

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 8

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	880.7	21457	1.4	1	0	23.39
QPSK	880.7	21457	1.4	1	3	23.39
QPSK	880.7	21457	1.4	1	5	23.44
QPSK	880.7	21457	1.4	3	0	23.39
QPSK	880.7	21457	1.4	3	1	23.46
QPSK	880.7	21457	1.4	3	3	23.43
QPSK	880.7	21457	1.4	6	0	22.46
QPSK	897.5	21625	1.4	1	0	23.61
QPSK	897.5	21625	1.4	1	3	23.64
QPSK	897.5	21625	1.4	1	5	23.51
QPSK	897.5	21625	1.4	3	0	23.67
QPSK	897.5	21625	1.4	3	1	23.49
QPSK	897.5	21625	1.4	3	3	23.52
QPSK	897.5	21625	1.4	6	0	22.60
QPSK	914.3	21793	1.4	1	0	23.57
QPSK	914.3	21793	1.4	1	3	23.42
QPSK	914.3	21793	1.4	1	5	23.57
QPSK	914.3	21793	1.4	3	0	23.40
QPSK	914.3	21793	1.4	3	1	23.26
QPSK	914.3	21793	1.4	3	3	23.36
QPSK	914.3	21793	1.4	6	0	22.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	880.7	21457	1.4	1	0	23.23
16QAM	880.7	21457	1.4	1	3	22.69
16QAM	880.7	21457	1.4	1	5	23.32
16QAM	880.7	21457	1.4	3	0	22.55
16QAM	880.7	21457	1.4	3	1	22.66
16QAM	880.7	21457	1.4	3	3	22.46
16QAM	880.7	21457	1.4	6	0	21.07
16QAM	897.5	21625	1.4	1	0	23.45
16QAM	897.5	21625	1.4	1	3	22.97
16QAM	897.5	21625	1.4	1	5	23.18
16QAM	897.5	21625	1.4	3	0	22.49
16QAM	897.5	21625	1.4	3	1	22.80
16QAM	897.5	21625	1.4	3	3	22.85
16QAM	897.5	21625	1.4	6	0	21.33
16QAM	914.3	21793	1.4	1	0	22.43
16QAM	914.3	21793	1.4	1	3	22.57
16QAM	914.3	21793	1.4	1	5	22.86
16QAM	914.3	21793	1.4	3	0	22.52
16QAM	914.3	21793	1.4	3	1	22.67
16QAM	914.3	21793	1.4	3	3	22.31
16QAM	914.3	21793	1.4	6	0	21.27
64QAM	880.7	21457	1.4	1	0	21.04
64QAM	880.7	21457	1.4	1	3	21.25
64QAM	880.7	21457	1.4	1	5	21.48
64QAM	880.7	21457	1.4	3	0	21.36
64QAM	880.7	21457	1.4	3	1	21.11
64QAM	880.7	21457	1.4	3	3	20.99
64QAM	880.7	21457	1.4	6	0	20.84
64QAM	897.5	21625	1.4	1	0	22.17
64QAM	897.5	21625	1.4	1	3	22.67
64QAM	897.5	21625	1.4	1	5	22.11
64QAM	897.5	21625	1.4	3	0	21.60
64QAM	897.5	21625	1.4	3	1	21.53
64QAM	897.5	21625	1.4	3	3	21.50
64QAM	897.5	21625	1.4	6	0	20.99
64QAM	914.3	21793	1.4	1	0	21.97
64QAM	914.3	21793	1.4	1	3	21.99
64QAM	914.3	21793	1.4	1	5	22.15
64QAM	914.3	21793	1.4	3	0	21.08
64QAM	914.3	21793	1.4	3	1	21.31
64QAM	914.3	21793	1.4	3	3	21.36
64QAM	914.3	21793	1.4	6	0	20.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	881.5	21465	3	1	0	23.45
QPSK	881.5	21465	3	1	8	23.36
QPSK	881.5	21465	3	1	14	23.38
QPSK	881.5	21465	3	8	0	22.53
QPSK	881.5	21465	3	8	4	22.41
QPSK	881.5	21465	3	8	7	22.41
QPSK	881.5	21465	3	15	0	22.35
QPSK	897.5	21625	3	1	0	23.92
QPSK	897.5	21625	3	1	8	23.83
QPSK	897.5	21625	3	1	14	23.58
QPSK	897.5	21625	3	8	0	22.59
QPSK	897.5	21625	3	8	4	22.68
QPSK	897.5	21625	3	8	7	22.52
QPSK	897.5	21625	3	15	0	22.49
QPSK	913.5	21785	3	1	0	23.40
QPSK	913.5	21785	3	1	8	23.29
QPSK	913.5	21785	3	1	14	23.32
QPSK	913.5	21785	3	8	0	22.26
QPSK	913.5	21785	3	8	4	22.37
QPSK	913.5	21785	3	8	7	22.24
QPSK	913.5	21785	3	15	0	22.18

