

## 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	22.46
				1	5	23.10
				3	2	21.58
				6	0	21.67
	1882.5	26365		1	0	22.07
				1	5	22.14
				3	2	21.58
				6	0	21.56
	1914.3	26683		1	0	22.28
				1	5	22.20
				3	2	21.89
				6	0	21.62
16QAM	1850.7	26047	1.4	1	0	21.07
				1	5	21.12
				3	2	20.86
				6	0	20.68
	1882.5	26365		1	0	21.36
				1	5	21.20
				3	2	20.63
				6	0	20.58
	1914.3	26683		1	0	21.61
				1	5	21.52
				3	2	20.69
				6	0	20.73
64QAM	1850.7	26047	1.4	1	0	21.11
				1	5	21.18
				3	2	20.71
				6	0	20.51
	1882.5	26365		1	0	21.65
				1	5	21.46
				3	2	20.60
				6	0	20.66
	1914.3	26683		1	0	21.64
				1	5	21.50
				3	2	20.89
				6	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	26055	3	1	0	22.44
				1	14	23.15
				8	4	21.70
				15	0	21.64
	1882.5	26365		1	0	22.04
				1	14	22.07
				8	4	21.60
				15	0	21.57
	1913.5	26675		1	0	22.28
				1	14	22.12
				8	4	21.77
				15	0	21.73
16QAM	1851.5	26055	3	1	0	21.07
				1	14	21.17
				8	4	20.89
				15	0	20.69
	1882.5	26365		1	0	21.27
				1	14	21.17
				8	4	20.68
				15	0	20.54
	1913.5	26675		1	0	21.60
				1	14	21.64
				8	4	20.80
				15	0	20.70
64QAM	1851.5	26055	3	1	0	21.19
				1	14	21.15
				8	4	20.63
				15	0	20.65
	1882.5	26365		1	0	21.56
				1	14	21.45
				8	4	20.66
				15	0	20.67
	1913.5	26675		1	0	21.66
				1	14	21.61
				8	4	20.86
				15	0	20.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	26065	5	1	0	22.47
				1	24	23.14
				12	6	21.61
				25	0	21.65
	1882.5	26365		1	0	22.12
				1	24	22.11
				12	6	21.60
				25	0	21.59
	1912.5	26665		1	0	22.22
				1	24	22.22
				12	6	21.92
				25	0	21.66
16QAM	1852.5	26065	5	1	0	21.05
				1	24	21.08
				12	6	20.96
				25	0	20.60
	1882.5	26365		1	0	21.36
				1	24	21.28
				12	6	20.66
				25	0	20.68
	1912.5	26665		1	0	21.68
				1	24	21.57
				12	6	20.73
				25	0	20.75
64QAM	1852.5	26065	5	1	0	21.24
				1	24	21.07
				12	6	20.57
				25	0	20.56
	1882.5	26365		1	0	21.57
				1	24	21.48
				12	6	20.56
				25	0	20.53
	1912.5	26665		1	0	21.58
				1	24	21.58
				12	6	20.86
				25	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	26090	10	1	0	22.34
				1	49	23.16
				24	12	21.56
				50	0	21.63
	1882.5	26365		1	0	22.05
				1	49	22.14
				24	12	21.70
				50	0	21.69
	1910	26640		1	0	22.17
				1	49	22.09
				24	12	21.92
				50	0	21.63
16QAM	1855	26090	10	1	0	21.11
				1	49	21.02
				24	12	20.91
				50	0	20.62
	1882.5	26365		1	0	21.36
				1	49	21.33
				24	12	20.70
				50	0	20.53
	1910	26640		1	0	21.74
				1	49	21.68
				24	12	20.70
				50	0	20.65
64QAM	1855	26090	10	1	0	21.26
				1	49	21.02
				24	12	20.59
				50	0	20.57
	1882.5	26365		1	0	21.52
				1	49	21.55
				24	12	20.56
				50	0	20.56
	1910	26640		1	0	21.64
				1	49	21.61
				24	12	20.76
				50	0	20.67

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	26115	15	1	0	22.40
				1	74	23.09
				40	18	21.69
				75	0	21.55
	1882.5	26365		1	0	22.20
				1	74	22.11
				40	18	21.69
				75	0	21.69
	1907.5	26615		1	0	22.19
				1	74	22.16
				40	18	21.78
				75	0	21.78
16QAM	1857.5	26115	15	1	0	21.05
				1	74	21.03
				40	18	20.83
				75	0	20.59
	1882.5	26365		1	0	21.40
				1	74	21.17
				40	18	20.66
				75	0	20.56
	1907.5	26615		1	0	21.59
				1	74	21.52
				40	18	20.77
				75	0	20.66
64QAM	1857.5	26115	15	1	0	21.23
				1	74	21.06
				40	18	20.62
				75	0	20.67
	1882.5	26365		1	0	21.64
				1	74	21.63
				40	18	20.52
				75	0	20.62
	1907.5	26615		1	0	21.63
				1	74	21.62
				40	18	20.84
				75	0	20.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	26140	20	1	0	<b>22.58</b>
				1	99	<b>23.32</b>
				50	25	21.85
				100	0	21.78
	1882.5	26365		1	0	<b>22.33</b>
				1	99	<b>22.28</b>
				50	25	21.84
				100	0	21.80
	1905	26590		1	0	<b>22.41</b>
				1	99	<b>22.38</b>
				50	25	22.06
				100	0	21.91
16QAM	1860	26140	20	1	0	21.32
				1	99	21.29
				50	25	21.08
				100	0	20.86
	1882.5	26365		1	0	21.53
				1	99	21.45
				50	25	20.84
				100	0	20.80
	1905	26590		1	0	21.85
				1	99	21.79
				50	25	20.96
				100	0	20.91
64QAM	1860	26140	20	1	0	21.37
				1	99	21.29
				50	25	20.85
				100	0	20.78
	1882.5	26365		1	0	21.79
				1	99	21.74
				50	25	20.78
				100	0	20.79
	1905	26590		1	0	21.82
				1	99	21.77
				50	25	21.02
				100	0	20.90

