

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

LTE Band 25

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	26047	1.4	1	0	22.55
				1	5	22.21
				3	2	21.71
				6	0	21.70
	1882.5	26365		1	0	22.29
				1	5	22.41
				3	2	21.29
				6	0	21.50
	1914.3	26683		1	0	22.22
				1	5	22.40
				3	2	21.79
				6	0	21.48
16QAM	1850.7	26047	1.4	1	0	20.77
				1	5	21.23
				3	2	20.54
				6	0	20.65
	1882.5	26365		1	0	20.94
				1	5	20.79
				3	2	20.38
				6	0	20.31
	1914.3	26683		1	0	21.60
				1	5	21.49
				3	2	20.57
				6	0	20.41
64QAM	1850.7	26047	1.4	1	0	21.00
				1	5	21.05
				3	2	20.48
				6	0	20.72
	1882.5	26365		1	0	20.54
				1	5	20.43
				3	2	20.46
				6	0	20.34
	1914.3	26683		1	0	20.94
				1	5	20.91
				3	2	20.57
				6	0	20.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	26055	3	1	0	22.47
				1	14	22.31
				8	4	21.63
				15	0	21.80
	1882.5	26365		1	0	22.19
				1	14	22.50
				8	4	21.35
				15	0	21.24
	1913.5	26675		1	0	22.26
				1	14	22.49
				8	4	21.61
				15	0	21.56
16QAM	1851.5	26055	3	1	0	20.92
				1	14	21.28
				8	4	20.62
				15	0	20.59
	1882.5	26365		1	0	20.94
				1	14	20.65
				8	4	20.29
				15	0	20.34
	1913.5	26675		1	0	21.64
				1	14	21.72
				8	4	20.48
				15	0	20.30
64QAM	1851.5	26055	3	1	0	20.86
				1	14	21.15
				8	4	20.58
				15	0	20.64
	1882.5	26365		1	0	20.60
				1	14	20.47
				8	4	20.45
				15	0	20.26
	1913.5	26675		1	0	20.91
				1	14	20.68
				8	4	20.63
				15	0	20.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	26065	5	1	0	22.73
				1	24	22.16
				12	6	21.49
				25	0	21.76
	1882.5	26365		1	0	22.34
				1	24	22.30
				12	6	21.48
				25	0	21.25
	1912.5	26665		1	0	22.26
				1	24	22.33
				12	6	21.54
				25	0	21.55
16QAM	1852.5	26065	5	1	0	20.69
				1	24	21.24
				12	6	20.52
				25	0	20.57
	1882.5	26365		1	0	20.84
				1	24	20.55
				12	6	20.41
				25	0	20.11
	1912.5	26665		1	0	21.71
				1	24	21.48
				12	6	20.57
				25	0	20.34
64QAM	1852.5	26065	5	1	0	20.95
				1	24	21.05
				12	6	20.48
				25	0	20.77
	1882.5	26365		1	0	20.50
				1	24	20.59
				12	6	20.36
				25	0	20.27
	1912.5	26665		1	0	20.82
				1	24	20.81
				12	6	20.37
				25	0	20.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	26090	10	1	0	22.68
				1	49	22.15
				24	12	21.69
				50	0	21.79
	1882.5	26365		1	0	22.32
				1	49	22.27
				24	12	21.40
				50	0	21.26
	1910	26640		1	0	22.10
				1	49	22.41
				24	12	21.54
				50	0	21.47
16QAM	1855	26090	10	1	0	20.75
				1	49	21.27
				24	12	20.40
				50	0	20.67
	1882.5	26365		1	0	20.70
				1	49	20.68
				24	12	20.25
				50	0	20.11
	1910	26640		1	0	21.57
				1	49	21.75
				24	12	20.50
				50	0	20.25
64QAM	1855	26090	10	1	0	21.02
				1	49	21.18
				24	12	20.52
				50	0	20.67
	1882.5	26365		1	0	20.67
				1	49	20.46
				24	12	20.56
				50	0	20.18
	1910	26640		1	0	21.02
				1	49	20.76
				24	12	20.44
				50	0	20.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	26115	15	1	0	22.50
				1	74	22.19
				40	18	21.66
				75	0	21.64
	1882.5	26365		1	0	22.25
				1	74	22.44
				40	18	21.53
				75	0	21.36
	1907.5	26615		1	0	22.13
				1	74	22.33
				40	18	21.60
				75	0	21.53
16QAM	1857.5	26115	15	1	0	20.77
				1	74	21.49
				40	18	20.39
				75	0	20.67
	1882.5	26365		1	0	20.72
				1	74	20.75
				40	18	20.18
				75	0	20.27
	1907.5	26615		1	0	21.82
				1	74	21.61
				40	18	20.49
				75	0	20.14
64QAM	1857.5	26115	15	1	0	20.99
				1	74	20.96
				40	18	20.50
				75	0	20.62
	1882.5	26365		1	0	20.62
				1	74	20.66
				40	18	20.51
				75	0	20.12
	1907.5	26615		1	0	20.84
				1	74	20.83
				40	18	20.51
				75	0	20.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	26140	20	1	0	22.87
				1	99	22.51
				50	25	21.87
				100	0	21.95
	1882.5	26365		1	0	22.46
				1	99	22.66
				50	25	21.64
				100	0	21.63
	1905	26590		1	0	22.41
				1	99	22.62
				50	25	21.93
				100	0	21.69
16QAM	1860	26140	20	1	0	21.04
				1	99	21.60
				50	25	20.73
				100	0	20.82
	1882.5	26365		1	0	21.07
				1	99	20.93
				50	25	20.54
				100	0	20.48
	1905	26590		1	0	21.93
				1	99	21.87
				50	25	20.71
				100	0	20.53
64QAM	1860	26140	20	1	0	21.21
				1	99	21.34
				50	25	20.84
				100	0	20.90
	1882.5	26365		1	0	20.86
				1	99	20.80
				50	25	20.67
				100	0	20.51
	1905	26590		1	0	21.20
				1	99	21.05
				50	25	20.75
				100	0	20.61

