Appendix E: Test Data for E-UTRA Band 4

Product Name: 3G/4G Smart Phone **Trade Mark: DOOGEE** Test Model: S88Plus

Environmental Conditions

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

E.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)								
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict		
wouldtion	Channel	Size	Offset	QPSK	16QAM	Verdict		
		1	0	21.07	20.10	PASS		
		1	3	21.20	20.23	PASS		
		1	5	21.09	20.04	PASS		
	LCH	3	0	21.24	20.12	PASS		
		3	2	21.23	20.13	PASS		
		3	3	21.23	20.09	PASS		
		6	0	20.19	19.21	PASS		
		1	0	21.95	21.12	PASS		
		1	3	22.15	21.31	PASS		
QPSK /		1	5	22.01	21.17	PASS		
16QAM	MCH	3	0	22.09	20.99	PASS		
TOQAIN		3	2	22.06	21.01	PASS		
		3	3	22.10	21.01	PASS		
		6	0	21.03	20.14	PASS		
		1	0	21.57	20.71	PASS		
		1	3	21.64	20.86	PASS		
		1	5	21.57	20.70	PASS		
	НСН	3	0	21.65	20.55	PASS		
		3	2	21.66	20.56	PASS		
		3	3	21.69	20.59	PASS		
		6	0	20.60	19.54	PASS		

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	Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)								
Madulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	\/erdiet			
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict			
		1	0	21.11	20.37	PASS			
		1	7	21.10	20.21	PASS			
		1	14	21.07	20.17	PASS			
	LCH	8	0	20.18	19.25	PASS			
		8	4	20.15	19.23	PASS			
		8	7	20.11	19.17	PASS			
		15	0	20.09	19.20	PASS			
		1	0	21.96	21.10	PASS			
		1	7	22.05	21.19	PASS			
QPSK /		1	14	22.11	21.27	PASS			
16QAM	MCH	8	0	20.96	20.03	PASS			
IOQAIVI		8	4	20.99	20.05	PASS			
		8	7	21.06	20.18	PASS			
		15	0	21.01	20.02	PASS			
		1	0	21.68	20.60	PASS			
		1	7	21.66	20.55	PASS			
		1	14	21.62	20.52	PASS			
	НСН	8	0	20.64	19.71	PASS			
		8	4	20.62	19.70	PASS			
		8	7	20.62	19.70	PASS			
		15	0	20.59	19.57	PASS			

	Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict			
Woodlation	Ondriner	Size	Offset	QPSK	16QAM	Verdict			
		1	0	21.12	20.21	PASS			
		1	12	21.14	20.18	PASS			
		1	24	20.87	19.96	PASS			
	LCH	12	0	20.10	19.10	PASS			
		12	6	20.13	19.11	PASS			
		12	13	20.06	19.01	PASS			
		25	0	20.10	19.10	PASS			
	МСН	1	0	21.79	20.97	PASS			
		1	12	22.14	21.36	PASS			
QPSK /		1	24	22.13	21.36	PASS			
UPSK / 16QAM		12	0	20.92	20.02	PASS			
IOQAIVI		12	6	20.89	19.98	PASS			
		12	13	21.17	20.29	PASS			
		25	0	21.10	20.16	PASS			
		1	0	21.74	20.70	PASS			
		1	12	21.71	20.76	PASS			
		1	24	21.58	20.60	PASS			
	НСН	12	0	20.66	19.72	PASS			
		12	6	20.61	19.75	PASS			
		12	13	20.65	19.68	PASS			
		25	0	20.66	19.78	PASS			

		Conducted	d Output Pow	ver Test Result (Channel Band	dwidth: 10 MHz)	
Modulation Channel		RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			5100
		1	0	21.10	20.38	PASS
		1	24	21.10	20.25	PASS
		1	49	20.87	20.02	PASS
	LCH	25	0	20.05	19.09	PASS
		25	12	20.05	19.08	PASS
		25	25	20.10	19.11	PASS
		50	0	20.08	19.10	PASS
	МСН	1	0	21.51	20.73	PASS
		1	24	22.14	21.41	PASS
QPSK /		1	49	22.19	21.40	PASS
16QAM		25	0	20.90	20.01	PASS
IOQAIVI		25	12	20.86	20.00	PASS
		25	25	21.40	20.49	PASS
		50	0	21.12	20.20	PASS
		1	0	21.89	20.79	PASS
		1	24	21.87	20.70	PASS
		1	49	21.60	20.50	PASS
	НСН	25	0	20.93	20.04	PASS
		25	12	20.95	20.04	PASS
		25	25	20.74	19.83	PASS
		50	0	20.82	19.89	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)								
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict		
		Size	Offset	QPSK	16QAM			
		1	0	20.97	20.21	PASS		
		1	37	20.80	20.05	PASS		
		1	74	20.95	20.18	PASS		
	LCH	37	0	20.01	20.03	PASS		
		37	18	20.04	20.02	PASS		
		37	38	20.03	20.01	PASS		
		75	0	20.03	18.95	PASS		
	МСН	1	0	21.11	20.45	PASS		
		1	37	22.07	21.35	PASS		
		1	74	22.02	21.33	PASS		
QPSK / 16QAM		37	0	21.07	21.05	PASS		
IOQAIVI		37	18	21.06	21.05	PASS		
		37	38	21.06	21.06	PASS		
		75	0	21.05	20.12	PASS		
		1	0	22.02	20.94	PASS		
		1	37	21.86	20.77	PASS		
		1	74	21.51	20.41	PASS		
	НСН	37	0	21.00	21.00	PASS		
		37	18	20.98	21.00	PASS		
		37	38	21.02	21.00	PASS		
		75	0	21.03	20.03	PASS		

	Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)								
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict			
		Size	Offset	QPSK	16QAM				
		1	0	20.88	19.92	PASS			
		1	49	21.14	20.06	PASS			
		1	99	21.37	20.42	PASS			
	LCH	50	0	19.72	18.72	PASS			
		50	25	19.70	18.75	PASS			
		50	50	20.06	19.14	PASS			
		100	0	19.89	18.96	PASS			
	МСН	1	0	20.76	19.93	PASS			
		1	49	22.13	21.35	PASS			
		1	99	21.83	20.95	PASS			
QPSK /		50	0	20.60	19.70	PASS			
16QAM		50	25	20.63	19.73	PASS			
		50	50	21.34	20.47	PASS			
		100	0	21.00	20.12	PASS			
		1	0	21.79	20.92	PASS			
		1	49	21.86	21.04	PASS			
		1	99	21.17	20.31	PASS			
	НСН	50	0	21.14	20.27	PASS			
		50	25	21.16	20.28	PASS			
		50	50	20.68	19.81	PASS			
		100	0	20.95	20.03	PASS			

E.2 Peak-to-Average Ratio

	Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channer	[dB]	[dB]	Verdict				
	LCH	5.37	<13	PASS				
QPSK	MCH	5.29	<13	PASS				
	НСН	5.23	<13	PASS				
	LCH	6.19	<13	PASS				
16QAM	MCH	6.12	<13	PASS				
	НСН	6.08	<13	PASS				

	Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
wouldton	Ghannei	[dB]	[dB]	Verdict				
	LCH	5.39	<13	PASS				
QPSK	MCH	5.39	<13	PASS				
	НСН	5.29	<13	PASS				
	LCH	6.24	<13	PASS				
16QAM	MCH	6.21	<13	PASS				
	НСН	6.11	<13	PASS				

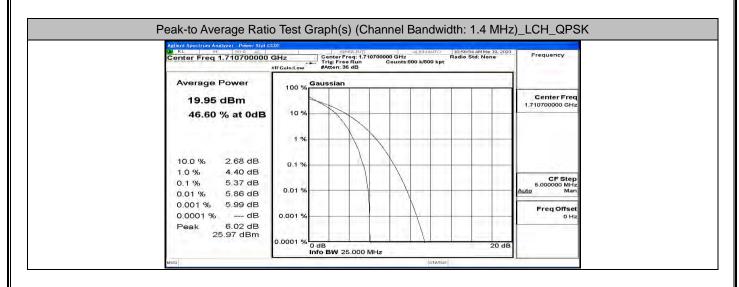
	Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
MODULATION	Channel	[dB]	[dB]	Verdict				
	LCH	5.53	<13	PASS				
QPSK	MCH	5.42	<13	PASS				
	HCH	5.44	<13	PASS				
	LCH	6.24	<13	PASS				
16QAM	MCH	6.23	<13	PASS				
	HCH	6.18	<13	PASS				

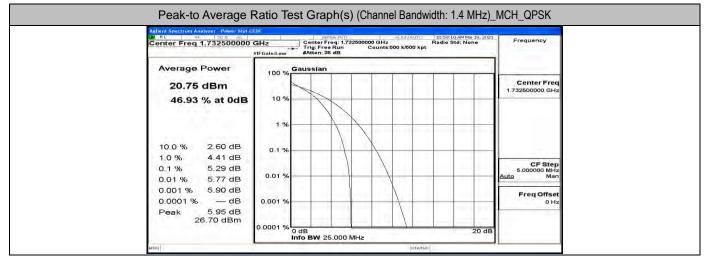
	Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channel	[dB]	[dB]	Verdict				
	LCH	5.51	<13	PASS				
QPSK	MCH	5.36	<13	PASS				
	НСН	5.4	<13	PASS				
	LCH	6.3	<13	PASS				
16QAM	MCH	6.18	<13	PASS				
	НСН	6.2	<13	PASS				

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	Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)							
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict				
Modulation	Channer	[dB]	[dB]	Verdict				
	LCH	5.76	<13	PASS				
QPSK	MCH	5.65	<13	PASS				
	HCH	5.61	<13	PASS				
	LCH	6.39	<13	PASS				
16QAM	MCH	6.27	<13	PASS				
	НСН	6.23	<13	PASS				

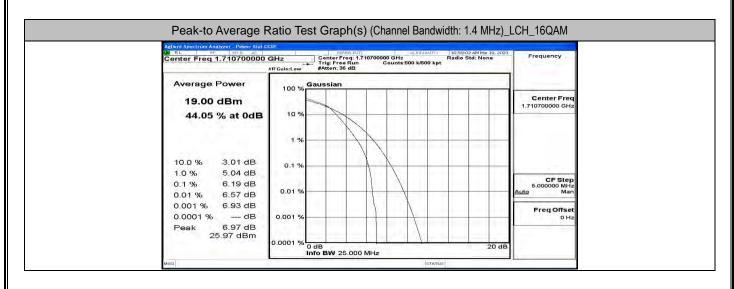
	Peak-to Average Ra	tio Test Result (Channel	Bandwidth: 20 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
Wouldton	Channel	[dB]	[dB]	Verdici
	LCH	5.53	<13	PASS
QPSK	MCH	5.46	<13	PASS
	НСН	5.42	<13	PASS
	LCH	6.38	<13	PASS
16QAM	MCH	6.2	<13	PASS
	НСН	6.17	<13	PASS

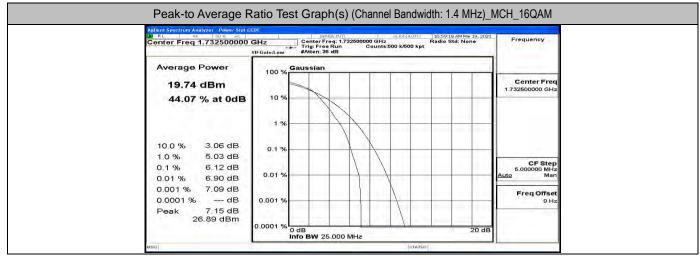




RL RF 50 Q AL	CDF ALIGNAUTO	10:59:25 AM Mar 19, 2021	
Center Freq 1.754300000	GHZ Center Freq: 1.754300000 GHz Trig: Free Run Counts:500 k/500 k	Radio Std: None	Frequency
	#IFGain:Low #Atten: 36 dB		
Average Power	100 % Gaussian		
20.42 dBm			Center Freq 1.754300000 GHz
46.69 % at 0dB	10 %		
a server de la server		_	
	1 %		
10.0 % 2.63 dB			
1.0 % 4.37 dB	0.1 %		
0.1 % 5.23 dB		1 1 1 1 1 1 1 1 1 1 1	CF Step 5.000000 MHz
0.01 % 5.61 dB	0.01 %	7	<u>Auto</u> Man
0.001 % 5.79 dB			Freq Offset
0.0001 % dB Peak 5.81 dB	0.001 %		0 Hz
26.02 dBm			
and the second second	0.0001 % 0 dB Info BW 25.000 MHz	20 dB	

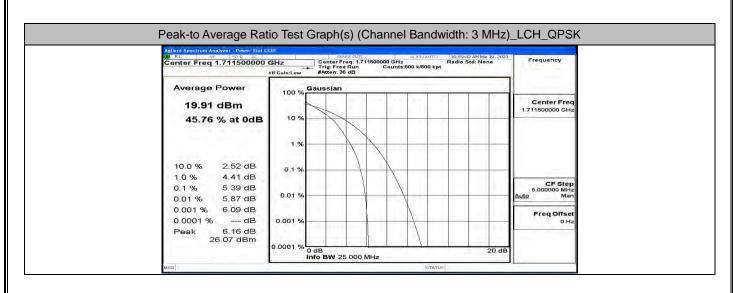
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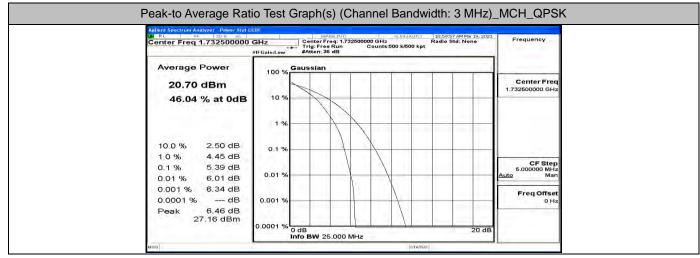




RL RF 50 9 AL	CDF ALIGNAUTO	10:59:33 AM Mar 19, 2021	
Center Freq 1.754300000	GHz Center Freq: 1.754300000 GHz Trig: Free Run Counts:500 k/500 kpt	Radio Std: None	Frequency
	#IFGain:Low #Atten: 36 dB		
Average Power	100 % Gaussian		
19.43 dBm			Center Freq 1.754300000 GHz
44.32 % at 0dB	10 %		teres and the second second
1. Mar 1 1 1 1 1 1 1 1 1 1 1 1			
	1%		
10.0 % 0.00 /0			
10.0 % 3.03 dB 1.0 % 5.02 dB	0.1 %		
0.1 % 6.08 dB			CF Step 5.000000 MHz
0.01 % 6.78 dB	0.01 %		Auto Man
0.001 % 6.99 dB			Freq Offset
0.0001 % dB	0.001 %		0 Hz
Peak 7.01 dB 26.44 dBm			
20.44 000	0.0001 % 0 dB	20 dB	
	Info BW 25.000 MHz	20 00	

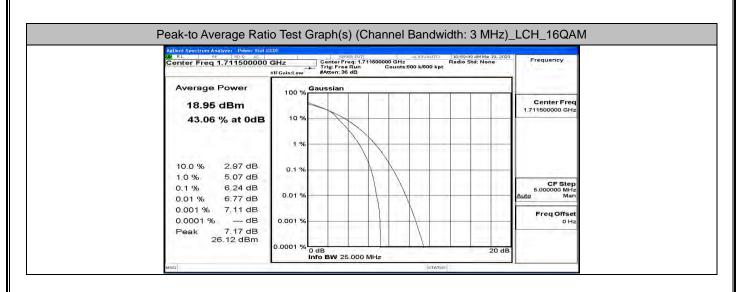
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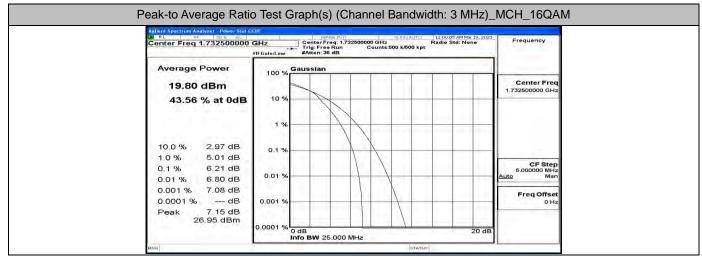




Average Power 20.40 dBm Gaussian Counts 300 k/500 kpt 46.48 % at 0dB 10 % Gaussian 1.753500000 GH 10.0 % 2.49 dB 0.1 % 0.1 % 0.1 % 0.01 % 5.29 dB 0.01 % 0.01 % 0.01 %	RL RF 50 Q AC		ENSE DIT	ALIGNAUTO 1	1:00:13 AM Mar 19, 2021	Frequency
Average Power Caussian 20.40 dBm 100 % 46.48 % at 0dB 10 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 0.1 % 0.1 % 5.29 dB 0.01 % 5.75 dB 0.01 % 5.75 dB			Freq: 1.753500000 G ee Run Cou 36 dB	H2 nts:500 k/500 kpt	dio 5td: None	requercy
20.40 dBm Center Free 46.48 % at 0dB 10 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 0.1 % 0.1 % 0.1 % 0.01 % 5.75 dB 0.01 % 0.01 %	Average Power	F	1			
10.0 % 2.49 dB 0.1 % 0.1 % 0.1 % 0.01						Center Freq 1.753500000 GHz
10.0 % 2.49 dB 0.1 % CF Step 0.01 %	46.48 % at 0dB	10 %				
1.0 % 4.36 dB 0.1 % 5.29 dB 0.01 % 5.75 dB 0.01 % 0.01 %		1 %				
0.1% 5.29 dB 0.01% CF Ster 5.000000 MH Auto Mar		0.1 %				
0.001 % 5.98 dB	0.1 % 5.29 dB	0.01 %				CF Step 5.000000 MHz Auto Man
						Freq Offset
0.0001 % — dB 0.001 % он Peak 6.07 dB		0.001 %				0 Hz

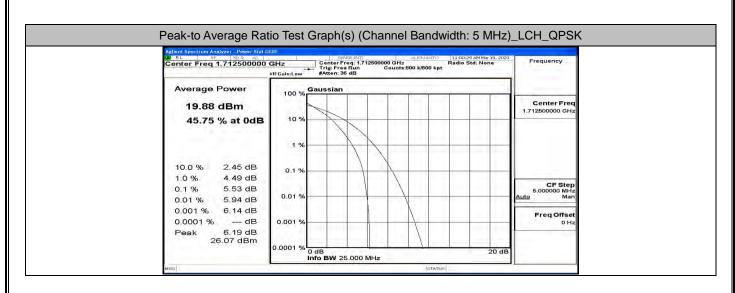
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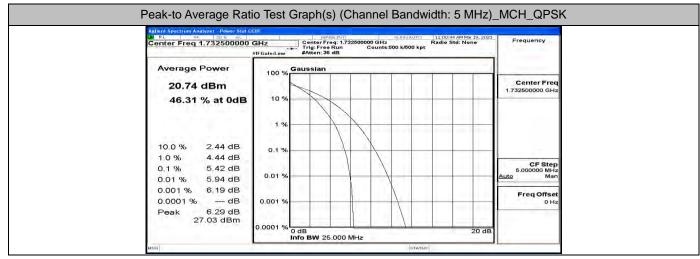




Conter Freq 1.753500000 GHz Center Freq 1.75350000 GHz Radio Std: None Average Power 100 % Gaussian Center Freq 1.75350000 GHz Frequency 100 % Gaussian 100 % Center Freq 1.75350000 GHz Center Freq 1.75350000 GHz Center Freq 1.75350000 GHz 100 % Gaussian 100 % Center Freq 1.753500000 GHz Center Freq 1.753500000 GHz 100 % Gaussian 0.1 % 0.1 % Center Freq 1.753500000 GHz Center Freq 1.753500000 GHz 100 % Gaussian 0.1 % Center Freq 1.753500000 GHz Center Freq 1.753500000 GHz 100 % 0.1 % 0.1 % 0.1 % Center Freq 1.753500000 GHz Center Freq 1.753500000 GHz 100 % C.97 dB 0.1 % 0.1 % Center Freq 1.753500000 GHz Center Freq 1.753500000 GHz 10.0 % C.97 dB 0.1 % 0.1 % 0.1 % Center Freq 1.753500000 GHz 0.01 % 0.01 % 0.01 % 0.01 % OHz Center Freq 1.753500000 GHz 0.001 % C.97 dB 0.01 % 0.01 % OHz Freq Offset 0Hz <t< th=""><th>Agilent Spectrum Analyzer - Power Stat 0</th><th>SENSE:INT</th><th>ALIGNAUTO 11:00:21 AM Mar 19, 2021</th><th>1</th></t<>	Agilent Spectrum Analyzer - Power Stat 0	SENSE:INT	ALIGNAUTO 11:00:21 AM Mar 19, 2021	1
Average Power 100 % Gaussian Center Freq 1.753600000 GHz 43.53 % at 0dB 10 % 10 % 10 % Center Freq 1.753600000 GHz 10.0 % 2.97 dB 10 % 1 % Center Freq 1.753600000 GHz 10.0 % 5.04 dB 0.1 % CF Step 5.00000 MHz CF Step 5.00000 MHz 0.01 % 0.01 % 0.01 % Freq Offset 0 Hz DHz		GHz Center Freq: 1.753500000 GHz Trig: Free Run Counts:	Radio Std: None	Frequency
19.43 dBm Center Freq 43.53 % at 0dB 10 % 10 % 10 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 0.1 % 0.1 % 0.1 % 0.01 % 0.01 % 0.001 % 0.01 % 0.001 % 0.001 % Peak 7.26 dB	Average Power	Caussian		
10.0 % 2.97 dB 0.1 % 10.0 % 5.04 dB 0.1 % 1.0 % 5.04 dB 0.1 % 0.1 % 6.11 dB 0.01 % 0.01 % 6.71 dB 0.01 % 0.001 %				
10.0 % 2.97 dB. 0.1 % 1.0 % 5.04 dB 0.1 % 0.1 % 6.11 dB 0.01 % 0.01 % 6.71 dB 0.01 % 0.001 % 7.11 dB 0.001 % 0.0001 % dB 0.001 % Peak 7.26 dB 0.001 %	43.53 % at 0dB	10 %		
10.0 % 2.97 dB. 0.1 % 1.0 % 5.04 dB 0.1 % 0.1 % 6.11 dB 0.01 % 0.01 % 6.71 dB 0.01 % 0.001 % 7.11 dB 0.001 % 0.0001 % dB 0.001 % Peak 7.26 dB 0.001 %	10.10	1 %		
1.0 % 5.04 dB 0.1 % 6.11 dB 0.01 % 6.71 dB 0.01 % 0.01 % 0.001 % 7.11 dB 0.001 % dB 0.001 % 0.001 % Peak 7.26 dB	the second se	0.1%		
0.01 % 6.71 dB 0.01 % Auto Man 0.001 % 7.11 dB 0.001 % Freq Offset 0.0001 % dB 0.001 % OHz				CF Step
0.0001 % dB 0.001 % 0 Hz		0.01 %		
Peak 7.26 dB		0.001 %	$\langle \cdot \rangle$	
	Peak 7.26 dB			0 Hz

