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	23.59
QPSK	2502.5	20775	5	1	12	23.49
QPSK	2502.5	20775	5	1	24	23.47
QPSK	2502.5	20775	5	12	0	22.79
QPSK	2502.5	20775	5	12	7	22.52
QPSK	2502.5	20775	5	12	13	22.63
QPSK	2502.5	20775	5	25	0	22.69
QPSK	2535	21100	5	1	0	23.55
QPSK	2535	21100	5	1	12	23.56
QPSK	2535	21100	5	1	24	23.57
QPSK	2535	21100	5	12	0	22.60
QPSK	2535	21100	5	12	7	22.26
QPSK	2535	21100	5	12	13	22.61
QPSK	2535	21100	5	25	0	22.54
QPSK	2567.5	21425	5	1	0	23.56
QPSK	2567.5	21425	5	1	12	23.65
QPSK	2567.5	21425	5	1	24	23.52
QPSK	2567.5	21425	5	12	0	22.46
QPSK	2567.5	21425	5	12	7	22.36
QPSK	2567.5	21425	5	12	13	22.41
QPSK	2567.5	21425	5	25	0	22.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	22.76
16QAM	2502.5	20775	5	1	12	23.24
16QAM	2502.5	20775	5	1	24	23.64
16QAM	2502.5	20775	5	12	0	21.69
16QAM	2502.5	20775	5	12	7	21.73
16QAM	2502.5	20775	5	12	13	21.72
16QAM	2502.5	20775	5	25	0	21.73
16QAM	2535	21100	5	1	0	23.06
16QAM	2535	21100	5	1	12	22.66
16QAM	2535	21100	5	1	24	23.08
16QAM	2535	21100	5	12	0	21.67
16QAM	2535	21100	5	12	7	21.33
16QAM	2535	21100	5	12	13	21.31
16QAM	2535	21100	5	25	0	21.62
16QAM	2567.5	21425	5	1	0	22.80
16QAM	2567.5	21425	5	1	12	22.51
16QAM	2567.5	21425	5	1	24	22.64
16QAM	2567.5	21425	5	12	0	21.40
16QAM	2567.5	21425	5	12	7	21.39
16QAM	2567.5	21425	5	12	13	21.42
16QAM	2567.5	21425	5	25	0	21.27
64QAM	2502.5	20775	5	1	0	21.73
64QAM	2502.5	20775	5	1	12	21.72
64QAM	2502.5	20775	5	1	24	23.11
64QAM	2502.5	20775	5	12	0	20.40
64QAM	2502.5	20775	5	12	7	20.10
64QAM	2502.5	20775	5	12	13	20.21
64QAM	2502.5	20775	5	25	0	20.09
64QAM	2535	21100	5	1	0	21.56
64QAM	2535	21100	5	1	12	22.15
64QAM	2535	21100	5	1	24	21.65
64QAM	2535	21100	5	12	0	20.10
64QAM	2535	21100	5	12	7	20.33
64QAM	2535	21100	5	12	13	19.86
64QAM	2535	21100	5	25	0	20.45
64QAM	2567.5	21425	5	1	0	21.07
64QAM	2567.5	21425	5	1	12	21.32
64QAM	2567.5	21425	5	1	24	21.48
64QAM	2567.5	21425	5	12	0	19.86
64QAM	2567.5	21425	5	12	7	19.86
64QAM	2567.5	21425	5	12	13	20.01
64QAM	2567.5	21425	5	25	0	20.09

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	24.05
QPSK	2505	20800	10	1	25	24.03
QPSK	2505	20800	10	1	49	23.91
QPSK	2505	20800	10	25	0	22.82
QPSK	2505	20800	10	25	12	22.85
QPSK	2505	20800	10	25	25	22.67
QPSK	2505	20800	10	50	0	22.75
QPSK	2535	21100	10	1	0	24.06
QPSK	2535	21100	10	1	25	23.76
QPSK	2535	21100	10	1	49	23.47
QPSK	2535	21100	10	25	0	22.59
QPSK	2535	21100	10	25	12	22.39
QPSK	2535	21100	10	25	25	22.33
QPSK	2535	21100	10	50	0	22.43
QPSK	2565	21400	10	1	0	23.32
QPSK	2565	21400	10	1	25	23.69
QPSK	2565	21400	10	1	49	23.70
QPSK	2565	21400	10	25	0	22.51
QPSK	2565	21400	10	25	12	22.47
QPSK	2565	21400	10	25	25	22.42
QPSK	2565	21400	10	50	0	22.41

