

	BAN	D 7. Conduct	ed Spurio	ous_2 (2.	1400ch_10	MHZ_	QPSK_RB1	_0)	
🎉 Agilent Spectrum Analyz									
Center Freq 18.	50 Ω AC 250000000	PNO: Fast 🔸	Trig: Free		#Avg Type	RMS	TRA TY	PM Jun 03, 2019 CE 1 2 3 4 5 6 PE A WWWWW ET A A A A A A	Frequency
10 and the Bof 2	0.00 dBm	IFGain:High	#Atten: 0	dB		Μ	kr1 26.14		Auto Tune
10 dB/div Ref -2	0.00 aBm						-10.0		
-30.0									Center Freq 18.250000000 GHz
-40.0									Start Freq
-50.0									10.00000000 GHz
-70.0									<b>Stop Freq</b> 26.50000000 GHz
-80.0				<i>and all the second s</i>		~~~	~~~~		<b>CF Step</b> 1.650000000 GHz <u>Auto</u> Man
-90.0	and the state of the								
-100									Freq Offset 0 Hz
-110									
Start 10.000 GHz #Res BW 1.0 MH;		#VBW	3.0 MHz		Si	weep	Stop 26 42.67 ms (4	6.500 GHz 40000 pts)	
MSG						To STA			

### BAND 7. Conducted Spurious\_2 (21400ch\_10MHz\_QPSK\_RB 1\_0)



	DAND 7. CONC	lucted Spurious	1 (20825ch_15MHz_Q	PSK_RB1_0)	
Agilent Spectrum Analyzer - Swe					
K RL RF 50 Ω Center Freq 5.01500	AC DOOOO GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	11:29:43 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 d	IFGain:Low	#Atten: 10 dB	Mł	(r1 5.002 0 GHz -77.065 dBm	Auto Tune
-10.0	¥2				Center Freq 5.015000000 GHz
-40.0 -50.0 -60.0					Start Freq 30.000000 MHz
-70.0 -80.0 -90.0				FMS	<b>Stop Freq</b> 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VE	3W 3.0 MHz	Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Step 997.000000 MHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.002 0 GHz 2.501 6 GHz	-77.065 dBm -5.205 dBm			Freq Offset 0 Hz
6 7 8 9 10 11					
MSG		III	<b>Ko</b> statu	s	

# BAND 7. Conducted Spurious\_1 (20825ch\_15MHz\_QPSK\_RB 1\_0)



	BAND 7. Conducte	a spunous_z (z		2PSK_RBI_U)	
Agilent Spectrum Analyzer - Swept SA					
Center Freq 18.250000	PNO: Fast	SENSE:INT	#Avg Type: RMS	11:30:00 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dE	in our night	#Atten: 0 dB	MI	kr1 26.132 9 GHz -76.487 dBm	Auto Tune
-30.0					<b>Center Freq</b> 18.250000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 26.50000000 GHz
-80.0					CF Step 1.65000000 GHz <u>Auto</u> Man
.100					<b>Freq Offset</b> 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW 3	10 MHz	Sween	Stop 26.500 GHz 42.67 ms (40000 pts)	
MSG	# <b>**DW</b> 3		Sta Sta		

#### BAND 7. Conducted Spurious\_2 (20825ch\_15MHz\_QPSK\_RB 1\_0)



	DAND T. CONUU	icted Spurious_1	(21100ch_15MHz_Q	<sup>2</sup> SK_RB1_0)	
Agilent Spectrum Analyzer - Swep					
Center Freq 5.01500	PNO: Fast	Trig: Free Run	#Avg Type: RMS	11:31:45 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 dB	IFGain:Low _	#Atten: 10 dB	Mł	(r1 3.676 5 GHz -77.349 dBm	Auto Tune
-10.0	¥2				Center Freq 5.015000000 GHz
-40.0 -50.0 -60.0					Start Freq 30.000000 MHz
-70.0 -80.0 -90.0				RMS	Stop Freq 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz		№ 3.0 MHz		Stop 10.000 GHz .33 ms (20001 pts)	CF Step 997.000000 MHz Auto Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5	× 3.676 5 GHz 2.529 0 GHz	-77.349 dBm -5.365 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10 11					
MSG		m	Statu	5	

# BAND 7. Conducted Spurious\_1 (21100ch\_15MHz\_QPSK\_RB 1\_0)



E	BAND 7. Conducted Spurio	us_2 (21100CII_15MH2_Q	PSK_RDI_U)	
Magilent Spectrum Analyzer - Swept SA				
M RL RF 50Ω AC Center Freq 18.250000	000 GHz PNO: Fast +++ Trig: Free F		11:32:04 PM Jun 03, 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	ii ounnign		r1 26.186 9 GHz -76.335 dBm	Auto Tune
-30.0				Center Freq 18.250000000 GHz
-40,0				Start Freq 10.000000000 GHz
-60.0				<b>Stop Freq</b> 26.50000000 GHz
-80.0		m	m	CF Step 1.65000000 GHz <u>Auto</u> Man
-100				Freq Offset 0 Hz
Start 10.000 GHz			Stop 26.500 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 4	2.67 ms (40000 pts)	

