

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	23.16
QPSK	2502.5	20775	5	1	12	23.52
QPSK	2502.5	20775	5	1	24	23.16
QPSK	2502.5	20775	5	12	0	22.50
QPSK	2502.5	20775	5	12	7	22.52
QPSK	2502.5	20775	5	12	13	22.48
QPSK	2502.5	20775	5	25	0	22.45
QPSK	2535	21100	5	1	0	23.20
QPSK	2535	21100	5	1	12	23.35
QPSK	2535	21100	5	1	24	23.12
QPSK	2535	21100	5	12	0	22.47
QPSK	2535	21100	5	12	7	22.38
QPSK	2535	21100	5	12	13	22.31
QPSK	2535	21100	5	25	0	22.36
QPSK	2567.5	21425	5	1	0	23.41
QPSK	2567.5	21425	5	1	12	23.60
QPSK	2567.5	21425	5	1	24	23.37
QPSK	2567.5	21425	5	12	0	22.51
QPSK	2567.5	21425	5	12	7	22.57
QPSK	2567.5	21425	5	12	13	22.51
QPSK	2567.5	21425	5	25	0	22.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	22.28
16QAM	2502.5	20775	5	1	12	23.14
16QAM	2502.5	20775	5	1	24	22.57
16QAM	2502.5	20775	5	12	0	21.41
16QAM	2502.5	20775	5	12	7	21.42
16QAM	2502.5	20775	5	12	13	21.33
16QAM	2502.5	20775	5	25	0	21.42
16QAM	2535	21100	5	1	0	22.65
16QAM	2535	21100	5	1	12	22.62
16QAM	2535	21100	5	1	24	22.50
16QAM	2535	21100	5	12	0	21.33
16QAM	2535	21100	5	12	7	21.48
16QAM	2535	21100	5	12	13	21.37
16QAM	2535	21100	5	25	0	21.44
16QAM	2567.5	21425	5	1	0	22.37
16QAM	2567.5	21425	5	1	12	22.85
16QAM	2567.5	21425	5	1	24	22.49
16QAM	2567.5	21425	5	12	0	21.59
16QAM	2567.5	21425	5	12	7	21.48
16QAM	2567.5	21425	5	12	13	21.58
16QAM	2567.5	21425	5	25	0	21.53
64QAM	2502.5	20775	5	1	0	21.26
64QAM	2502.5	20775	5	1	12	21.71
64QAM	2502.5	20775	5	1	24	21.28
64QAM	2502.5	20775	5	12	0	20.50
64QAM	2502.5	20775	5	12	7	20.44
64QAM	2502.5	20775	5	12	13	20.34
64QAM	2502.5	20775	5	25	0	20.45
64QAM	2535	21100	5	1	0	21.20
64QAM	2535	21100	5	1	12	21.50
64QAM	2535	21100	5	1	24	21.45
64QAM	2535	21100	5	12	0	20.46
64QAM	2535	21100	5	12	7	20.44
64QAM	2535	21100	5	12	13	20.44
64QAM	2535	21100	5	25	0	20.43
64QAM	2567.5	21425	5	1	0	21.42
64QAM	2567.5	21425	5	1	12	22.12
64QAM	2567.5	21425	5	1	24	21.45
64QAM	2567.5	21425	5	12	0	20.49
64QAM	2567.5	21425	5	12	7	20.71
64QAM	2567.5	21425	5	12	13	20.41
64QAM	2567.5	21425	5	25	0	20.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	23.39
QPSK	2505	20800	10	1	25	23.41
QPSK	2505	20800	10	1	49	23.22
QPSK	2505	20800	10	25	0	22.58
QPSK	2505	20800	10	25	12	22.66
QPSK	2505	20800	10	25	25	22.59
QPSK	2505	20800	10	50	0	22.65
QPSK	2535	21100	10	1	0	23.41
QPSK	2535	21100	10	1	25	23.44
QPSK	2535	21100	10	1	49	23.28
QPSK	2535	21100	10	25	0	22.55
QPSK	2535	21100	10	25	12	22.42
QPSK	2535	21100	10	25	25	22.35
QPSK	2535	21100	10	50	0	22.52
QPSK	2565	21400	10	1	0	23.34
QPSK	2565	21400	10	1	25	23.59
QPSK	2565	21400	10	1	49	23.42
QPSK	2565	21400	10	25	0	22.50
QPSK	2565	21400	10	25	12	22.54
QPSK	2565	21400	10	25	25	22.63
QPSK	2565	21400	10	50	0	22.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.75
16QAM	2505	20800	10	1	25	22.44
16QAM	2505	20800	10	1	49	22.52
16QAM	2505	20800	10	25	0	21.42
16QAM	2505	20800	10	25	12	21.44
16QAM	2505	20800	10	25	25	21.49
16QAM	2505	20800	10	50	0	21.56
16QAM	2535	21100	10	1	0	22.68
16QAM	2535	21100	10	1	25	22.51
16QAM	2535	21100	10	1	49	22.28
16QAM	2535	21100	10	25	0	21.41
16QAM	2535	21100	10	25	12	21.45
16QAM	2535	21100	10	25	25	21.36
16QAM	2535	21100	10	50	0	21.49
16QAM	2565	21400	10	1	0	22.90
16QAM	2565	21400	10	1	25	22.47
16QAM	2565	21400	10	1	49	22.53
16QAM	2565	21400	10	25	0	21.38
16QAM	2565	21400	10	25	12	21.56
16QAM	2565	21400	10	25	25	21.54
16QAM	2565	21400	10	50	0	21.62
64QAM	2505	20800	10	1	0	21.40
64QAM	2505	20800	10	1	25	21.56
64QAM	2505	20800	10	1	49	21.66
64QAM	2505	20800	10	25	0	20.46
64QAM	2505	20800	10	25	12	20.52
64QAM	2505	20800	10	25	25	20.48
64QAM	2505	20800	10	50	0	20.52
64QAM	2535	21100	10	1	0	21.47
64QAM	2535	21100	10	1	25	21.83
64QAM	2535	21100	10	1	49	21.53
64QAM	2535	21100	10	25	0	20.38
64QAM	2535	21100	10	25	12	20.53
64QAM	2535	21100	10	25	25	20.42
64QAM	2535	21100	10	50	0	20.41
64QAM	2565	21400	10	1	0	21.40
64QAM	2565	21400	10	1	25	21.73
64QAM	2565	21400	10	1	49	21.47
64QAM	2565	21400	10	25	0	20.44
64QAM	2565	21400	10	25	12	20.51
64QAM	2565	21400	10	25	25	20.52
64QAM	2565	21400	10	50	0	20.61

