

Appendix for Test report



Appendix A: DTS (6 dB) Bandwidth

In this document, the "DTS6dBBW" refers to the measured "DTS (6 dB) Bandwidth" value. In this Appendix, the "fc(DTS6dBBW)" refers to the centre of the measured "DTS6dBBW". The introduction of the "fc(DTS6dBBW)" is due to that other measurements use it as the spectrum analyzer setting.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	DTS6dBBW[MHz]	Verdict
TM1 _Ch0	L	2402	0.71	pass
TM1 _Ch19	М	2440	0.71	pass
TM1 _Ch39	Н	2480	0.71	pass



Part II - Test Plots

2.1 TM1_Ch0_L





2.2 TM1_Ch19_M





2.3 TM1_Ch39_H

Spectrum Occupied	BW		• +									\$	Frequency	
KEYSI RL	GHT ↔	Input: RF Coupling: A Align: Auto		ions: Off ef: Int (S)	Atten: 40 dB Preamp: Off µW Path: Stan		Trig: Free Gate: Off #IF Gain:		Center Freq Avg Hold: 1 Radio Std: 1) GHz	Center Fre 2.480000		Settings
1 Graph		•	l		Ref Lvi Offset							Span _4.0000 M	Hz	
Scale/Di	v 10.0	dB		ا	Ref Value 25.0	0 dBr	m	- -				CF Step		
Log 15.0												400.000	κHz	
5.00 -5.00 -15.0						<u> </u>	\sim					Auto Man		
-25.0												Freq Offse	ət	
-35.0 -45.0		ard a law and a law and a law a	No.4						- And	Martin M.C.		0 Hz		
-55.0 / <mark>শ</mark> ্বিন	an horizont	and a start of the								Mary My miles	whenhow			
-65.0														
Center 2 #Res BW					#Video BW 300).00 k	(Hz		Sweep 1	s Time 6.67 m	Span 4 MHz s (1001 pts)			
2 Metrics		•									, i í			
	Occup	ied Bandw	idth											
			1.0560 MHz				Total Po	ower		11.0 dE	Bm			
		nit Freq Er	ror	-584 F				BW Powe	er	99.00				
	x dB E	andwidth		706.8 k⊦	łz		x dB			-6.00	dB			
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Appendix B: Occupied Bandwidth

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Occupied Bandwidth [MHz]	Verdict
TM1 _Ch0	L	2402	1.03	pass
TM1 _Ch19	М	2440	1.03	pass
TM1 _Ch39	Н	2480	1.03	pass



Part II - Test Plots

2.1 TM1_Ch0_L





2.2 TM1_Ch19_M

Spectrum Occupied		zer 1	• +													Frequency	• 器
KEYSI RL	GHT ≁	Input: RF Coupling: / Align: Auto	AC	Input Z: Correction Freq Ref NFE: Ad	ons: Off : Int (S)	Pre	en: 40 dB eamp: Off / Path: Stand		Trig: Fre Gate: O #IF Gair	ff		Center Fre Avg Hold:> Radio Std:		000 GHz	2.4400	Frequency 00000 GHz	Settings
1 Graph Scale/Di	v 10 0	d B					_vi Offset (Value 25.00								Span _4.0000	MHz	
Log 15.0	• 10.0							U UB		Ì					CF Step 400.00	0 kHz	
-5.00 -15.0						\sim	~~~~·		m how	~~					Au Ma	ın	
-25.0 -35.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·····	م ممر						N V	Mar Marine	~		Freq Of 0 Hz	fset	
-45.0 -55.0 -65.0	all have	North Ad											ั้งที่ 	mana and and and and and			
Center 2 #Res BW	.44 GH	z				#Vid	eo BW 62.0	000 H	(Hz			Sweep	Time 9.60	Span 4 MHz ms (1001 pts)			
2 Metrics		T															
	Occup	ied Band	width 1.0304 N	MH7					Total F	ow	/er		10 4	dBm			
		mit Freq E Bandwidth	rror	1	0.405 k 1.260 M						V Powe	er	99.	00 % 00 dB			
	う (2	?	Jan 14 5:18:5	, 2018 2 PM		\triangle										



2.3 TM1_Ch39_H

Spectrum A Occupied E	BW Í	+				Frequency	景
	HT Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 40 dB Preamp: Off µW Path: Standard	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.480000000 GHz Avg Hold:>10/10 Radio Std: None	Center Frequency 2.480000000 GHz	Settings
1 Graph			Ref LvI Offset 0.50			Span 4.0000 MHz	
Scale/Div ' Log 15.0 5.00	10.0 dB		Ref Value 25.00 dE	3m		CF Step 400.000 kHz	
-5.00 -15.0 -25.0				m		Auto Man Freq Offset	
-35.0 -45.0		s south and the second se			hormolynamic and hormol	0 Hz	
-65.0 <mark>₩₩₩₩</mark> Center 2.4 #Res BW 2	8 GHz		#Video BW 62.000	kHz	ی کو		
2 Metrics	v				`		
0	ccupied Bandwid	th 0286 MHz		Total Power	10.4 dBm		
	ransmit Freq Erro dB Bandwidth	or 8.908 H 1.259 M		% of OBW Powe x dB	er 99.00 % -26.00 dB		
		Jan 14, 2018 5:24:55 PM	$\bigcirc \triangle$				



Appendix C: Duty Cycle

Part I - Test Results

Test Mode	TX Freq. [MHz]	Duty cycle [%]
TM1	CH0,CH19,CH39	60.4

Part II - Test Plots

2.1 TM1

Spectrum Analy Swept SA	•	+					Marker	- * 詳
KEYSIGHT	Input: RF Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 38 dB Preamp: Off μW Path: Standar Source: Off	PNO: Fast Gate: Off d IF Gain: Low Sig Track: Off	Avg Type: Log-Pow Trig: Free Run	ver 123456 WWWWWW PNNNNN	Select Marker Marker 1	
1 Spectrum					M	kr1 606.0 µs	Marker Time 606.000 µs	Settings
Scale/Div 10 d	B		Ref Level 28.00 o	dBm		3.78 dBm ★	Marker Mode	Peak Search
8.00		1	2				 Normal 	Pk Search Config
-2.00							Delta (Δ)	Properties
-22.0		and the start and the start of	بەلىرىيا	waiting the first	halens	which was	Fixed	Marker
-42.0 -52.0							Off	Function
-62.0	0000 GHz		Video BW 8.0 N	147		Span 0 Hz	Delta Marker (Reset Delta)	Marker→
Res BW 8 MHz					Sweep 2.0	000 ms (1001 pts)	Marker Table	Counter
5 Marker Table	Trans Oracle	X	Y	Four office	□	Function Value	Off	
1 N	Trace Scale 1 t	606.0 µs	3.785 dBm	Function	Function Width F	Function Value	K Marker Settings Diagram	
2 N 3 N	1 t 1 t	984.0 µs 1.232 ms					All Markers Off	
4 5 6							Couple Markers On Off	
		? Jan 14, 2018 5:12:43 PM						



