

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	23.67
QPSK	2502.5	20775	5	1	12	23.91
QPSK	2502.5	20775	5	1	24	23.59
QPSK	2502.5	20775	5	12	0	22.74
QPSK	2502.5	20775	5	12	7	22.82
QPSK	2502.5	20775	5	12	13	22.71
QPSK	2502.5	20775	5	25	0	22.78
QPSK	2535	21100	5	1	0	22.98
QPSK	2535	21100	5	1	12	23.16
QPSK	2535	21100	5	1	24	22.95
QPSK	2535	21100	5	12	0	21.94
QPSK	2535	21100	5	12	7	21.99
QPSK	2535	21100	5	12	13	21.93
QPSK	2535	21100	5	25	0	21.98
QPSK	2567.5	21425	5	1	0	23.26
QPSK	2567.5	21425	5	1	12	23.19
QPSK	2567.5	21425	5	1	24	22.98
QPSK	2567.5	21425	5	12	0	21.80
QPSK	2567.5	21425	5	12	7	21.83
QPSK	2567.5	21425	5	12	13	21.96
QPSK	2567.5	21425	5	25	0	21.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	22.80
16QAM	2502.5	20775	5	1	12	22.95
16QAM	2502.5	20775	5	1	24	22.81
16QAM	2502.5	20775	5	12	0	21.75
16QAM	2502.5	20775	5	12	7	21.82
16QAM	2502.5	20775	5	12	13	21.70
16QAM	2502.5	20775	5	25	0	21.74
16QAM	2535	21100	5	1	0	22.24
16QAM	2535	21100	5	1	12	22.46
16QAM	2535	21100	5	1	24	22.20
16QAM	2535	21100	5	12	0	20.88
16QAM	2535	21100	5	12	7	20.89
16QAM	2535	21100	5	12	13	20.89
16QAM	2535	21100	5	25	0	20.88
16QAM	2567.5	21425	5	1	0	21.82
16QAM	2567.5	21425	5	1	12	22.05
16QAM	2567.5	21425	5	1	24	21.82
16QAM	2567.5	21425	5	12	0	20.64
16QAM	2567.5	21425	5	12	7	20.77
16QAM	2567.5	21425	5	12	13	20.64
16QAM	2567.5	21425	5	25	0	20.76
64QAM	2502.5	20775	5	1	0	21.77
64QAM	2502.5	20775	5	1	12	21.97
64QAM	2502.5	20775	5	1	24	21.73
64QAM	2502.5	20775	5	12	0	20.83
64QAM	2502.5	20775	5	12	7	20.94
64QAM	2502.5	20775	5	12	13	20.82
64QAM	2502.5	20775	5	25	0	20.75
64QAM	2535	21100	5	1	0	21.12
64QAM	2535	21100	5	1	12	21.33
64QAM	2535	21100	5	1	24	21.09
64QAM	2535	21100	5	12	0	19.84
64QAM	2535	21100	5	12	7	19.92
64QAM	2535	21100	5	12	13	19.86
64QAM	2535	21100	5	25	0	19.88
64QAM	2567.5	21425	5	1	0	20.83
64QAM	2567.5	21425	5	1	12	21.06
64QAM	2567.5	21425	5	1	24	20.81
64QAM	2567.5	21425	5	12	0	19.74
64QAM	2567.5	21425	5	12	7	19.91
64QAM	2567.5	21425	5	12	13	20.24
64QAM	2567.5	21425	5	25	0	20.09

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FCC ID :2AT19-H65162M2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	23.43
QPSK	2505	20800	10	1	25	23.46
QPSK	2505	20800	10	1	49	23.23
QPSK	2505	20800	10	25	0	22.45
QPSK	2505	20800	10	25	12	22.39
QPSK	2505	20800	10	25	25	22.33
QPSK	2505	20800	10	50	0	22.38
QPSK	2535	21100	10	1	0	22.53
QPSK	2535	21100	10	1	25	22.79
QPSK	2535	21100	10	1	49	22.53
QPSK	2535	21100	10	25	0	21.58
QPSK	2535	21100	10	25	12	21.62
QPSK	2535	21100	10	25	25	21.52
QPSK	2535	21100	10	50	0	21.51
QPSK	2565	21400	10	1	0	22.80
QPSK	2565	21400	10	1	25	23.01
QPSK	2565	21400	10	1	49	22.92
QPSK	2565	21400	10	25	0	21.85
QPSK	2565	21400	10	25	12	21.82
QPSK	2565	21400	10	25	25	21.87
QPSK	2565	21400	10	50	0	21.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.91
16QAM	2505	20800	10	1	25	22.96
16QAM	2505	20800	10	1	49	22.74
16QAM	2505	20800	10	25	0	21.39
16QAM	2505	20800	10	25	12	21.31
16QAM	2505	20800	10	25	25	21.28
16QAM	2505	20800	10	50	0	21.35
16QAM	2535	21100	10	1	0	21.69
16QAM	2535	21100	10	1	25	21.80
16QAM	2535	21100	10	1	49	21.67
16QAM	2535	21100	10	25	0	20.58
16QAM	2535	21100	10	25	12	20.61
16QAM	2535	21100	10	25	25	20.60
16QAM	2535	21100	10	50	0	20.54
16QAM	2565	21400	10	1	0	21.94
16QAM	2565	21400	10	1	25	22.04
16QAM	2565	21400	10	1	49	21.94
16QAM	2565	21400	10	25	0	20.86
16QAM	2565	21400	10	25	12	20.90
16QAM	2565	21400	10	25	25	20.83
16QAM	2565	21400	10	50	0	20.86
64QAM	2505	20800	10	1	0	21.73
64QAM	2505	20800	10	1	25	21.74
64QAM	2505	20800	10	1	49	21.57
64QAM	2505	20800	10	25	0	20.44
64QAM	2505	20800	10	25	12	20.39
64QAM	2505	20800	10	25	25	20.37
64QAM	2505	20800	10	50	0	20.40
64QAM	2535	21100	10	1	0	20.66
64QAM	2535	21100	10	1	25	20.81
64QAM	2535	21100	10	1	49	20.56
64QAM	2535	21100	10	25	0	19.65
64QAM	2535	21100	10	25	12	19.65
64QAM	2535	21100	10	25	25	19.62
64QAM	2535	21100	10	50	0	19.66
64QAM	2565	21400	10	1	0	20.93
64QAM	2565	21400	10	1	25	21.21
64QAM	2565	21400	10	1	49	20.95
64QAM	2565	21400	10	25	0	19.94
64QAM	2565	21400	10	25	12	19.96
64QAM	2565	21400	10	25	25	19.98
64QAM	2565	21400	10	50	0	19.85