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	23.70
QPSK	2507.5	20825	15	1	74	23.28
QPSK	2507.5	20825	15	36	0	22.55
QPSK	2507.5	20825	15	36	29	22.66
QPSK	2507.5	20825	15	36	30	22.53
QPSK	2507.5	20825	15	75	0	22.61
QPSK	2535	21100	15	1	0	23.44
QPSK	2535	21100	15	1	37	23.34
QPSK	2535	21100	15	1	74	23.11
QPSK	2535	21100	15	36	0	22.58
QPSK	2535	21100	15	36	29	22.43
QPSK	2535	21100	15	36	30	22.50
QPSK	2535	21100	15	75	0	22.55
QPSK	2562.5	21375	15	1	0	23.32
QPSK	2562.5	21375	15	1	37	23.53
QPSK	2562.5	21375	15	1	74	23.44
QPSK	2562.5	21375	15	36	0	22.60
QPSK	2562.5	21375	15	36	29	22.56
QPSK	2562.5	21375	15	36	30	22.63
QPSK	2562.5	21375	15	75	0	22.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	22.80
16QAM	2507.5	20825	15	1	37	22.42
16QAM	2507.5	20825	15	1	74	22.58
16QAM	2507.5	20825	15	36	0	21.58
16QAM	2507.5	20825	15	36	29	21.53
16QAM	2507.5	20825	15	36	30	21.56
16QAM	2507.5	20825	15	75	0	21.54
16QAM	2535	21100	15	1	0	22.86
16QAM	2535	21100	15	1	37	22.28
16QAM	2535	21100	15	1	74	22.23
16QAM	2535	21100	15	36	0	21.50
16QAM	2535	21100	15	36	29	21.31
16QAM	2535	21100	15	36	30	21.35
16QAM	2535	21100	15	75	0	21.38
16QAM	2562.5	21375	15	1	0	22.56
16QAM	2562.5	21375	15	1	37	22.80
16QAM	2562.5	21375	15	1	74	22.45
16QAM	2562.5	21375	15	36	0	21.50
16QAM	2562.5	21375	15	36	29	21.46
16QAM	2562.5	21375	15	36	30	21.51
16QAM	2562.5	21375	15	75	0	21.48
64QAM	2507.5	20825	15	1	0	21.20
64QAM	2507.5	20825	15	1	37	21.55
64QAM	2507.5	20825	15	1	74	21.38
64QAM	2507.5	20825	15	36	0	20.51
64QAM	2507.5	20825	15	36	29	20.52
64QAM	2507.5	20825	15	36	30	20.52
64QAM	2507.5	20825	15	75	0	20.52
64QAM	2535	21100	15	1	0	21.37
64QAM	2535	21100	15	1	37	21.32
64QAM	2535	21100	15	1	74	21.45
64QAM	2535	21100	15	36	0	20.49
64QAM	2535	21100	15	36	29	20.38
64QAM	2535	21100	15	36	30	20.42
64QAM	2535	21100	15	75	0	20.44
64QAM	2562.5	21375	15	1	0	21.66
64QAM	2562.5	21375	15	1	37	21.50
64QAM	2562.5	21375	15	1	74	21.55
64QAM	2562.5	21375	15	36	0	20.44
64QAM	2562.5	21375	15	36	29	20.54
64QAM	2562.5	21375	15	36	30	20.53
64QAM	2562.5	21375	15	75	0	20.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.22
QPSK	2510	20850	20	1	49	23.69
QPSK	2510	20850	20	1	99	23.13
QPSK	2510	20850	20	50	0	22.54
QPSK	2510	20850	20	50	24	22.71
QPSK	2510	20850	20	50	50	22.78
QPSK	2510	20850	20	100	0	22.70
QPSK	2535	21100	20	1	0	23.29
QPSK	2535	21100	20	1	49	23.30
QPSK	2535	21100	20	1	99	23.00
QPSK	2535	21100	20	50	0	22.57
QPSK	2535	21100	20	50	24	22.59
QPSK	2535	21100	20	50	50	22.25
QPSK	2535	21100	20	100	0	22.46
QPSK	2560	21350	20	1	0	23.22
QPSK	2560	21350	20	1	49	23.43
QPSK	2560	21350	20	1	99	23.17
QPSK	2560	21350	20	50	0	22.53
QPSK	2560	21350	20	50	24	22.42
QPSK	2560	21350	20	50	50	22.67
QPSK	2560	21350	20	100	0	22.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	22.35
16QAM	2510	20850	20	1	49	22.56
16QAM	2510	20850	20	1	99	22.60
16QAM	2510	20850	20	50	0	21.43
16QAM	2510	20850	20	50	24	21.65
16QAM	2510	20850	20	50	50	21.61
16QAM	2510	20850	20	100	0	21.52
16QAM	2535	21100	20	1	0	22.70
16QAM	2535	21100	20	1	49	22.54
16QAM	2535	21100	20	1	99	22.16
16QAM	2535	21100	20	50	0	21.47
16QAM	2535	21100	20	50	24	21.43
16QAM	2535	21100	20	50	50	21.22
16QAM	2535	21100	20	100	0	21.42
16QAM	2560	21350	20	1	0	22.19
16QAM	2560	21350	20	1	49	22.64
16QAM	2560	21350	20	1	99	22.81
16QAM	2560	21350	20	50	0	21.40
16QAM	2560	21350	20	50	24	21.50
16QAM	2560	21350	20	50	50	21.52
16QAM	2560	21350	20	100	0	21.44
64QAM	2510	20850	20	1	0	21.44
64QAM	2510	20850	20	1	49	21.49
64QAM	2510	20850	20	1	99	21.63
64QAM	2510	20850	20	50	0	20.51
64QAM	2510	20850	20	50	24	20.47
64QAM	2510	20850	20	50	50	20.53
64QAM	2510	20850	20	100	0	20.50
64QAM	2535	21100	20	1	0	21.32
64QAM	2535	21100	20	1	49	21.71
64QAM	2535	21100	20	1	99	21.16
64QAM	2535	21100	20	50	0	20.57
64QAM	2535	21100	20	50	24	20.43
64QAM	2535	21100	20	50	50	20.26
64QAM	2535	21100	20	100	0	20.39
64QAM	2560	21350	20	1	0	20.91
64QAM	2560	21350	20	1	49	21.40
64QAM	2560	21350	20	1	99	21.39
64QAM	2560	21350	20	50	0	20.41
64QAM	2560	21350	20	50	24	20.61
64QAM	2560	21350	20	50	50	20.66
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	4.460	Fig.1
7	QPSK	2535	21100	5	25	0	4.450	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.470	Fig.3
7	QPSK	2505	20800	10	50	0	8.910	Fig.4
7	QPSK	2535	21100	10	50	0	8.930	Fig.5
7	QPSK	2565	21400	10	50	0	8.900	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.400	Fig.7
7	QPSK	2535	21100	15	75	0	13.390	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.400	Fig.9
7	QPSK	2510	20850	20	100	0	17.870	Fig.10
7	QPSK	2535	21100	20	100	0	17.830	Fig.11
7	QPSK	2560	21350	20	100	0	17.840	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	4.460	Fig.13
7	16QAM	2535	21100	5	25	0	4.460	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.450	Fig.15
7	16QAM	2505	20800	10	50	0	8.940	Fig.16
7	16QAM	2535	21100	10	50	0	8.910	Fig.17
7	16QAM	2565	21400	10	50	0	8.920	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.400	Fig.19
7	16QAM	2535	21100	15	75	0	13.370	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.390	Fig.21
7	16QAM	2510	20850	20	100	0	17.850	Fig.22
7	16QAM	2535	21100	20	100	0	17.840	Fig.23
7	16QAM	2560	21350	20	100	0	17.840	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	4.460	Fig.25
7	64QAM	2535	21100	5	25	0	4.470	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.460	Fig.27
7	64QAM	2505	20800	10	50	0	8.930	Fig.28
7	64QAM	2535	21100	10	50	0	8.930	Fig.29
7	64QAM	2565	21400	10	50	0	8.920	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.390	Fig.31
7	64QAM	2535	21100	15	75	0	13.380	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.380	Fig.33
7	64QAM	2510	20850	20	100	0	17.840	Fig.34
7	64QAM	2535	21100	20	100	0	17.840	Fig.35
7	64QAM	2560	21350	20	100	0	17.830	Fig.36