**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	1.0796	Fig.1	1.0808	Fig.2	1.0788	Fig.3
	1882.5	26365		6	0	1.0790	Fig.4	1.0768	Fig.5	1.0727	Fig.6
	1914.3	26683		6	0	1.0818	Fig.7	1.0768	Fig.8	1.0803	Fig.9
	1851.5	26055	3	15	0	2.6819	Fig.10	2.6881	Fig.11	2.6921	Fig.12
	1882.5	26365		15	0	2.6810	Fig.13	2.6902	Fig.14	2.6914	Fig.15
	1913.5	26675		15	0	2.6831	Fig.16	2.6788	Fig.17	2.6857	Fig.18
	1852.5	26065	5	25	0	4.4759	Fig.19	4.4762	Fig.20	4.4768	Fig.21
	1882.5	26365		25	0	4.4733	Fig.22	4.4699	Fig.23	4.4760	Fig.24
	1912.5	26665		25	0	4.4841	Fig.25	4.4646	Fig.26	4.4852	Fig.27
	1855	26090	10	50	0	8.9529	Fig.28	8.9338	Fig.29	8.9582	Fig.30
	1882.5	26365		50	0	8.9489	Fig.31	8.9317	Fig.32	8.9555	Fig.33
	1910	26640		50	0	8.9497	Fig.34	8.9452	Fig.35	8.9672	Fig.36
	1857.5	26115	15	75	0	13.410	Fig.37	13.373	Fig.38	13.391	Fig.39
	1882.5	26365		75	0	13.421	Fig.40	13.423	Fig.41	13.422	Fig.42
	1907.5	26615		75	0	13.430	Fig.43	13.405	Fig.44	13.435	Fig.45
	1860	26140	20	100	0	17.865	Fig.46	17.841	Fig.47	17.843	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	1.241	Fig.1	1.257	Fig.2	1.267	Fig.3
	1882.5	26365		6	0	1.235	Fig.4	1.238	Fig.5	1.224	Fig.6
	1914.3	26683		6	0	1.267	Fig.7	1.283	Fig.8	1.245	Fig.9
	1851.5	26055	3	15	0	2.887	Fig.10	2.877	Fig.11	2.862	Fig.12
	1882.5	26365		15	0	2.891	Fig.13	2.903	Fig.14	2.877	Fig.15
	1913.5	26675		15	0	2.891	Fig.16	2.890	Fig.17	2.885	Fig.18
	1852.5	26065	5	25	0	4.993	Fig.19	5.027	Fig.20	4.970	Fig.21
	1882.5	26365		25	0	5.022	Fig.22	4.934	Fig.23	4.945	Fig.24
	1912.5	26665		25	0	5.037	Fig.25	4.962	Fig.26	4.996	Fig.27
	1855	26090	10	50	0	9.896	Fig.28	9.900	Fig.29	9.845	Fig.30
	1882.5	26365		50	0	9.875	Fig.31	9.901	Fig.32	9.930	Fig.33
	1910	26640		50	0	9.907	Fig.34	9.727	Fig.35	9.745	Fig.36
	1857.5	26115	15	75	0	14.45	Fig.37	14.41	Fig.38	14.49	Fig.39
	1882.5	26365		75	0	14.77	Fig.40	14.77	Fig.41	14.52	Fig.42
	1907.5	26615		75	0	15.25	Fig.43	14.89	Fig.44	14.72	Fig.45
	1860	26140	20	100	0	19.30	Fig.46	19.00	Fig.47	19.14	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

