

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	24.48
				1	5	24.38
				3	2	22.80
				6	0	23.00
	1745	132322		1	0	24.44
				1	5	24.17
				3	2	22.83
				6	0	24.98
	1779.3	132665		1	0	24.33
				1	5	24.29
				3	2	22.82
				6	0	22.77
16QAM	1710.7	131979	1.4	1	0	23.44
				1	5	23.49
				3	2	21.88
				6	0	22.02
	1745	132322		1	0	23.67
				1	5	23.82
				3	2	21.81
				6	0	22.33
	1779.3	132665		1	0	23.29
				1	5	23.51
				3	2	22.04
				6	0	21.88
64QAM	1710.7	131979	1.4	1	0	23.20
				1	5	22.87
				3	2	22.23
				6	0	22.01
	1745	132322		1	0	23.60
				1	5	23.20
				3	2	22.00
				6	0	22.17
	1779.3	132665		1	0	23.11
				1	5	23.04
				3	2	21.96
				6	0	21.93

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	24.25
				1	14	24.24
				8	4	23.25
				15	0	23.01
	1745	132322		1	0	24.37
				1	14	24.51
				8	4	22.91
				15	0	24.97
	1778.5	132657		1	0	24.32
				1	14	24.27
				8	4	23.07
				15	0	23.23
16QAM	1711.5	131987	3	1	0	23.27
				1	14	23.71
				8	4	22.00
				15	0	21.91
	1745	132322		1	0	23.49
				1	14	23.73
				8	4	22.25
				15	0	22.31
	1778.5	132657		1	0	23.28
				1	14	23.44
				8	4	22.22
				15	0	21.96
64QAM	1711.5	131987	3	1	0	22.76
				1	14	22.98
				8	4	22.15
				15	0	22.14
	1745	132322		1	0	23.36
				1	14	23.36
				8	4	22.14
				15	0	22.23
	1778.5	132657		1	0	22.93
				1	14	22.88
				8	4	22.10
				15	0	21.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	24.22
				1	24	24.45
				12	6	22.92
				25	0	22.90
	1745	132322		1	0	24.33
				1	24	24.18
				12	6	23.07
				25	0	24.91
	1777.5	132647		1	0	24.15
				1	24	24.21
				12	6	22.93
				25	0	22.77
16QAM	1712.5	131997	5	1	0	23.50
				1	24	23.54
				12	6	21.78
				25	0	22.15
	1745	132322		1	0	23.61
				1	24	23.84
				12	6	21.81
				25	0	21.91
	1777.5	132647		1	0	23.71
				1	24	23.64
				12	6	21.96
				25	0	22.27
64QAM	1712.5	131997	5	1	0	23.00
				1	24	23.31
				12	6	22.11
				25	0	22.16
	1745	132322		1	0	23.33
				1	24	23.17
				12	6	21.85
				25	0	21.92
	1777.5	132647		1	0	22.94
				1	24	23.33
				12	6	21.99
				25	0	21.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	24.13
				1	49	24.21
				24	12	22.89
				50	0	22.83
	1745	132322		1	0	24.31
				1	49	24.43
				24	12	22.80
				50	0	24.99
	1775	132622		1	0	24.08
				1	49	24.37
				24	12	23.07
				50	0	22.94
16QAM	1715	132022	10	1	0	23.49
				1	49	23.71
				24	12	22.17
				50	0	21.92
	1745	132322		1	0	23.62
				1	49	23.90
				24	12	21.92
				50	0	22.14
	1775	132622		1	0	23.56
				1	49	23.63
				24	12	21.97
				50	0	21.99
64QAM	1715	132022	10	1	0	22.95
				1	49	23.14
				24	12	21.88
				50	0	22.20
	1745	132322		1	0	23.47
				1	49	23.60
				24	12	22.11
				50	0	22.02
	1775	132622		1	0	23.26
				1	49	23.02
				24	12	21.94
				50	0	21.96

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	24.15
				40	18	22.80
				75	0	23.03
	1745	132322		1	0	24.06
				1	74	24.37
				40	18	23.10
				75	0	25.16
	1772.5	132597		1	0	24.09
				1	74	24.18
				40	18	23.16
				75	0	22.84
16QAM	1717.5	132047	15	1	0	23.63
				1	74	23.37
				40	18	21.95
				75	0	22.02
	1745	132322		1	0	23.57
				1	74	23.53
				40	18	22.05
				75	0	22.28
	1772.5	132597		1	0	23.30
				1	74	23.27
				40	18	22.26
				75	0	21.91
64QAM	1717.5	132047	15	1	0	22.99
				1	74	23.13
				40	18	21.85
				75	0	22.03
	1745	132322		1	0	23.59
				1	74	23.41
				40	18	22.31
				75	0	22.26
	1772.5	132597		1	0	23.26
				1	74	23.09
				40	18	21.87
				75	0	22.10

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	24.52
				1	99	24.52
				50	25	23.29
				100	0	23.20
	1745	132322		1	0	24.52
				1	99	24.52
				50	25	23.16
				100	0	25.22
	1770	132572		1	0	24.51
				1	99	24.51
				50	25	23.25
				100	0	23.24
16QAM	1720	132072	20	1	0	23.74
				1	99	23.74
				50	25	22.22
				100	0	22.27
	1745	132322		1	0	23.93
				1	99	23.93
				50	25	22.30
				100	0	22.34
	1770	132572		1	0	23.77
				1	99	23.77
				50	25	22.29
				100	0	22.31
64QAM	1720	132072	20	1	0	23.25
				1	99	23.35
				50	25	22.31
				100	0	22.28
	1745	132322		1	0	23.63
				1	99	23.63
				50	25	22.34
				100	0	22.29
	1770	132572		1	0	23.38
				1	99	23.38
				50	25	22.26
				100	0	22.36

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	1.0799	Fig.1	1.0765	Fig.2	1.0816	Fig.3
	1745	132322		6	0	1.0795	Fig.4	1.0797	Fig.5	1.0810	Fig.6
	1779.3	132665		6	0	1.0788	Fig.7	1.0811	Fig.8	1.0784	Fig.9
	1711.5	131987	3	15	0	2.6983	Fig.10	2.6908	Fig.11	2.6894	Fig.12
	1745	132322		15	0	2.6981	Fig.13	2.6953	Fig.14	2.7072	Fig.15
	1778.5	132657		15	0	2.6946	Fig.16	2.6994	Fig.17	2.6933	Fig.18
	1712.5	131997	5	25	0	4.4770	Fig.19	4.4680	Fig.20	4.4670	Fig.21
	1745	132322		25	0	4.4793	Fig.22	4.4685	Fig.23	4.4738	Fig.24
	1777.5	132647		25	0	4.4808	Fig.25	4.4726	Fig.26	4.4706	Fig.27
	1715	132022	10	50	0	8.9591	Fig.28	8.9418	Fig.29	8.9453	Fig.30
	1745	132322		50	0	8.9584	Fig.31	8.9576	Fig.32	8.9242	Fig.33
	1775	132622		50	0	8.9448	Fig.34	8.9236	Fig.35	8.9419	Fig.36
	1717.5	132047	15	75	0	13.434	Fig.37	13.384	Fig.38	13.448	Fig.39
	1745	132322		75	0	13.397	Fig.40	13.374	Fig.41	13.368	Fig.42
	1772.5	132597		75	0	13.377	Fig.43	13.381	Fig.44	13.373	Fig.45
	1720	132072	20	100	0	17.882	Fig.46	17.897	Fig.47	17.861	Fig.48
	1745	132322		100	0	17.879	Fig.49	17.898	Fig.50	17.874	Fig.51
	1770	132572		100	0	17.879	Fig.52	17.883	Fig.53	17.839	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	1.230	Fig.1	1.238	Fig.2	1.222	Fig.3
	1745	132322		6	0	1.221	Fig.4	1.227	Fig.5	1.246	Fig.6
	1779.3	132665		6	0	1.263	Fig.7	1.228	Fig.8	1.251	Fig.9
	1711.5	131987	3	15	0	3.002	Fig.10	3.003	Fig.11	2.974	Fig.12
	1745	132322		15	0	3.017	Fig.13	3.022	Fig.14	3.005	Fig.15
	1778.5	132657		15	0	3.017	Fig.16	3.022	Fig.17	3.008	Fig.18
	1712.5	131997	5	25	0	4.933	Fig.19	4.912	Fig.20	4.856	Fig.21
	1745	132322		25	0	5.168	Fig.22	4.976	Fig.23	5.008	Fig.24
	1777.5	132647		25	0	5.160	Fig.25	4.992	Fig.26	5.151	Fig.27
	1715	132022	10	50	0	9.791	Fig.28	9.627	Fig.29	9.772	Fig.30
	1745	132322		50	0	9.648	Fig.31	9.836	Fig.32	9.771	Fig.33
	1775	132622		50	0	9.902	Fig.34	9.701	Fig.35	9.833	Fig.36
	1717.5	132047	15	75	0	14.98	Fig.37	14.59	Fig.38	14.58	Fig.39
	1745	132322		75	0	14.61	Fig.40	14.50	Fig.41	14.50	Fig.42
	1772.5	132597		75	0	14.37	Fig.43	14.36	Fig.44	14.36	Fig.45
	1720	132072	20	100	0	19.30	Fig.46	19.20	Fig.47	19.33	Fig.48
	1745	132322		100	0	19.25	Fig.49	19.13	Fig.50	19.08	Fig.51
	1770	132572		100	0	19.53	Fig.52	19.36	Fig.53	19.05	Fig.54

