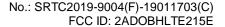


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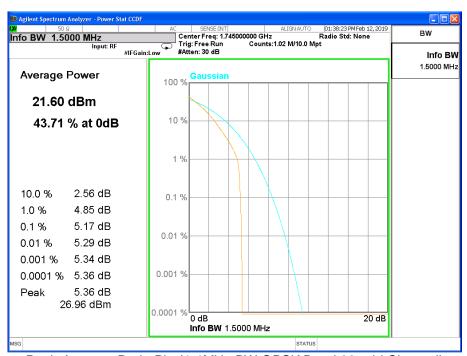


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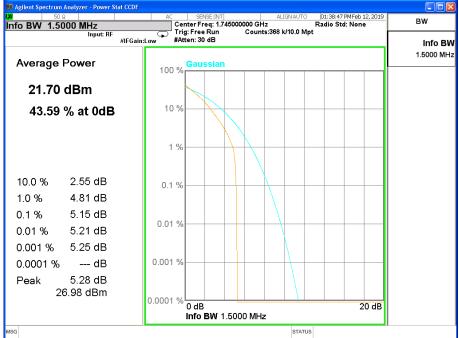


3 Peak-Average Ratio

Test result:

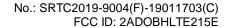


Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 66-mid Channel)

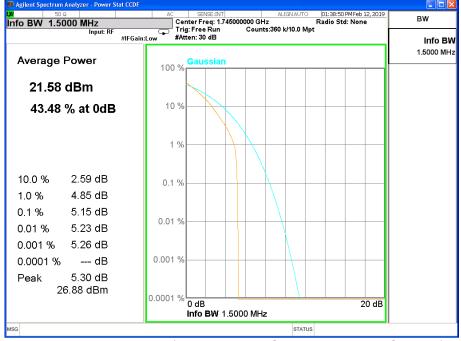


Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 66-mid Channel)

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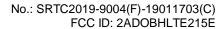


Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 66-mid Channel)



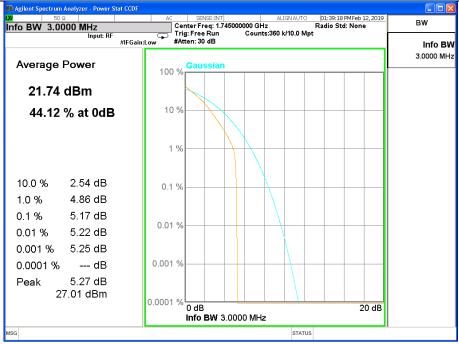
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 66-mid Channel)

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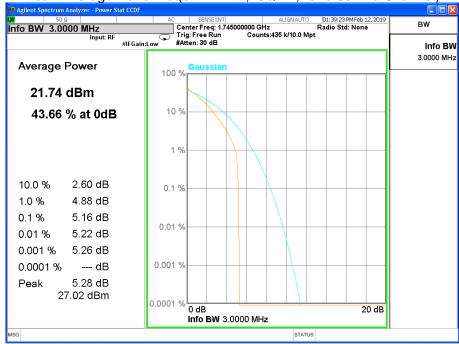


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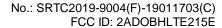




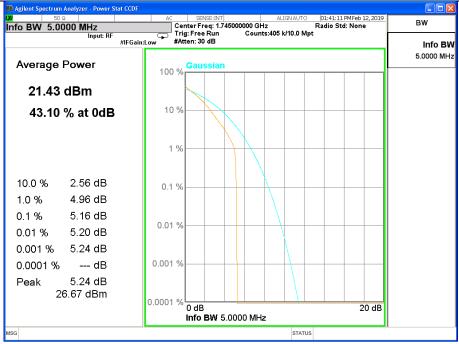
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 66-mid Channel)



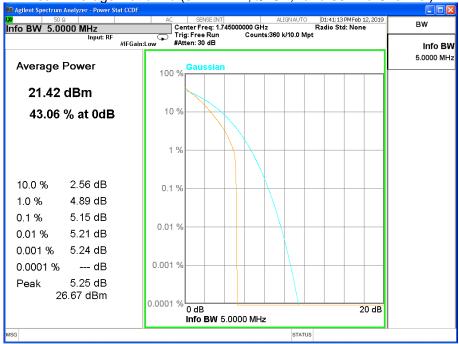
Peak-Average Ratio Plot(3MHz BW,64QAM,Band 66-mid Channel)





