Appendix A: Test Result of Conducted Test

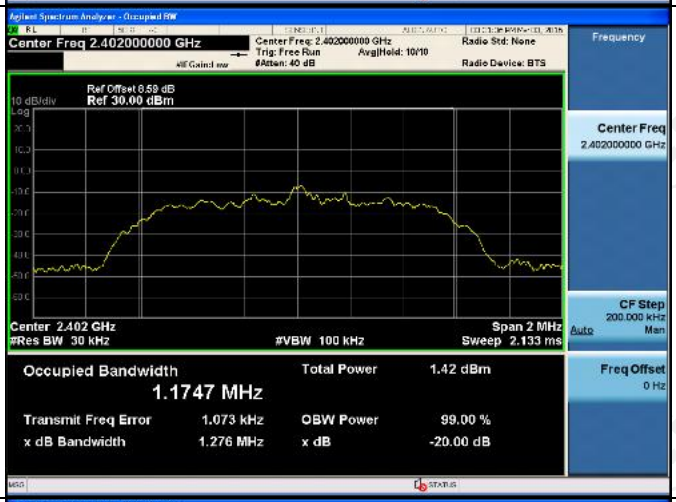
20dB Occupied Bandwidth

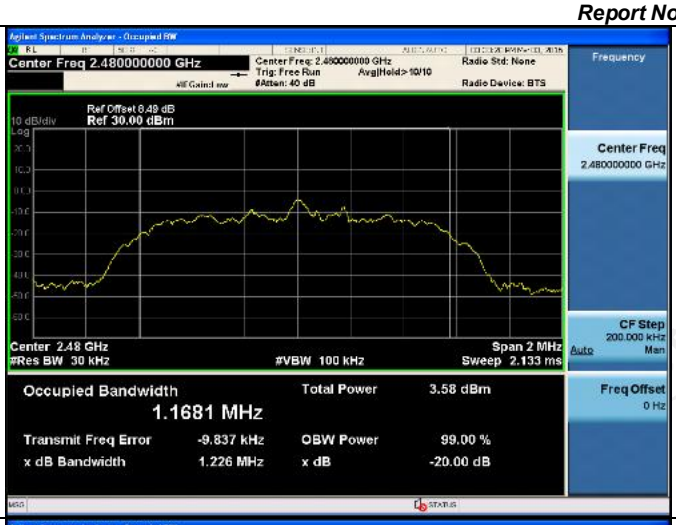
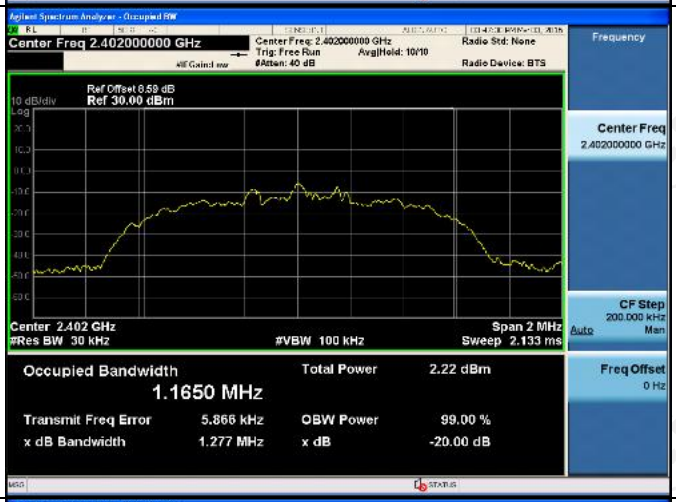
Test Result

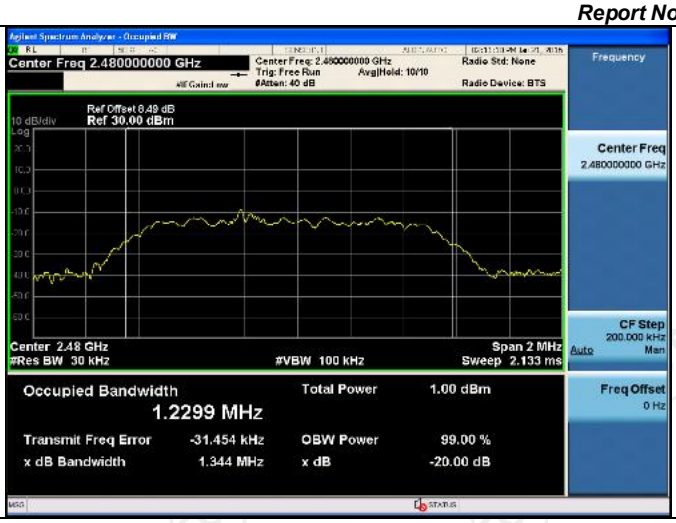
Mode	Channel.	20dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
GFSK	LCH	0.9597	0.87385	PASS
GFSK	MCH	0.9420	0.86503	PASS
GFSK	HCH	0.9442	0.86201	PASS
π/4DQPSK	LCH	1.276	1.1747	PASS
π/4DQPSK	MCH	1.304	1.1736	PASS
π/4DQPSK	HCH	1.226	1.1681	PASS
8DPSK	LCH	1.277	1.1650	PASS
8DPSK	MCH	1.261	1.1664	PASS
8DPSK	HCH	1.344	1.2299	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

GFSK/HCH		
π/4DQPSK/LCH		
π/4DQPSK/MCH		

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

8DPSK/HCH		

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.480000000 GHz
Center Freq: 2.480000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 8.49 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
2.480000000 GHz
CF Step
200.000 kHz
Auto
Man
Center 2.48 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 2 MHz
Sweep 2.133 ms
Occupied Bandwidth
1.2299 MHz
Total Power
1.00 dBm
Transmit Freq Error
-31.454 kHz
OBW Power
99.00 %
x dB Bandwidth
1.344 MHz
x dB
-20.00 dB
Freq Offset
0 Hz
MSG
STATUS

Carrier Frequency Separation

Result Table

Mode	Channel.	Carrier Frequency Separation [MHz]	Verdict
GFSK	LCH	1.008	PASS
GFSK	MCH	1.190	PASS
GFSK	HCH	1.156	PASS
π/4DQPSK	LCH	1.156	PASS
π/4DQPSK	MCH	1.020	PASS
π/4DQPSK	HCH	1.338	PASS
8DPSK	LCH	1.092	PASS
8DPSK	MCH	1.020	PASS
8DPSK	HCH	1.314	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

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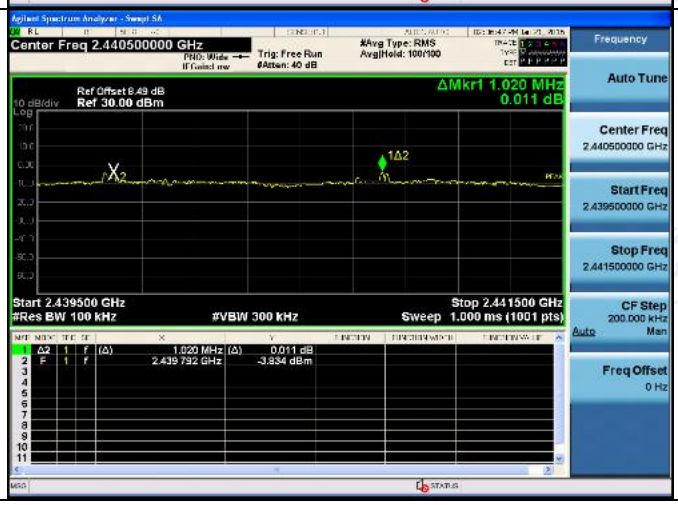
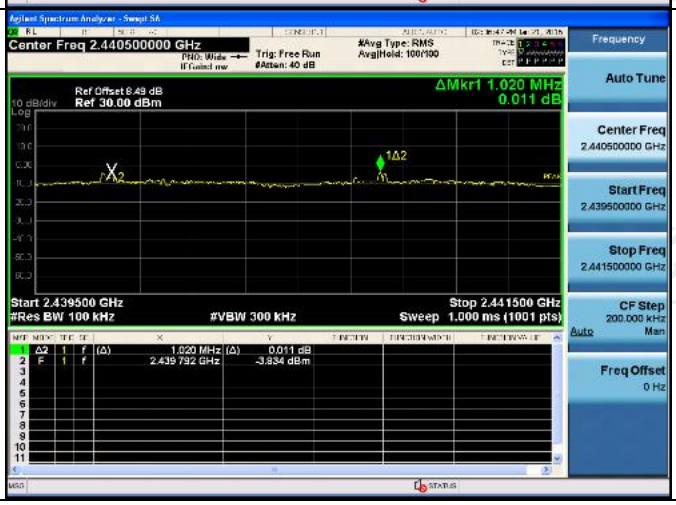
GFSK/HCH		
π/4DQPSK/LCH		
π/4DQPSK/MCH		

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

8DPSK/HCH		

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.479500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
Ref Offset 8.49 dB
10 dB/div
Log
Ref 30.00 dBm
ΔMkr1 1.314 MHz
-0.115 dB
1Δ2
Start 2.478500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.480500 GHz
Sweep 1.000 ms (1001 pts)
1 Δ2 1 f (Δ) 1.314 MHz (Δ) -0.115 dB
2 F 1 f 2.478 952 GHz -3.626 dBm
Frequency
Auto Tune
Center Freq
2.479500000 GHz
Start Freq
2.478500000 GHz
Stop Freq
2.480500000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

