

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	22.22
				1	5	22.03
				3	2	21.60
				6	0	21.57
	1745	132322		1	0	22.31
				1	5	22.06
				3	2	21.75
				6	0	21.67
	1779.3	132665		1	0	22.28
				1	5	22.17
				3	2	21.66
				6	0	21.63
16QAM	1710.7	131979	1.4	1	0	21.44
				1	5	21.33
				3	2	20.82
				6	0	20.61
	1745	132322		1	0	21.71
				1	5	21.67
				3	2	20.67
				6	0	20.56
	1779.3	132665		1	0	21.14
				1	5	21.03
				3	2	20.82
				6	0	20.71
64QAM	1710.7	131979	1.4	1	0	21.13
				1	5	21.15
				3	2	20.65
				6	0	20.60
	1745	132322		1	0	21.53
				1	5	21.54
				3	2	20.61
				6	0	20.63
	1779.3	132665		1	0	21.38
				1	5	21.31
				3	2	20.70
				6	0	20.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	22.25
				1	14	22.04
				8	4	21.64
				15	0	21.57
	1745	132322		1	0	22.25
				1	14	22.22
				8	4	21.66
				15	0	21.62
	1778.5	132657		1	0	22.19
				1	14	22.29
				8	4	21.72
				15	0	21.58
16QAM	1711.5	131987	3	1	0	21.36
				1	14	21.40
				8	4	20.81
				15	0	20.75
	1745	132322		1	0	21.59
				1	14	21.70
				8	4	20.69
				15	0	20.52
	1778.5	132657		1	0	21.13
				1	14	21.04
				8	4	20.78
				15	0	20.70
64QAM	1711.5	131987	3	1	0	21.26
				1	14	21.09
				8	4	20.59
				15	0	20.75
	1745	132322		1	0	21.58
				1	14	21.45
				8	4	20.54
				15	0	20.53
	1778.5	132657		1	0	21.31
				1	14	21.36
				8	4	20.75
				15	0	20.59

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	22.18
				1	24	22.14
				12	6	21.62
				25	0	21.66
	1745	132322		1	0	22.20
				1	24	22.16
				12	6	21.61
				25	0	21.57
	1777.5	132647		1	0	22.23
				1	24	22.27
				12	6	21.75
				25	0	21.76
16QAM	1712.5	131997	5	1	0	21.46
				1	24	21.22
				12	6	20.76
				25	0	20.72
	1745	132322		1	0	21.63
				1	24	21.70
				12	6	20.62
				25	0	20.65
	1777.5	132647		1	0	21.17
				1	24	20.99
				12	6	20.73
				25	0	20.54
64QAM	1712.5	131997	5	1	0	21.25
				1	24	21.08
				12	6	20.68
				25	0	20.73
	1745	132322		1	0	21.55
				1	24	21.49
				12	6	20.60
				25	0	20.59
	1777.5	132647		1	0	21.31
				1	24	21.25
				12	6	20.72
				25	0	20.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	22.08
				1	49	22.11
				24	12	21.52
	50	0		21.51		
	1745	132322		1	0	22.15
				1	49	22.12
				24	12	21.76
	50	0		21.69		
	1775	132622		1	0	22.28
1			49	22.17		
24			12	21.57		
50	0	21.55				
16QAM	1715	132022	10	1	0	21.38
				1	49	21.33
				24	12	20.70
	50	0		20.63		
	1745	132322		1	0	21.58
				1	49	21.67
				24	12	20.53
	50	0		20.51		
	1775	132622		1	0	21.12
1			49	21.05		
24			12	20.65		
50	0	20.64				
64QAM	1715	132022	10	1	0	21.03
				1	49	20.90
				24	12	20.45
	50	0		20.60		
	1745	132322		1	0	21.63
				1	49	21.41
				24	12	20.53
	50	0		20.42		
	1775	132622		1	0	21.36
1			49	21.23		
24			12	20.61		
50	0	20.51				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	22.28
				1	74	21.94
				40	18	21.70
				75	0	21.57
	1745	132322		1	0	22.13
				1	74	22.03
				40	18	21.72
				75	0	21.74
	1772.5	132597		1	0	22.16
				1	74	22.21
				40	18	21.80
				75	0	21.61
16QAM	1717.5	132047	15	1	0	21.38
				1	74	21.36
				40	18	20.64
				75	0	20.55
	1745	132322		1	0	21.59
				1	74	21.62
				40	18	20.57
				75	0	20.50
	1772.5	132597		1	0	21.12
				1	74	21.12
				40	18	20.71
				75	0	20.56
64QAM	1717.5	132047	15	1	0	21.22
				1	74	20.93
				40	18	20.71
				75	0	20.72
	1745	132322		1	0	21.54
				1	74	21.57
				40	18	20.57
				75	0	20.52
	1772.5	132597		1	0	21.21
				1	74	21.13
				40	18	20.62
				75	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	22.43
				1	99	22.27
				50	25	21.86
				100	0	21.83
	1745	132322		1	0	22.49
				1	99	22.34
				50	25	21.89
				100	0	21.85
	1770	132572		1	0	22.45
				1	99	22.40
				50	25	21.94
				100	0	21.87
16QAM	1720	132072	20	1	0	21.65
				1	99	21.51
				50	25	20.93
				100	0	20.90
	1745	132322		1	0	21.86
				1	99	21.81
				50	25	20.84
				100	0	20.78
	1770	132572		1	0	21.35
				1	99	21.28
				50	25	21.00
				100	0	20.83
64QAM	1720	132072	20	1	0	21.39
				1	99	21.27
				50	25	20.84
				100	0	20.88
	1745	132322		1	0	21.82
				1	99	21.73
				50	25	20.79
				100	0	20.80
	1770	132572		1	0	21.52
				1	99	21.48
				50	25	20.96
				100	0	20.82

