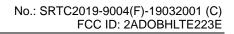


# APPENDIX A – TEST DATA OF CONDUCTED EMISSION LTE Band 4 1 RF Power Output

## Antenna Gain=-1.5dBi

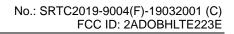
Antenna Ga						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
				1	0	
	1710.7	19957  20175  1.4  20175  1.4  20393  1.4  20393  1.4  20393  1.4  20393  1.4  20393  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4  20175  1.4				
					(dBm)   0   22.50     5   22.50     2   22.18     0   22.16     0   22.56     2   22.21     0   22.17     0   22.56     2   22.25     0   22.19     Conducted power (dBm)   0   22.40     2   21.50     0   21.41     0   22.43     2   21.37     0   21.33     0   22.46     2   21.39     0   21.35     Conducted power (dBm)   0   22.46     2   21.39     0   21.35     Conducted power (dBm)   0   22.36     5   22.36     2   21.31     0   21.29     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0   22.36     5   22.36     2   21.33     0     22.36     2   21.33	
			<u> </u>			
QPSK	1732.5	20175	14			
α. σ. τ	1102.0	20110				
				6	0	22.17
				1	0	22.56
	4754.0	20202		1	5	22.56
	1754.3	20393		3	2	22.25
				6	0	22.19
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
				1		
	1710.7	10057				
	1710.7	19901				
16QAM	1732.5	20175	14			
100,	1102.0	20110				
				1 5 22.56 3 2 22.21 6 0 22.17 1 0 22.56 1 5 22.56 3 2 22.25 6 0 22.19 Conducted power (dBm) 1 0 22.40 1 5 22.40 3 2 21.50 6 0 21.41 1 0 22.43 1 5 22.43 3 2 21.37 6 0 21.33 1 0 22.46 1 5 22.46 3 2 21.39 6 0 21.35 Conducted power (dBm) 1 0 22.46 3 2 21.37 6 0 21.33 1 0 22.46 1 5 22.46 3 2 21.39 6 0 21.35 Conducted power (dBm) 1 0 22.36 3 2 21.31 6 0 21.29 1 0 22.36 3 2 21.31 6 0 21.29 1 0 22.36 3 2 21.33 6 0 21.27		
	1754.3	20393				
				ь	U	
Modulation	Carrier frequency (MHz)	III Channal	DIM	DD Sizo	DP Offcot	
Modulation	Carrier frequency (wiriz)	OL Charine	DVV	ND SIZE	KD Oliset	
				1	0	
				_		
	1710.7	19957			2	
040484	4700 5	00475				
64QAM	1732.5	20175	1.4			
				1	0	
	1754 2	20202		1	5	22.38
	1754.3	20393		3	2	21.30
				6	0	21.27

Fax:86-10-57996388





						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
						(dBm)
				1	0	22.54
	1711.5	19965		1	14	22.54
				8	4	22.22
				15	0	22.20
				1	0	22.63
QPSK	1732.5	20175	3	1	14	22.63
<u> </u>				8	4	22.28
				15	0	22.24
				1	0	22.62
	1753.5	20385		1	14	22.62
	1700.0	20000		8	4	22.31
				15	0	22.25
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
						(dBm)
				1	0	22.44
	1711.5	19965		1	14	22.44
	1711.0	10000		8	4	21.54
				15	0	21.45
				1	0	22.50
16QAM	1732.5	20175	3	1	14	22.50
100/11/1	1732.3	20173		8	4	21.44
				15	0	21.40
				1	0	22.52
	1753.5	20385		1	14	22.52
	1733.3	20303		8	4	21.45
				15	0	21.41
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
						(dBm)
				1	0	22.40
	1711.5	19965		1	14	22.40
	1711.5	19905		8	4	21.35
				15	0	21.33
				1	0	22.43
64QAM	1732.5	20175	3	1	14	22.43
U+Q/NIVI	1732.3	20173	٦	8	4	21.40
			8 4 21.4	21.34		
				1	0	22.44
	1752 5	20385		1	14	22.44
	1753.5	20303		8	4	21.36
				15	0	21.33





Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
				1	0	22.65
				1	24	22.65
	1712.5	19975		12	6	22.33
				25	0	22.31
				1	0	22.69
				1	24	22.69
QPSK	1732.5	20175	5	12	6	22.34
				25	0	22.30
			}	1	0	22.66
				1	24	22.66
	1752.5	20375		12	6	22.35
				25	0	22.29
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
	Camile in Equation (iiii i=)					(dBm)
				1	0	22.55
				1	24	22.55
	1712.5	19975		12	6	21.65
				25	0	21.56
				1	0	22.56
			_	1	24	22.56
16QAM	1732.5	20175	5	12	6	21.50
				25	0	21.46
				1	0	22.56
				1	24	22.56
	1752.5	20375		12	6	21.49
				25	0	21.45
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
				4	0	(dBm)
				1	0	22.51
	1712.5	19975		1	24	22.51
				12	6	21.46
				25	0	21.44
				1	0	22.49
64QAM	1732.5	20175	5	1	24	22.49
				12	6	21.46
		25	0	21.40		
			1	1	0	22.48
	1752.5	20375		1	24	22.48
				12	6	21.40
				25	0	21.37

Page number: 70 of 206



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
				1	0	22.70
	471E	20000		1	49	22.70
	1715	20000	10	22.38		
				50	0	22.36
				1	0	22.74
QPSK	1722 5	20175	10	1	49	22.74
QPSN	1732.5	20175	10	24	12	22.39
				50	0	22.35
				1	0	
	4750	00050		1	49	22.76
	1750	20350		24	12	22.45
				50	0	22.39
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	
	. , ,					•
				1	0	
	4745	00000		1	49	22.60
	1715	20000		24	12	21.70
				50	0	
			}		0	
400414	4700 5	00475	4.0	1	49	
16QAM	1732.5	20175	10	24	12	
						22.38 22.36 22.74 22.74 22.39 22.35 22.76 22.76 22.45 22.39 Conducted power (dBm) 22.60 21.70 21.61 22.61 22.61 22.61 22.61 22.66 22.66 21.55 21.51 22.66 21.59 21.55 Conducted power (dBm) 22.66 22.66 21.59 21.55 Conducted power (dBm) 22.56 22.56 22.56 21.51 21.49 22.54 22.54 22.54 22.58
					0	
	4750	00050				
	1750	20350		24	12	
					0	
						Conducted
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power
						(dBm)
				1	0	22.56
	4745	20000		1	49	22.56
	1715	20000		24	12	21.51
				1	0	22.54
640000	1700 5	20475	40			
64QAM	1732.5	20175 10 24 12				
	4750					
	1750	20350		24	12	
				50	0	

