SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AJMSP500 Report No.: LCS181225001AEG

Appendix J: Test Data for E-UTRA Band 25

Product Name: POS Terminal Trade Mark: SmartPeak Test Model: P500

Environmental Conditions

Temperature:	24.1° C	
Relative Humidity:	53.7%	
ATM Pressure:	100.0 kPa	
Test Engineer:	Tom Liu	
Supervised by:	Jayden Zhuo	

J.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	24.13	23.73	PASS		
		1	3	24.20	23.83	PASS		
		1	5	24.09	23.70	PASS		
	LCH	3	0	24.16	22.64	PASS		
		3	2	24.24	22.91	PASS		
		3	3	24.15	22.88	PASS		
		6	0	23.25	22.19	PASS		
		1	0	24.20	23.28	PASS		
		1	3	24.38	23.51	PASS		
QPSK /		1	5	24.31	23.54	PASS		
16QAM	MCH	3	0	23.98	22.80	PASS		
IOQAIVI		3	2	24.15	22.98	PASS		
		3	3	24.12	22.89	PASS		
		6	0	23.02	22.42	PASS		
		1	0	24.52	23.95	PASS		
		1	3	24.32	23.83	PASS		
		1	5	24.26	23.59	PASS		
	НСН	3	0	24.59	23.93	PASS		
		3	2	24.44	23.76	PASS		
		3	3	24.30	23.63	PASS		
		6	0	23.51	22.38	PASS		

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 1 of 78

	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Modulation Channel		figuration	Average Power [dBm]	Average Power [dBm]	Vardiat		
wooulation	Channel	Size	Offset	QPSK	16QAM	Verdict		
	1	0	24.16	23.50	PASS			
		1	7	24.41	23.92	PASS		
		1	14	24.35	23.98	PASS		
	LCH	8	0	23.33	22.34	PASS		
		8	4	23.29	22.39	PASS		
		8	7	23.29	22.50	PASS		
		15	0	23.25	22.12	PASS		
		1	0	24.11	23.95	PASS		
		1	7	24.10	23.48	PASS		
QPSK /		1	14	24.39	23.69	PASS		
16QAM	MCH	8	0	23.20	22.10	PASS		
IOQAIN		8	4	23.21	22.21	PASS		
		8	7	23.20	22.32	PASS		
		15	0	23.60	22.47	PASS		
		1	0	24.43	23.71	PASS		
		1	7	24.48	23.79	PASS		
		1	14	24.18	23.61	PASS		
	HCH	8	0	23.54	22.53	PASS		
		8	4	23.60	22.47	PASS		
		8	7	23.52	22.73	PASS		
		15	0	23.59	22.56	PASS		

		Conducte	d Output Pov	ver Test Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat
wooulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	24.03	23.78	PASS
		1	12	24.06	23.73	PASS
		1	24	23.97	23.77	PASS
	LCH	12	0	23.33	22.30	PASS
		12	6	23.46	22.46	PASS
		12	13	23.29	22.40	PASS
		25	0	23.31	22.04	PASS
		1	0	23.96	23.80	PASS
		1	12	24.50	23.94	PASS
		1	24	24.38	23.79	PASS
QPSK / 16QAM	MCH	12	0	23.16	22.35	PASS
TOQAIM		12	6	23.25	22.46	PASS
		12	13	23.29	22.18	PASS
		25	0	23.65	22.46	PASS
		1	0	24.56	23.38	PASS
		1	12	24.78	23.34	PASS
		1	24	24.36	23.21	PASS
	HCH	12	0	23.58	22.69	PASS
		12	6	23.61	22.82	PASS
		12	13	23.53	22.66	PASS
		25	0	23.59	22.85	PASS

		Conducted	l Output Pow	ver Test Result (Channel Band	lwidth: 10 MHz)	
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat
wodulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	24.37	23.82	PASS
		1	24	24.32	24.23	PASS
		1	49	24.02	23.74	PASS
	LCH	25	0	23.36	22.32	PASS
		25	12	23.33	22.29	PASS
		25	25	23.34	22.35	PASS
		50	0	23.37	22.34	PASS
		1	0	24.46	23.75	PASS
		1	24	24.43	24.43	PASS
QPSK /		1	49	24.14	24.02	PASS
16QAM	MCH	25	0	23.80	22.45	PASS
TOQAIM		25	12	23.31	22.13	PASS
		25	25	23.28	22.20	PASS
		50	0	23.16	22.17	PASS
		1	0	24.80	24.58	PASS
		1	24	24.79	24.77	PASS
		1	49	23.96	23.51	PASS
	HCH	25	0	23.80	22.67	PASS
		25	12	23.84	22.69	PASS
		25	25	23.72	22.72	PASS
		50	0	23.76	22.73	PASS

		Conducted	Output Pow	ver Test Result (Channel Band	lwidth: 15 MHz)	
Modulation	Channel	RB Cont	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat
wooulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	24.38	23.34	PASS
		1	37	24.33	23.25	PASS
		1	74	24.36	23.27	PASS
	LCH	37	0	23.45	22.47	PASS
		37	18	23.42	22.49	PASS
		37	38	23.37	22.35	PASS
		75	0	23.39	22.44	PASS
		1	0	24.58	23.85	PASS
		1	37	24.45	23.86	PASS
QPSK /		1	74	24.23	23.74	PASS
16QAM	MCH	37	0	23.32	22.11	PASS
TOQAIN		37	18	23.30	22.25	PASS
		37	38	23.28	22.15	PASS
		75	0	23.18	22.19	PASS
		1	0	24.63	23.62	PASS
		1	37	24.84	23.78	PASS
		1	74	24.34	23.79	PASS
	НСН	37	0	23.84	22.79	PASS
		37	18	23.83	22.79	PASS
		37	38	23.67	22.83	PASS
		75	0	23.77	22.79	PASS

		Conducted	Output Pow	ver Test Result (Channel Band	width: 20 MHz)	
Modulation	Channel	RB Cont	figuration	Average Power [dBm]	Average Power [dBm]	Vardiat
wooulation	Channel	Size	Offset	QPSK	16QAM	Verdict
		1	0	24.48	23.27	PASS
		1	49	24.62	23.32	PASS
		1	99	24.91	23.33	PASS
	LCH	50	0	23.54	22.57	PASS
		50	25	23.53	22.59	PASS
		50	50	23.56	22.52	PASS
		100	0	23.51	22.53	PASS
		1	0	24.94	23.45	PASS
		1	49	24.64	23.65	PASS
QPSK /		1	99	24.40	23.17	PASS
16QAM	MCH	50	0	23.36	22.33	PASS
IOQAIVI		50	25	23.31	22.26	PASS
		50	50	23.31	22.31	PASS
		100	0	23.39	22.29	PASS
		1	0	23.71	23.04	PASS
		1	49	24.18	23.43	PASS
		1	99	24.24	23.73	PASS
	НСН	50	0	23.85	22.71	PASS
		50	25	23.92	22.85	PASS
		50	50	23.85	22.84	PASS
		100	0	23.75	22.78	PASS

J.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	4.66	<13	PASS				
QPSK	MCH	4.92	<13	PASS				
	НСН	3.33	<13	PASS				
	LCH	5.49	<13	PASS				
16QAM	MCH	5.83	<13	PASS				
	НСН	3.97	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
wouldtion	Channel	[dB]	[dB]	Verdict				
	LCH	4.74	<13	PASS				
QPSK	MCH	5.06	<13	PASS				
	НСН	3.93	<13	PASS				
	LCH	5.57	<13	PASS				
16QAM	MCH	5.94	<13	PASS				
	НСН	4.7	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channel	[dB]	[dB]	Verdict				
	LCH	4.59	<13	PASS				
QPSK	MCH	5.04	<13	PASS				
	HCH	4.03	<13	PASS				
	LCH	5.4	<13	PASS				
16QAM	MCH	5.82	<13	PASS				
	НСН	4.75	<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	4.37	<13	PASS				
QPSK	MCH	4.94	<13	PASS				
	HCH	4.44	<13	PASS				
	LCH	5.1	<13	PASS				
16QAM	MCH	5.72	<13	PASS				
	НСН	5.25	<13	PASS				

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 7 of 78

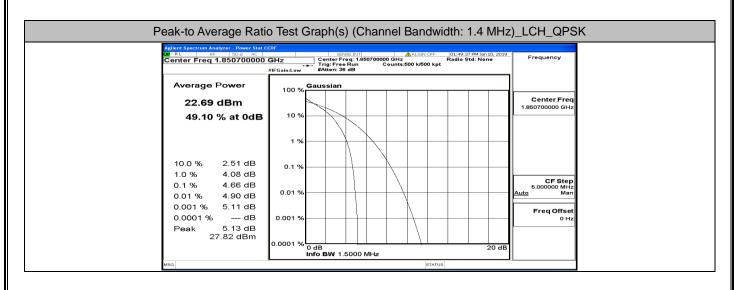
Report No.: LCS181225001AEG

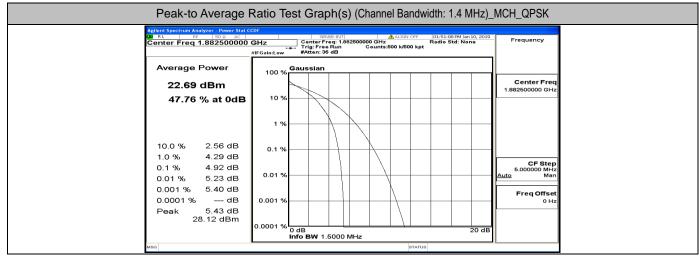
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channer	[dB]	[dB]	Verdici				
	LCH	4.81	<13	PASS				
QPSK	MCH	5.05	<13	PASS				
	НСН	4.92	<13	PASS				
	LCH	5.68	<13	PASS				
16QAM	MCH	6.16	<13	PASS				
	НСН	5.93	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict	
	LCH	5.76	<13	PASS	
QPSK	MCH	5.76	<13	PASS	
	НСН	5.73	<13	PASS	
	LCH	6.24	<13	PASS	
16QAM	MCH	6.77	<13	PASS	
	НСН	6.56	<13	PASS	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 8 of 78

Report No.: LCS181225001AEG

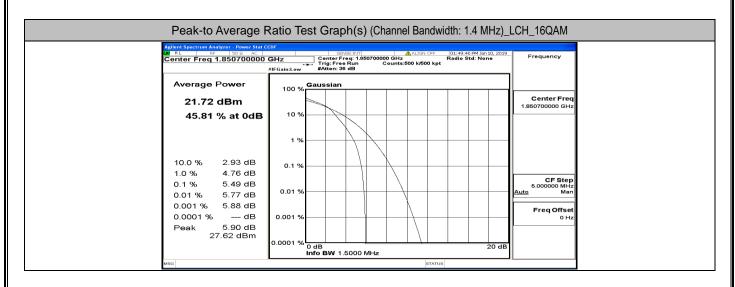


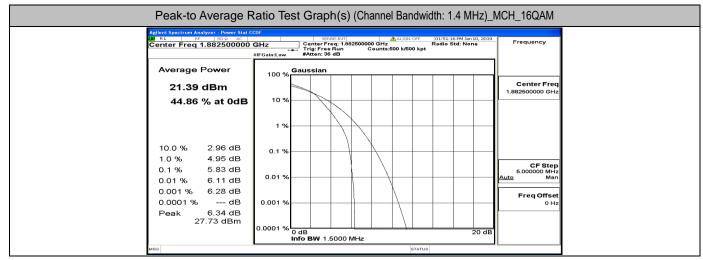


Agilent Spectrum Analyzer - Power Stat Co		HCH_QPSK	
KL RF 50.0 AC Center Freq 1.914300000 Average Power	#IFGain:Low #Atten: 36 dB	Frequency	
23.08 dBm 56.42 % at 0dB	100 % Coussian 10 %	Center Freq 1.914300000 GHz	
10.0 % 2.06 dB 1.0 % 2.99 dB	0.1 %	CF Step	
0.1 % 3.33 dB 0.01 % 3.52 dB 0.001 % 3.58 dB 0.0001 % dB	0.01 %	5.000000 MHz Auto Man Freq Offset 0 Hz	
Peak 3.59 dB 26.67 dBm	0.0001 % 0 dB 20 dB 20 dB		

