

**The original report test date**

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

**LTE Band 5**

**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	22.93
				1	5	22.93
				3	2	22.02
				6	0	21.96
	836.5	20525		1	0	22.88
				1	5	22.82
				3	2	20.91
				6	0	20.89
	848.3	20643		1	0	22.79
				1	5	22.75
				3	2	21.93
				6	0	21.88
16QAM	824.7	20407	1.4	1	0	21.99
				1	5	21.93
				3	2	21.06
				6	0	21.03
	836.5	20525		1	0	21.86
				1	5	21.92
				3	2	19.95
				6	0	19.97
	848.3	20643		1	0	21.85
				1	5	21.71
				3	2	20.81
				6	0	20.74

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.07
				1	14	22.99
				8	4	22.10
				15	0	22.02
	836.5	20525		1	0	22.95
				1	14	22.92
				8	4	21.06
				15	0	21.05
	847.5	20635		1	0	22.83
				1	14	22.81
				8	4	21.92
				15	0	21.86
16QAM	825.5	20415	3	1	0	22.02
				1	14	22.01
				8	4	21.09
				15	0	21.04
	836.5	20525		1	0	22.00
				1	14	21.94
				8	4	20.03
				15	0	20.01
	847.5	20635		1	0	21.91
				1	14	21.81
				8	4	20.97
				15	0	20.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	23.07
				1	24	23.08
				12	6	22.12
				25	0	22.04
	836.5	20525		1	0	22.97
				1	24	22.98
				12	6	21.08
				25	0	21.02
	846.5	20625		1	0	22.85
				1	24	22.84
				12	6	22.00
				25	0	21.96
16QAM	826.5	20425	5	1	0	22.07
				1	24	22.04
				12	6	21.08
				25	0	21.05
	836.5	20525		1	0	21.95
				1	24	21.93
				12	6	20.07
				25	0	20.07
	846.5	20625		1	0	21.87
				1	24	21.91
				12	6	20.96
				25	0	20.91

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	23.17
				1	49	23.13
				24	12	22.19
				50	0	22.18
	836.5	20525		1	0	23.07
				1	49	23.06
				24	12	21.17
				50	0	21.14
	844	20600		1	0	22.99
				1	49	22.95
				24	12	22.07
				50	0	22.02
16QAM	829	20450	10	1	0	22.20
				1	49	22.17
				24	12	21.23
				50	0	21.18
	836.5	20525		1	0	22.09
				1	49	22.06
				24	12	20.20
				50	0	20.16
	844	20600		1	0	22.00
				1	49	21.96
				24	12	21.08
				50	0	21.01

## 2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
5	824.7	20407	1.4	6	0	1.0834	Fig.1	1.0831	Fig.2
	836.5	20525		6	0	1.0830	Fig.3	1.0814	Fig.4
	848.3	20643		6	0	1.0826	Fig.5	1.0836	Fig.6
	825.5	20415	3	15	0	2.6913	Fig.7	2.6924	Fig.8
	836.5	20525		15	0	2.6891	Fig.9	2.6926	Fig.10
	847.5	20635		15	0	2.6911	Fig.11	2.6887	Fig.12
	826.5	20425	5	25	0	4.4763	Fig.13	4.4747	Fig.14
	836.5	20525		25	0	4.4708	Fig.15	4.4738	Fig.16
	846.5	20625		25	0	4.4726	Fig.17	4.4743	Fig.18
	829	20450	10	50	0	8.9401	Fig.19	8.9396	Fig.20
	836.5	20525		50	0	8.9286	Fig.21	8.9164	Fig.22
	844	20600		50	0	8.9475	Fig.23	8.9361	Fig.24

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
5	824.7	20407	1.4	6	0	1.246	Fig.1	1.240	Fig.2
	836.5	20525		6	0	1.243	Fig.3	1.238	Fig.4
	848.3	20643		6	0	1.245	Fig.5	1.239	Fig.6
	825.5	20415	3	15	0	2.973	Fig.7	2.960	Fig.8
	836.5	20525		15	0	2.962	Fig.9	2.966	Fig.10
	847.5	20635		15	0	2.964	Fig.11	2.964	Fig.12
	826.5	20425	5	25	0	4.939	Fig.13	4.920	Fig.14
	836.5	20525		25	0	4.882	Fig.15	4.900	Fig.16
	846.5	20625		25	0	4.927	Fig.17	4.895	Fig.18
	829	20450	10	50	0	9.725	Fig.19	9.635	Fig.20
	836.5	20525		50	0	9.650	Fig.21	9.638	Fig.22
	844	20600		50	0	9.691	Fig.23	9.700	Fig.24

