

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

QPSK	1850.7	18607	1.4	1	0	22.29
				1	5	21.84
				3	2	21.17
				6	0	21.36
	1880	18900		1	0	22.10
				1	5	22.00
				3	2	21.17
				6	0	21.02
	1909.3	19193		1	0	21.92
				1	5	22.38
				3	2	21.25
				6	0	21.08
16QAM	1850.7	18607	1.4	1	0	20.95
				1	5	20.48
				3	2	20.48
				6	0	20.15
	1880	18900		1	0	20.60
				1	5	20.48
				3	2	19.94
				6	0	20.18
	1909.3	19193		1	0	20.29
				1	5	20.71
				3	2	20.25
				6	0	20.07
64QAM	1850.7	18607	1.4	1	0	20.37
				1	5	20.46
				3	2	20.38
				6	0	20.02
	1880	18900		1	0	20.39
				1	5	20.38
				3	2	20.05
				6	0	20.05
	1909.3	19193		1	0	20.10
				1	5	20.40
				3	2	20.36
				6	0	20.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	22.43
				1	14	21.96
				8	4	21.42
				15	0	21.29
	1880	18900		1	0	21.85
				1	14	21.90
				8	4	21.26
				15	0	20.95
	1908.5	19185		1	0	22.01
				1	14	22.15
				8	4	21.05
				15	0	21.10
16QAM	1851.5	18615	3	1	0	21.15
				1	14	20.47
				8	4	20.41
				15	0	20.26
	1880	18900		1	0	20.43
				1	14	20.57
				8	4	20.14
				15	0	20.00
	1908.5	19185		1	0	20.47
				1	14	20.67
				8	4	20.11
				15	0	20.03
64QAM	1851.5	18615	3	1	0	20.51
				1	14	20.43
				8	4	20.43
				15	0	19.99
	1880	18900		1	0	20.47
				1	14	20.27
				8	4	20.18
				15	0	20.00
	1908.5	19185		1	0	20.27
				1	14	20.52
				8	4	20.33
				15	0	20.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	22.53
				1	24	21.79
				12	6	21.39
				25	0	21.49
	1880	18900		1	0	22.07
				1	24	21.76
				12	6	21.25
				25	0	21.02
	1907.5	19175		1	0	21.91
				1	24	22.40
				12	6	21.05
				25	0	21.12
16QAM	1852.5	18625	5	1	0	20.95
				1	24	20.53
				12	6	20.34
				25	0	20.25
	1880	18900		1	0	20.54
				1	24	20.37
				12	6	20.00
				25	0	19.91
	1907.5	19175		1	0	20.37
				1	24	20.70
				12	6	20.17
				25	0	20.16
64QAM	1852.5	18625	5	1	0	20.32
				1	24	20.43
				12	6	20.25
				25	0	20.16
	1880	18900		1	0	20.51
				1	24	20.21
				12	6	20.12
				25	0	19.99
	1907.5	19175		1	0	20.33
				1	24	20.40
				12	6	20.36
				25	0	20.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	22.54
				1	49	21.77
				24	12	21.39
				50	0	21.36
	1880	18900		1	0	21.86
				1	49	21.80
				24	12	21.24
				50	0	20.92
	1905	19150		1	0	22.05
				1	49	22.19
				24	12	21.25
				50	0	21.00
16QAM	1855	18650	10	1	0	21.06
				1	49	20.72
				24	12	20.44
				50	0	20.29
	1880	18900		1	0	20.52
				1	49	20.39
				24	12	20.01
				50	0	19.91
	1905	19150		1	0	20.25
				1	49	20.70
				24	12	20.28
				50	0	20.03
64QAM	1855	18650	10	1	0	20.53
				1	49	20.21
				24	12	20.41
				50	0	20.12
	1880	18900		1	0	20.48
				1	49	20.32
				24	12	20.19
				50	0	20.14
	1905	19150		1	0	20.31
				1	49	20.47
				24	12	20.32
				50	0	20.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	22.40
				1	74	22.01
				40	18	21.38
				75	0	21.35
	1880	18900		1	0	22.10
				1	74	21.88
				40	18	21.18
				75	0	21.12
	1902.5	19125		1	0	22.14
				1	74	22.43
				40	18	21.12
				75	0	21.21
16QAM	1857.5	18675	15	1	0	21.03
				1	74	20.62
				40	18	20.53
				75	0	20.28
	1880	18900		1	0	20.59
				1	74	20.45
				40	18	20.10
				75	0	20.14
	1902.5	19125		1	0	20.39
				1	74	20.56
				40	18	20.13
				75	0	20.14
64QAM	1857.5	18675	15	1	0	20.47
				1	74	20.32
				40	18	20.33
				75	0	20.21
	1880	18900		1	0	20.58
				1	74	20.31
				40	18	20.23
				75	0	20.07
	1902.5	19125		1	0	20.30
				1	74	20.46
				40	18	20.35
				75	0	20.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	22.66
				1	99	22.13
				50	25	21.54
				100	0	21.64
	1880	18900		1	0	22.24
				1	99	22.15
				50	25	21.41
				100	0	21.28
	1900	19100		1	0	22.30
				1	99	22.54
				50	25	21.38
				100	0	21.36
16QAM	1860	18700	20	1	0	21.27
				1	99	20.84
				50	25	20.69
				100	0	20.51
	1880	18900		1	0	20.75
				1	99	20.74
				50	25	20.32
				100	0	20.29
	1900	19100		1	0	20.64
				1	99	20.82
				50	25	20.42
				100	0	20.39
64QAM	1860	18700	20	1	0	20.69
				1	99	20.57
				50	25	20.56
				100	0	20.38
	1880	18900		1	0	20.73
				1	99	20.56
				50	25	20.41
				100	0	20.28
	1900	19100		1	0	20.45
				1	99	20.65
				50	25	20.48
				100	0	20.33