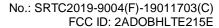


Peak-Average Ratio Plot(5MHz BW,QPSK,Band 66-mid Channel)



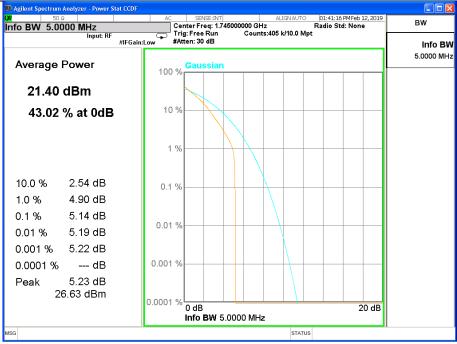
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 66-mid Channel)

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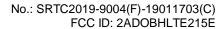




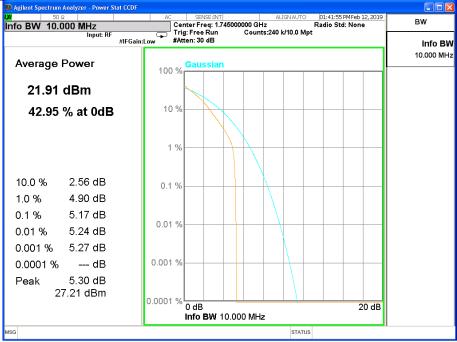
Peak-Average Ratio Plot(5MHz BW,64QAM,Band 66-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 66-mid Channel)







Peak-Average Ratio Plot(10MHz BW,16QAM,Band 66-mid Channel)

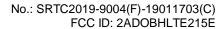


Peak-Average Ratio Plot(10MHz BW,64QAM,Band 66-mid Channel)

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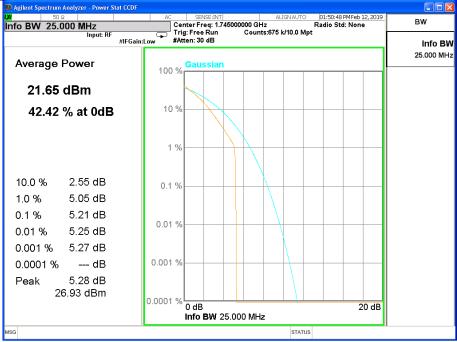
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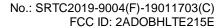


Peak-Average Ratio Plot(15MHz BW,QPSK,Band 66-mid Channel)



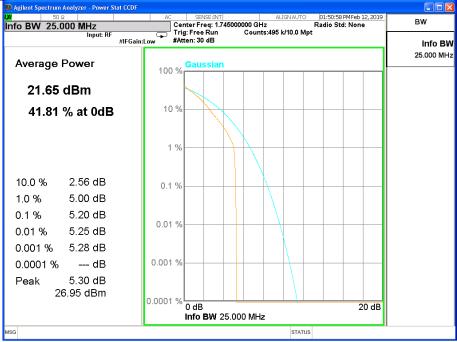
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 66-mid Channel)

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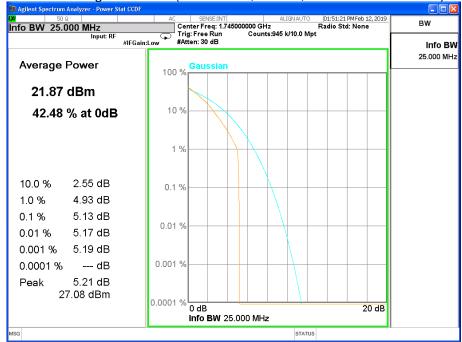


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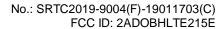




Peak-Average Ratio Plot(15MHz BW,64QAM,Band 66-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 66-mid Channel)



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Peak-Average Ratio Plot(20MHz BW,16QAM,Band 66-mid Channel)



Peak-Average Ratio Plot(20MHz BW,64QAM,Band 66-mid Channel)

