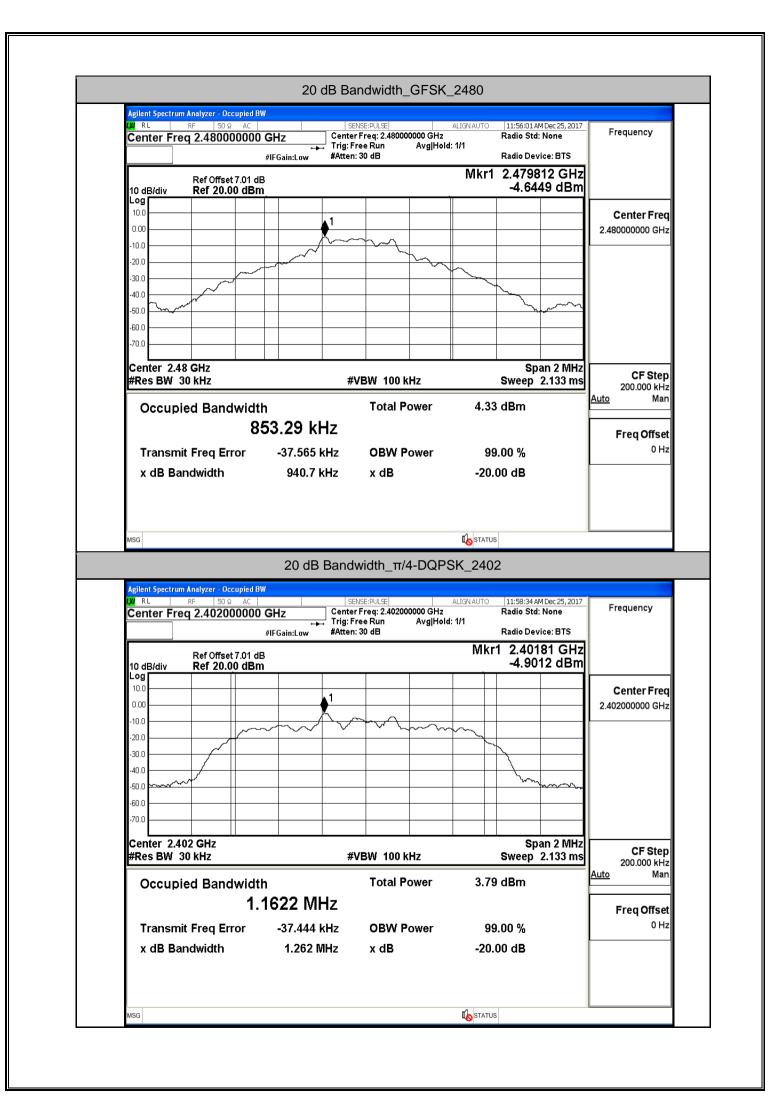
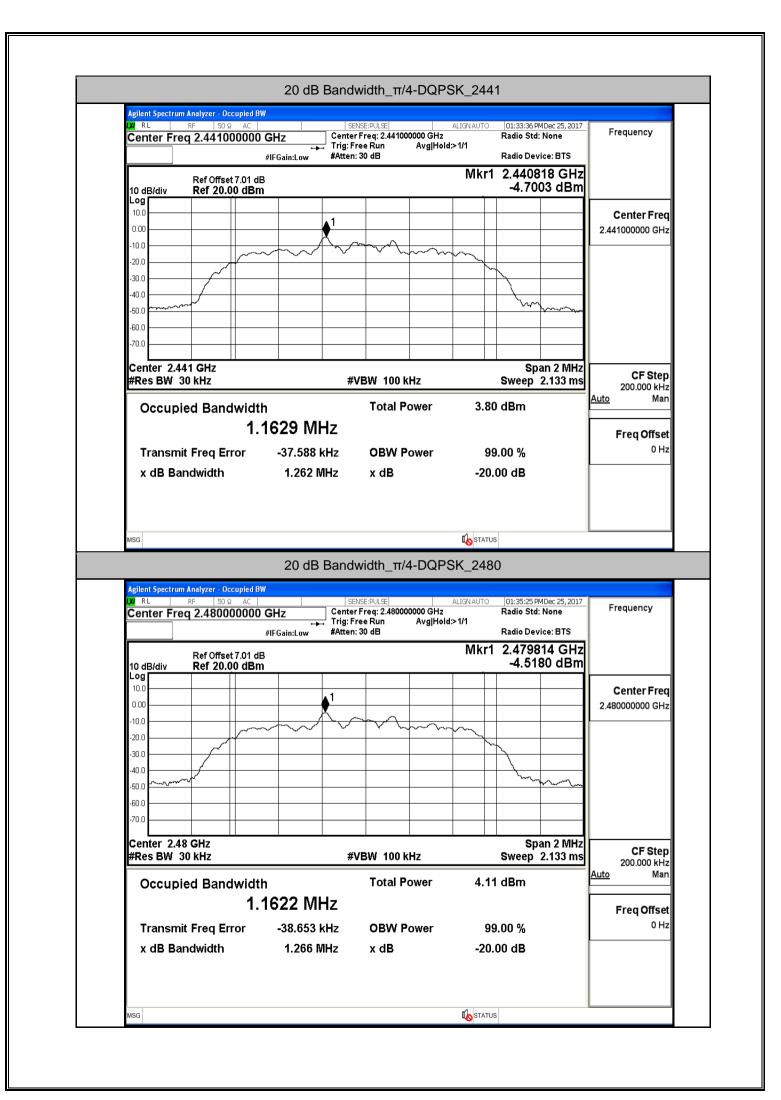
Appendix A RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement) Product Name: BLUETOOTH IN-EAR HEADPHONES Trade Mark: ONN Test Model: 17LY80 FCC ID: 2AKI8-ONNBTINEAR

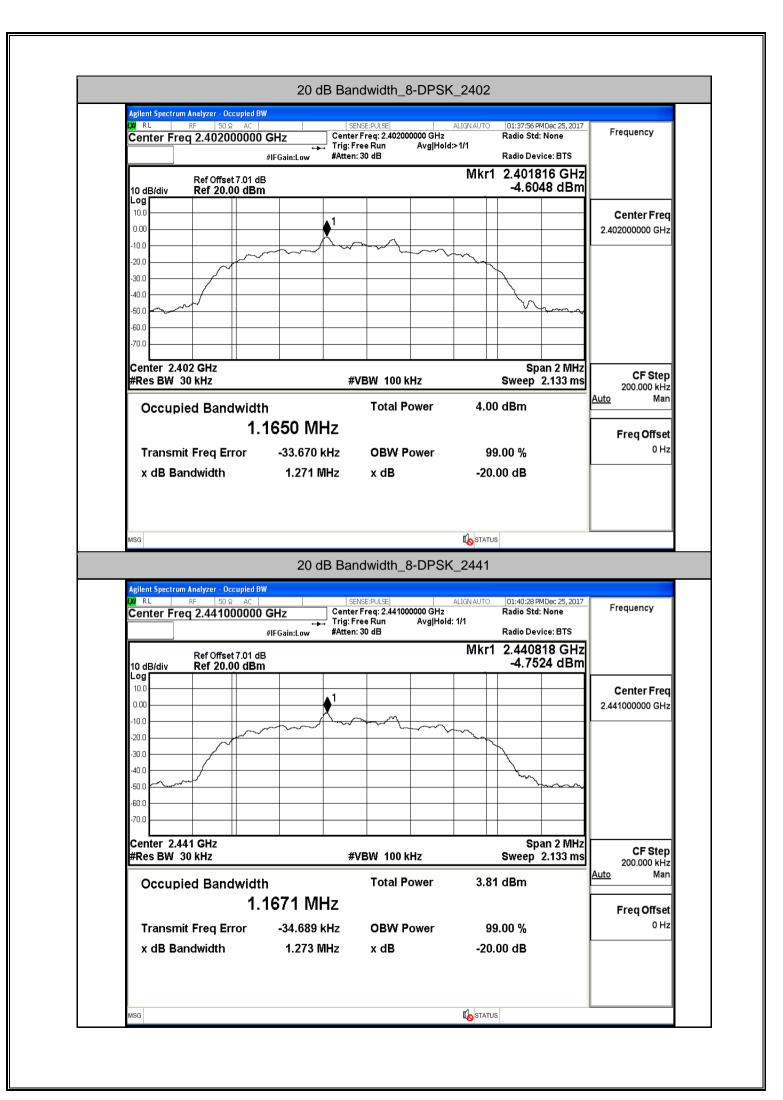
A.1 20 dB Bandwidth

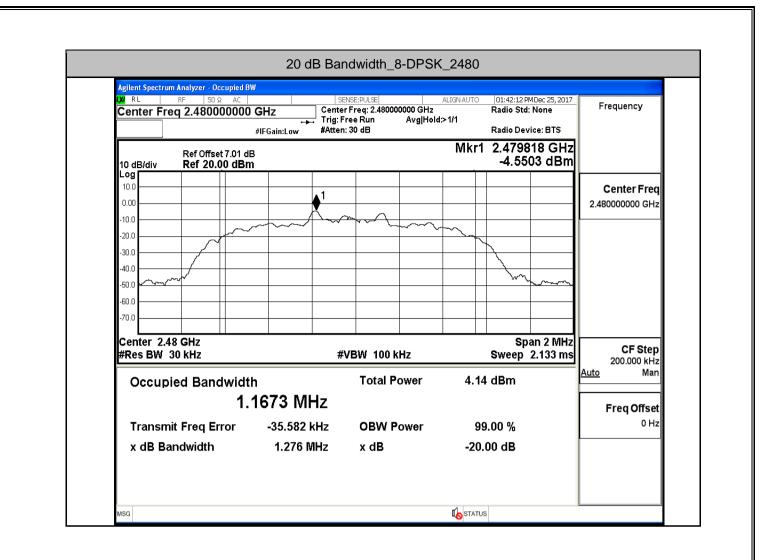
Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
	2402	0.9377		PASS
GFSK	2441	0.9329		PASS
	2480	0.9407		PASS
	2402	1.262		PASS
π/4-DQPSK	2441	1.262		PASS
	2480	1.266		PASS
	2402	1.271		PASS
8-DPSK	2441	1.273		PASS
	2480	1.276		PASS

LXI RL	<mark>m Analyzer - Οc</mark> RF 50 Ω	AC		SENSE:PULSE		ALIGN AUTO		Dec 25, 2017	Frequency
Center Fre	eq 2.40200		Tri	nter Freq: 2.4020 ig: Free Run	00000 GHz Avg Hole	d: 1/1	Radio Std:		Frequency
		#11	Gain:Low #A	tten: 30 dB		Miland	Radio Devi		
10 dB/div	Ref Offset Ref 20.0					IVIKI I		15 dBm	
Log 10.0									Center Free
0.00			↓ 1						2.402000000 GH:
-10.0				-					
-20.0					\sim	-			
-30.0	~~						n l		
-50.0	v www.						~~~~	_~~~	
-60.0									
-70.0									
Center 2.4							Spa	ın 2 MHz	CF Step
#Res BW	30 kHz			#VBW 100	KHZ		Sweep 2	2.133 ms	200.000 kHz
Occup	ied Band	width		Total P	ower	4.00) dBm		<u>Auto</u> Mar
		852	2.31 kHz						Freq Offse
Transm	nit Freq Eri	ror	-37.522 kHz	OBW F	ower	99	0.00 %		0 H2
	andwidth		937.7 kHz	x dB		-20.	00 dB		
MSG			20 dB	Bandwidth <u></u>	_GFSK	<mark>б</mark> ататия _2441	5		
Agilent Spectru	m Analyzer - Oc RF 50 Ω eq 2.4410(AC	Hz Ce	SENSE:PULSE	00000 GHz	_2441	11:54:17 AM Radio Std:		Frequency
Agilent Spectru	RF 50 Ω	AC 00000 G	Hz Ce +⊨→ Tri	SENSE:PULSE		_2441	11:54:17 AM	None	Frequency
Agilent Spectru VI RL Center Fro	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce +≠- Tri	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Frequency
Agilent Spectru	RF 50 Ω eq 2.4410(AC 00000 G #II :7.01 dB	Hz Ce +≠- Tri	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS	Frequency
Agilent Spectru XI RL Center Fro 10 dB/div Log	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce +≠- Tri	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru XI RL Center Fro 10 dB/div Log 10.0 0.00	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	
Agilent Spectru XI RL Center Fro 10 dB/div Log	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru XI RL Center Fro Center Fro 10 dB/div Log 10.0 .000	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru X RL Center Fro 10 dB/div Log 10.0 .00 .00 .10.0 .20.0 .30.0 .40.0	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru X RL Center Fro Conter Fro 10 dB/div Log 10.0 .0.0 .0.0 .20.0 .30.0 .50.0	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru X RL Center Fro Center Fro 0.00 0.00 -10.0 -20.0 -30.0 -40.0	RF 50 Ω eq 2.44100 Ref Offset	AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17 AM Radio Std: Radio Devi 2.4408	None ce: BTS 14 GHz	Center Free
Agilent Spectru XI RL Center Fro Center Fro Conter	Ref Offset Ref 2.4410(AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run	00000 GHz	_2441 ALIGNAUTO d: 1/1	11:54:17AM Radio Std: Radio Devi 2.4408 -4.783	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GH2
Agilent Spectru X RL Center Fra Conter	Ref Offset Ref 2.4410(AC 00000 G #II :7.01 dB	Hz Ce → Tr Gain:Low #A	SENSE:PULSE nter Freq: 2.4410 ig: Free Run		_2441 ALIGNAUTO d: 1/1	11:54:17AM Radio Std: Radio Devi 2.4408 -4.783	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GH2
Agilent Spectru XI RL Center Fro Center Fro Log 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.4 #Res BW	Ref Offset Ref Offset Ref 20.0	7.01 dB 0 dBm	Hz Ce → Tr Gain:Low #A	SENSE:PULSE Inter Freq: 2.44100 g: Free Run tten: 30 dB	000000 GHz Avg Hold	_2441 ALIGN AUTO d: 1/1 Mkr1	11:54:17AM Radio Std: Radio Devi 2.4408: -4.783	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GH2 2.45 CF Step 200.000 kH2
Agilent Spectru XI RL Center Fro Center Fro Log 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Center 2.4 #Res BW	Ref Offset Ref 2.4410(7.01 dB 0 dBm	Hz Ce Tri Gain:Low #A	SENSE:PULSE	000000 GHz Avg Hold	_2441 ALIGN AUTO d: 1/1 Mkr1	11:54:17AM Radio Std: Radio Devi 2.4408 -4.783	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GH: 2.441000000 GH: CF Ster 200.000 kH: Auto Mar
Agilent Spectru (X) RL Center Fro Center Fro Log 10.0 0.00 -10.0 -20.0 -30.0 -30.0 -40.0 -40.0 -50.0 -70.0 Center 2.4 #Res BW	Ref Offset Ref 2.4410(AC 00000 G #II	Hz Ce Tr Tr #A	SENSE:PULSE inter Freq: 2.44100 ig: Free Run tten: 30 dB	200000 GHz Avg Hold	_2441	III:54:17AM Radio Std: Radio Devi 2.4408 -4.783 -4.783 	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GHz 2.441000000 GHz CF Step 200.000 kHz Auto Mar Freq Offset
Agilent Spectru 20 RL Center Fro 10 dB/div Log 10.0 0.00 -0.0 -0	Ref Offset Ref 2.44100	AC 00000 G #II	Hz Ce Tri FGain:Low #A	SENSE:PULSE inter Freq: 2.44100 g: Free Run tten: 30 dB	200000 GHz Avg Hold	_2441 aLIGN AUTO d: 1/1 Mkr1 ALIGN AUTO d: 1/2 ALIGN AUTO	III:54:17AM Radio Std: Radio Devi 2.4408 -4.783 -4.783 -4.783 Sweep 2 Sweep 2 3 dBm	None ce: BTS 14 GHz 4 dBm	Center Free 2.441000000 GH; 2.441000000 GH; CF Step 200.000 kH; Auto Mar Freq Offse
Agilent Spectru 20 RL Center Fro 10 dB/div Log 10.0 0.00 -0.0 -0	Ref Offset Ref 2.4410(AC 00000 G #II	Hz Ce Tr Tr #A	SENSE:PULSE inter Freq: 2.44100 g: Free Run tten: 30 dB	200000 GHz Avg Hold	_2441 aLIGN AUTO d: 1/1 Mkr1 ALIGN AUTO d: 1/2 ALIGN AUTO	III:54:17AM Radio Std: Radio Devi 2.4408 -4.783 -4.783 	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GH: 2.441000000 GH: 2.44100000 GH: Auto Mar
Agilent Spectru X RL Center Fre 10 dB/div Log 10.0 .00 .00 .00 .00 .00 .00 .0	Ref Offset Ref 2.44100	AC 00000 G #II	Hz Ce Tri FGain:Low #A	SENSE:PULSE inter Freq: 2.44100 g: Free Run tten: 30 dB	200000 GHz Avg Hold	_2441 aLIGN AUTO d: 1/1 Mkr1 ALIGN AUTO d: 1/2 ALIGN AUTO	III:54:17AM Radio Std: Radio Devi 2.4408 -4.783 -4.783 -4.783 Sweep 2 Sweep 2 3 dBm	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GHz 2.441000000 GHz CF Step 200.000 kHz Auto Mar Freq Offset
Agilent Spectru 2 RL Center Fre 10 dB/div Log 10.0 .00 .00 .00 .00 .00 .00 .0	Ref Offset Ref 2.44100	AC 00000 G #II	Hz Ce Tri FGain:Low #A	SENSE:PULSE inter Freq: 2.44100 g: Free Run tten: 30 dB	200000 GHz Avg Hold	_2441 aLIGN AUTO d: 1/1 Mkr1 ALIGN AUTO d: 1/2 ALIGN AUTO	III:54:17AM Radio Std: Radio Devi 2.4408 -4.783 -4.783 Standard Spa Sweep 2 3 dBm 0.00 % 00 dB	None ce: BTS 14 GHz 4 dBm	Center Frec 2.441000000 GHz 2.441000000 GHz CF Step 200.000 kHz Auto Mar Freq Offset









