

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 25

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	26047	1.4	1	0	23.19
				1	5	23.10
				3	2	22.30
				6	0	22.31
	1882.5	26365		1	0	23.14
				1	5	23.22
				3	2	22.53
				6	0	22.50
	1914.3	26683		1	0	23.19
				1	5	23.19
				3	2	22.67
				6	0	22.66
16QAM	1850.7	26047	1.4	1	0	22.49
				1	5	22.28
				3	2	21.30
				6	0	21.26
	1882.5	26365		1	0	22.47
				1	5	22.41
				3	2	21.50
				6	0	21.51
	1914.3	26683		1	0	22.45
				1	5	22.25
				3	2	21.62
				6	0	21.56
64QAM	1850.7	26047	1.4	1	0	22.35
				1	5	22.19
				3	2	21.20
				6	0	21.25
	1882.5	26365		1	0	22.34
				1	5	22.35
				3	2	21.51
				6	0	21.43
	1914.3	26683		1	0	22.40
				1	5	22.37
				3	2	21.59
				6	0	21.66

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	26055	3	1	0	23.26
				1	14	23.04
				8	4	22.32
				15	0	22.21
	1882.5	26365		1	0	23.20
				1	14	23.21
				8	4	22.51
				15	0	22.43
	1913.5	26675		1	0	23.22
				1	14	23.10
				8	4	22.71
				15	0	22.65
16QAM	1851.5	26055	3	1	0	22.47
				1	14	22.38
				8	4	21.24
				15	0	21.24
	1882.5	26365		1	0	22.38
				1	14	22.41
				8	4	21.45
				15	0	21.56
	1913.5	26675		1	0	22.44
				1	14	22.26
				8	4	21.61
				15	0	21.59
64QAM	1851.5	26055	3	1	0	22.41
				1	14	22.25
				8	4	21.32
				15	0	21.29
	1882.5	26365		1	0	22.45
				1	14	22.32
				8	4	21.53
				15	0	21.44
	1913.5	26675		1	0	22.39
				1	14	22.47
				8	4	21.61
				15	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	26065	5	1	0	23.17
				1	24	23.06
				12	6	22.32
				25	0	22.26
	1882.5	26365		1	0	23.13
				1	24	23.19
				12	6	22.52
				25	0	22.46
	1912.5	26665		1	0	23.24
				1	24	23.22
				12	6	22.64
				25	0	22.55
16QAM	1852.5	26065	5	1	0	22.44
				1	24	22.24
				12	6	21.32
				25	0	21.35
	1882.5	26365		1	0	22.40
				1	24	22.41
				12	6	21.52
				25	0	21.51
	1912.5	26665		1	0	22.51
				1	24	22.27
				12	6	21.72
				25	0	21.58
64QAM	1852.5	26065	5	1	0	22.45
				1	24	22.16
				12	6	21.26
				25	0	21.23
	1882.5	26365		1	0	22.35
				1	24	22.43
				12	6	21.47
				25	0	21.56
	1912.5	26665		1	0	22.44
				1	24	22.45
				12	6	21.60
				25	0	21.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	26090	10	1	0	23.18
				1	49	23.11
				24	12	22.18
				50	0	22.33
	1882.5	26365		1	0	23.17
				1	49	23.23
				24	12	22.53
				50	0	22.52
	1910	26640		1	0	23.19
				1	49	23.12
				24	12	22.64
				50	0	22.56
16QAM	1855	26090	10	1	0	22.50
				1	49	22.36
				24	12	21.31
				50	0	21.28
	1882.5	26365		1	0	22.40
				1	49	22.51
				24	12	21.50
				50	0	21.47
	1910	26640		1	0	22.55
				1	49	22.23
				24	12	21.69
				50	0	21.60
64QAM	1855	26090	10	1	0	22.46
				1	49	22.16
				24	12	21.25
				50	0	21.23
	1882.5	26365		1	0	22.45
				1	49	22.35
				24	12	21.54
				50	0	21.48
	1910	26640		1	0	22.46
				1	49	22.40
				24	12	21.72
				50	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	26115	15	1	0	23.17
				1	74	23.01
				40	18	22.26
				75	0	22.26
	1882.5	26365		1	0	23.21
				1	74	23.24
				40	18	22.52
				75	0	22.44
	1907.5	26615		1	0	23.18
				1	74	23.12
				40	18	22.73
				75	0	22.56
16QAM	1857.5	26115	15	1	0	22.53
				1	74	22.37
				40	18	21.32
				75	0	21.32
	1882.5	26365		1	0	22.36
				1	74	22.48
				40	18	21.47
				75	0	21.53
	1907.5	26615		1	0	22.54
				1	74	22.25
				40	18	21.72
				75	0	21.55
64QAM	1857.5	26115	15	1	0	22.38
				1	74	22.20
				40	18	21.28
				75	0	21.27
	1882.5	26365		1	0	22.35
				1	74	22.31
				40	18	21.39
				75	0	21.48
	1907.5	26615		1	0	22.45
				1	74	22.35
				40	18	21.67
				75	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	26140	20	1	0	23.28
				1	99	23.15
				50	25	22.33
				100	0	22.34
	1882.5	26365		1	0	23.27
				1	99	23.26
				50	25	22.55
				100	0	22.57
	1905	26590		1	0	23.32
				1	99	23.23
				50	25	22.78
				100	0	22.68
16QAM	1860	26140	20	1	0	22.54
				1	99	22.38
				50	25	21.37
				100	0	21.37
	1882.5	26365		1	0	22.49
				1	99	22.55
				50	25	21.58
				100	0	21.62
	1905	26590		1	0	22.56
				1	99	22.36
				50	25	21.76
				100	0	21.68
64QAM	1860	26140	20	1	0	22.47
				1	99	22.29
				50	25	21.34
				100	0	21.32
	1882.5	26365		1	0	22.48
				1	99	22.45
				50	25	21.54
				100	0	21.56
	1905	26590		1	0	22.54
				1	99	22.49
				50	25	21.73
				100	0	21.68

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	
25	1850.7	26047	1.4	6	0	1.0790	Fig.1	1.0812	Fig.2	1.0790	Fig.3
	1882.5	26365		6	0	1.0793	Fig.4	1.0815	Fig.5	1.0759	Fig.6
	1914.3	26683		6	0	1.0823	Fig.7	1.0834	Fig.8	1.0806	Fig.9
	1851.5	26055	3	15	0	2.6837	Fig.10	2.6822	Fig.11	2.6824	Fig.12
	1882.5	26365		15	0	2.6886	Fig.13	2.6850	Fig.14	2.6848	Fig.15
	1913.5	26675		15	0	2.6870	Fig.16	2.6879	Fig.17	2.6907	Fig.18
	1852.5	26065	5	25	0	4.4883	Fig.19	4.4823	Fig.20	4.4832	Fig.21
	1882.5	26365		25	0	4.4868	Fig.22	4.4820	Fig.23	4.4932	Fig.24
	1912.5	26665		25	0	4.4792	Fig.25	4.4914	Fig.26	4.4847	Fig.27
	1855	26090	10	50	0	8.9554	Fig.28	8.9575	Fig.29	8.9645	Fig.30
	1882.5	26365		50	0	8.9682	Fig.31	8.9542	Fig.32	8.9686	Fig.33
	1910	26640		50	0	8.9576	Fig.34	8.9554	Fig.35	8.9555	Fig.36
	1857.5	26115	15	75	0	13.378	Fig.37	13.418	Fig.38	13.417	Fig.39
	1882.5	26365		75	0	13.422	Fig.40	13.454	Fig.41	13.420	Fig.42
	1907.5	26615		75	0	13.455	Fig.43	13.403	Fig.44	13.479	Fig.45
	1860	26140	20	100	0	17.835	Fig.46	17.847	Fig.47	17.804	Fig.48
	1882.5	26365		100	0	17.904	Fig.49	17.904	Fig.50	17.887	Fig.51
	1905	26590		100	0	17.883	Fig.52	17.902	Fig.53	17.907	Fig.54

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
25	1850.7	26047	1.4	6	0	1.225	Fig.1	1.223	Fig.2	1.220	Fig.3
	1882.5	26365		6	0	1.219	Fig.4	1.236	Fig.5	1.226	Fig.6
	1914.3	26683		6	0	1.270	Fig.7	1.303	Fig.8	1.256	Fig.9
	1851.5	26055	3	15	0	2.883	Fig.10	2.880	Fig.11	2.888	Fig.12
	1882.5	26365		15	0	2.872	Fig.13	2.861	Fig.14	2.876	Fig.15
	1913.5	26675		15	0	2.896	Fig.16	2.900	Fig.17	2.922	Fig.18
	1852.5	26065	5	25	0	5.120	Fig.19	5.008	Fig.20	5.047	Fig.21
	1882.5	26365		25	0	5.024	Fig.22	4.993	Fig.23	5.049	Fig.24
	1912.5	26665		25	0	5.122	Fig.25	4.949	Fig.26	5.128	Fig.27
	1855	26090	10	50	0	9.660	Fig.28	9.656	Fig.29	9.722	Fig.30
	1882.5	26365		50	0	9.821	Fig.31	9.590	Fig.32	9.760	Fig.33
	1910	26640		50	0	9.708	Fig.34	9.594	Fig.35	9.836	Fig.36
	1857.5	26115	15	75	0	14.53	Fig.37	14.58	Fig.38	14.35	Fig.39
	1882.5	26365		75	0	14.47	Fig.40	14.62	Fig.41	14.59	Fig.42
	1907.5	26615		75	0	14.48	Fig.43	14.67	Fig.44	14.50	Fig.45
	1860	26140	20	100	0	18.97	Fig.46	19.12	Fig.47	18.95	Fig.48
	1882.5	26365		100	0	19.25	Fig.49	18.96	Fig.50	19.17	Fig.51
	1905	26590		100	0	19.09	Fig.52	19.23	Fig.53	19.18	Fig.54

