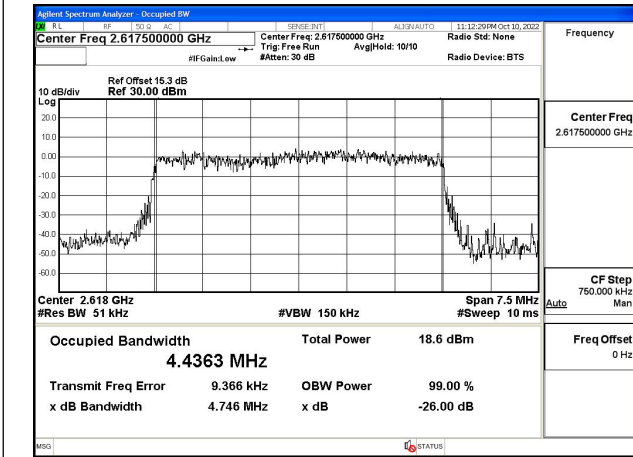


Fig.15

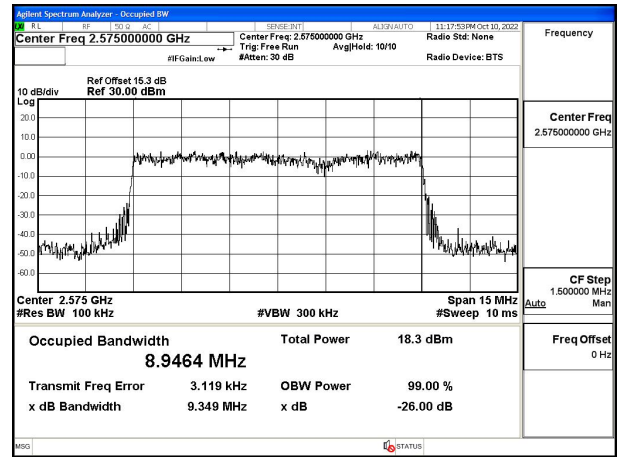


Fig.16

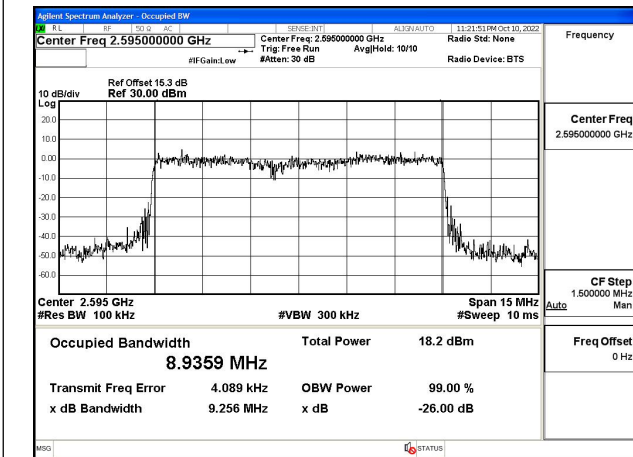


Fig.17

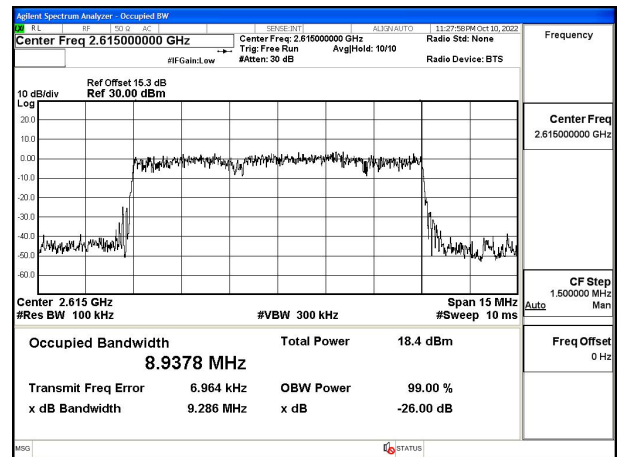


Fig.18

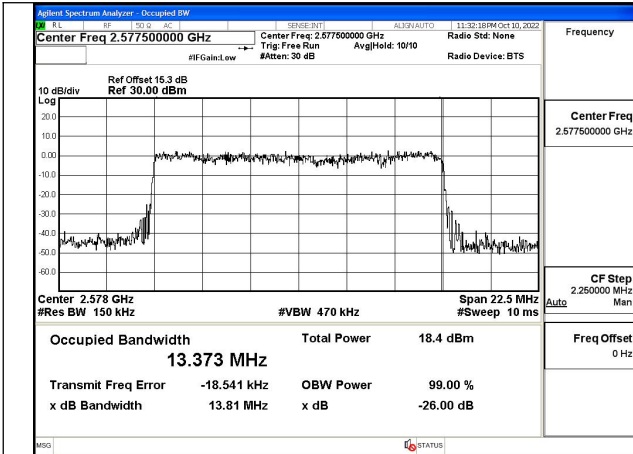


Fig.19

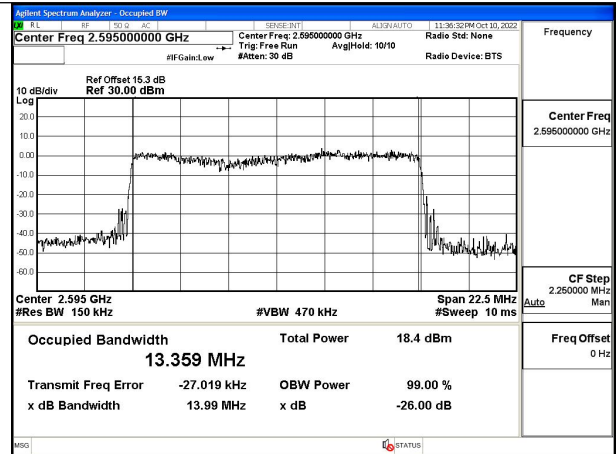


Fig.20

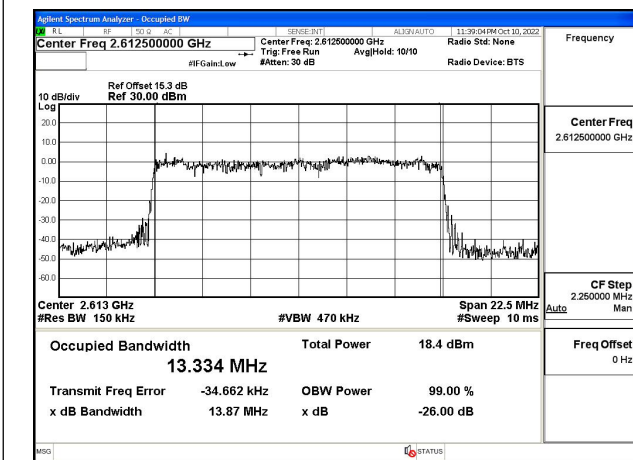


Fig.21

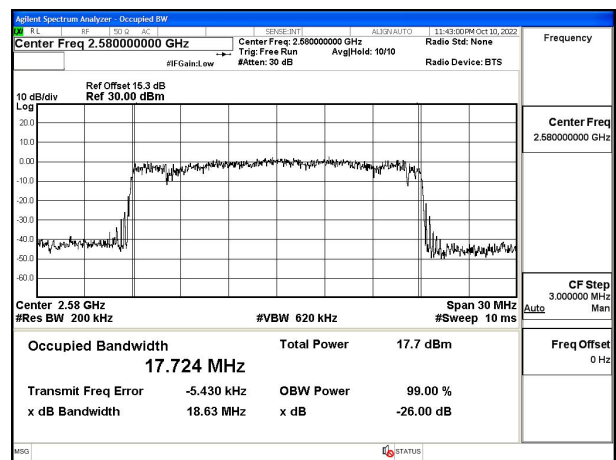


Fig.22

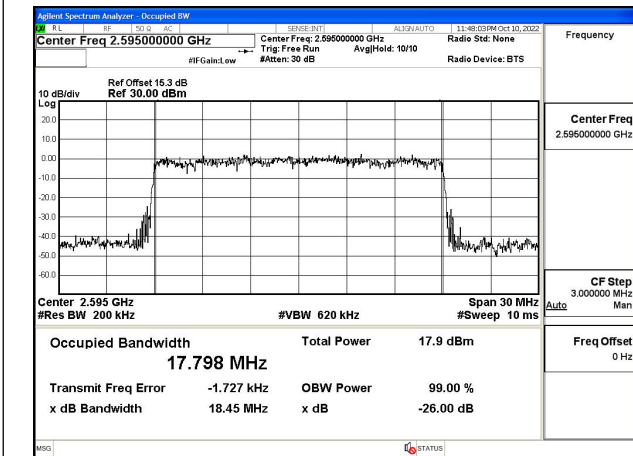


Fig.23

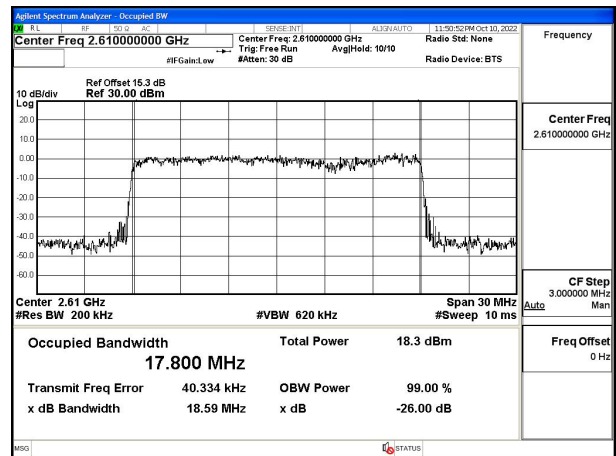


Fig.24

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	QPSK	2572.5	37775	5	25	0	4.744	Fig.1
38	QPSK	2595	38000	5	25	0	4.733	Fig.2
38	QPSK	2617.5	38225	5	25	0	4.767	Fig.3
38	QPSK	2575	37800	10	50	0	9.359	Fig.4
38	QPSK	2595	38000	10	50	0	9.273	Fig.5
38	QPSK	2615	38200	10	50	0	9.452	Fig.6
