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	23.07
QPSK	2502.5	20775	5	1	12	23.14
QPSK	2502.5	20775	5	1	24	23.00
QPSK	2502.5	20775	5	12	0	22.23
QPSK	2502.5	20775	5	12	7	22.27
QPSK	2502.5	20775	5	12	13	22.37
QPSK	2502.5	20775	5	25	0	22.12
QPSK	2535	21100	5	1	0	23.23
QPSK	2535	21100	5	1	12	23.07
QPSK	2535	21100	5	1	24	23.21
QPSK	2535	21100	5	12	0	22.34
QPSK	2535	21100	5	12	7	21.91
QPSK	2535	21100	5	12	13	22.54
QPSK	2535	21100	5	25	0	22.17
QPSK	2567.5	21425	5	1	0	23.69
QPSK	2567.5	21425	5	1	12	23.55
QPSK	2567.5	21425	5	1	24	23.71
QPSK	2567.5	21425	5	12	0	22.11
QPSK	2567.5	21425	5	12	7	22.30
QPSK	2567.5	21425	5	12	13	22.15
QPSK	2567.5	21425	5	25	0	22.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	22.64
16QAM	2502.5	20775	5	1	12	22.67
16QAM	2502.5	20775	5	1	24	22.96
16QAM	2502.5	20775	5	12	0	21.46
16QAM	2502.5	20775	5	12	7	21.39
16QAM	2502.5	20775	5	12	13	21.33
16QAM	2502.5	20775	5	25	0	21.36
16QAM	2535	21100	5	1	0	22.66
16QAM	2535	21100	5	1	12	22.83
16QAM	2535	21100	5	1	24	22.77
16QAM	2535	21100	5	12	0	21.34
16QAM	2535	21100	5	12	7	21.51
16QAM	2535	21100	5	12	13	21.39
16QAM	2535	21100	5	25	0	21.45
16QAM	2567.5	21425	5	1	0	22.67
16QAM	2567.5	21425	5	1	12	22.63
16QAM	2567.5	21425	5	1	24	22.62
16QAM	2567.5	21425	5	12	0	21.41
16QAM	2567.5	21425	5	12	7	21.52
16QAM	2567.5	21425	5	12	13	21.48
16QAM	2567.5	21425	5	25	0	21.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	23.55
QPSK	2505	20800	10	1	25	23.50
QPSK	2505	20800	10	1	49	23.42
QPSK	2505	20800	10	25	0	22.07
QPSK	2505	20800	10	25	12	22.41
QPSK	2505	20800	10	25	25	22.33
QPSK	2505	20800	10	50	0	22.40
QPSK	2535	21100	10	1	0	23.62
QPSK	2535	21100	10	1	25	23.52
QPSK	2535	21100	10	1	49	23.46
QPSK	2535	21100	10	25	0	22.40
QPSK	2535	21100	10	25	12	22.48
QPSK	2535	21100	10	25	25	22.26
QPSK	2535	21100	10	50	0	22.27
QPSK	2565	21400	10	1	0	23.46
QPSK	2565	21400	10	1	25	23.36
QPSK	2565	21400	10	1	49	23.23
QPSK	2565	21400	10	25	0	22.19
QPSK	2565	21400	10	25	12	22.27
QPSK	2565	21400	10	25	25	22.12
QPSK	2565	21400	10	50	0	22.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.44
16QAM	2505	20800	10	1	25	22.25
16QAM	2505	20800	10	1	49	23.01
16QAM	2505	20800	10	25	0	21.65
16QAM	2505	20800	10	25	12	21.53
16QAM	2505	20800	10	25	25	21.40
16QAM	2505	20800	10	50	0	21.32
16QAM	2535	21100	10	1	0	22.78
16QAM	2535	21100	10	1	25	22.91
16QAM	2535	21100	10	1	49	22.61
16QAM	2535	21100	10	25	0	21.64
16QAM	2535	21100	10	25	12	21.59
16QAM	2535	21100	10	25	25	21.48
16QAM	2535	21100	10	50	0	21.34
16QAM	2565	21400	10	1	0	22.79
16QAM	2565	21400	10	1	25	22.80
16QAM	2565	21400	10	1	49	23.40
16QAM	2565	21400	10	25	0	21.28
16QAM	2565	21400	10	25	12	21.34
16QAM	2565	21400	10	25	25	21.17
16QAM	2565	21400	10	50	0	21.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	23.27
QPSK	2507.5	20825	15	1	37	23.25
QPSK	2507.5	20825	15	1	74	23.06
QPSK	2507.5	20825	15	36	0	22.34
QPSK	2507.5	20825	15	36	29	22.22
QPSK	2507.5	20825	15	36	30	22.27
QPSK	2507.5	20825	15	75	0	22.18
QPSK	2535	21100	15	1	0	23.17
QPSK	2535	21100	15	1	37	23.12
QPSK	2535	21100	15	1	74	23.07
QPSK	2535	21100	15	36	0	22.27
QPSK	2535	21100	15	36	29	22.34
QPSK	2535	21100	15	36	30	21.99
QPSK	2535	21100	15	75	0	22.21
QPSK	2562.5	21375	15	1	0	23.24
QPSK	2562.5	21375	15	1	37	23.17
QPSK	2562.5	21375	15	1	74	23.15
QPSK	2562.5	21375	15	36	0	22.49
QPSK	2562.5	21375	15	36	29	22.23
QPSK	2562.5	21375	15	36	30	22.23
QPSK	2562.5	21375	15	75	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	23.15
16QAM	2507.5	20825	15	1	37	22.91
16QAM	2507.5	20825	15	1	74	22.78
16QAM	2507.5	20825	15	36	0	21.28
16QAM	2507.5	20825	15	36	29	21.28
16QAM	2507.5	20825	15	36	30	21.20
16QAM	2507.5	20825	15	75	0	21.49
16QAM	2535	21100	15	1	0	23.30
16QAM	2535	21100	15	1	37	22.73
16QAM	2535	21100	15	1	74	23.06
16QAM	2535	21100	15	36	0	21.30
16QAM	2535	21100	15	36	29	21.39
16QAM	2535	21100	15	36	30	21.00
16QAM	2535	21100	15	75	0	21.30
16QAM	2562.5	21375	15	1	0	22.77
16QAM	2562.5	21375	15	1	37	23.09
16QAM	2562.5	21375	15	1	74	22.98
16QAM	2562.5	21375	15	36	0	21.20
16QAM	2562.5	21375	15	36	29	21.43
16QAM	2562.5	21375	15	36	30	21.43
16QAM	2562.5	21375	15	75	0	21.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.41
QPSK	2510	20850	20	1	49	23.35
QPSK	2510	20850	20	1	99	23.56
QPSK	2510	20850	20	50	0	22.11
QPSK	2510	20850	20	50	24	22.22
QPSK	2510	20850	20	50	50	22.26
QPSK	2510	20850	20	100	0	22.16
QPSK	2535	21100	20	1	0	23.41
QPSK	2535	21100	20	1	49	23.23
QPSK	2535	21100	20	1	99	22.93
QPSK	2535	21100	20	50	0	22.45
QPSK	2535	21100	20	50	24	22.08
QPSK	2535	21100	20	50	50	22.22
QPSK	2535	21100	20	100	0	22.15
QPSK	2560	21350	20	1	0	23.29
QPSK	2560	21350	20	1	49	23.13
QPSK	2560	21350	20	1	99	23.30
QPSK	2560	21350	20	50	0	22.34
QPSK	2560	21350	20	50	24	22.23
QPSK	2560	21350	20	50	50	22.14
QPSK	2560	21350	20	100	0	22.26

