

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	22.44
QPSK	2502.5	20775	5	1	12	22.51
QPSK	2502.5	20775	5	1	24	22.61
QPSK	2502.5	20775	5	12	0	21.58
QPSK	2502.5	20775	5	12	7	21.73
QPSK	2502.5	20775	5	12	13	21.69
QPSK	2502.5	20775	5	25	0	21.65
QPSK	2535	21100	5	1	0	22.57
QPSK	2535	21100	5	1	12	22.79
QPSK	2535	21100	5	1	24	22.59
QPSK	2535	21100	5	12	0	21.64
QPSK	2535	21100	5	12	7	21.69
QPSK	2535	21100	5	12	13	21.62
QPSK	2535	21100	5	25	0	21.62
QPSK	2567.5	21425	5	1	0	22.41
QPSK	2567.5	21425	5	1	12	22.55
QPSK	2567.5	21425	5	1	24	22.55
QPSK	2567.5	21425	5	12	0	21.68
QPSK	2567.5	21425	5	12	7	21.66
QPSK	2567.5	21425	5	12	13	21.67
QPSK	2567.5	21425	5	25	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	21.68
16QAM	2502.5	20775	5	1	12	22.05
16QAM	2502.5	20775	5	1	24	21.25
16QAM	2502.5	20775	5	12	0	20.52
16QAM	2502.5	20775	5	12	7	20.77
16QAM	2502.5	20775	5	12	13	20.69
16QAM	2502.5	20775	5	25	0	20.74
16QAM	2535	21100	5	1	0	22.29
16QAM	2535	21100	5	1	12	22.08
16QAM	2535	21100	5	1	24	21.95
16QAM	2535	21100	5	12	0	20.73
16QAM	2535	21100	5	12	7	20.65
16QAM	2535	21100	5	12	13	20.80
16QAM	2535	21100	5	25	0	20.61
16QAM	2567.5	21425	5	1	0	21.91
16QAM	2567.5	21425	5	1	12	21.84
16QAM	2567.5	21425	5	1	24	22.05
16QAM	2567.5	21425	5	12	0	20.67
16QAM	2567.5	21425	5	12	7	20.77
16QAM	2567.5	21425	5	12	13	20.73
16QAM	2567.5	21425	5	25	0	20.65
64QAM	2502.5	20775	5	1	0	21.69
64QAM	2502.5	20775	5	1	12	21.76
64QAM	2502.5	20775	5	1	24	21.57
64QAM	2502.5	20775	5	12	0	20.52
64QAM	2502.5	20775	5	12	7	20.79
64QAM	2502.5	20775	5	12	13	20.77
64QAM	2502.5	20775	5	25	0	20.74
64QAM	2535	21100	5	1	0	22.14
64QAM	2535	21100	5	1	12	22.05
64QAM	2535	21100	5	1	24	21.42
64QAM	2535	21100	5	12	0	20.58
64QAM	2535	21100	5	12	7	20.65
64QAM	2535	21100	5	12	13	20.77
64QAM	2535	21100	5	25	0	20.79
64QAM	2567.5	21425	5	1	0	21.82
64QAM	2567.5	21425	5	1	12	21.75
64QAM	2567.5	21425	5	1	24	21.42
64QAM	2567.5	21425	5	12	0	20.74
64QAM	2567.5	21425	5	12	7	20.74
64QAM	2567.5	21425	5	12	13	20.63
64QAM	2567.5	21425	5	25	0	20.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	22.60
QPSK	2505	20800	10	1	25	22.76
QPSK	2505	20800	10	1	49	22.68
QPSK	2505	20800	10	25	0	21.66
QPSK	2505	20800	10	25	12	21.79
QPSK	2505	20800	10	25	25	21.80
QPSK	2505	20800	10	50	0	21.87
QPSK	2535	21100	10	1	0	22.96
QPSK	2535	21100	10	1	25	22.86
QPSK	2535	21100	10	1	49	22.71
QPSK	2535	21100	10	25	0	21.68
QPSK	2535	21100	10	25	12	21.70
QPSK	2535	21100	10	25	25	21.71
QPSK	2535	21100	10	50	0	21.75
QPSK	2565	21400	10	1	0	22.54
QPSK	2565	21400	10	1	25	22.70
QPSK	2565	21400	10	1	49	22.48
QPSK	2565	21400	10	25	0	21.67
QPSK	2565	21400	10	25	12	21.63
QPSK	2565	21400	10	25	25	21.63
QPSK	2565	21400	10	50	0	21.72

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.11
16QAM	2505	20800	10	1	25	21.87
16QAM	2505	20800	10	1	49	22.26
16QAM	2505	20800	10	25	0	20.73
16QAM	2505	20800	10	25	12	20.82
16QAM	2505	20800	10	25	25	20.84
16QAM	2505	20800	10	50	0	20.86
16QAM	2535	21100	10	1	0	22.33
16QAM	2535	21100	10	1	25	22.29
16QAM	2535	21100	10	1	49	22.01
16QAM	2535	21100	10	25	0	20.79
16QAM	2535	21100	10	25	12	20.64
16QAM	2535	21100	10	25	25	20.68
16QAM	2535	21100	10	50	0	20.68
16QAM	2565	21400	10	1	0	22.13
16QAM	2565	21400	10	1	25	22.16
16QAM	2565	21400	10	1	49	22.10
16QAM	2565	21400	10	25	0	20.68
16QAM	2565	21400	10	25	12	20.67
16QAM	2565	21400	10	25	25	20.76
16QAM	2565	21400	10	50	0	20.75
64QAM	2505	20800	10	1	0	21.80
64QAM	2505	20800	10	1	25	22.21
64QAM	2505	20800	10	1	49	21.74
64QAM	2505	20800	10	25	0	20.61
64QAM	2505	20800	10	25	12	20.80
64QAM	2505	20800	10	25	25	20.80
64QAM	2505	20800	10	50	0	20.75
64QAM	2535	21100	10	1	0	21.60
64QAM	2535	21100	10	1	25	21.86
64QAM	2535	21100	10	1	49	21.60
64QAM	2535	21100	10	25	0	20.75
64QAM	2535	21100	10	25	12	20.77
64QAM	2535	21100	10	25	25	20.82
64QAM	2535	21100	10	50	0	20.70
64QAM	2565	21400	10	1	0	21.95
64QAM	2565	21400	10	1	25	22.11
64QAM	2565	21400	10	1	49	21.71
64QAM	2565	21400	10	25	0	20.76
64QAM	2565	21400	10	25	12	20.74
64QAM	2565	21400	10	25	25	20.67
64QAM	2565	21400	10	50	0	20.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	22.39
QPSK	2507.5	20825	15	1	37	22.77
QPSK	2507.5	20825	15	1	74	22.42
QPSK	2507.5	20825	15	36	0	21.50
QPSK	2507.5	20825	15	36	29	21.67
QPSK	2507.5	20825	15	36	30	21.59
QPSK	2507.5	20825	15	75	0	21.55
QPSK	2535	21100	15	1	0	22.88
QPSK	2535	21100	15	1	37	22.52
QPSK	2535	21100	15	1	74	22.31
QPSK	2535	21100	15	36	0	21.62
QPSK	2535	21100	15	36	29	21.59
QPSK	2535	21100	15	36	30	21.59
QPSK	2535	21100	15	75	0	21.51
QPSK	2562.5	21375	15	1	0	22.44
QPSK	2562.5	21375	15	1	37	22.79
QPSK	2562.5	21375	15	1	74	22.59
QPSK	2562.5	21375	15	36	0	21.53
QPSK	2562.5	21375	15	36	29	21.53
QPSK	2562.5	21375	15	36	30	21.61
QPSK	2562.5	21375	15	75	0	21.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	21.91
16QAM	2507.5	20825	15	1	37	22.21
16QAM	2507.5	20825	15	1	74	22.04
16QAM	2507.5	20825	15	36	0	20.60
16QAM	2507.5	20825	15	36	29	20.67
16QAM	2507.5	20825	15	36	30	20.75
16QAM	2507.5	20825	15	75	0	20.65
16QAM	2535	21100	15	1	0	22.05
16QAM	2535	21100	15	1	37	22.16
16QAM	2535	21100	15	1	74	21.75
16QAM	2535	21100	15	36	0	20.53
16QAM	2535	21100	15	36	29	20.56
16QAM	2535	21100	15	36	30	20.62
16QAM	2535	21100	15	75	0	20.53
16QAM	2562.5	21375	15	1	0	21.58
16QAM	2562.5	21375	15	1	37	21.64
16QAM	2562.5	21375	15	1	74	21.85
16QAM	2562.5	21375	15	36	0	20.50
16QAM	2562.5	21375	15	36	29	20.56
16QAM	2562.5	21375	15	36	30	20.51

