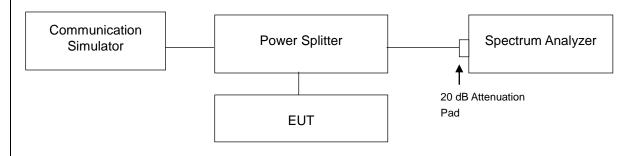


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission is equal to -13 dBm.

4.6.2 Test Setup



4.6.3 Test Procedure

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30 MHz to 8 GHz for LTE Band 17 and from 30 MHz to 18 GHz for LTE Band 4. 10 dB attenuation pad is connected with spectrum. RBW = 100 kHz and VBW = 300 kHz are used for conducted emission measurement.



4.6.4 Test Results

WCDMA

30MHz ~ 1GHz

				WCE	AIMA						
	Chann	el 1312					Chann	el 141:	3		
keysett Spectourn Analyset Swept S RL RF 5990 20 arker 1 831.30856542	XC SENSE: INT	Avg Type: Log-Pwr	11:25:47 PM Jan 11, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Peak Search	Anysekt Spectrum Analyze R.L RF Marker 1 965.563	5810 DC	SENSE INT Trig: Free Run #Atten: 30 dB	Avg Type:	LIGN OFF 1 Log-Pwr	1:26:51 PMJan 11, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Peak Search
dB/div Ref 35.00 dBn	n	M	kr1 831.31 MHz -37.29 dBm	NextPeak	10 dB/div Ref 35.	et 15 dB 00 dBm			Mkr1	965.56 MHz -37.16 dBm	NextPe
5.0				Next Pk Right	25.0						Next Pk Rig
o 				Next Pk Left	5.00						Next Pk L
0			041 -13,00 atim.	Marker Delta	-500					041 -13,00 dBin.	Marker D
0				Mkr⊸CF	-25.0						Mkr-
		Himpelle stands interesting	a mitting and any	Mkr→RefLvi	-35.0 -45.0		and the second second	Silit and a state of the			Mkr→Ref
art 0.0300 GHz		1		More 1 of 2	-55.0.						M
es BW 1.0 MHz	#VBW 3.0 MHz	STATUS	Stop 1.0000 GHz 01.3 ms (20000 pts)	1012	Start 0.0300 GHz #Res BW 1.0 MHz MSC	#\	/BW 3.0 MHz	#Sv	Starus	op 1.0000 GHz ms (20000 pts)	
Nanush Spectrum Analyses Surger 6 Rt 99 1990 1 Irker 1 892.71263563 Ref Offset 15 dB	A SEVENIE 32 MHz HKD: Fest FKGinLow Trig: Free Run FGeinLow A	el 1513 del LON OFF Avg Type: Log-Pwr	11.3753 PM 3m 11,2018 TRACE [2 3 4 5 6 TRACE [2 3 4 5 6 TRACE [2 3 4 5 6 TRACE [1 3 3 5 7 TRACE [1 3 3 5 7 TRACE [1 3 5 7 TRACE	Peak Search Next Peak	Start 0.0300 GHz #Res BW 1.0 MHz	/*\ 	/BW 3.0 MHz	#Sv	eep 501.3	op 1.0000 GHz ms (20000 pts)	
Another the second seco	A SEVENIE 32 MHz HKD: Fest FKGinLow Trig: Free Run FGeinLow A	el 1513 del LON OFF Avg Type: Log-Pwr	11.37 ms (20000 pts)	Peak Search	Start 0.0300 GHz #Res BW 1.0 MHz	7%	YBW 3.0 MHz	#SM	eep 501.3	op 1.0000 GHz ms (20000 pts)	
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Regest Ipercum Analysis Surget 1. L = 00 rrker 1 892-771263562 Ref Offset 15 dB dB/duv Ref 35.00 dBr 0 0 0 0 0	A SEVENIE 32 MHz HKC: Fast FKG: Loss Trig: Free Run FG: Sol dB	el 1513 del LON OFF Avg Type: Log-Pwr	11.3753 PM 3m 11,2018 TRACE [2 3 4 5 6 TRACE [2 3 4 5 6 TRACE [2 3 4 5 6 TRACE [1 3 3 5 7 TRACE [1 3 3 5 7 TRACE [1 3 5 7 TRACE	Peak Search Next Peak Next Pk Right	Start 0.0300 GHz #Res BW 1.0 MHz	đ\	7BW 3.0 MHz	#SW	eep 501.3	op 1.0000 GHz ms (20000 pts)	
Ref Offset 15 dB gBidly Ref 35.00 dBr	A SEVENIE 32 MHz HKC: Fast FKG: Loss Trig: Free Run FG: Sol dB	el 1513 del LON OFF Avg Type: Log-Pwr	11.3 ms (20000 pts)	Pesk Search Next Peak Next Pk Right Next Pk Left	Start 0.0300 GHz #Res BW 1.0 MHz	بري بري بري بري بري بري بري بري بري بري بري	7BW 3.0 MHz	#Sv	eep 501.3	op 1.0000 GHz <u>ms (20000 pts)</u>	
rker 1 892.71263563	A SEVENIE 32 MHz HKC: Fast FKG: Loss Trig: Free Run FG: Sol dB	el 1513 del LON OFF Avg Type: Log-Pwr	11.3 ms (20000 pts)	Peak Search Next Peak Next Pk Right Next Pk Lett Marker Delta	Start 0.0300 GHz #Res BW 1.0 MHz	β.	7BW 3.0 MHz	#Sv	eep 501.3	op 1.0000 GHz <u>ms (20000 pts)</u>	
Res BW 1.0 MHz International factors	A SEVENIE 32 MHz HKC: Fast FKG: Loss Trig: Free Run FG: Sol dB	el 1513 del LON OFF Avg Type: Log-Pwr	11.3 ms (20000 pts)	Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta MkrCF	Start 0.0300 GHz #Res BW 1.0 MHz	<i>σ</i> Υ	7BW 3.0 MHz	#Sv	eep 501.3	op 1.0000 GHz <u>ms (20000 pts)</u>	



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10GHz ~ 26.5GHz

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30MHz ~ 1GHz

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arker 1 900.71553	5777 MHz PNO: Fast Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE M WWWW DET P NNNNN	Peak Search	Marker 1 822.43	PNO: Fe	Trig: Free F	4	vg Type: Log-Pw	TRA	ET P NNNN N	Peak Search
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NextF	Mkr1 887.96 MHz -37.38 dBm	Marker 1 887.959397970 MHz HOLE REALCH IFGene Low RAtter: 30 dB MK11 887.96 MHz BRS. 60 MK1 MK1887.96 MHz MK1887.96 MHz MK1887.96 MHZ					4 MHz	10:28:04 PM Jan TRACE 1 TYPE M GET P Ikr1 870.74 -37.17		7 Trig: Free Run #Atten: 30 dB	MHZ PNO: Fast C	0.741037052 M of Offset 15 dB of 35.00 dBm	Ref
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			and 4 width: 5 MHz	LTE B	Chann					
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dt 1201 0FC 103053 PM (set 8, 2015) Avg Type: Log-Pwr Tsxc2[1, 2, 3, 4, 5] Ymer Log-Pwr Tsxc2[1, 2, 3, 4, 5] Mkr 1891, 7, 90 MHz Mkr 1891, 7, 90 MHz -36, 96 dBm		12 PNO: Fast. C Trig: Free Run FGein:Low #Atten: 30 dB	August Technin Response Sourt Same R L 66 1900 00 Marker 1 891.791089554 MHz PHo. IFGam 10 8400 Ref Offset 16 dB 10 dB/div Ref 35.00 dBm 0	Peak Search Next Peak	10:32-29 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TRACE 1 2 4 5 6 TRACE 1 4 5 7 TRACE 1 4 5 7 T	Avg Type: Log-Pwr	SENSE INT Trig: Free Run #Atten: 30 dB	PNO: Fast G	Spectrum Analyse Swept Sci 3F 58 3 50 3 1 864.67823391 50 3 50 3 Ref Offset 16 dB Ref 35.00 dBm Ref 35.00 dBm 50 3 50 3	keysett Spe RL arker 1 dB/div
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M	Stop 1.0000 GHz #Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	Start 0.0300 GHz #Res BW 1.0 MHz	More 1 oF2	Stop 1.0000 GHz 1.3 ms (20000 pts)	#Sween 50:	W 3.0 MHz	#VBV	0300 GHz W 1.0 MHz	art 0.03
	starus				1.0 m3 (2000 pt3)	STATUS	Channel			
				Peak Search Next Peak	10:29:38 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE H WWWWW SETP NNN N Kr1 790.47 MHz -37,21 dBm	Avg Type: Log-Pwr	SENSE THT Trig: Free Run #Atten: 30 dB	476 MHz PNO: Fast G IFGain:Low	Ref Offset 15 dB Ref 35.00 dBm	arker 1
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#VBW 3.0 MHz #Sweep 501.3 ms (20000 pts) #Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 501.3 ms (20000 pts) Image: Market Market Market Market Market Market				Ohann	LTE B			AL 1_				
Name Name <th< th=""><th></th><th>Channe</th><th>el 20000</th><th>Chann</th><th>el Band</th><th>viath</th><th>: 101</th><th>VIHZ</th><th>Channe</th><th>I 20175</th><th></th><th></th></th<>		Channe	el 20000	Chann	el Band	viath	: 101	VIHZ	Channe	I 20175		
Image: Section of the sectio	Ref Offset 15 dB	T7 MHz PNO: Fast IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	THACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNNN		Marker 1 904.450222511 MHz PHC: Fast PHC: Fast Fig. Free Run (FGeinLow Rate: 30 dB R ef Offset 15 dB			SENSE DIT	Avg Type: Log-Pwr TRACE I 2 3 4 5 1 TOWN COM		
Image: State	dB/div Ref 35.00 dBr	m		-37.02 dBm	Next Pk Right	2.44	Ref 35.00	dBm			-37.28 dBm	Next Pk Ri
And a second	n				Next Pk Left	15.0	-					Next Pk I
Image: Section of the section of th	ο 				Marker Delta	. 1						MarkerD
Mit Mit <td></td> <td></td> <td></td> <td>DL1-13.00 4Bm</td> <td></td> <td>10.0</td> <td></td> <td></td> <td></td> <td></td> <td>DL1-13.00 dBn</td> <td></td>				DL1-13.00 4Bm		10.0					DL1-13.00 dBn	
300 GHz #VBW 3.0 MHz #Step 1.000 GHz 107 300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts) 107 Start 0.0300 GHz #VBW 3.0 MHz #Step 501.3 ms (2000 pts)	and a strategy of the second	ene ause del 1. de ause décembre d'a la 114 al 1846	Man and an Indian additional data	1 Cardinaritherith as a line	Mkr→CF	CT I I	undel axidente	a selected a second as a second	er som andre signaffe i sondare sinne stille	V-IV-la , airle bras brite	1 Internetienter	Mkr-
300 GHz Stop 1,0000 GHz 1 012 Start 0.0300 GHz #Stop 1,0000 GHz #Res BW 1.0 MHz #Stop 1,0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz #Stop 1,0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz #Stop 1,0000 GHz Channel 203500 #Array #Array #Res BW 1.0 MHz #VBW 3.0 MHz #Stop 1,0000 GHz 1936.46123091 MHz #Stop 1,0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz #Stop 1,0000 GHz 1936.46123091 MHz Array Type: LogePwr Tog: Pres Run Array Type: LogePwr Tog: Pres Run Peak Search IPEGINTOW #Ref 0ffset 15 dB Mkr1 936.46 MHz Next Pk Right Next Pk Left Marker Dela Marker Dela			un en ferste									
Channel 20350 Provide Colspan="2">Provide Colspan="2" Colspan="2" Colspan="2" Colspan="2" Provide Colspan= "2" <td>rt 0.0300 GHz es BW 1.0 MHz</td> <td>#VBW 3.0 MHz</td> <td></td> <td>01.3 ms (20000 pts)</td> <td></td> <td>Start 0.03 #Res BW</td> <td>00 GHz 1.0 MHz</td> <td>#\</td> <td>/BW 3.0 MHz</td> <td></td> <td>01.3 ms (20000 pts)</td> <td></td>	rt 0.0300 GHz es BW 1.0 MHz	#VBW 3.0 MHz		01.3 ms (20000 pts)		Start 0.03 #Res BW	00 GHz 1.0 MHz	#\	/BW 3.0 MHz		01.3 ms (20000 pts)	
Nor Strike (m) Avg (how one (how base)) Peak Search 1 336.461823091 MHz Productory Trig: Pree Run Productory Avg (how one (how base)) Peak Search Ref Office 15 dB Ref 35.00 dBm Trig: Pree Run Productory Mkr1 336.46 MHz -36.36 dBM Next Peak Next Pk Right Next Pk Right Next Pk Left Marker Deta		Channe	1010			MSC				STATE:	15 16	
	Ref Offset 15 dB	C SENSE INT 91 MHz PNO: Fast. IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MANNAN DET P NNNNN								
Bit I and I a	Ď				Next Pk Right							
					Next Pk Left							
Mkr→CP				0(1-1330 dBis	Marker Delta							
				1	Mkr→CF							
Mkr->RefLvi			Negologi gelateritare		Mkr→RefLvi							
300 GHz Stop 1.0000 GHz 10 ⁷² 1.0 MHz #VBW 3.0 MHz #Sweep 501.3 ms (20000 pts)	rt 0.0300 GHz			Stop 1.0000 GHz								

