

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### LTE Band 2

#### 1 RF Power Output

		Conducted Power (dBm)				
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM	
1.4MHz	1RB-High (5)	1909.3 (19193)	22.97	22.30	22.24	
		1880 (18900)	23.21	22.49	22.49	
		1850.7 (18607)	23.24	22.55	22.51	
	1RB-Middle (3)	1909.3 (19193)	23.00	22.36	22.31	
		1880 (18900)	23.30	22.61	22.55	
		1850.7 (18607)	23.30	22.63	22.51	
	1RB-Low (0)	1909.3 (19193)	22.95	22.32	22.21	
		1880 (18900)	23.17	22.46	22.45	
		1850.7 (18607)	23.25	22.56	22.47	
	3RB-High (3)	1909.3 (19193)	22.99	22.06	22.10	
		1880 (18900)	23.28	22.39	22.39	
		1850.7 (18607)	23.27	22.38	22.35	
	3RB-Middle (1)	1909.3 (19193)	23.03	22.08	22.12	
		1880 (18900)	23.23	22.36	22.37	
		1850.7 (18607)	23.31	22.40	22.39	
	3RB-Low (0)	1909.3 (19193)	23.02	22.05	22.12	
		1880 (18900)	23.18	22.32	22.33	
		1850.7 (18607)	23.26	22.33	22.38	
	6RB (0)	1909.3 (19193)	22.07	21.19	21.07	
		1880 (18900)	22.26	21.38	21.27	
		1850.7 (18607)	22.36	21.42	21.35	
	3MHz	1RB-High (14)	1908.5 (19185)	23.11	22.38	22.44
			1880 (18900)	23.33	22.66	22.60
			1851.5 (18615)	23.33	22.55	22.49
		1RB-Middle (7)	1908.5 (19185)	23.11	22.39	22.42
			1880 (18900)	23.27	22.58	22.48
			1851.5 (18615)	23.25	22.57	22.48
1RB-Low (0)		1908.5 (19185)	23.07	22.39	22.38	
		1880 (18900)	23.23	22.56	22.49	
		1851.5 (18615)	23.34	22.64	22.58	
8RB-High (7)		1908.5 (19185)	22.16	21.25	21.21	
		1880 (18900)	22.41	21.48	21.43	
		1851.5 (18615)	22.41	21.47	21.36	
8RB-Middle (4)		1908.5 (19185)	22.18	21.27	21.22	
		1880 (18900)	22.36	21.42	21.42	
		1851.5 (18615)	22.40	21.49	21.42	
8RB-Low (0)		1908.5 (19185)	22.17	21.20	21.18	
		1880 (18900)	22.31	21.37	21.40	
		1851.5 (18615)	22.39	21.49	21.45	
15RB (0)		1908.5 (19185)	22.18	21.17	21.21	
		1880 (18900)	22.37	21.38	21.39	
		1851.5 (18615)	22.37	21.41	21.38	
5MHz		1RB-High (24)	1907.5 (19175)	23.15	22.41	22.43
			1880 (18900)	23.32	22.60	22.69
			1852.5 (18625)	23.29	22.58	22.53
		1RB-Middle (12)	1907.5 (19175)	23.12	22.45	22.41
			1880 (18900)	23.29	22.61	22.58
			1852.5 (18625)	23.29	22.61	22.53
	1RB-Low (0)	1907.5 (19175)	23.11	22.42	22.42	
		1880 (18900)	23.25	22.50	22.56	
		1852.5 (18625)	23.33	22.65	22.52	
	12RB-High (13)	1907.5 (19175)	22.18	21.23	21.16	

	12RB-Middle (6)	1880 (18900)	22.41	21.47	21.41	
		1852.5 (18625)	22.37	21.39	21.36	
		1907.5 (19175)	22.21	21.27	21.22	
	12RB-Low (0)	1880 (18900)	22.39	21.42	21.42	
		1852.5 (18625)	22.40	21.46	21.43	
		1907.5 (19175)	22.21	21.22	21.16	
	25RB (0)	1880 (18900)	22.32	21.37	21.35	
		1852.5 (18625)	22.40	21.40	21.38	
		1907.5 (19175)	22.16	21.20	21.21	
	10MHz	1RB-High (49)	1905 (19150)	23.11	22.39	22.37
			1880 (18900)	23.25	22.64	22.74
			1855 (18650)	23.18	22.67	22.49
1RB-Middle (24)		1905 (19150)	23.04	22.48	22.55	
		1880 (18900)	23.30	22.67	22.82	
		1855 (18650)	23.25	22.69	22.63	
1RB-Low (0)		1905 (19150)	23.16	22.49	22.47	
		1880 (18900)	23.33	22.68	22.66	
		1855 (18650)	23.30	22.67	22.78	
25RB-High (25)		1905 (19150)	22.24	21.25	21.24	
		1880 (18900)	22.41	21.46	21.43	
		1855 (18650)	22.36	21.34	21.35	
25RB-Middle (12)		1905 (19150)	22.20	21.14	21.20	
		1880 (18900)	22.38	21.40	21.40	
		1855 (18650)	22.42	21.35	21.44	
25RB-Low (0)		1905 (19150)	22.18	21.13	21.14	
		1880 (18900)	22.35	21.37	21.35	
		1855 (18650)	22.40	21.38	21.39	
50RB (0)		1905 (19150)	22.19	21.15	21.18	
		1880 (18900)	22.32	21.36	21.33	
		1855 (18650)	22.37	21.39	21.37	
15MHz		1RB-High (74)	1902.5 (19125)	23.11	22.28	22.16
			1880 (18900)	23.29	22.59	22.45
			1857.5 (18675)	23.32	22.59	22.44
	1RB-Middle (37)	1902.5 (19125)	23.16	22.39	22.40	
		1880 (18900)	23.36	22.68	22.60	
		1857.5 (18675)	23.22	22.57	22.36	
	1RB-Low (0)	1902.5 (19125)	23.26	22.41	22.44	
		1880 (18900)	23.29	22.68	22.67	
		1857.5 (18675)	23.36	22.68	22.56	
	36RB-High (38)	1902.5 (19125)	22.28	21.21	21.24	
		1880 (18900)	22.45	21.46	21.47	
		1857.5 (18675)	22.38	21.40	21.38	
	36RB-Middle (19)	1902.5 (19125)	22.25	21.23	21.21	
		1880 (18900)	22.38	21.37	21.41	
		1857.5 (18675)	22.40	21.43	21.36	
	36RB-Low (0)	1902.5 (19125)	22.20	21.23	21.22	
		1880 (18900)	22.39	21.38	21.35	
		1857.5 (18675)	22.35	21.35	21.32	
75RB (0)	1902.5 (19125)	22.17	21.21	21.20		
	1880 (18900)	22.39	21.38	21.38		
	1857.5 (18675)	22.43	21.41	21.40		
20MHz	1RB-High (99)	1900 (19100)	23.05	22.36	22.33	
		1880 (18900)	23.24	22.50	22.40	
		1860 (18700)	23.21	22.57	22.49	
	1RB-Middle (50)	1900 (19100)	23.21	22.40	22.40	

