

1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.026		PASS
DH5	2441	1.033		PASS
DH5	2480	1.029		PASS
2DH5	2402	1.290		PASS
2DH5	2441	1.290		PASS
2DH5	2480	1.292		PASS



Agilent Spectrum Analyzer - Occupied BW M RL RF 50 Ω AC Center Freq 2.402000000	GHz Center		old: 1/1	Radio Radio	23 PM Oct 25, 2017 Std: None Device: BTS	Frequency
Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm			MI)2162 GHz 1084 dBm	
Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0						Center Frec 2.402000000 GHz
Center 2.402 GHz #Res BW 30 kHz	#\	/BW 100 kHz		Swee	Span 2 MHz ep 2.133 ms	II CF Step
Occupied Bandwidth		Total Power	1	3.9 dBm	-	200.000 kHz <u>Auto</u> Mar
	95.13 kHz					Freq Offse
Transmit Freq Error	3.349 kHz	OBW Power		99.00 %	1	0 Hz
x dB Bandwidth	1.026 MHz	v dD				
Agilent Spectrum Analyzer - Occupied BW	20 dB Ba	x dB andwidth_DH5	S	20.00 dB	i	
Agilent Spectrum Analyzer - Occupied BW VM RL RF 50 Q AC Center Freq 2.441000000	20 dB Ba / GHz Center Trig: Fr	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s _2441 ALIGNAU	атиз ТО [04:57 Radio	:16PM Oct 25, 2017 Std: None	- Frequency
Agilent Spectrum Analyzer - Occupied BW Va RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 0.7 dB	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	1
Agilent Spectrum Analyzer - Occupied BW (X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS	1
Agilent Spectrum Analyzer - Occupied BW (X) RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00 -10.0 -20.0	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	Center Free
Agilent Spectrum Analyzer - Occupied BW (X) RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 -0.0 -10.0 -20.0 -30.0 -40.0	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	Center Free
Agilent Spectrum Analyzer - Occupied BW (M) RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 -10.0 -20.0 -30.0	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	Center Free
Agilent Spectrum Analyzer - Occupied BW X RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 0.7 dB Ref 20.00 dBm 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	20 dB Ba / / GHz #IFGain:Low GHz #Atten:	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	Center Free
Agilent Spectrum Analyzer - Occupied BW (X) RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 20.0 -20.0 -30.0 -40.0 -60.0	20 dB Ba	andwidth_DH5 NSE:PULSE Freq: 2.441000000 GH ree Run Avg H	s 2441 Alignal z Jold:>1/1	ATUS TO 04:57 Radio Radio (r1 2.44 4.	:16PM Oct 25, 2017 Std: None Device: BTS 11164 GHz	Center Free 2.441000000 GHz
Agilent Spectrum Analyzer - Occupied BW MSG M RL RF 50 Ω AC Center Freq 2.441000000 Io dB/div Ref Offset 0.7 dB Log Io Io 10 dB/div Ref 20.00 dBm -000 Io Io -10.0 Io Io -20.0 Io Io -30.0 Io Io -40.0 Io Io Io -60.0 Io Io Io -70.0 Io Io Io Io Center 2.441 GHz Io Io Io	20 dB Ba	andwidth_DH5	s _2441 ALIGNAL 2 3Id>1/1 MI	ATUS TO 04:57 Radio Radio (r1 2.44 4.	Span 2 MHz	Center Frec 2.441000000 GHz CF Step
Agilent Spectrum Analyzer - Occupied BW (M) RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 20.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.441 GHz #Res BW 30 kHz Occupied Bandwidth	20 dB Ba	andwidth_DH5	s _2441 ALIGNAL 2 3Id>1/1 MI	ATUS	Span 2 MHz	Center Frec 2.441000000 GHz 2.45 CF Step 200.000 kHz
Agilent Spectrum Analyzer - Occupied BW (M) RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 20.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.441 GHz #Res BW 30 kHz Occupied Bandwidth	20 dB Ba	andwidth_DH5	s _2441 ALIGNAL 2 3Id>1/1 MI	ATUS	Span 2 MHz	Center Frec 2.441000000 GHz 2.441000000 GHz 2.44100000 GHz CF Step 200.000 kHz Auto Mar



Agilent Spectrum Analyzer - Occupied BW (X) RF 50 Ω AC	SI	ENSE:PULSE	ALIGN AUTO	04:58:54 PM Oct 25, 2017	Frequency
Center Freq 2.480000000	Trig: F	er Freq: 2.480000000 GHz Free Run Avg Hol	ld: 1/1	Radio Std: None	Trequency
	#IFGain:Low #Atter	n: 30 dB	Baland	Radio Device: BTS	
Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm			WIKFT	2.480162 GHz 3.4691 dBm	
Log		A 1			
0.00		~~~^l			Center Fre 2.480000000 GH
-10.0					2.48000000 GP
-20.0				A	
-30.0					
-40.0					
-50.0					
-70.0					
Center 2.48 GHz				Span 2 MHz	
#Res BW 30 kHz	#	VBW 100 kHz		Sweep 2.133 ms	CF Ste 200.000 kH
Occupied Bandwidth		Total Power	13.2	dBm	Auto Ma
	94.99 kHz		15.2		
					Freq Offso
Transmit Freq Error	4.106 kHz	OBW Power		0.00 %	0F
x dB Bandwidth	1.029 MHz	x dB	-20.	00 dB	
MSG			STATUS	3	
MSG	20 dB B	andwidth 2DH5		\$	
		andwidth_2DH5		33	
A <mark>gilent Spectrum Analyzer - Occupied BW W RL RF 50Ω AC</mark>	/ 	ENSE:PULSE		05:01:29 PM Oct 25, 2017	Frequency
Agilent Spectrum Analyzer - Occupied BW	GHz Cente		_2402		Frequency
Agilent Spectrum Analyzer - Occupied BW WRL RF 50 Q AC Center Freq 2.402000000	GHz GHz GHz	ENSE:PULSE	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS	
Agilent Spectrum Analyzer - Occupied BW X RL RF 50Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	
Agilent Spectrum Analyzer - Occupied BW W RL RF 50Ω AC Center Freq 2.402000000	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS	
Agilent Spectrum Analyzer - Occupied BW (X RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW XX RL RF 50 & AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	
Agilent Spectrum Analyzer - Occupied BW W RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB B 10 dB/div Ref 20.00 dBm Log 0.00<	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW XX RL RF 50 & AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW QX RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00 10.0 0.00 -10.0 -20.0	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW X RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log 10 dB/div Ref 20.00 dBm 10.0	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW X RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log 10 dB/div Ref 20.00 dBm 10.0	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW QC RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB B 10 dB/div Ref 20.00 dBm AC Log 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -30.0 -40.0 -40.0 -40.0	GHz Cente HFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz	Center Fre
Agilent Spectrum Analyzer - Occupied BW X RF 50 Q AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log 0.00	GHz Cente #IFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg[Hol n: 30 dB	_2402 ALIGNAUTO	05:01:29PM Oct25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm	Center Fre 2.402000000 GH
Agilent Spectrum Analyzer - Occupied BW X RF 50 Q AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 0.00 0.00 0.00 0.00 0.00 10.0 0.00	GHz Cente #IFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hol	_2402 ALIGNAUTO	05:01:29PM Oct25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm	Center Fre 2.402000000 GH
Agilent Spectrum Analyzer - Occupied BW XI RF 50 Q AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log 0.00 0.00 0.00 10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -20.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00 -10.0 0.00 0.00 0.00	GHz Cente #IFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg[Hol n: 30 dB	_2402 ALIGN AUTO Id: 1/1 Mkr1	05:01:29PM Oct25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm	Center Fre 2.402000000 GH
Agilent Spectrum Analyzer - Occupied BW X RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00 0.00 0.00 10.0 0.00 0.00 0.00 0.00 -30.0 -40.0 -40.0 -40.0 -40.0 -70.0	GHz Cente #IFGain:Low #Atter	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg[Hol n: 30 dB	_2402 ALIGN AUTO Id: 1/1 Mkr1	Contraction of the second seco	Center Fre 2.402000000 GH 2.40200000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Occupied BW X RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log In dB/div Ref 20.00 dBm 10 dB/div Ref 20.00 dBm Log In dB/div Ref 20.00 dBm 10.0 In dB/div Ref 20.00 dBm 20.0 In dB/div Ref 20.00 dBm 10.0 In dB/div Ref 20.00 dBm 20.0 In dB/div Ref 20.00 dBm 10.0 In dB/div Ref 20.00 dBm 10.0 In dB/div Ref 20.00 dBm 20.0 In dB/div Ref 20.00 dB	GHz Cente #IFGain:Low #Atter	ENSE:PULSE Pree Run Avg Hol 1:30 dB	_2402 ALIGN AUTO d: 1/1 Mkr1 11.8	OS:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm Span 2 MHz Sweep 2.133 ms B dBm	Center Fre 2.402000000 GF 2.402000000 GF 2.40200000 GF 2.40200000 GF 2.40200000 GF 2.40200000 GF
Agilent Spectrum Analyzer - Occupied BW X RF 50 Q AC Center Freq 2.402000000 Ref Offset 0.7 dB Ref 20.00 dBm Log 0 0 0 0 10 dB/div Ref 20.00 dBm 0 0 0 0 10.0 0.00 0	GHz Cente #IFGain:Low #Atter #	ENSE:PULSE Per Freq: 2.402000000 GHz Free Run Avg[Hol n: 30 dB	_2402 ALIGN AUTO Id: 1/1 Mkr1 Mkr1 11.8 99	OS:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm Span 2 MHz Sweep 2.133 ms B dBm	Center Fre 2.402000000 GH
Agilent Spectrum Analyzer - Occupied BW W RL RF 50 Ω AC Center Freq 2.402000000 Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm Log 10.0 0.00 0.00 0.00 10.0 0.00 0.00 0.00 0.00 -20.0	GHz Cente #IFGain:Low #Atter	ENSE:PULSE Pree Run Avg Hol 1:30 dB	_2402 ALIGN AUTO Id: 1/1 Mkr1 Mkr1 11.8 99	OS:01:29PM Oct 25, 2017 Radio Std: None Radio Device: BTS 2.402162 GHz 1.6735 dBm Span 2 MHz Sweep 2.133 ms B dBm	Center Fre 2.402000000 GF 2.402000000 GF 2.40200000 GF 2.40200000 GF 2.40200000 GF 2.40200000 GF



LXI RL		AC		SENSE:PULSE	1000000 GH-	ALIGN AUTO	05:04:17 Radio St	PM Oct 25, 20:	Frequency
Center Pro	eq 2.44100			rig: Free Run Atten: 30 dB	Avg Hol			vice: BTS	
			Gain:Low ···	Atten: 00 dB		Mkr1	2.441		
10 dB/div	Ref Offset Ref 20.0							82 dBi	
Log 10.0					▲1				Center Fre
0.00				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	X				- 2.441000000 GH
-10.0						y where the second seco			_
-20.0									-
-30.0	n						L V	h_{-}	
-50.0									_
-60.0									
-70.0									-
Center 2.4		11	11			1		oan 2 MH	
#Res BW	30 kHz			#VBW 10) kHz		Sweep	2.133 m	200.000 kH
Occup	ied Band	width		Total	Power	11.9	9 dBm		<u>Auto</u> Ma
		1.17	'20 MHz	2					Freq Offs
Transm	it Freq Eri	ror	-1.897 kH	z OBW	Power	9	9.00 %		01
	-		4 200 841				00 40		
x dB Ba	Indwidth		1.290 MH	z xdB		-20.	.00 dB		
MSG				z x dB 3 Bandwidt	h_2DH5	STATU			
MSG Agjlent Spectru VId RL	<mark>n Analyzer - Οcc</mark> RF 50 Ω	AC	20 dE	3 Bandwidt		statu 2480	s	PM Oct 25, 20: d: None	17Frequency
MSG Agjlent Spectru VM RL	m Analyzer - Occ	AC 00000 GH	20 dE	Bandwidt		statu 2480 Alignauto	05:05:38 Radio St		17Frequency
MSG Agjlent Spectru VM RL	<mark>n Analyzer - Οcc</mark> RF 50 Ω	AC 00000 GH #IF	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Frequency
MSG Agjlent Spectru VM RL	m Analyzer - Occ RF 50 Ω 2q 2.48000	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None vice: BTS	Frequency
Agilent Spectru Var RL Center Fra 10 dB/div Log	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru (X) RL Center Fri Log 10.0 0.00	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	requency
Agilent Spectru Var RL Center Fra 10 dB/div Log	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru y RL Center Fro 10 dB/div Log 10.0 -10.0	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru Garter Fro Center Fro 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru Øg RL Øg RL Øg RL Og RL <	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru Garter Fro Center Fro 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0	n Analyzer - Occ RF 50 Ω 29 Q 2.48000 Ref Offset	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De Radio De 2.480	d: None wice: BTS 164 GH	Center Fre
Agilent Spectru Genter Fro Center Fro 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0	n Analyzer - 0cc RF 50 Ω Sq 2.48000 Ref Offset Ref 20.0	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt	0000000 GHz	STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De 2.480 1.48	d: None vice: BTS 164 GH 330 dBI	Center Fre 2.480000000 GF
Agilent Spectru y RL Center Fro Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0 -60.0	n Analyzer - Occ RF 50 Q eq 2.48000 Ref Offset Ref 20.0	AC 00000 GH #IF :0.7 dB	20 dE	Bandwidt		STATU 5_2480 ALIGNAUTO Id: 1/1	s 05:05:38 Radio De 2.480 1.48	d: None wice: BTS 164 GH	Center Fre 2.480000000 GF
Agilent Spectru (d RL Center Fro 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.4 #Res BW	n Analyzer - Oc RF 50 Q eq 2.48000 Ref Offset Ref 20.0 8 GHz 30 kHz	AC 200000 GH #IF 0.7 dB 0 dBm	20 dE	Bandwidt		STATU 3_2480 ALIGNAUTO Id: 1/1 Mkr1	s 05:05:38 Radio De 2.480 1.48	d: None vice: BTS 164 GH 330 dBI	Center Fre 2.480000000 GF
Agilent Spectru (d RL Center Fro 10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.4 #Res BW	n Analyzer - Occ RF 50 Q eq 2.48000 Ref Offset Ref 20.0	AC 00000 GH #IF 0.7 dB 0 dBm 0 dBm 0 dBm 0 dBm	20 dE	B Bandwidt	0000000 GHz Avg Ho	STATU 3_2480 ALIGNAUTO Id: 1/1 Mkr1	s Radio De 2.480 1.48	d: None vice: BTS 164 GH 330 dBI	Frequency IZ IZ 2.480000000 GF 2.480000000 GF IZ 2.480000000 GF IZ IZ
Agilent Spectru yd RL Center Fri Conter Fri Conter Fri Conter 2.4 #Res BW Occup	n Analyzer - Occ RF 50 Q eq 2.48000 Ref Offset Ref 20.0 8 GHz 30 kHz ied Band	AC 00000 GF #IF 0.7 dB 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 1.17	20 dE	Bandwidt	Double of the second se	STATU 2480 ALIGNAUTO Id: 1/1 Mkr1 	s Radio De 2.480 1.48 S Sweep 6 dBm	d: None vice: BTS 164 GH 330 dBI	IZ T Center Fre 2.480000000 GF 2.480000000 GF 2.480000000 GF 2.480000000 GF 2.480000000 GF 2.480000000 GF 2.480000000 GF CF Ste 200.000 kF Auto Ma
Agilent Spectru Agilent Spectru Center Fro 10 dB/div Log 10.0 .0000 .00	n Analyzer - Oc RF 50 Q eq 2.48000 Ref Offset Ref 20.0 8 GHz 30 kHz	AC 00000 GF #IF 0.7 dB 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 1.17	20 dE	Bandwidt	0000000 GHz Avg Ho	STATU 2480 ALIGNAUTO Id: 1/1 Mkr1 	s Radio De 2.480 1.48	d: None vice: BTS 164 GH 330 dBI	Frequency IZ IZ 2.480000000 GF 2.480000000 GF IZ 2.480000000 GF IZ IZ