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	23.09
16QAM	2510	20850	20	1	49	22.54
16QAM	2510	20850	20	1	99	22.41
16QAM	2510	20850	20	50	0	21.53
16QAM	2510	20850	20	50	24	21.51
16QAM	2510	20850	20	50	50	21.40
16QAM	2510	20850	20	100	0	21.34
16QAM	2535	21100	20	1	0	22.31
16QAM	2535	21100	20	1	49	22.97
16QAM	2535	21100	20	1	99	23.28
16QAM	2535	21100	20	50	0	21.47
16QAM	2535	21100	20	50	24	21.21
16QAM	2535	21100	20	50	50	21.35
16QAM	2535	21100	20	100	0	21.44
16QAM	2560	21350	20	1	0	22.71
16QAM	2560	21350	20	1	49	22.85
16QAM	2560	21350	20	1	99	23.31
16QAM	2560	21350	20	50	0	21.40
16QAM	2560	21350	20	50	24	21.29
16QAM	2560	21350	20	50	50	21.46
16QAM	2560	21350	20	100	0	21.51

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	4.457	Fig.1
7	QPSK	2535	21100	5	25	0	4.471	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.458	Fig.3
7	QPSK	2505	20800	10	50	0	8.912	Fig.4
7	QPSK	2535	21100	10	50	0	8.930	Fig.5
7	QPSK	2565	21400	10	50	0	8.932	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.359	Fig.7
7	QPSK	2535	21100	15	75	0	13.380	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.345	Fig.9
7	QPSK	2510	20850	20	100	0	17.812	Fig.10
7	QPSK	2535	21100	20	100	0	17.857	Fig.11
7	QPSK	2560	21350	20	100	0	17.838	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	4.461	Fig.13
7	16QAM	2535	21100	5	25	0	4.458	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.457	Fig.15
7	16QAM	2505	20800	10	50	0	8.908	Fig.16
7	16QAM	2535	21100	10	50	0	8.929	Fig.17
7	16QAM	2565	21400	10	50	0	8.909	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.368	Fig.19
7	16QAM	2535	21100	15	75	0	13.375	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.394	Fig.21
7	16QAM	2510	20850	20	100	0	17.847	Fig.22
7	16QAM	2535	21100	20	100	0	17.840	Fig.23
7	16QAM	2560	21350	20	100	0	17.852	Fig.24

