

A.1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	0.9726		PASS
DH5	2441	0.9698		PASS
DH5	2480	1.028		PASS
2DH5	2402	1.286		PASS
2DH5	2441	1.284		PASS
2DH5	2480	1.285		PASS
3DH5	2402	1.297		PASS
3DH5	2441	1.288		PASS
3DH5	2480	1.288		PASS

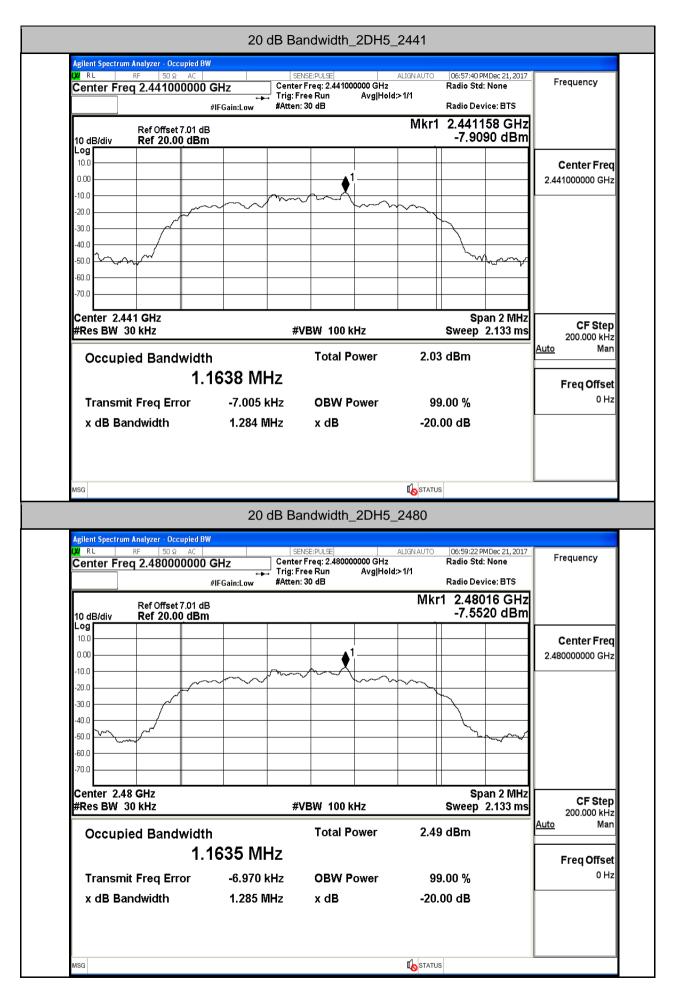


Agilent Spectrum Analyzer - Occupied BV XI RF 50 Ω AC Center Freq 2.402000000	GHz Cente	ENSE:PULSE er Freq: 2.402000000 GHz Free Run Avg Hold	Radio S	2 PM Dec 21, 2017 Std: None	Frequency
		n: 30 dB	Radio [evice: BTS	
Ref Offset 7.01 dE			Mkr1 2.4	0216 GHz ′381 dBm	
10 dB/div Ref 20.00 dBm Log	▶ <u>.</u> 		-0.7		
10.0					Center Fre
0.00		∳'			2.402000000 GH
-10.0					
-20.0					
-30.0					
-50.0				m _~~	
-60.0				~	
-70.0					
Center 2.402 GHz			<u> </u>	Span 2 MHz	CE Otor
#Res BW 30 kHz	#	#VBW 100 kHz	Swee	p 2.133 ms	CF Stej 200.000 kH
Occupied Bandwidtl	n	Total Power	3.17 dBm		<u>Auto</u> Ma
	85.36 kHz				Free Aff
Transmit Freq Error	-1.807 kHz	OBW Power	99.00 %		Freq Offse
-					
x dB Bandwidth	972.6 kHz	x dB	-20.00 dB		
	V	Bandwidth_DH5_		4 DM Dor 21 2017	
Agilent Spectrum Analyzer - Occupied BV	v GHz Cente Trig:I	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio 5 d: 1/1	i4 PMDec 21, 2017 Std: None	Frequency
XURL RF 50Ω AC	v GHz Cente Trig:I	ENSE:PULSE	ALIGN AUTO 06:50:5 Radio 5 d: 1/1 Radio 1	Std: None Device: BTS	Frequency
RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS	Frequency
RL RF 50 Ω AC Center Freq 2.441000000 Ref 0ffset 7.01 dE Ref 0ffset 7.01 dE 10 dB/div Ref 20.00 dBm Ref 20.00 dBm	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	
RL RF 50 Ω AC Center Freq 2.441000000 Ref 0ffset 7.01 dE Ref 0ffset 7.01 dE 10 dB/div Ref 20.00 dBm	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm Log 10.0 10.0	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	
Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm 10.0 0.00	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm 0.00	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm 10.0	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm 10.0 0.00 0.00 -10.0 -0.0 -0.0 -30.0 -0.0 -0.0 -50.0 -0.0 -0.0	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE 10 dB/div Ref 20.00 dBm 10.0	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50:5 Radio S d: 1/1 Radio I Mkr1 2.4	Std: None Device: BTS 4116 GHz	Center Free
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00 0	v GHz #IFGain:Low 3	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Sitd: None Device: BTS 4116 GHz 3215 dBm	Center Free
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm	GHz GHz #IFGain:Low Attended Center Trig: 1 #Attended Atten	ENSE:PULSE er Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Span 2 MHz	Center Free 2.441000000 GH
RL RF 50 Q AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00 <td< td=""><td>GHz GHz Fig: Cente Trig: #Attent Attent</td><td>SENSE:PULSE Pr Freq: 2.441000000 GHz Free Run Avg Hold n: 30 dB</td><td>ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3</td><td>Sitd: None Device: BTS 4116 GHz 3215 dBm</td><td>Center Free 2.441000000 GH</td></td<>	GHz GHz Fig: Cente Trig: #Attent Attent	SENSE:PULSE Pr Freq: 2.441000000 GHz Free Run Avg Hold n: 30 dB	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Sitd: None Device: BTS 4116 GHz 3215 dBm	Center Free 2.441000000 GH
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00	A center of the second	SENSE:PULSE PrFreq: 2.441000000 GHz Free Run Avg Hold n: 30 dB	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Span 2 MHz	Сепtег Free 2.441000000 GH 2.45 СF Stej 200.000 кH
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00	GHz GHz Fig: Cente Trig: #Attent Attent	SENSE:PULSE Pr Freq: 2.441000000 GHz Free Run Avg Hold n: 30 dB	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Span 2 MHz	Center Free 2.441000000 GH 2.441000000 GH CF Step 200.000 kH Auto Mai Freq Offse
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00	A center of the second	SENSE:PULSE Pr Freq: 2.441000000 GHz Free Run Avg Hold n: 30 dB	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3	Span 2 MHz	Center Free 2.441000000 GH 2.441000000 GH CF Stej 200.000 kH <u>Auto</u> Mai
X RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00	GHz GHz Figain:Low Center Trig: 1 Atter	EVSE:PULSE Pr Freq: 2.441000000 GHz Free Run Avg Hold n: 30 dB	ALIGNAUTO 06:50: Radio S d: 1/1 Mkr1 2.4 -6.3	Span 2 MHz	Center Free 2.441000000 GH 2.441000000 GH CF Step 200.000 kH Auto Mai Freq Offse
RL RF 50 R AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm Ref 20.00 dBm 10.0 0.00 0.00 0.00 10.0 0.00 0.00 0.00 0.00 .00 .00 0.00 0.00 0.00 .00 .00 .00 0.00 0.00 .00 .00 .00 .00 0.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 <	GHz HIFGain:Low Attend Atte	ENSE:PULSE Preq: 2.44100000 GHz Free Run Avg Hold n: 30 dB Free Run Avg Hold Avg Hold Av	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3 	Span 2 MHz	Center Free 2.441000000 GH 2.441000000 GH CF Step 200.000 kH Auto Mai Freq Offse
RL RF 50 R AC Center Freq 2.441000000 Ref Offset 7.01 dE Ref 20.00 dBm 10 dB/div Ref 20.00 dBm Ref 20.00 dBm 10.0 0.00 0.00 0.00 10.0 0.00 0.00 0.00 0.00 .00 .00 0.00 0.00 0.00 .00 .00 .00 0.00 0.00 .00 .00 .00 .00 0.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 <	GHz HIFGain:Low Attend Atte	ENSE:PULSE Preq: 2.44100000 GHz Free Run Avg Hold n: 30 dB Free Run Avg Hold Avg Hold Av	ALIGNAUTO 06:50: Radio 5 d: 1/1 Mkr1 2.4 -6.3 	Span 2 MHz	Center Free 2.441000000 GH 2.441000000 GH CF Step 200.000 kH Auto Mai Freq Offse



Agilent Spectrum Analyzer - Occ LX/ RL RF 50 Ω			SENG	E:PULSE		ALIGN AUTO	06·52·40 D	MDec 21, 2017	
Center Freq 2.48000				req: 2.48000	0000 GHz Avg Hole		Radio Std		Frequency
	#IFGa	⊶⊷ iin:Low	#Atten: 3		Arginon	u. 171	Radio Dev	ice: BTS	
Ref Offset	7.01 dB					Mkr1		52 GHz	
10 dB/div Ref 20.00				1	1		-5.89	16 dBm	
10.0									Center Fre
0.00				 −−•• ¹					2.480000000 GH
-10.0		~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			+			
-20.0					~~~	\downarrow			
-30.0							~		
-40.0							- V		
-50.0								\sim	
-60.0									
Center 2.48 GHz #Res BW 30 kHz			#\/	BW 100 k	H7		Sween	an 2 MHz 2.133 ms	CF Ste
THE DAY OF VICE			# V 0	599 100 K	112		oweeh	2.133 1115	200.000 kH <u>Auto</u> Ma
Occupied Band	width			Total P	ower	4.02	2 dBm		
	885.0	02 kH	lz						Freq Offse
Transmit Freq Err	or	-2.101 kl	H7	OBW P	ower	0	9.00 %		0+
x dB Bandwidth		-2.101 Ki 1.028 Mi		x dB	0.0001		00 dB		
X dB Bandwidth		1.028 191	HZ	хав		-20.	00 aB		
MSG		20 d	IB Ban	ndwidth_	_2DH5_	to statu _2402	S		
Agilent Spectrum Analyzer - Occ ເXI RL RF 50 ຂ	AC		SENS	6E:PULSE		-	06:55:17 P	MDec 21, 2017 None	Frequency
Agilent Spectrum Analyzer - Occ	AC 0000 GHz		SENS Center F Trig: Fre	E:PULSE Freq: 2.40200 e Run		_2402	06:55:17 P Radio Std	None	Frequency
Agilent Spectrum Analyzer - Occ (μ) RL RF 50 Ω Center Freq 2.40200	AC 0000 GHz #IFGa		SENS Center F	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev	None ice: BTS	Frequency
Agilent Spectrum Analyzer - Occ X RL RF 50 Ω Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None	Frequency
Agilent Spectrum Analyzer - Occ 27 RL RF 50 Ω Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00 Log	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	
Agilent Spectrum Analyzer - Occ X RL RF 50 Ω Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ Agilent Spectrum Analyzer - Occ Canter Freq 2.40200 Ref Offset 10 dB/div Ref 20.00 Log	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ A RL RF 50 Ω Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00 Log 10.0 0.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ XX RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00 0.00 0.00 -10.0 0.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Frequency Center Fre 2.402000000 GH
Agilent Spectrum Analyzer - Occ X RL RF 50 Ω Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00 10.0 0.00 0.00 -10.0 -0.0 -0.0 -30.0 -40.0 -0.0	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ XX RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021	None ice: BTS 58 GHZ	Center Fre
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref 20.00 Log	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run	0000 GHz	_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre
Agilent Spectrum Analyzer - Occ XX RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00	AC 0000 GHz #IFGa 7.01 dB		SENS Center F Trig: Fre #Atten: 3	E:PULSE Freq: 2.40200 e Run		_2402 ALIGN AUTO d: 1/1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz	Center Fre 2.40200000 GF 2.40200000 GF CF Ste 200.000 kF
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00 Log	AC 0000 GHz #IFGa 7.01 dB 0 dBm		SENS Center F Trig: Fre #Atten: 3	SE:PULSE Treq: 2.40200 e Run 80 dB	0000 GHz Avg Hold	_2402 ALIGN AUTO d: 1/1 Mkr1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre 2.40200000 GH
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00 Log	AC 0000 GHz #IFGa 7.01 dB 0 dBm	z	SENS Center F Trig: Fre #Atten: 3	BW 100 k	0000 GHz Avg Hold	_2402 ALIGN AUTO d: 1/1 Mkr1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre 2.402000000 GH 2.40200000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00 Log 10.0 10.0 10.0 -20.0	AC 00000 GHz #IFGa 7.01 dB 0.dBm	s8 MH	SENS Center F Trig: Fre #Atten: 3	BW 100 k	0000 GHz Avg Hold	_2402 ALIGN AUTO d: 1/1 Mkr1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre 2.40200000 GH 2.40200000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Occ W RL RF 50 Q Center Freq 2.40200 Io Ref Offset 10 dB/div Ref Offset 10 dB/div Ref Offset 10 dB/div Ref Offset 10.0 10.0 10.0 20.0 30.0 -70.0 Center 2.402 GHz #Res BW 30 kHz Occupied Band Transmit Freq Err	AC 00000 GHz #IFGa 7.01 dB 0.dBm	58 MH -6.892 kl	SENS Center F Trig: Fre #Atten: 3	BW 100 k Total P	0000 GHz Avg Hold	_2402 ALIGN AUTO d: 1/1 Mkr1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre 2.40200000 GH 2.40200000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Occ X RL RF 50 Q Center Freq 2.40200 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref 20.00 Log 10.0 10.0 10.0 -20.0	AC 00000 GHz #IFGa 7.01 dB 0.dBm	s8 MH	SENS Center F Trig: Fre #Atten: 3	BW 100 k	0000 GHz Avg Hold	_2402 ALIGN AUTO d: 1/1 Mkr1	06:55:17 P Radio Std Radio Dev 2.4021 -8.36	None ice: BTS 58 GHz 21 dBm	Center Fre 2.40200000 GH







RL RF 50 Ω Center Freq 2.40200		Center	NSE:PULSE Freq: 2.40200	0000 GHz	ALIGN AUTO	07:06:17 PMD Radio Std: N		Frequency
	#IFGain:Lov		ree Run : 30 dB	Avg Hol	ld: 1/1	Radio Device	: BTS	
Ref Offset	:7.01 dB				Mkr1	2.40214		
10 dB/div Ref 20.0	0 dBm					-8.4340) dBm	
10.0								Center Fre
0.00			∮ 1					2.402000000 GH
-10.0	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~				
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-60.0								
-70.0								
Center 2.402 GHz	1		(BW) 400.			Span	2 MHz	CF Ste
#Res BW 30 kHz		#\	VBW 100 k	HZ		Sweep 2.	133 ms	200.000 kH
Occupied Band	width		Total P	ower	1.47	′ dBm		<u>Auto</u> Ma
	1.1736	MHz						FreqOffse
Transmit Freq Err	ror -3.3	94 kHz	OBW P	ower	99	0.00 %		0+
x dB Bandwidth		97 MHz	x dB			00 dB		
					201			
MSG Agilent Spectrum Analyzer - Occ	cupied BW	20 dB Ba		_3DH5				
Agilent Spectrum Analyzer - Oco	cupied BW	SE Center	NSE:PULSE • Freq: 2.44100	0000 GHz	_2441 alignauto	07:08:41 PMD Radio Std: N		Frequency
Agiient Spectrum Analyzer - Oct QU RL RF 50Ω	cupied BW	SE Center	NSE:PULSE Freq: 2.44100 ree Run		_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device	one e: BTS	Frequency
Agiient Spectrum Analyzer - Oct QU RL RF 50Ω	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Frequency
Agilent Spectrum Analyzer - Oct X RL RF 50 Ω Center Freq 2.44100 Ref Offset 10 dB/div Ref 20.0 Log	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device	one ∷BTS 4 GHz	
Agilent Spectrum Analyzer - Occ Canter Freq 2.44100 Ref Offset 10 dB/div Ref 20.0	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Frequency Center Fre 2.44100000 GH
Agilent Spectrum Analyzer - Ocd XI RL RF 50 Ω Center Freq 2.44100 Ref Offset 10 dB/div Ref 20.0 10.0	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - Oct Ø RL RF 50 Ω Center Freq 2.44100 Io Bef Offset Io Bef 20.0 Io Io Io Io Io Io Io Io Io Io Io Io <thio< th=""> Io Io <</thio<>	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - 0cd XI RF 50 Ω Center Freq 2.44100 Ref Offset 10 dB/div Ref 20.0 10.0	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - Oct XI RF 50 @ Center Freq 2.44100 Io Ref Offset 10 dB/div Ref 20.0 Io Io 200 Io -10.0 Io -20.0 Io -30.0 Io -30.0 Io	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - Ocd KL RF 50 % Center Freq 2.44100 Ref Offset 10 dB/div Ref Offset 10.0	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - Ocd XI RF 50 Ω Center Freq 2.44100 Io dB/div Ref Offset Log	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.44115	one ∷BTS 4 GHz	Center Fre
Agilent Spectrum Analyzer - Oct XI RF 50 @ Center Freq 2.44100 Io Ref Offset 10 dB/div Ref 20.0 Ioo	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	SE Center	NSE:PULSE Freq: 2.44100 ree Run	0000 GHz	_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523	one a: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH
Agilent Spectrum Analyzer - 0cd XI RF 50 Ω Center Freq 2.44100 Io Bef Offset Io Io Io	Cupied BW AC D0000 GHz #IFGain:Lov 7.01 dB	Center Trig: Fi w #Atten:	NSE:PULSE Freq: 2.44100 ree Run		_2441 ALIGN AUTO	07:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH 2.545 2.00.000 kH
Agilent Spectrum Analyzer - 0cd XI RF 50 Ω Center Freq 2.44100 Io B/div Ref Offset 10 B/div Ref 20.0 10.0	Cupied BW AC DOOOO GHZ #IFGain:Lov 7.01 dB 0 dBm	Center Trig: Fi w #Atten:	NSE:PULSE Freq: 2.44100 ree Run : 30 dB	0000 GHz Avg Hol	_2441 ALIGN AUTO Id: 1/1 Mkr1	07:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH
Agilent Spectrum Analyzer - 0cd Ø RL RF 50 Ω Center Freq 2.44100 Io B/div Ref Offset Io B/div Ref 20.0 Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io Io <thio< th=""> Io Io <thio<< td=""><td>Cupied BW AC DOOOO GHZ #IFGain:Lov 7.01 dB 0 dBm</td><td>Center Trig: Fi W #Atten:</td><td>NSE:PULSE • Freq: 2.44100 ree Run : 30 dB</td><td>0000 GHz Avg Hol</td><td>_2441 ALIGN AUTO Id: 1/1 Mkr1</td><td>07:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523</td><td>e: BTS 4 GHz 3 dBm</td><td>Center Fre 2.441000000 GH 2.441000000 GH CF Ste 200.000 kH Auto Ma</td></thio<<></thio<>	Cupied BW AC DOOOO GHZ #IFGain:Lov 7.01 dB 0 dBm	Center Trig: Fi W #Atten:	NSE:PULSE • Freq: 2.44100 ree Run : 30 dB	0000 GHz Avg Hol	_2441 ALIGN AUTO Id: 1/1 Mkr1	07:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH 2.441000000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Occ XI RF 50 R Center Freq 2.44100 Ref Offset 10 dB/div Ref Offset Log	Cupied BW AC DO0000 GHz #IFGain:Lov 7.01 dB 0 dBm 0 dBm 0 dBm 0 dBm 1.1713	#Atten:	NSE:PULSE Freq: 2.44100 ree Run : 30 dB	0000 GHz Avg Hol	_2441	D7:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523 -7.252	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH 2.441000000 GH CF Ste 200.000 kH Auto Ma
Agilent Spectrum Analyzer - Oct XI RF 50 Q Center Freq 2.44100 Io dB/div Ref Offset Io dB/div Ref 20.0 Log Io Io.0 Io Io Io Io Io Io <thio< th=""> Io</thio<>	Cupied BW AC D00000 GHz #IFGain:Lov CO O dBm CO CO HWID WID WID CO CO CO CO CO CO CO CO CO CO	WHZ 19 kHz	NSE:PULSE Freq: 2.44100 ree Run : 30 dB /BW 100 k Total Pe OBW P	0000 GHz Avg Hol	_2441 ALIGN AUTO Id: 1/1 Mkr1 1.97 95	07:08:41 PMD Radio Std: N Radio Device 2.441156 -7.2523 	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH 2.545 2.00.000 kH
Agilent Spectrum Analyzer - Occ X RF 50 Ω Center Freq 2.44100 Ref Offset 10 dB/div Ref Offset Log	Cupied BW AC D00000 GHz #IFGain:Lov CO O dBm CO CO HWID WID WID CO CO CO CO CO CO CO CO CO CO	#Atten:	NSE:PULSE Freq: 2.44100 ree Run : 30 dB	0000 GHz Avg Hol	_2441 ALIGN AUTO Id: 1/1 Mkr1 1.97 95	D7:08:41 PMD Radio Std: N Radio Device 2.441150 -7.2523 -7.252	e: BTS 4 GHz 3 dBm	Center Fre 2.441000000 GH 2.441000000 GH CF Ste 200.000 kH Auto Ma



		#IFGain:Low #Atter	n: 30 dB	ld: 1/1	Radio Device: BTS	
10 dB/div	Ref Offset 7.01 dB Ref 20.00 dBm			Mkr1	2.480154 GH -6.6556 dBr	
Log 10.0 0.00			1			Center Fre 2.480000000 GH
-10.0 -20.0 -30.0					\	-
-40.0 -50.0						- -
-70.0 Center 2.48 #Res BW 3					Span 2 MH	Z CF Ster
	ed Bandwidth	1	VBW 100 kHz Total Power	2.57 (Sweep 2.133 m dBm	S 200.000 kH <u>Auto</u> Mar
Transmit	ר T.1 t Freq Error ndwidth	1686 MHz -3.303 kHz 1.288 MHz	OBW Power x dB	99.(-20.0(00 %	Freq Offse 0 H



Test Mode	Test Channel	Measured Maximum Peak Power(dBm)	Limits (dBm)	Verdict
DH5	2402	-3.393	30	PASS
DH5	2441	-3.650	21	PASS
DH5	2480	-3.264	30	PASS
2DH5	2402	-4.474	21	PASS
2DH5	2441	-4.071	21	PASS
2DH5	2480	-3.570	21	PASS
3DH5	2402	-4.432	21	PASS
3DH5	2441	-3.847	21	PASS
3DH5	2480	-3.281	21	PASS