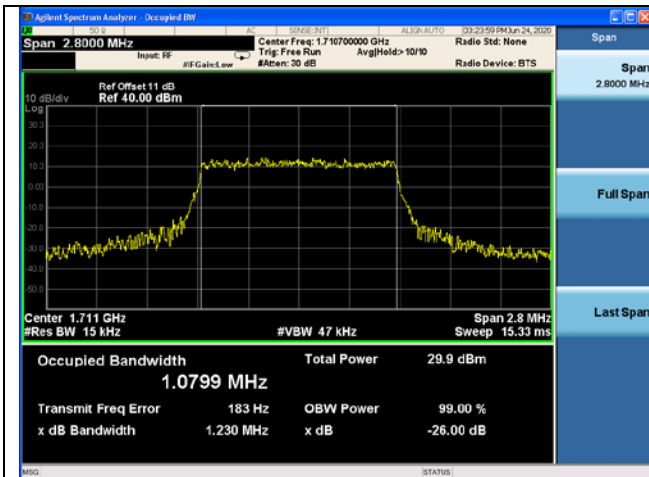


Fig.1

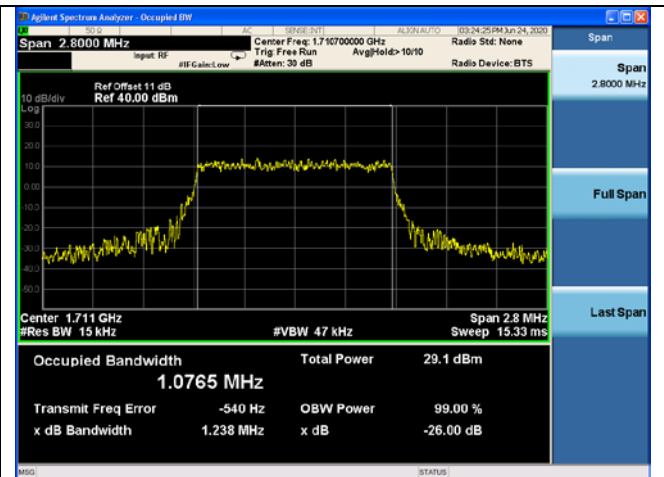


Fig.2

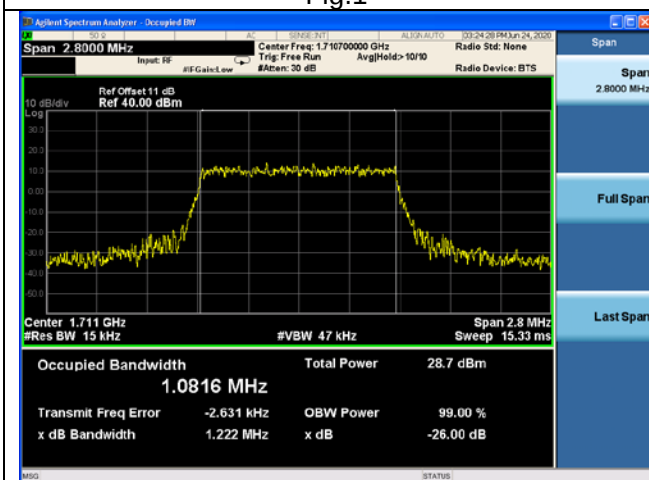


Fig.3

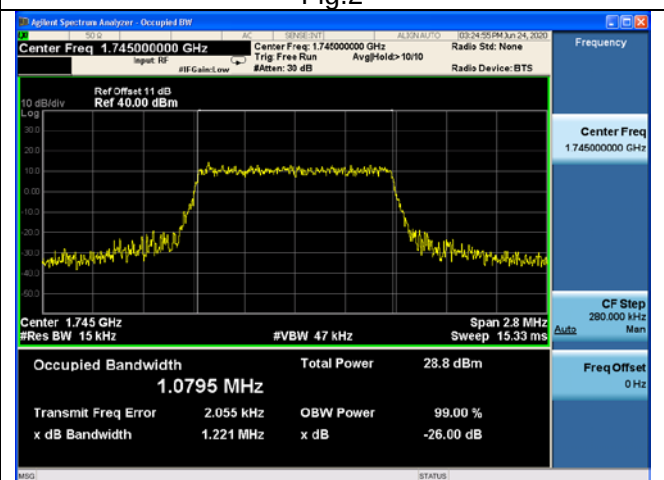


Fig.4

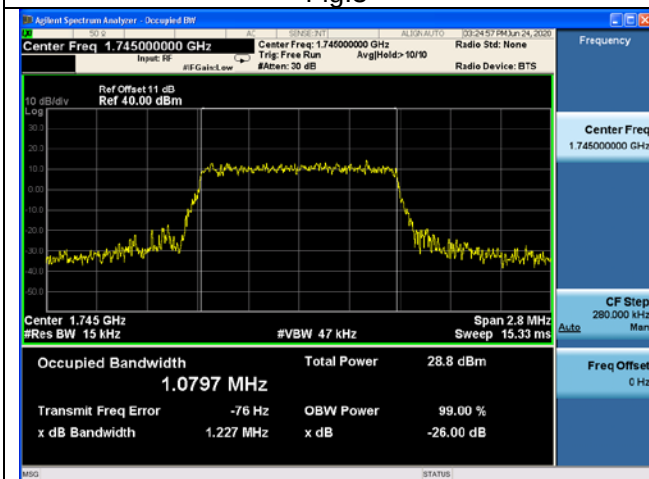


Fig.5

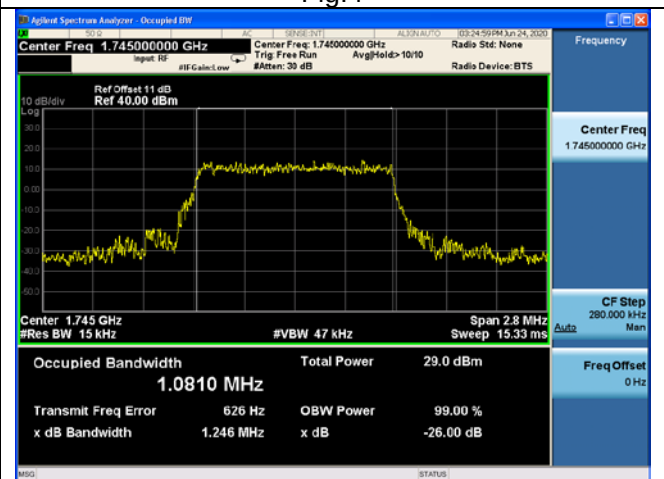


Fig.6

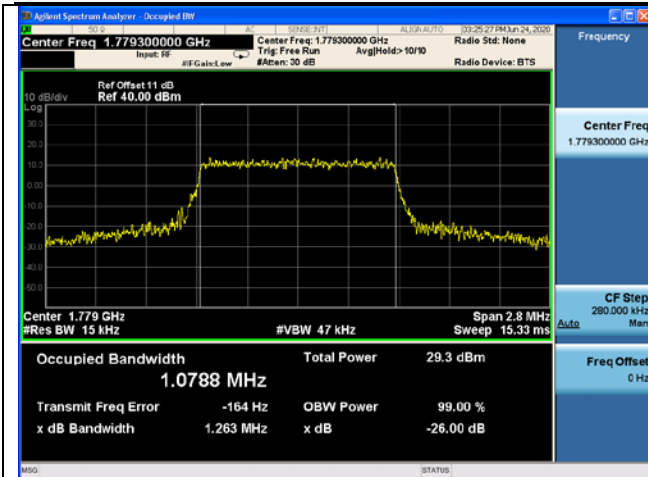


Fig.7

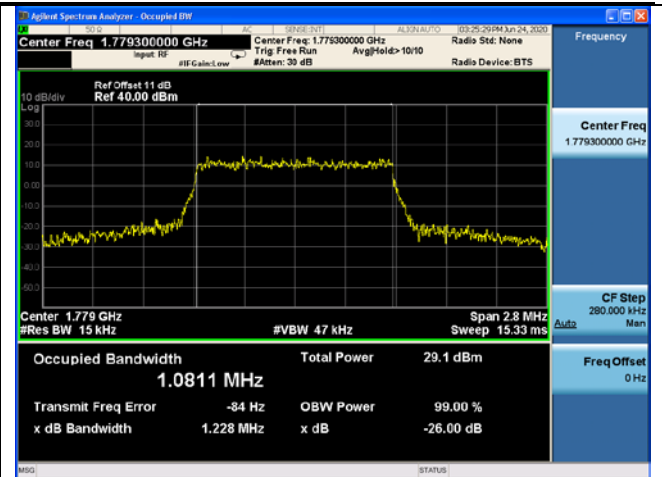


Fig.8

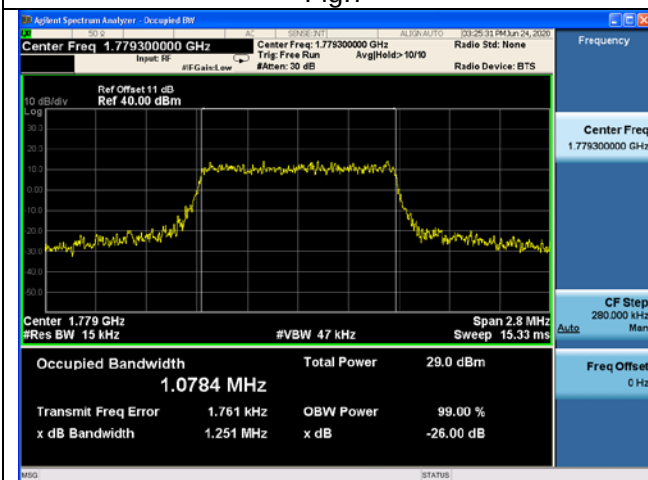


Fig.9

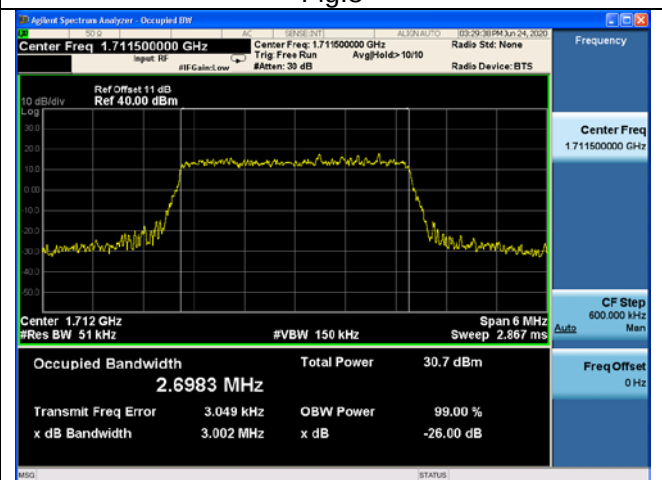


Fig.10

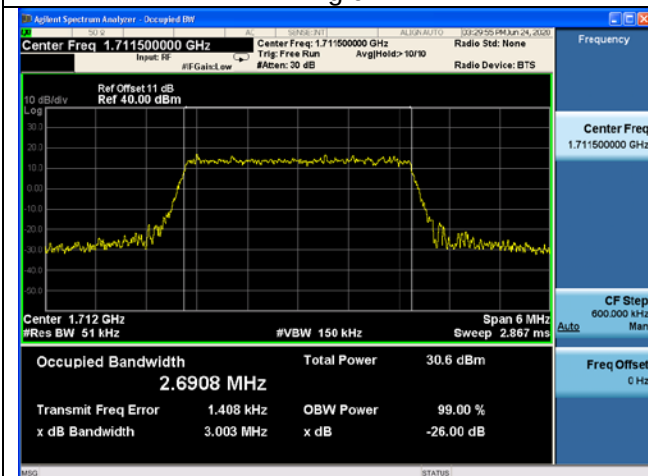


Fig.11

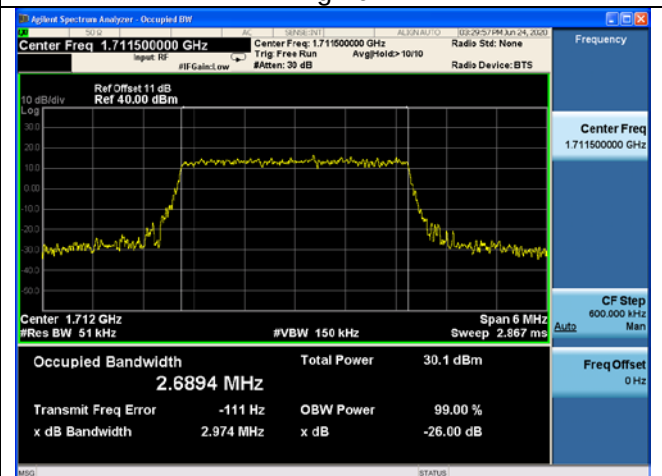


Fig.12