Dwell Time

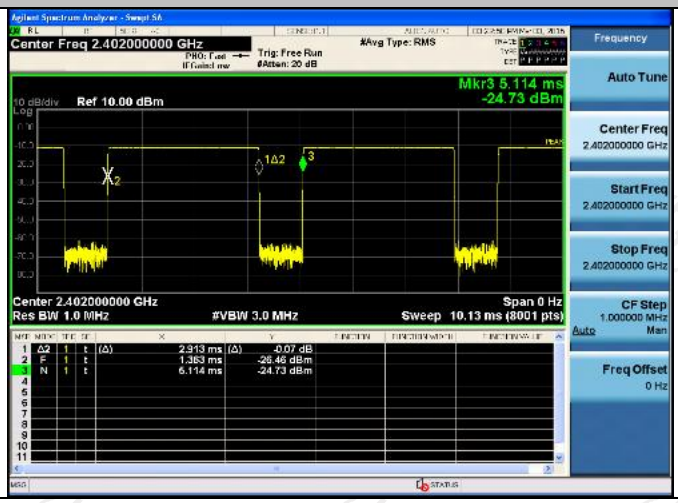
Result Table

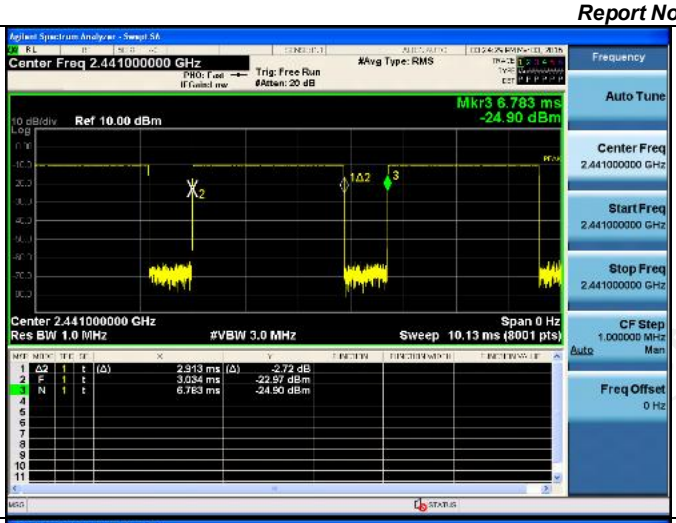
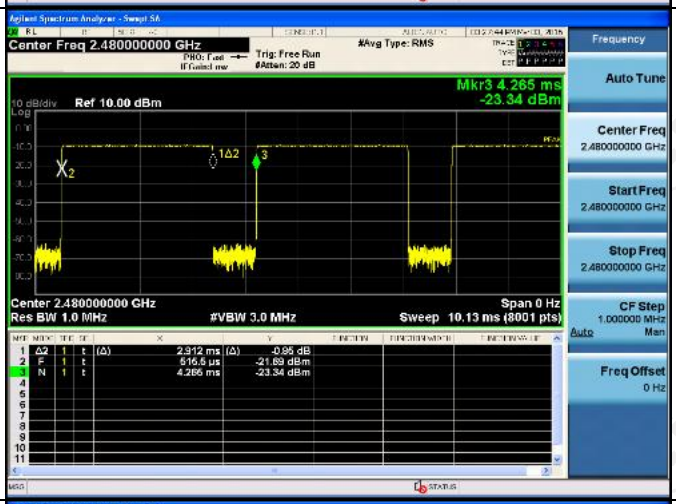
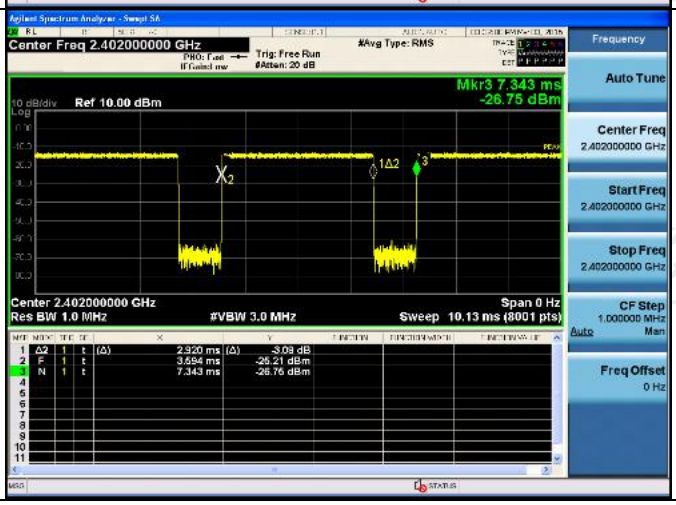
The Dwell Time=Burst Width*Total Hops. The detailed calculations are showed as follows:

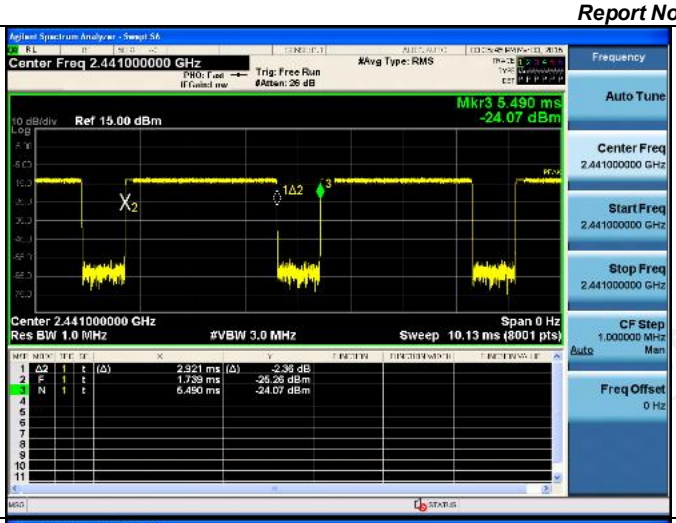
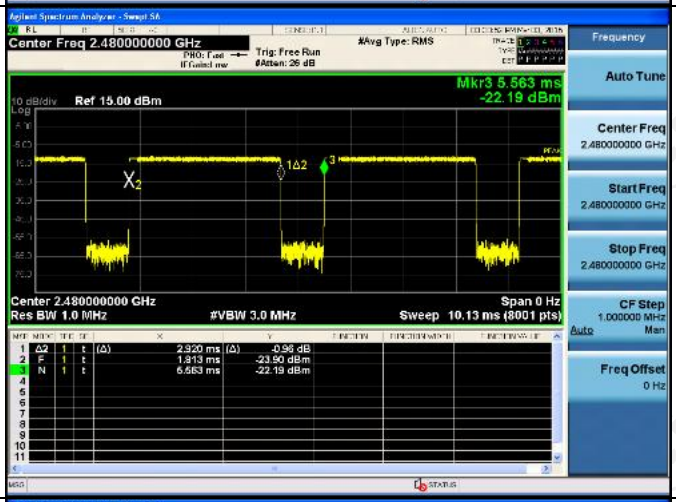
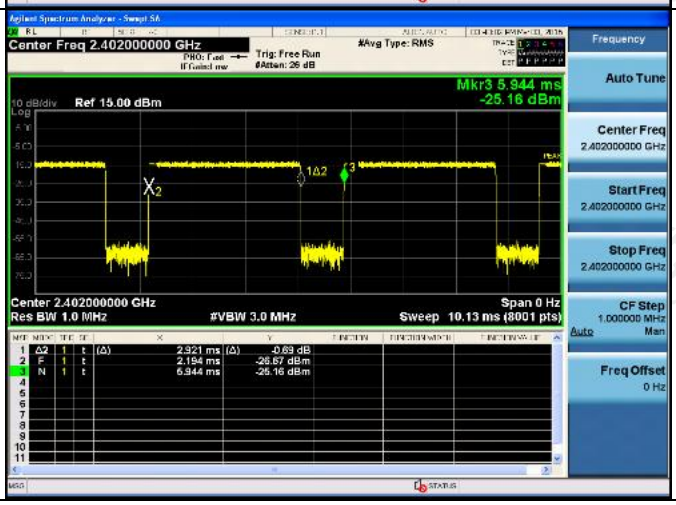
- The duration for dwell time calculation:0.4[s]*hopping number=0.4[s]*79[ch]=31.6[s*ch];
- The burst width [ms/hop/ch], which is directly measured, refers to the duration on one channel hop.
- The hops per second for all channels: The selected EUT Conf uses a slot type of 5-Tx&1-Rx and a hopping rate of 1600 [ch*hop/s] for all channels. So the final hopping rate for all channels is 1600/6=266.67 [ch*hop/s]
- The hops per second on one channel: 266.67 [ch*hops/s]/79 [ch]=3.38 [hop/s];
- The total hops for all channels within the dwell time calculation duration:3.38 [hop/s]*31.6[s*ch]=106.67 [hop*ch];
- The dwell time for all channels hopping: 106.67 [hop*ch]*Burst Width [ms/hop/ch].

