Appendix F: Test Data for E-UTRA Band 2

Product Name: 3-D VR Smartphone Trade Mark: Q PHONE Test Model: Qphone2019_A

Environmental Conditions

Temperature:	23.1 ° C	
Relative Humidity:	53.2%	
ATM Pressure:	100.0 kPa	
Test Engineer:	Tom.Liu	
Supervised by:	Jayden Zhuo	

F.1 Conducted Output Power

	Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Modulation Channel		figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
wouldtion	Channel	Size	Offset	QPSK	16QAM	Verdici		
		1	0	23.08	22.38	PASS		
		1	3	23.19	22.40	PASS		
		1	5	23.11	22.38	PASS		
	LCH	3	0	23.39	22.58	PASS		
		3	2	23.39	22.60	PASS		
		3	3	23.36	22.56	PASS		
		6	0	22.32	21.48	PASS		
		1	0	22.65	22.19	PASS		
		1	3	22.69	22.26	PASS		
		1	5	22.71	22.27	PASS		
QPSK / 16QAM	MCH	3	0	22.81	21.91	PASS		
IOQAIN		3	2	22.86	21.96	PASS		
		3	3	22.83	21.98	PASS		
		6	0	22.88	21.96	PASS		
		1	0	22.27	21.36	PASS		
		1	3	22.31	21.41	PASS		
		1	5	22.37	21.38	PASS		
	HCH	3	0	22.45	21.68	PASS		
		3	2	22.48	21.64	PASS		
		3	3	22.44	21.62	PASS		
		6	0	22.40	21.65	PASS		

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	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
wooulation	Channel	Size	Offset	QPSK	16QAM	verdici		
		1	0	23.30	22.37	PASS		
		1	7	23.35	22.44	PASS		
		1	14	23.15	22.25	PASS		
	LCH	8	0	22.45	21.46	PASS		
		8	4	22.42	21.43	PASS		
		8	7	22.39	21.42	PASS		
		15	0	22.42	21.50	PASS		
		1	0	22.76	21.82	PASS		
	МСН	1	7	22.89	21.94	PASS		
QPSK /		1	14	22.76	21.81	PASS		
16QAM		8	0	22.95	21.93	PASS		
TOQAIN		8	4	22.95	21.94	PASS		
		8	7	22.97	21.93	PASS		
		15	0	22.93	21.97	PASS		
		1	0	22.23	21.42	PASS		
		1	7	22.37	21.54	PASS		
		1	14	22.29	21.41	PASS		
	НСН	8	0	22.46	21.63	PASS		
		8	4	22.47	21.63	PASS		
		8	7	22.51	21.64	PASS		
		15	0	22.49	21.52	PASS		

		Conducte	d Output Pov	ver Test Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
wouldtion	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	23.24	22.43	PASS
		1	12	23.24	22.45	PASS
		1	24	23.03	22.25	PASS
	LCH	12	0	22.36	21.30	PASS
		12	6	22.33	21.26	PASS
		12	13	22.24	21.20	PASS
		25	0	22.33	21.41	PASS
		1	0	22.71	21.87	PASS
		1	12	22.82	21.97	PASS
QPSK /		1	24	22.72	21.87	PASS
16QAM	MCH	12	0	22.88	21.78	PASS
TOQAIN		12	6	22.89	21.80	PASS
		12	13	22.85	21.75	PASS
		25	0	22.87	21.91	PASS
		1	0	22.28	21.59	PASS
		1	12	22.39	21.71	PASS
		1	24	22.35	21.59	PASS
	HCH	12	0	22.38	21.49	PASS
		12	6	22.43	21.51	PASS
		12	13	22.41	21.49	PASS
		25	0	22.41	21.51	PASS

	Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict		
Modulation	Ondriner	Size	Offset	QPSK	16QAM	Verdict		
		1	0	23.43	22.51	PASS		
		1	24	23.15	22.28	PASS		
		1	49	22.99	22.06	PASS		
	LCH	25	0	22.31	21.38	PASS		
		25	12	22.23	21.30	PASS		
		25	25	22.17	21.25	PASS		
		50	0	22.28	21.37	PASS		
		1	0	22.92	21.93	PASS		
	MCH	1	24	22.90	21.92	PASS		
QPSK /		1	49	22.92	21.93	PASS		
16QAM		25	0	22.87	21.90	PASS		
IOQAM		25	12	22.90	21.93	PASS		
		25	25	22.85	21.87	PASS		
		50	0	22.87	21.92	PASS		
		1	0	22.48	21.54	PASS		
		1	24	22.33	21.49	PASS		
		1	49	22.44	21.57	PASS		
	НСН	25	0	22.52	21.55	PASS		
		25	12	22.40	21.47	PASS		
		25	25	22.40	21.49	PASS		
		50	0	22.49	21.50	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)							
Modulation Channel		RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict		
wooulation	Channel	Size	Offset	QPSK	16QAM	verdict		
		1	0	23.52	22.57	PASS		
		1	37	23.04	22.15	PASS		
		1	74	22.98	21.90	PASS		
	LCH	37	0	22.30	21.29	PASS		
		37	18	22.12	21.09	PASS		
		37	38	22.07	21.02	PASS		
		75	0	22.19	21.21	PASS		
		1	0	23.01	21.93	PASS		
	МСН	1	37	22.90	21.92	PASS		
QPSK /		1	74	22.88	21.98	PASS		
16QAM		37	0	22.97	21.90	PASS		
TOQAIM		37	18	22.97	21.91	PASS		
		37	38	22.94	21.88	PASS		
		75	0	22.97	21.95	PASS		
		1	0	22.81	22.01	PASS		
		1	37	22.54	21.68	PASS		
		1	74	22.63	21.82	PASS		
	HCH	37	0	22.74	21.65	PASS		
		37	18	22.56	21.49	PASS		
		37	38	22.46	21.44	PASS		
		75	0	22.59	21.53	PASS		

		Conducted	Output Pow	ver Test Result (Channel Band	width: 20 MHz)	
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
		1	0	23.73	23.24	PASS
		1	49	23.06	22.58	PASS
		1	99	23.11	22.44	PASS
	LCH	50	0	22.19	21.25	PASS
		50	25	22.02	21.05	PASS
		50	50	22.89	21.90	PASS
		100	0	22.05	21.05	PASS
		1	0	23.17	22.53	PASS
	MCH	1	49	23.00	22.49	PASS
		1	99	23.07	22.62	PASS
QPSK / 16QAM		50	0	21.90	20.90	PASS
IOQAIN		50	25	21.91	20.92	PASS
		50	50	21.96	20.95	PASS
		100	0	21.95	20.92	PASS
		1	0	23.04	22.15	PASS
		1	49	22.58	21.51	PASS
		1	99	22.68	21.67	PASS
	НСН	50	0	22.71	21.72	PASS
		50	25	22.48	21.45	PASS
		50	50	22.37	21.37	PASS
		100	0	22.59	21.60	PASS

F.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	5.24	<13	PASS				
QPSK	MCH	4.89	<13	PASS				
	НСН	4.85	<13	PASS				
	LCH	6.08	<13	PASS				
16QAM	MCH	5.82	<13	PASS				
	НСН	5.75	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
MODULATION	Channel	[dB]	[dB]	Verdict				
	LCH	5.33	<13	PASS				
QPSK	MCH	5.05	<13	PASS				
	НСН	5.08	<13	PASS				
	LCH	6.25	<13	PASS				
16QAM	MCH	5.95	<13	PASS				
	НСН	5.88	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
wouldton	Channel	[dB]	[dB]	Verdict			
	LCH	5.44	<13	PASS			
QPSK	MCH	5.05	<13	PASS			
	HCH	5.16	<13	PASS			
	LCH	6.23	<13	PASS			
16QAM	MCH	5.84	<13	PASS			
	НСН	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	5.55	<13	PASS				
QPSK	MCH	5.18	<13	PASS				
	НСН	5.13	<13	PASS				
	LCH	6.28	<13	PASS				
16QAM	MCH	5.93	<13	PASS				
	НСН	5.89	<13	PASS				

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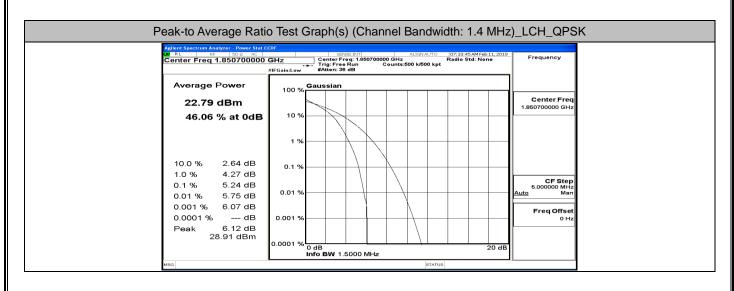
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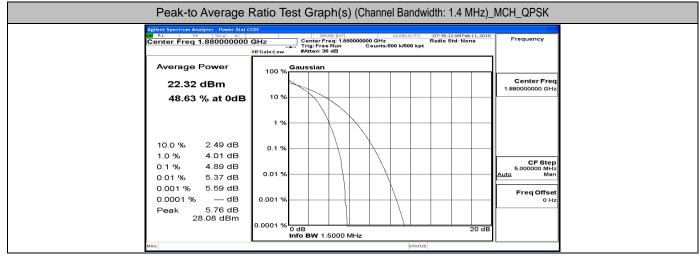
	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Wouldton	Channer	[dB]	[dB]	verdict			
	LCH	5.05	<13	PASS			
QPSK	MCH	4.96	<13	PASS			
	НСН	4.98	<13	PASS			
	LCH	6.21	<13	PASS			
16QAM	MCH	6.03	<13	PASS			
	НСН	6.06	<13	PASS			

	Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
Modulation	Ondrinei	[dB]	[dB]	Verdict			
	LCH	5.76	<13	PASS			
QPSK	MCH	5.67	<13	PASS			
	НСН	5.65	<13	PASS			
	LCH	6.82	<13	PASS			
16QAM	MCH	6.64	<13	PASS			
	НСН	6.48	<13	PASS			

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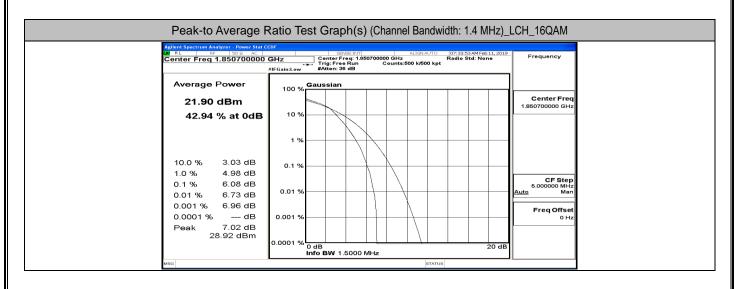


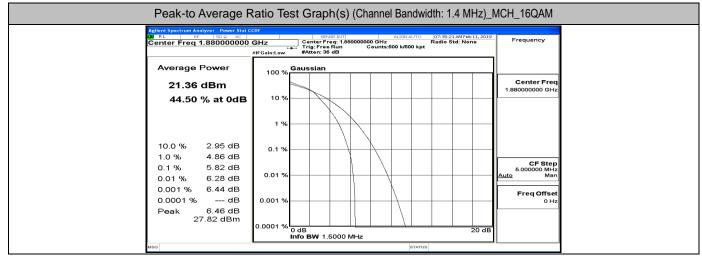


Peak-to Average	Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)	_HCH_QPSK
Center Freq 1.90930000	GHZ Center Freq: 1.99930000 GHZ Radio Std: None #IFGain:Low #Atten: 36 dB	- Frequency
21.84 dBm 47.17 % at 0dB	100 % Gaussian 10 %	Center Freq 1.909300000 GHz
10.0 % 2.65 dB 1.0 % 4.12 dB	0.1 %	
0.1 % 4.85 dB 0.01 % 5.23 dB 0.001 % 5.36 dB	0.01 %	CF Step 5.00000 MHz <u>Auto</u> Man Freq Offset
0.0001 % dB Peak 5.47 dB 27.31 dBm	0.0001 % 0 dB 20 dE	0 Hz
мва	Info BW 1.5000 MHz	

