

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	24.87
QPSK	2502.5	20775	5	1	12	25.10
QPSK	2502.5	20775	5	1	24	25.17
QPSK	2502.5	20775	5	12	0	24.38
QPSK	2502.5	20775	5	12	7	24.32
QPSK	2502.5	20775	5	12	13	24.25
QPSK	2502.5	20775	5	25	0	24.18
QPSK	2535	21100	5	1	0	25.58
QPSK	2535	21100	5	1	12	25.56
QPSK	2535	21100	5	1	24	25.47
QPSK	2535	21100	5	12	0	24.33
QPSK	2535	21100	5	12	7	24.37
QPSK	2535	21100	5	12	13	24.25
QPSK	2535	21100	5	25	0	24.37
QPSK	2567.5	21425	5	1	0	25.63
QPSK	2567.5	21425	5	1	12	25.53
QPSK	2567.5	21425	5	1	24	25.41
QPSK	2567.5	21425	5	12	0	24.12
QPSK	2567.5	21425	5	12	7	24.29
QPSK	2567.5	21425	5	12	13	24.09
QPSK	2567.5	21425	5	25	0	24.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	24.58
16QAM	2502.5	20775	5	1	12	24.37
16QAM	2502.5	20775	5	1	24	24.45
16QAM	2502.5	20775	5	12	0	23.47
16QAM	2502.5	20775	5	12	7	23.31
16QAM	2502.5	20775	5	12	13	23.22
16QAM	2502.5	20775	5	25	0	23.20
16QAM	2535	21100	5	1	0	24.33
16QAM	2535	21100	5	1	12	24.70
16QAM	2535	21100	5	1	24	24.52
16QAM	2535	21100	5	12	0	23.40
16QAM	2535	21100	5	12	7	23.47
16QAM	2535	21100	5	12	13	23.32
16QAM	2535	21100	5	25	0	23.75
16QAM	2567.5	21425	5	1	0	24.36
16QAM	2567.5	21425	5	1	12	24.36
16QAM	2567.5	21425	5	1	24	24.36
16QAM	2567.5	21425	5	12	0	23.32
16QAM	2567.5	21425	5	12	7	23.16
16QAM	2567.5	21425	5	12	13	23.15
16QAM	2567.5	21425	5	25	0	23.50
64QAM	2502.5	20775	5	1	0	23.86
64QAM	2502.5	20775	5	1	12	23.41
64QAM	2502.5	20775	5	1	24	23.59
64QAM	2502.5	20775	5	12	0	22.20
64QAM	2502.5	20775	5	12	7	21.76
64QAM	2502.5	20775	5	12	13	21.79
64QAM	2502.5	20775	5	25	0	22.13
64QAM	2535	21100	5	1	0	24.15
64QAM	2535	21100	5	1	12	24.19
64QAM	2535	21100	5	1	24	24.24
64QAM	2535	21100	5	12	0	21.95
64QAM	2535	21100	5	12	7	21.95
64QAM	2535	21100	5	12	13	22.39
64QAM	2535	21100	5	25	0	22.13
64QAM	2567.5	21425	5	1	0	23.82
64QAM	2567.5	21425	5	1	12	23.84
64QAM	2567.5	21425	5	1	24	23.06
64QAM	2567.5	21425	5	12	0	21.93
64QAM	2567.5	21425	5	12	7	21.69
64QAM	2567.5	21425	5	12	13	21.45
64QAM	2567.5	21425	5	25	0	21.70

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	25.33
QPSK	2505	20800	10	1	25	25.32
QPSK	2505	20800	10	1	49	25.21
QPSK	2505	20800	10	25	0	24.33
QPSK	2505	20800	10	25	12	24.46
QPSK	2505	20800	10	25	25	24.22
QPSK	2505	20800	10	50	0	24.44
QPSK	2535	21100	10	1	0	25.44
QPSK	2535	21100	10	1	25	25.44
QPSK	2535	21100	10	1	49	25.49
QPSK	2535	21100	10	25	0	24.45
QPSK	2535	21100	10	25	12	24.51
QPSK	2535	21100	10	25	25	24.36
QPSK	2535	21100	10	50	0	24.37
QPSK	2565	21400	10	1	0	25.58
QPSK	2565	21400	10	1	25	25.55
QPSK	2565	21400	10	1	49	25.17
QPSK	2565	21400	10	25	0	24.41
QPSK	2565	21400	10	25	12	24.50
QPSK	2565	21400	10	25	25	24.12
QPSK	2565	21400	10	50	0	24.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	24.77
16QAM	2505	20800	10	1	25	25.06
16QAM	2505	20800	10	1	49	25.20
16QAM	2505	20800	10	25	0	23.25
16QAM	2505	20800	10	25	12	23.22
16QAM	2505	20800	10	25	25	23.31
16QAM	2505	20800	10	50	0	23.33
16QAM	2535	21100	10	1	0	24.76
16QAM	2535	21100	10	1	25	24.69
16QAM	2535	21100	10	1	49	25.40
16QAM	2535	21100	10	25	0	23.38
16QAM	2535	21100	10	25	12	23.44
16QAM	2535	21100	10	25	25	23.18
16QAM	2535	21100	10	50	0	23.60
16QAM	2565	21400	10	1	0	24.84
16QAM	2565	21400	10	1	25	24.55
16QAM	2565	21400	10	1	49	24.02
16QAM	2565	21400	10	25	0	23.56
16QAM	2565	21400	10	25	12	23.56
16QAM	2565	21400	10	25	25	23.41
16QAM	2565	21400	10	50	0	23.36
64QAM	2505	20800	10	1	0	24.14
64QAM	2505	20800	10	1	25	24.19
64QAM	2505	20800	10	1	49	23.94
64QAM	2505	20800	10	25	0	22.08
64QAM	2505	20800	10	25	12	21.81
64QAM	2505	20800	10	25	25	21.71
64QAM	2505	20800	10	50	0	22.20
64QAM	2535	21100	10	1	0	23.45
64QAM	2535	21100	10	1	25	23.32
64QAM	2535	21100	10	1	49	23.36
64QAM	2535	21100	10	25	0	22.00
64QAM	2535	21100	10	25	12	21.81
64QAM	2535	21100	10	25	25	22.27
64QAM	2535	21100	10	50	0	22.19
64QAM	2565	21400	10	1	0	23.79
64QAM	2565	21400	10	1	25	23.75
64QAM	2565	21400	10	1	49	23.81
64QAM	2565	21400	10	25	0	22.03
64QAM	2565	21400	10	25	12	22.20
64QAM	2565	21400	10	25	25	21.93
64QAM	2565	21400	10	50	0	22.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	25.46
QPSK	2507.5	20825	15	1	37	25.48
QPSK	2507.5	20825	15	1	74	25.36
QPSK	2507.5	20825	15	36	0	24.30
QPSK	2507.5	20825	15	36	29	24.44
QPSK	2507.5	20825	15	36	30	24.47
QPSK	2507.5	20825	15	75	0	24.36
QPSK	2535	21100	15	1	0	25.63
QPSK	2535	21100	15	1	37	25.68
QPSK	2535	21100	15	1	74	25.67
QPSK	2535	21100	15	36	0	24.43
QPSK	2535	21100	15	36	29	24.37
QPSK	2535	21100	15	36	30	24.39
QPSK	2535	21100	15	75	0	24.44
QPSK	2562.5	21375	15	1	0	25.48
QPSK	2562.5	21375	15	1	37	25.65
QPSK	2562.5	21375	15	1	74	25.30
QPSK	2562.5	21375	15	36	0	24.36
QPSK	2562.5	21375	15	36	29	24.31
QPSK	2562.5	21375	15	36	30	24.27
QPSK	2562.5	21375	15	75	0	24.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	25.11
16QAM	2507.5	20825	15	1	37	24.90
16QAM	2507.5	20825	15	1	74	24.80
16QAM	2507.5	20825	15	36	0	23.31
16QAM	2507.5	20825	15	36	29	23.31
16QAM	2507.5	20825	15	36	30	23.39
16QAM	2507.5	20825	15	75	0	23.48
16QAM	2535	21100	15	1	0	24.55
16QAM	2535	21100	15	1	37	25.28
16QAM	2535	21100	15	1	74	24.45
16QAM	2535	21100	15	36	0	23.57
16QAM	2535	21100	15	36	29	23.51
16QAM	2535	21100	15	36	30	23.53
16QAM	2535	21100	15	75	0	23.40
16QAM	2562.5	21375	15	1	0	24.35
16QAM	2562.5	21375	15	1	37	24.56
16QAM	2562.5	21375	15	1	74	24.43
16QAM	2562.5	21375	15	36	0	23.50
16QAM	2562.5	21375	15	36	29	23.60
16QAM	2562.5	21375	15	36	30	23.59
16QAM	2562.5	21375	15	75	0	23.24
64QAM	2507.5	20825	15	1	0	23.57
64QAM	2507.5	20825	15	1	37	23.57
64QAM	2507.5	20825	15	1	74	23.50
64QAM	2507.5	20825	15	36	0	22.08
64QAM	2507.5	20825	15	36	29	21.95
64QAM	2507.5	20825	15	36	30	21.94
64QAM	2507.5	20825	15	75	0	21.91
64QAM	2535	21100	15	1	0	23.79
64QAM	2535	21100	15	1	37	23.88
64QAM	2535	21100	15	1	74	24.04
64QAM	2535	21100	15	36	0	22.14
64QAM	2535	21100	15	36	29	22.57
64QAM	2535	21100	15	36	30	22.55
64QAM	2535	21100	15	75	0	22.27
64QAM	2562.5	21375	15	1	0	23.43
64QAM	2562.5	21375	15	1	37	24.30
64QAM	2562.5	21375	15	1	74	22.81
64QAM	2562.5	21375	15	36	0	22.07
64QAM	2562.5	21375	15	36	29	22.30
64QAM	2562.5	21375	15	36	30	22.44
64QAM	2562.5	21375	15	75	0	21.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	25.66
QPSK	2510	20850	20	1	49	25.59
QPSK	2510	20850	20	1	99	25.38
QPSK	2510	20850	20	50	0	24.38
QPSK	2510	20850	20	50	24	24.29
QPSK	2510	20850	20	50	50	24.42
QPSK	2510	20850	20	100	0	24.40
QPSK	2535	21100	20	1	0	25.68
QPSK	2535	21100	20	1	49	25.62
QPSK	2535	21100	20	1	99	25.60
QPSK	2535	21100	20	50	0	24.39
QPSK	2535	21100	20	50	24	24.52
QPSK	2535	21100	20	50	50	24.45
QPSK	2535	21100	20	100	0	24.46
QPSK	2560	21350	20	1	0	25.63
QPSK	2560	21350	20	1	49	25.30
QPSK	2560	21350	20	1	99	24.91
QPSK	2560	21350	20	50	0	24.34
QPSK	2560	21350	20	50	24	24.23
QPSK	2560	21350	20	50	50	24.31
QPSK	2560	21350	20	100	0	24.40