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	23.39
16QAM	2505	20800	10	1	25	23.30
16QAM	2505	20800	10	1	49	23.08
16QAM	2505	20800	10	25	0	21.92
16QAM	2505	20800	10	25	12	21.97
16QAM	2505	20800	10	25	25	21.96
16QAM	2505	20800	10	50	0	21.88
16QAM	2535	21100	10	1	0	22.90
16QAM	2535	21100	10	1	25	22.57
16QAM	2535	21100	10	1	49	22.52
16QAM	2535	21100	10	25	0	21.97
16QAM	2535	21100	10	25	12	21.61
16QAM	2535	21100	10	25	25	21.59
16QAM	2535	21100	10	50	0	21.38
16QAM	2565	21400	10	1	0	22.90
16QAM	2565	21400	10	1	25	22.67
16QAM	2565	21400	10	1	49	22.45
16QAM	2565	21400	10	25	0	21.44
16QAM	2565	21400	10	25	12	21.46
16QAM	2565	21400	10	25	25	21.45
16QAM	2565	21400	10	50	0	21.41
64QAM	2505	20800	10	1	0	21.59
64QAM	2505	20800	10	1	25	21.31
64QAM	2505	20800	10	1	49	21.85
64QAM	2505	20800	10	25	0	20.22
64QAM	2505	20800	10	25	12	20.26
64QAM	2505	20800	10	25	25	20.37
64QAM	2505	20800	10	50	0	20.35
64QAM	2535	21100	10	1	0	22.11
64QAM	2535	21100	10	1	25	21.71
64QAM	2535	21100	10	1	49	21.57
64QAM	2535	21100	10	25	0	20.19
64QAM	2535	21100	10	25	12	20.17
64QAM	2535	21100	10	25	25	20.04
64QAM	2535	21100	10	50	0	20.36
64QAM	2565	21400	10	1	0	21.16
64QAM	2565	21400	10	1	25	21.23
64QAM	2565	21400	10	1	49	21.44
64QAM	2565	21400	10	25	0	20.02
64QAM	2565	21400	10	25	12	19.93
64QAM	2565	21400	10	25	25	19.78
64QAM	2565	21400	10	50	0	20.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	23.92
QPSK	2507.5	20825	15	1	37	23.73
QPSK	2507.5	20825	15	1	74	23.77
QPSK	2507.5	20825	15	36	0	22.75
QPSK	2507.5	20825	15	36	29	22.83
QPSK	2507.5	20825	15	36	30	22.83
QPSK	2507.5	20825	15	75	0	22.90
QPSK	2535	21100	15	1	0	23.72
QPSK	2535	21100	15	1	37	23.50
QPSK	2535	21100	15	1	74	23.32
QPSK	2535	21100	15	36	0	22.59
QPSK	2535	21100	15	36	29	22.49
QPSK	2535	21100	15	36	30	22.48
QPSK	2535	21100	15	75	0	22.39
QPSK	2562.5	21375	15	1	0	23.22
QPSK	2562.5	21375	15	1	37	23.39
QPSK	2562.5	21375	15	1	74	23.22
QPSK	2562.5	21375	15	36	0	22.47
QPSK	2562.5	21375	15	36	29	22.33
QPSK	2562.5	21375	15	36	30	22.36
QPSK	2562.5	21375	15	75	0	22.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	23.71
16QAM	2507.5	20825	15	1	37	23.52
16QAM	2507.5	20825	15	1	74	23.15
16QAM	2507.5	20825	15	36	0	21.86
16QAM	2507.5	20825	15	36	29	21.72
16QAM	2507.5	20825	15	36	30	21.79
16QAM	2507.5	20825	15	75	0	21.90
16QAM	2535	21100	15	1	0	23.06
16QAM	2535	21100	15	1	37	22.76
16QAM	2535	21100	15	1	74	22.58
16QAM	2535	21100	15	36	0	21.84
16QAM	2535	21100	15	36	29	21.48
16QAM	2535	21100	15	36	30	21.31
16QAM	2535	21100	15	75	0	21.61
16QAM	2562.5	21375	15	1	0	22.78
16QAM	2562.5	21375	15	1	37	23.27
16QAM	2562.5	21375	15	1	74	22.95
16QAM	2562.5	21375	15	36	0	21.44
16QAM	2562.5	21375	15	36	29	21.35
16QAM	2562.5	21375	15	36	30	21.26
16QAM	2562.5	21375	15	75	0	21.61
64QAM	2507.5	20825	15	1	0	21.98
64QAM	2507.5	20825	15	1	37	21.80
64QAM	2507.5	20825	15	1	74	21.96
64QAM	2507.5	20825	15	36	0	20.42
64QAM	2507.5	20825	15	36	29	20.40
64QAM	2507.5	20825	15	36	30	20.42
64QAM	2507.5	20825	15	75	0	20.40
64QAM	2535	21100	15	1	0	21.83
64QAM	2535	21100	15	1	37	21.40
64QAM	2535	21100	15	1	74	21.11
64QAM	2535	21100	15	36	0	20.39
64QAM	2535	21100	15	36	29	19.96
64QAM	2535	21100	15	36	30	20.01
64QAM	2535	21100	15	75	0	20.23
64QAM	2562.5	21375	15	1	0	21.18
64QAM	2562.5	21375	15	1	37	21.56
64QAM	2562.5	21375	15	1	74	21.60
64QAM	2562.5	21375	15	36	0	19.94
64QAM	2562.5	21375	15	36	29	20.09
64QAM	2562.5	21375	15	36	30	19.82
64QAM	2562.5	21375	15	75	0	19.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.83
QPSK	2510	20850	20	1	49	23.99
QPSK	2510	20850	20	1	99	23.64
QPSK	2510	20850	20	50	0	22.88
QPSK	2510	20850	20	50	24	22.75
QPSK	2510	20850	20	50	50	22.84
QPSK	2510	20850	20	100	0	22.93
QPSK	2535	21100	20	1	0	23.89
QPSK	2535	21100	20	1	49	23.37
QPSK	2535	21100	20	1	99	23.13
QPSK	2535	21100	20	50	0	22.73
QPSK	2535	21100	20	50	24	22.34
QPSK	2535	21100	20	50	50	22.24
QPSK	2535	21100	20	100	0	22.40
QPSK	2560	21350	20	1	0	23.39
QPSK	2560	21350	20	1	49	23.20
QPSK	2560	21350	20	1	99	23.28
QPSK	2560	21350	20	50	0	22.37
QPSK	2560	21350	20	50	24	22.52
QPSK	2560	21350	20	50	50	22.35
QPSK	2560	21350	20	100	0	22.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	23.34
16QAM	2510	20850	20	1	49	23.34
16QAM	2510	20850	20	1	99	23.37
16QAM	2510	20850	20	50	0	21.97
16QAM	2510	20850	20	50	24	21.90
16QAM	2510	20850	20	50	50	21.91
16QAM	2510	20850	20	100	0	22.04
16QAM	2535	21100	20	1	0	23.27
16QAM	2535	21100	20	1	49	23.22
16QAM	2535	21100	20	1	99	22.42
16QAM	2535	21100	20	50	0	21.67
16QAM	2535	21100	20	50	24	21.57
16QAM	2535	21100	20	50	50	21.38
16QAM	2535	21100	20	100	0	21.54
16QAM	2560	21350	20	1	0	23.17
16QAM	2560	21350	20	1	49	22.98
16QAM	2560	21350	20	1	99	23.43
16QAM	2560	21350	20	50	0	21.27
16QAM	2560	21350	20	50	24	21.55
16QAM	2560	21350	20	50	50	21.46
16QAM	2560	21350	20	100	0	21.48
64QAM	2510	20850	20	1	0	21.77
64QAM	2510	20850	20	1	49	22.20
64QAM	2510	20850	20	1	99	22.34
64QAM	2510	20850	20	50	0	20.53
64QAM	2510	20850	20	50	24	20.42
64QAM	2510	20850	20	50	50	20.39
64QAM	2510	20850	20	100	0	20.36
64QAM	2535	21100	20	1	0	21.45
64QAM	2535	21100	20	1	49	20.94
64QAM	2535	21100	20	1	99	22.05
64QAM	2535	21100	20	50	0	20.46
64QAM	2535	21100	20	50	24	20.45
64QAM	2535	21100	20	50	50	20.11
64QAM	2535	21100	20	100	0	20.48
64QAM	2560	21350	20	1	0	21.86
64QAM	2560	21350	20	1	49	21.76
64QAM	2560	21350	20	1	99	21.87
64QAM	2560	21350	20	50	0	20.15
64QAM	2560	21350	20	50	24	19.92
64QAM	2560	21350	20	50	50	20.11
64QAM	2560	21350	20	100	0	19.90

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	4.460	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.450	Fig.3
7	QPSK	2505	20800	10	50	0	8.920	Fig.4
7	QPSK	2535	21100	10	50	0	8.900	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	13.380	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.390	Fig.9
7	QPSK	2510	20850	20	100	0	17.840	Fig.10
7	QPSK	2535	21100	20	100	0	17.810	Fig.11
7	QPSK	2560	21350	20	100	0	17.810	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	4.450	Fig.13
7	16QAM	2535	21100	5	25	0	4.450	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.440	Fig.15
7	16QAM	2505	20800	10	50	0	8.900	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	13.390	Fig.19
7	16QAM	2535	21100	15	75	0	13.400	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.350	Fig.21
7	16QAM	2510	20850	20	100	0	17.850	Fig.22
7	16QAM	2535	21100	20	100	0	17.850	Fig.23
7	16QAM	2560	21350	20	100	0	17.830	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	4.450	Fig.25
7	64QAM	2535	21100	5	25	0	4.460	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.450	Fig.27
7	64QAM	2505	20800	10	50	0	8.930	Fig.28
7	64QAM	2535	21100	10	50	0	8.920	Fig.29
7	64QAM	2565	21400	10	50	0	8.930	Fig.30
7	64QAM	2507.5	20825	15	75	0	13.410	Fig.31
7	64QAM	2535	21100	15	75	0	13.380	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.370	Fig.33
7	64QAM	2510	20850	20	100	0	17.850	Fig.34
7	64QAM	2535	21100	20	100	0	17.820	Fig.35
7	64QAM	2560	21350	20	100	0	17.820	Fig.36

