APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	23.33
				1	5	23.21
				3	2	22.30
				6	0	22.45
	1880	18900		1	0	23.30
				1	5	23.21
				3	2	22.63
				6	0	22.73
	1909.3	19193		1	0	23.36
				1	5	23.32
				3	2	22.73
				6	0	22.63
16QAM	1850.7	18607	1.4	1	0	22.58
				1	5	22.50
				3	2	21.35
				6	0	21.49
	1880	18900		1	0	22.56
				1	5	22.52
				3	2	21.70
				6	0	21.72
	1909.3	19193		1	0	22.65
				1	5	22.70
				3	2	21.65
				6	0	21.64
64QAM	1850.7	18607	1.4	1	0	22.44
				1	5	22.35
				3	2	21.39
				6	0	21.36
	1880	18900		1	0	22.37
				1	5	22.41
				3	2	21.71
				6	0	21.71
	1909.3	19193		1	0	22.65
				1	5	22.52
				3	2	21.68
				6	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.27
				1	14	23.28
				8	4	22.31
				15	0	22.41
	1880	18900		1	0	23.33
				1	14	23.33
				8	4	22.70
				15	0	22.59
	1908.5	19185		1	0	23.33
				1	14	23.33
				8	4	22.66
				15	0	22.68
16QAM	1851.5	18615	3	1	0	22.54
				1	14	22.41
				8	4	21.40
				15	0	21.44
	1880	18900		1	0	22.52
				1	14	22.47
				8	4	21.76
				15	0	21.69
	1908.5	19185		1	0	22.65
				1	14	22.73
				8	4	21.67
				15	0	21.59
64QAM	1851.5	18615	3	1	0	22.48
				1	14	22.41
				8	4	21.29
				15	0	21.28
	1880	18900		1	0	22.48
				1	14	22.42
				8	4	21.67
				15	0	21.63
	1908.5	19185		1	0	22.54
				1	14	22.63
				8	4	21.71
				15	0	21.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.41
				1	24	23.29
				12	6	22.36
				25	0	22.38
	1880	18900		1	0	23.34
				1	24	23.25
				12	6	22.62
				25	0	22.65
	1907.5	19175		1	0	23.34
				1	24	23.44
				12	6	22.78
				25	0	22.67
16QAM	1852.5	18625	5	1	0	22.53
				1	24	22.54
				12	6	21.41
				25	0	21.38
	1880	18900		1	0	22.50
				1	24	22.57
				12	6	21.78
				25	0	21.70
	1907.5	19175		1	0	22.62
				1	24	22.73
				12	6	21.65
				25	0	21.71
64QAM	1852.5	18625	5	1	0	22.53
				1	24	22.42
				12	6	21.29
				25	0	21.41
	1880	18900		1	0	22.37
				1	24	22.42
				12	6	21.68
				25	0	21.66
	1907.5	19175		1	0	22.56
				1	24	22.57
				12	6	21.68
				25	0	21.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.38
				1	49	23.33
				24	12	22.38
				50	0	22.41
	1880	18900		1	0	23.24
				1	49	23.32
				24	12	22.73
				50	0	22.63
	1905	19150		1	0	23.35
				1	49	23.37
				24	12	22.79
				50	0	22.64
16QAM	1855	18650	10	1	0	22.51
				1	49	22.56
				24	12	21.33
				50	0	21.48
	1880	18900		1	0	22.52
				1	49	22.51
				24	12	21.70
				50	0	21.66
	1905	19150		1	0	22.63
				1	49	22.63
				24	12	21.76
				50	0	21.64
64QAM	1855	18650	10	1	0	22.50
				1	49	22.43
				24	12	21.40
				50	0	21.35
	1880	18900		1	0	22.47
				1	49	22.48
				24	12	21.66
				50	0	21.70
	1905	19150		1	0	22.57
				1	49	22.62
				24	12	21.61
				50	0	21.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.32
				1	74	23.28
				40	18	22.42
				75	0	22.33
	1880	18900		1	0	23.24
				1	74	23.26
				40	18	22.62
				75	0	22.71
	1902.5	19125		1	0	23.37
				1	74	23.41
				40	18	22.73
				75	0	22.64
16QAM	1857.5	18675	15	1	0	22.62
				1	74	22.42
				40	18	21.40
				75	0	21.43
	1880	18900		1	0	22.53
				1	74	22.50
				40	18	21.66
				75	0	21.63
	1902.5	19125		1	0	22.71
				1	74	22.65
				40	18	21.78
				75	0	21.62
64QAM	1857.5	18675	15	1	0	22.44
				1	74	22.37
				40	18	21.32
				75	0	21.33
	1880	18900		1	0	22.39
				1	74	22.47
				40	18	21.70
				75	0	21.65
	1902.5	19125		1	0	22.63
				1	74	22.65
				40	18	21.73
				75	0	21.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.42
				1	99	23.33
				50	25	22.45
				100	0	22.47
	1880	18900		1	0	23.38
				1	99	23.35
				50	25	22.75
				100	0	22.73
	1900	19100		1	0	23.44
				1	99	23.46
				50	25	22.81
				100	0	22.74
16QAM	1860	18700	20	1	0	22.65
				1	99	22.56
				50	25	21.46
				100	0	21.49
	1880	18900		1	0	22.57
				1	99	22.60
				50	25	21.81
				100	0	21.75
	1900	19100		1	0	22.72
				1	99	22.74
				50	25	21.79
				100	0	21.72
64QAM	1860	18700	20	1	0	22.56
				1	99	22.49
				50	25	21.42
				100	0	21.43
	1880	18900		1	0	22.49
				1	99	22.51
				50	25	21.78
				100	0	21.76
	1900	19100		1	0	22.68
				1	99	22.67
				50	25	21.74
				100	0	21.69

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	1.0809	Fig.1	1.0785	Fig.2	1.0817	Fig.3
	1880.0	18900		6	0	1.0781	Fig.4	1.0801	Fig.5	1.0804	Fig.6
	1909.3	19193		6	0	1.0800	Fig.7	1.0793	Fig.8	1.0820	Fig.9
	1851.5	18615	3	15	0	2.6802	Fig.10	2.6859	Fig.11	2.6862	Fig.12
	1880.0	18900		15	0	2.6820	Fig.13	2.6815	Fig.14	2.6886	Fig.15
	1908.5	19185		15	0	2.6851	Fig.16	2.6870	Fig.17	2.6911	Fig.18
	1852.5	18625	5	25	0	4.4796	Fig.19	4.4712	Fig.20	4.4790	Fig.21
	1880.0	18900		25	0	4.4750	Fig.22	4.4739	Fig.23	4.4701	Fig.24
	1907.5	19175		25	0	4.4777	Fig.25	4.4686	Fig.26	4.4818	Fig.27
	1855	18650	10	50	0	8.9526	Fig.28	8.9443	Fig.29	8.9429	Fig.30
	1880	18900		50	0	8.9542	Fig.31	8.9643	Fig.32	8.9509	Fig.33
	1905	19150		50	0	8.9850	Fig.34	8.9730	Fig.35	8.9517	Fig.36
	1857.5	18675	15	75	0	13.456	Fig.37	13.416	Fig.38	13.412	Fig.39
	1880.0	18900		75	0	13.401	Fig.40	13.413	Fig.41	13.459	Fig.42
	1902.5	19125		75	0	13.461	Fig.43	13.396	Fig.44	13.422	Fig.45
	1860	18700	20	100	0	17.869	Fig.46	17.819	Fig.47	17.789	Fig.48
	1880	18900		100	0	17.888	Fig.49	17.911	Fig.50	17.860	Fig.51
	1900	19100		100	0	17.893	Fig.52	17.826	Fig.53	17.838	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	1.229	Fig.1	1.223	Fig.2	1.243	Fig.3
	1880.0	18900		6	0	1.241	Fig.4	1.239	Fig.5	1.225	Fig.6
	1909.3	19193		6	0	1.244	Fig.7	1.231	Fig.8	1.236	Fig.9
	1851.5	18615	3	15	0	2.905	Fig.10	2.891	Fig.11	2.891	Fig.12
	1880.0	18900		15	0	2.874	Fig.13	2.869	Fig.14	2.879	Fig.15
	1908.5	19185		15	0	2.897	Fig.16	2.899	Fig.17	2.875	Fig.18
	1852.5	18625	5	25	0	4.867	Fig.19	4.808	Fig.20	4.792	Fig.21
	1880.0	18900		25	0	4.824	Fig.22	4.824	Fig.23	4.852	Fig.24
	1907.5	19175		25	0	4.846	Fig.25	4.818	Fig.26	4.847	Fig.27
	1855	18650	10	50	0	9.592	Fig.28	9.607	Fig.29	9.489	Fig.30
	1880	18900		50	0	9.539	Fig.31	9.611	Fig.32	9.618	Fig.33
	1905	19150		50	0	9.544	Fig.34	9.566	Fig.35	9.586	Fig.36
	1857.5	18675	15	75	0	14.23	Fig.37	14.13	Fig.38	14.11	Fig.39
	1880.0	18900		75	0	14.25	Fig.40	14.39	Fig.41	14.15	Fig.42
	1902.5	19125		75	0	14.28	Fig.43	14.32	Fig.44	14.30	Fig.45
	1860	18700	20	100	0	18.90	Fig.46	18.98	Fig.47	18.87	Fig.48
	1880	18900		100	0	18.96	Fig.49	18.80	Fig.50	18.91	Fig.51
	1900	19100		100	0	18.90	Fig.52	18.95	Fig.53	18.91	Fig.54