Appendix D: Maximum Conducted Average Output Power

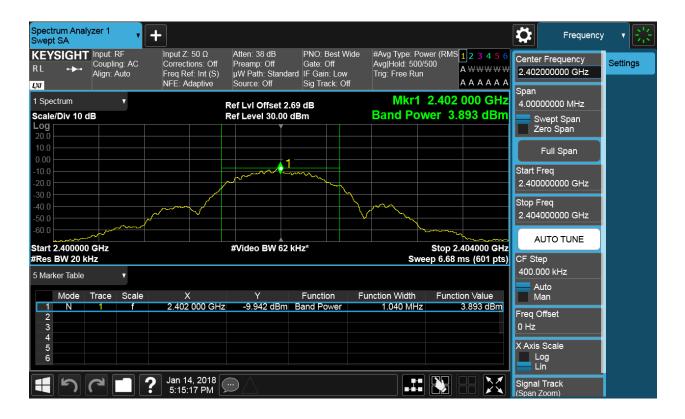
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Duty Cycle [%]	Power[dBm]	Verdict
TM1 _Ch0	L	2402	60.4	3.89	pass
TM1 _Ch19	М	2440	60.4	4.39	pass
TM1 _Ch39	Н	2480	60.4	4.53	pass



Part II - Test Plots

2.1 TM1_Ch0_L





2.2 TM1_Ch19_M

Spectrum Anal Swept SA	yzer 1 🔻	+					Frequency	- * 影
KEYSIGHT	Input: RF Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 38 dB Preamp: Off µW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (Ri Avg Hold: 500/500 Trig: Free Run	MS <mark>123456</mark> A \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Center Frequency 2.440000000 GHz	Settings
1 Spectrum Scale/Div 10 c	, ∎B		Ref LvI Offset 2.69 Ref Level 30.00 dB		Mkr1 2.44 Band Power	40 000 GHz 4.387 dBm	Span 4.00000000 MHz Swept Span	
Log 20.0 10.0 0.00							Zero Span Full Span	
-10.0 -20.0 -30.0				m			Start Freq 2.438000000 GHz	
-50.0 -50.0 -60.0		A man and a			Martin Martin		Stop Freq 2.442000000 GHz	
Start 2.438000 #Res BW 20 k			#Video BW 62 kH	IZ*		o 2.442000 GHz 68 ms (601 pts)	AUTO TUNE CF Step	
	Trace Scale					nction Value	400.000 kHz Auto Man	
1 N 2 3 4		2.440 000 GHz	2 -9.451 dBm B	and Power	1.040 MHz	4.387 dBm	Freq Offset 0 Hz	
56							X Axis Scale Log Lin	
5		? Jan 14, 2018 5:19:08 PM	\square				Signal Track (Span Zoom)	



2.3 TM1_Ch39_H

Rt Align: Auto Freq Ref. Int (S) JW Path: Standard JF Gain: Low Trig: Free Run A WWWWW 2.48000000 GHz I spectrum Ref Lvi Offset 2.69 dB Mkr1 2.480 000 GHz Span 4.0000000 MHz Scale/Div 10 dB Ref Lvi Offset 2.69 dB Mkr1 2.480 000 GHz Sweet Span 200 Image: Scale/Div 10 dB Ref Lvi Offset 2.69 dB Mkr1 2.480 000 GHz Sweet Span 201 Image: Scale/Div 10 dB Ref Lvi Offset 2.69 dB Band Power 4.532 dBn Full Span 200 Image: Scale/Div 10 dB Ref Lvi Offset 2.69 dB Band Power 4.532 dBn Full Span 201 Image: Scale Div 10 dB Image: Scale Div 10 dB Image: Scale Div 10 dB Sweet Span 201 Image: Scale Div 10 dB Image: Scale Div 10 dB Start 2.4780000 GHz Start Freq 201 Image: Scale Div 2.482000 GHz Stop Freq Start 2.4780000 GHz Stop Freq 201 Image: Scale Div 2.482 Div 2.48	Spectrum Analy Swept SA	•	+					Frequency	· • ※
1 Spectrum Ref LvI Offset 2.69 dB Mkr1 2.480 000 GHz 4.0000000 MHz Scale/Div 10 dB Ref Level 30.00 dBm Band Power 4.532 dBm Swept Span 200	RL ↔	Coupling: AC	Corrections: Off Freq Ref: Int (S)	Preamp: Off µW Path: Standard	Gate: Off IF Gain: Low	Avg Hold: 500/500	A₩₩₩₩₩	2.48000000 GHz	Settings
200 100 100 100 100 100 100 100	Scale/Div 10 d	▼ IB						4.00000000 MHz	
100 200 3	20.0								
400 500 600 Start 2.478000 GHz #Res BW 20 kHz Sweep 6.68 ms (601 pts) 5 Marker Table Mode Trace Scale X Y Function Function Width Function Value 1 N 1 f 2.480 000 GHz -9.346 dBm Band Power 1.040 MHz 4.532 dBm 7 Mode Trace Scale X Y Function Function Width Function Value 1 N 1 f 2.480 000 GHz -9.346 dBm Band Power 1.040 MHz 4.532 dBm 7 J J J J J J J J J J J J J J J J J J J	-10.0 -20.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Start 2.478000 GHz #Video BW 62 kHz* Stop 2.482000 GHz #Res BW 20 kHz Sweep 6.68 ms (601 pts) CF Step 5 Marker Table Mode Trace Scale X Y Function Function Vidth Function Vidth Auto Man 1 1 f 2.480 000 GHz -9.346 dBm Band Power 1.040 MHz 4.532 dBm Freq Offset 0 Hz 3 4	-40.0								
5 Marker Table 400.000 kHz Mode Trace Scale X Y 1 N 1 f 2	Start 2.478000			#Video BW 62 kH	Z*				
1 N 1 f 2.480 000 GHz -9.346 dBm Band Power 1.040 MHz 4.532 dBm 2 3 4 5 5 6 0 Hz XAxis Scale 6 0 0 0 0 0 0 1	5 Marker Table	¥						400.000 kHz	
6 Log	1 N 2 3 4	Trace Scale						Freq Offset 0 Hz	
								Log Lin	



Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Duty Cycle [%]	PSD[dBm/10 kHz]	Verdict
TM1 _Ch0	L	2402	60.4	-10.56	pass
TM1 _Ch19	М	2440	60.4	-10.24	pass
TM1 _Ch39	Н	2480	60.4	-9.86	pass



Part II - Test Plots

2.1 TM1_Ch0_L





2.2 TM1_Ch19_M

Spectrum Analy Swept SA	/zer 1 🔻	+									Frequency	- * 崇
KEYSIGHT RL ↔→•	Input: RF Coupling: AC Align: Auto	Input Z: 5 Correctior Freq Ref: NFE: Ada	ns: Off F Int (S)	Atten: 28 dB Preamp: Off JW Path: Star Source: Off	Gate dard IF Ga		#Avg Type: I Avg Hold: 20 Trig: Free R	00/200 un	1 2 3 4 5 6 A WWWWW A A A A A A A	Center Fi 2.44000 Span	requency 0000 GHz	Settings
1 Spectrum Scale/Div 10 d	T B			ef Lvi Offset of Level 20.0			Mkr1		99 1 GHz 242 dBm	4.00000	pt Span	
10.0											Span Il Span	
-10.0				1						Start Free 2.43800	9 0000 GHz	
-20.0			m	Mr.M.	wwwwyy	WWW				Stop Free 2.44200	4 0000 GHz	
-30.0			A A A				MM			AUT CF Step	O TUNE	
-50.0		N	<u>,</u> ,			- W	A CONTRACTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OF THE OWNER OF THE OWNER	q		400.000 Auto Man		
-60.0 -70.0	N N N N N N N N N N N N N N N N N N N							mon	hundren	Freq Offs 0 Hz	et	
Start 2.438000 #Res BW 10 ki	GHz		#\	Video BW 1	00 kHz*		Sw		442000 GHz s (8190 pts)	X Axis So Log Lin	ale	
日 り		? Jan 14, 5:19:18	2018 💭							Signal Tra (Span Zoo	ack m)	



2.3 TM1_Ch39_H

Spectrum Analy Swept SA	yzer 1 🔻	+					Frequency	· · · · · · · · · · · · · · · · · · ·
KEYSIGHT RL ↔	Input: RF Coupling: AC Align: Auto	Corrections: Off Freq Ref: Int (S)	Preamp: Off µW Path: Standard	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	#Avg Type: Power (RM Avg Hold: 200/200 Trig: Free Run	IS <mark>1</mark> 23456 A \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Center Frequency 2.480000000 GHz Span	Settings
1 Spectrum Scale/Div 10 d Log	T IB		ef LvI Offset 2.69 ef Level 20.00 dBr		Mkr1 2.479 -{	978 8 GHz 9.856 dBm	4.00000000 MHz Swept Span Zero Span	
10.0							Full Span	
-10.0			1 Mar Marine	4Am			Start Freq 2.478000000 GHz Stop Freq	
-20.0		Month		N N N			2.482000000 GHz	
-40.0		Num N			Marhing		CF Step 400.000 kHz	
-60.0	m	√		۷ 	M.	<u>γ</u>	Auto Man Freq Offset	
-70.0	GHz	#	Video BW 100 kH	z*	Stop	2.482000 GHz	0 Hz X Axis Scale Log	
#Res BW 10 kl		 Jan 14, 2018 5:25:53 PM	> ^			ms (8190 pts)	Log Lin Signal Track (Span Zoom)	



Appendix F: Band Edges Compliance

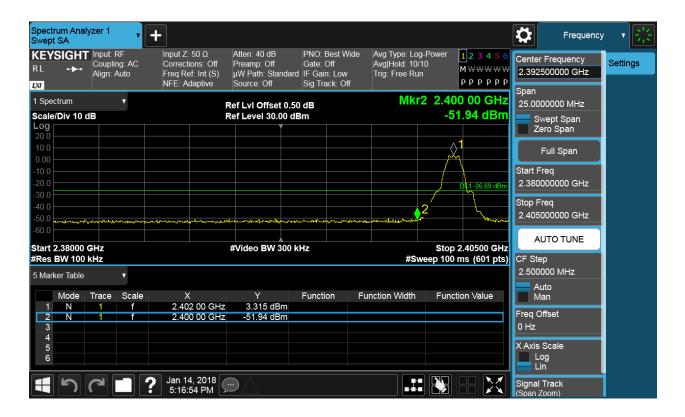
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
TM1_Ch0	L	2402	3.32	-51.94	pass
TM1_Ch39	Н	2480	3.89	-51.74	pass



Part II - Test Plots

2.1 TM1_Ch0_L





2.2 TM1_Ch39_H

Spectrum Anal Swept SA	•	+					Frequency	· · · · · · · · · · · · · · · · · · ·
KEYSIGHT RL +►•	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	Atten: 40 dB Preamp: Off µW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-I Avg Hold: 100/1 Trig: Free Run		Center Frequency 2.483500000 GHz	Settings
1 Spectrum Scale/Div 10 c	, ∎B		Ref LvI Offset 0.50 Ref Level 30.00 dE		Mkr2	2.483 50 GHz -51.74 dBm	Span 20.0000000 MHz Swept Span	
Log 20.0 10.0 0.00		<u></u> 1					Zero Span Full Span	
-10.0 -20.0 -30.0						DL1 -26.11 dBm	Start Freq 2.473500000 GHz	
-40.0	างมารในการให้เกาะหะกักว่า		2	and all the second second	-malin Marian		Stop Freq 2.493500000 GHz	
-60.0 Start 2.47350 #Res BW 100			#Video BW 300 k	Hz	#Swe	Stop 2.49350 GHz ep 100 ms (601 pts)	AUTO TUNE CF Step	
5 Marker Table Mode	▼ Trace Scale	X	Y	Function Fu	Inction Width	Function Value	2.000000 MHz Auto Man	
1 N 2 N 3	1 f 1 f	2.480 00 GHz 2.483 50 GHz	3.890 dBm -51.74 dBm				Freq Offset 0 Hz	
4 5 6							X Axis Scale Log Lin	
1 5	6	? Jan 14, 2018 5:27:39 PM					Signal Track (Span Zoom)	



Appendix G: Unwanted Emissions into Non-Restricted Frequency

Bands

In this Appendix, the "Pref", which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the "Puw" referrers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] = $10 \times lg(100 \ [kHz]/narrower RBW \ [kHz])$. As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain, due to the relative-limit requirement.

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-30[dBm],see test plots for detailed".