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	881.5	21465	3	1	0	22.69
16QAM	881.5	21465	3	1	8	22.76
16QAM	881.5	21465	3	1	14	22.48
16QAM	881.5	21465	3	8	0	21.37
16QAM	881.5	21465	3	8	4	21.44
16QAM	881.5	21465	3	8	7	21.50
16QAM	881.5	21465	3	15	0	21.56
16QAM	897.5	21625	3	1	0	23.14
16QAM	897.5	21625	3	1	8	22.80
16QAM	897.5	21625	3	1	14	22.93
16QAM	897.5	21625	3	8	0	21.76
16QAM	897.5	21625	3	8	4	21.71
16QAM	897.5	21625	3	8	7	21.54
16QAM	897.5	21625	3	15	0	21.69
16QAM	913.5	21785	3	1	0	22.43
16QAM	913.5	21785	3	1	8	22.57
16QAM	913.5	21785	3	1	14	22.78
16QAM	913.5	21785	3	8	0	21.51
16QAM	913.5	21785	3	8	4	21.42
16QAM	913.5	21785	3	8	7	21.22
16QAM	913.5	21785	3	15	0	21.45
64QAM	881.5	21465	3	1	0	21.48
64QAM	881.5	21465	3	1	8	21.38
64QAM	881.5	21465	3	1	14	21.79
64QAM	881.5	21465	3	8	0	21.02
64QAM	881.5	21465	3	8	4	20.83
64QAM	881.5	21465	3	8	7	20.56
64QAM	881.5	21465	3	15	0	21.15
64QAM	897.5	21625	3	1	0	21.84
64QAM	897.5	21625	3	1	8	22.13
64QAM	897.5	21625	3	1	14	21.96
64QAM	897.5	21625	3	8	0	20.74
64QAM	897.5	21625	3	8	4	20.72
64QAM	897.5	21625	3	8	7	21.08
64QAM	897.5	21625	3	15	0	21.01
64QAM	913.5	21785	3	1	0	20.95
64QAM	913.5	21785	3	1	8	21.40
64QAM	913.5	21785	3	1	14	21.19
64QAM	913.5	21785	3	8	0	20.21
64QAM	913.5	21785	3	8	4	20.29
64QAM	913.5	21785	3	8	7	20.17
64QAM	913.5	21785	3	15	0	20.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	882.5	21475	5	1	0	23.85
QPSK	882.5	21475	5	1	12	23.73
QPSK	882.5	21475	5	1	24	23.69
QPSK	882.5	21475	5	12	0	22.34
QPSK	882.5	21475	5	12	7	22.38
QPSK	882.5	21475	5	12	13	22.47
QPSK	882.5	21475	5	25	0	22.37
QPSK	897.5	21625	5	1	0	23.64
QPSK	897.5	21625	5	1	12	23.71
QPSK	897.5	21625	5	1	24	23.41
QPSK	897.5	21625	5	12	0	22.63
QPSK	897.5	21625	5	12	7	22.69
QPSK	897.5	21625	5	12	13	22.43
QPSK	897.5	21625	5	25	0	22.72
QPSK	912.5	21775	5	1	0	23.83
QPSK	912.5	21775	5	1	12	23.68
QPSK	912.5	21775	5	1	24	23.57
QPSK	912.5	21775	5	12	0	22.26
QPSK	912.5	21775	5	12	7	22.22
QPSK	912.5	21775	5	12	13	22.26
QPSK	912.5	21775	5	25	0	22.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	882.5	21475	5	1	0	22.90
16QAM	882.5	21475	5	1	12	22.74
16QAM	882.5	21475	5	1	24	22.92
16QAM	882.5	21475	5	12	0	21.30
16QAM	882.5	21475	5	12	7	21.41
16QAM	882.5	21475	5	12	13	21.51
16QAM	882.5	21475	5	25	0	21.63
16QAM	897.5	21625	5	1	0	22.90
16QAM	897.5	21625	5	1	12	22.82
16QAM	897.5	21625	5	1	24	22.43
16QAM	897.5	21625	5	12	0	21.67
16QAM	897.5	21625	5	12	7	21.56
16QAM	897.5	21625	5	12	13	21.60
16QAM	897.5	21625	5	25	0	21.57
16QAM	912.5	21775	5	1	0	22.65
16QAM	912.5	21775	5	1	12	22.95
16QAM	912.5	21775	5	1	24	22.66
16QAM	912.5	21775	5	12	0	21.52
16QAM	912.5	21775	5	12	7	21.39
16QAM	912.5	21775	5	12	13	21.22
16QAM	912.5	21775	5	25	0	21.33
64QAM	882.5	21475	5	1	0	21.72
64QAM	882.5	21475	5	1	12	21.91
64QAM	882.5	21475	5	1	24	21.63
64QAM	882.5	21475	5	12	0	20.98
64QAM	882.5	21475	5	12	7	20.73
64QAM	882.5	21475	5	12	13	20.32
64QAM	882.5	21475	5	25	0	20.42
64QAM	897.5	21625	5	1	0	21.71
64QAM	897.5	21625	5	1	12	21.81
64QAM	897.5	21625	5	1	24	21.08
64QAM	897.5	21625	5	12	0	20.92
64QAM	897.5	21625	5	12	7	20.71
64QAM	897.5	21625	5	12	13	21.07
64QAM	897.5	21625	5	25	0	20.78
64QAM	912.5	21775	5	1	0	21.75
64QAM	912.5	21775	5	1	12	21.39
64QAM	912.5	21775	5	1	24	21.71
64QAM	912.5	21775	5	12	0	20.96
64QAM	912.5	21775	5	12	7	20.42
64QAM	912.5	21775	5	12	13	20.70
64QAM	912.5	21775	5	25	0	20.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	885	21500	10	1	0	23.42
QPSK	885	21500	10	1	25	23.51
QPSK	885	21500	10	1	49	23.54
QPSK	885	21500	10	25	0	22.53
QPSK	885	21500	10	25	12	22.39
QPSK	885	21500	10	25	25	22.46
QPSK	885	21500	10	50	0	22.35
QPSK	897.5	21625	10	1	0	23.78
QPSK	897.5	21625	10	1	25	23.59
QPSK	897.5	21625	10	1	49	23.81
QPSK	897.5	21625	10	25	0	22.37
QPSK	897.5	21625	10	25	12	22.70
QPSK	897.5	21625	10	25	25	22.51
QPSK	897.5	21625	10	50	0	22.54
QPSK	910	21750	10	1	0	23.62
QPSK	910	21750	10	1	25	23.49
QPSK	910	21750	10	1	49	23.35
QPSK	910	21750	10	25	0	22.28
QPSK	910	21750	10	25	12	22.47
QPSK	910	21750	10	25	25	22.44
QPSK	910	21750	10	50	0	22.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	885	21500	10	1	0	22.70
16QAM	885	21500	10	1	25	22.71
16QAM	885	21500	10	1	49	23.06
16QAM	885	21500	10	25	0	21.49
16QAM	885	21500	10	25	12	21.37
16QAM	885	21500	10	25	25	21.34
16QAM	885	21500	10	50	0	21.47
16QAM	897.5	21625	10	1	0	22.70
16QAM	897.5	21625	10	1	25	22.89
16QAM	897.5	21625	10	1	49	23.19
16QAM	897.5	21625	10	25	0	21.77
16QAM	897.5	21625	10	25	12	21.83
16QAM	897.5	21625	10	25	25	21.53
16QAM	897.5	21625	10	50	0	21.64
16QAM	910	21750	10	1	0	22.87
16QAM	910	21750	10	1	25	23.08
16QAM	910	21750	10	1	49	22.72
16QAM	910	21750	10	25	0	21.41
16QAM	910	21750	10	25	12	21.28
16QAM	910	21750	10	25	25	21.26
16QAM	910	21750	10	50	0	21.31
64QAM	885	21500	10	1	0	21.31
64QAM	885	21500	10	1	25	21.11
64QAM	885	21500	10	1	49	21.50
64QAM	885	21500	10	25	0	20.36
64QAM	885	21500	10	25	12	20.86
64QAM	885	21500	10	25	25	20.40
64QAM	885	21500	10	50	0	20.96
64QAM	897.5	21625	10	1	0	21.93
64QAM	897.5	21625	10	1	25	21.93
64QAM	897.5	21625	10	1	49	21.60
64QAM	897.5	21625	10	25	0	20.94
64QAM	897.5	21625	10	25	12	20.97
64QAM	897.5	21625	10	25	25	21.12
64QAM	897.5	21625	10	50	0	20.88
64QAM	910	21750	10	1	0	21.48
64QAM	910	21750	10	1	25	20.93
64QAM	910	21750	10	1	49	21.15
64QAM	910	21750	10	25	0	20.73
64QAM	910	21750	10	25	12	20.77
64QAM	910	21750	10	25	25	20.26
64QAM	910	21750	10	50	0	21.14

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
8	QPSK	880.7	21457	1.4	6	0	1.070	Fig.1
8	QPSK	897.5	21625	1.4	6	0	1.080	Fig.2
8	QPSK	914.3	21793	1.4	6	0	1.080	Fig.3
8	QPSK	881.5	21465	3	15	0	2.670	Fig.4
8	QPSK	897.5	21625	3	15	0	2.670	Fig.5
8	QPSK	913.5	21785	3	15	0	2.680	Fig.6
8	QPSK	882.5	21475	5	25	0	4.460	Fig.7
8	QPSK	897.5	21625	5	25	0	4.460	Fig.8
8	QPSK	912.5	21775	5	25	0	4.460	Fig.9
8	QPSK	885	21500	10	50	0	8.910	Fig.10
8	QPSK	897.5	21625	10	50	0	8.910	Fig.11
8	QPSK	910	21750	10	50	0	8.920	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
8	16QAM	880.7	21457	1.4	6	0	1.080	Fig.13
8	16QAM	897.5	21625	1.4	6	0	1.070	Fig.14
8	16QAM	914.3	21793	1.4	6	0	1.070	Fig.15
8	16QAM	881.5	21465	3	15	0	2.690	Fig.16
8	16QAM	897.5	21625	3	15	0	2.680	Fig.17
8	16QAM	913.5	21785	3	15	0	2.680	Fig.18
8	16QAM	882.5	21475	5	25	0	4.470	Fig.19
8	16QAM	897.5	21625	5	25	0	4.450	Fig.20
8	16QAM	912.5	21775	5	25	0	4.460	Fig.21
8	16QAM	885	21500	10	50	0	8.910	Fig.22
8	16QAM	897.5	21625	10	50	0	8.930	Fig.23
8	16QAM	910	21750	10	50	0	8.930	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
8	64QAM	880.7	21457	1.4	6	0	1.080	Fig.25
8	64QAM	897.5	21625	1.4	6	0	1.080	Fig.26
8	64QAM	914.3	21793	1.4	6	0	1.070	Fig.27
8	64QAM	881.5	21465	3	15	0	2.680	Fig.28
8	64QAM	897.5	21625	3	15	0	2.670	Fig.29
8	64QAM	913.5	21785	3	15	0	2.680	Fig.30
8	64QAM	882.5	21475	5	25	0	4.450	Fig.31
8	64QAM	897.5	21625	5	25	0	4.460	Fig.32
8	64QAM	912.5	21775	5	25	0	4.460	Fig.33
8	64QAM	885	21500	10	50	0	8.910	Fig.34
8	64QAM	897.5	21625	10	50	0	8.920	Fig.35
8	64QAM	910	21750	10	50	0	8.920	Fig.36

