

••	ed Band Edge Plot (5	M DW C11.20005	Q1 51(_10255_0) 5	
Jie Agilent Spectrum Analyzer - Channel Power				
XX         RF         50 Ω         AC           Center Freq 1.916500000 GHz	SENSE:INT Center Freq: 1.91650000	ALIGN AUTO	08:09:10 PM Jun 06, 2019 Radio Std: None	Frequency
		Avg Hold: 300/300	rtudio ota. Hone	
#IFGain:Low	#Atten: 10 dB		Radio Device: BTS	
Ref Offset 27.5 dB 10 dB/div Ref 30.00 dBm				
20.0				Center Freq
20.0				
10.0				1.916500000 GHz
0.00				
-10.0				
-20.0				
-30.0				
-40.0				
-50.0				
-60.0				CF Step
				400.000 kHz
Center 1.917 GHz Res BW 39 kHz	VBW 390 kHz		Span 4 MHz Sweep 3.2 ms	<u>Auto</u> Man
Channel Power	Power S	pectral Dens	ity	Freq Offset 0 Hz
-31.67 dBm / 1 мнz	-91	1.67 dBm	/Hz	
MSG			S	

#### BAND 2. Upper Extended Band Edge Plot (5M BW Ch.26665 QPSK\_RB255\_0) -3





	trum Analyzer - Swept S	SA	or Dania		. (2011 2			RB1_Offse	, _	_	
Center F	RF 50 Ω req 1.915000	000 GHz	Z D: Wide ↔→ ain:Low			#Avg Typ	ALIGN AUTO e: RMS		M Jun 06, 2019 E <b>1 2 3 4 5 6</b> E A WWWWW T A A A A A A		uency
10 dB/div Log	Ref Offset 27.5 Ref 27.50 dE	dB 3m					Mkr1	1.915 0 -26.8	00 GHz 79 dBm	A	uto Tune
17.5			$\bigcap$								<b>nter Freq</b> 00000 GHz
-2.50											<b>Start Freq</b> 00000 GHz
-12.5				1	1				-13.00 dBm		Stop Freq
-32.5										40 Auto	<b>CF Step</b> 00.000 kHz Man
-52.5							and the second second second		RMS	Fr	e <b>q Offset</b> 0 Hz
	915000 GHz							Span 4.	000 MHz		
#Res BW	100 KHZ		#VBW	300 kHz			#Sweep	1.000 s (	1001 pts)		

#### BAND 2. Upper Band Edge Plot (10M BW Ch.26640 QPSK\_RB1\_Offset 49) -1





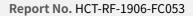
	n Analyzer - Swept SA		cruce	TAIT		00-16-50 DM 3	- F
	RF 50 Ω AC <b>q 1.915000000</b>	GHz PNO: Wide ↔ IFGain:Low	SENSE: Trig: Free Ro #Atten: 10 d	#A un	ALIGN AUTO	08:16:50 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	
R 10 dB/div R Log	ef Offset 27.5 dB ef 27.50 dBm				Mkr1	1.915 008 GHz -29.776 dBm	Auto Tune
17.5							Center Freq 1.915000000 GHz
2.50							Start Fred 1.913000000 GHz
12.5						-13.00 dBm	Stop Fred 1.917000000 GHz
42.5			1		and the second	RMS	CF Step 400.000 kH <u>Auto</u> Mar
52.5							Freq Offse 0 H
-62.5	5000 GHz					Span 4.000 MHz	
#Res BW 10		#VBW	300 kHz		#Sweep	1.000 s (1001 pts)	

#### BAND 2. Upper Band Edge Plot (10M BW Ch.26640 QPSK\_RB50\_Offset 0) -2



	um Analyzer - Channel Po	wer		•	J QPSK_RB50_0) -3	
	RF 50 Ω AC 2q 1.91650000	0 GHz	SENSE:INT Center Freq: 1.9165 Trig: Free Run #Atten: 10 dB	ALIGN AUTO 00000 GHz Avg Hold: 300/300	08:17:01 PM Jun 06, 2019 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 27.5 Ref 30.00 dE					
20.0 10.0 -10.0 -20.0 -30.0 -50.0						Center Freq 1.916500000 GHz
-60.0 Center 1.9 Res BW 39			VBW 390 k	Hz	Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz <u>Auto</u> Man
Chann	el Power		Powe	r Spectral Dens	sity	Freq Offset 0 Hz
-2	7.37 dBm	/ 1 MHz		-87.37 dBm	/Hz	
MSG				<b>Ko</b> statu	s	

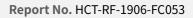
#### BAND 2. Upper Extended Band Edge Plot (10M BW Ch.26640 QPSK\_RB50\_0) -3