38	QPSK	2577.5	37825	15	75	0	14.258	Fig.7
38	QPSK	2595	38000	15	75	0	14.015	Fig.8
38	QPSK	2612.5	38175	15	75	0	14.144	Fig.9
38	QPSK	2580	37850	20	100	0	18.440	Fig.10
38	QPSK	2595	38000	20	100	0	18.420	Fig.11
38	QPSK	2610	38150	20	100	0	18.575	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
38	16QAM	2572.5	37775	5	25	0	4.765	Fig.13
38	16QAM	2595	38000	5	25	0	4.728	Fig.14
38	16QAM	2617.5	38225	5	25	0	4.746	Fig.15
38	16QAM	2575	37800	10	50	0	9.349	Fig.16
38	16QAM	2595	38000	10	50	0	9.256	Fig.17
38	16QAM	2615	38200	10	50	0	9.286	Fig.18
38	16QAM	2577.5	37825	15	75	0	13.809	Fig.19
38	16QAM	2595	38000	15	75	0	13.988	Fig.20
38	16QAM	2612.5	38175	15	75	0	13.866	Fig.21
38	16QAM	2580	37850	20	100	0	18.635	Fig.22
38	16QAM	2595	38000	20	100	0	18.447	Fig.23
38	16QAM	2610	38150	20	100	0	18.590	Fig.24

