

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

RF Power Output

Rx Power Output						
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1710.7	131979	1.4	1	0	24.11
				1	5	23.73
				3	2	22.64
				6	0	22.53
	1745	132322		1	0	24.05
				1	5	24.03
				3	2	22.85
				6	0	22.70
	1779.3	132665		1	0	24.09
				1	5	24.05
				3	2	23.04
				6	0	22.98
16QAM	1710.7	131979	1.4	1	0	23.58
				1	5	23.67
				3	2	22.36
				6	0	21.68
	1745	132322		1	0	23.48
				1	5	23.50
				3	2	21.91
				6	0	21.92
	1779.3	132665		1	0	22.96
				1	5	23.11
				3	2	22.08
				6	0	22.03
64QAM	1710.7	131979	1.4	1	0	23.59
				1	5	23.58
				3	2	22.35
				6	0	21.56
	1745	132322		1	0	23.40
				1	5	23.57
				3	2	21.88
				6	0	21.86
	1779.3	132665		1	0	22.90
				1	5	23.06
				3	2	22.03
				6	0	22.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	24.15
				1	14	23.71
				8	4	22.56
				15	0	22.58
	1745	132322		1	0	23.95
				1	14	23.97
				8	4	22.83
				15	0	22.70
	1778.5	132657		1	0	24.08
				1	14	24.15
				8	4	23.05
				15	0	22.96
16QAM	1711.5	131987	3	1	0	23.63
				1	14	23.68
				8	4	22.28
				15	0	21.66
	1745	132322		1	0	23.57
				1	14	23.57
				8	4	21.81
				15	0	21.83
	1778.5	132657		1	0	23.00
				1	14	23.05
				8	4	22.13
				15	0	22.10
64QAM	1711.5	131987	3	1	0	23.60
				1	14	23.64
				8	4	22.29
				15	0	21.64
	1745	132322		1	0	23.40
				1	14	23.51
				8	4	21.91
				15	0	21.84
	1778.5	132657		1	0	22.89
				1	14	23.07
				8	4	22.12
				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	24.09
				1	24	23.77
				12	6	22.70
				25	0	22.51
	1745	132322		1	0	24.07
				1	24	24.10
				12	6	22.78
				25	0	22.67
	1777.5	132647		1	0	24.06
				1	24	24.20
				12	6	22.93
				25	0	23.01
16QAM	1712.5	131997	5	1	0	23.57
				1	24	23.63
				12	6	22.34
				25	0	21.59
	1745	132322		1	0	23.46
				1	24	23.50
				12	6	21.93
				25	0	21.92
	1777.5	132647		1	0	22.91
				1	24	22.99
				12	6	22.14
				25	0	22.05
64QAM	1712.5	131997	5	1	0	23.51
				1	24	23.63
				12	6	22.43
				25	0	21.62
	1745	132322		1	0	23.39
				1	24	23.59
				12	6	21.89
				25	0	21.94
	1777.5	132647		1	0	22.94
				1	24	23.00
				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	24.08
				1	49	23.69
				24	12	22.63
				50	0	22.57
	1745	132322		1	0	23.97
				1	49	24.05
				24	12	22.89
				50	0	22.63
	1775	132622		1	0	24.12
				1	49	24.17
				24	12	22.98
				50	0	23.07
16QAM	1715	132022	10	1	0	23.58
				1	49	23.62
				24	12	22.40
				50	0	21.62
	1745	132322		1	0	23.45
				1	49	23.52
				24	12	21.95
				50	0	21.91
	1775	132622		1	0	22.93
				1	49	23.08
				24	12	22.06
				50	0	22.14
64QAM	1715	132022	10	1	0	23.52
				1	49	23.70
				24	12	22.33
				50	0	21.70
	1745	132322		1	0	23.38
				1	49	23.63
				24	12	21.89
				50	0	21.93
	1775	132622		1	0	22.92
				1	49	23.05
				24	12	22.13
				50	0	22.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	24.14
				1	74	23.72
				40	18	22.71
				75	0	22.55
	1745	132322		1	0	24.04
				1	74	24.11
				40	18	22.79
				75	0	22.73
	1772.5	132597		1	0	24.08
				1	74	24.12
				40	18	23.01
				75	0	23.08
16QAM	1717.5	132047	15	1	0	23.65
				1	74	23.64
				40	18	22.34
				75	0	21.68
	1745	132322		1	0	23.55
				1	74	23.56
				40	18	21.83
				75	0	21.90
	1772.5	132597		1	0	23.04
				1	74	23.03
				40	18	22.06
				75	0	22.04
64QAM	1717.5	132047	15	1	0	23.58
				1	74	23.63
				40	18	22.38
				75	0	21.70
	1745	132322		1	0	23.45
				1	74	23.61
				40	18	21.84
				75	0	21.94
	1772.5	132597		1	0	22.88
				1	74	23.05
				40	18	22.10
				75	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	24.17
				1	99	23.82
				50	25	22.71
				100	0	22.58
	1745	132322		1	0	24.09
				1	99	24.12
				50	25	22.91
				100	0	22.75
	1770	132572		1	0	24.18
				1	99	24.20
				50	25	23.07
				100	0	23.08
16QAM	1720	132072	20	1	0	23.68
				1	99	23.71
				50	25	22.41
				100	0	21.70
	1745	132322		1	0	23.59
				1	99	23.62
				50	25	21.95
				100	0	21.97
	1770	132572		1	0	23.05
				1	99	23.12
				50	25	22.15
				100	0	22.14
64QAM	1720	132072	20	1	0	23.65
				1	99	23.72
				50	25	22.43
				100	0	21.71
	1745	132322		1	0	23.52
				1	99	23.63
				50	25	21.94
				100	0	21.95
	1770	132572		1	0	23.03
				1	99	23.12
				50	25	22.14
				100	0	22.12

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	1.0781	Fig.1	1.0793	Fig.2	1.0821	Fig.3
	1745	132322		6	0	1.0773	Fig.4	1.0743	Fig.5	1.0795	Fig.6
	1779.3	132665		6	0	1.0809	Fig.7	1.0780	Fig.8	1.0765	Fig.9
	1711.5	131987	3	15	0	2.7094	Fig.10	2.7085	Fig.11	2.7128	Fig.12
	1745	132322		15	0	2.7080	Fig.13	2.6978	Fig.14	2.7019	Fig.15
	1778.5	132657		15	0	2.7103	Fig.16	2.7070	Fig.17	2.7035	Fig.18
	1712.5	131997	5	25	0	4.4831	Fig.19	4.4847	Fig.20	4.4836	Fig.21
	1745	132322		25	0	4.4854	Fig.a22	4.4798	Fig.23	4.4868	Fig.24
	1777.5	132647		25	0	4.4872	Fig.25	4.4829	Fig.26	4.4756	Fig.27
	1715	132022	10	50	0	8.9541	Fig.28	8.9443	Fig.29	8.9750	Fig.30
	1745	132322		50	0	8.9556	Fig.31	8.9652	Fig.32	8.9652	Fig.33
	1775	132622		50	0	8.9440	Fig.34	8.9366	Fig.35	8.9469	Fig.36
	1717.5	132047	15	75	0	13.405	Fig.37	13.409	Fig.38	13.442	Fig.39
	1745	132322		75	0	13.444	Fig.40	13.449	Fig.41	13.418	Fig.42
	1772.5	132597		75	0	13.442	Fig.43	13.396	Fig.44	13.416	Fig.45
	1720	132072	20	100	0	17.905	Fig.46	17.923	Fig.47	17.899	Fig.48
	1745	132322		100	0	17.912	Fig.49	17.902	Fig.50	17.869	Fig.51
	1770	132572		100	0	17.898	Fig.52	17.916	Fig.53	17.870	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	1.226	Fig.1	1.222	Fig.2	1.219	Fig.3
	1745	132322		6	0	1.218	Fig.4	1.226	Fig.5	1.216	Fig.6
	1779.3	132665		6	0	1.223	Fig.7	1.229	Fig.8	1.213	Fig.9
	1711.5	131987	3	15	0	3.027	Fig.10	3.031	Fig.11	3.029	Fig.12
	1745	132322		15	0	3.028	Fig.13	3.036	Fig.14	3.034	Fig.15
	1778.5	132657		15	0	3.028	Fig.16	3.052	Fig.17	3.052	Fig.18
	1712.5	131997	5	25	0	4.909	Fig.19	4.920	Fig.20	4.913	Fig.21
	1745	132322		25	0	4.911	Fig.a22	4.896	Fig.23	4.842	Fig.24
	1777.5	132647		25	0	4.898	Fig.25	4.881	Fig.26	4.892	Fig.27
	1715	132022	10	50	0	9.727	Fig.28	9.755	Fig.29	9.635	Fig.30
	1745	132322		50	0	9.739	Fig.31	9.684	Fig.32	9.697	Fig.33
	1775	132622		50	0	9.766	Fig.34	9.775	Fig.35	9.698	Fig.36
	1717.5	132047	15	75	0	14.57	Fig.37	14.38	Fig.38	14.57	Fig.39
	1745	132322		75	0	14.61	Fig.40	14.55	Fig.41	14.43	Fig.42
	1772.5	132597		75	0	14.64	Fig.43	14.66	Fig.44	14.66	Fig.45
	1720	132072	20	100	0	19.43	Fig.46	19.24	Fig.47	19.23	Fig.48
	1745	132322		100	0	19.32	Fig.49	19.21	Fig.50	19.38	Fig.51
	1770	132572		100	0	19.39	Fig.52	19.29	Fig.53	19.24	Fig.54