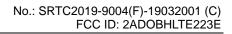
V1.0.0

Page number: 71 of 206



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)		
				1	0	22.75		
	1717 5	20025		1	74	22.75		
	1717.5	20025	15	22.43				
				75	0	22.41		
				1	0	22.73		
QPSK	1732.5	20175	15	1	74	22.73		
QPSK	1732.5	20175	15	40	18	22.38		
				75	0	22.34		
				1	0	22.80		
	4747 5	00005		1	74	22.80		
	1747.5	20325		40	18	22.49		
				75	0	22.43		
						Conducted		
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power		
	, , ,							
				1	0			
	4747 5	00005		1	74	22.65		
	1717.5	20025		40	18	21.75		
				75	0	21.66		
				1	0			
400 414	4700 5	00475	4-	1	74			
16QAM	1732.5	20175	15	40	18			
								22.75 22.43 22.41 22.73 22.73 22.38 22.34 22.80 22.80 22.49 22.43 Conducted power (dBm) 22.65 21.75 21.66 22.60 21.54 21.50 22.70 22.70 21.63 21.59 Conducted power (dBm) 22.61 22.61 22.61 22.61 22.63 21.54 21.50 22.70
					0			
	4747.5	00005						
	1747.5	20325		40	18	21.63		
						Conducted		
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power		
						(dBm)		
				1	0	22.61		
	4747 5	20025		1	74	22.61		
	1717.5	20025		40	18	21.56		
				1	0	22.53		
640084	4700 5	20475	4.5	1				
64QAM	1732.5	20175	1/5   15					
	4747.5	00005		-				
	1747.5	20325						
				75	0			

Page number: 72 of 206





Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)		
				1	0	22.87		
	1720	20050		1	99	22.87		
	1720	20050		50	(dBm)   (dBm)   (dBm)	22.55		
				100	0			
				1	0	22.88		
QPSK	1732.5	20175	20	1	99	22.88		
QFSK	1732.3	20173	20	50	25	22.53		
				100	0	22.49		
				1	0	22.89		
	1745	20300		1	99	22.89		
	1745	20300		50	25	22.58		
				100	0	22.52		
						Conducted		
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	power		
				1				
	1720	20050		1				
	1720	20030		50	25			
				100	0			
				1	0	22.75		
16QAM	1732.5	20175	20	1		22.75		
IOQAW	1732.3	20173	20175	20	20	50	25	21.69
				100	0       22.87         99       22.87         25       22.55         0       22.88         99       22.88         25       22.53         0       22.49         0       22.89         99       22.89         25       22.58         0       22.52         Conducted power (dBm)         0       22.77         25       21.87         0       21.78         0       22.75         25       21.69         0       21.65         0       21.65         0       21.68         Conducted power (dBm)       22.79         25       21.72         0       21.68         Conducted power (dBm)       22.73         25       21.68         0       22.73         25       21.68         0       22.68         25       21.65         0       22.68         25       21.65         0       22.71         99       22.71	21.65		
				1	0			
	1745	20300		1				
	1745	20300		50				
				100	0			
						Conducted		
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset			
				1				
	1720	20050		1				
	23	20000		50				
				100				
				1				
64QAM	1732.5	20175	20	1				
	1732.5			50				
				100				
	1745			1				
		20300		1				
		20300		50				
				100	0	21.60		

Page number: 73 of 206

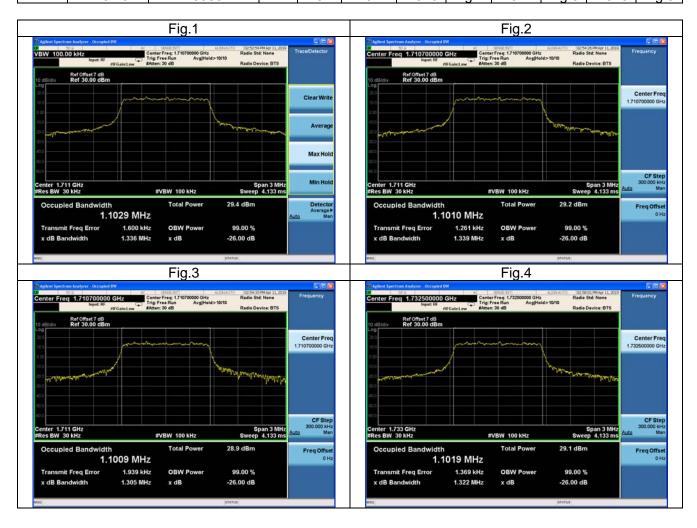


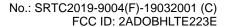
# 2 Occupied Bandwidth

## Test result

Band	Carrier frequency	Channel(Low)	BW	RB	RB	Bandwidth of 99% Power (MHz)							
Danu	(MHz)	Charmer(Low)	DVV	Size	Offset	QPSK		16-Q	AM	64-QAM			
4	1710.7	19957	1.4	6	0	1.1029	Fig.1	1.1010	Fig.2	1.1009	Fig.3		
4	1732.5	20175	1.4	6	0	1.1019	Fig.4	1.0990	Fig.5	1.1048	Fig.6		
4	1754.3	20393	1.4	6	0	1.1040	Fig.7	1.1004	Fig.8	1.1019	Fig.9		

Band	Carrier	Channel(Low)	BW	RB	RB	Bandwidth of -26dB transmitter power (MHz)						
Danu	frequency (MHz)	Chamer(Low)	Siz	Size	Offset	QPSK		16-C	MA	64-QAM		
4	1710.7	19957	1.4	6	0	1.336	Fig.1	1.339	Fig.2	1.305	Fig.3	
4	1732.5	20175	1.4	6	0	1.322	Fig.4	1.325	Fig.5	1.326	Fig.6	
4	1754.3	20393	1.4	6	0	1.340	Fig.7	1.321	Fig.8	1.318	Fig.9	

