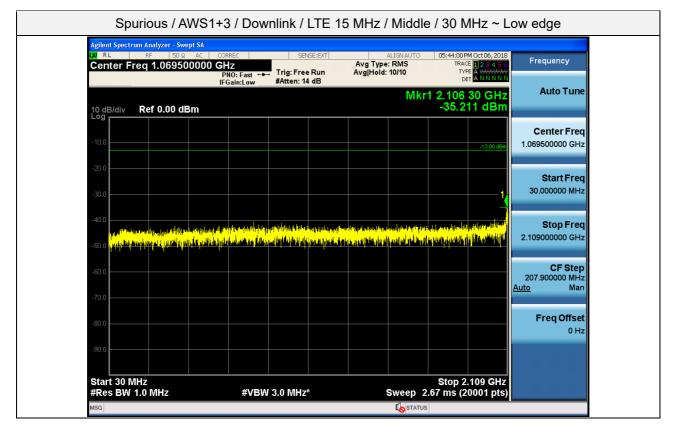


IN   RL   RF   S0.9 @ DC   CORREC   SENSE:EXT   ALIGNAUTO   05:43:52 PM Oct 06, 2018   Frequency     Center Freq 15.07/5000 MHz   PN0: Fast PM Trig: Free Run IFGain:Low   Avg Type: RMS   TRACE 12.3 4.5 Frequency   Auto Tu     10 dB/div   Ref 0.00 dBm   -38.284 dBm   -38.284 dBm   -38.284 dBm   -10.0   -38.284 dBm   -38.284 dBm   -15.075000 M   -15.0750
Center Fr     -10.0   -38.284 dBm     -20.0   -38.284 dBm     -20.0   -33.00 dBm     -20.0   -33.00 dBm     -30.0   -33.00 dBm     -40.0   -33.00 dBm     -50.0   -33.00 dBm
10.0 Center Fr   20.0 Start Fr   30.0 3300 480   40.0 Start Fr   50.0 Storp Fr   30.0 Storp Fr   30.0 Storp Fr   30.0 Storp Fr   30.0 Storp Fr   30.00000 M Storp Fr   30.0000 M Storp Fr   30.0000 M Storp Fr   30.000 M Storp Fr   30.000 M Storp Fr   30.000 M Storp Fr   30.000 M Storp Fr   Storp Fr
-50.0
Start 150 kHz   Stop 30.00 MHz



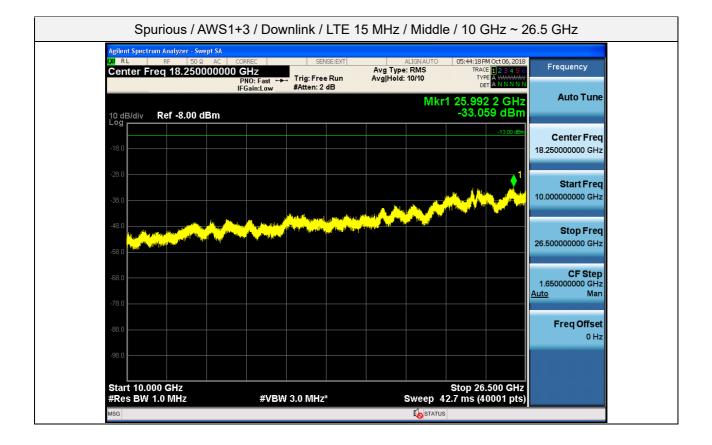


Agilent Spectrum Analyzer - Swept SA LXI RL RF 50 Ω AC CC	RREC SENSE:EXT		44-00 PM 0-1-05-2010	
Center Freq 6.090500000 G		ALIGNAUTO 05: Avg Type: RMS Avg Hold: 10/10	12 3 4 5 6   Frequenc     TRACE   1 2 3 4 5 6     TYPE   A WWWWW	У
	Gain:Low #Atten: 12 dB	- Mkrt 2	LISA 1 GHZ AUTO 1	Tune
10 dB/div Ref 0.00 dBm			6.307 dBm	
Log			Center	Freq
-10.0			-13.00 dBm 6.090500000	GHz
-20.0				
-30.0			Start 2.18100000	
-40.0			Stop	
-50.0	e i de ser la de la desta de la ser la desta de la La desta de la d La desta de la d	I CANNER	10.00000000	GHz
-60.0				Step
			781.900000 <u>Auto</u>	MHz Man
-70.0				
-80.0			Freq O	ffset 0 Hz
-90.0				
Start 2.181 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz*		p 10.000 GHz ns (20001 pts)	