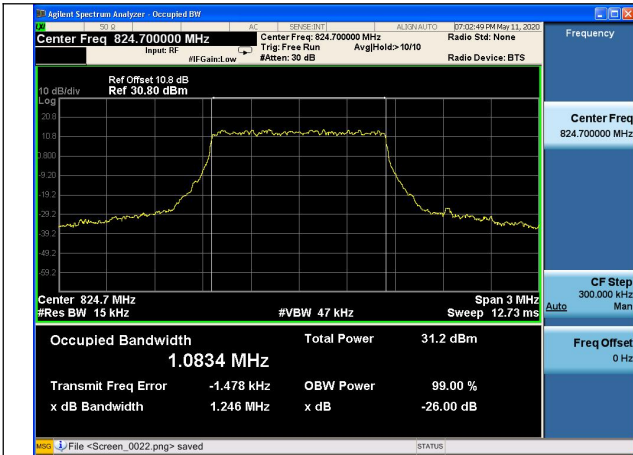


Fig.1



Fig.2

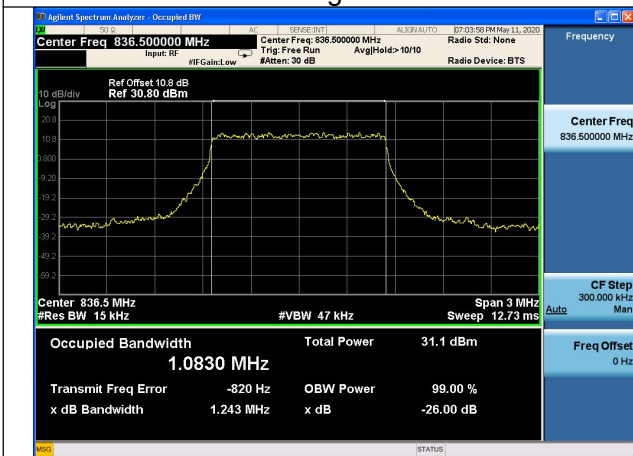


Fig.3

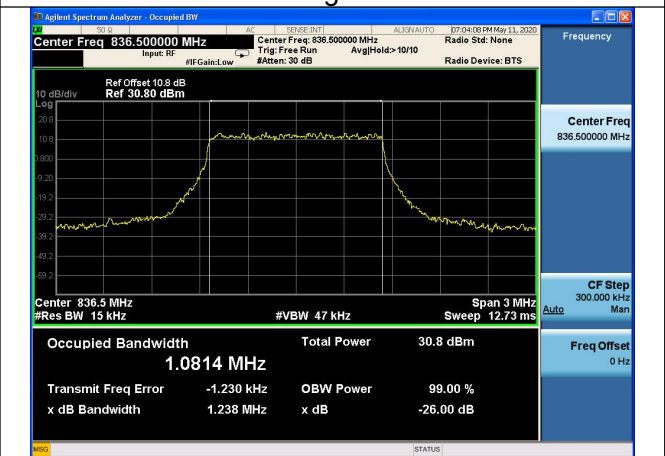


Fig.4

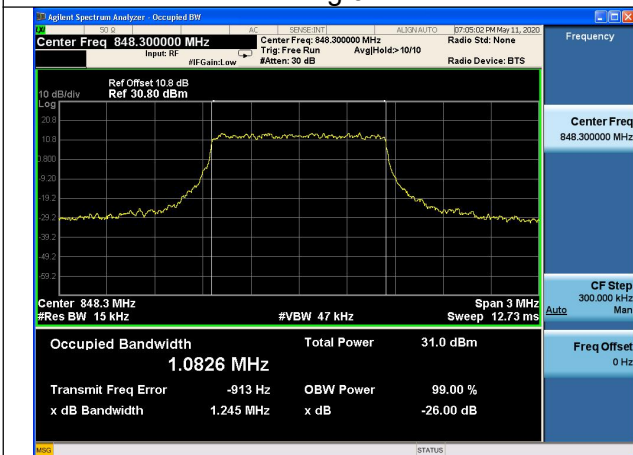


Fig.5



Fig.6

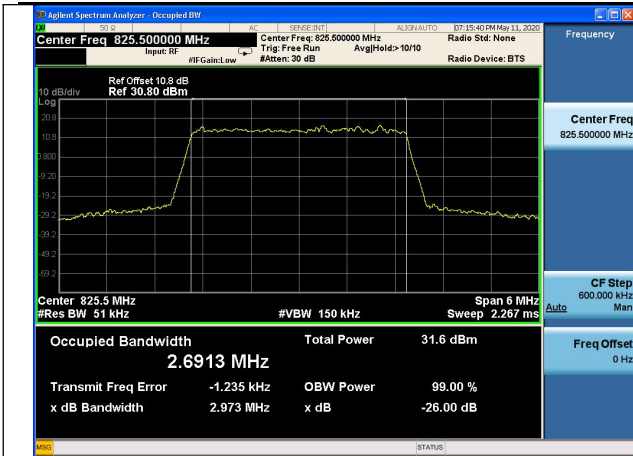


Fig.7

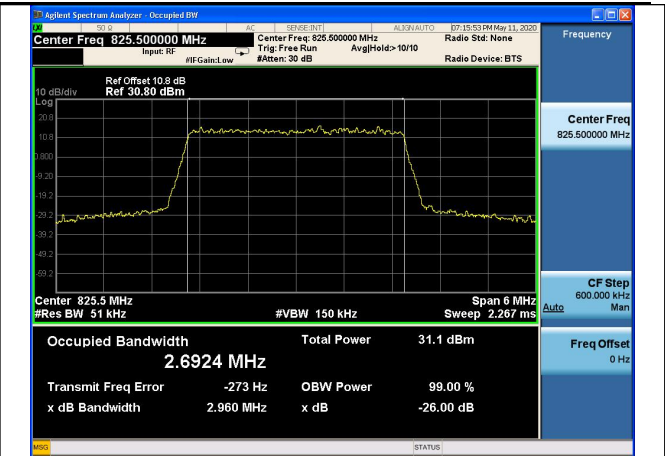


