

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	24.11		
				1	5	23.73		
				3	2	22.64		
	1745	132322		6	0	22.53		
				1	0	24.05		
				1	5	24.03		
	1779.3	132665		3	2	22.85		
				6	0	22.70		
				1	0	24.09		
	16QAM	1710.7		131979	1.4	1	5	24.05
						3	2	23.04
						6	0	22.98
1745		132322	1	0		23.58		
			1	5		23.67		
			3	2		22.36		
1779.3		132665	6	0		21.68		
			1	0		23.48		
			1	5		23.50		
64QAM		1710.7	131979	1.4		3	2	21.91
						6	0	21.92
						1	0	22.96
	1745	132322	1		5	23.11		
			3		2	22.08		
			6		0	22.03		
	1779.3	132665	1		0	23.59		
			1		5	23.58		
			3		2	22.35		
64QAM	1710.7	131979	1.4	6	0	21.56		
				1	0	23.40		
				1	5	23.57		
	1745	132322		3	2	21.88		
				6	0	21.86		
				1	0	22.90		
	1779.3	132665		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	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	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

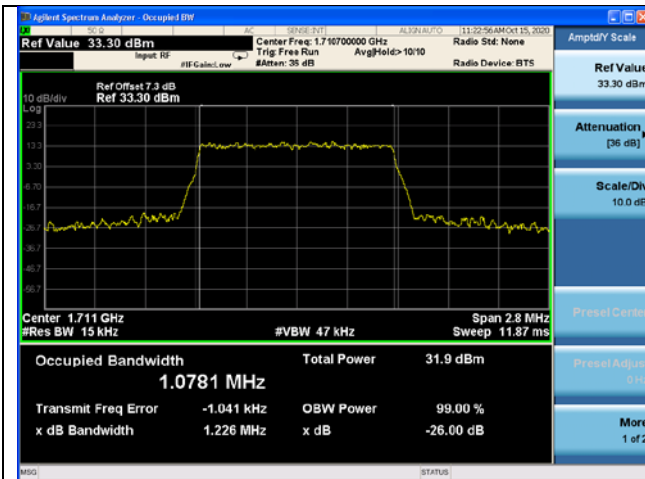


Fig.1

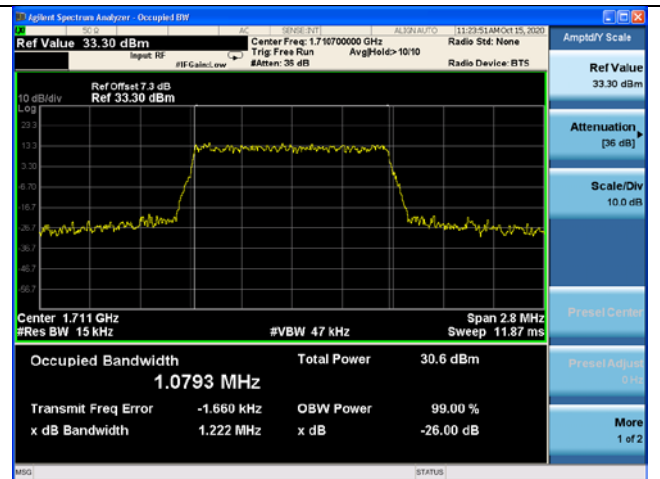


Fig.2

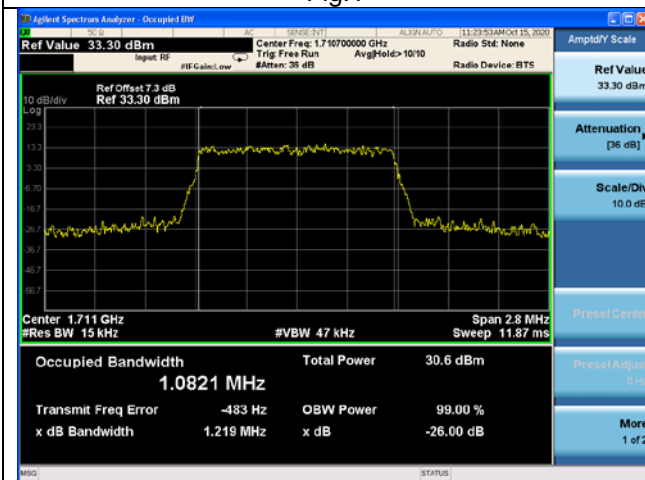


Fig.3

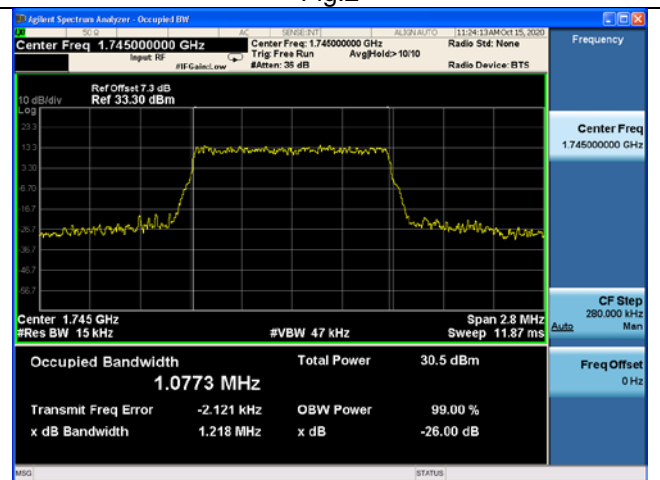


Fig.4

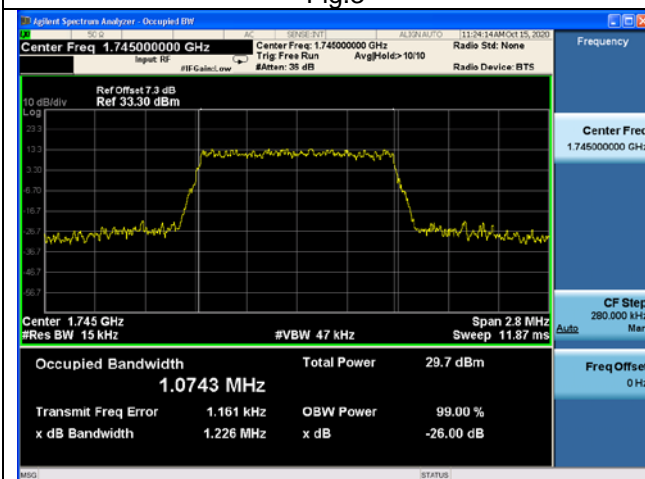


Fig.5

