

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	23.07
				1	5	23.02
				3	2	22.01
				6	0	21.92
	1745	132322		1	0	23.20
				1	5	23.06
				3	2	22.11
				6	0	22.03
	1779.3	132665		1	0	23.10
				1	5	23.10
				3	2	22.02
				6	0	21.94
16QAM	1710.7	131979	1.4	1	0	22.02
				1	5	21.93
				3	2	20.91
				6	0	20.87
	1745	132322		1	0	22.07
				1	5	22.05
				3	2	21.02
				6	0	21.07
	1779.3	132665		1	0	21.96
				1	5	21.93
				3	2	20.93
				6	0	20.97
64QAM	1710.7	131979	1.4	1	0	21.99
				1	5	21.98
				3	2	20.92
				6	0	20.82
	1745	132322		1	0	22.13
				1	5	22.02
				3	2	21.06
				6	0	20.96
	1779.3	132665		1	0	22.06
				1	5	22.02
				3	2	20.98
				6	0	20.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.11
				1	14	22.98
				8	4	22.01
				15	0	21.95
	1745	132322		1	0	23.16
				1	14	23.13
				8	4	22.13
				15	0	22.01
	1778.5	132657		1	0	23.14
				1	14	23.11
				8	4	22.04
				15	0	22.03
16QAM	1711.5	131987	3	1	0	22.04
				1	14	21.99
				8	4	20.97
				15	0	20.89
	1745	132322		1	0	22.11
				1	14	22.09
				8	4	21.03
				15	0	20.98
	1778.5	132657		1	0	22.05
				1	14	21.93
				8	4	20.93
				15	0	20.92
64QAM	1711.5	131987	3	1	0	21.91
				1	14	22.02
				8	4	20.91
				15	0	20.82
	1745	132322		1	0	22.08
				1	14	21.99
				8	4	21.00
				15	0	20.98
	1778.5	132657		1	0	22.00
				1	14	22.02
				8	4	20.92
				15	0	20.85

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.07
				1	24	23.11
				12	6	22.09
				25	0	22.08
	1745	132322		1	0	23.22
				1	24	23.18
				12	6	22.21
				25	0	22.06
	1777.5	132647		1	0	23.12
				1	24	23.18
				12	6	22.12
				25	0	22.01
16QAM	1712.5	131997	5	1	0	22.01
				1	24	22.01
				12	6	21.07
				25	0	20.88
	1745	132322		1	0	22.20
				1	24	22.17
				12	6	21.06
				25	0	21.11
	1777.5	132647		1	0	22.07
				1	24	22.09
				12	6	21.08
				25	0	21.01
64QAM	1712.5	131997	5	1	0	22.01
				1	24	22.06
				12	6	21.04
				25	0	20.95
	1745	132322		1	0	22.11
				1	24	22.14
				12	6	21.04
				25	0	21.02
	1777.5	132647		1	0	22.15
				1	24	22.07
				12	6	21.00
				25	0	21.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.17
				1	49	23.14
				24	12	22.18
				50	0	22.11
	1745	132322		1	0	23.33
				1	49	23.24
				24	12	22.25
				50	0	22.15
	1775	132622		1	0	23.23
				1	49	23.23
				24	12	22.18
				50	0	22.05
16QAM	1715	132022	10	1	0	22.14
				1	49	22.02
				24	12	21.04
				50	0	21.07
	1745	132322		1	0	22.27
				1	49	22.17
				24	12	21.13
				50	0	21.19
	1775	132622		1	0	22.10
				1	49	22.08
				24	12	21.12
				50	0	21.12
64QAM	1715	132022	10	1	0	22.11
				1	49	22.15
				24	12	21.02
				50	0	20.97
	1745	132322		1	0	22.18
				1	49	22.16
				24	12	21.14
				50	0	21.09
	1775	132622		1	0	22.20
				1	49	22.16
				24	12	21.09
				50	0	21.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.19
				1	74	23.18
				40	18	22.20
				75	0	22.14
	1745	132322		1	0	23.31
				1	74	23.21
				40	18	22.27
				75	0	22.18
	1772.5	132597		1	0	23.23
				1	74	23.23
				40	18	22.21
				75	0	22.13
16QAM	1717.5	132047	15	1	0	22.10
				1	74	22.09
				40	18	21.11
				75	0	21.10
	1745	132322		1	0	22.26
				1	74	22.18
				40	18	21.20
				75	0	21.16
	1772.5	132597		1	0	22.14
				1	74	22.19
				40	18	21.13
				75	0	21.06
64QAM	1717.5	132047	15	1	0	22.15
				1	74	22.18
				40	18	21.11
				75	0	21.01
	1745	132322		1	0	22.28
				1	74	22.21
				40	18	21.19
				75	0	21.15
	1772.5	132597		1	0	22.22
				1	74	22.17
				40	18	21.18
				75	0	21.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.32
				1	99	23.27
				50	25	22.28
				100	0	22.22
	1745	132322		1	0	23.42
				1	99	23.36
				50	25	22.38
				100	0	22.31
	1770	132572		1	0	23.37
				1	99	23.34
				50	25	22.29
				100	0	22.23
16QAM	1720	132072	1	0	22.24	
			1	99	22.20	
			50	25	21.22	
			100	0	21.15	
	1745	132322	1	0	22.38	
			1	99	22.33	
			50	25	21.29	
			100	0	21.29	
	1770	132572	1	0	22.27	
			1	99	22.24	
			50	25	21.23	
			100	0	21.20	
64QAM	1720	132072	1	0	22.22	
			1	99	22.23	
			50	25	21.19	
			100	0	21.13	
	1745	132322	1	0	22.35	
			1	99	22.30	
			50	25	21.28	
			100	0	21.25	
	1770	132572	1	0	22.30	
			1	99	22.25	
			50	25	21.23	
			100	0	21.15	

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	1.0830	Fig.1	1.0831	Fig.2	1.0808	Fig.3
	1745	132322		6	0	1.0824	Fig.4	1.0833	Fig.5	1.0830	Fig.6
	1779.3	132665		6	0	1.0825	Fig.7	1.0848	Fig.8	1.0827	Fig.9
	1711.5	131987	3	15	0	2.6765	Fig.10	2.6848	Fig.11	2.6821	Fig.12
	1745	132322		15	0	2.6816	Fig.13	2.6752	Fig.14	2.6840	Fig.15
	1778.5	132657		15	0	2.6803	Fig.16	2.6786	Fig.17	2.6784	Fig.18
	1712.5	131997	5	25	0	4.4762	Fig.19	4.4795	Fig.20	4.4739	Fig.21
	1745	132322		25	0	4.4750	Fig.22	4.4707	Fig.23	4.4729	Fig.24
	1777.5	132647		25	0	4.4746	Fig.25	4.4690	Fig.26	4.4722	Fig.27
	1715	132022	10	50	0	8.9389	Fig.28	8.9313	Fig.29	8.9457	Fig.30
	1745	132322		50	0	8.9214	Fig.31	8.9293	Fig.32	8.9395	Fig.33
	1775	132622		50	0	8.9213	Fig.34	8.9230	Fig.35	8.9480	Fig.36
	1717.5	132047	15	75	0	13.423	Fig.37	13.394	Fig.38	13.399	Fig.39
	1745	132322		75	0	13.406	Fig.40	13.389	Fig.41	13.379	Fig.42
	1772.5	132597		75	0	13.360	Fig.43	13.342	Fig.44	13.445	Fig.45
	1720	132072	20	100	0	17.849	Fig.46	17.819	Fig.47	17.845	Fig.48
1745	132322	100		0	17.829	Fig.49	17.866	Fig.50	17.825	Fig.51	
1770	132572	100		0	17.828	Fig.52	17.795	Fig.53	17.836	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	1.248	Fig.1	1.238	Fig.2	1.241	Fig.3
	1745	132322		6	0	1.246	Fig.4	1.244	Fig.5	1.241	Fig.6
	1779.3	132665		6	0	1.244	Fig.7	1.217	Fig.8	1.242	Fig.9
	1711.5	131987	3	15	0	2.914	Fig.10	2.932	Fig.11	2.917	Fig.12
	1745	132322		15	0	2.918	Fig.13	2.915	Fig.14	2.941	Fig.15
	1778.5	132657		15	0	2.933	Fig.16	2.924	Fig.17	2.915	Fig.18
	1712.5	131997	5	25	0	4.946	Fig.19	4.944	Fig.20	4.902	Fig.21
	1745	132322		25	0	4.945	Fig.22	4.854	Fig.23	4.920	Fig.24
	1777.5	132647		25	0	4.950	Fig.25	4.953	Fig.26	4.903	Fig.27
	1715	132022	10	50	0	9.697	Fig.28	9.702	Fig.29	9.542	Fig.30
	1745	132322		50	0	9.667	Fig.31	9.572	Fig.32	9.641	Fig.33
	1775	132622		50	0	9.675	Fig.34	9.540	Fig.35	9.598	Fig.36
	1717.5	132047	15	75	0	14.37	Fig.37	14.26	Fig.38	14.29	Fig.39
	1745	132322		75	0	14.38	Fig.40	14.26	Fig.41	14.35	Fig.42
	1772.5	132597		75	0	14.31	Fig.43	14.41	Fig.44	14.18	Fig.45
	1720	132072	20	100	0	19.11	Fig.46	18.97	Fig.47	18.99	Fig.48
1745	132322	100		0	19.10	Fig.49	19.02	Fig.50	18.89	Fig.51	
1770	132572	100		0	19.00	Fig.52	18.77	Fig.53	19.03	Fig.54	