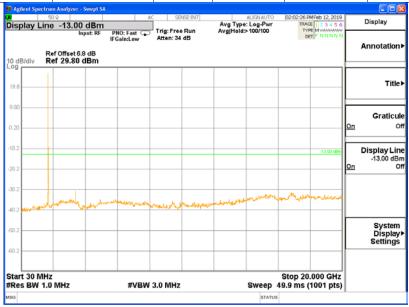


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4 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency	Channel(Low)	BW	RB Size	RB Offset	Conducted Spurious Plot
Dario	(MHz)	Charmer(Low)	DVV	ND SIZE	ND Ollset	QPSK
66	1720	132072	20	1	0	Fig.1



 Band
 Carrier frequency (MHz)
 Channel(Mid)
 BW
 RB Size
 RB Offset
 Conducted Spurious Plot

 66
 1745
 132322
 20
 1
 0
 Fig.1

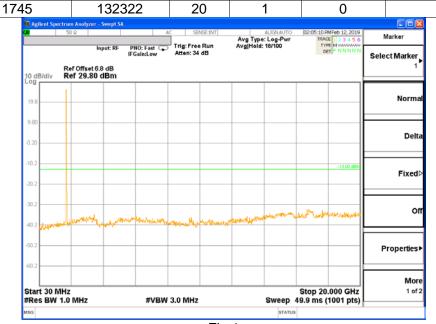


Fig.1

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Band	Carrier frequency	Channel(High)	BW	RB Size	RB Offset	Conducted Spurious Plot
Baria	(MHz)	Chamile (Filgil)	DW.		ND Glioot	QPSK
66	1770	132572	20	1	0	Fig.1

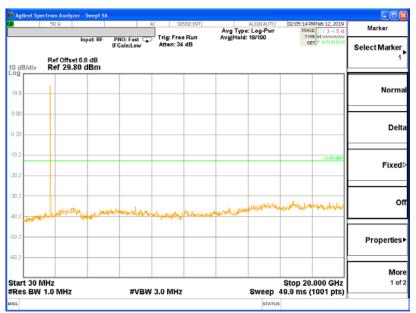


Fig.1

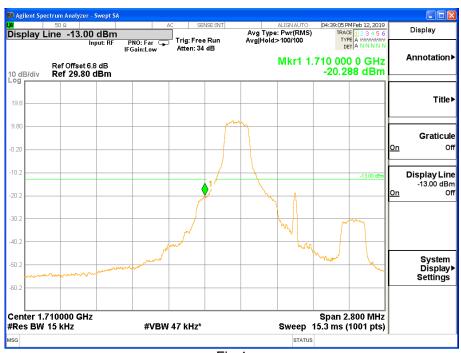


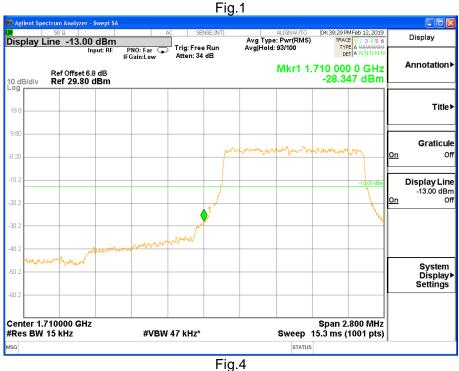
No.: SRTC2019-9004(F)-19011703(C) FCC ID: 2ADOBHLTE215É

5 Band Edges Compliance

Test result

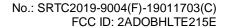
10011000	001.000.1									
Band	Carrier	Channel(BW	_{RW} RB	RB	Band Edges Plot				
Dariu	nd frequency Lov	Low)		Size	Offset	QPSK				
66	1710.7	131979	1.1	1	0	Fig.1				
66 1710.7	1710.7	131979	1.4	6	0	Fig.4				





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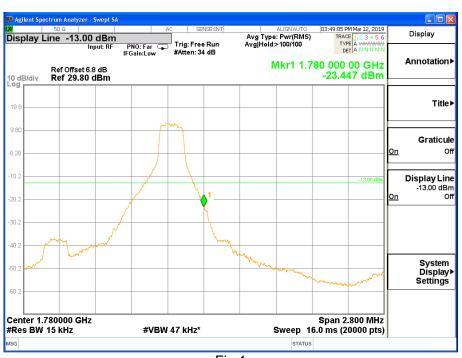
V1.0.0