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	1.0750	Fig.1	1.0776	Fig.2	1.0723	Fig.3
	1880.0	18900		6	0	1.0746	Fig.4	1.0767	Fig.5	1.0771	Fig.6
	1909.3	19193		6	0	1.0770	Fig.7	1.0805	Fig.8	1.0727	Fig.9
	1851.5	18615	3	15	0	2.6812	Fig.10	2.6864	Fig.11	2.6919	Fig.12
	1880.0	18900		15	0	2.6837	Fig.13	2.6839	Fig.14	2.6923	Fig.15
	1908.5	19185		15	0	2.6796	Fig.16	2.6773	Fig.17	2.6928	Fig.18
	1852.5	18625	5	25	0	4.4672	Fig.19	4.4472	Fig.20	4.4653	Fig.21
	1880.0	18900		25	0	4.4735	Fig.22	4.4687	Fig.23	4.4743	Fig.24
	1907.5	19175		25	0	4.4642	Fig.25	4.4557	Fig.26	4.4719	Fig.27
	1855	18650	10	50	0	8.9009	Fig.28	8.8958	Fig.29	8.8902	Fig.30
	1880	18900		50	0	8.8940	Fig.31	8.9123	Fig.32	8.9102	Fig.33
	1905	19150		50	0	8.9019	Fig.34	8.8848	Fig.35	8.9398	Fig.36
	1857.5	18675	15	75	0	13.361	Fig.37	13.337	Fig.38	13.343	Fig.39
	1880.0	18900		75	0	13.347	Fig.40	13.348	Fig.41	13.343	Fig.42
	1902.5	19125		75	0	13.344	Fig.43	13.343	Fig.44	13.342	Fig.45
	1860	18700	20	100	0	17.790	Fig.46	17.756	Fig.47	17.803	Fig.48
	1880	18900		100	0	17.782	Fig.49	17.795	Fig.50	17.814	Fig.51
	1900	19100		100	0	17.831	Fig.52	17.817	Fig.53	17.825	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	1.248	Fig.1	1.229	Fig.2	1.219	Fig.3
	1880.0	18900		6	0	1.259	Fig.4	1.231	Fig.5	1.244	Fig.6
	1909.3	19193		6	0	1.287	Fig.7	1.257	Fig.8	1.219	Fig.9
	1851.5	18615	3	15	0	2.926	Fig.10	2.849	Fig.11	2.881	Fig.12
	1880.0	18900		15	0	2.879	Fig.13	2.912	Fig.14	2.917	Fig.15
	1908.5	19185		15	0	2.888	Fig.16	2.873	Fig.17	2.858	Fig.18
	1852.5	18625	5	25	0	4.715	Fig.19	4.668	Fig.20	4.784	Fig.21
	1880.0	18900		25	0	4.777	Fig.22	4.748	Fig.23	4.742	Fig.24
	1907.5	19175		25	0	4.783	Fig.25	4.756	Fig.26	4.700	Fig.27
	1855	18650	10	50	0	9.313	Fig.28	9.304	Fig.29	9.293	Fig.30
	1880	18900		50	0	9.381	Fig.31	9.335	Fig.32	9.316	Fig.33
	1905	19150		50	0	9.374	Fig.34	9.371	Fig.35	9.315	Fig.36
	1857.5	18675	15	75	0	13.91	Fig.37	13.90	Fig.38	14.02	Fig.39
	1880.0	18900		75	0	13.90	Fig.40	13.91	Fig.41	13.91	Fig.42
	1902.5	19125		75	0	14.12	Fig.43	14.08	Fig.44	14.00	Fig.45
	1860	18700	20	100	0	18.52	Fig.46	18.53	Fig.47	18.67	Fig.48
	1880	18900		100	0	18.51	Fig.49	18.57	Fig.50	18.48	Fig.51
	1900	19100		100	0	18.67	Fig.52	18.62	Fig.53	18.59	Fig.54

