APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 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	23.26
				1	5	23.32
				3	2	22.46
				6	0	22.53
	1745	132322		1	0	23.33
				1	5	23.32
				3	2	22.57
				6	0	22.62
	1779.3	132665		1	0	23.22
				1	5	23.20
				3	2	22.33
				6	0	22.35
16QAM	1710.7	131979	1.4	1	0	22.31
				1	5	22.43
				3	2	21.65
				6	0	21.52
	1745	132322		1	0	22.44
				1	5	22.41
				3	2	21.65
				6	0	21.78
	1779.3	132665		1	0	22.39
				1	5	22.37
				3	2	21.50
				6	0	21.55
64QAM	1710.7	131979	1.4	1	0	22.38
				1	5	22.38
				3	2	21.49
				6	0	21.55
	1745	132322		1	0	22.40
				1	5	22.49
				3	2	21.67
				6	0	21.68
	1779.3	132665		1	0	22.29
				1	5	22.37
				3	2	21.46
				6	0	21.43

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.14
				1	14	23.24
				8	4	22.52
				15	0	22.46
	1745	132322		1	0	23.27
				1	14	23.27
				8	4	22.63
				15	0	22.64
	1778.5	132657		1	0	23.19
				1	14	23.17
				8	4	22.34
				15	0	22.38
16QAM	1711.5	131987	3	1	0	22.29
				1	14	22.40
				8	4	21.56
				15	0	21.61
	1745	132322		1	0	22.48
				1	14	22.45
				8	4	21.71
				15	0	21.70
	1778.5	132657		1	0	22.28
				1	14	22.41
				8	4	21.45
				15	0	21.57
64QAM	1711.5	131987	3	1	0	22.30
				1	14	22.39
				8	4	21.49
				15	0	21.54
	1745	132322		1	0	22.50
				1	14	22.43
				8	4	21.69
				15	0	21.66
	1778.5	132657		1	0	22.36
				1	14	22.37
				8	4	21.47
				15	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.19
				1	24	23.26
				12	6	22.53
				25	0	22.44
	1745	132322		1	0	23.33
				1	24	23.26
				12	6	22.65
				25	0	22.62
	1777.5	132647		1	0	23.10
				1	24	23.17
				12	6	22.46
				25	0	22.46
16QAM	1712.5	131997	5	1	0	22.35
				1	24	22.35
				12	6	21.53
				25	0	21.64
	1745	132322		1	0	22.53
				1	24	22.41
				12	6	21.62
				25	0	21.68
	1777.5	132647		1	0	22.39
				1	24	22.39
				12	6	21.48
				25	0	21.62
64QAM	1712.5	131997	5	1	0	22.36
				1	24	22.28
				12	6	21.60
				25	0	21.50
	1745	132322		1	0	22.45
				1	24	22.44
				12	6	21.65
				25	0	21.66
	1777.5	132647		1	0	22.37
				1	24	22.39
				12	6	21.55
				25	0	21.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.27
				1	49	23.22
				24	12	22.51
				50	0	22.44
	1745	132322		1	0	23.23
				1	49	23.28
				24	12	22.64
				50	0	22.58
	1775	132622		1	0	23.20
				1	49	23.09
				24	12	22.46
				50	0	22.39
16QAM	1715	132022	10	1	0	22.34
				1	49	22.36
				24	12	21.52
				50	0	21.53
	1745	132322		1	0	22.45
				1	49	22.43
				24	12	21.67
				50	0	21.75
	1775	132622		1	0	22.37
				1	49	22.34
				24	12	21.48
				50	0	21.49
64QAM	1715	132022	10	1	0	22.38
				1	49	22.36
				24	12	21.52
				50	0	21.53
	1745	132322		1	0	22.50
				1	49	22.52
				24	12	21.69
				50	0	21.73
	1775	132622		1	0	22.29
				1	49	22.42
				24	12	21.54
				50	0	21.39

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.23
				1	74	23.24
				40	18	22.59
				75	0	22.53
	1745	132322		1	0	23.32
				1	74	23.30
				40	18	22.53
				75	0	22.51
	1772.5	132597		1	0	23.09
				1	74	23.17
				40	18	22.34
				75	0	22.42
16QAM	1717.5	132047	15	1	0	22.32
				1	74	22.39
				40	18	21.57
				75	0	21.60
	1745	132322		1	0	22.46
				1	74	22.39
				40	18	21.72
				75	0	21.76
	1772.5	132597		1	0	22.32
				1	74	22.27
				40	18	21.55
				75	0	21.48
64QAM	1717.5	132047	15	1	0	22.32
				1	74	22.41
				40	18	21.59
				75	0	21.48
	1745	132322		1	0	22.45
				1	74	22.53
				40	18	21.58
				75	0	21.71
	1772.5	132597		1	0	22.36
				1	74	22.39
				40	18	21.47
				75	0	21.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.28
				1	99	23.32
				50	25	22.59
				100	0	22.58
	1745	132322		1	0	23.38
				1	99	23.37
				50	25	22.68
				100	0	22.64
	1770	132572		1	0	23.22
				1	99	23.24
				50	25	22.48
				100	0	22.46
16QAM	1720	132072	20	1	0	22.43
				1	99	22.46
				50	25	21.65
				100	0	21.64
	1745	132322		1	0	22.56
				1	99	22.54
				50	25	21.74
				100	0	21.78
	1770	132572		1	0	22.42
				1	99	22.41
				50	25	21.58
				100	0	21.62
64QAM	1720	132072	20	1	0	22.45
				1	99	22.42
				50	25	21.62
				100	0	21.57
	1745	132322		1	0	22.54
				1	99	22.56
				50	25	21.72
				100	0	21.75
	1770	132572		1	0	22.41
				1	99	22.43
				50	25	21.56
				100	0	21.53

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	
66	1710.7	131979	1.4	6	0	1.0817	Fig.1	1.0813	Fig.2	1.0837	Fig.3
	1745	132322		6	0	1.0783	Fig.4	1.0797	Fig.5	1.0826	Fig.6
	1779.3	132665		6	0	1.0796	Fig.7	1.0765	Fig.8	1.0811	Fig.9
	1711.5	131987	3	15	0	2.6829	Fig.10	2.6908	Fig.11	2.6804	Fig.12
	1745	132322		15	0	2.6804	Fig.13	2.6882	Fig.14	2.6827	Fig.15
	1778.5	132657		15	0	2.6800	Fig.16	2.6803	Fig.17	2.6758	Fig.18
	1712.5	131997	5	25	0	4.4927	Fig.19	4.4896	Fig.20	4.4880	Fig.21
	1745	132322		25	0	4.4883	Fig.a22	4.4844	Fig.23	4.4939	Fig.24
	1777.5	132647		25	0	4.4831	Fig.25	4.4840	Fig.26	4.4968	Fig.27
	1715	132022	10	50	0	8.9386	Fig.28	8.9577	Fig.29	8.9753	Fig.30
	1745	132322		50	0	8.9595	Fig.31	8.9569	Fig.32	8.9531	Fig.33
	1775	132622		50	0	8.9727	Fig.34	8.9736	Fig.35	8.9531	Fig.36
	1717.5	132047	15	75	0	13.473	Fig.37	13.383	Fig.38	13.435	Fig.39
	1745	132322		75	0	13.438	Fig.40	13.480	Fig.41	13.448	Fig.42
	1772.5	132597		75	0	13.383	Fig.43	13.418	Fig.44	13.432	Fig.45
	1720	132072	20	100	0	17.946	Fig.46	17.898	Fig.47	17.922	Fig.48
	1745	132322		100	0	17.913	Fig.49	17.887	Fig.50	17.909	Fig.51
	1770	132572		100	0	17.883	Fig.52	17.865	Fig.53	17.899	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	1.237	Fig.1	1.213	Fig.2	1.236	Fig.3
	1745	132322		6	0	1.227	Fig.4	1.239	Fig.5	1.244	Fig.6
	1779.3	132665		6	0	1.227	Fig.7	1.234	Fig.8	1.235	Fig.9
	1711.5	131987	3	15	0	2.890	Fig.10	2.891	Fig.11	2.891	Fig.12
	1745	132322		15	0	2.885	Fig.13	2.868	Fig.14	2.885	Fig.15
	1778.5	132657		15	0	2.889	Fig.16	2.880	Fig.17	2.894	Fig.18
	1712.5	131997	5	25	0	5.074	Fig.19	5.111	Fig.20	5.054	Fig.21
	1745	132322		25	0	5.044	Fig.a22	5.013	Fig.23	5.025	Fig.24
	1777.5	132647		25	0	5.018	Fig.25	5.080	Fig.26	5.030	Fig.27
	1715	132022	10	50	0	9.813	Fig.28	9.802	Fig.29	9.730	Fig.30
	1745	132322		50	0	9.935	Fig.31	9.872	Fig.32	9.873	Fig.33
	1775	132622		50	0	9.812	Fig.34	9.852	Fig.35	9.661	Fig.36
	1717.5	132047	15	75	0	14.74	Fig.37	14.44	Fig.38	14.55	Fig.39
	1745	132322		75	0	14.69	Fig.40	14.48	Fig.41	14.72	Fig.42
	1772.5	132597		75	0	14.29	Fig.43	14.56	Fig.44	14.53	Fig.45
	1720	132072	20	100	0	19.27	Fig.46	19.45	Fig.47	19.27	Fig.48
	1745	132322		100	0	19.20	Fig.49	19.08	Fig.50	19.29	Fig.51
	1770	132572		100	0	19.13	Fig.52	19.03	Fig.53	19.03	Fig.54