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	23.36
QPSK	2507.5	20825	15	1	37	23.47
QPSK	2507.5	20825	15	1	74	22.98
QPSK	2507.5	20825	15	36	0	22.54
QPSK	2507.5	20825	15	36	29	22.34
QPSK	2507.5	20825	15	36	30	22.35
QPSK	2507.5	20825	15	75	0	22.47
QPSK	2535	21100	15	1	0	22.54
QPSK	2535	21100	15	1	37	22.73
QPSK	2535	21100	15	1	74	22.50
QPSK	2535	21100	15	36	0	21.76
QPSK	2535	21100	15	36	29	21.66
QPSK	2535	21100	15	36	30	21.69
QPSK	2535	21100	15	75	0	21.69
QPSK	2562.5	21375	15	1	0	22.65
QPSK	2562.5	21375	15	1	37	22.98
QPSK	2562.5	21375	15	1	74	22.76
QPSK	2562.5	21375	15	36	0	21.95
QPSK	2562.5	21375	15	36	29	22.10
QPSK	2562.5	21375	15	36	30	22.08
QPSK	2562.5	21375	15	75	0	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	22.87
16QAM	2507.5	20825	15	1	37	22.97
16QAM	2507.5	20825	15	1	74	22.55
16QAM	2507.5	20825	15	36	0	21.52
16QAM	2507.5	20825	15	36	29	21.37
16QAM	2507.5	20825	15	36	30	21.33
16QAM	2507.5	20825	15	75	0	21.37
16QAM	2535	21100	15	1	0	21.70
16QAM	2535	21100	15	1	37	21.79
16QAM	2535	21100	15	1	74	21.60
16QAM	2535	21100	15	36	0	20.65
16QAM	2535	21100	15	36	29	20.62
16QAM	2535	21100	15	36	30	20.65
16QAM	2535	21100	15	75	0	20.59
16QAM	2562.5	21375	15	1	0	22.02
16QAM	2562.5	21375	15	1	37	22.32
16QAM	2562.5	21375	15	1	74	22.06
16QAM	2562.5	21375	15	36	0	20.86
16QAM	2562.5	21375	15	36	29	20.91
16QAM	2562.5	21375	15	36	30	20.89
16QAM	2562.5	21375	15	75	0	20.82
64QAM	2507.5	20825	15	1	0	21.67
64QAM	2507.5	20825	15	1	37	21.75
64QAM	2507.5	20825	15	1	74	21.31
64QAM	2507.5	20825	15	36	0	20.43
64QAM	2507.5	20825	15	36	29	20.29
64QAM	2507.5	20825	15	36	30	20.33
64QAM	2507.5	20825	15	75	0	20.33
64QAM	2535	21100	15	1	0	20.63
64QAM	2535	21100	15	1	37	20.79
64QAM	2535	21100	15	1	74	20.59
64QAM	2535	21100	15	36	0	19.62
64QAM	2535	21100	15	36	29	19.71
64QAM	2535	21100	15	36	30	19.67
64QAM	2535	21100	15	75	0	19.69
64QAM	2562.5	21375	15	1	0	21.20
64QAM	2562.5	21375	15	1	37	21.48
64QAM	2562.5	21375	15	1	74	21.18
64QAM	2562.5	21375	15	36	0	19.84
64QAM	2562.5	21375	15	36	29	19.82
64QAM	2562.5	21375	15	36	30	19.93
64QAM	2562.5	21375	15	75	0	19.87

No.: SRTC2023-9004(F)-23111502(C)
FCC ID :2AT19-H65162M2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.18
QPSK	2510	20850	20	1	49	23.37
QPSK	2510	20850	20	1	99	22.58
QPSK	2510	20850	20	50	0	22.26
QPSK	2510	20850	20	50	24	22.29
QPSK	2510	20850	20	50	50	22.09
QPSK	2510	20850	20	100	0	22.23
QPSK	2535	21100	20	1	0	22.44
QPSK	2535	21100	20	1	49	22.67
QPSK	2535	21100	20	1	99	22.38
QPSK	2535	21100	20	50	0	21.50
QPSK	2535	21100	20	50	24	21.57
QPSK	2535	21100	20	50	50	21.56
QPSK	2535	21100	20	100	0	21.50
QPSK	2560	21350	20	1	0	22.39
QPSK	2560	21350	20	1	49	23.00
QPSK	2560	21350	20	1	99	22.56
QPSK	2560	21350	20	50	0	21.81
QPSK	2560	21350	20	50	24	21.84
QPSK	2560	21350	20	50	50	21.82
QPSK	2560	21350	20	100	0	21.83

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	22.56
16QAM	2510	20850	20	1	49	22.68
16QAM	2510	20850	20	1	99	22.07
16QAM	2510	20850	20	50	0	21.41
16QAM	2510	20850	20	50	24	21.34
16QAM	2510	20850	20	50	50	21.16
16QAM	2510	20850	20	100	0	21.25
16QAM	2535	21100	20	1	0	21.65
16QAM	2535	21100	20	1	49	21.83
16QAM	2535	21100	20	1	99	21.54
16QAM	2535	21100	20	50	0	20.50
16QAM	2535	21100	20	50	24	20.50
16QAM	2535	21100	20	50	50	20.45
16QAM	2535	21100	20	100	0	20.48
16QAM	2560	21350	20	1	0	21.72
16QAM	2560	21350	20	1	49	22.20
16QAM	2560	21350	20	1	99	21.83
16QAM	2560	21350	20	50	0	20.78
16QAM	2560	21350	20	50	24	20.85
16QAM	2560	21350	20	50	50	20.77
16QAM	2560	21350	20	100	0	20.77
64QAM	2510	20850	20	1	0	21.36
64QAM	2510	20850	20	1	49	21.57
64QAM	2510	20850	20	1	99	20.88
64QAM	2510	20850	20	50	0	20.39
64QAM	2510	20850	20	50	24	20.28
64QAM	2510	20850	20	50	50	20.18
64QAM	2510	20850	20	100	0	20.37
64QAM	2535	21100	20	1	0	20.96
64QAM	2535	21100	20	1	49	21.15
64QAM	2535	21100	20	1	99	20.82
64QAM	2535	21100	20	50	0	19.57
64QAM	2535	21100	20	50	24	19.64
64QAM	2535	21100	20	50	50	19.46
64QAM	2535	21100	20	100	0	19.58
64QAM	2560	21350	20	1	0	20.54
64QAM	2560	21350	20	1	49	21.09
64QAM	2560	21350	20	1	99	20.63
64QAM	2560	21350	20	50	0	19.75
64QAM	2560	21350	20	50	24	19.90
64QAM	2560	21350	20	50	50	19.85
64QAM	2560	21350	20	100	0	19.85