Test Mode	Test Channel	Frequency[MHz]	Pref[dBm]	Puw[dBm]	Verdict
TM1 _Ch0	L	2402	3.31	<limit< td=""><td>pass</td></limit<>	pass
TM1 _Ch19	М	2440	3.81	<limit< td=""><td>pass</td></limit<>	pass
TM1 _Ch39	Н	2480	3.93	<limit< td=""><td>pass</td></limit<>	pass

Part I - Test Results



Part II - Test Plots

2.1 TM1_Ch0_L

Pref:

Spectrum Analyzer 1	•				Frequency	▼崇
RL Coupling: AC Align: Auto	Input Z: 50 Ω Atten: 30 dB Corrections: Off Preamp: Off Freq Ref: Int (S) μW Path: Standar NFE: Adaptive Source: Off	Gate: Off	Avg Type: Log-Power Avg Hold:>1000/1000 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 2.402000000 GHz	Settings
1 Spectrum Scale/Div 10 dB Log	Ref Lvi Offset 0.5 Ref Level 20.00 d		Mkr1 2.401	993 GHz 3.34 dBm	Span 4.00000000 MHz Swept Span	
10.0					Zero Span Full Span	
-10.0					Start Freq 2.400000000 GHz Stop Freg	
-20.0			~~		2.404000000 GHz	
-40.0			and the second s		CF Step 400.000 kHz	
-50.0				Constant and the second	Auto Man Freq Offset	
					0 Hz X Axis Scale	
Start 2.400000 GHz #Res BW 100 kHz	#Video BW 300	KHZ	Stop 2 Sweep 6.68	.404000 GHz ms (601 pts)	Log Lin Signal Track (Span Zoom)	



Puw:

Spectrum Analy Swept SA	yzer 1 🔻	+					Frequency	- * 器
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 26 dB Preamp: Off µW Path: Standard Source: Off	PNO: Best Close Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 M WWWW PPPPPP	Center Frequency 79.500 kHz	Settings
1 Spectrum Scale/Div 10 c	▼ 1B		Ref LvI Offset 0.50 Ref Level 0.00 dBr			1.350 kHz 3.97 dBm	Span 141.000000 kHz Swept Span Zero Span	
-10.0							Full Span	
-30.0							9.000 kHz Stop Freq	
-40.0						DL1 -46.69 dBm	150.000 kHz	
-60.0							CF Step 14.100 kHz	
-80.0 - 1	᠆ᠬᠬᢦ᠕᠇	www.			and a furning		Auto Man Freq Offset	
-90.0 Start 9.00 kHz			#Video BW 3.0 kl		St	op 150.00 kHz	0 Hz X Axis Scale Log	
#Res BW 1.0 P		? Jan 14, 2018 5:15:59 PM		ed		3 ms (601 pts)	Lin Signal Track (Span Zoom)	



Spectrum Analy Swept SA	vzer 1 🔻	+									*	Frequency	
KEYSIGHT ^{RL}	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: Ac	ons: Off f: Int (S)	#Atten: 30 dB Preamp: Off μW Path: Star Source: Off	G ndard IF	NO: Best \ ate: Off Gain: Lov ig Track: C	v	Avg Type: Lo Avg Hold:>50 Trig: Free Ru	J/50	123456 MWWWW PPPPPP	Center Fre 15.075000 Span		Settings
Spectrum Scale/Div 10 d	T B			Ref Lvi Offset Ref Level 20.0						7.384 MHz ′3.61 dBm	29.850000 Swept Zero S	Span	
10.0).00											Full Start Freq	Span	
20.0											150.000 kl Stop Freq 30.000000		
40.0										DL1 -36.69 dBm	AUTO CF Step	TUNE	
50.0											2.985000 Auto Man	MHz	
60.0 70.0	itedaayin/Letusa gabee	1	a shi shi sha wa	hi ah il alkilari ada d	hould be allowed	le la terr Patterio	والمتعاول عو	Whaten Marine Mille	a literaturi da da seconda da seco	velotioner the state of the sta	Freq Offset 0 Hz		
tart 150 kHz Res BW 10 kH	Hz			#Video BW	30 kHz			Sw	St eep 6.40	op 30.00 MHz ms (3001 pts)			
5		? Jan 14 5:16:0	, 2018 07 PM		oupled						Signal Trac (Span Zoom	k)	



Spect Swept	rum Analy : SA	vzer 1 🗸	+					Frequency	· · · 】 器
KEY RL	Sight Sight	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 M\####################################	Center Frequency 1.165000000 GHz Span	Settings
1 Spe Scale	ctrum /Div 10 d	T B		Ref LvI Offset 0.50 Ref Level 20.00 dE			18 56 GHz 58.76 dBm	2.27000000 GHz	
Log								Swept Span Zero Span	
10.0								Full Span	
0.00								Start Freq 30.000000 MHz	
-20.0								Stop Freq 2.30000000 GHz	
-30.0							DL1 -26.69 dBm	AUTO TUNE	
-40.0								CF Step 227.000000 MHz	
-50.0							1	Auto Man	
-70.0	le shell ti ba di Tayar ta ta ta ta			h la batta in hitling an an an an tha in ha da in h	nen (ölden para an del ander and Ander ander and ander and a Ander and			Freq Offset 0 Hz	
	0.030 GH BW 100 F			#Video BW 300 k	Hz		top 2.300 GHz ms (8001 pts)	X Axis Scale Log Lin	
	5		? Jan 14, 2018 5:16:15 PM					Signal Track (Span Zoom)	



Spectrum Ana Swept SA	ilyzer 1	+					Frequency	· · · :::
KEYSIGH	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>200/200 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 2.350000000 GHz Span	Settings
1 Spectrum Scale/Div 10 Log	dB		Ref LvI Offset 0.50 Ref Level 20.00 dE			.399 7 GHz 57.06 dBm	100.000000 MHz Swept Span Zero Span	
10.0 0.00							Full Span Start Freq 2.30000000 GHz	
-10.0 -20.0 -30.0						DL1 -26.69 dBm	Stop Freq 2.40000000 GHz AUTO TUNE	
-40.0 -50.0						1	CF Step 10.000000 MHz Auto Man	
-70.0 Start 2.30000	GHz	in the specific and the second s	www.duluudhaa.ww #Video BW 300 k			p 2.40000 GHz	Freq Offset 0 Hz X Axis Scale Log	
#Res BW 100		Jan 14, 2018 5:16:22 PM) ms (1001 pts)	Lin Signal Track (Span Zoom)	



