# Appendix E: Test Data for E-UTRA Band 4

# **Product Name: Mobile Radio Trade Mark: ANYSECU** Test Model: W2plus

### **Environmental Conditions**

Temperature:	24.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

# E.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			
wouldtion	Channel	Size	Offset	QPSK	16QAM	verdict			
		1	0	22.96	22.16	PASS			
		1	3	22.72	22.15	PASS			
		1	5	22.85	22.12	PASS			
	LCH	3	0	22.79	21.97	PASS			
		3	2	22.75	21.91	PASS			
		3	3	22.74	21.91	PASS			
		6	0	21.88	21.00	PASS			
		1	0	22.23	21.73	PASS			
		1	3	22.22	21.72	PASS			
QPSK /		1	5	22.33	21.89	PASS			
16QAM	MCH	3	0	22.22	21.33	PASS			
IOQAIVI		3	2	22.18	21.37	PASS			
		3	3	22.25	21.44	PASS			
		6	0	21.41	20.40	PASS			
		1	0	22.50	21.87	PASS			
		1	3	22.15	21.63	PASS			
		1	5	22.13	21.53	PASS			
	НСН	3	0	22.31	21.49	PASS			
		3	2	22.12	21.32	PASS			
		3	3	22.06	21.29	PASS			
		6	0	21.38	20.69	PASS			

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 SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.
 FCC ID: 2AVLJGC388082

Report No.: LCS191202020AEG

	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	22.87	22.13	PASS		
		1	7	22.68	22.00	PASS		
		1	14	22.74	22.02	PASS		
	LCH	8	0	21.91	21.08	PASS		
		8	4	21.80	21.03	PASS		
		8	7	21.82	21.01	PASS		
		15	0	21.88	20.94	PASS		
		1	0	22.06	21.46	PASS		
		1	7	22.11	21.53	PASS		
		1	14	22.19	21.63	PASS		
QPSK / 16QAM	MCH	8	0	21.23	20.42	PASS		
TOQAM		8	4	21.29	20.49	PASS		
		8	7	21.35	20.56	PASS		
		15	0	21.33	20.44	PASS		
		1	0	23.00	22.35	PASS		
		1	7	22.47	21.97	PASS		
		1	14	22.13	21.65	PASS		
	НСН	8	0	21.94	21.06	PASS		
		8	4	21.65	20.78	PASS		
		8	7	21.47	20.63	PASS		
		15	0	21.70	20.85	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation Channel		RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict			
		Size	Offset	QPSK	16QAM				
		1	0	22.68	22.09	PASS			
		1	12	22.25	21.77	PASS			
		1	24	22.71	22.09	PASS			
	LCH	12	0	21.40	20.67	PASS			
		12	6	21.33	20.61	PASS			
		12	13	21.49	20.77	PASS			
		25	0	21.44	20.57	PASS			
	МСН	1	0	21.64	21.14	PASS			
		1	12	21.71	21.23	PASS			
		1	24	22.42	21.94	PASS			
QPSK /		12	0	20.64	19.89	PASS			
16QAM		12	6	20.83	20.04	PASS			
		12	13	21.16	20.34	PASS			
		25	0	20.85	20.00	PASS			
		1	0	23.00	22.05	PASS			
		1	12	22.33	21.46	PASS			
		1	24	22.08	21.16	PASS			
	НСН	12	0	21.73	20.89	PASS			
		12	6	21.46	20.64	PASS			
		12	13	21.23	20.41	PASS			
		25	0	21.50	20.66	PASS			

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)								
	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdiet		
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	22.16	21.47	PASS		
		1	24	22.33	21.75	PASS		
		1	49	21.76	21.07	PASS		
	LCH	25	0	21.34	20.45	PASS		
		25	12	21.37	20.51	PASS		
		25	25	21.25	20.51	PASS		
		50	0	21.32	20.43	PASS		
	МСН	1	0	20.82	20.25	PASS		
		1	24	21.69	21.11	PASS		
QPSK /		1	49	22.05	21.51	PASS		
16QAM		25	0	20.33	19.48	PASS		
IOQAIN		25	12	20.84	19.90	PASS		
		25	25	21.32	20.36	PASS		
		50	0	20.91	19.96	PASS		
		1	0	22.52	22.04	PASS		
		1	24	22.56	22.11	PASS		
		1	49	21.44	21.01	PASS		
	НСН	25	0	21.77	20.92	PASS		
		25	12	21.74	20.92	PASS		
		25	25	21.47	20.65	PASS		
		50	0	21.62	20.80	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
	<b>C</b> name	Size	Offset	QPSK	16QAM			
		1	0	22.36	21.66	PASS		
		1	37	22.18	21.58	PASS		
		1	74	20.98	20.40	PASS		
	LCH	37	0	21.37	20.47	PASS		
		37	18	21.22	20.43	PASS		
		37	38	20.79	19.95	PASS		
		75	0	21.07	20.24	PASS		
	МСН	1	0	21.09	20.52	PASS		
		1	37	21.63	21.07	PASS		
QPSK /		1	74	22.44	21.91	PASS		
16QAM		37	0	20.26	19.38	PASS		
TOQAIVI		37	18	20.77	19.83	PASS		
		37	38	21.41	20.47	PASS		
		75	0	20.95	19.99	PASS		
		1	0	22.77	22.15	PASS		
		1	37	22.57	21.99	PASS		
		1	74	21.63	21.08	PASS		
	НСН	37	0	21.83	20.97	PASS		
		37	18	21.76	20.92	PASS		
		37	38	21.54	20.73	PASS		
		75	0	21.64	20.81	PASS		

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
Wouldtion	Channer	Size	Offset	QPSK	16QAM	Veruici		
		1	0	22.51	21.70	PASS		
		1	49	21.98	21.28	PASS		
		1	99	20.76	19.94	PASS		
	LCH	50	0	21.30	20.38	PASS		
		50	25	20.90	20.00	PASS		
		50	50	20.23	19.37	PASS		
		100	0	20.80	19.93	PASS		
	МСН	1	0	21.40	20.58	PASS		
		1	49	21.74	21.03	PASS		
QPSK /		1	99	22.43	21.67	PASS		
16QAM		50	0	20.24	19.35	PASS		
IOQAIN		50	25	20.79	19.83	PASS		
		50	50	21.38	20.53	PASS		
		100	0	20.85	19.98	PASS		
		1	0	22.44	21.90	PASS		
		1	49	22.61	22.10	PASS		
		1	99	21.63	21.05	PASS		
	HCH	50	0	21.78	20.94	PASS		
		50	25	21.74	20.92	PASS		
		50	50	21.51	20.73	PASS		
		100	0	21.64	20.79	PASS		

### E.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	5.03	<13	PASS				
QPSK	MCH	5.02	<13	PASS				
	НСН	5.09	<13	PASS				
	LCH	5.82	<13	PASS				
16QAM	MCH	5.82	<13	PASS				
	НСН	8.45	<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	5.25	<13	PASS				
QPSK	MCH	5.27	<13	PASS				
	НСН	5.31	<13	PASS				
	LCH	6.16	<13	PASS				
16QAM	MCH	6	<13	PASS				
	НСН	5.91	<13	PASS				

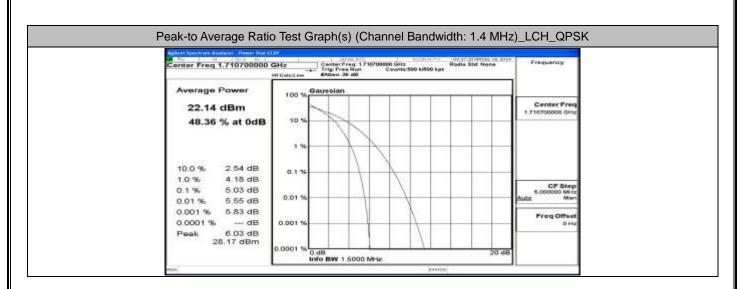
	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
MODULATION	Ghannei	[dB]	[dB]	Verdict				
	LCH	5.44	<13	PASS				
QPSK	MCH	5.36	<13	PASS				
	HCH	5.28	<13	PASS				
	LCH	6.18	<13	PASS				
16QAM	MCH	6.1	<13	PASS				
	HCH	6	<13	PASS				

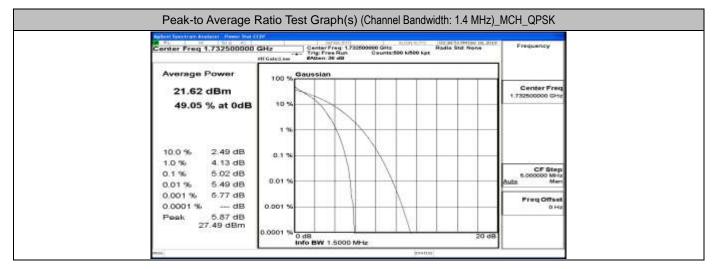
	Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)								
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict					
Modulation	Channel	[dB]	[dB]	Verdict					
	LCH	5.46	<13	PASS					
QPSK	MCH	5.41	<13	PASS					
	НСН	5.3	<13	PASS					
	LCH	6.11	<13	PASS					
16QAM	MCH	6.08	<13	PASS					
	НСН	5.97	<13	PASS					

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	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
wouldtion	Channel	[dB]	[dB]	Verdict				
	LCH	4.97	<13	PASS				
QPSK	MCH	5.07	<13	PASS				
	НСН	5.02	<13	PASS				
	LCH	6.21	<13	PASS				
16QAM	MCH	6.25	<13	PASS				
	НСН	6.16	<13	PASS				

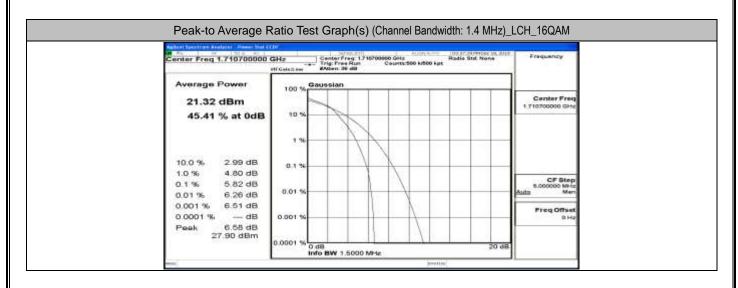
	Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)									
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict						
Wouldton	Charmer	[dB]	[dB]	Vertuict						
	LCH	5.75	<13	PASS						
QPSK	MCH	5.76	<13	PASS						
	НСН	5.79	<13	PASS						
	LCH	6.75	<13	PASS						
16QAM	MCH	6.8	<13	PASS						
	НСН	6.67	<13	PASS						

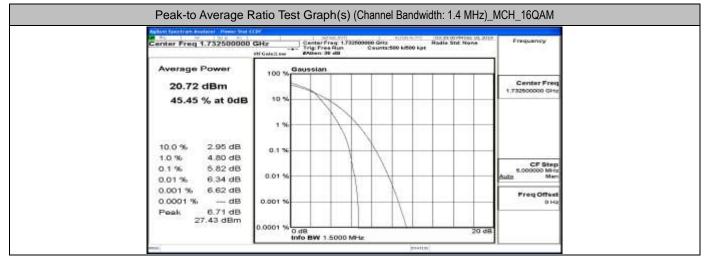




Authorst Spectrum Anatyzer - Planar Brid i	and the second se		ACCESSION OF	0.0240	40000	102/40/12/1441985 02		
Center Freq 1.754300000	GHz	- Trig: Pr	Freq: 1.754	Counts	500 k/500 kpt	Radia Stat None	1	Frequency
	HT Galazi Aw						-	
Average Power	100 %	Gaussia	0	_			-	
21.66 dBm	1010202	~					- 1	Center Freq 1.754300000 GHz
48.22 % at 0dB	10 %	N		_			_	1,10100000010112
19.00 CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRA	10000		N					
	1 %		1				_	
274-004-020 NO-004-01-01								
10.0 % 2.54 dB	0.1 %		11	1			_	
1.0 % 4.21 dB				1				CF Step
0.1 % 5.09 dB	0.01 %						_	5,000000 MHz Auto Mari
0.01 % 5.50 dB 0.001 % 5.75 dB			1 1		¥		- 1	
0.0001 % dB	0.001 %		1 1		1			Freq Offset
Peak 5.96 dB								
27.62 dBm	0.0001 10							
	0.0001 %	0.d8 Info BW	1 5000 M	-le		20	0 dB	

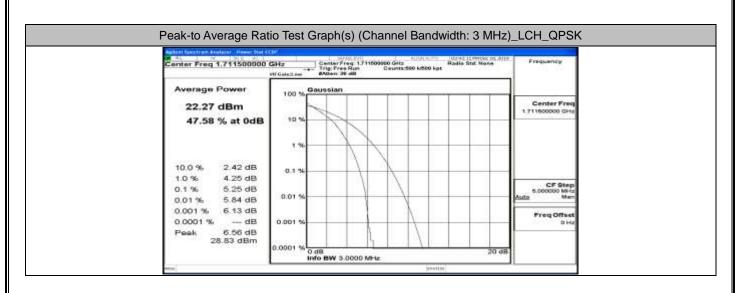
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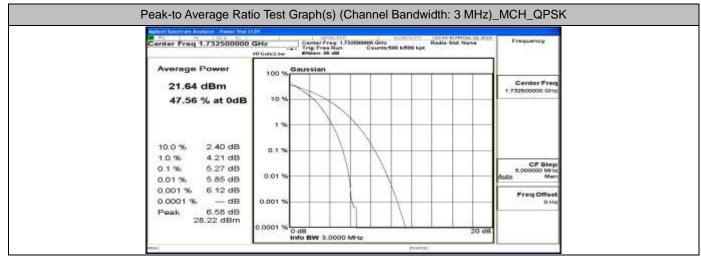




Frequency
Center Freq 1.754300000 GHz
CF Step 5,000000 MHz
Auto Mers
FreqOffset
0 Hz

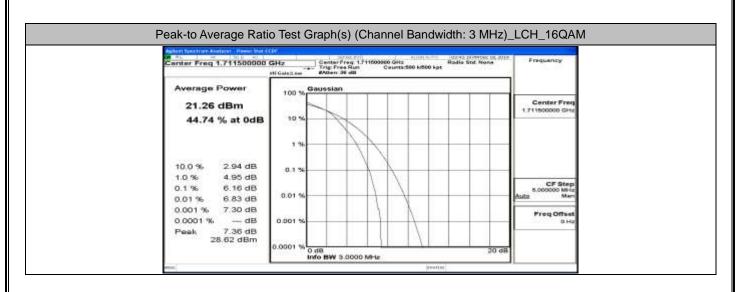
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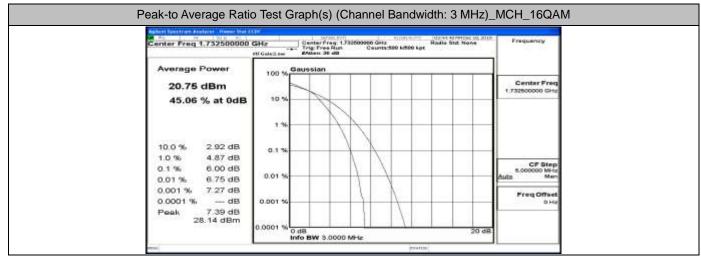




Center Freg 1,753500000		1 SATABLE	Wanness	Z SLUT ALL	1024	Stat None	Frequency
Center Fred 1.753500000	Hi Galattan	Center Freq Trig: Free Ru #Alten 30 all	n (	Ourts:500 F	BOO Kpt	and more	0.0
Average Power	100 10 9	aussian		2.0			
22.12 dBm	•						Center Freq 1,753500000 GHg
47.52 % at 0dB		N					
	1 %						
10.0 % 2.43 dB 1.0 % 4.19 dB	0.1 %		1				
0.1 % 5.31 dB 0.01 % 5.93 dB	0.01 %	_	1	V			CF Step 5,000000 Mirz Auto Marc
0.001 % 6.37 dB 0.0001 % dB	0.001 %						Freq Offset 0 Ha
Peak 6.43 dB 28.55 dBm	0.0001 % 0	_					
	2000	d8 fo BW 3.00	DO MHE			20 dB	

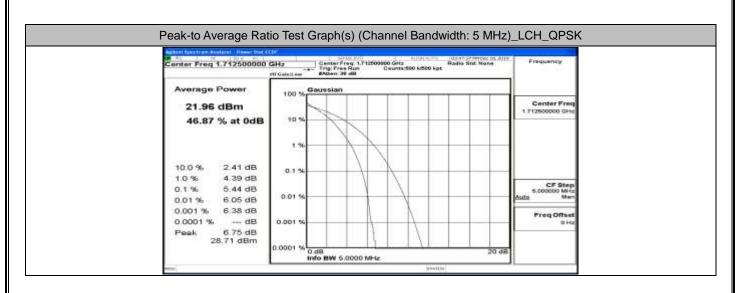
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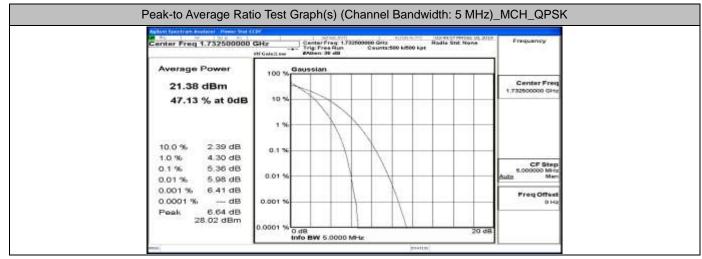




Center Freq 1.753500000 GHz         Center freq 1.753500000 GHz         Center freq 1.753500000 GHz         Frequence           Average Power         100 %         Gaussian         Center 1.753500000 GHz         Center 1.75350000 GHz         Center 1.753500 GHz         Center 1.753
Average Power         Center           21.24 dBm         10 %           44.82 % at 0dB         10 %           1%         1 %
21.24 dBm 44.82 % at 0dB
1%
1.0 % 4.81 dB 0.1 % 5.91 dB 0.01 % 6.57 dB 0.01 %
0.001 % 7.00 dB 0.0001 % dB 0.001 % dB 0.001 % dB

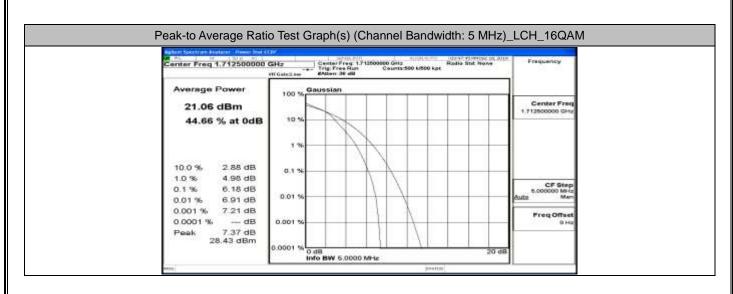
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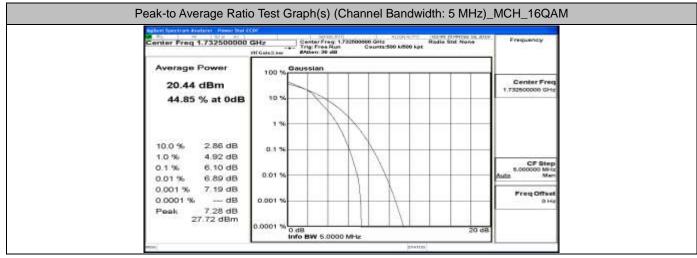