Test Mode: QPSK

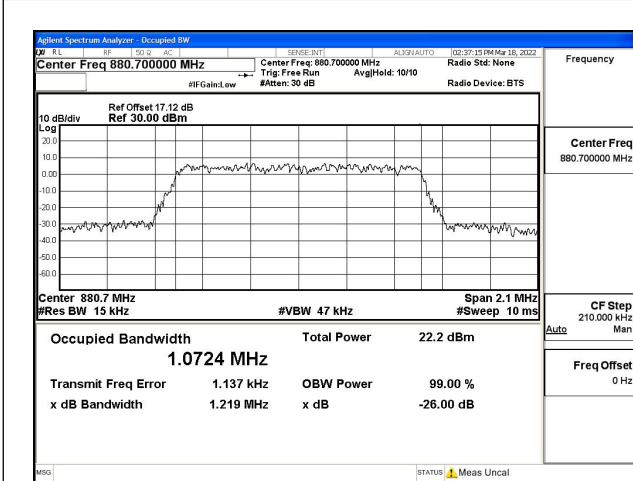


Fig.1

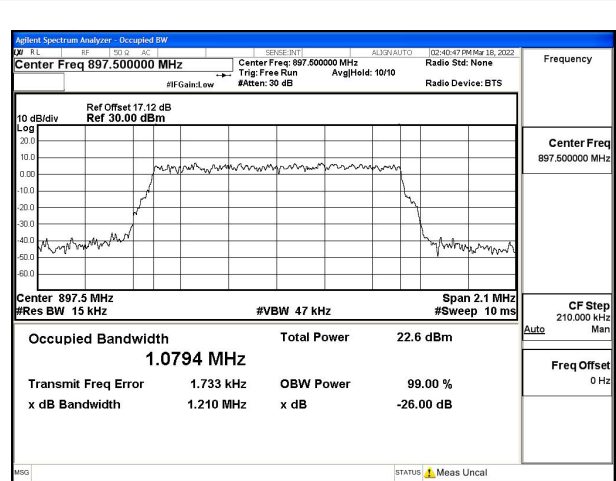


Fig.2

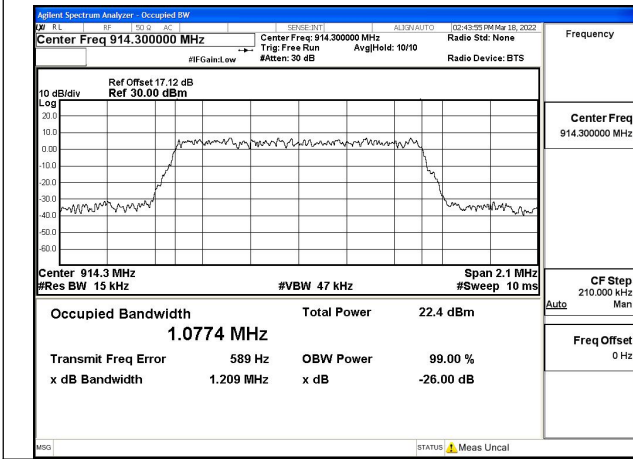


Fig.3

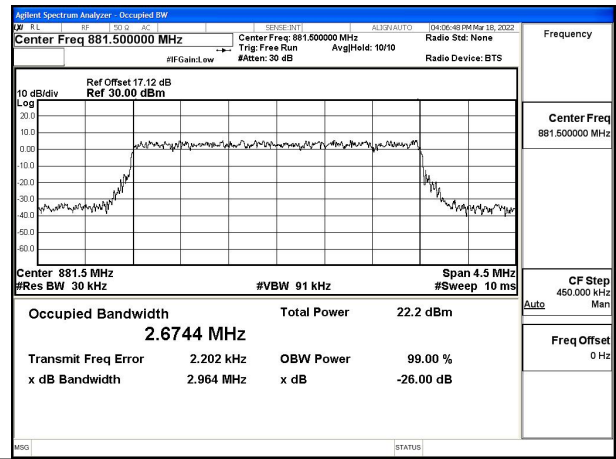


Fig.4

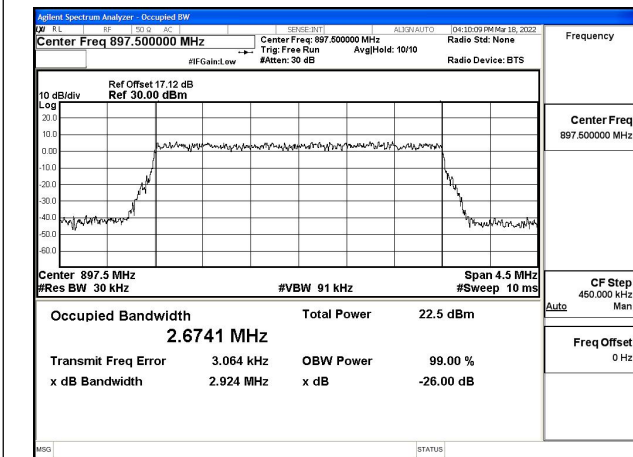


Fig.5

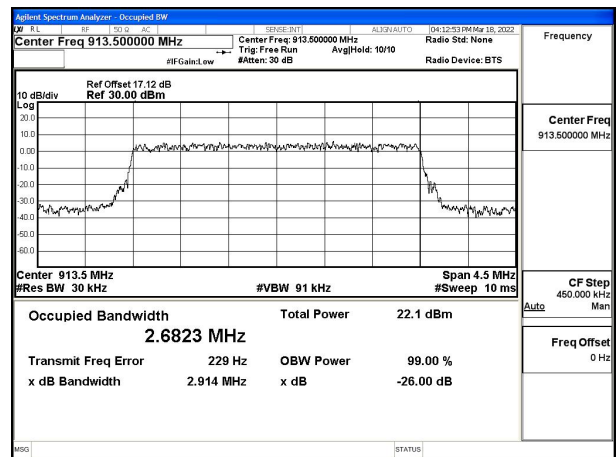


Fig.6

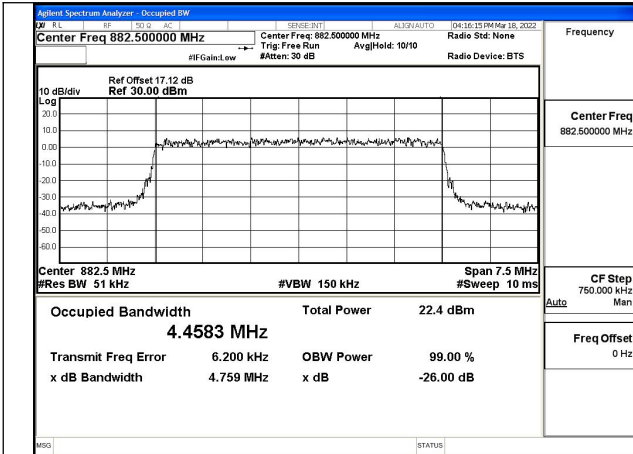


Fig.7

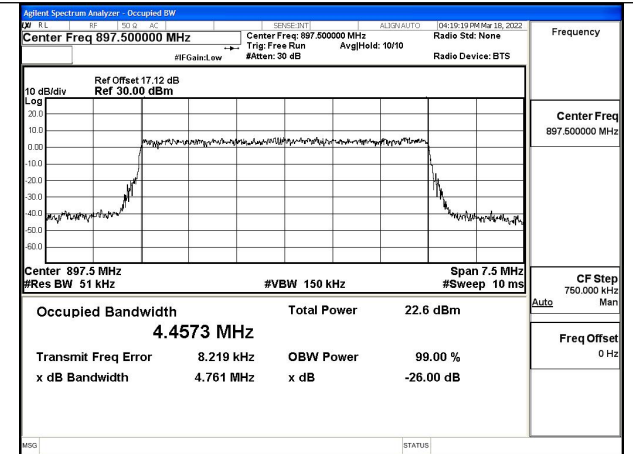


Fig.8

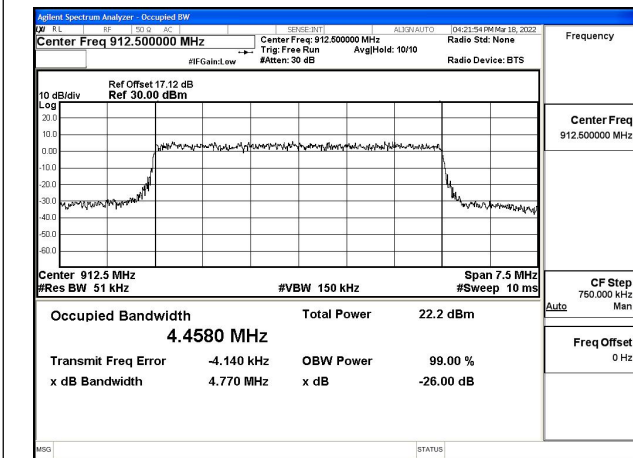


Fig.9

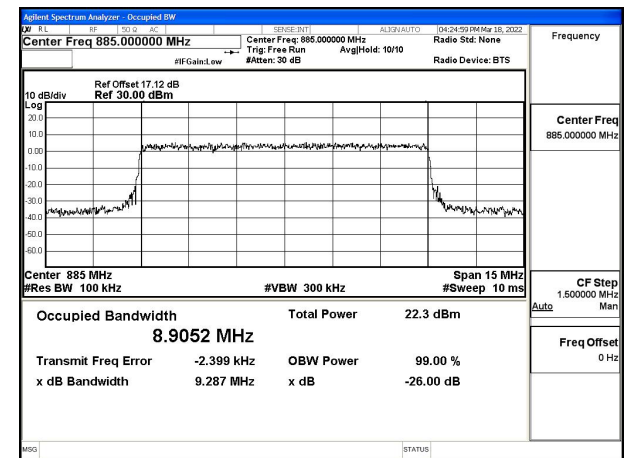


Fig.10

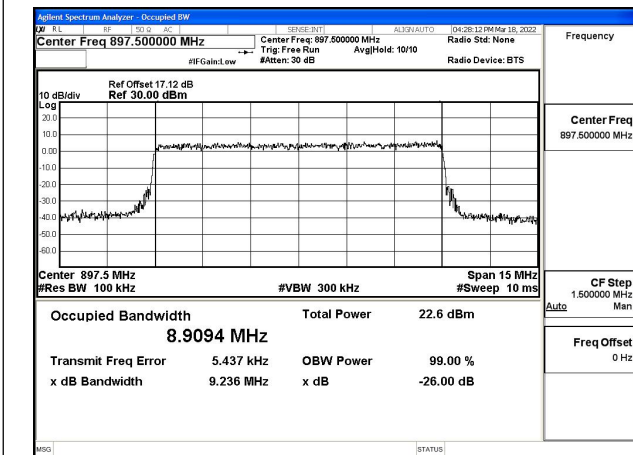


Fig.11

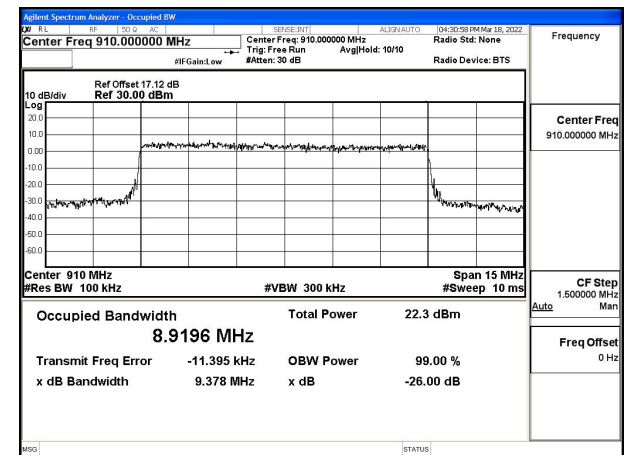


Fig.12

