

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	23.98
QPSK	2502.5	20775	5	1	12	23.08
QPSK	2502.5	20775	5	1	24	23.44
QPSK	2502.5	20775	5	12	0	21.82
QPSK	2502.5	20775	5	12	7	21.77
QPSK	2502.5	20775	5	12	13	21.86
QPSK	2502.5	20775	5	25	0	21.81
QPSK	2535	21100	5	1	0	22.46
QPSK	2535	21100	5	1	12	22.05
QPSK	2535	21100	5	1	24	22.30
QPSK	2535	21100	5	12	0	20.96
QPSK	2535	21100	5	12	7	20.84
QPSK	2535	21100	5	12	13	20.89
QPSK	2535	21100	5	25	0	20.94
QPSK	2567.5	21425	5	1	0	22.08
QPSK	2567.5	21425	5	1	12	21.50
QPSK	2567.5	21425	5	1	24	21.75
QPSK	2567.5	21425	5	12	0	20.50
QPSK	2567.5	21425	5	12	7	20.39
QPSK	2567.5	21425	5	12	13	20.46
QPSK	2567.5	21425	5	25	0	20.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	22.12
16QAM	2502.5	20775	5	1	12	21.60
16QAM	2502.5	20775	5	1	24	21.85
16QAM	2502.5	20775	5	12	0	19.74
16QAM	2502.5	20775	5	12	7	19.66
16QAM	2502.5	20775	5	12	13	19.83
16QAM	2502.5	20775	5	25	0	19.83
16QAM	2535	21100	5	1	0	21.53
16QAM	2535	21100	5	1	12	21.16
16QAM	2535	21100	5	1	24	21.39
16QAM	2535	21100	5	12	0	19.51
16QAM	2535	21100	5	12	7	19.39
16QAM	2535	21100	5	12	13	19.40
16QAM	2535	21100	5	25	0	19.51
16QAM	2567.5	21425	5	1	0	20.79
16QAM	2567.5	21425	5	1	12	19.97
16QAM	2567.5	21425	5	1	24	20.51
16QAM	2567.5	21425	5	12	0	18.73
16QAM	2567.5	21425	5	12	7	18.61
16QAM	2567.5	21425	5	12	13	18.68
16QAM	2567.5	21425	5	25	0	18.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	23.45
QPSK	2505	20800	10	1	25	22.27
QPSK	2505	20800	10	1	49	23.35
QPSK	2505	20800	10	25	0	21.25
QPSK	2505	20800	10	25	12	21.20
QPSK	2505	20800	10	25	25	21.03
QPSK	2505	20800	10	50	0	21.32
QPSK	2535	21100	10	1	0	23.16
QPSK	2535	21100	10	1	25	22.12
QPSK	2535	21100	10	1	49	23.20
QPSK	2535	21100	10	25	0	21.26
QPSK	2535	21100	10	25	12	21.10
QPSK	2535	21100	10	25	25	21.15
QPSK	2535	21100	10	50	0	21.27
QPSK	2565	21400	10	1	0	22.85
QPSK	2565	21400	10	1	25	21.38
QPSK	2565	21400	10	1	49	22.53
QPSK	2565	21400	10	25	0	20.17
QPSK	2565	21400	10	25	12	20.62
QPSK	2565	21400	10	25	25	20.63
QPSK	2565	21400	10	50	0	20.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	22.66
16QAM	2505	20800	10	1	25	20.99
16QAM	2505	20800	10	1	49	22.41
16QAM	2505	20800	10	25	0	19.81
16QAM	2505	20800	10	25	12	19.77
16QAM	2505	20800	10	25	25	19.97
16QAM	2505	20800	10	50	0	20.26
16QAM	2535	21100	10	1	0	22.46
16QAM	2535	21100	10	1	25	20.44
16QAM	2535	21100	10	1	49	22.00
16QAM	2535	21100	10	25	0	19.75
16QAM	2535	21100	10	25	12	19.60
16QAM	2535	21100	10	25	25	19.68
16QAM	2535	21100	10	50	0	19.79
16QAM	2565	21400	10	1	0	21.68
16QAM	2565	21400	10	1	25	20.15
16QAM	2565	21400	10	1	49	21.73
16QAM	2565	21400	10	25	0	18.70
16QAM	2565	21400	10	25	12	18.85
16QAM	2565	21400	10	25	25	18.84
16QAM	2565	21400	10	50	0	18.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	23.60
QPSK	2507.5	20825	15	1	37	22.30
QPSK	2507.5	20825	15	1	74	23.61
QPSK	2507.5	20825	15	36	0	22.02
QPSK	2507.5	20825	15	36	29	21.79
QPSK	2507.5	20825	15	36	30	22.04
QPSK	2507.5	20825	15	75	0	22.12
QPSK	2535	21100	15	1	0	22.85
QPSK	2535	21100	15	1	37	21.84
QPSK	2535	21100	15	1	74	22.66
QPSK	2535	21100	15	36	0	21.10
QPSK	2535	21100	15	36	29	20.80
QPSK	2535	21100	15	36	30	20.82
QPSK	2535	21100	15	75	0	21.06
QPSK	2562.5	21375	15	1	0	22.59
QPSK	2562.5	21375	15	1	37	21.07
QPSK	2562.5	21375	15	1	74	22.27
QPSK	2562.5	21375	15	36	0	20.16
QPSK	2562.5	21375	15	36	29	20.49
QPSK	2562.5	21375	15	36	30	20.48
QPSK	2562.5	21375	15	75	0	20.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	22.85
16QAM	2507.5	20825	15	1	37	21.45
16QAM	2507.5	20825	15	1	74	22.56
16QAM	2507.5	20825	15	36	0	20.23
16QAM	2507.5	20825	15	36	29	20.13
16QAM	2507.5	20825	15	36	30	20.16
16QAM	2507.5	20825	15	75	0	20.30
16QAM	2535	21100	15	1	0	21.53
16QAM	2535	21100	15	1	37	20.35
16QAM	2535	21100	15	1	74	21.50
16QAM	2535	21100	15	36	0	19.60
16QAM	2535	21100	15	36	29	19.36
16QAM	2535	21100	15	36	30	19.30
16QAM	2535	21100	15	75	0	19.58
16QAM	2562.5	21375	15	1	0	21.00
16QAM	2562.5	21375	15	1	37	19.40
16QAM	2562.5	21375	15	1	74	21.10
16QAM	2562.5	21375	15	36	0	18.69
16QAM	2562.5	21375	15	36	29	18.73
16QAM	2562.5	21375	15	36	30	18.73
16QAM	2562.5	21375	15	75	0	18.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	23.46
QPSK	2510	20850	20	1	49	22.57
QPSK	2510	20850	20	1	99	22.17
QPSK	2510	20850	20	50	0	21.67
QPSK	2510	20850	20	50	24	21.25
QPSK	2510	20850	20	50	50	21.33
QPSK	2510	20850	20	100	0	21.57
QPSK	2535	21100	20	1	0	22.27
QPSK	2535	21100	20	1	49	22.03
QPSK	2535	21100	20	1	99	22.40
QPSK	2535	21100	20	50	0	20.71
QPSK	2535	21100	20	50	24	20.72
QPSK	2535	21100	20	50	50	20.74
QPSK	2535	21100	20	100	0	20.98
QPSK	2560	21350	20	1	0	21.78
QPSK	2560	21350	20	1	49	21.57
QPSK	2560	21350	20	1	99	22.32
QPSK	2560	21350	20	50	0	19.99
QPSK	2560	21350	20	50	24	20.28
QPSK	2560	21350	20	50	50	20.62
QPSK	2560	21350	20	100	0	20.52