8, 118 21	opper band Edge i tot	(15M BW Ch.26615 QPS		
📕 Agilent Spectrum Analyzer - Swept SA				
X         RL         RF         50 Ω         AC           Center Freq 1.915000000		BE:INT ALIGN AU #Avg Type: RMS Run		Frequency
	IFGain:Low #Atten: 10		DET A A A A A A	
Ref Offset 27.5 dB 10 dB/div Ref 27.50 dBm		M	kr1 1.915 004 GHz -30.341 dBm	Auto Tune
17.5				Center Freq 1.915000000 GHz
-2.50				Start Freq 1.913000000 GHz
-12.5			-13.00 dBm	<b>Stop Freq</b> 1.917000000 GHz
-32.5		1		CF Step 400.000 kHz <u>Auto</u> Man
-52.5			RMS	Freq Offset 0 Hz
-62.5				
Center 1.915000 GHz #Res BW 150 kHz	#VBW 470 kHz	#Swe	Span 4.000 MHz ep 1.000 s (1001 pts)	
MSG			TATUS	

#### BAND 2. Upper Band Edge Plot (15M BW Ch.26615 QPSK\_RB1\_Offset 74) -1





	ctrum Analyzer - Swept SA			<b>TA 100</b>	-				
Center F	RF 50 Ω AC req 1.915000000	GHz PNO: Wide ↔ IFGain:Low	Trig: Free R #Atten: 10 d	un	#Avg Type	LIGN AUTO : RMS		M Jun 06, 2019 E 1 2 3 4 5 6 E A WWWWW T A A A A A A A	Frequency
10 dB/div Log	Ref Offset 27.5 dB Ref 27.50 dBm					Mkr1	1.915 0 -31.29	00 GHz 93 dBm	Auto Tu
17.5									<b>Center Fr</b> 1.915000000 G
-2.50									<b>Start Fr</b> 1.913000000 G
-12.5								-13.00 dBm	<b>Stop Fr</b> 1.917000000 G
-32.5			m 1					RMS	<b>CF St</b> e 400.000 kl <u>Auto</u> M
52.5									Freq Offs 0
	915000 GHz						Span 4.	000 MHz	
#Res BW	150 kHz	#VBW	470 kHz			Sweep	1.000 s (	1001 pts)	

#### BAND 2. Upper Band Edge Plot (15M BW Ch.26615 QPSK\_RB75\_Offset 0) -2



	rum Analyzer - Channel Po				5 QPSK_RB75_0) -3	
Center Fr	RF 50 Ω AC eq 1.91650000	00 GHz	SENSE:INT Center Freq: 1.91650 → Trig: Free Run #Atten: 10 dB	ALIGN AUTO 00000 GHz Avg Hold: 300/300	08:24:52 PM Jun 06, 2019 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 27.5 Ref 30.00 dE					
20.0 10.0 0.00						Center Freq 1.916500000 GHz
-10.0 -20.0 -30.0 -40.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
-50.0 -60.0 Center 1.9 Res BW 3			VBW 390 ki	H7	Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz <u>Auto</u> Man
	el Power			r Spectral Dens		Freq Offset 0 Hz
-3	0.05 dBm	) / 1 MHz	-	90.05 dBm	/Hz	
MSG				STATU	s	

### BAND 2. Upper Extended Band Edge Plot (15M BW Ch.26615 QPSK\_RB75\_0) -3



	(DI_OIISet 55) I			ND 2. Upper Band Edg	BRIND 2	
					nt Spectrum Analyzer - Swept SA	
Frequency	08:33:10 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A A	ALIGN AUTO	SENSE:INT	0000 GHz	er Freq 1.91500000	Center F
Auto Tune			tten: 10 dB			
Auto Tune	1.915 000 GHz -31.904 dBm	Mkr1		5 dB Bm	Ref Offset 27.5 dB div Ref 27.50 dBm	10 dB/div Log
Center Freq 1.915000000 GHz						17.5
<b>Start Freq</b> 1.913000000 GHz						-2.50
<b>Stop Freq</b> 1.917000000 GHz	-13.00 dBm					-12.5
CF Step 400.000 kHz <u>Auto</u> Man						-32.5
<b>Freq Offset</b> 0 Hz	RMS					-42.5
						-62.5
	Span 4.000 MHz 1.000 s (1001 pts)	#Sweep	0 kHz	#VBW 62	er 1.915000 GHz BW 200 kHz	
						MSG