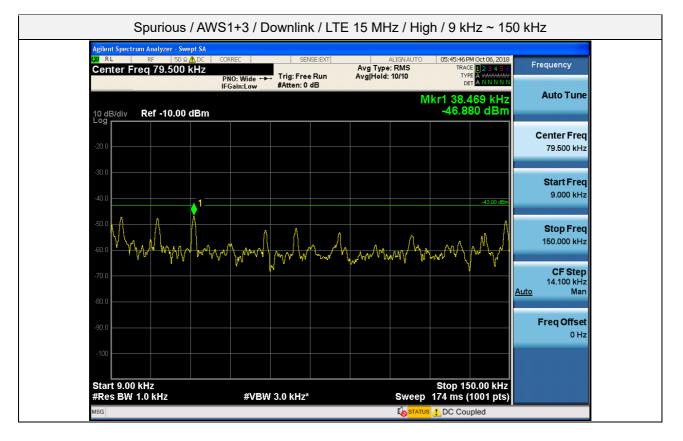




# Report No.: HCT-RF-1810-FC030-R2

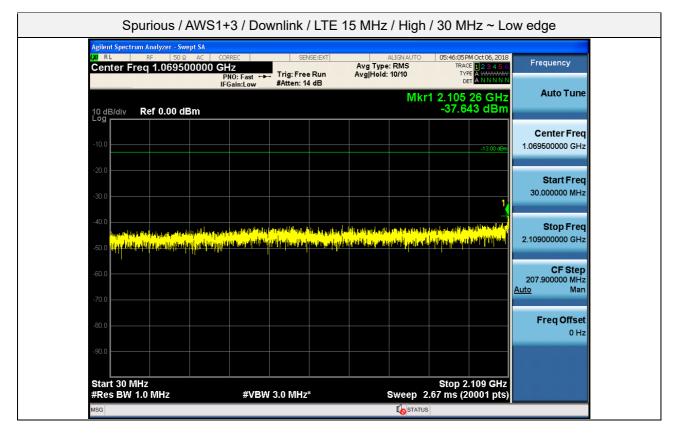






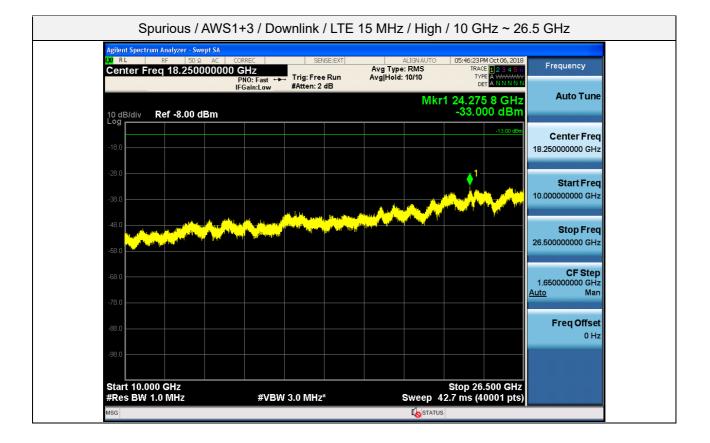
Agilent Spectrum Analyzer - Swept SA					
177 RL RF 50.Ω ▲ DC Center Freq 15.075000 N		Avg Type: F Run Avg Hold: 10		05:45:58 PM Oct 06, 2018 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNN	Frequency
10 dB/div Ref 0.00 dBm				Mkr1 593 kHz -38.321 dBm	Auto Tune
-10.0					Center Freq 15.075000 MHz
-20.0				-33.00 dBm	<b>Start Freq</b> 150.000 kHz
-40.0					Stop Freq 30.000000 MHz
					CF Step 2.985000 MHz
-70.0	l (fille angen sen and sen start for ) estand al sen an Ne hyfelyn a gynar a gynar for for a gynar for a gynar y gynar Ne hyfelyn a gynar y gynar gynar y gyna	ka dan ber dekina terdekin dekina beranda beranda beranda beranda beranda beranda beranda beranda beranda bera Beranda beranda	a fila data dala dal Articipa programa	n de la Vincente de la Vincente de La	<u>Auto</u> Man
-80.0					Freq Offset 0 Hz
-90.0					
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*		<b>D</b>	Stop 30.00 MHz 68 ms (6001 pts)	