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	24.63
16QAM	2510	20850	20	1	49	24.56
16QAM	2510	20850	20	1	99	24.63
16QAM	2510	20850	20	50	0	23.51
16QAM	2510	20850	20	50	24	23.54
16QAM	2510	20850	20	50	50	23.39
16QAM	2510	20850	20	100	0	23.46
16QAM	2535	21100	20	1	0	24.68
16QAM	2535	21100	20	1	49	24.23
16QAM	2535	21100	20	1	99	24.56
16QAM	2535	21100	20	50	0	23.58
16QAM	2535	21100	20	50	24	23.45
16QAM	2535	21100	20	50	50	23.48
16QAM	2535	21100	20	100	0	23.46
16QAM	2560	21350	20	1	0	25.02
16QAM	2560	21350	20	1	49	24.57
16QAM	2560	21350	20	1	99	24.51
16QAM	2560	21350	20	50	0	23.54
16QAM	2560	21350	20	50	24	23.37
16QAM	2560	21350	20	50	50	23.25
16QAM	2560	21350	20	100	0	23.41
64QAM	2510	20850	20	1	0	23.83
64QAM	2510	20850	20	1	49	23.59
64QAM	2510	20850	20	1	99	23.52
64QAM	2510	20850	20	50	0	21.98
64QAM	2510	20850	20	50	24	21.99
64QAM	2510	20850	20	50	50	22.02
64QAM	2510	20850	20	100	0	21.96
64QAM	2535	21100	20	1	0	23.11
64QAM	2535	21100	20	1	49	23.40
64QAM	2535	21100	20	1	99	23.82
64QAM	2535	21100	20	50	0	21.98
64QAM	2535	21100	20	50	24	22.23
64QAM	2535	21100	20	50	50	22.45
64QAM	2535	21100	20	100	0	22.12
64QAM	2560	21350	20	1	0	23.19
64QAM	2560	21350	20	1	49	23.79
64QAM	2560	21350	20	1	99	23.48
64QAM	2560	21350	20	50	0	21.71
64QAM	2560	21350	20	50	24	21.76
64QAM	2560	21350	20	50	50	22.56
64QAM	2560	21350	20	100	0	21.82

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	8.91	Fig.4
7	QPSK	2535	21100	10	50	0	8.92	Fig.5
7	QPSK	2565	21400	10	50	0	8.90	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.35	Fig.7
7	QPSK	2535	21100	15	75	0	13.37	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.36	Fig.9
7	QPSK	2510	20850	20	100	0	17.84	Fig.10
7	QPSK	2535	21100	20	100	0	17.83	Fig.11
7	QPSK	2560	21350	20	100	0	17.79	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	4.44	Fig.13
7	16QAM	2535	21100	5	25	0	4.45	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.45	Fig.15
7	16QAM	2505	20800	10	50	0	8.92	Fig.16
7	16QAM	2535	21100	10	50	0	8.91	Fig.17
7	16QAM	2565	21400	10	50	0	8.90	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.38	Fig.19
7	16QAM	2535	21100	15	75	0	13.37	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.35	Fig.21
7	16QAM	2510	20850	20	100	0	17.83	Fig.22
7	16QAM	2535	21100	20	100	0	17.83	Fig.23
7	16QAM	2560	21350	20	100	0	17.84	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	4.45	Fig.25
7	64QAM	2535	21100	5	25	0	4.45	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.45	Fig.27
7	64QAM	2505	20800	10	50	0	8.92	Fig.28
7	64QAM	2535	21100	10	50	0	8.91	Fig.29
7	64QAM	2565	21400	10	50	0	8.91	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.36	Fig.31
7	64QAM	2535	21100	15	75	0	13.35	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.38	Fig.33
7	64QAM	2510	20850	20	100	0	17.83	Fig.34
7	64QAM	2535	21100	20	100	0	17.84	Fig.35
7	64QAM	2560	21350	20	100	0	17.83	Fig.36