A.2 Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
	2402	-3.561	30	PASS
GFSK	2441	-3.586	30	PASS
	2480	-3.327	30	PASS
	2402	-2.731	21	PASS
π/4-DQPSK	2441	-2.752	21	PASS
	2480	-2.521	21	PASS
	2402	-2.174	21	PASS
8-DPSK	2441	-2.292	21	PASS
	2480	-2.050	21	PASS

LXI RL	req 2.402000	AC		SENSE:PULSE	Avg Type: Lo	GNAUTO og-Pwr	11:52:19 AM [TRACE	123456	Frequency
10 dB/div	Ref Offset 7.01 Ref 20.00 di	PNO: IFGair I dB		: Free Run en: 30 dB	Avg Hold: 10/ Mkr		1 745 00	0 GHz dBm	Auto Tur
Log	Rei 20.00 di								Center Fre
10.0									2.402000000 GH
0.00				,1		_			Start Fre
-10.0									2.399500000 GH
-20.0									Stop Fre
-30.0									2.404500000 GH
-40.0									CF Ste 500.000 kH
-50.0									<u>Auto</u> Ma
-60.0									Freq Offse
-70.0									ОН
Center 2.4 #Res BW	402000 GHz 3.0 MHz		#VBW 8.0 I	MHz		veep 1.0	Span 5.()67 ms (8	000 MHz 001 pts)	
#Res BW						STATUS)67 ms (8	000 MHz 001 pts)	
#Res BW MSG Agilent Spectr	3.0 MHz	ot SA AC DOOO GHZ PNO:	lucted Pea	ak Output sense:pulse : Free Run	୩ Power_GF	STATUS SK_24	067 ms (8 441 11:54:50 AMI TRACE TYPE	001 pts)	Frequency
#Res BW MSG Agilent Spectri W RL Center F 10 dB/div	3.0 MHz um Analyzer - Swey RF 50 Ω	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE	001 pts)	
#Res BW MSG Agilent Spectr Agilent Spectr	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre
#Res BW MSG Agilent Spectri (M RL Center F 10 dB/div	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea Fast ↔ Trig	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun
#Res BW MSG Agilent Spectr M RL Center F 10 dB/div Log	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre
#Res BW MSG Agilent Spectr X RL Center F 10 dB/div 10.0	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre
#Res BW MSG Agilent Spectr X RL Center F 10 dB/div Log 10.0 0.00	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre
Agilent Spectron Agilent Spectro Agilent Spectron Agilent Spectro Agilent Spectro <td>3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01</td> <td>ot SA AC DOOO GHz PNO: IFGain</td> <td>lucted Pea</td> <td>ak Output sense:pulse : Free Run</td> <td>E Power_GF</td> <td>STATUS SK_24 SN AUTO og-Pwr 10</td> <td>067 ms (8 441 11:54:50 AMI TRACE TYPE DET</td> <td>001 pts)</td> <td>Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH</td>	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH
#Res BW MSG Agilent Spectron QX RL Center F 10 dB/div 10.0 .000 .10.0 .20.0	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.441000000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH CF Stej 500.000 kH
#Res BW MSG Agilent Spectric Spectr	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH CF Ste 500.000 kH
Agilent Spectr MSG Image: Context Spectr Image: Context Spectr Image: Cont	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.44100000 GH Start Fre 2.438500000 GH Stop Fre 2.443500000 GH CF Ste 500.000 kH
Agilent Spectrix X RL Center F 10 dB/div - Conter F - 10.0 - -0.00 - -10.0 - -20.0 - -30.0 - -40.0 -	3.0 MHz um Analyzer - Swer ℝF 50 Ω req 2.441000 Ref Offset 7.01	ot SA AC DOOO GHz PNO: IFGain	lucted Pea	ak Output sense:pulse : Free Run	E Power_GF	STATUS SK_24 SN AUTO og-Pwr 10	067 ms (8 441 11:54:50 AMI TRACE TYPE DET	001 pts)	Auto Tun Center Fre 2.441000000 GH 2.438500000 GH 2.438500000 GH 2.443500000 GH CF Ste 500.000 kH Auto Ma

		um Analyze										
KN R Cer		^{RF} req 2.4	50 ຊ 80000	000 GI	Ηz	7	E:PULSE	Avg Type	ALIGN AUTO	11:56:34 AM E TRACE	123456	Frequency
					NO: Fast ↔ Gain:Low	#Atten: 3		Avg Hold:	10/10	DET	MWWWWW PPPPPP	
	B/div		set 7.01) .00 dB					М	kr1 2.47	9 811 25 -3.32	0 GHz 7 dBm	Auto Tun
Log												Center Fre
10.0												2.480000000 GH
0.00						_ 1.						
						V	<u> </u>	+				Start Free 2.477500000 GH
-10.0												2.477500000 GH
-20.0	<u> </u>											Stop Free
20.0												2.482500000 GH
-30.0												
-40.0	<u> </u>											CF Stej 500.000 kH
-50.0												<u>Auto</u> Ma
												Freq Offse
-60.0												0 H
-70.0												
Cen	ter 2.4	480000	GHz							Span 5.0	00 MHz	
#Re	s BW	3.0 MHz	2		#VBV	V 8.0 MHz			O	AA7	AA4 4 1	
								•	-	067 ms (8	JU1 pts)	
MSG				_							JU1 pts)	
MSG				Condu				wer_π/4			JUT pts)	
Agiler		um Analyze	er - Swept	SA		eak Out	put Po	wer_π/4	DQPS	(_2402		
<mark>Agiler</mark> L XI R	L		e <mark>r - Swept</mark> 50 Ω	SA AC 000 Gł	ucted P		put Po E:PULSE	wer_π/4 _{Avg Type}		(_2402 11:59:07 AME TRACE	ec 25, 2017 1 2 3 4 5 6	Frequency
<mark>Agiler</mark> L XI R	L	r um Analyze RF	e <mark>r - Swept</mark> 50 Ω	SA AC 000 GI P	ucted P		put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM D TRACE TYPE DET	ec 25, 2017 1 2 3 4 5 6 M WWWWW P P P P P P	
Agiler (X/ R Cer	ter F	rum Analyze RF req 2.4	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:		(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ec 25, 2017 1 2 3 4 5 6 M WWWWW P P P P P P	Auto Tun
Agiler (X/ R Cer	L	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free
Agiler (X/ R Cer	ter F	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun
Agiler (X) R Cer 10 d Log	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free 2.402000000 GH
Agiler (X) R Cer 10.0 10.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Fre 2.40200000 GH Start Free
Agiler (X) R Cer 10 d Log	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free 2.402000000 GH
Agiler (X) R Cer 10.0 10.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Fre 2.40200000 GH Start Fre 2.399500000 GH
Agiler (X R Cer 10.0 0.00 -10.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Fre 2.40200000 GH Start Free
Agiler (x) R Cer 10.0 10.0 0.00	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Fre 2.40200000 GH Start Fre 2.39950000 GH Stop Fre 2.404500000 GH
Agiler (X R Cer 10.0 0.00 -10.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Fre 2.40200000 GH Start Fre 2.399500000 GH Stop Fre 2.404500000 GH
Agiler (X R Cer 10.0 10.0 -10.0 -20.0 -30.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free 2.40200000 GH Start Free 2.399500000 GH Stop Free
Agiler (X) R Cer 10.0 10.0 -10.0 -20.0 -30.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free 2.402000000 GH Start Free 2.399500000 GH Stop Free 2.404500000 GH CF Step 500.000 kH Auto
Agiler (X R Cer 10.0 10.0 -10.0 -20.0 -30.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tum Center Free 2.402000000 GH Start Free 2.399500000 GH Stop Free 2.404500000 GH CF Step 500.000 kH Auto Main Freq Offset
Agiler (X) R Cer 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tun Center Free 2.402000000 GH Start Free 2.399500000 GH Stop Free 2.404500000 GH CF Step 500.000 kH Auto
Agiler (X) R Cer 10.0 10.0 -10.0 -20.0 -30.0 -40.0	B/div	rum Analyze RF req 2.4 Ref Offs	er - Swept 50 Ω 02000 set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	Wer_π/4 Avg Type Avg Hold:	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50	ес 25, 2017 1 2 3 4 5 6 Мумилин Р Р Р Р Р Р О СН7	Auto Tum Center Free 2.402000000 GH Start Free 2.399500000 GH Stop Free 2.404500000 GH CF Step 500.000 kH Auto Main Freq Offset
Agiler (X) R Cer 10.0 10.0 -10.0 -20.0 -30.0 -30.0 -50.0 -50.0 -70.0		rum Analyze RF req 2.4 Ref Offs	set 7.01	SA AC 000 GH P IF	ucted P Iz N0: Fast ↔	eak Out	put Po EPULSE e Run	wer_m/4	LIGN AUTO - DQPSH ALIGN AUTO E: Log-Pwr 10/10	(_2402 11:59:07 AM L TRACE TYPE DET 1 732 50 -2.73 -2.73 -2.73 -2.73 -2.73	ec 25, 2017 12 3 4 5 6 MWWWWW P P P P P P 0 GHz 1 dBm 	Auto Tum Center Free 2.402000000 GH Start Free 2.399500000 GH Stop Free 2.404500000 GH CF Step 500.000 kH Auto Main Freq Offse 0 H

LXI RL		RF	zer - Swe 50 Ω	AC		SENS	E:PULSE		ALIGN AUTO e: Log-Pwr		Dec 25, 2017	Frequency
Cent	erF	req Z.	44100	0000 G	PHZ PNO: Fast ↔ IFGain:Low	Trig: Fre #Atten: 3		Avg Hold:		TYP		
10 dB	/div		ffset 7.0 2 0.00 d	1 dB				М	lkr1 2.44	0 731 2 -2.7	50 GHz 52 dBm	Auto Tun
												Center Fre
10.0 -												2.441000000 GH
0.00 -						↓ ¹						Start Free
-10.0 =												2.438500000 GH
-20.0												Oton Fra
												Stop Free 2.443500000 GH
-30.0 -												05.04
-40.0 -												CF Step 500.000 kH Auto Mar
-50.0 -												<u>Auto</u> Mai
-60.0 -		_										Freq Offse
-70.0 -												0Н
		41000								Span 5.	000 MHz	
4 m		O O B41										
	BW	3.0 MH	lz		#VBV	V 8.0 MHz			Sweep 1.	067 ms (3001 pts)	
#Res	BW	3.0 1916	łz	Cond						067 ms (3001 pts)	
MSG Agilent IXI R L	Spectr	<mark>um Analy</mark> RF	<mark>zer - Swe</mark> 50 Ω	pt SA	lucted P	eak Out	put Po	wer_π/4 Avg Type	-DQPSK ALIGNAUTO e: Log-Pwr	067 ms (; (_2480 01:35:58 PM TRAC	Dec 25, 2017	Frequency
MSG Agilent IXI R L	Spectr	<mark>um Analy</mark> RF	<mark>zer - Swe</mark> 50 Ω	pt SA AC 0000 C	lucted P	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms ((_2480 01:35:58 PM TRAC TYP DE	Dec 25, 2017 1 2 3 4 5 6 E M WWWWW T P P P P P	Frequency
MSG Agilent IXI R L	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	-DQPSK ALIGNAUTO e: Log-Pwr	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017 1 2 3 4 5 6 E M WWWWW T P P P P P	Frequency
Agilent (X) RL Cent 10 dB/ L ^{og}	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Freq
Agilent XI RL Cent	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency
Agilent (X) RL Cent 10 dB/ L ^{og}	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Freq
Agilent XI RL Cent	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Auto Tune
Agilent (X RL Cent 10.0 - 10.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Free 2.480000000 GH Start Free 2.477500000 GH
Agilent X RL Cent 10.0 - .10.0 - .20.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Auto Tune Center Free 2.48000000 GH
Agilent XI RL Cent 10.0 - 0.00 - -10.0 =	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune 2.48000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH
Agilent X RL Cent 10.0 - .10.0 - .20.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Freq 2.48000000 GH Start Freq 2.477500000 GH Stop Freq 2.482500000 GH CF Step 500.000 kH
Agilent Agilent (X RL Cent 10.0 - .10.0 - .20.0 - .30.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Free 2.48000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH CF Step
Agilent Agilent Agilent Cent 10.0 - 10.0 - -10.0 = -20.0 - -30.0 - -40.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Free 2.480000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH CF Step 500.000 kH Auto Mai
Agilent Agilent Agilent Cent 10 dB, Con 10.0 = -20.0 = -20.0 = -30.0 = -30.0 = -50.0 = -60.0 =	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Frequency 2.480000000 GH Start Frequency 2.477500000 GH Stop Frequency 2.482500000 GH CF Step 500.000 kH Auto
Agilent Agilent Cent 10 dB, Log 10.0 - -0.0 - -20.0 - -30.0 - -30.0 - -30.0 - -50.0 -	Spectr	um Analy RF req 2.4 Ref Ot	<mark>zer - Swe</mark> 50 Ω 48000	pt SA AC 0000 C	lucted P Jucted P BHz PN0: Fast →	eak Out	put Po E:PULSE e Run	wer_π/4 Avg Type Avg Hold:	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (2480 01:35:58 PM TRAC TYP DE 9 796 2	Dec 25, 2017	Frequency Auto Tune Center Free 2.480000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH CF Step 500.000 kH Auto Mai
Agilent Agilent Cent 10 dB Con 10.0 = .10.0 = .10.0 = .20.0 = .30.0 = .30.0 = .40.0 = .50.0 = .60.0 = .60.0 = .70.0 = .70.	Spectr	um Analy RF req 2.4 Ref Ot	2er - Swe 50 Ω 48000 ffset 7.0 20.00 d	pt SA AC 0000 C	Jucted P SHz PN0: Fast → IFGain:Low	eak Out	put Po	wer_m/4	ALIGNAUTO 2: Log-Pwr 2: 10/10	067 ms (: (_2480 01:35:58 РМ ТКАС 9 796 2 -2.52 	Dec 25, 2017 1 2 3 4 5 6 P P P P P P 50 GHz 21 dBm	Frequency Auto Tune Center Free 2.480000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH CF Step 500.000 kH Auto Mar Freq Offse 0 H