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 9 of 78

Report No.: LCS181225001AEG

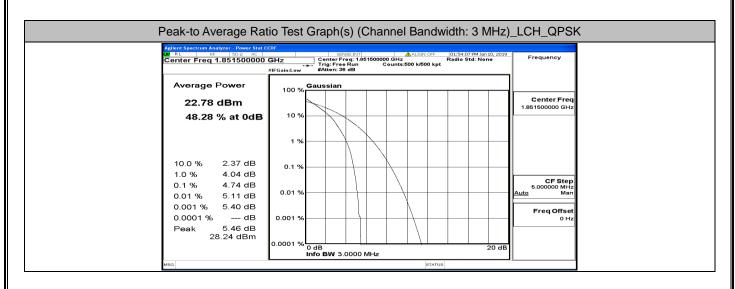


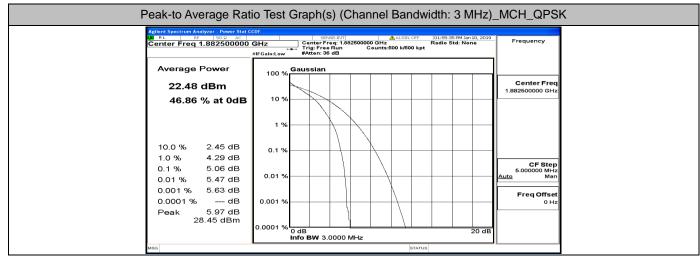


Agilent Spectrum Analyzer - Power Stat C		HCH_16QAM
00 RL RF 900 AC Center Freq 1.9143000000 Average Power	GHz SENSE: NTI A ALGO CF 0.152:45 PM Jan 10, 2019 Center Frez 1.514300000 GHz Radio Std: None Radio Std: None #IF Gain:Low #Atton 36 dB Counts:500 k/500 kpt Radio Std: None	Frequency
22.37 dBm 51.52 % at 0dB	100 % Gadssian 10 %	Center Freq 1.914300000 GHz
10.0 % 2.56 dB	1 %	
1.0 % 3.57 dB 0.1 % 3.97 dB 0.01 % 4.18 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 4.32 dB 0.0001 % dB Peak 4.37 dB 26.74 dBm	0.001 %	Freq Offset 0 Hz
MBG	0.0001 % 0 dB 20 dB Info BW 1.5000 MHz	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 10 of 78

Report No.: LCS181225001AEG

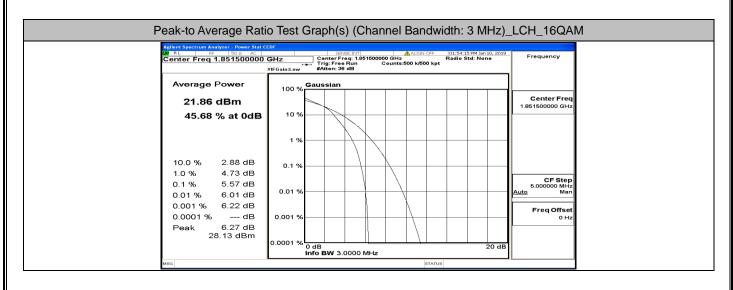


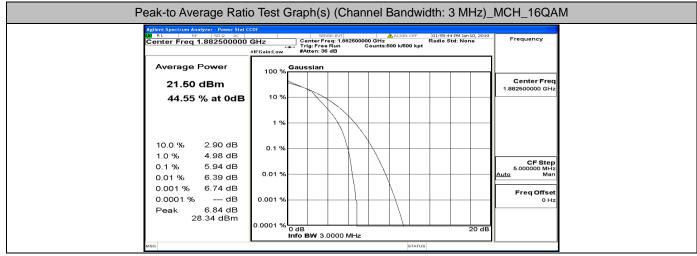


Peak-to Average Rat	io Test Graph(s) (Channel Bandwidth: 3 MHz	-
Center Freq 1.913500000		Frequency
23.00 dBm 52.80 % at 0dB	100 %	Center Freq 1.913500000 GHz
10.0 % 2.10 dB 1.0 % 3.37 dB	0.1 %	-
0.1 % 3.93 dB 0.01 % 4.25 dB 0.001 % 4.41 dB	0.01 %	CF Step 5.000000 MHz Auto Man
0.0001 % dB Peak 4.53 dB	0.0001 % 0 dB 20 dE	Freq Offset 0 Hz
мва	Info BW 3.0000 MHz	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 11 of 78

Report No.: LCS181225001AEG

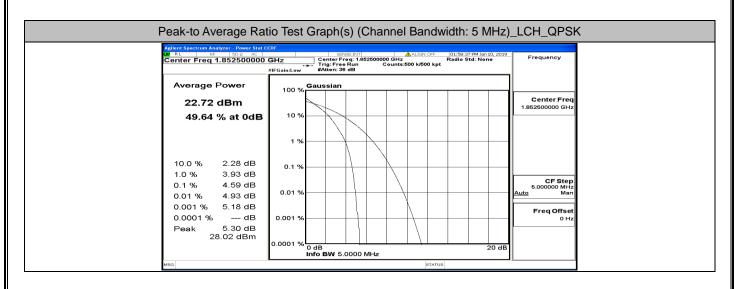


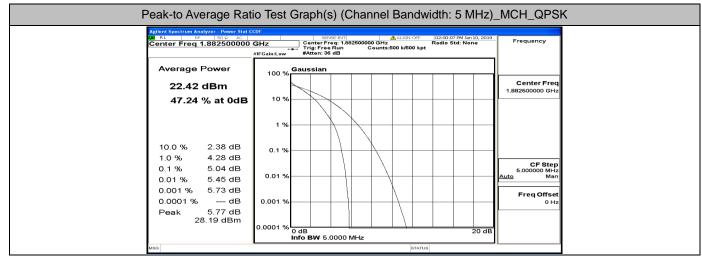


	o Test Graph(s) (Channel Bandwidth: 3 MHz)	HCH_16QAM
Aplent Spectrum Analyzer, Power Matt C 201 Rt. BF: 500 AC Center Freq 1.913500000	SENSE:INT ALIGN OFF 01:57:13 PM Jan 10, 2019	Frequency
Average Power 22.07 dBm	100 % Gaussian	Center Freq 1.91360000 GHz
48.93 % at 0dB	10%	
10.0 % 2.70 dB 1.0 % 4.05 dB	0.1 %	
0.1 % 4.70 dB 0.01 % 5.00 dB	0.01 %	CF Step 5.00000 MHz <u>Auto</u> Man
0.001 % 5.27 dB 0.0001 % dB Peak 5.40 dB 27.47 dBm	0.001 %	Freq Offset 0 Hz
27.47 dBm	0.0001 % 0 dB 20 dB 20 dB 20 dB 20 dB 20 dB	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 12 of 78

Report No.: LCS181225001AEG

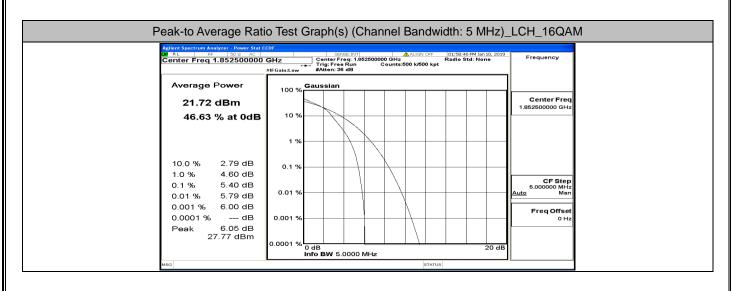


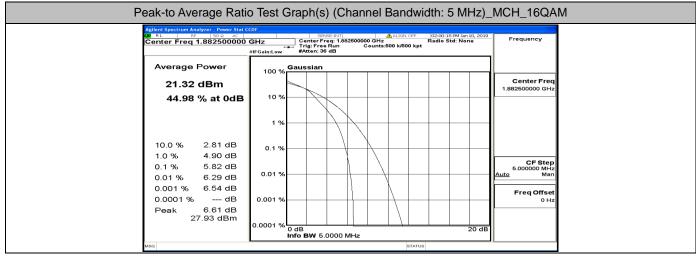


Agilent Spectrum Analyzer - Power Stat C		
Center Freq 1.912500000	#IFGain:Low #Atten:36 dB	Frequency
22.96 dBm 52.46 % at 0dB	100 %	Center Freq 1.912500000 GHz
10.0 % 2.14 dB 1.0 % 3.47 dB	0.1 %	
0.1 % 4.03 dB 0.01 % 4.30 dB 0.001 % 4.47 dB	0.01 %	CF Step 5.000000 MHz Auto Man
0.0001 % dB Peak 4.54 dB 27.50 dBm	0.0001 % 0 dB 20 dB	Freq Offset 0 Hz
MSG	Info BW 5.0000 MHz	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 13 of 78

Report No.: LCS181225001AEG

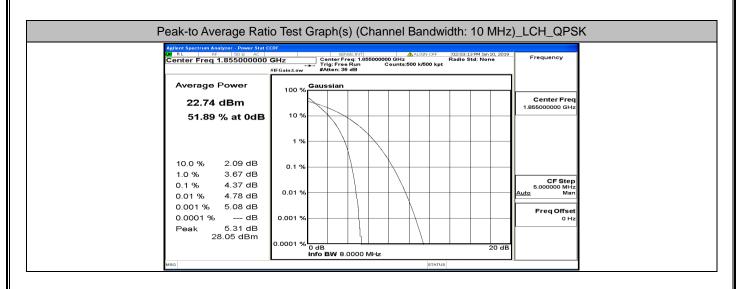


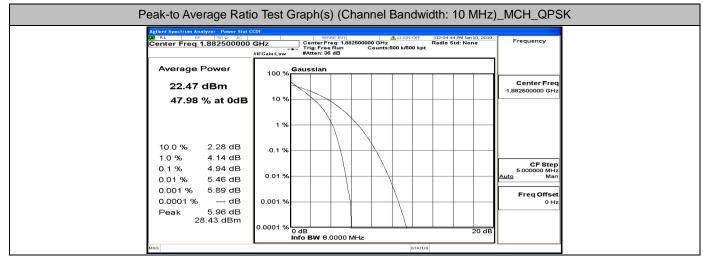


	o Test Graph(s) (Channel Bandwidth: 5 MHz)_	HCH_16QAM
Aplent Spectrum Analyzer, Dower Stat C 907 RL RF 500 AC Center Freq 1.912500000	SENSE: INT ALIGN OFF 02:01:46 PM Jan 10, 2019	Frequency
Average Power 22.15 dBm 48.95 % at 0dB	100 % Gaussian	Center Freq 1.912500000 GHz
10.0 % 2.69 dB	1 %	
1.0 % 4.12 dB 0.1 % 4.75 dB 0.01 % 5.08 dB 0.001 % 5.35 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man Freq Offset
0.0001 % dB Peak 5.44 dB 27.59 dBm	0.001 % 0.0001 % 0 dB 20 dB 20 dB	0 Hz
MSG	STATUS	au

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 14 of 78

Report No.: LCS181225001AEG

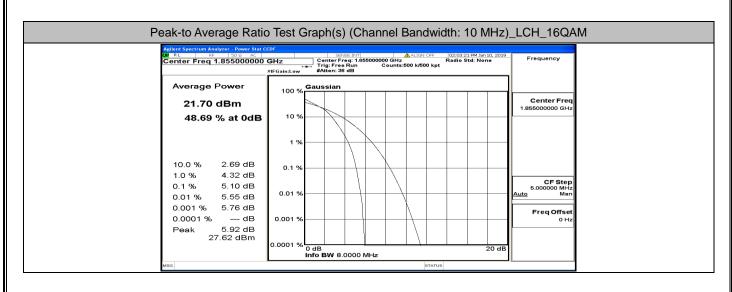


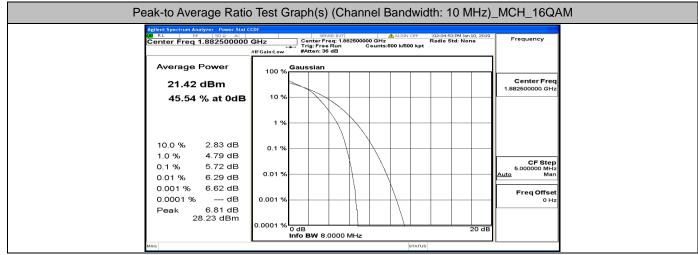


-	o Test Graph(s) (Channel Bandwidth: 10 MHz	z)_HCH_QPSK
Aplent Spectrum Analyzer: Power Stat ØR RL 0FF 500 AC Center Freq 1.910000000	GHz Center Freq: 1.910000000 GHz Radio Std: None Trig: Free Run Counts:500 k/500 kpt #IFGain:Low #Atten: 36 dB	Frequency
Average Power 23.11 dBm	100 % Gaussian	Center Freq 1.91000000 GHz
50.04 % at 0dB	1 %	
10.0 % 2.17 dB 1.0 % 3.77 dB	0.1 %	
0.1 % 4.44 dB 0.01 % 4.89 dB 0.001 % 5.12 dB	0.01 %	CF Step 5.000000 MHz - <u>Auto</u> Man
0.0001 % dB Peak 5.18 dB	0.001 %	FreqOffset - 0Hz
мва	0.0001 % 0 dB 20 dE Info BW 8.0000 MHz status	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 15 of 78