Test Mode: QPSK

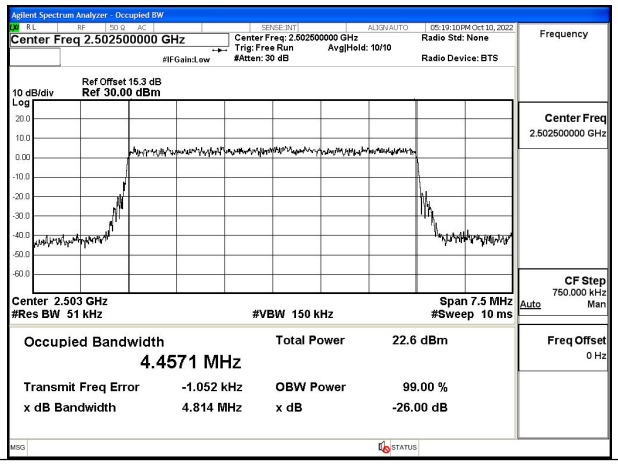

Fig.1

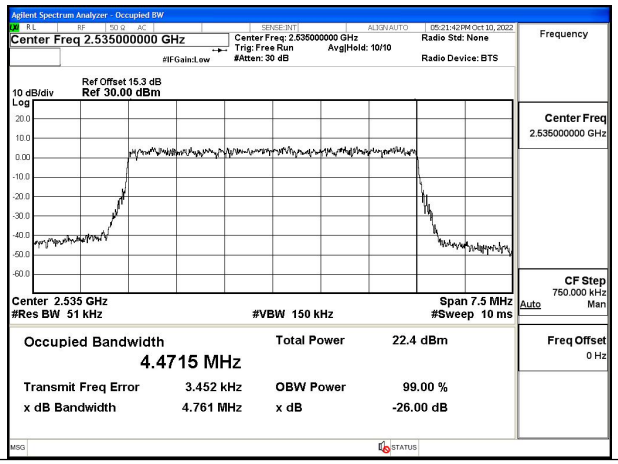

Fig.2

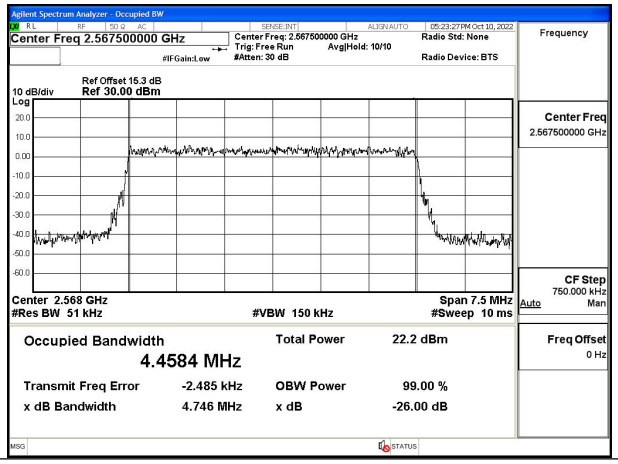

Fig.3

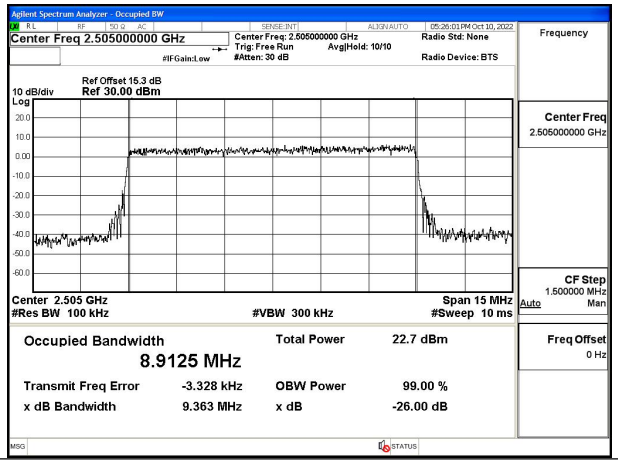

Fig.4

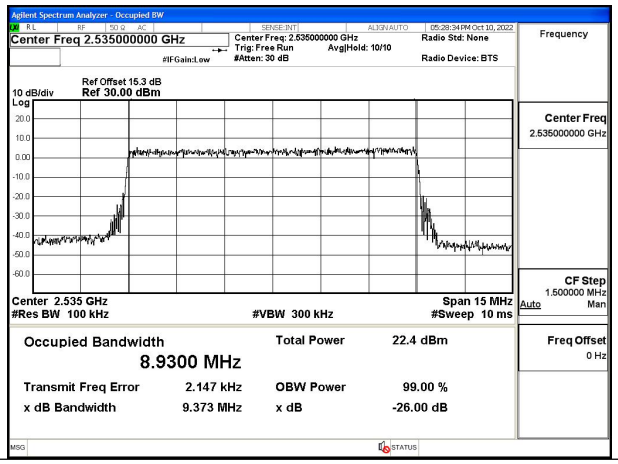

Fig.5

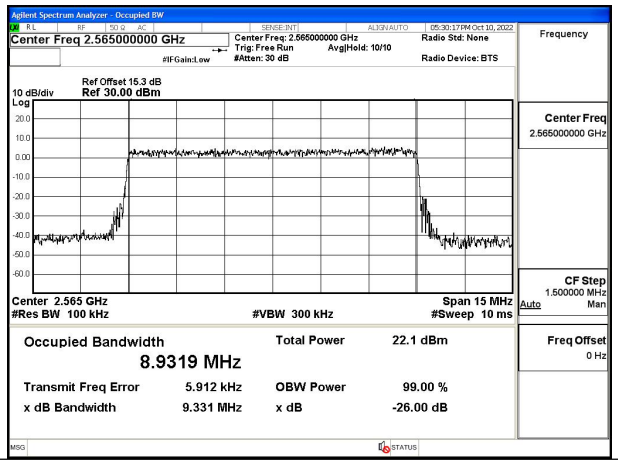

Fig.6

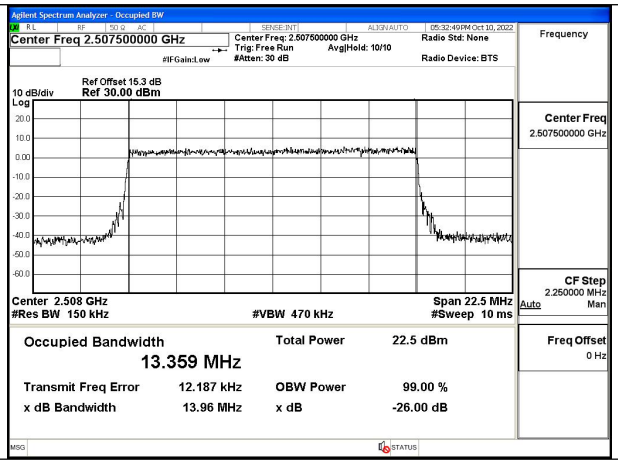

Fig.7

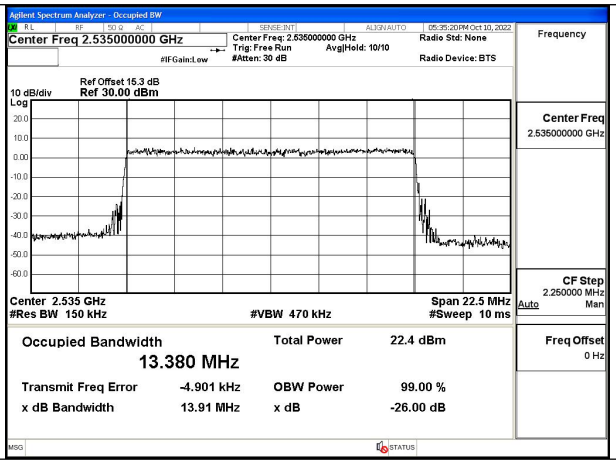

Fig.8

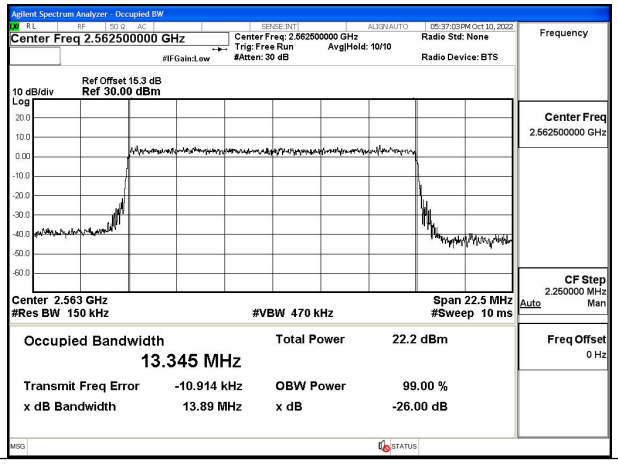

Fig.9

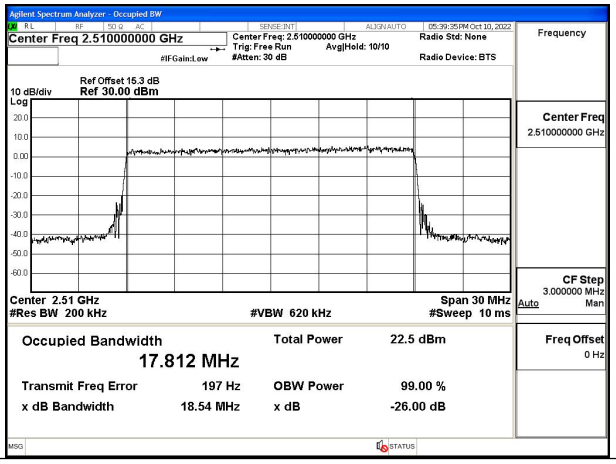

Fig.10

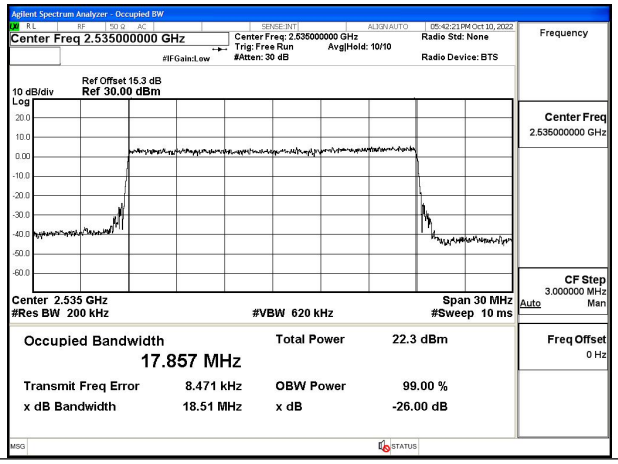

Fig.11

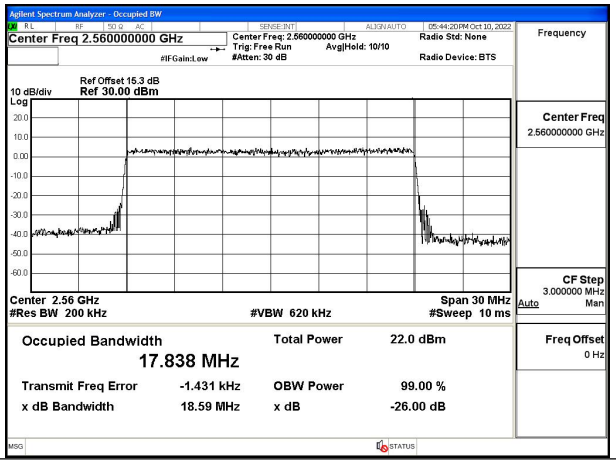