gilent Spectrun	<mark>n Analyzer - Swa</mark> RF 50 Ω			OTNO	E:PULSE		ALIGN AUTO	01-00-00 PM	D 05 0017	Ir
	eq 2.40200	0000 GH	lz NO: Fast ↔ Gain:Low]	Run		: Log-Pwr	01:38:30 PM TRACE TYPE DET	123456 MWWWW PPPPPP	Frequency
l0 dB/div	Ref Offset 7.0 Ref 20.00 (01 dB	Sam.Luw	#ritten: or	, ub	М	kr1 2.40	2 012 50		Auto Tun
- og 10.0										Center Fre 2.402000000 GH
0.00					1					
10.0		~ 				******				Start Free 2.399500000 GH
20.0										Stop Free 2.404500000 GH
-30.0										
50.0										CF Ste 500.000 kH <u>Auto</u> Ma
-60.0										Freq Offse
-70.0										
Center 2.40 #Res BW 3				(8.0 MHz			Sweep 1.	067 ms (8	000 MHz :001 pts)	
#Res BW 3 ISG Igilent Spectrum	.0 MHz n Analyzer - Swe	ept SA AC	ducted	Peak O	utput P	Power_8	COPSK_ ALIGN AUTO	067 ms (8 2441 01:41:01 PM TRACE	Dec 25, 2017	
#Res BW 3 ISG Iglient Spectrum R RL Center Fre	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted	Peak O	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	COPSK_ ALIGN AUTO	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune
#Res BW 3 ISG ISG ISG ISG ISG ISG ISG ISG	.0 MHz n Analyzer - Swa RF 50 Ջ eq 2.44100	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	Dec 25,2017 1 2 3 4 5 6 MWWWWW P P P P P P	Frequency Auto Tune Center Free
#Res BW 3 ISG ISG ISG ISG ISG ISG ISG ISG	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Free
#Res BW 3 ISG ISG ISG ISG ISG ISG ISG ISG	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune
#Res BW 3 Isg Isg <td>.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0</td> <td>ept SA AC 00000 GH IF4 IF4</td> <td>ducted </td> <td>Peak O SENSE Trig: Free #Atten: 30</td> <td>utput F ::PULSE] • Run</td> <td>POWEr_8 Avg Type Avg Hold:</td> <td>LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10</td> <td>067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3</td> <td>001 pts)</td> <td>Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.43850000 GH</td>	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.43850000 GH
#Res BW 3 Isg Isg <td>.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0</td> <td>ept SA AC 00000 GH IF4 IF4</td> <td>ducted </td> <td>Peak O SENSE Trig: Free #Atten: 30</td> <td>utput F ::PULSE] • Run</td> <td>POWEr_8 Avg Type Avg Hold:</td> <td>LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10</td> <td>067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3</td> <td>001 pts)</td> <td>Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.438500000 GH Stop Free 2.443500000 GH</td>	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.438500000 GH Stop Free 2.443500000 GH
#Res BW 3 Isg Isg <td>.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0</td> <td>ept SA AC 00000 GH IF4 IF4</td> <td>ducted </td> <td>Peak O SENSE Trig: Free #Atten: 30</td> <td>utput F ::PULSE] • Run</td> <td>POWEr_8 Avg Type Avg Hold:</td> <td>LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10</td> <td>067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3</td> <td>001 pts)</td> <td>Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.43850000 GH</td>	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Free 2.44100000 GH Start Free 2.43850000 GH
#Res BW 3 Isg Isg <td>.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0</td> <td>ept SA AC 00000 GH IF4 IF4</td> <td>ducted </td> <td>Peak O SENSE Trig: Free #Atten: 30</td> <td>utput F ::PULSE] • Run</td> <td>POWEr_8 Avg Type Avg Hold:</td> <td>LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10</td> <td>067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3</td> <td>001 pts)</td> <td>Frequency Auto Tune Center Frequency 2.441000000 GH Start Frequency 2.438500000 GH Stop Frequency 2.443500000 GH CF Step 500.000 kH Auto</td>	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH IF4 IF4	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Frequency 2.441000000 GH Start Frequency 2.438500000 GH Stop Frequency 2.443500000 GH CF Step 500.000 kH Auto
#Res BW 3 Isg Isg <td>.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0</td> <td>ept SA AC 00000 GH P IF0 01 dB</td> <td>ducted </td> <td>Peak O SENSE Trig: Free #Atten: 30</td> <td>utput F ::PULSE] • Run</td> <td>POWEr_8 Avg Type Avg Hold:</td> <td>LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10</td> <td>067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3</td> <td>001 pts)</td> <td>Frequency Auto Tune Center Free 2.441000000 GH Start Free 2.438500000 GH Stop Free 2.443500000 GH CF Step 500.000 kH</td>	.0 MHz m Analyzer - Swa RF 50 Ω 20 2.44100 Ref Offset 7.0	ept SA AC 00000 GH P IF0 01 dB	ducted 	Peak O SENSE Trig: Free #Atten: 30	utput F ::PULSE] • Run	POWEr_8 Avg Type Avg Hold:	LIGN AUTO 21 LIGN AUTO 21 LIGN PWF 21 J0/10	067 ms (8 2441 01:41:01 PM TRACE TYPE DET 0 839 3	001 pts)	Frequency Auto Tune Center Free 2.441000000 GH Start Free 2.438500000 GH Stop Free 2.443500000 GH CF Step 500.000 kH

Center I	RF 50Ω AC Freq 2.480000000 (ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	01:42:44 PMDec 25, 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.	50 45	Mkr1 2.47	79 791 250 GHz -2.050 dBm	Auto Tui
10.0						Center Fr 2.480000000 G
0.00		1	······			Start Fre
-10.0						2.477500000 G
-20.0						Stop Fr 2.482500000 G
-40.0						CF Ste 500.000 kl
-50.0						Auto Mi
-60.0						Freq Offs 01
-70.0						

A.3 Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
	2402	0.977	0.9377	PASS
GFSK	2441	0.956	0.9329	PASS
	2480	0.788	0.63	PASS
	2402	1.284	0.84	PASS
π/4-DQPSK	2441	1.294	0.84	PASS
	2480	1.022	0.84	PASS
	2402	1.002	0.85	PASS
8-DPSK	2441	1.202	0.85	PASS
	2480	1.262	0.85	PASS

Center Fred	RF 50 Ω 2.40250	0000 GH	IO: Wide +	SENSE	Run	Avg Typ Avg Hold	ALIGNAUTO e: Log-Pwr l: 10/10	TRA T	PM Dec 25, 2017 ACE 1 2 3 4 5 6 YPE MWWWWW DET P P P P P P	Frequency
	ef Offset 7.0 ef 20.00 d	1 dB	Gain:Low	#Atten: 30	dB		ΔN	1kr1 970	6.50 kHz).458 dB	Auto Tu
10.0							<u></u> 1∆2			Center Fr 2.402500000 G
-10.0	-may arm	~% 2 ~~~	W WWWW	munu		mm		Mr.	MA. 00	
-30.0				······································	rų ·				Mar Jon	Start Fre 2.401500000 GF
-50.0 -60.0 -70.0										Stop Fr 2.403500000 G
Start 2.40150 #Res BW 10			#VBW	/ 300 kHz			Sweep 1	Stop 2.40 1.067 ms	3500 GHz (8001 pts)	CF Ste 200.000 ki
	f (Δ)	× 976.5 2.401 963 25	0 kHz (Δ)	Y -0.458 c -3.798 dB	FUNC	CTION FU	INCTION WIDTH	FUNCT	ION VALUE	<u>Auto</u> Ma
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Agilent Spectrum / MSG XI RL Center Freq	RF 50 Ω 1 2.44150 ef Offset 7.0	pt SA AC 0000 GH PN IFG 1 dB	Z IO: Wide ↔ Sain:Low	SENSE	PULSE	#Avg Typ	CFSK_2 ALIGN AUTO De: RMS 10/10	2441 01:47:521 TR T ΔMkr1 -C	PMDec 25, 2017 ACE 11 2 3 4 5 6 PPE IM YMWWW Det IP P P P P P 956 kHz 0.464 dB	Auto Tur
Agilent Spectrum / X/ RL Center Freq Log 10.0 0.00	RF 50 Ω 1 2.44150 ef Offset 7.0 ef 20.00 d	AC AC PN IFG 1 dB BM	IZ IO: Wide → Sain:Low	SENSE	PULSE Run dB	#Avg Typ Avg Hold	CFSK_2 ALIGN AUTO De: RMS 10/10	2441 01:47:521 πR/ Τ ΔMkr1	PMDec 25, 2017 ACE 11 2 3 4 5 6 PPE IM YMWWW Det IP P P P P P 956 kHz 0.464 dB	Auto Tur Center Fre
Agilent Spectrum / X RL Center Freq 10 dB/div R 10 dB/div R 10.0 .0.0 .20.0	RF 50 Ω 1 2.44150 ef Offset 7.0 ef 20.00 d	AC AC PN IFG 1 dB BM	IZ IO: Wide → Sain:Low	SENSE → Trig: Free #Atten: 30	PULSE Run dB	#Avg Typ Avg Hold	CFSK_2 ALIGN AUTO De: RMS 10/10	2441 01:47:521 TR T ΔMkr1 -C	PMDec 25, 2017 ACE [1 2 3 4 5 6 PPE M WWWW DET P P P P P 956 kHz 0.464 dB	Auto Tur Center Fre 2.441500000 GF Start Fre 2.440500000 GF
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Agilent Spectrum / MSG Agilent Spectrum / Center Freq 10.0 0.00 -10.0 -20.0 -20.0 -40.0 -30.0 -30.0 -30.0 -40.0 -50.0 -50.0 -70.0 Start 2.4405/ #Res BW 10 MKR MODE TRC S 2 F 3 4 5 5	RF 50 Ω 2.44150 ef Offset 7.0 ef 20.00 d	pt SA AC 0000 GH PN IFG 1 dB IBM 	IZ 0: Wide → Sain:Low	SENSE Trig: Free #Atten: 30	PULSE Run dB	#Avg Typ Avg Hold	CFSK_2 ALIGN AUTO De: RMS : 10/10 1Δ2 1Δ2 Sweep 1	2441	PMDec 25, 2017 ACE [1 2 3 4 5 6 P P P P P P 956 kHz 0.464 dB	Auto Tur Center Fre 2.441500000 GF 2.440500000 GF 2.440500000 GF 2.442500000 GF 2.442500000 GF CF Ste 200.000 kf
Agilent Spectrum / MSG Agilent Spectrum / Center Freq Conter Freq 10 dB/div R 10 dB/div R 10 dB/div R 10.0 -20.0 -40.0 -50.0 -60.0 -70.0 Start 2.44050 #Res BW 10 MKR MODE TRC S 1 A2 3 4	RF 50 Ω 2.44150 ef Offset 7.0 ef 20.00 d	pt SA AC PN IFG 1 dB Bm 	IZ 0: Wide → Sain:Low	SENSE → Trig: Free #Atten: 30	PULSE Run dB	#Avg Typ Avg Hold	CFSK_2 ALIGN AUTO De: RMS : 10/10 1Δ2 1Δ2 Sweep 1	2441	PMDec 25, 2017 ACE [1 2 3 4 5 6 P P P P P P 956 kHz 0.464 dB	Auto Tur Center Fre 2.441500000 Gi Start Fre 2.440500000 Gi Stop Fre 2.442500000 Gi CF Ste 200.000 ki Auto Mi
Agilent Spectrum / MSG Agilent Spectrum / Center Freq Conter Freq 10.0 .00 .10.0 .20.0 .40.0 .30.0 .40.0 .50.0 .60.0 .70.0 Start 2.44050 #Res BW 100 MKR MODE TRC 5 1 A2 3	RF 50 Ω 2.44150 ef Offset 7.0 ef 20.00 d	pt SA AC PN IFG 1 dB Bm 	IZ 0: Wide → Sain:Low	SENSE → Trig: Free #Atten: 30	PULSE Run dB	#Avg Typ Avg Hold	CFSK_2 ALIGN AUTO De: RMS : 10/10 1Δ2 1Δ2 Sweep 1	2441	PMDec 25, 2017 ACE [1 2 3 4 5 6 P P P P P P 956 kHz 0.464 dB	Auto Tur Center Fre 2.441500000 Gi Start Fre 2.440500000 Gi Stop Fre 2.442500000 Gi CF Ste 200.000 ki Auto Mi

	01:48:10 PM Dec 25, 2017	ALIGN AUTO	SENSE:PULSE		AC	n Analyzer - Swe RF 50 Ω	gilent Spectr // RL
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Auto Tur	TYPE MWWWWW DET PPPPP		#Atten: 30 dB	NO: Wide ↔ Gain:Low			
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CF Ste	top 2.480500 GHz		AA 1.11-				Start 2.47
200.000 kH <u>Auto</u> Mai	000 ms (1001 pts)	•		#VBW			#Res BW
	FUNCTION VALUE	N FUNCTION WIDTH	Y FU 0.311 dB	38 kHz (Δ)	× 78	f (Δ)	
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Frequency	01:51:39 PMDec 25, 2017 TRACE 1 2 3 4 5 6	_π/4-DQPSK ALIGNAUTO Avg Type: RMS	SENSE:PULSE		ept SA AC	n Analyzer - Swe RF 50 Ω 2 9 2.40250	SG gilent Spectr (RL
Frequency	01:51:39 PM Dec 25, 2017	_π/4-DQPSK			ept SA AC 100000 GH PN	RF 50 Ω	SG gilent Spectr (RL
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Auto Tun Center Fre 2.402500000 GH Start Fre 2.401500000 GH Stop Fre 2.403500000 GH CF Stej 200.000 kH	01:51:39 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWH MWHAT TYPE MWHAT MHZ -0.650 dB 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2	_π/4-DQPSK	SENSE:PULSE Trig: Free Run #Atten: 30 dB	Hz No: Wide →→ Gain:Low	AC PN AC PN IFG PN IFG PN	Ref Offset 7.0 Ref Offset 7.0 Ref 20.00 0 Control 10 Control 10 Co	11 sG sG RL 2 cnter Fr 10 dB/div 09 10.0 0.00
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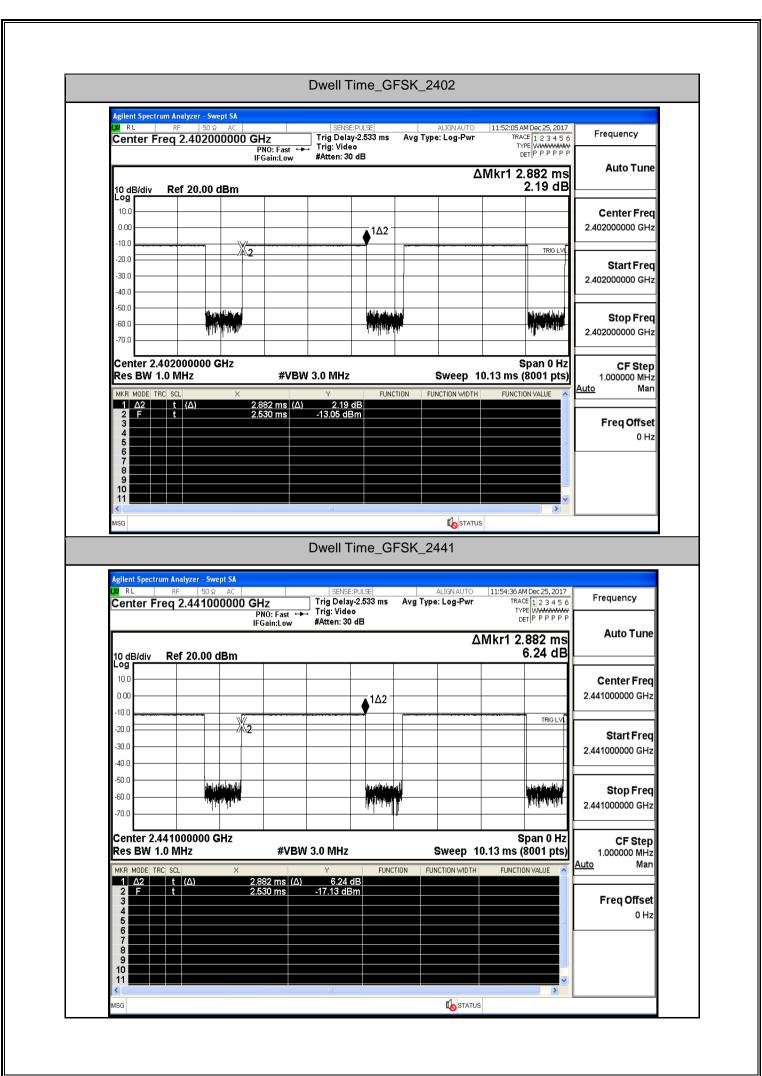
LXI RL	n Analyzer - Swept SA RF 50 Q AC eq 2.441500000 GH	SENSE:P	JLSE #Avg Typ		3:16 PM Dec 25, 2017 TRACE 1 2 3 4 5 6	Frequency
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Agilent Spectrum X RL Center Fre 10 dB/div Log 10.0 .000 .10.0 .20.0 .30.0 .40.0 .60.0 .60.0 .60.0 .60.0 .70.0 Start 2.4785 #Res BW 10 MKR MODE TRC 1 A2 5	n Analyzer - Swept SA RF 50 & AC eq 2.479500000 GH PN IFG Ref Offset 7.01 dB Ref 20.00 dBm 	Z O: Wide ↔ Trig: Free R #Atten: 30 d #Atten: 30 d 2 2 2 4 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4	JUSE / / / / / / / / / / / / / / / / / /	DQPSK_24	3:39 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE IMWWWW DET P P P P P P 1.022 MHz 1.794 dB 2.000 MHz 2.000 MHz 2.480500 GHz ms (1001 pts)	Auto Tur Center Fre 2.479500000 GF Start Fre 2.478500000 GF 2.480500000 GF 2.480500000 GF CF Ste 200.000 kF
Agilent Spectrum X RL Center Fre 10 dB/div Log 10.0 -0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -60.0 -70.0 Start 2.4783 #Res BW 11 MKR MODE TRC 1 A2 3 4	n Analyzer - Swept SA RF 50 Q AC eq 2.479500000 GH PN IFG Ref Offset 7.01 dB Ref 20.00 dBm 	Z O: Wide ↔ Trig: Free R #Atten: 30 d #Atten: 30 d 2 2 2 4 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4	JUSE / / / / / / / / / / / / / / / / / /	DQPSK_24	3:39 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE IMWWWW DET P P P P P P 1.022 MHz 1.794 dB 2.000 MHz 2.000 MHz 2.480500 GHz ms (1001 pts)	Auto Tur Center Fre 2.479500000 GH 2.478500000 GH 2.478500000 GH 2.480500000 GH 2.480500000 GH CF Ste 200.000 kH Auto Ma

