

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	24.38
QPSK	2502.5	20775	5	1	12	24.16
QPSK	2502.5	20775	5	1	24	24.19
QPSK	2502.5	20775	5	12	0	23.51
QPSK	2502.5	20775	5	12	7	23.34
QPSK	2502.5	20775	5	12	13	23.39
QPSK	2502.5	20775	5	25	0	23.41
QPSK	2535	21100	5	1	0	24.98
QPSK	2535	21100	5	1	12	24.83
QPSK	2535	21100	5	1	24	24.71
QPSK	2535	21100	5	12	0	23.57
QPSK	2535	21100	5	12	7	23.75
QPSK	2535	21100	5	12	13	23.91
QPSK	2535	21100	5	25	0	23.60
QPSK	2567.5	21425	5	1	0	24.65
QPSK	2567.5	21425	5	1	12	25.07
QPSK	2567.5	21425	5	1	24	24.79
QPSK	2567.5	21425	5	12	0	23.95
QPSK	2567.5	21425	5	12	7	23.69
QPSK	2567.5	21425	5	12	13	23.94
QPSK	2567.5	21425	5	25	0	23.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	24.09
16QAM	2502.5	20775	5	1	12	23.96
16QAM	2502.5	20775	5	1	24	23.73
16QAM	2502.5	20775	5	12	0	22.65
16QAM	2502.5	20775	5	12	7	22.46
16QAM	2502.5	20775	5	12	13	22.52
16QAM	2502.5	20775	5	25	0	22.40
16QAM	2535	21100	5	1	0	24.01
16QAM	2535	21100	5	1	12	23.92
16QAM	2535	21100	5	1	24	23.86
16QAM	2535	21100	5	12	0	22.77
16QAM	2535	21100	5	12	7	22.69
16QAM	2535	21100	5	12	13	22.54
16QAM	2535	21100	5	25	0	22.75
16QAM	2567.5	21425	5	1	0	24.66
16QAM	2567.5	21425	5	1	12	24.60
16QAM	2567.5	21425	5	1	24	24.52
16QAM	2567.5	21425	5	12	0	23.16
16QAM	2567.5	21425	5	12	7	22.68
16QAM	2567.5	21425	5	12	13	22.85
16QAM	2567.5	21425	5	25	0	22.60
64QAM	2502.5	20775	5	1	0	22.44
64QAM	2502.5	20775	5	1	12	22.19
64QAM	2502.5	20775	5	1	24	22.25
64QAM	2502.5	20775	5	12	0	21.09
64QAM	2502.5	20775	5	12	7	21.05
64QAM	2502.5	20775	5	12	13	20.98
64QAM	2502.5	20775	5	25	0	20.86
64QAM	2535	21100	5	1	0	22.81
64QAM	2535	21100	5	1	12	22.44
64QAM	2535	21100	5	1	24	22.60
64QAM	2535	21100	5	12	0	21.21
64QAM	2535	21100	5	12	7	21.20
64QAM	2535	21100	5	12	13	21.21
64QAM	2535	21100	5	25	0	21.16
64QAM	2567.5	21425	5	1	0	22.56
64QAM	2567.5	21425	5	1	12	22.72
64QAM	2567.5	21425	5	1	24	22.28
64QAM	2567.5	21425	5	12	0	21.38
64QAM	2567.5	21425	5	12	7	21.38
64QAM	2567.5	21425	5	12	13	21.47
64QAM	2567.5	21425	5	25	0	21.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	25.07
QPSK	2505	20800	10	1	25	24.58
QPSK	2505	20800	10	1	49	24.64
QPSK	2505	20800	10	25	0	23.59
QPSK	2505	20800	10	25	12	23.55
QPSK	2505	20800	10	25	25	23.59
QPSK	2505	20800	10	50	0	23.42
QPSK	2535	21100	10	1	0	24.78
QPSK	2535	21100	10	1	25	24.65
QPSK	2535	21100	10	1	49	24.68
QPSK	2535	21100	10	25	0	23.96
QPSK	2535	21100	10	25	12	23.84
QPSK	2535	21100	10	25	25	23.68
QPSK	2535	21100	10	50	0	23.65
QPSK	2565	21400	10	1	0	24.97
QPSK	2565	21400	10	1	25	24.93
QPSK	2565	21400	10	1	49	25.11
QPSK	2565	21400	10	25	0	23.68
QPSK	2565	21400	10	25	12	23.78
QPSK	2565	21400	10	25	25	23.87
QPSK	2565	21400	10	50	0	23.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	23.91
16QAM	2505	20800	10	1	25	24.47
16QAM	2505	20800	10	1	49	24.48
16QAM	2505	20800	10	25	0	22.63
16QAM	2505	20800	10	25	12	22.56
16QAM	2505	20800	10	25	25	22.62
16QAM	2505	20800	10	50	0	22.61
16QAM	2535	21100	10	1	0	24.16
16QAM	2535	21100	10	1	25	24.33
16QAM	2535	21100	10	1	49	24.20
16QAM	2535	21100	10	25	0	22.66
16QAM	2535	21100	10	25	12	22.64
16QAM	2535	21100	10	25	25	22.68
16QAM	2535	21100	10	50	0	22.68
16QAM	2565	21400	10	1	0	23.98
16QAM	2565	21400	10	1	25	24.28
16QAM	2565	21400	10	1	49	24.02
16QAM	2565	21400	10	25	0	22.99
16QAM	2565	21400	10	25	12	23.05
16QAM	2565	21400	10	25	25	22.98
16QAM	2565	21400	10	50	0	22.78
64QAM	2505	20800	10	1	0	22.24
64QAM	2505	20800	10	1	25	22.66
64QAM	2505	20800	10	1	49	22.79
64QAM	2505	20800	10	25	0	21.27
64QAM	2505	20800	10	25	12	21.06
64QAM	2505	20800	10	25	25	21.32
64QAM	2505	20800	10	50	0	21.41
64QAM	2535	21100	10	1	0	22.73
64QAM	2535	21100	10	1	25	22.79
64QAM	2535	21100	10	1	49	22.91
64QAM	2535	21100	10	25	0	21.45
64QAM	2535	21100	10	25	12	21.39
64QAM	2535	21100	10	25	25	21.54
64QAM	2535	21100	10	50	0	21.48
64QAM	2565	21400	10	1	0	23.02
64QAM	2565	21400	10	1	25	23.49
64QAM	2565	21400	10	1	49	22.92
64QAM	2565	21400	10	25	0	21.33
64QAM	2565	21400	10	25	12	21.43
64QAM	2565	21400	10	25	25	21.26
64QAM	2565	21400	10	50	0	21.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	24.84
QPSK	2507.5	20825	15	1	37	24.76
QPSK	2507.5	20825	15	1	74	24.60
QPSK	2507.5	20825	15	36	0	23.68
QPSK	2507.5	20825	15	36	29	23.71
QPSK	2507.5	20825	15	36	30	23.56
QPSK	2507.5	20825	15	75	0	23.57
QPSK	2535	21100	15	1	0	24.98
QPSK	2535	21100	15	1	37	25.01
QPSK	2535	21100	15	1	74	24.81
QPSK	2535	21100	15	36	0	23.68
QPSK	2535	21100	15	36	29	23.69
QPSK	2535	21100	15	36	30	23.82
QPSK	2535	21100	15	75	0	23.96
QPSK	2562.5	21375	15	1	0	25.02
QPSK	2562.5	21375	15	1	37	24.99
QPSK	2562.5	21375	15	1	74	25.12
QPSK	2562.5	21375	15	36	0	23.82
QPSK	2562.5	21375	15	36	29	23.72
QPSK	2562.5	21375	15	36	30	23.70
QPSK	2562.5	21375	15	75	0	23.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	24.80
16QAM	2507.5	20825	15	1	37	24.30
16QAM	2507.5	20825	15	1	74	24.03
16QAM	2507.5	20825	15	36	0	22.52
16QAM	2507.5	20825	15	36	29	22.69
16QAM	2507.5	20825	15	36	30	22.67
16QAM	2507.5	20825	15	75	0	22.68
16QAM	2535	21100	15	1	0	24.57
16QAM	2535	21100	15	1	37	24.10
16QAM	2535	21100	15	1	74	23.97
16QAM	2535	21100	15	36	0	22.71
16QAM	2535	21100	15	36	29	22.88
16QAM	2535	21100	15	36	30	22.93
16QAM	2535	21100	15	75	0	22.71
16QAM	2562.5	21375	15	1	0	23.85
16QAM	2562.5	21375	15	1	37	24.63
16QAM	2562.5	21375	15	1	74	24.33
16QAM	2562.5	21375	15	36	0	22.77
16QAM	2562.5	21375	15	36	29	22.62
16QAM	2562.5	21375	15	36	30	22.81
16QAM	2562.5	21375	15	75	0	22.84
64QAM	2507.5	20825	15	1	0	22.53
64QAM	2507.5	20825	15	1	37	23.24
64QAM	2507.5	20825	15	1	74	22.84
64QAM	2507.5	20825	15	36	0	21.45
64QAM	2507.5	20825	15	36	29	20.84
64QAM	2507.5	20825	15	36	30	21.57
64QAM	2507.5	20825	15	75	0	21.43
64QAM	2535	21100	15	1	0	23.11
64QAM	2535	21100	15	1	37	23.00
64QAM	2535	21100	15	1	74	23.06
64QAM	2535	21100	15	36	0	21.31
64QAM	2535	21100	15	36	29	21.45
64QAM	2535	21100	15	36	30	21.44
64QAM	2535	21100	15	75	0	21.52
64QAM	2562.5	21375	15	1	0	22.57
64QAM	2562.5	21375	15	1	37	22.74
64QAM	2562.5	21375	15	1	74	22.70
64QAM	2562.5	21375	15	36	0	21.29
64QAM	2562.5	21375	15	36	29	21.45
64QAM	2562.5	21375	15	36	30	21.45
64QAM	2562.5	21375	15	75	0	21.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	24.92
QPSK	2510	20850	20	1	49	24.89
QPSK	2510	20850	20	1	99	24.56
QPSK	2510	20850	20	50	0	23.77
QPSK	2510	20850	20	50	24	23.75
QPSK	2510	20850	20	50	50	23.40
QPSK	2510	20850	20	100	0	23.57
QPSK	2535	21100	20	1	0	24.71
QPSK	2535	21100	20	1	49	24.70
QPSK	2535	21100	20	1	99	24.64
QPSK	2535	21100	20	50	0	23.74
QPSK	2535	21100	20	50	24	23.61
QPSK	2535	21100	20	50	50	23.58
QPSK	2535	21100	20	100	0	23.76
QPSK	2560	21350	20	1	0	25.12
QPSK	2560	21350	20	1	49	24.85
QPSK	2560	21350	20	1	99	25.04
QPSK	2560	21350	20	50	0	23.69
QPSK	2560	21350	20	50	24	23.68
QPSK	2560	21350	20	50	50	23.69
QPSK	2560	21350	20	100	0	23.85