16QAM	2562.5	21375	15	75	0	20.61
64QAM	2507.5	20825	15	1	0	21.27
64QAM	2507.5	20825	15	1	37	21.94
64QAM	2507.5	20825	15	1	74	21.27
64QAM	2507.5	20825	15	36	0	20.63
64QAM	2507.5	20825	15	36	29	20.66
64QAM	2507.5	20825	15	36	30	20.78
64QAM	2507.5	20825	15	75	0	20.70
64QAM	2535	21100	15	1	0	21.82
64QAM	2535	21100	15	1	37	21.93
64QAM	2535	21100	15	1	74	21.33
64QAM	2535	21100	15	36	0	20.56
64QAM	2535	21100	15	36	29	20.60
64QAM	2535	21100	15	36	30	20.63
64QAM	2535	21100	15	75	0	20.56
64QAM	2562.5	21375	15	1	0	21.80
64QAM	2562.5	21375	15	1	37	22.09
64QAM	2562.5	21375	15	1	74	21.34
64QAM	2562.5	21375	15	36	0	20.47
64QAM	2562.5	21375	15	36	29	20.63
64QAM	2562.5	21375	15	36	30	20.50
64QAM	2562.5	21375	15	75	0	20.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	22.45
QPSK	2510	20850	20	1	49	22.50
QPSK	2510	20850	20	1	99	22.44
QPSK	2510	20850	20	50	0	21.57
QPSK	2510	20850	20	50	24	21.72
QPSK	2510	20850	20	50	50	21.66
QPSK	2510	20850	20	100	0	21.67
QPSK	2535	21100	20	1	0	22.76
QPSK	2535	21100	20	1	49	22.74
QPSK	2535	21100	20	1	99	22.47
QPSK	2535	21100	20	50	0	21.59
QPSK	2535	21100	20	50	24	21.49
QPSK	2535	21100	20	50	50	21.57
QPSK	2535	21100	20	100	0	21.49
QPSK	2560	21350	20	1	0	22.25
QPSK	2560	21350	20	1	49	22.81
QPSK	2560	21350	20	1	99	22.50
QPSK	2560	21350	20	50	0	21.51
QPSK	2560	21350	20	50	24	21.44
QPSK	2560	21350	20	50	50	21.47
QPSK	2560	21350	20	100	0	21.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	21.59
16QAM	2510	20850	20	1	49	21.87
16QAM	2510	20850	20	1	99	22.04
16QAM	2510	20850	20	50	0	20.62
16QAM	2510	20850	20	50	24	20.74
16QAM	2510	20850	20	50	50	20.69
16QAM	2510	20850	20	100	0	20.72
16QAM	2535	21100	20	1	0	21.80
16QAM	2535	21100	20	1	49	22.00
16QAM	2535	21100	20	1	99	21.59
16QAM	2535	21100	20	50	0	20.50
16QAM	2535	21100	20	50	24	20.52
16QAM	2535	21100	20	50	50	20.61
16QAM	2535	21100	20	100	0	20.64
16QAM	2560	21350	20	1	0	21.56
16QAM	2560	21350	20	1	49	21.49
16QAM	2560	21350	20	1	99	21.62
16QAM	2560	21350	20	50	0	20.42
16QAM	2560	21350	20	50	24	20.41
16QAM	2560	21350	20	50	50	20.45
16QAM	2560	21350	20	100	0	20.50
64QAM	2510	20850	20	1	0	21.38
64QAM	2510	20850	20	1	49	21.38
64QAM	2510	20850	20	1	99	21.58
64QAM	2510	20850	20	50	0	20.57
64QAM	2510	20850	20	50	24	20.77
64QAM	2510	20850	20	50	50	20.74
64QAM	2510	20850	20	100	0	20.75
64QAM	2535	21100	20	1	0	21.87
64QAM	2535	21100	20	1	49	21.74
64QAM	2535	21100	20	1	99	21.66
64QAM	2535	21100	20	50	0	20.57
64QAM	2535	21100	20	50	24	20.57
64QAM	2535	21100	20	50	50	20.58
64QAM	2535	21100	20	100	0	20.56
64QAM	2560	21350	20	1	0	21.70
64QAM	2560	21350	20	1	49	21.91
64QAM	2560	21350	20	1	99	21.59
64QAM	2560	21350	20	50	0	20.43
64QAM	2560	21350	20	50	24	20.42
64QAM	2560	21350	20	50	50	20.57
64QAM	2560	21350	20	100	0	20.51

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	4.471	Fig.1
7	QPSK	2535	21100	5	25	0	4.467	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.456	Fig.3
7	QPSK	2505	20800	10	50	0	8.915	Fig.4
7	QPSK	2535	21100	10	50	0	8.939	Fig.5
7	QPSK	2565	21400	10	50	0	8.889	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.376	Fig.7
7	QPSK	2535	21100	15	75	0	13.390	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.428	Fig.9
7	QPSK	2510	20850	20	100	0	17.825	Fig.10
7	QPSK	2535	21100	20	100	0	17.844	Fig.11
7	QPSK	2560	21350	20	100	0	17.860	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	4.444	Fig.13
7	16QAM	2535	21100	5	25	0	4.453	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.467	Fig.15
7	16QAM	2505	20800	10	50	0	8.911	Fig.16
7	16QAM	2535	21100	10	50	0	8.915	Fig.17
7	16QAM	2565	21400	10	50	0	8.927	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.378	Fig.19
7	16QAM	2535	21100	15	75	0	13.339	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.287	Fig.21
7	16QAM	2510	20850	20	100	0	17.876	Fig.22
7	16QAM	2535	21100	20	100	0	17.862	Fig.23
7	16QAM	2560	21350	20	100	0	17.858	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	4.458	Fig.25
7	64QAM	2535	21100	5	25	0	4.471	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.473	Fig.27
7	64QAM	2505	20800	10	50	0	8.941	Fig.28
7	64QAM	2535	21100	10	50	0	8.938	Fig.29
7	64QAM	2565	21400	10	50	0	8.933	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.396	Fig.31
7	64QAM	2535	21100	15	75	0	13.374	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.404	Fig.33
7	64QAM	2510	20850	20	100	0	17.807	Fig.34
7	64QAM	2535	21100	20	100	0	17.813	Fig.35
7	64QAM	2560	21350	20	100	0	17.845	Fig.36