## 2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
25	1850.7	26047	1.4	6	0	1.0761	Fig.1	1.0775	Fig.2	1.0767	Fig.3
	1882.5	26365		6	0	1.0761	Fig.4	1.0753	Fig.5	1.0782	Fig.6
	1914.3	26683		6	0	1.0782	Fig.7	1.0717	Fig.8	1.0755	Fig.9
	1851.5	26055	3	15	0	2.6819	Fig.10	2.6923	Fig.11	2.6857	Fig.12
	1882.5	26365		15	0	2.6849	Fig.13	2.6811	Fig.14	2.6942	Fig.15
	1913.5	26675		15	0	2.6938	Fig.16	2.6928	Fig.17	2.6768	Fig.18
	1852.5	26065	5	25	0	4.4667	Fig.19	4.4561	Fig.20	4.4665	Fig.21
	1882.5	26365		25	0	4.4860	Fig.22	4.4719	Fig.23	4.4760	Fig.24
	1912.5	26665		25	0	4.4687	Fig.25	4.4589	Fig.26	4.4648	Fig.27
	1855	26090	10	50	0	8.9137	Fig.28	8.8801	Fig.29	8.9074	Fig.30
	1882.5	26365		50	0	8.8890	Fig.31	8.8910	Fig.32	8.8983	Fig.33
	1910	26640		50	0	8.9047	Fig.34	8.8808	Fig.35	8.8767	Fig.36
	1857.5	26115	15	75	0	13.334	Fig.37	13.314	Fig.38	13.355	Fig.39
	1882.5	26365		75	0	13.299	Fig.40	13.317	Fig.41	13.328	Fig.42
	1907.5	26615		75	0	13.321	Fig.43	13.331	Fig.44	13.380	Fig.45
	1860	26140	20	100	0	17.820	Fig.46	17.825	Fig.47	17.766	Fig.48
	1882.5	26365		100	0	17.912	Fig.49	17.897	Fig.50	17.898	Fig.51
	1905	26590		100	0	17.879	Fig.52	17.888	Fig.53	17.887	Fig.54

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
25	1850.7	26047	1.4	6	0	1.208	Fig.1	1.233	Fig.2	1.222	Fig.3
	1882.5	26365		6	0	1.224	Fig.4	1.223	Fig.5	1.230	Fig.6
	1914.3	26683		6	0	1.231	Fig.7	1.229	Fig.8	1.211	Fig.9
	1851.5	26055	3	15	0	2.880	Fig.10	2.857	Fig.11	2.858	Fig.12
	1882.5	26365		15	0	2.874	Fig.13	2.823	Fig.14	2.880	Fig.15
	1913.5	26675		15	0	2.893	Fig.16	2.901	Fig.17	2.841	Fig.18
	1852.5	26065	5	25	0	4.716	Fig.19	4.739	Fig.20	4.735	Fig.21
	1882.5	26365		25	0	4.779	Fig.22	4.756	Fig.23	4.759	Fig.24
	1912.5	26665		25	0	4.774	Fig.25	4.735	Fig.26	4.809	Fig.27
	1855	26090	10	50	0	9.317	Fig.28	9.357	Fig.29	9.310	Fig.30
	1882.5	26365		50	0	9.300	Fig.31	9.304	Fig.32	9.442	Fig.33
	1910	26640		50	0	9.283	Fig.34	9.351	Fig.35	9.426	Fig.36
	1857.5	26115	15	75	0	13.99	Fig.37	13.87	Fig.38	13.91	Fig.39
	1882.5	26365		75	0	13.96	Fig.40	13.91	Fig.41	13.87	Fig.42
	1907.5	26615		75	0	13.88	Fig.43	13.88	Fig.44	13.91	Fig.45
	1860	26140	20	100	0	18.66	Fig.46	18.51	Fig.47	18.57	Fig.48
	1882.5	26365		100	0	19.18	Fig.49	19.18	Fig.50	19.25	Fig.51
	1905	26590		100	0	19.41	Fig.52	19.12	Fig.53	19.31	Fig.54