Test Mode: 16QAM

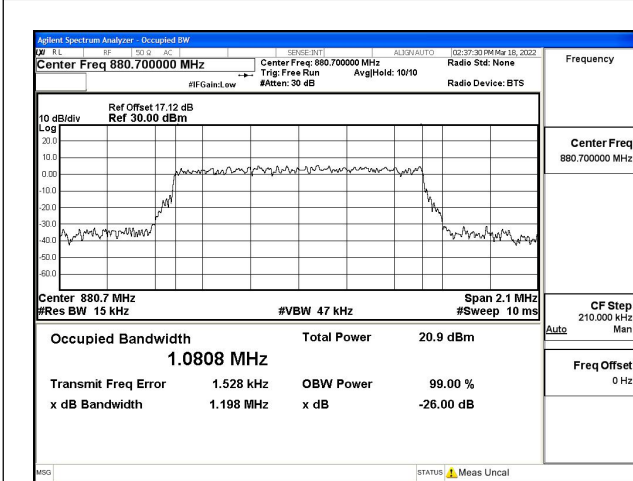


Fig.13

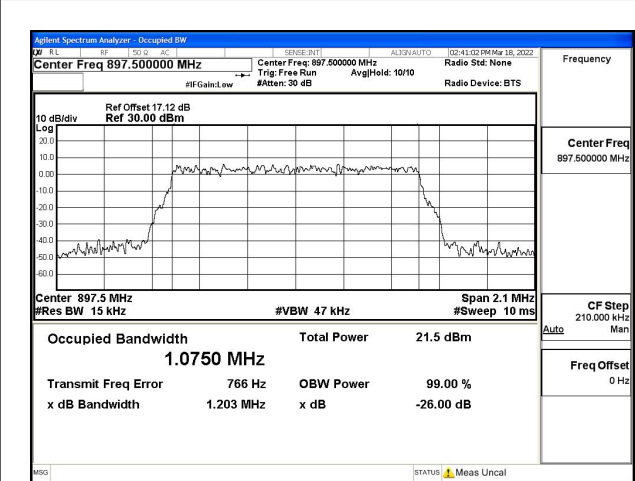


Fig.14

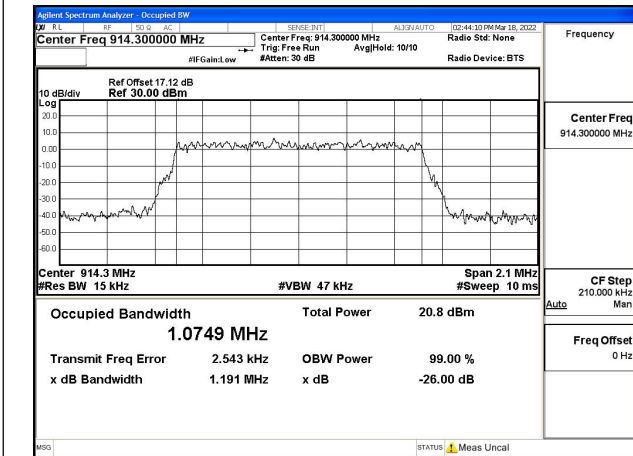


Fig.15

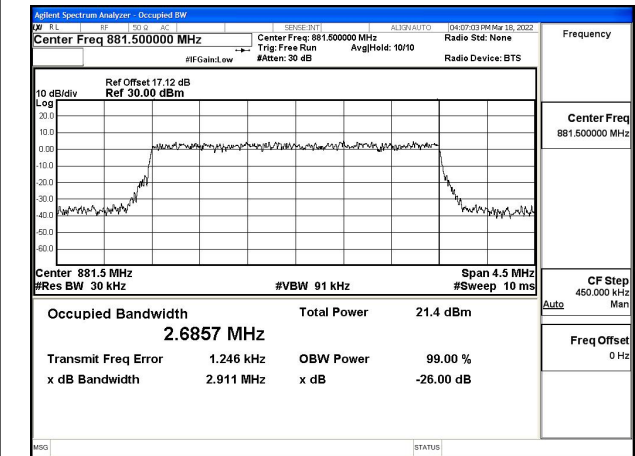


Fig.16

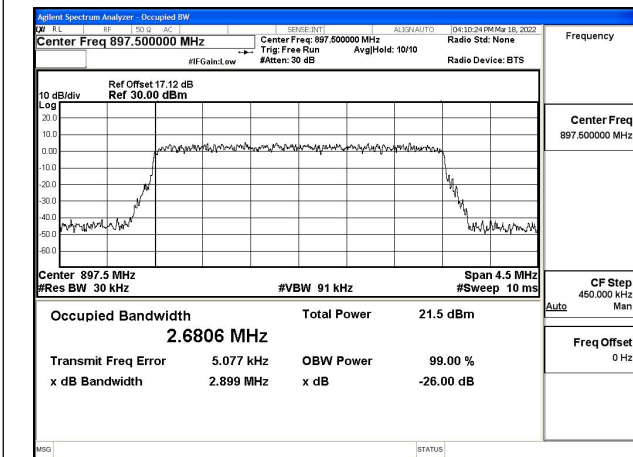


Fig.17

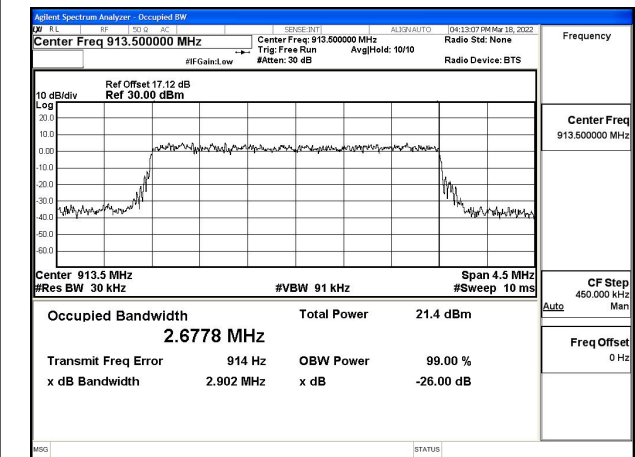


Fig.18

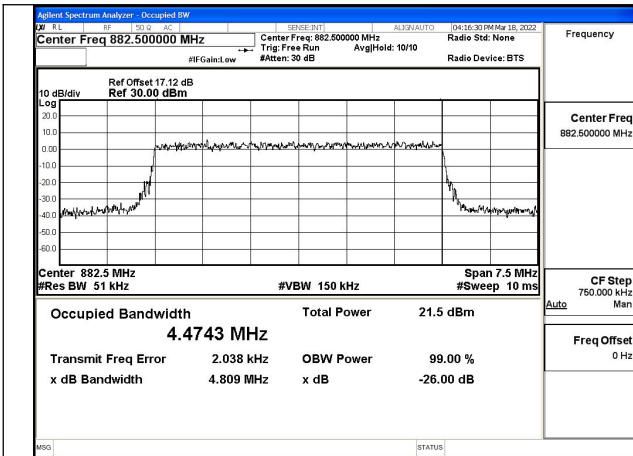


Fig.19

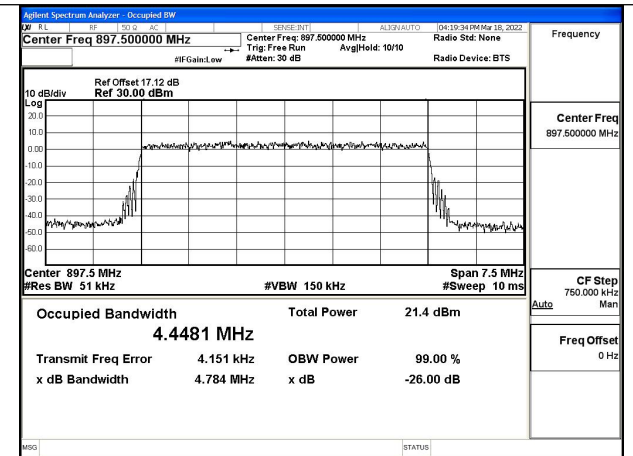


Fig.20

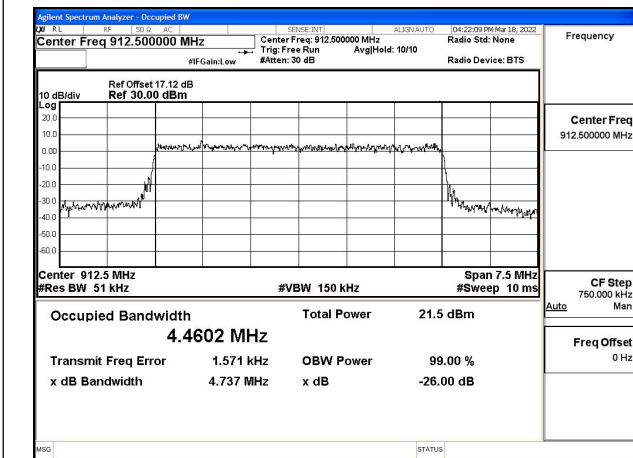


Fig.21

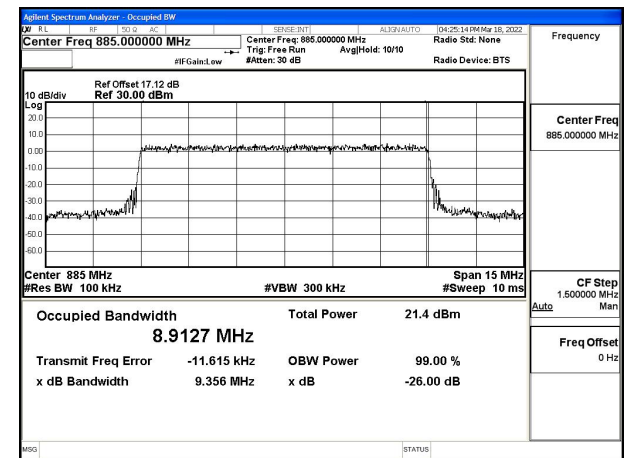


Fig.22

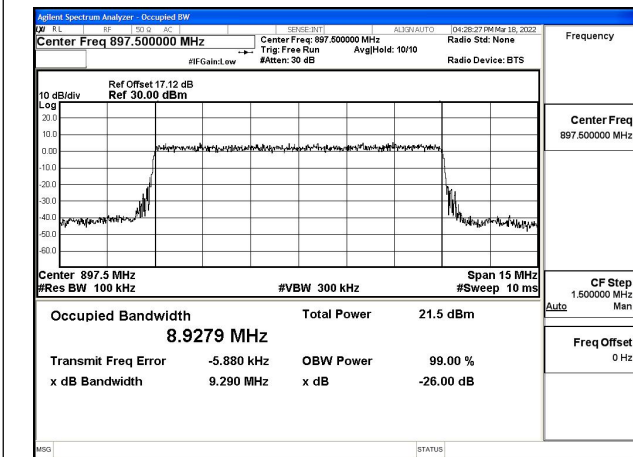


Fig.23

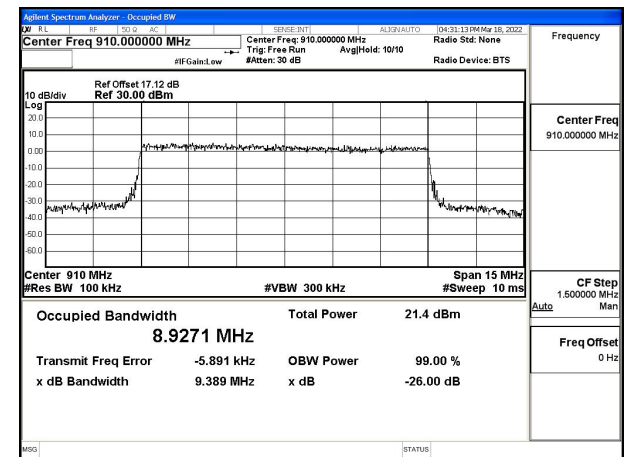


Fig.24