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Band	Carrier	Channel(BW	RB	RB	Band EdgesPlot
Danu	frequency (MHz)	High)	DVV	Size	Offset	QPSK
66	66 1779.3 132665	1 1	1	5	Fig.1	
00	1779.3	132003	1.4	6	0	Fig.4



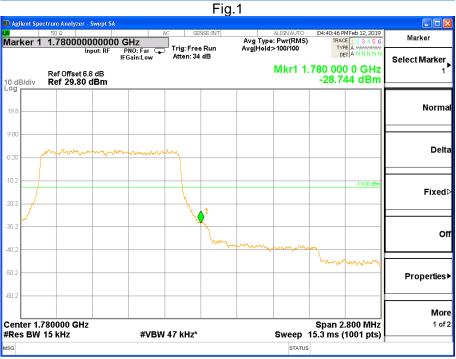
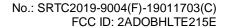


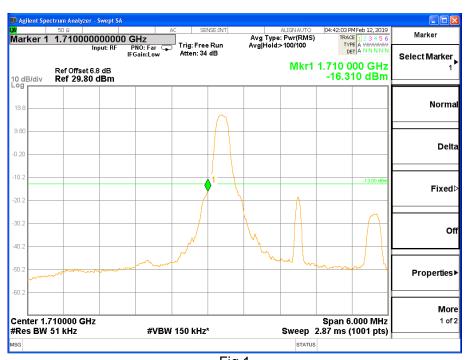
Fig.4



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Band	Carrier	Channel(D\\/	RB	RB	Band EdgesPlot
Dariu	frequency (MHz)	uency Low) · Bvv	DVV	Size	Offset	QPSK
66	66 4744 5	131987	2	1	0	Fig.1
00 171	1711.5		3	15	0	Fig.4



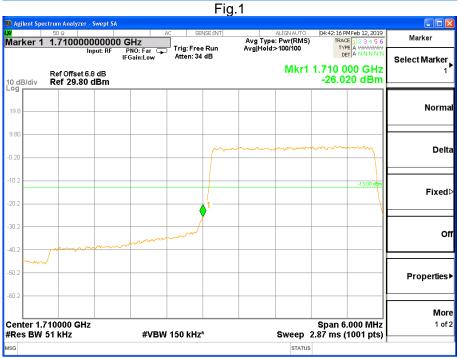
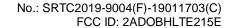
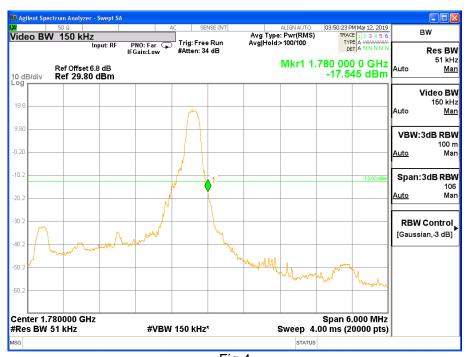


Fig.4





Band	Carrier	Channel(BW	RB	RB Offset	Band EdgesPlot
Dariu	frequency (MHz)	High)	DVV	Size		QPSK
66	66 1779.5 11	132657	3	1	14	Fig.1
00	1778.5	132037		15	0	Fig.4



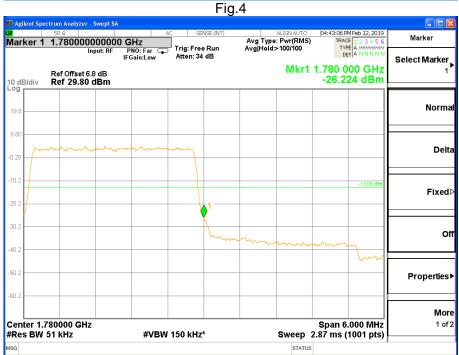
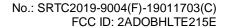