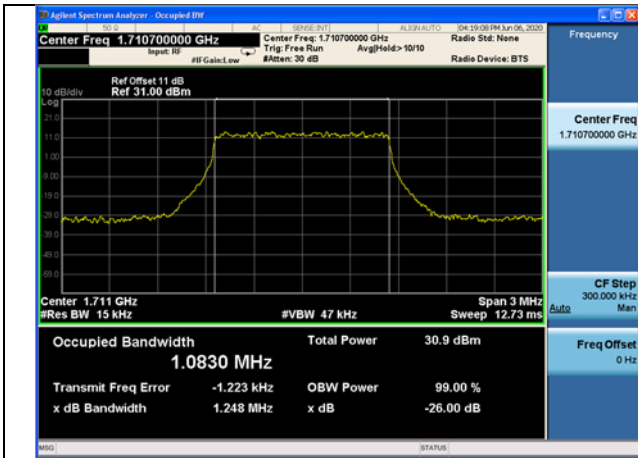


Fig.1

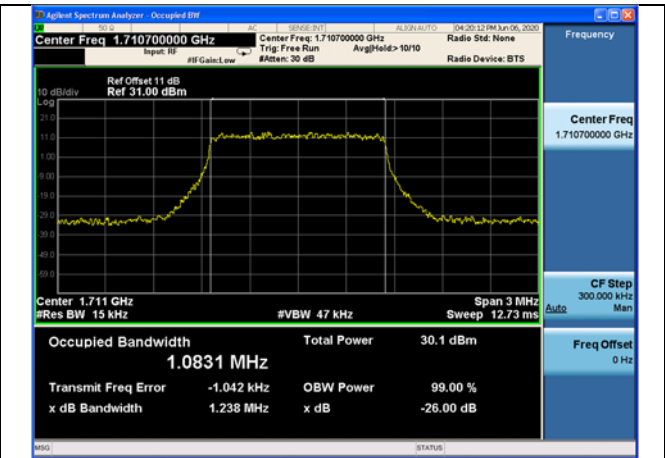


Fig.2

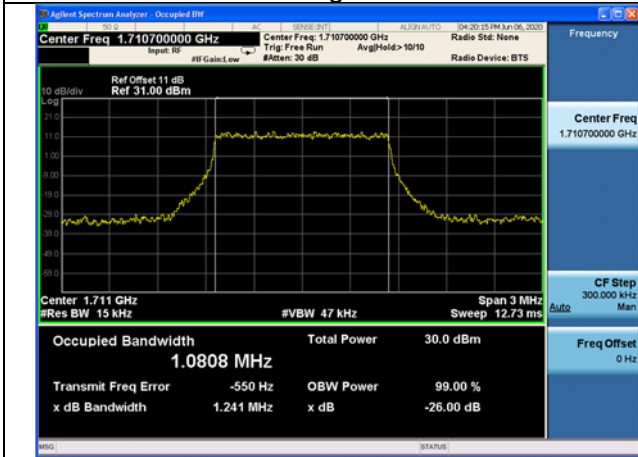


Fig.3

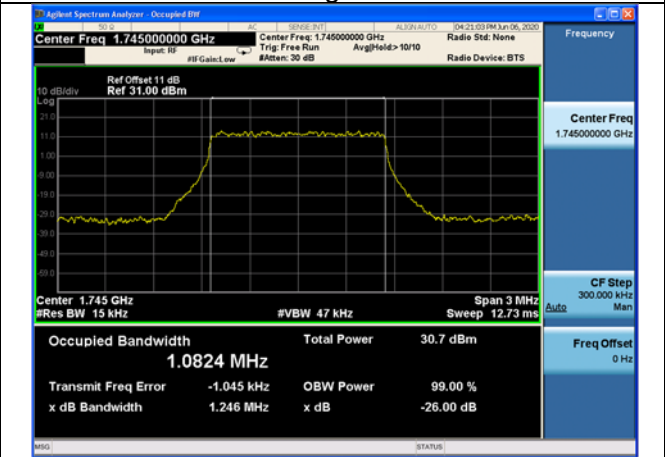


Fig.4

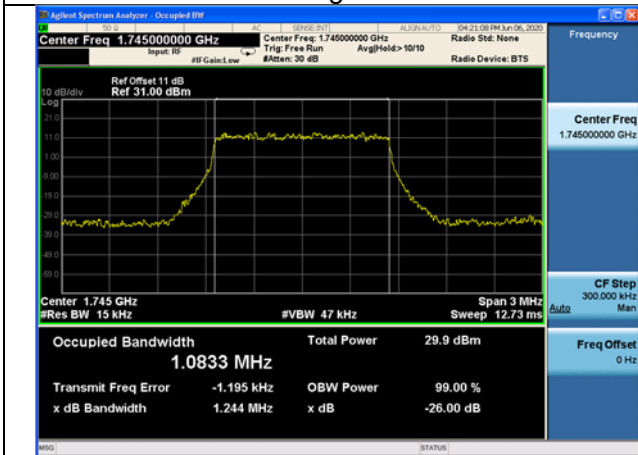


Fig.5

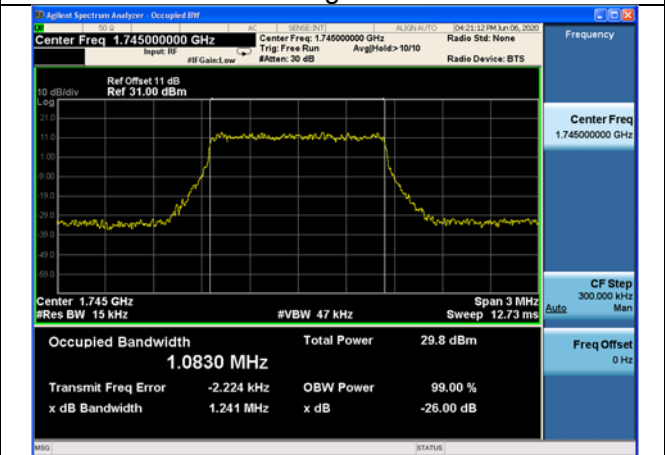


Fig.6

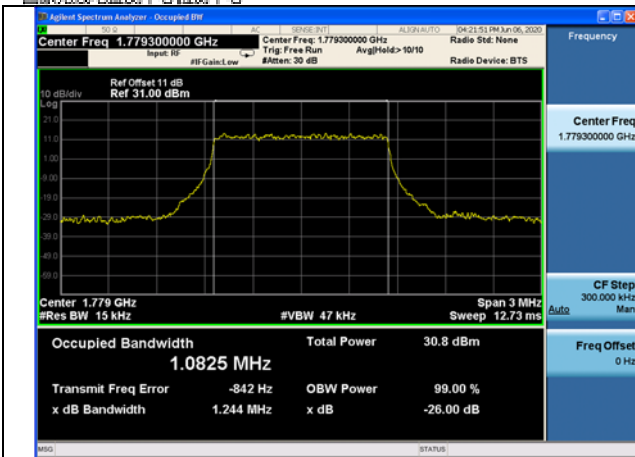


Fig.7

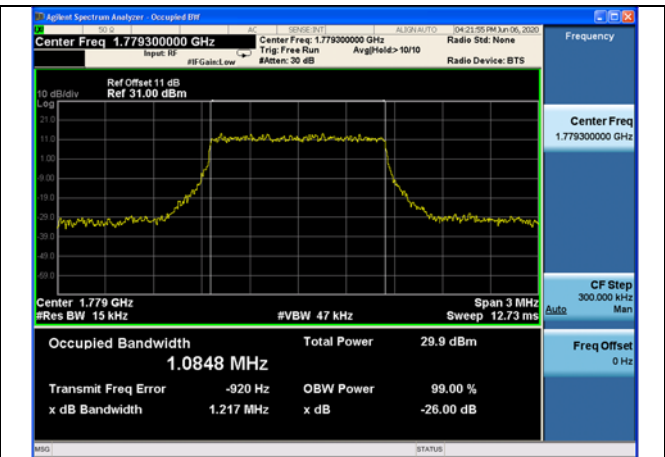


Fig.8