Test Mode: QPSK

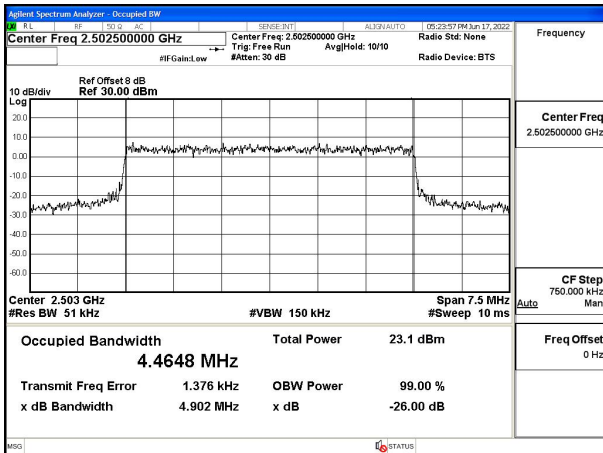


Fig.1

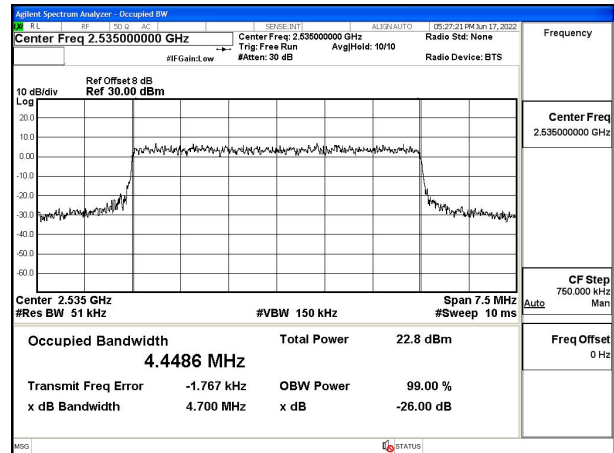


Fig.2

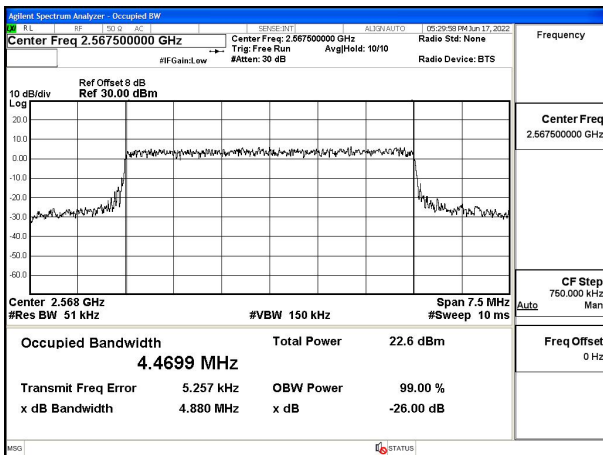


Fig.3

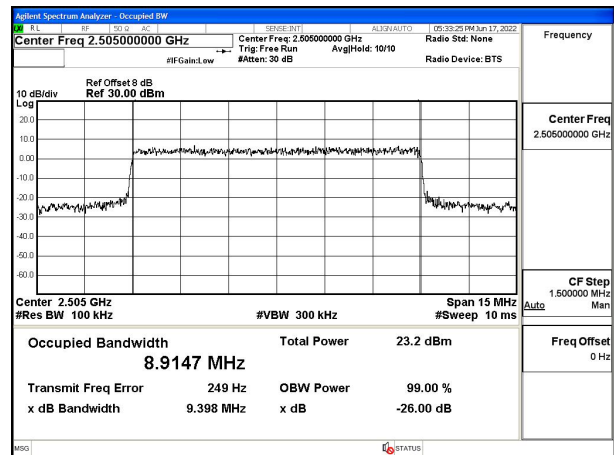


Fig.4

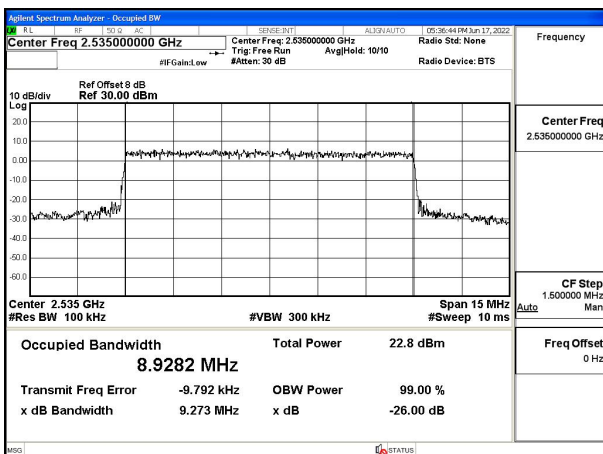


Fig.5

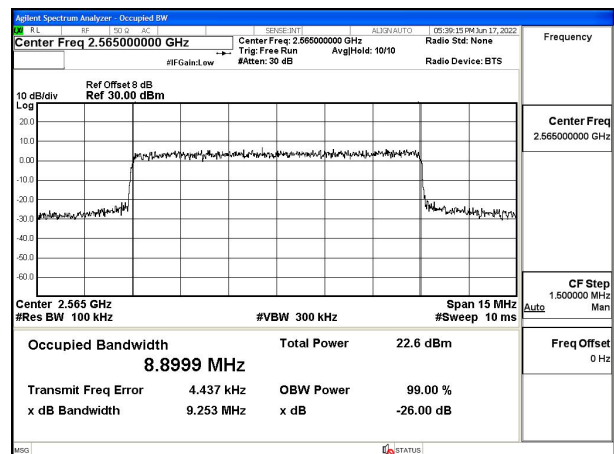


Fig.6

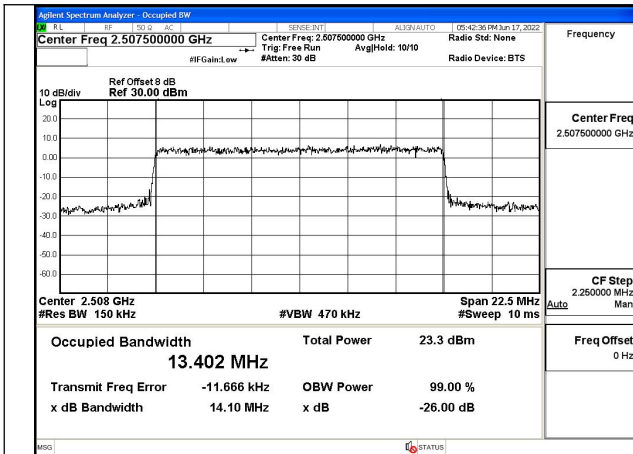


Fig.7

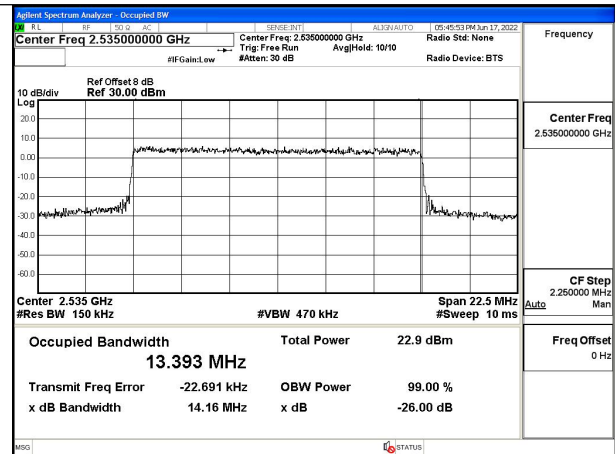


Fig.8

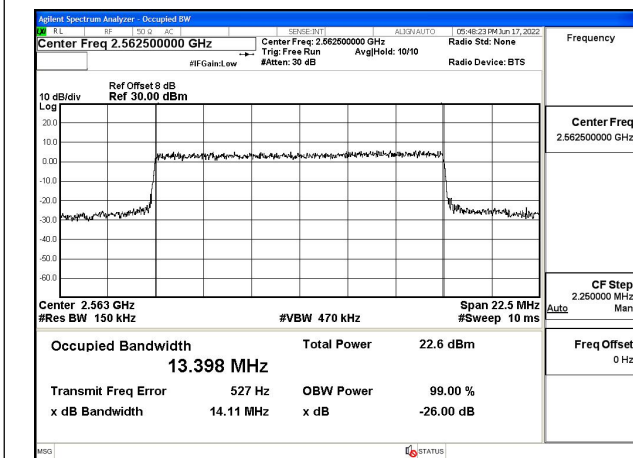


Fig.9

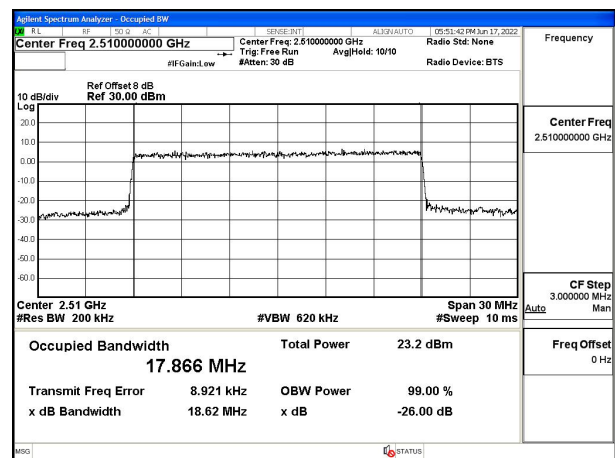


Fig.10

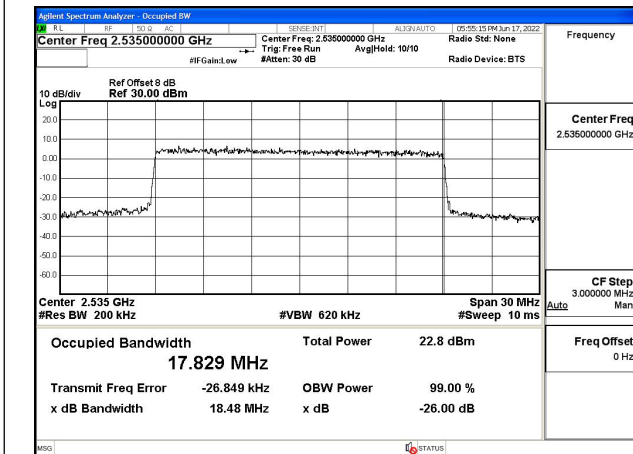


Fig.11

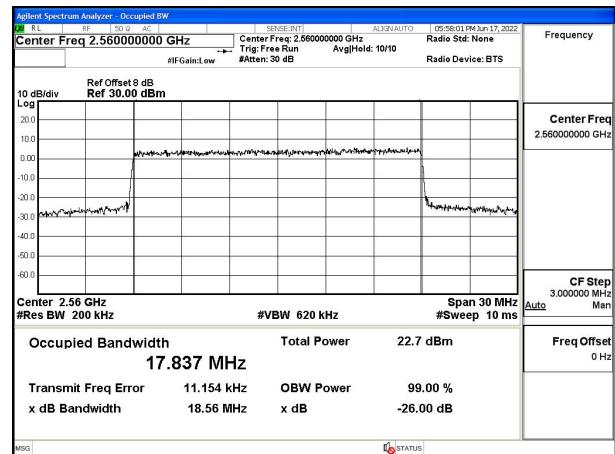


Fig.12

Test Mode: 16QAM

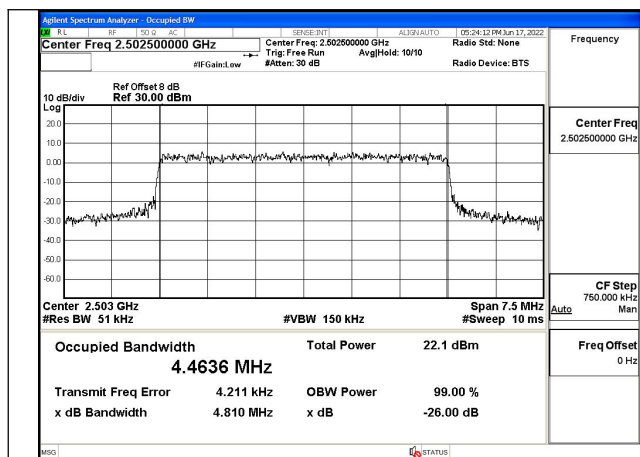


Fig.13