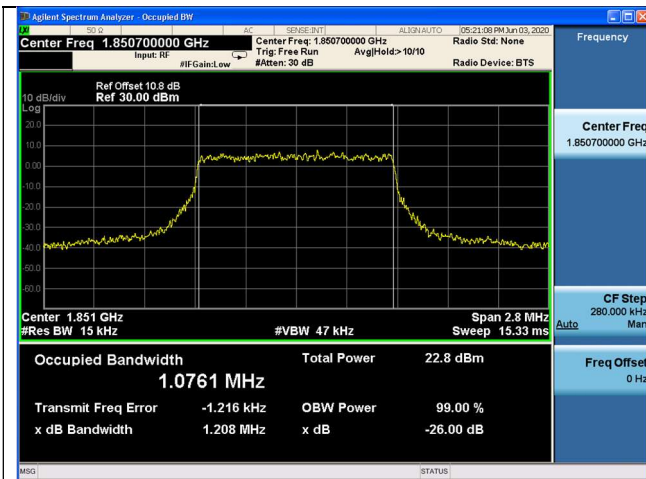


Fig.1

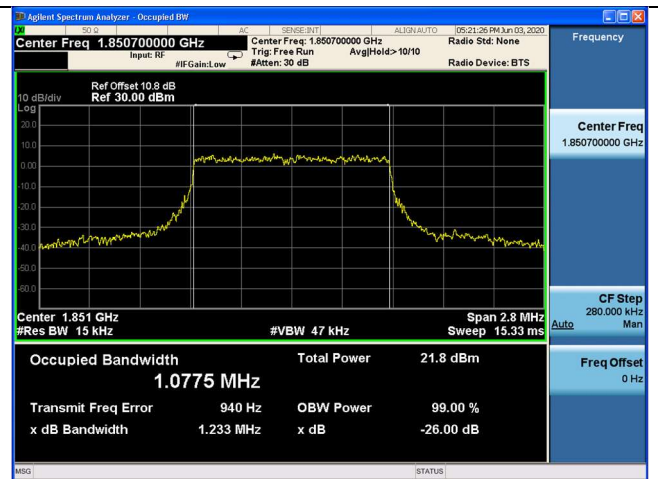


Fig.2

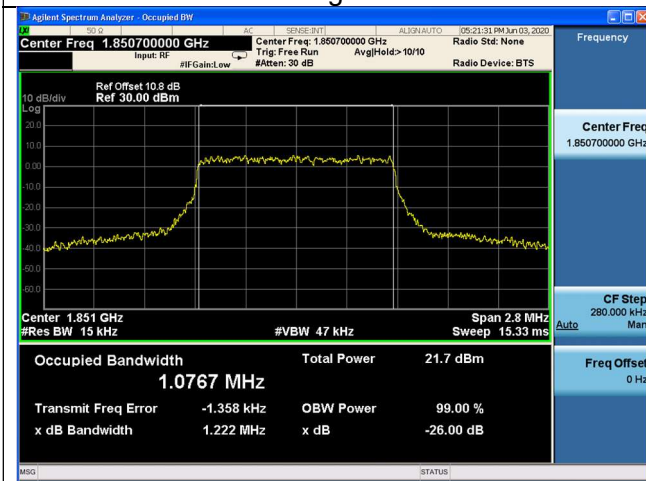


Fig.3



Fig.4

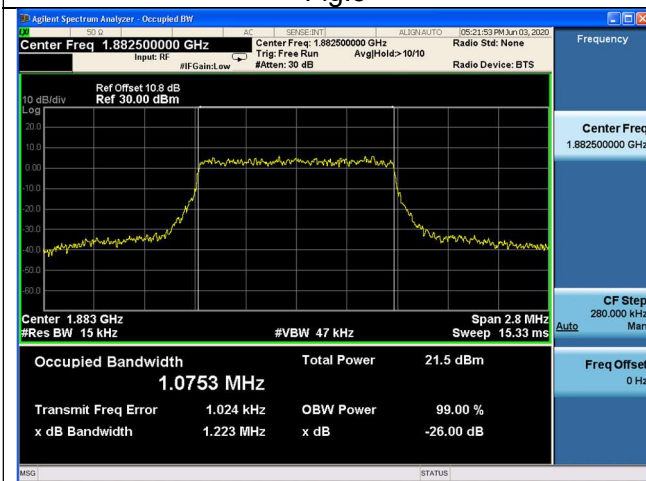


Fig.5

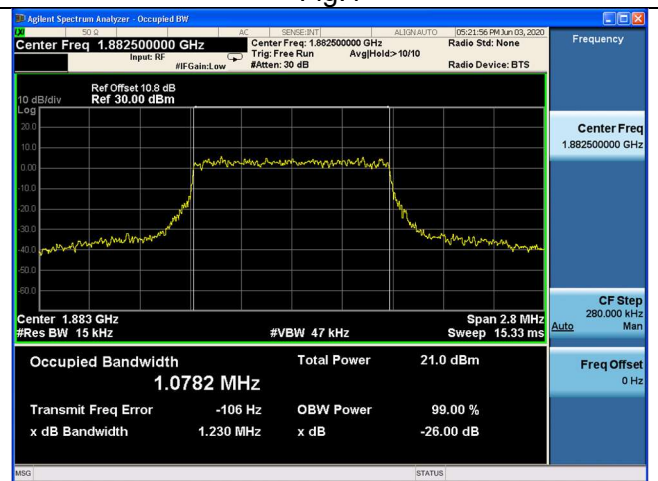


Fig.6



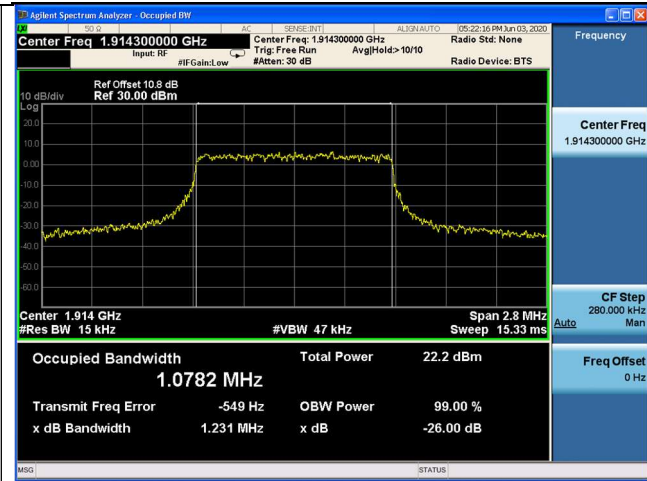


Fig.7