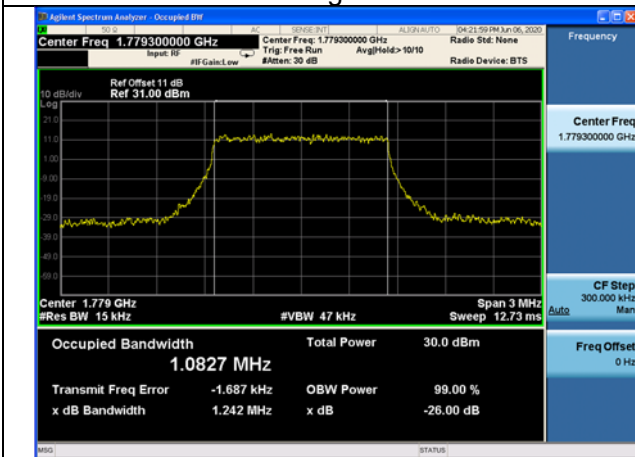


Fig.9

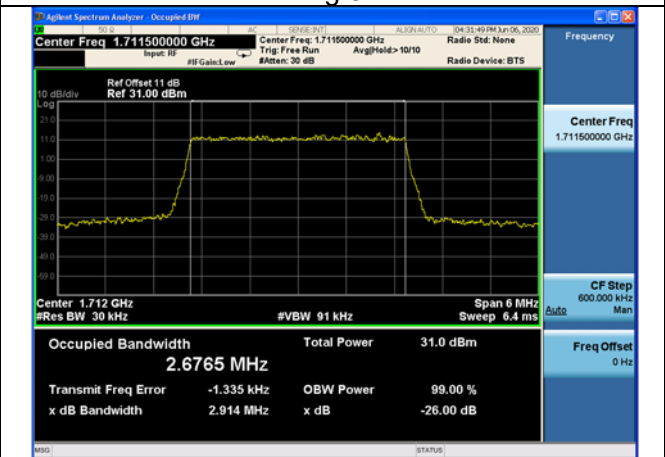


Fig.10

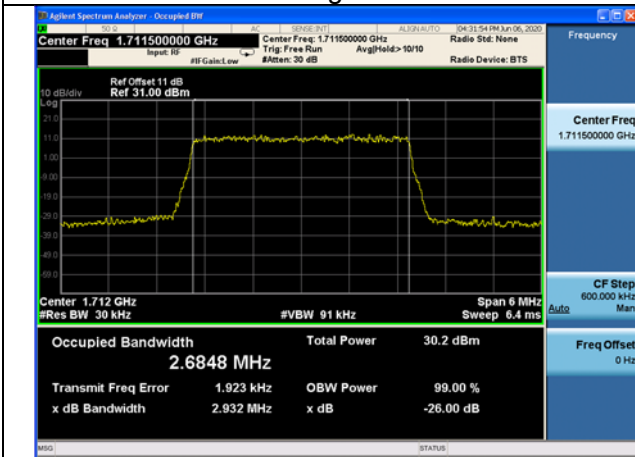


Fig.11

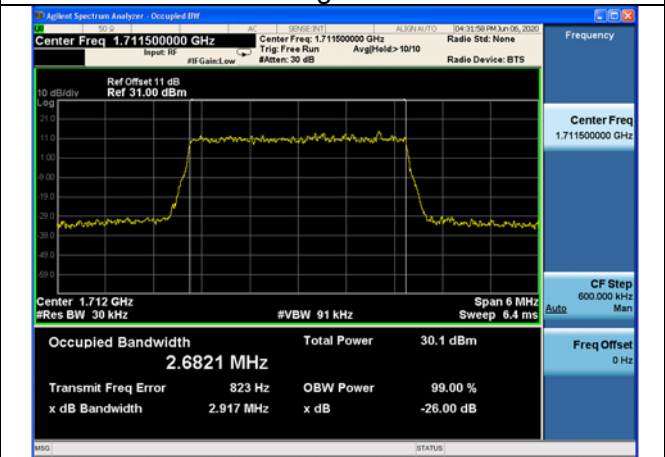


Fig.12

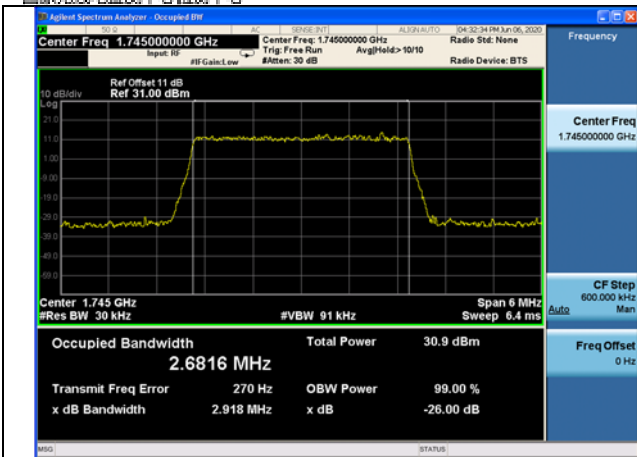


Fig.13

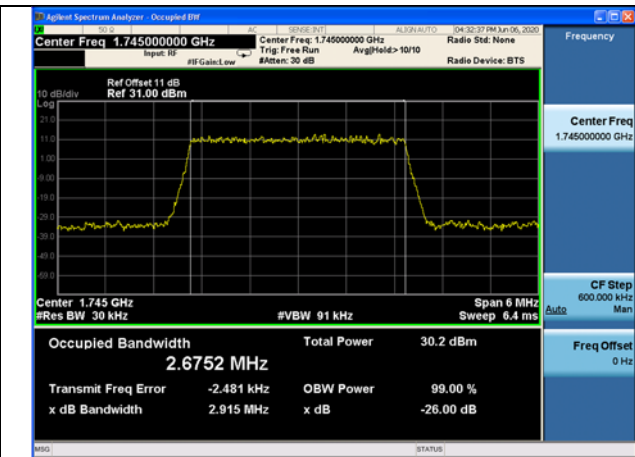


Fig.14

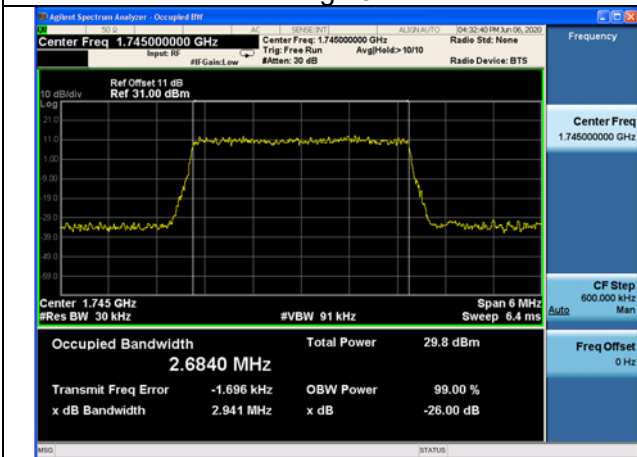


Fig.15

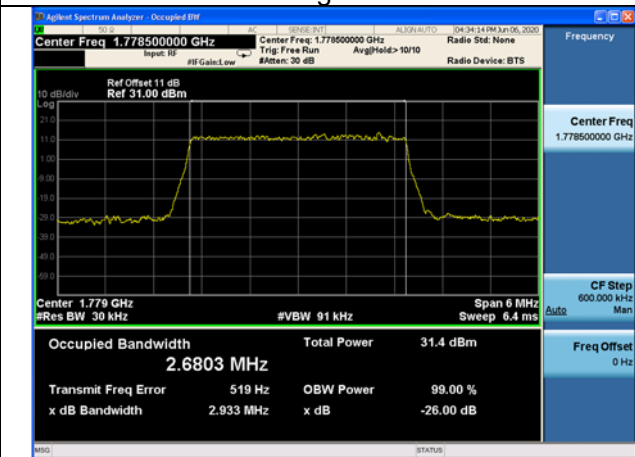


Fig.16

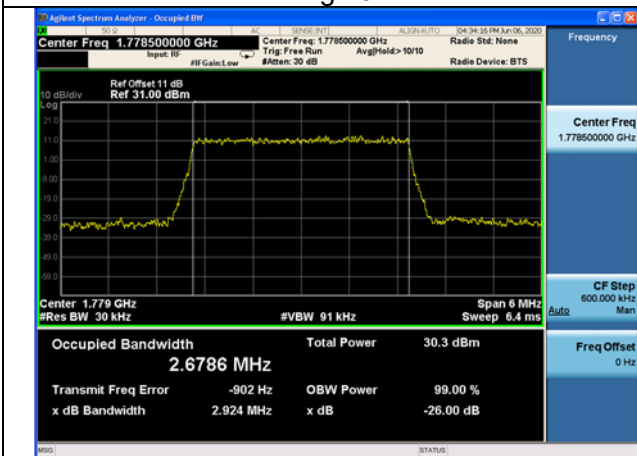