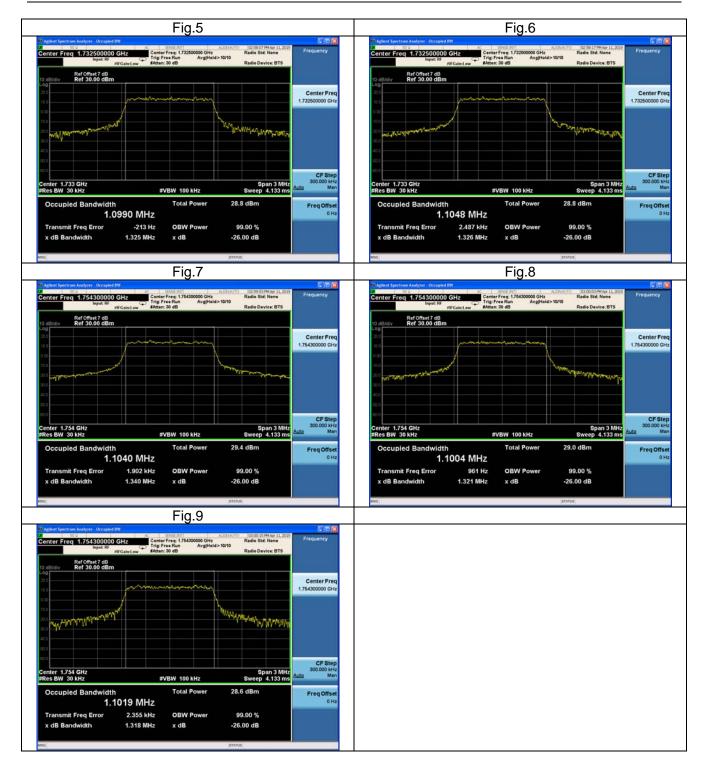




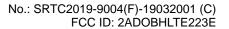
Page number: 75 of 206

V1.0.0





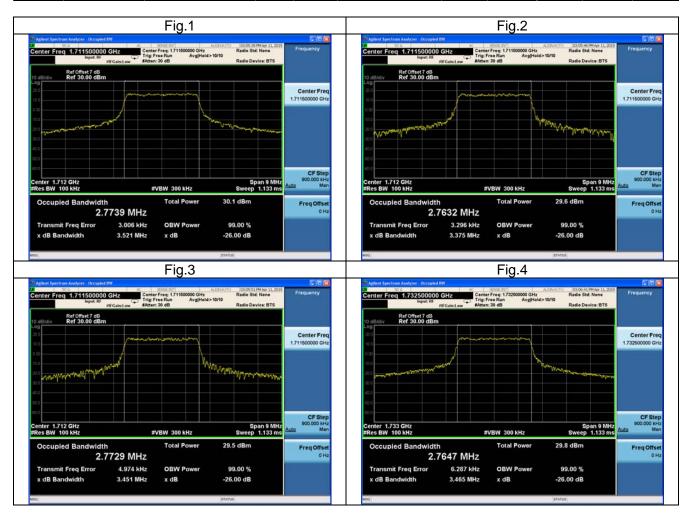
Fax:86-10-57996388

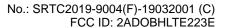




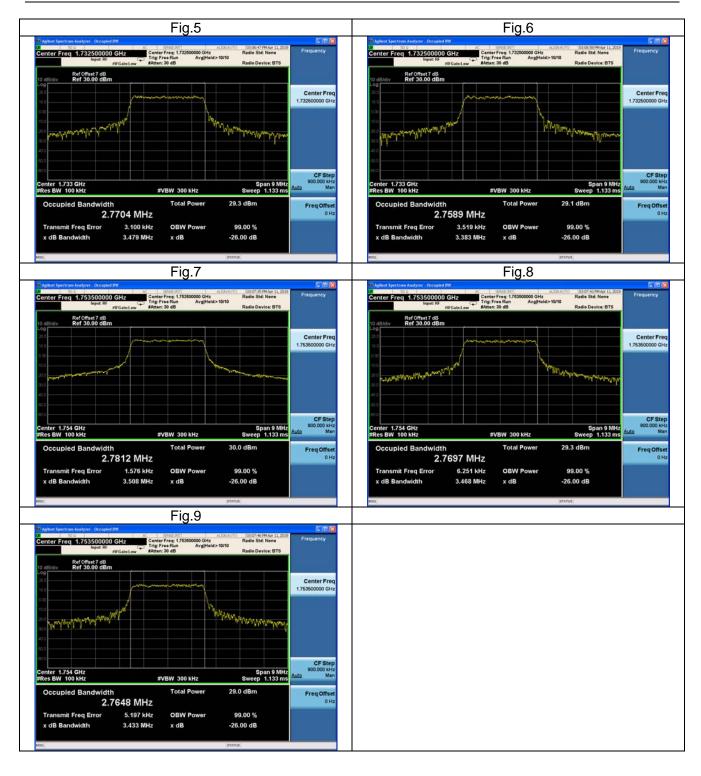
Pand	Carrier frequency	Channel(Low)	BW	RB	RB		Bandwi	dth of 99%	% Powe	er (MHz)	
Band	(MHz)	Channel(Low)	DVV	Size	Offset	QPSK		16-QAM		64-QAM	
4	1711.5	19965	3	15	0	2.7739 Fig.1		2.7632	Fig.2	2.7729	Fig.3
4	1732.5	20175	3	15	0	2.7647	Fig.4	2.7704	Fig.5	2.7589	Fig.6
4	1753.5	20385	3	15	0	2.7812 Fig.7		2.7697	Fig.8	2.7648	Fig.9