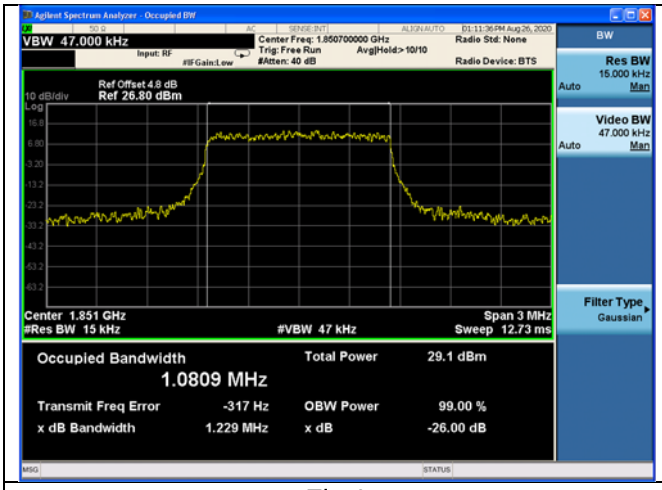

Fig.1

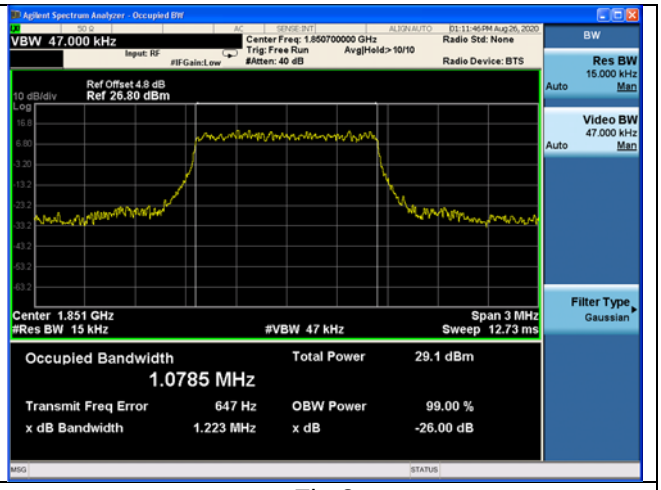

Fig.2

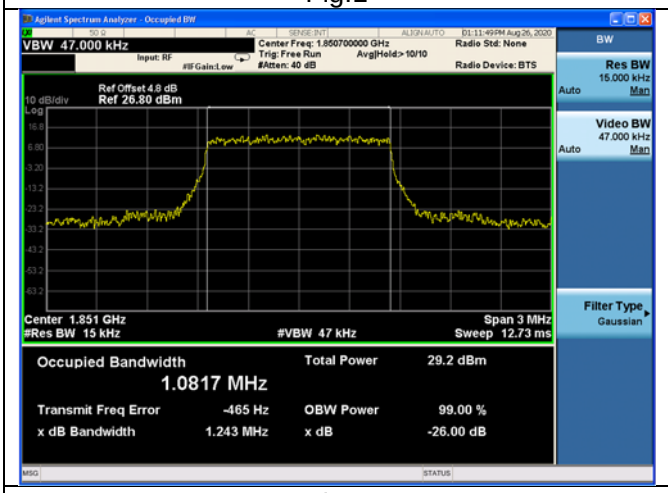

Fig.3

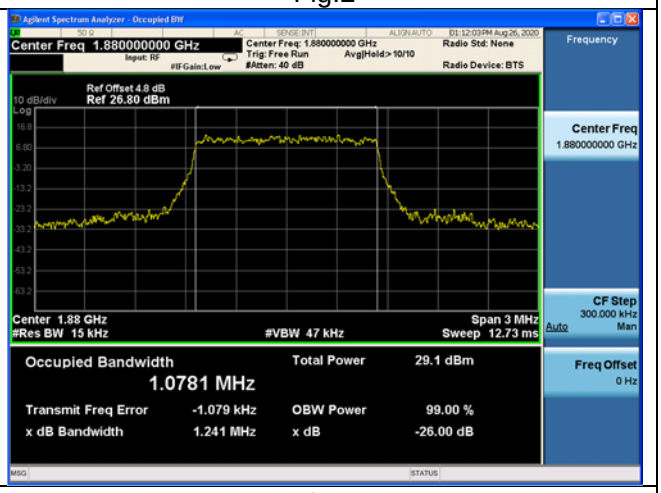

Fig.4

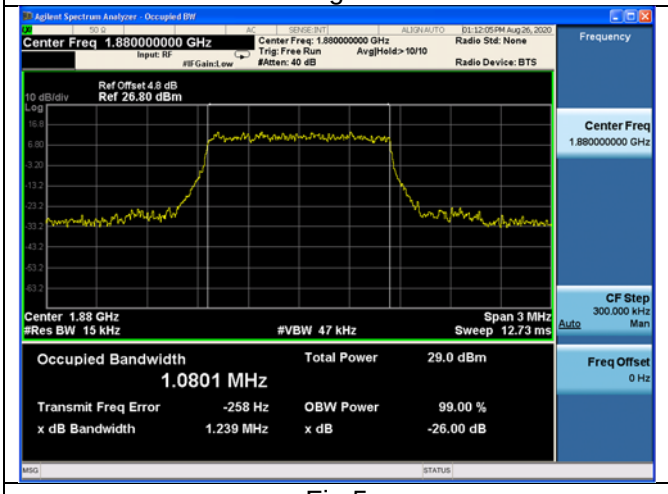

Fig.5

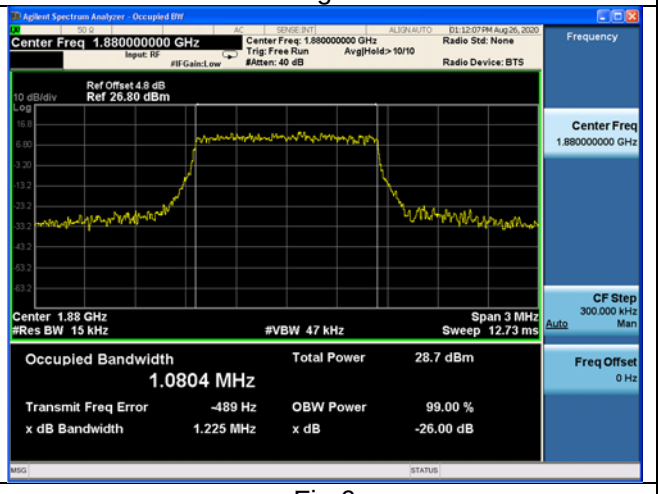

Fig.6

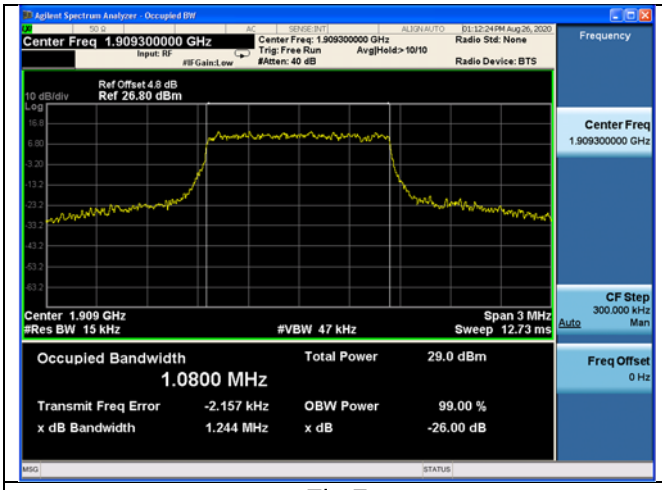

Fig.7

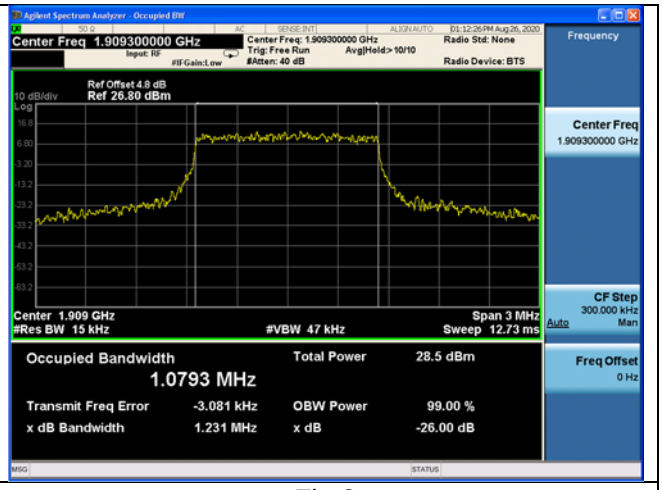

Fig.8

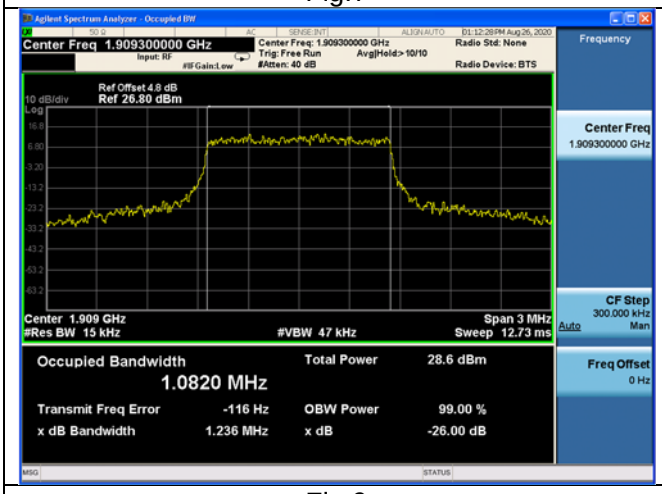