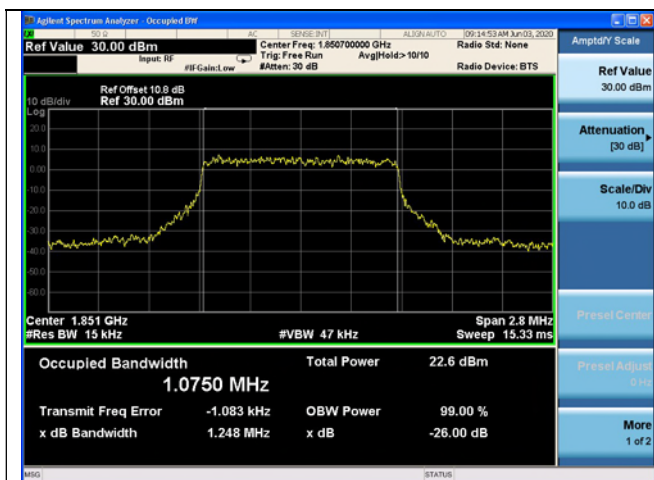


Fig.1

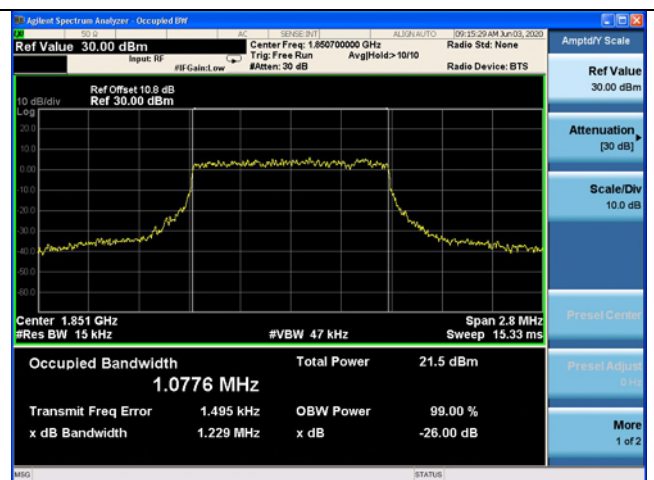


Fig.2

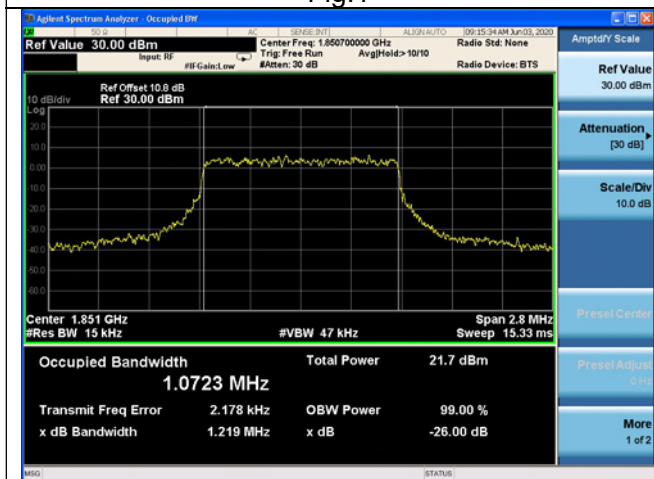


Fig.3

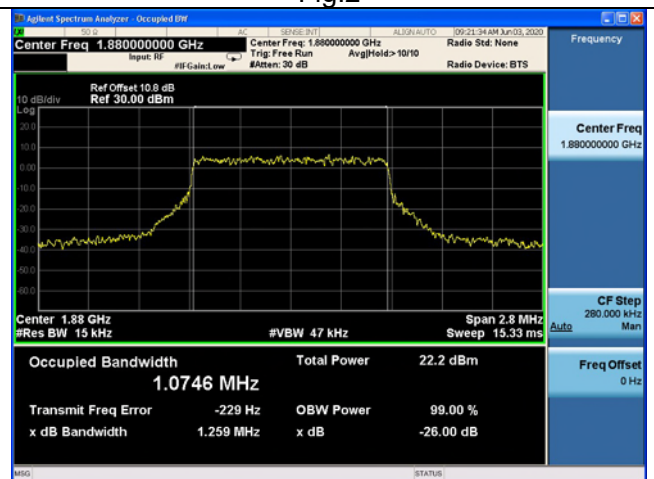


Fig.4

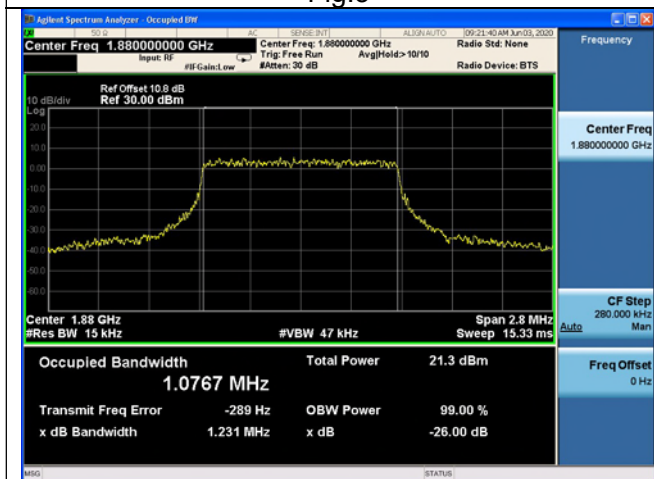


Fig.5

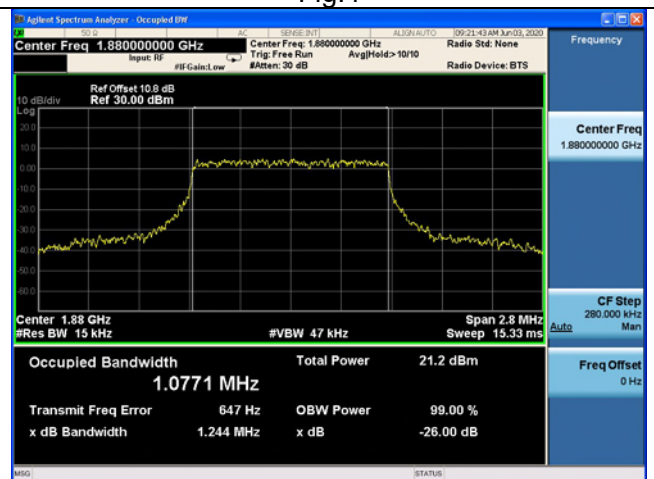


Fig.6

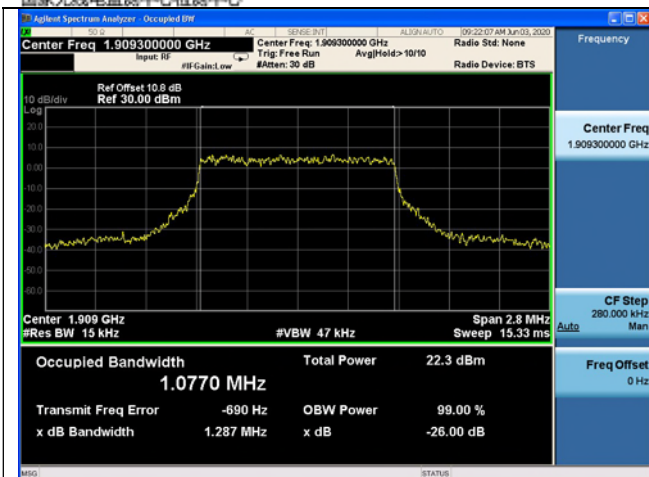


Fig.7