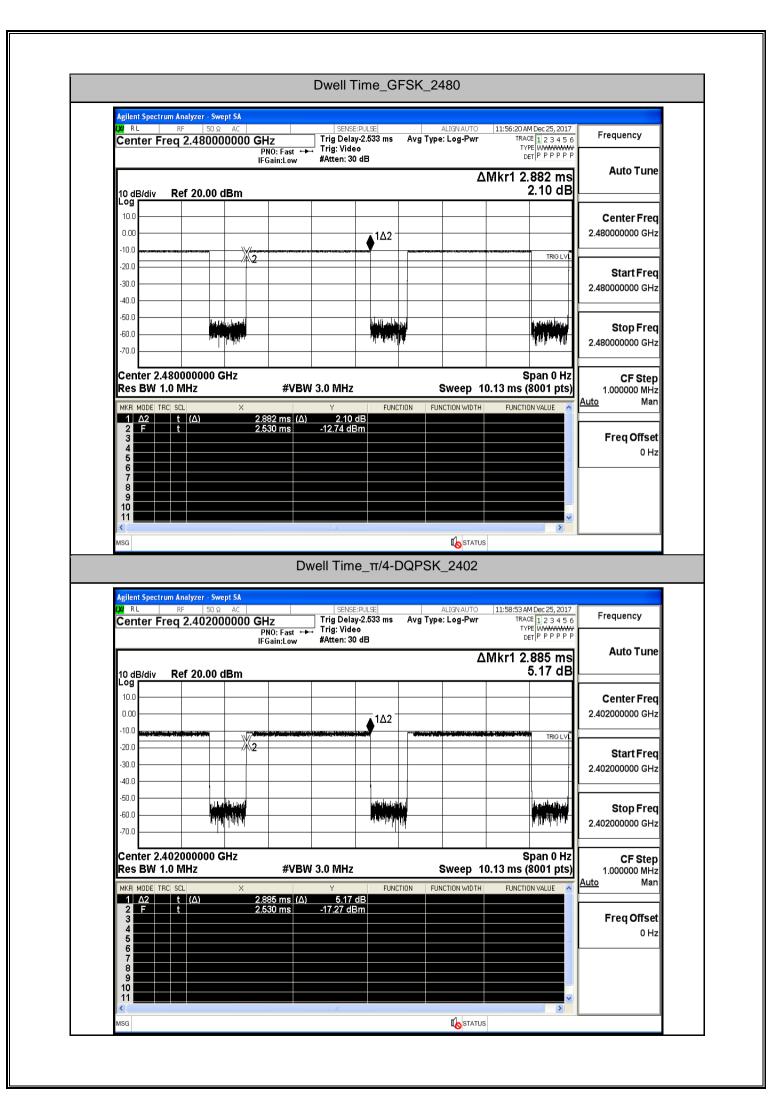
5 6 Frequency	01:58:01 PM Dec 25, 2017 TRACE 1 2 3 4 5 6	ALIGN AUTO	SENSE:PULSE		AC	m Analyzer - Swe RF 50 Ω eq 2.40250	XI RL
z Auto Tur	TYPE MWWWW DET P P P P P P kr1 1.002 MHz 0.028 dB	/g Hold: 10/10 ΔΜΙ	Frig: Free Run Atten: 30 dB	IO: Wide ↔ Gain:Low	01 dB	Ref Offset 7.0	
Center Fre					abm	Ref 20.00 c	10 dB/div Log 10.0
2.402500000 GH	Amonto and	1∆2 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	man	~~~~~		-10.0
Start Fre						·	-20.0
2.401500000 GH							-30.0
Stop Fre							-50.0
2.403500000 GH							-70.0
	op 2.403500 GHz 000 ms (1001 pts)		00 kHz	#VBW		1500 GHz 100 kHz	Start 2.40 #Res BW
Auto Mai		•	Y FI 0.028 dB	2 MHz (Δ)	× 1.00		MKR MODE TI
Freq Offse			3.767 dBm	0 GHz	2.401 81	f	2 F 3 4
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	01:59:37 PM Dec 25, 2017	n_8-DPSK_24	ency Separ		ept SA AC		Agilent Spectr
5 6 Frequency		n_8-DPSK_24			ept SA AC D0000 GH PI		Agilent Spectr
Auto Tune	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P kr1 1.202 MHz	n_8-DPSK_24 ALIGNAUTO wg Type: RMS vg Hold: 10/10	SENSE:PULSE	1 Z 10: Wide ↔ → →	ept SA AC DOOOO GH Pt IF(D1 dB	RF 50 Ω eq 2.44150 Ref Offset 7.0	Agilent Spectr
5 6 Frequency P P Auto Tun Iz Auto Tun	01:59:37 PMDec 25,2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB	ALIGNAUTO wg Type: RMS gHold: 10/10	SENSE:PULSE	1 Z 10: Wide ↔ → →	ept SA AC DOOOO GH Pt IF(D1 dB	RF 50 Ω eq 2.44150	Agilent Spectr
5 6 Frequency Iz Auto Tun B Center Frequency 2.441500000 GH	01:59:37 PMDec 25, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB	ALIGNAUTO wg Type: RMS gHold: 10/10	SENSE:PULSE	IZ I0: Wide ↔ Gain:Low	ept SA AC PT PT IF4 D1 dB dBm	RF 50 Ω eq 2.44150	Agilent Spectr Agilent Spectr X RL Center F 10 dB/div Log 10.0 0.00
Auto Tun Auto Tun Center Free 2.441500000 GH	01:59:37 PMDec 25, 2017 TRACE 12 3 4 5 6 TYPE M WWWW DET P P P P P kr1 1.202 MHz 1.883 dB Δ2	ALIGN AUTO ALIGN AUTO Ivg Type: RMS /g Hold: 10/10 AMI	SENSE:PULSE	IZ I0: Wide ↔ Gain:Low	ept SA AC PT PT IF4 D1 dB dBm	RF 50 Ω eq 2.44150 Ref Offset 7.0	Agilent Spectr Agilent Spectr X RL Center F 10 dB/div Log 10.0 0.00
Auto Tun Auto Tun Center Free 2.441500000 GH	01:59:37 PMDec 25, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB	ALIGN AUTO ALIGN AUTO Ivg Type: RMS /g Hold: 10/10 AMI	SENSE:PULSE	IZ I0: Wide ↔ Gain:Low	ept SA AC PT PT IF4 D1 dB dBm	RF 50 Ω eq 2.44150	Agilent Spectr Agilent Spectr X RL Center F 10 dB/div Log 10.0 0.00 -10.0
Auto Tun Auto Tun Center Free 2.441500000 GH 2.440500000 GH	01:59:37 PMDec 25, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB	ALIGN AUTO ALIGN AUTO Ivg Type: RMS /g Hold: 10/10 AMI	SENSE:PULSE	IZ I0: Wide ↔ Gain:Low	ept SA AC PT PT IF4 D1 dB dBm	RF 50 Ω eq 2.44150	Agilent Spectr X RL Center F 10 dB/div Center F 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0
Auto Tun Auto Tun Center Free 2.441500000 GH 2.440500000 GH Stop Free	01:59:37 PMDec 25, 2017 TRACE [] 2 3 4 5 6 TYPE MWWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB	ALIGN AUTO ALIGN AUTO Ivg Type: RMS /g Hold: 10/10 AMI	SENSE:PULSE	IZ I0: Wide ↔ Gain:Low	ept SA AC PT PT IF4 D1 dB dBm	RF 50 Ω eq 2.44150	Agilent Spectr X RL Center F 10 dB/div Log 10.0 -10.0 -20.0 -30.0 -40.0
Frequency Auto Tun Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH Tz CF Step	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWW DeT P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 	n_8-DPSK_24	SENSE:PULSE	Iz I0: Wide ↔ Sain:Low	ept SA AC PT PT IF4 D1 dB dBm	Ref Offset 7.0 Ref 20.00 c	Agilent Spectr X RL I Center F I <thi< th=""> I I</thi<>
Stop Frequency Auto Tun B Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH Stop Fre 2.442500000 GH Stop Fre 2.442500000 GH Stop Stop Fre 2.442500000 GH Stop Stop Stop Stop Stop Stop Stop Stop	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 Cop 2.442500 GHz 000 ms (1001 pts)	ALIGNAUTO Wg Type: RMS gHold: 10/10 ΔΜΙ ΔΜΙ ΔΜΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΜ	SENSE:PULSE	Iz 0: Wide ↔ Sain:Low	ept SA AC D00000 GH PP IF D1 dB dBm (C C C C C C C C C C C C C	Ref Offset 7.0 Ref 20.00 c	Agilent Spectri X RL Center F 10 dB/div 200 -20.0 -30.0 -50.0 -60.0 -70.0 Start 2.44 #Res BW
Frequency Auto Tun B Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH Iz CF Ste 200.000 kH Auto Auto	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 cop 2.442500 GHz 000 ms (1001 pts)	ALIGNAUTO Wg Type: RMS gHold: 10/10 ΔΜΙ ΔΜΙ ΔΜΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΜ	SENSE:PULSE Trig: Free Run Atten: 30 dB	Iz 0: Wide ↔ Sain:Low 4000000000000000000000000000000000000	ept SA AC D00000 GH PP IF D1 dB dBm (C C C C C C C C C C C C C	Ref Offset 7.0 Ref 20.00 c	Agilent Spectr X RL Center F 10 dB/div 10.0
Auto Tun Auto Tun Center Free 2.441500000 GH 2.440500000 GH 2.440500000 GH 2.442500000 GH 2.442500000 GH 2.442500000 GH Auto Ma Freq Offsee	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 cop 2.442500 GHz 000 ms (1001 pts)	ALIGNAUTO Wg Type: RMS gHold: 10/10 ΔΜΙ ΔΜΙ ΔΜΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΜ	SENSE:PULSE	Iz 0: Wide ↔ Sain:Low 4000000000000000000000000000000000000	ept SA AC D0000 GH PP IF D1 dB dBm (PV^AGeneration (PV^AGeneration (PVAGeneration (Ref Offset 7.0 Ref 20.00 c	Agilent Spectr X RL Center F 10 dB/div Conter F 10.0 .00 .10.0 .20.0 .30.0 .40.0 .50.0 .60.0 .70.0 Start 2.44 #Res BW MKR MODE TI 1 A2 2 F
Auto Tuni Auto Tuni Center Free 2.441500000 GH 2.440500000 GH 2.440500000 GH 2.442500000 GH 2.442500000 GH 4z CF Step 200.000 kH Auto Mai	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 cop 2.442500 GHz 000 ms (1001 pts)	ALIGNAUTO Wg Type: RMS gHold: 10/10 ΔΜΙ ΔΜΙ ΔΜΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΜ	SENSE:PULSE	Iz 0: Wide ↔ Sain:Low 4000000000000000000000000000000000000	ept SA AC D0000 GH PP IF D1 dB dBm (PV^AGeneration (PV^AGeneration (PVAGeneration (Ref Offset 7.0 Ref 20.00 c	Agilent Spectri X RL Center F 10 dB/div 200 -10.0
S 6 Frequency Iz Auto Tune B Center Freq 2.441500000 GH: Start Freq 2.440500000 GH: Stop Freq 2.442500000 GH: Stop Freq 2.442500000 GH: Auto Mar Freq Offse 0 H:	01:59:37 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P kr1 1.202 MHz 1.883 dB Δ2 Δ2 Cop 2.442500 GHz Cop 2.442500 GHz DO0 ms (1001 pts) FUNCTION VALUE	ALIGNAUTO Wg Type: RMS gHold: 10/10 ΔΜΙ ΔΜΙ ΔΜΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΙ ΔΜΙ ΔΜ	SENSE:PULSE	Iz 0: Wide ↔ Sain:Low 4000000000000000000000000000000000000	ept SA AC D0000 GH PP IF D1 dB dBm (PV^AGeneration (PV^AGeneration (PVAGeneration (Ref Offset 7.0 Ref 20.00 c	Agilent Spectr X RL Center F 10 dB/div Cog 10.0

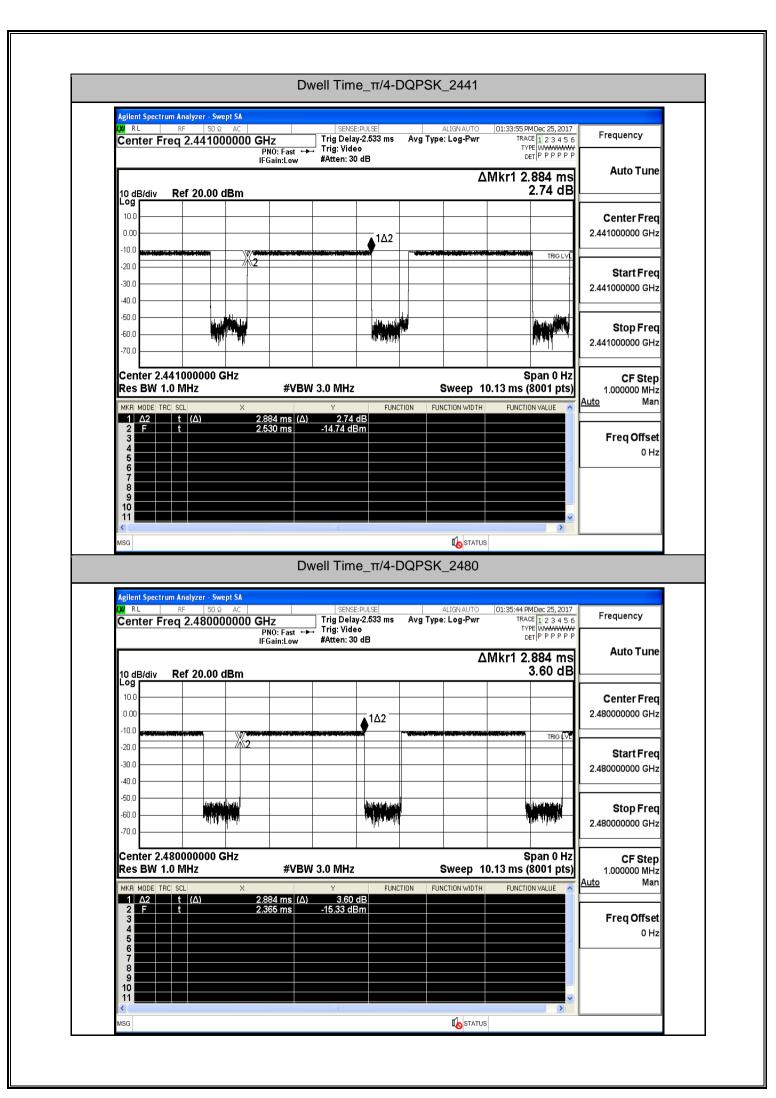
Frequency	PMDec 25, 2017 ^{ACE} 1 2 3 4 5 6 YPE M WWWWW DET P P P P P	TRA	ALIGN AUTO ype: RMS Id: 10/10		sense:PULse g: Free Run ten: 30 dB	Z 0: Wide ↔ → ain:Low	PN	req 2.4795	X RL Center F
Auto Tu	262 MHz 1.375 dB		۱Δ				01 dB	Ref Offset 7. Ref 20.00	10 dB/div
Center Fr 2.479500000 G	and a start a	↓ ^{1Δ2}		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	babban	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-margar Mar		10.0
Start Fre 2.478500000 GH									-20.0
Stop Fre 2.480500000 G⊦									-50.0
CF Ste 200.000 k⊢ <u>Auto</u> Ma	80500 GHz (1001 pts)	1.000 ms		UNCTION	, 1.375 dB	#VBW :		f (Δ)	#Res BW
FreqOffs 0⊦					101 dBm	i GHz	2.478 82	f	2 F 3 4 5 6 7