Spectrum Ana Swept SA	lyzer 1 🔻	+					Frequency	• * 亲
KEYSIGHT RL	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>200/200 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 2.491750000 GHz Span	Settings
1 Spectrum Scale/Div 10 Log	v dB		Ref LvI Offset 0.50 Ref Level 20.00 dE		Mkr1 2.491 -{	722 5 GHz 51.04 dBm	16.5000000 MHz Swept Span Zero Span	
10.0 0.00							Full Span Start Freq 2.483500000 GHz	
-10.0 -20.0 -30.0						DL1 -26.69 dBm	Stop Freq 2.50000000 GHz	
-40.0							AUTO TUNE CF Step 1.650000 MHz Auto	
-60.0 -70.0	mlumm.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	שמיינית אווייניגאל און שאיי שמיינית אוויייניגאל און שאיי	mmy	᠆ ᠂ ᢉᢦᡟ᠋᠘ᢔᡰᡅᠬᢦᢛ᠆ᡎᢆᠮᡀᠩᡅ _{ᡄᡄ᠆ᠧ} ᠇	᠉᠆᠕᠋᠆ᢣ᠕ᡊᢀ᠋᠆ᠬ	Man Freq Offset 0 Hz	
Start 2.48350 #Res BW 100		Jan 14, 2018 5:16:30 PM	#Video BW 300 k	Hz		2.500000 GHz 0 ms (601 pts)	X Axis Scale Log Lin Signal Track (Span Zoom)	

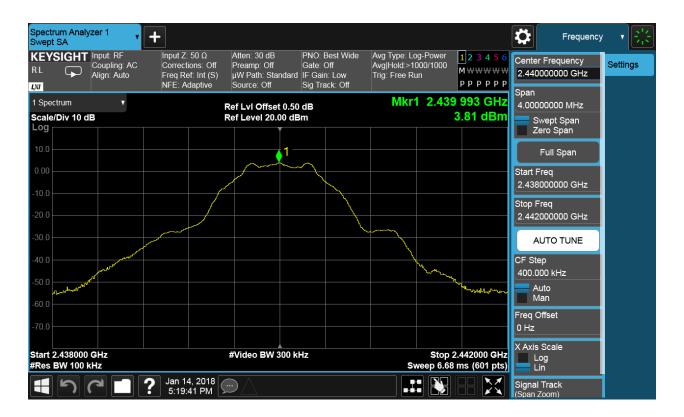


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KEYSIGH RL	T Input: RF Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>10/10 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 14.500000000 GHz Span	Settings
1 Spectrum Scale/Div 10	₹ dB		Ref Lvi Offset 0.50 Ref Level 20.00 dE			5.687 GHz 45.50 dBm	24.0000000 GHz	
10.0							Zero Span Full Span	
0.00							Start Freq 2.500000000 GHz	
-10.0							Stop Freq 26.50000000 GHz	
-30.0						DL1 -26.69 dBm	AUTO TUNE	
-40.0					Alternative de la seconda d	1-	CF Step 2.400000000 GHz Auto	
-60.0	فالمدادية والمعادية	in a the and a state of the second	alay dan salan mala ing				Man Freq Offset	
-70.0 Start 2.50 GI			#Video BW 300 k				0 Hz X Axis Scale	
#Res BW 10) Jan 14, 2018	#VIdeo BW 300 K	HZ		top 26.50 GHz ms (8001 pts)	Log Lin Signal Track	
		5:16:38 PM					(Span Zoom)	



2.2 TM1_Ch19_M

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Spectrum Analyz Swept SA	zer 1 ү 🖡	+					Frequency	v 🔆
	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 26 dB Preamp: Off μW Path: Standard Source: Off	PNO: Best Close Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 79.500 kHz Span	Settings
1 Spectrum Scale/Div 10 dE Log	▼ 3		Ref LvI Offset 0.50 Ref Level 0.00 dBr			2.760 kHz 4.46 dBm	141.000000 kHz Swept Span Zero Span	
-10.0							Full Span	
-30.0							Start Freq 9.000 kHz Stop Freq	
-40.0						DL1 -46.19 dBm	150.000 kHz	
-60.0							CF Step 14.100 kHz	
-80.0	1				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Auto Man Freq Offset	
-90.0			#Video BW 3.0 kł			۲۰۰۰۰۰۰ op 150.00 kHz	0 Hz X Axis Scale	
		Jan 14, 2018 5:19:50 PM				ms (601 pts)	Log Lin Signal Track (Span Zoom)	



Spectrum Anal Swept SA	yzer 1 🔻	+					Frequency	· • • 2
KEYSIGHT ^{RL}	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Powe Avg Hold:>50/50 Trig: Free Run	1 2 3 4 5 6 M W W W P P P P P	Center Frequency 15.075000 MHz Span	Settings
Spectrum	▼ IB		Ref LvI Offset 0.50 Ref Level 20.00 dE			21.931 MHz -73.93 dBm	29.8500000 MHz Swept Span Zero Span	
10.0).00							Full Span	
10.0							150.000 kHz Stop Freq 30.000000 MHz	
0.0						DL1 -36.19 dBm	AUTO TUNE	
40.0 50.0							CF Step 2.985000 MHz Auto Man	
50.0 70.0		-			1		Freq Offset 0 Hz	
tart 150 kHz Res BW 10 k		kalletetetetetetetetetetetetetetetetetete	#Video BW 30 kł			Stop 30.00 MHz 40 ms (3001 pts)	X Axis Scale Log Lin	
15		? Jan 14, 2018 5:19:57 PM		ed			Signal Track (Span Zoom)	



Spect Swep	rum Analy : SA	vzer 1 🔻	+					Frequency	
KEY RL	Sight Sight	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 1.165000000 GHz Span	Settings
1 Spe	ctrum / Div 10 d	v		Ref LvI Offset 0.50 Ref Level 20.00 dE			86 22 GHz 60.13 dBm	2.27000000 GHz	
Log								Swept Span Zero Span	
10.0								Full Span	
0.00								Start Freq 30.000000 MHz	
-20.0								Stop Freq 2.300000000 GHz	
-30.0							DL1 -26.19 dBm	AUTO TUNE	
-40.0								CF Step 227.000000 MHz	
-50.0 -60.0								Auto Man	
-70.0		ist in a bising francist States and the states of the		ilmitus indistrict physical sectors of the solution of the sol			er an	Freq Offset 0 Hz	
	0.030 GH BW 100 I			#Video BW 300 k	Hz		top 2.300 GHz ms (8001 pts)	X Axis Scale Log Lin	
	5		? Jan 14, 2018 5:20:05 PM					Signal Track (Span Zoom)	