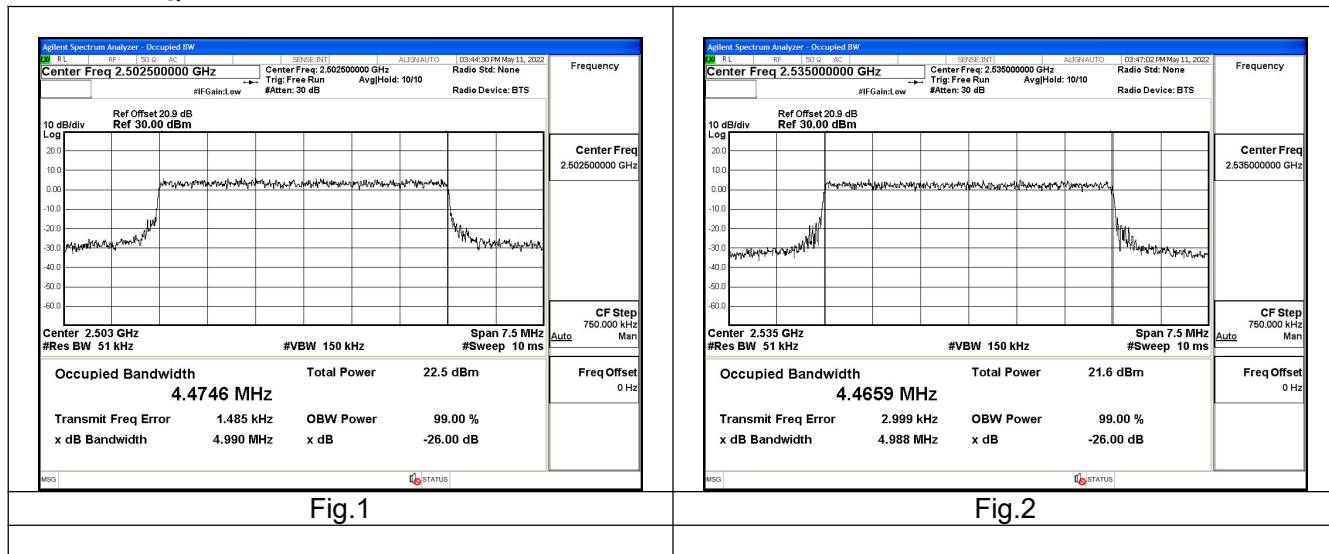
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	22.02
16QAM	2510	20850	20	1	49	21.49
16QAM	2510	20850	20	1	99	20.68
16QAM	2510	20850	20	50	0	19.68
16QAM	2510	20850	20	50	24	19.29
16QAM	2510	20850	20	50	50	19.56
16QAM	2510	20850	20	100	0	19.61
16QAM	2535	21100	20	1	0	20.44
16QAM	2535	21100	20	1	49	20.56
16QAM	2535	21100	20	1	99	21.29
16QAM	2535	21100	20	50	0	19.22
16QAM	2535	21100	20	50	24	19.36
16QAM	2535	21100	20	50	50	19.36
16QAM	2535	21100	20	100	0	19.60
16QAM	2560	21350	20	1	0	20.63
16QAM	2560	21350	20	1	49	20.11
16QAM	2560	21350	20	1	99	20.98
16QAM	2560	21350	20	50	0	18.55
16QAM	2560	21350	20	50	24	18.54
16QAM	2560	21350	20	50	50	18.97
16QAM	2560	21350	20	100	0	18.83

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	4.470	Fig.1
7	QPSK	2535	21100	5	25	0	4.470	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.470	Fig.3
7	QPSK	2505	20800	10	50	0	8.930	Fig.4
7	QPSK	2535	21100	10	50	0	8.940	Fig.5
7	QPSK	2565	21400	10	50	0	8.930	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.400	Fig.7
7	QPSK	2535	21100	15	75	0	13.400	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.380	Fig.9
7	QPSK	2510	20850	20	100	0	17.860	Fig.10
7	QPSK	2535	21100	20	100	0	17.850	Fig.11
7	QPSK	2560	21350	20	100	0	17.870	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	4.470	Fig.13
7	16QAM	2535	21100	5	25	0	4.470	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.470	Fig.15
7	16QAM	2505	20800	10	50	0	8.930	Fig.16
7	16QAM	2535	21100	10	50	0	8.920	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	13.360	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.400	Fig.21
7	16QAM	2510	20850	20	100	0	17.870	Fig.22
7	16QAM	2535	21100	20	100	0	17.840	Fig.23
7	16QAM	2560	21350	20	100	0	17.860	Fig.24