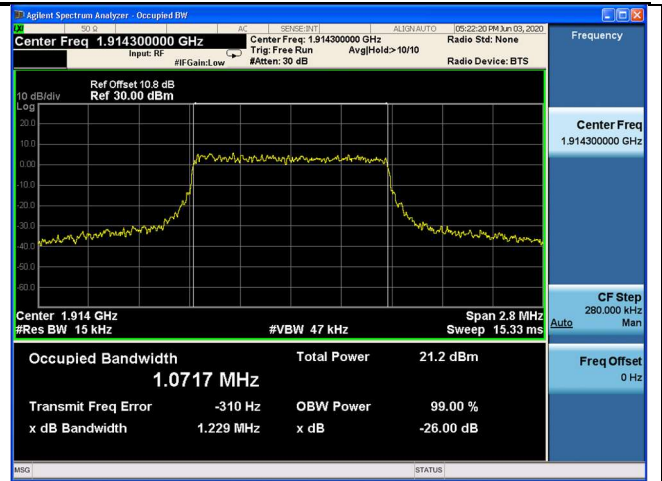


Fig.8

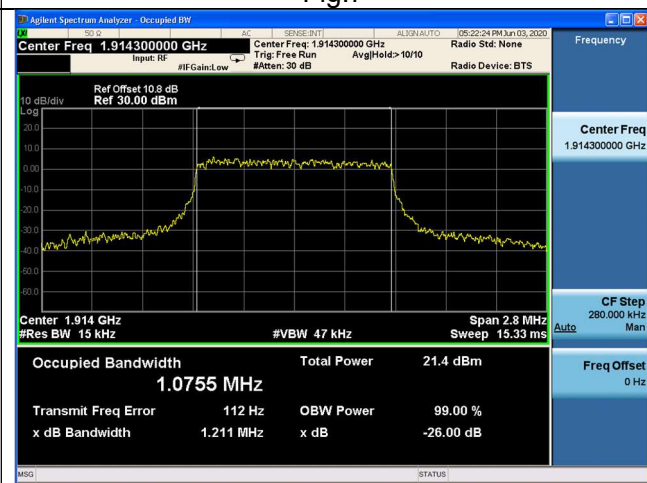


Fig.9

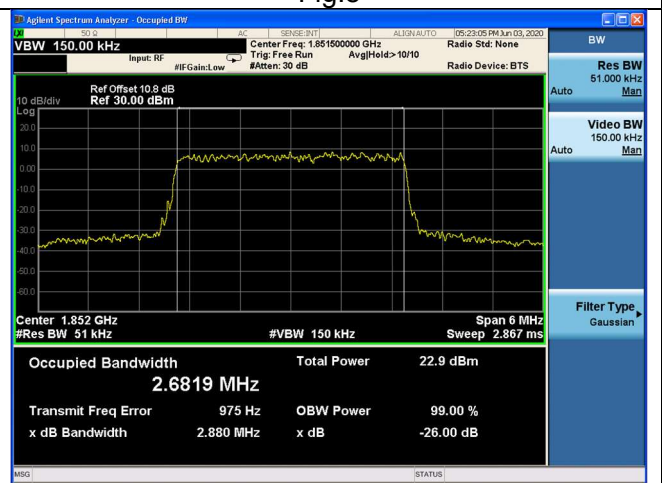


Fig.10

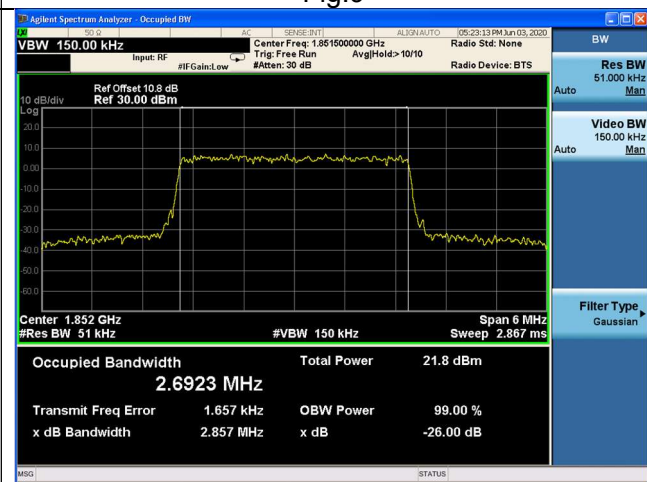


Fig.11

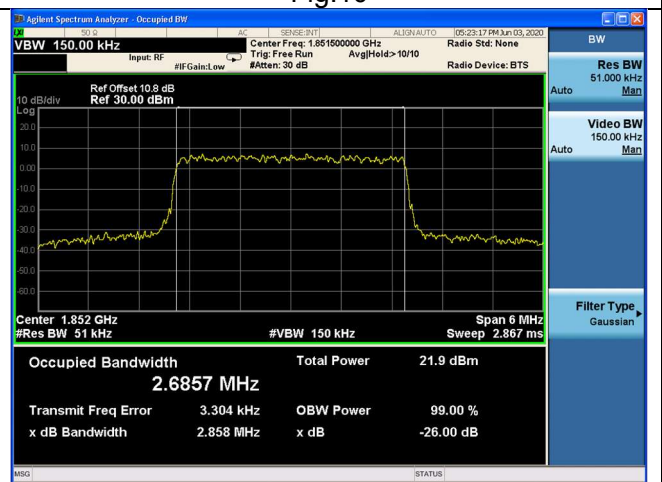


Fig.12

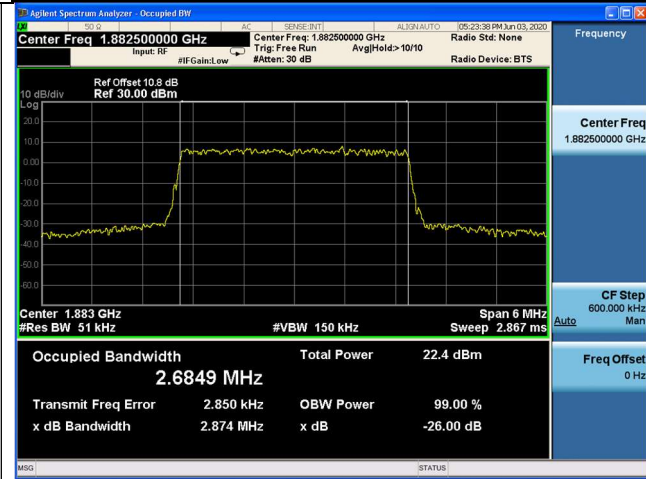


Fig.13