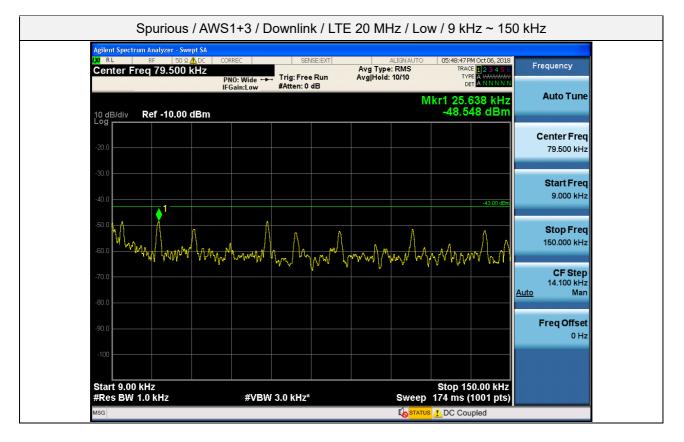


Agilent Spectrum Analyzer - Swept SA				
tx RL RF 50 Ω AC Center Freq 6.09050000		ALIGNAUTO 0 Avg Type: RMS Avg Hold: 10/10	TYPE A WAARAAAAA	Frequency
	IFGain:Low #Atten: 12 dB	Mkr1	2.181 0 GHz	Auto Tune
10 dB/div Ref 0.00 dBm			20.078 dBm	
-10.0			60	Center Freq
1			-13,00 dBm 6.0	SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
-20.0 4			2.1	Start Freq
-30.0				
	na la factoria de la constante de la constante La constante de la constante de			Stop Freq
				CF Step
-60.0			7 Auto	81.900000 MHz
-70.0				
-80.0				Freq Offset 0 Hz
-90.0				
Start 2.181 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz*		op 10.000 GHz ms (20001 pts)	



