

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

**LTE Band 66**

**RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	131979	1.4	1	0	23.96
				1	5	23.80
				3	2	22.81
				6	0	22.70
	1745	132322		1	0	23.90
				1	5	23.60
				3	2	22.74
				6	0	22.73
	1779.3	132665		1	0	24.24
				1	5	23.92
				3	2	22.99
				6	0	23.00
16QAM	1710.7	131979	1.4	1	0	23.12
				1	5	23.01
				3	2	21.86
				6	0	21.89
	1745	132322		1	0	23.20
				1	5	22.97
				3	2	21.83
				6	0	21.87
	1779.3	132665		1	0	23.45
				1	5	23.23
				3	2	22.11
				6	0	22.11
64QAM	1710.7	131979	1.4	1	0	23.18
				1	5	22.92
				3	2	21.79
				6	0	21.82
	1745	132322		1	0	23.10
				1	5	22.91
				3	2	21.74
				6	0	21.73
	1779.3	132665		1	0	23.36
				1	5	23.13
				3	2	22.06
				6	0	22.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.84
				1	14	23.70
				8	4	22.85
				15	0	22.82
	1745	132322		1	0	23.88
				1	14	23.62
				8	4	22.75
				15	0	22.68
	1778.5	132657		1	0	24.27
				1	14	23.99
				8	4	23.12
				15	0	22.95
16QAM	1711.5	131987	3	1	0	23.21
				1	14	23.01
				8	4	21.93
				15	0	21.78
	1745	132322		1	0	23.18
				1	14	23.06
				8	4	21.92
				15	0	21.91
	1778.5	132657		1	0	23.32
				1	14	23.22
				8	4	22.06
				15	0	22.01
64QAM	1711.5	131987	3	1	0	23.17
				1	14	22.94
				8	4	21.77
				15	0	21.70
	1745	132322		1	0	23.14
				1	14	22.90
				8	4	21.76
				15	0	21.81
	1778.5	132657		1	0	23.40
				1	14	23.16
				8	4	22.11
				15	0	22.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.90
				1	24	23.70
				12	6	22.79
				25	0	22.73
	1745	132322		1	0	23.96
				1	24	23.71
				12	6	22.84
				25	0	22.78
	1777.5	132647		1	0	24.20
				1	24	23.92
				12	6	23.04
				25	0	23.04
16QAM	1712.5	131997	5	1	0	23.10
				1	24	23.00
				12	6	21.88
				25	0	21.88
	1745	132322		1	0	23.09
				1	24	23.05
				12	6	21.80
				25	0	21.82
	1777.5	132647		1	0	23.33
				1	24	23.15
				12	6	22.02
				25	0	22.03
64QAM	1712.5	131997	5	1	0	23.16
				1	24	22.89
				12	6	21.91
				25	0	21.79
	1745	132322		1	0	23.16
				1	24	22.98
				12	6	21.79
				25	0	21.84
	1777.5	132647		1	0	23.32
				1	24	23.10
				12	6	22.09
				25	0	22.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.86
				1	49	23.79
				24	12	22.84
				50	0	22.70
	1745	132322		1	0	23.92
				1	49	23.68
				24	12	22.77
				50	0	22.77
	1775	132622		1	0	24.18
				1	49	23.98
				24	12	23.04
				50	0	23.08
16QAM	1715	132022	10	1	0	23.10
				1	49	22.94
				24	12	21.80
				50	0	21.84
	1745	132322		1	0	23.17
				1	49	22.93
				24	12	21.86
				50	0	21.85
	1775	132622		1	0	23.36
				1	49	23.18
				24	12	22.13
				50	0	22.11
64QAM	1715	132022	10	1	0	23.06
				1	49	22.93
				24	12	21.91
				50	0	21.75
	1745	132322		1	0	23.17
				1	49	22.97
				24	12	21.75
				50	0	21.78
	1775	132622		1	0	23.46
				1	49	23.09
				24	12	22.06
				50	0	22.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.93
				1	74	23.77
				40	18	22.82
				75	0	22.79
	1745	132322		1	0	23.88
				1	74	23.60
				40	18	22.70
				75	0	22.70
	1772.5	132597		1	0	24.14
				1	74	23.93
				40	18	23.01
				75	0	23.03
16QAM	1717.5	132047	15	1	0	23.24
				1	74	22.95
				40	18	21.91
				75	0	21.83
	1745	132322		1	0	23.21
				1	74	22.97
				40	18	21.85
				75	0	21.83
	1772.5	132597		1	0	23.37
				1	74	23.17
				40	18	22.13
				75	0	22.06
64QAM	1717.5	132047	15	1	0	23.15
				1	74	23.00
				40	18	21.92
				75	0	21.82
	1745	132322		1	0	23.18
				1	74	22.89
				40	18	21.78
				75	0	21.85
	1772.5	132597		1	0	23.42
				1	74	23.13
				40	18	22.13
				75	0	22.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.98
				1	99	23.84
				50	25	22.89
				100	0	22.85
	1745	132322		1	0	23.97
				1	99	23.75
				50	25	22.84
				100	0	22.83
	1770	132572		1	0	24.28
				1	99	24.05
				50	25	23.12
				100	0	23.09
16QAM	1720	132072	20	1	0	23.24
				1	99	23.04
				50	25	21.94
				100	0	21.89
	1745	132322		1	0	23.23
				1	99	23.07
				50	25	21.93
				100	0	21.92
	1770	132572		1	0	23.45
				1	99	23.24
				50	25	22.15
				100	0	22.13
64QAM	1720	132072	20	1	0	23.21
				1	99	23.01
				50	25	21.92
				100	0	21.84
	1745	132322		1	0	23.21
				1	99	23.04
				50	25	21.87
				100	0	21.86
	1770	132572		1	0	23.47
				1	99	23.23
				50	25	22.13
				100	0	22.15

**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	
66	1710.7	131979	1.4	6	0	1.0830	Fig.1	1.0799	Fig.2	1.0824	Fig.3
	1745	132322		6	0	1.0830	Fig.4	1.0790	Fig.5	1.0813	Fig.6
	1779.3	132665		6	0	1.0782	Fig.7	1.0778	Fig.8	1.0844	Fig.9
	1711.5	131987	3	15	0	2.7156	Fig.10	2.6945	Fig.11	2.6942	Fig.12
	1745	132322		15	0	2.6982	Fig.13	2.6913	Fig.14	2.6964	Fig.15
	1778.5	132657		15	0	2.7016	Fig.16	2.7090	Fig.17	2.6951	Fig.18
	1712.5	131997	5	25	0	4.4693	Fig.19	4.4853	Fig.20	4.4784	Fig.21
	1745	132322		25	0	4.4693	Fig.a22	4.4662	Fig.23	4.4513	Fig.24
	1777.5	132647		25	0	4.4632	Fig.25	4.4720	Fig.26	4.4663	Fig.27
	1715	132022	10	50	0	8.9435	Fig.28	8.9490	Fig.29	8.9522	Fig.30
	1745	132322		50	0	8.9559	Fig.31	8.9843	Fig.32	8.9717	Fig.33
	1775	132622		50	0	8.9808	Fig.34	8.9695	Fig.35	8.9712	Fig.36
	1717.5	132047	15	75	0	13.429	Fig.37	13.435	Fig.38	13.441	Fig.39
	1745	132322		75	0	13.449	Fig.40	13.413	Fig.41	13.451	Fig.42
	1772.5	132597		75	0	13.434	Fig.43	13.431	Fig.44	13.469	Fig.45
	1720	132072	20	100	0	17.898	Fig.46	17.864	Fig.47	17.918	Fig.48
	1745	132322		100	0	17.888	Fig.49	17.907	Fig.50	17.929	Fig.51
	1770	132572		100	0	17.890	Fig.52	17.883	Fig.53	17.966	Fig.54