Test Mode: 64QAM

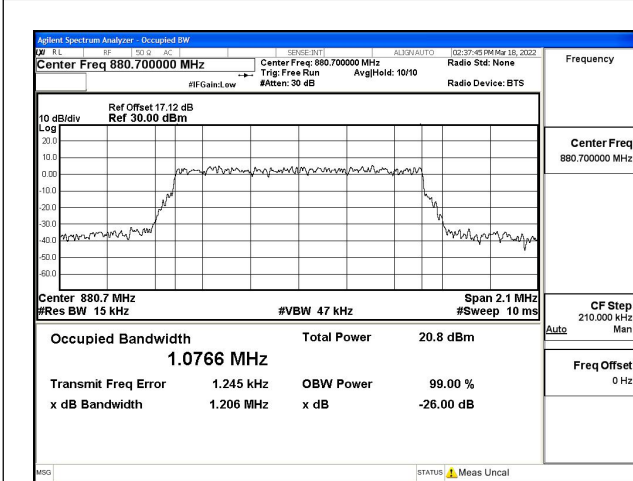


Fig.25

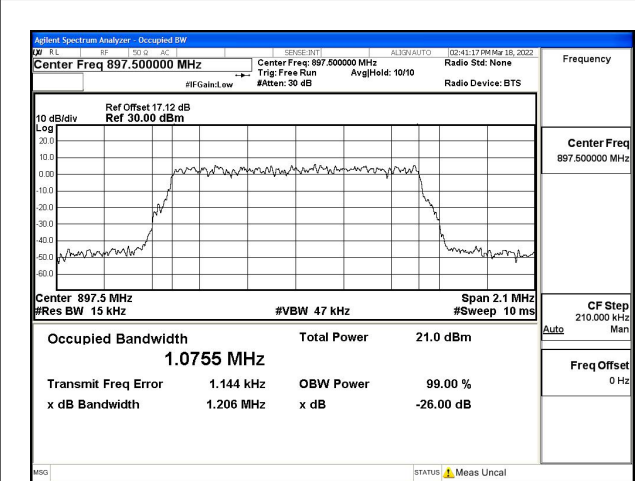


Fig.26

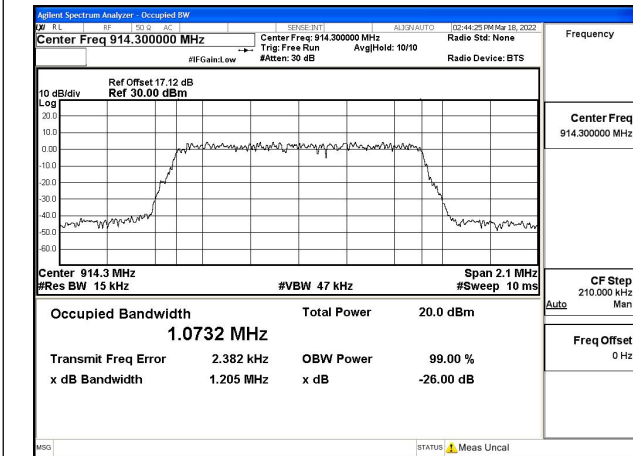


Fig.27

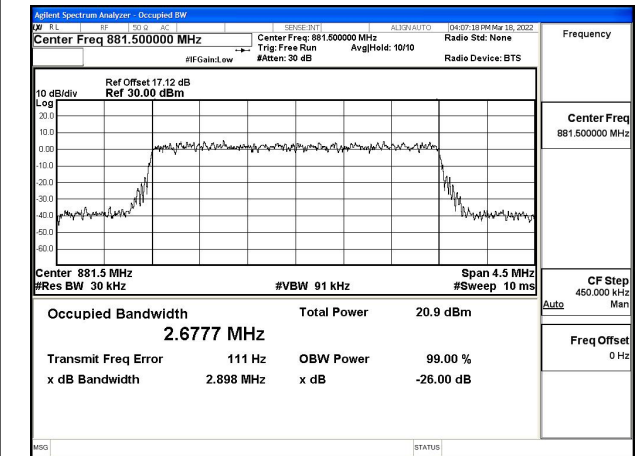


Fig.28

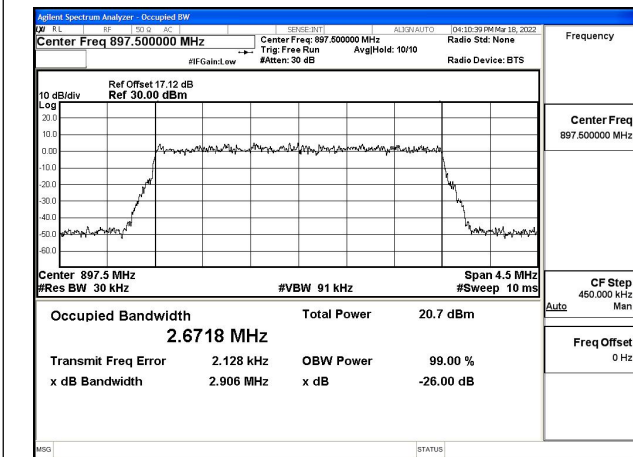


Fig.29

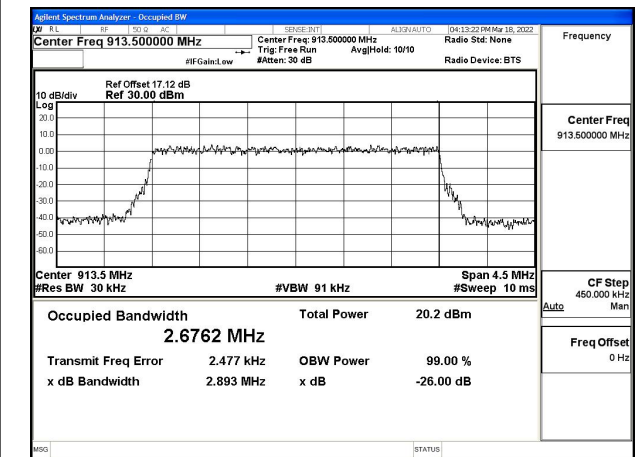


Fig.30

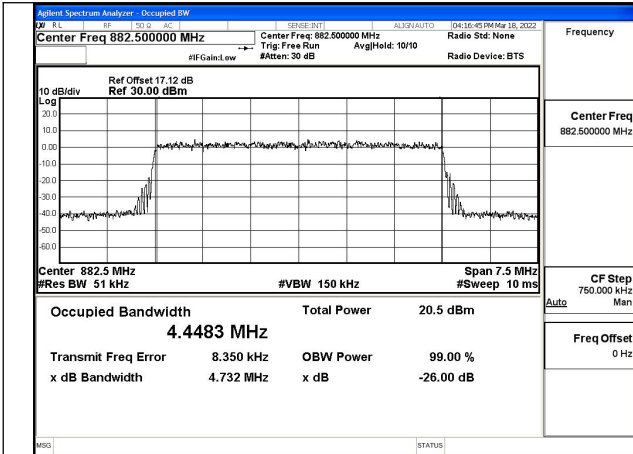


Fig.31

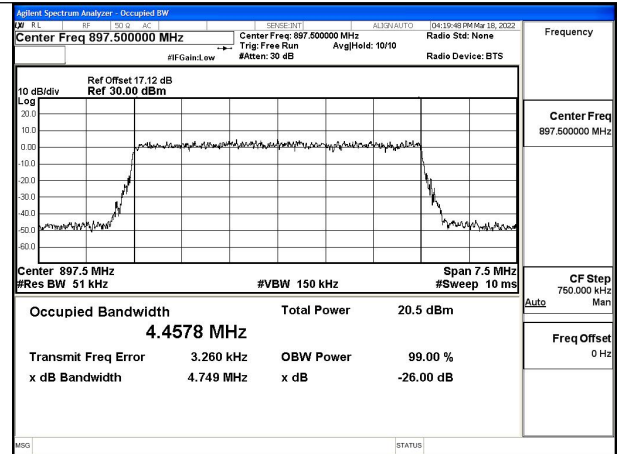


Fig.32

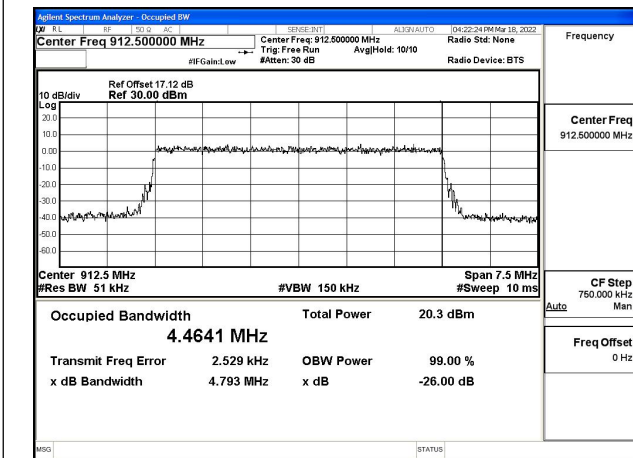


Fig.33

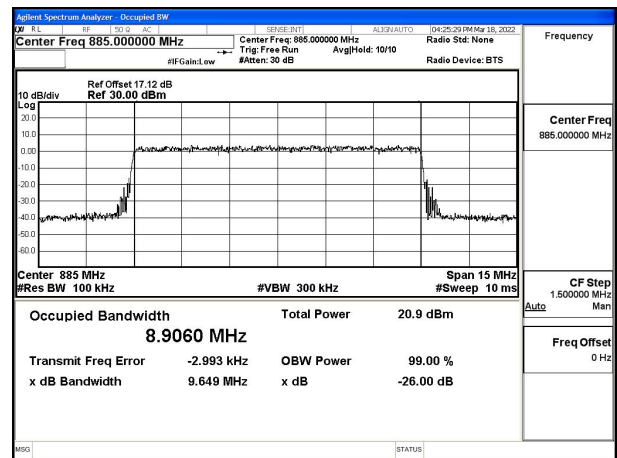


Fig.34

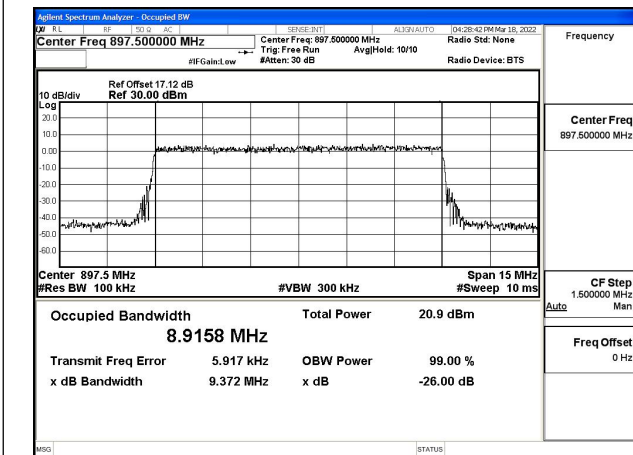


Fig.35

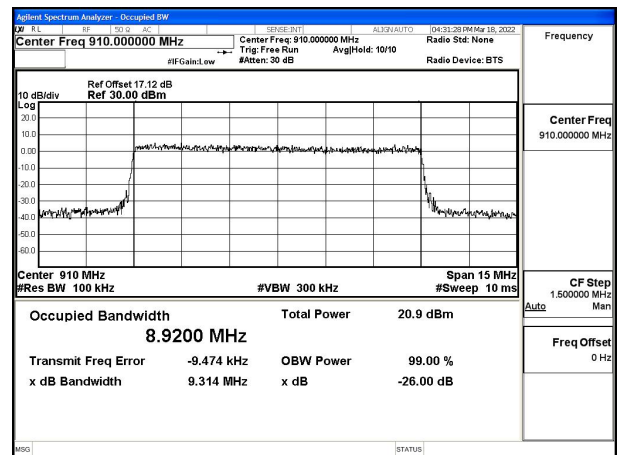


