Appendix E: Test Data for E-UTRA Band 13

Product Name: Portable Data Collector Trade Mark: Newland **Test Model: NLS-NFT10**

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WANGCHUANG
Supervised by:	TOM.LIU

A.1 Conducted Output Power

		Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)								
	Channal	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdiet				
Modulation	Channel	Size	Offset	QPSK	16QAM	Verdict				
		1	0	23.60	22.96	PASS				
		1	12	23.27	22.61	PASS				
		1	24	23.74	23.15	PASS				
	LCH	12	0	22.79	21.98	PASS				
		12	6	22.76	21.88	PASS				
		12	13	22.79	21.98	PASS				
		25	0	22.95	21.93	PASS				
		1	0	23.72	22.72	PASS				
		1	12	23.67	22.68	PASS				
QPSK /		1	24	23.26	22.37	PASS				
16QAM	MCH	12	0	22.73	21.78	PASS				
TOQAM		12	6	22.63	21.63	PASS				
		12	13	22.61	21.61	PASS				
		25	0	22.80	21.74	PASS				
		1	0	23.97	22.77	PASS				
		1	12	23.00	22.62	PASS				
		1	24	23.64	22.90	PASS				
	НСН	12	0	22.73	21.79	PASS				
		12	6	22.66	21.74	PASS				
		12	13	22.70	21.85	PASS				
		25	0	22.65	21.74	PASS				

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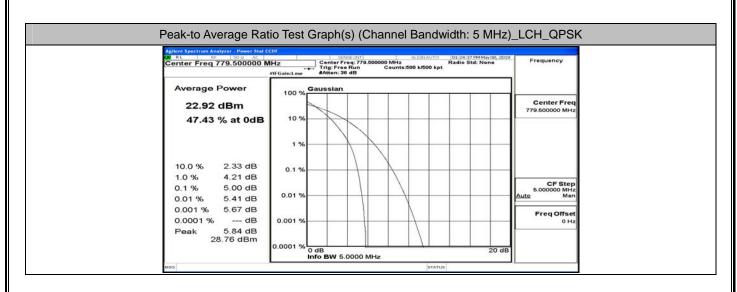
		Conducted	I Output Pow	ver Test Result (Channel Band	lwidth: 10 MHz)	
Modulation	Channel	RB Con	figuration	Average Power [dBm]	Average Power [dBm]	Verdict
wooulation	Channel	Size	Offset	QPSK	16QAM	verdict
		1	0	23.73	23.00	PASS
		1	24	23.63	23.01	PASS
		1	49	22.92	22.05	PASS
	LCH	25	0	22.74	21.80	PASS
		25	12	22.64	21.75	PASS
		25	25	22.69	21.68	PASS
		50	0	22.88	21.89	PASS
		1	0	23.72	23.07	PASS
		1	24	23.53	22.95	PASS
QPSK /		1	49	22.76	22.40	PASS
16QAM	MCH	25	0	22.72	21.61	PASS
TOQAIM		25	12	22.65	21.70	PASS
		25	25	22.69	21.73	PASS
		50	0	22.88	21.81	PASS
		1	0	23.70	23.06	PASS
		1	24	23.66	23.16	PASS
		1	49	22.75	21.71	PASS
	НСН	25	0	22.77	21.74	PASS
		25	12	22.66	21.81	PASS
		25	25	22.71	21.78	PASS
		50	0	22.94	21.89	PASS

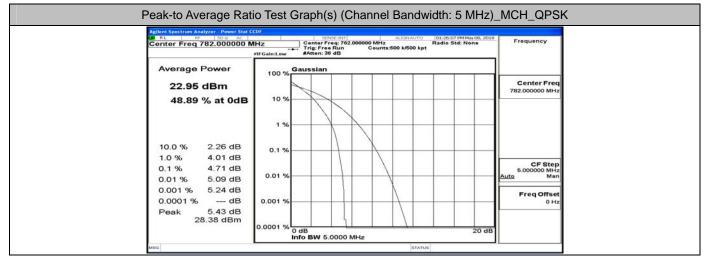
A.2 Peak-to-Average Ratio

	Peak-to Average Ra	atio Test Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict			
MODUIAtion	Channel	[dB]	[dB]	verdict			
	LCH	5	<13	PASS			
QPSK	MCH	4.71	<13	PASS			
	HCH	4.97	<13	PASS			
	LCH	5.69	<13	PASS			
16QAM	MCH	5.55	<13	PASS			
	НСН	5.75	<13	PASS			

	Peak-to Average Ra	tio Test Result (Channel	Bandwidth: 10 MHz)	
Modulation	Channel	Peak-to-Average Ratio	Limit	Verdict
MODUIATION	Channel	[dB]	[dB]	Verdict
	LCH	4.98	<13	PASS
QPSK	MCH	5.06	<13	PASS
	HCH	5.05	<13	PASS
	LCH	5.77	<13	PASS
16QAM	MCH	5.77	<13	PASS
	НСН	5.78	<13	PASS

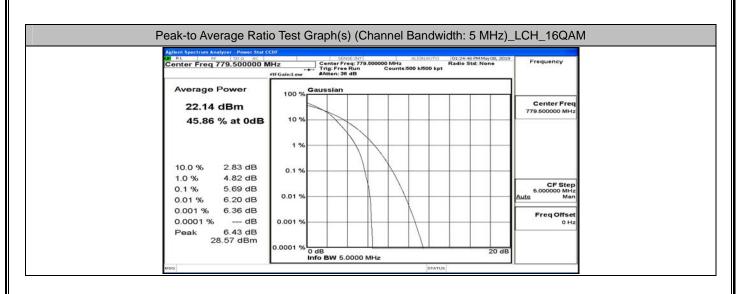
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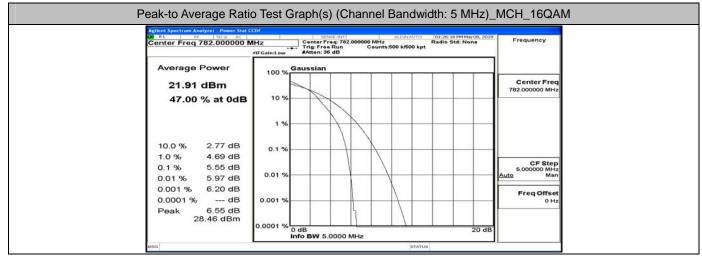




Agliant Spectrum Analyzer - Power Stat COP Oglant Spectrum Analyzer - Power Stat COP Center Freq 784,500000 MHz Center Freq 784,500000 MHz → Trig:Free un Counts:500 k/500 k/50							
Average Power	#IFGain:Low #Atten	: 36 dB					
22.93 dBm 47.54 % at 0dB					Center Freq 784.500000 MHz		
47.54 % at 00B	1 %	\square					
10.0 % 2.35 dB 1.0 % 4.22 dB	0.1 %						
0.1 % 4.97 dB 0.01 % 5.33 dB	0.01 %		\rightarrow	_	CF Step 5.000000 MHz Auto Man		
0.001 % 5.53 dB 0.0001 % dB Peak 5.66 dB	0.001 %				Freq Offset 0 Hz		
28 50 dBm	0.0001 % 0 dB	5.0000 MHz		20 dB			

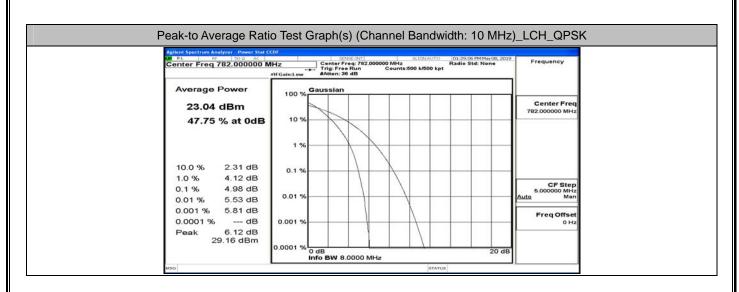
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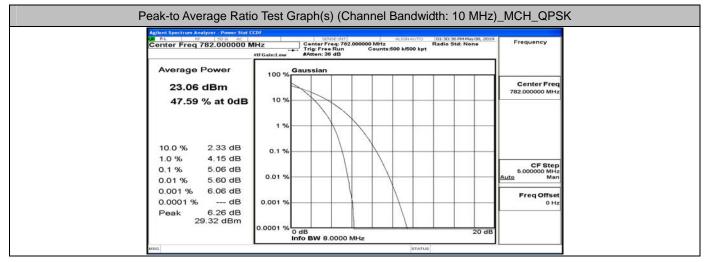