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	23.83
16QAM	2510	20850	20	1	49	23.98
16QAM	2510	20850	20	1	99	23.94
16QAM	2510	20850	20	50	0	22.70
16QAM	2510	20850	20	50	24	22.78
16QAM	2510	20850	20	50	50	22.53
16QAM	2510	20850	20	100	0	22.68
16QAM	2535	21100	20	1	0	24.80
16QAM	2535	21100	20	1	49	23.85
16QAM	2535	21100	20	1	99	24.29
16QAM	2535	21100	20	50	0	22.90
16QAM	2535	21100	20	50	24	22.75
16QAM	2535	21100	20	50	50	22.71
16QAM	2535	21100	20	100	0	22.72
16QAM	2560	21350	20	1	0	24.51
16QAM	2560	21350	20	1	49	23.85
16QAM	2560	21350	20	1	99	24.13
16QAM	2560	21350	20	50	0	22.95
16QAM	2560	21350	20	50	24	22.68
16QAM	2560	21350	20	50	50	22.73
16QAM	2560	21350	20	100	0	22.89
64QAM	2510	20850	20	1	0	23.28
64QAM	2510	20850	20	1	49	22.76
64QAM	2510	20850	20	1	99	22.91
64QAM	2510	20850	20	50	0	21.66
64QAM	2510	20850	20	50	24	21.65
64QAM	2510	20850	20	50	50	21.12
64QAM	2510	20850	20	100	0	21.26
64QAM	2535	21100	20	1	0	23.50
64QAM	2535	21100	20	1	49	22.93
64QAM	2535	21100	20	1	99	23.29
64QAM	2535	21100	20	50	0	21.66
64QAM	2535	21100	20	50	24	21.76
64QAM	2535	21100	20	50	50	21.33
64QAM	2535	21100	20	100	0	21.43
64QAM	2560	21350	20	1	0	23.03
64QAM	2560	21350	20	1	49	22.65
64QAM	2560	21350	20	1	99	22.48
64QAM	2560	21350	20	50	0	21.61
64QAM	2560	21350	20	50	24	21.46
64QAM	2560	21350	20	50	50	21.47
64QAM	2560	21350	20	100	0	21.25

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	4.46	Fig.1
7	QPSK	2535	21100	5	25	0	4.46	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.46	Fig.3
7	QPSK	2505	20800	10	50	0	8.92	Fig.4
7	QPSK	2535	21100	10	50	0	8.93	Fig.5
7	QPSK	2565	21400	10	50	0	8.92	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.36	Fig.7
7	QPSK	2535	21100	15	75	0	13.35	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.35	Fig.9
7	QPSK	2510	20850	20	100	0	17.84	Fig.10
7	QPSK	2535	21100	20	100	0	17.84	Fig.11
7	QPSK	2560	21350	20	100	0	17.84	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	4.46	Fig.13
7	16QAM	2535	21100	5	25	0	4.45	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.46	Fig.15
7	16QAM	2505	20800	10	50	0	8.92	Fig.16
7	16QAM	2535	21100	10	50	0	8.90	Fig.17
7	16QAM	2565	21400	10	50	0	8.91	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.38	Fig.19
7	16QAM	2535	21100	15	75	0	13.36	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.35	Fig.21
7	16QAM	2510	20850	20	100	0	17.82	Fig.22
7	16QAM	2535	21100	20	100	0	17.83	Fig.23
7	16QAM	2560	21350	20	100	0	17.83	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	4.46	Fig.25
7	64QAM	2535	21100	5	25	0	4.46	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.47	Fig.27
7	64QAM	2505	20800	10	50	0	8.92	Fig.28
7	64QAM	2535	21100	10	50	0	8.92	Fig.29
7	64QAM	2565	21400	10	50	0	8.92	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.38	Fig.31
7	64QAM	2535	21100	15	75	0	13.38	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.39	Fig.33
7	64QAM	2510	20850	20	100	0	17.84	Fig.34
7	64QAM	2535	21100	20	100	0	17.82	Fig.35
7	64QAM	2560	21350	20	100	0	17.85	Fig.36