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
8	QPSK	880.7	21457	1.4	6	0	1.220	Fig.1
8	QPSK	897.5	21625	1.4	6	0	1.210	Fig.2
8	QPSK	914.3	21793	1.4	6	0	1.210	Fig.3
8	QPSK	881.5	21465	3	15	0	2.960	Fig.4
8	QPSK	897.5	21625	3	15	0	2.920	Fig.5
8	QPSK	913.5	21785	3	15	0	2.910	Fig.6
8	QPSK	882.5	21475	5	25	0	4.760	Fig.7
8	QPSK	897.5	21625	5	25	0	4.760	Fig.8
8	QPSK	912.5	21775	5	25	0	4.770	Fig.9
8	QPSK	885	21500	10	50	0	9.290	Fig.10
8	QPSK	897.5	21625	10	50	0	9.240	Fig.11
8	QPSK	910	21750	10	50	0	9.380	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
8	16QAM	880.7	21457	1.4	6	0	1.200	Fig.13
8	16QAM	897.5	21625	1.4	6	0	1.200	Fig.14
8	16QAM	914.3	21793	1.4	6	0	1.190	Fig.15
8	16QAM	881.5	21465	3	15	0	2.910	Fig.16
8	16QAM	897.5	21625	3	15	0	2.900	Fig.17
8	16QAM	913.5	21785	3	15	0	2.900	Fig.18
8	16QAM	882.5	21475	5	25	0	4.810	Fig.19
8	16QAM	897.5	21625	5	25	0	4.780	Fig.20
8	16QAM	912.5	21775	5	25	0	4.740	Fig.21
8	16QAM	885	21500	10	50	0	9.360	Fig.22
8	16QAM	897.5	21625	10	50	0	9.290	Fig.23
8	16QAM	910	21750	10	50	0	9.390	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
8	64QAM	880.7	21457	1.4	6	0	1.210	Fig.25
8	64QAM	897.5	21625	1.4	6	0	1.210	Fig.26
8	64QAM	914.3	21793	1.4	6	0	1.210	Fig.27
8	64QAM	881.5	21465	3	15	0	2.900	Fig.28