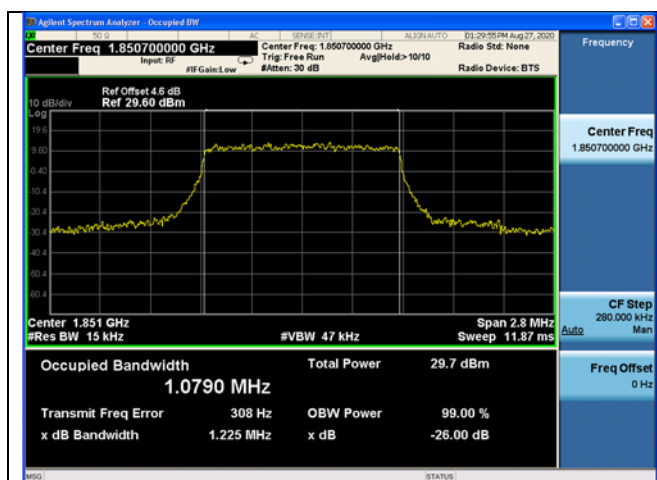


Fig.1

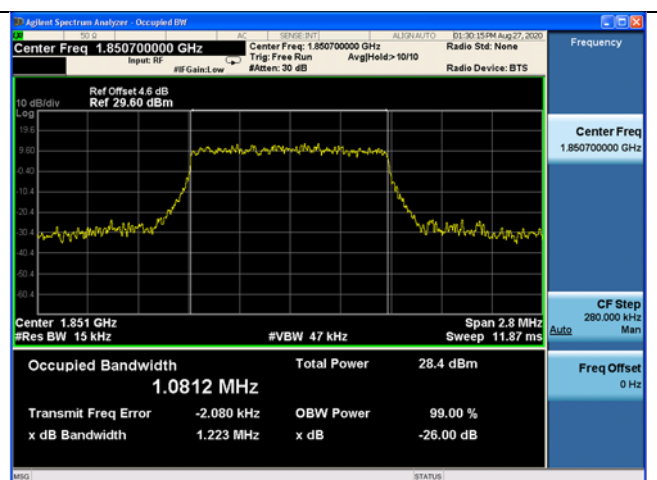


Fig.2

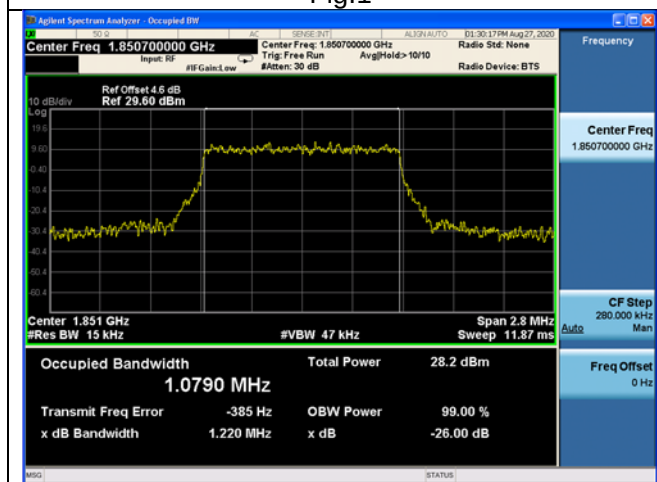


Fig.3

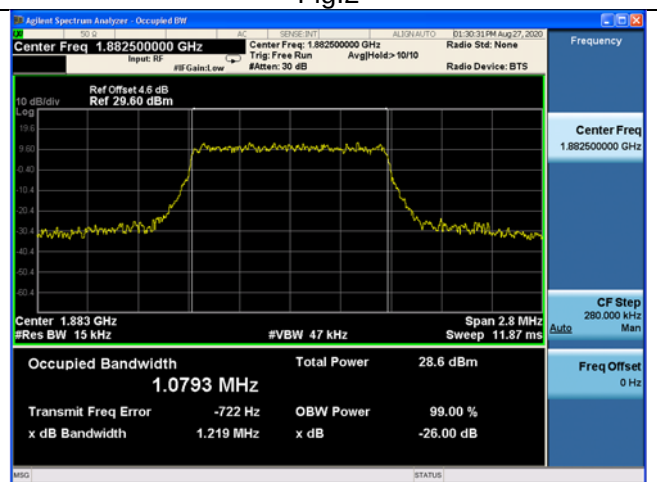


Fig.4

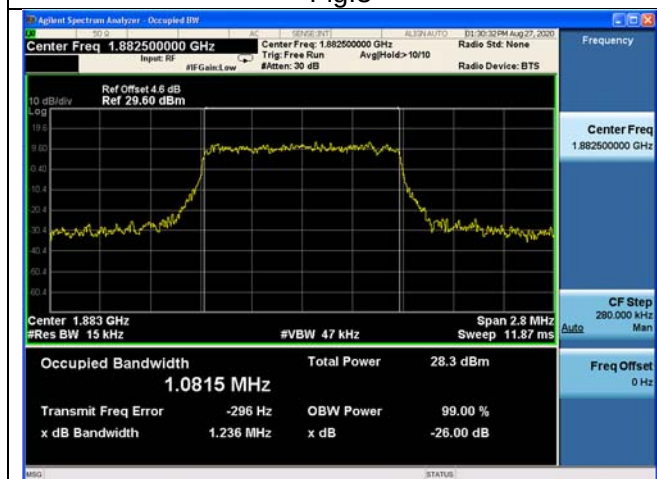


Fig.5

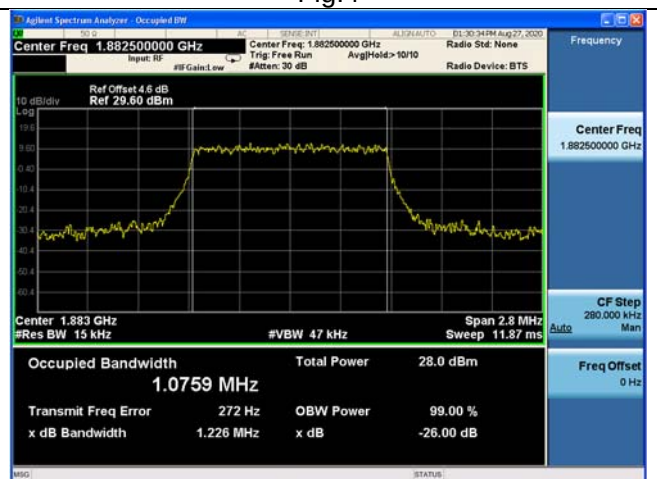


Fig.6

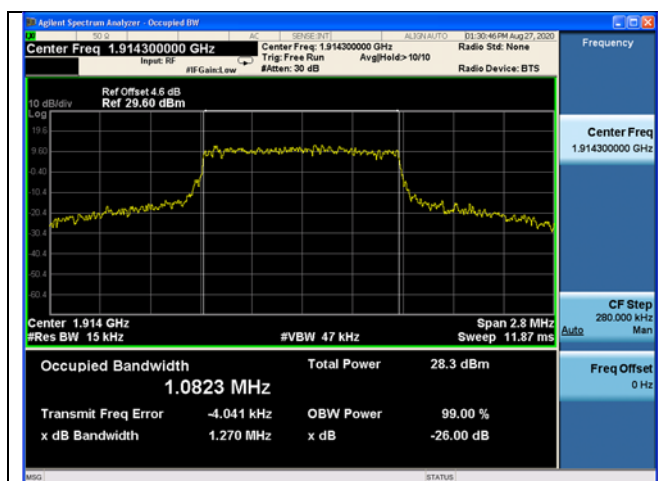


Fig.7

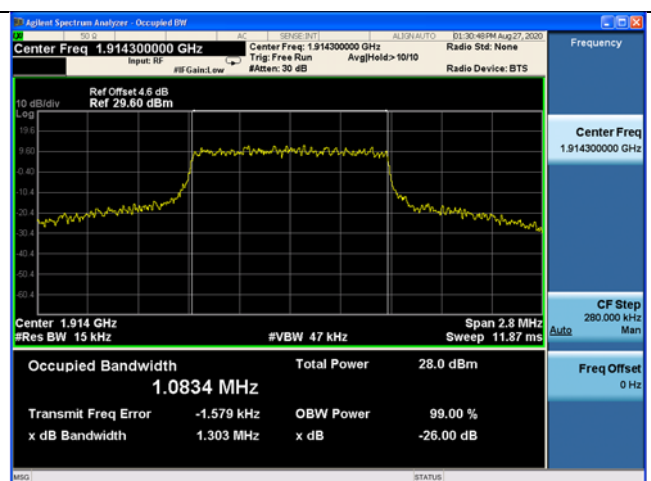


Fig.8

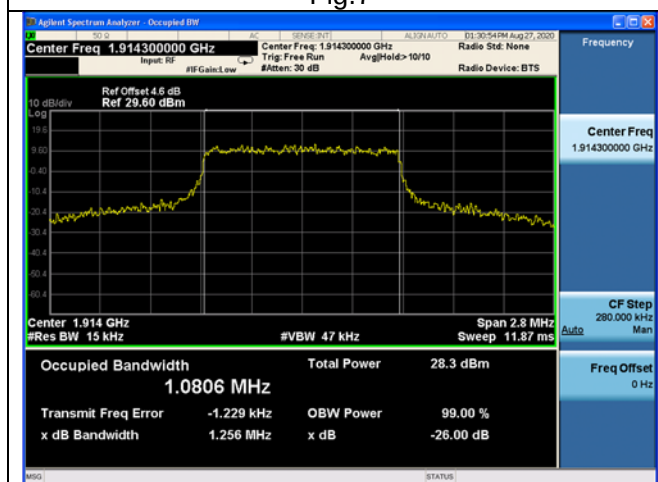


Fig.9