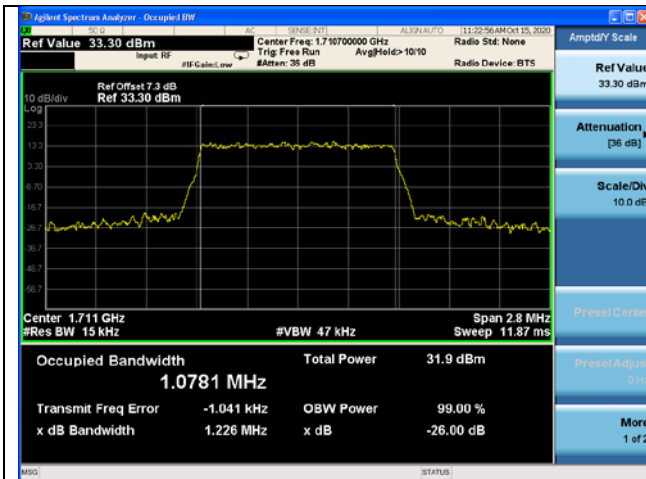


Fig.1

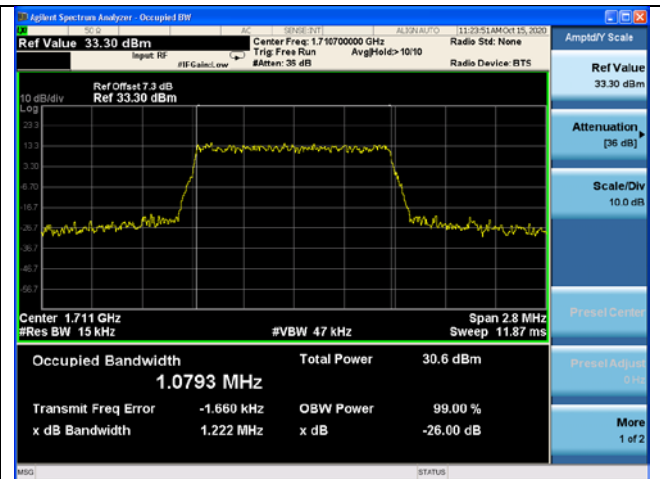


Fig.2

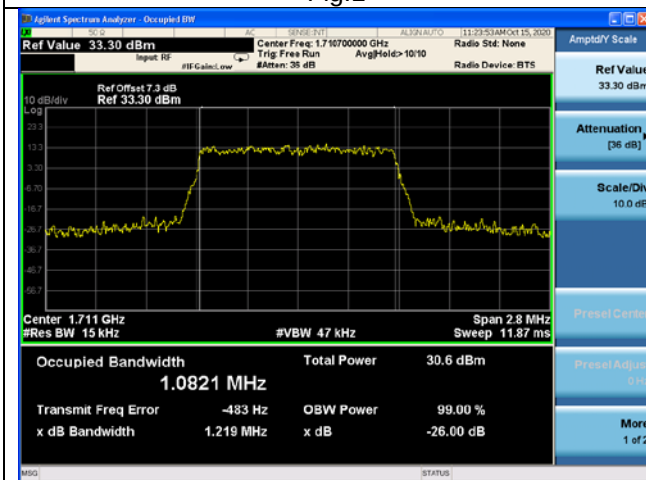


Fig.3

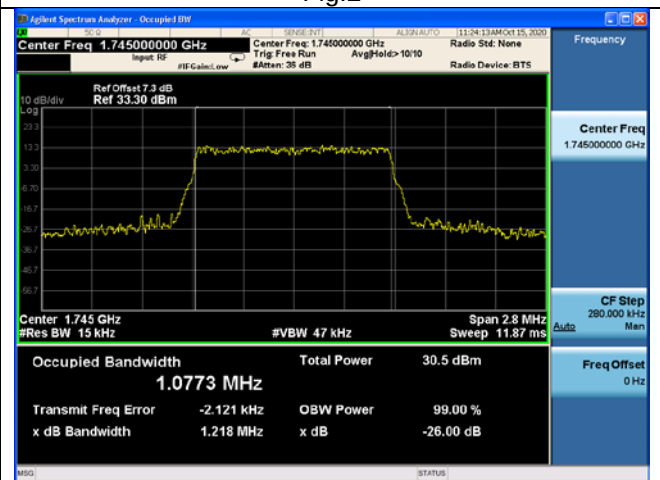


Fig.4

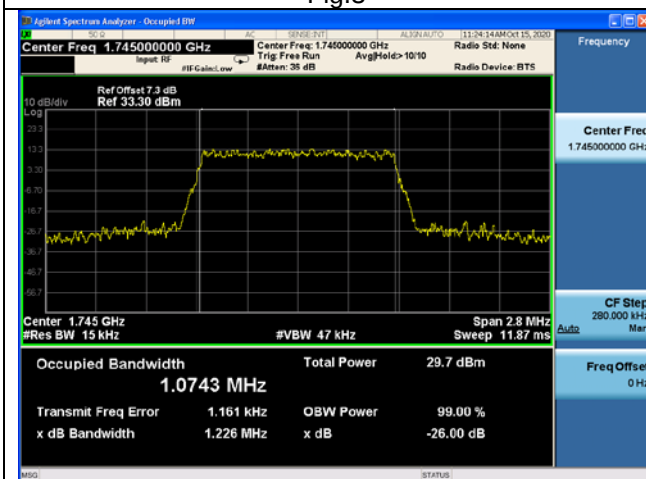


Fig.5

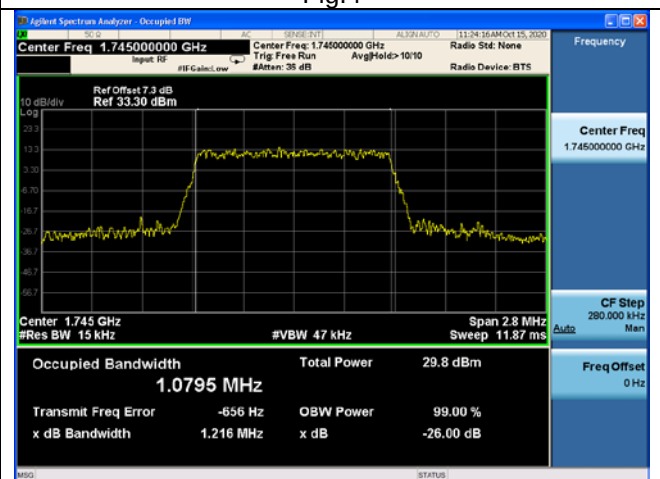


Fig.6

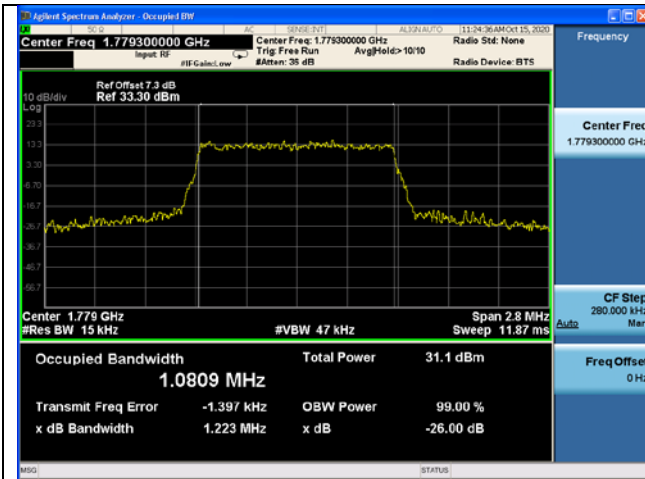


Fig.7

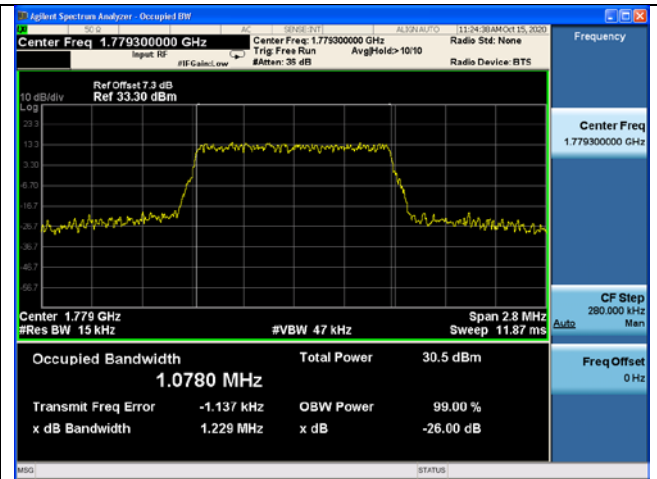


Fig.8

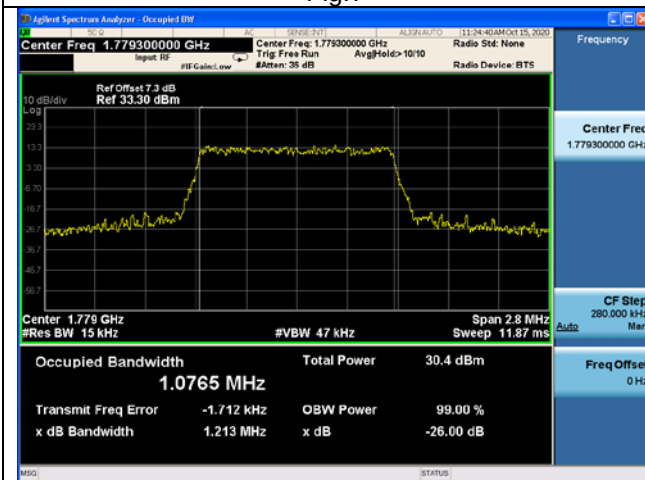


Fig.9

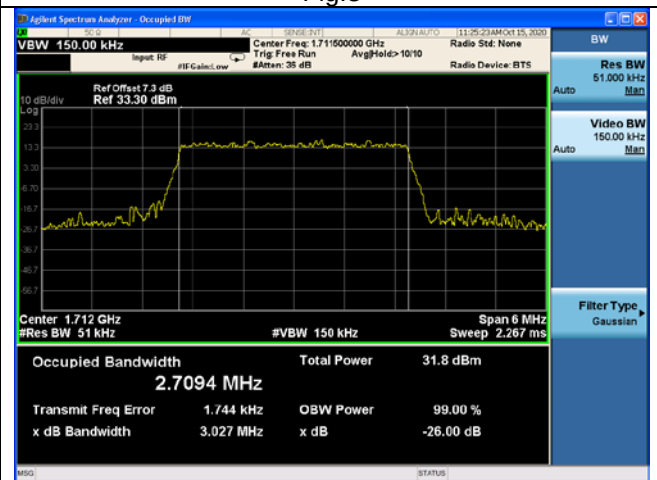


Fig.10