Report No.: LCS181225001AEG

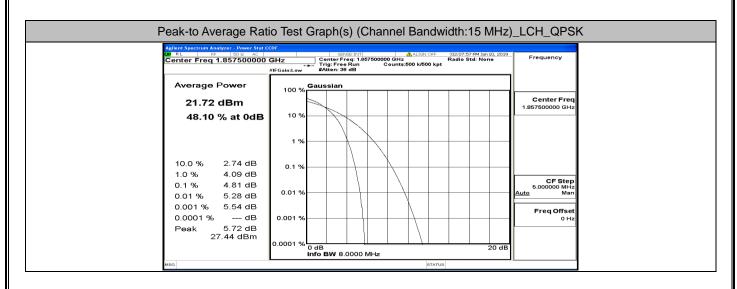


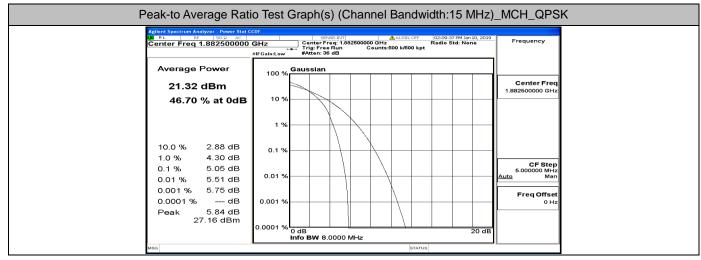


	o Test Graph(s) (Channel Bandwidth: 10 MHz)	
Center Freg 1.91000000		- Frequency
Average Power 22.01 dBm 47.32 % at 0dB	100 % Gaussian	Center Freq 1.910000000 GHz
47.52 % at 645	1 %	
10.0 % 2.79 dB 1.0 % 4.45 dB	0.1 %	
0.1 % 5.25 dB 0.01 % 5.75 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 5.98 dB 0.0001 % dB Peak 6.08 dB	0.001 %	Freq Offset 0 Hz
28.09 dBm	0.0001 % 0 dB 20 dB Info BW 8.0000 MHz	
MSG	STATUS	-

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 16 of 78

Report No.: LCS181225001AEG

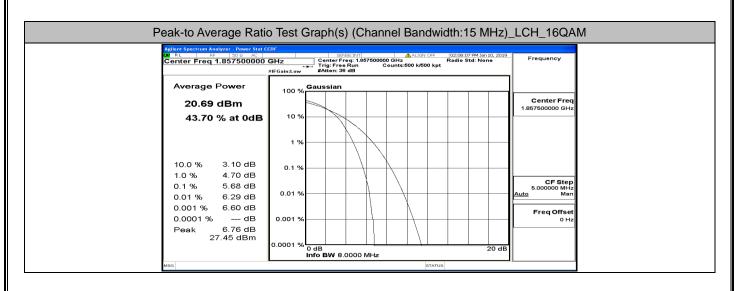


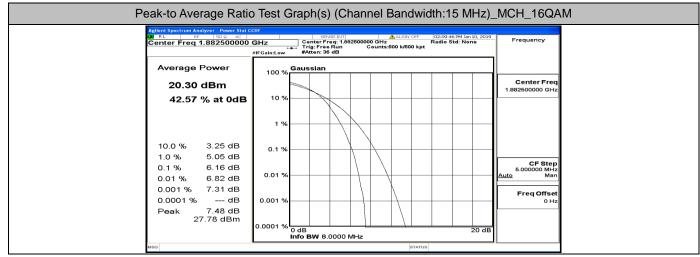


Agilent Spectrum Analyzer Power Stat C		
Center Freq 1.907500000 Average Power	#IFGain:Low #Atten: 8 dB	• Frequency
22.00 dBm 47.40 % at 0dB	100 %	Center Freq 1.907500000 GHz
10.0 % 2.84 dB 1.0 % 4.17 dB	0.1 %	CF Step
0.1 % 4.92 dB 0.01 % 5.36 dB 0.001 % 5.66 dB 0.0001 % dB	0.01 %	5.00000 MHz Auto Man Freq Offset
Peak 5.77 dB	0.001 % 0.001 % 0.000 MHz 20 d	
MSG	STATUS	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 17 of 78

Report No.: LCS181225001AEG

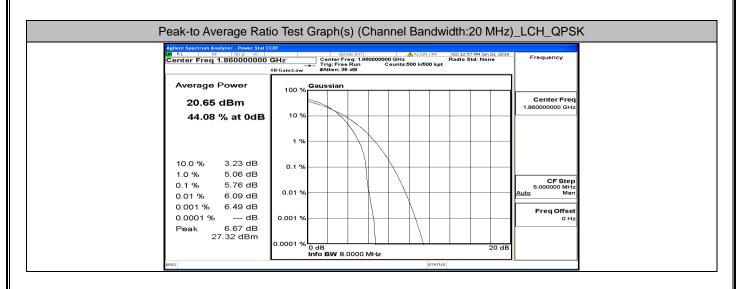


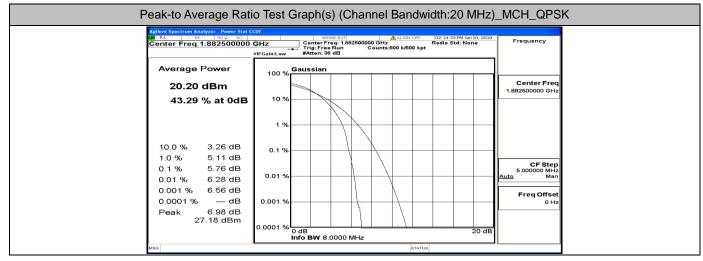


	o Test Graph(s) (Channel Bandwidth:15 MHz)	_HCH_16QAM
Aplend Spectrum Analyzer. Dower Stat C ₩ RL RF S00 AC Center Freq 1.907500000	SENSE:INT ALIGN OFF 02:11:27 PM Jan 10, 201	Frequency
Average Power 21.10 dBm	100 % Gaussian	Center Freq 1.907500000 GHz
42.98 % at 0dB	10%	
10.0 % 3.20 dB 1.0 % 4.91 dB	0.1 %	CF Step
0.1 % 5.93 dB 0.01 % 6.61 dB 0.001 % 7.04 dB	0.01 %	5.00000 MHz Auto Man Freq Offset
0.0001 % dB Peak 7.22 dB 28.32 dBm	0.001 %	0 Hz
мва	0.0001 % 0 dB 20 dE 10 for BW 8.0000 MHz 5747US	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 18 of 78

Report No.: LCS181225001AEG

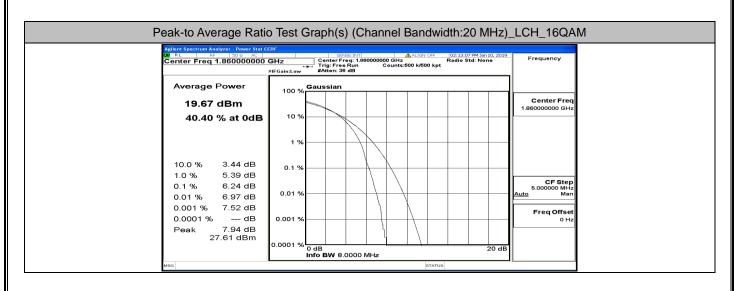


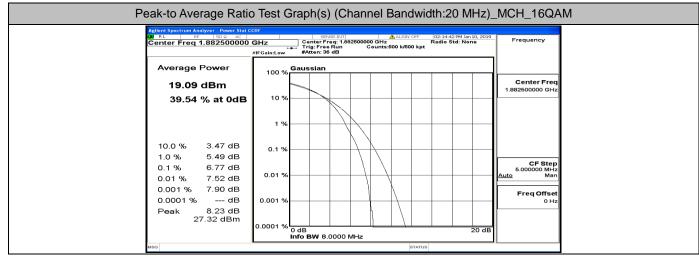


Agilent Spectrum Analyzer - Power Stat C		
	HFGain:Low #Atten: 36 dB	Frequency
Average Power 20.97 dBm 43.52 % at 0dB	100 % Gaussian	Center Freq 1.905000000 GHz
10.0 % 3.24 dB	1 %	
1.0 % 5.08 dB 0.1 % 5.73 dB 0.01 % 6.26 dB 0.001 % 6.51 dB	0.01 %	CF Step 5.00000 MHz <u>Auto</u> Man Freq Offset
0.0001 % dB Peak 6.59 dB 27.56 dBm	0.001 % 0.0001 % 0 dB Info BW 8.0000 MHz 20 dE	0 Hz
MSG	STATUS	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 19 of 78

Report No.: LCS181225001AEG





Peak-to Average Rati	o Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM
Aglent Spectrum Analyzer. Proves 3141 00 RL 6F 100 AC Center Freq 1.905000000	SENSE:INT ALIGN OFF 02:16:20 PM Jan 10, 20:	P Frequency
Average Power 19.97 dBm 39.82 % at 0dB	100 % Gaussian	Center Freq 1.90600000 GHz
	1 %	-
10.0 % 3.48 dB 1.0 % 5.43 dB 0.1 % 6.56 dB	0.1 %	CF Step 5.00000 MHz
0.01 % 7.30 dB 0.001 % 7.69 dB 0.0001 % dB	0.01 %	Freq Offset
Peak 8.10 dB	0.0001 % 0 dB 20 d	
мва	Info BW 8.0000 MHz	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 20 of 78

J.3 26dB Bandwidth and Occupied Bandwidth

	EBW & OBW Te	est Result (Channel Bandwidth: 1.4 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict			
		(MHz)	(MHz)				
	LCH	1.0774	1.246	PASS			
QPSK	MCH	1.0755	1.236	PASS			
	НСН	1.0853	1.623	PASS			
	LCH	1.0795	1.249	PASS			
16QAM	MCH	1.0780	1.253	PASS			
	НСН	1.0804	1.308	PASS			

	EBW & OBW T	3W Test Result (Channel Bandwidth: 3 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict			
wouldton	Ghannei	(MHz)	(MHz)	Verdict			
	LCH	2.6835	2.898	PASS			
QPSK	MCH	2.6830	2.900	PASS			
	НСН	2.6920	3.098	PASS			
	LCH	2.6871	2.894	PASS			
16QAM	MCH	2.6832	2.899	PASS			
	НСН	2.6941	2.933	PASS			

	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
MODULATION	Channel	(MHz)	(MHz)	Verdict
	LCH	4.4810	4.818	PASS
QPSK	MCH	4.4762	4.819	PASS
	НСН	4.4790	4.850	PASS
	LCH	4.4811	4.785	PASS
16QAM	MCH	4.4729	4.844	PASS
	НСН	4.4864	4.871	PASS

	EBW & OBW Te	est Result (Channel Band	dwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Ghannei	(MHz)	(MHz)	verdict
	LCH	8.9262	9.716	PASS
QPSK	MCH	8.9477	9.480	PASS
	HCH	8.9219	9.509	PASS
	LCH	8.9211	9.519	PASS
16QAM	MCH	8.9339	9.445	PASS
	НСН	8.9305	9.477	PASS