Test Mode: QPSK

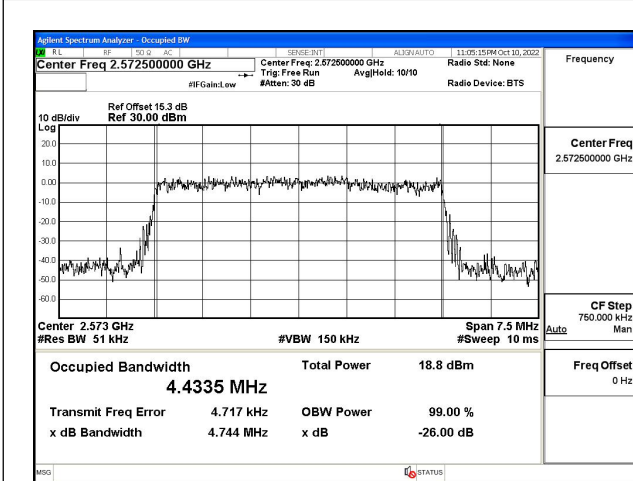


Fig.1

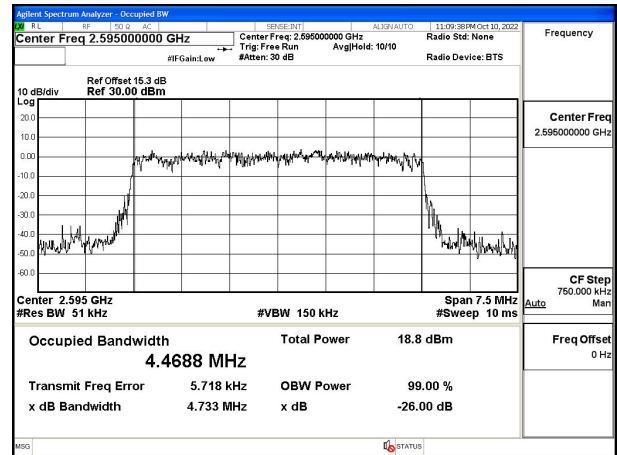


Fig.2

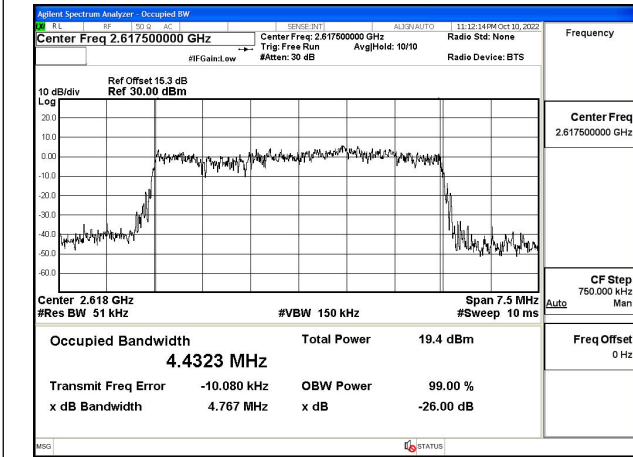


Fig.3

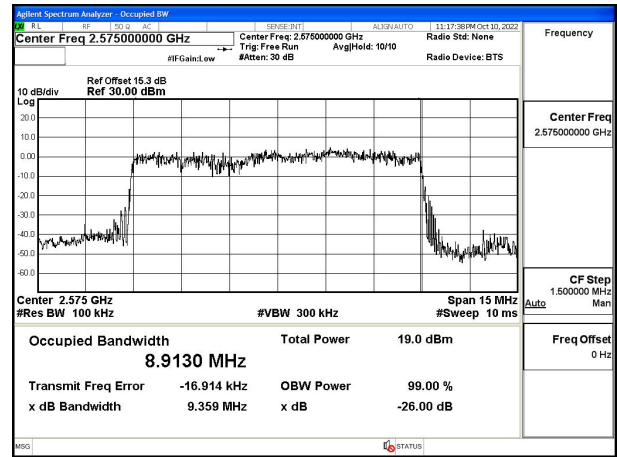


Fig.4

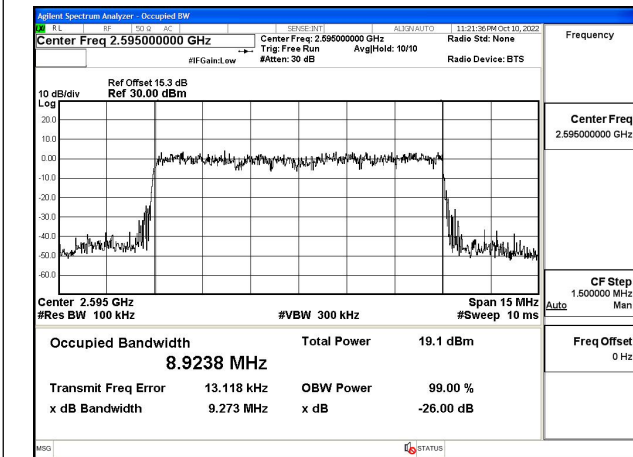


Fig.5

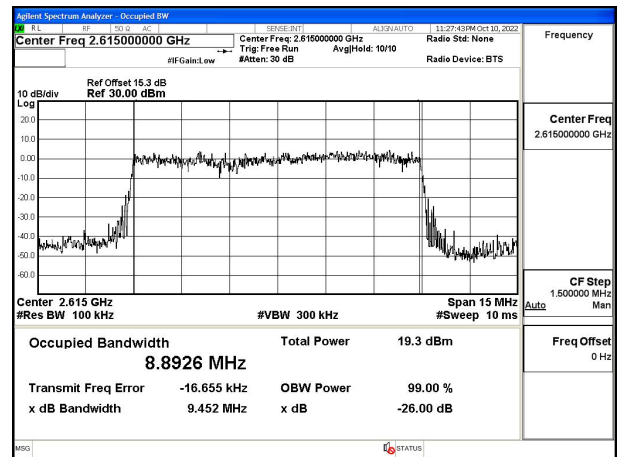


Fig.6

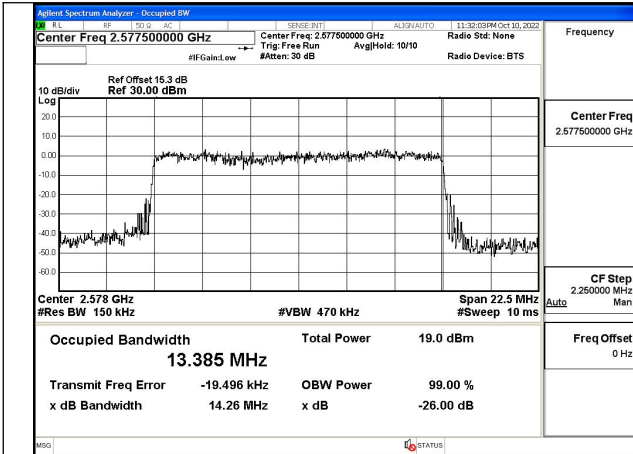


Fig.7

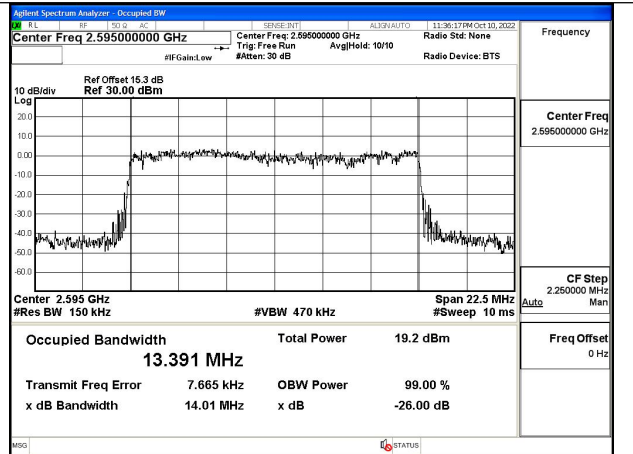


Fig.8

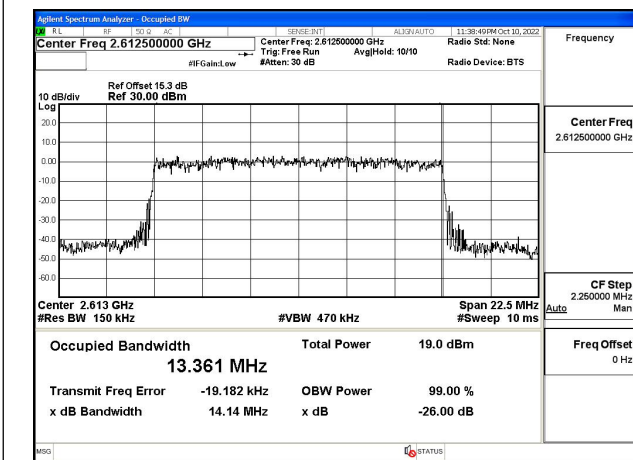


Fig.9

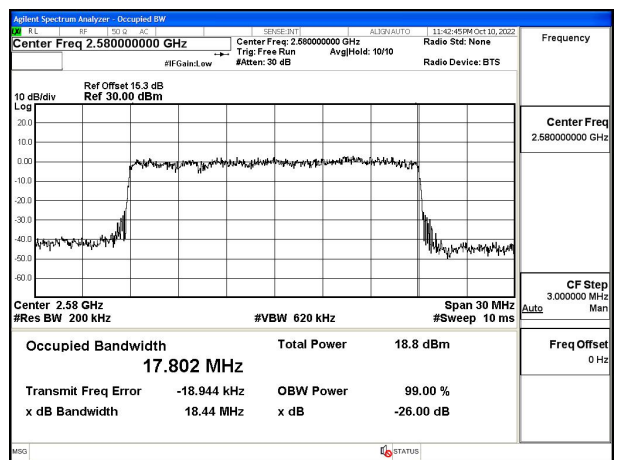


Fig.10

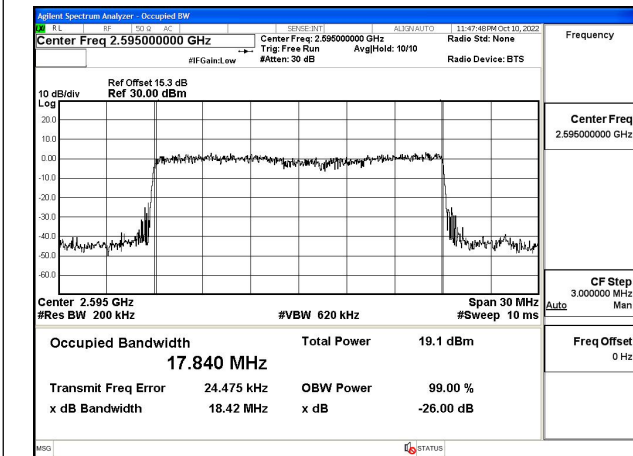


Fig.11

