Appendix H: Test Data for E-UTRA Band 12

Product Name: 3G/4G Smart Phone

Trade Mark: DOOGEE

Test Model: S59Pro

Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

H.1 Conducted Output Power

		Conducted	Output Pow	er Test Result (Channel Band	r Test Result (Channel Bandwidth: 1.4 MHz)		
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
wodulation	Channel	Size	Offset	QPSK	16QAM	verdict	
		1	0	22.63	21.80	PASS	
		1	3	22.79	21.91	PASS	
		1	5	22.73	21.77	PASS	
	LCH	3	0	22.71	21.60	PASS	
		3	2	22.73	21.60	PASS	
		3	3	22.85	21.58	PASS	
		6	0	21.76	20.61	PASS	
		1	0	22.49	21.36	PASS	
		1	3	22.57	21.55	PASS	
QPSK /		1	5	22.44	21.33	PASS	
16QAM	MCH	3	0	22.51	21.34	PASS	
IOQAIN		3	2	22.52	21.33	PASS	
		3	3	22.52	21.25	PASS	
		6	0	21.50	20.49	PASS	
		1	0	22.22	21.26	PASS	
		1	3	22.34	21.42	PASS	
		1	5	22.25	21.29	PASS	
	НСН	3	0	22.26	21.10	PASS	
		3	2	22.26	21.10	PASS	
		3	3	22.31	21.09	PASS	
		6	0	21.31	20.31	PASS	

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		Conducte	d Output Pov	ver Test Result (Channel Ban	dwidth: 3 MHz)	
Madulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdiet
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	22.71	21.85	PASS
		1	7	22.73	21.82	PASS
		1	14	22.66	21.81	PASS
	LCH	8	0	21.75	20.76	PASS
		8	4	21.76	20.77	PASS
		8	7	21.76	20.76	PASS
		15	0	21.72	20.69	PASS
		1	0	22.55	21.66	PASS
		1	7	22.54	21.61	PASS
		1	14	22.43	21.52	PASS
QPSK / 16QAM	MCH	8	0	21.55	20.54	PASS
IOQAIN		8	4	21.54	20.53	PASS
		8	7	21.50	20.49	PASS
		15	0	21.50	20.39	PASS
		1	0	22.33	21.17	PASS
		1	7	22.31	21.22	PASS
		1	14	22.30	21.20	PASS
	НСН	8	0	21.39	20.35	PASS
		8	4	21.38	20.35	PASS
		8	7	21.31	20.22	PASS
		15	0	21.27	20.16	PASS

		Conducte	d Output Pov	ver Test Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	RB Con Size	figuration Offset	Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		1	0	22.62	21.58	PASS
		1	12	22.77	21.74	PASS
		1	24	22.57	21.53	PASS
	LCH	12	0	21.70	20.64	PASS
	_	12	6	21.71	20.63	PASS
		12	13	21.64	20.60	PASS
		25	0	21.67	20.63	PASS
		1	0	22.52	21.70	PASS
		1	12	22.60	21.76	PASS
00011		1	24	22.39	21.54	PASS
QPSK /	MCH	12	0	21.56	20.54	PASS
16QAM		12	6	21.55	20.55	PASS
		12	13	21.52	20.49	PASS
		25	0	21.51	20.48	PASS
		1	0	22.28	21.26	PASS
		1	12	22.43	21.37	PASS
		1	24	22.25	21.21	PASS
	НСН	12	0	21.35	20.27	PASS
		12	6	21.34	20.30	PASS
		12	13	21.08	20.06	PASS
		25	0	21.24	20.19	PASS

		Conducted	Output Pov	ver Test Result (Channel Banc	dwidth: 10 MHz)		
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict	
	onamo	Size	Offset	QPSK	16QAM	Vordiot	
		1	0	22.62	21.79	PASS	
		1	24	22.70	21.81	PASS	
		1	49	22.43	21.52	PASS	
	LCH	25	0	21.70	20.69	PASS	
		25	12	21.74	20.66	PASS	
		25	25	21.59	20.52	PASS	
		50	0	21.64	20.59	PASS	
		1	0	22.59	21.71	PASS	
		1	24	22.59	21.80	PASS	
QPSK /		1	49	22.31	21.40	PASS	
16QAM	MCH	25	0	21.69	20.67	PASS	
TOQAM		25	12	21.65	20.66	PASS	
		25	25	21.61	20.61	PASS	
		50	0	21.62	20.57	PASS	
		1	0	22.51	21.37	PASS	
		1	24	22.47	21.36	PASS	
		1	49	22.27	21.15	PASS	
	HCH	25	0	21.31	20.30	PASS	
		25	12	21.32	20.29	PASS	
		25	25	21.13	20.14	PASS	
		50	0	21.21	20.15	PASS	

H.2 Peak-to-Average Ratio

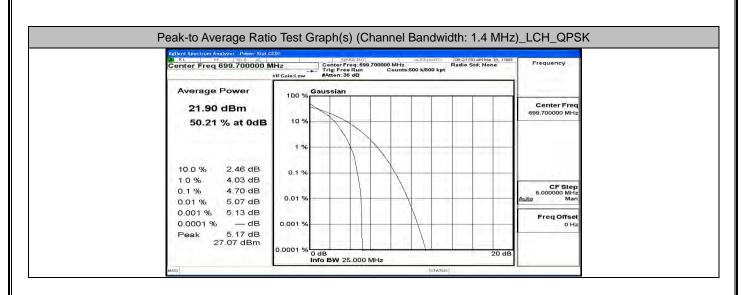
	Peak-to Average Rat	tio Test Result (Channel	Bandwidth: 1.4 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	[dB]	[dB]	Verdict
	LCH	4.7	<13	PASS
QPSK	MCH	4.99	<13	PASS
	HCH	4.46	<13	PASS
	LCH	5.73	<13	PASS
16QAM	MCH	5.74	<13	PASS
	НСН	5.31	<13	PASS

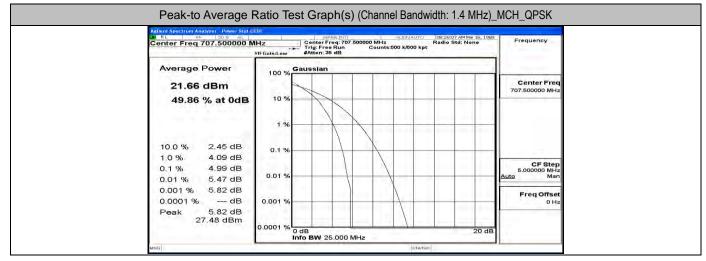
	Peak-to Average Ra	atio Test Result (Channel	Bandwidth: 3 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
wouldton	Channel	[dB]	[dB]	Verdict
	LCH	4.84	<13	PASS
QPSK	MCH	4.96	<13	PASS
	НСН	4.45	<13	PASS
	LCH	5.72	<13	PASS
16QAM	MCH	5.85	<13	PASS
	НСН	5.4	<13	PASS

	Peak-to Average Ra	tio Test Result (Channel	Bandwidth: 5 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
MODULATION	Ghannei	[dB]	[dB]	Verdict
	LCH	4.85	<13	PASS
QPSK	MCH	5.03	<13	PASS
	HCH	4.64	<13	PASS
	LCH	5.68	<13	PASS
16QAM	MCH	5.77	<13	PASS
	HCH	5.49	<13	PASS

	Peak-to Average Ra	tio Test Result (Channel	Bandwidth: 10 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
Modulation	Channel	[dB]	[dB]	Verdict
	LCH	4.92	<13	PASS
QPSK	MCH	4.95	<13	PASS
	НСН	4.78	<13	PASS
	LCH	5.75	<13	PASS
16QAM	MCH	5.8	<13	PASS
	НСН	5.69	<13	PASS

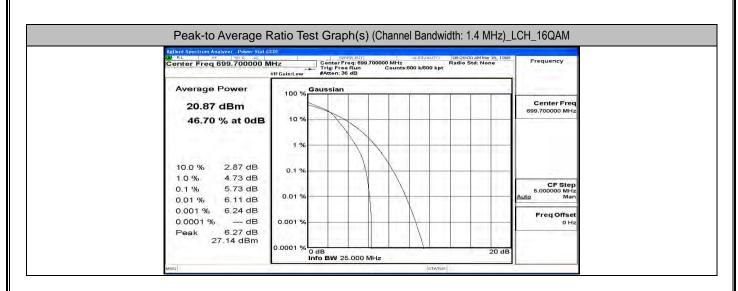
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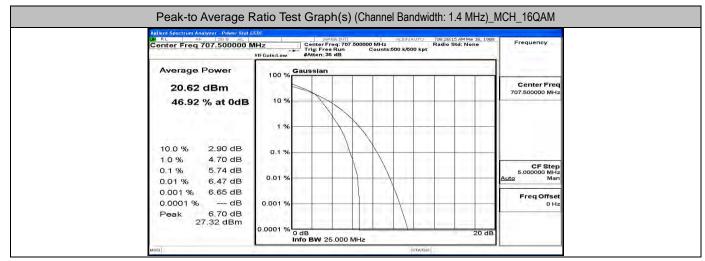




LA RL RE 50 9 AL	ADT SPNSE:DVT	BOL OTUANDUS	28:23 AM Mar 18, 1988	Frequency
Center Freq 715.300000 N	Hz Center Freq: 715 Trig: Free Run #If Gain:Low #Atten: 36 dB	.300000 MHz Rad Counts:500 k/500 kpt	lio Std: None	Frequency
	F			
Average Power	100 % Gaussian			
21.52 dBm				Center Freq 715.300000 MHz
49.52 % at 0dB	10 %			
1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m				
	1 %			
		N		
10.0 % 2.46 dB 1.0 % 3.91 dB	0.1 %			
0.1% 4.46 dB				CF Step 5.000000 MHz
0.01 % 4.70 dB	0.01 %			Auto Man
0.001 % 4.76 dB				Freq Offset
0.0001 % dB	0.001 %			0 Hz
Peak 4.78 dB 26.30 dBm				
20.00 0011	0.0001 % 0 dB		20 dB	

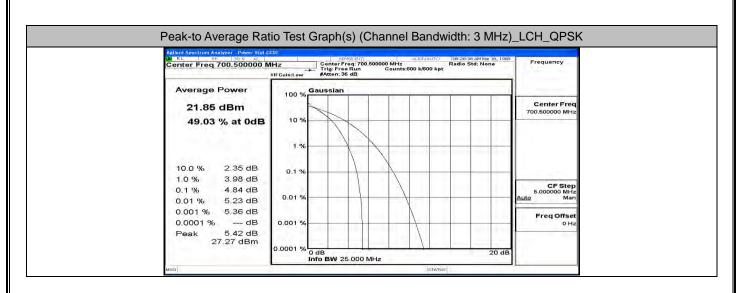
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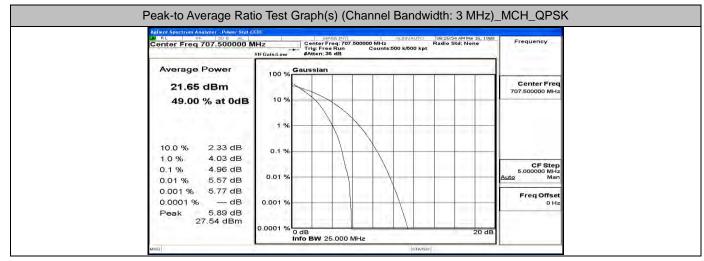




Center Pred 715.30000 mil Trig Pres Rin Counts:000 kpt Average Power 20.49 dBm 10 % Gaussian Center Freq 715.30000 MHz 47.29 % at 0dB 10 % 0.1 % 0.1 % 0.1 % 0.1 % 10.0 % 2.86 dB 0.1 % 0.1 % 0.1 % 0.01 % 0.01 % 5.61 dB 0.01 % 0.01 % 0.01 % Freq 0ffset 0.001 % 5.76 dB 0.001 % 0.001 % 0.01 % 0.01 % 0.01 %	Adlent Spectrum Analyzer - Power Stat	56	NSE:[NY] req: 715.300000 MHz		31 AM Mar 18, 1988 Std: None	Frequency
20.49 dBm 100 % Center Freq 47.29 % at 0dB 10 % 10 % 715.300000 MHz 10.0 % 2.86 dB 0.1 % 1 % 715.300000 MHz 10.0 % 2.86 dB 0.1 % 0.1 % 715.300000 MHz 10.0 % 5.31 dB 0.1 % 0.1 % 715.300000 MHz 0.01 % 5.31 dB 0.01 % 716.30000 MHz 716.300000 MHz 0.001 % 5.75 dB 0.01 % 716.30000 MHz 716.30000 MHz 0.001 % 5.75 dB 0.01 % 716.30000 MHz 716.300000 MHz	Center Fred 715.3000001	Trig: Fre	e Run Counts:	500 k/500 kpt		a a second second
20.49 dBm Center Freq 47.29 % at 0dB 10 % 10.0 % 2.86 dB 1.0 % 1 % 1% 1 % 1% 1 % 1% 1 % 1% 1 % 1% 1 % 10.0 % 2.86 dB 0.1 % 5.31 dB 0.01 % 5.61 dB 0.01 % 5.75 dB 0.001 % 5.75 dB 0.001 % 0.001 %	Average Power	100 % Gaussian	Α			
10.0 % 2.86 dB 1.0 % 4.60 dB 0.1 % 5.31 dB 0.01 % 5.61 dB 0.001 % 5.75 dB 0.0001 % dB						
10.0 % 2.86 dB 0.1 %	47.29 % at 0dB	10 %				
10.0 % 2.86 dB 0.1 % 1.0 % 4.60 dB 0.1 % 0.1 % 5.31 dB 0.01 % 0.01 % 5.61 dB 0.01 % 0.001 % 5.75 dB 0.001 % 0.0001 % dB 0.001 %	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 %		and the second		
1.0 % 4.60 dB 0.1 % CF Step 0.1 % 5.31 dB 0.01 % CF Step 0.01 % 5.61 dB 0.01 % Man 0.001 % 5.75 dB 0.001 % Freq Offset 0.0001 % dB 0.001 % 0.01 %	• 0.0 (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b		$ \rangle \rangle$			
0.1 % 5.31 dB 0.01 % 5.61 dB 0.001 % 5.75 dB 0.001 % dB 0.001 %	half of the second seco	0.1 %				
0.001 % 5.75 dB 0.0001 %	0.1 % 5.31 dB	0.01 %				5.000000 MHz
0.0001 % dB 0.001 % 0Hz		Lange and the				Freq Offset
Peak 5.76 dB		0.001 %		$\left \right\rangle$		
26.25 dBm 0.0001 %	26 25 dBm	1014 C				