Fig.17

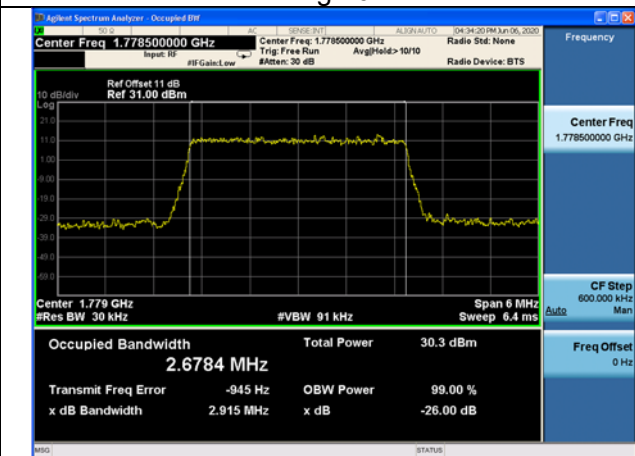


Fig.18

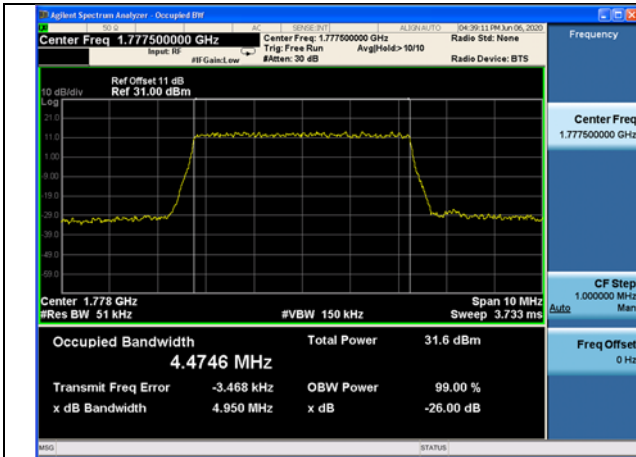


Fig.25

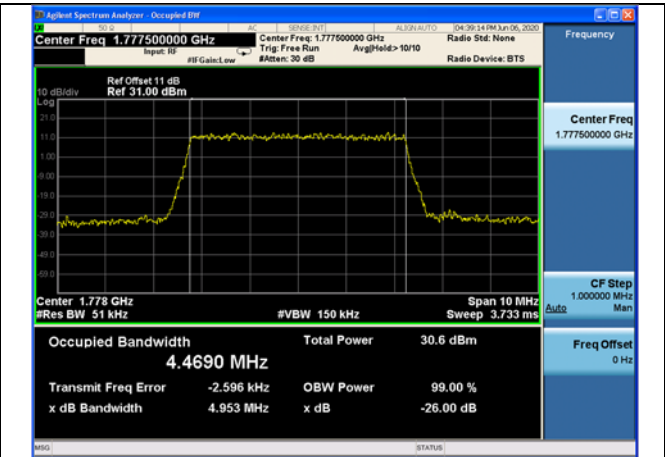


Fig.26

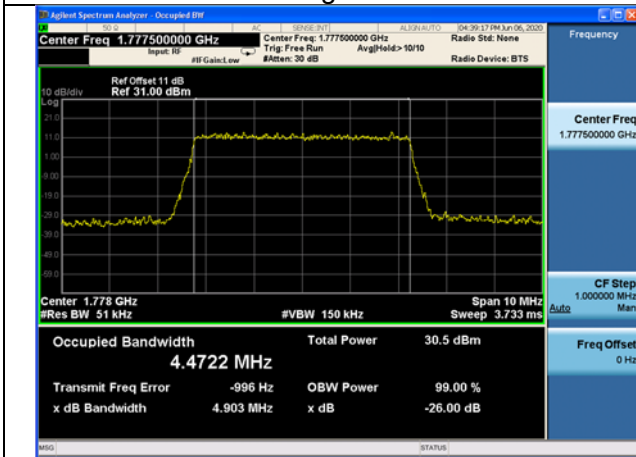


Fig.27

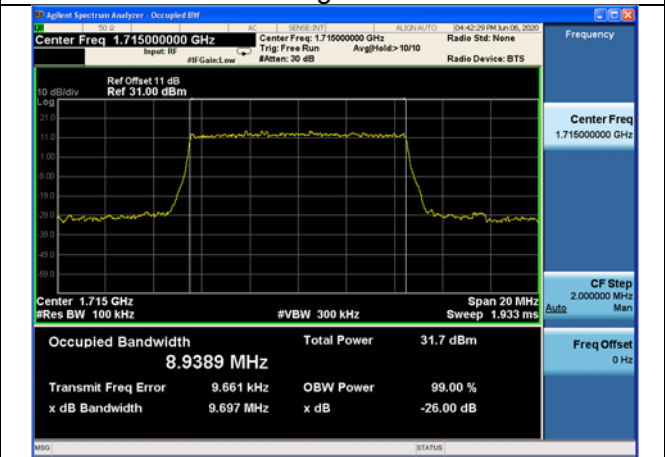


Fig.28

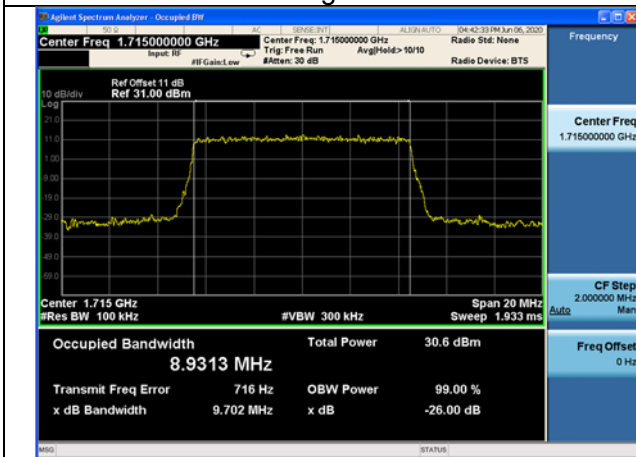


Fig.29

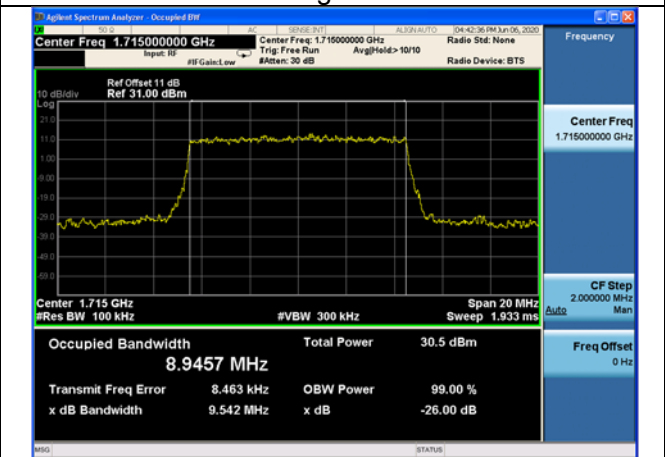


Fig.30

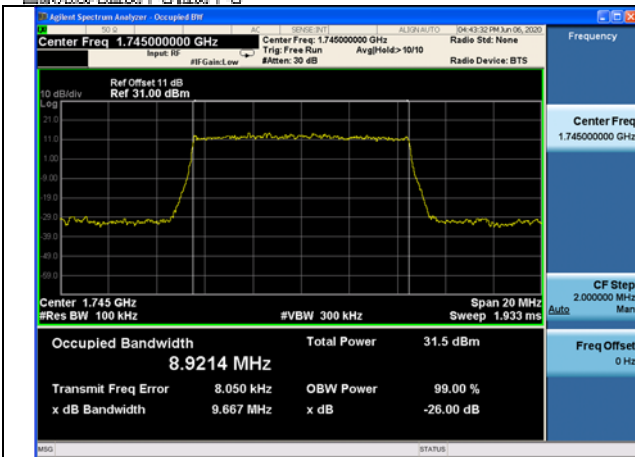


