Report No.: LCS200730059AEE

Appendix C: Test Data for E-UTRA Band 4

Product Name: 4G Mi-Fi Trade Mark: LOGIC, iSWAG, UNONU Test Model: ML10

Environmental Conditions

Temperature:	23.1° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	DIAMOND.LU
Supervised by:	LI HUAN

C.1 Conducted Output Power

	Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	23.46	22.59	PASS		
		1	3	23.37	22.65	PASS		
		1	5	23.20	22.52	PASS		
	LCH	3	0	23.30	22.52	PASS		
		3	2	23.23	22.44	PASS		
		3	3	23.14	22.34	PASS		
		6	0	22.61	21.54	PASS		
		1	0	22.79	22.13	PASS		
		1	3	22.77	22.03	PASS		
		1	5	22.74	21.94	PASS		
QPSK / 16QAM	MCH	3	0	22.83	22.04	PASS		
TOQAM		3	2	22.82	21.89	PASS		
		3	3	22.72	21.70	PASS		
		6	0	21.72	20.60	PASS		
		1	0	23.58	22.41	PASS		
		1	3	24.09	22.61	PASS		
		1	5	23.64	22.54	PASS		
	НСН	3	0	23.69	22.60	PASS		
		3	2	23.86	22.61	PASS		
		3	3	23.84	22.36	PASS		
		6	0	22.59	21.84	PASS		

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	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)							
	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdiet		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.23	22.42	PASS		
		1	7	22.91	22.31	PASS		
		1	14	22.59	21.97	PASS		
	LCH	8	0	22.81	22.11	PASS		
		8	4	22.60	22.01	PASS		
		8	7	22.64	21.84	PASS		
		15	0	22.76	21.88	PASS		
		1	0	22.86	21.90	PASS		
		1	7	23.11	21.84	PASS		
QPSK /		1	14	22.83	21.66	PASS		
16QAM	MCH	8	0	21.83	20.69	PASS		
TOQAIN		8	4	21.91	20.57	PASS		
		8	7	21.68	20.47	PASS		
		15	0	21.70	20.71	PASS		
		1	0	23.53	22.60	PASS		
		1	7	23.89	22.96	PASS		
		1	14	23.85	23.01	PASS		
	НСН	8	0	22.52	21.52	PASS		
		8	4	22.56	21.59	PASS		
		8	7	22.65	21.69	PASS		
		15	0	22.50	21.51	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)							
Modulation Channel		RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.39	22.32	PASS		
		1	12	23.08	21.93	PASS		
		1	24	22.66	21.93	PASS		
	LCH	12	0	22.63	21.68	PASS		
		12	6	22.63	21.60	PASS		
		12	13	22.58	21.47	PASS		
		25	0	22.73	21.86	PASS		
		1	0	22.78	21.62	PASS		
		1	12	23.19	21.41	PASS		
QPSK /		1	24	23.39	21.61	PASS		
16QAM	MCH	12	0	21.83	20.83	PASS		
TOQAM		12	6	21.88	20.79	PASS		
		12	13	21.72	20.65	PASS		
		25	0	21.68	20.81	PASS		
		1	0	23.67	21.71	PASS		
		1	12	24.43	22.39	PASS		
		1	24	24.03	22.45	PASS		
	HCH	12	0	22.53	21.46	PASS		
		12	6	22.72	21.49	PASS		
		12	13	22.74	21.67	PASS		
		25	0	22.59	21.76	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict		
Wouldton	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.37	21.54	PASS		
		1	24	22.45	21.95	PASS		
		1	49	22.44	21.83	PASS		
	LCH	25	0	22.28	21.38	PASS		
		25	12	22.42	21.52	PASS		
		25	25	22.43	21.56	PASS		
		50	0	22.34	21.47	PASS		
		1	0	22.19	21.56	PASS		
		1	24	23.10	22.49	PASS		
QPSK /		1	49	22.58	22.08	PASS		
16QAM	MCH	25	0	21.84	20.88	PASS		
IOQAIN		25	12	21.92	20.85	PASS		
		25	25	21.69	20.78	PASS		
		50	0	21.73	20.81	PASS		
		1	0	22.67	21.99	PASS		
		1	24	23.75	23.12	PASS		
		1	49	24.00	23.36	PASS		
	НСН	25	0	22.37	21.30	PASS		
		25	12	22.60	21.60	PASS		
		25	25	22.69	21.75	PASS		
		50	0	22.41	21.48	PASS		

		Conducted	Output Pow	ver Test Result (Channel Band	dwidth: 15 MHz)	
Modulation	Modulation Channel		figuration	Average Power [dBm]	Average Power [dBm]	Verdict
Modulation	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	22.24	21.53	PASS
		1	37	22.97	22.36	PASS
		1	74	22.83	22.19	PASS
	LCH	37	0	22.28	21.37	PASS
		37	18	22.79	21.89	PASS
		37	38	23.13	22.11	PASS
		75	0	22.66	21.79	PASS
		1	0	22.36	21.83	PASS
		1	37	22.94	22.39	PASS
QPSK /		1	74	23.01	22.68	PASS
16QAM	MCH	37	0	22.02	21.18	PASS
IOQAM		37	18	21.95	20.94	PASS
		37	38	21.68	20.76	PASS
		75	0	21.89	21.02	PASS
		1	0	23.08	21.76	PASS
		1	37	23.17	22.46	PASS
		1	74	23.69	23.03	PASS
	HCH	37	0	22.03	21.09	PASS
		37	18	22.40	21.46	PASS
		37	38	22.69	21.80	PASS
		75	0	22.42	21.43	PASS

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)							
Modulation	Modulation Channel		figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
	Onlamo	Size	Offset	QPSK	16QAM	Vordiot		
		1	0	21.80	20.97	PASS		
		1	49	23.49	22.71	PASS		
		1	99	21.66	20.84	PASS		
	LCH	50	0	22.23	21.30	PASS		
		50	25	23.09	22.17	PASS		
		50	50	22.61	21.53	PASS		
		100	0	22.57	21.65	PASS		
		1	0	22.54	21.50	PASS		
		1	49	18.94	20.72	PASS		
QPSK /		1	99	18.74	21.22	PASS		
UPSK / 16QAM	MCH	50	0	22.23	21.25	PASS		
TOQAIN		50	25	21.99	21.00	PASS		
		50	50	21.77	20.87	PASS		
		100	0	22.00	20.91	PASS		
		1	0	22.72	21.53	PASS		
		1	49	23.16	22.03	PASS		
		1	99	23.34	22.64	PASS		
	НСН	50	0	21.87	20.94	PASS		
		50	25	22.14	21.13	PASS		
		50	50	22.49	21.39	PASS		
		100	0	22.13	21.17	PASS		

C.2 Peak-to-Average Ratio

	Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channel	[dB]	[dB]	Verdict				
	LCH	5.21	<13	PASS				
QPSK	MCH	5.33	<13	PASS				
	НСН	5.18	<13	PASS				
	LCH	6.1	<13	PASS				
16QAM	MCH	6.17	<13	PASS				
	НСН	6.02	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
wouldton	Channel	[dB]	[dB]	Verdict				
	LCH	5.3	<13	PASS				
QPSK	MCH	5.34	<13	PASS				
	НСН	5.23	<13	PASS				
	LCH	6.21	<13	PASS				
16QAM	MCH	6.1	<13	PASS				
	НСН	6.13	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
MODULATION	Ghannei	[dB]	[dB]	Verdict				
	LCH	5.31	<13	PASS				
QPSK	MCH	4.43	<13	PASS				
	HCH	5.59	<13	PASS				
	LCH	6.02	<13	PASS				
16QAM	MCH	5.28	<13	PASS				
	HCH	6.3	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channel	[dB]	[dB]	Verdict				
	LCH	5.44	<13	PASS				
QPSK	MCH	4.64	<13	PASS				
	НСН	5.6	<13	PASS				
	LCH	6.14	<13	PASS				
16QAM	MCH	5.42	<13	PASS				
	НСН	6.33	<13	PASS				

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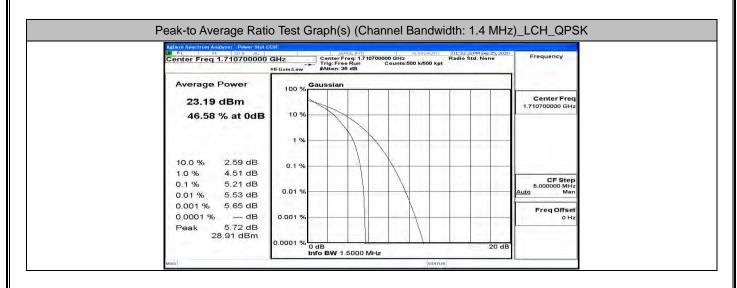
Report No.: LCS200730059AEE

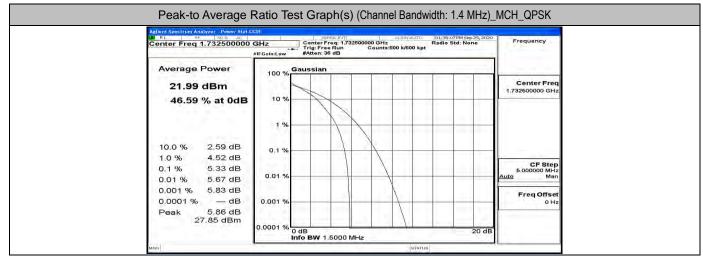
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
wooulation	Channel	[dB]	[dB]	Verdict				
	LCH	5.12	<13	PASS				
QPSK	MCH	4.89	<13	PASS				
	HCH	5.09	<13	PASS				
	LCH	6.28	<13	PASS				
16QAM	MCH	5.96	<13	PASS				
	НСН	6.26	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)									
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict						
Modulation	Channor	[dB]	[dB]	Voraiot						
	LCH	5.84	<13	PASS						
QPSK	MCH	5.72	<13	PASS						
	НСН	5.82	<13	PASS						
	LCH	6.79	<13	PASS						
16QAM	MCH	6.55	<13	PASS						
	НСН	6.66	<13	PASS						

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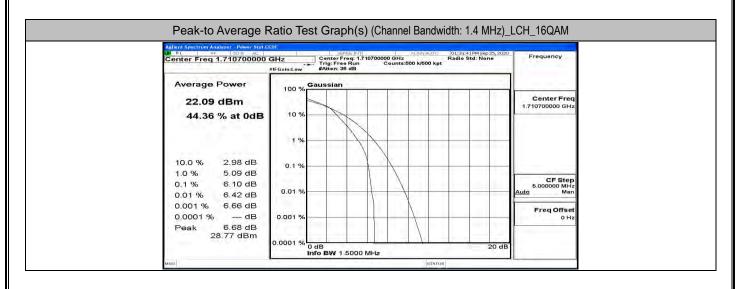


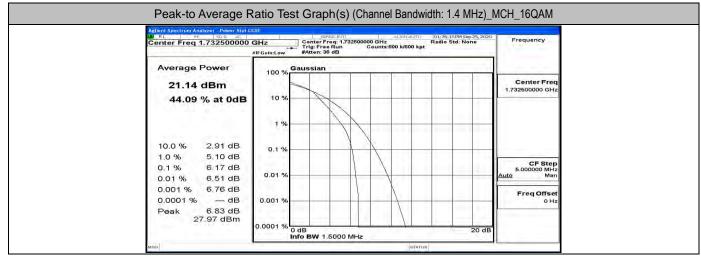


Agilent Spectrum Analyzer Power Stat	SENSE:INT	ALISNAUTO 101	:36:40 PM Sep 25, 2020	
Center Freq 1.754300000		54300000 GHz Rad Counts:500 k/500 kpt	dio Std: None	Frequency
Average Power	100 % Gaussian			
22.93 dBm				Center Freq 1.754300000 GHz
47.17 % at 0dB	10 %			
	1 %			
10.0 % 2.53 dB	0.1 %			
1.0 % 4.39 dB 0.1 % 5.18 dB 0.01 % 5.61 dB	0.01 %			CF Step 5.000000 MHz Auto Man
0.001 % 6.05 dB 0.0001 % dB	0.001 %			Freq Offset 0 Hz
Peak 6.11 dB	2 6 6 mm - 1 mm		212	
29.04 dBm	0.0001 % 0 dB	MH>	20 dB	

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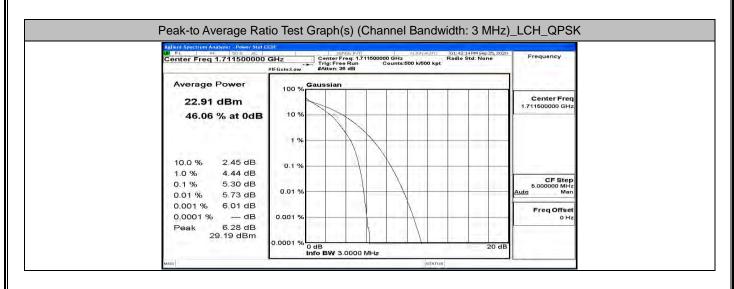


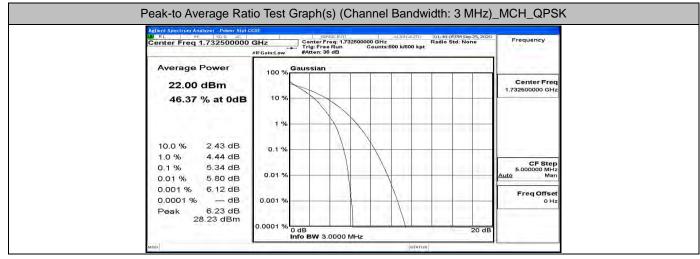


RL RF 50 Q AC	SENSE:INT	ALIGNAUTO 10	1:36:49 PM Siep 25, 2020	- I a the state of the state
Center Freq 1.754300000	Trig: Free Run	54300000 GHz Rz Counts:500 k/500 kpt	dio Std: None	Frequency
	#IFGain:Low #Atten: 36 dB			
Average Power	100 % Gaussian			
22.13 dBm				Center Freq 1.754300000 GHz
45.12 % at 0dB	10 %			
121.2 B 22 22 27 20 20				
	1%			
10.0 % 2.91 dB	0.1 %			
1.0 % 5.03 dB	201.18			
0.1 % 6.02 dB		$ = \sum_{i=1}^{n} =$		CF Step 5.000000 MHz
0.01 % 6.42 dB	0.01 %			<u>Auto</u> Man
0.001 % 6.60 dB	and the second sec			Freq Offset
0.0001 % — dB	0.001 %			0 Hz
Peak 6.67 dB 28.80 dBm				
25.60 0.611	0.0001 % O dB		20 dB	1
	Info BW 1.5000	MHz	20 08	

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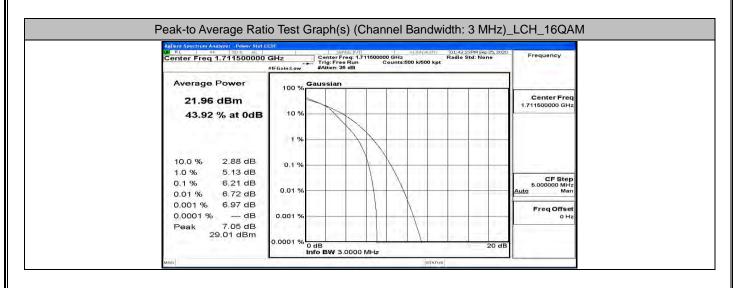


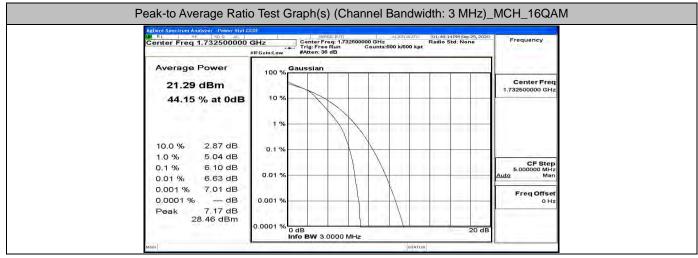


Agilent Spectrum Analyzer Power Stat 0		SENSE:INT	ALIGNAUTO	01:56:11PM Sep 25, 2020	11
Center Freq 1.753500000	GHz Cente	r Freg: 1.753500000	3Hz F ants:500 k/500 kpt	Radio Std: None	Frequency
Average Power	100 % Gaussia	in	7 82 3		
22.91 dBm					Center Freq 1.753500000 GHz
46.87 % at 0dB	10 %				
	1 %	NN			
10.0 % 2.40 dB	0.1 %				
1.0 % 4.35 dB 0.1 % 5.23 dB 0.01 % 5.74 dB	0.01 %				CF Step 5.000000 MHz Auto Man
0.001 % 5.99 dB 0.0001 % dB	0.001 %				Freq Offset
Peak 6.02 dB				112	0112
	0.0001 % 0 dB	3.0000 MHz		20 dB	

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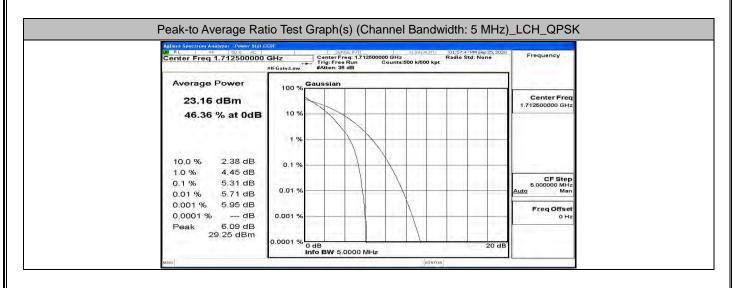


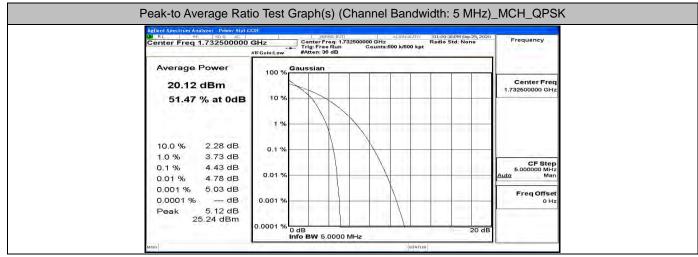


AGD F	CALIFIC TRANSFORMATION OF STREET	
GHz Center Freq: 1.753500000 GHz Trig: Free Run Counts:500	Radio Std: None	Frequency
Gaugelan		
		Center Freq 1.753500000 GHz
10 %		
1 %		
0.1 %		
0.01 %		CF Step 5.000000 MHz Auto Man
0.001 %		Freq Offset
26.5 1000-000-000-000		1
0.0001 % 0 dB	20 dB	· · · · · · · · · · · · · · · · · · ·
	OBJEC Description OBHZ Center Freq, 1763500000 GHz Tig: Pres Run Center Freq, 1763500000 GHz PIFGamLow Tig: Pres Run 100 % Caussian 100 % Gaussian 100 % Gaussian 0.01 % 0.001 %	OHZ Statution Stat