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 21 of 78

Report No.: LCS181225001AEG

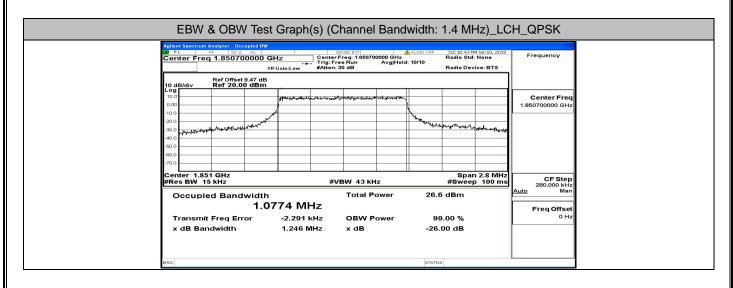
	EBW & OBW Te	est Result (Channel Band	width: 15 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Channel	(MHz)	(MHz)	Verdict
	LCH	13.403	17.90	PASS
QPSK	MCH	13.413	14.04	PASS
	НСН	13.383	14.07	PASS
	LCH	13.397	17.45	PASS
16QAM	MCH	13.410	14.10	PASS
	НСН	13.377	14.04	PASS

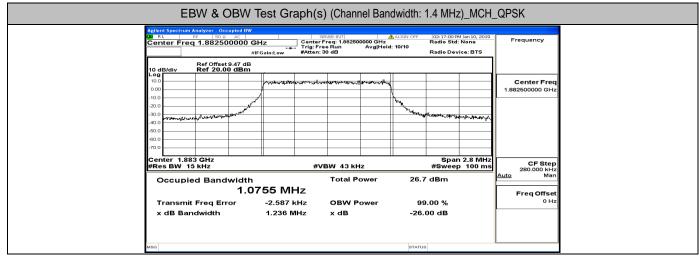
	EBW & OBW Te	est Result (Channel Band	lwidth: 20 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	17.840	21.05	PASS
QPSK	MCH	17.866	18.65	PASS
	HCH	17.796	18.57	PASS
	LCH	17.832	18.80	PASS
16QAM	MCH	17.849	18.60	PASS
	НСН	17.798	18.58	PASS

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 22 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



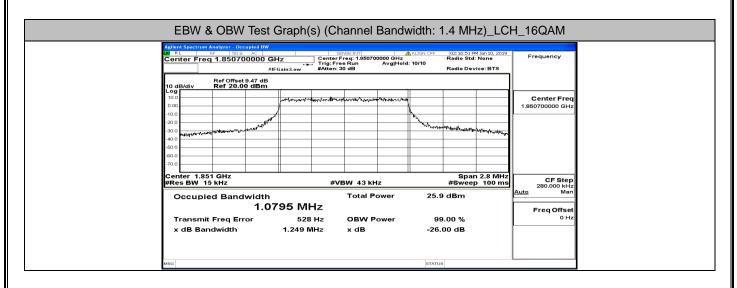


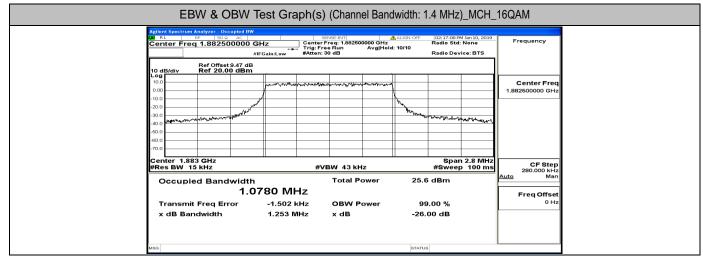
Agilent		Analyzer - Oc RF 50 G		_	SE	VSE:INT		ALIGN OFF	02:17:19 Pf	M Jan 10, 2019	_QPSK
Cent		q 1.9143	00000 GH #IFI	lz Gain:Low	Center F Trig: Fre #Atten: 3	req: 1.91430 9 Run	0000 GHz Avg Hold		Radio Std: Radio Dev	None	Frequency
10 dE Log	3/div	Ref Offse Ref 20.0	t9.54 dB 00 dBm								
10.0				and the second s	artina a subsection and a subsection of the subsection of the subsection of the subsection of the subsection of	hallansan					Center Free 1.914300000 GH
-10.0 -20.0 -30.0	ngaarafilika adalah	genet and have	RES, NUMBER OF BUT					Margare Const	d.y. water fr	to the state of th	
-40.0 -50.0											
-60.0 -70.0											
	ter 1.91 5 BW 1				#VE	3W 43 KH	z			n 2.8 MHz p 100 ms	CF Ster 280.000 kH
0	ccupi	ed Banc		53 MI	Ηz	Total Po	ower	27.1	dBm		Auto Mar Freq Offse
		t Freq Er ndwidth	ror	-5.116 1.623 M		OBW P x dB	ower		00 % 00 dB		он
MSG								STATUS	•		

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 23 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



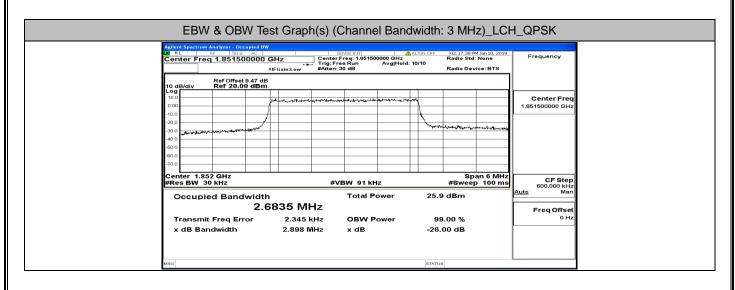


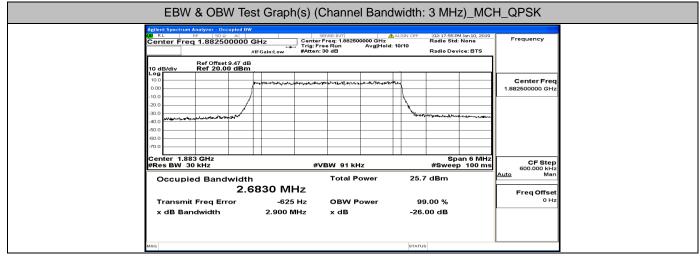
Rt BY DOD AC BENELITIT Call 100000 Center Center Distribution Center Center <th>Agilent Spectrum Analyzer - Occupied BW</th> <th> , ,</th> <th></th> <th>dwidth: 1.4 MHz)_HCH</th> <th></th>	Agilent Spectrum Analyzer - Occupied BW	, ,		dwidth: 1.4 MHz)_HCH				
100 100 <td colspan="8">Trig: Free Run Avg Hold: 10/10 #FGain:Low #Atten: 30 dB Radio Device: BTS Ref Offset 9.54 dB Ref 20.00 dBm</td>	Trig: Free Run Avg Hold: 10/10 #FGain:Low #Atten: 30 dB Radio Device: BTS Ref Offset 9.54 dB Ref 20.00 dBm							
Center 1.914 GHz Span 2.8 MHz #Res BW 15 kHz #VBW 43 kHz Øccupied Bandwidth Total Power 1.0804 MHz Transmit Freq Error -2.109 kHz OBW Power 99.00 %	10.0 0.00 -20.	Andyest The generation of the second se	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1.914300000 GHz			
Transmit Freq Error -2.109 kHz OBW Power 99.00 %	Center 1.914 GHz #Res BW 15 kHz Occupied Bandwidth			#Sweep 100 n	Auto CF Step 280.000 kHz Auto Man			
	Transmit Freq Error	-2.109 kHz						

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 24 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



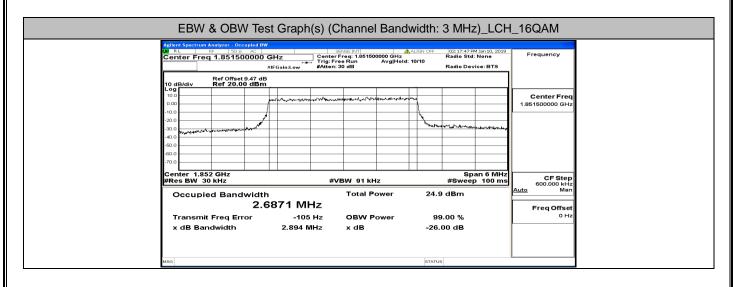


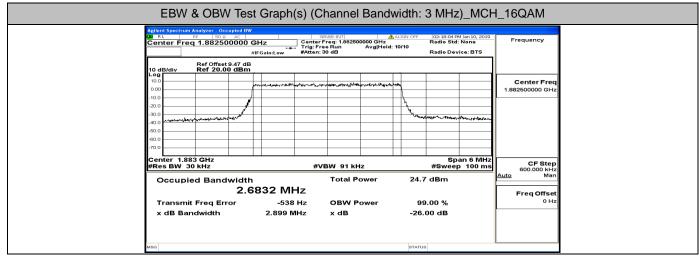
		eq: 1.913500000 GHz Run Avg Hold: 10/	GN OFF 02:18:14 PM Jan 10, 2019 Radio Std: None 10 Radio Device: BTS	Frequency
Ref Offset 9.64 dB Log Ref Offset 9.64 dB Log Ref 20.00 dBm 0.00	er gelen solger Terriel, Remote relation of	nga phag tan tan paga ta	Anne and the Annual Processing of the Annual P	Center Freq 1.913500000 GHz
Center 1.914 GHz #Res BW 30 kHz Occupied Bandwidth		W 91 kHz Total Power	Span 6 MHz #Sweep 100 ms 26.2 dBm	
2.69 Transmit Freq Error x dB Bandwidth		OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 25 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



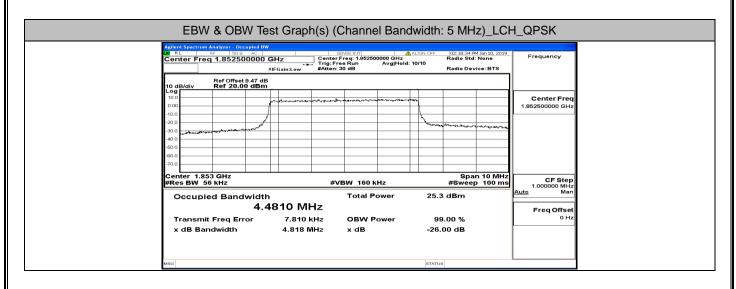


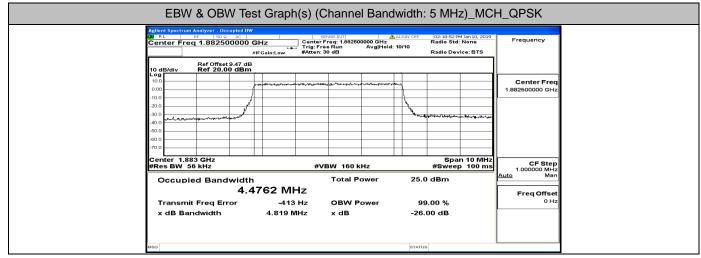
		ENSE:INT AL	.IGN OFF	02:18:23 PM Jan J Radio Std: Non	0, 2019 Freque	ency
Center Freq 1.313500000	#IFGain:Low #Atten:	e Run Avg Hold: 10	0/10	Radio Device: E		
Ref Offset 9.54 de 10 dB/div Ref 20.00 dBm						
10.0	manytherington	Mmarthusenwoon attranger			Cent	ter Freq
-10.0			۱.		1.913500	000 GHz
-20.0 manutaly manuar and			Providence in		way	
-30.0						
-50.0						
-70.0						
Center 1.914 GHz #Res BW 30 kHz	#14	BW 91 kHz		Span 6 #Sweep 10	0	CF Step
Occupied Bandwidt		Total Power	25.3	dBm	Auto 600	.000 kHz Man
	 6941 MHz	rotari onor	2010	abiii	Eror	q Offset
Transmit Freq Error	-7.066 kHz	OBW Power	99	.00 %	Free	0 Hz
x dB Bandwidth	2.933 MHz	x dB	-26.	00 dB		

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 26 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