2.Occupied Bandwidth

Test Mode Test Channel	OBW[MHz]	Limit[MHz]	Verdict
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3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	6.499	30	PASS
DH5	2441	6.434	30	PASS
DH5	2480	5.786	30	PASS
2DH5	2402	5.645	30	PASS
2DH5	2441	5.725	30	PASS
2DH5	2480	5.147	30	PASS



Agilent Spectrum Analyzer - Sw					
202 RL RF 50Ω Center Freq 2.40200	2 AC 00000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	04:55:46 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Frequency
Ref Offset 0. 10 dB/div Ref 20.00			Mkr1 2.40	01 998 125 GHz 6.499 dBm	Auto Tuno
10.0		1			Center Fre 2.402000000 GH
-10.0					Start Fre 2.399500000 GH
-20.0					Stop Fre 2.404500000 GH
-40.0					CF Stej 500.000 kH <u>Auto</u> Mai
-60.0					Freq Offse
-70.0					
Center 2.402000 GHz				Span 5.000 MHz	
	#VBW 8	B.0 MHz	Sweep 1	Span 5.000 MHz .067 ms (8001 pts)	
#Res BW 3.0 MHz	#VBW 8		Sweep 1 status Power_DH5_2	.067 ms (8001 pts)	
#Res BW 3.0 MHz	#VBW 8 Conducted		STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr	.067 ms (8001 pts) 441 04:57:40PM Oct 25, 2017 TRACE [1] 2 3 4 5 6 TYPEIM WHATMAN	Frequency
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw W RL RF 50 Ω Center Freq 2.44100 Ref Offset 0;	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tune
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw W RL RF 50 Ω Center Freq 2.44100 Ref Offset 0;	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) 441 04:57:40 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Auto Tune
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw M RL RF 50 Ω Center Freq 2.44100 Ref Offset 0. 10 dB/div Ref 20.00 d	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre 2.44100000 GH Start Free
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw X RL RF 50 Ω Center Freq 2.44100 10 dB/div Ref 20.00 0 10.0 0.00	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tune Center Free 2.44100000 GH Start Free 2.438500000 GH Stop Free
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw X RL RF 50 Ω Center Freq 2.44100 Ref Offset 0. 10 dB/div Ref 20.00 0 10.0 10.0 10.0	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tune Center Free 2.44100000 GH 2.438500000 GH Stop Free 2.443500000 GH
#Res BW 3.0 MHz Msg Agilent Spectrum Analyzer - Sw (X) RL RF 50 Ω Center Freq 2.44100 10 dB/div Ref 20.00 0 10.0 -10.0 -20.0	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH CF Stej 500.000 kH
#Res BW 3.0 MHz MSG Agilent Spectrum Analyzer - Sw X RL RF 50Ω Center Freq 2.44100 Center Freq 2.44100 Ref Offset 0. 10.0 B/div Ref 20.00 0 0.00 -00 -00 -00 -00 -00 -00 -00 -00 -00	#VBW 8 Conducted	Peak Output	STATUS Power_DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tune Center Free 2.441000000 GH 2.438500000 GH 2.438500000 GH 2.443500000 GH CF Step 500.000 kH



gilent Spectrum Analyzer - RL RF S Center Freq 2.480	50 Ω AC	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr	04:59:19 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
senter Freq 2.460	PNO: Fast · IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 10/10		
Ref Offset 0 dB/div Ref 20.0	:0.7 dB		Mkr1 2.47	9 861 250 GHz 5.786 dBm	Auto Tun
10.0		∳ ¹			Center Fre 2.480000000 G⊦
0.00					Start Fre 2.477500000 GH
20.0					Stop Fre 2.482500000 G⊦
40.0					CF Ste 500.000 kH
50.0					Auto Ma
60.0					Freq Offs 0 F
	-				
Center 2.480000 Gl Res BW 3.0 MHz		SW 8.0 MHz	_	Span 5.000 MHz .067 ms (8001 pts)	
	#VE		STATUS	.067 ms (8001 pts)	
Res BW 3.0 MHz	#VE		_	.067 ms (8001 pts)	
Res BW 3.0 MHz	#VE Conducte Swept SA	ed Peak Output	STATUS	.067 ms (8001 pts) 2402	
Res BW 3.0 MHz	#VE Conducte Swept SA		STATUS	.067 ms (8001 pts)	Frequency
RL RF 1	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tur
Res BW 3.0 MHz sg gilent Spectrum Analyzer - RL RF S Center Freq 2.402 Ref Offset 0 dB/div Ref 20.0	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre
Res BW 3.0 MHz gilent Spectrum Analyzer - RL RF S Center Freq 2.402 Ref Offset 0 dB/div Ref 20.0	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun
Res BW 3.0 MHz sg gilent Spectrum Analyzer - R R RF S Center Freq 2.402 0 dB/div Ref Offset 0 dB/div Ref 20.0 9 10.0 0.00	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre 2.40200000 GH Start Fre 2.399500000 GH Stop Fre
Res BW 3.0 MHz gilent Spectrum Analyzer - RL RF S Center Freq 2.402 Ref Offset 0 dB/div Ref 20.0 0.00 10.0	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre 2.40200000 GH 2.399500000 GH 2.399500000 GH 2.404500000 GH
Res BW 3.0 MHz gilent Spectrum Analyzer - RL RF S Center Freq 2.402 Ref Offset 0 dB/div Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tur Center Fre 2.40200000 GH 2.399500000 GH 2.404500000 GH 2.404500000 GH
Res BW 3.0 MHz sg gilent Spectrum Analyzer - RL RF Center Freq 2.402 Ref Offset 0 dB/div Ref 20.0 0 0.00 10.0 10.0 10.0 10.0 10.0 10.0 10.0	#VE	ed Peak Output	STATUS Power_2DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	067 ms (8001 pts)	Auto Tun Center Fre 2.40200000 GF Start Fre 2.399500000 GF 2.404500000 GF CF Ste 500.000 kF



LXI RL	n Analyzer - Swep RF 50 Ω eq 2.441000	AC	z		E:PULSE	Avg Type	ALIGN AUTO :: Log-Pwr	TRAG	4 Oct 25, 2017)E 1 2 3 4 5 6	Frequency
		19	IO: Fast ↔ Gain:Low	≓ Trig: Fre #Atten: 3		Avg Hold:	10/10	TY D	E MWWWWW T P P P P P P	
	Ref Offset 0.7 d Ref 20.00 dE					M	kr1 2.44	11 041 2 5.7	250 GHz 25 dBm	Auto Tur
10.0					● ¹					Center Fre 2.441000000 GH
-10.0										Start Fre 2.438500000 GH
-20.0										Stop Fre 2.443500000 GH
-30.0										CF Ste 500.000 k⊦
-50.0										Auto Ma
-60.0										Freq Offso 0 H
-70.0										
Center 2.44 #Res BW 3.			#VBW	/ 8.0 MHz		ş	Sweep 1	Span 5 .067 ms (.000 MHz 8001 pts)	
MSG										
							STATUS			
		Сог	nducted	l Peak	Output	Power_2				
LXI RL		ot SA AC					2DH5_2	2480	4 Oct 25, 2017	Frequency
LXI RL		ot SA AC DOOO GH Pt		SENS	E:PULSE		2DH5_2 ALIGNAUTO :: Log-Pwr	2480 05:06:03 PI TRAG	4 Oct 25, 2017 1≊ 1 2 3 4 5 6 15 M WWWWW T P P P P P P	Frequency
Center Fre	RF 50 Ω	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	E 23456 MWWWWW	Auto Tun
Center Fre	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tun Center Fre
OM RL Center Fre 10 dB/div	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tun Center Fre 2.48000000 GH Start Fre
Center Fre	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tun Center Fre 2.48000000 GH Start Fre 2.477500000 GH Stop Fre
M RL Center Fre 10 dB/div 1 10 dB/div 1 10.0 - -10.0 -	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tun Center Fre 2.48000000 GF Start Fre 2.477500000 GF Stop Fre
XI I Center Fre I 10 dB/div I 10.0 I 0.00 I -10.0 I -20.0 I -30.0 I -40.0 I	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tur Center Fre 2.48000000 GF Start Fre 2.477500000 GF 2.477500000 GF 2.482500000 GF CF Ste 500.000 kF
XI I Center Fre I 10 dB/div I 10.0 I 0.00 I -10.0 I -30.0 I	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tur Center Fre 2.48000000 GF Start Fre 2.477500000 GF Stop Fre 2.482500000 GF CF Ste 500.000 kF Auto Freq Offse
XI RL Center Fre 10 dB/div 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	RF 50 Ω 2 2.480000	ot SA AC DOOO GH PT IFG dB	Z IO: Fast ↔	SENS	E:PULSE e Run 0 dB	Avg Type Avg Hold:	2DH5_2 alignauto :: Log-Pwr 10/10	2480 05:06:03 PI TRA(TY 0 30 101 2	250 GHz	Auto Tun Center Fre 2.48000000 GH Start Fre 2.477500000 GH Stop Fre 2.482500000 GH CF Ste 500.000 kH



4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[kHz]	Verdict
DH5	2402	1.068	684.00	PASS
DH5	2441	0.998	688.67	PASS
DH5	2480	0.848	686.00	PASS
2DH5	2402	1.164	860.00	PASS
2DH5	2441	1.042	860.00	PASS
2DH5	2480	1.150	861.33	PASS