Fig.8

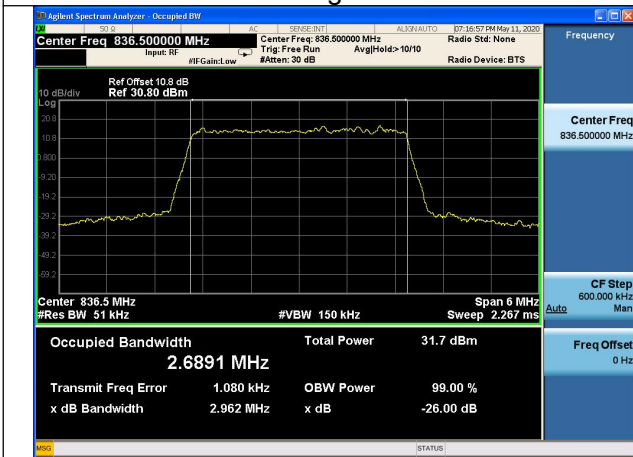


Fig.9

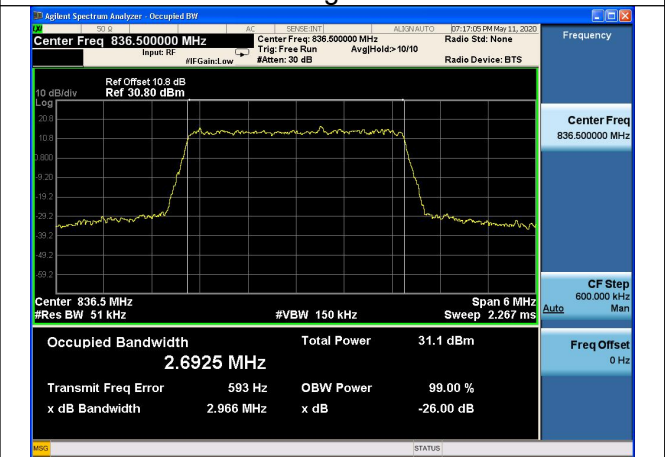


Fig.10

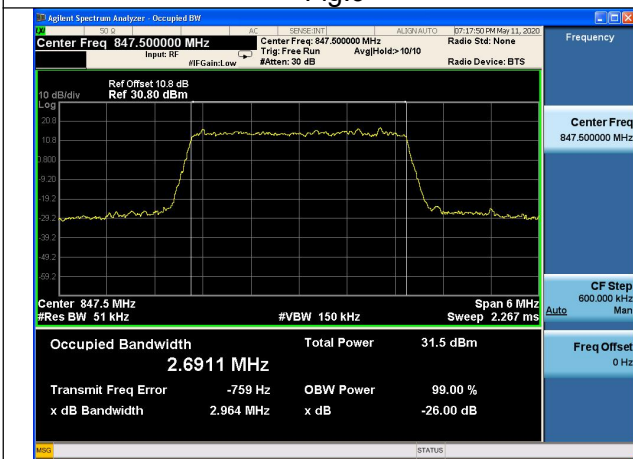


Fig.11

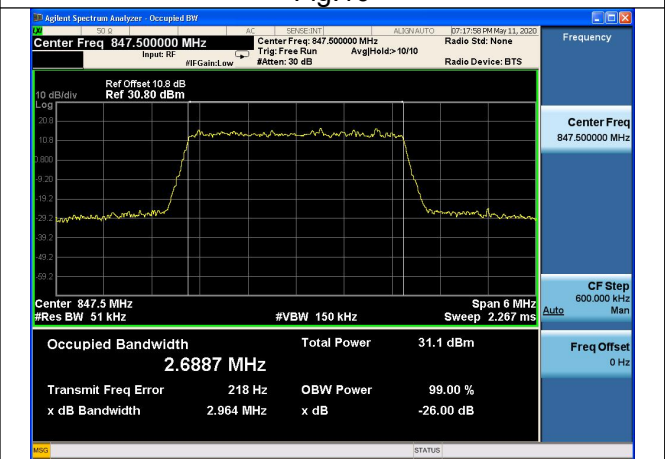


Fig.12

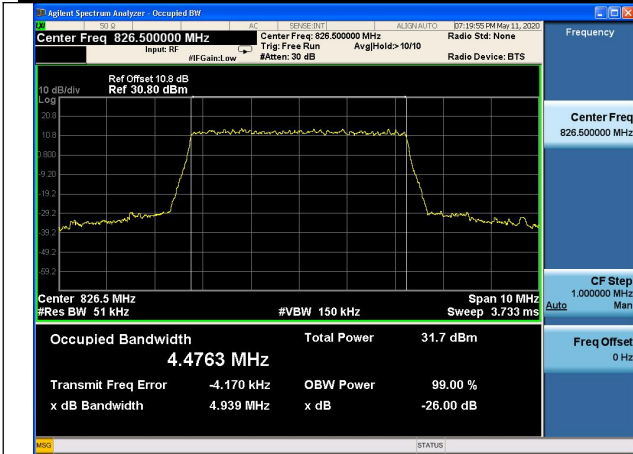


Fig. 13

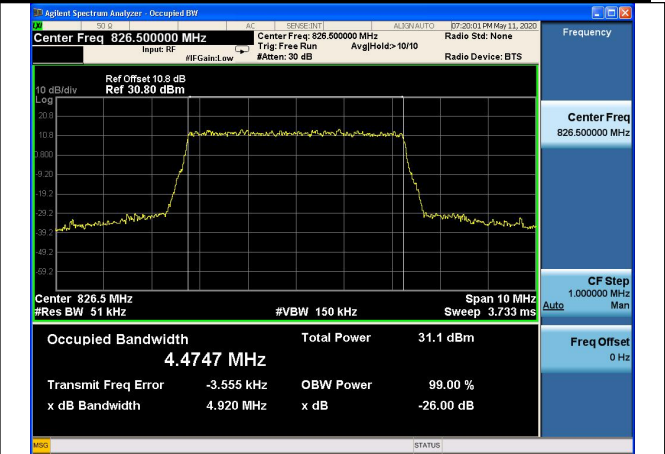


Fig. 14