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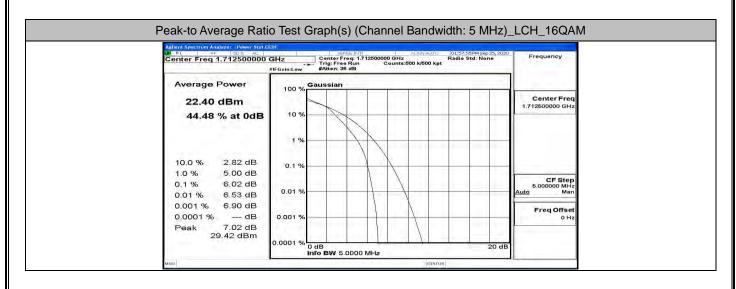


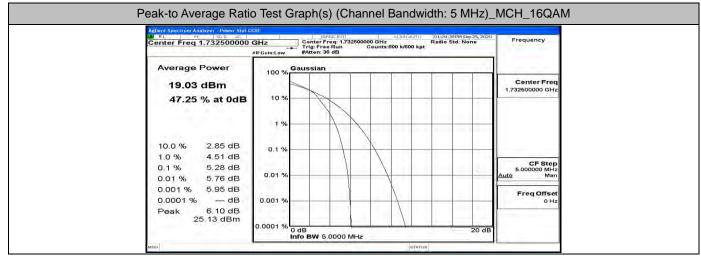


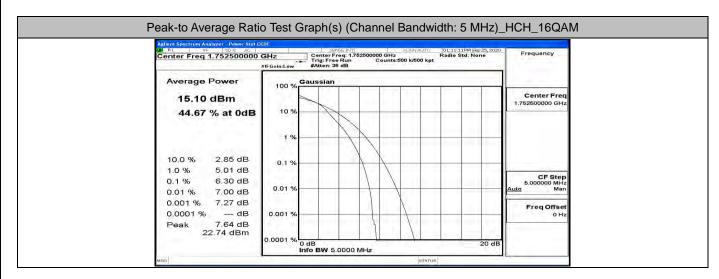
LW RL RF SDQ AC	CODIT SEE	SE:INT	ALISNAUTO 101:1	1:03 PM Sep 25, 2020	
Center Freq 1.752500000		eq: 1.752500000 GHz Run Counts:	00 k/500 kpt	Std: None	Frequency
Average Power	100 % Gaussian				
16.10 dBm					Center Freq 1.752500000 GHz
46.81 % at 0dB	10 %				
1.0004-000	1 %				
10.0 % 2.37 dB	0.1 %				
1.0 % 4.39 dB 0.1 % 5.59 dB	0.01 %				CF Step 5.000000 MHz Auto Man
0.01 % 6.27 dB 0.001 % 6.74 dB	0.01 //				
0.0001 % — dB	0.001 %				Freq Offset 0 Hz
Peak 7.49 dB 23.59 dBm		1			
	0.0001 % 0 dB	0000 MHz		20 dB	

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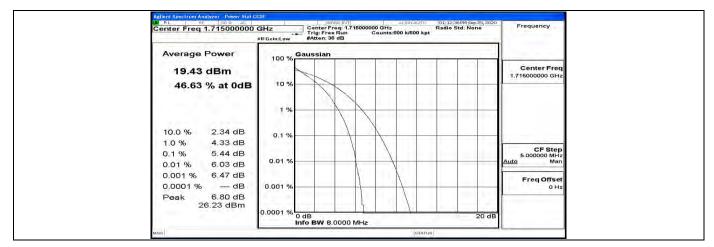




Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

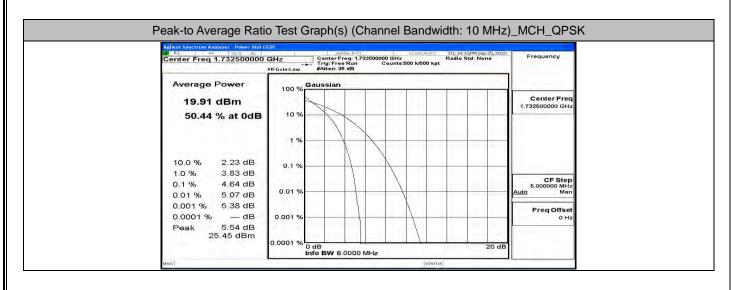
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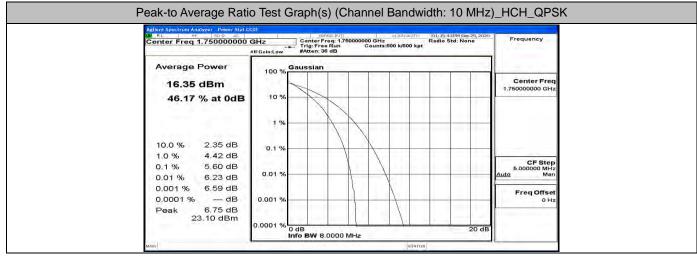
Report No.: LCS200730059AEE

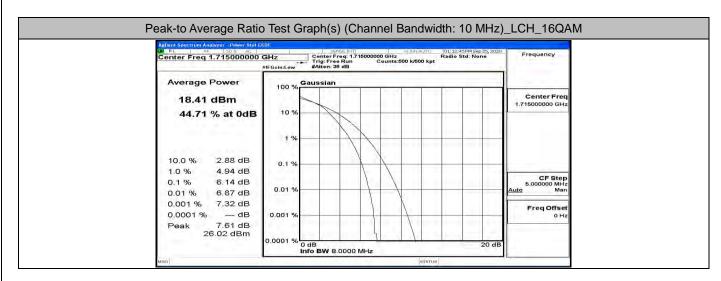


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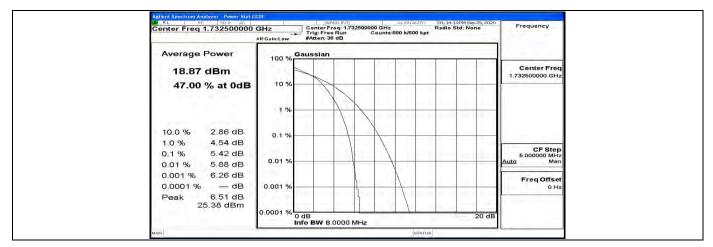




Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

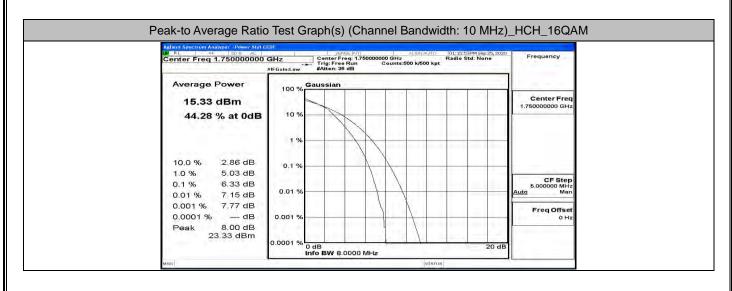
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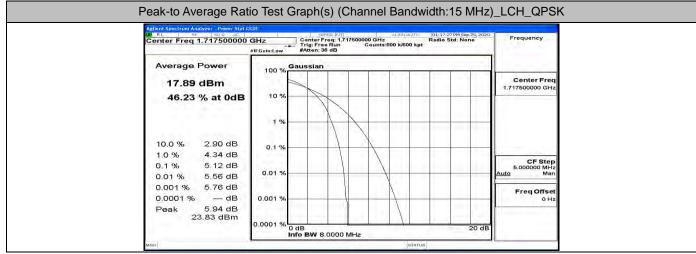
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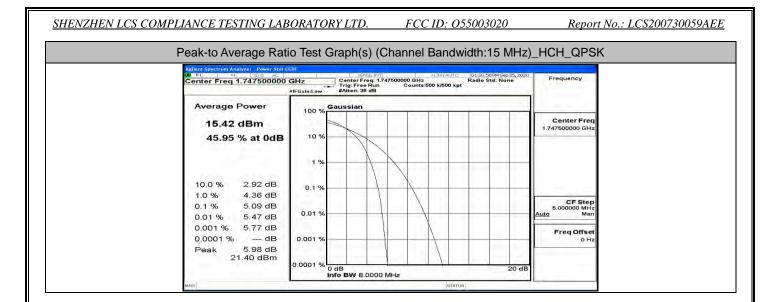
Report No.: LCS200730059AEE



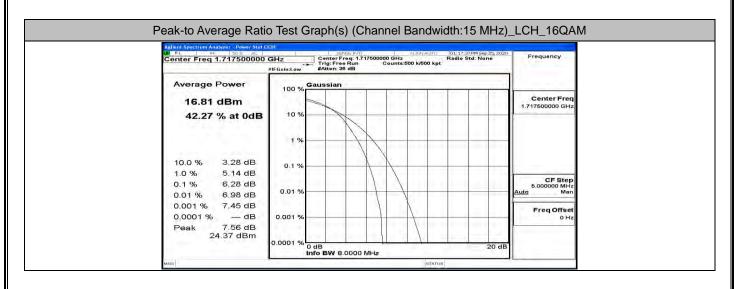


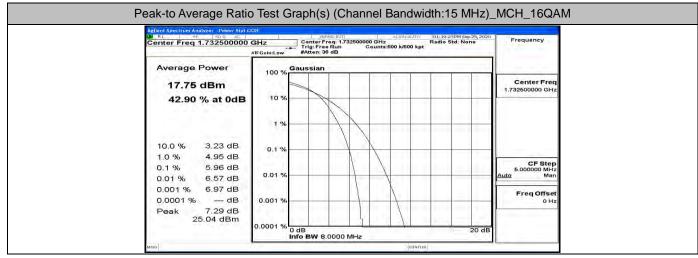
Agilent Spectrum Analyzer Power Stat G	SENSE:1	ALIGNAUTO	01:19:13PM Sep 25, 2020	
Center Freq 1.732500000		1.732500000 GHz n Counts:500 k/500 kpt	Radio Std: None	Frequency
Average Power	Cauceian			
18.93 dBm	100 %			Center Freq 1.732500000 GHz
47.45 % at 0dB				
and another	1 %			
10.0 % 2.83 dB 1.0 % 4.14 dB	0.1 %		_	
0.1 % 4.14 dB 0.1 % 4.89 dB 0.01 % 5.36 dB	0.01 %			CF Step 5.000000 MHz Auto Man
0.001 % 5.63 dB 0.0001 % dB	0.001 %			Freq Offset 0 Hz
Peak 5.75 dB 24.68 dBm	56 6 T			
	0.0001 % 0 dB		20 dB	

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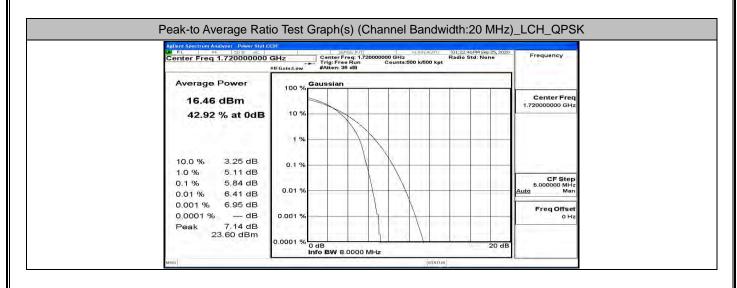


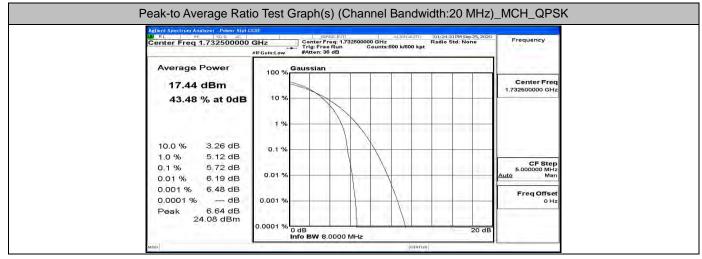


Agilent Spectrum Analyzer Power Stat 0	SED F	INT	01:21:06 PM Sep 25, 2020	
Center Freq 1.747500000	GHz Center Free Trig: Free R	1.747500000 GHz	Radio Std: None	Frequency
Contractor Strategy	#IFGain:Low #Atten: 36 d	1		
Average Power	100 % Gaussian			
14.40 dBm				Center Freq 1.747500000 GHz
42.13 % at 0dB	10 %			1.14750500 GH2
114-1995 34 (31) 372 (31)				
	1 %			
and the local sectors in the				
10.0 % 3.29 dB	0.1 %			
1.0 % 5.11 dB			· · · · · · · · · · · · ·	CF Step
0.1 % 6.26 dB	0.01 %			5.000000 MHz Auto Man
0.01 % 6.98 dB				
0.001 % 7.41 dB 0.0001 % dB	0.001 %			Freq Offset 0 Hz
Peak 7.54 dB	0.001 //			0 H2
21.94 dBm	19.5.5		1 May 21 1	
	0.0001 % 0 dB	00.0411-	20 dB	

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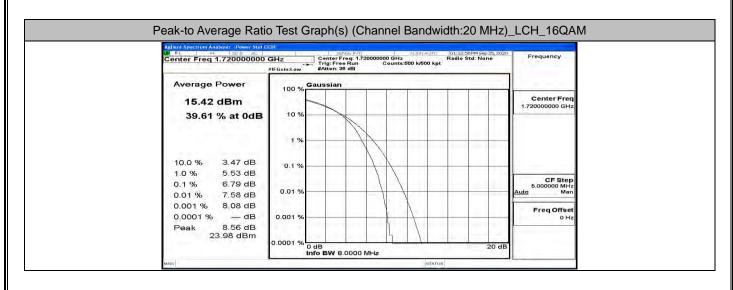


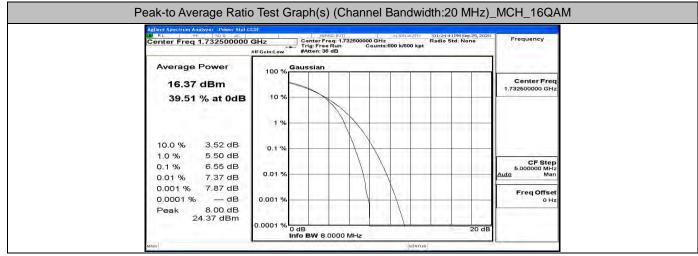


NA RL RF 50 Q AC	RADIT	SENSE:INT	ALIG	NAUTO 01:20	5:18 PM Sep 25, 2020	
Center Freq 1.745000000	Trig:	Free Run 1: 36 dB	Counts:500 k.	500 kpt	Std: None	Frequency
Average Power	Causel					
14.61 dBm	100 %					Center Freq 1.745000000 GHz
42.92 % at 0dB	10 %					
	1 %					
10.0 % 3.30 dB	0.1 %	\rightarrow	λ			
1.0 % 5.15 dB 0.1 % 5.82 dB 0.01 % 6.40 dB	0.01 %					CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 6.76 dB 0.0001 % dB	0.001 %					Freq Offset 0 Hz
Peak 7.19 dB 21.80 dBm		1			212	
2014 9 4 (4 (9)	0.0001 % 0 dB	8.0000 MHz			20 dB	

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Center Freg 1.74500000	GHz Cen	sense:INT er Freg: 1.7450000	ALIGNAUTO 00 GHz Counts:500 k/500 kp	01:26:28 PM Sep 25, 2020 Radio Std: None	Frequency
Certer Fred 1.74500000	#IFGain:Low #Att	Free Run n: 36 dB	Counts:500 k/500 kp	rt	
Average Power	100 % Gauss	an			
13.56 dBm	/				Center Freq 1.745000000 GHz
39.66 % at 0dB	10 %				
1.1.1.1.1.1.1	1 %				
10.0 % 3.52 dB	0.1 %				
1.0 % 5.56 dB					CF Step
0.1 % 6.66 dB 0.01 % 7.40 dB	0.01 %				5.000000 MHz Auto Man
0.001 % 7.84 dB 0.0001 % dB	0.001 %				Freq Offset
0.0001 % UB	0.001 %		1 1		0 Hz

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C.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)									
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict					
wouldtion	Channel	(MHz)	(MHz)	verdict					
	LCH	1.0766	1.240	PASS					
QPSK	MCH	1.0743	1.242	PASS					
	НСН	1.0782	1.239	PASS					
	LCH	1.0772	1.241	PASS					
16QAM	MCH	1.0796	1.235	PASS					
	НСН	1.0770	1.238	PASS					

	EBW & OBW Test Result (Channel Bandwidth: 3 MHz)									
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict						
WOULIATION	Channel	(MHz)	(MHz)	Verdict						
	LCH	2.6798	2.843	PASS						
QPSK	MCH	2.6808	2.912	PASS						
	НСН	2.6826	2.879	PASS						
	LCH	2.6805	2.878	PASS						
16QAM	MCH	2.6908	2.880	PASS						
	НСН	2.6844	2.893	PASS						

	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldton	Channel	(MHz)	(MHz)	Verdict
	LCH	4.4761	4.785	PASS
QPSK	QPSK MCH	4.4789	4.786	PASS
	НСН	4.4701	4.786	PASS
	LCH	4.4842	4.772	PASS
16QAM	MCH	4.4699	4.803	PASS
	НСН	4.4663	4.776	PASS

	EBW & OBW Te	est Result (Channel Band	dwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	8.9309	9.510	PASS
QPSK	MCH	8.9225	9.432	PASS
	HCH	8.9394	9.423	PASS
	LCH	8.9310	9.509	PASS
16QAM	MCH	8.9300	9.477	PASS
	НСН	8.9168	9.390	PASS

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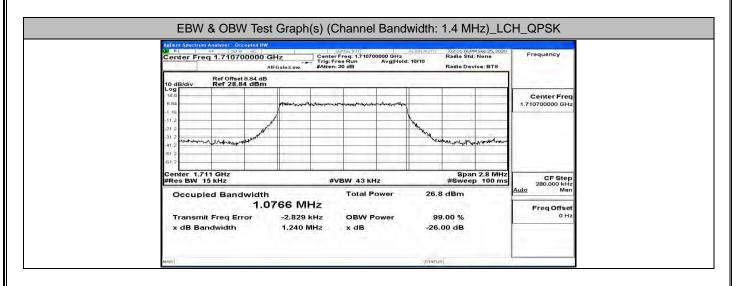
Report No.: LCS200730059AEE

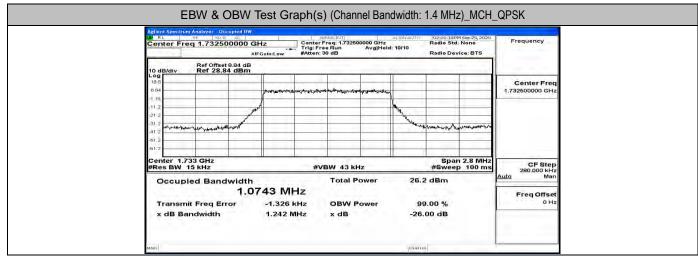
	EBW & OBW Te	est Result (Channel Band	lwidth: 15 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldton	Channel	(MHz)	(MHz)	Verdict
	LCH	13.390	14.05	PASS
QPSK	MCH	13.378	13.98	PASS
	HCH	13.405	14.18	PASS
	LCH	13.381	13.99	PASS
16QAM	MCH	13.407	14.09	PASS
	HCH	13.408	14.09	PASS