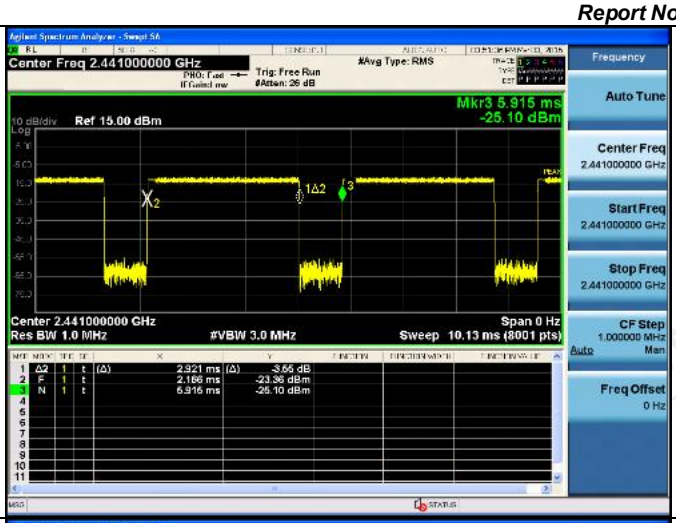
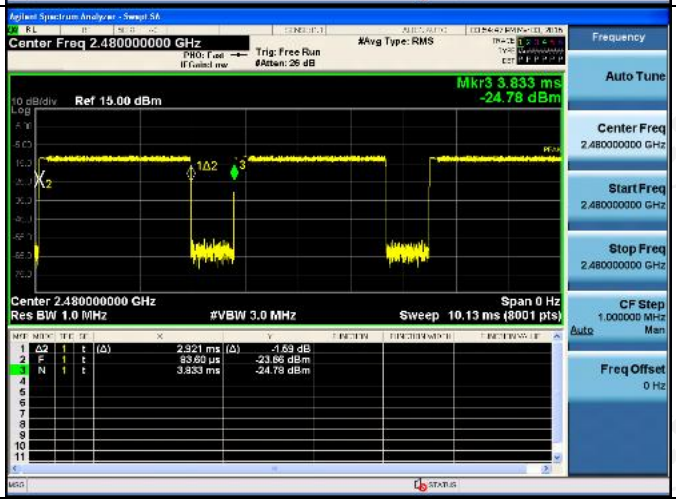
Mode	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Duty Cycle [%]	Verdict
GFSK	LCH	2.913	106.7	0.311	77.68	PASS
GFSK	MCH	2.913	106.7	0.311	77.70	PASS
GFSK	HCH	2.912	106.7	0.311	77.67	PASS
π/4DQPSK	LCH	2.920	106.7	0.312	77.87	PASS
π/4DQPSK	MCH	2.921	106.7	0.312	77.88	PASS
π/4DQPSK	HCH	2.920	106.7	0.312	77.85	PASS
8DPSK	LCH	2.921	106.7	0.312	77.88	PASS
8DPSK	MCH	2.921	106.7	0.312	77.91	PASS
8DPSK	HCH	2.921	106.7	0.312	77.91	PASS

Test Graph

Graphs	
GFSK/LCH	

GFSK/MCH		
GFSK/HCH		
π/4DQPSK/LCH		

π/4DQPSK/MCH		
π/4DQPSK/HCH		
8DPSK/LCH		

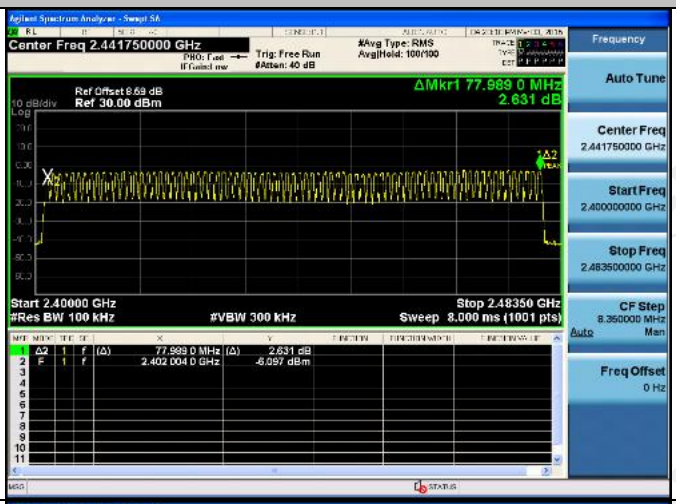
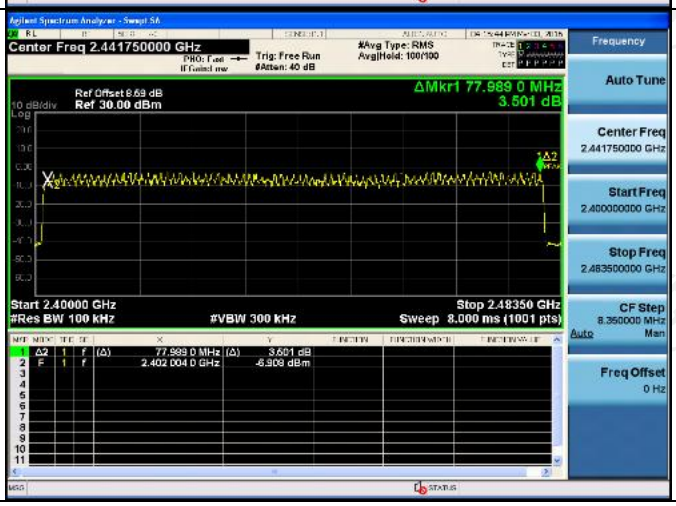
8DPSK/MCH			
8DPSK/HCH			

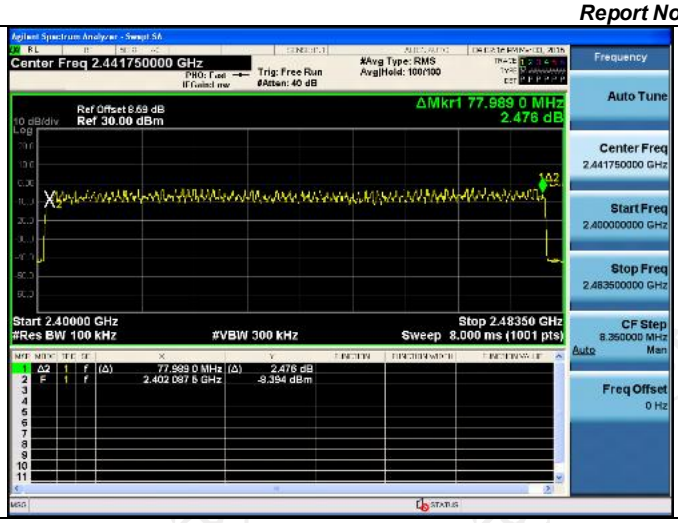
Hopping Channel Number

Result Table

Mode	Channel.	Number of Hopping Channel	Verdict
GFSK	Hop	79	PASS
π/4DQPSK	Hop	79	PASS
8DPSK	Hop	79	PASS

Test Graph

Graphs		
GFSK/Hop		
π/4DQPSK/Hop		

8DPSK/Hop		 Agilent Spectrum Analyzer - Swept SA Center Freq 2.441750000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg|Hold: 100/100 Ref Offset 8.69 dB 10 dB/div Ref 30.00 dBm ΔMkr1 77.989 0 MHz 2.476 dB Start 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.48350 GHz Sweep 8.000 ms (1001 pts) 1 Δ2 1 f (Δ) 77.989 0 MHz (Δ) 2.476 dB 2 F 1 f 2.402 087 5 GHz -9.394 dBm Frequency Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.350000 MHz Auto Man Freq Offset 0 Hz	

Conducted Peak Output Power

Result Table

Mode	Channel.	Maximum Peak Output Power [dBm]	Verdict
GFSK	LCH	-1.618	PASS
GFSK	MCH	-0.760	PASS
GFSK	HCH	0.032	PASS
π/4DQPSK	LCH	-3.750	PASS
π/4DQPSK	MCH	-2.365	PASS
π/4DQPSK	HCH	-1.679	PASS
8DPSK	LCH	-3.361	PASS
8DPSK	MCH	-2.057	PASS
8DPSK	HCH	-1.370	PASS

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		

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GFSK/HCH		
π/4DQPSK/LCH		
π/4DQPSK/MCH		

π/4DQPSK/HCH		
8DPSK/LCH		
8DPSK/MCH		

8DPSK/HCH		

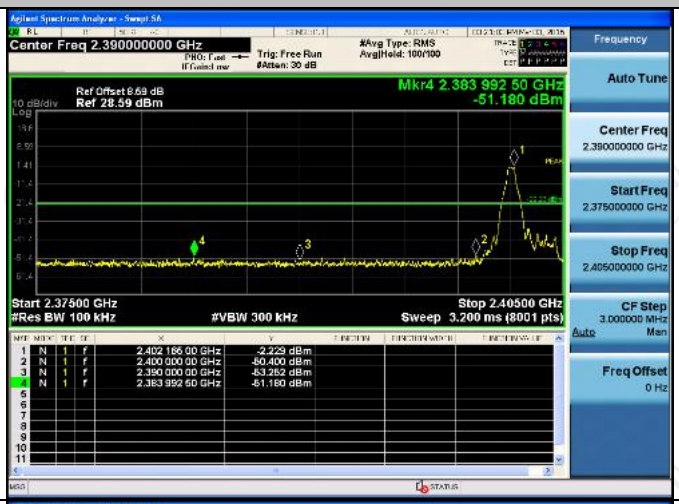
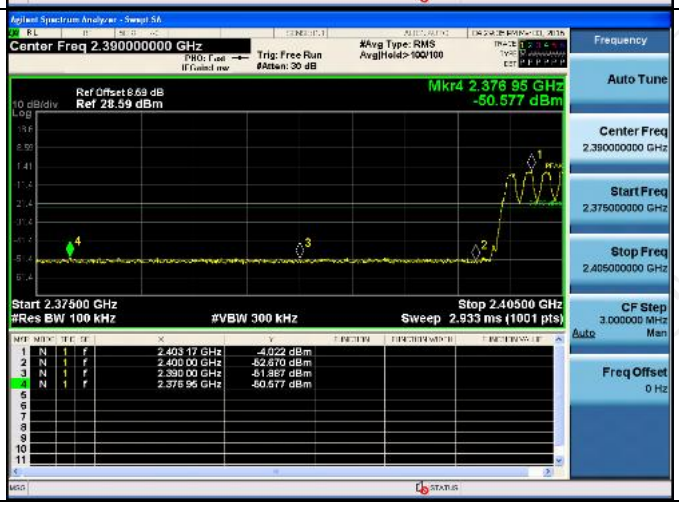
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
Ref Offset 8.49 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.479 700 GHz
-1.370 dBm
Center 2.480000 GHz
#Res BW 3.0 MHz
#VBW 8.0 MHz
Span 5.000 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.477500000 GHz
Stop Freq
2.482500000 GHz
CF Step
500.000 kHz
Auto
Man
Freq Offset
0 Hz