		1880 (18900)	23.37	22.62	22.64
		1860 (18700)	23.28	22.61	22.54
	1RB-Low (0)	1900 (19100)	23.28	22.60	22.58
		1880 (18900)	23.34	22.57	22.61
		1860 (18700)	23.43	22.77	22.75
	50RB-High (50)	1900 (19100)	22.29	21.28	21.26
		1880 (18900)	22.45	21.46	21.44
		1860 (18700)	22.38	21.41	21.38
	50RB-Middle (25)	1900 (19100)	22.32	21.36	21.33
		1880 (18900)	22.40	21.46	21.42
		1860 (18700)	22.45	21.42	21.44
	50RB-Low (0)	1900 (19100)	22.26	21.25	21.24
		1880 (18900)	22.37	21.44	21.38
		1860 (18700)	22.38	21.35	21.41
	100RB (0)	1900 (19100)	22.29	21.26	21.21
		1880 (18900)	22.41	21.38	21.35
		1860 (18700)	22.45	21.40	21.38

## 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	
2	1850.7	18607	1.4	6	0	1.0801	Fig.1	1.0766	Fig.2	1.0775	Fig.3
	1880.0	18900		6	0	1.0780	Fig.4	1.0778	Fig.5	1.0759	Fig.6
	1909.3	19193		6	0	1.0778	Fig.7	1.0800	Fig.8	1.0758	Fig.9
	1851.5	18615	3	15	0	2.7060	Fig.10	2.7007	Fig.11	2.6972	Fig.12
	1880.0	18900		15	0	2.7016	Fig.13	2.7012	Fig.14	2.6982	Fig.15
	1908.5	19185		15	0	2.7077	Fig.16	2.6943	Fig.17	2.6985	Fig.18
	1852.5	18625	5	25	0	4.4881	Fig.19	4.4781	Fig.20	4.4844	Fig.21
	1880.0	18900		25	0	4.4795	Fig.22	4.4727	Fig.23	4.4861	Fig.24
	1907.5	19175		25	0	4.4820	Fig.25	4.4653	Fig.26	4.4759	Fig.27
	1855	18650	10	50	0	8.9421	Fig.28	8.9426	Fig.29	8.9132	Fig.30
	1880	18900		50	0	8.9325	Fig.31	8.9347	Fig.32	8.9241	Fig.33
	1905	19150		50	0	8.9467	Fig.34	8.9234	Fig.35	8.9111	Fig.36
	1857.5	18675	15	75	0	13.427	Fig.37	13.420	Fig.38	13.395	Fig.39
	1880.0	18900		75	0	13.420	Fig.40	13.396	Fig.41	13.400	Fig.42
	1902.5	19125		75	0	13.420	Fig.43	13.408	Fig.44	13.381	Fig.45
	1860	18700	20	100	0	17.850	Fig.46	17.820	Fig.47	17.848	Fig.48
1880	18900	100		0	17.796	Fig.49	17.857	Fig.50	17.847	Fig.51	
1900	19100	100		0	17.862	Fig.52	17.865	Fig.53	17.817	Fig.54	

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.206	Fig.1	1.204	Fig.2	1.208	Fig.3
	1880.0	18900		6	0	1.203	Fig.4	1.205	Fig.5	1.210	Fig.6
	1909.3	19193		6	0	1.204	Fig.7	1.202	Fig.8	1.206	Fig.9
	1851.5	18615	3	15	0	2.964	Fig.10	2.942	Fig.11	2.978	Fig.12
	1880.0	18900		15	0	2.986	Fig.13	2.950	Fig.14	2.964	Fig.15
	1908.5	19185		15	0	2.966	Fig.16	3.004	Fig.17	3.001	Fig.18
	1852.5	18625	5	25	0	4.903	Fig.19	4.838	Fig.20	4.903	Fig.21
	1880.0	18900		25	0	4.849	Fig.22	4.851	Fig.23	4.851	Fig.24
	1907.5	19175		25	0	4.874	Fig.25	4.886	Fig.26	4.826	Fig.27
	1855	18650	10	50	0	9.568	Fig.28	9.605	Fig.29	9.611	Fig.30
	1880	18900		50	0	9.599	Fig.31	9.512	Fig.32	9.507	Fig.33
	1905	19150		50	0	9.633	Fig.34	9.590	Fig.35	9.627	Fig.36
	1857.5	18675	15	75	0	14.32	Fig.37	14.44	Fig.38	14.24	Fig.39
	1880.0	18900		75	0	14.32	Fig.40	14.39	Fig.41	14.21	Fig.42
	1902.5	19125		75	0	14.38	Fig.43	14.31	Fig.44	14.29	Fig.45
	1860	18700	20	100	0	19.18	Fig.46	19.09	Fig.47	18.90	Fig.48
1880	18900	100		0	19.09	Fig.49	19.18	Fig.50	19.14	Fig.51	
1900	19100	100		0	18.95	Fig.52	19.22	Fig.53	19.02	Fig.54	

