

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2502.5	20775	5	1	0	22.87
QPSK	2502.5	20775	5	1	12	22.97
QPSK	2502.5	20775	5	1	24	22.88
QPSK	2502.5	20775	5	12	0	21.93
QPSK	2502.5	20775	5	12	7	21.92
QPSK	2502.5	20775	5	12	13	21.83
QPSK	2502.5	20775	5	25	0	21.90
QPSK	2535	21100	5	1	0	23.19
QPSK	2535	21100	5	1	12	23.12
QPSK	2535	21100	5	1	24	22.97
QPSK	2535	21100	5	12	0	22.07
QPSK	2535	21100	5	12	7	22.04
QPSK	2535	21100	5	12	13	22.15
QPSK	2535	21100	5	25	0	22.01
QPSK	2567.5	21425	5	1	0	22.80
QPSK	2567.5	21425	5	1	12	22.99
QPSK	2567.5	21425	5	1	24	23.01
QPSK	2567.5	21425	5	12	0	22.08
QPSK	2567.5	21425	5	12	7	21.99
QPSK	2567.5	21425	5	12	13	22.05
QPSK	2567.5	21425	5	25	0	21.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	21.93
16QAM	2502.5	20775	5	1	12	22.51
16QAM	2502.5	20775	5	1	24	22.27
16QAM	2502.5	20775	5	12	0	20.85
16QAM	2502.5	20775	5	12	7	20.95
16QAM	2502.5	20775	5	12	13	20.96
16QAM	2502.5	20775	5	25	0	20.82
16QAM	2535	21100	5	1	0	22.42
16QAM	2535	21100	5	1	12	22.06
16QAM	2535	21100	5	1	24	22.55
16QAM	2535	21100	5	12	0	21.03
16QAM	2535	21100	5	12	7	21.09
16QAM	2535	21100	5	12	13	21.18
16QAM	2535	21100	5	25	0	21.08
16QAM	2567.5	21425	5	1	0	22.15
16QAM	2567.5	21425	5	1	12	22.09
16QAM	2567.5	21425	5	1	24	21.92

16QAM	2567.5	21425	5	12	0	21.05
16QAM	2567.5	21425	5	12	7	21.01
16QAM	2567.5	21425	5	12	13	21.03
16QAM	2567.5	21425	5	25	0	21.09
64QAM	2502.5	20775	5	1	0	21.84
64QAM	2502.5	20775	5	1	12	21.94
64QAM	2502.5	20775	5	1	24	21.93
64QAM	2502.5	20775	5	12	0	21.02
64QAM	2502.5	20775	5	12	7	20.95
64QAM	2502.5	20775	5	12	13	20.86
64QAM	2502.5	20775	5	25	0	20.94
64QAM	2535	21100	5	1	0	22.20
64QAM	2535	21100	5	1	12	21.91
64QAM	2535	21100	5	1	24	22.14
64QAM	2535	21100	5	12	0	21.03
64QAM	2535	21100	5	12	7	21.07
64QAM	2535	21100	5	12	13	21.00
64QAM	2535	21100	5	25	0	20.90
64QAM	2567.5	21425	5	1	0	22.30
64QAM	2567.5	21425	5	1	12	21.93
64QAM	2567.5	21425	5	1	24	22.05
64QAM	2567.5	21425	5	12	0	21.13
64QAM	2567.5	21425	5	12	7	21.14
64QAM	2567.5	21425	5	12	13	21.16
64QAM	2567.5	21425	5	25	0	21.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	22.87
QPSK	2505	20800	10	1	25	22.87
QPSK	2505	20800	10	1	49	22.83
QPSK	2505	20800	10	25	0	21.97
QPSK	2505	20800	10	25	12	21.93
QPSK	2505	20800	10	25	25	21.89
QPSK	2505	20800	10	50	0	21.88
QPSK	2535	21100	10	1	0	23.21
QPSK	2535	21100	10	1	25	23.00
QPSK	2535	21100	10	1	49	22.97
QPSK	2535	21100	10	25	0	22.04
QPSK	2535	21100	10	25	12	22.04
QPSK	2535	21100	10	25	25	22.08
QPSK	2535	21100	10	50	0	22.06
QPSK	2565	21400	10	1	0	22.95
QPSK	2565	21400	10	1	25	22.87
QPSK	2565	21400	10	1	49	22.83
QPSK	2565	21400	10	25	0	21.86

QPSK	2565	21400	10	25	12	21.88
QPSK	2565	21400	10	25	25	22.01
QPSK	2565	21400	10	50	0	21.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.31
16QAM	2505	20800	10	1	25	22.04
16QAM	2505	20800	10	1	49	21.93
16QAM	2505	20800	10	25	0	20.85
16QAM	2505	20800	10	25	12	20.93
16QAM	2505	20800	10	25	25	20.87
16QAM	2505	20800	10	50	0	20.87
16QAM	2535	21100	10	1	0	22.64
16QAM	2535	21100	10	1	25	22.48
16QAM	2535	21100	10	1	49	22.24
16QAM	2535	21100	10	25	0	21.13
16QAM	2535	21100	10	25	12	21.08
16QAM	2535	21100	10	25	25	21.08
16QAM	2535	21100	10	50	0	20.99
16QAM	2565	21400	10	1	0	22.76
16QAM	2565	21400	10	1	25	22.31
16QAM	2565	21400	10	1	49	22.25
16QAM	2565	21400	10	25	0	20.79
16QAM	2565	21400	10	25	12	21.00
16QAM	2565	21400	10	25	25	21.16
16QAM	2565	21400	10	50	0	20.87
64QAM	2505	20800	10	1	0	22.54
64QAM	2505	20800	10	1	25	22.02
64QAM	2505	20800	10	1	49	21.87
64QAM	2505	20800	10	25	0	20.97
64QAM	2505	20800	10	25	12	20.88
64QAM	2505	20800	10	25	25	21.01
64QAM	2505	20800	10	50	0	20.93
64QAM	2535	21100	10	1	0	22.52
64QAM	2535	21100	10	1	25	22.26
64QAM	2535	21100	10	1	49	22.31
64QAM	2535	21100	10	25	0	21.02
64QAM	2535	21100	10	25	12	21.03
64QAM	2535	21100	10	25	25	21.13
64QAM	2535	21100	10	50	0	21.05
64QAM	2565	21400	10	1	0	22.11
64QAM	2565	21400	10	1	25	21.92
64QAM	2565	21400	10	1	49	22.28
64QAM	2565	21400	10	25	0	20.88
64QAM	2565	21400	10	25	12	20.93