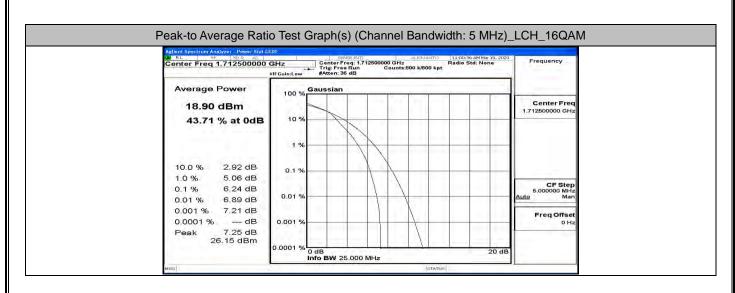
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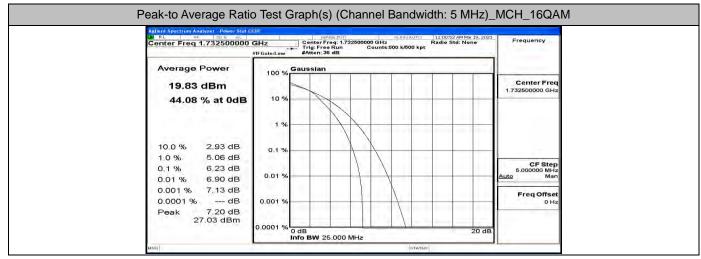




Center Freq 1.752500000 GHz Center Freq 1.762500000 GHz Radio Std: None Average Power 20.43 dBm 100 % Caussian Center Freq 1.762500000 GHz Center Freq 1.762500000 GHz Center Freq 1.762500000 GHz Center Freq 1.762500000 GHz Center Freq 1.76250000 GHz Center Freq 1.762500000 GHz Center Freq 1.762500	RL RF 50 Q AG			01:02 AM Mar 19, 2021	Frequency
Average Power Caussian 20.43 dBm 100 % Center Freq 46.79 % at 0dB 10 % 10 % 10.0 % 2.42 dB 0.1 % 10.0 % 2.42 dB 0.1 % 0.1 % 5.44 dB 0.1 % 0.01 % 5.92 dB 0.01 % 0.001 % 6.17 dB Freq Offset	Center Freq 1.75250000	Trig: Free Run	62500000 GHz Rad Counts:500 k/500 kpt	lo Std: None	requercy
20.43 dBm 100 % Center Freq 46.79 % at 0dB 10 % 10 % 10 % 10.0 % 2.42 dB 0.1 % 1 % 10.0 % 2.42 dB 0.1 % 0.1 % 0.1 % 5.44 dB 0.01 % 0.01 % 0.01 % 5.92 dB 0.01 % Freq Offset	Average Power	Cauccian			
10.0 % 2.42 dB 0.1 % 10.0 % 4.42 dB 0.1 % 0.1 % 5.44 dB 0.1 % 0.01 % 5.92 dB 0.01 % 0.001 % 6.17 dB Freq Offset		100 %			
1.0 % 4.42 dB 0.1 % 5.44 dB 0.01 % 5.92 dB 0.01 % 6.17 dB		1 %			
Frequeset	0.1 % 5.44 dB 0.01 % 5.92 dB				5.000000 MHz
Peak 6.23 dB	0.0001 % dB	0.001 %		_	

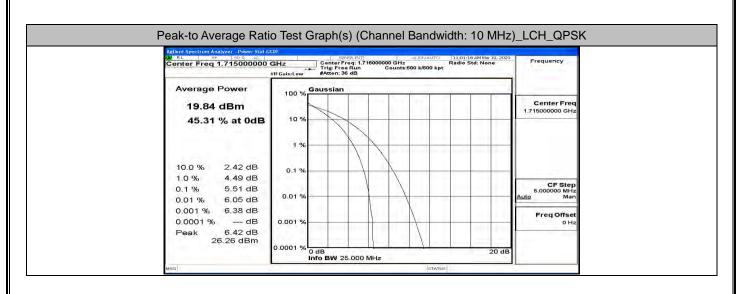
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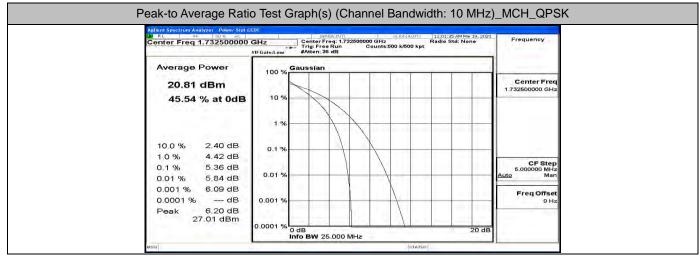




Center Freq 762500000 GHz
CF Step
5.000000 MHz Man Freq Offset
0 Hz
2

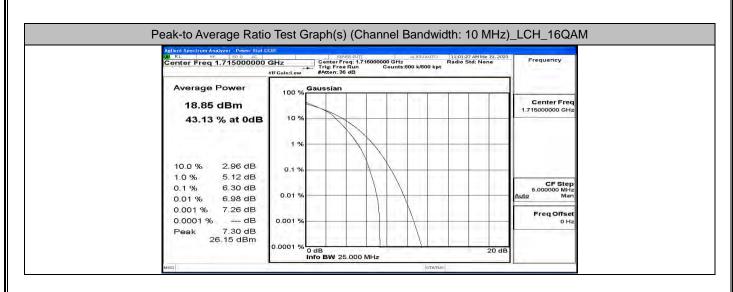
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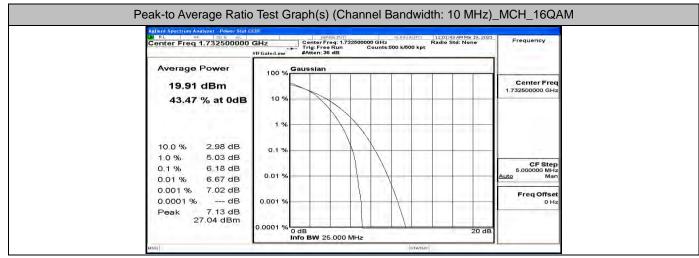




Center Freq 1.75000000	GHz C	enter Freq: 1.750	000000 GHz	UGVAUTO]11: Rad	01:51 AM Mar 19, 2021 lo Std: None	Frequency
	#IFGain:Low #/	rig: Free Run Atten: 36 dB	Counts:50	0 k/500 kpt	1 Land Marine	
Average Power	100 % Gau	ssian				
20.62 dBm	1					Center Freq 1.750000000 GHz
46.06 % at 0dB	10 %					
1	1 %					
100 A			V			
10.0 % 2.40 dB 1.0 % 4.41 dB	0.1 %	+ + +				
0.1 % 5.40 dB 0.01 % 5.87 dB	0.01 %			_		CF Step 5.000000 MHz Auto Man
0.001 % 6.07 dB	1.15		N			Freq Offset
0.0001 % dB	0.001 %					0 Hz
Peak 6.21 dB 26.83 dBm	1944 C		1.11	\mathbf{A}		
1.0.50 × 7.52.76	0.0001 % 0 dB	BW 25.000 M	le l	<u></u>	20 dB	

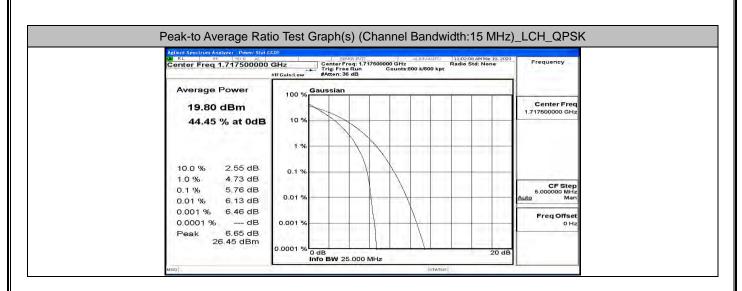
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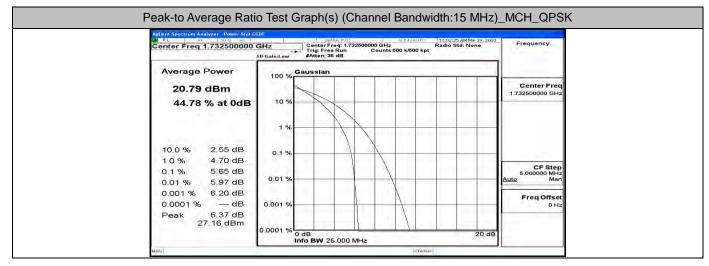




Agilent Spectrum Analyzer Power Stat		AM Mar 19, 2021
Center Freq 1.75000000		d: None Frequency
Average Power	100 % Gaussian	
19.69 dBm 43.59 % at 0dB		Center Fred 1.750000000 GHz
10.0 % 2.92 dB 1.0 % 5.06 dB 0.1 % 6.20 dB 0.01 % 6.71 dB 0.001 % 6.92 dB 0.0001 % dB Peak 7.05 dB 26.74 dBm	1 % 0.1 % 0.01 % 0.001 % 0.0001 % 0.0001 % 0.000 MHz	CF Step 5.00000 MH Auto Mar Freq Offset 0 Hz 20 dB

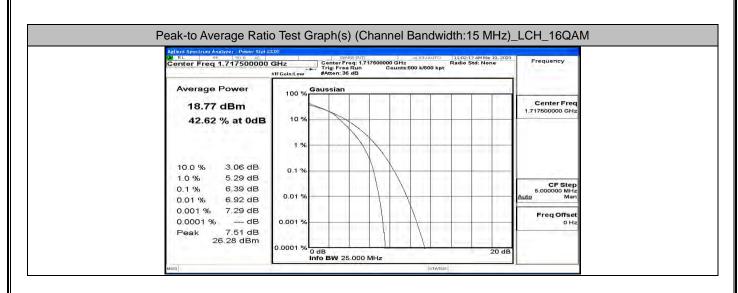
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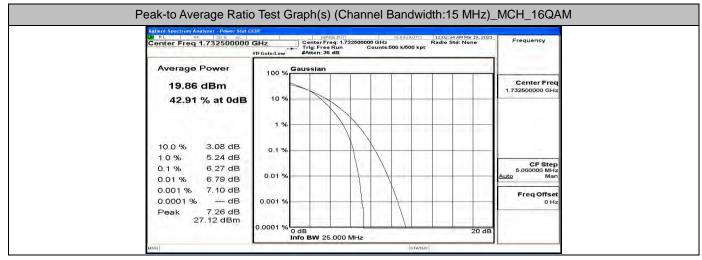




Agilent Spectrum Analyzer - Power Stat C	SENSE:INT ALIGNAUTO	11:02:43 AM May 19, 2021 Radio Std: None Frequency	
Center Freq 1.747500000	GHz Center Freq: 1.747500000 GHz Trig: Free Run Counts:500 k/500 kpt #IFGain:Low #Atten: 36 dB	Radio Std: None Frequency	
Average Power	Causcian		
20.78 dBm	100 %	Center F 1.747500000	
44.81 % at 0dB	10 %		
10 A M A	1 %		
10.0 % 2.52 dB	0.1 %		
1.0 % 4.67 dB 0.1 % 5.61 dB 0.01 % 5.93 dB	0.01 %	CF 5 5.000000 Auto	
0.001 % 6.22 dB 0.0001 % dB	0.001 %	FreqOf	ffset 0 Hz
Peak 6.33 dB 27.11 dBm	0.0001 % 0 dB		

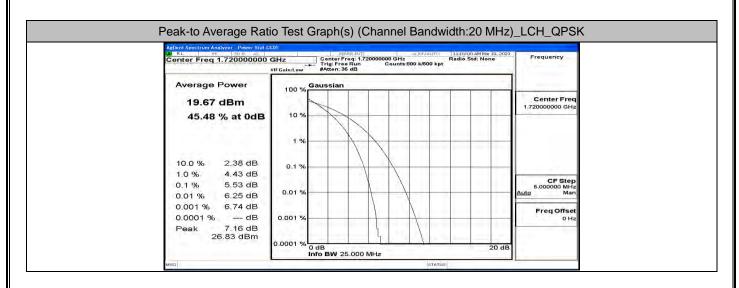
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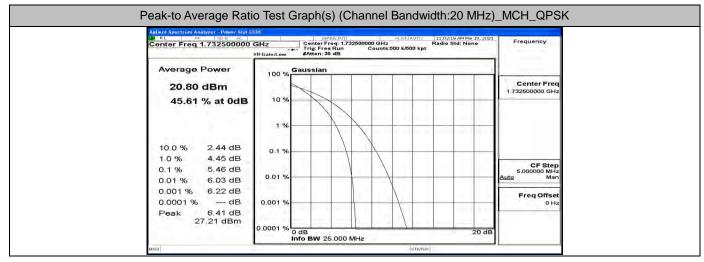




Adjent Spectrum Analyzer Power Stat	GHz Center Freq: 1.747500000 GHz	Radio Std: None	Frequency
Average Power	#IFGain:Low #Atten: 36 dB Gaussian		
19.82 dBm 42.94 % at 0dB	100 %		Center Freq 1.747500000 GHz
10.0 % 3.05 dB 1.0 % 5.24 dB 0.1 % 6.23 dB 0.01 % 6.76 dB 0.001 % 7.01 dB 0.0001 % dB Peak 7.20 dB 27.02 dBm	1 % 0.1 % 0.01 % 0.001 % 0.0001 % 0 dB	20 dB	CF Step 5.000000 Мi-tz Man Freq Offset 0 Hz

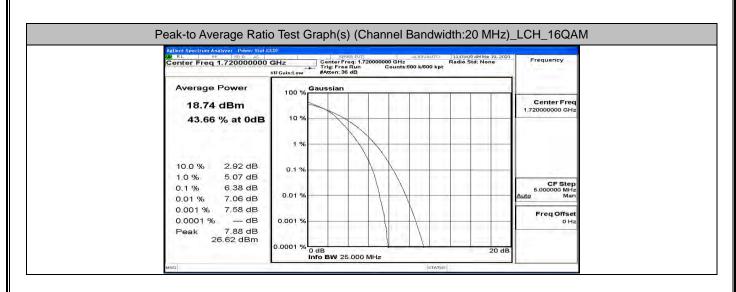
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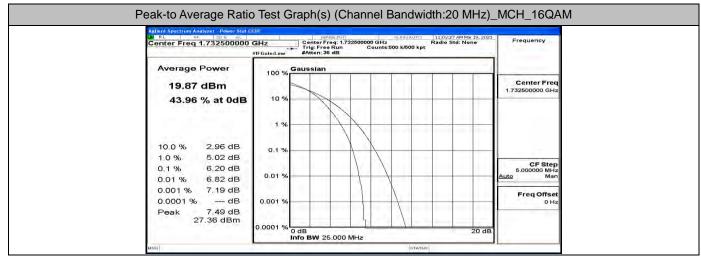




Agilent Spectrum Analyzer - Power Stat	SENSE:INT ALIGNAU	11:03:36 AM Mar 19, 2021	Frequency
Center Freq 1.74500000	GHz Center Freq: 1.745000000 GHz Trig: Free Run Counts:500 k/500 #IFGain:Low #Atten: 36 dB	Radio Std: None kpt	Frequency
Average Power	Caussian		
20.76 dBm			Center Freq 1.745000000 GHz
45.53 % at 0dB	10 %		
1.	1 %		
10.0 % 2.43 dB	0.1 %		
1.0 % 4.40 dB	0.1 %		0.5.01
0.1 % 5.42 dB 0.01 % 5.92 dB	0.01 %		CF Step 5.000000 MHz Auto Man
0.001 % 6.24 dB 0.0001 % dB	0.001 %		Freq Offset
0.0001 % dB Peak 6.48 dB	0.001 %		0 Hz

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Average Power Gaussian 19.82 dBm 100 % Gaussian 43.86 % at 0dB 10 % 10 % 10.0 % 2.95 dB 10 % 10.0 % 5.01 dB 0.1 % 0.01 % 6.97 dB 0.01 % 0.001 % - dB 0.001 % Peak 7.71 dB 27.53 dBm	Center Freq 1.74500000) GHz #IFGain:Low #Atten: 36 d	: 1.745000000 GHz R: un Counts:500 k/500 kpt	1:09:45 AM Mar 19, 2021 adio Std: None	Frequency
19.82 dBm Center Freq 43.86 % at 0dB 10 % 10 % 10 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 1 % 10 % 0.1 % 0.1 % 0.1 % 0.01 % 0.01 % 0.001 % - dB 0.001 % 0.001 % Peak 7.71 dB	Average Power	Caussian			
10.0 % 2.95 dB 0.1 % 10.0 % 5.01 dB 0.1 % 0.1 % 6.17 dB 0.01 % 0.01 % 6.97 dB 0.01 % 0.001 % 7.33 dB 0.001 % 0.0001 %					
0.1% 6.17 dB 0.01% 6.97 dB 0.001% 7.33 dB 0.001% 7.33 dB 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.001% 9 0.000 MHz 0.01% 0.000 MHz 0.000 MH	10.0 % 2.95 dB 1.0 % 5.01 dB				CF Step
0.0001 % dB 0.001 % 0Hz	0.01 % 6.97 dB	0.01 %			<u>Auto</u> Man
	0.0001 % dB Peak 7.71 dB	0.001 %			

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E.3 26dB Bandwidth and Occupied Bandwidth

	EBW & OBW Te	st Result (Channel Band	width: 1.4 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
MODULATION	Channel	(MHz)	(MHz)	Verdict
	LCH	1.0778	1.237	PASS
QPSK	MCH	1.0767	1.224	PASS
	НСН	1.0759	1.218	PASS
	LCH	1.0775	1.244	PASS
16QAM	MCH	1.0728	1.181	PASS
	НСН	1.0759	1.238	PASS

	EBW & OBW T	est Result (Channel Ban	dwidth: 3 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
wouldton	Granner	(MHz)	(MHz)	Verdict
	LCH	2.6753	2.827	PASS
QPSK	MCH	2.6830	2.822	PASS
	НСН	2.6833	2.832	PASS
	LCH	2.6782	2.829	PASS
16QAM	MCH	2.6793	2.832	PASS
	НСН	2.6775	2.816	PASS

	EBW & OBW T	est Result (Channel Ban	dwidth: 5 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Channel	(MHz)	(MHz)	Verdict
	LCH	4.4765	4.734	PASS
QPSK	MCH	4.4698	4.741	PASS
	НСН	4.4687	4.727	PASS
	LCH	4.4742	4.726	PASS
16QAM	MCH	4.4708	4.758	PASS
	НСН	4.4793	4.731	PASS

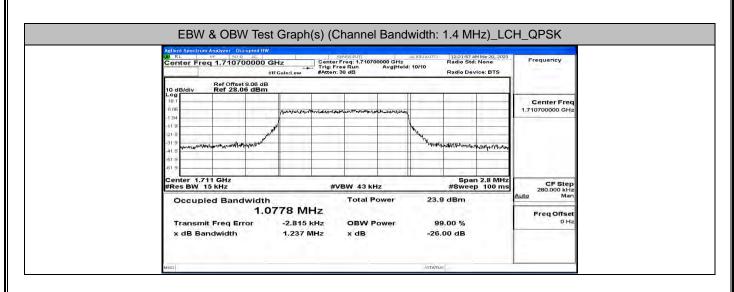
	EBW & OBW Te	est Result (Channel Band	dwidth: 10 MHz)	
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict
Modulation	Channel	(MHz)	(MHz)	verdict
	LCH	8.9452	9.382	PASS
QPSK	MCH	8.9377	9.331	PASS
	НСН	8.9426	9.348	PASS
	LCH	8.9407	9.331	PASS
16QAM	MCH	8.9601	9.367	PASS
	НСН	8.9498	9.374	PASS

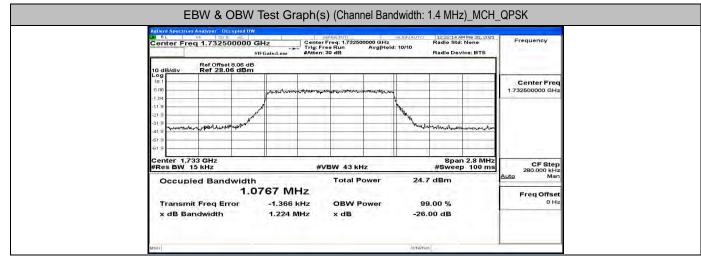
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	EBW & OBW T	est Result (Channel Band	width: 15 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	13.398	14.00	PASS
QPSK	MCH	13.416	13.97	PASS
	HCH	13.412	13.93	PASS
	LCH	13.399	13.99	PASS
16QAM	MCH	13.419	13.94	PASS
	HCH	13.419	13.97	PASS

	EBW & OBW Te	est Result (Channel Band	dwidth: 20 MHz)	
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
	LCH	17.860	18.55	PASS
QPSK	MCH	17.861	18.55	PASS
	НСН	17.855	18.57	PASS
	LCH	17.850	18.55	PASS
16QAM	MCH	17.878	18.58	PASS
	НСН	17.868	18.53	PASS



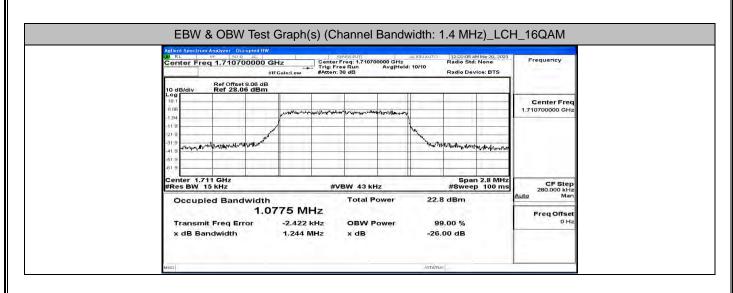


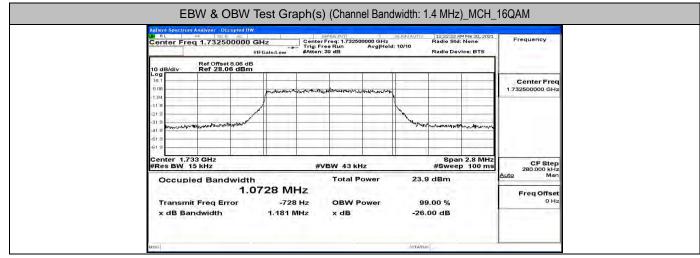


Center Freq 1.754300000	GHz	Center Fr	nge:mit reg: 1.754300	000 GHz	ALIGN AUTO	12:22:30 Al Radio Std:	4 Mar 20, 2021 None	Frequency		
		Trig: Free #Atten: 3	e Run 0 dB	Avg Hold	: 10/10	Radio Dev	ice: BTS			
Ref Offset 8.06 d 10 dB/div Ref 28.06 dBn		_								
18 1						-		Center Fred		
-1.94	Japan Markson Mar	environt at the	connectations and	rennestration				1.754300000 GHz		
-11.9	1	-			he	-	-			
-319 run who we shall the show		_			They was	Manager	www			
-41.9							and an office of the second			
-61.9										
Center 1.754 GHz #Res BW 15 kHz	· · · · · ·	#VE	3W 43 kHz	z	· · · · ·		2.8 MHz 0 100 ms	CF Step 280,000 kHz		
Occupied Bandwidt	h		Total Po	wer	24.5	dBm		Auto Man		
1.	0759 MH	z						Freq Offset		
Transmit Freq Error	-1.268 kl		OBW Po	ower		.00 %		0 H2		
x dB Bandwidth	1.218 MI	-IZ	x dB		-26.	00 dB				