Band-edge for RF Conducted Emissions

Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-2.229	Off	-51.180	-22.23	PASS
			-4.022	On	-50.577	-24.02	PASS
GFSK	HCH	2480	-0.477	Off	-49.974	-20.48	PASS
			-3.099	On	-51.381	-23.1	PASS
π/4DQPSK	LCH	2402	-5.799	Off	-51.416	-25.8	PASS
			-3.998	On	-50.893	-24	PASS
π/4DQPSK	HCH	2480	-3.570	Off	-50.994	-23.57	PASS
			-3.292	On	-50.284	-23.29	PASS
8DPSK	LCH	2402	-5.383	Off	-50.601	-25.38	PASS
			-3.965	On	-50.242	-23.97	PASS
8DPSK	HCH	2480	-3.559	Off	-50.077	-23.56	PASS
			-3.109	On	-48.934	-23.11	PASS

Test Graph

Graphs		
GFSK/LCH/No Hop		
GFSK/LCH/Hop		

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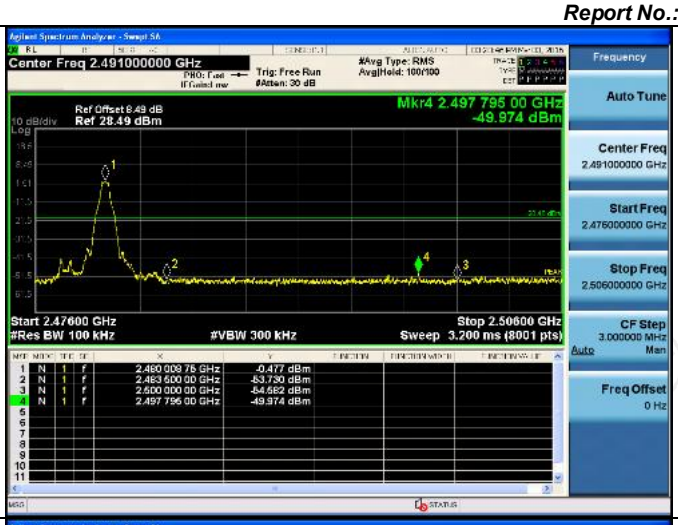
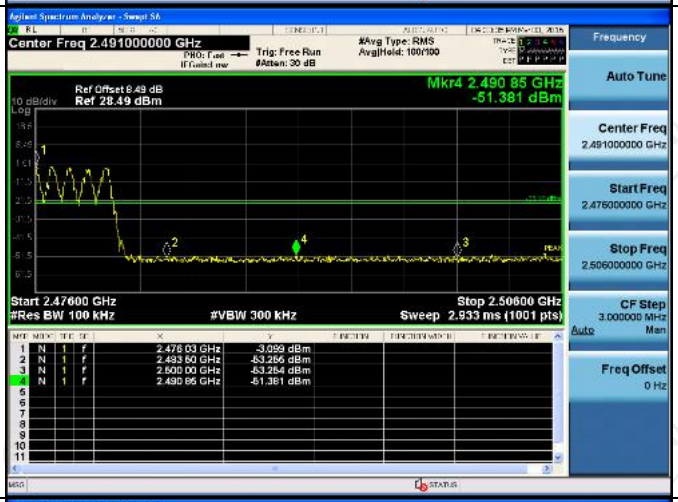
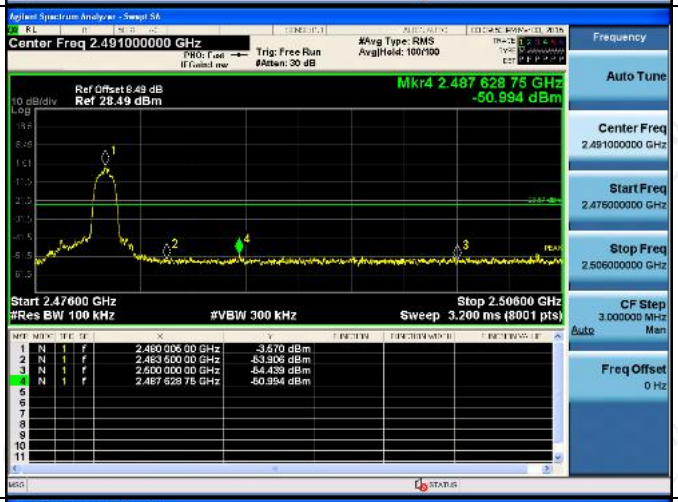
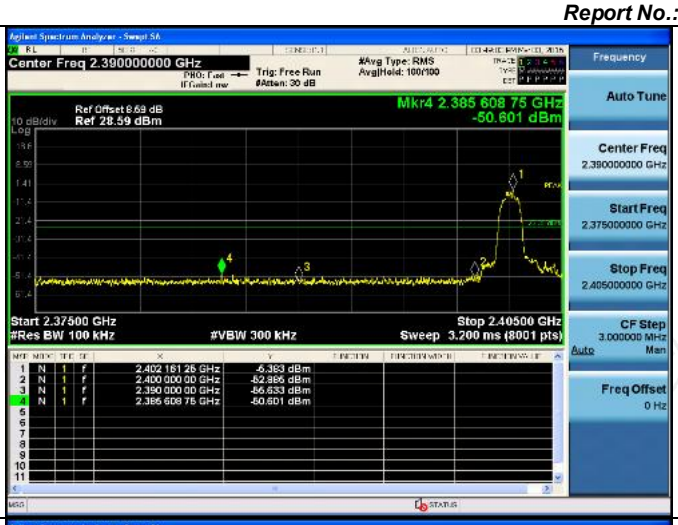
GFSK/HCH/No Hop		
GFSK/HCH/Hop		
π/4DQPSK/LCH/No Hop		