Test Mode: QPSK

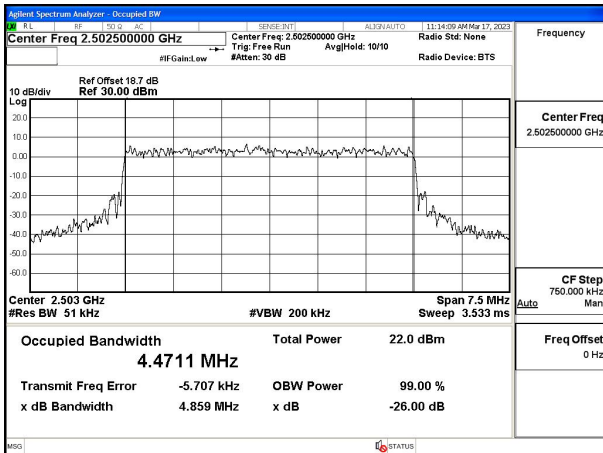


Fig.1

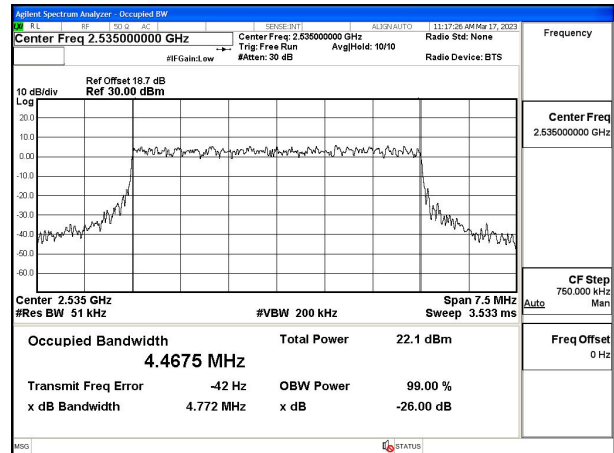


Fig.2

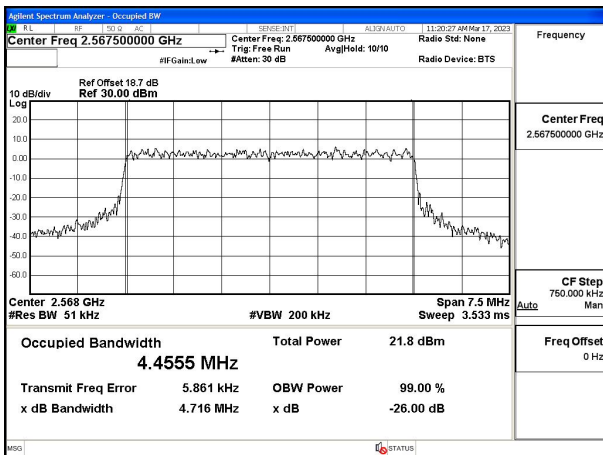


Fig.3

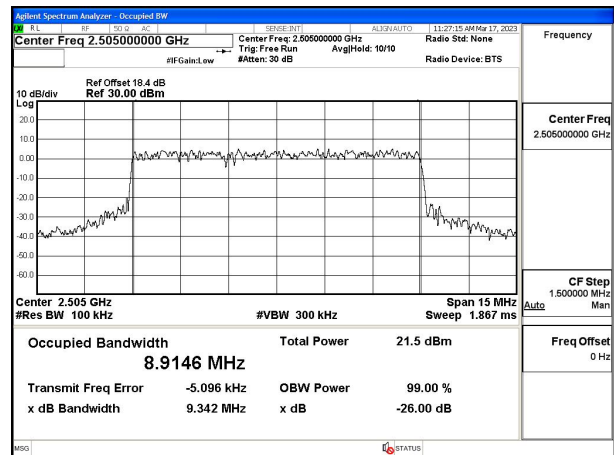


Fig.4

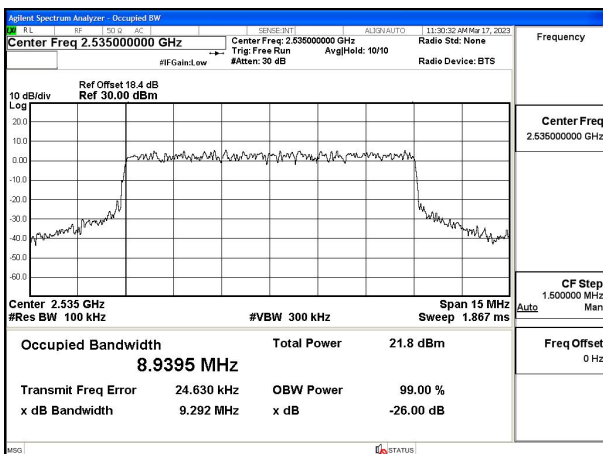


Fig.5

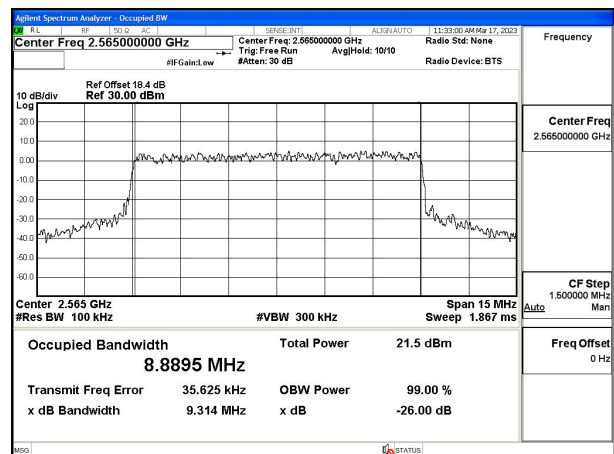


Fig.6

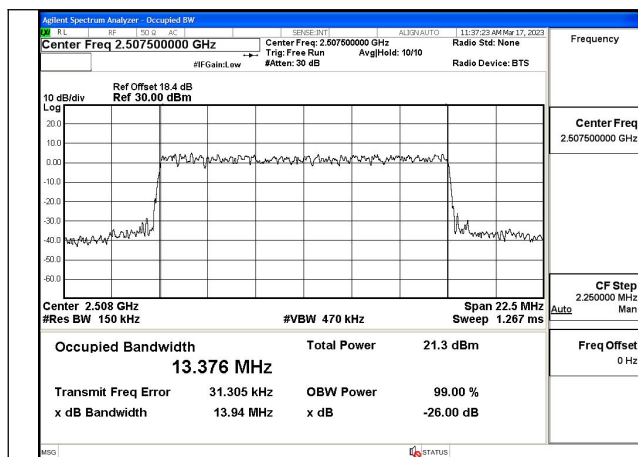


Fig.7

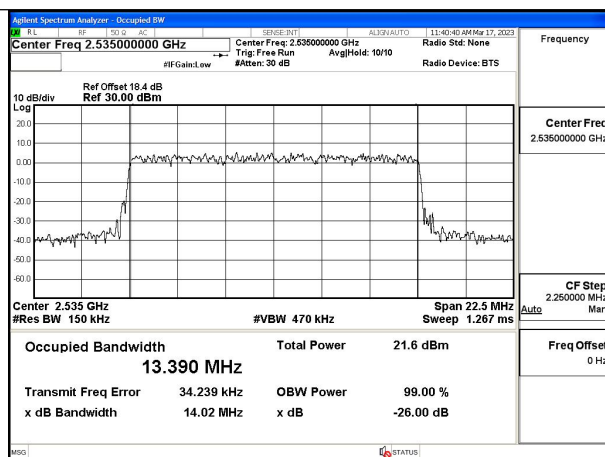


Fig.8

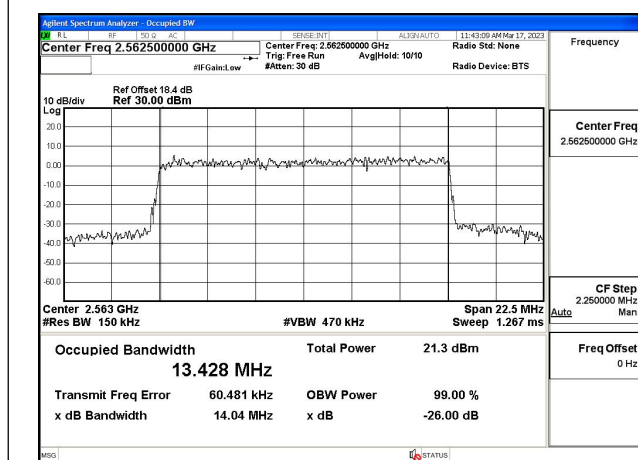


Fig.9

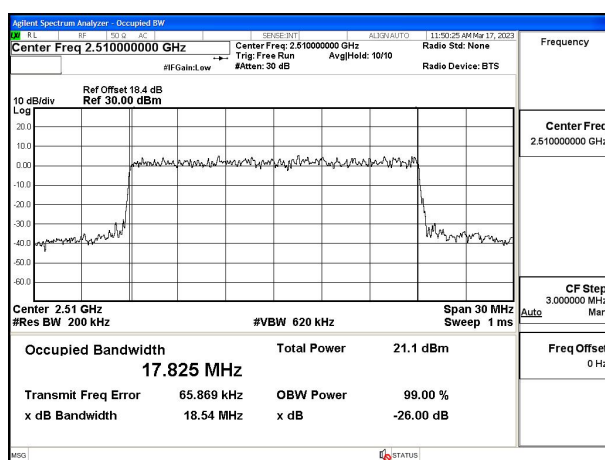


Fig.10

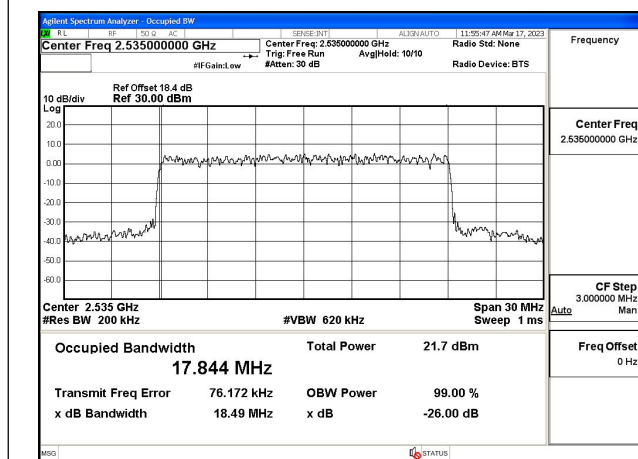


Fig.11

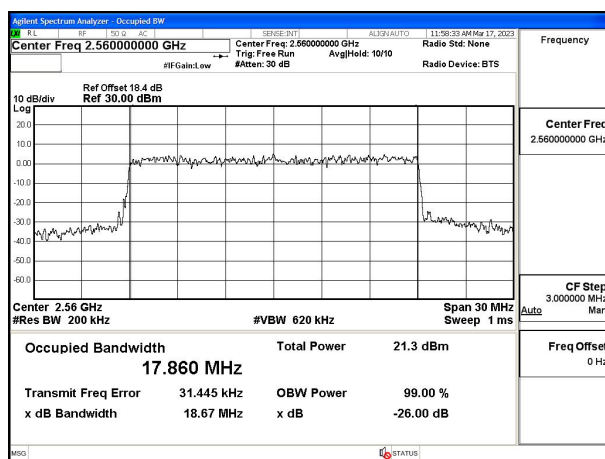


Fig.12

Test Mode: 16QAM