Test Mode: QPSK

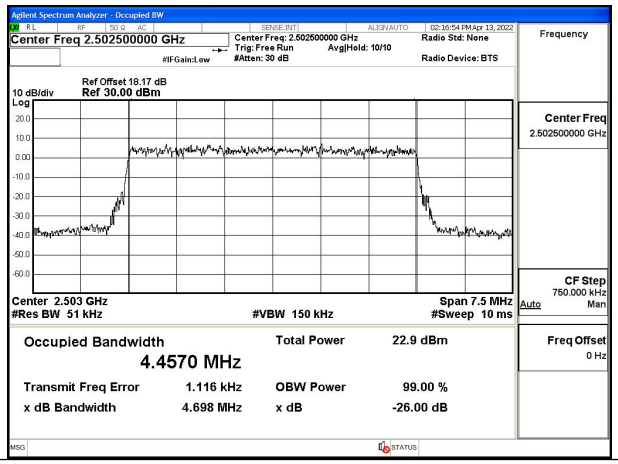

Fig.1

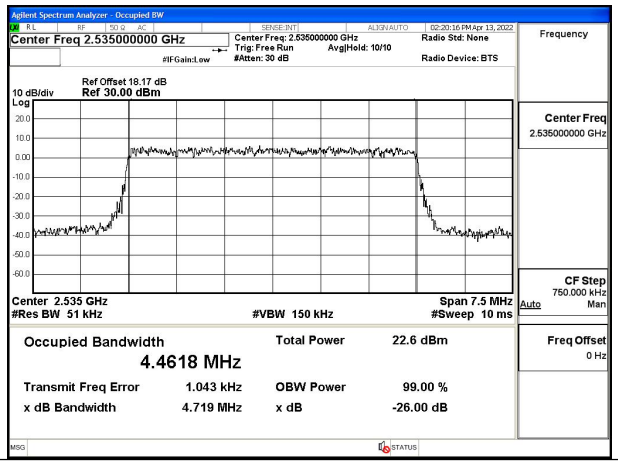

Fig.2

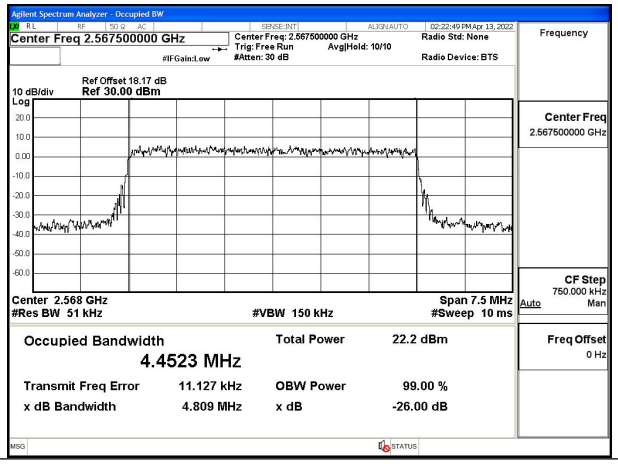

Fig.3

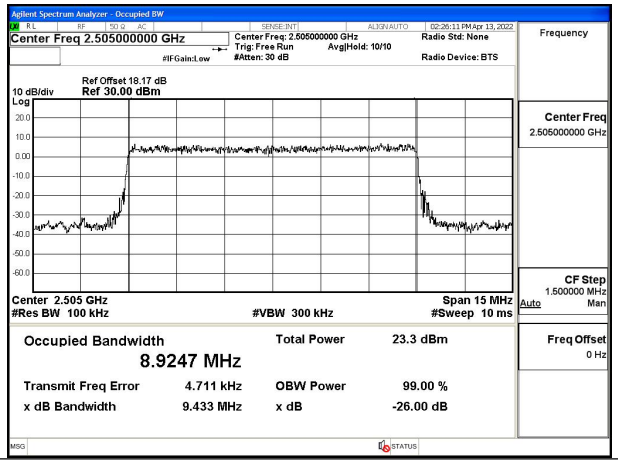

Fig.4

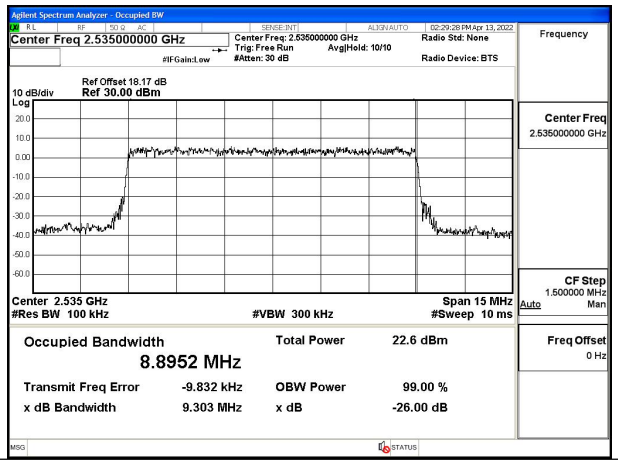

Fig.5

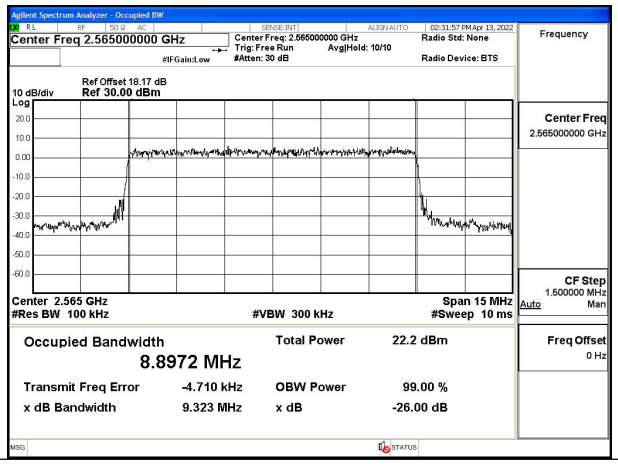

Fig.6

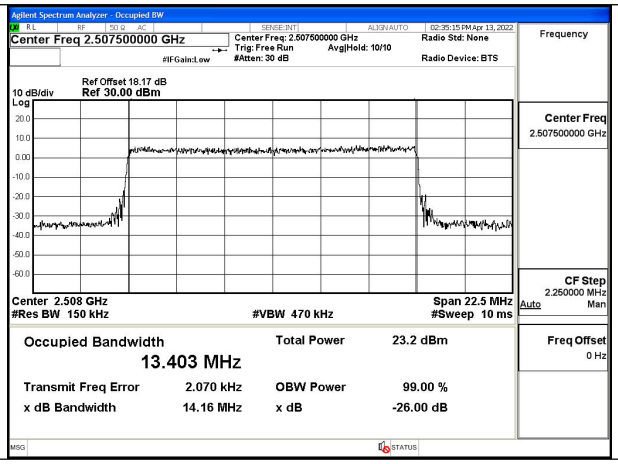

Fig.7

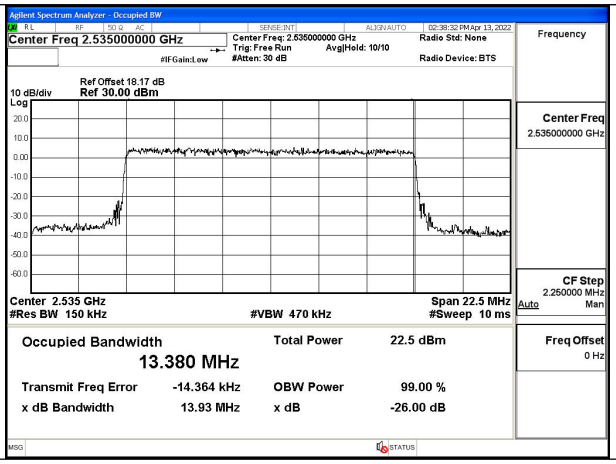

Fig.8

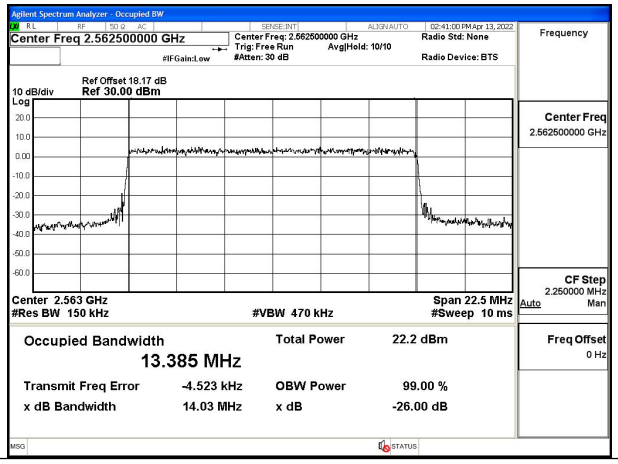

Fig.9

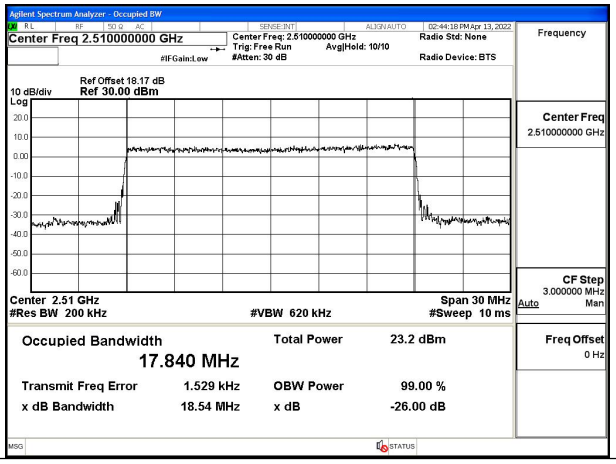

Fig.10

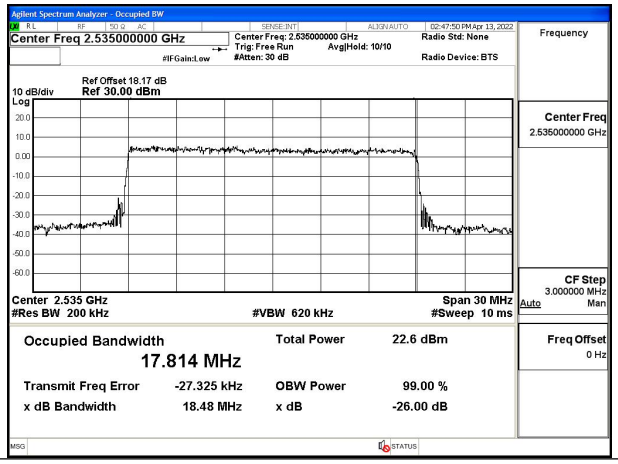

Fig.11

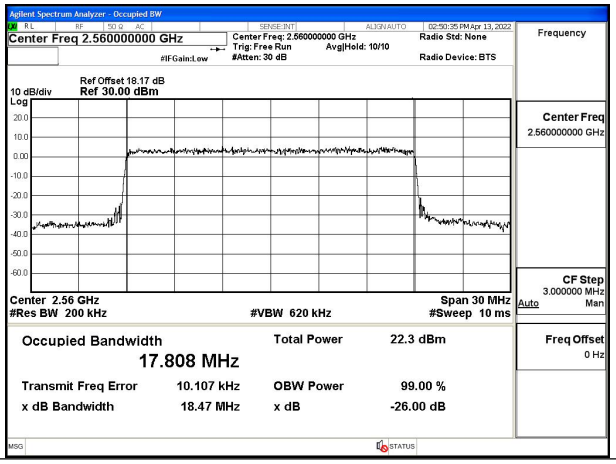

Fig.12

Test Mode: 16QAM