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	1.0801	Fig.1	1.0779	Fig.2	1.0742	Fig.3
	1745	132322		6	0	1.0796	Fig.4	1.0789	Fig.5	1.0753	Fig.6
	1779.3	132665		6	0	1.0751	Fig.7	1.0791	Fig.8	1.0748	Fig.9
	1711.5	131987	3	15	0	2.6768	Fig.10	2.6802	Fig.11	2.6876	Fig.12
	1745	132322		15	0	2.6833	Fig.13	2.6843	Fig.14	2.6937	Fig.15
	1778.5	132657		15	0	2.6855	Fig.16	2.6741	Fig.17	2.6828	Fig.18
	1712.5	131997	5	25	0	4.4825	Fig.19	4.4819	Fig.20	4.4676	Fig.21
	1745	132322		25	0	4.4872	Fig.a22	4.4707	Fig.23	4.4868	Fig.24
	1777.5	132647		25	0	4.4798	Fig.25	4.4756	Fig.26	4.4942	Fig.27
	1715	132022	10	50	0	8.9608	Fig.28	8.9348	Fig.29	8.9509	Fig.30
	1745	132322		50	0	8.9592	Fig.31	8.9233	Fig.32	8.9399	Fig.33
	1775	132622		50	0	8.9557	Fig.34	8.9484	Fig.35	8.9470	Fig.36
	1717.5	132047	15	75	0	13.405	Fig.37	13.409	Fig.38	13.428	Fig.39
	1745	132322		75	0	13.397	Fig.40	13.399	Fig.41	13.398	Fig.42
	1772.5	132597		75	0	13.399	Fig.43	13.398	Fig.44	13.403	Fig.45
	1720	132072	20	100	0	17.886	Fig.46	17.854	Fig.47	17.875	Fig.48
1745	132322	100		0	17.863	Fig.49	17.868	Fig.50	17.857	Fig.51	
1770	132572	100		0	17.853	Fig.52	17.856	Fig.53	17.879	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	1.249	Fig.1	1.268	Fig.2	1.256	Fig.3
	1745	132322		6	0	1.240	Fig.4	1.244	Fig.5	1.259	Fig.6
	1779.3	132665		6	0	1.234	Fig.7	1.256	Fig.8	1.235	Fig.9
	1711.5	131987	3	15	0	2.888	Fig.10	2.872	Fig.11	2.909	Fig.12
	1745	132322		15	0	2.914	Fig.13	2.905	Fig.14	2.890	Fig.15
	1778.5	132657		15	0	2.887	Fig.16	2.879	Fig.17	2.889	Fig.18
	1712.5	131997	5	25	0	5.207	Fig.19	5.270	Fig.20	4.951	Fig.21
	1745	132322		25	0	5.062	Fig.22	4.977	Fig.23	5.010	Fig.24
	1777.5	132647		25	0	5.055	Fig.25	4.937	Fig.26	4.942	Fig.27
	1715	132022	10	50	0	10.16	Fig.28	9.748	Fig.29	9.732	Fig.30
	1745	132322		50	0	9.916	Fig.31	9.759	Fig.32	9.646	Fig.33
	1775	132622		50	0	9.862	Fig.34	9.804	Fig.35	9.862	Fig.36
	1717.5	132047	15	75	0	14.40	Fig.37	14.76	Fig.38	14.50	Fig.39
	1745	132322		75	0	14.52	Fig.40	14.55	Fig.41	14.64	Fig.42
	1772.5	132597		75	0	14.65	Fig.43	14.71	Fig.44	14.60	Fig.45
	1720	132072	20	100	0	19.16	Fig.46	19.29	Fig.47	19.28	Fig.48
1745	132322	100		0	19.37	Fig.49	19.15	Fig.50	19.25	Fig.51	
1770	132572	100		0	19.36	Fig.52	19.22	Fig.53	19.40	Fig.54	