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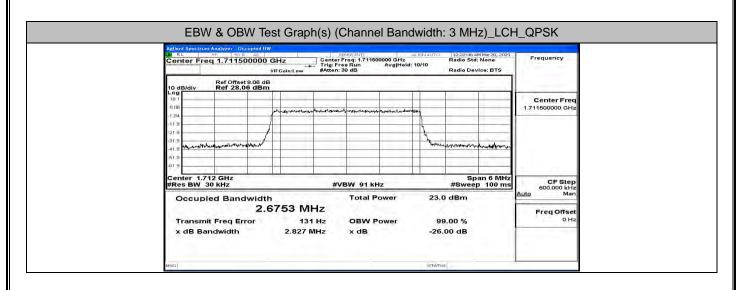


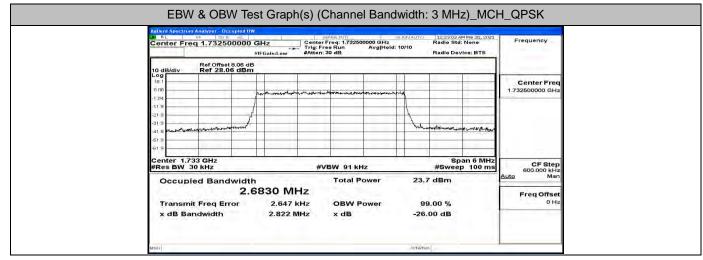




Center Freq 1.75430000	DO GHZ	Center Fr	eq: 1.754300	000 GHz	AL GN AUTO	Radio Std	M Mar 20, 2021 : None	Frequency		
		Trig: Free #Atten: 30	Run	Avg Hold	10/10	Radio Dev	vice: BTS			
Ref Offset 8.06 10 dB/div Ref 28.06 dE		_								
								Center Freq		
6.06	amanan	Musines / arrison	martin Mar	mannen				1.754300000 GHz		
-1.94	1				a.					
-21.9	AN I				"AND	-	-			
-319 -41.9 Hours Marsh Marsh Marsh Marsh	M ²				William	and all and the second	reneworkshine			
-61.9		-								
Center 1.754 GHz					·	Prov	n 2.8 MHz	1		
#Res BW 15 kHz	_	#VB	W 43 KH	z			p 100 ms	CF Step 280.000 kHz		
Occupied Bandwid	ith		Total Po	ower	23.	3 dBm		<u>Auto</u> Man		
1	.0759 MH	z						Freq Offset		
Transmit Freq Error	-2.007 ki		OBW P	ower		9.00 %		0 Hz		
x dB Bandwidth	1.238 MH	IZ	x dB		-26.	00 dB				

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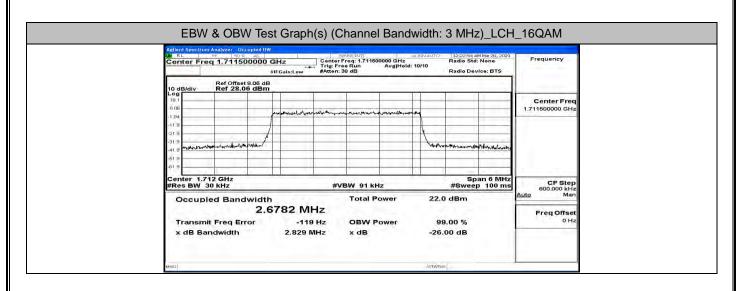


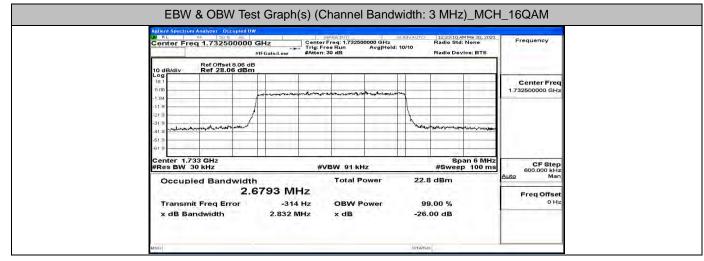


Aglient Spectrum Analyzer - Occupied DW 24 RL 9F 50 9 Ac SENSE:011 automation 12:29:19 AM Mar 20, 2021								
enter Freq 1.753500000	Trig:	er Freq: 1.753500000 GHz Free Run Avg Hol m: 30 dB	d: 10/10	Radio Std: N		Frequency		
0 dB/div Ref Offset 8.06 dB	3		2.2					
la 1						Center Fred		
194	providence and the second second	where the second water semanary draw	m			1.753500000 GHz		
119		-	1					
31.9								
11 5 marsharen and a second and a second second				and a surged and an	subscriebennie			
319								
Center 1.754 GHz Res BW 30 kHz		#VBW 91 kHz	0.1	Span #Sweep	6 MHz 100 ms	CF Step 600.000 kHz		
Occupied Bandwidt	h	Total Power	23.	5 dBm		Auto Man		
2.	6833 MHz					Freq Offset		
Transmit Freq Error	1.163 kHz	OBW Power	9	9.00 %		0 Hz		
x dB Bandwidth	2.832 MHz	x dB	-26	.00 dB				

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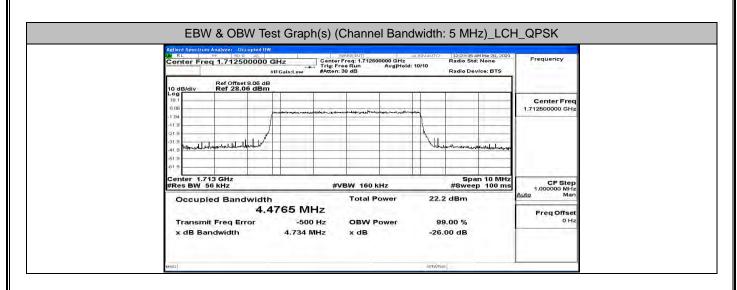


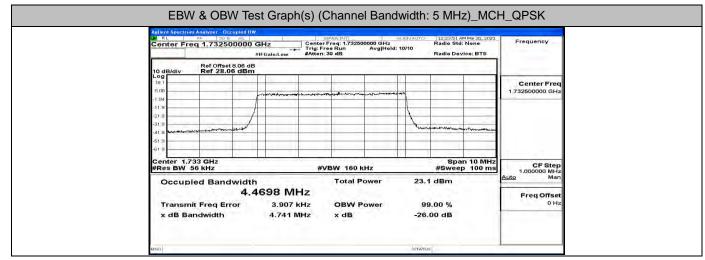


RL RF 50 Q AC			ALIGNAUTO			Frequency		
enter Freq 1.753500000	Trig:1	er Freq: 1.753500000 GHz Free Run Avg Held n: 30 dB	1: 10/10	Radio Std: Nor Radio Device:		requercy		
Ref Offset 8.06 d dB/div Ref 28.06 dBn	B n							
og 8 1 06		man				Center Freq 1.753500000 GHz		
94	A							
19 19 19 manufer rowsmin Morram	/		two	he losses proposes and	rutures			
1.9								
enter 1.754 GHz Res BW 30 kHz	#	WBW 91 kHz	0.5	Span (#Sweep 1		CF Step 600.000 kHz		
Occupied Bandwidt	h 6775 MHz	Total Power	22.	6 dBm		<u>Auto</u> Man		
∠. Transmit Freq Error	-555 Hz	OBW Power	9	9.00 %		Freq Offset 0 Hz		
x dB Bandwidth	2.816 MHz	x dB	-26	.00 dB				

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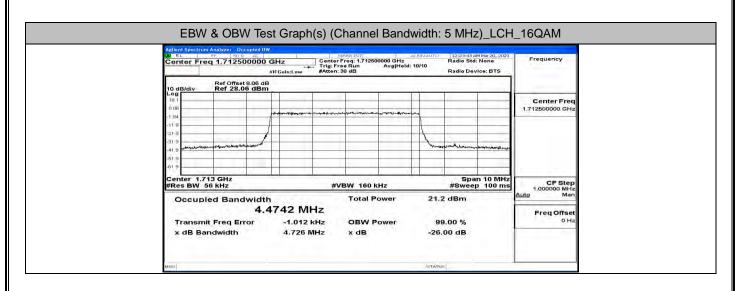


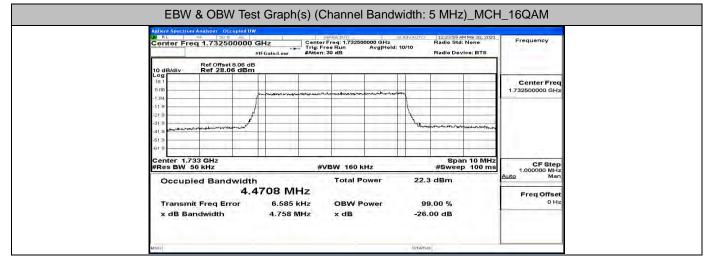


Center Freq 1.75250000		Sense: P	1.752500000 GHz	ALIGNAUTO	12:24:08 AM Radio Std: 1	Mar 20, 2021	Frequency
Center Fred 1.75250000	#IFGain:Low	Trig: Free Rui #Atten: 30 dB	Avg Hol	d: 10/10	Radio Devi		
Ref Offset 8.06							
10 dB/div Ref 28.06 dE	Sm	-		11	1	-	and a state state of
181	-						Center Freq 1.752500000 GHz
-1 394	parasta and some	urubatikang-te-BayA	epileur-e-sepertrepa-e_ration.	m		-	
-11.9	J			1			
-31.9	1					S	
-41.9 Address of a gradient for a second of					performance providence	malfresh	
-61.9							
Center 1.753 GHz #Res BW 56 kHz		#VBW	160 kHz	<u> </u>	Span #Sweep	10 MHz	CF Step
		.0	tal Power	22	9 dBm		1.000000 MHz Auto Man
Occupied Bandwic	4687 MH		tal Power	22.	a anu		
Transmit Freq Error	-438		3W Power	9	9.00 %		Freq Offset 0 Hz
x dB Bandwidth	4.727 M	Hz x d	B	-26	.00 dB		

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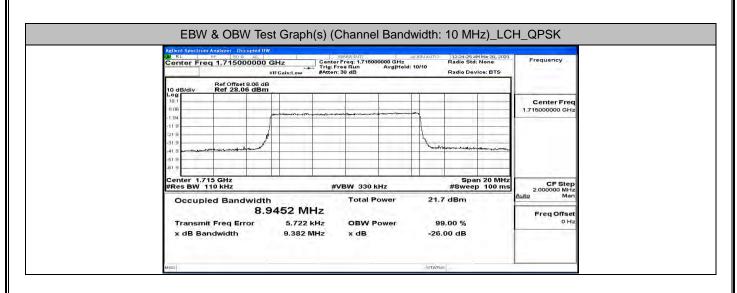


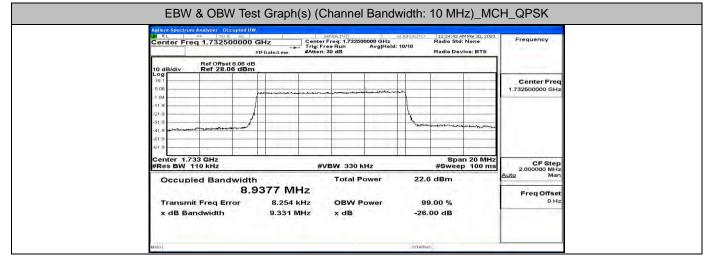


Center Freq 1.75250000		Center	Freq: 1.75250		GNAUTO	12:24:16 Radio Sto	AM Mar 20, 2021 d: None	Frequency		
eenter req merses										
	Ref Offset 8.06 dB IB/div Ref 28.06 dBm									
Log	10	1		1	1			Center Freq		
6.06		and a different		-				1.752500000 GHz		
-1'94	parto sere some	and a spectrum			1					
-21.9	1				1					
-31.9	/	-			hours	Imagen	mound			
-61.9										
-61 9		-	-	-		-	-			
Center 1.753 GHz #Res BW 56 kHz										
Occupied Bandwid		Total P	ower	22.	0 dBm		Auto Man			
4.4793 MHz								Freq Offset		
Transmit Freq Error			OBW P	ower	9	99.00 %		0 Hz		
x dB Bandwidth	4.731	MHz	x dB		-26	00 dB				

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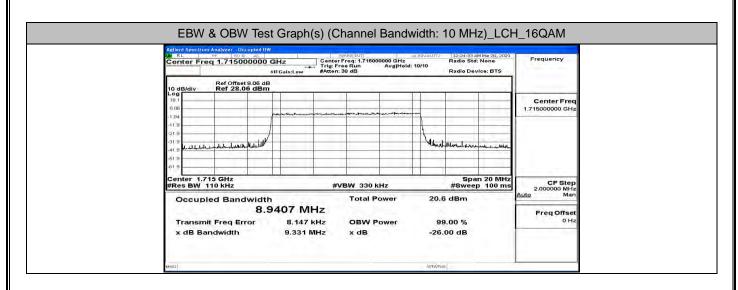


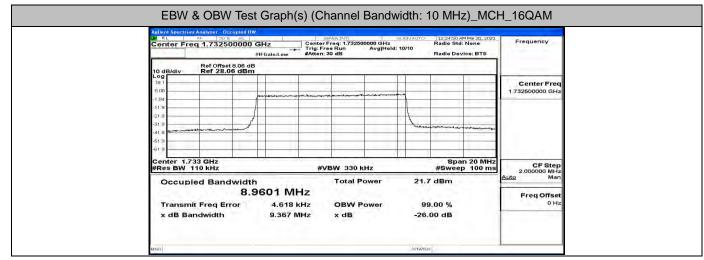


Frequency	RL NF SU 9 AL SENSE: NT AUGVAUTO 12:24/36 AM Mar 20, 2021 Center Freq 1.750000000 GHz Center Freq: 1.750000000 GHz Radio Std: None									
	Trig: Free Run Avg Heid: 10/10 #IFGain:Low #Atten: 30 dB Radio Device: BTS									
							Ref Offset 8.06 dB Ref 28.06 dBm	10 dB/div		
Center Fred					_			Log		
1.750000000 GHz				www.annower	-			6.06		
								-1.94		
			A				1	-21.9		
	mannon	inner	hours		_		monormant	-31.9 -41.9		
			-				-61.9			
1	1	17						-61.9		
CF Step 2.000000 MHz		enter 1.75 GHz Span 20 Mł Res BW 110 kHz #VBW 330 kHz #Sweep 100 n								
<u>Auto</u> Mar		dBm	22.	al Power		Occupied Bandwidth				
Freq Offset	7.31				8.9426 MHz					
0 Ha		99.00 %		W Power	z	-1.965 kl	Transmit Freq Error			
		00 dB	-26	В	z	9.348 MI	ndwidth	x dB Ba		

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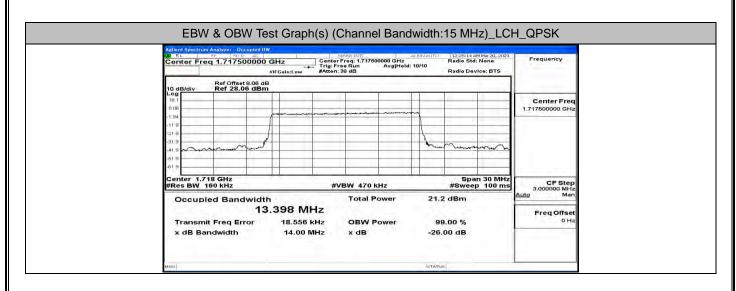


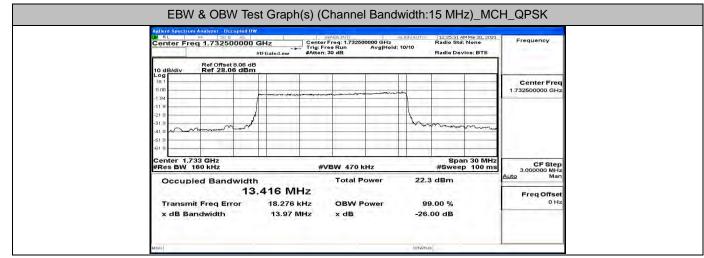


M RL 94 [20:0] AC Strength // Strength // 1/20000000 GHz AutoHarrow AutoHarrow Radio Stdi None Center Freq 1.7500000000 GHz Center Freq 1.750000000 GHz Trig Free Run Avg[Hold: 10/10 Radio Device: BTS #/FGaintLow #/FGaintLow Article arrow Radio Device: BTS									
Log							Contor From		
6.06	-			_			Center Freq 1.75000000 GHz		
-1.94	province in	desidence and we aroug	month and the management	-	-	-	i lana		
-11.9	1								
-31.9 march and and and and and	1	-		1					
-41.9				~		er a my horneye			
-61.9									
Center 1.75 GHz #Res BW 110 kHz									
						#Sweep 100 ms			
	ccupied Bandwidth Total Power 21.5 dBm 8.9498 MHz								
O. Transmit Freq Error	BO5 kHz	OBW Power		99.00 %		Freq Offset 0 Hz			
x dB Bandwidth	9.3	74 MHz	x dB	-2	6.00 dB				

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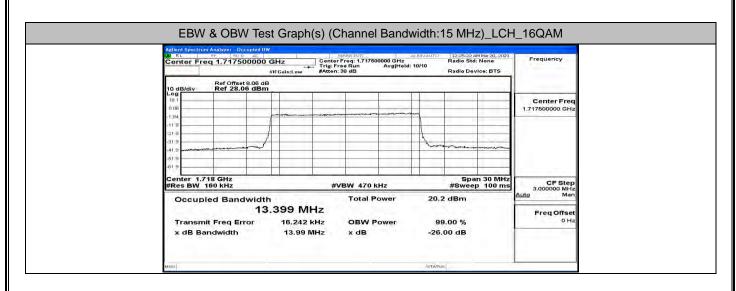


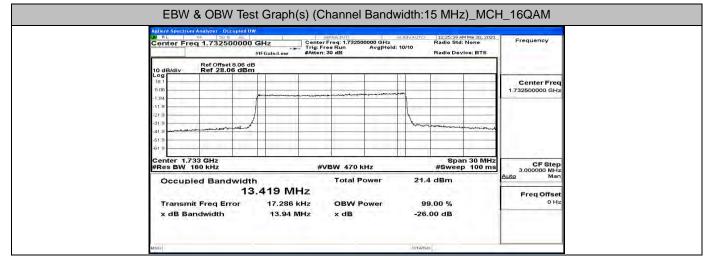


Frequency	:25:47 AM Mar 20, 2021 dio Std: None	12:25:4 Radio S	AL (GN A	-NSE:MY Freg: 1.747500000 GI		Addent Spectrum Analyzer Occupied BW RL 95 50 9 AC Center Freq 1.747500000			
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Trig: Free Run Avg Held: 10/10 #/FGain:Low #Atten: 30 dB Radio Device: BTS							
					6	Ref Offset 8.06 dB			
Center Fred					7	Log			
1.747500000 GHz			-			6.06			
						-1.94			
			1			-21.9			
	minner	Tan man				-319 All and a second and a second			
			-			-51.9			
1	See Second					-61 9			
CF Step 3.000000 MHz		enter 1.748 GHz Span 30 Mi Res BW 160 kHz #VBW 470 kHz #Sweep 100 r							
<u>Auto</u> Man	Im	22.3 dBm		Total Power	Occupied Bandwidth				
Freq Offset	2-7-71		13.412 MHz						
0 Hz	%	99.00 %		OBW Power	-12.317 kHz	Transmit Freq Error			
	dB	26.00 dB		x dB	13.93 MHz	x dB Bandwidth			

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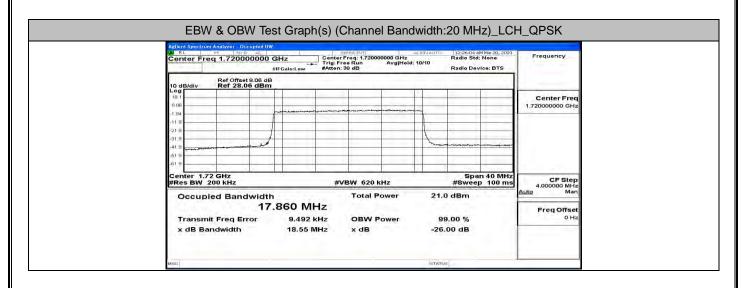


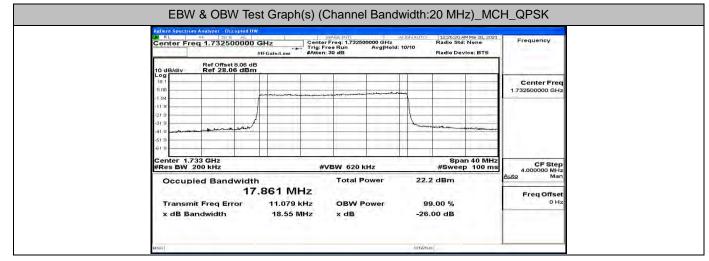




Frequency	4 Mar 20, 2021		GNAUTO		SENSEINY		nalyzer - Occupied BW F 50 Ω ÅC	RL	
and a second of the	277.117	Center Freq 1.747500000 GHz #IF Gain:Low Trip:Free Run Avg Heid: 10/10 Radio Device: BTS Ref Offset 8.06 dB Ref 28.06 dBm							
Center Free	1.1	1	1	1			10.00 0.011	Log	
1.747500000 GH		-				and the second second		6.06	
			1			and the second	f	-1.94	
			1	_			1	-21.9	
		and a second second	hann				mannand	-31.9	
	Contraction of the second						-41.9		
	-	-	-			_		-61.9	
CF Step 3.000000 MH	1 30 MHz 100 ms	Spar #Sweep		Hz	BW 470	#		Center 1.74 #Res BW 1	
Auto Mai		dBm	21.4						
Freq Offse		13.419 MHz							
OH		99.00 %			OBW				
		00 dB	-26.		x dB	13.97 MHz		x dB Bar	

