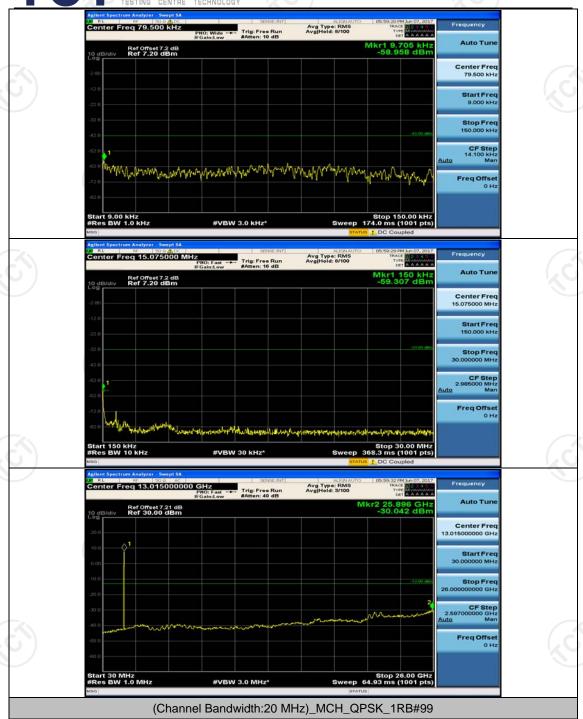
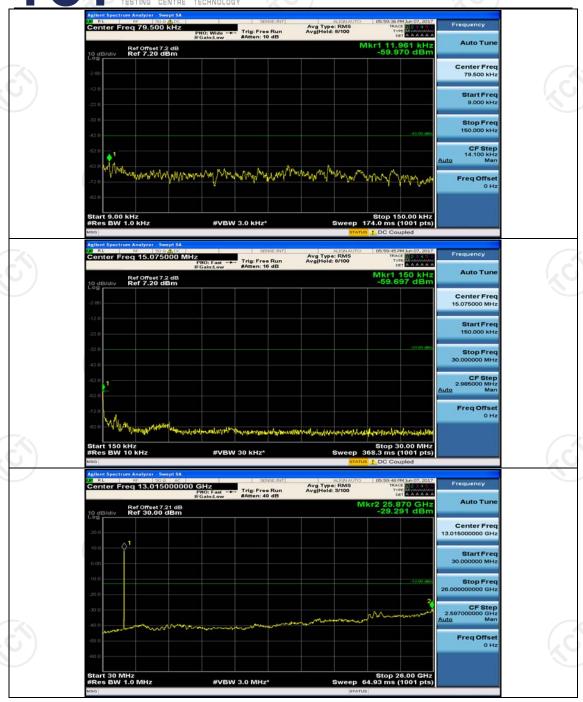
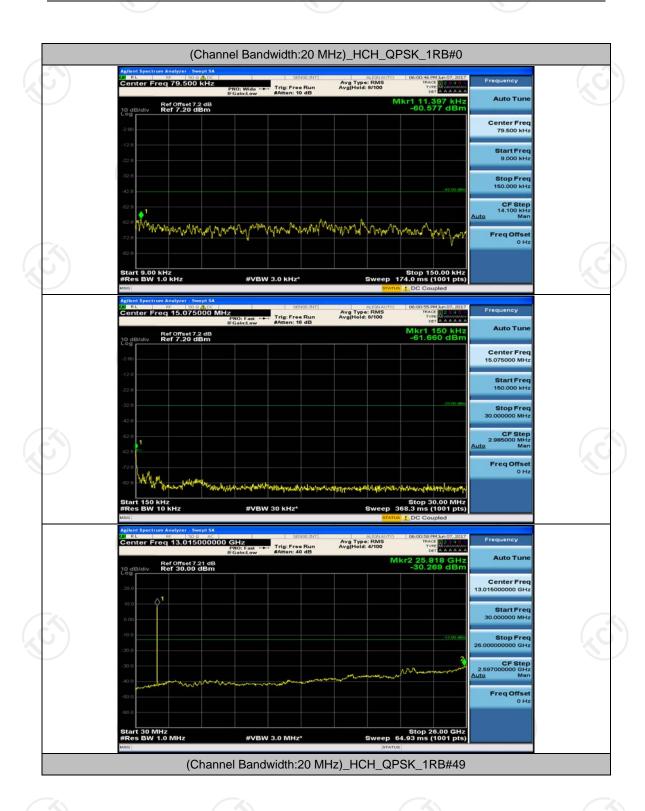
TCT通测检测 festing centre technology