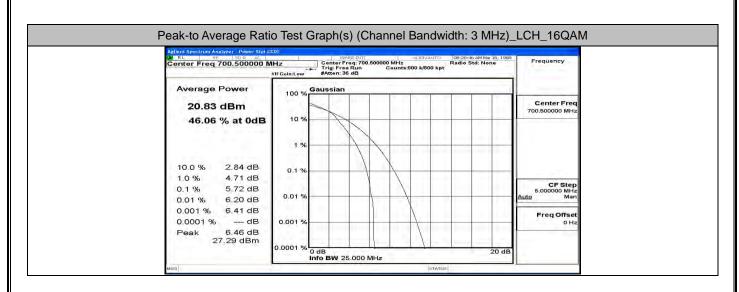
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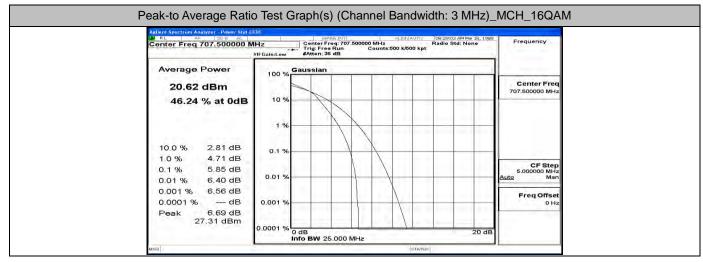




Center Freq 714.500000 MHz Center Freq: 714.500000 #IFGain:Low #Atten: 36 dB	Hz Radio Std: None	Frequency
	ants:500 k/500 kpt	a south of the
Average Power 100 % Gaussian		1
21.47 dBm		Center Freq 714.500000 MHz
48.65 % at 0dB		
1 %		
10.0 % 2.32 dB		
1.0 % 3.82 dB 0.1 %		
0.1 % 4.45 dB 0.01 % 4.71 dB 0.01 %		CF Step 5.000000 MHz Auto Man
0.001 % 4.84 dB	λ	Freq Offset
0.0001 % dB 0.001 %		0 Hz
Peak 4.86 dB 26.33 dBm 0.0001 % 0 dB		

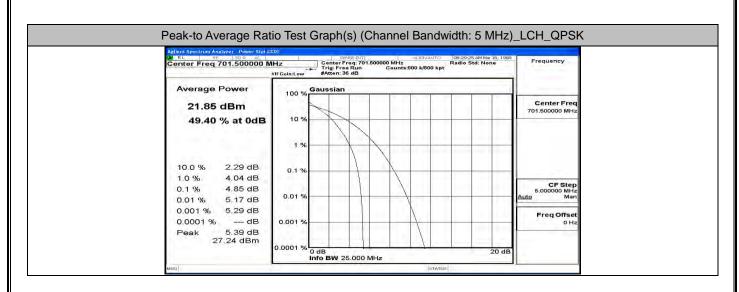
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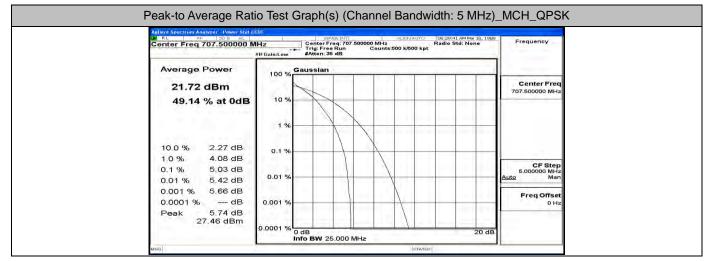




Center Freg 714,500000 I	CON SENSE INT		29:17 AM Mar 18, 1988 lo Std: None	Frequency				
Center Fred 714.5000001	#IFGain:Low #Atten: 36 dB	Trig: Free Run Counts:500 k/500 kpt						
Average Power	100 % Gaussian			-				
20.42 dBm				Center Freq 714.500000 MHz				
46.11 % at 0dB	10 %							
1.1.1.1.1.1.1	1 %							
10.0 % 2.86 dB	0.1 %							
1.0 % 4.60 dB 0.1 % 5.40 dB				CF Step 5.000000 MHz				
0.01 % 5.73 dB 0.001 % 5.88 dB	0.01 %	X		<u>Auto</u> Man				
0.0001 % — dB	0.001 %			Freq Offset 0 Hz				
Peak 5.94 dB 26.36 dBm	1042 S E-1							
	0.0001 % 0 dB		20 dB					

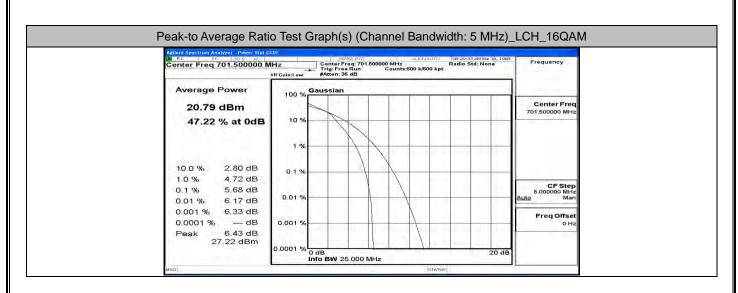
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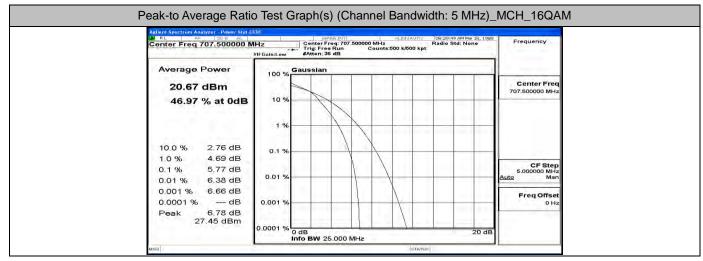




		:INT ALIENAUT q: 713.500000 MHz	0 08:29:57 AM Mar 18, 1988 Radio Std: None	Frequency
Center Freq 713.500000 I	#IFGain:Low #Atten: 36 of	A A AMERICAN DESIGNATION		
Average Power	100 % Gaussian			
21.43 dBm				Center Freq 713.500000 MHz
48.73 % at 0dB	10 %			
1.	1 %			
10.0 % 2.29 dB	0.1 %			
1.0 % 3.91 dB				CF Step
0.1 % 4.64 dB 0.01 % 4.97 dB	0.01 %			5.000000 MHz Auto Man
0.001 % 5.26 dB 0.0001 % dB	0.001 %			Freq Offset 0 Hz
	0.001 /0			UHZ

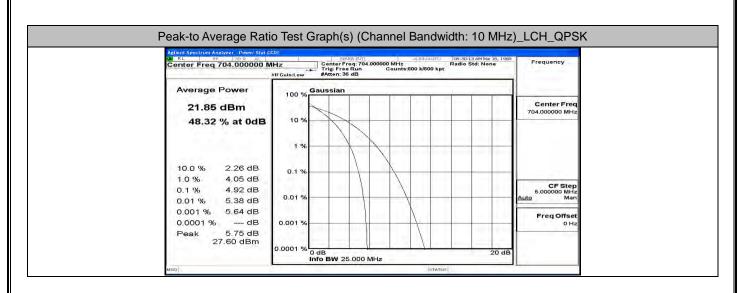
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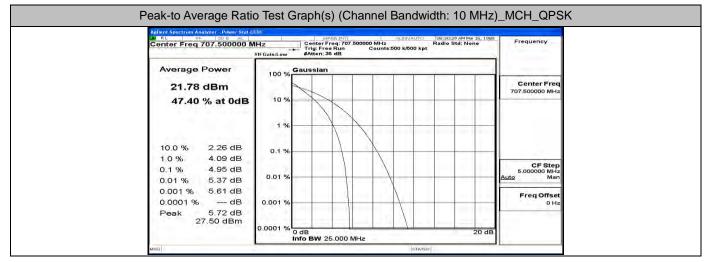




Center Freq 713.500000 MHz
CF Step 5.000000 MHz Ito Man
Freq Offset 0 Hz

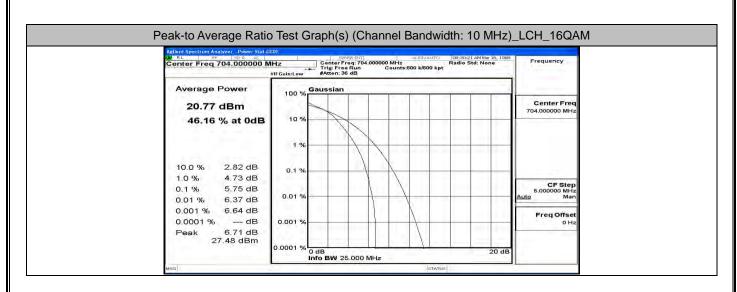
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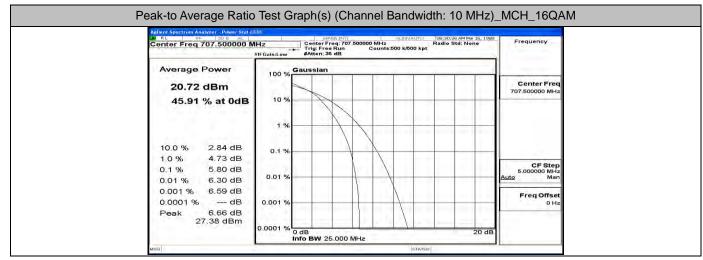




Center Freq 711.000000 MHz Center Freq 711.000000 MHz Radio Std: None Average Power 21.43 dBm 100 % Gaussian Center Freq 711.000000 MHz Center Freq 711.000000 MHz 49.39 % at 0dB 10 % 0.1 % 0.1 % 0.1 % 0.1 % 10.0 % 2.19 dB 0.1 % 0.1 % 0.1 % 0.01 % 0.001 % 5.56 dB 0.001 % 0.01 % 0.01 % 0.01 % 0.001 % 5.75 dB 0.01 % 0.01 % 0.01 % 0.01 %	Agilent Spectrum Analyzer Power Stat G	SENSE:	1718 YM	NAUTO 08:30:46 AM Mar 18, 1988	Frequency				
Average Power 21.43 dBm 100 % Gaussian Center Freq 711.000000 MHz 49.39 % at 0dB 10 % 1 % 1 % Center Freq 711.000000 MHz 10.0 % 2.19 dB 0.1 % 1 % Center Freq 711.000000 MHz 10.0 % 3.91 dB 0.1 % 0.1 % CF Step 0.01 % 5.25 dB 0.01 % 0.01 % Preq Offset 0 Hz 0.001 % 5.54 dB 0.001 % 0.001 % Preq Offset 0 Hz	All a set of the second of the	Trig: Free Run Counts:500 k/500 kpt							
21.43 dBm 100 % Center Freq 49.39 % at 0dB 10 % 10 % 10 % 10.0 % 2.19 dB 10 % 1 % 10.0 % 3.91 dB 0.1 % 0.1 % 0.1 % 5.25 dB 0.01 % 0.01 % 0.001 % 5.54 dB 0.001 % Freq Offset Peak 5.75 dB 0.001 % 10 %		1							
21.43 dBm 10 % 711.000000 MHz 49.39 % at 0dB 10 % 1 % 10.0 % 2.19 dB 0.1 % 1 % 10.0 % 3.91 dB 0.1 % 0.1 % 0.01 % 5.25 dB 0.01 % 0.01 % 0.001 % 5.54 dB 0.001 % Peak 5.75 dB	Average Fower	100 % Gaussian			The second statements				
10.0 % 2.19 dB 0.1 % 1.0 % 3.91 dB 0.1 % 0.1 % 4.78 dB 0.01 % 0.01 % 5.25 dB 0.01 % 0.001 % 5.54 dB 0.001 % 0.0001 %	21.43 dBm								
10.0 % 2.19 dB 0.1 % 1.0 % 3.91 dB 0.1 % 0.1 % 4.78 dB 0.01 % 0.01 % 5.25 dB 0.01 % 0.001 % 5.54 dB 0.001 % 0.0001 %	49.39 % at 0dB	10 %							
10.0 % 2.19 dB 0.1 % 1.0 % 3.91 dB 0.1 % 0.1 % 4.78 dB 0.01 % 0.01 % 5.25 dB 0.01 % 0.001 % 5.54 dB 0.001 % 0.001 % 5.75 dB 0.001 %									
1.0 % 3.91 dB 0.1 % 0.1 % 0.01 % <td></td> <td>1 %</td> <td></td> <td></td> <td></td>		1 %							
1.0 % 3.91 dB 0.1 % CF Step 0.1 % 4.78 dB 0.01 % 0.01 % 0.01 % 5.25 dB 0.01 % 0.01 % 0.001 % 5.54 dB 0.001 % Freq Offset 0.001 % 5.75 dB 0.001 % 0.01 %									
0.1 % 4.78 dB 0.01 % 5.25 dB 0.001 % 5.54 dB 0.001 % - dB 0.001 % - dB 0.001 % dB 0.001 % dB 0.001 %	half of an and the second seco	0.1 %							
0.01 % 5.25 dB 0.01 % Auto Man 0.001 % 5.54 dB 0.001 %					CF Step				
0.0001 % dB 0.001 % 0Hz		0.01 %							
0.0001 % dB 0.001 % 0 Hz Peak 5.75 dB	0.001 % 5.54 dB		$\lambda = \lambda$		Eren Offset				
	0.0001 % dB	0.001 %							

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		Freg: 711.00000		TO T08:30:54 AM Mar 18, 1988 Radio Std: None	Frequency
Center Freq 711.000000	#IFGain:Low #Atten	a second second			
Average Power	100 % Gaussia	an l			
20.39 dBm					Center Freq 711.000000 MHz
46.99 % at 0dB	10 %				
1000	1 %	XX			
1453 G12-2					
10.0 % 2.83 dB 1.0 % 4.67 dB	0.1 %		\land		
0.1 % 5.69 dB 0.01 % 6.24 dB	0.01 %				CF Step 5.000000 MHz Auto Man
0.001 % 6.45 dB	and the second sec				Freq Offset
	0.001 %				0 Hz
0.0001 % dB Peak 6.57 dB					

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H.3 26dB Bandwidth and Occupied Bandwidth

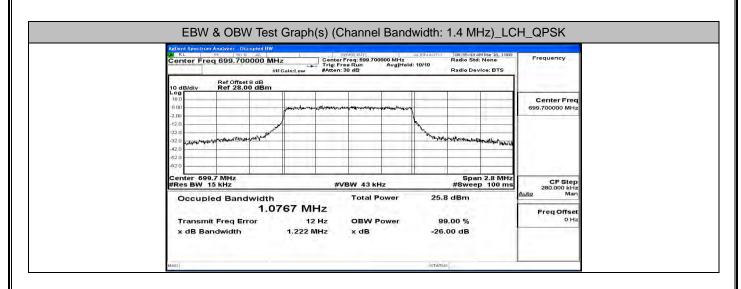
	EBW & OBW Te	st Result (Channel Band	width: 1.4 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Channer	(MHz)	(MHz)	Verdict
	LCH	1.0767	1.222	PASS
QPSK	MCH	1.0740	1.216	PASS
	НСН	1.0766	1.244	PASS
	LCH	1.0725	1.189	PASS
16QAM	MCH	1.0778	1.247	PASS
	НСН	1.0759	1.228	PASS