64QAM	2565	21400	10	25	25	21.11
64QAM	2565	21400	10	50	0	20.98

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	22.77
QPSK	2507.5	20825	15	1	37	22.89
QPSK	2507.5	20825	15	1	74	22.80
QPSK	2507.5	20825	15	36	0	21.76
QPSK	2507.5	20825	15	36	29	21.83
QPSK	2507.5	20825	15	36	30	21.73
QPSK	2507.5	20825	15	75	0	21.74
QPSK	2535	21100	15	1	0	23.05
QPSK	2535	21100	15	1	37	22.91
QPSK	2535	21100	15	1	74	22.85
QPSK	2535	21100	15	36	0	21.90
QPSK	2535	21100	15	36	29	21.91
QPSK	2535	21100	15	36	30	21.90
QPSK	2535	21100	15	75	0	21.93
QPSK	2562.5	21375	15	1	0	22.61
QPSK	2562.5	21375	15	1	37	22.90
QPSK	2562.5	21375	15	1	74	22.79
QPSK	2562.5	21375	15	36	0	21.72
QPSK	2562.5	21375	15	36	29	21.85
QPSK	2562.5	21375	15	36	30	21.80
QPSK	2562.5	21375	15	75	0	21.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	22.12
16QAM	2507.5	20825	15	1	37	21.82
16QAM	2507.5	20825	15	1	74	21.70
16QAM	2507.5	20825	15	36	0	20.72
16QAM	2507.5	20825	15	36	29	20.82
16QAM	2507.5	20825	15	36	30	20.92
16QAM	2507.5	20825	15	75	0	20.81
16QAM	2535	21100	15	1	0	22.52
16QAM	2535	21100	15	1	37	22.21
16QAM	2535	21100	15	1	74	22.14
16QAM	2535	21100	15	36	0	20.97
16QAM	2535	21100	15	36	29	20.85
16QAM	2535	21100	15	36	30	20.90
16QAM	2535	21100	15	75	0	20.93
16QAM	2562.5	21375	15	1	0	21.90
16QAM	2562.5	21375	15	1	37	22.34
16QAM	2562.5	21375	15	1	74	21.76
16QAM	2562.5	21375	15	36	0	20.89
16QAM	2562.5	21375	15	36	29	20.88

16QAM	2562.5	21375	15	36	30	20.88
16QAM	2562.5	21375	15	75	0	20.77
64QAM	2507.5	20825	15	1	0	21.63
64QAM	2507.5	20825	15	1	37	22.14
64QAM	2507.5	20825	15	1	74	21.90
64QAM	2507.5	20825	15	36	0	20.69
64QAM	2507.5	20825	15	36	29	20.89
64QAM	2507.5	20825	15	36	30	20.73
64QAM	2507.5	20825	15	75	0	20.73
64QAM	2535	21100	15	1	0	22.21
64QAM	2535	21100	15	1	37	22.29
64QAM	2535	21100	15	1	74	21.94
64QAM	2535	21100	15	36	0	21.05
64QAM	2535	21100	15	36	29	20.87
64QAM	2535	21100	15	36	30	20.82
64QAM	2535	21100	15	75	0	20.82
64QAM	2562.5	21375	15	1	0	21.70
64QAM	2562.5	21375	15	1	37	22.16
64QAM	2562.5	21375	15	1	74	21.63
64QAM	2562.5	21375	15	36	0	20.68
64QAM	2562.5	21375	15	36	29	20.89
64QAM	2562.5	21375	15	36	30	20.87
64QAM	2562.5	21375	15	75	0	20.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	22.71
QPSK	2510	20850	20	1	49	23.08
QPSK	2510	20850	20	1	99	22.74
QPSK	2510	20850	20	50	0	21.81
QPSK	2510	20850	20	50	24	21.91
QPSK	2510	20850	20	50	50	21.81
QPSK	2510	20850	20	100	0	21.88
QPSK	2535	21100	20	1	0	23.07
QPSK	2535	21100	20	1	49	22.94
QPSK	2535	21100	20	1	99	22.84
QPSK	2535	21100	20	50	0	22.01
QPSK	2535	21100	20	50	24	21.94
QPSK	2535	21100	20	50	50	21.97
QPSK	2535	21100	20	100	0	21.91
QPSK	2560	21350	20	1	0	22.69
QPSK	2560	21350	20	1	49	23.07
QPSK	2560	21350	20	1	99	22.70
QPSK	2560	21350	20	50	0	21.70
QPSK	2560	21350	20	50	24	21.83
QPSK	2560	21350	20	50	50	21.80

QPSK	2560	21350	20	100	0	21.82
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	21.47
16QAM	2510	20850	20	1	49	21.93
16QAM	2510	20850	20	1	99	22.19
16QAM	2510	20850	20	50	0	20.75
16QAM	2510	20850	20	50	24	20.82
16QAM	2510	20850	20	50	50	20.73
16QAM	2510	20850	20	100	0	20.79
16QAM	2535	21100	20	1	0	22.48
16QAM	2535	21100	20	1	49	22.12
16QAM	2535	21100	20	1	99	22.08
16QAM	2535	21100	20	50	0	20.96
16QAM	2535	21100	20	50	24	21.04
16QAM	2535	21100	20	50	50	20.92
16QAM	2535	21100	20	100	0	20.99
16QAM	2560	21350	20	1	0	21.78
16QAM	2560	21350	20	1	49	21.41
16QAM	2560	21350	20	1	99	22.38
16QAM	2560	21350	20	50	0	20.73
16QAM	2560	21350	20	50	24	20.84
16QAM	2560	21350	20	50	50	20.75
16QAM	2560	21350	20	100	0	20.81
64QAM	2510	20850	20	1	0	21.83
64QAM	2510	20850	20	1	49	21.83
64QAM	2510	20850	20	1	99	21.88
64QAM	2510	20850	20	50	0	20.73
64QAM	2510	20850	20	50	24	20.84
64QAM	2510	20850	20	50	50	20.86
64QAM	2510	20850	20	100	0	20.95
64QAM	2535	21100	20	1	0	22.18
64QAM	2535	21100	20	1	49	22.37
64QAM	2535	21100	20	1	99	21.54
64QAM	2535	21100	20	50	0	21.00
64QAM	2535	21100	20	50	24	20.86
64QAM	2535	21100	20	50	50	21.01
64QAM	2535	21100	20	100	0	20.93
64QAM	2560	21350	20	1	0	21.79
64QAM	2560	21350	20	1	49	21.57
64QAM	2560	21350	20	1	99	21.96
64QAM	2560	21350	20	50	0	20.76
64QAM	2560	21350	20	50	24	20.86
64QAM	2560	21350	20	50	50	20.88
64QAM	2560	21350	20	100	0	20.74

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
7	QPSK	2502.5	20775	5	25	0	4.450	Fig.1
7	QPSK	2535	21100	5	25	0	4.465	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.470	Fig.3
7	QPSK	2505	20800	10	50	0	8.879	Fig.4
7	QPSK	2535	21100	10	50	0	8.939	Fig.5
7	QPSK	2565	21400	10	50	0	8.913	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.388	Fig.7
7	QPSK	2535	21100	15	75	0	13.360	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.320	Fig.9
7	QPSK	2510	20850	20	100	0	17.819	Fig.10
7	QPSK	2535	21100	20	100	0	17.898	Fig.11
7	QPSK	2560	21350	20	100	0	17.871	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
7	16QAM	2502.5	20775	5	25	0	4.453	Fig.13
7	16QAM	2535	21100	5	25	0	4.471	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.456	Fig.15
7	16QAM	2505	20800	10	50	0	8.958	Fig.16
7	16QAM	2535	21100	10	50	0	8.907	Fig.17
7	16QAM	2565	21400	10	50	0	8.940	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.348	Fig.19
7	16QAM	2535	21100	15	75	0	13.397	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.365	Fig.21
7	16QAM	2510	20850	20	100	0	17.754	Fig.22
7	16QAM	2535	21100	20	100	0	17.832	Fig.23
7	16QAM	2560	21350	20	100	0	17.790	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
7	64QAM	2502.5	20775	5	25	0	4.452	Fig.25
7	64QAM	2535	21100	5	25	0	4.458	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.469	Fig.27
7	64QAM	2505	20800	10	50	0	8.934	Fig.28
7	64QAM	2535	21100	10	50	0	8.970	Fig.29
7	64QAM	2565	21400	10	50	0	8.955	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.359	Fig.31
7	64QAM	2535	21100	15	75	0	13.390	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.400	Fig.33
7	64QAM	2510	20850	20	100	0	17.787	Fig.34
7	64QAM	2535	21100	20	100	0	17.831	Fig.35
7	64QAM	2560	21350	20	100	0	17.749	Fig.36