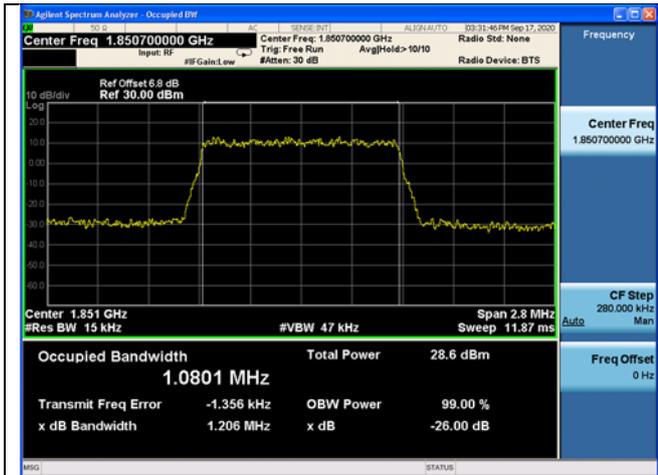


Fig.1

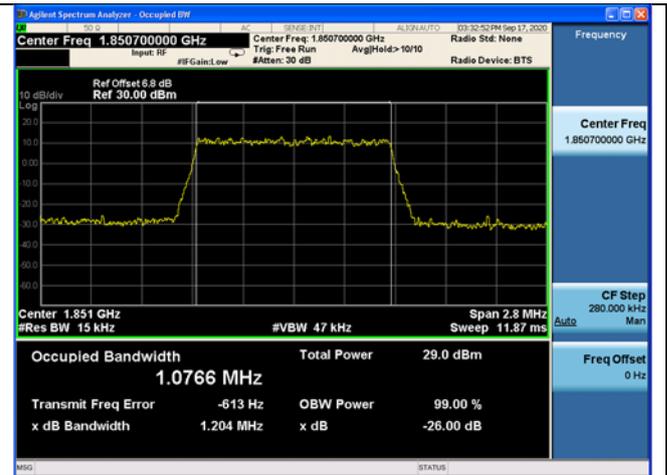


Fig.2

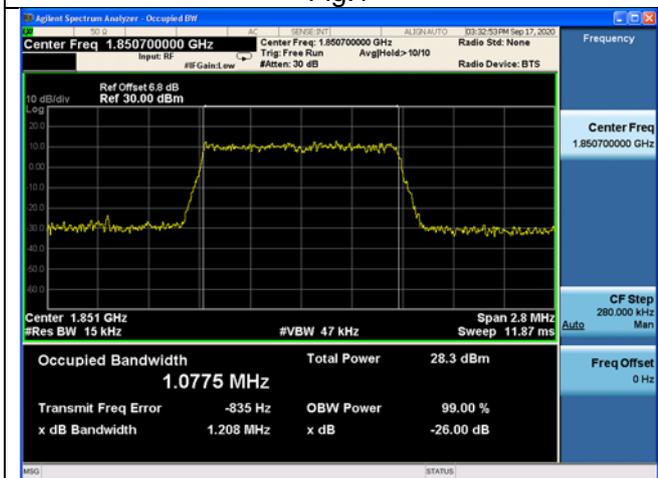


Fig.3

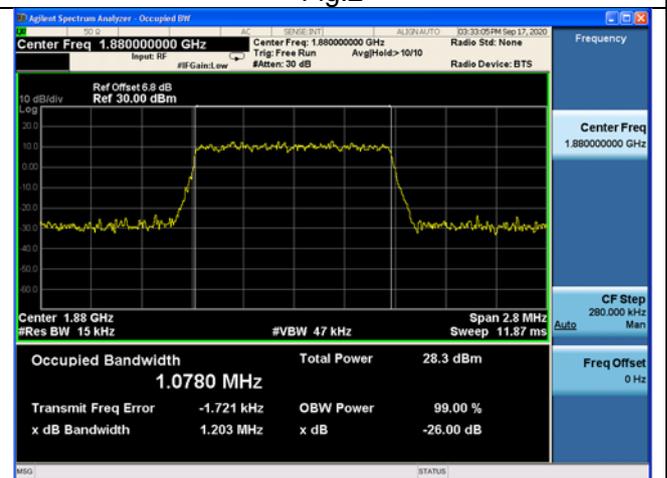


Fig.4

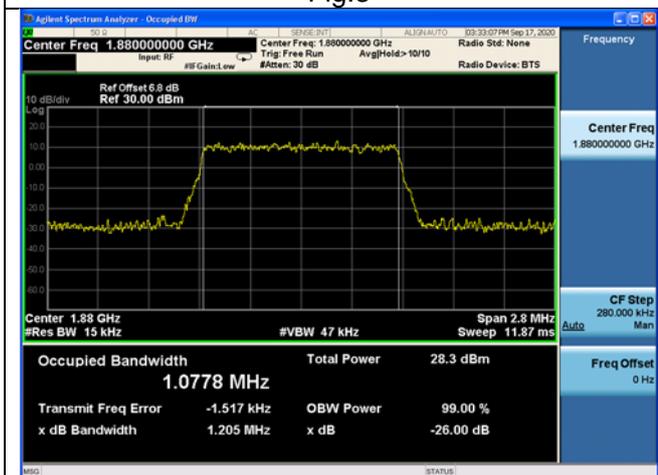


Fig.5

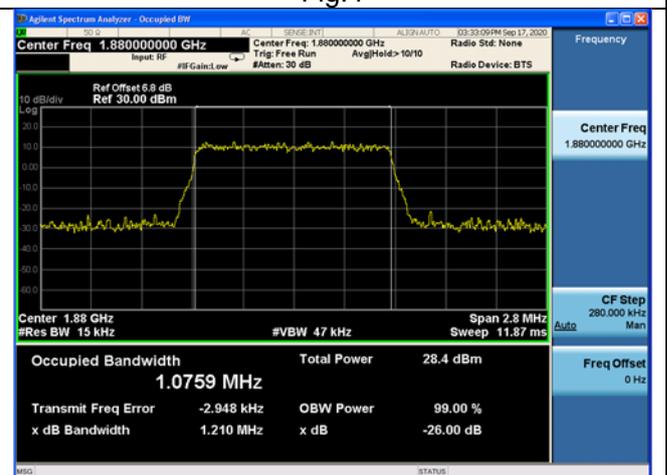


Fig.6

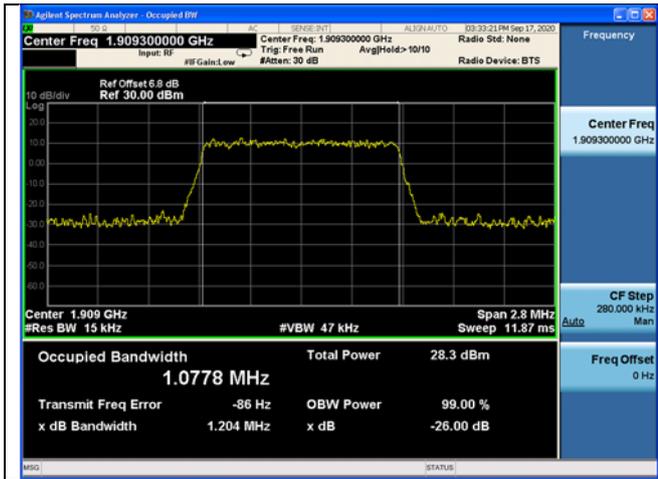


Fig.7

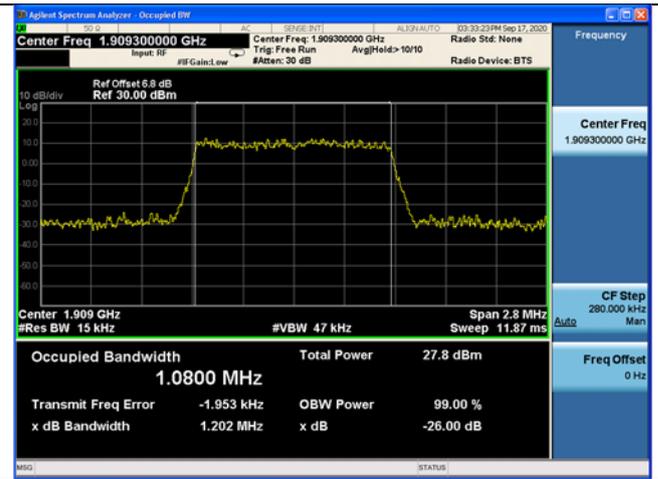


Fig.8

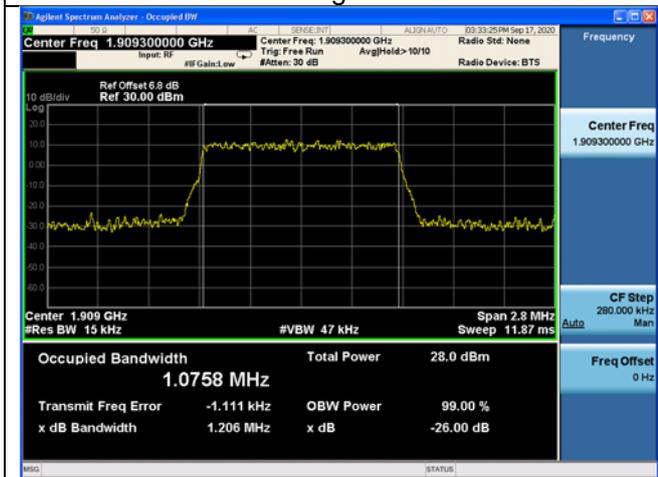