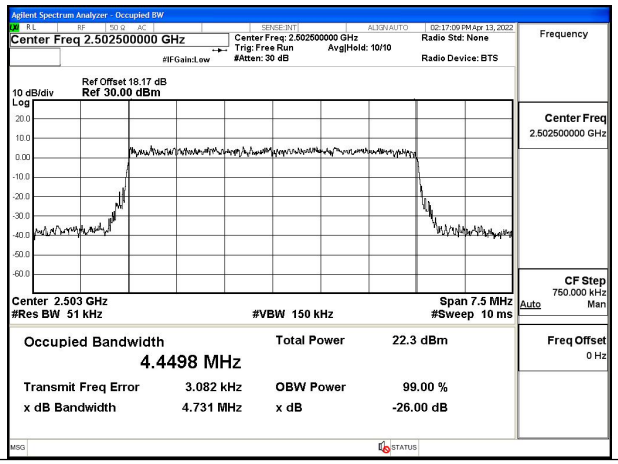

Fig.13

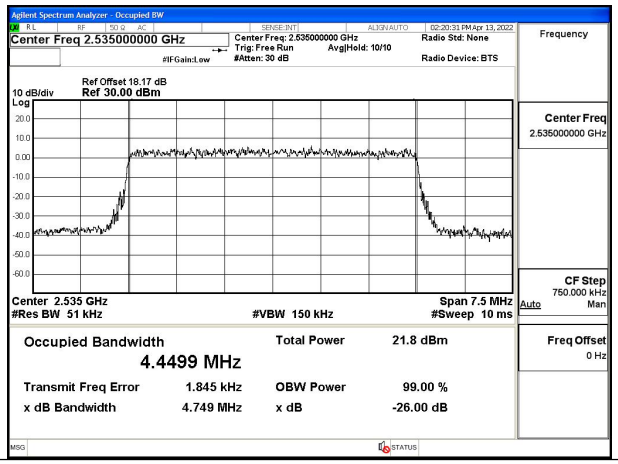

Fig.14

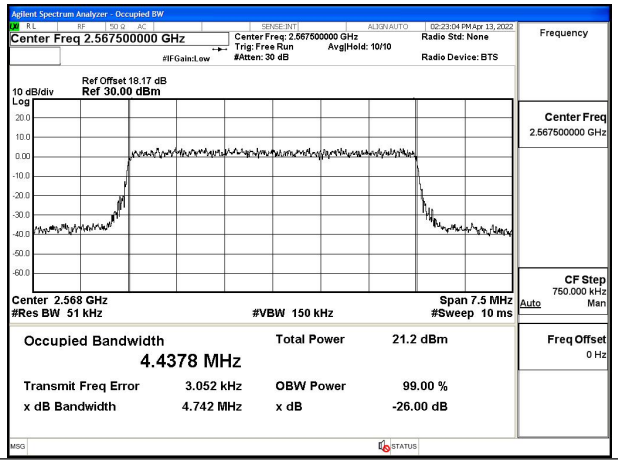

Fig.15

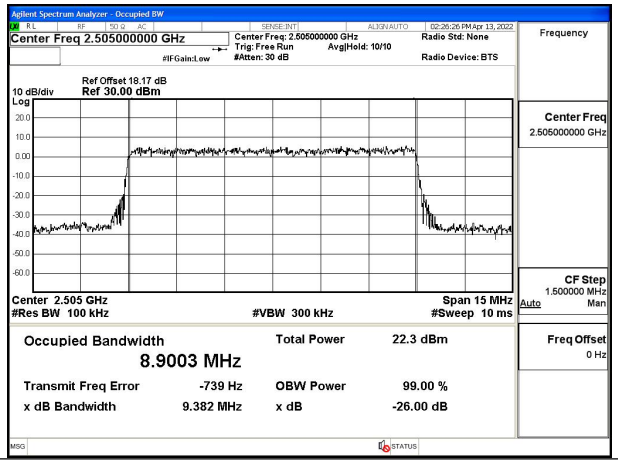

Fig.16

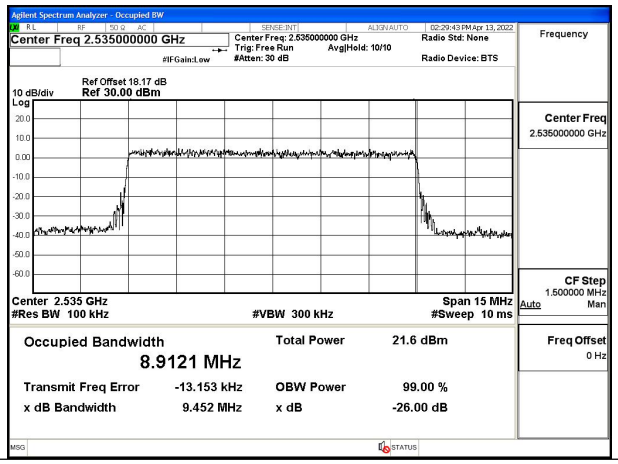

Fig.17

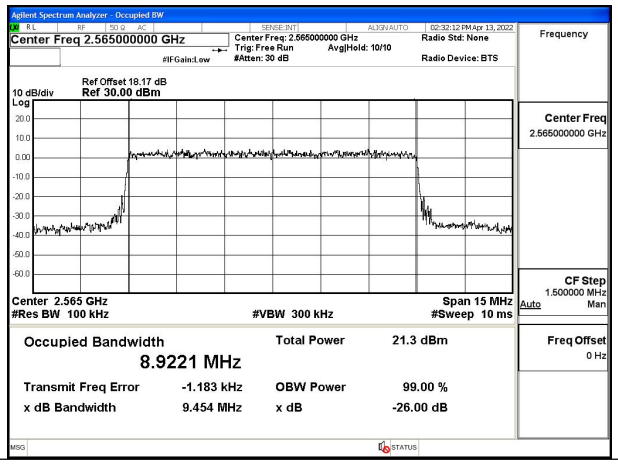

Fig.18

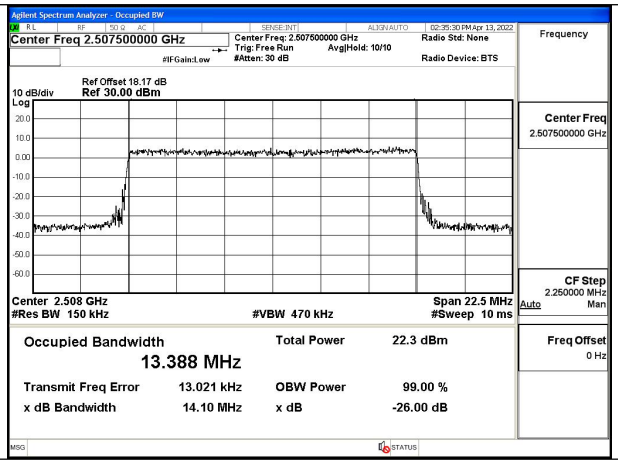

Fig.19

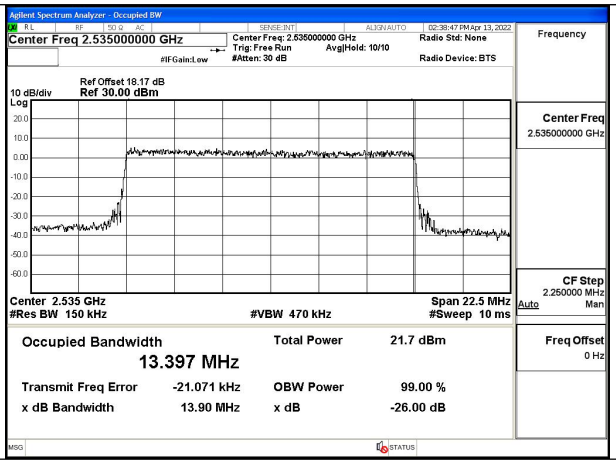

Fig.20

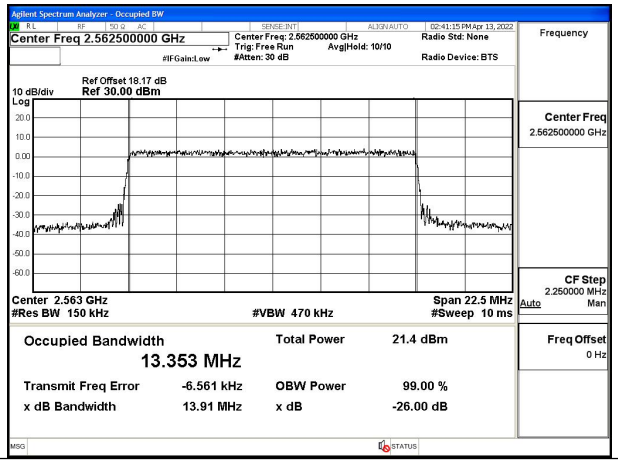

Fig.21

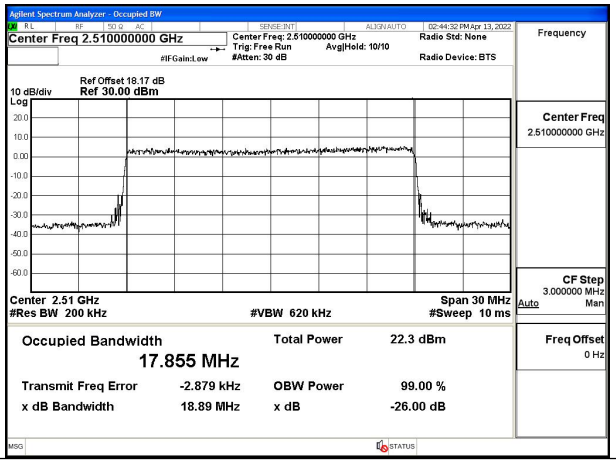

Fig.22

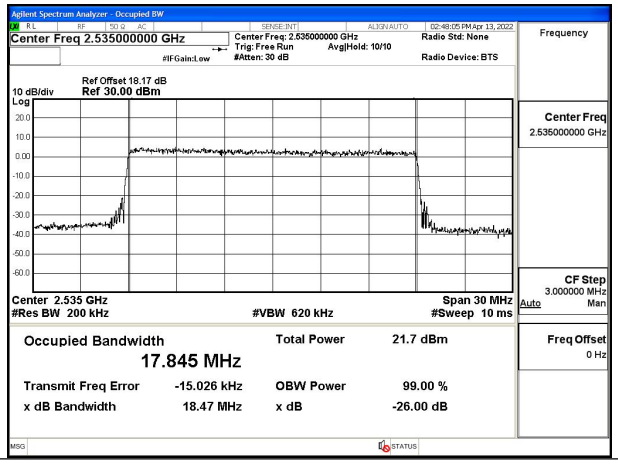

Fig.23

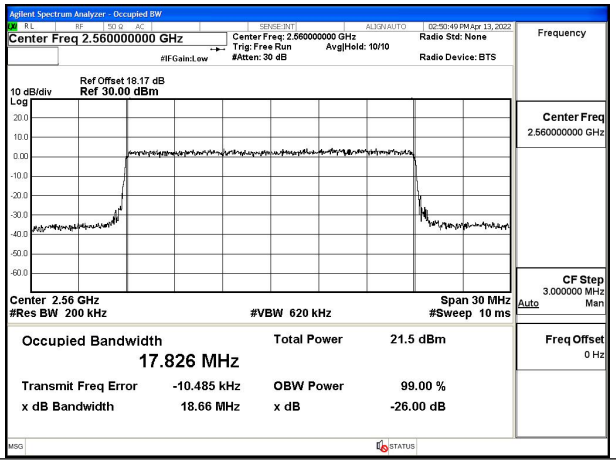

Fig.24

Test Mode: 64QAM