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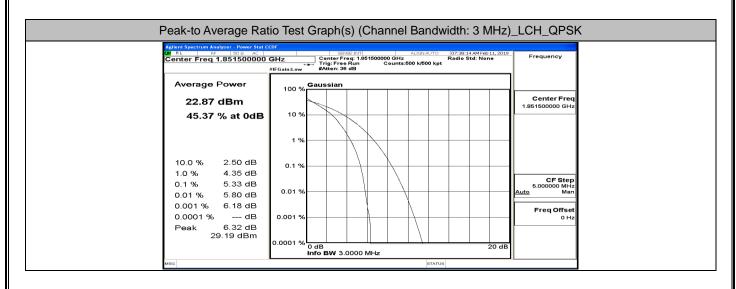


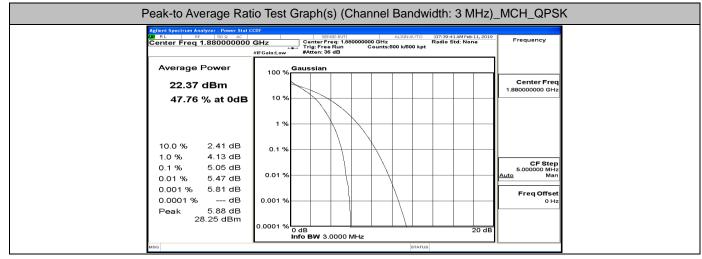


Agilent Spectrum Analyzer Power Stat		
Genter Freq 1:009300000 Center Freq 1:009300000 Average Power	GHz SEREERT ALCHAUTO 1073693AMTeb11.2C Center Free: 1.000 2000000 GHz ALCHAUTO 1073693AMTeb11.2C #IFGam:Low #Atten:35 dB Counts:000 k/600 kpt Radio Std: None 100 % Gaussian 100 % Gaussian 100 % Gaussian Gaussian	10 Frequency
20.89 dBm 42.79 % at 0dB		Center Freq 1.909300000 GHz
10.0 % 3.08 dB 1.0 % 4.89 dB	0.1 %	_
0.1 % 5.75 dB 0.01 % 6.11 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 6.28 dB 0.0001 % dB Peak 6.43 dB 27.32 dBm	0.001 %	Freq Offset 0 Hz
ма	0.000 T % 0 dB 20 c Info BW 1.5000 MHz	в

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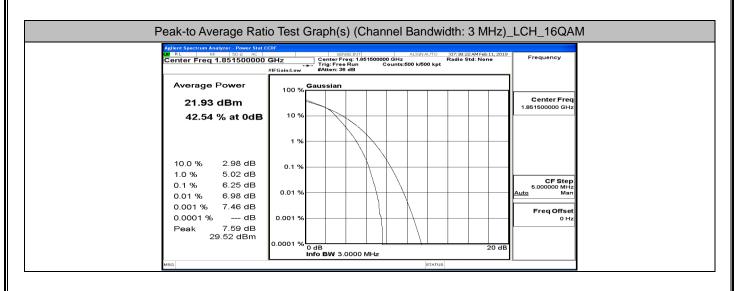


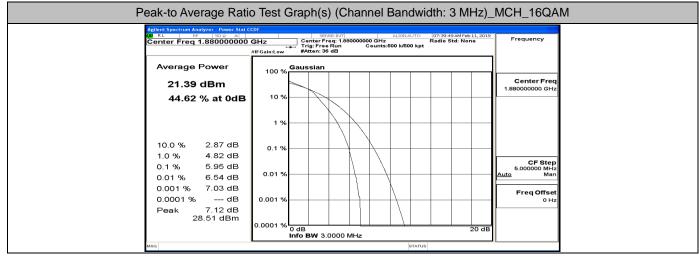


Agilent Spectrum Analyzer - Power Stat C		
on RL RF 1.908500000 Center Freq 1.908500000 Average Power	GHZ Center Free: 1.000500000 GHZ Radio Std: None #FGain:Low #Atten: 36 dB	Frequency
21.94 dBm 46.44 % at 0dB	10 %	Center Freq 1.908500000 GHz
10.0 % 2.51 dB 1.0 % 4.20 dB	0.1 %	CF Step
0.1 % 5.08 dB 0.01 % 5.57 dB 0.001 % 5.90 dB	0.01 %	5.000000 MHz <u>Auto</u> Man Freg Offset
0.0001 % dB Peak 6.14 dB 28.08 dBm	0.001 % 0 dB 20 dB	0 Hz
MSG	Info BW 3.0000 MHz	

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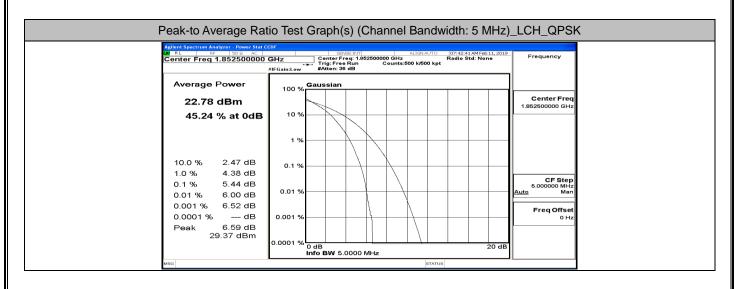


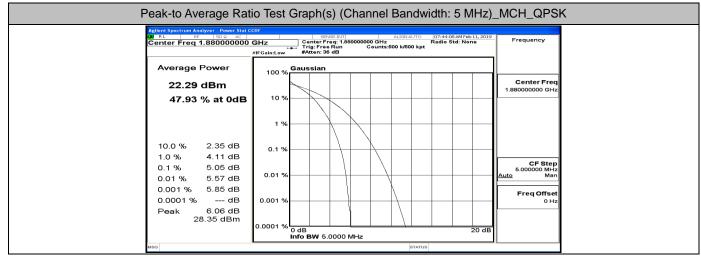


Peak-to Average Rat	io Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM
01 RL RF 1500 AC Center Freq 1.908500000	GHz SENEEINT ALXXAATO 074119AMF6b11,2 GHz Center Free; 1080650000 GHz Radio Std: None #IFGainLow #Atten: 36 dB	¹⁹ Frequency
Average Power 21.01 dBm 42.37 % at 0dB	100 % Gaussian	Center Freq 1.908500000 GHz
10.0 % 3.00 dB	1 %	-
1.0 % 4.92 dB 0.1 % 5.88 dB 0.01 % 6.46 dB	0.1 %	CF Step 5.000000 MHz Auto Man
0.001 % 6.73 dB 0.0001 % dB Peak 6.83 dB 27.84 dBm	0.001 %	Freq Offset 0 Hz
мва	0.0001 % 0 dB 20 c Info BW 3.0000 MHz	в

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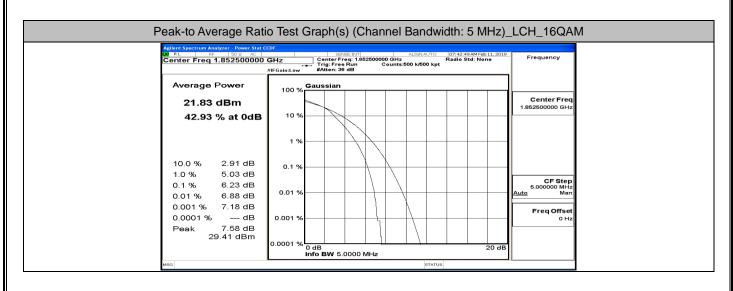


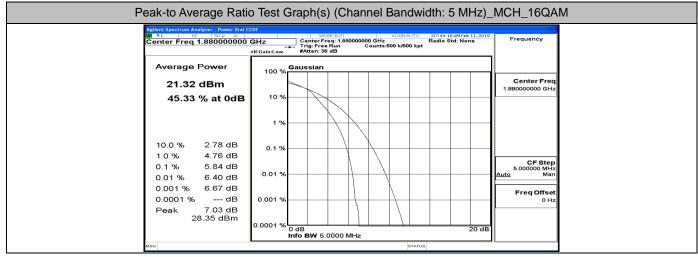


Agilent Spectrum Analyzer - Power Stat	COF									
Center Freq 1.907500000	GHz #IFGain:Low	Trig	SENSE:IN ter Freq: Free Rui en: 36 dB	1.90750000	00 GHz Counts:5	ALIGN AU	F	07:45:397 Radio Sto	M Feb 11, 201 i: None	- Frequency
Average Power	100 %	Gauss	ian							
21.85 dBm										Center Fre 1.907500000 GH
46.04 % at 0dB	10 %		$\langle \uparrow \rangle$							
	1 %		\mathbb{A}	\wedge						
10.0 % 2.46 dB	0.1 %			\downarrow						
1.0 % 4.25 dB 0.1 % 5.16 dB 0.01 % 5.65 dB	0.01 %			\square						CF Ste 5.000000 MH <u>Auto</u> Ma
0.001 % 5.91 dB 0.0001 % dB	0.001 %					\setminus				FreqOffs
Peak 6.05 dB										- 0+
27.90 0811	0.0001 %	0 dB Info B\	N 5.000	0 MHz					20 di	3
MSG						sī	TATUS			

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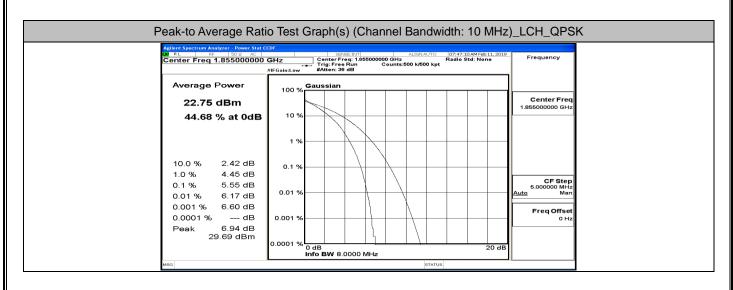


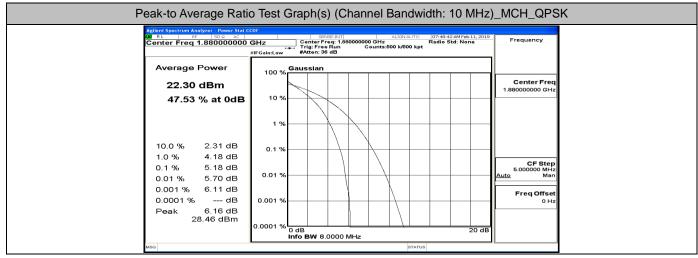


Peak-to Average Rat	io Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
Center Freq 1.907500000 Center Freq 1.907500000 Average Power	#IFGainLow #Atten:36 dB	Frequency
20.93 dBm 42.95 % at 0dB		Center Freq 1.907500000 GHz
10.0 % 2.94 dB	1 %	_
1.0 % 4.99 dB 0.1 % 6.00 dB 0.01 % 6.60 dB	0.01 %	CF Step 5.00000 MHz Auto Man
0.001 % 7.01 dB 0.0001 % dB Peak 7.35 dB 28.28 dBm	0.001 %	Freq Offset 0 Hz
MBG	0.0001 % 0 dB 20 0 Info BW 5.0000 MHz status	IB

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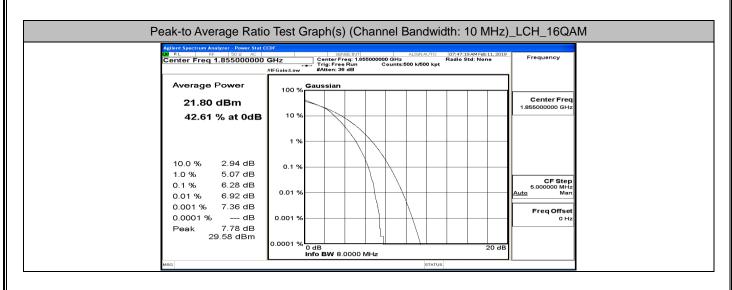


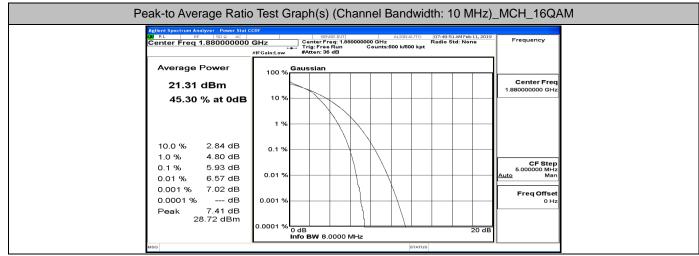


Peak-to Average Rati	o Test Graph(s) (Channel Bandwidth: 10 MH	z)_HCH_QPSK
00 RL PF 200 AC Center Freq 1.905000000	SENSE:INT ALIGN AUTO 07:50:24 AM Feb 11, 20	¹⁹ Frequency
Average Power 21.94 dBm 46.79 % at 0dB	100 % Gaussian	Center Freq 1.905000000 GHz
10.0 % 2.34 dB	1%	
1.0 % 4.18 dB 0.1 % 5.13 dB 0.01 % 5.71 dB 0.001 % 5.90 dB	0.01 %	CF Step 5.00000 MHz Auto Man
0.0001 % dB Peak 6.05 dB 27 99 dBm	0.001 % 0.0001 % 0 dB	B
MBG	Info BW 8.0000 MHz	