Spect Swept	rum Analy : SA	zer 1 🗸	+								₽	Frequency	· · · :::
KEY RL	Sight Sight	Input: RF Coupling: AC Align: Auto		ons: Off f: Int (S)	#Atten: 30 dB Preamp: Off µW Path: Stan Source: Off		Off	Avg Type: Lo Avg Hold:>2 Trig: Free Ri	00/200	123456 M\##### PPPPPPP	Center Fre 2.350000 Span		Settings
1 Spe Scale Log	ctrum /Div 10 d	₹ B			Ref Lvi Offset Ref Level 20.0			Μ		400 0 GHz 51.11 dBm	100.0000	t Span	
10.0											Zero Full	Span Span	
0.00											Start Freq 2.300000	000 GHz	
-20.0										DL1 -26.19 dBm	Stop Freq 2.400000	000 GHz	
-30.0 -40.0											CF Step	DTUNE	
-50.0										1	10.00000 — Auto Man	0 MHz	
-70.0	-madellog/uge	halmmanning	ษญณาในกณุงไป	hippenson	</td <td>MMAN</td> <td>udthinnan</td> <td>- Manager Marina</td> <td>where and film</td> <td>แกกแหละเหล่าส่</td> <td>Freq Offse 0 Hz</td> <td>t</td> <td></td>	MMAN	udthinnan	- Manager Marina	where and film	แก กแหละเหล่า ส่	Freq Offse 0 Hz	t	
	2.30000 G BW 100 k				#Video BW 3	00 kHz		Sw		2.40000 GHz ms (1001 pts)	X Axis Sca Log Lin	ale	
	5			4, 2018 13 PM							Signal Tra (Span Zoon	ck า)	



Spect Swep	rum Analy t SA	/zer 1 🔻	+					Frequency	· · · 😤
KEY RL	'Sight	Input: RF Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>200/200 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 2.491750000 GHz Span	Settings
	ectrum e/Div 10 d	B		Ref Lvi Offset 0.50 Ref Level 20.00 dE		Mkr1 2.492	520 0 GHz 60.91 dBm	16.5000000 MHz Swept Span Zero Span	
10.0 0.00								Full Span Start Freq 2.483500000 GHz	
-10.0 -20.0 -30.0							DL1 -26.19 dBm	Stop Freq 2.500000000 GHz	
-40.0 -50.0					▲1			CF Step 1.650000 MHz Auto Man	
-60.0 -70.0			ᠧᡊ᠊ᠹᠯᡶᡘ᠆ᡔᠤᡌᠰᢅᠬᠧᢗᢦᡃᢢᢧᢇᢇ	*************************************			സുഷ്ഡാപുംസ് 2.500000 GHz	Freq Offset 0 Hz X Axis Scale	
	BW 100 F		? Jan 14, 2018 5:20:20 PM		mz		00 ms (601 pts)	Log Lin Signal Track (Span Zoom)	



Spectrum A Swept SA	nalyzer 1	+					Frequency	· *
KEYSIGI RL	HT Input: RF Coupling: AC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>10/10 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 14.500000000 GHz Span	Settings
1 Spectrum Scale/Div 1	▼ 10 dB		ef Lvi Offset 0.50 ef Level 20.00 dB			25.405 GHz 44.80 dBm	24.0000000 GHz	
10.0							Zero Span Full Span	
0.00							Start Freq 2.500000000 GHz	
-10.0							Stop Freq 26.50000000 GHz	
-30.0						DL1 -26.19 dBm	AUTO TUNE	
-40.0				ht	لى بى		CF Step 2.400000000 GHz Auto	
-60.0	hanne an						Man Freq Offset	
-70.0							0 Hz X Axis Scale	
#Res BW 1		🗩 Jan 14, 2018 📿	#Video BW 300 kl	HZ		6top 26.50 GHz ms (8001 pts)	Log Lin Signal Track	
		5:20:29 PM					(Span Zoom)	



2.3 TM1_Ch39_H

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Spectrum Analy Swept SA	zer 1	+					Frequency	- * 器
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 26 dB Preamp: Off μW Path: Standard Source: Off	PNO: Best Close Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 79.500 kHz	Settings
1 Spectrum Scale/Div 10 dl Log	B		Ref Lvi Offset 0.50 Ref Level 0.00 dBr			0.175 kHz 3.54 dBm	Span 141.000000 kHz Swept Span Zero Span	
-10.0							Full Span	
-30.0							Start Freq 9.000 kHz Stop Freq	
-40.0						DL1 -46.07 dBm	150.000 kHz	
-60.0							AUTO TUNE CF Step 14.100 kHz	
-70.0							Auto Man	
	᠕ᡀᡊᠰᠰᢦᠿᠾᠬᠲᢩ	Mary groups			And a start		Freq Offset 0 Hz X Axis Scale	
Start 9.00 kHz #Res BW 1.0 kl	Hz		#Video BW 3.0 kl	Hz	Sweep 2.88	op 150.00 kHz 8 ms (601 pts)	Log Lin	
ま り (Jan 14, 2018 5:26:35 PM		ed			Signal Track (Span Zoom)	



Spectrum Anal Swept SA	yzer 1 🔻	+					Frequency	· • • • • •
KEYSIGHT ^{RL}	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 M\#\#\# PPPPPP	Center Frequency 15.075000 MHz Span	Settings
Spectrum	₹ IB		Ref LvI Offset 0.50 Ref Level 20.00 dE			11.851 MHz -73.99 dBm	29.8500000 MHz Swept Span Zero Span	
10.0 0.00 10.0							Full Span Start Freq 150.000 kHz	
20.0 30.0						DL1 -36.07 dBm	Stop Freq 30.000000 MHz AUTO TUNE	
40.0							CF Step 2.985000 MHz Auto Man	
70.0 Trainglood		ntilleteriesetereteret	1 #dutum_numuni #Video BW 30 kF			Stop 30.00 MHz	Freq Offset 0 Hz X Axis Scale Log	
Res BW 10 k		? Jan 14, 2018 5:26:43 PM		ed	Sweep 6.4	0 ms (3001 pts)	Lin Signal Track (Span Zoom)	