Test Mode: QPSK



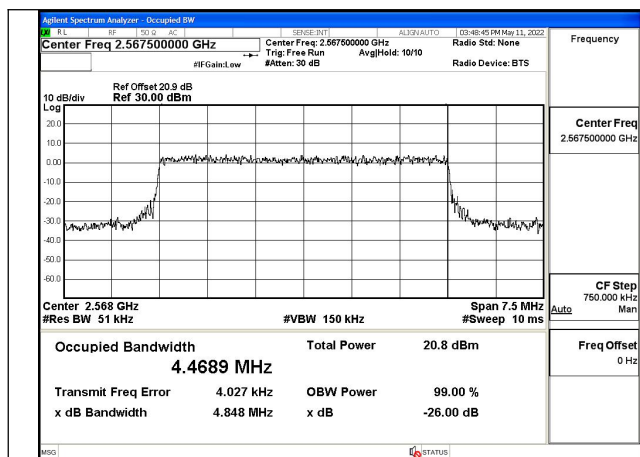


Fig.3

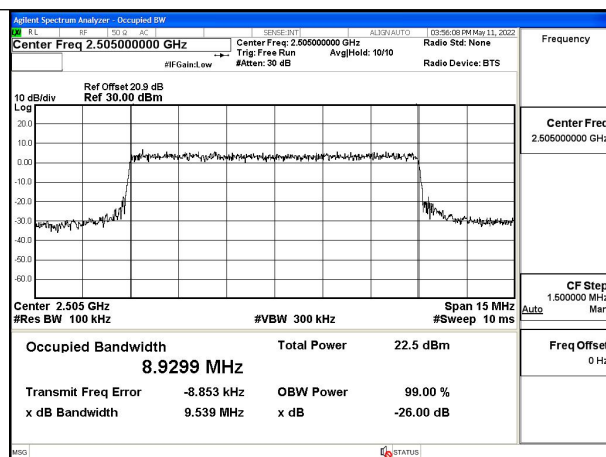


Fig.4

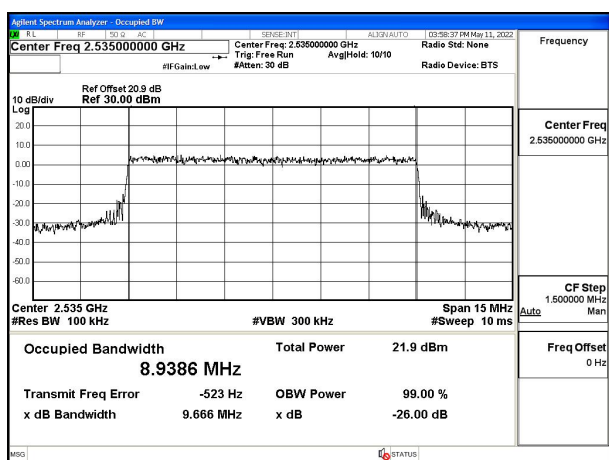


Fig.5

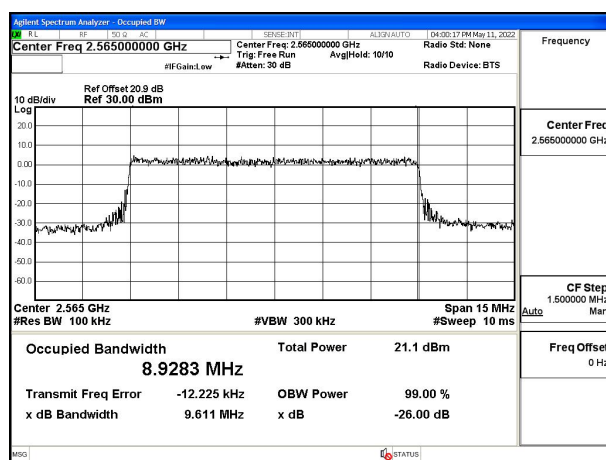


Fig.6

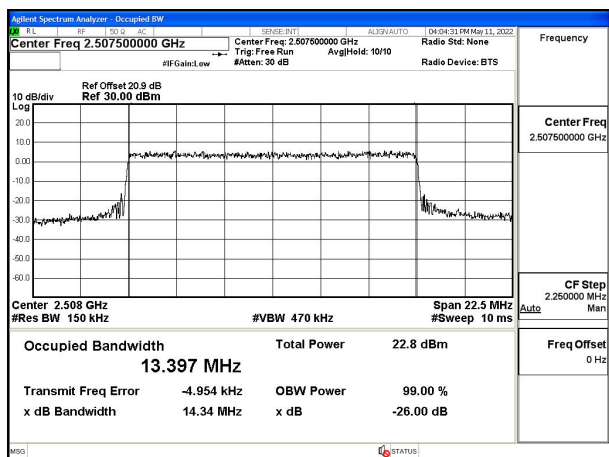


Fig.7

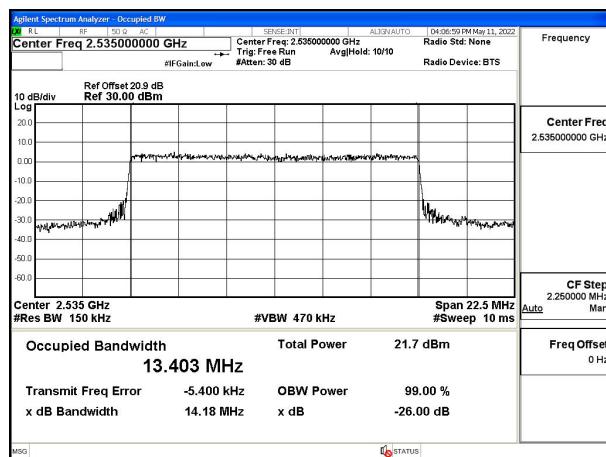


Fig.8

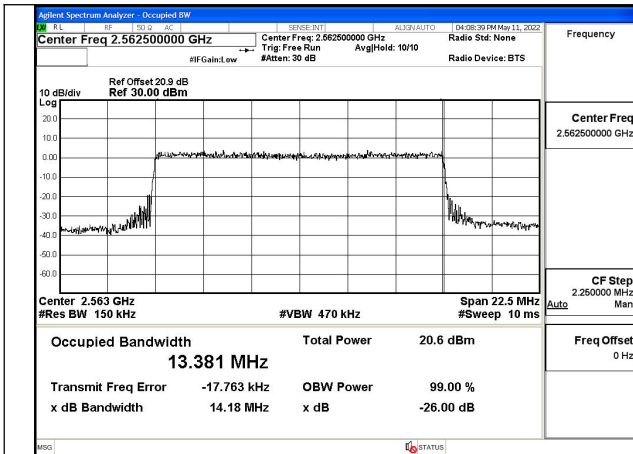


Fig.9

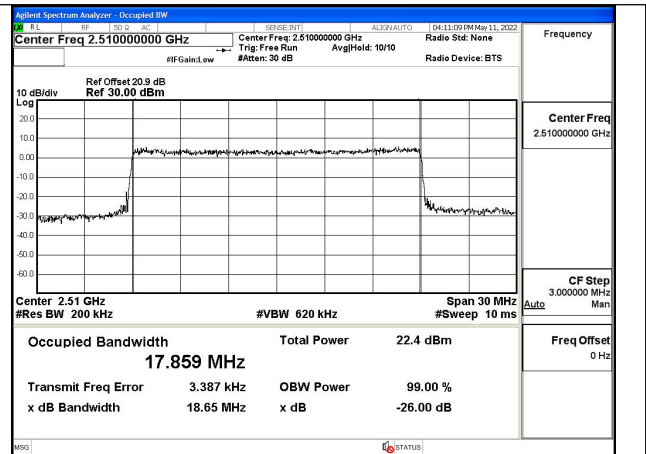


Fig.10

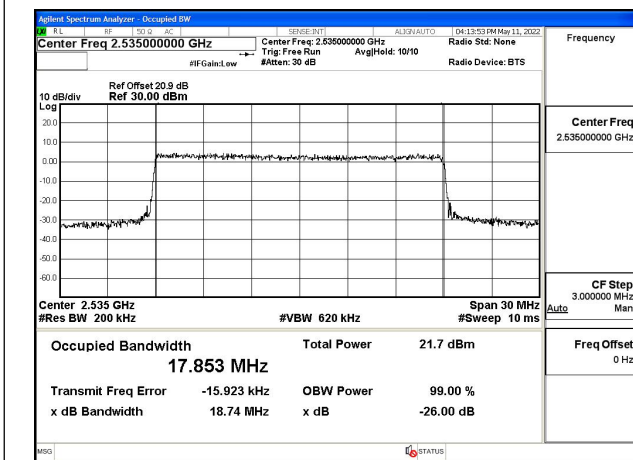


Fig.11

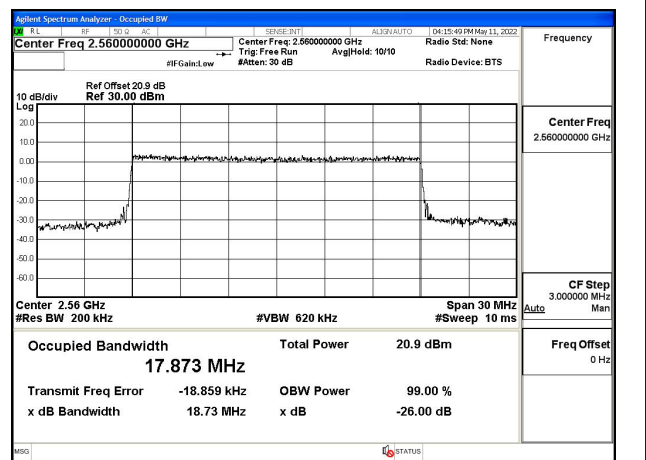


Fig.12

Test Mode: 16QAM