π/4DQPSK/LCH/Hop		
π/4DQPSK/HCH/No Hop		
π/4DQPSK/HCH/Hop		

8DPSK/LCH/No Hop		
8DPSK/LCH/Hop		
8DPSK/HCH/No Hop		

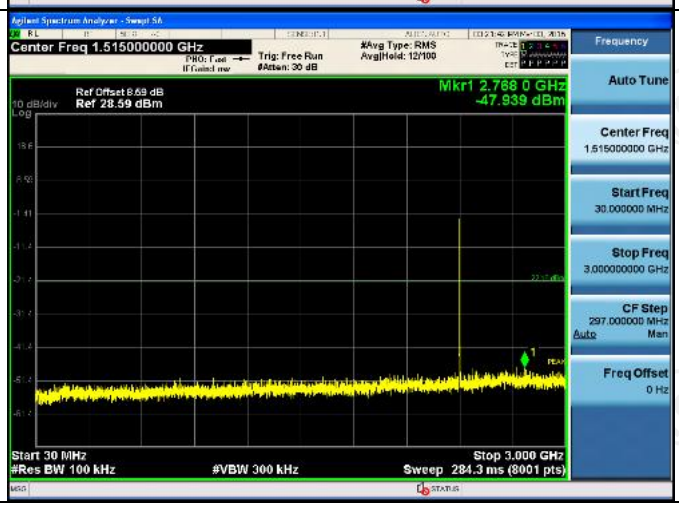
8DPSK/HCH/Hop		

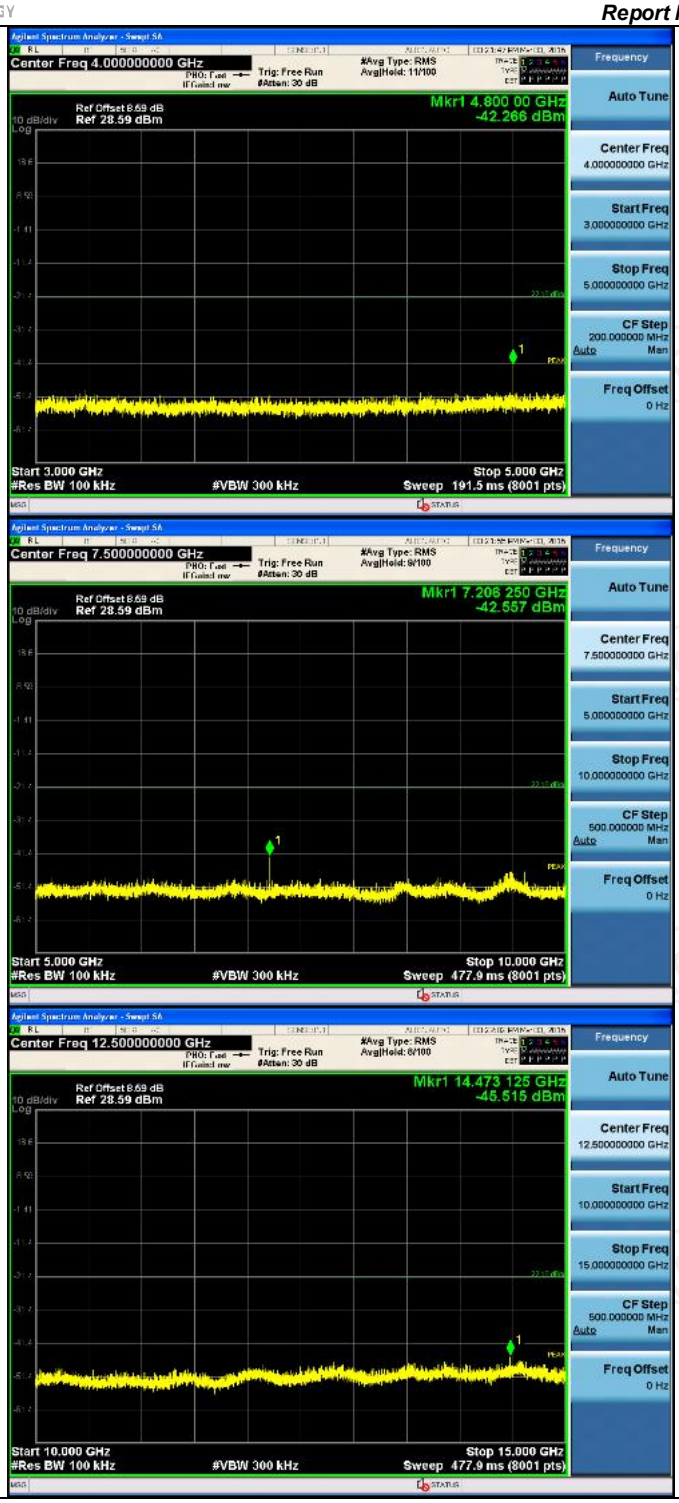
RF Conducted Spurious Emissions

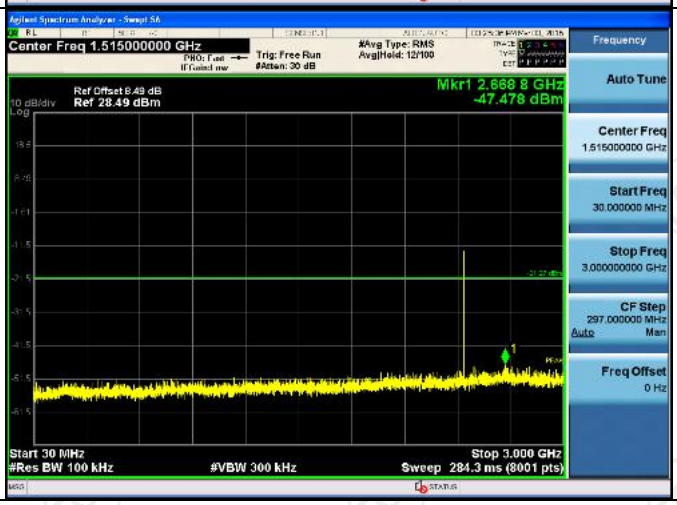
Result Table

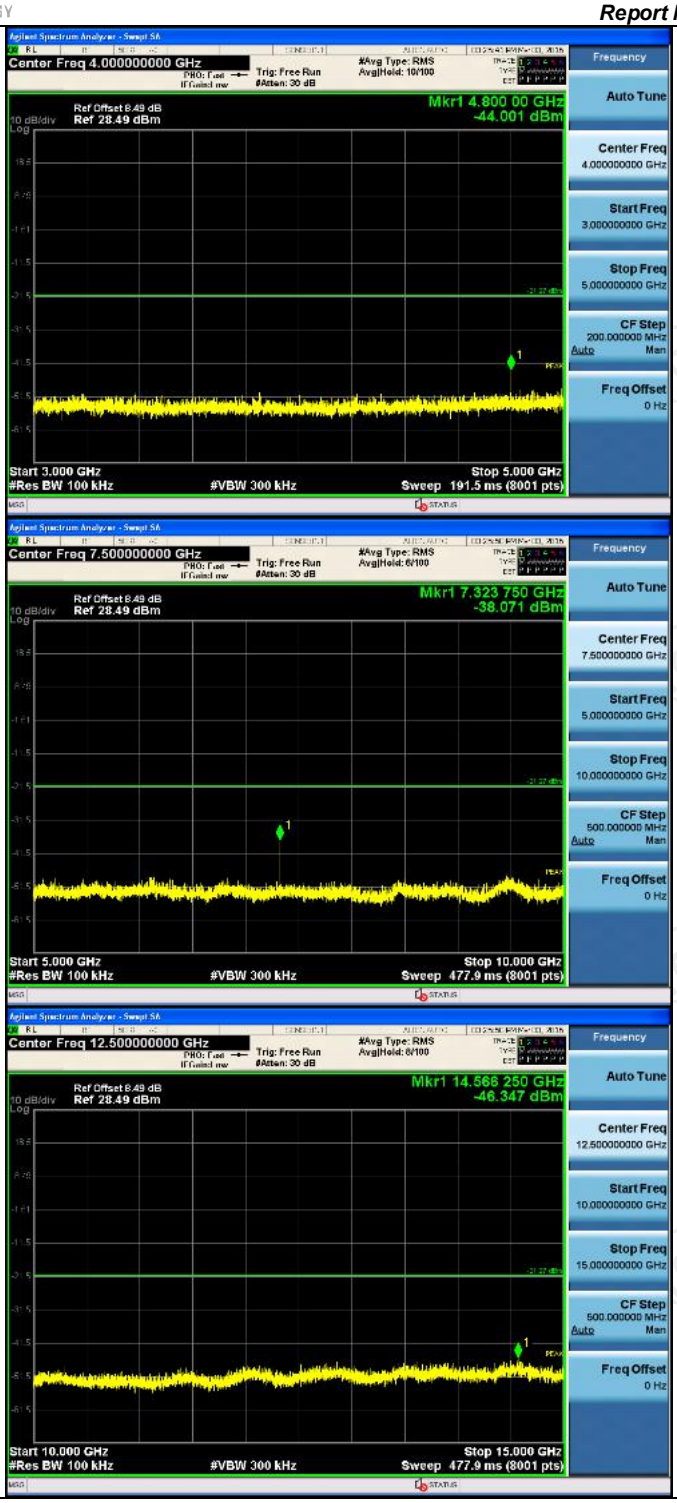
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	-2.158	<Limit	PASS
GFSK	MCH	-1.269	<Limit	PASS
GFSK	HCH	-0.528	<Limit	PASS
π/4DQPSK	LCH	-5.523	<Limit	PASS
π/4DQPSK	MCH	-4.012	<Limit	PASS
π/4DQPSK	HCH	-3.364	<Limit	PASS
8DPSK	LCH	-5.352	<Limit	PASS
8DPSK	MCH	-3.948	<Limit	PASS
8DPSK	HCH	-3.422	<Limit	PASS