Fig.9

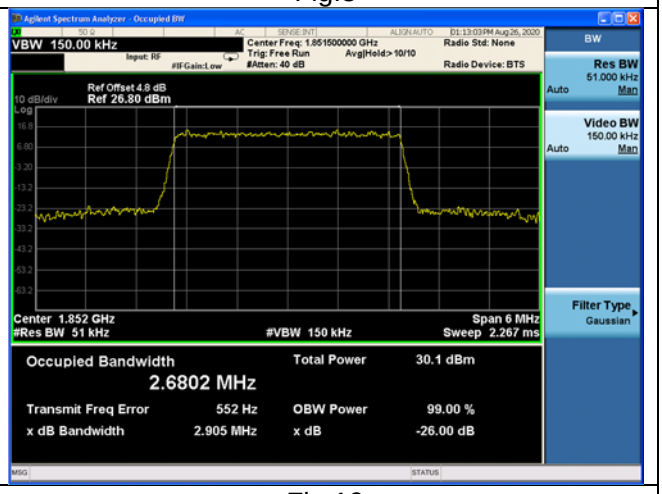

Fig.10

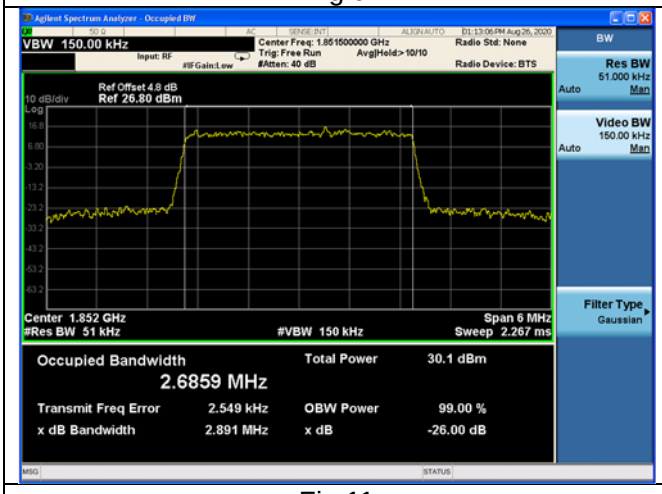

Fig.11

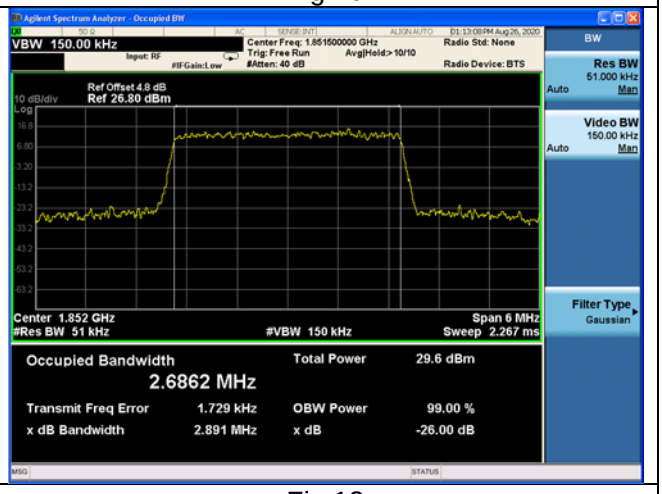

Fig.12

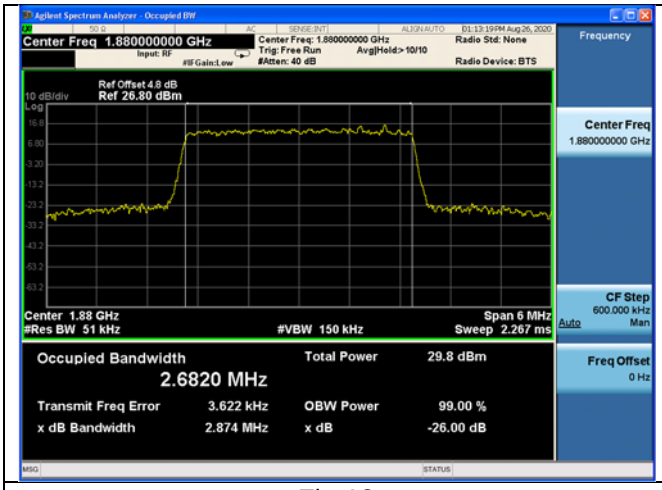

Fig.13

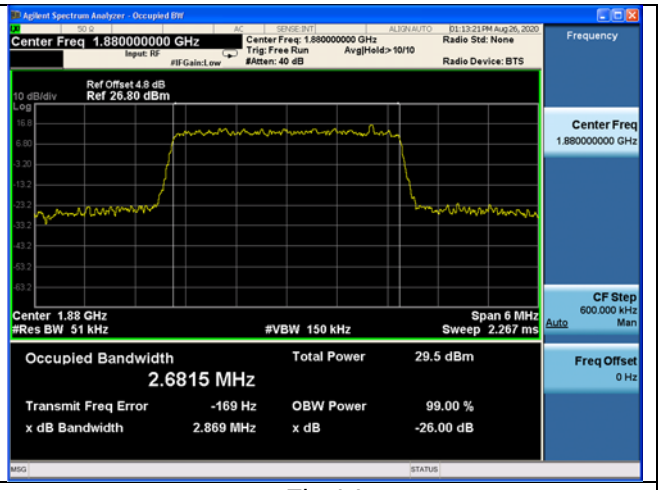

Fig.14

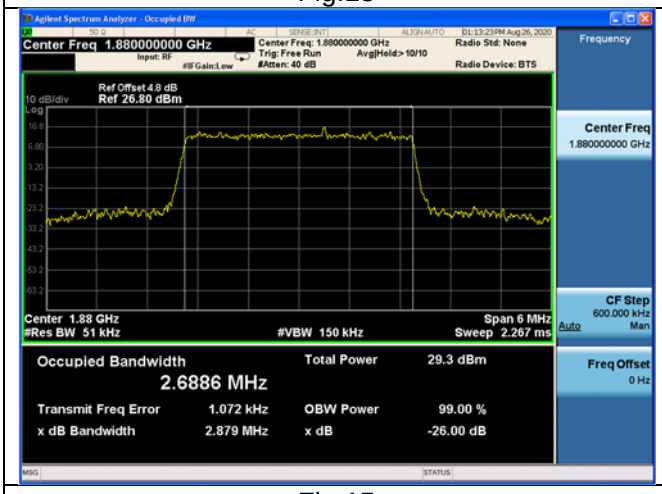

Fig.15

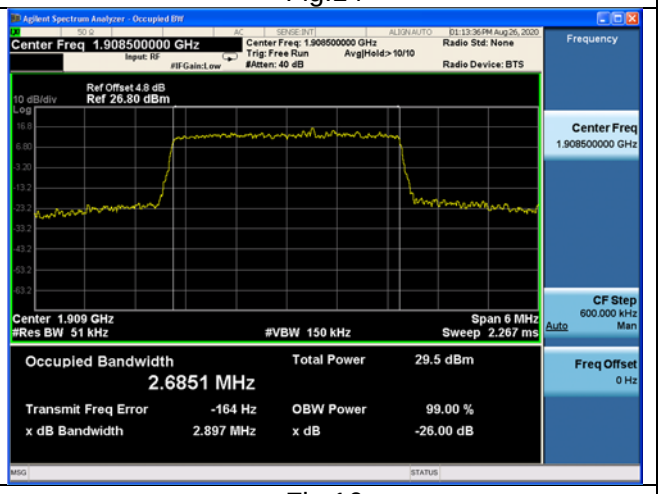

Fig.16

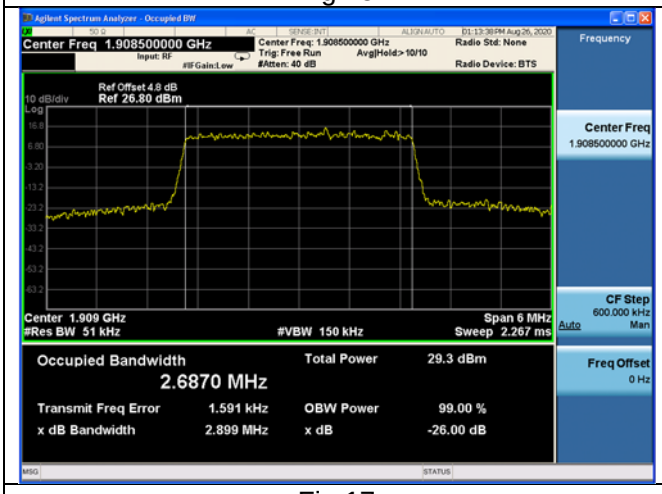

Fig.17

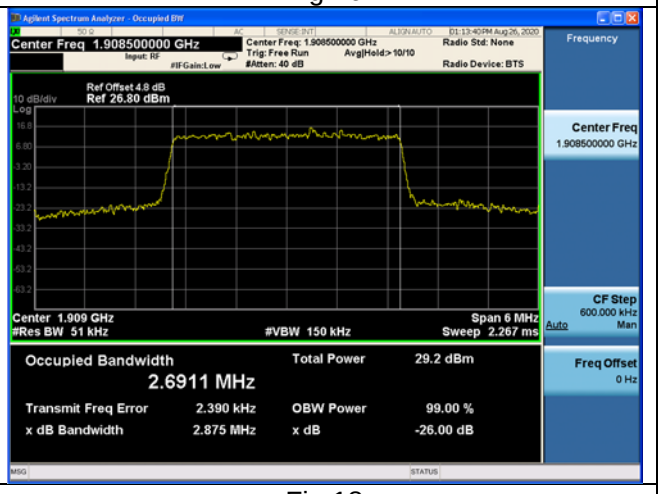