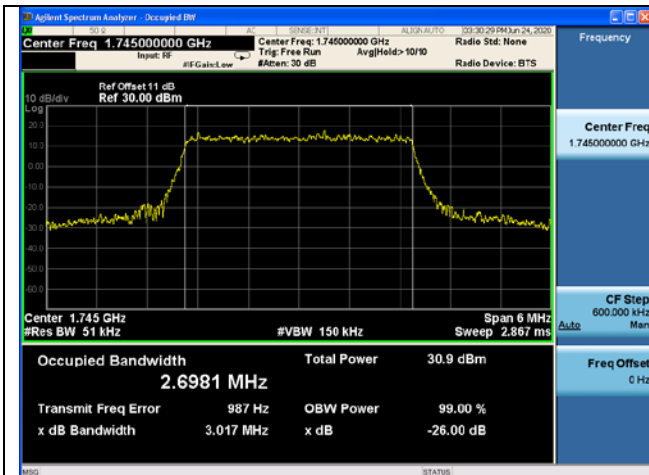


Fig.13

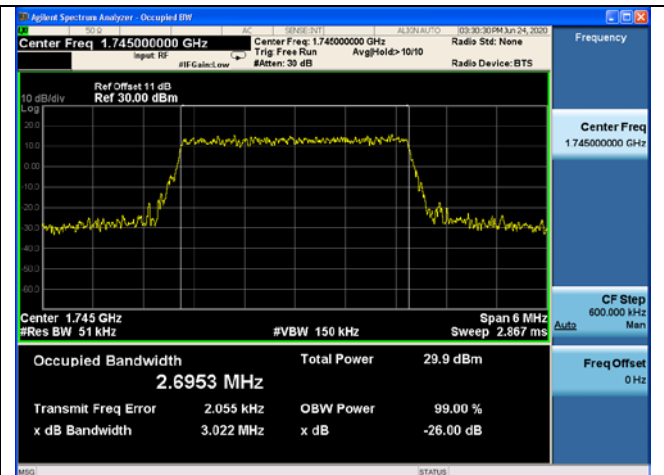


Fig.14

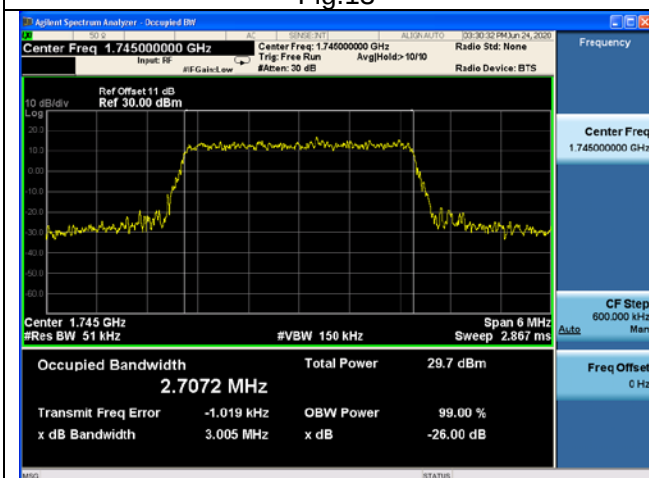


Fig.15

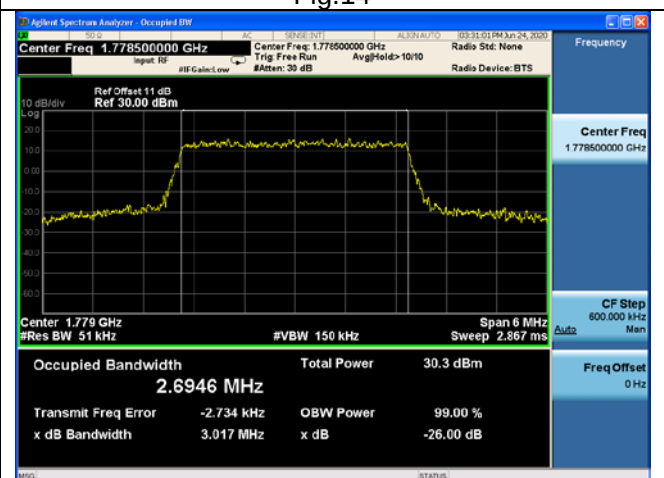


Fig.16

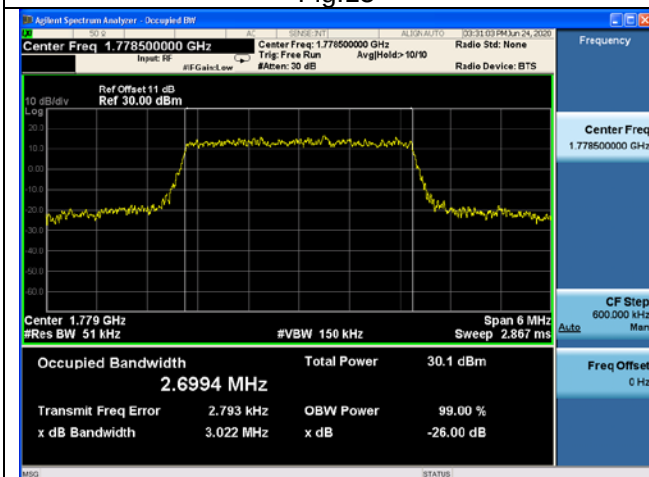


Fig.17

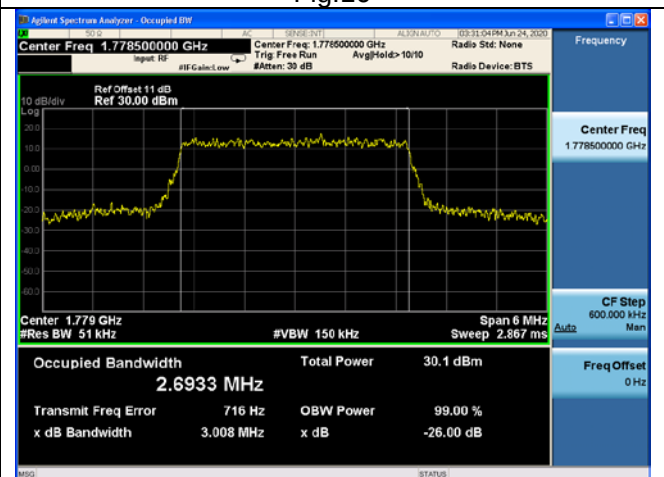


Fig.18

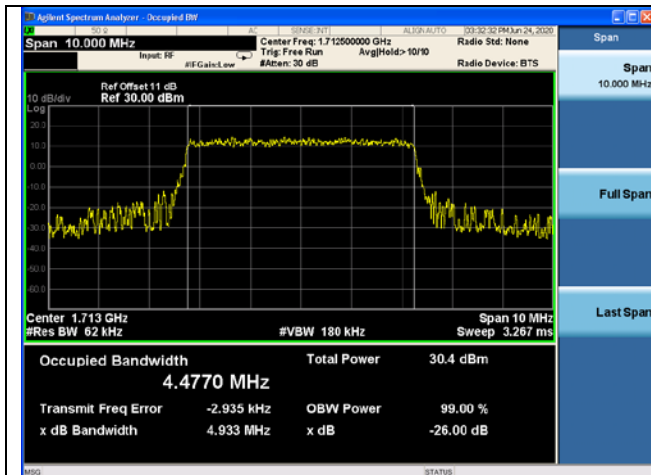


Fig.19

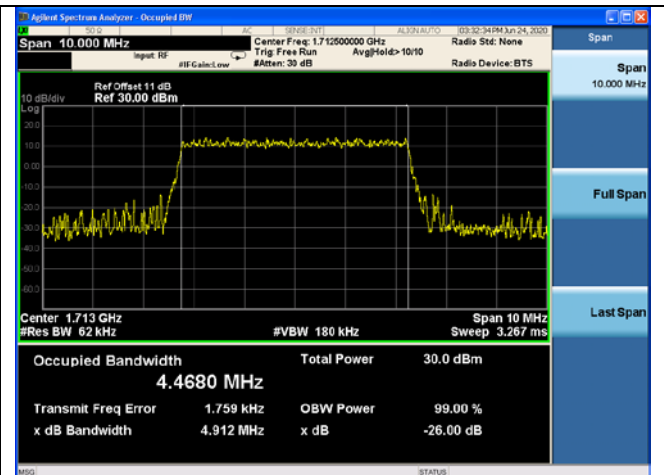


Fig.20

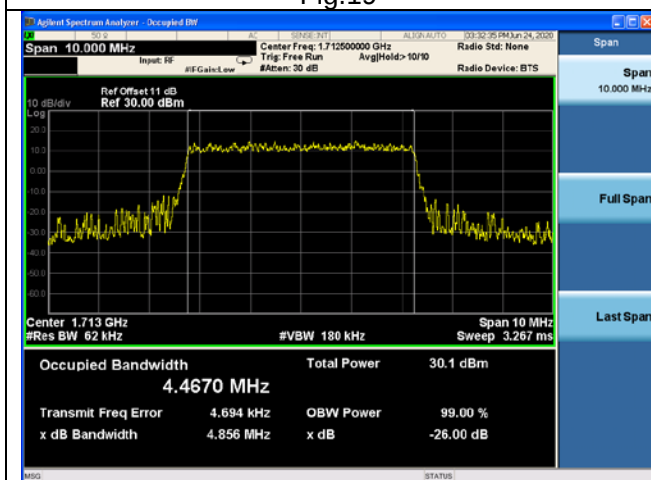


Fig.21

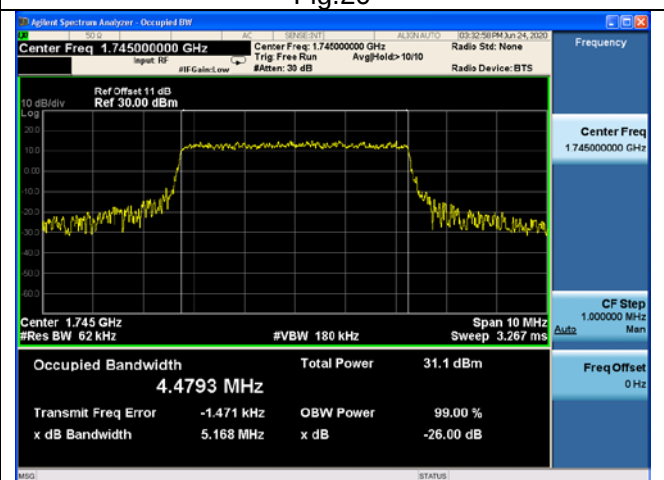


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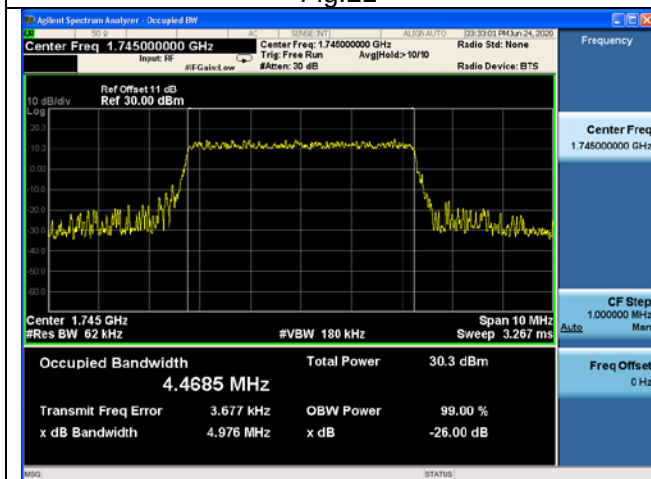