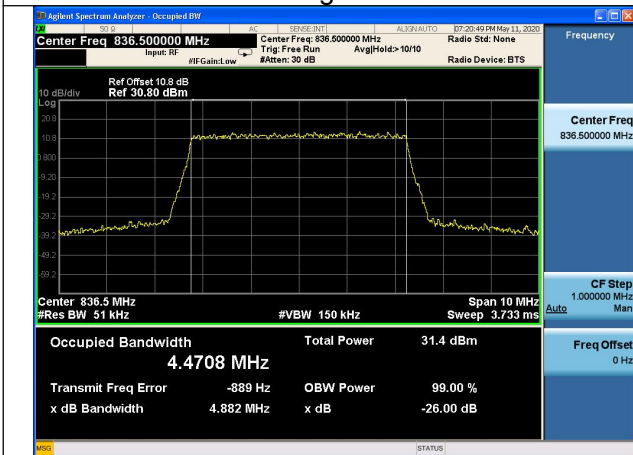


Fig. 15

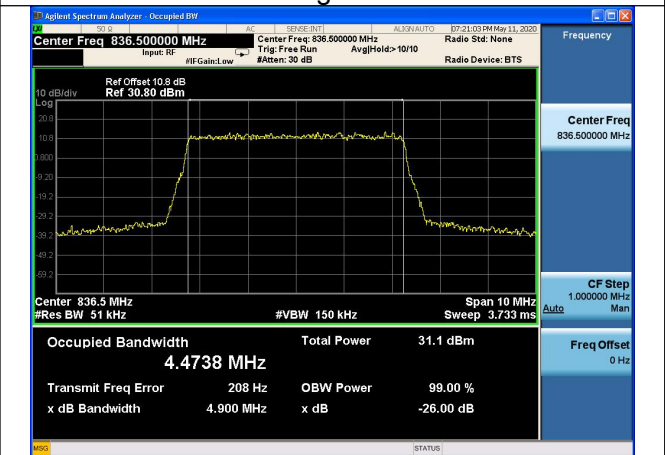


Fig. 16

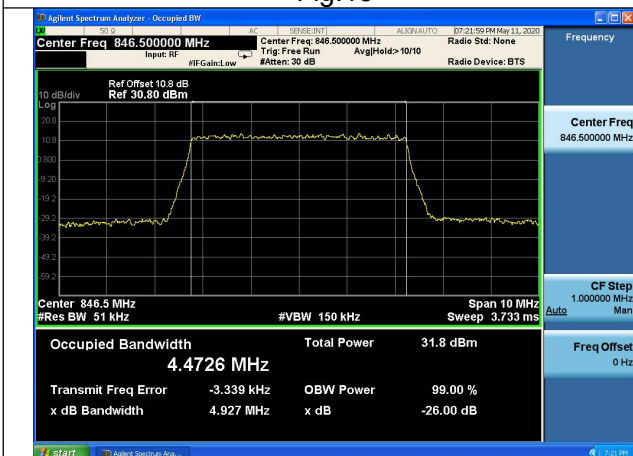


Fig. 17

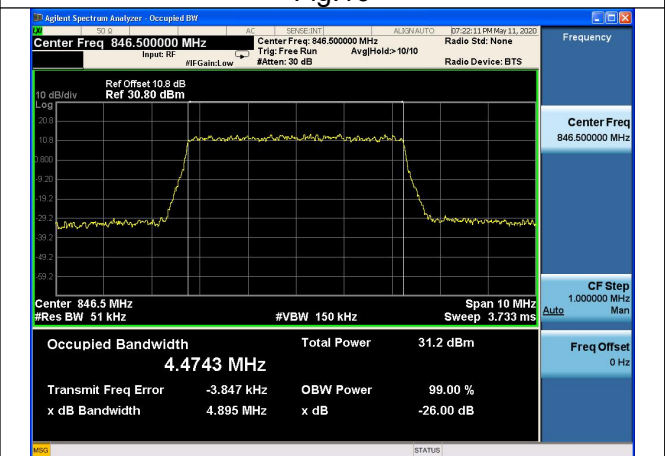


Fig. 18



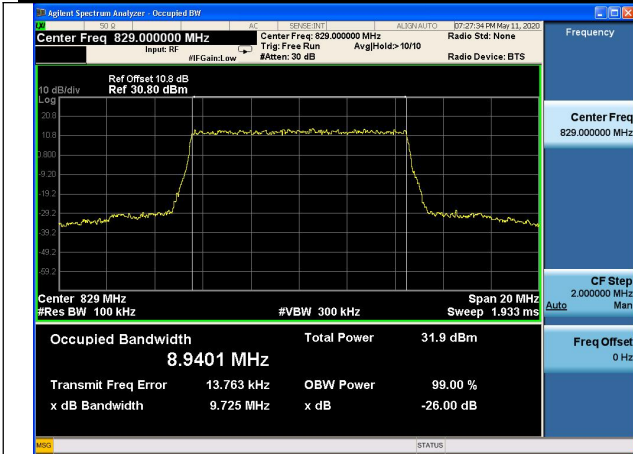


Fig.19

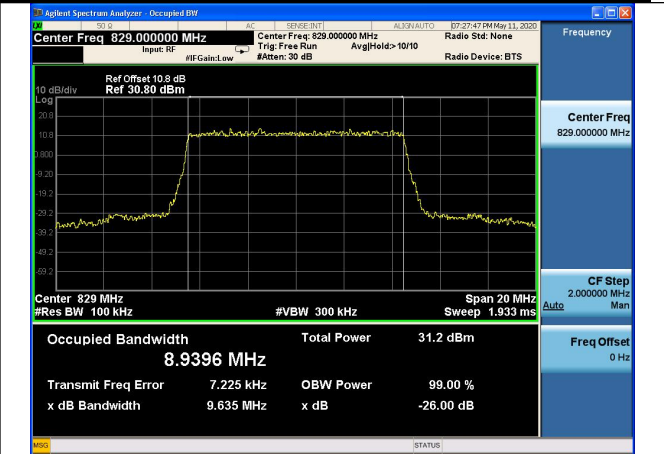


Fig.20