Fig.9

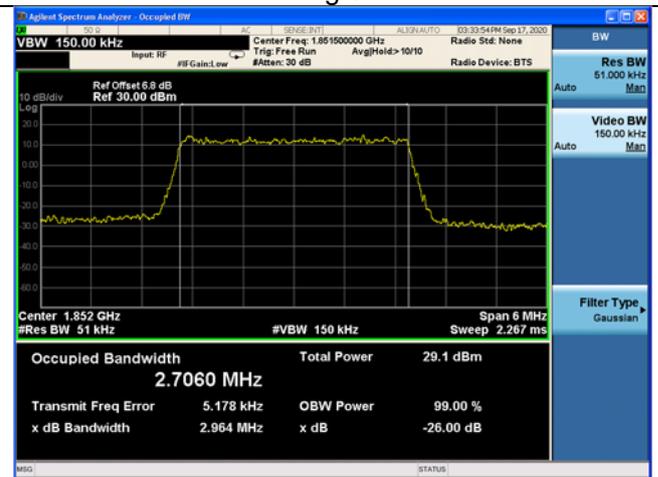


Fig.10

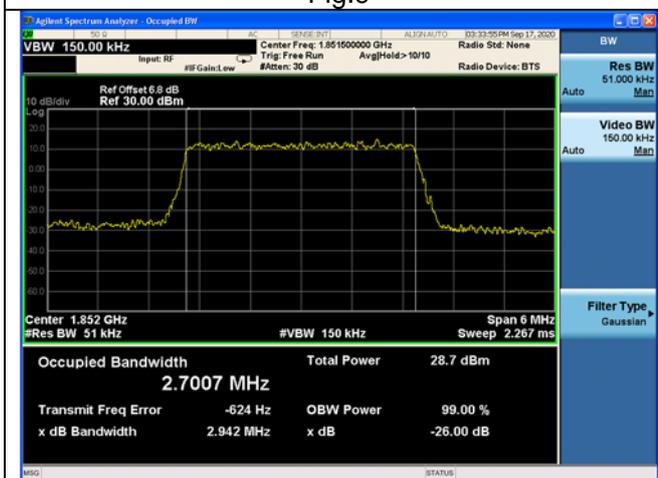


Fig.11

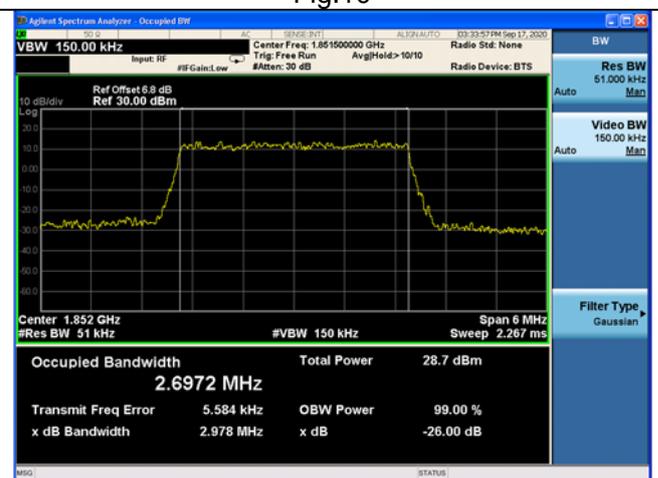


Fig.12

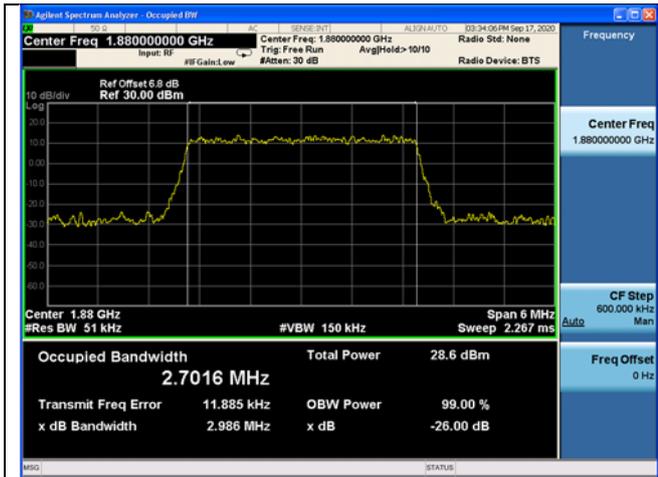


Fig.13

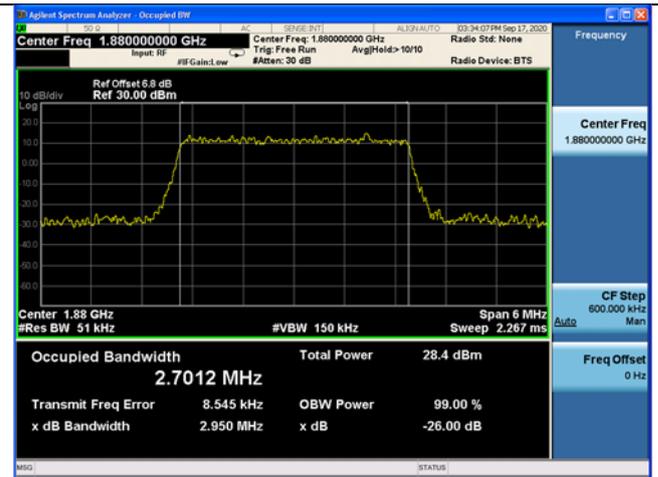


Fig.14

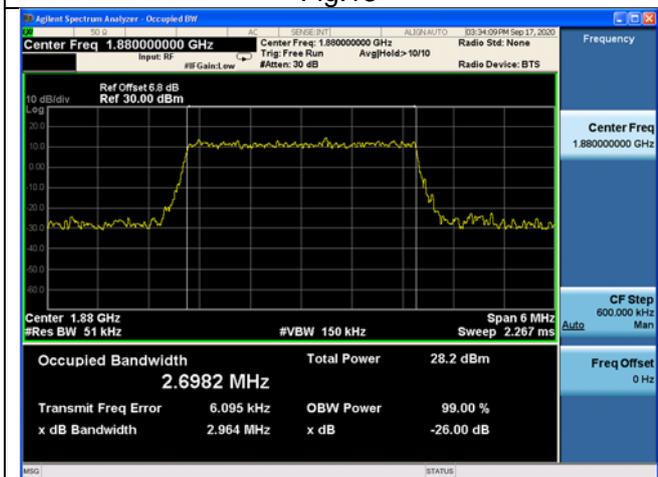


Fig.15

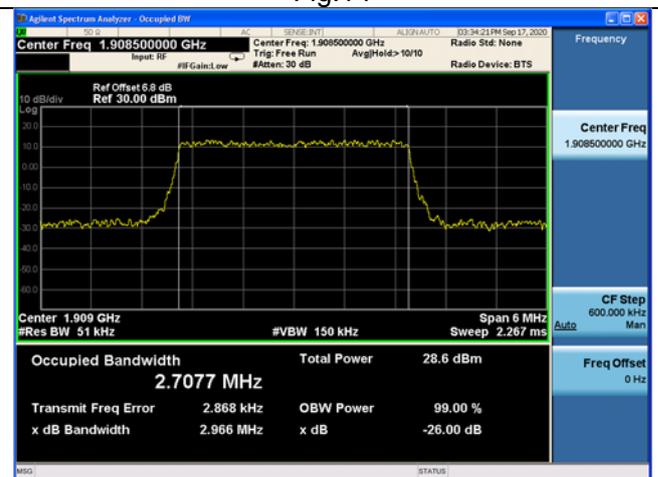


Fig.16

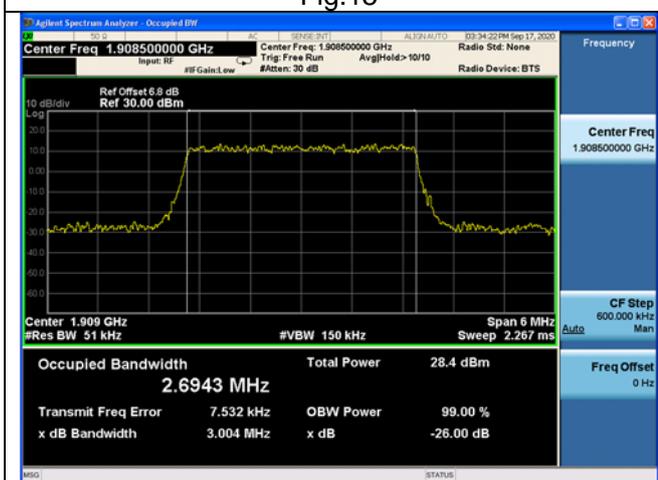


Fig.17