Fig.12

Test Mode: 16QAM

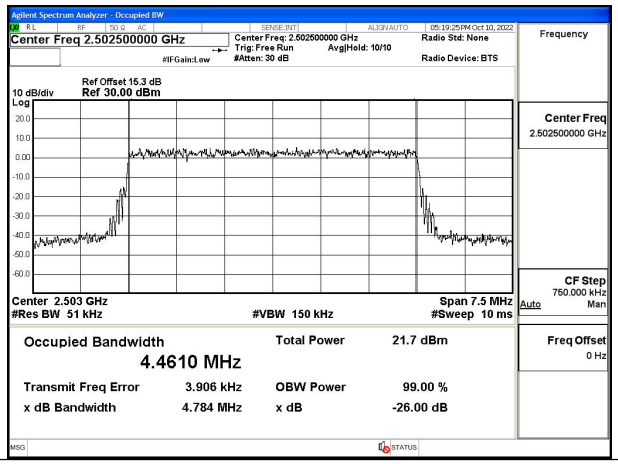

Fig.13

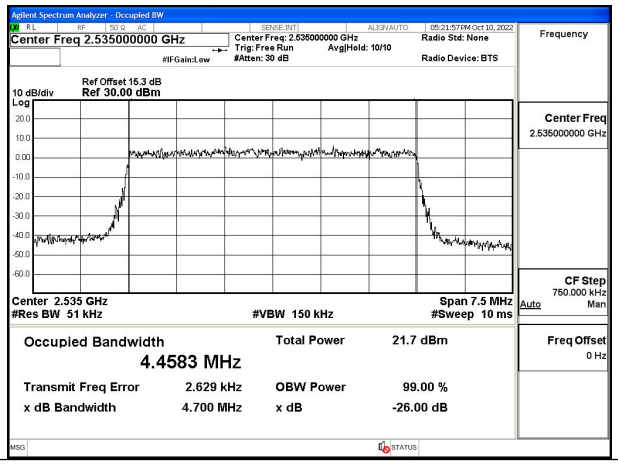

Fig.14

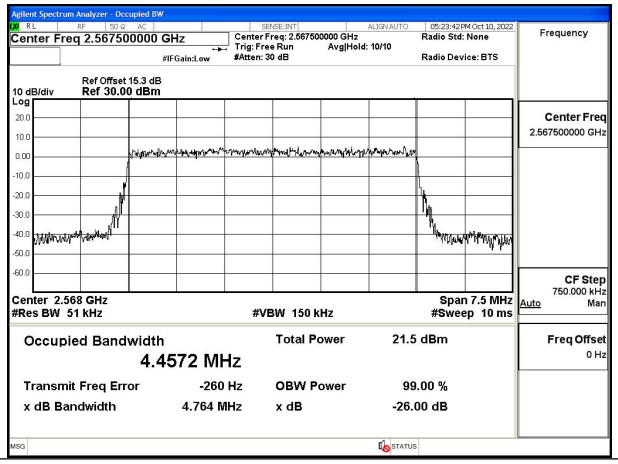

Fig.15

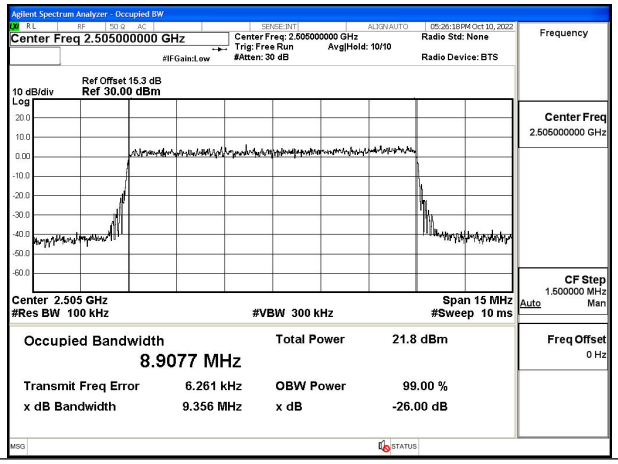

Fig.16

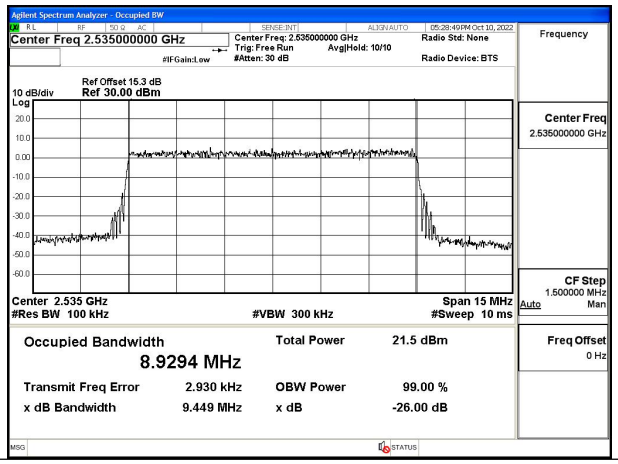

Fig.17

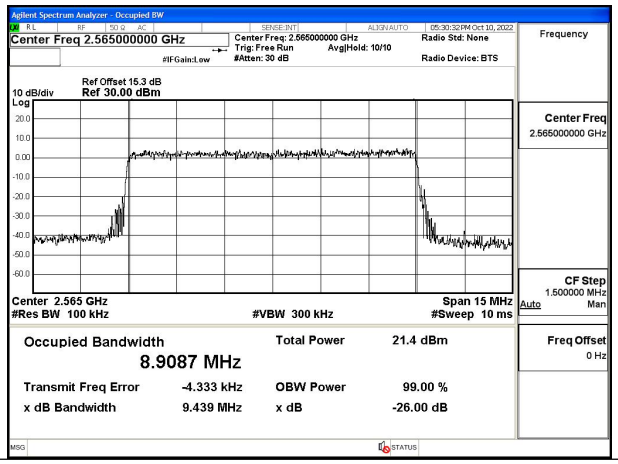

Fig.18

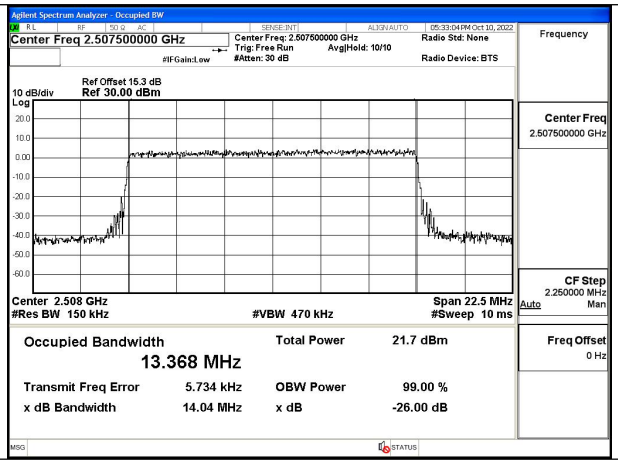

Fig.19

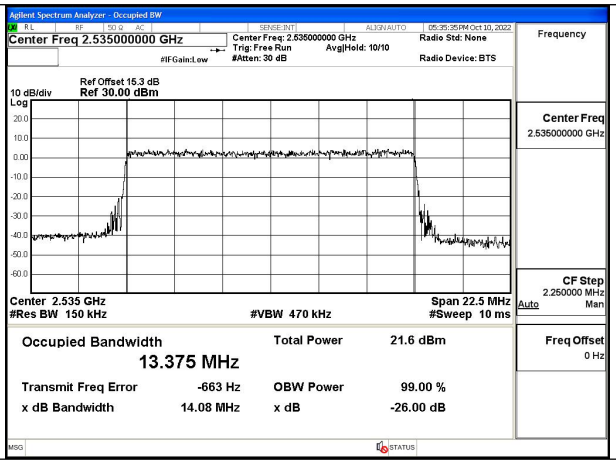

Fig.20

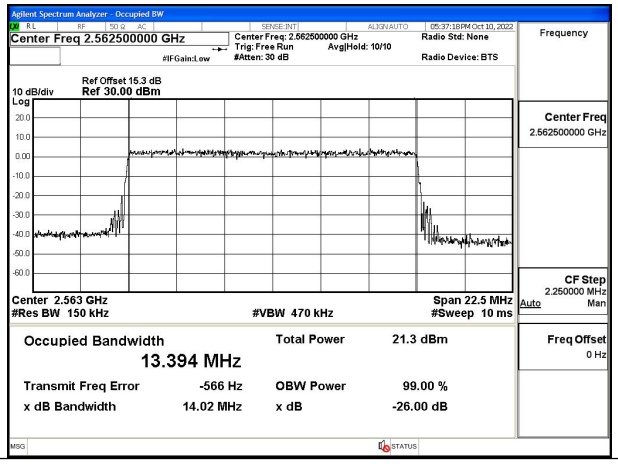

Fig.21

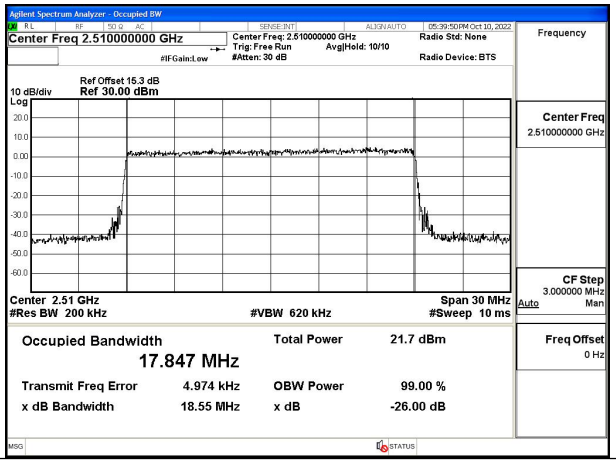

Fig.22

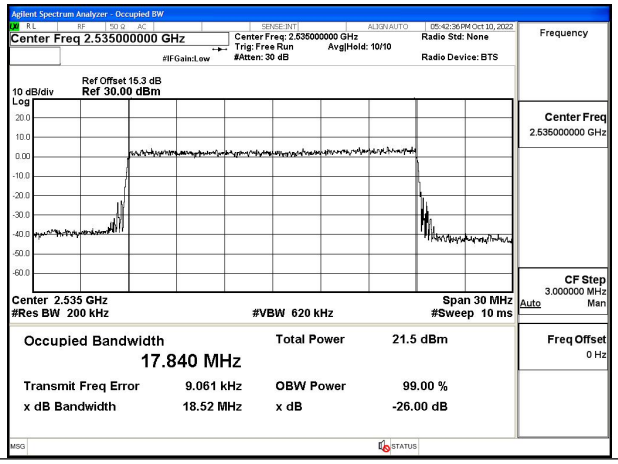