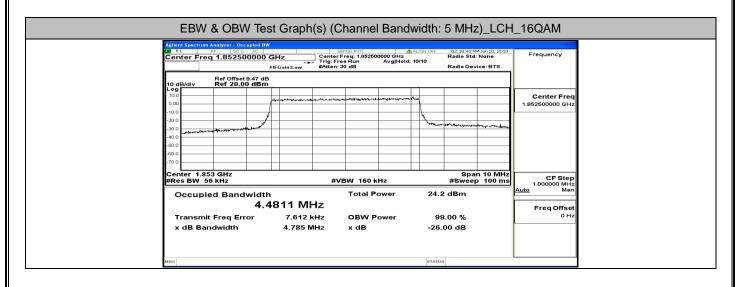


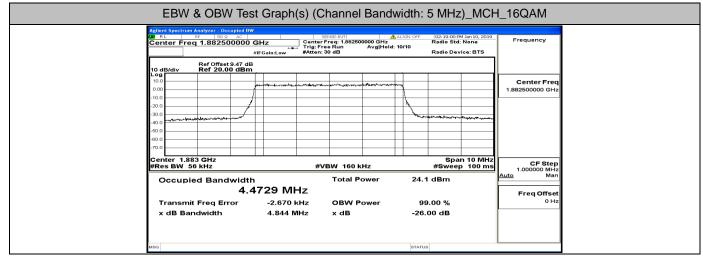
22 RL RF 50 Ω AC Center Freq 1.912500000 C		Freq: 1.912500000 GHz ee Run Avg Hold: 1	LIGN OFF 02:19:10 PM Jan 10, Radio Std: None 0/10 Radio Device: B1	Frequency
Ref Offset 9.54 dB Log Ref 20.00 dBm 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Center Fre 1.912500000 GH
-30.0 -40.0 -50.0 -70.0				
Center 1.913 GHz #Res BW 56 kHz Occupied Bandwidth		BW 160 kHz	Span 10 I #Sweep 100 25.5 dBm	
4.4	790 MHz			Freq Offset
Transmit Freq Error x dB Bandwidth	-8.801 kHz 4.850 MHz	OBW Power x dB	99.00 % -26.00 dB	0 112

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 27 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



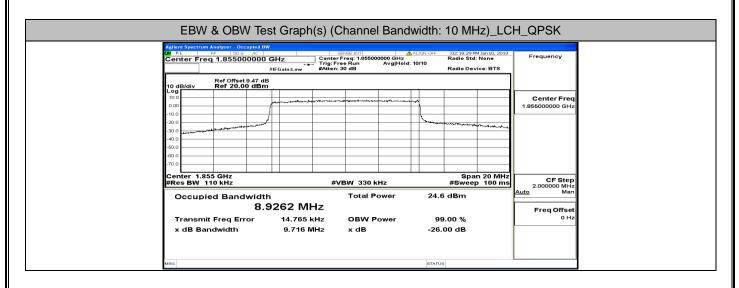


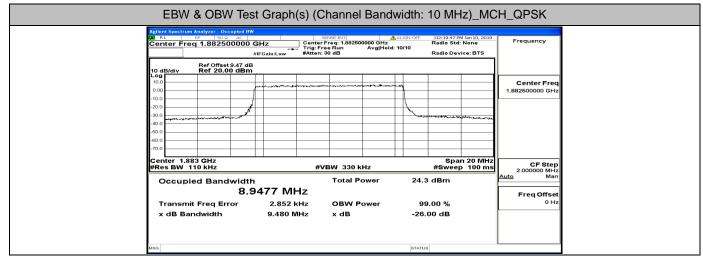
Center Freq 1.912500000	GHz	SENSE:INT Center Freq: 1.91250 Trig: Free Run #Atten: 30 dB	ALIG 0000 GHz Avg Hold: 10/1	0	02:19:19 PM Jan : Radio Std: Non Radio Device: I	e	Frequency
Ref Offset 9.54 d 10 dB/div Ref 20.00 dB	iB						
10.0 0.00	provention of the second	งจอกาสแตการิกรามสี สระบารได้กระจะการสูง	annound the second				Center Freq 1.912500000 GHz
-10.0 -20.0 -30.0	w			•	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-40.0							
-60.0							
Center 1.913 GHz #Res BW 56 kHz		#VBW 160 k	Hz		Span 10 #Sweep 10		CF Step 1.000000 MHz
Occupied Bandwid 4	th .4864 MH	Total Po Z	ower	24.5	dBm	I	Auto Man Freq Offset
Transmit Freq Error x dB Bandwidth	-12.582 kl 4.871 Mi		ower	99. -26.0	00 %		0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 28 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



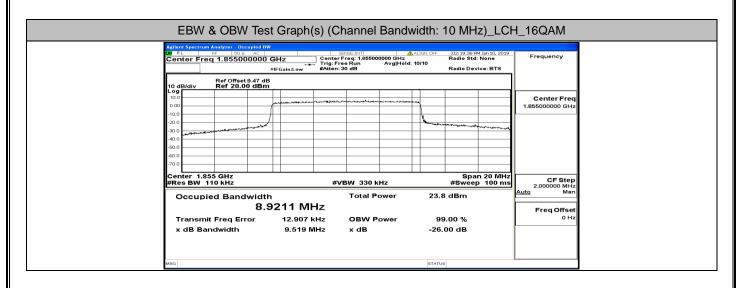


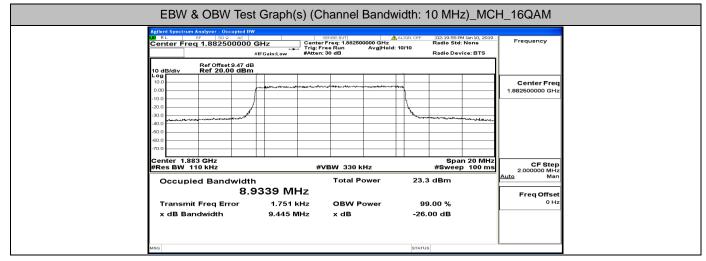
Agilent Spectrum Analyzer - Occupied BV WRL RF 50 Q AC Center Freq 1.910000000	GHz	SENSE:INT Center Freq: 1.91000 Trig: Free Run #Atten: 30 dB		IGN OFF	02:20:05 PM Radio Std: Radio Devi		Frequency
Ref Offset 9.54 dt 10 dB/div Ref 20.00 dBn 10 dB/div 10 dB/di 10 dB/div 10 dB/div 10 dB/div 10 dB/div	•		5-41-10-10-10-10-10-10-10-10-10-10-10-10-10				Center Fred 1.910000000 GH:
-20.0 -30.0 -40.0 -50.0 -60.0 -70.0				hour	nann an the second	n an	
Center 1.91 GHz #Res BW 110 kHz Occupied Bandwidt	h 9219 MH	#VBW 330 k Total Po Z		25.0		n 20 MHz 100 ms	CF Step 2.000000 MHz <u>Auto</u> Man Freq Offset
Transmit Freq Error x dB Bandwidth	-17.354 kH 9.509 MH		ower		.00 % 00 dB		0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 29 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



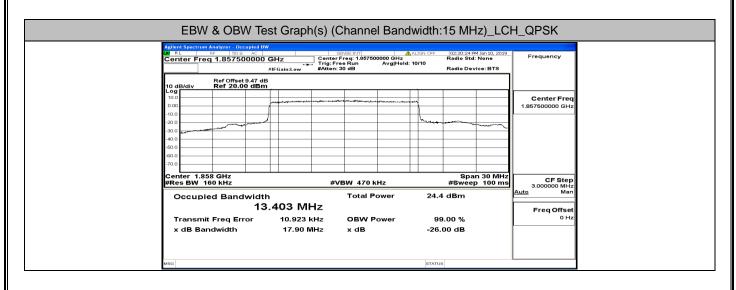


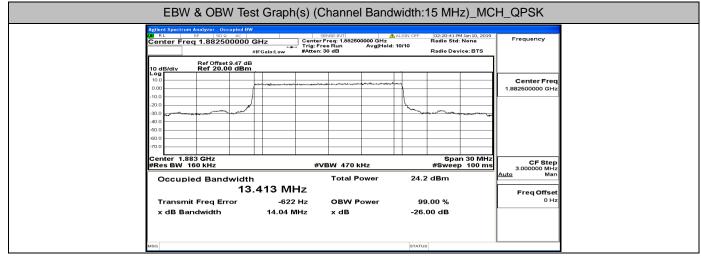
X RL RF 50 Ω AC Center Freq 1.910000000	GHz f	SENSE:INT enter Freq: 1.910000000 GHz rig: Free Run Avg Hol Atten: 30 dB		Frequency	
Ref Offset 9.54 c	1B	atten. 30 dB	Hau	io Device: BTS	
10.0 0.00	provenant of the second	Muyitiyaanaa Maqaya, waxaa kaasaa Mu Isgaalaa kuudaa.			Center Freq 1.910000000 GHz
-10.0 -20.0 -30.0			havenanders	and the second	
-40.0 -50.0 -60.0					
Center 1.91 GHz #Res BW 110 kHz		#VBW 330 kHz		Span 20 MHz weep 100 ms	CF Step 2.000000 MHz
Occupied Bandwid	th .9305 MHz	Total Power	24.1 dB	m	Auto Man Freq Offset
Transmit Freq Error x dB Bandwidth	-23.757 kHz 9.477 MHz	OBW Power	99.00 -26.00 d		0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 30 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



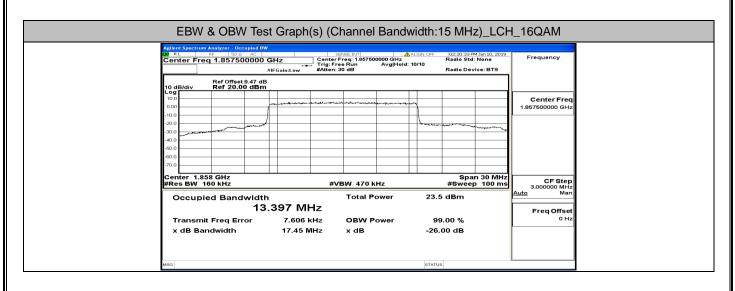


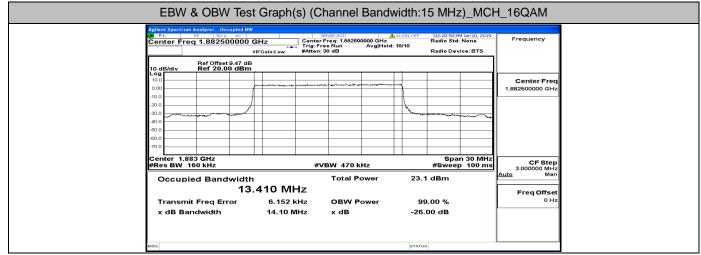
(X RL RF 50 Ω AC Center Freq 1.907500000		Freq: 1.907500000 GHz ee Run Avg Hold:	ALIGN OFF 02:21:00 PM Jar Radio Std: No 10/10 Radio Device:	ne Frequency
Ref Offset 9.6.4 of dBr Log Ref Offset 9.6.4 of dBr 10.0				Center Free 1.907500000 GH
Center 1.908 GHz #Res BW 160 kHz Occupied Bandwidt		/BW 470 kHz Total Power	Span 3 #Sweep 1 24.8 dBm	0 MHz 00 ms 3.000000 MHz <u>Auto</u> Man
	.383 MHz -22.193 kHz	OBW Power	99.00 %	Freq Offset 0 Hz
x dB Bandwidth	14.07 MHz	x dB	-26.00 dB	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 31 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



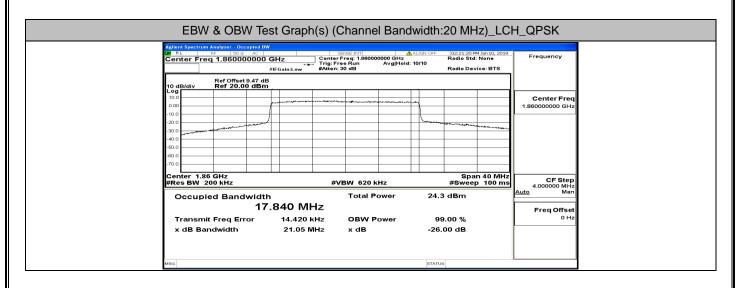


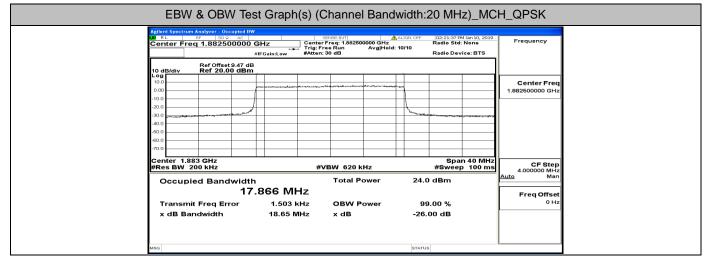
Aglient Spectrum Analyzer - Occupied BW RL RF 500 AC Center Freq 1.907500000 0 Ref Offset 9.54 dB	GHz Cente #IFGain:Low #Atten	Freq: 1.907500000 GHz ree Run Avg Hold:	ALIGN OFF 02:21:09 PM J Radio Std: N 10/10 Radio Devic	lone Frequency
10 dB/div Ref 20.00 dBm 100 Ref 20.00 dBm 100				Center Free
Center 1.908 GHz #Res BW 160 kHz Occupied Bandwidth 13		VBW 470 kHz Total Power	Span #Sweep 23.9 dBm	Auto Mar
Transmit Freq Error x dB Bandwidth	-25.038 kHz 14.04 MHz	OBW Power x dB	99.00 % -26.00 dB	0 H:

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 32 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



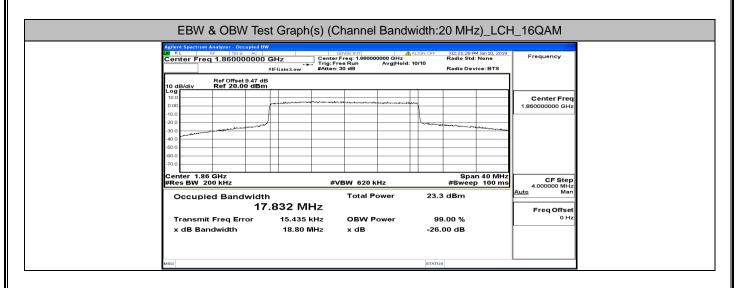


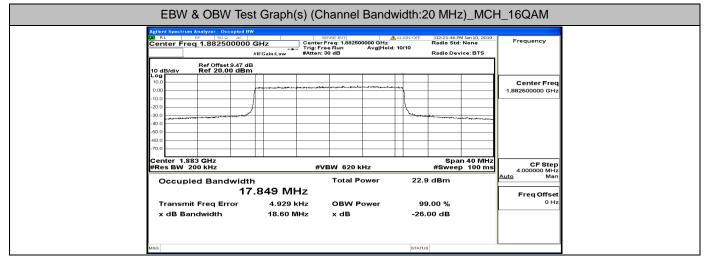
Ilent Spectrum Analyzer - Occupied INV 								
Center Freq 1.90500000	#IFGain:Low #Atten:	eeRun Avg Hold:		Frequency				
Ref Offset 9.54 of 10 dB/div Ref 20.00 dB								
Log 10.0	name and man or radio range and an or radio are		h ang	Center Freq				
-10.0				1.90500000 GH2				
-20.0								
-40.0								
-60.0				-				
Center 1.905 GHz			Span 40 MH	z				
#Res BW 200 kHz	#\	'BW 620 kHz	#Sweep 100 m	S CF Step 4.000000 MHz Auto Man				
Occupied Bandwid		Total Power	24.5 dBm	Auto Mari				
-	7.796 MHz			Freq Offset 0 Hz				
Transmit Freq Error x dB Bandwidth	-26.764 kHz 18.57 MHz	OBW Power x dB	99.00 % -26.00 dB	0 H2				

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 33 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG

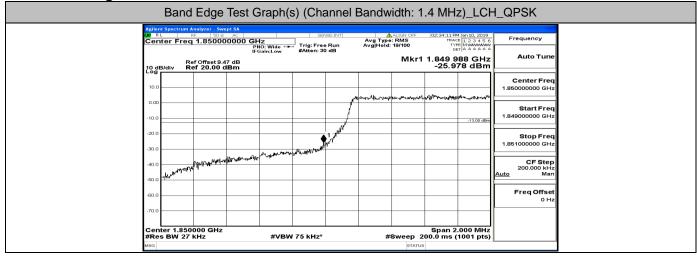


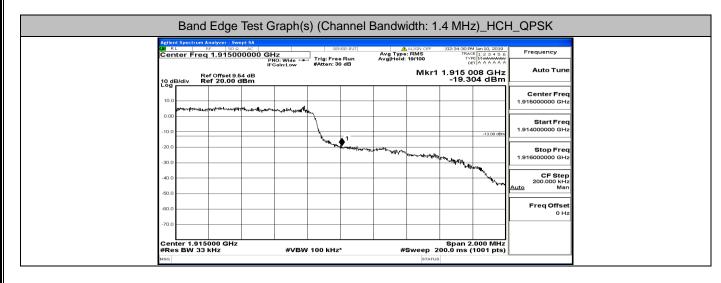


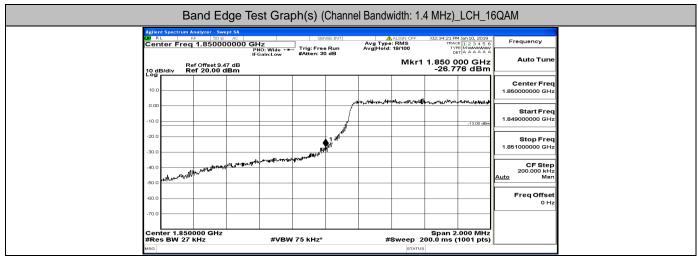
Agilent Spectrum Analyzer - Occupied B M RL RF 50 Q AC Center Freq 1.905000000		Freq: 1.905000000 GHz	Radio Std	M Jan 10, 2019 : None	Frequency
Ref Offset 9.54 dl	#IFGain:Low #Atten: B	30 dB	Radio Dev	rice: BTS	
		419 49712 4982 (10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	•		Center Freq 1.905000000 GHz
-10.0					
-30.0 -40.0 -50.0			The first of an and a second		
-60.0					
Center 1.905 GHz #Res BW 200 kHz	#\	'BW 620 kHz	Spa #Swee	n 40 MHz p 100 ms	CF Step 4.000000 MHz
Occupied Bandwidt	^h 7.798 MHz	Total Power	23.6 dBm		Auto Man Freg Offset
Transmit Freq Error x dB Bandwidth	-28.715 kHz 18.58 MHz	OBW Power x dB	99.00 % -26.00 dB		0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 34 of 78

J.4 Band Edge



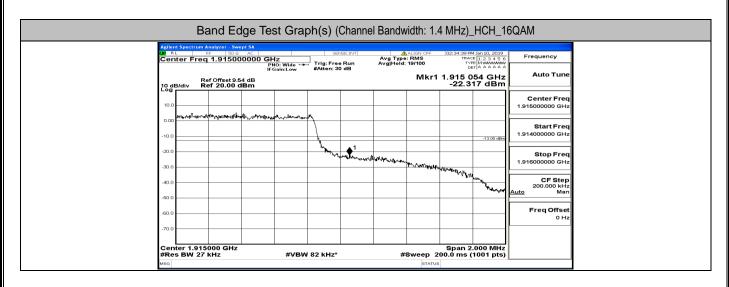


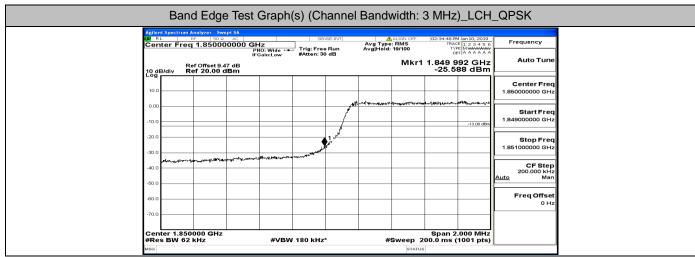


This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 35 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



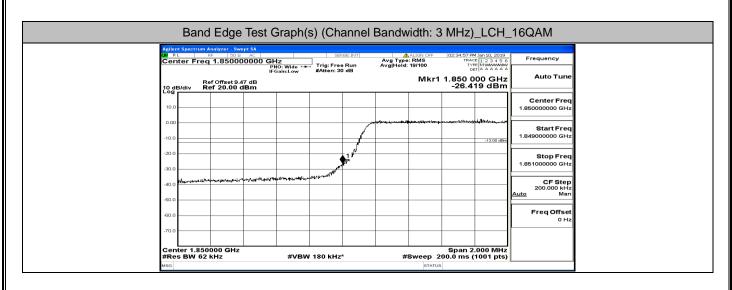


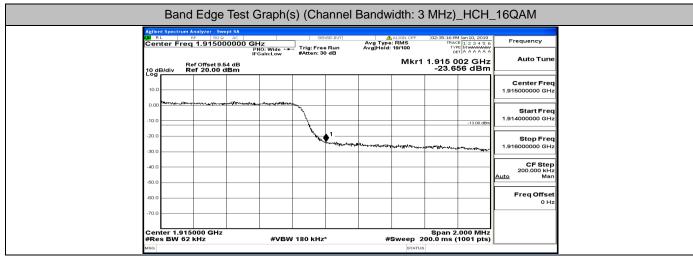
Center Freq 1.915000000 GHz (FGainLow) Trig: Free Run (FGainLow) Avg Type: RMS Avg Hold: 19/000 Trig: [12:3:4:5:0 (12:0:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1	Center Freq 1.915000000 GHz IFGainLow Trig: Free Run BAtten: 30 dB Avg Type: RMS AvgIHold: 19100 Trig: [12:3:4:5:6] FreqUency 0 dB/div Ref Offset 9.64 dB 0.00 Mkr1 1.915 014 GHz -20.261 dBm Auto Tune 0 dB/div Ref 20.00 dBm 0.00 Mkr1 1.915 014 GHz -20.261 dBm Auto Tune 10 0 0.00 1.91500000 GHz 1.91500000 GHz 10 0 0.00 1.91500000 GHz 1.91500000 GHz 20 0 1 .1300 dBH 1.91600000 GHz 20 0 1 .1300 dBH .1300 dBH 20 000 KHz .1300 dBH .1			n Analyzer - S									
Ref Offset 9.54 dB Auto Tune 10 gB/dlv Ref 20.00 dBm -20.261 dBm 10 g	Ref Offset 9.54 dB Auto Tune 10 gB/dlv Ref 20.00 dBm -20.261 dBm -20 gB/dlv Ref 20.20 dBm -20.261				000000 G	NO: Wide 🔸	Trig: Fre	e Run	Avg Type:	RMS	02:35:07 PM TRACI TYP DE	Jan 10, 2019 1 2 3 4 5 6 MWWWWW A A A A A A	Frequency
10.0 Center Freq 10.0 Image: Center Freq 1.01500000 GHz Image: Center Freq 1.0150000 GHz Image: Center Freq 1.0150000 GHz Image: Center Freq 1.0150000 GHz Image: Center Freq 1.015000	10.0 Center Freq 10.0 Center Freq <td>10 d</td> <td>B/div</td> <td></td> <td>9.54 dB</td> <td>Gain:Low</td> <td>whiten: 3</td> <td>0 48</td> <td></td> <td>Mkr1</td> <td>1.915 0</td> <td>14 GHz</td> <td>A</td>	10 d	B/div		9.54 dB	Gain:Low	whiten: 3	0 48		Mkr1	1.915 0	14 GHz	A
U.00 Start Freq 100 -1300 dbs -200 -1300 dbs -300 -1300 dbs -400 -1300 dbs -400 dbs -1300	0.00	_											
100 100 100 100 -00 -00 -00 -00 -000 -00 -00 -00 -000 -00 -00 -00 -000 -00 -00 -00 -000 -00 -00 -00 -000 -00 -00 -00 -000 -00 -00 -00	100 1 1300 mm -200 -1000 mm -1000 mm -300 -1000 mm -1000 mm -300 -1000 mm -1000 mm -300 -1000 mm -1000 mm -400 -1000 mm -1000 mm -400 mm -1000	0.00	ANT MARKA	ngota para sita yana da	the the share was an	****	and the second sec						Start Freq
	30.0 30.0 Stop Freq 1.91600000 GHz -40.0 -	-10.0						▲ 1				-13.00 dBm	1.914000000 GHz
300	300	-20.0					معمر	. Anter manuter	BALLING MARINE	teer maker you with the	ajument of the state	····	
Auto Auto Auto Man -60.0	Image: No.0 Imag	-30.0											
-60.0 FreqOffset 0 Hz	-60.0												200.000 kHz
0 Hz	-70.0												Freq Offset
													0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 36 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