#### BAND 2. Upper Band Edge Plot (20M BW Ch.26590 QPSK\_RB1\_Offset 99) -1



	BRIND 2: C	Jpper Band I			CII.2033		B100_01	set 0) -2	
	rum Analyzer - Swept SA								
	RF 50 Ω AC eq 1.915000000	GHz PNO: Wide ↔		SE:INT	#Avg Typ	ALIGN AUTO	08:32:33 P TRAC TYF	M Jun 06, 2019 E 1 2 3 4 5 6 A WWWWW T A A A A A A	Frequency
		IFGain:Low	#Atten: 10			Mked		00 GHz	Auto Tune
10 dB/div Log	Ref Offset 27.5 dB Ref 27.50 dBm					WIKT	-31.5	99 dBm	
17.5									<b>Center Freq</b> 1.915000000 GHz
7.50									Start Freq
-2.50									1.913000000 GHz
-12.5								-13.00 dBm	<b>Stop Freq</b> 1.917000000 GHz
-32.5				1					CF Step 400.000 kHz
-42.5							997 1079 920	RMS	Auto Man
-52.5									Freq Offset 0 Hz
-62.5									
Center 1.9 #Res BW 2	15000 GHz 200 kHz	#VBW	620 kHz			#Sweep	Span 4 1.000 s (	.000 MHz 1001 pts)	
MSG						To STATUS			

### BAND 2. Upper Band Edge Plot (20M BW Ch.26590 QPSK\_RB100\_Offset 0) -2



	rum Analyzer - Channel Powe	· ·			QPSK_RB100_0)-3	
Center Fro	RF   50 Ω AC   eq 1.916500000	GHz #IFGain:Low	SENSE:INT Center Freq: 1.91650 Trig: Free Run #Atten: 10 dB	ALIGN AUTO 00000 GHz Avg Hold: 300/300	08:32:44 PM Jun 06, 2019 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 27.5 dE Ref 30.00 dBm					
Log 20.0 10.0 -10.0 -20.0						Center Freq 1.916500000 GHz
-30.0 -40.0 -50.0 -60.0 Center 1.9 Res BW 33			VBW 390 ki	Hz	Span 4 MHz Sweep 3.2 ms	CF Step 400.000 kHz <u>Auto</u> Man
Chann	el Power		Power	Spectral Dens	sity	Freq Offset 0 Hz
-3	0.50 dBm	/ 1 MHz	-	90.50 dBm	/Hz	
MSG				<b>K</b> STATU	s	

#### BAND 2. Upper Extended Band Edge Plot (20M BW Ch.26590 QPSK\_RB100\_0) -3



571		eteu opunous	_1 (200410	h_1.4MHz_QI	5K_KB 1_0/	
Agilent Spectrum Analyzer - Swept SA			-1			
x RL RF 50 Ω AC Center Freq 5.015000000	PNO: Fast ↔	Trig: Free Run #Atten: 10 dB	#Avg	ALIGN AUTO g Type: RMS	07:48:23 PM Jun 06, 201 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A	6 Frequency
10 dB/div Ref 0.00 dBm	IFGall.Low			Mk	r1 7.401 8 GH -67.500 dBn	Auto Tune
-og 22.0 20.0 30.0						Center Fre 5.015000000 GH
40.0				1		Start Fre 30.000000 MH
70.0 80.0 90.0	~~~		a for a subscription of the subscription of th		and the second	Stop Fre 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBV	₩ 3.0 MHz	FUNCTION	Sweep 17	Stop 10.000 GH .33 ms (20001 pts	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 f 7	401 8 GHz 851 0 GHz	-67.500 dBm -4.475 dBm	PONCTION	PONCTION WIDTH	FORCHON VALUE	Freq Offse 0 ⊦
6						
11		m,			•	
SG				I STATUS		

# BAND 2. Conducted Spurious\_1 (26047ch\_1.4MHz\_QPSK\_RB 1\_0)



	В	AND 2. Conduct	ed Spurious_2 (2	26047ch_1.4MHz_Q	PSK_RB1_0)	
	ctrum Analyzer - Swept SA					
Center F	req 15.000000		SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:48:39 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	Frequency
10 dB/div	Ref -20.00 dBr		#Atten: 0 db	Mkr1	18.924 22 GHz -82.781 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0		,				CF Step 1.000000000 GHz <u>Auto</u> Man
-100						<b>Freq Offset</b> 0 Hz
-110	000 GH7				Stop 20.000 GHz	
#Res BW		#VBW	3.0 MHz	22 SW45	6.67 ms (40000 pts)	
MSG					3	