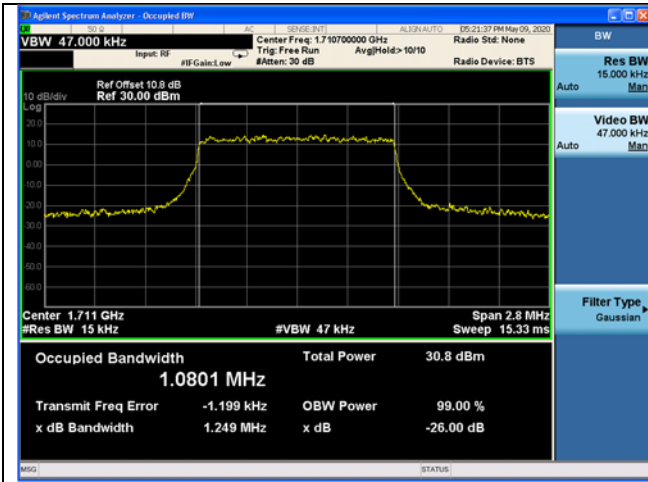


Fig.1

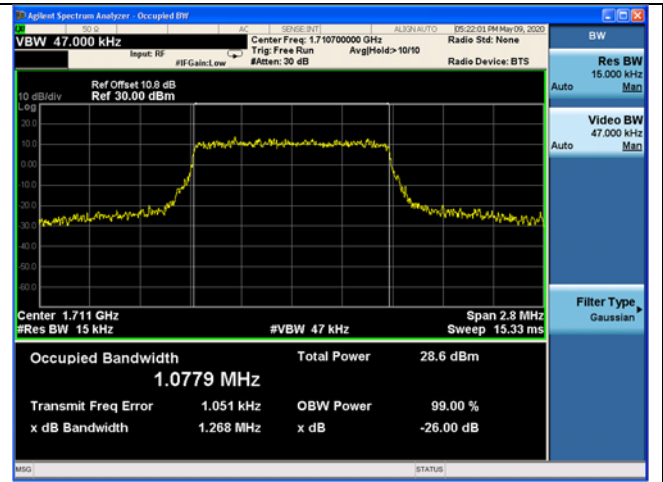


Fig.2

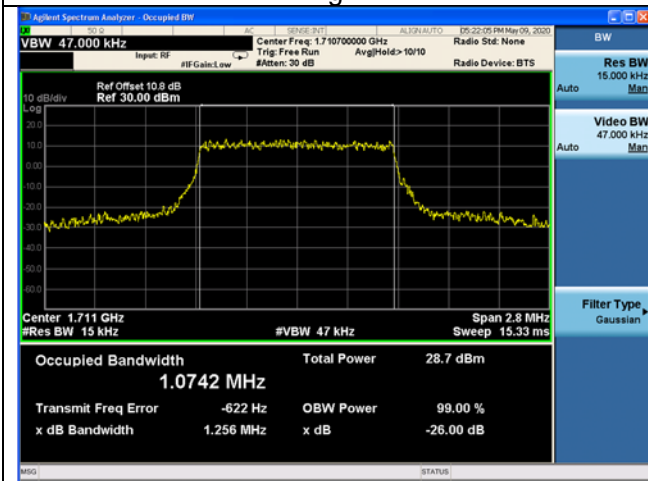


Fig.3



Fig.4

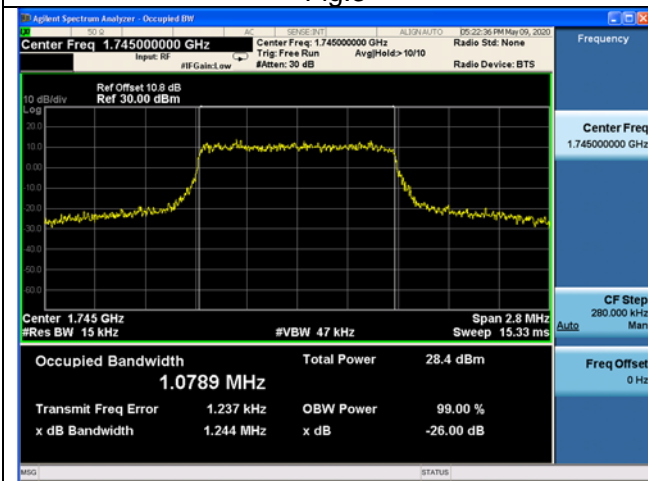


Fig.5

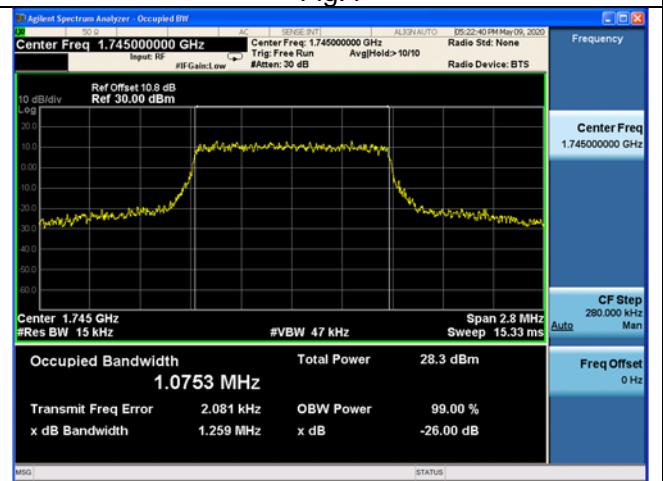


Fig.6

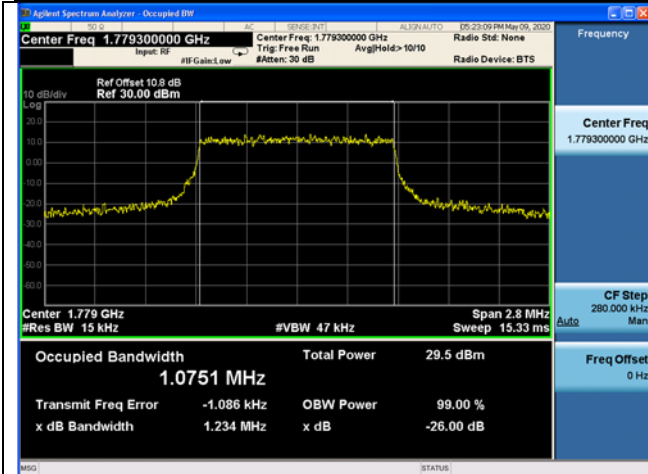


Fig.7