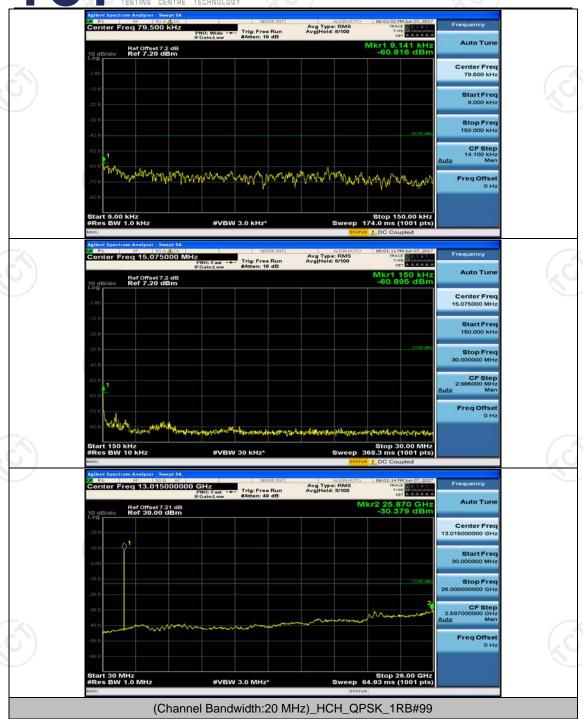


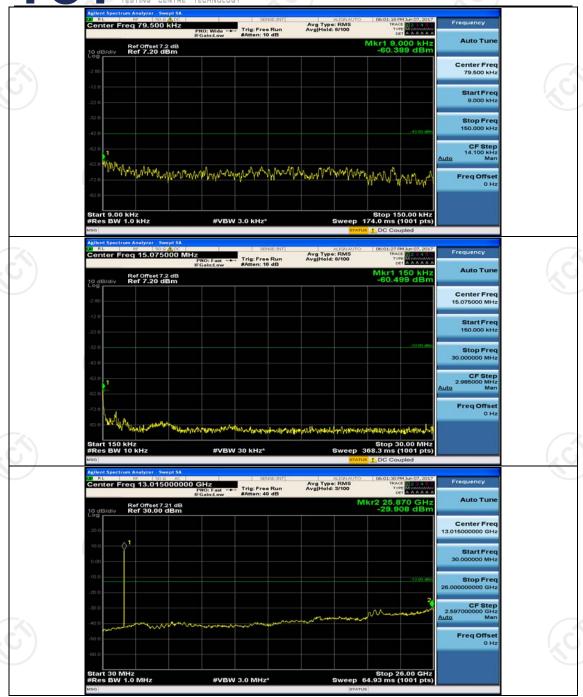
TCT通测检测



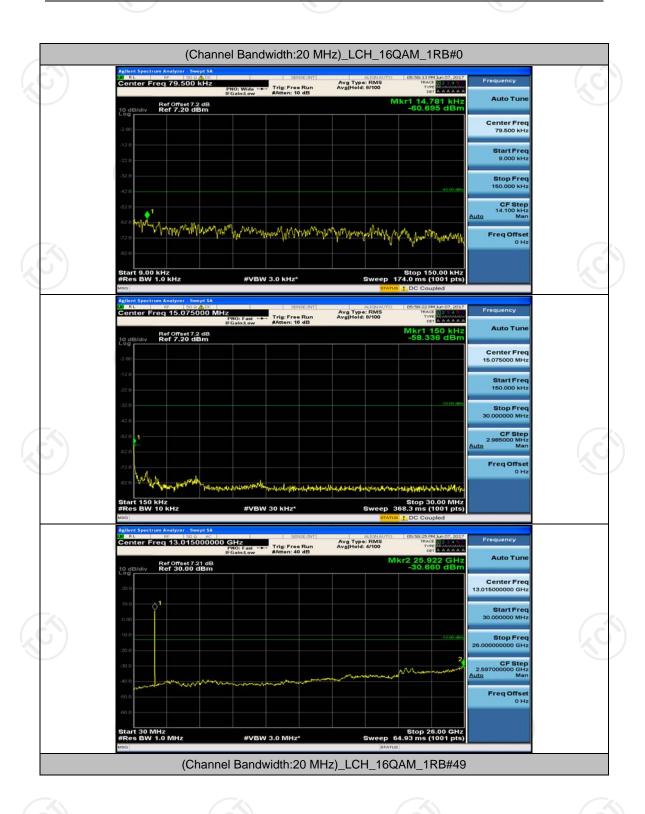


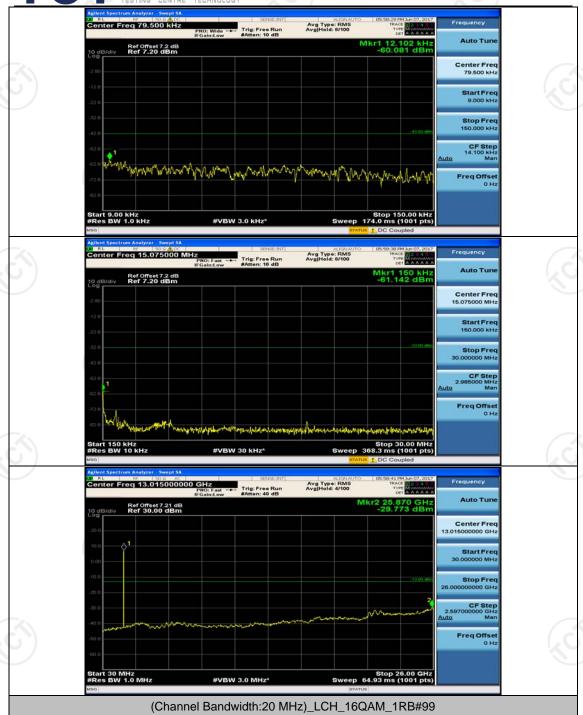


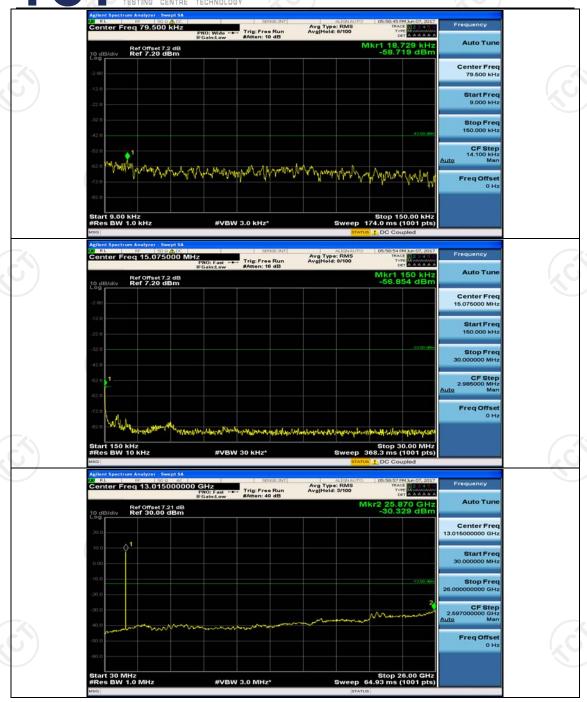




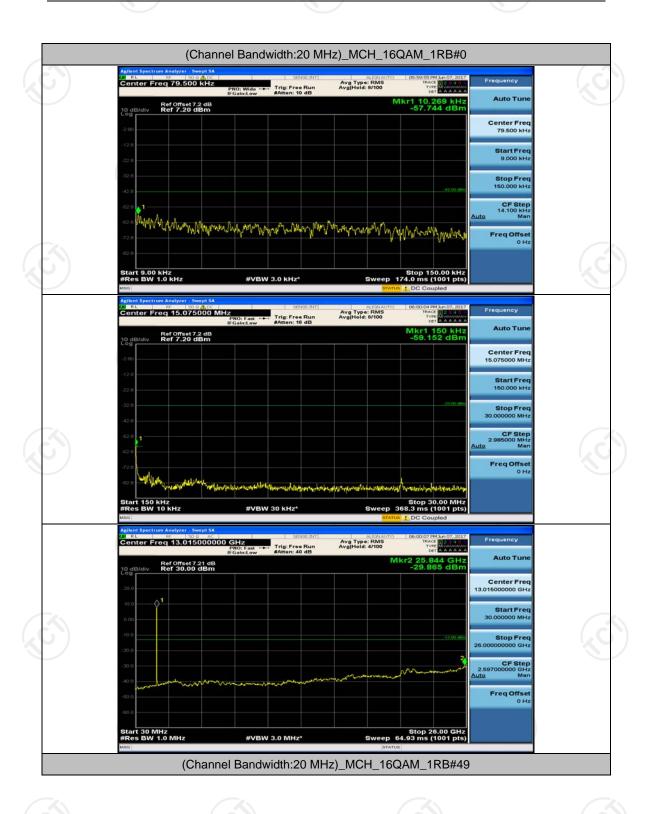