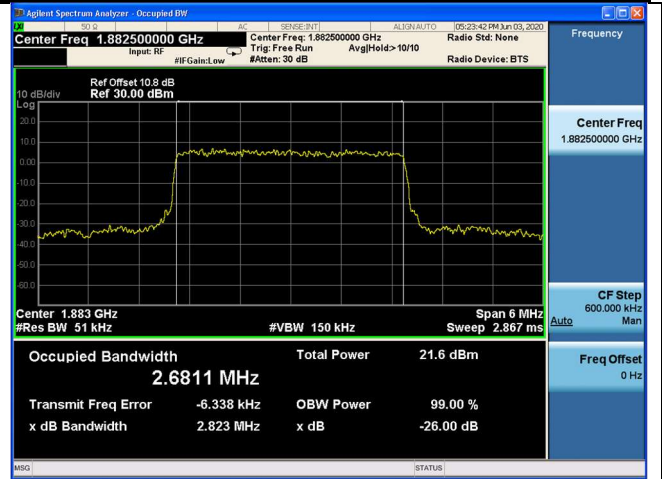


Fig.14

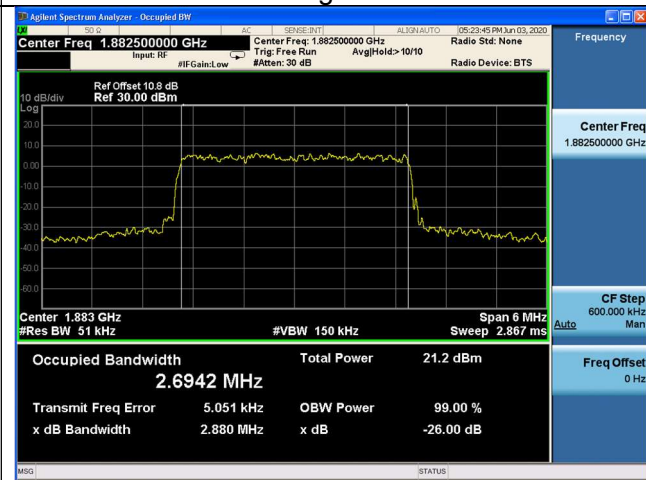


Fig.15

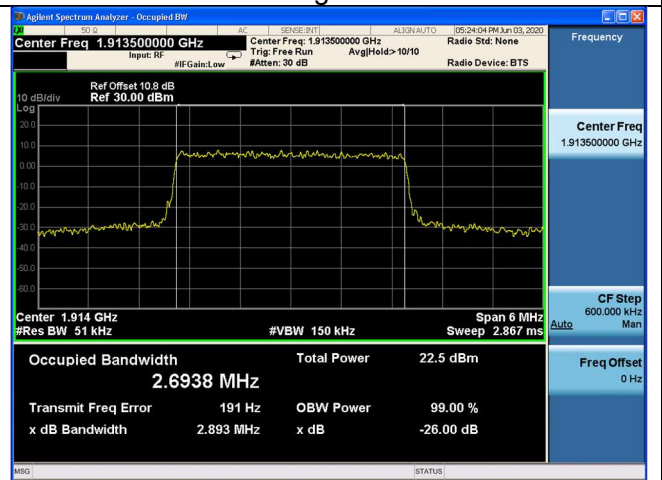


Fig.16

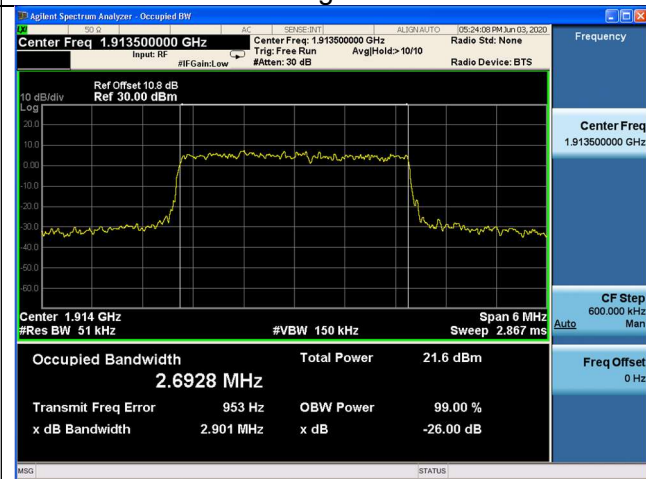


Fig.17



Fig.18

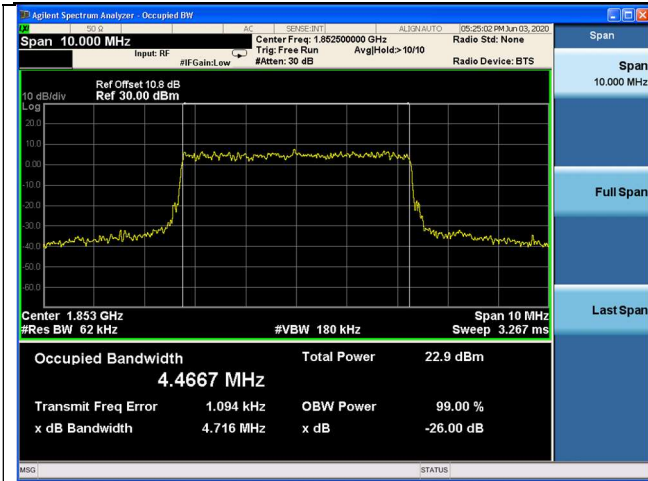


Fig.19

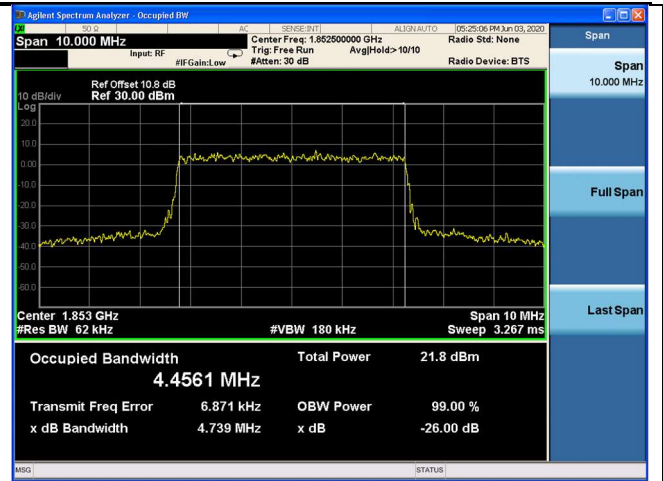