### BAND 2. Conducted Spurious\_2 (26047ch\_1.4MHz\_QPSK\_RB 1\_0)



DAI		Lieu Spurious	_1 (203030	h_1.4MHz_Q	PSK_RD 1_0)	
Agilent Spectrum Analyzer - Swept SA			_			
RL RF 50 Ω AC Center Freq 5.015000000	PNO: Fast +	Trig: Free Run #Atten: 10 dB	#Avg	ALIGN AUTO g Type: RMS	07:51:32 PM Jun 06, 201 TRACE 1 2 3 4 5 TYPE A A A A A DET A A A A A	Frequency
10 dB/div Ref 0.00 dBm	IFGain:Low	#Atten: 10 dB		Mk	r1 7.528 9 GHz -72.181 dBm	Auto Tune
-10.0 -20.0 -30.0						Center Frec 5.015000000 GHz
-40.0						Start Free 30.000000 MH
-70.0 -80.0 -90.0	~~~~~				RM	Stop Fred 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	V 3.0 MHz	FUNCTION	Sweep 17	Stop 10.000 GHz 33 ms (20001 pts)	CF Step 997.000000 MH <u>Auto</u> Ma
1 N 1 f 7.	528 9 GHz 882 4 GHz	-72.181 dBm -4.516 dBm	- Cherren			Freq Offse 0 H
6 7 8 9 10						
11 (		m		<b>I</b> o STATUS	۰ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	

# BAND 2. Conducted Spurious\_1 (26365ch\_1.4MHz\_QPSK\_RB 1\_0)



	BA	ND 2. Conducted Spu	rious_2 (26	365ch_1.4MHz_	QPSK_RB1_0)	
	ım Analyzer - Swept SA					
Center Fre	RF 50 Ω AC eq 15.00000000	PNO: Fast Trig: Fi	sense:int	ALIGN AUT #Avg Type: RMS	0 07:51:48 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div	Ref -20.00 dBm	IFGain:High #Atten:	: 0 dB	Mk	r1 18.917 22 GHz -82.996 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0						<b>CF Step</b> 1.00000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
Start 10.000					Stop 20.000 GHz	
#Res BW 1.	.0 MHz	#VBW 3.0 MH	Z	Sweep	26.67 ms (40000 pts) TUS	

### BAND 2. Conducted Spurious\_2 (26365ch\_1.4MHz\_QPSK\_RB 1\_0)



DAI	id 2. conduc	leu spunous	_1 (20083C	h_1.4MHz_QI	-2K_RD1_	0)	
Agilent Spectrum Analyzer - Swept SA			_				
RL RF 50 Ω AC Center Freq 5.015000000	PNO: Fast +	Trig: Free Rur #Atten: 10 dB	#Avg	ALIGN AUTO Type: RMS	TRACE	Jun 06, 2019           1 2 3 4 5 6           A WWWWW           A A A A A A	Frequency
10 dB/div Ref 0.00 dBm	IFGain:Low	#Atten: 10 dB		Mk	r1 3.719		Auto Tune
-10.0 -20.0 -30.0							Center Fred 5.015000000 GHz
-40.0 -50.0 -60.0							Start Free 30.000000 MH;
-70.0 -80.0 -90.0				<u> </u>		RMS	Stop Fred 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	V 3.0 MHz	FUNCTION	Sweep 17	Stop 10.0 .33 ms (20	001 pts)	CF Step 997.000000 MH <u>Auto</u> Mar
1         N         1         f         3.           2         N         1         f         1.           3         -         -         -         -           4         -         -         -         -           5         -         -         -         -         -	719 9 GHz 915 3 GHz	-77.262 dBm -4.239 dBm					Freq Offse 0 H
6 7 8 9 10							
11 ·		m		<b>K</b> STATUS		•	

# BAND 2. Conducted Spurious\_1 (26683ch\_1.4MHz\_QPSK\_RB 1\_0)



Ber -			cted Spurious_2 (.	26683ch_1.4MHz_Q	PSK_RB1_0)	
LXI RL	ectrum Analyzer - Swept S RF 50 Ω	AC	SENSE:INT	ALIGN AUTO	07:54:16 PM Jun 06, 2019	Frequency
Center F	req 15.00000	PNO: Fast +	<ul> <li>Trig: Free Run #Atten: 0 dB</li> </ul>	#Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	rrequeries
10 dB/div	Ref -20.00 dl	IFGain:High _	#Atten: 0 dB	Mkr	l 18.900 72 GHz -82.936 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0					1 RMS	<b>CF Step</b> 1.00000000 GHz <u>Auto</u> Man
-90.0						Freq Offset 0 Hz
-110						
Start 10.0 #Res BW	000 GHZ 1.0 MHz	#VB	W 3.0 MHz		Stop 20.000 GHz 6.67 ms (40000 pts)	
MSG					IS	