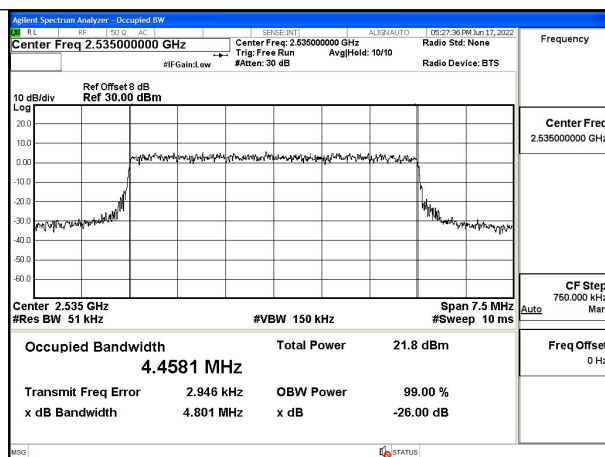


Fig.14

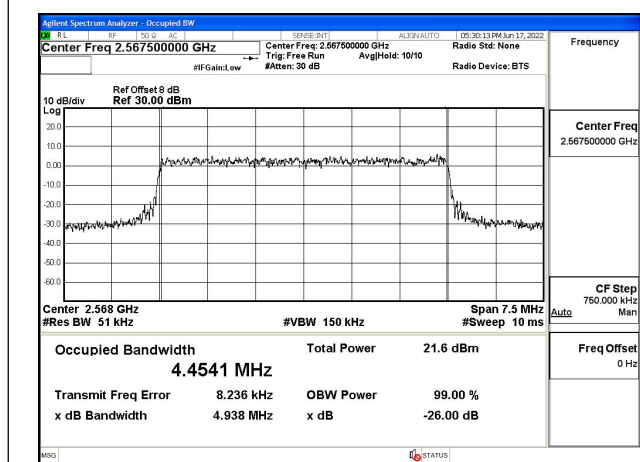


Fig.15

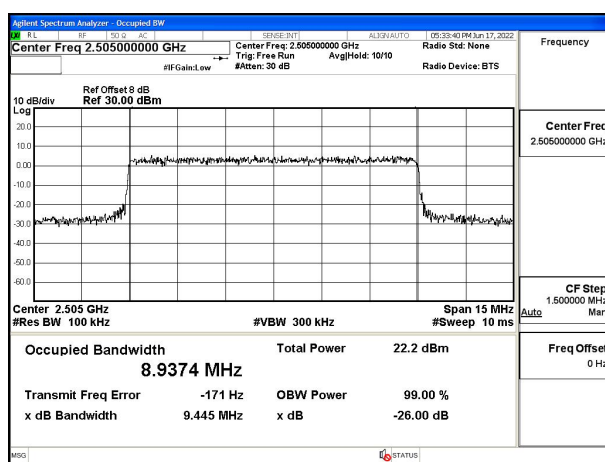


Fig.16

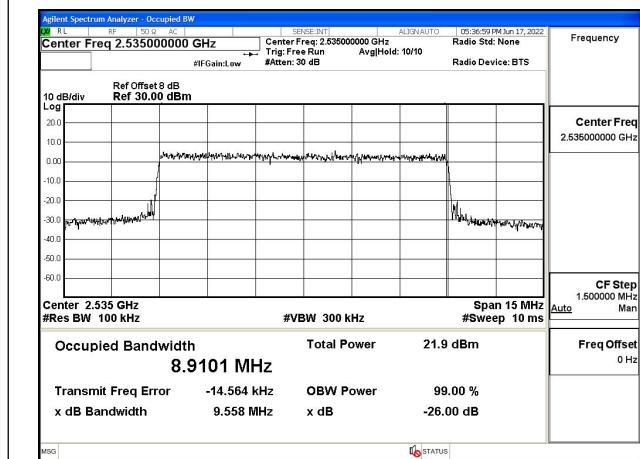


Fig.17

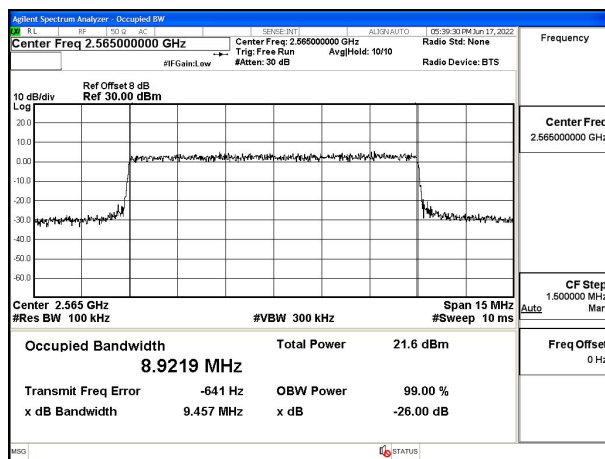


Fig.18

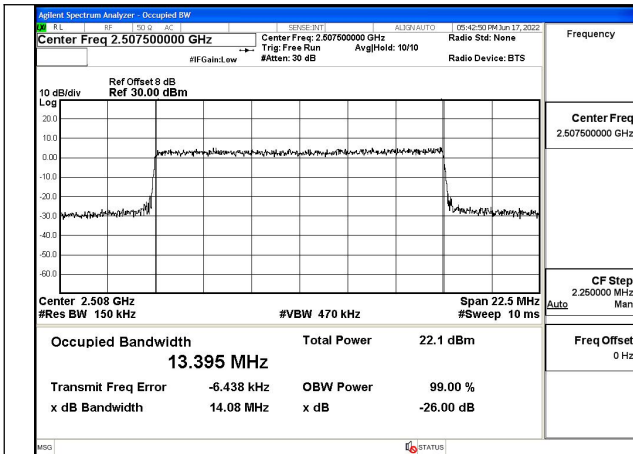


Fig.19

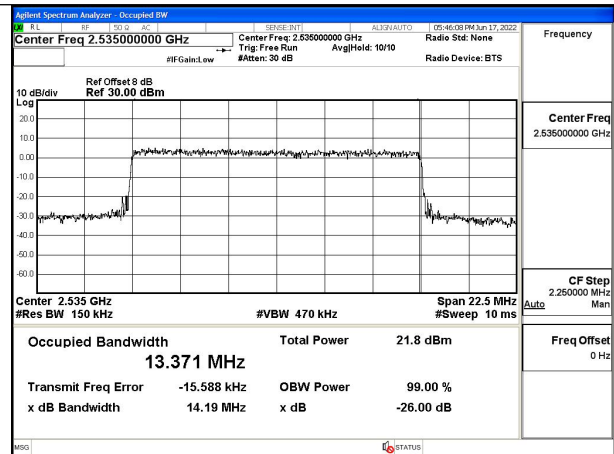


Fig.20

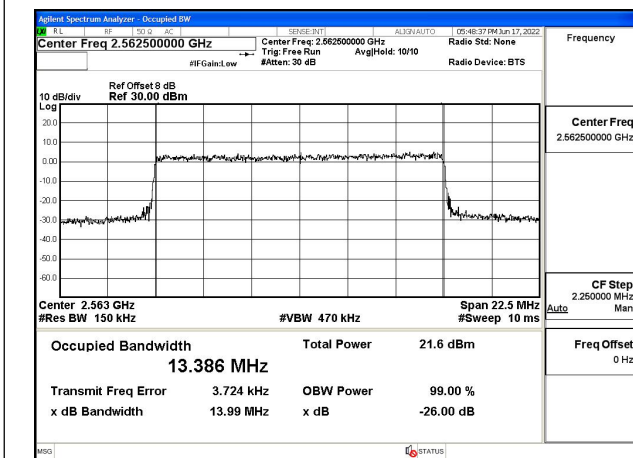


Fig.21

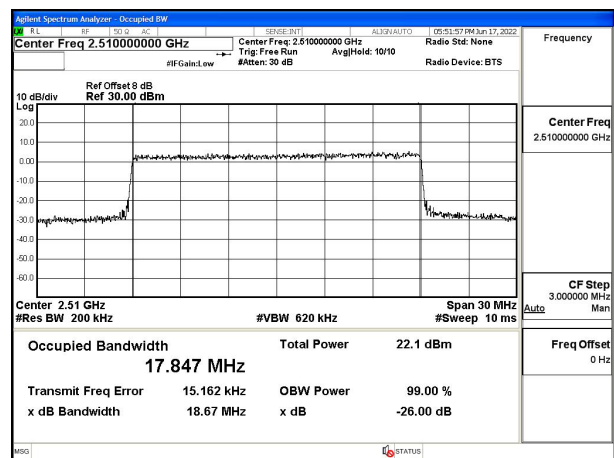


Fig.22

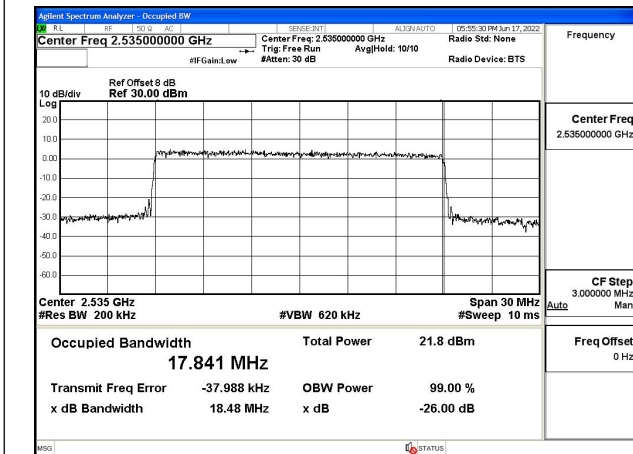


Fig.23

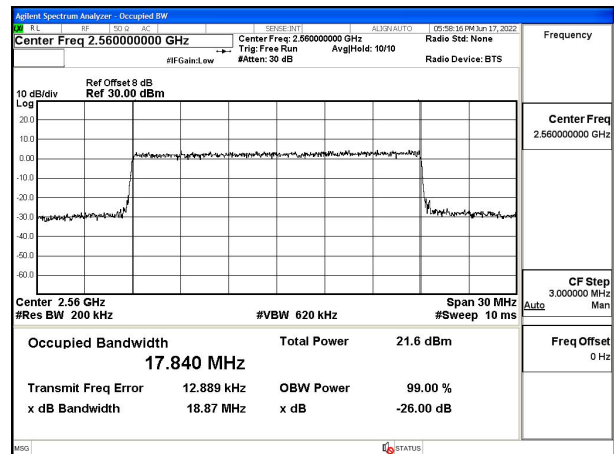


Fig.24

Test Mode: 64QAM

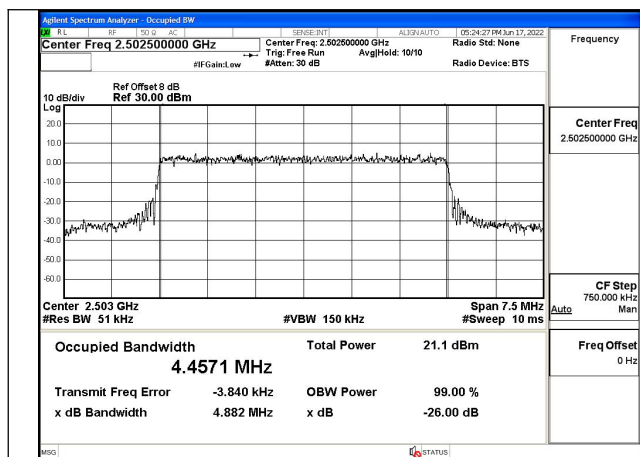


Fig.25

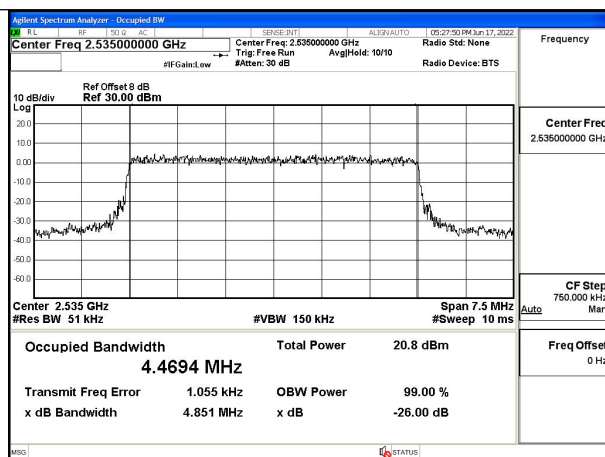


Fig.26

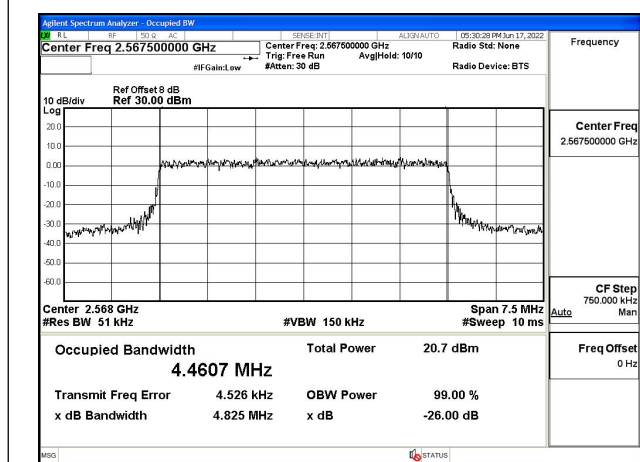