Fig.20

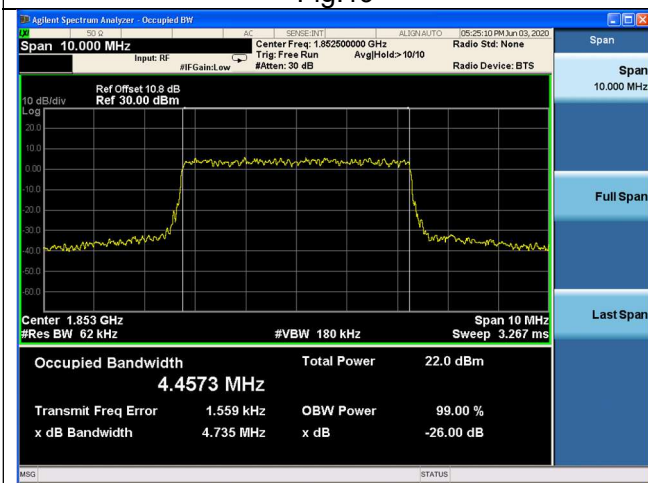


Fig.21



Fig.22

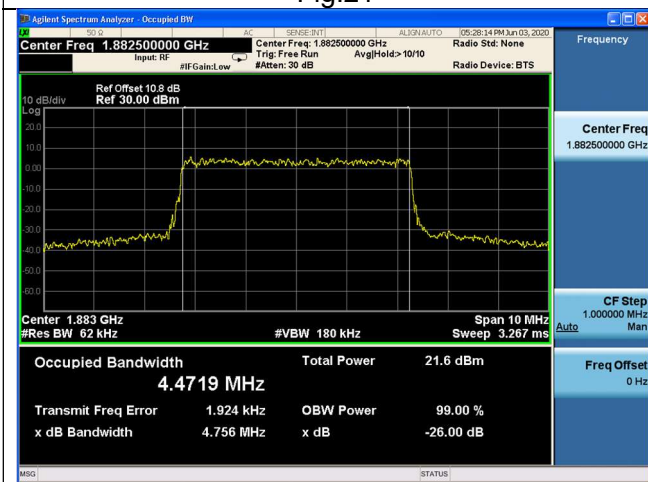


Fig.23



Fig.24

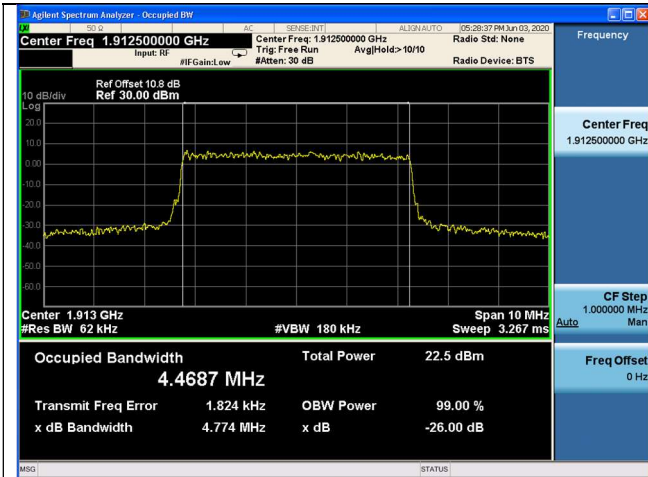


Fig.25



Fig.26

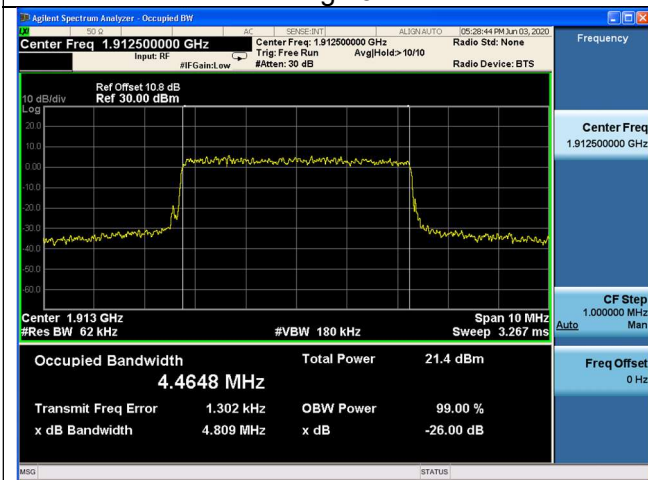


Fig.27

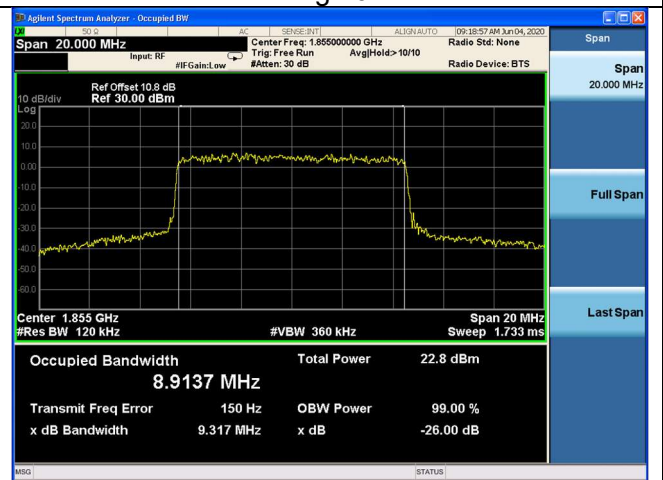


Fig.28