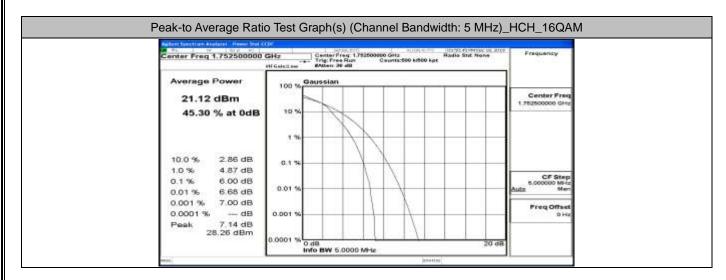


Authorst Spectrum Asistration Remot Stat		O SPIMILEC SIL MADE	
Center Freq 1.75250000	1 GH2 Center Freq 1 75250000 GH2 Radio Trig Free Run Counts:500 ki500 kpt H Guist an Woom 30 dB	a Stat None	Frequency
Average Power	Gaugelan		1
22.00 dBm	100 % Gadestan		Center Freq 1.752500000 GHz
47.30 % at 0dB			
2744044303 374444483320	1.4		
10.0 % 2.39 dB 1.0 % 4.25 dB	0.1%		
0.1 % 5.28 dB 0.01 % 5.88 dB	0.01 %		CF Step 5,000000 MHz čultz Men
0.001 % 6.22 dB 0.0001 % dB	0.001 %		Freq Offset 0 Hz
Peak 6.51 dB 28.51 dBm	0.0001 % 0 d8	20 dB	

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Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK

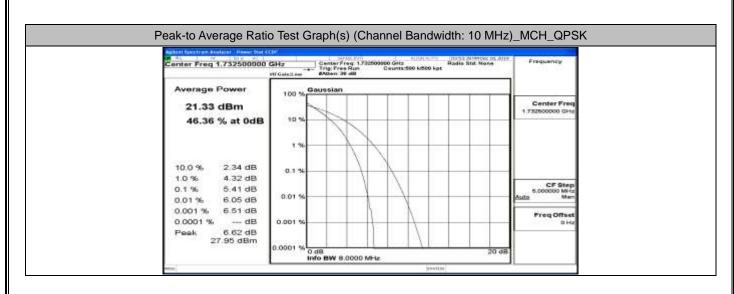
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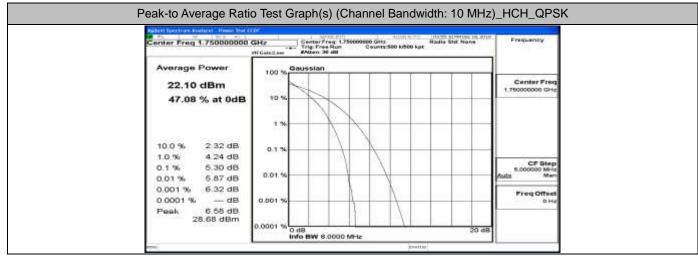
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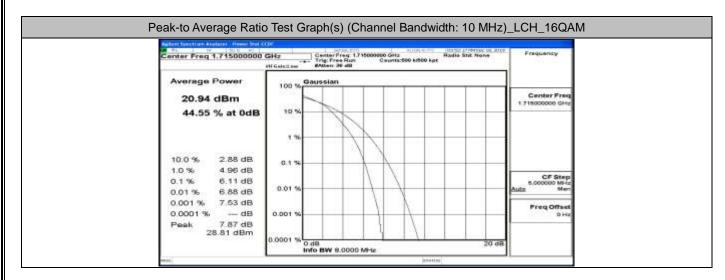
Report No.: LCS191202020AEG

Average Power	100 % Gaussian	1 1
21.84 dBm	100 %	Center Freq 1.71800000 GHz
46.49 % at 0dB	1%	
10.0 % 2.34 dB 1.0 % 4.35 dB	0.1%	
0.1 % 5.46 dB 0.01 % 6.02 dB	0.01 %	CF Step 5,00000 MHz Bultz Man
0.0001 % dB	0.001 %	Preq Offset D Ha
0.001 % 6.55 dB 0.0001 % dB Peak 7.03 dB	0.0001 % 0.dB 20 dB	0 Ha

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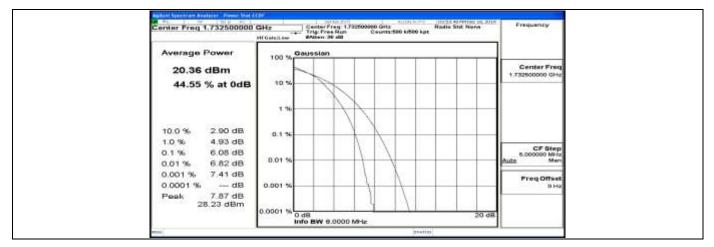


Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)\_MCH\_16QAM

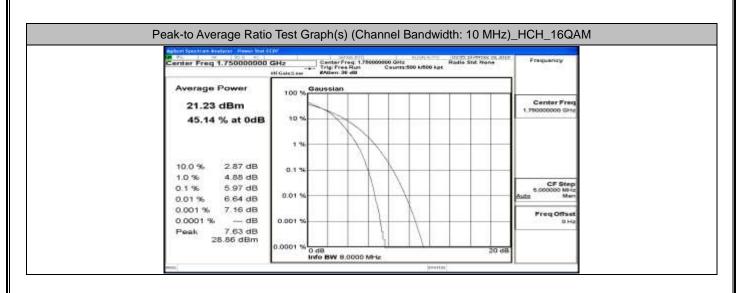
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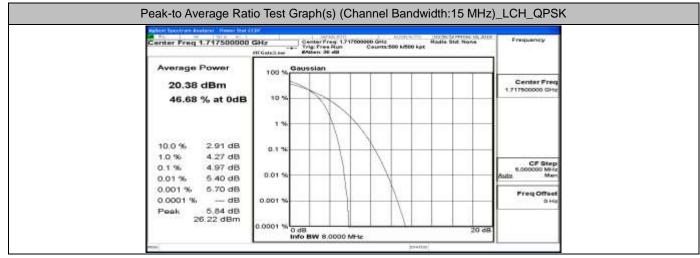
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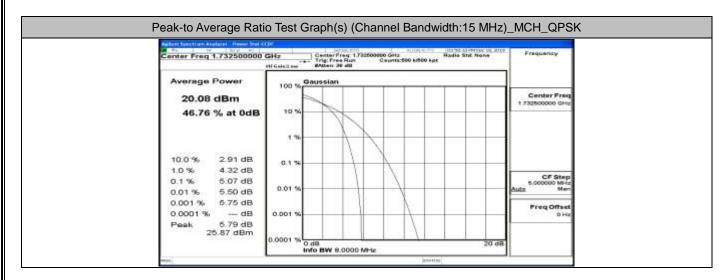
Report No.: LCS191202020AEG



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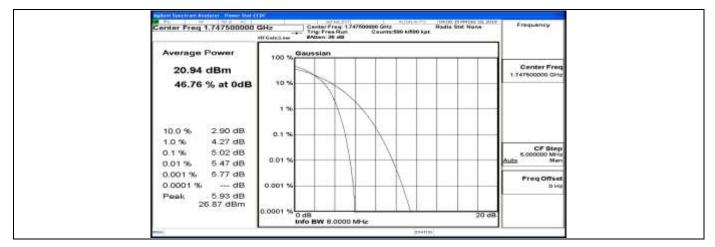




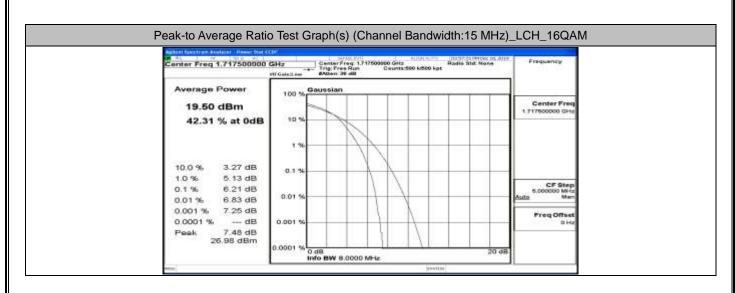


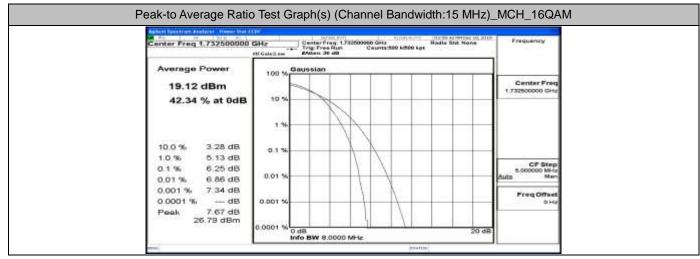
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)\_HCH\_QPSK

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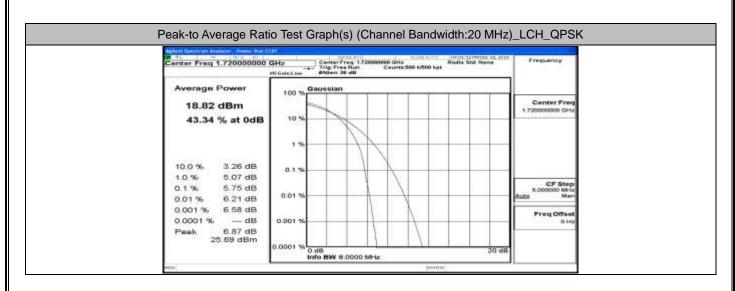
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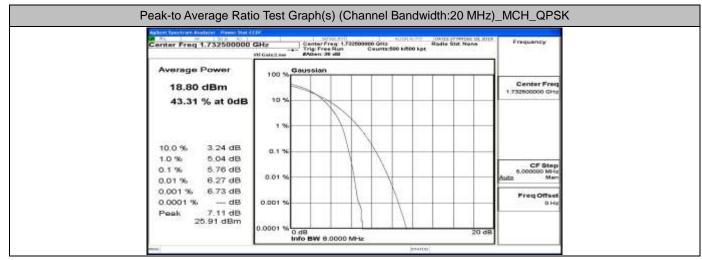




Center Freg 1.74750000	Center Fr.	g: 1.747500000 GHz	Hadia	Stat. None	Frequency
	Hi Galattan Mitan 20	Run Couvra:50 alli	0 k/500 kpt	1112213/01/1	10.00
Average Power	100 % Gaussian				
20.04 dBm					Center Freq 1.747500000 GHz
42.39 % at 0dB	10 2 7				
	1 %	M			
10.0 % 3.27 dB	0.1 %				
1.0 % 5.10 dB 0.1 % 6.16 dB 0.01 % 6.84 dB	0.01 %				CF Step 5,00000 MHz Auto Men
0.001 % 7.14 dB 0.0001 % dB	0.001 %				Freq Offset D Ha
Peak 7.36 dB 27.40 dBm	0.0001 % 0 d8			20 68	

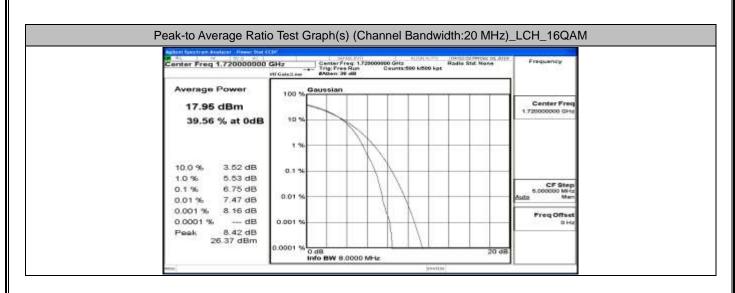
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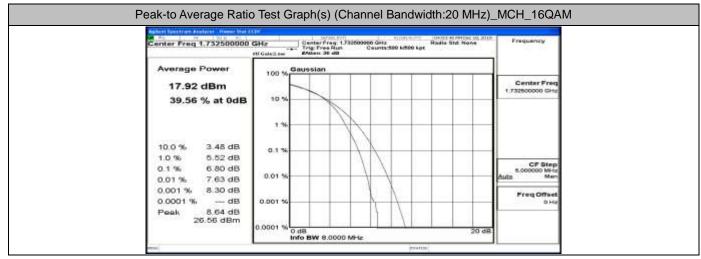




Center Freq 1.74500000	Trig: Free Run	745000000 GHz Ha	die Stat None	Frequency
Average Power	100 % Gaussian			
19.71 dBm 43.14 % at 0dB				Center Freq 1.748000000 GHz
10.0 % 3.26 dB 1.0 % 5.11 dB 0.1 % 5.79 dB 0.01 % 6.26 dB 0.001 % dB Peak 6.79 dB 25.50 dBm	1 % 0.1 % 0.01 % 0.001 % 0.0001 % 0.48		20 48	CF Step 5.00000 Micr Men Freq Offset 0 Ha

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Center Freq 1.745000000 GHz         Center Freq 1.745000000 GHz         Frequency           Average Power         10.0 %         3.51 dB         10.3 %         0.1 %         0.1 %         0.1 %         0.1 %         0.1 %         0.1 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.01 %         0.0001 %         0.000 %         0.00	M PL		MARLEY IL	ALIGN ALIGN AND		Frequency
Average Power         100 % Gaussian         Center Freq 1 1748000000 GHz           39.44 % at 0dB         10 %         10 %         10 %           10.0 %         3.51 dB         10 %         10 %           10.0 %         3.51 dB         0.1 %         0.1 %           0.1 %         6.67 dB         0.01 %         0.01 %           0.001 %         7.97 dB         0.01 %         Freq Offset	Center Freq 1.74500000	Trig. F	ree Rum 0	0 GH2 sums:580 k/880	Hadia Stat None kpt	Frequency
18.84 dBm         10 %         Center Freq           39.44 % at 0dB         10 %         10 %           10 %         351 dB         11 %           10 %         5.53 dB         0.1 %           0.1 %         6.67 dB         0.01 %           0.01 %         7.44 dB         0.01 %           0.001 %         7.97 dB         Freq Offset	Average Power	-				ור
10.0 %         3.51 dB         1.1 %           10.0 %         5.53 dB         0.1 %           0.1 %         6.67 dB         0.01 %           0.01 %         7.97 dB         0.01 %	2 - PC-10 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	100 % Gaussia				
10.0 %         3.51 dB         0.1 %           1.0 %         5.53 dB         0.1 %           0.1 %         6.67 dB         0.01 %           0.01 %         7.97 dB         0.01 %	39.44 % at 0dB	1 %6				
0.1 % 6.67 dB 0.01 % 7.44 dB 0.001 % 7.97 dB 0.01 % 7.97 dB	10.0 % 3.51 dB					_
FreqOffset	0.1 % 6.67 dB 0.01 % 7.44 dB	0.01 %	+			5,000000 MHz
Peak 8.51 dB	0.0001 % dB	0.001 %			_	

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## E.3 26dB Bandwidth and Occupied Bandwidth

	EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)									
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict						
	LCH	1.0782	1.215	PASS						
QPSK	MCH	1.0774	1.207	PASS						
	НСН	1.0773	1.225	PASS						
	LCH	1.0820	1.232	PASS						
16QAM	MCH	1.0777	1.229	PASS						
	НСН	1.0788	1.214	PASS						

	EBW & OBW Test Result (Channel Bandwidth: 3 MHz)									
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict						
wouldtion	Channel	(MHz)	(MHz)	Verdict						
	LCH	2.6880	2.871	PASS						
QPSK	MCH	2.6787	2.869	PASS						
	НСН	2.6830	2.893	PASS						
	LCH	2.6804	2.876	PASS						
16QAM	MCH	2.6871	2.876	PASS						
	HCH	2.6880	2.882	PASS						

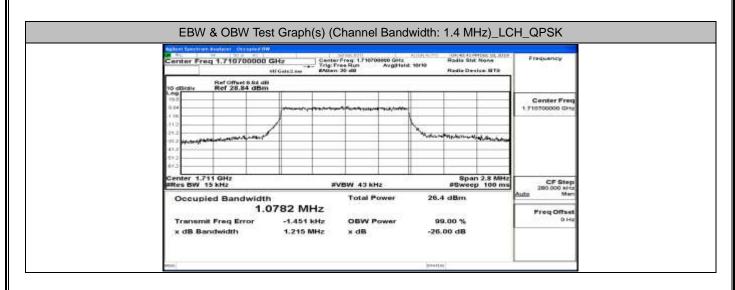
	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldton	Channel	(MHz)	(MHz)	Verdict
	LCH	4.4781	4.808	PASS
QPSK	MCH	4.4846	4.826	PASS
	НСН	4.4808	4.825	PASS
	LCH	4.4811	4.826	PASS
16QAM	MCH	4.4670	4.850	PASS
	HCH	4.4855	4.879	PASS

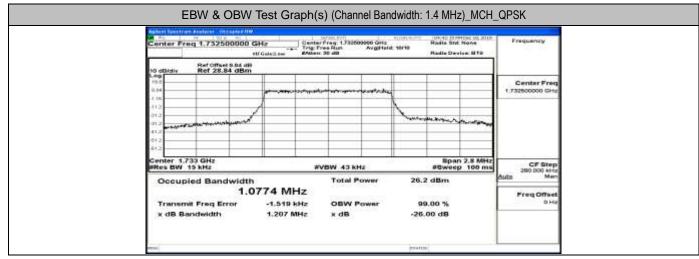
	EBW & OBW Te	est Result (Channel Band	dwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wodulation	Channel	(MHz)	(MHz)	Verdict
	LCH	8.9329	9.503	PASS
QPSK	MCH	8.9227	9.455	PASS
	HCH	8.9365	9.455	PASS
	LCH	8.9342	9.505	PASS
16QAM	MCH	8.9351	9.478	PASS
	НСН	8.9419	9.379	PASS

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	EBW & OBW T	est Result (Channel Band	width: 15 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	13.403	14.01	PASS
QPSK	MCH	13.402	14.09	PASS
-	HCH	13.404	14.06	PASS
	LCH	13.400	14.03	PASS
16QAM	MCH	13.402	14.04	PASS
	HCH	13.399	14.06	PASS

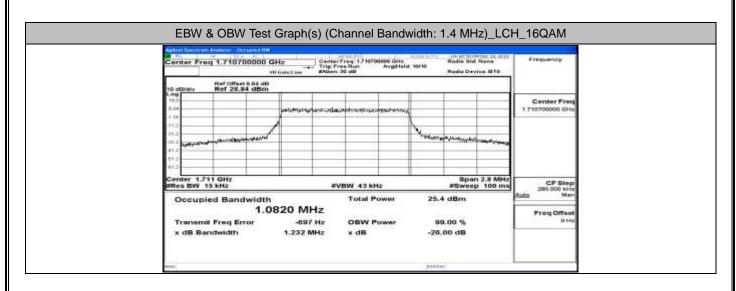
	EBW & OBW Te	est Result (Channel Band	lwidth: 20 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
MODUIATION	Channel	(MHz)	(MHz)	Verdici
	LCH	17.861	18.58	PASS
QPSK	MCH	17.867	18.60	PASS
	НСН	17.846	18.64	PASS
	LCH	17.892	18.59	PASS
16QAM	MCH	17.874	18.59	PASS
	НСН	17.838	18.55	PASS