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	4.459	Fig.1
7	QPSK	2535	21100	5	25	0	4.465	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.465	Fig.3
7	QPSK	2505	20800	10	50	0	8.929	Fig.4
7	QPSK	2535	21100	10	50	0	8.944	Fig.5
7	QPSK	2565	21400	10	50	0	8.886	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.387	Fig.7
7	QPSK	2535	21100	15	75	0	13.362	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.381	Fig.9
7	QPSK	2510	20850	20	100	0	17.860	Fig.10
7	QPSK	2535	21100	20	100	0	17.824	Fig.11
7	QPSK	2560	21350	20	100	0	17.807	Fig.12

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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	4.463	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.456	Fig.15
7	16QAM	2505	20800	10	50	0	8.884	Fig.16
7	16QAM	2535	21100	10	50	0	8.879	Fig.17
7	16QAM	2565	21400	10	50	0	8.927	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.383	Fig.19
7	16QAM	2535	21100	15	75	0	13.355	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.375	Fig.21
7	16QAM	2510	20850	20	100	0	17.850	Fig.22
7	16QAM	2535	21100	20	100	0	17.834	Fig.23
7	16QAM	2560	21350	20	100	0	17.884	Fig.24

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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	4.473	Fig.25
7	64QAM	2535	21100	5	25	0	4.467	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.468	Fig.27
7	64QAM	2505	20800	10	50	0	8.948	Fig.28
7	64QAM	2535	21100	10	50	0	8.923	Fig.29
7	64QAM	2565	21400	10	50	0	8.918	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.411	Fig.31
7	64QAM	2535	21100	15	75	0	13.405	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.299	Fig.33
7	64QAM	2510	20850	20	100	0	17.874	Fig.34
7	64QAM	2535	21100	20	100	0	17.889	Fig.35
7	64QAM	2560	21350	20	100	0	17.823	Fig.36