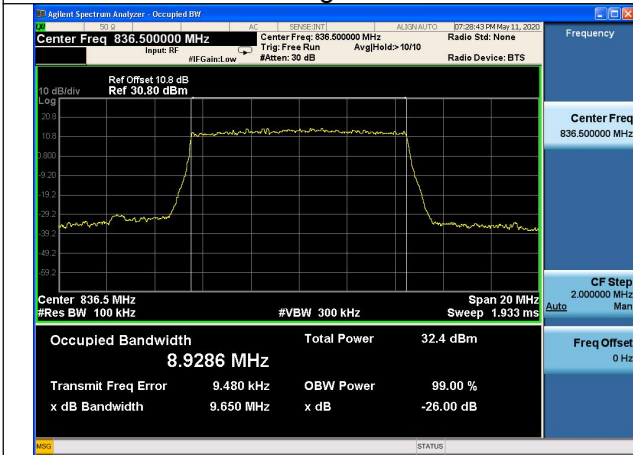


Fig.21

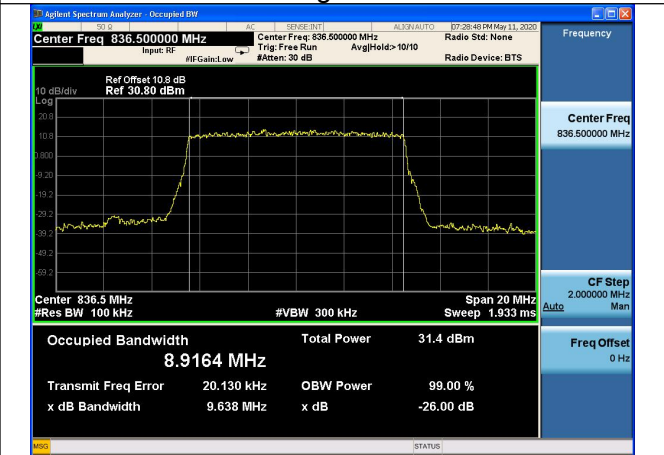


Fig.22

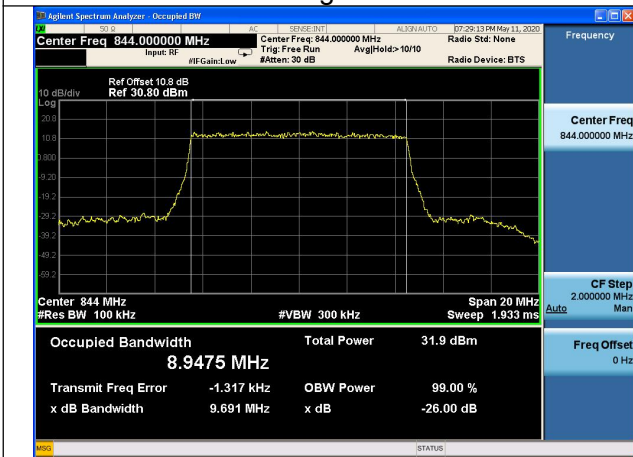


Fig.23



Fig.24

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
5	836.5	20525	1.4	1	0	Fig.1	Fig.2
			3	1	0	Fig.3	Fig.4
			5	1	0	Fig.5	Fig.6
			10	1	0	Fig.7	Fig.8