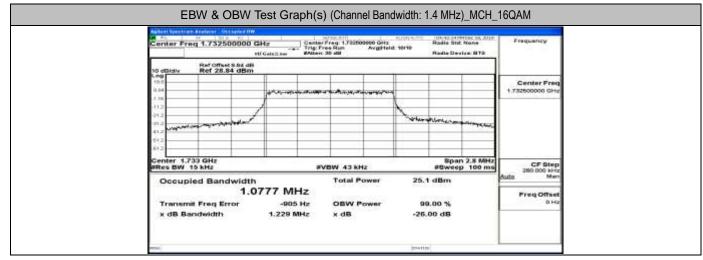




Center Freq 1.754300000 GHz CenterFreq 1.75400000 GHz Radie Stat Nore									
	etf Galattan	rig: Free Run Alten: 30 dB	Avgittel	1. 10/10	Radio Dev	ise UTD	20.22		
10 dB/div Ref 28.84 dBm									
10.0 0.04	,	wither they				_	Center Freq 1.754300000 GHz		
-0.2	A								
21.2 21.2 11.2	¢			- and	maranda	14.14.t.d.,			
612									
Center 1.754 GHz Altes BW 15 kHz	10 - C	AVBW 4	3 KHz		Span #Sweep	2.8 MHz 100 ms	CF Step 200.000 kHz		
Occupied Bandwidth	n		al Power		5 dBm	1	Auto Men		
1.0 Transmit Freg Error	-2.017 kHz	20 x x x x	W Power		a.oo %		Freq Offset		
x dB Bandwidth	1.225 MH		2010 - 10 C 10 C		00 dB				

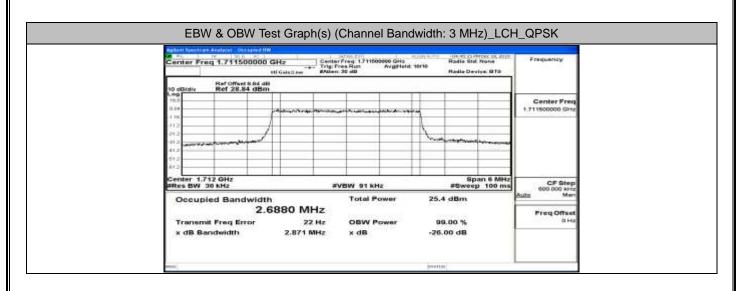
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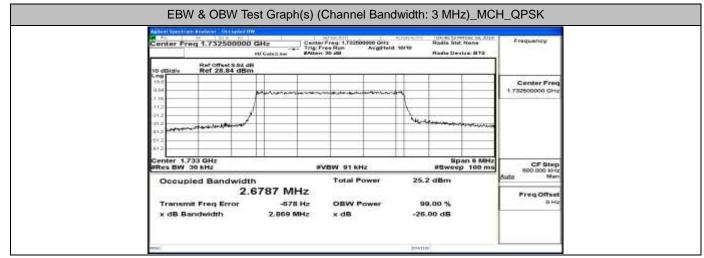




Center Freq 1.754300000 GHz Center Freq 1.754300000 GHz Hale Stit Nove Trig Free Run Avg9teid tere Hildestite Mone 32 dB Rade Device ITS									
Ref Offset 8.84 dB	f Galatit der MAD	vn: 30 elli		Radio Devise. 878	1				
10 dB/div Ref 28.84 dBm Log 10.0					Center Fre				
0.04	restormation	and the second	1		1.754300000 GHs				
112	4		Ann						
112 112				an marity and a star way of					
612			-						
Center 1.754 GHz Altes BW 15 kHz	W	WBW 43 kHz	-	Span 2.8 MHz #Sweep 100 ms	CF Step 200,000 kHz				
Occupied Bandwidth		Total Power		5 dBm	Butta Men				
이 동생은 다 이번 전 것이 가지 않는 것 같아.	788 MHz	22022		22202	Freq Offset				
Transmit Freq Error x d8 Bandwidth	909 Hz 1,214 MHz	OBW Power x dB		9.00 % .00 dB					

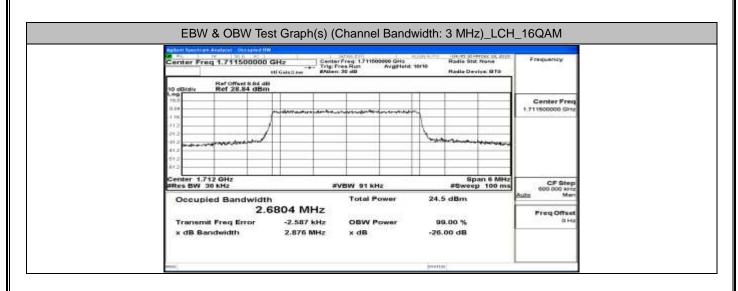
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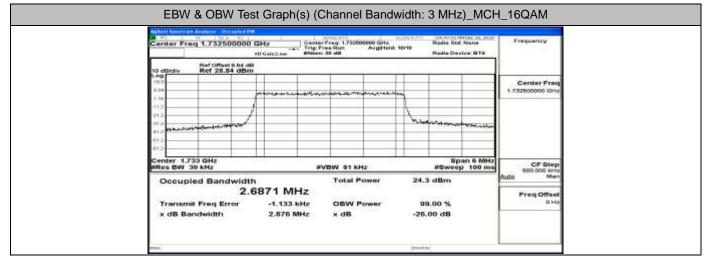




Center Freq 1.753500000	GHz	Center F	reg: 1.75360	Avgitteld, 1			t None	Frequency
Ref Offset 8.84 dB	etf Galazit.ner	Millen 3	io alli	_		Radio Dev	rise MTD	
10 dB/div Ref 28.84 dBm			-					200720040
0.04	manua		mum		4		-	Center Fred 1.753500000 GH
-0.2	4				1			
112 112					hus	·····		
612								
Center 1.754 GHz WRes BW 30 kHz	0.00	av	5W 91 KH	12	-	Sp #Sweep	an 6 MHz p 100 ms	CF Step 600.000 kHz
Occupied Bandwidth			Total P	ower	25.0	ð dBm		Auto Mer
2.6 Transmit Freg Error	-5.451		OBW Power			99.00 %		Freq Offset
x dB Bandwidth	2.893 M		x dB			8b 00		

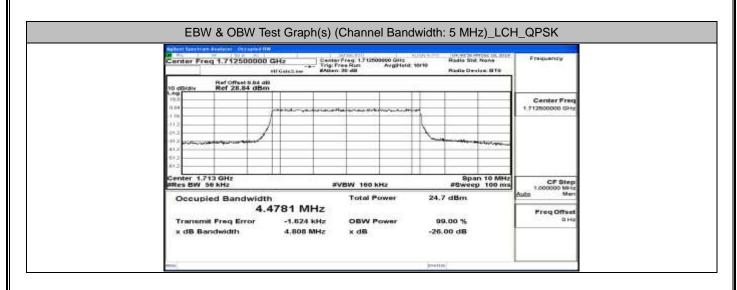
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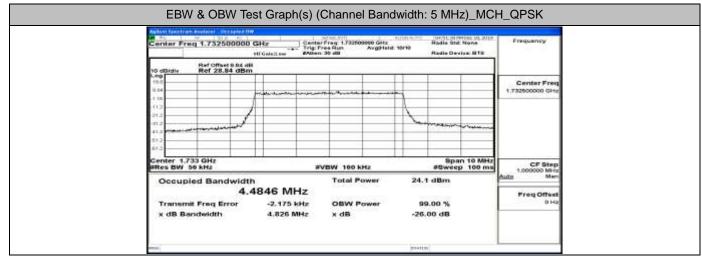




Center Freq 1.753500000	GH2	CenterF	reg 1,75360	Availat t		Hadie Stat	Prose de ante: None	Frequency
	etf Galatit.tee	#Atten 3	0 40	Sugaran. 1		Radie Dev	ise UTD	
10 dB/div Ref 28.84 dBm								
10.0						-		Center Free
0.04	manne	-						1.753500000 GHz
102	1				<u> </u>			
212			-		his		and and the second	
113 martine - 10 mm - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4							and a started	
612			-	-	-			
Center 1.754 GHz							an 6 MHz	
ARes BW 30 KHz	1919 - S.	ave	5W 91 KH	12			p 100 ms	CF Step 600,000 kHz
Occupied Bandwidth	¥.		Total P	ower	24.6	dBm	1	Auto Men
2.6	5880 MH	Ηz						FreqOffset
Transmit Freq Error	-3.4791	cHar	OBW P	ower		.00 %		0 Ha
x d8 Bandwidth	2,882 N	IHz	x dB		-26.	8b 00		

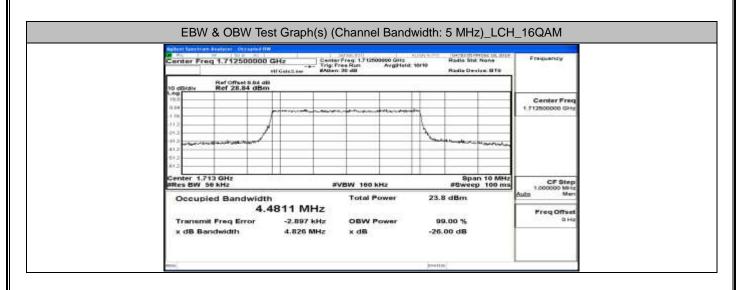
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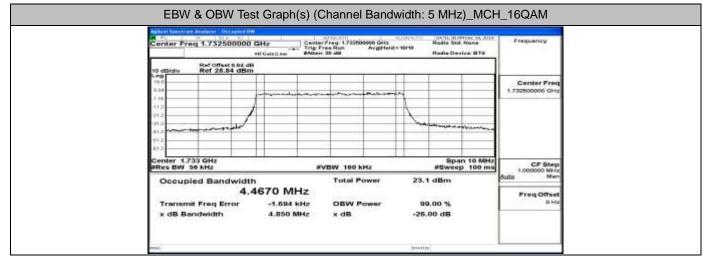




Center Freg 1.752500000	1 /11/-	1 Center	Freg 1.75250	0000 GH11	1011-011-01	Radio Stat	None	Frequency
	HI Galattan	Trig: Fr Millen	es Run 30 alli	Avgiteid: 1	0/10	Radio Dev	ise UTD	14 14
Ref Officet 8.84 d Ref 28.84 dBr								
					1			Center Free
0.04		-	-		-		-	1.752500000 GHt
115	1				t) –			
212	4		-		1		-	
112					*		anne gar	
61.2			-		-		_	
612								
Center 1.753 GHz Wites BW 56 kHz	-1014	av	BW 160 K	Hz			n 10 MHz 2 100 ms	CF Step
Occupied Bandwidt	th		Total P	ower	24.8 dBm		dBm	Auto Men
4.	4808 M	Hz						FreqOffset
Transmit Freq Error	-6.399	kHar	OBW P	ower		.00 %		0 Ha
x dB Bandwidth	4,825 8	AHz	x dB		-26.	8b 00		

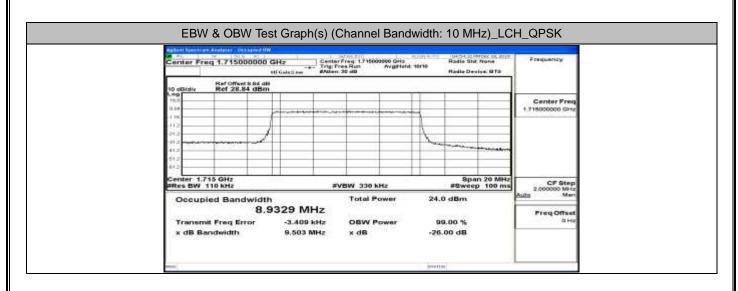
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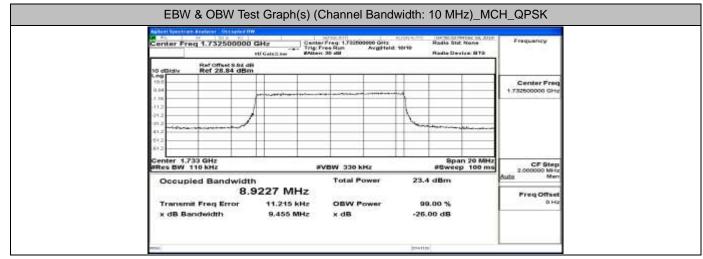




Center Freg 1.75250000	ID GH	,	CenterFr	reg 1.76250	0000 GHz		Hadie Stat	None	Frequency
Contraction of the second	1.1.1.1.1.1.1.1	dalt.ter	Trig: Fre-	s Run Dalla	Avgitteld: 1	0110	Radie Dev	ise BTD	56 58
Ref Offset 8.84						-			
No dB/div Ref 28.84 dB	sen					-			121012-01210
0.04		diama a	Contraction (C.			_	_		Center Freq 1.752500000 GHz
1.18	11					t –			- GARLUUS VIN LA
212	/					1	-		
and an an an an an an and					- +	200		· ·····	
61.2									
612						-			
Center 1.753 GHz #Res BW 56 kHz	01010		ave	W 160 K	HZ			n 10 MHz 0 100 ms	CF Step
Occupied Bandwid	ith			Total P	ower	23.5	dBm	doutz Marr	
		55 MH	z						FreqOffset
Transmit Freq Error		-5.434 ki	Har	OBW P	ower		.00 %		0 Ha
x dB Bandwidth		4,879 M	Hz	x dB		-26.	8b 00		

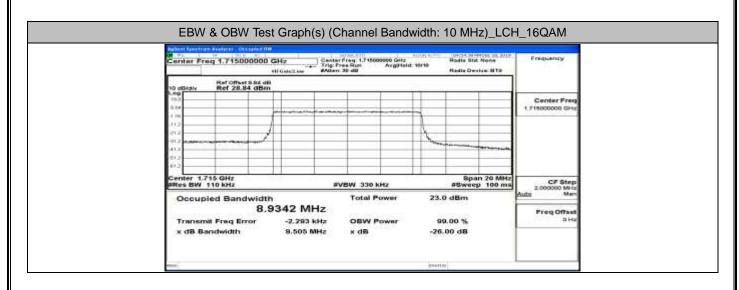
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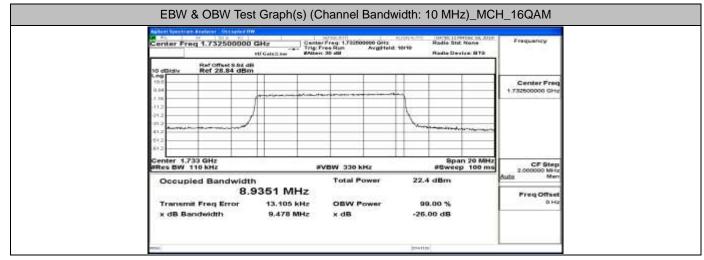




Center Freg 1,75000000	n GHz	Center	Freg 1,75000	0000 GH12		Hadie Std	None	Frequency
section from the second	etf Galatit and	Trig: Fr	es Run 30 alti	Avgitteld. 1	10/10	Radie Dev	ion MTD	- 16 K
10 dB/div Ref Offset 8.84	48							
10.0								Center Free
0.04					-		-	1.75000000 GH
112					1			
-21.2	A	-	-		R		-	
41.2					~		mannen	
612		-	-		-			
Center 1.75 GHz		1					n 20 MHz	
Wites BW 110 kHz		av	BW 330 K	Hz		sewee	p 100 ms	CF Step 2.000000 MHz
Occupied Bandwid	th		Total Pe	ower	24.5	2 dBm		ðuta Men
8	.9365 M	Hz						FreqOffset
Transmit Freq Error	-6.819	kHa	OBW P	ower		9.00 %		0 Ha
x d8 Bandwidth	9,455 1	NHz	x dB		-26.	00 dB		

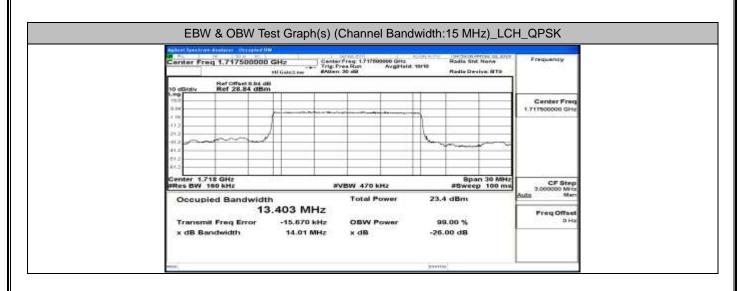
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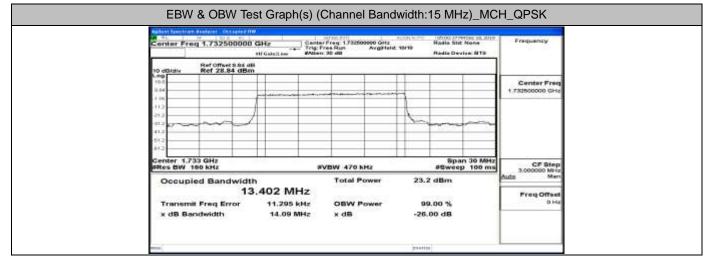




Center Freq 1.750000000 GHz Center Freq 175000000 GHz Hadis Std None Trig Free Run Avgiteid forth										
	Hi Galattan MADen	1 30 dB		Radie Devi	sa 879					
10 dB/div Ref 28.84 dBm			_		-					
10.0						Center Freq				
1.16		a	4			1.75000000 GH				
112			Ht –		_					
212			1000	na na na						
41.2				_						
612					-					
Center 1.75 GHz Aftes BW 110 kHz	an 10 ar	VBW 330 KHz				CF Step 2.000000 MHz				
Occupied Bandwidth	Îê.	Total Power	23.4	dBm	1	Auto Men				
8.9	419 MHz					FreqOffset				
Transmit Freg Error	-8.458 kHz	OBW Power			0 Hz					
Res BW 110 kHz Occupied Bandwidth 8.9	419 MHz	Total Power	8pan 20 #8weep 10 23.4 dBm			ns 2.00000 M Auto M				

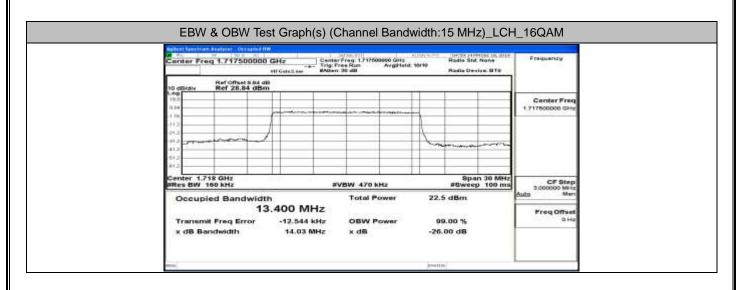
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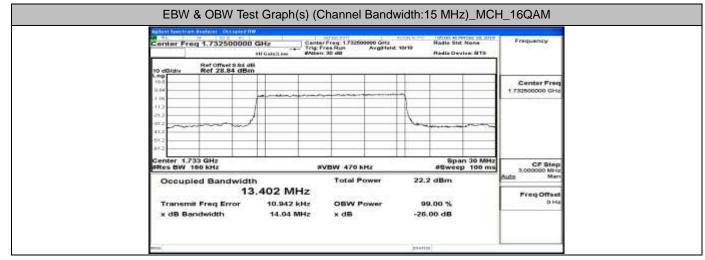