### BAND 2. Conducted Spurious\_2 (26683ch\_1.4MHz\_QPSK\_RB 1\_0)



Agilent Spe	ctrum Analyzer - Sw		id 2. Conu	ucted Spunot	JS_1 (26055	ch_3MHz_QP	SK_RBI_U	)	
XI RL		Ω AC	<b>GHz</b> PNO: Fast ← IFGain:Low	SENSE: → Trig: Free Ru #Atten: 10 dB	#Av	ALIGN AUTO g Type: RMS	07:56:33 PM TRACE TYPE DET	Jun 06, 2019 <b>1 2 3 4 5 6</b> A WWWWW A A A A A A	Frequency
10 dB/div	Ref 0.00 c		IFGain:Low	#Atten. 10 dt	5	Mk	(r1 7.401 -68.07	8 GHz 7 dBm	Auto Tuno
- <b>og</b> 10.0 20.0 30.0		< 2							<b>Center Fre</b> 5.015000000 GH
40.0 50.0 60.0						1			Start Fre 30.000000 M⊦
70.0 80.0 90.0				<b></b>	~,			RMS	Stop Fre 10.00000000 GH
tart 30 I Res BW	1.0 MHz	X	#VB	W 3.0 MHz	FUNCTION	Sweep 17	Stop 10.0 .33 ms (200	001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 2 2 N 3 4 5		7.4 1.8	01 8 GHz 51 0 GHz	-68.077 dBm -4.391 dBm					Freq Offs 0 F
6 7 8 9 10									
SG				m		<b>L</b> STATUS	6	<u> </u>	

# BAND 2. Conducted Spurious\_1 (26055ch\_3MHz\_QPSK\_RB 1\_0)



	BA	AND 2. Conducted S	spurious_2 (	26055CN_3MHZ_Q	PSK_RB 1_0)	
	trum Analyzer - Swept SA					
	RF 50 Ω AC req 15.00000000	DO GHz PNO: Fast +++ Trig	SENSE:INT	ALIGN AUTO #Avg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
			en: 0 dB	Mk	DET A A A A A A A	Auto Tune
10 dB/div Log	Ref -20.00 dBm				-82.806 dBm	
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.00000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-70.0					1	CF Step 1.000000000 GHz
-90.0 <b></b>						Auto Man
-100						Freq Offset 0 Hz
-110						
Start 10.0 #Res BW		#VBW 3.0 N	/IHz	Sweep 2	Stop 20.000 GHz 26.67 ms (40000 pts)	
MSG				To STAT	rus	

### BAND 2. Conducted Spurious\_2 (26055ch\_3MHz\_QPSK\_RB 1\_0)



📕 Agilent Spe	trum Analyzer - Swept		. conduc		Jus_1 (2030	5ch_3MHz_Q	PSK_KDI_U	)	
Center F	RF 50 Ω req 5.01500	0000 GH	Z O:Fast ↔ ain:Low	. Trig: Free F #Atten: 10 d	#A Run	ALIGN AUTO	TRACE TYPE	Jun 06, 2019 1 2 3 4 5 6 A WWWWW A A A A A A A	Frequency
10 dB/div	Ref 0.00 dB		ani.Low			Μ	kr1 7.525 -72.49	4 GHz 9 dBm	Auto Tune
- <b>og</b> 10.0 20.0 30.0	**	2							<b>Center Fre</b> 5.015000000 GH
40.0 50.0 60.0						1			Start Fre 30.000000 MH
70.0 80.0 90.0	and the second se	and a state of the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		and a state of the	~		RMS	<b>Stop Fre</b> 10.000000000 GH
tart 30 Res BW	MHz 1.0 MHz		#VBW	3.0 MHz		Sweep 1	Stop 10.0 7.33 ms (20	001 pts)	CF Ste 997.000000 MH Auto Ma
MKR MODE TI 2 N 3 4 5	f	× 7.525 4 1.881 9		-72.499 dBn -3.667 dBn	FUNCTION n	FUNCTION WIDT	H FUNCTION	VALUE	Freq Offse
6 7 8 9 10 11									
SG				III.		<b>K</b> ostati	us	•	