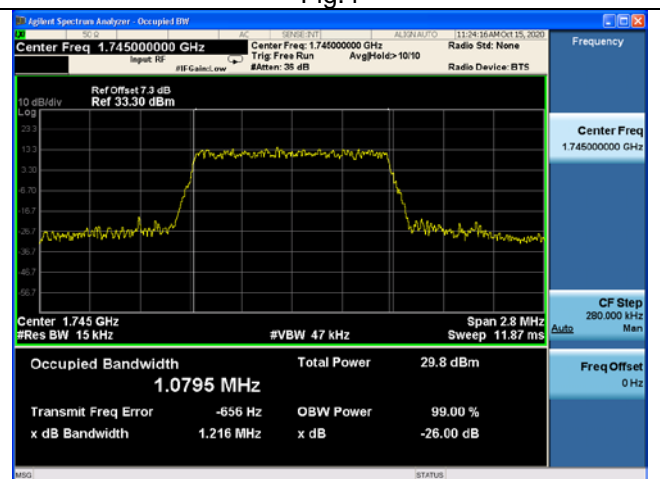


Fig.6

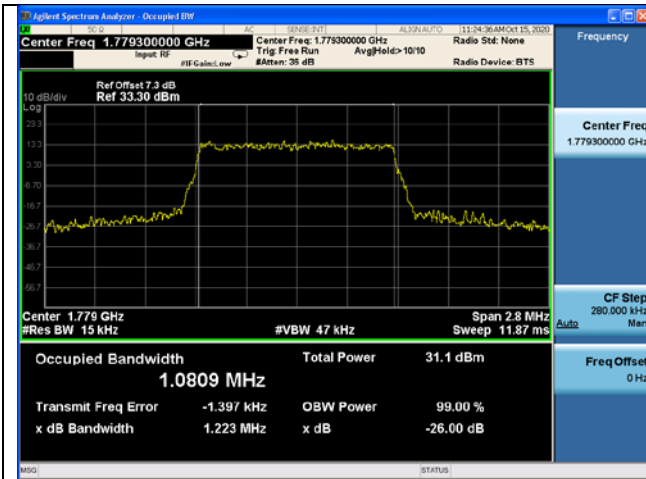


Fig.7

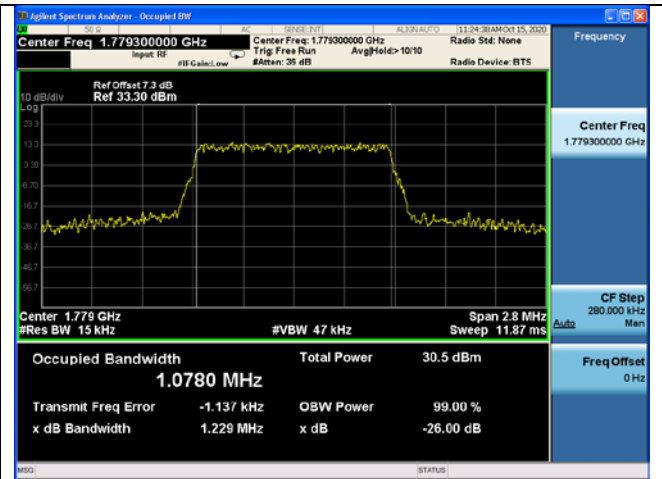


Fig.8

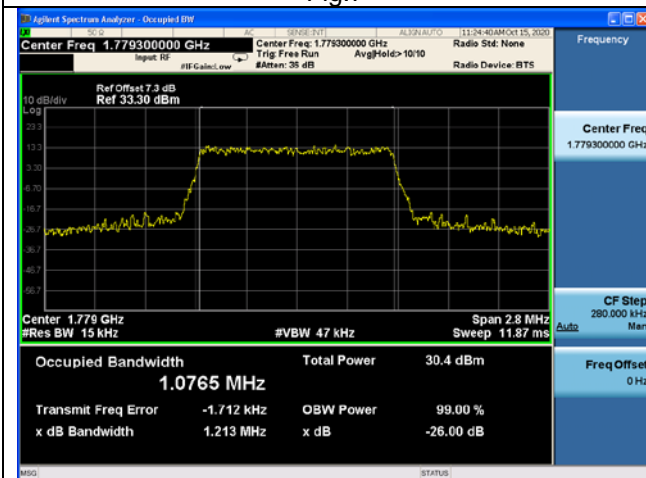


Fig.9

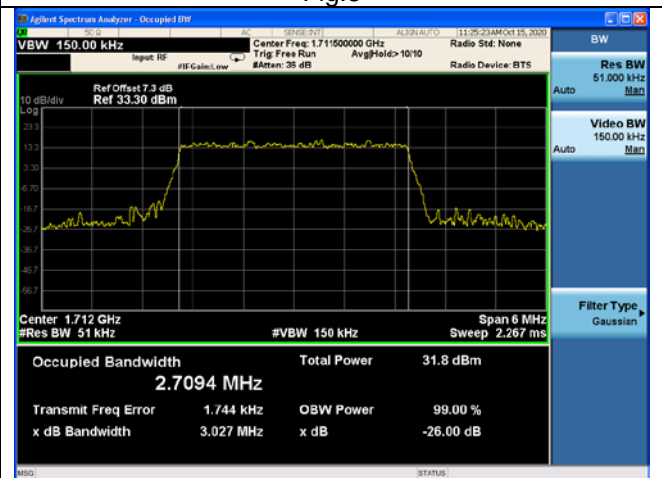


Fig.10

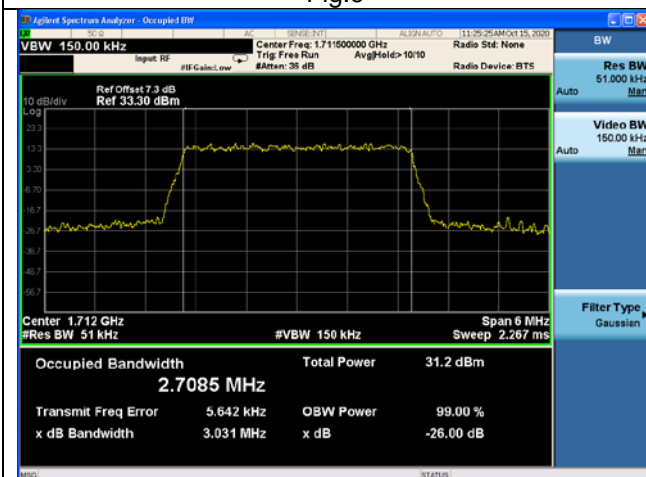


Fig.11

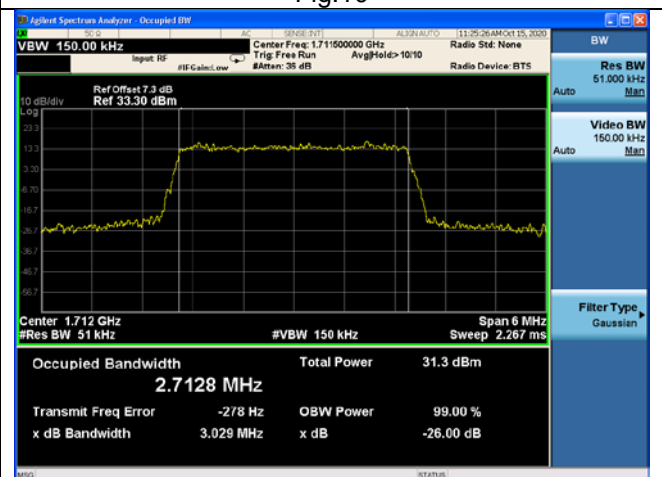


Fig.12

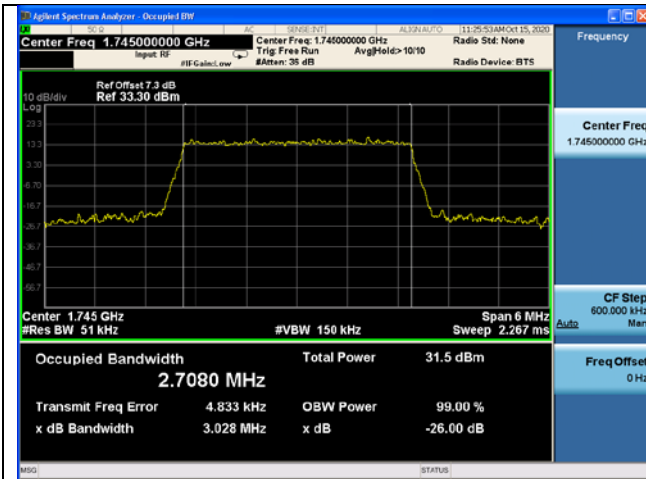


Fig.13

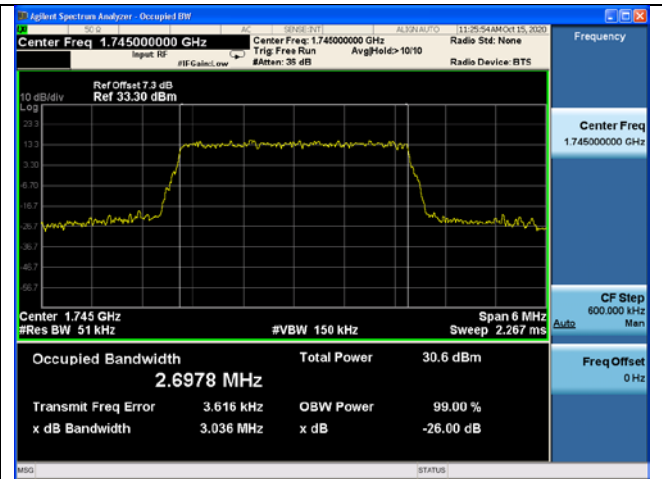


Fig.14

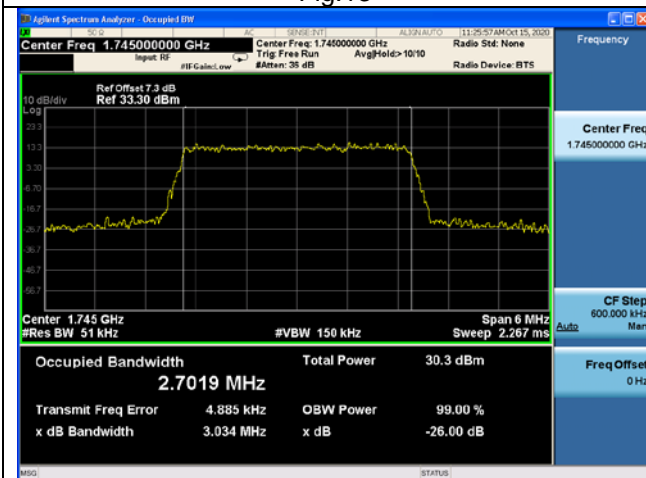


Fig.15

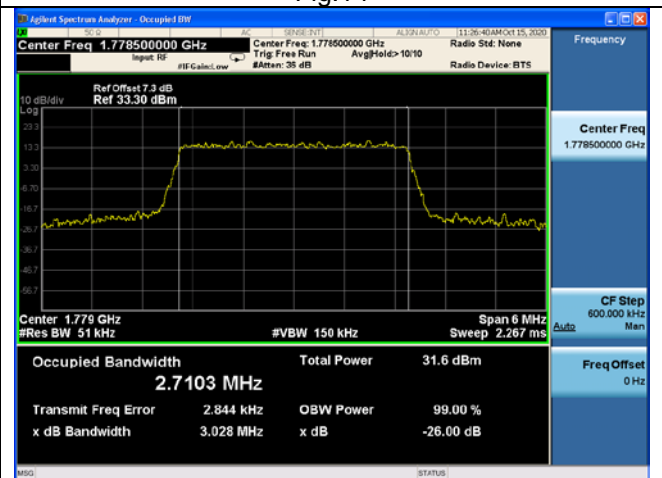


Fig.16

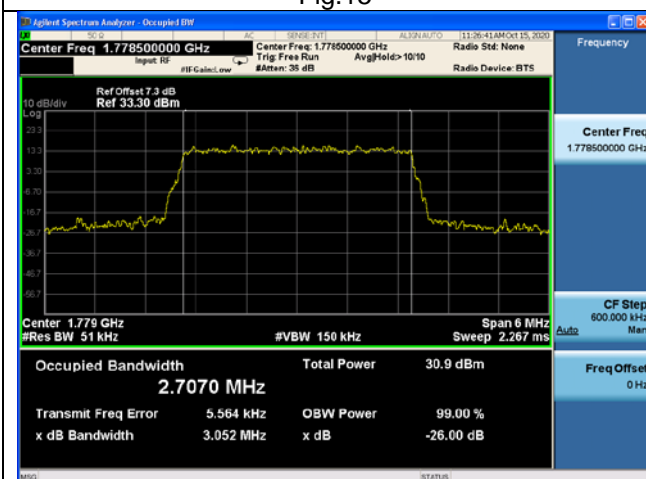