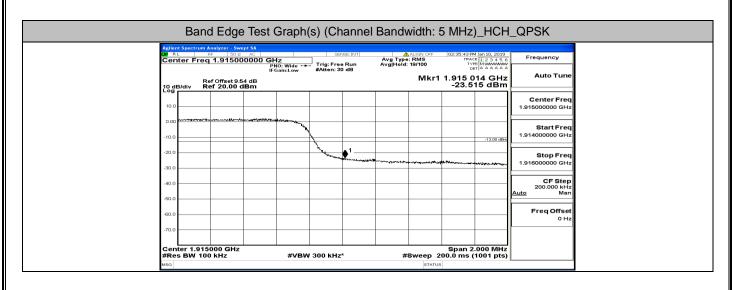


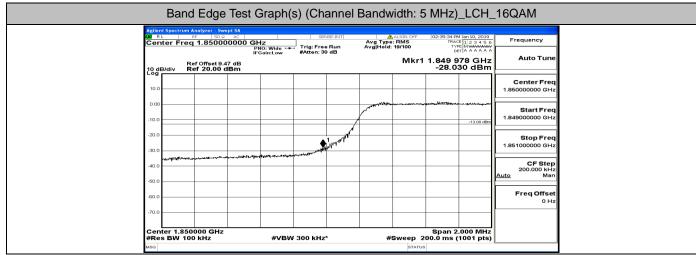
Agilent Spectrum	RF 50 Ω			SEN	SE:INT		ALIGN OFF	02-25-25 04	1 Jan 10, 2019	
Center Fre		0000 GH	O: Wide	Trig: Free	Run	Avg Typ Avg Hold	ERMS	TRAC TYP	E 1 2 3 4 5 6 E MWWWW T A A A A A A	Frequency
10 dB/div	Ref Offset 9.47 Ref 20.00 d	7 dB	ain:Low	#Atten: 30) dB		Mkr1	1.849 9	96 GHz 51 dBm	Auto Tune
10.0										Center Freq 1.85000000 GHz
0.00						And Mar Mar Mar	ar the second the	1803.780.050ft-12.809	where warden at a	Start Freq 1.849000000 GHz
-10.0					1				-13.00 dBm	Stop Freq
-30.0	p.o. water all all and			and the second	Linger					1.851000000 GHz
-40.0										CF Step 200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
-70.0										

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 37 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



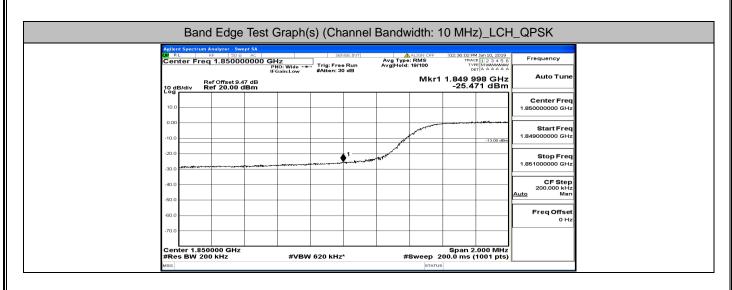


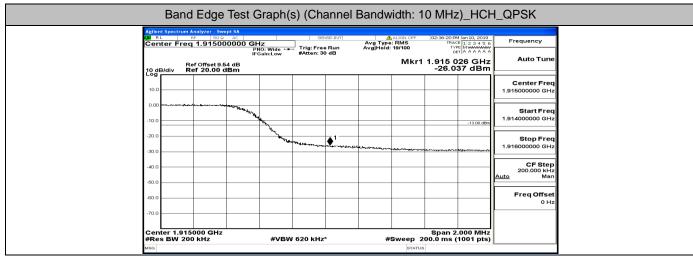
Agilent Spectr	rum Analyzer - S			SEI	NSE:INT	4	ALIGN OFF	02:35:52 PM	Jan 10, 2019	_
Center F		000000 GH	O: Wide		e Run	Avg Type Avg Hold:	RMS	TRACE		Frequency
10 dB/div	Ref Offsets Ref 20.00	9.54 dB	iain:Low	#Atten: 3	o ab		Mkr1	1.915 0		Auto Tune
10.0										Center Freq 1.915000000 GHz
0.00 5444454	rumparat. 18 to 80 to 90 au		and and a full							Start Freq
-10.0				h					-13.00 dBm	1.914000000 GHz
-20.0				No Antonio	1 Magazyata		e*****~~~	etarally of a stated	***	Stop Freq 1.916000000 GHz
-40.0										CF Step 200.000 kHz Auto Man
-60.0										
-60.0										Freq Offset 0 Hz
-70.0										

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 38 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG



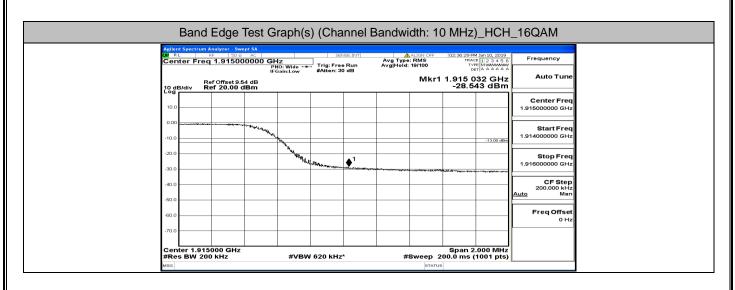


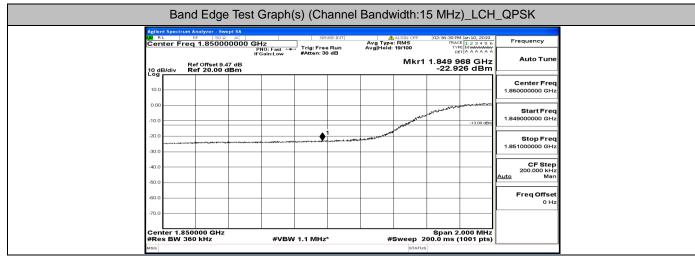
Agilent Spectrum Analyzer - Swe		VSE:INT ALIGN OFF	02:36:11 PM Jan 10, 2019	
Center Freq 1.85000		Avg Type: RMS Run Avg Hold: 19/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET A A A A A A	Frequency
Ref Offset 9.4 10 dB/div Ref 20.00 d	17 dB		1.849 968 GHz -27.541 dBm	Auto Tune
10.0				Center Freq 1.85000000 GHz
-10.0				Start Freq 1.849000000 GHz
-20.0			-13.00 dBm	Stop Freq
-30.0		ann marian areas		1.851000000 GHz
-40.0				CF Step 200.000 kHz <u>Auto</u> Man
-60.0				Freq Offset 0 Hz
-70.0				

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 39 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG





LXI RL	trum Analyzer - Sw RF 50 S	2 AC		SEI	NSE:INT	4	ALIGN OFF	02:36:57 PM	1 Jan 10, 2019	Frequency
Center F	Freq 1.9150	Р	NO: Fast	Trig: Free #Atten: 30	e Run	Avg Type Avg Hold:	: RMS 19/100	TRAC	E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 dB/div	Ref Offset 9. Ref 20.00	54 dB	Sain:Low	#Atten: 5	0 48		Mkr1	1.915 0	10 GHz 55 dBm	Auto Tune
										Center Freq
10.0										1.915000000 GHz
0.00										Start Freq
-10.0		warman a							-13.00 dBm	1.914000000 GHz
-20.0		Wax may			L					Stop Freq
-30.0			AND COLORIAN CONTRACTOR	-strasterrater-and	•					1.916000000 GHz
										CF Step
-40.0										200.000 kHz Auto Man
-60.0										
+60.0										Freq Offset 0 Hz
-70.0										
		1		1		1				

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 40 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG

LXI RL		50 Q AC		SEI	VSE:INT		ALIGN OFF	02:36:48 PM	4 Jan 10, 2019	Frequency
Center	Freq 1.85	0000000 0	PNO: East	. Trig: Fre	Run	Avg Type Avg Hold:	: RMS 19/100	TRAC		Frequency
10 dB/div	Ref Offse Ref 20.	et 9.47 dB 00 dBm	IFGain:Low	#Atten: 3	0 dB		Mkr1	1.849 9	188 GHz 90 dBm	Auto Tune
10.0										Center Freq 1.85000000 GHz
-10.0								Constanting and the second	-13.00 dBm	Start Freq 1.849000000 GHz
-20.0					1	an and the second	and the second se			Stop Freq 1.851000000 GHz
-30.0										CF Step
-60.0										200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
-70.0										

_		d Edge		Graph(s) (Ch	annel	Bandw	idth:15	5 MHz)	_HCH_	_16QAM
LXI RL		RF 50 s eq 1.9150	2 AC 00000 G	Hz PNO: Fast ↔ -Gain:Low		ense:INT ee Run 30 dB	Avg Type Avg Hold	ALIGN OFF RMS 19/100	02:37:06 PM TRAC TYP De	1 Jan 10, 2019 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
	div	Ref Offset 9 Ref 20.00	54 dB dBm					Mkr1	1.915 0 -30.0	16 GHz 96 dBm	Auto Tune
10.0											Center Freq 1.915000000 GHz
-10.0		and the second sec	No.							-13.00 dBm	Start Freq 1.914000000 GHz
-20.0				Marine war		● ¹					Stop Freq 1.916000000 GHz
-40.0									***********		CF Step 200.000 kHz Auto Man
-60.0											Freq Offset 0 Hz
-70.0		_									L
		15000 GHz 100 kHz		#VBV	V 910 KH	z*	#	Sweep 2	00.0 ms (000 MHz 1001 pts)	

Agilent Spectrum Analyzer - Swe LXI RL RF 50 Ω	AC SENSE:INT	ALIGN OFF 02:37:15 PM Jan 10, 2019	Frequency
Center Freq 1.85000	0000 GHz PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: RMS Avg Hold: 19/100 DET A A A A A	Frequency
Ref Offset 9.4 10 dB/div Ref 20.00 d	7 dB	Mkr1 1.849 998 GHz -23.702 dBm	Auto Tune
10.0			Center Freq 1.85000000 GHz
0.00			Start Freq
-10.0		-13.00 dBr	Stop Freq
-30.0			1.851000000 GHz
-40.0			CF Step 200.000 kHz <u>Auto</u> Man
-60.0			Freq Offset
-70.0			

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 41 of 78

FCC ID: 2AJMSP500

Report No.: LCS181225001AEG

Agilent Spectrum Analyzer - Sw		INT ALIGN OFF	02:37:34 PM Jan 10, 2019	
Center Freq 1.9150		Avg Type: RMS un Avg Hold: 19/100	TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET A A A A A A	Frequency
Ref Offset 9.1 10 dB/div Ref 20.00	IFGain:Low #Atten: 30 o		1.915 034 GHz -28.644 dBm	Auto Tune
10.0				Center Freq 1.915000000 GHz
0.00 -10.0			-13.00 dBm	Start Freq 1.914000000 GHz
-20.0		1		Stop Freq 1.916000000 GHz
-40.0				CF Step 200.000 kHz <u>Auto</u> Man
-60.0				Freq Offset 0 Hz
-70.0				

		d Edge		Graph(s) (Cha	annel	Bandwi	idth:20) MHz)	_LCH_	_16QAM
Cente		RF 50 Ω q 1.85000	0000 G	PNO: East -	Trig: Fre	Run	Avg Type: Avg Hold:	ALIGN OFF RMS 19/100	02:37:24 PM TRAC TYP	E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
	liv	Ref Offset 9.4 Ref 20.00 d	7 dB	FGain:Low	#Atten: 3	0 dB		Mkr1	1.849 9	90 GHz 88 dBm	Auto Tune
10.0											Center Freq 1.850000000 GHz
-10.0									میں سرح	-13.00 dBm	Start Freq 1.849000000 GHz
-20.0						1	en tropontropon	an and the state of the state o	and have been a start of the st		Stop Freq 1.851000000 GHz
-30.0											CF Step 200.000 kHz
-50.0											<u>Auto</u> Man
+60.0											Freq Offset 0 Hz
-70.0	- 4.05	0000 GHz							0 7.07.0	.000 MHz	
#Res I				#VBW	1.2 MHz	*	#5	Sweep 2	00.0 ms (