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
66	1710.7	131979	1.4	6	0	1.222	Fig.1	1.227	Fig.2	1.218	Fig.3
	1745	132322		6	0	1.223	Fig.4	1.218	Fig.5	1.208	Fig.6
	1779.3	132665		6	0	1.217	Fig.7	1.207	Fig.8	1.224	Fig.9
	1711.5	131987	3	15	0	3.043	Fig.10	3.031	Fig.11	3.019	Fig.12
	1745	132322		15	0	3.033	Fig.13	3.008	Fig.14	3.003	Fig.15
	1778.5	132657		15	0	2.999	Fig.16	3.030	Fig.17	2.980	Fig.18
	1712.5	131997	5	25	0	4.885	Fig.19	4.899	Fig.20	4.891	Fig.21
	1745	132322		25	0	4.894	Fig.a22	4.920	Fig.23	4.858	Fig.24
	1777.5	132647		25	0	4.880	Fig.25	4.907	Fig.26	4.866	Fig.27
	1715	132022	10	50	0	9.724	Fig.28	9.697	Fig.29	9.695	Fig.30
	1745	132322		50	0	9.770	Fig.31	9.707	Fig.32	9.745	Fig.33
	1775	132622		50	0	9.777	Fig.34	9.671	Fig.35	9.772	Fig.36
	1717.5	132047	15	75	0	14.53	Fig.37	14.50	Fig.38	14.60	Fig.39
	1745	132322		75	0	14.80	Fig.40	14.47	Fig.41	14.49	Fig.42
	1772.5	132597		75	0	14.69	Fig.43	14.91	Fig.44	14.71	Fig.45
	1720	132072	20	100	0	19.45	Fig.46	19.40	Fig.47	19.22	Fig.48
	1745	132322		100	0	19.27	Fig.49	19.43	Fig.50	19.63	Fig.51
	1770	132572		100	0	18.98	Fig.52	19.32	Fig.53	19.28	Fig.54