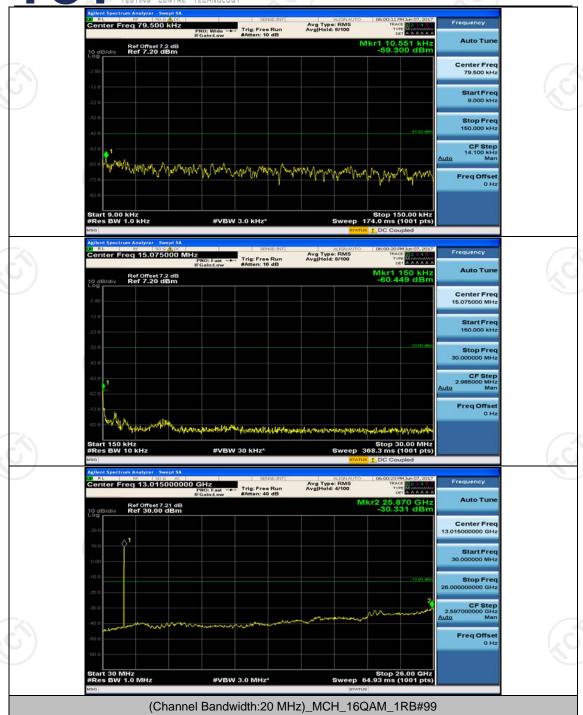


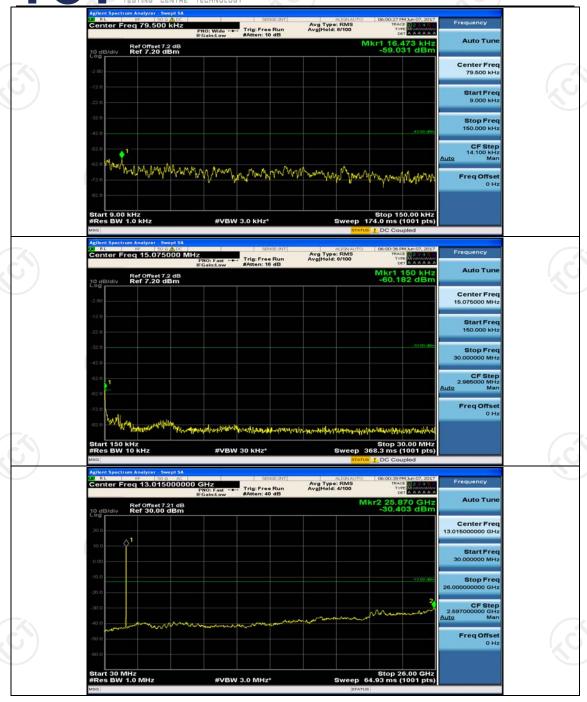




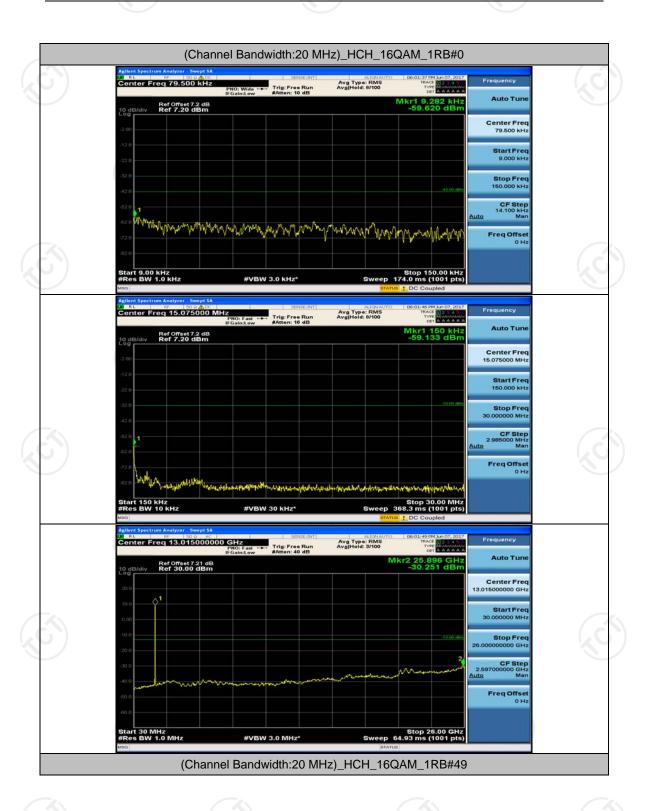


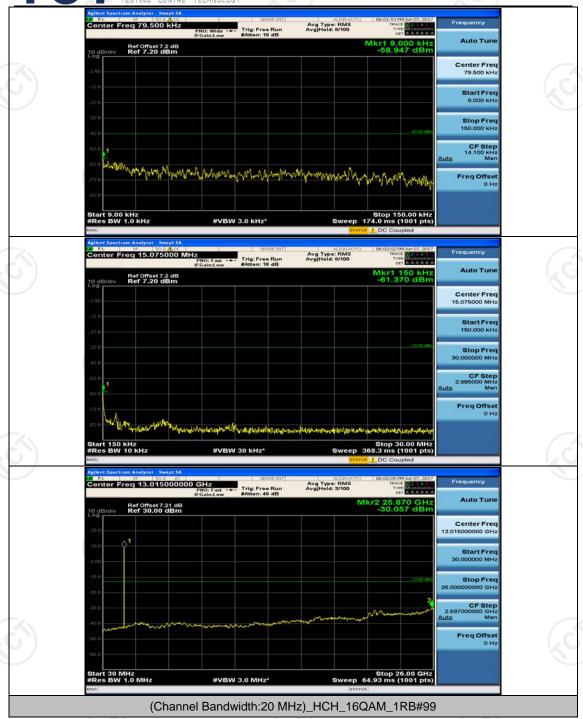


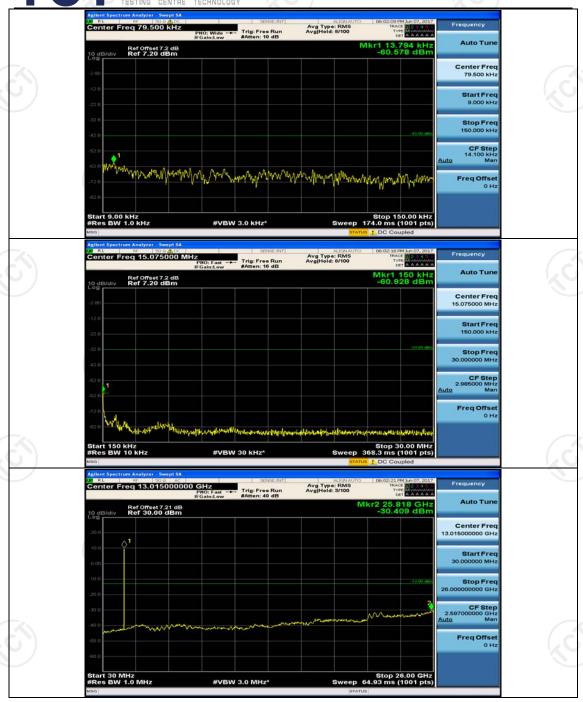














Appendix F: Frequency Stability

Test Result

Bandwidth (MHz) :		10MHz		RB #:	Full		
Limit (ppm) :		2.5ppm		Channel:	мсн		
Temperature (°C)	Voltage (V)	Modulation					
		QPSK 16QAM		Result			
		Deviation (ppm)	Deviation (ppm)				
50	3.8	-0.022		-0.031			
40	3.8	+0.014		+0.027			
30	3.8	+0.011		+0.016			
20	3.8	+0.013		+0.015			
10	3.8	+0.015		+0.023	PASS		
0	3.8	+0.020		+0.024			
-10	3.8	-0.024		-0.025			
-20	3.8	-0.032		-0.025			
-30	3.8	+0.030		+0.035			
20	4.2	+0.016		+0.020	PASS		
20	3.5	-0.015		-0.016	PASS		

Note: All bandwidth and modulation are tested, only the worst result is reported.