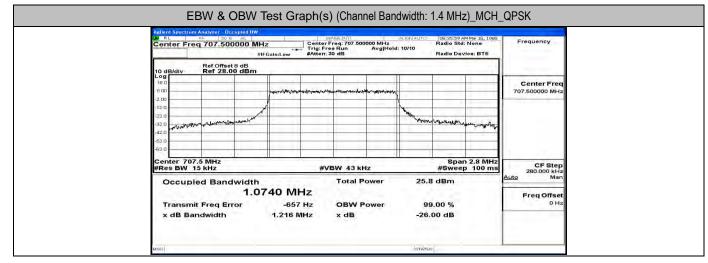
	EBW & OBW T	est Result (Channel Ban	dwidth: 3 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldton	Ghannei	(MHz)	(MHz)	Verdict
	LCH	2.6819	2.828	PASS
QPSK	MCH	2.6836	2.834	PASS
	НСН	2.6774	2.837	PASS
	LCH	2.6753	2.828	PASS
16QAM	MCH	2.6786	2.820	PASS
	НСН	2.6774	2.832	PASS

	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
MODULATION	Channel	(MHz)	(MHz)	Verdict
	LCH	4.4667	4.894	PASS
QPSK	MCH	4.4779	4.923	PASS
	HCH	4.4802	4.804	PASS
	LCH	4.4804	4.877	PASS
16QAM	MCH	4.4841	4.959	PASS
	HCH	4.4666	4.821	PASS

	EBW & OBW Te	est Result (Channel Band	dwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Ghanne	(MHz)	(MHz)	Verdict
	LCH	8.9648	9.624	PASS
QPSK	MCH	8.9623	9.603	PASS
	НСН	8.9182	9.448	PASS
	LCH	8.9358	9.574	PASS
16QAM	MCH	8.9575	9.529	PASS
	НСН	8.9170	9.379	PASS

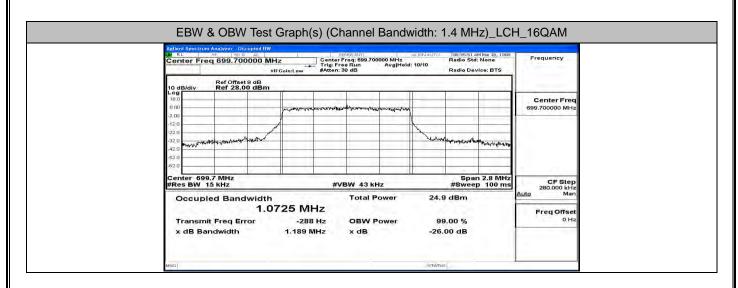
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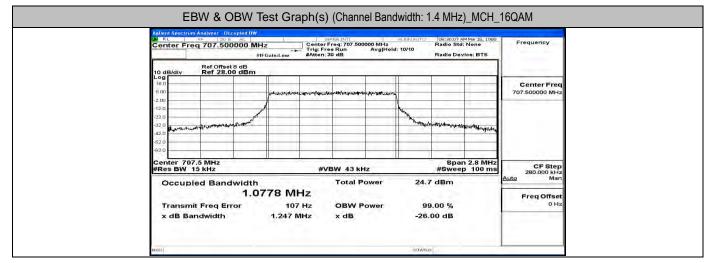




Mar RL ≪F 190.9 AC SENSENTI AUGUAUTO D0256:15.AM Mar 18, 1088 Center Freq 715.300000 MHz Center Freq: 715.300000 MHz Radio Std: None Trig: Freg Run Avg Hold: 10/10								
Ref Offset 8 dB	#IFGain:Low	#Atten: 30	dB	CELLO	1000X	Radio Devi	ice: BTS	
10 dB/div Ref 28.00 dBm		-		1				
6.00	manuna	Hale and the name		Munnth			-	Center Free 715.300000 MH
-2.00	1				4	1		
-22.0 -32.0 -42.0					was server	www.hare.itady.you	and a color and a	
-62.0			-					
Center 715.3 MHz #Res BW 15 kHz		#VB	W 43 kHz		-		2.8 MHz 0 100 ms	CF Step 280.000 kHz
Occupied Bandwidth			Total Pow	ver	25.	6 dBm		Auto Man
	766 MH							Freq Offset
Transmit Freq Error x dB Bandwidth	-3.512 kH		OBW Pov x dB	ver		9.00 % .00 dB		0 H2

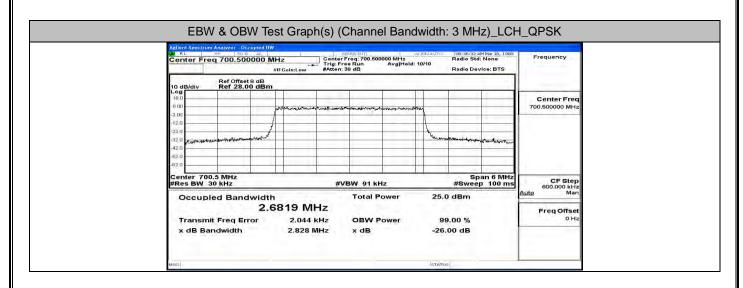
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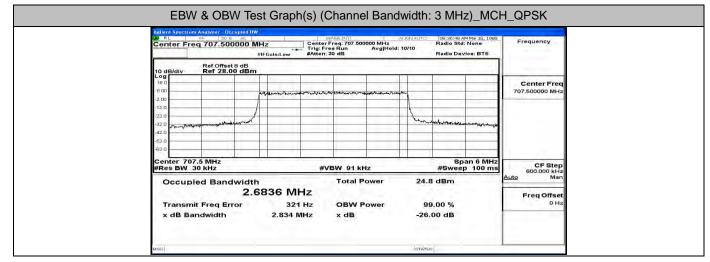




Center Freq 715.300000 MHz SetMin Program Autor Program RL RL								
Ref Offset 8 dB	'n			0				
Log 18:0 6:00		wanner	har an provide the set of the				Center Freq 715.300000 MHz	
-2.00				hone				
-22.0 -32.0 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				Wayar.	and metangenes	son and and and		
-62 0 Center 715.3 MHz					Span	2.8 MHz		
#Res BW 15 kHz	3W 15 kHz #			#Sweep 100 ms			CF Step 280.000 kHz Auto Man	
Occupied Bandwidth 1.0759 MHz			tal Power	24.	4 upm		FreqOffset	
Transmit Freq Error x dB Bandwidth	-724 H 1.228 MH		3W Power BB		9.00 % .00 dB		0 Hz	

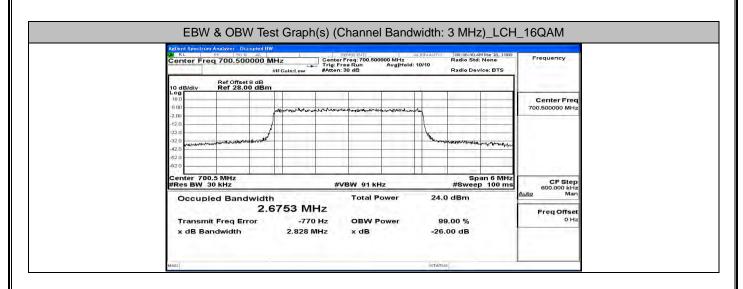
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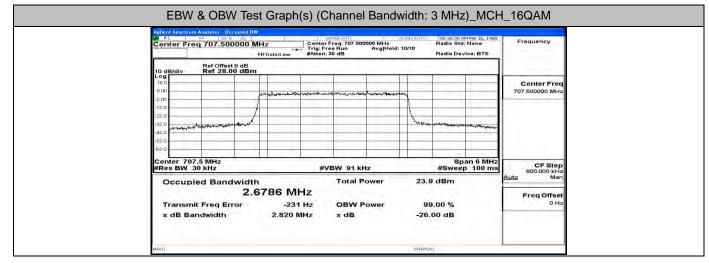




Aglent Spectrum Analyzer - Occupied DW Call RL - 95 50 9 AC SenSEIDTI - AUGVAUTO - Dec37:05 AM Mar 18, 1988											
Center Freq 714.500000 MHz Center Freq: 714.500000 MHz Radio Std: None # Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB Radio Device: BTS											
a ta a a fina da	#IFGain:Low	#Atten: 3				Radio De	VICe: BIS				
10 dB/div Ref 28.00 dBn											
ie.0	11.			1	1			Center Freq			
6.00	mannaman	-	manthe	Manutary	-		-	714.500000 MHz			
-2,00	1				1						
CENT I I I I I I I I I I I I I I I I I I I	/	_			1	_					
-22.0 -32.0 martin and martin and and and and and and a second se					and	millippingener	Anorana marker and				
-42.0											
-62.0											
Center 714.5 MHz #Res BW 30 kHz		#V	BW 91 kHz	,			pan 6 MHz p 100 ms	CF Step			
Occupied Bandwidt		Total Po		24	6 dBm	e 1112,000	600.000 kHz Auto Man				
		17	rotai ro	, wei	2.4.	o abili					
2.6774 MHz Transmit Freq Error -3.587 kHz			OBW Power		r 99.00 %		Freq Offset 0 Hz				
x dB Bandwidth	2.837 N	IHz	x dB		-26	.00 dB					

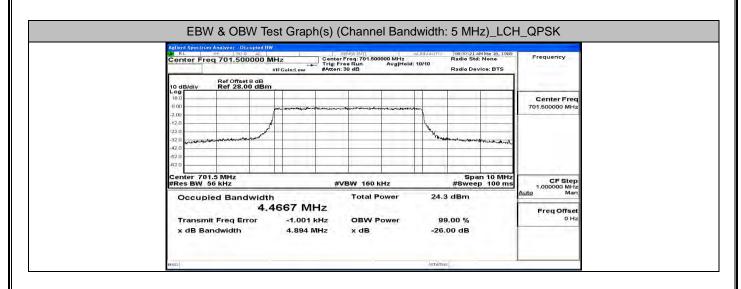
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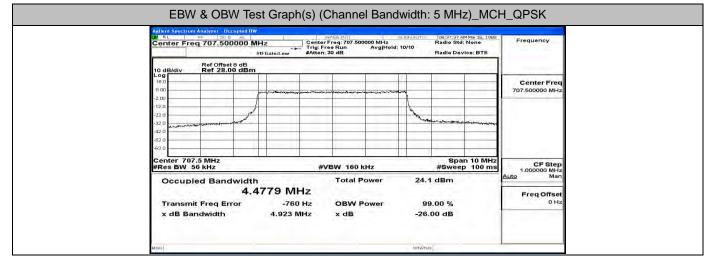




Center Freq 714.500000			reg: 714.500	000 MHz	LIGN AUTO	Radio Std	M Mar 18; 1988	Frequency
Center Freq 7 14.500000	#IFGain:Low		e Run	Avg Hold:	10/10	Radio Dev		4
Ref Offset 8 dB								
	11.11			1	1		1 2 3	Center Freq
6 00	all minimum	10+10-10-10-10-10-10-10-	more hand have	man man man		-	-	714.500000 MHz
-2,00					1			
-22.0					X		-	
-32.0 martineshipton and a second state					www	man and a strand	an main many way	
-62.0		-	-		-			
-62.0				-				Laure Course
Center 714.5 MHz #Res BW 30 kHz		#V	BW 91 KH	z			an 6 MHz p 100 ms	CF Step 600,000 kHz
Occupied Bandwid	th		Total Po	ower	23.	5 dBm		Auto Man
2.	.6774 MI	Ηz						Freq Offset
Transmit Freq Error	-10.201	kHz	OBW P	ower	9	9.00 %		0 H2
x dB Bandwidth	2.832 M	AHz	x dB		-26	00 dB		

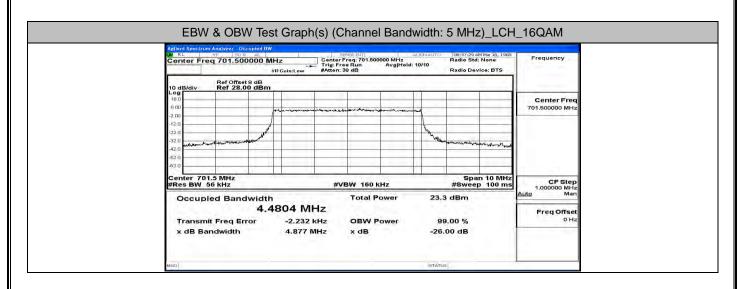
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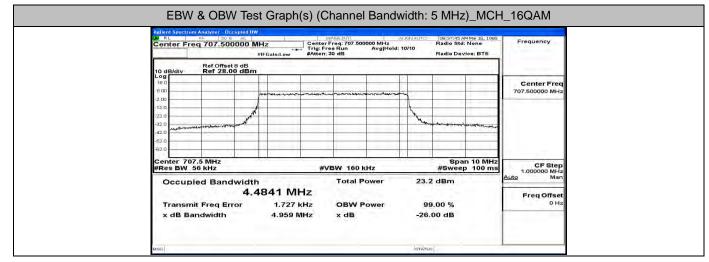




Frequency	Mar 18, 1988 None	Radio Std:		000 MHz	Freq: 713.50	Center	-lz	0000 M	eq 713.500	Center Fr
	ice: BTS	Radio Dev	0/10	Avg Hold:	ee Run 30 dB	#Atten:	IFGain:Low			
									Ref Offset Ref 28.0	10 dB/div
Center Fred				1						ie.0
713.500000 MH			1	-	manne	- marine	ato a fait , so we we	-	-	6.00
		-	1						-	12.0
		and a	m		-			work	manuna	22.0
	Prada Annanateuro		1014			_				42.0
					-	-			-	-62 0 -62 0
	n 10 MHz	Snar				-	1		3.5 MHz	Center 71
CF Step 1.000000 MHz	0 100 ms			Hz	BW 160	#V				#Res BW
<u>Auto</u> Mar		dBm	23.9	ower	Total I				ied Band	Occup
Freq Offset						Hz	802 M	4.4		
0 H:		.00 %		ower	OBW		-10.912	ror	nit Freq Err	
		00 dB	-26.		x dB	MHz	4.804		andwidth	x dB Ba

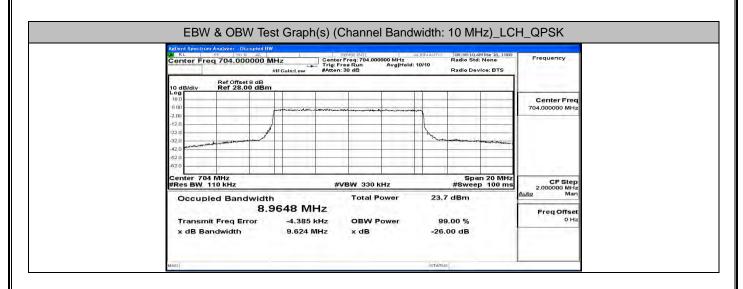
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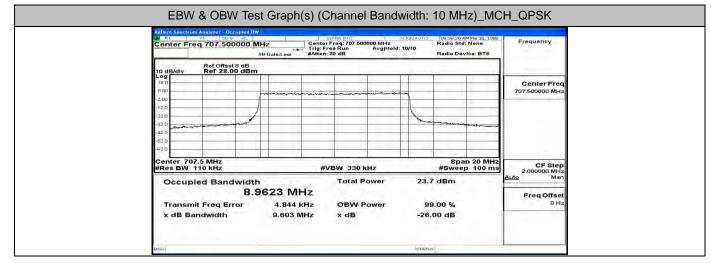