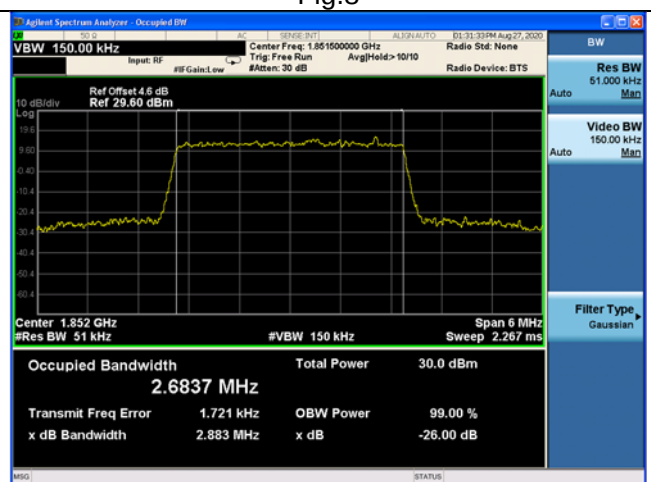


Fig.10

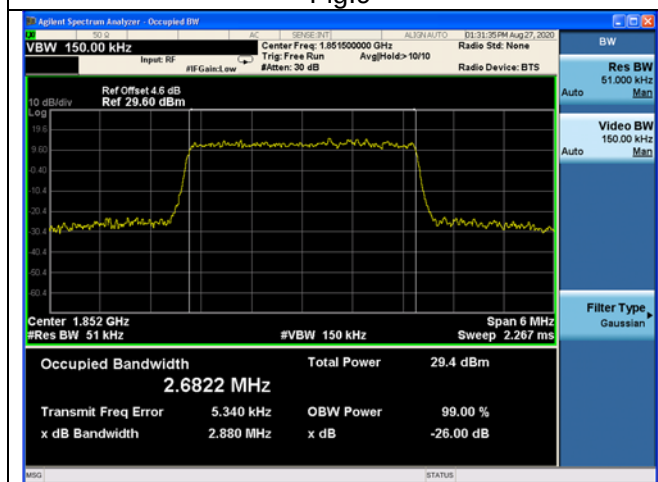


Fig.11

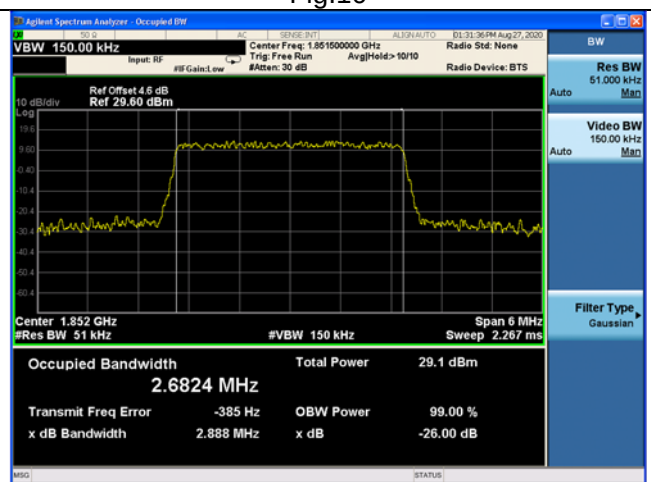


Fig.12

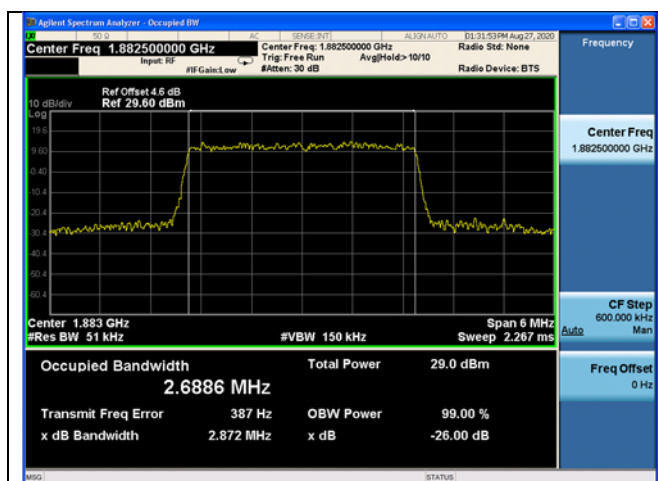


Fig.13

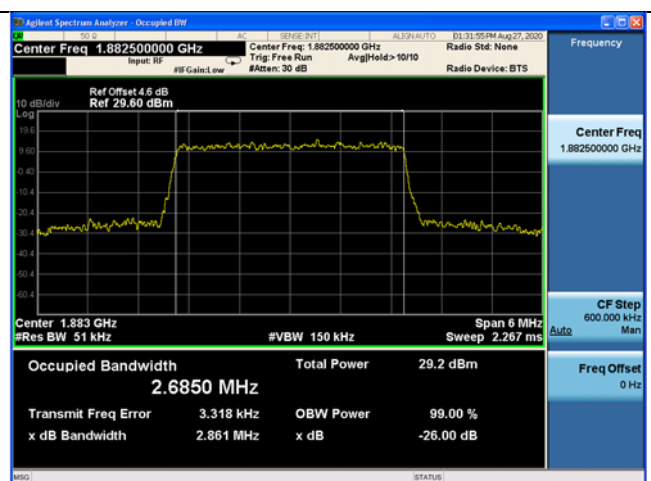


Fig.14

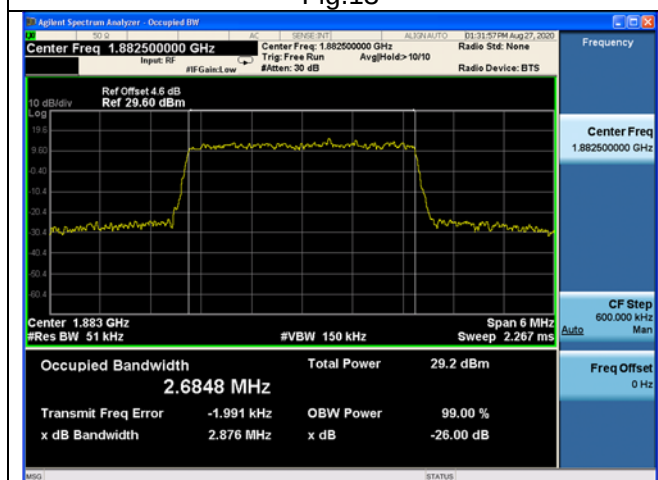


Fig.15

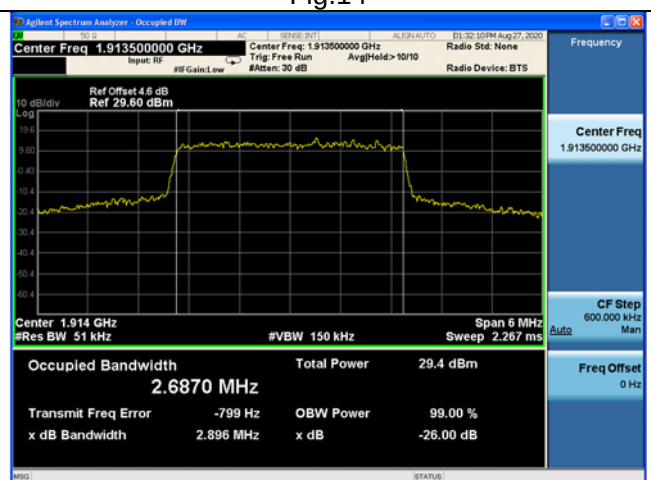


Fig.16

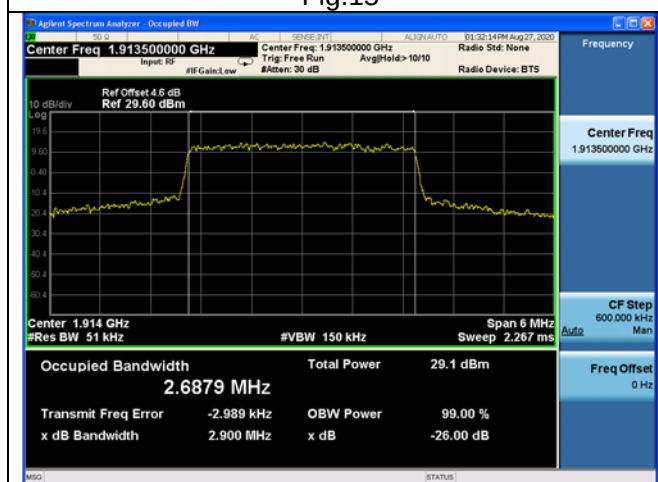


Fig.17

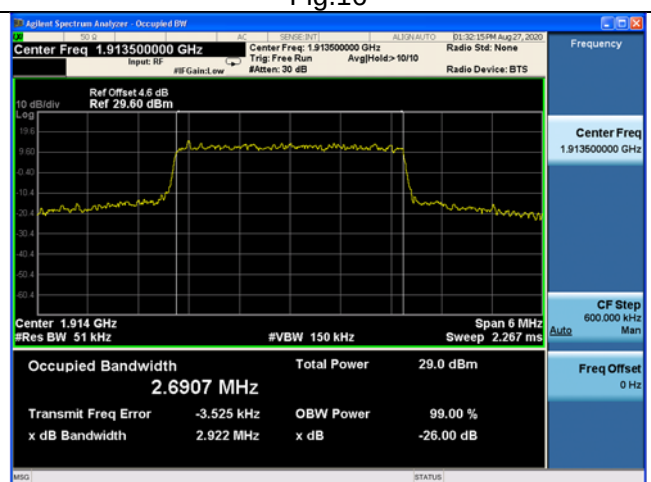


Fig.18

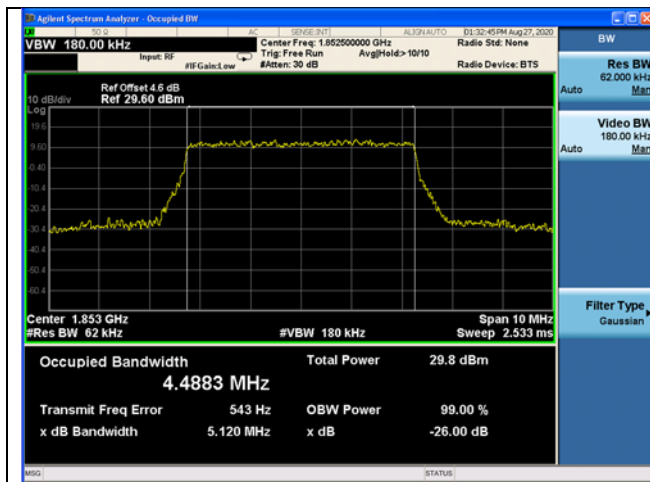