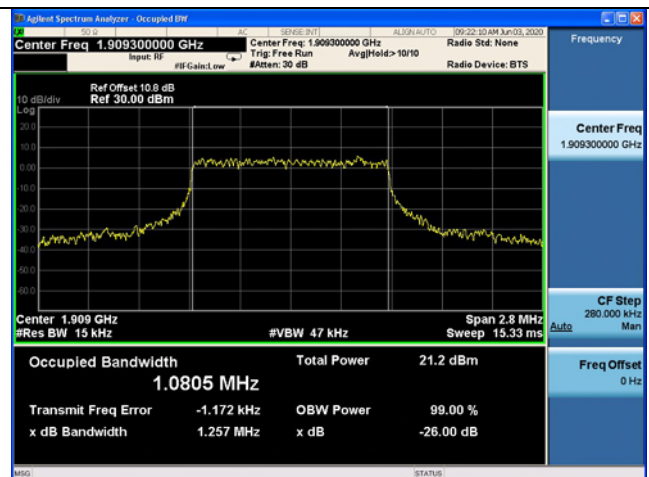


Fig.8

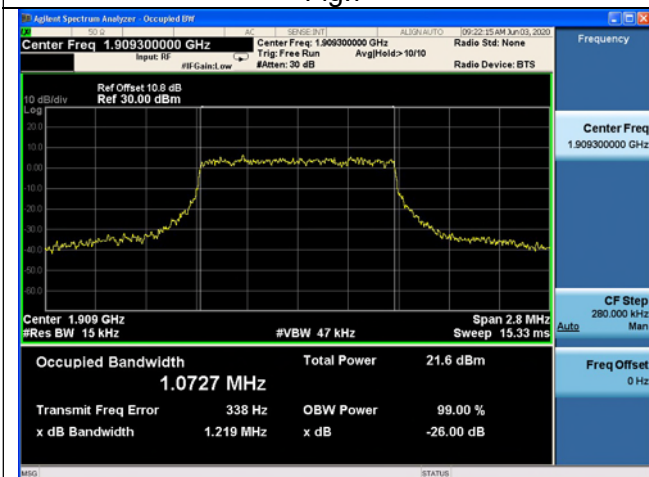


Fig.9

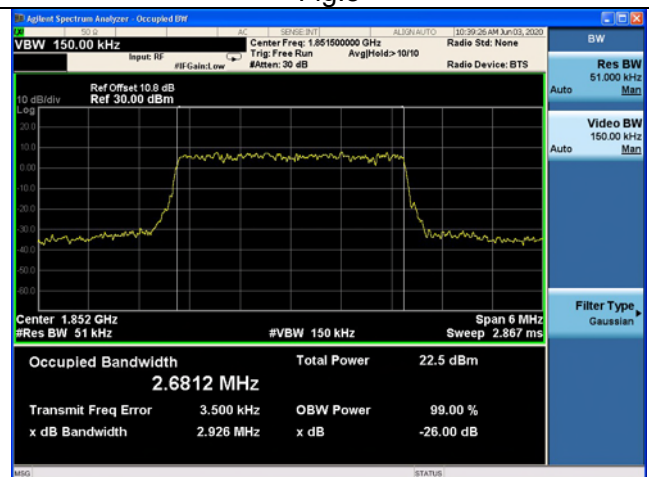


Fig.10

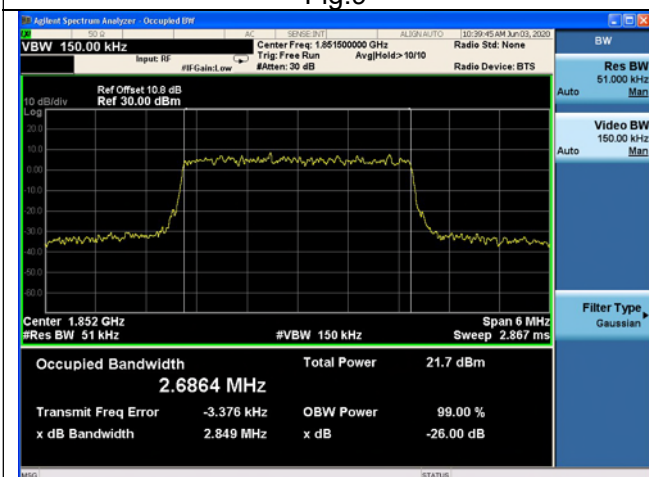


Fig.11

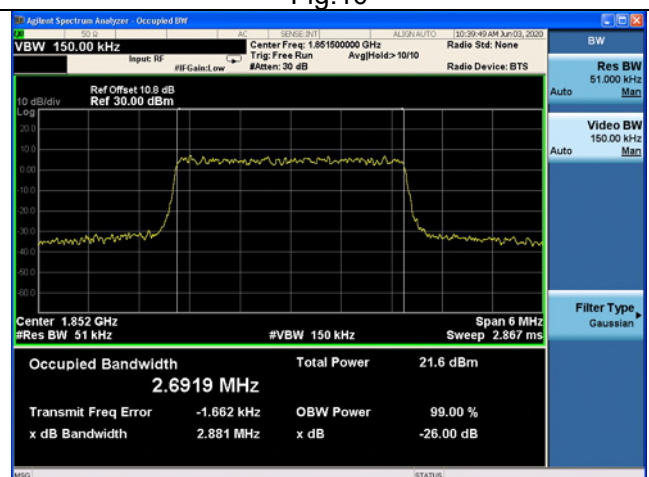


Fig.12

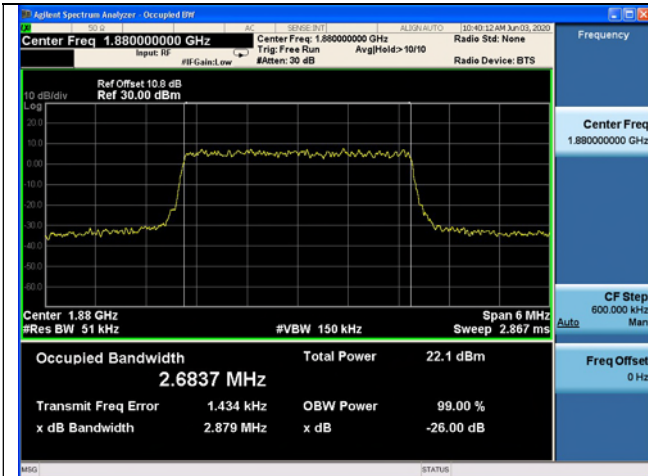


Fig.13

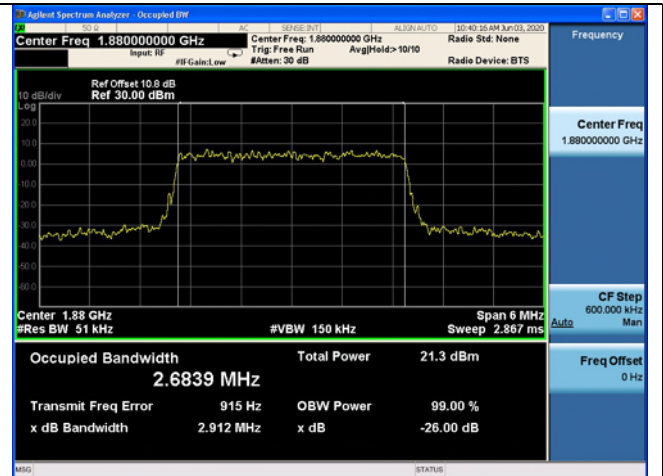


Fig.14