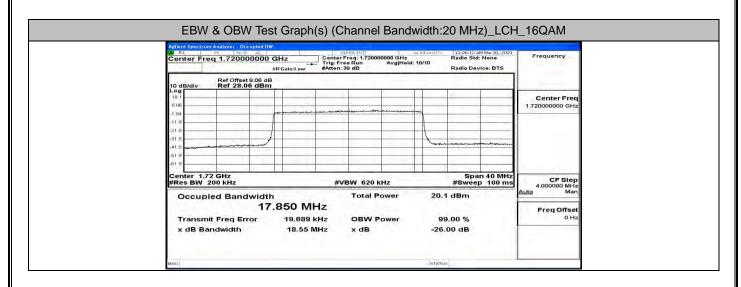
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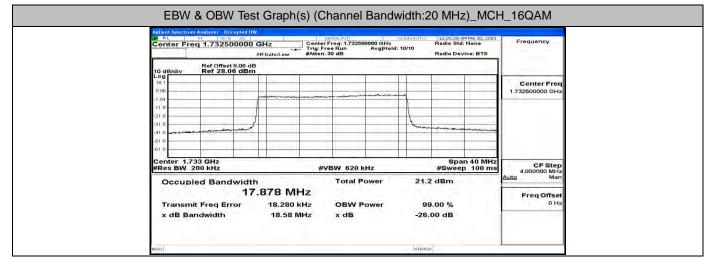




M FIL PF SUG AL SPREMU AUGUAUTO 12/26/39 AM Mir 20, 2021 Center Freq 1.745000000 GHz Center Freq 1.745000000 GHz Radio Std: None Radio Std: None								
Center Fred 1.74500000								
	Ref Offset 8.06 dB dB/div Ref 28.06 dBm							
Log			11		Contra Franci			
6.06		3			Center Frec 1.745000000 GHz			
-1.94		and the second second second second						
-11.9								
-31.9	1		1	Contract Street				
-41.9				The she are break and a stranger of				
-619								
Center 1.745 GHz #Res BW 200 kHz								
Occupied Bandwidt	h	Total Power	22.1	dBm	4.000000 MHz Auto Man			
	17.855 MHz							
Transmit Freq Error	-9.106 kHz	OBW Power	99	.00 %	Freq Offset 0 Hz			
x dB Bandwidth	18.57 MHz	x dB	-26.0	00 dB				

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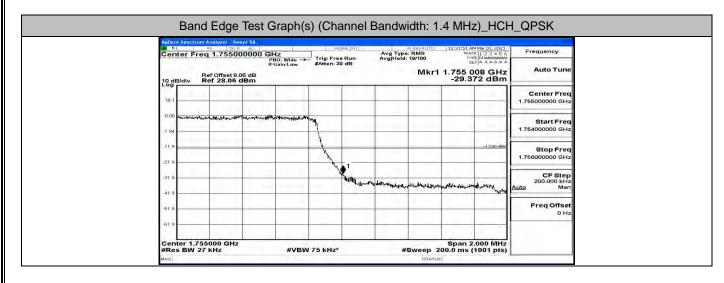


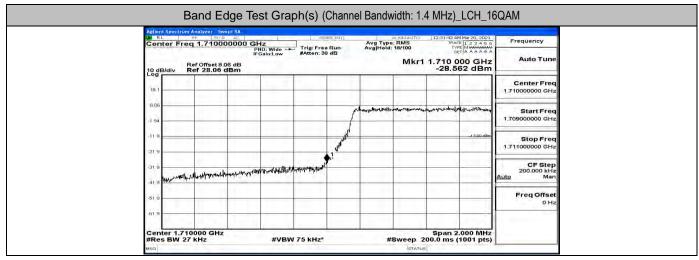
BL PF 50.9 AL SPINE:RVT ALIGNAUTO 12:26:34 AM Millio 20, 2021 Center Freq 1.745000000 GHz Center Freq: 1.745000000 GHz Radio Std: None										
Center Freq 1.74500000	Frequency									
Ref Offset 8.06	dB	n: 30 dB		Radio Device: BTS						
10 dB/div Ref 28.06 dB	m		11							
18.1					Center Fre					
6.05		man management	ciencie		1.745000000 GHz					
-11.9										
-21.9										
-31.9			Luna	Mannaharahara						
-41.9				and A community						
-61.9										
Center 1.745 GHz										
#Res BW 200 KHZ	#Res BW 200 kHz #VBW 620 kHz									
Occupied Bandwid		21.2	dBm	<u>Auto</u> Man						
1	17.868 MHz									
Transmit Freq Error	-16.283 kHz	OBW Power	99.	00 %	0 Hz					
x dB Bandwidth	18.53 MHz	x dB	-26.0	0 dB						

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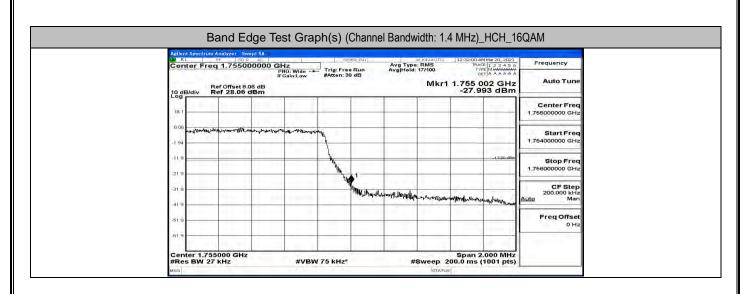
E.4 Band Edge

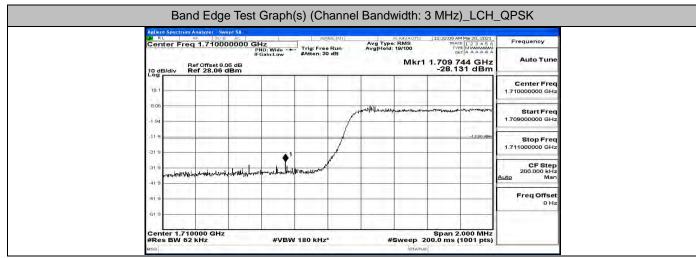
Cent		1.71000	0000 GH	z	a second second	estativi	Avg Typ Avg Hold	ALIGNAUTO	12:31:39 A TRA	M Mar 20, 2021 CE 1 2 3 4 5 6 PE M M M A A A A A	Frequency
10 dB/	Rei Idiv Re	Offset 8.0 f 28.06 d	iFC 6 dB	IO: Wide 🔸	#Atten: 30	0 dB	walleer		1.710	000 GHz 03 dBm	Auto Tune
18.1											Center Freq 1.710000000 GHz
8.06 - -1 94 -						1	parantahant	handseithaltanta	ing the dysters	anainanananananana	Start Freq 1.709000000 GHz
-11 9 =						1/				-13,00 dBm	Stop Freq 1.711000000 GHz
-31.9 -41.9	www.	rynili y uluutub	anglinghapiliti	ur.Willindan.Willin	he that the first state of the second state of	A.					CF Step 200.000 kHz Auto Man
-61.9					1						Freq Offset 0 Hz
-61.9							1		-	-	





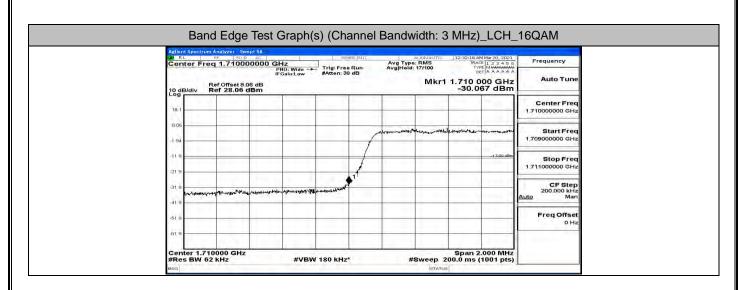
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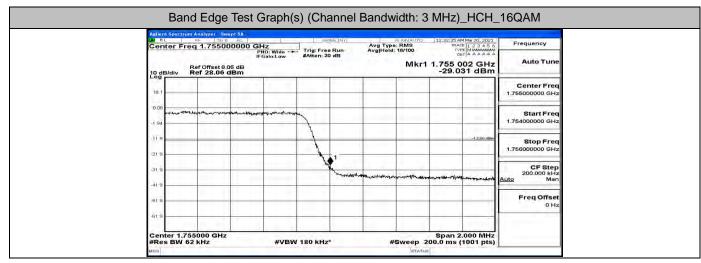


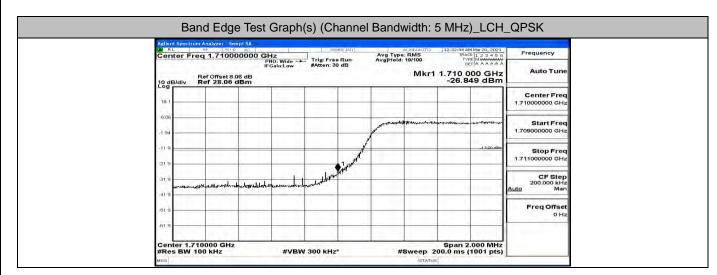


Agile		n Analyzer			- 55	ANSE: MAY		ALIGNAUTO	12:32:26 AM	Mar 20, 2021	
Cer	nter Fre	q 1.755	000000 0	SHZ PNO: Wide	Trig: Fre	e Run	Avg Type Avg Hold:	: RMS 18/100	TRACE	123456 MMMMMMM A A A A A A	Frequency
	B/div	Ref Offset Ref 28.00	8.06 dB	IFGain:Low	#Atten: 3	0 dB			1.755 0		Auto Tune
18-1											Center Freq 1.755000000 GHz
8.06 -1.94	-turnentary	าะกุรณารางการทำ	Mynumeter pr	***	1			-			Start Freq 1.754000000 GHz
-11-9	-				\rightarrow	-				-1 3,00 dBm	Stop Freq
-21.9	1				1	•1					
-31 9						Muchan	พไรนี่หมางที่สางความการ	there and the second	-unlinoispina	pletter the state of the state	CF Step 200.000 kHz Auto Man
-61 9				1 1 1 1							Freq Offset 0 Hz
-61.9				_		-					

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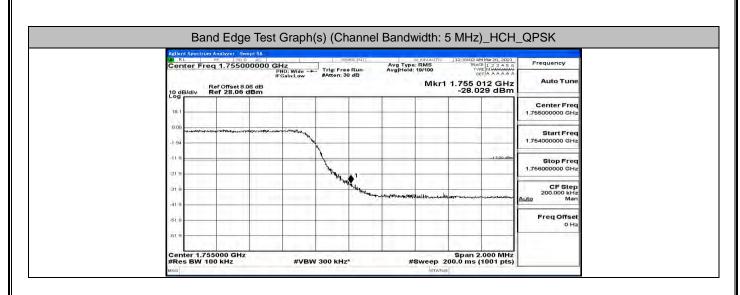


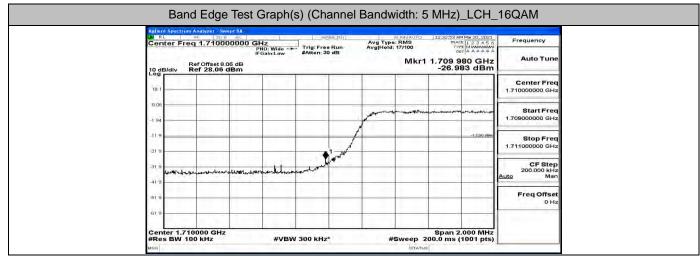


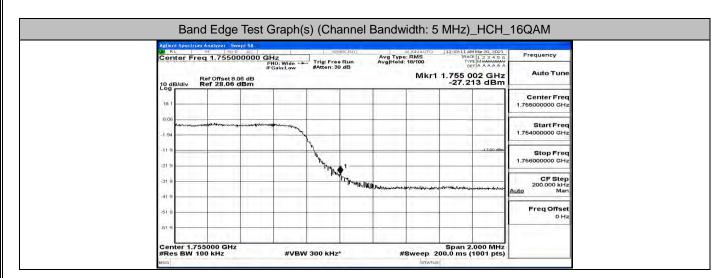


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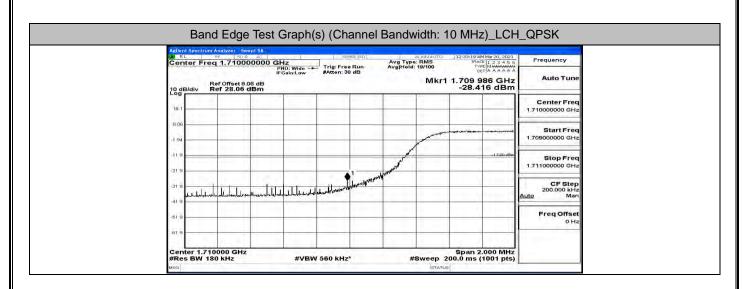


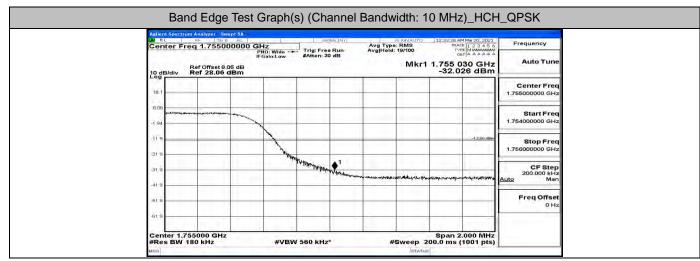






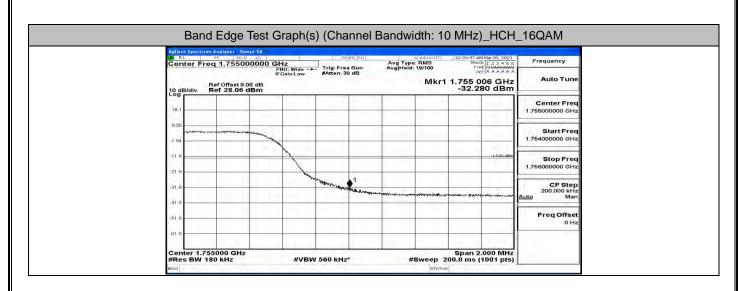
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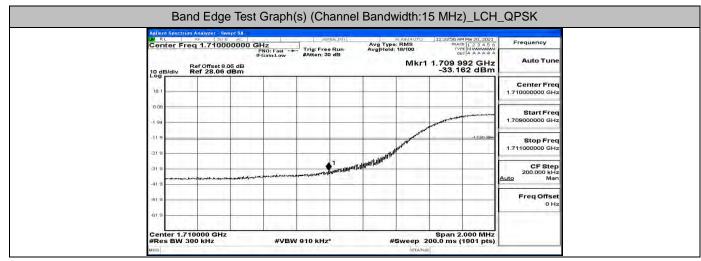




Center Freq 1.710000000 GHz PND: Wide Trig: Free Run Avg Type: RMS Free Run Avg Type: RMS Avg Type: RMS Avg Type: RMS PND: Wide Trig: Free Run Avg Type: RMS PND: Wide Trig: RMS P	Frequency
Ref Offset 9.05 dB Mkr1 1.709 992 GHz 10 dB/dlv Ref 28.06 dBm -33.260 dBm	Auto Tune
	Center Freq 710000000 GHz
190	Start Freq 70900000 GHz
	Stop Freq 711000000 GHz
	CF Step 200.000 kHz 2 Man
618	Freq Offset 0 Hz

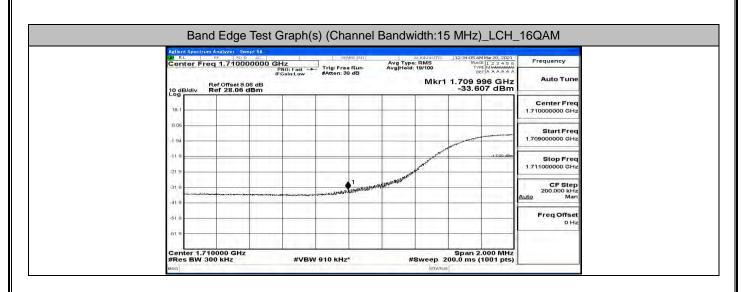
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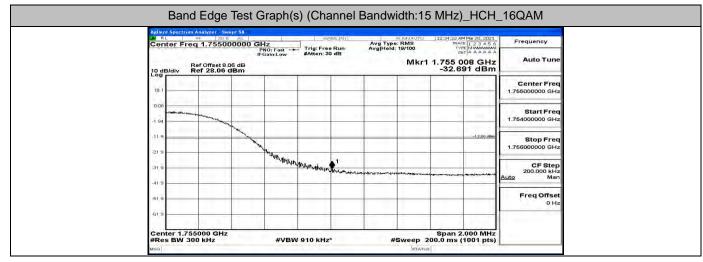




LW RL	Trum Analyzer			SPM	SEMV.		IGNAUTO	12:34:13 AM	Mar 20, 2021	1 12
Center I	Freq 1.75	5000000 G	Hz PNO: Fast -+	Trig: Free	Run	Avg Type Avg Hold:	RMS 18/100	TRACI	123456 MMMMMMM AAAAAA	Frequency
10 dB/div	Ref Offse Ref 28.0	t 8.06 dB	FGain:Low	#Atten: 30	dB			1.755 3		Auto Tune
18 1									1	Center Freq 1.755000000 GHz
8.06 -1.94		_								Start Freq 1.754000000 GHz
-11 9		-							-1 3,00 ciBen	Stop Freq 1.756000000 GHz
-41.9			and a strange	the state and	Maran Labora		1 Uniperational and a second		*	CF Step 200.000 kHz Auto Man
-61.9							-			Freq Offset 0 Hz

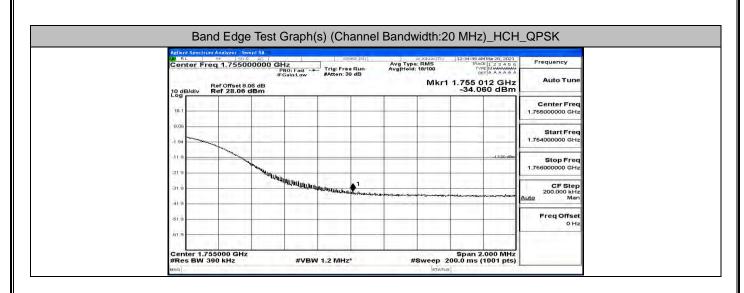
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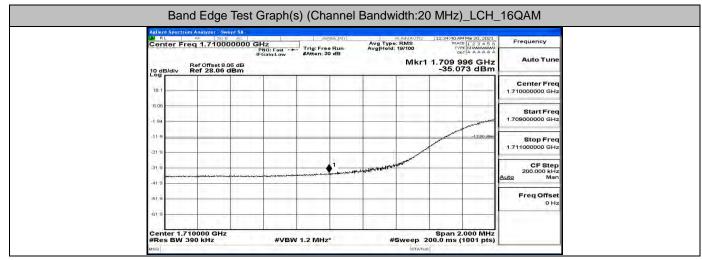




Center Freq 1.710000000 GHz PROF ast	Agilent Spectrum Anal	yzer Swept SA	Serie:n/v	alignauto 12:3	34:32 AM Mar 20, 2021	
Ref Offset 8.06 dB Mkr1 1.709 972 GHz Auto Tune 10 dB/alv Ref 28.06 dB -35.998 dB -35.998 dB 181 -36.998 dB -37.998 dB 171000000 GHz 193 -39.998 dB -37.998 dB 171000000 GHz 193 -39.998 dB -37.998 dB 171000000 GHz 194 -39.998 dB -39.998 dB 171000000 GHz 193 -39.998 dB -39.998 dB -39.998 dB 194 -39.998 dB -39.998 dB -39.998 dB 194 -39.998 dB -39.998 dB -39.998 dB 194 -39.998 dB -39.998 dB -39.998 dB 195 -39.998 dB -39.998 dB -39.998 dB 194 -39.998 dB -39.998 dB -39.998 dB 195 -39.998 dB -39.998 dB -39.998 dB 195 -39.998 dB -39.998 dB -39.998 dB 195 -39.998 dB -39.998 dB -39.998 dB 196 -39.998 dB -39.998 dB -39.998 dB 195 -39.		710000000 GHz	and a second second second	Avg Type: RMS Avg Held: 18/100	TRACE 123456	Frequency
181 Center Freq 101 1.71000000 GHz 103 1.7100000 GHz 104 1.7100000 GHz 119 1.71100000 GHz 110 1.711000000 GHz 110	10 dB/div Ref :	IFGain:Lov		Mkr1 1.7	09 972 GHz	Auto Tune
119 Start Freq Start Freq 1.709000000 GHz 119 1000000 GHz 1.709000000 GHz 1.709000000 GHz 119 1000000 GHz 1.701000000 GHz 1.711000000 GHz 119 1000000 GHz 1.711000000 GHz 1.711000000 GHz 119 1000000 GHz 1.711000000 GHz 1.711000000 GHz 119 1000000 GHz 1.711000000 GHz 1.7110000000 GHz 119 1000000 GHz 1.711000000 GHz 1.711000000 GHz 119 1000000 GHz 1.711000000 GHz 1.7110000000 GHz <td< td=""><td>10111111</td><td></td><td></td><td></td><td></td><td>Center Freq 1.710000000 GHz</td></td<>	10111111					Center Freq 1.710000000 GHz
219 Stop Freq 1.7(1000000 GHz 31a CF Stop 200.000 KHz 419 Erec Offset	C. L. L. L.		1		And and a second	
ST 0 419 619 Freq Offset Freq Offset					Jun water -13.00 clBm	
A19 Freq Offset	-31 B			Section - Contract - Section - Secti		200.000 kHz
	-41.9					Freq Offset

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LW RL	RF RF	AC AC		Ser	NEE:INT		ALIGNAUTO	12:34:58 AF	4 Mar 20, 2021	Frequency
Center	Freq 1.75	5000000 G	Hz PNO: Fast -+	Trig: Free	Run	Avg Type Avg Hold:	18/100	TYP	E 123456 E MUMANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	Frequency
10 dB/div	Ref Offse Ref 28.0	8.06 dB	FGain:Low	#Atten: 30) dB		Mkr1	1.755 0	16 GHz 87 dBm	Auto Tune
18 1		1011	1 1 1 1							Center Freq 1.755000000 GHz
0.06										Start Freq 1.754000000 GHz
-11.9	and the second	None and	1 1 1 1				1		-1 3,00 clBm	Stop Freq 1.756000000 GHz
-219 -319 -419		Address .	njig genijing genij	ana	n. Manuariana				upatricity dates	CF Step 200.000 kHz Auto Man
-61.9			-							Freq Offset 0 Hz