Center Freq 713.500000		Cente	SENSE:MY r Freq: 713.500	000 MHz	GNAUTO	Radio Std	M Mar 18, 1988	Frequency
Center Freq 713.500000	#IFGain:Low	Trig: F	ree Run : 30 dB	Avg Hold: 10	0/10	Radio Dev		
Ref Offset 8 dB								
		1				1		Center Freq
6.00	mannen	-	-	monument	-	-	-	713.500000 MHz
-2.00	1				1			
-22.0	1		-		1			
-32.0 Historication and the factories of the second statements					~		suburgente	
-62.0			-		-		-	
Center 713.5 MHz						Ena	n 10 MHz	1
#Res BW 56 kHz		#	VBW 160 H	Hz			5 100 ms	CF Step 1.000000 MHz
Occupied Bandwid	The second se	and a	Total P	ower	22.5	dBm		<u>Auto</u> Man
4	.4666 N	/Hz						Freq Offset
Transmit Freq Error	-10.65		OBW P	ower		9.00 %		0 Hz
x dB Bandwidth	4.821	MHz	x dB		-26.	00 dB		

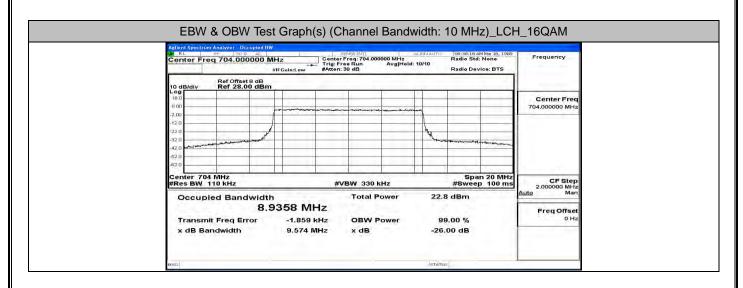
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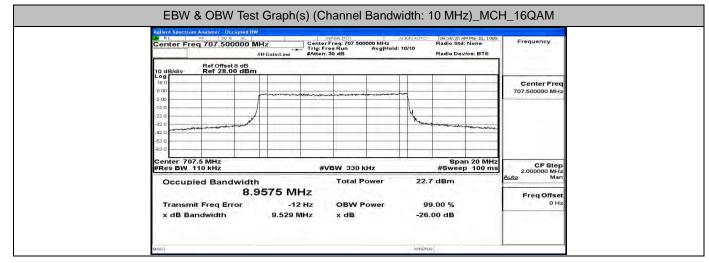




LW RL RE SDQ AC	1W/		ALIGNAUTO		AM Mar 18; 1988	
Center Freq 711.000000	Tr	nter Freq: 711.000000 MHz ig: Free Run Avg Ho tten: 30 dB	d: 10/10	Radio Std	2.7.11	Frequency
10 dB/div Ref Offset 8 dB Ref 28.00 dBr	m					
18.0 18.0 16.00	and the second second	n-countration of the second	**			Center Fred 711.000000 MHz
-2.00						
-32.0					- Andrew	
-62.0						л
Center 711 MHz #Res BW 110 kHz		#VBW 330 kHz	~ ~ ~		n 20 MHz p 100 ms	CF Step 2.000000 MHz
Occupied Bandwidt 8.	th .9182 MHz	Total Power	23.	2 dBm		Auto Man Freq Offset
Transmit Freq Error x dB Bandwidth	-2.860 kHz 9.448 MHz			9.00 % .00 dB		0 Hz

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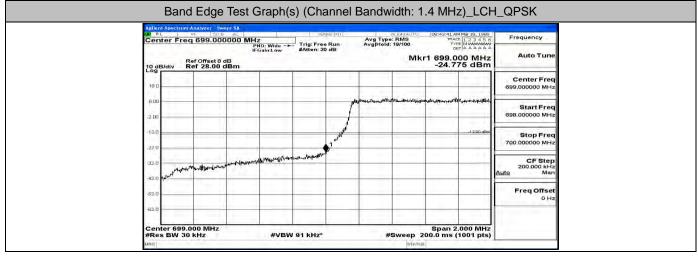


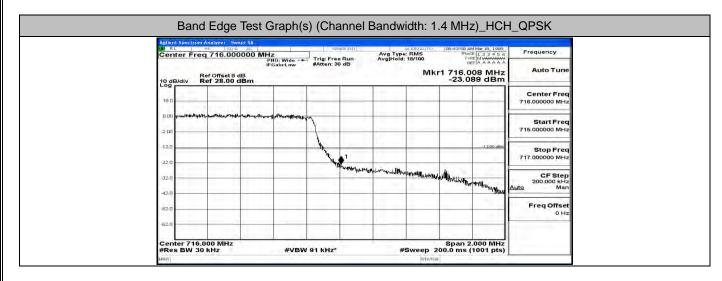


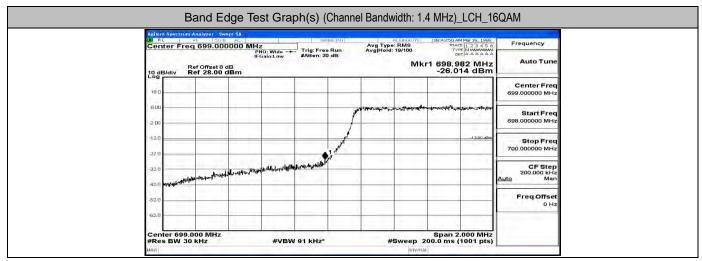
Frequency	M Mar 18, 1988 None	Radio Std:	GNAUTO	0000 MHz	Freq: 711	Cente	-Iz		eq 711.00	
	vice: BTS	Radio Dev	10/10	Avg Hold	30 dB	#Atten	IFGain:Low			
								et 8 dB	Ref Offs	dB/div
Center Fre				1	1		1		Ker zo.	g
711.000000 MH			-	and the second s				_	_	no
			1					1	-	.0
			1	_			_	1		.0
	-	water	The stee				-	and	1 marchener l	
	- and a start of the start of t		1							.0
			-	_				-		0
CF Ste 2.000000 MH	n 20 MHz p 100 ms		5	KHZ	/BW 33	#				enter 711 Res BW 1
Auto Ma		dBm	22.3	ower	Tota	_		dwidth	ied Ban	Occupi
Freq Offse						Hz	170 N			
OH		.00 %	91	ower	OBV	7 Hz	7	Irror	it Freq E	Transmi
		00 dB	-26		x dB	MHz	9.379		ndwidth	x dB Ba

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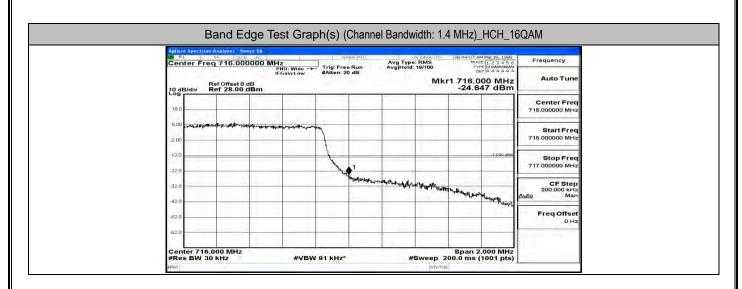
H.4 Band Edge

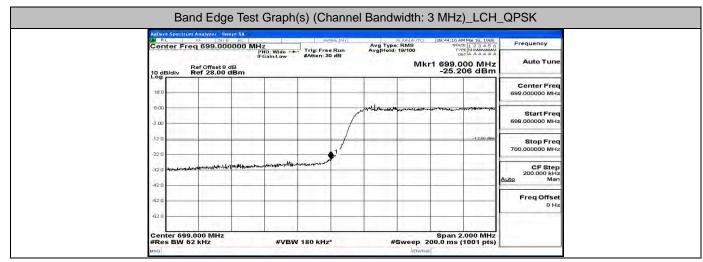






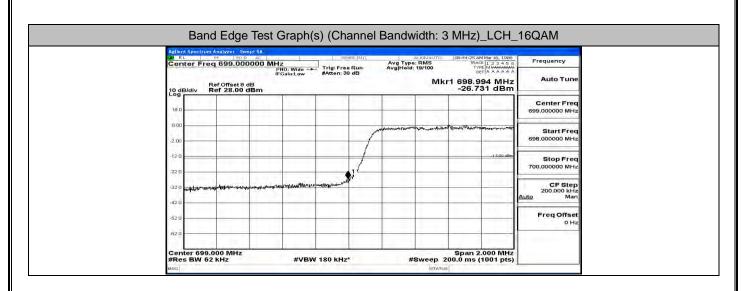
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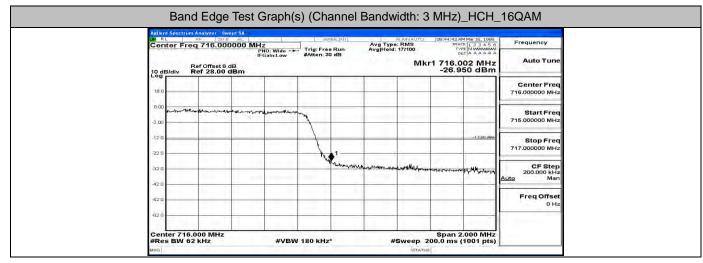




Agilen		Ris 200						IGNAUTO	08:44:34 AM		
	ter Fre	q 716.00	00000 MH	IZ PNO: Wide -+	The second second	ender: Mil	Avg Type: Avg Hold:	RMS	TRACI	123456 Mumanu	Frequency
	B/div F	Ref Offset 8 Ref 28.00	dB	FGain:Low	#Atten: 3	ID dB			716.0	14 MHz 54 dBm	Auto Tune
18.0										244	Center Freq 716.000000 MHz
0.00 -2.00	www.umme	entra-constantility		~~~~**********************************	www					1	Start Freq 715.000000 MHz
-12.0					+					-1 3,00 dBm	Stop Freq 717.000000 MHz
-22 0						S. Maringun	arle-moreculvered	havener	(ar-UMalpyrapa	kunonterannen	CF Step 200.000 kHz Auto Man
-42 0						-					Freq Offset 0 Hz

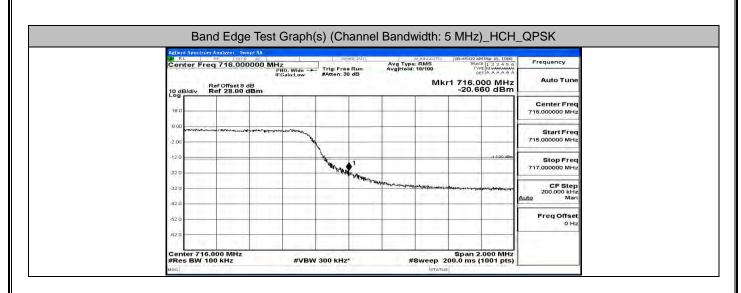
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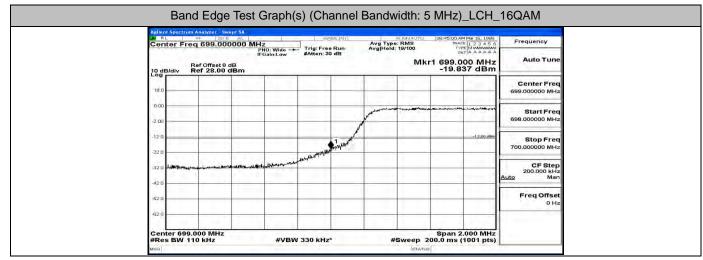




Center Freq 699.000000 MHz IFGainLow IFG IFG IFG IFG IFG IFG IFG IFG	Agilent Spectrum Analyzer Swept SA	SENSE DIV	AUGNAUTO 08:44:51 AM Mar 18, 1988	1
Ref Offsets dB Log Bidlu Ref Offsets dB Ref 28.00 dBm Mkr1 698.998 MHz -18.261 dBm Auto Tune 18.0	Center Freq 699.000000 MHz	1	VO TYDE: RMS TRACE 1 2 3 4 5 6	Frequency
18.0 Center Freq 699.00000 MHz 200 320 320 1300 MHz	IFGai Ref Offset 8 dB 10 dB/div Ref 28.00 dBm		Mkr1 698.998 MHz	Auto Tune
3.00				Center Freq 699.000000 MHz
32 0 Stop Freq 700,000000 MHz 32 0 Washington (Mitmasson 4) (Mi			per and the second s	Start Freq 698.000000 MHz
	12:0	Sugar and	-13.00 (lēm	Stop Freq
-42.0	22 0 32 0 Waadabahangeritan Wittingnopagatililaring	ware the state of the second of the second s		CF Step 200.000 kHz
FreqOffset	(2) In the state of the stat			Freq Offset 0 Hz

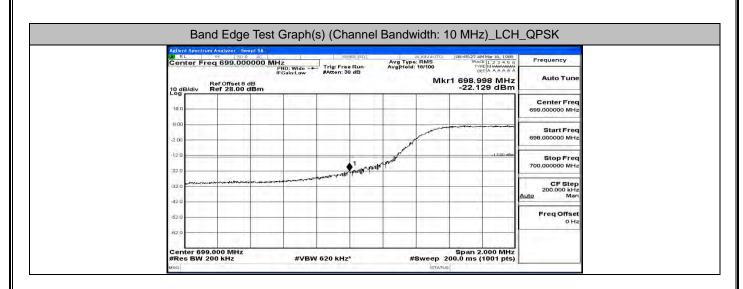
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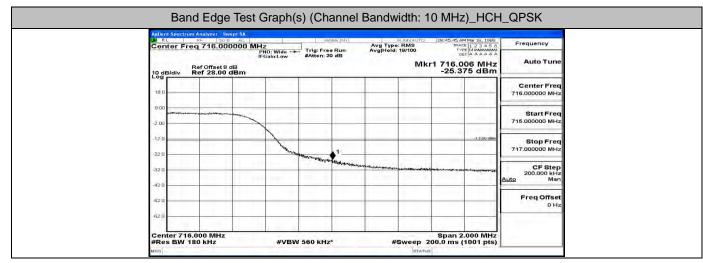