Test Mode: QPSK

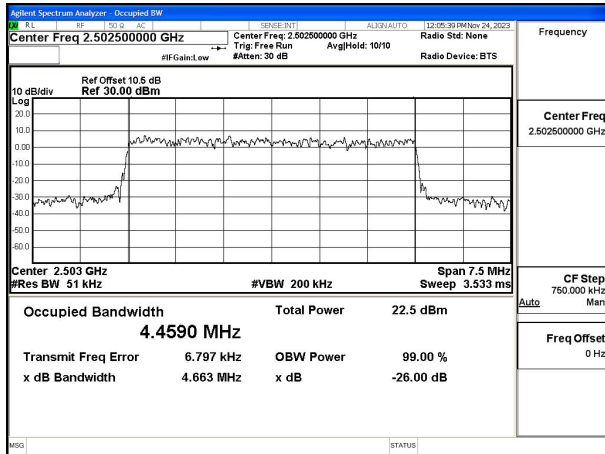


Fig.1

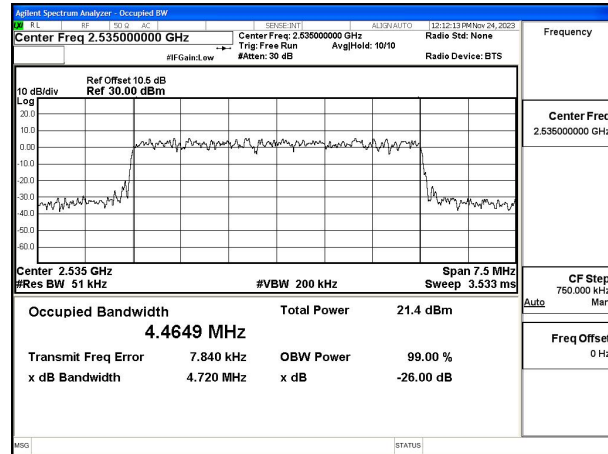


Fig.2

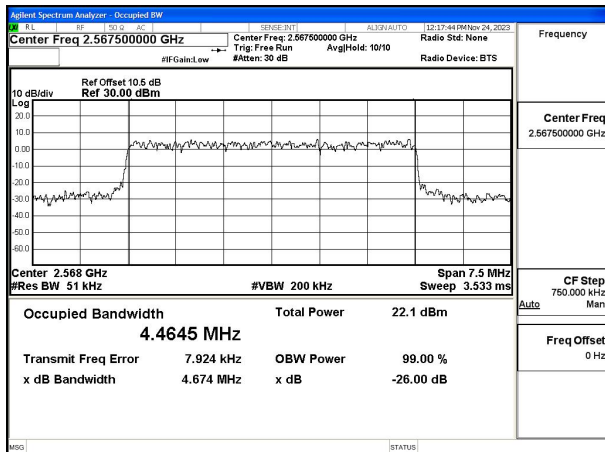


Fig.3

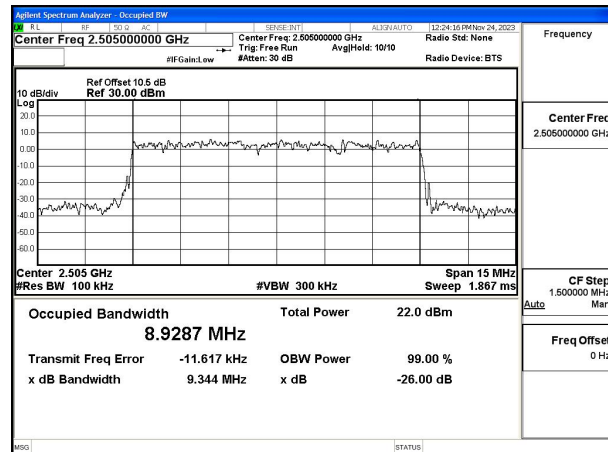


Fig.4

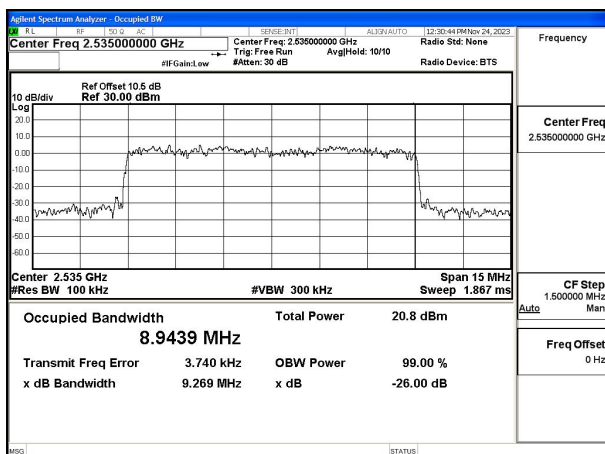


Fig.5

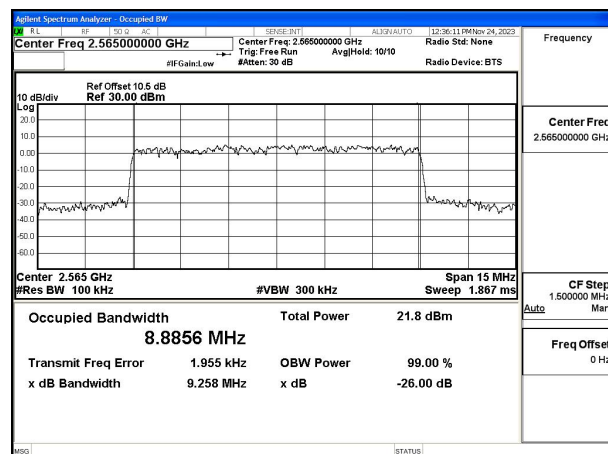


Fig.6

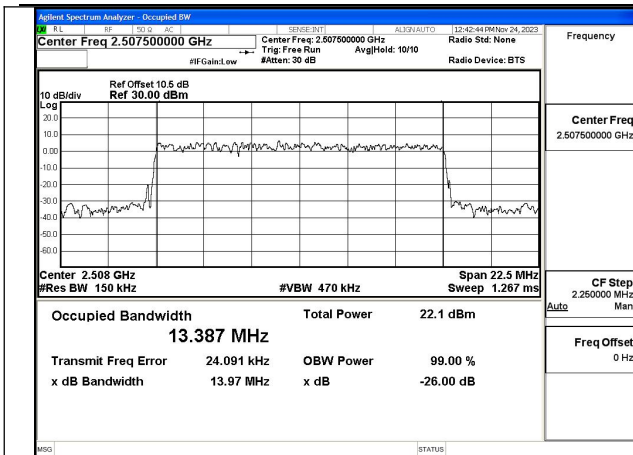


Fig.7

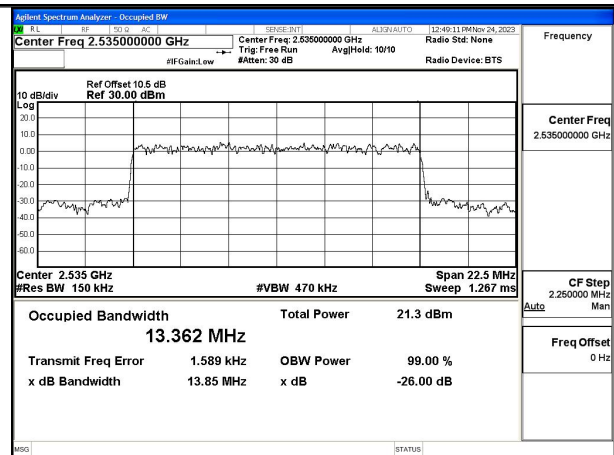


Fig.8

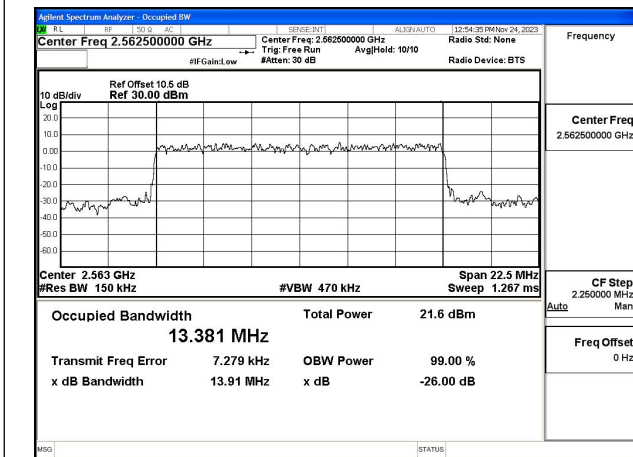


Fig.9

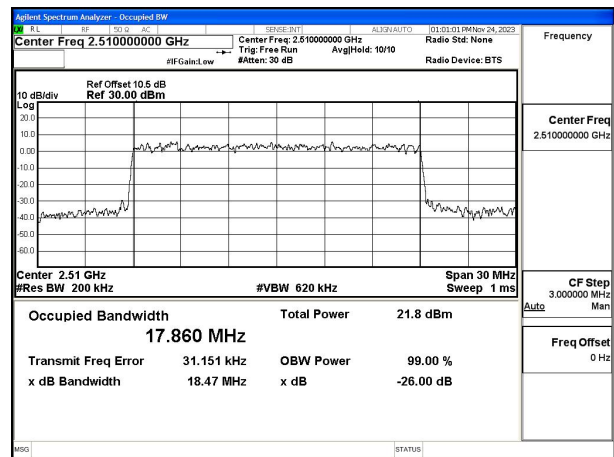


Fig.10

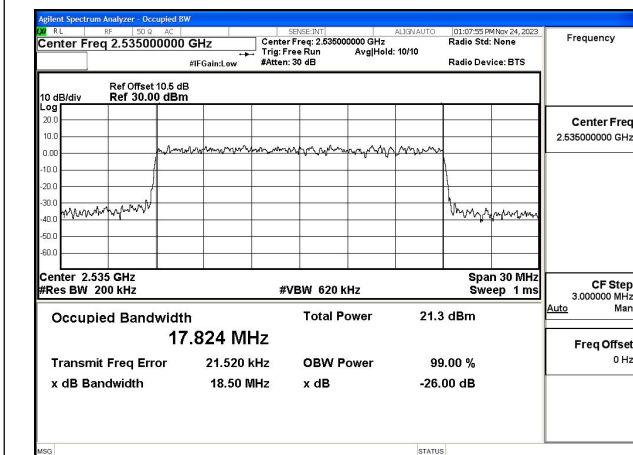


Fig.11

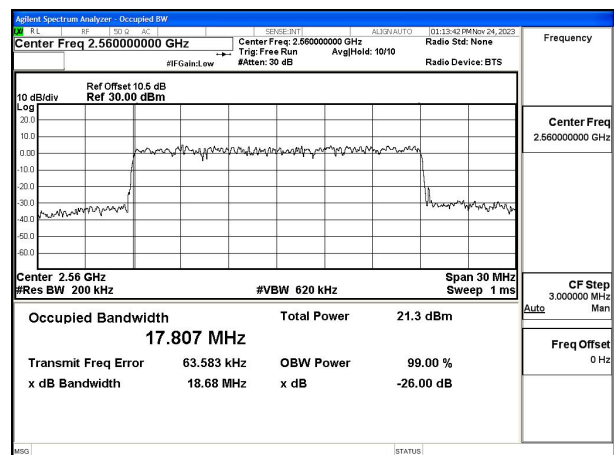


Fig.12

Test Mode: 16QAM

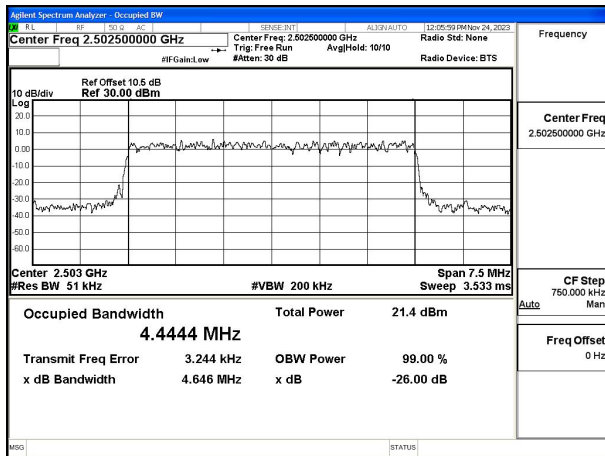


Fig.13

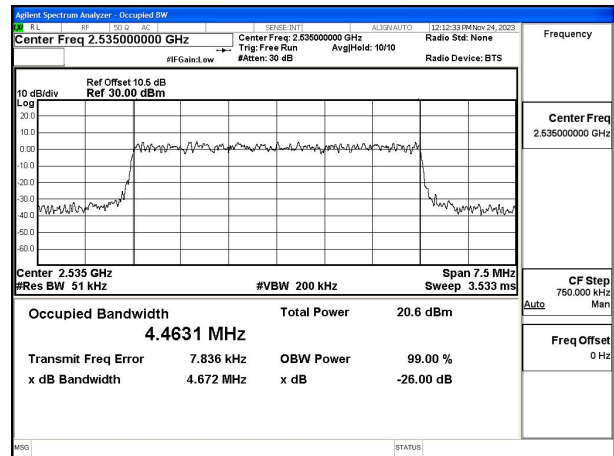