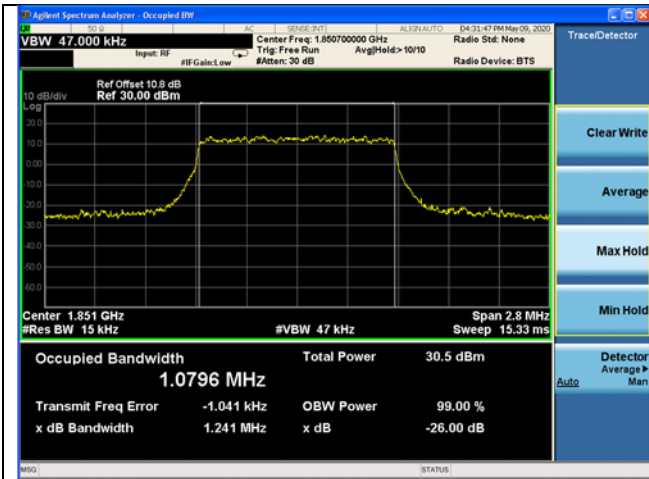


Fig.1

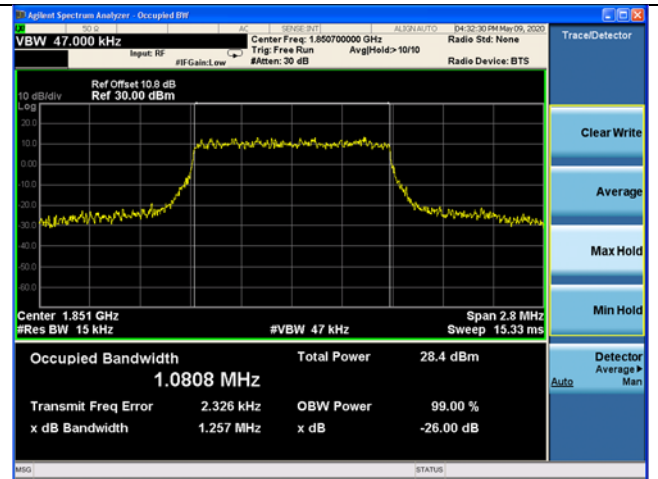


Fig.2

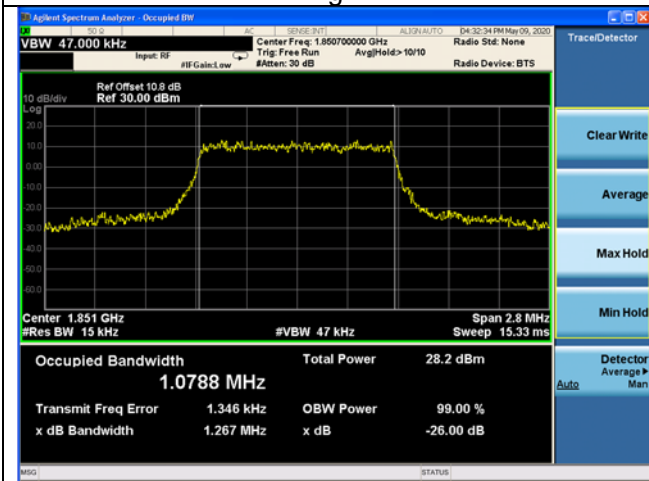


Fig.3

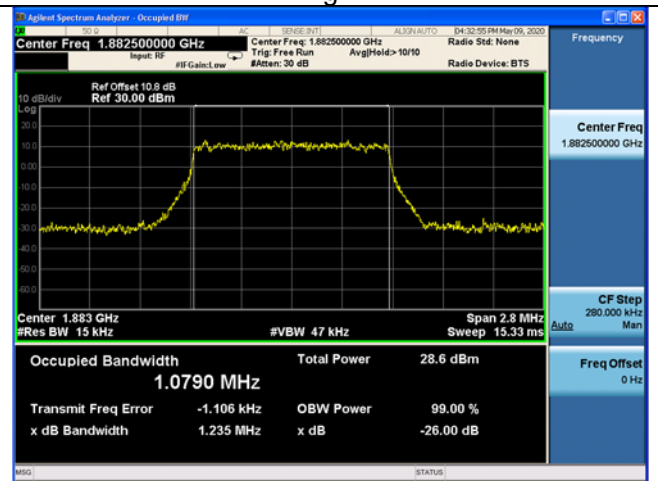


Fig.4

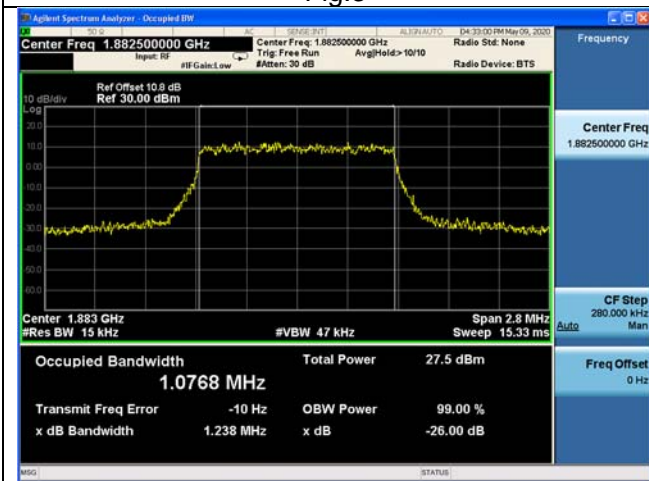


Fig.5

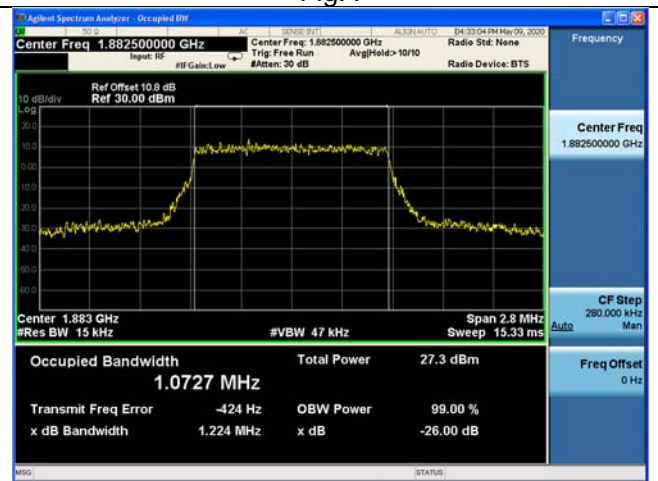


Fig.6