R. Tonse	end		F	=C	(
	Agilent Spec	-			
	Center F	req 2.4	50 Ω 10250	AC 0000)

Center Freq 2.402	500000 GHZ PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS Avg Hold: 10/10	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P	Frequency
Ref Offset	0.7 dB		ΔM	kr1 1.068 MHz -0.014 dB	Auto Tur
10 dB/div Ref 20.00	0 dBm		- www.	-0.014 uB Δ2 ^w ww.	Center Fre 2.402500000 GH
-10.0	· · · ·	March Charles		A A Marine	Start Fre
-30.0					2.401500000 GH
-50.0					Stop Fre 2.403500000 GH
Start 2.401500 GHz #Res BW 100 kHz	#VBW	300 kHz		top 2.403500 GHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
MKR MODE TRC SCL 1 Δ2 f (Δ) 2 F f 3 - -	× 1.068 MHz (Δ) 2.402 000 GHz	Y FU -0.014 dB 5.563 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offs
4 5 6 7					0 H
8 9 10 11					
MSG			STATUS		
	Carrier Fre	equency Sen			
		squoney cop	aration_DH5_24	41	
Agilent Spectrum Analyzer - S					-
	Ω AC	SENSE:PULSE	Aration_DH5_24	05:15:59PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
Center Freq 2.441	© AC 500000 GHz PNO: Wide ↔ → IFGain:Low	SENSE:PULSE	ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE M	
Center Freq 2.441 Center Freq 2.441 Ref Offset	© AC 500000 GHz PNO: Wide ↔ → IFGain:Low	SENSE:PULSE	ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P Mkr1 998 kHz 0.021 dB	Auto Tur
Center Freq 2.441 Ref Offset	© AC 500000 GHz PNO: Wide ↔ → IFGain:Low	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P Mkr1 998 kHz 0.021 dB	Auto Tun Center Fre
RL RF 50 Center Freq 2.441 Ref Offset I 10 dB/div Ref 20.00 10.0	0.2 AC 500000 GHz PN0: Wide →→ IFGain:Low 0.7 dB 0 dBm	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P ↓Mkr1 998 kHz 0.021 dB 2 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Auto Tur Center Fre 2.441500000 GF Start Fre
RL RF 50 Center Freq 2.441 Ref Offset1 10 dB/div Ref Offset1 10.0	0.2 AC 500000 GHz PN0: Wide →→ IFGain:Low 0.7 dB 0 dBm	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P ↓Mkr1 998 kHz 0.021 dB 2 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Auto Tun Center Fre 2.441500000 GF Start Fre 2.440500000 GF Stop Fre
RL RF 50 Center Freq 2.441 Ref Offset Ref Offset 10 dB/div Ref 20.00 0 10.0 0.00 0 10.0 0.00 0 10.0 0.00 0 -10.0 0.00 0 -30.0 0 0 -40.0 0 0 -60.0 0 0	0.2 AC 500000 GHz PN0: Wide →→ IFGain:Low 0.7 dB 0 dBm	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 11 2 3 4 5 6 TYPE MWWWWW DET P P P P P ↓Mkr1 998 kHz 0.021 dB 2 	Auto Tur Center Fre 2.441500000 GF Start Fre 2.440500000 GF Stop Fre
XI RF 50 Center Freq 2.441 Ref Offset So 10 dB/div Ref 20.00 Ref 20.00 10.0 Ref 20.00 Ref 20.00 -10.0 Ref 20.00 Ref 20.00 -20.0 Ref 20.00 Ref 20.00 -30.0 Ref 20.00 Ref 20.00 -40.0 Ref 20.00 Ref 20.00 -50.0 Ref 20.00 Ref 20.00 -60.0 Ref 20.00 Ref 20.00 -70.0 Ref 20.00 Ref 20.00 Start 2.440500 GHz Res BW 100 kHz	Ω AC 500000 GHz PN0: Wide ↔ IFGain:Low 0.7 dB 0 dBm √ √ √ √ √ √ √ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz 0.021 dB 2 	Auto Tur Center Fre 2.441500000 GF 2.440500000 GF 2.440500000 GF 2.442500000 GF CF Ste 200.000 kF
RL RF 50 Center Freq 2.441 Ref Offset Ref Offset 10 dB/div Ref 20.00 0 10.0	2 AC 500000 GHz PN0: Wide →→ IFGain:Low 0.7 dB 0 dBm 2	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P AMkr1 998 kHz 0.021 dB 2 10021 dB 2 1000 ms (1001 pts)	Auto Tur Center Fre 2.441500000 GF 2.440500000 GF 2.440500000 GF 2.442500000 GF 2.442500000 GF CF Ste 200.000 kF Auto Ma
XI RF 50 Center Freq 2.441 Ref Offset So Io dB/div Ref 20.00 Ref 20.00 Log Io Io Io 10.0 Io Io Io 10.0 Io Io Io -10.0 Io Io Io -20.0 Io Io Io -30.0 Io Io Io -40.0 Io Io Io -50.0 Io Io Io -60.0 Io Io Io -70.0 Io Io Io Start 2.440500 GHz If Io Io #Res BW 100 kHz If Io Io Io Io Io Io Io Io Io<	2 AC 500000 GHz PN0: Wide ↔ IFGain:Low 0.7 dB 0 dBm 2	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz 0.021 dB 2 	Auto Tun Center Fre 2.441500000 GH 2.440500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH
XI RF 50 Center Freq 2.441 Ref Offset So Conter Freq 2.441 Ref Offset So Ref Offset Ref Offset So So So So So So <th< td=""><td>2 AC 500000 GHz PN0: Wide ↔ IFGain:Low 0.7 dB 0 dBm 2</td><td>SENSE:PULSE</td><td>ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10</td><td>05:15:59PM Oct 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz 0.021 dB 2 </td><td>Auto Tun Center Fre 2.441500000 GH 2.440500000 GH 2.442500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH Auto Ma</td></th<>	2 AC 500000 GHz PN0: Wide ↔ IFGain:Low 0.7 dB 0 dBm 2	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz 0.021 dB 2 	Auto Tun Center Fre 2.441500000 GH 2.440500000 GH 2.442500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH Auto Ma
XX RE SO Center Freq 2.441 Ref Offset 1 10 dB/div Ref 20.00 10.0 Ref 20.00 -20.0 Ref 20.00 -30.0 Ref 20.00 -40.0 Ref 20.00 -50.0 Ref 20.00 -60.0 Ref 20.00 -70.0 Ref 20.00 Start 2.440500 GHz Res BW 100 kHz MKR MODE TRC SCL F 1 A2 F 2 F F 3 S S 4 S S 5 S S 6 S S 7 S S 8 S S	2 AC 500000 GHz PN0: Wide ↔ IFGain:Low 0.7 dB 0 dBm 2	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:15:59PM Oct 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz 0.021 dB 2 	Auto Tun Center Fre 2.441500000 GF 2.440500000 GF 2.442500000 GF 2.442500000 GF 2.442500000 GF CF Ste 200.000 kF Auto Ma



Center Freq 2.4795	Ω AC SENSE:PULSE 000000 GHz PN0: Wide ↔ #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:16:12 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	
Ref Offset 0 10 dB/div Ref 20.00			∆Mkr1 848 kHz -0.470 dB	Auto Tu
10.0 0.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1Δ2	wingsolve have	Center Fr 2.479500000 G
-10.0				Start Fr 2.478500000 G
-40.0				Stop Fr 2.480500000 G
- ^{70.0} Start 2.478500 GHz #Res BW 100 kHz	#VBW 300 kHz		Stop 2.480500 GHz .000 ms (1001 pts)	CF Ste 200.000 kł Auto Ma
MKR MODE TRC SCL 1 Δ2 f (Δ) 2 F f (Δ) 3 - - - 4 - - - 5 - - -	X Y F 848 kHz (Δ) -0.470 dB 2.479 150 GHz 5.471 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma Freq Offs 0 H
6 7 8 9				
10 11 <	Lu Lu		✓ ↓	
MSG	Carrier Frequency Sepa	aration 2DH5 24		
			+1.72	
Agilent Spectrum Analyzer - Sv	wept SA		+02	
Agilent Spectrum Analyzer - Sv XI RL RF 50 : Center Freq 2.4025		ALIGN AUTO #Avg Type: RMS	05:17:56 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
LXIRL RF 50:	Ω AC SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	
XI RF 50 : Center Freq 2.4025 Ref Offset 0 10 dB/div Ref 20.00	Ω AC SENSE:PULSE 000000 GHz PN0: Wide →→ IFGain:Low #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE IM WWWWW	Frequency Auto Tur
XX RF 50 Center Freq 2.4025 Ref Offset 0 10 dB/div Ref Offset 0 10 dB/div Ref 20.00 10.0	Ω AC SENSE: PULSE 000000 GHz PN0: Wide ↔ #Atten: 30 dB 0.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1kr1 1.164 MHz	Auto Tur Center Fre
XI RF 50 Center Freq 2.4025 Ref Offset 0 10 dB/div Ref 20.00 Log 10.0	Ω AC SENSE:PULSE 000000 GHz PN0: Wide → Trig: Free Run IFGain:Low #Atten: 30 dB 0.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2	Auto Tur Center Fre 2.402500000 GF Start Fre
Ref Offset 0 10 dB/div Ref Offset 0 10 dB/div Ref 20.00 -00	Ω AC SENSE:PULSE 000000 GHz PN0: Wide → Trig: Free Run IFGain:Low #Atten: 30 dB 0.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2	
XI RF 50 Center Freq 2.4025 Ref Offset 0 10 dB/div Ref 20.00 10.0	Ω AC SENSE:PULSE 000000 GHz PN0: Wide → Trig: Free Run IFGain:Low #Atten: 30 dB 0.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2	Auto Tur Center Fre 2.402500000 GF Start Fre 2.401500000 GF
XI RF 50 Center Freq 2.4025 Ref Offset 0 10 dB/div Ref 20.00 10.0 Ref 20.00 10.0 Ref 20.00 10.0 Ref 20.00 20.0 Ref 20.00 30.0 Ref 20.00 40.0 Ref 20.00 50.0 Ref 20.00 Start 2.401500 GHz Res BW 100 kHz	AC SENSE:PULSE O O PN0: Wide → IFGain:Low #Atten: 30 dB O dB dBm O AC AC	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	Auto Tur Center Fre 2.402500000 GF Start Fre 2.401500000 GF 2.403500000 GF 2.403500000 GF CF Ste 200.000 kF
X RL RF 50: Center Freq 2.4025 Ref Offset 0 50: OdB/div Ref 20.00 0.00 </td <td>Ω AC SENSE:PULSE 000000 GHz PN0: Wide → IFGain:Low Trig: Free Run #Atten: 30 dB 0.7 dB dBm </td> <td></td> <td>05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2 1Δ2 1Δ2 1Δ2 5top 2.403500 GHz</td> <td>Auto Tur Center Fre 2.402500000 GF Start Fre 2.401500000 GF Stop Fre</td>	Ω AC SENSE:PULSE 000000 GHz PN0: Wide → IFGain:Low Trig: Free Run #Atten: 30 dB 0.7 dB dBm		05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2 1Δ2 1Δ2 1Δ2 5top 2.403500 GHz	Auto Tur Center Fre 2.402500000 GF Start Fre 2.401500000 GF Stop Fre
X RF 50 Center Freq 2.4025 Center Freq 2.4025 Ref Offset0 10 dB/div Ref 20.00 -00 Ref 20.00 -00 -00 -10.0 -00 -20.0 -00 -30.0 -00 -60.0 -00 -70.0 -00 Start 2.401500 GHz #Res BW 100 kHz MKR MODE TRC SCL 1 Δ2 f (Δ) 2 f -00 -00 3 4 4 4 4 5 5 5 5 5 7 0 -00 -00 -00	Ω AC SENSE: PULSE i00000 GHz PN0: Wide → IFGain:Low Trig: Free Run #Atten: 30 dB D.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	Auto Tur Center Fro 2.402500000 Gi Start Fro 2.401500000 Gi Stop Fro 2.403500000 Gi CF Sto 200.000 ki Auto M
X RL RF 50 Center Freq 2.4025 Ref Offset 0 10 10 dB/div Ref 20.00 10 10.0	Ω AC SENSE: PULSE i00000 GHz PN0: Wide → IFGain:Low Trig: Free Run #Atten: 30 dB D.7 dB dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	05:17:56 PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWWW DET P P P P P 1kr1 1.164 MHz 2.919 dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	Auto Tur Center Fre 2.402500000 GF Start Fre 2.401500000 GF Stop Fre 2.403500000 GF CF Ste 200.000 kF Auto Freq Offs



Agilent Spectru LXI RL		P AC		SENSE	E:PULSE		ALIGN AUTO	05:19:24 F	M Oct 25, 2017	
Center Fr	eq 2.4415	Р	1z NO: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold		TRA	СЕ <u>1</u> 2 3 4 5 б РЕ М ИМИМИ РЕ Р Р Р Р Р Р	Frequency
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-60.0										2.442500000 G
-70.0										
Start 2.440			20 (BIA	0001-11					2500 GHz	
#Res BW ′			#vBW	/ 300 kHz			-		(1001 pts)	Auto M
MKR MODE TRO	f (Δ)	× 1.04	2 MHz (Δ)	۲ 0.574		CTION FUT	NCTION WIDTH	FUNCT	ON VALUE	
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MSG			nrrier Fre	equency	/ Sepai	ation_2	STATUS DH5_24			
11	RF 50 \$	vept SA 2 AC 00000 GH Pi	↓z NO: Wide ↔	SENSE	E:PULSE		DH5_24 ALIGN AUTO e: RMS	480 05:19:43F ™	M Oct 25, 2017 CE 1 2 3 4 5 6 PE M	Frequency
Agilent Spectru	RF 50 G eq 2.4795	vept SA 2 AC 00000 GH P IF		SENSE	E:PULSE	#Avg Typ	DH5_24 ALIGN AUTO e: RMS : 10/10	480 05:19:43F TRA TY I Akr1 1.1	M Oct 25, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 50 MHz	Frequency
Agilent Spectru Va RL Center Fro	RF 50 \$	vept SA 2 AC 00000 GH P IF .7 dB	↓z NO: Wide ↔	SENSE	E:PULSE	#Avg Typ	DH5_24 ALIGN AUTO e: RMS : 10/10	480 05:19:43F TRA T T I Akr1 1.1 3	M Oct 25, 2017 CE 1 2 3 4 5 6 PE MWWWWW ET P P P P P	Frequency
Agilent Spectru XI RL Center Fr	RF 50 G eq 2.4795 Ref Offset 0	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE	E:PULSE	#Avg Typ Avg Hold	DH5_24	480 05:19:43F TRA T 1 Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	M Oct 25, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 50 MHz	Frequency Auto Tu
Agilent Spectru VY RL Center Fr 10 dB/div Log 10.0	RF 50 G eq 2.4795 Ref Offset 0	vept SA 2 AC 00000 GH P IF .7 dB	Hz NO:Wide ↔ Gain:Low	SENSE	E:PULSE	#Avg Typ Avg Hold	DH5_24 ALIGN AUTO e: RMS : 10/10	480 05:19:43F TRA T 1 Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Frequency Auto Tur Center Fre
Agilent Spectru VXI RL Center From 10 dB/div Log 10.0	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Frequency Auto Tur Center Fre
Agilent Spectru MSG Agilent Spectru MG Agilent Spectru Agilent S	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Auto Tur Center Fro 2.479500000 Gl
Agilent Spectru MSG Agilent Spectru Ø/ RL Center Fr 10 dB/div 0.00 -0.00 -10.0 -20.0 -30.0	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Auto Tur Center Fro 2.479500000 G
11 MSG Agilent Spectru Øg RL Center Fr 10 dB/div Log 10.0 -0.0 -10.0 -30.0 -40.0	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Auto Tur Center Fre 2.47950000 Gl
11 Agilent Spectru MSG Image: Center Free Free Free Free Free Free Free F	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Auto Tur Center Fro 2.479500000 Gl Start Fro 2.478500000 Gl
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11 Agilent Spectru MSG Image: Center Free Free Free Free Free Free Free F	RF 50 5 eq 2.4795 Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO:Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_24	05:19:43F TRA TRA TRA TRA TA TA 3 1 ∆2 -	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Auto Tur Center Fro 2.479500000 Gl Start Fro 2.478500000 Gl Stop Fro
11 Msg Agilent Spectru Xd RL Center Fra 10 dB/div Log 10.0 0.00 -20.0 -30.0 -40.0 -60.0	Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz NO: Wide → Gain:Low	SENSE Trig: Free #Atten: 30		#Avg Typ Avg Hold	DH5_2	480 05:19:43F TRA TRA 1 Δ2 - 1 Δ	Moct 25, 2017 CE 12 3 4 5 6 PP PP PP F 50 MHz .410 dB	Frequency Auto Tur Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Str 200.000 k
11 Agilent Spectru Msg Center From 10 dB/div Center From 10.0 Center	Ref Offset 0 Ref 20.00	x	Hz N0: Wide ↔ Gain:Low	SENSE Trig: Free #Atten: 30	E:PULSE	#Avg Typ Avg Hold	DH5_2	105:19:43F TRA TRA 1 Mkr1 1.1 3 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2	Moct 25, 2017 CC 1 2 3 4 5 6 FM WWWW ET P P P P P F 50 MHz .410 dB	Frequency Auto Tur Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Str 200.000 k
Agilent Spectru MSG Agilent Spectru Ø RL Center Fr 10 dB/div -00 10.0 0.00 -00 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 2.475 #Res BW MKR MODE TRC 2	Ref Offset 0 Ref 20.00	x	Hz No: Wide ↔ Gain:Low #VBW	sense Trig: Free #Atten: 30	E:PULSE a Run b dB	#Avg Typ Avg Hold	DH5_24	105:19:43F TRA TRA 1 Mkr1 1.1 3 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2	M Oct 25, 2017 CE 12 3 4 5 6 PE M WWWW ET P P P P P F 50 MHz .410 dB .410 dB .0500 GHz (1001 pts)	Frequency Auto Tu Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Str 200.000 k Auto M
11 Agilent Spectru MSG MSG Agilent Spectru MSG MSG Center Fr 10 dB/div Conter Fr 10 dB/div Conter Fr 10 dB/div Conter Fr 10.0	Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz No: Wide ↔ Gain:Low #VBW	SENSE Trig: Free #Atten: 30	E:PULSE a Run b dB	#Avg Typ Avg Hold	DH5_24	105:19:43F TRA TRA 1 Mkr1 1.1 3 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2	M Oct 25, 2017 CE 12 3 4 5 6 PE M WWWW ET P P P P P F 50 MHz .410 dB .410 dB .0500 GHz (1001 pts)	Frequency Auto Tu Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Str 200.000 k Auto Freq Offs
Agilent Spectru Msg Agilent Spectru Ø RL Center Fr 10 dB/div -00 -00 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 2.478 #Res BW / MKR MODE TRU 3 4 5 6	Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz No: Wide ↔ Gain:Low #VBW	SENSE Trig: Free #Atten: 30	E:PULSE a Run b dB	#Avg Typ Avg Hold	DH5_24	105:19:43F TRA TRA 1 Mkr1 1.1 3 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2	M Oct 25, 2017 CE 12 3 4 5 6 PE M WWWW ET P P P P P F 50 MHz .410 dB .410 dB .0500 GHz (1001 pts)	Frequency Auto Tur Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Sto 200.000 k Auto M Freq Offs
11 Image: Content Spectrum MSG Image: Content Spectrum 10 dB/div Image: Content Spectrum 11 day Image: Content Spectrum 12 day Image: Content Spectrum 13 day Image: Content Spectrum 14 day Image: Content Spectrum	Ref Offset 0 Ref 20.00	vept SA 2 AC 000000 GH PI IF .7 dB dBm	Hz No: Wide → Gain:Low #VBW	SENSE Trig: Free #Atten: 30	E:PULSE a Run b dB	#Avg Typ Avg Hold	DH5_24	105:19:43F TRA TRA 1 Mkr1 1.1 3 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2 1 M2	M Oct 25, 2017 CE 12 3 4 5 6 PE M WWWW ET P P P P P F 50 MHz .410 dB .410 dB .0500 GHz (1001 pts)	Frequency Auto Tur Center Fr 2.479500000 G Start Fr 2.478500000 G Stop Fr 2.480500000 G CF Ste 200.000 ki Auto