Specti Swept	um Analy SA	vzer 1 🔻	+					Frequency	
KEY RL	Sight Sight	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off µW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>50/50 Trig: Free Run	123456 M\####################################	Center Frequency 1.165000000 GHz Span	Settings
1 Spec	:trum /Div 10 d	v		Ref Lvi Offset 0.50 Ref Level 20.00 dE			16 13 GHz 59.78 dBm	2.27000000 GHz	
Log		В				`		Swept Span Zero Span	
10.0								Full Span	
0.00								Start Freq 30.000000 MHz	
-20.0							DL1 -26.07 dBm	Stop Freq 2.300000000 GHz	
-30.0								AUTO TUNE	
-40.0 -50.0								CF Step 227.000000 MHz	
-60.0				maa i oo da mahakacaadiilandadaa	Leather and a first state of the second	a second and the second a	1	Auto Man	
-70.0					n de la forma de la definición de la defini	y a d i ny de line (a cui la cui la cui la cui la cui la de la cui la de la cui la de la cui la de la cui la d		Freq Offset 0 Hz	
	0.030 GH BW 100 F			#Video BW 300 k	Hz		top 2.300 GHz ms (8001 pts)	X Axis Scale Log Lin	
	5		? Jan 14, 2018 5:26:51 PM	$\square \triangle$				Signal Track (Span Zoom)	



Spect Swept	rum Analy : SA	zer 1 🗸	+								₽	Frequency	
KEY RL	Sight Sight	Input: RF Coupling: AC Align: Auto		ions: Off ef: Int (S)	#Atten: 30 dB Preamp: Off µW Path: Star Source: Off	Gate Indard IF G): Fast e: Off ain: Low Track: Off	Avg Type: Lo Avg Hold:>2 Trig: Free R	00/200	123456 MWWWWW PPPPPP	Center Fr 2.350000 Span	equency)000 GHz	Settings
1 Spe Scale Log	ctrum / Div 10 d	₹ B			Ref Lvl Offset Ref Level 20.0			M		399 6 GHz 61.40 dBm	100.0000	000 MHz ot Span Span	
10.0 0.00											Ful Start Free	I Span I	
-10.0 -20.0										DL1 -26.07 dBm	Stop Freq	0000 GHz 0000 GHz	
-30.0 -40.0											AUT CF Step 10.00000		
-50.0 -60.0	Ŋ ^a lgualler of the state of th	and and and the first flow	MJan managana	ปะวุษปลงภาษท	murphendrates	mulu	-loto Mongels	หากการเกาะ	hurantin	1 Napathantana	Auto Man		
	2.30000 Q BW 100 k				#Video BW 3	00 kHz		Su		o 2.40000 GHz ms (1001 pts)	0 Hz X Axis Sc Log		
	5		? Jan 1- 5:26:	4, 2018 58 PM							Lin Signal Tra (Span Zoor	ack m)	



Spectrum Anal Swept SA	yzer 1	+					Frequency	· 米
	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>200/200 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 2.491750000 GHz	Settings
1 Spectrum Scale/Div 10 o	▼ ∃B		Ref LvI Offset 0.50 Ref Level 20.00 dE		Mkr1 2.485	727 5 GHz 59.50 dBm	Span 16.5000000 MHz Swept Span Zero Span	
10.0 0.00							Full Span Start Freq	
-10.0						DL1 -26.07 dBm	2.483500000 GHz Stop Freq 2.500000000 GHz	
-30.0							AUTO TUNE CF Step 1.650000 MHz	
-50.0 -60.0	J J J J J J J J J J J J J J J J J J J	an white a second and a second a	haylynghammantaala	wllwllynewan	ᠬ᠕ᡙᠬᡨ᠇᠊ᡊᡊᡗᠧᠵᡗ ^ᡊ ᡐᠬ	ᠬᢧᢦᠬᠬᡅᢑᢧᡙᠬᡃᡃᠬ	Auto Man Freq Offset	
-70.0 Start 2.483500 #Res BW 100			#Video BW 300 k	Hz		2.500000 GHz 0 ms (601 pts)	0 Hz X Axis Scale Log Lin	
H n		Jan 14, 2018 5:27:07 PM					Signal Track (Span Zoom)	



Spectrum Analy Swept SA	vzer 1 🔻	+					Frequency	- * ※
KEYSIGHT RL	Input: RF Coupling: AC Align: Auto	Input Ζ: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive	#Atten: 30 dB Preamp: Off μW Path: Standard Source: Off	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold:>10/10 Trig: Free Run	123456 MWWWWW PPPPPP	Center Frequency 14.500000000 GHz Span	Settings
1 Spectrum Scale/Div 10 d Log	B		ef Lvi Offset 0.50 ef Level 20.00 dE			5.687 GHz 45.87 dBm	24.0000000 GHz Swept Span Zero Span	
10.0 0.00							Full Span Start Freq	
-10.0						DL1 -26.07 dBm	2.500000000 GHz Stop Freq 26.500000000 GHz	
-30.0						1	AUTO TUNE CF Step	
-50.0 -60.0	,	http://www.com/com/com/com/com/com/com/com/com/com/	and and the second s				2.40000000 GHz Auto Man	
-70.0			#Video BW 300 k	Hz		top 26.50 GHz	Freq Offset 0 Hz X Axis Scale Log	
#Res BW 100		? Jan 14, 2018 5:27:15 PM				ms (8001 pts)	Lin Signal Track (Span Zoom)	



Appendix H: Radiated Spurious Emission & Spurious in Restricted

Band

Note: We tested all modes, but the data presented below is the worst case.

Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

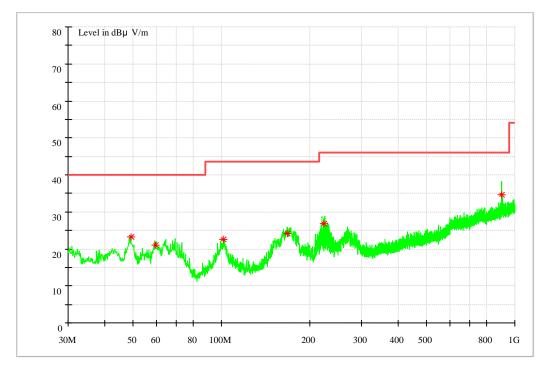


1.1 Part 1: Testing Range of "9 kHz to 30MHz"

NOTE1: No peak found in the Test Range of "9 kHz to 30MHz"

1.2 Part 2: Testing Range of "30 MHz to 1 GHz"

- Note 1: The test results and plot for testing range of "30 MHz to 1 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Frequency	Level	Limit	Margin	Height	Pol	Azimuth	Transd.
(MHz)	(dBµ V/m)	(dBµ V/m)	(dB)	(cm)		(deg)	(dB)
49.09700	23.30	40	16.70	107	V	192	15.5
59.57670	21.03	40	18.97	118	V	19	13.4
101.32975	22.46	43.5	21.04	117	V	356	13.7
167.99515	24.06	43.5	19.44	100	V	276	11.0
223.29575	26.83	46	19.17	100	V	172	13.7
900.09630	34.72	46	11.28	197	Н	198	26.3

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain) The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

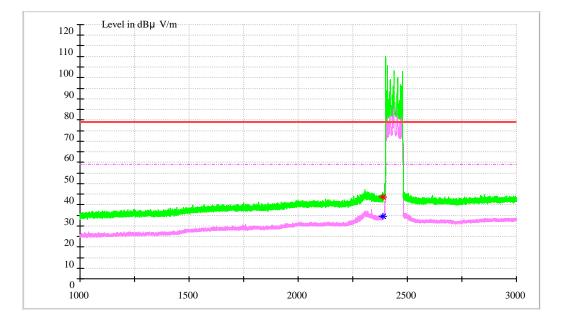


1.3 Part 3: Testing Range of "1GHz to 3GHz"

- Note 1: The testing range of "1GHz to 3 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 $dB\mu V/m$) and Average Limit (54 $dB\mu V/m$).