Test Mode: QPSK

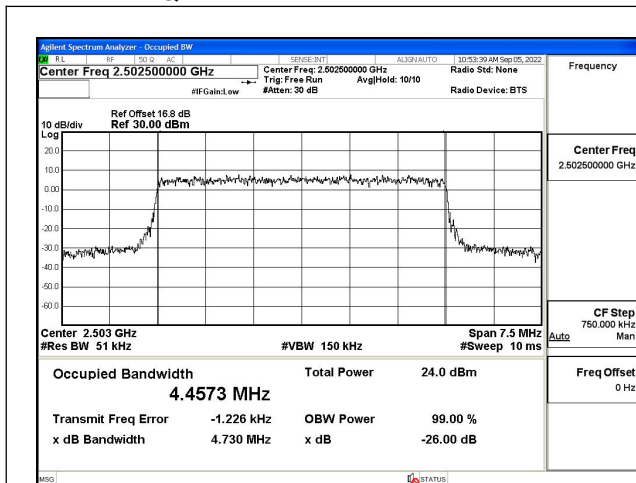


Fig.1

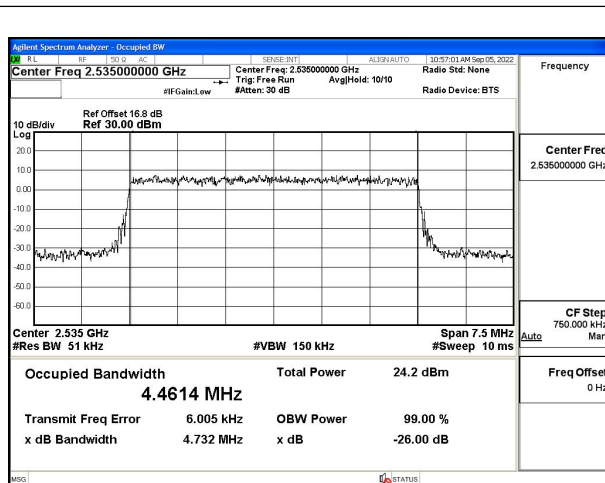


Fig.2

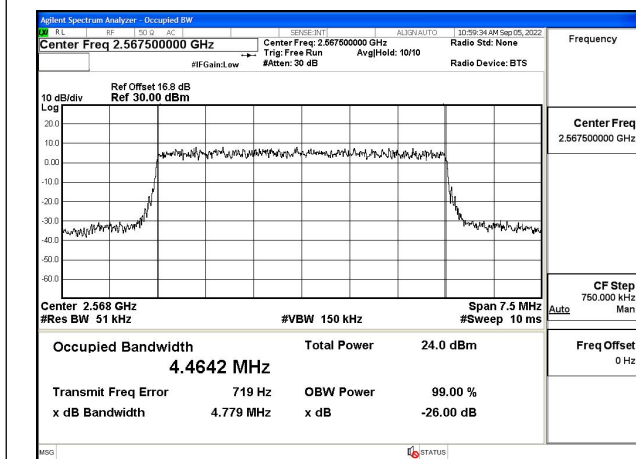


Fig.3

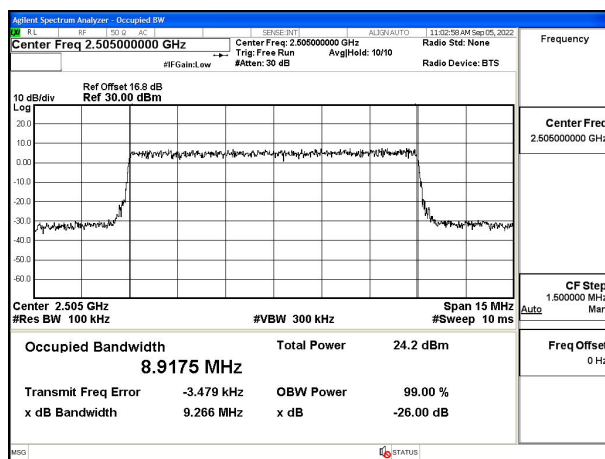


Fig.4

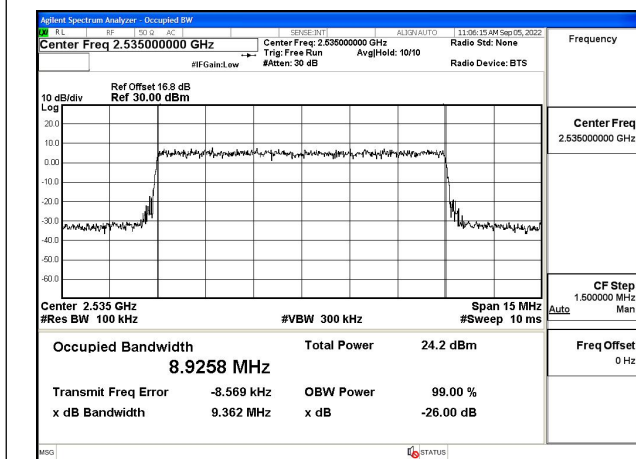


Fig.5

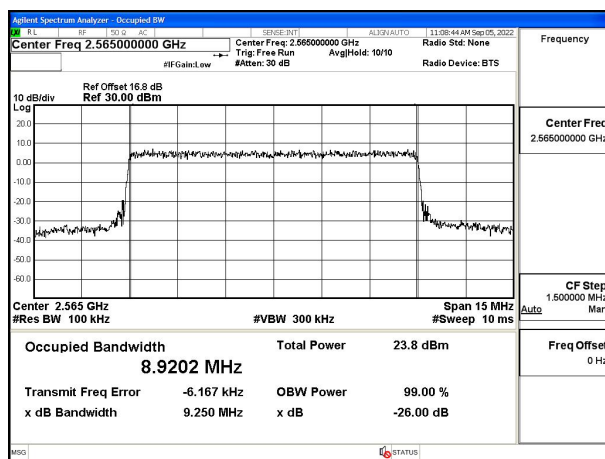


Fig.6

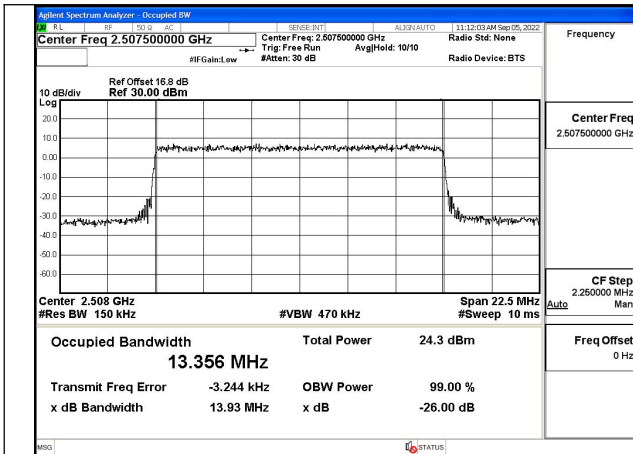


Fig.7

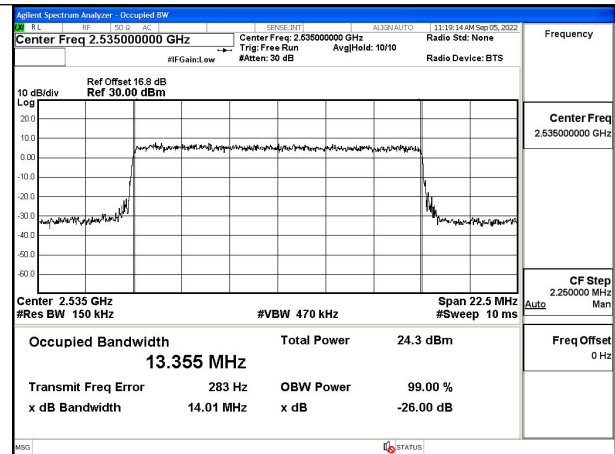


Fig.8

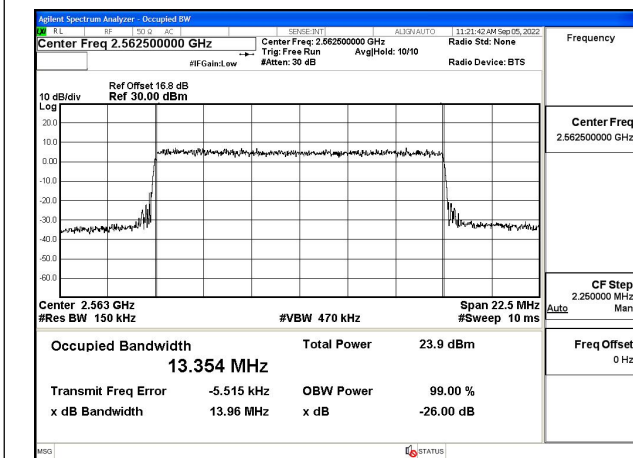


Fig.9

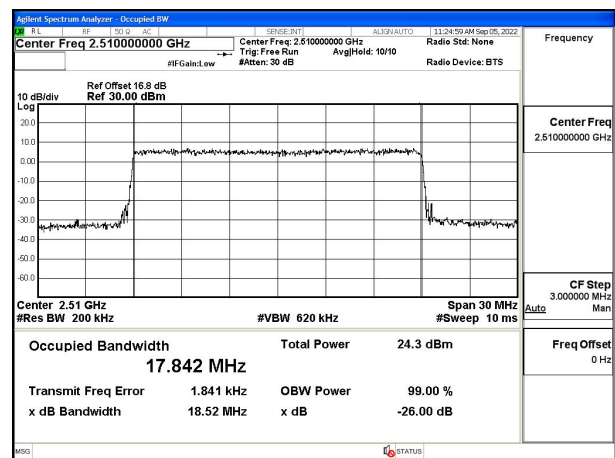


Fig.10

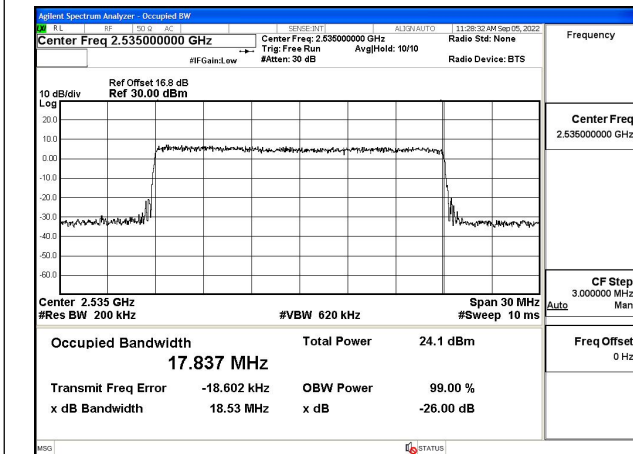


Fig.11

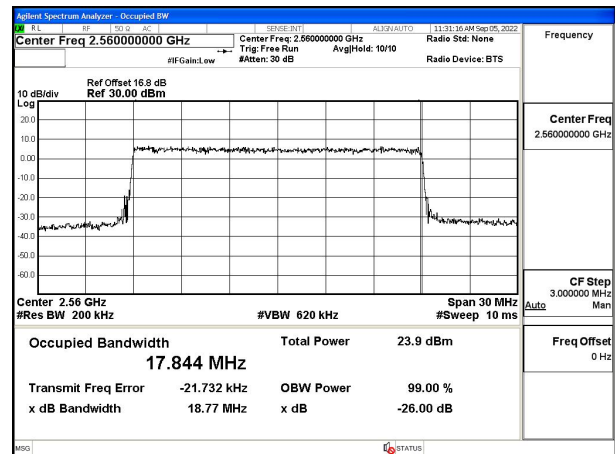


Fig.12

Test Mode: 16QAM