Test Mode: QPSK

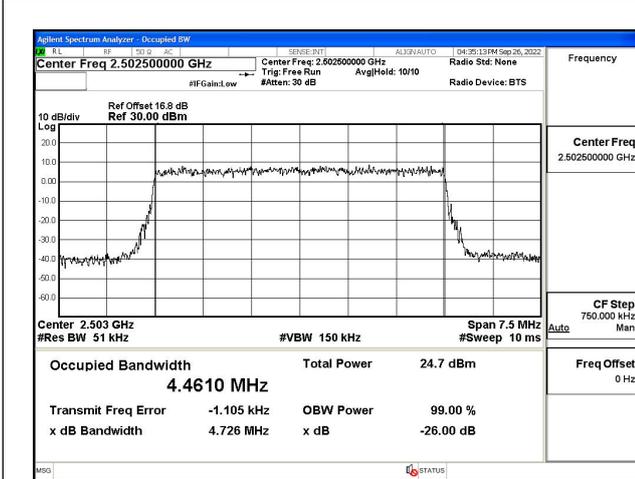


Fig.1

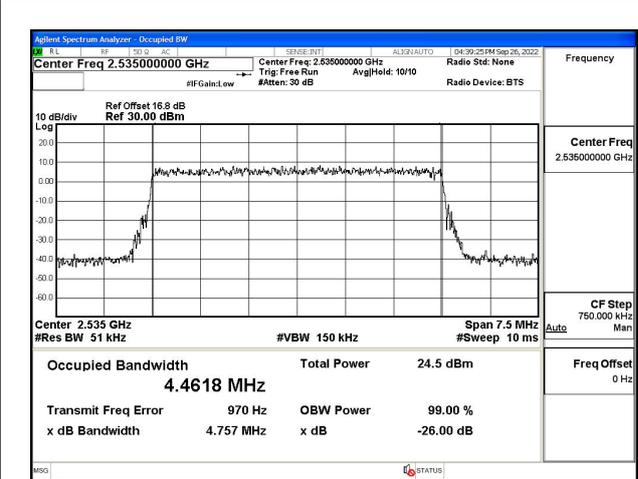


Fig.2

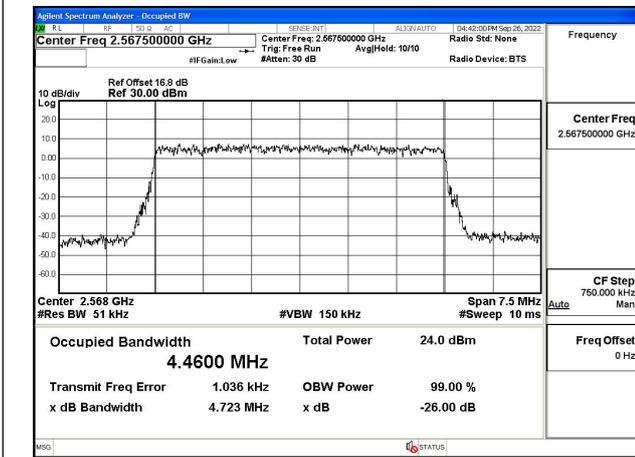


Fig.3

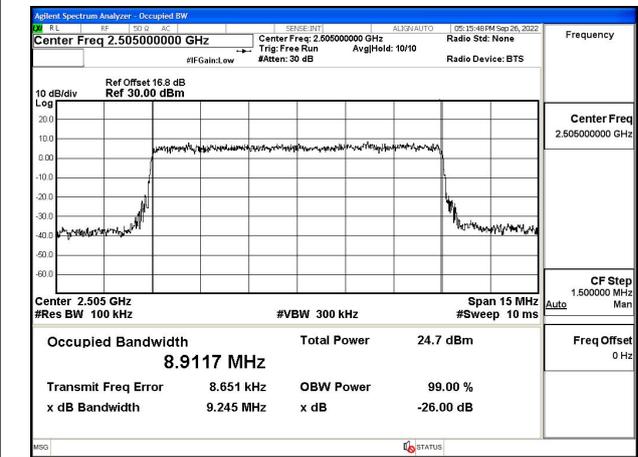


Fig.4

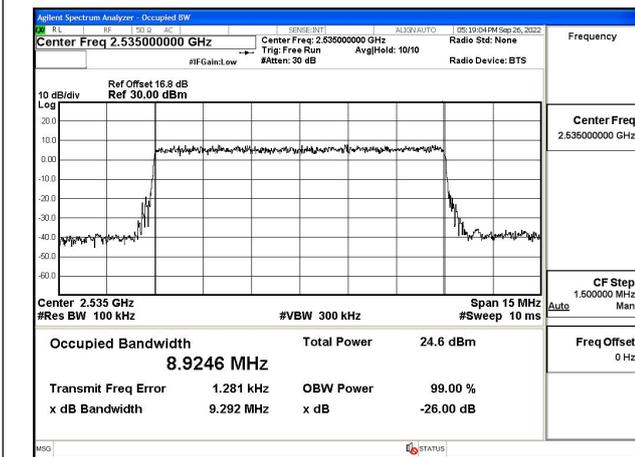


Fig.5

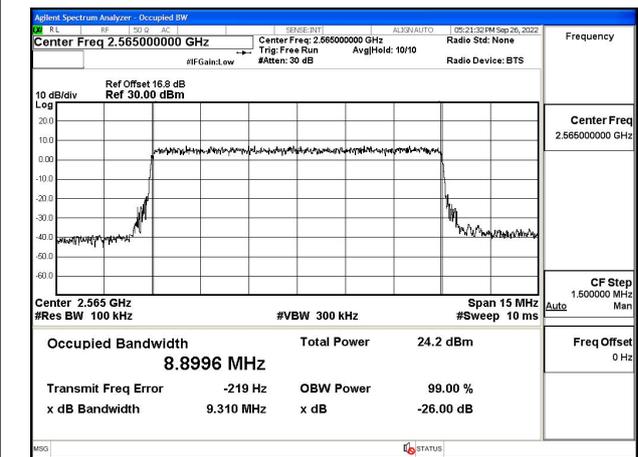


Fig.6

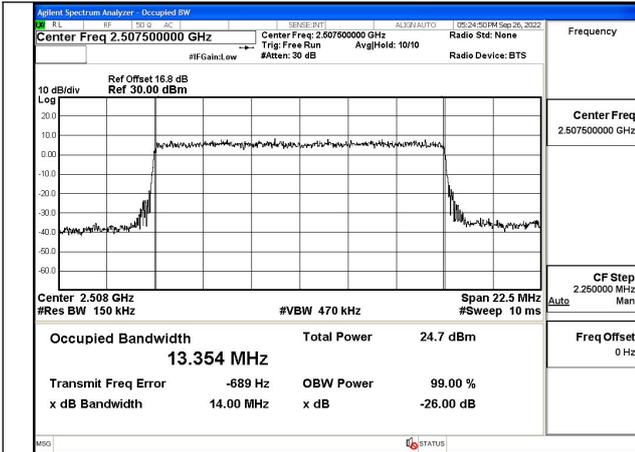


Fig.7

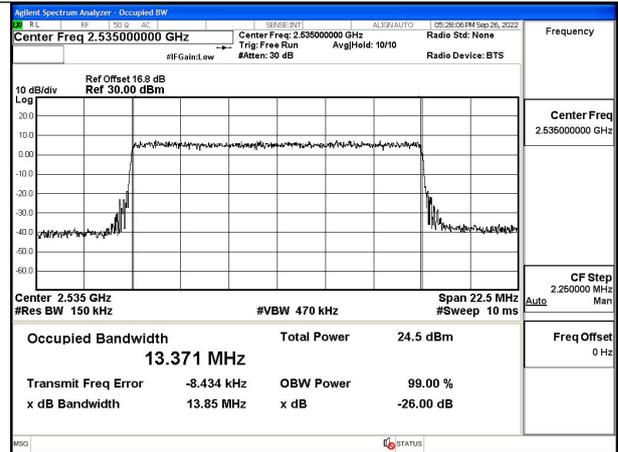


Fig.8

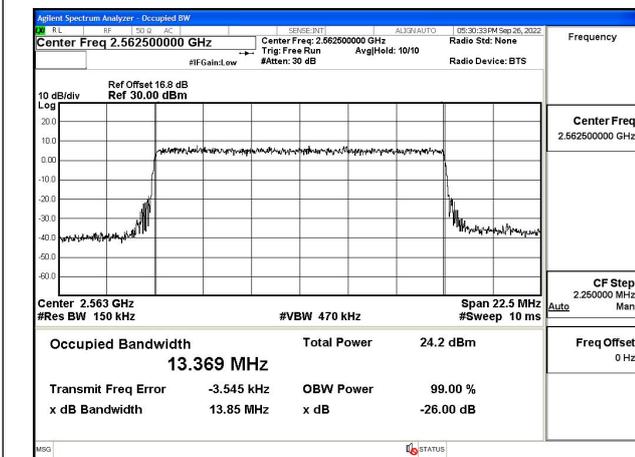


Fig.9

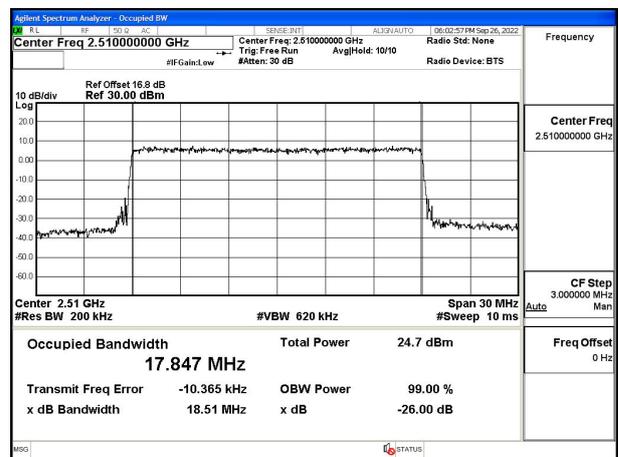


Fig.10

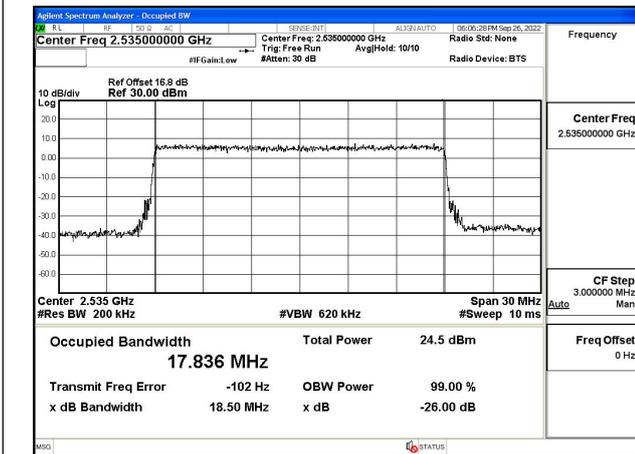


Fig.11

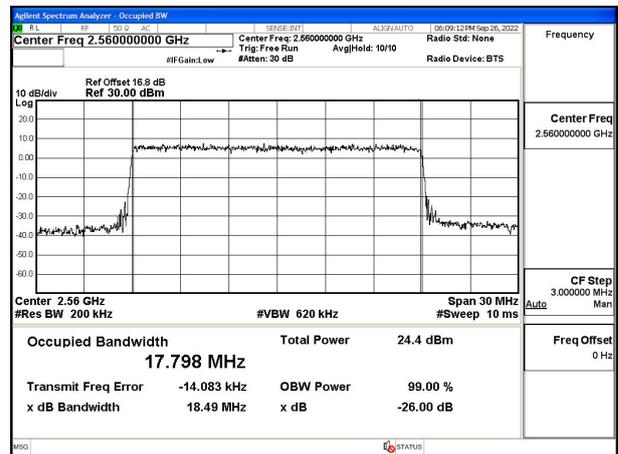


Fig.12

Test Mode: 16QAM