LXI RL	um Analyzer - Swe RF 50 Ω	AC	1-	SENS	E:PULSE	Avg Type:			Dec 21, 2017	Frequency
Center F	req 2.40200	Р	1Z NO: Fast ↔ Gain:Low	Trig: Fre #Atten: 3		Avg Hold:		TYP	E M WWWWWW F P P P P P	
10 dB/div	Ref Offset 7.0 Ref 20.00 d	1 dB	Guinicow			Μ	kr1 2.40 [.]	1 758 7 -3.39	50 GHz 93 dBm	Auto Tur
10.0										Center Fre 2.402000000 GH
0.00				¹						Start Fre
-10.0										2.399500000 GH
-30.0										Stop Fre 2.404500000 GH
-40.0										CF Ste 500.000 k⊢ <u>Auto</u> Ma
-50.0										Freq Offse
-70.0										
Center 2	102000 GHz							Snan 5	000 MHz	
Center 2. #Res BW	402000 GHz 3.0 MHz		#VBW	/ 8.0 MHz			Sweep 1.0	Span 5.)67 ms (8	000 MHz 3001 pts)	
#Res BW	3.0 MHz					t Power_	STATUS)67 ms (1	000 MHz 3001 pts)	
#Res BW MSG Agilent Spectr	3.0 MHz um Analyzer - Swe	ept SA AC 10000 GH P	onducte Iz N0: Fast ↔	d Peak	Output E:PULSE e Run	t Power_	DH5_24	067 ms (8 41 06:51:27 PM TRACI	Dec 21,2017	Frequency
#Res BW MSG Agilent Spectri W RL Center F 10 dB/div	3.0 MHz um Analyzer - Swe RF 50 Ω	ept SA AC 100000 GH P IF	onducte Iz	d Peak	Output E:PULSE e Run	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 1 2 3 4 5 6 MWWWWW TPPPPPP	Auto Tun
#Res BW MSG Agilent Spectr XI RL Center F	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PULSE e Run	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun
#Res BW Agilent Spectr (x) RL Center F 10 dB/div Log 10.0 0.00	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PULSE e Run	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun Center Fre
#Res BW MSG Agilent Spectr Center F 10 dB/div Log 10.0	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PUSE e Run 0 dB	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun Center Fre 2.441000000 GH Start Fre 2.438500000 GH Stop Fre
#Res BW Agilent Spectro X0 RL Center F 10.0 10.0 -10.0 -20.0 -30.0	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PUSE e Run 0 dB	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun Center Fre 2.44100000 GF 2.438500000 GF 2.438500000 GF 2.443500000 GF
#Res BW Msg Agilent Spectronic Spectrope Spectrope Spectronic Spectronic Spectronic Spectrope Spectroni	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PUSE e Run 0 dB	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun Center Fre 2.44100000 GF Start Fre 2.438500000 GF Stop Fre 2.443500000 GF CF Ste 500.000 kF
#Res BW Agilent Spectro Val RL Center F 10 dB/div -0.00 -10.0 -20.0 -30.0 -40.0	3.0 MHz um Analyzer - Swe RF 50 Ω req 2.44100 Ref Offset 7.0	ept SA AC 100000 GH P IF	onducte Iz N0: Fast ↔	d Peak	Output E:PUSE e Run 0 dB	t Power_ Avg Type Avg Hold>	DH5_24	067 ms (\$.41 .06:51:27 PM TRACI TYPI DE 1 128 1	Dec 21, 2017 12 3 4 5 6 MWWWW P P P P P P 25 GHz	Auto Tun Center Fre 2.441000000 GF Start Fre 2.438500000 GF 2.443500000 GF 2.443500000 GF CF Ste 500.000 kF



Frequency	06:53:22 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	ALIGNAUTO g Type: Log-Pwr g Hold: 10/10	NSE:PULSE	🛶 Trig: Fr	OGHZ PNO: Fast	RF 50 Ω AC req 2.480000000	XI RL Center F
Auto Tun	9 820 000 GHz -3.264 dBm	Mkr1 2.479	: 30 dB	#Atten:	IFGain:Low	Ref Offset 7.01 dB Ref 20.00 dBm	10 dB/div
Center Fre 2.480000000 GH							10.0
Start Fre 2.477500000 G⊦			1	•			0.00
Stop Fre 2.482500000 GH							-20.0
CF Ste 500.000 kH	I						-30.0
Nuto Ma							-50.0
Freq Offse 0 H							-60.0
	Span 5.000 MHz 67 ms (8001 pts)	Sweep 1.0	łz	3W 8.0 MH	#VB	480000 GHz 3.0 MHz	Center 2. #Res BW
Frequency	167 ms (8001 pts)	Sweep 1.0	COutput	ed Peak	Conducte	3.0 MHz	#Res BW MSG Agilent Specto XI RL
	167 ms (8001 pts)	Sweep 1.0	COutput	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	#Res BW Isg Agilent Spectr X RL Center F
Auto Tun Center Fre	107 ms (8001 pts) 102 102 178ACE 1 2 3 4 5 6 17YPE MWWWWW DET P P P P P 2 050 625 GHz	Sweep 1.0	COutput	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	#Res BW MSG Agilent Specto XI RL
Frequency Auto Tun Center Fre 2.402000000 GH Start Fre 2.399500000 GH	107 ms (8001 pts) 102 102 178ACE 1 2 3 4 5 6 17YPE MWWWWW DET P P P P P 2 050 625 GHz	Sweep 1.0	COutput	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	#Res BW Agilent Spectron X RL Center F 10 dB/div
Auto Tun Center Fre 2.40200000 GH Start Fre 2.399500000 GH Stop Fre	107 ms (8001 pts) 102 102 178ACE 1 2 3 4 5 6 17YPE MWWWWW DET P P P P P 2 050 625 GHz	Sweep 1.0	x Output	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	Agilent Spectro Agilent Spectro X RL Center F 10 dB/div 10.0 0.00
Auto Tun Center Fre 2.402000000 GF 2.399500000 GF 2.399500000 GF 2.404500000 GF CF Ste	107 ms (8001 pts) 102 102 178ACE 1 2 3 4 5 6 17YPE MWWWWW DET P P P P P 2 050 625 GHz	Sweep 1.0	x Output	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	Agilent Spectro Agilent Spectro X RL Center F 10 dB/div 10.0 .0.0 .10.0
Auto Tun Center Fre 2.40200000 GH Start Fre 2.399500000 GH	107:37:54 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P 2 050 625 GHz -4.474 dBm	Sweep 1.0	x Output	ed Peak	Conducte	3.0 MHz rum Analyzer - Swept SA RF 50 Ω AC req 2.402000000 Ref Offset 7.01 dB	Agilent Spectro Agilent Spectro XI RL Center F 10 dB/div 0.00 -10.0 -20.0 -30.0



XIRL Center F	RF 50 Ω Treq 2.44100	0000 GH		7	E:PULSE	Avg Type	ALIGNAUTO	TRAC	4Dec 21, 2017 E 1 2 3 4 5 6	Frequency
			NO: Fast ↔ Gain:Low	≓ Trig: Fre #Atten: 3		Avg Hold:				Auto Tur
10 dB/div Log	Ref Offset 7.0 Ref 20.00 d					M	kr1 2.44	41 065 0 -4.0	00 GHz 71 dBm	Auto Tun
10.0										Center Fre 2.441000000 GH
0.00					● ¹					Start Fre
-10.0										2.438500000 GH
-20.0										Stop Fre 2.443500000 GH
-40.0										CF Ste 500.000 k⊦
-50.0										<u>Auto</u> Ma
-60.0										Freq Offse
-70.0										
Center 2.	444000 CH2							Enon 6		
#Res BW			#VBW	V 8.0 MHz	2	:	Sweep 1	.067 ms (.000 MHz 8001 pts)	
			#VBW	V 8.0 MHz	2	:	Sweep 1	.067 ms (.000 MHZ 8001 pts)	
#Res BW		Со				Power_2		.067 ms (.000 MHz 8001 pts)	
#Res BW MSG Agilent Specto	3.0 MHz rum Analyzer - Swe RF 50 Ω	pt SA AC	nducteo	d Peak		Power_2		.067 ms (2480	4Dec 21, 2017	
#Res BW MSG Agilent Specto	3.0 MHz rum Analyzer - Swe	pt SA AC 0000 GH P	nducteo	d Peak	Output E:PULSE e Run	Power_2	2DH5_2 ALIGN AUTO e: Log-Pwr	.067 ms (3 2480 06:59:54 Pf TRAC	8001 pts)	Frequency
#Res BW MSG Agilent Spectr XI RL Center F 10 dB/div	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output E:PULSE e Run	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	8001 pts) 4Dec 21, 2017 ≅[1 2 3 4 5 6	Auto Tun
#Res BW MSG Agilent Spect W RL Center F	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output E:PULSE e Run	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre
#Res BW MSG Agilent Spectr X RL Center F 10 dB/div	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output E:PULSE e Run	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GH
Agilent Spect Agilent Spect Agilent Spect Center F	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output :e:PULSE e Run 10 dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 G⊢ Start Fre
#Res BW Agilent Spector XI RL Center F 10.0 0.00 -10.0 -20.0	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output :e:PULSE e Run 10 dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GH Start Fre 2.477500000 GH Stop Fre
Agilent Specto	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output :e:PULSE e Run 10 dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GF Start Fre 2.477500000 GF Stop Fre 2.482500000 GF
#Res BW Agilent Spect Agilent Spect XI RL Center F 10.0 0.00 -10.0 -20.0 -30.0	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output :e:PULSE e Run 10 dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GF Start Fre 2.477500000 GF Stop Fre 2.482500000 GF CF Ste 500.000 kF
Agilent Spect Agilent Spect Msg Agilent Spect Msg Center F 10.0 -10.0 -10.0 -20.0 -30.0 -40.0	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output :e:PULSE e Run 10 dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GF Start Fre 2.477500000 GF Stop Fre 2.482500000 GF CF Ste 500.000 kF Auto Freq Offse
Agilent Spect Agilent Spect Misci Center F 10.0 .0.00 .10.0 .20.0 .30.0 .40.0 .50.0	3.0 MHz rum Analyzer - Swe RF 50 Ω req 2.48000 Ref Offset 7.0	pt SA AC 0000 GH IFI 1 dB	nducteo Iz №: Fast ↔	d Peak	Output E:PUSE Run O dB	Power_; Avg Type Avg Hold:	ALIGN AUTO 2 DH5_2 ALIGN AUTO 2: Log-Pwr 2: 10/10	.067 ms (3 2480 06:59:54 Pf TRAC TYI D 30 091 8	40ec 21, 2017 [#] 1 2 3 4 5 6 # М М М М М М М М М М М М М	Auto Tun Center Fre 2.48000000 GH Start Fre 2.477500000 GH Stop Fre 2.482500000 GH CF Ste 500.000 kH



RF 50 Ω	AC		SENSE	:PULSE		ALIGN AUTO	07:06:49 Pf	MDec 21, 2017	-
q 2.40200	Р	NO: Fast +			Avg Typ Avg Hold	e: Log-Pwr : 10/10	TRAC TYI DI	СЕ 123456 РЕМ УЖИМИ ЕТРРРРРР	Frequency
					N	lkr1 2.4(01 930 0 -4.4	00 GHz 32 dBm	Auto Tur
									Center Fre 2.402000000 GH
			•						Start Fre
									Stop Fre
									2.404500000 GH
									CF Ste 500.000 kł <u>Auto</u> Ma
									Freq Offs
2000 GHz 0 MHz		#VBW	V 8.0 MHz			Sweep 1	Span 5 .067 ms (.000 MHz 8001 pts)	
							8		
					-	-			
<mark>1 Analyzer - Swe</mark> g RF 50 Ω	pt SA		d Peak C			3DH5_2	2441 07:09:14 Pf	4Dec 21, 2017	Erequency
	pt SA AC 0000 GH P		SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	2441 07:09:14 Pf TRAC TYI DI	^{2E} 123456 РЕМ ИМИМИ ET РРРРРР	Frequency
RF 50 Ω	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2	07:09:14 PI TRAC TY 40 978 7	^{2E} 123456 РЕМ ИМИМИ ET РРРРРР	Auto Tur
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tur Center Fre
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tur Center Fre 2.44100000 GH Start Fre
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tur Center Fre 2.44100000 GF Start Fre 2.438500000 GF Stop Fre
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tun Center Fre 2.441000000 GF Start Fre 2.438500000 GF Stop Fre 2.443500000 GF
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tur Center Fre 2.441000000 GF Start Fre 2.438500000 GF Stop Fre 2.443500000 GF CF Step 500.000 kF
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Tur Center Fre 2.441000000 GF Start Fre 2.438500000 GF Stop Fre 2.443500000 GF CF Ste 500.000 kF Auto Freq Offs
RF 50 Ω 50	pt SA AC 0000 GH P IF0 1 dB	−1z NO: Fast ↔	SENSE	:PULSE	Avg Typ Avg Hold	3DH5_2 ALIGN AUTO e: Log-Pwr : 10/10	07:09:14 PI TRAC TY 40 978 7	2E 1 2 3 4 5 6 PE M WWWW ET P P P P P 750 GHz	Auto Turi Center Fre 2.441000000 GF 2.438500000 GF 2.438500000 GF 2.443500000 GF CF Ste 500.000 kF
	RF 50 Ω q 2.40200 Ref Offset 7.0 Ref 20.00 d	q 2.40200000 GH	RF 50 Ω AC q 2.402000000 GHz PNO: Fast → IFGain:Low Ref Offset 7.01 dB Ref 20.00 dBm	RF 50 Ω AC SENSE q 2.402000000 GHz PN0: Fast →→ IFGain:Low Trig: Free #Atten: 30 Ref Offset 7.01 dB Ref 20.00 dBm	RF 50 Ω AC SENSE-PULSE q 2.402000000 GHz IFGain:Low Trig: Free Run #Atten: 30 dB Ref Offset 7.01 dB Ref 20.00 dBm 4 0 0 0 0 0	RF 50 Ω AC SENSE:PULSE Avg Typ Avg Hold PN0: Fast → IFGain:Low Trig: Free Run #Atten: 30 dB Avg Typ Avg Hold Ref Offset 7.01 dB Ref 20.00 dBm Image: Comparison of the sense s	RF 50 Ω AC SENSE:PULSE ALIGNAUTO Q 2.402000000 GHz IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg Hold: 10/10 Avg Type: Log-Pwr Avg Hold: 10/10 Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.4 Mkr1 2.4 Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Ref Offset 7.01 dB Ref 20.00 dBm Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense:Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse Image: Sense: Pulse	RF 50 Ω AC SENSE-PULSE ALIGN AUTO 07:06:49 PM q 2.402000000 GHz PN0: Fast → IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg Hold: 10/10 Trig: Trig: Free Run #Atten: 30 dB Mkr1 2.401 930 C Ref Offset 7.01 dB Ref 20.00 dBm	RF 50.2 AC SENSE-PULSE ALIGNAUTO 07:06:49 PMDe: 21, 2017 q 2.402000000 GHz PN0: Fast → IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr Avg Hold: 10/10 TRACE[1 2:3 45 6 Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.401 930 000 GHz -4.432 dBm Image: Autorn of the sense



Center Fi	RF 50 Ω AC req 2.480000000	GHz PN0: Fast ↔	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	07:12:34 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency
10 dB/div	Ref Offset 7.01 dB Ref 20.00 dBm	IFGain:Low	#Atten: 30 dB	Mkr1 2.4	79 944 375 GHz -3.281 dBm	
10.0						Center Fre 2.480000000 GH
-10.0			∳ ¹			Start Free 2.477500000 GH
-20.0						Stop Free
-30.0						2.482500000 GH
-40.0						CF Stej 500.000 kH <u>Auto</u> Ma
-50.0						Erog Offee
-60.0						Freq Offse 0 H
-70.0						



A.3.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	1.067	0.97	PASS
DH5	2441	0.808	0.65	PASS
DH5	2480	1.198	1.03	PASS
2DH5	2402	0.998	0.86	PASS
2DH5	2441	0.962	0.86	PASS
2DH5	2480	1.030	0.86	PASS
3DH5	2402	0.962	0.86	PASS
3DH5	2441	1.260	0.86	PASS
3DH5	2480	0.894	0.86	PASS



						er - Swept SA		
L23456 Frequen	TYPE M	ALIGNAUTO Type: Log-Pwr Hold: 10/10	A	SENSE	GHz PNO: Wide	50 Ω AC 0250000	Freq 2	XI RL Cent
Auto	DET P	۸Mkr	В	#Atten: 30	IFGain:Low			
69 dB						fset 7.01 dB 0.00 dBm	v Ref Ref	10 dB Log r
Center	Δ2							10.0
2.40250000	man and the second	A Marine Marine			2~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Mm		0.00 -10.0
۳۵٬۰٬۰٬۰۰۰ Star	www.k.	,,	Work www.	mm		- 1	vv	-20.0
2.40150000								-30.0 - -40.0 -
Stop								-50.0
2.40350000								-60.0 - -70.0 -
00 GHz CF	top 2.40350	ş				iHz	401500	 Start
200.00	.067 ms (80	-		V 300 kHz	#VE		W 100 k	
	FUNCTION V	FUNCTION WIDTH	FUNCTION	∨ 0.069 (-5.386 d⊟	67 25 MHz (J 89 75 GHz	×) <u>1.</u> 2.401 (TRC SCL	<u>мкн</u> м 1 Д 2
Freq				0.000 42				3
								5 6 7
								8
								9
								9 10 11
		n_DH5_24	Separat	requenc	Carrier			10 11 <
	07:15:40 PMDe	-	JLSE	SENSE	GHz PNO: Wide	er - Swept SA 50 Ω AC 41500000	RF	10 11 « Agilent X/ RL
ac 21, 2017 2 3 4 5 6 MWWWWW P P P P P P	07:15:40 PMDe TRACE 1 TYPE M DET P ΔMkr1 805	ALIGN AUTO 3 Type: RMS Hold: 10/10	JLSE	SENSE	GHz	50 Ω AC	Freq 2	10 11 Asg Agilent X RL Cent 10 dB
E 21, 2017 Frequen 12 3 4 5 6 Frequen MWWWWP PPPPP 8 kHz Auto 08 dB Center	07:15:40 PMDe TRACE 1 TYPE M DET P ΔMkr1 805	ALIGNAUTO ALIGNAUTO 3 Type: RMS Hold: 10/10	JLSE	SENSE	GHz PNO: Wide	50 Ω AC	Freq 2	10 11 Alsg Agilent X/ RL Cent
EC 21, 2017 L 2 3 4 5 6 PPPPPP PPPPPP 8 kHz 08 dB	07:15:40 PMDe TRACE 1 TYPE M DET P ΔMkr1 805	ALIGN AUTO 3 Type: RMS Hold: 10/10	JLSE	SENSE	GHz PNO: Wide	50 Ω AC 41500000 5set 7.01 dB 0.00 dBm	Freq 2	10 dB Agilent X RL 2 Cent 10.0 - 0.00 - -10.0 -
E 21, 2017 Frequen 12 3 4 5 6 Frequen MWWWWP PPPPP 8 kHz Auto 08 dB Center	07:15:40 PMDe TRACE 1 TYPE[M DET]P ΔMkr1 803 -0.10	ALIGNAUTO ALIGNAUTO 3 Type: RMS Hold: 10/10	JLSE ##	SENSE	GHz PNO: Wide IFGain:Low	50 Ω AC	Freq 2 Freq 2 v Ref	10 dB Agilent X RL Cent 10.0 - 10.0 - -10.0 - -20.0 g
21,2017 Frequen 123456 Frequen 1008 dB Auto 1000 c Center 2.44150000	07:15:40 PMDe TRACE 1 TYPE[M DET]P ΔMkr1 803 -0.10	ALIGNAUTO ALIGNAUTO 3 Type: RMS Hold: 10/10	JLSE ##	Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Ω AC 41500000 5set 7.01 dB 0.00 dBm	Freq 2	10 dB Agilent X RL 2 Cent 10.0 - 0.00 - -10.0 -
21,2017 Frequen 123456 Frequen MWWWWP PPPPPP 8 kHz Auto 08 dB Center 2.44150000 Muchain Star 2.44050000	07:15:40 PMDe TRACE 1 TYPE[M DET]P ΔMkr1 803 -0.10	ALIGNAUTO ALIGNAUTO 3 Type: RMS Hold: 10/10	JLEE ##	Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Ω AC 41500000 5set 7.01 dB 0.00 dBm	Freq 2	10 dB Agilent XI RL Cent 10.0 - -20.0 7 -30.0 - -40.0 - -50.0 -
EC 21, 2017 Frequen 12 3 4 5 6 Frequen MWWWWP Auto 8 kHz Auto 08 dB Center 2.44150000 Mwwww Start	07:15:40 PMDe TRACE 1 TYPE[M DET]P ΔMkr1 803 -0.10	ALIGNAUTO ALIGNAUTO 3 Type: RMS Hold: 10/10	JLEE ##	Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Ω AC 41500000 5set 7.01 dB 0.00 dBm	Freq 2	10 11 11 15 Agilent Agilent Agilent Cent 10.0 - 0.00 - -20.0 p -30.0 - -40.0 -
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 12 8 kHz Auto 12 8 kHz Auto 12 8 kHz Center 2.44150000 Star 12 2.44250000 Stop 2.44250000 Stop	41 07:15:40 PM De TRACE 1 TYPE [M DET]P ΔMkr1 80; -0.1(n_DH5_24	JLEE ##	Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Q AC 41500000	Ref (10 dB Agilent Asg 10 dB 10.0 - .10.0 - .20.0 7 30.0 - 30.0 - 50.0 - 60.0 - 70.0 -
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 9 P P P P P Auto 8 kHz Auto 08 dB Center 2.44150000 Star 2.44050000 Star 2.44250000 Stop 2.44250000 CF 200 GHz CO 01 pts) Auto	41 07:15:40 PMDe TRACE 1 TVPE M DET P ΔMkr1 80: -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.	n_DH5_24	UEE #/	SENSE	GHz PNO: Wide IFGain:Low	50 Q AC 41500000 fset 7.01 dB 0.00 dBm	RF Q 2	10 H H H H H H H H H H H H H
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 9 P P P P P Auto 8 kHz Auto 08 dB Center 2.44150000 Star 2.44050000 Star 2.44250000 Stop 2.44250000 CF 200 GHz CO 01 pts) Auto	41 07:15:40 PM De TRACE 1 TYPE [M DET]P ΔMkr1 80; -0.1(n_DH5_24	ULSE #/ un A: B 	SENSE → Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Q AC 41500000 fset 7.01 dB 0.00 dBm	Ref (v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref	10 Agilent 11 1 Ass 1 Mss 1 Mss 1 10 dB 10.0 - 0.00 - -10.0 - -20.0 7 -30.0 - -60.0 - -60.0 - -77.0 - Start #Res MKR M 11 2
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 9 P P P P P Auto 8 kHz Auto 08 dB Center 2.44150000 Star 2.44050000 Star 2.44250000 Stop 2.44250000 CF 200 GHz CO 01 pts) Auto	41 07:15:40 PMDe TRACE 1 TVPE M DET P ΔMkr1 80: -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.	n_DH5_24	ULSE #/ un A: B 	SENSE	GHz PNO: Wide IFGain:Low	50 Q AC 41500000 fset 7.01 dB 0.00 dBm	Ref (v Ref v Ref v Ref v Ref v Ref v Ref	10 11 11
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 9 P P P P P Auto 8 kHz Auto 08 dB Center 2.44150000 Start 2.44050000 Start 2.44250000 Stop 00 GHz CF 01 pts) Auto	41 07:15:40 PMDe TRACE 1 TVPE M DET P ΔMkr1 80: -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.	n_DH5_24	ULSE #/ un A: B 	SENSE → Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Q AC 41500000 fset 7.01 dB 0.00 dBm	Ref (v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref	10 Agient Ag
ac 21, 2017 Frequen 12 3 4 5 6 Frequen 9 P P P P P Auto 8 kHz Auto 08 dB Center 2.44150000 Start 2.44050000 Start 2.44250000 Stop 00 GHz CF 01 pts) Auto	41 07:15:40 PMDe TRACE 1 TVPE M DET P ΔMkr1 80: -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.1(-0.1) -0.1(-0.	n_DH5_24	ULSE #/ un A: B 	SENSE → Trig: Free #Atten: 30	GHz PNO: Wide IFGain:Low	50 Q AC 41500000 fset 7.01 dB 0.00 dBm	Ref (v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref v Ref	10 Argient Arge Arge <
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7	07:15:58 PM Dec 21, 2017	ALIGN AUTO	PULSE	SEN		AC	<mark>Inalyzer - Swe</mark> RF 50 Ω	
6 Frequency	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P	g Type: RMS Hold: 10/10	Run		⊣z NO: Wide ↔ Gain:Low	0000 GH	2.47950	
	kr1 1.198 MHz 0.168 dB	ΔM					ef Offset 7.0 ef 20.00 d	
Center F 2.479500000 (\2	1						
_	Marin			<u>η</u>	Wry	2	- million	a Vyyyy
Start F 2.478500000 (••• • •					
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	op 2.480500 GHz)00 ms (1001 pts)			/ 300 kH	#VBW			t 2.4785 s BW 10
Auto M	FUNCTION VALUE	FUNCTION WIDTH	FUNC	Y 0.16)8 MHz (Δ)	× 1.19	αι F (Δ)	MODE TRC S
Freq Off			3m	-4.405		2.478 86	F	F
C								
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		I STATUS						
<u>v</u>		status n_2DH5_24	[,] Separa	equenc	arrier Fre	Са		
×			' Separa	equenc	arrier Fre		Analyzer - Swe	t Spectrum
7 6 Frequency	02	n_2DH5_24 ALIGNAUTO g Type: RMS	:PULSE	SEN	Hz	AC 0000 GH	Analyzer - Swe RF 50 Ω 2.40250	-
7 6 Frequency	02	n_2DH5_24	:PULSE	SEN		Ept SA AC 100000 GH PN	RF 50 Ω	-
Frequency	02	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔	ept SA AC 00000 GH PN IFC 01 dB	RF 50 Ω	ter Fred
7 6 P Auto Tu B Center F	02 07:18:14 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WWW DET P P P P P MMkr1 998 kHz	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔	ept SA AC 00000 GH PN IFC 01 dB	RF 50 Ω 2.40250 ef Offset 7.0	ter Fred
7 6 P Auto Tu Center F 2.402500000 0	02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0	ter Fred
7 6 P Auto Tu 3 Center F 2.402500000 0	02 07:18:14 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WWW DET P P P P P MMkr1 998 kHz	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c	ter Fred
7 6 P Auto Tu Center F 2.402500000 0	02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c	ter Fred
7 6 Frequency P Auto Tu Center F 2.402500000 (Start F 2.401500000 (02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c	ter Fred
7 6 P Auto Tu Auto Tu 2 Center F 2.402500000 0 Start F 2.401500000 0 Start F 2.401500000 0 Start F 2.401500000 0	02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c	ter Fred
7 6 Frequency P Auto Tu Center F 2.402500000 (Start F 2.401500000 (02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	RF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c	ter Fred
7 6 Frequency P Auto Tu Center F 2.402500000 (C) Start F1 2.401500000 (C) Stop F1 2.403500000 (C)	02	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	ef Offset 7.0 ef 20.00 c	ter Fred
7 6 Frequency P Auto Tu Z Center F 2.402500000 C Start F 2.401500000 C Start F 2.403500000 C Stop F 2.403500000 C CF St 200.000 C Stop F	02 07:18:14 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24	:PULSE	SEM	Hz NO: Wide ↔ Gain:Low	AC AC PN IFO If dB IBM	ef Offset 7.0 ef 20.00 c	B/div R
7 6 Frequency P Auto Tu Z Center F 2.402500000 0 Start F 2.401500000 0 Start F 2.401500000 0 Start F 2.403500000 0 Stop F 2.403500000 0 CF Si 200.000 0 Auto Tu	02 07:18:14 PMDec 21, 2017 IRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P Mkr1 998 kHz -0.007 dB	n_2DH5_24		SEP Trig: Fr #Atten:	Hz No: Wide → Gain:Low	AC AC D0000 GH Ph IFC	EF 50 Ω 2.40250 ef Offset 7.0 ef 20.00 c C 0 GHz 0 KHz	R 3/div R 2/div R 2/div R 1 2.4015 s BW 10 1000 TRC 1
7 6 Frequency P Auto Tu Z Center F 2.402500000 0 Start F 2.401500000 0 Start F 2.401500000 0 Start F 2.403500000 0 Stop F 2.403500000 0 CF Si 200.000 0 Auto Tu	02	n_2DH5_24		SEP - Trig: Fr #Atten:	Hz N0: Wide → Gain:Low 4 4 4 4 4 4 4 VBM 98 kHz (Δ)	AC AC D0000 GH Ph IFC	ef Offset 7.0 ef 20.00 c ef 20.00 c c c c c c c c c c c c c c c c c c c	R 3/div R 2/div R 2/div R 1 2.4015 s BW 10 1000 TRC 1
7 6 Frequency P Auto Tu Auto Tu Center F 2.402500000 C Start F 2.401500000 C Start F 2.401500000 C Start F 2.403500000 C Stop F 2.403500000 C Stop F 2.403500000 C F Freq Off Freq Off	02	n_2DH5_24		SEP Trig: Fr #Atten:	Hz N0: Wide → Gain:Low 4 4 4 4 4 4 4 VBM 98 kHz (Δ)	Prise AC 00000 GH Ph IFG IBM	ef Offset 7.0 ef 20.00 c ef 20.00 c c c c c c c c c c c c c c c c c c c	R B/div R t 2.4015 s BW 10
7 6 Frequency P Auto Tu Auto Tu Center F 2.402500000 C Start F 2.401500000 C Start F 2.401500000 C Start F 2.403500000 C Stop F 2.403500000 C Stop F 2.403500000 C F Freq Off Freq Off	02	n_2DH5_24		SEP Trig: Fr #Atten:	Hz N0: Wide → Gain:Low 4 4 4 4 4 4 4 VBM 98 kHz (Δ)	Prise AC 00000 GH Ph IFG IBM	ef Offset 7.0 ef 20.00 c ef 20.00 c c c c c c c c c c c c c c c c c c c	R B/div R t 2.4015 s BW 10
7 6 Frequency P Auto Tu 2 Center F 2.402500000 (C 3 Start F 2.401500000 (C 2.403500000 (C 4 CF Si 200.000 (Freq Off 0 Freq Off	02	n_2DH5_24		SEP Trig: Fr #Atten:	Hz N0: Wide → Gain:Low 4 4 4 4 4 4 4 VBM 98 kHz (Δ)	Prise AC 00000 GH Ph IFG IBM	ef Offset 7.0 ef 20.00 c ef 20.00 c c c c c c c c c c c c c c c c c c c	R B/div R t 2.4015 s BW 10