Fig.17

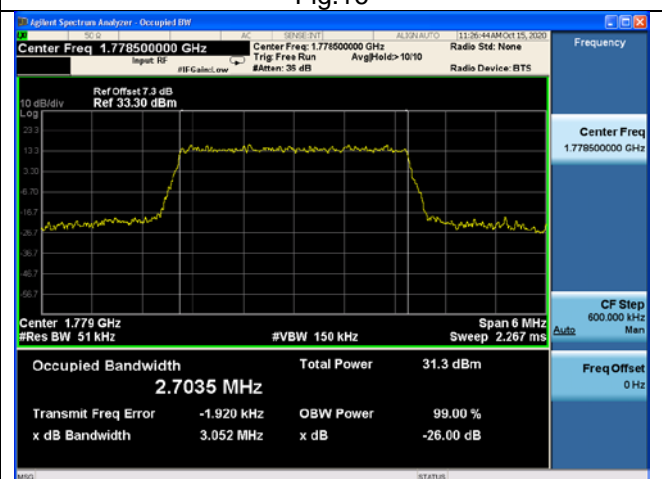


Fig.18

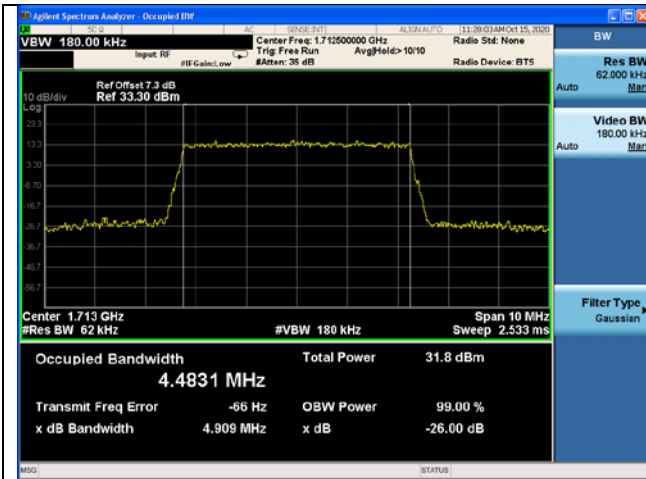


Fig.19

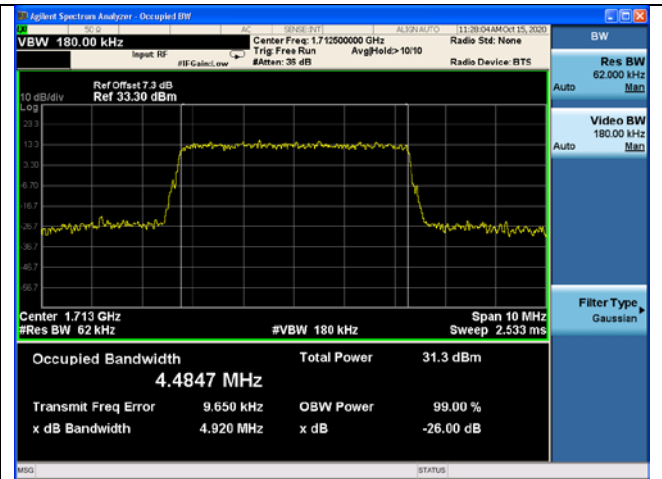


Fig.20

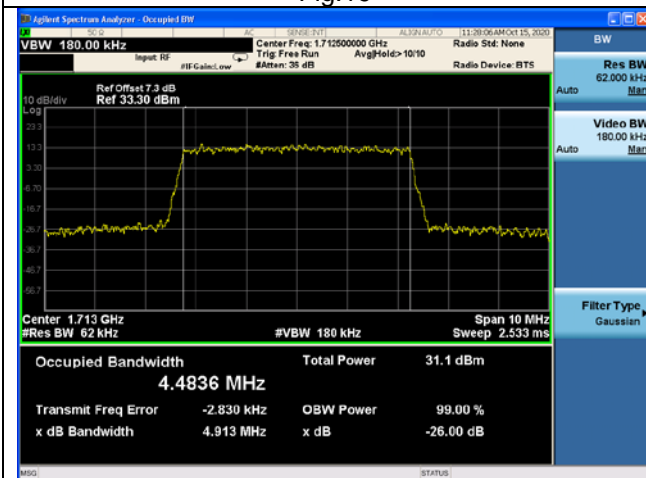


Fig.21

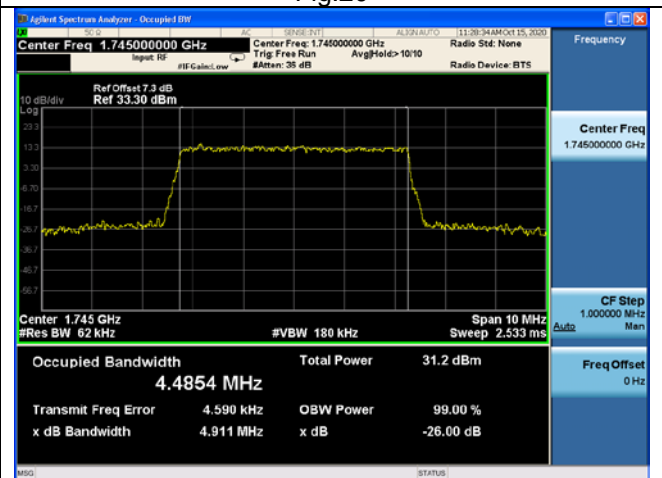


Fig.22

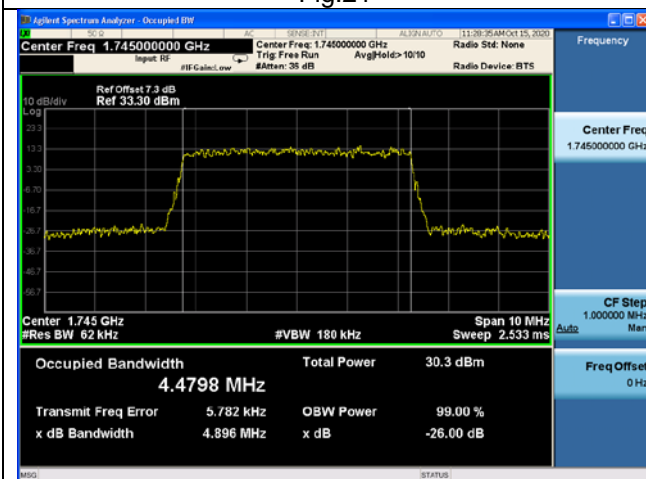


Fig.23

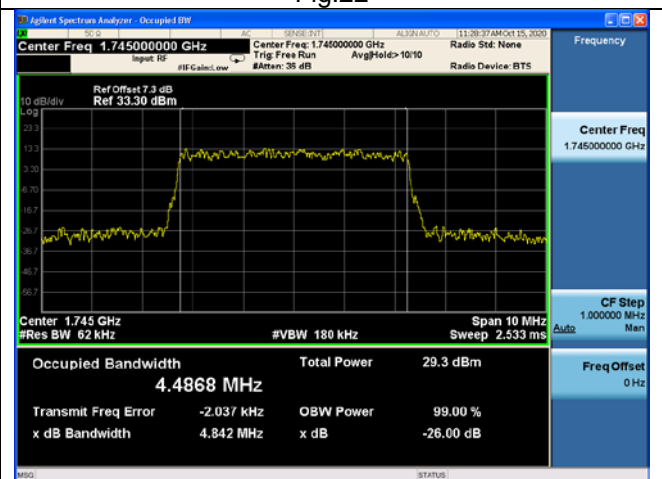


Fig.24

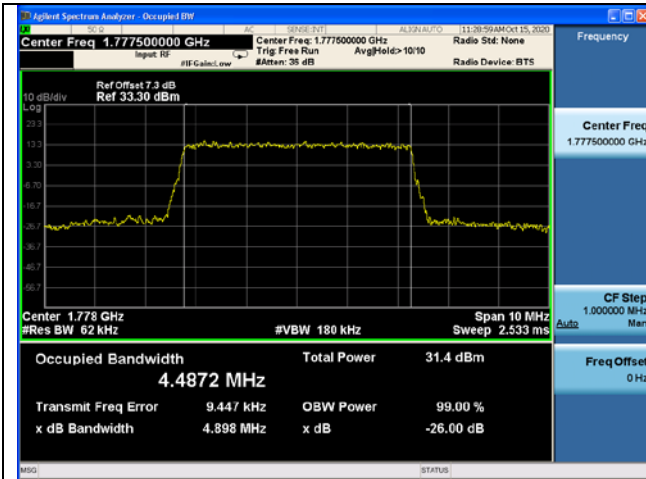


Fig.25

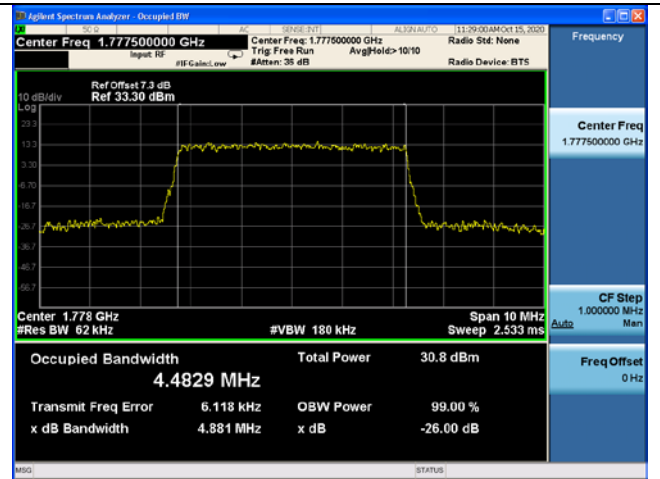


Fig.26

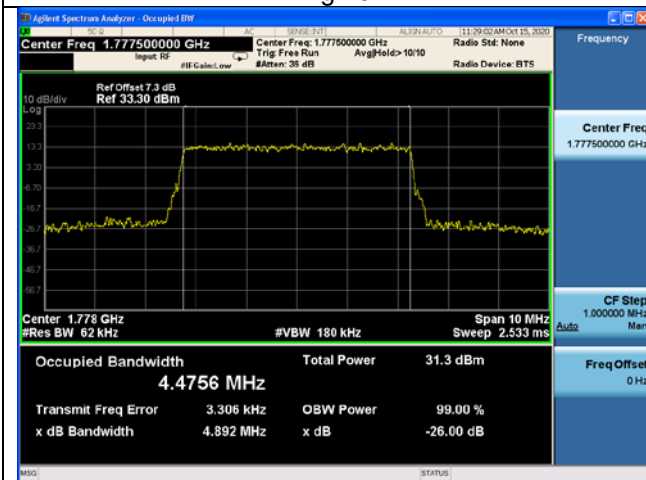


Fig.27

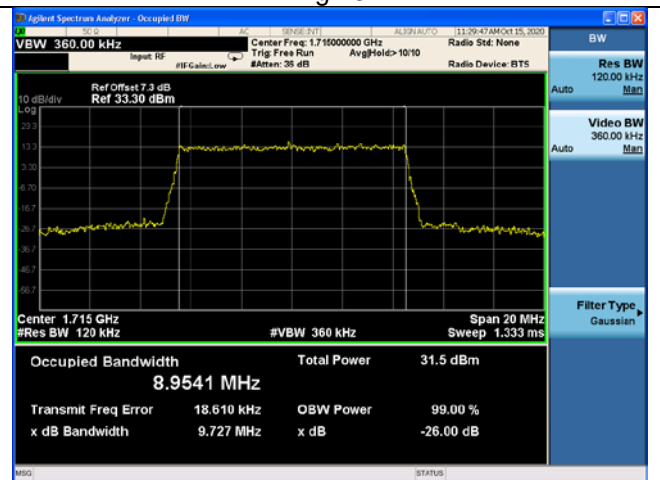