Field Strength of Spurious Radiation Measurement

Test Result

Bandwidth:	1.4N	1	Test channel:	Lowest		
Modulation:	QPSK		Temperature :	23~24°C		
RB #:	1	·		46~48%		
Note:	Spurious emissions within 30-1000MHz were found more than 20dB beline.					
Fraguency (MHz)	Spurious E	mission	Lineit (dDne)	Result		
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)			
3421.4	Vertical	-49.63				
5132.1	V	-54.59		PASS		
	V	-				
3421.4	Horizontal	-50.42	-13.00			
5132.1	Н	-53.37				
-	Н	-				
Bandwidth:	1.4N	1	Test channel:	Middle		
Modulation:	QPS	K	Temperature :	23~24°C		
RB #:	1	1		46~48%		
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below lin line.					
Frequency (MHz)	Spurious E		Limit (dBm)	Result		
	Polarization	Level (dBm)	,			
3465.0	Vertical	-51.63				
5197.5	V	-55.59				
- (6	V		-13.00	PASS		
3465.0	7.	-55.59 - -49.50	-13.00	PASS		
- (6	V	-55.59 -	-13.00	PASS		
3465.0	V Horizontal	-55.59 - -49.50	-13.00	PASS		
3465.0	V Horizontal H	-55.59 - -49.50 -54.49	-13.00 Test channel:	PASS Highest		
3465.0 5197.5	V Horizontal H	-55.59 -49.50 -54.49 -				
3465.0 5197.5 - Bandwidth:	V Horizontal H H 1.4N	-55.59 -49.50 -54.49 -	Test channel:	Highest		
3465.0 5197.5 - Bandwidth: Modulation:	V Horizontal H H QPS	-55.59 -49.50 -54.49 -	Test channel: Temperature :	Highest 23~24°C 46~48%		
3465.0 5197.5 - Bandwidth: Modulation: RB #:	V Horizontal H H OPS 1.4N OPS Spurious emissions w	-55.59 -49.50 -54.49 - // K	Test channel: Temperature: Relative Humidity: were found more than	Highest 23~24°C 46~48% 1 20dB below limit		
3465.0 5197.5 - Bandwidth: Modulation: RB #:	V Horizontal H H CONTROL H Spurious emissions waline.	-55.59 -49.50 -54.49 - // K	Test channel: Temperature: Relative Humidity:	Highest 23~24°C 46~48%		
3465.0 5197.5 - Bandwidth: Modulation: RB #:	V Horizontal H H Spurious emissions waline. Spurious En	-55.59 -49.50 -54.49 - M K within 30-1000MHz	Test channel: Temperature: Relative Humidity: were found more than	Highest 23~24°C 46~48% 1 20dB below limit		
3465.0 5197.5 - Bandwidth: Modulation: RB #: Note: Frequency (MHz)	V Horizontal H H Spurious emissions waline. Spurious Energy Energ	-55.59 -49.50 -54.49 - K within 30-1000MHz mission Level (dBm)	Test channel: Temperature: Relative Humidity: were found more than	Highest 23~24°C 46~48% 1 20dB below limit		
3465.0 5197.5 - Bandwidth: Modulation: RB #: Note: Frequency (MHz) 3508.6	V Horizontal H H Source of the series of the	-55.59 -49.50 -54.49 - // K within 30-1000MHz mission Level (dBm) -51.21	Test channel: Temperature: Relative Humidity: were found more than Limit (dBm)	Highest 23~24°C 46~48% 1 20dB below limit Result		
- 3465.0 5197.5 - Bandwidth: Modulation: RB #: Note: Frequency (MHz) 3508.6 5262.9	V Horizontal H H Spurious emissions was line. Spurious Energy Polarization Vertical V	-55.59 -49.50 -54.49 - M K within 30-1000MHz mission Level (dBm) -51.21 -54.76	Test channel: Temperature: Relative Humidity: were found more than	Highest 23~24°C 46~48% 1 20dB below limit		
- 3465.0 5197.5 - Bandwidth: Modulation: RB #: Note: Frequency (MHz) 3508.6 5262.9	V Horizontal H H Spurious emissions waline. Spurious En Polarization Vertical V V	-55.59 -49.50 -54.49 - // K within 30-1000MHz mission Level (dBm) -51.21 -54.76 -	Test channel: Temperature: Relative Humidity: were found more than Limit (dBm)	Highest 23~24°C 46~48% 1 20dB below limit Result		