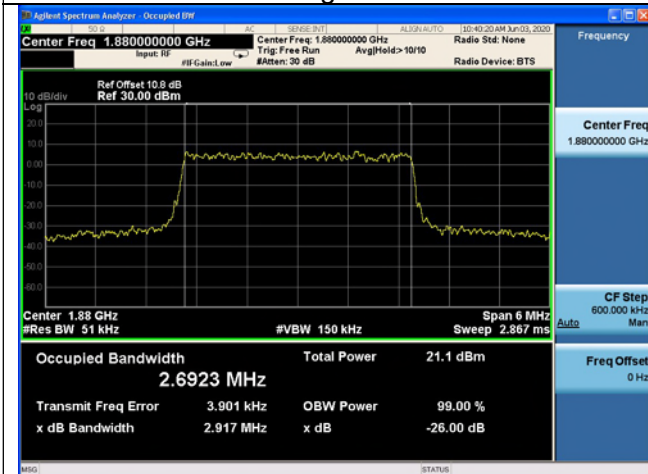


Fig.15

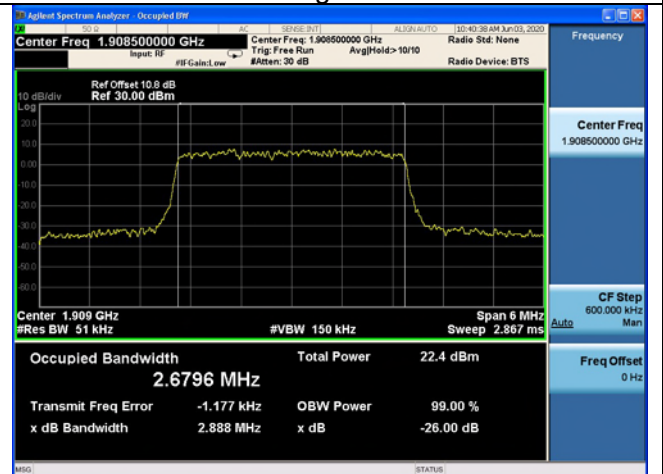


Fig.16

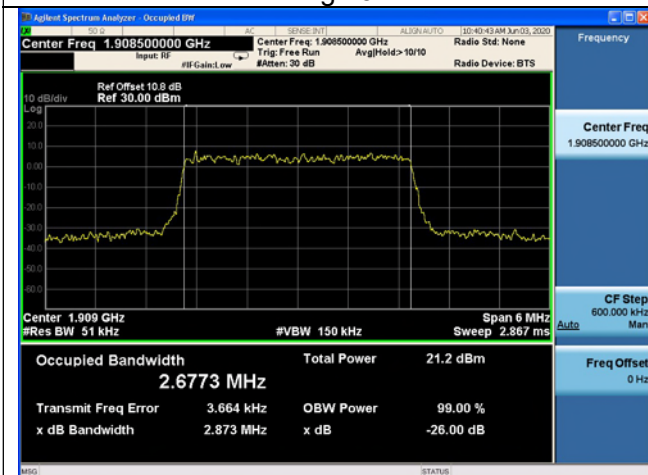


Fig.17

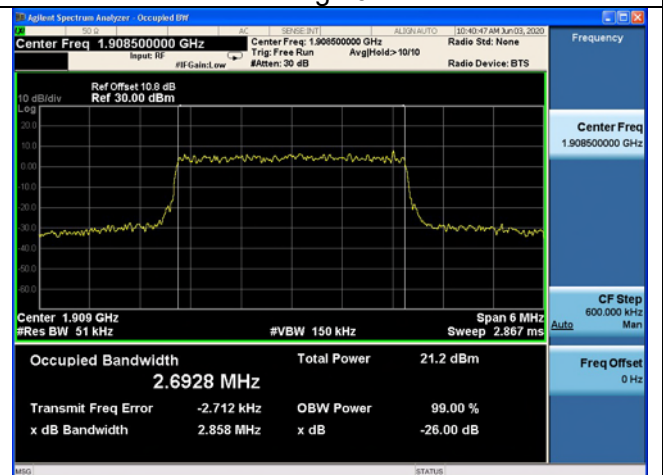


Fig.18

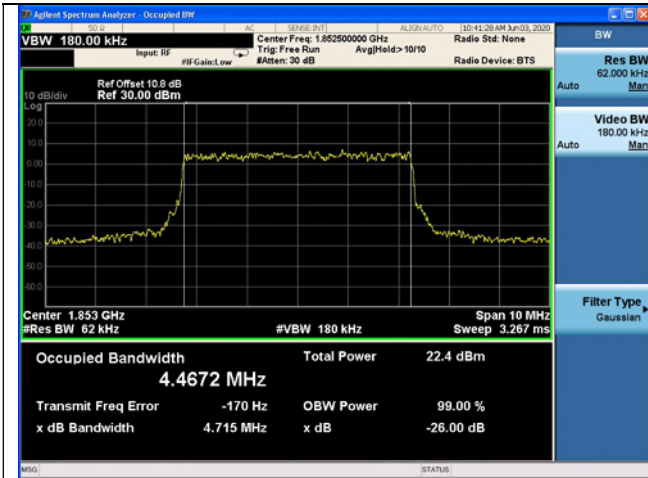


Fig.19

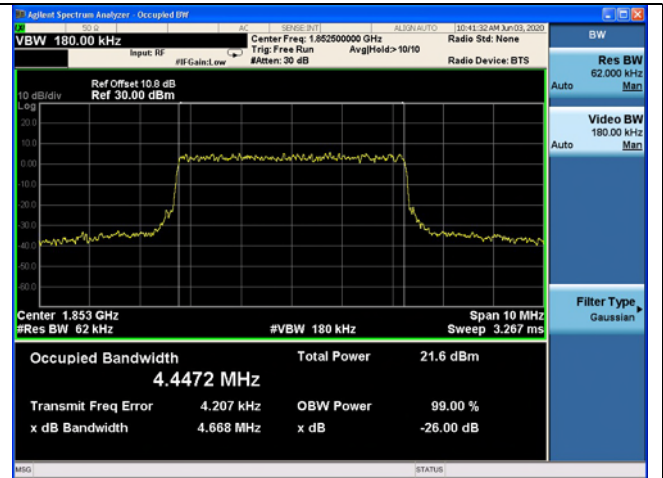


Fig.20

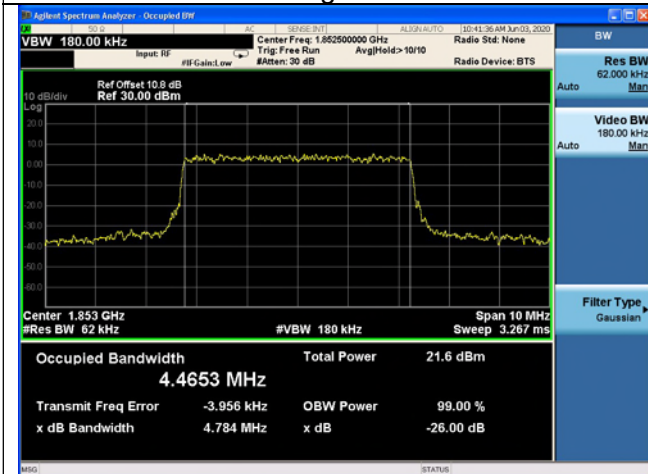


Fig.21