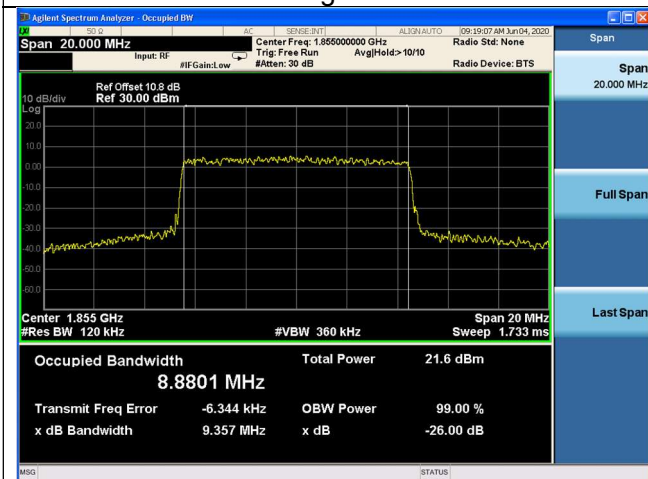


Fig.29

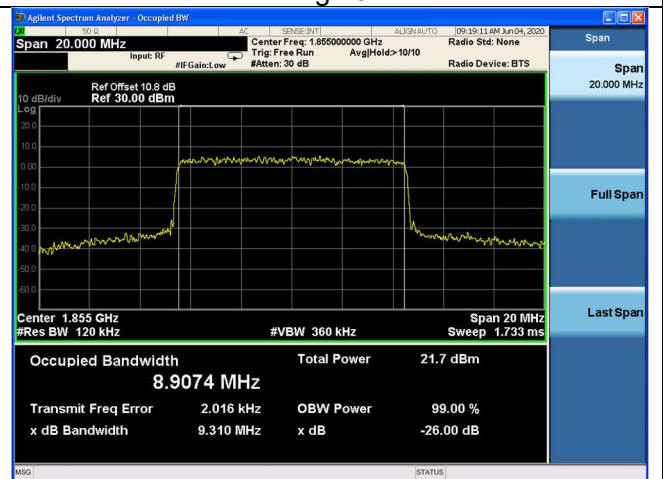


Fig.30

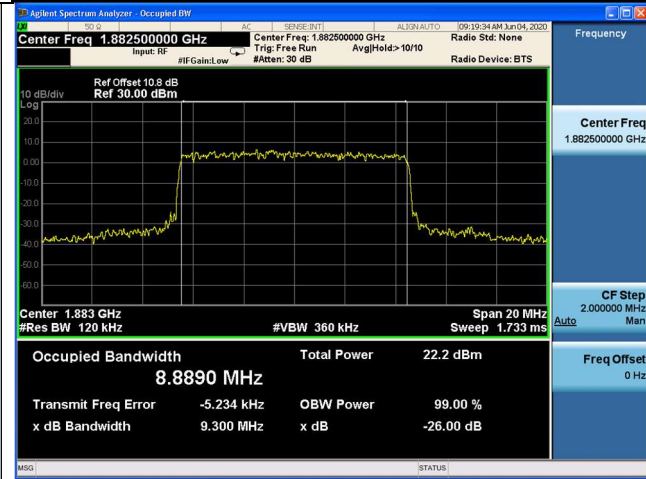


Fig.31

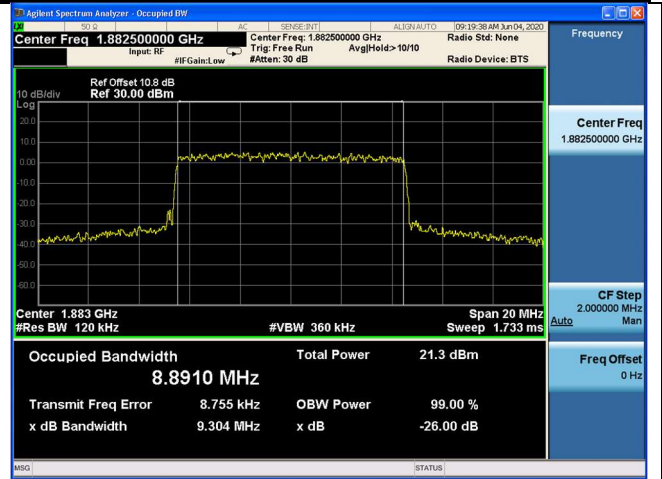


Fig.32

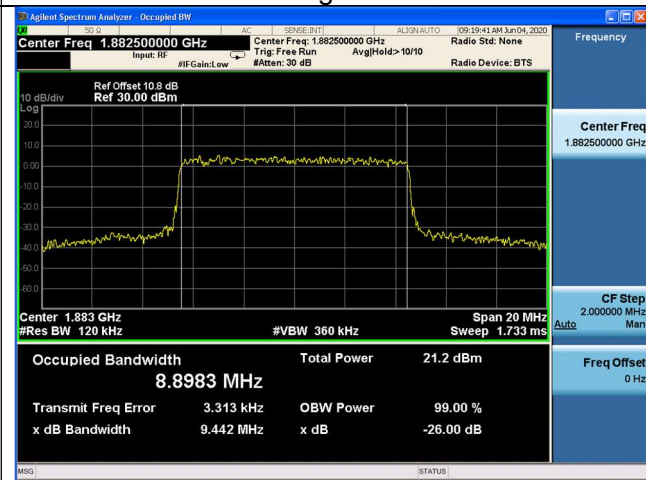


Fig.33



Fig.34

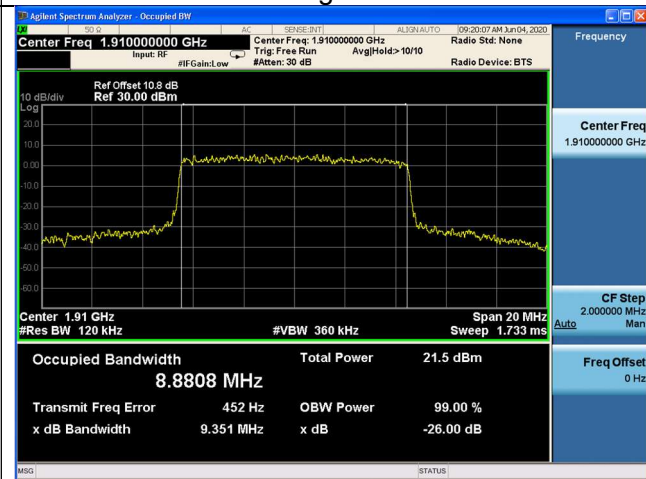


Fig.35