Fig.14

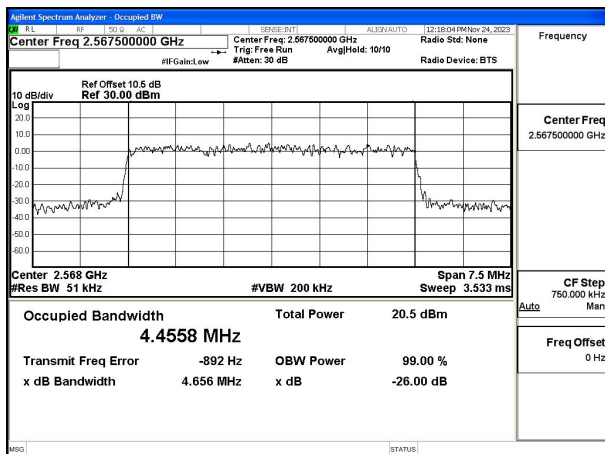


Fig.15

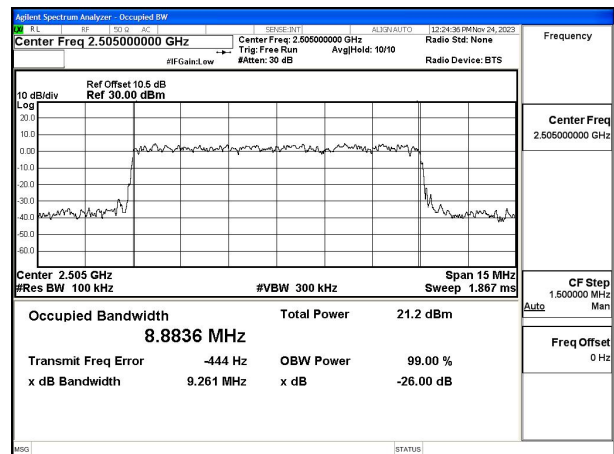


Fig.16

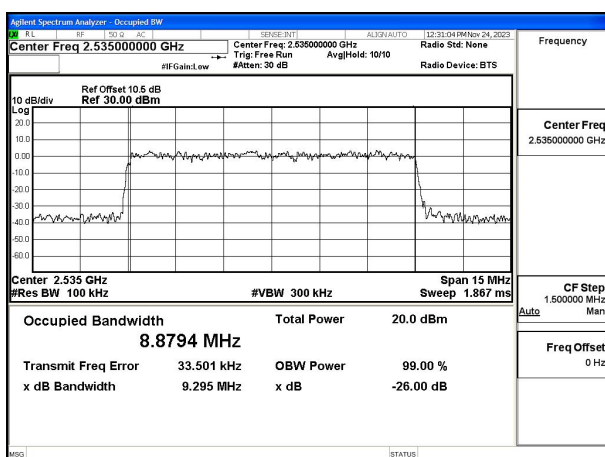


Fig.17

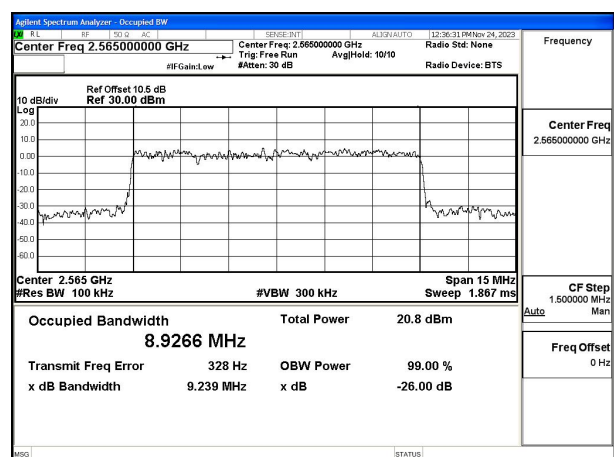


Fig.18

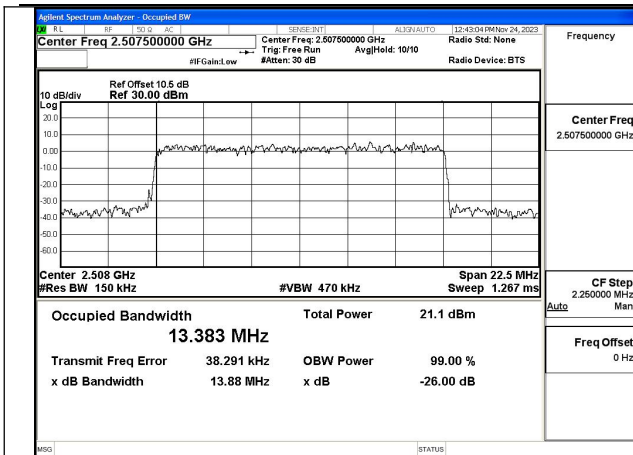


Fig.19

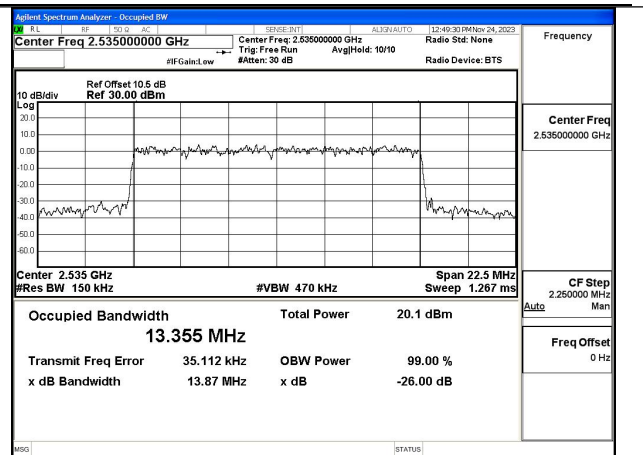


Fig.20

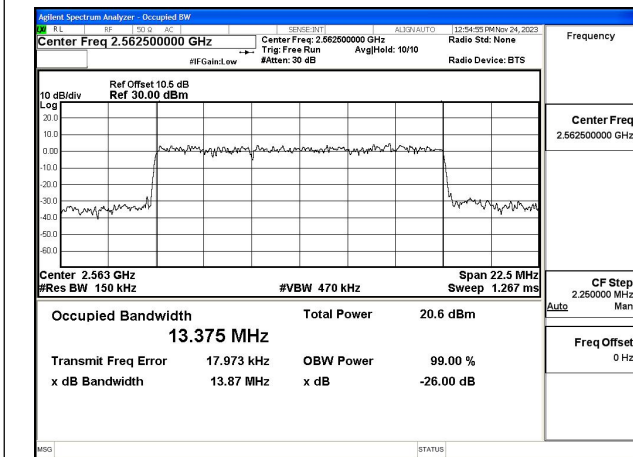


Fig.21

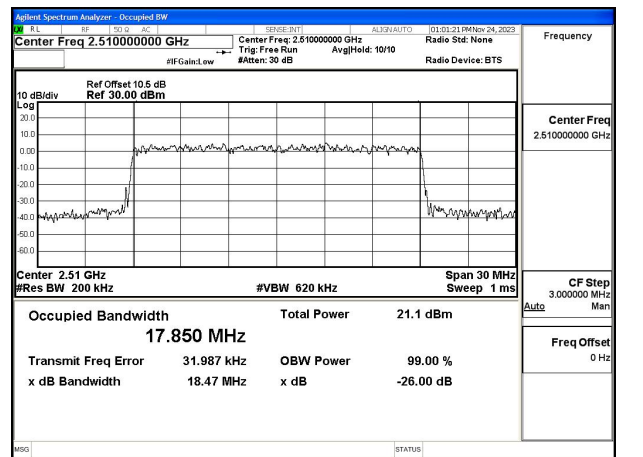


Fig.22

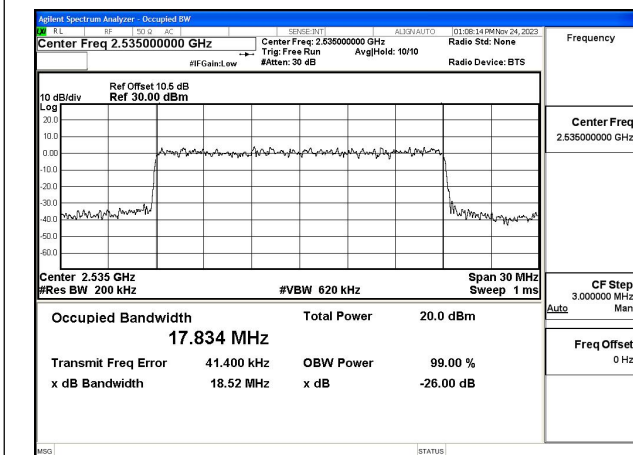


Fig.23

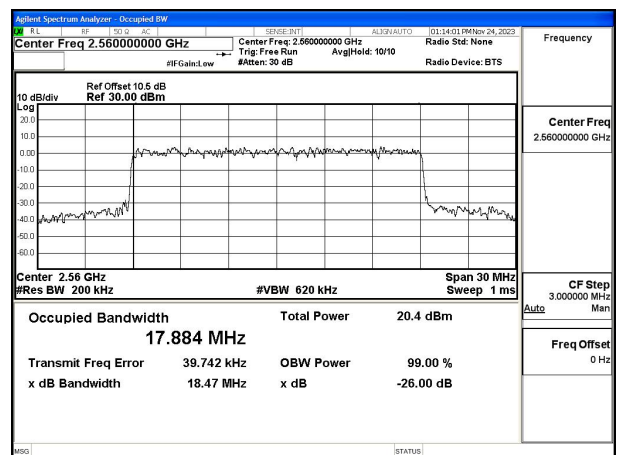


Fig.24

Test Mode: 64QAM

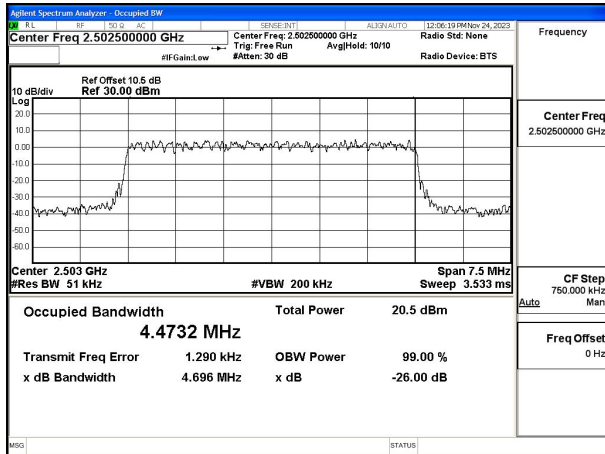


Fig.25

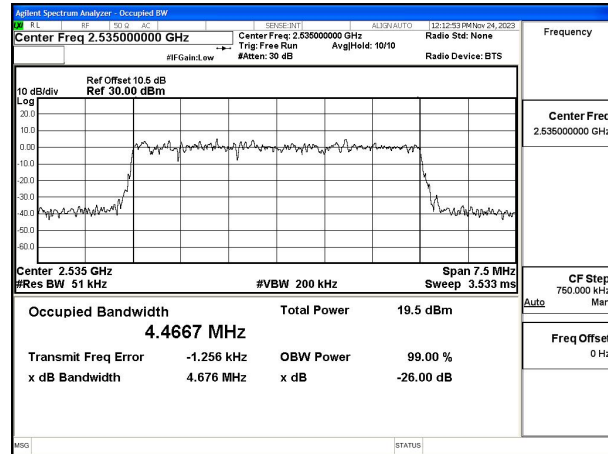


Fig.26

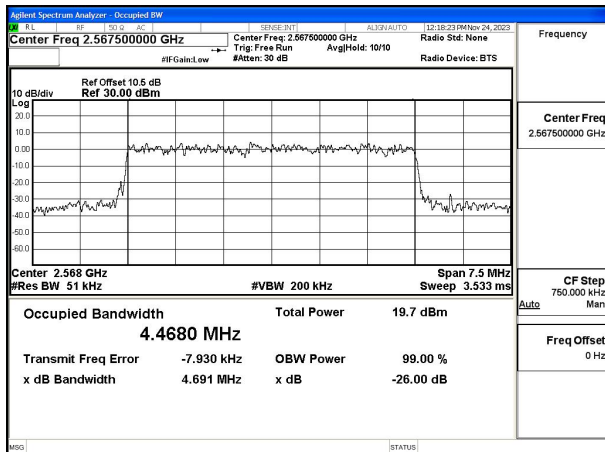


Fig.27

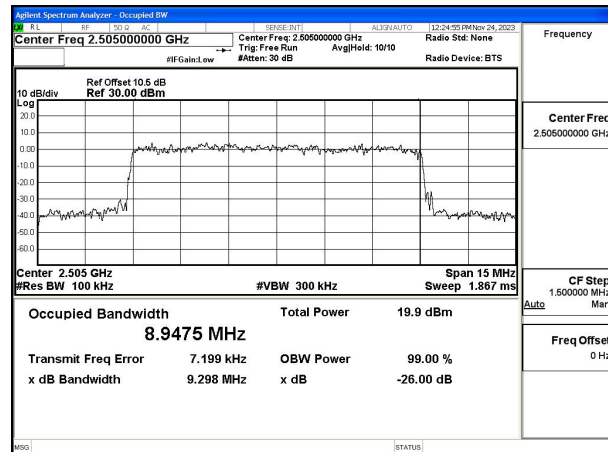