Agilent Spectrum Analyzer - Power Stat CCDF 00 8 4 67 50 0 AC Stretchrd - ALIOHANTO 01:27:44 PMMwr00, 2019 Center Freq 784.500000 MHz Center Freq :784.500000 MHz Radio Std: None Center Freq 784.500000 MHz - Trig: Free Run Counts:500 kt500 kpt					
Average Power	#IFGain:Low #Atten: 36 dB				
21.86 dBm 45.90 % at 0dB			Center Freq 784.500000 MHz		
	1 %				
10.0 % 2.78 dB 1.0 % 4.81 dB	0.1 %				
0.1 % 5.75 dB 0.01 % 6.16 dB	0.01 %		CF Step 5.000000 MHz Auto Man		
0.001 % 6.40 dB 0.0001 % dB Peak 6.49 dB	0.001 %		Freq Offset 0 Hz		
28.35 dBm	0.0001 % 0 dB	20 dB			

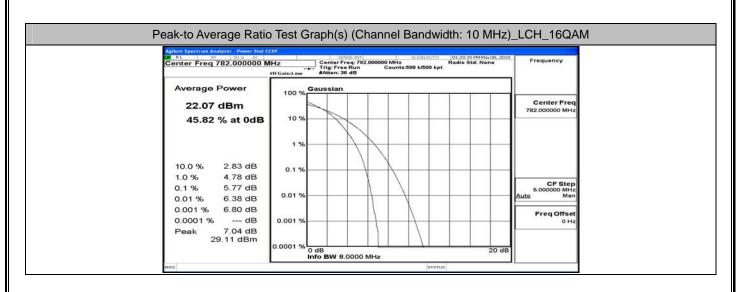
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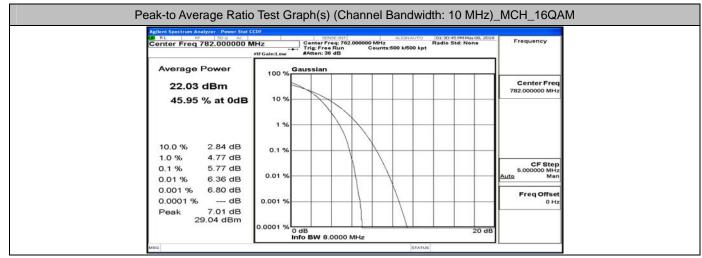




Aglant Spectrom Analyzer. Power Sci CODY All Ref. Prov Sci CODY Center Freq 782.000000 MHZ Freq: 782.000000 MHZ Freq: 782.00000 MHZ Freq: 782.00000 MHZ Freq: 782.00000 MHZ Counts:500 k/500 kpt All Counts:500 k/500 kpt Freq: 782.00000 MHZ Counts:500 k/500 kpt Freq: 782.00000 MHZ						
Average Power	-	ussian				
23.10 dBm 47.54 % at 0dB						Center Freq 782.000000 MHz
47.54 % at 00B	1%	\mathbb{N}				
10.0 % 2.33 dB			\backslash			
1.0 % 4.15 dB	0.1 %					
0.1 % 5.05 dB 0.01 % 5.64 dB	0.01 %—		\rightarrow			CF Step 5.000000 MHz Auto Man
0.001 % 6.01 dB 0.0001 % dB	0.001 %			\downarrow		Freq Offset 0 Hz
Peak 6.21 dB 29.31 dBm	0.0001 %	IB o BW 8.0000 M			20 dB	

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Applient Spectrum Analyzer - Dewis Staft CCDF DEVEL_IVIT ALIOFAUTO 103:20:30 FMMay:00, 2019 Center Freq 782.000000 MHz Compression Freq. 782.000000 MHz Compression Freq. 782.000000 MHz Radio Std: None Freq. Freq. 782.00000 MHz Freq. 782.00000 MHz Compression Freq. 782.000000 MHz Radio Std: None						
Average Power	100 % Gaussian			1		
22.04 dBm				Center Freq 782.000000 MHz		
45.86 % at 0dB 10.0 % 2.84 dB 1.0 % 4.76 dB	0.1 %					
0.1 % 5.78 dB 0.01 % 6.28 dB	0.01 %			CF Step 5.000000 MHz Auto Man		
0.001 % 6.62 dB 0.0001 % dB Peak 6.81 dB	0.001 %			Freq Offset 0 Hz		

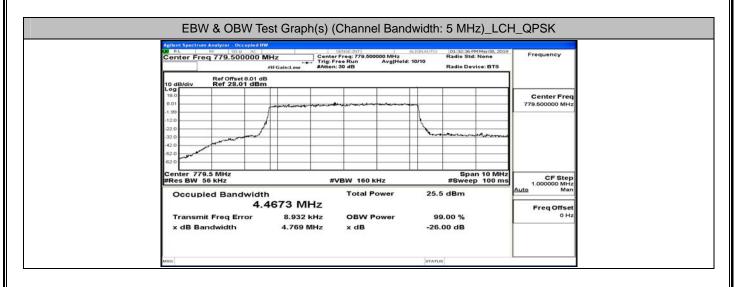
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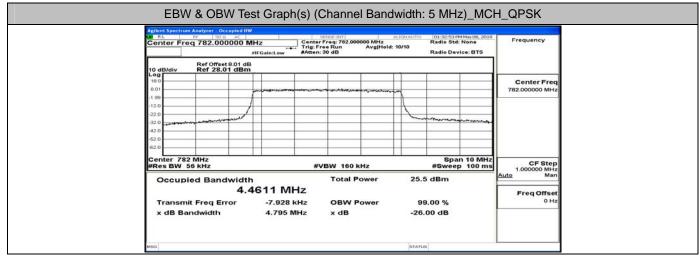
A.3 26dB Bandwidth and Occupied Bandwidth

	EBW & OBW T	est Result (Channel Bandwidth: 5 MHz)					
Modulation	Channel	Occupied Bandwidth	26dB Bandwidth	Verdict			
Woddiation	Channer	(MHz)	(MHz)	Verdict			
	LCH	4.4673	4.769	PASS			
QPSK	MCH	4.4611	4.795	PASS			
	НСН	4.4872	4.807	PASS			
	LCH	4.4703	4.775	PASS			
16QAM	MCH	4.4742	4.806	PASS			
	НСН	4.4778	4.829	PASS			

	EBW & OBW Te		st Result (Channel Bandwidth: 10 MHz)					
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict				
	LCH	8.8954	9.416	PASS				
QPSK	MCH	8.9144	9.362	PASS				
	HCH	8.9010	9.414	PASS				
	LCH	8.8948	9.395	PASS				
16QAM	MCH	8.9166	9.362	PASS				
	НСН	8.9008	9.442	PASS				

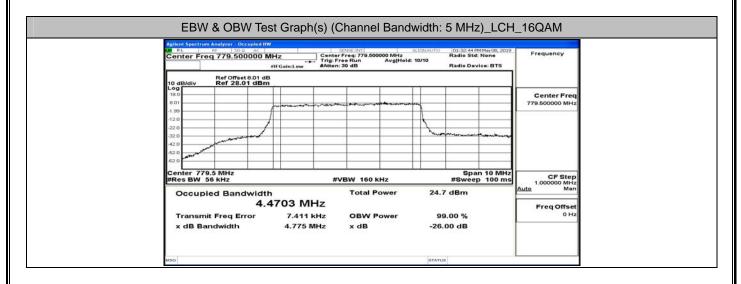
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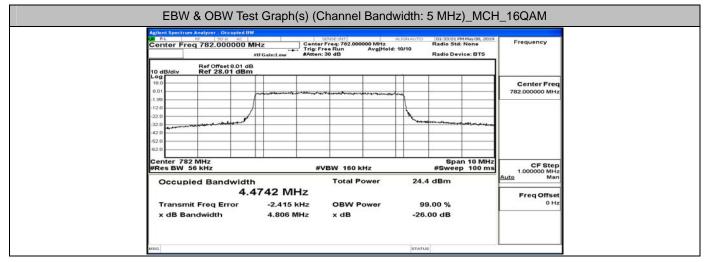