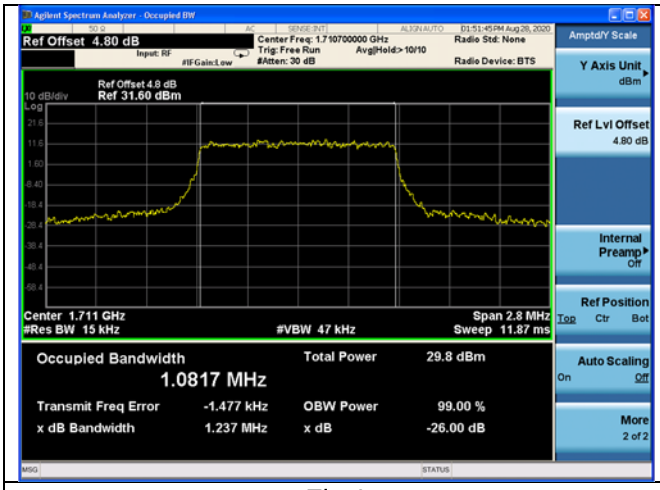

Fig.1

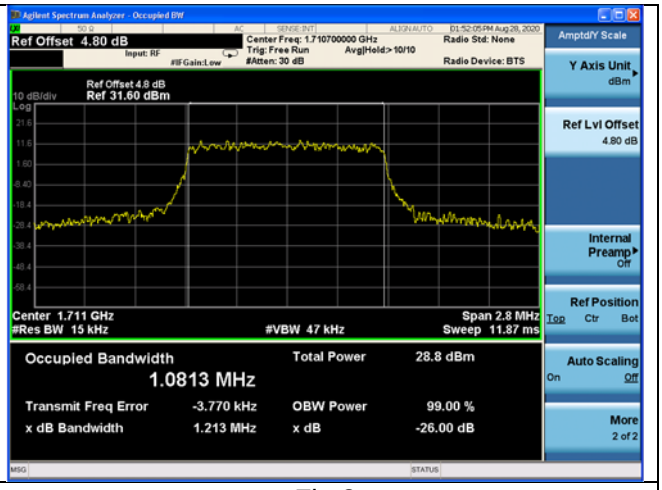

Fig.2

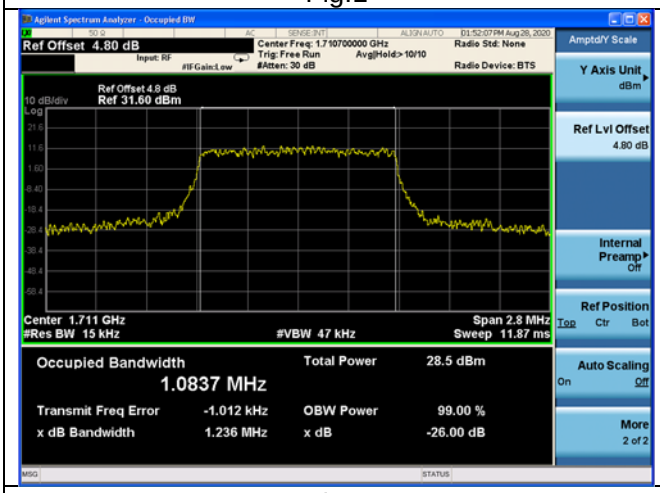

Fig.3

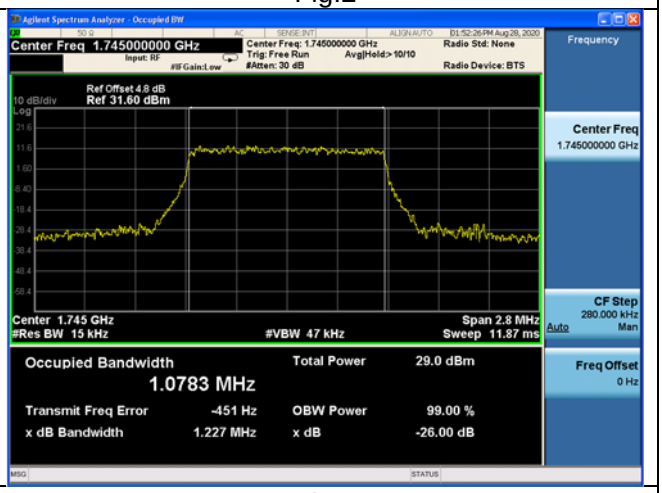

Fig.4

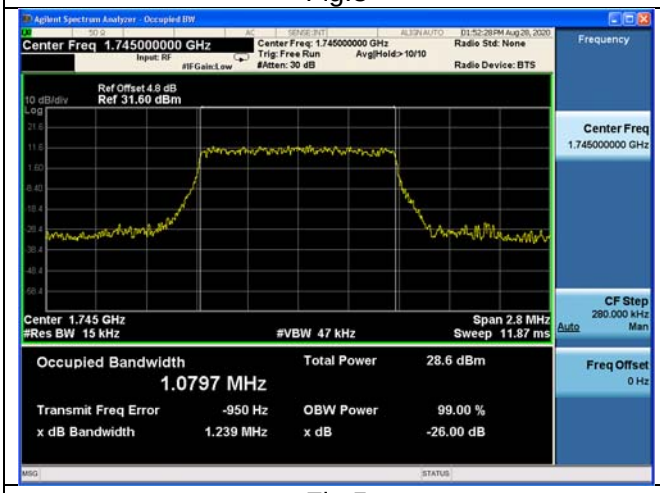

Fig.5

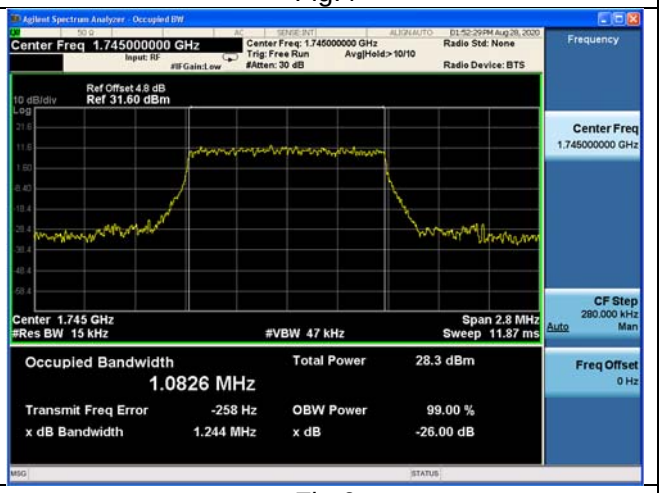

Fig.6

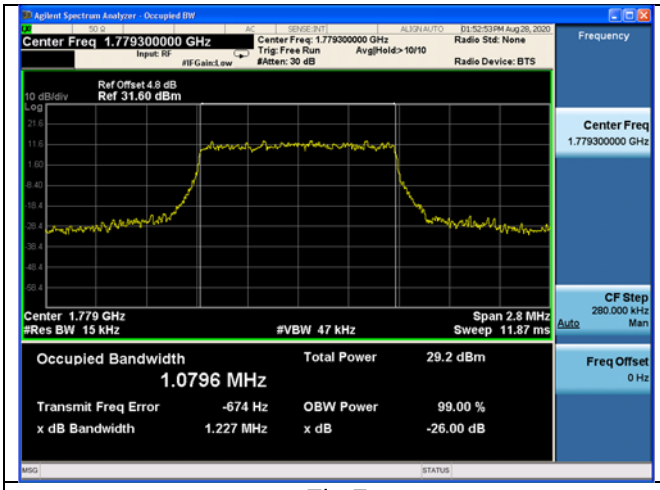

Fig.7

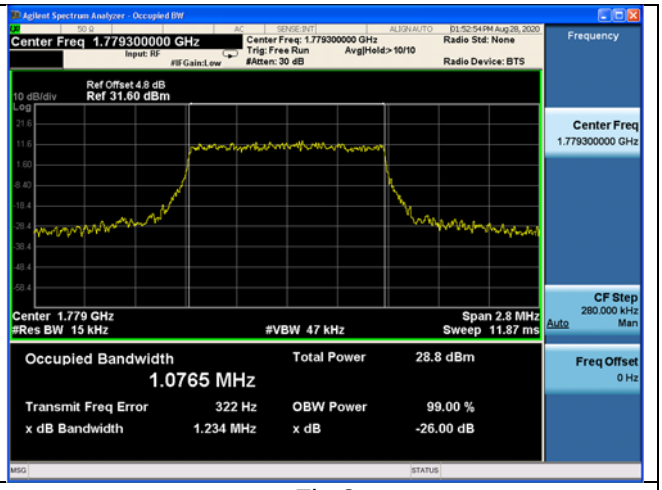

Fig.8

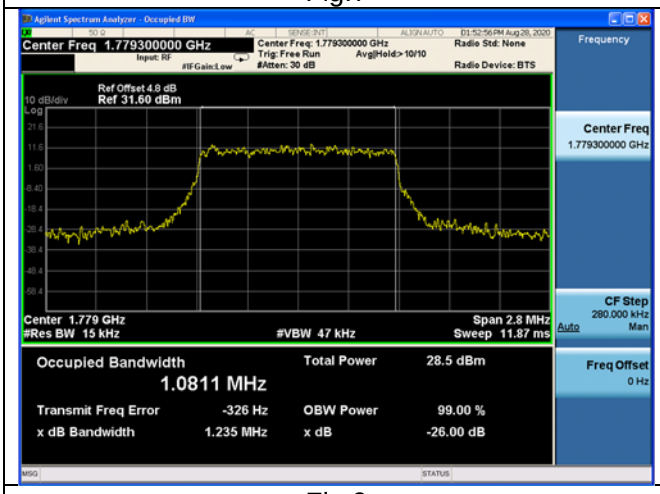

Fig.9