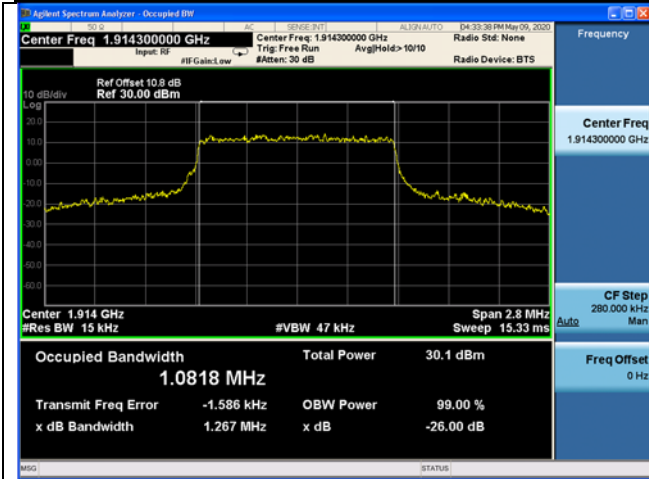


Fig.7

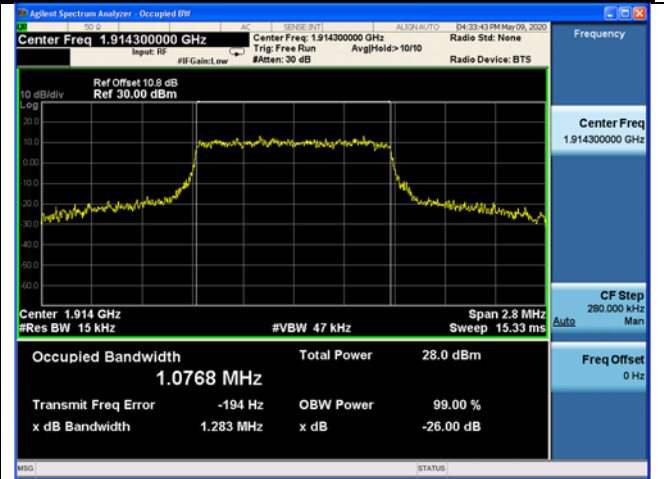


Fig.8

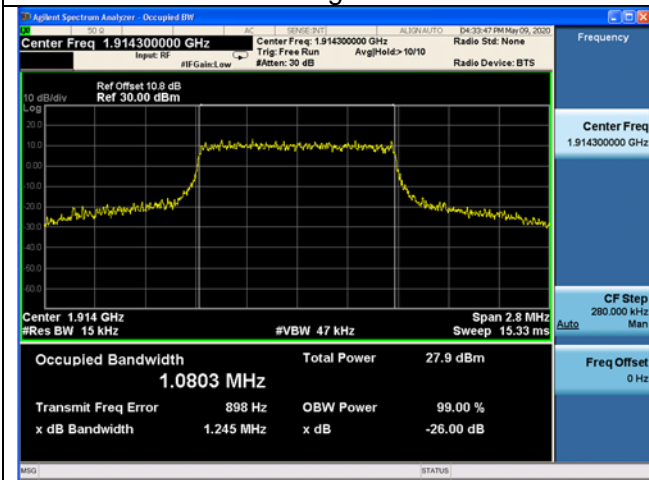


Fig.9

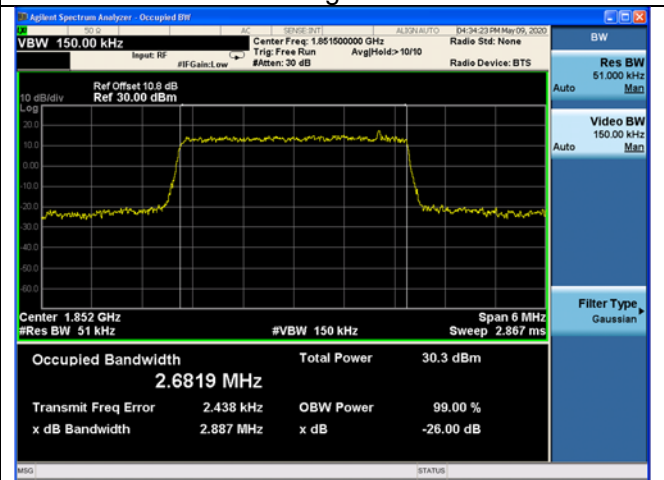


Fig.10

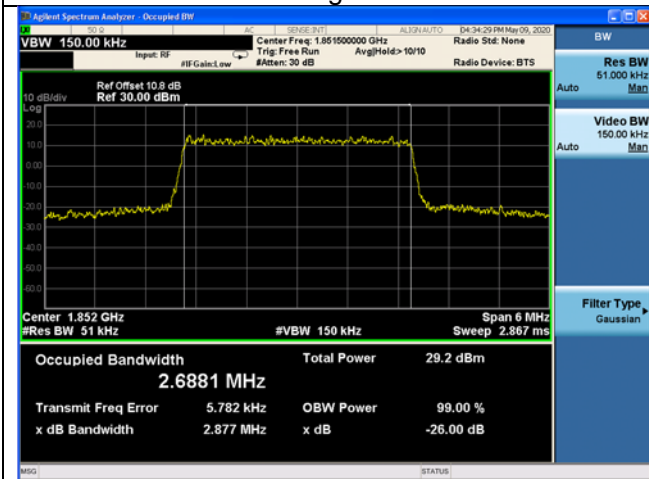


Fig.11

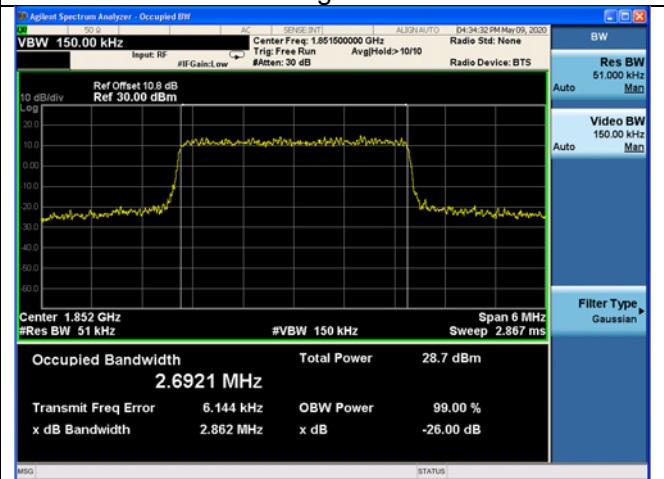