Aplant Spetrum Analyzer - Occupied IW 00 FiL W S00 AC SPACENT ALTO/AUTO 03:30:30 PMMy00, 2019 Center Freq 784.500000 MHz Center Freq: 784,500000 MHz Radio Std: None Center Freq 784.500000 MHZ → Trip: Freq Run Avg[Hold: 10/10							Frequency	
Ref Offset 8.01 d	#IFGain:Low B	#Atten: 3	0 48			Radio Devi	ce: BTS	
10 dB/div Ref 28.01 dBn	IB/div Ref 28.01 dBm						Center Freq 784.500000 MHz	
.1.99 .120 .220	A							
32.0 42.0					1	manakana	~~~~	
62.0 Center 784.5 MHz							10 MHz	CF Step
#Res BW 56 kHz Occupied Bandwidt			Total P		25.5	#Sweep 5 dBm	100 ms	1.000000 MHz Auto Man
4. Transmit Freq Error x dB Bandwidth	4872 MH -5.890 F 4.807 N	Hz	OBW P x dB	ower		9.00 % 00 dB		Freq Offset 0 Hz

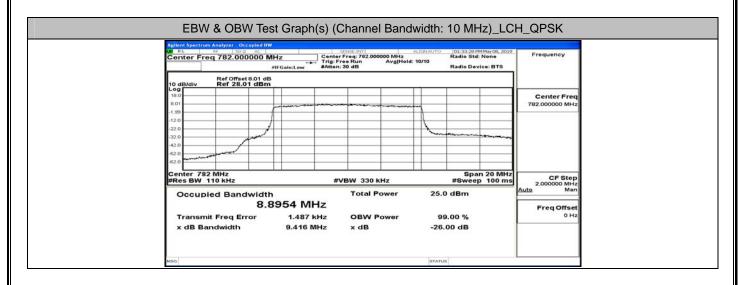
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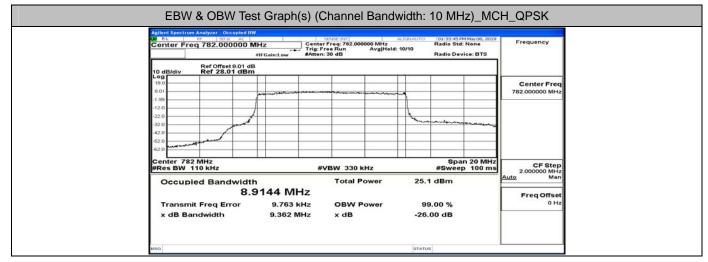




Center Freq 784.500000 M	Tri	sense int inter Freq: 784.500000 MHz ig: Free Run Avg Hold tten: 30 dB	ALIONAUTO	Radio Std:		Frequency
Ref Offset 8.01 dE	3	tten: 30 dB		Radio Dev	ice: BTS	
18.0 8.01		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Center Fred 784.500000 MH
1.99 120 220 320 420						
-52.0 62.0 Center 784.5 MHz #Res BW 56 kHz		#VBW 160 kHz			n 10 MHz 5 100 ms	CF Step 1.00000 MHz
Occupied Bandwidt	h 4778 MHz	Total Power	24.4	4 dBm		Auto Man
Transmit Freq Error x dB Bandwidth	-4.679 kHz 4.829 MHz			9.00 % .00 dB		0 Hz

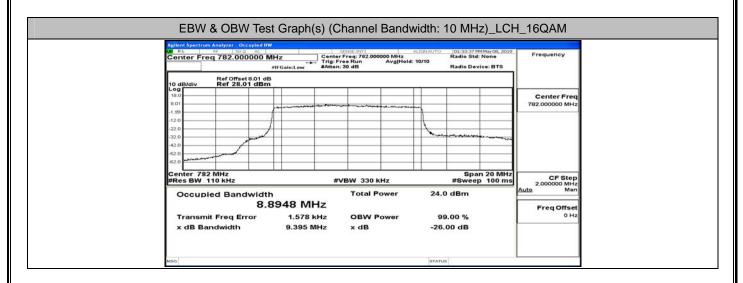
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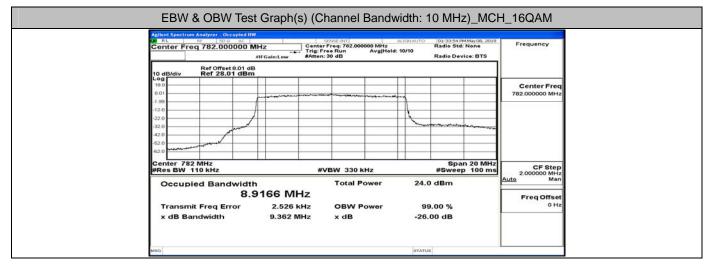