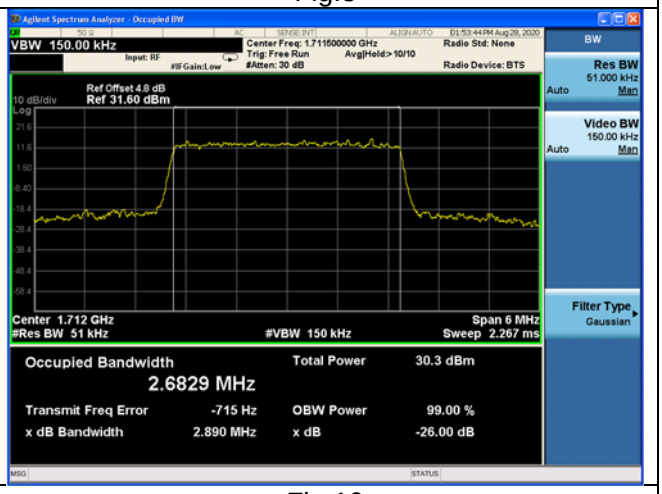

Fig.10

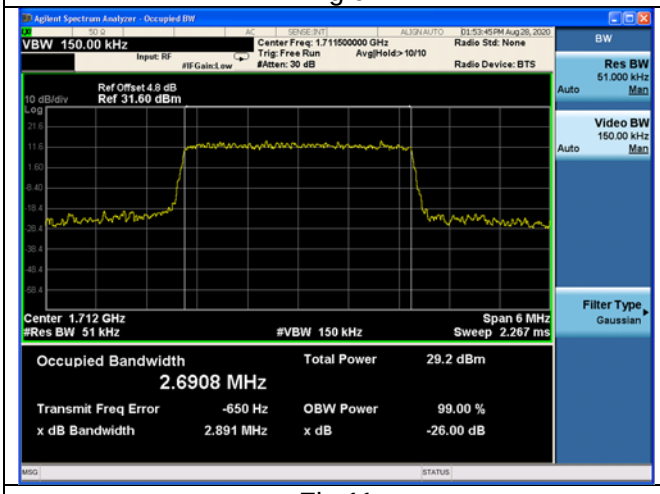

Fig.11

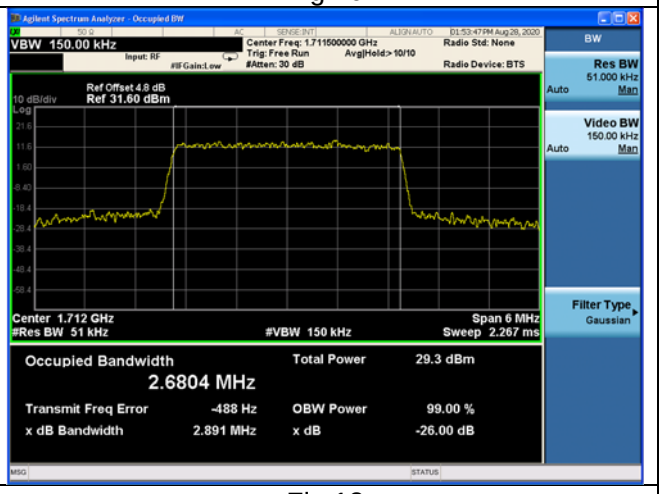

Fig.12

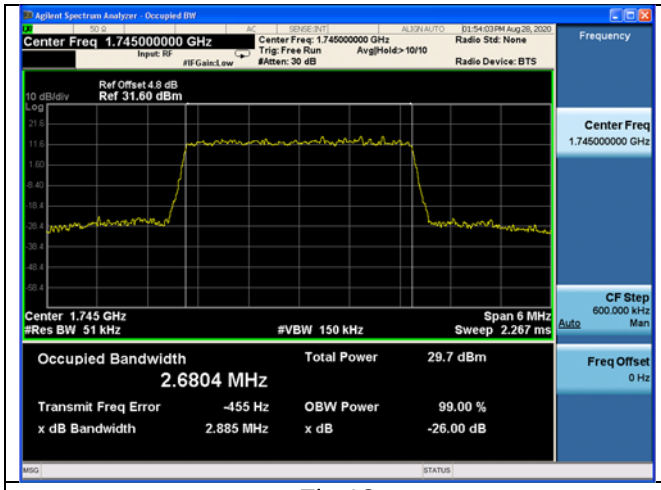

Fig.13

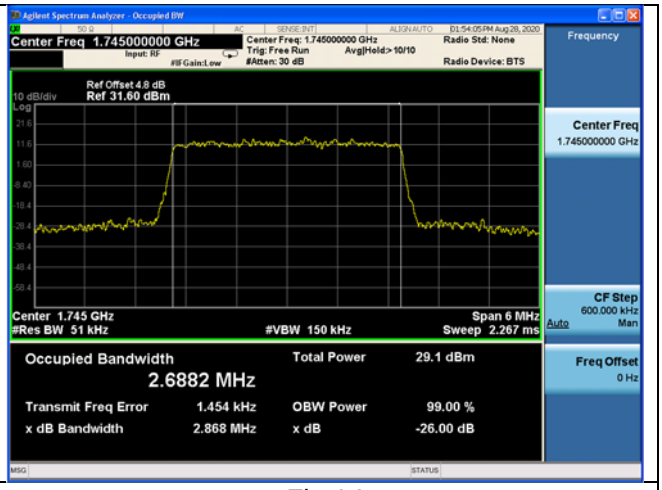

Fig.14

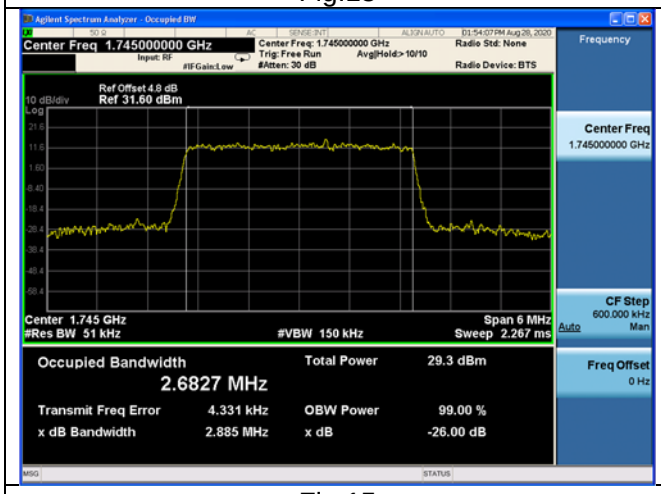

Fig.15

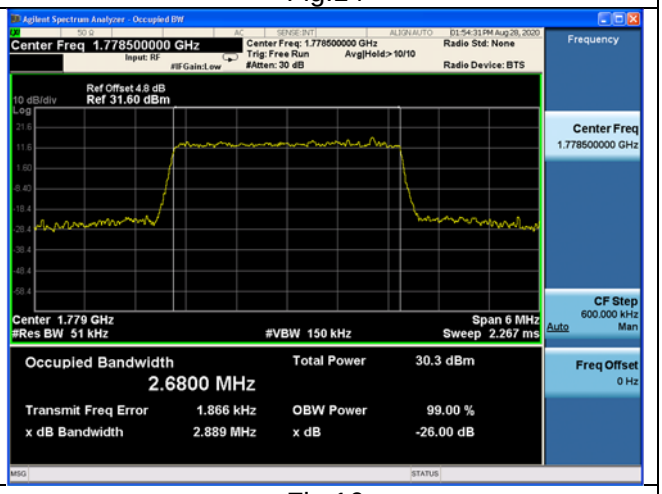

Fig.16

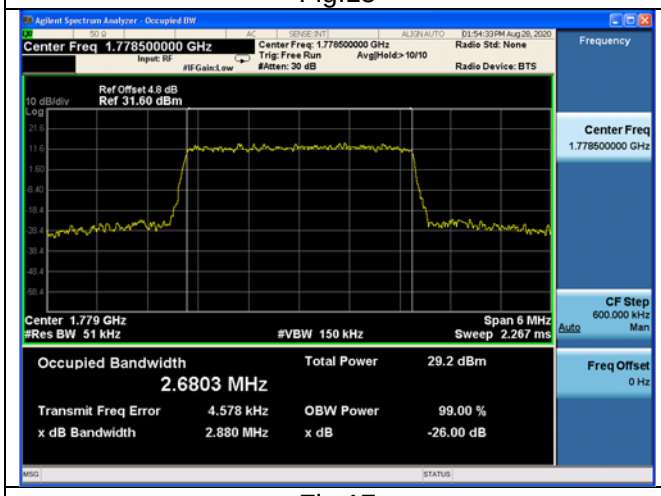

Fig.17

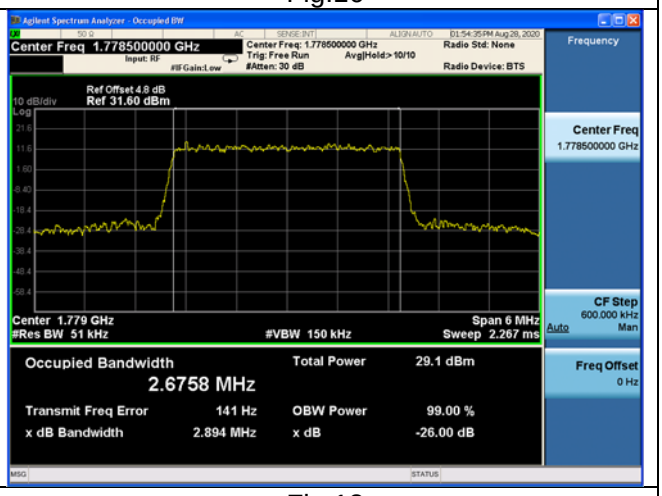

Fig.18

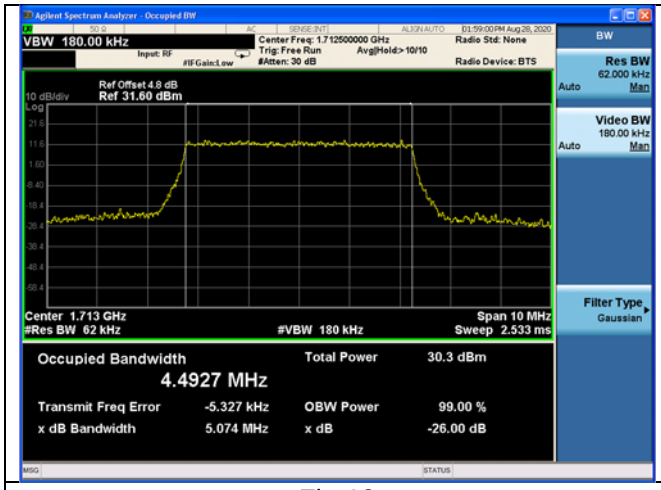