Fig.19

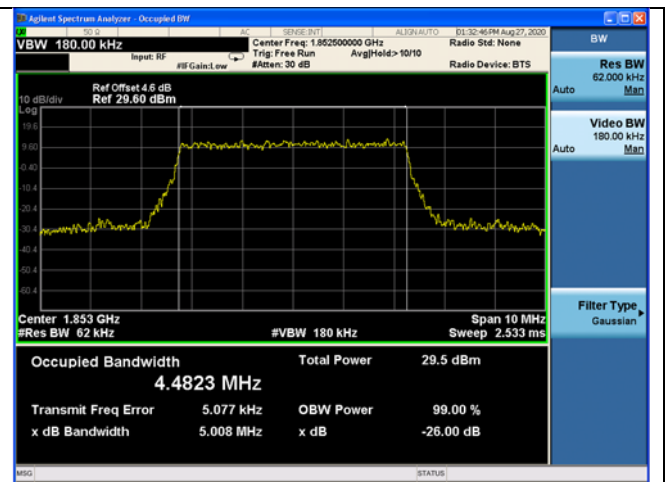


Fig.20

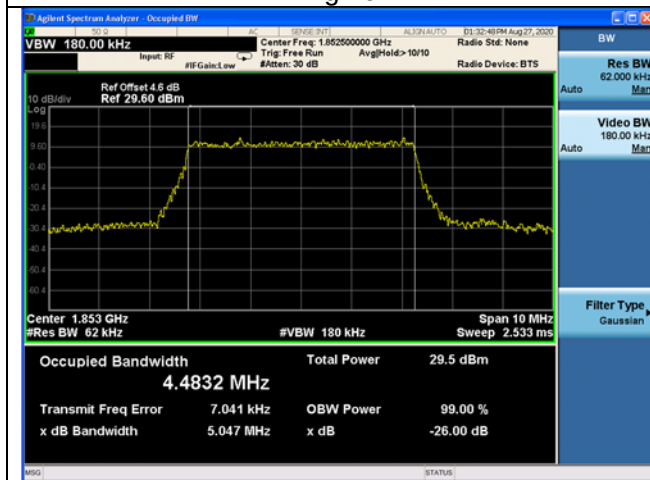


Fig.21

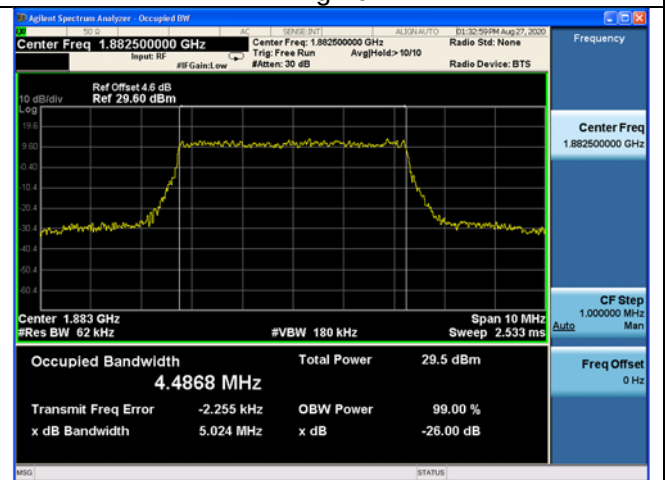


Fig.22

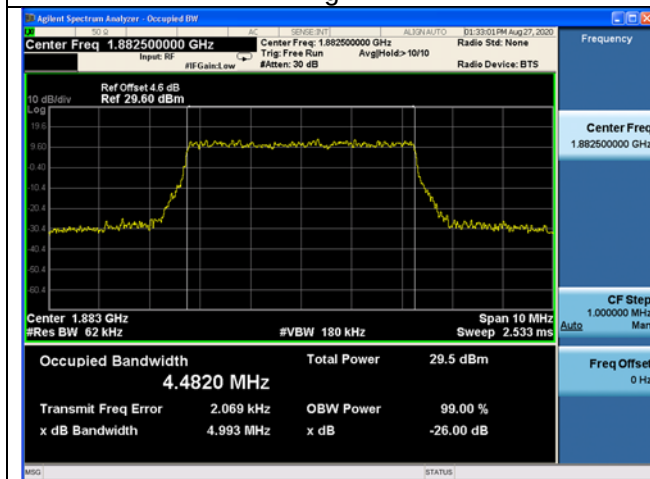


Fig.23

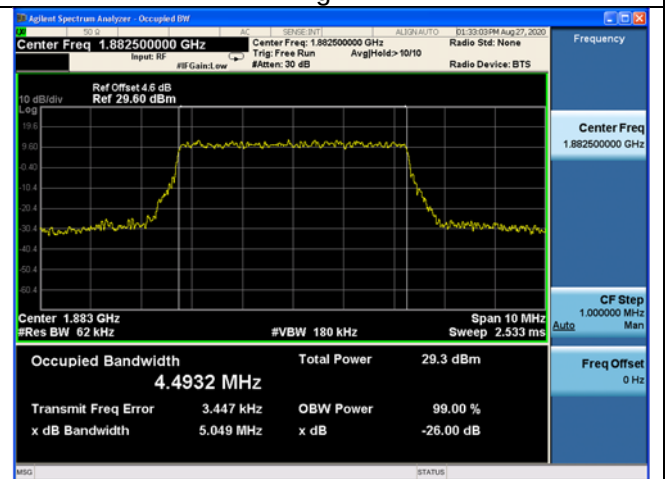


Fig.24

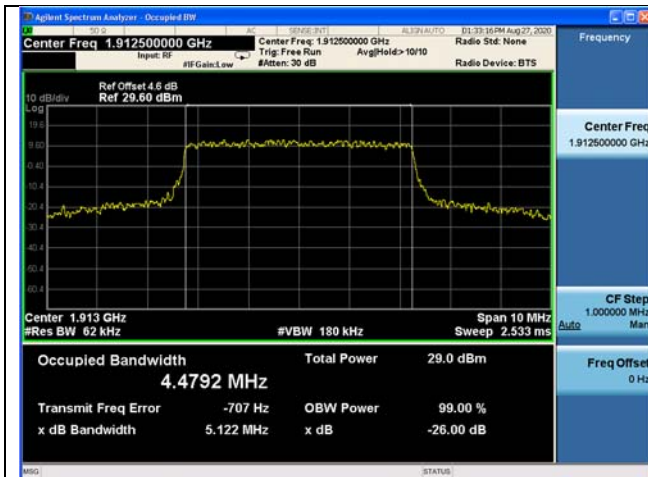


Fig.25



Fig.26

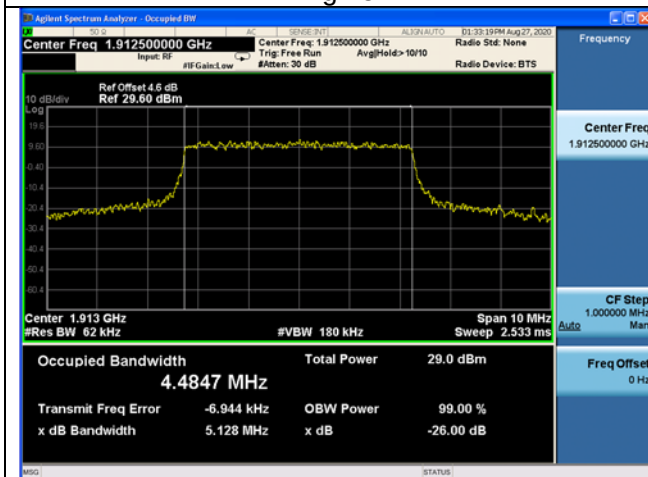


Fig.27

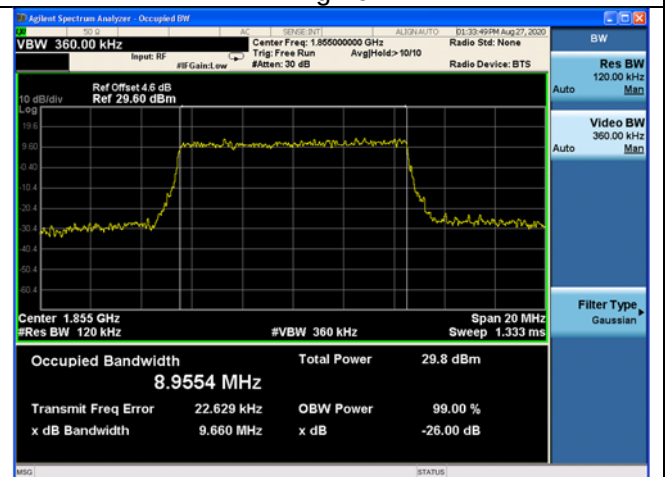


Fig.28

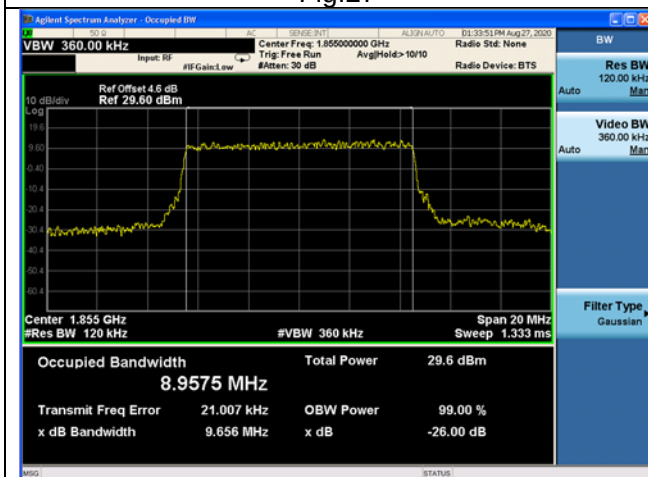