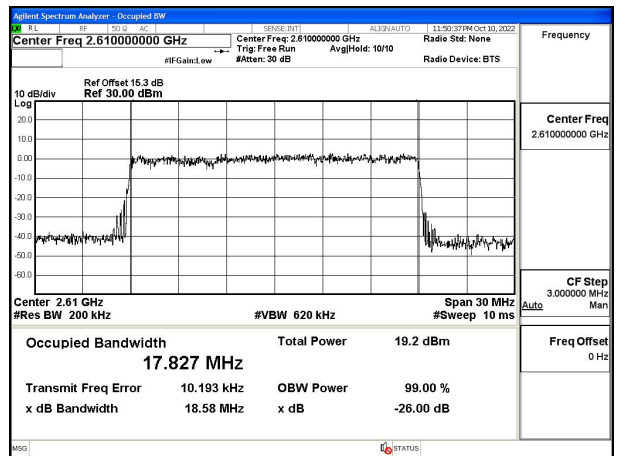


Fig.12

Test Mode: 16QAM

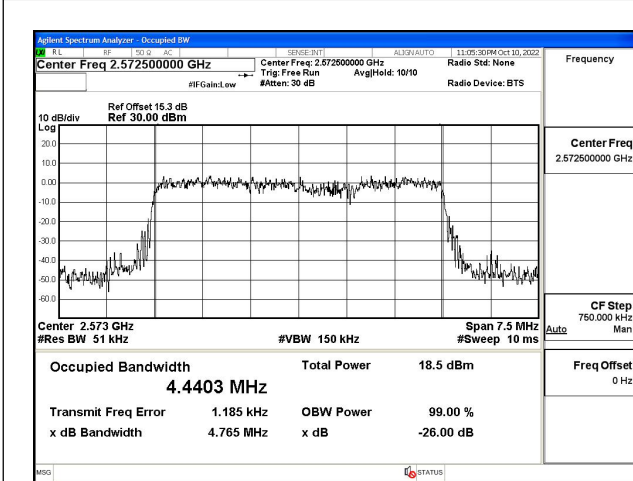


Fig.13

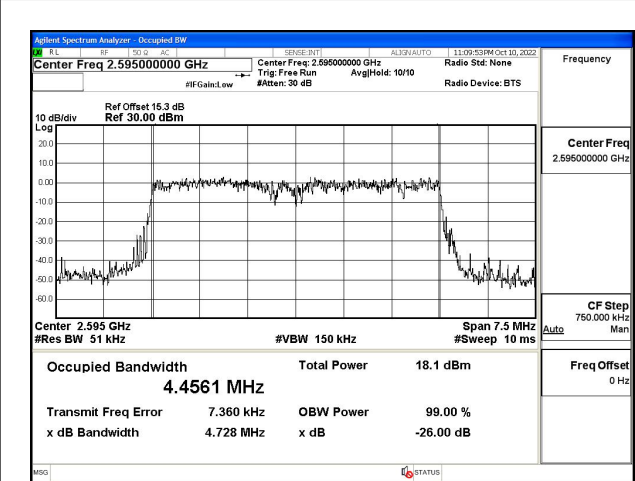


Fig.14

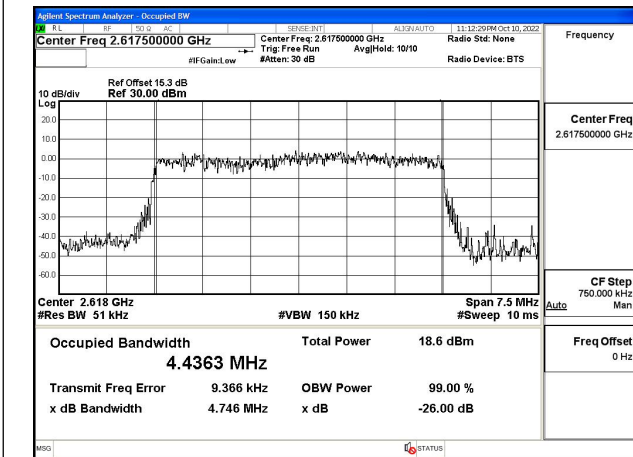


Fig.15

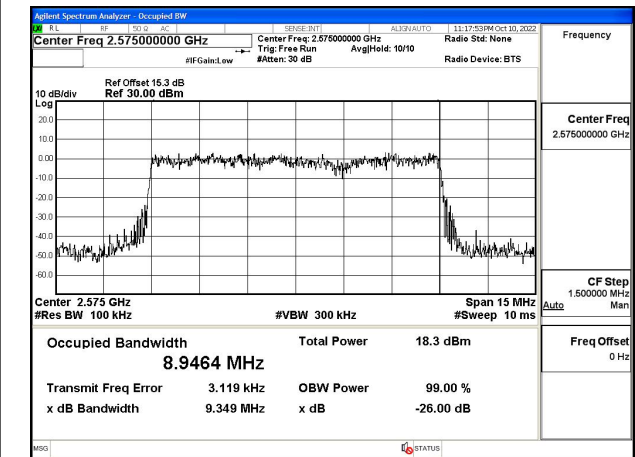


Fig.16

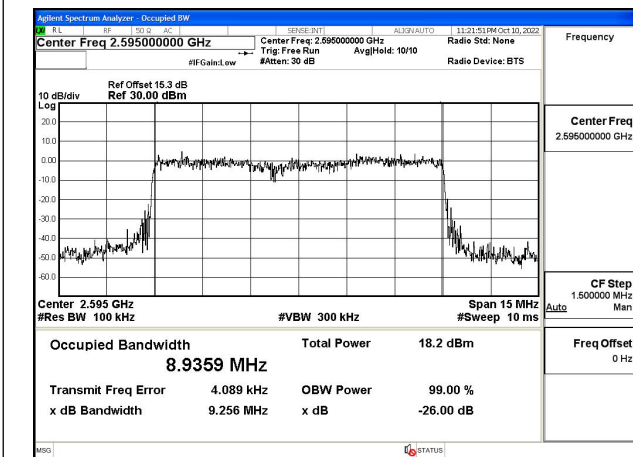


Fig.17

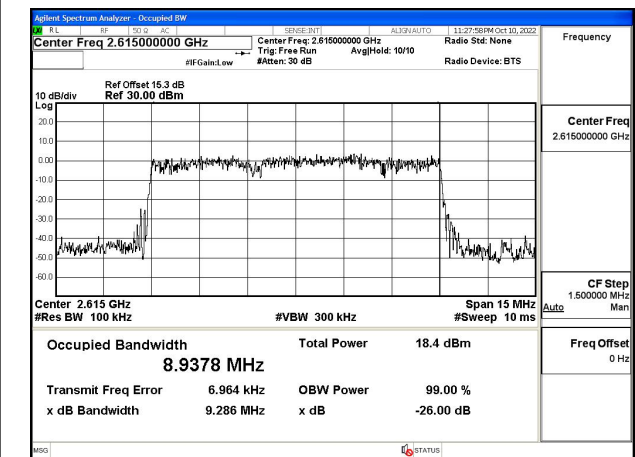


Fig.18

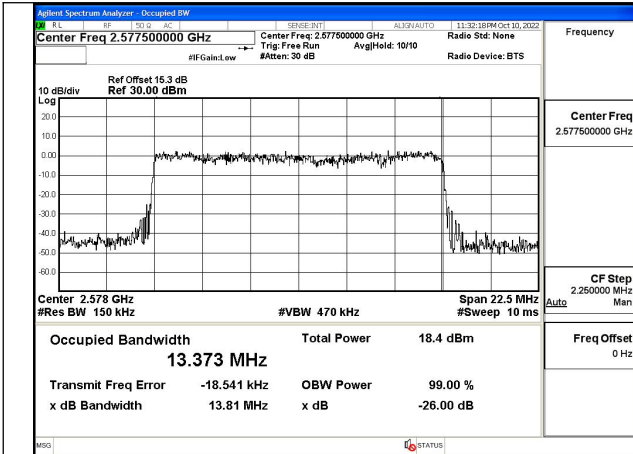


Fig.19

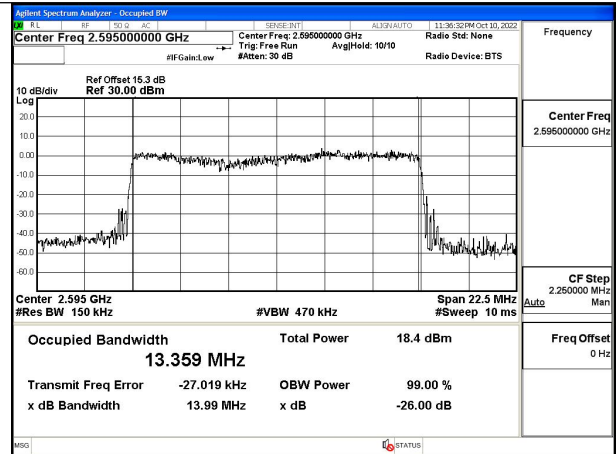


Fig.20

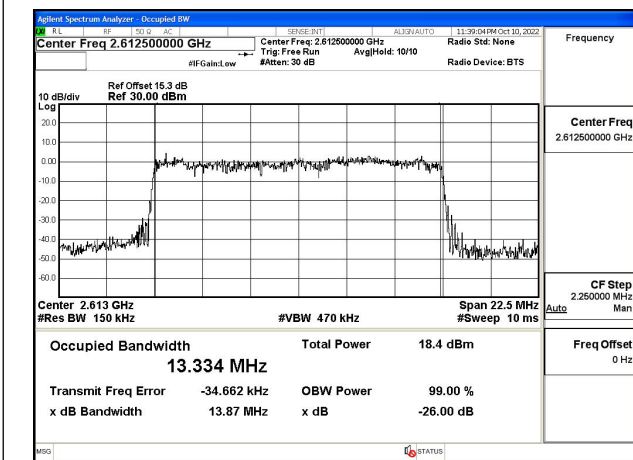


Fig.21

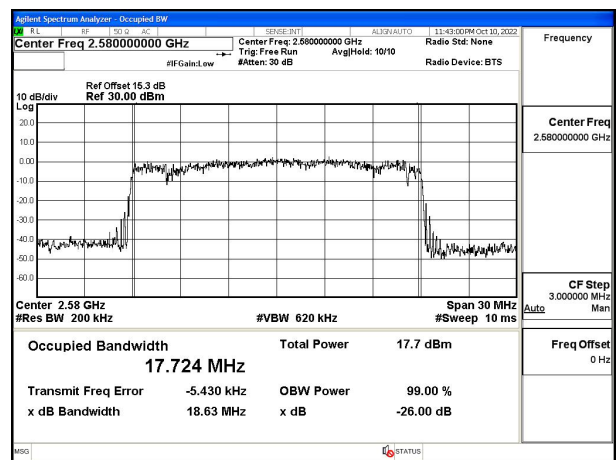