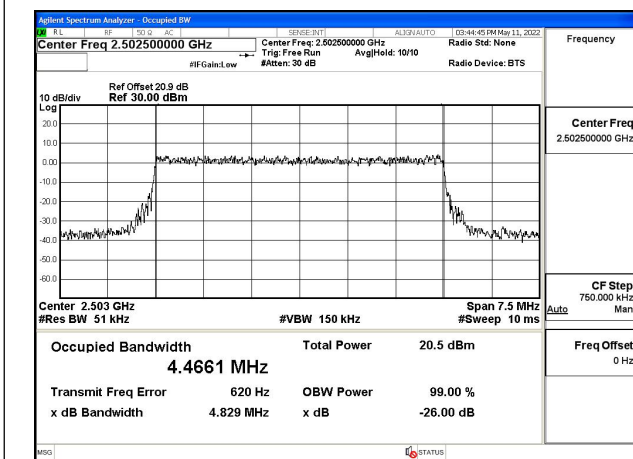


Fig.13

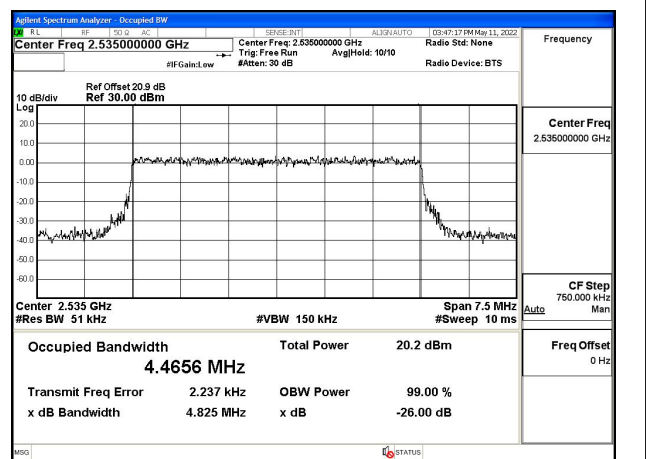


Fig.14

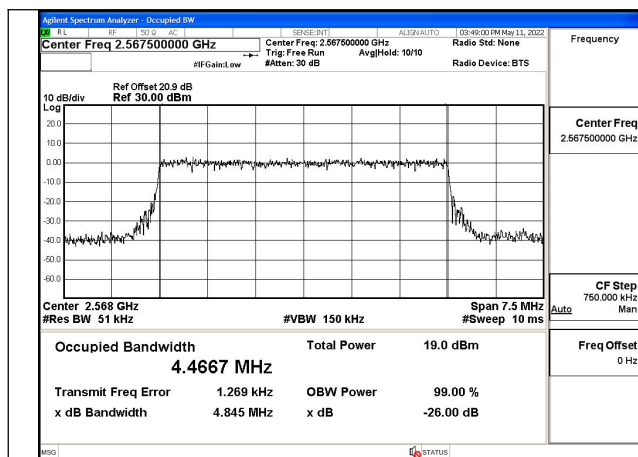


Fig.15

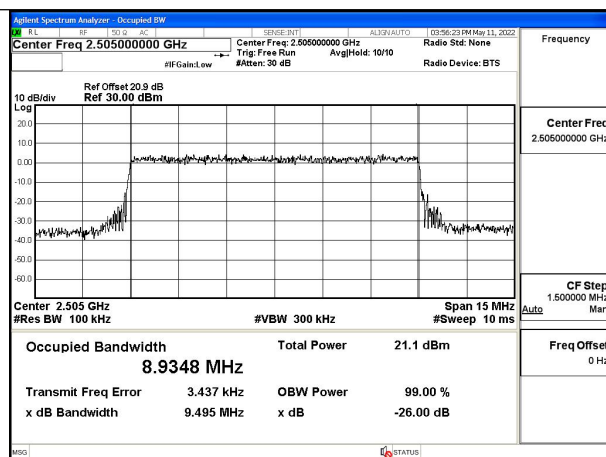


Fig.16

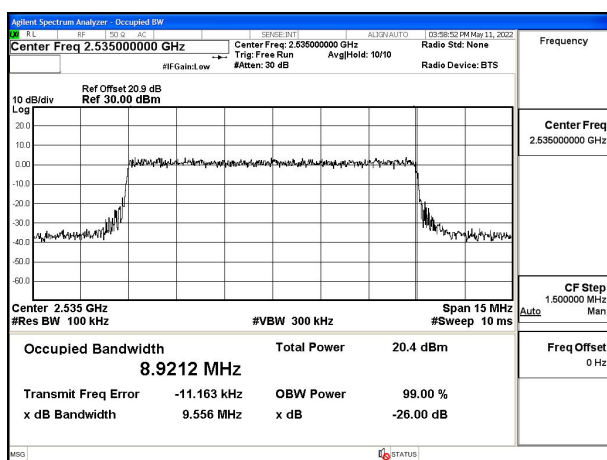


Fig.17

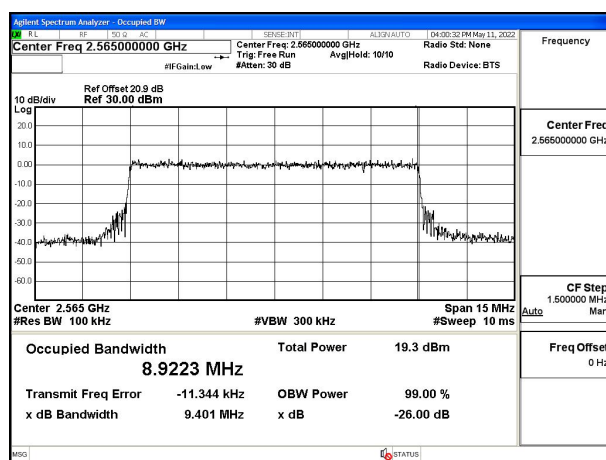


Fig.18

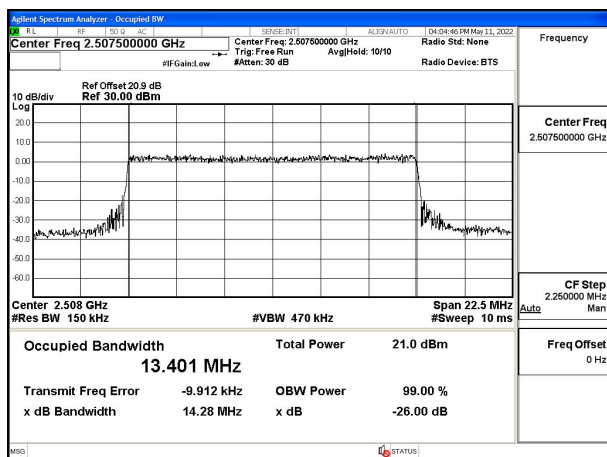


Fig.19

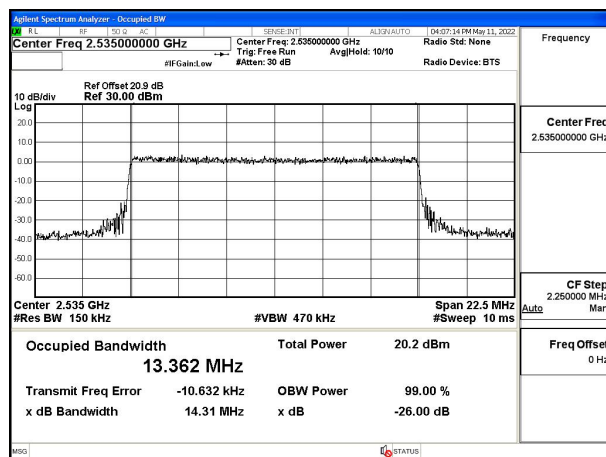


Fig.20

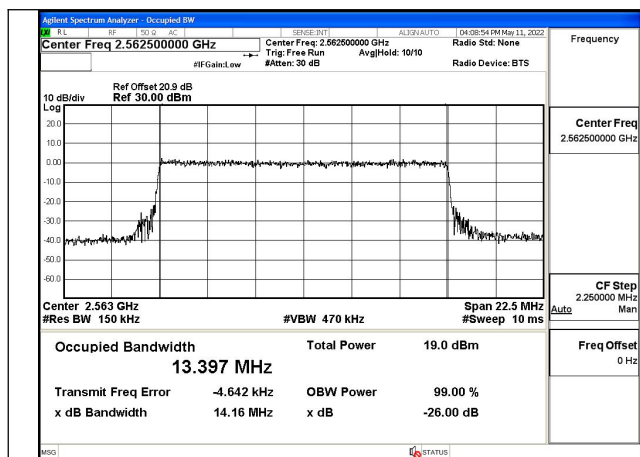


Fig.21

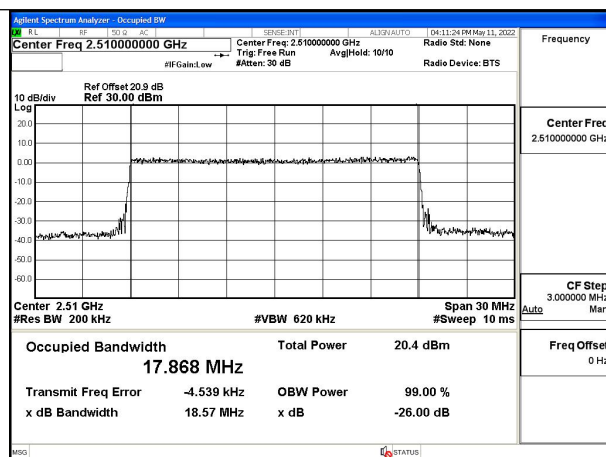


Fig.22

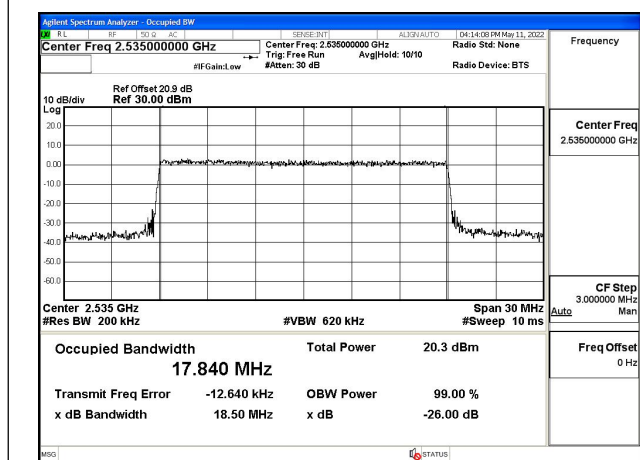


Fig.23