5.Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.87	106.7	0.306	0.4	PASS
DH5	2441	2.87	106.7	0.306	0.4	PASS
DH5	2480	2.87	106.7	0.306	0.4	PASS
2DH5	2402	2.83	106.7	0.302	0.4	PASS
2DH5	2441	2.83	106.7	0.302	0.4	PASS
2DH5	2480	2.83	106.7	0.302	0.4	PASS



Center	r Freq	2.4020	00000		Fast ↔ :Low	Trig Dela Trig: Vide #Atten: 3	éo		Av	g Туре	: Log-Pwi	r	TRACI TYP DE	E 1 2 3 4 E W WWM T P P P P	56 ₩₩ PP	Frequency
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10 dB/d Log	iv Re	f 20.00	asm					1 ∆2							ή	
10.0				< <u>2</u>										TRIG	LVE	Center Free 2.402000000 GH;
-10.0																2.40200000 GH.
-20.0												_				Otort Eror
-30.0												_				Start Fred 2.402000000 GH;
-40.0															-	
-50.0		l hu	لاللعروفيان					in the date	ulu					t also a di brat por		Stop Free
-60.0		h.	N N N N					, Web alian	nu,			-		, National Contraction	n,	2.402000000 GH
-70.0																
	· 2.4020 N 1.0 N)00000 (1Hz	GHz		#VBM	V 3.0 MHz					Sweep	10 13	S ms (S	pan 0 2001 n	Hz (fs)	CF Step 1.000000 MH;
	E TRC SCI		×		#VDV	Y 5.0 IVII 12		FUNC			ICTION WIDT		FUNCTIO	<u> </u>	~	Auto Mar
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10						Dwell	Tir	me_D	DH5	_24	stat 41	rus				
10 11 «SG Agilent Sp XI RL	RF	nalyzer - Sw = 50 Ω 2.4410	AC		Fast ↔	SENS	E:PUL I y-2. 5	.9E 533 ms) 04:	TRAC	Oct 25, 20 E 1 2 3 4 E WWWW T P P P P	017	Frequency
10 11 MSG Agilent Sp XI RL Center	r Freq	ະ 50 ຊ 2.4410	AC	PNO:		SENS	E:PUL I y-2. 5	.9E 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	E 1 2 3 4 E WWWM T P P P P 874 n	017 5 6 P P	Frequency Auto Tune
10 11 «SG Agilent Sp XI RL	r Freq	: 50 G	AC	PNO:		SENS	E:PUL I y-2. 5	.≘∈ 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	E 1 2 3 4 E W WWM T P P P P	017 5 6 P P	Auto Tune
Agilent Sp X/ RL Center	r Freq	ະ 50 ຊ 2.4410	dBm	PNO: IFGain		SENS	E:PUL I y-2. 5	.9E 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	874 n	017 56 MPP 18	Auto Tune Center Free
10 11 MSG Agilent Sp X RL Center 10 dB/d 10.0 0.00	r Freq	ະ 50 ຊ 2.4410	dBm	PNO:		SENS	E:PUL I y-2. 5	.≘∈ 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	E 1 2 3 4 E WWWM T P P P P 874 n	017 56 MPP 18	Auto Tune
Agilent Sp X/ RL Center	r Freq	ະ 50 ຊ 2.4410	dBm	PNO: IFGain		SENS	E:PUL I y-2. 5	.≘∈ 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	874 n	017 56 MPP 18	Auto Tune Center Free 2.441000000 GH;
10 11 MSG Agilent Sp XI RL Center 10 dB/d Log 10.0 0.00 -10.0	r Freq	ະ 50 ຊ 2.4410	dBm	PNO: IFGain		SENS	E:PUL I y-2. 5	.≘∈ 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	874 n	017 56 MPP 18	Auto Tune Center Frec 2.44100000 GH: Start Frec
10 11 MSG Agilent Sp XI RL Center 10 dB/d Log 10.0 -10.0 -20.0	r Freq	ະ 50 ຊ 2.4410	dBm	PNO: IFGain		SENS	E:PUL I y-2. 5	.≘∈ 533 ms			41 Align auto :: Log-Pwi) 04: r	TRACI TYP DE	874 n	017 56 MPP 18	Auto Tune Center Free 2.441000000 GH;
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10 11 MSG Agilent Sp XI RL Center 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0	r Freq	e 50 g 2.4410 f 20.00		PNO: IFGain		SENS	E:PUL I y-2. 5	.se 533 ms 1∆2 _			41 Align auto :: Log-Pwi) 04: r	17400 1749 1749 1749 1749 1749 1749 1749 1749	874 n	017 56 PP JB	Auto Tune Center Frec 2.44100000 GH: Start Frec
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10 11 13 Agilent Sp X RL Center 10 dB/d 10.0 -10.0 -20.0 -30.0 -30.0 -30.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center	iv Re	e 20.00 ef 20.00		PNO: IFGain	:Low	SENS		.se 533 ms 1∆2 _			41 Align auto :: Log-Pwi		TRACE	E 1 2 3 4 E WWWW TP P P P 874 n 1.09 c TRIG TRIG		Auto Tune Center Free 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: CF Step 1.000000 MH:
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10 11 13 Agilent Sp 20 10 dB/dl Center 10.0 -10.0 -20.0 -20.0 -30.0 -40.0 -60.0 -60.0 -70.0 Center Res Bu MKR MOD 1 A2 3 5	r Freq iv Re 2.4410 N 1.0 M	ef 20.00	dBm	PNO: IFGain	#VBM	SENSI Trig Dela Trig: Vide #Atten: 30				g Туре 	41	2 04: r AMk	TRACE TYPP DE TT 2.: -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	E 1 2 3 4 E WWWW T P P P 874 n 1.09 c TRIG TRIG 1.09 c	D17 56 PP IB UV Hz ts	Auto Tune Center Frec 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: 2.441000000 GH: CF Step 1.000000 MH: Auto Mar Freq Offse



			Dwe	I Time_I	DH5_2480			
Agilent Spectr XI RL	r um Analyzer - Sw RF 50 ହ			ISE:PULSE	ALIG	INAUTO 04:5	9:09 PM Oct 25, 2017	
	req 2.4800	00000 GH		lay-2.533 ms	Avg Type: Lo		TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P	Frequency
			ain:Low #Atten:					
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KI RL	RF 50 Ω	2 AC	SE	ISE:PULSE	ALIG	2 3N AUTO 05:0	1:43PM Oct 25, 2017	
KI RL		2 AC 00000 GH PN	ZTrig De I0: Fast ↔ Trig: Vi	ISE:PULSE Ilay-2.533 ms deo		2 3N AUTO 05:0	1:43PM Oct 25, 2017 TRACE 12 3 4 5 TYPE WWWWWW DET P P P P P	6 Frequency
KI RL	RF 50 Ω	2 AC 00000 GH PN	Z Trig De	ISE:PULSE Ilay-2.533 ms deo	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P	Auto Tune
XI RL Center F 10 dB/div	RF 50 Ω	2 AC 00000 GH PN IFG	ZTrig De I0: Fast ↔ Trig: Vi	ISE:PULSE Ilay-2.533 ms deo	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWW DET P P P P P	Auto Tune
XI RL Center F	RF 50 0 req 2.4020 Ref 20.00	2 AC 00000 GH PN IFG dBm	ZTrig De I0: Fast ↔ Trig: Vi	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P	Auto Tune
10 dB/div	RF 50 0 req 2.4020 Ref 20.00	2 AC 00000 GH PN IFG	Z Trig De IO: Fast +++ ain:Low #Atten:	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P	Auto Tune
10 dB/div Center F 10.0 0.00 -10.0	RF 50 0 req 2.4020 Ref 20.00	2 AC 00000 GH PN IFG dBm	Z Trig De IO: Fast +++ ain:Low #Atten:	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune
10 dB/div Center F 10 dB/div 10 dB/div	RF 50 0 req 2.4020 Ref 20.00	2 AC 00000 GH PN IFG dBm	Z Trig De IO: Fast +++ ain:Low #Atten:	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune Center Freq 2.402000000 GHz Start Freq
20 dB/div Center F 10 dB/div 10.0 10.0	RF 50 0 req 2.4020 Ref 20.00	2 AC 00000 GH PN IFG dBm	Z Trig De IO: Fast +++ ain:Low #Atten:	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 3N AUTO 05:0 9g-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune Center Freq 2.40200000 GHz
20 dB/div Center F 10 dB/div 0.00 -10.0 -20.0 -30.0	Ref 20.00	2 AC 00000 GH PN IFG dBm	Z IC: Fast ↔ Trig De Trig: Vi ain:Low Atten:	ISE:PULSE lay-2.533 ms deo 30 dB	ALIG	2 NAUTO 05:0 pg-Pwr AMkr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune Center Freq 2.402000000 GHz 2.402000000 GHz
X RL Center F 10 dB/div 00 dB/div 10.0 0.00 -10.0 -20.0 -30.0 -40.0	Ref 20.00	2 AC 00000 GH PN IFG dBm	Z IC: Fast ↔ Trig De Trig: Vi ain:Low Atten:	ISE:PULSE Ilay-2.533 ms deo 30 dB	ALIG	2 IN AUTO 05:0 pg-Pwr AMkr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune Center Freq 2.40200000 GHz 2.40200000 GHz Start Freq 2.40200000 GHz
X RL Center F 10 dB/div 10.0 0.00 -10.0 -20.0 -30.0 -40.0	Ref 20.00	2 AC 00000 GH PN IFG dBm	Z IC: Fast ↔ Trig De Trig: Vi ain:Low Atten:	ISE:PULSE lay-2.533 ms deo 30 dB	ALIG	2 IN AUTO 05:0 pg-Pwr AMkr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE	Auto Tune Center Freq 2.402000000 GHz 2.402000000 GHz
Z RL Center F Conter F 10 dB/div 10.0 .00 .10.0 .20.0 .30.0 .40.0 .50.0 .60.0 .70.0 Center 2.	Ref 20.00	2 AC 00000 GH PN IFG dBm 	Z Trig De IO: Fast ↔ #Atten: ain:Low #Atten	195:PULSE Ilay-2.533 ms deo 30 dB	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr AMkr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.14 dE -	Auto Tune Center Freq 2.40200000 GHz C.40200000 GHz C.40200000 GHz CF Step
20 dB/div Center F 10 dB/div 10.0 .00 10.0 .00 .10.0 .20.0 .30.0 .40.0 .50.0 .70.0 Center 2. Res BW 1	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz GHz	Z IO: Fast ↔ ain:Low Trig: Vi #Atten: 1Δ IΔ IΔ IΔ IΔ IΔ IΔ IΔ IΔ IΔ I	ISE:PULSE Ilay-2.533 ms deo 30 dB 2 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	Genter Frequency Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Auto Tune
10 dB/div Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2. Res BW 1 MKH MODE TI	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z Z IO: Fast ↔ ain:Low Atten: Att	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.14 dE -	Genter Frequency Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Auto Tune
XI RL Center F Conter F 10 dB/div -20 d -30 d -40 d -50 d -60 d -70 d Center 2. Res BW 1 MKR MODE T	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z ID: Fast ↔ Trig De Trig: Vi #Atten: 1Δ The second	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	Genter Frequency Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Auto Tune
20 RL Center F 10 dB/div Log	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z Z IO: Fast ↔ ain:Low Atten: Att	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	General Frequency Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Stop 1.000000 MHz Auto Man
X RL Center F Conter F 10.0 10.0 10.0 10.0 -20.0 -30.0 -30.0 -30.0 -50.0 -60.0 -70.0 Center 2. Res BW 1 MKR MODE T 1 4	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z Z IO: Fast ↔ ain:Low Atten: Att	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	Auto Tune Center Freq 2.40200000 GHz CE Stop Freq 2.40200000 GHz CF Step 1.00000 MHz Auto Man Freq Offset
10 dB/div Center F 10.0 10.0 10.0 -10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2. Res BW 1 1 A2 5 6	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z Z IO: Fast ↔ ain:Low Atten: Att	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	Auto Tune Center Freq 2.40200000 GHz CE Stop Freq 2.40200000 GHz CF Step 1.00000 MHz Auto Man Freq Offset
10 dB/div Center F 10.0 10.0 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2. Res BW 1 MKR MODE 11 1 2 3 4 5 6 7 8	Ref 20.00	2 AC 00000 GH PN IFG dBm GHz X 2.33	Z Z IO: Fast ↔ ain:Low Atten: Att	ISE:PULSE Iay-2.533 ms deo 30 dB 2 	ALIC Avg Type: Lo	2 NAUTO 05:0 pg-Pwr AMkr 	TRACE 1 2 3 4 5 TYPE WWWWWW DET P P P P P 1 2.828 ms -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE -1.13 dE	Auto Tune Center Freq 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 0 Hz