Fig.23

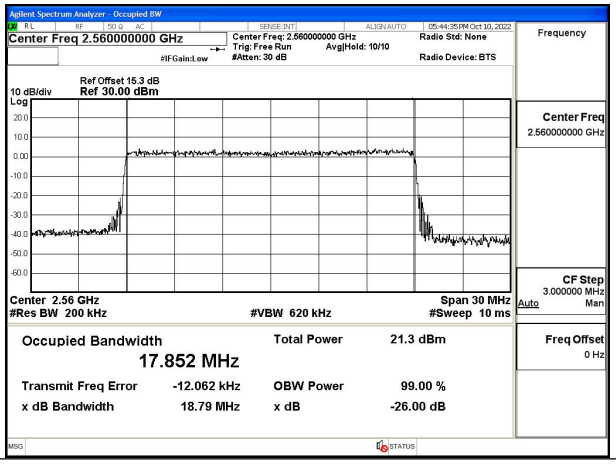

Fig.24

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	4.814	Fig.1
7	QPSK	2535	21100	5	25	0	4.761	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.746	Fig.3
7	QPSK	2505	20800	10	50	0	9.363	Fig.4
7	QPSK	2535	21100	10	50	0	9.373	Fig.5
7	QPSK	2565	21400	10	50	0	9.331	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.956	Fig.7
7	QPSK	2535	21100	15	75	0	13.910	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.888	Fig.9
7	QPSK	2510	20850	20	100	0	18.537	Fig.10
7	QPSK	2535	21100	20	100	0	18.513	Fig.11
7	QPSK	2560	21350	20	100	0	18.586	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	4.784	Fig.13
7	16QAM	2535	21100	5	25	0	4.700	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.764	Fig.15
7	16QAM	2505	20800	10	50	0	9.356	Fig.16
7	16QAM	2535	21100	10	50	0	9.449	Fig.17
7	16QAM	2565	21400	10	50	0	9.439	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.039	Fig.19
7	16QAM	2535	21100	15	75	0	14.076	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.019	Fig.21
7	16QAM	2510	20850	20	100	0	18.548	Fig.22
7	16QAM	2535	21100	20	100	0	18.519	Fig.23
7	16QAM	2560	21350	20	100	0	18.790	Fig.24