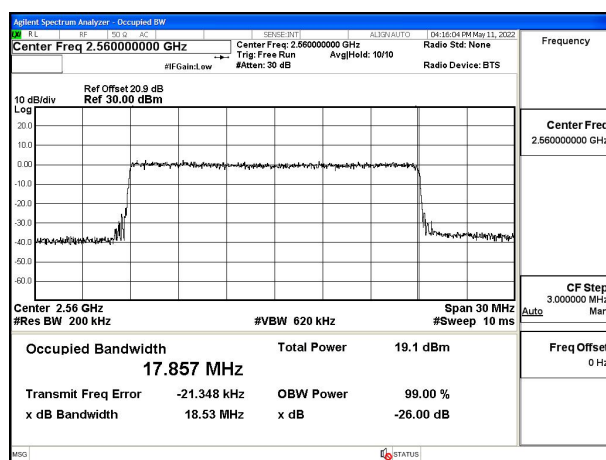


Fig.24

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	4.990	Fig.1
7	QPSK	2535	21100	5	25	0	4.990	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.850	Fig.3
7	QPSK	2505	20800	10	50	0	9.540	Fig.4
7	QPSK	2535	21100	10	50	0	9.670	Fig.5
7	QPSK	2565	21400	10	50	0	9.610	Fig.6
7	QPSK	2507.5	20825	15	75	0	14.340	Fig.7
7	QPSK	2535	21100	15	75	0	14.180	Fig.8
7	QPSK	2562.5	21375	15	75	0	14.180	Fig.9
7	QPSK	2510	20850	20	100	0	18.650	Fig.10
7	QPSK	2535	21100	20	100	0	18.740	Fig.11
7	QPSK	2560	21350	20	100	0	18.730	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	4.830	Fig.13
7	16QAM	2535	21100	5	25	0	4.830	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.840	Fig.15
7	16QAM	2505	20800	10	50	0	9.500	Fig.16
7	16QAM	2535	21100	10	50	0	9.560	Fig.17
7	16QAM	2565	21400	10	50	0	9.400	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.280	Fig.19
7	16QAM	2535	21100	15	75	0	14.310	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.160	Fig.21
7	16QAM	2510	20850	20	100	0	18.570	Fig.22
7	16QAM	2535	21100	20	100	0	18.500	Fig.23
7	16QAM	2560	21350	20	100	0	18.530	Fig.24