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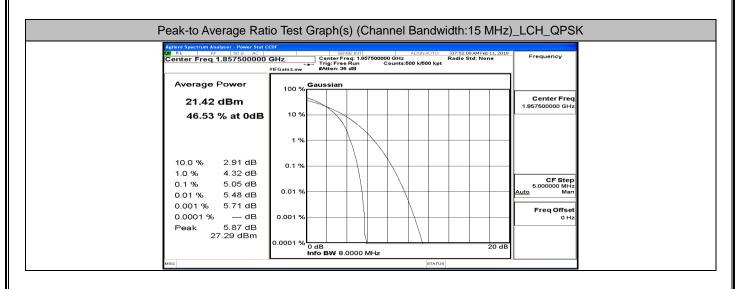


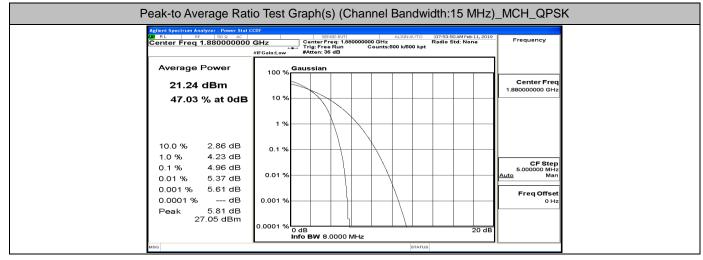


	o Test Graph(s) (Channel Bandwidth: 10 MHz)	
Center Freq 1.905000000	GHz Center Freq: 190500000 GHz Radio Std: None Trig: Free Run Counts:500 k/500 kpt #IFGain:Low #Atten: 36 dB	Frequency
20.97 dBm	100 % Gaussian	Center Freq 1.905000000 GHz
44.17 % at 0dB	1 %	
10.0 % 2.89 dB 1.0 % 4.81 dB	0.1 %	
0.1 % 5.89 dB 0.01 % 6.50 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 6.95 dB 0.0001 % dB Peak 7.18 dB	0.001 %	Freq Offset 0 Hz
28 15 dBm	0.0001 % 0 dB 20 dB	
MSG	STATUS	

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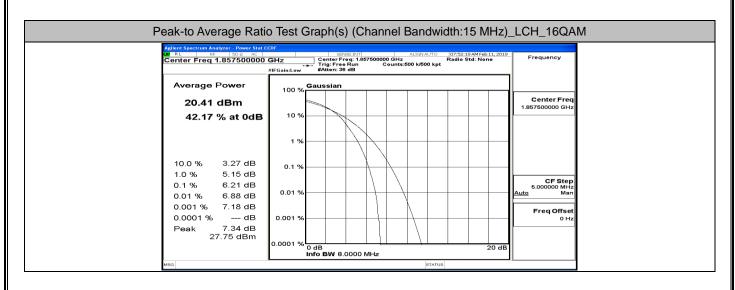


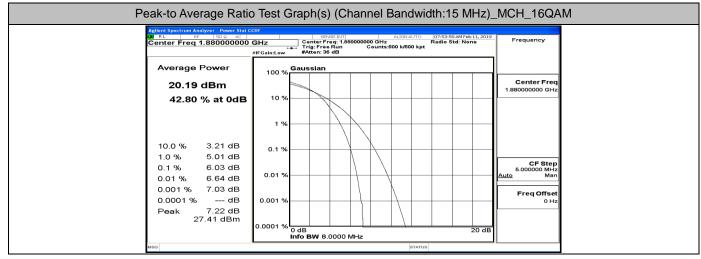


LX RL RF 50 Q AC	CDF	SENS	E:INT		LIGNAUTO	07:55:34 AM I	eb 11, 2019	Frequency
Center Freq 1.902500000	GHz	Center Fre Trig: Free I #Atten: 36	q: 1.9025000 Run dB	00 GHz Counts:500) k/500 kpt	Radio Std: N	lone	Frequency
Average Power	100 % G	aussian						
20.75 dBm								Center Freq 1.902500000 GHz
46.75 % at 0dB	10 %							
	1%							
10.0 % 2.85 dB	0.1 %		$\left \right\rangle$					
1.0 % 4.27 dB	0.1 %							CF Step
0.1 % 4.98 dB 0.01 % 5.46 dB	0.01 %		\rightarrow	+			_	5.000000 MHz <u>Auto</u> Man
0.001 % 5.69 dB								Freq Offset
0.0001 % dB Peak 5.81 dB	0.001 %				\square			0 Hz
26.56 dBm	0.0001 %	-IB					20 dB	
	Int	6 BW 8.0	000 MHz				20 00	

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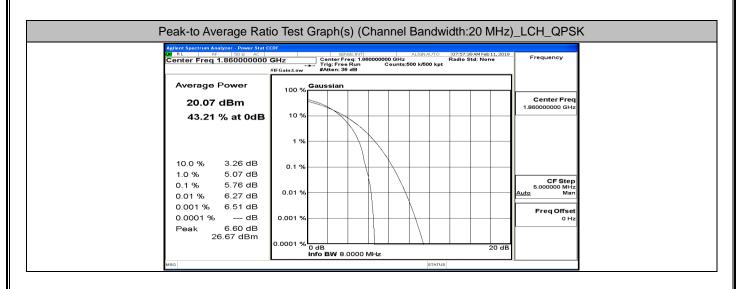


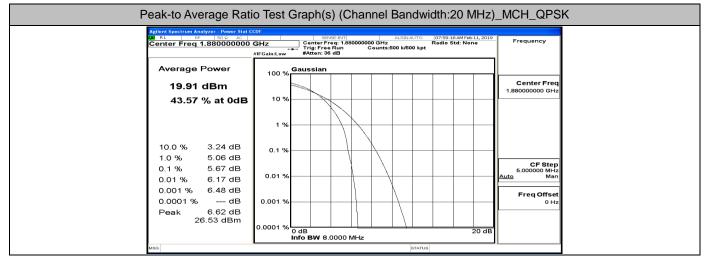


Peak-to Average Ratio	o Test Graph(s) (Channel Bandwidth:15 MHz)	_HCH_16QAM
00 RL 8F 50 AC Center Freq 1.902500000	SENSE:INT ALIGN AUTO 07:55:43 AM Feb 11, 201	Frequency
Average Power 19.71 dBm 42.73 % at 0dB	100 % Gaussian	Center Freq 1.902500000 GHz
	1 %	
10.0 % 3.21 dB 1.0 % 4.97 dB	0.1 %	
0.1 % 6.06 dB 0.01 % 6.79 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 7.32 dB 0.0001 % dB Peak 7.81 dB	0.001 %	Freq Offset 0 Hz
27.52 dBm	0.0001 % 0 dB 20 dE 20 dE	
MBG	STATUS	-

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FCC ID: 2AMO6QPHONE2019A

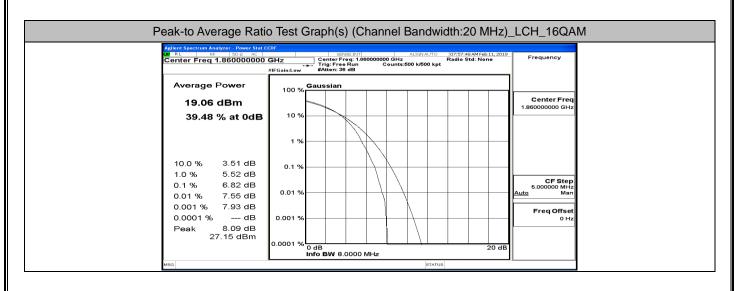


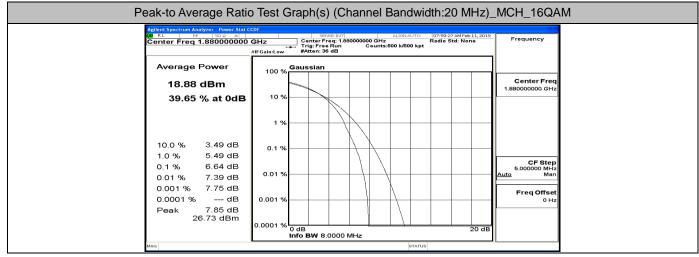


Agilent Spectrum Analyzer - Power S	
Center Freq 1.9000000	0 GHz Center Freq: 190000000 GHz Radio Std: None Frequency #FGaint.ow #Atten: 36 dB
Average Power 19.61 dBm 43.74 % at 0d	a 10 % Center Freq 1.90000000 GHz
45.74 % at 00	
10.0 % 3.24 dB 1.0 % 5.04 dB	0.1 %
0.1 % 5.65 dB 0.01 % 6.18 dB	0.01 % CF Step 5.000000 MHz Man
0.001 % 6.58 dB 0.0001 % dB Peak 6.69 dB	0.001 % Freq Offset
26.30 dBm	0.0001 % 0 dB info BW 8.0000 MHz 20 dB

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FCC ID: 2AMO6QPHONE2019A





Peak-to Average Ratio	o Test Graph(s) (Channel Bandwidth:20 MHz)	_HCH_16QAM
Center Freq 1.90000000	SENSE:INT ALIGNAUTO 08:01:09 AM Feb 11, 201	Frequency
Average Power 18.64 dBm	100 % Gaussian	Center Freq 1.90000000 GHz
40.12 % at 0dB	1 %	
10.0 % 3.48 dB 1.0 % 5.40 dB	0.1 %	
0.1 % 6.48 dB 0.01 % 7.16 dB	0.01 %	CF Step 5.000000 MHz <u>Auto</u> Man
0.001 % 7.62 dB 0.0001 % dB Peak 8.06 dB	0.001 %	Freq Offset 0 Hz
26.70 dBm	0.0001 % 0 dB 20 df Info BW 8.0000 MHz 20 df	
MSG	STATUS	

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F.3 26dB Bandwidth and Occupied Bandwidth

	EBW & OBW Te	est Result (Channel Band	width: 1.4 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
woodiation	Channel	(MHz)	(MHz)	Verdict
	LCH	1.0759	1.215	PASS
QPSK	MCH	1.0768	1.228	PASS
	HCH	1.0805	1.222	PASS
	LCH	1.0756	1.220	PASS
16QAM	MCH	1.0807	1.204	PASS
	НСН	1.0786	1.219	PASS

	EBW & OBW T	est Result (Channel Ban	dwidth: 3 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wooulation	Channel	(MHz)	(MHz)	Verdici
	LCH	LCH 2.6824 2.869		PASS
QPSK	MCH	2.6827	2.883	PASS
	HCH	2.6835	2.882	PASS
	LCH	2.6848	2.870	PASS
16QAM	MCH	2.6832	2.866	PASS
	НСН	2.6794	2.864	PASS

	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	4.4757	4.817	PASS
QPSK	MCH	4.4752	4.869	PASS
	HCH	4.4785	4.827	PASS
	LCH	4.4746	4.841	PASS
16QAM	MCH	4.4780	4.782	PASS
	НСН	4.4739	4.815	PASS

	EBW & OBW Te	est Result (Channel Band	lwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
MODUIATION	Channel	(MHz)	(MHz)	verdict
	LCH	8.9530	9.407	PASS
QPSK	MCH	8.9423	9.452	PASS
	HCH	8.9455	9.523	PASS
	LCH	8.9423	9.522	PASS
16QAM	MCH	8.9429	9.536	PASS
	НСН	8.9563	9.523	PASS

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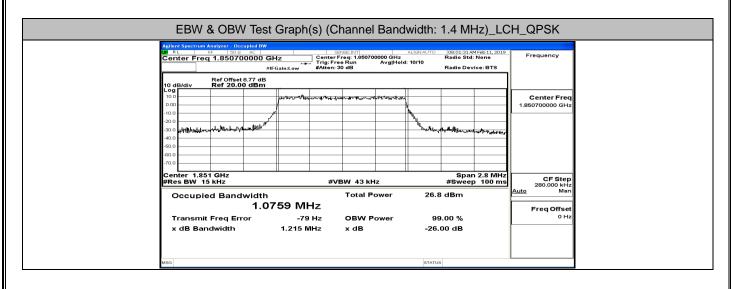
FCC ID: 2AMO6QPHONE2019A