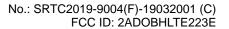
Band	Carrier frequency	Channel(Low)	D\//	RB	RB Officer	Bar	Bandwidth of -26dB transmitter power (MHz)						
Danu	(MHz)	Channel(Low)	nnel(Low) BW		Offset	QP	SK	16-QAM		64-QAM			
4	1711.5	19965	3	15	0	3.521	Fig.1	3.375	Fig.2	3.451	Fig.3		
4	1732.5	20175	3	15	0	3.465	Fig.4	3.479	Fig.5	3.383	Fig.6		
4	1753.5	20385	3	15	0	3.508	Fig.7	3.468	Fig.8	3.433	Fig.9		









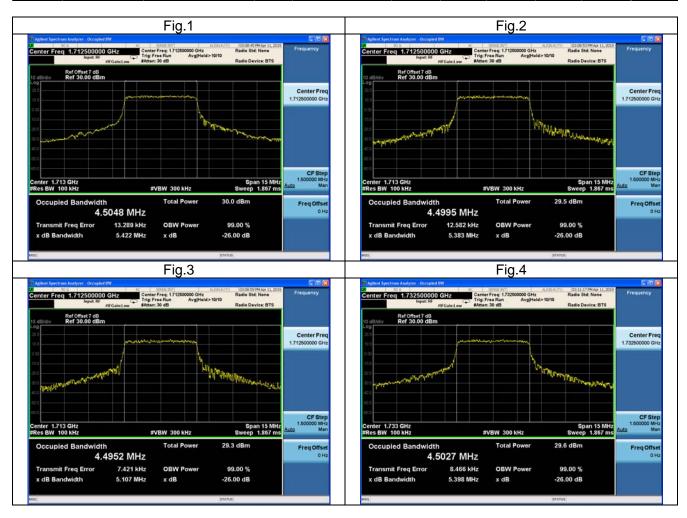


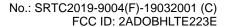
Page number: 78 of 206



Band	Carrier frequency	Channel(Low)	RW I	RB	RB	I	Bandwi	ndwidth of 99% Power (MHz)					
Danu	(MHz)	Charmer(Low)		Offset	QPSK		16-Q	AM	64-QAM				
4	1712.5	19975	5	25	0	4.5048 Fig.1		4.4995	Fig.2	4.4952	Fig.3		
4	1732.5	20175	5	25	0	4.5027	Fig.4	4.5021	Fig.5	4.4910	Fig.6		
4	1752.5	20375	5	25	0	4.5032 Fig.7		4.4940	Fig.8	4.4978	Fig.9		

Band	Carrier frequency	Channel(Low)	DW.	RB	RB Officer	Bandwidth of -26dB transmitter power (MHz)						
Danu	(MHz)	Charmer(Low)	BW Size Offset		QPSK		16-QAM		64-QAM			
4	1712.5	19975	5	25	0	5.422	Fig.1	5.383	Fig.2	5.107	Fig.3	
4	1732.5	20175	5	25	0	5.398	Fig.4	5.396	Fig.5	5.016	Fig.6	
4	1752.5	20375	5	25	0	5.409	Fig.7	5.306	Fig.8	5.088	Fig.9	