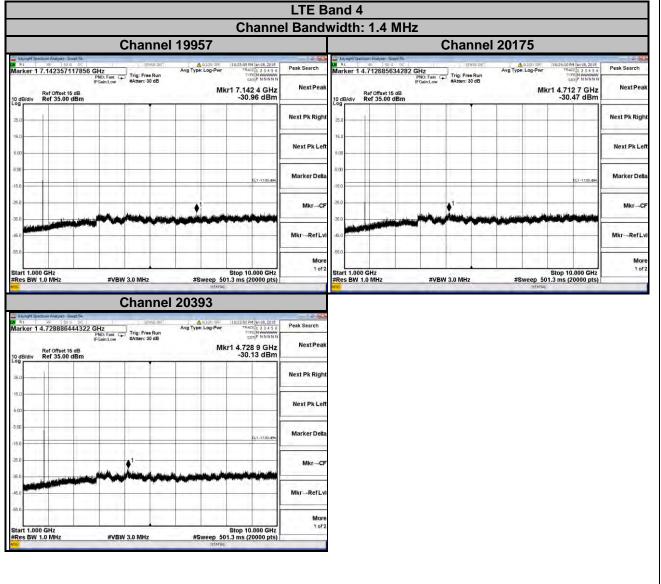


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		C	hanne	el 20025		nel Band	wiati	1: 15	VIHZ	Ch	annel	2017	5		
keysight Spect	ctourn Analyzen Swept SA 1987 5810 - 50		SENSE INT		CN CIFE 10:40:14 RM Jan 08. 2	018 S.6 Peak Search	CH RL	ectoum Analyzer - 5 18F - 50	apt 54 0. SC		SENSE INT	A 4	GN OFF 10:	39:15 PM Jan 08, 2018	Peak Search
	899.308965448 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast C	Trig: Free Run #Atten: 30 dB	Ang type. Do	Mkr1 899.31 M -37.18 dE	Hz NextPeak	Marker 1 770.535026751 MHz HOL Team - Trig: Free Run IFGein.Low RATER: 30 dB 10 dB/div Ref 35.00 dBm				g: Free Run tten: 30 dB	and there	Avg Type:Log-Pwr Trace[2:3:4:5: Peak Searc Peak Searc Peak Searc Peak Searc Peak Searc Peak Searc Peak Searc Peak Searc		
5.0						Next Pk Right	25.0				-				Next Pk Ri
5.0 .00						Next Pk Left	5.00								Next Pk L
					DL1 -13.80	A Marker Delta	-15.0							0C1 -13,00.48%	Marker D
.0						Mkr→CF	-25.0								Mkr
5.0 5.0 FRAM			Adapter of the second second	i Li selutranen dette		Mkr→RefLv	-35.0	-		ali de la competencia de la competencia La competencia de la c	anto gandes	teni yekenini	uline,		Mkr→Ref
art 0.030	00 GHz				Stop 1.0000 G	Hz More	-55.0 Start 0.0						Sto	p 1.0000 GHz	M
Res BW 1	1.0 MHz		3.0 MHz		ep 501.3 ms (20000 p	its)	#Res BN	1.0 MHz		#VBW 3.0	MHZ	#Swi	ep 501.3 r	ns (20000 pts) [
RL	etoum Analyzer Swept Sa RF 50 0 DC		SENSE INT	1	GN OFF 10:38:00 PM Jan 08, 2	BIB Peak Search									
	Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast C	Trig: Free Run #Atten: 30 dB	And the rol	Mkr1 860.99 M -37.16 dE	Hz NextPeak									
9						Next Pk Right									
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5.0		_				- Next FA Len									
a 					543-13.00	Marker Delta									
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5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0					1 04/10/2010 00 00 00 00 00 00 00 00 00 00 00 00	Marker Delta Marker Delta Mkr→CF Mkr→RefLv More									



			-	LTE B					
	20175	z Channel	idth: 20 MHz	el Bandy	Channe	20050	Channe		
	4 ALIGN OFF 10/43:03 PM Jan 08, 2018	Singent	Nayaght Spectoum Analyzer Swept Sa. R.L. 94 59.0 SC		10:44:15 PM Jan 08, 2018		Channe	Swept SA	eyught Spectrum Analyzer Suis
og-Pwr 100340 HANG 2015 THRC2[12345] Peak Sear THRC2[12345] New York Mkr1 965.32 MHz -37.53 dBm	Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 TRACE 1 2 4 5 6		arker 1 965.320766038 MHz	Peak Search Next Peak	1784CE 1 2 3 4 5 6 1777E M 4004000 CET P NNNNN Scr1 965.71 MHz -37.06 dBm	Avg Type: Log-Pwr	Trig: Free Run #Atten: 30 dB	PNO: Fast IFGain:Low	Ref Offset 15 B/div Ref 35.00 c
Next Pk R			5.0	Next Pk Right					
Next Pk			50	Next Pk Left					
Marker D	DL1-13,00.084			Marker Delta	DL1 -13.00 dBm				
Mkr-			5.0	Mkr⊸CF					
Mkr→Re		na dalam anigorista para da anis baix	5.0	Mkr→RefLvi		and the second strength		and the second	a de la deserve a la carde
N	Stop 1.0000 GHz		50 tart 0.0300 GHz	More 1 of 2	Stop 1.0000 GHz				rt 0.0300 GHz
	#Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	Res BW 1.0 MHz		1.3 ms (20000 pts)	STATUS	BW 3.0 MHz Channe		IS BW 1.0 MHz
				Peak Search	10:41:38 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P N N N N N	Avg Type: Log-Pwr	SENSE INT	632782 MHz PNO: Fast (FGain:Low	kynght Spectrum Analyser San L
						MK			
				Next Peak	(r1 902.66 MHz -36.31 dBm			t 15 dB 00 dBm	Ref Offset 15 B/div Ref 35.00 c
				Next Peak Next Pk Right	kr1 902.66 MHz -36.31 dBm			t 16 dB 00 dBm	Ref Offset 15 B/div Ref 35.00 c
					xr1 902.66 MHz -36.31 dBm			t 15 dB 00 dBm	Ref Offset 15 Bldiv Ref 35.00 c
				Next Pk Right	xr1 902.66 MHz -36,31 dBm			116 dB 200 dBm	B/div Ref 35.00 c
				Next Pk Right Next Pk Left	-36.31 dBm			215 dB 0 dBm	Ref Offset 15
				Next Pk Right Next Pk Left Marker Delta	-36.31 dBm			It's dB dBm	B/div Ref 35.00 c
				Next Pk Right Next Pk Left Marker Delta MkrCF	-36.31 dBm			k diference internet	B/div Ref 35.00 c







			and 4 width: 3 MHz	LTE B	Chann					
	20175	Channel			Chann	19965	Channel	(
Peak Search	▲ RLIGH OFF 10:27:26 PM 1an 08, 2618 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	SENSE DIT	keynight Spectrum Enalyzer Swept Sa. RL	Peak Search	10:28:22 PM Jan 08, 2018	Aug Type: Log-Pwr	SENSEINT	740 CH2	4.69963498174	RL RL
NextPe	Avg Type: Log-Pwr TPRE 1 2 3 4 5 6 TYPE W WWW SERIF W WWWW SERIF W WWW SERIF W WWWW SERIF W WWW SERIF W WWWW SERIF W WWWW SERIF W WWWW SERIF W WWWW SERIF W WWWWW SERIF W WWWW SERIF W WWWWWW SERIF W WWWW SE	FGain:Low Trig: Free Run #Atten: 30 dB		NextPeak	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN kr1 4.699 6 GHz -30.79 dBm		Trig: Free Run #Atten: 30 dB	PNO: Fast G IFGain:Low	Ref Offset 15 dB Ref 35.00 dBm	dB/div
Next Pk Rig			25.0	Next Pk Right					1	5.0
Next Pk L	Filler Filler		5.00	Next Pk Left						5.0 00
Marker De	5L1-13,00.49m		-16.0	Marker Delta	DL1 -13,00 454					5.0
Мкг⊸		1	-25.0	Mkr→CF						5.0
Mkr→Ref			-45.0	Mkr→RefLvi						
Me 1.	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	-550 Start 1.000 GHz #Res BW 1.0 MHz	More 1 of 2	Stop 10.000 GHz 01.3 ms (20000 pts)	#Sweep 50	W 3.0 MHz	#VBW	0 GHz	art 1.00
	ATUS		M ^{sc}			STATUS	Channel			
				Peak Search	10:26:23 PM Jan 08, 2018	ALIGN OFF	SENSE INT	A I	etrum Rhalijaki Sulepit Sa RF 50 0. DC	RL
				NextPeak	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P NNNNN kr1 4.062 9 GHz -30.65 dBm	Avg Type: Log-Pwr Mki	Trig: Free Run #Atten: 30 dB	PNO: Fast G IFGain:Low	4.06285314265 Ref Offset 15 dB Ref 35.00 dBm	
				Next Pk Right						dB/div
				Next Pk Left						5.0 00
										1
				Marker Delta	DL1 -13.00 dBin.					00
				Marker Delta Mkr⊸CF	26,1-13,00 (89e)					.0
					<u>μ</u> <u>μ</u> μ μ μ μ μ μ μ μ μ μ μ μ μ μ μ μ					5.0 5.0 5.0 5.0
				Mkr⊸CF	5(1-130) dfe			-		5.0 5.0 5.0 5.0 5.0 5.0 5.0



				<u> </u>			LTE B lel Band	Chann							
	0175	nel 2	Chan		1: 5 111	wia		Chann		1997	nanne	С			
Peak Search	DET P NNNN N	un	Trig: Free #Atten: 30	075 GHz PNO: Fast G IFGain:Low	toom Analyzer Swept 9F 50:0 4.030001500	LU RL	Peak Search	H9 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWW CET P N N N N N	34 OFF 10:8 Ng-Pwr	Avg Type: L	sense mr rig: Free Run Atten: 30 dB		20431 G	9.17240862	RL
NextPe	Mkr1 4.030 0 GHz -30.22 dBm				Ref Offset 15 di Ref 35.00 dB	10 dB/div	NextPeak	172 4 GHz 30.41 dBm		_			dB	Ref Offset 15 Ref 35.00 d	dB/div
Next Pk Rig					1	25.0	Next Pk Right		_					1	5.0
Next Pk L						15.0 5.00	Next Pk Left								5.0. 00
Marker De	5L1-1320 dBr					-16.0	Marker Delta	041 -13.00 4 0 m							.0
Mkr→	الانتخارة والمتعارض والمراج	duardin	Marini M.			-25.0	Mkr→CF	-	manhatati		-	-		1	iù iù
Mkr→Ref						-45.0	Mkr→RefLvi								
Me	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)		V 3.0 MHz	#VBV	GHz	Start 1.0	More 1 of 2	10.000 GHz s (20000 pts)	Sto ep 501.3 r	#Swe	0 MHz	#VBW 3		0 GHz 1.0 MHz	art 1.00
	STATUS					MBC			status 5	2037	nanne	С	_		
							Peak Search	00 PM Jan 08, 2018	GN OFF 10:3	Avg Type: L	SENSEINT	u- 1		RF 5910 9.14405720	
							NextPeak	144 1 GHz 30.50 dBm	Mkr1 9		rig: Free Run Atten: 30 dB	HZ NO: Fast 😱 Gain:Low	dB	Ref Offset 15 Ref 35.00 d	dB/div
							Next Pk Right				-			1	5.0
							Next Pk Left								5.0 00
							Marker Delta	DL1 -13.00 dBm							.0
							Mkr→CF		الموجود الم	م من من م					i0
							Mkr→RefLvi								.a uktur
										-					ia
							More 1 oF2	10.000 GHz			-				art 1.00



		I_	and 4 width: 10 MH	LTE B	Chann					
	0175	Channel		el Band	Channe	20000	Channel			
Peak Search	ф 4.16N 0FF 10:85:83 PM Jan 08, 2018 wg Type: Log-Pwr тяжсЕ [1 2 3 4 5 6 туре! М умужит едет Р И И N N N	2 GHz	Aryught Spectrum Analyzer Swept SA	Peak Search	10:38:54 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWW DET P N N N N N		SENSE INT	90 90 44282 GHz	RF 50 d 1 4.712685634	RL
NextPe	Mkr1 4.701 0 GHz -30.80 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Ref Offset 15 dB	NextPeak	cr1 4.712 7 GHz -29.45 dBm	Mki	#Atten: 30 dB	PNO: Fast (FGain:Low	Ref Offset 15 dE	dB/div
Next Pk Ri			25.0	Next Pk Right						5.0
Next Pk L			5.00	Next Pk Left						5.0 00
Marker D	0(1-1100.dBs		-15.0	Marker Delta	0(1 -13,00 dBie,					.0
Mkr-			-25.0	Mkr→CF		an and allower allower	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	window where a		0 0
Mkr→Ref			-45.0	Mkr→RefLvi						
M	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	550 Start 1.000 GHz #Res BW 1.0 MHz	More 1 of 2	Stop 10.000 GHz 01.3 ms (20000 pts)	#Sweep 50'	BW 3.0 MHz	#VE	00 GHz V 1.0 MHz	art 1.00
	isfatus		MCC			STATUS	Channel			
				Peak Search	10:23:56 PM Jan 08, 2018	ALLON OFF	SENSE INT	pt SA DC	pectourn Analyzen Swept RF 58-0	
				NextPeak	r1 4.693 8 GHz -30.27 dBm	Avg Type: Log-Pwr Mki	Trig: Free Run #Atten: 30 dB	PNO: Fast IFGain:Low	Ref Offset 15 dE	
					-30.27 aBm				Ref 35.00 dB	dB/div
				Next Pk Right	-30.27 dBm				Ref 35.00 dB	
				Next Pk Right Next Pk Left	-30.27 dBm				Ref 35.00 dB	
					-50.27 dBm				Ref 35.00 dB	0 0 0
				Next Pk Left						0 0 0 0
				Next Pk Left Marker Delta						
				Next Pk Lett Marker Delta MkrCF					Ref 35.00 dB	dB/div