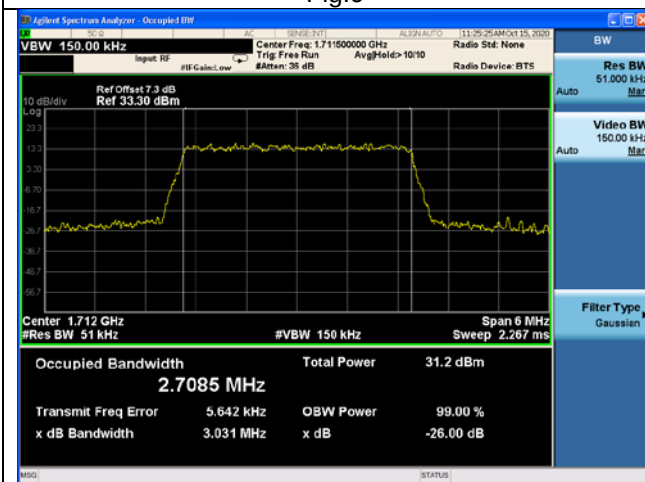


Fig.11

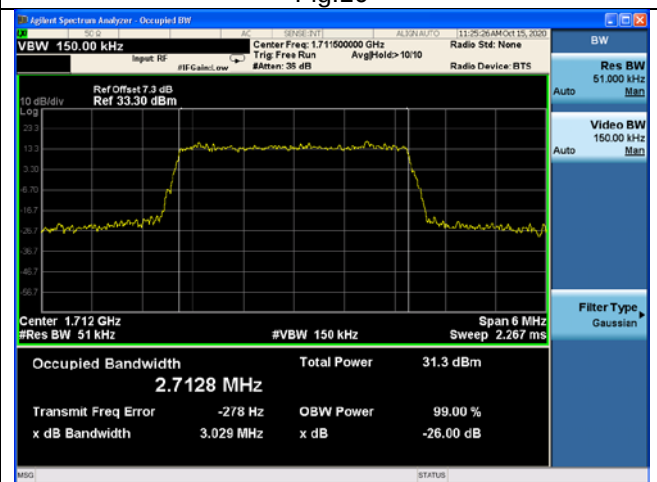


Fig.12

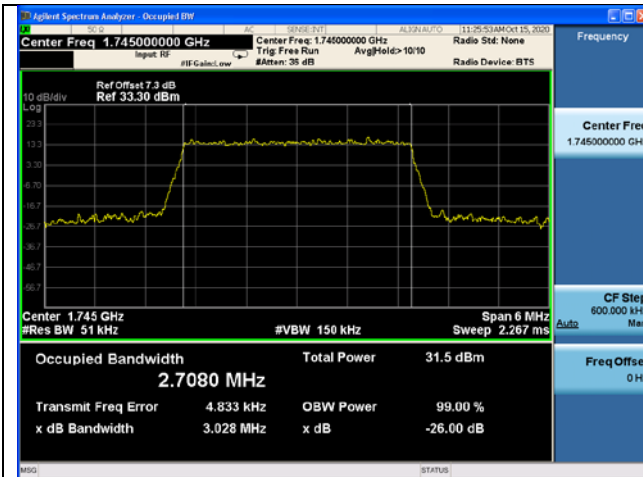


Fig.13

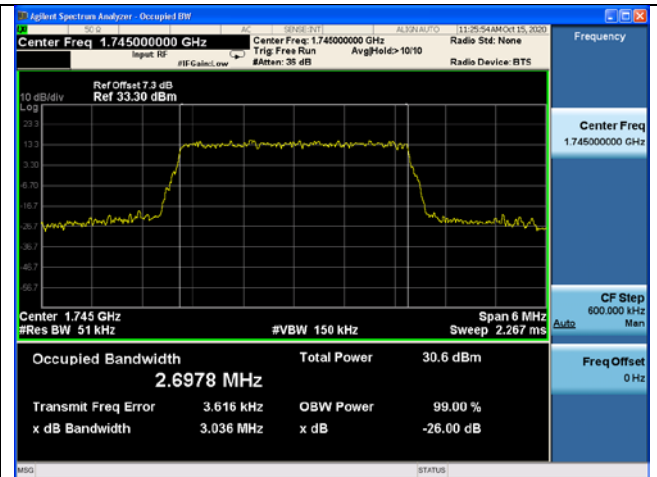


Fig.14

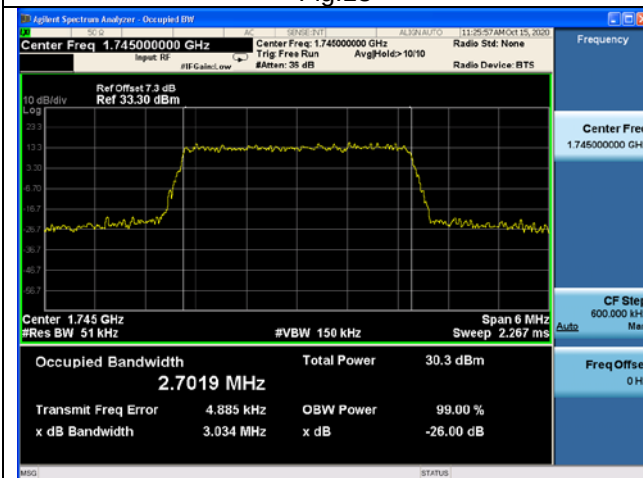


Fig.15

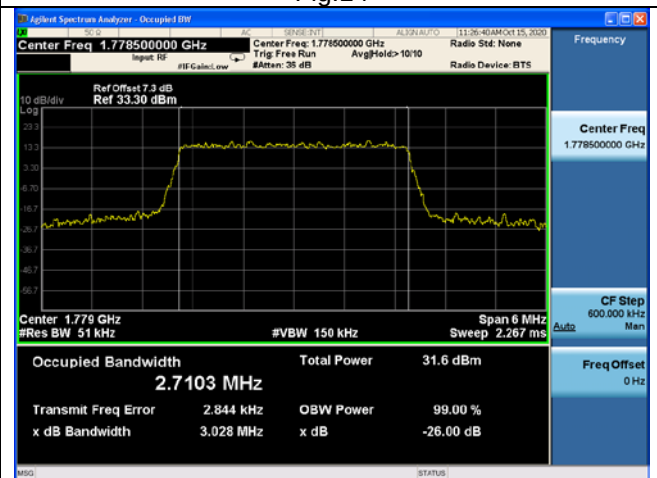


Fig.16

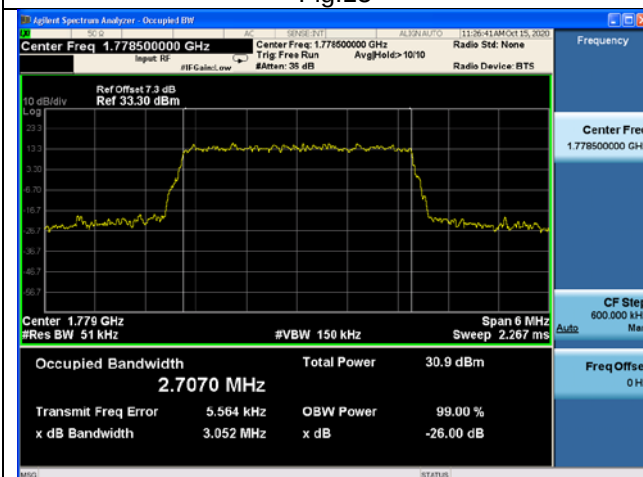


Fig.17

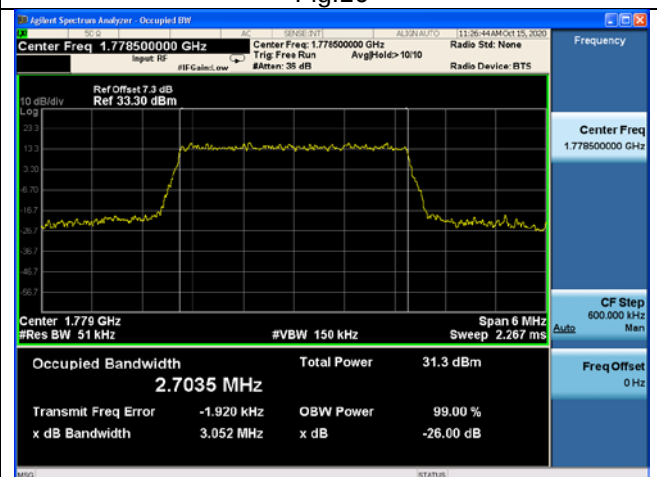


Fig.18

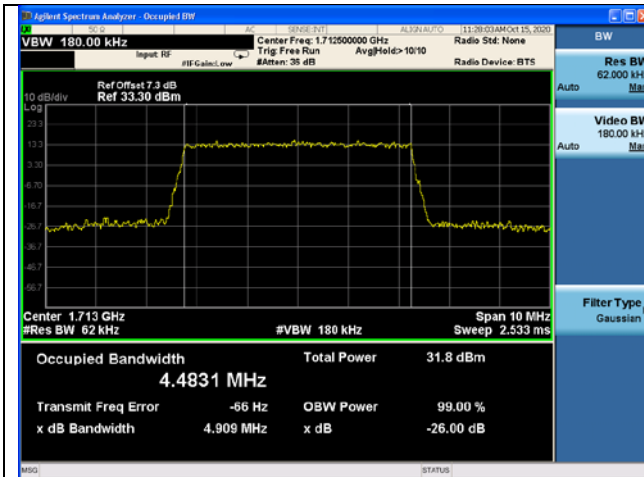


Fig.19

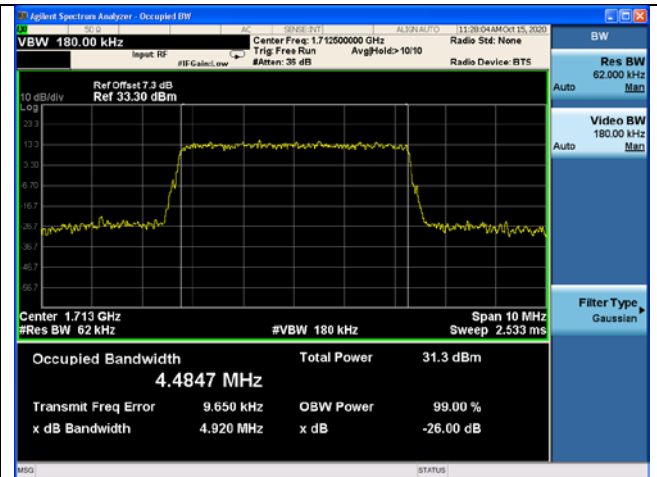


Fig.20

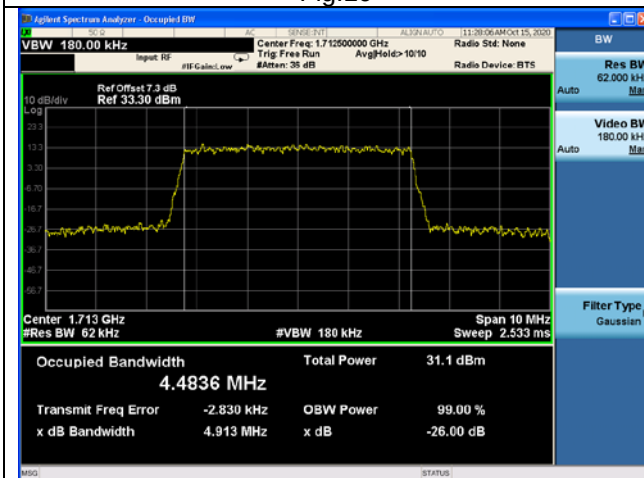