6 Frequency	MDec 21, 2017 CE 1 2 3 4 5 1 PE M WMWW ET P P P P P I	TRA		#Avg Tyj Avg Hold	se:PULse ee Run 30 dB		IZ IO: Wide ↔ Sain:Low		F 50 Ω 2.44150		XI RL Cent
	962 kHz .525 dB	∆Mkr1 s -3							ef Offset 7.0 ef 20.00 (10 dE
Center F 2.441500000		1∆2 <i></i>					n × 2				Log 10.0 0.00
Start F 2.440500000	ىرى ^{الى} مىر _{ىك ممىل} م	สสังญาระเมษ		ᢧᠵ᠊ᡐ᠊ᡐ᠊ᠺᡎᡃ	~~~~~	v~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	F-W-2%	ᡒᢚᢇᡅᢆᡳᡗᢪᠴᠬᡧᡪ		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-10.0 -20.0 -30.0
Stop F 2.442500000											-40.0 -50.0 -60.0
Z CF S		Stop 2.44: 1.000 ms (z	300 kl	#VBW			2.4405 BW 10	
Auto		FUNCTI	NCTION WIDTH	CTION FL	5 dB	Y -3.5	52 kHz (Δ)	× 96	ι (Δ)	IODE TRC S	MKR N
Freq Of					dBm	-5.897	2 GHz	2.441 16		F	2 3 4 5 6
											7 8
	~										9 10 11
•	► ► ►	s	The STATI			ĨШ					10 11
				ation			rrior Fr	Ca			10
				ation_2	y Se	equen	rrier Fre				10 11 <
7	MDec 21, 2017	480 07:20:14 P	DH5_2		se:pulse			pt SA AC	nalyzer - Swi F 50 Q		10 11 « MSG Agilent
7 6 Frequency	MDec 21, 2017 E 1 2 3 4 5 1	480 07:20:14 P TRA	DH5_2 ALIGN AUTO	ation_2 #Avg Tyl Avg Hold	SE:PULSE	SE Trig: F	Iz I0: Wide ↔	pt SA AC 0000 GH PN	F 50 Ω		10 11 « MSG Agilent
Frequency	MDec 21, 2017 2 1 2 3 4 5 PE MWWWWW ET P P P P P 30 MHz	480 07:20:14 P TRA: TY D Mkr1 1.0	DH5_2 ALIGN AUTO e: RMS : 10/10	#Avg Ty	SE:PULSE	SE	z	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 11 MSG Agilent XI RL Cent
7 6 Frequency P Z Auto T	MDec 21, 2017 E 1 2 3 4 5 PE MWWWW ET P P P P P	480 07:20:14 P TRA: TY D Mkr1 1.0	DH5_2 ALIGN AUTO e: RMS : 10/10	#Avg Ty	SE:PULSE	SE Trig: F	Iz I0: Wide ↔	pt SA AC 0000 GH PN IFC 1 dB	F 50 Ω 2.47950	er Frec	10 11 Agilent X/ RL Cent 10 dE
Frequency	MDec 21, 2017 2 1 2 3 4 5 PE MWWWWW ET P P P P P 30 MHz	07:20:14 P TRA: TY D Mkr1 1.0	DH5_2 ALIGN AUTO e: RMS : 10/10	#Avg Ty	SE:PULSE	SE Trig: F	Iz I0: Wide ↔	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 11 Agilent XI RL Cent
7 6 Frequency Auto Tr Auto Tr 2 2.479500000	MDec 21, 2017 2 1 2 3 4 5 PE MWWWWW ET P P P P P 30 MHz	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	DH5_2 ALIGN AUTO e: RMS : 10/10	#Avg Ty	SE:PULSE	SE Trig: F	Iz I0: Wide ↔	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 dE Agilenn X RL Cent
7 6 Frequency Auto Tr Auto Tr 2 2.479500000	MDec 21, 2017 TE 12 3 4 5 PE MWWWW ET P P P P P 30 MHz 442 dE	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	ALIGNAUTO e: RMS : 10/10 AI	#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 dE Agilent X RL Cent 10.0 0.00
7 6 P Auto T 3 Center F 2.479500000	MDec 21, 2017 TE 12 3 4 5 PE MWWWW ET P P P P P 30 MHz 442 dE	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	ALIGNAUTO e: RMS : 10/10 AI	#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 Agilent MISG Agilent XI RLL Cent 10.0 0.00 -10.0 -20.0 -30.0
7 Frequency P Auto T 3 Center F 2.479500000 Start F	MDec 21, 2017 TE 12 3 4 5 PE MWWWW ET P P P P P 30 MHz 442 dE	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	ALIGNAUTO e: RMS : 10/10 AI	#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 Agilent MISG Agilent XI RL Cent 10.0 0.00 -10.0 -20.0 -30.0 -40.0
7 Frequency P Auto T 3 Center F 2.479500000 Start F	MDec 21, 2017 TE 12 3 4 5 PE MWWWW ET P P P P P 30 MHz 442 dE	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	ALIGNAUTO e: RMS : 10/10 AI	#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 dE Agilent MSG Agilent XI RL Cent 10.0 dE 0.00 -10.0 -20.0 -30.0 -40.0 -50.0
7 6 P Auto T 3 Center F 2.479500000 Start F 2.478500000 1	MDec 21, 2017 TE 12 3 4 5 PE MWWWW ET P P P P P 30 MHz 442 dE	07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2	ALIGNAUTO e: RMS : 10/10 AI	#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Q 2.4795(er Frec	10 Agilent MISG Agilent XI RL Cent 10.0 0.00 -10.0 -20.0 -30.0 -40.0
7 6 Frequency P Auto T Center F 2.479500000 Start F 2.478500000 Stop F 2.480500000	MDec 21, 2017 EE 12 3 4 5 MWWWWW ET P P P P P 30 MHz 442 dE	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2		#Avg Ty	SE:PULSE	SE Trig: F	IZ IO: Wide ↔ Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (R Waiv R	10 dE MSG Agilent X RLC Cent 10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0
7 6 Frequency P Auto T Center F 2.479500000 Start F 2.478500000 Stop F 2.480500000 Z CF S	MDec 21, 2017 E 1 2 3 4 5 M WWWWW ET P P P P P 30 MHz 442 dB 442 dB 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	480 07:20:14 P TRA- TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480		#Avg Ty	se:PULSE ae Run 30 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low	pt SA AC 0000 GH PN IFC 1 dB	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Maiv R	10 dE MSG Agilent X RL Cent 10.0 -10.0 -20.0 -30.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 Star
7 6 Frequency P Auto T Z Center F 2.479500000 Start F 2.478500000 Stor F 2.478500000 Stor F 2.480500000 CF S 2.480500000 CF S 2.440 CH S	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	se:PULSE ae Run 30 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low	pt SA AC Ph IFC 1 dB IBM	F 50 Ω 2.4795(f Offset 7.1 ef 20.00 e c c c c c c c c c c c c c c c c c c c	er Frec Vdiv R	10 dE Agilent × SG 10 dE 10 dE 10 dE 20 0 -10.0 -20.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -70.0 Star #Res
7 6 Frequency P Auto T Z Center F 2.479500000 Start F 2.478500000 Stor F 2.478500000 Stor F 2.480500000 CF S 2.480500000 CF S 2.440 CH S	MDec 21, 2017 TE 12 3 4 5 F PE MWWWWW TF P P P P P 30 MHz 442 dE 442 dE 500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480		#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFO 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Vdiv R 2.4785 BW 10	10 dE MSG Agilent X RL Cent 10 dE Cent 10 dE 0.00 -10.0 -20.0 -30.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -50.0 MKR N X RL X RL
7 6 Frequency P Auto T 2 Auto T 2 Center F 2.479500000 Start F 2.478500000 Stop F 2.480500000 CF S 2 200.000 Auto Freq Off	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFC 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Wdiv R 2.4785 BW 10	10 11 1 MSG 4 Agilent X RL Cern 10.0 dE 10.0 0.00 -10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -60.0 Star #Res 2 3 4 3
7 6 Frequency P Auto T Center F 2.479500000 Start F 2.478500000 Stor F 2.480500000 CF S 200.000 Auto	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFO 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Vdiv R 2.4785 BW 10	10 dE MSG Agilent X RL Cent 10 dE 10.0 -10.0 -20.0 -30.0 -20.0 -30.0 -40.0 -50.0 -50.0 Star #Res X 1 4 5 4 5
7 6 Frequency P Auto T 2 Auto T 2 Center F 2.479500000 Start F 2.478500000 Stop F 2.480500000 CF S 2 200.000 Auto Freq Off	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFO 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Vdiv R 2.4785 BW 10	10 dE MSG Agilent X RL Cent 10 dE Log 10.0 -0
7 6 Frequency P Auto T 2 Auto T 2 Center F 2.479500000 Start F 2.478500000 Stop F 2.480500000 CF S 2 200.000 Auto Freq Off	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFO 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Vdiv R 2.4785 BW 10	10 dE Agilenn MSG 10 dE Log 10.0 -20.0 -20.0 -20.0 -30.0 -20.0 -30.0 -40.0 -50.
7 6 Frequency P Auto T 2 Center F 2.479500000 Start F 2.478500000 Stor F 2.478500000 Stor F 2.480500000 Freq Off Auto Freq Off	MDec 21, 2017 TE 1 2 3 4 5 1 PE MWWWW TF P P P P P 30 MHz 442 dE 442 dE 0500 GHz 1001 pts	480 07:20:14 P TRA TY D Mkr1 1.0 0 1Δ2 1Δ2 1Δ2 5top 2.480	DH5_2	#Avg Tyj Avg Hold	2 2 dB	SE Trig: F #Atten	Iz IO: Wide → Sain:Low #VBW	pt SA AC 0000 GH Ph IFO 1 dB IBM 	F 50 Ω 2.4795(f Offset 7.0 f 20.00 (c c c c c c c c c c c c c c c c c c c	R R Vdiv R 2.4785 BW 10	10 dE MSG Agilent X RL Cent X RL Cent X RL Cent X RL Cent X RL X RL



									nalyzer - Sw		
Frequency	3:23 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW	07:2		#Avg T Avg Ho	E:PULSE]	Hz NO:Wide ↔		F 50 Ω 2.40250		Cen
Auto Tu	r1 962 kHz 1.574 dB	ΔMk) dB	#Atten: 3	Gain:Low	IF I1 dB	of Offset 7.0		40 -1
	1.074 00							ВШ	ef 20.00 (10 dl Log 10.0
Center Fr 2.402500000 G		1 <u>Δ2</u> _									0.00
		A-47-47-		horn	hand	multim	2.mm	نىمىدىرىكى <u>دىم</u>	www.		-10.0
Start Fr											-20.0
2.401500000 G											-30.0 -40.0
											-40.0
Stop Fr 2.403500000 G											-60.0
2.403500000 G											-70.0
CF Ste 200.000 k	.403500 GHz ns (1001 pts)	Stop 2 1.000 i	Sweep 1		I	300 kHz	#VBW			2.4015 BW 10	
Auto M			NCTION WIDTH	CTION I		Y		Х		ODE TRC S	
Freq Offs					dB 3m	1.574 -7.843 di	62 kHz (∆) 0 GHz	9 2.402 10	(Δ)	<u>52</u>	2
											3 4 5
											6
											8 9
	~										10
	>										11
			DH5_2	ation_	/ Sep	equency	urrier Fre	Ca			
5 Frequency	5:00 PMDec 21, 2017 TRACE 12 3 4 5 6	2441	DH5_24 ALIGN AUTO e: RMS	#Avg T	E:PULSE	SENS		pt SA AC	nalyzer - Swi F 50 Ω 2.44150		11 MSG Agilen XI R
Frequency	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [MWWWWW DET P P P P P	2 441 07:2	DH5_2- ALIGN AUTO e: RMS : 10/10		E:PULSE	SENS		pt SA AC 00000 GH P	F 50 Ω		11 MSG Agilen XI R
Frequency	5:00 PMDec 21, 2017 TRACE 12 3 4 5 6	2 441 07:2	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	E:PULSE	SENS	1z NO: Wide ↔	Ppt SA AC 00000 GH IF IF	F 50 Ω	er Frec	11 MSG Agilen XI R
Auto Tur Center Fre	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1.260 MHz	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	E:PULSE	SENS	1z NO: Wide ↔	Ppt SA AC 00000 GH IF IF	F 50 Q 2.4415(er Frec	Agilen Agilen X/ R Cen 10 di Log
Frequency	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1.260 MHz	2 441 07:2	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	E:PULSE	SENS	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 50 Ω 2.44150 of Offset 7.0 ef 20.00 (er Frec	Agilen Agilen XI R Cen 10 di Log 10.0
Auto Tur Center Fro 2.441500000 G	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P 1.260 MHz	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	e Run o dB	SENS	Hz NO: Wide ↔ Gain:Low	Ppt SA AC 00000 GH IF IF	F 50 Q 2.4415(er Frec	Agilen MSG Agilen XI RI Cen
Auto Tur Center Fro 2.441500000 G	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	e Run o dB	SENS Trig: Fre #Atten: 3	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 50 Ω 2.44150 of Offset 7.0 ef 20.00 (er Frec	Agilen Agilen XI R Cen 10 di Log 10.0
Auto Tur Center Fro 2.441500000 G	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	e Run o dB	SENS Trig: Fre #Atten: 3	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 50 Ω 2.44150 of Offset 7.0 ef 20.00 (er Frec	Agilen Agilen 10 di Cen 10.0 0.00 -10.0 -20.0
Auto Tur Center Fro 2.441500000 G Start Fro 2.440500000 G	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	e Run o dB	SENS Trig: Fre #Atten: 3	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 50 Ω 2.44150 of Offset 7.0 ef 20.00 (er Frec	11 ■ MSG MSG 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0
Auto Tur Center Fro 2.441500000 G	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	07:22 Vkr1	DH5_2- ALIGN AUTO e: RMS : 10/10	#Avg T	e Run o dB	SENS Trig: Fre #Atten: 3	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 50 Ω 2.44150 of Offset 7.0 ef 20.00 (er Frec	11 ■ MSG → MSG → MSG → MSG → MSG → Cen 10.0 0.00 -10.0 -20.0 -20.0 -30.0 -40.0 -50.0
Frequency Auto Tur Center Fr 2.441500000 G Start Fr 2.440500000 G Stop Fr 2.442500000 G	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	2441 07:2 ⁴ Wkr1 1Δ2 _		#Avg T	e Run o dB	SENS Trig: Fre #Atten: 3	Hz NO: Wide ↔ Gain:Low	Pt SA AC 00000 GH IF If BM	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm v 2.4 2.4415(cm v 2.4415(cm v 2.4415(er Frec R Vdiv R	11 Agilen MSG Agilen XX R Cen 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0
Frequency Auto Tut Center Fr 2.441500000 Gi Start Fr 2.440500000 Gi Stop Fr 2.442500000 Gi CF Stop	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE IM WWWWW DET P P P P P P 1.260 MHz -0.660 dB	2441 07:2 ⁴ Wkr1 1Δ2 - 1Δ2 - 1Δ2 - Stop 2		#Avg T	e:PULSE	SENS	Hz N0: Wide → Gain:Low	Pt SA AC 00000 GH IF If BM	F 30 Ω 2.4415(off offset 7.0 of 0 ffset 7.0 offset 7.	er Frec	11 ▲ Agilen ▲ Msg ■ Cen ■ 10.0 ■ 10.0 ■ -10.0 ■ -20.0 ■ -30.0 ■ -40.0 ■ -50.0 ■ -60.0 ■ 70.0 Star
Frequency Auto Tur Center Frequency 2.441500000 G Start Frequency 2.440500000 G Stop Frequency 2.442500000 G CF Stop 200.000 kl	5:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ		#Avg T AvgHo		SENS Trig: Fre #Atten: 3	Hz N0: Wide → Gain:Low	Pt SA AC 00000 GH IF If BM	F 30 Ω 2.4415(ef Offset 7.0 ef 20.00 o complete 20.00 o	er Frec R R R R R R R R R R R R R	Agilen Agilen XI R Cen 10 di Log 10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Star #Re
Frequency Auto Tur Center Frequency 2.441500000 G Start Frequency 2.440500000 G Stop Frequency 2.442500000 G CF Ster 200.000 ki Auto	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 d	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ	DH5_2	#Avg T AvgHo		SENS	+z N0: Wide → Gain:Low	pt SA AC P IF 1 dB IBM AC P IF IF IF IF IF IF IF IF IF IF	F 30 Ω 2.4415(ef Offset 7.0 ef 20.00 o complete 20.00 o	er Frec R Vdiv R 	Agilen MSG Agilen Cen 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -50.0 -70.0 Star #Re MKR
Frequency Auto Tur Center Fro 2.441500000 G Start Fro 2.440500000 G Stop Fro 2.442500000 G CF Sto 200.000 kl Auto Freq Offs	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 d	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ	DH5_2	#Avg T AvgHo		SENS Trig: Fre #Atten: 3	+z N0: Wide → Gain:Low	pt SA AC 0000 Gi P IF I dB IBM 	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm, y, A a b 0 GHz b KHz a	er Frec R R R R R R R R R R R R R	Agilen MSG Agilen XX R Cen 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -50.0 -50.0 Star #Re MKR
Frequency Auto Tur Center Frequency 2.441500000 G Start Frequency 2.440500000 G Stop Frequency 2.442500000 G CF Ster 200.000 ki Auto	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 d	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ	DH5_2	#Avg T AvgHo		SENS Trig: Fre #Atten: 3	+z N0: Wide → Gain:Low	pt SA AC 0000 Gi P IF I dB IBM 	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm, y, A a b 0 GHz b KHz a	er Frec R R R R R R R R R R R R R	Agilen MSG Agilen X/ R Cen 10.0 10.0 0.00 -10.0 -20.0 -20.0 -20.0 -30.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 Star #Re 2 3 3
Frequency Auto Tur Center Fro 2.441500000 G Start Fro 2.440500000 G Stop Fro 2.442500000 G CF Sto 200.000 kl Auto Freq Offs	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 d	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ	DH5_2	#Avg T AvgHo		SENS Trig: Fre #Atten: 3	+z N0: Wide → Gain:Low	pt SA AC 0000 Gi P IF I dB IBM 	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm, y, A a b 0 GHz b KHz a	er Frec R R R R R R R R R R R R R	Agilen Agilen XI R Cen XI R C
Frequency Auto Tur Center Frequency 2.441500000 G Start Freq 2.440500000 G Stop Freq 2.442500000 G CF Ster 200.000 ki Auto Freq Offs 0	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 dB 2.442500 GHz ns (1001 pts) UNCTION VALUE	2441 07:2 ⁴ Wkr1 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ	DH5_2	#Avg T AvgHo		SENS Trig: Fre #Atten: 3	+z N0: Wide → Gain:Low	pt SA AC 0000 Gi P IF I dB IBM 	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm, y, A a b 0 GHz b KHz a	er Frec R R R R R R R R R R R R R	Agilen MSG Agilen X/ R Cen 10 dl Log 10.0 0.00 -20.0 -2
Frequency Auto Tur Center Frequency 2.441500000 G Start Freq 2.440500000 G Stop Freq 2.442500000 G CF Ster 200.000 ki Auto Freq Offs 0	5:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 1.260 MHz -0.660 dB -0.660 d	2441 07:2 Wkr1 1Δ2 - 1Δ2	DH5_2	#Avg T AvgHo		SENS Trig: Fre #Atten: 3	+z N0: Wide → Gain:Low	pt SA AC 0000 Gi P IF I dB IBM 	F 30 Ω 2.4415(of Offset 7.0 of 20.00 (cm, y, A a b 0 GHz b KHz a	er Frec R R R R R R R R R R R R R	Agilen MSG Agilen (X) R. Cen (X) R. Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (Cen (X) R. (X) R. (Cen (X) R. (X)