Fig.12

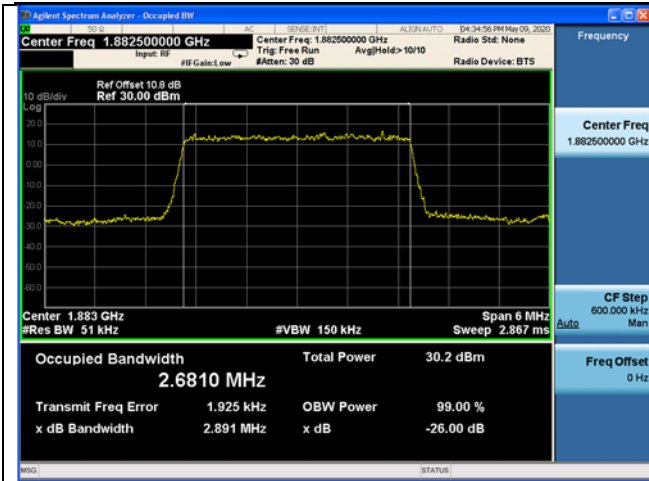


Fig.13

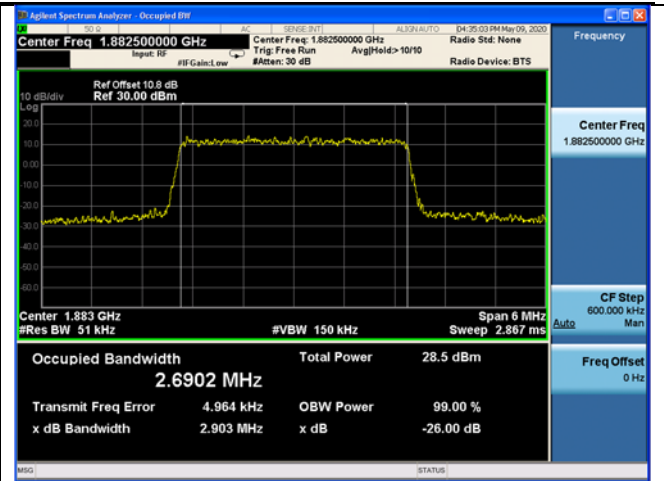


Fig.14

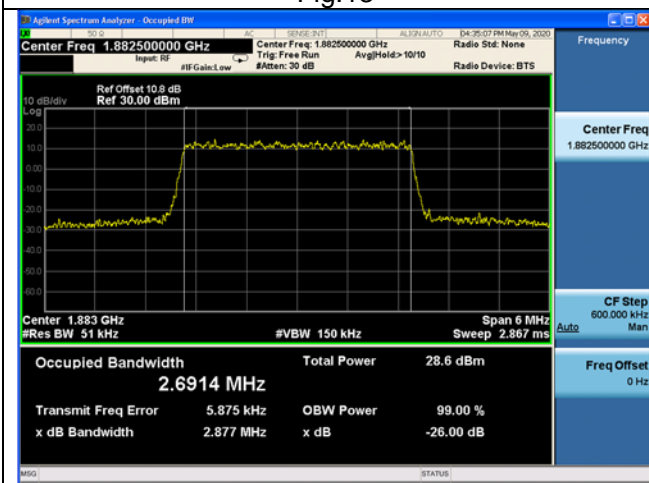


Fig.15

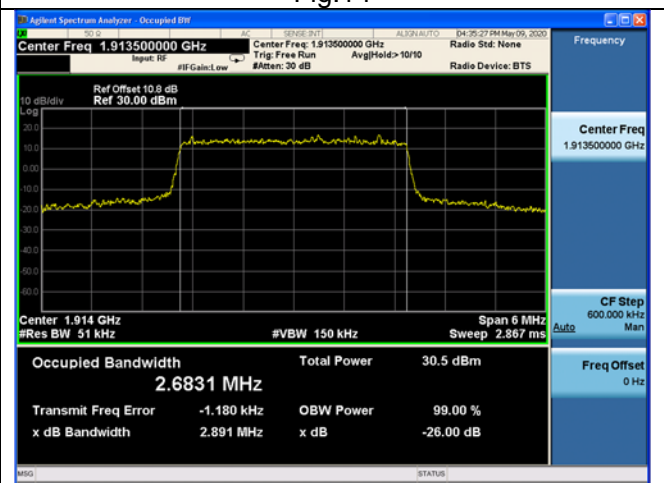


Fig.16

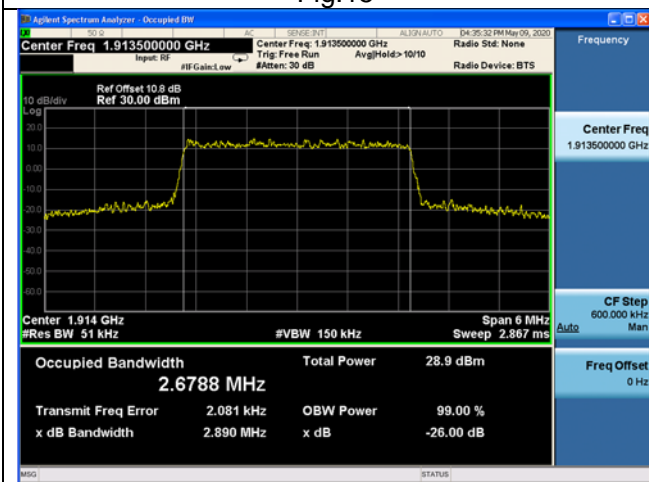


Fig.17

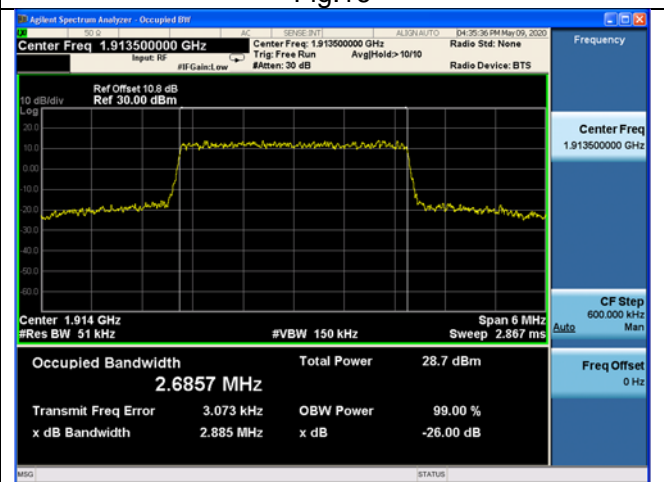