rig:	MHz #IFGain:Low	er Freq: 78 Free Run n: 30 dB	32.000		LIGN AUTO 10/10	Radio	02 PM May 08, 2019 Std: None Device: BTS	Frequency
-			~~~~		_			Center Free 782.000000 MH
_					1			
;		#VBW 3	30 k	Hz			pan 20 MHz eep 100 ms	CF Step
	Эо10 МІ	Tot	al Po	ower	25.	0 dBm		Auto Man Freq Offset
	4.821 I 9.414 M			ower		9.00 % .00 dB		0 Hz

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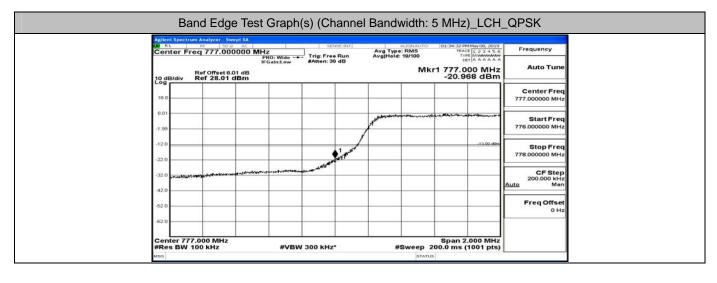


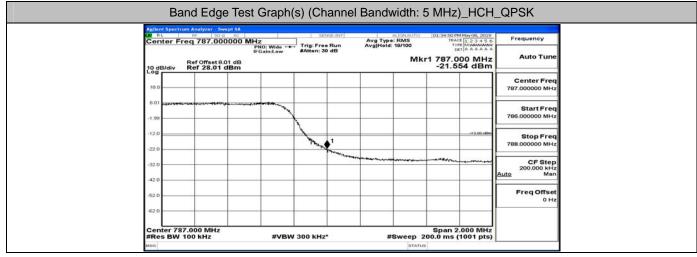


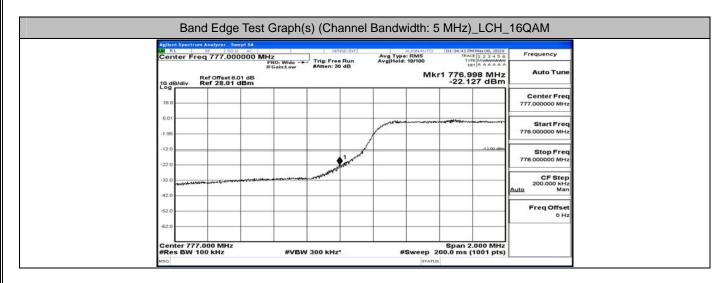
Center Freq 782.000000 I	MHz	Center Freq: 782.00 Frig: Free Run Matten: 30 dB		10/10	Radio Std:	11939.bet	Frequency
Ref Offset 8.01 d 10 dB/div Ref 28.01 dBn	8				Radio Devi		
180 8.01			*******				Center Free 782.000000 MHz
-1.99 -12.0 -22.0 -32.0				lam			
-42.0 -52.0 -62.0							
Center 782 MHz #Res BW 110 kHz		#VBW 330	kHz		Spar #Sweep	20 MHz 100 ms	CF Step 2.000000 MHz
Occupied Bandwidt 8.	^ь 9008 MHz	Total I	Power	24.0) dBm		Auto Man Freq Offset
Transmit Freq Error x dB Bandwidth	2.689 kH 9.442 MH		Power		0.00 % 00 dB		0 Hz

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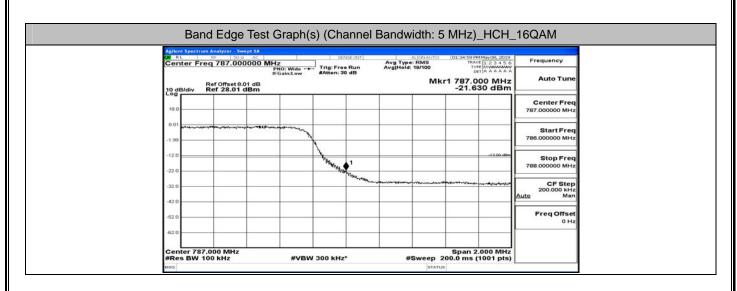
A.4 Band Edge

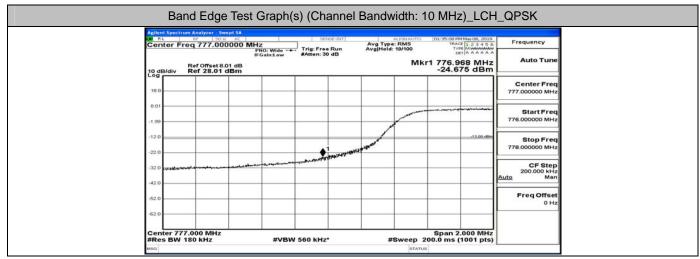






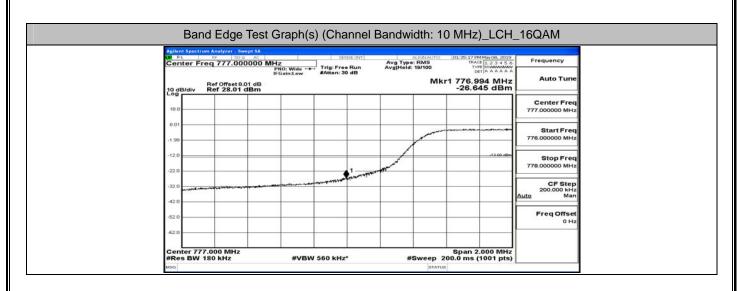
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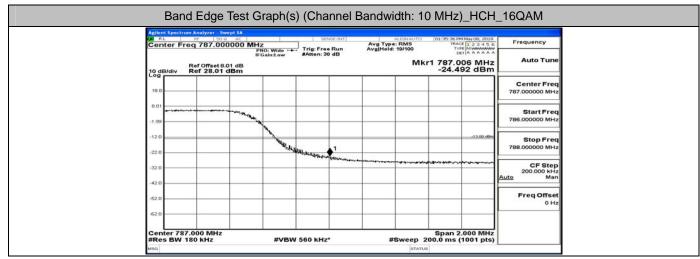




Agilent Spectrum Analyzer - So Off RL RF Son Center Freq 787.00	Q AC	SENSE:INT	ALIONAUTO	01:35:27 PM May 08, 2019	Frequency
Center Freq 787.00	PNO: Wide	Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg[Hold: 19/100	TRACE 1 2 3 4 5 6 Type Museumon Det A A A A A A	
Ref Offset 8 10 dB/div Ref 28.01	.01 dB		Mk	r1 787.006 MHz -23.533 dBm	Auto Tune
					Center Freq
18.0					787.000000 MHz
8.01	manager				Start Freq
-1.99	- The second				786.00000 MHz
-12.0	Non Non			-12.00 (@m	Stop Freq
-22.0	Leval.	1 NTropent			788.000000 MHz
-32.0					CF Step
-42.0					200.000 kHz Auto Man
142.0					FreqOffset
-52.0					0 Hz
-62.0					

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A.5 Conducted Spurious Emission

		CSE Te	st Grap	h(s) (Ch	annel B	andwidt	h: 5 M	Hz)_L(CH_QI	PSK	
Agui Ce	nt Spectru RL Inter Fr	m Analyzer - Swe ≋ So 92 req 79.500 F	PNO: IFGai	Wide Trig n:Low #At	sense int ; Free Run ten: 10 dB	Avg Type Avg Hold:	9/100			Frequency	
18,	dB/div	Ref Offset 8.5 Ref 8.58 dE	e dB im				M	kr1 12.8 -70.42	23 dBm	Center Freq 79.500 kHz	
-11.										Start Freq 9.000 kHz	
-31.									-33 00 404	Stop Freq 150.000 kHz	
-61	4 • 1									CF Step 14.100 kHz Auto Man Freq Offset	
-71	4 White	WAMWAMAS	ay Muniyana	www.www.	maryn	ling previous ing	Manana		55 J	0 Hz	
#R MSG	art 9.00 es BW	kHz 1.0 kHz Im Analyzer - Swe	pt SA	#VBW 3.0	kHz*		Sweep 17	Stop 15 4.0 ms (1 1 DC Coup			
Ce	nter Fr	eq 15.0750 Ref Offset 8.5 Ref 8.58 dE	00 MHz PNO IFGal	Fast Trig n:Low #At	sense ont ;: Free Run :en: 10 dB	Avg Type Avg Hold:	: RM5 8/100		May 08, 2019 1 2 3 4 5 6 Mutual A A A A A A 34 MHz 03 dBm	Frequency Auto Tune	
-1.4	2	Ref 8.58 dE	im					-60.40	JS aBM	Center Freq 15.075000 MHz	
-11.	4								-25 00 dDa	Start Freq 150.000 kHz	
-41.	4									Stop Freq 30.000000 MHz CF Step 2.985000 MHz	
-61.	a Kafusiis									Auto Man Freq Offset 0 Hz	
-81 Sta	4 art 150 H es BW	kHz	Wrigensternyters	بينيني #VBW 30 F			weep 30	Stop 30	0.00 MHz		
MSG Agti	ent Spectru BL	m Analyzer - Swe	AC		SENSEINT		STATUS	DC Coup	pled	Frequency	
	dB/div	eq 13.0150 Ref Offset 7.9 Ref 30.00 d	PNO	Last Ifig	j: Free Run en: 40 dB	Avg Type Avg Hold:			92 GHz 4 dBm	Auto Tune	
20	01									Center Freq 13.015000000 GHz Start Freq	
0.0	•								-13.00 dBm	30.000000 MHz Stop Freq 26.00000000 GHz	
-20 -30	0					-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		manne	CF Step 2.59700000 GHz <u>Auto</u> Man	
-40 -50 -60	0			موديان						Freq Offset 0 Hz	
Sta	art 30 M	IHz 1.0 MHz		#VBW 3.0	MHz*		Sweep 64	Stop 26 1.93 ms (1	5.00 GHz 1001 pts)		

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Agilent Spec	LSE TEST G	raph(s) (Channel E		TZ)_IVICH_QF	SN
CO RL	₩ 50 9 <u>A</u> CC Freq 79.500 kHz	PNO: Wide	Aug Type: RMS Avg Hold: 8/100	01:36:26 PM May 00, 2019 TRACE 1 2 3 4 5 6 TYPE MUMMMMM DET A A A A A A	Frequency
10 dB/div Log	Ref Offset 8.58 dB Ref 8.58 dBm	IFGain:Low #Atten: 10 dB		kr1 14.217 kHz -72.672 dBm	Auto Tune
-1.42					Center Freq 79.500 kHz
-11.4					Start Freq 9.000 kHz
-31.4				-33.00 dDm	Stop Freq 150.000 kHz
-41.4					CF Step 14,100 kHz
-61.4	1				Auto Man Freq Offset
-71.4 -81.4	wanter	and the second start	And contraction of the second	MAMAN	0 Hz
Start 9.0 #Res BV		#VBW 3.0 kHz*	Sweep 17	Stop 150.00 kHz 4.0 ms (1001 pts)	
	trum Analyzer - Swept SA	SIMEDAT		DC Coupled	
Center	Freq 15.075000 Mi	Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: RMS Avg[Held: 8/100	TRACE 1 2 3 4 5 6 TYPE MUMUUM DET A A A A A A	Frequency
10 dB/div	Ref Offset 8.58 dB Ref 8.58 dBm		M	kr1 3.404 MHz -59.432 dBm	Auto Tune
-1.42					Center Freq 15.075000 MHz
-11.4				-25 00 dBm	Start Freq 150.000 kHz
-31.4					Stop Freq 30.000000 MHz
-41.4	A 1				CF Step 2.985000 MHz
-61.4 -71.4	www.solula				Freq Offset
-81.4	"Windorthe motion of	กระบระศึกษณฑรัพสสมกับกุโกหมายังสมาญรสการไป	n-landerilipinistationskatist	signade exploitances	0 Hz