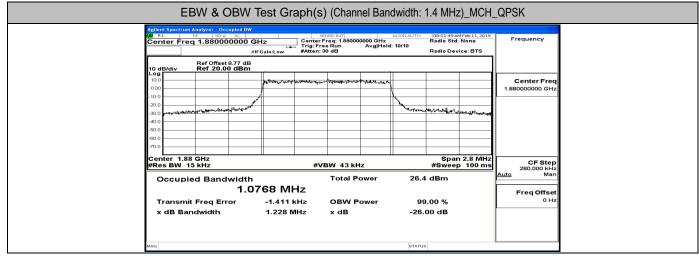
	EBW & OBW Te	est Result (Channel Band	lwidth: 15 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Wodulation	Channel	(MHz)	(MHz)	Verdict
	LCH	13.429	14.04	PASS
QPSK	MCH	13.413	14.10	PASS
	НСН	13.436	17.91	PASS
	LCH	13.422	14.17	PASS
16QAM	MCH	13.401	14.16	PASS
	НСН	13.425	14.09	PASS

	EBW & OBW Te	est Result (Channel Band	lwidth: 20 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldtion	Channel	(MHz)	(MHz)	Verdict
	LCH	17.883	18.62	PASS
QPSK	MCH	17.881	18.59	PASS
	НСН	17.870	18.70	PASS
	LCH	17.866	18.66	PASS
16QAM	MCH	17.877	18.70	PASS
	НСН	17.896	18.74	PASS

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FCC ID: 2AMO6QPHONE2019A

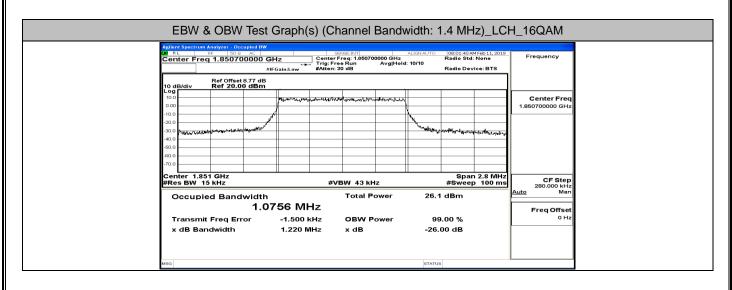


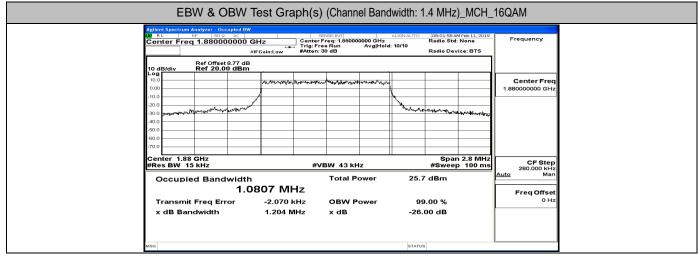


Agilent Spectrum Analyzer - Occupied BW M RL RF 50 Ω AC Center Freg 1.909300000 G		SENSE:INT		08 AM Feb 11, 2019 Std: None	Frequency
	Trig: F	ree Run Avg Holo h: 30 dB	: 10/10	Device: BTS	
Ref Offset 8.84 dB 10 dB/div Ref 20.00 dBm Log					
0.00	have been a second a second	^{**} **********************************			Center Freq 1.909300000 GHz
-10.0 -20.0 -30.0			Lovernord housingly	where the start of the start	
-40.0					
-70.0					
Center 1.909 GHz #Res BW 15 kHz	#	VBW 43 kHz		oan 2.8 MHz eep 100 ms	CF Step 280.000 kHz
Occupied Bandwidth	805 MHz	Total Power	25.9 dBm		<u>Auto</u> Man
Transmit Freq Error	-1.271 kHz	OBW Power	99.00 %		Freq Offset 0 Hz
x dB Bandwidth	1.222 MHz	x dB	-26.00 dB		

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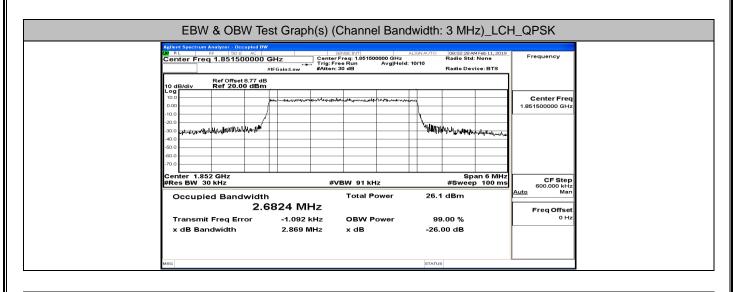


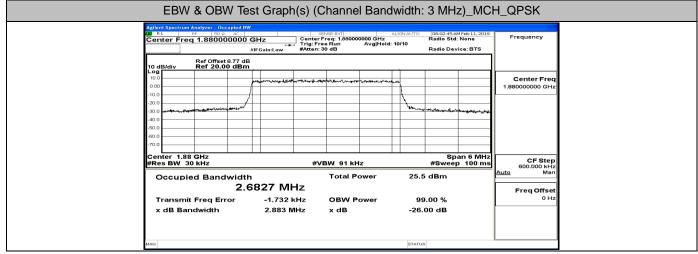


Bit Image: Processing and the second secon	ne Frequency
Ref Offset 8.84 dB 10 dB/div Ref 20.00 dBm	
Log 10.0 000	Center Freq 1.909300000 GHz
-10.0	
200 0.0. nonvitable for the former of the f	and the second second
50.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0 (60.0) (60.0 (60.0 (60.0) (60.0 (60.0) (60.0 (60.0) (60.0 (60.0) (60.0) (60.0 (60.0))	
-700 Center 1.909 GHz Span 2.	8 MHz
#Res BW 15 kHz #Sweep 1 Occupied Bandwidth Total Power 25.0 dBm	00 ms CF Step 280.000 kHz Auto Man
Occupied Bandwidth Total Power 25.0 dBm 1.0786 MHz	Freq Offset
Transmit Freq Error -2.355 kHz OBW Power 99.00 %	0 Hz

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FCC ID: 2AMO6QPHONE2019A

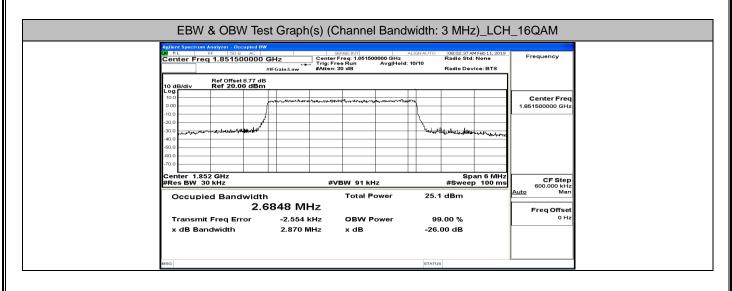


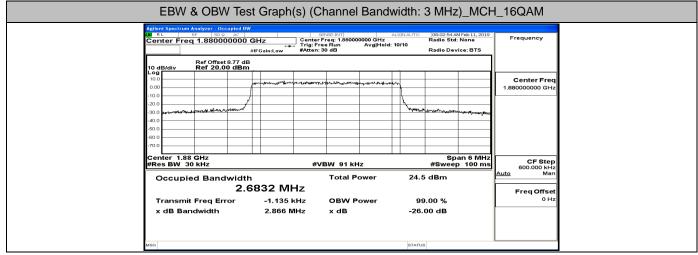


OM RL RF 50 Ω AC Center Freq 1.90850000	0 GHz		ENSE:INT Freq: 1.90850			08:03:05 AM Radio Std:	None	Frequency
Ref Offset 8.84	#IFGain:Low	#Atten:		Avginola. I		Radio Dev	ice: BTS	
10 dB/div Ref 20.00 dB				*****				Center Freq
-10.0	and the second second	**************	- 1949 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 - 494 -	a water and	1			1.908500000 GHz
-20.0	<i>y</i>				James		Magazar Magaza	
-40.0								
-70.0								
Center 1.909 GHz #Res BW 30 kHz		#V	BW 91 kH	z			an 6 MHz 5 100 ms	CF Step 600.000 kHz
Occupied Bandwid	Ith 2.6835 M	Hz	Total P	ower	25.	1 dBm		Auto Man Freq Offset
Transmit Freq Error x dB Bandwidth	-5 2.882	3 Hz	OBW P x dB	ower		9.00 % .00 dB		0 Hz

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FCC ID: 2AMO6QPHONE2019A

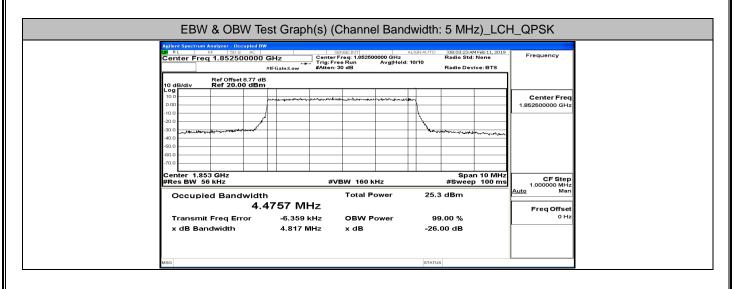


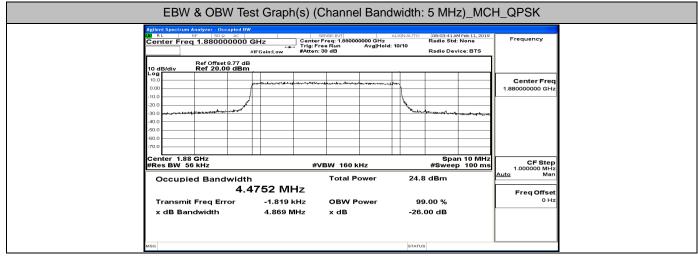


Aglent Spectrum Analyzer - Occupied BW Strain Risk Solg Ac Center Freq 1.908500000 GH #IF(Ref Offset 8.84 dB		req: 1.908500000 GHz e Run Avg Hold: 10/	NAUTO 08:03:13 AM Feb 11, 2019 Radio Std: None 10 Radio Device: BTS	Frequency
0 000 1000 2000 3000 4000 5000	\$2,			Center Freq 1.908500000 GHz
Center 1.909 GHz #Res BW 30 kHz Occupied Bandwidth 2.67 Transmit Freq Error × dB Bandwidth	#ve '94 MHz -1.190 kHz 2.864 MHz	BW 91 KHz Total Power OBW Power x dB	Span 6 MHz #Sweep 100 ms 24.2 dBm 99.00 % -26.00 dB	CF Step 600.000 kHz <u>Auto</u> Man Freq Offset 0 Hz

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FCC ID: 2AMO6QPHONE2019A

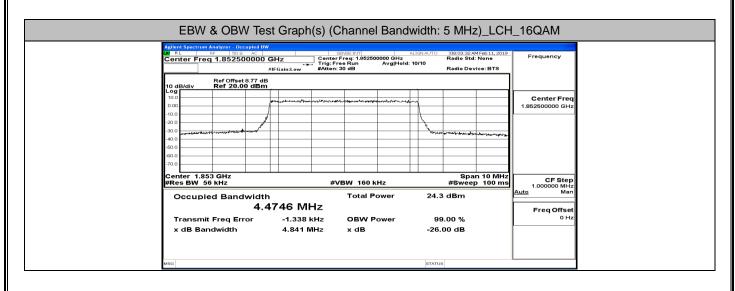


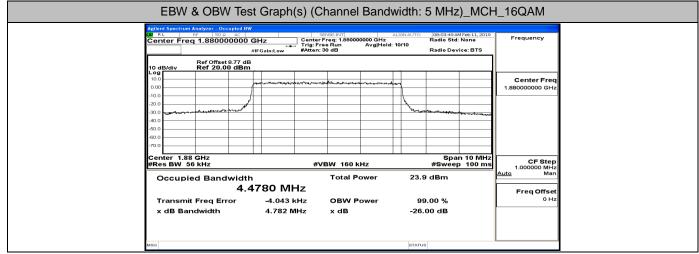


RL RF S0.0 AC SEMEENTI ALIGNAUTO OBCOMO ANTech 13, 2019 Center Freq 1.907500000 GHz Center Freq: 1.907500000 GHz Radio Std: None Trig: Free Run Avg Hold: 10/10 Radio Device: BTS								
Ref Offset 8.84 d 10 dB/div Ref 20.00 dBn								
10.0	purversonme	مريوهم يعون المراجع والمحار والمحار	.^;ePy				Center Freq 1.907500000 GHz	
-10.0 -20.0 -30.0 -40.0				here and the second	adahanan aha an	~~~*~**		
-60.0								
Center 1.908 GHz #Res BW 56 kHz		#VBW 16	0 KHz		Span #Sweep	10 MHz 100 ms	CF Step 1.000000 MHz	
Occupied Bandwidt 4.	հ 4785 Mł		Power	24.4	dBm		Auto Man Freq Offset	
Transmit Freq Error x dB Bandwidth	-516 4.827 №		Power		0.00 % 00 dB		0 Hz	