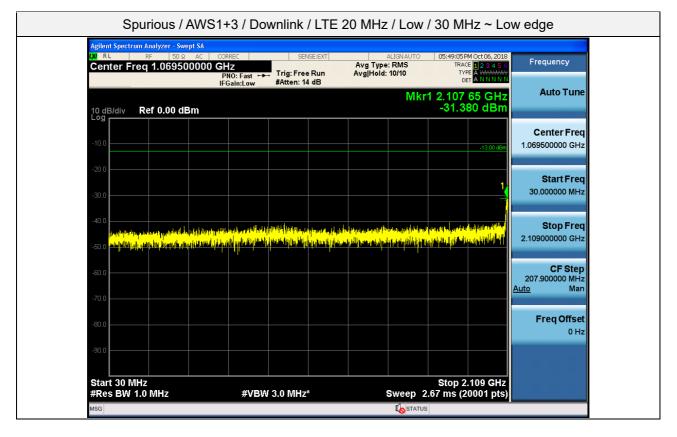






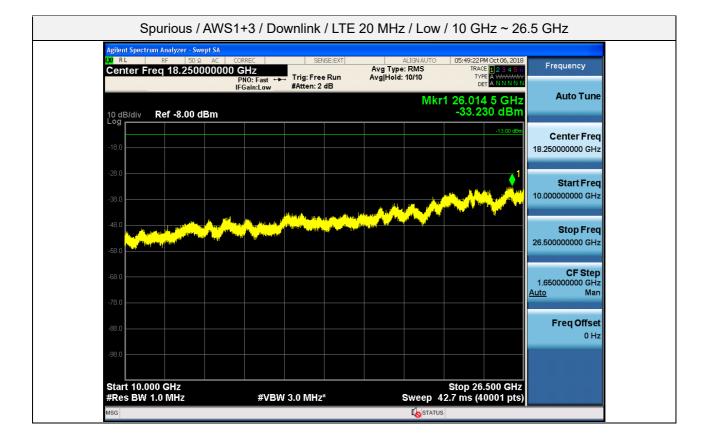
Agilent Spectrum Analyzer - Swept SA		ISE:EXT	LIGN AUTO	05:48:57 PM Oct 06, 2018	
Center Freq 15.075000 N		Avg Type: Run Avg Hold:	RMS	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N	Frequency
10 dB/div Ref 0.00 dBm				Mkr1 598 kHz -38.793 dBm	Auto Tune
-10.0					Center Freq 15.075000 MHz
-20.0				-33.00 dBm	<b>Start Freq</b> 150.000 kHz
-40.0					Stop Freq 30.000000 MHz
	Nitradia India ata statu				CF Step 2.985000 MHz <u>Auto</u> Man
-70.0	Nitzeste ved for formel den og at som fil Proce Vet besom for at i Spirkova by D, store om former	in the second		na in 1944) an ann an Ann an Ann an Ann an Ann an Ann an	Auto
-80.0					Freq Offset 0 Hz
-90.0					
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*		Swoon	Stop 30.00 MHz 368 ms (6001 pts)	



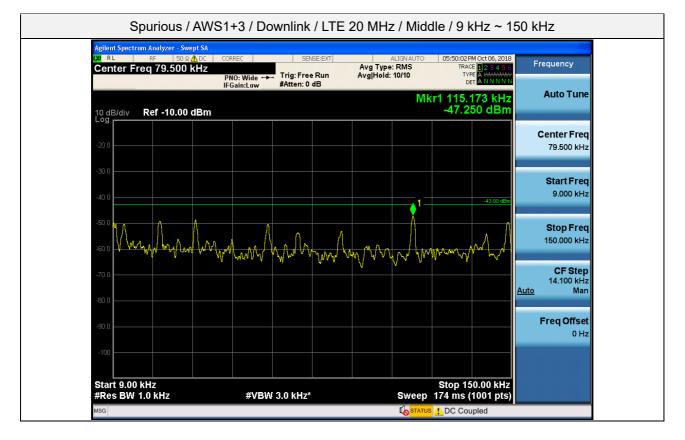


Agilent Spectrum Analyzer - Swept SA				
Center Freq 6.090500000 G	PNO: Fast +++ Trig: Free Run	ALIGNAUTO 05: Avg Type: RMS Avg Hold: 10/10	49:13 PM Oct 06, 2018 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N	requency
	FGain:Low #Atten: 12 dB		.181 4 GHz	Auto Tune
10 dB/div Ref 0.00 dBm		-3	6.944 dBm	
-10.0				Center Freq 90500000 GHz
-20.0			2.18	Start Freq 31000000 GHz
-40.0 -40.0 -50.0 -50.0	ten den selamente bilden eta en la tradición de sende de littera provide de la deserva de la de la de la deserv La propositiona de la deserva provide en la del de l			Stop Freq
-50.0				
-60.0				CF Step 1.900000 MHz
-70.0			Auto	Man
-80.0				Freq Offset
				0 Hz
-90.0				
Start 2.181 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz*	Sto Sweep 13.3 n	p 10.000 GHz	