Bandwidth:	1.4N	1	Test channel:	Lowest	
Modulation:	16QAM		Temperature :	23~24°C	
RB #:	1		Relative Humidity:	46~48%	
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below lim line.				
F	Spurious E	mission	Lineit (dDne)	Result	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)		
3465.0	Vertical	-51.63	100		
5197.5	V	-55.45			
-	V	-	12.00	DACC	
3465.0	Horizontal	-52.65	-13.00	PASS	
5197.5	H(C)	-56.32	((0))		
<u>-</u>	Н	-			
Bandwidth:	1.4M		Test channel:	Middle	
Modulation:	QPS	QPSK		23~24°C	
RB #:	1		Relative Humidity:	46~48%	
Note:	Spurious emissions was line.	vithin 30-1000MH	z were found more than	20dB below limit	
Frequency (MHz)	Spurious E	mission	Limit (dBm)	Result	
rrequericy (iviriz)	Polarization	Level (dBm)	Lilliit (dbill)		
3465.0	Vertical	-51.33			
5197.5	V	-55.25		PASS	
-	V	-	-13.00		
3465.0	Horizontal	-52.47	-15.00		
5197.5) н				
	T / 11	-55.16	(40)		
-	Н	-55.16 -			
- Bandwidth:			Test channel:	Highest	
Bandwidth: Modulation:	Н	1	Test channel: Temperature :		
	H 1.4N	1		Highest	
Modulation:	H 1.4N QPSI	n K	Temperature :	Highest 23~24°C 46~48%	
Modulation: RB #: Note:	H 1.4N QPSI 1 Spurious emissions w	M K vithin 30-1000MH	Temperature : Relative Humidity: z were found more than	Highest 23~24°C 46~48% 20dB below limit	
Modulation: RB #:	H 1.4N QPSI 1 Spurious emissions w line.	M K vithin 30-1000MH	Temperature : Relative Humidity:	Highest 23~24°C 46~48%	
Modulation: RB #: Note:	H 1.4N QPSI 1 Spurious emissions we line. Spurious En	// K vithin 30-1000MH mission	Temperature : Relative Humidity: z were found more than	Highest 23~24°C 46~48% 20dB below limit	
Modulation: RB #: Note: Frequency (MHz)	H 1.4N QPSI 1 Spurious emissions welline. Spurious Energy En	vithin 30-1000MH mission Level (dBm)	Temperature : Relative Humidity: z were found more than	Highest 23~24°C 46~48% 20dB below limit	
Modulation: RB #: Note: Frequency (MHz) 3508.6	H 1.4N QPSI 1 Spurious emissions weline. Spurious En Polarization Vertical	rithin 30-1000MH mission Level (dBm) -50.30	Temperature : Relative Humidity: z were found more than Limit (dBm)	Highest 23~24°C 46~48% 20dB below limit Result	
Modulation: RB #: Note: Frequency (MHz) 3508.6 5262.9	H 1.4N QPSI 1 Spurious emissions welline. Spurious En Polarization Vertical V	- // K within 30-1000MH mission Level (dBm) -50.30 -55.69	Temperature : Relative Humidity: z were found more than	Highest 23~24°C 46~48% 20dB below limit	
Modulation: RB #: Note: Frequency (MHz) 3508.6 5262.9	H 1.4N QPSI 1 Spurious emissions welline. Spurious En Polarization Vertical V V	- // K //ithin 30-1000MH mission Level (dBm) -50.30 -55.69	Temperature : Relative Humidity: z were found more than Limit (dBm)	Highest 23~24°C 46~48% 20dB below limit Result	

Note: All bandwidth and modulation are tested, only the worst result is reported.

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