Center Freq 2.47950	500000 GHz PNO: Wide →→ Trig: Fu IFGain:Low #Atten:	#Avg Type: RMS ree Run Avg Hold: 10/10 : 30 dB	TRACE 123456 TYPE MWWWW DET P P P P P
Ref Offset 7. 10 dB/div Ref 20.00	7.01 dB		ΔMkr1 894 kHz Auto 2.686 dB
		1Δ2	Cente 2.4795000
-10.0 -20.0 -30.0	Martine and a second		ייייעריייערעיל Sta l 2.4785000
-50.0 -60.0 -70.0			
Start 2.478500 GHz #Res BW 100 kHz	#VBW 300 kF	lz Swee	Stop 2.480500 GHz p 1.000 ms (1001 pts) Auto
MKR MODE TRC SCL 1 Δ2 f (Δ) 2 F f (Δ) 3 4	× Υ 894 kHz (Δ) 2.66 2.478 912 GHz -8.263	FUNCTION FUNCTION W 36 dB dBm	
5			
5 6 7 8 9 10			



A.4.Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.88	106.7	0.307	0.4	PASS
DH5	2441	2.88	106.7	0.307	0.4	PASS
DH5	2480	2.87	106.7	0.306	0.4	PASS
2DH5	2402	2.88	106.7	0.307	0.4	PASS
2DH5	2441	2.88	106.7	0.307	0.4	PASS
2DH5	2480	2.88	106.7	0.307	0.4	PASS
3DH5	2402	2.88	106.7	0.307	0.4	PASS
3DH5	2441	2.88	106.7	0.307	0.4	PASS
3DH5	2480	2.88	106.7	0.307	0.4	PASS



Center I	RF 50 Ω Freq 2.40200		Hz PNO: Fast + Gain:Low	Trig Dela		Avg T	ALIGNAUTO ype: Log-Pwr	TRAG	MDec 21, 2017 CE 1 2 3 4 5 PE W WWWW ET P P P P P	6 Frequency
10 dB/div	Ref 20.00						Δ		.875 ms 2.23 dE	
Log 10.0 0.00					1∆2					Center Freq 2.402000000 GHz
-20.0 -30.0 -40.0		2							TRIG LV	Start Freq 2.402000000 GHz
-50.0 -60.0 -70.0					ing we die fan die fan Die fan die fan Die fan die fan	11. 11.			ini iline dia Unita 1977 - Angela Statistica 1977 - Angela Statistica	Stop Freq 2.402000000 GHz
Res BW			#VB	W 3.0 MHz			Sweep 10).13 ms (· ·	CF Step 1.000000 MHz Auto Man
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7 8 9 9 10 11 1 4 MSG	trum Analyzer - Sw	ept SA		Dwell	Time_D)H5_2	-			
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Agilent Spec	RF 50 Ω Freq 2.44100	AC 00000 G	Hz PNO: Fast - Gain:Low	SENSI	E:PULSE ay-2.533 ms eo		2441 ALIGNAUTO ype: Log-Pwr	TRAC TY D Wkr1 2.	MDec 21, 2017 EE 1 2 3 4 5	Frequency
7 8 9 10 11 ≪ MSG Agilent Spec	RF 50 Ω	AC 00000 G	PNO: Fast 🔸	SENSI Trig Dela Trig: Vide	E:PULSE ay-2.533 ms eo		2441 ALIGNAUTO ype: Log-Pwr	TRAC TY D Wkr1 2.	MDec 21, 2017 Ef [12 3 4 5 FP WWWWW ET P P P P P 875 ms 2.84 dE	Frequency
7 8 9 10 11 11 MSG Agilent Spec X/ RL Center I 10 dB/div Log 10.0 0.00	RF 50 Ω Freq 2.44100	AC 00000 G	PNO: Fast 🔸	SENSI Trig Dela Trig: Vide	E:PULSE ay-2.533 ms eo 0 dB		2441 ALIGNAUTO ype: Log-Pwr	TRAC TY D Wkr1 2.	MDec 21, 2017 E 12 3 4 5 PP WWWWW TP P P P P 875 ms	7 6 Frequency Auto Tune Center Freq
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	rf 50Ω ac 2.480000000) GHz PNO: Fast IFGain:Lov	Trig Dela t ↔ Trig: Vide		ALIGN AUTO Avg Type: Log-Pwr	· TRACI	1Dec 21, 2017 E 1 2 3 4 5 6 E WWWWWW T P P P P P P 974 me	Frequency Auto Tune
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-60.0	THE REPAIR			- The solution	ήη.			2.480000000 GHz
Center 2.48	0000000 GHz					S	pan 0 Hz	CF Step
Res BW 1.0		#\	/BW 3.0 MHz		Sweep	10.13 ms (8		1.000000 MHz
MKR MODE TRC :	sal X t (Δ)	2.874 ms	γ (Δ) -0.85	FUNC	TION FUNCTION WIDT	H FUNCTIO	N VALUE	<u>Auto</u> Man
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10			HII.		To STAT	US		
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10 11 MSG	Analyzer - Swept SA		Dwell T	- ime_2[-	US		
10 Agilent Spectrum	RF 50 Ω AC) GHz	SENSE	:PULSE y-2.533 ms	-	06:55:36 PM	1Dec 21, 2017	Frequency
Agilent Spectrum) GHz PNO: Fast IFGain:Lov	SENSE Trig Dela t + → Trig: Vide	::PULSE y-2.533 ms o	DH5_2402	06:55:36 PM	1Dec 21, 2017	
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10 11 MSG Image: Content Spectrum V// RL Image: Content Free 10 dB/div F	RF 50 Ω AC Q 2.402000000 A Ref 20.00 dBm	PNO: Fast IFGain:Lov	SENSE Trig Dela t + → Trig: Vide	::PULSE y-2.533 ms o dB	DH5_2402	006:55:36 PM TRACI TYP DE ∆Mkr1 2. -(Dec 21,2017 E 12 3 4 5 6 E WWWWWW TP P P P P P 877 ms 0.45 dB	Auto Tune Center Freq 2.40200000 GHz Start Freq
10 11<	RF 50 Ω AC Q 2.402000000 AC AC Ref 20.00 dBm AC AC	PNO: Fast IFGain:Lov	SENSE Trig Dela t + → Trig: Vide	::PULSE y-2.533 ms o dB	DH5_2402	06:55:36 PM TRACI TYP DE ∆Mkr1 2. -(Dec 21,2017 E 12 3 4 5 6 E WWWWW T P P P P P P 877 ms 0.45 dB	Auto Tune Center Freq 2.40200000 GHz Start Freq 2.40200000 GHz Stop Freq
10 11 11 11 MSG Image: Context spectrum of the spectrum of	RF 50 Ω AC Q 2.402000000 A Ref 20.00 dBm	PNO: Fast IFGain:Lov	SENSE Trig Dela t + → Trig: Vide	::PULSE y-2.533 ms o dB	DH5_2402	06:55:36 PM TRACI TYP DE ∆Mkr1 2. -(Dec 21,2017 E 12 3 4 5 6 E WWWWWW TP P P P P P 877 ms 0.45 dB	Auto Tune Center Freq 2.40200000 GHz Start Freq 2.40200000 GHz
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Agilent Spectrum Msg Agilent Spectrum Øg RL Center Fred 10.0 Particular 20.0 Particular -20.0 Particular	RF 50 Ω AC Q 2.402000000 A Ref 20.00 dBm A Non-Acting A A <	PNO: Fast IFGain:Lov	/BW 3.0 MHz	:PULSE y-2.533 ms o dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	DH5_2402	06:55:36 PM TRACI TYP DE ΔMkr1 2. -(-(-(-(-(-(-(-(-(-(Dec 21,2017 E 12 34 5 6 E 12 3	Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz CF Step 1.000000 MHz
10 11 10 11 10 10 MSG Image: Conter Free 10 dB/div F 10 dB/div F 10 dB/div F 10.0 Image: Conter Free 20.0 Image: Conter Free -20.0 I	RF 50 Ω AC Q 2.402000000 Ref 20.00 dBm Image: Application of the second sec	PNO: Fast IFGain:Lov	/BW 3.0 MHz	:PULSE y-2.533 ms o dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	DH5_2402	06:55:36 PM TRAC TYP DE ΔMkr1 2. 	Dec 21,2017 E 12 3 4 5 6 E 12	Auto Tune Center Freq 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz CF Step 1.000000 MHz Auto Man
Agilent Spectrum Agilent Spectrum Xy RL Center Fred 10.0 Contertion	RF 50 Ω AC Q 2.402000000 A Ref 20.00 dBm A Non-Acting A A <	PNO: Fast IFGain:Lov	/BW 3.0 MHz	:PULSE y-2.533 ms o dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	DH5_2402	06:55:36 PM TRAC TYP DE ΔMkr1 2. 	Dec 21,2017 E 12 3 4 5 6 E 12	Auto Tune Center Freq 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 2.402000000 GHz 1.000000 MHz Auto Man



	2.441000000	PNO: Fast +++ IFGain:Low	Trig Delay-2.533 ms Trig: Video #Atten: 30 dB		TYPE WWWW DET PPP	
10 dB/div Re	f 20.00 dBm				∆Mkr1 2.877 n 0.11 c	nsji
10.0 0.00				▲1Δ2		Center Freq 2.441000000 GHz
-10.0 -20.0 -30.0 -40.0						Start Freq 2.441000000 GHz
-50.0 -60.0 -70.0				415,557 (11 (14 (15)) (11 (14 (14))) (11 (14 (14))) (11 (14))) (11 (14)) (11 (14))) (11 (14)) (11 (14))) (11 (14)))) (11 (14))) (11 (14)))) (11 (14)))))(11 (14)))))))))))))))))))		2.441000000 GHz
Center 2.4410 Res BW 1.0 M	1Hz	#VBW	3.0 MHz		Span 0 10.13 ms (8001 p	
	(Δ)	2.877 ms (Δ) 3.538 ms	0.11 dB -13.59 dBm			Freq Offset
9						
10 11 MSG Agjient Spectrum Art OW RL R	50Ω AC		Dwell Time_2	ALIGN AUTO	06:59:40 PM Dec 21, 2	017
Agilent Spectrum Ar (Xi RL R) Center Freq	50Ω AC		SENSE:PULSE	2DH5_2480	06:59:40 PMDec 21, 2	D17 56 Frequency Auto Tune
Agilent Spectrum Ar	50 Ω AC 2.480000000) GHz PNO: Fast +++	SENSE:PULSE Trig Delay-2.533 ms Trig: Video	2DH5_2480	0 06:59:40 PMDec 21, 21 r TRACE 1 2 3 4 TYPE WWWW DET P P P ΔMkr1 2.877 n 1.40 c	017 Frequency 56 Frequency MWP Auto Tune 1B Center Freq 2.480000000 GHz
Agilent Spectrum Ar MSG Agilent Spectrum Ar MSG Center Freq 10 dB/div Re 10.0 0.00	50 Ω AC 2.480000000) GHz PNO: Fast +>+ IFGain:Low	SENSE:PULSE Trig Delay-2.533 ms Trig: Video	2DH5_2480	06:59:40 PMDec 21, 2 r TRACE [12 3 4 TYPE WWWW DET P P P ΔMkr1 2.877 n	017 Frequency 56 Frequency MWP Auto Tune 1B Center Freq 2.480000000 GHz
10 11 MSG Image: Content spectrum Argent spectrum	50 Ω AC 2.480000000) GHz PNO: Fast +>+ IFGain:Low	SENSE:PULSE Trig Delay-2.533 ms Trig: Video	2DH5_2480	0 06:59:40 PMDec 21, 21 r TRACE 1 2 3 4 TYPE WWWW DET P P P ΔMkr1 2.877 n 1.40 c	017 Frequency 5 6 Frequency PP Auto Tune 1B Center Freq 2.48000000 GHz Start Freq
10 Image: Control of the sector	e 50 Ω AC 2.480000000 f 20.00 dBm	2 GHz PN0: Fast → → IFGain:Low 1Δ2 1Δ2	SENSE:PULSE	2DH5_2480	0 06:59:40 PMDec 21, 21 r TRACE 1 2 3 4 TYPE WWWW DET P P P ΔMkr1 2.877 n 1.40 c 1.40 c 1.40 c	017 Frequency 56 Frequency Matto Tune Auto Tune 1B Center Freq 2.48000000 GHz Start Freq 2.48000000 GHz Start Freq 2.48000000 GHz Start Freq 2.48000000 GHz Stop Freq 2.48000000 GHz CF Step





	- Swept SA 50 Ω AC SENSE:PUL:	EE ALIGN AUTO 0	:06:35 PM Dec 21, 2017
Center Freq 2.402			TRACE 123456 TYPE WWWWWWW DET P P P P P P
	IFGain:Low #Atten: 30 dB		Auto Tur
10 dB/div Ref 20.0	00 dBm		r1 2.879 ms Auto Tur -0.10 dB
0.00			2.402000000 GF
-10.0			
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-50.0 a.u., ld	ر المراجع	الفرين الماستان والمع	
-60.0 #http://			2.40200000 G
-70.0			
Center 2.40200000 Res BW 1.0 MHz	0 GHz #VBW 3.0 MHz	Sweep 10.1	Span 0 Hz CF Ste 3 ms (8001 pts) 1.000000 Mi
MKR MODE TRC SCL	× γ 2.879 ms (Δ) -0.10 dB	FUNCTION FUNCTION WIDTH	
$\begin{array}{c c} 2 & F & t \\ 3 & & & \\ \end{array}$	505.4 μs -14.42 dBm		Freq Offs
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MSG		I status	>
	Dwell Tim		
MSG		t <mark>ю</mark> status ie_3DH5_2441	
MSG Agilent Spectrum Analyzer	- Swept SA 50 Q AC SENSE: PULS	e_3DH5_2441	:09:00 PMDec 21, 2017
MSG Agilent Spectrum Analyzer	Swept SA 50 Ω AC SENSE:PUL: 10000000 GHz PN0: Fast ↔ Trig: Video	e_3DH5_2441	:09:00 PMDec 21, 2017 TRACE 112 3 4 5 6 Frequency
MSG Agilent Spectrum Analyzer ()// RL RF 1	Swept SA 50 Q AC SENSE:PUL 1000000 GHz Trig Delay-2.5	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	109:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P P P P P P
Agilent Spectrum Analyzer VI RL RF 1 Center Freq 2.44	Swept SA 50 Ω AC SENSE:PULS 1000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	09:00 PMDec 21,2017 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P P P P P P
Agilent Spectrum Analyzer XI RL RF 1 Center Freq 2.44	Swept SA 50 Ω AC SENSE:PULS 1000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	109:00 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE WWWWWWW DET P P P P P P Auto Tur rr1 2.878 ms
Agilent Spectrum Analyzer VI RL RF 1 Center Freq 2.44 10 dB/div Ref 20.1	Swept SA 50	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P P P P P P ir1 2.878 ms -1.33 dB
Agilent Spectrum Analyzer MSG Agilent Spectrum Analyzer MSG RL RF Center Freq 2.44 10 dB/div Ref 20.0 10.0 .000 .10.0	Swept SA 50 Ω AC SENSE:PULS 1000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE WWWWWW DET P P P P P rr1 2.878 ms -1.33 dB Center Fre
Agilent Spectrum Analyzer XI RL RF 1 Center Freq 2.44 10 dB/div Ref 20.0 10.0 0.00	Swept SA 50	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency ir1 2.878 ms Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre
Agilent Spectrum Analyzer X RL RF 1 Center Freq 2.44 10 dB/div Ref 20.1 0.00 10.0 20.0	Swept SA 50	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency rtr 2.878 ms Auto Tur -1.33 dB Center Fre Center Fre 2.441000000 GH
Agilent Spectrum Analyzer 20 RL RF 1 Center Freq 2.44 10 dB/div Ref 20.1 0.00 10.0 0.00 -10.0 -20.0 -30.0	Swept SA 50 Ω AC SENSE:PULS 10000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB 00 dBm 1Δ2 Nds subtransion bottom 1Δ2	e_3DH5_2441 E ALIGNAUTO (0 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE WWWWWW Auto Tur DET P P P Auto Tur -1.33 dB Center Fre Center Fre 2.441000000 GH Start Fre 2.441000000 GH
Agilent Spectrum Analyzer X RL RF 1 Center Freq 2.44 10 dB/div Ref 20.0 10	Swept SA 50	EE	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency ir1 2.878 ms Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre
Agilent Spectrum Analyzer Agilent Spectrum Analyzer Center Freq 2.44 10 dB/div Ref 20.1 Conter Freq 2.44 10.0	Swept SA 50 Ω AC SENSE:PUL 1000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB 00 dBm 1Δ2 1Δ2 1Δ2	E ALIGNAUTO O 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE [Wwwwwwww Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre 2.441000000 GF Stop Fre 2.441000000 GF Stop Fre 2.441000000 GF Stop Fre
Agilent Spectrum Analyzer M RL RF 1 Center Freq 2.44 10 dB/div Ref 20.0 10	Swept SA 50 Ω AC SENSE:PUL 1000000 GHz PN0: Fast →→ IFGain:Low #Atten: 30 dB 00 dBm 1Δ2 1Δ2 1Δ2	E ALIGN AUTO [0" 33 ms Avg Type: Log-Pwr	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE [WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
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Agilent Spectrum Analyzer Q0 RL RF 1 Center Freq 2.44 10 dB/div Ref 20.0 Log	Swept SA SENSE:PUL 10000000 GHz Trig Delay-2.5 PN0: Fast Trig: Video IFGain:Low #Atten: 30 dB 00 dBm 1Δ2 1000000 1Δ2 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140 1000000 140	e_3DH5_2441	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE WWWWWW Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre 2.441000000 GF Stop Fre 2.441000000 GF CF Ste 3 ms (8001 pts) CF Ste FUNCTION VALUE Auto
Agilent Spectrum Analyzer X RF T Center Freq 2.44 RF T 10 dB/div Ref 20.0 Log	Swept SA 50 Q AC SENSE-PUC 10000000 GHZ PN0: Fast Trig Delay-2.5 Trig: Video #Atten: 30 dB 00 dBm 1A2 1A2 1A2 1A2 1A2 1A2 1A2 1A2	e_3DH5_2441	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE (WWWWWW) Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Frequency Start Frequency 2.441000000 GF Start Frequency Start Frequency Start Frequency Start Frequency Start Frequency Center Frequency Start Frequency Start Freq Start FreqOffs
Agilent Spectrum Analyzer Q2 RL RF 12 Center Freq 2.44* 10 dB/div Ref 20.4 20 dB/div Ref 20.4 21 dB/div Ref 20.4 22 f t C 23 d 24 d 25 d 24 d 24 d 24 d </td <td>Swept SA 50 Q AC SENSE-PUC 10000000 GHZ PN0: Fast Trig Delay-2.5 Trig: Video #Atten: 30 dB 00 dBm 1A2 1A2 1A2 1A2 1A2 1A2 1A2 1A2</td> <td>e_3DH5_2441</td> <td>:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE WWWWWW Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre 2.441000000 GF Stop Fre 2.441000000 GF CF Ste 3 ms (8001 pts) CF Ste FUNCTION VALUE Auto</td>	Swept SA 50 Q AC SENSE-PUC 10000000 GHZ PN0: Fast Trig Delay-2.5 Trig: Video #Atten: 30 dB 00 dBm 1A2 1A2 1A2 1A2 1A2 1A2 1A2 1A2	e_3DH5_2441	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE WWWWWW Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Fre 2.441000000 GF Start Fre 2.441000000 GF Stop Fre 2.441000000 GF CF Ste 3 ms (8001 pts) CF Ste FUNCTION VALUE Auto
Agilent Spectrum Analyzer MSG Center Freq 2.44 Center Freq 2.44 O dB/div Ref 20.1 Log Image: Center Freq 2.44 10 dB/div Ref 20.1 Log Image: Center Freq 2.44 10 dB/div Ref 20.1 Image: Center Freq 2.44 Image: Center Freq 2.44 Image: Center 2.44 Image: Center Freq 2.44 Center 2.44 Image: Center Freq 2.44 Image: Center 2.44 Image: Center Freq 2.44 Image: Center Freq 2.44 Image: Center Freq 2.44 Image: Center	Swept SA 50 Q AC SENSE-PUC 10000000 GHZ PN0: Fast Trig Delay-2.5 Trig: Video #Atten: 30 dB 00 dBm 1A2 1A2 1A2 1A2 1A2 1A2 1A2 1A2	e_3DH5_2441	:09:00 PMDec 21, 2017 Frequency TRACE [1 2 3 4 5 6 Frequency TYPE (WWWWWW) Auto Tur DET P P P P P P Auto Tur -1.33 dB Center Frequency Start Frequency 2.441000000 GF Start Frequency Start Frequency Start Frequency Start Frequency Start Frequency Center Frequency Start Frequency Start Freq Start FreqOffs



	Freq 2.4		AC 0000 GI	Hz	SENSE: Trig Delay	-2.533 ms		ALIGNAUTO e: Log-Pwr	07:12:21 PM Dec 21, 2017 TRACE 1 2 3 4 5	6 Frequency
	1109 211		F	NO: Fast ← Gain:Low	Trig: Video #Atten: 30				TYPE WWWWWW	
10 dB/div	Bof 2	0.00 dl						ΔI	// 4kr1 2.879 ms -1.98 dE	
		0.00 0								
0.00										2.48000000 GHz
-10.0	A three day of attest they depute	444		والاطراب والمراجع	a deservative starts and a start the subscript	1∆2	tit. No. incide the t	a Realistic in a grant site way in		
-20.0		1								Start Fred
-30.0		+					1			2.480000000 GHz
-40.0		+ +					·			
-50.0		الدادية				u konstaalija d			a chailean (15)	Stop Fred
-70.0		n a la contra de la Contra de la contra d	44			الشيالياليسيا.	n 		an lan an la	2.480000000 GHz
Center	2.480000	000 GI	Hz						Span 0 Hz	CF Step
Res BW	1.0 MHz	:		#VB	W 3.0 MHz			Sweep 10	.13 ms (8001 pts) 1.000000 MHz
L	TRC SCL		×	879 ms (Δ	۲ ک) -1.98 d	FUNC	TION FUI	NCTION WIDTH	FUNCTION VALUE	Auto Mar
MKR MODE	t	, 		399 ms	-12.58 dB					Freq Offse
1 Δ2 2 F										0 Hz
1 Δ2 2 F 3 4										
1 Δ2 2 F 3										