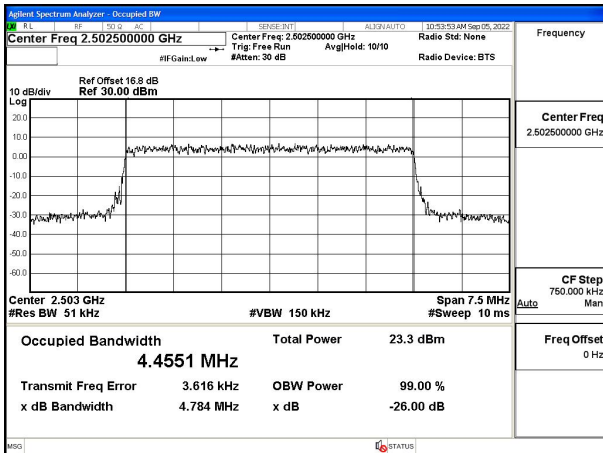


Fig.13

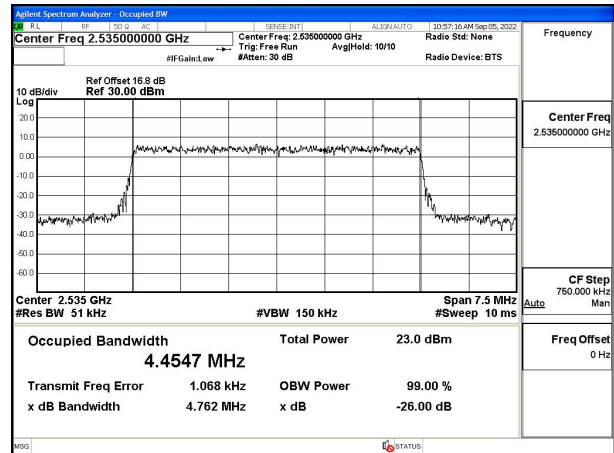


Fig.14

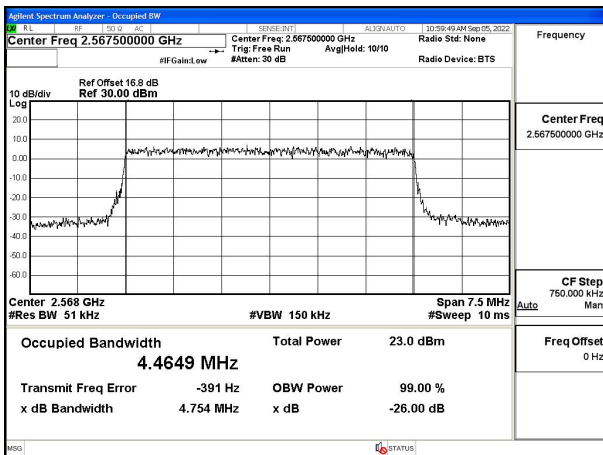


Fig.15

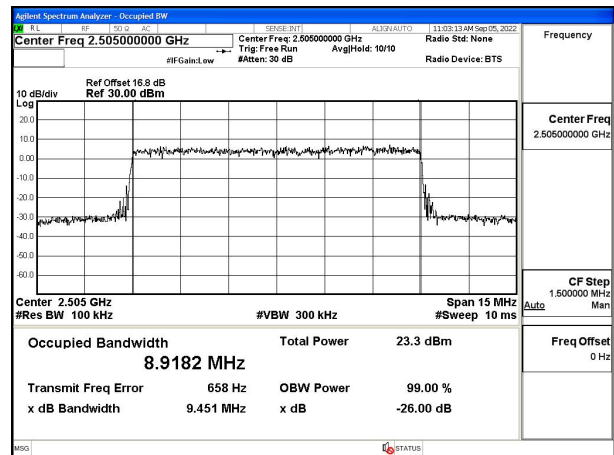


Fig.16

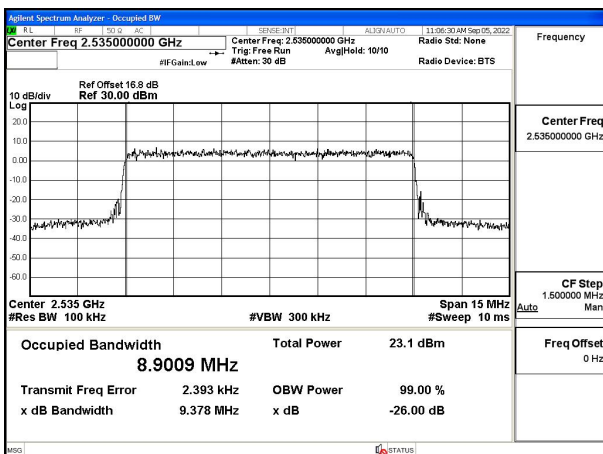


Fig.17

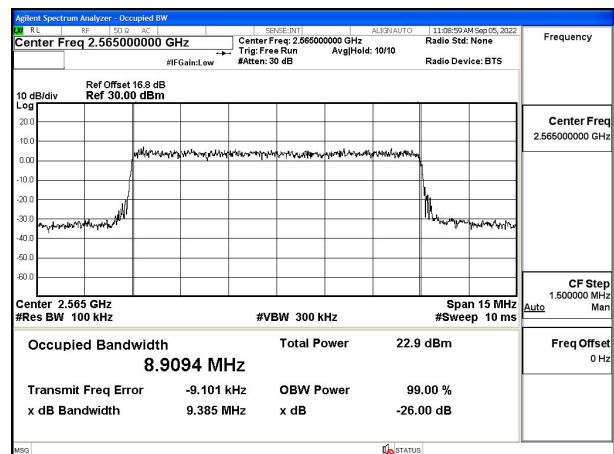


Fig.18

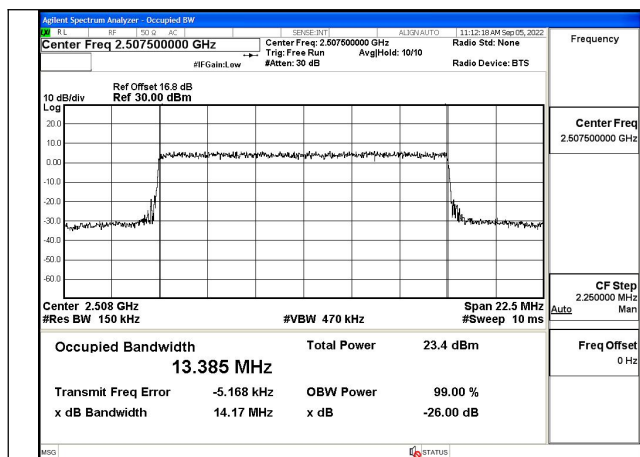


Fig.19

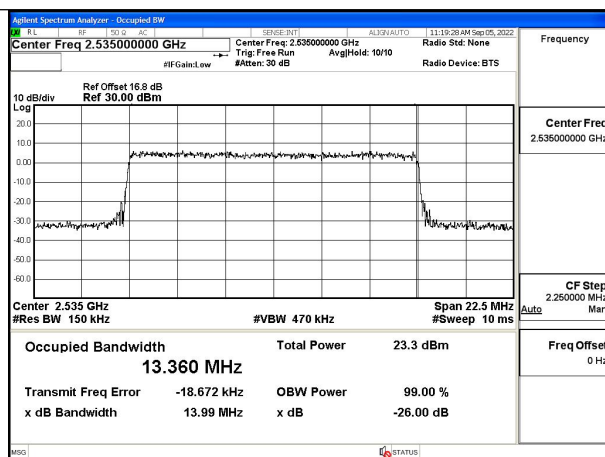


Fig.20

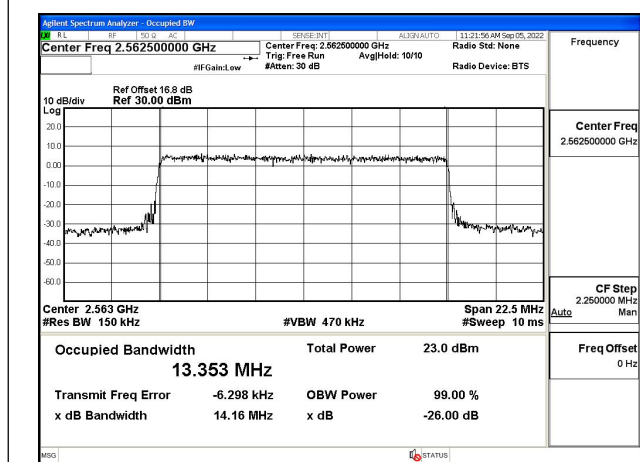


Fig.21

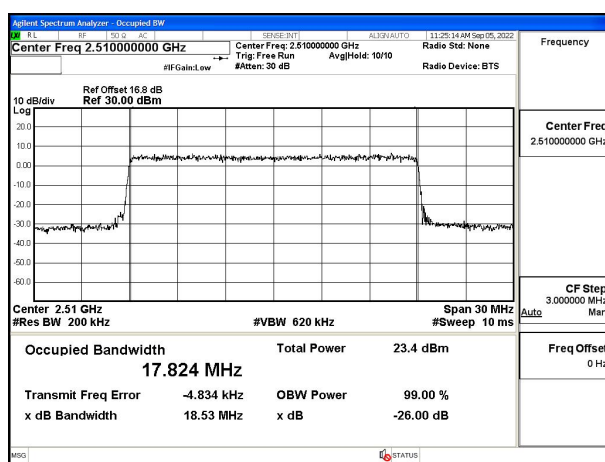


Fig.22

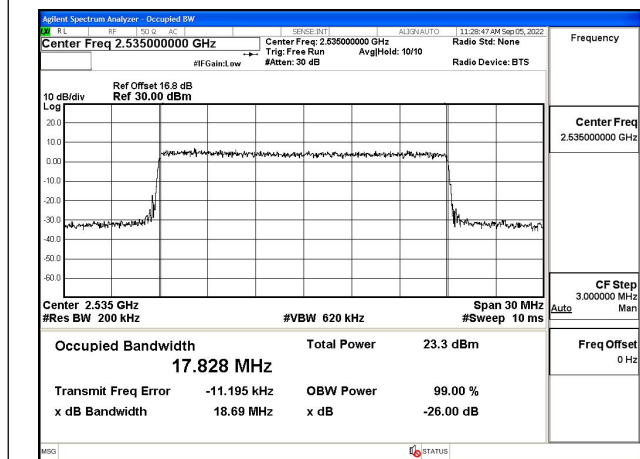


Fig.23

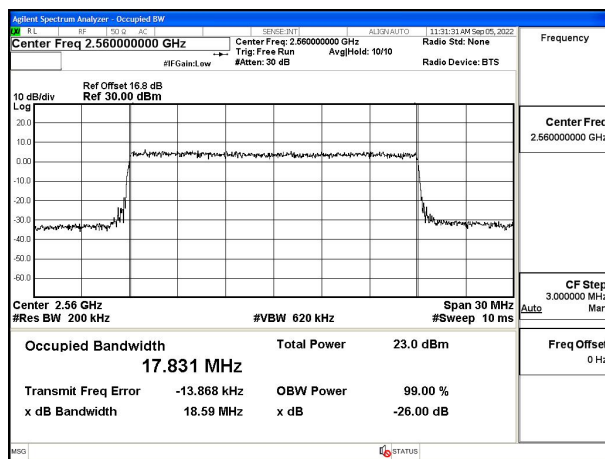


Fig.24

Test Mode: 64QAM