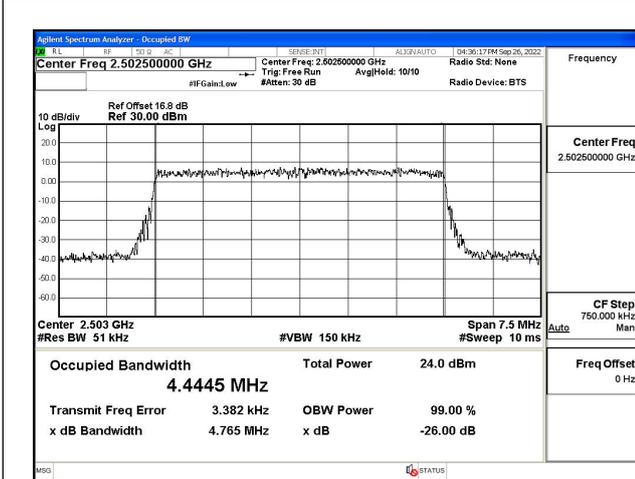


Fig.13

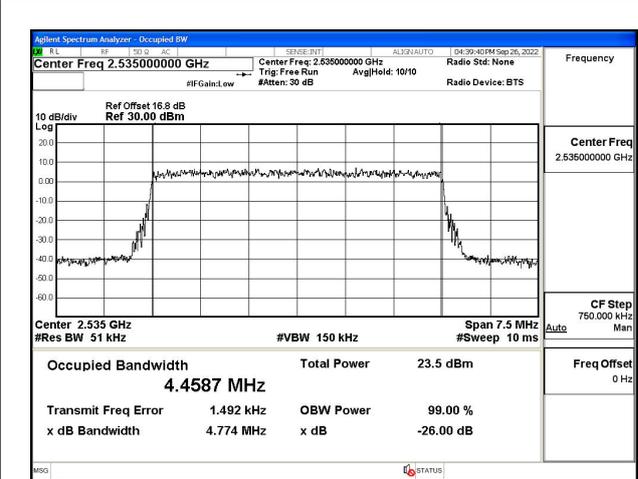


Fig.14

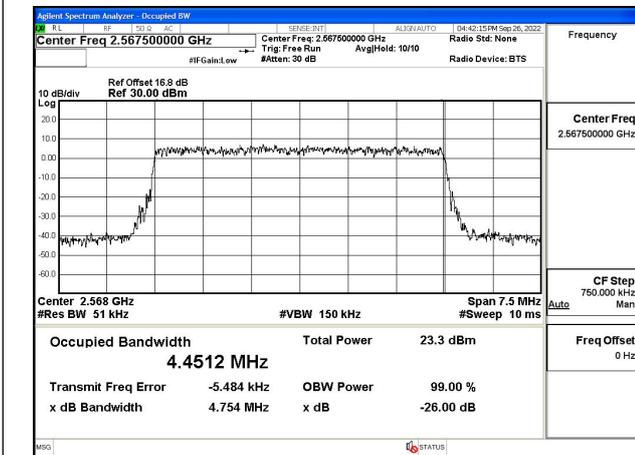


Fig.15

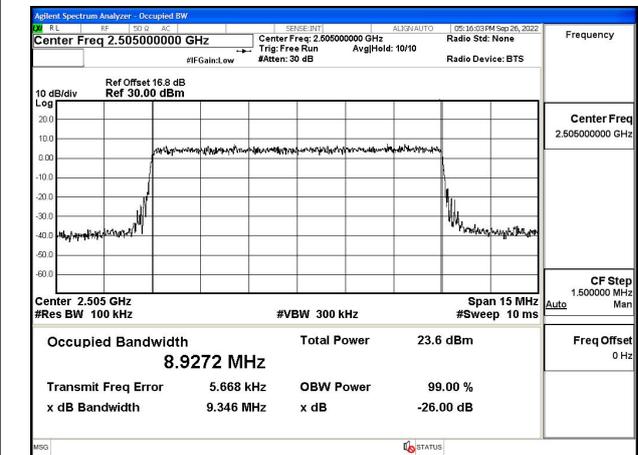


Fig.16

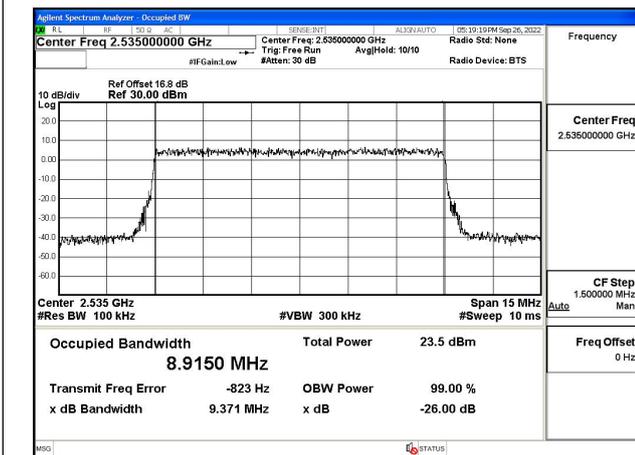


Fig.17

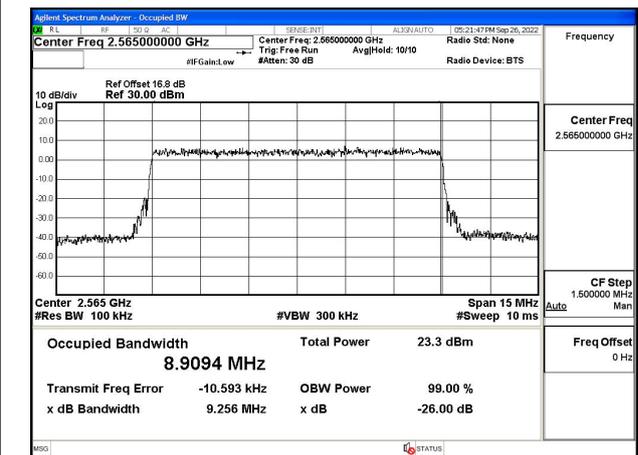


Fig.18

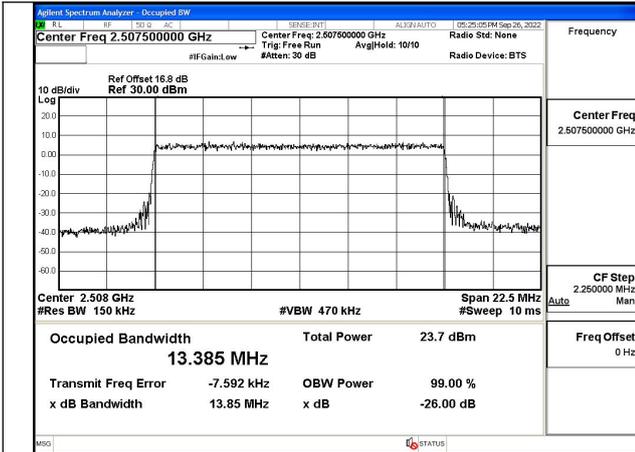


Fig.19

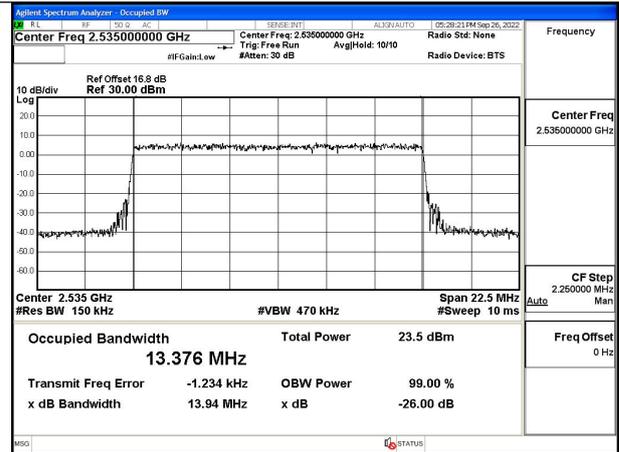


Fig.20

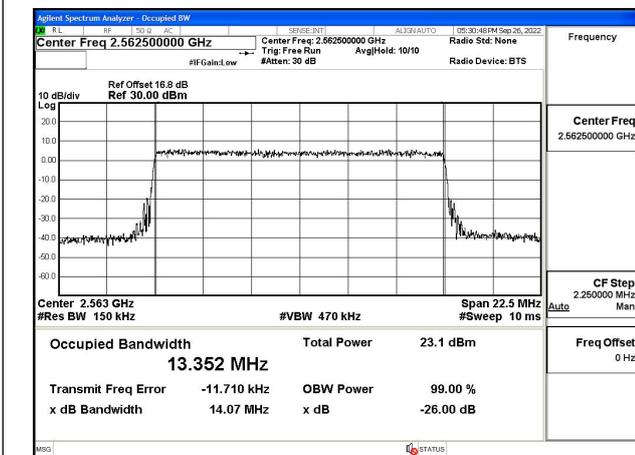


Fig.21

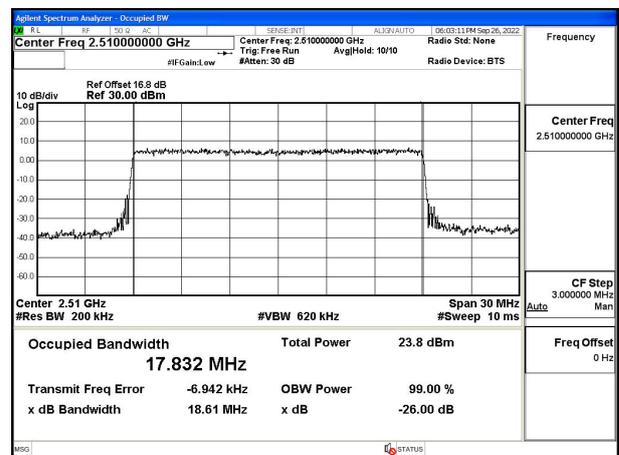


Fig.22

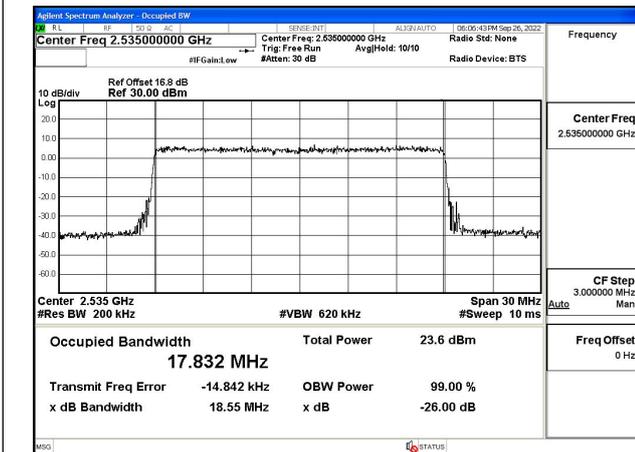


Fig.23

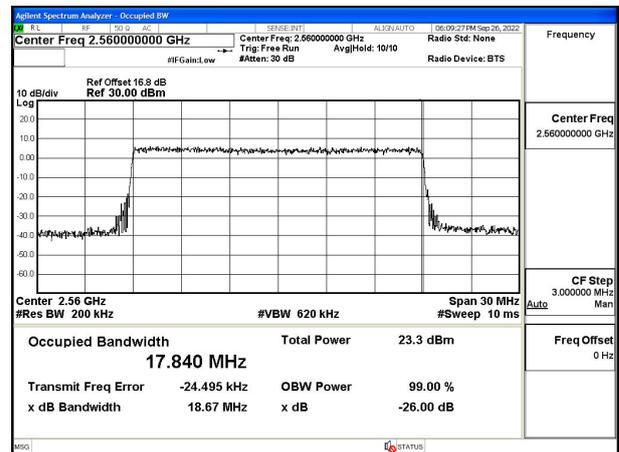


Fig.24

Test Mode: 64QAM