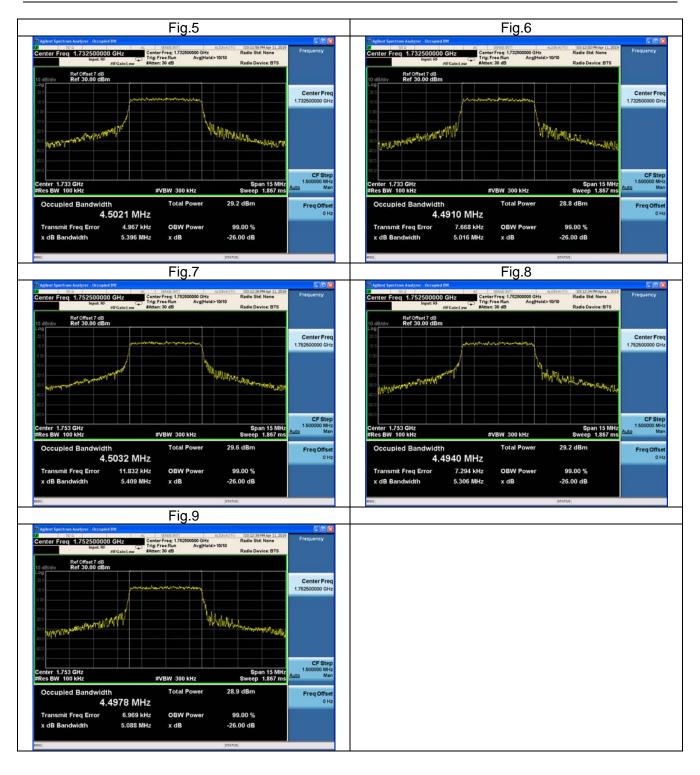




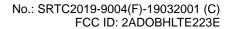
Page number: 79 of 206

V1.0.0





Fax:86-10-57996388

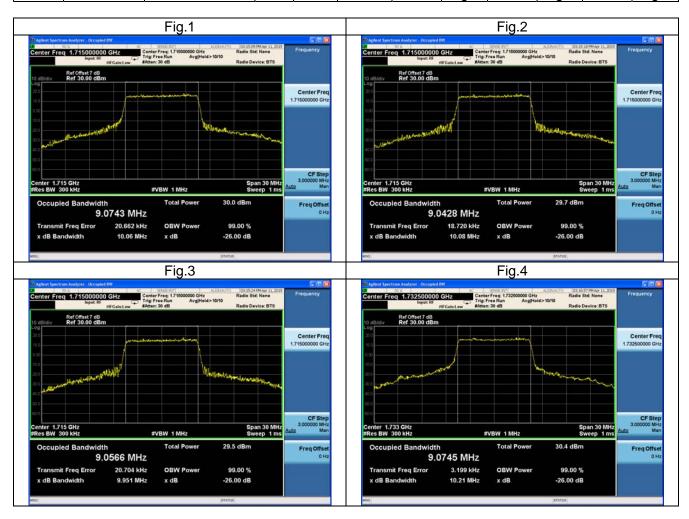


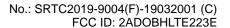
Page number: 80 of 206



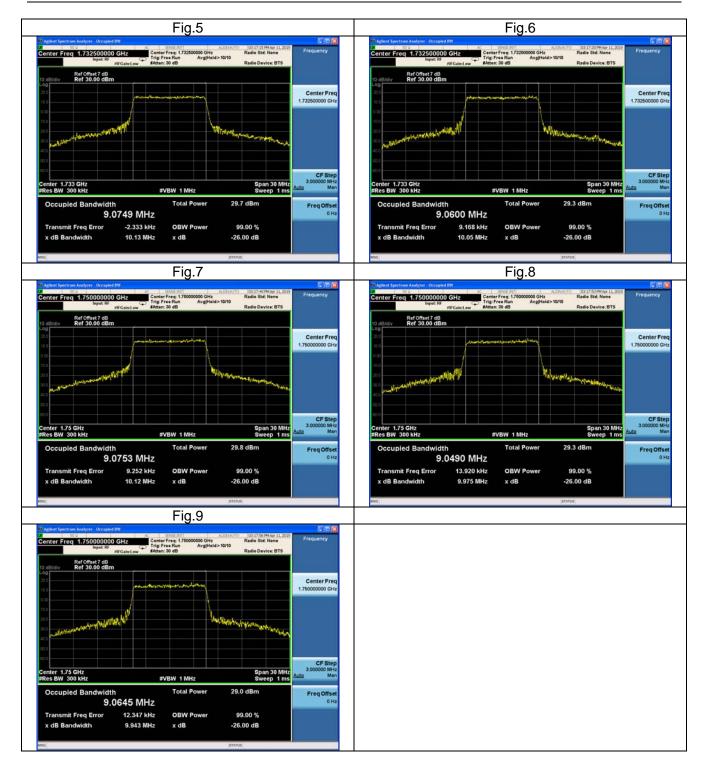
Band	Carrier frequency (MHz)	Channel(Low)	BW	RB	RB		Bandwidth of 99% Power (MHz)					
Danu			DVV	Size	Offset	QPS	SK	16-Q	AM	64-Q	AM	
4	1715	20000	10	50	0	9.0743	Fig.1	9.0428	Fig.2	9.0566	Fig.3	
4	1732.5	20175	10	50	0	9.0745	Fig.4	9.0749	Fig.5	9.0600	Fig.6	
4	1750	20350	10	50	0	9.0753	Fig.7	9.0490	Fig.8	9.0645	Fig.9	

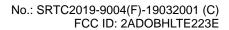
Pand	Carrier	Channel(Low)	BW RB Size	RB	RB	Bandwidth of -26dB transmitter power (MHz)						
Band	frequency (MHz)	Chamilei(LOW)		Size	Offset	QP	SK	16-C	QAM	64-0	QAM	
4	1715	20000	10	50	0	10.06	Fig.1	10.08	Fig.2	9.951	Fig.3	
4	1732.5	20175	10	50	0	10.21	Fig.4	10.13	Fig.5	10.05	Fig.6	
4	1750	20350	10	50	0	10.12	Fig.7	9.975	Fig.8	9.943	Fig.9	









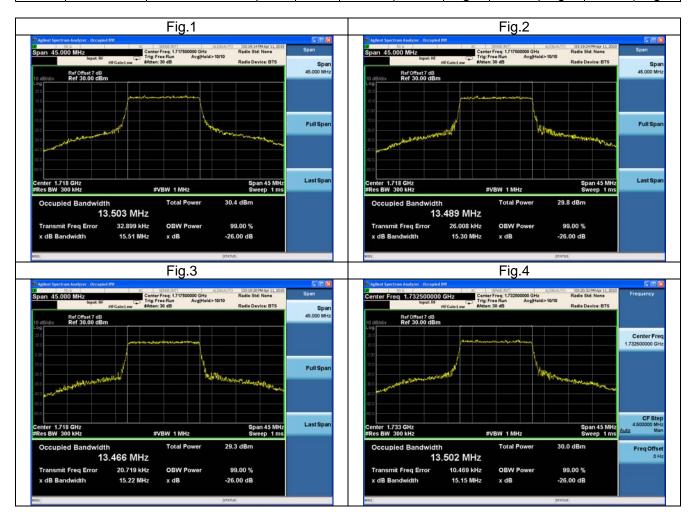


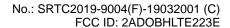
Page number: 82 of 206



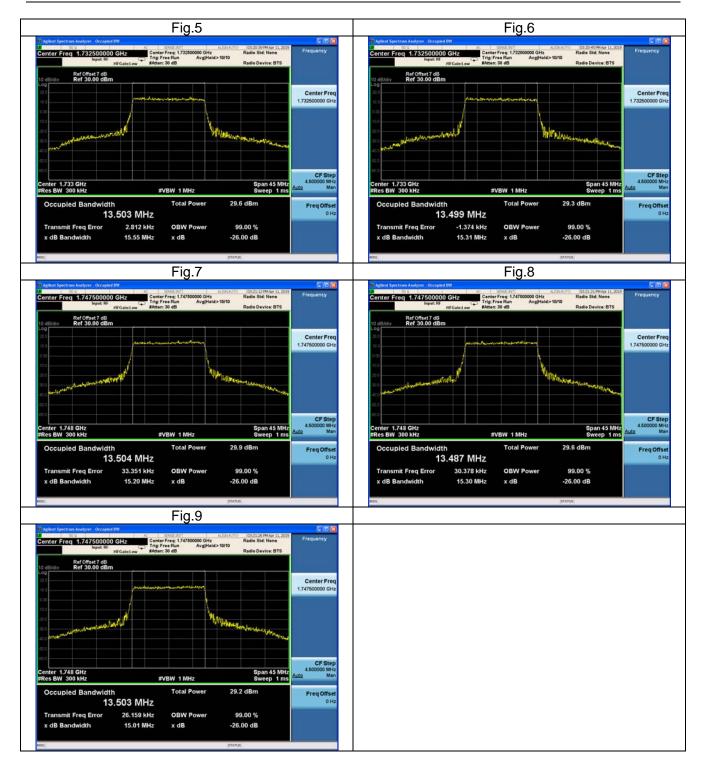
Band	Carrier frequency (MHz)	Channel(Low)	BW	RB	RB	I	Bandwidth of 99% Power (MHz)					
Danu			DVV	Size	Offset	QPS	SK	16-Q	AM	64-Q	AM	
4	1717.5	20025	15	75	0	13.503	Fig.1	13.489	Fig.2	13.466	Fig.3	
4	1732.5	20175	15	75	0	13.502	Fig.4	13.503	Fig.5	13.499	Fig.6	
4	1747.5	20325	15	75	0	13.504	Fig.7	13.489	Fig.8	13.503	Fig.9	