0011	ter Free	2.4410	000000	GHz PNO: Fast ↔ IFGain:Low			Avg Type	: Log-Pw	r	TRACE TYPE DET	123456 WWWWWWW PPPPP	
10 di	3/div F	Ref 20.00) dBm						∆Mkr′		28 ms .21 dB	
Log 10.0 0.00		¥2	tilita en in fundation af		1Δ2	el inte di col Gèrdeniin i				-	- Rich VI	Center Freq 2.441000000 GHz
-10.0 -20.0 -30.0												Start Freq 2.441000000 GHz
-40.0 -50.0 -60.0 -70.0	1.41444144 1.41444414				And an interaction of the second s				, distanting prop			Stop Freq 2.441000000 GHz
Cen	ter 2.44 BW 1.0	1000000 MHz	GHz	#VBW	V 3.0 MHz			Sweep	10.13 r		an 0 Hz 001 pts)	CF Step 1.000000 MHz Auto Man
1 2 3		scι t (Δ) t		2.828 ms (Δ) 1.197 ms	Y -0.21 2.81 dl	dB	ICTION FUI	NCTION WID1	H FL	JNCTION	VALUE	Freq Offset
4 5 6 7 8												0 Hz
9 10												
11					Ш						>	
								STA	rus			
11					Dwell	Time_2	DH5_24		บร			
11 MSG Agilen ∭ RI	-		wept SA Ω AC DOOOOO C	GHz PN0: Fast ↔	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms			05:05	TRACE	Dct 25, 2017	Frequency
Agilen (X) RI	ter Free	rf 50 γ 2.480(Ω AC DOOOOO C	GHz PN0: Fast ↔ IFGain:Low	SENS	E:PULSE wy-2.533 ms		180 Align auto :: Log-Pw) 05:05	TRACE TYPE DET	Det 25, 2017 1 2 3 4 5 6 WWWWWWWWWWW P P P P P P 228 ms	Auto Tune
11 MSG Agilen	ter Free	RF 50	Ω AC DOOOOO C	PNO: Fast +	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms		180 Align auto :: Log-Pw) 05:05	TRACE TYPE DET	Cct 25, 2017 1 2 3 4 5 6 WWWWW P P P P P P	Auto Tune
Agilen MSG MSG 10 dł Cen 10.0 0.00	ter Free	rf 50 γ 2.480(Ω AC DOOOOO C	PNO: Fast ↔ IFGain:Low	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms		180 Align auto :: Log-Pw) 05:05	TRACE TYPE DET	Det 25, 2017 1 2 3 4 5 6 WWWWWWWWWWW P P P P P P 228 ms	Auto Tune
Agilen Agilen (X) RI Cen 10 dl Log 10.0	ter Free	rf 50 γ 2.480(Ω AC DOOOOOO C D dBm	PNO: Fast ↔ IFGain:Low	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms		180 Align auto :: Log-Pw) 05:05	TRACE TYPE DET	> > > > > > > > > > > > > >	Auto Tune Center Freq
Agilen MSG 10 dl Cen 10.0 0.00 -10.0 -20.0	B/div F	rf 50 γ 2.480(Ω AC DOOOOOO C D dBm	PNO: Fast ↔ IFGain:Low	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms		180 Align auto :: Log-Pw) 05:05	TRACE TYPE DET	> > > > > > > > > > > > > >	Auto Tune Center Freq 2.48000000 GHz Start Freq 2.48000000 GHz Stop Freq
Agilen MSG Agilen MG RI Cen 10.0 .000 -10.0 -20.0 -30.0 -40.0 -50.0	B/div F	rf 50 γ 2.480(Ω AC DOOOOOO C D dBm	PNO: Fast ↔ IFGain:Low	SENS Trig Dela → Trig: Vide	E:PULSE wy-2.533 ms		ALIGNAUTC E: Log-Pw) 05:05	TRACE TYPE DET	> > > > > > > > > > > > > >	Auto Tune Center Freq 2.48000000 GHz Start Freq 2.48000000 GHz
Agilen MSG 200 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -60.0 -70.0 Cen Res	B/div F	RF 50 2.480(Ω AC D000000 C D dBm D dBm	PNO: Fast ↔ IFGain:Low	SENSI Trig Dela Trig: Vide #Atten: 30	E:PULSE y-2.533 ms =0 0 dB		ALIGNAUTC Sweep	ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	TRACE TYPE DET 1 2.8 -0.	Ct 25, 2017 1 2 3 4 5 6 WWWWWW P P P P P P 228 ms 13 dB 	Auto Tune Center Freq 2.48000000 GHz Start Freq 2.48000000 GHz Stop Freq
Agilen MSG Agilen (y) RI Cen 10.0 40.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Cen Res MKR 1	B/div F	RF 50 2.480(Ω AC 0000000 C 0 dBm 0 dB	PNO: Fast ↔ IFGain:Low	SENSI Trig Dela Trig: Vide #Atten: 30	E:PUGE y-2.533 ms ab o d B		ALIGN AUTC EL OG-PW	ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	TRACE TYPE DET, -0.	Ct 25, 2017 1 2 3 4 5 6 WWWWWW P P P P P P 228 ms 13 dB 	Auto Tune Center Freq 2.48000000 GHz Start Freq 2.480000000 GHz Stop Freq 2.480000000 GHz CF Step 1.000000 MHz



6.Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
DH5	2402	79	>=15	PASS
2DH5	2402	79	>=15	PASS



	Hopping Channel Num	ber_DH5_2402		
Agilent Spectrum Analyzer - Swept SA				
X RL RF 50 Ω AC Center Freq 2.441750000 GH	SENSE:PULSE	ALIGN AUTO #Avg Type: RMS	05:17:20 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
PN	IO: Fast ↔ Trig: Free Run Sain:Low #Atten: 30 dB	Avg Hold: 10/10	TYPE MWWWWW DET PPPPP	Auto Tune
Ref Offset 0.7 dB 10 dB/div Ref 20.00 dBm		ΔMk	r1 78.219 MHz -0.272 dB	Auto Tune
				Center Freq 2.441750000 GHz
-10.0 / / / / / / / / / / / / / / / / / /		<u>«,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	**1*****	Start Freq 2.400000000 GHz
-50.0				Stop Freq 2.483500000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 8.	Stop 2.48350 GHz 000 ms (8001 pts)	CF Step 8.350000 MHz <u>Auto</u> Man
1 Δ2 f (Δ) 78.219 2 F f 2.401 941 3 - - - 4 - - - 5 - - -	9 MHz (Δ) -0.272 dB			Freq Offset 0 Hz
6 7 8 9 10 11				
∢ MSG	ini	STATUS		
	Hopping Channel Num	per_2DH5_2402		



Agilen	t Spectrun	n Analyzer - Sw	/ept SA								
<mark>⊮</mark> ι Cen		RF 50 Ω ຊ 2.4417 :	50000 GH		7		#Avg Ty Avg Ho	ALIGN AUTO	TRA	M Oct 25, 2017 ^{CE} 1 2 3 4 5 6 PE M WWWW	Frequency
10 di		Ref Offset 0. Ref 20.00	اF 7 dB.	NO: Fast ↔ Gain:Low	#Atten: 30		Avgino		⊳ kr1 78.0	31 MHz .291 dB	Auto Tune
Log 10.0 0.00				NARAAAAA	Non-Annalan	http://www.therew	www.	WAYYMANA		1 ∆2	Center Freq 2.441750000 GHz
-20.0 -30.0 -40.0	 										Start Freq 2.400000000 GHz
-50.0 -60.0 -70.0											Stop Freq 2.483500000 GHz
#Re	S BW 1	SCL	×		V 300 kHz Y	FUI	NCTION F	Sweep 8	.000 ms (8350 GHz 8001 pts) DN VALUE	
1 2 3 4 5 6 7 8 9 10 11	Δ2 F	f (Δ) f	78.03 2.402 11	11 MHz (Δ) 9 GHz	1.291 2.239 dE						Freq Offset 0 Hz
MSG								STATUS	3		



7.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	6.240	-56.651	-13.76	PASS
DH5	2402	Off	6.222	-56.902	-13.78	PASS
DH5	2480	On	5.938	-57.023	-14.06	PASS
DH5	2480	Off	5.387	-56.768	-14.61	PASS
2DH5	2402	On	4.878	-56.546	-15.12	PASS
2DH5	2402	Off	4.577	-57.467	-15.42	PASS
2DH5	2480	On	4.698	-55.760	-15.3	PASS
2DH5	2480	Off	4.342	-56.901	-15.66	PASS