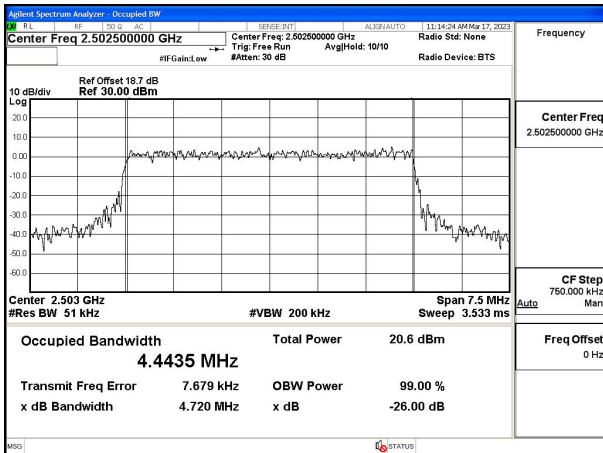


Fig.13

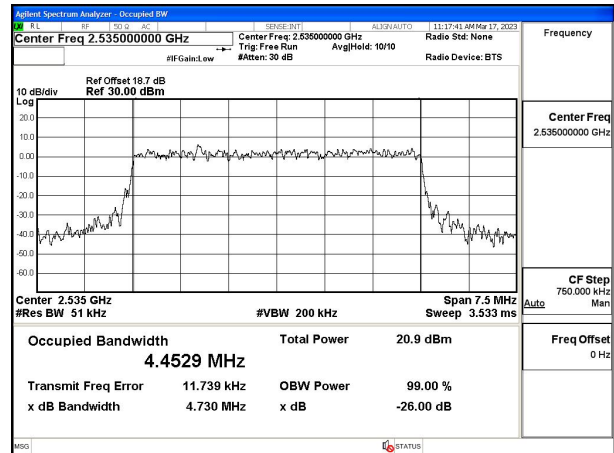


Fig.14

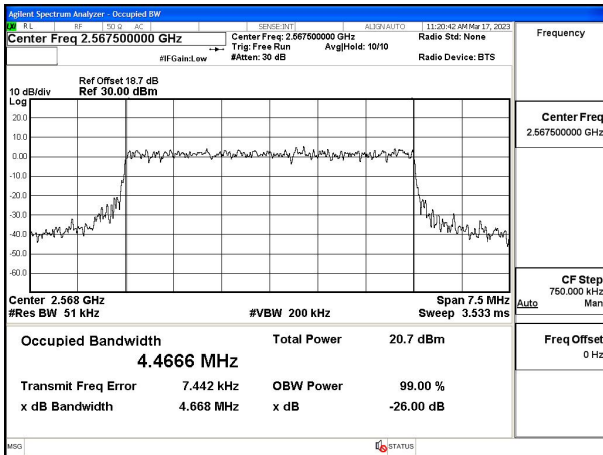


Fig.15

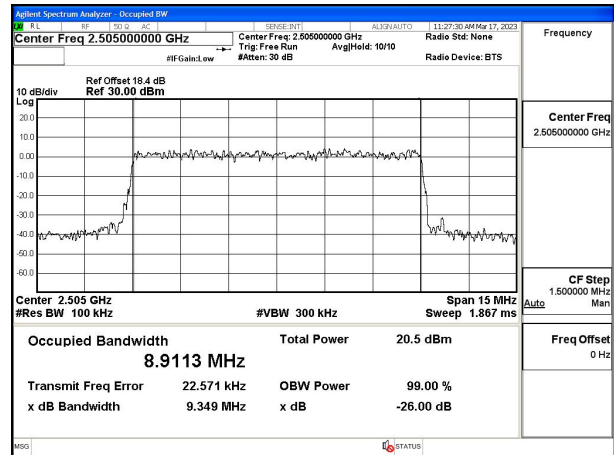


Fig.16

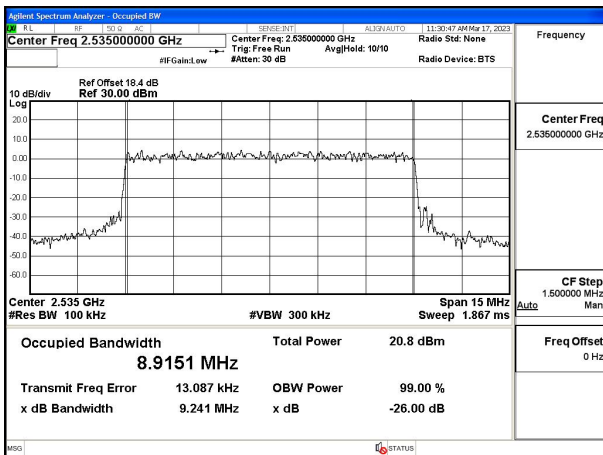


Fig.17

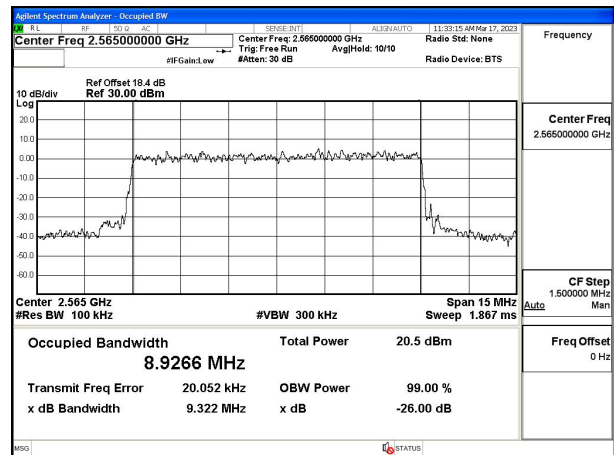


Fig.18

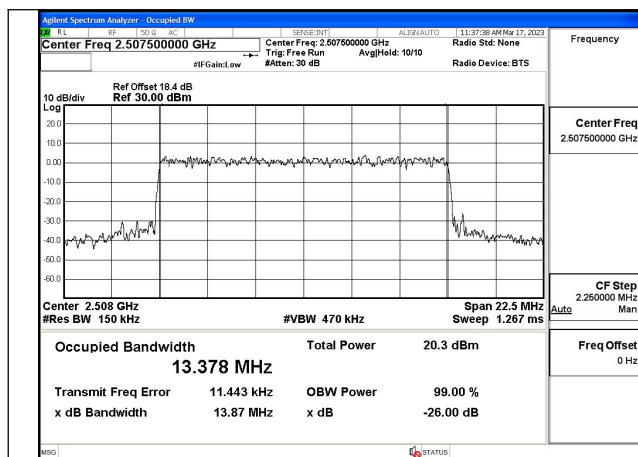


Fig.19

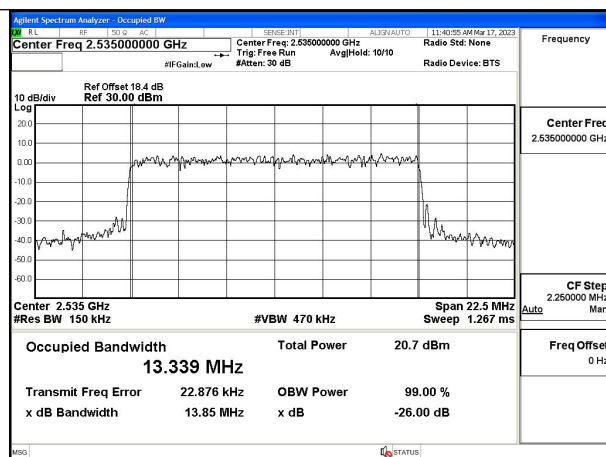


Fig.20

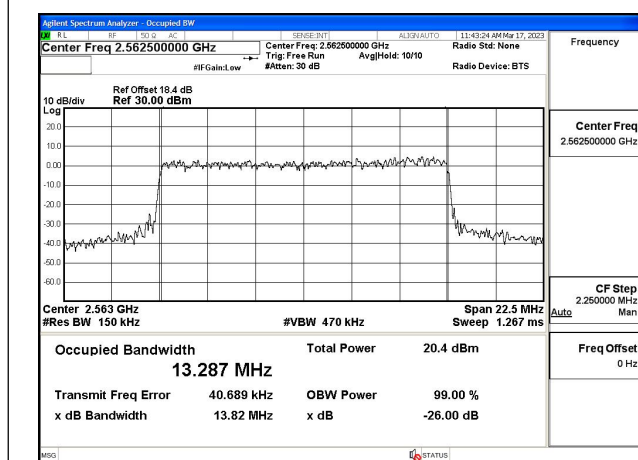


Fig.21

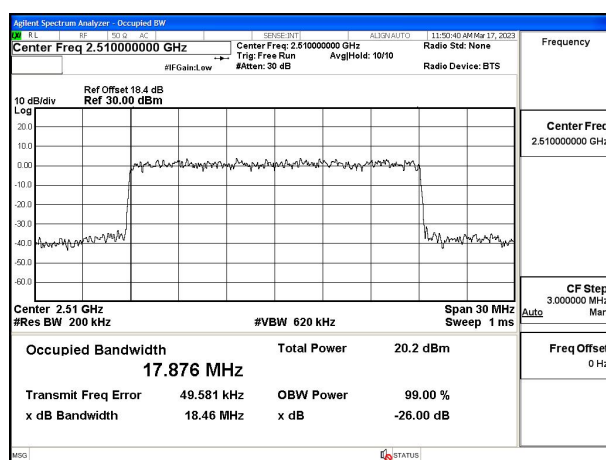


Fig.22

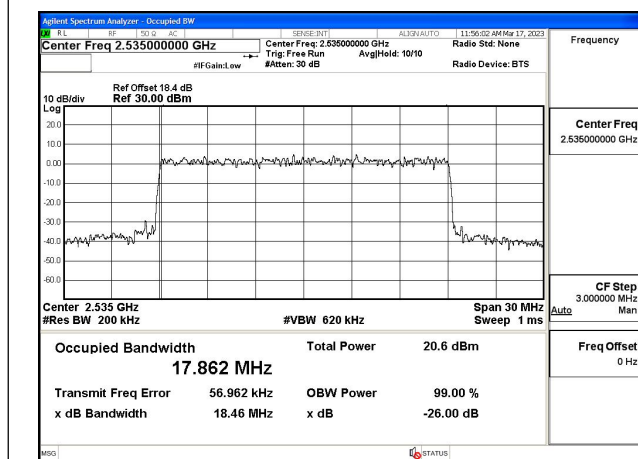


Fig.23

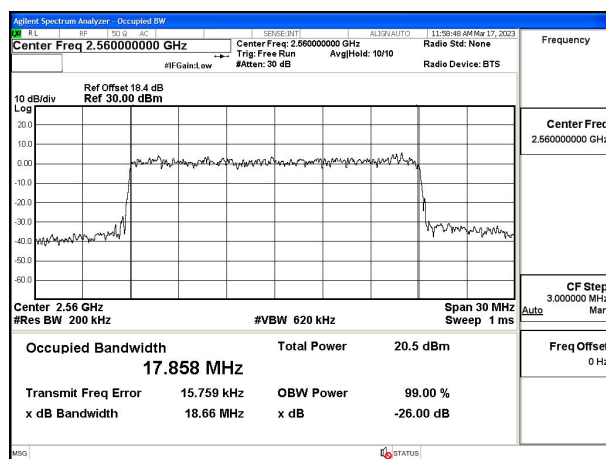


Fig.24

Test Mode: 64QAM