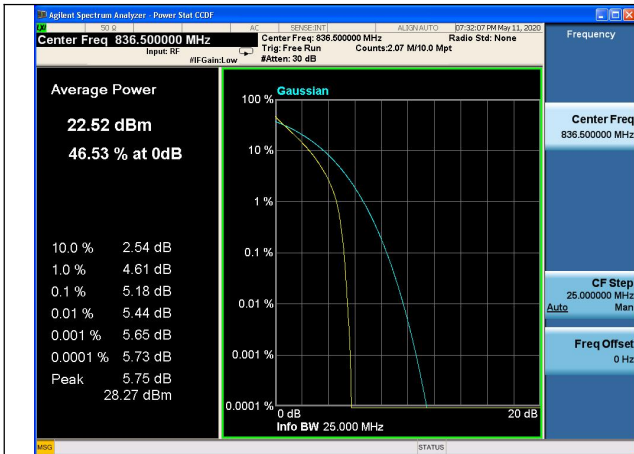


Fig.1

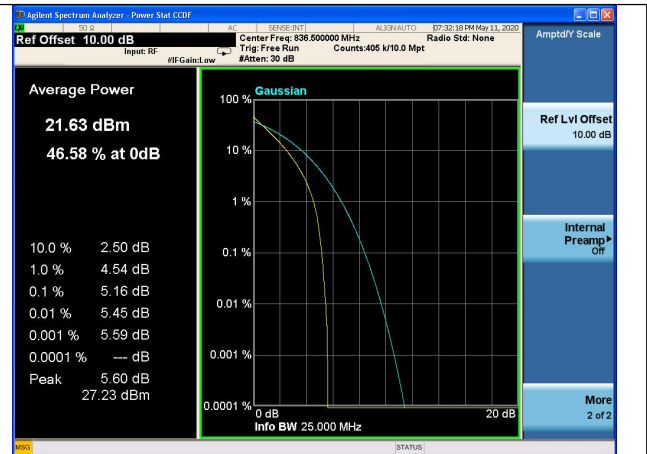


Fig.2

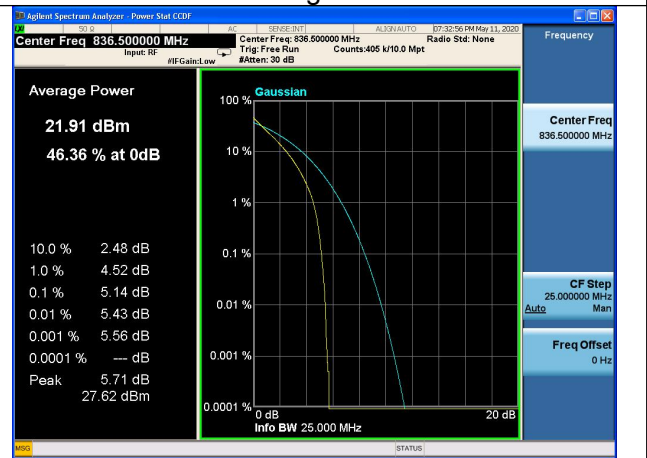


Fig.3

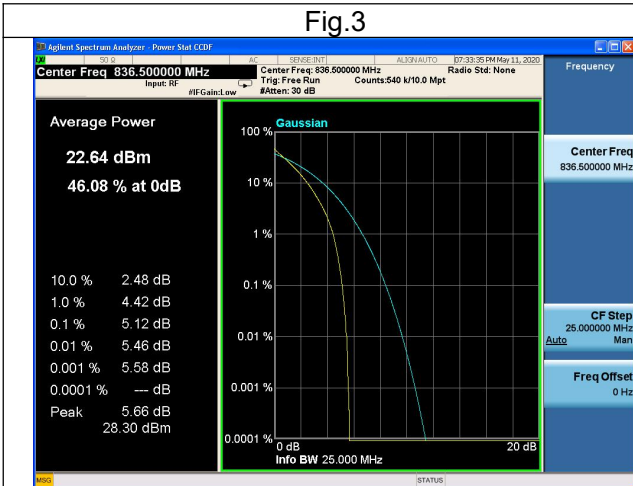


Fig.4