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FCC ID: 2AMO6QPHONE2019A

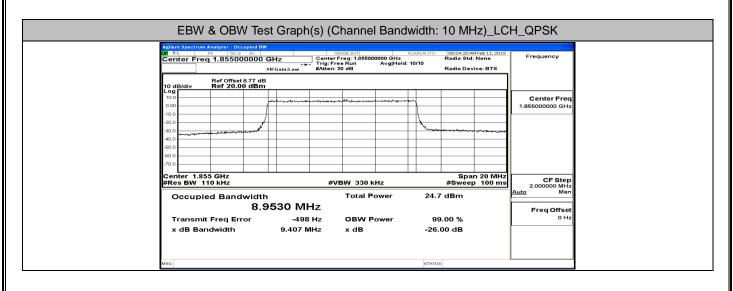


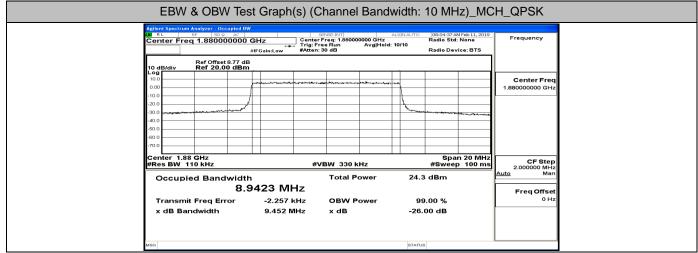


DB RL RF S0.9 AC SERVEINT ALLONAUTO OBIOID AM reb 11, 2019 Center Freq 1.907500000 GHz Center Freq: 1.907500000 GHz Radio Stdi None Radio Stdi None #IFGainLow #IFGainLow Frig. Free Run Avg Hold: 10/10 Radio Device: BTS							
Ref Offset 8.84 dB 10 dB/div Ref 20.00 dBm Log 10.0							
-10.0	ter-aneran and		ann de la	1			Center Freq 1.907500000 GHz
-20.0 ///////////////////////////////////				An anna an	4	Tayn/M-aynyyd-a-	
-70.0 Center 1.908 GHz #Res BW 56 kHz		#VBW 160 kH				n 10 MHz 5 100 ms	CF Step 1.000000 MHz
Occupied Bandwidth 4.4	739 MH	Total Po Z	ower	23.4	dBm		Auto Man
Transmit Freq Error x dB Bandwidth	-868 H 4.815 MH		ower		.00 % 00 dB		0 Hz

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FCC ID: 2AMO6QPHONE2019A

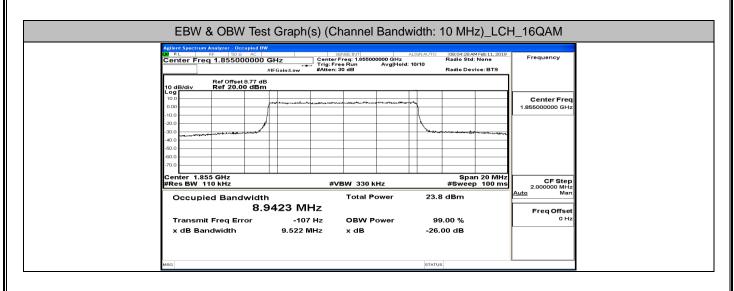


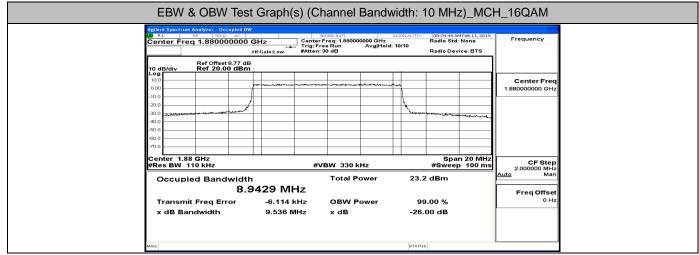


Agilent Spectrum Analyzer - Occupied BW		SENSE:INT AL	IGNAUTO 08:04:57 AM Feb 11, 2019 Radio Std: None	Frequency				
Center Freq: 1.905000000 GHz Center Freq: 1.905000000 GHz Radio Std: None #IFGain:Low #Atten: 30 dB ArgHold: 10/10 Radio Device: BTS								
Ref Offset 8.84 dB 10 dB/div Ref 20.00 dBm								
Log 10.0	for the state of the second second		7	Center Freq 1.905000000 GHz				
-10.0								
-30.0 40.00 -40.00								
-60.0								
Center 1.905 GHz			Span 20 MHz					
#Res BW 110 kHz	#	/BW 330 kHz	#Sweep 100 ms	CF Step 2.000000 MHz				
Occupied Bandwidth		Total Power	23.9 dBm	<u>Auto</u> Man				
	9455 MHz			Freq Offset 0 Hz				
Transmit Freq Error x dB Bandwidth	-8.177 kHz 9.523 MHz	OBW Power x dB	99.00 % -26.00 dB					

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FCC ID: 2AMO6QPHONE2019A

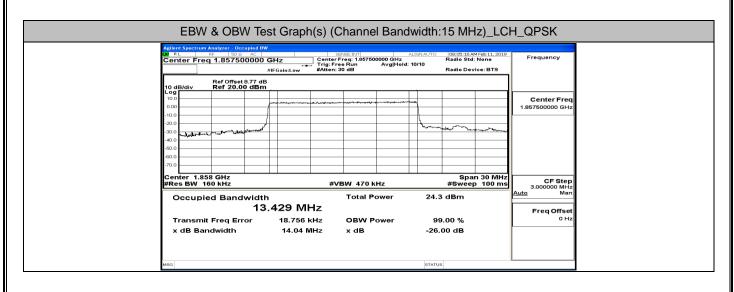


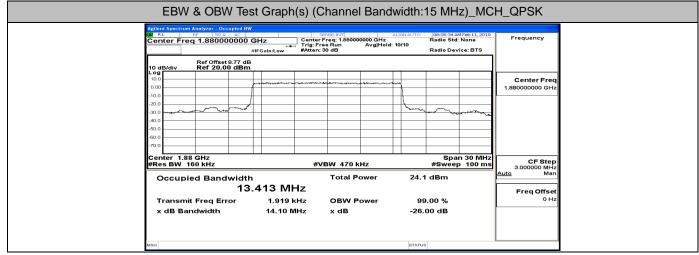


Applent Spectrum Analyzer - Occupied INV RL PR Start - Start									
Ref Offset 8.84 dB 10 dB/div Ref 20.00 dBm			Radio Device. B13						
Log 10.0 0.00		*****		Center Freq 1.905000000 GHz					
-10.0 -20.0 -30.0			harmon						
-40.0 -50.0 -60.0 -70.0									
Center 1.905 GHz #Res BW 110 kHz	#VE	330 kHz	Span 20 MHz #Sweep 100 ms						
Occupied Bandwidth 8.9	9563 MHz	Total Power	22.9 dBm	Auto Man Freg Offset					
Transmit Freq Error x dB Bandwidth	-7.199 kHz 9.523 MHz	OBW Power x dB	99.00 % -26.00 dB	0 Hz					

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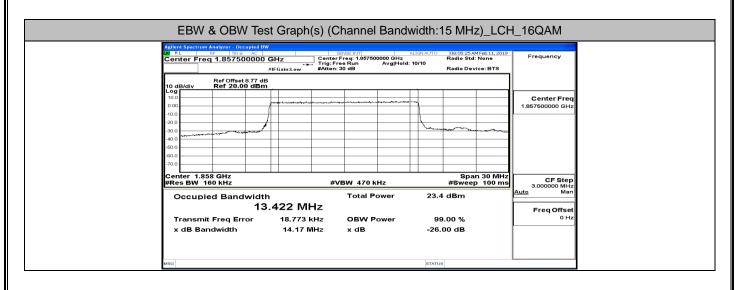


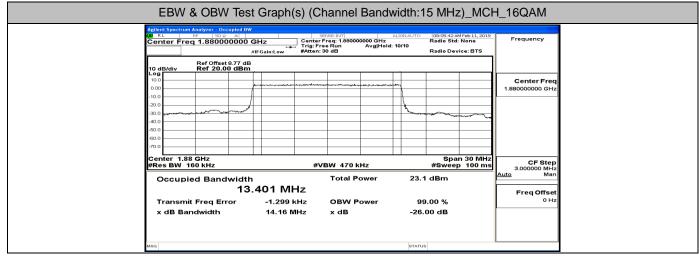


EBW & OBW Te Aglent Spectrum Analyzer Occupied IV RL RP 1000 Ac Center Freq 1.902500000	W Ser GHz Center Fr	vse:INT A req: 1.902500000 GHz 8 Run Avg Hold: /	vidth:15 MHz)_HC	
Ref Offset 9.84 dE 10 dB/div Ref 20.00 dBm 10 0 10	в			Center Frec 1.902500000 GH2
Center 1.903 GHz #Res BW 160 kHz Occupied Bandwidti		3W 470 kHz Total Power	Span 30 MHz #Sweep 100 ms 23.6 dBm	CF Step 3.000000 MHz <u>Auto</u> Man Freq Offset
Transmit Freq Error x dB Bandwidth	-21.462 kHz 17.91 MHz	OBW Power x dB	99.00 % -26.00 dB	0 Hz

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FCC ID: 2AMO6QPHONE2019A

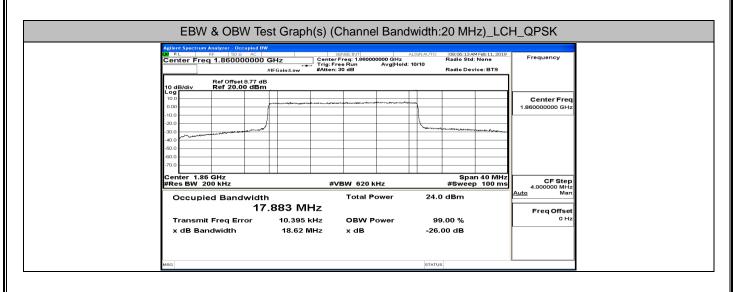


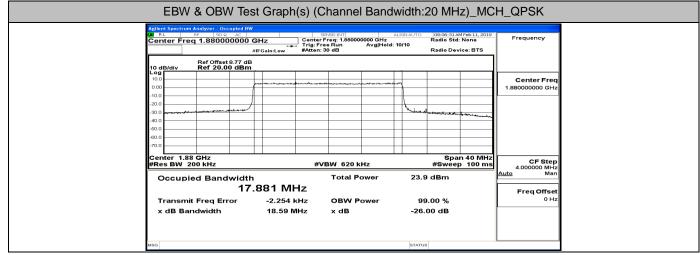


Center Fred 902500000 GHz
902500000 GHz
CF Step 3.000000 MHz
2 Man
Freq Offset
0 Hz
2