Center Freq 716.000000 MHz Into Wide Trig: Free Run Avg Type: RMS Avg Type	Agilent Spectrum Analyzer Swep	AC S	ENSE INT ALIGNAUTO	08:45:18 AM Mar 18, 1988	
Ref Offset 8 dB Mkr1 716.022 MHz Auto Tune 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -21.994 dBm Center Freq 10 dB/div Ref 28.00 dBm -150.0000 MHz Start Freq 10 dB/div -150.000 MHz -150.0000 MHz Start Freq 12 0 -150.000 MHz -150.000 MHz -1717.000000 MHz 12 0 -150.000 MHz -150.000 MHz -150.000 MHz 200.000 MHz -150.000 M		0000 MHz	Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
185 Center Freq 715.00000 MHz 200 320 120 100000 MHz 1200 100000 MHz 120 10000 MHz 120 100000 Mz <th>10 dB/div Ref 28.00 dE</th> <th>IFGain:Low #Atten:</th> <th>30 dB</th> <th>r1 716.022 MHz</th> <th>Auto Tune</th>	10 dB/div Ref 28.00 dE	IFGain:Low #Atten:	30 dB	r1 716.022 MHz	Auto Tune
200 Start Freq 715.00000 MHz 170					
Stop Freq Stop Freq Stop Freq Stop Freq Stop Freq Stop Freq The stop Freq	Allower and the second second second second			-	
520 Freq Offset	-12.0	No berg			Stop Freq
-62.0 Freq Offset			the terrain wat The stand and and and and and and and and and	المراجع	CF Step
-62.0 Freq Offset	-420	1 100 00000 000			Auto Man
	-62.0				Freq Offset

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LM RL	from Analyzer	AC AC		Set	MERE: MAY		ALIGNAUTO	08:45:30 AM Mar 18, 1989	Frequency
Center	Freq 699.0	P	NO: Wide	Trig: Fre	e Run	Avg Type Avg Hold	e: RMS : 19/100	TRACE 123450 TYPE MUMANAAAA DET A A A A A A	Frequency
10 dB/div	Ref Offset Ref 28.0	8 dB	Gain:Low	#Atten: 30	0 98		Mki	1 698.998 MHz -24.573 dBm	Auto Tune
18.0			1						Center Freq 699.000000 MHz
n.00								1969	Start Freq 698.000000 MHz
-2:00						Jun		-13,00 tiBer	Stop Freq
-22 0			-	- accent	1 population	m			700.000000 MHz
-32 0	يومونيون وروي وروي وروي وروي وروي وروي وروي	ter when the second second	and we approved						CF Step 200.000 kHz Auto Man
-62 0									Freq Offset 0 Hz
-62.0							-		

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5:54 AM Mar 18, 1988	TO DEPARTS AMM	aLIGNAUTI	SEMSEMIN		yzer Swept SA		Agilent S
TRACE 1 2 3 4 5 6 Frequence	TRACE 1	Avg Type: RMS Avg Hold: 17/100	Free Run): Wide Tri	16.000000 MHz		
and the second s	Nkr1 716.000	м	n: 30 dB	ain:Low #A	ifi 1fset8 dB 28.00 dBm	/div Ref	10 dB/d
Center 716.00000							18.0
Start 715.00000					annald annound the contract		8.00 ••••
-13.00 dBm Stop 717.000000							-12 0
CF 200.00 <u>Auto</u>	httphisminipages	Abat - mar free - mar f	alman and the second	فسألموس			-32 0
FreqC							-62 0

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H.5 Conducted Spurious Emission

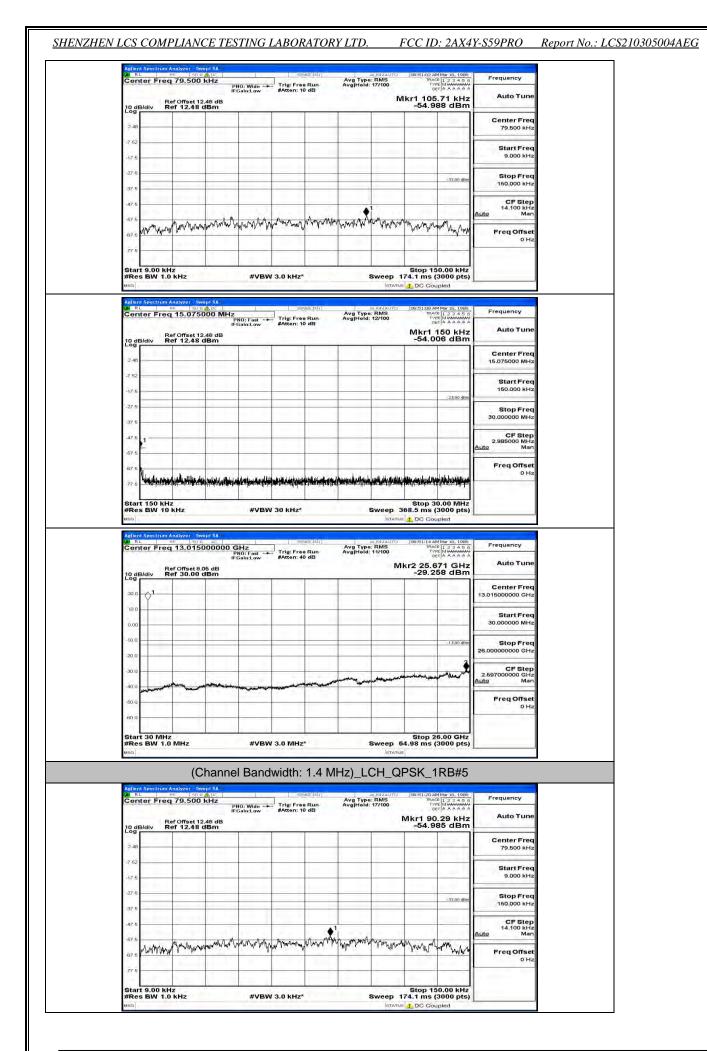
Appendix H: Conducted Spurious Emission

Test Graphs

Channel Bandwidth: 1.4 MHz

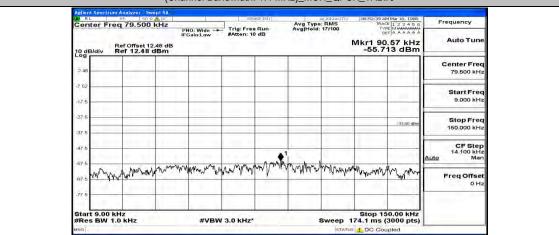
Agilent Spectrum Analyzer - Sw LW RL 95 50 S	ADC-	SENSE: MY	IGNAUTO 08:50:44 AM Mar 18,	1989 A 5.6 Frequency
Center Freq 79.500 Ref Offset 12 10 dB/div Ref 12.48	PNO: Wide Trig IFGain:Low #Atte	Avg Type: Free Run Avg Held: 1 en: 10 dB	RMS 17/100 17/10 17/100 7/100 17/100 00013 A A A Mkr1 105.95 k -55.666 dl	Hz Auto Tune
Log				Center Freq
-7 52				79.500 kHz
-17.6				Start Freq 9.000 kHz
-27.6	1.		1	Stop Freq
-37.6			-33.0	150.000 kHz
.47.6				CF Step 14.100 kHz Auto Man
-57.5 A MINUM MANN	a marting and the second	WHICH AND HAND WIND WIND	when have a why have the	Auto Man MM Freq Offset
			· · · · · · · · · · · · · · · · · · ·	0 Hz
-77 6				
Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 H	KHz* S	Stop 150.00 weep 174.1 ms (3000	(Hz pts)
MSG Agilent Spectrum Analyzer Sw	vept SA		STATUS J DC Coupled	
Center Freq 15.075	PNO: Fast Ing	Free Run Avg Type: Free Run Avg Hold: 1 en: 10 dB	IGNAUTO 08:50:50 AM Mar 18, RMS TRACE 1 2 3 1/100 TYPE MWWW DET A A A	1089 4 5 6 A A A
10 dB/div Ref Offset 12	2.48 dB		Mkr1 150 k -50,457 dl	Hz Auto Tune
Log				Center Freq
-7 52				15.075000 MHz
-17.6			in the second second	Start Freq 150.000 kHz
-27.6			-23.0	Stop Freq
-37.6				30.000000 MHz
-47.6				CF Step 2.985000 MHz
-67.6				Auto Man
-62.6 Audian allathe Lauren	underer and the other states are states and	المراجع والمراجع	فالمطابعة والقادان والملتين أنافر فسنرط فتستنبا	Freq Offset 0 Hz
	an a	dan de la maial e maial e marcel and cheste d'une ar chere.		
Start 150 kHz #Res BW 10 kHz	#VBW 30 k	Hz* S	Stop 30.00 N weep 368.5 ms (3000	1Hz pts)
MSG Agilent Spectrum Analyzer - Sw	vept SA		STATUS 🛃 DC Coupled	
Center Freq 13.015	PNO: Fast Ing	Sense Initia Avg Type: Free Run Avg Hold: 1 en: 40 dB	IGNAUTO 08:50:56 AM Mar 18; RMS TRACE 1 2 3 0/100 TYPE MWAA DET A A A	1089 4 5 6 A A A
Ref Offset 8.	05 dB		Mkr2 25.671 G -29.519 dl	Hz Auto Tune
Log		1		Center Freq
20.0				13.015000000 GHz
0.00		1		Start Freq 30.000000 MHz
-10.0	() () () () () () () () () ()		-130	o dam Stop Freq
-20.0				26.00000000 GHz
-50.0			and and the second and the	2.597000000 GHz
-10.0	and the state of t			Auto Man
				Freq Offset
-60.Q			a state of the second s	the second s
-60.0				

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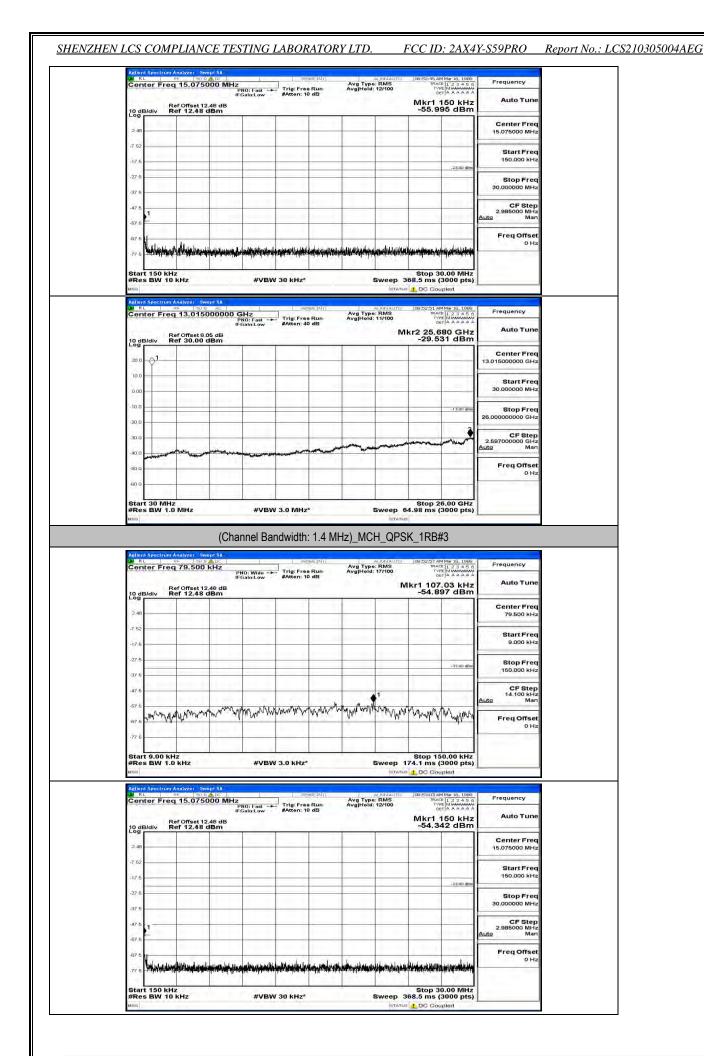


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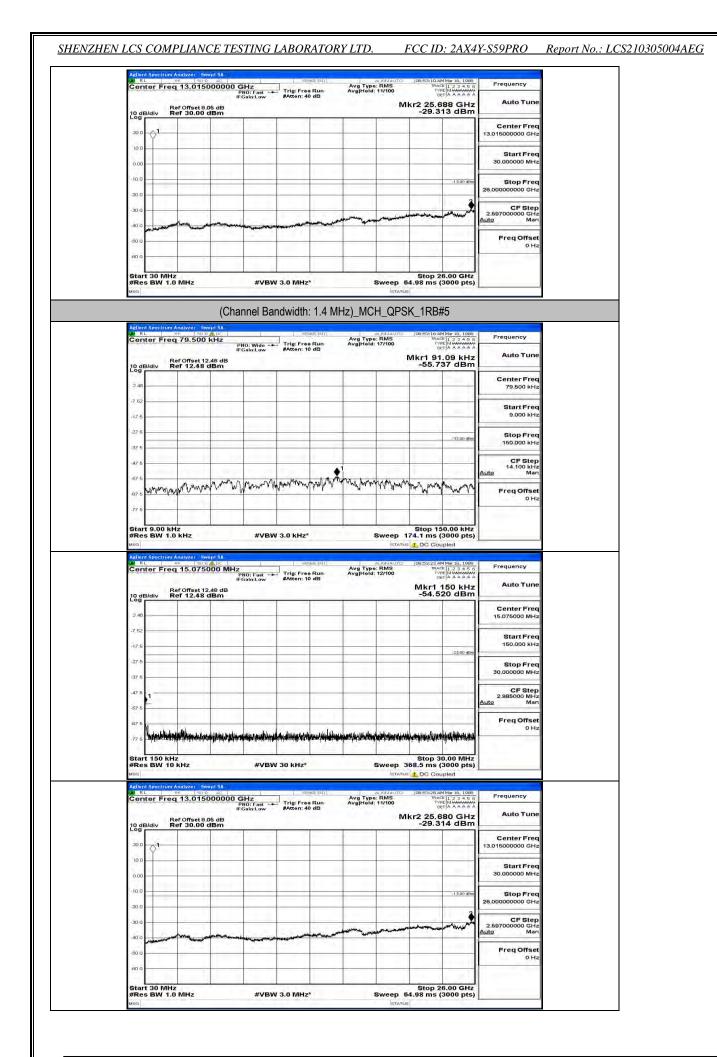
Ref Offset 12.45	O MHz PNO: Fast IF Gain:Low #Atten: 10 dB B dB	Avg Type: RMS Avg Hold: 12/100	08:51:20 AM Mar 18, 1088 TRACE 1 2 3 4 5 6 TYPE MANAGE DET A A A A A A Mkr1 150 kHz -53.049 dBm	Frequency Auto Tune	
10 dB/div Ref 12.48 dB	3m		-55.049 dBm	Center Freq 15.075000 MHz	
-7 52				Start Freq 150.000 kHz	
-27.6			-23.00 dBm	Stop Freq 30.000000 MHz	
-37.6				CF Step 2.985000 MHz	
-67.5				Auto Man Freg Offset	
	interimentation and an interimentation of the second	in the particular contract of the	-	0 Hz	
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*	Sweep	Stop 30.00 MHz 368.5 ms (3000 pts)	1	
MSG Agilent Spectrum Analyzer Swept	SA		E DC Coupled		
Center Freq 13.01500	00000 GHz PNO: Fast Trig: Free Run	Avg Type: RMS	08:51:32 AM Mar 18, 1988	Frequency	
	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	TRACE 123456 TYPE MWANAAAAA DET A A A A A A	The state of the state	
10 dB/div Ref 30.00 dB	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	TRACE 123456 TYPE MUNICARY DET A A A A A 1kr2 25.602 GHz -29.587 dBm	Auto Tune	
10 dB/div Ref Offset 8.05 Log Ref 30.00 dB	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	lkr2 25.602 GHz	The state of the state	
Log	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	lkr2 25.602 GHz	Auto Tune Center Freq	
	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	lkr2 25.602 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq	
	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	Ikr2 25.602 GHz -29.587 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.657000000 GHz	
	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	Ikr2 25.602 GHz -29.587 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz	
20 0 000 100 000 -10	IFGain:Low #Atten: 40 dB	Avg Hold: 11/100	Ikr2 25.602 GHz -29.587 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.69700000 GHz Auto Man Freq Offset	
Log	IFGain:Low #Atten: 40 dB		Ikr2 25.602 GHz -29.587 dBm 	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.69700000 GHz Auto Man Freq Offset	