R.)) Tonscend	

RL RF 5 Center Freq 2.400		SENSE:PULSE	ALIGNAUTO #Avg Type: RMS	05:15:45 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency		
	PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 10/10	TYPE MWWWW DET P P P P P P 388 832 5 GHz	Auto Tun		
Ref Offset 10 dB/div Ref 20.0 Log			IVINI4 2.4	-56.651 dBm			
10.0					Center Fre		
-10.0					2.400000000 GH		
-20.0					Start Fre		
-30.0		, N			2.370000000 GH		
-40.0		2					
-60.0 bibasing and an and an and an an	under and produce and strand and the	and and a second se			Stop Free 2.430000000 GH		
-70.0							
Center 2.40000 GH #Res BW 100 kHz		W 300 kHz	Sweep 5.8	Span 60.00 MHz 867 ms (8001 pts)	CF Step 6.000000 MH		
MKR MODE TRC SCL	× 2.410 162 5 GHz	Y FL 6.240 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma		
2 N f 3 N f	2.400 000 0 GHz 2.390 000 0 GHz	-56.037 dBm -59.591 dBm			Freq Offse		
4 N f 5 6	2.388 832 5 GHz	-56.651 dBm		3	0 H		
7							
9							
11				~			
Agilent Spectrum Analyzer -	Swept SA		status ssions_DH5_240				
Ban Agilent Spectrum Analyzer -	Swept SA 0 Ω AC 0 0000000 GHz PN0: Fast ↔	SENSE:PULSE		2_Hopping Off 04:55:57PM Oct 25, 2017 TRACE 12 2 4 5 5	Frequency		
Ban Agilent Spectrum Analyzer M RL RF 5 Center Freq 2.400	Swept SA 0 Ω AC D000000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 2_Hopping Off TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz			
Agilent Spectrum Analyzer - Ku RL SF 5	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 04:55:57PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency Auto Tune		
Ban Agilent Spectrum Analyzer - X RL RF 5 Center Freq 2.400 Ref Offset 10 dB/div Ref 20.0	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 2_Hopping Off TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz	Auto Tun Center Free		
Ban Agilent Spectrum Analyzer - RL RF 5 Center Freq 2.400 Ref Offset 10 dB/div Ref 20.0	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 12:55:57 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz -56.902 dBm	Auto Tun Center Free		
Agilent Spectrum Analyzer - XI RL RF 5 Center Freq 2.400 Ref Offset 10 dB/div Ref 20.0 10.0 0.00	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 2_Hopping Off TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz	Auto Tun Center Free 2.40000000 GH		
Ban Agilent Spectrum Analyzer - XI RF 5 Center Freq 2.4000 Ref Offset 10 dB/div Ref 20.0 Log	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 12:55:57 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz -56.902 dBm	Auto Tun Center Free 2.40000000 GH Start Free		
Ban Agilent Spectrum Analyzer -2 XI RF 5 Center Freq 2.400 Ref Offset 10 dB/div Ref 20.0 10 dB/div Ref 20.0	Swept SA 0 Ω AC PN0: Fast ↔ IFGain:Low :0.7 dB 0 dBm	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 12:55:57 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 387 010 0 GHz -56.902 dBm			
Ban Agilent Spectrum Analyzer - QI REF Offset Center Freq 2.400 Ref Offset 10 dB/div Ref Offset 10.0	Swept SA OΩ AC PN0: Fast ↔ IFGain:Low	SENSE:PULSE	SSIONS_DH5_240 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	2_Hopping Off 12:55:57 PM Oct 25, 2017 TRACE 1 2:3:4:5:6 TYPE MWWWWW DET P P P P P P 387 010 0 GHz -56.902 dBm -13:78 vBm	Auto Tune Center Free 2.400000000 GH Start Free 2.370000000 GH Stop Free		
Ban Agilent Spectrum Analyzer - XI RF S Center Freq 2.400 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref Offset 10.0	Swept SA 0 Ω AC PN0: Fast ↔ IFGain:Low :0.7 dB 0 dBm	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3	2_Hopping Off 12:55:57 PM Oct 25, 2017 TRACE 1 2:3:4:5:6 TYPE MWWWWW DET P P P P P P 387 010 0 GHz -56.902 dBm -13:78 vBm	Auto Tune Center Free 2.400000000 GH Start Free 2.370000000 GH Stop Free		
Ban Agilent Spectrum Analyzer - 1 XI RE SEC Center Freq 2.400 Ref Offset 10 dB/div Ref 20.0 10 dB/div Ref 20.0 10.0 -00 <th -00<="" <="" colspan="2" td=""><td>Swept SA 0 Ω AC PN0: Fast → IFGain:Low : 0.7 dB 0 dBm 0 dB</td><td>SENSE:PULSE</td><td>ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3</td><td>2_Hopping Off 177400 23 4 5 6 17976 11 23 4 5 6 1997 12 3 4 5 6 1997 12 4 5 6</td><td>Auto Tune Center Free 2.40000000 GH Start Free 2.370000000 GH Stop Free 2.43000000 GH</td></th>	<td>Swept SA 0 Ω AC PN0: Fast → IFGain:Low : 0.7 dB 0 dBm 0 dB</td> <td>SENSE:PULSE</td> <td>ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3</td> <td>2_Hopping Off 177400 23 4 5 6 17976 11 23 4 5 6 1997 12 3 4 5 6 1997 12 4 5 6</td> <td>Auto Tune Center Free 2.40000000 GH Start Free 2.370000000 GH Stop Free 2.43000000 GH</td>		Swept SA 0 Ω AC PN0: Fast → IFGain:Low : 0.7 dB 0 dBm 0 dB	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3	2_Hopping Off 177400 23 4 5 6 17976 11 23 4 5 6 1997 12 3 4 5 6 1997 12 4 5 6	Auto Tune Center Free 2.40000000 GH Start Free 2.370000000 GH Stop Free 2.43000000 GH
Ban Agilent Spectrum Analyzer - 1 XI RE S Center Freq 2.400 Ref Offsel 10 dB/div Ref 20.0 10 dB/div Ref 20.0 10.0 -00 </td <td>Swept SA 0 Ω AC PN0: Fast ↔ IFGain:Low :0.7 dB 0 dBm 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4</td> <td>SENSE:PULSE</td> <td>ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3</td> <td>2_Hopping Off 1774CE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 387 010 0 GHz -56.902 dBm -13.76 dBm</td> <td>Auto Tun Center Fre 2.400000000 GH Start Fre 2.370000000 GH Stop Fre 2.430000000 GH CF Step 6.000000 MH</td>	Swept SA 0 Ω AC PN0: Fast ↔ IFGain:Low :0.7 dB 0 dBm 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.3	2_Hopping Off 1774CE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 387 010 0 GHz -56.902 dBm -13.76 dBm	Auto Tun Center Fre 2.400000000 GH Start Fre 2.370000000 GH Stop Fre 2.430000000 GH CF Step 6.000000 MH		
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Ban Agilent Spectrum Analyzer - XI RE S Center Freq 2.4000 Ref Offset 10.0 Conter Freq 2.4000 Ref Offset 10.0	Swept SA 0 Ω AC PN0: Fast → IFGain:Low :0.7 dB 0 dBm 0 dBm 	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ssions_DH5_240	2_Hopping Off 17RACE 12 3 4 5 6 17VFE 12 4 4 17VFE 12	Auto Tune Center Free 2.40000000 GH Start Free 2.370000000 GH Stop Free 2.43000000 GH CF Step 6.000000 MH		
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Ban Agilent Spectrum Analyzer - 20 RL Ref Offset Center Freq 2.4000 Io dB/div Ref 20.0 Io dB/div Io data Io data Io data Io data <thio data<="" th=""> Io data</thio>	Swept SA 0 Ω AC PN0: Fast → IFGain:Low :0.7 dB 0 dBm 0 dBm 	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ssions_DH5_240	2_Hopping Off 17RACE 12 3 4 5 6 17VFE 12 4 4 17VFE 12	Auto Tune Center Free 2.400000000 GH Start Free 2.370000000 GH 2.430000000 GH CF Step 6.000000 MH Auto Mai Freq Offse		



Agilent Spectrum Analyzer - Swept ΙΧΙ RL RF 50 Ω A Center Freq 2.4835000	AC SENSE:PULSE	ALIGNAUTO #Avg Type: RMS	05:16:41 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
Center Frey 2.4033000	DUU GH2 PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Hold: 10/10	TYPE MWWWWW DET P P P P P P	
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			-14.05 dBm	Center Fre 2.483500000 GH
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-50.0	1, 2 Historym	**************************************		Stop Fre 2.513500000 GH
Center 2.48350 GHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 5.8	Span 60.00 MHz 867 ms (8001 pts)	CF Ste 6.000000 MH <u>Auto</u> Ma
2 N f 2.4 3 N f 2.4	455 165 0 GHz 5.938 dBm 483 500 0 GHz -59.715 dBm 500 000 0 GHz -60.054 dBm 492 545 0 GHz -57.023 dBm			Freq Offse 0 H
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<mark>Agilent Spectrum Analyzer - Swept</mark> I <mark>XI</mark> RL RF 50Ω A	SA AC SENSE:PULSE	ALIGNAUTO	04:59:29 PM Oct 25, 2017	Frequency
<mark>Agilent Spectrum Analyzer - Swept</mark> (<mark>XI</mark> RL RF 50Ω A	SA AC SENSE:PULSE DOO GHZ PN0: Fast ↔ Trig: Free Run		04:59:29 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
Agilent Spectrum Analyzer - Swept 3 WR RL RF 50 Q A Center Freq 2.4835000	SA AC SENSE:PULSE DOO GHZ PN0: Fast ↔ IFGain:Low #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	04:59:29PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Frequency Auto Tune
Agilent Spectrum Analyzer - Swept 3 20 RL RF 50 Q A Center Freq 2.4835000 Ref Offset 0.7 dl 10 dB/div Ref 20.00 dB	SA AC SENSE:PULSE DOO GHZ PNO: Fast ++ IFGain:Low #Atten: 30 dB B	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	04:59:29 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	
Agilent Spectrum Analyzer - Swept 3 XI RL RF 50 Q A Center Freq 2.4835000 Ref Offset 0.7 di	SA AC SENSE:PULSE DOO GHZ PNO: Fast ++ IFGain:Low #Atten: 30 dB B	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	04:59:29PM Oct 25, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P 189 680 0 GHZ	Auto Tune
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Agilent Spectrum Analyzer - Swept 3 (μ RL RF 50 Ω A Center Freq 2.4835000 Ref Offset 0.7 df 10 dB/div Ref 20.00 dB 10.0 0.00 -10.0 -20.0 -30.0	SA AC SENSE:PULSE DOO GHZ PNO: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB B M	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	04:59:29PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P P 189 680 0 GHz -56.768 dBm	Auto Tune Center Free 2.483500000 GH Start Free 2.453500000 GH
Agilent Spectrum Analyzer - Swept 3 20 RL RF 50 Q A Center Freq 2.4835000 Ref Offset 0.7 dl 10 dB/div Ref 20.00 dB 10.0 0.00 -10.0 -20.0 -30.0 -40.0	SA AC SENSE:PULSE DOO GHZ PNO: Fast $\rightarrow \rightarrow$ Trig: Free Run #Atten: 30 dB B m 1 1 1 1 1 1 1 1 1 1 1 1 1	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.4	04:59:29PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P P 189 680 0 GHz -56.768 dBm	Auto Tun Center Free 2.483500000 GH Start Free 2.453500000 GH Stop Free
Agilent Spectrum Analyzer - Swept 3 Center Freq 2.4835000 Ref Offset 0.7 dl 10 dB/div Ref 20.00 dB 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	SA AC SENSE:PULSE DOO GHZ PRO: Fast +++ IFGain:Low #Atten: 30 dB B M 1 1 2 2 2	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.4	04:59:29PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 189 680 0 GHz -56.768 dBm -14.61 dBm	Auto Tune Center Free 2.483500000 GH Start Free
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Agilent Spectrum Analyzer - Swept S Xi RF 50 Q A Center Freq 2.4835000 Ref Offset 0.7 dl A A A C A A C A A C A A C A A C A A C A A C A A C A	SA AC SENSE:PULSE DOO GHZ PNO: Fast →→ IFGain:Low #Atten: 30 dB B m 	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.4	04:59:29PM Oct 25, 2017 TRACE [] 2 3 4 5 6 TYPE [MWWWW DET P P P P P 489 680 0 GHz -56.768 dBm -14.61 dBm -	Auto Tune Center Free 2.483500000 GH 2.453500000 GH 2.513500000 GH 2.513500000 GH CF Step 6.000000 MH Auto Mai Freq Offse
Agilent Spectrum Analyzer - Swept S XI RF 50 Q A Center Freq 2.48350000 Ref Offset 0.7 dl 10 dB/div Ref 20.00 dB 10 0 Ref 20.00 dB 10 0 Ref 20.00 dB 10 0 Ref 20.00 dB -0 0 Ref 20.00 dB -10 0 -10 0 -20 0 -10 0 -30 0 -10 0 -40 0 -10 0 -50 0 -10 0 -60 0 -10 0 -10 0 -70 0 -10 0 -10 0 -70 0 -10 0 -10 0 -20 0 -10 0 -10 0 -20 0 -10 0 -10 0 -20 0 -10 0 -10 0 -20 0 -10 0 -10 0 -10 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0 -20 0	SA AC SENSE:PULSE DOO GHZ PNO: Fast →→ IFGain:Low #Atten: 30 dB B m 	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10 Mkr4 2.4	04:59:29PM Oct 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWAG DET P P P P P 189 680 0 GHz -56.768 dBm -14.81 dBm	Auto Tune Center Free 2.483500000 GH 2.453500000 GH 2.513500000 GH 2.513500000 GH CF Step 6.000000 MH Auto Mai Freq Offse



Band-e					
Agilent Spectrum Analyzer - Swe					
RL RF 50 Ω Center Freq 2.40000		SENSE:PULSE	ALIGNAUTO #Avg Type: RMS	05:19:05 PM Oct 25, 2017 TRACE 1 2 3 4 5 6	Frequency
Solitor 1164 2.40000	PNO: Fast +	Trig: Free Run	Avg Hold: 10/10		
	IFGain:Low	#Atten: 30 dB			Auto Tun
Ref Offset 0.7	′dB		Mkr4 2.3	371 927 5 GHz	
10 dB/div Ref 20.00 d				-56.546 dBm	
10.0				1	Contor
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0.00		/h/~vity	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	ዀኯኯኯ፟፟፟፟ጞጞጞጞጞጞጞጞ፟፟፟፟	2.400000000 GH
-10.0				-15.12 dBm	
-20.0					Start Fre
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					2.43000000 GH
-70.0					
Center 2.40000 GHz				Span 60.00 MHz	CF Ste
#Res BW 100 kHz	#VBW	300 kHz	Sweep 5.3	367 ms (8001 pts)	6.000000 MH
MKR MODE TRC SCL	×		UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
	2.424 847 5 GHz	4.878 dBm			
	2.400 000 0 GHz	-51.922 dBm -59.391 dBm			Freq Offse
4 N f	2.371 927 5 GHz	-56.546 dBm			0+
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MSG	AC 0000 GHz	SENSE:PULSE		02_Hopping Of 05:02:03PM Oct 25, 2017 TRACE 12:3345 6 TYPE MWWWWW	Frequency
ৰ Band-e Agilent Spectrum Analyzer - Swe XI RL RF 50 ହ	pt SA	SENSE:PULSE	SSIONS_2DH5_24(ALIGNAUTO #Avg Type: RMS	02_Hopping Of 05:02:03PM Oct 25,2017 TRACE 1 2 3 4 5 6	Frequency
< Band-e Band-e Agilent Spectrum Analyzer - Swe X RL RF 50 Q Center Freq 2.40000	pt SA AC 0000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	D2_Hopping Of 05:02:03PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 384 722 5 GHz	Frequency
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د ISG Band-e Agilent Spectrum Analyzer - Swe R RL RF 50 Ω Center Freq 2.40000 Ref Offset 0.7 10 dB/div Ref 20.00 d	pt SA AC 00000 GHz PNO: Fast ↔ IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	D2_Hopping Of 05:02:03PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 384 722 5 GHz	Frequency Auto Tun Center Fre
Agilent Spectrum Analyzer - Swe Agilent Spectrum Analyzer - Swe X RL RF 50 Q Center Freq 2.40000 Ref Offset 0.7 10 dB/div Ref 20.00 d 10.0	pt SA AC 00000 GHz PNO: Fast ↔ IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	02_Hopping Of 05:02:03PM oct 25, 2017 TRACE 11 2 3 4 5 6 TYPE MWWWW DET P P P P P 384 722 5 GHz -57.467 dBm	Frequency Auto Tur
Asg Asg Band-e Agilent Spectrum Analyzer - Swe X RL RF 50 Q Center Freq 2.40000 Center Freq 2.40000 Ref Offset 0.7 10 dB/div Ref 20.00 d Log 10.0 0.00	pt SA AC 00000 GHz PNO: Fast ↔ IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	D2_Hopping Of 05:02:03PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 384 722 5 GHz	Frequency Auto Tun Center Fre 2.40000000 GF
K Band-e Isg Band-e Isglent Spectrum Analyzer - Swe R X RF 50 Ω Center Freq 2.40000 Ref Offset 0.7 10 dB/div Ref 20.00 d 10.0 0.00 .10.0	pt SA AC 00000 GHz PNO: Fast ↔ IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	02_Hopping Of 05:02:03PM oct 25, 2017 TRACE 11 2 3 4 5 6 TYPE MWWWW DET P P P P P 384 722 5 GHz -57.467 dBm	Frequency Auto Tur Center Fre 2.40000000 GF Start Fre
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Mikr4 2.491 615 0 GHz 10 dB/div Ref 20.00 dBm -55.760 dBm 10 dB/div 1 -55.760 dBm 10 dB/div 1 -55.760 dBm 10 dB/div 1 -55.760 dBm 10 dB/div -1 -55.760 dBm 20 dB/div -1 -1 20 dB/div -1 -2 40 dB/div -2 -4 20 dB/div -2 -2 20 dB/div	00000 GH tart Free 00000 GH top Free 00000 GH CF Stee 00000 MH Ma
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Signature Status MSG Status Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off Agilent Spectrum Analyzer - Swept SA OM RL RF PN0: Fast ↔ Trig: Free Run IFGain:Low #AvgHold: 10/10 TRACE [12:3 4:5 6 TYPE] PN0: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB Mkr4 2.491 397 5 GHz -56.901 dBm 10 dB/div Ref 20.00 dBm Agilent Spectrum Analyzer - Swept SA MKr4 2.491 397 5 GHz -56.901 dBm	
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4 N f 2.491 397 5 GHz -56.901 dBm	
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8.RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	30	25000	100	300	6.188	-51.890	<- 13.812	PASS
DH5	2441	30	25000	100	300	5.932	-52.016	<- 14.068	PASS
DH5	2480	30	25000	100	300	5.504	-50.898	<- 14.496	PASS
2DH5	2402	30	25000	100	300	4.696	-51.644	<- 15.304	PASS
2DH5	2441	30	25000	100	300	4.685	-50.852	<- 15.315	PASS
2DH5	2480	30	25000	100	300	4.204	-52.005	<- 15.796	PASS