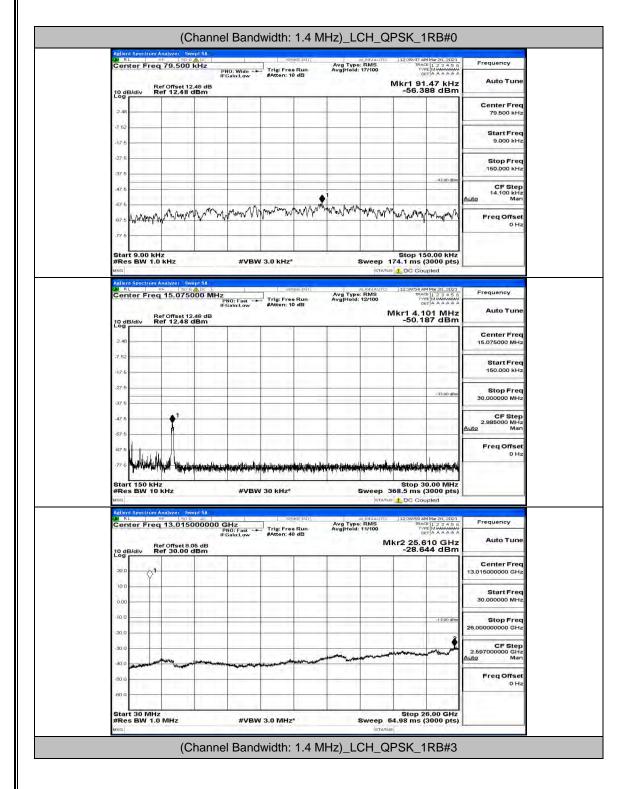
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Report No.: LCS210305005AEG

E.5 Conducted Spurious Emission

Test Graphs

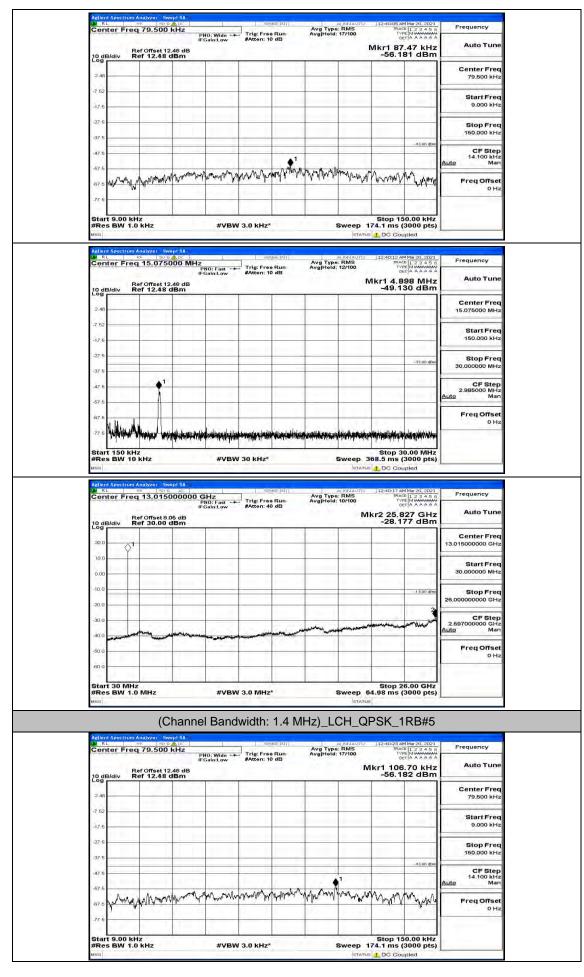
Channel Bandwidth: 1.4 MHz



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FCC ID: 2AX4Y-S88PLUS

Report No.: LCS210305005AEG



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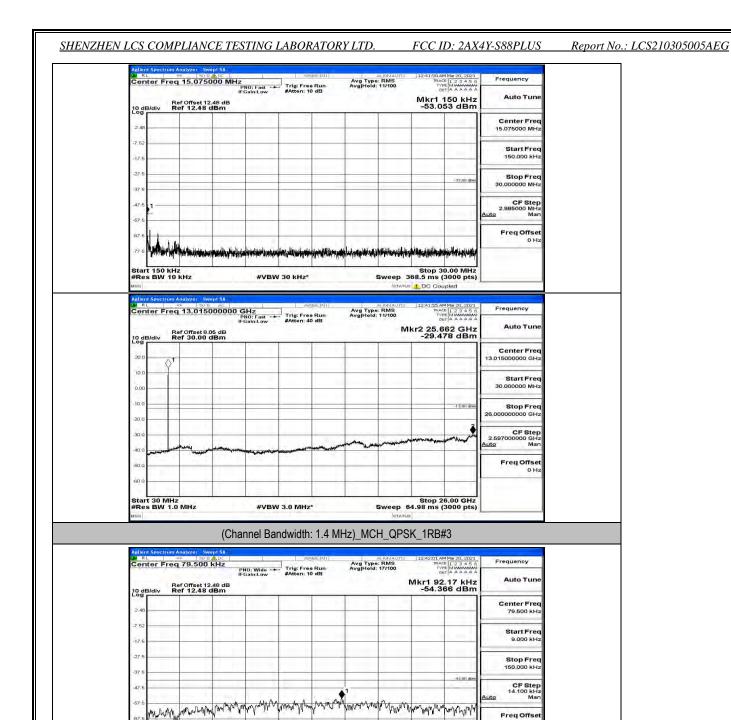
SHENZHEN LCS	COMPLIANCE TESTING LABORATORY LTD.	

FCC ID: 2AX4Y-S88PLUS Report No.: LCS210305005AEG

MAN Prequent	12:40:30 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWANAAAA DET A A A A A A	Type: RMS lold: 12/100	Run Av	Trig: Free #Atten: 10	Z PNO: Fast IFGain:Low	Contract of the owner of the	r Freq 15.0	Cen
Hz Auto Bm	1kr1 5.505 MHz -51.702 dBm	IV				et 12.48 dB .48 dBm	Ref Offse	10 dE
Center 15.07500								2.48
Star 150.00								-7.52
dBm Stop 30.00000	-33.00 dBm							-27.6
CF 2.98500 <u>Auto</u>						*		-47.5
Freq					1 1 1 1 1		de the	-67.6
	deige vieweigen geweigen der feister	HIR ALL AND	a defendent de la constitución de l	half-mail-mail-	a the state of the	and restrictions	and all all any second	-77-5
	Stop 30.00 MHz 68.5 ms (3000 pts)			/ 30 kHz*	#VBV	100 C	150 kHz BW 10 kHz	#Res
ots)	68.5 ms (3000 pts)		Run Av	Str	GHz	50.9 80		#Res
0221 15.6 Frequen XXXX Hz Auto	68.5 ms (3000 pts)	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	38		015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res Msg Aellen W RL Cen
0221 15.6 Frequen XXXX Hz Auto	68.5 m/s (3000 pts) DC Coupled 12:40:35 AM Mar 20, 2021 TRACE [2 2 4 5 6 TYPE [MANAGANA 021 A 2 4 5 A	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	Str	GHz PN0: Fast →	015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res
155 156 Hz Auto 3m Center	68.5 m/s (3000 pts) DC Coupled 12:40:35 AM Mar 20, 2021 TRACE [2 2 4 5 6 TYPE [MANAGANA 021 A 2 4 5 A	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	Str	GHz PN0: Fast →	015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res Msq Agilen M Ri Cen 10 dE
Hz Center 13.01500000 Start 30.00000	68.5 m/s (3000 pts) DC Coupled 12:40:35 AM Mar 20, 2021 TRACE [2 2 4 5 6 TYPE [MANAGANA 021 A 2 4 5 A	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	Str	GHz PN0: Fast →	015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	Action Action Con 20.0 10.0
Hz Center 13.01500000 Starr 30.00000 Storp	68.5 ms (3000 pts)	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	Str	GHz PN0: Fast →	015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res Action Action Con 20.0 10.0 0.00 -10.0
Content Frequent Hz Auto Star Star 30.0000 Star 26.0000000 Star 26.0000000 CP 25.59700000 CP	68.5 ms (3000 pts)	ALIGNAUTO YPE: RMS Ield: 10/100	Run Av	Str	GHz PN0: Fast →	015000000	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res MISG Action Action Con 2010 2010 -10.0 -20.0 -20.0 -40.0 -60.0
003. Frequent 1003. Frequent 1003. Auto 13.01500000 Start 13.01500000 Start 26.00000000 Auto 26.00000000 Freq.C Freq.C Freq.C	68.5 ms (3000 pts)	ALIGNAUTO Type: RMS fold: 10/100 MI	Run Av	Str	GHz PRO: Foat - FGainLow	2015000000 pet 8.06 dB .00 dBm	BW 10 kHz Pectrum Analyzer RF 1 or Freq 13.0 Ref Offse	#Res MSG Action Action Con Con Con Con Con Con Con C

Adjent Spectrum Analyzer Swept SA RL MF SUS ADC Center Freq 79.500 kHz	PNO: Wide Trig: Free Run	AugNauro 12:41:4 Avg Type: RMS 7 Avg Hold: 17/100	AM Mar 20, 2021 RACE 1 2 3 4 5 6 TVPE MWAAWAAAA DET A A A A A A	Frequency
Ref Offset 12.48 dB	IFGain:Low #Atten: 10 dB	Mkr1	2.19 kHz 271 dBm	Auto Tune
2.48				Center Freq 79.500 kHz
-7.52				Start Freq 9.000 kHz
-27.6				Stop Freq 150.000 kHz
47.6	•		-45.00 dbm	CF Step 14.100 kHz Auto Man
157.5 VANNIN WWW. MUMM	man har har	And was a second and and and and and and and and and a	number	Freq Offset 0 Hz
-77 5 Start 9.00 kHz			150.00 kHz	

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#VBW 3.0 kHz*

enter Freq 15.075000 MHz Free Run FGein:Low #Atten: 10 dB

Ref Offset 12.48 dB Ref 12.48 dBm

67

67 .77

10 dB/div

7.5

Start 9.00 kHz #Res BW 1.0 kHz

Start Freq 150.000 kHz

Avg Type: RMS Avg|Hold: 12/100

Stop 150.00 kHz Sweep 174.1 ms (3000 pts)

Mkr1 150 kHz -52.024 dBm

Freq Offse

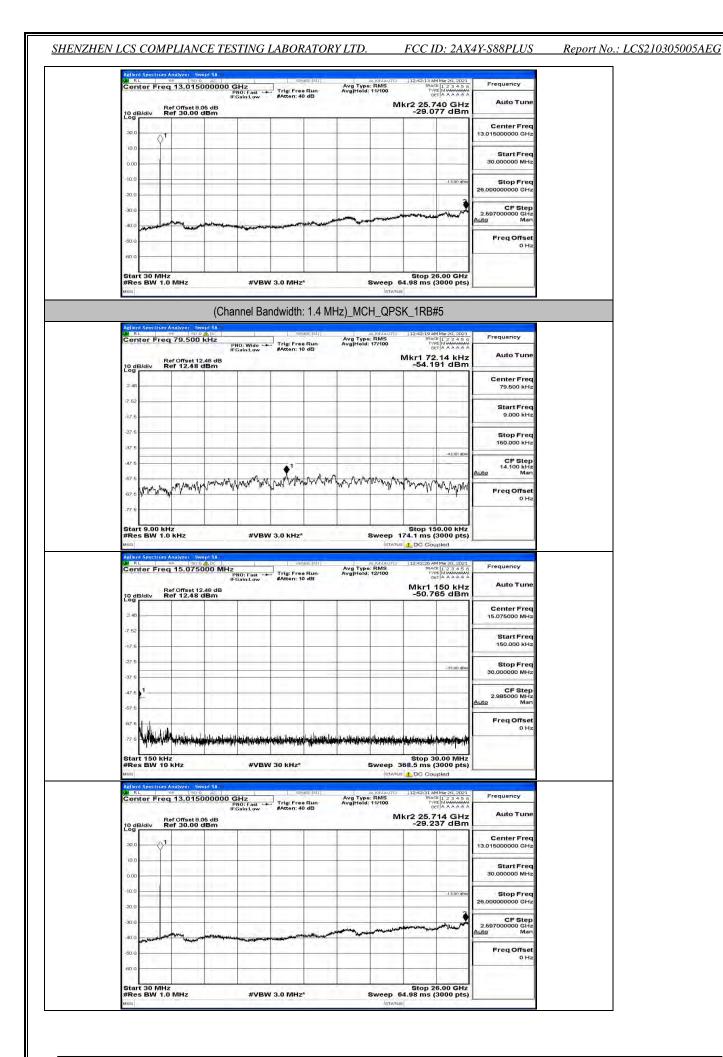
Frequency

Auto Tun

Center Freq 15.075000 MHz

17. 27 Stop Freq 30.000000 MHz -33.00 d -37 47 CF Step 2.985000 MHz Man 57 Freq Offse OH: .77 and the second we also in the second Stop 30.00 MHz Sweep 368.5 ms (3000 pts) Start 150 kHz #Res BW 10 kHz #VBW 30 kHz*

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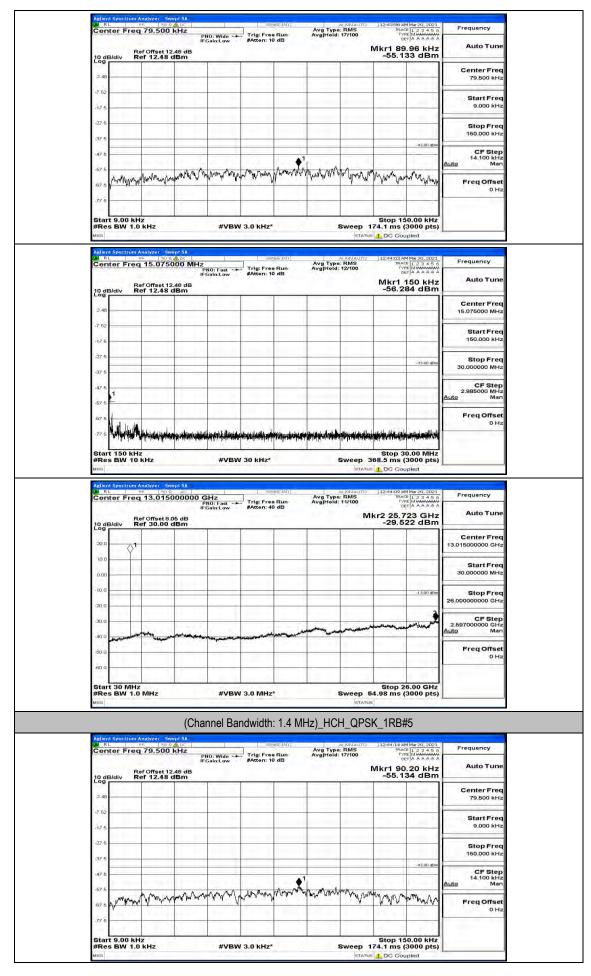
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		79.50	9 ADC		SE	MRE:MAY	Avg Type		12:43:38 A	M Mar 20, 2021 1 2 3 4 5 6	Frequency
	R	ef Offset		PNO: Wide -+ IFGain:Low	#Atten: 1	e Run 0 dB	Avg Type Avg Hold		Mkr1 90	.06 kHz 59 dBm	Auto Tune
2.48										1	Center Fred 79.500 kH;
-7 52											Start Fred 9.000 kH:
-27.6								1			Stop Fred 150.000 kH:
-37.6						▲ 1				-45.00 dbm	CF Step 14.100 kHz Auto Mar
-67.6 -67.6 🕰	Many	MUMANA	unintwo	hannah	mulumma	mmmum	n han MWMA	Mar Mar	muun	nontron	Freq Offse
-77 5											
Start 9 #Res E	.00 KH W 1.0	kHz		#VBV	V 3.0 KHZ'				Stop 15 174.1 ms (1 DC Cou		
LA RL		Analyzer 5 RF 51 15.07	wept SA 9 (A) DC 5000 MH	Z PNO: Fast →	SE Tria: Fre	NSEINY	Avg Type Avg[Hold	al (GNAUTO : RMS	12:43:45 A IRAC TVI	M Mar 20, 2021 E 1 2 3 4 5 6 E MWAAWAAA T A A A A A A	Frequency
10 dB/d	iv R	ef Offset	12.48 dB	IFGain:Low	#Atten: 1	0 415			Mkr1	160 kHz 25 dBm	Auto Tune
2.48											Center Frec 15.075000 MH;
-7 52								1	-		Start Free 150.000 kH:
-27.6										-33.00 dBm	Stop Free 30.000000 MH:
-37.6	_										CF Step 2.985000 MH: Auto Mar
-67.6									1.1		FreqOffse
-77 6	Nyungul	Hundernam	ng Marinh ng kanangan	haddarad had had had had had had had had had h	wijele ka fan he	enderhalter allerte	(logunalistichense)	hidda and the	it when the training of	wi.www.www.www.	0 H:
Start 1 #Res E				#VBV	V 30 kHz*				Stop 3 368.5 ms (
LA RL		nalyzer - 50 RF 50	wept SA I © AC 5000000	GHz	and the second second	NISE:MY	Avg Type		12:43:50 AI	M Mar 20, 2021 E 1 2 3 4 5 6 Pt MWAAWAAAA	Frequency
10 dB/d	B	ef Offset i ef 30.00	9.05 dB	PNO: Fast ↔ IFGain:Low	#Atten: 4	0 dB	Avg Hold		lkr2 25.9	ET A A A A A A	Auto Tune
20.0	^1										Center Fred 13.015000000 GH;
0.00				1				i	-		Start Free 30.000000 MH:
-10.0										-13.00 dBm	Stop Fred 26.000000000 GH:
										2	CF Step 2.697000000 GH
-20.0 -30.0		mun	mannam	www.www.www.www.			and the second	-			Auto Mar Freq Offse
-30.0 -40.0		Wexan		1							
-30.0		-		_							o H:

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Report No.: LCS210305005AEG



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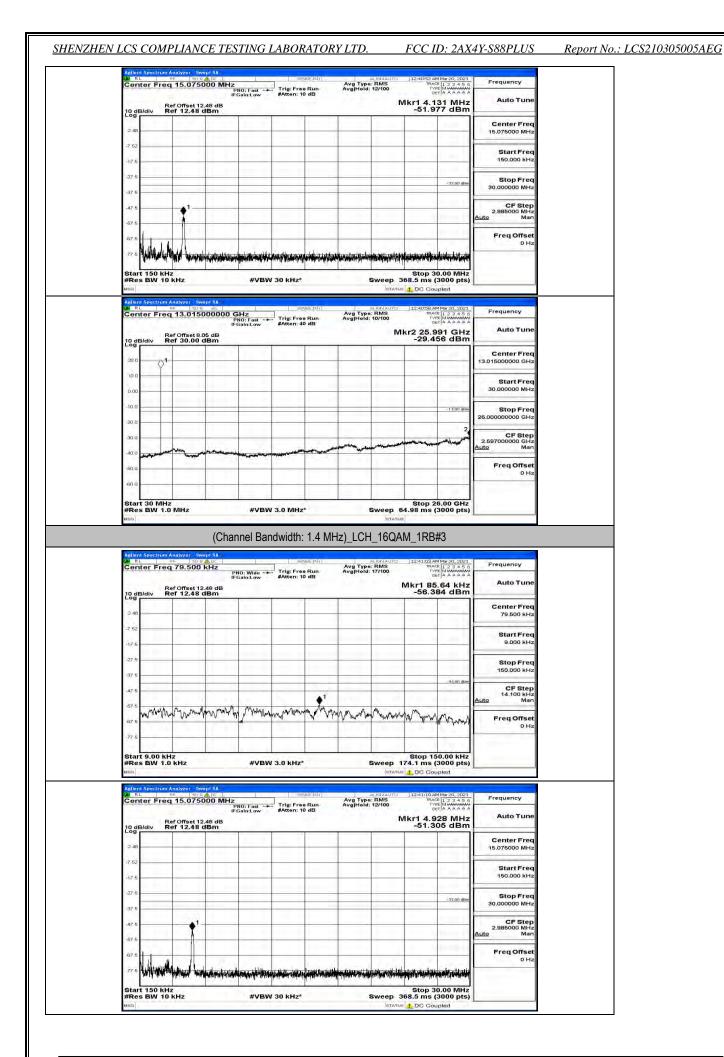
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FCC ID: 2AX4Y-S88PLUS Report No.: LCS210305005AEG

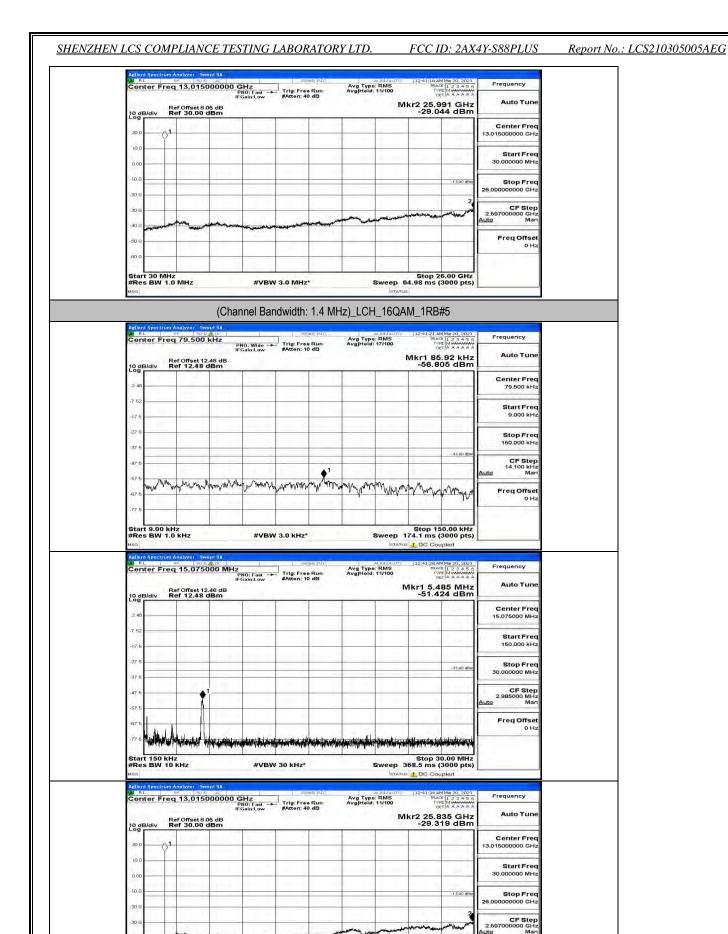
Auto Tun	50 kHz 55 dBm	Mkr1 1		1-7-	#Atten: 10 dB	FGain:Low	ef Offset 12.48 dB ef 12.48 dBm	Ref Offs B/div Ref 12	
Center Fre 15.075000 MH			-			10.1			2.48
Start Free 150.000 kH						1 1 1 1			-7.52
Stop Free 30.000000 MH:	-33.00 dBm								-27.6
CF Step 2.985000 MHz <u>Auto</u> Mar	1 1 - and 1 1		1			6 1 5 1 6 1 5 - 5		1	-47.5
Freq Offset 0 Hz				-					-67.6
Frequency	0.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 1 DC Cou	Sweep 3		i0 kHz*	#VBW GHz PN0: Fast	kHz Indlyzer Swept SA 타 [30 대 슈도] [13.015000000	t 150 kHz s BW 10 kHz 1 Spectrum Analyze	#Res Msa Aellent
Frequency Auto Tune	D.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 12:44:20 AM TRACC TYPE DE kr2 25.6	Sweep 3 Istatus ALIGNAUTO 2: RMS 2: 11/100	Avg Type	0 kHz*	#VBW	z kHz 1001yzer - Swept SA ## 150 12 #2 13.015000000	t 150 kHz s BW 10 kHz I Spectrum Analyze ter Freq 13. Ref Offe	Start #Res Msg Aglient
Auto Tune Center Freq	0.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 12:44:20 AM TRACC TYPE DE kr2 25.6	Sweep 3 Istatus ALIGNAUTO 2: RMS 2: 11/100	Avg Type	i0 kHz*	#VBW GHz PN0: Fast	z kHz 10.01/2/2/ Swept SA ====================================	t 150 kHz s BW 10 kHz I Spectrum Analyze ter Freq 13. Ref Offe	Start #Res Msg Aellent
	0.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 12:44:20 AM TRACC TYPE DE kr2 25.6	Sweep 3 Istatus ALIGNAUTO 2: RMS 2: 11/100	Avg Type	i0 kHz*	#VBW GHz PN0: Fast	z kHz 10.01/2/2/ Swept SA ====================================	t 150 kHz s BW 10 kHz I Spectrum Analyze ter Freq 13. Ref Offe	Start #Res Msg Adlent W RL Cent
Auto Tune Center Freq 13.01500000 GHz Start Freq	0.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 12:44:20 AM TRACC TYPE DE kr2 25.6	Sweep 3 Istatus ALIGNAUTO 2: RMS 2: 11/100	Avg Type	i0 kHz*	#VBW GHz PN0: Fast	z kHz 10.01/2/2/ Swept SA ====================================	t 150 kHz s BW 10 kHz I Spectrum Analyze ter Freq 13. Ref Offe	Start #Res Action 200 000
Auto Tuno Center Free 13.015000000 GH; Start Free 30.00000 MH; Stop Free	0.00 MHz 3000 pts) pled	Stop 30 68.5 ms (3 12:44:20 AM TRACC TYPE DE kr2 25.6	Sweep 3 Istatus ALIGNAUTO 2: RMS 2: 11/100	Avg Type	i0 kHz*	#VBW GHz PN0: Fast	z kHz 10.01/2/2/ Swept SA ====================================	t 150 kHz s BW 10 kHz I Spectrum Analyze ter Freq 13. Ref Offe	Start #Res Misa Adlient 20.0 10.0 0.00

Frequency	M Mar 20, 2021 CE 1 2 3 4 5 6		RMS	Avg Type	endeste : 103 y	a Conference	1	DORADC		ellent Speci RL Center F
Auto Tune	5.58 kHz 17 dBm	Mkr1 15		Avg Hold:	io dB	#Atten:	PNO: Wide -+ IFGain:Low		Ref Offset Ref 12.4	10 dB/div
Center Freq 79.500 kHz			-							2.48
Start Freq 9.000 kHz										-7 52
Stop Freq 150.000 kHz	Ē		1							-27.6
CF Step 14.100 kHz uto Man	-13.00 dbm						-		1	47.6
Freq Offset 0 Hz	pertagent-	mp where	Mandera	Minum	mannin	Numnun	Markenska	1 military Viller	When	67.6 67.6
						-				77 5

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40.