Test Mode: QPSK

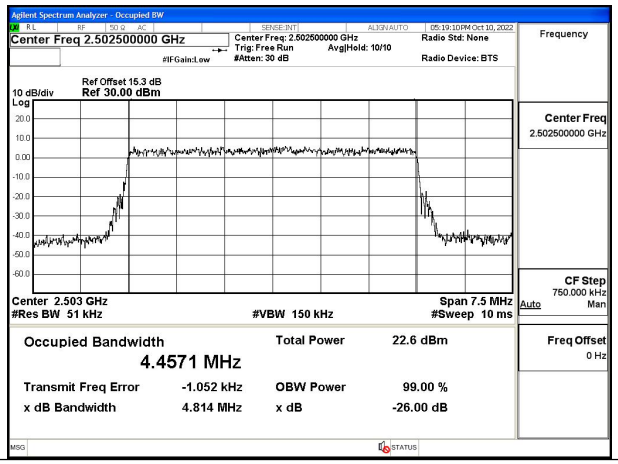

Fig.1

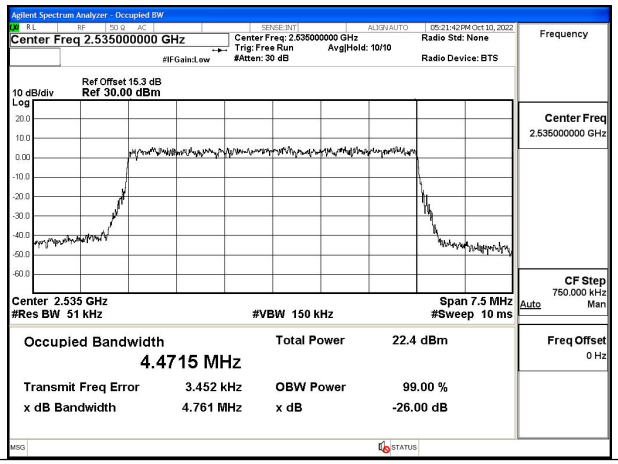

Fig.2

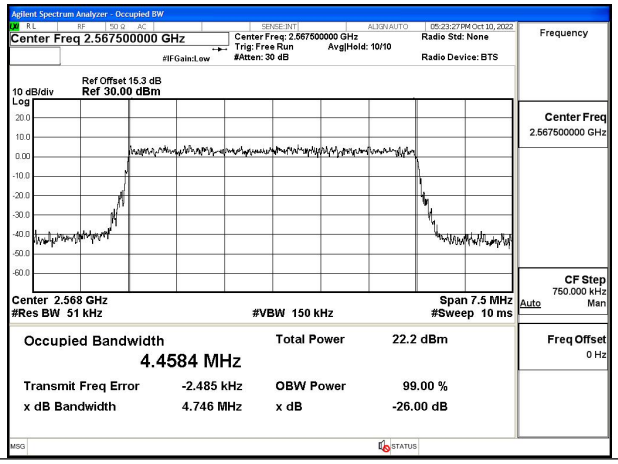

Fig.3

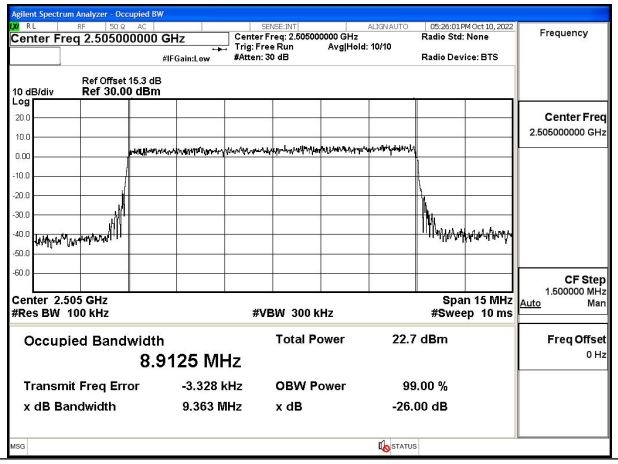

Fig.4

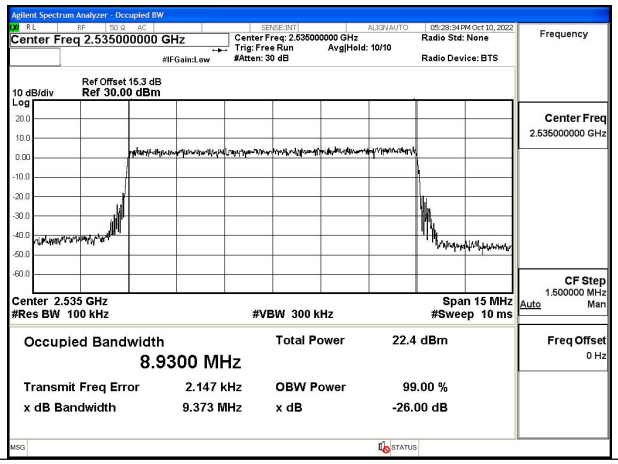

Fig.5

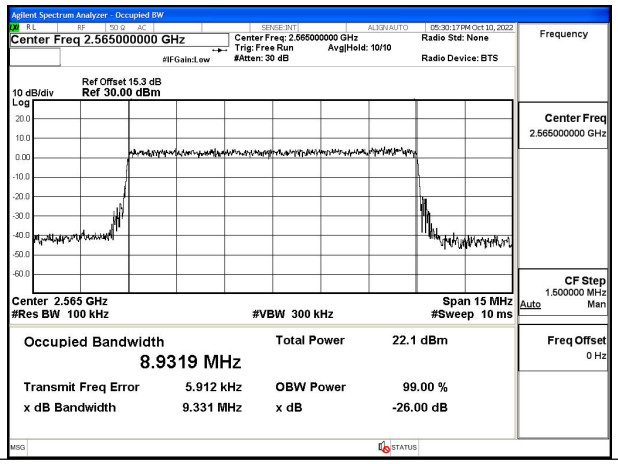

Fig.6

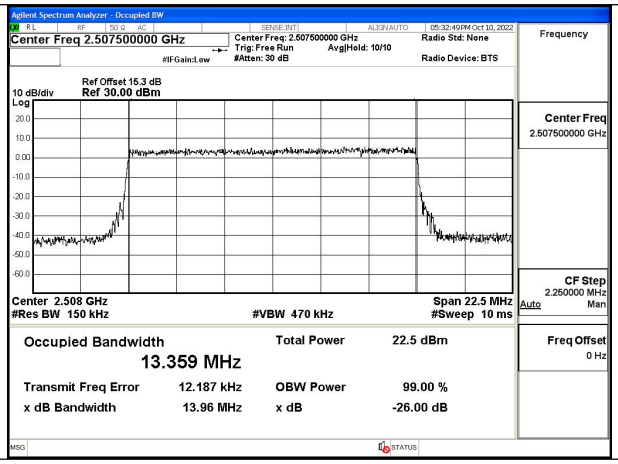

Fig.7

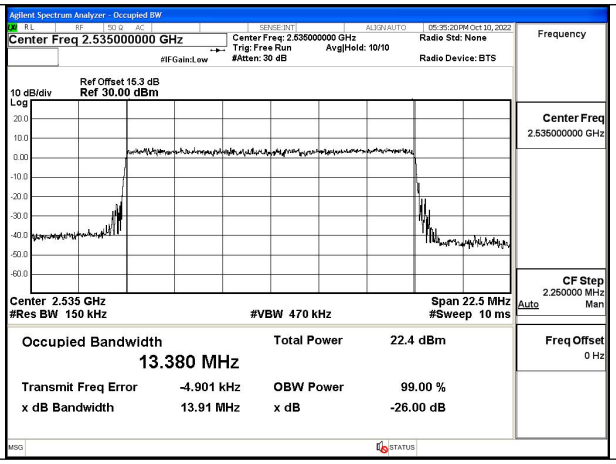

Fig.8

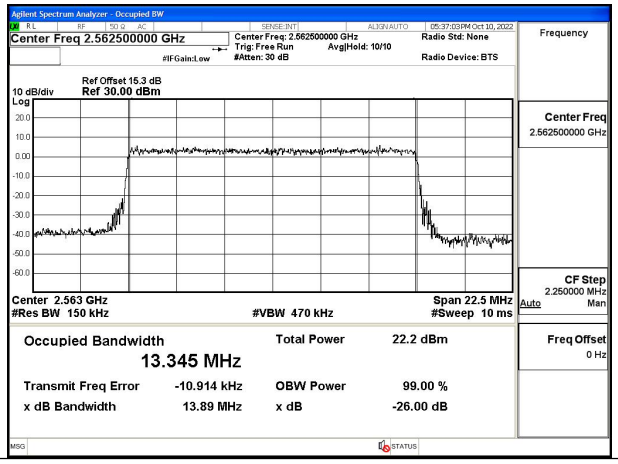

Fig.9