Center Freg 1.747500000 GHz Center Freg 1.74760000 GHz Radio Stat None							Frequency	
	Trig: Free Run AvgReid: 1010 Hi Gelation 40 40 Adden 30 40 Radio Device 810							
Ref Offset 8.84 d								
10 dB/div Ref 28.84 dB/								
10.0							Center Freq 1.747500000 GHz	
1.18	( martine							
0.2	1 1			+ 1 -				
n n n n n n n n n n n n n n n n n n n				1 horas				
41.2				1 2				
612						-		
612								
Center 1.748 GHz Span 30 MHz Span 30 MHz #VBW 470 kHz #Sweep 100 ms						n 30 MHz p 100 ms	CF Step 3.000000 MH	
Occupied Bandwidth			Total Power 24.				doute Marri	
	3.404 MH	łz					FreqOffset	
Transmit Freg Error -20.050 kHz		Hz Of	OBW Power		99.00 %		0 Ha	
x d8 Bandwidth	14.06 M	Hz x c	18	-26.	00 dB			

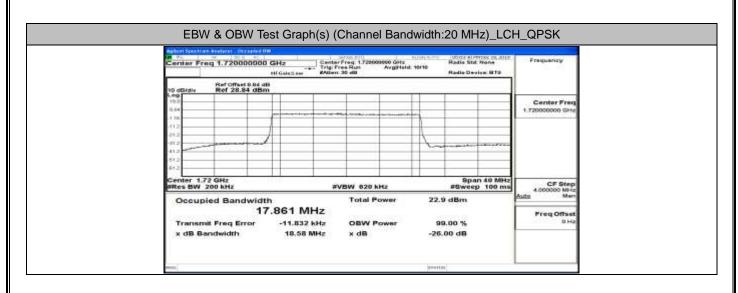
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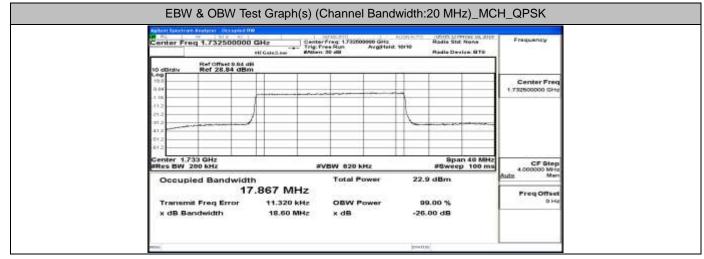




Center Freg 1.747500000 GHz CenterFreg 1.74750000 GHz Radio Stat None							Frequency	
Trig: Pres Run Avgitald: 1010 Hi Galattian Adden: 30 dB Radio Device BTD							56.32	
Ref Offset 8.5								
Lep to a	Irdiv Ref 28.84 dBm							
0.04							Center Freq 1.747500000 GHz	
1.18			and the second se	1 -				
212				N.				
-112	2			here	murme	-		
41.2			+ +	1.000				
612						-		
Center 1.748 GHz ARes BW 160 kHz							CF Step 3.000000 MHz	
Occupied Bandwi	Total P	Total Power 2			23.1 dBm			
	13.399 MHz							
Transmit Freq Error -15.503 kHz		Hz OBW P	OBW Power		99.00 %		Freq Offset 0 Hz	
x dB Bandwidth	14.06 M	Hz x dB		-26.	8b 00			

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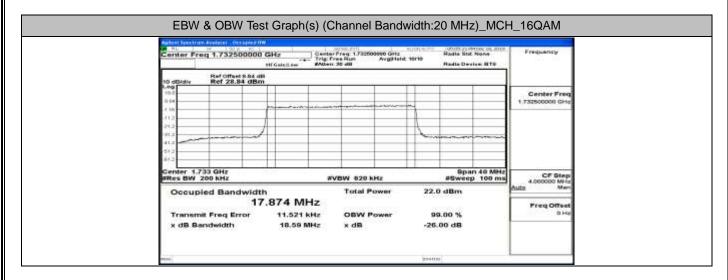




enter Freq 1.745000000 GHz Center Freq 1.74500000 GHz Radie Std None							Frequency		
	etf Galatt.com	Millen 30 dB	- mgrien.	10110	Radie Dev				
10 dB/div Ref 28.84 dB	Ref Offset 8.84 dB Ref 28.84 dBm								
10.0							Center Freq 1 74600000 GHz		
1.16			- Yes	-					
-0.2	A			N.					
-21.2				-					
61.2									
Center 1.745 GHz					Gas	n 40 MHz			
WRes BW 200 kHz	#VBW 620	KHZ	CF Step 4.000000 MHz Auto Man						
Occupied Bandwid		Total Power 2			23.7 dBm				
17.846 MHz							FreqOffset		
Transmit Freq Error -20.039 kHz x d8 Bandwidth 18,64 MHz		20			99.00 % -26.00 dB		0 Ha		

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EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)\_LCH\_16QAM Radio Stat None ster Freq 1.720000000 GHz AvgPleid: 10110 Center Freq: 1. Trig: Free Run Mitter: 30 dB Radio Devise 878 HE Gal Ref Offset 8.84 dB Ref 28.84 dBm Center Free Span 40 MHz #Sweep 100 ms enter 1.72 GHz Res BW 200 KHz CF Step #VBW 820 kHz **Occupied Bandwidth Total Power** 22.0 dBm 17.892 MHz Freq Offse Transmit Freq Error -5.829 kHz OBW Power 99.00 % 0 F x dB Bandwidth 18,59 MHz x dB -26.00 dB

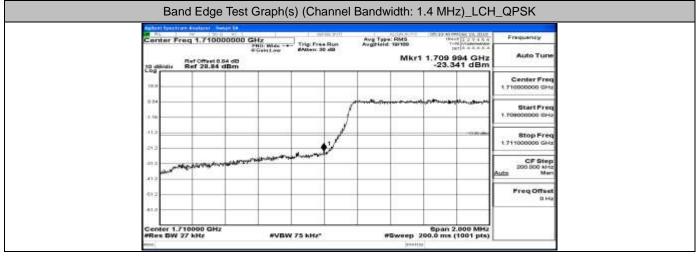


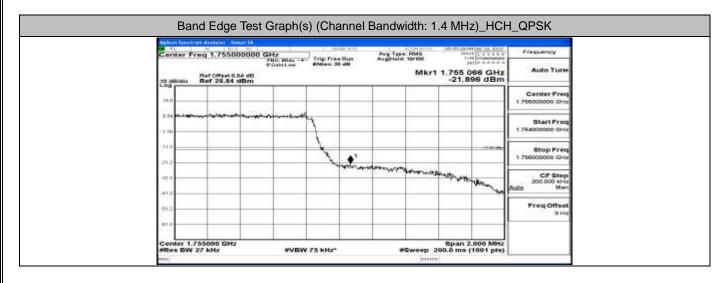
Center Freq 1.7450000	Frequency								
	HE Galation	Trig: Pres Run Mitten: 30 dB	Avgitteld, 1		ise UTD	1			
10 dB/div Ref 28.84 di									
10.0					_		Center Freq 1.748000000 GHz		
-1.1K -11.2									
212				1					
41.2									
612									
Center 1.745 GHz Span 40 MHz SVBW 620 kHz SWeep 100 mi							CF Step 4.000000 MHz		
Occupied Bandwidth			Total Power 22.8 dBm			1	Auto Me		
ment many carried		FreqOffset							
Transmit Freq Error	다 : (A' 다 안 집에 있는			99.00 % 26.00 dB		0 Ha			

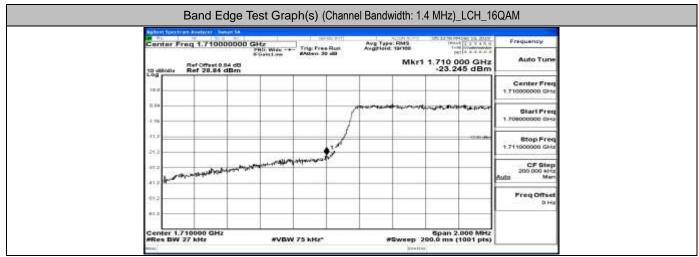
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Report No.: LCS191202020AEG

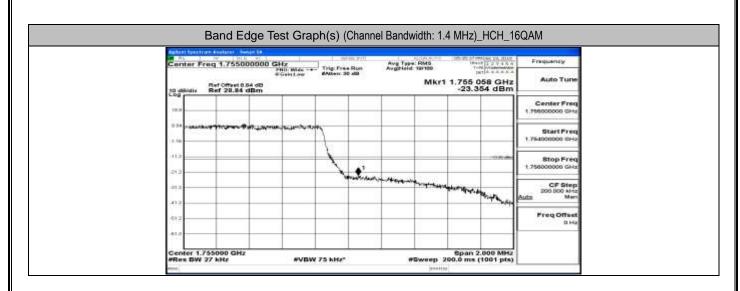
## E.4 Band Edge

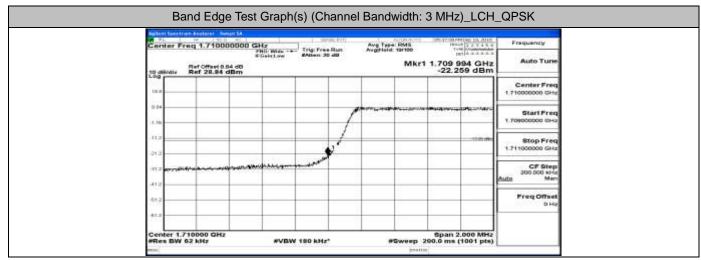






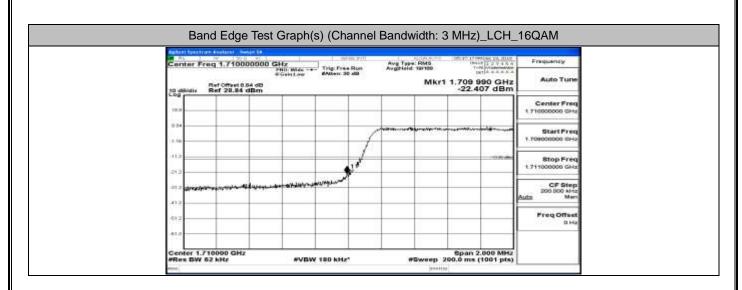
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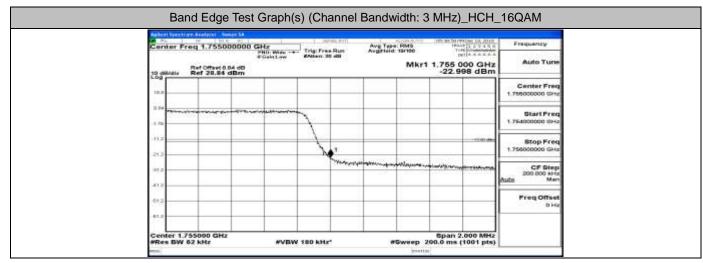


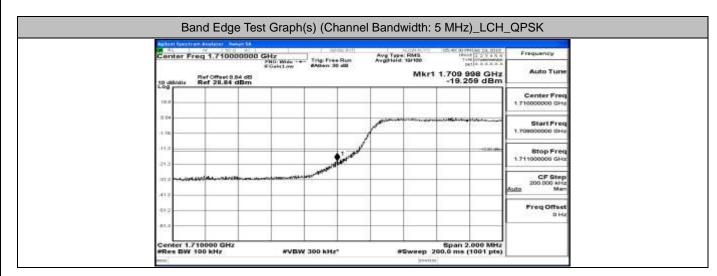


10 dB/dL/s Ref 28,84 dBm	ito Tune
District         Mkr1 1.755 010 GHz         Auto           10 distdis         Ref 28.84 dBm         -21.897 dBm         Cente	ito Tune
Cente	100 00 100 100 100 100 100 100 100 100
	iter Freq 0000 GHz
B P4 444	lart Preq 0000 dHa
12	top Freq
213 Charles and the second sec	CIF Step 0.000 kHz Men
612 Preq	q Offset

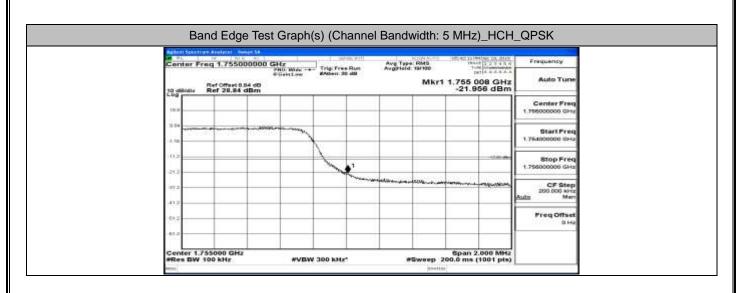
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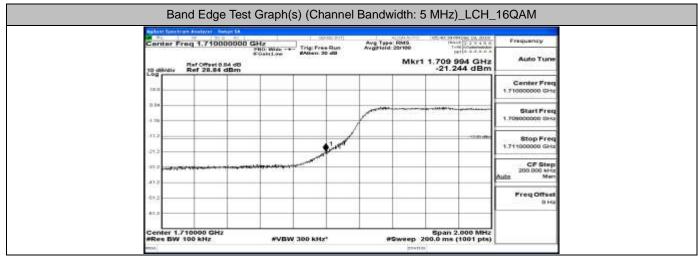


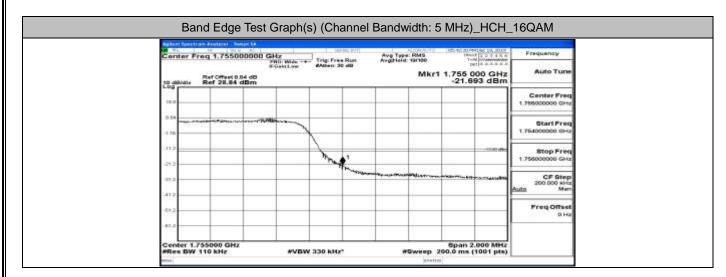




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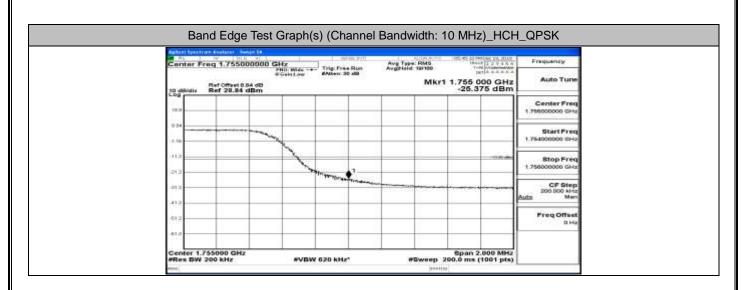
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)\_LCH\_QPSK

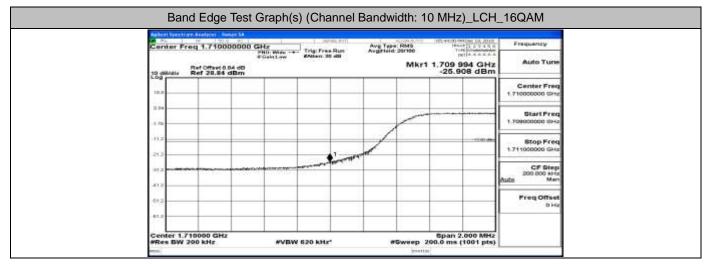
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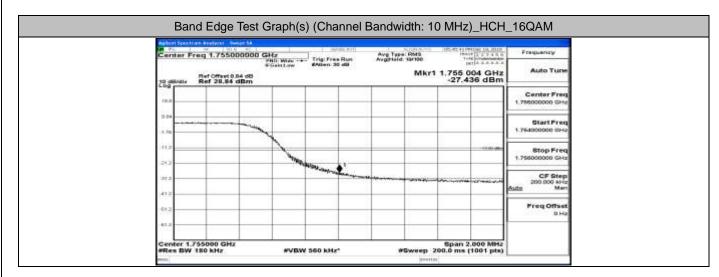
Report No.: LCS191202020AEG

Cent	ter Fre	q 1.710	000000 0	Hz PHD Wate ++	Trig.Fre	e Run	Ave Type Arginisid	RMS	100-417-12 0042-485 Health 12 1 Turke Moore DET 4-4	1484	Frequency
10 48	alle .	tef Offset ( Ref 20.84	1.64 68	FGairLow	#Albent 3	40 AU			1,709 988 -24,500	GHZ	Auto Tune
tear										_	Center Freq 1.71000000 GHz
1.10								/		•••••	Start Freq 1.709000000 dHa
(12		-	-	-							8top Freq 1.711000006 GHz
813 513		-	-		Waterson	Lawren					CF Step 200.000 kHz
-412		-				-				-	Auto Men
012		-	-								Freq Offset D Ha
-81.2											
		0000 GH	z	#VBW	620 kH	r*		Sweep 2	Span 2.000 100.0 ms (100	1 pbs)	

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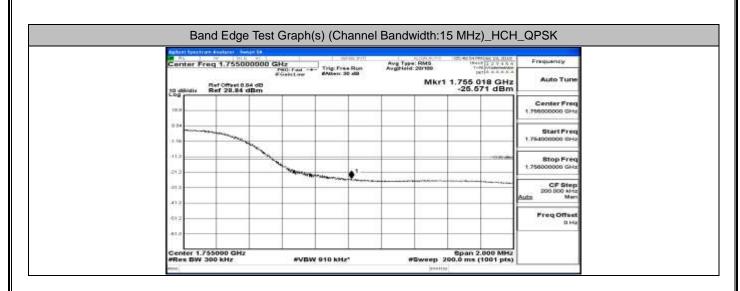
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)\_LCH\_QPSK

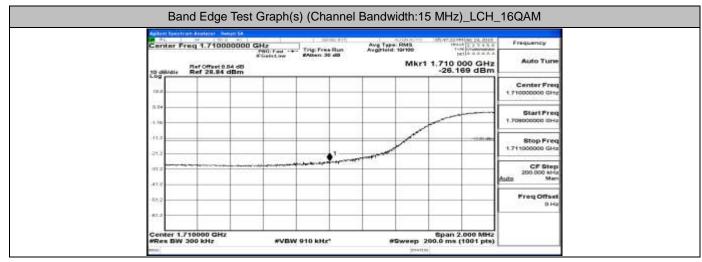
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Report No.: LCS191202020AEG

Center Freq 1.7100000	DO GHz PRO Fail -+- Trig Free But	Ave Type RMS Teart 2 2 3 Ave Type RMS Teart 2 3 Avertical tertes	Frequency
10 dilidie Ref 28.84 dBrr Log	#Gaistow #Adem 30 dB	Mkr1 1,709 984 G -24.828 dl	Hz Auto Tune
(m.n			Center Freq 1.71000000 GHz
1.18			Start Freq 1.709000000 dHa
(1.2			1.711000000 GHz
813			CF Step 200.000 Mitz
.41.2			Auto Men
61.2			Freq Offset 0 Hz
-81.2			
Center 1.710000 GHz #Res BW 300 kHz	WVBW 910 kHz*	8pan 2.000 M #Sweep 200.0 ms (1001)	1Hz