### BAND 7. Conducted Spurious\_2 (21100ch\_15MHz\_QPSK\_RB 1\_0)



	DAND 1. CONU	ucted spurious_	_1 (21375ch_15MHz_Q	PSK_RDI_U)	
Milent Spectrum Analyzer - Swep					
RL RF 50 Ω Center Freq 5.01500		SENSE:INT	#Avg Type: RMS	11:33:39 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 dE		#Atten: 10 dB	M	kr1 3.714 9 GHz -77.005 dBm	Auto Tune
-10.0 -20.0 -30.0	¥2				Center Freq 5.015000000 GHz
-40.0					Start Freq 30.000000 MHz
-70.0				RMS	Stop Freq 10.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VE	3W 3.0 MHz	Sweep 1	Stop 10.000 GHz 7.33 ms (20001 pts)	CF Step 997.000000 MHz Auto Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 F 4 5	X 3.714 9 GHz 2.569 9 GHz	<u>-77.005 dBm</u> -5.129 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset 0 Hz
6 7 8 9 10 11					
+ MSG		m	to statu	s	

# BAND 7. Conducted Spurious\_1 (21375ch\_15MHz\_QPSK\_RB 1\_0)



	SENSE:INT #Avg Free Run m: 0 dB	Type: RMS	1:33:56 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A A 6.125 4 GHz 76.606 dBm	Frequency
Center Freq 18.25000000 GHz PNO: Fast +++ Trig: IFGain:High -30.0 -40.0 -50.0	#Avg Free Run	Type: RMS	TRACE <b>123456</b> TYPE A WWWW DET A A A A A A 6.125 4 GHz	
10 dB/div Ref -20.00 dBm -30.0		Mkr1 2	6.125 4 GHz	Auto Tune
-30.0 -40.0 -50.0			0.000 abili	
-50.0				Center Freq 18.250000000 GHz
-60.0				<b>Start Freq</b> 10.00000000 GHz
-70.0			1	<b>Stop Freq</b> 26.50000000 GHz
-80.0		m		CF Step 1.65000000 GHz Auto Man
-100				<b>Freq Offset</b> 0 Hz
Start 10.000 GHz		Sto	op 26.500 GHz	
#Res BW 1.0 MHz #VBW 3.0 N	IHZ	Sweep 42.67	ms (40000 pts)	

### BAND 7. Conducted Spurious\_2 (21375ch\_15MHz\_QPSK\_RB 1\_0)



	BAND 7. COllu	ucted spurious_	1 (20850ch_20MHz_Q	PSK_RB1_0)	
📕 Agilent Spectrum Analyzer - Swep					
Center Freq 5.01500	PNO: Fast	SENSE:INT	#Avg Type: RMS	11:36:00 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 dB	IFGain:Low	#Atten: 10 dB	Mł	(r1 5.003 0 GHz -76.765 dBm	Auto Tune
-10.0	¥2				Center Freq 5.015000000 GHz
-40.0 -50.0 -60.0					Start Freq 30.000000 MHz
-70.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	FMS	<b>Stop Freq</b> 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz		3W 3.0 MHz		Stop 10.000 GHz .33 ms (20001 pts)	CF Step 997.000000 MHz Auto Man
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5	× 5.003 0 GHz 2.501 6 GHz	-76.765 dBm -5.560 dBm	FUNCTION FUNCTION WIDTH		Freq Offset 0 Hz
6 7 8 9 10 11					
MSG		m	<b>STATU</b>	s	

# BAND 7. Conducted Spurious\_1 (20850ch\_20MHz\_QPSK\_RB 1\_0)



Mailert Spectrum Analyzer - Swept SA   SENSE:INT   ALIGN     Center Freq 18.250000000 GHz IFGain:High   Trig: Free Run #Avg Type: RM     10 dB/div   Ref -20.00 dBm     -30.0	
Center Freq 18.25000000 GHz   #Avg Type: RM     PN0: Fast   #Atten: 0 dB     10 dB/div   Ref -20.00 dBm     -30.0	IS TRACE 123456 TYPE A WWWWW
10 dB/div Ref -20.00 dBm	
Log -30.0 -40.0 -50.0	Mkr1 25.837 5 GHz -76.380 dBm
-50.0	Center Freq 18.250000000 GHz
-60.0	Start Freq 10.00000000 GHz
-70.0	Stop Freq 26.50000000 GHz
-80.0	CF Step 1.65000000 GHz <u>Auto</u> Man
-100	Freq Offset 0 Hz
Start 10.000 GHz	Stop 26.500 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Swee	p 42.67 ms (40000 pts)