Fig.21

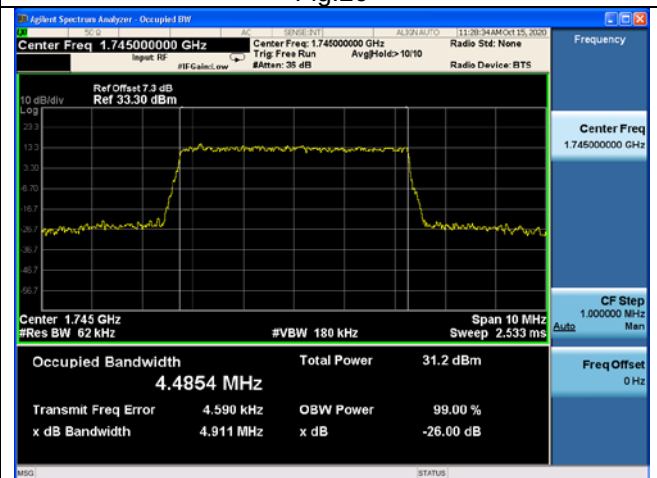


Fig.22

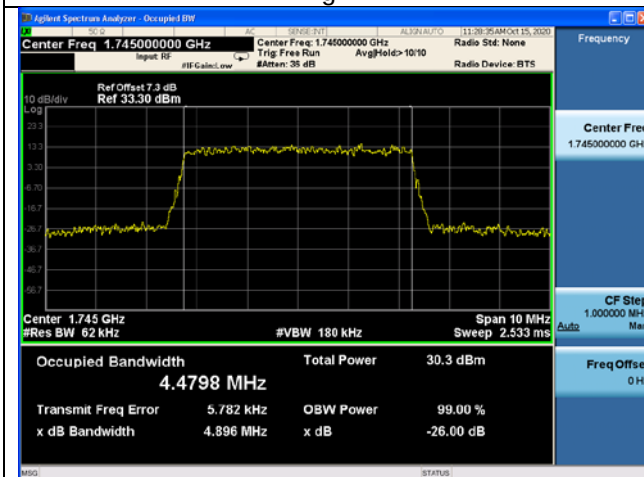


Fig.23

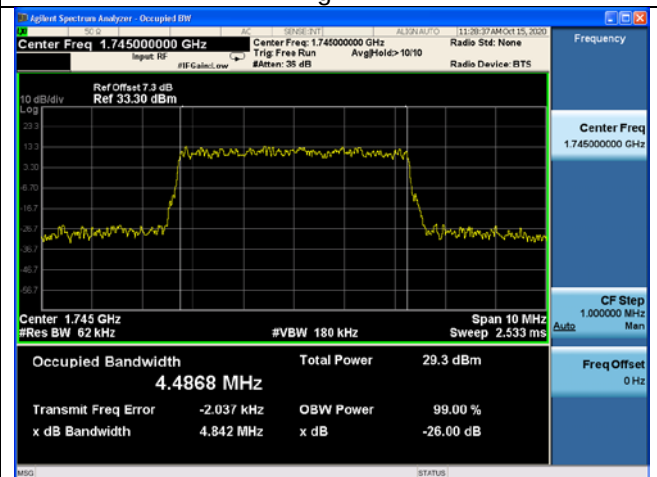


Fig.24

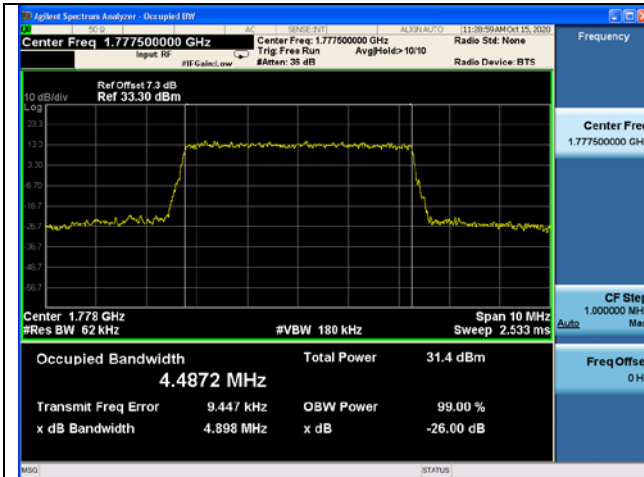


Fig.25

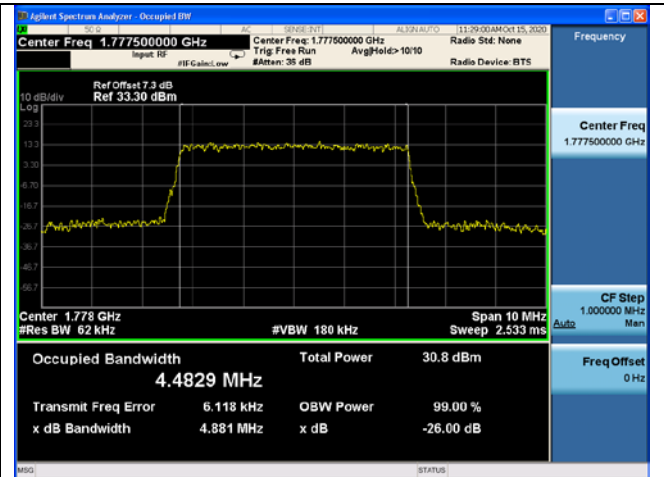


Fig.26

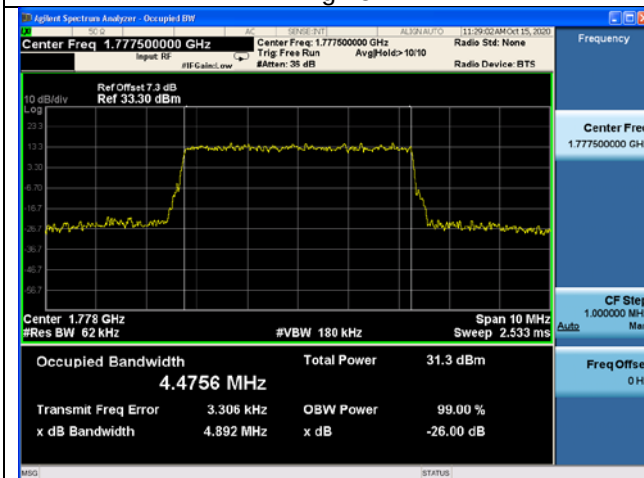


Fig.27

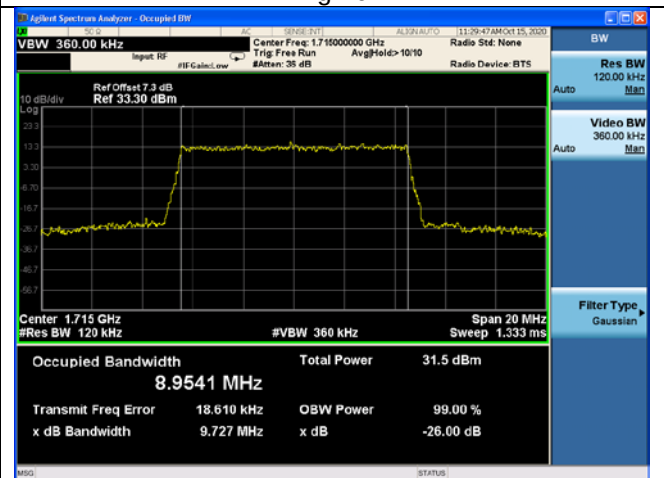


Fig.28

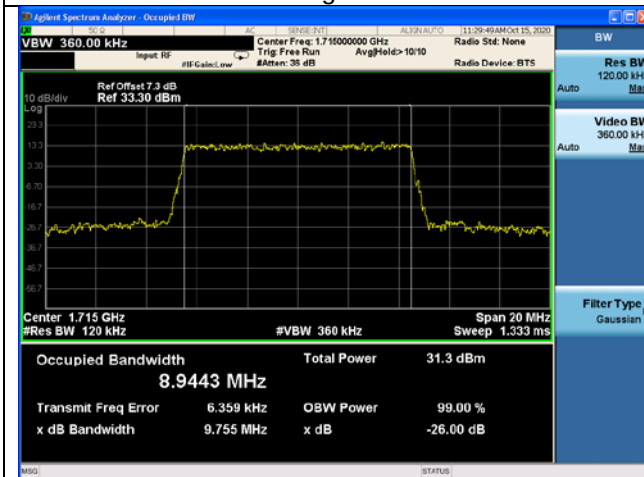


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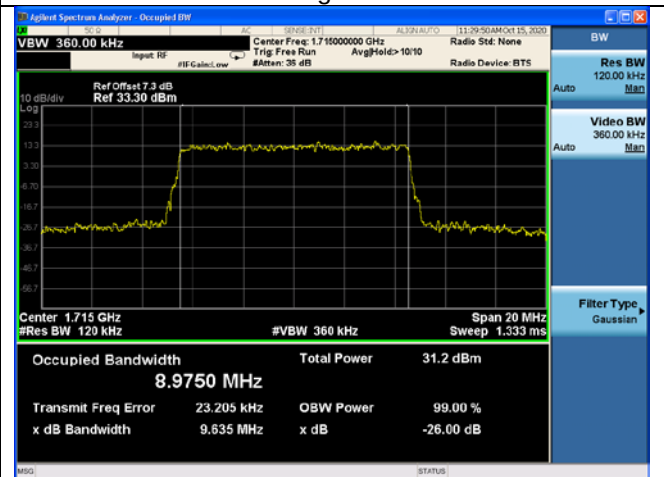