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FCC ID: 2AMO6QPHONE2019A

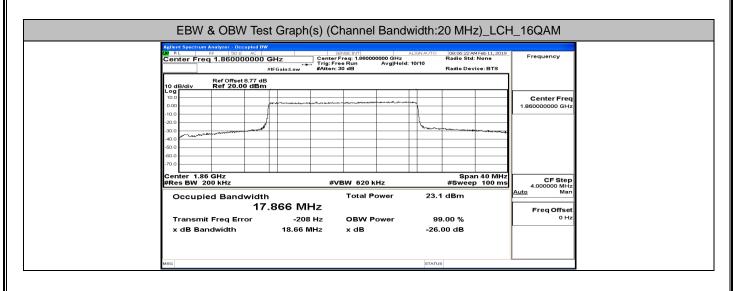


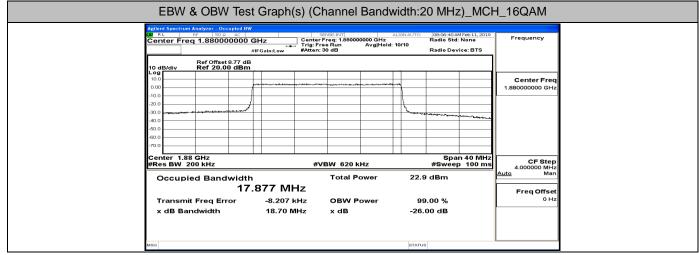


Center Freq 1.90000000	0000 GHz	IGN AUTO	08:06:50 A Radio Std	Frequency				
#IFGain:Low #Atten: 30 dB Radio Device: BTS								
Ref Offset 8.84 c 10 dB/div Ref 20.00 dB								
Log 10.0	manne		******		~			Center Freq
-10.0	1							1.2000000 GH2
-20.0					human			
-40.0								
-60.0								
-70.0								
Center 1.9 GHz #Res BW 200 kHz		#VE	Span 40 MHz VBW 620 kHz #Sweep 100 ms					CF Step 4.000000 MHz
Occupied Bandwid			Total P	ower	23.5	i dBm		<u>Auto</u> Man
-	7.870 MH	lz						Freq Offset
Transmit Freq Error -26.670 kHz x dB Bandwidth 18.70 MHz			OBW P	ower		00 % 00 dB		0 Hz

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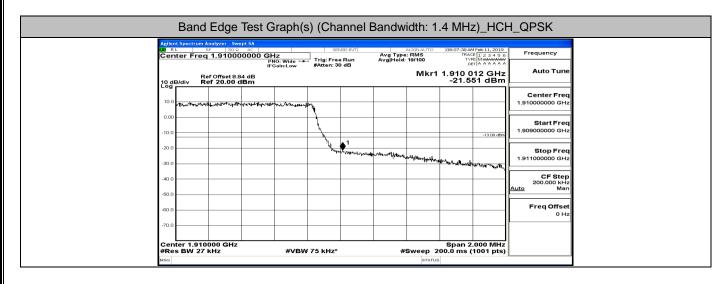


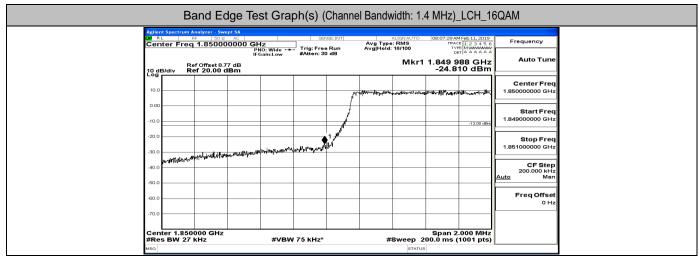
lglent Spetrum Analyzer - Occupied BW								
	Trig: Free Run Avg Hold: 10/10 #IFGain:Low #Atten: 30 dB Radio Device: BTS							
Ref Offset 8.84 d 10 dB/div Ref 20.00 dBr			_					
Log 10.0	mannen	ana an		Center Freq				
-10.0								
-30.0	×							
-40.0				~				
-60.0								
Center 1.9 GHz #Res BW 200 kHz		#VBW 620 kHz	Span 40 MH #Sweep 100 m	CF Step				
Occupied Bandwidt		Total Power	22.5 dBm	4.000000 MHz Auto Man				
	7.896 MHz			Freq Offset				
14				0 Hz				

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F.4 Band Edge

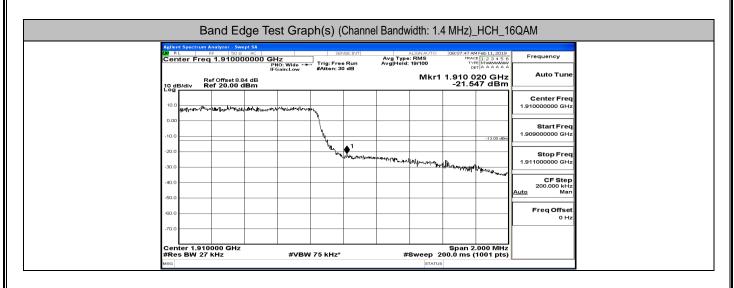
		Band	Edge	Test G	iraph(s	s) (Cha	annel E	Bandw	idth: 1.	.4 MHz	z)_LCF	I_QPSK
	RL	R		AC 0000 GH	Z O; Wide ↔	Trig: Free	SE:INT	Avg Type Avg Hold:	ALIGN AUTO : RMS 19/100	08:07:20 AM TRACE TYP	Feb 11, 2019	Frequency
	0 dB	Re /div Re	f Offset 8.7 ef 20.00 d	IFG 7 dB	ain:Low	#Atten: 30	dB		Mkr1	1.849 7		Auto Tune
_	10.0						~	at pose of the state of the sta	naphallatation	wi th ace,thermose, and the	etalesan Some	Center Freq 1.85000000 GHz
	0.00 -						, l				-13.00 dBm	Start Freq 1.849000000 GHz
-2	20.0 -		ير او	1m + nt .	1. Jic it alkalu	والمحارب والمارد	, ^d					Stop Freq 1.851000000 GHz
	30.0 40.0	Hopory Hilles II	hlurskaldhakta	Hit. Latyligenau	hauren fektioarte	And Constraints of						CF Step 200.000 kHz
	50.0 - 30.0 -											<u>Auto</u> Man Freq Offset
	70.0 -											0 Hz
		er 1.850 BW 27 I			#VBW	75 kHz*		#5	Sweep 20		000 MHz 1001 pts)	
MS	SG								STATUS			

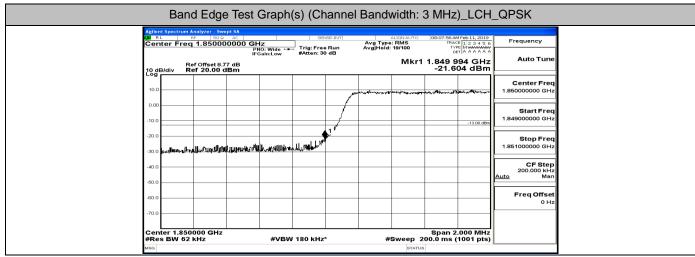




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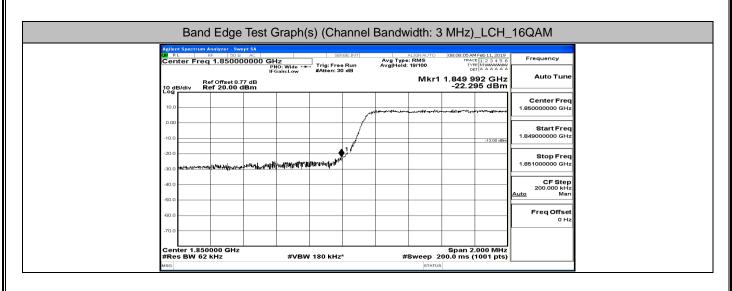


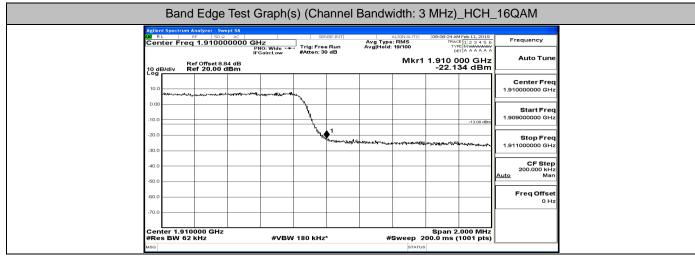


Agilent Spect	RF 5	Swept SA			SENSE:	INT		ALIGN AUTO	08:08:15 AM	Feb 11, 2019	-
Center F	Freq 1.910		Hz PNO: Wide ↔ FGain:Low	Trig: Fi #Atten:	ree Ru 30 dE		Avg Type Avg Hold:	: RMS 19/100	TRAC TYF DE	123456 MWWWWW TAAAAAA	Frequency
10 dB/div	Ref Offset Ref 20.0	8.84 dB	r Gam:Low			_		Mkr1	1.910 0	00 GHz 35 dBm	Auto Tune
10.0	www.upp.onth.de.	- Longel - Little?									Center Freq 1.910000000 GHz
0.00				~							
-10.0				À						-13.00 dBm	Start Freq 1.909000000 GHz
-20.0				h,	∖ ∳¹						Stop Freq
-30.0						har an	uba-waranyah	~~~~	herversely and the particular of the second s	Birn, childreyrigi	1.911000000 GHz
-40.0					_						CF Step 200.000 kHz Auto Man
-50.0											Auto Man
-60.0											Freq Offset 0 Hz
-70.0			_								

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FCC ID: 2AMO6QPHONE2019A

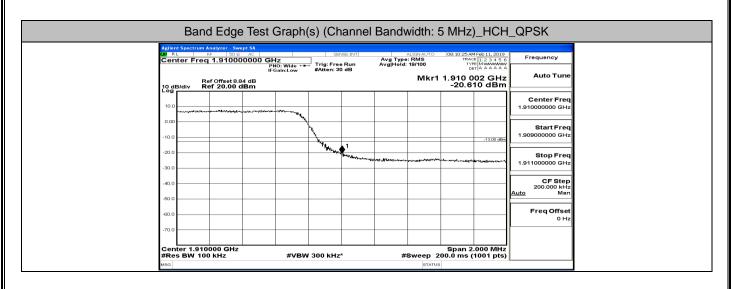


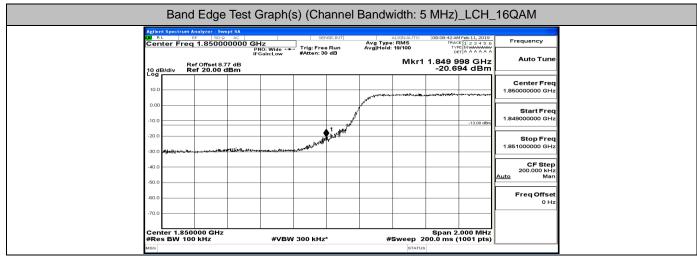


Agilent Spectrum Analyzer - Sv LXI RL RF 50 s		SENSE:INT	ALIGNAUTO	08:08:33 AM Feb 11, 2019	
Center Freq 1.8500	00000 GHz	rig: Free Run	Avg Type: RMS Avg Hold: 19/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET A A A A A A	Frequency
Ref Offset 8 10 dB/div Ref 20.00	.77 dB	Atten: 30 dB	Mkr1	1.849 990 GHz -19.126 dBm	Auto Tune
10.0			مەرەمەسىيىتىيە مەرەمەسىيىتى	and the second and the second se	Center Freq 1.85000000 GHz
-10.0		/			Start Freq 1.849000000 GHz
-20.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-13.00 dBm	Stop Freq
-30.0 mounthuspland	สารจากการการการการการการการการการการการการกา	04444-1			1.851000000 GHz
-40.0					CF Step 200.000 kHz Auto Man
-60.0					Freq Offset 0 Hz
-70.0					

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FCC ID: 2AMO6QPHONE2019A



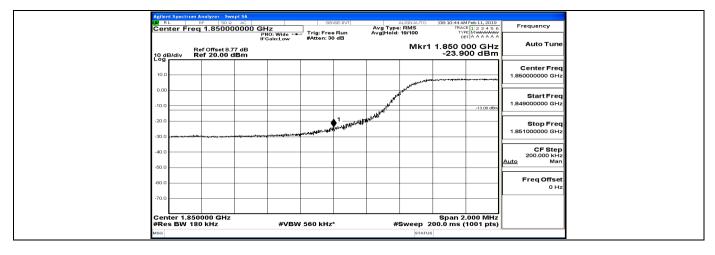


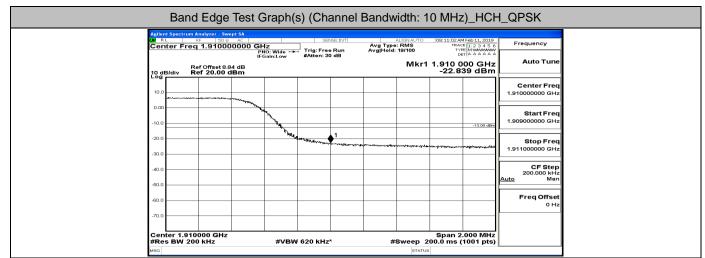
Agilent Spectrum Analyzer - Swept		ISE:INT AL	IGN AUTO 08:10:34 AM Feb :	11 2019
Center Freq 1.910000		Avg Type:	RMS TRACE 1 2 9/100 TYPE MW DET A A	Frequency
Ref Offset 8.84 c 10 dB/div Ref 20.00 dB	IFGain:Low #Atten: 30) dB	Mkr1 1.910 002 -20.959	GHz Auto Tune
10.0				Center Freq 1.910000000 GHz
-10.0	A COLOR OF C			Start Freq 1.909000000 GHz
-20.0	Weinweit	1		3.00 dBm Stop Freq
+30.0		a set the fact of the set of the	B	1.911000000 GHz
-40.0				CF Step 200.000 kHz <u>Auto</u> Man
-60.0				Freq Offset
-70.0				