A.5.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
3DH5	2402	79	>=15	PASS



KI RL						_	_	402	_	
Center F		Ω AC		SENS	E:PULSE		ALIGN AUTO	07:17:14 P	MDec 21, 2017	- Energy and a
	req 2.441	Р	lz NO: Fast ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold		TY	CE 123456 PE MWWWWW ET P P P P P P	
10 dB/div	Ref Offset Ref 20.00						ΔM	kr1 77.7 1	70 MHz .119 dB	
10.0 0.00 -10.0	1000000	ההההההה		100000000	ለሰ <i>ስ</i> በስስስለስ		Արսութուն		1 <u>1</u> 2	Center Freq 2.441750000 GHz
-20.0	, Thành thành thàn		¥¥¥¥¥¥¥		UT T T T T T T T T T T T T T T T T T T		AAAAAAAA	NA AA A		Start Freq 2.400000000 GHz
-50.0 -60.0 -70.0 										Stop Freq 2.483500000 GHz
	0000 GHz / 100 kHz		#VBV	/ 300 kHz			Sweep 8	Stop 2.44 2.000 ms (8350 GHz 8001 pts)	8.350000 MHz
MKR MODE 1	TRC SCL	× 77.77	0 MHz (Δ)	ү 1.119		CTION FUI	NCTION WIDTH	FUNCTIO	ON VALUE	<u>Auto</u> Man
2 F 3 4 5 6	f	2.402 15		-5.141 dE						Freq Offset 0 Hz
7 8 9										
10									<u> </u>	
ISG							K STATU:	s		
			Hoppi	ng Chai	nnel Nu	mber_2	2DH5_2	402		
KI RL	trum Analyzer - S RF 50 Freq 2.441	Ω AC 750000 GH	łz	SENS	::PULSE	#Avg Typ	ALIGN AUTO e: RMS	07:22:41 P	MDec 21, 2017 26 1 2 3 4 5 6 PE M WWWWW	-
XI RL Center F	RF 50	Ω AC 750000 GH P IF(7.01 dB		SENS	E:PULSE		ALIGN AUTO e: RMS : 10/10	07:22:41 PI TRAG TY D kr1 77.9	^{се} 123456 рем имими ет РРРРРР 79 МН 2	Auto Tune
10 dB/div 10.0 dB/div 10.0 0.00	Ref Offset Ref 2.000	Ω AC 750000 GH PI IF(7.01 dB 0 dBm	Iz NO: Fast ↔ Gain:Low	→ Trig: Free #Atten: 30	E:PULSE Run dB	#Avg Typ Avg Hold	ALIGNAUTO e: RMS : 10/10	07:22:41 PI TRA TRA TY D kr1 77.9 0	² 123456 PE ΜΥΝΟΥΝΟΝ ET P P P P P P P 79 MHz .637 dB	Auto Tune
Image: Conter F Center F Image: Conter F Im	RF 50	Ω AC 750000 GH PI IF(7.01 dB 0 dBm	Iz NO: Fast ↔ Gain:Low	→ Trig: Free #Atten: 30	E:PULSE Run dB	#Avg Typ Avg Hold	ALIGNAUTO e: RMS : 10/10	07:22:41 PI TRA TRA TY D kr1 77.9 0	² 123456 PE ΜΥΝΟΥΝΟΝ ET P P P P P P P 79 MHz .637 dB	Auto Tune Center Freq
10 dB/div Log 10.0 -10.0 -10.0 -20.0	Ref Offset Ref 2.000	Ω AC 750000 GH PI IF(7.01 dB 0 dBm	Iz NO: Fast ↔ Gain:Low	→ Trig: Free #Atten: 30	E:PULSE Run dB	#Avg Typ Avg Hold	ALIGNAUTO e: RMS : 10/10	07:22:41 PI TRA TRA TY D kr1 77.9 0	² 123456 PE ΜΥΜΗΥΝΗ ET P P P P P P P 79 MHz .637 dB	Auto Tune Center Freq 2.441750000 GHz Start Freq
2000 10.0	Ref Offset Ref 2.000	Ω AC 750000 GH PI IF(7.01 dB 0 dBm	IZ NO: Fast ↔ Sain:Low	→ Trig: Free #Atten: 30	E:PULSE Run dB	#Avg Typ Avg Hold		07:22:41.PI	79 MHz 637 dB 1023 4 5 6 79 MHz 637 dB 1023 102	Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.3500000 MHz
IO dB/div Center F 10.0 0.00 .000<	Ref Offset Ref Offset Ref 20.00 0000 GHz 100 KHz TRCI SCL	Ω AC 750000 GF PI PI IFG 7.01 dB OBM	IZ NO: Fast ↔ Sain:Low	SENSI Trig: Free #Atten: 30	EPULSE	#Avg Typ Avg Hold		07:22:41 PI TRA- TY D kr1 77.9 0	79 MHz 637 dB 1023 4 5 6 79 MHz 637 dB 1023 102	Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.3500000 MHz Auto
IO B/div Center F 10.0 000 10.0 -20.0 -20.0 -30.0 -40.0 -50.0 -50.0 Start 2.4 #Res BW MKR MODE 1 2 2 3 4 5	Ref Offset Ref 2.4417 Ref Offset Ref 20.00	Ω AC 750000 GF PI PI IFG 7.01 dB OBM	Iz NO: Fast ↔ Sain:Low #VW #VBV	SENSI Trig: Free #Atten: 30		#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	07:22:41 PI TRA- TY D kr1 77.9 0	79 MHz 637 dB 1422 14	Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.3500000 MHz Auto
IO dB/div Center F 10.0 10.0 10.0 .000 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .10.0 .20.	Ref Offset Ref Offset Ref 20.00 Minute 00000 GHz 100 kHz TRC SCL f		Iz NO: Fast ↔ Sain:Low #VW #VBV	SENSI Trig: Free #Atten: 30		#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	07:22:41 PI TRA- TY D kr1 77.9 0	79 MHz 637 dB 1422 14	Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz 2.483500000 GHz CF Step 8.350000 MHz Auto Man Freq Offset
RL enter F 0 dB/div 9 9 10.0 0.00 10.0 1	Ref Offset Ref Offset Ref 20.00 Minute 00000 GHz 100 kHz TRC SCL f		Iz NO: Fast ↔ Sain:Low #VW #VBV	SENSI Trig: Free #Atten: 30		#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	07:22:41 PI TRA- TY D kr1 77.9 0	79 MHz 637 dB 1422 14	Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz 2.483500000 GHz 8.350000 MHz Auto Man Freq Offset 0 Hz



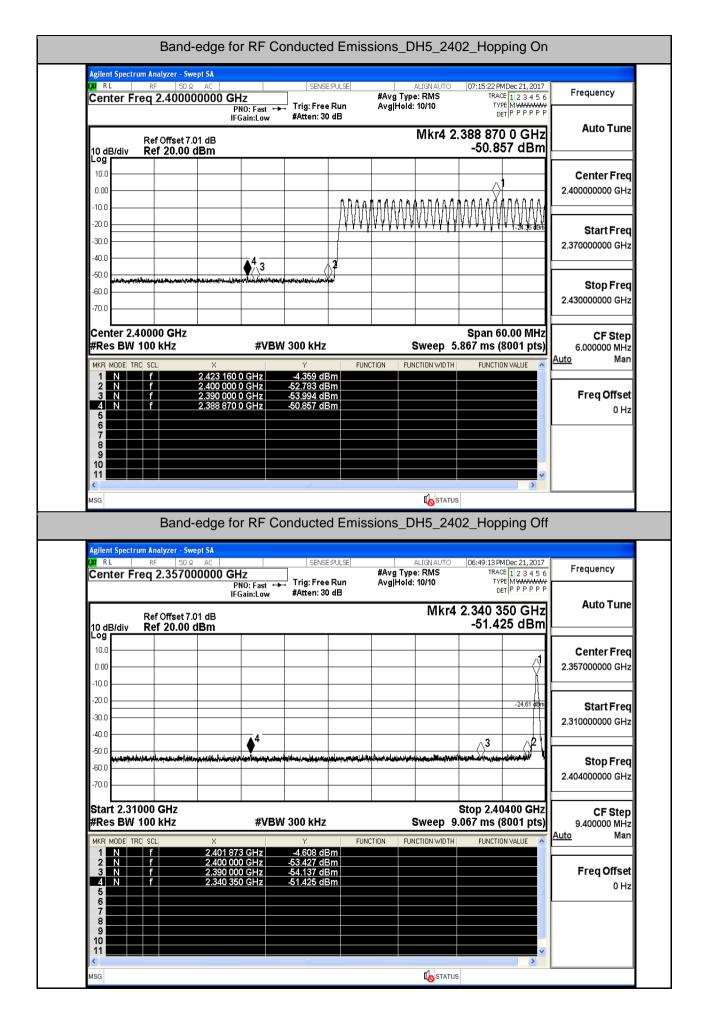
XIRL Center F		50000 GHz		ISE:PULSE	ALIGN AUTO	TRACE 1 2 3 4 5	6 Frequency
	Ref Offset 7	IFGain:I	ast 斗 Trig:Fr .ow #Atten:		Avg Hold: 10/10 ΔΝ	TYPE DET P P P P P Akr1 77.812 MHz 1.410 dE	P Auto Tune
10 dB/div 10.0 0.00 -10.0 -20.0				Annormania	where the address of the second se	1/2 1/2 1/2	Center Freq
-30.0 -40.0 -50.0							2.400000000 GHz
-60.0 -70.0							Stop Freq 2.483500000 GHz
#Res BV	0000 GHz / 100 kHz		≠VBW 300 kH	_	· · ·	Stop 2.48350 GHz 8.000 ms (8001 pts	
MKR MODE 1 Δ2 2 F 3 4 5	TRC SCL <u>f</u> <u>f</u>	× 77.812 MH 2.402 140 GH		FUNC 0 dB dBm	TION FUNCTION WIDT	TH FUNCTION VALUE	Freq Offset 0 Hz
6							



Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	-4.359	-50.857	-24.36	PASS
DH5	2402	Off	-4.608	-51.425	-24.61	PASS
DH5	2480	On	-3.760	-50.468	-23.76	PASS
DH5	2480	Off	-3.520	-50.860	-23.52	PASS
2DH5	2402	On	-5.253	-50.723	-25.25	PASS
2DH5	2402	Off	-6.047	-50.502	-26.05	PASS
2DH5	2480	On	-4.553	-50.726	-24.55	PASS
2DH5	2480	Off	-4.624	-50.926	-24.62	PASS
3DH5	2402	On	-5.185	-50.801	-25.19	PASS
3DH5	2402	Off	-5.689	-50.160	-25.69	PASS
3DH5	2480	On	-4.647	-50.816	-24.65	PASS
3DH5	2480	Off	-4.983	-50.930	-24.98	PASS

A.6.Band-edge for RF Conducted Emissions







ו						d-edge fo		
Frequency	07:16:31 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WAARAAAA	ALIGNAUTO Avg Type: RMS /g Hold: 10/10	#A	SENSE:P	lz	Ω AC 500000 GH	Ctrum Analyzer RF Freq 2.48	XI RL
Auto Tune	1490 227 5 GHz -50.468 dBm			#Atten: 30 d	NO: Fast 🔸 Gain:Low	7.01 dB	Ref Offs	
Center Free 2.483500000 GH;				۸ÂſI	ለለሲስለኮ			10 dB/ 10.0 -
Start Free 2.453500000 GH:	-23.76 dBm		4			<u>V</u>	<u>VYVVV</u>	-10.0 4 -20.0 - -30.0 - -40.0 -
Stop Fred 2.513500000 GH:	51.000,000,000,000,000,000,000,000,000,00		ninainsinsin akiin					-50.0 -60.0 -70.0
6.000000 MH	Span 60.00 MHz .867 ms (8001 pts)	-		300 kHz	#VBW		2.48350 G N 100 kHz	#Res
Freq Offse	FUNCTION VALUE	FUNCTION WIDTH		-3.760 dBn -52.850 dBn -53.121 dBn -50.468 dBn	0 GHz 0 GHz	× 2.465 162 2.483 500 2.500 000 2.490 227	TRC SCL f f f f f	1 N 2 N 3 N 4 N 5
								6
								7 8 9 10 11
		K STATUS		ini Ini				9
		-	Emissior	onducted	r RF Co	d-edge fo	Ba	9 10 11
f 5 Frequency	30_Hopping Off	-	LSE # A	SENSE:P	lz	Swept SA	ctrum Analyzei RF	9 10 11 MSG Agilent S
f Frequency Auto Tune	30_Hopping Off 06:53:36 PMDec 21, 2017 ТRACE [1 2 3 4 5 6 ТУРЕ МУЖУЖУ DET P P P P P	ALIGNAUTO Avg Type: RMS /g Hold: 10/10	LSE #A Jn Av	SENSE:P		5wept SA) Ω AC 000000 GH P IF(7.01 dB	ctrum Analyzer RF Freq 2.48 Ref Offs	9 10 11 MSG Agilent S XI RL Cente
f Frequency Auto Tune	30_Hopping Off 06:53:36 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P P	ALIGNAUTO Avg Type: RMS /g Hold: 10/10	LSE #A Jn Av	SENSE:P	Iz NO: Fast ↔	5wept SA) Ω AC 000000 GH P IF(7.01 dB	ctrum Analyzer RF Freq 2.48 Ref Offs	9 10 11 11 Agilent S X RL Cente 10 dB/4 Log 10.0 0.00
f Frequency Auto Tune Center Free	30_Hopping Off 106:53:36 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE [MWWWWW DET P P P P P 188 766 25 GHz -50.860 dBm -2352 dbm	ALIGNAUTO Avg Type: RMS /g Hold: 10/10	LSE #A Jn Av	SENSE:P Trig: Free R #Atten: 30 d	Iz NO: Fast ↔	Swept SA)Ω AC D000000 GH P IF0 IF0 IF0 IF0 IF0 IF0 IF0 IF0 IF0 IF0	ctrum Analyzer RF Freq 2.48 Ref Offs	Agilent S Agilent S MSG Agilent S M R L Cente
f Frequency Auto Tune Center Freq 2.48900000 GH Start Freq	30_Hopping Off 106:53:36 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 188 766 25 GHz -50.860 dBm	ALIGNAUTO Avg Type: RMS /g Hold: 10/10	LSE #A an Av 3	SENSE:P Trig: Free R #Atten: 30 d	Iz N0: Fast ↔ Sain:Low	5wept SA) Ω AC 000000 GH P IF(7.01 dB	Ref Offs	9 10 11 4 4 4 4 5 4 5 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5
f Frequency Auto Tune Center Freq 2.48900000 GH: Start Freq 2.478000000 GH: Stop Freq 2.50000000 GH: CF Step 2.200000 MH:	30_Hopping Off 106:53:36 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 188 766 25 GHz -50.860 dBm -23:52	ALIGNAUTO ANG Type: RMS /gHold: 10/10 Mkr4 2.44	LSE #A an Av 3	SENSE:P Trig: Free R #Atten: 30 d	Iz NO: Fast ↔ Sain:Low	Swept SA IΩ AC 000000 GH P IF0 F 0 dBm C C C C C C C C C C C C C	Ref Offs	9 10 11 11 11 11 10 10 10 10 10
f Frequency Auto Tune Center Freq 2.48900000 GH: Start Freq 2.47800000 GH: Stop Freq 2.50000000 GH: CF Step 2.200000 MH: Auto Mar	30_Hopping Off 30_Hopping Off 30_Hopping Off TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 388 766 25 GHz -50.860 dBm -2352 dBm -2352 dBm -350 250000 GHz	ALIGNAUTO Avg Type: RMS gHold: 10/10 Mkr4 2.48	LSE #A Jn Av 3	SENSE:P Trig: Free R #Atten: 30 d	Iz N0: Fast ↔ Sain:Low #VBM #VBM	Swept SA IΩ AC 000000 GH P IF0 F 0 dBm C C C C C C C C C C C C C	Ref Offs Ref 20	9 10 11 11 11 11 11 11 11 11 11
f Frequency Auto Tune Center Freq 2.48900000 GH: Start Freq 2.47800000 GH: Stop Freq 2.50000000 GH: CF Step 2.200000 MH: Auto Mar Freq Offse 0 H:	30_Hopping Off 106:53:36 PMDec 21, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 188 766 25 GHz -50.860 dBm -23:52	ALIGNAUTO Avg Type: RMS gHold: 10/10 Mkr4 2.48	LSE #A Jn Av 3	SENSE:P Trig: Free R #Atten: 30 d	Iz N0: Fast ↔ Sain:Low #VBM #VBM	Swept 5A IQ AC P IF 7.01 dB 0 dBm 	Arrando Contractor Con	9 10 11 12 13 14



LXIRL		DA AC		SENSE:P		ALIGNAUTO ype: RMS		MDec 21, 2017 CE 1 2 3 4 5 6	Frequency
Center F	req 2.400		I0: Fast ←	Trig: Free F	lun AvgjHo	old: 10/10	TY	PE MWWWWW ET P P P P P P	
		IFG	ain:Low	#Atten: 30 d		Mkr4 2	-	2 5 GHz	Auto Tun
10 dB/div	Ref Offset Ref 20.0					WIKI 4 2		23 dBm	
Log 10.0									Center Fre
0.00						1			2.400000000 GH
-10.0					markhankan	ϧ ͺϧϧϧϧϧ	h	AN A ALAN	
-20.0								-25.25 dBm	Start Fre
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-40.0	4		3	. A					
-50.0	kshojerni 12,112 in Tryan	and a salar is here where	aldine and	an a					Stop Fre
-70.0									2.430000000 GH
Center 3	40000 GH;	,					Cnon 6	0.00 MHz	
#Res BW		<u>-</u>	#VB	W 300 kHz		Sweep 5			CF Ste 6.000000 MH
MKR MODE T		X		Y		FUNCTION WIDTH	FUNCTI	ON VALUE	<u>Auto</u> Ma
1 N 2 N	f f	2.415 840 0	GHz	-5.253 dBn -52.736 dBn	1				From Offer
3 N 4 N	f f	2.390 000 0 2.378 602 5		-52.900 dBn -50.723 dBn					Freq Offse 0 H
5									511
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						K STATUS	3		
<	Band	l-edge for	RF C	onducted	Emissions_	-		>	
MSG		-	RF C	onducted	Emissions_	-		>	
Agilent Spectr	r um Analyzer - RF 5	Swept SA			ULSE	2DH5_24	02_Ho	oping Off	
Agilent Spectr	r um Analyzer - RF 5	Swept SA D Ω AC 000000 GH PN	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24	02_Hop	Deping Off	Frequency
Agilent Spectr	r um Analyzer - RF 5	Swept SA D Ω AC 000000 GH PN	Z	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	Dec 21, 2017 CE 1 2 3 4 5 6 PPPPPP PPPPPP	
Agilent Spectr	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	Deping Off	Frequency
Agilent Spectr X R L Center F 10 dB/div Log	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	> >	Frequency Auto Tun
Agilent Spectr	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	> >	Frequency
Agilent Spectr	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	> >	Frequency Auto Tun Center Fre
Agilent Spectr MSG Agilent Spectr MSG Center F 10 dB/div Log 10.0 0.00	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	> >	Frequency Auto Tun Center Fre
Agilent Specto	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	Dec 21, 2017 CCE 11, 23 4 5 6 CCE 12 3 4 5 6 CCE 12	Frequency Auto Tun Center Fre 2.357000000 GH
Agilent Spectr MSG Agilent Spectr MSG Center F 10 dB/div Center F 10.0 0.00 -10.0 -20.0 -30.0 -40.0	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA DR AC 0000000 GH PN IFG 7.01 dB	Z I0: Fast ←	SENSE:P	ULSE #Avg T kun Avg Ha	2DH5_24 ALIGNAUTO Type: RMS old: 10/10	02_Hop	Dec 21, 2017 CCE 11, 23 4 5 6 CCE 12 3 4 5 6 CCE 12	Frequency Auto Tun Center Fre 2.357000000 GH Start Fre
Agilent Spectro MSG Agilent Spectro MSG Center F 10 dB/div Center F 10 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 wdwithm	rum Analyzer - RF 5 req 2.357 Ref Offset	Swept SA 2 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm	Z I0: Fast ←	SENSE:P	ULSE #Avg 1 tun Avg He B	2DH5_24 ALIGNAUTO 'ype: RMS id: 10/10 Mkr4	06:56:04 P TRA TY 2.360 2 -50.5	Deping Off	Frequency Auto Tun Center Fre 2.357000000 GH Start Fre 2.310000000 GH
Agilent Spectr WSG Agilent Spectr W RL Center F 10 dB/div 10.0 .000 .10.0 .20.0 .30.0 .40.0 .50.0	Ref Offset Ref 2.357	Swept SA 2 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm	Z I0: Fast ← ain:Low	SENSE:P	ULSE #Avg T tun Avg He B	2DH5_24 ALIGNAUTO 'ype: RMS id: 10/10 Mkr4	06:56:04 P TRA TY 2.360 2 -50.5	Deping Off	Frequency Auto Tun Center Fre 2.357000000 GH Start Fre
Agilent Spectrix Msg IO dB/div Center F IO 0.00 10.0 20.0 -30.0 -40.0 -50.0 -60.0 -70.0	Ref Offset Ref 2.357	Swept SA 2 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm	Z I0: Fast ← ain:Low	SENSE:P	ULSE #Avg T tun Avg He B	2DH5_24 ALIGNAUTO 'ype: RMS id: 10/10 Mkr4	02_Hoj	Dec 21, 2017 CE 1 2 3 4 5 6 PP PP PP PP 208 GHz 02 dBm -28.05 pen -28.05 pen -28.05 pen	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.404000000 GH
Agilent Spectr MSG Agilent Spectr MSG Center F Center F 10 dB/div Conter F 10.0 -0.0 -10.0 -20.0 -30.0 -40.0 -40.0 -50.0 -70.0 Start 2.31	Ref Offset Ref 2.357	Swept SA 2 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm	Z I0: Fast ← ain:Low	SENSE:P	ULSE #Avg T tun Avg He B	2DH5_24	02_Hop	Dec 21, 2017 CE 1 2 3 4 5 6 FM WWWW ET P P P P P P 208 GHz 02 dBm -28.05 EEn -28.05 EEn -28.05 EEn -28.05 EEn -28.05 EEn -28.05 EEn	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.404000000 GH CF Ste
Agilent Spectro MSG MSG Center F 10 dB/div Conter F 10.0 10.0 -0.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0	Ref Offset Ref 2.357	Swept SA 2 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm	Z I0: Fast ← ain:Low	SENSE:P	ULSE #Avg T tun Avg He B	2DH5_24	02_Ho 06:56:04 P TRA TY 2.360 2 -50.5	Dec 21, 2017 CE 1 2 3 4 5 6 PP PP PP PP 208 GHz 02 dBm -28.05 pen -28.05 pen -28.05 pen	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH Stop Fre 2.404000000 GH CF Ste 9.400000 MH
Agilent Spect MSG Agilent Spect 20 10 dB/div Center F 10 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 Start 2.31 #Res BW	Ref Offset Ref 2.357	Swept SA 3 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm 	Z O: Fast ← ain:Low #VB1	SENSE:P → Trig: Free F #Atten: 30 d	ULSE	2DH5_24	02_Ho 06:56:04 P TRA TY 2.360 2 -50.5	Deping Off MDec 21, 2017 CE 12 3 4 5 6 PP P P P P P 208 GHz 02 dBm -26.05 EEn -26.05 EEn	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.404000000 GH 9.400000 GH <u>CF Ste</u> 9.400000 MH Auto Ma
Agilent Spect MSG Agilent Spect 20 10 dB/div Center F 10 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -30.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 2.31 #Res BW MKR MODE T 1 N 3 N	Ref Offset Ref 2.357	Swept SA D 2 AC 000000 GH PN IFG 7.01 dB 0 dBm 0 dBm	Z IO: Fast - ain:Low #VBI #VBI GHz GHz GHz	SENSE:P Trig: Free F #Atten: 30 d	ULSE #Avg T tun Avg He B	2DH5_24	02_Ho 06:56:04 P TRA TY 2.360 2 -50.5	Deping Off MDec 21, 2017 CE 12 3 4 5 6 PP P P P P P 208 GHz 02 dBm -26.05 EEn -26.05 EEn	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.310000000 GH 2.404000000 GH 2.404000000 GH 9.400000 MH Auto Ma
Agilent Spectron MISG MISG MISG Center F Center F 10 dB/div Conter F 10 0 0.00 -10.0 -20.0 -20.0 -30.0 -40.0 -20.0 -30.0 -40.0 -50.0 -70.0 -70.0 Start 2.31 #Res BW MKR MODE T 1 N Start 2.31 #Res BW	Ref Offset Ref 2.357	Swept SA 3 2 AC 0000000 GH PN IFG 7.01 dB 0 dBm 	Z IO: Fast - ain:Low #VBI #VBI GHz GHz GHz	SENSE:P → Trig: Free F #Atten: 30 d	ULSE #Avg T tun Avg He B	2DH5_24	02_Ho 06:56:04 P TRA TY 2.360 2 -50.5	Deping Off MDec 21, 2017 CE 12 3 4 5 6 PP P P P P P 208 GHz 02 dBm -26.05 EEn -26.05 EEn	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.404000000 GH 9.400000 GH <u>CF Ste</u> 9.400000 MH Auto Ma
Agilent Spectr MSG 10 dB/div Center F 10 dB/div Center F 10 0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -50.0 -40.0 -70.0 Start 2.31 #Res BW MKR MODE T 1 N 2 N 3 N 4 N	Ref Offset Ref 2.357	Swept SA D 2 AC 000000 GH Ph IFG 7.01 dB 0 dBm 0 dBm	Z IO: Fast - ain:Low #VBI #VBI GHz GHz GHz	SENSE:P Trig: Free F #Atten: 30 d	ULSE #Avg T tun Avg He B	2DH5_24	02_Ho 06:56:04 P TRA TY 2.360 2 -50.5	Deping Off MDec 21, 2017 CE 12 3 4 5 6 PP P P P P P 208 GHz 02 dBm -26.05 EEn -26.05 EEn	Frequency Auto Tun Center Fre 2.357000000 GH 2.310000000 GH 2.310000000 GH 2.404000000 GH 2.404000000 GH 9.400000 MH Auto Ma