5D.

Start 30 MHz #Res BW 1.0 MHz

#VBW 3.0 MHz*

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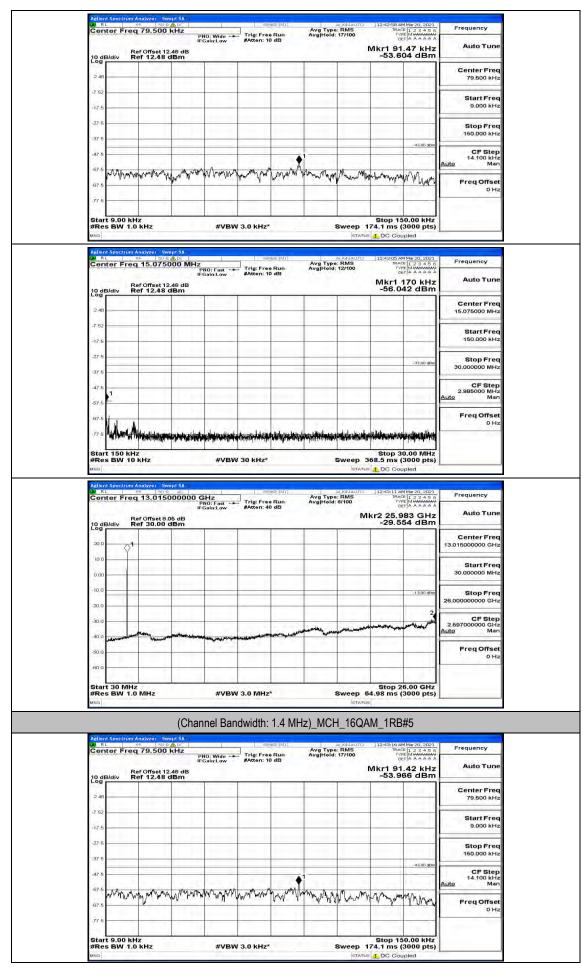
Stop 26.00 GHz Sweep 64.98 ms (3000 pts) Freq Offse

LW RL	req 79.500			SEMSE:MY	Avg Type Avg Hold		12:42:40 AM TRACE	Mar 20, 2021	Frequency
10 dB/div	Ref Offset 1 Ref 12.48	PNO IFG): Wide Tris sin:Low #At	g: Free Run ten: 10 dB	Avg Hold		Mkr1 91.		Auto Tune
2.48						1		·	Center Fred 79.500 kHz
-7 52									Start Free 9.000 kHz
-17.6		in the second							Stop Fred
-37 5								-45.00 dbm	150.000 kHz CF Step 14.100 kHz
57.5	vurnation	Norman	Mannam	manna	A monthan	Munar	han an	ml.	<u>Auto</u> Mar
-67.6			h	1.0	11.4.04	N allalais	ala e constance	4 Planny	Freq Offsel 0 Ha
Start 9.00 #Res BW			#VBW 3.0	Liber			Stop 15	0.00 kHz	
MSG	um Analyzer - Sv	wept SA	#VBW 3.0	N12	_	STATUS	174.1 ms (3	pled	
L RL	req 15.075	OOO Milla	0: Fast Tris ain:Low #At	sense (n) g: Free Run ten: 10 dB	Avg Type Avg Hold	augnauto : RMS : 12/100	12:42:47 AM TRACE TYPE DET		Frequency
10 dB/div	Ref Offset 1 Ref 12.48	2.48 dB			_		Mkr1 1 -54.59	50 kHz 7 dBm	Auto Tune
2.48	1 11 11				-				Center Fred 15.075000 MHz
-7.52		1.11	111					(*) 	Start Free 150.000 kHz
-27.6								-33.00 dbm	Stop Free 30.000000 MHz
-37.6									CF Step 2.985000 MHz
-67.6	-								Auto Mar Freq Offset
-67.5 -77.5	-	haribarritation this	eteren den fan den in den in		e have had a day	in delaying	an a	Ni Mini Kan	0 H
Start 150 #Res BW	kHz	-	#VBW 30 F	1.00	-1-	10.000		.00 MHz	
RI RI	um Analyzer - Sv	0 41	-	SENSEDUT			DG Cou	Mar 20, 2021	
		-IF-G		g: Free Run ten: 40 dB	Avg Type Avg Hold		kr2 25.6	123456 Mulauman 54 GHz	Frequency Auto Tune
10 dB/div 20 0	Ref Offset 8 Ref 30.00	dBm				1	-28.99	1 dBm	Center Free 13.015000000 GHz
10.0	21								Start Free
0.00						1			30.000000 MH:
-20.0		-						-13.00 dBm	Stop Frec 26.00000000 GH2
-30.0	- Marine	-		ور المراجع الم	-	-		and a start of the	CF Step 2.597000000 GHz Auto Mar
-40.0	-		any ali shi wata ya katan			1			Freq Offser 0 Hz
	-			_				-	
-60 0	1. 1								

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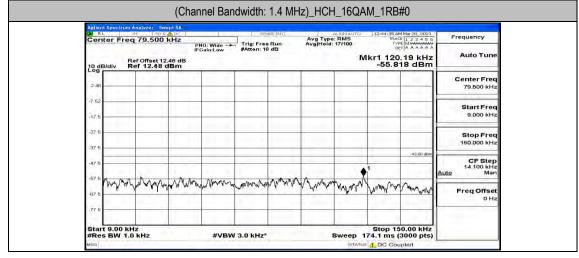
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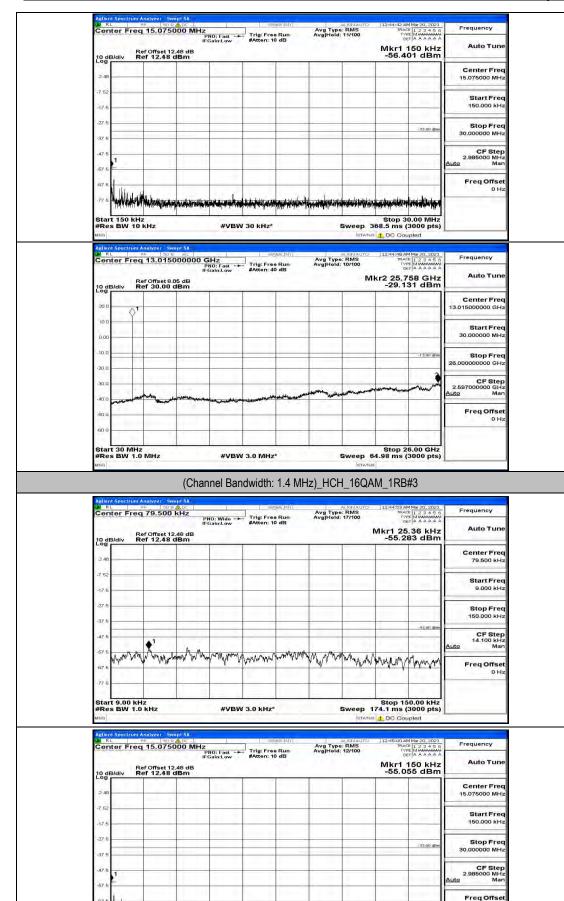
FCC ID: 2AX4Y-S88PLUS

Report No.: LCS210305005AEG

	Ref Offse	t 12.48 dB	NO: Fast Gain:Low	Trig: Free Ru #Atten: 10 dB	Avg Tyj Avg Hol	pe: RMS d: 12/100	Mkr1 150	D kHz	Frequency Auto Tun
10 dB/d	iv Ref 12.	48 dBm	-	_			-55.979	dBm	
2.48			1			-			Center Fre 15.075000 MH
-7.52							<u> </u>		Start Fre- 150.000 kH
-27.6					_			-33.00 dBm	Stop Fre 30.000000 MH
-47.5									CF Step 2.985000 MH <u>Auto</u> Ma
-67.6									Freq Offse
LW RL	RF 1	50 Q AC	#VBW	SEMSE:D	1	ALIGNAUTO	12:43:20 AM Mar	d 20.2021	Constant of the
Agilent S	r Freq 13.0	15000000 G		Serie:1		ALIGNAUTO pe: RMS d: 11/100	12:49:20 AM Mar 12:49:20 AM Mar TRACE 1 TYPE M DET A kr2 25.957	d 2 3 4 5 6 3 4 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Frequency Auto Tun
Agilent S	r Freq 13.0 Ref Offse	15000000 C	SHz	Senise in		ALIGNAUTO pe: RMS d: 11/100	12:43:20 AM Mar TRACE 1 TYPE M DET A	d 2 3 4 5 6 3 4 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Frequency Auto Tun Center Fre 13.01500000 GH
10 dB/d	Ref Offse	15000000 C	SHz	Senise in		ALIGNAUTO pe: RMS d: 11/100	12:49:20 AM Mar 12:49:20 AM Mar TRACE 1 TYPE M DET A kr2 25.957	d 2 3 4 5 6 3 4 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Auto Tun Center Free
Adjent St Jan RL Cente 10 dB/d 20 0	Ref Offse	15000000 C	SHz	Senise in		ALIGNAUTO pe: RMS d: 11/100	12:42:23 AMM TRACE 11 TRACE 11 TRACE 11 TRACE 11 TRACE 12 TRACE 12 TR	d 23,2021 23456 34444 GHz dBm	Auto Tun Center Fre 13.015000000 GH Start Free
Applent St. 200	Ref Offse	15000000 C	SHZ NO: Fast -> Coinclow	Senise in		ALIGNAUTO pe: RMS d: 11/100	12:42:23 AMM TRACE 11 TRACE 11 TRACE 11 TRACE 11 TRACE 12 TRACE 12 TR	d 20.2021 23.45.6 34.444 dBm dBm	Auto Tun Center Free 13.01500000 GH Start Free 30.000000 MH Stop Free
Action R 20 Cente 100 300 100 -000 -100 -300 -300 -300 -300 -300	Ref Offse	15000000 C	SHz	Senise in		ALIGNAUTO pe: RMS d: 11/100	12:42:23 AMM TRACE 11 TRACE 11 TRACE 11 TRACE 11 TRACE 12 TRACE 12 TR	d 23,2021 23456 34444 GHz dBm	Auto Tuni Center Free 13.01500000 GH Start Free 30.000000 MH Stop Free 26.0000000 GH CF Stee 2.69700000 GH
201001 Start 3	Ref Offse	15000000 C	SHZ NO(Fast Gain:Low	Senise in		а калалута ре: RMS ре: RMS от 17/00 М	12:42:23 AMM TRACE 11 TRACE 11 TRACE 11 TRACE 11 TRACE 12 TRACE 12 TR	d 30.3021 23.356 dBm dBm 	Auto Tun Center Free 13.01500000 GH Start Free 30.000000 MH Stop Free 26.0000000 GH 2.69700000 GH Auto Mai



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.77

Start 150 kHz #Res BW 10 kHz

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and the second se

Stop 30.00 MHz Sweep 368.5 ms (3000 pts)

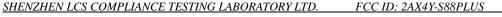
NAM WAN

#VBW 30 kHz*

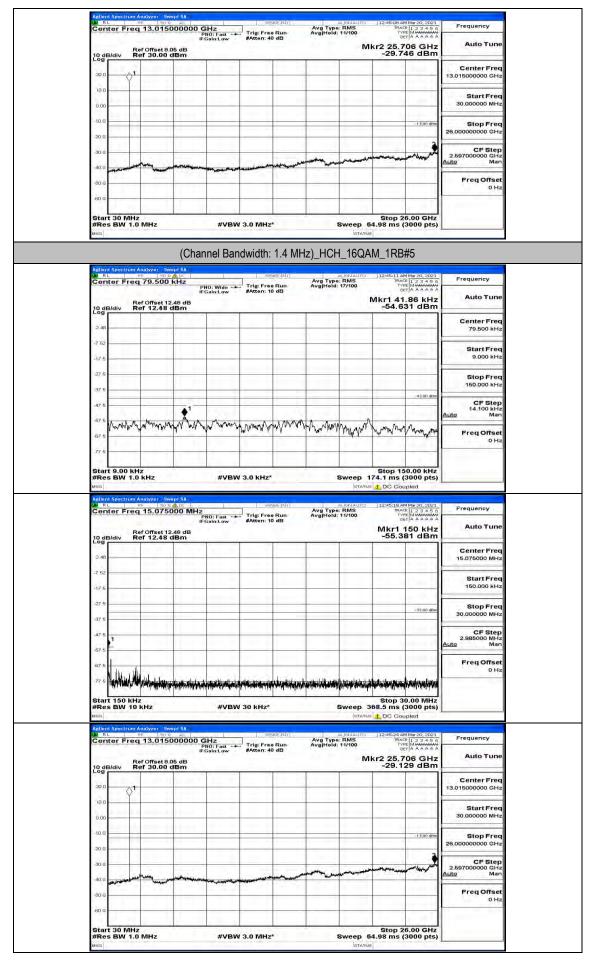
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Report No.: LCS210305005AEG



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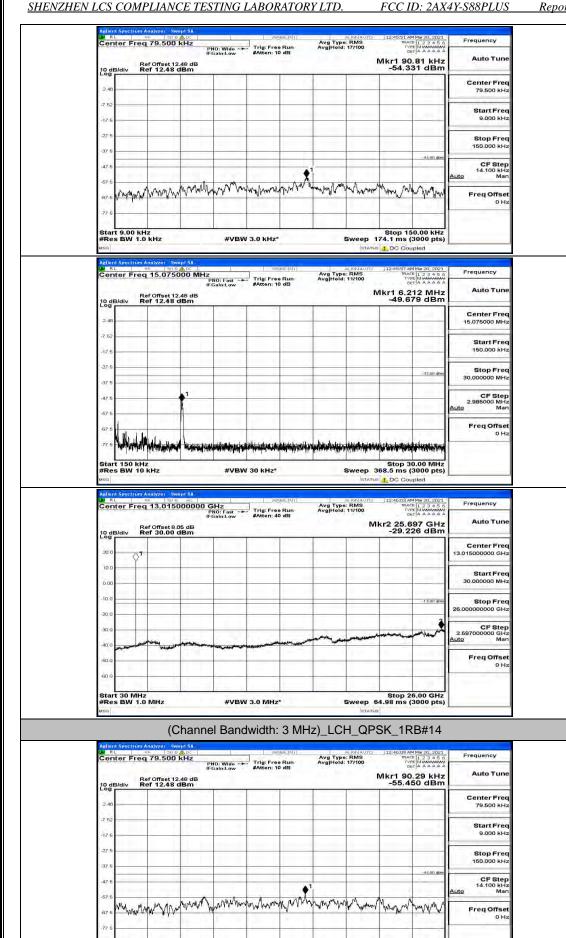


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Channel Bandwidth: 3 MHz

Adjent Spectrum An LW RL 9 Center Freq	F 50 9 ADC-		SENSE:MY	ALIGNAUTO	12:45:33 AM Mar 20, 2021 TRACE 1 2 3 4 5 6	Frequency
Conton Freq	13.300 KH2	PNO: Wide Trig IFGain:Low #At	ten: 10 dB	Type: RMS Hold: 17/100	TRACE 123456 TVPE MUMANAAAA DET A A A A A A	Auto Tune
10 dB/div Re	f Offset 12.48 dB				Mkr1 91.32 kHz -54.520 dBm	Auto rune
2.48		1.1.1			- 1 Aug .	Center Freq 79.500 kHz
-7 52	11111				111111	75,500 1112
-17.6		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	24-46-1	Start Freq 9.000 kHz
-27.6						Charle France
-37.6						Stop Freq 150.000 kHz
-47.6					-13.00 dbm	CF Step
-67.6		m	AL	AL		14.100 kHz Auto Man
57.5 MANNAM	Mar many	Mun Manhan	munder	Ladded a proversion	mount	Freq Offset
-77 5					1000	0 Hz
Start 9.00 kHz	7			1	Stop 150.00 kHz	
#Res BW 1.0	кнz	#VBW 3.0	kHz*		74.1 ms (3000 pts)	
Agilent Spectrum Au	nalyzer - Swept SA				The second second	
Center Freq	15.075000 M	Hz PNO: Fast Trig IFGain:Low #At	Free Run Av	Type: RMS Hold: 11/100	12:45:40 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWANNAAA DET A A A A A A	Frequency
Re	f Offset 12.48 dB	IFGain:Low #At	ten: 10 dB		1kr1 4.131 MHz	Auto Tune
10 dB/div Re	ef 12.48 dBm				-50.304 dBm	
2.48						Center Freq 15.075000 MHz
-7 52				-		Start Freq
-17.6						150.000 kHz
-27.6					~33.00 dBm	Stop Freq
-37.6						30.000000 MHz
-47.6	• ¹					CF Step 2.985000 MHz
-67.6			_			<u>Auto</u> Man
-67.5						Freq Offset 0 Hz
.77 6 WWWW	NA Antoning production	while wanted the second		an an a state of the	internation of the states of t	
Start 150 kHz		#VBW 30 F		Putran C	Stop 30.00 MHz	
#Res BW 10 H	n/12	#VEVU 30 1			68.5 ms (3000 pts)	
Agilent Spectrum An	F 50 9 AC		sevise:my	ALIGNAUTO	12:45:45, AM Mar 20, 2021	Frequency
Center Freq	13.01500000	PNO: Fast Ing	g: Free Run Avg ten: 40 dB	Type: RMS Hold: 10/100	TYPE MWANNAAA DET A A A A A A	1
10 dB/div Re	f Offset 8.05 dB			M	kr2 25.714 GHz -29.360 dBm	Auto Tune
			1	21 Jac 1		Center Freq
Y						13.015000000 GHz
10.0					5	Start Freq 30.000000 MHz
0.00						77.111.1.1.5
-10.0				-	-13.00 dBm	Stop Freq 26.00000000 GHz
-20.0	1.1				3	CF Step
-30.0	-	1.5.8.12		mannen	and a second and a s	2.697000000 GHz Auto Man
-10.0	Wind water and the state of the	and the state of t				Freq Offset
						0 Hz
-50.0						
-60.0	MHz	#VBW 3.0	MHz*	Sweep 6	Stop 26.00 GHz 4.98 ms (3000 pts)	

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Start 9.00 kHz #Res BW 1.0 kHz

#VBW 3.0 KHz*

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Stop 150.00 kHz Sweep 174.1 ms (3000 pts)

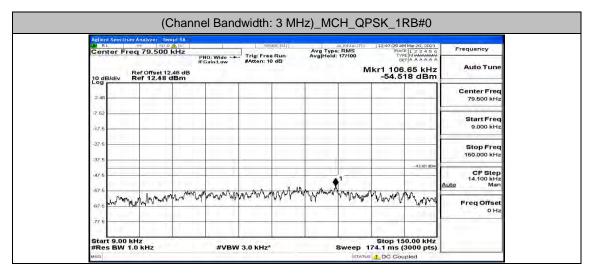
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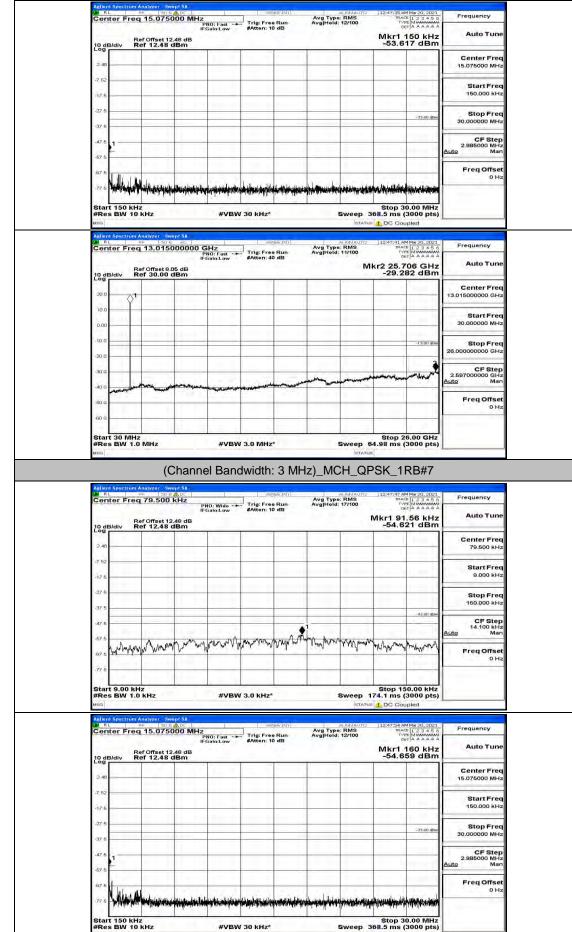
FCC ID: 2AX4Y-S88PLUS