Test Mode: QPSK

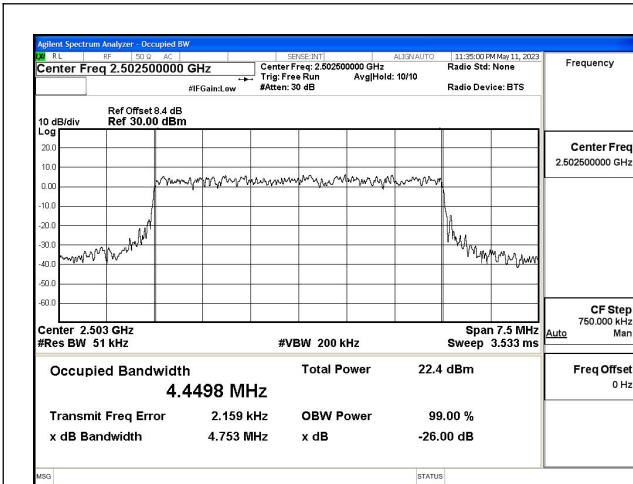


Fig.1

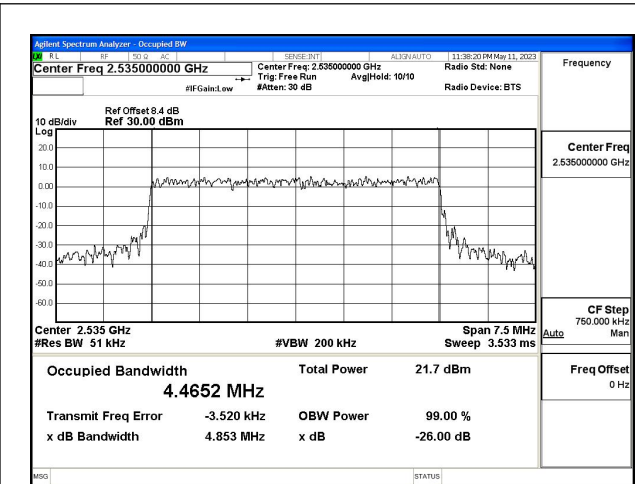


Fig.2

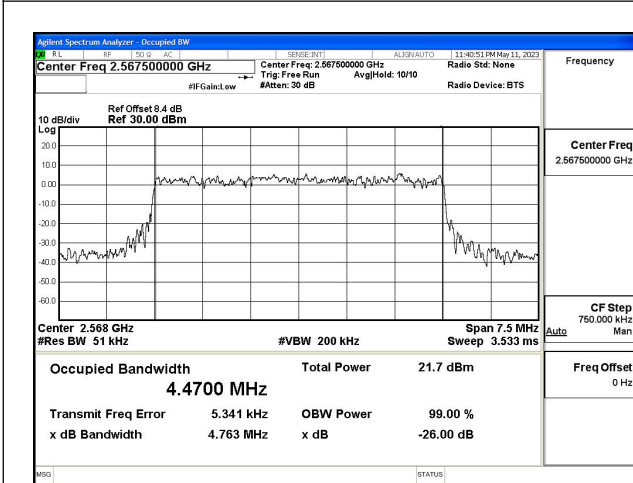


Fig.3

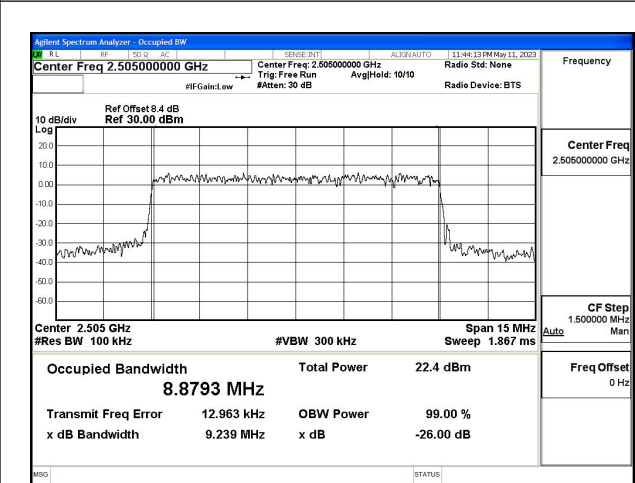


Fig.4

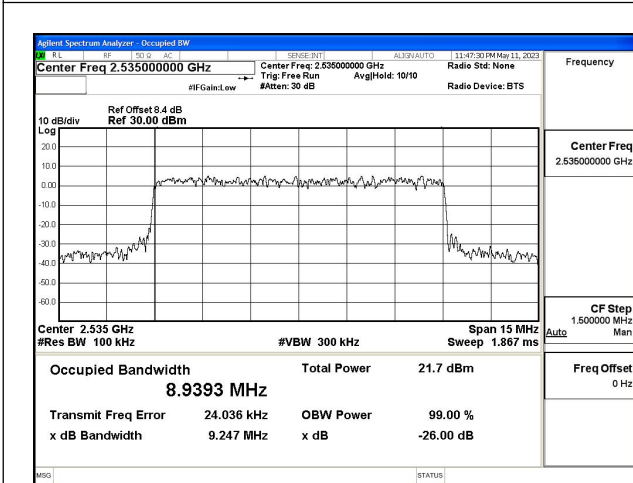


Fig.5

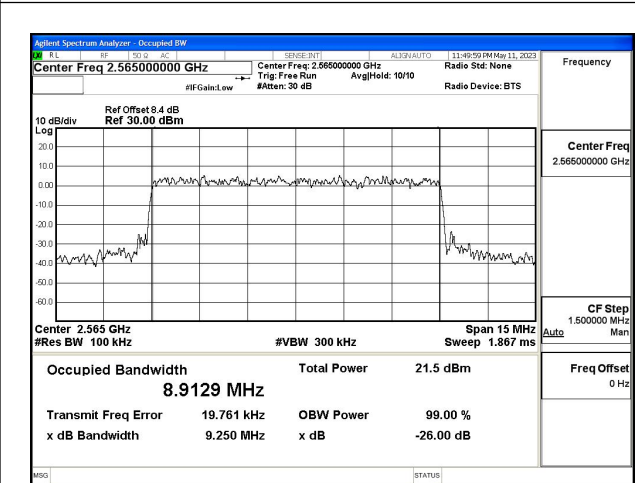


Fig.6

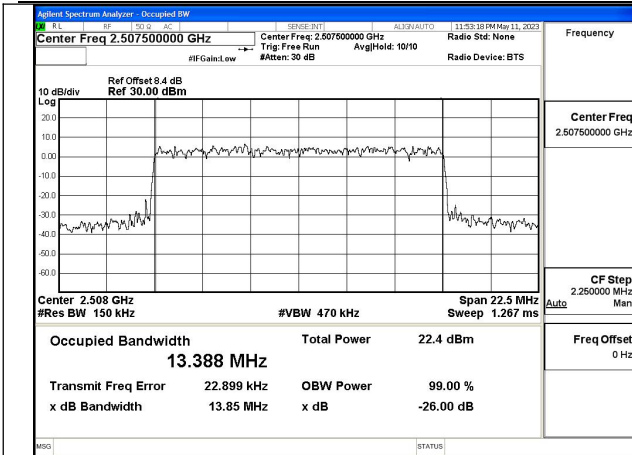


Fig.7

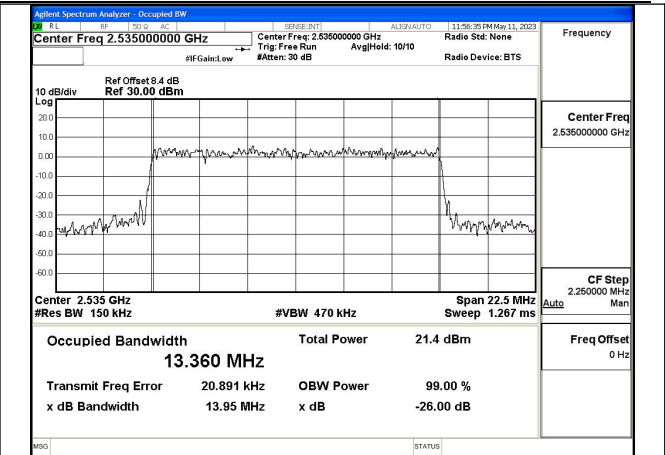


Fig.8

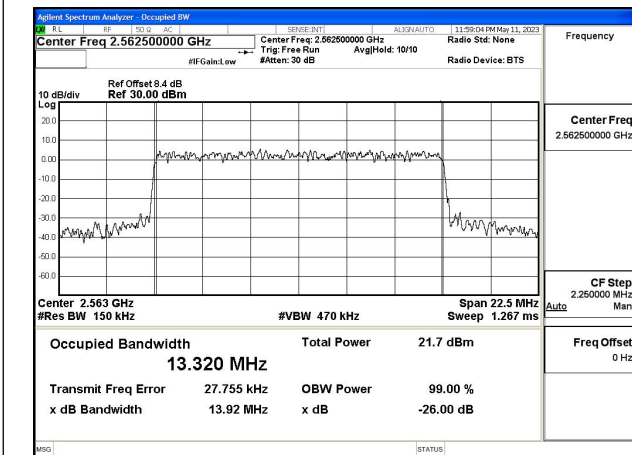


Fig.9

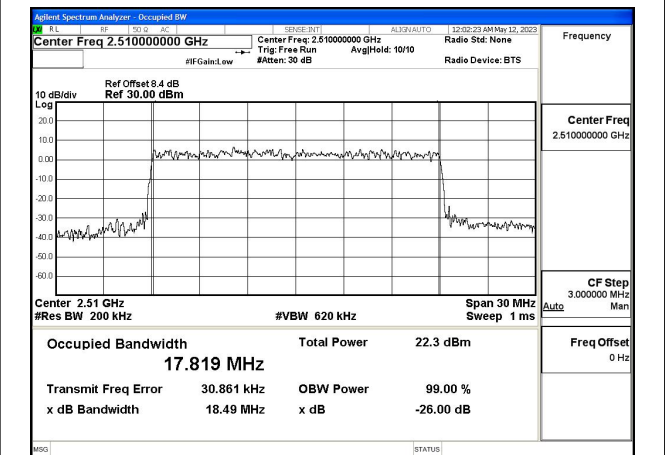


Fig.10

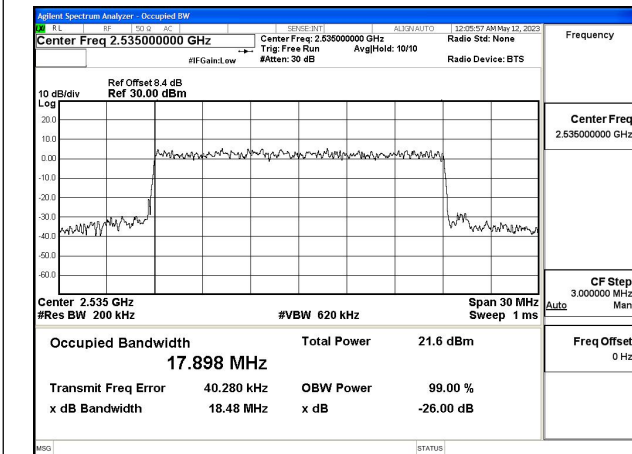


Fig.11

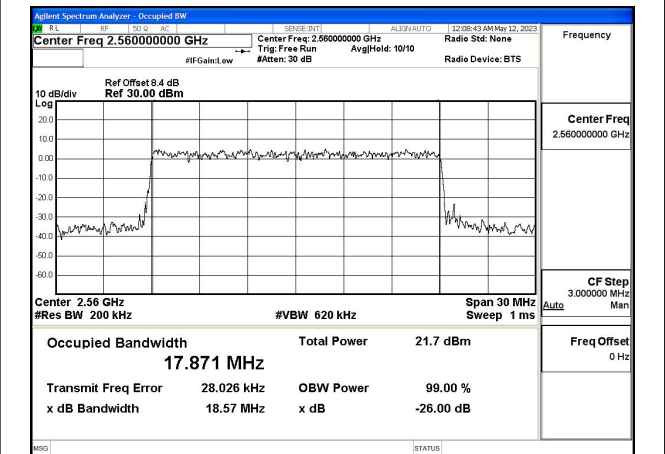


Fig.12

Test Mode: 16QAM

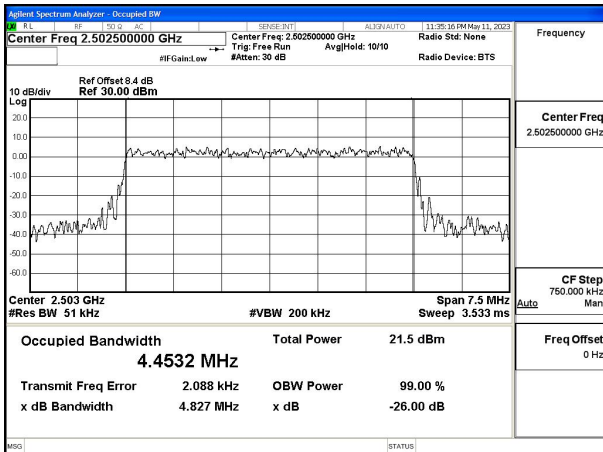


Fig.13

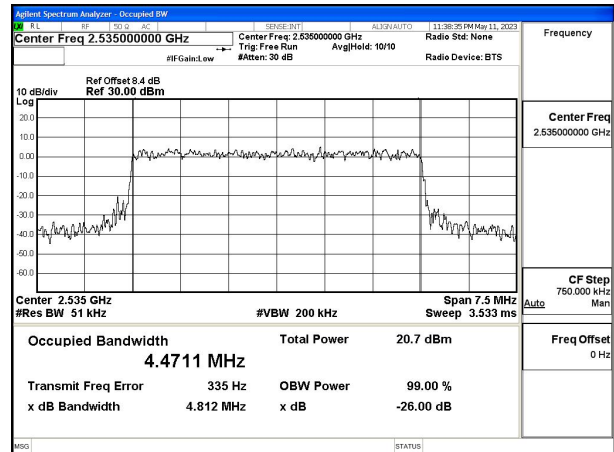