Start 15 #Res BV	0 kHz V 10 kHz	#VBW 30 kHz*		Stop 30.00 MHz 58.3 ms (1001 pts)	
1000	trum Analyzer - Swept SA		ALC: NOT ALC	01:36:34 PM May 00, 2019	
	Freq 13.01500000	PNO: Fast +++ IFGain:Low #Atten: 40 dB	Avg Type: RMS Avg[Held: 4/100	TRACE 1 2 3 4 5 6 TYPE MUMUUMU DET A A A A A A	Frequency
10 dB/div	Ref Offset 7.98 dB Ref 30.00 dBm		Mk	r2 25.740 GHz -30.452 dBm	Auto Tune
20.0					Center Freq 13.015000000 GHz
10.0					Start Freq 30.000000 MHz
-10.0				-13.00 dBm	Stop Freq
-20.0				2	26.00000000 GHz
-30.0			man	and a second and a second	CF Step 2.597000000 GHz Auto Man
مارم ا	The second secon				Freq Offset 0 Hz
-50.0					
-60.0	MHz V 1.0 MHz			Stop 26.00 GHz 1.93 ms (1001 pts)	

	CSE Test Grap	h(s) (Channel Ba	andwidth: 5 M	Hz) HCH QF	2SK	
CO RL	rum Analyzer - Swept SA RF 50 9 (b) C Freq 79,500 kHz	SENSE:INT	aumaumo		Frequency	
	PNO:	Wide +++ Trig: Free Run In:Low #Atten: 10 dB	Avg Type: RMS Avg[Hold: 9/100 M	01:36:57 PM May 00, 2019 TRACE 1 2 3 4 5 6 TVTE MWWWW DET A A A A A A Kr1 11.397 kHz -72.898 dBm	Auto Tune	
10gB/div	Ref 8.58 dBm			-72.898 UBII	Center Freq 79,500 kHz	
-11.4					Start Freq	
-21,4				-33.00 eDes	9.000 kHz Stop Freg	
-41,4					160.000 kHz	
-61.4					CF Step 14.100 kHz Auto Man	
	un white the the the	Multin martine.	م دامه الم المن الاسلام	a the set the set	Freq Offset 0 Hz	
-81.4		in min , there I then the	NA WHAT Jun A. 1004	Stop 150.00 kHz		
#Res BM	1.0 kHz	#VBW 3.0 kHz*		4.0 ms (1001 pts)		
RL BL	rum Analyzer Swept SA PP 50 2 ADC Freq 15.075000 MHz PN0	: Fast In:Low #Atten: 10 dB	Acionauto Avg Type: RMS Avg[Held: 9/100	01:37:02 PM May 00, 2019 TRACE 1 2 3 4 5 6 Tyte Museum DET A A A A A A	Frequency	
10 dB/div	IFGai Ref Offset 8.58 dB Ref 8.58 dBm	init.ow #Atten: 10 dB		Mkr1 956 kHz -59.891 dBm	Auto Tune	
-1.42					Center Freq 15.075000 MHz	
-11.4				-23 00 eEse	Start Freq 150.000 kHz	
-31.4					Stop Freq 30.000000 MHz	
-41,4					CF Step 2.985000 MHz	
-61.4	thugh 1				Freq Offset	
-81.4	"Curtor methy more	wanardyesetanewsturewaysetyteredites	~~~	no-shahttyphyphyphyphyphyphyphyphyphyphyphyphyphy	0 Hz	
Start 150 #Res BW	kHz 10 kHz	#VBW 30 kHz*		Stop 30.00 MHz 58.3 ms (1001 pts)		
CO RL	rum Analyzer - Swept SA R# SO Q AC	SENSE INT	OTUANDIA	DC Coupled	Frequency	
		Z : Fast ↔ Trig: Free Run in:Low #Atten: 40 dB	Avg Type: RMS Avg Hold: 4/100	TYTE MUMMUM Det A A A A A A	Frequency Auto Tune	
	Ref Offset 7.98 dB Ref 30.00 dBm			-30.533 dBm	Center Freq	
200 10.0 1					13.015000000 GHz Start Freq	
0.00					30.000000 MHz	
-10.0				-13.00 dBm	Stop Freq 26.00000000 GHz	
-30.0			-	man man	CF Step 2.597000000 GHz Auto Man	
معامد -50.0		a and a star and a star a s			Freq Offset 0 Hz	
-60.0	MHz 1.0 MHz			Stop 26.00 GHz 4.93 ms (1001 pts)		
Start 30	VIHZ			Stop 26.00 GHz		

CSE Test	Graph(s) (Channel Bai	ndwidth: 5 MHz) LC	H 16QAM	
Agilent Spectrum Analyzer - Swept 5		ALL ALL SECTION OF A DATA	ne set in a diffe	
Center Freq 79.500 kH	PNO: Wide Irig: Free Run	AUGNAUTO 01:36:10 PM Avg Type: RMS TRACE Avg[Hold: 9/100 Type	May 08, 2019 1 2 3 4 5 6 MMMMMMM A A A A A A	
10 dB/div Ref Offset 8.58 d Log Ref 8.58 dBm	IFGain:Low #Atten: 10 dB B	Mkr1 10.4		
-1.42			Center Freq 79,500 kHz	
-11.4			Start Freq 9.000 kHz	
-31.4				
-41.4			CF Step	
-61.4			14.100 kHz Auto Man	
21.4 Muhmunnar Mar 2 Jap	and more and have been by	har margan a regular may and	A th ru√V ^A OHz	
Start 9.00 kHz		Stop 150	0.00 KHZ	
#Res BW 1.0 kHz	#VBW 3.0 kHz*	Sweep 174.0 ms (1		
Agilent Spectrum Analyzer Swept RL RF Sogar Center Freq 15.075000	MHz PNO: Fast +++ Trig: Free Run	AUGNAUTO 01:36:15 PM Avg Type: RMS TRACE Avg[Hold: 8/100 Trife Det	May 08, 2019 1:23456 Museum A A A A A A	
10 dB/div Ref Offset 8.58 d Log Ref 8.58 dBm	IFGain:Low #Atten: 10 dB	Mkr1 3.40		
-1.42			Center Freq 15.075000 MHz	
-11.4			Start Freq 150.000 kHz	
-31.4			Stop Freq	
-41.4			CF Step	
-67.4 02 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1			2.985000 MHz Auto Man	
-71.4	าน้ำหารายผ่างเพราะระหว่างให้เหล่าหรูสุดที่สุดสัญหารัฐกลุ่มหรือเหลือเหลือเล่า		Freq Offset 0 Hz	
Start 150 kHz #Res BW 10 kHz	#VBW 30 kHz*		.00 MHz	
Agilant Spectrum Analyzer - Swept S		STATUS L DC Coup		
00 RL RF 50 Q A Center Freq 13.015000	SEM ENT	ALIONAUTO 01:36:18 PM Avg Type: RMS TRACE Avg[Hold: 4/100 Det	A A A A A A	
10 dB/div Ref Offset 7.98 d Log Ref 30.00 dBr		Mkr2 25.66		
20.0			Center Freq 13.015000000 GHz	
10.0			Start Freq 30.000000 MHz	
-10.0			-13.00 dbm Stop Freq 26,00000000 GHz	
-20.0			CF Step	
-40.0	un marine marine and		Auto Man	
-50.0			Freq Offset 0 Hz	
Start 30 MHz #Res BW 1.0 MHz	#VBW 3.0 MHz*	Stop 26 Sweep 64.93 ms (1	001 pts)	
#Res BW 1.0 MHZ	#VEVV 3.0 IVIPIZ"	Sweep 64.93 ms (1	out his)	

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
 Aglant Spectrum Analyzer - Swept SA B RL 000 B00 Conter Freq 79.500 kHz PN0: Wide - Trig: Free Run Avg Type: RN00 Triver (23.3.5.6 Frequency
Control Field Field PRO: Write
1.42 Center Freq 79.500 kHz
-11.4 Start Freq 9.000 kHz
41.4 150.000 kHz
-61.4
21 a M Martin Manak Martin Mark Con Martin Con Martin Con Martin Con Martin Con Martin Con Martin Con Har Con
Start 9.00 kHz Stop 150.00 kHz #Res BW 1.0 kHz #VBW 3.0 kHz* Sweep 174.0 ms (1001 pts)
 Asia status 2 DC Coupled