Fig.18

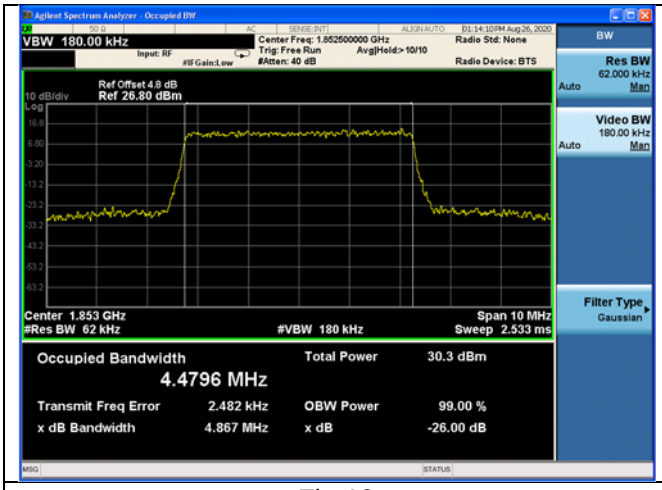

Fig.19

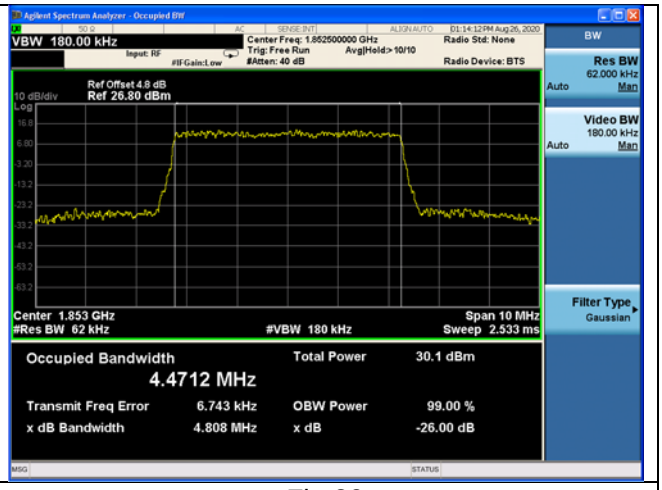

Fig.20

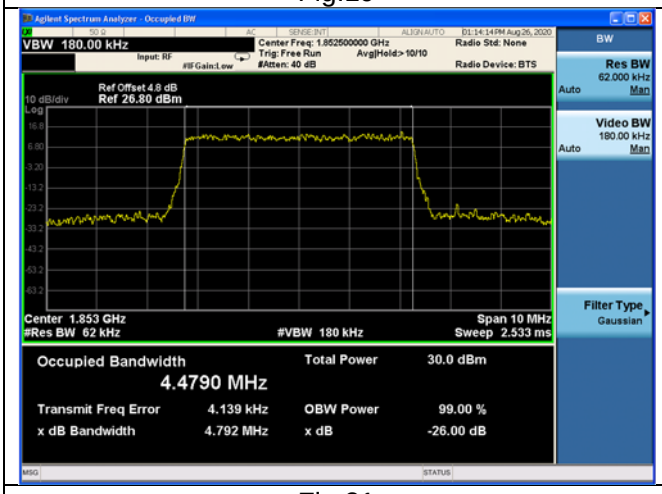

Fig.21

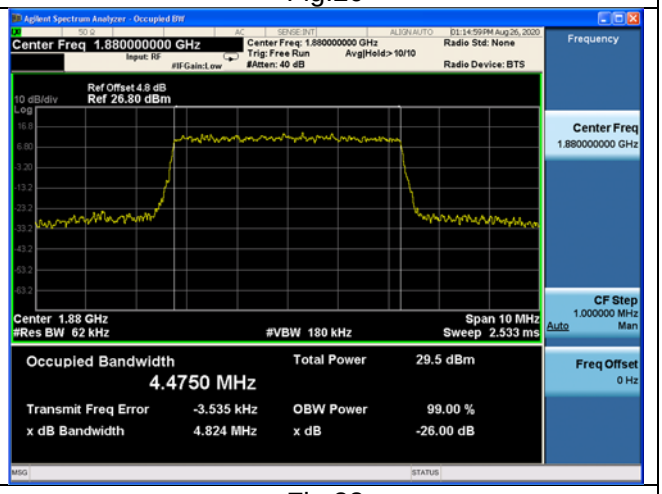

Fig.22

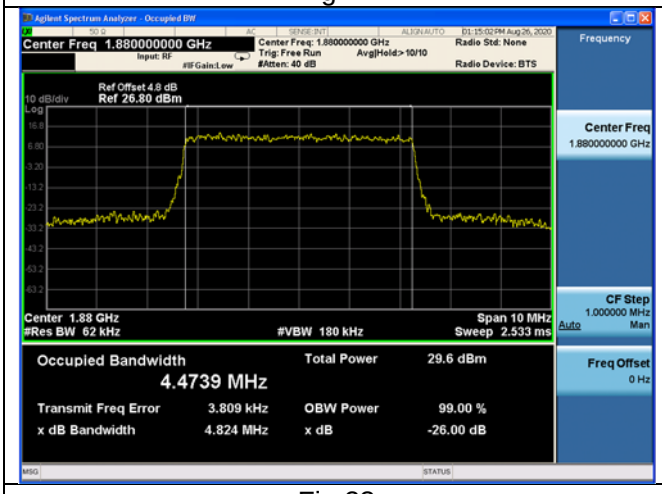

Fig.23

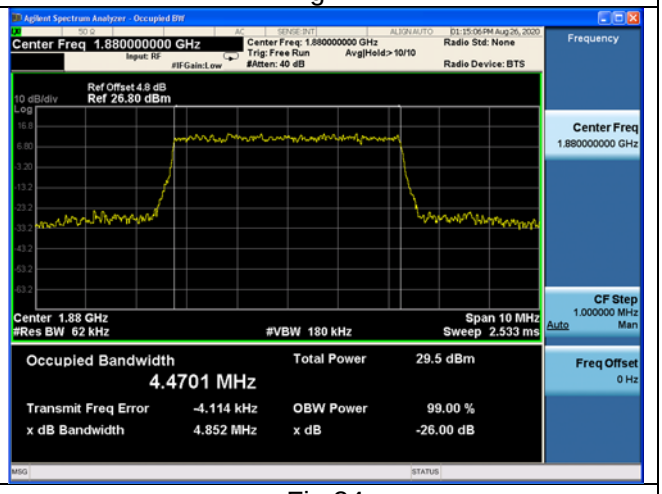

Fig.24

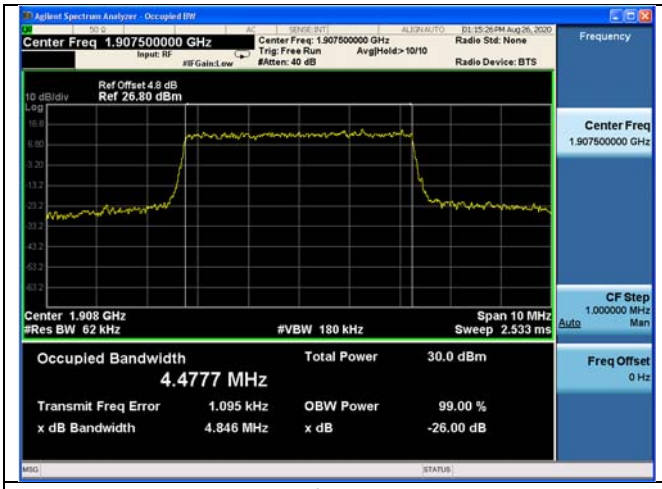

Fig.25

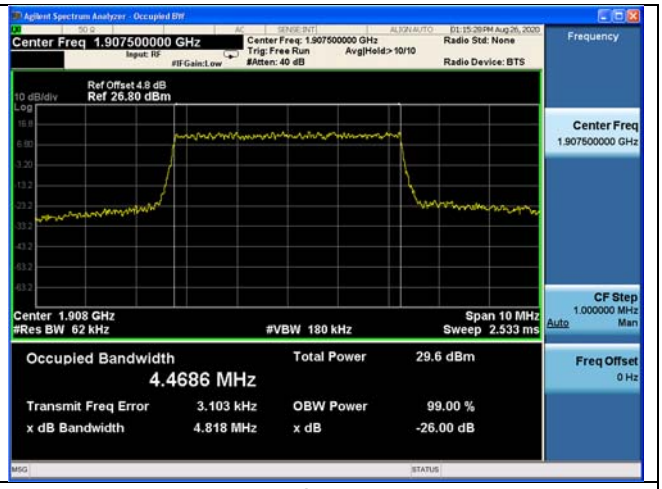

Fig.26