Fig.23

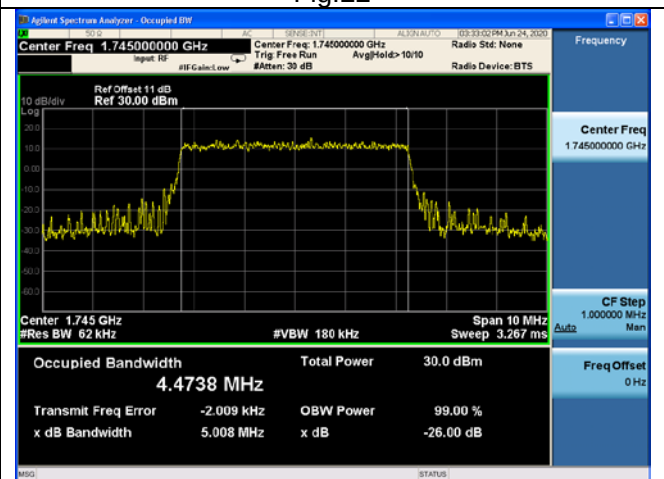


Fig.24

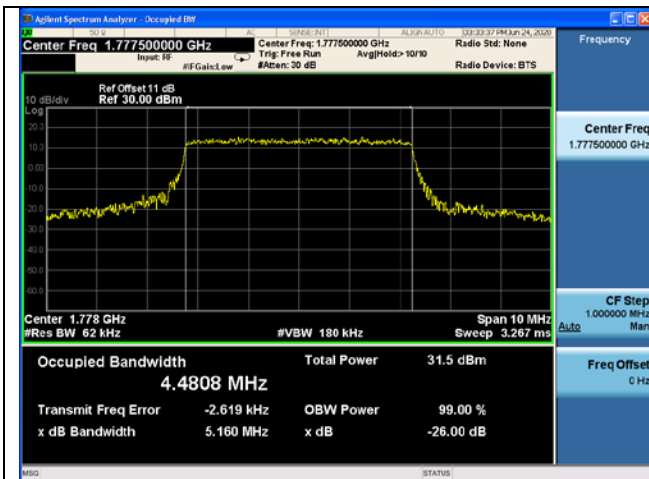


Fig.25

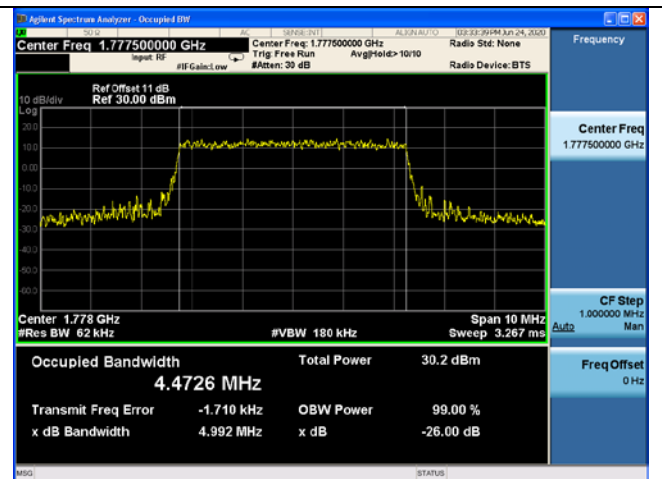


Fig.26

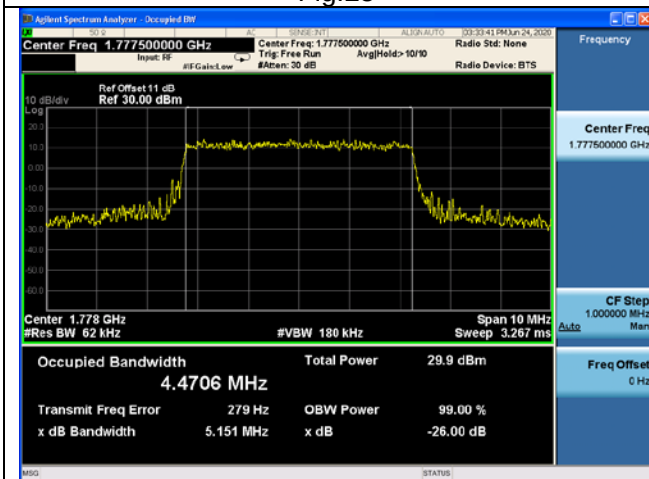


Fig.27

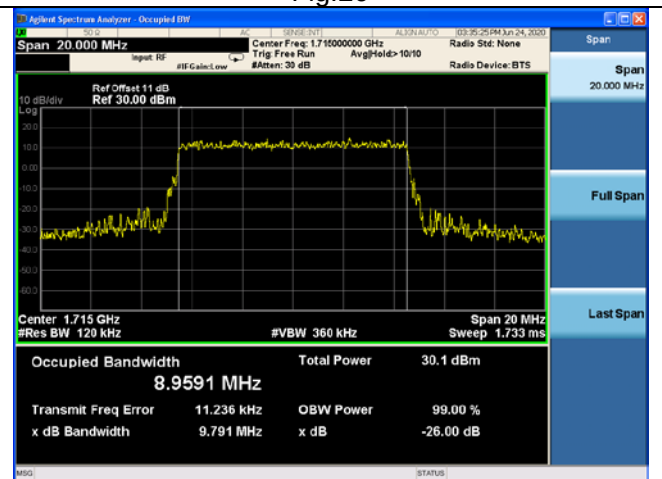


Fig.28

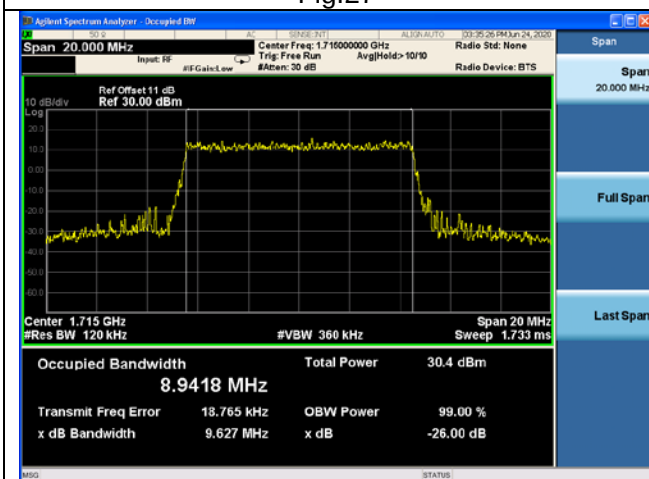


Fig.29

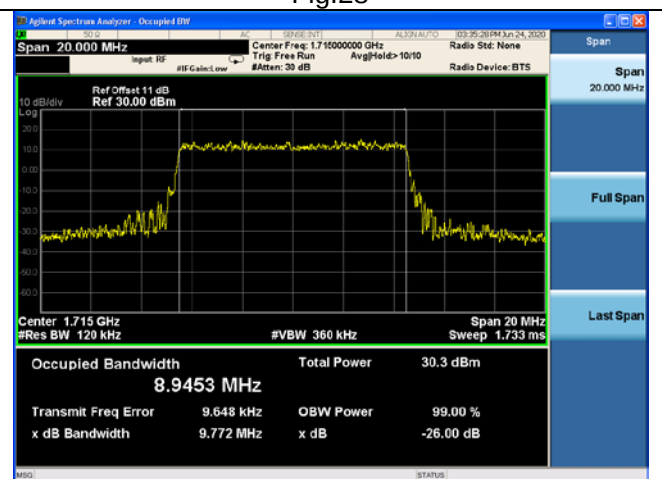


Fig.30

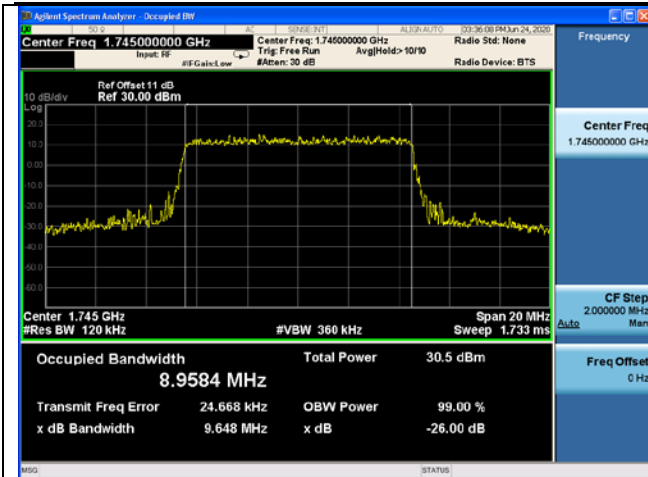


Fig.31

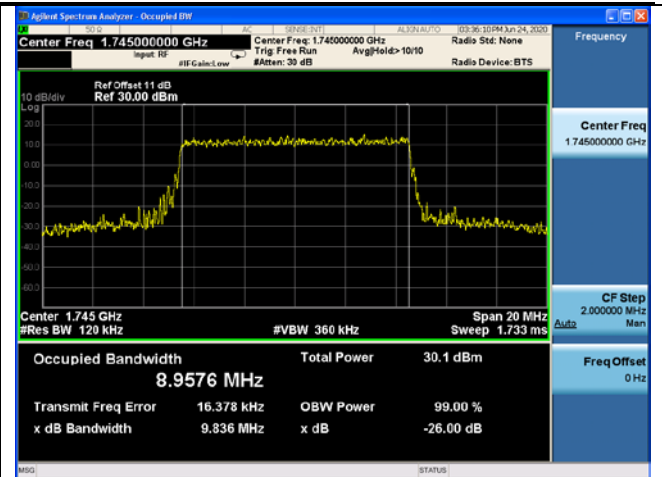


Fig.32

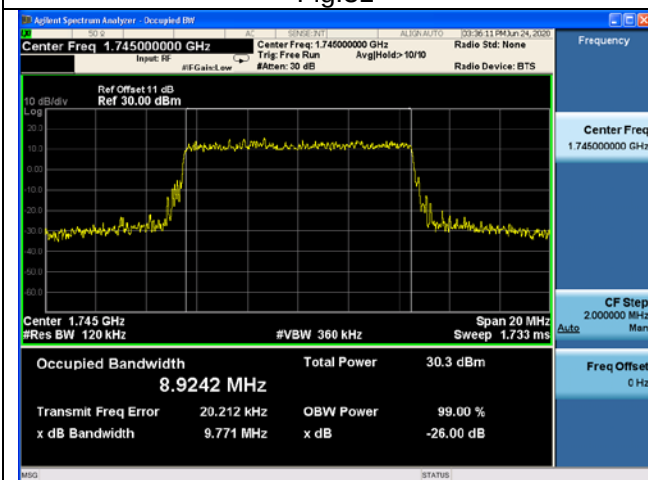


Fig.33

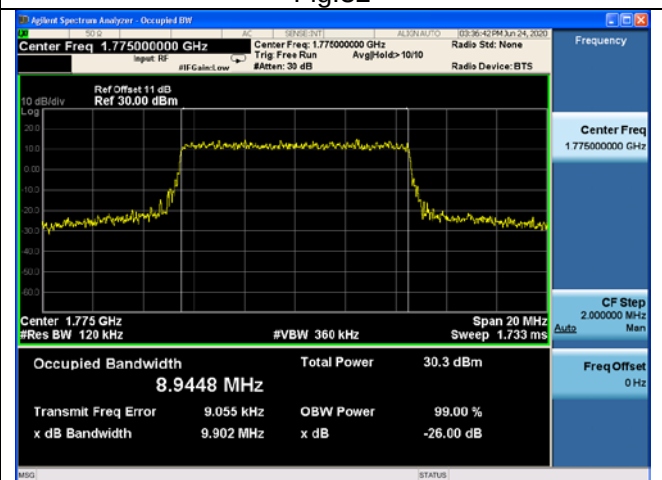


Fig.34