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

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FCC ID: 2AMO6QPHONE2019A

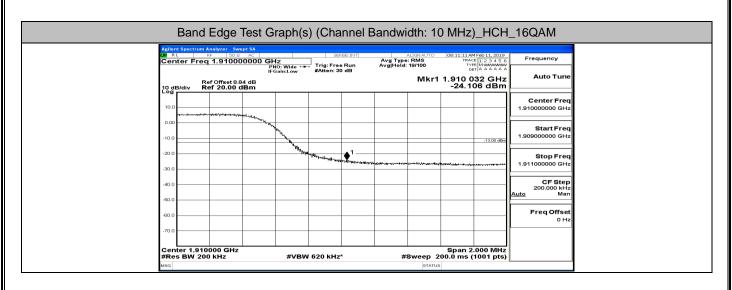




Agilent Spectrum Analyzer - Swept SA	SENSE:INT	ALIGNAUTO 08:	:10:53 AM Feb 11, 2019	
Center Freq 1.85000000 0	SHZ PNO: Wilde ++++ Trig: Free Run	Avg Type: RMS Avg Hold: 18/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET A A A A A A	Frequency
Ref Offset 8.77 dB 10 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dB	Mkr1 1.8	349 976 GHz 25.553 dBm	Auto Tune
10.0				Center Freq 1.85000000 GHz
-10.0			-13.00 dBm	Start Freq 1.849000000 GHz
-20.0		No Contraction		Stop Freq 1.851000000 GHz
-30.0 				CF Step 200.000 kHz Auto Man
-60.0				Freq Offset 0 Hz
-70.0				

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FCC ID: 2AMO6QPHONE2019A

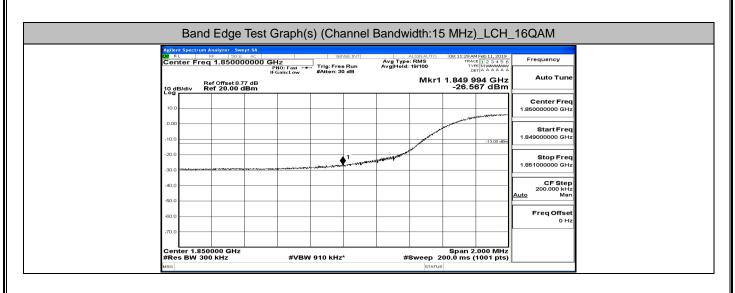


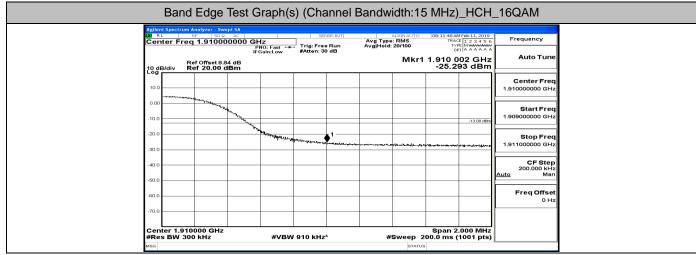
Anti		and E	-		Graph(s) (Ch	annel	Bandv	/idth:1	5 MHz	:)_LCH	_QPSK
LXI	RL		50 Ω .		IO: East -	Trig: Free	Run	Avg Type Avg Hold:	LIGN AUTO : RMS 19/100	08:11:20 AM TRAC TVE	4 Feb 11, 2019 E 1 2 3 4 5 6 E MWWWWWW T A A A A A A	Frequency
10 Log	dB/div	Ref Off Ref 20	set 8.77 d D.00 dB	IFG d B	ain:Low	#Atten: 30) dB		Mkr1	1.849 9	92 GHz 71 dBm	Auto Tune
10.												Center Freq 1.85000000 GHz
-10.									and an and a second	Part and a state of the state o	-13.00 dBm	Start Freq 1.849000000 GHz
-20.	o urilde	وللقراءية وسأساء	whenter	up the surface of the second	on your with the state of the	where we want	1	and a state of the				Stop Freq 1.85100000 GHz
-30.												CF Step 200.000 kHz
-60.	•											<u>Auto</u> Man
-60.	0											Freq Offset 0 Hz
-70.	0											
		.850000 300 kH			#VBW	910 kHz	*	#	Sweep 2		.000 MHz 1001 pts)	
MSG									STATUS			

	2 AC	SENSE:INT	ALIGNAUTO 08:11:	38 AM Feb 11, 2019	Frequency
Center Freq 1.9100 Ref Offset 8; 10 dB/div Ref 20.00	PNO: Fast Trig: IFGain:Low #Atte 84 dB	Avg I Free Run Avg H n: 30 dB	Mkr1 1.91	TYPE MWWWW DET A A A A A A 0 042 GHz .853 dBm	Auto Tune
10.0					Center Freq 1.91000000 GHz
-10.0				-13.00 dBm	Start Freq 1.90900000 GHz
-20.0	and the state of the second	1	**************************************	Partition and an a fair of the state of the	Stop Freq 1.911000000 GHz
-40.0					CF Step 200.000 kHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz

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FCC ID: 2AMO6QPHONE2019A

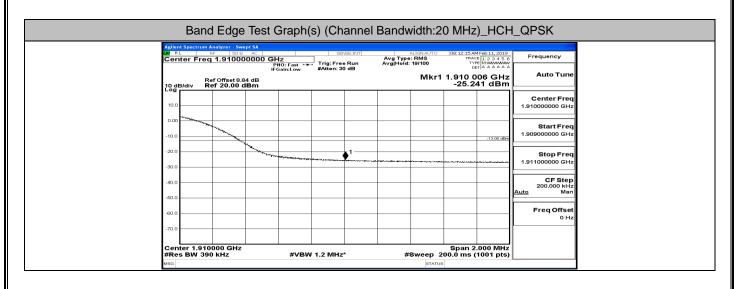




Agilent Spectrum Analyzer - Swept SA XM RL RF 50 Ω AC Center Freq 1.85000000		ALIGNAUTO 08:11:57 AM Feb 11, 2019 Avg Type: RMS TRACE 12 2 4 5 6	Frequency
Ref Offset 8.77 dB 10 dB/div Ref 20.00 dBm	PNO: Fast +++ IFGain:Low #Atten: 30 dB	Avg Type: RMS Avg Hold: 20/100 Mkr1 1.849 994 GHz -24.638 dBm	A
10.0			Center Freq 1.85000000 GHz
-10.0		-13.00 dBn	Start Freq 1.849000000 GHz
-20.0	1	unerserver and	Stop Freq 1.851000000 GHz
-40.0			CF Step 200.000 kHz Auto Man
-60.0			Freq Offset
-70.0			

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FCC ID: 2AMO6QPHONE2019A



		nd Edge		aph(s) (Cha	annel E	Bandwi	idth:20) MHz)	_LCH_	_16QAM	
00 Ce	anter F	rum Analyzer - Swa RF 50 Ω Treq 1.85000 Ref Offset 8.7 Ref 20.00 d	AC 0000 GHz PNO IFGai 7 dB	: Fast ↔ n:Low	1	Run dB	Avg Type: Avg Hold:	19/100	1.850 00	123456 MMMMM AAAAAA	Frequency Auto Tune	
10	-										Center Freq 1.85000000 GHz	
0.1									The second and the second	-13.00 dBm	Start Freq 1.849000000 GHz	
-20	~~~~~					1	nemenen en	and white down and			Stop Freq 1.851000000 GHz	
-40											CF Step 200.000 kHz Auto Man	
-50	-										Freq Offset	
-70												
	es BW	850000 GHz 390 kHz		#VBW	1.2 MHz	x	#5	Sweep 20	Span 2.0 00.0 ms (1			

Center Freq 1.910000000 GHz Irigi Free Run Irigi Free Run Irigi Free Run Irigi Free Run Irigi Free Run Martin: 30 dB Avg Type: RMS AvgIHeid: 19100 Trice [1:3:3:4:5] Trice [1:3:3:4:6] AvgIHeid: 19100 Frequency Frequency Ref Offset 8:84 dB Mkr1 1.910 026 GHz -26.873 dBm Auto Tune Auto Tune 100 Irigi Free Run Ref Offset 8:84 dB Mkr1 1.910 026 GHz -26.873 dBm Center Freq 1.91000000 GHz Auto Tune 100 Irigi Free Run Ref Offset 8:84 dB Irigi Free Run Ref Offset 8:84 dB Mkr1 1.910 026 GHz Auto Tune 100 Irigi Free Run Ref Offset 8:84 dB Irigi Free Run Ref Offset 8:84 dB Irigi Free Run Ref Offset 8:84 dB Irigi Free Run Ref Offset 8:84 dB Auto Tune 100 Irigi Free Run Ref Offset 8:84 dB Irigi Free Ref Off	Agilent Spectrum Analyzer - Sw W RL RF 50 Q Center Freq 1.91000	AC	SENSE:INT	ALIGNAUTO 08:12 Type: RMS	2:24 AM Feb 11, 2019 TRACE 1 2 3 4 5 6	Frequency
10.0 Center Freq 10.0	Ref Offset 8.1	PNO: Fast ↔ Trig: F IFGain:Low #Atten 84 dB	ireeRun Avgi 1:30 dB	Mkr1 1.91	TYPE MANAAAA DET A A A A A A 0 026 GHz 6.873 dBm	Auto Tune
10.0						
.300 .300 <th< td=""><td></td><td></td><td></td><td></td><td>-13.00 dBm</td><td></td></th<>					-13.00 dBm	
-50.0		and a second and a second seco	• • • • • • • • • • • • • • • • • • •		1000 mg - 100 mg - 10	
-60.0 Freq Offset						200.000 kHz

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F.5 Conducted Spurious Emission