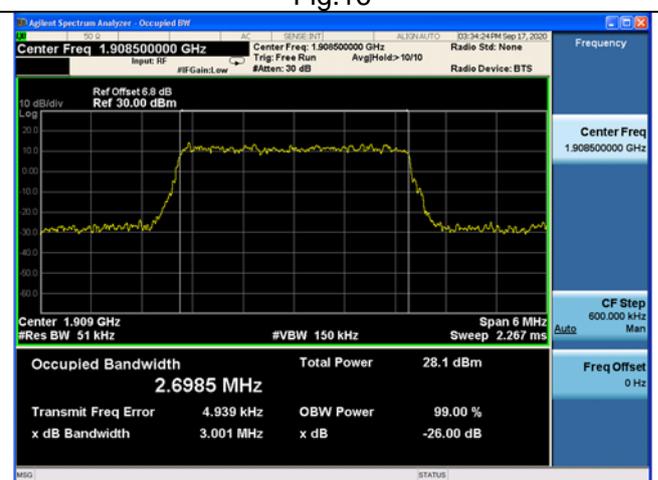


Fig.18

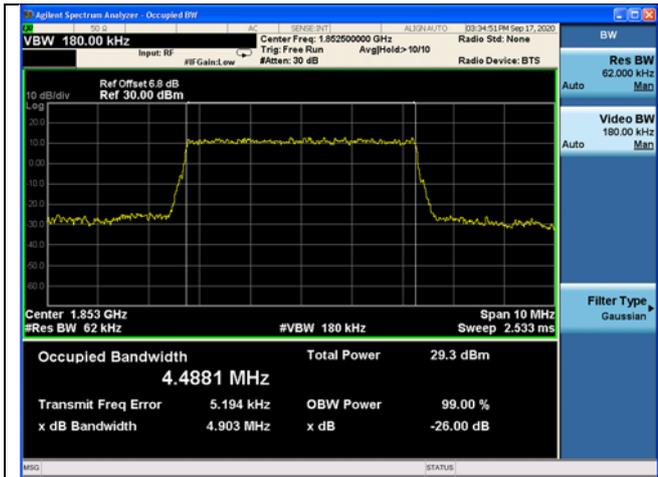


Fig.19

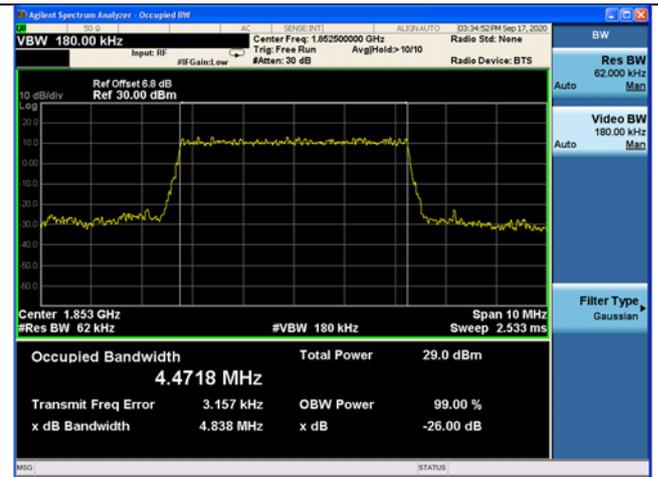


Fig.20

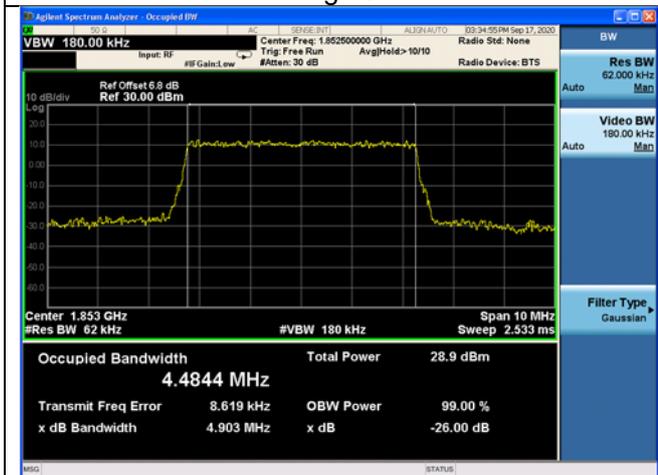


Fig.21

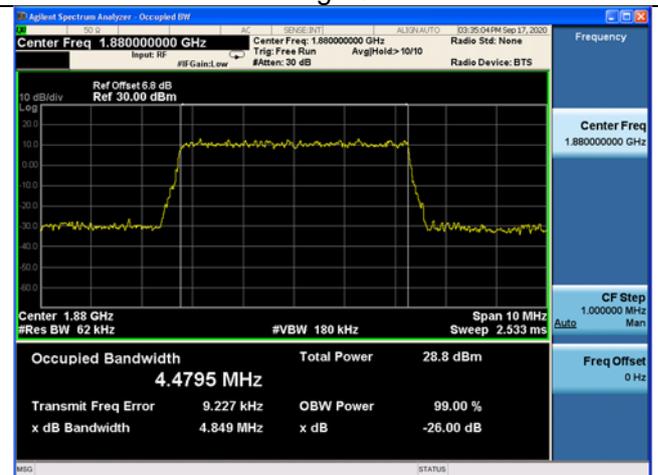


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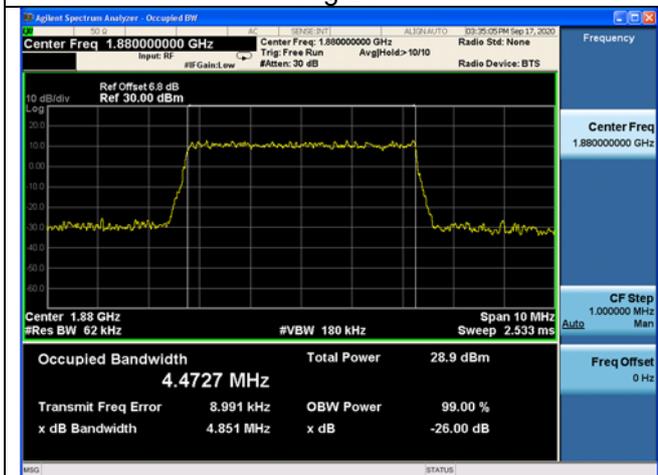


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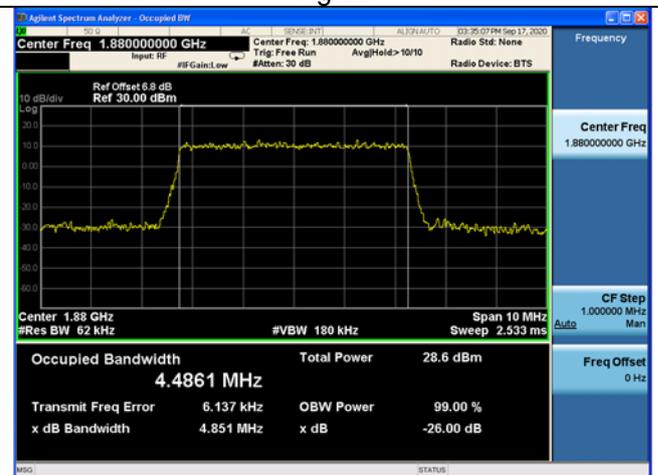