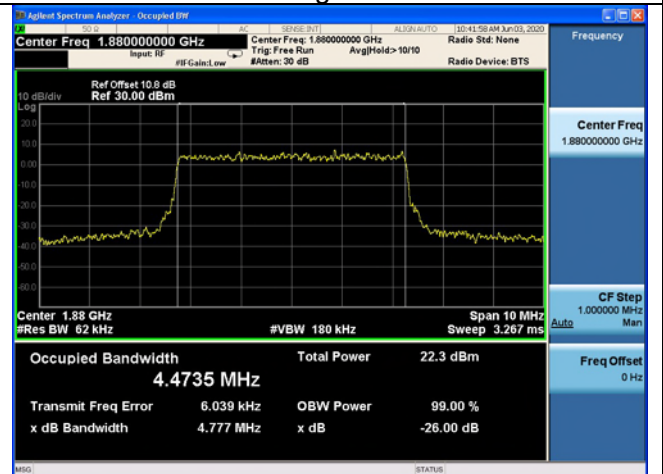


Fig.22

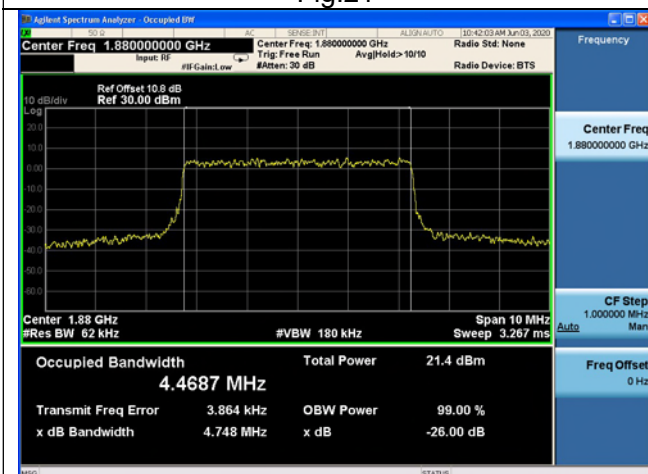


Fig.23

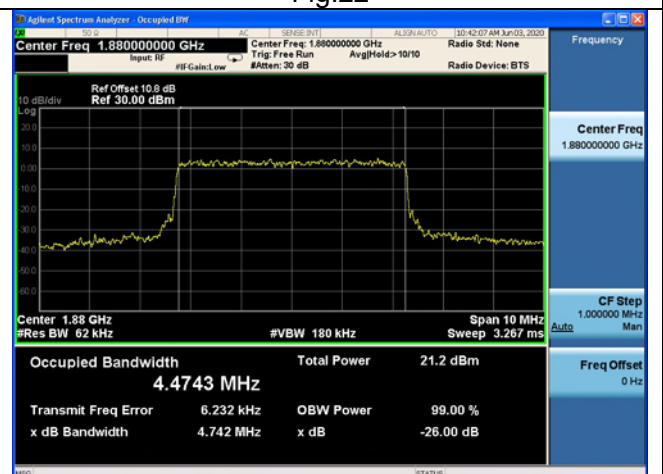


Fig.24

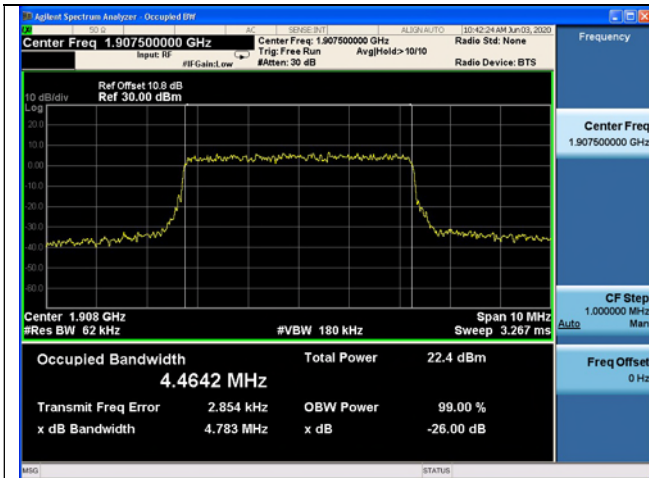


Fig.25

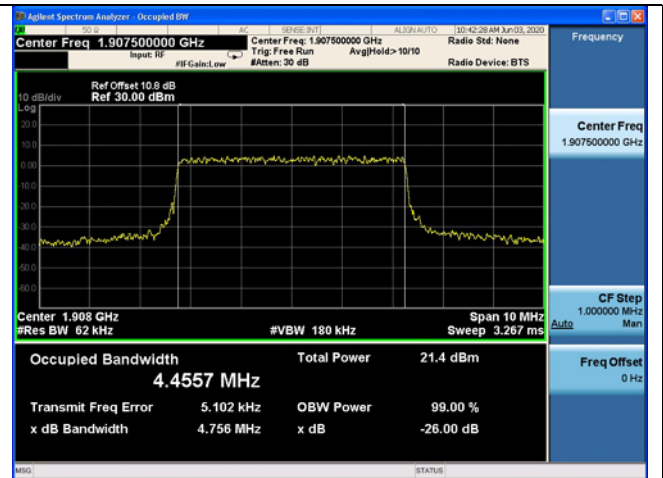


Fig.26

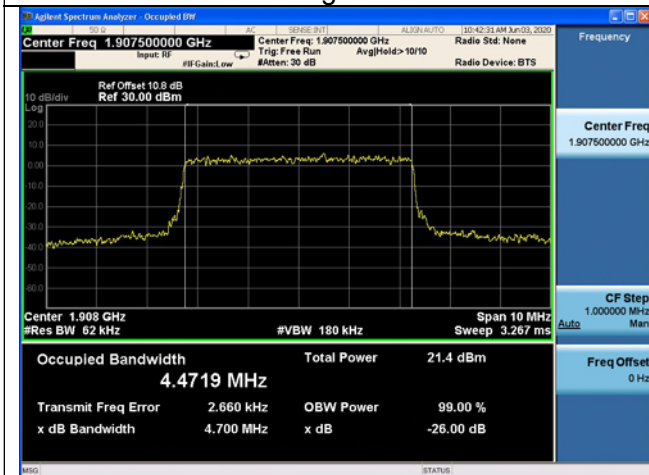


Fig.27

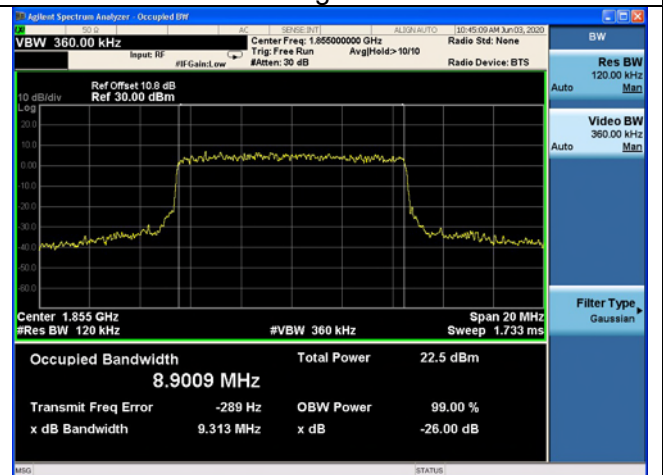


Fig.28