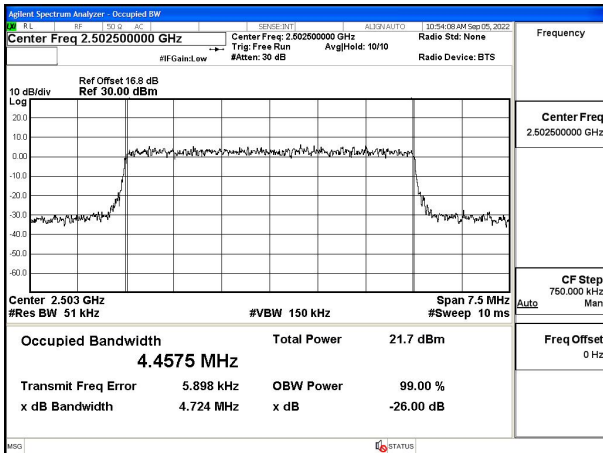


Fig.25

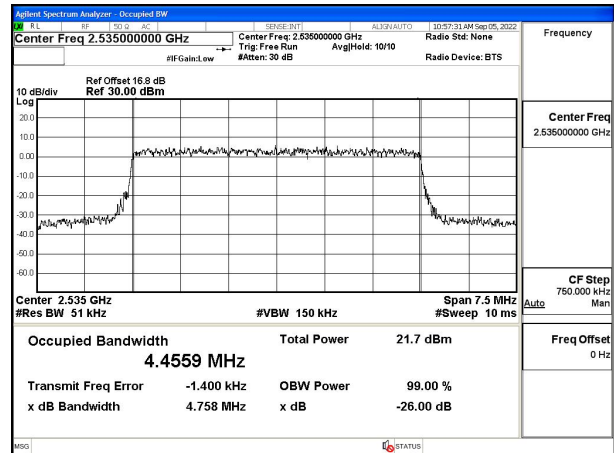


Fig.26

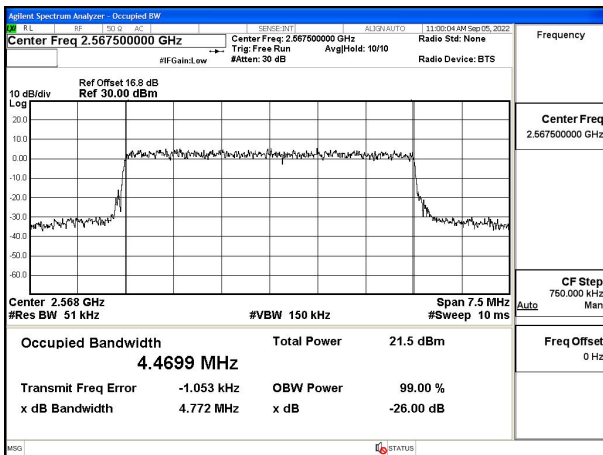


Fig.27

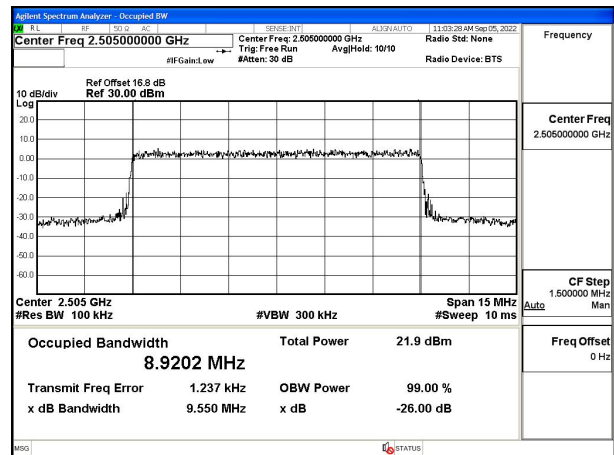


Fig.28

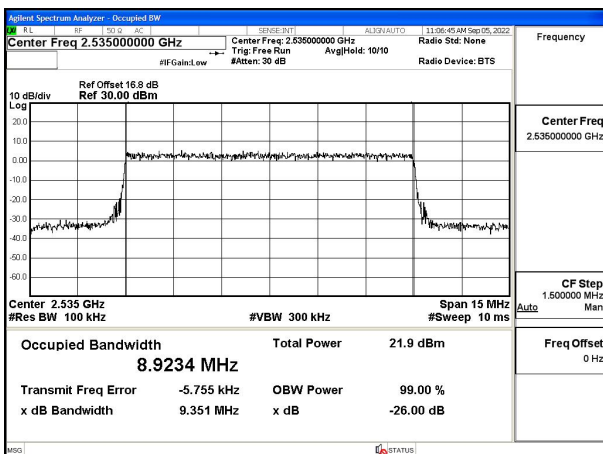


Fig.29

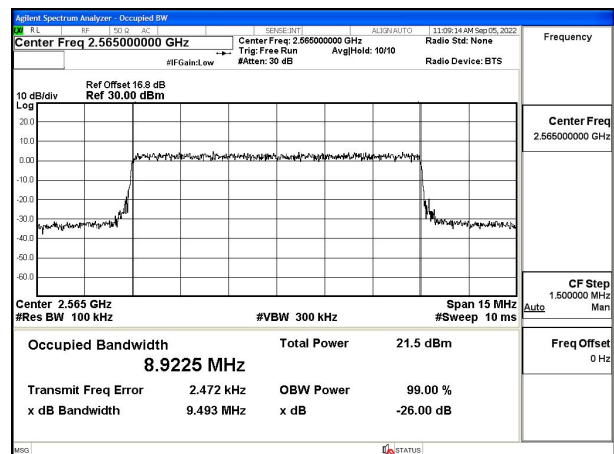


Fig.30

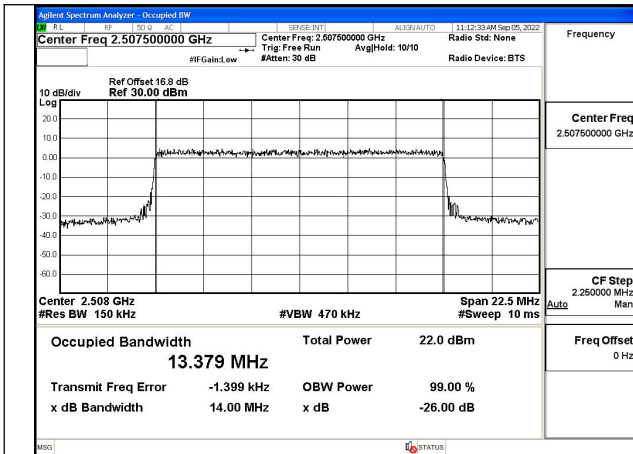


Fig.31

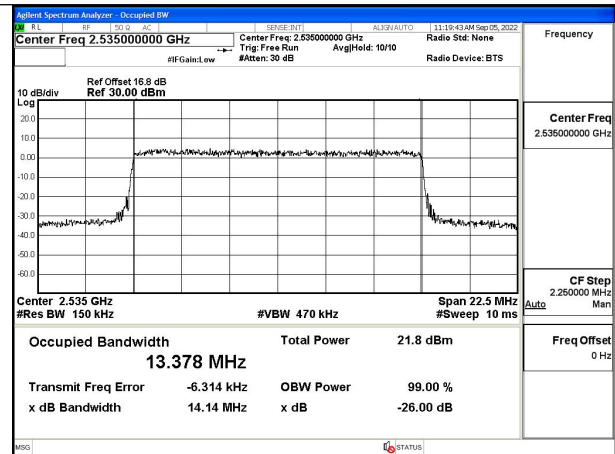


Fig.32

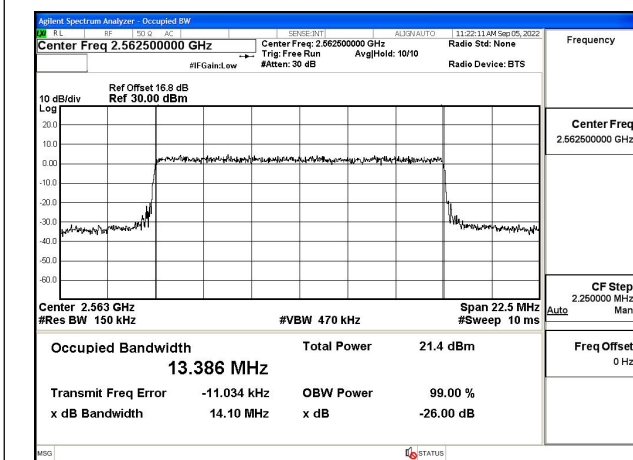


Fig.33

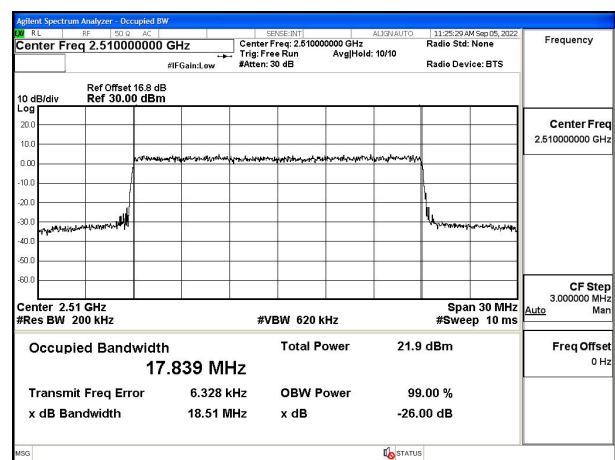


Fig.34

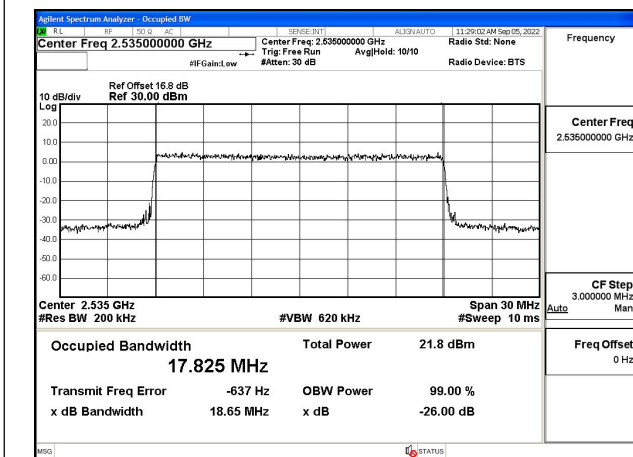


Fig.35

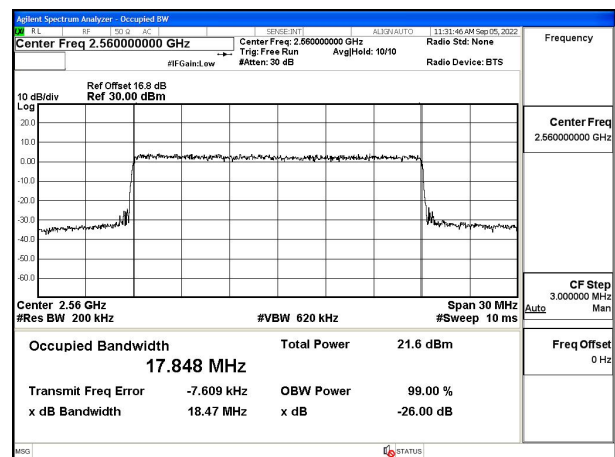


Fig.36