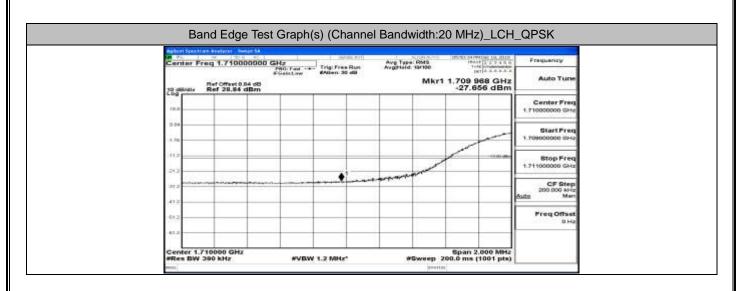
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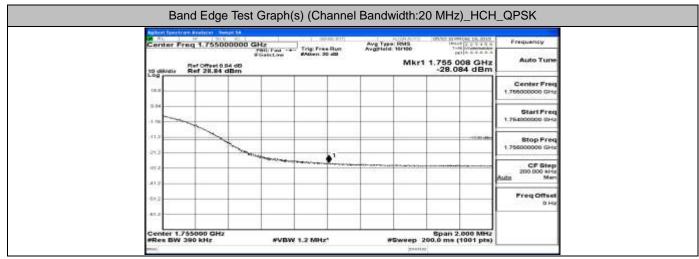




Ref Offset 0.04 dB MIRT 1.705 000 GHz	uto Tune
Ref Office 0.84 dB Mkr1 1.755 000 GHz	luto Tune
	00000000
	inter Freq
	Start Freq
	8top Freq
213	00006 GHz
era data data data data data data data da	CF Step 00.000 kHz Men
	eq Offset

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Party Free Part - Trig Free Run Avgrield 19700 Trig Commence	Frequency
Protective Main 30 dB Mkr1 1,709 980 GHz dikate Ref 28,84 dBm - 28.666 dBm	Auto Tune
	Center Freq 71000000 GHz
	Start Freq
2	Stop Freq 711000006 GHz
2 2 2	CF Step 200.000 kHz
2	Freq Offset

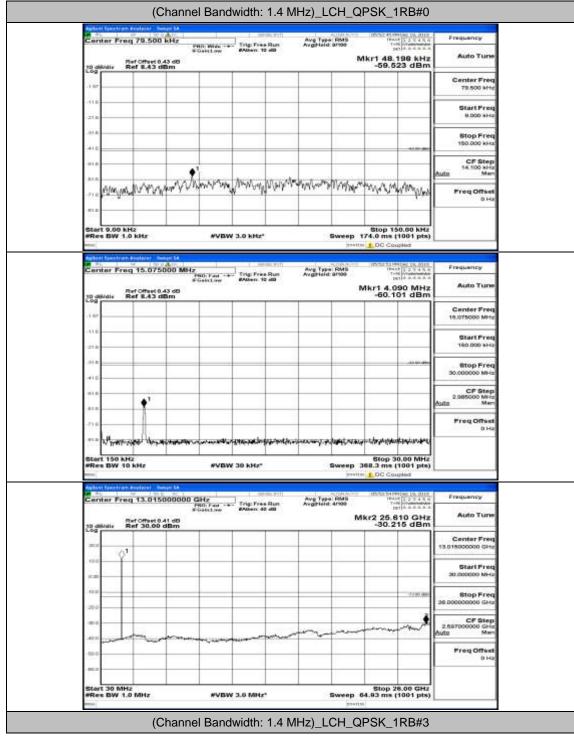
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Autorit Spectrum Analy	1 763.50 102 1	10 M	1 144-400 P-FT	- ALC: N	ACTIMATION	05/10/201494046-10.0	19 1
Center Freq 1.		Preside Frank	Trig: Free Run	Ave Typ-	20/100	THE DOCUMENT	Frequency
10 dilivate Ref C	ffset 9.54 dB 28.84 dBm	Gentley	#Atten: 30 dB		Mkr1 1	755 034 GH -29.076 dB	Auto Tune
ina							Center Freq 1.755000000 GHz
1.11							Start Preq 1.764000000 dHz
41.2	and a second						m Stop Freq 1.75600000 GHz
813	-		~~~		~~~~	****	CF Step 200.000 kHz Baltz Men
612							Freq Offset

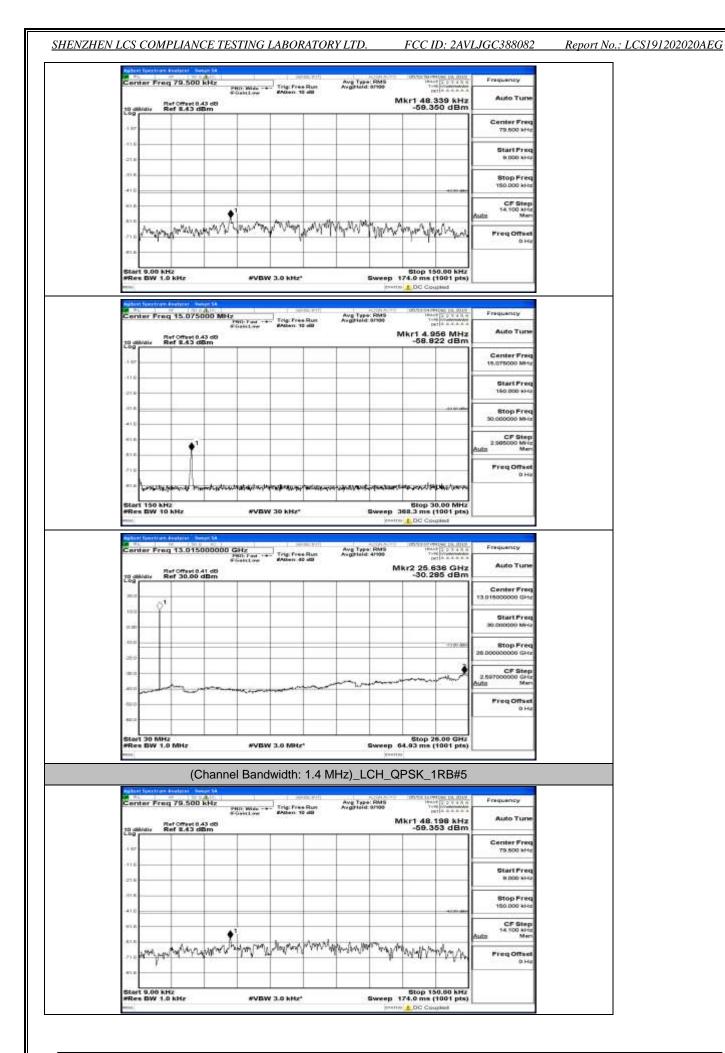
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Report No.: LCS191202020AEG

## **E.5 Conducted Spurious Emission**

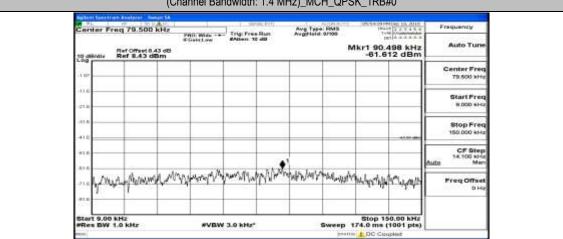


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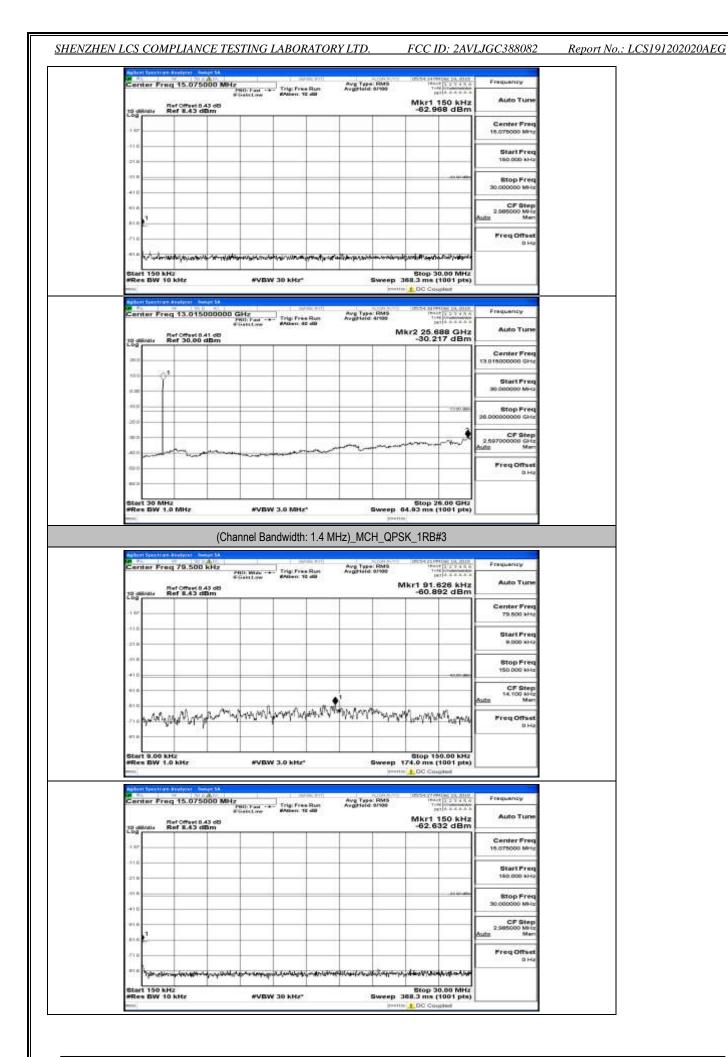


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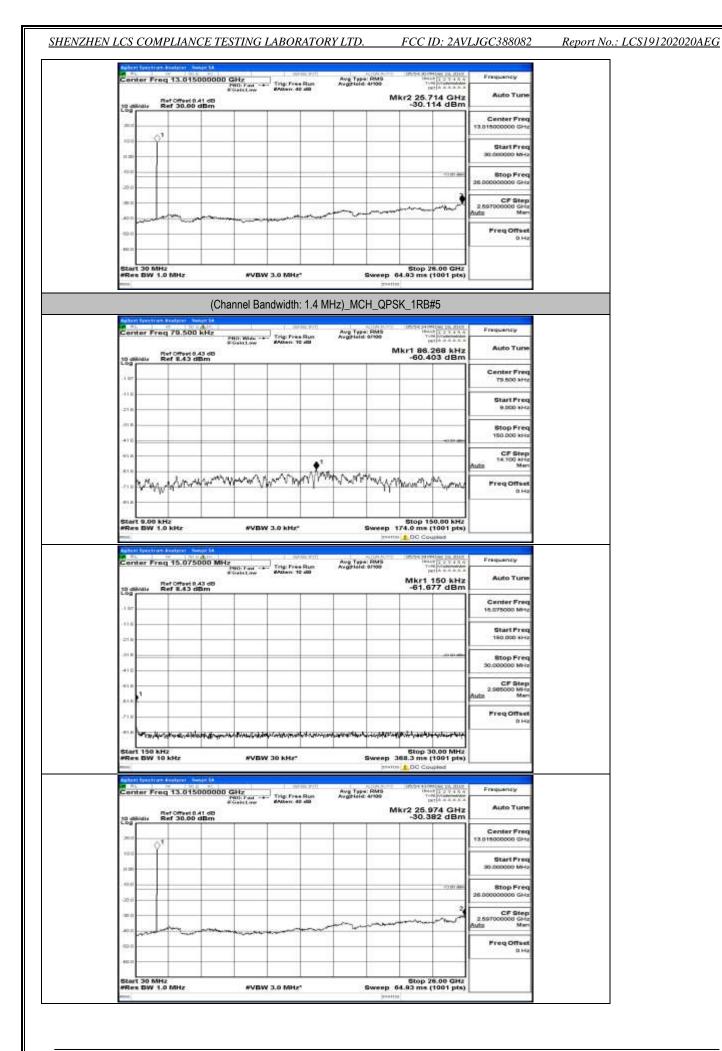
Center Freq 15.075000 h Def Center Freq 15.075000 h Def Center Freq 15.075000 h	BHZ PHD: Fast -ta- #Genet.ree #Alten: 12 dB	Avg Type: RMS Avginisid: 0/100	Mkr1 150 kHz -59.407 dBm	Auto Tune	
.1 117				Center Freq 16.075000 MHz	
-218				Start Freq 160,000 kHz	
.81.6 -4) 0			an in ate	Stop Freq 50,00000 MHz	
1 n n				CF Step 2.905000 MHz éata Man	
818				1000000000	
21.0				Freq Offset D Ha	
100	WDW 30 kHz*	Sweep	Stop 30.00 MHz 368.3 ms (1001 pts)	D Ha	
Contor Freq 13.0150000	WVDW 30 kHz*	Sweep	8000 30.00 MHz 88.3 ms (1001 pts) 00 Coupled 8000 D0 Coupled 8000 D0 Coupled 1000	Prequency Auto Ture	
To shide Ref 30.00 dBm	WVDW 30 kHz*	Sweep	Stop 30.00 MHz Sta 3 ms (100 1 pts) DC Coupled DC Coupled DC Coupled Test 10 Pt 10 Test 10	Prequency Auto Ture	
Start 150 hHz Start 150 hHz WRes BW 10 kHz WR Genter Freq 13.01500001 Desitors Ref Office 0.11 00 Desitors Ref 30.00 dBm	WVDW 30 kHz*	Sweep	8000 30.00 MHz 88.3 ms (1001 pts) 00 Coupled 8000 D0 Coupled 8000 D0 Coupled 1000	Frequency Auto Tune	
The second secon	WVDW 30 kHz*	Sweep	8000 30.00 MHz 88.3 ms (1001 pts) 00 Coupled 8000 D0 Coupled 8000 D0 Coupled 1000	Center Freq 13.01500000 GHz Start Freq	
TID Billing Res of apply to but and the second seco	WVDW 30 kHz*	Sweep	Stop 30.00 MHz 200.3 ms (1001 pts) DC Gousted Control of the location Provide the lo	Center Freq T3.0 18050000 GHz Start Freq 30.000000 MHz Stop Freq	
ma wijzkowi witze start 150 kHz wee BW 10 kHz weet Conter Freq 13.01500000 10 situite Ref 30.00 dBm 100 100	WVDW 30 kHz*	Sweep	Stop 30.00 MH2 368.3 ms (1001 pts) D C Coupled 1000 01494 (2010) 1000 0149 (2010) 1000 0100 (2010) 1000 0100 (2010) 1000	Frequency     Auto Ture     Center Freq     30.000000 GHz     Stop Freq     26.0000000 GHz     CF Step     2.59700000 GHz	
And A Sector Address A	WVDW 30 kHz*	Sweep	Stop 30.00 MH2 368.3 ms (1001 pts) D C Coupled 1000 01494 (2010) 1000 0149 (2010) 1000 0100 (2010) 1000 0100 (2010) 1000	Prequency Auto Ture Center Freq 13.01800000 GHz 30.00000 Hz 30.000000 GHz 28.0000000 GHz 28.0000000 GHz Auto Men Freq Offset 0 Hz	



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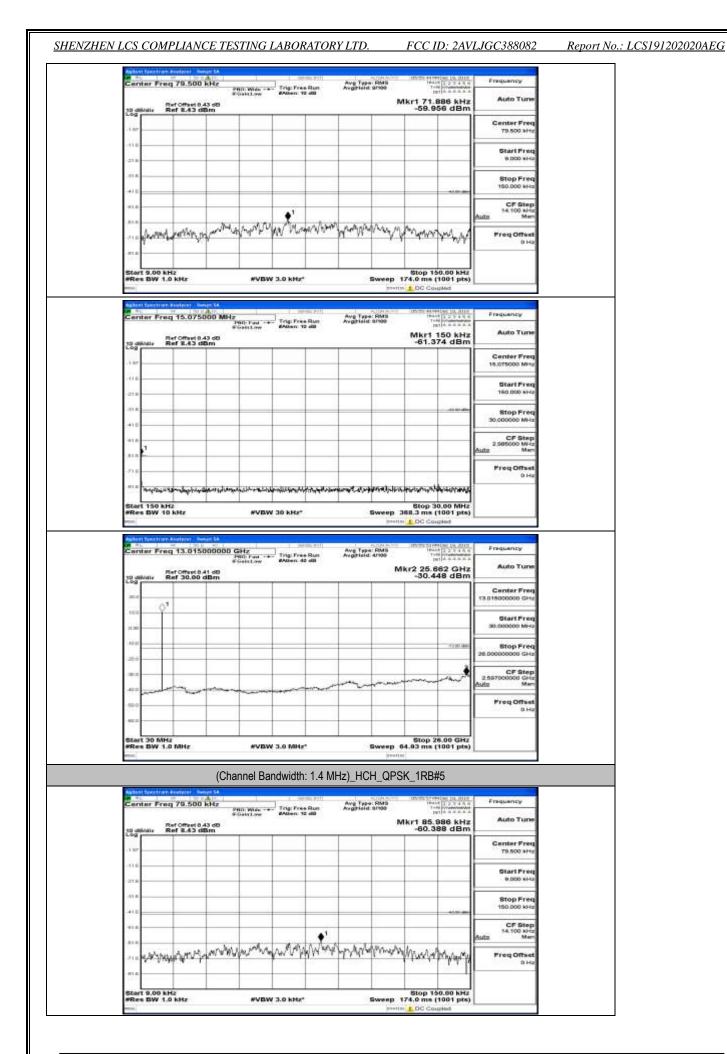


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 FCC ID: 2AVLJGC388082

Report No.: LCS191202020AEG

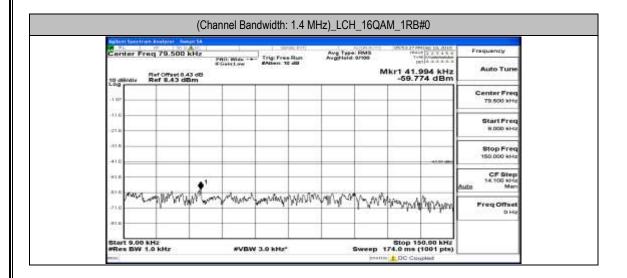
And best Spectrum Analyzer - Indige	che suprati	(P/I) ADDAA	100.002 23 10042465 10, 2010 100427 (2 2 2 4 8 6	Frequency
Center Freq 79.500 ki 30 all/dir Ref EA3 dBr	FGairLow #Atten 12 d		Mkr1 71.886 kHz -59.483 dBm	Auto Tune
10 dilutiv Ref 8.43 dBr				Center Freq 79.500 kHz
-11.0				Start Freq 9.000 sHa
.01.6				Stop Freq 150.000 kHz
-4) 0			43,03,885	CF Step 14.100 kHz
man and an all and a start a	when when when	Mar Marine Marine	-Musichana	Freq Offset
#1.B				
Start 9.00 kHz #Res BW 1.0 kHz	AVEW 3.0 kHz*		Stop 150.00 kHz 174.0 ms (1001 pts) to 100 Coupled	
Center Freq 15.07500	O MHz	Avg Type: RMS Avgitield: 0/100	05/55 2/ PP4106 10, 2010 (PALE 2 2 3 4 8 4) T=911 4 4 4 4 5 4	Frequency
10 dérdie Ref E.43 dBr	#Galation #Adam 12 d		Mkr1 150 kHz -61.636 dBm	Auto Tune
-3 W				Center Freq 16.075000 MHz
-21.0				Start Freq 160,000 sHa
4) 0				Stop Freq 50.000000 MHz
10.00 A 10.00				CF Step 2.985000 MHz Bultz Man
210				Freq Offset 0 Hz
20 10 1	า <b>ะ</b> คารระหารุตถึงประเทศสารประชาญร	and the second	Rep 30.00 MHz	
Start 150 kHz #Res BW 10 kHz	WVBW 30 kHz*		368.3 ms (1001 pts)	
Center Freq 13.01500	RU L	Avg Type: RMS tun AvgBield: 41999	100,000 40 000 100 100 100 0000 100,000 10 2 0 3 4 5 4 100,000 10 2 0 3 4 5 4 100,000 10 2 0 3 4 5 4 5 4	Frequency
10 dikidiy Ref 30,00 dB	60		Mkr2 26.000 GHz -30.384 dBm	Auto Tune
ana 01				Center Freq 13.01500000 GHz
(CIII)				Start Freq 30.000000 MHz
20.0			7. TO 10. AND	Stop Freq 26.00000000 GHz
(0.0				CF Step 2.59700000 GHz Auto Man
400 000				Freq Offset 0 Hz
-902.02				
Start 30 MHz			Stop 28.00 GHz	8 1