Center Freq 15.075000 MHz Stretcint Automatio 01260689MMyr06,2019 PNC: Fast →→ Frequency Frequency Freq
10 dB/div Ref 8.58 dB Mkr1 3,434 MHz Auto Tune
1.42 Center Freq 16,075000 MHz
-11.4 -21.4
31.4 Stop Freq 30.000000 MHz
-51.4 CF Step 2.985000 MHz
614 industrie
-71.4 -71.4 Freq Onset -81.4
Start 150 kHz Stop 30.00 MHz #Res BW 10 kHz #VBW 30 kHz* Sweep 368.3 ms (1001 pts) #ss0 \$strut dt DC Coupled
Agilent Spectrum Analyzer. Swept SA Street Bit Frequency Center Freq 13.015000000 GHz Fright and the Street Bit Avg/Hold: 4/100 Train Free Run Avg/Hold: 4/100 Train Free Run Bit Street Bit Avg/Hold: 4/100 Train Free Run Bit Street Bit Frequency
IFGaintLow #Atten: 40 dB Mkr2 25,922 GHz Auto Tune
10 dB/div Ref 30.00 dBm -30.445 dBm
10.0 1 Start Freq 0.00 00000 MHz
-10.0
20.0 GF Stop
40.0 Auto Man
-50.0 FreqOffset 0 Hz
-60.0

Agilent Spectrum Analyze	r - Swept SA	tanga mel	attrauto	01:37:13 PM May 00, 2019	1000
Center Freq 79.	500 kHz PNO: Wid IFGain:Lo	Trig: Free Run	Avg Type: RMS Avg[Held: 9/100	TRACE 1 2 3 4 5 6 TYPE MUMUUUU DET A A A A A A	Frequency
10 dB/div Ref 8.3	set 8.58 dB 58 dBm		Mkr	1 145.629 kHz -69.198 dBm	Auto Tune
-1.42					Center Freq 79.500 kHz
-11.4					Start Freq
-21.4					9.000 kHz
-31.4				-32.00 dDm	Stop Freq 150.000 kHz
-61.4					CF Step 14.100 kHz Auto Man
-21.4 WWW MANNAMWA	Muhananan	mpmounth	www.www.	mar and and the	Freq Offset 0 Hz
-81.4 Start 9.00 kHz				Stop 150.00 kHz	
#Res BW 1.0 kHz	#1	/BW 3.0 kHz*	Sweep 174	LO ms (1001 pts)	
Agilent Spectrum Analyze	50.0 0 00	SENSE INT			Fraguator
Center Freq 15.	075000 MHz PNO: Fat IFGain:Lo	Trig: Free Run W #Atten: 10 dB		01:37:18 PM May 08, 2019 TRACE 1 2 3 4 5 6 TYPE MUMMUM DET A A A A A A	Frequency Auto Tune
10 dB/div Ref 8.1	set 8.58 dB 58 dBm			Mkr1 478 kHz -61.540 dBm	Auto Tune
-1,42					Center Freq 15.075000 MHz
-11.4					Start Freq 150.000 kHz
-21.4				-23 00 4Dm	
-41.4					Stop Freq 30.000000 MHz
-51.4					CF Step 2.985000 MHz Auto Man
-61.4 The manufacture					FreqOffset
-81.4	Makyrenskyramionepytanse	Hankiriana supakuraa maanalasuka	hadringsonryloinglernentrationalerfall	molecturelizationspectral and state	0 Hz
Start 150 kHz				Stop 30.00 MHz	
 #Res BW 10 kHz	#	/BW 30 kHz*		3.3 ms (1001 pts)	
Agilant Spectrum Analyze W RL RP Center Freq 13.1	50 0 AC	SENSE INT	ALIONAUTO Avg Type: RMS Avg Held: 4/100	01:37:21 PM May 00, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fat IFGain:Lo	t ↔ Trig:Free Run w #Atten: 40 dB		2 25.714 GHz	Auto Tune
10 dB/div Ref 30	aet 7.98 dB 1.00 dBm			-30.603 dBm	Conter From
20.0					Center Freq 13.015000000 GHz
10.0					Start Freq 30.000000 MHz
-10.0					
-20.0				-13.00 dBm	Stop Freq 26.00000000 GHz
-30.0					CF Step 2.597000000 GHz Auto Man
-40.0 mlanar	martin martin		Lander		Freq Offset
					0 Hz
-60.0					

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CSE Tes	t Graph(s) (Chann	el Bandwidth: 1	0 MHz)_LCH_G	PSK	J
Aglient Spectrum Analyzer - Swep	DC SEN		UTO 01:37:29 PM May 00, 2019		
Center Freq 79.500 kl	Hz PNO: Wide +++ IFGain:Low #Atten: 10	Avg Type: RMS Run Avg Hold: 8/100 dB	TRACE 1 2 3 4 5 6 TYPE MULLING DET A A A A A A	Frequency	
10 dB/div Ref Offset 8.58 Log Ref 8.58 dBi			Mkr1 14.217 kHz -71.804 dBm	Auto Tune	
-1.42				Center Freq 79.500 kHz	
-11.4				Start Freq 9.000 kHz	
-21.4			-33 00 eDe	Stop Freq	
-41.4				150.000 kHz	
-61.4				CF Step 14.100 kHz Auto Man	
-71.4				Freq Offset 0 Hz	
-81.4 Mary Mary Mary Mary	My way and My way and a	manyman	action when when when a		
Start 9.00 kHz #Res BW 1.0 kHz	#VBW 3.0 kHz*		Stop 150.00 kHz p 174.0 ms (1001 pts)		
Agilent Spectrum Analyzer - Swep	DC SEN	SE-INT ALTONA		Frequency	
Center Freq 15.07500	PNO: Fast +++ Trig: Free IFGain:Low #Atten: 10	Avg Type: RMS Run Avg[Hold: 8/100 dB	01:37:34 PM May 08, 2019 TRACE [1:2:3:4:5:6 TRACE [1:3:3:6 TRACE [1:3:3:5:6 TRACE [1:3:3:6] TRACE [1:3:3:5:6] TRACE [1:3:5:6] TRACE		
10 dB/div Ref 0ffset 9.58 Ref 8.58 dBr	dB n		-62.032 dBm		
-1.42				15.075000 MHz	
-11.4			-25 00 eDe	Start Freq 150.000 kHz	
-31.4				Stop Freq 30.000000 MHz	
-41,4				CF Step	
-61.4 4 1				2.985000 MHz Auto Man	
-71.4 Aphinites mar hauster	have marked and a strand and and	and a survey of the second second	alland rike we have a start read of the	Freq Offset 0 Hz	
			Stop 30.00 MHz		
#Res BW 10 kHz	#VBW 30 kHz*		p 368.3 ms (1001 pts)		
Agilant Spectrum Analyzer Swep Of RL RF 50 G Center Freq 13.01500	AC SEN	Avg Type: RMS Run Avg Held: 4/100	UTO 01:37:37 PM May 08, 2019 TRACE 1 2 3 4 5 6 TYPE MWAAAAAA	Frequency	
Ref Offset 7.98	IFGain:Low #Atten: 40	dB	Mkr2 25.688 GHz -30.959 dBm	Auto Tune	
10 dB/div Ref 30.00 dE				Center Freq 13.015000000 GHz	
10.0				Start Freg	
0.00				30.000000 MHz	
-10.0			-13.00 dBm	Stop Freq 26.00000000 GHz	
-30.0				CF Step 2,597000000 GHz	
-40.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second s		Auto Man Freq Offset	
-60.0				0 Hz	
Start 30 MHz			Stop 26.00 GHz p 64.93 ms (1001 pts)		
#Res BW 1.0 MHz	#VBW 3.0 MHz*		p 64.93 ms (1001 pts)		

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CO RL	ectrum Analyzer - Swept SA	12	SENSEINT	ALIONAUTO	01:30:00 PM May 00, 20	19
Center	Freq 79.500 kHz		rig: Free Run Atten: 10 dB	Avg Type: RMS Avg[Held: 9/100	TRACE 1 2 3 4 TYPE MUMAN DET A A A A	5.6 Frequency