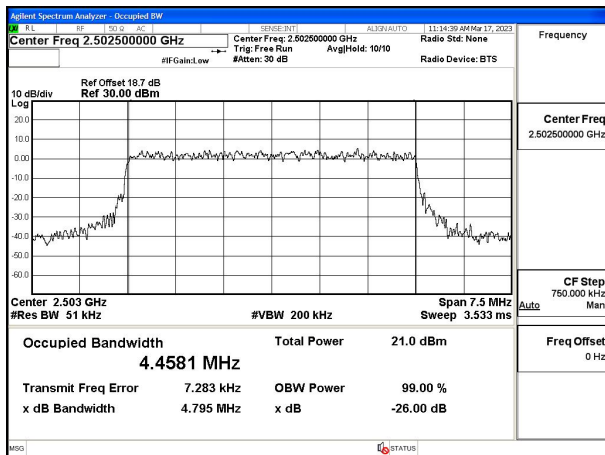


Fig.25

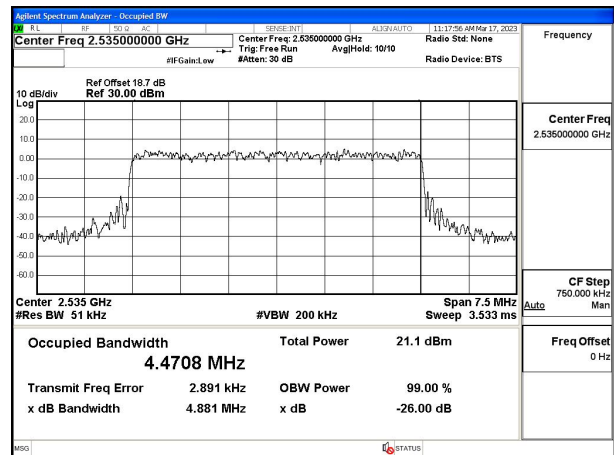


Fig.26

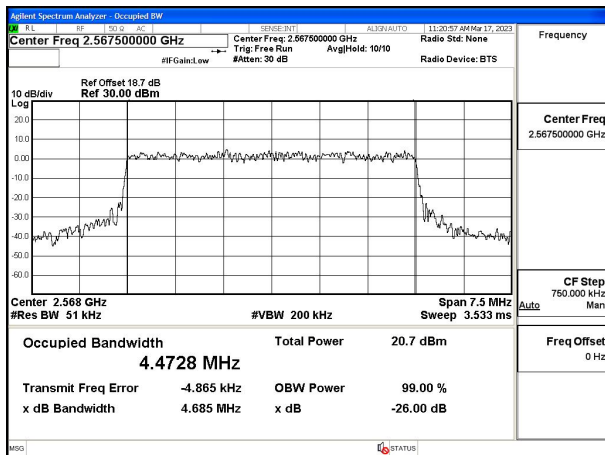


Fig.27

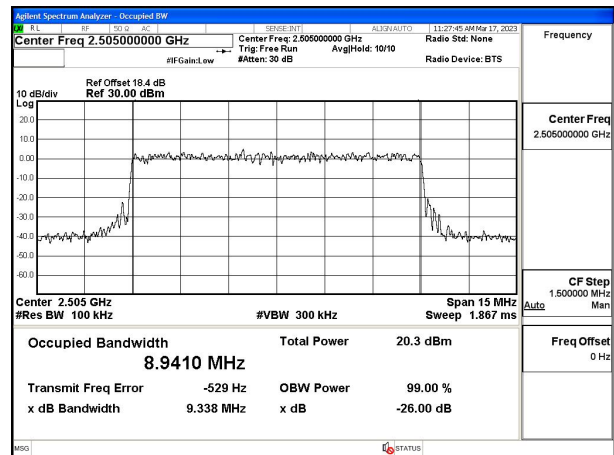


Fig.28

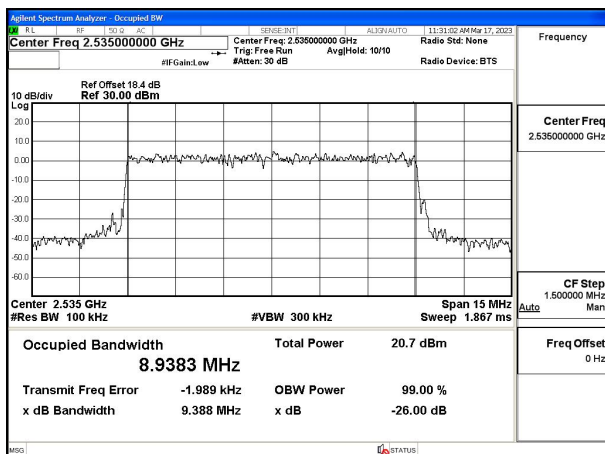


Fig.29

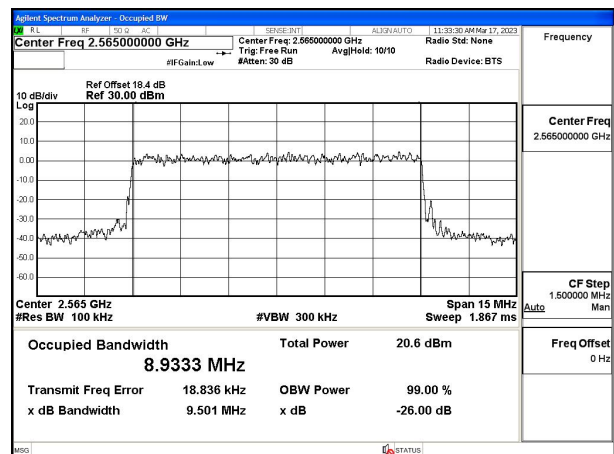


Fig.30

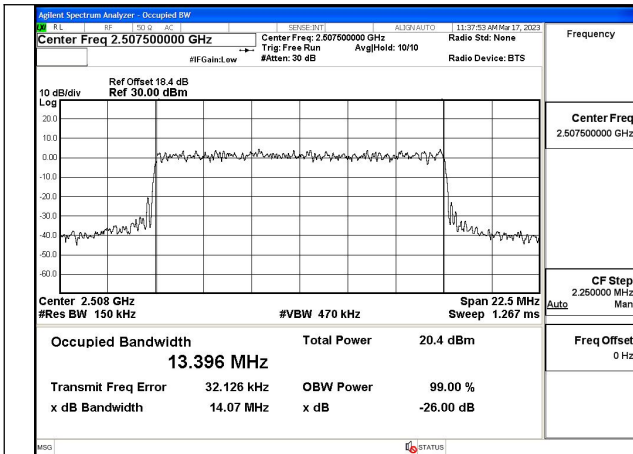


Fig.31

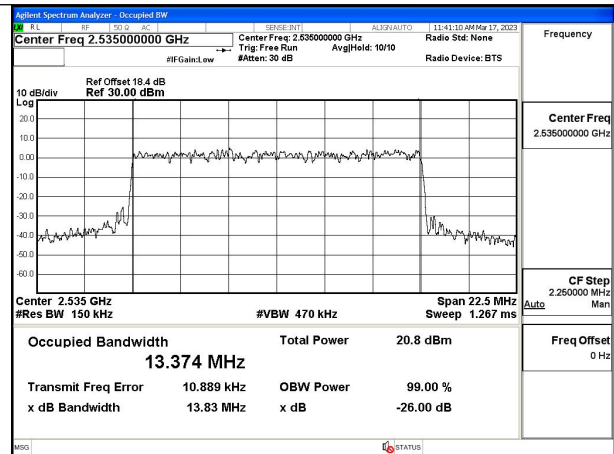


Fig.32

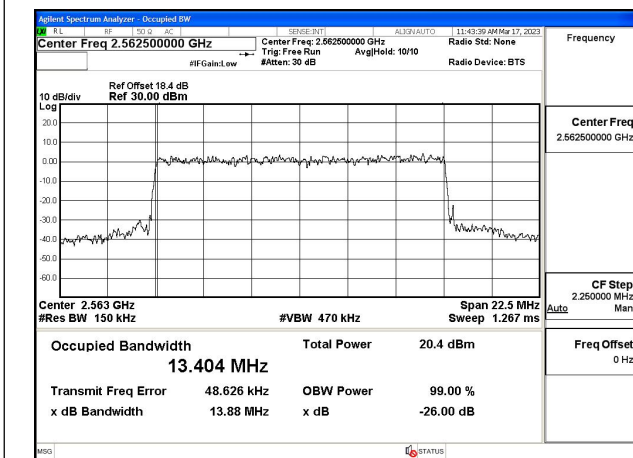


Fig.33

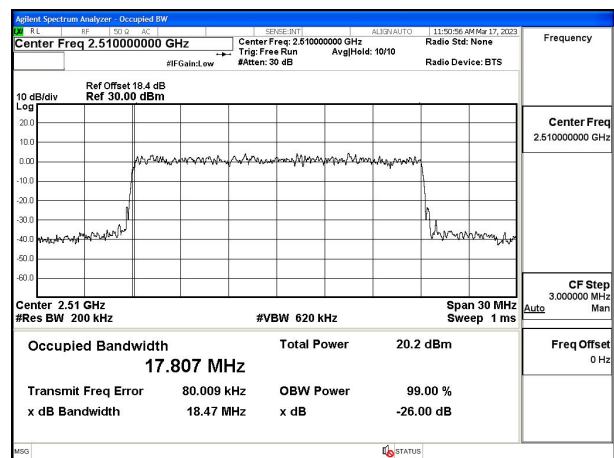


Fig.34

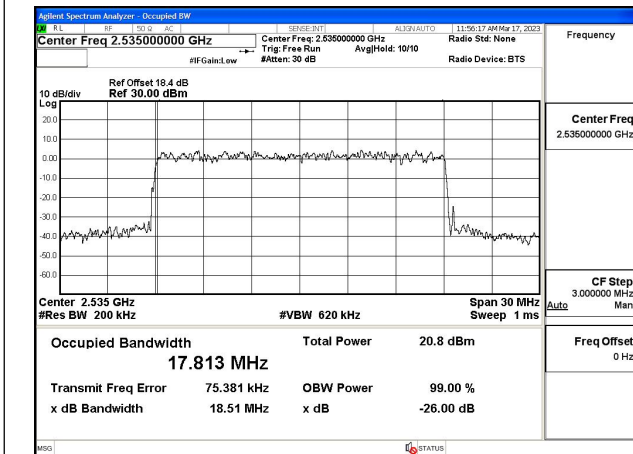


Fig.35

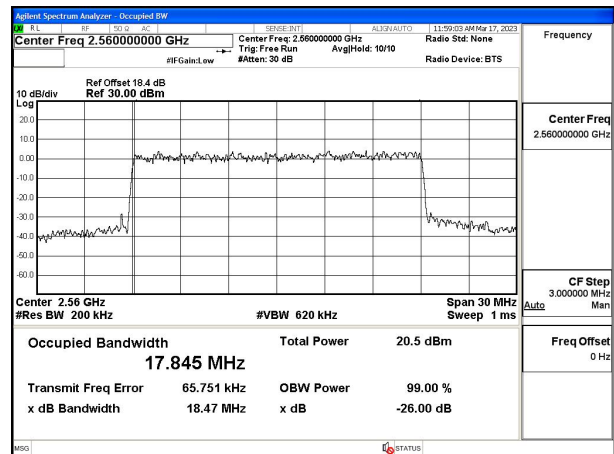


Fig.36

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	4.859	Fig.1