Band	Carrier	Channel(Low)	D\M	BW RB Size	RB							
Danu	frequency (MHz)	Chamilei(LOW)	DVV		Offset	QP	SK	16-C	QAM	64-C	QAM	
4	1717.5	20025	15	75	0	15.51	Fig.1	15.30	Fig.2	15.22	Fig.3	
4	1732.5	20175	15	75	0	15.15	Fig.4	15.55	Fig.5	15.31	Fig.6	
4	1747.5	20325	15	75	0	15.20	Fig.7	15.30	Fig.8	15.01	Fig.9	

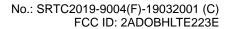








Fax:86-10-57996388

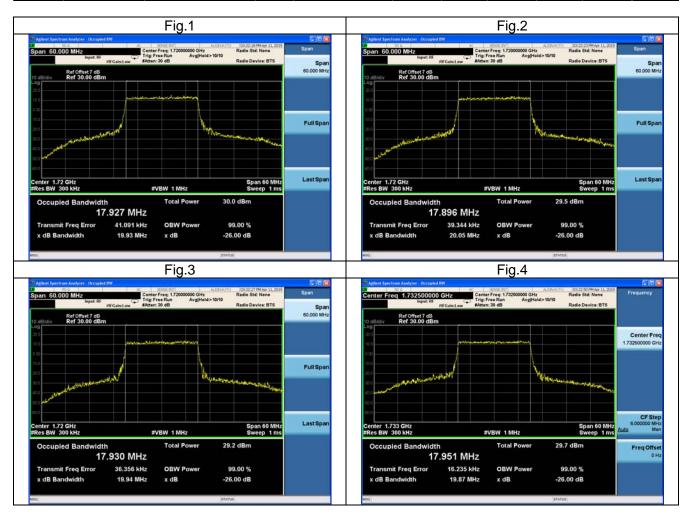


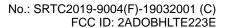
Page number: 84 of 206



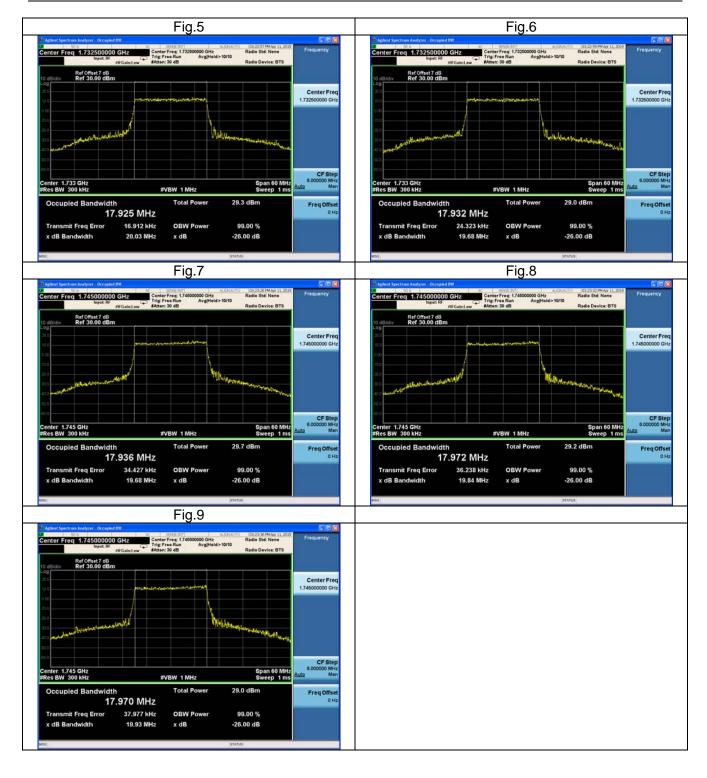
Dond	Carrier frequency	Channel(Low)	BW	RB	RB	I	Bandwidth of 99% Power (MHz)				
Band	(MHz)	Channel(Low)	DVV	Size	Size Offset	QPS	QPSK		AM	64-QAM	
4	1720	20050	20	100	0	17.927	Fig.1	17.896	Fig.2	17.930	Fig.3
4	1732.5	20175	20	100	0	17.951	Fig.4	17.925	Fig.5	17.932	Fig.6
4	1745	20300	20	100	0	17.936	Fig.7	17.972	Fig.8	17.970	Fig.9

Band	Carrier	Channel(Low)	DW.	BW RB Size	RB	Bar	ndwidth	of -26dE (MI		nitter po	wer
Danu	frequency (MHz)	Chamilei(LOW)	DVV		Offset	QP	SK	16-C	QAM	64-C	QAM
4	1720	20050	20	100	0	19.93	Fig.1	20.05	Fig.2	19.94	Fig.3
4	1732.5	20175	20	100	0	19.87	Fig.4	20.03	Fig.5	19.68	Fig.6
4	1745	20300	20	100	0	19.68	Fig.7	19.84	Fig.8	19.93	Fig.9

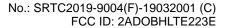








Fax:86-10-57996388





### 3 Peak-Average Ratio

#### Test result:



Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 4-mid Channel)





Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 4-mid Channel)

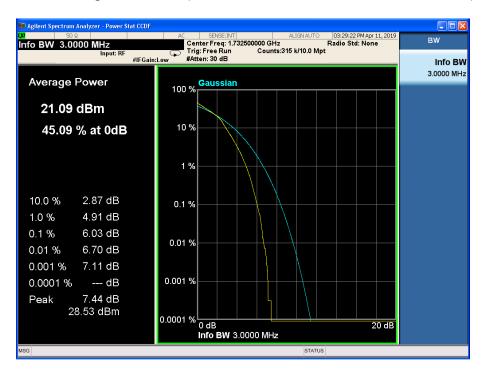


Peak-Average Ratio Plot(3MHz BW,QPSK,Band 4-mid Channel)