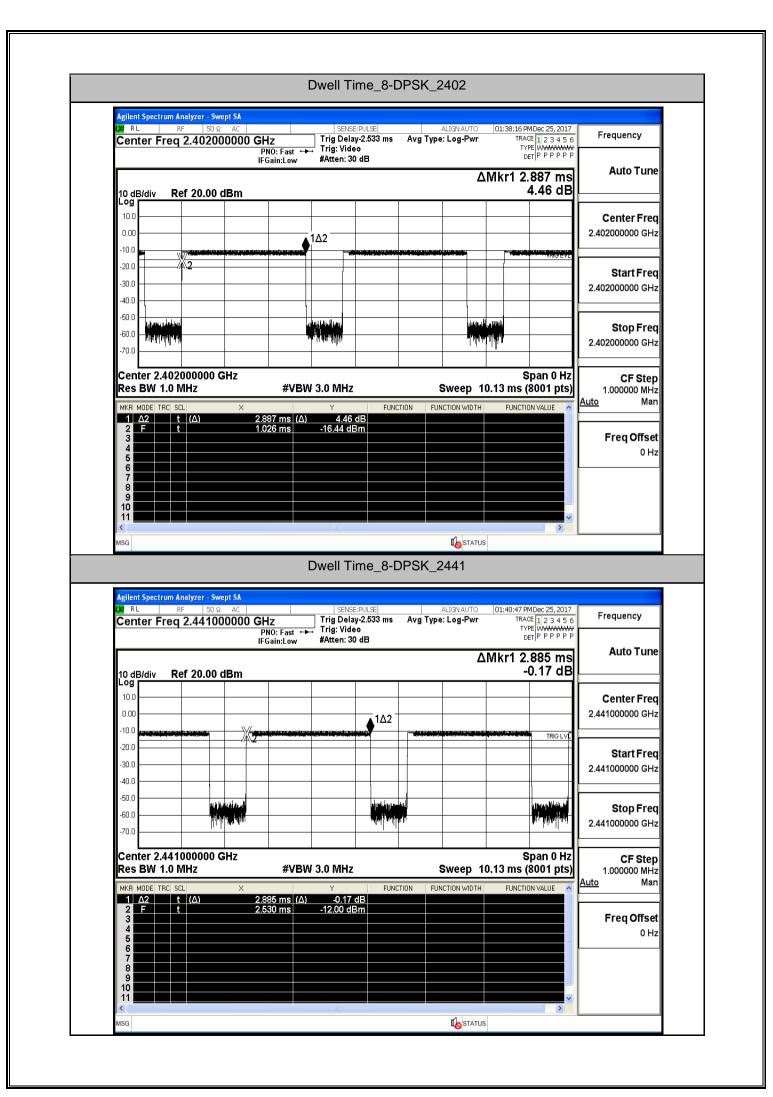
A.4 Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
	2402	2.88	106.7	0.307	0.4	PASS
GFSK	2441	2.88	106.7	0.307	0.4	PASS
	2480	2.88	106.7	0.307	0.4	PASS
	2402	2.89	106.7	0.308	0.4	PASS
π/4-DQPSK	2441	2.88	106.7	0.307	0.4	PASS
	2480	2.88	106.7	0.307	0.4	PASS
	2402	2.89	106.7	0.308	0.4	PASS
8-DPSK	2441	2.89	106.7	0.308	0.4	PASS
	2480	2.89	106.7	0.308	0.4	PASS









Center Fr	req 2.48000	PN	Z O: Fast ↔→ ain:Low	Trig Delay Trig: Video #Atten: 30	>	Avg Type	: Log-Pwr	01:42:30 PMI TRACE TYPE DET	123456 WWWWWWW PPPPPP	Frequency
10 dB/div	Ref 20.00 (dBm					Δľ	//kr1 2.8 3	887 ms .95 dB	Auto Tune
10.0 0.00					Δ2					Center Freq 2.480000000 GHz
-10.0 Hereinstein -20.0 -30.0		2							TRIGENE	Start Freq 2.480000000 GHz
-40.0	والعالية والعراقية والمراجع									Stop Freq
-60.0	, in the second s			71	are politica ti			Ministration		2.480000000 GHz
Center 2.4 Res BW 1	180000000 C .0 MHz	SHz	#VBW	3.0 MHz			Sweep 10			CF Step 1.000000 MHz <u>Auto</u> Man
MKR MODE TF	3C SCL t (∆) t	× 2.88 2.01	87 ms (∆) ′5 ms	Y <u>3.95 d</u> -15.93 dB	B	CTION FUN	CTION WIDTH	FUNCTION	VALUE	Freq Offset
4 5 6										0 Hz

A.5 Hopping Channel Number

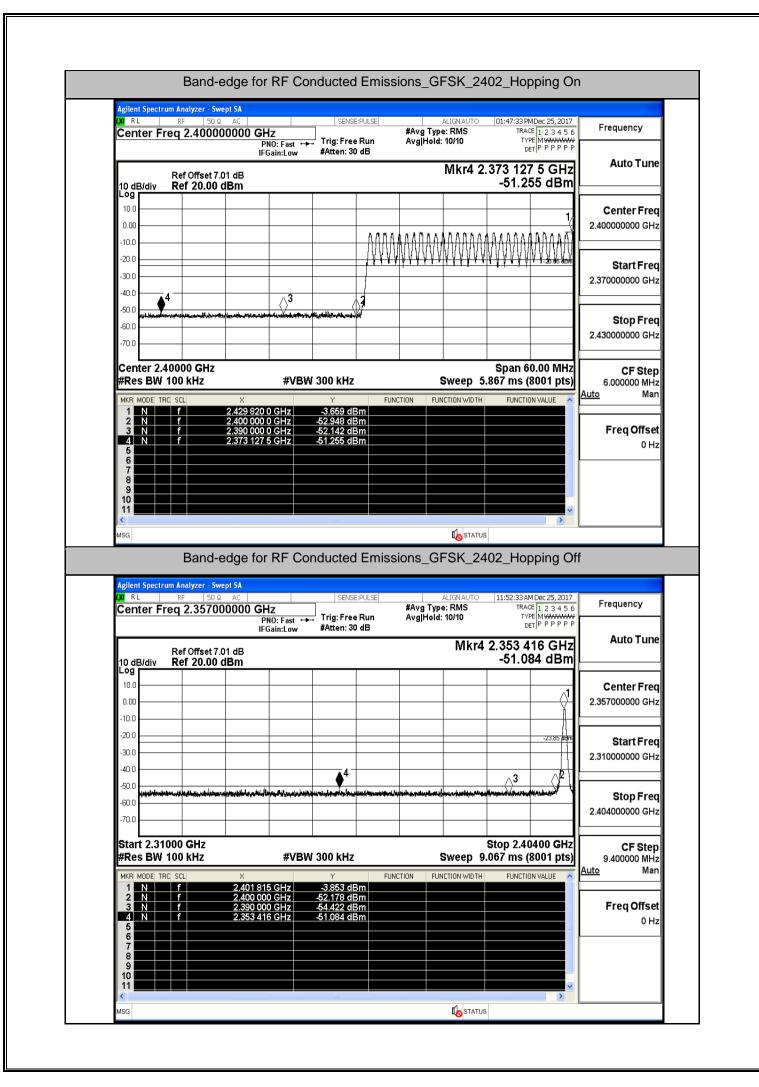
Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
GFSK	2402	79	>=15	PASS
π/4-DQPSK	2402	79	>=15	PASS
8-DPSK	2402	79	>=15	PASS

Center Freq 2.441	PNO: Fast 🛶 Trig: Free Run	ALIGNAUTO (#Avg Type: RMS Avg Hold: 10/10	1:49:27 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	equency
Ref Offse 10 dB/div Ref 20.0		ΔMkr1	78.093 MHz -0.007 dB	Auto Tune
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>, , , , , , , , , , , , , , , , , , , </u>	2.44	Center Freq 1750000 GHz
-30.0		<u>AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</u>		Start Freq 0000000 GHz
-50.0 -60.0 -70.0			2.48	Stop Freq 3500000 GHz
Start 2.40000 GHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 8.00	Auto	CF Step 3.350000 MHz Man
MKR MODE TRC SCL 1 Δ2 f (Δ) 2 F f 3 - - 4 - -	× γ 78.093 MHz (Δ) -0.007 dB 2.402 025 GHz -4.120 dBm	FUNCTION FUNCTION WIDTH		Freq Offset 0 Hz
5 6 7 8				
9				
9 10 11 ×			×	
10 11	Hopping Channel Nun	-		
10 11 MSG Agilent Spectrum Analyzer -	Swept SA 0 Ω AC SENSE:PULSE 750000 GHz	nber_π/4-DQPSK_2	2402 1:56:06 PMDec 25, 2017 TRACE 1 2 3 4 5 6 Fr	equency
Agilent Spectrum Analyzer - VI RL RF 5 Center Freq 2.441 Ref Offset	Swept SA O Ω AC SENSE:PULSE 750000 GHz PN0: Fast ↔ IFGain:Low #Atten: 30 dB 7.01 dB	nber_π/4-DQPSK_2 ALIGNAUTO 0 #Avg Type: RMS Avg Hold: 10/10	2402	equency Auto Tune
Agilent Spectrum Analyzer - XI RL RF 5 Center Freq 2.441 Ref Offset 10 dB/div Ref 20.0 10.0 0.00	Swept SA O Ω AC SENSE:PULSE 750000 GHZ PN0: Fast ↔ IFGain:Low #Atten: 30 dB :7.01 dB 0 dBm	nber_π/4-DQPSK_2	2402 1:56:06 PMDec 25,2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 77.989 MHz -3.507 dB	
Agilent Spectrum Analyzer - MSG Agilent Spectrum Analyzer - MRL RF 5 Center Freq 2.441 Ref Offset OdB/div Ref 20.0 OdB/div Ref 20.0 OdB/div Ref 20.0	Swept SA O Ω AC SENSE:PULSE 750000 GHz PN0: Fast ↔ IFGain:Low #Atten: 30 dB 7.01 dB	nber_π/4-DQPSK_2	2402 1:56:06 PMDec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 77.989 MHz -3.507 dB -3.507 dB -3.507 dB	Auto Tune
Agilent Spectrum Analyzer - Msg Agilent Spectrum Analyzer - Msg Center Freq 2.441 Ref Offset OdB/div Ref 20.0 Log 10.0 .000 .10.0 .20.0	Swept SA 0 ♀ AC SENSE:PULSE 750000 GHZ PN0: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB :7.01 dB 0 dBm	nber_π/4-DQPSK_2	2402 1:56:06 PMDec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 77.989 MHz -3.507 dB -3.507 dB -3.507 dB -3.507 dB -3.507 dB -3.507 dB	Auto Tune Center Freq 1750000 GHz Start Freq 0000000 GHz Stop Freq
Agilent Spectrum Analyzer - 00 RL RF 5 Center Freq 2.441 Ref Offset 0 10.0 Ref 20.0 0 10.0	Swept SA 0 ♀ AC SENSE:PULSE 750000 GHZ PN0: Fast ↔ Trig: Free Run IFGain:Low #Atten: 30 dB :7.01 dB 0 dBm	nber_π/4-DQPSK_2	2402 1:56:06 PMDec 25, 2017 TRACE [1 2 3 4 5 6 TVPE P P P P P P 77.989 MHz -3.507 dB 2.40 2.40 2.40 2.40 2.40 2.40	Auto Tune Center Freq 1750000 GHz Start Freq 0000000 GHz
Agilent Spectrum Analyzer - Msg Ref Offset Msg Ref Offset OdB/div Ref Offset 10 dB/div Ref 20.0 10.0	Swept SA SENSE:PULSE 750000 GHz PN0: Fast →→ IFGain:Low Trig: Free Run #Atten: 30 dB 7.01 dB 0 dBm	nber_π/4-DQPSK_2	2402 1:56:06 PM Dec 25, 2017 TRACE 1 2 3 4 5 Fr TYPE MWWWWW DET P P P P P P 77.989 MHz -3.507 dB 2.44 2.40 2.44 2.40 2.44 2.40 2.44 2.40 2.44 2.40 4.4	Auto Tune Center Freq 1750000 GHz Start Freq 0000000 GHz Stop Freq 3500000 GHz CF Step

Center Freq 2.44	Swept SA 50 Ω AC 1750000 GHz	SENSE:PULSE	ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	02:02:27 PMDec 25, 2017 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast ← IFGain:Low et 7.01 dB .00 dBm	#Atten: 30 dB		r1 77.937 MHz -2.812 dB	Auto Tune
	horopean the manual		had much hill have had been	1D2	Center Freq 2.441750000 GHz
-20.0			······································		Start Freq 2.40000000 GHz
-50.0				hu	Stop Freq 2.483500000 GHz
Start 2.40000 GHz #Res BW 100 kHz		W 300 kHz		Stop 2.48350 GHz 000 ms (8001 pts)	CF Step 8.350000 MHz <u>Auto</u> Man
	77.937 MHz(∆ 2.401 827 GHz				Freq Offset 0 Hz
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				E	0112

A.6 Band-edge for RF	Conducted Emissions
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Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
	2402	On	-3.659	-51.255	-23.66	PASS
GFSK	2402	Off	-3.853	-51.084	-23.85	PASS
GFSK	2480	On	-3.660	-50.761	-23.66	PASS
	2480	Off	-3.569	-51.294	-23.57	PASS
	2402	On	-3.687	-50.578	-23.69	PASS
π/4-DQPSK	2402	Off	-3.794	-50.829	-23.79	PASS
11/4-DQF3N	2480	On	-3.627	-49.927	-23.63	PASS
	2480	Off	-3.516	-51.006	-23.52	PASS
	2402	On	-3.756	-50.982	-23.76	PASS
8-DPSK	2402	Off	-3.712	-51.256	-23.71	PASS
0-042V	2480	On	-3.668	-50.247	-23.67	PASS
	2480	Off	-3.341	-50.762	-23.34	PASS