Auto Ture Build of the second se							Chann	el Ban	dwidth	n: 1.4 M	/Hz)_l	_CH_C	PSK
Indext Allow Tune 1-2	LXI	RL	R	F 50 Ω			SEN	ISE:INT		ALIGNAUTO	08:12:43 AM	Feb 11, 2019	Frequency
No Image: State of the s			Re		PN	IO: Wide ↔ Sain:Low	Atten: 10	Run I dB	Avg Hold:				Auto Tune
31 31 <td< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		-											
1-1 1<													
Image: Start Freq 15.075000 MHz Prequency Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.075000 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 MHz Image: Start Freq 15.07500 M												-43:00 dBm	
3.1 4													14.100 kHz
Start 50 KHz Bisart			t d. Amerik		n.A.	r.m.m.		u Mealhead	h Matanhar		www.	un des	
Rec BW 1.0 kHz #VBW 3.0 kHz* Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 170 lbg Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 170 lbg Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 170 lbg Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100 lpg) Image: Sweep 174.0 ms (100			1		wy www.	and Anton A	nn Nutra	and the own	ryw wywerife	lldh. «A. I. i			
mit tuto	#I MS	a	8W 1.0	kHz	ant SA	#VBW	3.0 kHz*				74.0 ms (*	1001 pts)	
Image: Contract Solution Production Mixer: 10 dB Mixer: 2.329 MHz Auto Tune 10 dBirlow Ref 5.58 dBm -57.638 dBm -57.638 dBm Center Freq 14 1	LXI	RL	. R	F 50 Ω	∆∝ 000 MHz PI	NO:Fast 🔸	SEN	Run	Avg Type Avg Hold:	ALIGNAUTO : RMS 8/100	08:12:48 AM TRACI TVP	Feb 11, 2019	Frequency
-1.42 -1.42 Center Freq -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 -1.42 -1.44 -1.42 <td< td=""><td>19</td><td>) dB</td><td>Re Maiv Re</td><td>f Offset 8.5 ef 8.58 di</td><td>140</td><td>Sain:Low</td><td>#Atten: 10</td><td>dB</td><td></td><td></td><td>lkr1 2.3</td><td>29 MHz</td><td>Auto Tune</td></td<>	19) dB	Re Maiv Re	f Offset 8.5 ef 8.58 di	140	Sain:Low	#Atten: 10	dB			lkr1 2.3	29 MHz	Auto Tune
314 314 314 315000 Htz 314 314 314 31000 Htz 314 314 31000 Htz 300000 Htz 314 314 300000 Htz 300000 Htz 314 314 300000 Htz 300000 Htz 314 314 300000 Htz Stop Freq 314 314 30000000 Htz Stop Freq 314 314 30000000 Htz Stop Freq 315 3150000000 Htz Stop Freq 31600 Htz 314 31600 Htz #VBW 30 KHz* Sweep 38.3 ms (1001 ptz) 316 3150000000 Htz Arg Type: RMa Avg Type Stop Stop Stop Stop Stop Stop Stop Stop	-1	.42											
41.4 3.0.0 Prequency 3.0.0 Prequency 3.0.00000 MHz 3.1.4 4.1.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Start Freq 150.000 kHz</td></td<>													Start Freq 150.000 kHz
												-33.00 dDm	Stop Freq 30.000000 MHz
71.4			1										2.985000 MHz
Start 150 HHz #VBW 30 KHz* Stop 36.3 ms (1001 pts) #so #so Stop 10.00 HHz #VBW 30 KHz* Stop 26.00 GHz Transfer 10 000 GHz #VBW 3.0 MHz* Stop 26.00 GHz 10 dB/div Ref 30.00 dBm 10 dB/div Ref 3			┉╻╽╏										
#Res EW 10 kHz #VBW 30 kHz* Sweep 368.3 ms (1001 pts) wsc istratus @C Coupled ////////////////////////////////////			150 kHz		kalan yang kanan kalan kanan kalan kanan kalan kanan kana Kalan kanan kana	Yyradina	, Alian Alpana Anglah	1974-yi dayi ya selan	endlernheimen	heyddarad ywlaedd yn ywlaedd yn yn ywlaeg yn yn ywlaeg yn			
R.L. IP DO O CHIERAN Auspress Frequency Center Freq 33.01500000 GH2 Tig:Frea Ran Avg Type: RAN Tig:Frea Ran Avg Type: RAN Tig:Frea Ran Auto Tune Indication Frequency Auto Tune Auto Tune Auto Tune Auto Tune Indication Frequency Auto Tune Auto Tune Auto Tune Auto Tune Indication Ref Offset 7.98 dB Mkr: 2.56 686 GH2 Mkr: 2.56 686 GH2 Indication Auto Tune Indication Indication<	# MS	Res	8W 10	kHz		#VBW	30 kHz*				68.3 ms (*	1001 pts)	
Ref Offset 7.98 dB Mkr2 25.688 GHz Auto Tune 10 dB/div Ref 30.00 dBm -30.821 dBm -30.821 dBm 20 0 1 </td <td>LXI</td> <td>RL</td> <td>. R</td> <td>F 50 Ω</td> <td>AC 00000 G</td> <td>Hz</td> <td></td> <td></td> <td></td> <td>ALIGNAUTO : RMS 4/100</td> <td>08:12:52 AM TRACI TVP</td> <td>Feb 11, 2019 E 1 2 3 4 5 6 E MWMMMMM</td> <td>Frequency</td>	LXI	RL	. R	F 50 Ω	AC 00000 G	Hz				ALIGNAUTO : RMS 4/100	08:12:52 AM TRACI TVP	Feb 11, 2019 E 1 2 3 4 5 6 E MWMMMMM	Frequency
Log Center Freq 200 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 100 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200 1 1 200<	10	dB	Re Maiv R e	of Offset 7.9		io:Fast Sain:Low	#Atten: 40	dB	an girivia:		(r2 25.6	88 GHz	Auto Tune
10.0 Start Freq 0.00 1300 mm 10.0 1300 mm 20.0 1300 mm 30.0 1300 mm 30.0 1300 mm 40.0 1300 mm 40.0 1300 mm 50.0 100 mm 50.0 100 mm 5tart 30 MHz #VBW 3.0 MHz* Stop 26.00 GHz 100 mm													Center Freq 13.015000000 GHz
200 26.00000000 GHz 300 300 400 300 500 500 600 600 500 600 500 500 500 600 500 600 600 600 500 600 500 600 500 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 600 700 700 800 700 800 700 800 700 800 700 800 700 800 700 800 700 800 700 800 700 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
30.0	-1	0.0										-13.00 dBm	
400	-3	0.0							and the second second	معن بين المراجع المستقر من	and the state of the	, myun t	2.597000000 GHz
.60.0		ł	And a state of the	Markan - waar	and a state of the	herrownersh	Marray and a state	un gring & hour of the officer of		-			Freq Offset
#Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 64.93 ms (1001 pts)													
STATUS	#	Res	30 MHz BW 1.0	MHz		#VBW	3.0 MHz	x			4.93 ms (*	6.00 GHz 1001 pts)	

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		CS	E Test	Graph(s) (Chann	el Bandwid	lth: 1.4 M	Hz)_MC	H_QPS	К
Agile	nt Spectru R L	m Analyzer -	Swept SA		SENSE:II	NT I	ALIGNAUTO	08:13:15 AM	Feb 11, 2019	
Ce	nter Fr	eq 79.50	0 kHz	PNO: Wide	Trig: Free Ru #Atten: 10 dB	Avg Tr n Avg Ho	rpe: RMS Id: 8/100	TRACE TYPE	123456 MWWWW TAAAAAA	Frequency
10 9	B/div	Ref Offset Ref 8.58		FGain:Low	#Atten: 10 db		Mk	r1 149.4		Auto Tune
-1.43										Center Freq 79.500 kHz
-11.	4		_							Start Freq
-21	4									9.000 kHz
-31.	4									Stop Freq 150.000 kHz
-41	4								-43.00 dBm	CF Step 14.100 kHz
-61.									1.	14.100 KHZ Auto Man
-71.	4			h	M. J. mar A		MA at	1.01.00 A	MAN	Freq Offset 0 Hz
-81	4 VP VI	profiling from	www.	And the offer	ANY WANDAL	Marina	had the second of the second	an na an a	huttur. A	
#R	rt 9.00 es BW 7	kHz 1.0 kHz		#VBW	/ 3.0 kHz*		Sweep 1	74.0 ms (1		
MSG Aglic	nt Spectru	ım Analyzer -	Swept SA				STATUS	L DC Cou		
Ce	nter Fr	eq 15.07	<u>∞ ∝ ∧ ⊳⊂</u> 5000 MHz	Z PNO: Fast ↔ FGain:Low	Trig: Free Ru #Atten: 10 dB	n Avg Ho	ALIGN AUTO pe: RMS Id: 9/100	08:13:20 AM TRACE TYPE DE	Feb 11, 2019 1 2 3 4 5 6 MWWWWW T A A A A A A	Frequency
10.5	B/div	Ref Offset Ref 8.58	8.58 dB				N	1kr1 2.3		Auto Tune
-1.43										Center Freq 15.075000 MHz
-11.	4									Start Freq
-21	4	_								150.000 kHz
-31	4								-99.00 dDm	Stop Freq 30.000000 MHz
-41	4	_1								CF Step
-61.	l ∎	T.								2.985000 MHz <u>Auto</u> Man
-71.	· M									Freq Offset 0 Hz
-81.4	┥┥┦┤	II WANKA	thereteret	on for the state of the state o	กระแม่งตั้งให ่ สุขา นจะ สมัยงะเข้าเจ	domfatalite	planaphturanternange	w[waent an apa	งานทางการการกุ่งง	
Sta #Re	es BW	kHz 10 kHz		#VBW	/ 30 kHz*	I	Sweep 3	68.3 ms (1		
MSG Agilt	nt Spectru	ım Analyzer -	Swept SA					L DC Cou		
LXI	RL	RF 5	5000000	PNO: Fast 🗝	SENSE:II	n Avg T	ALIGNAUTO pe: RMS ld: 4/100	08:13:23 AM TRACE TYP	Feb 11, 2019	Frequency
10	B/div	Ref Offset Ref 30.0		FGain:Low	#Atten: 40 dB			₀e kr2 25.6		Auto Tune
20/	B/div									Center Freq
20.1		21								13.015000000 GHz
0.0			_							Start Freq 30.000000 MHz
-10.0	·								-13.00 dBm	Stop Freq
-20.0									2	26.00000000 GHz
-30.1							and the second	mannen	and the second the	CF Step 2.597000000 GHz Auto Man
-50.0	sum.				The sector of th					Freq Offset 0 Hz
-60.0			_							0 Hz
Sta #P	unt 30 M es BW	Hz 1.0 MHz		#VBM	/ 3.0 MHz*		Sweep 64	Stop 26	5.00 GHz 1001 pts)	
MSG							STATUS			

			CSE	Test	Graph	(s) (Cha	annel B	andwidt	h: 1.4 M	Hz)_HC	CH_QPS	K	
	RL	RF	alyzer - Sw = 50 Ω 79.500			SE	NSE:INT	Avg Type Avg Hold	ALIGNAUTO	08:13:49 A	M Feb 11, 2019 EE 1 2 3 4 5 6 PE MWWWWW ET A A A A A A	Frequency	
		Rei		P IF	PNO: Wide 🔸 Gain:Low	#Atten: 1	e Run 0 dB	AvgHold		kr1 98.	676 kHz	Auto Tune	
		div Re	f Offset 8.6 f 8.58 di	3m						-68.1	26 dBm	Center Freq	
	1.42											79.500 kHz	
	21.4 —											Start Freq 9.000 kHz	
-3	31.4 —											Stop Freq 150.000 kHz	
	41.4										-43:00 dBm	CF Step	
	51.4 -											14.100 kHz <u>Auto</u> Man	
-7	71.4 —	As		. (1	0.0	a ni Aa			A	. A A	Freq Offset 0 Hz	
-6	31.4 V	V m Ally	nad Adam	pr ^{ar} ipan'	her all her shall	an Miniter	thy they a	WAR WHILL	month	WWWW	prin print h		
#	Res	9.00 kHz BW 1.0	z kHz		#VBW	/ 3.0 kHz*		-		74.0 ms (50.00 kHz (1001 pts)		
	sg gilent S 7 R L	Spectrum Ar	nalyzer - Swi = 50 Q	apt SA		I en	NSE:INT		ALIGNAUTO	DC Cou	M.Eeb 11, 2019		
C				00 MHz	PNO: Fast 🔸			Avg Type Avg Hold	8/100	TRAI TY D	E 1 2 3 4 5 6 PE MWWWW ET A A A A A A	Frequency	
2	0 dB/d	div Re	f Offset 8.6 f 8.58 di	8 dB 3m		1			IV.	1kr1 2.8 -53.7	07 MHz 95 dBm	Auto Tune	
-1	1.42 —											Center Freq 15.075000 MHz	
	11.4 —											Start Freq	
	21.4 — 31.4 —										-30.00 dBm	150.000 kHz	
	41.4											Stop Freq 30.000000 MHz	
	51.4 —	<u>п</u> ,	1									CF Step 2.985000 MHz <u>Auto</u> Man	
	51.4 71.4	will	1									Freq Offset	
-8	31.4 —	ψД	14 1	hikantaka	www.	ي 1984 م يايوار موايو الرام ا	all makes and	a deselfer name all the	aliter North Street of the	-	han and the second second	0 Hz	
s #	tart Res	150 kHz BW 10 k				/ 30 kHz*				Stop 3	0.00 MHz (1001 pts)		
MS	SG				****					DC Co			
	RL	RF	nalyzer - Swi = 50 ຊ 13.0150		GHz PNO: Fast ↔	Sei	e Run	Avg Type Avg Hold	ALIGNAUTO E: RMS E 4/100	08:13:57 A	M Feb 11, 2019 EE 1 2 3 4 5 6 PE MWWWWW ET A A A A A A	Frequency	
11	0 dB/d	Rei div R e	f Offset 7.9 f 30.00 (-Gain:Low	#Atten: 4	u dB				888 GHz 95 dBm	Auto Tune	
	20.0											Center Freq 13.015000000 GHz	
	10.0 —	^1										Start Freq	
	0.00				+							30.000000 MHz	
	20.0										-13.00 dBm	Stop Freq 26.000000000 GHz	
	30.0 —									Net	and the second	CF Step 2.597000000 GHz	
-4	40.0 ~	and the second	and and a second se		den an	and the second	and and	and the second second	and the second	Annese prover and	- mad	Auto Man	
	50.0 — 50.0 —											Freq Offset 0 Hz	
		30 MHz								Stop 2	6 00 GH-		
#	Res	BW 1.0	MHz		#VBW	/ 3.0 MHz	*		Sweep 6		6.00 GHz (1001 pts)		