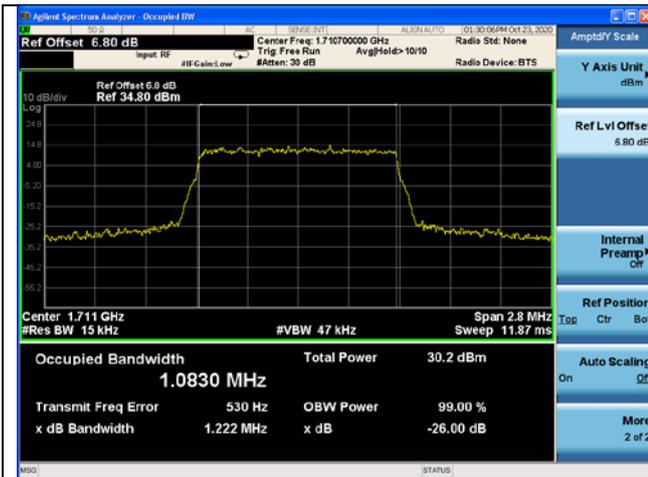


Fig.1



Fig.2

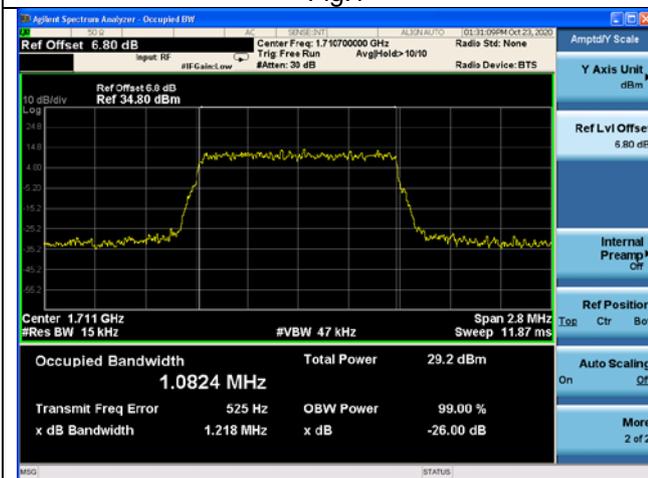


Fig.3

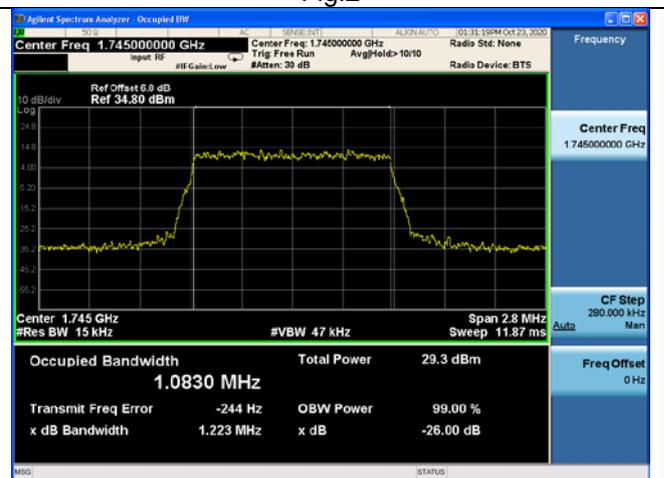


Fig.4

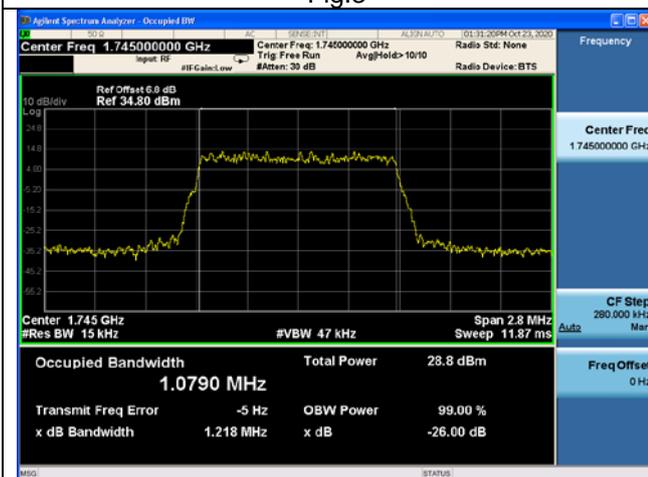


Fig.5

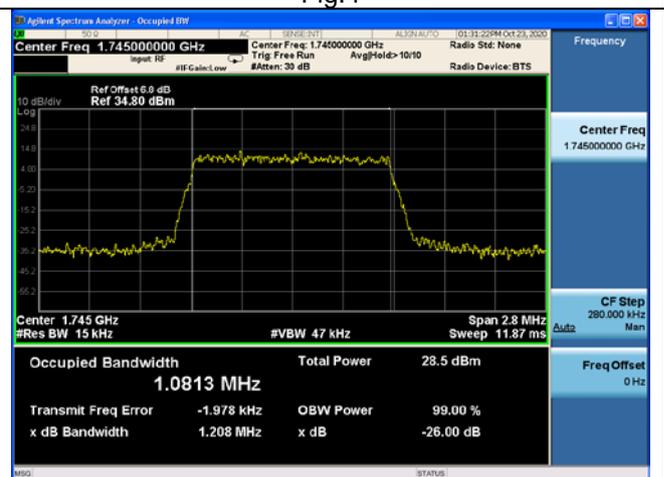


Fig.6

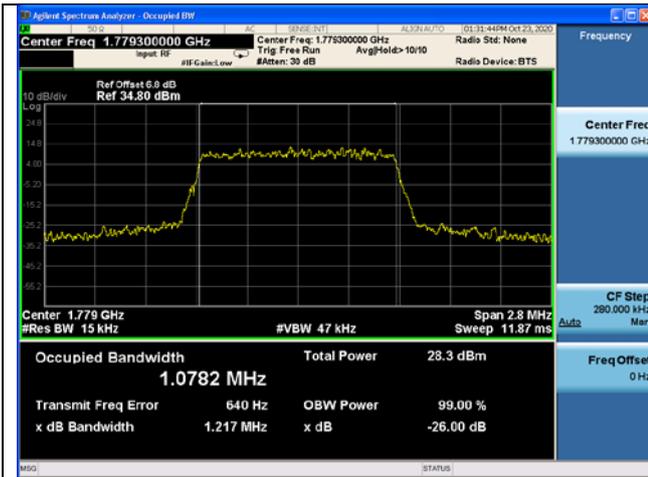


Fig.7

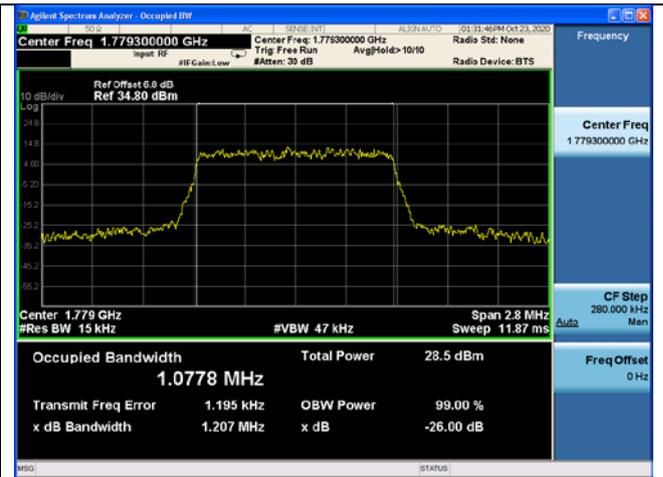


Fig.8

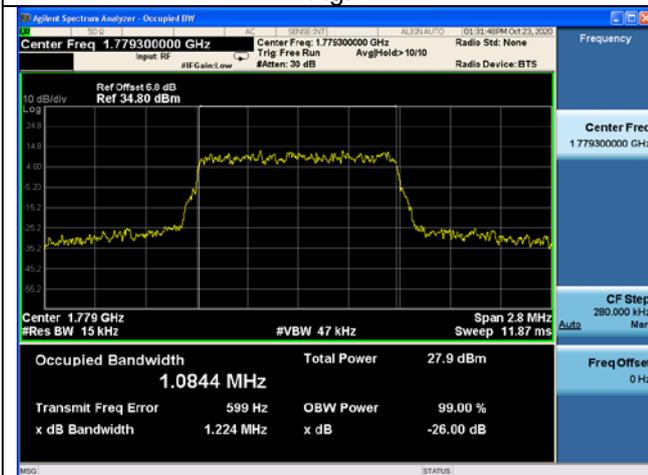


Fig.9

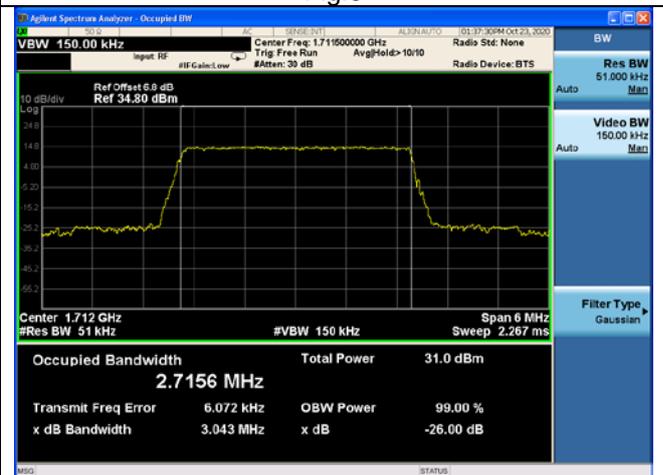


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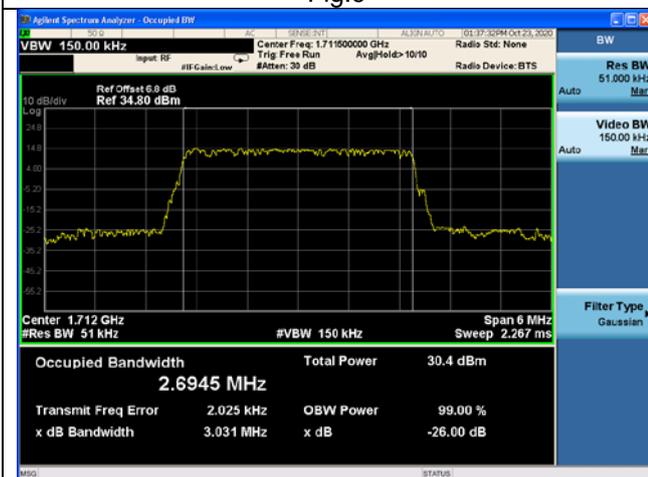