Peak-Average Ratio Plot(3MHz BW,16QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(3MHz BW,64QAM,Band 4-mid Channel)





Peak-Average Ratio Plot(5MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 4-mid Channel)

Page number: 89 of 206





Peak-Average Ratio Plot(5MHz BW,64QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 4-mid Channel)





Peak-Average Ratio Plot(10MHz BW,16QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(10MHz BW,64QAM,Band 4-mid Channel)

Page number: 91 of 206





Peak-Average Ratio Plot(15MHz BW,QPSK,Band 4-mid Channel)



Peak-Average Ratio Plot(15MHz BW,16QAM,Band 4-mid Channel)





Peak-Average Ratio Plot(15MHz BW,64QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 4-mid Channel)



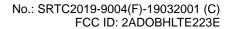


Peak-Average Ratio Plot(20MHz BW,16QAM,Band 4-mid Channel)



Peak-Average Ratio Plot(20MHz BW,64QAM,Band 4-mid Channel)

Page number: 94 of 206





4 Spurious Emissions at antenna terminal

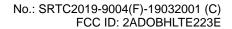
Band	Carrier	Channel	BW	RB	RB	Conducted Spurious Plot
Dallu	frequency (MHz)	(Low)	DVV	Size	Offset	QPSK
4	1720	20050	20	1	0	Fig.1



Fig.1

V1.0.0

Page number: 95 of 206





Band	Carrier	Channel	BW	RB	RB	Conducted Spurious Plot
Dariu	frequency (MHz)	(Mid)	DVV	Size	Offset	QPSK
4	1732.5	20175	20	1	0	Fig.4



Fia.1

				= =	9	
Band	Carrier	Channel	BW	RB	RB	Conducted Spurious Plot
Danu	frequency (MHz)	(High)	DVV	Size	Offset	QPSK
4	1745	20300	20	1	0	Fig.1



Fig.1



# **5 Band Edges Compliance**

## Test result

Band	Carrier	Channel	DW	BW RB R	RB	Band EdgesPlot
Danu	frequency (MHz)	(Low)	(Low) BVV S	Size	Offset	QPSK
4	1710.7	10057	1.4	1	0	Fig.1
4	1710.7	19957	1.4	6	0	Fig.4

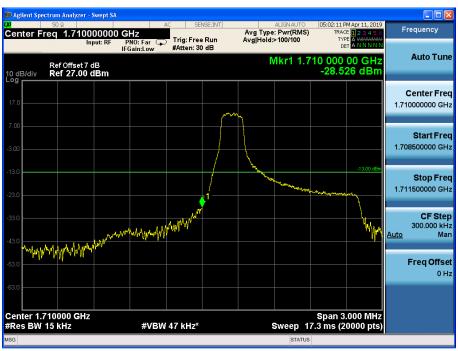


Fig.1

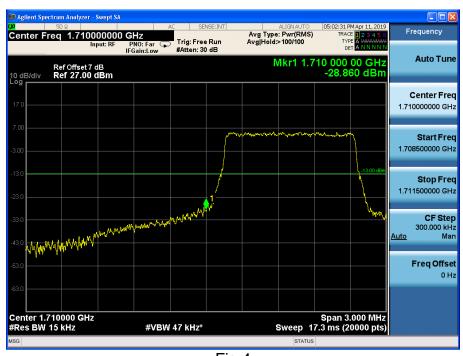
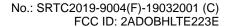


Fig.4

Page number: 97 of 206





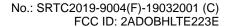
	Band	Carrier	Channel	I RW I	RB	Band EdgesPlot	
	Band	frequency (MHz)	(High)		Size	Offset	QPSK
ĺ	4	17542	20202	1.4	1	0	Fig.1
	4	1754.3	20393	1.4	6	0	Fig.4



Fig.1



Fig.4





De	and	Carrier	Channel	BW RB RB	_	Band EdgesPlot	
Do	anu	frequency (MHz)	(Low)	DVV	Size C	Offset	QPSK
	4	1711 5	10065	2	1	0	Fig.1
	4	1711.5	19965	3	15	0	Fig.4

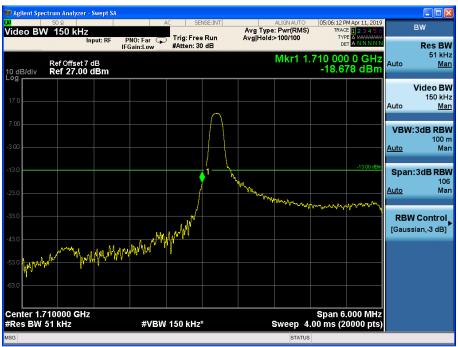
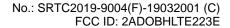


Fig.1



Fig.4

Page number: 99 of 206





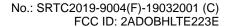
Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
Dallu						QPSK	
4	1752 5	20295	2	1	0	Fig.1	
4	1753.5	20385	3	15	0	Fig.4	



Fig.1



Fig.4





Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
Danu						QPSK	
4	1712.5	10075	5	1	0	Fig.1	
4	1712.5	19975	3	25	0	Fig.4	

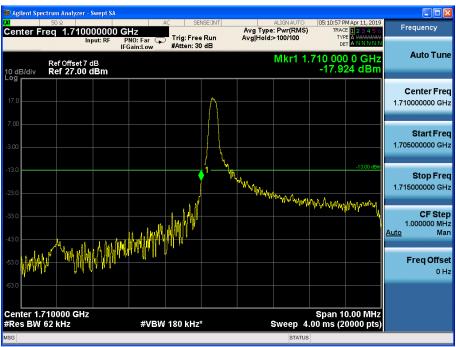
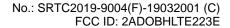


Fig.1



Fig.4





Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
Dallu						QPSK	
4	1752.5	20275	5	1	0	Fig.1	
4	1752.5	20375		25	0	Fig.4	