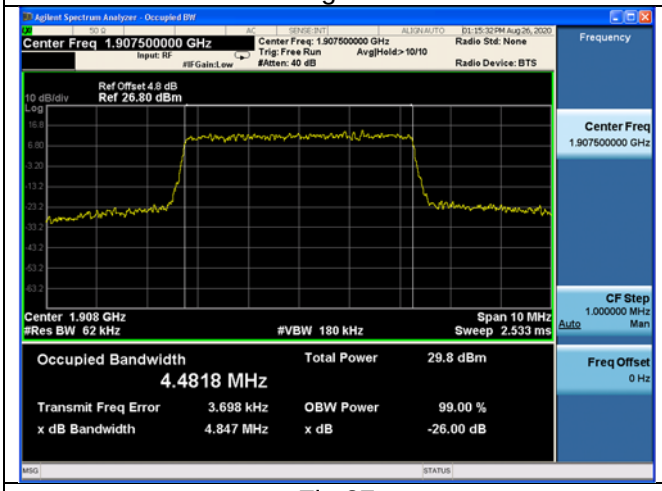

Fig.27

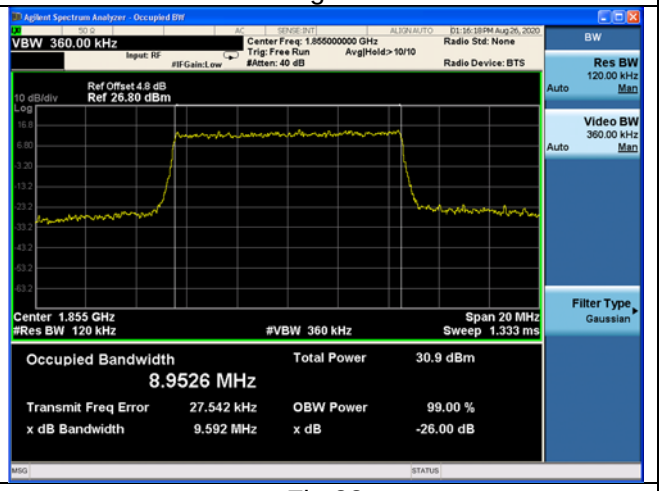

Fig.28

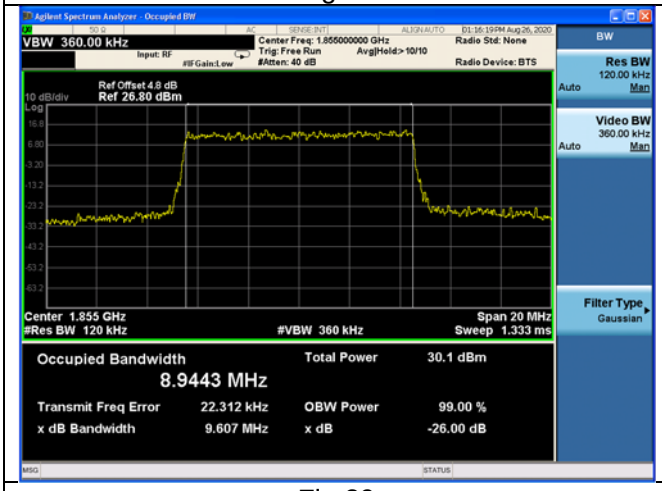

Fig.29

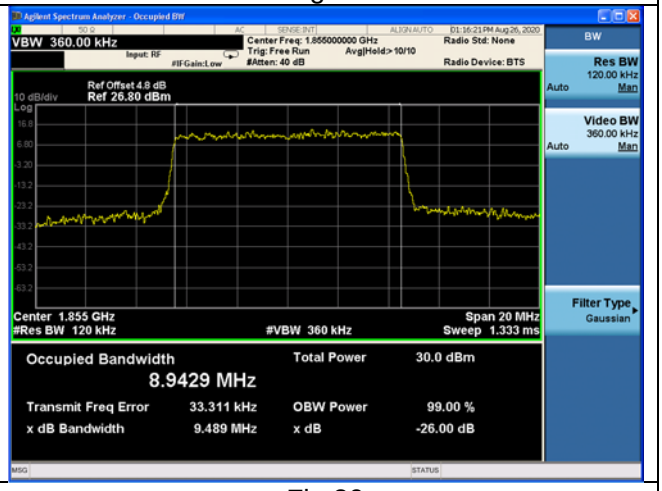

Fig.30

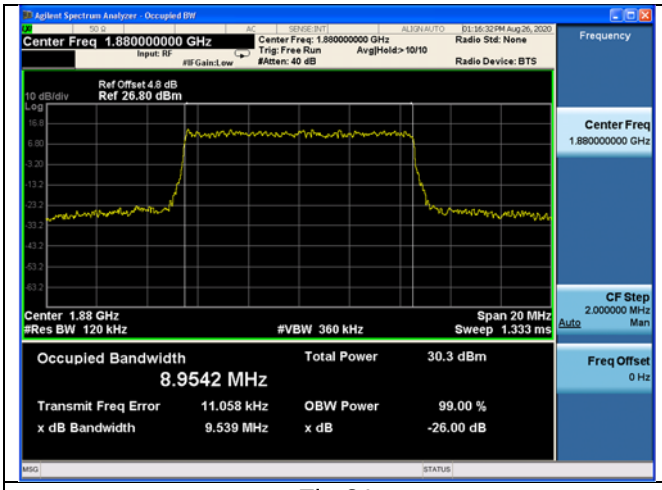

Fig.31

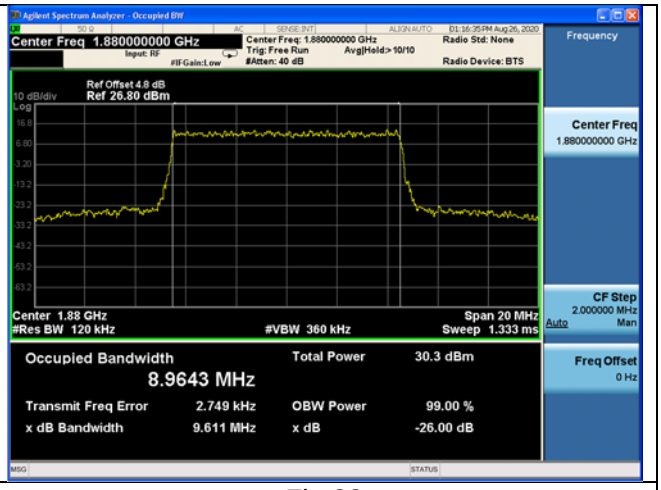

Fig.32

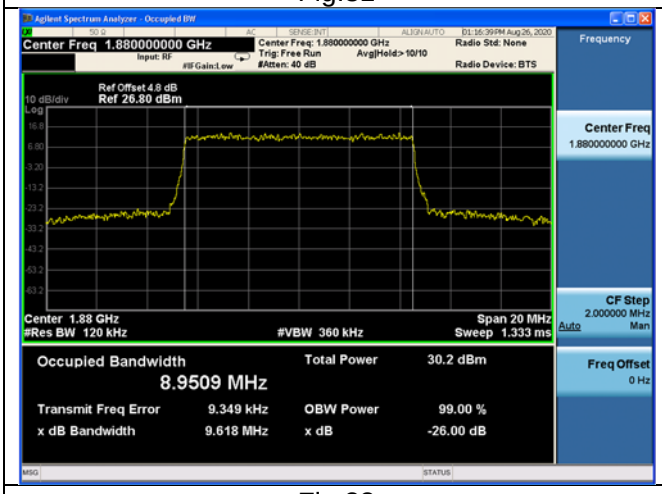

Fig.33

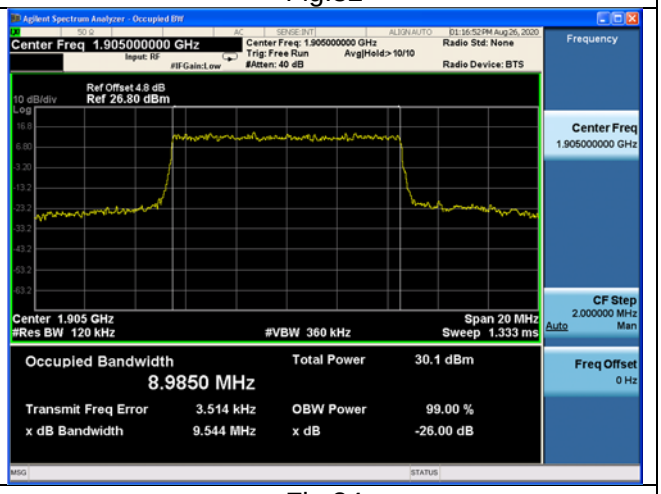

Fig.34

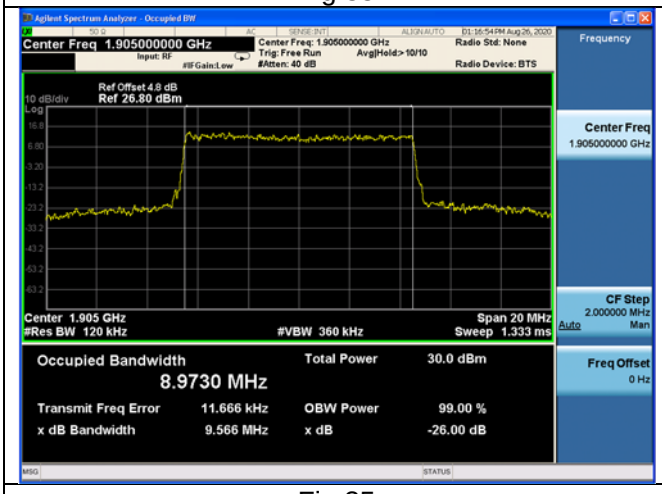

Fig.35