	EBW & OBW Te	est Result (Channel Band	dwidth: 20 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	17.810	18.57	DASS
	LCH	17.810	18.57	PASS
QPSK	MCH	17.830	18.60	PASS
	НСН	17.858	18.61	PASS
	LCH	17.797	18.53	PASS
16QAM	MCH	17.830	18.56	PASS
	НСН	17.837	18.62	PASS

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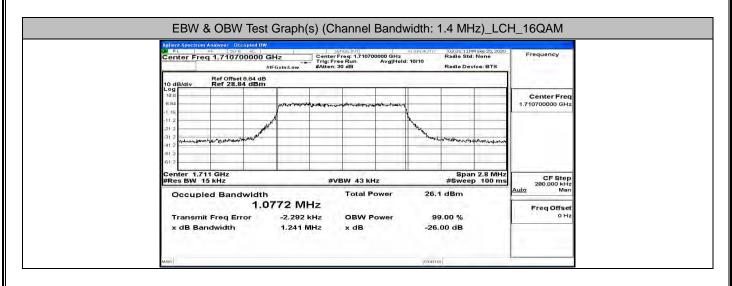


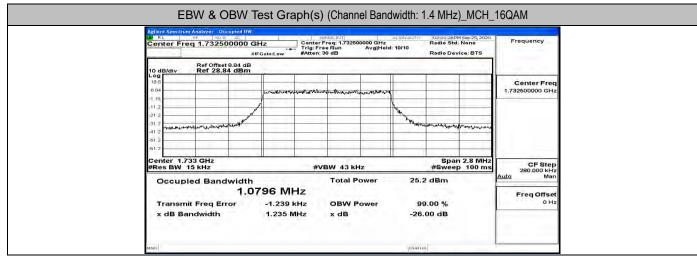


glient Spectrum Analyzer Occupied DW servisi:1011 autisvauiro 102:01:37.04 Sep 25, 2020 R.L vic servisi:1011 autisvauiro 102:01:37.04 Sep 25, 2020 R.L vic servisi:1011 autisvauiro 102:01:37.04 Sep 25, 2020 Read or Set 2000 OCH- Center Ener: 1.764300000 GHz Padio Set: None										
Center Freq 1.754300000	enter Freq 1.754300000 GHz Center Freq: 1.754300000 GHz Radio Std: None #IFGain:Low #Atten: 30 dB Avg Hold: 10/10 Radio Device: BTS									
Ref Offset 8.84 dE 10 dB/div Ref 28.84 dBm	3									
Log 18.6 8.84		al management the faces	Antoning	an proper stand				Center Fred 1.754300000 GHz		
-1.16 -11.2	1				L.			and and a second se		
212 312 annihmen on Magalan weller all					Jeg and	warment west	a staty Manuali			
41.2 61.2 61.2										
Center 1.754 GHz #Res BW 15 kHz		#V	BW 43 KH	Iz		Spar #Swee	n 2.8 MHz p 100 ms	CF Step 280.000 kHz		
Occupied Bandwidtl			Total P	ower	27.3	2 dBm		Auto Man		
1.0 Transmit Freq Error	0782 M		OBW P	ower	99	99.00 %		Freq Offset 0 Hz		
x dB Bandwidth	1.239	MHz	x dB		-26.	00 dB				

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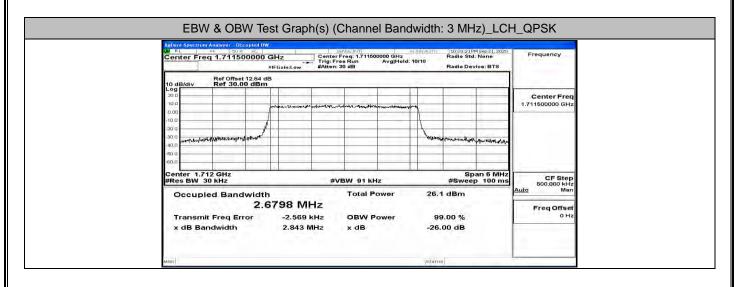


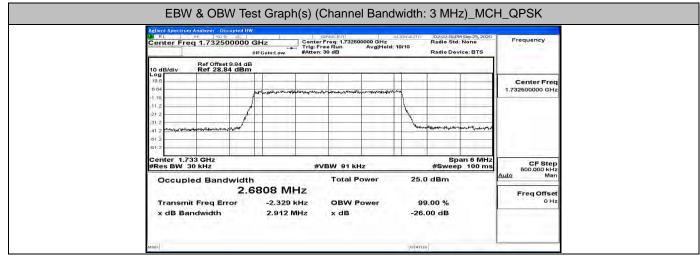


Aglient Spectrum Analyzer - Occupied DW DV RL 99F 50 9 Ar Sep 25,2020										
	Center Freq 1.754300000 GHz #FGain:Low FAtten: 30 dB Radio Std: None Radio Device: BTS									
10 dB/div Ref 28.84 dBr	B		-							
18.6 6.84	A manager and the	านเป็นจากปฏิบัติเหตุการณ์ปฏิบัติเกมต์				Center Frec 1.754300000 GHz				
-1.16	1		Nu		-	I laster la constant				
-21 2 -31 2	Alexant		- Annual Contraction	and the second second	~~~					
-41.2 -61.2 -61.2										
Center 1.754 GHz #Res BW 15 kHz	#	VBW 43 kHz	1	Span 2 #Sweep	.8 MHz 100 ms	CF Step 280.000 kHz				
Occupied Bandwidt	:h	Total Power	26.4	dBm		Auto Man				
	0770 MHz					Freq Offset				
Transmit Freq Error x dB Bandwidth	-318 Hz 1.238 MHz	OBW Power x dB		00 % 00 dB		0 Hz				

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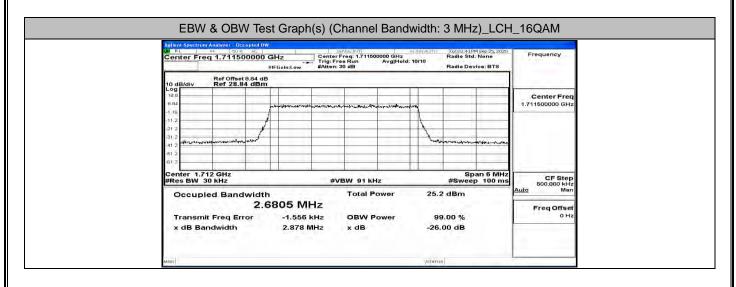


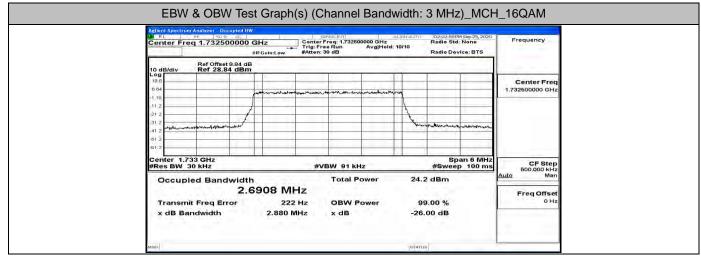


M RL RF 50.9 AC SENSE:IVT ALIGNAUTO J02:09:08 IMS sep 25, 2020 Center Freq 1.753500000 GHz Center Freq: 1.753500000 GHz Radio Std: None										
Center Freq 1.75350000	#IFGain:Low	#Atten: 3	e Run	Avg Hold: 1	0/10	Radio Dev		and a second second		
Ref Offset 8.84 d			_							
	201				1			Center Freq		
8.84	ponturbarrown		ant the part and the	an a	4			1.753500000 GHz		
-1.16	A				1					
212	/				X					
41.2 rolling way as a strange of the	-	-	-			tomostory	replandent			
-61.2										
Center 1.754 GHz #Res BW 30 kHz		-	BW 91 kH	_			an 6 MHz p 100 ms	CF Step		
Occupied Bandwid	+ la		Total Po		26	1 dBm	p rooms	600.000 kHz Auto Man		
	.6826 M	Hz	i otal i c		20.			Freq Offset		
Transmit Freq Error	-1.887		OBW Power 99.00 %					0 Hz		
x dB Bandwidth	2.879	MHz	x dB		-26	.00 dB				

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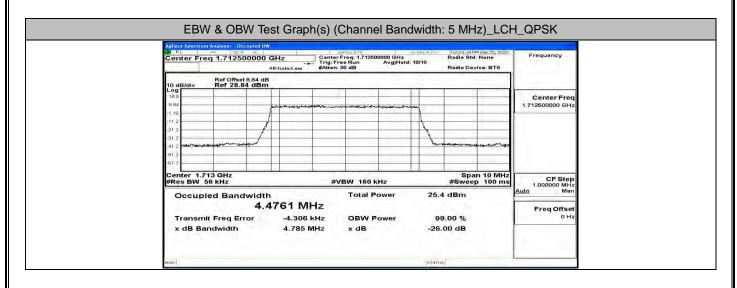


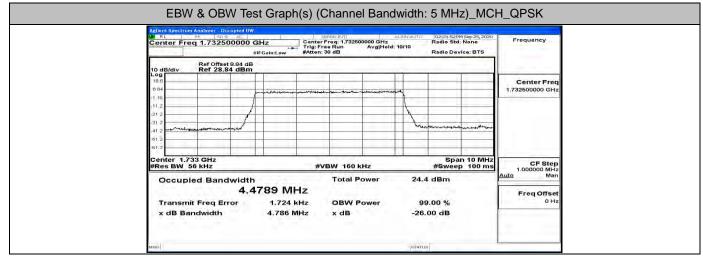


Aldent Spectrum Analyzer - Occupied UW Mar RL err So G Ac. SEMALINT ALIGNAUTO Occupied UW Center Freg 1.753500000 GHz Center Freg 1.753500000 GHz Radio Std: None										
Center Freq 1.75350000	#IFGain:Low	Trig: Fr #Atten:	ree Run	Avg Hold: 1	0/10	Radio Std		Frequency		
Ref Offset 9.84 d	в				_					
					1	1		Center Fred		
8 84	mannerstand		manuther	monence	4		-	1.753500000 GHz		
-1.06	1				A					
212		1			X	1.1.1				
-31 2 -41 2		-			-	- mine and way higher	at the second second			
-61.2										
Center 1.754 GHz #Res BW 30 kHz			/BW 91 kH		-		an 6 MHz 5 100 ms	CF Step		
Occupied Bandwid		#1	Total Po	-	25	2 dBm	5 100 ms	500.000 kHz Auto Man		
	.6844 M	Hz	rotal PC	wei	25.	2 08/11		Freq Offset		
Transmit Freq Error	1.781		OBW PC	3W Power 99.00 %				0 Hz		
x dB Bandwidth	2.893	MHz	x dB		-26	.00 dB				

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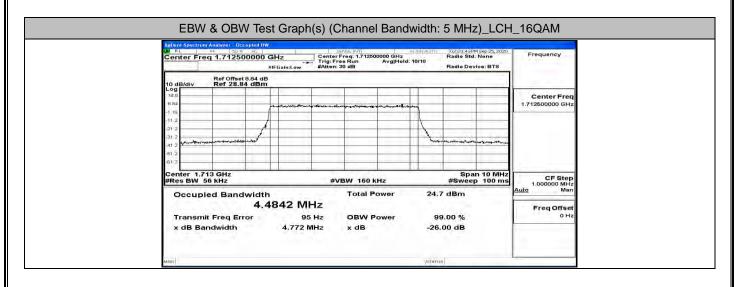


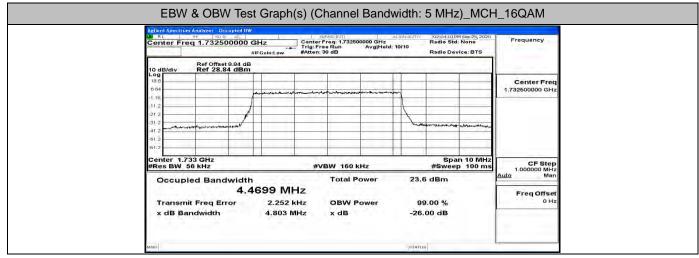


M RL 9F 52.6 AC SENSE/NT ALK/AUTO 102:04:10/IM Sep 25, 2020 Center Freq 1.752500000 GHz Center Freq: 1.752500000 GHz Radio Std: None Trig: Free Run AvgiNoid: 10/10											
	#IFGain:	-p- Tri	g: Free ten: 30	Run	Avg Hold:	10/10	Radio Dev	vice: BTS			
Ref Offset 8.84 di 10 dB/div Ref 28.84 dBn			_								
18.8						1	-		Center Fred		
6.84	puna	مېرونې د مېروم دروم	- Ann	www.eurouten	april and a start of the	-	-		1.752500000 GHz		
:11.2	1					1					
212				-		1		-			
-41.2 and an international and			-			~~~					
-61.2											
Center 1.753 GHz #Res BW 56 kHz			#VB	W 160 k	Hz			n 10 MHz p 100 ms	CF Step 1.000000 MHz		
Occupied Bandwidt	h	1.		Total P	ower	25.	4 dBm		Auto Man		
		MHz							Freq Offset		
Transmit Freq Error	-2	.506 kHz	11	OBW P	ower	9	9.00 %		0 Hz		
x dB Bandwidth	4.	786 MHz		x dB		-26	6.00 dB				

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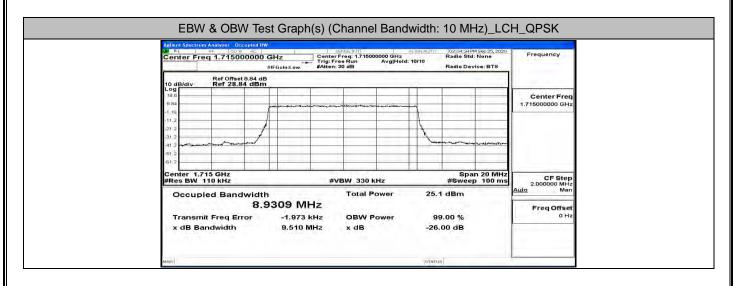


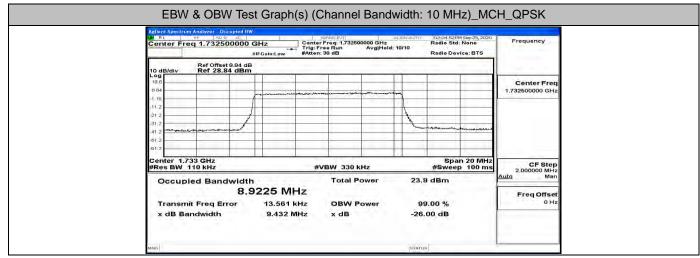


Adjent Spectrum Analyzer - Occupied IIW 2017 RL 997 - 2019 Ac Center Freq 1.752500000 GHz Center Freq: 1.752500000 GHz Radio Std: None Radio Std: None										
Center Freq 1.752500000	Trig:1	r Freq: 1.762500000 GHz Free Run Avg Hold h: 30 dB	: 10/10	Radio Std: Radio Devi		Frequency				
Ref Offset 8.84 dE										
18,8 6,84						Center Freq				
16	for the man and the man	******	m		-	1.752500000 GHz				
-11.2	1		1							
-31 2 month and an and an and an and and			100	- Handy and day	works a man					
61.2		_			_					
61.2										
Center 1.753 GHz #Res BW 56 kHz	#	VBW 160 kHz			n 10 MHz) 100 ms					
Occupied Bandwidt		Total Power	24.	7 dBm		<u>Auto</u> Man				
	4663 MHz					Freq Offset				
Transmit Freq Error x dB Bandwidth	5.083 kHz 4.776 MHz	OBW Power x dB		9.00 % .00 dB		0 Hz				

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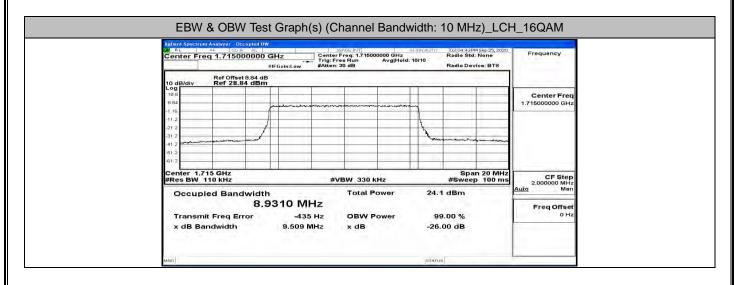


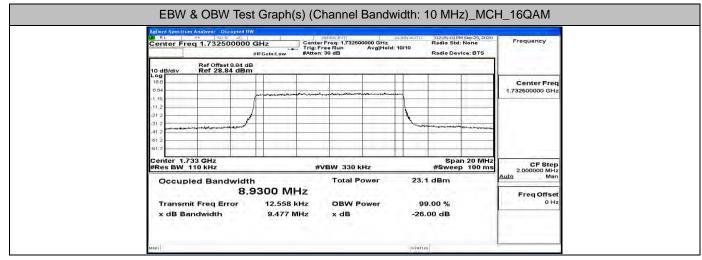


Aplient Spectrum Analyzer Occupied DW Analyzer Occupied DW But RL RF 50.9 Ac SENSE:NT ALIGN AUTO 02:05:10PM Sep 25, 2020										
Center Freq 1.75000000	GHz #IFGaln:Low		eq: 1.750000 Run		100	Radio Std: Radio Devi	None	Frequency		
10 dB/div Ref Offset 8.84 dB			_							
Log 188 884	a part of some nature and	***		and the second second	-			Center Freq 1.750000000 GHz		
-1.16 -11.2 -21.2	1				1					
-31,2 -41,2					h		magnahahaa			
-61.2		_					-			
Center 1.75 GHz #Res BW 110 kHz		#VB	W 330 K	Hz		Spar #Sweep	20 MHz 100 ms	CF Step 2.000000 MHz		
Occupied Bandwidt			Total Po	ower	24.	8 dBm		<u>Auto</u> Man		
8, Transmit Freq Error	9394 MH 9.730 ki		OBW P	ower	99.00 %			Freq Offset 0 Hz		
x dB Bandwidth	9.423 MI	Hz	x dB		-26	00 dB				

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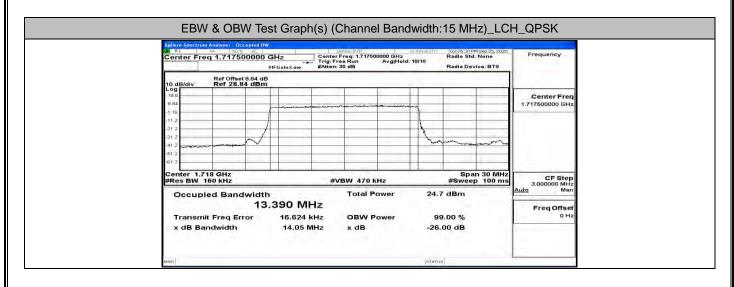