		_	and 4 width: 15 MH	LTE B	Chann					
	20175	z Channel	width: 15 MH	el Band	Channe	20025	Channel			
Peak Search	10-28-36 RM 100 2018	SENSE INT	keynight Spectrum Analyzen Swept SA (1) RL RF 50:0 SC	Peak Search	10:40:24 PM Jan 08, 2018	ALIGN OFF	SENSE INT	54 9C	ectourn Analyzen Swept S 9F 50 0 D	RL
NextPe	Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TYPE H WWWWW Call P H H N N AWR THAN N Mkr1 4.711 3 GHz -30.03 dBm	PNO: Feet Trig: Free Run PRO: Feet Trig: Free Run IFGein:Low #Atten: 30 dB	Marker 1 4.711335566771	NextPeak	r1 8.895 6 GHz -30.16 dBm	Avg Type: Log-Pwr	Trig: Free Run #Atten: 30 dB	PNO: Fast G	8.8956447822 Ref Offset 15 dB Ref 35.00 dBr	dB/div
Next Pk Ri			25.0	Next Pk Right					1	5.0
Next Pk L			15.D 5.00	Next Pk Left						5.0 00
Marker D	561-1300 dBr		-15.0	Marker Delta	0(1 -13,00 dBin,					1.0
Mkr→		1	-25.0	Mkr→CF		والارتجاب والمراجع			, tomate	.0
Mkr→Ref			-45.0	Mkr→RefLvi						5.0
M	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	550 Start 1.000 GHz #Res BW 1.0 MHz	More 1 oF2	Stop 10.000 GHz 1.3 ms (20000 pts)	#Sweep 50"	BW 3.0 MHz	#VBV	0 GHz 1.0 MHz	tart 1.00 Res BW
	is fatus		MSC			STATUS	Channel			c <mark>.</mark>
				Peak Search	10:28:20 PM Jan 08, 2018	ALLIGN OFF	SENSE INT	24.	ectrum RAsigner Swept S RF 5610 D	
				NextPeak	r1 9.113 0 GHz -30.02 dBm	Avg Type: Log-Pwr	Trig: Free Run #Atten: 30 dB	PNO: Fast G	9.1130056502 Ref Offset 15 dB Ref 35.00 dBr	dB/div
				Next Pk Right					1	5.0
				Next Pk Left						5.0 00
										i la se
				Marker Delta	0(1 - 13,00 aBm					5.0
				Marker Delta Mkr→CF	0(1-13.00 dife 1					0 0
				- 73.2	1	-	-			.a .a .a
				Mkr⊶CF	51-1300 de 1					1.00



		I_		LTE B	Ohanna					
	20175	Channel	width: 20 MH	el Band	Channe	20050	Channel			
- 3-	1 4 11 CALVIER 10-12-206 PM Ten 09 2019	SENSE INT	keysight Spectrum Analyzer Swept Sa	- 2 🕰	10:44:37 PM Jan 08, 2018	ALLON OFF			ectourn Analyzen Simpt Sa	køysight Spe
Peak Search Next Pe	Avg Type: Log-Pwr TBCC 1 2 3 4 5 6 TPC 1 2 3 7	0 GHz PNC: Fast Trig: Free Run IFGein:Low #Atten: 30 dB	Marker 1 4.700085004250	Peak Search Next Peak	TRACE 1 2 3 4 5 6 TYPE HINNIN SET PININNIN 4.701 0 GHz -30.64 dBm	Avg Type: Log-Pwr	Trig: Free Run #Atten: 30 dB	PNO: Fast (IFGain:Low	4.7009850492 Ref Offset 15 dB Ref 35.00 dBm	dB/div
Next Pk Ri			25.0	Next Pk Right					1	á –
Next Pk L			5.00	Next Pk Left						
Marker D	5(1)-13,00 dBm		-16.0	Marker Delta	0(1 -13.00 dBm					0
Mkr-			-25.0	Mkr→CF	and the state of the	والمحمد والمحمد وعدر والمراجع			1	
Mkr→Ref			-45.0	Mkr→RefLvi						
M	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	#VBW 3.0 MHz	550 Start 1.000 GHz #Res BW 1.0 MHz	More 1 oF2	Stop 10.000 GHz 1.3 ms (20000 pts)	#Sweep 50:	BW 3.0 MHz	#VB	00 GHz 1.0 MHz	art 1.00
	ATUS		MSC			STATUS	Channel			
				Peak Search	10:42:15 PM Jan 08, 2018	ALLON OFF	SENSE: INT		ectourn Analyzen Swept Sa RF 5010 00	keysiget Spe R.L
				NextPeak	r1 4.706 8 GHz -30.49 dBm	Avg Type: Log-Pwr Mkr	Trig: Free Run #Atten: 30 dB	PNO: Fast (IFGain:Low	4.7058353417 Ref Offset 15 dB Ref 35.00 dBm	
					-30.49 UBIII L			-	Rei 33.00 ubit	dB/div
				Next Pk Right	-30.49 GBM				Ker 33.00 dBit	
				Next Pk Right Next Pk Left	-30.49 (IDII)					a
					50,49 dBm					0 0 0
				Next Pk Left						
				Next Pk Left Marker Delta						
				Next Pk Lett Marker Delta MkrCF						a a a a a a a a a a a a a a a a a a a



10GHz ~ 26.5GHz

								LTE B										
						Cha	anne	el Band	width	: 1.4	MHz							
		(Chanı	nel 19	9957							(Chan	nel 2	0175			
RL RF	lyzen Swept Sa Tisaia DC		SENSE	INT	A ALIGN	OFF 10:25:27 PM.	in 08, 2018		keysight Sp	RE 50 C	eept.SA		SENS	EDIT	ALIGN	FF 10:24	29 PM Jan 08, 2018	- 2
larker 1 25.82		DNO: East C.	Trig: Free R	Av	g Type: Log-	-Pwr TRACE	1 2 3 4 5 6 P NNNN N	Peak Search	Marker 1	25.513250	D	NO: Fost C.	Trig: Free	Run	g Type: Log-f	wr	TRACE 1 2 3 4 5 6 TYPE N WWWW DET P N N N N	Peak Search
Ref Of 0 dB/div Ref 3	fset 15 dB 15.00 dBm	FGain:Low	#Atten: 30 d			Mkr1 25.829	1. S.	NextPeak	10 dB/div	Ref Offset 18 Ref 35.00	5 dB	Gain:Low	#Atten: 30	08	,		513 3 GHz 26.77 dBm	NextPea
5.0				_				Next Pk Right	25.0									Next Pk Rig!
5.0 .00								Next Pk Left	15.D 5.00									Next Pk Le
5.0						EL.	1-13,00.4 0 %	Marker Delta	-16.0								(LL) -13(0) dBm	Marker Del
5.0	الم الم					a second a sufficience of	1	Mkr→CF	-25.0					ور باد ادهمون	للغاف والدينا وسرو		1	MkrC
5.0								Mkr→RefLvi	-35.0									Mkr→RefL
60								More 1 of 2	-55.0.									Mo 1 of
tart 10.000 GH: Res BW 1.0 MH	2 12	#VBW	V 3.0 MHz		#Sweep	Stop 26.5 p 501.3 ms (20	00 GHz 000 pts)		Start 10.0 #Res BW	00 GHz 1.0 MHz		#VBW	/ 3.0 MHz			501.3 m	26.500 GHz s (20000 pts)	
Neysight Spectrum Ana	lyzet Swept Sa	(Chan	nel 20	0393													
arker 1 26.03	3851692585	GHz PNO: Fast G FGain:Low	Trig: Free R #Atten: 30 d	un	g Type: Log-	Pwr TRACE TYPE CET	PNNNNN	Peak Search Next Peak										
dB/div Ref 3	fset 15 dB 15.00 dBm					Mkr1 26.033 -26.1	9 GHz 9 dBm	Nextreak										
5.0								Next Pk Right										
5.0 00								Next Pk Left										
6.0	_						1 -13,00.4 0 %	Marker Delta										
5.0	all a subscription	- 18/14, 1844 (an and a second state			1 برفدمانی	Mkr→CF										
								Mkr→RefLvl										
art 10.000 GH	2				_	Stop 26.5	00 GHz	More 1 of 2										
Res BW 1.0 MH	łz	#VBW	V 3.0 MHz		#Sweej	p 501.3 ms (20 Marius	000 pts)											
000 GH	z iz	#VBW	V 3.0 MHz		#Swee	p 501.3 ms (20	00 GHz 000 pts)	1 of 2										



					Chan	LTE B			<u></u>					
		(Channe	el 19965		nel Band	wiatr	1:3 N	/IHZ	Ch	anne	20175		
RL	um Analyzer Soupt SA RF 50:0 DC		SENSE INT	ALIGN	OFF 10:29:16 PM Jan 08, 2018	Peak Search	DI RL	etoum Analyzer - Si RF - 50 (0 90		SENSE INT!	ALIGN TO	FF 10:27:45 FM Jan 08, 2018	Peak Search
F	6.0569528476 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-	Pwr TFACE 1 2345 6 TYPE WWWW GET P NNNN Mkr1 26.057 0 GHz -26.65 dBm	NextPeak		Ref Offset 1 Ref 35.00	6 dB	Trig	Free Run m: 30 dB	Avg type: Log-P	Wr TRACE 1 2 3 4 5 6 TYPE IN WINN DET P NNRNN Ikr1 26.394 4 GHz -26.24 dBm	NextPo
5.0						Next Pk Right	25.0							Next Pk Ri
5.D. 00						Next Pk Left	15.0 5.00				-			Next Pk l
.0					0(1-1300 d 9 4	Marker Delta	-5.00						DL1 -13,00 dBm	Marker D
o malent	1	(41)				Mkr→CF	-25.0			NUMBER OF			م منابع الم	Mkr-
						Mkr→RefLvi	-45.0							Mkr→Rel
art 10.000) GHz 0 MHz	#VBM	/ 3.0 MHz	#Sweet	Stop 26.500 GHz p 501.3 ms (20000 pts)	More 1 of 2	-55.0 Start 10.00 #Res BW	00 GHz		#VBW 3.0 P	1H7	#Sweep	Stop 26.500 GHz 501.3 ms (20000 pts)	M
					efailus		MSC						MUS	
RL	um Analyzen Swept Sa RF 5810 DC	1	SENSEITNT	ALIGN	UEE 10:25:43 PM Jan 08 2018	Peak Search								
F	5.5561528076 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast G	Trig: Free Run #Atten: 30 dB	Avg Type: Log-	Pwr TRACE 1 2 3 4 5 6 TYPE M WANNE CET P NNNN Mkr1 25.556 2 GHz -26.41 dBm	NextPeak								
dB/div F						Next Pk Right								
i.D						Next Pk Left								
0					DL1-13.00 dBm	Marker Delta								
0		and the second second second	مناد استدارهم و	talian Maria di Mari		Mkr→CF								
0 ****** *					Wind 2	Mkr→RefLvi								
						More								
art 10.000			-		Stop 26.500 GHz	1 of 2								



					Chang	LTE B		<u> </u>	_					
			Channe	el 19975	Chanr	nel Band	wiath:	5 MHZ		hanne	20175			
RL	ectourn Analyzer - Sinept Sa 1965 - 150-10 - 50		SENSE DIT	ALIGN OF	F 10:23:07 PM Jan 08, 2018	Peak Search	keysight Spectrum	58 0 . OC		SENSE DIT	ALIGN OF	F 10:21:37 PA	MJan 08, 2018	Peak Search
arker 1	26.079228961 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast C (FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pi	kr1 26.079 2 GHz -25.47 dBm	NextPeak	Marker 1 23. Ref 10 dB/div Ref	Offset 16 dB 35.00 dBm	DNO-East C.D.	Trig: Free Run ≇Atten: 30 dB	Avg Type: Log-Pv	kr1 23.76	1 7 GHz 03 dBm	NextPe
5.0						Next Pk Right	25.0							Next Pk Ri
5.D.						Next Pk Left	15.D 5.00							Next Pk L
					DL1-1330 484	Marker Delta	-16.0						051 -13,00 dBH	Marker D
.a		andresistica in sures, o	ويتعارفه والمراجع	the decision of the state	all de la constant de	Mkr→CF	-25.0		tilling of the state	المسلحا للاحداد	والاسترباد ورور وروا	1. 	-	Mkr-
5.0						Mkr→RefLvi	-35.0							Mkr→Ref
art 10.0	00 GHz			-	Stop 26.500 GHz	More 1 of 2	-55.0 Start 10.000 G	iHz			1 - Contraction	Stop 26.	.500 GHz	M
Res BW	1.0 MHz		W 3.0 MHz	#Sweep	501.3 ms (20000 pts)		#Res BW 1.0 I	VIHZ	#VBW :	3.0 MHz	#Sweep	501.3 ms (2	0000 pts)	
keysight Spe	ectourn Analyzen Swept SA		Channe		F 10:30:27 PM Jan 08, 2018	- 4 -								
arker 1	24.099954997 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast C IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Log-P	kr1 24.100 0 GHz -26.62 dBm	Peak Search Next Peak								
dB/div	Rel 35.00 (IBI)				LU.UL UDIN	Next Pk Right								
5.0		-				Next Pk Left								
00					DL1 -13.00 dBin	Marker Delta								
1.0				1	T	Mkr→CF								
0	A ALL ADARD & MAND					Mkr→RefLvi								
		-	1 1			WIKI -Ker LVI								
i0 i0 i0						More 1 of 2								





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			Chann	el 20025	Chann	el Band	viati	n: 15	MHZ		hannol	20175		
Nevroant Spe	ectourn Analyzet - Siner	154	Chann	el 20025			keysoht 9	pectourn Analyzer	Sourt SA	<u> </u>	nanne	20175		- 24
larker 1	26.3968698 Ref Offset 15 c	9C 43492 GHz PNO: Fast (FGain:Lov	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pw	1 26.396 9 GHz	Peak Search Next Peak	Marker	Ref Offset	35356768 (F 15 dB	DNO: East C.D.	SENSE INT Trig: Free Run #Atten: 30 dB	Aug Type: Log-f	Mkr1 25.707 1 GHz	Peak Search Next Pe
dB/div	Ref 35.00 d	Bm	1		-26.60 dBm		10 dB/div	Ref 35.00	0 dBm	1	1	1	-26.37 dBm	-
5.0						Next Pk Right	25.0		-					Next Pk Ri
5.0 00						Next Pk Left	15.0 5.00							Next Pk L
					0(1-13)0 dBe	Marker Delta	-16.0						041-13,00 dBin	Marker D
a				ad departments are able to all with the		Mkr→CF	-16.0				الراهينيني أسريتهم	المراجع والمراجع والمراجع	Alastide Million a Andrew	Mkr-
a 1111						Mkr→RefLvi	-36.0	www.						Mkr→Ref
art 10.0	00 CH2				Stop 26.500 GHz	More 1 of 2	-55.0 Start 10.	000 CH2					Stop 26.500 GHz	M
Res BW	1.0 MHz	#V	BW 3.0 MHz	#Sweep :	501.3 ms (20000 pts)		#Res BW	1.0 MHz	_	#VBW 3	.0 MHz		501.3 ms (20000 pts)	
			Chann	el 20325										
RL	RF 58.0	90	SENSE IN	ALIGN OFF	10:28:54 PM Jan 08, 2018	Peak Search								
dB/div	26.0817040 Ref Offset 15 c Ref 35.00 d	PNO: Fast IFGain:Lov	Trig: Free Run #Atten: 30 dB		TRACE 1 2 3 4 5 6 TYPE NUMBER SET P NUMBER S	NextPeak								
5.0						Next Pk Right								
5.0														
00						Next Pk Left								
6.0					DL1 -13.00 dBm	Marker Delta								
5.0				nakaharin in hili		Mkr⊸CF								
						Mkr→RefLvi								
5.0						_								
50 50 tart 10.0					1. 1. 1. 1. A. A.	More 1 of 2								