Test Mode: QPSK

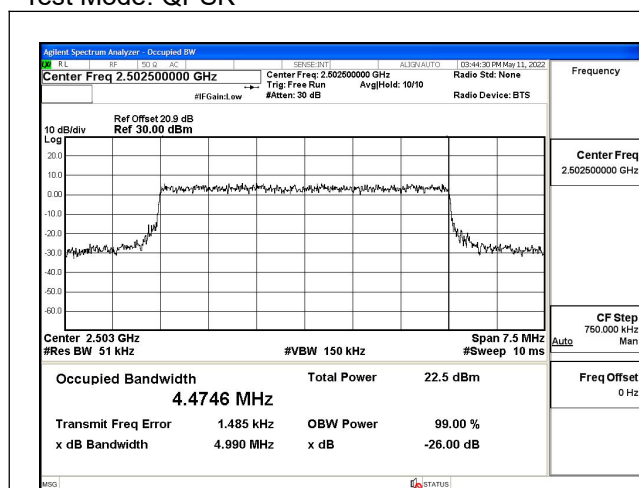


Fig.1

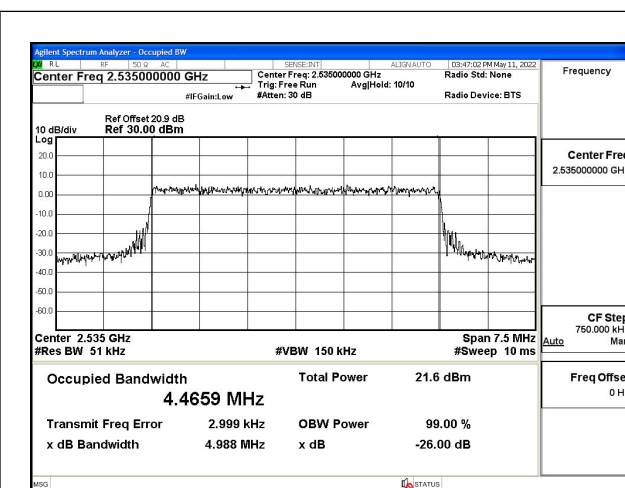


Fig.2

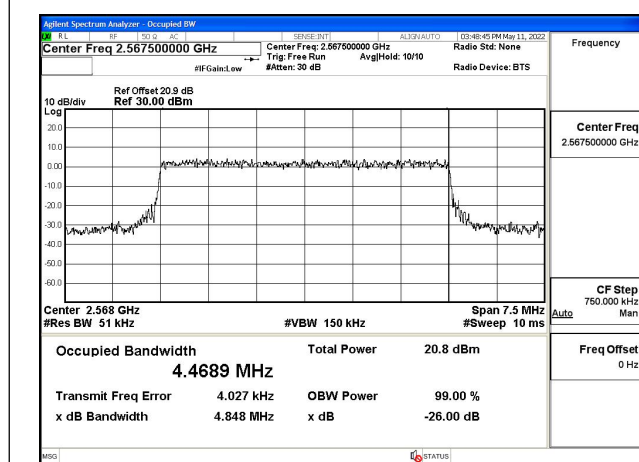


Fig.3

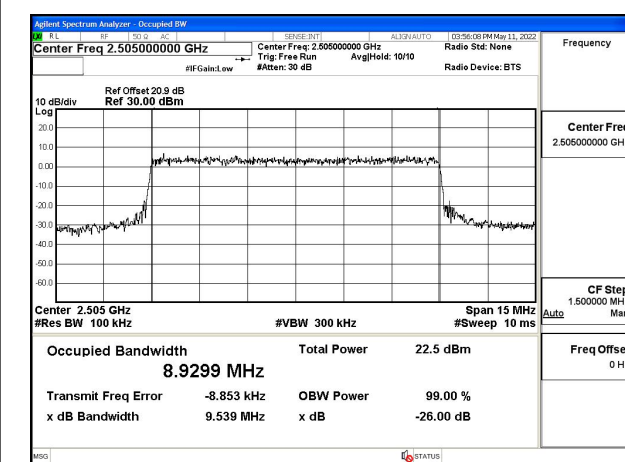


Fig.4

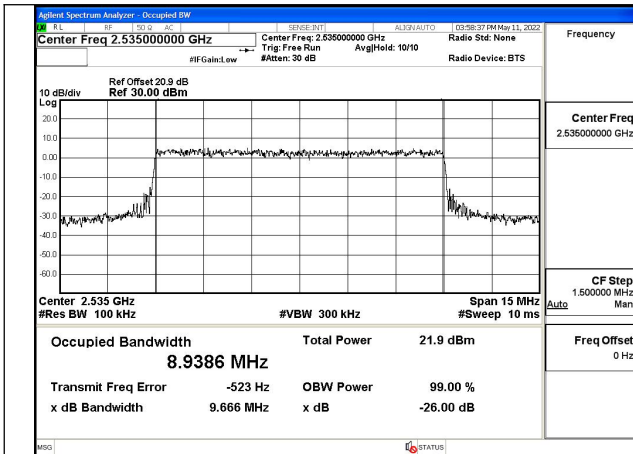


Fig.5

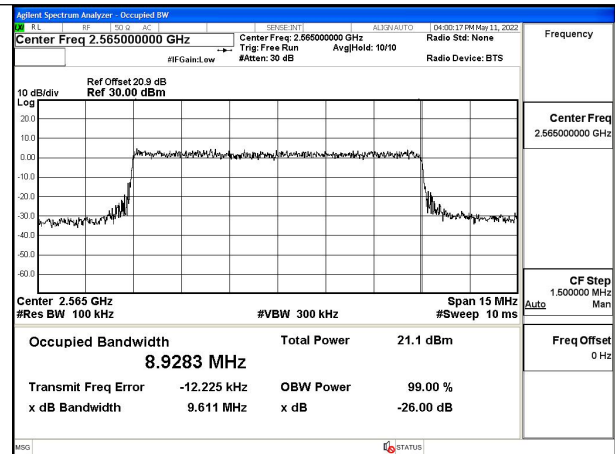


Fig.6

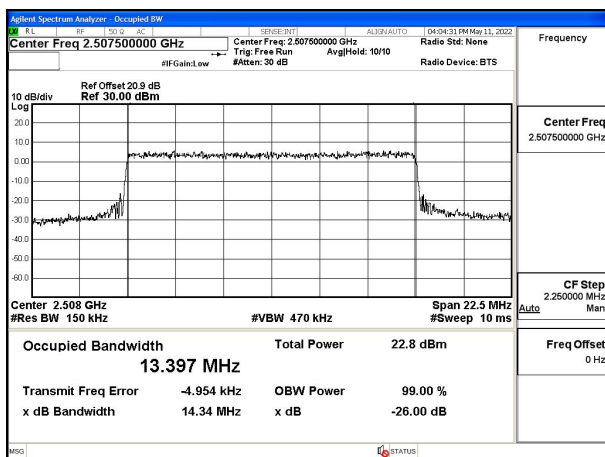


Fig.7

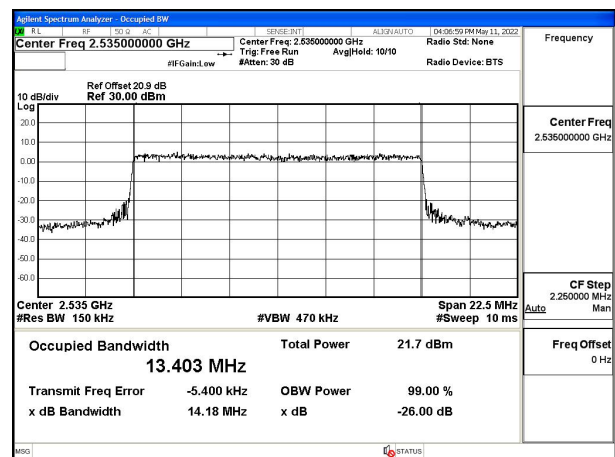


Fig.8