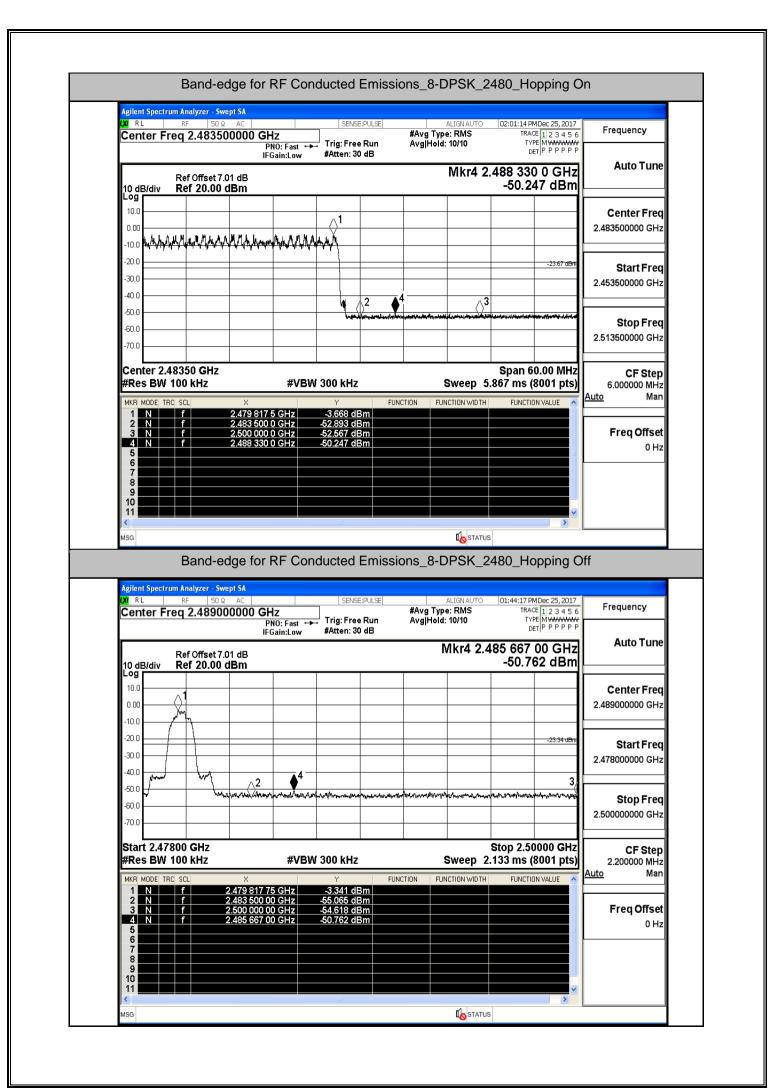


	01:48:43 PM Dec 25, 2017 TRACE 1 2 3 4 5 6	ALIGNAUTO #Avg Type: RMS	SENSE:PULSE	7	AC	nalyzer - Swe F 50 Ω 2.48350	. R	XI RL
P	TYPE MWWWWW DET P P P P P P	Avg Hold: 10/10	Trig: Free Run #Atten: 30 dB	∠ IO: Fast ↔ ain:Low	PN	2.40000		0011
	489 732 5 GHz -50.761 dBm	Mkr4 2.4				of Offset 7.0 ef 20.00 d		
Center Free					.1			Log 10.0
2.483500000 GH			N A A A	חהההחת	 ∧∩∩∩∩∧	ለለስለስለ	ለበለበለ	0.00 -10.0
Start Fred	-23.66 dBm			<u> </u>	ŴŶŶŶŶ	IVYYVV	YYYYY	-20.0
2.453500000 GHz								-30.0
	สระนะเหน่าน เหนือเป็นไปเร็จ เหนือเป็นมีเหนือเป็น		2					-40.0 -50.0
Stop Fred 2.513500000 GHz								-60.0
	Span 60.00 MHz					50 CH2	ter 2.483:	-70.0 Con
) 6.000000 MHz	867 ms (8001 pts)	Sweep 5.3	N 300 kHz	#VBW			s BW 100	
Auto Man	FUNCTION VALUE	UNCTION FUNCTION WIDTH	Y F -3.660 dBm	GHz	× 2.466 820 0		MODE TRC SO	
Freq Offset			-53.339 dBm -53.724 dBm	GHz	2.483 500 0 2.500 000 0 2.489 732 5		N f	23
0 Hz			-50.761 dBm	GHZ	2.4897325		N f	4 5 6
								7
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								10
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					dae for	Dand a		10
)ff		SSIONS_GFSK_24	onducted Emis	RF Cor	-			10 11 <
7 Ereguener	80_Hopping Of	SSIONS_GFSK_24			pt SA AC	nalyzer - Swe F 50 Ω	t Spectrum A	10 11 MSG Agilent
7 6 Frequency	80_Hopping Of	ssions_GFSK_24	SENSE:PULSE	Z 0: Fast ↔	DT SA AC 0000 GH PN	nalyzer - Swe	t Spectrum A	10 11 MSG Agilent
Frequency	80_Hopping Of	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	Z	DT SA AC DOOOO GH PN IFG 1 dB	nalyzer - Swe F 50 Ω 2.48900 f Offset 7.0	t Spectrum A 	10 11 Msg Agilent XI RL Cent
Frequency	80_Hopping Of 11:56:48 AM Dec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET [P P P P P 95 022 50 GHz	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	Z 0: Fast ↔	DT SA AC DOOOO GH PN IFG 1 dB	nalyzer - Swe F 50 Ω 2.48900	t Spectrum A 	10 11 Agilent XI R L Cent
Auto Tune	80_Hopping Of 11:56:48 AM Dec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET [P P P P P 95 022 50 GHz	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	Z 0: Fast ↔	DT SA AC DOOOO GH PN IFG 1 dB	nalyzer - Swe F 50 Ω 2.48900 f Offset 7.0	t Spectrum A 	10 11 Agilent X/ RL Cent
7 6 P Auto Tune Center Freq 2.489000000 GHz	80_Hopping Of 11:56:48 AM Dec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 95 022 50 GHz -51.294 dBm	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	Z 0: Fast ↔	DT SA AC DOOOO GH PN IFG 1 dB	nalyzer - Swe F 50 Ω 2.48900 f Offset 7.0	t Spectrum A 	10 11 1 11 4 MSG 4 MSG 7 MSG 7 M
Auto Tune Center Freq 2.48900000 GHz Start Freq	80_Hopping Of 11:56:48 AM Dec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET [P P P P P 95 022 50 GHz	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	Z 0: Fast ↔	DT SA AC DOOOO GH PN IFG 1 dB	nalyzer - Swe F 50 Ω 2.48900 f Offset 7.0	t Spectrum A 	10 11 4 Agilent Agilent Agilent Agilent 10 dE Cent 10.0 0.00
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7 6 Frequency P Auto Tune Center Freq 2.48900000 GHz 2 Start Freq 2.478000000 GHz 2.47800000 GHz 2 Stop Freq 2.50000000 GHz 2.5000000 GHz 2 CF Step 2.200000 MHz Mar Freq Offset 5	80_Hopping Of 11:56:48 AM Dec 25, 2017 TRACE [1 2 3 4 5 6 TYPE MWWWW DET P P P P P 95 022 50 GHz -51.294 dBm -23:57 dBm 3/ 3/ 51 0000 GHz 133 ms (8001 pts)	ALIGNAUTO #Avg Type: RMS AvgHold: 10/10 Mkr4 2.4: Mkr4 2.4:	SENSE:PULSE	Z 0: Fast → ain:Low #VBW GHz GHz GHz GHz GHz	≥ AC D000 GH PN IFG 1 dB Bm 2 2 both your / hour 2 both your / hour X	nalyzer - Swej F 50 2 2.48900 of Offset 7.0 ef 20.00 d 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	t 2.47800 s BW 100	10 dE MSG Agilent X RL Cent 10 dE Cent 10.0 -
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1	2402_Hopping	NS_Π/4-DQPSK_ ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	AC 0000 GHz PN0: Fast ← IFGain:Low	RF 50 Ω RF 50 Ω r Freq 2.35700 Ref Offset 7.0	11 Agilent Sp Agilent Sp XI RL Cente
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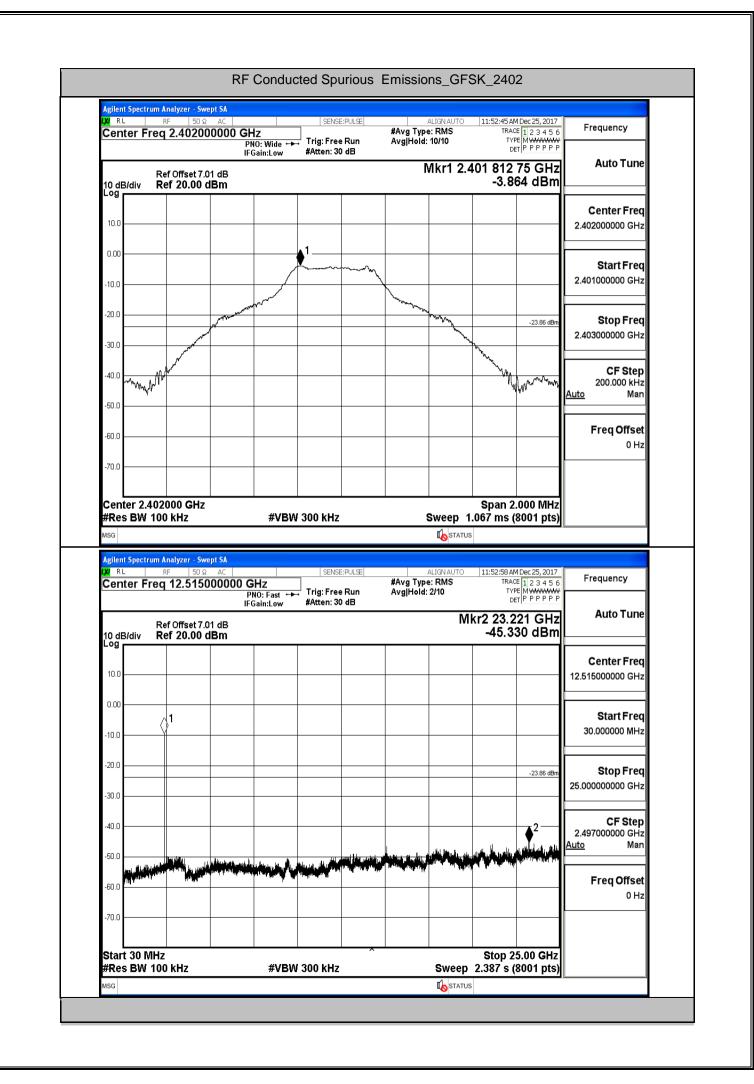
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IDD Center Free 000	Frequency	2480_Hopping	π/4-DQPSK_ ALIGNAUTO Avg Type: RMS vg Hold: 10/10	SENSE:PULSE	GHz PNO: Fast ↔	alyzer - Swept SA 50 Ω AC 2.48900000	ent Spectrum RL nter Free
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2 N f 2.483 500 00 GHz -52.663 dBm 3 N f 2.500 000 00 GHz -52.683 dBm Freq Offset 4 N f 2.493 347 75 GHz -51.006 dBm 0 H 5 - - - - 0 H 6 - - - - 0 H 7 - - - - 0 H 9 - - - - - 0 H 10 - - - - - - 0 H	Frequency Auto Tune Center Free 2.489000000 GH Start Free 2.478000000 GH Stop Free 2.500000000 GH	2480_Hopping	ALIGNAUTO Avg Type: RMS vgHold: 10/10 Mkr4 2.4	SENSE:PULSE	GHz PNO: Fast ↔ IFGain:Low	alyzer - Swept SA 50 Q AC 2.48900000 F Offset 7.01 dB f 20.00 dBm	ant Spectrum RL nter Free dB/div F dB/div F dB/di
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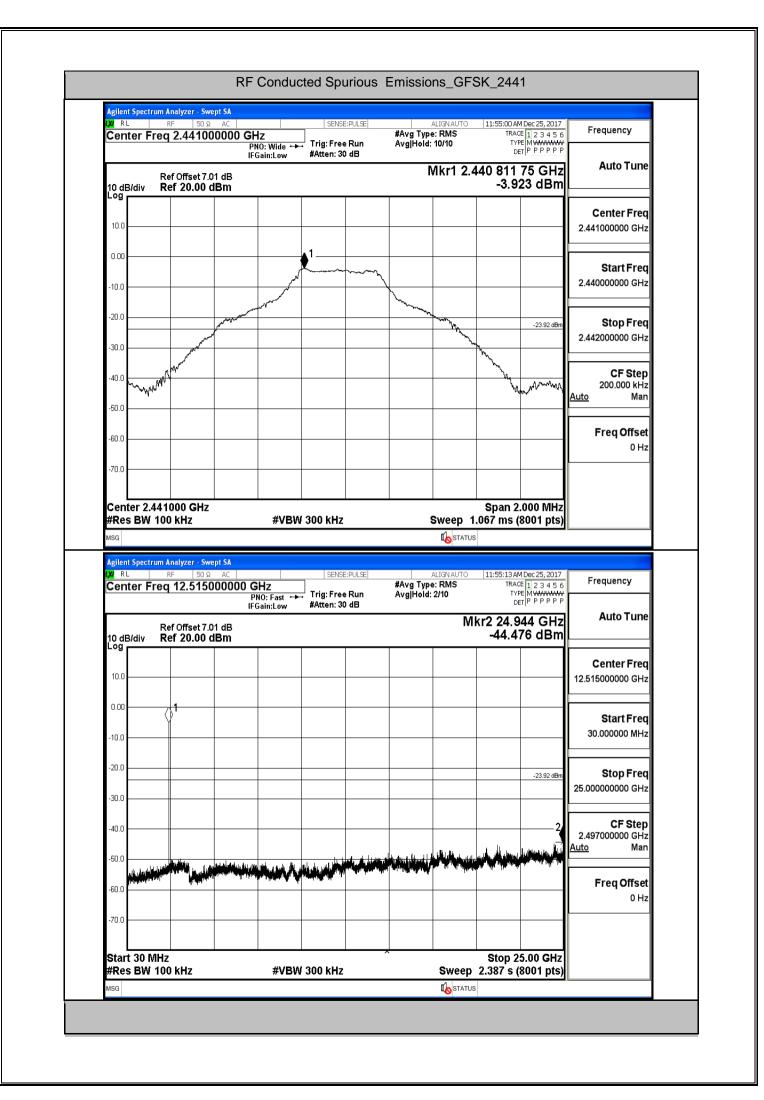
Frequency	01:59:14 PM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW	ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	c	m Analyzer - Swep RF 50 Ω eq 2.400000	KI RL
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Start Free	-23:76 dBm					-20.0
2.370000000 GHz			42	∧3	,	-30.0
Stop Freq					-	-50.0
2.430000000 GHz						-70.0
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Frequency	■ ■	ions_8-DPSK_24 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	6A C 	m Analyzer - Swep RF 50 Ω eq 2.357000 Ref Offset 7.01	9 10 11 Asg
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Frequency Auto Tune Center Freq 2.35700000 GHz Start Freq	01:38:45 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P P P P P P 2.355 214 GHz -51.256 dBm	ions_8-DPSK_24 ALIGN AUTO #Avg Type: RMS Avg Hold: 10/10	SENSE:PULSE	6A C 	m Analyzer - Swep RF 50 Ω eq 2.357000 Ref Offset 7.01	9 10 11 11 11 11 11 10 10 10 10
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Frequency Auto Tune Center Freq 2.357000000 GHz Start Freq 2.310000000 GHz Stop Freq 2.404000000 GHz Auto Man	01:38:45 PMDec 25, 2017 TRACE 12 3 4 5 6 TYPE MMMMMM DET P P P P P P 2.355 214 GHz -51.256 dBm -2377 pm -3 22 0 MMMMMM 404/m Stop 2.40400 GHz .067 ms (8001 pts)	ions_8-DPSK_24	SENSE:PULSE → Trig: Free Run #Atten: 30 dB	6A C 100 GHz PN0: Fast + IFGain:Low IB m 	m Analyzer - Swep ℝF 50 Ω eq 2.357000 Ref Offset 7.01 Ref 20.00 dl 0 0 dl 0 0 dl 0 0 dl 0 0 dl 0 0 dl 0 0 dl 1 0 d	9 10 11 11 13 10 11 10 10 10 10 10 10 10 10

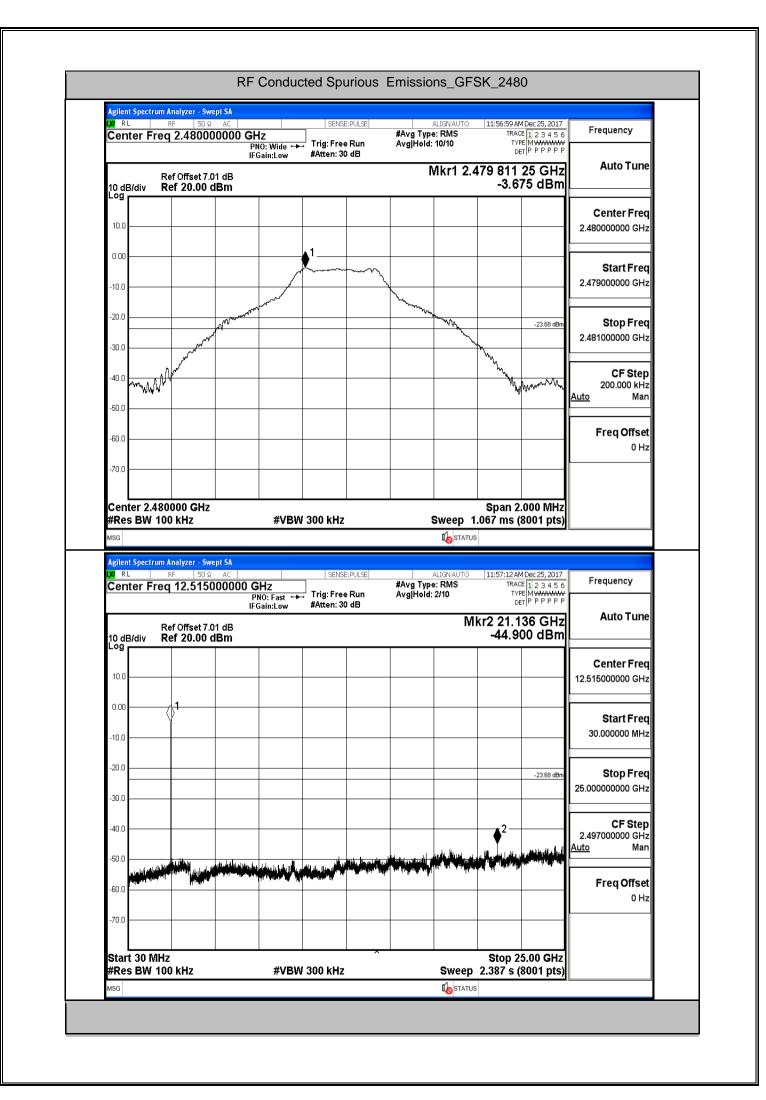


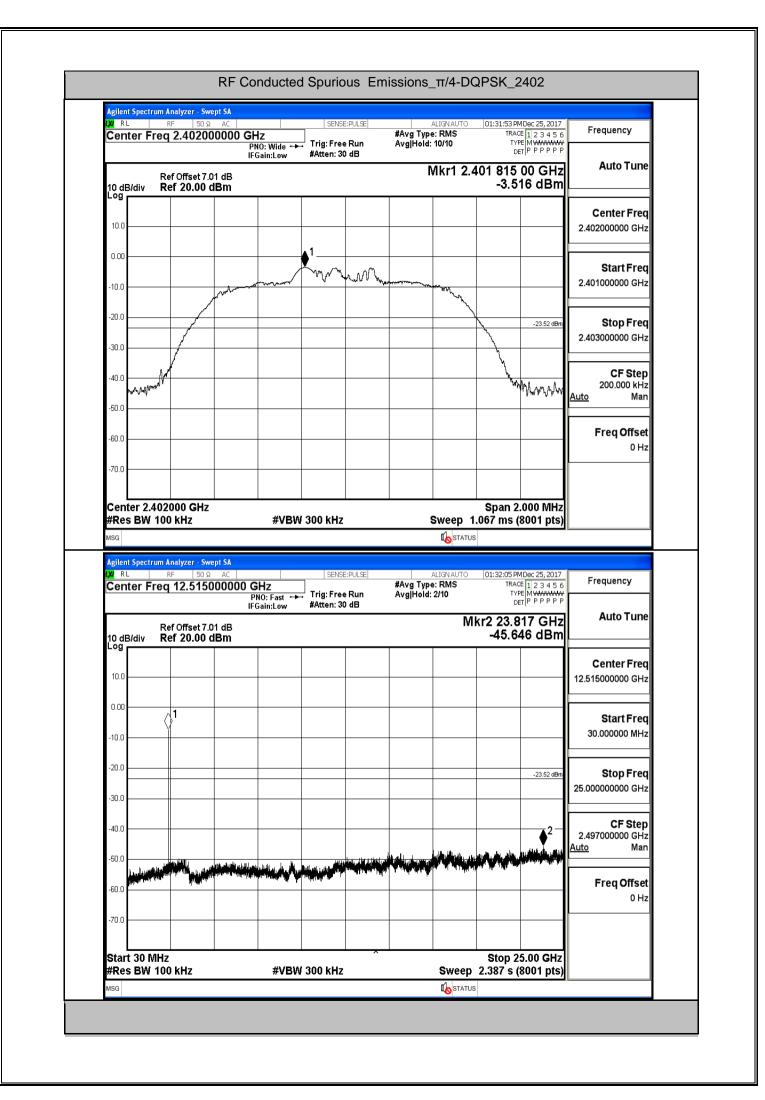
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	2402	30	25000	100	300	-3.864	-45.330	<- 23.864	PASS
	2441	30	25000	100	300	-3.923	-44.476	<- 23.923	PASS
	2480	30	25000	100	300	-3.675	-44.900	<- 23.675	PASS
π/4- DQPSK	2402	30	25000	100	300	-3.516	-45.646	<- 23.516	PASS
	2441	30	25000	100	300	-3.932	-45.690	<- 23.932	PASS
	2480	30	25000	100	300	-3.579	-35.939	<- 23.579	PASS
8-DPSK	2402	30	25000	100	300	-3.85	-45.215	<-23.85	PASS
	2441	30	25000	100	300	-3.815	-45.572	<- 23.815	PASS
	2480	30	25000	100	300	-3.443	-45.439	<- 23.443	PASS