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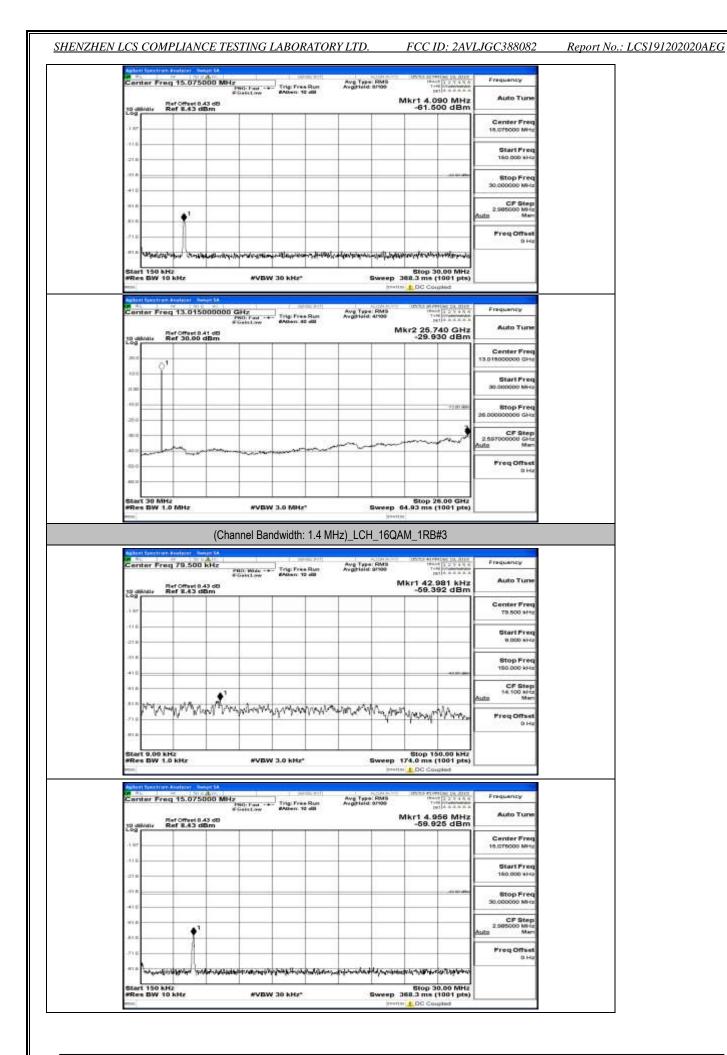


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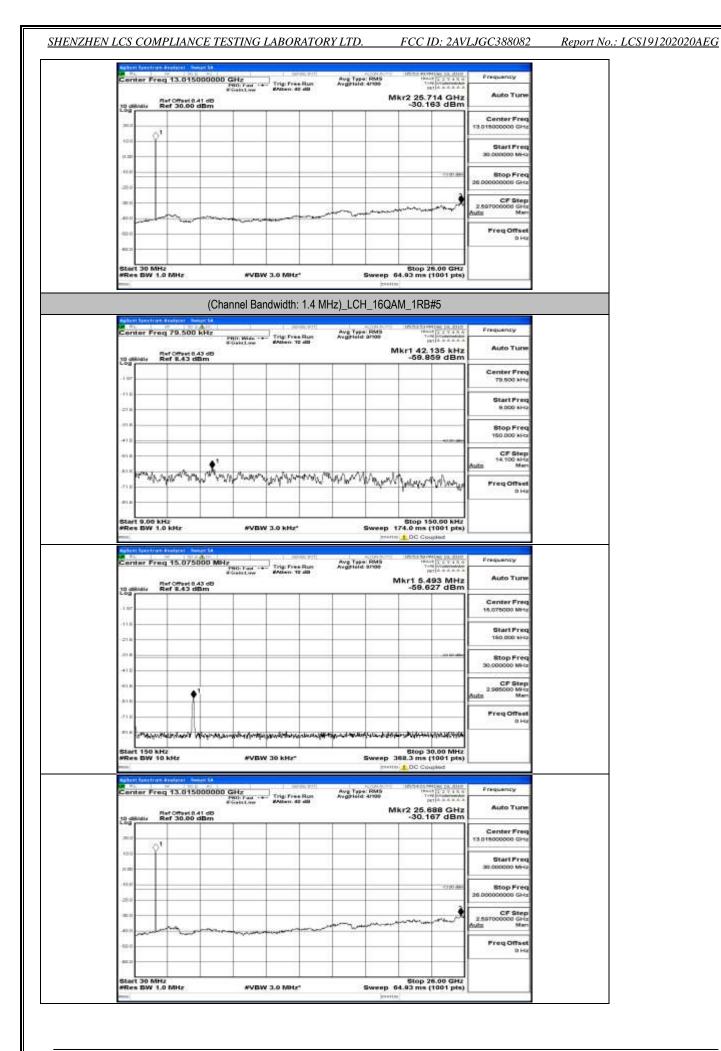
Frequency Auto Tune	kr1 150 kHz		Avg Type: Avgitield	Trig: Free Run Adlen: 10 dB	Hz Path Faat ++- FGaint.ree		unter Freq
	33.063 dBm					Offset 0.43 dB f 8.43 dBm	alitate R
Center Freq 16.075000 MHz							
Start Freq							0
160.000 kHz							
Stop Freq 50.000000 MHz	an an arte	-					n
CF Step							0
2.905000 Miriz Auto Men							1
Freq Offset							6
		- IC					
	op 30.00 MHz ms (1001 pts)				Asian and a		art 150 KH
 Frequency Auto Turre	op 30.00 MHz	wep 368			WDW	Hz 13.015000000	art 150 KH2 Res BW 10 Inter Freq
Auto Tune Center Freq	25.974 GHz	wep 368	5	ið kHar senar prin	WDW	94z 49/11/ Segist 14 13.015000000	art 150 kHz Res BW 10 Inter Breg attrate Freg
Auto Tune	25.974 GHz	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 kHz Res BW 10 Inter Freq alline R
Auto Tune Center Freq	25.974 GHz	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 kHi Res BW 10 Inter Freq
Auto Tune Center Freq 13.01500000 GHz Start Freq	25.974 GHz	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 kH/ tes BW 10 inter Freg
Auto Tune Center Freq 13.01500000 GHz Start Freq 30.000000 Hrs	op 30.00 MHz ms (1001 pts) C Coupled	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 kHi See BW 10 Inter Frag allintie R
Auto Tune Center Freq 13.01500000 GHe Start Freq 30.000000 MHe Stop Freq 26.0000000 GHe 2.557000000 GHe	op 30.00 MHz ms (1001 pts) C Coupled	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 KH/Less BW 10
Auto Tune Center Freq 13.0 1800000 GHz 30.000000 HHz 30.000000 HHz 26.0000000 GHz 26.0000000 GHz 26.0000000 GHz	op 30.00 MHz ms (1001 pts) C Counted States 1,200 pts) Test 2,200 A A Test 2,200 A A Test 2,200 A A Test 2,200 A A Test 2,000	wep 368	5	ið kHar senar prin	WDW	Hz 13.015000000	art 150 kH2 kes BW 10



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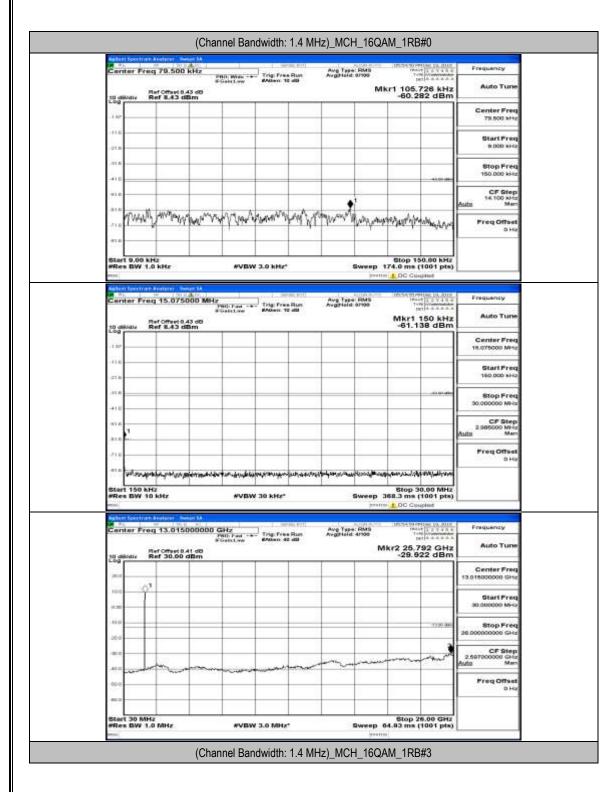


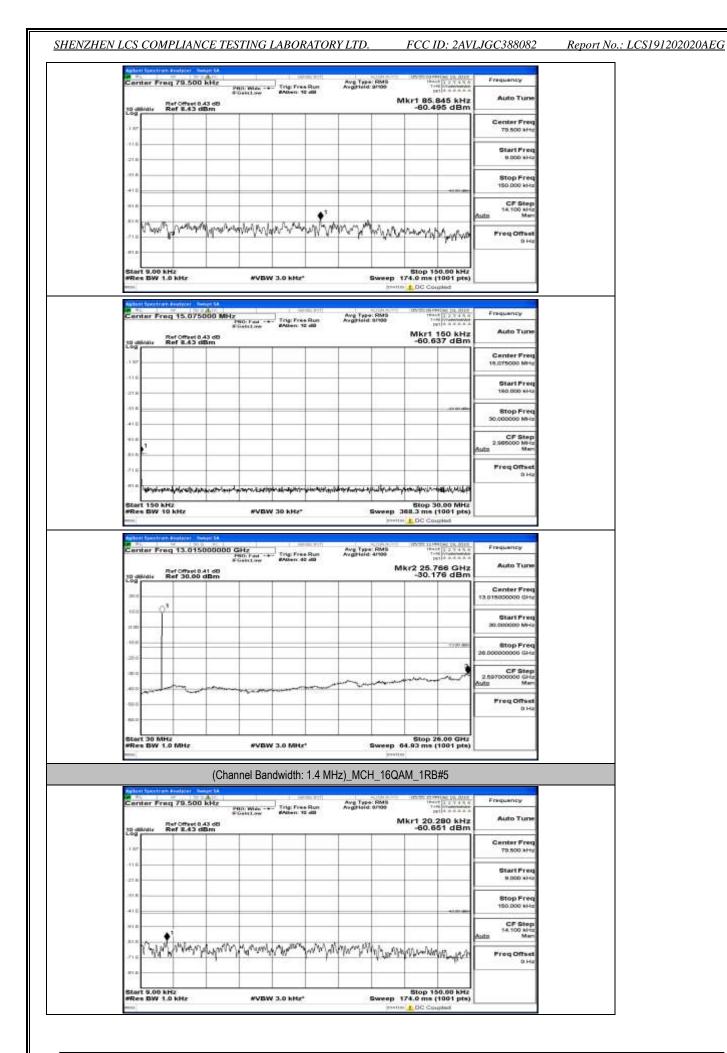
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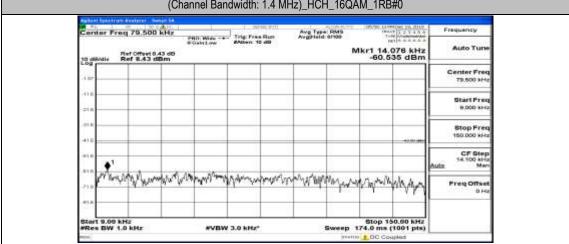
Report No.: LCS191202020AEG

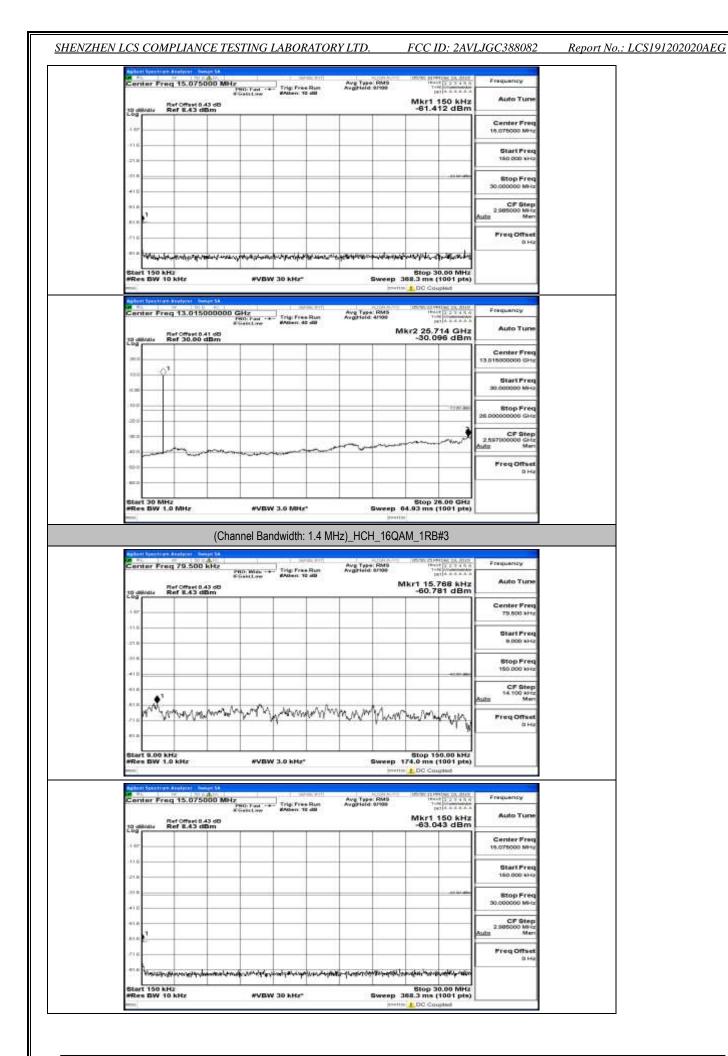




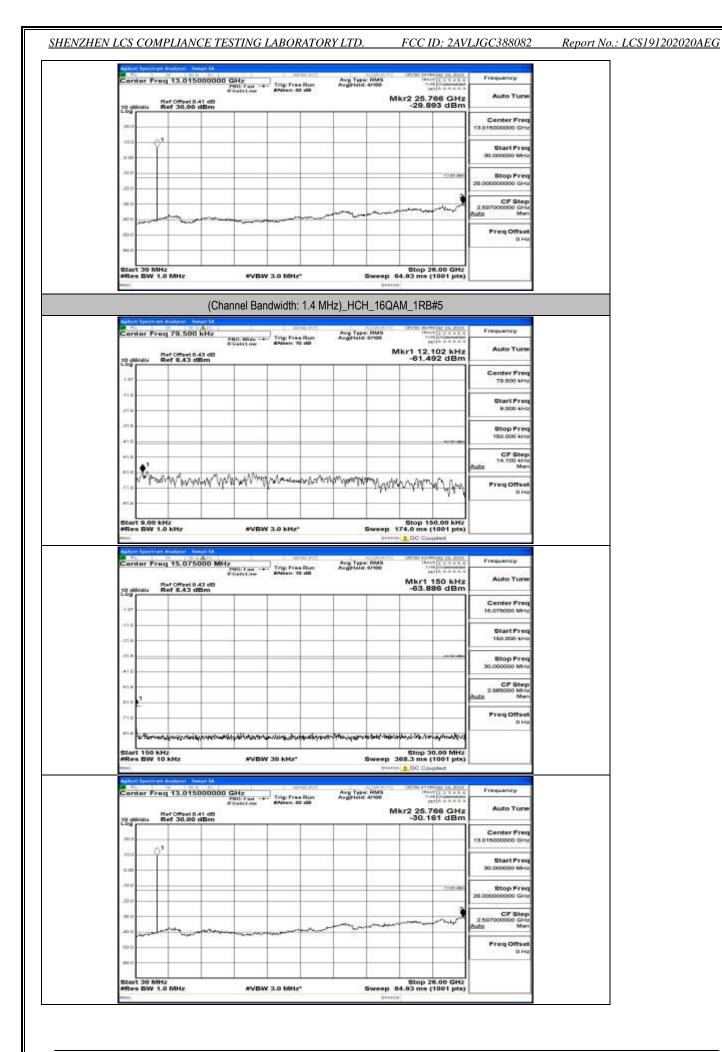
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Center Freq 15.07500	PHO: Fund 1010, Free Hum.	Avg Type: RMS Avgsteld 0/100	100-00-01-0041985-10-0110 100-07 (2-2-3-4-5-4 T-98) 100-00-0040-0040 1001 (4-6-6-6-4	Frequency	
Ref Offset 8.43	60		Mkr1 150 kHz -59.207 dBm	Auto Tune	
.1 107				Center Freq 16.075000 MHz	
-0.0				Start Freq 160.000 kHz	
.818				Stop Freq	
410				CF Step 2.905000 MHz	
-2) 0				Freq Offset	
·····	Anaphrate quincing to provide an annual second		homeonikamataranak	U Ha	
	A2CT 1.00 U.1 D22 1			1	1
Start 150 kHz #Res BW 10 kHz	WVBW 30 kHz*	Sweep	Stop 30.00 MHz 368.3 ms (1001 pts)		
			368.3 ms (1001 pts) to 100 Coupled		
#Res BW 10 kHz	0000 GHz		368.3 ms (1001 pts)	Frequency	
WRes BW 10 kHz	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts)	Frequency	
HRee BW 10 kHz	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts)	Frequency	
WRee BW 10 kHz	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts)	Frequency Auto Tune Center Freq	
WRes BW 10 kHz	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts)	Frequency Auto Turne Center Freq 13.0 1800000 GHz Start Freq 30.00000 M-G	
Hee BW 10 kHz	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts) DC Coupled Test (2.2.14 Test (2.2.14 Test (2.2.14 Test (2.2.14) Test (	Frequency Auto Turne Center Freq 33.01800000 GHz Start Freq 30.000000 M-G Stop Freq 26.00000000 GHz	
WRee BW 10 kHz           Inter Freq 13.01500           Center Freq 13.01500           10 diluti:           Ref 30.00 dB           201           100           100           100           201           201           301           401           200	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts) DC Coupled Test (2.2.14 Test (2.2.14 Test (2.2.14 Test (2.2.14) Test (	Frequency Auto Tune Center Freq 13.01800000 GHz Start Freq 30.000000 MHz Stop Freq 26.0000000 GHz	
WRee BW 10 kHz           Sector Sectors Andrews           Center Freg 13.01500           To district           Ber Offweit 0.41           Log           Interview           Ref 30.00 district           Interview           Inte	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts) DC Coupled Test (2.2.14 Test (2.2.14 Test (2.2.14 Test (2.2.14) Test (	Frequency Auto Tune Center Freq 13.0.1000000 GHz Start Freq 20.0000000 GHz Stop Freq 20.0000000 GHz	
WRee BW 10 kHz           Image: Section And And And And And And And And And An	14 0000 GHz Prith Fast Fried Law Solars 40 40	Avg Type: RMS AvgTield 4/100	368.3 ms (1001 pts) DC Coupled Test (2.2.14 Test (2.2.14 Test (2.2.14 Test (2.2.14) Test (	Frequency Auto Tune Center Freq 13.0.1000000 0Hz Start Freq 30.0000000 MHz Stop Freq 20.0000000 GHz CF Step 2.55700000 GHz Auto Men Freq Offset 0 Hz	