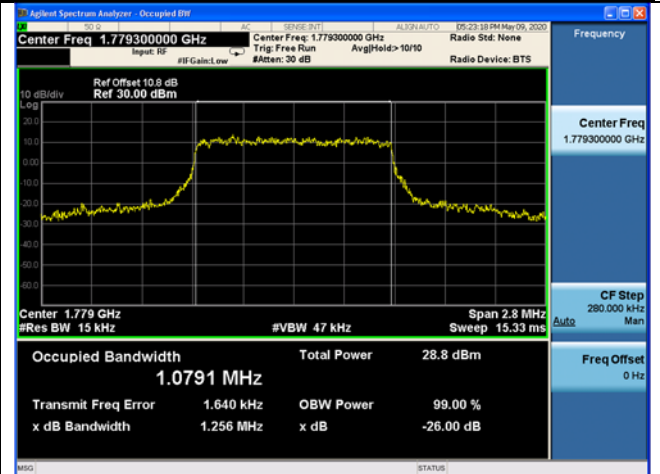


Fig.8

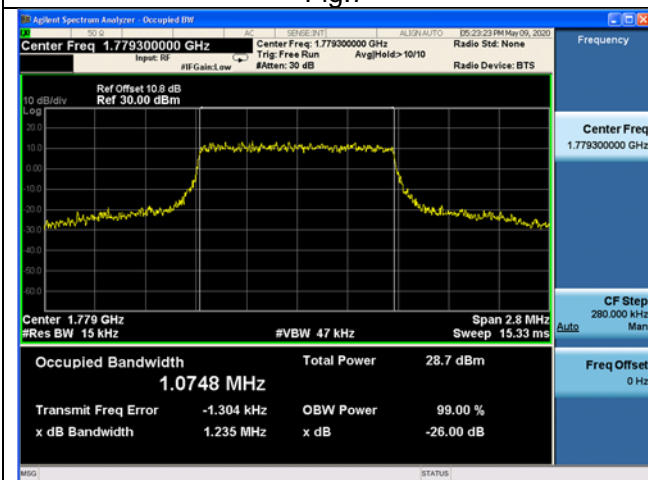


Fig.9

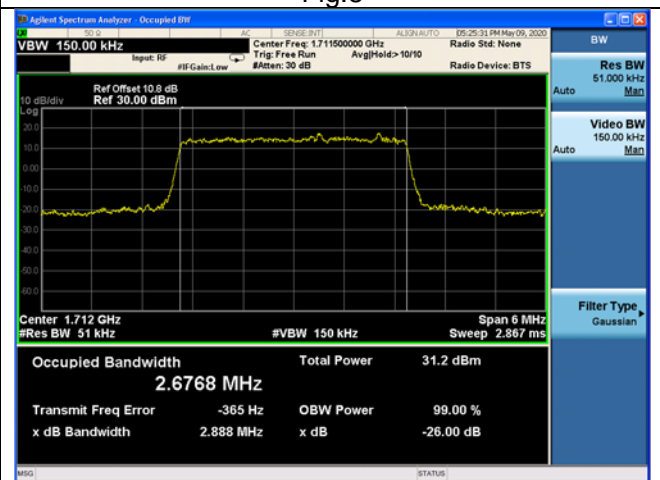


Fig.10

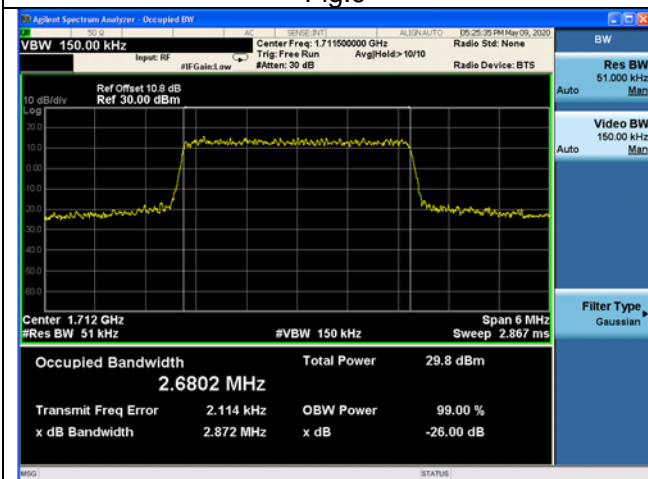


Fig.11

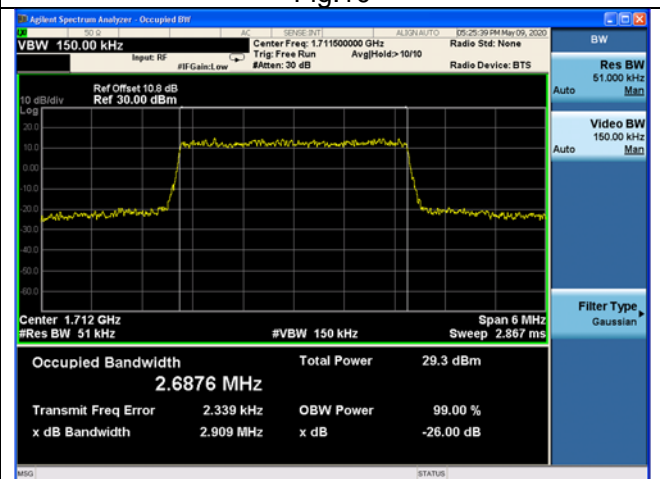


Fig.12

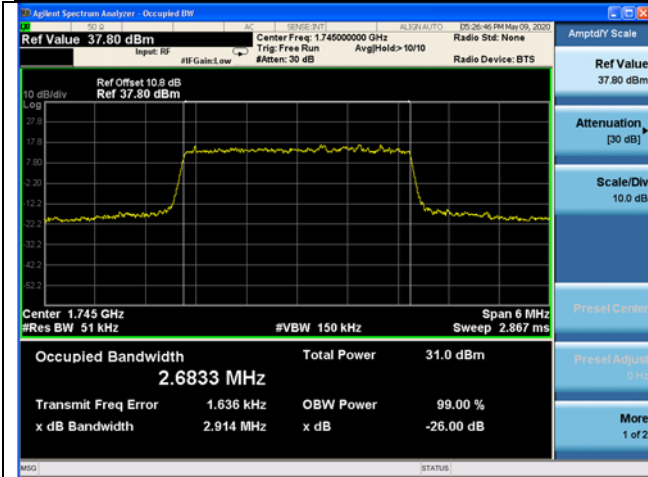


Fig.13