Fig.30

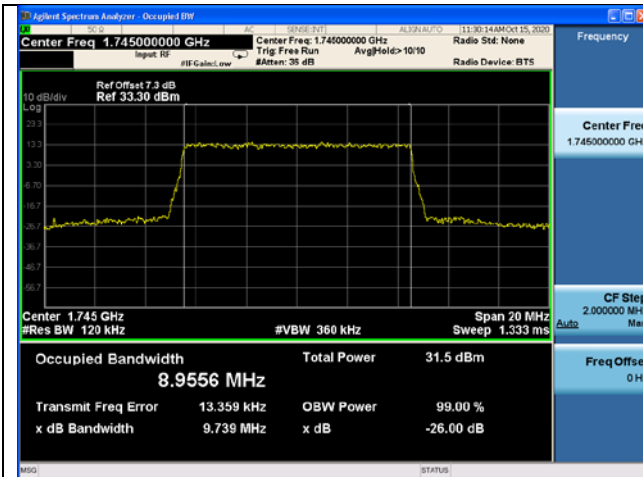


Fig.31

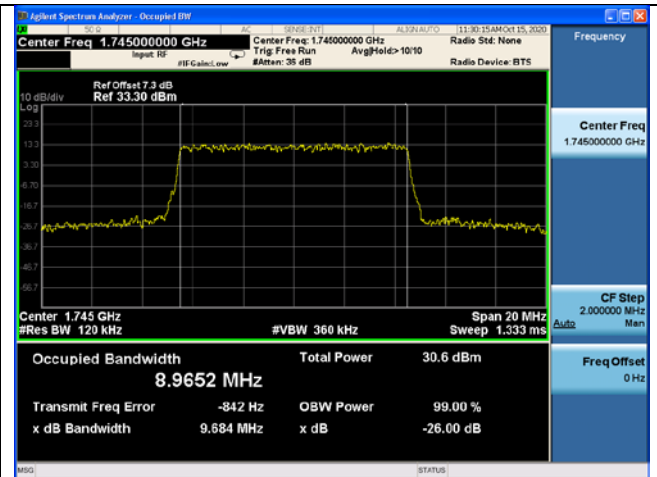


Fig.32

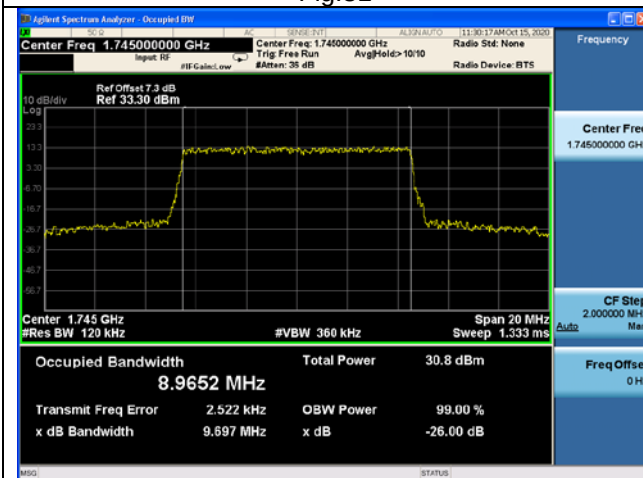


Fig.33

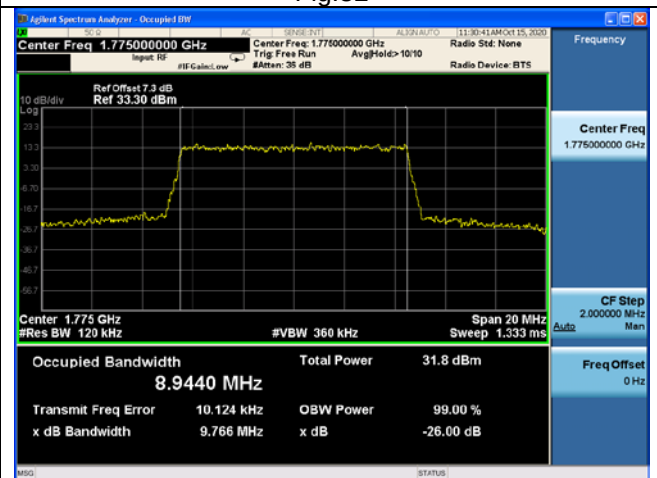


Fig.34

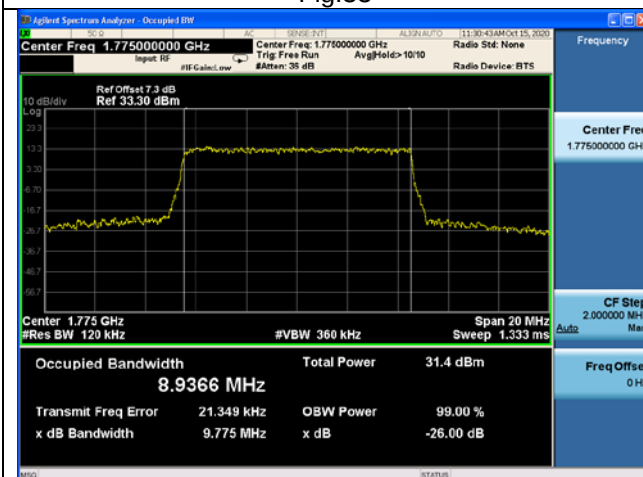


Fig.35

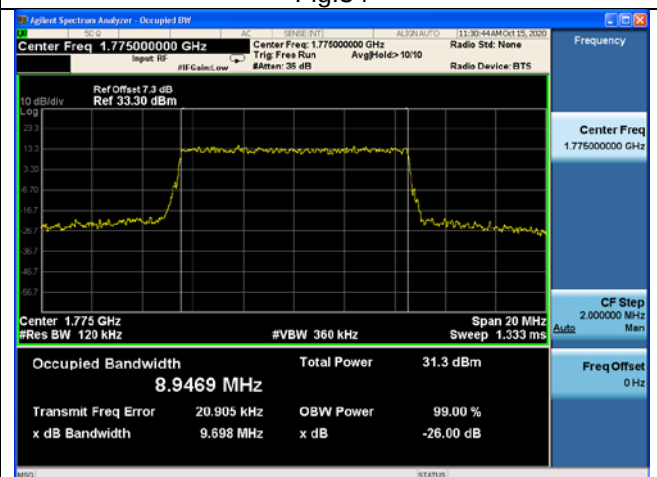


Fig.36

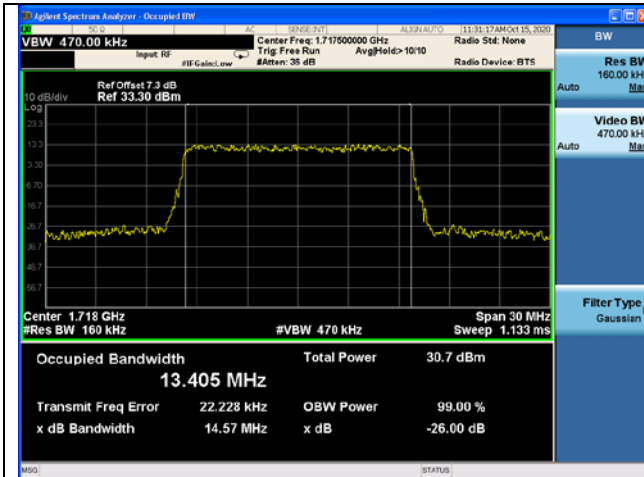


Fig.37

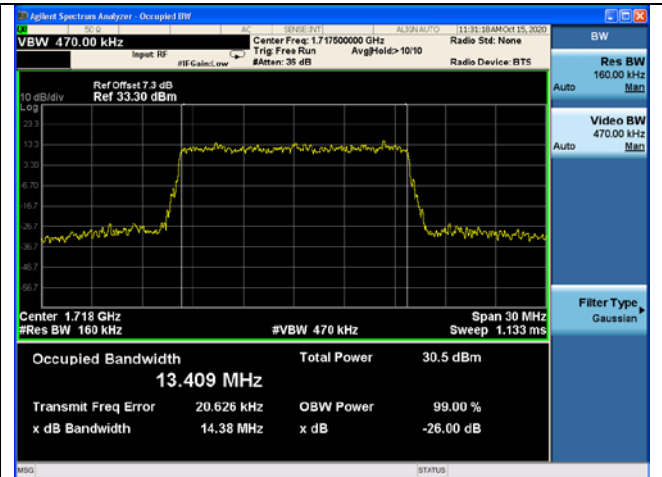


Fig.38

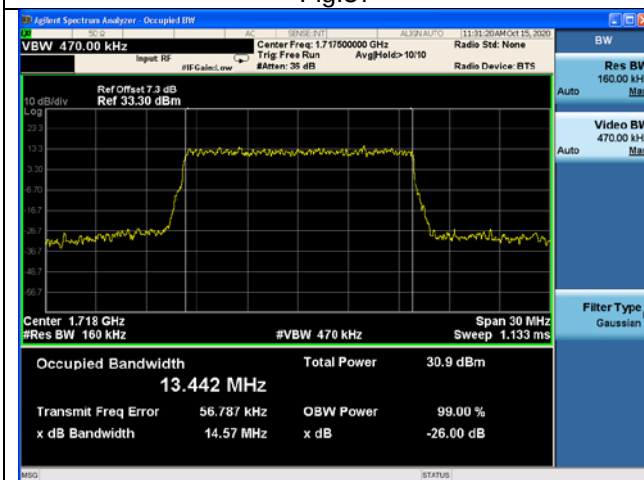