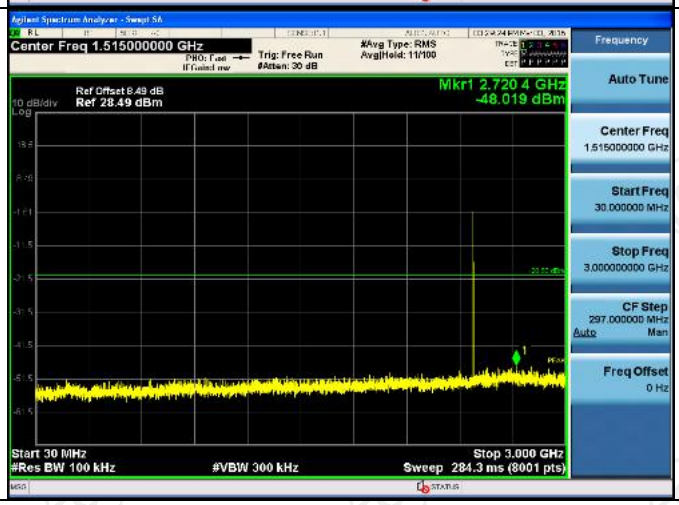
Test Graph

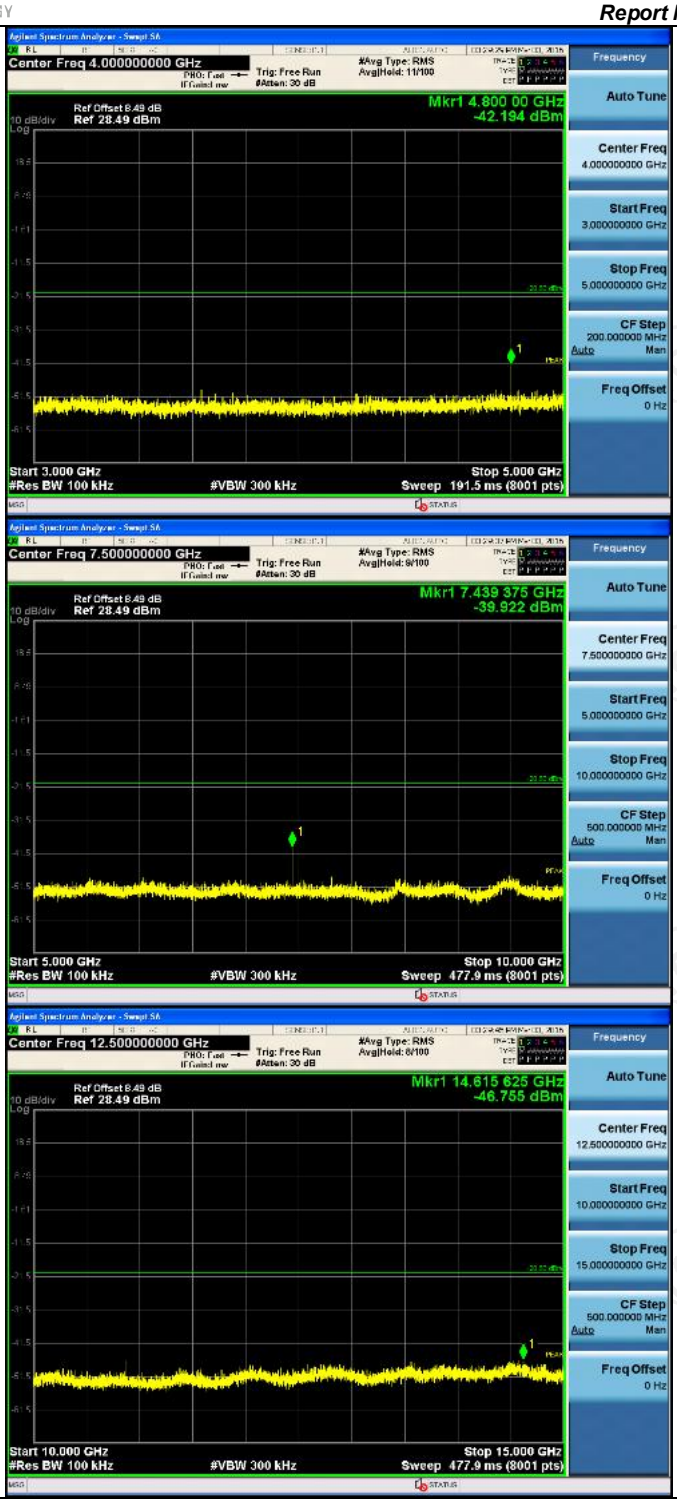
GFSK_LCH_Graphs		
Pref		
Puw		

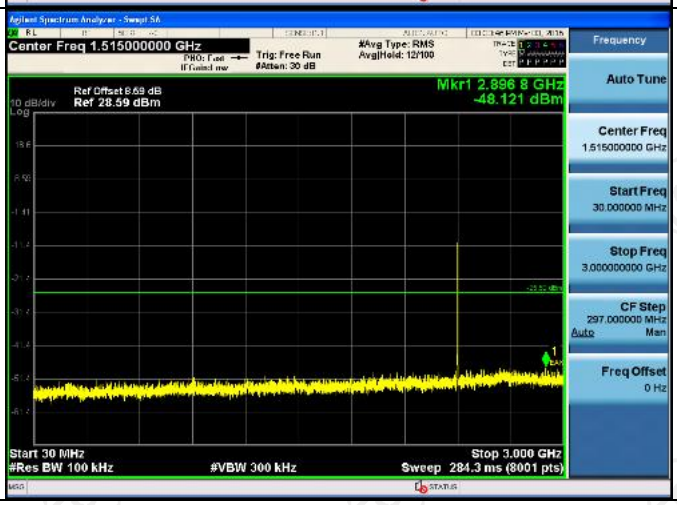

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 4.800 00 GHz
-42.266 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 7.206 250 GHz
-42.557 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 14.473 125 GHz
-45.515 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

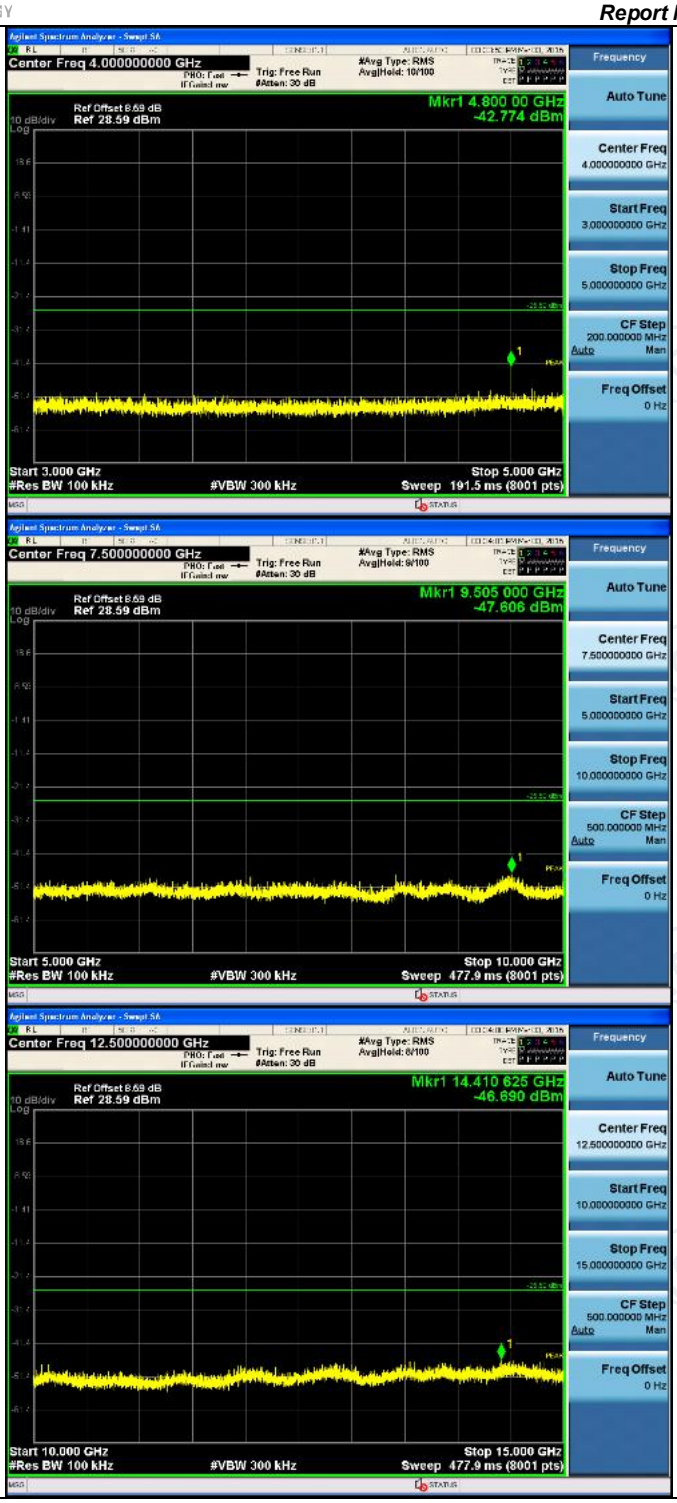
GFSK_MCH_Graphs		
Pref		
Puw		

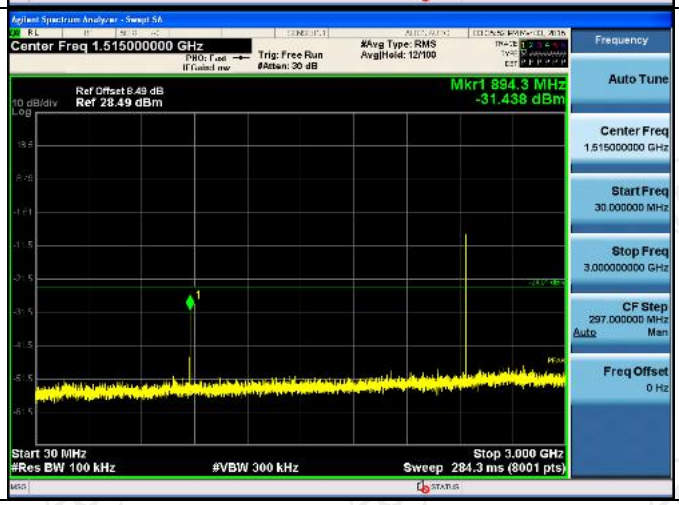

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 4.800 00 GHz
-44.001 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 6/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 7.323 750 GHz
-38.071 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 6/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 14.568 250 GHz
-46.347 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

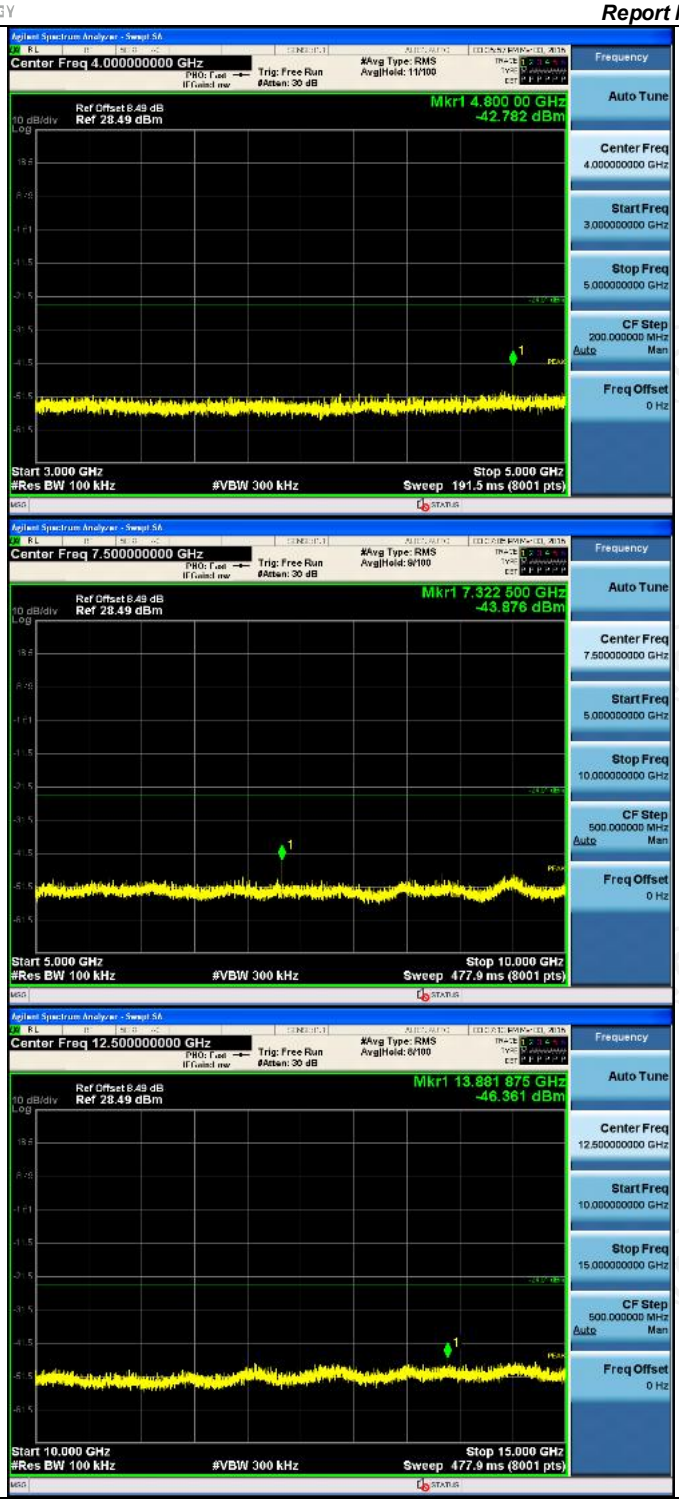
GFSK_HCH_Graphs		
Pref		
Puw		

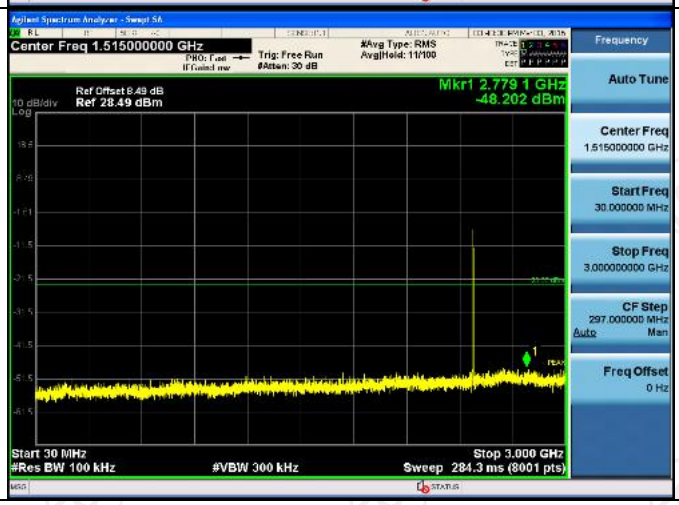

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 4.800 00 GHz
-42.184 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 7.439 375 GHz
-39.922 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 14.615 625 GHz
-46.755 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