Fig.8

V1.0.0

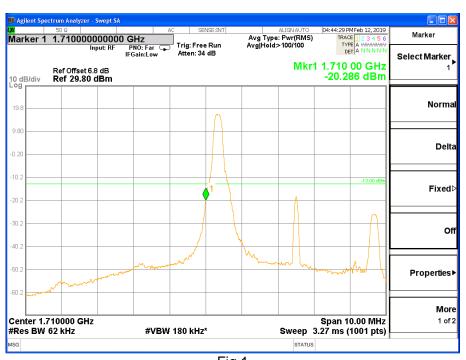
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Band	Carrier	Channel(DIV	RB	RB RB	Band EdgesPlot
Dariu	frequency (MHz)		Size	Size Offset	QPSK	
66	66 1712 5 1216	131997	5	1	0	Fig.1
00 1712	1712.5	131997	5	25	0	Fig.4



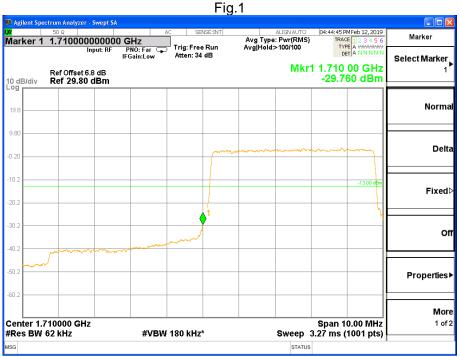
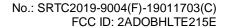


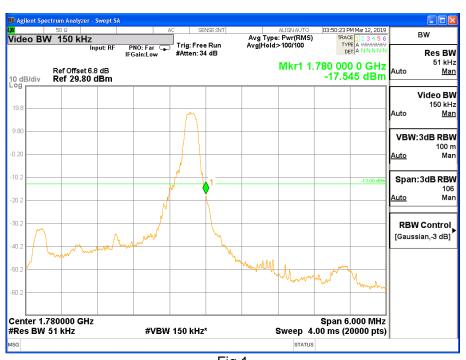
Fig.4



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Band	Carrier	Channel(D\\/	RB	RB RB	Band EdgesPlot
Dariu	frequency (MHz)		Size	Size Offset	QPSK	
66	66 4777.5	132647	5	1	24	Fig.1
66 177	1777.5			25	0	Fig.4



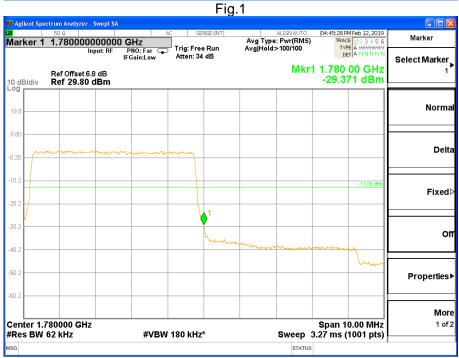
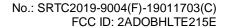


Fig.4

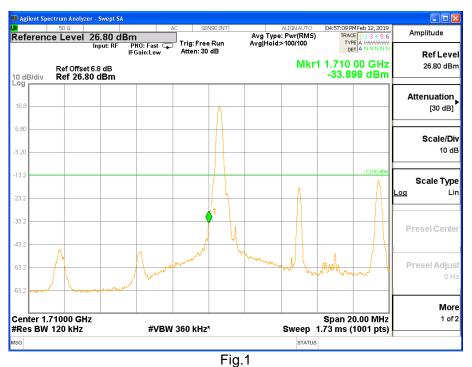
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Band	Carrier	Channel(D\\/	RB	RB	Band EdgesPlot
Dariu	frequency (MHz)		Size	Size Offset	QPSK	
66	66 1715 132022	10	1	0	Fig.1	
66 1715	1715	132022	10	50	0	Fig.4



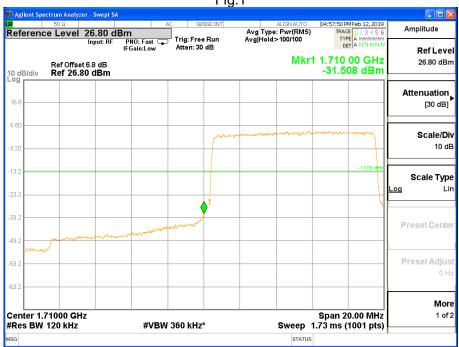
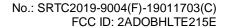


Fig.4



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Band	Carrier	Channel(D\\/	RB	RB RB Size Offset	Band EdgesPlot
Dariu	frequency (MHz)	High)		Size		QPSK
66	66 4775 433633	132622	10	1	49	Fig.1
66 1775	1775	132022	10	50	0	Fig.4