Fig.39

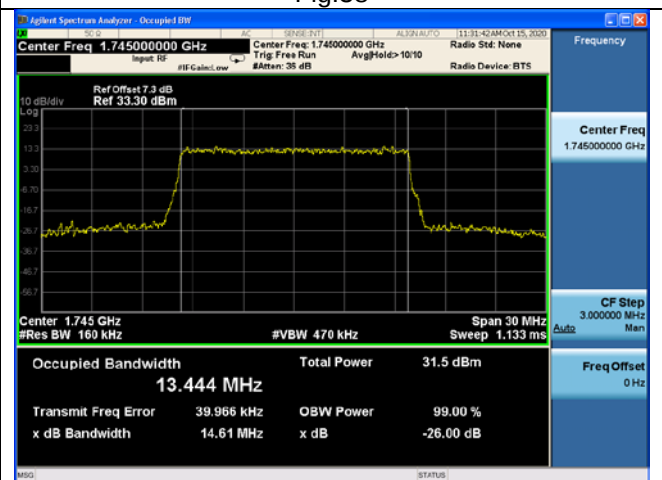


Fig.40

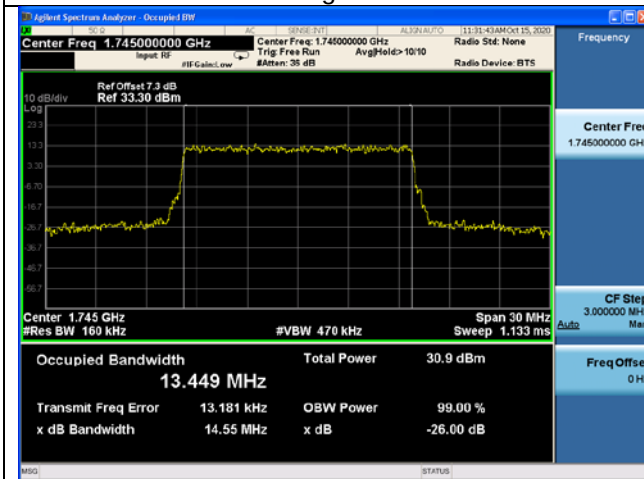


Fig.41

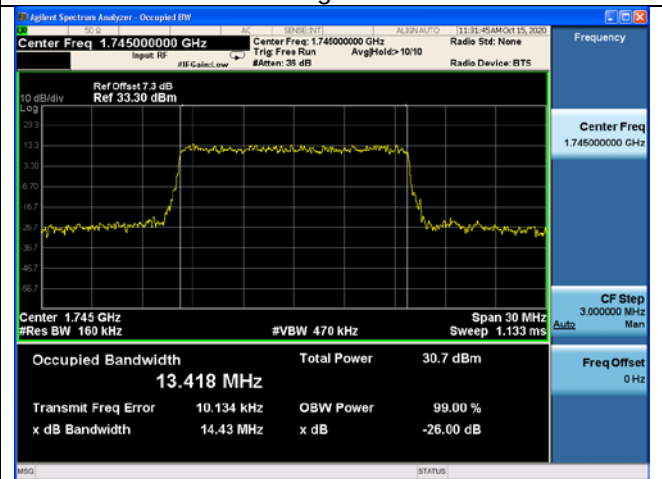


Fig.42

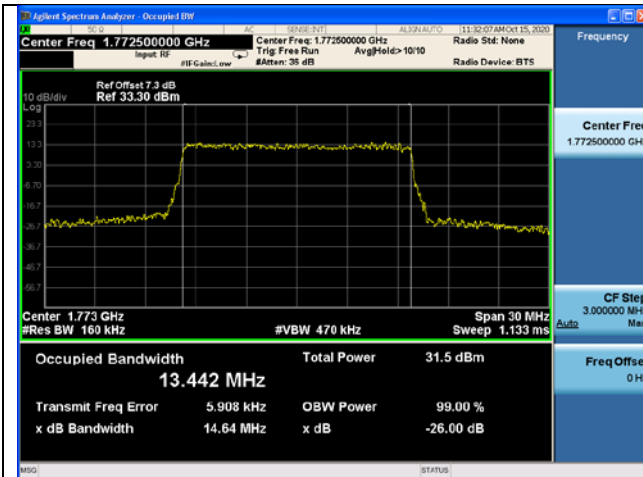


Fig.43

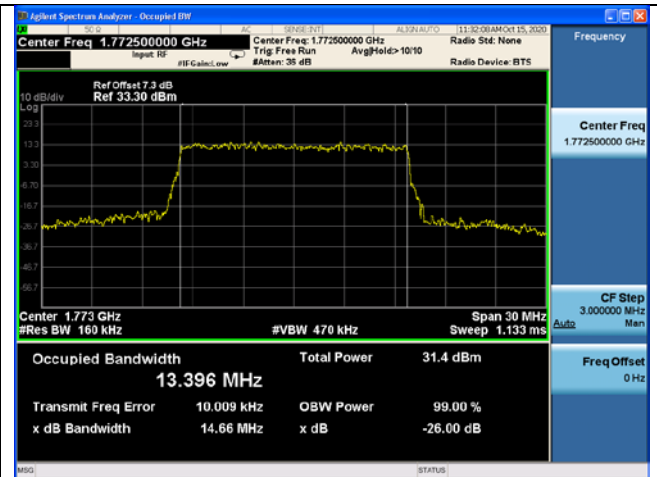


Fig.44

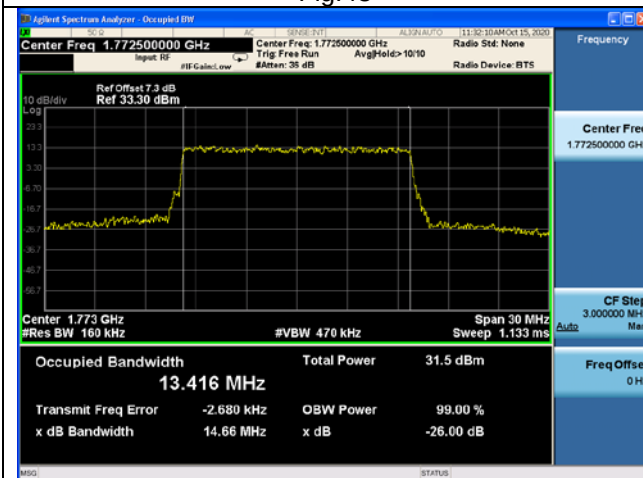


Fig.45

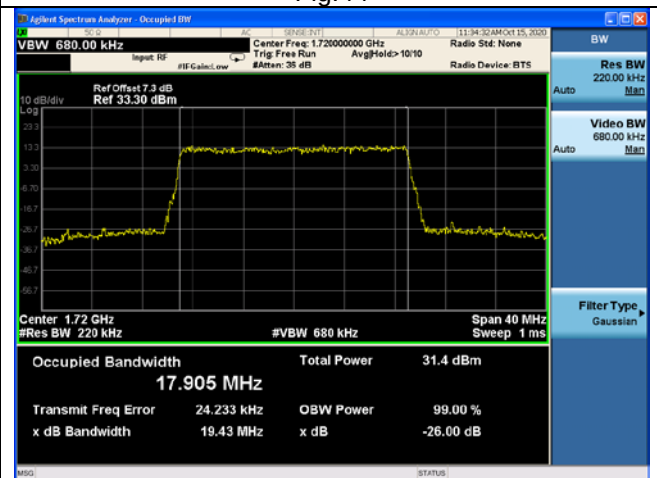


Fig.46

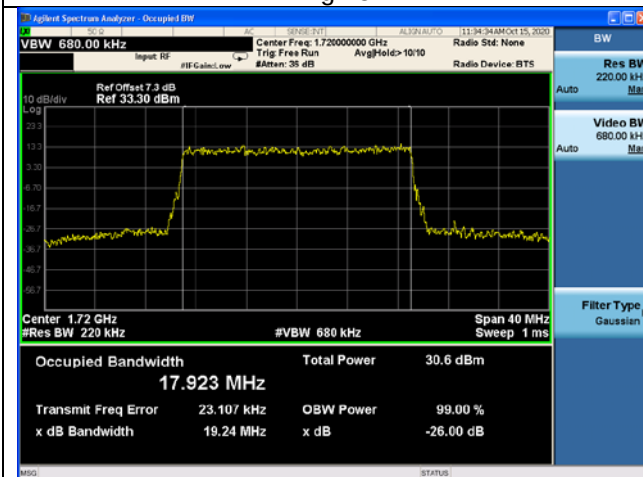


Fig.47

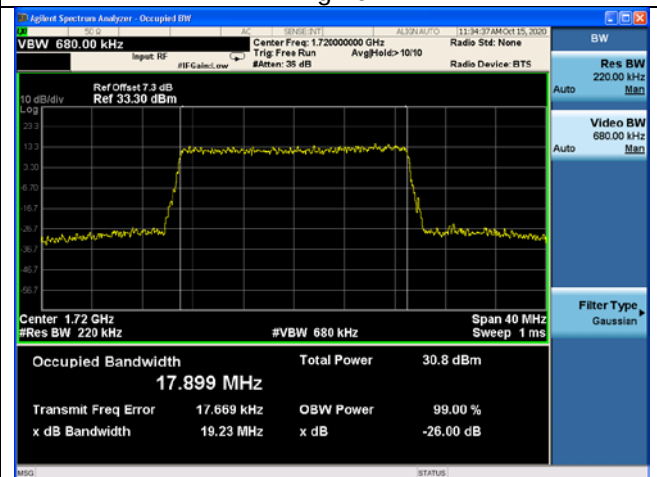


Fig.48