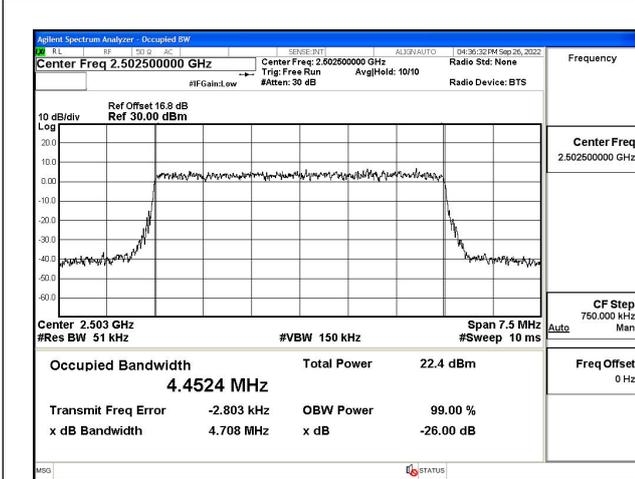


Fig.25

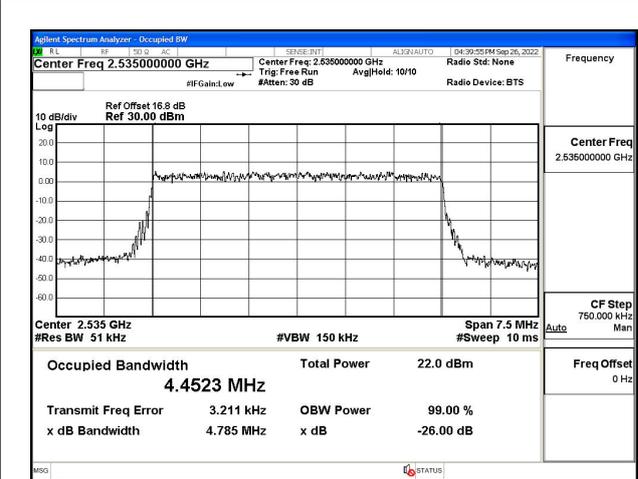


Fig.26

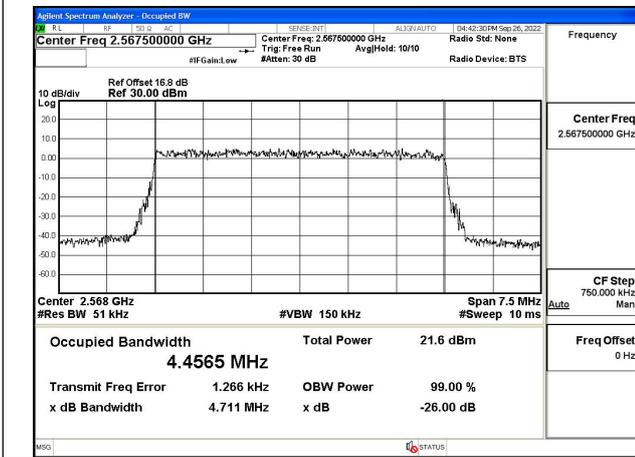


Fig.27

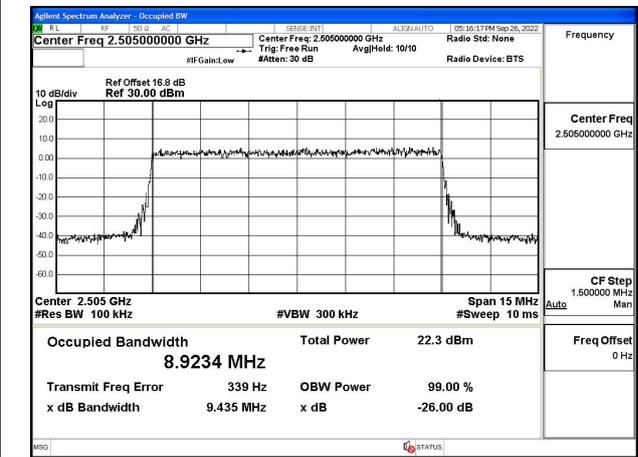


Fig.28

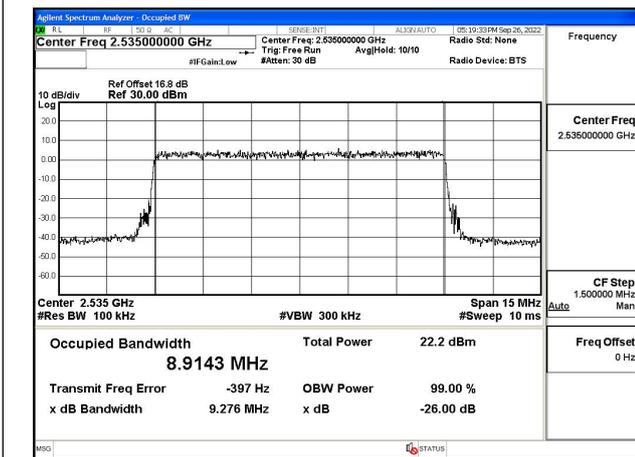


Fig.29

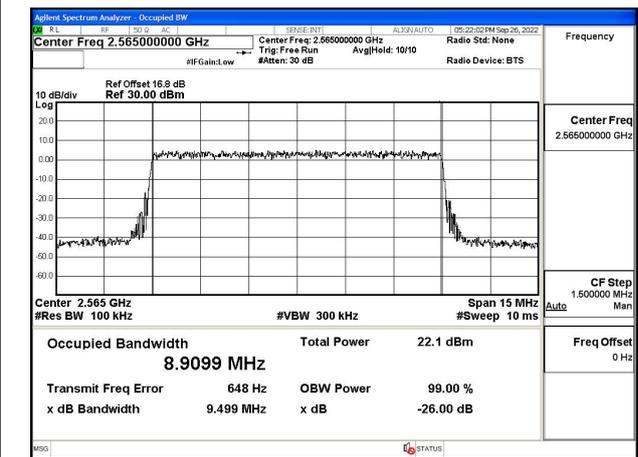


Fig.30

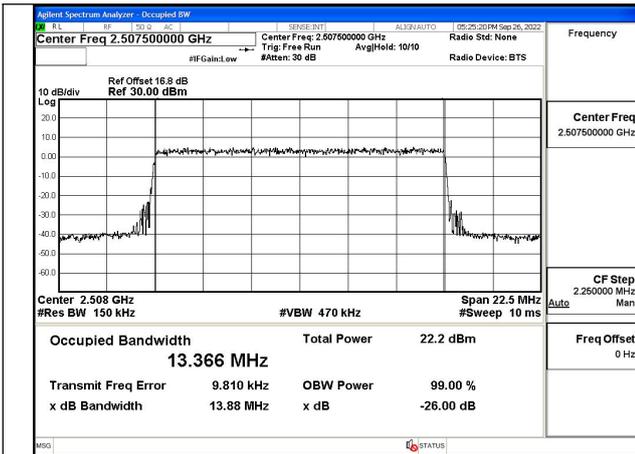


Fig.31

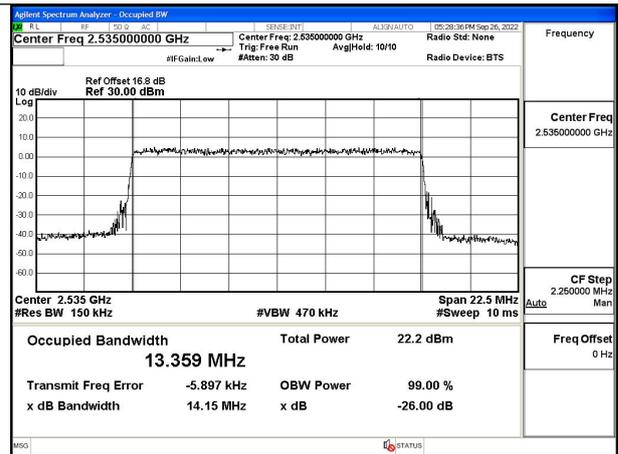


Fig.32

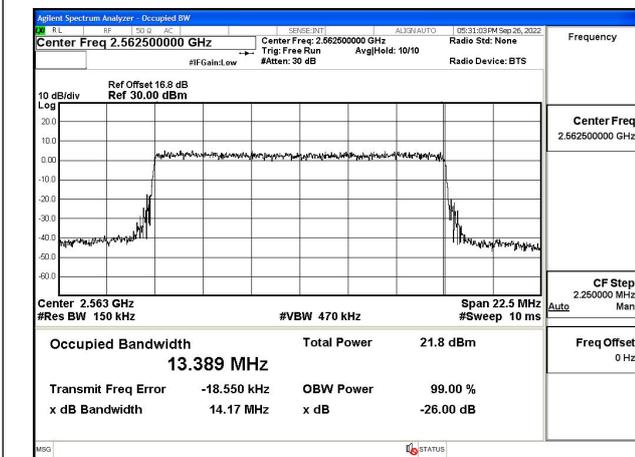


Fig.33

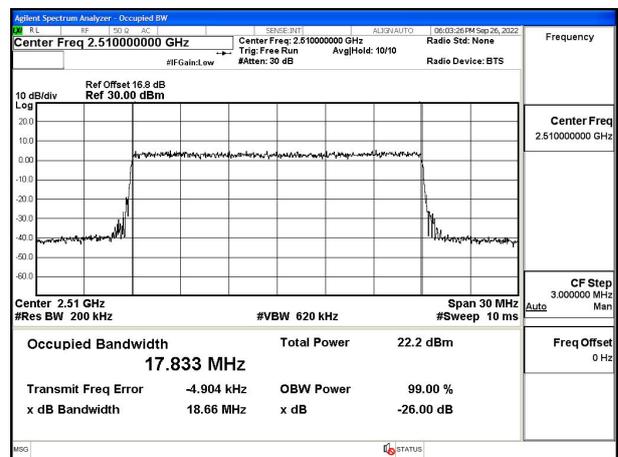


Fig.34

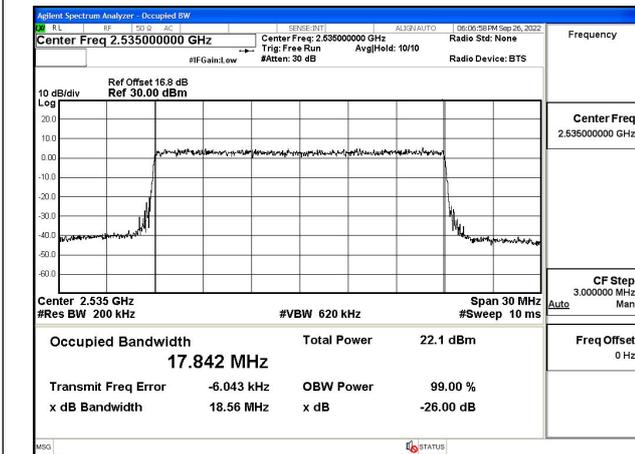


Fig.35

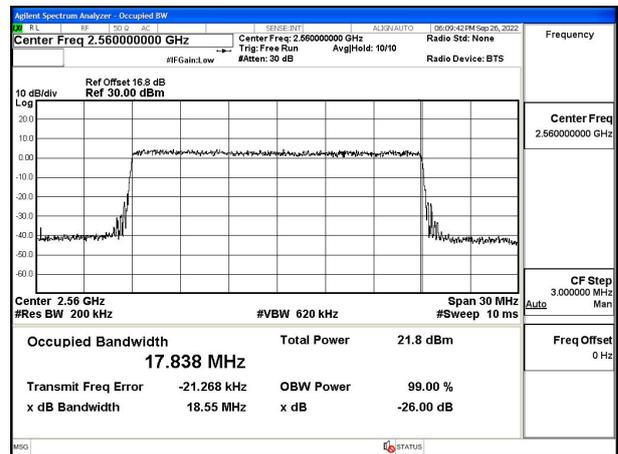


Fig.36