Fig.22

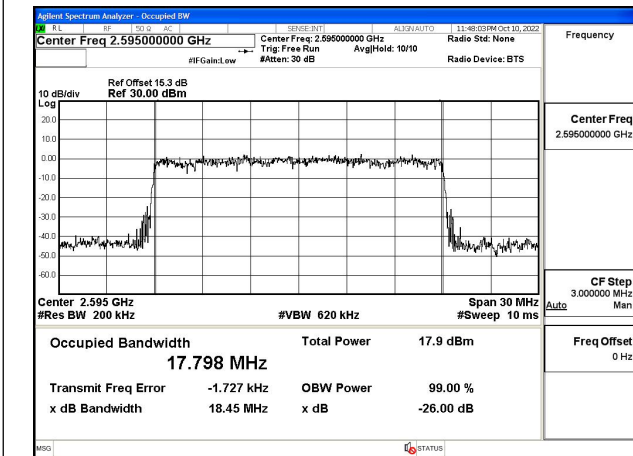


Fig.23

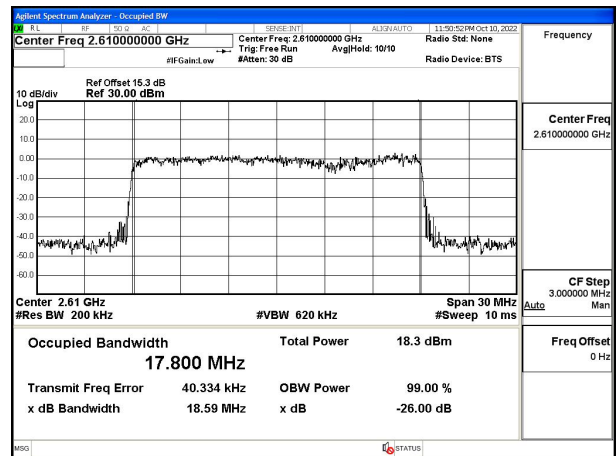


Fig.24

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
38	2572.5	37775	5	1	24	Fig.1	Fig.2	---
38	2572.5	37775	5	25	0	Fig.3	Fig.4	---
38	2595	38000	5	1	24	Fig.5	Fig.6	---
38	2595	38000	5	25	0	Fig.7	Fig.8	---
38	2617.5	38225	5	1	24	Fig.9	Fig.10	---
38	2617.5	38225	5	25	0	Fig.11	Fig.12	---
38	2575	37800	10	1	49	Fig.13	Fig.14	---
38	2575	37800	10	50	0	Fig.15	Fig.16	---
38	2595	38000	10	1	49	Fig.17	Fig.18	---
38	2595	38000	10	50	0	Fig.19	Fig.20	---
38	2615	38200	10	1	49	Fig.21	Fig.22	---
38	2615	38200	10	50	0	Fig.23	Fig.24	---
38	2577.5	37825	15	1	74	Fig.25	Fig.26	---
38	2577.5	37825	15	75	0	Fig.27	Fig.28	---
38	2595	38000	15	1	74	Fig.29	Fig.30	---
38	2595	38000	15	75	0	Fig.31	Fig.32	---
38	2612.5	38175	15	1	74	Fig.33	Fig.34	---
38	2612.5	38175	15	75	0	Fig.35	Fig.36	---
38	2580	37850	20	1	99	Fig.37	Fig.38	---
38	2580	37850	20	100	0	Fig.39	Fig.40	---
38	2595	38000	20	1	99	Fig.41	Fig.42	---
38	2595	38000	20	100	0	Fig.43	Fig.44	---
38	2610	38150	20	1	99	Fig.45	Fig.46	---
38	2610	38150	20	100	0	Fig.47	Fig.48	---