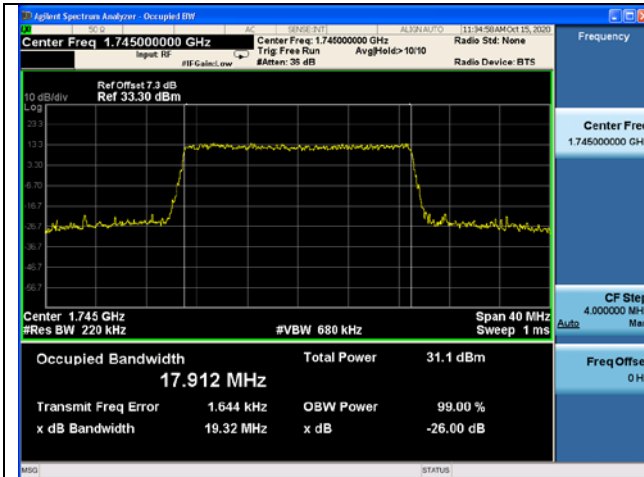


Fig.49

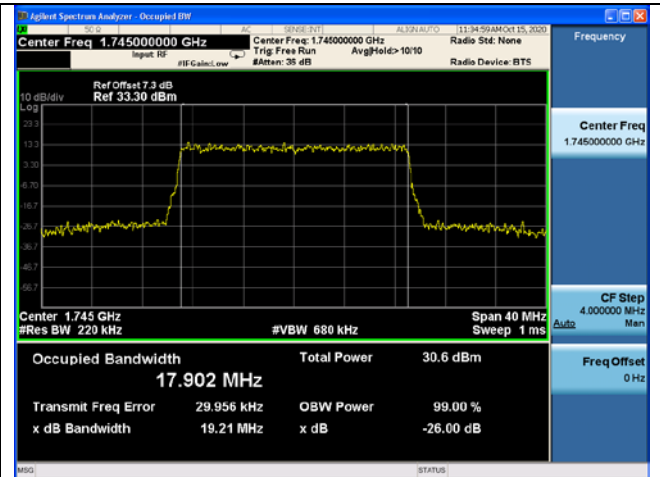


Fig.50

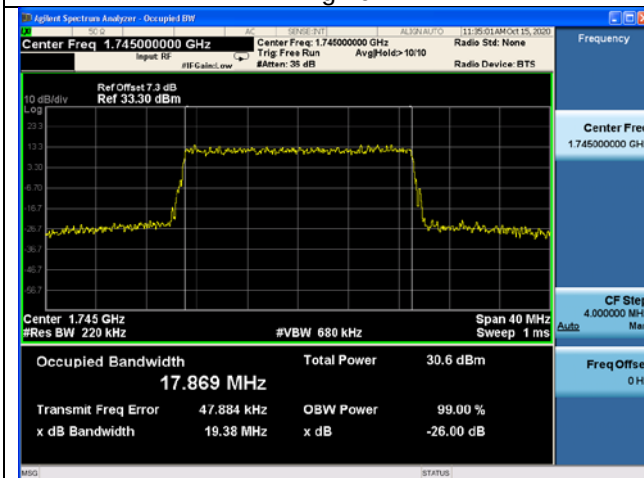


Fig.51

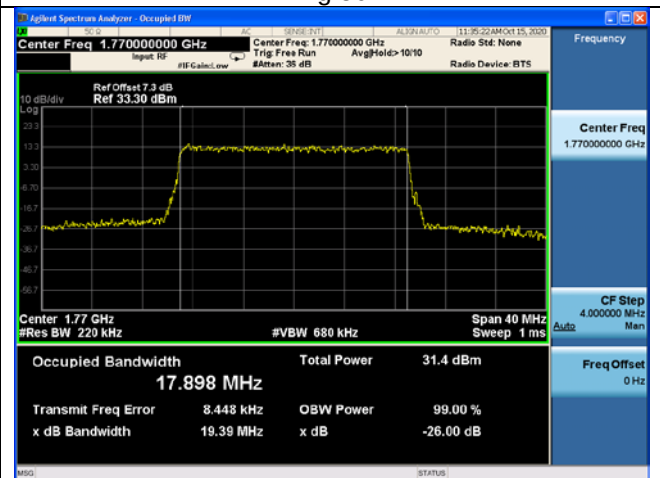


Fig.52

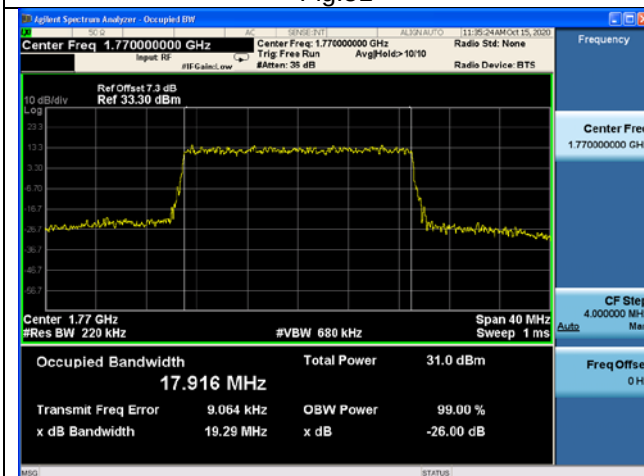


Fig.53

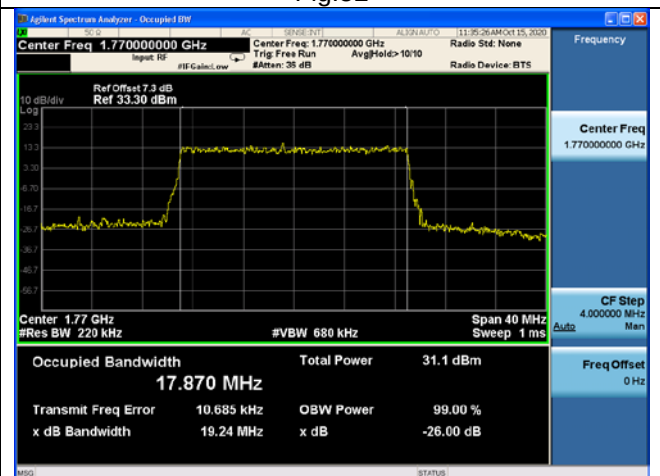
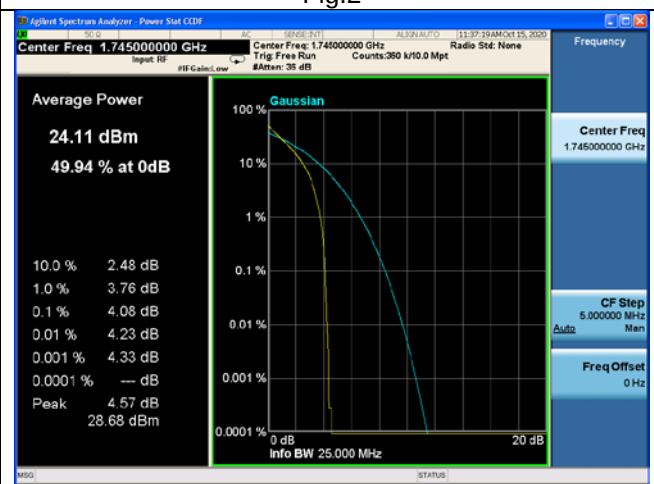
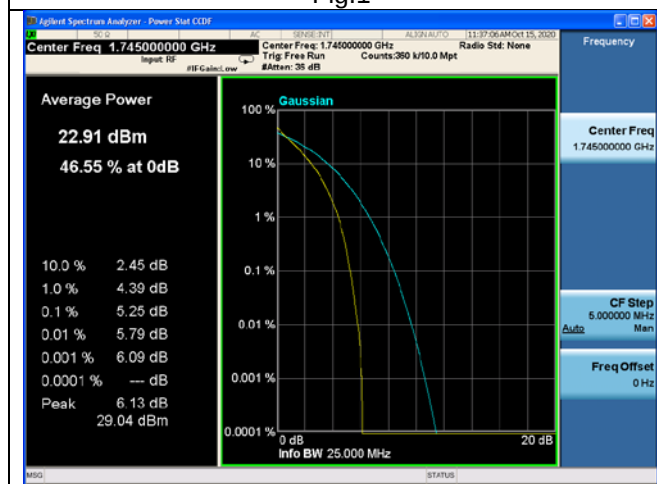
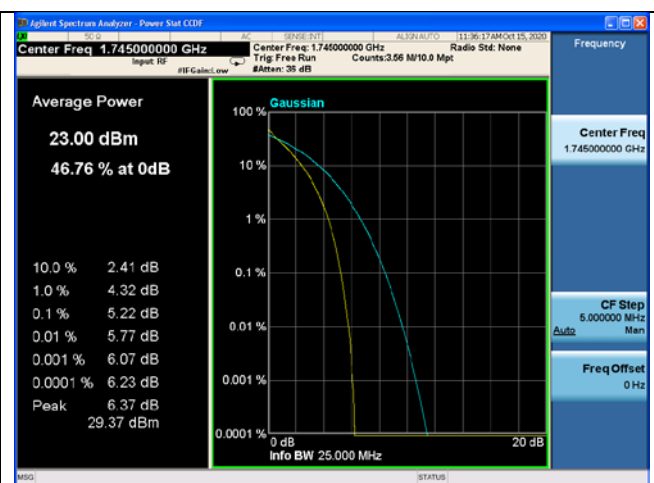
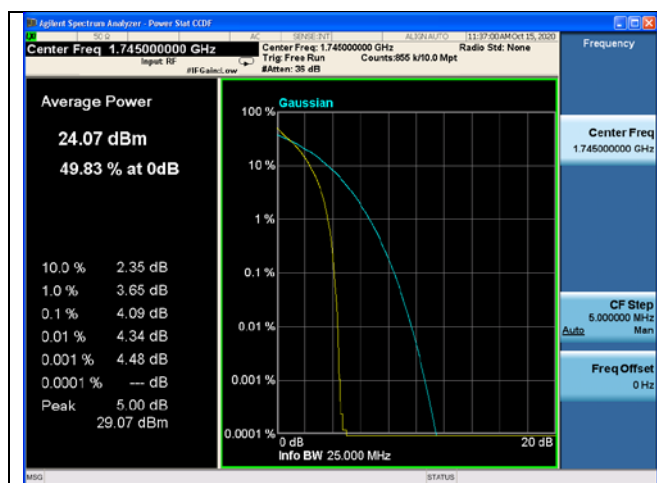