Fig.28

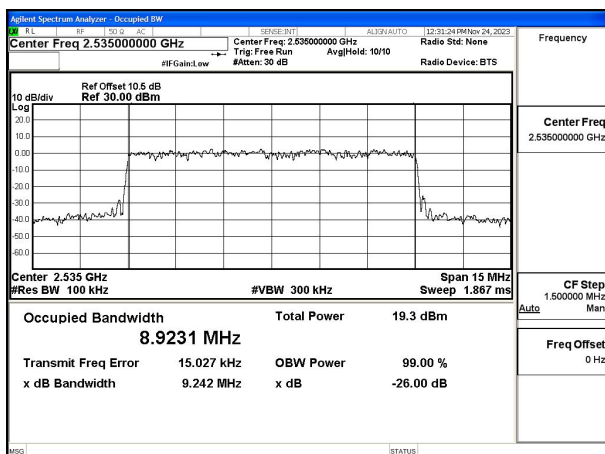


Fig.29

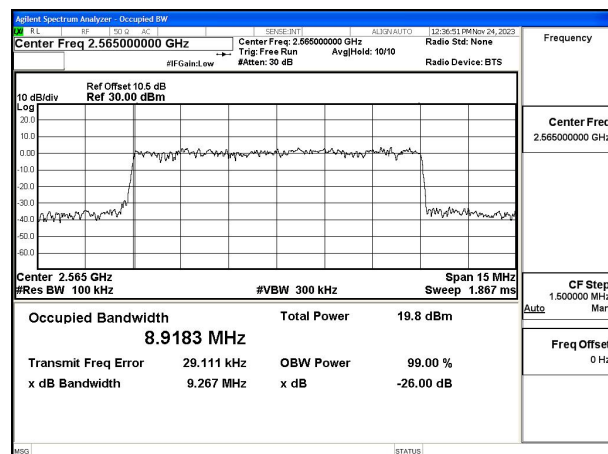


Fig.30

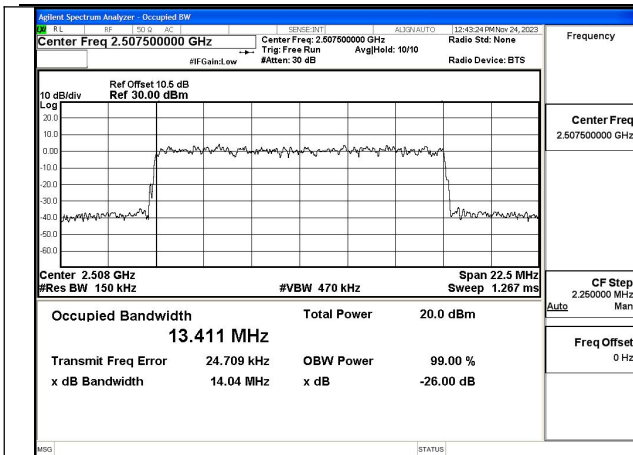


Fig.31

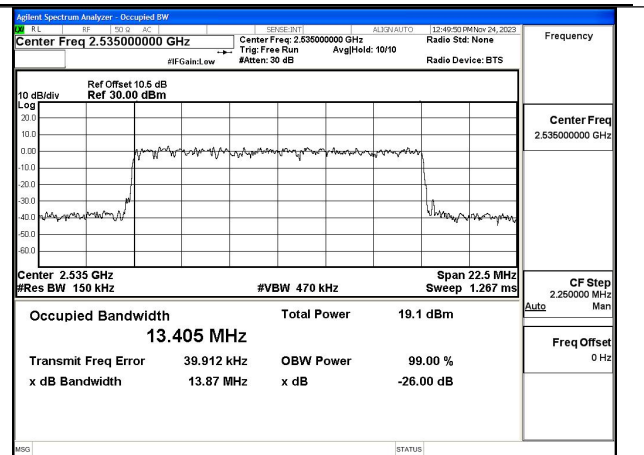


Fig.32

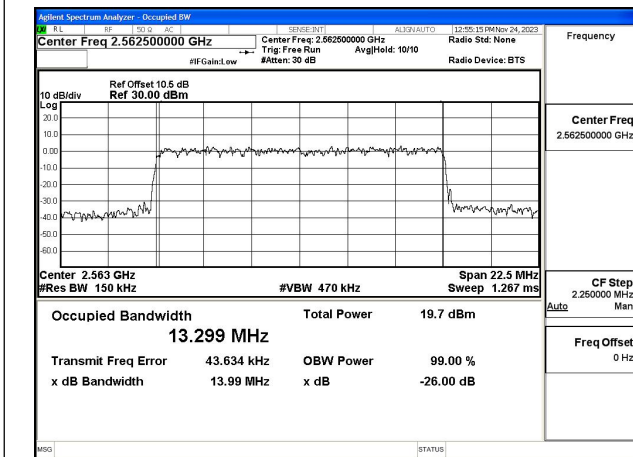


Fig.33

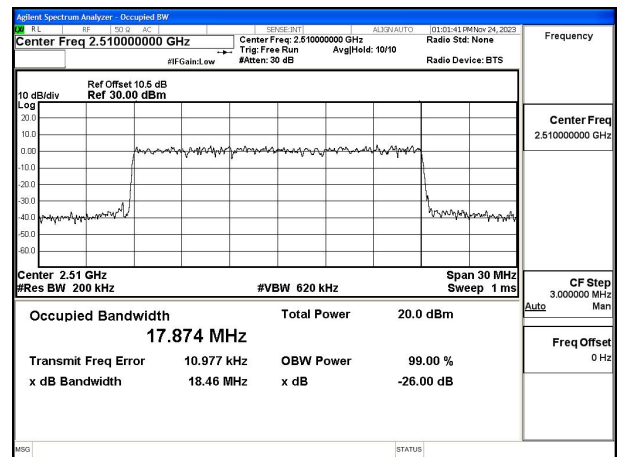


Fig.34

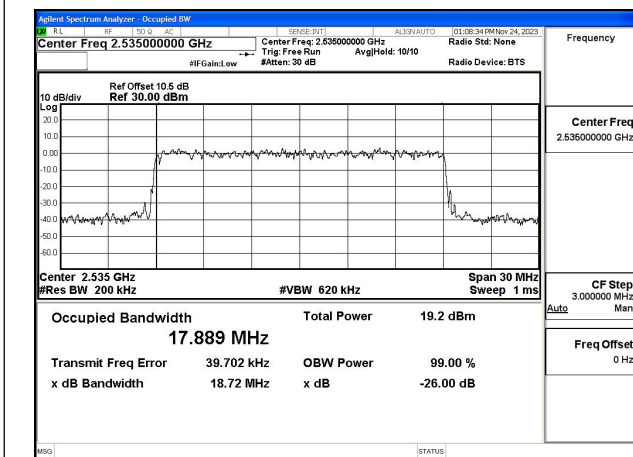


Fig.35

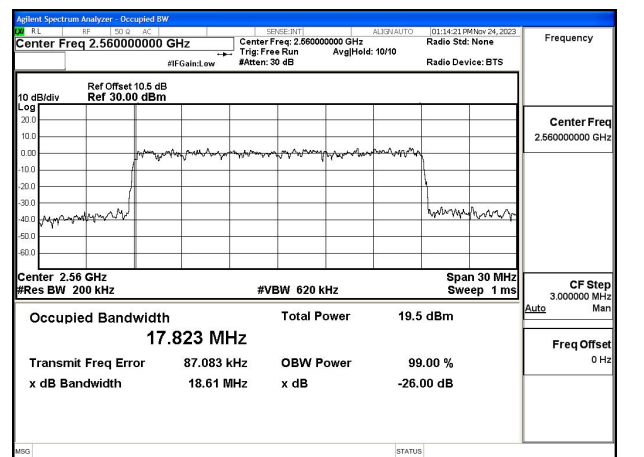


Fig.36

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	4.663	Fig.1
7	QPSK	2535	21100	5	25	0	4.720	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.674	Fig.3
7	QPSK	2505	20800	10	50	0	9.344	Fig.4
7	QPSK	2535	21100	10	50	0	9.269	Fig.5
7	QPSK	2565	21400	10	50	0	9.258	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.970	Fig.7