10 dB/di	Ref Offset 8.58 dB Ref 8.58 dBm	e		1	Mkr1 11.256 kH -72.464 dB	Auto Tune
-1.42						Center Freq 79,500 kHz
-11.4						
-21.4						9.000 kHz
-31.4					-93.00 (Stop Freq 150.000 kHz
-61.4						CF Step 14,100 kHz
-61,4						Auto Man
-71.4						Freq Offset 0 Hz
-81.4	mannanga	hand by my have	Marine Anna	pronomproved	phono when a	^A n
Start 9. #Res B	00 kHz W 1.0 kHz	#VBW 3.0	kHz*	Sween	Stop 150.00 ki 174.0 ms (1001 p	1z
MSG	VV 1.0 KHZ	#VBW 3.0	/ NH2		174.0 ms (1001 p	
DO BL	Freq 15.075000	121 - 22	SENSE:INT	ALIONAUTO	01:30:05 PM May 00, 20	Frequency
Center	Freq 15.075000	PNO: Last	rig: Free Run Atten: 10 dB	Avg Type: RMS Avg Held: 8/100	TRACE 1 2 3 4 TYPE MUMM DET A A A A	
10 dB/di	Ref Offset 8.58 dB Ref 8.58 dBm				Mkr1 926 kH -62.447 dB	
-1.42						Center Freq 15.075000 MHz
-11.4						
-21.4					-23.00+	Start Freq 150.000 kHz
-31.4						Stop Freq
-41.4						30.000000 MHz
-51.4						CF Step 2.985000 MHz
-61.4	where the state of					Auto Man
-71.4 Aste	no kHz	land when a should be a state				Freq Offset 0 Hz
-81.4		. MANUAMAN PANAN	herestighter and showing	Andrewskitcheticker	na privation and the states are	4.0°
Start 13 #Res B	50 kHz W 10 kHz	#VBW 30			Stop 30.00 Mi 368.3 ms (1001 p	
MSG					us LDC Coupled	
Agilent Spe Center	Freq 13.015000	00 GHz	SENSEDNT	ALIONAUTO Avg Type: RMS Avg Hold: 4/100	01:38:08 PM May 08, 20 TRACE 1 2 3 4	Frequency
Conter		IFGain:Low	rig: Free Run Atten: 40 dB		TRACE 1 2 3 4 TYPE MWWW DET A A A A	
10 dB/di	Ref Offset 7.98 dB Ref 30.00 dBm			, , , , , , , , , , , , , , , , , , ,	4kr2 25.662 GH -30.290 dB	
20.0						Center Freq 13.015000000 GHz
0	,1					- Charles - Charles
10.0						Start Freq 30.000000 MHz
0.00					-13.00 (
						26.00000000 GHz
0.00						
0.00					,	CF Step 2.597000000 GHz
0.00 -10.0 -20.0				water and the second second		CF Step 2.59700000 GHz Auto Man
0.00 -10.0 -20.0 -30.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		water and the second		CF Step 2.597000000 GHz
-10.0 -20.0 -30.0 -40.0		****	~~~~			CF Step 2.59700000 GHz Auto Man Freq Offset

BL BL	ctrum Analyzer - Swept	DC I	SENS	INT	ALIGNAUTO	01:38:32 PM May 08, 201	Frequency
Center	Freq 79.500 kH	PNO: Wide IFGain:Lov	Trig: Free F #Atten: 10 d	Avg Typ tun Avg[Hol IB	e: RMS d: 9/100	TRACE 1 2 3 4 5 TYPE MUMMUM DET A A A A A	A
10 dB/div	Ref Offset 8.58 Ref 8.58 dBn	dB N			N	4 4 9.846 kH -73.115 dBn	Auto Tune
-1.42							Center Freq 79.500 kHz
-11.4							
-21.4							Start Freq 9.000 kHz
-31.4			_		-	-00.00 40	Stop Freq
-41.4			_		-		150.000 kHz
-51.4							CF Step 14.100 kHz
-61.4			_		-		Auto Man
-71.4	M	۸.		Λ			Freq Offset 0 Hz
-81.4	Manufactures	and a solution and	mannan	Ampagara	Why worked	When you want	
Start 9.0	00 kHz W 1.0 kHz		'BW 3.0 kHz*		Eween 17	Stop 150.00 kHz 74.0 ms (1001 pts	
M5G	1.0 KH2		500 KH2			DC Coupled	"L
EN PI	RF 50 Q An	N°	SENSE	INT	ALIGNAUTO	01:38:37 PM May 08, 201	Frequency
Center	Freq 15.07500	D MHZ PNO: Fast IFGain:Lov	Trig: Free F #Atten: 10 d	Avg Tyj tun Avg Hel IB		TRACE 1 2 3 4 5 TYPE MUMMUM DET A A A A A	~
10 dB/div	Ref Offset 8.58 Ref 8.58 dBn	dB N			м	lkr1 1.881 MH: -61.391 dBn	4
-1.42							Center Freq 15.075000 MHz
-11.4							
-21.4						-25 00 40	Start Freq 150.000 kHz
-31.4			_				Stop Freq
-41.4			_		-		30.000000 MHz
-51.4							CF Step 2.985000 MHz
-61.4	● ¹		_		-		Auto Man
-71.4 April	and and the first states and	Matul					Freq Offset 0 Hz
-81.4		of the second second	where we readed and an	and a shirt water and a feature of the state	mphicipmedicants	Stop 30 00 MH	
	0 kHz W 10 kHz		'BW 30 kHz*			Stop 30.00 MH 58.3 ms (1001 pts	
MSG	W TO KHZ	#*	BW 50 KHZ			DC Coupled	"L
CO BL	Ctrum Analyzer - Swept	AC.	SING	Ava Tra	ALIGNAUTO	01:38:40 PM May 08, 201 TRACE 11:2:3:4:5	Frequency
Center	Freq 13.01500	IFGain:Lov	Trig: Free F #Atten: 40 d	Avg Tyj Run Avg[Hol IB		TRACE 1 2 3 4 5 TYPE MUMMUM DET A A A A A	~
10 dB/div	Ref Offset 7.98 Ref 30.00 dB	dB m			Mk	-30.513 dBn	
20.0							Center Freq 13.015000000 GHz
10.0	1						
							Start Freq 30.000000 MHz
0.00						-13.00 @	Stop Freq
0.00							26.000000000 GHz
							20.0000000 GH2
-10.0						3	
-10.0		الايس عدمانين معرفة ال		~~~~	m	anna anna	CF Step 2.597000000 GHz Auto Man
-10.0		Danage way way way		~~~		anna mhur à	CF Step 2.59700000 GHz <u>Auto</u> Man Freq Offset
-10.0 -20.0 -30.0 -40.0		Di Anga magi magi magi magi magi magi magi ma		~~~			CF Step 2.597000000 GHz Auto Man

	CSE Test Gra	ph(s) (Channel Bai	ndwidth: 10 MF	Hz)_LCH_160	QAM
CO RL	pectrum Analyzer - Swept SA	SENSE INT	althauto	01:37:44 PM May 08, 2019	Frequency
	Ref Offset 8.58 dB	PNO: Wide +++ Trig: Free Run #Atten: 10 dB	Avg Type: RMS Avg Held: 8/100 Mk	rr1 13.230 kHz -71.556 dBm	Auto Tune
10 dB/d -1.42					Center Freq 79.500 kHz
-11.4					Start Freq 9.000 kHz
-31.4				-93 00 dDn	Stop Freq 150,000 kHz
-51.4					CF Step 14.100 kHz Auto Man
-61.4	Mana antina No man	N. 10 Ja . 10 . 10 . 10	A.A. A IA & AM	100 00 0000	Freq Offset 0 Hz
-81.4	9.00 KHZ	l per examply the per phylogen i	Among and	Stop 150.00 kHz	
#Res E	BW 1.0 kHz	#VBW 3.0 kHz*		4.0 ms (1001 pts)	
CO RL	pectrum Analyzer - Swept SA BF S0 2 CC PF Freq 15.075000 MHz	Servie::nvt PNO: Fast →→→ Trig: Free Run	ALIGNAUTO Avg Type: RMS Avg[Hold: 8/100	01:37:49 PM May 08, 2019 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET A A A A A A	Frequency