Fig.29

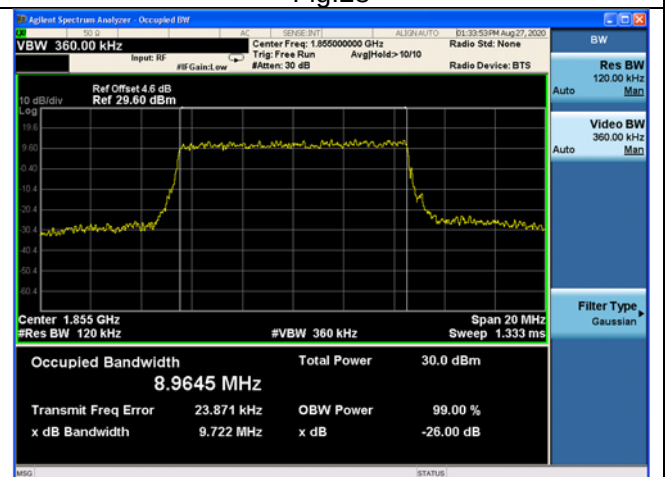


Fig.30

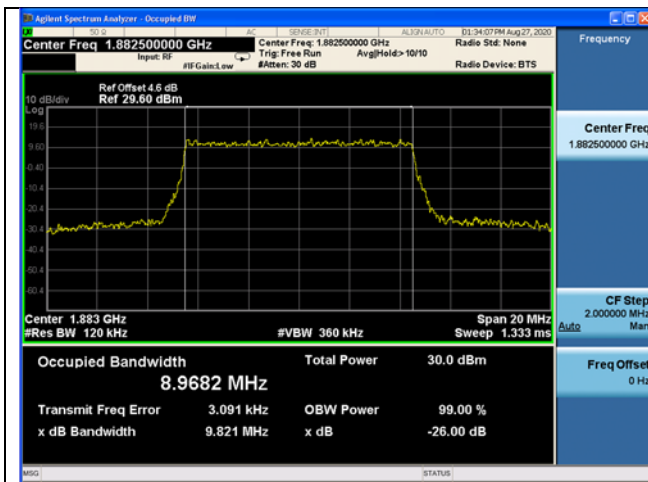


Fig.31

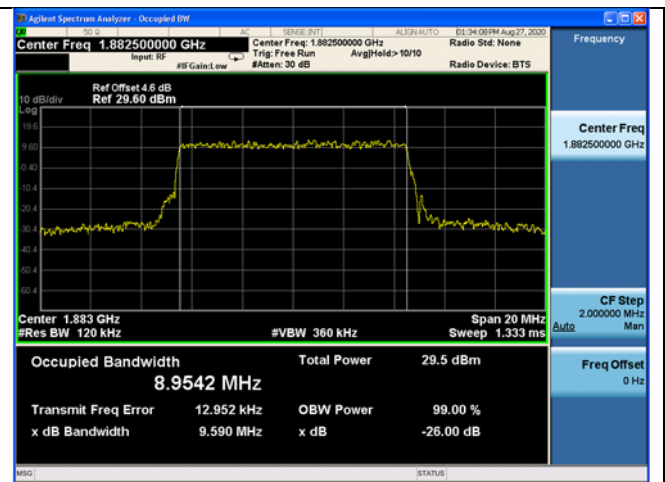


Fig.32

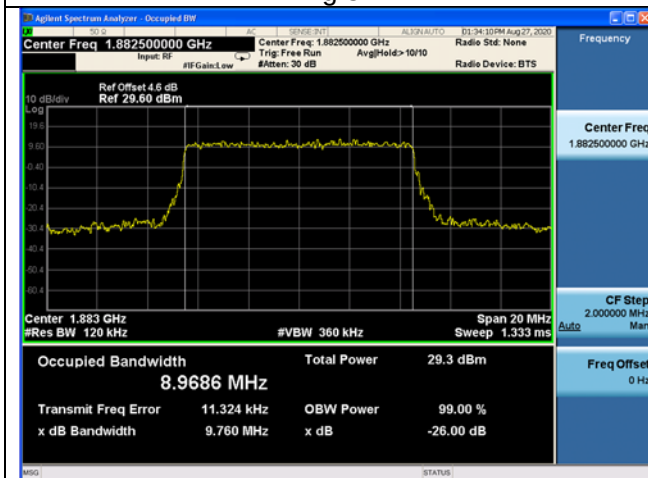


Fig.33

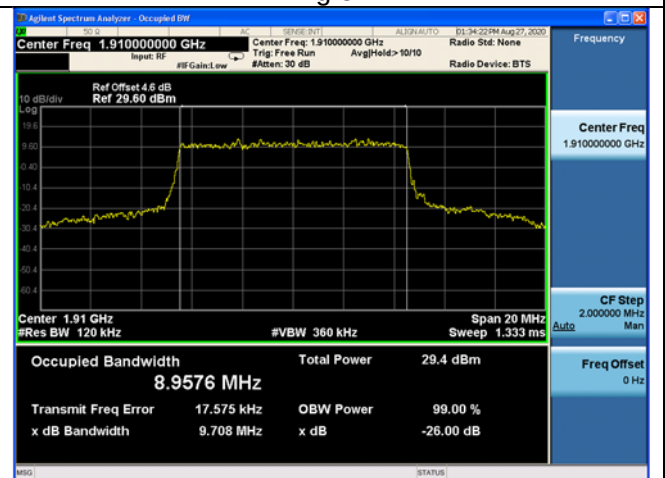


Fig.34

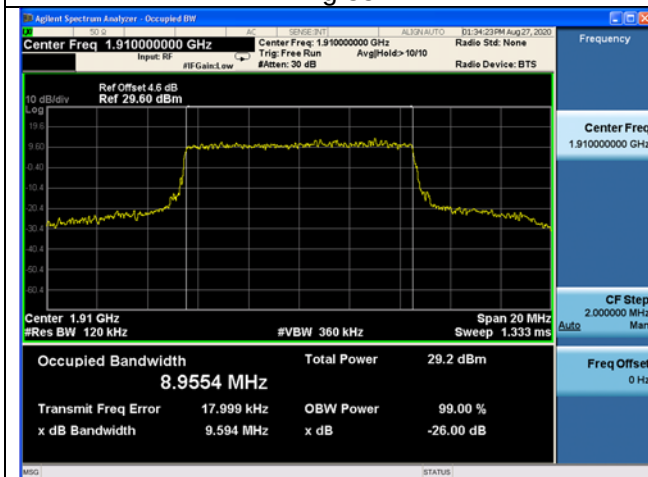


Fig.35

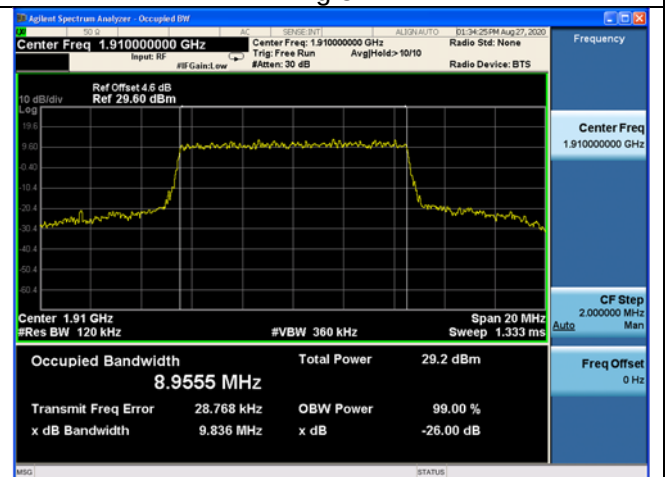


Fig.36

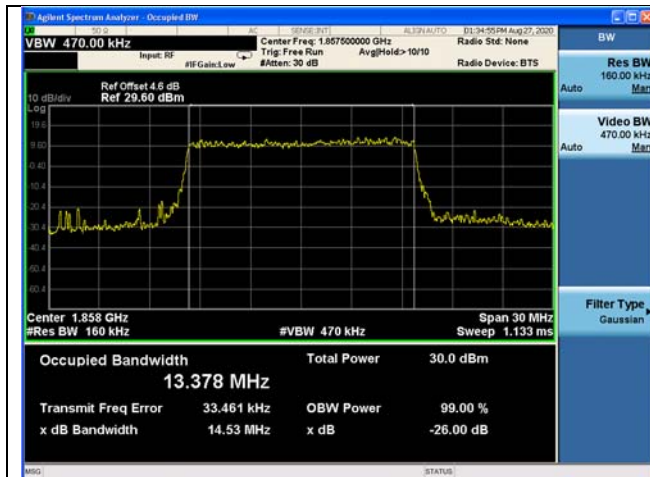


Fig.37

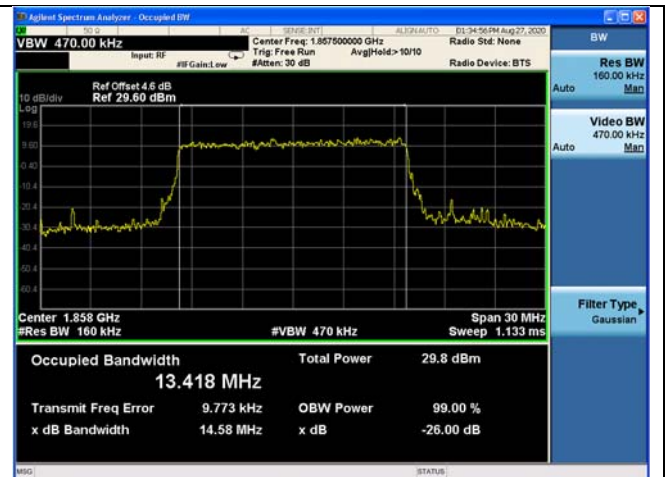


Fig.38