Fig.19

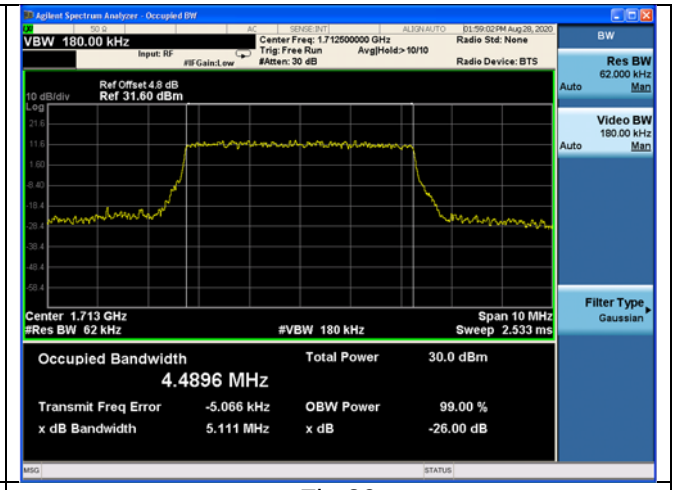

Fig.20

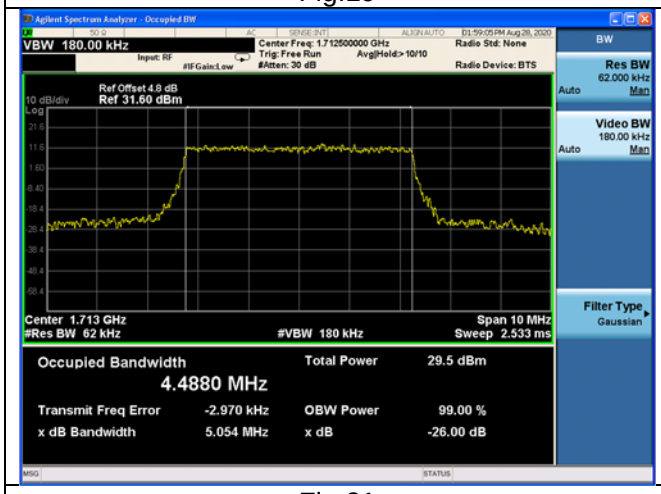

Fig.21

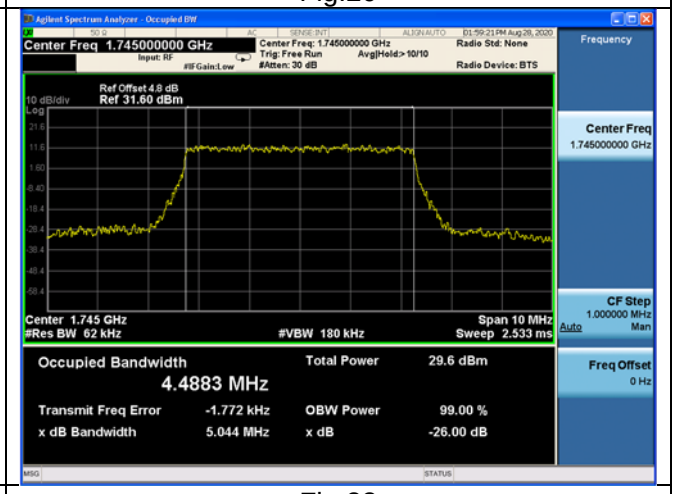

Fig.22

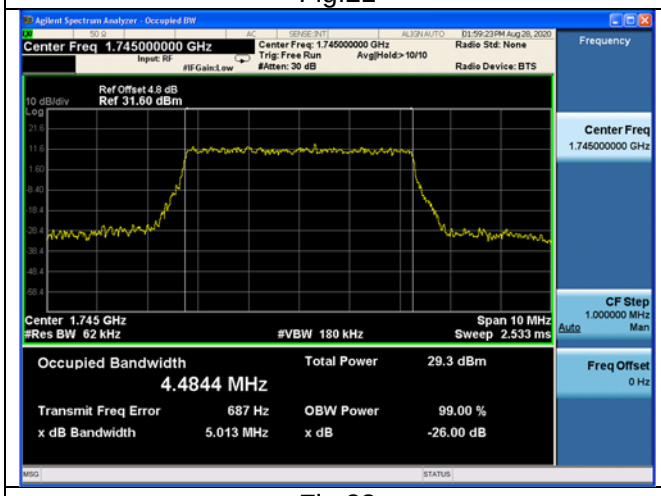

Fig.23

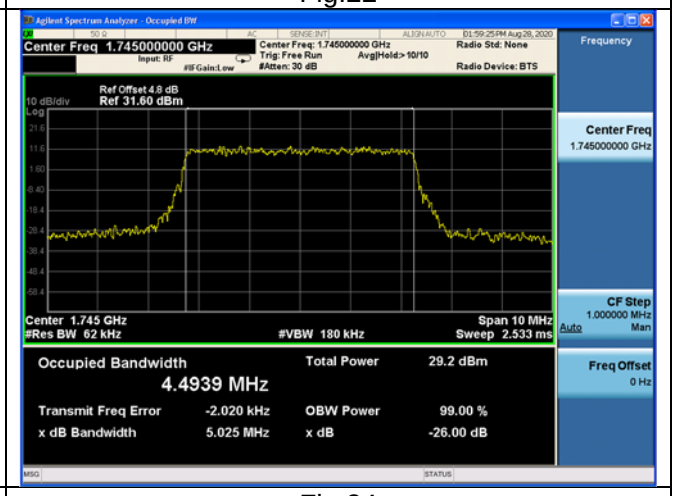

Fig.24

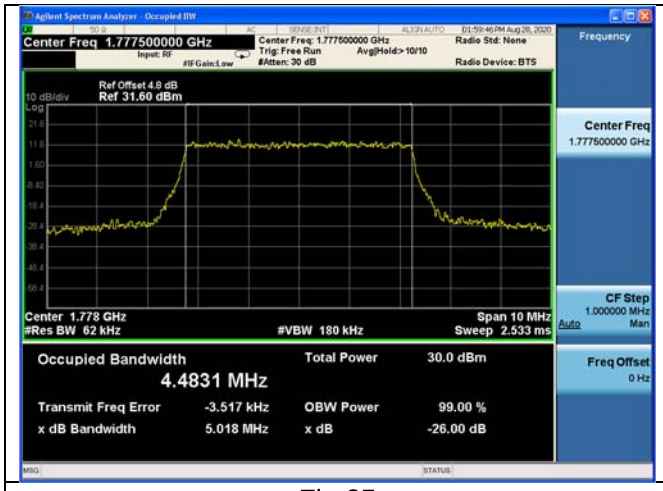

Fig.25

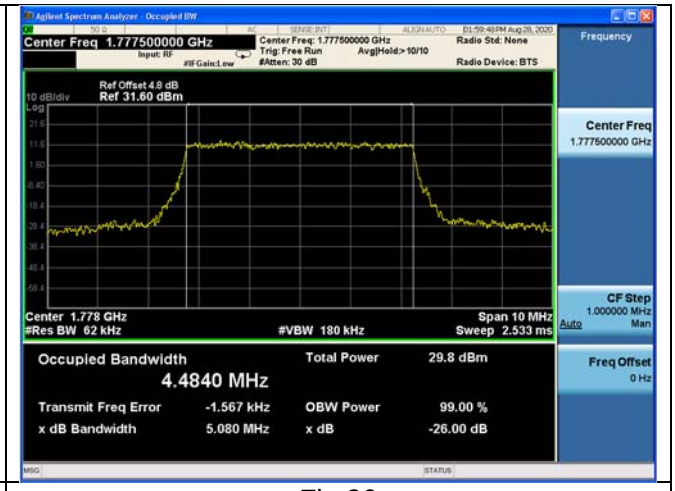

Fig.26

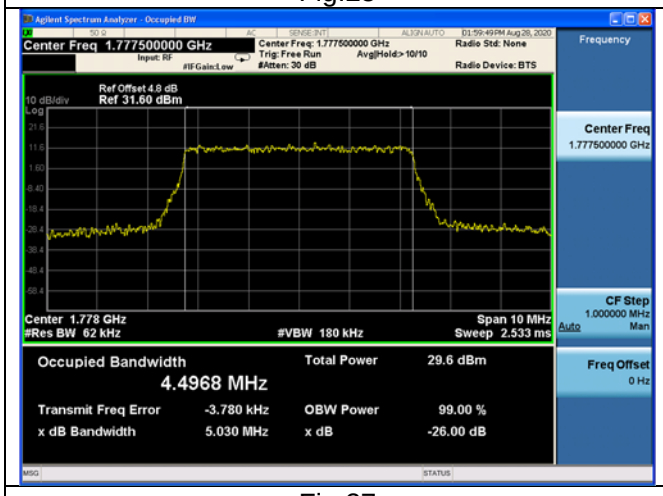

Fig.27

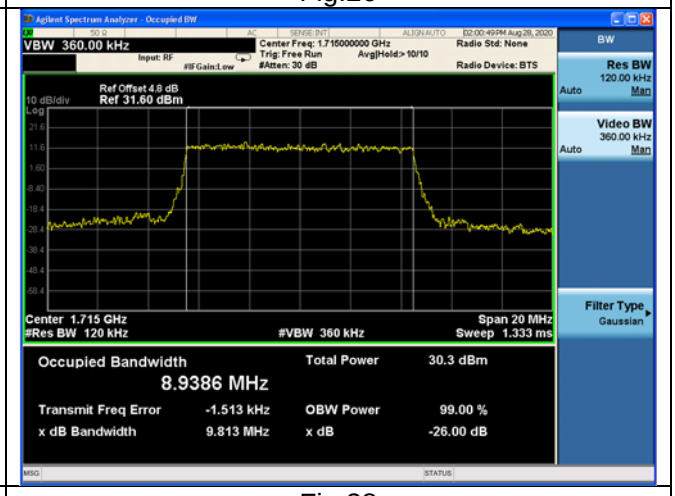