# BAND 2. Conducted Spurious\_1 (26365ch\_3MHz\_QPSK\_RB 1\_0)



	BA	AND 2. Conduct	ed Spurious_2 (2	26365ch_3MHz_QF	'SK_RB 1_0)	
	rum Analyzer - Swept SA					
	RF 50 Ω AC eq 15.00000000	00 GHz PNO: Fast	SENSE:INT	ALIGN AUTO #Avg Type: RMS	07:59:47 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A	Frequency
		IFGain:High	#Atten: 0 dB	Mkr	DET A A A A A A A A A A A A A A A A A A A	Auto Tune
10 dB/div Log	Ref -20.00 dBm				-82.882 dBm	
-30.0						Center Freq 15.00000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0					1 RMS	<b>CF Step</b> 1.000000000 GHz <u>Auto</u> Man
-90.0			Statute and a statute of the statute			
-100						Freq Offset 0 Hz
-110						
Start 10.00 #Res BW 1		#VBW 3	.0 MHz	Sweep 20	Stop 20.000 GHz 5.67 ms (40000 pts)	
MSG				Ko STATU	S	

### BAND 2. Conducted Spurious\_2 (26365ch\_3MHz\_QPSK\_RB 1\_0)



Agilent Spe	ctrum Analyzer - Swer		2. Conduc	cted Spurio	ous_1 (26675	5ch_3MHz_QP	SK_RB1_	.0)	
X RL	RF 50 Ω req 5.01500	AC 00000 GH PN	Z Ю: Fast ↔ Gain:Low	SENS	#Av Run	ALIGN AUTO		M Jun 06, 2019 E 1 2 3 4 5 6 E A WWWWW T A A A A A A A	Frequency
10 dB/div	Ref 0.00 di		Sain:Low	#Atten: 10		Mł	(r1 3.714		Auto Tune
-10.0 -20.0 -30.0	X	2							Center Free 5.015000000 GH
-40.0 -50.0 -60.0									Start Fre 30.000000 MH
-70.0 -80.0 -90.0			, <sup>1</sup> .			~~~~		RMS	Stop Fre 10.000000000 GH
Start 30 M Res BW	1.0 MHz	X	#VBW	3.0 MHz	FUNCTION	Sweep 17	.33 ms (2	.000 GHz 0001 pts)	CF Ste 997.000000 MH <u>Auto</u> Ma
1 N 1 2 N 1 3 4 5	f	3.714 / 1.915 (		-77.153 dBr -4.743 dBr	n				Freq Offse 0 H
6 7 8 9 10 11									
ISG				m,		to statu:	5		

# BAND 2. Conducted Spurious\_1 (26675ch\_3MHz\_QPSK\_RB 1\_0)



		AND 2. Conduct	ted Spurious_2	(26675ch_3MHz_Q	PSK_RB1_0)	
LXI RL	ectrum Analyzer - Swept SA RF 50 Ω AC Freq 15.00000000	PNO: Fast +++	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO	08:02:15 PM Jun 06, 2019 TRACE <b>1 2 3 4 5 6</b> TYPE A WWWW DET A A A A A A	Frequency
10 dB/div	Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mkr	1 18.913 72 GHz -82.756 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						<b>Start Freq</b> 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0					1 RMS	<b>CF Step</b> 1.00000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
-110					Stop 20 000 CH	
Start 10.0 #Res BW		#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 26.67 ms (40000 pts) <sup>US</sup>	

## BAND 2. Conducted Spurious\_2 (26675ch\_3MHz\_QPSK\_RB 1\_0)



Agilent Spe	ctrum Analyzer - Swept SA		ucted Spurious	5_1 (20005		SK_KB 1_0)	
KI RL	RF 50 Ω A Treq 5.0150000	C	SENSE:IN → Trig: Free Rur #Atten: 10 dB	#Avg	ALIGN AUTO g Type: RMS	08:04:31 PM Jun 06, 201 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A	9 Frequency
10 dB/div	Ref 0.00 dBm		writen. To db		Mk	r1 7.401 8 GHz -68.743 dBm	Auto Tune
10.0 20.0 30.0	*2						Center Fre 5.015000000 GH
40.0 50.0 60.0					1		Start Fre 30.000000 M⊦
70.0 80.0 90.0				y		RM	<b>Stop Fre</b> 10.00000000 G⊦
tart 30 I Res BW	1.0 MHz	#VB	W 3.0 MHz	FUNCTION	Sweep 17	Stop 10.000 GHz .33 ms (20001 pts	CF Ste 997.000000 MH <u>Auto</u> Ma
3 4 5	1 f 1 f	7.401 8 GHz 1.851 0 GHz	-68.743 dBm -4.200 dBm				Freq Offso 0 H
6 7 8 9 10							
SG			m			•	