Fig.11

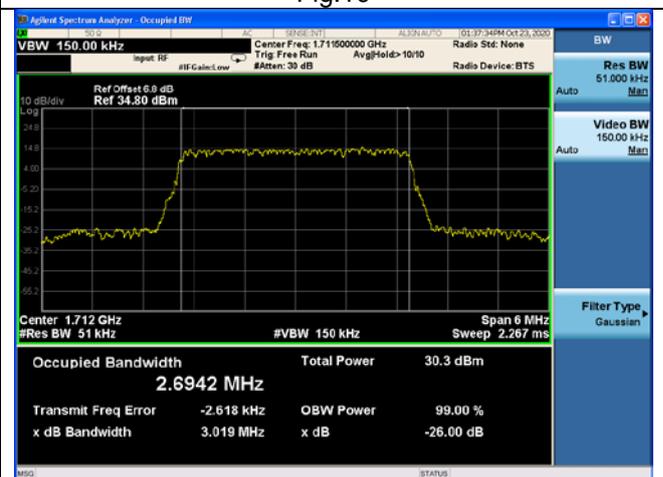


Fig.12

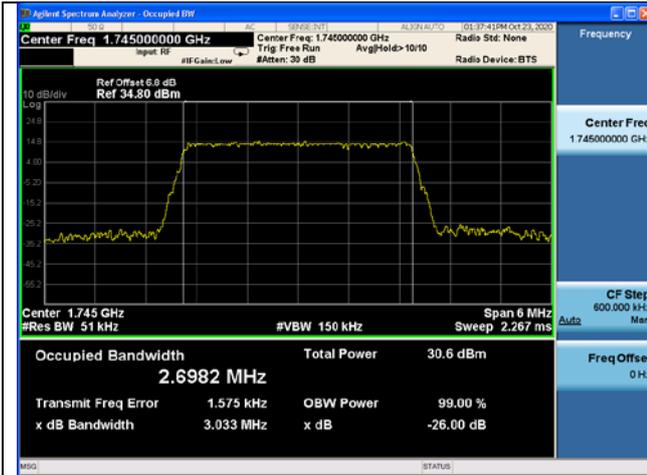


Fig.13

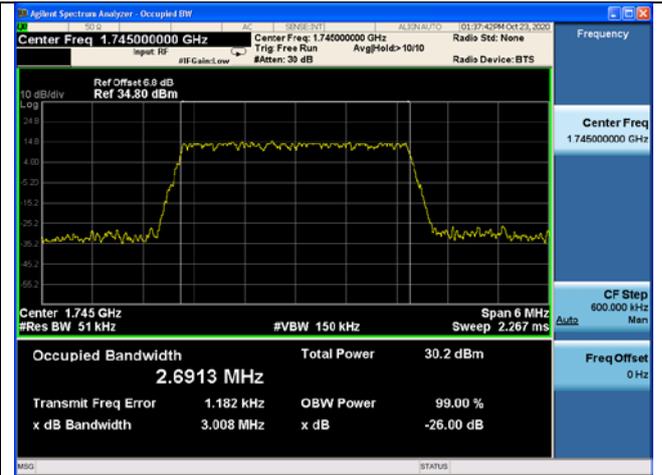


Fig.14

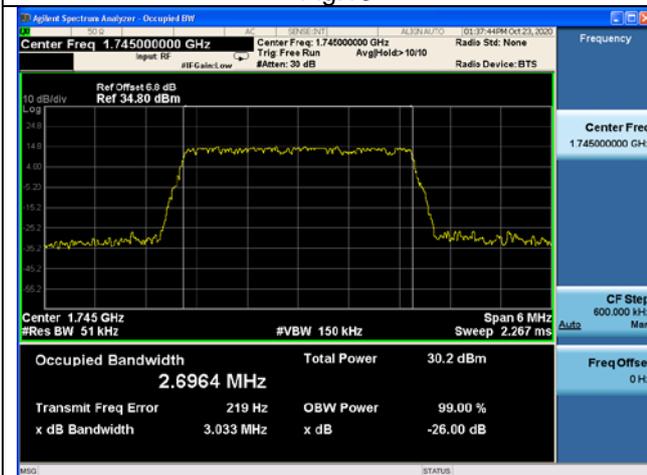


Fig.15

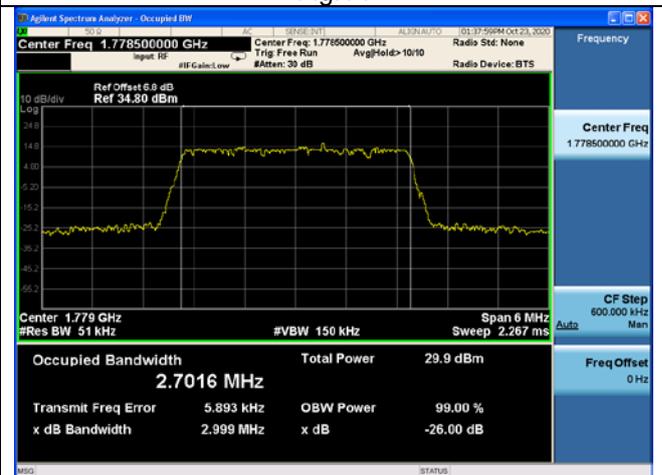


Fig.16

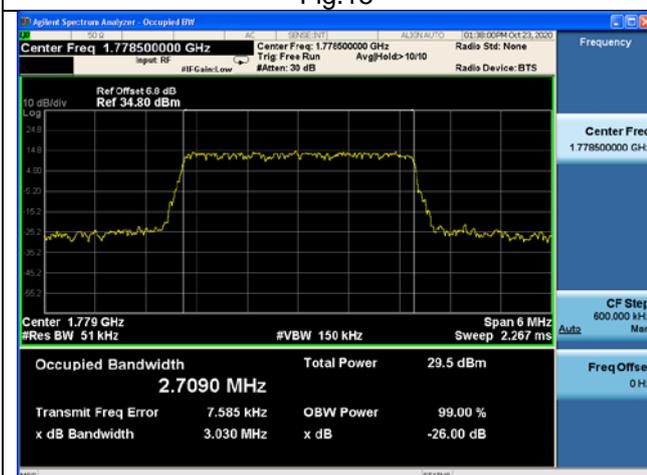


Fig.17

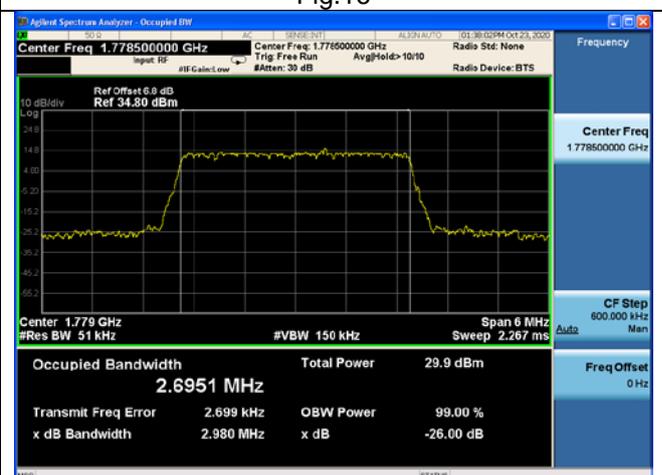


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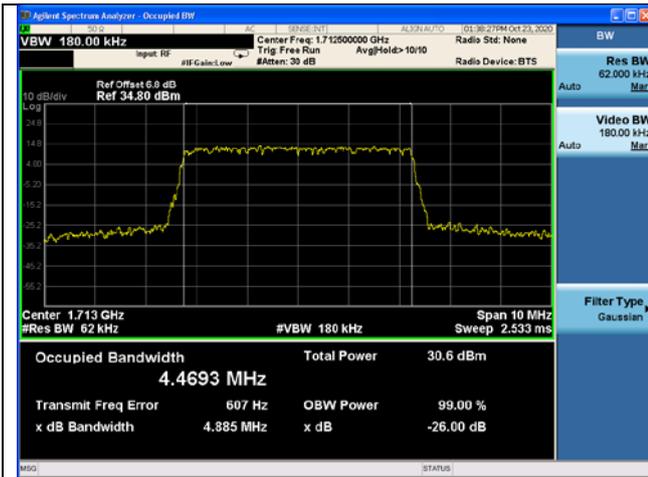


Fig.19



Fig.20

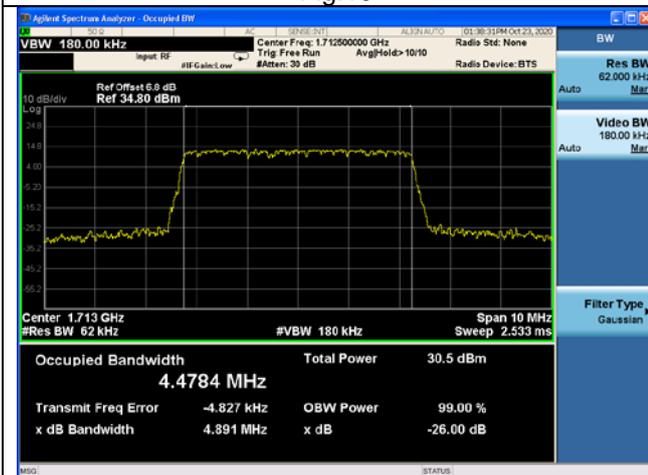


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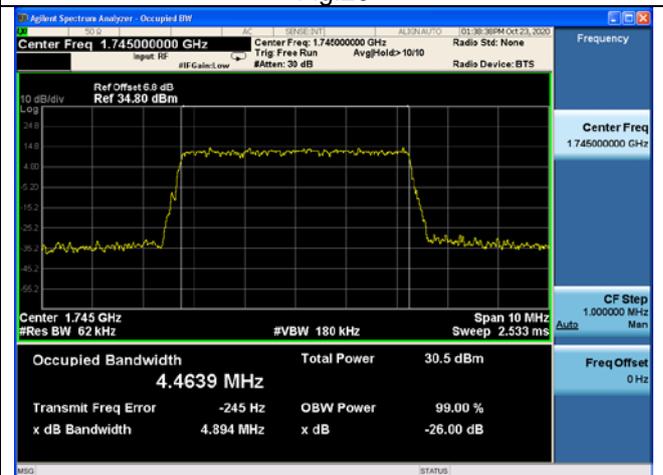


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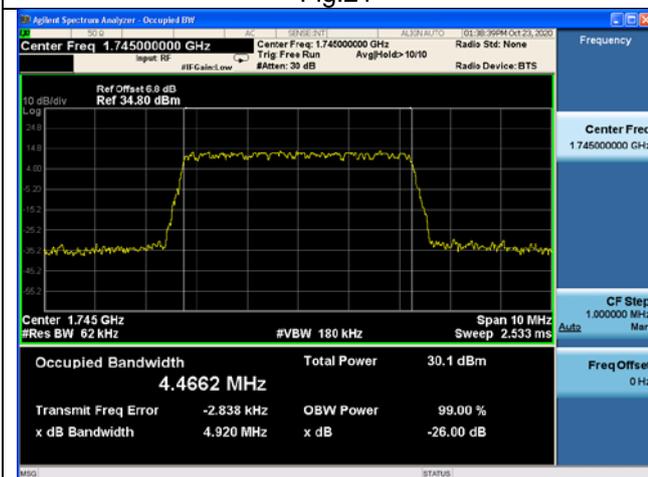


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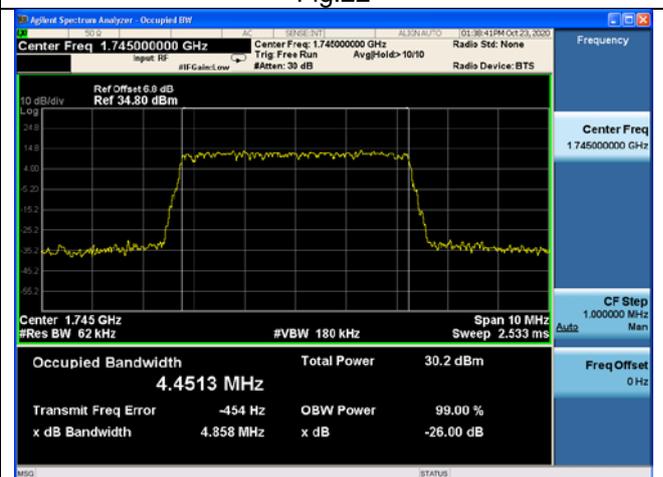


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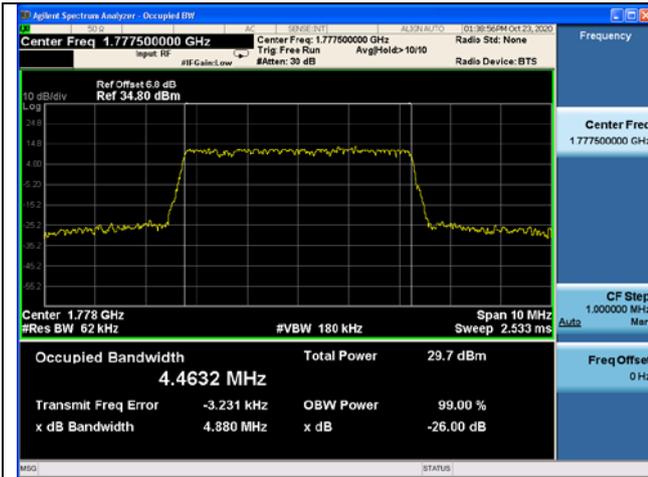