Fig.31

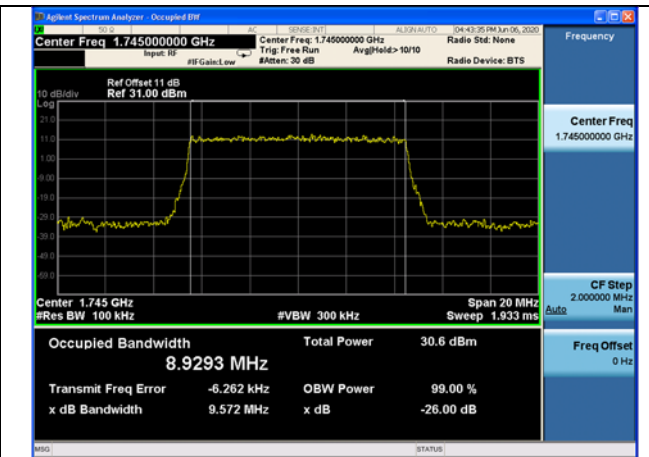


Fig.32

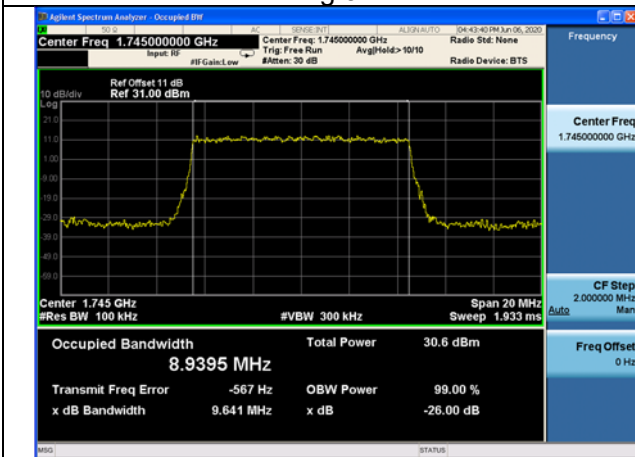


Fig.33

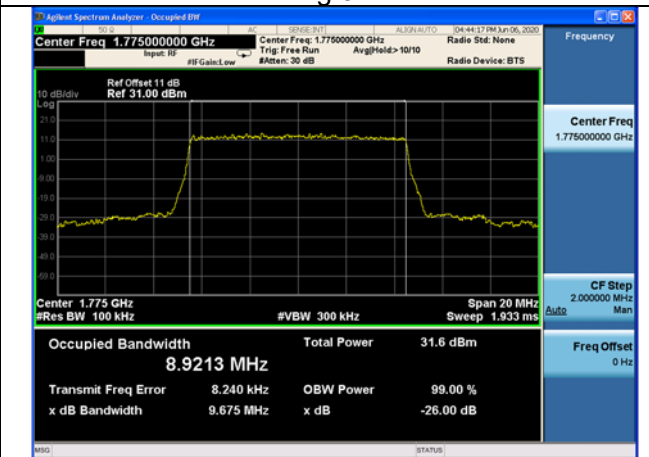


Fig.34

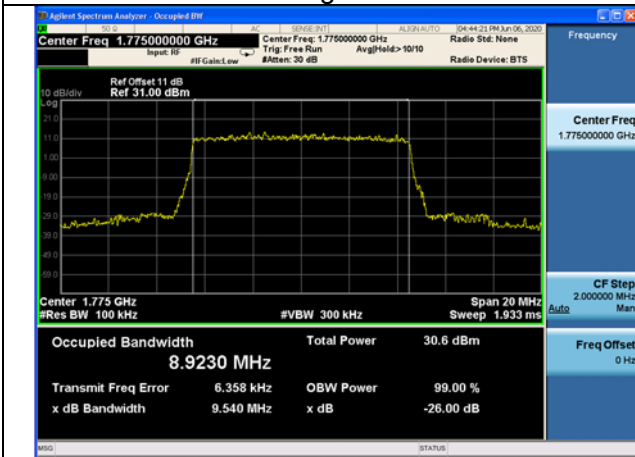


Fig.35

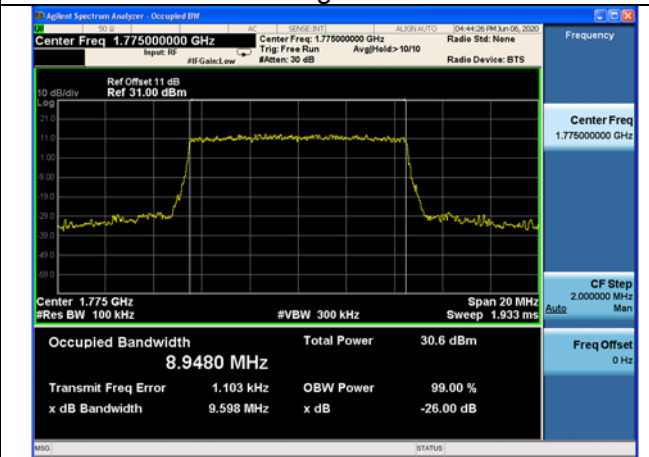


Fig.36

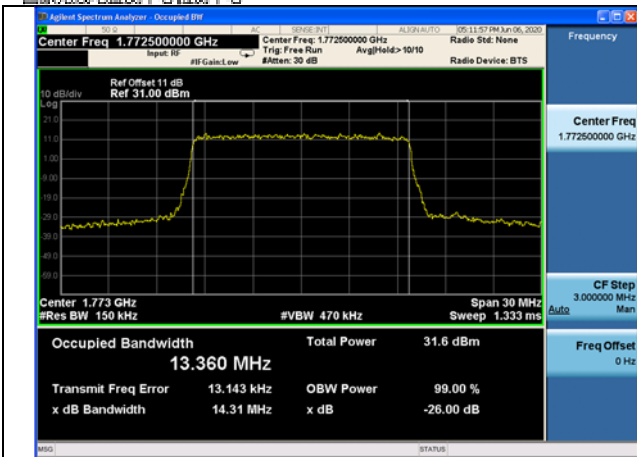


Fig.43

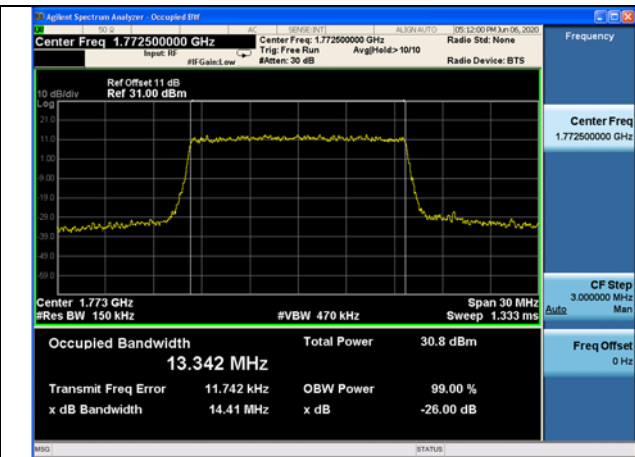


Fig.44

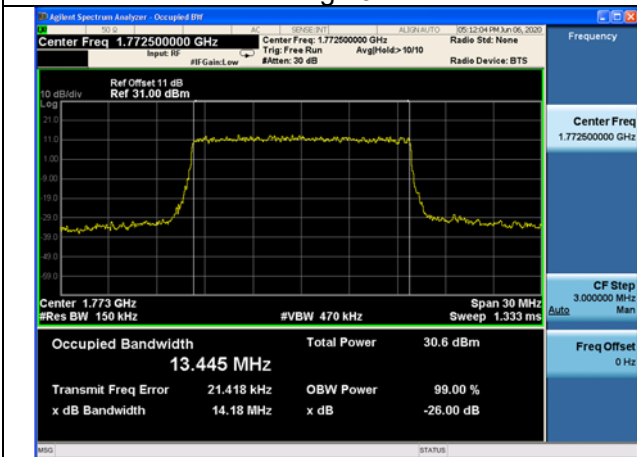


Fig.45