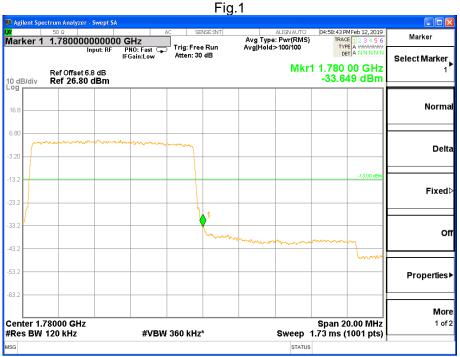
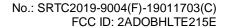


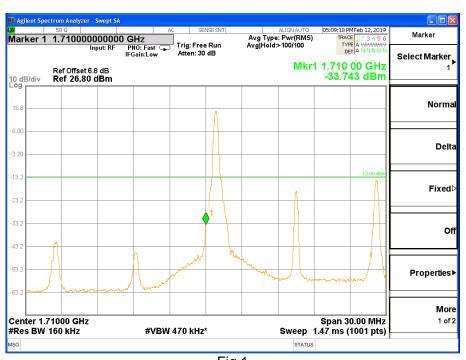
Fig.4



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Band	Carrier	Channel(D\\/	RB	RB RB Size Offset	Band EdgesPlot
Dariu	frequency (MHz)	Low)	. ' BW -	Size		QPSK
66	66 4747.5	1717.5 132047	15	1	0	Fig.1
00 1/1/	1717.5			75	0	Fig.4



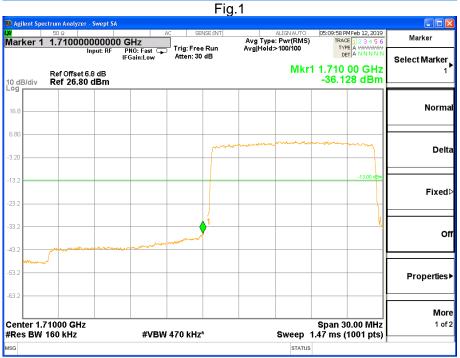
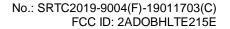


Fig.4

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Band	Carrier frequency	Channel(D/V/	RB		Band EdgesPlot
Danu	(MHz)		Size	Size Offset	QPSK	
66	66 4770 F 400F07	4.5	1	74	Fig.1	
00 17	1772.5	132597	15	75	0	Fig.4

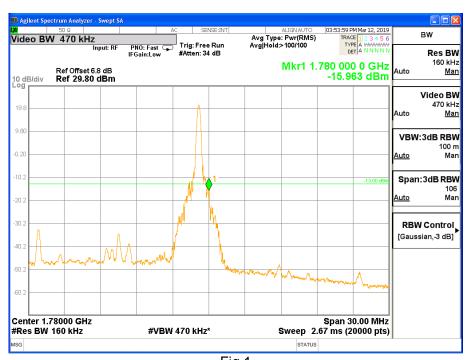
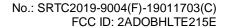




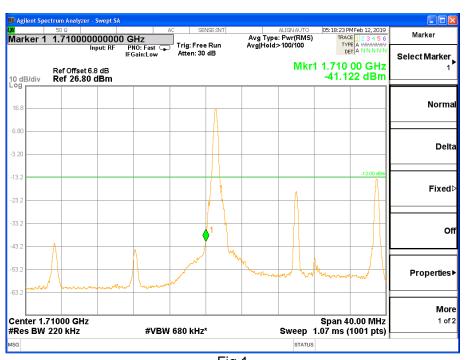
Fig.4



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Band	Carrier frequency	Channel(BW	RB	RB	Band EdgesPlot		
Dana	(MHz)	Low)	DVV	Size	ze Offset	Offset	Offset	QPSK
66	1720	132072	20	1	0	Fig.1		
90	1720	1720 132072	20	100	0	Fig.4		