Fig.28

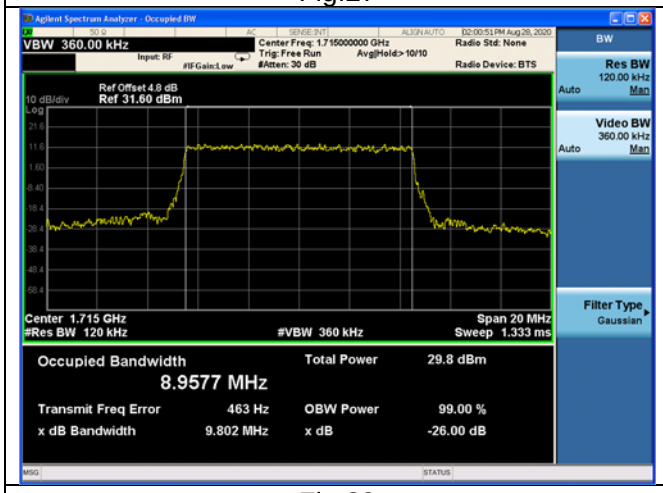

Fig.29

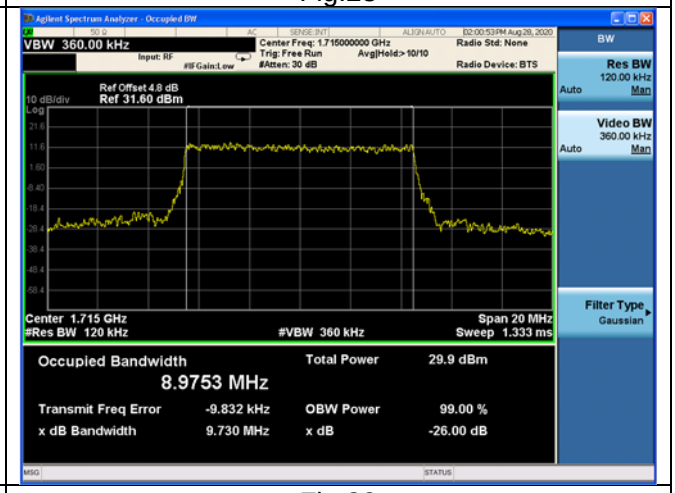

Fig.30

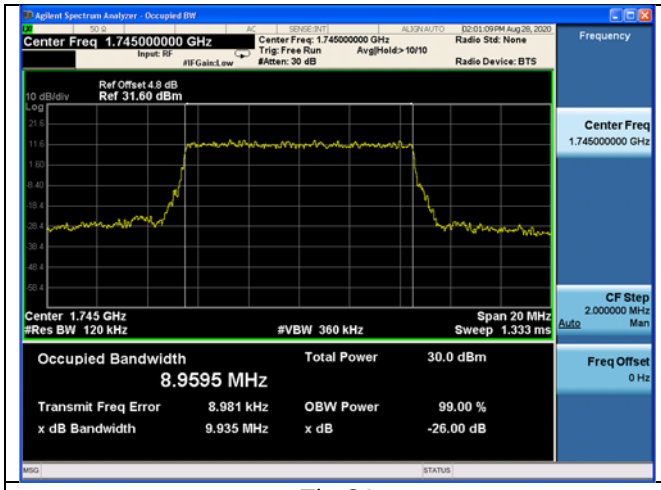

Fig.31

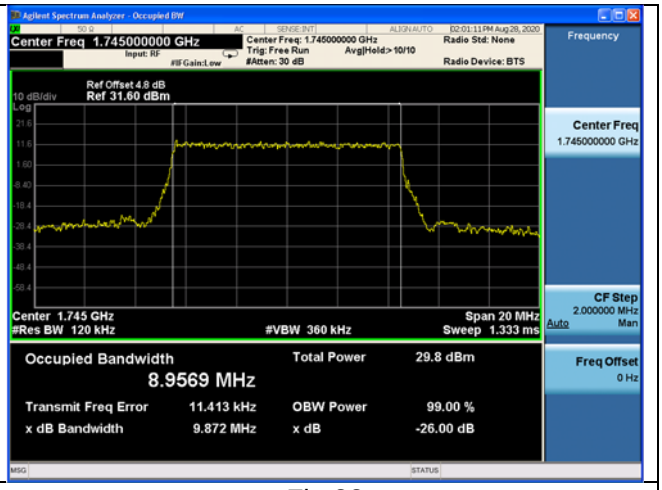

Fig.32

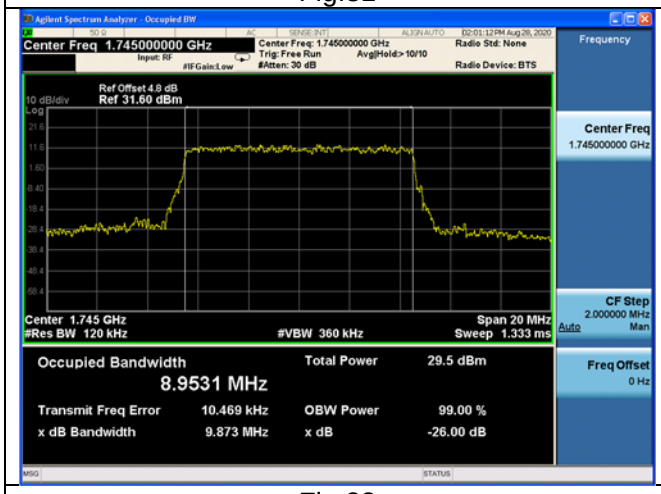

Fig.33

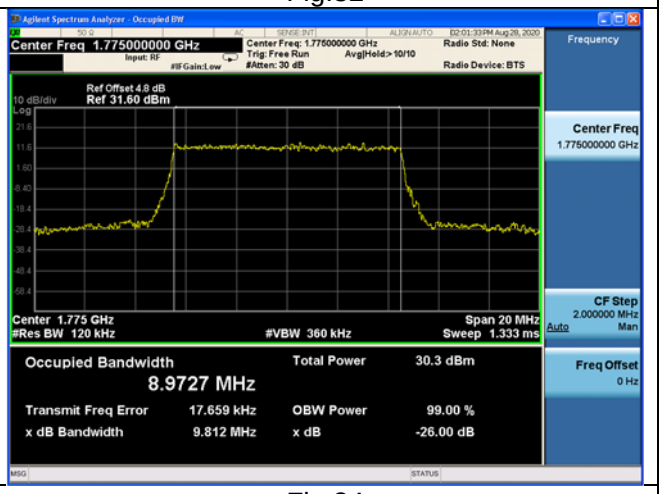

Fig.34

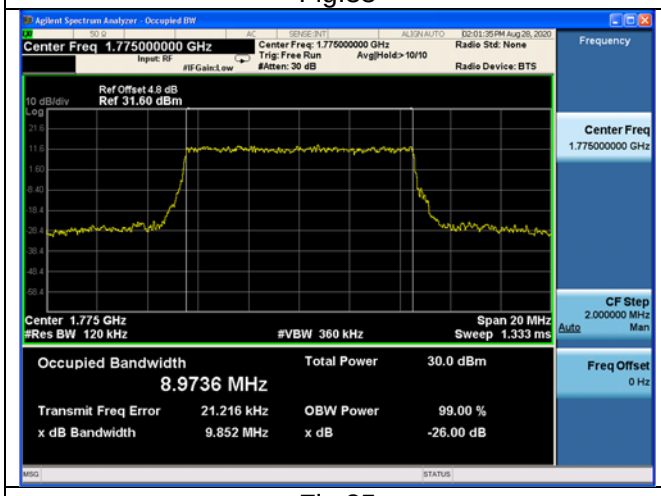

Fig.35

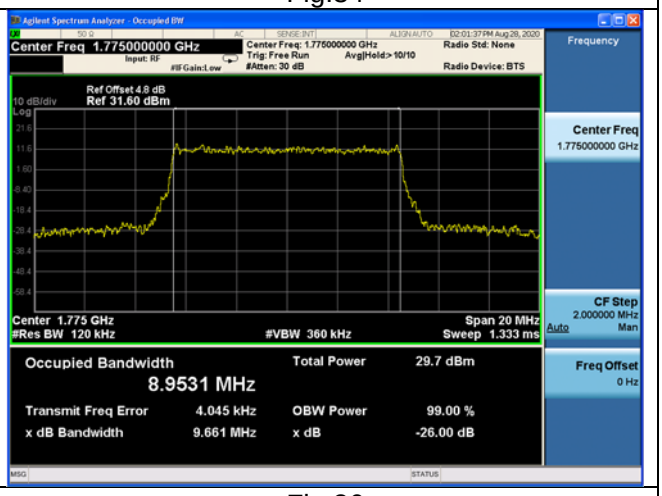

Fig.36

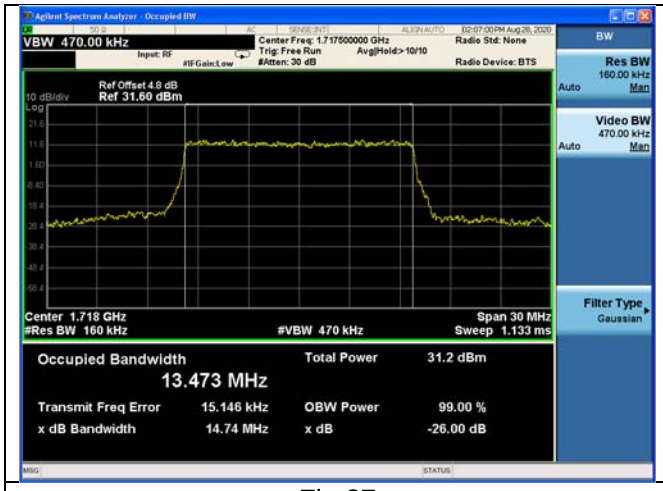