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	4.72	Fig.1
7	QPSK	2535	21100	5	25	0	4.75	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.72	Fig.3
7	QPSK	2505	20800	10	50	0	9.24	Fig.4
7	QPSK	2535	21100	10	50	0	9.29	Fig.5
7	QPSK	2565	21400	10	50	0	9.31	Fig.6
7	QPSK	2507.5	20825	15	75	0	14.00	Fig.7
7	QPSK	2535	21100	15	75	0	13.85	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.84	Fig.9
7	QPSK	2510	20850	20	100	0	18.51	Fig.10
7	QPSK	2535	21100	20	100	0	18.49	Fig.11
7	QPSK	2560	21350	20	100	0	18.48	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	4.76	Fig.13
7	16QAM	2535	21100	5	25	0	4.77	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.75	Fig.15
7	16QAM	2505	20800	10	50	0	9.34	Fig.16
7	16QAM	2535	21100	10	50	0	9.37	Fig.17
7	16QAM	2565	21400	10	50	0	9.25	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.84	Fig.19
7	16QAM	2535	21100	15	75	0	13.94	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.07	Fig.21
7	16QAM	2510	20850	20	100	0	18.60	Fig.22
7	16QAM	2535	21100	20	100	0	18.54	Fig.23
7	16QAM	2560	21350	20	100	0	18.67	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	4.70	Fig.25
7	64QAM	2535	21100	5	25	0	4.78	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.71	Fig.27
7	64QAM	2505	20800	10	50	0	9.43	Fig.28
7	64QAM	2535	21100	10	50	0	9.27	Fig.29