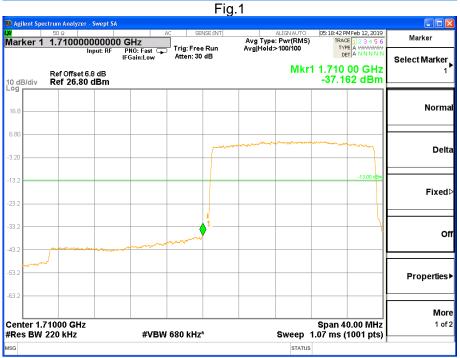
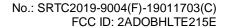


Fig.4



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Band	Carrier	Channel(BW	RB	RB	Band EdgesPlot					
Dallu	frequency (MHz)	High)	DVV	Size	Size	Size	Offset	Offset	Offset	ize Offset	QPSK
66	1770	132572	20	1	99	Fig.1					
66	1770	132372	20	100	0	Fig.4					

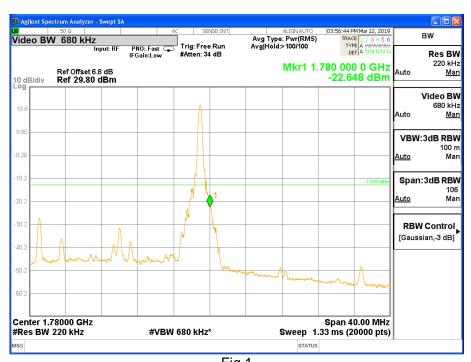




Fig.4



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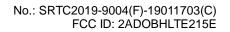
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6 Frequency Stability

Test result:

Tomporeture(°C)	Voltago	Test Result (ppm) Band66 Low Channel						
Temperature(°C)	Voltage	1.4M	3M	5M	10M	15M	20M	
0	NV	0.013	0.015	0.002	0.003	0.009	0.002	
+10	NV	-0.011	0.008	0.002	0.018	0.012	0.005	
+20	NV	0.007	0.020	-0.005	0.010	0.012	0.006	
+30	NV	0.012	0.002	0.004	0.007	0.016	0.015	
+35	NV	0.009	-0.018	0.003	-0.006	0.017	-0.009	
+20	LV	0.017	0.013	0.002	-0.005	0.016	-0.004	
+20	HV	0.013	0.013	0.017	0.005	0.019	0.014	

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel						
remperature(C)	voltage	1.4M	3M	5M	10M	15M	20M	
0	NV	0.015	-0.006	0.009	0.003	0.019	0.011	
+10	NV	0.012	0.018	0.004	0.020	0.005	0.018	
+20	NV	-0.004	0.020	-0.012	0.003	0.006	0.017	
+30	NV	0.003	0.020	-0.004	0.017	-0.003	0.006	
+35	NV	0.018	0.002	0.016	-0.008	0.018	0.016	
+20	LV	0.020	0.006	-0.017	0.016	0.012	0.018	
+20	HV	0.015	0.016	-0.007	0.017	0.019	0.010	





APPENDIX B – TEST DATA OF RADIATED EMISSION

LTE band 2 (20MHz)

Test result:

Channel 18700

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.51	-49.00	-13	Vertical
2777.49	-47.73	-13	Vertical
3725.30	-40.65	-13	Vertical
6675.33	-40.13	-13	Horizontal
9959.56	-37.84	-13	Vertical
17821.79	-34.32	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.95	-48.83	-13	Vertical
2777.36	-47.90	-13	Vertical
3726.99	-40.82	-13	Vertical
6678.52	-40.52	-13	Vertical
9964.08	-37.52	-13	Horizontal
17822.89	-34.72	-13	Vertical

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.44	-49.69	-13	Vertical
2778.34	-48.06	-13	Vertical
3727.66	-40.37	-13	Vertical
6676.44	-39.91	-13	Vertical
9961.56	-37.58	-13	Vertical
17822.09	-34.67	-13	Horizontal

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LTE band 4 (20MHz)

We chose DIV Ant to perform the test for the worst case.