8	64QAM	897.5	21625	3	15	0	2.910	Fig.29
8	64QAM	913.5	21785	3	15	0	2.890	Fig.30
8	64QAM	882.5	21475	5	25	0	4.730	Fig.31
8	64QAM	897.5	21625	5	25	0	4.750	Fig.32
8	64QAM	912.5	21775	5	25	0	4.790	Fig.33
8	64QAM	885	21500	10	50	0	9.650	Fig.34
8	64QAM	897.5	21625	10	50	0	9.370	Fig.35
8	64QAM	910	21750	10	50	0	9.310	Fig.36

Test Mode: QPSK

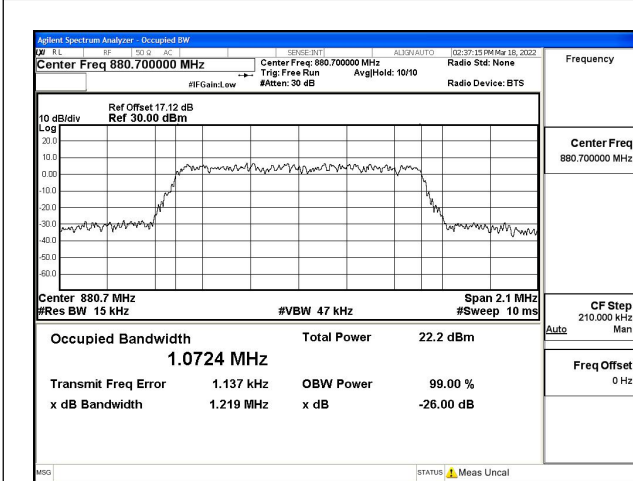


Fig.1

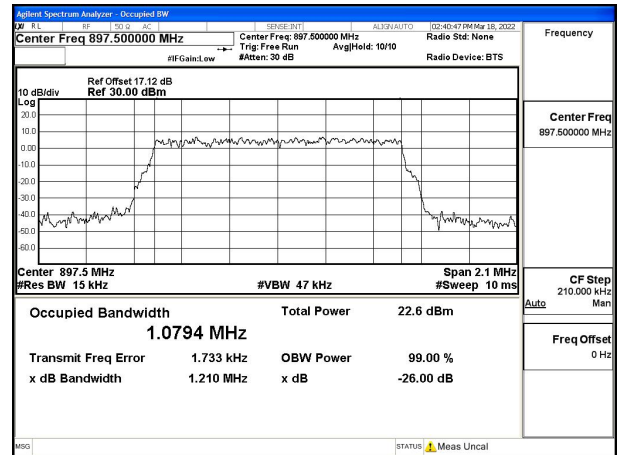


Fig.2

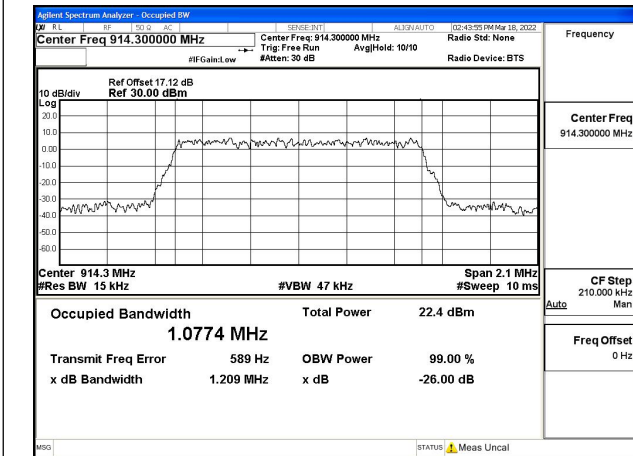


Fig.3

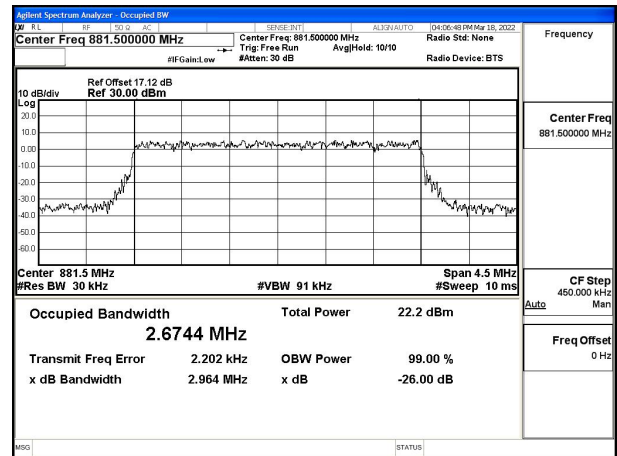


Fig.4

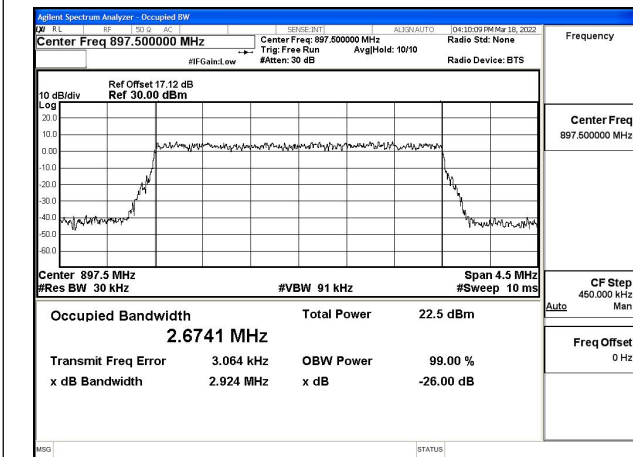


Fig.5

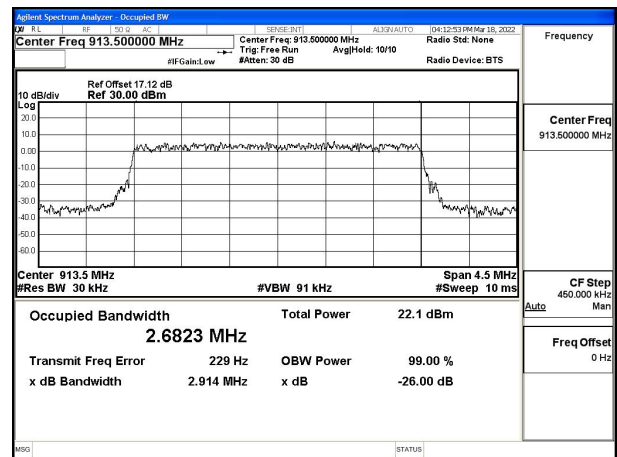


Fig.6