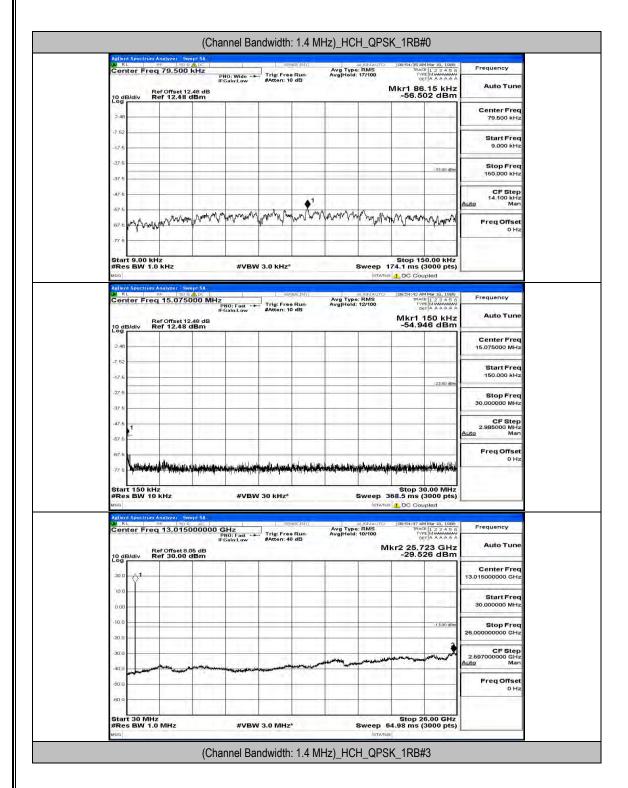
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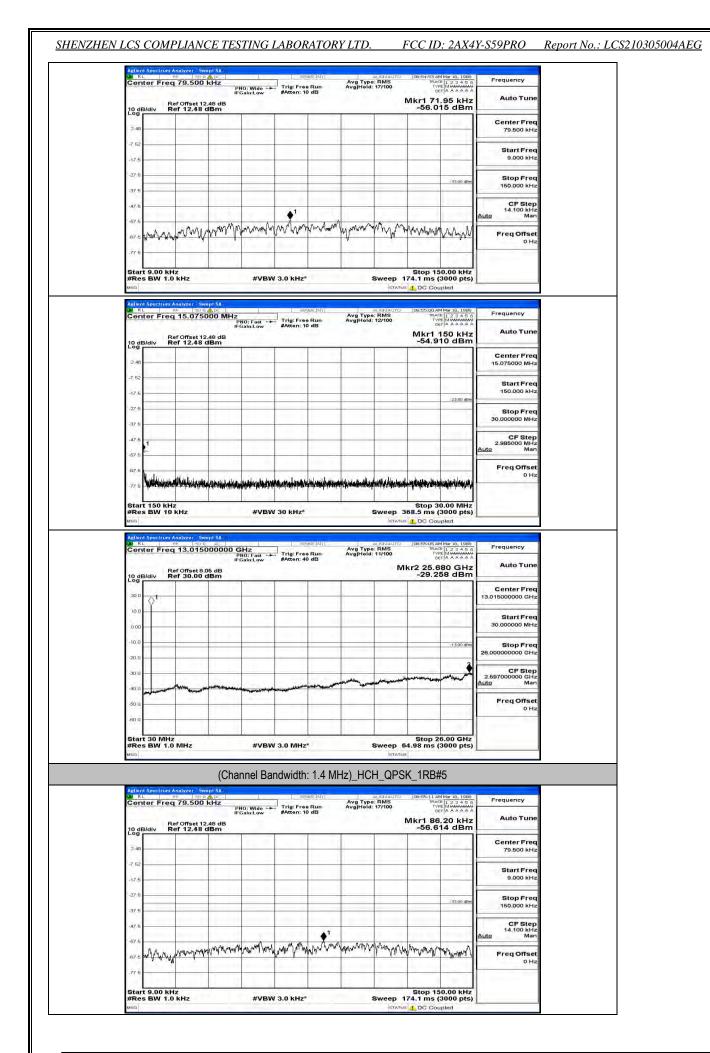
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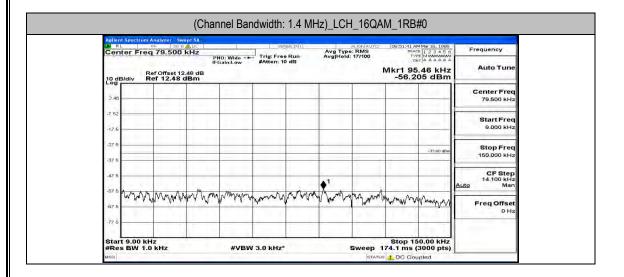


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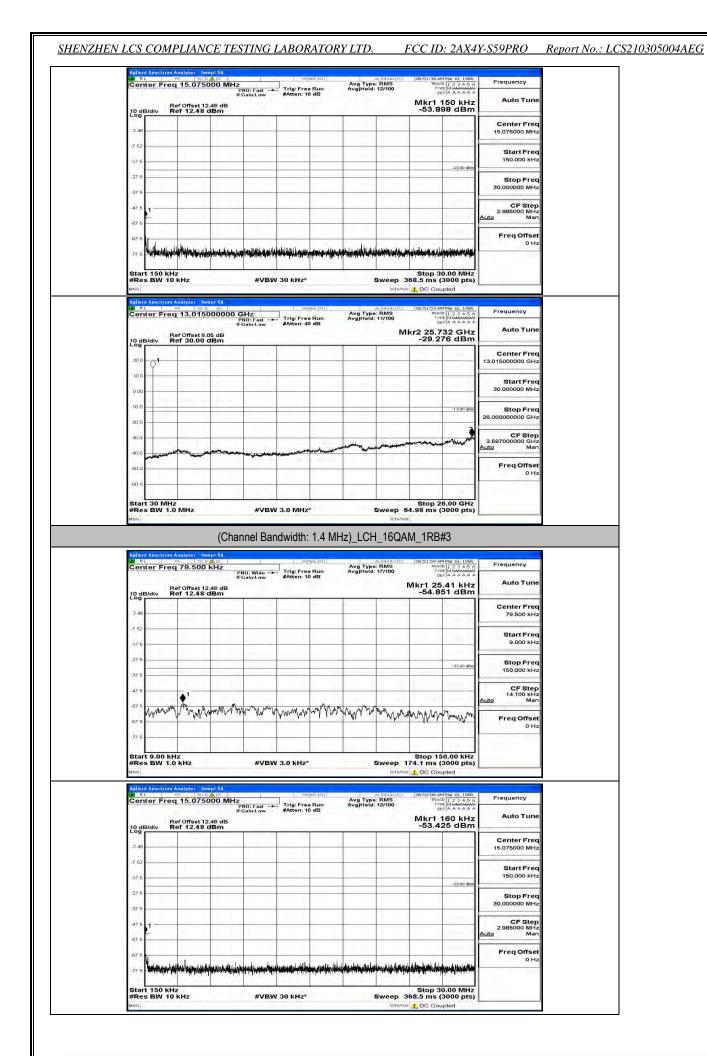


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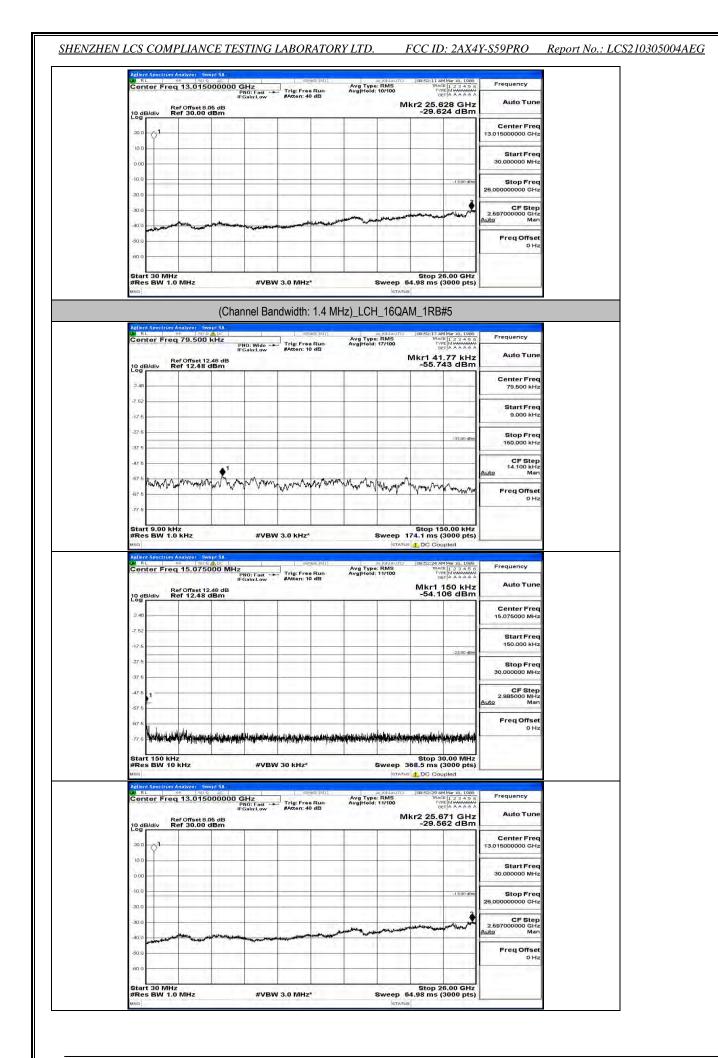
Center Freq 15	5.075000 MHz	Trig: Free Run	Avg Type: R Avg Hold: 12	MS TRACE 12345	Frequency	
Pator	PNO: Fas IFGain:Lo Ifset 12.48 dB	#Atten: 10 dB	Compression in	Mkr1 150 kHz	Auto Tune	
10 dB/div Ref 1	2.48 dBm			-52.919 dBm		
2.48					Center Freq 15.075000 MHz	
-7 52					Start Freq 150.000 kHz	
				-23.00 dBit		
-27.6					Stop Freq 30.000000 MHz	
47.5					CF Step 2.985000 MHz Auto Man	
Sec. 1 10	tiples i se				Freq Offset	
Start 150 kHz #Res BW 10 kHz ^{MSQ}	z #1	/в. 30 кн2*		Stop 30.00 MHz reep 368.5 ms (3000 pts) Istatus C Coupled	0 Hz	
-77 6 Start 150 kHz #Res BW 10 kHz Msg Adjent Spectrum Analyz RL 90	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 368.5 ms (3000 pts) Istatus DC Coupled	0 Hz	
77 6 Start 150 kHz #Res BW 10 kHz #Res BW 10 kHz #Ref 150ec(rum Analy Center Freq 13 Bef or Bef or	z #\ zer 5wept 5A 50 9 #/	/BW 30 kHz*	Sv	Stop 30.00 MHz reep 368.5 ms (3000 pts) Istatus & DC Coupled	Prequency Auto Tune	
577 6 Start 150 kHz #Res BW 10 kHz Genter Freq 13 Ber Or	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 386.5 ms (3000 pts) errarus DC Coupled	Prequency Auto Tune	
And the second s	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 386.5 ms (3000 pts) errarus DC Coupled	Center Freq 13.01500000 GHz Start Freq	
And the second s	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 386.5 ms (3000 pts) errarus DC Coupled	Frequency Auto Tune Center Freq 13.01500000 GHz	
Allen Gorter Freq 13 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 386.5 ms (3000 pts) letatus DC Coupled NAUTO DESECTAMME 16, 1085 MS MARC 12 3 4 4 4 4 Mkr2 25, 809 GHz -29, 193 dBm	Center Freq 13.01500000 GHz Start Freq 30.000000 MHz	
Address Start 150 kHz vsc Address SW 10 kHz vsc Ad	z #/	/BW 30 kHz*	Sv Avg Type: R	Stop 30.00 MHz reep 386.5 ms (3000 pts) letatus DC Coupled NAUTO DESECTAMME 16, 1085 MS MARC 12 3 4 4 4 4 Mkr2 25, 809 GHz -29, 193 dBm	Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq	