Fig.25



Fig.26

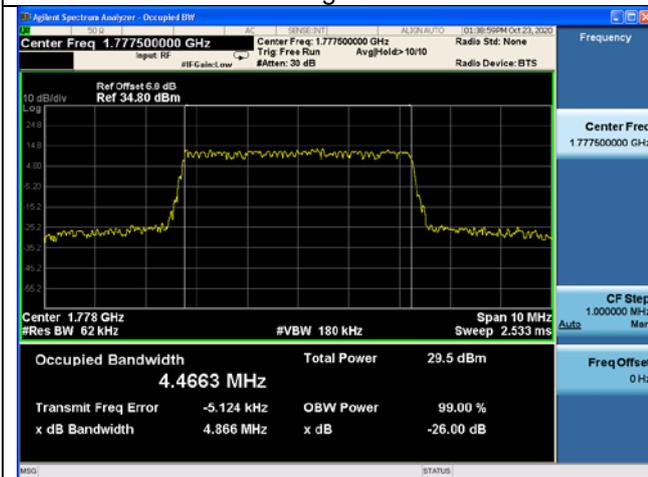


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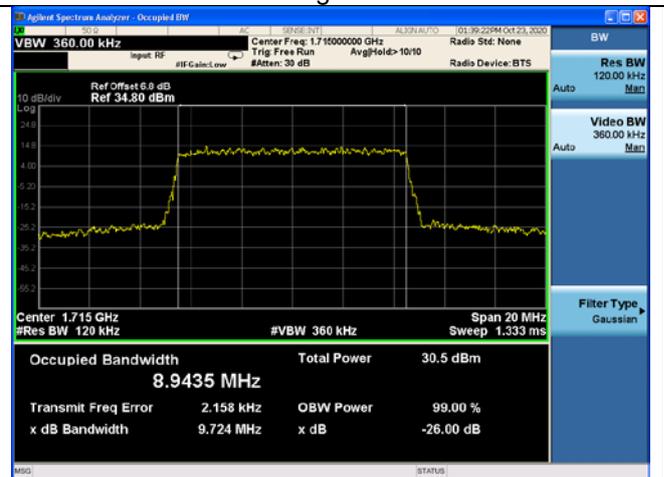


Fig.28

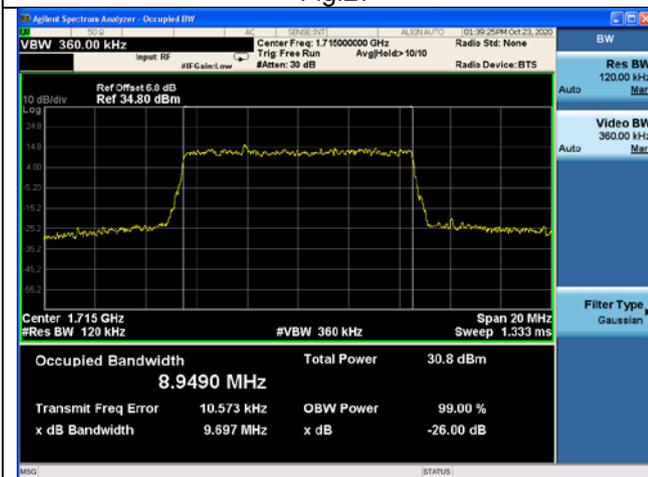


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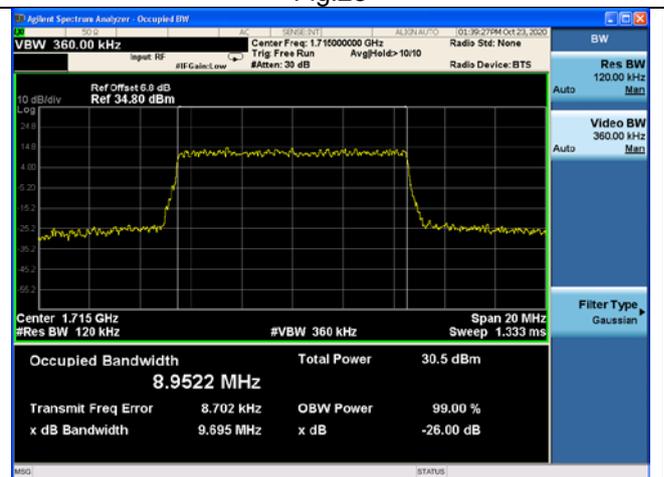


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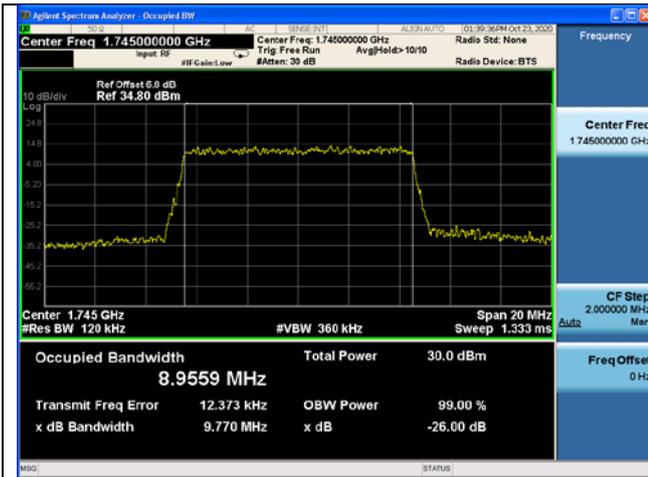


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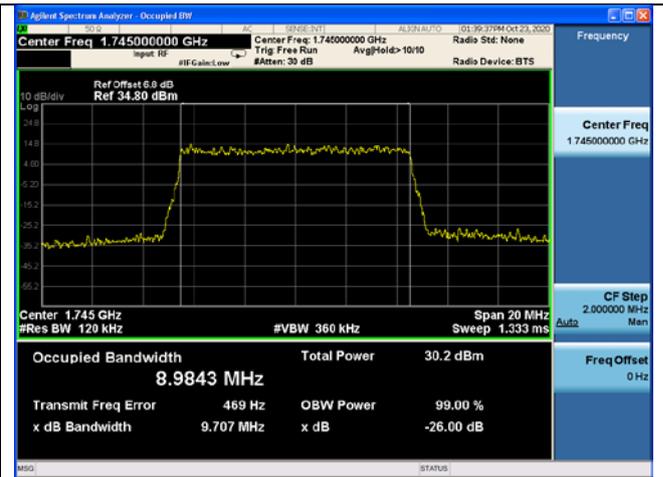


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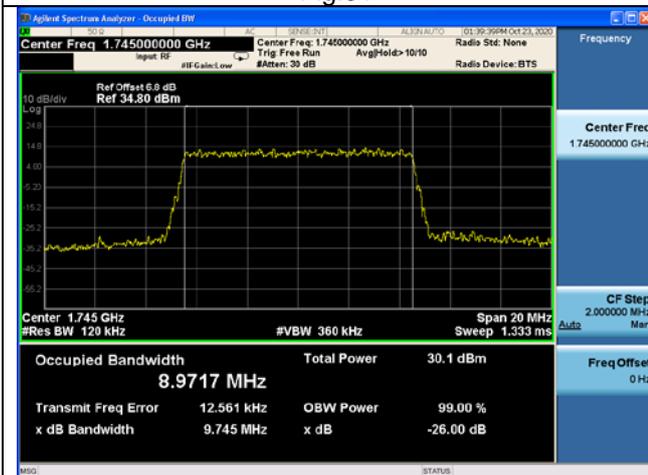