			Chann	LTE B		20 MI					
	Channe	20050	Channe	el Band ^y	viath:	20 101		hanne	20175		
Neysight Spectrum Analyzet Swep R.L PF 58 C	DC SENSE INT		10:45:20 PMJan 08, 2018	Peak Search	keysight Spectrum	F 590 SC		SENSE INT		10:43:55 PMJan 08, 2018	Peak Search
Ref Offset 15 d Ref Offset 15 d Ref 35.00 d	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB		1 25.500 9 GHz -26.65 dBm	NextPeak	Re	4471973598 1 Offset 16 dB 2 35.00 dBm	DNO-East C.D	Trig: Free Run #Atten: 30 dB		kr1 26.447 2 GHz -26.37 dBm	NextPo
0				Next Pk Right	25.0						Next Pk Ri
0				Next Pk Left	5.00						Next Pk l
0			DL1 -13/00 48H	Marker Delta	-16.0					0L1-13.00 dBe	Marker D
	والتقوير المعالم وير ومعالين ومعاملتها أو	an a		Mkr→CF	-25.0	andar a stal				and the second	Mkr-
0				Mkr→RefLvi	-45.0	and the second					Mkr→Ref
art 10.000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	#Swaap 60	Stop 26.500 GHz 1.3 ms (20000 pts)	More 1 of 2	Start 10.000 (#Res BW 1.0	GHz	#\/BW	3.0 MHz	#5waan	Stop 26.500 GHz 501.3 ms (20000 pts)	M
	Channe	STATUS	1.0 m3 (20000 pt3)		MBC	11012		5.0 11112	interpretation in the second s		
Naysight Spectrum Analyzer Swep R.L RF 53 0	DC SENSE: INT	ALIGN OFF	10:42:44 PM Jan 08, 2018	Peak Search							
Ref Offset 15 d Ref Offset 15 d Ref 35.00 dE	PNO: Fast Thg: Free Kun IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr Mkr	1 26.429 9 GHz -26.62 dBm	NextPeak							
ů				Next Pk Right							
0				Next Pk Left							
0			041 - 13,00 dBin	Marker Delta							
0		والمور والحر وروس والمراجع	1	Mkr→CF							
0				Mkr→RefLvi							
a				More 1 of 2							
art 10.000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	Same a	Stop 26.500 GHz 1.3 ms (20000 pts)	1012							



30MHz ~ 1GHz

			Channe	a Banov	width: 1.4 N				
	Channe	23017	Unanne	JI Balla		Channe	I 23095		
Ref Offset 16 dB Ref 35.00 dBm	5 MHz PNO: Fast IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	1048:10 PM Jan 08, 2018 TRACE[1 2 3 4 5 6 TOPE I WWWWW CET P NNNN 17 718.49 MHz -33.23 dBm	Peak Search Next Peak	Aeyapt Spectaum Analyzer Sear RL 925.9367961 Marker 1 925.9367961 Ref Offset 15 d 10 dB/div Ref 35.00 dB Log	BAO MHZ PNO: Fast IFGainLow B	Avg Type: Log-Pwr	10:48-30 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN Kr1 925.94 MHz -36,81 dBm	Peak Search Next Pea
50				Next Pk Right	25.0				Next Pk Rig
00				Next Pk Left	500				Next Pk L
5.0			DL1 -13,00 dBm	Marker Delta	-16.0			041 -13,00 dBm	Marker De
0		↓ ¹		Mkr→CF	-25.0			↓ 1	Mkr→
	Manahan belahing a sing ding sin	water and the statement		Mkr→RefLvi	-45.0	n instrum de stingte offen de state de lande and state de lande			Mkr→Refl
art 0.0300 GHz			Stop 1.0000 GHz	More 1 of 2	-55.0.			Stop 1.0000 GHz	M
es BW 1.0 MHz	#VBW 3.0 MHz	#Sweep 501	.3 ms (20000 pts)		Start 0.0300 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz		1.3 ms (20000 pts)	_
tes BW 1.0 MHz	#VBW 3.0 MHz Channe	#Sweep 501				#VBW 3.0 MHz	#Sweep 50	1.3 ms (20000 pts)	
Regard Spectram Religner, Swert Sc. RL 90 190 190 190 riker 1 745.313765688 Ref Offset 15 dB	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr		Peak Search Next Peak		#VBW 3.0 MHz		1.3 ms (20000 pts)	
Asset Tradem Andre Sent G. Ref 1 745.313765688 dB/div Ref Offset 15 dB Ref 35.00 dBm	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr	.3 ms (20000 pts)	Peak Search		#VBW 3.0 MHz		1.3 ms (20000 pts)	
Najount Spectrum Radiuter Sweet SA RL 90 90 90 90 rrker 1 745,313765688 Ref Offset 15 dB	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr	.3 ms (20000 pts)	Peak Search Next Peak		#VBW 3.0 MHz		1.3 ms (20000 pts)	
Respect Spectra Dilatoper Countries 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr	.3 ms (20000 pts)	Peak Search Next Peak Next Pk Right		#VBW 3.0 MHz		1.3 ms (20000 pts)	
All and the second seco	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr	.3 ms (20000 pts)	Peak Search Next Peak Next Pk Right Next Pk Left		#VBW 3.0 MHz		1.3 ms (20000 pts)	
Ref Offset 15 dB Ref Offset 15 dB Ref 076set 15 dB Ref 076set 15 dB ref 35.00 dBm	Channe Stree Inf B MHz PHOL feat Trig: Free Run PFGainLow Trig: Free Run PFGainLow Trig: Stree Run	#Sweep 501. I 23173 Avg Type: Log-Pwr	.3 ms (20000 pts)	Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta		#VBW 3.0 MHz		1.3 ms (20000 pts))	



			1-		LTE Bar	Charry				
	22005	Channel		n: 3 M	el Bandv	Chann	2025	Channel		
-			54	pectourn Analyzen Swep					Analyzen Swept SA	Keysight Specto
DIB Peak Se	Avg Type: Log-Pwr	Trig: Free Run	PNO: Fast C.	1 737.9898994	Peak Search	TRACE 1 2 3 4 5 6 TVPE M WWWWW DET P N N N N	vg Type: Log-Pwr	Trig: Free Run	598979949 MH 598979949 MH	
Hz Ne:	Mkr1 73 -3	#Atten: 30 dB	IFGain:Low	Ref Offset 15 d Ref 35.00 de	Next Peak	729.60 MHz -34.75 dBm	Mkr	#Atten: 30 dB	Offset 15 dB 35.00 dBm	dB/div F
Next P					Next Pk Right		1			5.0
Next					Next Pk Left					5.0, 00
an Marka					Marker Delta	DL1 -17.00 dBH				50
					Mkr→CF					5.0
Mkr-	والسينانية المعميسه	i de la constal de la const		anter anter anter a	Mkr→RefLvi	and the second	and Winnings	distantini bergin dar tikka	n and the desident of the	5.0 5.0
	Stop				More 1 oF2					50
				300 GHz	2	op 1.0000 GHz	S			art 0.0300
its)	#Sweep 501.3 ms	W 3.0 MHz	#VBV	300 GHz / 1.0 MHz	2	op 1.0000 GHz ms (20000 pts)	#Sweep 501.3	N 3.0 MHz		art 0.0300 Res BW 1.
its)	#Sweep 501.3 ms	W 3.0 MHz	#VBV		1 1	op 1.0000 GHz ms (20000 pts)	#Sweep 501.3	N 3.0 MHZ Channel	VIHz	Res BW 1.
ots)	#Sweep 501.3 ms	W 3.0 MHz	#VBV		2	ms (20000 pts)	#Sweep 501.3 Status 3165		MHz	Res BW 1.
tts)	#Sweep 501.3 ms	W 3.0 MHz	#VBV		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ms (20000 pts)	#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr	Channel	MHz	Res BW 1.
ts)	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search	ms (20000 pts)	#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	Res BW 1.
ts	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search Next Peak	ms (20000 pts)	#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	keynight Specia Ri arker 1 7-
15	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search Next Peak Next Pk Right	ms (20000 pts)	#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	Asympt Spece
15	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search Next Peak Next Pk Right Next Pk Left	ms (20000 pts) [#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	Anymost Special
	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta	ms (20000 pts) [#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	Asympt Spectra RL
15) 	#Sweep 501.3 ms	W 3.0 MHz	#VBV		Peak Search Next Peak Next Pk Right Next Pk Left Marker Deta MkrCF	ms (20000 pts) [#Sweep 501.3 erarus 3165 ALIGN OFF 13 vg Type: Log-Pwr		VHz Analyzer Swyt 54 590 DC .664683234 MH IF Offset 15 dB	Asympt Special BL Control



TE Band 12	
I Bandwidth: 5 MHz Channel 23095	
	- 4
Peak Search Marker 1 738.571928596 MHz Avg Type: Log-Pwr TRACE 1 2 3 4 5	Peak Search
High Test Trig: Free Run Trig: Free Run Trig: Tr	z NextP
Next Pk Right	Next Pk R
Next Pk Left 500	Next Pk
Marker Detta	MarkerD
Mkr-CP 30	Mkr-
So utanting the second of the	Mkr→Rel
More 1 of 2 Start 0.0300 GHz Stop 1.0000 GH	Ň
#Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 501.3 ms (20000 pt ws)
Peak Search	
Next Peak	
lext Pk Right	
Next Pk Left	
Marker Delta	
MkrCF	
MkrRefLvi	
More	



LTE Band 12	N MU I
Channel Bandwidth: 10	
Channel 23060	Channel 23095
SENSE INT da 41.04 OFF 11058-46 FM Jan 08, 2015 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 D Feat Can Trig: Free Run	PNO: Fast Trig: Free Run
Mkr1 736.10 MHz NextPeak Ber offs	FGainLow #Atten: 30 dB ≥207 min.text set 16 dB Mkr1 735, 66 MHz Next Pr .00 dBm -34,50 dBm
Next Pk Right	Next Pk Ri
Next Pk Left 500	Next Pk i
500 510 	K1-1780.66 Marker D
Mkr-CP 30	Mkr-
a million and the million hand at a constant of the second strategy with the second strategy of the second strateg	
Stop 1.0000 GHz 1 of 2	Stop 1.0000 GHz
#VBW 3.0 MHz #Sweep 501.3 ms (20000 pts) #Res BW 1.0 MHz	z #VBW 3.0 MHz #Sweep 501.3 ms (20000 pts)
Avg Type: Log-Pwr TRACE[2 - 3 - 9 Peak Search Tric: Free Run S0 dB State: 30 dB S	
-34.37 dBm	
Next Pk Right	
Next Pk Left	
Next Pk Left	
Sil-1100.4th	
Marker Deta	



		LTE Ba					_
	Channe	el Band	width: 1.4 MF	łz			
Chann	el 23017			Channe	23095		
Wright Spectrum Example: Series Sile RL	T 40,42,04,0FF 10,449,24 RM,2an 08,2018 Avg Type: Log-Pwr TFACE[1: 2: 3: 4: 5: 6 TYPE: Log-Pwr DEP N N N N	Peak Search	Algunght Spectoum Rollysen Swept SA Rel RF 56-9 OC Marker 1 4.69558477923	9 GHz PNO: Fast Trig: Free Run #GainLow #Atten: 30 dB	Avg Type: Log-Pwr	10:48:49 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE IM WWW DET P N N N N N	Peak Search
Ref Offset 15 dB dB/div Ref 35.00 dBm	Mkr1 9.129 7 GHz -30.38 dBm	NextPeak	Ref Offset 15 dB 10 dB/div Ref 35.00 dBm	IFGain:Low writen: 30 bb		1 4.695 6 GHz -29.19 dBm	NextPea
		Next Pk Right	Log				Next Pk Rig
n 0		Next Pk Left	15.0 5.00				Next Pk L
α α	5(1-1500 d 5 m	Marker Delta	-15.0			01,1 -13,00 dBm	Marker De
		Mkr→CF	- 25.0	•1	مار میں اس		Mkr⊶C
		Mkr→RefLvi	45.0				Mkr→RefL
art 1.000 GHz es BW 1.0 MHz #VBW 3.0 MHz	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	More 1 of 2		#VBW 3.0 MHz	#Swoon 604	Stop 10.000 GHz 3 ms (20000 pts)	Mo 1 p
	el 23173		Mec Mec	PUBLIC S.O HAIL	status	5 m3 (20000 pt3)	
rker 1 1.967998399920 GHz PGainLow BGainLow BGainLow Atten: 30 dB gB/div Ref 35.00 dBm	Avg Type:Log-Pwr Trace: 2.3 + 5 F Trace: 2.3 +	Next Peak	-				
о п		Next Pk Left	-				
n		Next PK Leit	-				
		Marker Delta	x .				
	DL1 -13.00 dBis		-				
	E5-1700-08-	Mkr→CF					
	EL 1320.000	Mkr→CF Mkr→RefLvi	- - -				
0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000 000 000 000 000 000 000 000 000 00	Mkr→RefLvi More 1 of 2					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Stop 10.000 GHz	Mkr→RefLvi More 1 of 2					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000 000 000 000 000 000 000 000 000 00	Mkr→RefLvi More 1 of 2					