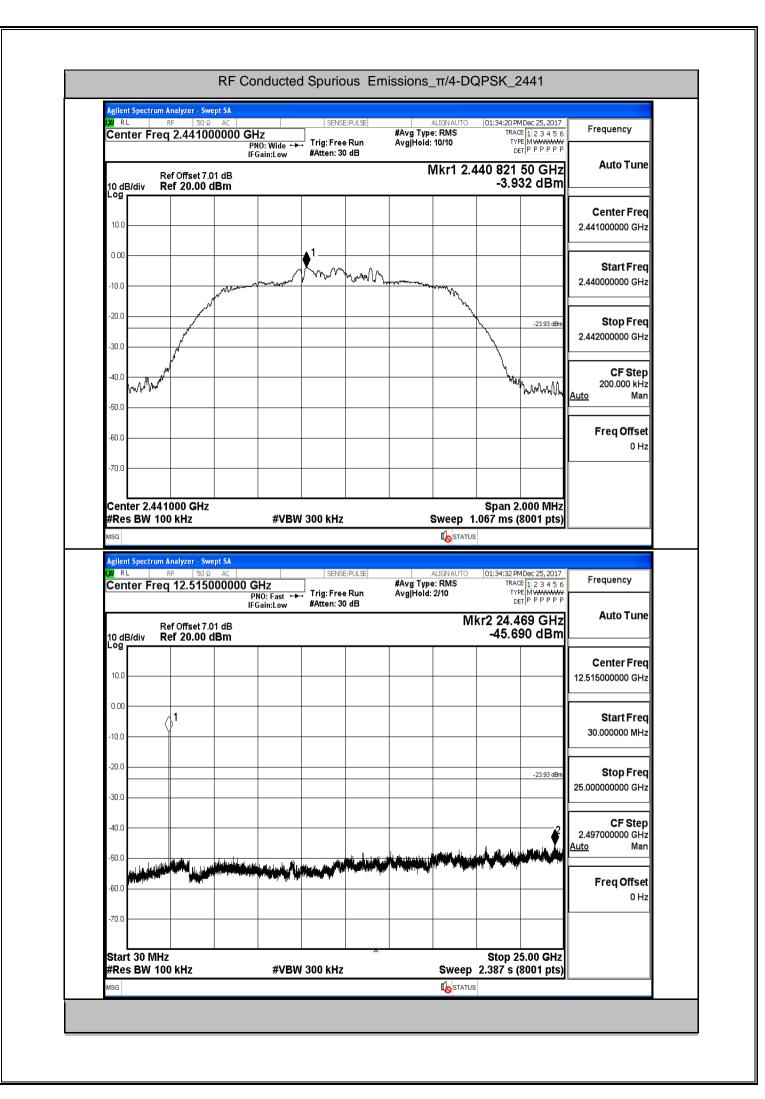
A.7 RF Conducted Spurious Emissions

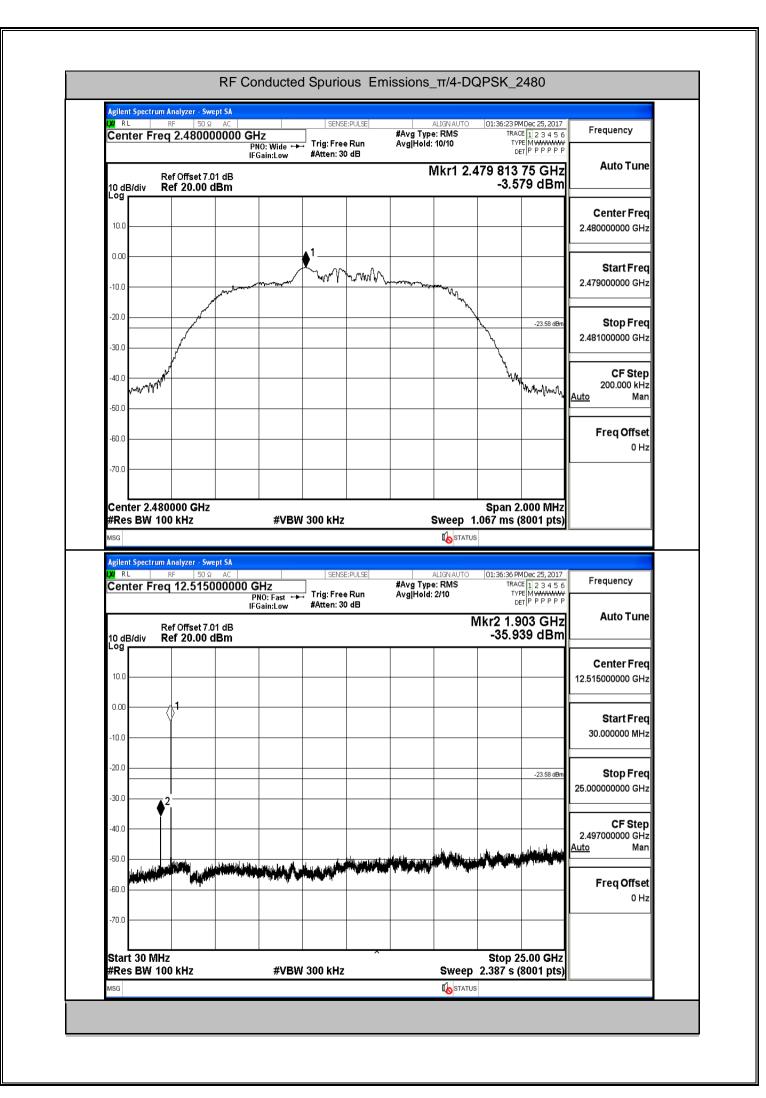


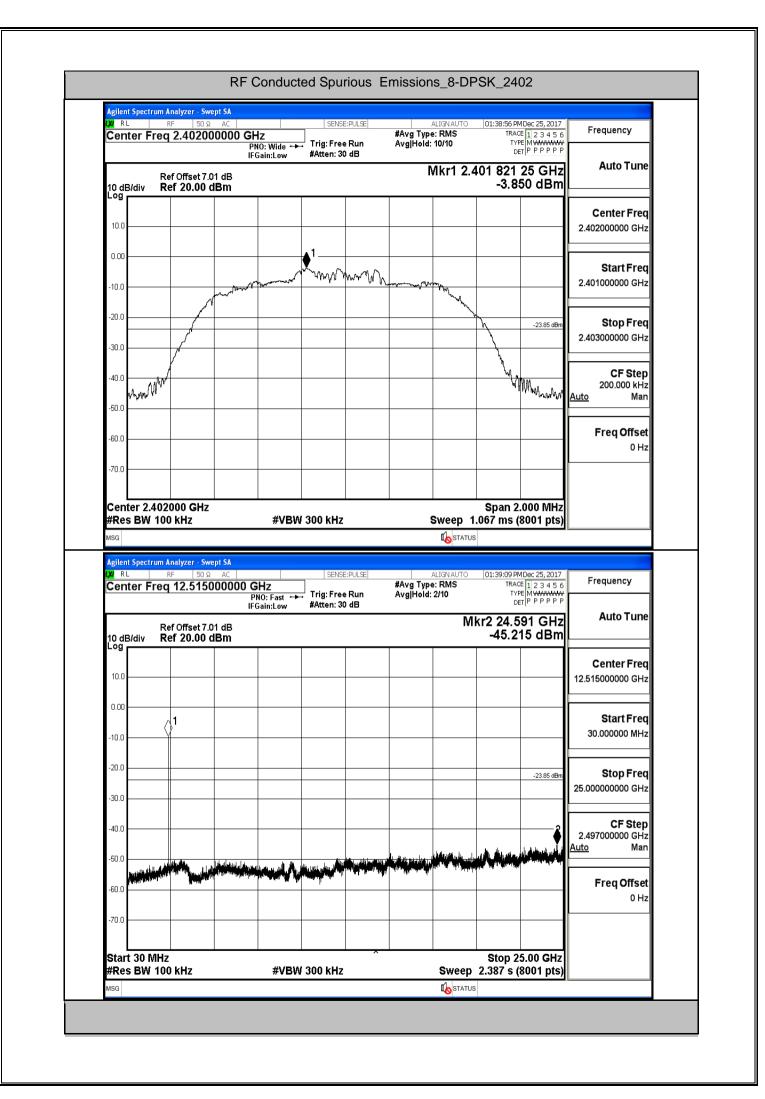


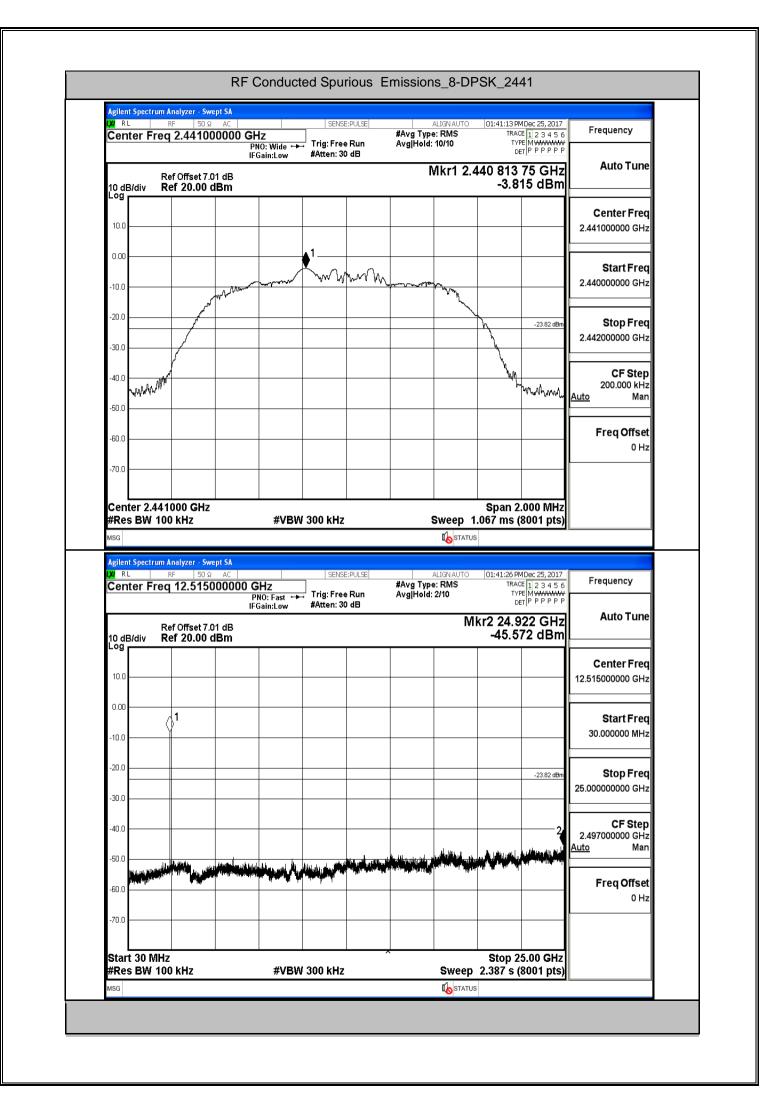


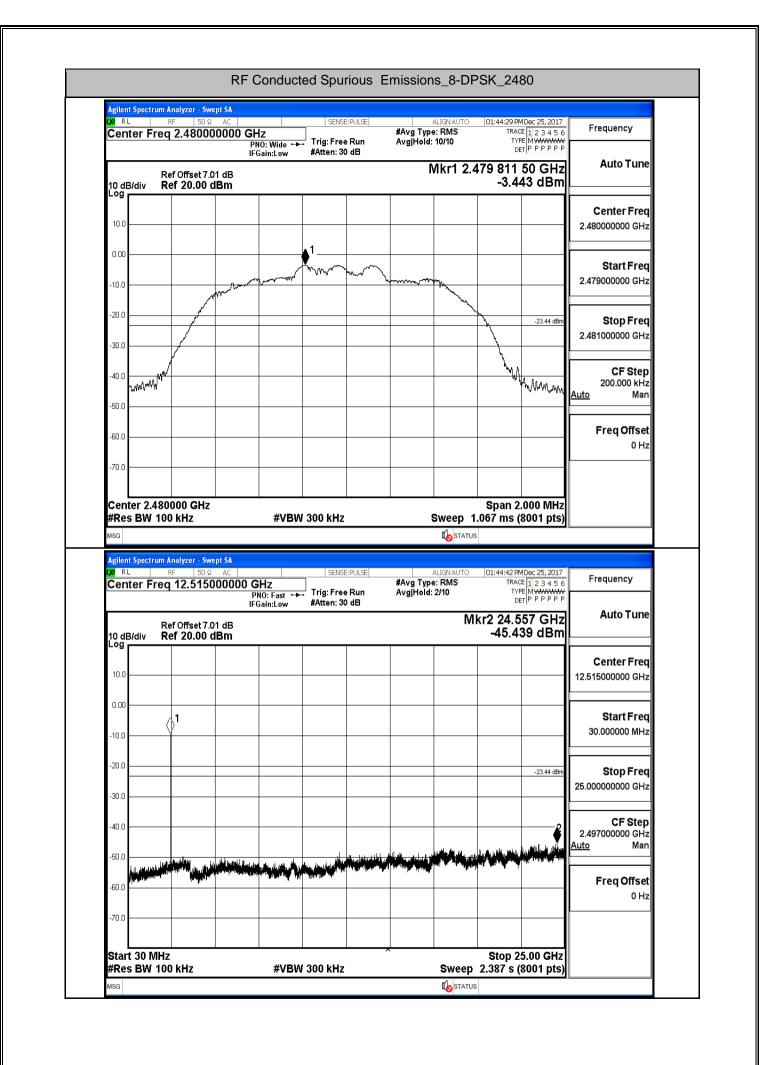












A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	Off	2310.0	-44.06	0	0	53.20	PEAK	74	PASS
	Off	2310.0	-55.07	0	0	42.19	AV	54	PASS
	Off	2390.0	-44.78	0	0	52.48	PEAK	74	PASS
GFSK	Off	2390.0	-54.98	0	0	42.28	AV	54	PASS
Gran	Off	2483.5	-44.74	0	0	52.52	PEAK	74	PASS
	Off	2483.5	-54.69	0	0	42.57	AV	54	PASS
	Off	2500.0	-44.52	0	0	52.74	PEAK	74	PASS
	Off	2500.0	-54.59	0	0	42.67	AV	54	PASS
	Off	2310.0	-44.20	0	0	53.06	PEAK	74	PASS
	Off	2310.0	-55.06	0	0	42.20	AV	54	PASS
	Off	2390.0	-44.14	0	0	53.11	PEAK	74	PASS
π/4-	Off	2390.0	-54.90	0	0	42.35	AV	54	PASS
DQPSK	Off	2483.5	-43.90	0	0	53.36	PEAK	74	PASS
	Off	2483.5	-54.66	0	0	42.60	AV	54	PASS
	Off	2500.0	-44.93	0	0	52.33	PEAK	74	PASS
	Off	2500.0	-54.57	0	0	42.69	AV	54	PASS
	Off	2310.0	-45.03	0	0	52.23	PEAK	74	PASS
	Off	2310.0	-55.08	0	0	42.18	AV	54	PASS
	Off	2390.0	-45.11	0	0	52.15	PEAK	74	PASS
8-DPSK	Off	2390.0	-54.92	0	0	42.34	AV	54	PASS
0-DFSK	Off	2483.5	-44.16	0	0	53.10	PEAK	74	PASS
	Off	2483.5	-54.67	0	0	42.59	AV	54	PASS
	Off	2500.0	-43.26	0	0	54.00	PEAK	74	PASS
	Off	2500.0	-54.57	0	0	42.69	AV	54	PASS