Fig.33

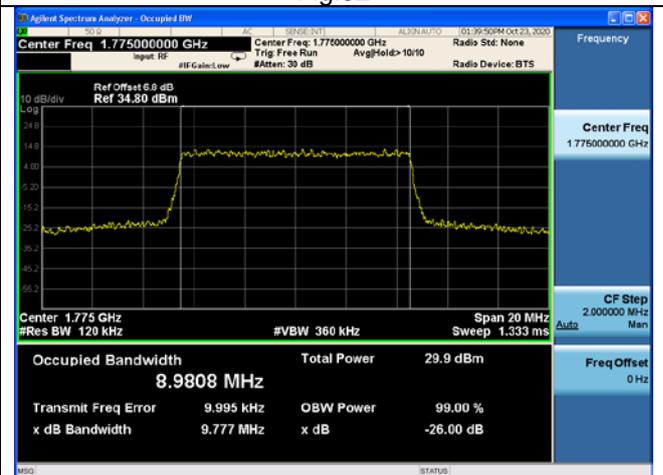


Fig.34

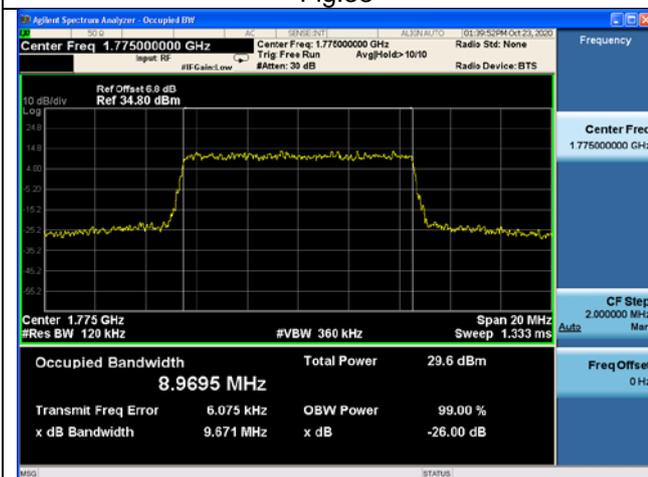


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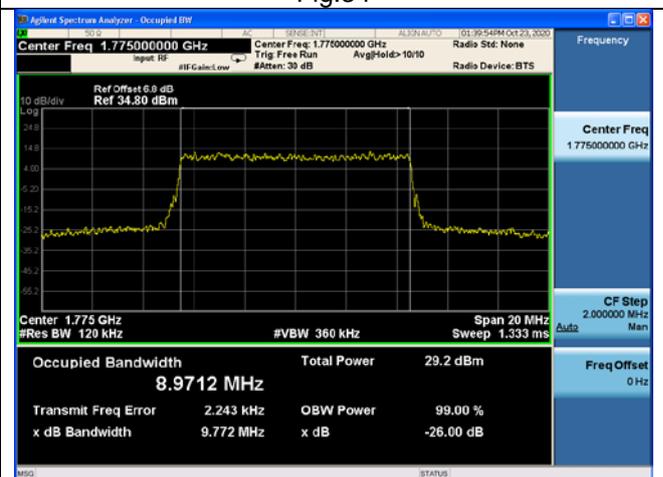