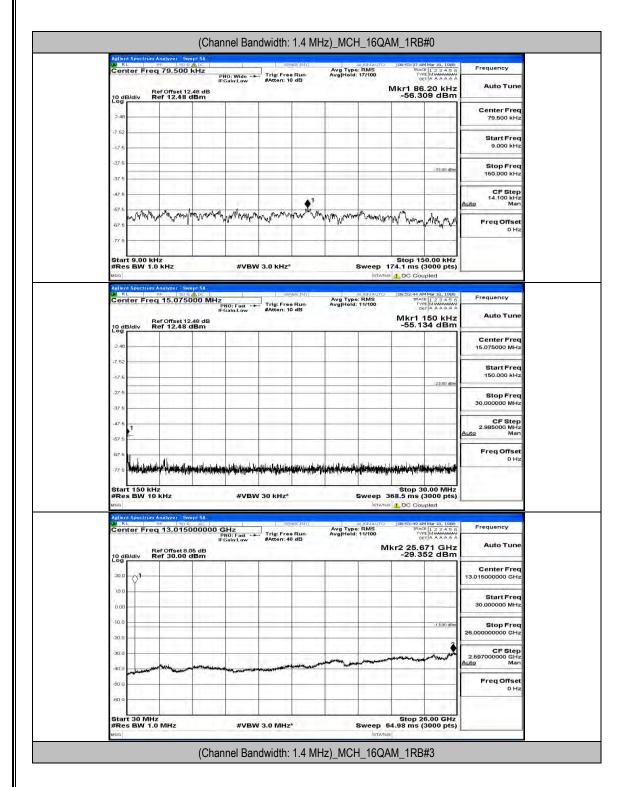
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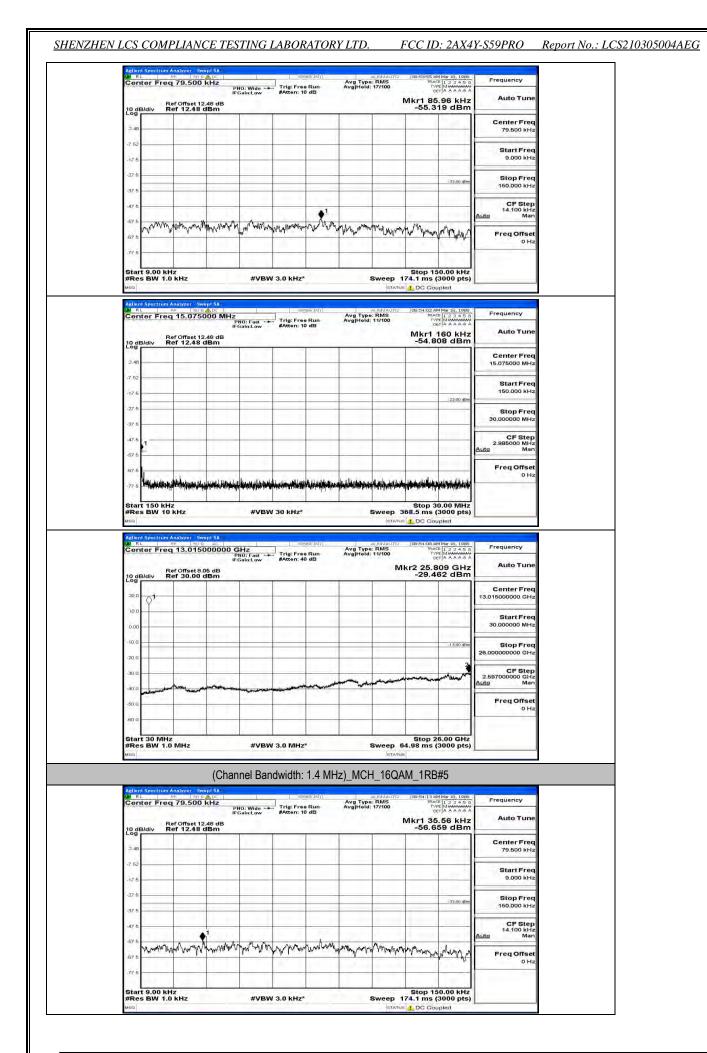
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This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 38 of 91 SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AX4Y-S59PRO Report No.: LCS210305004AEG



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Center Freq 13.075000 MHz registration Ref 72.48 dBm a	Agilent Spectrum Analyzer - Swept !	Λ.				
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2.5 Center Freq 7.5 2.300 mHz 7.6 1.400 mHz 7.6 1.400 mHz 7.6 1.400 mHz 8.500 Total 1.500 mHz 8.500 Total 1.500 mHz 8.500 Total 1.500 mHz 9.600 mHz 4.00 mHz 100	10 dB/div Ref 12.48 dB	dB m		-53.277 dBm	Control and	
1000000000000000000000000000000000000	The second second second second				Center Freq	
110 100 1	2.48				15.075000 MHz	
175 100.000 kHz 276 100.000 kHz 176 100.0000 kHz 176 100.00000 kHz	-7 52				Ctart Eron	
22	-17.6					
Aller is a service of the service of	-27.6			-23.00 dBm		
4-2 1	The second second second second					
Auto Ture Auto Man FreqOffset 0Hz 0Hz 10 GB/d/v Ref 30.00 GB/z 10 GB	-37.5					
47.6 47.6 Freq Offset 0 Hz 5tart 150 KHz #VBW 30 KHz* Stop 30.00 MHz Stop 30.00 MHz Freq Offset 0 Hz Mes BW 10 KHz #VBW 30 KHz* Sweep 30.85 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.85 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.81 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.81 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.81 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.81 ms (3000 pt) Prequency Mes BW 10 KHz #VBW 30 KHz* Sweep 30.81 ms (3000 pt) Prequency 10 gB/div Ref Offset 8 06 dB MKr2 25.991 GHz Auto Tune 10 gB/div Ref Offset 8 06 dB Center Freq 30.0000000 GHz Stop Freq 25.00000000 GHz Stop Freq 25.00000000 GHz 30 gB	-47.5 - 1				CF Step 2.985000 MHz	
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77 c Image: Control of the second	-67.5					
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Web #VEW 30 kHz* Sweep 368.5 ms (3000 pts) Intra-file DO Coupled Intra-file DO Coupled Intra-file Source 20 Intra-file DO Coupled Intra-file Source 20 Intra-file Intra-file Intra-file Intranon Intra-f		an a	and a fabilities of the second se	ultiluite ei shrini seere a s		
Intrastic Difference Intrencolspan	Start 150 kHz	#VBW 20 kH-*	Swaan	Stop 30.00 MHz		
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Log Center Freq 208 1 1 100 1 1 000 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 200 1 1 300 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100<	Center Freq 13.015000	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	08:54:26 AM Mar 18; 1986 TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET A A A A A A	The second s	
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20.0	RL 1000 Center Freq 13.015000 10 dB/div Ref 30.00 dBr	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	08:54:20 AM Mar 18, 1088 TRACE 2 3 4 5 6 TYPE MUMANANA DET A SA A A A 1kr2 25,991 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq	
3000 2 CF Step 2.597000000 GHz Auto 600 <td>RL 1000 Center Freq 13.05000 1000 1000 Ref Offset 8.05 1000 Ref 30.00 dbi 2000 1 000 1 000 1 000 1</td> <td>C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB</td> <td>Avg Type: RMS Avg Hold: 11/100</td> <td>085429 AMMy 16, 1988 Trace 1 2 3 4 5 6 Trie Anana 2 18 kr2 25.991 GHz -29.249 dBm</td> <td>Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz</td> <td></td>	RL 1000 Center Freq 13.05000 1000 1000 Ref Offset 8.05 1000 Ref 30.00 dbi 2000 1 000 1 000 1 000 1	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	085429 AMMy 16, 1988 Trace 1 2 3 4 5 6 Trie Anana 2 18 kr2 25.991 GHz -29.249 dBm	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz	
40.0 Auto Man 60.0 Freq Offset 60.0 Start 30 MHz #VEW 3.0 MHz* Sweep 64.98 ms (3000 pts)	RL 1000 m Center Freq 13.015000 10 dB/div Ref 30.00 dBr 100 0 000 000 000 000 000 000 000 000 0	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	085429 AMMy 16, 1988 Trace 1 2 3 4 5 6 Trie Anana 2 18 kr2 25.991 GHz -29.249 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq	
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60.0 0.Hz 50.0 0.Hz Start 30 MHz \$top 26.00 GHz #Res BW 1.0 MHz #VEW 3.0 MHz* Stweep 64.98 ms (3000 pts)	Ref 30.00 dBr	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	IBEST-29 AMM# 18, 1068 TRACE [1.2.3.4.5.6 TRETE [1.2.3.4.5.6 TRETE AAAAAA 18kr2 25.991 GHz -29, 249 dBm	Start Freq 30.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26,00000000 GHz 2.697000000 GHz	
B00 Start 30 MHz Stop 26.00 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 64.98 ms (3000 pts)	RL 1000 - 10000 - 1000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 10	C Serves: PAT 0000 GHz PN0: Fast → IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 11/100	IBEST-29 AMM# 18, 1068 TRACE [1.2.3.4.5.6 TRETE [1.2.3.4.5.6 TRETE AAAAAA 18kr2 25.991 GHz -29, 249 dBm	Start Freq 30.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26,00000000 GHz 2.697000000 GHz	
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Adjent Spectrom Analyzer, Swept SA. setes:[Pir] at (20 / 0.070) (0000022 MMM=10, 1000) Bit RL setes:[Pir] at (20 / 0.070) (0000022 MMM=10, 1000) Center Freq 79.500 kHz Trig Free Run #Kten: 10 dB Avg Type: RMS AvgHold: 17/100 Trig Free Run 0 cert A A A A A Det Official 30 49 dB Mkr1 91.51 kHz Auto Tune	RL 1000 Center Freq 13,015000 10 dB/div Ref 30.00 dBr 20 d 1 10 dB/div Ref 30.00 dBr 20 d 1 10 dB/div Ref 30.00 dBr 20 d 1 30 d 1	#VBW 3.0 MHz*	Avg Type: RMS AvglHold: 17/00 M	INSTANT OF THE PARTY OF THE PAR	Auto Tune Center Freq 13.015000000 GHz Start Freq 26.0000000 GHz 2.587000000 GHz Auto Man Freq Offset 0 Hz Frequency	
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#VBW 3.0 kHz*

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-37

47

-57

.77

Start 9.00 kHz #Res BW 1.0 kHz

manymmy

Stop Freq 150.000 kHz

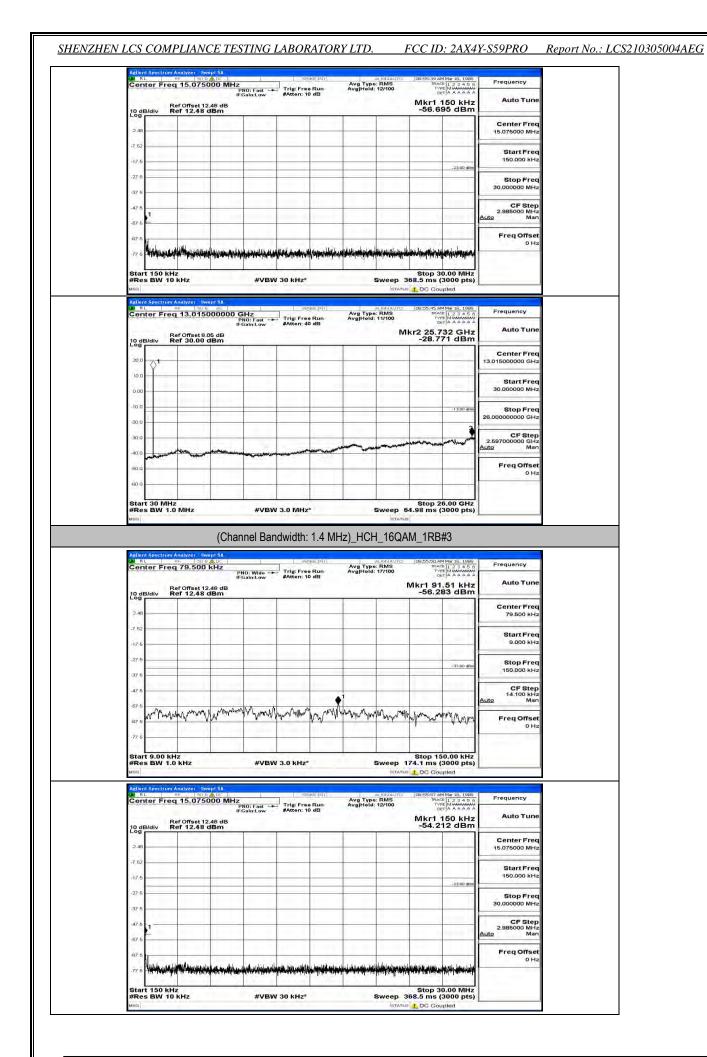
CF Step 14.100 kHz Man

Freq Offset 0 Hz

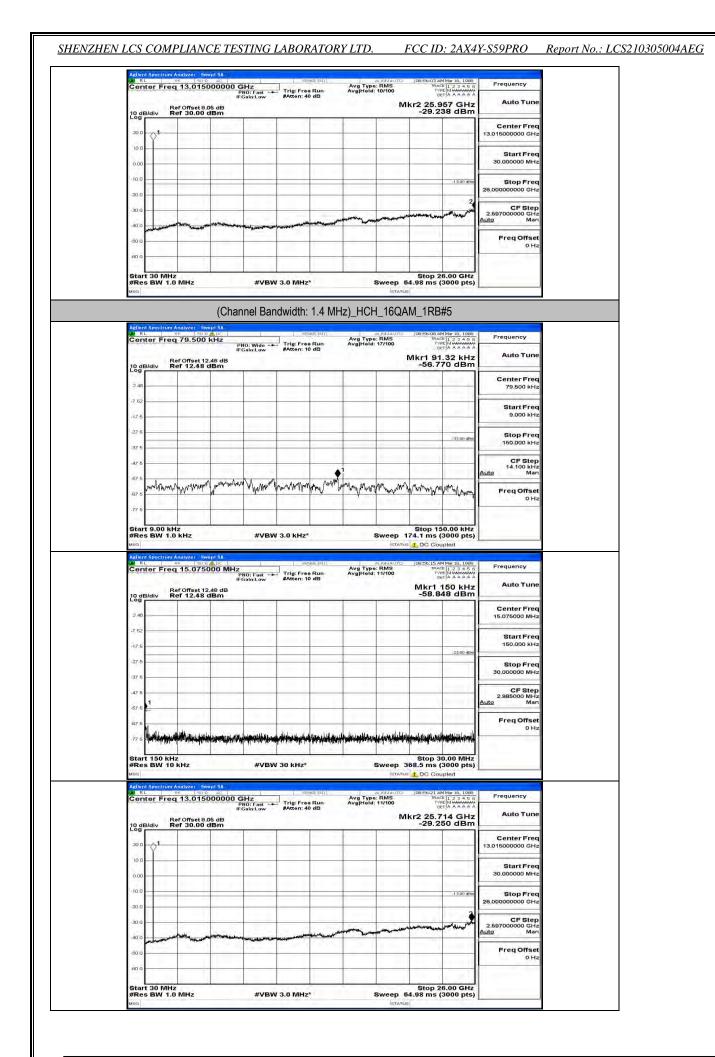
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Stop 150.00 kHz Sweep 174.1 ms (3000 pts)