Fig.14

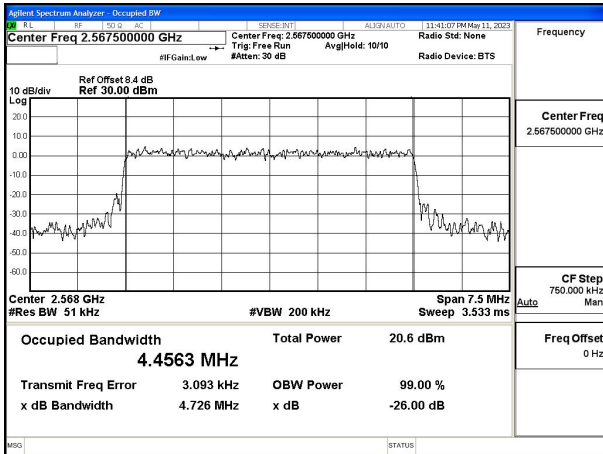


Fig.15

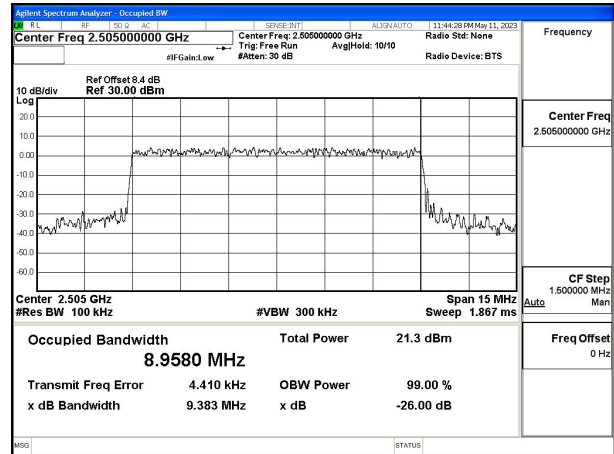


Fig.16

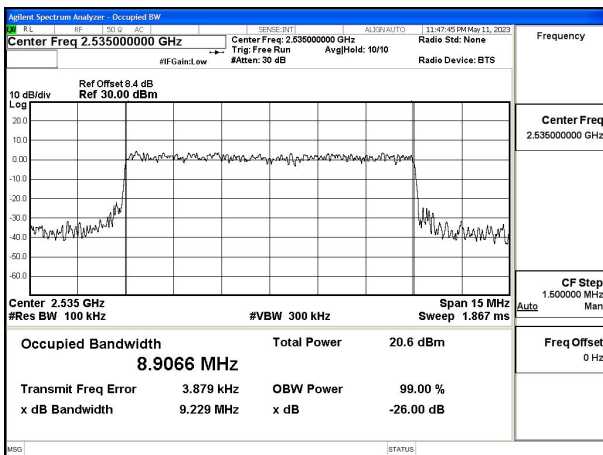


Fig.17

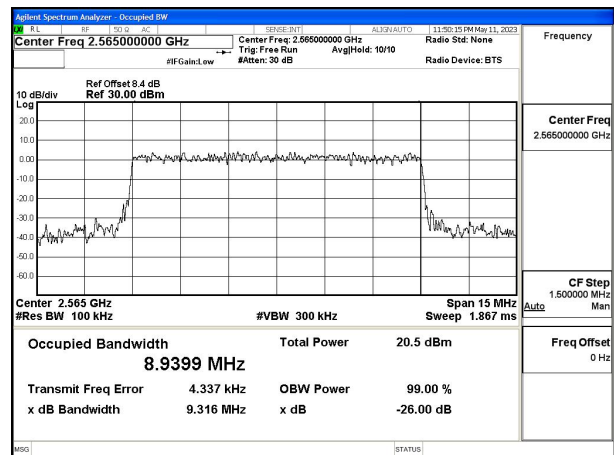


Fig.18

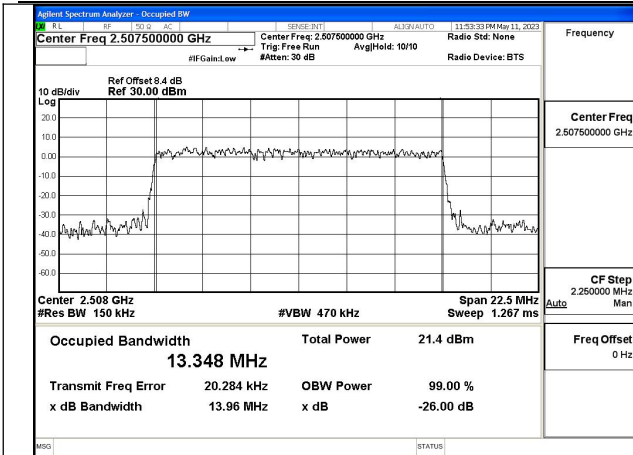


Fig.19

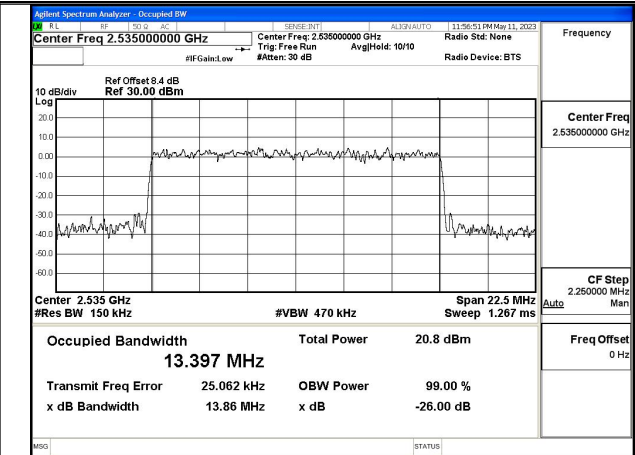


Fig.20

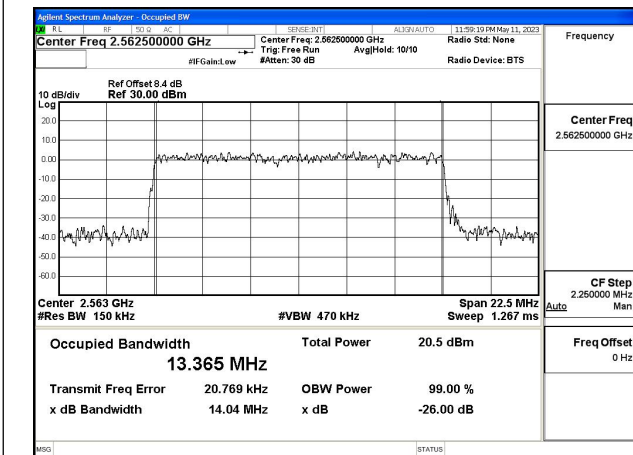


Fig.21

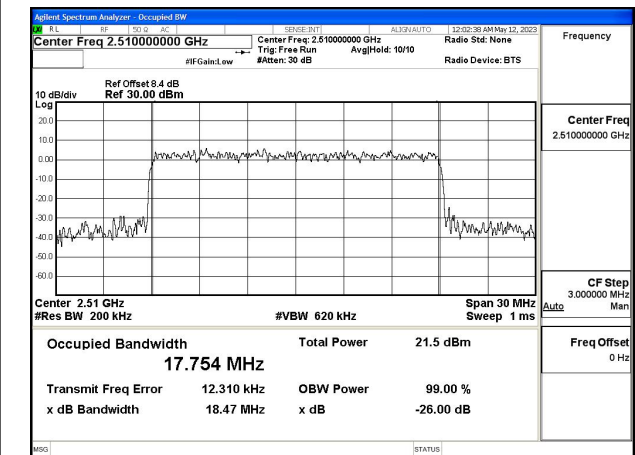


Fig.22

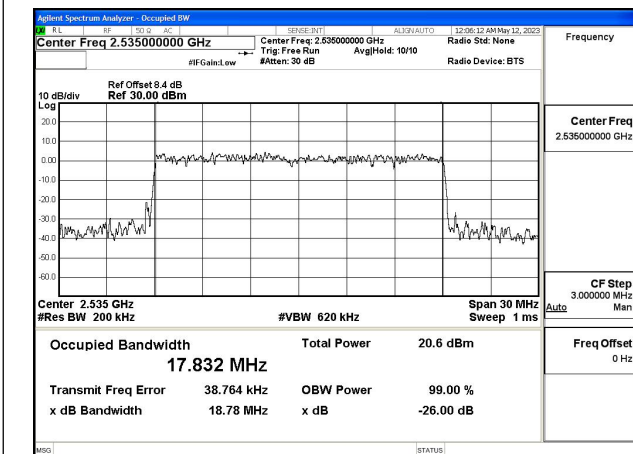


Fig.23

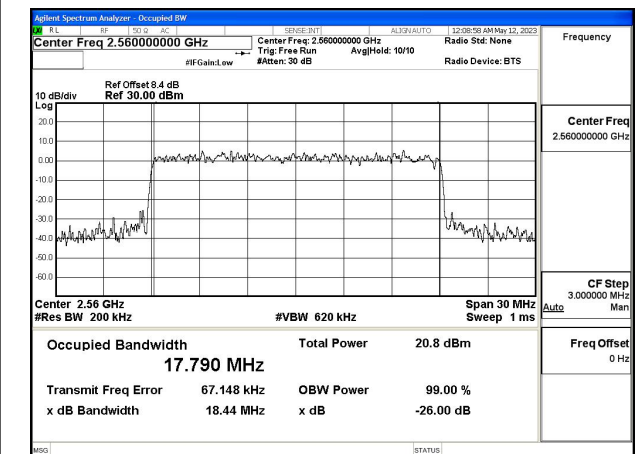


Fig.24

Test Mode: 64QAM

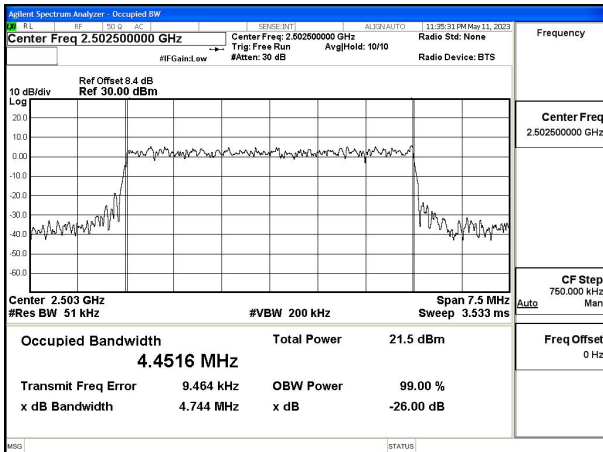


Fig.25

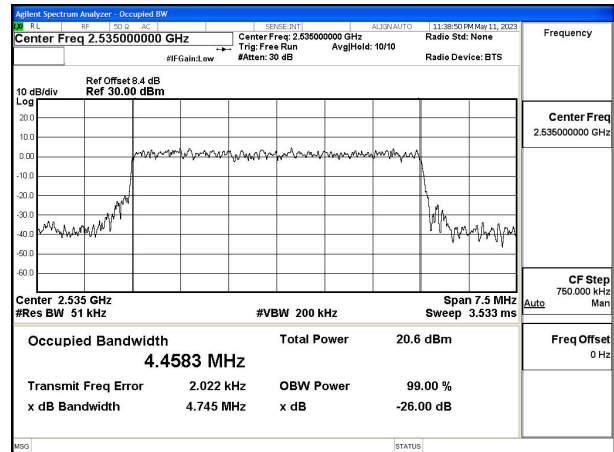


Fig.26

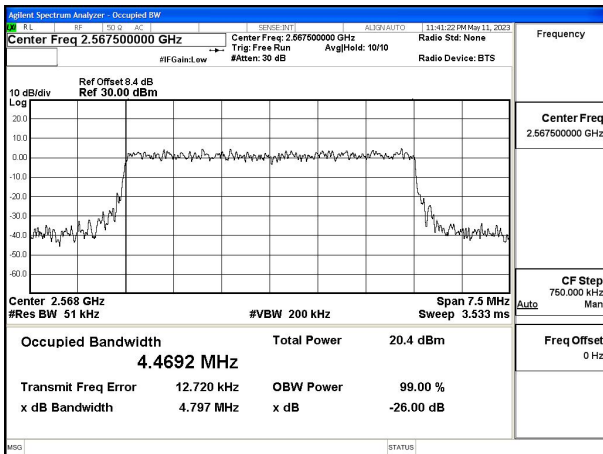


Fig.27

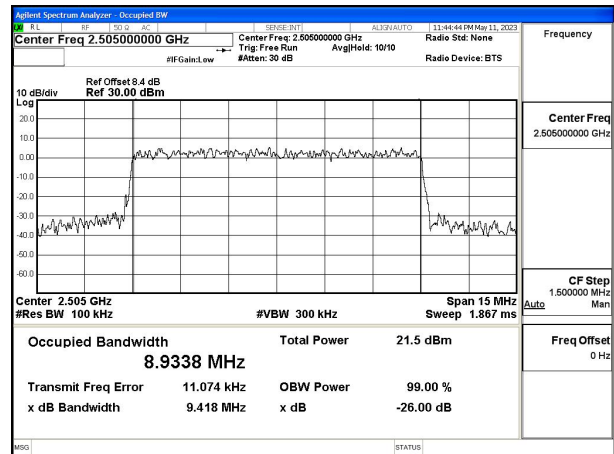