XI RL	trum Analyzer - Sw RF 50 Ω Freq 2.40200	AC 00000 G	Hz PNO: Wide ↔ Gain:Low	7		#Avg Typ Avg Hold:		TRA	PM Oct 25, 2017 ACE 1 2 3 4 5 6 YPE M WWWWW DET P P P P P P	Frequency
10 dB/div Log	Ref Offset 0.7 Ref 20.00 (7 dB	-Gam.LOw			1	Mkr1 2.4		′ 25 GHz 188 dBm	Auto Tune
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-10.0			and we want and a start of the	{		- man	Mary Mary			Start Freq 2.401000000 GHz
-20.0		Amon M.						Anna	-13.81 dBm	Stop Freq 2.403000000 GHz
-40.0	**************************************								May Marine	CF Step 200.000 kHz <u>Auto</u> Man
-50.0										Freq Offset 0 Hz
#Res BV	.402000 GHz / 100 kHz		#VBW	V 300 kHz				.067 ms	2.000 MHz (8001 pts)	
#Res BV ^{NSG} Agilent Spec XI RL		AC 000000	GHz	SENSE	E:PULSE	#Avg Typ	STATUS ALIGN AUTO e: RMS	.067 ms	(8001 pts)	Frequency
#Res BM MISG Agilent Spec XI RL Center	/ 100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (7 dB		SENSE	E:PULSE		ALIGN AUTO e: RMS : 2/10	067 ms	(8001 pts)	A
#Res BV ^{NSG} Agilent Spec XI RL	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.515(AC 000000 (7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Typ	ALIGN AUTO e: RMS : 2/10	067 ms	(8001 pts)	A
#Res BV Agilent Spec XI RL Center 10 dB/div Log	/ 100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Typ	ALIGN AUTO e: RMS : 2/10	067 ms	(8001 pts)	Auto Tune Center Freq
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#Res BW Agilent Spec 20 Agilent Spec 20 10 dB/div 20 10.0	/ 100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Typ	ALIGN AUTO e: RMS : 2/10	067 ms	(8001 pts) M Oct 25, 2017 VCE [1 2 3 4 5 6 VPET WWWW PET WWWWW PET P P P P P 466 GHz 390 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq
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	trum Analyzer - Sw									
Center F	RF 50 Ω Freq 2.44100)0000 G	PNO: Wide +			#Avg Typ Avg Hold		TRA	M Oct 25, 2017 CE 1 2 3 4 5 6 (PE M WWWWW DET P P P P P P	Frequency
10 dB/div	Ref Offset 0.7 Ref 20.00 (7 dB	FGain:Low	#Atten: 3		I	Mkr1 2.4	441 147	00 GHz 32 dBm	Auto Tune
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#Res BW	.441000 GHz 100 kHz		#VBW	/ 300 kHz				.067 ms	2.000 MHz (8001 pts)	
#Res BW ^{//SG}	100 kHz		#VBW	/ 300 kHz			Sweep 1	.067 ms	2.000 MHZ (8001 pts)	
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#Res BW Agilent Spect XI RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0	7 100 kHz rum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (7 dB	GHz PN0: Fast ↔	SENSI	E:PULSE	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:57:59P 04:57:59P TRA TY C kr2 24.5	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
#Res BW Msgl Agilent Spect XI RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0	7 100 kHz rum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (7 dB	GHz PNO: Fast ↔ FGain:Low	SENSI	E:PULSE	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 2/10	04:57:59P 04:57:59P TRA TY C kr2 24.5	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz Auto Man Freq Offset
#Res BW Agilent Spect XI RL Center F 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	7 100 kHz rum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 (GHz PNO: Fast ↔ FGain:Low	SENSI	E:PULSE	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 2/10	04:57:59P 04:57:59P TRA TY C kr2 24.5	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto Man



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Agilent Spect XI R L	t <mark>rum Analyzer - Sv</mark> RF 50 S	vept SA Σ AC		SENSE	E:PULSE		ALIGN AUTO	04:59:36	PM Oct 25, 2017	
	Freq 2.4800	00000 GI	Hz NO: Wide ↔ Gain:Low	1	Run	#Avg Typ Avg Hold:	e: RMS	TRA	ACE 1 2 3 4 5 6 YPE MWWWWW DET P P P P P P	Frequency
10 dB/div	Ref Offset 0. Ref 20.00	.7 dB				1	Mkr1 2.4) 00 GHz 504 dBm	
10.0				↓ ¹						Center Freq 2.480000000 GHz
-10.0				, /^		and the second sec	man comby		-14.50 dBm	Start Freq 2.479000000 GHz
-20.0							, AV	The second se		Stop Freq 2.481000000 GHz
-40.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								the second of	CF Step 200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
	.480000 GHz / 100 kHz		#VBW	/ 300 kHz			Sweep 1	1	(8001 pts)	
#Res BW ^{Asg} Agilent Spect	I 100 kHz trum Analyzer - Sv RF 50 S Freq 12.515 Ref Offset 0.	vept SA 2 AC 0000000 C F IF 7 dB		SENSE			ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	M Oct 25, 2017 ACE 1 2 3 4 5 6 YPE M WWWWW DET P P P P P 529 GHz	Frequency Auto Tune
#Res BW Agilent Spect XI RL Center F 10 dB/div	V 100 kHz trum Analyzer - Sw RF 50 S Freq 12.515	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	PM Oct 25, 2017 ACE 1 2 3 4 5 6 YPE M WWWWW DET P P P P P P	Frequency Auto Tune
#Res BW Agilent Spect XI RL Center F 10 dB/div	I 100 kHz trum Analyzer - Sv RF 50 S Freq 12.515 Ref Offset 0.	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	M Oct 25, 2017 ACE 1 2 3 4 5 6 YPE M WWWWW DET P P P P P 529 GHz	Frequency Auto Tune
#Res BW ISG Agilent Spect XI RL Center F 10 dB/div Log	/ 100 kHz trum Analyzer - Sv RF 50 G Freq 12.515 Ref Offset 0. Ref 20.00	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	M Oct 25, 2017 ACE 1 2 3 4 5 6 YPE M WWWWW DET P P P P P 529 GHz	Frequency Auto Tune Center Freq
#Res BW #sg #gilent Spect gilent Spect gilt RL Center F 10 dB/div 0.00	/ 100 kHz trum Analyzer - Sv RF 50 G Freq 12.515 Ref Offset 0. Ref 20.00	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	^{2M Oct 25, 2017} ACE 1 2 3 4 5 6 VPE M WWWWW DET P P P P P P 529 GHz 398 dBm	Frequency Auto Tune Center Freq 12.51500000 GHz Start Freq
#Res BW Misg Agilent Spect Zenter F 10.0 10.0 -10.0 -20.0	/ 100 kHz trum Analyzer - Sv RF 50 G Freq 12.515 Ref Offset 0. Ref 20.00	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	^{2M Oct 25, 2017} ACE 1 2 3 4 5 6 VPE M WWWWW DET P P P P P P 529 GHz 398 dBm	Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz
#Res BW Msg Agilent Spect XI RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0	/ 100 kHz trum Analyzer - Sv RF 50 G Freq 12.515 Ref Offset 0. Ref 20.00	vept SA 2 AC 0000000 C F IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:496 TR/ TR/	^{2M Oct 25, 2017} ACE 1 2 3 4 5 6 VPE M WWWWW DET P P P P P P 529 GHz 398 dBm	Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz
#Res BW Assi Agilent Spect Agilent Spect 20 dB/div 10 dB/div 10 dB/div 20 dB/div 10 dB/div -00 dV/div -00 dV/div -00 dV/div -00 dV/div	/ 100 kHz trum Analyzer - Sv RF 503 Freq 12.515 Ref Offset 0. Ref 20.00 1 1 1 1 1 1 1 1 1 1 1 1 1	vept SA 2 AC 0000000 C F IF IF 7 dB dBm	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	04:59:497 TR/ TR/ -50.8	PM Oct 25, 2017 ACE [] 2 3 4 5 6 YPE M WWWWW DET P P P P P 529 GHz 398 dBm -14.50 dBm -14.50 dBm	Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz Latro CF Step 2.49700000 GHz Auto Man Freq Offset 0 Hz
#Res BW Misg Agilent Spect Agilent Spect 10 dB/div Center F 10.0 -0.00 -10.0 -20.0 -30.0 -60.0 -60.0 -70.0 Start 30	/ 100 kHz trum Analyzer - Sv RF 503 Freq 12.515 Ref Offset 0. Ref 20.00 1 1 1 1 1 1 1 1 1 1 1 1 1	vept SA 2 AC 0000000 C F IF IF 7 dB dBm	Gain:Low	SENSE	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10 M	04:59:497 TR/ TR/ -50.8	^{2M Oct 25, 2017} ACE 1 2 3 4 5 6 VPE M WWWWW DET P P P P P P 529 GHz 398 dBm	Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.49700000 GHz Auto Freq Offset 0 Hz



	trum Analyzer - Swi			071.00						
XI RL Center F	RF 50 Ω Freq 2.40200	00000 GH	1z NO: Wide ↔ Gain:Low]		#Avg Typ Avg Hold:	ALIGN AUTO e: RMS 10/10	TRAG	M Oct 25, 2017 CE 1 2 3 4 5 6 PE M WWWWW ET P P P P P P	Frequency
10 dB/div	Ref Offset 0.7 Ref 20.00 (7 dB	Jam.Low			1	Mkr1 2.4		50 GHz 96 dBm	Auto Tune
10.0				● 1						Center Freq 2.402000000 GHz
0.00		for the second	mm	n Lynn	M		and and a second			Start Freq 2.401000000 GHz
-20.0									-15.30 dBm	Stop Freq 2.403000000 GHz
	munda								a manager and the	CF Step 200.000 kHz <u>Auto</u> Man
-50.0										Freq Offset 0 Hz
	.402000 GHz								.000 MHz	
#Res BW	.402000 GH2 / 100 kHz		#VBW	(300 kHz			Sweep 1. STATUS	1	8001 pts)	
#Res BW ^{Asg}	f 100 kHz trum Analyzer - Sw	ept SA	#VBW				STATUS			
#Res BW ^{MSG} Agilent Spect X/ RL	/ 100 kHz	ept SA AC 000000 G P		SENSE	e:PULSE		STATUS ALIGN AUTO e: RMS	05:02:23 PI	4001 pts) 40ct25,2017 № 123456 РЕМ ЖИЖИ ЕТРРРРР	Frequency
#Res BW Agilent Spect XI RL Center F 10 dB/div	f 100 kHz trum Analyzer - Sw RF 50 Ω	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	M Oct 25, 2017 ☞ 1 2 3 4 5 6	Frequency Auto Tune
#Res BW MSG Agilent Spect XI RL Center F	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	M Oct 25, 2017 TE 1 2 3 4 5 6 PE MWWWW ET P P P P P D02 GHz	
#Res BW MSG Agilent Spect XI RL Center F 10 dB/div Log	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	MOCt 25, 2017 TE 1 2 3 4 5 6 FE MWWWWW ET P P P P P P D02 GHz 44 dBm	Auto Tune Center Freq
#Res BW Asg Asg Agilent Spect Zenter F 10.0 10.0 -10.0 -20.0	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	M Oct 25, 2017 TE 1 2 3 4 5 6 PE MWWWW ET P P P P P D02 GHz	Auto Tune Center Freq 12.515000000 GHz Start Freq
#Res BW Agilent Spect Agilent Spect Y RL Center F 10.0 .0.00 .10.0	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	MOCt 25, 2017 E 1 2 3 4 5 6 PE MWWWWW TP P P P P DO2 GHz 44 dBm -15.30 dBm	Start Freq 30.000000 GHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz
#Res BW Asig Agilent Spect Agilent Spect Agilent Spect Agilent Spect Agilent Spect 10.0 10.0 -0.00 -10.0 -20.0 -30.0	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	MOCt 25, 2017 TE 1 2 3 4 5 6 FE MWWWWW ET P P P P P P D02 GHz 44 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz Auto Man
#Res BW Misg Agilent Spect 20 dB/div 10 dB/div 10.0 -10.0 -20.0 -30.0 -40.0	/ 100 kHz trum Analyzer - Swu RF 50 Ω Freq 12.5150 Ref Offset 0.7	ept SA AC D000000 G P IF4	GHz N0: Fast ↔	SENSE	e:PULSE	#Avg Typ	ALIGN AUTO e: RMS 2/10	05:02:23 PI TRAI TY D K r2 23.0	MOCt 25, 2017 E 1 2 3 4 5 6 PE MWWWWW TP P P P P DO2 GHz 44 dBm -15.30 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2497000000 GHz Auto