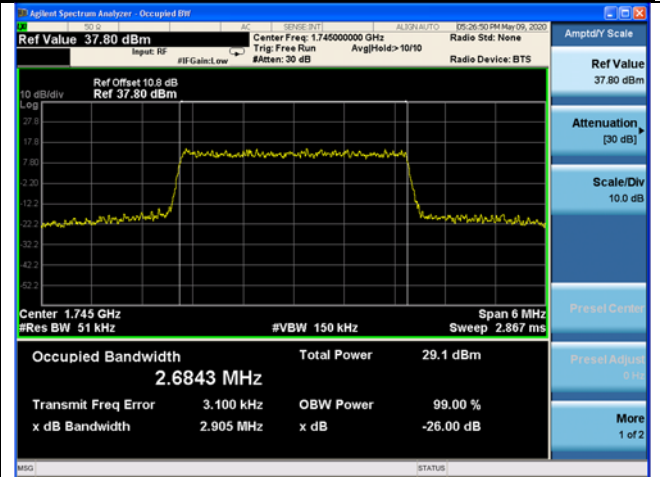


Fig.14

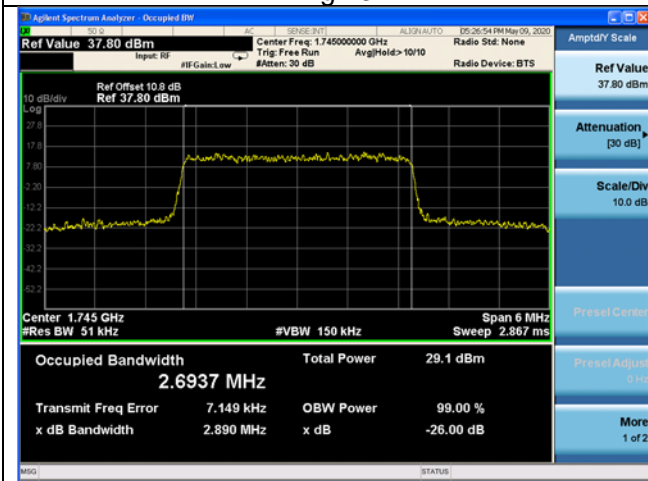


Fig.15

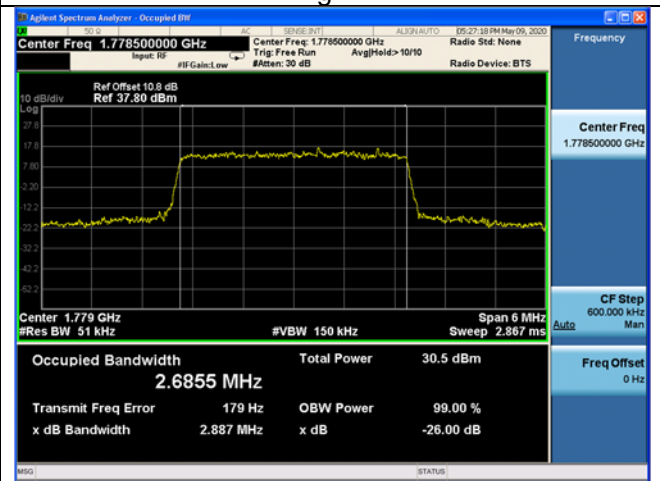


Fig.16

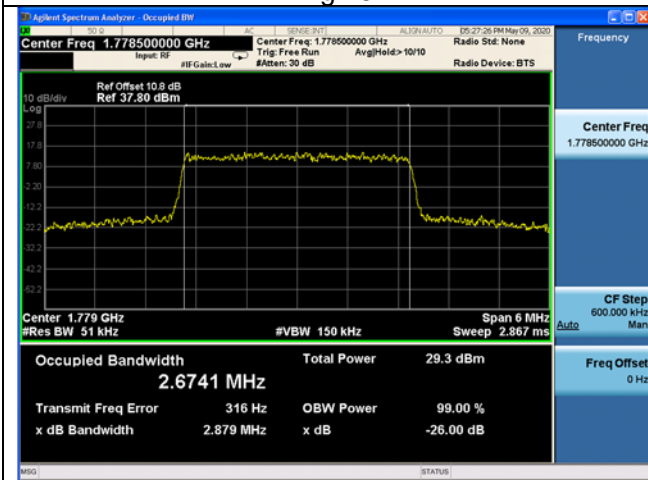


Fig.17

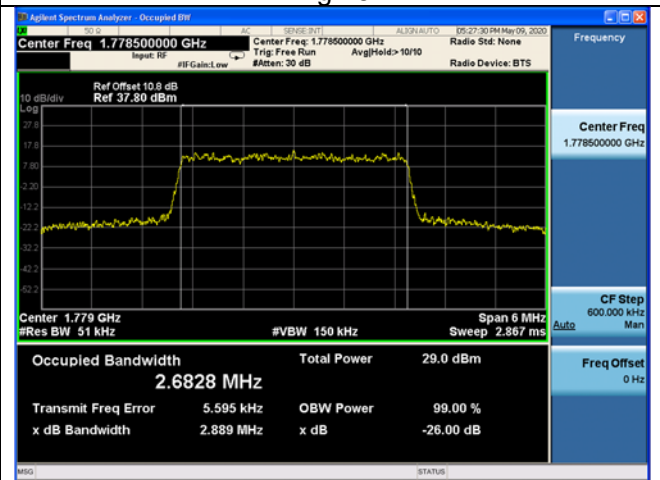


Fig.18

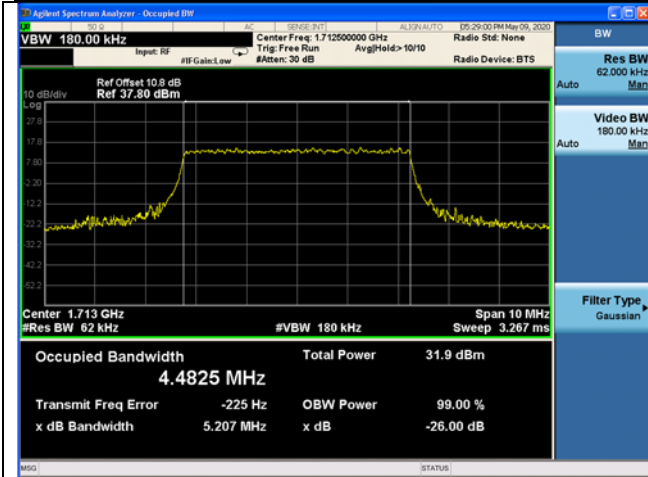


Fig.19

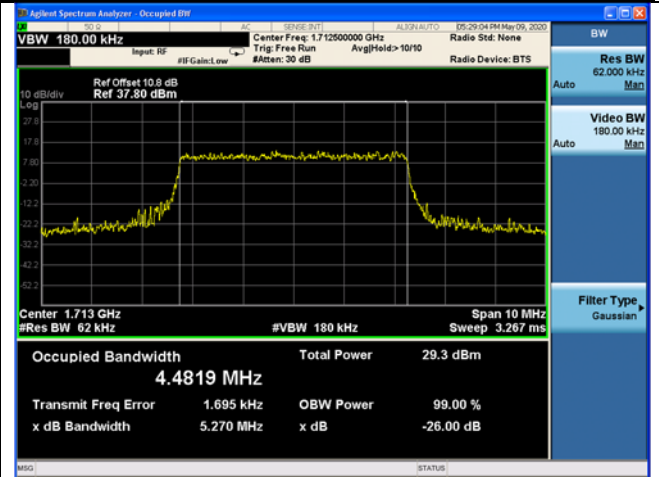