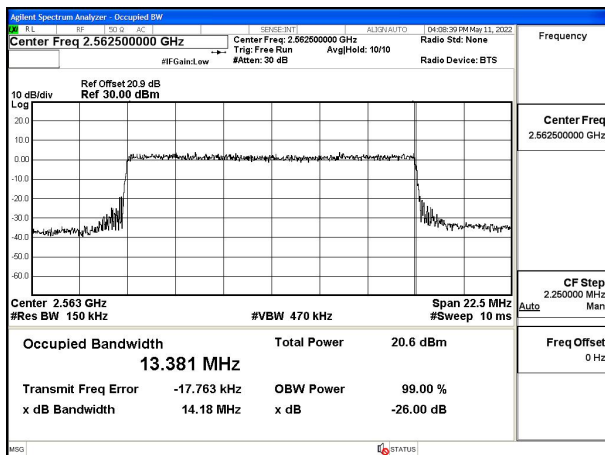


Fig.9

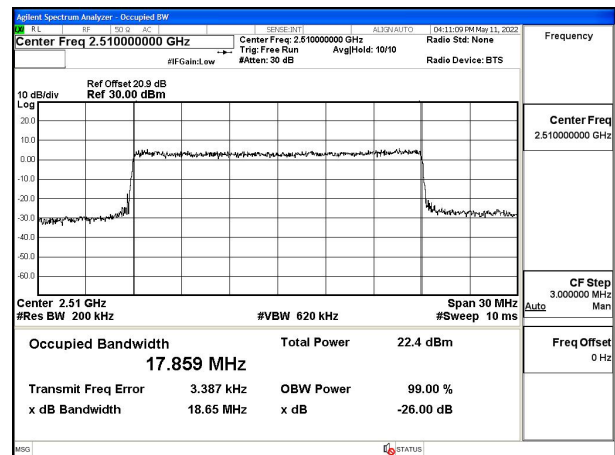


Fig.10

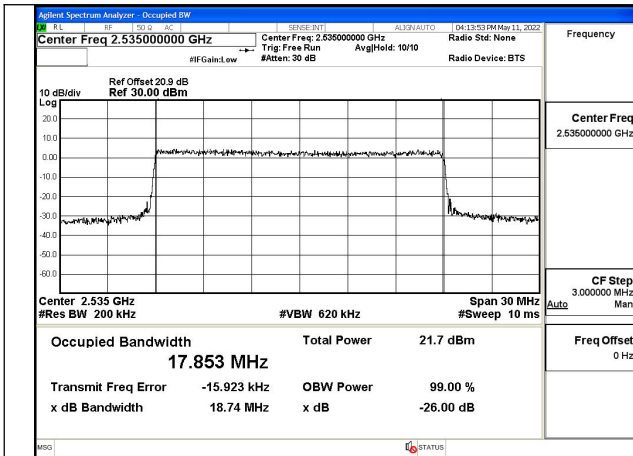


Fig.11

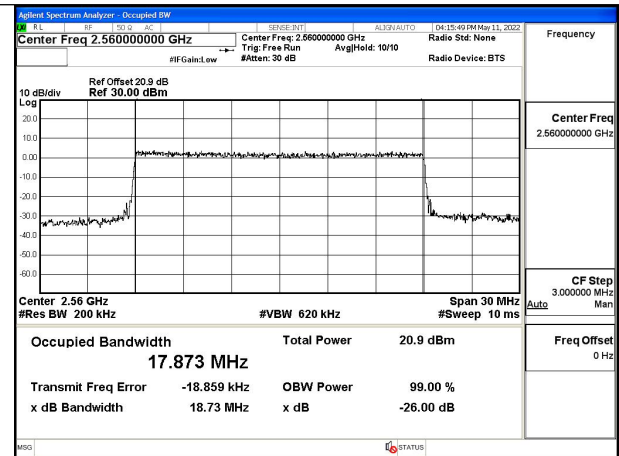


Fig.12

Test Mode: 16QAM

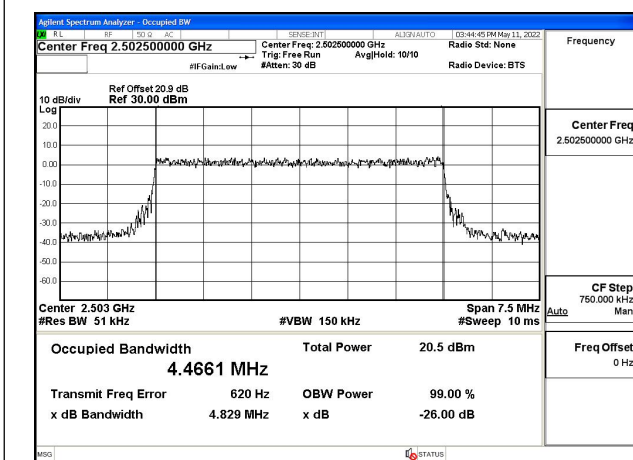


Fig.13

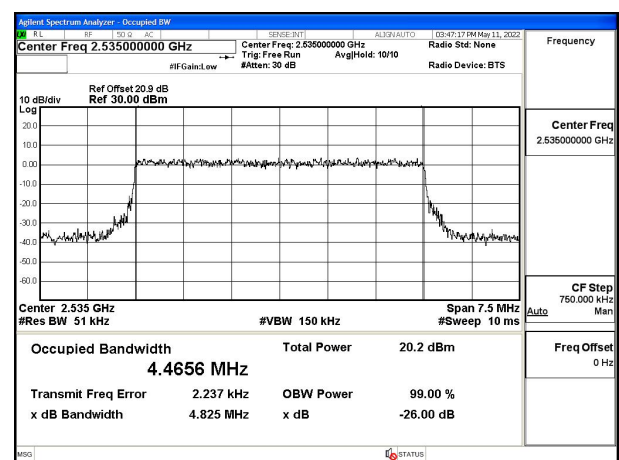


Fig.14

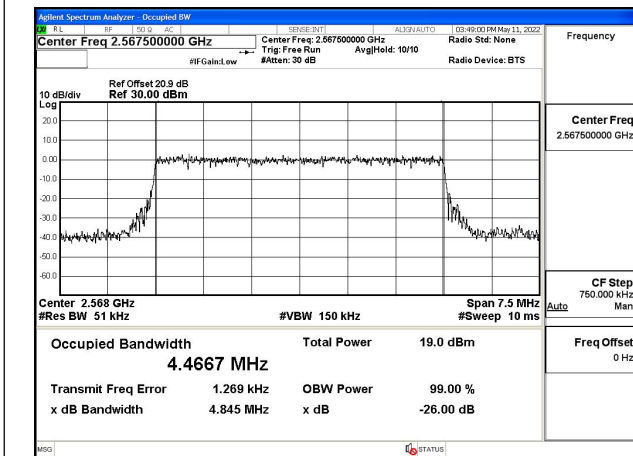


Fig.15

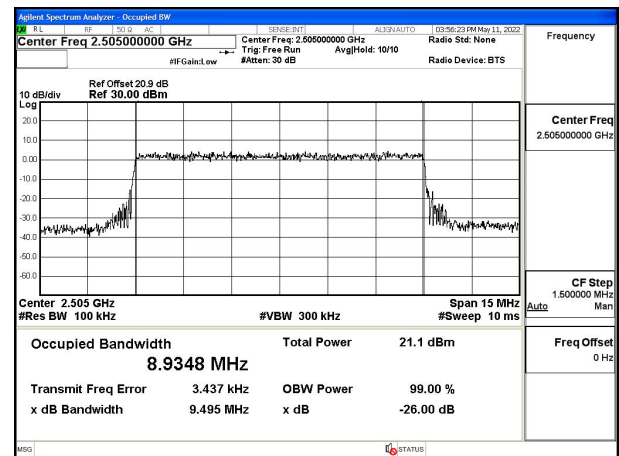


Fig.16