Fig.37

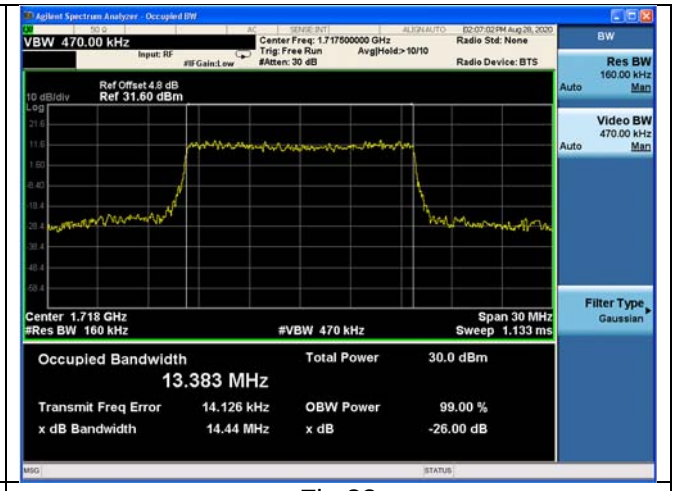

Fig.38

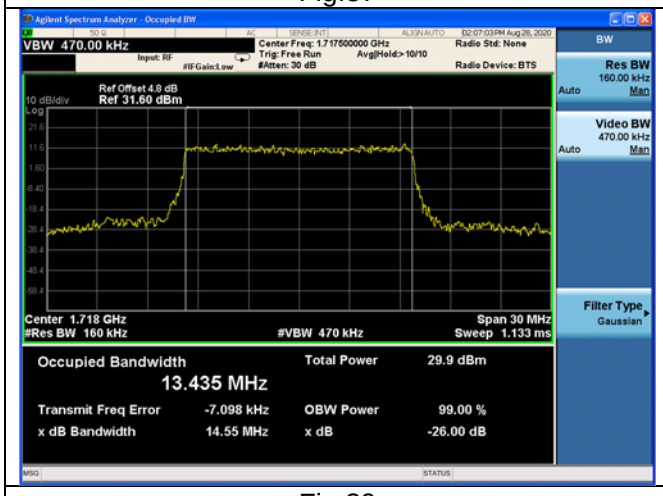

Fig.39

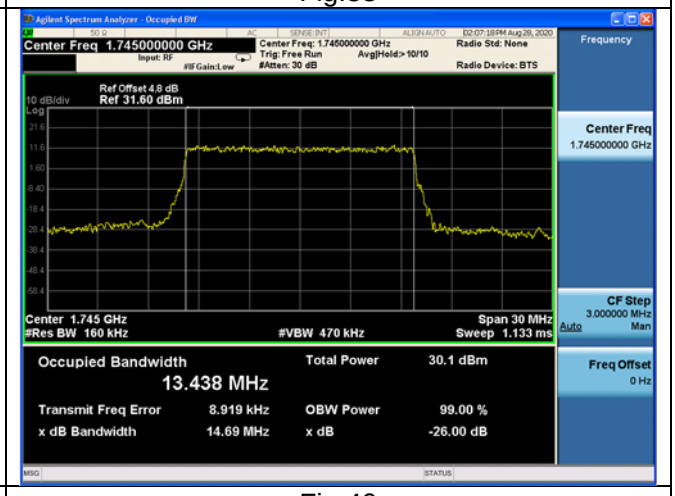

Fig.40

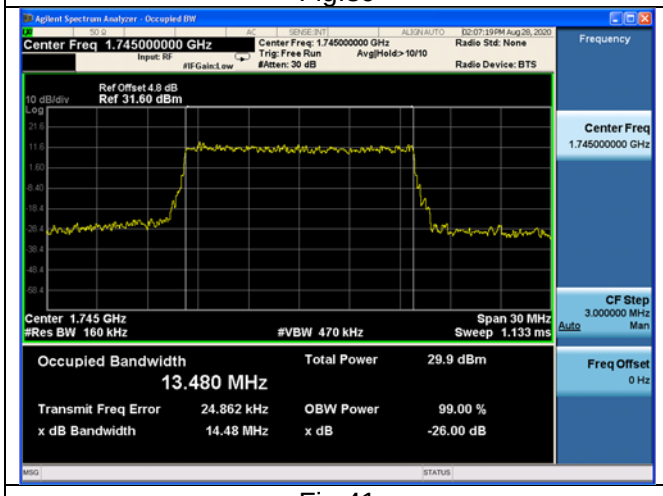

Fig.41

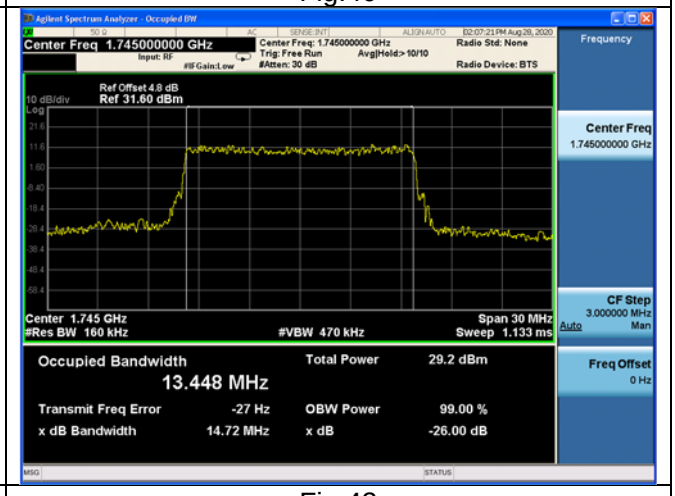

Fig.42

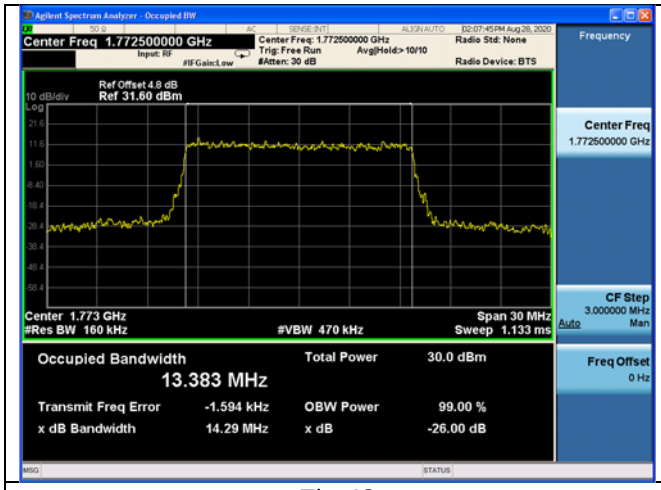

Fig.43

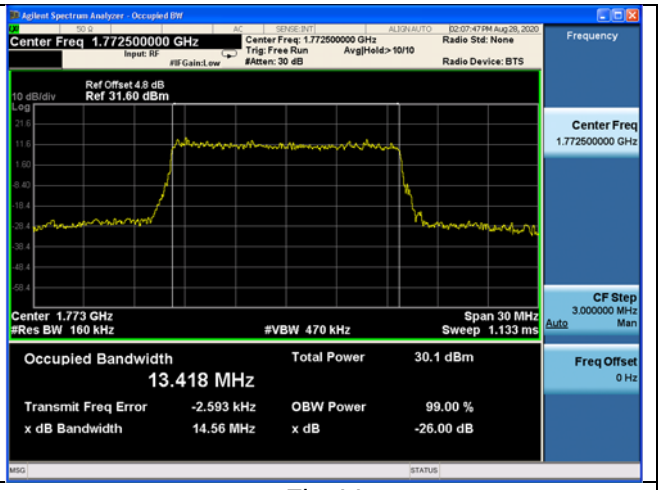

Fig.44

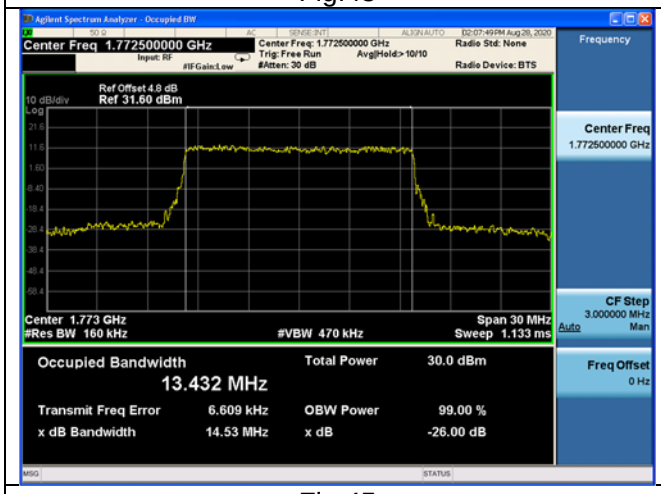

Fig.45

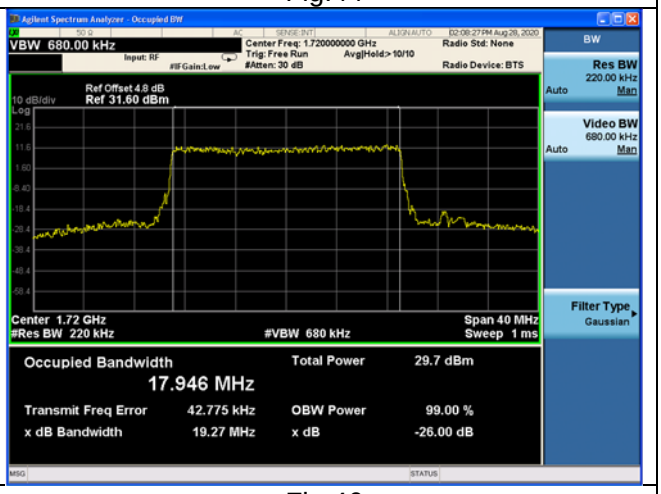