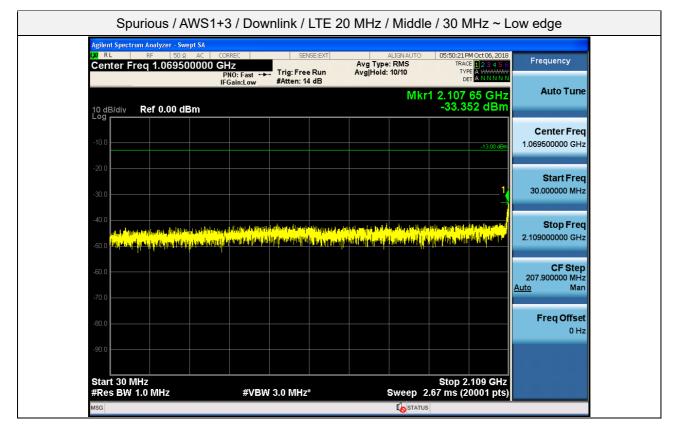






Agilent Spectrum Analyzer - Swept SA IXI RL RF 50 Ω ⚠ DC	CORREC SENSE:EXT	ALIGN AUTO	05:50:13 PM Oct 06, 2018	
Center Freq 15.075000 M		Avg Type: RMS Avg Hold: 10/10	TRACE 123456 TYPE A WWWW DET A NNNN	Frequency
10 dB/div Ref 0.00 dBm			Mkr1 593 kHz -35.894 dBm	Auto Tune
-10.0				Center Freq 15.075000 MHz
-30.0			-33.00 dBm	<b>Start Freq</b> 150.000 kHz
-40.0				Stop Freq 30.000000 MHz
	the state of the			CF Step 2.985000 MHz <u>Auto</u> Man
-70.0	n balan da yang sa Manazaring Kalanda da yang balan bilan bilan bilan bilan bilan bilan bilan bilan bilan balan 1946 - Allan Dalamata, panang bilan kalang bilan bi 1946 - Allan Bilan bi	en alden gette skin an det skinger for en skinder i skinde skinder I nyellen for og perskipet for for en persken persken skinder I	yner mel o referending friger ner mel in Allen yn yn Allen yn yn Armen a ferrefer My fregel yn ferrefere i'r yn arwyn Allen yn yn yn Armen yn yn Armen My fregel yn arwyn a ferrefere	Freq Offset
-90.0				UTIL
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*	Sweep	Stop 30.00 MHz 368 ms (6001 pts)	



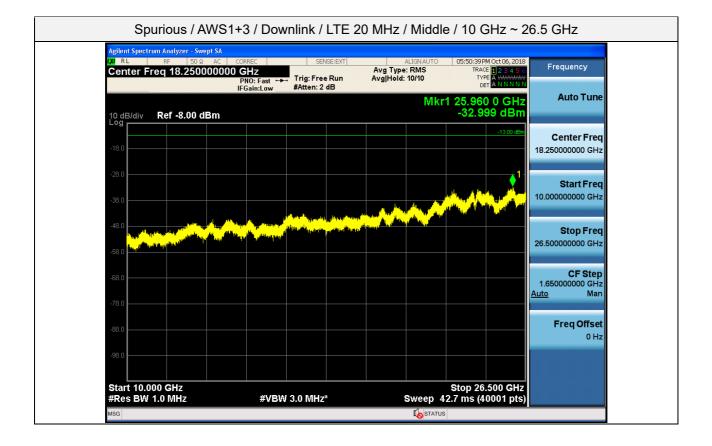


Agilent Spectrum Analyzer - Swept SA				
🗱 RL RF 50Ω AC C Center Freq 6.090500000 G	CORREC SENSE:EXT HZ PNO: Fast +++ Trig: Free Run	ALIGN AUTO 0: Avg Type: RMS Avg Hold: 10/10	5:50:29 PM Oct 06, 2018 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N	Frequency
	IFGain:Low #Atten: 12 dB	Mkr1	2.182 6 GHz	Auto Tune
10 dB/div Ref 0.00 dBm			35.844 dBm	
				Center Freq
-10.0			-13.00 dBm 6.0	90500000 GHz
-20.0				Start Freq
-30.0			2.1	81000000 GHz
-40.0				
	n an a bha ann a' bha fa bha an an ann an an an an an an an an an a	nde fallen men en fillfiller i de bester fan de fillen en ster gebeure in terreser en <sup>fille</sup> (free en sterfelinger en sterfelinger en sterfelinger en sterfelinger en sterfelinger		Stop Freq 00000000 GHz
-50.0 <b>4 100 100 100 100 100 100 100 100 100 10</b>				
-60.0			78	CF Step 31.900000 MHz
-70.0			Auto	Man
-80.0				Freq Offset
-00.0				0 Hz
-90.0				
Start 2.181 GHz		St	op 10.000 GHz	