Fig.24



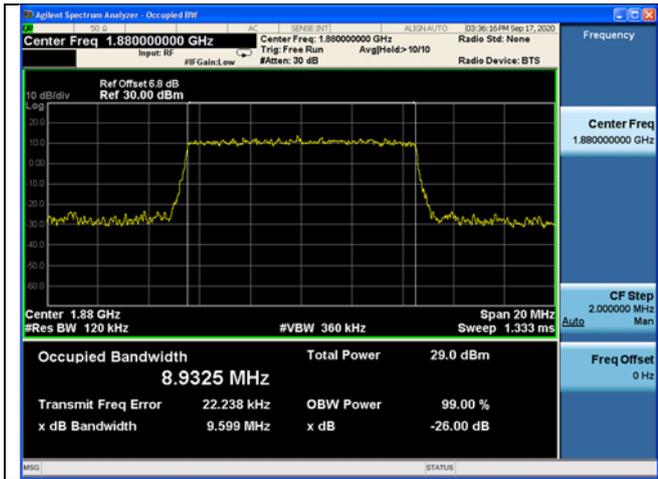


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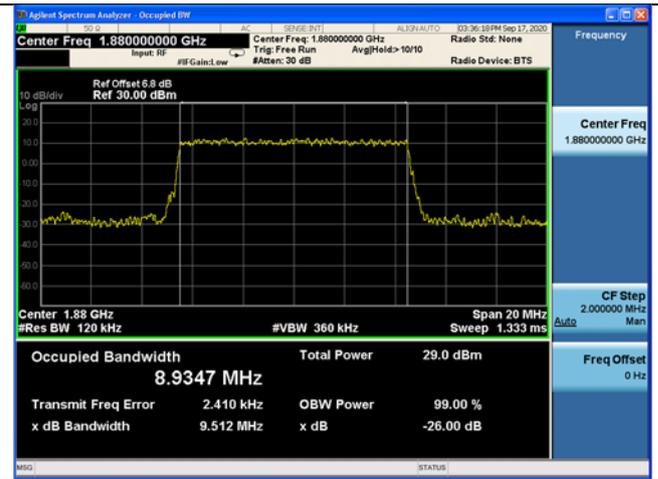


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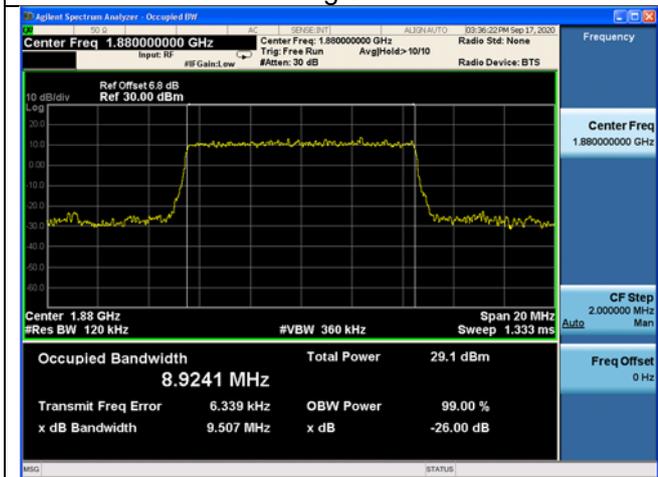


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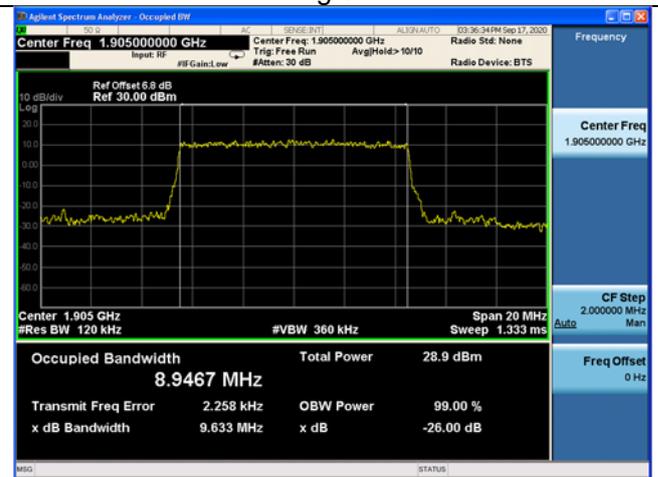


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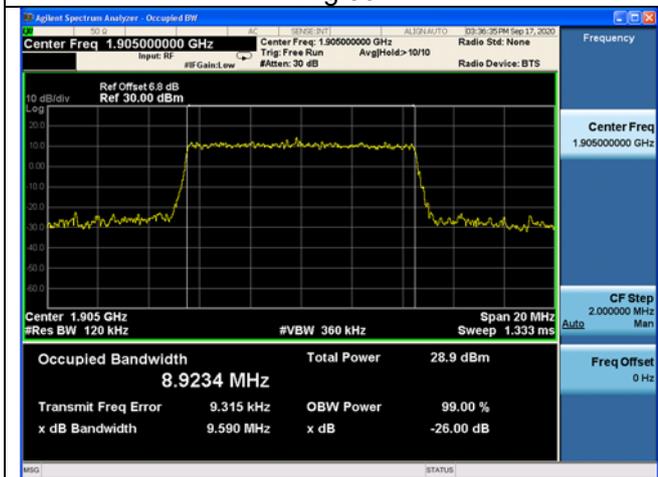


Fig.35

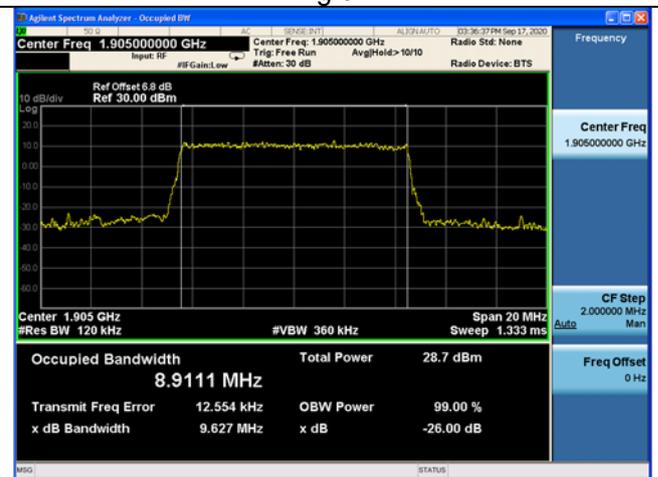


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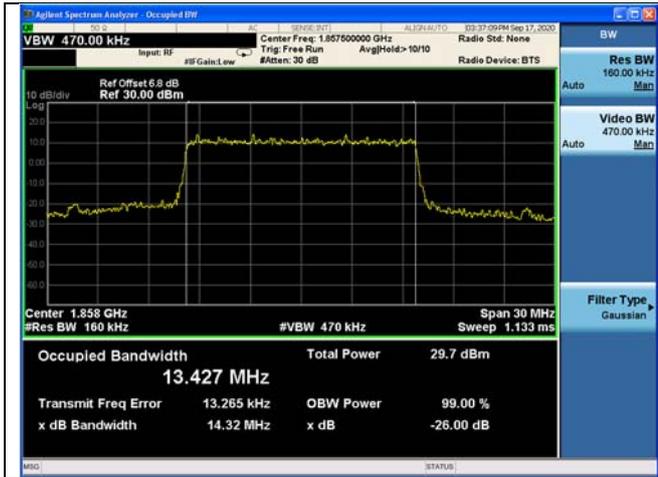