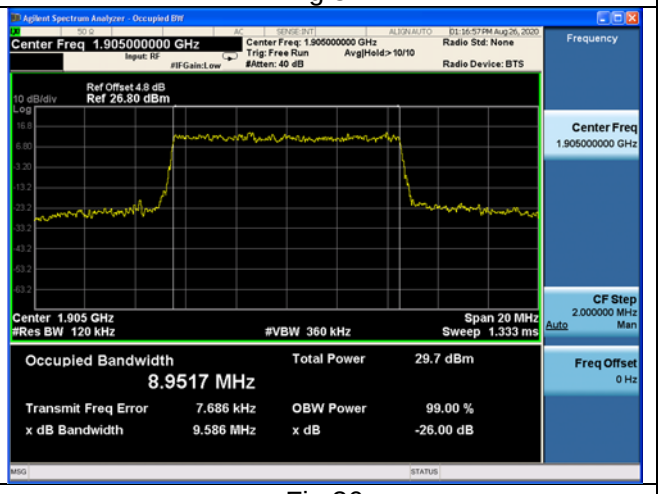

Fig.36

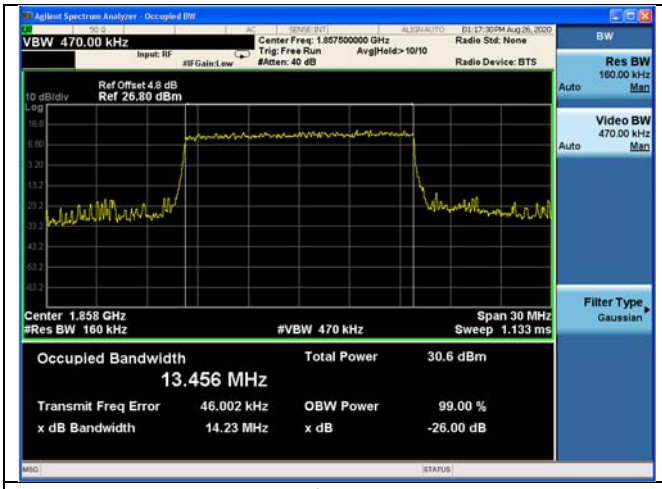

Fig.37

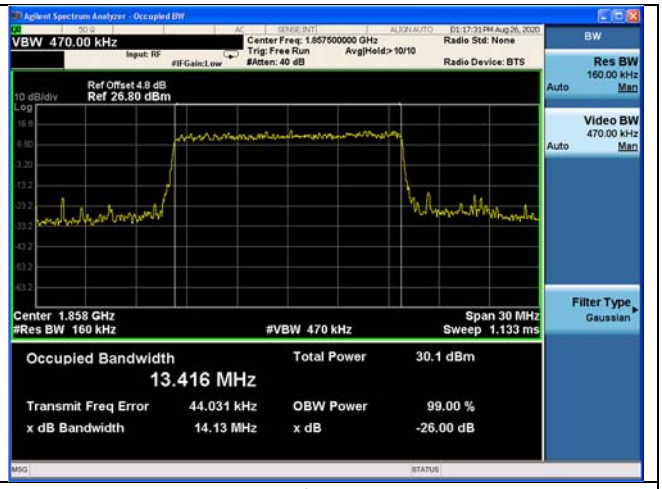

Fig.38

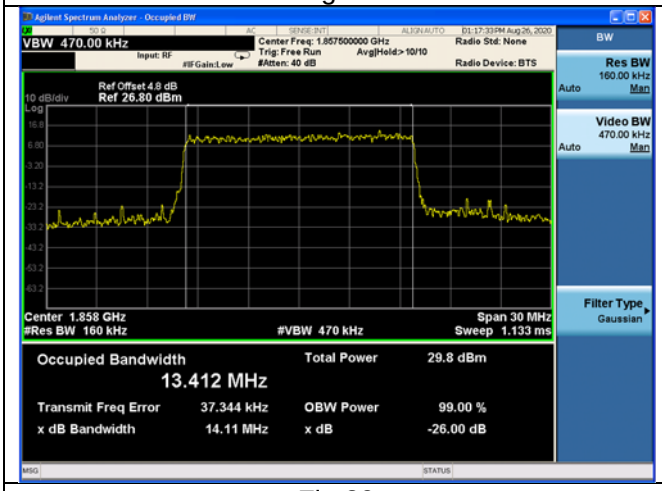

Fig.39

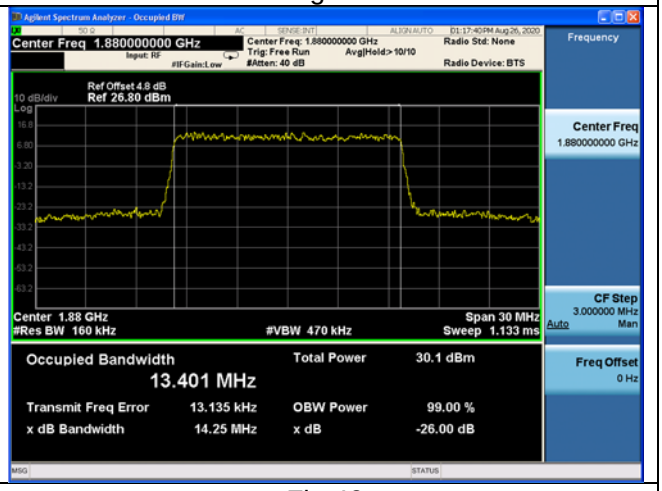

Fig.40

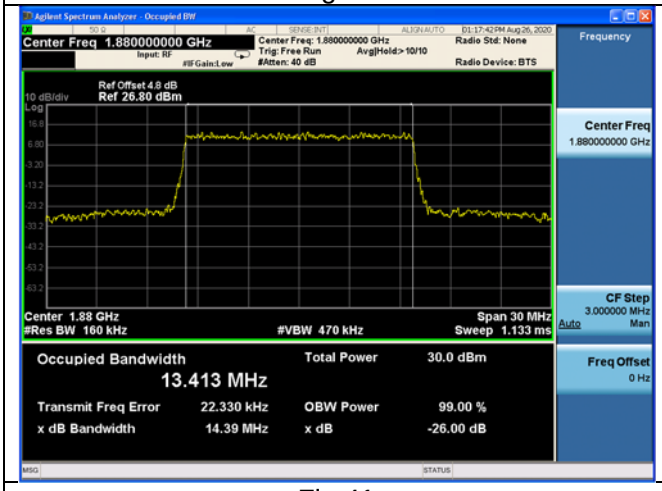

Fig.41

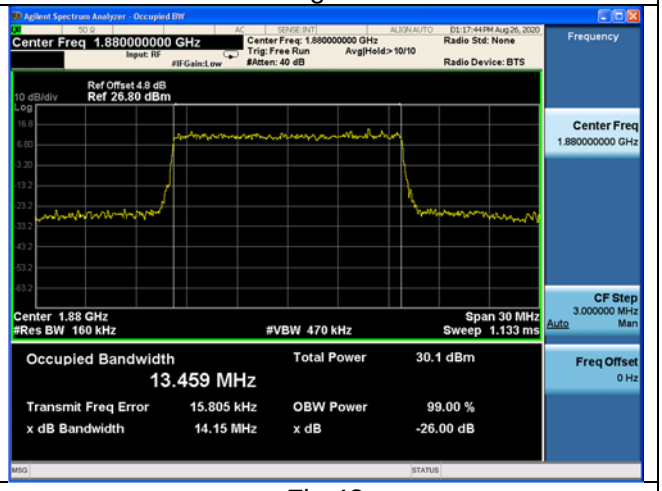

Fig.42

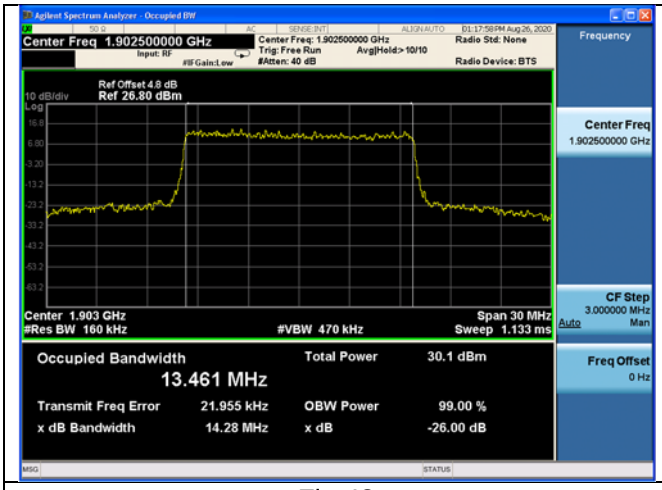

Fig.43

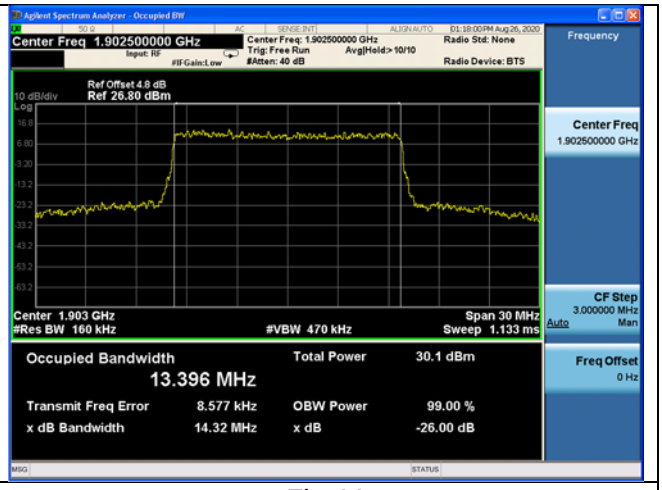