Agilent Spectrum Analy	77er - Swept SA 50 Ω AC 915000000 GHz	SENSE:INT	ALIGN OFF	02:37:43 PM Jan 10, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref O	PNO: Fast IFGain:Low ffset 9.54 dB 20.00 dBm	Trig: Free Run #Atten: 30 dB	Avg Hold: 19/100	1.915 026 GHz -31.234 dBm	Auto Tune
10.0					Center Freq 1.915000000 GHz
-10.0	Muest			-13.00 dBm	Start Freq 1.914000000 GHz
-20.0	Construction of the state of th	↓ 1			Stop Freq 1.916000000 GHz
-40.0					CF Step 200.000 kHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 42 of 78

Report No.: LCS181225001AEG

J.5 Conducted Spurious Emission

cu opu					ph(s) (0	Chann	el Ban	ndwidth	n: 1.4 N	ИHz)_l	_CH_C	PSK
	R L	Spectrum A	nalyzer - Sv F 50 s	vept SA		SEN	SE:INT	Ave Tar -	ALIGN OFF	08:21:49 AN	4 Jan 14, 2019	Frequency
			79.500 of Offset 9. of 9.28 d	P	NO: Wide 🔸 Gain:Low	Trig: Free #Atten: 10	e Run) dB	Avg Type Avg Hold:		kr1 41.7	712 kHz 10 dBm	Auto Tune
-0.7	72 —											Center Freq 79.500 kHz
-10.												Start Freq 9.000 kHz
-30.											-43.00 dBm	Stop Freq 150.000 kHz
-60.												CF Step 14.100 kHz <u>Auto</u> Man
-70.	h	Myray	maria	↓1 hun han	how how have	w Maria	ww	m	w. My my	Muy my	when	Freq Offset 0 Hz
Sta	L art	9.00 kH BW 1.0	z n	-1-1W	#VBW	1 3.0 kHz*	14 ·			74.0 ms (
MSG Agil	1	Spectrum A	nalyzer - Sv	vept SA					STATUS	1 DC Cou	pled	
LXI	RL	F	RF 50 \$	000 MHz	PNO:Fast 🗝	SEM	Run	Avg Type Avg Hold:	ALIGN OFF : RMS 9/100	08:21:54 AN TRAC TYP	4 Jan 14, 2019 E 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10 Log	dB/	Re Idiv R e	ef Offset 9. ef 9.28 d	IF	Gain:Low	#Atten: 10	D dB			Mkr1 5	538 kHz 93 dBm	Auto Tune
-0.7	72 —											Center Freq 15.075000 MHz
-10.												Start Freq 150.000 kHz
-30.											-33.00 dBm	Stop Freq 30.000000 MHz
-60.		1										CF Step 2.985000 MHz <u>Auto</u> Man
-70.	.7 											Freq Offset 0 Hz
-80.	L			networkey)+10x14x1	₩ŧĸĸĸIJţġĊŢijĬĬţĸĠĿŎ	Teen bookstown of	www.line	araadharadhaanadh	han an a			
#R MSG	es	150 kHz BW 10	kHz		#VBW	/ 30 kHz*		:		Stop 30 68.3 ms (1 DC Cou		
LX/	RL	F	nalyzer - Sv F 50 (13.015	2 AC	SHz		NSE:INT	Avg Type Avg Hold:	ALIGN OFF	08:21:58 AM	4 Jan 14, 2019 E 1 2 3 4 5 6	Frequency
10 Log		Re	off offset 8.	P IF	PNO: Fast ↔ Gain:Low	Trig: Free #Atten: 40	dB	Avg Hold:		kr2 25.9	48 GHz 90 dBm	Auto Tune
20												Center Freq 13.015000000 GHz
10												Start Freq 30.000000 MHz
-10.	.0										-13.00 dBm	Stop Freq 26.000000000 GHz
-30.									a Juna and an provident	*****	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CF Step 2.597000000 GHz <u>Auto</u> Man
-40.	ľ	and the second second	han have a		an marine	and a second	and the second	- Garden				Freq Offset 0 Hz
-60.	.0				+							
Sta #R	art tes	30 MHz BW 1.0	MHz	1	#VBW	/ 3.0 MHz	*		Sweep 6	Stop 2 4.93 ms (6.00 GHz 1001 pts)	
MSG									STATUS			

Report No.: LCS181225001AEG

			CSE	Test C	Graph(s) (Cha	innel Ba	Indwidth	: 1.4 MI	Hz)_MC	H_QPS	κ	
10(1	RL	RI	nalyzer - Swe F 50 9 / 79.500 F			SEN	SE:INT	Avg Type: Avg Hold:	ALIGN OFF	08:22:22 AM	1 Jan 14, 2019 1 2 3 4 5 6	Frequency	
		Re	f Offset 9.2 of 9.28 dE	Ph	NO: Wide ↔ Gain:Low	Atten: 10	Run I dB	Avg Hold:		kr1 83.8	71 kHz	Auto Tune	
	aB/	div Re	ef 9.28 dE	sm						-70.52	24 dBm	Center Freq	
-0.3												79.500 kHz	
-20	0.7											Start Freq 9.000 kHz	
-30												Stop Freq 150.000 kHz	
-40											-43.00 dbm	CF Step	
-60							. 1					14.100 kHz <u>Auto</u> Man	
-70	-V	When .	W. W.	nall nu	un Arabas	M. M. M. M.	MA adm^	Maria	when he was a start when	hullingun	h Minu	Freq Offset 0 Hz	
-80				hin a liftha	lati A sher	- y w · y ·	<u>የት የቀሳቀቀ</u>	d. (. A.a h	1. t.a. 1		v .		
51 #R мво	tes	9.00 kHz BW 1.0	z KHz		#VBW	3.0 kHz*		5	Sweep 17	74.0 ms (1 1 DC Cou			
1,20	RL	RI	nalyzer - Swe F 50 Ω 2 15.0750	<u>∿</u> ⊳⊂ ∣			ISE:INT	Avg Type: Avg Hold:	ALIGN OFF	08:22:27 AM	1 Jan 14, 2019	Frequency	
			f Offset 9.2	P IF	NO: Fast 🔸	Atten: 10	Run I dB	Avg Hold:	9/100	Mkr1 5	38 kHz	Auto Tune	
	ав/ Г	div Re	f 9.28 dE	Sm						-56.24	14 dBm	Center Freq	
-0.3												15.075000 MHz	
-20												Start Freq 150.000 kHz	
-30).7 <u></u>										-33.00 dBm	Stop Freq 30.000000 MHz	
-40		.1										CF Step	
-60	1	•										2.985000 MHz <u>Auto</u> Man	
-70		n.										Freq Offset 0 Hz	
-80				vojnometavljavlj	lahitharathing a	^{ለአ} ጉቶበቶበሶላቶሉፆ	white	uhadmahaa	where we also				
Sti #R	tes	150 kHz BW 10 F	кНz		#VBW	30 kHz*		s	Sweep 36	Stop 30 58.3 ms (1 1 DC Cou			
Agi LXI	R L	Spectrum An	nalyzer - Swe F 50 Ω 13.0150			SEN	ISE:INT	Avg Type:	ALIGN OFF	08:22:30 AM	1 Jan 14, 2019	Frequency	
Ce	ent		13.0150	P	iHZ NO: Fast 🔸 Gain:Low	Trig: Free #Atten: 40	Run dB	Avg Hold:	6/100	(r2 25.7	123456 AAAAAA 14 GHz	Auto Tune	
18	ав/	div Re	f 30.00 d	Bm						-30.70	08 dBm	Center Freq	
20		1										13.015000000 GHz	
0.1												Start Freq 30.000000 MHz	
-10	0.0										-13.00 dBm	Stop Freq 26.00000000 GHz	
-20											à	CF Step	
-30			hallow		and the second designed to		nitation and a state	and a second second	مەرىم. _ھ ىلىغ _{انىر}	er marine and	an House and	2.597000000 GHz <u>Auto</u> Man	
-50												Freq Offset 0 Hz	
-60													
Sta #R	tes	30 MHz BW 1.0	MHz		#VBW	3.0 MHz		8	Sweep 64	Stop 26 1.93 ms (1	5.00 GHz 1001 pts)		

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 44 of 78

Report No.: LCS181225001AEG

			CSE	Test (Graph(s) (Cha	innel Ba	andwidth	n: 1.4 M	Hz)_HC	H_QPS	K
LXI	RL	R	nalyzer - Swe F 50 ຊຸ	ADC	1	SEN	ISE:INT	A	ALIGN OFF	08:22:55 AM	1 Jan 14, 2019	Frequency
Ce	ente	er Freq	79.500	PI	10: Wide 🔸	Trig: Free #Atten: 10	Run dB	Avg Type Avg Hold:		TRACE TYPE DE1	1 Jan 14, 2019 1 2 3 4 5 6 M M M M M A A A A T A A A A A A A	
10	dB/	Re div Re	f Offset 9.2 of 9.28 dE	8 dB Sm					м	kr1 14.2 -70.33	217 kHz 31 dBm	Auto Tune
-0.7												Center Freq 79.500 kHz
-10												
-20	0.7											Start Freq 9.000 kHz
-30	0.7 —											Stop Freq
-40).7 =										-43.00 dBm	150.000 kHz
-60	0.7 —											CF Step 14.100 kHz
-60).7 —	A 1										<u>Auto</u> Man
-70	A	Wanne	in Million	h a hora	Munda	Anna	man	. A. Markeller	white when	᠃᠕ᡅᠰᡟᠬ	Why what	Freq Offset 0 Hz
	L	, • • • ¶ "	•10 W .44.	γ βn	9 74 0 .971	W-1 4.		ην u	- "1			
#R	les	9.00 kHz BW 1.0	z kHz		#VBW	3.0 kHz*		5		74.0 ms (1		
		Spectrum Ai	nalyzer - Swe F 50 Q ,	pt SA						LDC Cou		
Ce	ente	er Freq	15.0750	00 MHz	NO: Fast 🔸	1	Run	Avg Type Avg Hold:	ALIGN OFF RMS 9/100	08:23:00 AM TRACE	1 Jan 14, 2019 1 2 3 4 5 6 E MWWWWW T A A A A A A	Frequency
10	dB/	Re div R e	f Offset 9.2 of 9.28 dE		Gain:Low	#Atten: 10	aB			Mkr1 5	38 kHz 24 dBm	Auto Tune
												Center Freq
-0.7												15.075000 MHz
-20												Start Freq 150.000 kHz
-30											-33.00 dBm	Stop Erog
-40											-55.00 000	Stop Freq 30.000000 MHz
-60	0.7	.1										CF Step 2.985000 MHz
-60).7 J											<u>Auto</u> Man
-70	0.7	N										Freq Offset 0 Hz
-80	.7 -	hadnethaliph	divel ^a -reglicute ^{nce}	unon-Marky). Mile		malipherenau	hinan lateration	hellower, allow to the second and	p./ps./11/4.444.44	พ่งประเยา	there the boots	
Sta	art	150 kHz								Stop 30	0.00 MHz	
#R MSG		BW 10 F	xr1z		#vBW	30 kHz*				68.3 ms (1		
LX/	RL	RI	nalyzer - Swe F 50 Ω 13.0150	AC OCOO C		SEN	SE:INT		ALIGN OFF	08:23:03 AM	1 Jan 14, 2019	Frequency
Ce	71110			P	iHZ NO: Fast 🔸 Gain:Low	Trig: Free #Atten: 40	Run dB	Avg Type Avg Hold:				Auto Tune
10	dB/	div Re	f Offset 8.6 ef 30.00 d	8 dB IBM						(r2 25.6) -30.61	88 GHZ 13 dBm	
20												Center Freq 13.015000000 GHz
10	0.0	{\begin{subarray}{c} 1 \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										
0.0												Start Freq 30.000000 MHz
-10	0.0										-13.00 dDm	Stop Freq
-20	0.0											26.00000000 GHz
-30	0.0							- m	mana	marran surger	an mark	CF Step 2.597000000 GHz <u>Auto</u> Man
-40	1	- And and and	harden -		**************************************	algebra Antoine Service Antoine		·· ~~~				Freq Offset
-50												Freq Offset 0 Hz
-60	0.0											
#R	les	30 MHz BW 1.0	MHz		#VBW	3.0 MHz*				4.93 ms (1	6.00 GHz 1001 pts)	
MSG	a								STATUS			

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 45 of 78