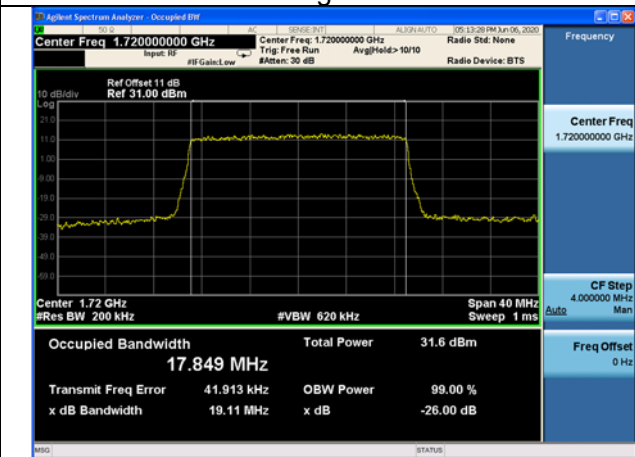


Fig.46

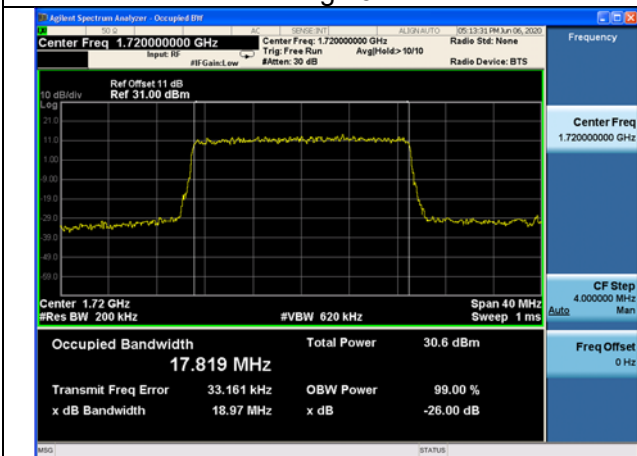


Fig.47

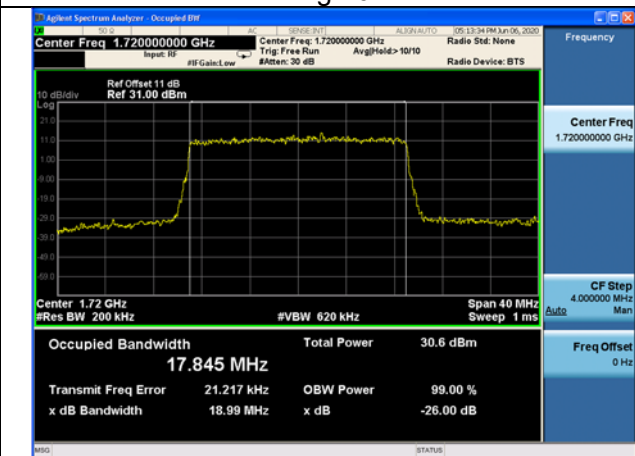


Fig.48

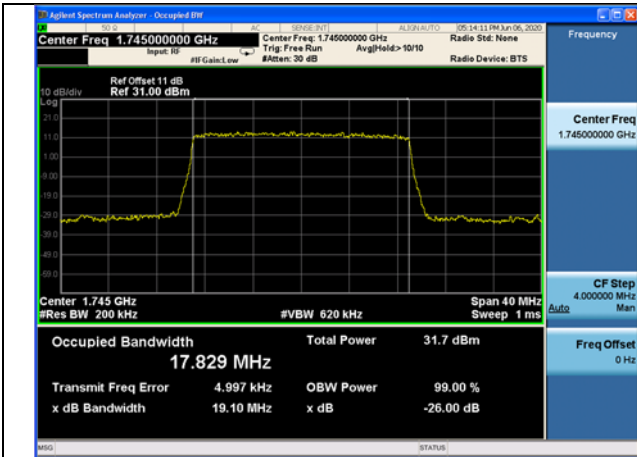


Fig.49

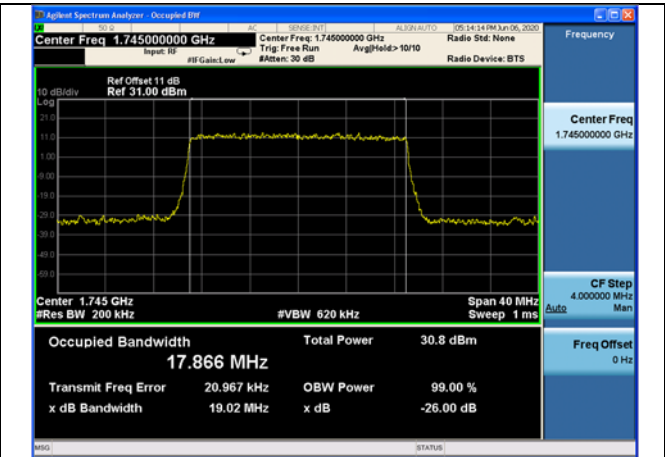


Fig.50

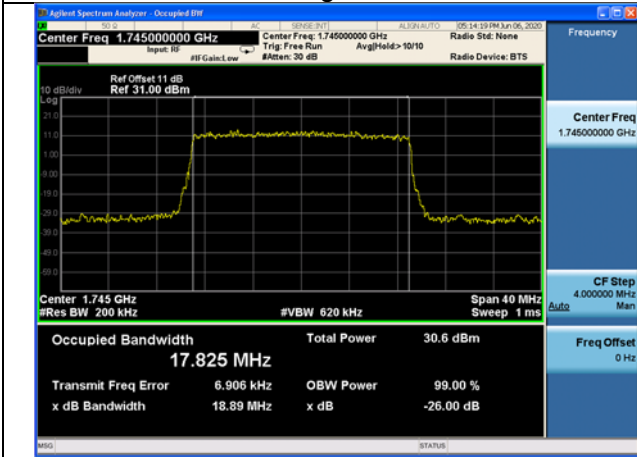


Fig.51

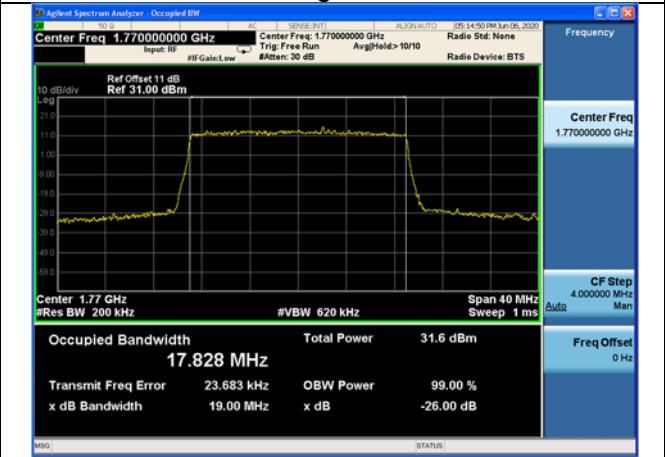


Fig.52

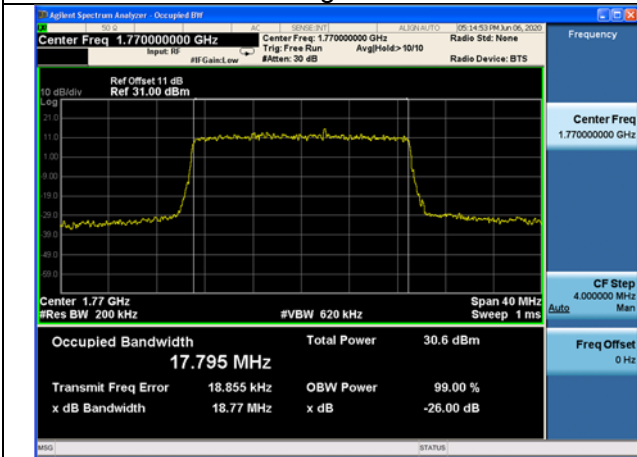


Fig.53