Fig.28

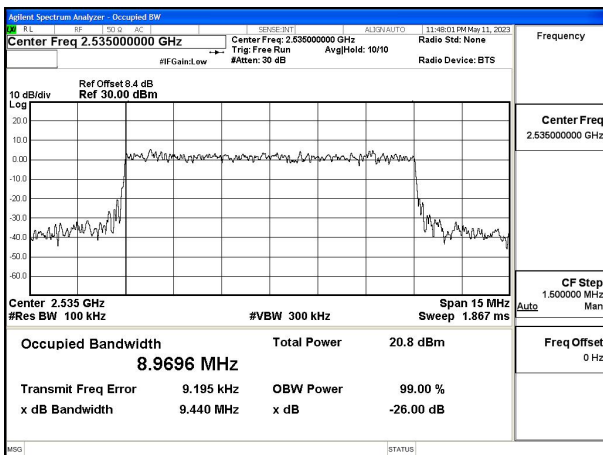


Fig.29

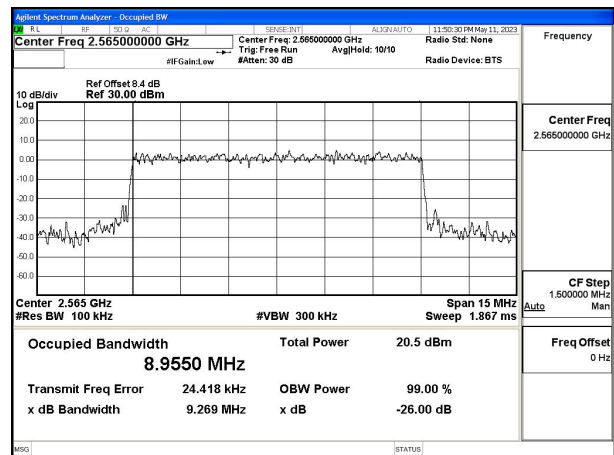


Fig.30

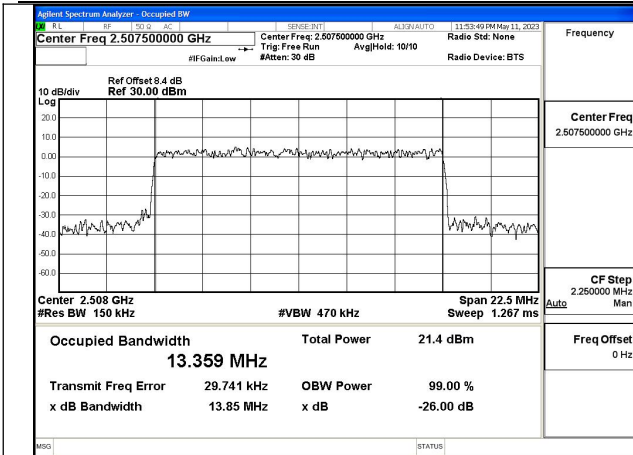


Fig.31

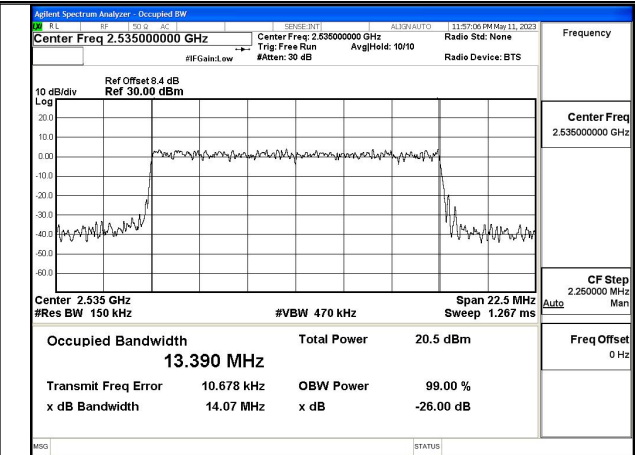


Fig.32

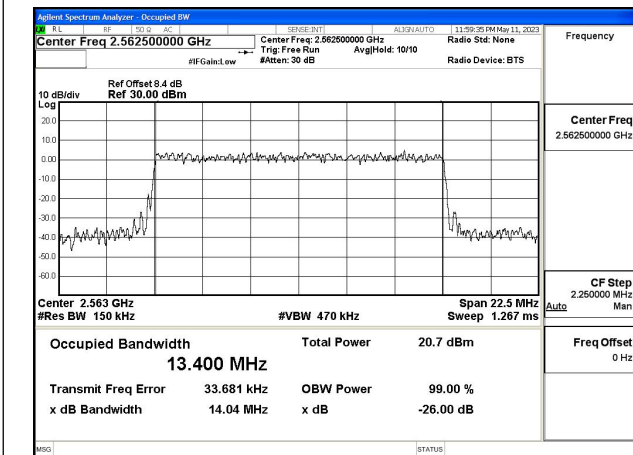


Fig.33

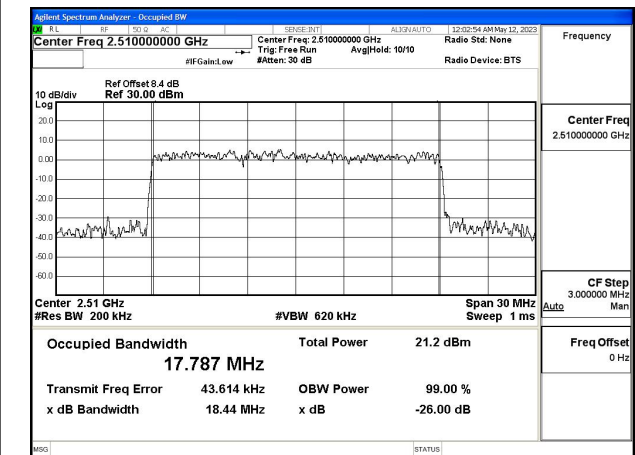


Fig.34

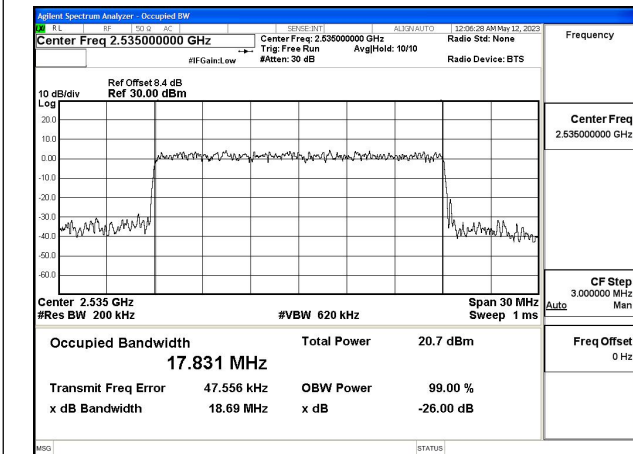


Fig.35

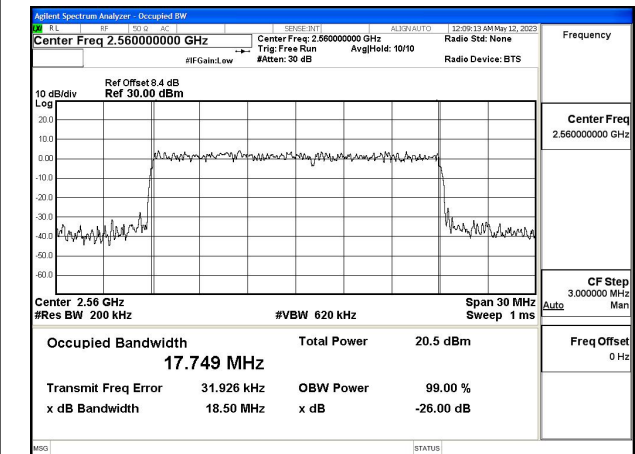


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
7	QPSK	2502.5	20775	5	25	0	4.753	Fig.1
7	QPSK	2535	21100	5	25	0	4.853	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.763	Fig.3
7	QPSK	2505	20800	10	50	0	9.239	Fig.4
7	QPSK	2535	21100	10	50	0	9.247	Fig.5