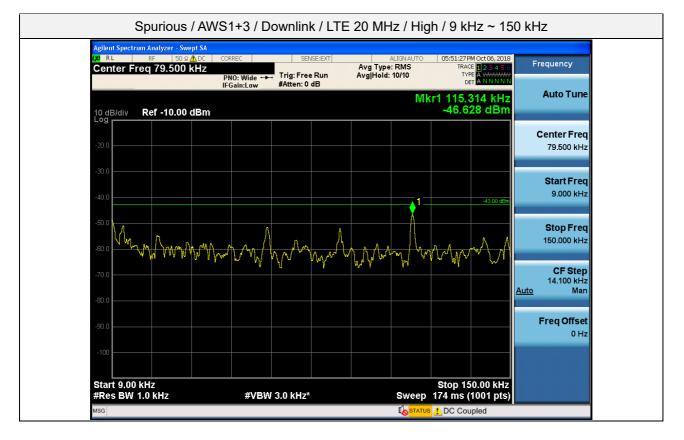




# Report No.: HCT-RF-1810-FC030-R2

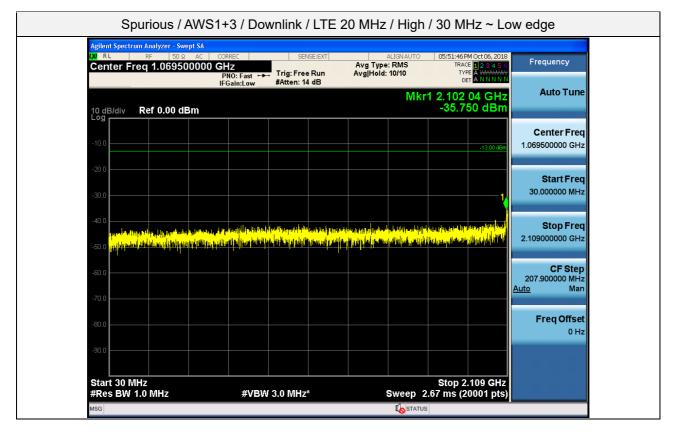






Agilent Spectrum Analyzer - Swept SA		E:EXT ALIGN	AUTO 05:51:39 PM Oct 06, 201	2
Center Freq 15.075000 N		Avg Type: RM Run Avg Hold: 10/10	S TRACE 1 2 3 4 5	Frequency
10 dB/div Ref 0.00 dBm			Mkr1 593 kHz -39.045 dBm	
-10.0				Center Freq 15.075000 MHz
-20.0				Start Freq 150.000 kHz
-40.0				Stop Freq 30.000000 MHz
-50.0				CF Step 2.985000 MHz
-70.0	tallan mana belan an a bara ka fan di ka di ka di ka di belan sa dara ka Arrinna di ka ka ginang kan dapat pinan kan pana ka pana di pana Arrinna di ka ka ginang kan dapat pinan kan pana ka pana di pana		a birlanda yan da bir ten sabiya ati da pang kasiya Nga nga pang kata ati nga pang kasiya nga pang	<u>Auto</u> Man
-80.0				Freq Offset 0 Hz
-90.0			Stop 30.00 MHz	