Fig.27

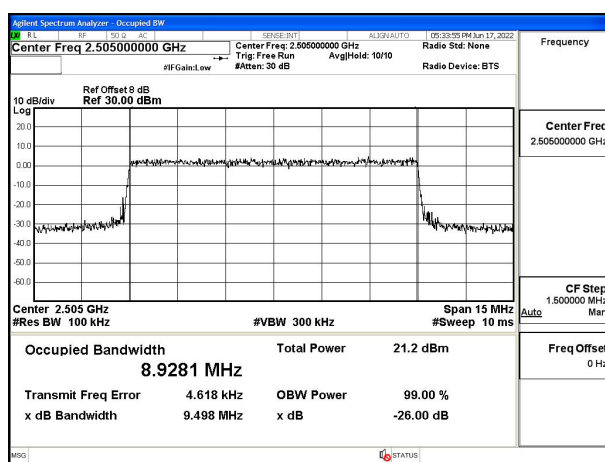


Fig.28

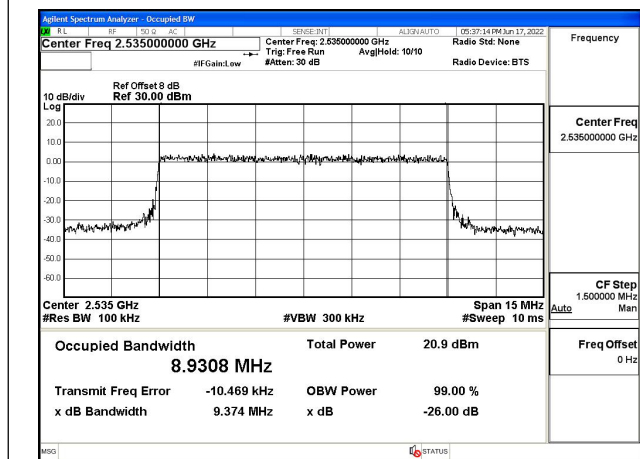


Fig.29

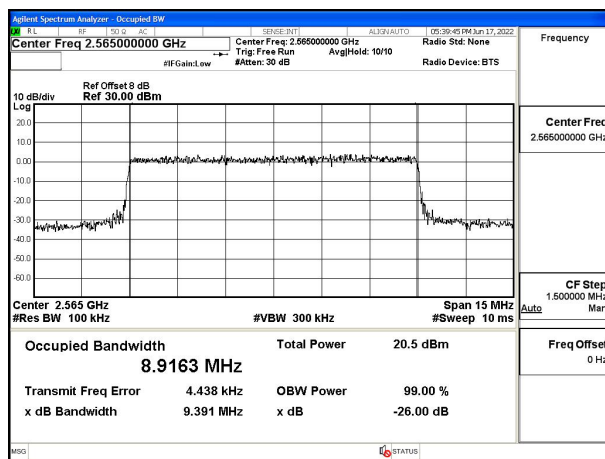


Fig.30

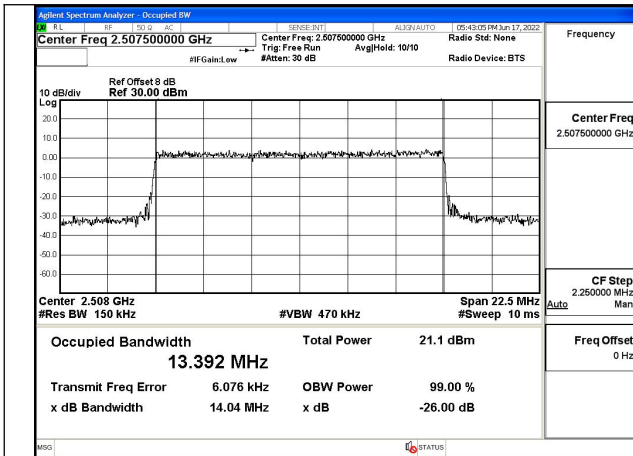


Fig.31

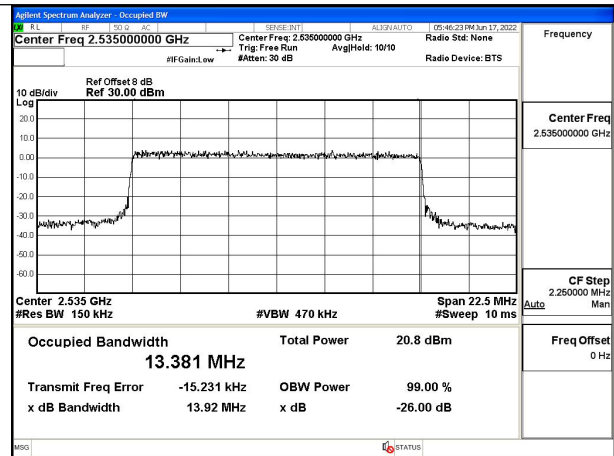


Fig.32

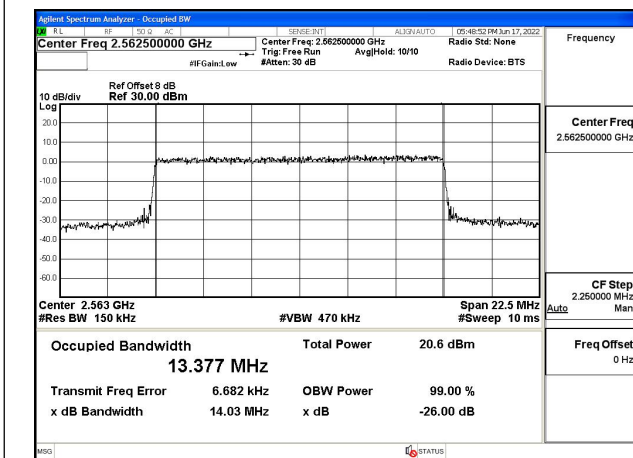


Fig.33

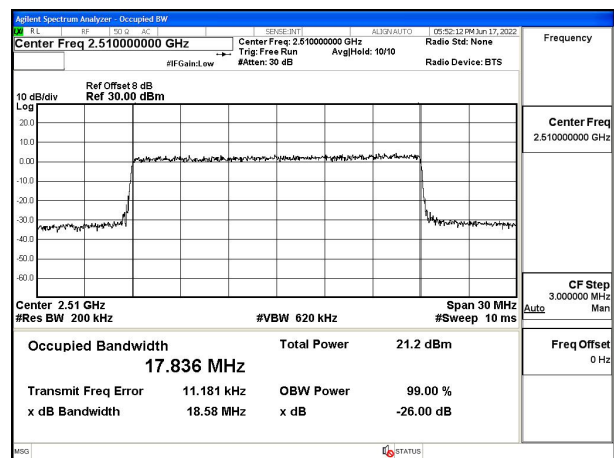


Fig.34

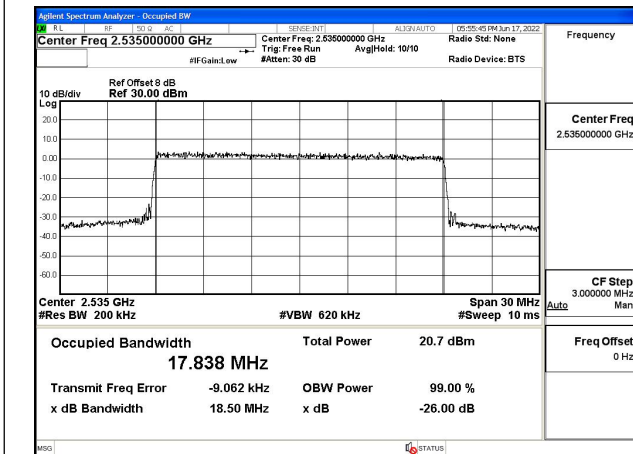


Fig.35

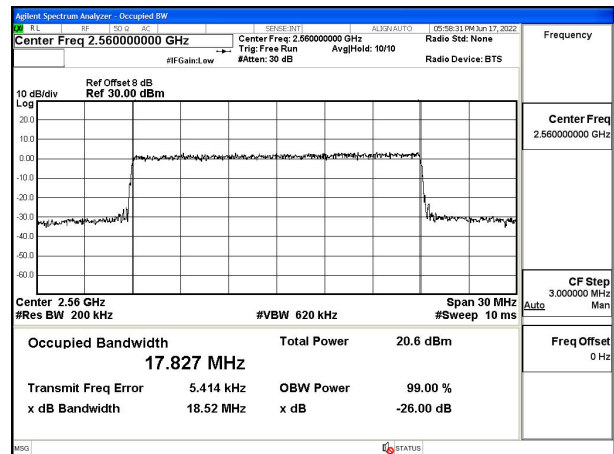


Fig.36

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	4.900	Fig.1
7	QPSK	2535	21100	5	25	0	4.700	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.880	Fig.3
7	QPSK	2505	20800	10	50	0	9.400	Fig.4