Center F	RF 50 Ω Freq 2.44100	Р	NO: Wide +	Trig: Free		#Avg Type Avg Hold:		TRA	PM Oct 25, 2017 ACE 1 2 3 4 5 6 APE M WWWWWW DET P P P P P P P	Frequency
10 dB/div	Ref Offset 0.7 Ref 20.00 (7 dB	Gain:Low	#Atten: 30	Jab	Ŋ	/kr1 2.4	41 161	25 GHz 85 dBm	Auto Tune
10.0						 				Center Freq 2.441000000 GHz
-10.0		of the second	-Narran a	MANAN		harrow	N. M. Marine and	<u> </u>		Start Freq 2.44000000 GHz
-20.0									-15.32 dBm	Stop Freq 2.442000000 GHz
-30.0 -40.0									and the second	CF Step 200.000 kHz
-50.0										Auto Man Freq Offset 0 Hz
-70.0										0 HZ
Center 2.	.441000 GHz							Span 2	2.000 MHz	
	100 kHz		#VBW	/ 300 kHz		:	-	.067 ms	(8001 pts)	
MSG	100 kHz		#VBW	/ 300 kHz		5	Sweep 1.	.067 ms	(8001 pts)	
NSG <mark>Agilent Spect</mark> <mark>XI</mark> RL	100 kHz trum Analyzer - Sw	rept SA 2 AC 000000 Q P	GHz PNO: Fast ↔	SENSE	E:PULSE		STATUS	.067 ms	(8001 pts)	Frequency
Agilent Spect XI RL Center F 10 dB/div	ר איז	rept SA 2 AC 0 000000 C P IF 7 dB	GHz	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts)	Frequency Auto Tune
Agilent Spect XI RL Center F	100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts) M Oct 25, 2017 ICE 11 2 3 4 5 6 PPE MWWWW DET P P P P P 972 GHz	
Agilent Spect XI RL Center F 10 dB/div	7 100 kHz rum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts) M Oct 25, 2017 ICE 11 2 3 4 5 6 PPE MWWWW DET P P P P P 972 GHz	Auto Tune Center Freq
Agilent Spect XI RL Center F 10 dB/div Log 10.0	100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts) M Oct 25, 2017 ICE 11 2 3 4 5 6 PPE MWWWW DET P P P P P 972 GHz	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spect Agilent Spect Center F 10 dB/div Log 10.0 -10.0	100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz
Agilent Spect X RL Center F 10 dB/div Log 10.0 -10.0 -20.0 -30.0	100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 25.00000000 GHz CF Step 2.497000000 GHz Auto
Agilent Spect Agilent Spect Center F 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0	100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0	rept SA 2 AC 0 000000 C P IF 7 dB	GHz PNO: Fast ↔	SENSE	E:PULSE	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:05:01F	(8001 pts)	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz



XI RL		AC		SENSE	E:PULSE		ALIGN AUTO	05:06:20 PM	1 Oct 25, 2017	Frequency
Center F	req 2.48000	Р	Hz NO: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Type Avg Hold:		TY	Е <u>1</u> 2 3 4 5 6 Рем икими ТРРРРРР	Frequency
10 dB/div Log	Ref Offset 0.7 Ref 20.00 (Ν	/lkr1 2.4	80 162 4.2	25 GHz 04 dBm	Auto Tune
10.0					•	1				Center Freq 2.480000000 GHz
-10.0	,	and the second second	-	V Laver	- www.mp	And and the second	Law and a second	\		Start Freq 2.479000000 GHz
-20.0									-15.80 dBm	Stop Freq 2.481000000 GHz
-30.0 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	man hand the second									CF Step
-50.0										200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
-70.0										
								0		
	.480000 GHz / 100 kHz		#VBW	300 kHz		9	Sweep 1	span 2 .067 ms (.000 MHz 8001 pts)	
#Res BW			#VBW	300 kHz		5	Sweep 1	.067 ms (.000 MHZ 8001 pts)	
#Res BW		ept SA	#VBW	300 kHz		;		.067 ms (.000 MHz 8001 pts)	
#Res BW ^{MSG} Agilent Spect XI RL	/ 100 kHz	AC		SENSE			STATUS ALIGN AUTO 2: RMS	.067 ms (05:06:33Pi TRAC	8001 pts) 40ct25,2017 ≆ 1 2 3 4 5 6	Frequency
#Res BW ^{MSG} Agilent Spect XI RL	វ 100 kHz trum Analyzer - Sw RF 50 ល	AC 000000 Q P IF 7 dB	GHz	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	8001 pts) 10ct25,2017 ≆123456	Frequency Auto Tune
#Res BW MSG Agilent Spect XI RL Center F	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	8001 pts) 40ct25,2017 Е[123456 еминини трРРРРР 82 GHz	
#Res BW MSG Agilent Spect XI RL Center F 10 dB/div Log 10.0 0.00	/ 100 kHz trum Analyzer - Sw ℝF 50 Ω Freq 12.5150 Ref Offset 0.7	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	8001 pts) 40ct25,2017 Е[123456 еминини трРРРРР 82 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
#Res BW msg Apjlent Spect yr RL Center F 10 dB/div 10.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	8001 pts) 40ct25,2017 Е[123456 еминини трРРРРР 82 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz
#Res BW Agilent Spect Agilent Spect Y RL Center F 10.0 .000 .10.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	40ct 25, 2017 E 11 2 3 4 5 6 MWWWW TP P P P P P 82 GHz 05 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq
#Res BW Msg Agilent Spect V// RL Center F 10.0 10.0 -10.0 -20.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	40ct 25, 2017 E 11 2 3 4 5 6 MWWWW TP P P P P P 82 GHz 05 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
#Res BW Agilent Spect Agilent Spect XI RL Center F Agilent Spect 10.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	40ct 25, 2017 E 11 2 3 4 5 6 MWWWW TP P P P P P 82 GHz 05 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz Auto
#Res BW Agilent Spect Agilent Spect 20 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -40.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 o	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	.067 ms (05:06:33Ph TRAC TYI DI kr2 24.4	40ct 25, 2017 E 11 2 3 4 5 6 MWWWW TP P P P P P 82 GHz 05 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
#Res BW Agitent Spect Agitent Spect 20 dB/div Center F 10.0 10.0 -10.0 -20.0 -30.0 -60.0	/ 100 kHz trum Analyzer - Sw RF 50 Ω Freq 12.5150 Ref Offset 0.7 Ref 20.00 0 1 1 1 1 1 1 1 1 1 1 1 1 1	AC 000000 Q P IF 7 dB	GHz PNO: Fast ↔	SENSE	Run	#Avg Type	STATUS ALIGN AUTO 2: RMS 2/10	05:06:33PM TRAC TYN DI (r2 24.4 -52.0	40ct 25, 2017 E 11 2 3 4 5 6 MWWWW TP P P P P P 82 GHz 05 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.497000000 GHz Auto Man Freq Offset



Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-51.88	2.000	0	45.380	PEAK	54	PASS
DH5	On	2390.0	-49.71	2.000	0	47.550	PEAK	54	PASS
DH5	On	2483.5	-49.48	2.000	0	47.780	PEAK	54	PASS
DH5	On	2500.0	-48.89	2.000	0	48.370	PEAK	54	PASS
2DH5	On	2310.0	-51.10	2.000	0	46.160	PEAK	54	PASS
2DH5	On	2390.0	-50.57	2.000	0	46.690	PEAK	54	PASS
2DH5	On	2483.5	-48.39	2.000	0	48.870	PEAK	54	PASS
2DH5	On	2500.0	-49.23	2.000	0	48.030	PEAK	54	PASS

9.Restrict-band band-edge measurements



AvgiHoid: 10/10 TYPE MWW DET P P Mkr3 2.390 000 G -49.705 dl	茾 Trig: Free Run	PNO: Fast	nter Freq 2.3520
	#Atten: 30 dB		Ref Offset 0 dB/div Ref 20.00
			0 0 0
n to the state of the second		Manatanakii imiana ina katana kanana ina katana kanana katana katana katana katana katana katana katana katana 	
Stop 2.40400 (Sweep 1.067 ms (8001	SW 3.0 MHz	#VE	o art 2.30000 GHz es BW 1.0 MHz
NCTION FUNCTION WIDTH FUNCTION VALUE	6.398 dBm -51.879 dBm -49.705 dBm	× 2.402 076 GHz 2.310 000 GHz 2.390 000 GHz	MODE TRC SCL N f N f N f F
ALIGNAUTO 05:00:00 PM Oct 25, Ava Type: Log - Pwr TRACE 12 3	SENSE:PULS	Swept SA 10 Ω AC 10000000 GHz PN0: Fast •	ent Spectrum Analyzer - S
Mkr3 2.500 000 00 G	#Atten: 30 dB		Ref Offset 0 dB/div Ref 20.00
in a Million de tra chi a ve de la c		2	
стом расстор чилого чило	W 3.0 MHz		
PH5_2480 5:00:00PM Oct 25, TRACE 12 3 TYPE 12 3 TYPE 12 3 TYPE 12 3 TYPE 12 3 TYPE 12 3 TYPE 12 3	Sweep 1.06	Status SW 3.0 MHz Status Status SW 3.0 MHz Status	Image: Status Status #VBW 3.0 MHz Sweep 1.06 X Y FUNCTION FUNCTION WIDTH 2.310 000 GHz -51.879 dBm -51.879 dBm - - 2.330 000 GHz -49.705 dBm - - - - 2.390 000 GHz -49.705 dBm - - - - - Status Status Status Status Status Status Status estrict-band band-edge measurements_PEAK_D -



Frequency	05:02:34 PM Oct 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	ALIGN AUTO vg Type: Log-Pwr vg Hold: 10/10	SENSE:PULSE Trig: Free Run #Atten: 30 dB	50 Ω AC 7000000 GHz PN0: Fast • IFGain:Low	ter Freq 2.357
Auto Tur	2.390 000 GHz -50.572 dBm	Mkr3 :		t 0.7 dB	Ref Offset B/div Ref 20.0
Center Fr 2.357000000 G					
Start Fre 2.310000000 GF					
Stop Fre 2.404000000 Gł		n, che civitilo tint of a thick of a	n un alle and an alle and a second		
CF Ste 9.400000 Mi <u>Auto</u> Mi	Stop 2.40400 GHz 067 ms (8001 pts)	Sweep 1.0	7 3.0 MHz	#VB	t 2.31000 GHz s BW 1.0 MHz
Freq Offs			5.010 dBm -51.104 dBm -50.572 dBm	2.402 167 GHz 2.310 000 GHz 2.390 000 GHz	N f N f N f
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		status nents_PEAK_	d-edge measu	Restrict-band ba	R
Frequency	DH5_2402	nents_PEAK_	d-edge measu	- Swept SA 50 Ω AC	t Spectrum Analyzer - - RF 50
	DH5_2402	ALIGNAUTO vg Type: Log-Pwr vg Hold: 10/10	SENSE:PULSE	Swept SA 50 Q AC DOUCLOOD GHZ PNO: Fast - IFGain:Low	t Spectrum Analyzer - RF St ter Freq 2.489 Ref Offset
Auto Tur Center Fre	DH5_2402	ALIGNAUTO vg Type: Log-Pwr vg Hold: 10/10	SENSE:PULSE	Swept SA 50 Q AC DOUCLOOD GHZ PNO: Fast - IFGain:Low	t Spectrum Analyzer - - RF 50 ter Freq 2.489
Auto Tur Center Fre 2.48900000 Gi Start Fre	DH5_2402	ALIGNAUTO vg Type: Log-Pwr vg Hold: 10/10	SENSE:PULSE	Swept SA 50 Q AC DOUCLOOD GHZ PNO: Fast - IFGain:Low	t Spectrum Analyzer - RF 50 ter Freq 2.489 Ref Offset B/div Ref 20.0
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Auto Tur Center Fra 2.489000000 Gl Start Fra 2.478000000 Gl Stop Fra 2.500000000 Gl CF Star 2.200000 Ml	DH5_2402	ALIGNAUTO vg Type: Log-Pwr rg Hold: 10/10 Mkr3 2.5	SENSE:PULSE Trig: Free Run #Atten: 30 dB	Swept SA 50 Q AC PNO: Fast IFGain:Low t 0.7 dB 00 dBm 20 dBm 40.7 dB 10 dBm 40	Spectrum Analyzer - Ster Freq 2.489 ter Freq 2.489 Ref Offset B/div Ref 20.0 1 1 4 1 5 1 5 5 6 1 5 1 5 5 6 1 5 1 5 1 6 1 1 1
Auto Tur Center Fre 2.48900000 GF Start Fre 2.478000000 GF 2.50000000 GF 2.50000000 GF CF Ste 2.20000 MF	DH5_2402	ALIGNAUTO vg Type: Log-Pwr rg Hold: 10/10 Mkr3 2.5	SENSE:PULSE Trig: Free Run #Atten: 30 dB	Swept SA 50 Q AC PNO: Fast - IFGain:Low t 0.7 dB 00 dBm 	t Spectrum Analyzer - RF 54 ter Freq 2.489 Ref Offset B/div Ref 20.0 1 1 1 1 1 1 1 1 1 1 1 1 1