Fig.28

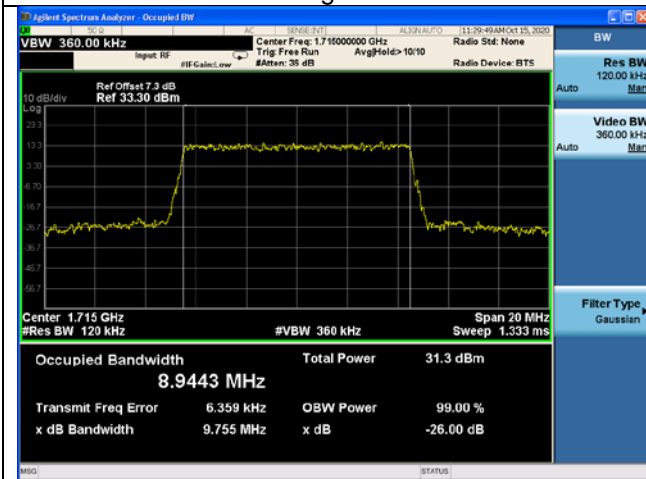


Fig.29

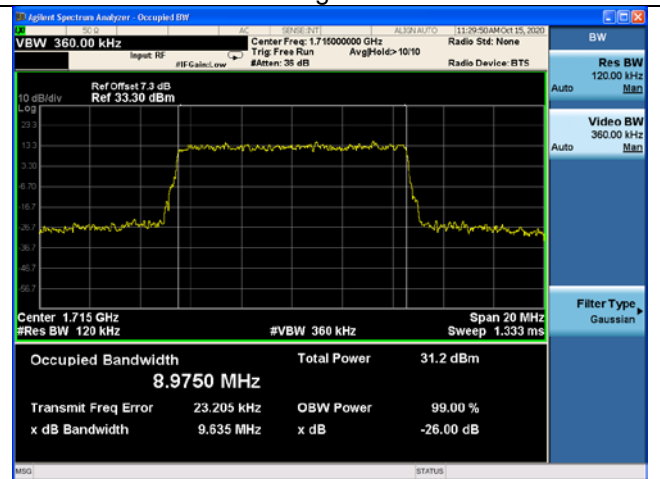


Fig.30

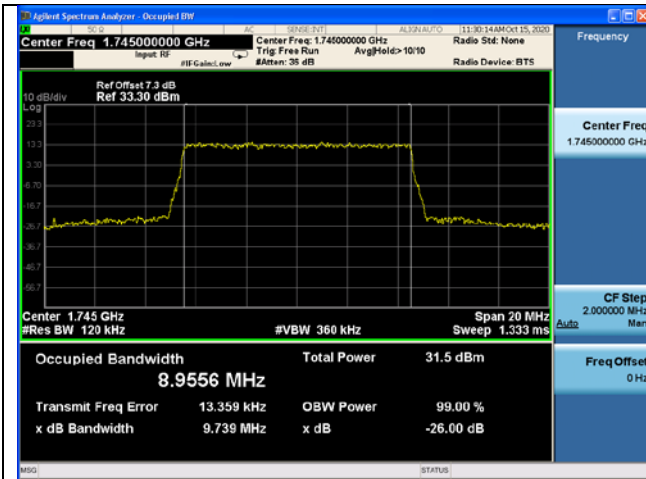


Fig.31

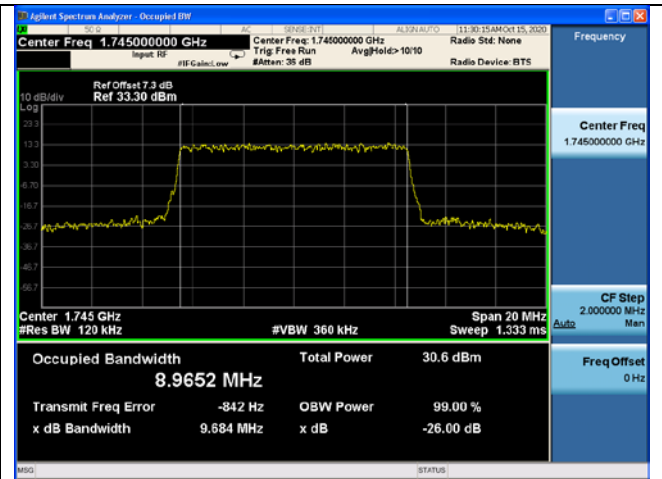


Fig.32

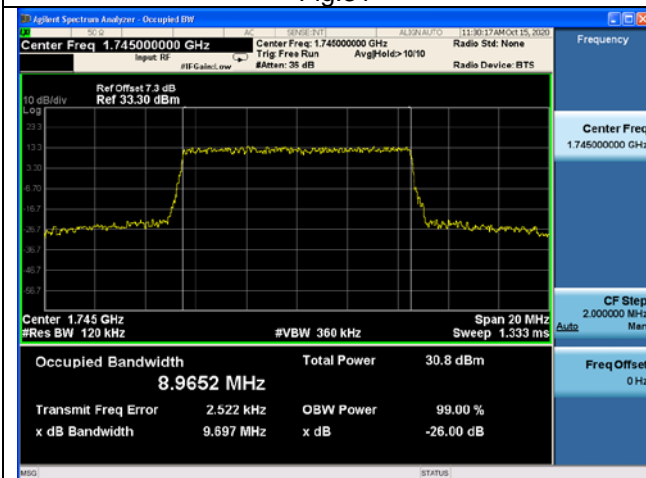


Fig.33

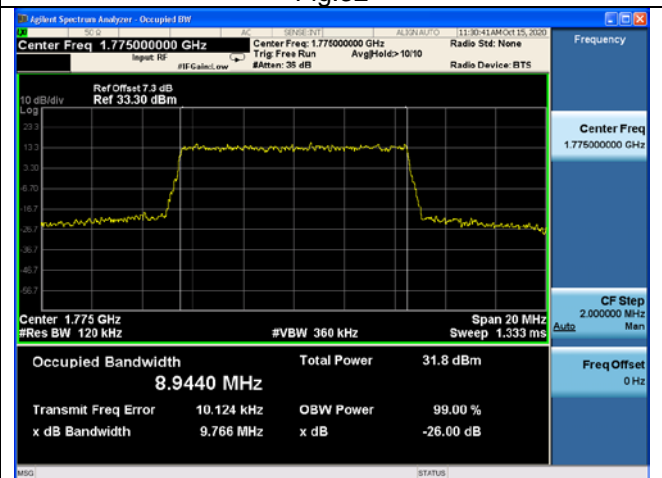


Fig.34

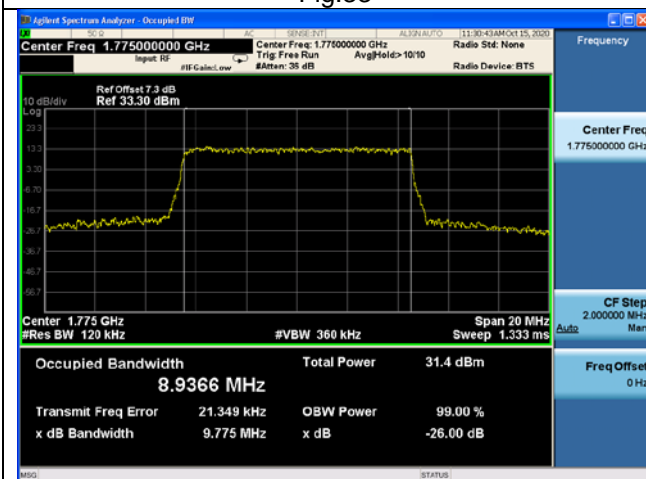


Fig.35

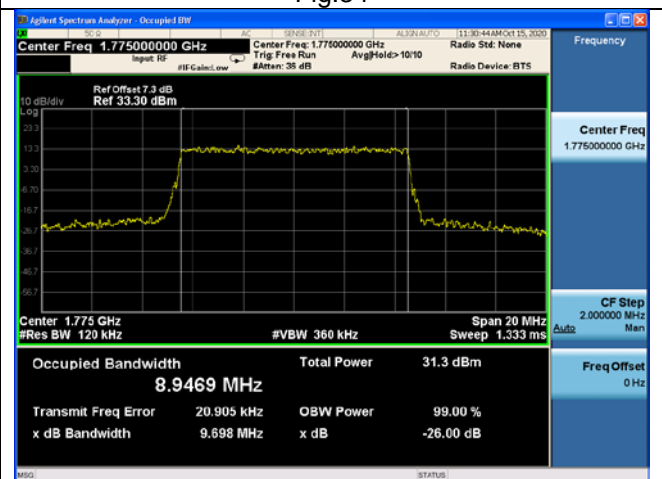


Fig.36

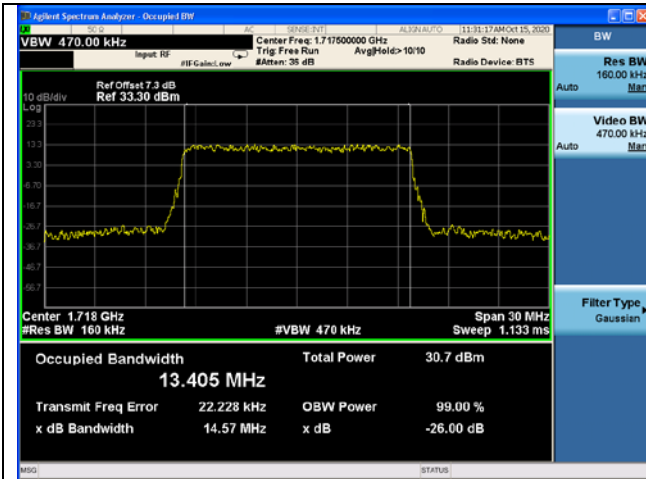


Fig.37

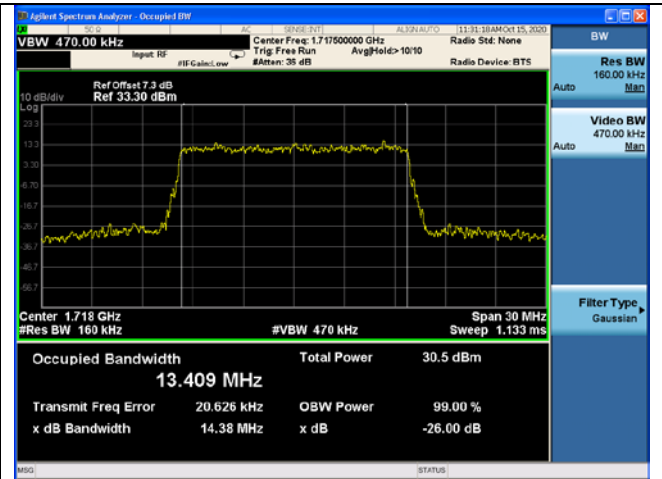


Fig.38

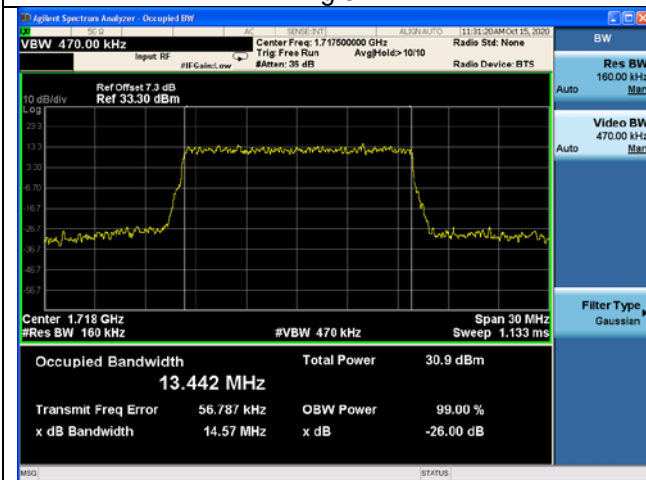


Fig.39