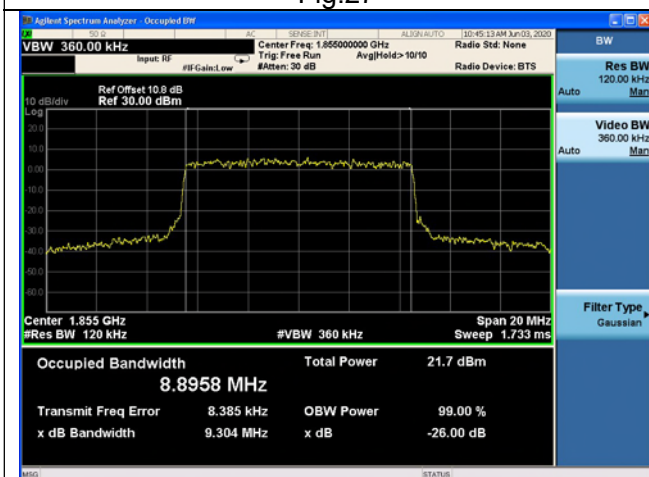


Fig.29

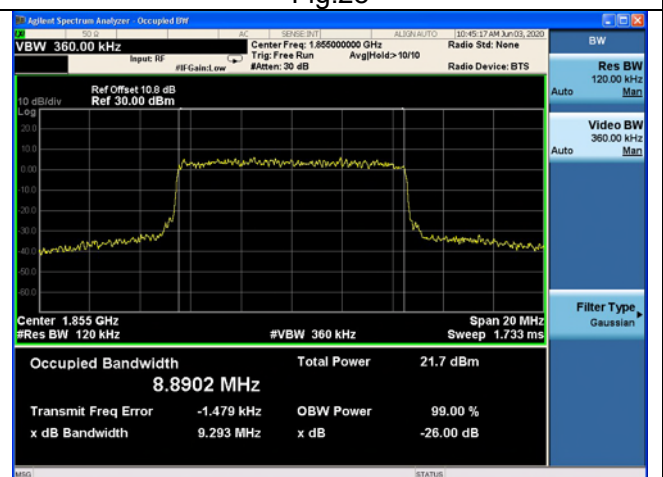


Fig.30

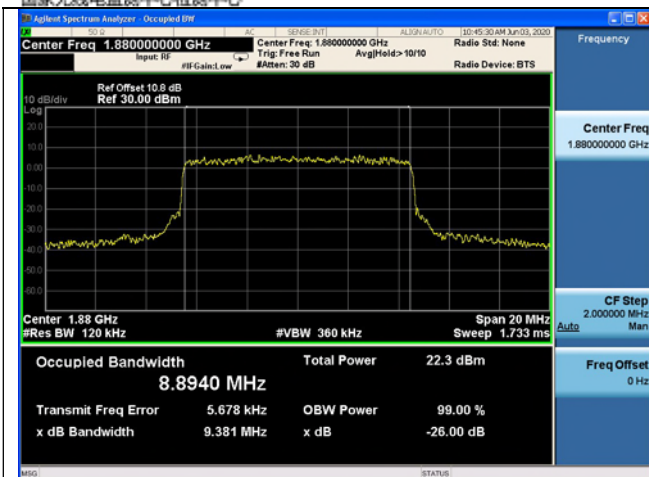


Fig.31

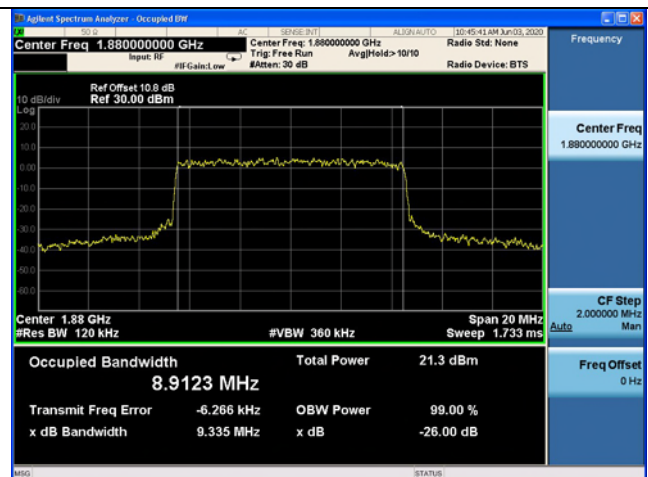


Fig.32

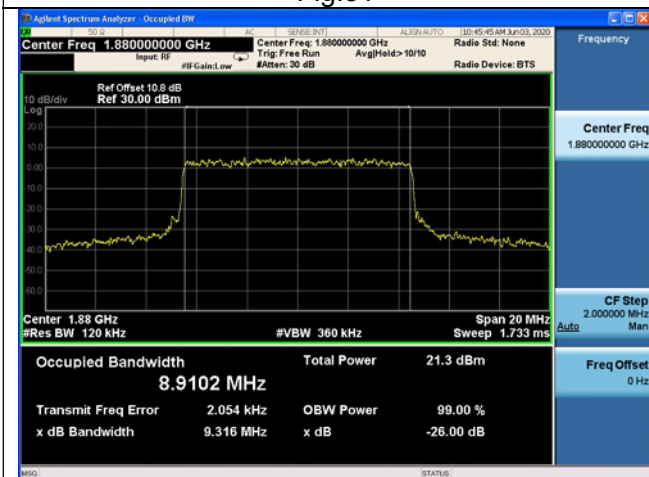


Fig.33

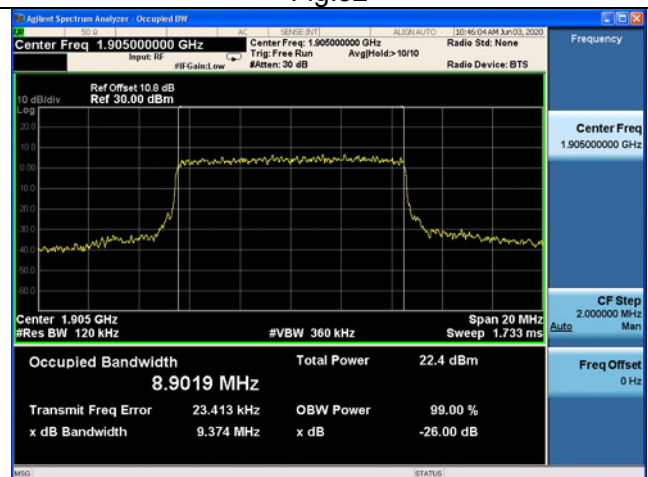


Fig.34

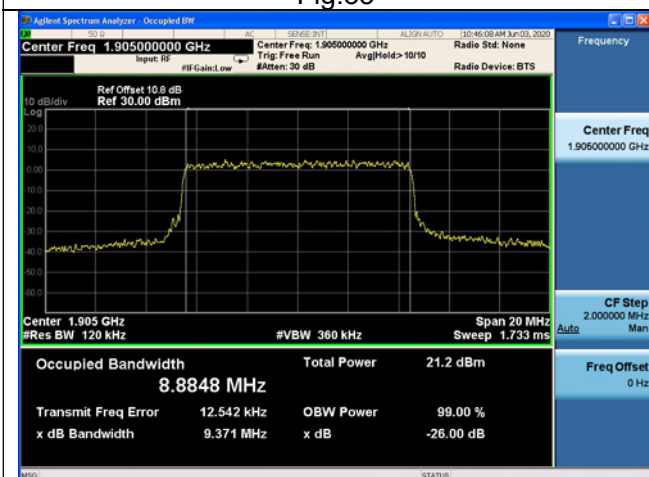


Fig.35