			Chann	LTE Band		2 MU	-				
	Channel	23025	Chann		width:	3 IVI 🗆		hannel	23095		
kayagét Spectouri Analyzer Salegt SA R.L. SF Start DC arker 14.70323516175	58 GHz PNO: Fast Trig: Free Run IFGain2.ow #Atten: 30 dB	Avg Type: Log-Pwr	0:52:31 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N	Peak Search Next Peak	Marker 1 8.3	Analyzen Swept SA F 5910 DC 5426771338	DNO East ()	SENSE INT Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pw	TRACE 1 2 3 4 5 6 TYPE NWWWWW DET P NNNNN	Peak Search Next Pe
dB/div Ref 35.00 dBm		MKr1	4.703 2 GHz -30.77 dBm		10 dB/div Re	f Offset 15 dB of 35.00 dBm	-			Mkr1 8.354 3 GHz -30.15 dBm	hun
ů				Next Pk Right	25.0						Next Pk Ri
0				Next Pk Left	15.0 5.00						Next Pk I
0			5L1 -13.00 dBH	Marker Delta	-16.0					04.1 -13.00 dēm	Marker D
	1		والمعالمة والمعالم	Mkr→CF	-25.0	(States also states.	ميد المار مر		Mkr-
				Mkr→RefLvi	-45.0						Mkr→Rel
art 1.000 GHz es BW 1.0 MHz	#VBW 3.0 MHz	St #Sweep 501.3	top 10.000 GHz ms (20000 pts)	More 1 of 2	Start 1.000 G #Res BW 1.0	Hz MHz	#VBW :	3.0 MHz	#Sweep	Stop 10.000 GHz 501.3 ms (20000 pts)	N 1
	Channel	STATUS			MSC				STAT		
		120100									
RL RF 5810 DC	SENSE INT	ALIGN OFF 10	0:50:14 PM Jan 08, 2018	Peak Search							
Bef Offset 15 dB	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	0.50:14 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE MANNAN DETP NANNAN 4.701 0 GHz -29.85 dBm								
rker 1 4.70098504925	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	4.701 0 GHz	Peak Search							
Rt 900 0C rker 14.70098504925 Bldiv Ref 35.00 dBm	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	4.701 0 GHz	Peak Search Next Peak							
Rt 090 900 rker rker 1 4,70998504925 geldiv Ref 35.00 dBm	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	4.701 0 GHz	Peak Search Next Peak Next Pk Right							
Ref Offset 15 dB (B/div Ref 35.00 dBm	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	4.701 0 GHz -29.85 dBm	Peak Search Next Peak Next Pk Right Next Pk Left							
Ref Offset 15 dB	52 GHz PNO: Fast Trig: Free Run IFFGainLow #Atten: 30 dB	Avg Type: Log-Pwr	4.701 0 GHz -29.85 dBm	Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta							



_				Chann	LTE Band		5 ML	7				
		Chanr	nel 23035	Chann	iel Band	wiath:			hanne	1 23095		
RL	Pectouri Enalyter Swept S4 94 59:0 50 1 8.10495524776	2 GHz	NT Avg Type: Log-Pwr	10:56:23 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE IN WWWWW DET P N N N N N	Peak Search	Akynight Spectrum A RL RF Marker 1 5.13	58 0 OC	6 GHz	SENSE INT	Aug Type: Log-Pv	TYPE NNNNN	Peak Search
0 dB/div	Ref Offset 15 dB Ref 35.00 dBm	IFGain:Low #Atten: 30 d	В	kr1 8.105 0 GHz -30.43 dBm	NextPeak	10 dB/div Ref	Offset 15 dB 35.00 dBm	PNO: Fast 🕞 IFGain:Low	#Atten: 30 dB		Mkr1 5.138 4 GHz -30.45 dBm	NextPo
5.0					Next Pk Right	25.0						Next Pk Ri
5.0					Next Pk Left	5.00						Next Pk L
60				0(1 -1 3.00 dBe.	Marker Delta	-16.0					043 -13,00 dBm	Marker D
5.0			Area of a standard second	1	Mkr→CF	-25.0			4			Mkr
5.0					Mkr→RefLvi	-35.0 -45.0	CALCULATION OF THE					Mkr→Ref
tart 1.00	00 GHz			Stop 10.000 GHz	More 1 oF 2	-55.0 Start 1.000 GH	z				Stop 10.000 GHz	M 1
Res BW	/ 1.0 MHz	#VBW 3.0 MHz	nel 23155	01.3 ms (20000 pts)		#Res BW 1.0 M	nHZ	#VBW	3.0 MHz	#Sweep	501.3 ms (20000 pts)	
keysget Sp R L	Pectoum Analyzen Simpt Sa RF 58-0 DC	Gildin		10:53:18 PM Jan 08, 2018	2 🕰							
arker 1	1 4.68928446422	PNO: Fast FGain:Low #Atten: 30 d	Avg Type: Log-Pwr B	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P NNNNN Kr1 4.689 3 GHz	Peak Search Next Peak							
dB/div	Ref Offset 15 dB Ref 35.00 dBm			-30.67 dBm								
i5.0					Next Pk Right							
- 1 L L L		_			Next Pk Left							
5.00												
				5(1-13.00 ages	Marker Delta							
00 00 1.0				251-1700 atin	Marker Delta Mkr→CF							
.00		m		551-13.00.004								
00 00 5.0 5.0				est da anti-	Mkr→CF							



			Chann	LTE Ba		M11-		
	Channe	23060	Cnanne	el Band	width: 10	Channe	1 23095	
Neysoft Spectrum Analyser Surg Sc RL 8F 90 0 0c Marker 1 6.95964798239 Ref Offset 15 dB Ref 35.00 dBm	99 GHz PHO: fast IFGain3.ow #Atten: 30 dB	Avg Type: Log-Pwr	10:59:16 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE IN WWWWW SET P MINN N Kr1 6.959 6 GHz -30.99 dBm	Peak Search Next Peak	Marker 1 4.69603 Rt 9:	Sent SA SB OF SC SENSE UNIT ABOIT 740 GHz PRO: Fast IFGainLow Trig: Free Run #Atten: 30 dB	d) #2.001 09F 105/81.2 FM Jan 08, 2018 Avg Type: Log-Pwr TRACE[1:2:3:4:5:6 TRACE[1:3:4:5:6 TRACE[1:3:4:5:6 Mkr1 4.696 60 GHz -30.45 GHz	Peak Search Next Pe
0 dB/div Ref 35.00 dBm				Next Pk Right	10 dB/div Ref 35.0			Next Pk Ri
5.00				Next Pk Left	5.00			Next Pk L
60			CL1 -13.00 dBm	Marker Delta	-15.0		D.(1-13,00 dBn;	Marker D
5.0		1		Mkr→CF	-25.0	1		Mkr-
5.0				Mkr→RefLvl	-45.0			Mkr→Ref
tart 1.000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep 50	Stop 10.000 GHz 11.3 ms (20000 pts)	More 1 of 2	55.0 Start 1.000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	Stop 10.000 GHz #Sweep 501.3 ms (20000 pts)	M
•••	Channel				MBC		STATUS	
	Channe	123130						
kaynet Spectson Anliger Swert 54 RL 95 599 0C larker 1 4.71403570178 Ref Offset 15 dB d B/d/W Ref 35.00 dBm	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	1057-32 PM 141 08, 2018 TRACE 1 2 3 4 5 6 TOPE MANNAN GEEP NN NN N Kr1 4.714 0 GHz -30.00 dBm	Peak Search Next Peak				
RL SF Sign Sc SC Jarker 1 4.71403570178 Ref 0ffset 15 dB Ref 0ffset 15 dB Ref 35.00 dBm	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN CET P NNNNN	Peak Search				
RL 2F 590 50 larker 1 4.71403570178 Ref Offset 15 dB	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN CET P NNNNN	Peak Search Next Peak				
at as bit open bit ope	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN CET P NNNNN	Peak Search Next Peak Next Pk Right				
Rt Set	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	rrsdc[1 2 3 4 5 6 1 rrsdc[1 2 3 4 5 6 1 col P RHANK rr 1 4.714 0 GHz -30.00 dBm	Peak Search Next Peak Next Pk Right Next Pk Left				
nt nt<	35 GHz PND: Fast IFGain2.ow Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	rrsdc[1 2 3 4 5 6 1 rrsdc[1 2 3 4 5 6 1 col P RHANK rr 1 4.714 0 GHz -30.00 dBm	Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta				



30MHz ~ 1GHz

							LTE B	and 13							
						Chann	el Ban	dwidth:	: 5 MH	lz					
		C	hanne	el 2320	5						Chann	el 232	30		
	RF 1580 30 RF 1580 30 48.999949998 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast CAN IFGain:Low	SENSE INT Trig: Free Run #Atten: 30 dB	Avg Type: L		11:17:34 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TOTEL WWWWW EET P NNNN N 171 749.00 MHz -34.89 dBm	Peak Search Next Peal	Marker 1 75		PNO: Fast (FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Ty		11:16:25 PM Jan 08, 2018 TRACE[1 2 3 4 5 6 TYPE]M WWWW DET P NNNN CET P NNNNN Kr1 752.78 MHz -35.22 dBm	Peak Search Next Pe
25.0					1		Next Pk Righ	25.0					1		Next Pk Rig
500							Next Pk Lef	5.00							Next Pk L
5.00						DL1-13.00 484	Marker Delta	-5.00						jūlji -13,00 dēm	Marker De
25.0					↓ ¹		Mkr→Cł	-25.0					♦ ¹		Mkr0
15.0 MARINE		and a constant of the		eren and and the	when have	delt til för berefter tiltet	Mkr→RefLv	-45.0	and the second	and a spine	and in such as here		n falaeite	separtite for the state of the	Mkr→RefL
tart 0.0300 Res BW 1.0	GHz	#\/BW	3.0 MHz	#5w	eep 501	Stop 1.0000 GHz 1.3 ms (20000 pts)	Mon 1 oF:	Start 0.0300 #Res BW 1.0	GHz	#\/E	W 3.0 MHz		Sween 50	Stop 1.0000 GHz 1.3 ms (20000 pts)	Ma 1 o
(63 DW 1.0	5 WU 12			el 2325	STATUS			MSC	i wa iz	Ψ.V.	W 5.0 Milz		status	1.5 ma (2000 pts)	
dB/div R	tef Offset 15 dB tef 35.00 dBm	8 MHz PNO: Fast C	1	1 1	Mk	TRACE 1 2 3 4 5 6 TYPE MUMMUM DET P NUMMUM 171 753.37 MHz -35.22 dBm	NextPeak								
odB/div R	tef Offset 15 dB tef 35.00 dBm		-		Mk	r1 753.37 MHz -35.22 dBm	Next Peal								
16.0					-		Next Pk Lef								
00						(0.1 - 13.00 dBm	Marker Delta								
5.0							Mkr→Cł								
5.0 Alifysold					lilie	utal kasa da garang tik	Mkr→RefLv								
55.0 Start 0.0300	GHz				-	Stop 1.0000 GHz	More 1 oF								
Res BW 1.0) MHz	#VBW	3.0 MHz	#Sw	eep 501	1.3 ms (20000 pts)									
				and 13											
	С	hanne				MHz									
	m Analyzen Swept Sa 22 58 d pc 53.365168258 tef Offset 16 dB tef 35.00 dBm	8 MHz PNO: Fast C	SENSE INT	el 2323	lgn off .og-Pwr	11:18:51 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWW ESTP N NN NN N r1 753.37 MHz -34.42 dBm	Peak Search Next Peal								

#VBW 3.0 MHz

Start 0.0300 GHz #Res BW 1.0 MHz Next Pk Righ

Next Pk Le

Marker Delta

Mkr-CF

Mkr-RefLv

More 1 of 2

¢1

Stop 1.0000 GHz #Sweep 501.3 ms (20000 pts)



			Chann	LTE Band	width: 5	MH7							
	Channel	23205	Chann				C	hanne	el 232	30			
Keyught Spectrum Analyzer Swept S4 RL RF 5910 OC	SENSE INT		18:07 PM Jan 08, 2018	Peak Search	RL RF Marker 1 4.70188	1 Seept SA 3810 OC	CU-	SENSE INT	- 1	_	11:16:59 PM3	an 08, 2018	Peak Search
Marker 1 8.87539376961 0 dB/div Ref Offset 16 dB Ref 35.00 dBm	PNO: Fast Thg: Free Kun IFGain:Low #Atten: 30 dB	Mkr1	8.875 4 GHz -30.56 dBm	NextPeak	Ref Offs	et 15 dB	PNO: Fast C	Trig: Free Run #Atten: 30 dB			kr1 4.701	9 GHz 1 dBm	NextPe
25.0				Next Pk Right	25.0								Next Pk Ri
15.0			_	Next Pk Left	15.0							-F	Next Pk L
500					5.00							ŀ	
16.0			0C1 -13.00 dBin.	Marker Delta	-16.0						ji.	3 -13.00 dBis	Marker D
5.0 5.0		ساسيم	A. Same	Mkr⊸CF	-25.0		ma	All and and and	ماريخه الماريخ	-		-	Mkr-
45.0				Mkr→RefLvl	-45.0				2000				Mkr→Ref
55.0				More 1 of 2	-55.0								M
Start 1.000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep 501.3 I	op 10.000 GHz ms (20000 pts)	-	Start 1.000 GHz #Res BW 1.0 MHz	-	#VBW	3.0 MHz	#	Sweep 50	Stop 10.0 01.3 ms (20	000 GH2 000 pts)	
	Channe	23255											
keynort Spectrum Analyser Swept Sa RL 97 59 0 50 Narker 1 3.65198259913	SENSE: INT	Avg Type: Log-Pwr	16:02 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M VANNAW DET P N N N N N	Peak Search									
Ref Offset 15 dB 0 dB/div Ref 35.00 dBm		Mkr1 3	3.652 0 GHz -30.41 dBm	NextPeak									
25.0				Next Pk Right									
5.0				Next Pk Left									
.00				Marker Delta									
16.0			50,1 -11,00 alties										
50	- Lun anti-	والمراجع والمرجع والمرجع	al al an anna la	Mkr→CF									
in the second second second second	and the second second	and the second second second	and the part of the										
45.0 111111111111111111111111111111111111				Mkr→RefLvi									
55.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0		Str	op 10.000 GHz	Mkr→RefLvi More 1 of2									
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	#VBW 3.0 MHz	Sto #Sweep 501.3	op 10.000 GHz ms (20000 pts)	More									
45.0		#Sweep 501.3	op 10.000 GHz ms (20000 pts)	More									
tart 1.000 GHz Res BW 1.0 MHz	LTE Ba	#Sweep 501.3	ms (20000 pts)	More									
tart 1.000 GHz Res BW 1.0 MHz		#Sweep 501.3	ms (20000 pts)	More									
an <u>him a line in the second s</u>	LTE Ba Channel Bandy Channel	#Sweep 501.3	ms (20000 pts) 1Hz	More									
	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	ms (20000 pts) 1Hz	Mare 1 of 2									
tart 1.000 GHz Res BW 1.0 MHz C Langet Sector Sager Source Langet Sector Source L	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	ms (20000 pts) IHz The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) See P (1, 2) A (1, 2	More 1 of 2									
	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	ms (20000 pts) IHz The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) See P (1, 2) A (1, 2	More 1 of 2 Pesk Search Next Peak									
	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	ms (20000 pts) IHz The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) See P (1, 2) A (1, 2	More 1 of 2 Peak Search Next Peak Next Pk Right Next Pk Left									
100 100 <td>LTE Ba Channel Bandy Channel Channel HOLTES</td> <td>#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4</td> <td>ms (20000 pts) IHz The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) See P (1, 2) A (1, 2</td> <td>More 1 of 2 Peak Search Next Peak Next Pk Right</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	ms (20000 pts) IHz The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) The (1, 2, 3, 4, 5) See P (1, 2) A (1, 2	More 1 of 2 Peak Search Next Peak Next Pk Right									
	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	1Hz 1Hz 1Hz 14 (2000 pts) 14 (2.2.4.5) 14 (2.2.4.5)	More 1 of 2 Peak Search Next Peak Next Pk Right Next Pk Left									
August Dettum Ranger Smith	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3 wind 13 width: 10 M 1 23230 Arg Type: Log.Pwr Mkr1 4	1Hz 1Hz 1Hz 14 (2000 pts) 14 (2.2.4.5) 14 (2.2.4.5)	More 1 of 2 Pesk Search Next Peak Next Pk Right Next Pk Left Marker Delta									
46.0 46.0 46.0 46.0 46.0 47.0	LTE Ba Channel Bandy Channel Channel HOLTES	#Sweep 501.3	1Hz 1Hz 1Hz 14 (2000 pts) 14 (2.2.4.5) 14 (2.2.4.5)	More 1 of 2 Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta MkrCF									