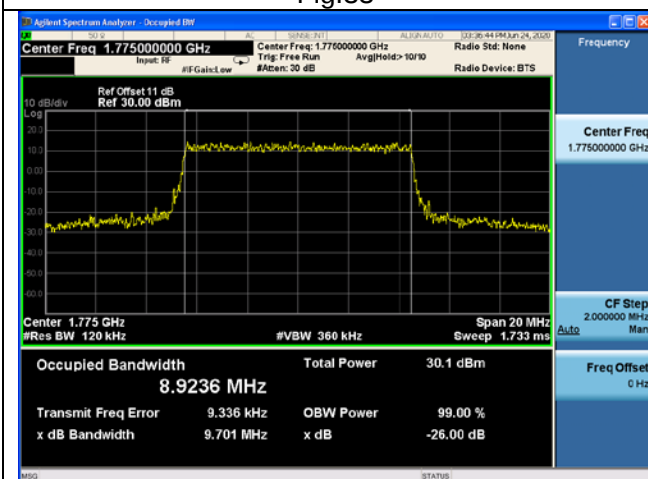


Fig.35

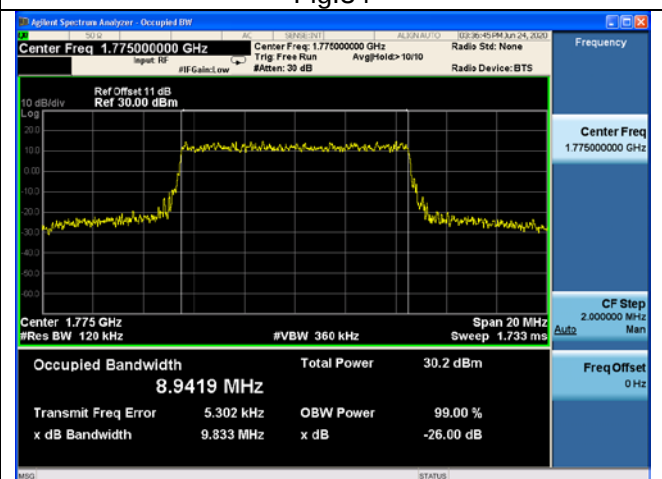


Fig.36

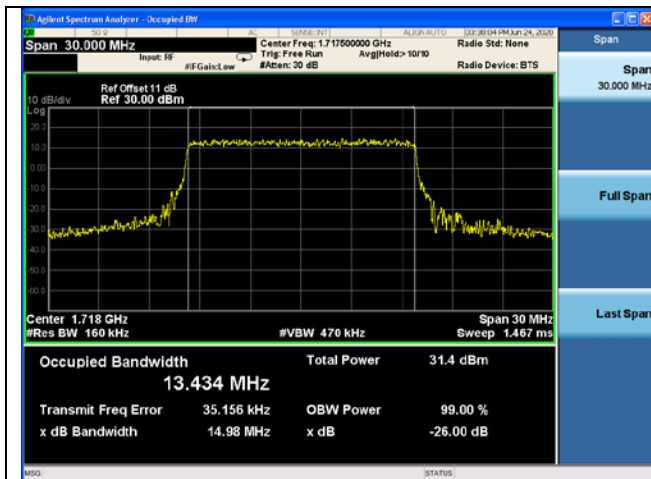


Fig.37

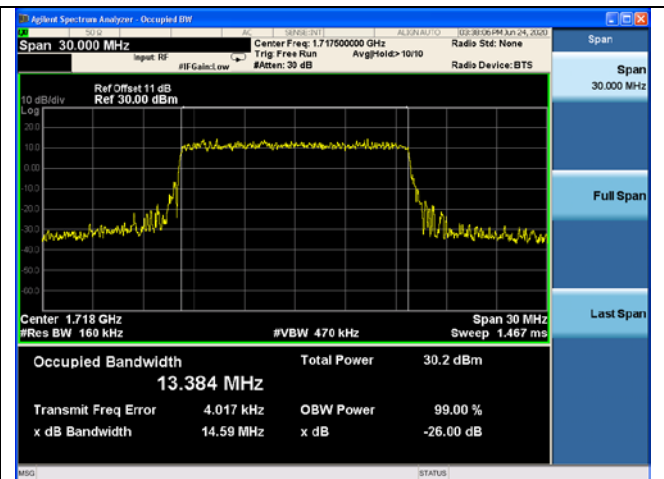


Fig.38

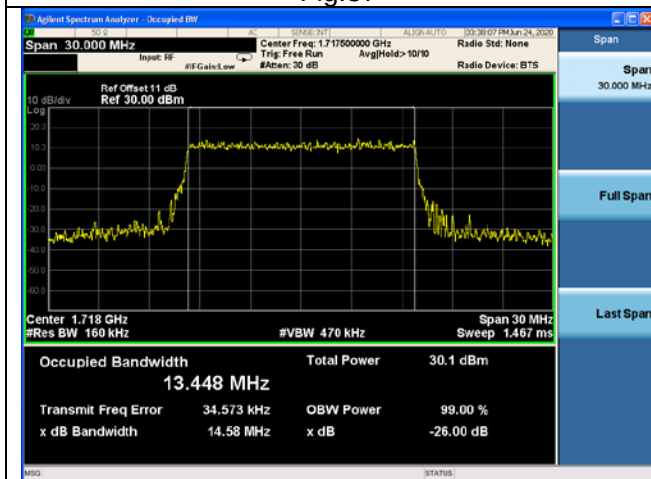


Fig.39

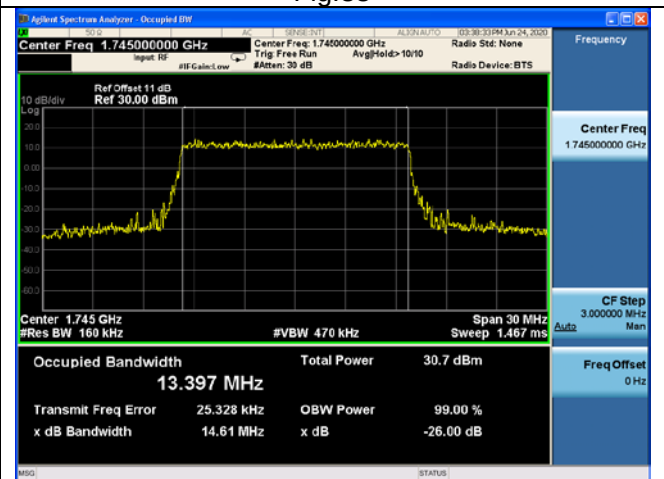


Fig.40

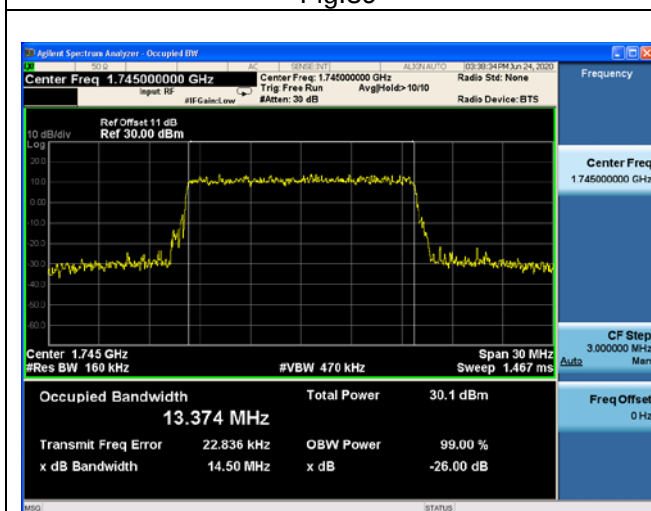


Fig.41

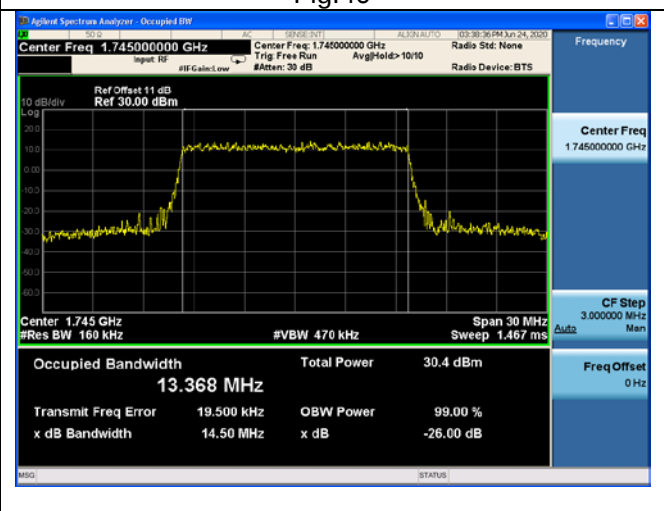


Fig.42

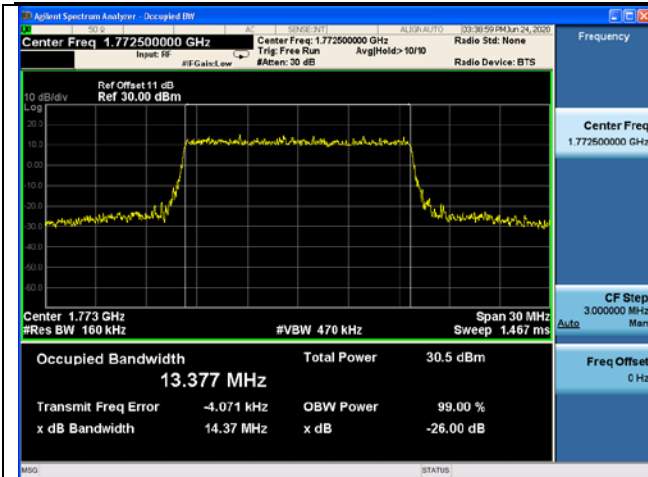


Fig.43

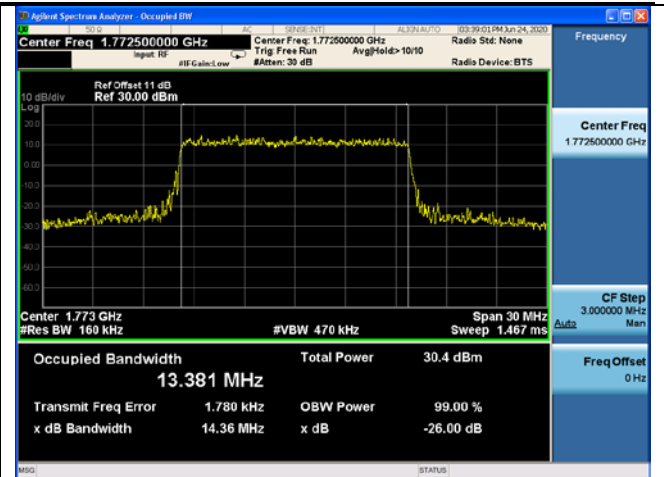


Fig.44

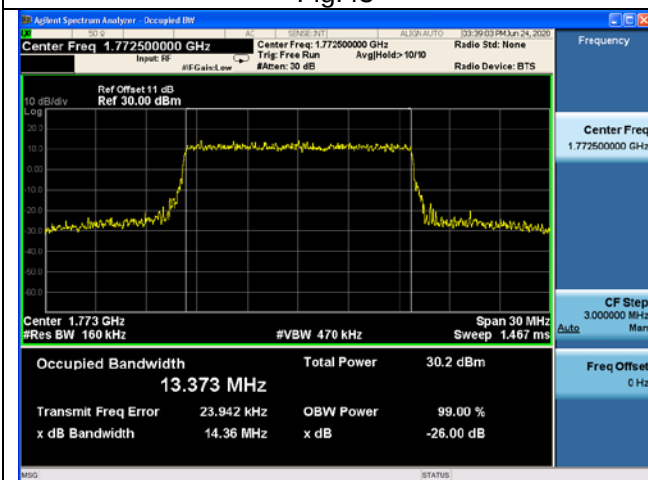


Fig.45