Fig.46

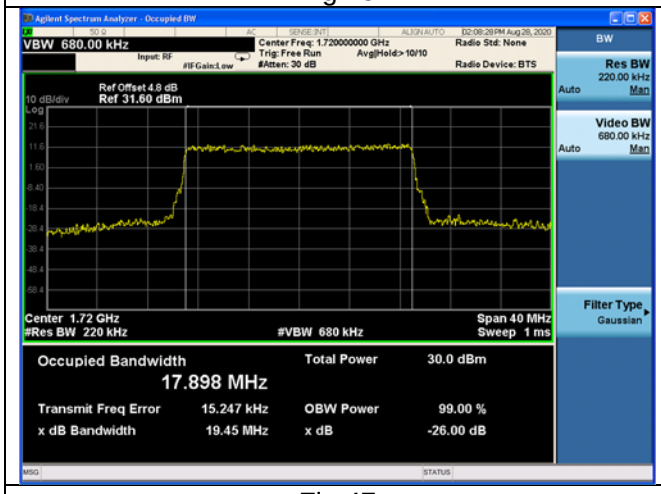

Fig.47

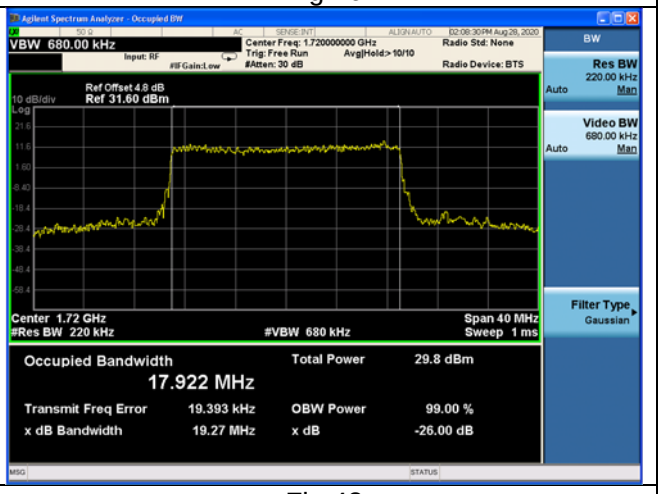

Fig.48

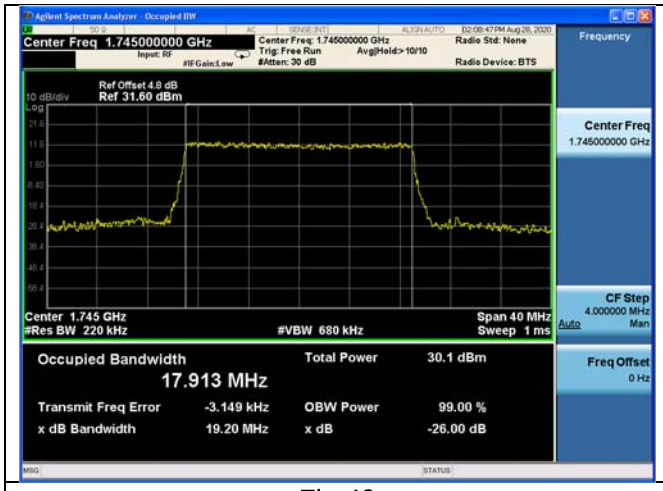

Fig.49

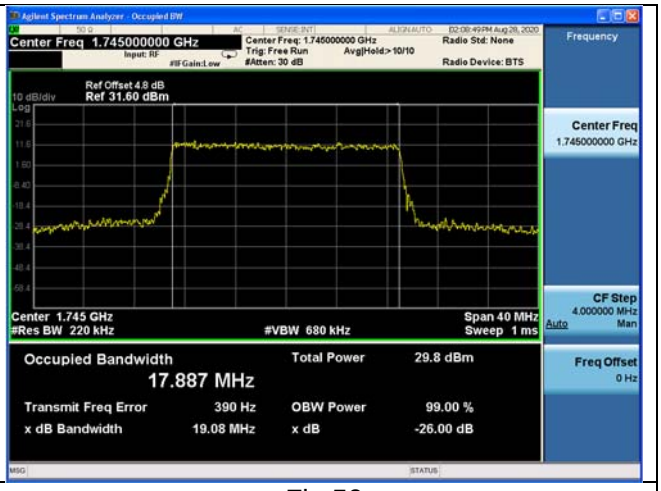

Fig.50

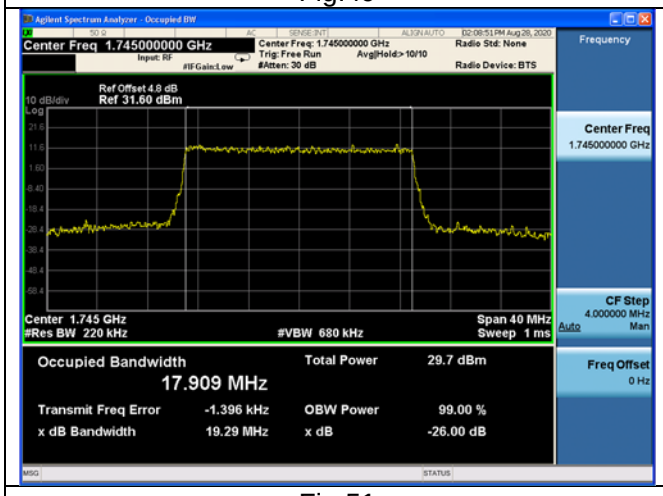

Fig.51

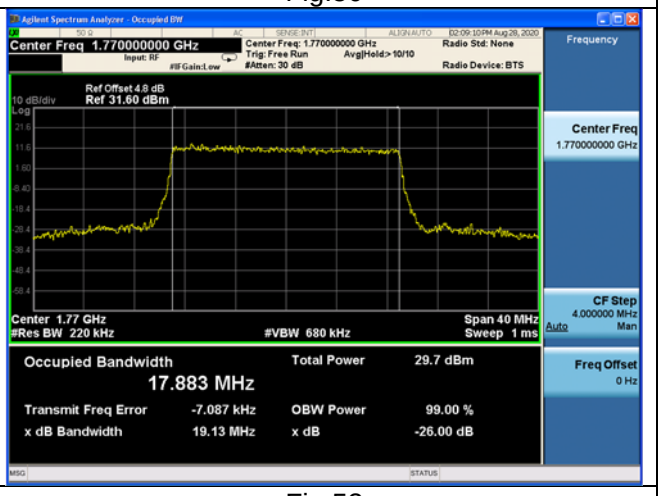

Fig.52

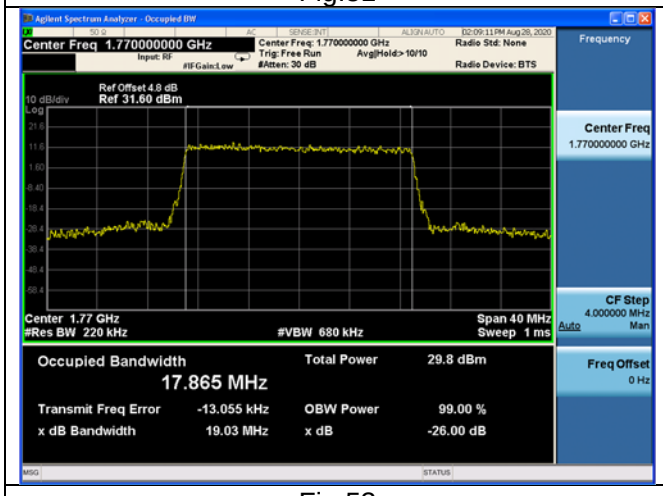

Fig.53

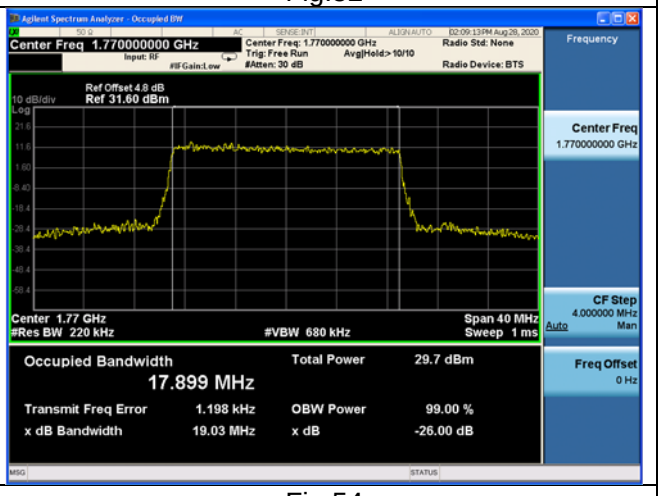

Fig.54

3 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