Fig.44

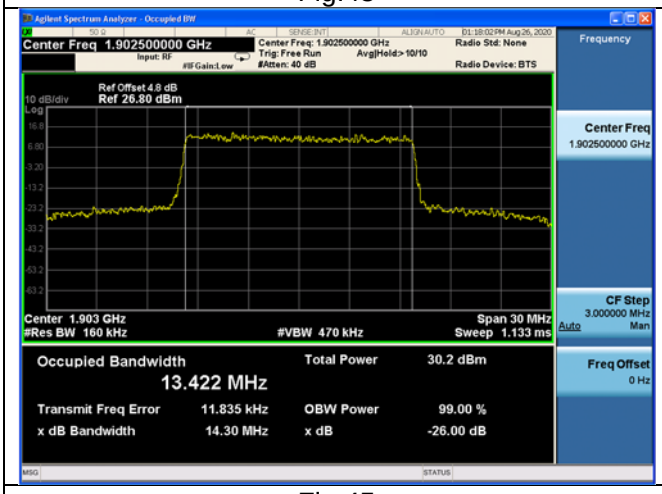

Fig.45

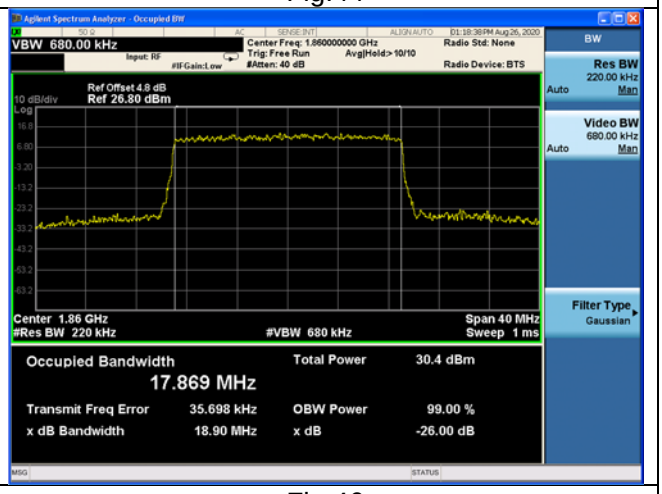

Fig.46

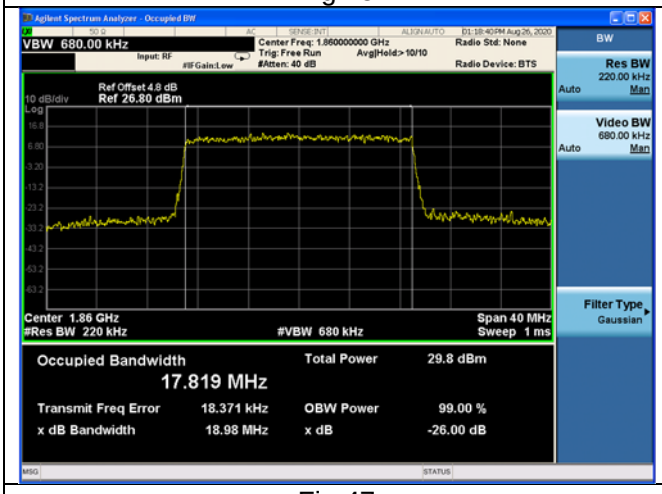

Fig.47

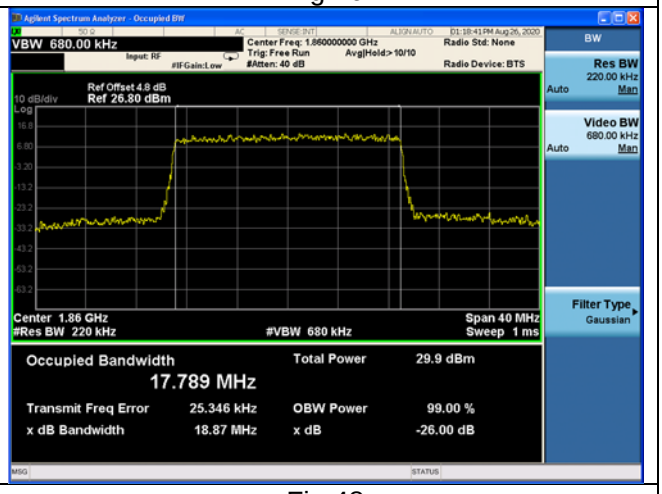

Fig.48

Fig.49

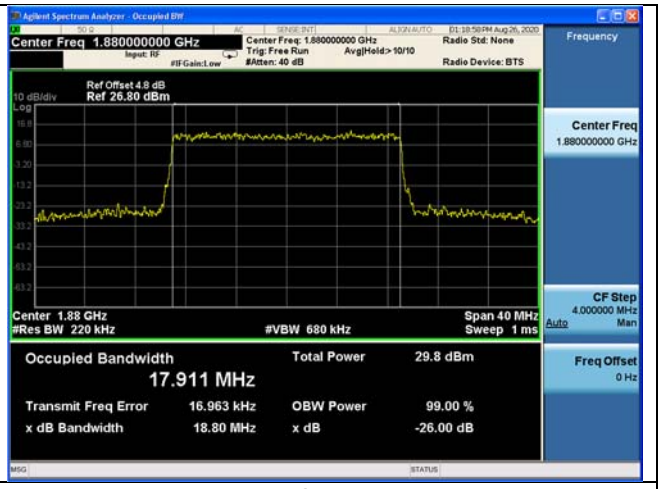

Fig.50

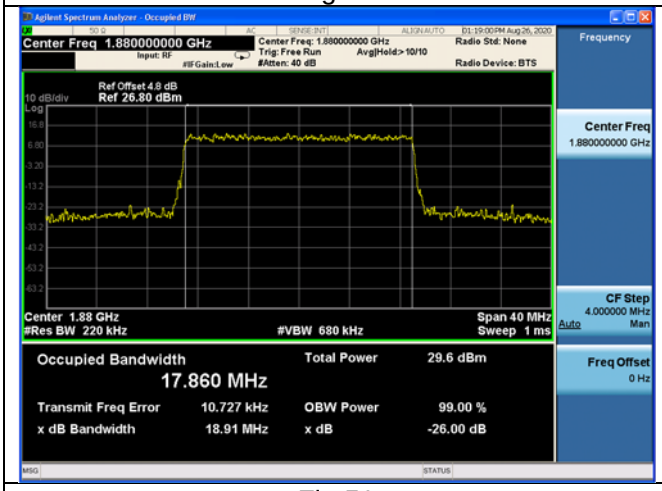

Fig.51

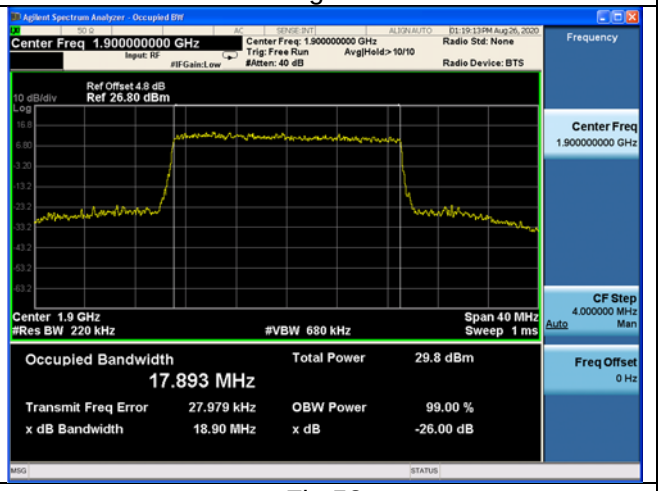

Fig.52

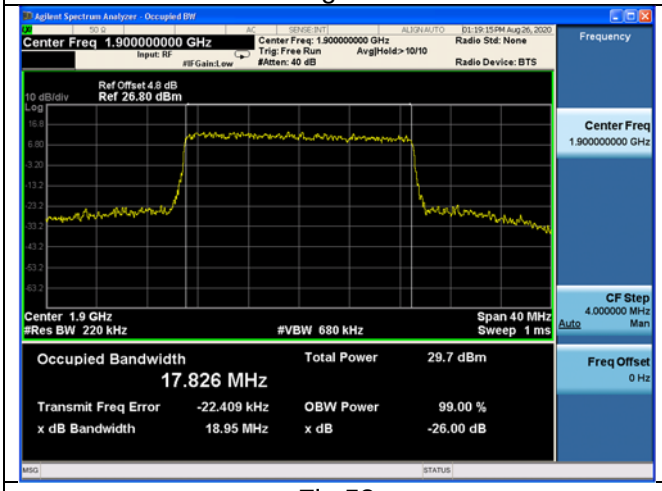

Fig.53