Test result:

Channel 20050

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.56	-48.44	-13	Vertical
2781.57	-47.78	-13	Vertical
3728.92	-39.88	-13	Vertical
6678.42	-40.31	-13	Vertical
9961.55	-37.85	-13	Horizontal
17821.97	-34.26	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.85	-48.64	-13	Vertical
2779.41	-46.92	-13	Vertical
3728.65	-40.11	-13	Vertical
6680.37	-39.96	-13	Vertical
9962.29	-37.41	-13	Vertical
17820.46	-33.62	-13	Horizontal

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.50	-49.45	-13	Vertical
2776.59	-47.26	-13	Vertical
3728.07	-41.06	-13	Vertical
6676.34	-40.29	-13	Vertical
9962.93	-37.64	-13	Horizontal
17823.32	-35.05	-13	Vertical



LTE band 5 (10MHz)

We chose Main Ant to perform the test for the worst case.

Test result:

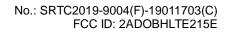
Channel 20450

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1645.59	-53.12	-13	Vertical
1667.31	-51.68	-13	Horizontal
2536.39	-44.72	-13	Vertical
2575.21	-44.07	-13	Vertical
8960.01	-39.14	-13	Vertical
9971.15	-35.97	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.05	-52.68	-13	Vertical
1663.67	-51.67	-13	Vertical
2532.20	-43.94	-13	Vertical
2575.29	-44.33	-13	Horizontal
8965.13	-39.05	-13	Vertical
9970.09	-35.81	-13	Vertical

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.27	-51.74	-13	Vertical
1666.56	-51.94	-13	Vertical
2536.23	-43.97	-13	Vertical
2576.14	-44.14	-13	Vertical
8963.20	-39.52	-13	Vertical
9970.61	-36.03	-13	Horizontal





LTE band 7 (20MHz)

Test result:

Channel 20850

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.63	-48.87	-25	Vertical
2777.85	-47.41	-25	Horizontal
3728.04	-40.12	-25	Vertical
6677.95	-39.42	-25	
9958.55	-37.15	-25	Vertical
17821.00	-35.10	-25	Vertical

Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.94	-48.99	-25	Horizontal
2776.34	-48.05	-25	Vertical
3728.74	-40.45	-25	Vertical
6676.79	-40.04	-25	Vertical
9962.98	-37.86	-25	Vertical
17824.71	-35.08	-25	Vertical

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.38	-48.89	-25	Vertical
2780.26	-47.69	-25	Vertical
3729.93	-40.08	-25	Vertical
6676.01	-40.08	-25	Vertical
9961.40	-37.17	-25	Horizontal
17821.66	-34.29	-25	Vertical



LTE band 12 (10MHz)

We chose Main Ant to perform the test for the worst case.

Test result:

Channel 23060

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.38	-53.24	-13	Vertical
1667.76	-51.13	-13	Horizontal
2533.29	-44.03	-13	Vertical
2577.80	-44.40	-13	Vertical
8963.76	-39.41	-13	Vertical
9970.64	-36.38	-13	Vertical

Channel 23095

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1644.82	-52.40	-13	Horizontal
1663.82	-51.60	-13	Vertical
2534.44	-43.97	-13	Vertical
2577.47	-43.80	-13	Vertical
8960.66	-39.52	-13	Vertical
9969.28	-36.43	-13	Vertical

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.55	-52.78	-13	Vertical
1665.85	-50.68	-13	Horizontal
2531.63	-43.38	-13	Horizontal
2575.04	-43.94	-13	Vertical
8966.13	-40.09	-13	Vertical
9969.13	-35.70	-13	Vertical



LTE band 66 (20MHz)

We chose DIV Ant to perform the test for the worst case.

Test result:

Channel 132072

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.03	-49.25	-13	Vertical
2779.73	-47.01	-13	Horizontal
3724.55	-41.24	-13	Vertical
6678.26	-39.22	-13	Vertical
9961.20	-37.60	-13	Vertical
17823.90	-34.49	-13	Vertical

Channel 132322

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.24	-49.08	-13	Vertical
2778.13	-47.82	-13	Vertical
3726.90	-40.79	-13	Vertical
6678.92	-40.15	-13	Vertical
9957.03	-37.15	-13	Vertical
17822.93	-34.12	-13	Horizontal

Channel 132572

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.26	-48.36	-13	Vertical
2780.96	-48.05	-13	Vertical
3729.77	-40.53	-13	Vertical
6675.78	-39.42	-13	Vertical
9962.09	-36.77	-13	Horizontal
17822.87	-34.93	-13	Vertical

---End of Test Report---

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