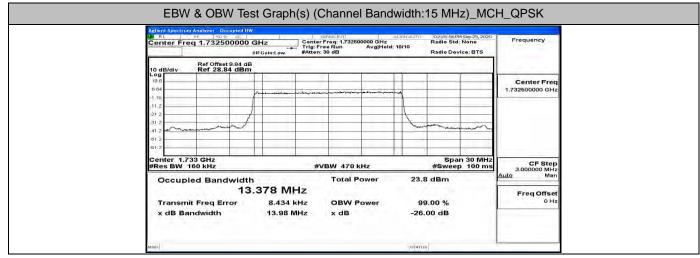


Alefent Spectrom Analyzer Occupied UW Out RL eff VM RL Center Freg 1.750000000 GHz Center Freg 1.750000000 GHz										
Tri	Trig		eq: 1.75				Radio St		Frequency	
-	فرمنتهريد	Anna	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			-			Center Freq 1.75000000 GHz	
						L				
	-		-			-				
		#VB	M 33				Sp:	an 20 MHz	CF Step	
		-	BW 330 kHz #Sweep 100 ms Total Power 23.8 dBm					100 ms	2.000000 MHz <u>Auto</u> Man	
68 MHz 8.998 kHz OB			OBW Power			9	9.00 %		Freq Offset 0 Hz	
łz	MHz		x dB			-26	00 dB			

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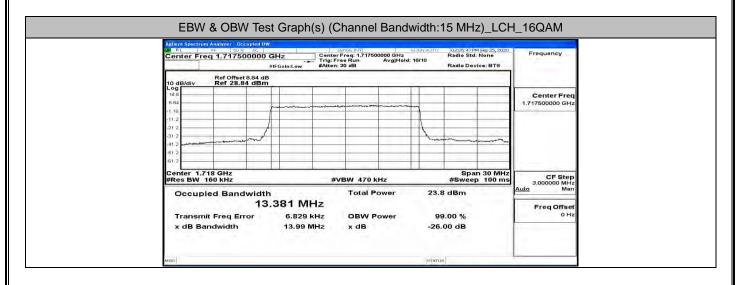


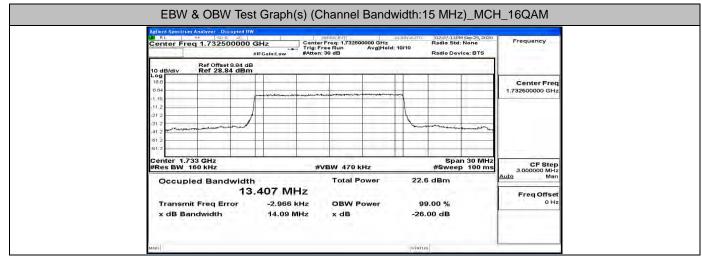


Adlend Spectrom Anstyser - Doctopied UW BL at test all						Frequency				
Ref Offset 8.84 dB 10 dB/div Ref 28.84 dBm										
Log 188 884	morenegation	-						Center Freq 1.747500000 GHz		
512 512 512 512 512					L.					
Center 1.748 GHz Span 30 MHz #Res BW 160 kHz #Sweep 100 ms						CF Step 3.000000 MHz Auto Man				
Occupied Bandwidth 13.405 MHz Transmit Freq Error 808 Hz × dB Bandwidth 14.18 MHz		Hz Hz	OBW Power		24.1 dBm 99.00 % -26.00 dB		Freq Offset			

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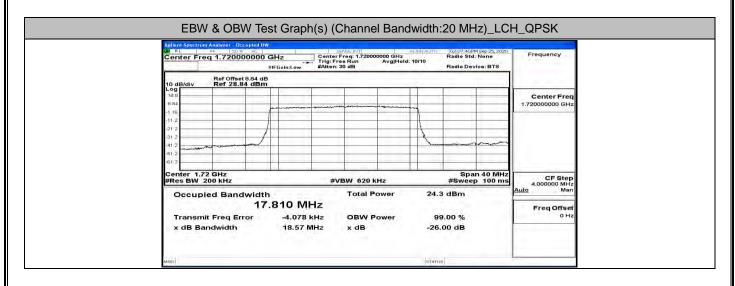


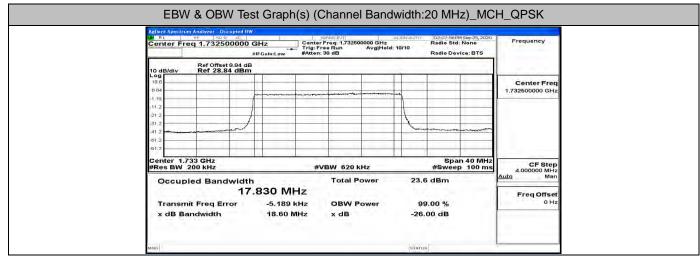


RL RF SDR AC		SENSEINT	ALIGNAUTO	02:07:31 PM Sep 25, 2020	Frequency	
Center Freq 1.747500000 GHz #IFGainLow #Atten: 30 dB Radio Std: None #IFGainLow #Atten: 30 dB Radio Device: BTS						
Ref Offset 8.84 d						
Log						
8.84					Center Freq 1.747500000 GHz	
-1.16						
212	/					
-312			June	mannen		
-41.2						
-61.2				1		
Center 1.748 GHz #Res BW 160 kHz	CF Step 3.000000 MHz					
Occupied Bandwidth Total Power 23.2 dBm					Auto Mar	
	13.408 MHz					
Transmit Freq Error	-530 Hz	OBW Power	99	.00 %	Freq Offset 0 Hz	
x dB Bandwidth	14.09 MHz	x dB	-26.0	00 dB		

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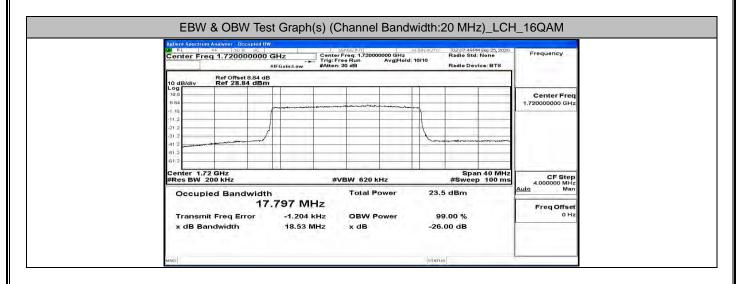


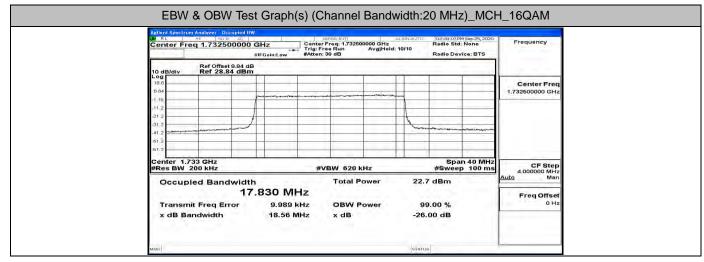


Agilent Spectrum Analyzer - Occupied I		SENSE:INT	ALIGNAUTO	02:08:16 PM Sep 25, 2020	Frequency			
Center Freq 1.745000000 GHz Center Freq: 1.74500000 GHz Radio Std: None #IFGain:Low #Atten: 30 dB Radio Device: BTS								
Ref Offset 8.84 d 10 dB/div Ref 28.84 dBr								
18.8 18.84					Center Freq 1.745000000 GHz			
-1.16								
-21 2 -31 2 -41 2			1	and the same of th				
61.2								
Center 1.745 GHz #Res BW 200 kHz	CF Step 4.000000 MHz <u>Auto</u> Man							
Occupied Bandwidth Total Power 23.8 dBm								
17.858 MHz Transmit Freg Error 15.555 kHz			99	.00 %	Freq Offset 0 Hz			
x dB Bandwidth	18.61 MHz			00 dB				

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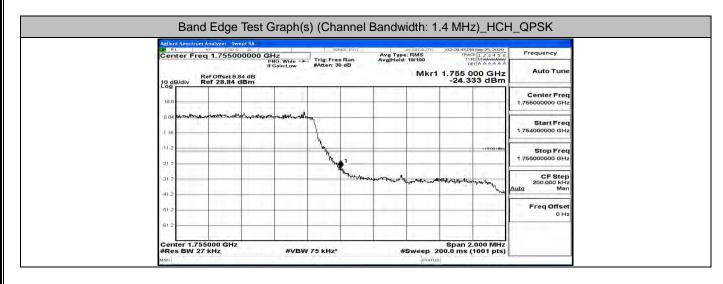


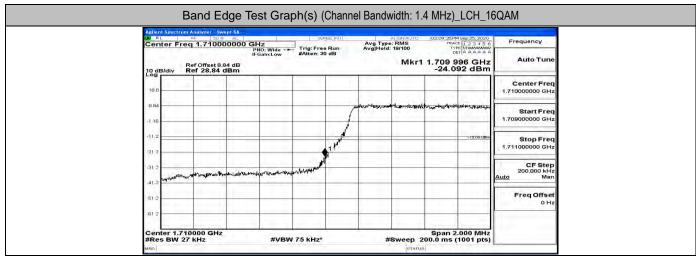
Aelent Spectrum Analyzer - Occupted IIW MR RL wF 150 G AD SHAELOTT ALWARDTO 102064251MS Sep 25, 2020 Contert Freq 1, 74,50000000 GHz Radio Std: None							
Center Freq 1.74500000	Frequency						
Ref Offset 8.84 dl							
Log							
18.8					Center Freq 1.745000000 GHz		
-1.16	6						
-11.2	1						
-31.2			have all more and				
-41.2							
-61.2				-			
Center 1.745 GHz #Res BW 200 kHz	n 40 MHz p 100 ms	CF Step 4.000000 MHz					
Occupied Bandwidth Total Power 22.8 dBm					Auto Man		
	17.837 MHz						
Transmit Freq Error	4.054 kHz	OBW Power	99.00 %		Freq Offset 0 Hz		
x dB Bandwidth	18.62 MHz	x dB	-26.00 dB	-26.00 dB			

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C.4 Band Edge

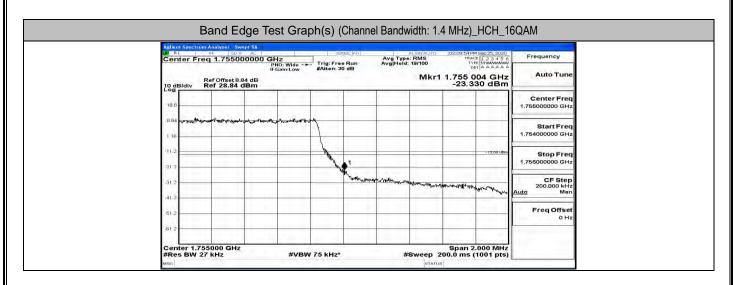
Center Freq 1.710000	000 GHz PNO: Wide Trig: Free	Avg Type: RMS Avg Hold: 18/100	102:09:25PM Sep 25, 2020 TRACE 1 2 3 4 5 6 TYPE MMMMMM DET A A A A A A	Frequency
Ref Offset 8.84	IFGain:Low #Atten: 30 dB		1 1.710 000 GHz -24.837 dBm	Auto Tune
18.8				Center Freq 1.710000000 GHz
-1.16		and the start and the second s	uterestimenteries. All and a second	Start Freq 1.70900000 GHz
-11,2		. out	-13.00 tiBen	Stop Freq 1.711000000 GHz
-21 2 -31 2	Mummer of a sum any a sum of a sum of a			CF Step 200.000 kHz Auto Man
-61 2			1	Freq Offset
-61 2				

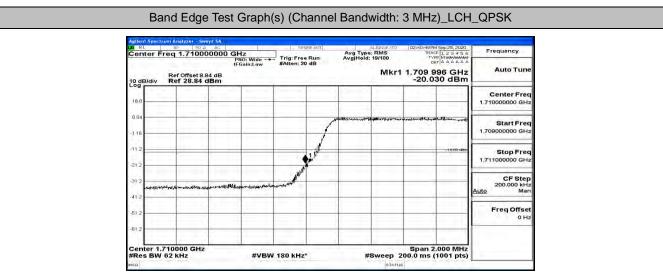


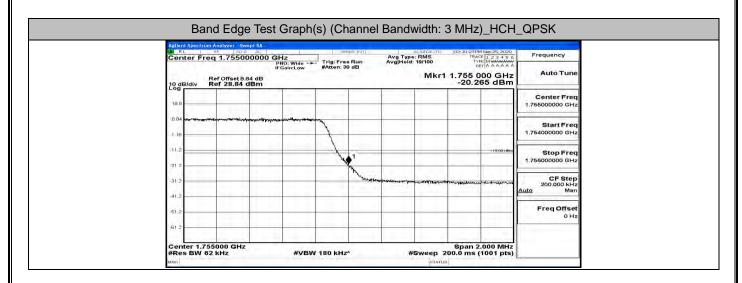


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Report No.: LCS200730059AEE

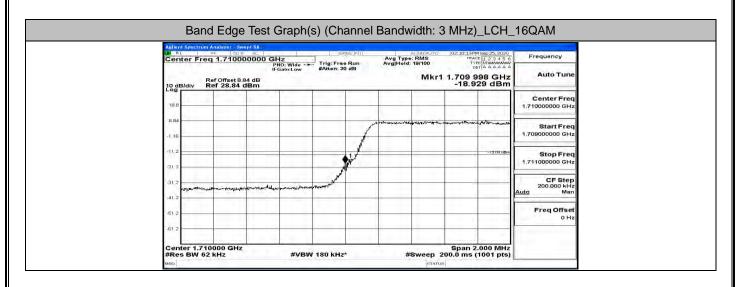


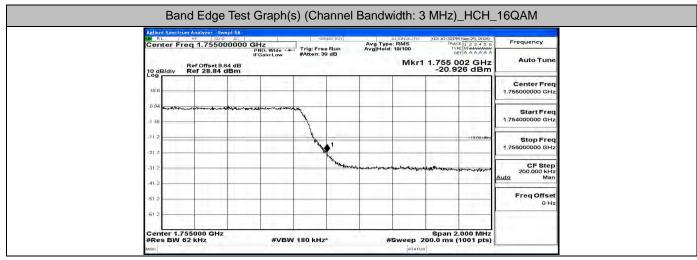


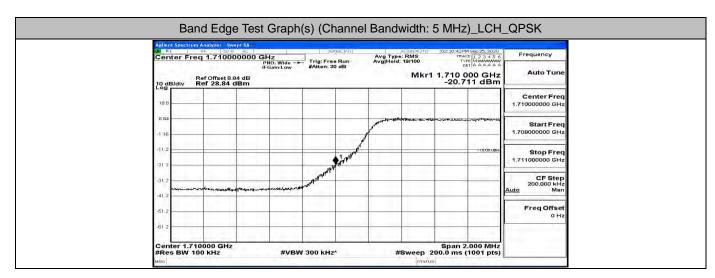


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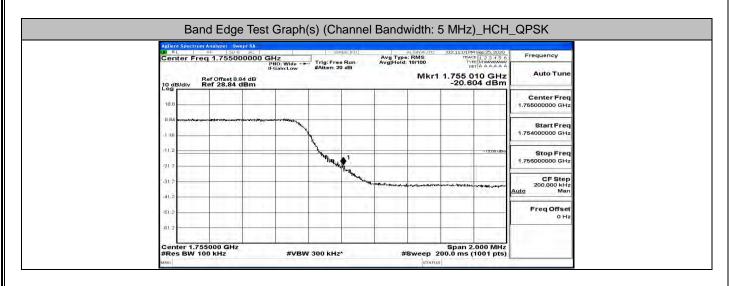


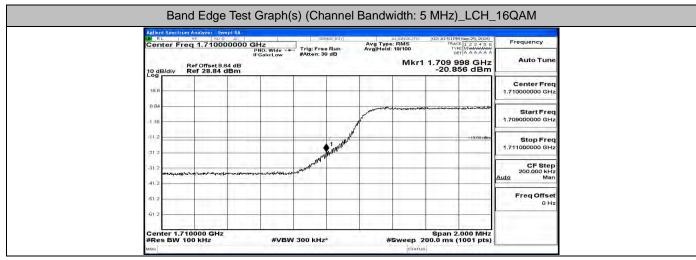


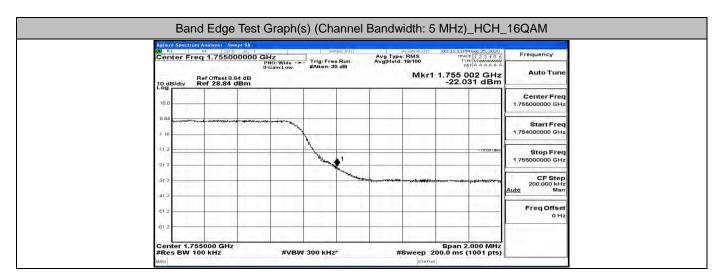


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Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

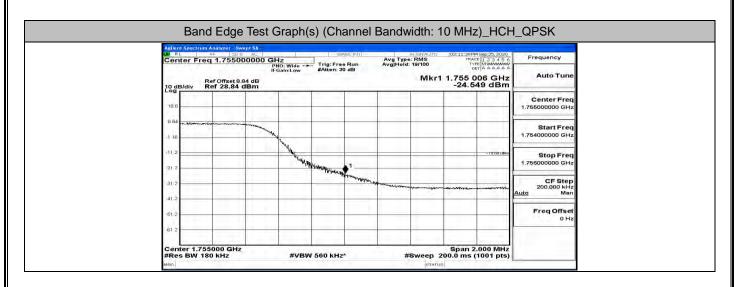
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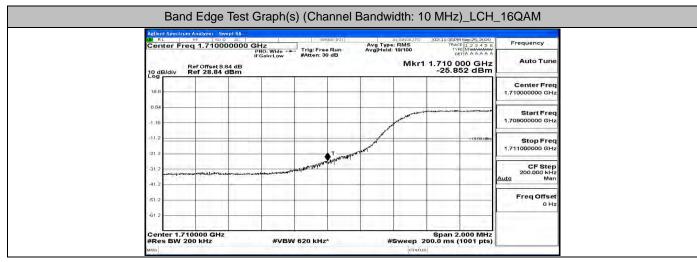
Report No.: LCS200730059AEE

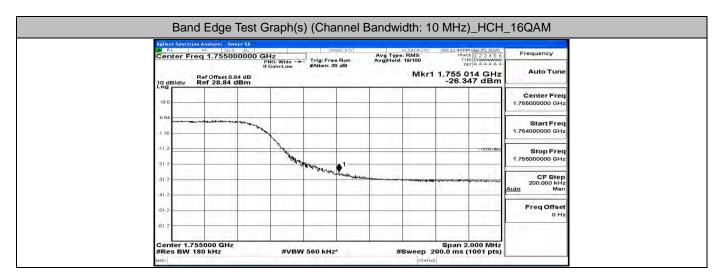
Cente		71000000	0 GHz		ense Inivi	Avg Type Avg Hold	ALIGNAUTO : RMS 19/100	02:11:20PM Sep 25, 2020 TRACE 1 2 3 4 5 6 TYPE MMMMMMM DET A A A A A A	Frequency
10 dB/d	Ref C	ffset 8.84 dB 28.84 dBm	PNO: Wide -+ IFGain:Low	#Atten: 3	30 dB			.709 994 GHz -24.797 dBm	Auto Tune
18.8		-							Center Freq 1.710000000 GHz
8 84									Start Freq 1.709000000 GHz
-11/2		_			1	and the		-13.00 tiBer	Stop Freq 1.711000000 GHz
-31.2	manning		and the second second	-	1 month and			_	CF Step 200.000 kHz
-41.2									Auto Man Freq Offset
-61.2									0 Hz
	1.71000 3W 200 k			/ 620 KH:		<u> </u>		Span 2.000 MHz).0 ms (1001 pts)	14.00 mm