7	QPSK	2535	21100	5	25	0	4.772	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.716	Fig.3
7	QPSK	2505	20800	10	50	0	9.342	Fig.4
7	QPSK	2535	21100	10	50	0	9.292	Fig.5
7	QPSK	2565	21400	10	50	0	9.314	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.938	Fig.7
7	QPSK	2535	21100	15	75	0	14.015	Fig.8
7	QPSK	2562.5	21375	15	75	0	14.043	Fig.9
7	QPSK	2510	20850	20	100	0	18.536	Fig.10
7	QPSK	2535	21100	20	100	0	18.489	Fig.11
7	QPSK	2560	21350	20	100	0	18.668	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	4.720	Fig.13
7	16QAM	2535	21100	5	25	0	4.730	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.668	Fig.15
7	16QAM	2505	20800	10	50	0	9.349	Fig.16
7	16QAM	2535	21100	10	50	0	9.241	Fig.17
7	16QAM	2565	21400	10	50	0	9.322	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.867	Fig.19
7	16QAM	2535	21100	15	75	0	13.851	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.821	Fig.21
7	16QAM	2510	20850	20	100	0	18.462	Fig.22
7	16QAM	2535	21100	20	100	0	18.462	Fig.23
7	16QAM	2560	21350	20	100	0	18.663	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	4.795	Fig.25
7	64QAM	2535	21100	5	25	0	4.881	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.685	Fig.27
7	64QAM	2505	20800	10	50	0	9.338	Fig.28
7	64QAM	2535	21100	10	50	0	9.388	Fig.29