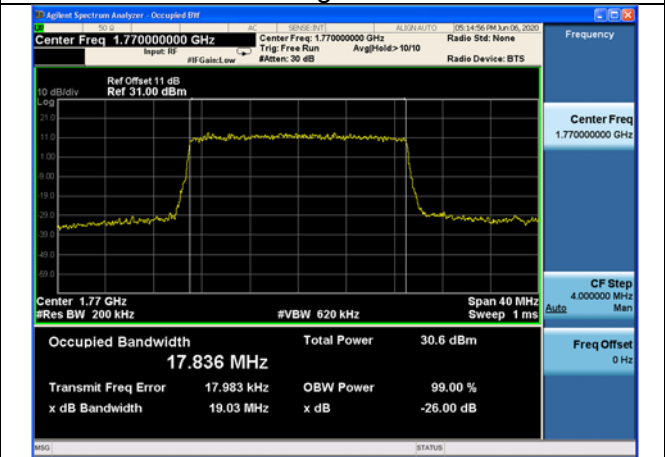


Fig.54

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

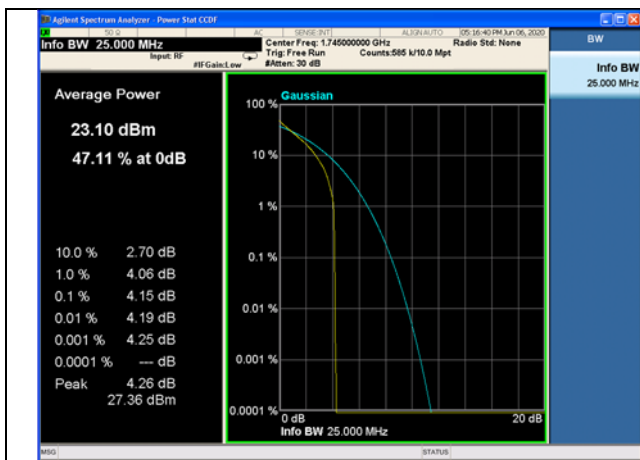


Fig.1

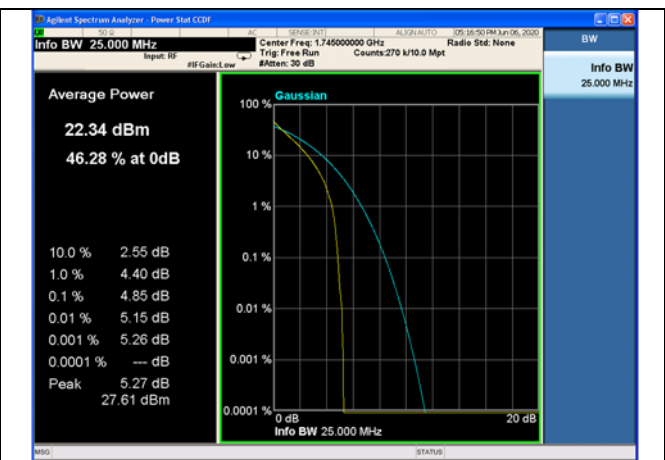


Fig.2

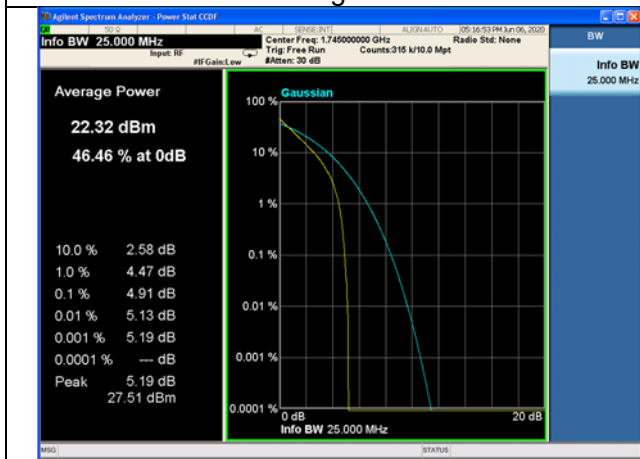


Fig.3



Fig.4

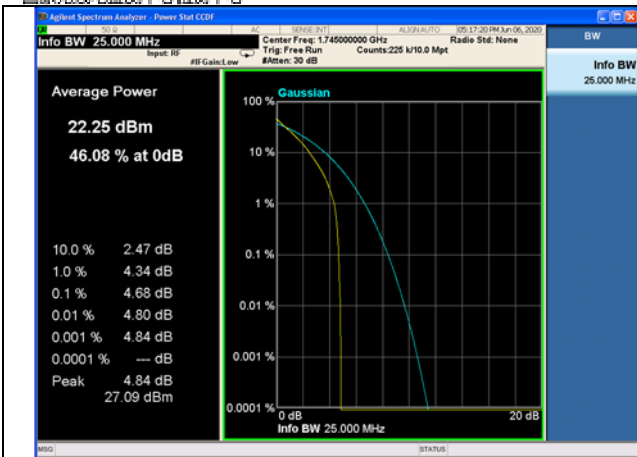


Fig.5

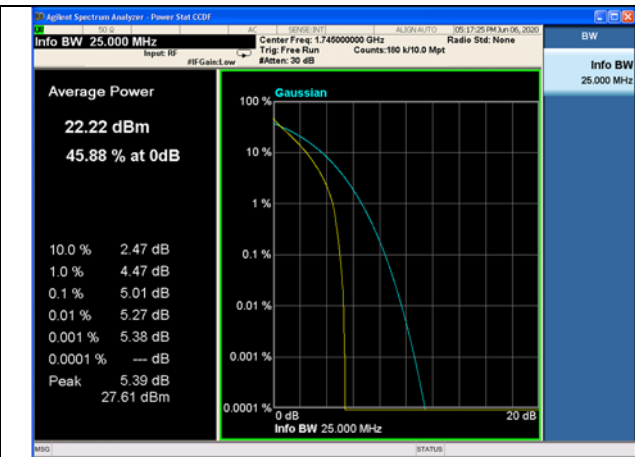


Fig.6

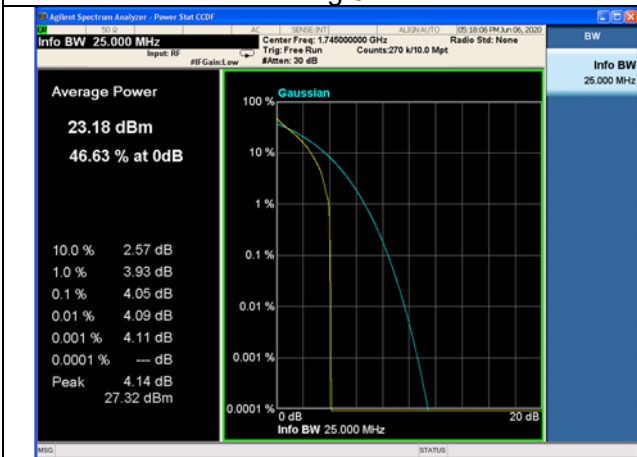


Fig.7