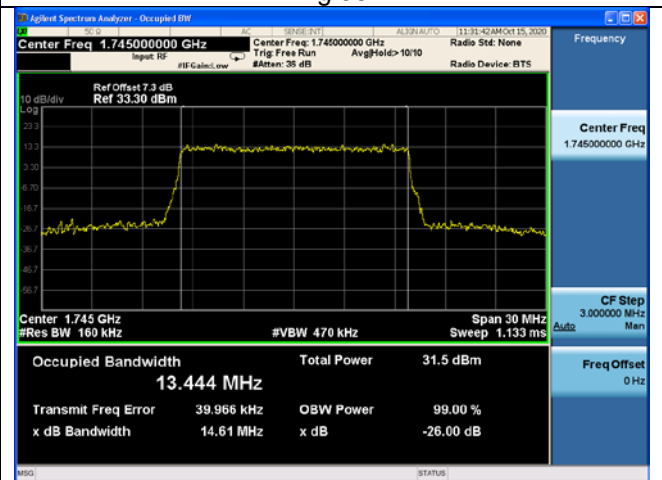


Fig.40

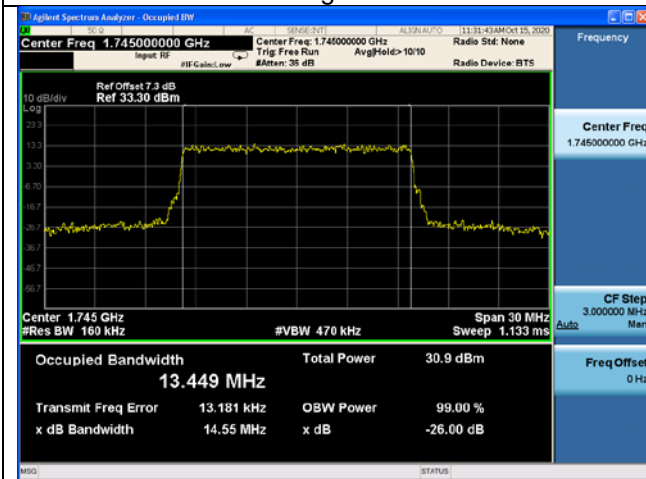


Fig.41

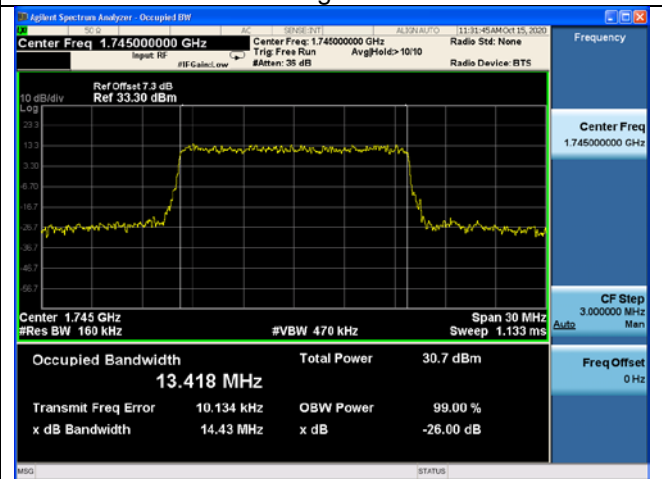


Fig.42

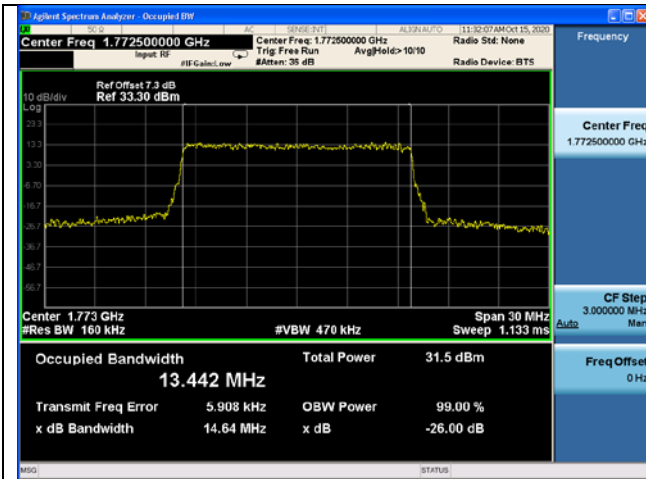


Fig.43

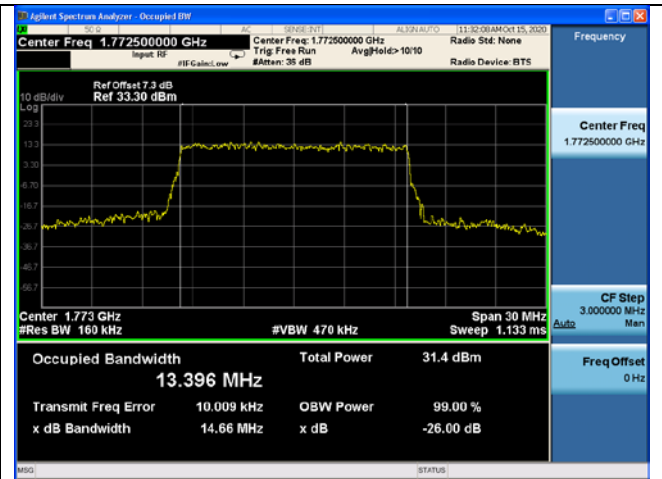


Fig.44

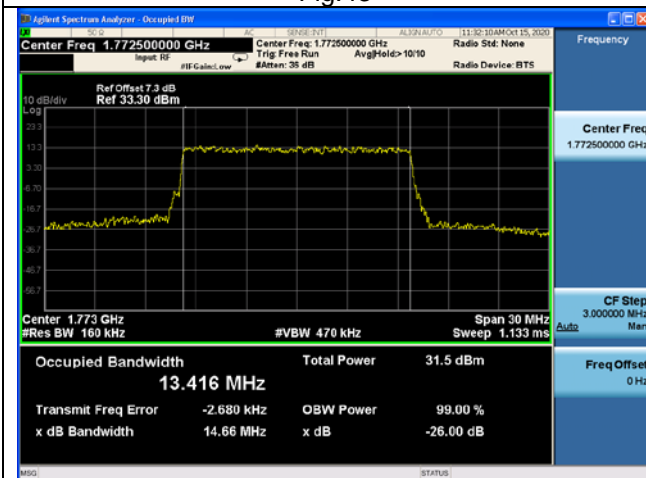


Fig.45

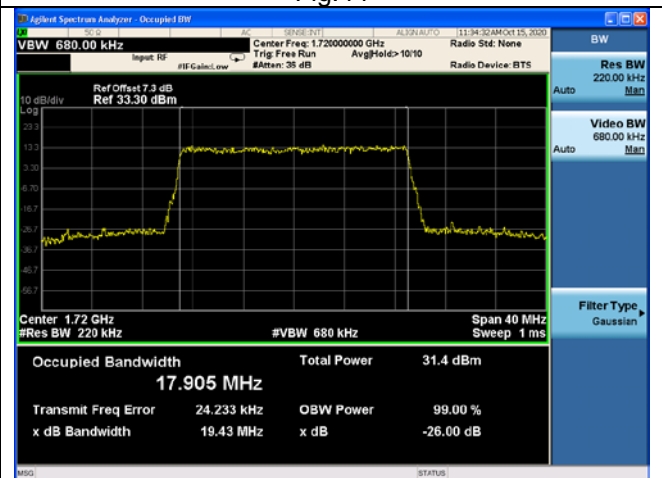


Fig.46

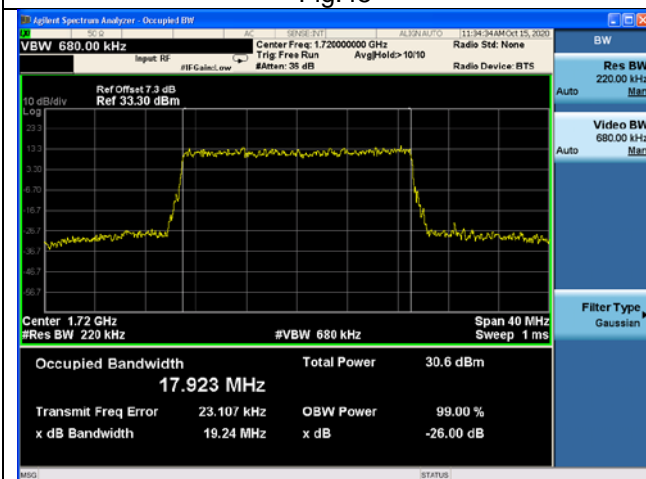


Fig.47

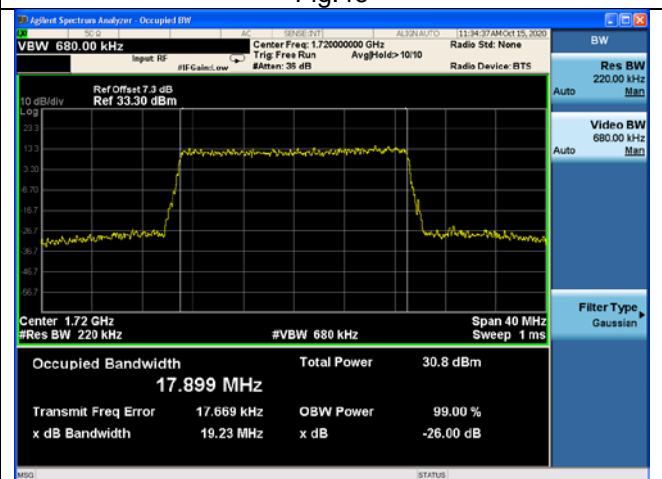


Fig.48

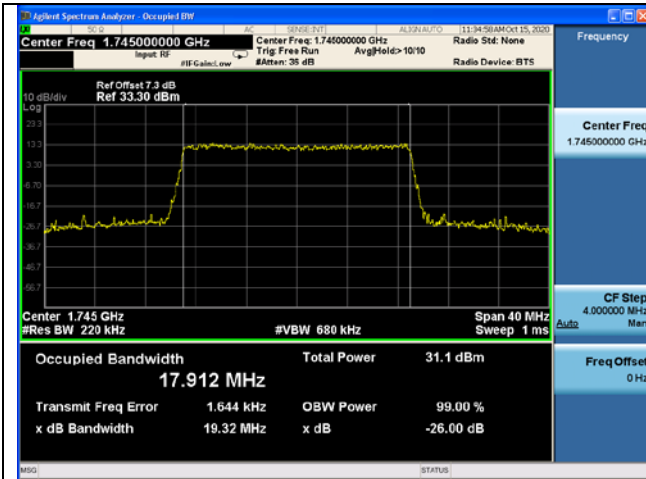


Fig.49

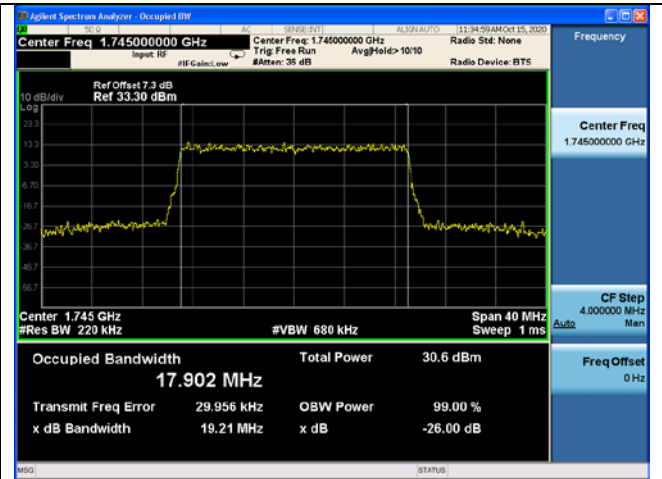


Fig.50