Fig.37



Fig.38

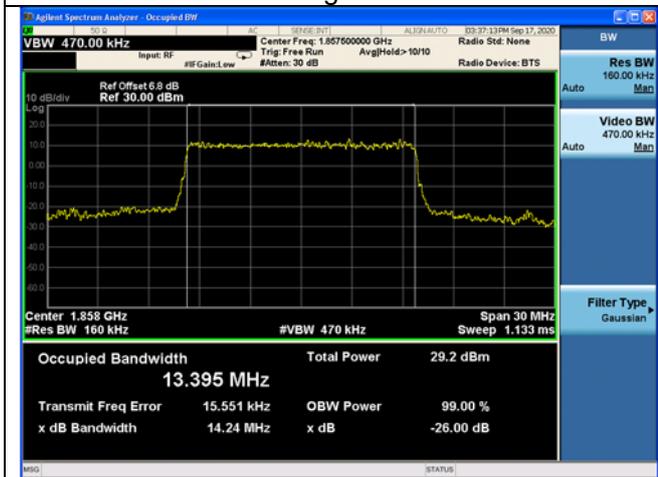


Fig.39

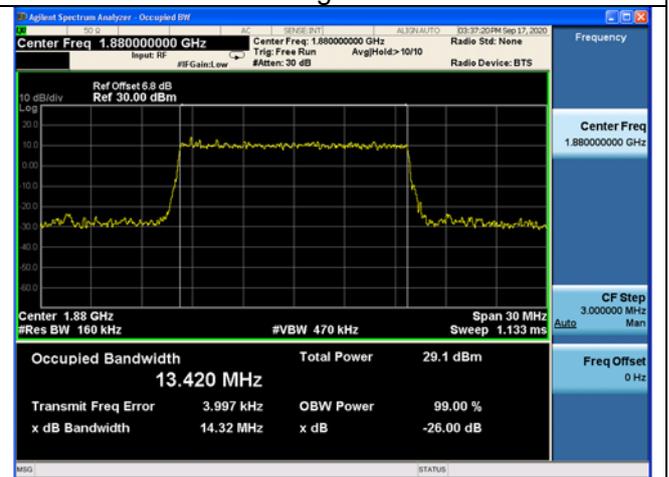


Fig.40

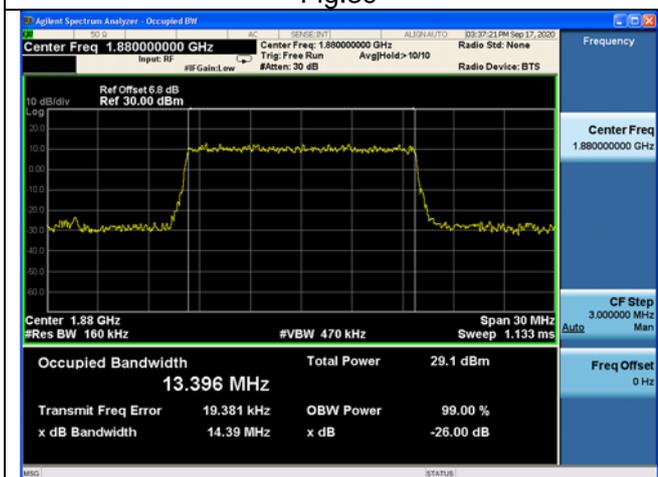


Fig.41

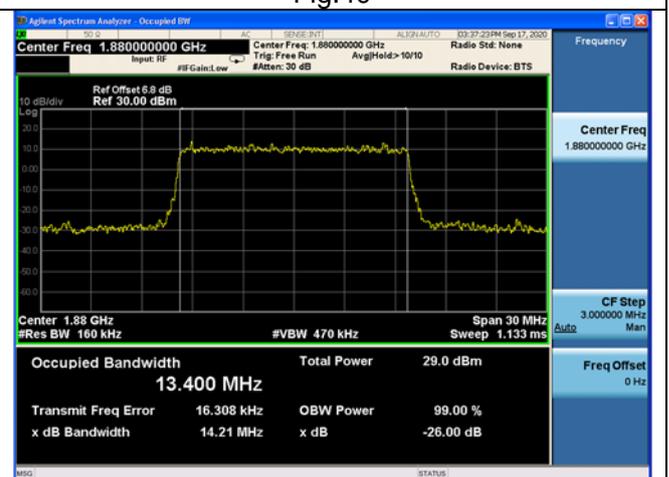


Fig.42

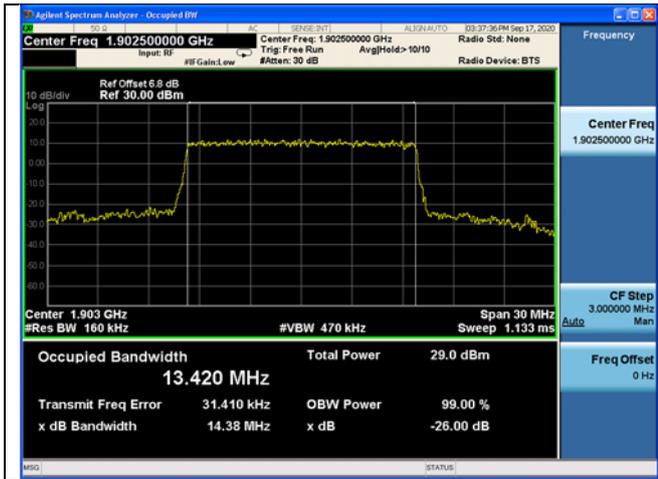


Fig.43

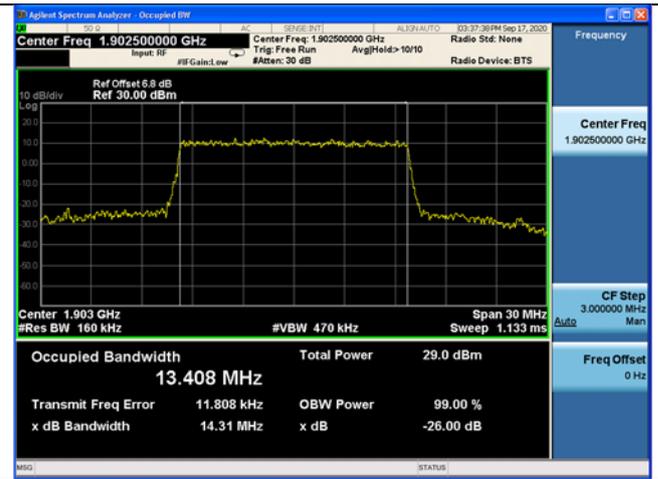


Fig.44

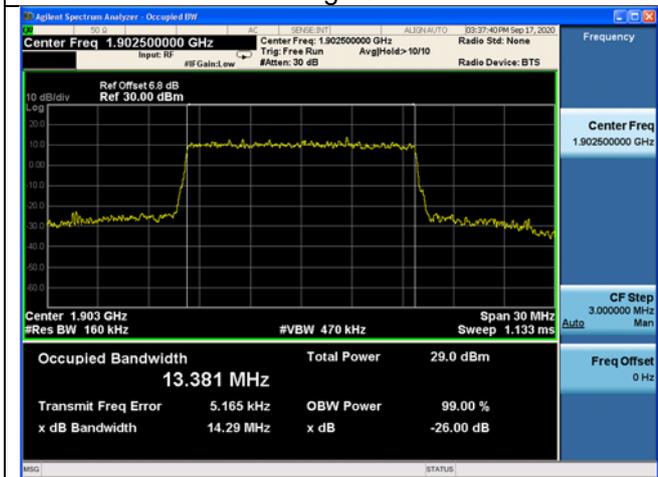


Fig.45

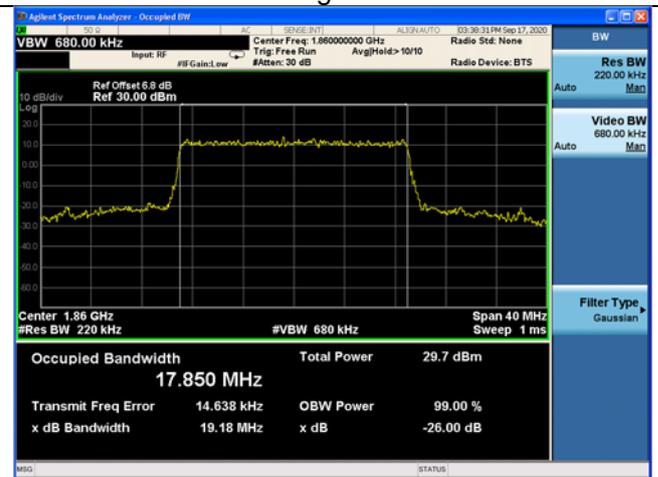


Fig.46

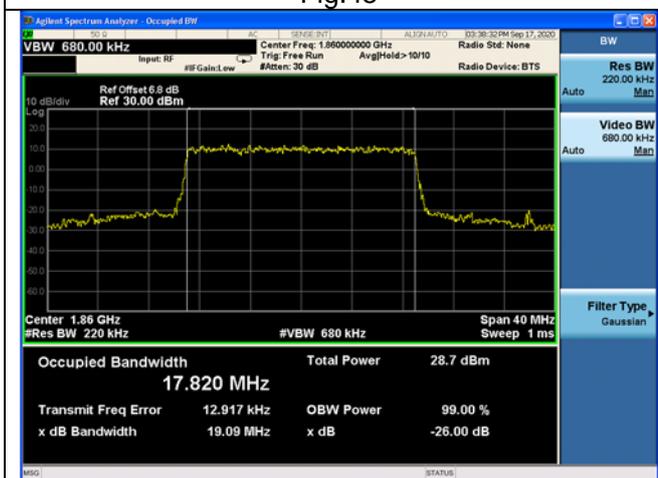


Fig.47