10 dB/d	Ref Offset 8.58 dB	FGain:Low #Atten: 10 dB		Mkr1 956 kHz -63.129 dBm	Auto Tune
-1.42					Center Freq 15.075000 MHz
-11.4				-23.00 eDm	Start Freq 150.000 kHz
-31.4					Stop Freq 30.000000 MHz
-51.4	A1				CF Step 2.985000 MHz Auto Man
-61.4 -4 -71.4 -4	however and seed of the second				Freq Offset 0 Hz
-81.4	150 kHz	a stricture all statements are signly as drawn supp	har belanner and fire managed	Stop 30.00 MHz	
	BW 10 kHz	#VBW 30 kHz*	Sweep 36	8.3 ms (1001 pts)	
Cente	r Freq 13.015000000		ALIGNAUTO Avg Type: RMS Avg[Hold: 4/100	01:37:53 PM May 08, 2019 TRACE 1 2 3 4 5 6 Type Museum	Frequency
10 dB/d	Ref Offset 7.98 dB	FGain:Low #Atten: 40 dB		r2 26.000 GHz -30.733 dBm	Auto Tune
20.0	o ¹				Center Freq 13.015000000 GHz
0.00					Start Freq 30.000000 MHz
-10.0				-13.00 dBm	Stop Freq 26.000000000 GHz
-30.0				2	CF Step 2.59700000 GHz Auto Man
-40.0	here and the second				Freq Offset 0 Hz
-60.0	30 MHz			Stop 26.00 GHz	
#Res I	BW 1.0 MHz	#VBW 3.0 MHz*	Sweep 64	.93 ms (1001 pts)	

	CSE Test Gr	aph(s) (Channel Bai	ndwidth: 10 MF	lz)_MCH_160	QAM	
CO RL	r Freq 79.500 kHz	SENSE INT	ALIONAUTO Avg Type: RMS	01:30:16 PM May 08, 2019 TRACE 1 2 3 4 5 6 TYPE MUMMANN	Frequency	
	Ref Offset 8.58 dB	PNO: Wide +++ IFGain:Low #Atten: 10 dB	Avg Type: RMS Avg Held: 9/100	r1 14.781 kHz -71.221 dBm	Auto Tune	
10 dB/d	v Ref 8.58 dBm				Center Freq	
-1.42					79.500 kHz	
-21.4					Start Freq 9.000 kHz	
-31.4				-33.00 40m	Stop Freq 150.000 kHz	
-51.4					CF Step 14.100 kHz Auto Man	
-71.4	AT Month Manh m		da i it in an	up and here	Freq Offset 0 Hz	
.81.4 Start 9 #Res E	00 kHz W 1.0 kHz W 1.0 kHz	#VBW 3.0 kHz*	Sweep 17	Stop 150.00 kHz 4.0 ms (1001 pts)		
DO BL	ectrum Analyzer - Swept SA RF 50 G 🗥 DC	SINGUNT	an tot wat the	DC Coupled	Freedom	
Cente	Freq 15.075000 M	HZ PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 10 dB	Avg Type: RMS Avg Held: 8/100	TRACE 1 2 3 4 5 6 TYPE MUMMUM DET A A A A A A	Frequency	
10 dB/d	Ref Offset 8.58 dB Ref 8.58 dBm			Mkr1 926 kHz -62.996 dBm	Auto Tune	
-1.42					Center Freq 15.075000 MHz	
-11.4				-23.00 45m	Start Freq 150.000 kHz	
-31.4					Stop Freq 30.000000 MHz	
-51.4	1				CF Step 2.985000 MHz Auto Man	
-71.4	warlower, labor for hand a single h	drug hastarauther prodomitistically wear			Freq Offset 0 Hz	
-81.4 Start 1	50 kHz	" Parters of the granter shelper address	instructure and the second second states	Stop 30.00 MHz		
#Res E	W 10 kHz	#VBW 30 kHz*	Sweep 36	8.3 ms (1001 pts)		
CO BL	ectrum Analyzer - Swept SA 19 50 0 AC r Freq 13.01500000	0 GHz PNO: Fast +++ Trig: Free Run	ALIONAUTO Avg Type: RMS Avg[Hold: 4/100	01:30:24 PM May 00, 2019 TRACE 1:2:3:4:5:6 Tyte Mwwwww Det A A A A A A	Frequency	
10 dB/d	Ref Offset 7.98 dB	PNO: Fast +++ IFGain:Low #Atten: 40 dB		r2 25.714 GHz -30.284 dBm	Auto Tune	
20.0					Center Freq 13.015000000 GHz	
10.0	>				Start Freq 30.000000 MHz	
-10.0				-13.00 dBm	Stop Freq 26.00000000 GHz	
-20.0				and a start of the	CF Step 2.59700000 GHz Auto Man	
-40.0	wind	and the second second second			Freq Offset	
-50.0					0 Hz	
				Stop 26.00 GHz .93 ms (1001 pts)		
Start 3	0 MHz W 1.0 MHz	#VBW 3.0 MHz*		Stop 26.00 GHZ 1		

Agilant Spect	CSE Test Graph(s	SENSE INT	a manufic	01:38:47 PM May 08, 2019	
Center F	Freq 79.500 kHz PNO: WI IFGain:L	de +++ Trig: Free Run w #Atten: 10 dB	Avg Type: RMS Avg[Held: 8/100	TRACE 1 2 3 4 5 6 TYPE MUMMUM DET A A A A A A	Frequency
10 dB/div	Ref Offset 8.58 dB Ref 8.58 dBm		м	kr1 10.551 kHz -70.172 dBm	Auto Tune
-1.42					Center Freq 79.500 kHz
-11,4					Start Freq
-21.4					9.000 kHz
-31.4				-33 60 dBm	Stop Freq 150.000 kHz
-51.4				[CF Step 14.100 kHz Auto Man
-61.4					FreqOffset
-71.4 WWW	ware monthly warden and	mannan	maria amount	Monumperson	0 Hz
Start 9.00	0 KHZ		50 1	Stop 150.00 kHz	
#Res BW	/ 1.0 kHz #	VBW 3.0 kHz*		74.0 ms (1001 pts)	
CO RL	rum Analyzer - Swept SA 199 - S0 g A DC Freq 15.075000 MHz	SENSEINT	ALIGNAUTO Avg Type: RMS	01:30:52 PM May 00, 2019 TRACE 1 2 3 4 5 6 Trife Museum	Frequency
Centerr	PNO: Fa IFGain:L	trig: Free Run w #Atten: 10 dB	Avg Held: 8/100	Mkr1 956 kHz	Auto Tune
10 dB/div	Ref Offset 8.58 dB Ref 8.58 dBm			-63.730 dBm	
-1.42					Center Freq 15.075000 MHz
-11.4					Start Freq 150.000 kHz
-21.4				-220 00 4Das	Stop Freg
-41.4					30.000000 MHz
-51.4					CF Step 2.985000 MHz Auto Man
-61.4 -21.4 WB/vh	themating and a				FreqOffset
-81.4	Henrichanschale market and a land	man	the stand and the stand of the	conference of approximation there win	0 Hz
#Res BW	F 10 KHZ #	VBW 30 kHz*		58.3 ms (1001 pts)	
CO RL	rum Analyzer - Swept SA IP 50 9 AC Freq 13.015000000 GHz	SENSEINT	Aug Type: RMS Avg Hold: 4/100	01:30:56 PM May 00, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fa IFGain:t	st ↔ Trig:Free Run ow #Atten:40 dB		TYNE MUMANAAAA TYNE MUMANAAAA Det AAAAAA (r2 25.636 GHz	Auto Tune
10 dB/div	Ref Offset 7.98 dB Ref 30.00 dBm			-30.822 dBm	Center Freq
20.0					13.015000000 GHz
10.0					Start Freq 30.000000 MHz
-10.0				-13.00 dBm	Stop Freq
-20.0					26.00000000 GHz
-30.0				man	CF Step 2.597000000 GHz Auto Man
-40.0 -50.0		down all and			FreqOffset
-50.0					0 Hz
-60.0					