Fig.18

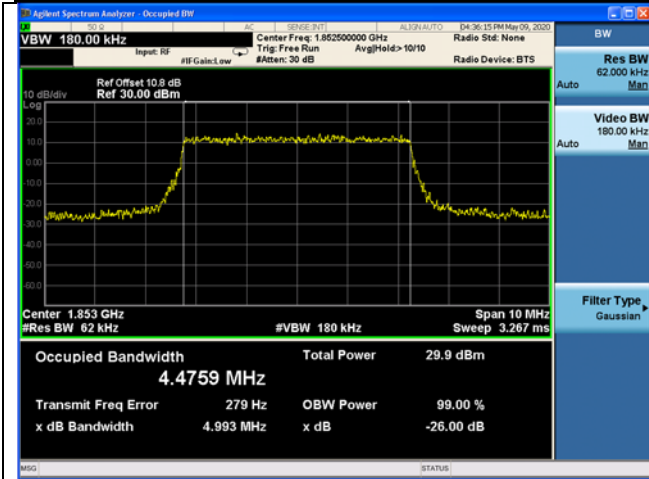


Fig.19



Fig.20

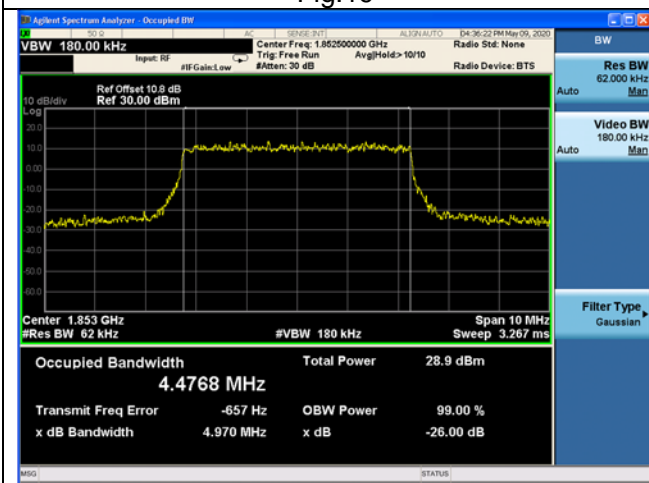


Fig.21

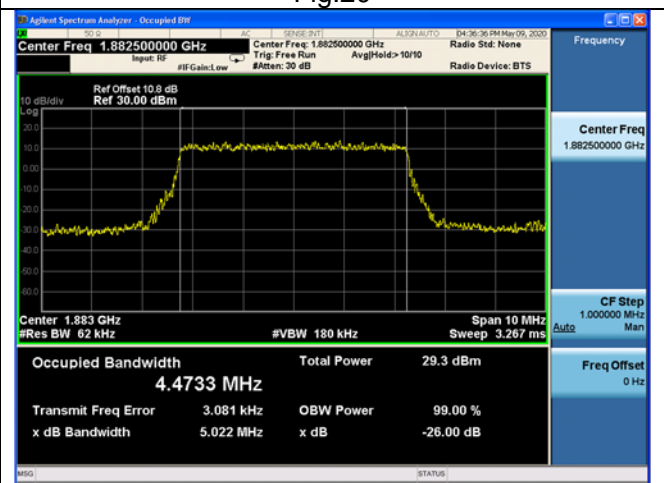


Fig.22

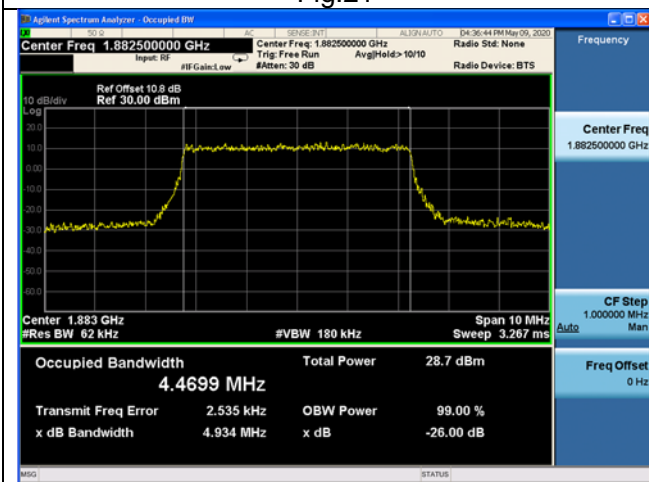


Fig.23

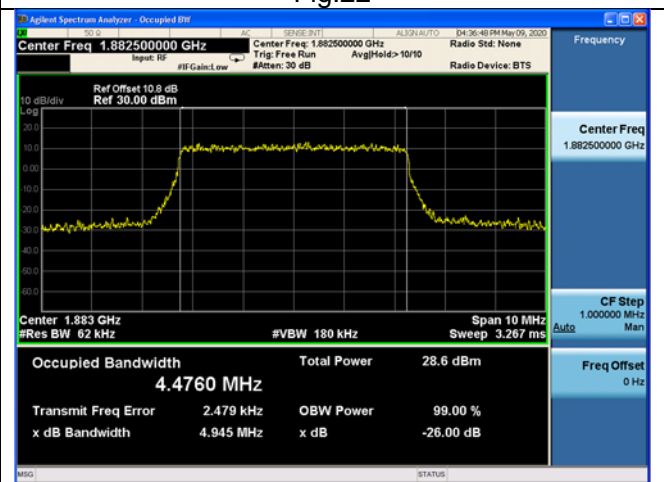


Fig.24