7	64QAM	2565	21400	10	50	0	9.501	Fig.30
7	64QAM	2507.5	20825	15	75	0	14.067	Fig.31
7	64QAM	2535	21100	15	75	0	13.834	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.883	Fig.33
7	64QAM	2510	20850	20	100	0	18.473	Fig.34
7	64QAM	2535	21100	20	100	0	18.507	Fig.35
7	64QAM	2560	21350	20	100	0	18.473	Fig.36

Test Mode: QPSK

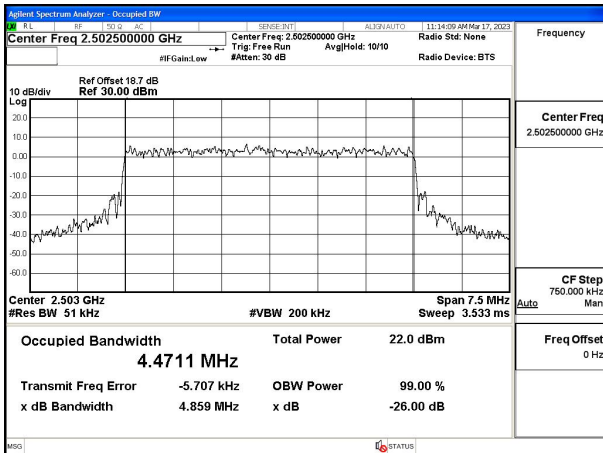


Fig.1

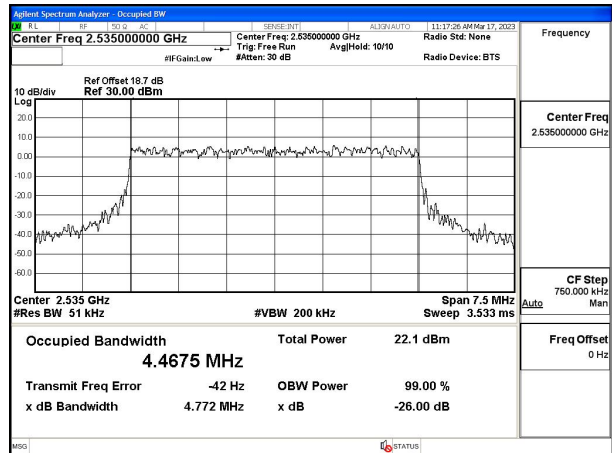


Fig.2

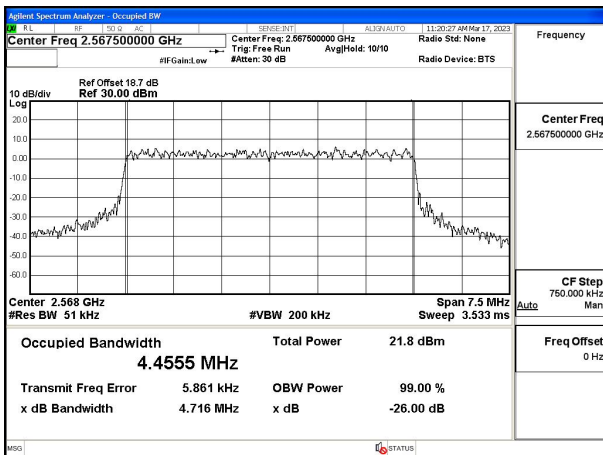


Fig.3

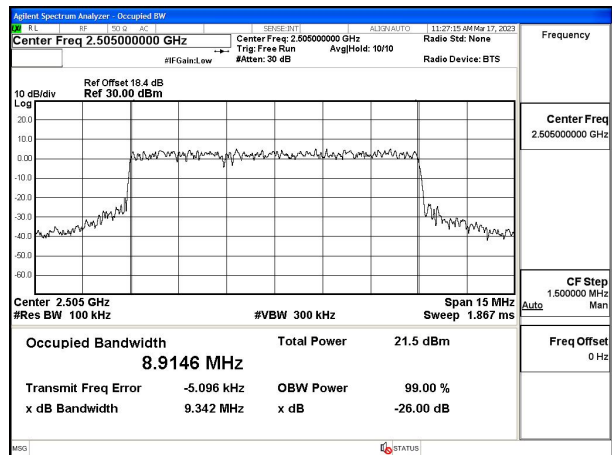


Fig.4

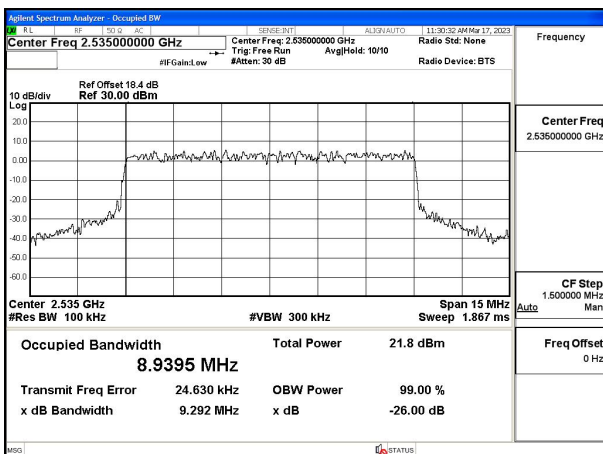


Fig.5

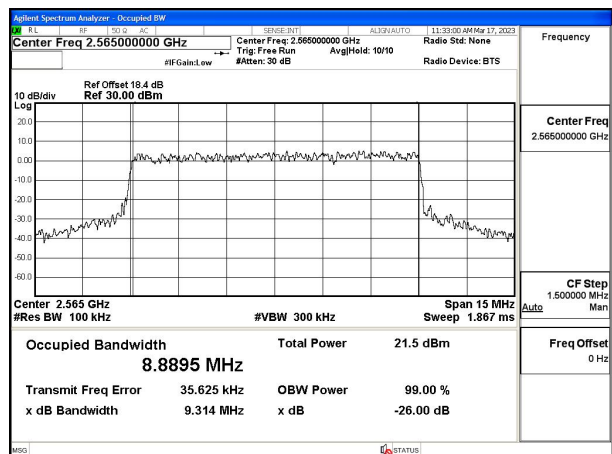


Fig.6