# BAND 2. Conducted Spurious\_1 (26065ch\_5MHz\_QPSK\_RB 1\_0)



	BAN	ND 2. Conduct	ed Spurious_2	(26065ch_5MHz_QI	<sup>2</sup> SK_RB 1_0)	
🎉 Agilent Spectrum An						
Center Freq 1	50 Ω AC 5.000000000		SENSE:INT	ALIGN AUTO #Avg Type: RMS	08:04:47 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A	Frequency
		PNO: Fast +++ IFGain:High	#Atten: 0 dB		DET A A A A A A	
10 dB/div Ref	-20.00 dBm			Mkr	1 18.874 97 GHz -83.099 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						<b>Start Freq</b> 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.00000000 GHz
-80.0					FMS	<b>CF Step</b> 1.00000000 GHz <u>Auto</u> Man
-90.0						
-100						Freq Offset 0 Hz
-110						
Start 10.000 GI #Res BW 1.0 M		#VBW 3	3.0 MHz	Sweep 2	Stop 20.000 GHz 6.67 ms (40000 pts)	
MSG				<b>K</b> STATL	IS	

### BAND 2. Conducted Spurious\_2 (26065ch\_5MHz\_QPSK\_RB 1\_0)



A ailant Sac	ctrum Analyzer - Sw		id 2. Conu	ucted Spurio	us_1 (20305	ch_5MHz_QP	SK_KD 1_0)		
XI RL		Ω AC	GHz PNO: Fast ← IFGain:Low	Trig: Free R #Atten: 10 d	#Av un	ALIGN AUTO g Type: RMS	08:07:23 PM Jun 0 TRACE 1 2 TYPE A W DET A A	3456	Frequency
10 dB/div	Ref 0.00 c	lBm	IFGain:Low	#Attent To u		Mk	r1 7.522 0 ( -71.099 d	GHz IBm	Auto Tune
20.0		(2							Center Fre 5.015000000 GH
40.0 50.0 60.0						1-			Start Fre 30.000000 M⊦
70.0 80.0 90.0					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			RMS	<b>Stop Fre</b> 10.00000000 GF
tart 30 f Res BW	1.0 MHz	X	#VB	W 3.0 MHz	FUNCTION	Sweep 17	Stop 10.000 .33 ms (20001	pts)	CF Ste 997.000000 MH Luto Ma
1 N 2 2 N 3 4 5			22 0 GHz 80 9 GHz	-71.099 dBm -5.277 dBm					Freq Offs 0 F
6 7 8 9 10									
sg				ш		to statu:	\$	•	

# BAND 2. Conducted Spurious\_1 (26365ch\_5MHz\_QPSK\_RB 1\_0)



		SAND 2. Conduc	ted Spurious_2	(26365ch_5MHz_Q	PSK_RB 1_0)	
LXI RL	ctrum Analyzer - Swept SA RF 50 Ω AC Treq 15.0000000	000 GHz PNO: Fast ↔ IFGain:High	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	08:07:40 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Log	Ref -20.00 dBm		#Atten: 0 db	Mkr	1 18.913 97 GHz -82.816 dBm	Auto Tune
-30.0						Center Freq 15.00000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0					1 RMS	CF Step 1.000000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
-110 Start 10.0					Stop 20.000 GHz	
#Res BW		#VBW	3.0 MHz	Sweep 2	6.67 ms (40000 pts)	

### BAND 2. Conducted Spurious\_2 (26365ch\_5MHz\_QPSK\_RB 1\_0)



A cileat Con	terre Analana - C		ND 2. Cond	ucted Spuric	ous_1 (26665	ch_5MHz_QP	SK_RB 1_0	)	
X RL	rtum Analyzer - S RF 50 Req 5.015	Ω AC	PNO: Fast +	SENSE → Trig: Free F #Atten: 10 of	#Av Run	ALIGN AUTO g Type: RMS		Jun 06, 2019 <b>1</b> 2 3 4 5 6 A 4 4 4 4 4 4	Frequency
10 dB/div	Ref 0.00	dBm	IFGain:Low	#Atten: 10 d	18	Mk	r1 3.701		Auto Tune
-10.0 -20.0 -30.0		¥2							<b>Center Free</b> 5.015000000 GH
40.0 50.0 60.0									Start Fre 30.000000 MH
70.0 80.0 90.0		1			****			RMS	<b>Stop Fre</b> 10.000000000 GH
Start 30 M Res BW	1.0 MHz	X	#VB	W 3.0 MHz	FUNCTION	Sweep 17	Stop 10.0 .33 ms (20	001 pts)	<b>CF Ste</b> 997.000000 MH <u>Auto</u> Ma
1 N 1 2 N 1 3 4 5			701 0 GHz 915 3 GHz	-76.778 dBn -4.539 dBn	n n				Freq Offse 0 H
6 7 8 9 10 11									
SG				III.			\$		