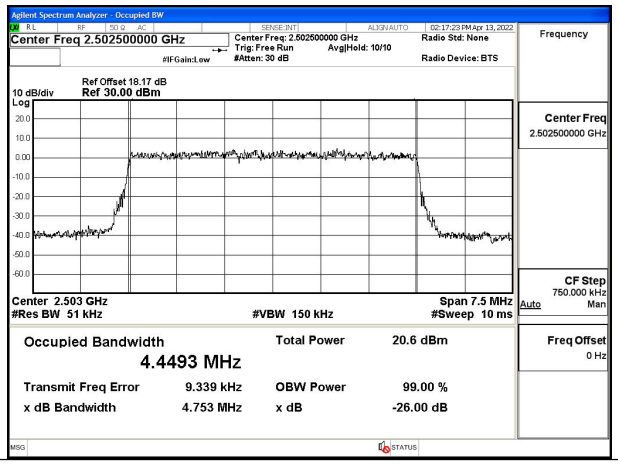

Fig.25

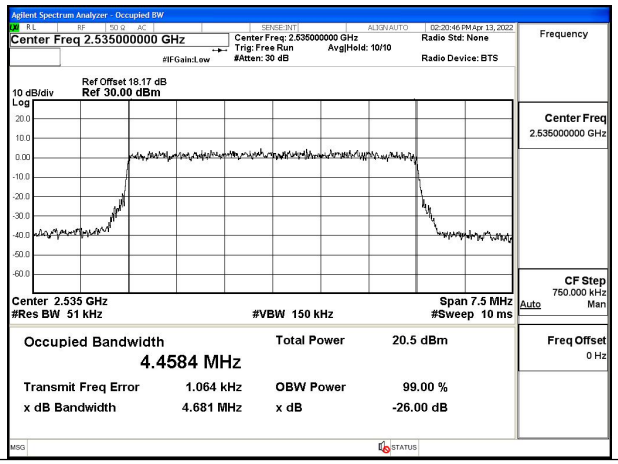

Fig.26

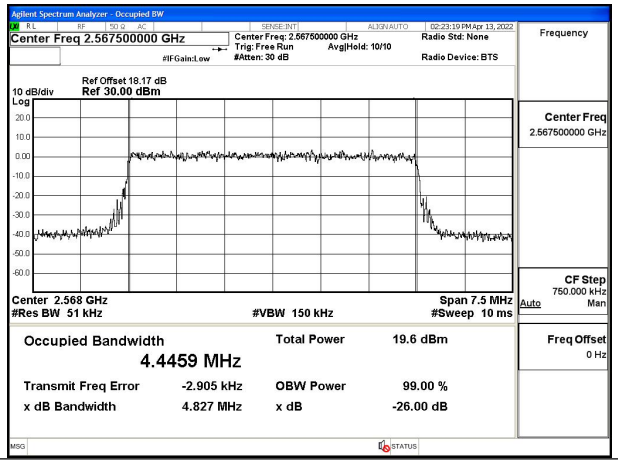

Fig.27

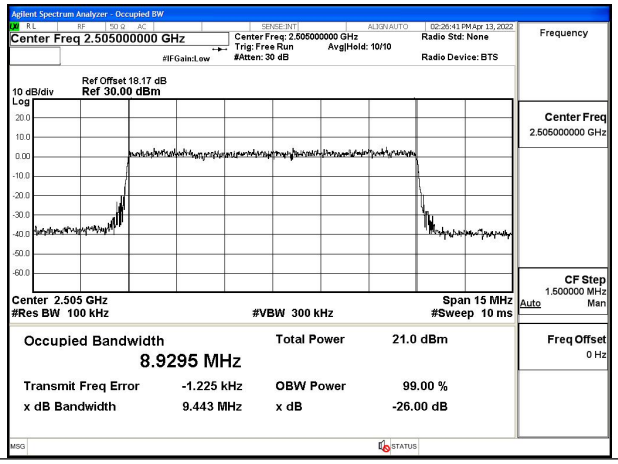

Fig.28

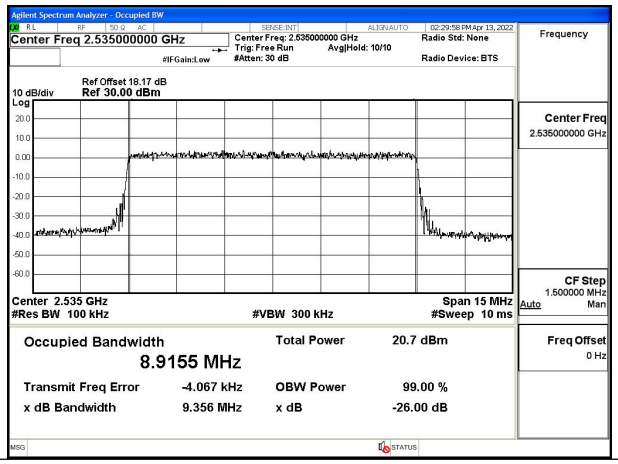

Fig.29

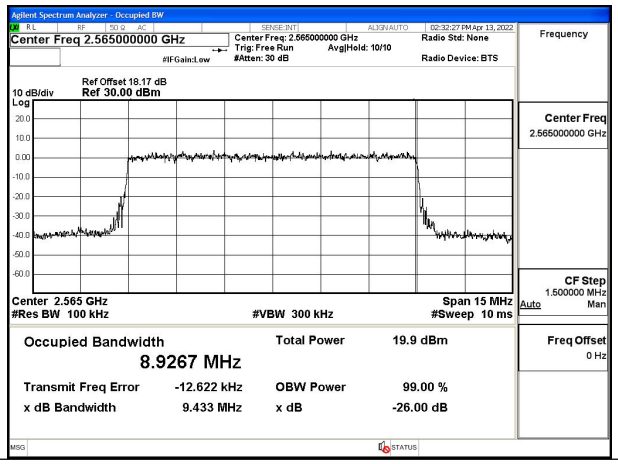

Fig.30

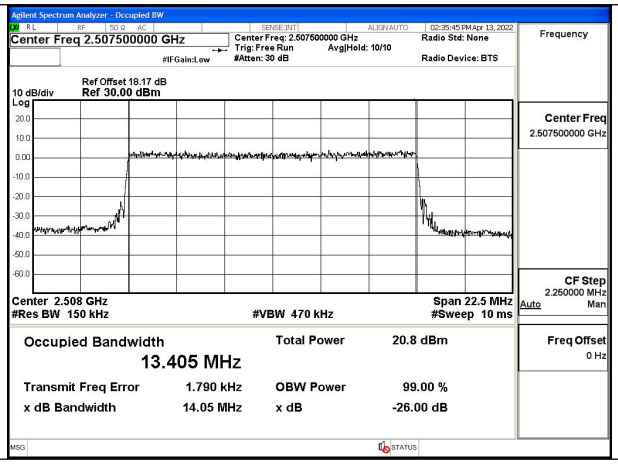

Fig.31

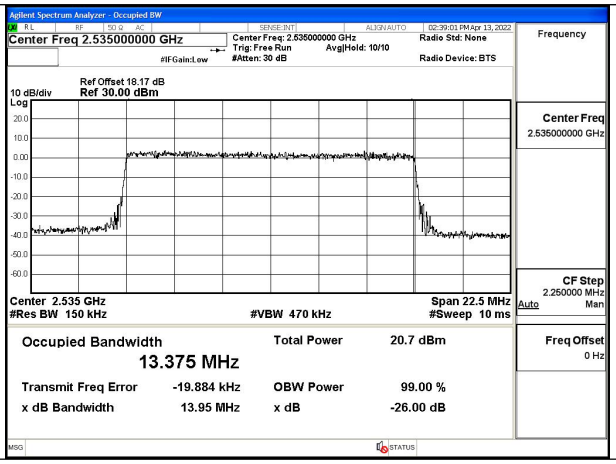

Fig.32

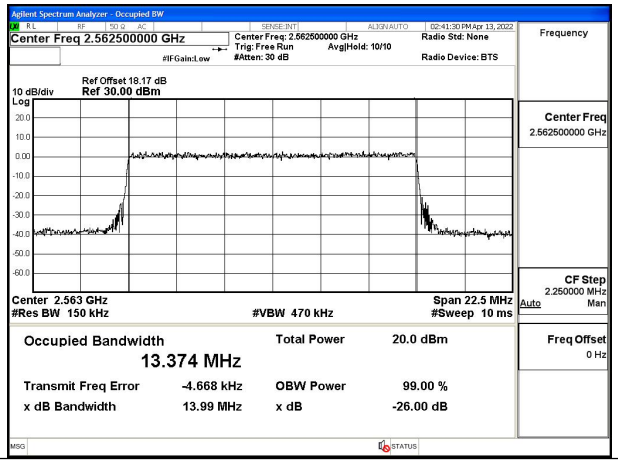

Fig.33

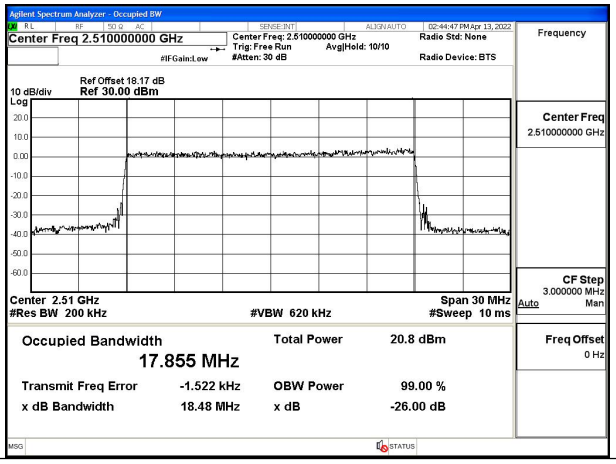

Fig.34

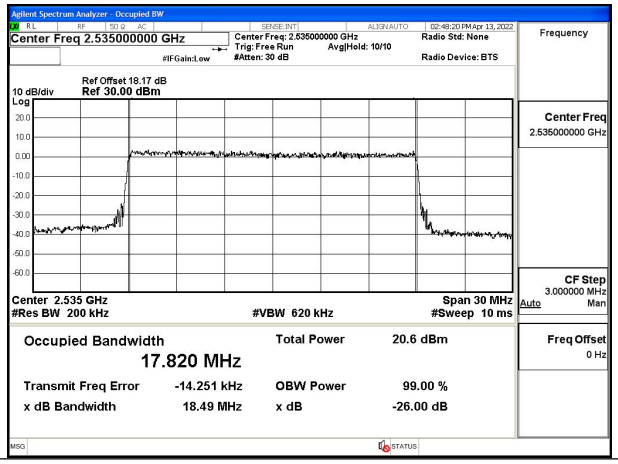

Fig.35

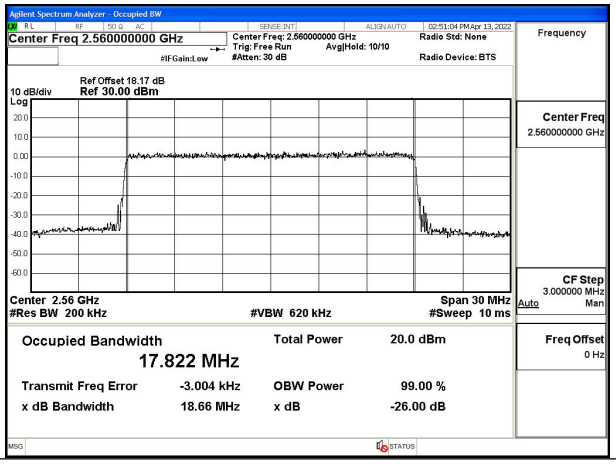

Fig.36