Report No.: LCS210305005AEG

	Ref Offset 1	-IF,C	NO: Fast Gain:Low	#Atten: 10	dB	Avg Type Avg Hold:		kr1 7.8	74 MHz	
10 dB/div	Ref 12.48	dBm						-50.5	99 dBm	
							1	-		Center Fred
2.48				-		-	-		-	15.075000 MH
-7.52	_					_	-			
			1.0.0						P	Start Fred
-17.6										150.000 kH:
-27.6							-	_		Stop Fred
	_						-		-33.00 dBm	30.000000 MHz
-37.6										
-47.5		•1-	-		_		-	_		CF Step 2.985000 MHz
20	0.1	Å	1.1			1.00			10-ma (*	Auto Mar
-67.6										The Average with the
67.6		-					-		_	Freq Offset
-77 5	What when a start when the start whe	6 David Law	Les Diver	al main and	. is to bit	new design	and a sure to a	matel line	d land adde	9.11
11.0	alaan da saadadhadhad	reliant with the second	A HILLAN AND HALL	Mark Street as	which and the	the balling and	-	and the second	No. abilitative	
Start 15	0 kHz	-					1	Stop 3	0.00 MHz	
#Res Bl				001.11-1					3000 pts)	
mico bi	V 10 KHZ		#VBW	30 kHz*			sweep 3	00.0 1110 (acoo praj	
Msg	N 10 KHZ		#VBW	30 KM2*			and the second se	LDC Cou	and the second se	
MSG Aeilent Spe	-trum Analyzer - S	wept SA	#VBW			_	ISTATUS	L DC Col	pled	
Agilent Spe	0.000	5000000 G	iHz	Seve	SERIA	Avg Type	ALIGNAUTO	12:46:22 A	pled	Frequency
MSG Agilent Spe L <mark>W</mark> R L	etrum Analyzer - S	5000000 G	- 1	Seve	Run		ALIGNAUTO B: RMS : 11/100	12:46:22 AF	AMar 20, 2021 E 1 2 3 4 5 6 E M MANANANA T A A A A A A	Frequency
MSG Aglient Spe W RL Center	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency
MSG Agilent Spe	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	AMar 20, 2021 E 1 2 3 4 5 6 E M MANANANA T A A A A A A	Frequency Auto Tune
Action Spe by RL Center	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune Center Frec
MSG Adlent Spe WRL Center	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune
Action Spe by RL Center	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune Center Frec 13.015000000 GHz
MSG Adlent Spa N RL Center 10 dB/div 20 0	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune Center Frec
Adjent Spe Adjent Spe Adjenter	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune Center Frec 13.015000000 GHz Start Frec
Action Spe RL Center 10 dB/div 20 0	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Mar 20, 2021	Frequency Auto Tune Center Frec 13.015000000 GHz Start Frec
меа Adlent Spe 10 dB/div Center 10 dB/div 20 0 -10.0	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune Center Frec 13.01500000 GH; Start Frec 30.000000 MH;
меа Adlent Spe 24 RL Center 10 dB/div 20 0 0.00	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune Center Free 30.000000 GHz Start Free 30.000000 MHz Stop Free 26.00000000 GHz
меа Adlent Spe 10 dB/div Center 10 dB/div 20 0 -10.0	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune Center Frec 13.01500000 GH2 Start Frec 30.000000 MH2 Stop Frec 26.0000000 GH2 2.69700000 GH2 2.69700000 GH2
Vision Action tone M RC Conter 20 8 000 000 000 000 000 000 000 000 000 000 000 000	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune 3.0.1500000 GHz Start Frec 30.00000 MHz Stop Frec 26.00000000 GHz
мео Actient See 20 RL Contor 10 dB/div 20 0 10 0 -10.0 -20.0	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune Center Frec 13.01500000 GHJ Start Frec 30.000000 OHJ 26.0000000 GHJ 2.6970000 GHJ 2.6970000 GHJ Auto Mar
Million Long Mathematical Mathematical </td <td>Freq 13.015</td> <td>5000000 G</td> <td>iHz</td> <td>SEN:</td> <td>Run</td> <td>Avg Type</td> <td>ALIGNAUTO B: RMS : 11/100</td> <td>12:46:22 AF</td> <td>Pled</td> <td>Frequency Auto Tune Center Frec 13.01500000 GH2 Start Frec 30.000000 MH2 Stop Frec 26.0000000 GH2 2.69700000 GH2 2.69700000 GH2</td>	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pled	Frequency Auto Tune Center Frec 13.01500000 GH2 Start Frec 30.000000 MH2 Stop Frec 26.0000000 GH2 2.69700000 GH2 2.69700000 GH2
USG Action ton Conter 200 200 -000 -	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pied	Frequency Auto Tune Center Frec 13.015000000 GH; Start Frec 30.0000000 GH; Stop Frec 26.0000000 GH; CF Step 2.65700000 GH; Auto Mar
USG Action (Spa Contor Cont	Freq 13.015	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	12:46:22 AF	Pied	Frequency Auto Tune Center Frec 13.015000000 GH; Start Frec 30.0000000 GH; Stop Frec 26.0000000 GH; CF Step 2.65700000 GH; Auto Mar
USG Action ton Conter 200 200 -000 -	Freq 13.015 Freq 13.015 Ref 0fiset E	5000000 G	iHz	SEN:	Run	Avg Type	ALIGNAUTO B: RMS : 11/100	LC Cou 12:40:22 AT TRAC TRA	Pied	Frequency Auto Tune Center Frec 13.015000000 GH; Start Frec 30.0000000 GH; Stop Frec 26.0000000 GH; CF Step 2.65700000 GH; Auto Mar



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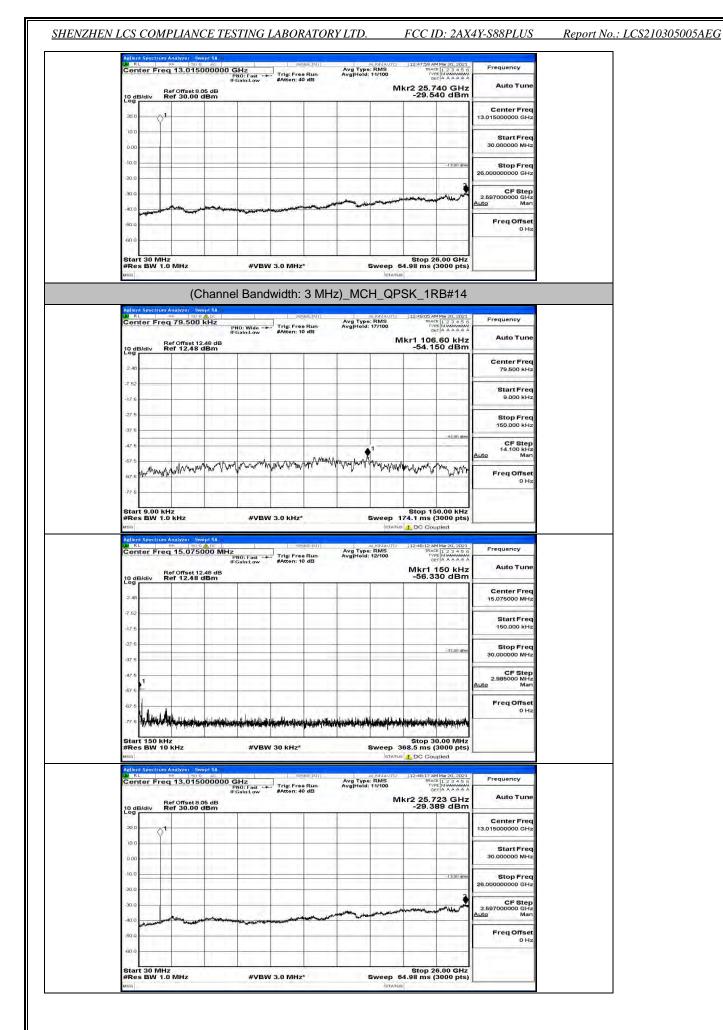


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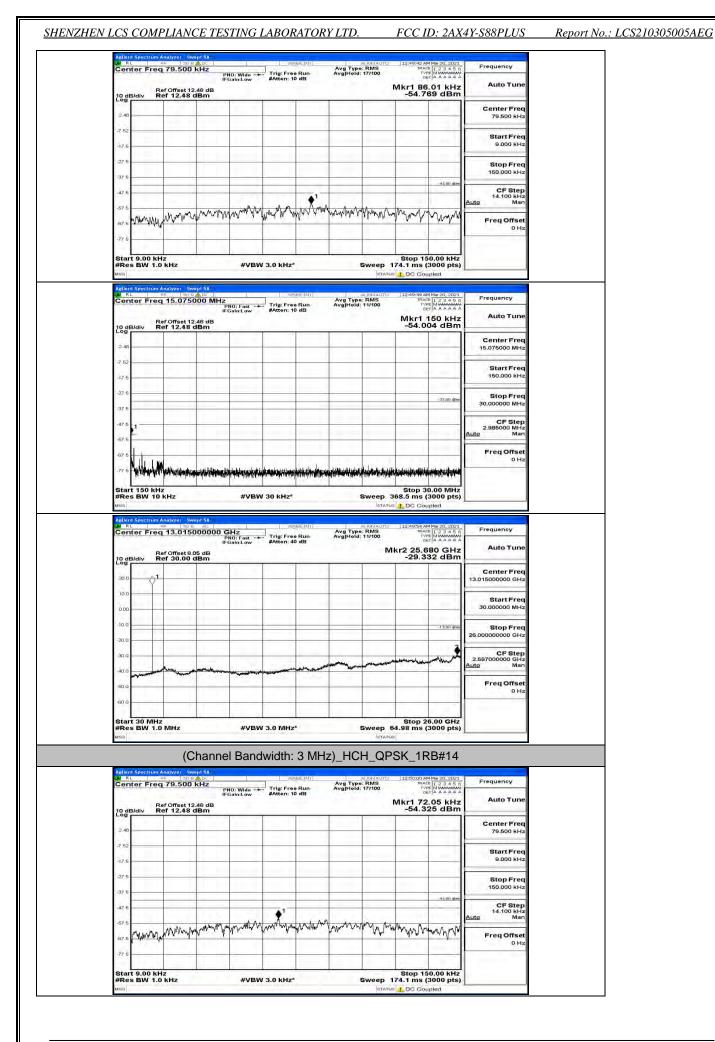
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wept SA S ALC SENSE:		12:49:24 AM Mar 20, 2021	Frequency
PNO: Wide Trig: Free R IFGain:Low #Atten: 10 dl	Avg Type: RMS an Avg Hold: 17/100 3	Mkr1 86.15 kHz	Auto Tune
dBm		-54.640 (18)	Center Freq
			79.500 kHz
	· · · · · · · · · · · · · · · · · · ·	1	Start Freq 9.000 kHz
			Stop Freq 150.000 kHz
	A1	-46.00 dbm	CF Step 14.100 kHz
and any more and more thank	The how many many many many many	monorman	<u>Auto</u> Man
		4 Writer	Freq Offset 0 Hz
		Stop 150.00 kHz	
#VBW 3.0 kHz*			4
wept SA 9 ADC SENSE 3000 MHz	Avg Type: RMS	12:49:31 AM Mar 20, 2021 TRACE 1 2 3 4 5 6	Frequency
IFGain:Low #Atten: 10 dl	an Avg Hold: 12/100 3	Mkr1 160 kHz	Auto Tune
dBm		-54.491 dBm	Center Freq
			15.075000 MHz
		20. A (1 m)	Start Freq 150.000 kHz
		111 A 14 18	Stop Freq
		-33.00 dBm	30.000000 MHz
			CF Step 2.985000 MHz Auto Man
		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Freq Offset 0 Hz
	water and the state of the section o	here with the shift of a share later	0 112
#VBW 30 kHz*	Sweep	Stop 30.00 MHz 368.5 ms (3000 pts)	
0 AL SENSE	Avg Type: RMS Avg Hold: 11/100	12:49:36 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MUMANAMA	Frequency
		1kr2 25.680 GHz	Auto Tune
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Center Freq 13.015000000 GHz
			Start Freq 30.000000 MHz
		-1.3.00 dBm	Stop Freq 26.00000000 GHz
		3	CF Step
and the second s		particular and a second stand	2.597000000 GHz Auto Man
			Freq Offset 0 Hz
		Stop 26.00 GHz 64.98 ms (3000 pts)	
	Web 5A Trip: Free 5R ITHZ Price interior ITHZ Trip: Free 5R ITHZ ITHZ	Weit SA GAD Select (11) Areason (17) Avg Type: RMS Avg Ty	Alexan Diale Control Dial

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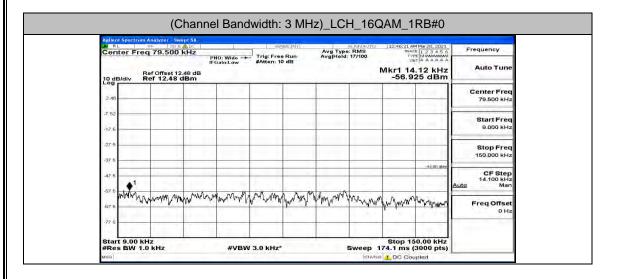
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	SHENZHEN LO	CS COMPLIANCE	TESTING LABORATORY LTD.
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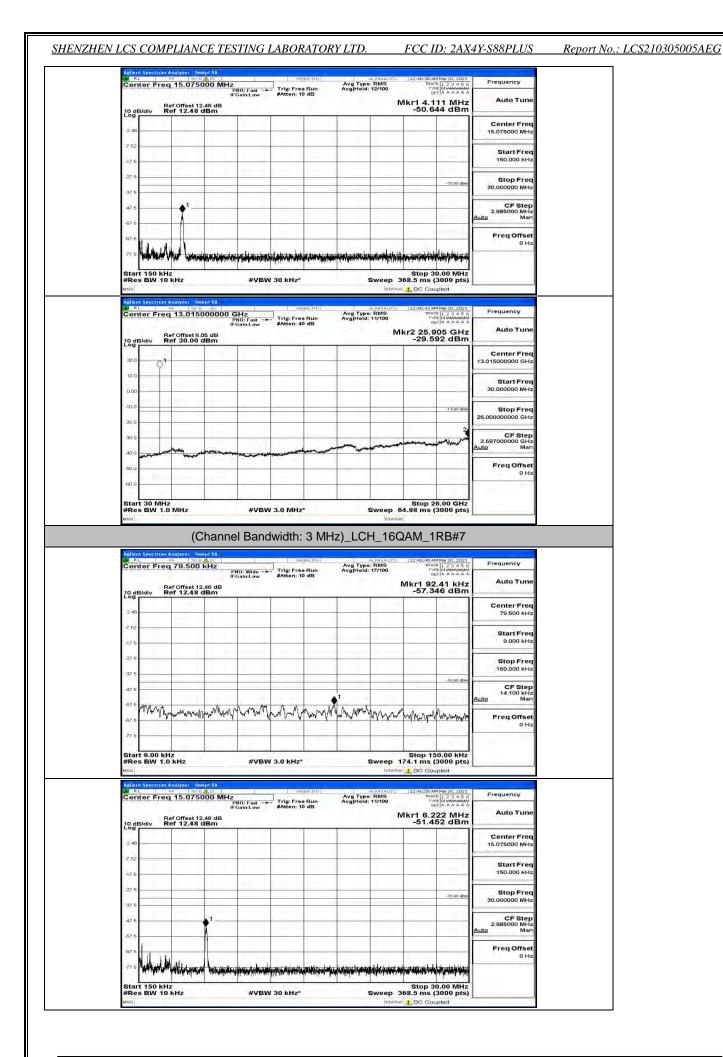
FCC ID: 2AX4Y-S88PLUS

Report No.: LCS210305005AEG

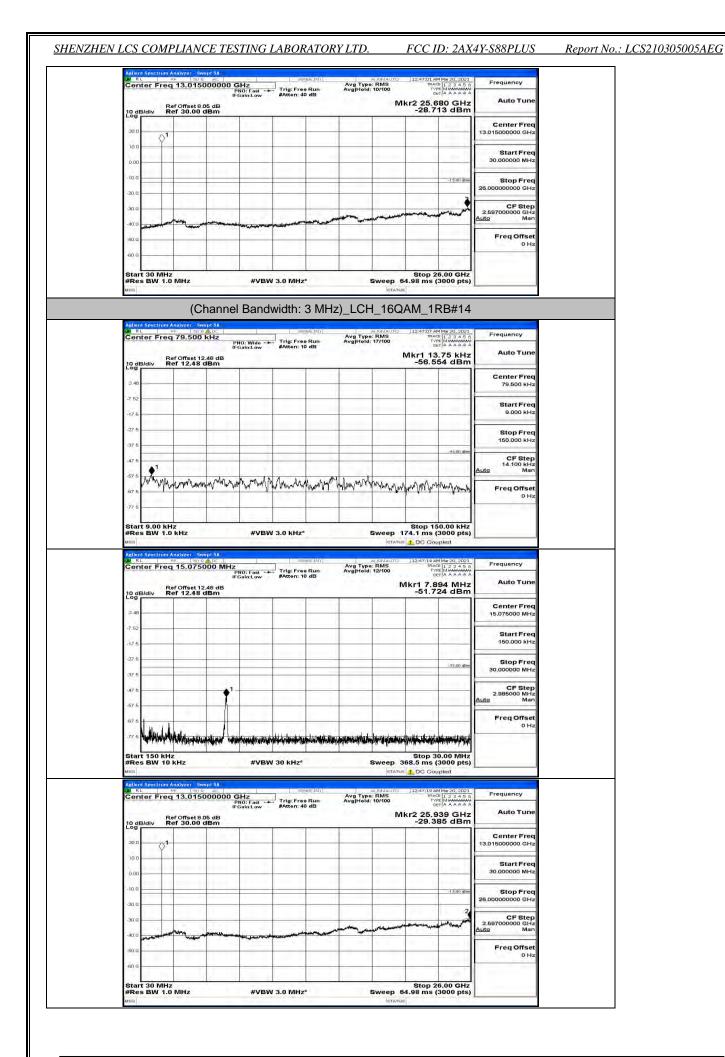
Auto Tune	50 kHz 2 dBm	Mkr1 1	12/100	Avg Hold:	e Run 0 dB	Trig: Free #Atten: 10	PNO: Fast	Ref Offset 12.48 Ref 12.48 dB	o dB/di
Center Fre 15.075000 MH									2.48
Start Free 150.000 kH									17.6
Stop Frec 30.000000 MH2	-33.00 dBm								37.6
CF Step 2.985000 MH Auto Mar					1		1.11		47.5 1-
Freq Offset 0 Ha		<u></u>							57.6
Frequency	Mar 20, 2021	Stop 30 68.5 ms (3 12:50:12 AM TRACI TYP			NSE INT	30 kHz*	#VBW	at I areas a	eilent Spi RL
State of the	Mar 20, 2021	Stop 30 68.5 ms (3 12:50:12 AM TRACC TYP DE kr2 25.7	Sweep 3 status :: Innautro :: RMS 11/100	Avg Type	NSE INT	30 kHz*	#VBW	0 kHz / 10 kHz mm Analyzer Swept	Res B allont Sp RL Center
Auto Tune Center Fred	Mar 20, 2021 1 2 3 4 5 6 Mar 20, 2021 1 4 3 4 5 6 Mar 20, 2021	Stop 30 68.5 ms (3 12:50:12 AM TRACC TYP DE kr2 25.7	Sweep 3 status :: Innautro :: RMS 11/100	Avg Type	NSE INT	30 kHz*	#VBW 00 GHz PN0: Fast →	0 kHz 7 10 k	Res B
Frequency Auto Tune Center Frec 13.01500000 GH2 Start Frec 30.00000 MH3	Mar 20, 2021 1 2 3 4 5 6 Mar 20, 2021 1 4 3 4 5 6 Mar 20, 2021	Stop 30 68.5 ms (3 12:50:12 AM TRACC TYP DE kr2 25.7	Sweep 3 status :: Innautro :: RMS 11/100	Avg Type	NSE INT	30 kHz*	#VBW 00 GHz PN0: Fast →	0 kHz 7 10 k	Res B
Auto Tune Center Fred 13.01500000 GHz Start Fred	Mar 20, 2021 1 2 3 4 5 6 Mar 20, 2021 1 4 3 4 5 6 Mar 20, 2021	Stop 30 68.5 ms (3 12:50:12 AM TRACC TYP DE kr2 25.7	Sweep 3 status :: Innautro :: RMS 11/100	Avg Type	NSE INT	30 kHz*	#VBW 00 GHz PN0: Fast →	0 kHz 7 10 k	Res B sq ellent Sp Rt Center
Auto Tune Center Free 13.01500000 GH Start Free 30.000000 MH Stop Free	1.00 MHz 16000 pts) oled Mw 20, 3021 1123 456 MMW 20, 3021 1124 456 MW 20, 3021 10	Stop 30 68.5 ms (3 12:50:12 AM TRACC TYP DE kr2 25.7	Sweep 3 status :: Innautro :: RMS 11/100	Avg Type	NSE INT	30 kHz*	#VBW 00 GHz PN0: Fast →	0 kHz 7 10 k	Res B sq slent Spi RL Center 0 dB/div 20 0 0.00 0.00