Fig.54

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



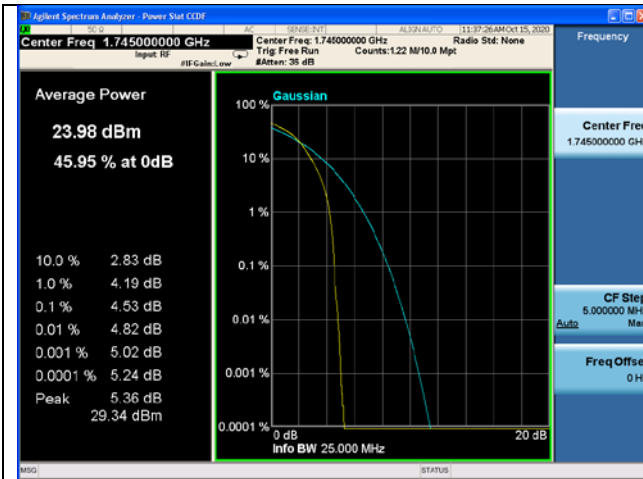


Fig.5

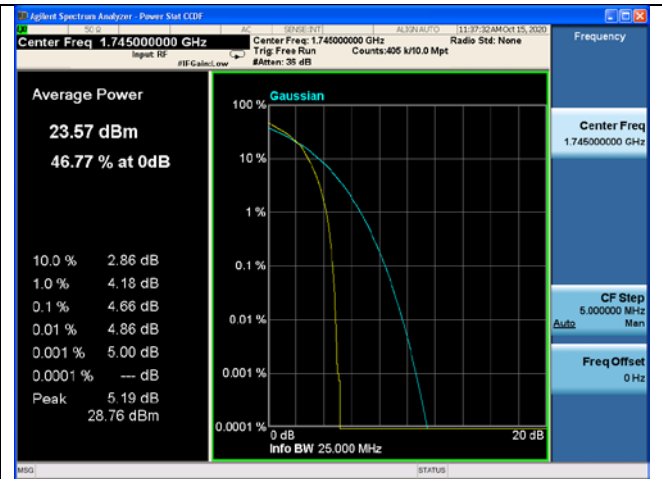


Fig.6

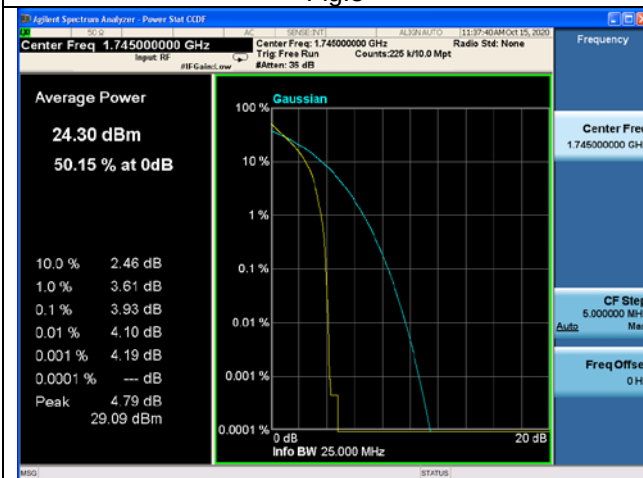


Fig.7

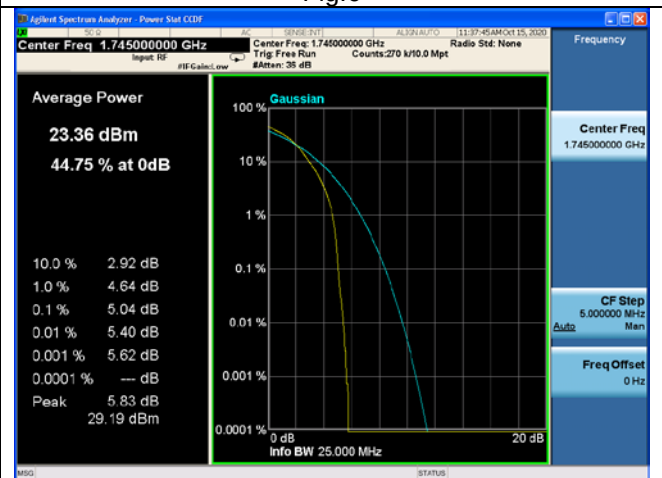


Fig.8

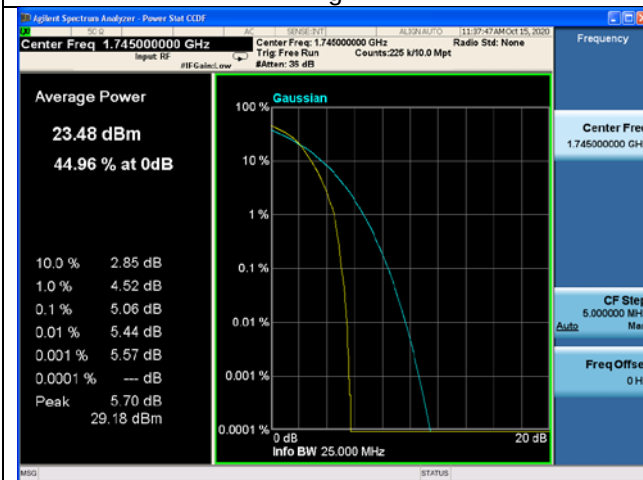


Fig.9

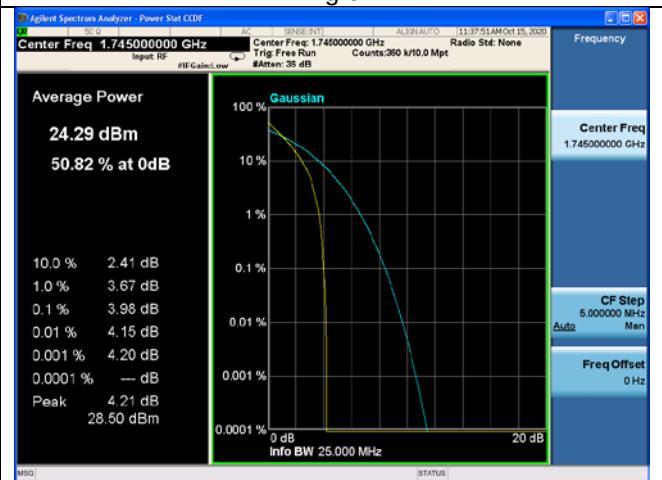
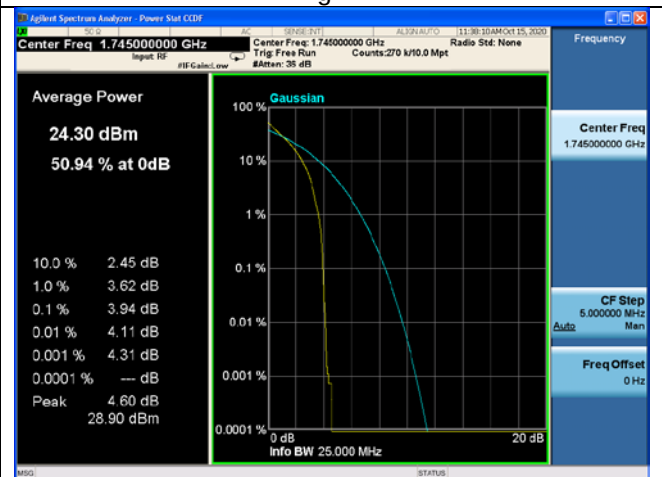
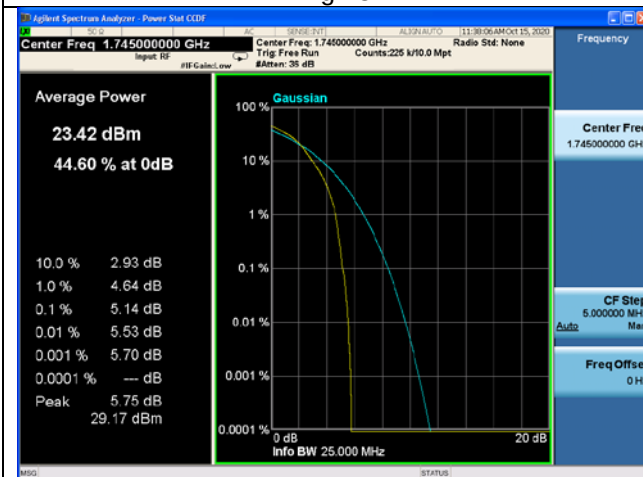
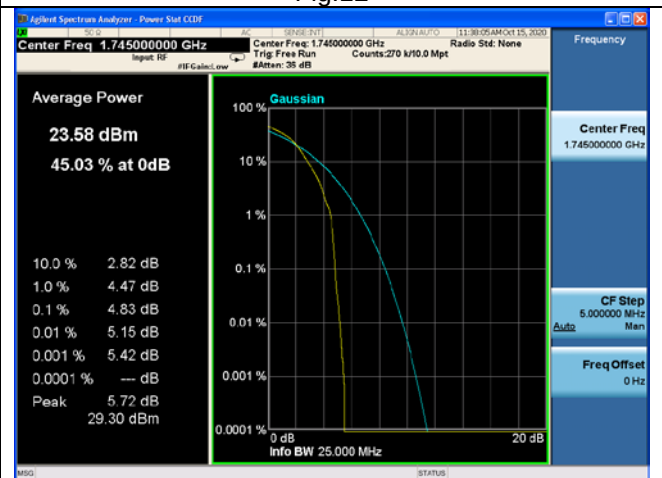
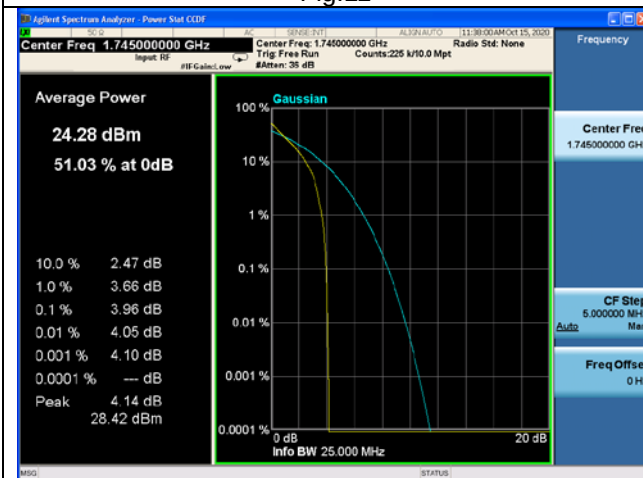
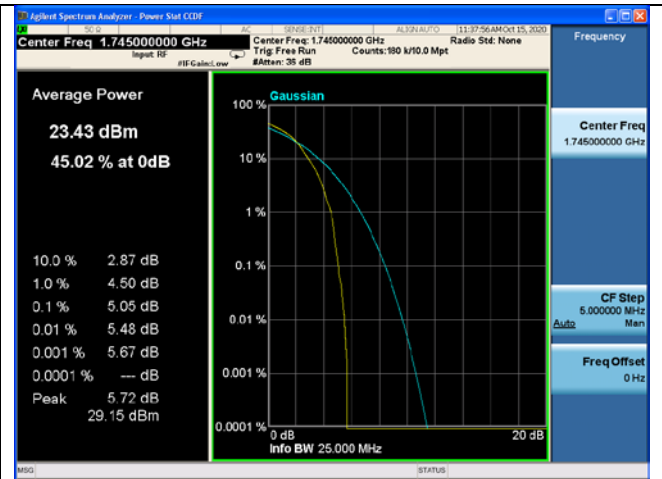
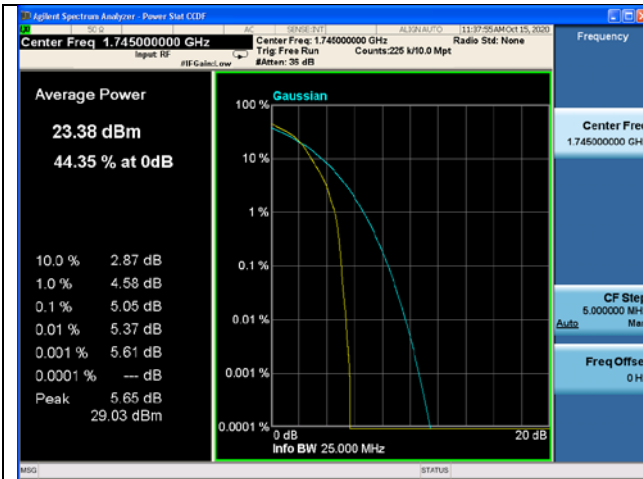


Fig.10



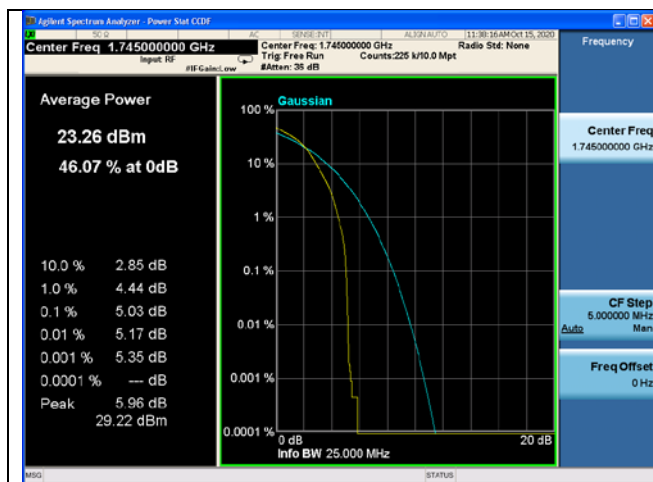


Fig.17

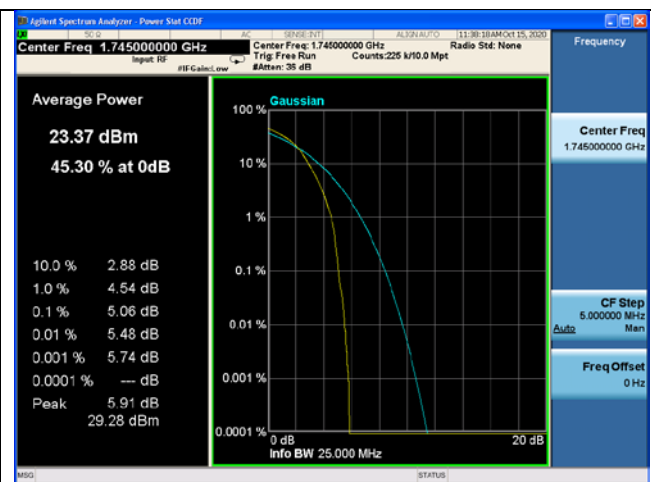


Fig.18