# BAND 2. Conducted Spurious\_1 (26665ch\_5MHz\_QPSK\_RB 1\_0)



	BAND 2. Conducted Sp				
Agilent Spectrum Analyzer - Swept SA           IXI         RL         RF         50 Ω         AG		SENSE:INT	ALIGN AUTO	08:10:08 PM Jun 06, 2019	
Center Freq 15.000000	000 GHz PNO: Fast Trig: I		vg Type: RMS	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBi	m		Mkr1	18.916 47 GHz -82.975 dBm	Auto Tune
-30.0					Center Freq 15.000000000 GHz
-40.0					<b>Start Freq</b> 10.000000000 GHz
-60.0					<b>Stop Freq</b> 20.000000000 GHz
-80.0				1 RMS	CF Step 1.000000000 GHz <u>Auto</u> Man
-100					<b>Freq Offset</b> 0 Hz
-110Start 10.000 GHz				Stop 20.000 GHz	
#Res BW 1.0 MHz	#VBW 3.0 M	Hz	Sweep 26	.67 ms (40000 pts)	

## BAND 2. Conducted Spurious\_2 (26665ch\_5MHz\_QPSK\_RB 1\_0)



		eteu opunious	_1 (200500	h_10MHz_QF		
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC		CENCE IN	<b>T</b>		08:12:24 PM Jun 06, 2019	
Center Freq 5.01500000	D GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 10 dB	#Avg	ALIGN AUTO g Type: RMS	TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	
IO dB/div Ref 0.00 dBm	I Gam.Low			Mk	r1 7.402 8 GHz -67.523 dBm	Auto Tun
-og 22 10.0 20.0 30.0						Center Fre 5.015000000 G⊦
40.0 50.0 50.0				1		Start Fre 30.000000 MH
70.0 30.0 90.0	~~~~		ulmumumun		RMS	Stop Fre 10.00000000 GH
tart 30 MHz Res BW 1.0 MHz	#VB\	V 3.0 MHz			Stop 10.000 GHz .33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
N         1         f         7           2         N         1         f         7           3	2.402 8 GHz 2.851 0 GHz	-67.523 dBm -4.552 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offs 0 H
6 7 8 9 9						
		m				
SG				<b>I</b> STATUS		

# BAND 2. Conducted Spurious\_1 (26090ch\_10MHz\_QPSK\_RB 1\_0)



	1	SAND 2. Conduc	ted Spurious_2	(26090ch_10MHz_0	2PSK_RBI_U)	
	ctrum Analyzer - Swept SA					
Center F	RF 50 Ω AC req 15.000000	000 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	08:12:40 PM Jun 06, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div	Ref -20.00 dBi	IFGain:High	#Atten: 0 dB	Mk	r1 18.911 97 GHz -82.656 dBm	Auto Tune
-30.0						Center Freq 15.000000000 GHz
-40.0						Start Freq 10.000000000 GHz
-60.0						<b>Stop Freq</b> 20.000000000 GHz
-80.0					1 RMS	CF Step 1.00000000 GHz <u>Auto</u> Man
-100						Freq Offset 0 Hz
Start 10.0			0.0 MUL		Stop 20.000 GHz	
#Res BW	1.0 WHZ	#VBW	3.0 MHz	Sweep Sweep	26.67 ms (40000 pts) <sup>TUS</sup>	

## BAND 2. Conducted Spurious\_2 (26090ch\_10MHz\_QPSK\_RB 1\_0)



		cted Spurious	_1 (205050		SI(_ILD 1_0)	
M Agilent Spectrum Analyzer - Swept SA R L RF 50 Ω AC		SENSE:IN	π	ALIGN AUTO	08:15:12 PM Jun 06,	2019
Center Freq 5.015000000	GHz PNO: Fast ↔ IFGain:Low		#Avg	g Type: RMS	TRACE 1 2 3 TYPE A WWA DET A A A	4 5 6 A A A
10 dB/div Ref 0.00 dBm				M	(r1 7.513 0 G -71.120 dE	Hz Auto Tuno Sm
-0g 22 -10.0						Center Fre 5.015000000 GH
40.0 50.0 60.0				1-		Start Fre 30.000000 M⊢
70.0 80.0 90.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		an a			<b>Stop Fre</b> 10.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBV	V 3.0 MHz			Stop 10.000 G 7.33 ms (20001 p	Hz CF Ste 997.000000 MH Auto Ma
	513 0 GHz 878 9 GHz	-71.120 dBm -4.679 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
6 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10						
SG		m			s	<b>,</b>

# BAND 2. Conducted Spurious\_1 (26365ch\_10MHz\_QPSK\_RB 1\_0)