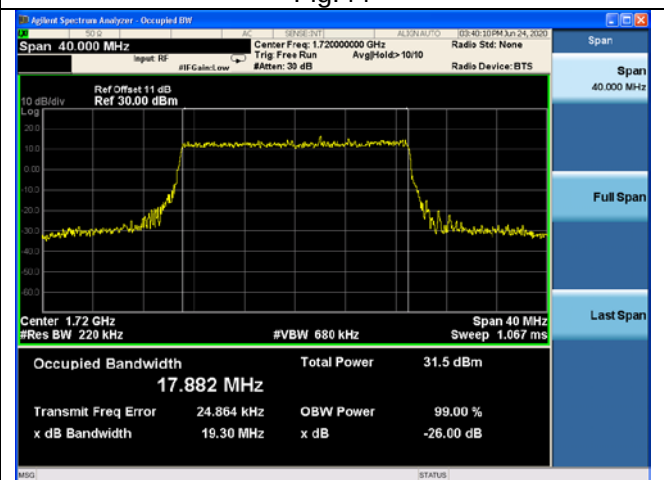


Fig.46

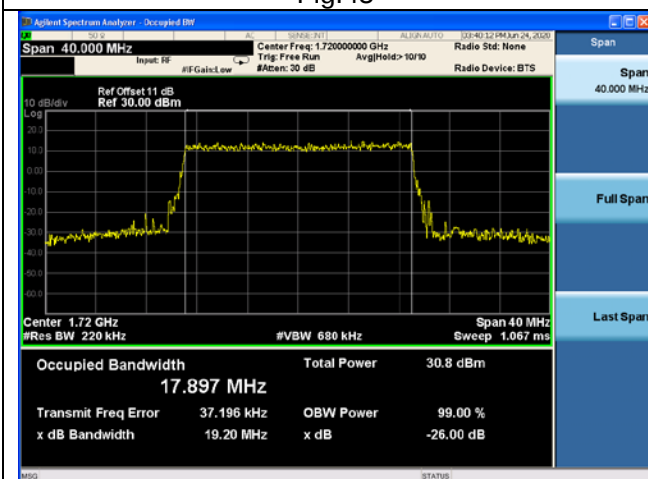


Fig.47

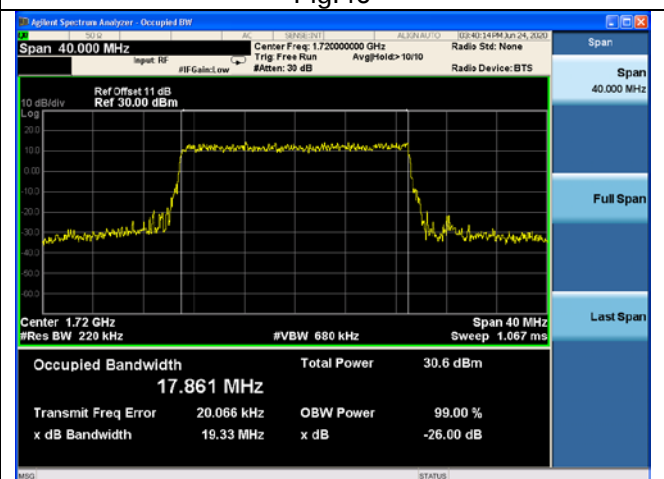


Fig.48

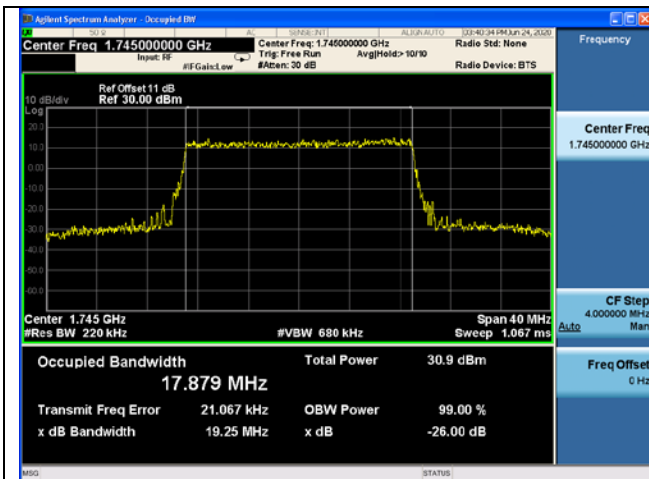


Fig.49

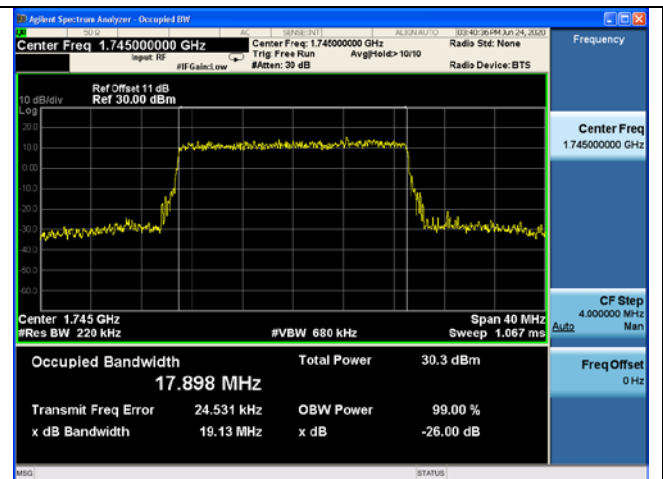


Fig.50

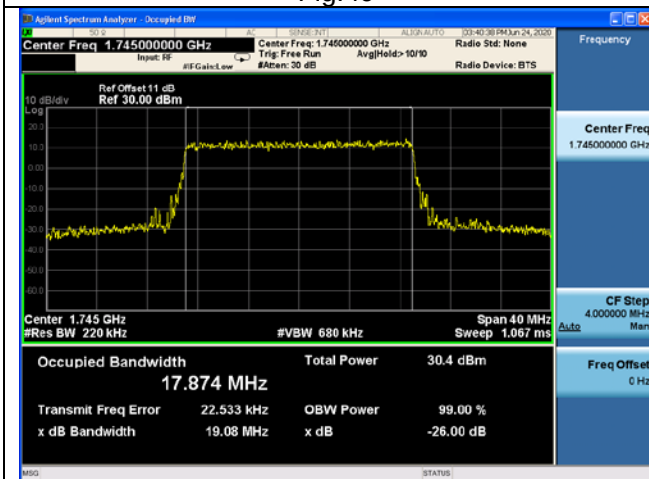


Fig.51

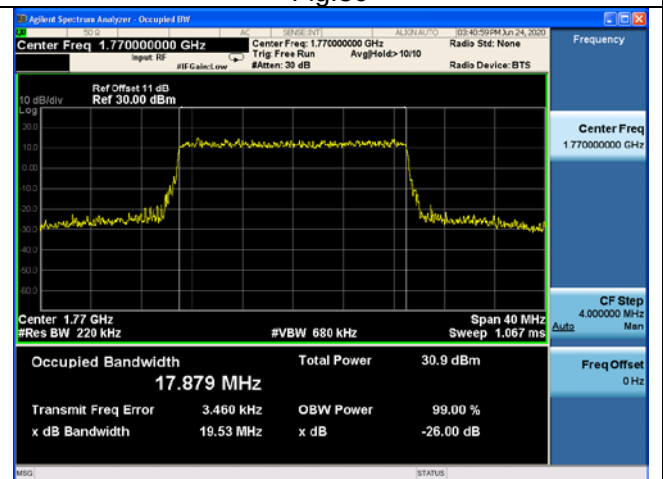


Fig.52

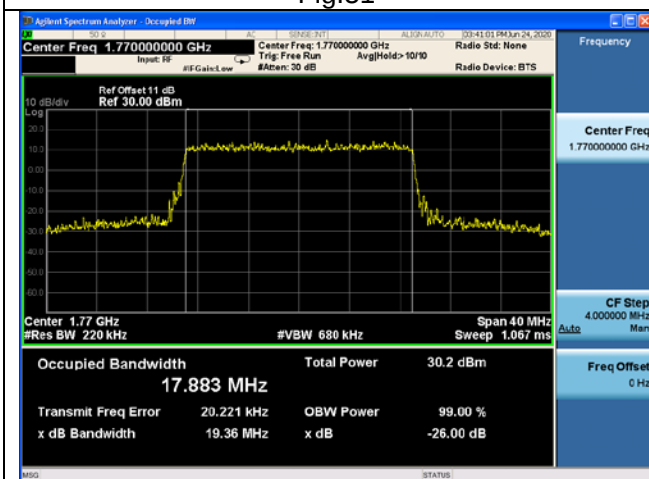


Fig.53

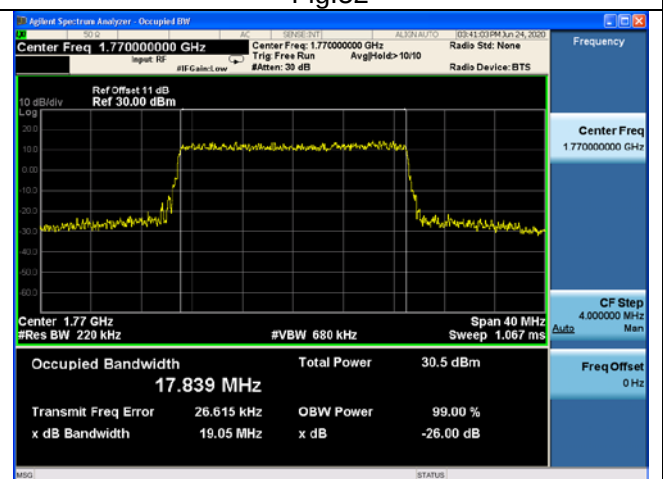


Fig.54

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

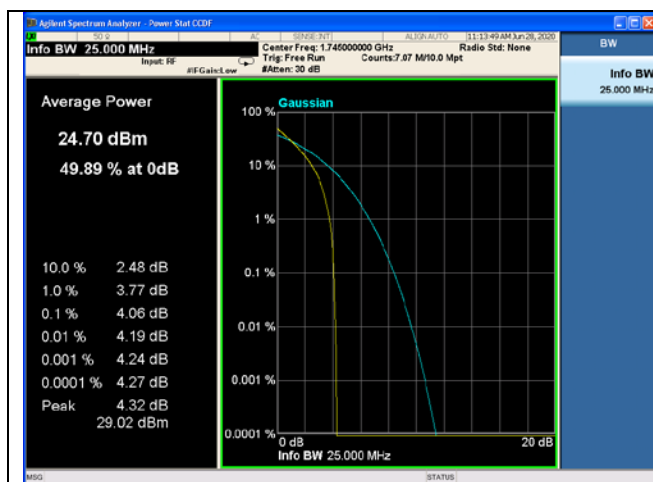


Fig.1