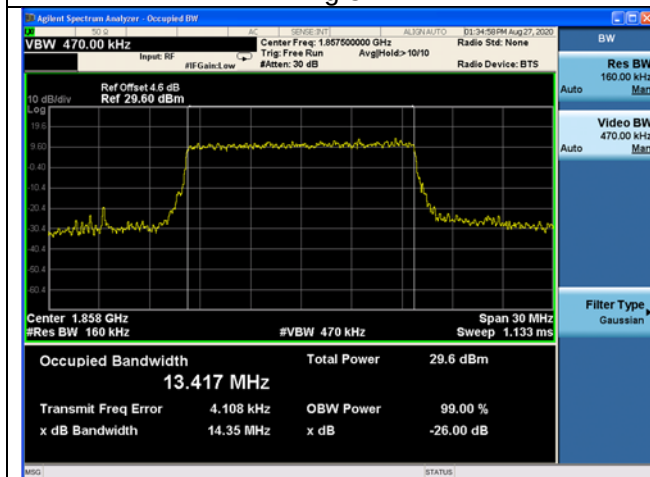


Fig.39

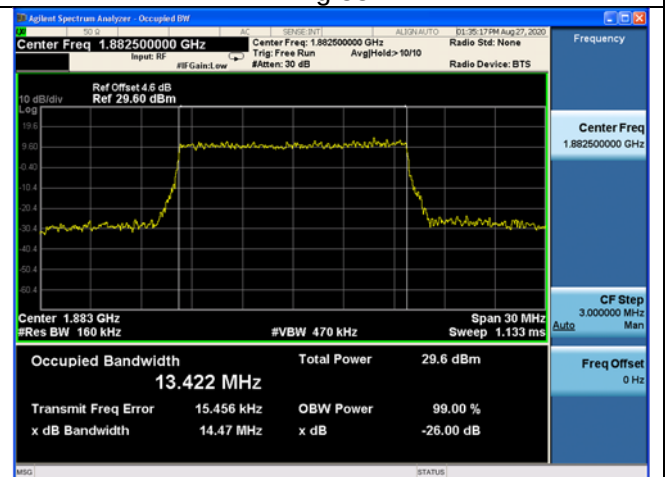


Fig.40

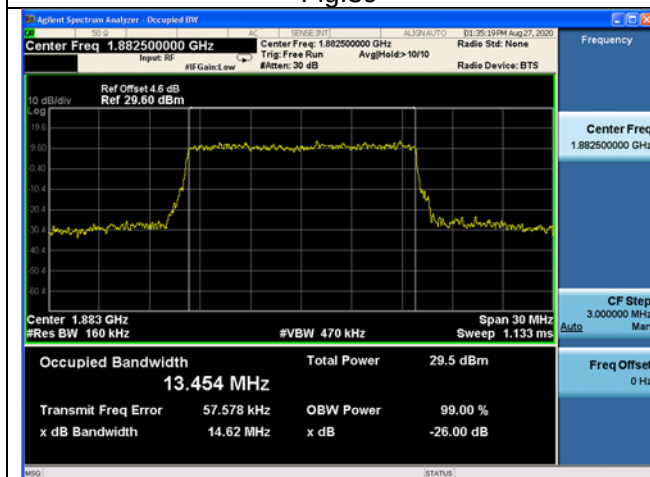


Fig.41

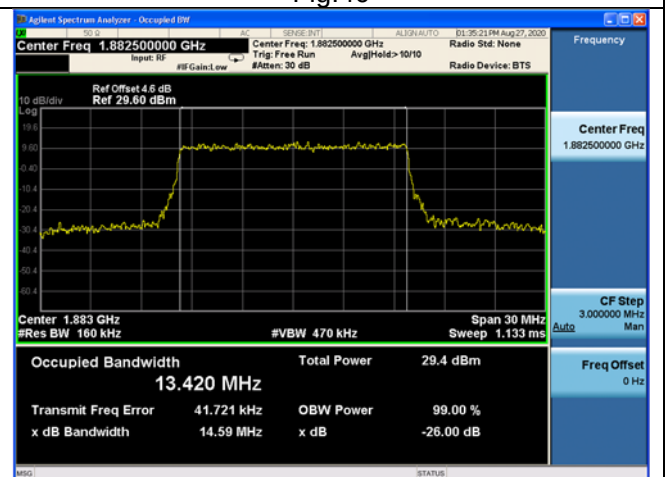


Fig.42

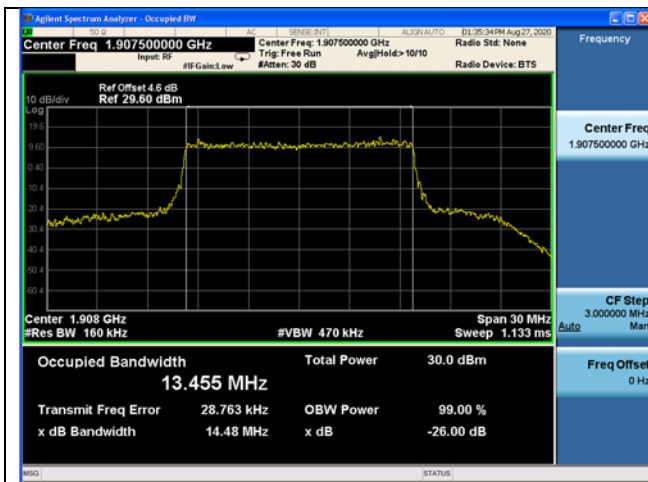


Fig.43

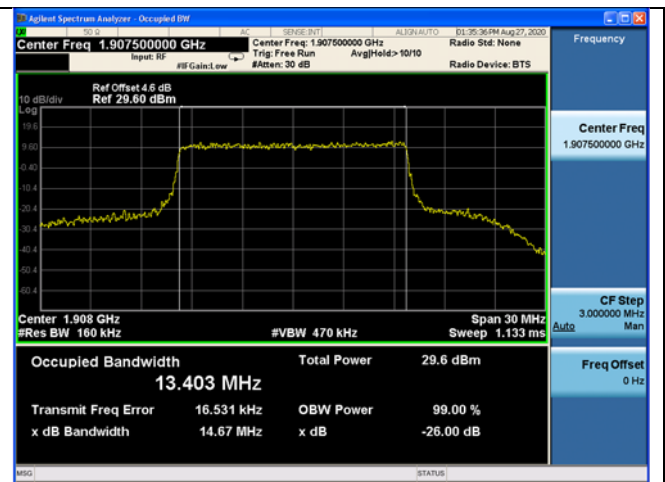


Fig.44

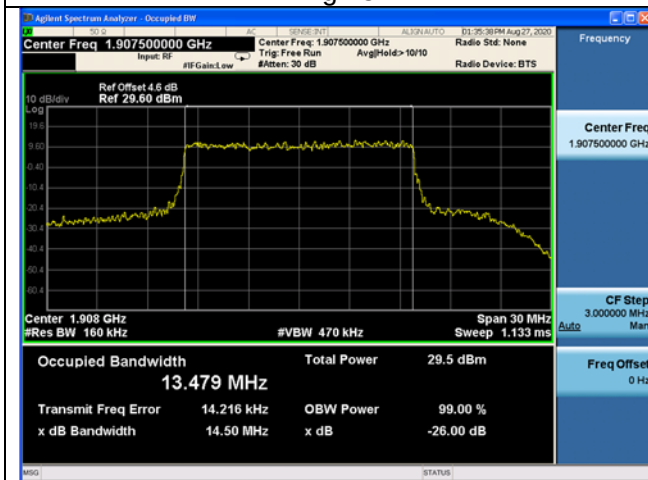


Fig.45

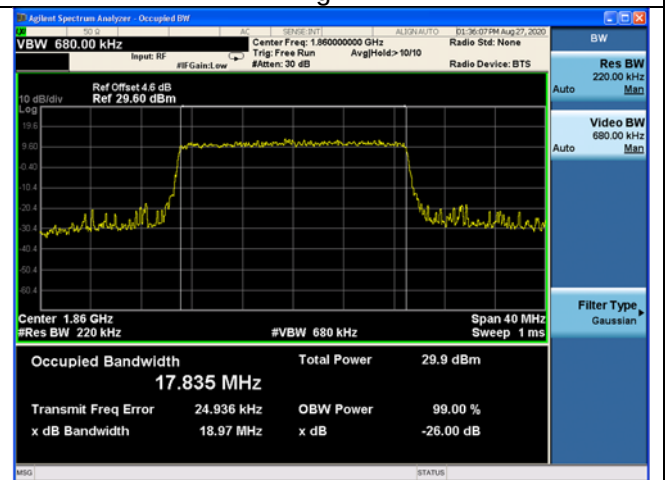


Fig.46

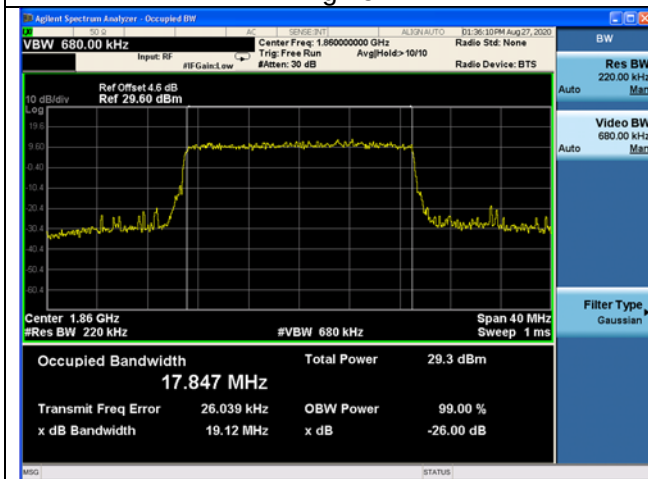


Fig.47