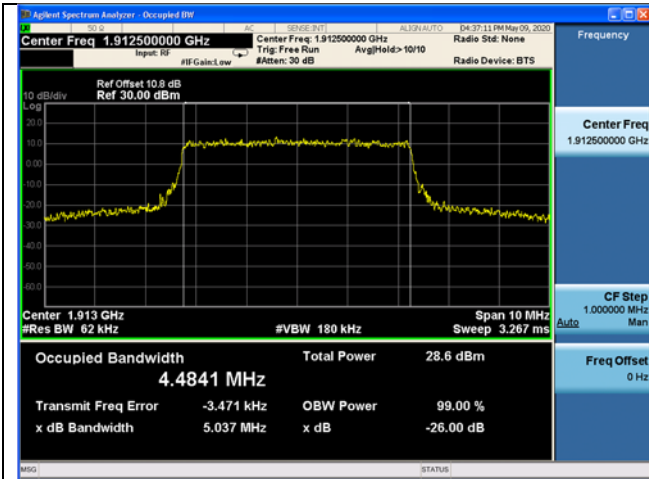


Fig.25

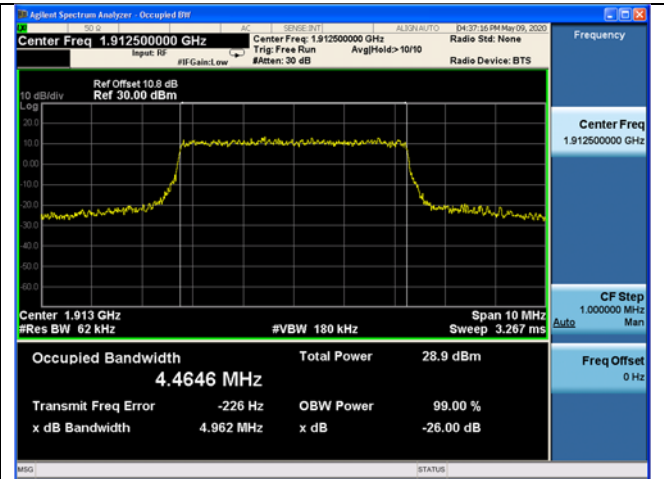


Fig.26

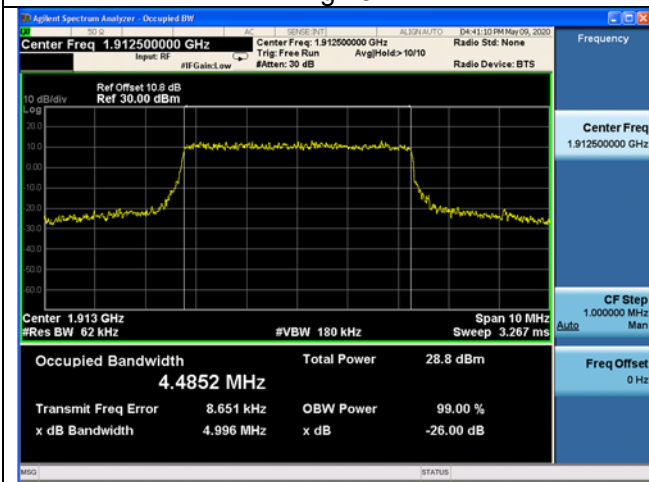


Fig.27

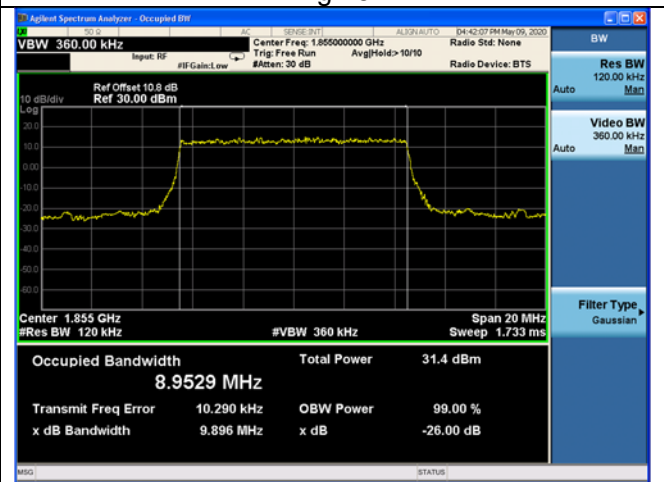


Fig.28

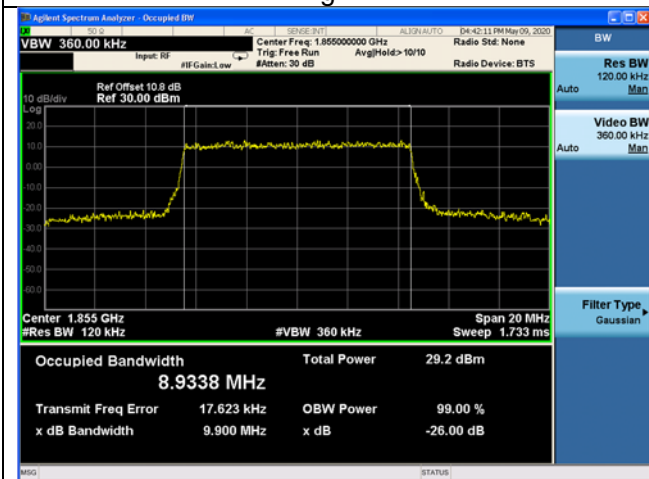


Fig.29

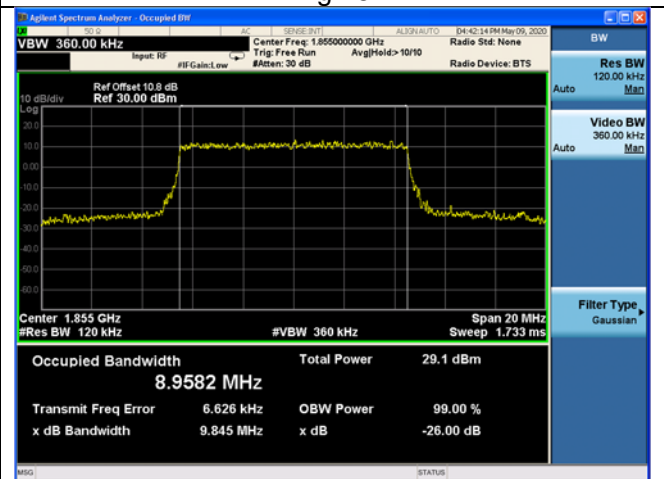


Fig.30