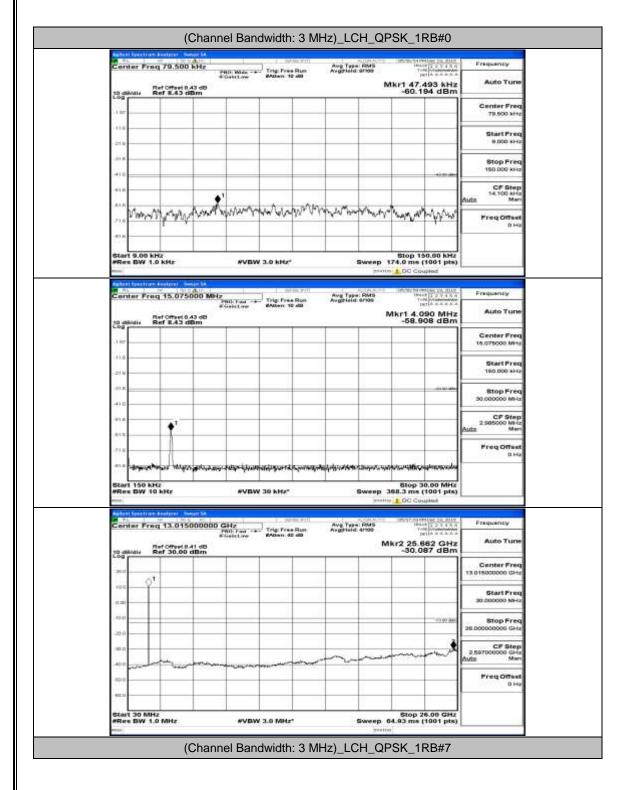
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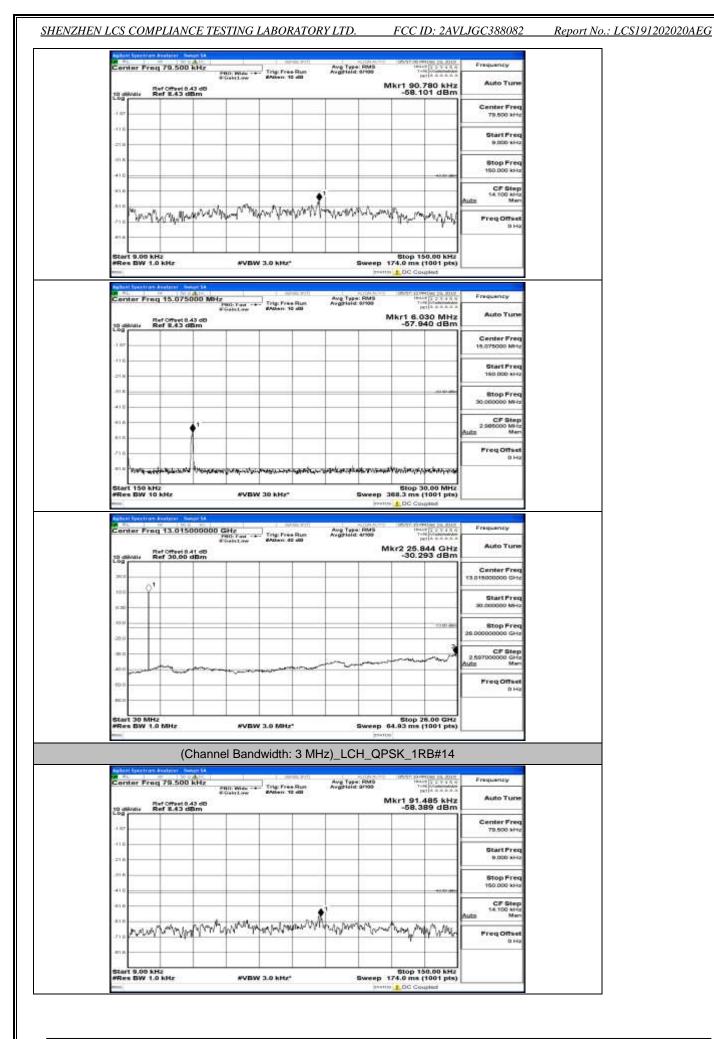
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## **Channel Bandwidth: 3 MHz**

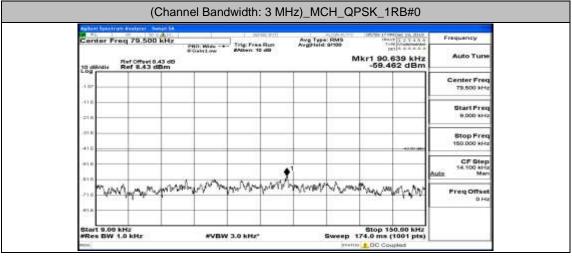


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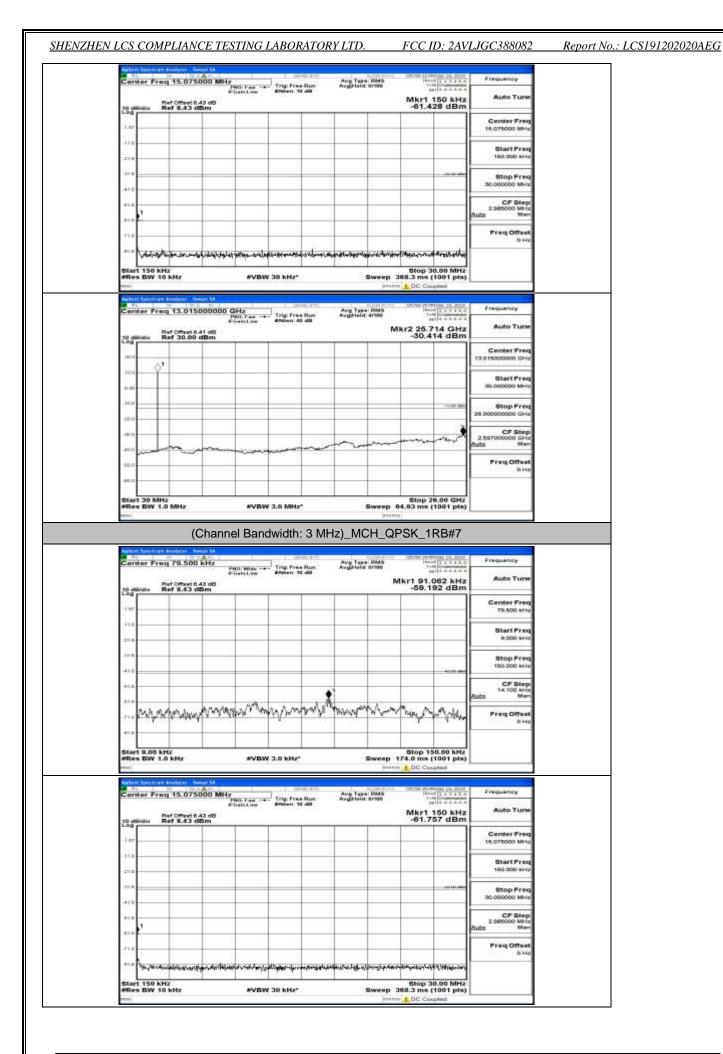


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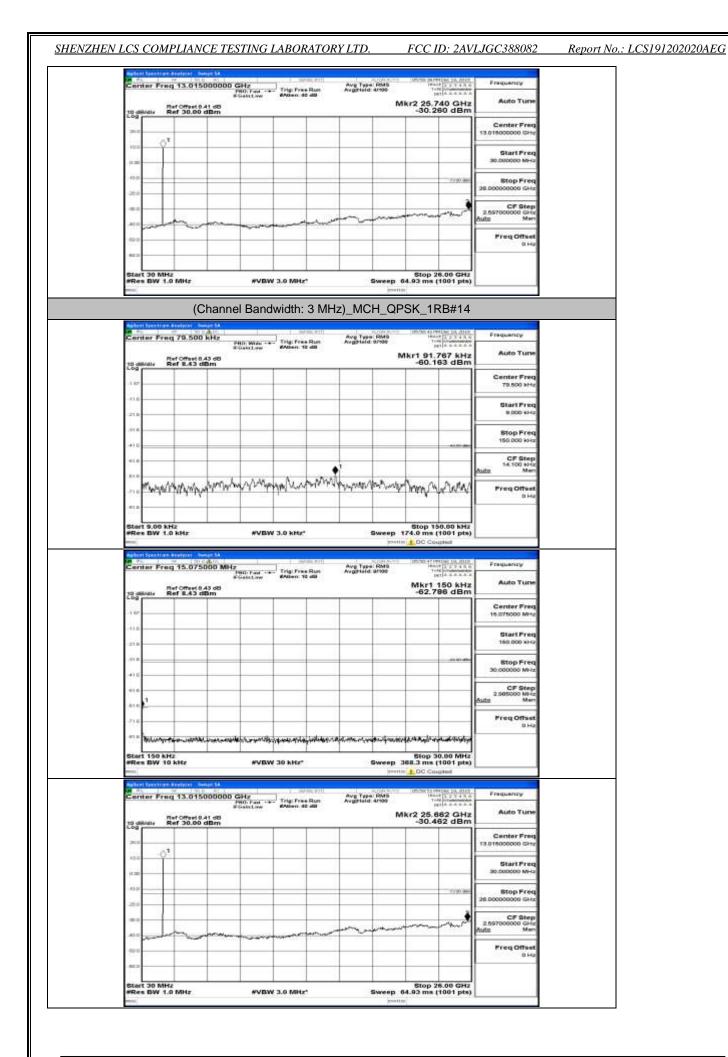
Effective       Modern 12 all       Mikri 7.2 shi M	Center Freq 15.075	DOD MHz	54558(377)	Ave Type: RMS Averial 0/100	100x3 C AN INVESSE 1	Frequency
1.127     1.127	Ref Offset 0	Fille Fast -+- 10 #GainLow #40	p:FreeRun Ien: 10 dB		Mkr1 7.911	MHz Auto Tur
110     110 <th>100</th> <th></th> <th></th> <th></th> <th></th> <th></th>	100					
410     Stop Preq       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       410     310       411     <						
Alta     Alta     Alta     Alta     Alta     Alta     Preq Offset       Alta     Alta     Alta     Preq Offset     Alta     Preq Offset       Start 130 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Storep 30.00 NH2     Preq Offset       Start 130 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Preq Offset       Start 130 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Preq Offset       Start 130 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Prequency       Start 100 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Prequency       Start 100 NH2     AVBW 30 kH2*     Storep 30.00 NH2     Prequency       Start 100 NH2     Prequency     Prequency     Prequency       Ber Offset 0.11 c0     Prequency     Prequency     Auto Tune       Boold Nutre     Storep Freq     30.396 dBm     Storp Freq       103     1     1     1     1     1       103     1     1     1     1     1       103     1     1     1     1     1       103     1     1     1     1     1       103     1     1     1     1     1       103     1     1     1     1       103 <t< td=""><td></td><td></td><td></td><td></td><td>-</td><td>atop Pre</td></t<>					-	atop Pre
318     Allow and an analysis of the second of		• <sup>1</sup>				2.985000 Mi
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1000 PregOffset DHg	Hee BW 10 kHz     Heli Heli Heli Heli Heli Heli Heli H	0000000 GHz Post	seras pro	Avg Type: RMS Avgitield 4100	368.3 ms (100) 00 Coupled 00 Coupled 1 ms 200 1 ms 2	Auto Tur GHz Bm Center Fre 30,50000 G Start Fre 30,500000 M Start Fre 30,500000 M
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Report No.: LCS191202020AEG

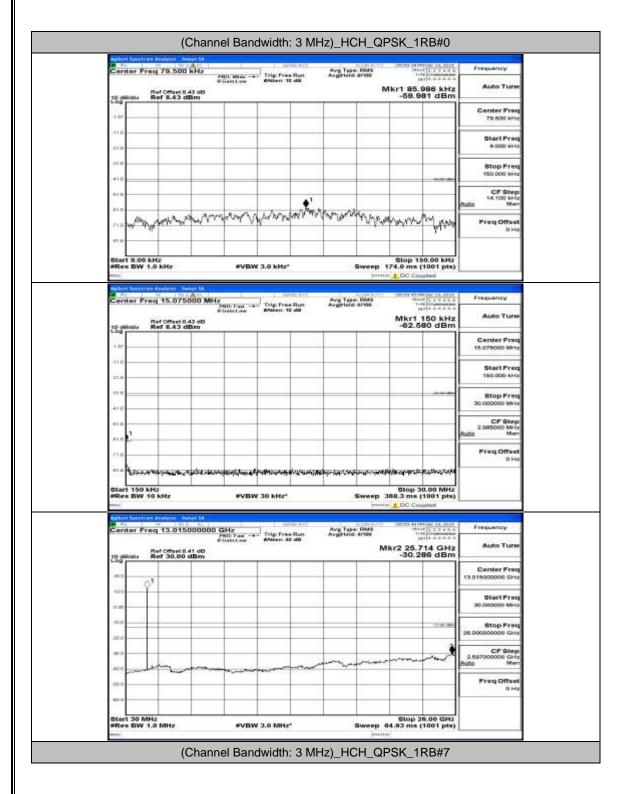


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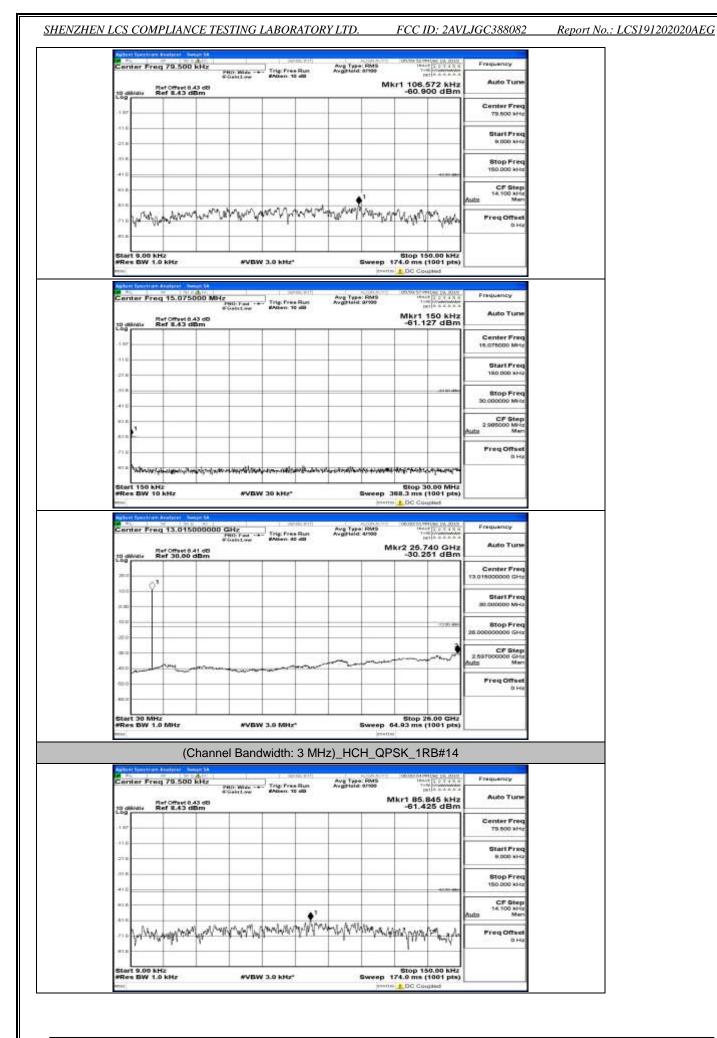


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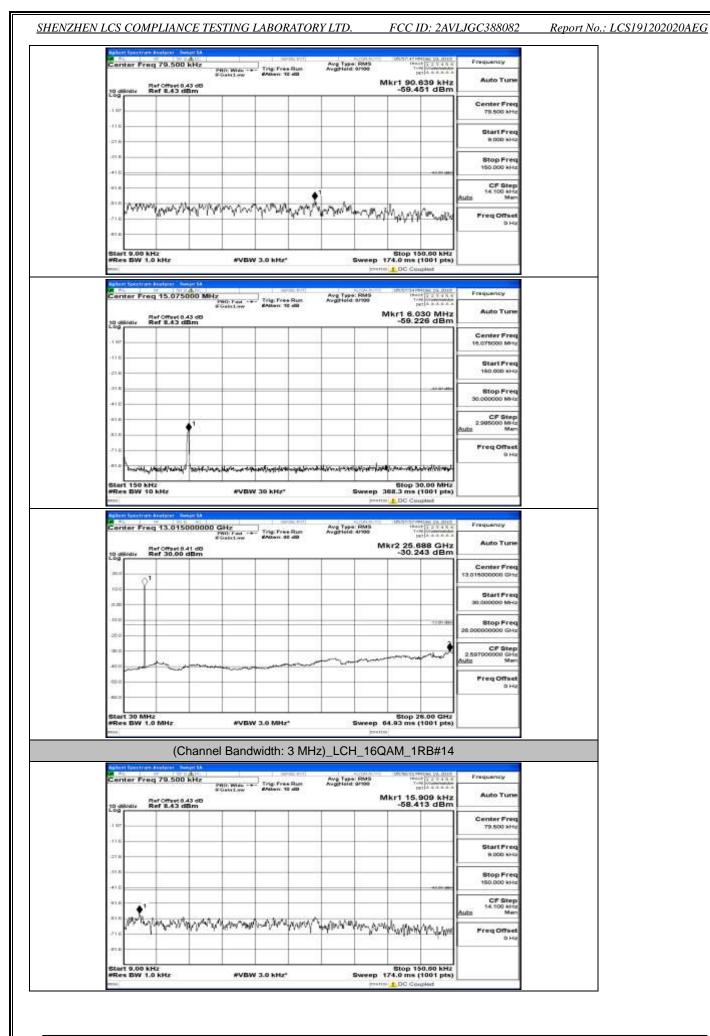
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Center Freq 15.075000	MiHz Prid: Fast ++- Figeint.ov	+ Run Avg Type: 1 Avg Type: 1 Avg Type: 1	100 To 100 To		Frequency	
10 dilute Ref 8.43 dBm	a			150 kHz 00 dBm		
.1 107					Center Freq 16.075000 MHz	
21.0					Glart Preq 160.000 xHz	
410					Stop Freq 30.00000 MHz	
110 1010					CF Step 2.505000 MHz Auto Men	
-81.8 A-					innerser infr	
-21.0					Freq Offset D Ha	
Start 150 kHz	WINN 30 KHE		Stop 3	0.00 MHz		
Merchan Stream edimination	#VBW 30 kH#		Stop 3 weep 368.3 ms ( metro <u>1</u> DC Co	0.00 MHz (1001 pts) upled	0 Ha	
Start 130 kHz Start 130 kHz WRes BW 10 kHz Salet Spotter Andrew See 5 Center Freq 13,015000	WVBW 30 kHr <sup>a</sup> 000 GHz Felly Fair Felly Fair FAlan 4	Si Avg Type I	Stop 3 weep 368.3 ms ( metho _ DC Co. DC Co. DC Co. MS (main 199 900 7 7	0.00 MHz (1001 pts) apled	9 Ha	
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Bendy Typen experiences	WVBW 30 kHr <sup>a</sup> 000 GHz Felly Fair Felly Fair FAlan 4	Si Avg Type I	Stop 3 weep 368.3 ms ( mento 1 DC Co ans the month of the	0.00 MHz (1001 pts) apled	9 Ha	
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Building States of the second	WVBW 30 kHr <sup>a</sup> 000 GHz Felly Fair Felly Fair FAlan 4	Si Avg Type I	Stop 3 weep 368.3 ms ( mento 1 DC Co ans the month of the	0.00 MHz (1001 pts) apled	Frequency Auto Tune Center Freq 13.01505000 GHz Start Freq	
Building Transformer Start 130 MHz Start 130 MHz WRes BW 10 MHz The Start S	WVBW 30 kHr <sup>a</sup> 000 GHz Felly Fair Felly Fair FAlan 4	Si Avg Type I	Stop 3 weep 368.3 ms ( mento 1 DC Co ans the month of the	0.00 MHz 1001 pts) geted 7 2 2 4 8 6 7 4 9 dBm	Frequency Auto Tune Center Freq 13.01500000 GHz Start Freq 30.00000 M-G	