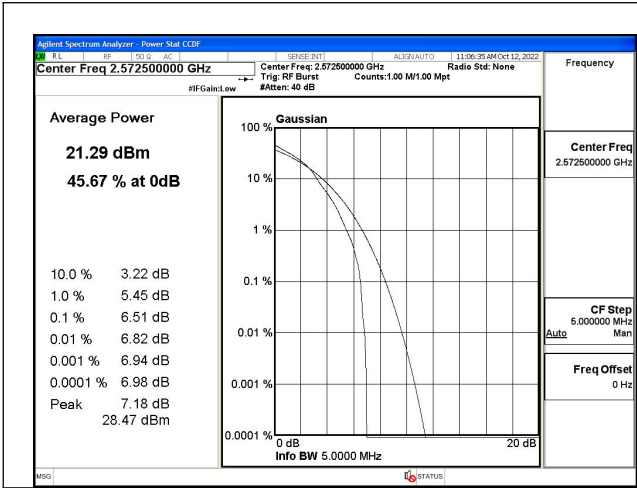


Fig.1

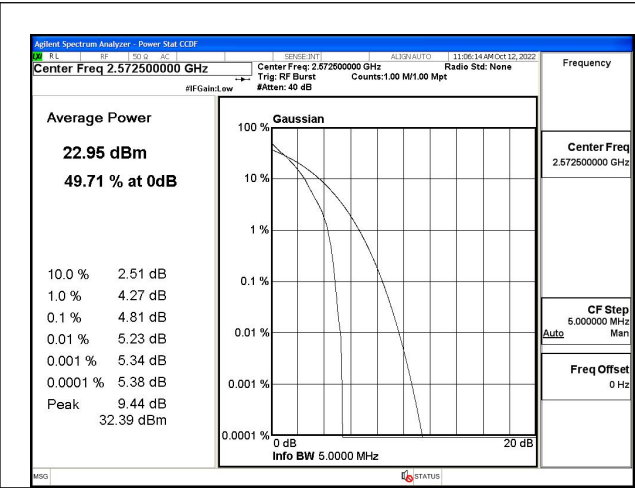


Fig.2

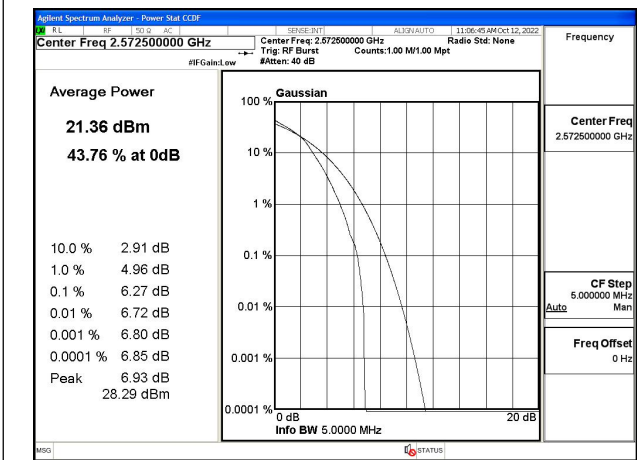


Fig.3

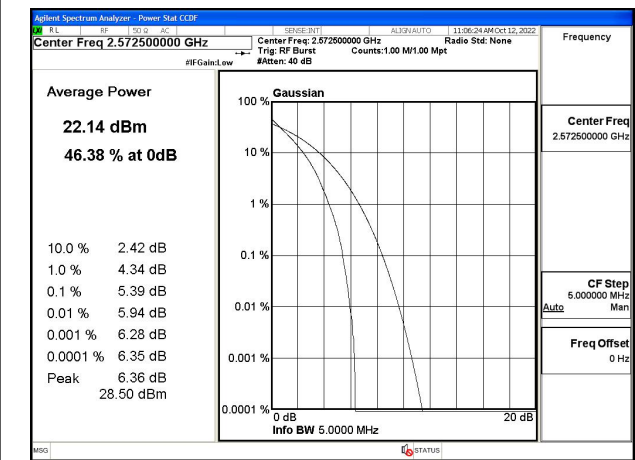


Fig.4

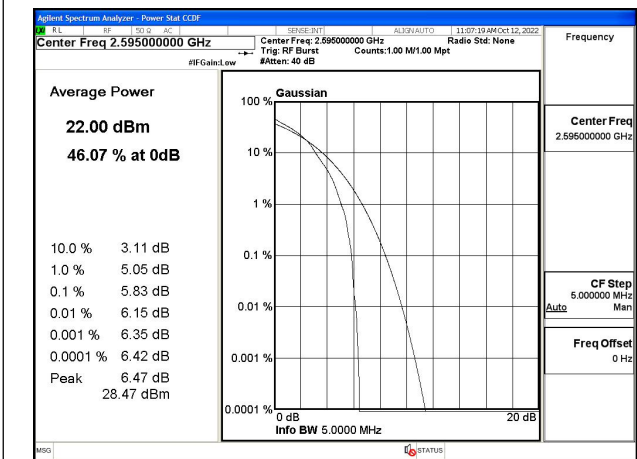


Fig.5

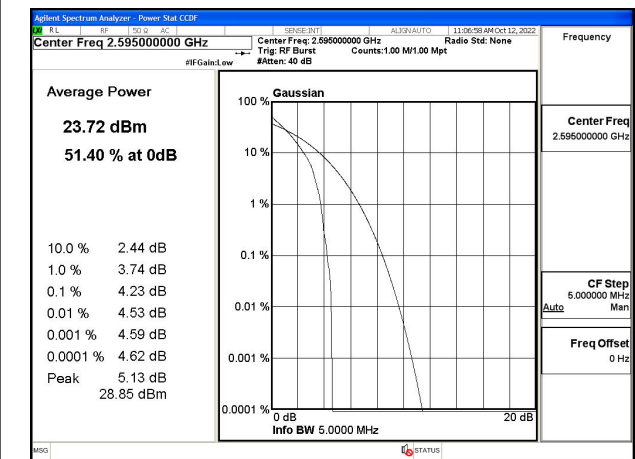


Fig.6