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Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK

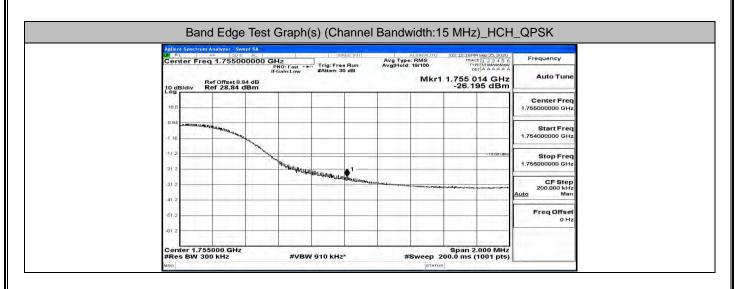
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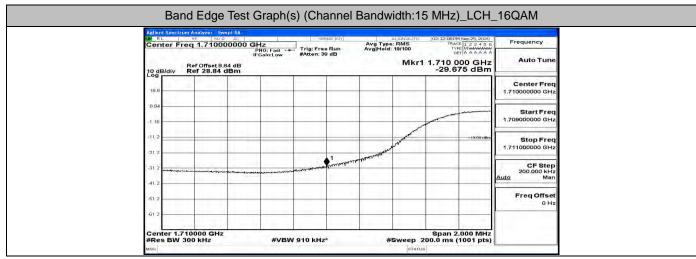
Report No.: LCS200730059AEE

Ref Offset 8 64 dB Augined: 18/100 Memory and the second distribution Auto Tune 10 dB/dv Ref Offset 8 64 dB Mkr1 1.709 988 GHz -28.787 dB Auto Tune 18.8		Freq 1.7100	00000 GH	z	CHOP ST T	Bun	Avg Type Avg Hold:	RMS	102:11:59P	M Sep 25, 2020 CE 1 2 3 4 5 6 PE MWAAWAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Frequency
188 Center Freq 188 Start Freq 116 Start Freq 112 Start Freq 113	10 dB/div	Ref Offset 8. Ref 28.84	84 dB	o: Fast ain:Low	#Atten: 30	dB			1.709 9	88 GHz	Auto Tune
116 Start Freq 11.2 1.70900000 GHz 21.2 1.7090000 GHz 31.2 1.7090000 GHz 31.2	15		1								
21.2 31.2 31.2 31.2 1.7.1100000 GHz 41.2 41.2 41.2 Freq Offset									waterman	interest and and and	
312 CF Step 412 CF Step 612 CF Step	0.00							and the second second		-13.00 tiBen	
41.2 61.2 FreqOffset 0Hz	-31 2				and the second second second	1 wether and the second	and the second				200.000 kHz
-61.2											
	-61.2										1

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Report No.: LCS200730059AEE

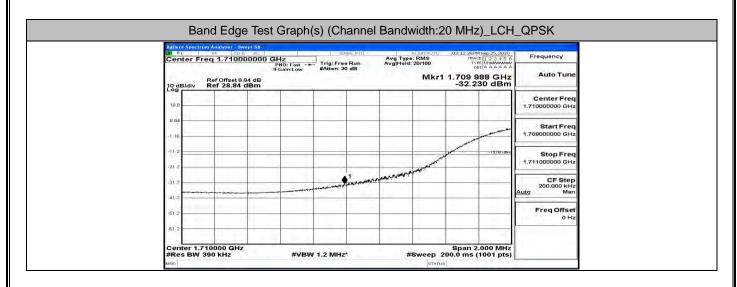


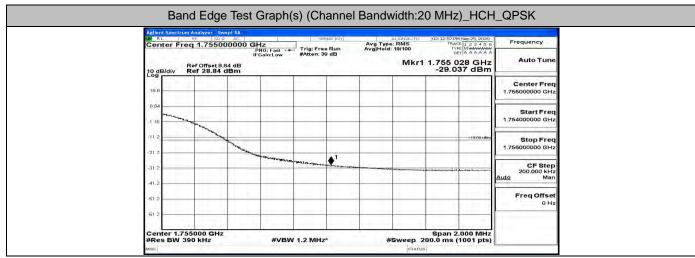


		m Analyzer			SENISE	MM -	ALIGNAUTO	02:12:27 PM Sep 25, 2020	
Ce	nter Fre	eq 1.755	000000	GHZ PNO: Fast -+	Trig: Free R	un Avg	Type: RMS Hold: 19/100	TYPE MUMANAM	Frequency
10 0	dB/div	Ref Offset Ref 28.8	8.84 dB	IFGain:Low	#Atten: 30 dl	3		1.755 004 GH: -27.615 dBn	Auto Tune
18.		-							Center Freq 1.755000000 GHz
-1.10	6	men man	surger .						Start Freq 1.754000000 GHz
-11.3	2		Never and a second	annon an anna				-11:00 1Be	Stop Freq 1.756000000 GHz
-31 :	2			. Animer of	marine and the		Notes		CF Step 200.000 kHz Auto Man
-61 :	2								Freq Offset 0 Hz

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Agile		m Analyzer	Swept SA		58	ruse:Ini (ALIGNAUTO	02:12:48.PM 9	ap 25, 2020	
Cer	nter Fre	eq 1.710	000000	SHZ PNO: Fast	Trig: Fre	e Run	Avg Type Avg Hold:	19/100	TRACE	123456 MMMMMM AAAAAA	Frequency
10 c	B/div	Ref Offset Ref 28.8	8.84 dB	IF.Gain:Low	#Atten: 3	0 dB			1.709 99		Auto Tune
18.8	i										Center Freq 1.710000000 GHz
-1.16									new.	www.gengenange	Start Freq 1.709000000 GHz
-11.2				_				wand	Willing the and the state	-13.00 tiBen	Stop Freq 1.711000000 GHz
-31.2	merenin	4.194.001a				1 Summerselman	and minare in the second	NUN NAV	-		CF Step 200.000 kHz Auto Man
-61.2								_			Freq Offset 0 Hz

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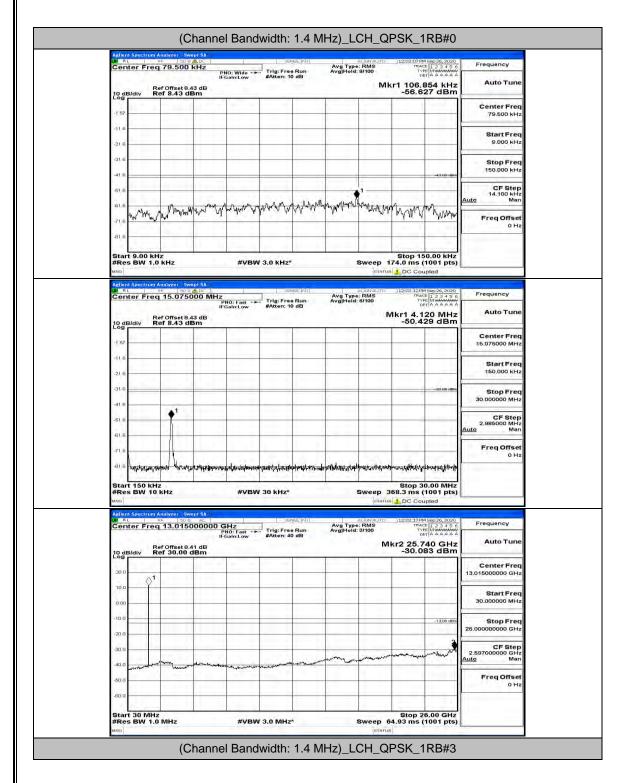
Report No.: LCS200730059AEE

		um Analyzer				PUSE:INT		ALIGNAUTO	02:13:07 PM 9		
		req 1.75		GHz PNO: Fast	Trig: Fre	e Run	Avg Type Avg Hold		TRACE	123456 MMMMMM AAAAAA	Frequency
18	dB/div	Ref Offset Ref 28.8		IFGain:Low	#Atten: 3	10 dB	11.00		1.755 00 -28.48	8 GHz	Auto Tune
18	a 14 **	1									Center Freq 1.755000000 GHz
8.6 -1.1	16	Martin Contraction									Start Freq 1.754000000 GHz
-11		mar and	-	_						-13.00 tilbin	Stop Freq 1.756000000 GHz
-31	2			***	*****	\$1					CF Step 200.000 kHz Auto Man
-41 -51											Freq Offset 0 Hz

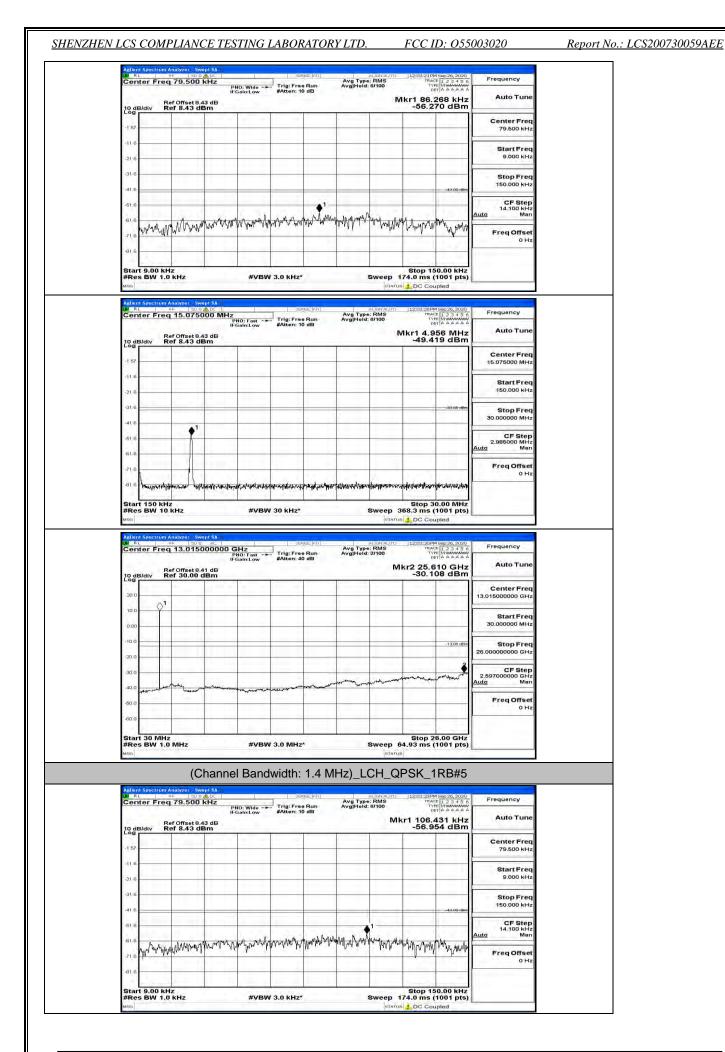
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C.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

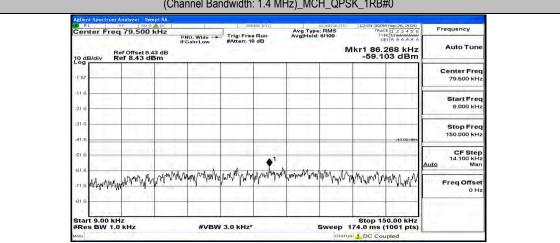


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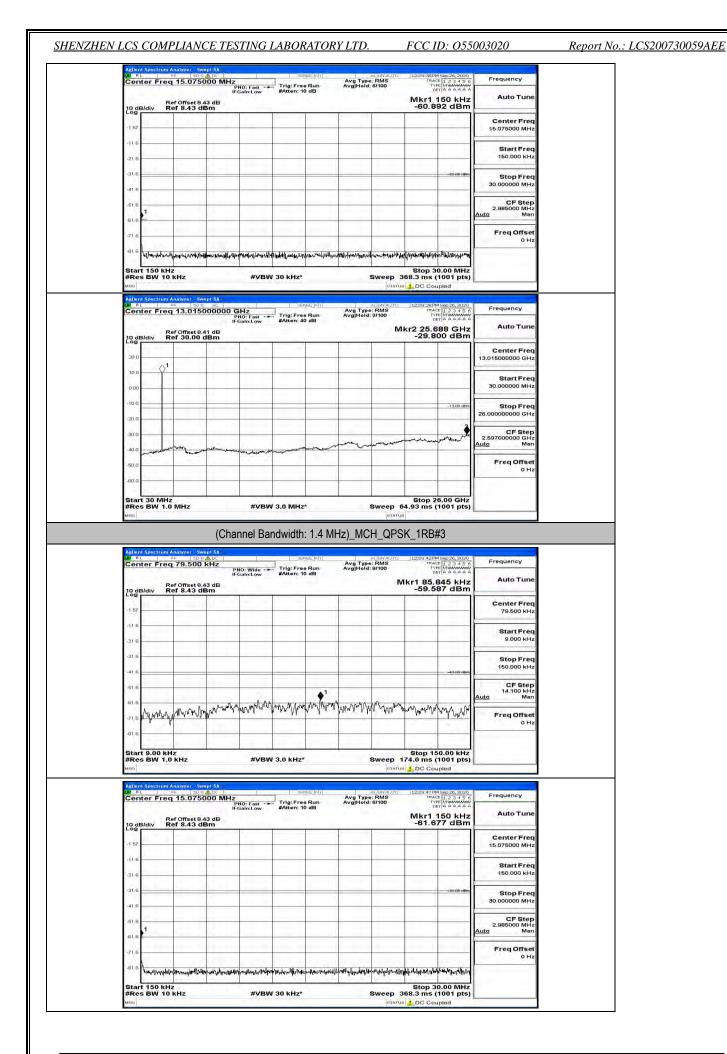


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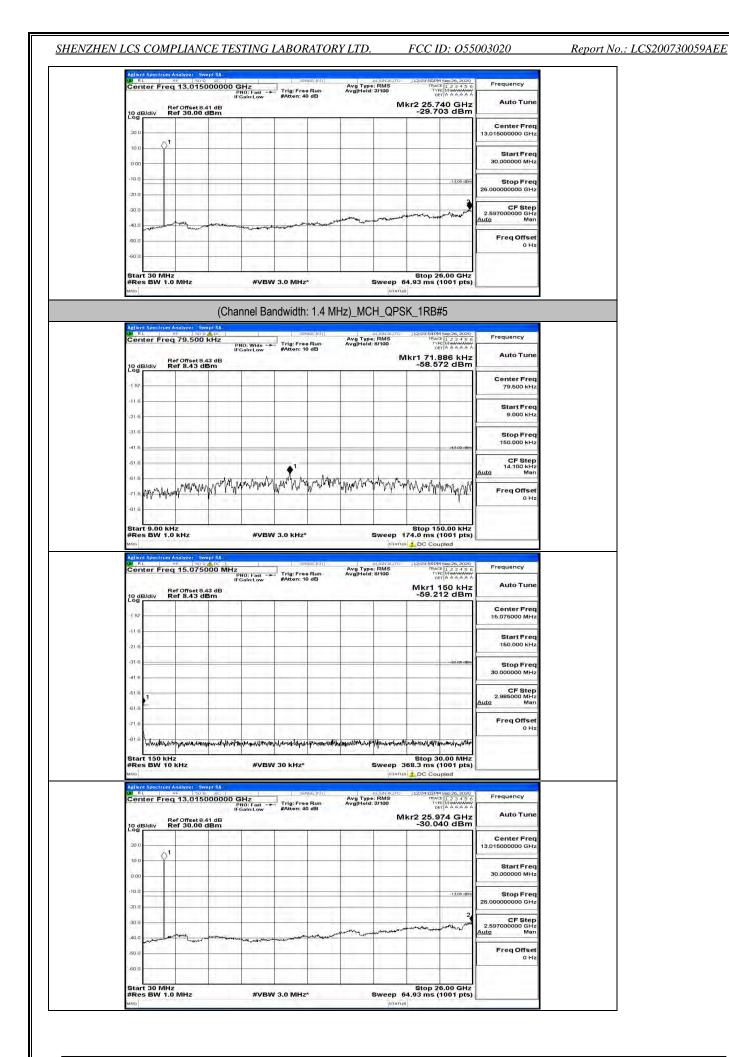
Center Freq 15.075000 f Ref Offset 8.43 dB 10 dB/d(v Ref 8.43 dBm	MHz PNO: Fast IFGain:Low #Atten: 10 dB		12:02:38 PM Sep 26, 2020 TRACE 1 2 3 4 5 6 TYPE MUMUMUM DETA A A A A A (r1 5,463 MHz -50,163 dBm	Frequency Auto Tune	
10 dB/div Ref 8.43 dBm				Center Freq 15.075000 MHz	
-11.6				Start Freq 150.000 kHz	
-31.6			-33:80 dBm	Stop Freq 30.000000 MHz	
-61.6				CF Step 2.985000 MHz <u>Auto</u> Man	
-71,6				Freq Offset 0 Hz	
Start 150 kHz #Res BW 10 kHz wso	#VBW 30 kHz*	Sweep 368	Stop 30.00 MHz 3.3 ms (1001 pts) DC Coupled		
#Res BW 10 kHz	SEMSE: INT	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS	3.3 ms (1001 pts) DC Coupled 1202:42PM Sep 26, 2020 TRACE [2 3 4 5 6, TYPE IN MYWWW DET A A A A A	Frequency Auto Tune	
#Res BW 10 KHz Mile 10 KHz Addent Spectrum Analyzer Frequent SA Mile 1 Sectors Center Freq 13.0150000 Ref Offset8.41 dB 10 dB/div Ref 30.00 dBm 20 0	SENSE:[N]	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS	3.3 ms (1001 pts) DC Coupled	1000 1000	
#Res BW 10 KHz woo Addrof Spectrum Analyzer, Swept 3A, 20 . R t	SENSE:[N]	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS	3.3 ms (1001 pts) DC Coupled 1202:42PM Sep 26, 2020 TRACE [2 3 4 5 6, TYPE IN MYWWW DET A A A A A	Auto Tune Center Freq	
#Res BW 10 KHz weight the section Analyzer Swept AA Adlent Spectrum Analyzer Swept AA BH RL 9 99 900 000 Center Freq 13.015000 000 Ref Offset8.41 dB Log 300 10 10 10 10 10 10 10 10 10 10 10 10 1	SENSE:[N]	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS Avg Type: 3/100	3.3 ms (1001 pts) DC Coupled 1202:42PM Sep 26, 2020 TRACE [2 3 4 5 6, TYPE IN MYWWW DET A A A A A	Auto Tune Center Freq 13.015000000 GHz Start Freq	
#Res BW 10 KHz wro Addred Section Analyser. Swept 3A. Sector Freq 13.0150000 Center Freq 13.0150000 Ref 0758641 dB 10 dB/dtv Ref 30.00 dBm 10 0 10 0	SENSE:[N]	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS Avg Type: 3/100	3.3 ms (1001 pts). DC Coupled Trace (12.2 × 15 o Trace (12.2 × 15 o)))))))))))))))))))))))))))))))))))	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq	
#Res BW 10 KHz Mino Addient Spectrum Analyzer, Swept 3A, 201, RL Sectrum Analyzer,	SENSE:[N]	Sweep 368 pararus 3 autostauro 3 Avg Type: RMS Avg Type: RMS Avg Type: 3/100	3.3 mis (1001 pts) DC Coupled 1207-0314 sep 26, 2000 Trace 12 3 4 5 6 Tree 14 4 4 4 5 4 4 5 6 Tree 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.597000000 GHz	
#Res BW 10 KHz Mino Addient Spectrum Analyser. Swept 3A. Str. At. Sector Analyser. Swept 3A. Center Freq 13.0150000 Ref Offset8.41 dB 10 dB/div Ref 30.00 dBm 30 0 10	SENSE:[N]	Sweep 368 pranul 3 accession Avg Type RMS AvgHeld: 3700 Mkr	3.3 mis (1001 pts) DC Coupled 1207-0314 sep 26, 2000 Trace 12 3 4 5 6 Tree 14 4 4 4 5 4 4 5 6 Tree 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.0000000 MHz Stop Freq 25.00000000 GHz 2.59700000 GHz Auto Man Freq Offset	