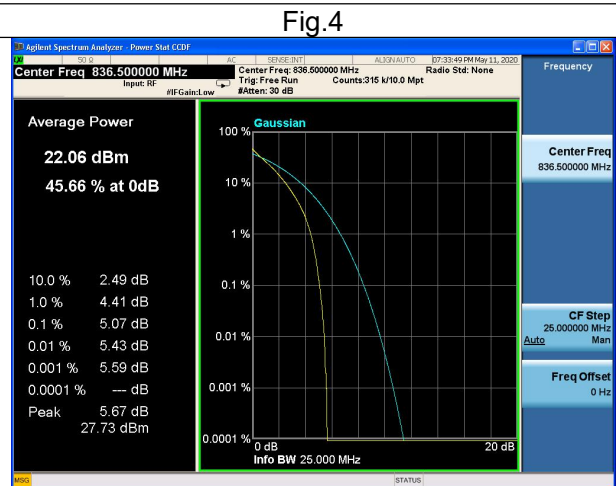


Fig.5

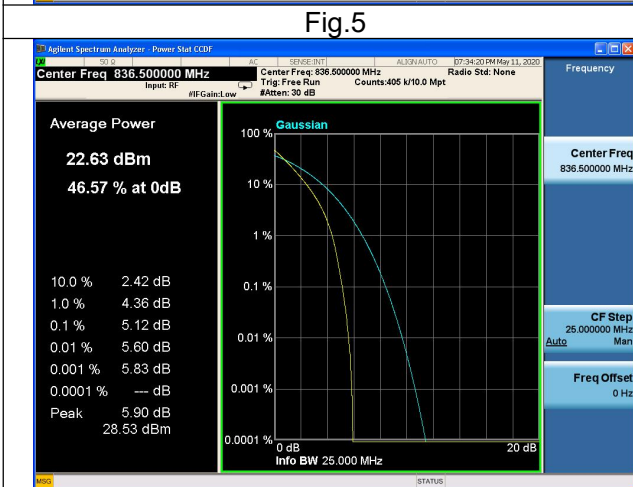


Fig.6

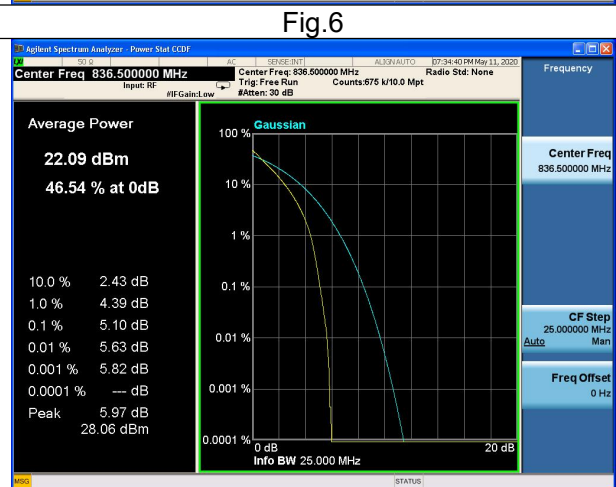


Fig.7

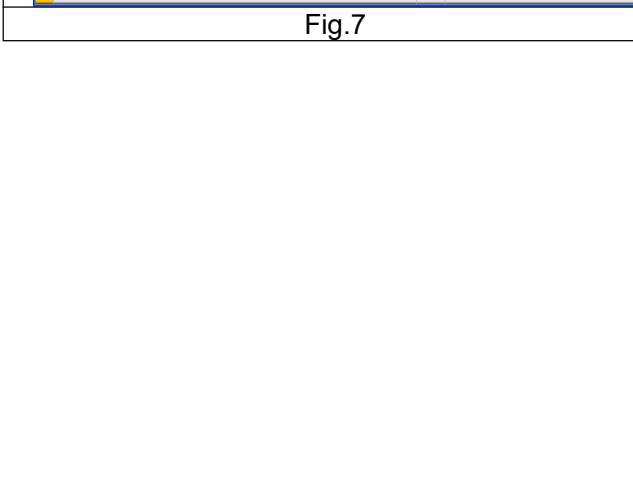
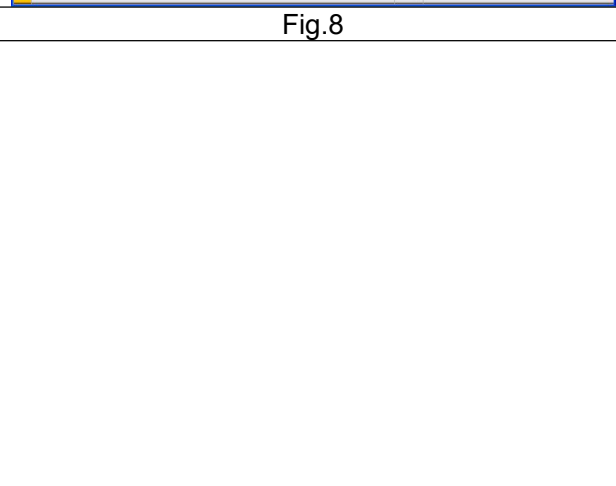