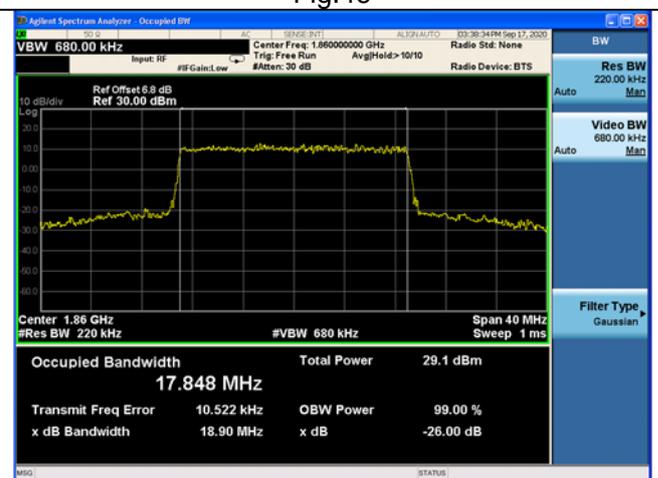


Fig.48

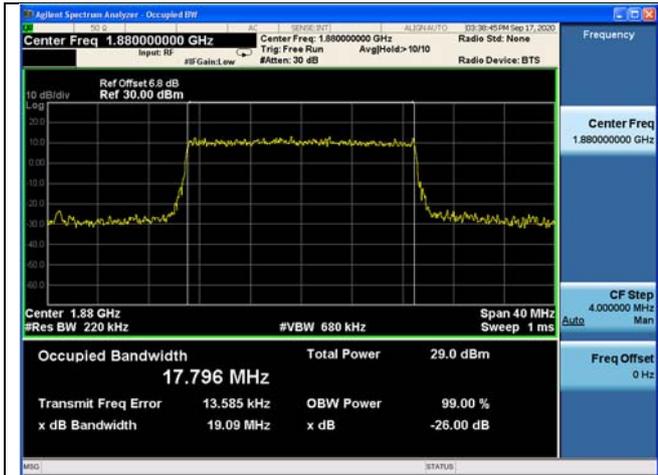


Fig.49



Fig.50

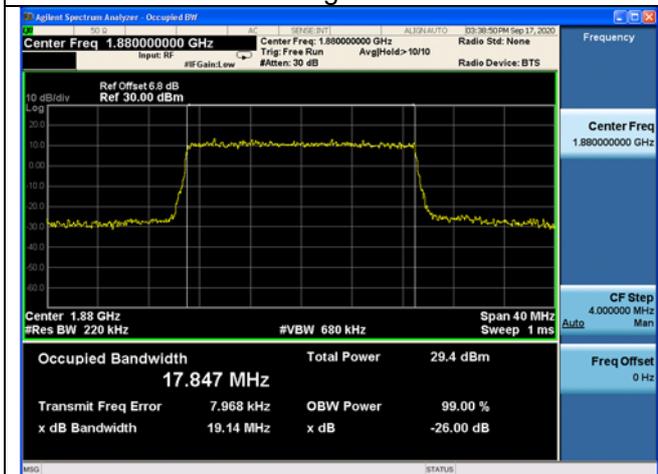


Fig.51



Fig.52

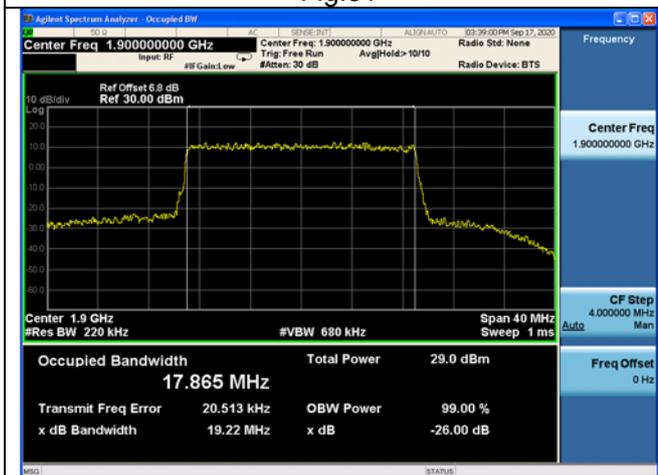


Fig.53



Fig.54

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
2	1880.0	18900	1.4	1	0	Fig.1	Fig.2	Fig.3
			3	1	0	Fig.4	Fig.5	Fig.6
			5	1	0	Fig.7	Fig.8	Fig.9
			10	1	0	Fig.10	Fig.11	Fig.12
			15	1	0	Fig.13	Fig.14	Fig.15
			20	1	0	Fig.16	Fig.17	Fig.18