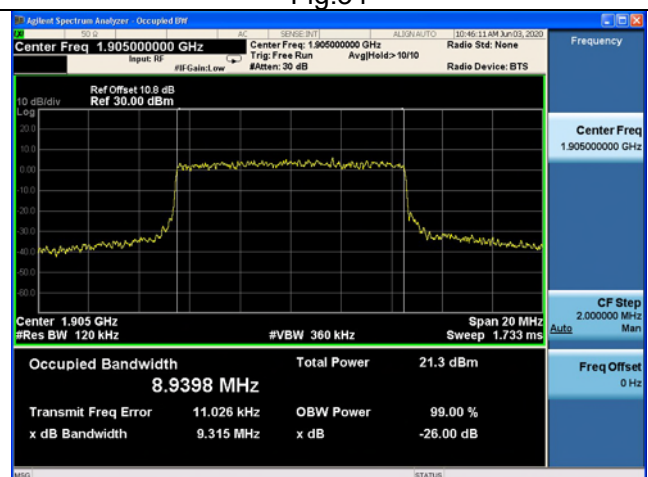


Fig.36

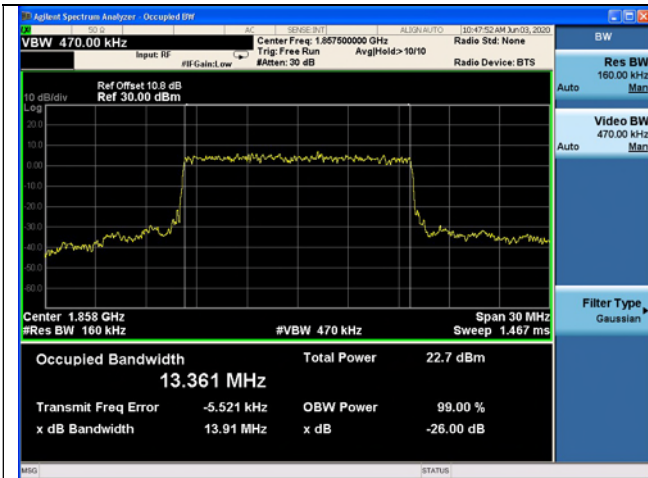


Fig.37

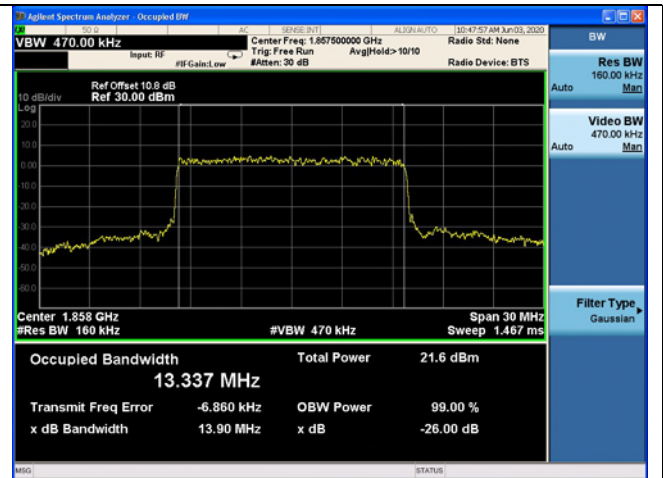


Fig.38

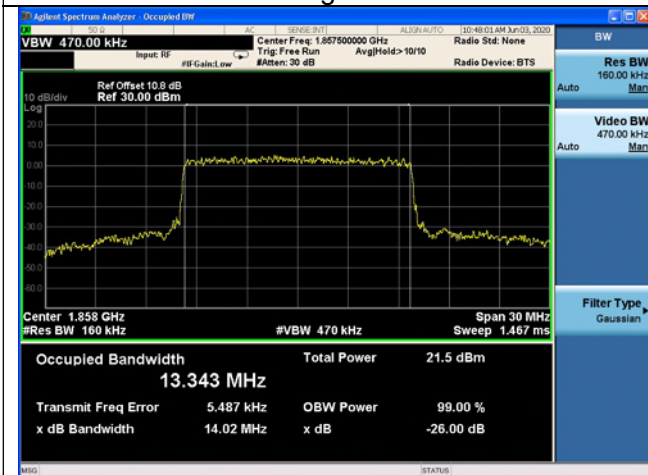


Fig.39

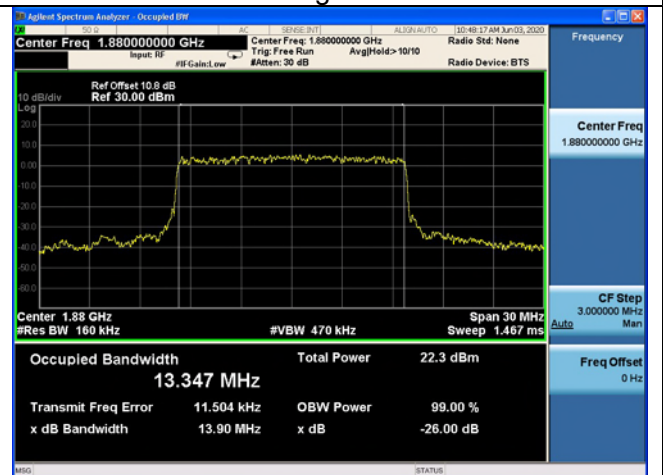


Fig.40

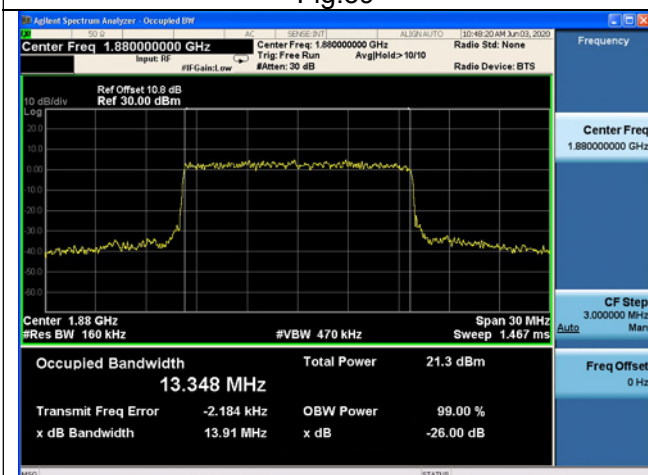


Fig.41

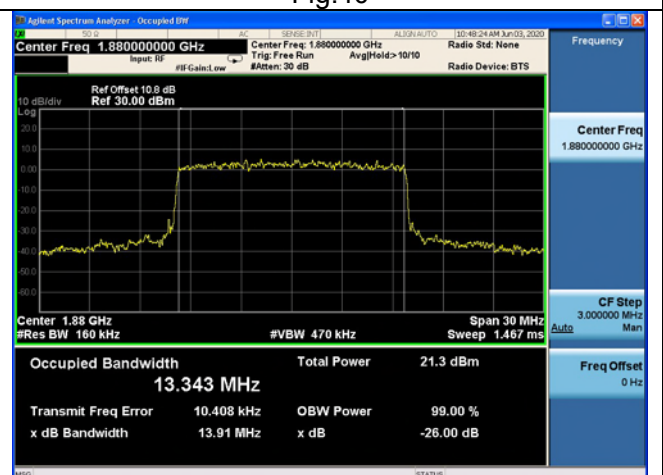


Fig.42