#### BAND 7. Conducted Spurious\_2 (20850ch\_20MHz\_QPSK\_RB 1\_0)



	DAND 1. CON	iucteu Spurious_	1 (21100ch_20MHz_Q	I SK_KD 1_0)	
Agilent Spectrum Analyzer - Swept					
x RL RF 50Ω Center Freq 5.015000		SENSE:INT Trig: Free Run #Atten: 10 dB	#Avg Type: RMS	11:38:02 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 dB	m		M	kr1 3.685 5 GHz -77.107 dBm	Auto Tune
-10.0 -20.0 -30.0	¥2				Center Fred 5.015000000 GHz
-40.0					Start Free 30.000000 MH
70.0 80.0 90.0		1		RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#V	BW 3.0 MHz	Sweep 1	Stop 10.000 GHz 7.33 ms (20001 pts)	CF Ste 997.000000 MH Auto Ma
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4	× 3.685 5 GHz 2.526 5 GHz	Y -77.107 dBm -4.883 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
5 6 7 8 9 10					
SG		III	STATU	s	

# BAND 7. Conducted Spurious\_1 (21100ch\_20MHz\_QPSK\_RB 1\_0)



	DANL	7. Conduct	eu spun	ous_z (zi	10001_20	winz_Qr	-3K_KD1	_0)	
Milent Spectrum Analyz									
Center Freq 18.		PNO: Fast +	Trig: Free #Atten: 0		#Avg Type	RMS	TRAC	M Jun 03, 2019 E 1 2 3 4 5 6 PE A 444 A A A	Frequency
10 dB/div Ref -2	0.00 dBm	IFGain:High	#Atten: 0			Mkr	1 25.81 -76.7	2 3 GHz 10 dBm	Auto Tune
-30.0									Center Freq 18.250000000 GHz
-40.0									Start Freq 10.000000000 GHz
-60.0								1_	<b>Stop Freq</b> 26.500000000 GHz
-80.0		and the second second		-		May 1	~~~	RMS	<b>CF Step</b> 1.650000000 GHz <u>Auto</u> Man
-100									Freq Offset 0 Hz
-110 Start 10.000 GHz		#\/D\/	2.0 8411-			100 <b>0</b> 40	Stop 26	.500 GHz	
#Res BW 1.0 MH:		#VDVV	3.0 MHz		51	STATUS	10-10-10-10-10-10-10-10-10-10-10-10-10-1	0000 pts)	

### BAND 7. Conducted Spurious\_2 (21100ch\_20MHz\_QPSK\_RB 1\_0)



	BAND T. CONU	ucted spunous_1	(21350ch_20MHz_Q	PSK_RDI_U)	
Agilent Spectrum Analyzer - Swep					
X RL RF 50 Ω Center Freq 5.01500	0000 GHz PNO: Fast	Trig: Free Run	ALIGN AUTO #Avg Type: RMS	11:39:56 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 0.00 dE	IFGain:Low	#Atten: 10 dB	Mł	(r1 3.701 0 GHz -77.399 dBm	Auto Tune
-10.0	¥2				Center Freq 5.015000000 GHz
-40.0					Start Free 30.000000 MH;
-70.0				RMS	Stop Fred 10.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz		W 3.0 MHz		Stop 10.000 GHz 7.33 ms (20001 pts)	CF Step 997.000000 MH Auto Mar
MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5	× 3.701 0 GHz 2.569 4 GHz	Y F -77.399 dBm -5.745 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H:
6 7 8 9 10 11					
⊀ MSG		m	Istatu	s	

# BAND 7. Conducted Spurious\_1 (21350ch\_20MHz\_QPSK\_RB 1\_0)



DAN		is_2 (21350ch_20MHz_QF	5N_NB1_0/	
Magilent Spectrum Analyzer - Swept SA	asues.			
<b>χ</b> RL RF 50Ω AC Center Freq 18.250000000	O GHZ PNO: Fast ↔ IFGain:High Trig: Free R #Atten: 0 dB	#Avg Type: RMS	11:40:13 PM Jun 03, 2019 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 dBm			1 26.427 0 GHz -76.749 dBm	Auto Tune
-30.0				<b>Center Freq</b> 18.250000000 GHz
-40.0				Start Freq 10.00000000 GHz
-60.0			1	<b>Stop Freq</b> 26.50000000 GHz
-80.0				CF Step 1.65000000 GHz <u>Auto</u> Man
-100				<b>Freq Offset</b> 0 Hz
Start 10.000 GHz	#\/D\// 2.0 P411-		Stop 26.500 GHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 42	2.67 ms (40000 pts)	

### BAND 7. Conducted Spurious\_2 (21350ch\_20MHz\_QPSK\_RB 1\_0)



# 10. APPENDIX A\_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1906-FC020-P