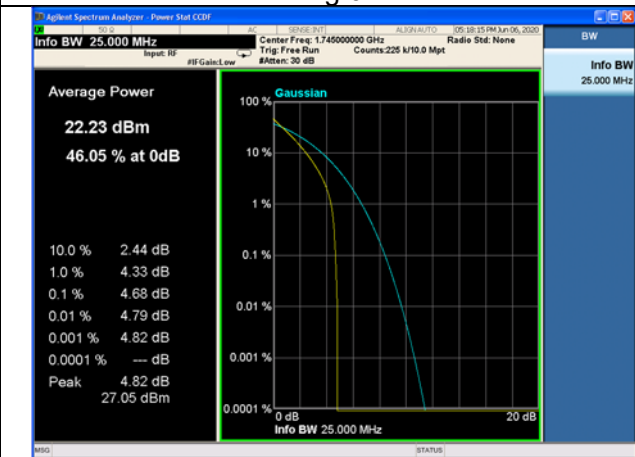


Fig.8

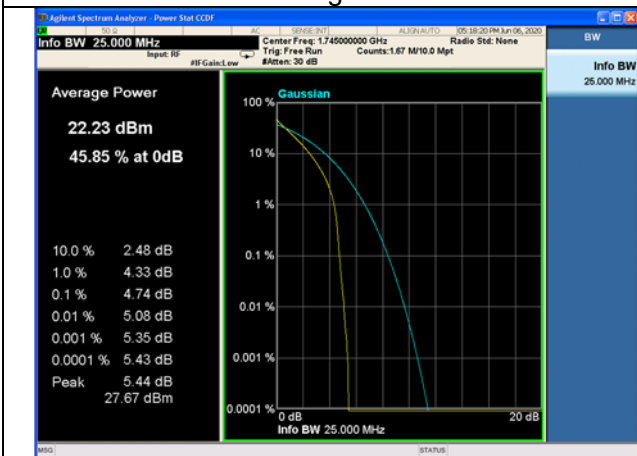


Fig.9

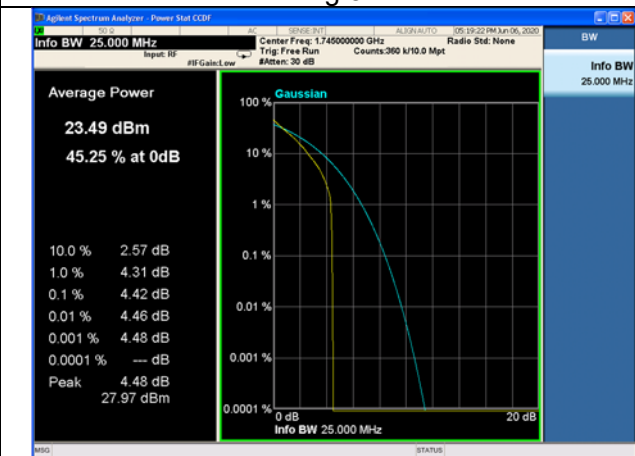


Fig.10

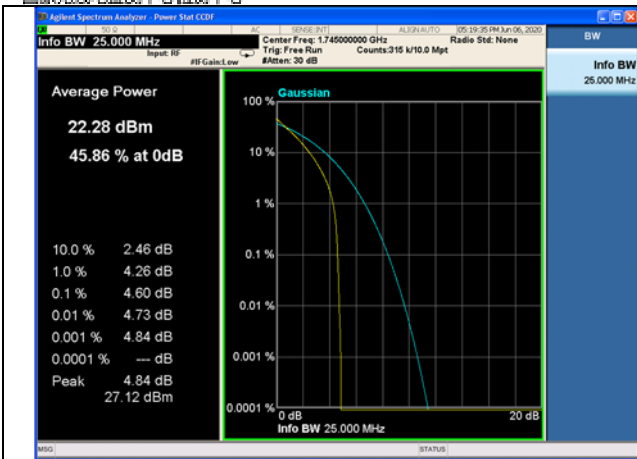


Fig.11

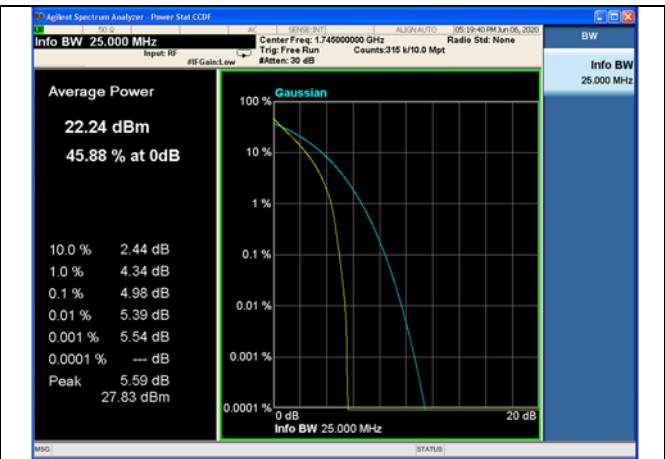


Fig.12

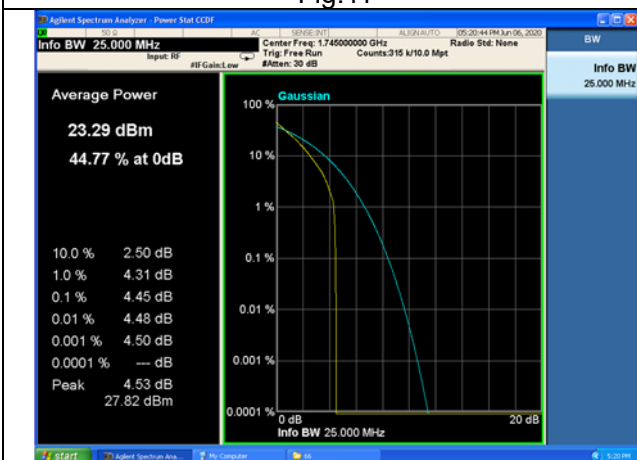


Fig.13



Fig.14

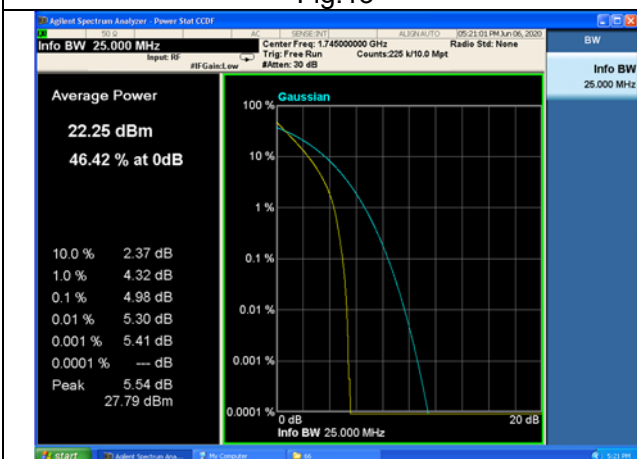


Fig.15



Fig.16

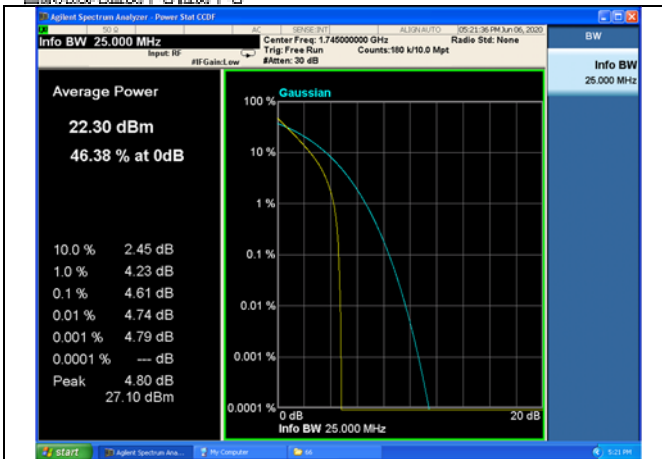


Fig.17



Fig.18