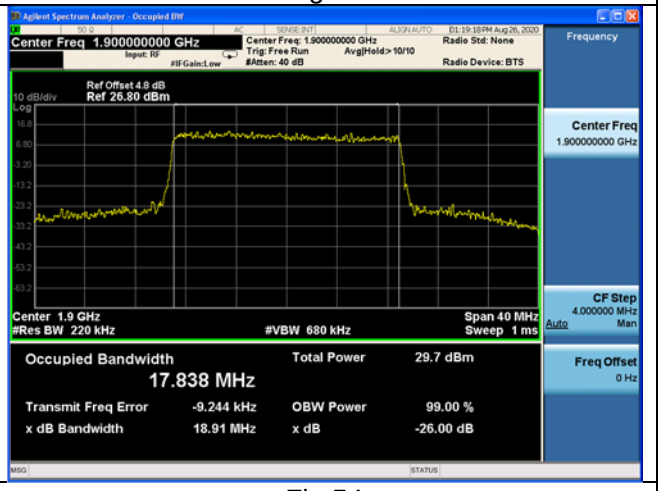

Fig.54

3 Peak-Average Ratio

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

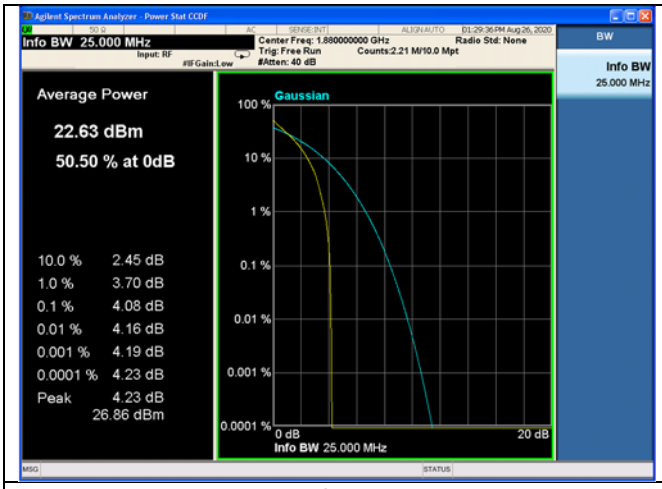

Fig.1

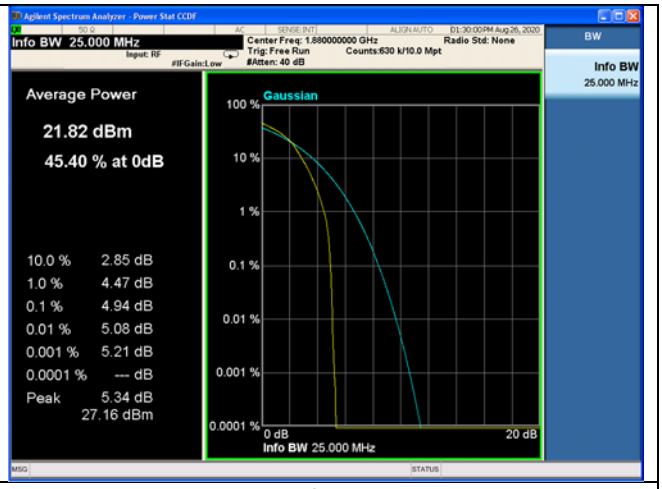

Fig.2

Fig.3

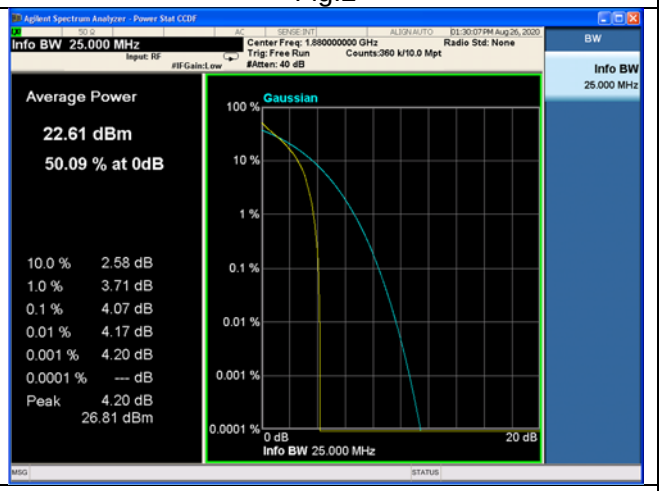

Fig.4

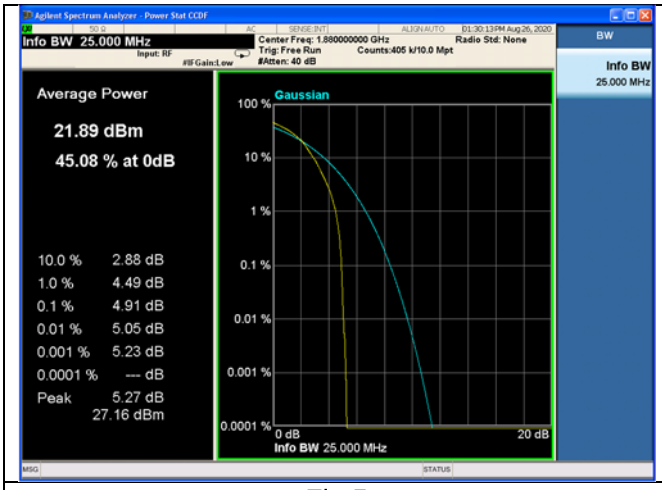

Fig.5

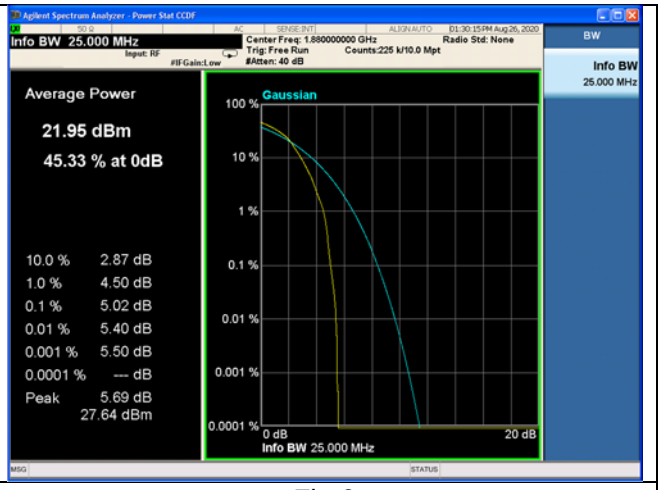

Fig.6

Fig.7

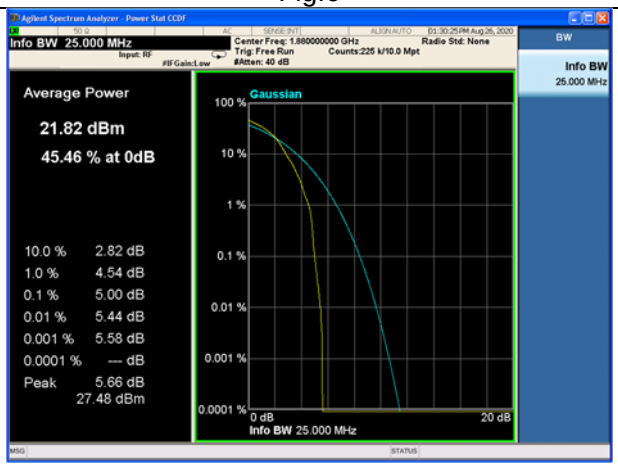

Fig.8

Fig.9

Fig.10