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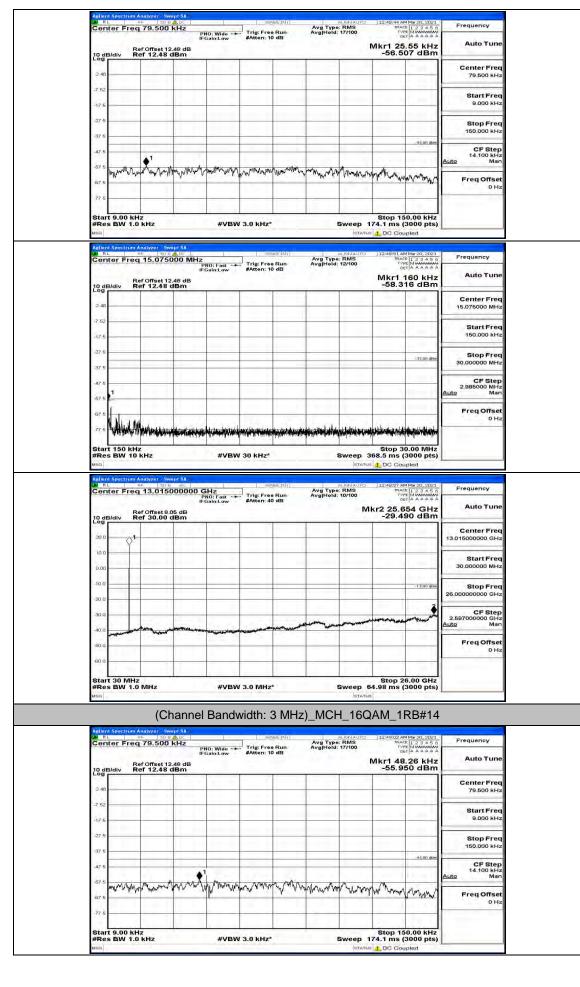
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Aglient Spectrum Analyzer Sw WRL 995 50 9 Center Freq 79.500	KHZ SENSE: DV	AugNAUTO 12:48:26 Avg Type: RMS TR AvgHold: 17/100	AM Mar 20, 2021 ACE 1 2 3 4 5 6 Frequency
10 dB/div Ref Offset 12	PNO: Wide Trig: Free Run IFGain:Low #Atten: 10 dB	Mkr1 8	5.87 kHz Auto Tune
2.48			Center Fred
-7 52			79.500 kHz
-17.6		21 (9.000 kHz
-27.6			Stop Fred
-37.6			150.000 kHz
-47.5	•		CF Step 14.100 kHz Auto Mar
-67.6 WWWWWWWW	Monteres Marine marine and a surface of a	mandunamanduluman	AMAMA FreqOffset
-77 6		1	0 Ha
Start 9.00 kHz		Stop	50.00 kHz
#Res BW 1.0 kHz	#VBW 3.0 kHz*	Sweep 174.1 ms	(3000 pts)
Agilent Spectrum Analyzer Sw	ALDC SENSE: IN Y	ali(NAUTO]12:48:33	AM Mar 20, 2021
Center Freq 15.075	PNO: Fast ++- Trig: Free Run IFGain:Low #Atten: 10 dB		ACE 123456 Frequency
10 dB/div Ref 0ffset 12	.48 dB dBm	Mkr1 -54.	150 kHz Auto Tune 400 dBm
2.48			Center Free 15.075000 MHz
-7 52			Start Free
-17.6			150.000 kHz
-27.6			-33.00 dfm 30,000000 MHz
-37.5			CF Step
-47.6	1		2.985000 MHz Auto Mar
-67.6			FreqOffse
l las allest	and which any constraint and in a state of the subset of the subset of the	autoritanais aviatera preireiti estilation a	0 Ha
Start 150 kHz		Stop	30.00 MHz
#Res BW 10 kHz	#VBW 30 kHz*	Sweep 368.5 ms	
Aglient Spectrum Analyzer Sw RL RF 500 Center Freq 13.015	an sense this	AUGNAUTO 12:48:39 Avg Type: RMS TR AvgHold: 10/100	AM Mar 20, 2021 ACE 1 2 3 4 5 6 Frequency
	PNO: Fast Trig: Free Run IFGain:Low #Atten: 40 dB		ACE 1 2 3 4 5 6 YPE MANAGEMAN DET A A A A A A 697 GHz Auto Tune
10 dB/div Ref 30.00	dBm	-28.	909 dBm
20.0			Center Fred 13.015000000 GHz
10.0			Start Free
0.00			30.000000 MH2
-10.0			-13.00 dim Stop Fred 26.000000000 GHz
-20.0			CF Step
-10.0	and the second s	and and the second and the second	2.597000000 GHz Auto Mar
and the second s			Freq Offset
-60.Q	1		
-60 0 -60 0			
	#VBW 3.0 MHz*	Stop Sweep 64.98 ms	26.00 GHz

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FCC ID: 2AX4Y-S88PLUS

Report No.: LCS210305005AEG



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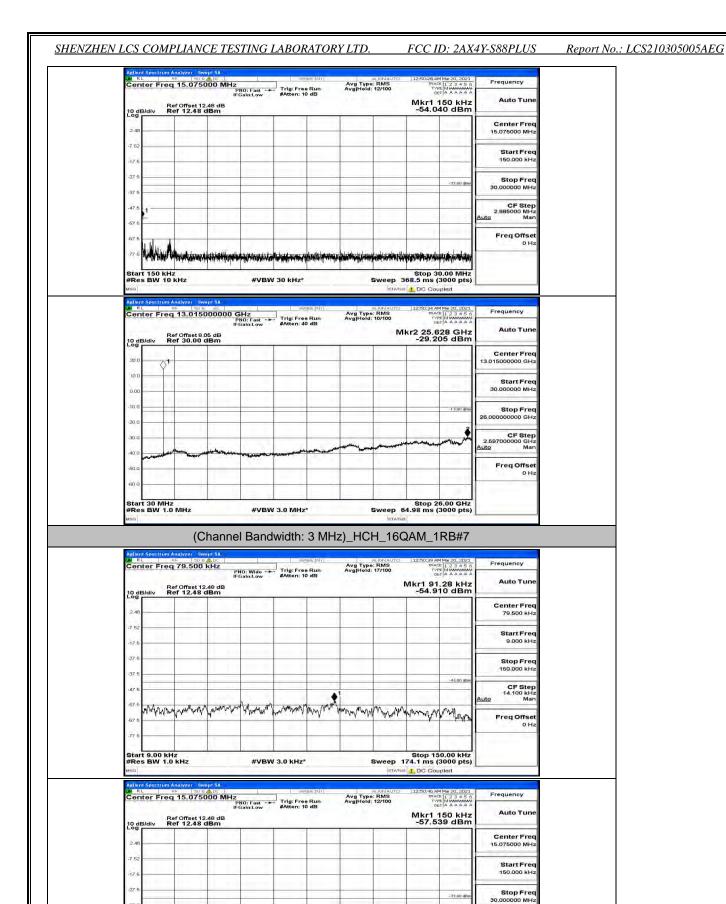
SHENZHEN LCS	COMPLIANCE TESTING LA	ABORATORY LTD.

FCC ID: 2AX4Y-S88PLUS Report No.: LCS210305005AEG

Cer	nter Fre	eq 15.07	75000 MH	Z PNO: Fast IFGain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Type Avg Hold	: RMS : 12/100	TRA	AM Mar 20, 2021 VCE 1 2 3 4 5 6 VPE MWAAWAAAA DET A A A A A A	Frequency
10 d	B/div	Ref Offse Ref 12.4	12.48 dB	a cancew	erowert: J		1.00		Mkr1	150 kHz 320 dBm	A DOLL MADE
2.48								-			Center Fre 15.075000 MH
-7 52 -17 6											Start Fre 150.000 ki
-27.6						-				~33.00 dBm	Stop Fre 30.000000 MF
-47.6	2—										CF Ste 2.985000 MH Auto Ma
-67.6	d de	4			-			1			Freq Offs 0 H
-77 5	NAMANA	A HAR MANAGER	nd the second state	ng huly gate in the			wall water	and the second second	de la colonia		
	t 150 k s BW 1			#VB	V 30 kHz*			Sweep 3		30.00 MHz (3000 pts)	
MSG	2.12.4	A. W. DYALI		9 C 7 C	e ne mie			ETATUS	DC Co	upled	
Agiler	L	m Analyzer RF 1	50 Q #C			NEEDAY		ALIGNAUTO	12:49:15.2	AM Mar 20, 2021	Erequency
Agiler	L	RF	5000000	GHz	1 50	e Run			12:49:15,7 IRA		Frequency
Aeller Lav R Cer	nter Fre	RF	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	AM Mar 20, 2021 ACE 1 2 3 4 5 6 (PL M Manual And	Frequency
Agller Dir R Cer	nter Fre	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	AM Mar 20, 2021 NCE 1 2 3 4 5 6 YPE M WANNAMY DEY A A A A A A 706 GHz	Auto Tun Center Fre
Aeller Bal R Cer 10 di Log	nter Fre	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	AM Mar 20, 2021 NCE 1 2 3 4 5 6 YPE M WANNAMY DEY A A A A A A 706 GHz	Frequency
Action 20 di 20 di 20 di 10.0	nter Fre	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	AM Mar 20, 2021 NCE 1 2 3 4 5 6 YPE M WANNAMY DEY A A A A A A 706 GHz	Auto Tun Center Fre 13.015000000 GH
Aetler 200 100 0.00 -10.0 -20.0 -30.0	B/div	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	MMar 20, 2021 CE [2 3 4 5 6 Minimum Minimum 706 GHz 318 dBm	Auto Tun Center Fre 13.01500000 GH Start Fre 30.00000 MH
Action 2018 2018 100 100 -10.0 -20.0	B/div	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	MMar 20, 2021 CE [2 3 4 5 6 Minimum Minimum 706 GHz 318 dBm	Start Frequency Auto Turn Center Fre 13.015000000 GH Start Fre 30.000000 GH Stop Fre 26.00000000 GH 2.657000000 GH
Action Cor 200 000 -10.0 -20.0 -20.0 -40.0	B/div	eq 13.0	15000000	GHz	Se Trig:Fre	e Run		augnauro : RMS : 11/100	12:40:15.7 TRA 1 kr2 25.	MMar 20, 2021 CE [2 3 4 5 6 Minimum Minimum 706 GHz 318 dBm	Start Frequency Auto Turn Center Fre 13.015000000 GH Start Fre 30.000000 GH Stop Fre 26.00000000 GH 2.597000000 GH Auto Turn Freq Offse
Action Cor 100 di 200 -10.0 -20.0 -20.0 -20.0 -3	B/div	Ref 01790:	15000000	GHz PHO: f ast	Se Trig:Fre	• Run • dB	Avg Type Avg Hold	ALIVINAUTO	112:40:12 A	MMar 20, 2021 CE [2 3 4 5 6 Minimum Minimum 706 GHz 318 dBm	Start Frequency Auto Turn Center Fre 13.015000000 GH Start Fre 30.000000 GH Stop Fre 26.00000000 GH 2.597000000 GH Auto Turn Freq Offse

	(Channel Band	lwidth: 3 MH	z)_HCH_16	QAM_1RB#0	
Adjent Spectrum Analyzer		Sense bir	Avg Type: RMS Avg Hold: 4/100	0 12:50:21 AM Mar 20, 202 TRACE 1 2 3 4 5 TYPE MWAWAAA DET A A A A A	Frequency
10 dB/div Ref 12.4	PNO: Wide -+ IFGain:Low t 12.48 dB 18 dBm	#Atten: 10 dB	Avginoid. ar loo	Mkr1 54.28 kH: -56.576 dBn	Auto Tune
2.48					Center Freq 79.500 kHz
-7 52				-	Start Freq 9.000 kHz
-27.6					Stop Freq 150.000 kHz
-47.6					CF Step 14.100 kHz Auto Man
-67.6 -67.6 Martin Martin	which rough and have and	preserver and a preserver and	r wanter Marken	my monthly	Freq Offset 0 Hz
-77 5 Start 9.00 kHz				Stop 150.00 kH	
#Res BW 1.0 kHz	#VBV	V 3.0 kHz*		174.1 ms (3000 pts	

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where the Articles and a submer to a state of the second state of

#VBW 30 kHz*

37

47 -67

.77

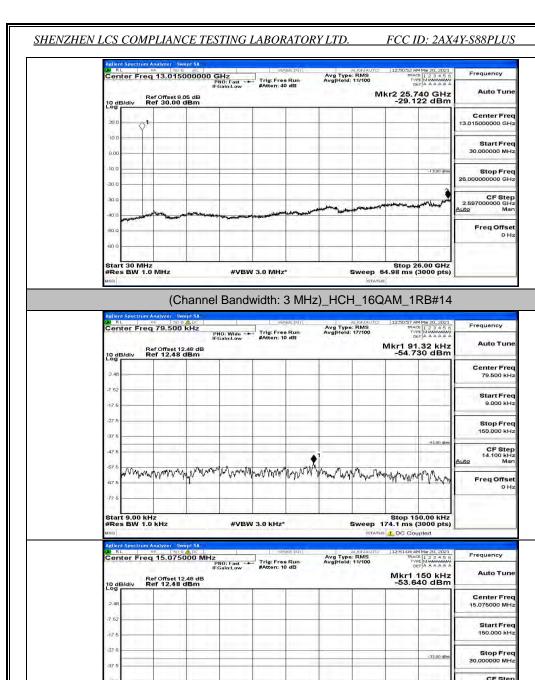
Start 150 kHz #Res BW 10 kHz

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Stop 30.00 MHz Sweep 368.5 ms (3000 pts)

CF Step 2.985000 MHz Man

Freq Offse OH:



CF Step 2.985000 MHz Man 47 67 Freq Offse -67 had inter the antice of many phase of the section o .77 nanifi salalan kuda alam kaniga kumalak bandi ana kujim miji Stop 30.00 MHz Sweep 368.5 ms (3000 pts) Start 150 kHz #Res BW 10 kHz #VBW 30 kHz* Adjoin paterna we 50 € AC RL PN0: Fast → Trig: Free Run PN0: Fast → #Atten: 40 dB TRACE 1 2 3 4 5 6 TYPE MUMANUAAAA DET A A A A A A Avg Type: RMS Avg|Hold: 10/100 Frequency Auto Tun Mkr2 25.749 GHz -29.808 dBm Ref Offset 8.05 dB Ref 30.00 dBm 10 dB/ Center Free 20 13.015000000 GH 10. Start Fred 30.000000 MH:

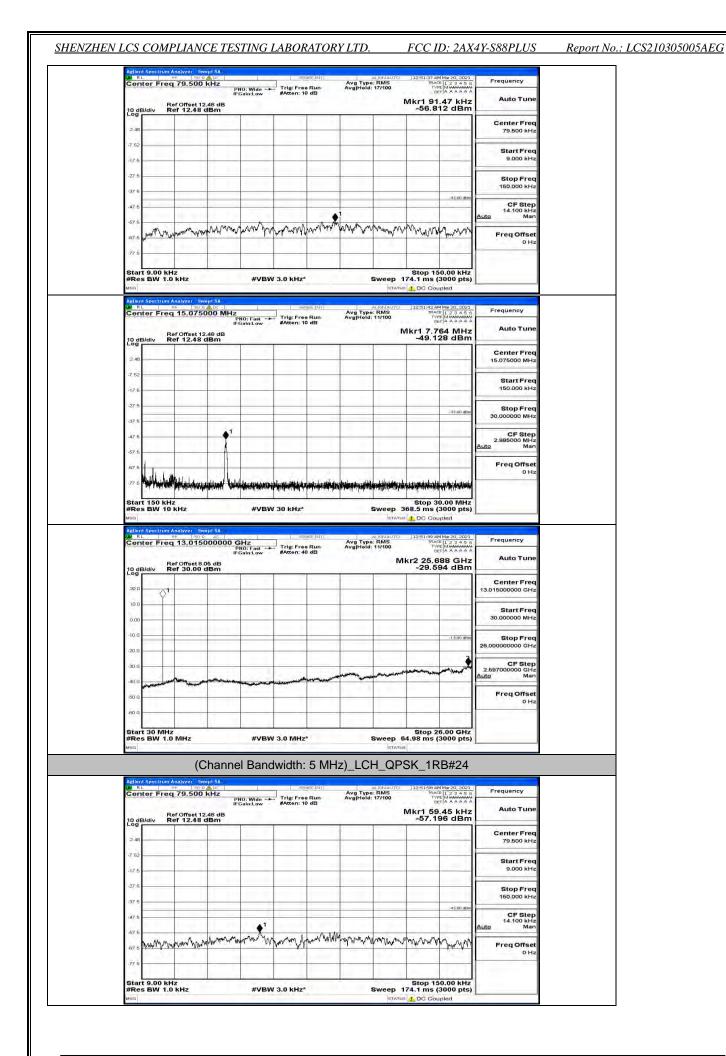
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Report No.: LCS210305005AEG

Channel Bandwidth: 5 MHz

Agilent Spectrum Ar	F 50 9 ALDC		MSE:DIV	a, IGNAUTO	12:51:19 AM Mar 20, 2021	-
Center Freq	PNC): Wide Trig: Fre sin:Low #Atten: 1	Avg T e Run Avg Ho 0 dB	/pe: RMS Id: 15/100	TRACE 1 2 3 4 5 6 TYPE MWANNAAA DET A A A A A A	Frequency
10 dB/div Re	of Offset 12.48 dB of 12.48 dBm			м	kr1 89.87 kHz -55.444 dBm	Auto Tune
2.48					-	Center Freq 79.500 kHz
-7 52					-	Start Freq 9.000 kHz
-17.6						Stop Freq
-37.6					-4 5.00 dbm	150.000 kHz CF Step
-47.6			murnurnur			14.100 kHz Auto Man
107.6 AAAAAA	man white manual	www.www.www	how when a showed	and a should	warder	Freq Offset 0 Hz
Start 9.00 kHz #Res BW 1.0	z kHz	#VBW 3.0 KHz	R	Sweep 174	Stop 150.00 kHz I.1 ms (3000 pts)	
MSG		s PERI GIO INIE			DC Coupled	
Agilent Spectrum An La RL RL RI Center Freq	15.075000 MHz	0: Fast	e Run Avg He	AUGNAUTO /pe: RMS ild: 11/100	12:51:25 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE M WANNAAAY DET A A A A A A	Frequency
10 dB/div Re	of Offset 12.48 dB of 12.48 dBm	ain:Low #Atten: 1		M	cr1 4.261 MHz -50.951 dBm	Auto Tune
2.48						Center Freq 15.075000 MHz
-7.52						Start Freq 150.000 kHz
-27.6					-33.00 dbm	Stop Freq 30.000000 MHz
-37 5	<u>.</u>					CF Step 2.985000 MHz
-67.6						Auto Man Freq Offset
-67.6	the home which which the	a konstituent konstituit en ko	en del material and and	her and allows that Wilderfords some		0 Hz
Start 150 kHz		#VBW 30 kHz*	and the first second second second	ales alle	Stop 30.00 MHz	-
#Res BW 10 k MSG		#VBW 30 KH2			3.5 ms (3000 pts)	
Addent Spectrum Ar	13.015000000 GH	IZ 0: Fast Trig: Fre	e Run Avg He	ALIGNAUTO /pe: RMS ild: 10/100	12:51:31 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWAMAAAAA DET A A A A A A	Frequency
10 dB/div Re	of Offset 8.05 dB of 30.00 dBm	ain:Low #Atten: 4		Mki	2 25.697 GHz -29.421 dBm	Auto Tune
20.0					-	Center Freq 13.015000000 GHz
0.00						Start Freq 30.000000 MHz
-10.0					-13.00 idfm	Stop Freq
-20.0					4	26.00000000 GHz CF Step
-40.0	manupumpersonan	and the state of t	- mar and	and the second s	and a second	2.597000000 GHz <u>Auto</u> Man
Marrietta -						Freq Offset 0 Hz
-50.0						
-50.0 -60.0 Start 30 MHz					Stop 26.00 GHz	

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Center Freq 15.075	wept SA Is ALDC 1 Set 5000 MHz	Avg Type: R Run Avg Hold: 11	GNAUTO 12:5	2:02 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWAAMAAAA DET A A A A A A	Frequency
10 dB/div Ref Offset 1	PNO: Fast Trig: Free IFGain:Low #Atten: 10	Run Avg Hold: 11 dB	Mkr1	0.760 MHz 0.856 dBm	Auto Tune
2.48					Center Freq 15.075000 MHz
-7.52					Start Freq 150.000 kHz
-27.6				~33.00 dBm	Stop Freq 30.000000 MHz
-47.5	• • • • • • • • • • • • • • • • • • •			1	CF Step 2.985000 MHz <u>Auto</u> Man
-67.6				1 1 1 1	Freq Offset 0 Hz
1.	ner flannsachat na steine har na steine steine	ternetikentik andersteren versetetet	(2) () () () () () () () () ()	Service Transferred	
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*	Sv	St weep 368.5	op 30.00 MHz ms (3000 pts)	1
Agilent Spectrum Analyzer - S	iwept SA		sixins 1 Di	Gooplea	
PI DI					
Center Freq 13.015		Avg Type: F	RMS	2:08 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWAAWAAAA	Frequency
	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	2:08 AM Mar 20, 2021 TRACE 1 2 3 4 5 6 TYPE MWAWAW DET A A A A A A 25, 706 GHz 9, 488 dBm	Frequency Auto Tune
10 dB/div Ref Offset 8	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	TYPE MUMUMUM DET A A A A A A	
10 dB/div Ref Offset 8	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	TYPE MUMUMUM DET A A A A A A	Auto Tune Center Freq
10 dB/div Ref Orrset E 20 dB/div Ref 30.00 30 0 10 0 10 0 10 0 10 0 10 0	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	TYPE MUMUMUM DET A A A A A A	Auto Tune Center Freq 13.01500000 GHz Start Freq
10 dB/div Ref Offsett 30 B	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	25.706 GHz 9.488 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq
10 dB/div Ref Orfsett 8 Ref 30.00 30 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	25.706 GHz 9.488 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.00000000 GHz 2.697000000 GHz
10 dB/div Ref Offsett 30 0	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run AvalHold: 11	Mkr2	25.706 GHz 9.488 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset
Note Note <th< td=""><td>PNO: Fast Trig: Free IFGain:Low #Atten: 40</td><td>Run Avg Hold: 11</td><td>MKr2 : </td><td>25.706 GHz 9.488 dBm</td><td>Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset</td></th<>	PNO: Fast Trig: Free IFGain:Low #Atten: 40	Run Avg Hold: 11	MKr2 : 	25.706 GHz 9.488 dBm	Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset
10 dB/div Ref Offsett 30 0	PROTest - Ing Pros a of dB o dBm	Run Avg Hold: 11	MKr2 :	11000 H 12 3 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset
Note Note <th< td=""><td>PROTest - Ing Pros a of dB o dBm</td><td>Run Avg Hold: 11</td><td>MKr2 : </td><td>11000 H 12 3 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1</td><td>Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset</td></th<>	PROTest - Ing Pros a of dB o dBm	Run Avg Hold: 11	MKr2 : 	11000 H 12 3 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 3 4 5 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset
10 dB/div Ref Offset E 3d a	PROT Past - Mill Free Solution of the Past -	Run Avg Hold: 11	Mkr2 : 		Auto Tune Center Freq 13.015000000 GHz Start Freq 26.00000000 MHz 26.00000000 GHz 2.69700000 GHz 2.69700000 GHz Auto Man Freq Offset

and more many with

#VBW 3.0 KHz*

-7 53

-17.6

-37

-47

month

67 5 ANA MAN

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

Stop Freq 150.000 kHz

CF Step 14.100 kHz Man

Freq Offset 0 Hz

-43.00 dt

mon how how how many

Stop 150.00 kHz Sweep 174.1 ms (3000 pts) Report No.: LCS210305005AEG