7	QPSK	2535	21100	10	50	0	9.270	Fig.5
7	QPSK	2565	21400	10	50	0	9.250	Fig.6
7	QPSK	2507.5	20825	15	75	0	14.100	Fig.7
7	QPSK	2535	21100	15	75	0	14.160	Fig.8
7	QPSK	2562.5	21375	15	75	0	14.110	Fig.9
7	QPSK	2510	20850	20	100	0	18.620	Fig.10
7	QPSK	2535	21100	20	100	0	18.480	Fig.11
7	QPSK	2560	21350	20	100	0	18.560	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	4.810	Fig.13
7	16QAM	2535	21100	5	25	0	4.800	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.940	Fig.15
7	16QAM	2505	20800	10	50	0	9.450	Fig.16
7	16QAM	2535	21100	10	50	0	9.560	Fig.17
7	16QAM	2565	21400	10	50	0	9.460	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.080	Fig.19
7	16QAM	2535	21100	15	75	0	14.190	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.990	Fig.21
7	16QAM	2510	20850	20	100	0	18.670	Fig.22
7	16QAM	2535	21100	20	100	0	18.480	Fig.23
7	16QAM	2560	21350	20	100	0	18.870	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	4.880	Fig.25
7	64QAM	2535	21100	5	25	0	4.850	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.820	Fig.27
7	64QAM	2505	20800	10	50	0	9.500	Fig.28
7	64QAM	2535	21100	10	50	0	9.370	Fig.29
7	64QAM	2565	21400	10	50	0	9.390	Fig.30
7	64QAM	2507.5	20825	15	75	0	14.040	Fig.31
7	64QAM	2535	21100	15	75	0	13.920	Fig.32
7	64QAM	2562.5	21375	15	75	0	14.030	Fig.33
7	64QAM	2510	20850	20	100	0	18.580	Fig.34
7	64QAM	2535	21100	20	100	0	18.500	Fig.35
7	64QAM	2560	21350	20	100	0	18.520	Fig.36