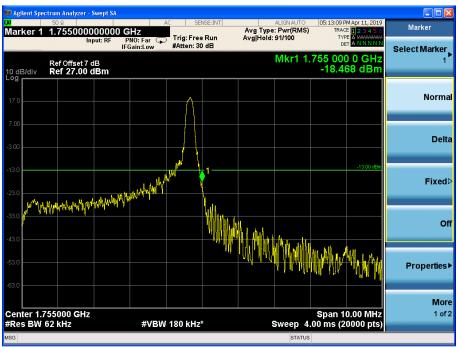
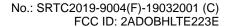


Fig.1



Fig.4





	Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
	Danu						QPSK	
ĺ	4	1715	20000	10	1	0	Fig.1	
	4				50	0	Fig.4	

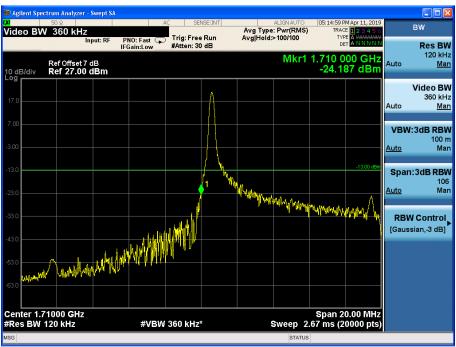
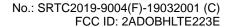


Fig.1



Fig.4

Page number: 103 of 206



Page number: 104 of 206



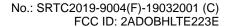
	Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
	Danu						QPSK	
ĺ	4	1750	20350	10	1	0	Fig.1	
	4				50	0	Fig.4	



Fig.1



Fig.4





	Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
	Danu						QPSK	
ĺ	4	1717 5	5 20025 1		1	0	Fig.1	
	4	1717.5	20025	13	75	0	Fig.4	

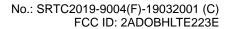


Fig.1



Fig.4

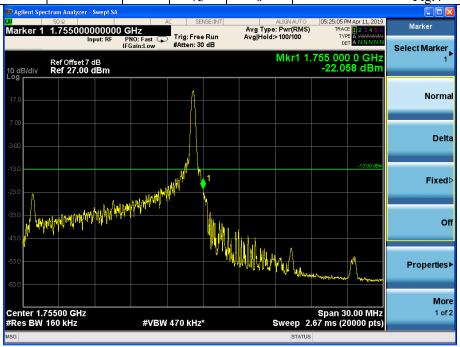
Page number: 105 of 206



Page number: 106 of 206



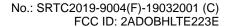
	Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
	Danu						QPSK	
ĺ	1	1747 5	5 20225 15		1	0	Fig.1	
	4	1747.5	20325	13	75	0	Fig.4	



94 Fig.1



Fig.4





Band	Carrier	Channel	nel BW RB RB Offset	Band EdgesPlot		
Dallu	frequency (MHz)	(Low)		Size	Offset	QPSK
4	1720	20050 20	20	1	0	Fig.1
4	1720		20	100	0	Fig.4

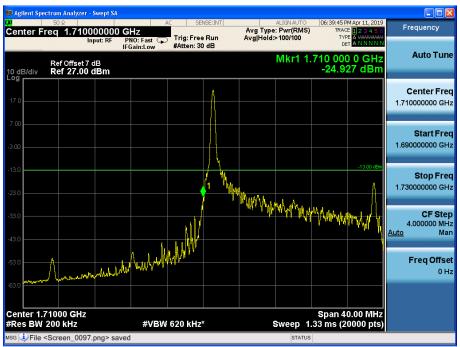
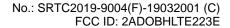


Fig.1



Fig.4





	Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
	Danu						QPSK	
ĺ	1	1745	20300	20	1	0	Fig.1	
	4	1745			100	0	Fig.4	

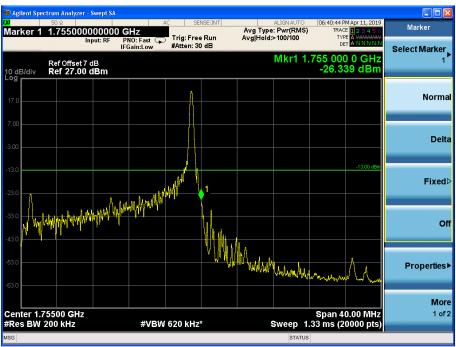
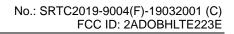


Fig.1



Fig.4





# **6 Frequency Stability**

# Test result:

Tomporaturo(°C)	Voltage		Test Result (ppm) Band4 Low Channel								
Temperature(°C)	voltage	1.4M	3M	5M	10M	15M	20M				
0	NV	0.012	0.002	0.003	0.000	0.005	0.004				
+10	NV	0.000	-0.015	0.005	-0.012	0.012	-0.012				
+20	NV	-0.001	-0.004	0.002	-0.008	-0.012	0.008				
+30	NV	0.003	-0.009	-0.010	-0.001	0.007	0.011				
+40	NV	-0.006	0.002	-0.011	-0.008	-0.005	0.014				
+50	NV	0.018	0.012	-0.008	0.009	0.013	0.010				
+55	NV	-0.025	0.006	-0.009	-0.010	-0.004	-0.014				
+20	LV	0.022	0.013	0.005	-0.008	-0.007	-0.006				
+20	HV	-0.008	0.014	0.005	0.010	0.009	0.003				

Tomporoturo(°C)	Voltage		Test Result (ppm) Band4 High Channel								
Temperature(°C)	vollage	1.4M	3M	5M	10M	15M	20M				
0	NV	0.001	-0.024	-0.020	-0.019	-0.013	0.002				
+10	NV	-0.014	0.025	-0.002	-0.013	-0.002	-0.011				
+20	NV	0.001	0.007	0.013	0.003	-0.009	0.005				
+30	NV	-0.013	-0.004	-0.014	0.010	-0.003	-0.004				
+40	NV	0.017	0.007	-0.009	-0.010	-0.009	0.012				
+50	NV	0.001	-0.002	-0.008	0.008	-0.009	0.006				
+55	NV	0.020	0.013	0.006	-0.006	-0.010	0.000				
+20	LV	0.018	-0.009	0.000	-0.014	-0.003	-0.005				
+20	HV	0.013	0.012	-0.003	-0.003	-0.001	-0.004				

V1.0.0

Page number: 109 of 206