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	4.73	Fig.1
7	QPSK	2535	21100	5	25	0	4.73	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.78	Fig.3
7	QPSK	2505	20800	10	50	0	9.27	Fig.4
7	QPSK	2535	21100	10	50	0	9.36	Fig.5
7	QPSK	2565	21400	10	50	0	9.25	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.93	Fig.7
7	QPSK	2535	21100	15	75	0	14.01	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.96	Fig.9
7	QPSK	2510	20850	20	100	0	18.52	Fig.10
7	QPSK	2535	21100	20	100	0	18.53	Fig.11
7	QPSK	2560	21350	20	100	0	18.77	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	4.78	Fig.13
7	16QAM	2535	21100	5	25	0	4.76	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.75	Fig.15
7	16QAM	2505	20800	10	50	0	9.45	Fig.16
7	16QAM	2535	21100	10	50	0	9.38	Fig.17
7	16QAM	2565	21400	10	50	0	9.38	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.17	Fig.19
7	16QAM	2535	21100	15	75	0	13.99	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.16	Fig.21
7	16QAM	2510	20850	20	100	0	18.53	Fig.22
7	16QAM	2535	21100	20	100	0	18.69	Fig.23
7	16QAM	2560	21350	20	100	0	18.59	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	4.72	Fig.25
7	64QAM	2535	21100	5	25	0	4.76	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.77	Fig.27
7	64QAM	2505	20800	10	50	0	9.55	Fig.28