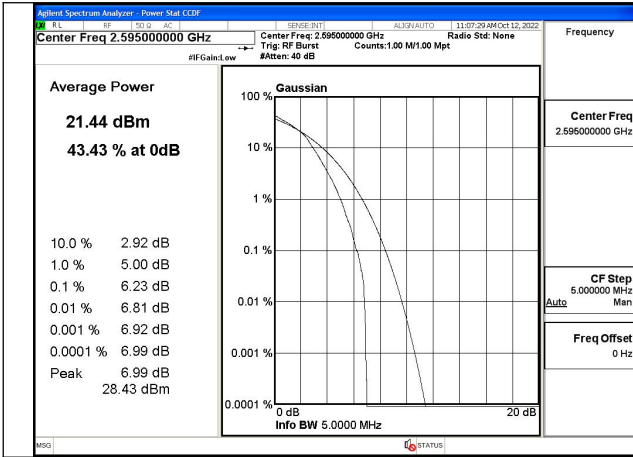


Fig.7

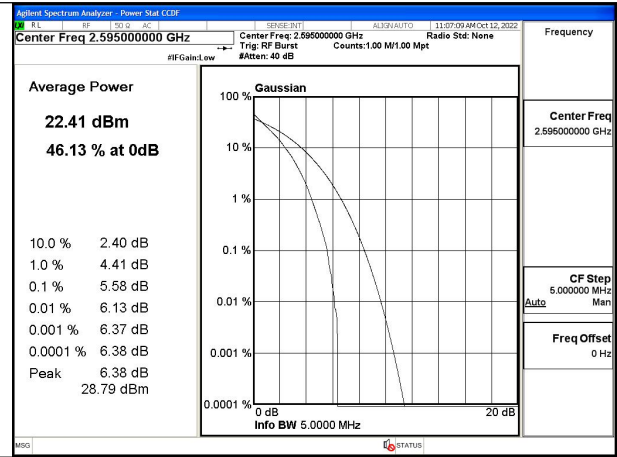


Fig.8

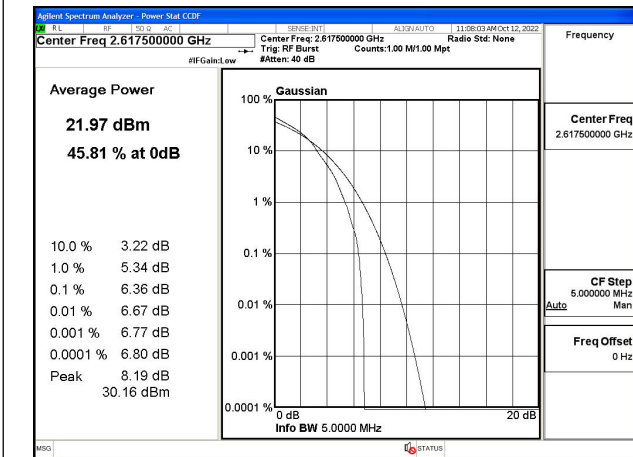


Fig.9

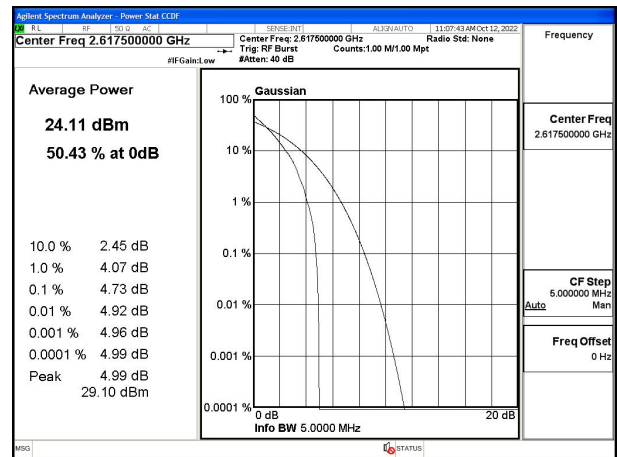


Fig.10

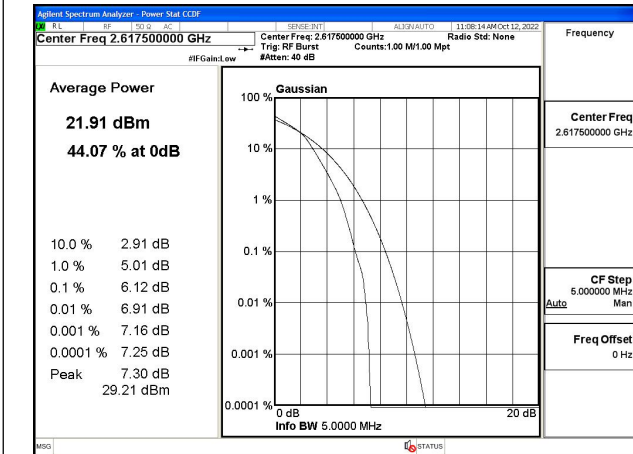


Fig.11

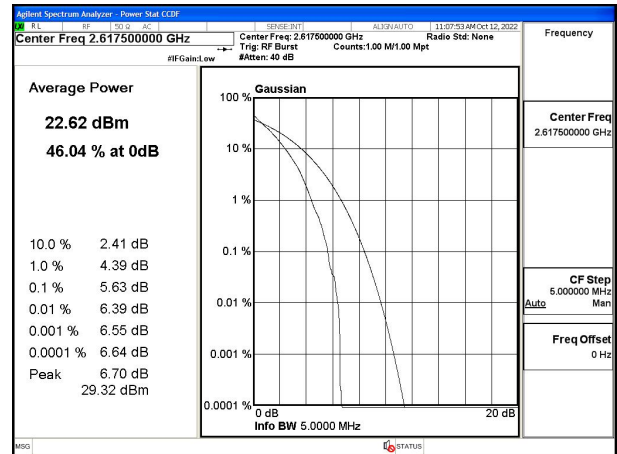


Fig.12