LXI RL	trum Analyzer - Swep RF 50 Ω Freq 2.352000	AC 000 GHz	SENSE:PULSE	Avg Type:	Log-Pwr	3:15 AM Dec 25, 2017 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 7.01 Ref 20.00 dE		➡ Trig: Free Run #Atten: 30 dB	Avg Hold: 1	Mkr3 2.39	туре Det P P P P P P 90 000 GHz 4.782 dBm	Auto Tun
							Center Fre 2.352000000 GH
-10.0 -20.0 -30.0	2						Start Fre 2.300000000 G⊦
-40.0 -50.0		يور يەرىپىلىرىكى ئەرىپىلىرىيە يەرىپىلىرىكى ئەھلىرىيە يەرىپىلىرىكى ئەھلىرىيە يەرىپىلىرىكى ئەھلىرىيە يەرىپىلىرىكى ئىرىكى ئەرىپىلىرىكى ئەرىپىلىرىكى ئەرىپىلىرىكى ئەھلىرىكى ئەھلىرىكى ئەرىپىلىرىكى ئەھلىرىكى ئەھلىرىكى ئەھلىرىكى ئە	2764.4247-12427-12427-1246-1-4-12-12-12-12-12-12-12-12-12-12-12-12-12-	มาไรกรุงมะที่ ระสมไ รเล่าสีว่าสีว่าสีว่าสีว่าสีว่า	hertuisseeniteristaatus ku	3	Stop Fre
	00000 GHz V 1.0 MHz	#\/B	W 3.0 MHz			2.40400 GHz ms (8001 pts)	2.404000000 GH
MKR MODE	TRC SCL	× 2.401 855 GHz	۲ -3.722 dBm		•		10.400000 MH <u>Auto</u> Ma
2 N 3 N 4 5	f f	2.310 000 GHz 2.390 000 GHz	-44.062 dBm -44.782 dBm				Freq Offse 0 H
6 7 8 9 10							
11 MSG			III			×	
	Restrict-ba	nd band-edg	e measureme	ents_Hoppi	ng Off_ GF	SK_Avera	ge
LXI RL		AC	SENSE:PULSE			3:27 AM Dec 25, 2017	Frequency
Center	req 2.352000	000 GHz PNO: Fast ← IFGain:Low	► Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 1		TRACE 123456 TYPE MWWWWW DET PPPPP	Trequency
10 dB/div	Ref Offset 7.01 Ref 20.00 dE					90 000 GHz 4.982 dBm	Auto Tuno
10.00							Center Fre 2.352000000 GH
-10.0						Å	Start Free
-40.0	2					♦3	2.300000000 GH
							2.404000000 GH
-60.0					Oton	2.40400 GHz	CE Oto
-70.0 Start 2.3 #Res BV	0000 GH2 1.0 MHz		W 10 Hz		Sweep 8.10	9 s (8001 pts)	CF Step 10.400000 MH <u>Auto</u> Mar
-70.0		#VB 2.401 998 GHz 2.310 000 GHz 2.390 000 GHz			Sweep 8.10		10.400000 MH

Agilent Spectrum Analyzer - 5 VI RL RF 50 Center Freq 2.489	DQ AC	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr	11:57:30 AM Dec 25, 2017 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 10/10	TYPE MWWWWW DET PPPPP	
Ref Offset			Mkr3 2.5	00 000 00 GHz -44.520 dBm	Auto Tu
10 dB/div Ref 20.00				-44.020 dBill	
					Center Fr 2.489000000 G
-10.0					
-20.0					Start Fr
-30.0	<u>\</u> 2			3	2.478000000 G
-50.0	Management and the second s	i na	n inter liger States i føl niget skiller i som en states i som en states er states er som er som er som er som	والمتعادية والمراجع والمتعالية والمتعالية والمتعالية والمتعالية	
-60.0					Stop Fr 2.50000000 G
-70.0					
Start 2.47800 GHz #Res BW 1.0 MHz	#VE	3W 3.0 MHz		Stop 2.50000 GHz 067 ms (8001 pts)	CF Ste 2.200000 M
MKR MODE TRC SCL	X	Y F	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
1 N f 2 N f	2.479 812 25 GHz 2.483 500 00 GHz	-3.520 dBm -44.739 dBm			Freq Offs
3 N f 4 5	2.500 000 00 GHz	-44.520 dBm			
6					
8					
10				×	
MSG				>	
			I STATUS		
Restrict-	-band band-edd	ge measureme		GFSK Averac	le
		ge measureme	to status	_GFSK_Averaç	je
Agilent Spectrum Analyzer - S (X) RL RF 50	Swept SA			11:57:42 AM Dec 25, 2017	je Frequency
Agilent Spectrum Analyzer - S	Swept SA	SENSE:PULSE	nts_Hopping Off_		
Agilent Spectrum Analyzer - 5 04 RL RF 50 Center Freq 2.489	Swept SA D Q AC OOOOOOO GHz PNO: Fast IFGain:Low	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	
Agilent Spectrum Analyzer - S IXI RL RF 50	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P	Frequency
Agilent Spectrum Analyzer - 5 (A) RL RF 50 Center Freq 2.489 Ref Offset 10 dB/div Ref 20.00 10.0	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	Frequency Auto Tur Center Fre
Agilent Spectrum Analyzer - 5 XI RL RF 50 Center Freq 2.489 Ref Offset 10 dB/div Ref 20.00 10.0 0.00 0.1	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	Frequency Auto Tu
Agilent Spectrum Analyzer - 5 Val RL RF 50 Center Freq 2.489 Ref Offset 10 dB/div Ref 20.00 10.0	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	Frequency Auto Tur Center Fre 2.489000000 G
Agilent Spectrum Analyzer - 5 XI RL RF 50 Center Freq 2.4890 Center Freq 2.4890 Ref Offset 10 dB/div Ref 20.00 10.0 10.0 10.0 10.0	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	Frequency Auto Tur Center Fre
Agilent Spectrum Analyzer - 5 (X) RL RF 50 Center Freq 2.489 10 dB/div Ref 20.01 10.0 -10.0 -20.0 -30.0 -40.0	Swept SA 20 AC	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42 AM Dec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P 00 000 00 GHz	Frequency Auto Tur Center Fre 2.48900000 G Start Fre
Agilent Spectrum Analyzer - 5 XI RL RF 50 Center Freq 2.489 Ref Offset 10 dB/div Ref 20.00 10.0 0.00 -10.0 -20.0 -30.0	Swept SA DQ AC DOUCLOOR GHZ PNO: Fast IFGain:Low 7.01 dB	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42AM Dec 25, 2017 TRACE 12:3 4 5 6 TYPE MWWWW DET P P P P P P 00 000 00 GHz -54.591 dBm	Frequency Auto Tur Center Fre 2.48900000 G Start Fre 2.47800000 G
Agilent Spectrum Analyzer - 5 (X) RL RF 50 Center Freq 2.489 10 dB/div Ref Offset 10 dB/div Ref 20.00 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0	Swept SA 20 AC	sense:Pulse	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10	11:57:42AM Dec 25, 2017 TRACE 12:3 4 5 6 TYPE MWWWW DET P P P P P P 00 000 00 GHz -54.591 dBm	Frequency Auto Tur Center Fre 2.489000000 Gi Start Fre 2.478000000 Gi
Agilent Spectrum Analyzer - 5 (M RL RF 50 Center Freq 2.489) Ref Offset 10 dB/div Ref 20.00 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0 Start 2.47800 GHz	Swept SA D Q AC PNO: Fast IFGain:Low 7.01 dB 0 dBm	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	111:57:42 AM Dec 25, 2017 TRACE [1] 2 3 4 5 6 TYPE M WWWW Det P P P P P P 00 000 00 GHz -54.591 dBm 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G
Agilent Spectrum Analyzer - 5 (W) RL RF 50 Center Freq 2.489 10 dB/div Ref Offset 10 dB/div Ref 20.00 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.47800 GHz #Res BW 1.0 MHz	Swept SA DO AC PNO: Fast IFGain:Low 7.01 dB 0 dBm 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M
Agilent Spectrum Analyzer - 5 XI RF SC Center Freq 2.489 Ref Offset 10 dB/div Ref Offset 10 dB/div Ref Offset 10 dB/div Ref Offset 10.0 1 -20.0 1 -30.0 1 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -50.0 -70.0 -50.0 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 N	Swept SA DO00000 GHz PNO: Fast IFGain:Low 7.01 dB 0 dBm 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42 AM Dec 25, 2017 TRACE [] 2 3 4 5 6 TYPE M WWWW Det P P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M
Agilent Spectrum Analyzer - 5 Center Freq 2.489 Ref Offset Log 10.0 0.00 -10.0 -20.0 -30.0 -60.0 -60.0 -70.0 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 F 3 F	Swept SA DO00000 GHz PNO: Fast IFGain:Low 7.01 dB 0 dBm 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M Auto M Freq Offs
Agilent Spectrum Analyzer Start XM RL RF Start Center Freq 2.4891 Ref Offset Ref Offset 10 dB/div Ref 20.01 Log 1 1 10.0 1 1 0.00 1 1 -10.0 1 1 -20.0 1 1 -40.0 1 1 -50.0 - - -60.0 - - -70.0 - - Start 2.47800 GHz #Res BW 1.0 MHz	Swept SA D Q AC D PNO: Fast IFGain:Low 7.01 dB 0 dBm 2.479 971 75 GHz 2.483 500 00 GHz	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M Auto M
Agilent Spectrum Analyzer - S Center Freq 2.4891 Ref Offset 10 dB/div Ref Offset Log 10 10.0 1 -20.0 1 -30.0 1 -50.0 - Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 1 7 3 7 4 5 5 6 6 6 7 8 9	Swept SA D Q AC D PNO: Fast IFGain:Low 7.01 dB 0 dBm 2.479 971 75 GHz 2.483 500 00 GHz	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M Auto M Freq Offs
Agilent Spectrum Analyzer - 5 24 RL RF 50 Center Freq 2.489 Ref Offset 10 dB/div Ref 20.00 10.0 10.0 -10.0 -10.0 -10.0 -20.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -50.0 -60.0 -70.0 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 N f 3 N f 3 N f 3 N f 4 5 5 5 6 6 7 8 9 9 10	Swept SA D Q AC D PNO: Fast IFGain:Low 7.01 dB 0 dBm 2.479 971 75 GHz 2.483 500 00 GHz	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12:3 4 5 6 TYPE MWWWW DET P P P P P 00 000 00 GHz -54.591 dBm 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M Auto M Freq Offs
Agilent Spectrum Analyzer - 5 K RL RF SC Center Freq 2.4891 Ref Offset 10 dB/div Ref 20.01 Ogg 1 1 0.00 1 1 -20.0 1 1 -30.0 1 1 -40.0 1 1 -50.0 1 1 -60.0 -70.0 1 1 Start 2.47800 GHz #Res BW 1.0 MHz MKR MODE TRC SCL 1 N f 3 N f 3 N f 3 8 9 9 9 9 9	Swept SA D Q AC D PNO: Fast IFGain:Low 7.01 dB 0 dBm 2.479 971 75 GHz 2.483 500 00 GHz	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 5/10 Mkr3 2.5	11:57:42AM Dec 25, 2017 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P 00 000 00 GHz -54.591 dBm 3 3 5top 2.50000 GHz 1.716 s (8001 pts)	Frequency Auto Tur Center Fre 2.489000000 G Start Fre 2.478000000 G Stop Fre 2.500000000 G CF Ste 2.200000 M Auto M Freq Offs

	Ω AC	SENSE:PULSE	ALIGNAUTO	01:32:22 PMDec 25, 2017	Frequency	
Center Freq 2.3570	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 10/10	TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET P P P P P P	Frequency	
Ref Offset		#Atten: 30 dB	Mkr3	2.390 000 GHz -44.144 dBm	Auto Tu	
10.0 0.00				{	Center Fr 2.357000000 G	
-10.0				▲3	Start Fr 2.310000000 G	
-40.0)	\$	nith anti-sector to a sector of a sector of an	n.m. Årisenti, stranta i verdes det	anterniheti ministrati attesti	Stop Fr 2.404000000 G	
-70.0 Start 2.31000 GHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Stop 2.40400 GHz 067 ms (8001 pts)	CF St e 9.400000 M	
MKR MODE TRC SCL	X		INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M	
1 N f 2 N f 3 N f 4 5 6	2.401 803 GHz 2.310 000 GHz 2.390 000 GHz	-3.071 dBm -44.201 dBm -44.144 dBm			Freq Offs 01	
7 8 8 9 10						
11						
Restrict-ba	nd band-edge r	neasurements_	Kostatus _Hopping Off_π/		rage	
Restrict-bai	wept SA Ω AC 000000 GHz PN0: Fast •	SENSE:PULSE			rage Frequency	
Restrict-bai	wept SA Ω AC 000000 GHz PN0: Fast • IFGain:Low 7.01 dB	SENSE:PULSE	_Hopping Off_π/ ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10	4-DQPSK_Ave 01:32:34 PMDec 25, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW		
Restrict-bai	wept SA Ω AC 0000000 GHz PN0: Fast • IFGain:Low 7.01 dB	SENSE:PULSE	_Hopping Off_π/ ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10	4-DQPSK_Ave	Frequency	
Agilent Spectrum Analyzer - S W RL RF 50 Center Freq 2.3570 Ref Offset 10 dB/div Ref 20.000 10.0	wept SA Ω AC 0000000 GHz PN0: Fast • IFGain:Low 7.01 dB	SENSE:PULSE	_Hopping Off_π/ ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10	4-DQPSK_Ave	Frequency Auto Tur Center Fre	
Agilent Spectrum Analyzer - S VI RF SO Center Freq 2.3570 SO 10 dB/div Ref Offset 10.0 SO -10.0 SO -20.0 SO	wept SA Ω AC 0000000 GHz PN0: Fast • IFGain:Low 7.01 dB	SENSE:PULSE	_Hopping Off_π/ ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 1/10	4-DQPSK_Ave	Frequency Auto Tur Center Fre 2.357000000 GI Start Fre	
Restrict-ban Agilent Spectrum Analyzer - S Mg RE SO Center Freq 2.3570 Conter Freq 2.3570 Ref Offset Conter Freq 2.3570 Conter Freq 2.3570 <td>Swept SA IQ AC Image: Second secon</td> <td>SENSE:PULSE</td> <td>_Hopping Off_π/ Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 1/10 Mkr3</td> <td>4-DQPSK_Ave</td> <td>Frequency Auto Tur Center Fre 2.357000000 Gl 2.310000000 Gl Stop Fre 2.404000000 Gl CF Ste 9.400000 M</td>	Swept SA IQ AC Image: Second secon	SENSE:PULSE	_Hopping Off_π/ Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 1/10 Mkr3	4-DQPSK_Ave	Frequency Auto Tur Center Fre 2.357000000 Gl 2.310000000 Gl Stop Fre 2.404000000 Gl CF Ste 9.400000 M	
Restrict-bai Agilent Spectrum Analyzer - S XI RF 50 Center Freq 2.3570 Ref Offset 50 Conter Freq 2.3570 Ref Offset 50 Io dB/div Ref Offset 60.00 -10.0	Swept SA Image: SA D000000 GHz PN0: Fast · IFGain:Low 7.01 dB DdBm	SENSE:PULSE	_Hopping Off_π/ Augnauto Avg Type: Log-Pwr Avg Hold: 1/10 Mkr3	4-DQPSK_Ave	Frequency Auto Tur Center Fre 2.357000000 Gl 2.310000000 Gl Stop Fre 2.404000000 Gl CF Ste 9.400000 M	
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