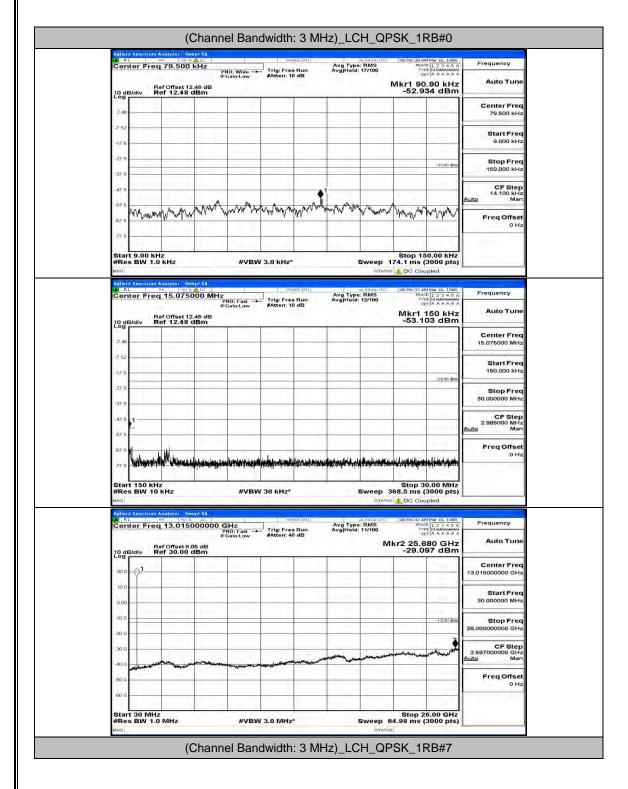


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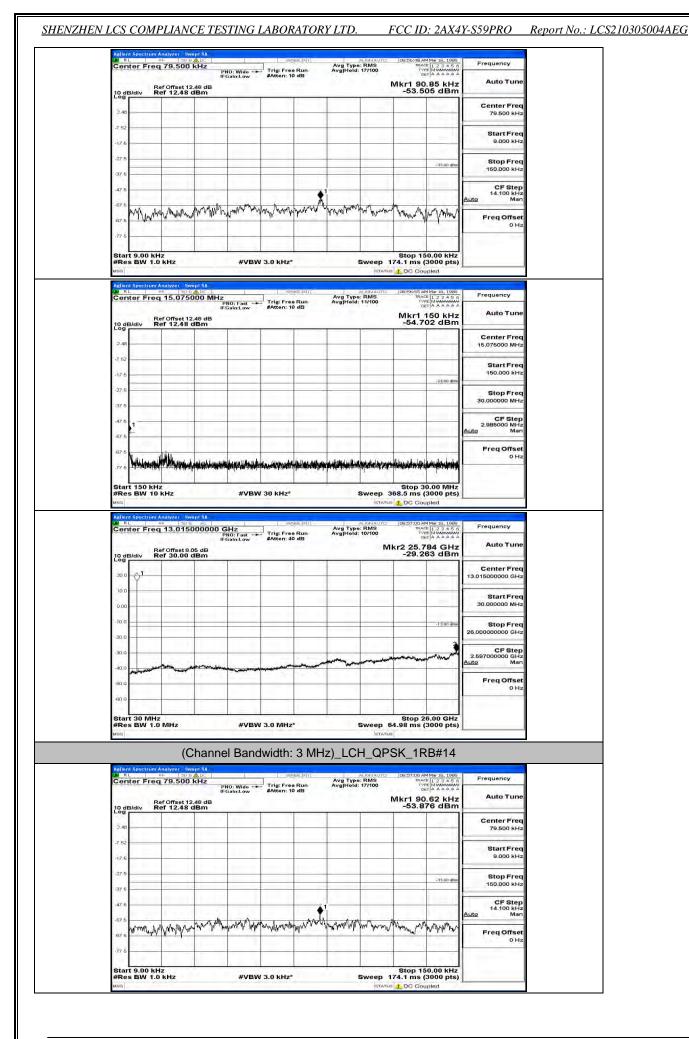


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Channel Bandwidth: 3 MHz



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Image: Sector	PN0: Fast Ing: Free Run Avg Feid: 12/100 1722 [notation]		Avg Hold: 12/100	rig: Free Run Atten: 10 dB		RF SUSADC Freq 15.075000 I	RI RI
Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#/ Support States	dB Mkr1 160 kHz Auto Tune	-00.017 0.011	M		dB	Ref Offset 12.48 df Ref 12.48 dBm	10 dB/div
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Start 150 kHz Res BW 10 kHz #VBW 30 kHz! Brand Co Coupled	0.642	0 1/2		e de charte a d	al contractor		67.5
#Res BW 10 KHz #VBW 30 KHz* Sweep 368.5 ms (3000 pts) wso wso wso wso Center Freq 13.015000000 CHz wso registration Avg Type RH00 registration 10 dBladw Ref 000 dBm registration Avg Type RH00 registration Auto Tune 10 dBladw Ref 30.000 dBm registration Avg Type RH00 registration Auto Tune 10 dBladw Ref 30.000 dBm registration Avg Type RH00 registration Auto Tune 10 dBladw Ref 30.000 dBm registration Avg Type RH00 registration Ref 30.000000 cHz 10 dBladw Ref 30.000 dBm registration Start Freq 30.000000 cHz Start Freq 30.000000 cHz 10 dBladw Ref 30.0000000 cHz Stop Freq 28.0000000 cHz Stop Freq 28.0000000 cHz Stop 78.00 cHz 10 dBladw HVBW 3.0 MHz* Sweep 64.98 ms (3000 pts) Stop 78.00 cHz Prequency 10 dBladw HVBW 3.0 MHz* Sweep 64.98 ms (3000 pts) Prequency Auto Tune 10 dBladw reg registration reg registration Ref 0 Hz Prequency Avg Type RH00 Ref 0 Hz				an line () was the low to a line of	يتمين والمنابعة والمنابعة والمنابعة والمنابعة والمنتحا والمنابعة والم		
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Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0 Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0 Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0 Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0	B Mkr2 25.671 GHz Auto Tune	r2 25.671 GHz Auto Tune	Mkr2	Atten: 40 dB	dB	Ref Offset 8.05 dB Ref 30.00 dBm	10 dB/div
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ter RL vector Decession 2 decore 2 dec	2.59700000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset 0 Hz #VBW 3.0 MHz* Sweep 64.98 ms (3000 pts)	Stop 26.00 GHz .98 ms (3000 pts)	Sweep 64.98	0 MHz*	#VBW 3	N 1.0 MH2	second on both a second
IFGain:Low #Atten: 10 dB Mkr1 106.84 kHz Auto Tune	2.59700000 GHz 2.59700000 GHz 2.4bc Man Freq Offset 0 Hz Stop 26.00 GHz Brand #VBW 3.0 MHz* Stop 26.00 GHz Brand	.98 ms (3000 pts)	Sweep 64.98				second on both a second
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10 alp/aliv Ref 12.48 albm55.103 dBm	A VEW 3.0 MHz* Sweep 64.98 ms (3000 pts) #VEW 3.0 MHz* Sweep 64.98 ms (3000 pts) bratue Avg Type: RMS Prequency Avg Type: RMS Prequency Preq Prequency Prequency Preq	SK_1RB#0	Sweep 64.98	ridth: 3 MH		(Cha cf/uni Analyzer - Swept SA see - Swept SA Freq 79.500 kHz	Asient Spectru

110

MA

AA

#VBW 3.0 KHz*

WMMM

-7 53

-17.6

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.47

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mound

Start 9.00 kHz #Res BW 1.0 kHz Start Fred 9.000 kHz

Stop Fred 150.000 kHz

CF Step 14.100 kHz Man

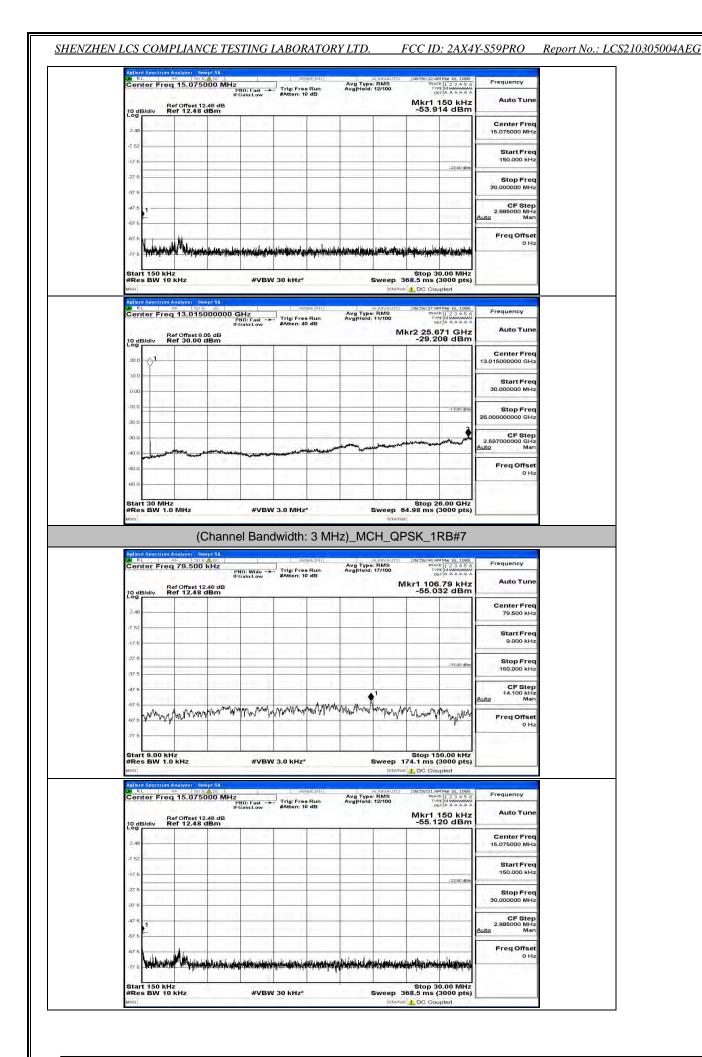
Freq Offset 0 Hz

-33.00 d

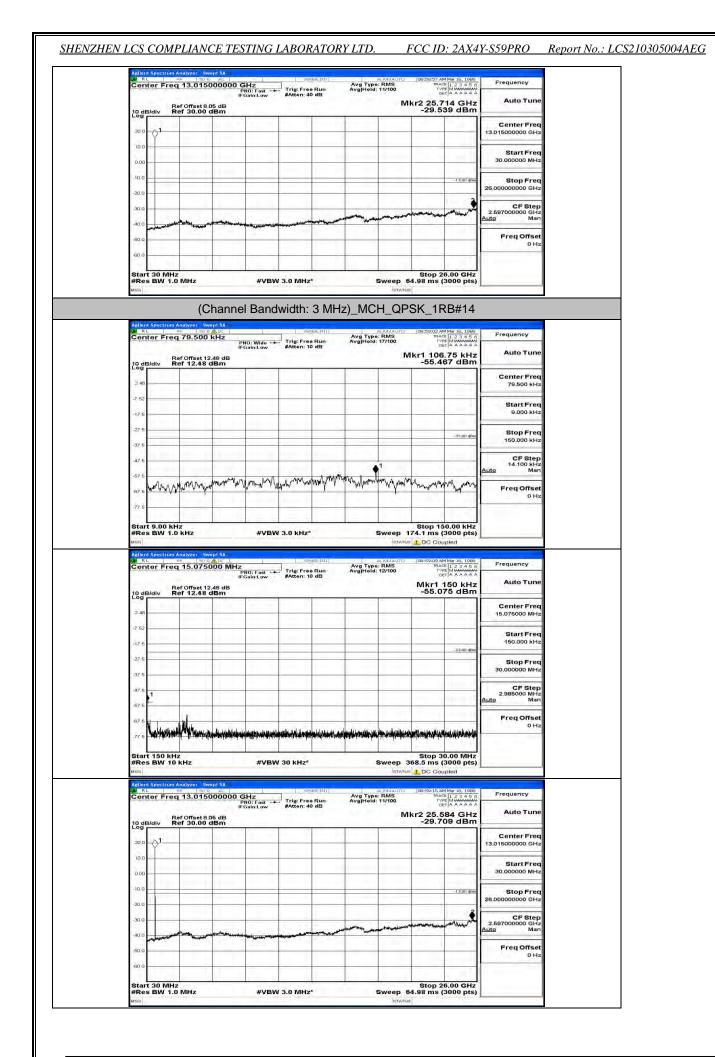
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Stop 150.00 kHz Sweep 174.1 ms (3000 pts)

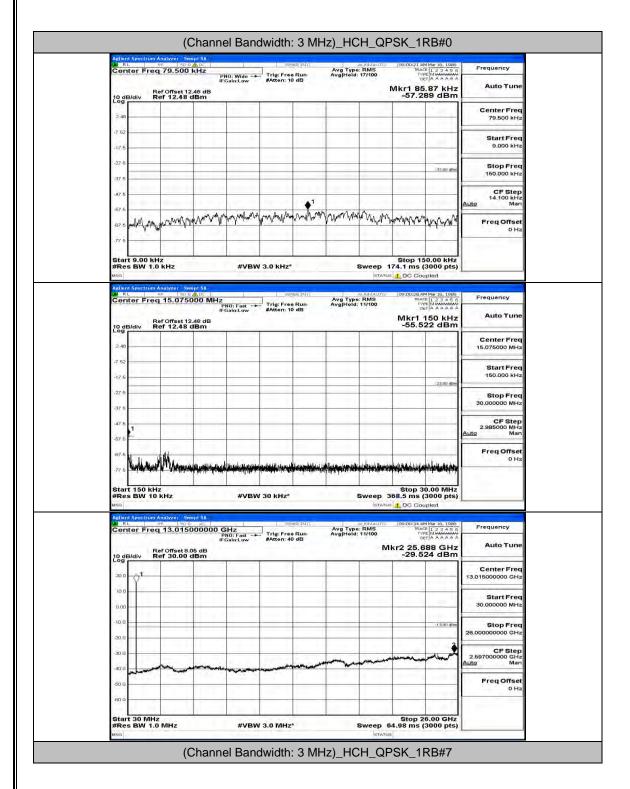


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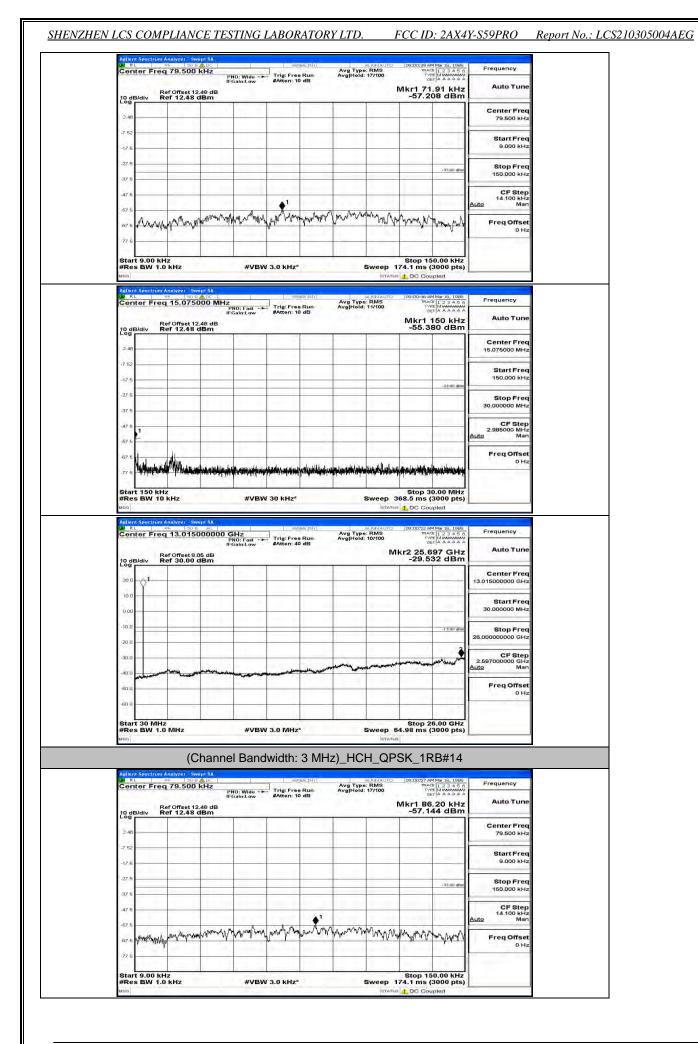


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