Fig.20

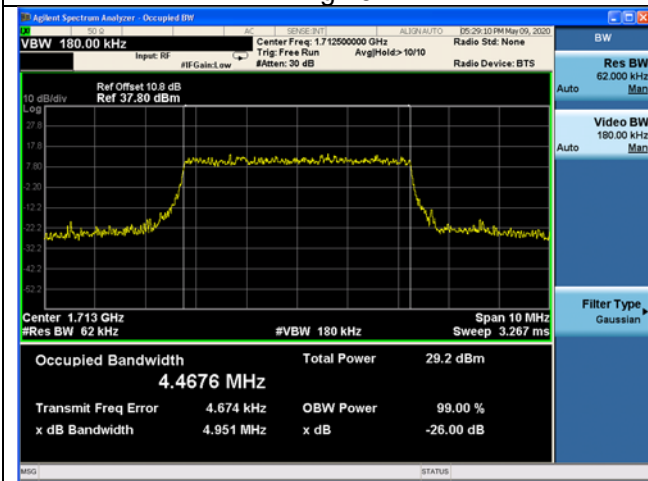


Fig.21

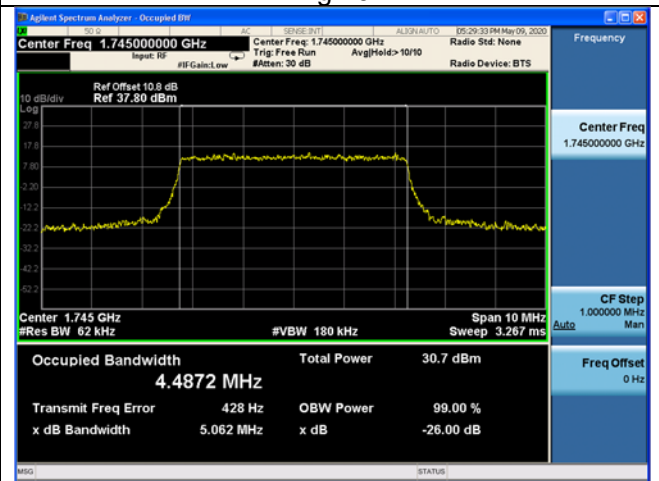


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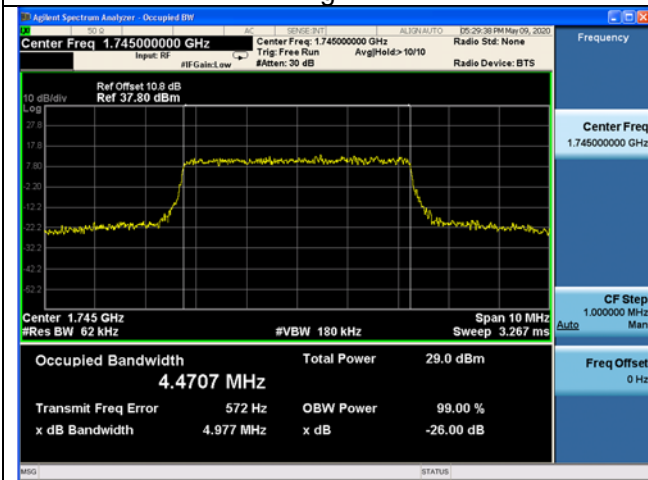


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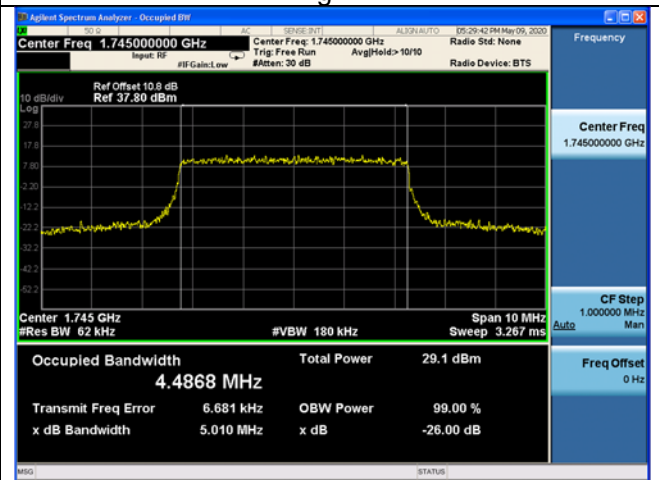