7	QPSK	2565	21400	10	50	0	9.250	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.850	Fig.7
7	QPSK	2535	21100	15	75	0	13.955	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.919	Fig.9
7	QPSK	2510	20850	20	100	0	18.488	Fig.10
7	QPSK	2535	21100	20	100	0	18.483	Fig.11
7	QPSK	2560	21350	20	100	0	18.567	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
7	16QAM	2502.5	20775	5	25	0	4.827	Fig.13
7	16QAM	2535	21100	5	25	0	4.812	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.726	Fig.15
7	16QAM	2505	20800	10	50	0	9.383	Fig.16
7	16QAM	2535	21100	10	50	0	9.229	Fig.17
7	16QAM	2565	21400	10	50	0	9.316	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.957	Fig.19
7	16QAM	2535	21100	15	75	0	13.860	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.041	Fig.21
7	16QAM	2510	20850	20	100	0	18.465	Fig.22
7	16QAM	2535	21100	20	100	0	18.779	Fig.23
7	16QAM	2560	21350	20	100	0	18.444	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
7	64QAM	2502.5	20775	5	25	0	4.744	Fig.25
7	64QAM	2535	21100	5	25	0	4.745	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.797	Fig.27
7	64QAM	2505	20800	10	50	0	9.418	Fig.28
7	64QAM	2535	21100	10	50	0	9.440	Fig.29
7	64QAM	2565	21400	10	50	0	9.269	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.852	Fig.31
7	64QAM	2535	21100	15	75	0	14.075	Fig.32
7	64QAM	2562.5	21375	15	75	0	14.040	Fig.33
7	64QAM	2510	20850	20	100	0	18.440	Fig.34
7	64QAM	2535	21100	20	100	0	18.690	Fig.35
7	64QAM	2560	21350	20	100	0	18.504	Fig.36