Fig.36

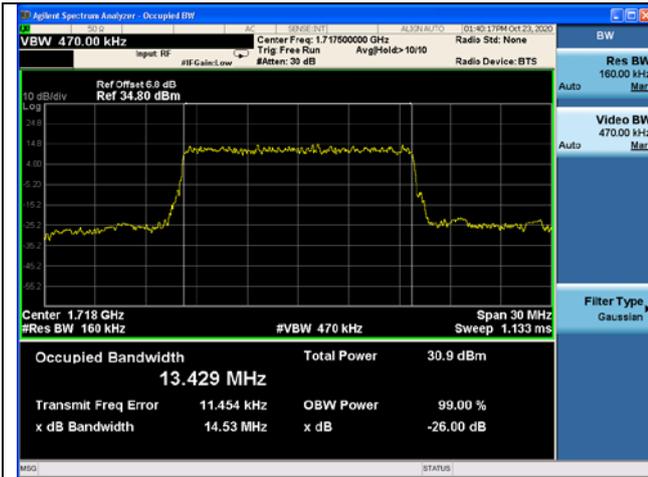


Fig.37



Fig.38

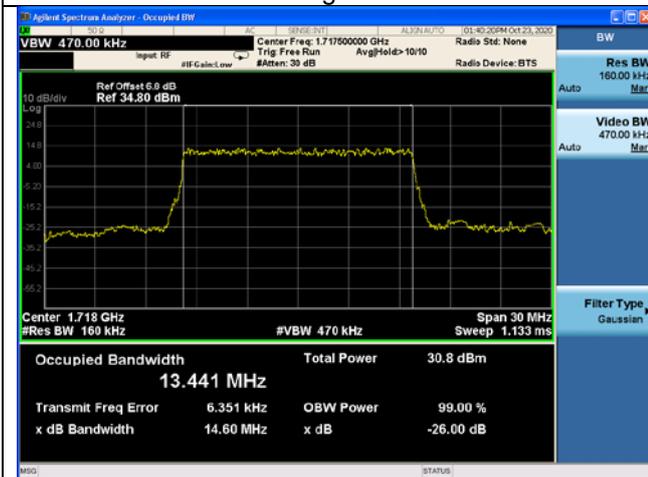


Fig.39



Fig.40

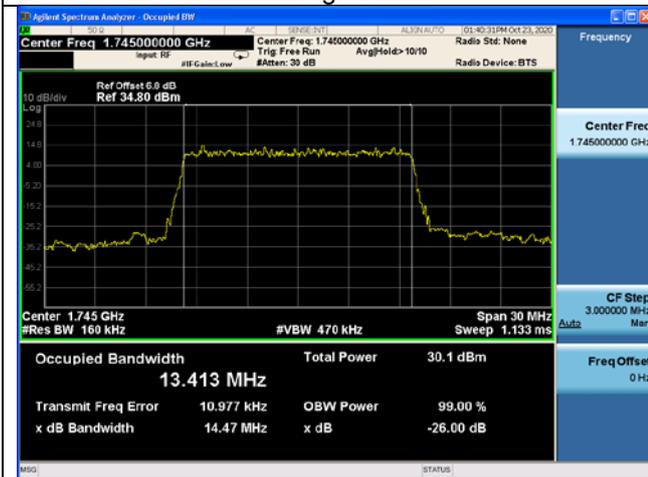


Fig.41



Fig.42

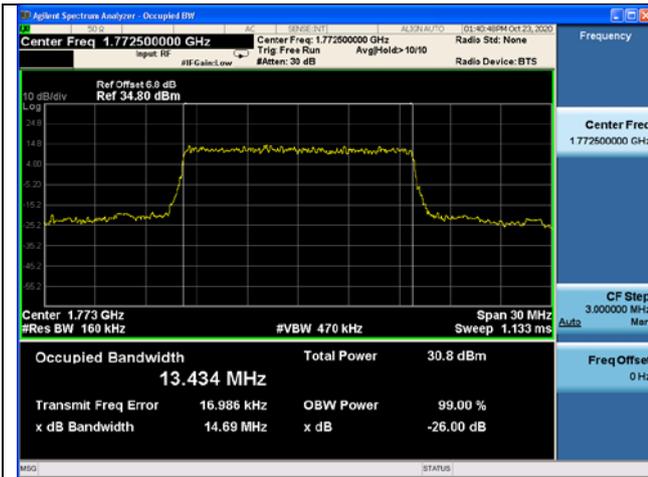


Fig.43

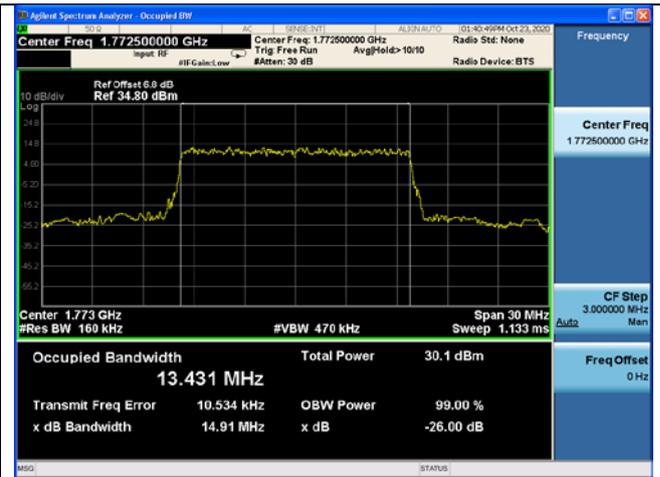


Fig.44

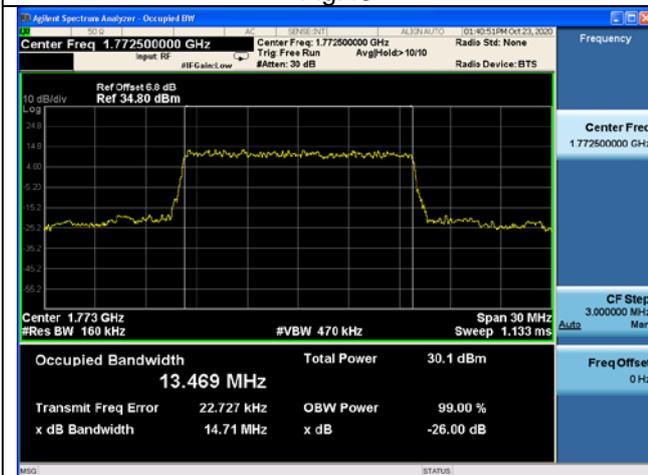


Fig.45

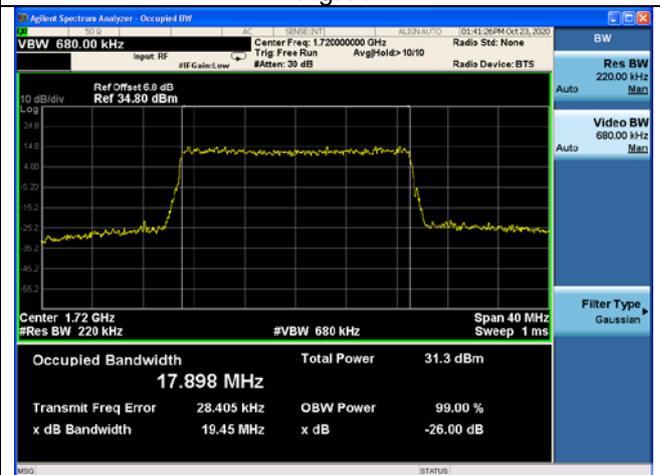


Fig.46

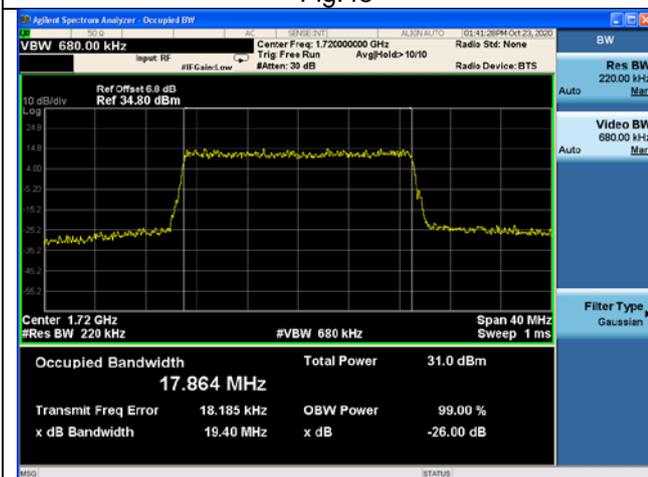


Fig.47

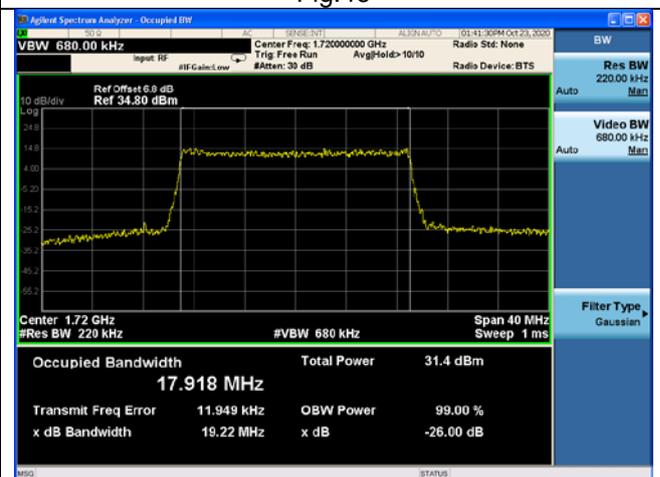


Fig.48

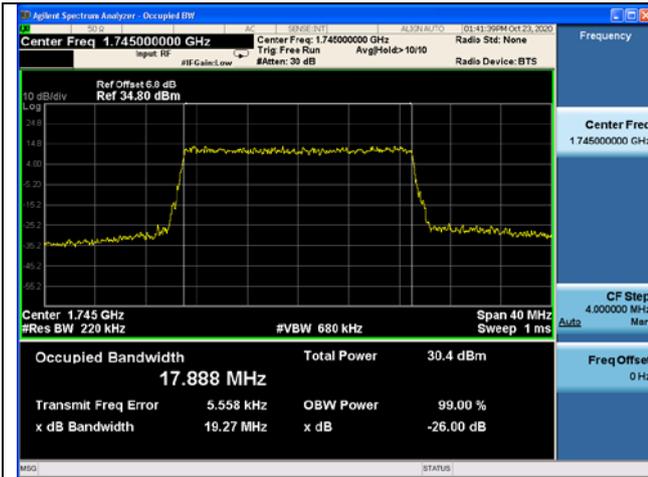


Fig.49

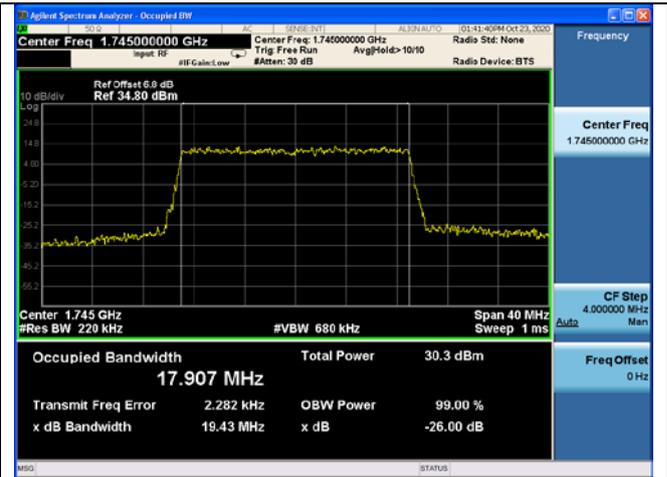


Fig.50

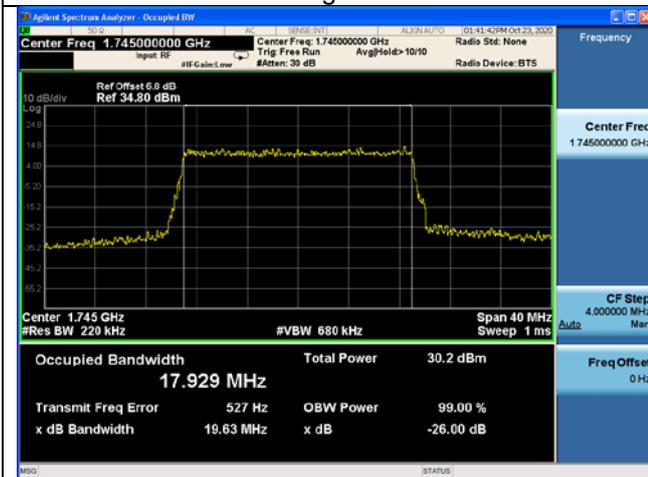


Fig.51

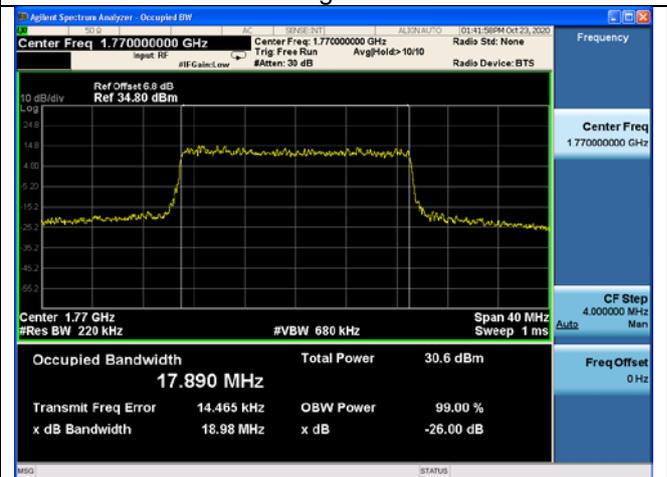


Fig.52

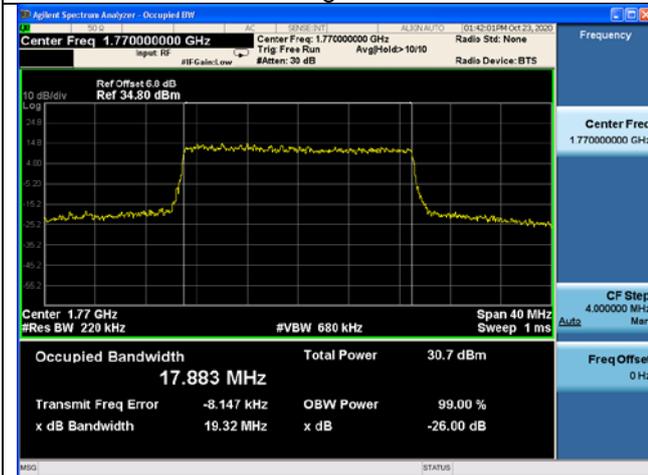


Fig.53

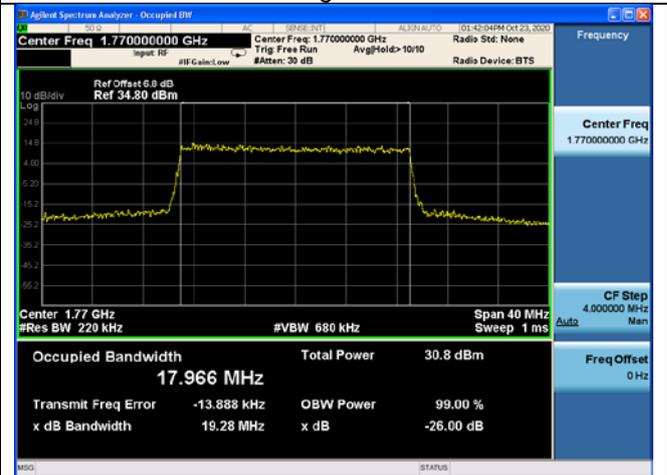


Fig.54

### Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
66	1745	132322	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