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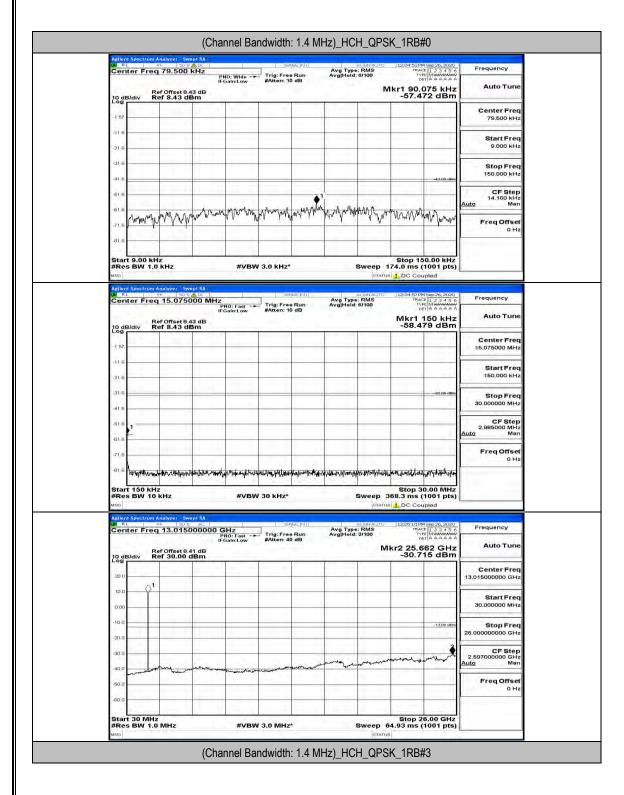


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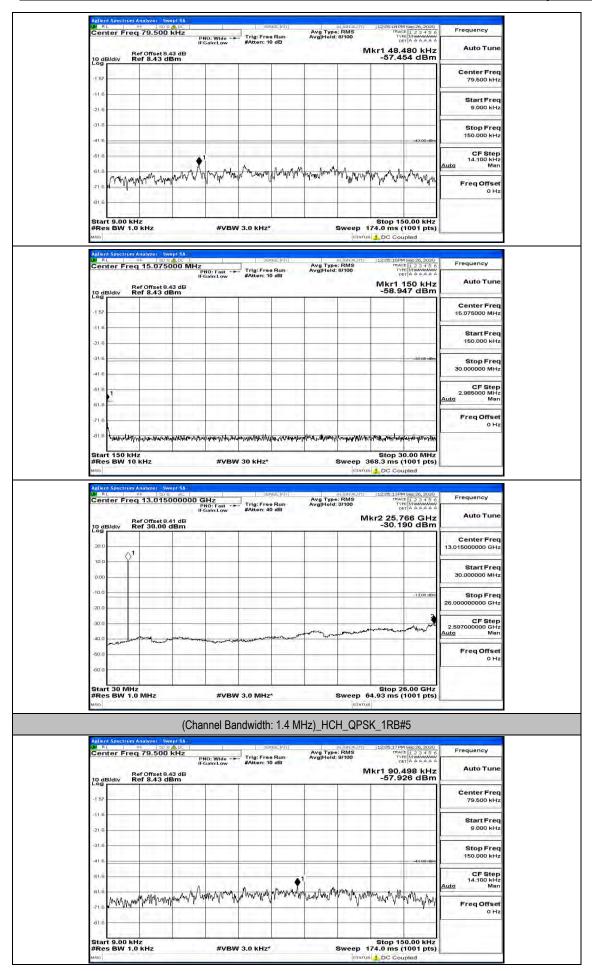
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Report No.: LCS200730059AEE



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LW RL	RE SURAD	-	sense:Inir	ALIGNAUTO	12:05:22 PM Sep 26, 2020	Frequency
10 dB/div	Ref Offset 8.43 d Ref 8.43 dBm	PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 10 dB	Avg Type: RMS Avg Hold: 8/100	Mkr1 150 kHz -55.950 dBm	Auto Tun
-1 57						Center Free 15.075000 MH
-21.6						Start Freq 150.000 kHz
-31.6					-33.00 dBm	Stop Freq 30.000000 MHz
-61.6 1						CF Step 2.985000 MHz <u>Auto</u> Man
-71.6						Freq Offset 0 Hz
Start 15 #Res BV		#VB	W 30 kHz*		Stop 30.00 MHz 368.3 ms (1001 pts)	
MSQ				5131	B DC Coupled	-
Agilent Spec	rom Analyzer Swept S RF 500 A		SENSE [N]		12:05:25 PM Sep 26, 2020 TRACE 1, 2, 3, 4, 5, 6	Frequency
Aglient Spec W RL Center	rum Analyzer – Swept S PF 150 © A Freq 13.015000 Ref Offset 8.41 d Ref 30.00 dBr	000 GHz PNO: Fast - IFGain:Low	C	Aug Type: RMS Avg Hold: 3/100	12:05:25PM Sep 26, 2020	
Agilent Spec	Freq 13.015000	000 GHz PNO: Fast - IFGain:Low	Trig: Free Run	Aug Type: RMS Avg Hold: 3/100	12:05:25 PM Sep 26, 2020 TRACE 1 2 3 4 5 6 TYPE MINIMUM DETA A A A A 1kr2 25,740 GHz	Frequency Auto Tune Center Freq 13.01500000 GH2
Aellent Spe D/L RL Center 10 dB/div Log	Ref 017set 8,41 d	000 GHz PNO: Fast - IFGain:Low	Trig: Free Run	Aug Type: RMS Avg Hold: 3/100	12:05:25 PM Sep 26, 2020 TRACE 1 2 3 4 5 6 TYPE MINIMUM DETA A A A A 1kr2 25,740 GHz	Auto Tune Center Freq
Adion Spe Center 10 dB/div 200	Ref 017set 8,41 d	000 GHz PNO: Fast - IFGain:Low	Trig: Free Run	Aug Type: RMS Avg Hold: 3/100	12:05:25 PM Sep 26, 2020 TRACE 1 2 3 4 5 6 TYPE MINIMUM DETA A A A A 1kr2 25,740 GHz	Auto Tune Center Freq 13.01500000 GHz Start Freq
Aellent Spec 20 RL Center 10 dB/div 20 0 10 0 -10 0	Ref 017set 8,41 d	000 GHz PNO: Fast - IFGain:Low	Trig: Free Run	Aug Type: RMS Avg Hold: 3/100	12:00:21 M sep 26, 2020 made [2 3 4 5 6 Viet for available 18:r2 25.740 GHz -30.585 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.00000 MHz Stop Freq

#VBW 3.0 MHz*

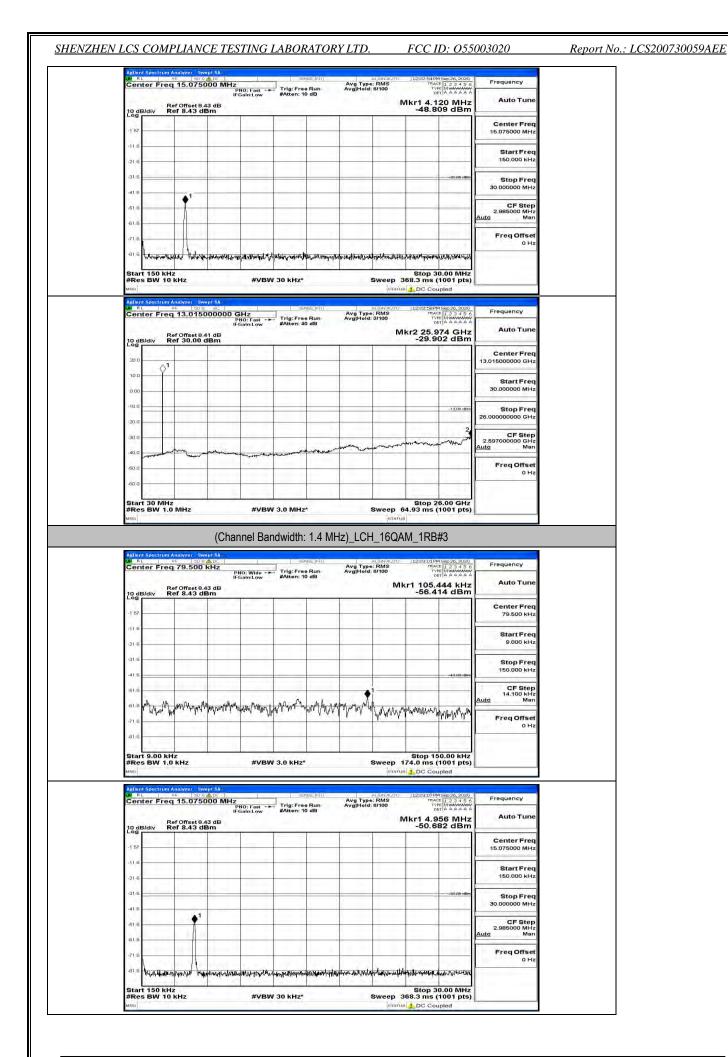
Start 30 MHz #Res BW 1.0 MHz

Frequency	M Sep 26, 2020 ACE 1 2 3 4 5 6 YPE MINANANAN DET A A A A A A	12:02:49 P	ALIGNAUTO Type: RMS Iold: 8/100		Seru Trig: Free	1	Analyzer Swept SA	RL
Auto Tune	.704 kHz 117 dBm	Mkr1 85.		3	#Atten: 10	PNO: Wide -+ IFGain:Low	tef Offset 8.43 dB tef 8.43 dBm	0 dB/div
Center Freq 79.500 kHz								1 57
Start Freq 9.000 kHz								21.6
Stop Freq 150.000 kHz	-43.00 dBin							31.6
CF Step 14.100 kHz uuto Man				*1				61.6
Freq Offset 0 Hz	www.	in hypertrymon	long will want	nhapp	and my And	h marine and	a satayan si ata ang	516 1 WWW
								81.6

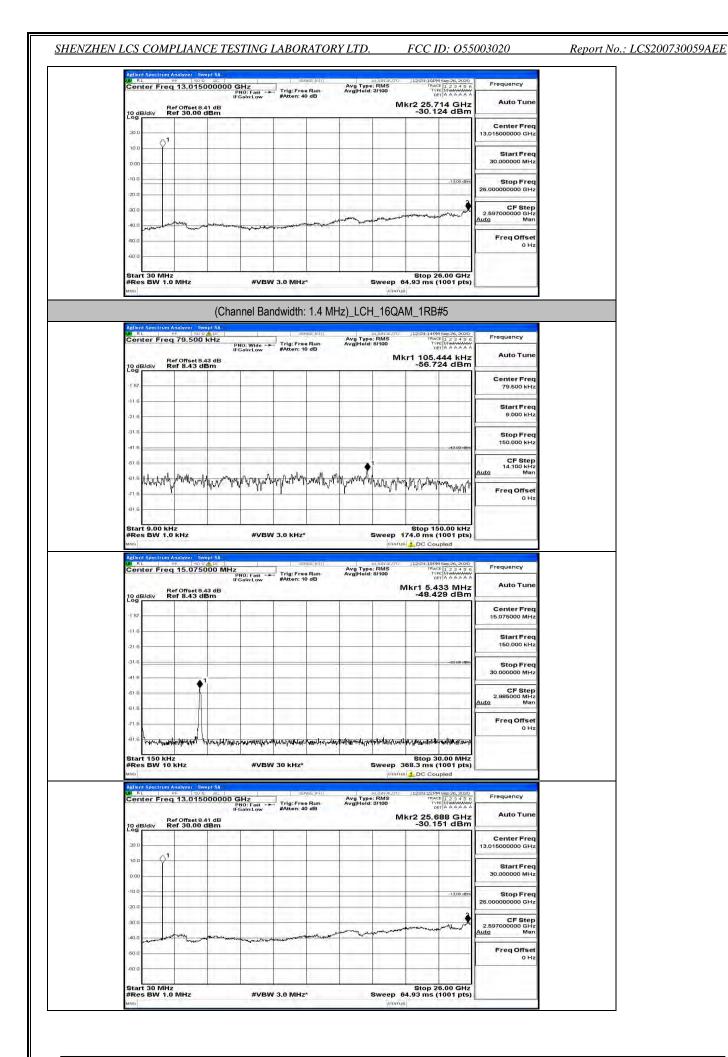
Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

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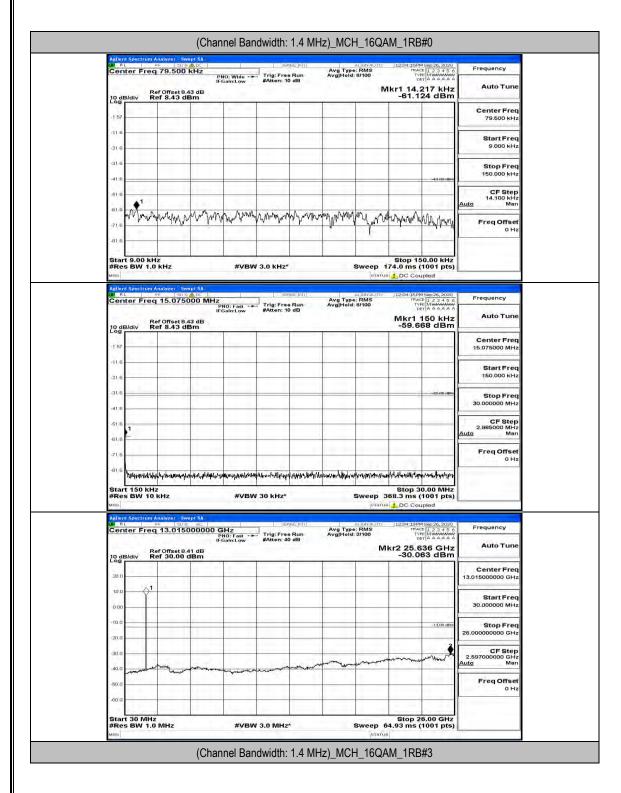


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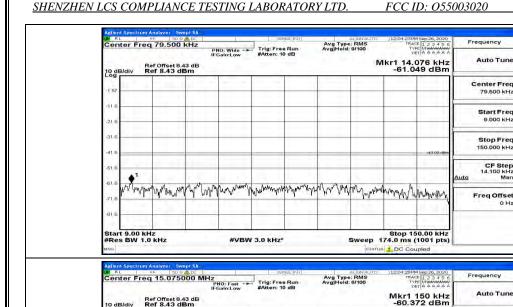


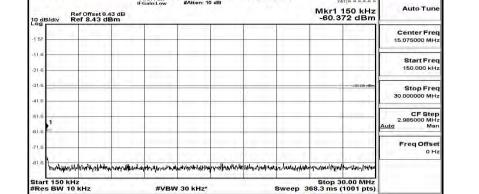
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Frequency		12:04:32P	RMS	Avg Typ Avg Hold	rig: Free Run	PNO: Fast	13.01500000	enter Free
Auto Tune	36 GHz 33 dBm	kr2 25.0			Atten: 40 dB	IFGain:Low	f Offset 8.41 dB	DdB/div F
Center Freq 13.015000000 GHz								og
Start Freq 30.000000 MHz								0.0
Stop Freq 26.00000000 GHz	-1.3,00 dDin							0.0
CF Step 2.597000000 GHz Auto Man	munit	and the second sec	man	mum				ο.ά
Freq Offset 0 Hz					and the second s	wood and a stand of the stand o	- And	0.0 0.0

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5

#VBW 3.0 MHz*

Start 30 MHz #Res BW 1.0 MHz

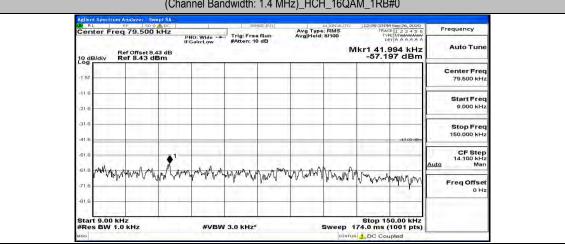
Center Free	79.500	PI	iO: Wide -+ Sain:Low	Trig: Free #Atten: 10		Avg Type Avg Hold:	8/100	TRAC TVI D	TE 123456 TE MINANA	
	tef Offset 8.4 tef 8.43 de			-			м		768 kHz 12 dBm	Auto Tune
-1 57		1 -								Center Fred 79.500 kH:
-21.6										Start Fred 9.000 kH;
-31.6									-43.00 dBm	Stop Fred 150.000 kH;
-61.6	. /		6.9	2.4						CF Step 14.100 kH Auto Mar
-71.6 MM	YWWWWW	writer	Murring	howwww	Marin	Mar Marin	www.andwa	halmprah	mpupping	Freq Offse 0 H
-81.6 Start 9.00 ki				-				Otran 11		
#Res BW 1.0			#VBW	3.0 kHz*			and the second se	74.0 ms (50.00 kHz 1001 pts)	h