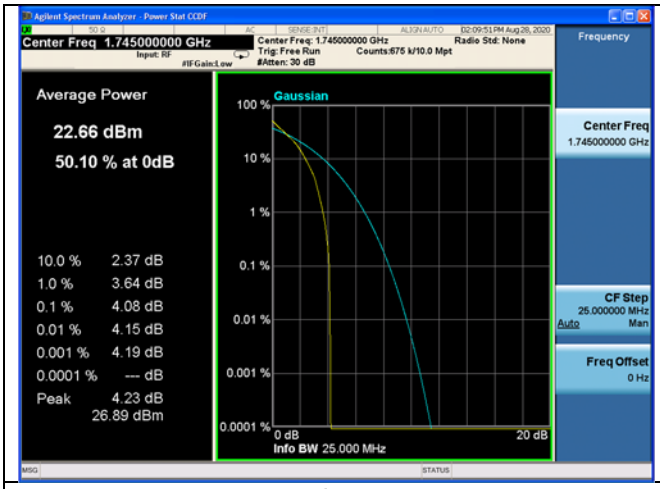

Fig.1

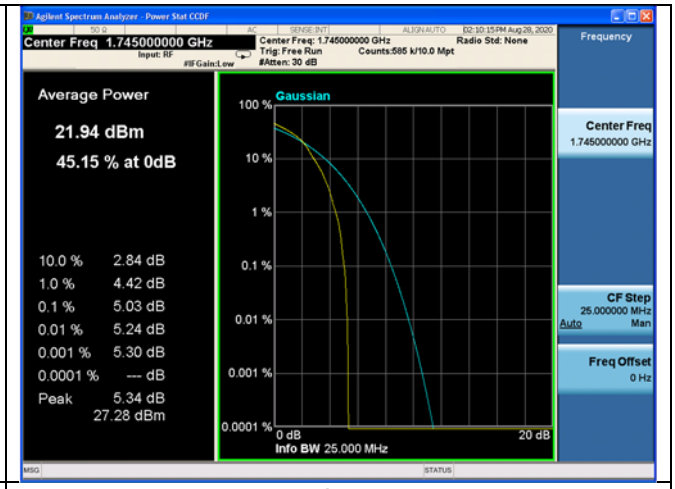

Fig.2

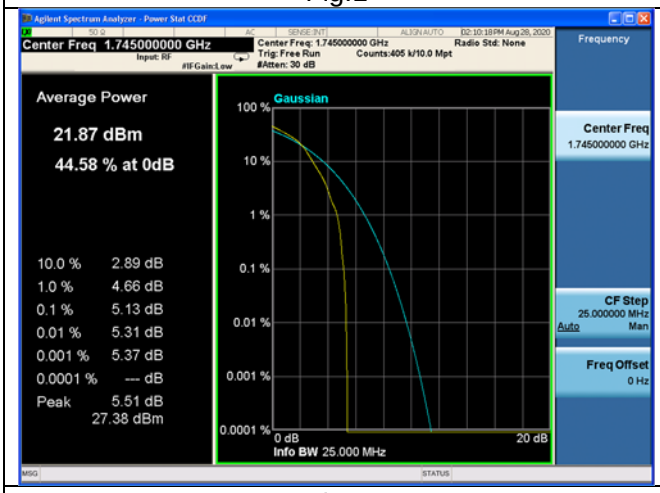

Fig.3

Fig.4

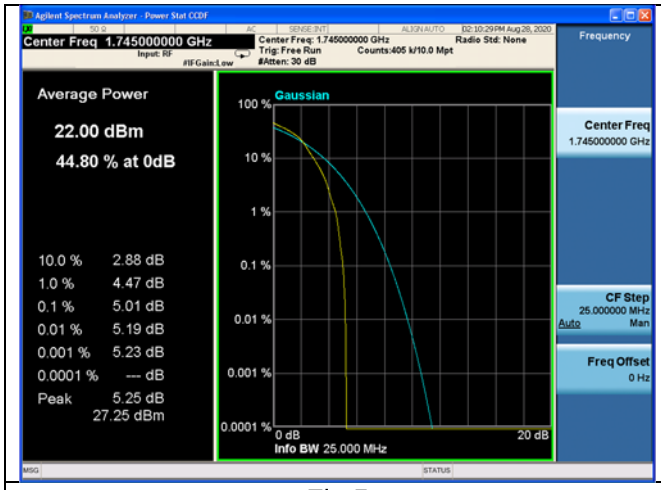

Fig.5

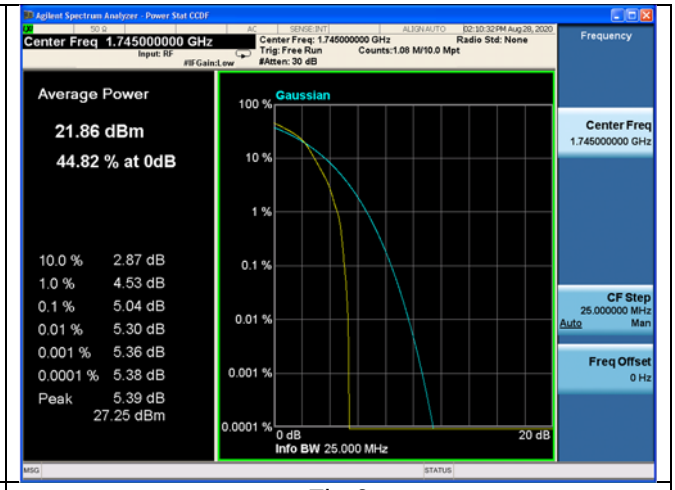

Fig.6

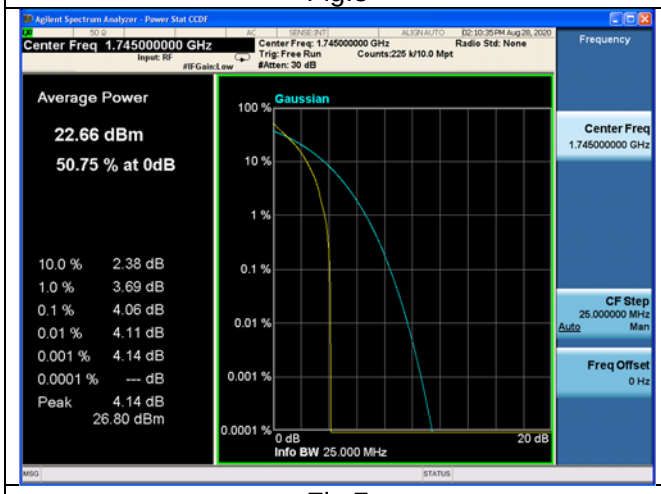

Fig.7

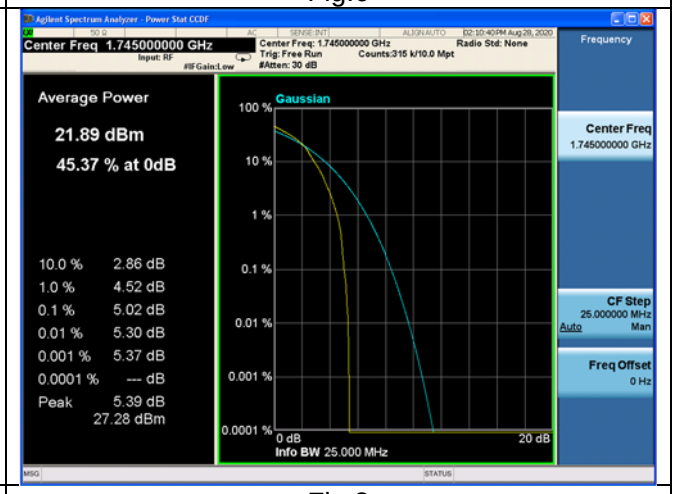

Fig.8

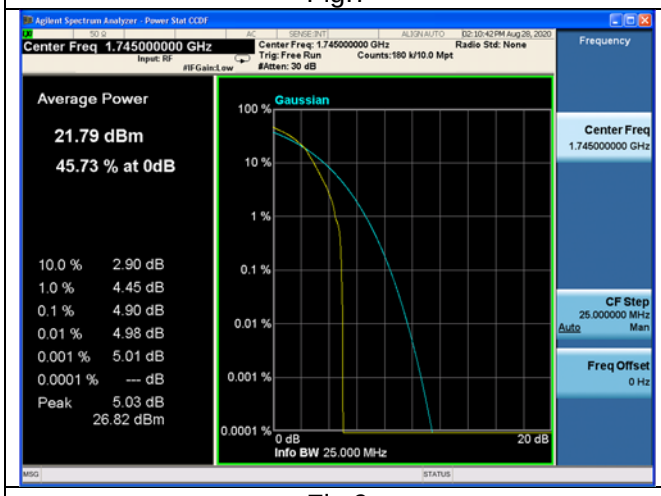

Fig.9

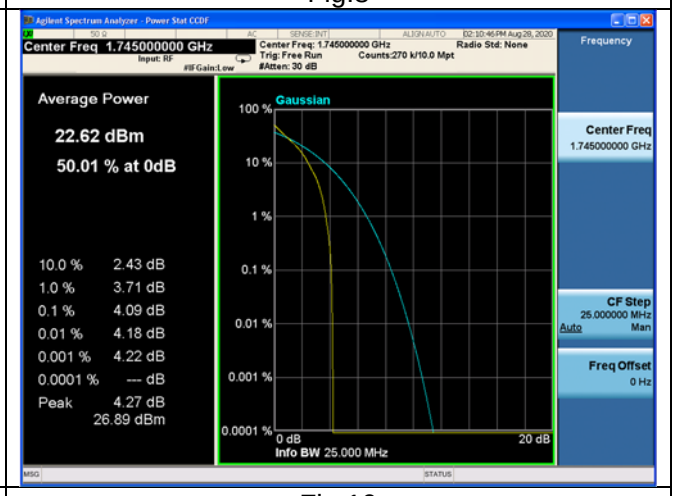

Fig.10