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	4.700	Fig.1
7	QPSK	2535	21100	5	25	0	4.720	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.810	Fig.3
7	QPSK	2505	20800	10	50	0	9.430	Fig.4
7	QPSK	2535	21100	10	50	0	9.300	Fig.5
7	QPSK	2565	21400	10	50	0	9.320	Fig.6
7	QPSK	2507.5	20825	15	75	0	14.160	Fig.7
7	QPSK	2535	21100	15	75	0	13.930	Fig.8
7	QPSK	2562.5	21375	15	75	0	14.030	Fig.9
7	QPSK	2510	20850	20	100	0	18.540	Fig.10
7	QPSK	2535	21100	20	100	0	18.480	Fig.11
7	QPSK	2560	21350	20	100	0	18.470	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	4.730	Fig.13
7	16QAM	2535	21100	5	25	0	4.750	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.740	Fig.15
7	16QAM	2505	20800	10	50	0	9.380	Fig.16
7	16QAM	2535	21100	10	50	0	9.450	Fig.17
7	16QAM	2565	21400	10	50	0	9.450	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.100	Fig.19
7	16QAM	2535	21100	15	75	0	13.900	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.910	Fig.21
7	16QAM	2510	20850	20	100	0	18.890	Fig.22
7	16QAM	2535	21100	20	100	0	18.470	Fig.23
7	16QAM	2560	21350	20	100	0	18.660	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	4.750	Fig.25
7	64QAM	2535	21100	5	25	0	4.680	Fig.26
7	64QAM	2567.5	21425	5	25	0	4.830	Fig.27
7	64QAM	2505	20800	10	50	0	9.440	Fig.28