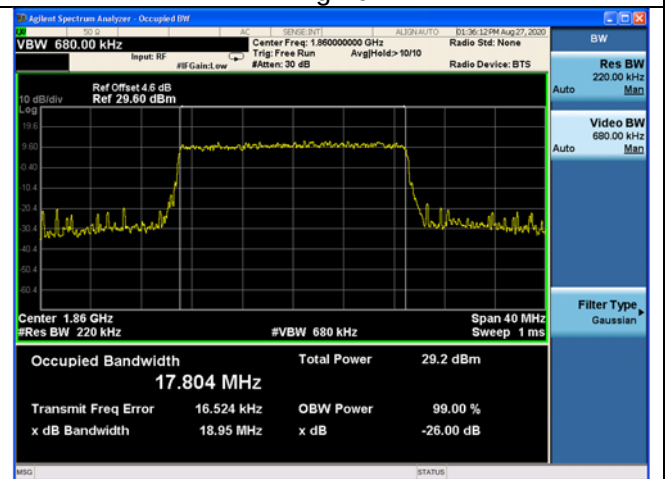


Fig.48

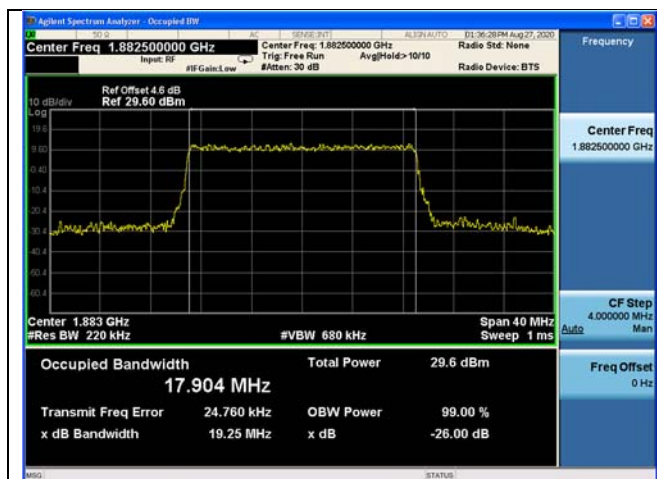


Fig.49

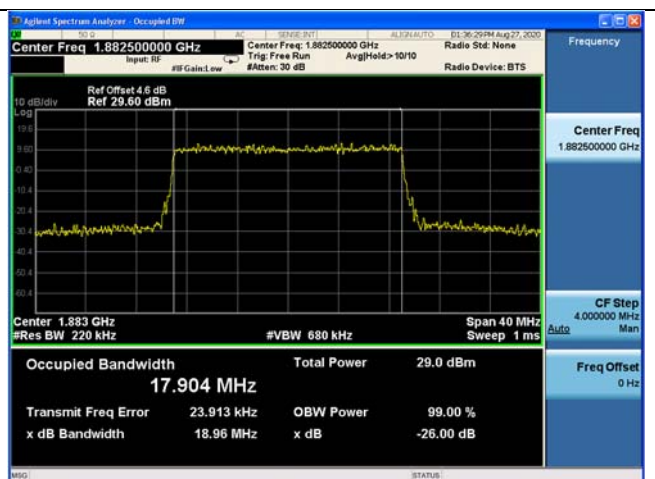


Fig.50

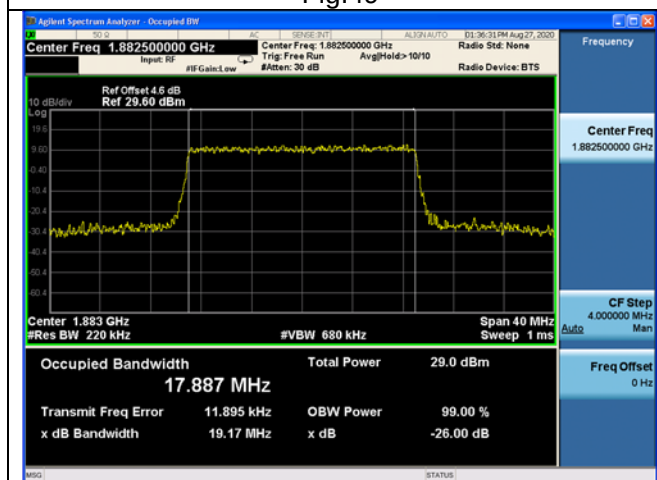


Fig.51

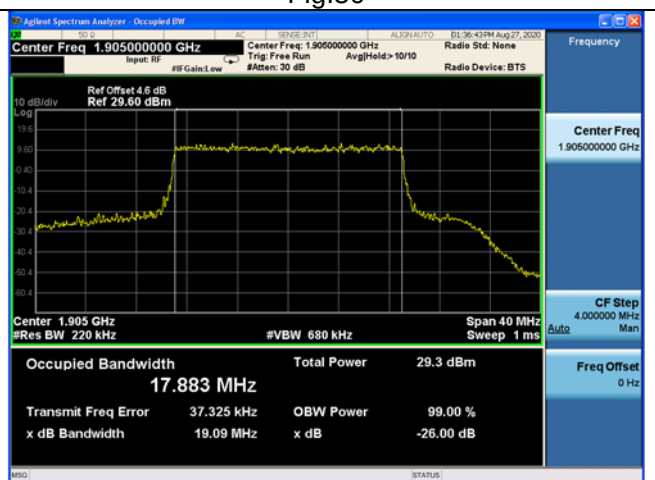


Fig.52

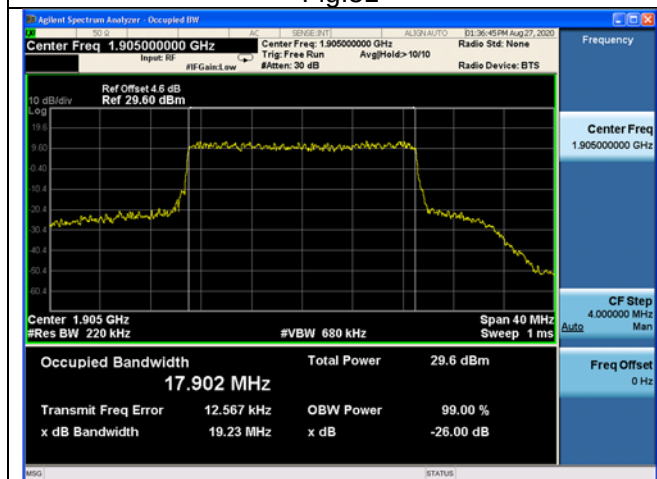


Fig.53

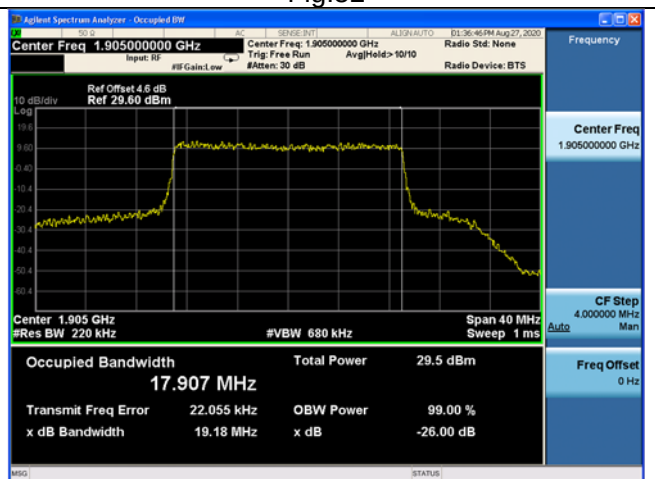


Fig.54

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
25	1882.5	26365	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