7	QPSK	2535	21100	15	75	0	13.850	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.912	Fig.9
7	QPSK	2510	20850	20	100	0	18.474	Fig.10
7	QPSK	2535	21100	20	100	0	18.497	Fig.11
7	QPSK	2560	21350	20	100	0	18.684	Fig.12

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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	4.646	Fig.13
7	16QAM	2535	21100	5	25	0	4.672	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.656	Fig.15
7	16QAM	2505	20800	10	50	0	9.261	Fig.16
7	16QAM	2535	21100	10	50	0	9.295	Fig.17
7	16QAM	2565	21400	10	50	0	9.239	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.885	Fig.19
7	16QAM	2535	21100	15	75	0	13.871	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.875	Fig.21
7	16QAM	2510	20850	20	100	0	18.472	Fig.22
7	16QAM	2535	21100	20	100	0	18.524	Fig.23
7	16QAM	2560	21350	20	100	0	18.473	Fig.24

No.: SRTC2023-9004(F)-23111502(C)
FCC ID :2AT19-H65162M2

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	4.696	Fig.25
7	64QAM	2535	21100	5	25	0	4.676	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.691	Fig.27
7	64QAM	2505	20800	10	50	0	9.298	Fig.28
7	64QAM	2535	21100	10	50	0	9.242	Fig.29
7	64QAM	2565	21400	10	50	0	9.267	Fig.30
7	64QAM	2507.5	20825	15	75	0	14.040	Fig.31
7	64QAM	2535	21100	15	75	0	13.875	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.989	Fig.33
7	64QAM	2510	20850	20	100	0	18.464	Fig.34
7	64QAM	2535	21100	20	100	0	18.716	Fig.35
7	64QAM	2560	21350	20	100	0	18.614	Fig.36