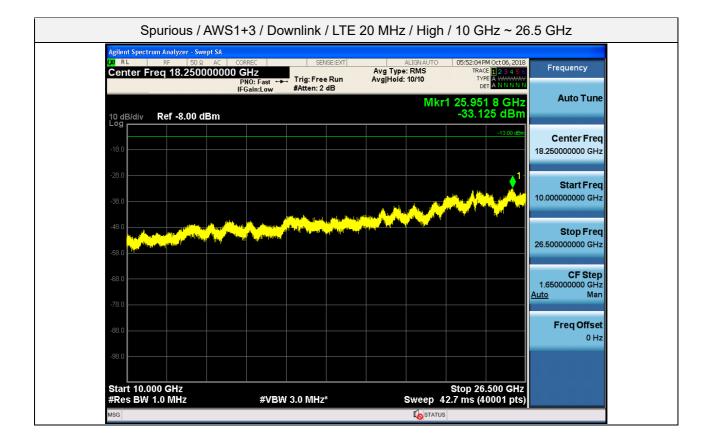




Agilent Spectrum Analyzer - Swept SA LXI RL RF 50 Ω AC CORR	EC SENSE:EXT	ALIGNAUTO 05:53:	D2 PM Oct 06, 2018
Center Freg 6.090500000 GH			RACE 1 2 3 4 5 6 TYPE A WAMMAN DET A N N N N N
IFG	hin:Low #Atten: 12 dB		810 GHz Auto Tur
10 dB/div Ref 0.00 dBm		-17	722 dBm
Log			Center Fre
-10.0			-13.00 dBm 6.090500000 GH
-20.0			
			Start Fre
-30.0			2.181000000 GH
-40.0			Stop Fre
		and the quarter of the state of	10.00000000 GF
-50.0			
-60.0			CF Ste 781.900000 MH
-70.0			<u>Auto</u> Ma
			Freg Offs
-80.0			0H
-90.0			
Start 2.181 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz*	Stop Sweep 13.3 ms	10.000 GHz



# Report No.: HCT-RF-1810-FC030-R2





# 5.6. RADIATED SPURIOUS EMISSIONS

#### **Test Requirements:**

#### § 2.1053 Measurements required: Field strength of spurious radiation.

(a) Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of §2.1049, as appropriate. For equipment operating on frequencies below 890 MHz, an open field test is normally required, with the measuring instrument antenna located in the far-field at all test frequencies. In the event it is either impractical or impossible to make open field measurements (e.g. a broadcast transmitter installed in a building) measurements will be accepted of the equipment as installed. Such measurements must be accompanied by a description of the site where the measurements were made showing the location of any possible source of reflections which might distort the field strength measurements. Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.

(b) The measurements specified in paragraph (a) of this section shall be made for the following equipment:

(1) Those in which the spurious emissions are required to be 60 dB or more below the mean power of the transmitter.

- (2) All equipment operating on frequencies higher than 25 MHz.
- (3) All equipment where the antenna is an integral part of, and attached directly to the transmitter.
- (4) Other types of equipment as required, when deemed necessary by the Commission.



# **Test Procedures:**

Because KDB 935210 D05 procedure does not provide this requirement, measurements were in accordance with the test methods section 5.5 of ANSI C63.26-2015

a) Place the EUT in the center of the turntable. The EUT shall be configured to transmit into the standard non-radiating load (for measuring radiated spurious emissions), connected with cables of minimal length unless specified otherwise. If the EUT uses an adjustable antenna, the antenna shall be positioned to the length that produces the worst case emission at the fundamental operating frequency.

b) Each emission under consideration shall be evaluated:

1) Raise and lower the measurement antenna in accordance 5.5.2, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.

2) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.

3) Return the turntable to the azimuth where the highest emission amplitude level was observed.

4) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.

5) Record the measured emission amplitude level and frequency using the appropriate RBW.

c) Repeat step b) for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.

# Test Result:

Ch.	Frequency (MHz)	Measured Level (dBuV/m)	Measured Power (dBm)	Ant. Factor (dB/m)	C.L (dB)	A.G. (dB)	D.F. (dB)	Pol.	Result (dBm)
			No Critic	cal Peaks Fou	nd				

\* C.L.: Cable Loss / A.G.: Ant. Gain / D.F.: Distance Factor (3.75 m)



# 6. Annex A\_EUT AND TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1810-FC030-P