7	64QAM	2535	21100	10	50	0	9.35	Fig.29
7	64QAM	2565	21400	10	50	0	9.49	Fig.30
7	64QAM	2507.5	20825	15	75	0	14.00	Fig.31
7	64QAM	2535	21100	15	75	0	14.14	Fig.32
7	64QAM	2562.5	21375	15	75	0	14.10	Fig.33
7	64QAM	2510	20850	20	100	0	18.51	Fig.34
7	64QAM	2535	21100	20	100	0	18.65	Fig.35
7	64QAM	2560	21350	20	100	0	18.47	Fig.36

Test Mode: QPSK

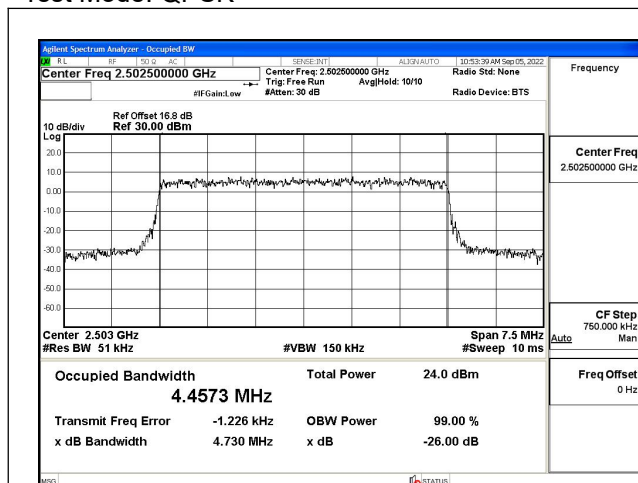


Fig.1

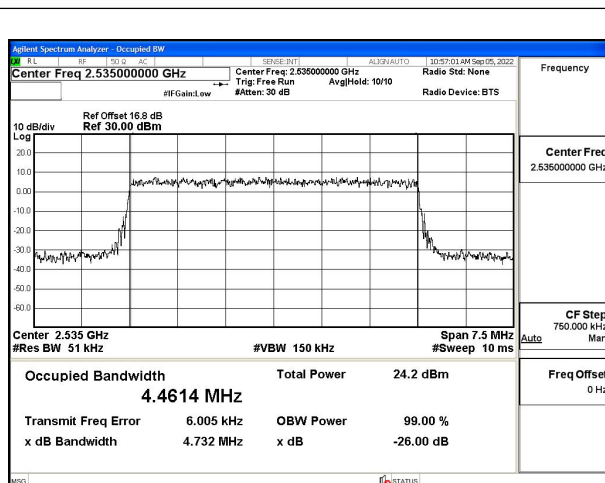


Fig.2

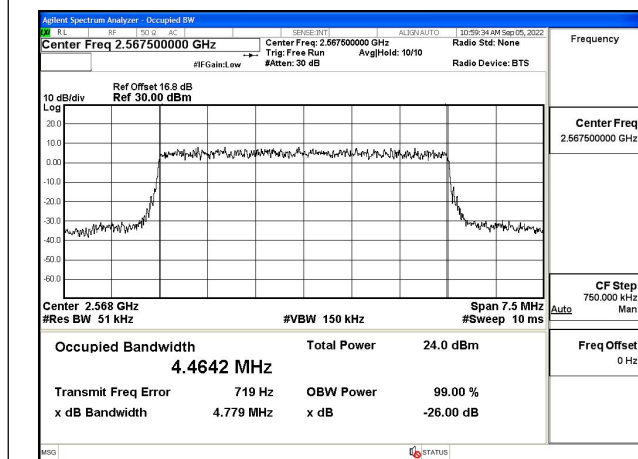


Fig.3

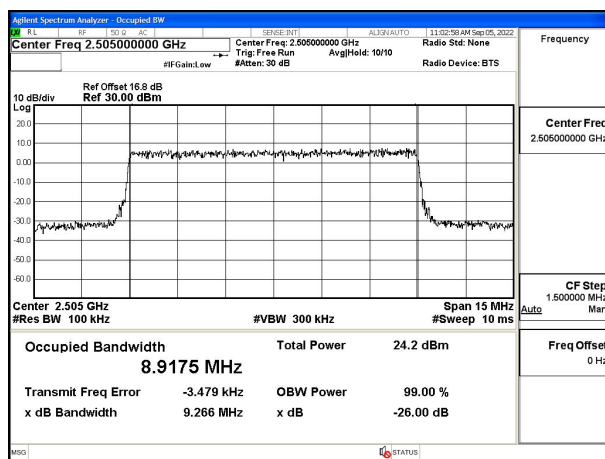


Fig.4

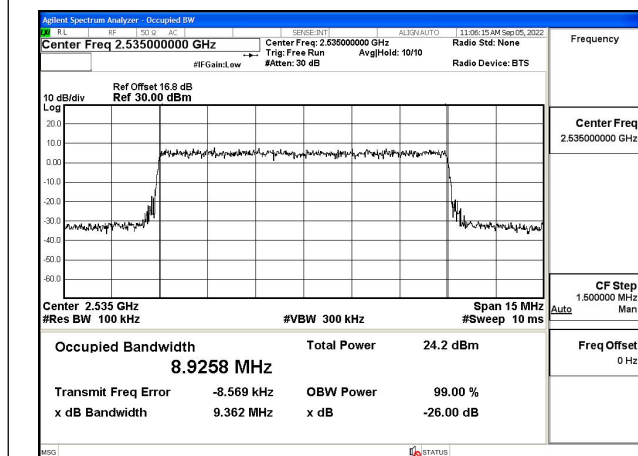


Fig.5

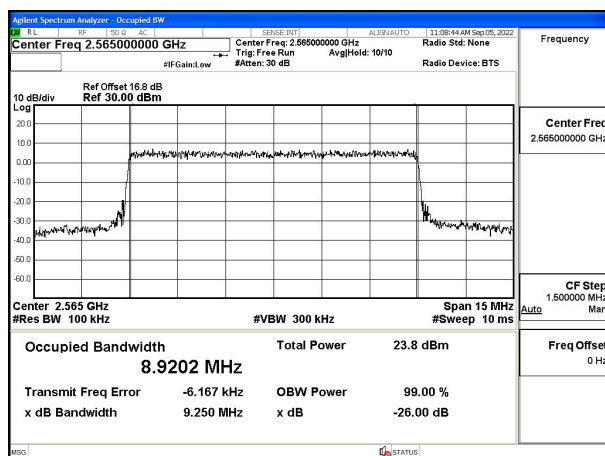


Fig.6