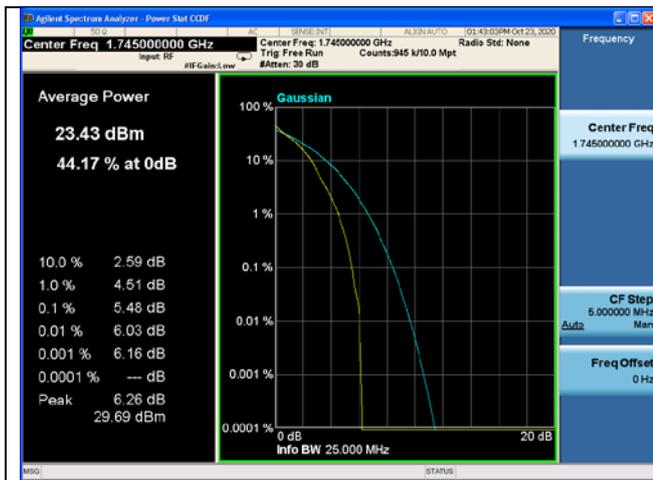


Fig.1

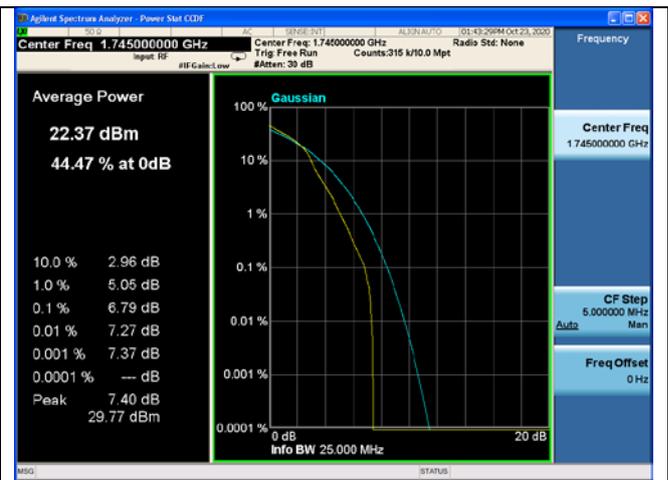


Fig.2



Fig.3



Fig.4



Fig.5

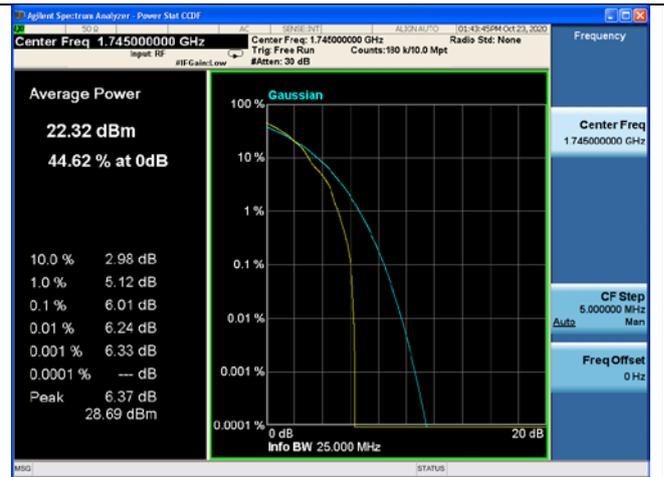


Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11

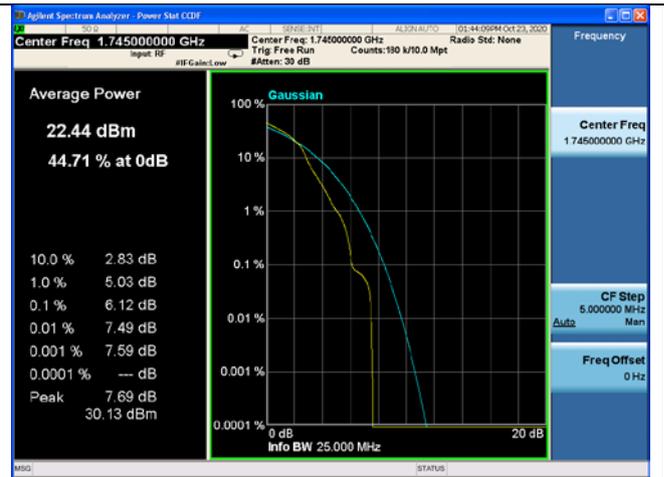


Fig.12



Fig.13

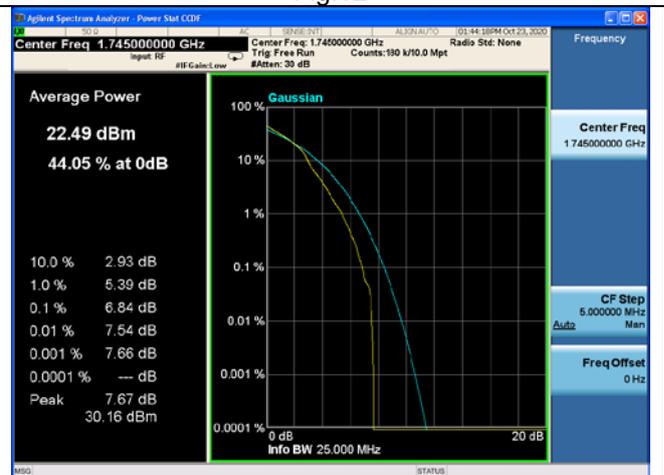


Fig.14



Fig.15

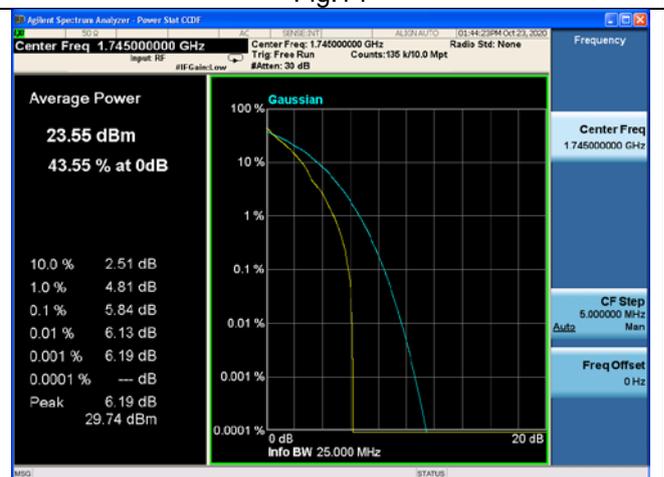


Fig.16

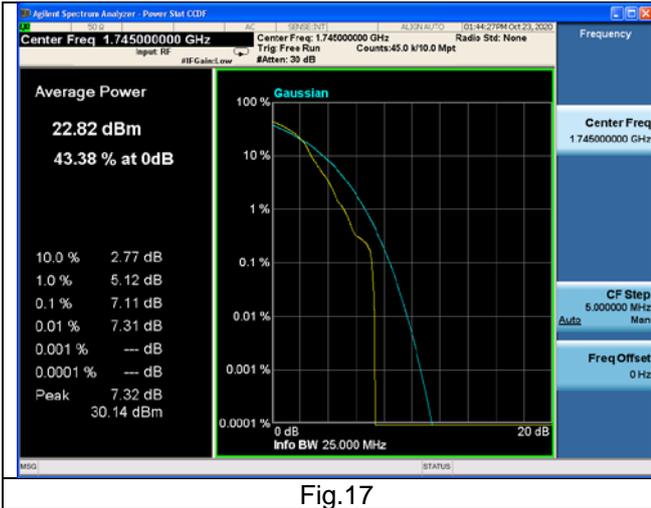


Fig.17



Fig.18