7	64QAM	2565	21400	10	50	0	9.49	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.88	Fig.31
7	64QAM	2535	21100	15	75	0	14.15	Fig.32
7	64QAM	2562.5	21375	15	75	0	14.16	Fig.33
7	64QAM	2510	20850	20	100	0	18.66	Fig.34
7	64QAM	2535	21100	20	100	0	18.56	Fig.35
7	64QAM	2560	21350	20	100	0	18.55	Fig.36

Test Mode: QPSK

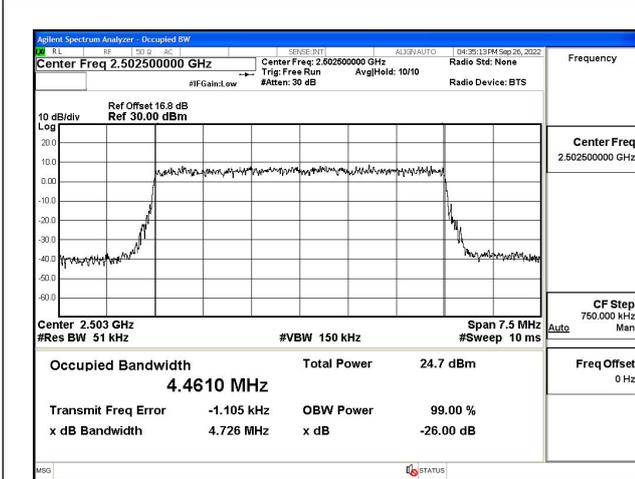


Fig.1

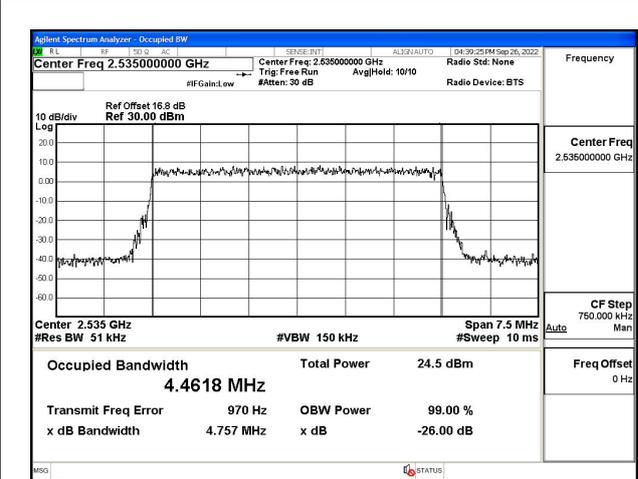


Fig.2

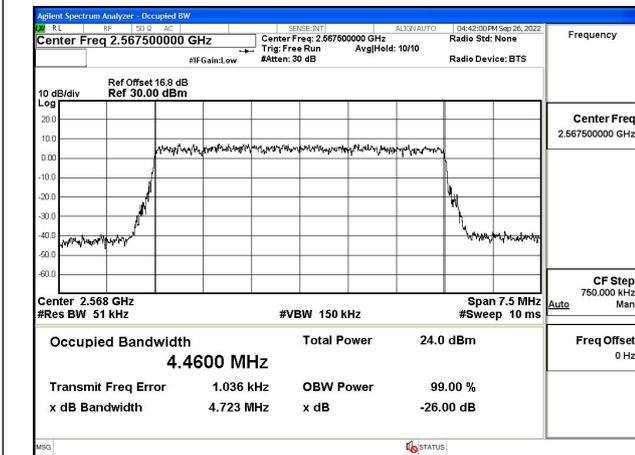


Fig.3

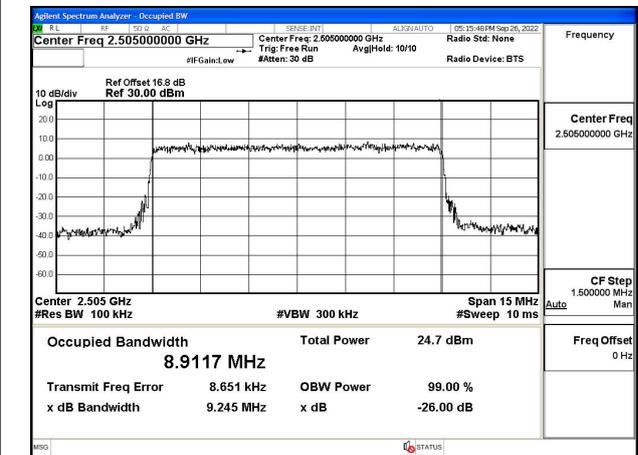


Fig.4

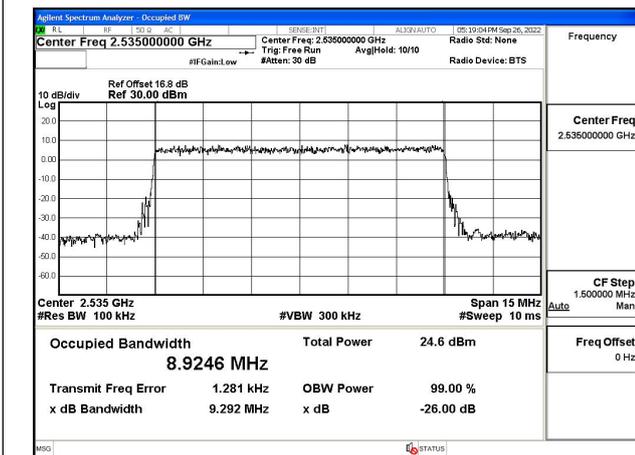


Fig.5

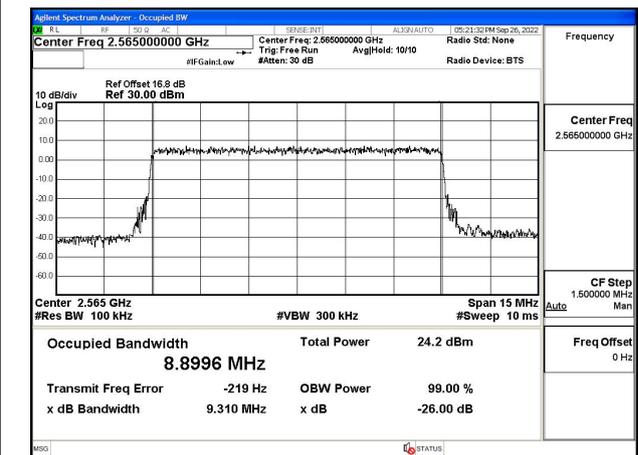


Fig.6