Fig.8



**4 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1-2
	836.5	20525	10	1	0	Fig.3-4
	844	20600	10	1	0	Fig.4-5

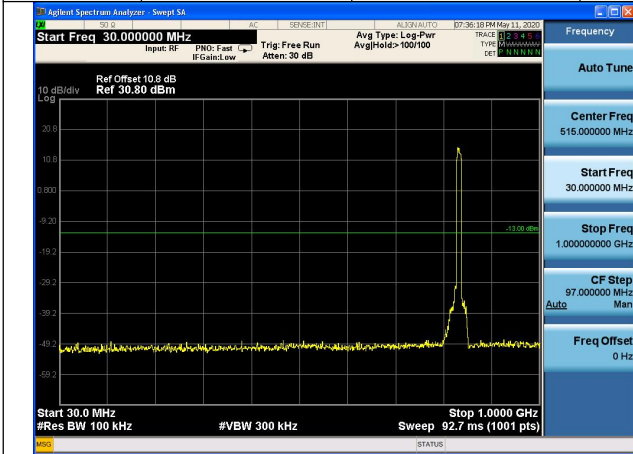


Fig.1

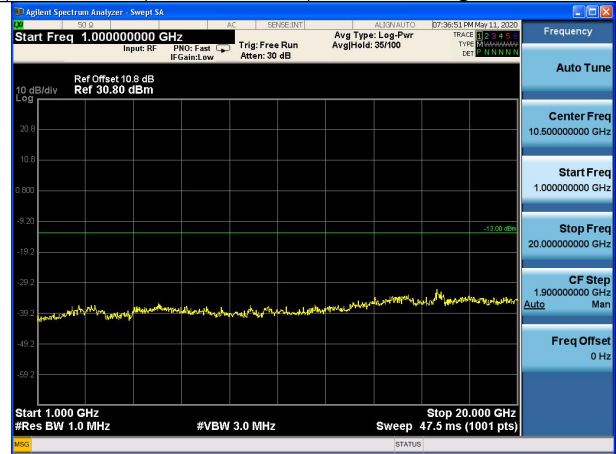


Fig.2

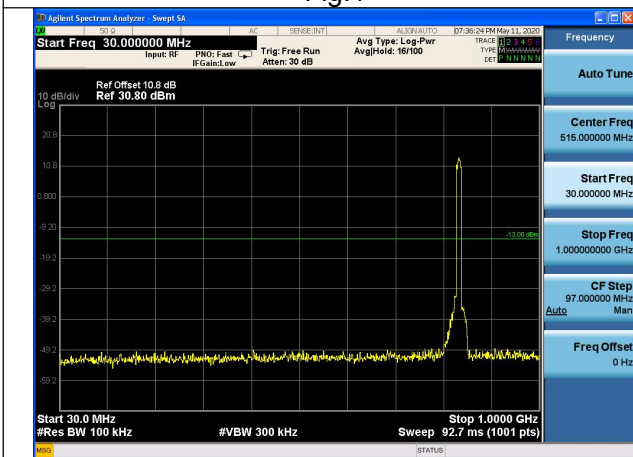


Fig3



Fig4

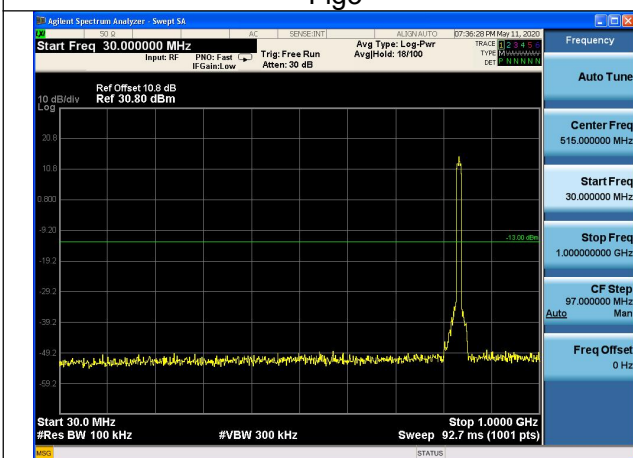


Fig5



Fig6

**5 Band Edges Compliance**  
Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
5	824.7	20407	1.4	1	0	Fig.1
				6	0	Fig.2
	848.3	20643		1	5	Fig.3
				6	0	Fig.4
	825.5	20415	3	1	0	Fig.5
				15	0	Fig.6
	847.5	20635		1	14	Fig.7
				15	0	Fig.8
	826.5	20425	5	1	0	Fig.9
				25	0	Fig.10
	846.5	20625		1	24	Fig.11
				25	0	Fig.12
	829	20450	10	1	0	Fig.13
				50	0	Fig.14
	844	20600		1	49	Fig.15
				50	0	Fig.16

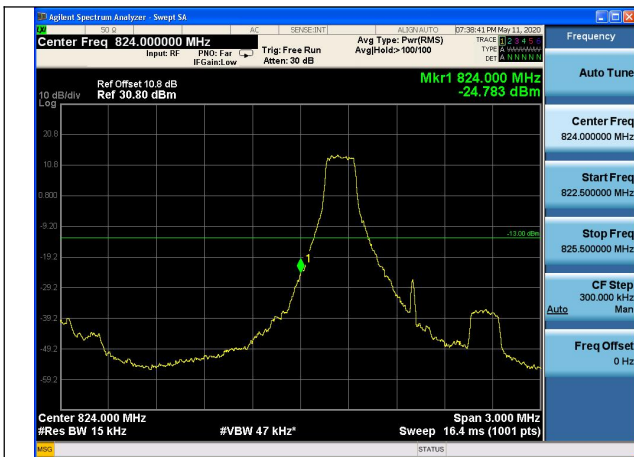


Fig.1

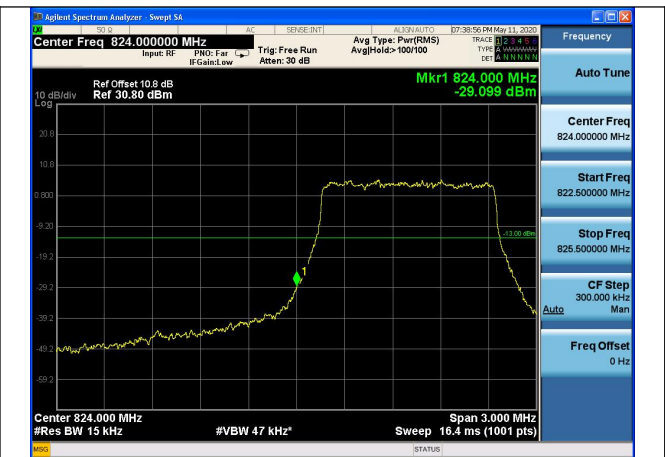


Fig.2