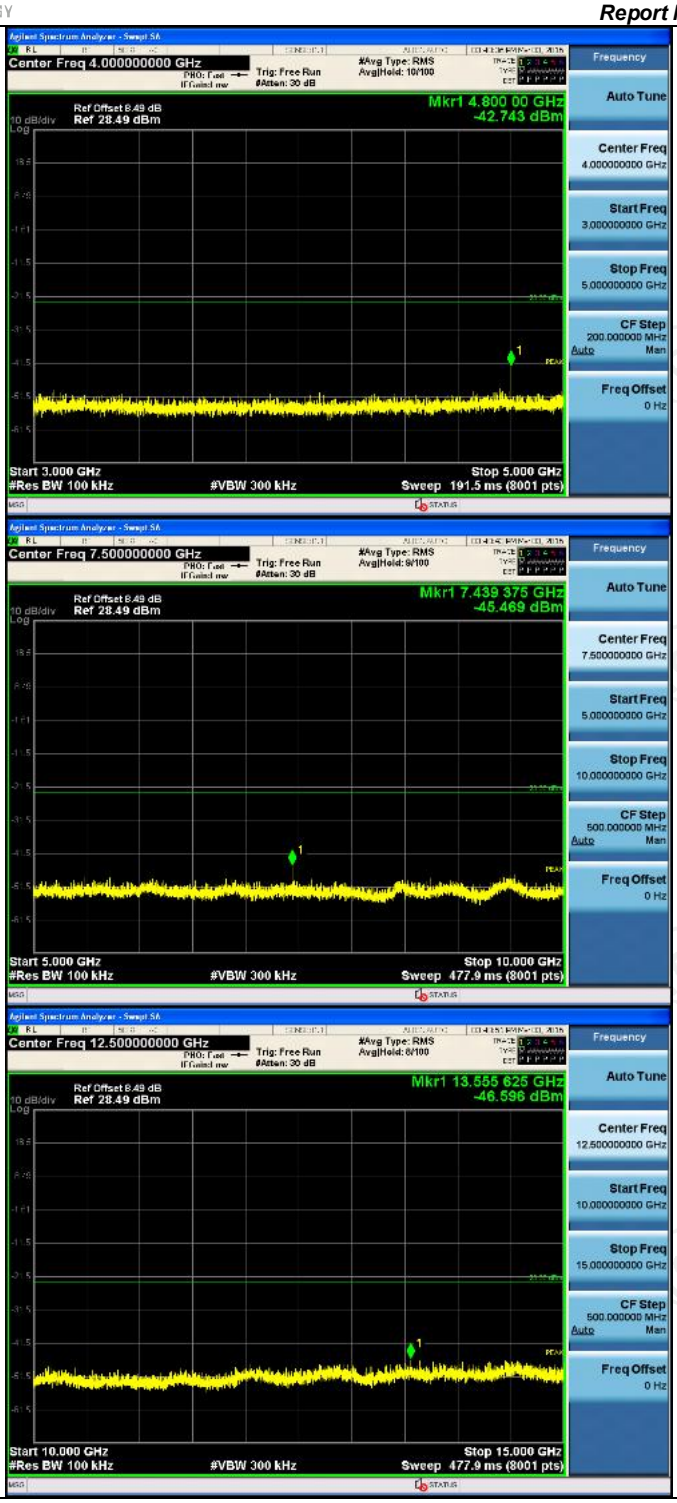
π/4DQPSK_LCH_Graphs		
Pref		
Puw		

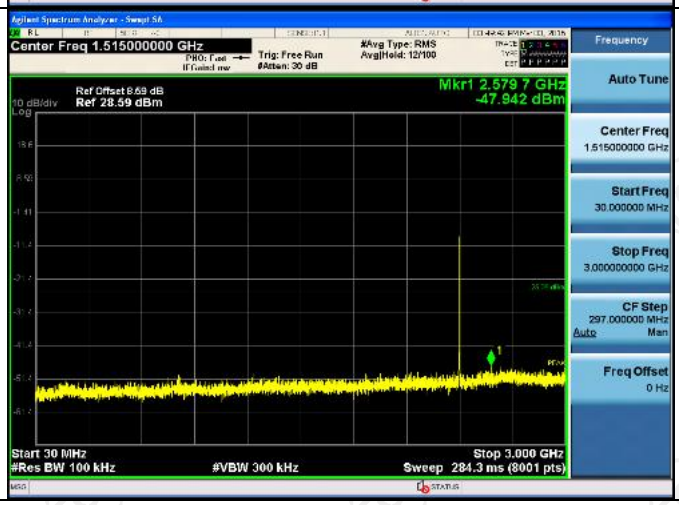

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 4.800 00 GHz
-42.774 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 9.505 000 GHz
-47.606 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 14.410 625 GHz
-46.690 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

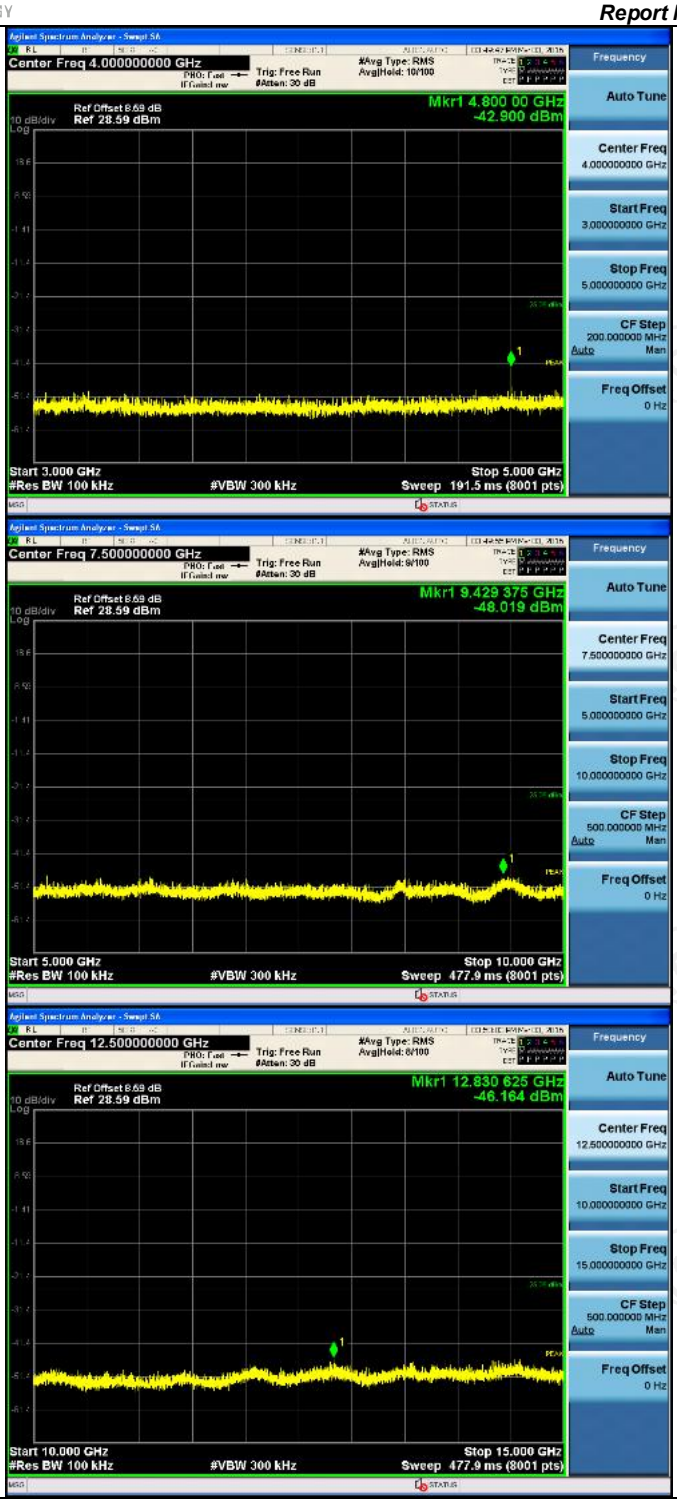
π/4DQPSK_MCH_Graphs		
Pref		
Puw		

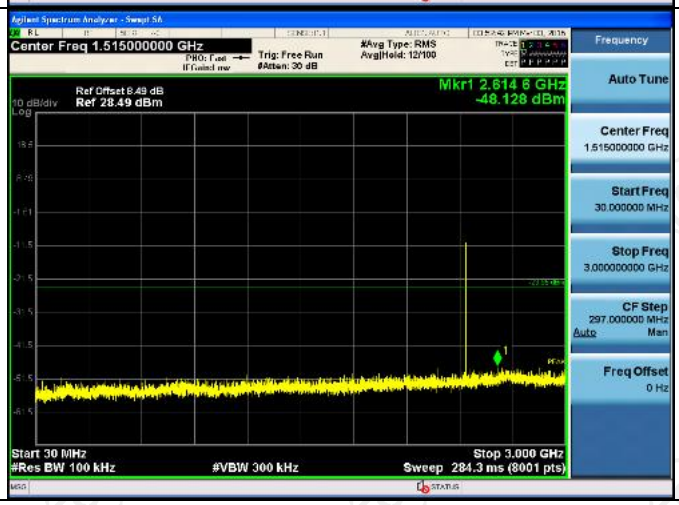

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 4.800 00 GHz
-42.782 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 7.322 500 GHz
-43.876 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 13.881 875 GHz
-46.361 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