7	64QAM	2535	21100	10	50	0	9.360	Fig.29
7	64QAM	2565	21400	10	50	0	9.430	Fig.30
7	64QAM	2507.5	20825	15	75	0	14.050	Fig.31
7	64QAM	2535	21100	15	75	0	13.950	Fig.32
7	64QAM	2562.5	21375	15	75	0	13.990	Fig.33
7	64QAM	2510	20850	20	100	0	18.480	Fig.34
7	64QAM	2535	21100	20	100	0	18.490	Fig.35
7	64QAM	2560	21350	20	100	0	18.660	Fig.36

Test Mode: QPSK

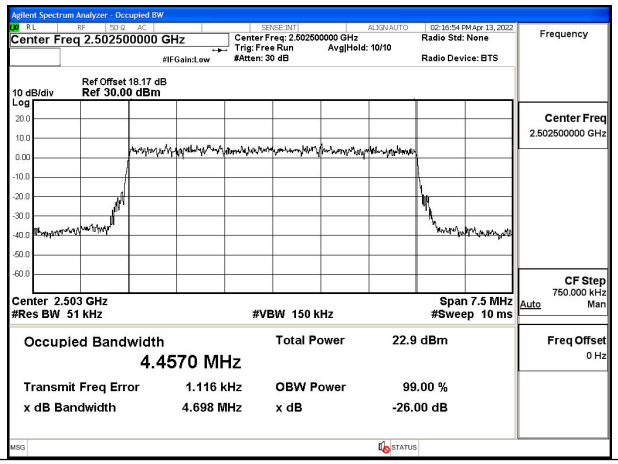

Fig.1

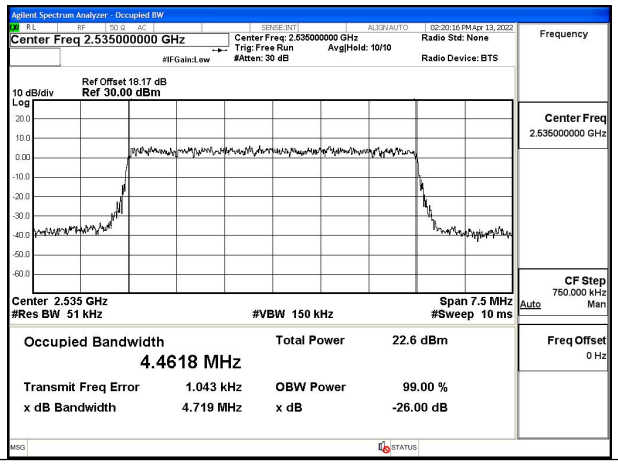

Fig.2

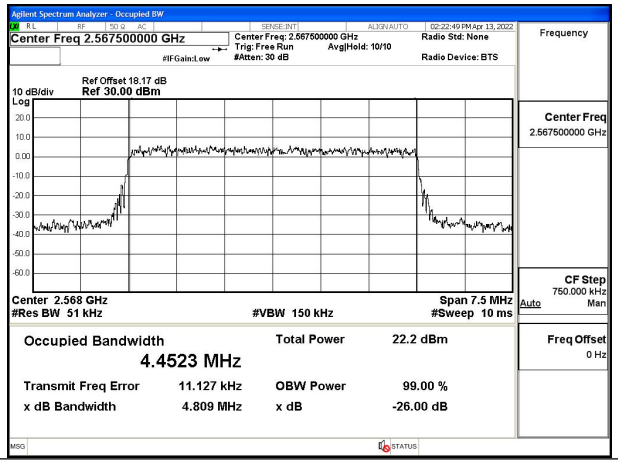

Fig.3

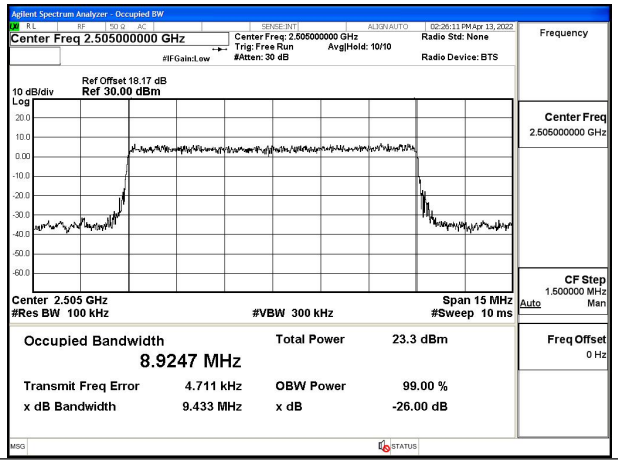

Fig.4

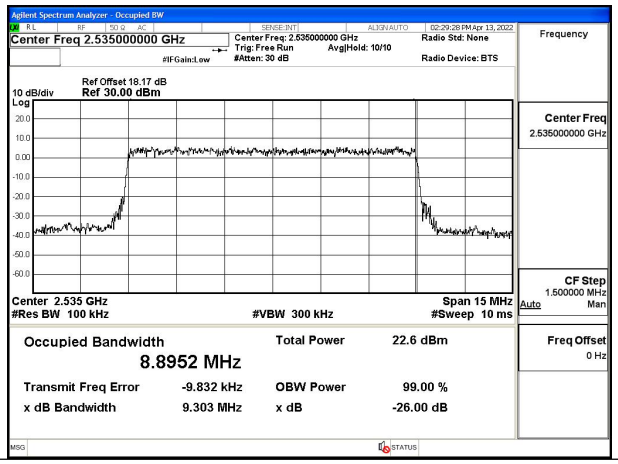

Fig.5

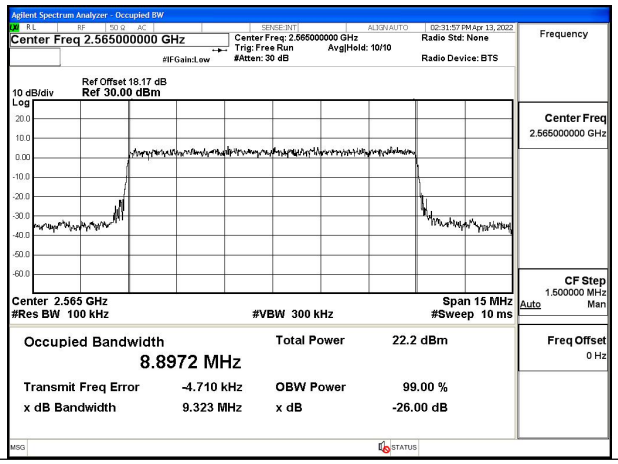

Fig.6