Fig.24

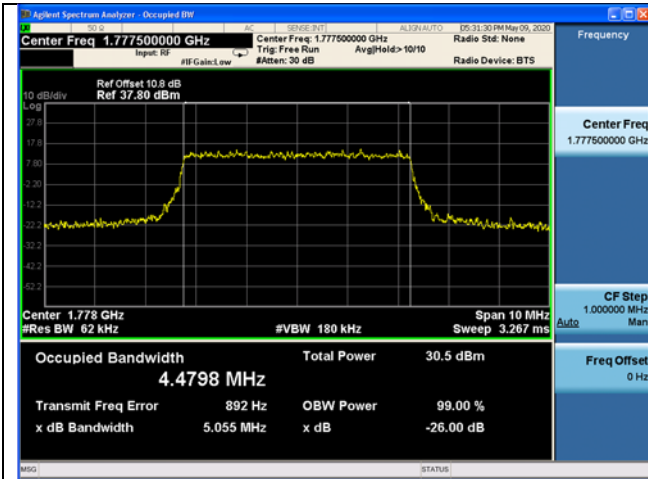


Fig.25

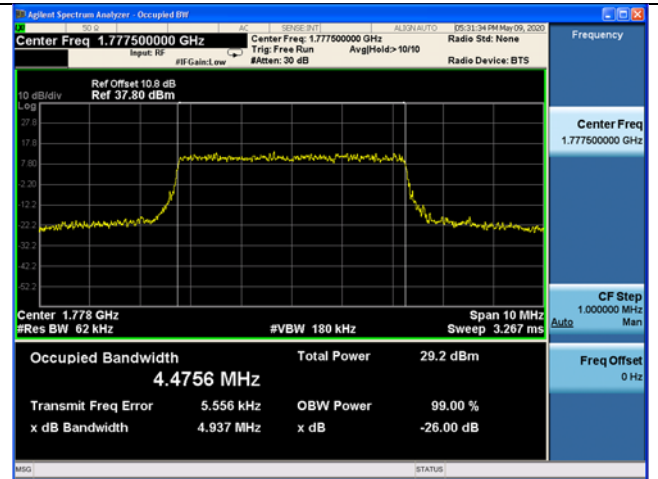


Fig.26

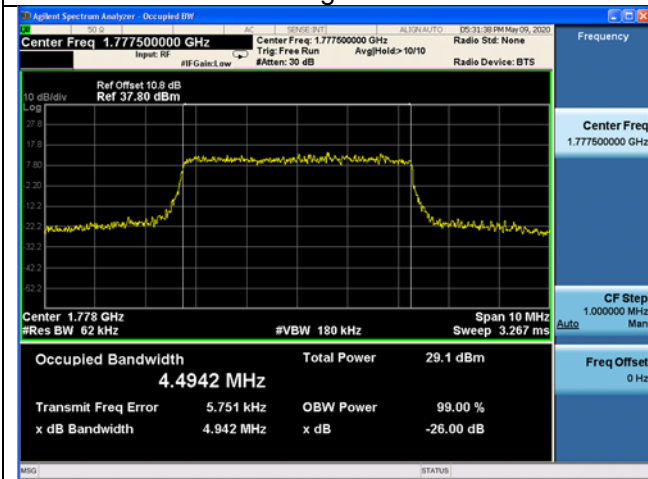


Fig.27

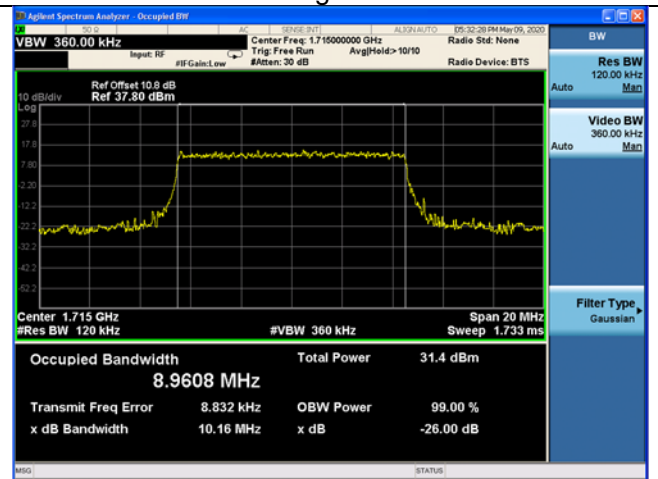


Fig.28

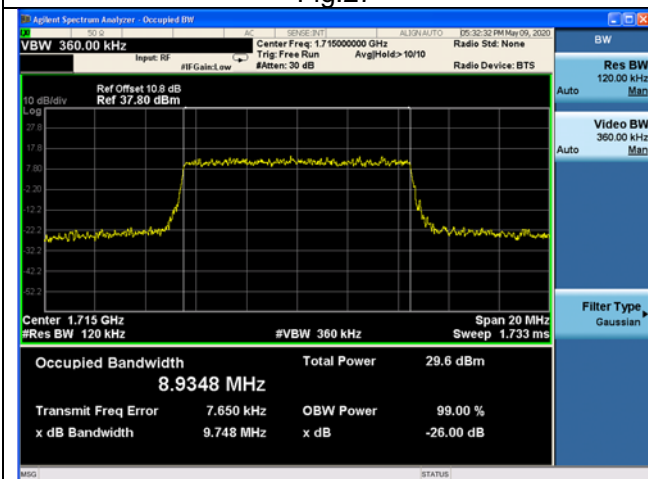


Fig.29

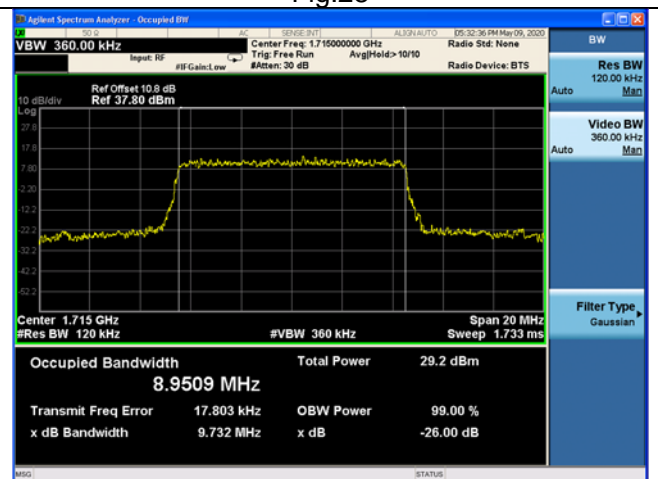