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Center Freq 79.500 kHz	549-500, 9911	Avg Type: RM5 Avgpteld: 9/100	100.517 (0.0441as) 10, 0110 100.47 (1.2.3.4.6.4) 1.48	Frequency
10 dilutiv Ref E.43 dBm	PHD Water++ Trig Pres Run #GaleLow Molen 12 dB		Vikr1 90.780 kHz -59.643 dBm	Auto Turre
.1 87				Center Freq 79.500 kHz
-11.0				StartFree
218				8.000 kHu
(4) 0			40.00.000	8top Fred 150.000 kHz
****		•		CF Step 14.100 kHz Butta Men
200 Maranahad Jah	water and and a second	Coll William Same	Munumum	Freq Offset D Ha
Start 9.00 kHz #Res BW 1.0 kHz	WEW 3.0 kHz*	Sweep	Stop 150.50 kHz 174.0 ms (1001 pts)	
Autori Spectrum Anatore Charge SA		mett	DC Coupled	-
Center Freq 15.075000 Ref Offset 0.43 dD	Fight Ing The Hun	Avgineta: eme	Mkr1 4.090 MHz -59.944 dBm	Frequency Auto Turre
10 dilidis Ref 8.43 dBm				Center Freq 16.075000 MHz
-21.0				Start Freq 160 000 kHu
4) 0			- 45 KD alle	Stop Free 50.000000 MHz
*1.0 <b>*1</b>				CF Step 2.985000 MHz Balta Mar
-71.0				Freq Offset
	hospitality is about significant and a second	understandigen and the standing	12.	
Start 150 kHz #Res BW 10 kHz	WVBW 30 kHz*		Stop 30.00 MHz 368.3 ms (1001 pts) 5 1.00 Coupled	
Center Freg 13.0150000	000-001-001	Ave Tapa: DMS	1995/07 441091286 10, 2010 1995/17 2 2 2 4 5 6	Frequency
Bet Officer 0.41 dD	Fight fast MADem 40 all	Avg Type: RMS Avgiteld: 4/100	1kr2 25.740 GHz -30.010 dBm	Auto Tune
200				Center Freq 13.018000000 GHz
1000				Start Freq
(CIII) (6)D			1710.466	30.00000 MHG Stop Free
26.0				26.00000000 GHa
400				CF Step 2.597000000 GHz Auto Man
-09.0				Freq Offset
-102.0				
Start 30 MHz			Stop 26.00 GHz	1



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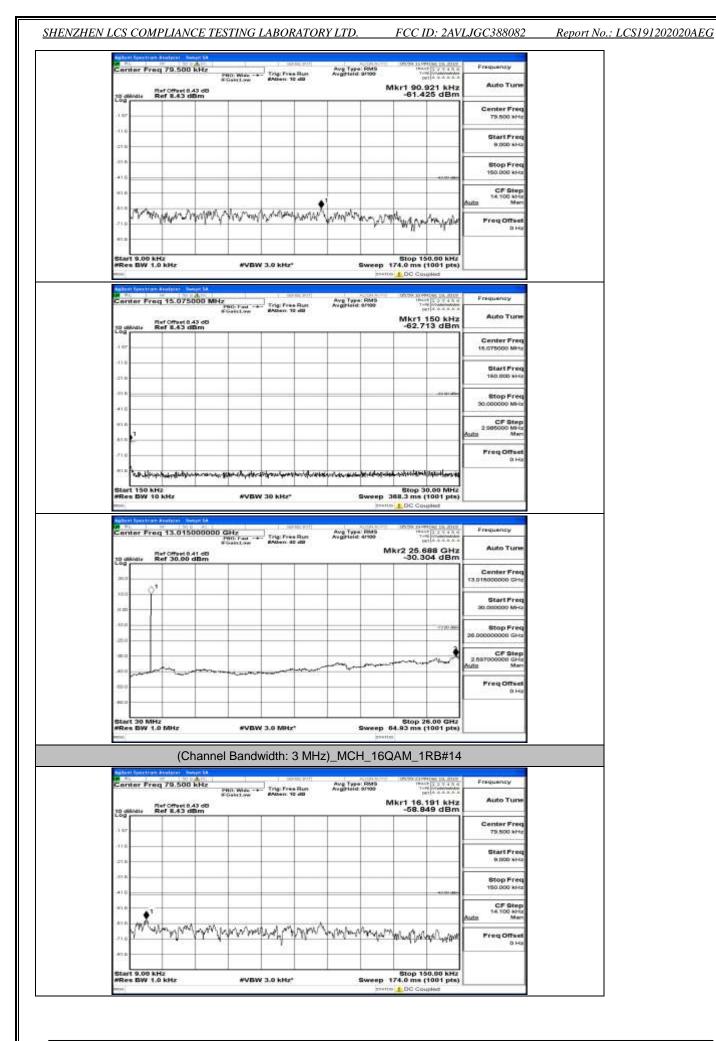
Frequency	10041 No. 10, 20110 T-100 DBT 0.00000000000000000000000000000000000	100 100 100 100 100 100 100 100 100 100	Avg Type: RMS Avgitield 9/999	Free Run	nd Fau ++-	5.075000 MHz	Center Freq
Auto Tune	881 MHz 226 dBm	Mkr1 7.1				offset 0.43 dB 8.43 dBm	in dilitativ Re
Center Freq 16.075000 MHz							1 117
Start Preq 160.000 kHz							11.0
Stop Freq 50.00000 NHz							410
CF Step 2.905000 MHz Auto Marc							#10 #10
Preg Offset							51.0
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	30.00 MHz (1001 pts)		Swee		watershaft		Start 150 KHz Res BW 101
 Frequency	30.00 MHz (1001 pts) cupled	8top 3 p 368.3 ms	Swee	<b>He*</b>	wave as	Hz	Start 150 kHz Res BW 10 i
 Frequency Auto Tune	30.00 MHz (1001 pts)	Stop : p 368,3 ms	Swee	42*	WBW 3	Hz (3.015000000 (	Start 150 KHz Res BW 10 1
 a shi ka sha sa	30.00 MHz (1001 pbs) cupled	Stop : p 368,3 ms	Swee	fe*	WIN 30	Hz (1001 - Mespe M (5. 0 1 50000000	Stort 150 kHz Res BW 10 i
Auto Tune Center Freq	30.00 MHz (1001 pbs) cupled	Stop : p 368,3 ms	Swee	fe*	WIN 30	Hz (1001 - Mespe M (5. 0 1 50000000	Start 150 KHz WRes BW 10 1
Auto Tune Center Freq 13.01800000 GHz Start Freq	30.00 MHz (1001 pbs) cupled	Stop : p 368,3 ms	Swee	fe*	WIN 30	Hz (1001 - Mespe M (5. 0 1 50000000	Center Freq
Auto Tune Center Freq 13.01800000 GHz Start Freq 30.00000 MHz Stop Freq	30.00 MHz (1001 pts) ougled 	Stop : p 368,3 ms	Swee	fe*	WIN 30	Hz (1001 - Mespe M (5. 0 1 50000000	Center Freq

<u>SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.</u> FCC ID: 2AVLJGC388082

Report No.: LCS191202020AEG

Center Freg 79.5	00 kHz	1 SAPARE P711	Ave Type: RMS Averiate 0/100	190409 34104146 14 8110 190409 34104146 14 8110	Frequency
10 dileate Ref E.43	PHD: Wide #GainLow	Trig: Free Run #Atten: 10 dB	Avginield: 0/100	Mkr1 18.614 kHz -60.372 dBm	Auto Tune
.1 107					Center Freq 79.500 kHz
-11.0					Start Pres
21.0					8.000 8H4
410				40,00 480	810p Fred 150.000 kHz
510					CF Step 14.100 kins Auto Men
	and a she was a she was	nthey will all have your	Migraphine Markanya	waterspectrump	Freq Offset 0 Ha
Start 9.00 kHz #Res BW 1.0 kHz		W 3.0 kHz*		Stop 150.00 kHz p 174.0 ms (1001 pts)	
Autori Spectrum Andway			-	eettes 100 Coupled	
Center Freq 15.0	75000 MHz Fed Fast Cost:Low	Trig: Free Run Motion: 10 dB	Ave Type: RMS Averiate of the	1994.00 10 1991.00 10, 2010 1994.07 12 2 2 4 5 6 T-190 1997.4 6 6 6 6 6 6	1 0.000223362428
10 dB/div Ref 8.43	e 0.43 dB 3 dBm			Mkr1 150 kHz -63.673 dBm	
-1 87					Center Freq 16.075000 MHz
-+3.0					Start Freq
21.0 //1.6				as to all	Stop Free
(+) 0					50.000000 MHz
*10					CF Step 2.905000 MHz Auto Man
.71.0					FreqOffset
···· Wanter			anterest and	notastanta (nyi)niinaddilais maar	
Start 150 kHz #Res BW 10 kHz	wv	W 30 kH/r		Stop 30.00 MHz p 368.3 ms (1001 pts)	
Agitest Spectrum Analysis				HTS LOC Coupled	
Center Freq 13.0	PRO: Faul #Gaint.ow	Trig: Free Run #Atten: 40 dB	Ave Type: RMS Averid 4100	Mkr2 25.662 GHz -30.359 dBm	Auto Tune
Log Ref 30.0	00 dBm			-30.309 08m	Center Freq
10.0 01					13.01800000 GHz
(III)					Start Freq 30.000000 MHz
40.0					8top Free 26.00000006 GHz
apa				A market and a market	CF Step 2.597000000 GHz
.800	m market	man			Avita Men
-00-0 					Freq Offset 0 Ha
0.075				Stop 28.00 GHz	
Start 30 MHz		W 3.0 MHz*		p 64.93 ms (1001 pts)	

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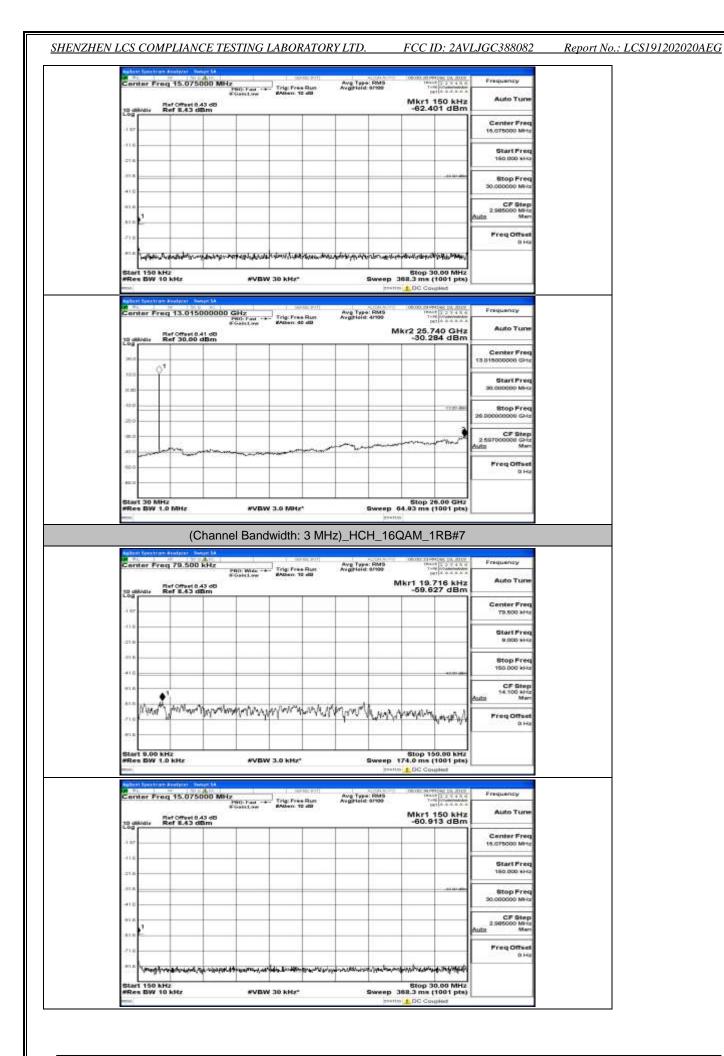


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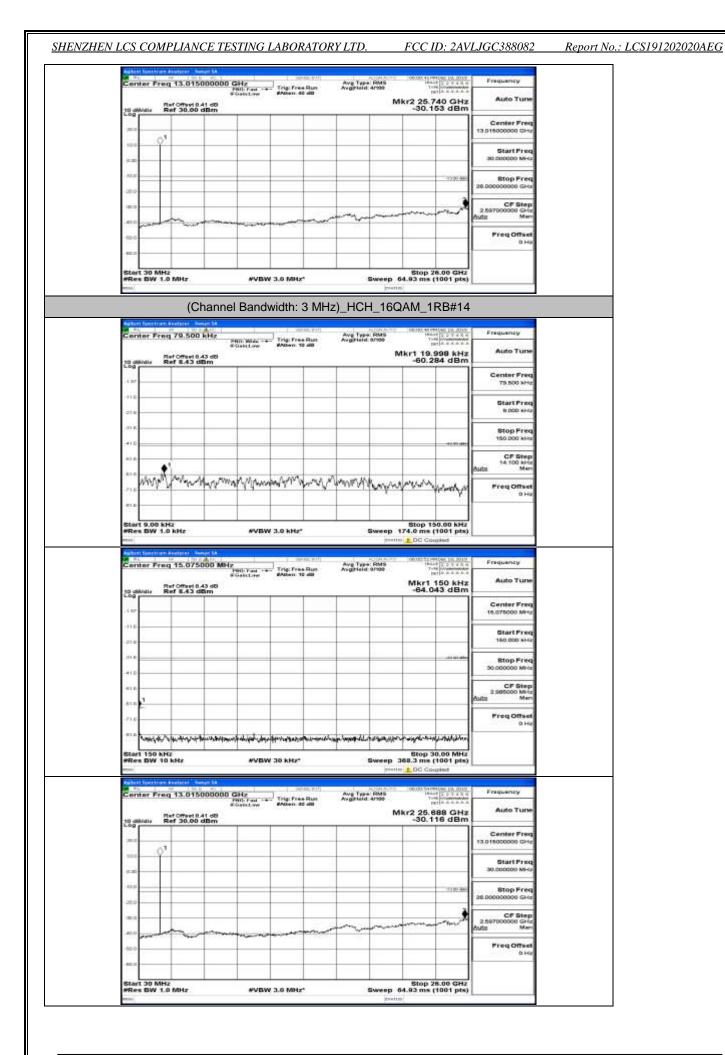
Center Freq 15.075000 M	Fight Fast ++- Trig: Free Run Fight Live Adden: 12 dB	Avg Type: RMS Avginisid: 0/100	105/00/00-00-00-00-00-00-00-00-00-00-00-00-		
10 dil/die Ref 8.43 dBm			Mkr1 150 kHz -62.044 dBm	Auto Tune	
A 87				Center Freq 16.075000 MHz	
-11.6				Start Preq 160.000 sHz	
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Start 150 kHz #Res BW 10 kHz	WVDW 30 kHz*	Sweep	Stop 30.00 MHz 368.3 ms (1001 pts)		
Stort 150 kHz #Res BW 10 kHz	WBW 30 kHz*				
Stort 190 kHz #Res BW 10 kHz mai Autor Sportran Audwar, Swept M	an GHz	23-1	368.3 ms (1001 pts)	Frequency	
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Start 190 kHz #Res BW 10 kHz mil Center Freq 13.0150000 Beforer Start Start Start Center Freq 13.0150000 Beforer 30.00 dBm	DD GHz Print Fast Stort Love Adden: 40 dB	Avg Type: RMS AvgTield 4/100	368.3 mis (1001 pts) DC Coupled Harr (2.21 46 Tel: (2.21 46 Te	Frequency Auto Tune Center Freq 13.0.1605000 GHz Start Freq 26.0000000 GHz 25.0000000 GHz 2.5000000 GHz	
Start 130 hHz #Res BW 10 kHz mmi Center Freq 13.0150000 10 dB/diz Ref 30.00 dBm 10 dB/diz Ref 30.00 dBm 10 dB/diz Ref 30.00 dBm 10 dB/diz Ref 30.00 dBm	DD GHz Print Fast Stort Love Adden: 40 dB	Avg Type: RMS AvgTield 4/100	368.3 mis (1001 pts) DC Coupled Harr (2.21 46 Tel: (2.21 46 Te	Frequency Auto Tune Center Freq 33.01800000 GHz Start Freq 30.000000 M-G Stop Freq 26.0000000 GHz	
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Center Freq 79.500 ki	Hz PRO WWW - +-	Trig: Free Run	Ave Type: RMS Averial artes	Telep 10 and 10	Frequency
10 genue Ref E43 dBr	#GaleLow d0 n	#Ation: 10 dB	9	Mkr1 11.256 kH -60.150 dB	Auto Tune
.1 117					Center Freq 79.500 kHz
-11.0					Start Freq 8,000 sHa
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4)0 810				40.00.0	CF Step 14,100 kHz
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41.0		- p	iven :	to con a polyte	DHa
Start 9.00 kHz				Stop 150.00 kł	

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