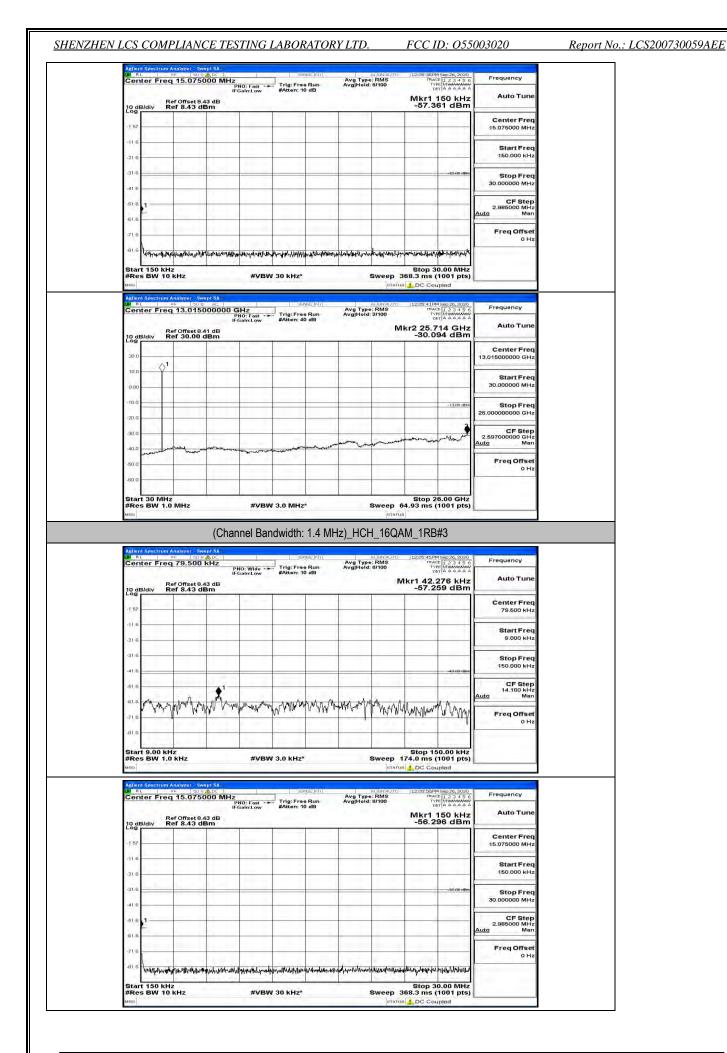
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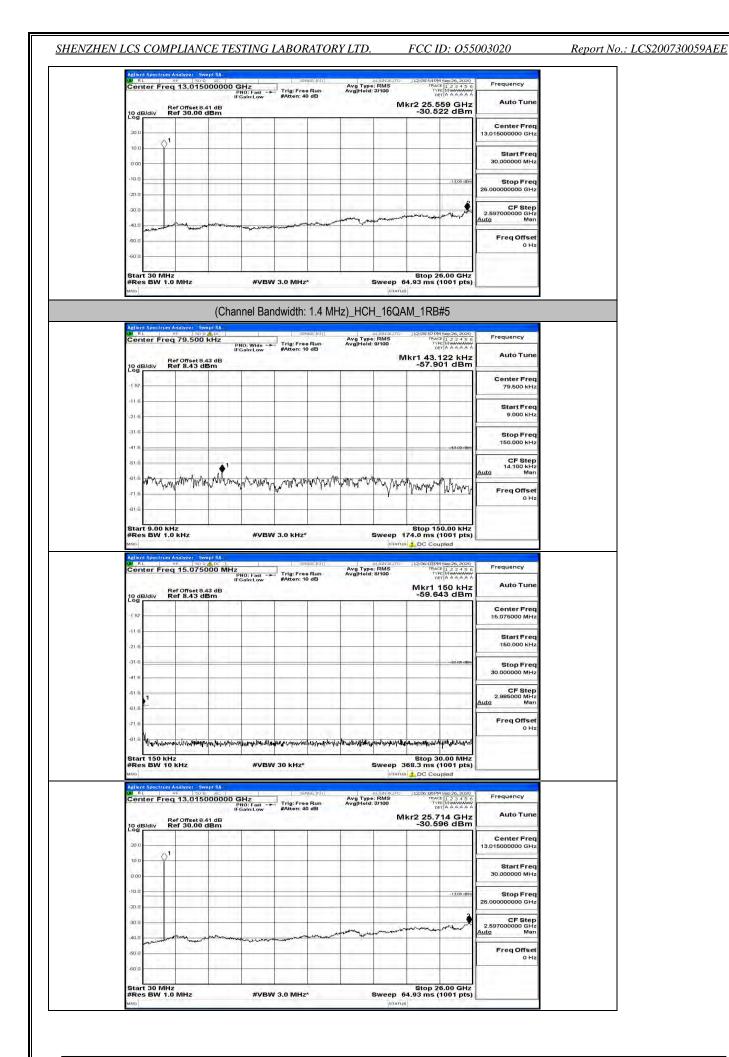
Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

	RL I	Ref Offset 8	5000 MHz	PNO: Fast 🔸	Trig: Free #Atten: 10	Bun dB	Avg Type: Avg Hold:	RMS 8/100	Mkr1	150 kHz 17 dBm	Frequency Auto Tune	
-1 57	11.77			-							Center Freq 15.075000 MHz	
-11.6	1.000	-									Start Freq 150.000 kHz	
-31.6		-								-33:00 dBm	Stop Freq 30.000000 MHz	
-41.6	1.0	-									CF Step 2.985000 MHz Auto Man	
-61.6 -71.6											Freq Offset	
#Re MSG	8 L	10 KHz	0 AL	347	1	vse:Intri		STATUS	68.3 ms (A Seo 26, 2020	Frequency	
Acilie Miso Acilie Diff	IB/div	10 KHz Im Analyzer - S	0000000 (0.41 dB		SEN	Run		STATUS LIGNAUTO RMS 3/100	12:04:44 PK	1001 pts) Ipled	100000	
Apple MSC Cer 10 c	IB/div	10 kHz m Analyzer S ⊮⊨ S0 eq 13.015 Ref Offset 8	0000000 (0.41 dB	347	SEN	Run		STATUS LIGNAUTO RMS 3/100	12:04:44 PK	1001 pts) ipled 1569 26, 2020 # 1 2 3 4 5 6 # Munutury T A A A A A	Auto Tune Center Freq	
#Re Maile Maile Cer 10 c 20 c	IN Spectro Inter Fr	10 kHz min Analyzer - S with I So eq 13.015 Ref Offiset & Ref 30.00	0000000 (0.41 dB	347	SEN	Run		STATUS LIGNAUTO RMS 3/100	12:04:44 PK	1001 pts) ipled 1569 26, 2020 # 1 2 3 4 5 6 # Munutury T A A A A A	Auto Tune Center Freq 13.015000000 GHz Start Freq	
#Re Millio Action Part P Cent 20 0 20 0 10 0 -10 0 -20 0 -20 0	iB/div	10 kHz min Analyzer - S with I So eq 13.015 Ref Offiset & Ref 30.00	0000000 (0.41 dB	347	SEN	Run		STATUS LIGNAUTO RMS 3/100	12:04:44 PK	1001 pts) ipled	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq	
#Re MINO Applie 2010 10.0 10.0 -20.0 -20.0 -40.0 -50.0	IB/div	10 kHz min Analyzer - S with I So eq 13.015 Ref Offiset & Ref 30.00	0000000 (0.41 dB	347	SEN	Run		STATUS LIGNAUTO RMS 3/100	12:04:44 PK	1001 pts) ipled	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz 2.69700000 GHz	
#Re wno Cer 20 C 20 C 10 C 20 C 20 C 20 C 20 C 20 C 20 C 20 C 2	IB/div	10 kHz	0000000 (0.41 dB	SHz MG Fast GainLaw	SEN	Run de	Ave Type-	MILENALITO	12204-00 12204-	1001 pts) ipied 199263.2000 199263.2000 199264.2000 199264.2000 113204BB	Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.59700000 GHz Auto Man Freq Offset	





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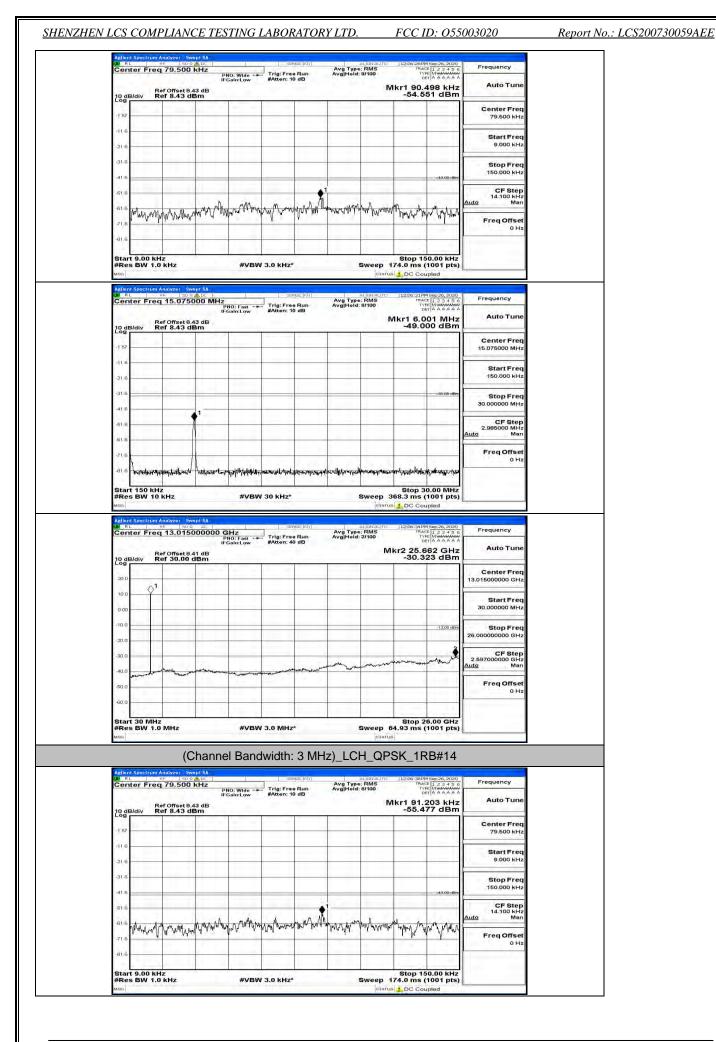


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Channel Bandwidth: 3 MHz

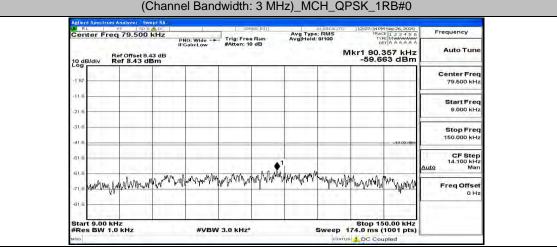
Aglent Spectrum Analyzer		sense;hir]	ALIGNAUTO Avg Type: RMS	12:06:13PM Sep 26, 2020 TRACE 1 2 3 4 5 6	Frequency
Center Fred 79.50 Ref Offset	PNO: Wide -+ IFGain:Low 8.43 dB	Trig:Free Run #Atten: 10 dB	Avg Type: RMS Avg Hold: 8/100	TRACE 1 2 3 4 5 6 TYPE MINIMUM DET A A A A A Mkr1 92.049 kHz -57.036 dBm	Auto Tune
-1 57					Center Freq 79.500 kHz
-21.6					Start Freq 9.000 kHz
-31.6					Stop Freq
-41.6				-43.00 (Ben	150.000 kHz CF Step 14.100 kHz
.61.6 MM MANNAN	water water water	when when a	www.whenther www.	Munnahanna	Auto Man Freq Offset
-21.6					0 Hz
Start 9.00 kHz #Res BW 1.0 kHz	#vbw	3.0 KHz*	Sweep	Stop 150.00 kHz 174.0 ms (1001 pts)	
Agijent Spectrum Analyzer Di/ RL 96 12	Swept SA		STATU	s 🛃 DC Coupled	
Center Freq 15.07	PNO: Fast -+ IFGain:Low 9.43 dB	Trig: Free Run #Atten: 10 dB	Avg Type: RMS Avg Hold: 8/100	112:06:191M Sep 26, 2020 TRACE 1 2 3 4 5 6 TYPE MUMANANA DETIA A A A A A Mkr1 4.120 MHz -48,426 dBm	Frequency Auto Tune
10 dB/div Ref 8.43					Center Freq 15.075000 MHz
-11.6					Start Freq 150.000 kHz
-31.6					Stop Freq 30.000000 MHz
-61.6					CF Step 2.985000 MHz
-71.6					Auto Man Freq Offset
-81.6 When when the time	haardynoorstadunooppunoo	the overlap the state of an approximate	anathermonological and an and a second second	ataun tenteratautertrapulater in	0 Hz
Start 150 kHz #Res BW 10 kHz	#VBW	30 kHz*		Stop 30.00 MHz 368.3 ms (1001 pts)	
Agilent Spectrum Analyzer	D.Q. AL		ALIGNAUTO	112:06:22 DM Sam 26, 2020	Frequency
Center Freq 13.01 Ref offset	PNO: Fast -+ IFGain:Low 8.41 dB	Trig: Free Run #Atten: 40 dB	Avg Type: RMS Avg Hold: 3/100	THE 123456 THE MANAGE DET AAAAAA Ikr2 25.792 GHz -30.413 dBm	Auto Tune
10 dB/div Ref 30.00				-30.413 (Bill)	Center Freq 13.01500000 GHz
10.0					Start Freq 30.000000 MHz
-10.0				-13,00 dbm	Stop Freq
-20.0					26.00000000 GHz
-30.0	and and a second a	main and a second	and the second and a second	warman	2.597000000 GHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz
-60.0 Start 30 MHz				Stop 26.00 GHz	
#Res BW 1.0 MHz	#VBW	3.0 MHz*	Sweep	Stop 26.00 GHz 54.93 ms (1001 pts)	

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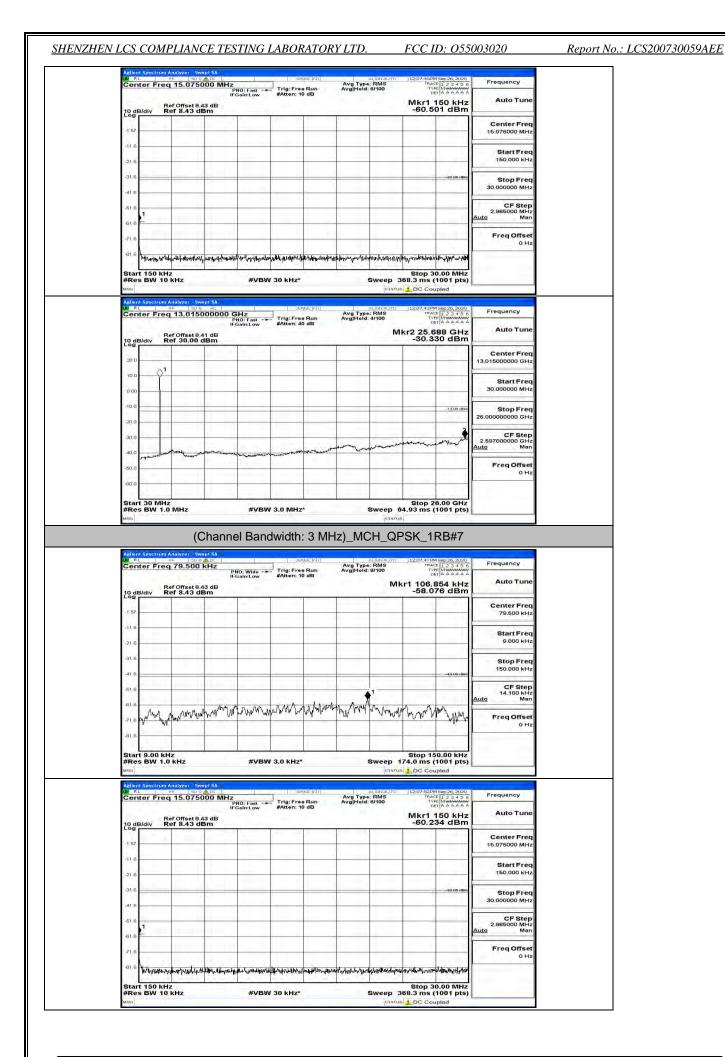


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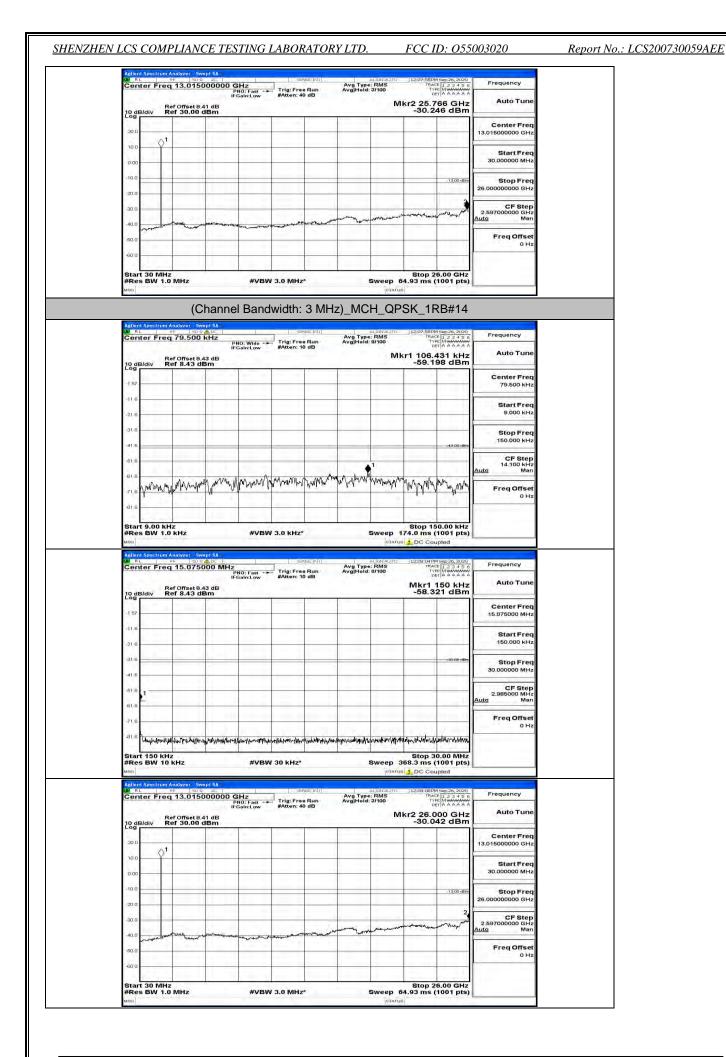
Addent Spectrum Analyzer - Swept W RL RF 20.9 (A) Center Freq 15.07500	O MHz	Ava Type: RMS	12:06:43 PM Sep 26, 2020 TRACE 1 2 3 4 5 6 TVPE MUMANANA DET A A A A A	Frequency
Ref Offset 8.43 10 dB/div Ref 8.43 dBr	BNO: Fast Trig: Free Ru IFGain:Low #Atten: 10 dB		Mkr1 7.881 MHz -50.689 dBm	Auto Tune
-1 57			-	Center Freq 15.075000 MHz
-21.6				Start Freq 150.000 kHz
-31.6			-33-06 dBm	Stop Freq 30.000000 MHz
-61.6	^ '			CF Step 2.985000 MHz <u>Auto</u> Man
-71.6				Freq Offset 0 Hz
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*		Stop 30.00 MHz 368.3 ms (1001 pts)	
Start 150 kHz #Res BW 10 kHz #Mo Adlent Spectrum Analyzer, swep R RL ve too Center Freq 13,01500 Ref Offset 8.41	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) 1200-ref (1001 pts) 1200-re	Frequency Auto Tune
Start 150 kHz #Res BW 10 kHz wwo Rel ex 200 Center Freq 13.01500 Center Freq 13.01500 De dB/div Ref 30.00 dB	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) DC Coupled	Frequency Auto Tune
Start 150 kHz #Res BW 10 kHz #Res BW 10 kHz and a sector of the sector of the sector of the sector of the sector of the sector Center Freq 13.01500 to dB/div Ref 30.00 dB	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) 1200-ref Misep 6.000 1200-ref Misep 6.000 ref A AAAA 14x2 25.714 GHz	Frequency Auto Tune Center Freq
Start 150 kHz #Res BW 10 kHz wmg Ret use 100 g Center Freq 13,01500 Center Freq 13,01500 D dB/div Ref 30.00 dE	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) 1200-ref Misep 6.000 1200-ref Misep 6.000 ref A AAAA 14x2 25.714 GHz	Frequency Auto Tune Center Freq 13.015000000 GHz Start Freq
Start 150 kHz #Res BW 10 kHz #Res BW 10 kHz #moi Adlend Spectrum Analyzer Brain Spectrum Analyzer Cernter Freq 13.01500 10 dBJdiv Ref Offset 8.41 10 dBJdiv 20.0 30.0 10.0 10.0 30.0	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) C Coupled	Frequency Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq
Adlent Spectrum Analyzer Sweet aver Spectrum Analyzer Sweet Center Freq 13.01500 Center Spectrum Analyzer Sweet Center Spectrum Analyzer Sweet Center Spectrum Analyzer Sweet Spectrum Analyze	#VBW 30 kHz*	Sweep atan Avg Type: RM an AvgINoid: 3/100 3	Stop 30.00 MHz 368.3 ms (1001 pts) C C Coupled 1200-10 M Sende 5.0000 The C C C C C C C C C C C C C C C C C C C	Frequency Auto Tune Center Freq 13.015000000 GHz Start Freq 30.0000000 GHz Stop Freq 25.09000000 GHz 2.597000000 GHz