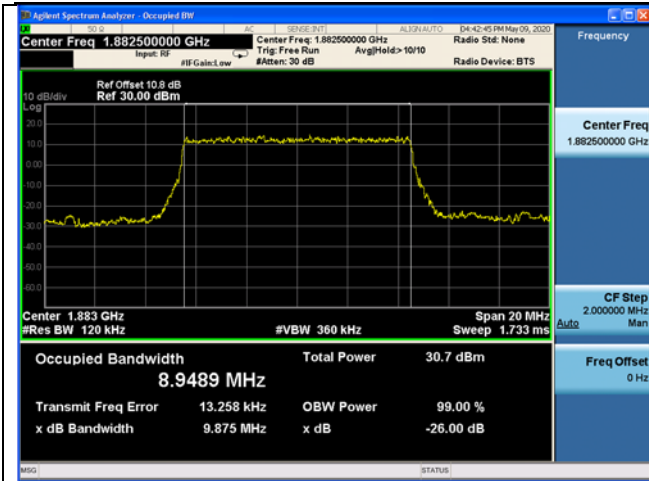


Fig.31

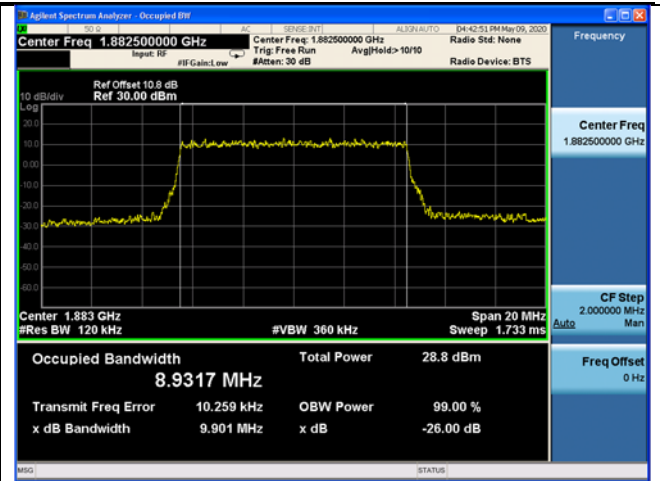


Fig.32

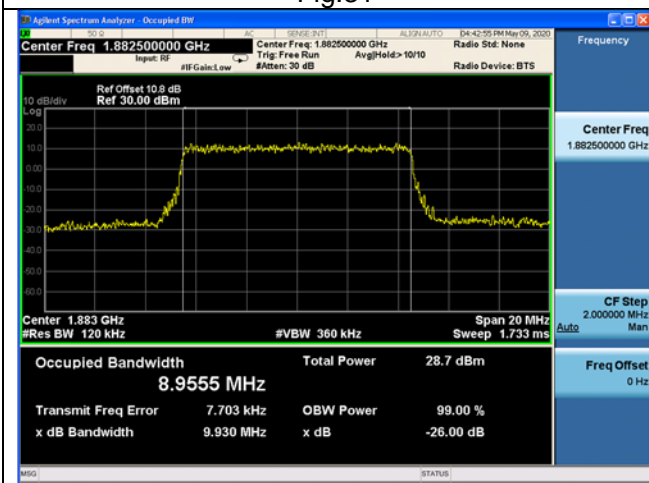


Fig.33

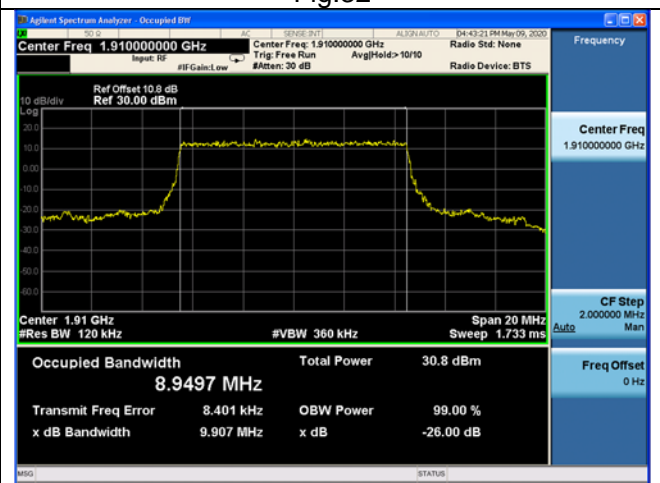


Fig.34

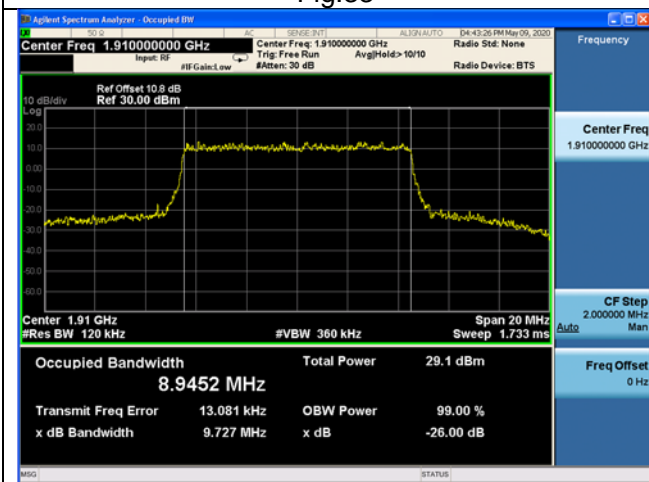


Fig.35

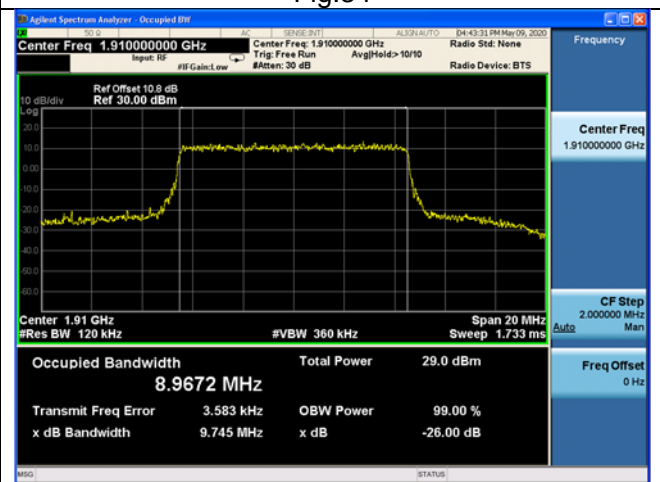


Fig.36