Prequency Center Freq 2.483500000 GHz Trig: Free Run BAtter: 30 dB Mkr4 2.496 [100 db] Ref Offset 7.01 dB Mkr4 2.496 [100 db] O db Mkr4 2.496 [100 db] Center Freq 2.483500000 GH Center Freq 2.000 dbm Center Freq 2.483500000 GH Center Freq 2.48350 GHz Span 60.00 MHz Span		l-edge for RF C					
International and/or officer International and/or officer Mkr4 2.496 100 0 GHz Auto Tun 100 GB/dw Ref 20.00 dBm -50.726 dBm -60.26 dBm <	LXI RL RF 50	ΣΩ AC 500000 GHz		#Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency	
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Start 2.47800 GHz Stop 2.50000 GHz CF Step 2.20000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.133 ms (8001 pts) MKR MODE TRC SCL X Y FUNCTION FUNCTION VALUE 1 N f 2.479 839 75 GHz 4.624 dBm A.624 dBm 2 N f 2.493 500 00 GHz -53.407 dBm A.000 00 00 GHz -51.411 dBm 3 N f 2.499 986 25 GHz -50.926 dBm O H -63.407 dBm Freq Offset 4 N f 2.499 986 25 GHz -50.926 dBm O H -63.407 dBm O H 5 - - - - - - - - 8 - - - - - - - - 10 - - - - - - - - - 11 -	Rel Ref S0 10 dB/div Ref 20.00 10.0 0.00 0.00 -10.0 -20.0 -20.0	Swept SA DQ AC PN0: Fast IFGain:Low 7.01 dB 0 dBm	SENSE:PULSE	SSIONS_2DH5_248 ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	30_Hopping Off 170:00:09 PMDec 21, 2017 17RACE [1 2 3 4 5 6 17VPE M WWWW DET P P P P P P 99 986 25 GHz -50.926 dBm -24.62 dBm	Frequency Auto Tun Center Fre 2.48900000 GH Start Free	
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Agilent Spectrum Analyze XX RL RF Center Freq 2.48	50 Ω AC	SENSE:P	ULSE A		:24 PMDec 21, 2017 TRACE 1 2 3 4 5 6	Frequency
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-50.0 -60.0 -70.0			2 4 		nheeter and a second	Stop Freq 2.513500000 GHz
Center 2.48350 G #Res BW 100 kHz		#VBW 300 kHz		weep 5.867 n	<u> </u>	CF Step 6.000000 MHz <u>Auto</u> Man
MKR MODE TRC SCL 1 N f 2 N f 2 N f 3 N f 3 N f 5 5 5	× 2.460 160 0 2.483 500 0 2.500 000 0 2.487 130 0	GHz -52.929 dBn GHz -53.127 dBn	1	TION WIDTH FU	NCTION VALUE	Freq Offset 0 Hz
6 7 8 9 9 9 10						
					~	
A MSG				STATUS		
MSG	nd-edge for	RF Conducted	Emissions_3D	Kostatus H5_2480_H		
MSG Bai	r - Swept SA			H5_2480_H		
Msg Bar	r - Swept SA 50 Ω AC 39000000 GH	SENSE:P Z 0: Fast →→ Trig: Free F	ULSE A #Avg Type tun Avg Hold: /	H5_2480_F	Hopping Off	Frequency
Agilent Spectrum Analyze	r - Swept SA 50 Ω AC 39000000 GH2 PN	SENSE;P	ULSE A #Avg Type tun Avg Hold: ' B	H5_2480_F	► Appping Off	
Agilent Spectrum Analyze	r - Swept SA 50 Ω AC 3 39000000 GH3 PN IFG set 7.01 dB	Z 0: Fast ↔ Trig: Free F	ULSE A #Avg Type tun Avg Hold: ' B	H5_2480_F	Aopping Off 49 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MY DET P P P P P 13 50 GHz	Frequency
Agilent Spectrum Analyze	r - Swept SA S0 Ω AC 3 39000000 GH PN IFG set 7.01 dB .00 dBm	Z 0: Fast ↔ Trig: Free F	ULSE A #Avg Type tun Avg Hold: ' B	H5_2480_F	Appping Off 49 PMDec 21, 2017 ITACE 1 2 3 4 5 6 DET P P P P P P 13 50 GHz 0.930 dBm -24.98 dBm	Frequency Auto Tune Center Freq
Agilent Spectrum Analyze	r - Swept SA S0 Ω AC 3 39000000 GH PN IFG set 7.01 dB .00 dBm	Z O: Fast +++ ain:Low #Atten: 30 d	ULSE A #Avg Type tun Avg Hold: ' B	H5_2480_F	Appping Off 49 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P P 13 50 GHz 0.930 dBm -24.98 dBm 3,	Frequency Auto Tune Center Freq 2.48900000 GHz Start Freq
Agilent Spectrum Analyze Ref Offs Io dB/div Ref Offs Io dB/div Ref 20 Io dB/div Ref 20 <	r - Swept SA 50 Q AC 39000000 GH PN IFG set 7.01 dB 00 dBm 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Z O: Fast ↔ Trig: Free F #Atten: 30 d	ULSE A #Avg Type tun Avg Hold: / B //////////////////////////////////	H5_2480_F	Appping Off 49 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P P 13 50 GHz 0.930 dBm -24.98 dBm	Frequency Auto Tune Center Freq 2.48900000 GHz Start Freq 2.47800000 GHz Stop Freq
Agilent Spectrum Analyze XRL RF Center Freq 2.48 10 dB/div Ref Offs 10 dB/div Ref 20 10 dB/div Ref 3 10 dB/div Ref 3 11 dB/div Ref 3 11 dB/div Ref 3	r - Swept SA S0 Q AC 3 39000000 GH PN IFG iet 7.01 dB .00 dBm 4 	Z O: Fast →→ ain:Low #Atten: 30 d #Atten: 30 d ain:Low #Atten: 40 d ain:Low #VBW 300 kHz #VBW 300 kHz GHz -53.673 dBn -53.774 dBn	ULSE A #Avg Type tun Avg Hold: / B //////////////////////////////////	H5_2480_F	Appping Off 49 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE Museum DET P P P P P P 13 50 GHz 0.930 dBm -24.98 dBm -24.98 dBm -24.98 dBm -24.98 dBm -24.98 dBm -24.98 dBm	Frequency Auto Tune Center Freq 2.489000000 GHz 2.478000000 GHz 2.478000000 GHz 2.500000000 GHz 2.50000000 GHz CF Step 2.200000 MHz
Agilent Spectrum Analyze Agilent Spectrum Analyze RF Center Freq 2.48 Ref Offs 10 dB/div Ref Offs<	r - Swept SA S0 Q AC 3 39000000 GH PN IFG set 7.01 dB .00 dBm .00 dB	Z O: Fast →→ ain:Low #Atten: 30 d #Atten: 30 d ain:Low #Atten: 40 d ain:Low #VBW 300 kHz #VBW 300 kHz GHz -53.673 dBn -53.774 dBn	ULSE A #Avg Type tun Avg Hold: / B //////////////////////////////////	H5_2480_F	Appping Off 49 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P P 13 50 GHz 0.930 dBm -24.98 dBm	Frequency Auto Tune Center Freq 2.489000000 GHz Start Freq 2.478000000 GHz Stop Freq 2.500000000 GHz 2.50000000 GHz 2.200000 MHz Auto Man



A.7.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	-4.523	-38.632	<- 24.523	PASS
DH5	2441	30	25000	100	300	-4.085	-46.111	<- 24.085	PASS
DH5	2480	30	25000	100	300	-3.585	-46.147	<- 23.585	PASS
2DH5	2402	30	25000	100	300	-5.73	-45.598	<-25.73	PASS
2DH5	2441	30	25000	100	300	-5.216	-44.850	<- 25.216	PASS
2DH5	2480	30	25000	100	300	-4.788	-45.202	<- 24.788	PASS
3DH5	2402	30	25000	100	300	-5.767	-45.480	<- 25.767	PASS
3DH5	2441	30	25000	100	300	-5.162	-45.505	<- 25.162	PASS
3DH5	2480	30	25000	100	300	-4.606	-45.283	<- 24.606	PASS



X/RL	rum Analyzer - Sw RF 50 Ω			SENSE	E:PULSE		ALIGN AUTO	06·49·25 P	MDec 21, 2017	
	req 2.4020	00000 0	SHz PNO: Wide ↔ IFGain:Low		Run	#Avg Typ Avg Hold:	e: RMS	TRA	CE 1 2 3 4 5 6 PE MWWWWW DET P P P P P P	Frequency
10 dB/div	Ref Offset 7. Ref 20.00	01 dB	IF Galli.LUW			٢	Mkr1 2.4		75 GHz 23 dBm	Auto Tune
10.0										Center Freq 2.402000000 GHz
0.00						 ,				Start Freq 2.401000000 GHz
-10.0			and the second s			and the second s				
-30.0		and a second					لىرى مىھى	www.	-24.52 dBm	Stop Freq 2.403000000 GHz
-40.0 -50.0	WANNAR COMMAND							A North	Un man man	CF Step 200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
-70.0										
#Res BW	402000 GHz 100 kHz		#VBW	/ 300 kHz				.067 ms	2.000 MHz (8001 pts)	
#Res BW	100 kHz		#VBW	/ 300 kHz			Sweep 1	.067 ms	2.000 MHz (8001 pts)	
#Res BW ^{MSG} Agilent Spectr	100 kHz um Analyzer - Sw	rept SA	#VBW		:PULSE		STATUS	.067 ms	(8001 pts)	
#Res BW ^{MSG} Agilent Spectr XI RL	100 kHz um Analyzer - Sw	rept SA 2 AC 000000		SENSE			ALIGN AUTO e: RMS	.067 ms	2.000 MHz (8001 pts) (8001 pts) (Frequency
#Res BW MSG Agilent Spectr X RL Center F 10 dB/div	100 kHz um Analyzer - Sw RF 50 Ω	rept SA 2 AC 0000000	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS	.067 ms	(8001 pts)	
#Res BW MSG Agilent Spectr XI RL Center F	100 kHz um Analyzer - Sw ℝF 50 Ω req 12.5150 Ref Offset 7.1	rept SA 2 AC 0000000	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS	.067 ms	(8001 pts) ^{MDec 21, 2017 ^{CE} 12 3 4 5 6 ^{PE} М WWWWW _{ET} Р Р Р Р Р 898 MHz}	
#Res BW MSG Agilent Spectr X RL Center F Center F 10 dB/div	100 kHz um Analyzer - Sw ℝF 50 Ω req 12.5150 Ref Offset 7.1	rept SA 2 AC 0000000	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS	.067 ms	(8001 pts) ^{MDec 21, 2017 ^{CE} 12 3 4 5 6 ^{PE} М WWWWW _{ET} Р Р Р Р Р 898 MHz}	Auto Tune Center Freq
#Res BW Agilent Spectr X RL Center F 10.0 .0.00 .10.0 .20.0	100 kHz um Analyzer - Sw ℝF 50 Ω req 12.5150 Ref Offset 7.1	rept SA 2 AC 0000000	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS	.067 ms	(8001 pts) ^{MDec 21, 2017 ^{CE} 12 3 4 5 6 ^{PE} М WWWWW _{ET} Р Р Р Р Р 898 MHz}	Auto Tune Center Freq 12.515000000 GHz Start Freq
#Res BW Agilent Spectry Agilent Spectry XI RL Center Fi 10 dB/div 10.0 .0.00 .10.0	100 kHz um Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.1 Ref 20.00 0	rept SA 2 AC 0000000	GHz PNO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS	.067 ms	(8001 pts)	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
#Res BW Agilent Spectr XI RL Center F 10.0 .000 .10.0 .20.0 .30.0	100 kHz um Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.1 Ref 20.00 0	rept SA 2 AC 0000000	GHz PN0: Fast ↔	SENSE	Run	#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	.067 ms	(8001 pts)	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.497000000 GHz Auto Man Freq Offset
#Res BW Agilent Spectry Agilent Spectry Agilent Spectry 10 dB/div Center Fi 10.0 -00 -10.0 -20.0 -30.0 -40.0	100 kHz um Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.1 Ref 20.00 0	Pept SA AC 0000000 01 dB dBm 	GHz PN0: Fast ↔	SENSE	Run) dB	#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	.067 ms	(8001 pts)	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.497000000 GHz Auto
Res BW sG gilent Spectr 0 dB/div 0 dB/div	100 kHz um Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.1 Ref 20.00 0	Pept SA AC 0000000 01 dB dBm 	GHz PN0: Fast ↔	SENSE	Run) dB	#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	.067 ms	(8001 pts)	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.497000000 GHz Auto Man Freq Offset



Center F	req 2.44100	Р	⊣z NO: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold:		TRA	MDec 21, 2017 CE 1 2 3 4 5 6 PE M WWWW ET P P P P P P	Frequency
10 dB/div	Ref Offset 7.0 Ref 20.00 (01 dB	Gam.Luw			٦	Mkr1 2.4		00 GHz 85 dBm	Auto Tune
10.0										Center Freq
						1				2.441000000 GHz
-10.0			port	w	h					Start Freq 2.44000000 GHz
-20.0			harman			Junear	www.			
-30.0	مەرمىر	and the second s					m Hore	hone and the second sec	-24.09 dBm	Stop Freq 2.442000000 GHz
-40.0 mm								- North - Nort	t when we we we wanted	CF Step 200.000 kHz
-50.0									Mr.	<u>Auto</u> Man
-60.0										Freq Offset 0 Hz
-70.0										
Contor 2	441000 GHz							Snan 2	2.000 MHz	
			#VBW	300 kHz		:	Sweep 1	.067 ms ((8001 pts)	
#Res BW	100 KHZ								· · /	L
	TOURIZ		<i>""</i> • • • • •					\$		
NSG Agilent Spect	rum Analyzer - Sw		<i>"</i> , , , , , , , , , , , , , , , , , , ,	SENSE	E:PULSE		STATUS			
NSG Agilent Spect <mark>X/</mark> R L	rum Analyzer - Sw	AC 000000 (F	SHz NO: Fast ↔	Trig: Free		#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	06:51:51 P	MDec 21, 2017 CE 1 2 3 4 5 6	Frequency
MSG Agilent Spect <mark>X/</mark> R L	rum Analyzer - Sw RF 50 Ω Treq 12.5150	AC 000000 C F IF	SHz	1	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 132 GHz	
MSG Agilent Spect <mark>X/</mark> R L	<mark>rum Analyzer - Sw</mark> RF 50 Ω	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P	
Agilent Spect XI RL Center F 10 dB/div	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 132 GHz	Auto Tune Center Freq
Agilent Spect X RL Center F 10 dB/div 10.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 132 GHz	Auto Tune
Agilent Spect XI RL Center F 10 dB/div Log 10.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 132 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
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Agilent Spect XI RL Center F 10 dB/div Log 10.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 132 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spect XI RL Center F 10 dB/div Log 10.0 -10.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz
Agilent Spect X RL Center F 10 dB/div 10.0 0.00 -10.0 -20.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	SHz NO: Fast ↔	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	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 10.0 .0.00 .10.0 .20.0 .30.0 .40.0	rum Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC 000000 C F IF 1 dB JBm	GHZ Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz
Agilent Spect XI RL Center F 10.0 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -40.0	rum Analyzer - Sw RF 50 Ω Treq 12.5150 Ref Offset 7.0	AC 000000 C F IF 01 dB	GHZ Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto
Agilent Spect X RL Center F 10.0 10.0 .0.00 .10.0 .20.0 .30.0 .40.0	rum Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC 000000 C F IF 1 dB JBm	GHZ Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Agilent Spect XI RL Center F 10.0 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -40.0	rum Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC 000000 C F IF 1 dB JBm	GHZ Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:51:51 P TRA TY D kr2 24.4	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWW IN PP P P I32 GHz 11 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset
Agilent Spect XI RL Center F 10 dB/div 10.0 .0.00 .10.0 .20.0 .30.0 .40.0 .50.0	rum Analyzer - Sw RF 50 Ω req 12.515(Ref Offset 7.(Ref 20.00 of 1 1 1 1 1 1 1 1 1 1 1 1 1	AC 000000 C F IF 1 dB JBm	SHz NO: Fast →→ Gain:Low	Trig: Free		#Avg Typ		06:51:51 P TRA- TY D kr2 24.4 -46.1	MDec 21, 2017 CE 11 2 3 4 5 6 PE MWWWWWW IN PP P P I32 GHz 11 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset



Center I	Freq 2.4800	Р	NO: Wide 🔸	Trig: Free #Atten: 30		#Avg Type Avg Hold:	e: RMS 10/10	TRAI TY D	CE 1 2 3 4 5 6 PE MWWWWW ET P P P P P P	Frequency
10 dB/div	Ref Offset 7. Ref 20.00	01 dB	Gain:Low	#Atten: 30		ŗ	//kr1 2.4	180 150	75 GHz 85 dBm	
10.0										Center Freq 2.480000000 GHz
-10.0			~		t					Start Freq 2.479000000 GHz
-20.0		and the second							-23.59 dBm	Stop Freq 2.481000000 GHz
-40.0	What							1000	Malan Marine and Ma	CF Step 200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
	.480000 GHz							Span 2	2.000 MHz	
#Res BW	/ 100 kHz		#VBW	/ 300 kHz		-			(8001 pts)	
MSG							I STATUS	5		
	trum Analyzer - Sw	ent Så					I o status	\$		
Agilent Spec <mark>XI</mark> RL		AC		SENSE	E:PULSE		ALIGN AUTO	06:54:01 P	MDec 21, 2017 CE 1 2 3 4 5 6	Frequency
Agilent Spec <mark>XI</mark> RL		AC 000000 C	GHZ N0: Fast ↔ Gain:Low	7	Run	#Avg Type Avg Hold:	ALIGN AUTO e: RMS	06:54:01 P TRA	MDec 21, 2017 26 1 2 3 4 5 6 PE MWWWWW ET P P P P P	
Agilent Spec XI RL Center I 10 dB/div	RF 50 Ω	DO00000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	CE 1 2 3 4 5 6	
Agilent Spec XI RL Center I	RF 50 জ Freq 12.515	DO00000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	^{се} 123456 РЕМ ЖЖЖИ ЕТРРРРРР 978 GHz	
Agilent Spec XI RL Center I 10 dB/div Log	RF 50 জ Freq 12.515	DO00000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	^{се} 123456 РЕМ ЖЖЖИ ЕТРРРРРР 978 GHz	Auto Tune Center Freq
Agilent Spec XI RL Center I 10 dB/div Log 10.0	RF 50 জ Freq 12.515	DO00000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	^{се} 123456 РЕМ ЖЖЖИ ЕТРРРРРР 978 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spec XI RL Center I 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0	RF 50 জ Freq 12.515	DO00000 G P IF	NO: Fast +	Trig: Free #Atten: 30	e Run 0 dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	278 GHz 47 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spec 24 RL Center I 10.0 10.0 -10.0 -20.0 -30.0	RF 50 জ Freq 12.515	DO00000 G P IF	NO: Fast +	Trig: Free #Atten: 30	Run	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	278 GHz 47 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset
Agilent Spec X RL Center I 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -41.0	RF 50 জ Freq 12.515	AC P P IF D1 dB dBm	NO: Fast +	Trig: Free #Atten: 30	e Run 0 dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	06:54:01 P TRA TY D kr2 24.9	278 GHz 47 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto
20 RL Center I 10.0	Ref Offset 7. Ref 20.00	AC P P IF D1 dB dBm	NO: Fast ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10 M	06:54:01 P TRAI TY D kr2 24.9 -46.1	278 GHz 47 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset



Center Fre	q 2.4020(Р	NO: Wide +	, Trig: Free #Atten: 30		#Avg Typ Avg Hold:		TRAC TYP	^{2E} 1 2 3 4 5 6 РЕМ ИЛИМИ ЕТРРРРР	Frequency
10 dB/div 🛛 🖡	tef Offset 7.0 Ref 20.00 (01 dB	Gain:Low	#Atten: 30		Γ	Vkr1 2.4	102 148	75 GHz 30 dBm	1 • • • • • • • • • • • • • • • • • •
Log										Center Freq
10.0										2.402000000 GHz
0.00					1					Start Freq
-10.0		~~M~~~~	1 mart	MANN	www.a/Ma	<u> </u>				2.401000000 GHz
-20.0		Martin					- 304	<u> </u>	-25.73 dBm	Stop Freq
-30.0									-25.75 dbm	2.403000000 GHz
-40.0	X									CF Step
-50.0	w							, J.	m whith	200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset
										0 Hz
-70.0										
Center 2.40				300 kHz				Span 2	.000 MHz	
							sween i	.067 ms (8001 DISI	
	0 kHz		#vBw	500 KHZ				-	,	
MSG		ept SA	#VBW	500 KHZ				-		
NSG Agilent Spectrum XI RL	<mark>Analyzer - Sw</mark> RF 50 Ω	AC 000000	SHz	SENSE	E:PULSE	#Avg Typ	ALIGN AUTO e: RMS	06:56:29 PM	MDec 21, 2017 注 1 2 3 4 5 6	Frequency
WSG Agilent Spectrum <mark>XI</mark> RL	<mark>Analyzer - Sw</mark> RF 50 Ω	AC 000000 G		SENSE	Run		ALIGN AUTO e: RMS : 2/10	06:56:29 PM TRAC TYP DI	MDec 21, 2017 E 1 2 3 4 5 6 MWWWW T P P P P P	
Agilent Spectrum XIRL Center Free 10 dB/div F	<mark>Analyzer - Sw</mark> RF 50 Ω	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 注 1 2 3 4 5 6	
Agilent Spectrum XI RL Center Fred 10 dB/div F	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 12 12 3 4 5 6 PE MWWWW ET P P P P P 29 GHz	Auto Tune Center Freq
Agilent Spectrum XIRL Center Free 10 dB/div F	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 12 12 3 4 5 6 PE MWWWW ET P P P P P 29 GHz	Auto Tune
Agilent Spectrum XI RL Center Fred 10 dB/div F	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 12 1 2 3 4 5 6 PE MWWWW ET P P P P P 29 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spectrum X RL Center Fred 10 dB/div 10.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 12 1 2 3 4 5 6 PE MWWWW ET P P P P P 29 GHz	Auto Tune Center Freq 12.51500000 GHz
Agilent Spectrum XI RL Center Fred Conter Fred 10 dB/div F Log 10.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spectrum XI RL Center Free 10 dB/div F 10.0 0.00 -10.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 12 1 2 3 4 5 6 PE MWWWW ET P P P P P 29 GHz	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz
Agilent Spectrum X RL Center Free 10 dB/div 10.0 0.00 -10.0 -20.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step
Center Free	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC P P IF P P P P P P P P P P P P P	SHz NO: Fast ->- Gain:Low	SENSE	Run) dB	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYJ DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz
Agilent Spectrum XI RL Center Fred Center Fred 10.0 B/div F 10.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC 000000 G P IF 01 dB	SHz NO: Fast ->- Gain:Low	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYI DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Agilent Spectrum XI RL Center Free 10 dB/div F 10.0 .0.00 .10.0 .20.0 .30.0 .40.0 .60.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC P P IF P P P P P P P P P P P P P	SHz NO: Fast ->- Gain:Low	SENSE	Run) dB	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYI DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto
Agilent Spectrum XI RL Center Fred Center Fred 10.0 B/div F 10.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0	AC P P IF P P P P P P P P P P P P P	SHz NO: Fast ->- Gain:Low	SENSE	Run) dB	#Avg Typ	ALIGN AUTO e: RMS : 2/10	06:56:29 Pr TRAC TYI DI kr2 24.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto Man Freq Offset
Agilent Spectrum XI RL Center Free 10 dB/div F 10.0 .0.00 .10.0 .20.0 .30.0 .40.0 .60.0	Analyzer - Sw RF 50 Ω q 12.5150 Ref Offset 7.0 Ref 20.00 0 1 1 1 1 1 1 1 1 1 1 1 1 1	AC P P IF P P P P P P P P P P P P P	SHz N0: Fast →→ Gain:Low	SENSE	Run) dB	#Avg Typ		06:56:29 PM TRAC TYT DE kr2 24.5 -45.5	MDec 21, 2017 E 11 2 3 4 5 6 MWWWWW er P P P P P P 98 dBm 98 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto Man Freq Offset