Test Mode: QPSK

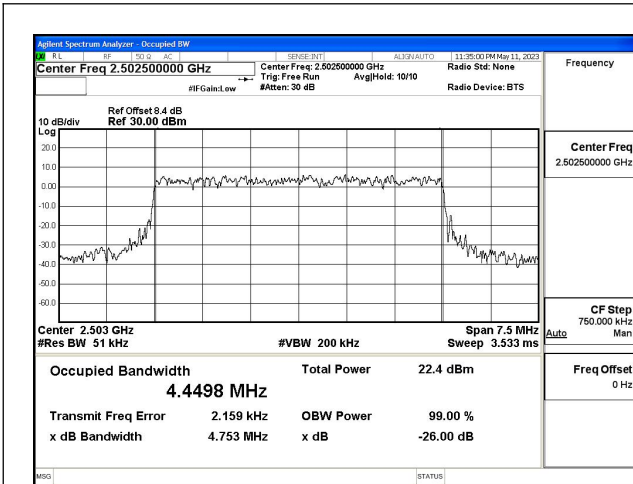


Fig.1

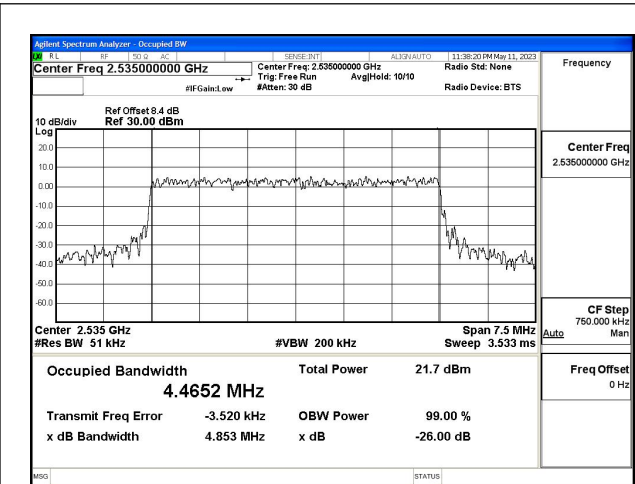


Fig.2

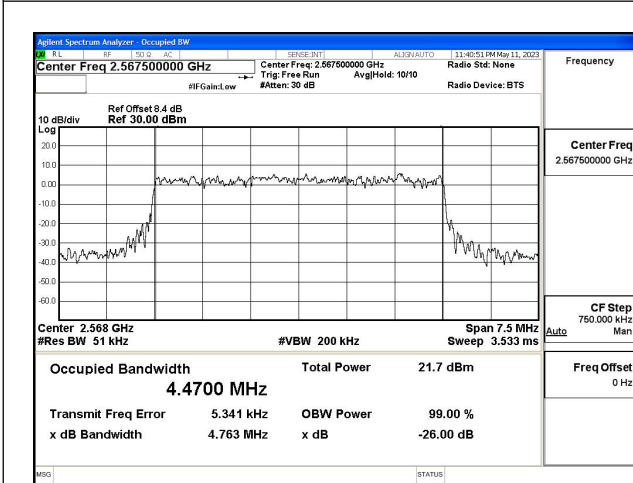


Fig.3

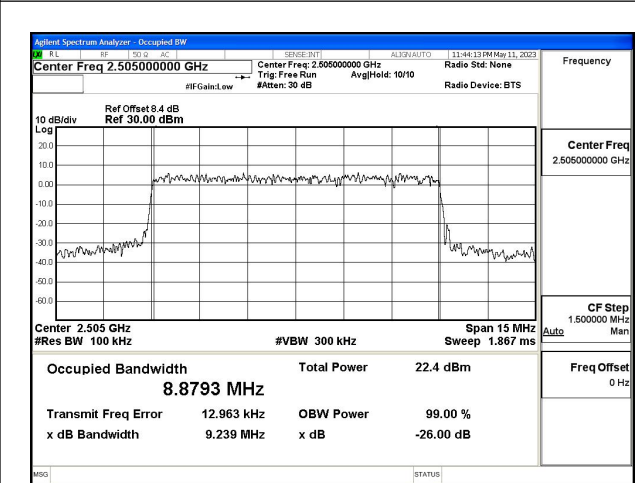


Fig.4

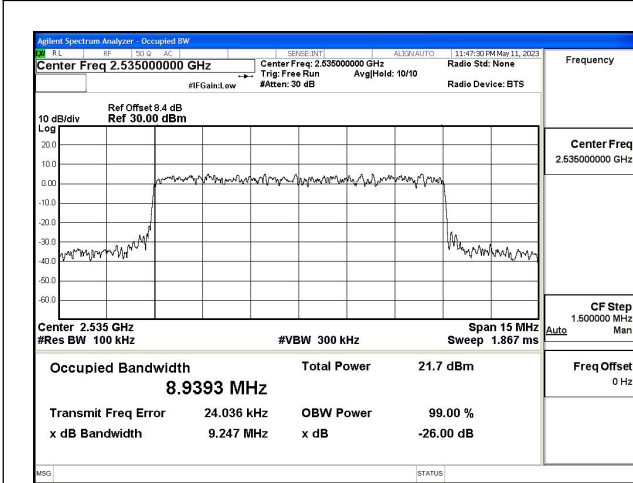


Fig.5

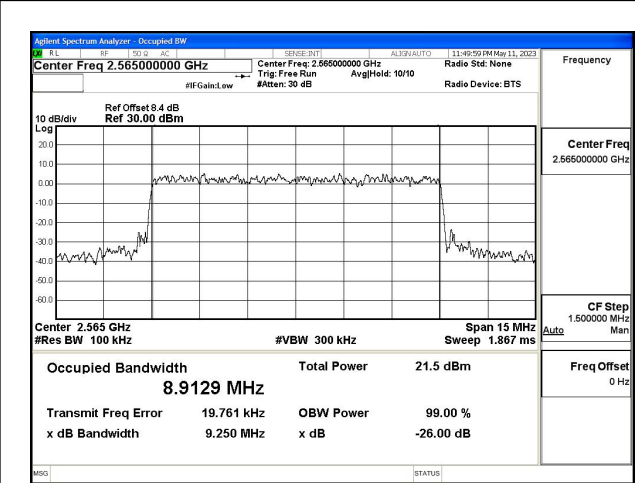


Fig.6