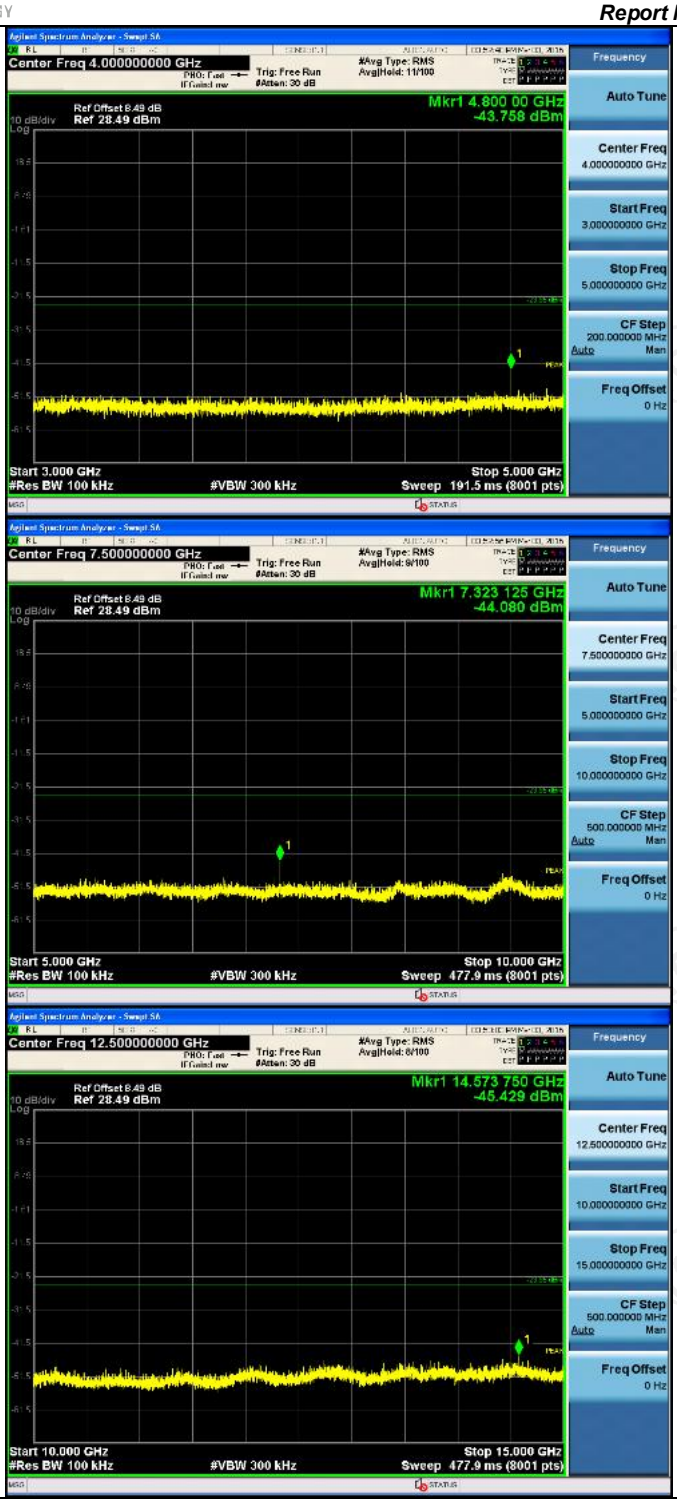
π/4DQPSK_HCH_Graphs		
Pref		
Puw		

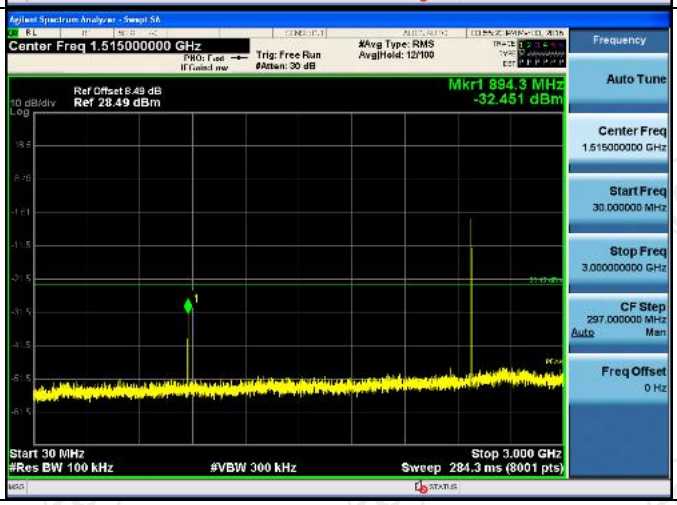

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 4.800 00 GHz
-42.743 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 7.439 375 GHz
-45.469 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 13.555 625 GHz
-46.596 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

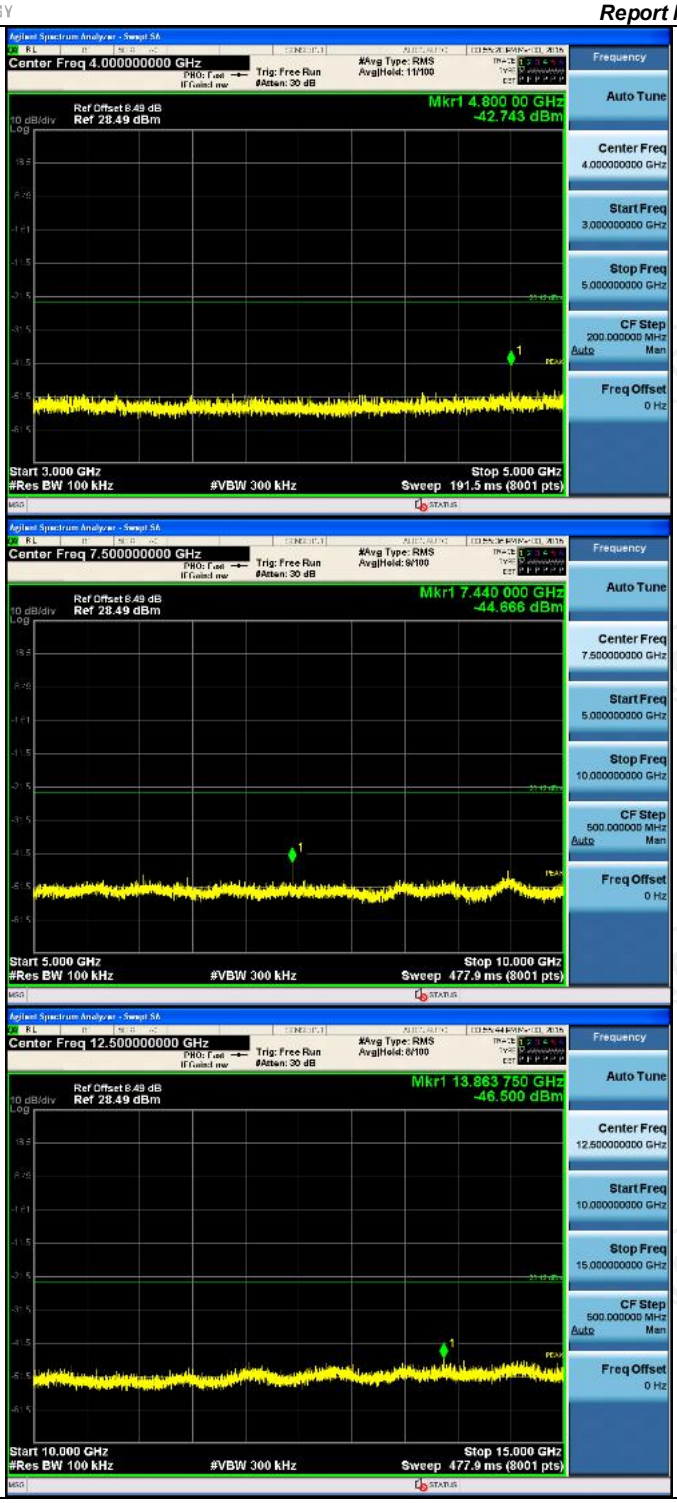
8DPSK_LCH_Graphs		
Pref		
Puw		


Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 4.800 00 GHz
-42.900 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 9.429 375 GHz
-48.019 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.69 dB
10 dB/div
Ref 28.59 dBm
Mkr1 12.830 625 GHz
-46.164 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

8DPSK_MCH_Graphs		
Pref		
Puw		


Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 4.800 00 GHz
-43.758 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 7.323 125 GHz
-44.080 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Mkr1 14.573 750 GHz
-45.429 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

8DPSK_HCH_Graphs		
Pref		
Puw		


Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 11/100
Frequency
Auto Tune
Mkr1 4.800 00 GHz
-42.743 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 9/100
Frequency
Auto Tune
Mkr1 7.440 000 GHz
-44.666 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)
Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/100
Frequency
Auto Tune
Mkr1 13.863 750 GHz
-46.500 dBm
Ref Offset 8.49 dB
10 dB/div
Ref 28.49 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

********END OF REPORT********