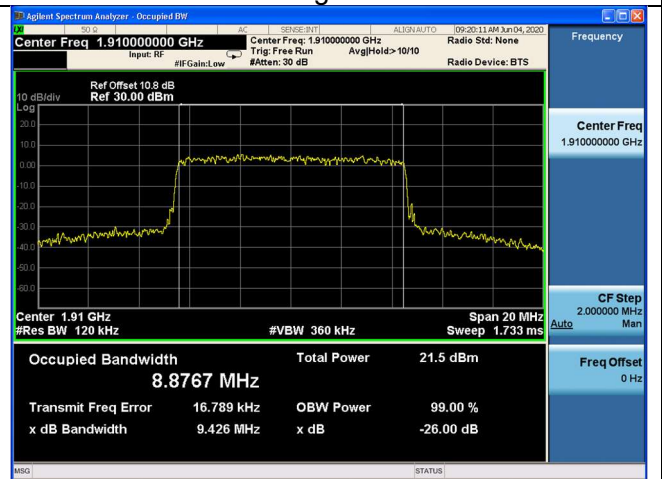


Fig.36

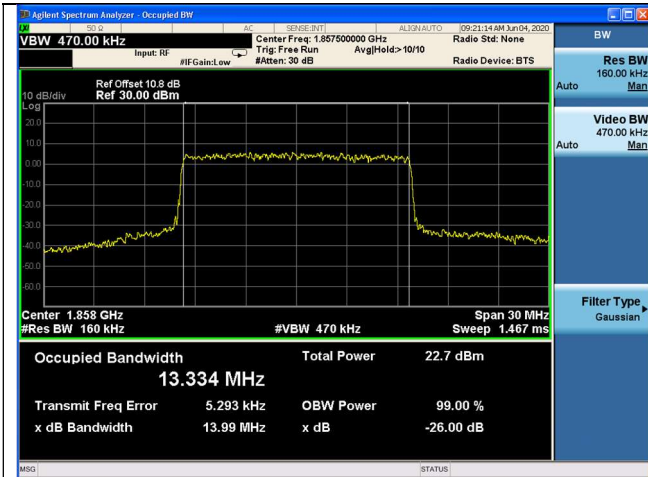


Fig.37

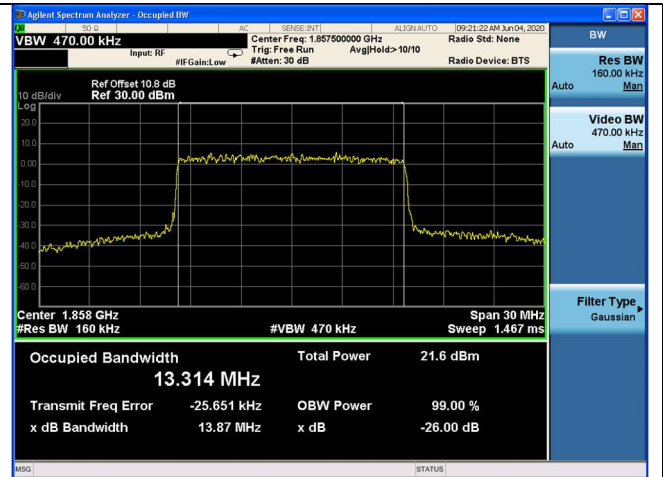


Fig.38

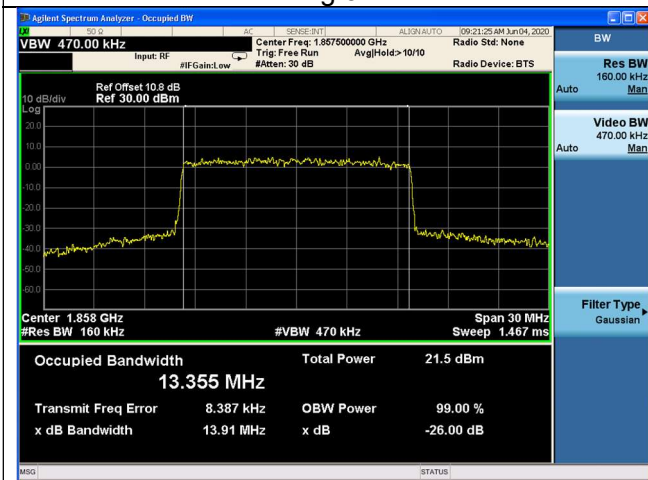


Fig.39



Fig.40

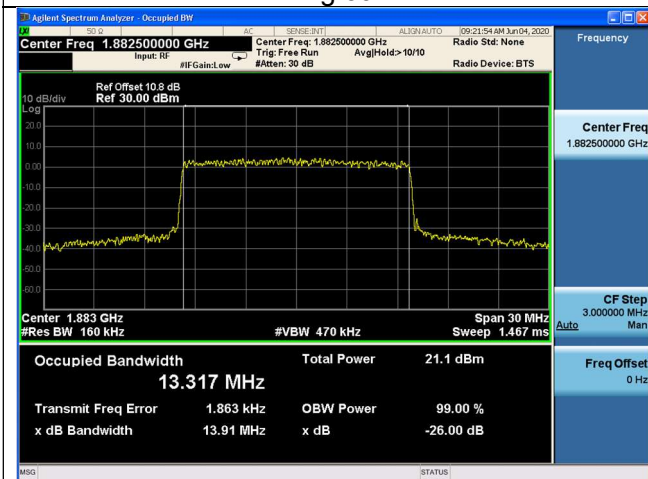


Fig.41

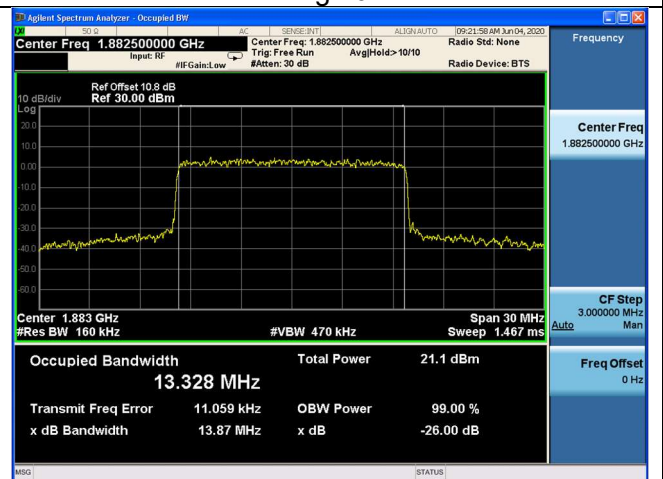


Fig.42