30MHz ~ 1GHz

							LTE Ba	and 17	7							
						Chann	el Banc	lwidth	n: 5 M	Hz						
		(Channe	el 2375	5						Char	nnel 2	3790			
RL	Pectoum Analyzer Suppt Sa RF 58:0 DC		SENSE: INT	办 和	GN OFF 11	:21:53 PM Jan 08, 2018	Deals Deauth	RL	RF 50-0	-DC -	SE	NSE: DNT	ALIGN C	017 11:21	1:13 PMJan 08, 2018	Death Occurring
	1 737.941397070 Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast C (FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Li		737.94 MHz -34.63 dBm	Peak Search Next Peak		740.512025 Ref Offset 15 d Ref 35.00 dB	PNO: Fast (FGain:Low	Trig: Free #Atten: 3	e Run 0 dB	Avg Type: Log-f	Mkr1 7	40.51 MHz 35.27 dBm	Peak Search Next Pi
dB/div							Next Pk Right	25.0			-					Next Pk Ri
5 D 00							Next Pk Left	15.D 5.00								Next Pk I
.0						(0L1-13/00-40H)	Marker Delta	-16.0							051 -1 <i>1,00 d</i> 9n.	Marker D
.0					1		Mkr→CF	-25.0					•	r.		Mkr-
	in a state of the second s		and the second secon		-	addate of strategic logist	Mkr→RefLvi	-45.0	shi ng dan sing	hald da . a . a de majore		alar address of the	internal balan	KELİŞİ çeliti		Mkr→Ref
art 0.0:	300 GHz		N 3.0 MHz		St	op 1.0000 GHz ms (20000 pts)	More 1 of 2	-55.0 Start 0.030 #Res BW 1	0 GHz		BW 3.0 MHz		-	Stop	o 1.0000 GHz is (20000 pts)	N
arker 1	Pettoum Analyzen Sunger Sa 9F 59 0 00 1 743.664683234 Ref Offset 15 dB	MHz PNO: Fast G IFGain:Low	Channe SENSE INT Trig: Free Run #Atten: 30 dB		GN OFF 11 og-Pwr	20.32 PM Jan 08, 2018 TRACE [2 3 4 5 6 TYPE [M MWWW DET P N N N N 743.66 MHz	Peak Search Next Peak									
dB/div	1 743.664683234	MHz PNO: Fast G IFGain:Low	SENSEINT	6 41	GN OFF 11 og-Pwr	TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N										
dB/div	1 743.664683234	MHz PNO: Fast G IFGain:Low	SENSEINT	6 41	GN OFF 11 og-Pwr	743.66 MHz	NextPeak									
Adjunct for R L 1 arker 1 dB/div 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1 743.664683234	MHz PNO: Fast G IFGain:Low	SENSEINT	6 41	GN OFF 11 og-Pwr	743.66 MHz	Next Peak Next Pk Right									
dB/div 9 0 0 0 0 0 0 0 0 0 0 0 0 0	1 743.664683234	MHz PNO: Fast G IFGain:Low	SENSEINT	Avg Type: L	Mkr1	743.66 MHz -34.41 dBm	Next Peak Next Pk Right Next Pk Left									
arker 1 99 5.0 5.0 00	1 743.664683234	MHz PNO: Fast G IFGain:Low	SENSEINT	Avg Type: L	GN OFF 11 og-Pwr	743.66 MHz -34.41 dBm	Next Peak Next Pk Right Next Pk Left Marker Delta									



		Chan	LTE Band		0 MU-				
	Channe			wiath:		Channe	22700		
Aeyught Spectrum Analyzen Swept Sa				📥 Keysight Spectrum Ar	ulyzen Swept Sa	Channe			- 3 ¹
Aarker 1 740.36651832	26 MHz PNO: Fast () Trig: Free Run	Avg Type: Log-Pwr TRACE 1 2 3 4 5 TYPE I WWWW DET P N N N N	Peak Search	Marker 1 742.	840142007 MH	12 Trig: Free Run	Avg Type: Log-Pwr	11:23:48 PM Jan 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N	Peak Search
Ref Offset 16 dB 0 dB/div Ref 35.00 dBm	IFGain:Low #Atten: 30 dB	Mkr1 740.37 MH: -35.14 dBn	Next Peak	Ref (10 dB/div Ref	if Statistics of the second se	PNO: Fast ♀ Trig: Free Run Gain:Low #Atten: 30 dB	Mkr	-34.49 dBm	NextP
25.0			Next Pk Right	25.0					Next Pk Ri
500			Next Pk Left	5.0					Next Pk l
5.00		0(1-1300 dB	Marker Delta	-16.0				0L1 -13,00 dBn	Marker D
25.0		1.	Mkr→CF	-25.0					Mkr-
45.0 11236 (1117) 1230 (1117)	Ministry and the printing of the sole	La destantin all aller a destanting the second	Mkr→RefLvl	-45.0		a service and the service of the ser	Anterio Constant	hitti ta ma maine	Mkr→Ref
50 tart 0.0300 GHz		Stop 1.0000 GH	More 1 of 2	-55.0 Start 0.0300 GH	łz		8	top 1.0000 GHz	M
Res BW 1.0 MHz	#VBW 3.0 MHz Channe	#Sweep 501.3 ms (20000 pts		#Res BW 1.0 M	HZ	#VBW 3.0 MHz	#Sweep 501.	3 ms (20000 pts)	
Keysight Spectrum Ensight - Swept Sa									
RL 84 500 50 larker 1 740.41502075	C SENSE INT	ALIGN OFF 11:22-48 PM Jan 08, 2016	The second second second						
		Avg Type: Log-Pwr TRACE 1 2 3 4 5	6 Peak Search						
Ref Offset 15 dB 0 dB/div Ref 35.00 dBm	Trig: Free Run PFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr Trace[12345 DepP r/NRN Mkr1 740.42 MH: -34.11 dBn	NextPeak						
o dB/div Ref 35.00 dBm	Position and and	Mkr1 740.42 MH	NextPeak						
Ref Offset 15 dB 0 dBidiv Ref 35.00 dBm 25.0 15.0 5.00	Position and and	Mkr1 740.42 MH	NextPeak						
0 dB/div Ref 35.00 dBm	Position and and	Mkr1 740.42 MH	Next Peak						
x Ref 35.00 dBm x x x x x x x x x x x x x x x x x x x	Position and and	Mkr1 740.42 MH; -34.11 dBn	Next Pk Right						
0 dB/div Ref 35.00 dBm 350	Position and and	Mkr1 740.42 MH; -34.11 dBn	Next Pk Right						
250	Position and and	Mkr1 740.42 MH; -34.11 dBn	Marker Delta Mir-CF Mir-CF						



							LTE Ba	and 17							
						Chanr	nel Band	width:	5 MHz						
		(Channe	el 237	55					C	hanne	1 2379	90		
R L Q	i Enalgate Sougat Sa IS Sera DC		SENSE INT		ALLIGN OFF	11:22:12 PM Jan 08, 2018	Peak Search	keynght Spectrum Ans R.L 25	lyzer Swept SA 58:0 DC	1	SENSEITNT		ALIGN OFF	11:21:31 PM Jan 08, 2018	Peak Search
Re	1493574678	PNO: Fast G	Trig: Free Run #Atten: 30 dB	Avg Typ	e: Log-Pwr Mkr	TRACE 1 2 3 4 5 6 TYPE M WWWWW GET P NNNN N		Marker 1 4.717 Ref 0	P IF	Hz PNO: Fast () FGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type		THACE 1 2 3 4 5 6 TYPE MANNAN DET P NNNNN	NextPea
odB/div Re	ef 35.00 dBm	-	1			-30.31 dBm		10 dB/div Ref 3	35.00 dBm	1	1	1	-	-30.59 dBm	000
5.0							Next Pk Right	25.0							Next Pk Righ
5.0							Next Pk Left	15.D 5.00							Next Pk Le
5.0						DL1 -13.00 dBm	Marker Delta	-16.0			_			DL3 -13,00 aBies.	Marker Del
5.0			1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	منتجريين وليريد		an an an an an an an an an an an an an a	Mkr⊸CF	-25.0			1-	alle is jumphic	يتنفر ري وقال	العميقية سه	Mkr⊸C
5.0 241444							Mkr→RefLvi	-45.0							Mkr→RefL
tart 1.000 Gi Res BW 1.0	Hz		V 3.0 MHz			Stop 10.000 GHz .3 ms (20000 pts)	More 1 of 2	-55.0 Start 1.000 GHz #Res BW 1.0 Mi			3.0 MHz			Stop 10.000 GHz 1.3 ms (20000 pts)	Mor 1 of
Re	50252512620	PNO: Fast G	Trig: Free Run #Atten: 30 dB		Mkr	1 4.050 3 GHz -29.96 dBm									
5.0	ef 35.00 dBm					20.00 0.01	Next Pk Right								
5.0 00							Next Pk Left								
						5L1 -13,00 atim	Marker Delta								
5.0		• ¹			1		Mkr⊸CF								
5.0							Mkr→RefLvi								
50 tart 1.000 G	Hz					Stop 10.000 GHz	More 1 of 2								
Res BW 1.0	MHz	#VBV	V 3.0 MHz	#5	Sweep 501.	.3 ms (20000 pts)									



					Chann	LTE Band			<u> </u>				
			hanne	el 23780		el Band	wiath:			Channe	el 23790		
RL	an Analyzer Swept SA 45 50 0 00 3.68843442172	1 GHz	SENSE INT	-	34 DFF 11:25:04 PM Jan 08, 2018	Peak Search	RL Marker 1 4.	n Frailper Swept Sa 9 50 0 50 5978348917	45 GHz	SENSE DIT	Avg Type: Log-	OFF 11:24:11 PM Jan 08, 2018	Peak Search
dB/div F	Ref Offset 15 dB Ref 35.00 dBm	PNO: Fast G IFGain:Low	#Atten: 30 dB	_	Mkr1 3.688 4 GHz -30.85 dBm	NextPeak	10 dB/div R	ef Offset 15 dB ef 35.00 dBm	PND: Fast C IFGain:Low	#Atten: 30 dB		Mkr1 4.697 8 GHz -30.09 dBm	NextPe
15.0						Next Pk Right	25.0						Next Pk Ri
5.00						Next Pk Left	15.0 5.00						Next Pk L
6.0					DL1 -13.00 dBn	Marker Delta	-16.0					DL1-13.00 dBe	Marker D
8.0 8.0		-	terne au		فالدعر والبقريين	Mkr→CF	-25.0			1	و معامل من الله	و جوالدُونيغ الموني و الدواليوني.	Mkr
15.0 100 100						Mkr→RefLvi	-45.0						Mkr→Ref
tart 1.000 Res BW 1.	GHz	#1/514	3.0 MHz	#5₩0	Stop 10.000 GHz ep 501.3 ms (20000 pts)	More 1 of 2	Start 1.000 C	GHz .	#1/81	V 3.0 MHz	#5woo	Stop 10.000 GHz p 501.3 ms (20000 pts)	M
					STATUS		M5C	MUIZ	PVD	5.0 WHZ		TATUS	
R.L	tsum Rhaligaet Surept SA. RF 50:10 DC		SENSE INT	-	21 OFF 11:23:20 PM Jan 08, 2018	- 2 -							
arker 1 3.	3.961598079904	4 GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Lo	G-Pwr TRACE 1 2 3 4 5 6 TOPE MWWWWW CET P N N N N	Peak Search							
dB/div F	Ref Offset 15 dB Ref 35.00 dBm	I GUILLOW			Mkr1 3.961 6 GHz -30.26 dBm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
15 O						Next Pk Right							
5.00						Next Pk Left							
.00					5(1 - 13.00 ativ.	Marker Delta							
6.0													
5.0		1-1-	استدر وسالمحكم		الداريد بالمنكف مرويا بدور عار	Mkr→CF							
5.0 5.0	in and the second second	-	Annalise a start and			Mkr→CF Mkr→RefLvi							
5.0 5.0 5.0 5.0 5.0 5.0		<u> </u>			<u>م مارت مارت میں معرفی میں معرفی میں معرفی میں معرفی میں معرفی میں معرفی میں معرفی میں معرفی میں معرفی میں معرف</u> Stop 10.000 GHz								



4.7 Radiated Emission Measurement

- 4.7.1 Limits of Radiated Emission Measurement
- a. The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission is equal to -13 dBm.
- b. For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz. The limit of emissions is equal to -40 dBm.