Center	Freq 2.4410	PN	lz 10: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold:		TRAC TYI DI	^{СЕ} 123456 РЕМ УЖИМИ ЕТРРРРРР	Frequency
10 dB/div	Ref Offset 7. Ref 20.00	01 dB				٦	Mkr1 2.4	40 830 -5.2	25 GHz 16 dBm	Auto Tune
Log										Center Freq
10.0										2.441000000 GHz
0.00				● ¹						Start Freq
-10.0		- And Marine		" W VUNA	ᢧ᠋ᢆᢧ᠕ᠰᢦ᠕ᠰ	June Aler				2.440000000 GHz
-20.0		/						h	-25.22 dBm	Stop Freq
-30.0									-25.22 dbm	2.442000000 GHz
-40.0	/									CF Step
-50.0	AMM ^M							h	wwwwww	200.000 kHz <u>Auto</u> Man
-50.0									- 1	Freq Offset
-60.0										0 Hz
-70.0										
Center 2	2.441000 GHz							Span 2	.000 MHz	
#Res BV	N 100 kHz		#VBW	/ 300 kHz		:	Sweep 1	.067 ms (8001 pts)	
							1			
							STATUS	•		
Agilent Spec		AC AC		SENSE	E:PULSE		ALIGN AUTO	06:58:37 P	MDec 21, 2017	Frequency
Agilent Spec		e ac 0000000 G Pl	iHz NO: Fast ↔ Gain:Low]	Run	#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	06:58:37 Pf	MDec 21, 2017 12 1 2 3 4 5 6 15 MWWWWWW T P P P P P P	Frequency
Agilent Spec XI RL Center	RF 50 G Freq 12.515 Ref Offset 7.	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	Frequency Auto Tune
Agilent Spec	RF 50 G Freq 12.515 Ref Offset 7.	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	СЕ 123456 РЕМ ИМИМИ ЕТРРРРРР	Auto Tune
Agilent Sper XI RL Center 10 dB/div	RF 50 G Freq 12.515 Ref Offset 7.	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	
Agilent Spea XI RL Center 10 dB/div Log	RF 50 G Freq 12.515 Ref Offset 7.	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	Auto Tune Center Freq 12.515000000 GHz
Agilent Sper X RL Center 10 dB/div Log	RF 50 G Freq 12.515 Ref Offset 7.	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	Auto Tune Center Freq
Agilent Spei XI RL Center 10 dB/div Log 10.0	Ref Offset 7. Ref 20.00	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz
Agilent Spec 24 RL Center 10 dB/div 10.0 .10.0 .20.0	Ref Offset 7. Ref 20.00	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	26 1 2 3 4 5 6 Реминики ПРРРРРР 71 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spec (M) RL Center 10 dB/div 10.0 .10.0 .10.0	Ref Offset 7. Ref 20.00	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	271 GHz 50 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz
Image: Center 10 dB/div 10.0 0.00 -10.0 -20.0	Ref Offset 7. Ref 20.00	2 AC 000000 G PI IFC 01 dB	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	271 GHz 50 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Agilent Spec XI RL Center 10 dB/div Log 10.0 -10.0 -20.0 -30.0	Ref Offset 7. Ref 20.00	2 AC 000000 G PI IFC 01 dB	NO: Fast + Sain:Low	Trig: Free	Run	#Avg Typ- Avg Hold:	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	271 GHz 50 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz
Agilent Sper 2 RL Center 10 dB/div 10.0 -10.0 -20.0 -30.0 -40.0	Ref Offset 7. Ref 20.00	AC PI IF0 PI IF0 PI PI PI PI PI PI PI PI PI PI	NO: Fast + Sain:Low	Trig: Free	e Run D dB	#Avg Typ- Avg Hold:	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	271 GHz 50 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset
Agilent Spei R Center 10 dB/div 10.0 .0.00 .10.0 .20.0 .30.0 .40.0 .50.0	Ref Offset 7. Ref 20.00	AC PI IF0 PI IF0 PI PI PI PI PI PI PI PI PI PI	NO: Fast + Sain:Low	Trig: Free	e Run D dB	#Avg Typ- Avg Hold:	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0	271 GHz 50 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.497000000 GHz
Agilent Sper 2 RL Center 10 dB/div 10.0 -10.0 -10.0 -20.0 -30.0 -40.0 -50.0	Ref Offset 7. Ref 20.00	AC PI IF0 PI IF0 PI PI PI PI PI PI PI PI PI PI	NO: Fast + Sain:Low	Trig: Free	e Run D dB	#Avg Typ- Avg Hold:	ALIGNAUTO e: RMS : 2/10	06:58:37 Pr TRAC TYI DI kr2 23.0 -44.8	22 23456 2017 2	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset
Agilent Sper 2 RL Center 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	Ref Offset 7. Ref 20.00	AC PI IF0 PI IF0 PI PI PI PI PI PI PI PI PI PI	NO: Fast ↔ Sain:Low	Trig: Free	e Run D dB	#Avg Typ- Avg Hold:		06:58:37 Pr TRAC TY D kr2 23.0 -44.8	271 GHz 50 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset



Center I	Freq 2.4800	Р	NO: Wide +	Trig: Free #Atten: 30		#Avg Typ Avg Hold:		TRAC TYI DI) ^{2E} 1 2 3 4 5 6 РЕМ ИЛИИИ ET P P P P P P	Frequency
10 dB/div	Ref Offset 7. Ref 20.00	01 dB	Gain:Low	#Atten: 30		1	Mkr1 2.4	480 153	25 GHz 88 dBm	Auto Tune
										Center Freq
10.0										2.480000000 GHz
0.00					∮ 1	' 				Start Freq
-10.0		American	and the second	WWWWWW	www.Ym	harmon	and we are			2.479000000 GHz
-20.0		- Contraction of the second se					1980 March			Stop Freq
-30.0									-24.79 dBm	2.481000000 GHz
-40.0										CF Step
Whoma a	Walk whe							\ \ \	www	200.000 kHz <u>Auto</u> Man
-50.0										Freq Offset
-60.0										0 Hz
-70.0										
Center 2	.480000 GHz							Span 2	.000 MHz	
	/ 100 kHz		#VBW	300 kHz			Sweep 1	.067 ms (8001 pts)	
							STATUS	\$		
Agilent Spec <mark>XI</mark> RL		2 AC		SENSE	:PULSE		ALIGNAUTO	07:00:33 Pf	4Dec 21, 2017	Frequency
Agilent Spec <mark>XI</mark> RL		2 AC 0000000 G P	NO: Fast +]	Run	#Avg Typ Avg Hold:	ALIGN AUTO e: RMS	07:00:33 PI	4Dec 21, 2017 E 1 2 3 4 5 6 M MMMMM T P P P P P P	Frequency
Agilent Spec XI RL Center I	RF 50 ۵ Freq 12.515 Ref Offset 7.	2 AC 000000 G P IF		Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	Frequency Auto Tune
Agilent Spec XI RL Center I	RF 50 G Freq 12.515	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	Е <u>1</u> 23456 РЕМ ИЖИМИ ЕТРРРРРР	Auto Tune
Agilent Spec XI RL Center I 10 dB/div	RF 50 ۵ Freq 12.515 Ref Offset 7.	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	
Agilent Spec XI RL Center I 10 dB/div	RF 50 ۵ Freq 12.515 Ref Offset 7.	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	Auto Tune Center Freq 12.51500000 GHz
Agilent Spec XI RL Center I 10 dB/div Log	RF 50 ۵ Freq 12.515 Ref Offset 7.	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	Auto Tune Center Freq
Agilent Spec XI RL Center I 10 dB/div Log 10.0	Ref Offset 7. Ref 20.00	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz
Agilent Spec XI R L Center I 10 dB/div 10.0 10.0 -10.0 -20.0	Ref Offset 7. Ref 20.00	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	E 1 2 3 4 5 6 MWWWWW TPPPPP 76 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spec XI RL Center I 10.0 10.0 -10.0 -20.0 -30.0	Ref Offset 7. Ref 20.00	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	76 GHz 02 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz
10 dB/div 10.0 dB/div 10.0	Ref Offset 7. Ref 20.00	2 AC 000000 G P IF	NO: Fast +	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	76 GHz 02 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spec XI RL Center I 10.0 10.0 -10.0 -20.0 -30.0	Ref Offset 7. Ref 20.00	2 AC 000000 G P IF	NO: Fast ++- Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	76 GHz 02 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2497000000 GHz Auto
Agilent Spec X RL Center I 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0	Ref Offset 7. Ref 20.00	2 AC P P IF1 01 dB dBm	NO: Fast ++- Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	76 GHz 02 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Agilent Spec A RL Center I 10 dB/div Log 10.0 .0.000 .0.000 .0.0000 .0.00000 .0.0000 .0.00000 .0.0000 .0.000000 .0.0000000	Ref Offset 7. Ref 20.00	2 AC P P IF1 01 dB dBm	NO: Fast ++- Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 Pr TRAC TYI DI kr2 24.4	76 GHz 02 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset
Agilent Spec A RL Center I 10 dB/div 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0	Ref Offset 7. Ref 20.00	2 AC P P IF1 01 dB dBm	NO: Fast ++- Gain:Low	Trig: Free	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	07:00:33 PI TRAC TY DI kr2 24.4 -45.2	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset
Agilent Spec 2 RL Center I 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0	Ref Offset 7. Ref 20.00	2 AC P P IF1 01 dB dBm	NO: Fast +>- Gain:Low	Trig: Free	Run	#Avg Typ	ALIGNAUTO e: RMS : 2/10 M	07:00:33 PI TRA TY D kr2 24.4 -45.2	76 GHz 02 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset



Center Fr	eq 2.40200	Р	1z NO: Wide ↔ Gain:Low	, Trig: Free #Atten: 30		#Avg Type Avg Hold:		TRAC TYI DI	^{СЕ} 1 2 3 4 5 6 РЕ М УМИМИ ЕТ Р Р Р Р Р Р	Frequency
10 dB/div	Ref Offset 7.0	D1 dB	Gam.Low			η	Mkr1 2.4	101 845 -5.7	25 GHz 67 dBm	Auto Tune
										Center Freq
10.0										2.402000000 GHz
0.00				● 1						Start Freq
-10.0		mygn		Mynnow			J. J.			2.401000000 GHz
-20.0							"holes	h		Stop Freq
-30.0								- W	-25.77 dBm	2.403000000 GHz
-40.0								h N		CF Step
	want							`	man	200.000 kHz <u>Auto</u> Man
-50.0										
-60.0										Freq Offset 0 Hz
-70.0										
Center 2.4	02000 GHz							Snan 2	.000 MHz	
#Res BW			#VBW	300 kHz		;	Sweep 1	.067 ms (8001 pts)	
										C
							STATUS			
Asg Agilent Spectri	um Analyzer - Sw	ept SA		SENSE	:PULSE		LIGN AUTO		MDec 21, 2017	
Ag <mark>ilent Spectro XI</mark> R L	um Analyzer - Sw	AC D00000 G P	NO: Fast 🔸	Trig: Free	Run	#Avg Type Avg Hold:	ALIGN AUTO e: RMS	07:07:28 Pf	MDec 21, 2017 2E 1 2 3 4 5 6 PE MWWWWW ET P P P P P P	Frequency
MSG <mark>Agilent Spectro XI</mark> R L	u <mark>m Analyzer - Sw</mark> RF 50 Ω	AC 000000 G P IF]	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	
MSG <mark>Agilent Spectro XI</mark> R L	u <mark>m Analyzer - Sw</mark> RF 50 Q T eq 12.515(AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	^{СЕ} 1 2 3 4 5 6 РЕ М УЖИМИ ЕТ Р Р Р Р Р Р Р	
Agilent Spectri Mart RL Center Fr 10 dB/div	u <mark>m Analyzer - Sw</mark> RF 50 Ω Teq 12.5150 Ref Offset 7.0	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	
Agient Spectri X RL Center Fr 10 dB/div Log	u <mark>m Analyzer - Sw</mark> RF 50 Ω Teq 12.5150 Ref Offset 7.0	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	Auto Tune Center Freq
Agilent Spectri XI RL Center Fr 10 dB/div Log 10.0	u <mark>m Analyzer - Sw</mark> RF 50 Ω Teq 12.5150 Ref Offset 7.0	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spectri XI RL Center Fr 10 dB/div Log 10.0 .000	m Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	Auto Tune Center Freq 12.51500000 GHz
Agilent Spectri XI RL Center Fr 10 dB/div Log 10.0	m Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	се 123456 рем имими ет РРРРРР 73 GHz	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spectri XI RL Center Fr 10 dB/div Log 10.0 .000	m Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz
Agient Spectri X RL Center Fr 10 dB/div 10.0 10.0 -10.0 -20.0	m Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spectri 20 dB/div Center Fr 10.0 10.0 -10.0 -20.0 -30.0	IIII Analyzer - Sw RF 50 Ω Ref Offset 7.0 Ref 20.00 (AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step
Agient Spectri R Center Fr 10 dB/div 0.00 -10.0 -20.0 -30.0 -40.0	m Analyzer - Sw RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 o	AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run 0 dB	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto Man Freq Offset
Agilent Spectri Agilent Spectri Center Fr 10.0 dB/div 10.0 .0.000 .0.000 .0.000 .0.000 .0.000 .0.000 .0.000 .0.000 .0.000 .0.0000 .0.000 .0.000 .0.000 .0.0000 .0.0000 .0.0000 .0.0000 .0.0000 .0.0000 .0.	IIII Analyzer - Sw RF 50 Ω Ref Offset 7.0 Ref 20.00 (AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run 0 dB	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto
Agilent Spectri X RL Center Fr 10.0 dB/div 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0	IIII Analyzer - Sw RF 50 Ω Ref Offset 7.0 Ref 20.00 (AC DOOOOOO G P IF1 D1 dB	NO: Fast 🔸	Trig: Free	Run 0 dB	#Avg Type	ALIGN AUTO e: RMS 2/10	07:07:28 Pr TRAC TYI DI kr2 24.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto Man Freq Offset
Agilent Spectri Agilent Spectri Center Fr 10 dB/div 0.00 10.0 .0.0	IIII Analyzer - Sw RF 50 Ω Teq 12.5150 Ref Offset 7.0 Ref 20.00 0 1 1 1 1 1 1 1 1 1 1 1 1 1	AC DOOOOOO G P IF1 D1 dB	NO: Fast →→ Gain:Low	Trig: Free	Run 0 dB	#Avg Type	ALIGNAUTO e: RMS 2/10 MI	07:07:28 PI TRAC TYI DI kr2 24.4 -45.4	E 123456 EM WWWWW ETPPPPP 73 GHz 80 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset



Center Freq 2.44	PN	Z O: Wide ↔ → Jain:Low	Trig: Free #Atten: 30		#Avg Type Avg Hold:		TRAC TYF DE) Тем <u>www.ww</u> Тррррр	Frequency
10 dB/div Ref 20	et 7.01 dB .00 dBm	unit ow			η	//kr1 2.4		75 GHz 62 dBm	Auto Tune
Log									Center Freq
10.0									2.441000000 GHz
0.00				1					Start Freq
-10.0	- Aundamar	r	My mar ward		Julle and a lot	m			2.440000000 GHz
-20.0	- AN					- marka		25.40 JD-	Stop Freq
-30.0								-25.16 dBm	2.442000000 GHz
-40.0							h.		CF Step
Mar war where							6	month	200.000 kHz <u>Auto</u> Man
-50.0								·	Freq Offset
-60.0									0 Hz
-70.0									
Center 2.441000 (GHz						Span 2	.000 MHz	
#Res BW 100 kHz		#VBW :	300 kHz				.067 ms (8001 pts)	
						-			
						I ostatus			
Agilent Spectrum Analyze X/ RL RF	50 Ω AC		SENSE	PULSE		ALIGN AUTO	07:09:38 PM	4Dec 21, 2017	Frequency
Agilent Spectrum Analyze XI RL RF	50 Ω AC 515000000 G PN	Hz I0: Fast ↔ ain:Low	SENSE Trig: Free #Atten: 30	Run	#Avg Type Avg Hold:	ALIGN AUTO	07:09:38 PM	4Dec 21, 2017 差 1 2 3 4 5 6 ™ ₩₩₩₩₩₩ T P P P P P P	Frequency
Agilent Spectrum Analyze X RL RF Center Freq 12.3 Ref Offs	50 Ω AC 515000000 G PN	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E123456	Frequency Auto Tune
Agilent Spectrum Analyze X RL RF Center Freq 12.5 Ref Offs 10 dB/div Ref 20	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 1 2 3 4 5 6 MWWWWW TPPPPPP 57 GHz	
Agilent Spectrum Analyze X RL RF Center Freq 12.5 Ref Offs 10 dB/div Ref 20	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 1 2 3 4 5 6 MWWWWW TPPPPPP 57 GHz	Auto Tune
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 1 2 3 4 5 6 MWWWWW TPPPPPP 57 GHz	Auto Tune Center Freq 12.51500000 GHz
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 1 2 3 4 5 6 MWWWWW TPPPPPP 57 GHz	Auto Tune Center Freq
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 1 2 3 4 5 6 MWWWWW TPPPPPP 57 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run	#Avg Type	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz
Center Freq 12.: Ref Offs 10 dB/div Ref 20 10.0 .000 .10.0 .000 .10.0 .000 .10.0 .000 .10.0 .000 .10.0 .00	50 Ω AC 515000000 G PN IFG et 7.01 dB	10: Fast +	Trig: Free	Run dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq
Agilent Spectrum Analyze	50 Ω AC 515000000 G PN IFG et 7.01 dB	IO: Fast +	Trig: Free	Run	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz 2.497000000 GHz Auto
Agilent Spectrum Analyze Agilent Spectrum Analyze Ref Offs Center Freq 12.5 Ref Offs 10 dB/div Ref 20 10.0 .00 .00 .00 .00 .00 .00 .00 .00 .	50 Ω AC 515000000 G PN IFG et 7.01 dB .00 dBm	IO: Fast +	Trig: Free	Run dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Agilent Spectrum Analyze X RL RF Center Freq 12.5 Ref Offs 10 dB/div Ref 20 10.0 .0000 .0	50 Ω AC 515000000 G PN IFG et 7.01 dB .00 dBm	IO: Fast +	Trig: Free	Run dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYP DI Kr2 24.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset
Agilent Spectrum Analyze X RL RF Center Freq 12.5 Ref Offs 10 dB/div Ref 20 10.0 .000 .10.0 .000 .10.0 .000 .10.0 .000 .0	50 Ω AC 515000000 G PN IFG et 7.01 dB .00 dBm	IO: Fast +	Trig: Free	Run dB	#Avg Type Avg Hold:	ALIGN AUTO e: RMS 2/10	07:09:38 PM TRAC TYI DR kr2 24.5 -45.5	E 123456 EM MWWWW TP PPPP 557 GHz 05 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz 2.49700000 GHz Auto Man Freq Offset



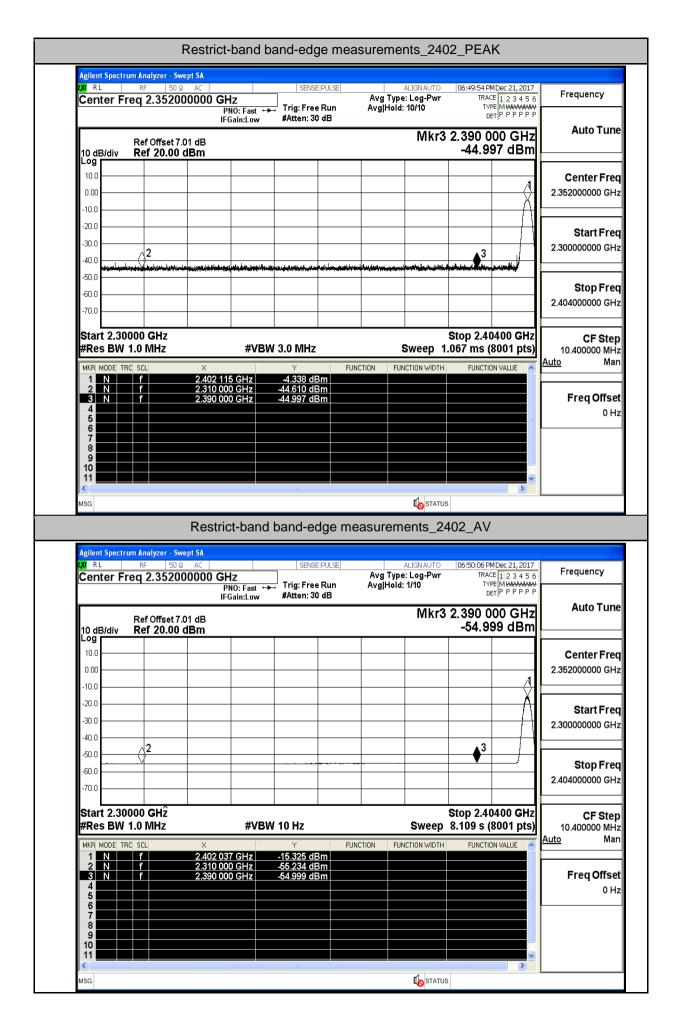
Center F	req 2.4800(PN	1z 10: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold	e: RMS : 10/10	TRAC TY D	^{СЕ} 1 2 3 4 5 6 РЕ М ИЛИМИ ЕТ Р Р Р Р Р Р	Frequency
10 dB/div	Ref Offset 7.0 Ref 20.00 (01 dB	Sumeow				Vkr1 2.4		00 GHz 06 dBm	Auto Tune
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.10.00		w. m.	m	wwww	myn	1	Mr.			Start Freq 2.479000000 GHz
-20.0		4ª Y						hora and a second secon	-24.61 dBm	Stop Freq 2.481000000 GHz
-40.0	W							h h	mange	CF Step 200.000 kHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
Center 2.4	480000 GHz							əpanz	.000 MHz	
#Res BW	100 kHz um Analyzer - Sw		#VBW	/ 300 kHz	-0111 SE		Sweep 1	.067 ms ((8001 pts)	
#Res BW ISG Agilent Specti	100 kHz 'um Analyzer - Swi RF 50 Q req 12.515(AC 1000000 G PI IFC		SENSE			ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 ²⁵ 1 2 3 4 5 6 ре Мумими вт Р Р Р Р Р 046 GHz	Frequency Auto Tune
#Res BW	100 kHz um Analyzer - Swa RF 50 Ω	AC 000000 G P IFC 01 dB	iHz N0: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 E 1 2 3 4 5 6 MMMMMM ET P P P P P	Auto Tune
#Res BW	100 kHz um Analyzer - Swu ℝF 50 Ω req 12.5150 Ref Offset 7.0	AC 000000 G P IFC 01 dB	iHz N0: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 ²⁵ 1 2 3 4 5 6 ре Мумими вт Р Р Р Р Р 046 GHz	
#Res BW Agilent Spectron Agilent Spectron Marcel Center F 10 dB/div - 0g 10.0 0.00	100 kHz um Analyzer - Swu ℝF 50 Ω req 12.5150 Ref Offset 7.0	AC 000000 G P IFC 01 dB	iHz N0: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 ²⁵ 1 2 3 4 5 6 ре Мумими вт Р Р Р Р Р 046 GHz	Auto Tune Center Freq
#Res BW Isg Isg Agilent Spector IO dB/div -09 10.0 .000 .10.0 .10.0 .10.0 .20.0	100 kHz um Analyzer - Swa RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 c	AC 000000 G P IFC 01 dB	iHz N0: Fast ↔	SENSE	Run	#Avg Typ	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 ²⁵ 1 2 3 4 5 6 ре Мумими вт Р Р Р Р Р 046 GHz	Auto Tune Center Freq 12.51500000 GHz Start Freq
#Res BW Isg	100 kHz um Analyzer - Swa RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 c	AC PI	iHz N0: Fast → Sain:Low	SENSE	Run 0 dB	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 E [] 2 3 4 5 6 FM WWWW FM P P P P P P P46 GHz 83 dBm	Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq
#Res BW Isg Agilent Spector XI RL Center F 10 dB/div -99 10.0	100 kHz um Analyzer - Swa RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 c	AC 000000 G P IFC 01 dB	iHz N0: Fast → Sain:Low	SENSE	Run	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 E [] 2 3 4 5 6 FM WWWW FM P P P P P P P46 GHz 83 dBm	Start Freq 30.000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz
Press BW/ Isg Isg Isg	100 kHz um Analyzer - Swa RF 50 Ω req 12.5150 Ref Offset 7.0 Ref 20.00 c	AC PI	iHz N0: Fast → Sain:Low	SENSE	Run 0 dB	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 2/10	.067 ms (07:13:12 Pi TRAC TY D kr2 23.0	MDec 21, 2017 E [] 2 3 4 5 6 FM WWWW FM P P P P P P P46 GHz 83 dBm	Auto Tune Center Freq 12.51500000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz <u>CF Step</u> 2.497000000 GHz <u>Auto</u> Man Freq Offset



Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-44.61	2	0	52.65	PEAK	74	PASS
DH5	On	2310.0	-55.23	2	0	42.02	AV	54	PASS
DH5	On	2390.0	-45.00	2	0	52.26	PEAK	74	PASS
DH5	On	2390.0	-55.00	2	0	42.26	AV	54	PASS
DH5	On	2483.5	-44.67	2	0	52.59	PEAK	74	PASS
DH5	On	2483.5	-54.75	2	0	42.51	AV	54	PASS
DH5	On	2500.0	-45.00	2	0	52.25	PEAK	74	PASS
DH5	On	2500.0	-54.62	2	0	42.64	AV	54	PASS
2DH5	On	2310.0	-44.60	2	0	52.65	PEAK	74	PASS
2DH5	On	2310.0	-55.22	2	0	42.04	AV	54	PASS
2DH5	On	2390.0	-44.19	2	0	53.07	PEAK	74	PASS
2DH5	On	2390.0	-54.96	2	0	42.30	AV	54	PASS
2DH5	On	2483.5	-43.11	2	0	54.15	PEAK	74	PASS
2DH5	On	2483.5	-54.74	2	0	42.52	AV	54	PASS
2DH5	On	2500.0	-44.15	2	0	53.11	PEAK	74	PASS
2DH5	On	2500.0	-54.65	2	0	42.61	AV	54	PASS
3DH5	On	2310.0	-45.32	2	0	51.94	PEAK	74	PASS
3DH5	On	2310.0	-55.22	2	0	42.04	AV	54	PASS
3DH5	On	2390.0	-43.72	2	0	53.54	PEAK	74	PASS
3DH5	On	2390.0	-55.00	2	0	42.26	AV	54	PASS
3DH5	On	2483.5	-43.93	2	0	53.33	PEAK	74	PASS
3DH5	On	2483.5	-54.77	2	0	42.49	AV	54	PASS
3DH5	On	2500.0	-44.58	2	0	52.68	PEAK	74	PASS
3DH5	On	2500.0	-54.63	2	0	42.63	AV	54	PASS

A.8.Restrict-band band-edge measurements







₩ RL RF 50 Ω Center Freq 2.48900	00000 GHz PN0: Fast +	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	06:54:18 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWW DET P P P P P P	Frequency
Ref Offset 7.0		#Atten: 30 dB	Mkr3 2.5	00 000 00 GHz -45.003 dBm	Auto Tu
10 dB/div Ref 20.00 c					Center Fr 2.489000000 G
-10.0 -20.0 -30.0 -40.0	2 2			3	Start Fr 2.478000000 G
-50.0 -60.0 -70.0	Les Miles de la comunitation de la comunitatione de la comunitatione de la comunitatione de la comunitatione de Les comunitationes de la comunitation	Jennyagi i data julun set setet i julunet att pisarte 		Antennilisent ihreften um han den and	Stop Fr 2.500000000 G
Start 2.47800 GHz #Res BW 1.0 MHz	#VB	W 3.0 MHz	Sweep 1.	stop 2.50000 GHz 067 ms (8001 pts)	CF St 2.200000 M
2 N f 2 3 N f 2 4 5	× 2.479 894 75 GHz 2.483 500 00 GHz 2.500 000 00 GHz	Y FU -3.441 dBm -44.665 dBm -45.003 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M Freq Offs 0
6					
8 9 10					
9			Lo status	~ →	
9 10 11	Restrict-banc	d band-edge m	Costatus easurements_24		
9 10 11 MSG Agilent Spectrum Analyzer - Swe Xi RL RF 50 \Re	ept SA	d band-edge m	easurements_24	80_AV	Frequency
9 10 MSG Agilent Spectrum Analyzer - Swe	ept SA	SENSE:PULSE	easurements_24	80_AV	Frequency
9 10 11 MSG Agilent Spectrum Analyzer - Swe W RL RF 50 Ω Center Freq 2.48900 Ref Offset 7.0 10 dB/div Ref 20.00 c	AC AC D0000 GHz PN0: Fast ← IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	06:54:30 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW	
9 10 11 11 11 11 11 11 11 11 11 11 11 11	AC AC D0000 GHz PN0: Fast ← IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	06:54:30 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWY DET P P P P P 00 000 00 GHz	Auto Tu Center Fr
9 10 11 ▲ Agilent Spectrum Analyzer - Swe 20 RL RF 50 Ω Center Freq 2.48900 Ref Offset 7.0 10 dB/div Ref 20.00 c Log 10.0 0.00 0.00	PPT SA AC 100000 GHz PN0: Fast ← IFGain:Low D1 dB IBM	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	80_AV	Frequency Auto Tu Center Fr 2.489000000 G Start Fr 2.478000000 G
9 10 11 11 11 11 Msg	AC AC D0000 GHz PN0: Fast ← IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	06:54:30 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWY DET P P P P P 00 000 00 GHz	Auto Tu Center Fr 2.489000000 G Start Fr 2.478000000 G Stop Fr
9 10 11 ▲ MSG Agilent Spectrum Analyzer - Swe Ø RL RF 50 Q Center Freq 2.48900 Center Freq 2.48900 c 10 dB/div Ref 20.00 c 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0	PN0: Fast	SENSE:PULSE	easurements_24	80_AV	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr 2.50000000 G CF St 2.20000 M
9 10 11 MSG	PN0: Fast → IFGain:Low	SENSE:PULSE	easurements_24	06:54:30 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P 00 000 00 GHz -54.618 dBm 3 3 3 5top 2.50000 GHz	Auto Tu Center Fr 2.489000000 G Start Fr 2.478000000 G Stop Fr 2.50000000 G CF St 2.200000 M
9 10 10 11 11 11 ▲ MSG Ref Offset 7.0 Center Freq 2.48900 Ref 20.00 c 10 dB/div Ref 20.00 c 10.0 1 .00 1 .00 1 .00 1 .00 1 .00 1 .00 1 .00 1 .00 .00	AC DI dB BBM DI D	SENSE:PULSE	easurements_24	80_AV 106:54:30 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P 00 000 00 GHz -54.618 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr 2.50000000 G CF St 2.20000 M



Center Freq 2.3		SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	06:56:46 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
	PNO: Fas IFGain:Lo	JL		DET PPPP	Auto Tu
	fset 7.01 dB 0.00 dBm		Mkr3	2.390 000 GHz -44.190 dBm	Auto Tu
Log					
0.00				Å	2.357000000 G
-10.0				μ. Α	
-20.0					Start Fr
-30.0				▲3	2.310000000
-50.0	dan ya da balan da a sa	ماندو یکی اور	er held i er hel gener til hel en sen si her slåtste størte atte fler sla		
-60.0					Stop Fr 2.404000000 G
-70.0					2.404000000
Start 2.31000 GH				Stop 2.40400 GHz	CF St
#Res BW 1.0 MH	Z #	VBW 3.0 MHz	Sweep 1	.067 ms (8001 pts)	9.400000 M Auto N
1 N f 2 N f	2.402 132 GHz 2.310 000 GHz	-5.033 dBm	Site in Site i		
3 N f	2.390 000 GHz				Freq Offs
5 6				=	
7 8					
9 10					
				×	
MSG			T OTATU		
				6	
	Restrict-ba	and band-edge m	-		
Agilent Spectrum Analyz	er - Swept SA		easurements_2	402_AV	1
Agilent Spectrum Analyz WRLRF Center Freq 2.3	er - Swept SA 50 Ω AC 57000000 GHz	SENSE:PULSE	easurements_2	06:56:58 PMDec 21, 2017 TRACE 12 2 3 4 5 6	Frequency
LXIRL RF	er - Swept SA 50 Ω AC	st →→ Trig: Free Run	easurements_2	06:56:58 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	
Center Freq 2.3	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	
Center Freq 2.3 Ref Off 10 dB/div Ref 2	er - Swept SA 50 Ω AC 57000000 GHz PN0: Fa: IFGain:Lo	st →→ Trig: Free Run	easurements_2	06:56:58 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Auto Tu
Zenter Freq 2.3 Center Freq 2.3 Ref Off 10 dB/div Ref 2 10.0	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fi
Center Freq 2.3 Ref Off 10 dB/div Ref 2	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fi
Center Freq 2.3 Center Freq 2.3 Ref Off CodB/div Ref 2 10.0 0.00	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Frequency Auto Tu Center Fr 2.357000000 G
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 10.0	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fi 2.35700000 G Start Fr
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 10.0	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fr 2.35700000 G Start Fr
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 00	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fr 2.357000000 G Start Fr 2.310000000 G Stop Fr
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 10.0	er - Swept SA 50 Ω AC 570000000 GHz PN0: Fas FGain:Lc fset 7.01 dB	st →→ Trig: Free Run	easurements_2	402_AV	Auto Tu Center Fr 2.357000000 G Start Fr 2.310000000 G Stop Fr
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 10.0	er - Swept SA 50 Q AC 57000000 GHz PN0: Fas IFGain:Lo fset 7.01 dB 0.00 dBm	SENSE:PULSE	easurements_2	402_AV	Auto Tu Center Fi 2.357000000 0 Start Fi 2.310000000 0 Stop Fi 2.404000000 0
XX RF Center Freq 2.3 Center Freq 2.3 Ref Off 10 dB/div Ref Off 10.0 Ref 2 20.0 Ref 2 -30.0 Ref 2 <	r - Swept SA 50 Ω AC 157000000 GHz PN0: Fast IFGain:Lo Fset 7.01 dB 0.00 dBm 10 10 10 12 12 12 15 15 15 15 15 15 15 15 15 15	SENSE:PULSE	easurements_2	402_AV	Auto Tu Center Fi 2.357000000 C Start Fi 2.310000000 C Stop Fi 2.404000000 C CF St 9.400000 N
RL RF Center Freq 2.3 Ref Off 10 dB/div Ref Off 20 d	er - Swept SA 50 Q AC 57000000 GHz PN0: Fai IFGain:Lo fset 7.01 dB 0.00 dBm 	VBW 10 Hz	easurements_2	402_AV	Auto TL Center Fi 2.357000000 0 Start Fi 2.310000000 0 Stop Fi 2.404000000 0 CF St 9.400000 N
XX RF Center Freq 2.3 Center Freq 2.3 Ref Off O dB/div Ref Off 10.0 Ref Off 0.00 Ref Off 10.0 Ref Off 0.00 Ref Off 10.0 Ref Off 0.00 Ref Off -0.0 Ref Off -20.0	r - Swept SA 50 Q AC 257000000 GHz PN0: Fat IFGain:Lu Fset 7.01 dB 0.00 dBm 	SENSE:PULSE st Trig: Free Run #Atten: 30 dB Image: State of the state of t	easurements_2	402_AV	Auto Tu Center Fi 2.357000000 G Start Fi 2.310000000 G Stop Fi 2.404000000 G GCF St 9.400000 M Auto M
X RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 10 0	er - Swept SA 50 AC 57000000 GHz PN0: Fai IFGain:Lo fset 7.01 dB 0.00 dBm 	SENSE:PULSE st Trig: Free Run #Atten: 30 dB	easurements_2	402_AV	Auto Tu Center Fr 2.357000000 C Start Fr 2.310000000 C Stop Fr 2.40400000 C Stop Fr 2.40400000 C Freq Off
XX RL RF Center Freq 2.3 Ref Off 10 dB/div Ref Off 20 dB/div Ref Off -0 db/div	er - Swept SA 50 AC 57000000 GHz PN0: Fai IFGain:Lo fset 7.01 dB 0.00 dBm 	SENSE:PULSE st Trig: Free Run #Atten: 30 dB	easurements_2	402_AV	Auto Tu Center Fr 2.357000000 G Start Fr 2.310000000 G Stop Fr 2.404000000 G CF St 9.400000 M



₩ RL RF 50Ω Center Freq 2.489000	AC 000 GHz PNO: Fast +++ IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	07:00:50 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Frequency
Ref Offset 7.01 10 dB/div Ref 20.00 dB			Mkr3 2.50	00 000 00 GHz -44.145 dBm	Auto Tu
10.0 0.00 -10.0					Center Fr 2.489000000 G
-20.0				and and a state of the state of	Start Fr 2.478000000 G
-50.0 -60.0 -70.0					Stop Fr 2.500000000 G
Start 2.47800 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz		Stop 2.50000 GHz 067 ms (8001 pts)	CF St 2.200000 M
2 N f 2.4 3 N f 2.5 4	× 180 109 25 GHz 183 500 00 GHz 500 000 00 GHz	Y FUN -3.999 dBm -43.112 dBm -44.145 dBm -44.145 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M Freq Offs 0
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9 10 11 11				 ♪	
9 10 11 K MSG			I STATUS		
9 10 11 K MSG		band-edge me	easurements_24		
9 10 11 K MSG	SA AC 000 GHz PN0: Fast ↔	SENSE:PULSE	-	07:01:02 PMDec 21, 2017	Frequency
9 10 11 MSG Agilent Spectrum Analyzer - Swept M RL RF 50 Ω Center Freq 2.489000 Ref Offset 7.01	SA AC 000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	80_AV	
9 10 MSG Agilent Spectrum Analyzer - Swept X RL RF 50 Ω Center Freq 2.489000 Ref Offset 7.01 10 dB/div Ref 20.00 dE Log 10.0 0.00	SA AC 000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:01:02 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P D0 000 00 GHz	Auto Tu Center Fr
9 10 11 MSG Agilent Spectrum Analyzer - Swept Mg RL RF 50 Ω Center Freq 2.489000 Ref Offset 7.01 10 dB/div Ref 20.00 dE 10.0 0.00 -10.0 -30.0	SA AC 000 GHz PN0: Fast ↔ IFGain:Low dB BM	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:01:02 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P D0 000 00 GHz	Auto Tu Center Fr 2.48900000 G Start Fr
9 10 MSG Agilent Spectrum Analyzer - Swept // RL RF 50Ω Center Freq 2.489000 Ref Offset 7.01 10 dB/div Ref 20.00 dE 10.0 0.00 -10.0 -20.0 -30.0 -60.0 -60.0	SA AC 000 GHz PN0: Fast ↔ IFGain:Low	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:01:02 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P D0 000 00 GHz	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr
9 10 11 K MSG Agjlent Spectrum Analyzer - Swept VI RL RF 50 Q Center Freq 2.489000 Ref Offset 7.01 10 dB/div Ref 20.00 dE 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	SA AC 000 GHz PN0: Fast ↔ IFGain:Low dB BM	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.50	07:01:02 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P D0 000 00 GHz -54.646 dBm	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr 2.50000000 G
9 10 11 11 11 11 11 10 11 10 10	SA AC	SENSE:PULSE Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.50	80_AV	Auto Tu Center Fr 2.48900000 G Start Fr 2.478000000 G Stop Fr 2.50000000 G CF St 2.200000 M
9 10 Agilent Spectrum Analyzer - Swept 20 RL RF 50Ω Center Freq 2.489000 Ref Offset 7.01 10 dB/div Ref 20.00 dE 10.0 20.0 -30.0 -40.0 -30.0 -40.0 -50.0 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 N f 2.42	SA AC □ 000 GHz PN0: Fast ↔ IFGain:Low dB BM 2 2 #VBW	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.50	80_AV	Auto Tu Center Fr 2.489000000 G Start Fr 2.478000000 G Stop Fr 2.500000000 G CF Sto 2.200000 M



Center Freq 2.3	PNO: Fa	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	07:07:45 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	
	IFGain:L	ow #Atten: 30 dB	Mkr3	2.390 000 GHz -43.718 dBm	Auto Tu
Log	0.00 dBm			-43.7 10 UBIII	
0.00				1	Center Fr 2.357000000 G
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Start 2.31000 GH #Res BW 1.0 MH		VBW 3.0 MHz	Sween 1	Stop 2.40400 GHz .067 ms (8001 pts)	CF St 9.400000 M
MKR MODE TRC SCL	×	Y FI	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> N
1 N f 2 N f 3 N f	2.401 967 GH 2.310 000 GH 2.390 000 GH	z -45.318 dBm			Freq Offs
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Agilent Spectrum Analyz (XI) RL RF	er - Swept SA 50 Ω AC	and band-edge m	easurements_2	s 402_AV 07:07:57 PMDec 21, 2017	Frequency
Agilent Spectrum Analyz	er - Swept SA 50 Ω AC	SENSE:PULSE ast →→ Trig: Free Run	easurements_2	s 402_AV	
Agilent Spectrum Analyz XXI RL RF Center Freq 2.3 Ref Off	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 07:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 5 2.390 000 GHz	Auto Tu
Agilent Spectrum Analyz XV RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 20	er - Swept SA 50 Q AC 57000000 GHz PNO: Fa IFGain:L	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	S 402_AV 07:07:57 PMDec 21, 2017 TRACE 12 3 4 5 6 TYPE MWWWW DET P P P P P	Auto Tu
Agilent Spectrum Analyz XI RL RF Center Freq 2.3 10 dB/div Ref 2/	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 07:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 5 2.390 000 GHz	Auto Tu Center Fi
Agilent Spectrum Analyz VI RL RF Center Freq 2.3 10 dB/div Ref Off 10 dB/div Ref 2/ 10.0 0.00	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 07:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 5 2.390 000 GHz	Auto Tu Center Fr
Agilent Spectrum Analyz (Y) RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2(Log	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 07:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 5 2.390 000 GHz	Auto Tu Center Fr 2.35700000 G Start Fr
Agilent Spectrum Analyz (Y) RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2: Log	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 777777777777777777777777777777777777	Auto Tu Center Fr 2.357000000 G
Agilent Spectrum Analyz XI RF Center Freq 2.3 Ref Off 10 dB/div Ref Off 10.0	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 07:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 5 2.390 000 GHz	Auto Tu Center Fr 2.357000000 G Start Fr 2.310000000 G Stop Fr
Agilent Spectrum Analyz Vill RF Center Freq 2.3 Iod dB/div Ref Off 10 dB/div Ref 2/ 10.0	er - Swept SA 50 Ω AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB	SENSE:PULSE ast →→ Trig: Free Run	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10	s 402_AV 777777777777777777777777777777777777	Auto Tu Center Fr 2.35700000 G Start Fr 2.310000000 G
Agilent Spectrum Analyz Y RL RF Center Freq 2.3 Ref Off 10 dB/div Ref 2 Log	er - Swept SA 50 Q AC 57000000 GHz PNO: Fa IFGain:L fset 7.01 dB 0.00 dBm	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10 Mkr3	s 402_AV 107:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P 2 2.390 000 GHz -54.996 dBm	Auto Tu Center Fr 2.357000000 c Start Fr 2.310000000 c Stop Fr 2.404000000 c
Agilent Spectrum Analyz Val RF Center Freq 2.3 Center Freq 2.3 Ref Off O dB/div Ref Off 10.0 Ref Off 10.0 Ref Off -20.0 Ref Off -30.0 -40.0 -40.0 2 -50.0 2 Start 2.31000 GH #Res BW 1.0 MH	er - Swept SA 50 Q AC 57000000 GHz PNO: Fa IFGain:L Fset 7.01 dB 0.00 dBm	SENSE:PULSE ast →→→ Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10 Mkr3	s 402_AV 107:07:57 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P 2 2.390 000 GHz -54.996 dBm	Auto Tu Center Fr 2.357000000 C Start Fr 2.310000000 C Stop Fr 2.404000000 C CF St 9.400000 N
Agilent Spectrum Analyz Center Freq 2.3 Center Freq 2.3 Ref Off 0 dB/div Ref Off 10.0 Ref Off -20.0	er - Swept SA 50 AC 57000000 GHz PN0: Fa IFGain:L fset 7.01 dB 0.00 dBm 	SENSE:PULSE ast →→ Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10 Mkr3	s 402_AV 777777777777777777777777777777777777	Auto Tu Center Fi 2.357000000 C Start Fi 2.310000000 C Stop Fi 2.404000000 C GE St 9.400000 N Auto
Agilent Spectrum Analyz Yal RF Center Freq 2.3 O dB/div Ref Off 10 dB/div Ref Off 10 dB/div Ref Off 10 dB/div Ref Off 10.0	er - Swept SA 50 AC 57000000 GHz PN0: Fa IFGain:L fset 7.01 dB 0.00 dBm 	SENSE:PULSE ast →→ Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10 Mkr3	s 402_AV 777777777777777777777777777777777777	Auto Tu Center F 2.357000000 0 Start F 2.310000000 0 Stop F 2.404000000 0 CF St 9.400000 M Auto
Agilent Spectrum Analyz Val RF Center Freq 2.3 Center Freq 2.3 Ref Off 0 dB/div Ref Off 10.0 Ref Off 10.0 Ref Off -20.0 Ref Off -30.0	er - Swept SA 50 AC 57000000 GHz PN0: Fa IFGain:L fset 7.01 dB 0.00 dBm 	SENSE:PULSE ast →→ Trig: Free Run #Atten: 30 dB 	ALIGNAUTO Avg Type: Log-Pwr AvgJHold: 1/10 Mkr3	s 402_AV 777777777777777777777777777777777777	Auto Tu Center Fr 2.357000000 G Start Fr 2.310000000 G Stop Fr 2.404000000 G CF St 9.400000 M



⊠ RL RF 50 Ω Center Freq 2.48900		SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	07:13:30 PM Dec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
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10.0 0.00 -10.0					Center Fr 2.489000000 G
-20.0	2	المراجع	van de statementer de Landers fueren	3	Start Fr 2.478000000 G
-50.0					Stop Fr 2.50000000 G
Start 2.47800 GHz #Res BW 1.0 MHz	#VE	3W 3.0 MHz		Stop 2.50000 GHz 067 ms (8001 pts)	CF St 2.200000 M
2 N f 2	× 2.480 018 50 GHz 2.483 500 00 GHz 2.500 000 00 GHz	Y FU -3.887 dBm -43.926 dBm -44.580 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M Freq Offs 0
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9					
9 10 11					
10	Restrict-ban	d band-edge m	status		
10		d band-edge m	easurements_24		
Agilent Spectrum Analyzer - Swe	AC	SENSE:PULSE	-		Frequency
10 11 MSG MSG MSG MSG MSG MSG MSG MSG	AC	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:13:41 PMDec 21, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW	
Agilent Spectrum Analyzer - Swe X RL RF 50 Ω Center Freq 2.48900 Ref Offset 7.0	AC	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:13:41 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P 00 000 00 GHz	Auto Tu Center Fr
10 11 MSG MSG Agilent Spectrum Analyzer - Sweet MSG MSG Center Freq 2.48900 Center Freq 2.48900 Ref Offset 7.0 10 dB/div Ref 20.00 c Log 10.0 0.00 4	AC DOUDO GHZ PNO: Fast IFGain:Low D1 dB dBm	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	80_AV	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G
10 11 MSG Agilent Spectrum Analyzer - Swe X RL RF 50 Ω Center Freq 2.48900 10 dB/div Ref 20.00 c 10 dB/div Ref 20.00 c 10 0 10 0 -20 0 -30 0	AC	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	07:13:41 PMDec 21, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWW DET P P P P P 00 000 00 GHz	Auto Tu Center Fr 2.489000000 G Start Fr 2.478000000 G Stop Fr
Agilent Spectrum Analyzer - Sweet MsG Agilent Spectrum Analyzer - Sweet MsG Center Freq 2.48900 Center Freq 2.48900 Io dB/div Ref Offset 7.0 Io dB/div Ref 20.00 c Io div Io div Io div Io div Io div Io div Io div Io div Io div Io div Io div <thio div<="" th=""> <</thio>	AC DOUDO GHZ PNO: Fast IFGain:Low D1 dB dBm	SENSE:PULSE	easurements_24	80_AV	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr 2.50000000 G CF St
Agilent Spectrum Analyzer - Swe Msg Agilent Spectrum Analyzer - Swe Msg Center Freq 2.48900 Ref Offset 7.0 Log 10.0 -0.0 -10.0 -30.0 -40.0 -50.0 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 N F	AC DOUDO GHZ PNO: Fast IFGain:Low D1 dB dBm 2 2 2 2 4 4 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SENSE: PULSE	easurements_24	80_AV	Auto Tu Center Fr 2.48900000 G Start Fr 2.47800000 G Stop Fr 2.50000000 G CF St 2.20000 M
Agilent Spectrum Analyzer - Swe MsG Agilent Spectrum Analyzer - Swe MsG Center Freq 2.48900 Ref Offset 7.0 IO dB/div Ref 20.00 c Start 2.47800 GHz Res BW 1.0 MHz MKR MODE TRC SCL I IN f Z	AC DOUDO GHZ PRO: Fast IFGain:Low D1 dB dBm 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE: PULSE	easurements_24	80_AV	Auto Tur Center Fr 2.489000000 G Start Fr 2.478000000 G Stop Fr 2.500000000 G CF Sto 2.200000 M