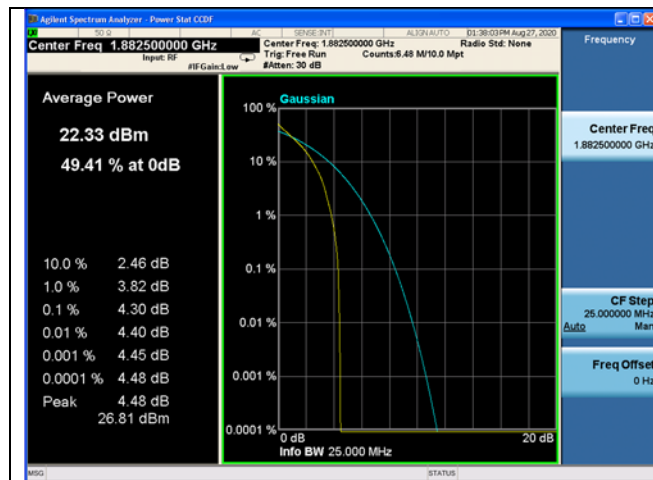


Fig.1

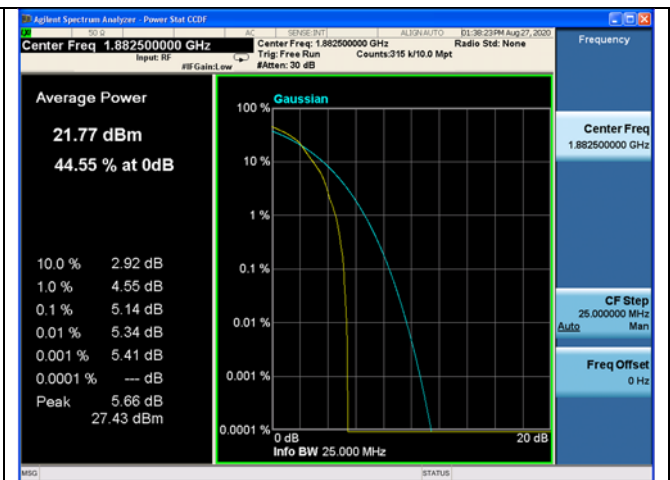


Fig.2

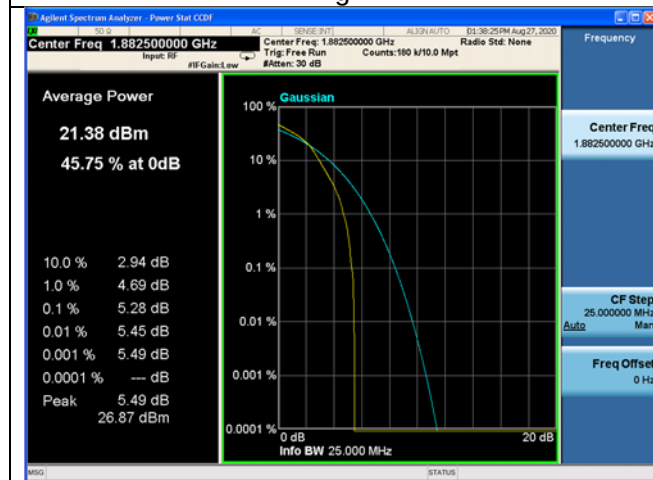


Fig.3

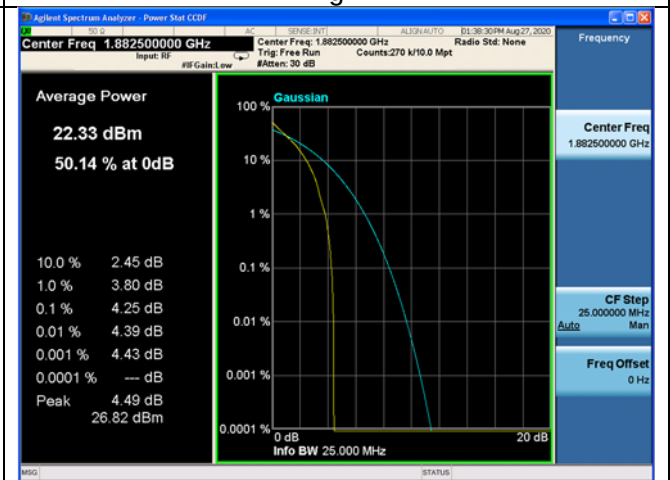


Fig.4

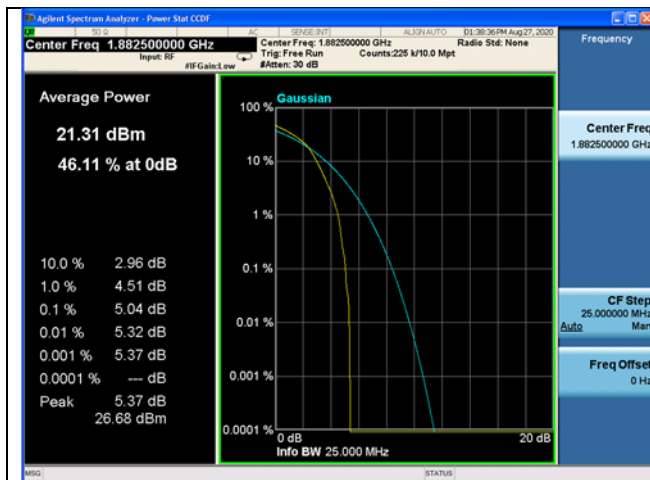


Fig.5

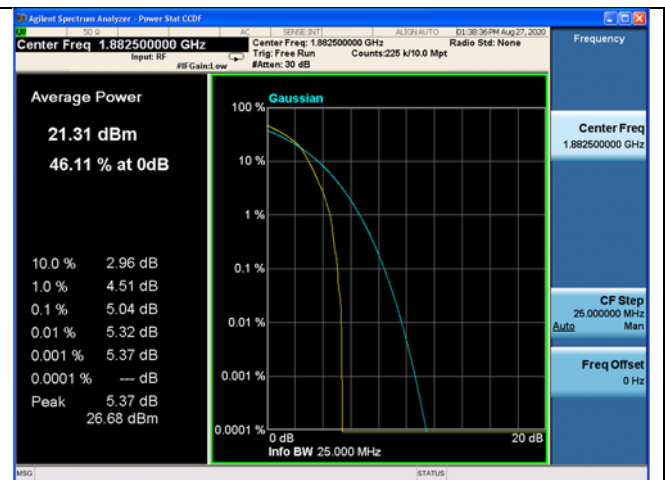


Fig.6

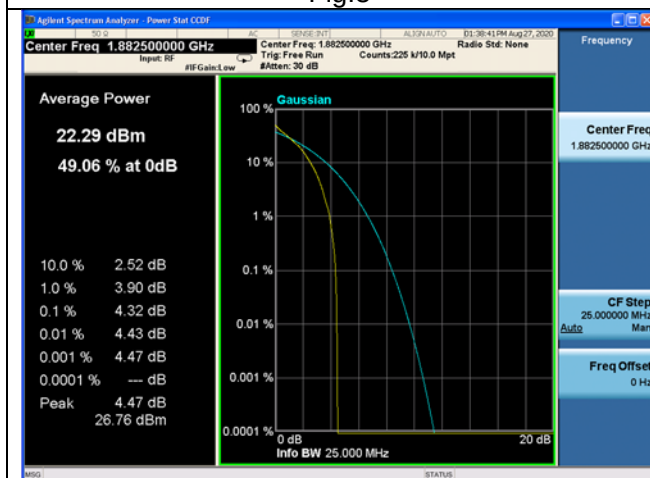


Fig.7

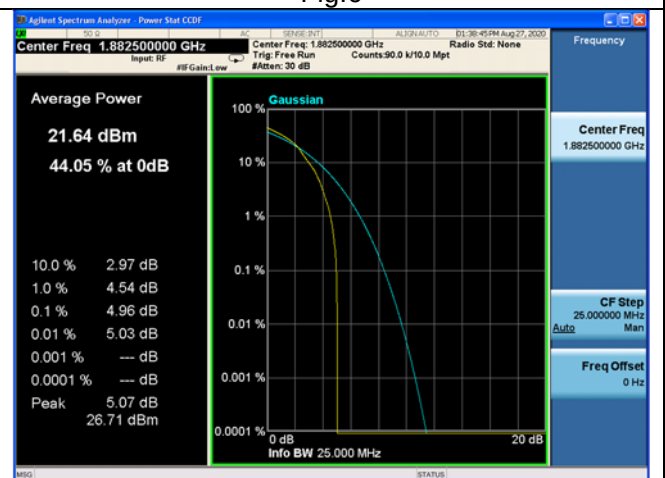


Fig.8

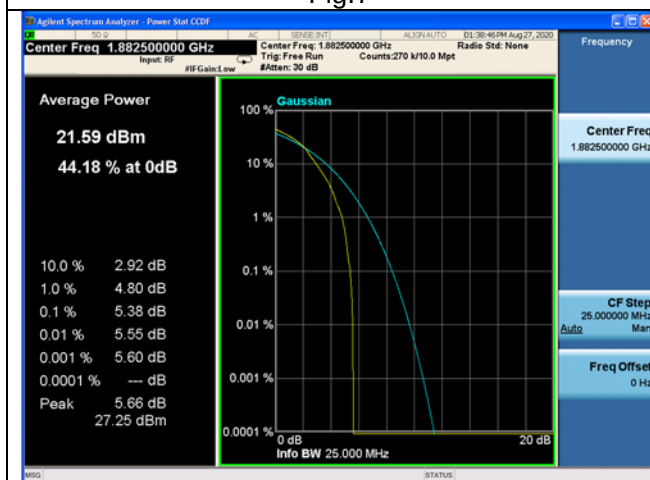


Fig.9

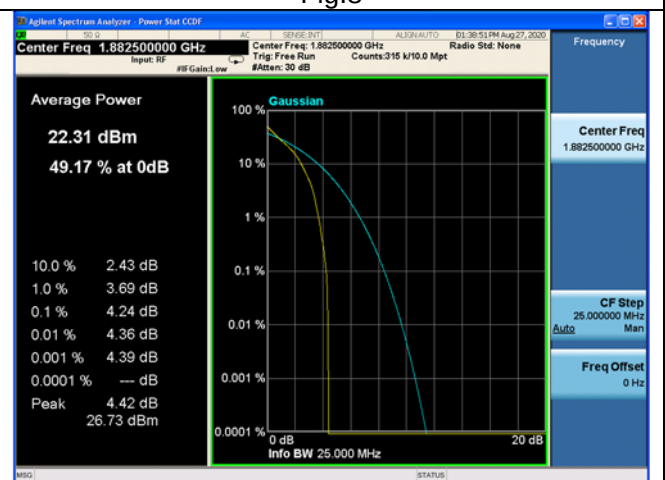


Fig.10