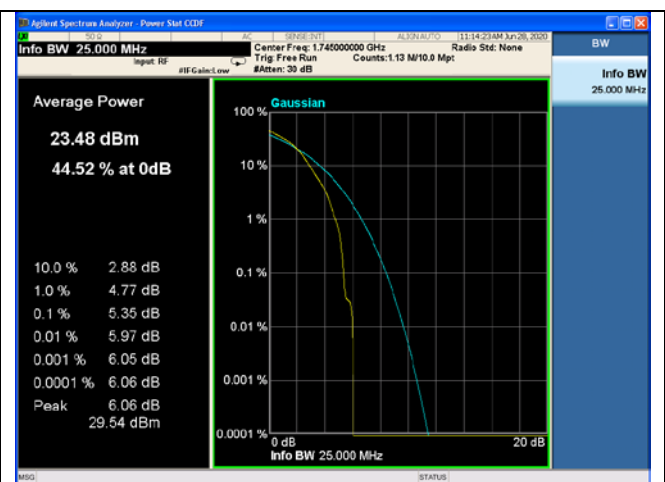


Fig.2

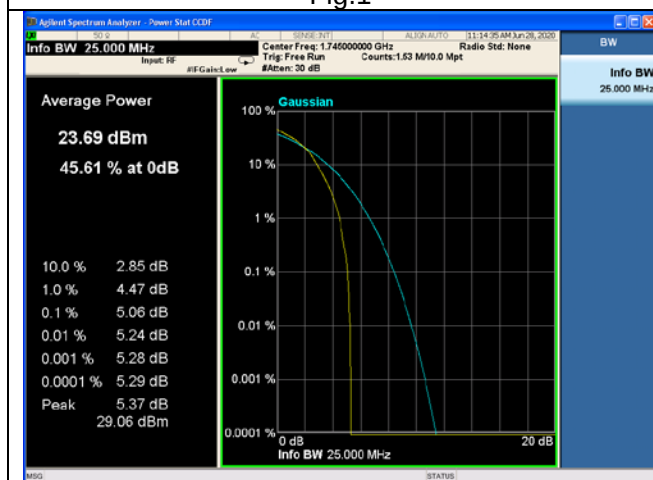


Fig.3

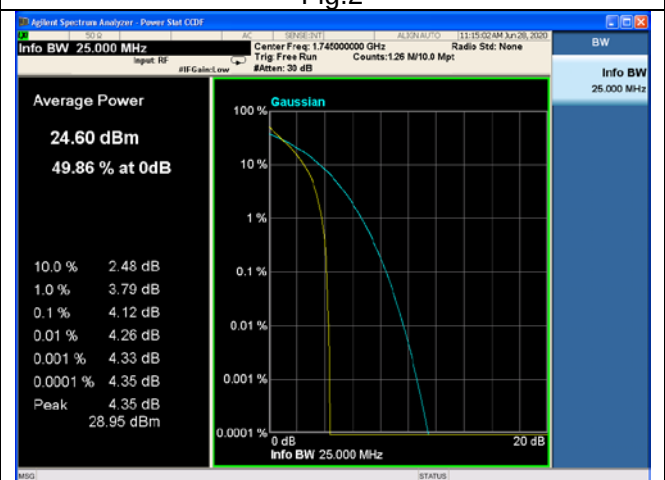


Fig.4

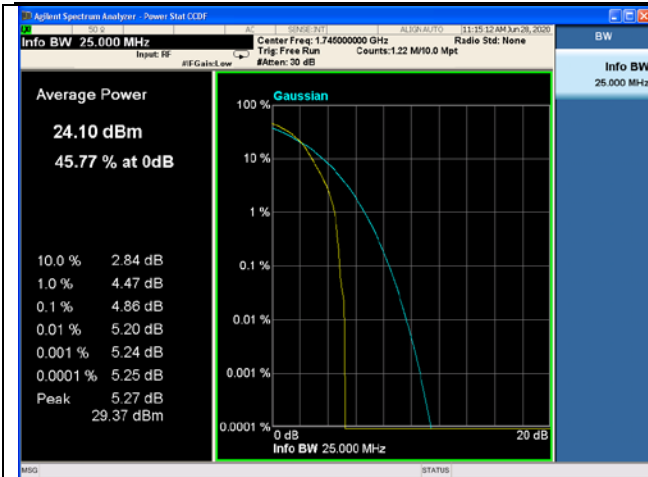


Fig.5

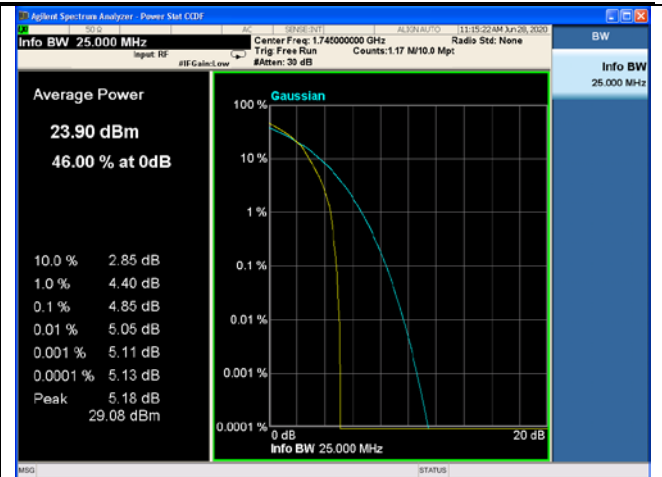


Fig.6

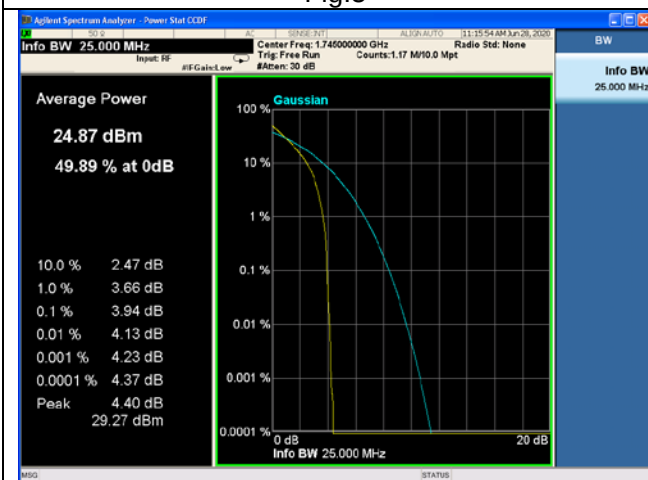


Fig.7

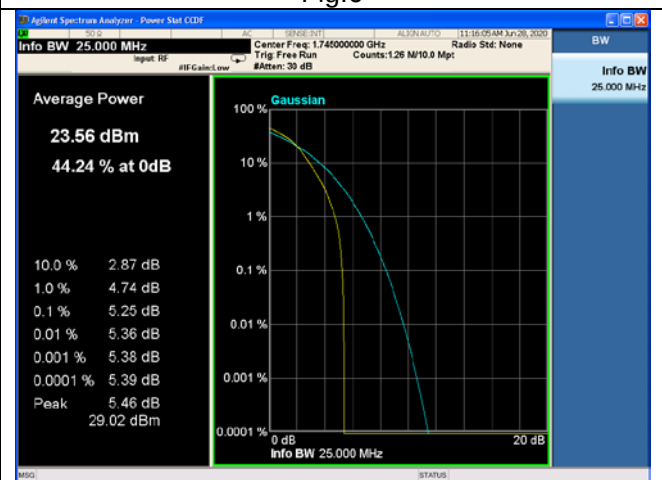


Fig.8

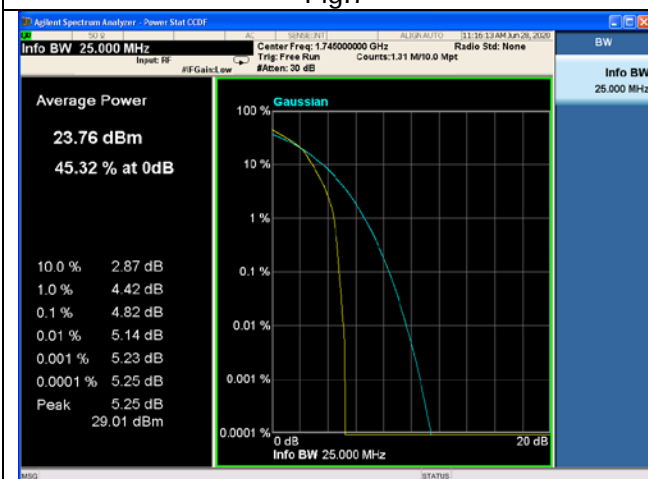


Fig.9

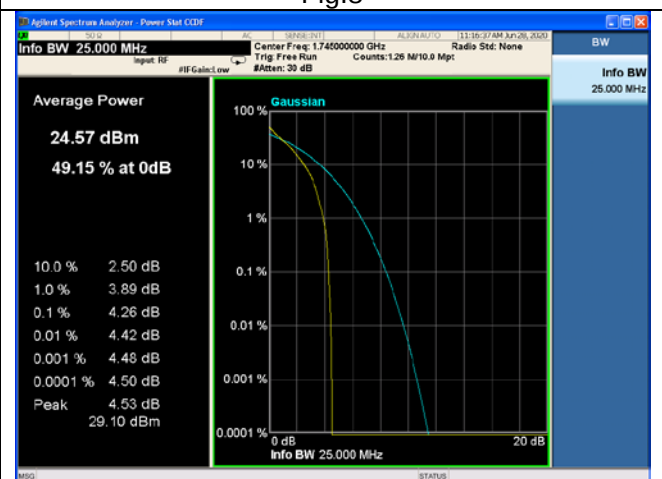


Fig.10

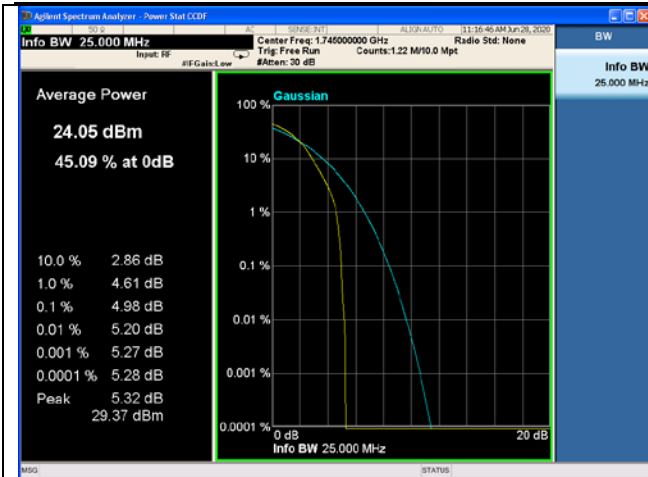


Fig.11

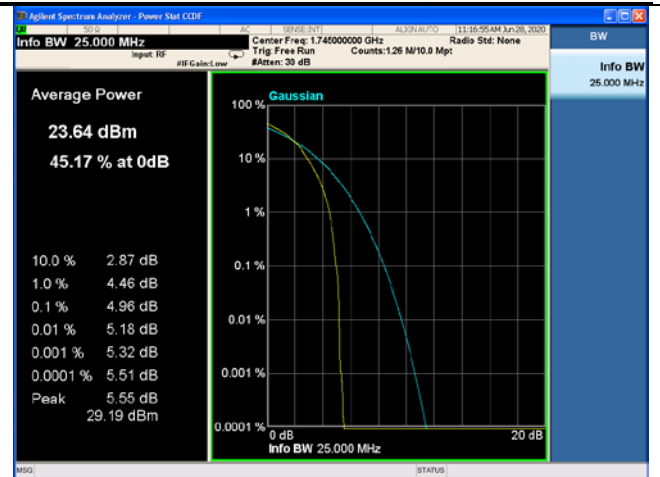


Fig.12

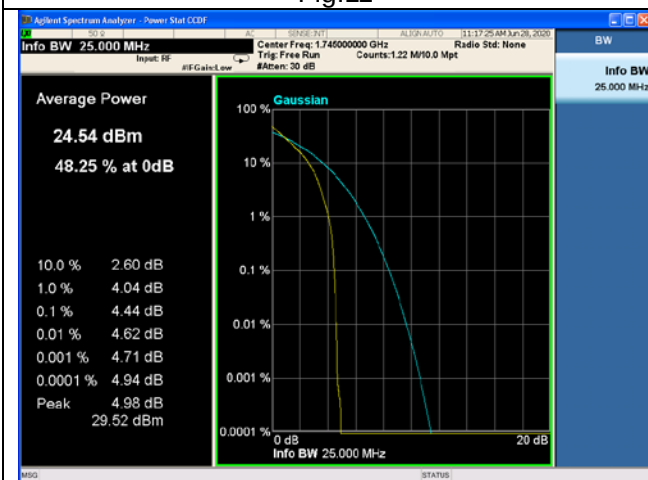