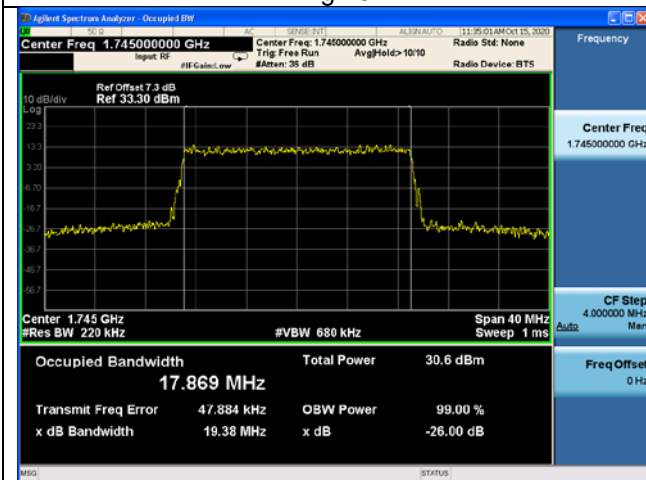


Fig.51

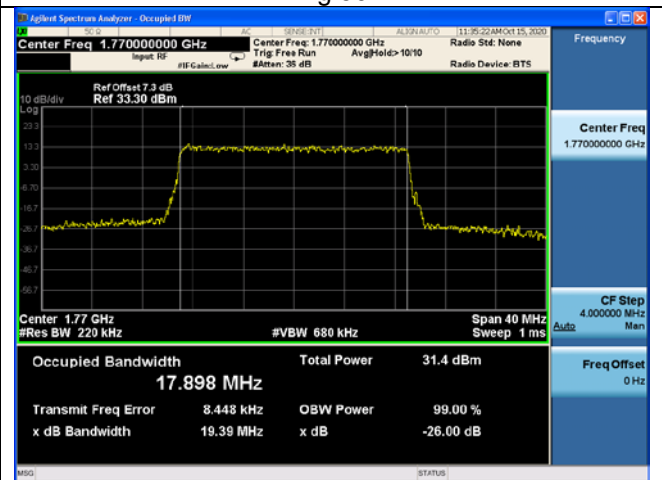


Fig.52

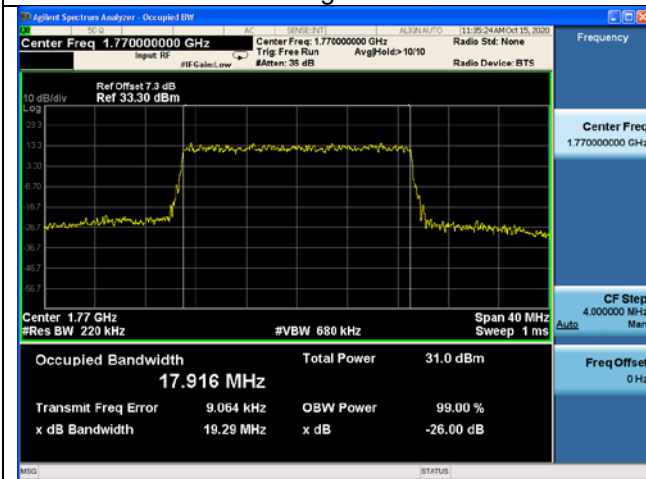


Fig.53

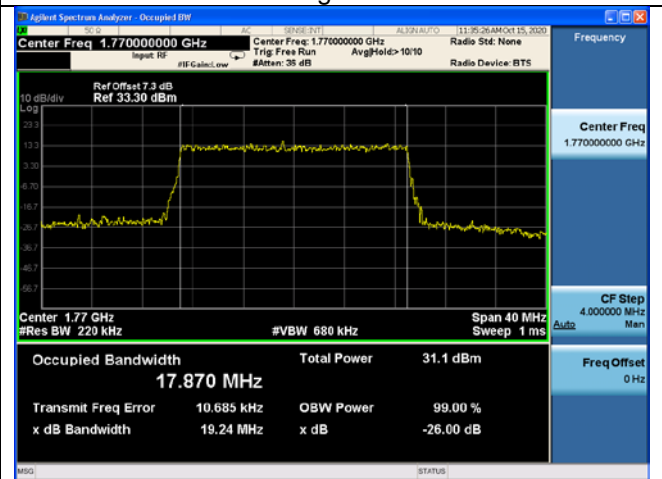


Fig.54

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

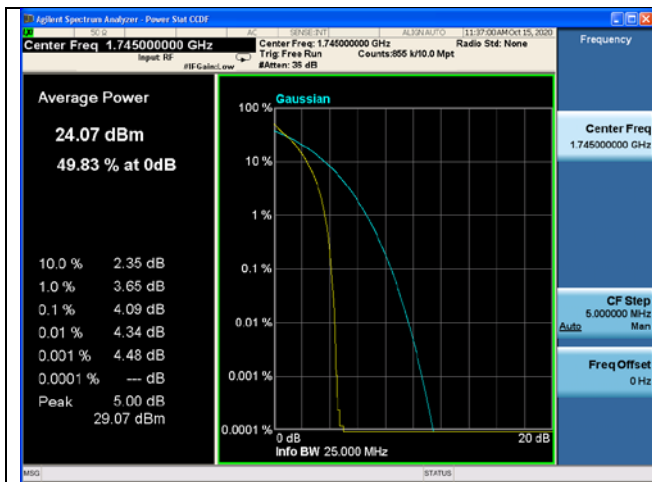


Fig.1

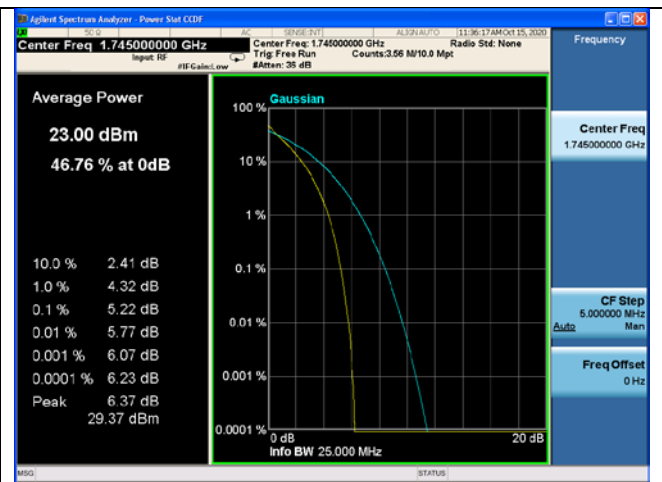


Fig.2

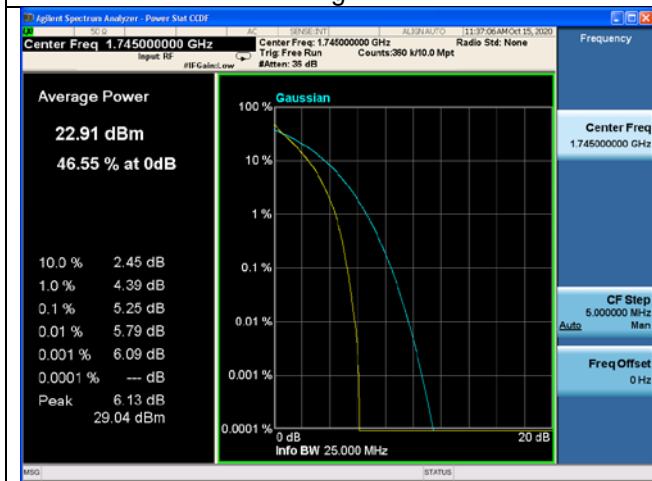


Fig.3

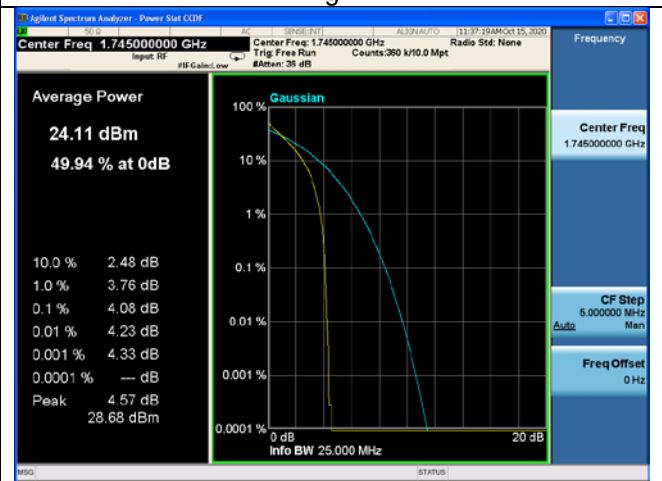


Fig.4

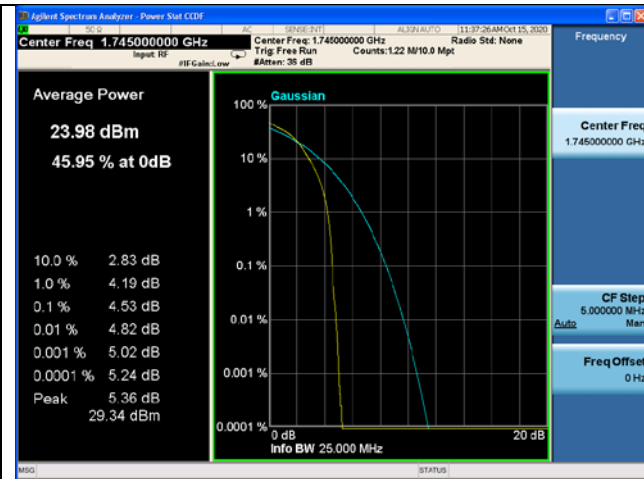


Fig.5

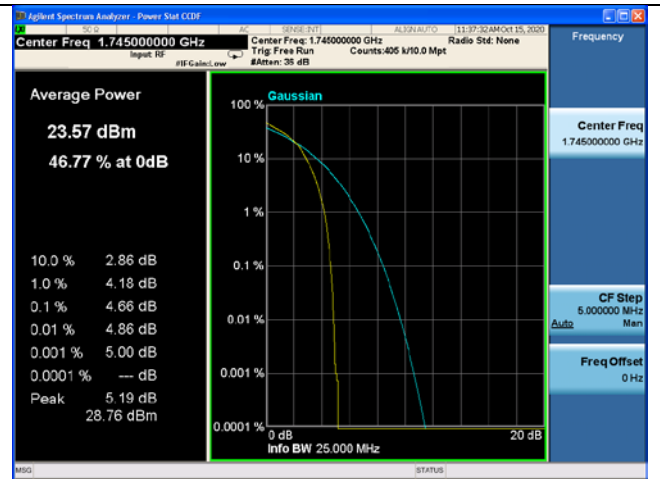


Fig.6

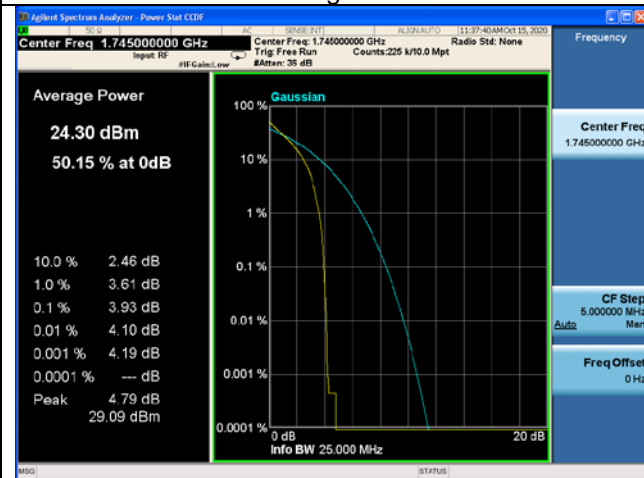