Report No.: LCS200730059AEE

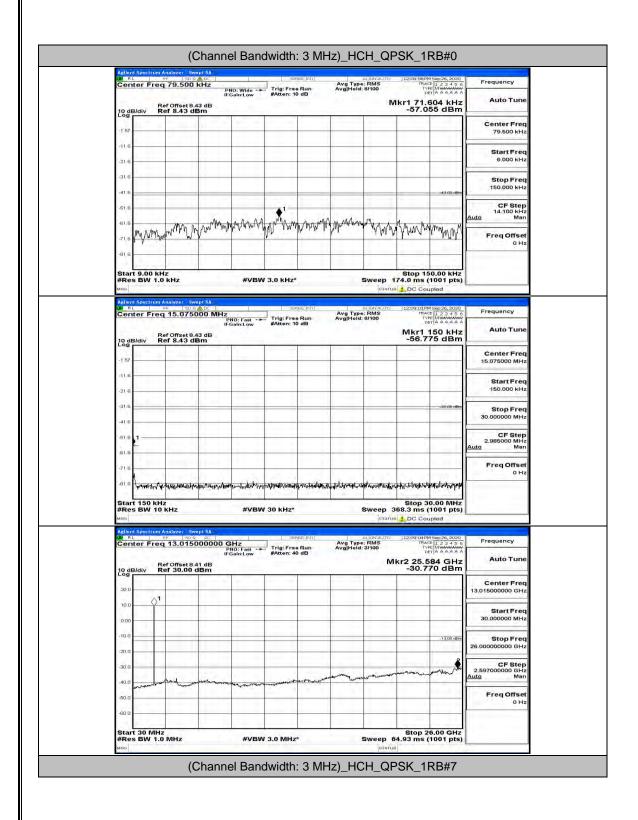


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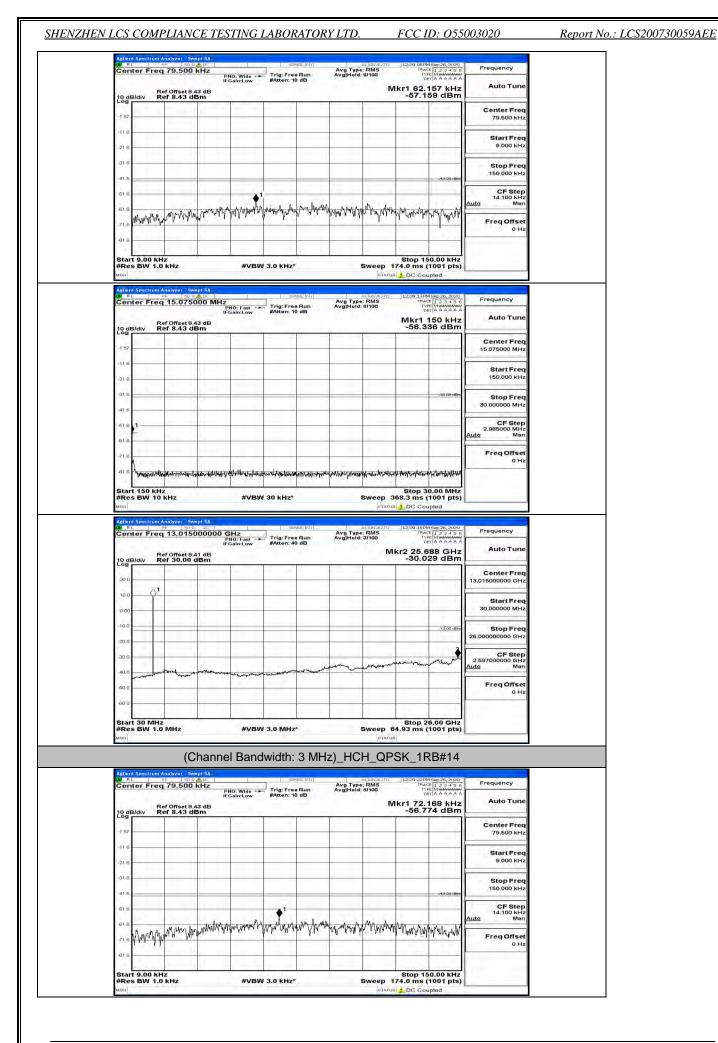


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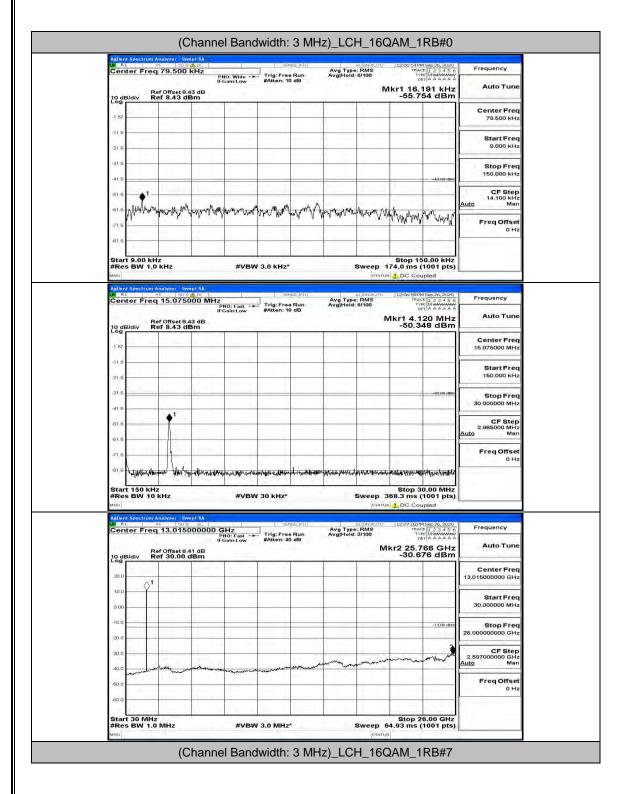
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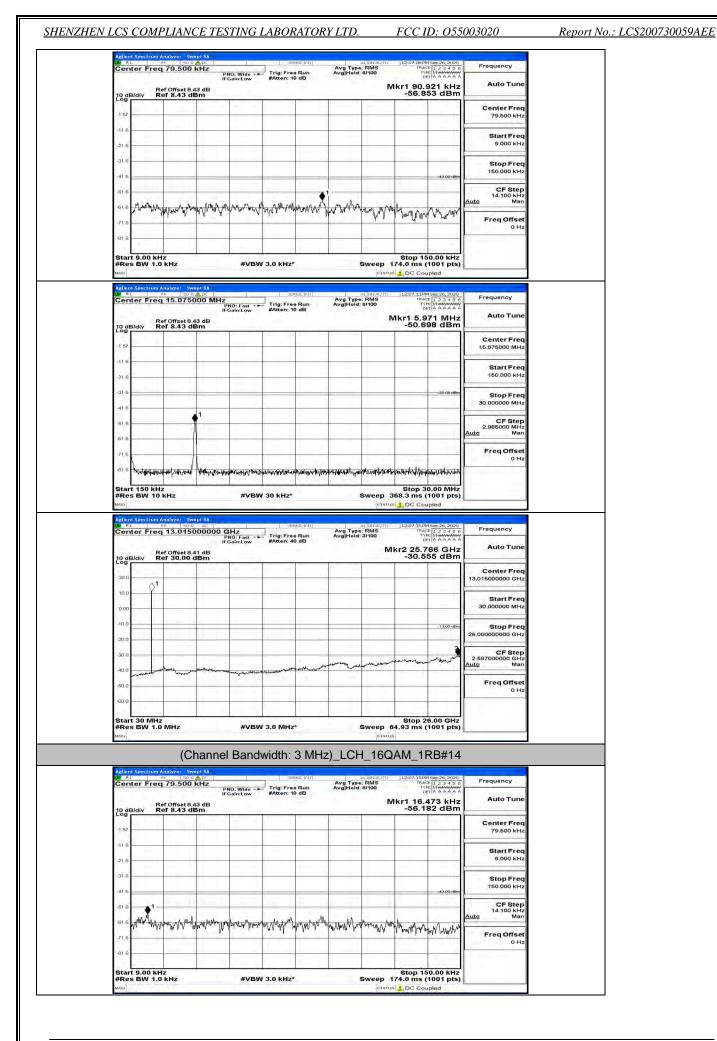


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Center Freq 15.07	SWEPT SA 19 ADDC 1 5000 MHz PNO: Fast	Service 1	Avg Type: R	NAUTO 12:09:27 PM AS TRAC 30 TVP	1 Sep 26, 2020 T 1 2 3 4 5 6 T Minimum T A A A A A A	Frequency	
Ref Offset i 10 dB/div Ref 8.43	IFGain:Low	#Atten: 10 dE		Mkr1 1	150 kHz 86 dBm		
-1 57						Center Freq 15.075000 MHz	
-11.6						Start Freq 150.000 kHz	
-31.6						Stop Freq 30.000000 MHz	
-416						CF Step 2.985000 MHz	
-61.6						Auto Man Freq Offset 0 Hz	
Start 150 kHz	#\/P	W 30 kHz*	Sw	Stop 3	0.00 MHz		
#Res BW 10 kHz	event SA So ar 5000000 GHz PN0: Fast IFGain:Low 8.41 dB	SW 30 kHz*	NT ALIG Avg Type: Rf in Avg[Hold: 3/1]	eep 368.3 ms (* status <u>1</u> DC Cou nauro <u>12:00:30PM</u> 45 TRAC 00 TPAC 06 Mkr2 25.6	1001 pts) apled 15ep 26, 2020 1 2 3 4 5 6 1 4 4 4 4 4 4 1 8 8 GHz	Frequency	
#Res BW 10 kHz	event SA So ar 5000000 GHz PN0: Fast IFGain:Low 8.41 dB	SENSE:	NT ALIG Avg Type: Rf in Avg[Hold: 3/1]	eep 368.3 ms (* status <u>1</u> DC Cou nauro <u>12:00:30PM</u> 45 TRAC 00 TPAC 06 Mkr2 25.6	1001 pts) ipled 150p26,2020 # 1 23 4 5 6 # MMMMMM TA A A A A		
#Res BW 10 kHz	event SA So ar 5000000 GHz PN0: Fast IFGain:Low 8.41 dB	SENSE:	NT ALIG Avg Type: Rf in Avg[Hold: 3/1]	eep 368.3 ms (* status <u>1</u> DC Cou nauro <u>12:00:30PM</u> 45 TRAC 00 TPAC 06 Mkr2 25.6	1001 pts) apled 15ep 26, 2020 1 2 3 4 5 6 1 4 4 4 4 4 4 1 8 8 GHz	Auto Tune Center Freq	
#Res BW 10 kHz	event SA So ar 5000000 GHz PN0: Fast IFGain:Low 8.41 dB	SENSE:	NT ALIG Avg Type: Rf in Avg[Hold: 3/1]	eep 368.3 ms (* status <u>1</u> DC Cou nauro <u>12:00:30PM</u> 45 TRAC 00 TPAC 06 Mkr2 25.6	1001 pts) apled 15ep 26, 2020 1 2 3 4 5 6 1 4 4 4 4 4 4 1 8 8 GHz	Auto Tune Center Freq 13.015000000 GHz Start Freq	
#Res BW 10 kHz	event SA So ar 5000000 GHz PN0: Fast IFGain:Low 8.41 dB	SENSE:	NT ALIG Avg Type: Rf in Avg[Hold: 3/1]	eep 368.3 ms (* status <u>1</u> DC Cou nauro <u>12:00:30PM</u> 45 TRAC 00 TPAC 06 Mkr2 25.6	1001 pts) ipled	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq	

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Frequency	2:07:24 PM Sep 26, 2020	ALIGNAUTO 12:07: Type: RMS	39105		15.075000 MH	Agilent Spectr
	TRACE 1 2 3 4 5 6 TYPE MINIMUM DET A A A A A A	fold: 8/100	Trig: Free F #Atten: 10	PNO: Fast	15.075000 MF	Center Fr
Hz Auto Tu	1 7.911 MHz -50.782 dBm	Mkr1	 #Atten: 10 i	FGain:Low	ef Offset 8.43 dB ef 8.43 dBm	10 dB/div
Center Fr 15.075000 M					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-1 57
Start Fr						-116
150.000 k						-21.6
Stop Fr 30.000000 M	~33:00 dBm				1	-31/6
						-41.6
2,985000 M			 		1	-61.6

Want Winner and and an all want with the second

#VBW 30 kHz*

#VBW 3.0 MHz*

personal transformed and the second state of t

Avg Type: RMS Avg|Hold: 3/100

Stop 30.00 MHz Sweep 368.3 ms (1001 pts)

Stop 26.00 GHz Sweep 64.93 ms (1001 pts)

RACE 1 2 3 4 5 0 TYPE MMMMMMM DET A A A A A

-13,00 df

Mkr2 25.818 GHz -30.165 dBm Frequency

Center Freq 13.015000000 GHz

> Start Free 30.000000 MHz

> > Stop Freq

CF Step 2.597000000 GHz uto Man

> Freq Offset 0 Hz

Auto Tune

N

Adlent Spectrom tury 2000 atc. U RL 9F 2000 atc. Center Freq 13.015000000 GHz Prio: Fast IFGalinLow #Atten: 40 dB

Ref Offset 8.41 dB Ref 30.00 dBm

Start 150 kHz #Res BW 10 kHz

10 dB/d

20 0

0.00

20.0

-30.0

-60

Start 30 MHz #Res BW 1.0 MHz

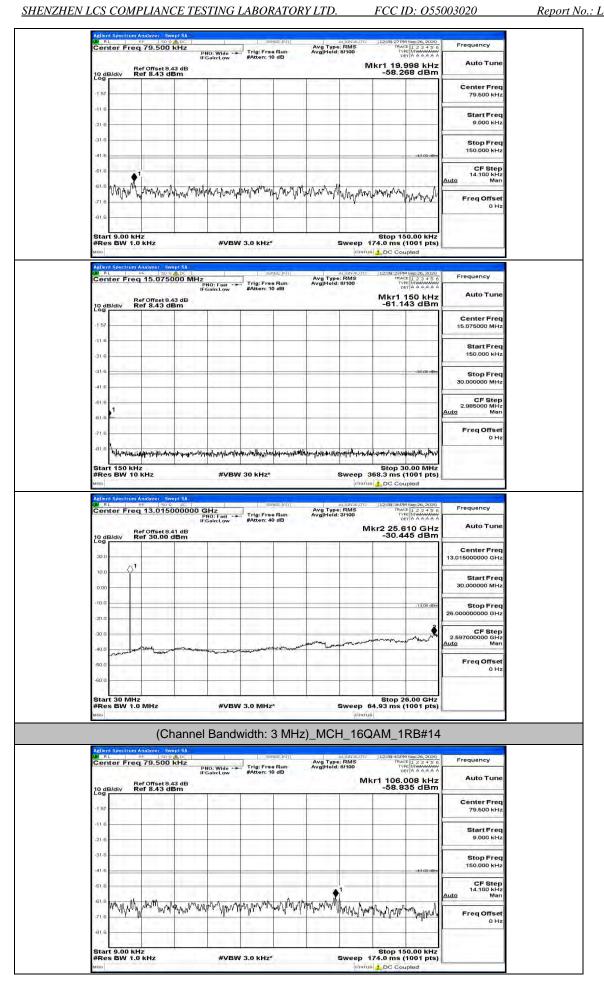
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Report No.: LCS200730059AEE

Report No.: LCS200730059AEE

Aglient Spectrum Analyzer Swept S RL PF 509 (A) Center Freq 79.500 kH	seru:	Run Avg Type Run Avg Hold:	I GNAUTO 12:08:15 RMS TRA 8/100 T	M Sep 26, 2020 CE 1 2 3 4 5 6 PE M M A A A A A	Frequency
Ref Offset 8.43 d 10 dB/div Ref 8.43 dBm	IFGain:Low #Atten: 10	d₿	Mkr1 11.		Auto Tune
-1 57					Center Freq 79.500 kHz
-(16					Start Freq 9.000 kHz
-21.6					Stop Freq
-41.6				-43.00 dBm	150.000 kHz
-61.6 1 61.6 0 0 - AML 14	Mal 2 may - a per d . Mar	ally in a will			CF Step 14.100 kHz Auto Man
-71,6	may period wind the second of	www.my.www.	Marthe Maringun	"himportal"	Freq Offset 0 Hz
-81.6 Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 kHz*		Stop 1 Sweep 174.0 ms	50.00 kHz	
MSO			STATUS LDC Co		
Aglient Spectrum Analyzer Swept S RL RF 1903 (A) D Center Freq 15.075000	C SENS	Run Avg Type Run Avg Hold:	EGNAUTO J12:09:201 RMS TRA 8/100 T	M Sep 26, 2020 CE 1 2 3 4 5 6 CPE MWWWWWW DET A A A A A A	Frequency
10 dB/div Ref 8.43 dBm			Mkr1	150 kHz 87 dBm	Auto Tune
-1 57					Center Freq 15.075000 MHz
-116					Start Freq 150.000 kHz
-31/6				-33:80-dBm	Stop Freq
-41.6					30.000000 MHz CF Step
-61.6			1	Le la	2.985000 MHz Auto Man
-71.6					Freq Offset 0 Hz
the second s	honore provide manager of the strange of the second	ermania have the thready all and the	and the second	April 101 Car	
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*		Sweep 368.3 ms		
Aglient Spectrum Analyzer Swept S	IC SENS	a: INT Avg Type	1208:24	M Sen 26 2020	Frequency
Center Freq 13.015000 Ref Offset 8.41 d 10 dB/div Ref 30.00 dBr	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvgiHold:	Mkr2 25.	662 GHz 79 dBm	Auto Tune
20.0					Center Freq 13.015000000 GHz
10.0					Start Freq
0.00					30.000000 MHz
-10.0				-1 3,00 dbin	Stop Freq 26.000000000 GHz
-30.0			man	- mart	CF Step 2.597000000 GHz Auto Man
-40.0 -50.0	hardbarry and and hard hard and a start				Freq Offset
I The second sec					0 Hz
-60.0					

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