Fig.13

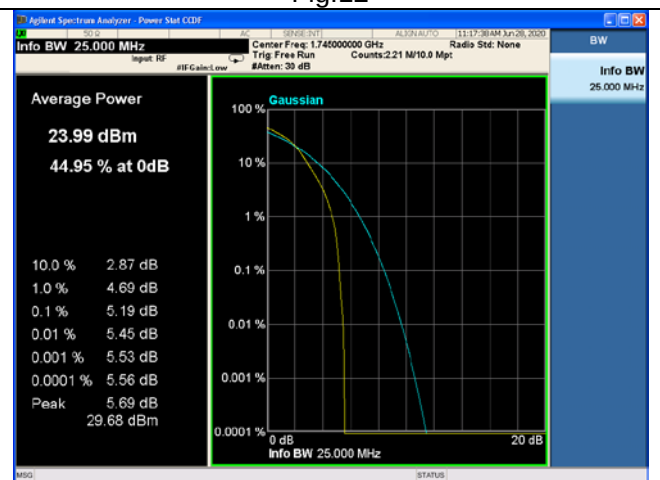


Fig.14

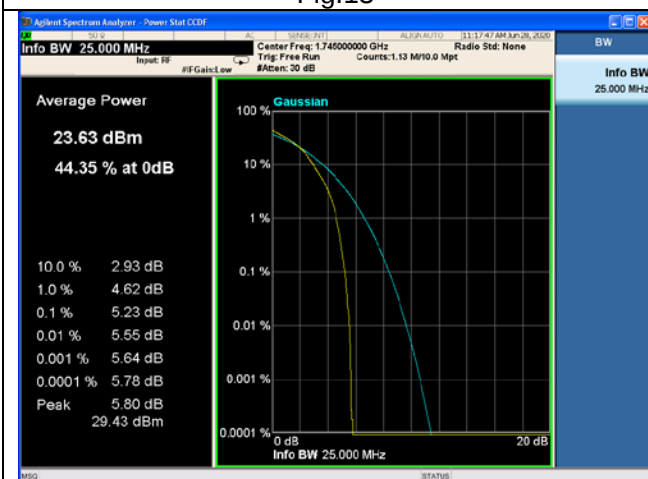


Fig.15

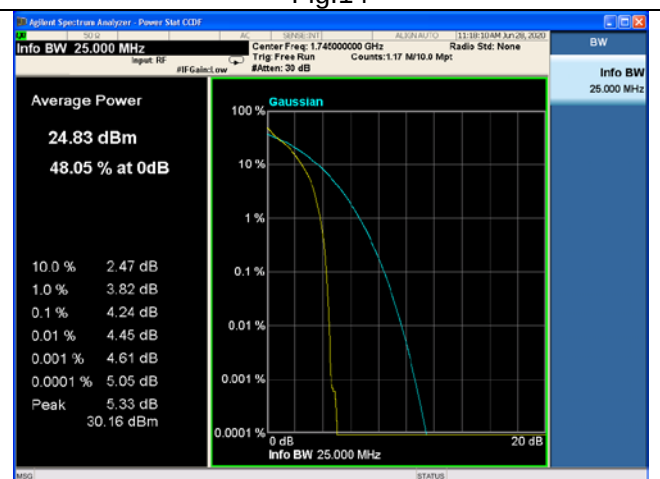


Fig.16

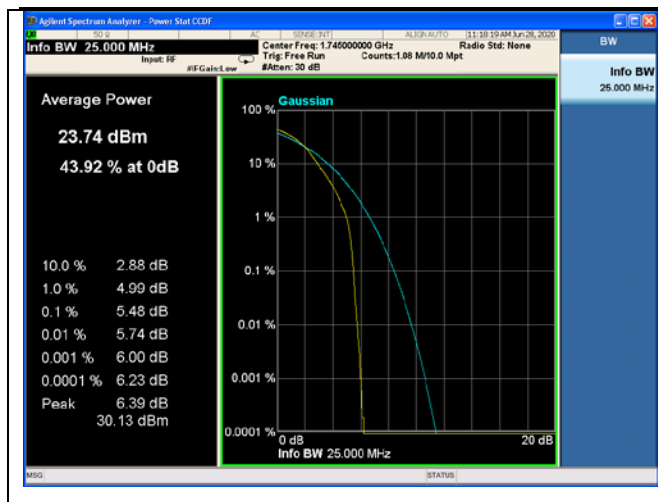


Fig.17



Fig.18

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
66	1720	132072	20	1	0	Fig.1
	1745	132322	20	1	0	Fig.2
	1770	132572	20	1	0	Fig.3

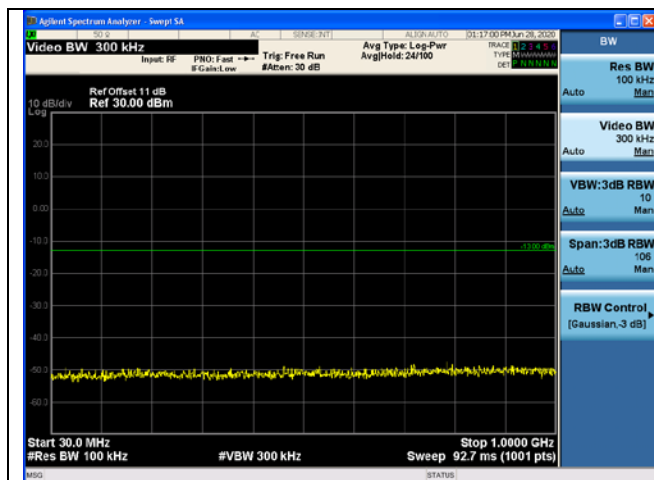


Fig.1

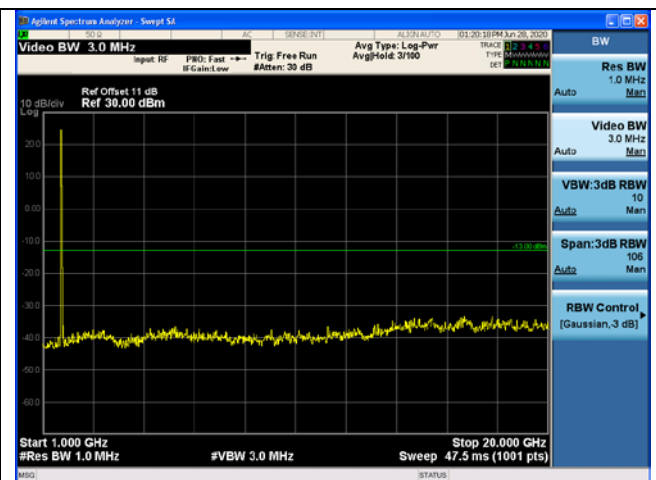


Fig.2

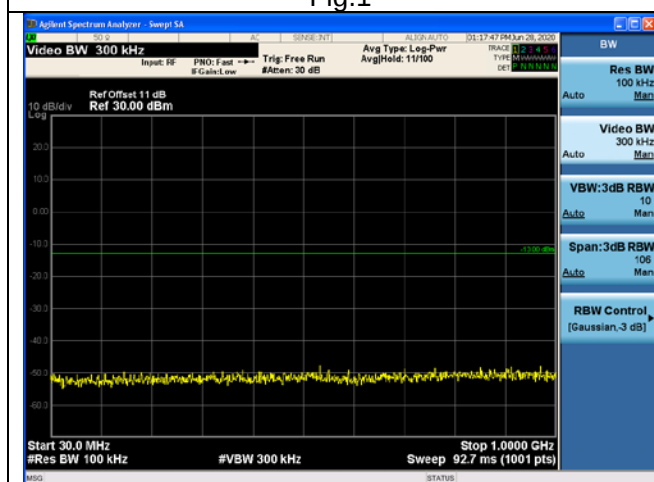


Fig.3

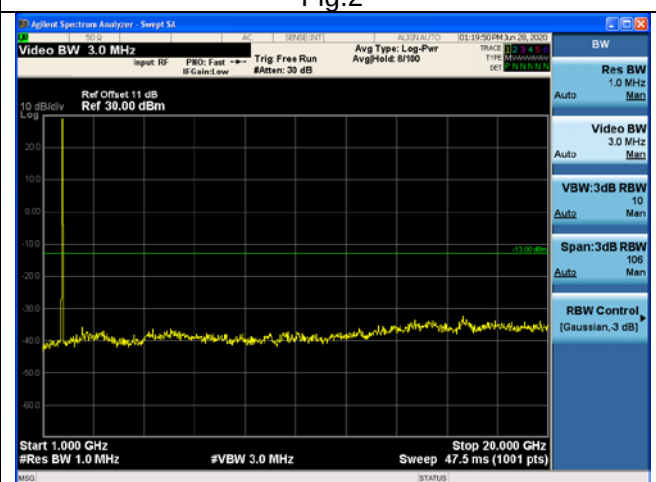


Fig.4