Fig.7

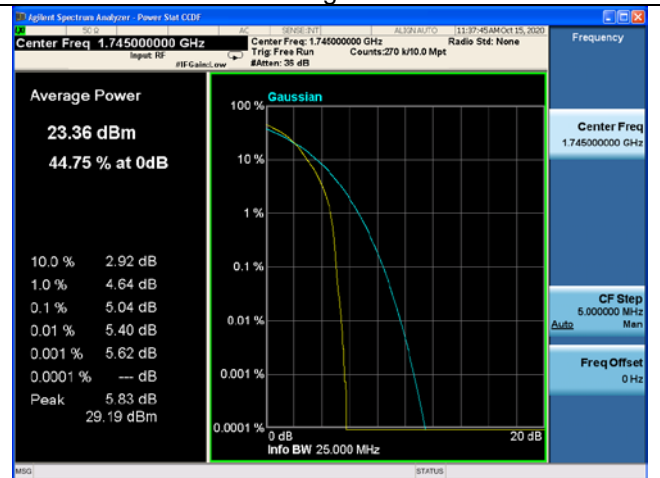


Fig.8

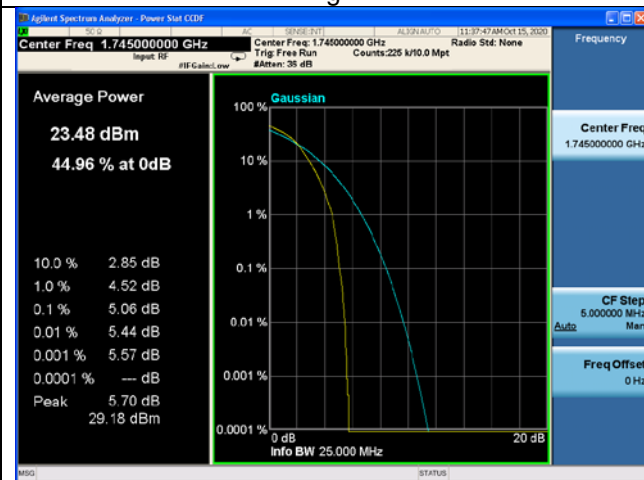


Fig.9

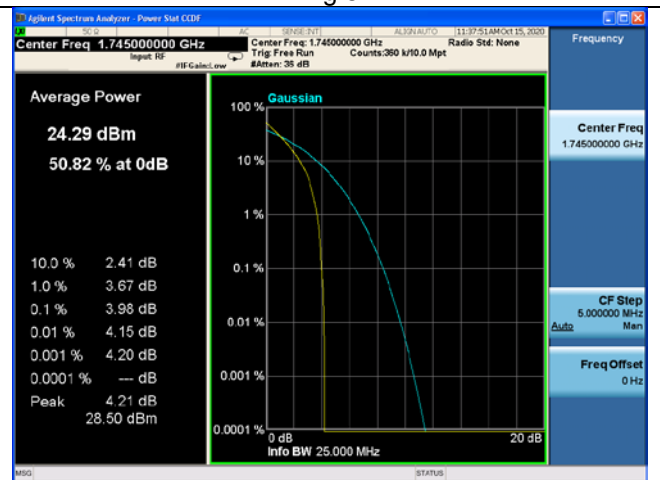


Fig.10

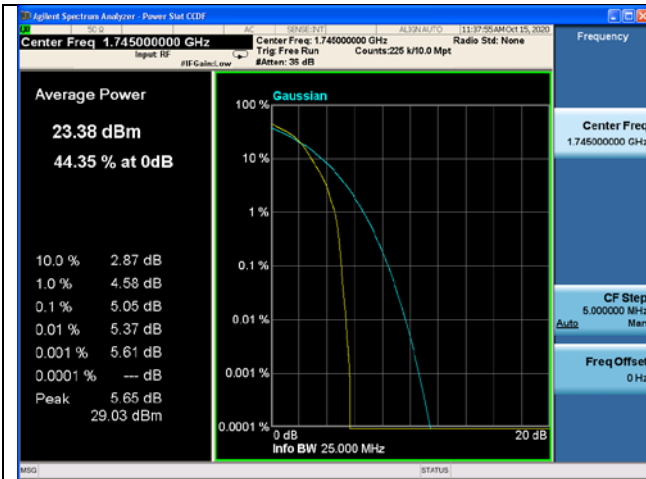


Fig.11

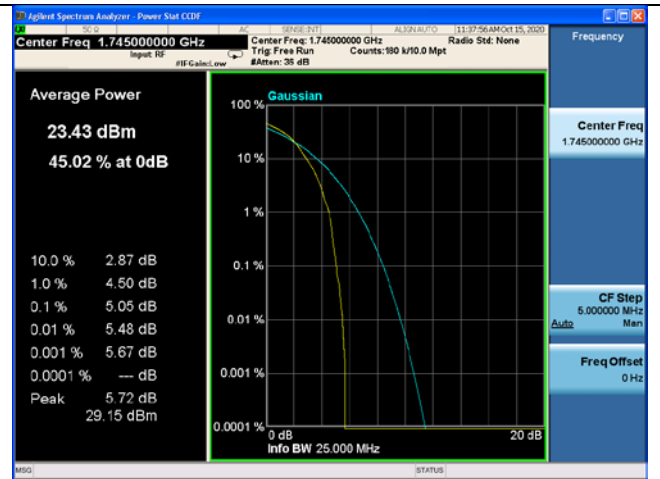


Fig.12

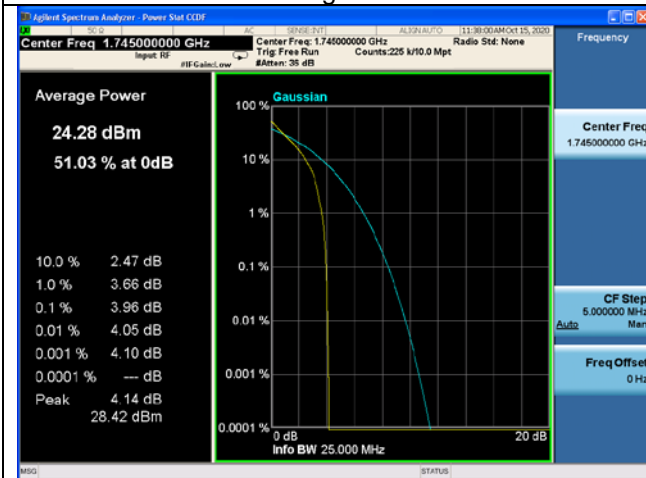


Fig.13

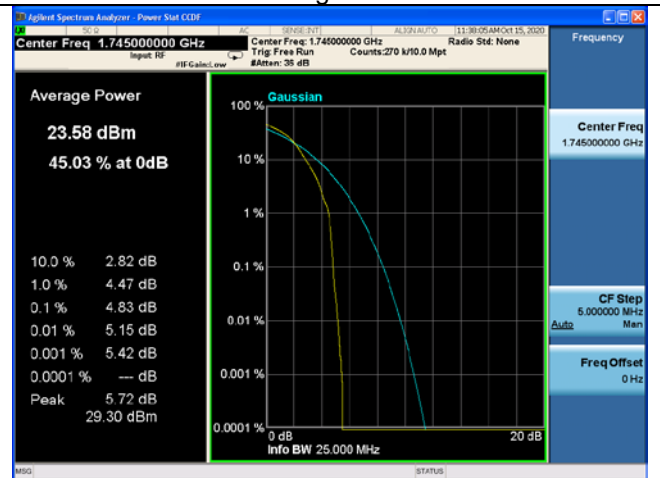


Fig.14

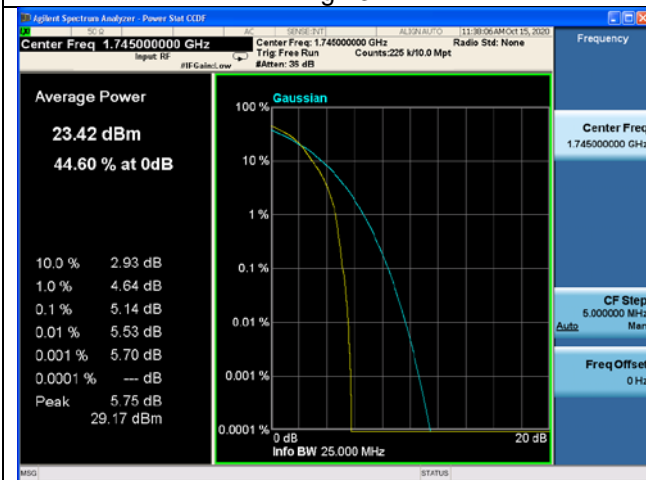


Fig.15

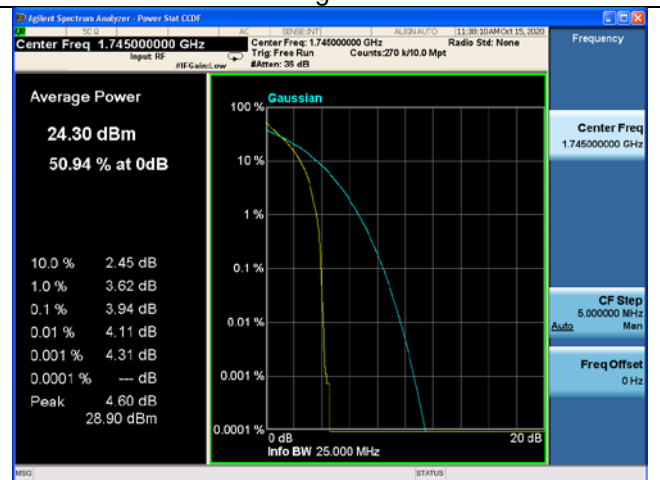


Fig.16

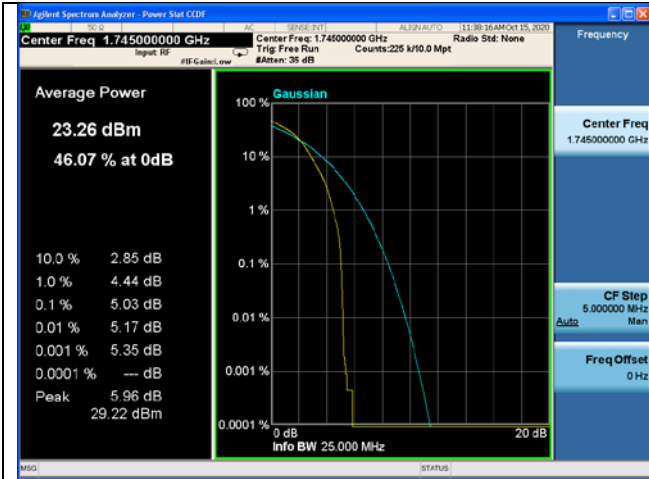


Fig.17

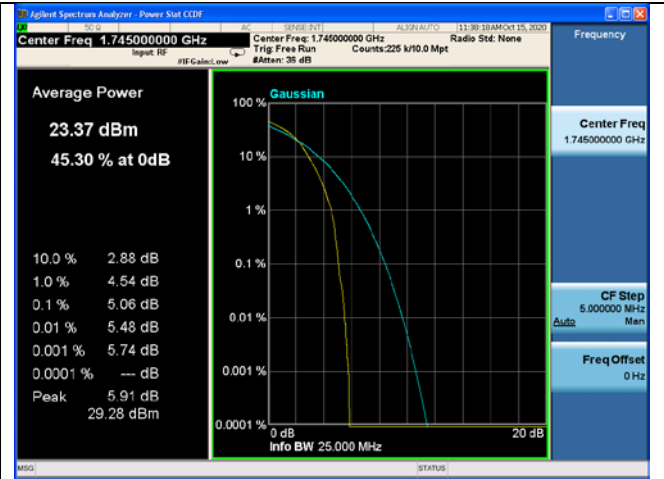


Fig.18