4.7.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15 dBi.

Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

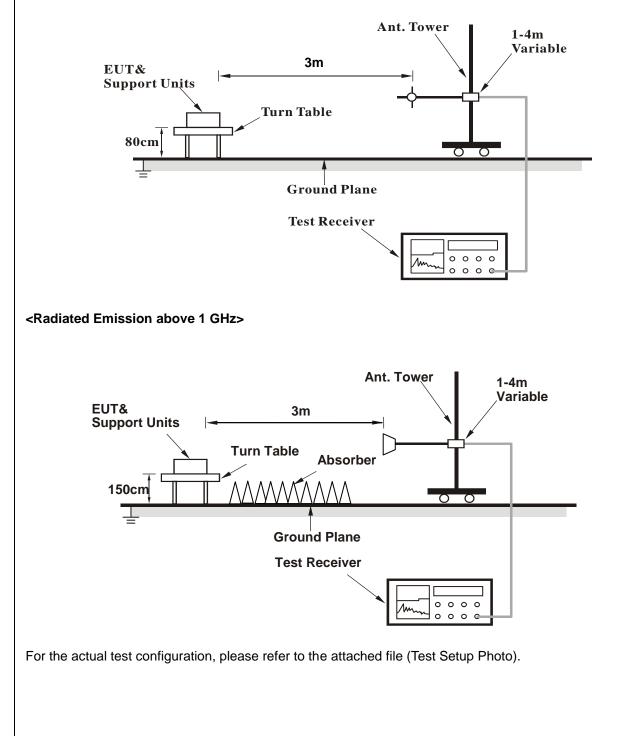
4.7.3 Deviation from Test Standard

No deviation.



4.7.4 Test Setup

<Radiated Emission below or equal 1 GHz>

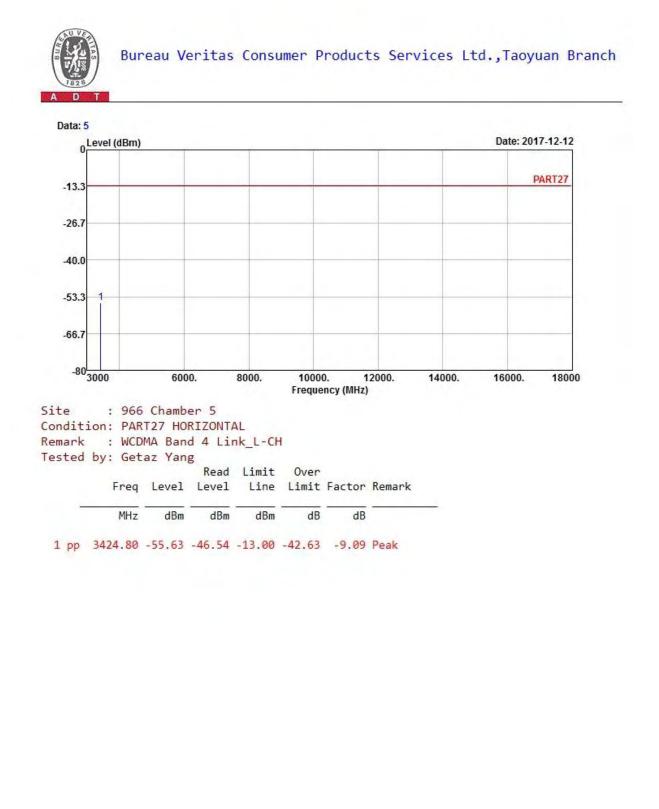




4.7.5 Test Results

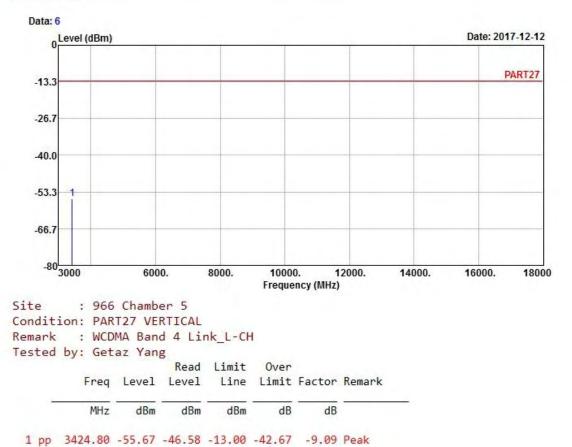
WCDMA:

Low Channel







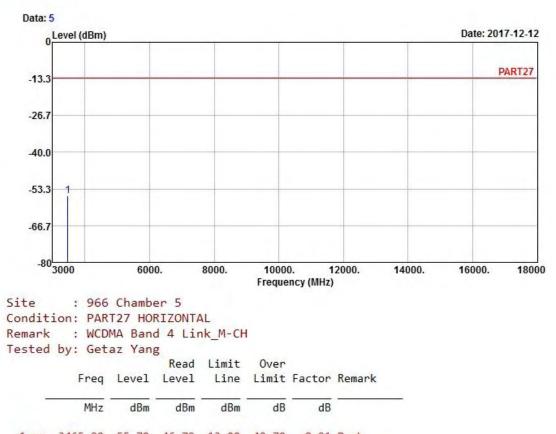




Middle Channel



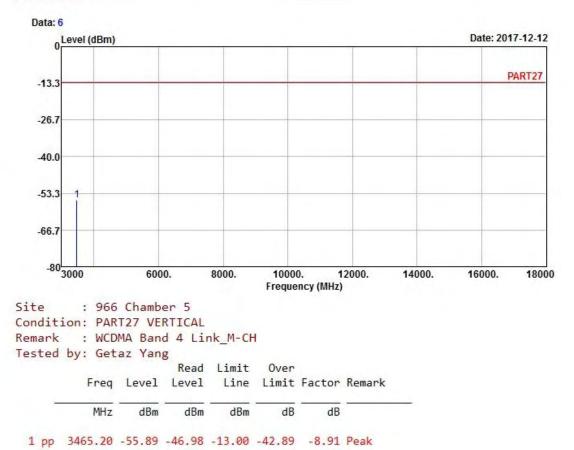
Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



1 pp 3465.20 -55.70 -46.79 -13.00 -42.70 -8.91 Peak



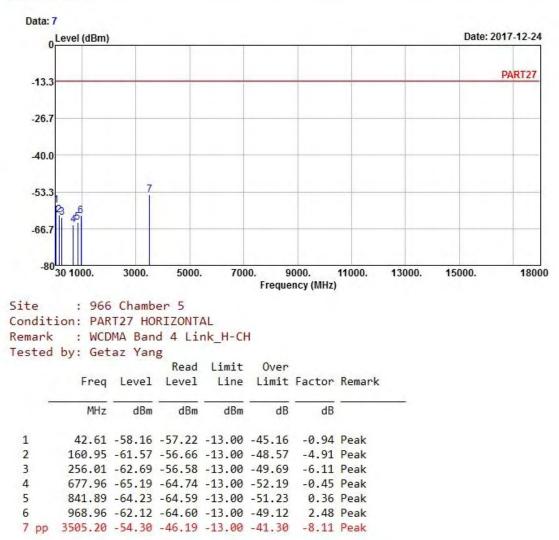






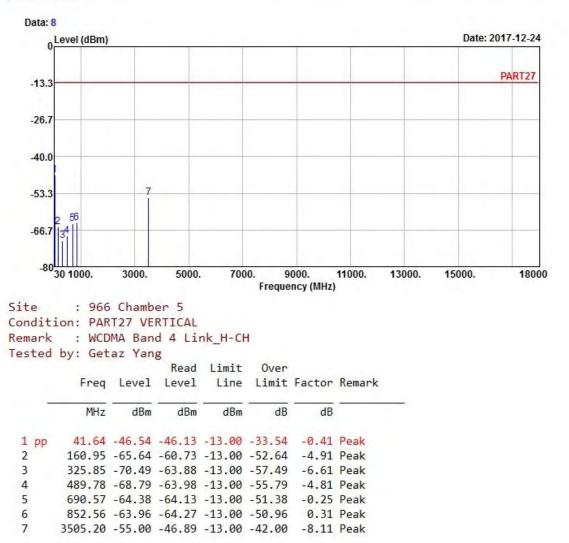
High Channel





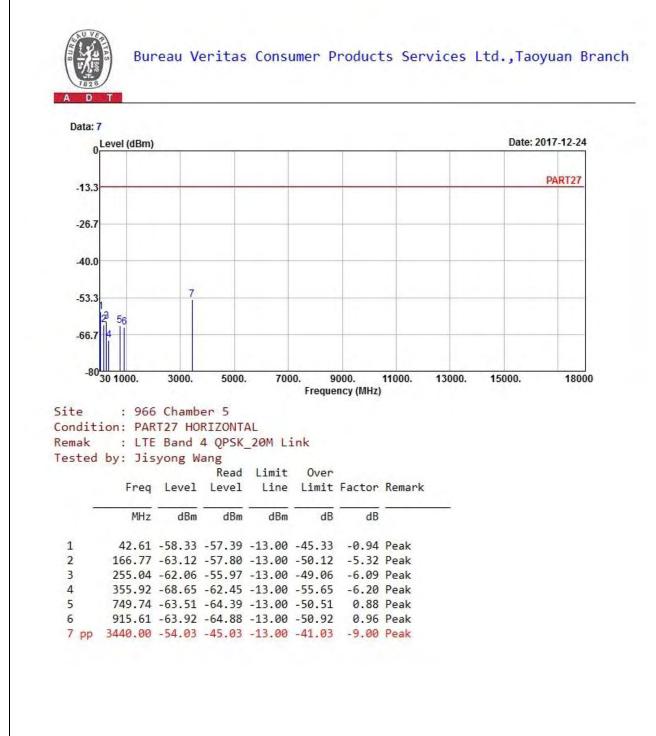






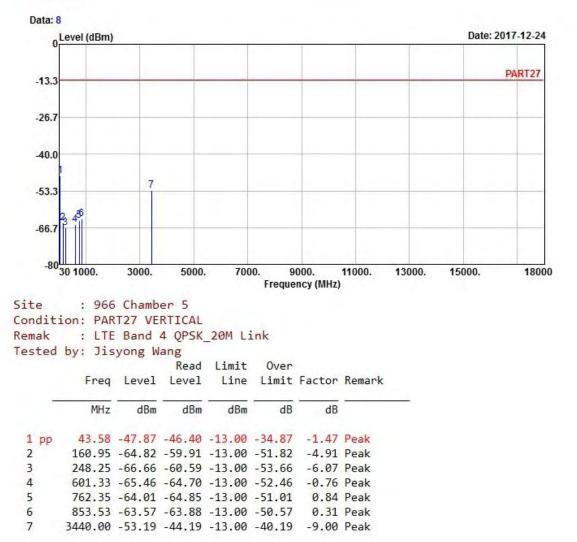


LTE Band 4 Channel Bandwidth: 20 MHz / QPSK Low Channel







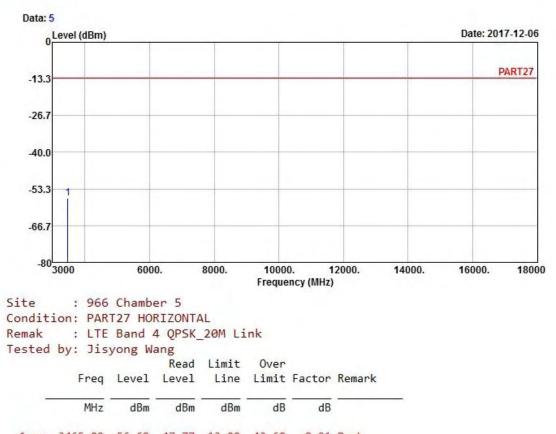




Middle Channel



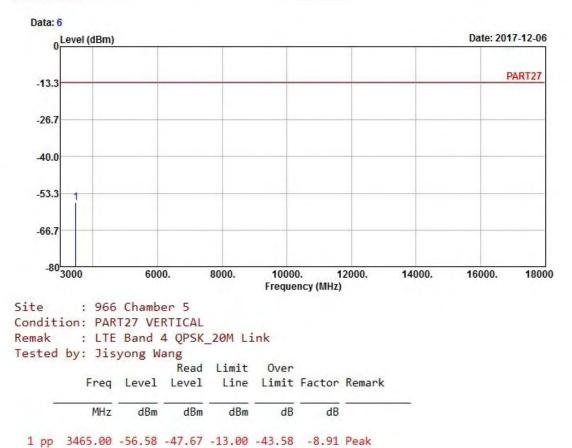
Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