Fig.30

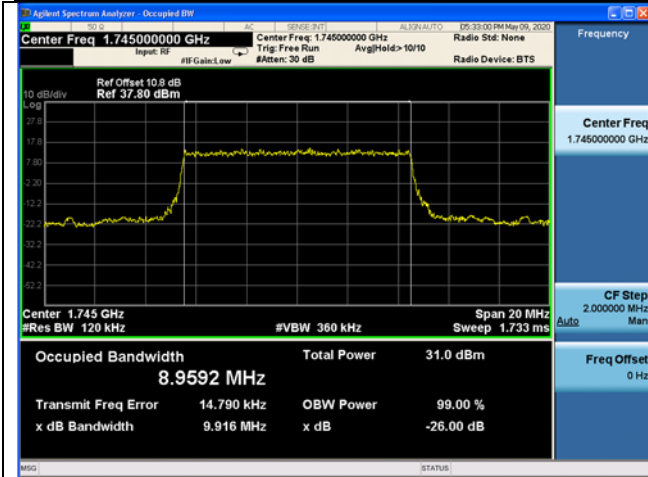


Fig.31

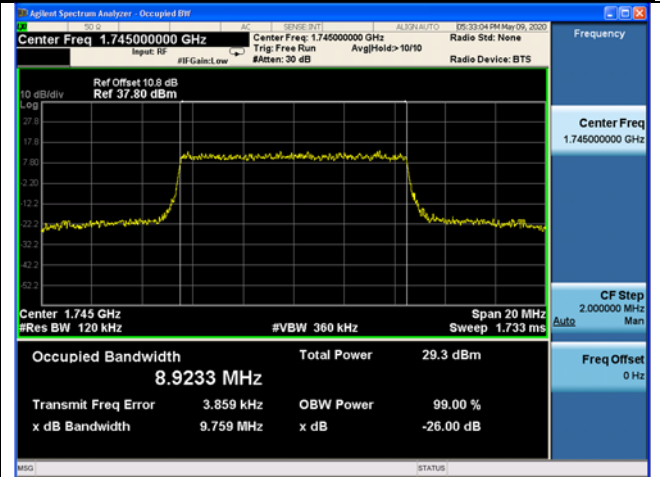


Fig.32

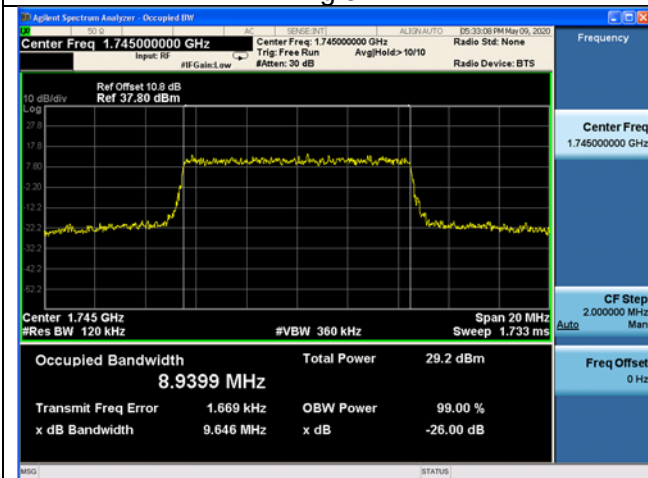


Fig.33

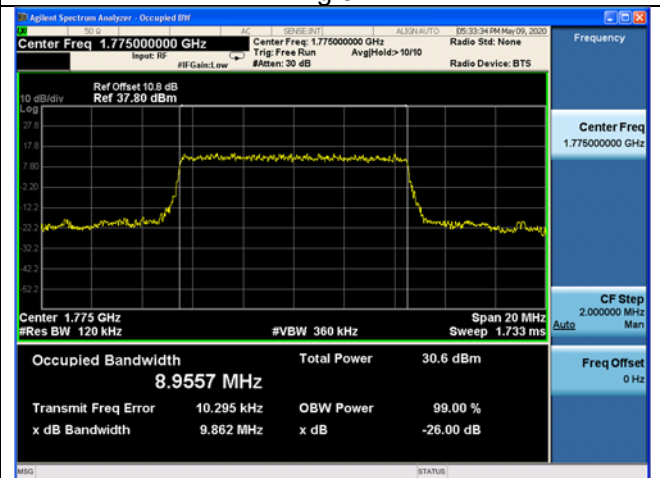


Fig.34

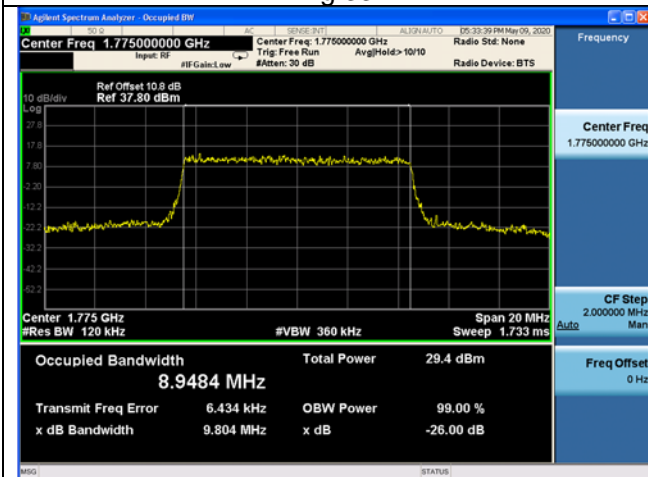


Fig.35

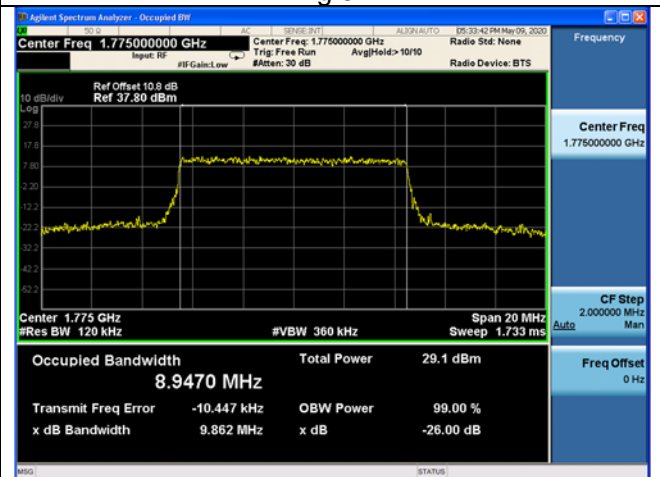


Fig.36