Test Mode: QPSK

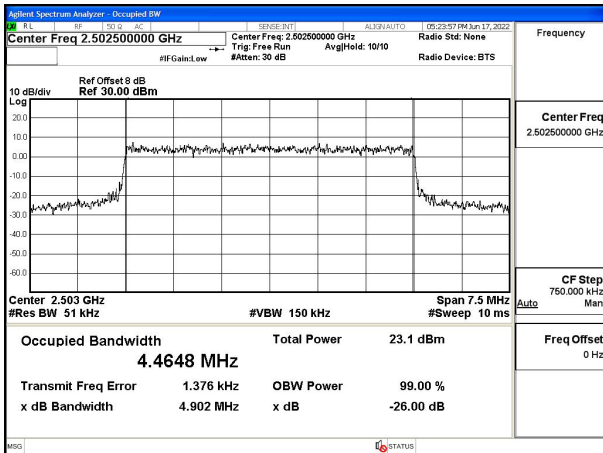


Fig.1

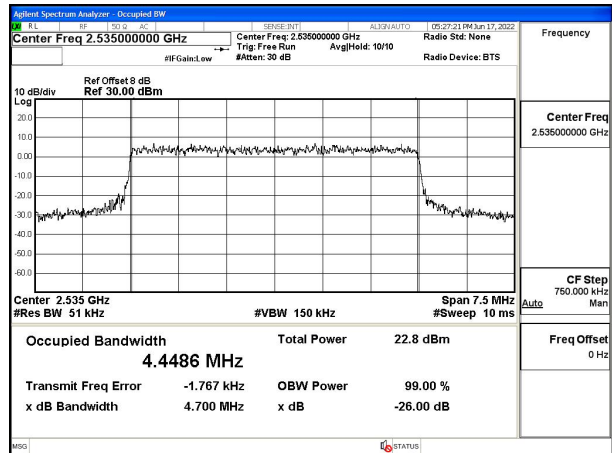


Fig.2

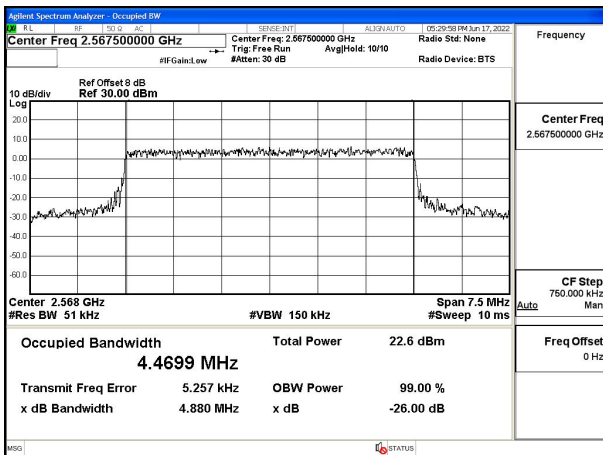


Fig.3

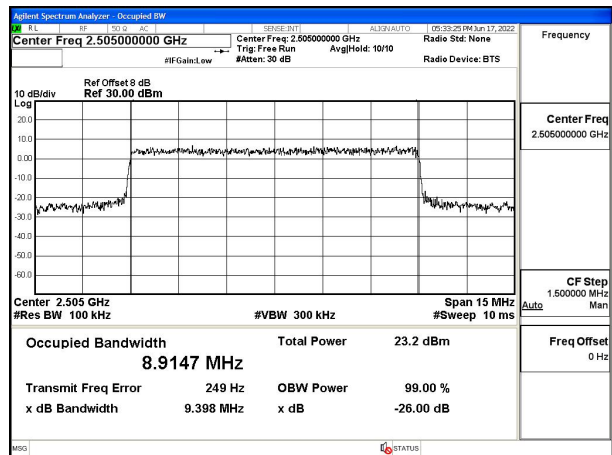


Fig.4

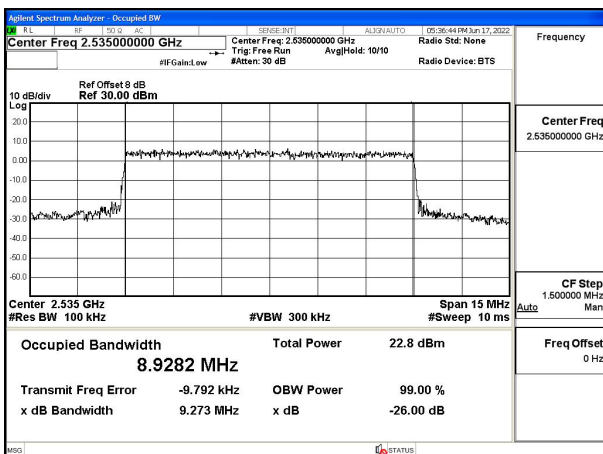


Fig.5

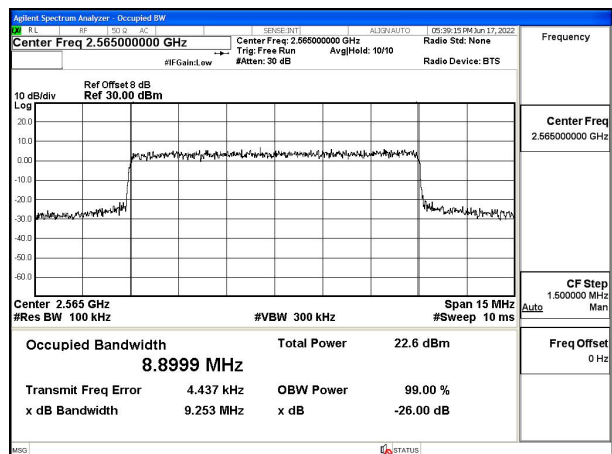


Fig.6

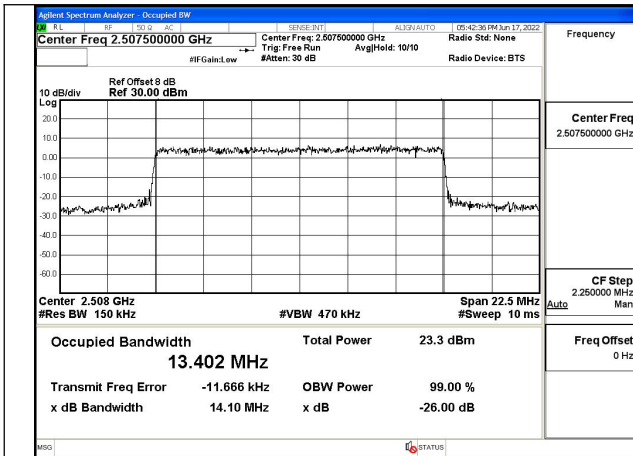


Fig.7

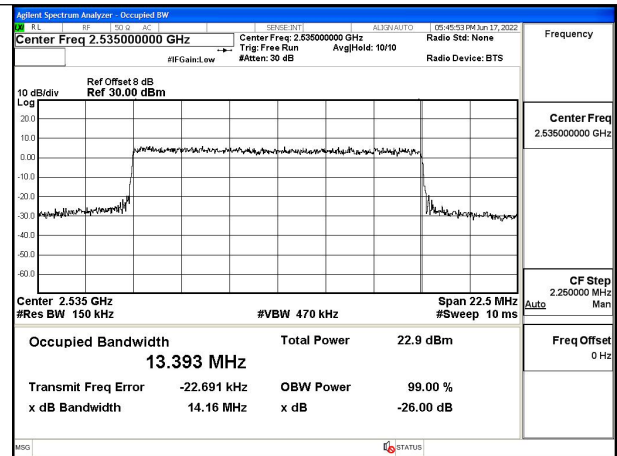


Fig.8

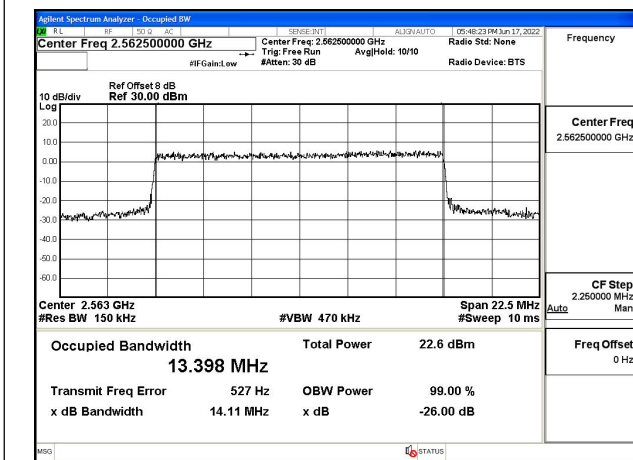


Fig.9

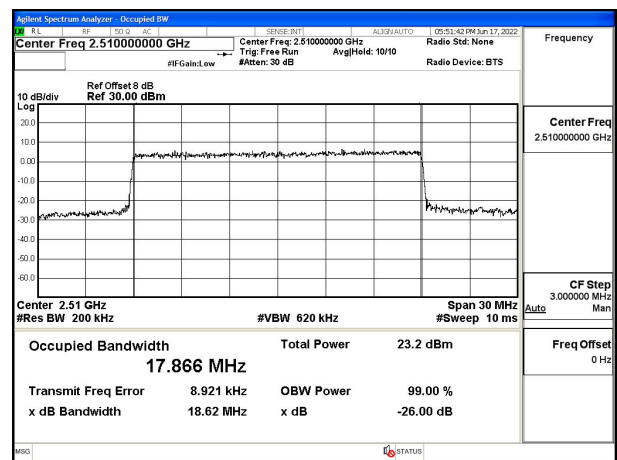


Fig.10

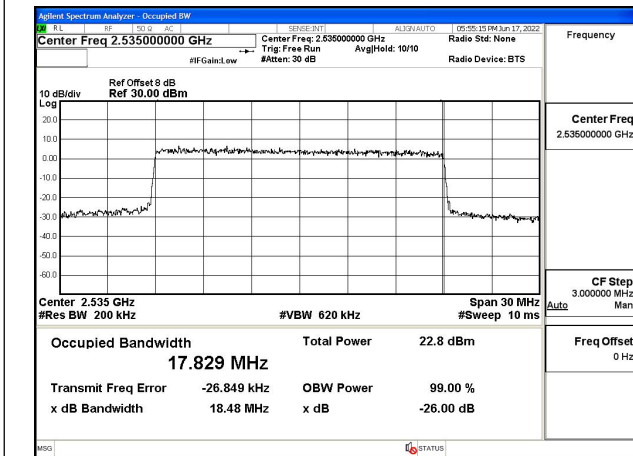


Fig.11

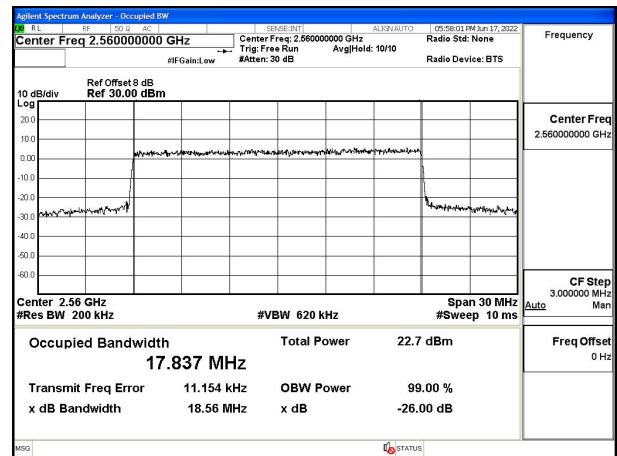


Fig.12

Test Mode: 16QAM