1 pp 3465.00 -56.68 -47.77 -13.00 -43.68 -8.91 Peak



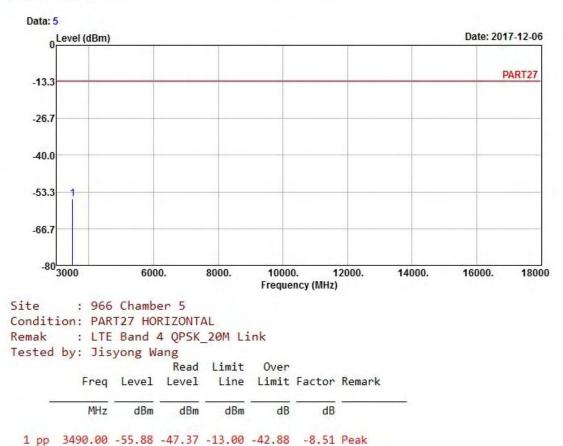






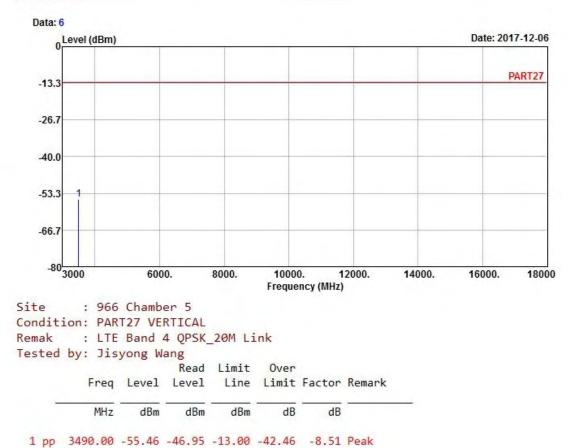
High Channel





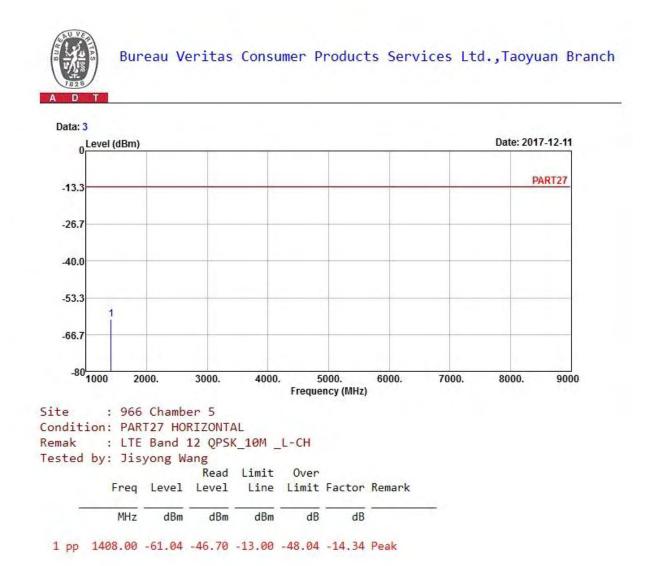






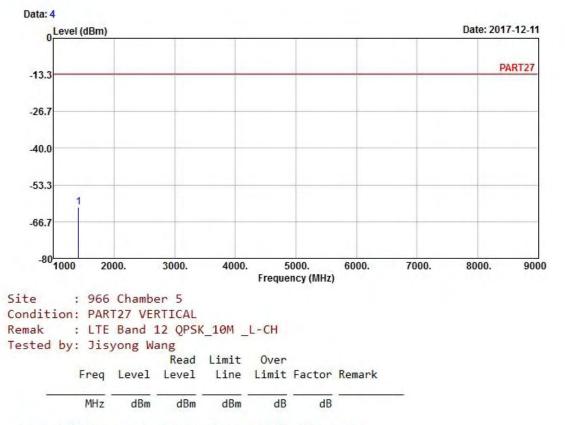


LTE Band 12 Channel Bandwidth: 10 MHz / QPSK Low Channel









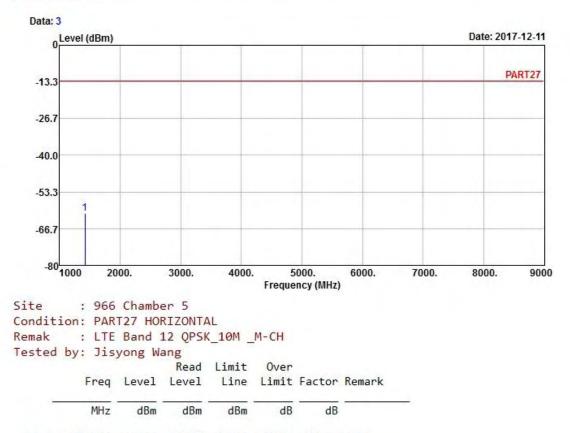
1 pp 1408.00 -61.49 -47.15 -13.00 -48.49 -14.34 Peak



Middle Channel



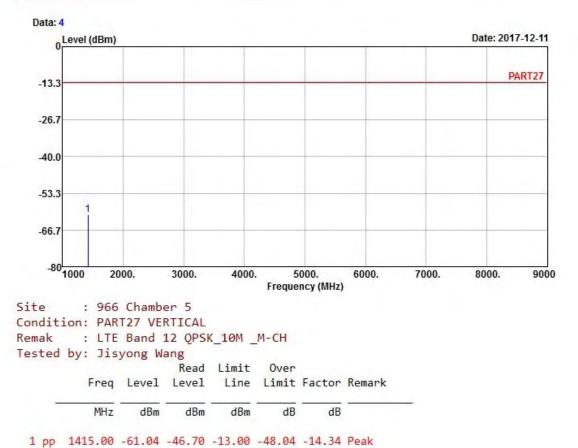
Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



1 pp 1415.00 -61.21 -46.87 -13.00 -48.21 -14.34 Peak



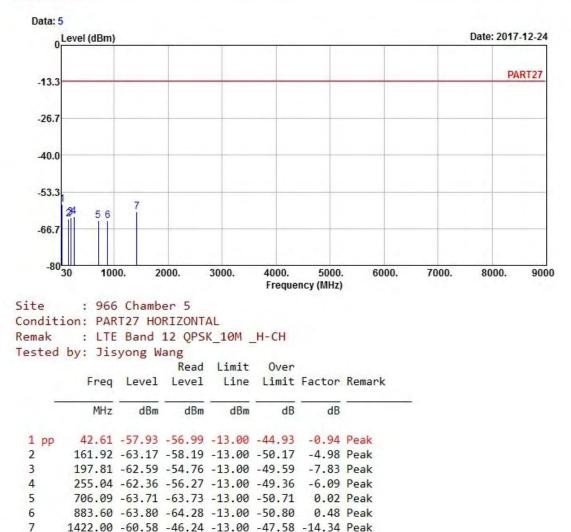






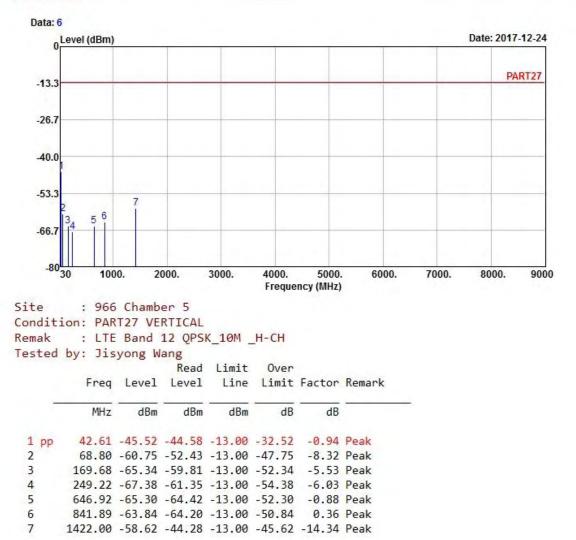
High Channel





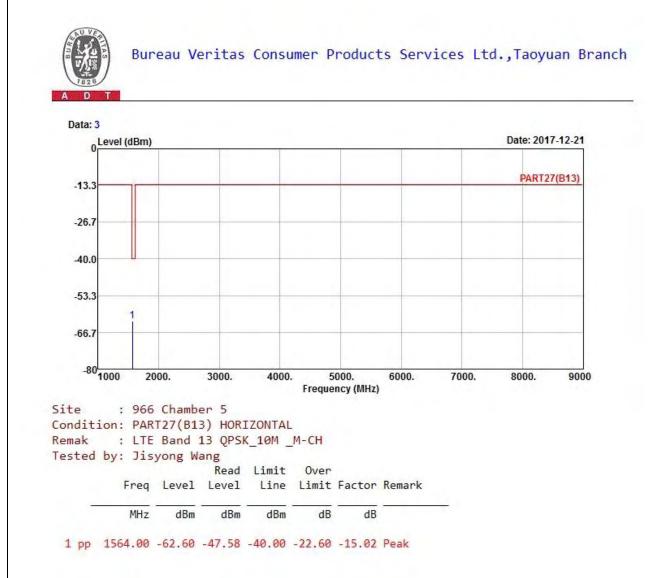






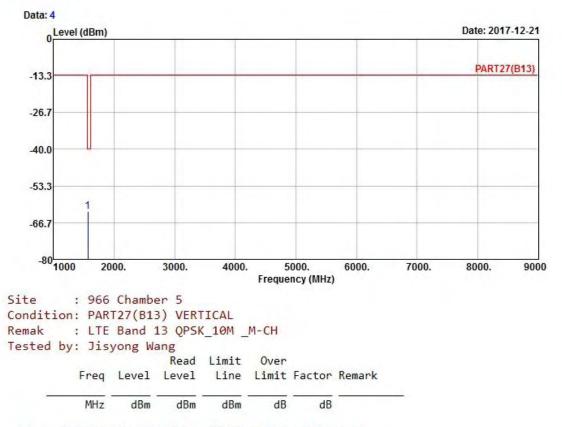


LTE Band 13 Channel Bandwidth: 10 MHz / QPSK









1 pp 1564.00 -62.54 -47.52 -40.00 -22.54 -15.02 Peak

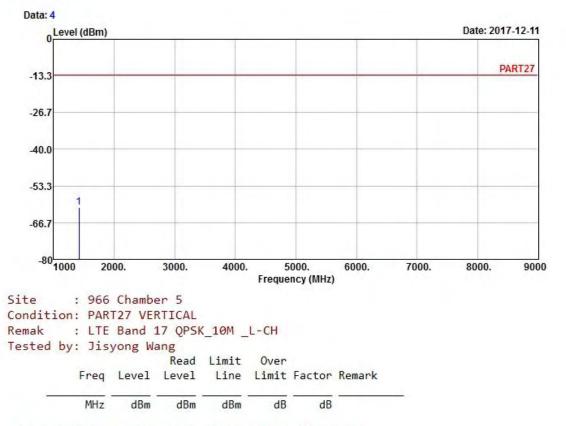


LTE Band 17 Channel Bandwidth: 10 MHz / QPSK Low Channel









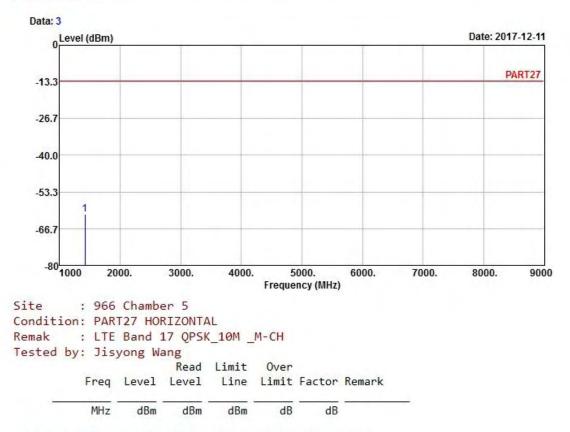
1 pp 1418.00 -61.12 -46.78 -13.00 -48.12 -14.34 Peak



Middle Channel



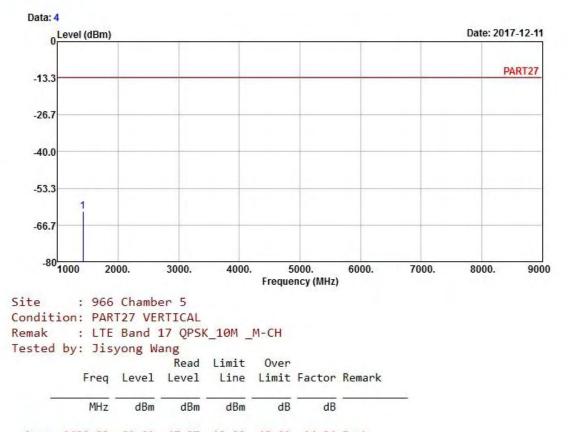
Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



1 pp 1420.00 -61.32 -46.98 -13.00 -48.32 -14.34 Peak





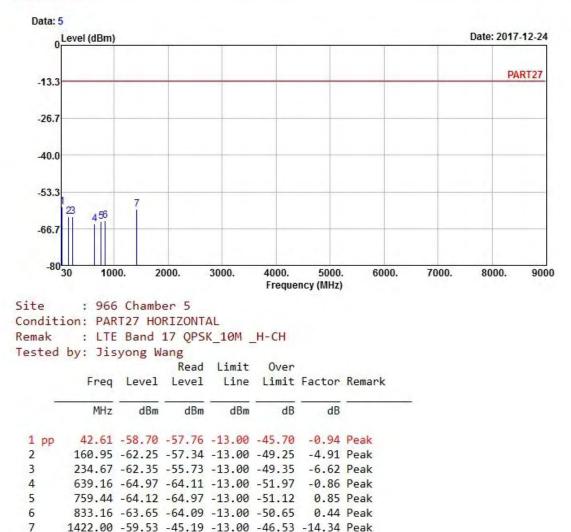


1 pp 1420.00 -61.61 -47.27 -13.00 -48.61 -14.34 Peak



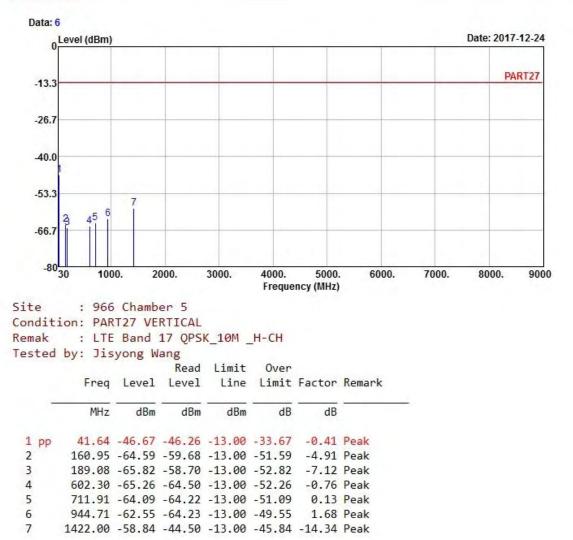
High Channel













5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).



Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab Tel: 886-2-26052180 Fax: 886-2-26051924 Hsin Chu EMC/RF/Telecom Lab Tel: 886-3-6668565 Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Tel: 886-3-3183232 Fax: 886-3-3270892

Email: <u>service.adt@tw.bureauveritas.com</u> Web Site: <u>www.bureauveritas-adt.com</u>

The address and road map of all our labs can be found in our web site also.

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