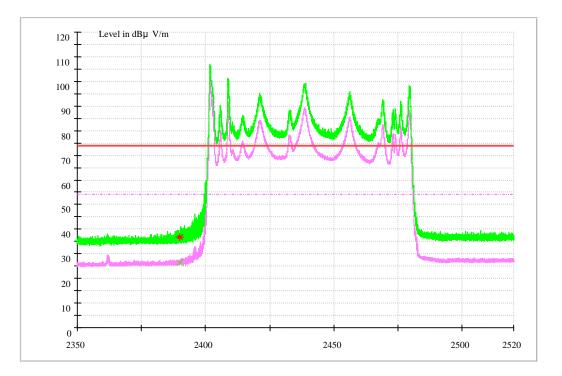
Note 3: The peak spike exceeds the limit line is EUT's operating frequency. Test Mode:

1.3.1Test Mode: TM1





1.3.1.1 Channel 0



MEASUREMENT RESULT: AV Detector

Frequency	Level	Limit	Margin	Height	Pol	Azimut	Transd.			
(MHz)	(dBµ V/m)	(dBµ V/m)	(dB)	(cm)		h	(dB)			
2390	26.55	54.00	27.45	150.0	Н	180	-8.6			
MEASUREMENT	MEASUREMENT RESULT: PK Detector									
Frequency	Level	Limit	Margin	Height	Pol	Azimut	Transd.			
(MHz)	(dBµ V/m)	(dBµ V/m)	(dB)	(cm)		h	(dB)			
2390	36.82	74.00	37.18	150.0	Н	212	-8.6			

Note:

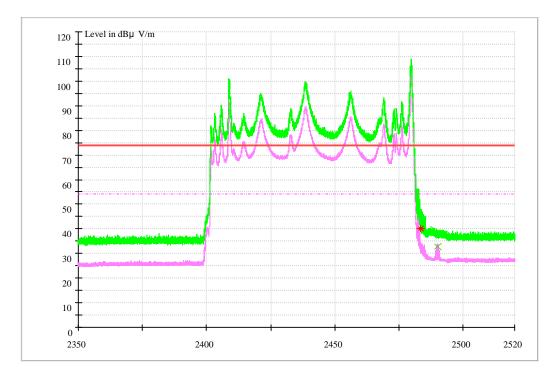
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss - preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level



1.3.1.2 Channel 39



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimut h	Transd. (dB)		
2489.9	32.69	54.00	21.31	150.0	Н	203	-6.8		
MEASUREMENT RESULT: PK Detector									
-		1 1	NA	11-1-1-1-4	D - 1	A	T		

Frequency (MHz)	Level (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimut h (deg)	Transd. (dB)
2483.5	40.19	74.00	33.81	150.0	Н	203	-6.8

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss - preamplifier gain)

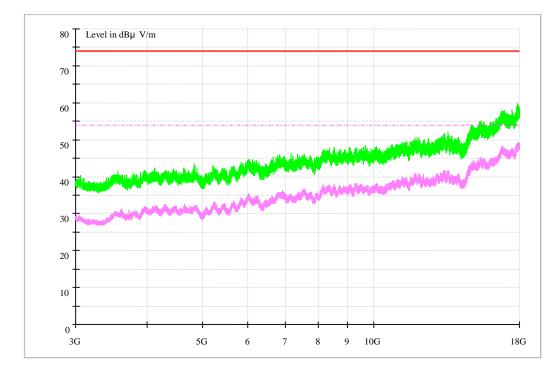
The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level



1.4 Part 4: Testing Range of "3 GHz to 18 GHz"

- Note 1: The test results and plot for testing range of "3 GHz to 18 GHz" showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of "3 GHz to 18 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 3 GHz, that is Peak limit (74 $dB\mu V/m$) and Average Limit (54 $dB\mu V/m$).





1.5 Part 5: Testing Range of "18 GHz to 26.5 GHz"

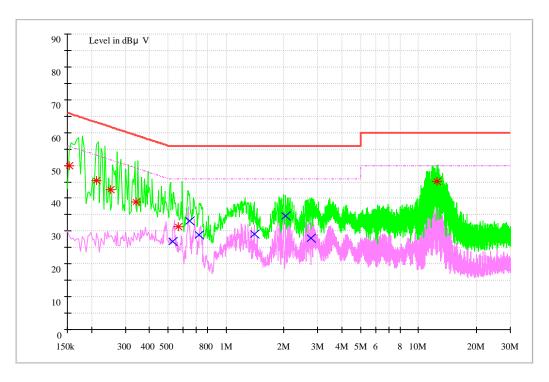
NOTE: No peak found in the Test Range of "18 GHz to 26.5GHz"



Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

Channel 39



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµ V)	Limit (dBµ V)	Transd. (dB)	Margin (dB)	Line	PE
0.525826	26.95	46	9.7	19.05	Ν	FLO
0.645260	32.99	46	9.7	13.01	N	FLO
0.728369	28.74	46	9.7	17.26	N	FLO
1.401211	28.96	46	9.7	17.04	Ν	FLO
2.045624	34.70	46	9.7	11.30	N	FLO
2.775835	27.83	46	9.8	18.17	L1	FLO

Frequency (MHz)	Level (dBµ V)	Limit (dBµ V)	Transd. (dB)	Margin (dB)	Line	PE
0.154078	49.77	65.77	9.7	16.00	Ν	FLO
0.212288	45.42	63.12	9.7	17.70	L1	FLO
0.252827	42.55	61.67	9.7	19.12	Ν	FLO
0.341789	38.80	59.16	9.7	20.36	L1	FLO
0.568544	31.45	56	9.7	24.55	Ν	FLO
12.43737	45.09	60	9.8	14.91	Ν	FLO

MEASUREMENT RESULT: PK Detector

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

END