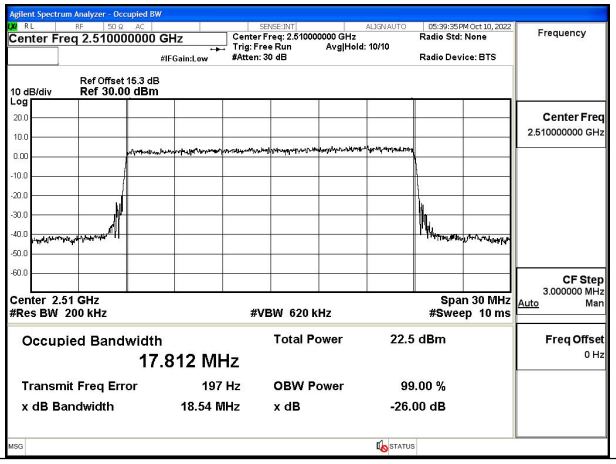

Fig.10

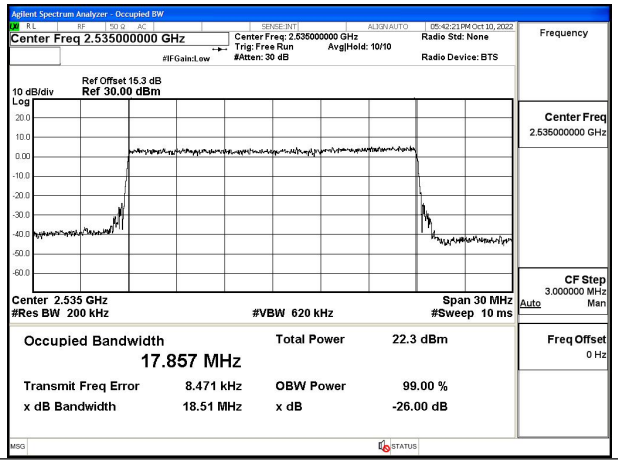

Fig.11

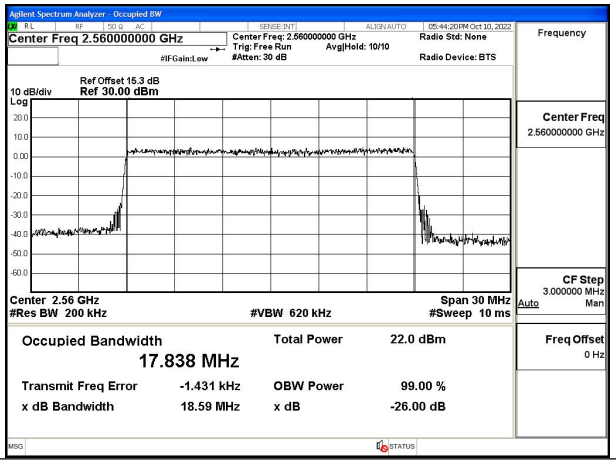

Fig.12

Test Mode: 16QAM

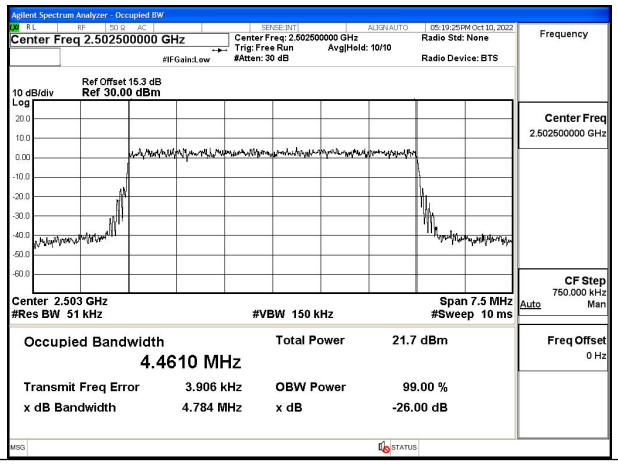

Fig.13

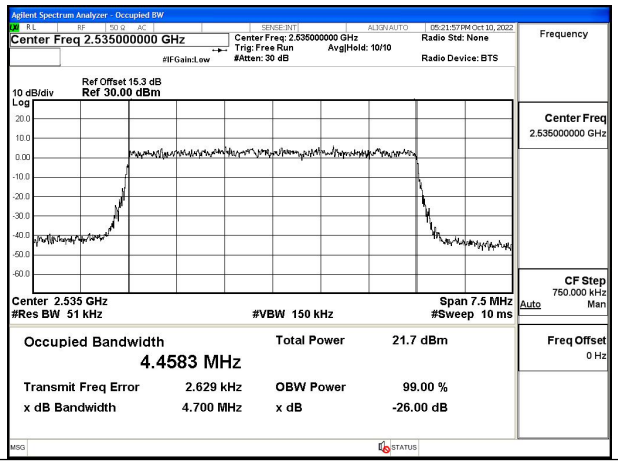

Fig.14

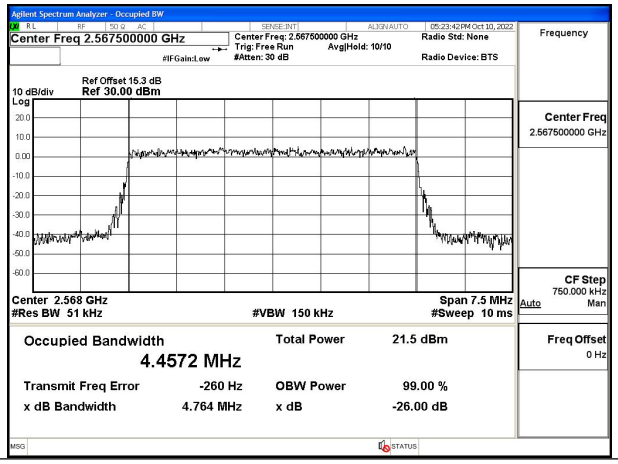

Fig.15

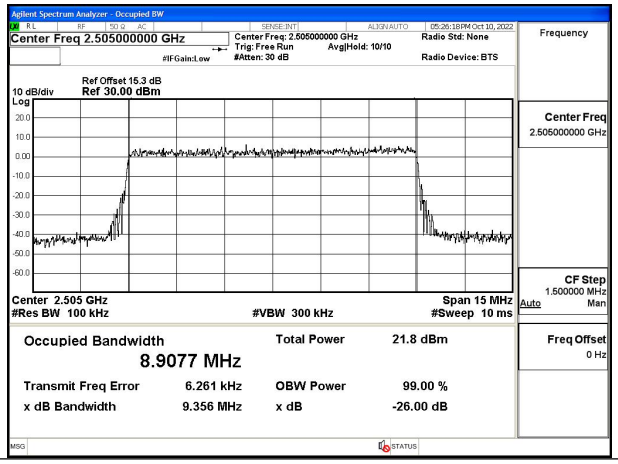

Fig.16

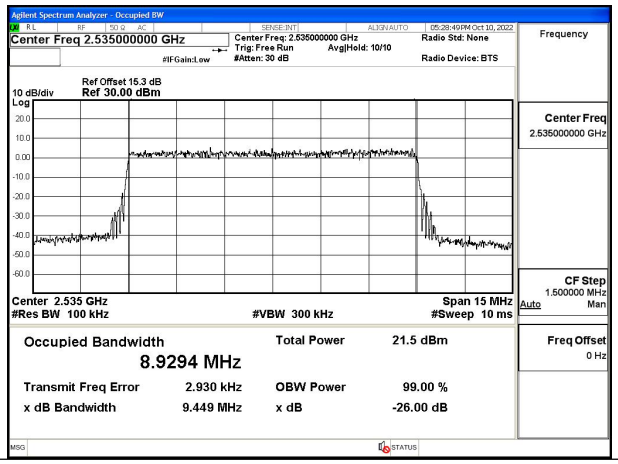

Fig.17

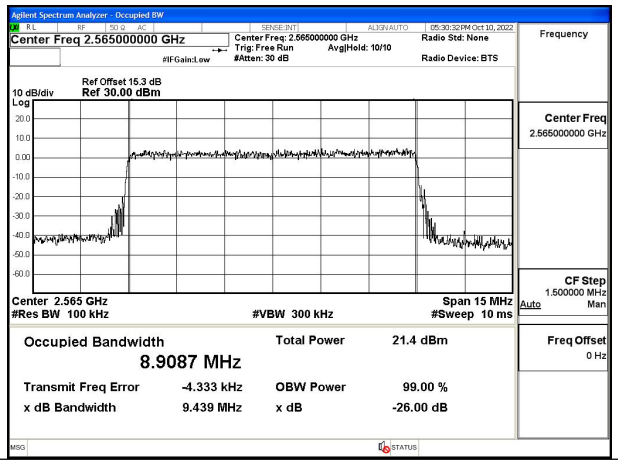

Fig.18