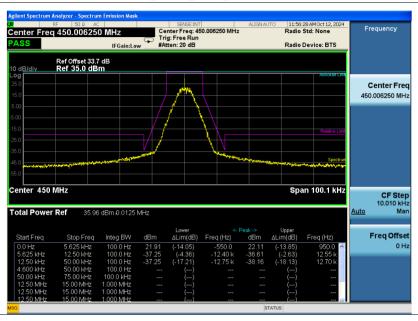


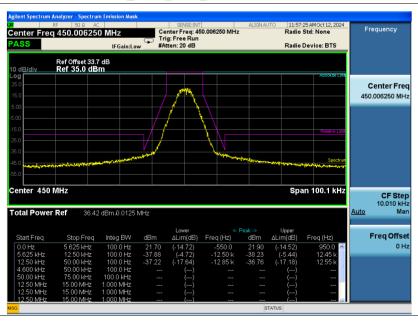
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#### **Emission Masks**

#### DL\_DMR\_LCH\_Pre-AGC



#### DL\_DMR\_LCH\_3dB above AGC



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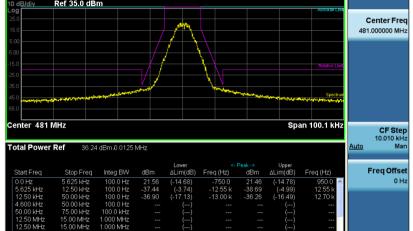
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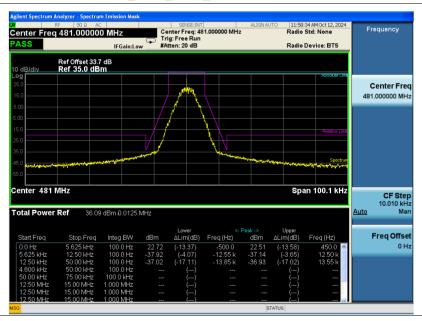


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## **Emission Masks** DL DMR MCH Pre-AGC Center Freq: 481.000000 MHz Trig: Free Run Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Freq



## DL DMR MCH 3dB above AGC



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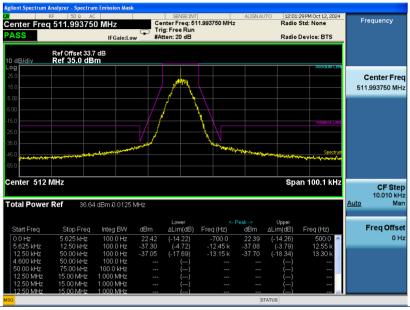
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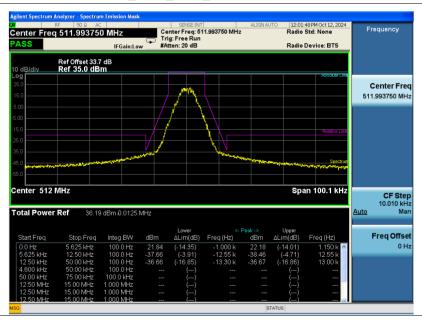


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# **Emission Masks** DL DMR HCH Pre-AGC



## DL DMR HCH 3dB above AGC





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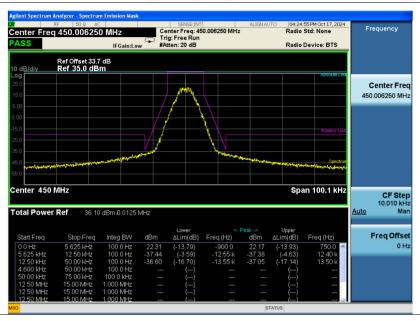
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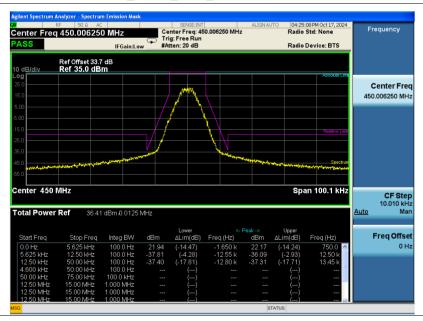
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## **Emission Masks**

#### DL C4FM LCH Pre-AGC



#### DL C4FM LCH 3dB above AGC



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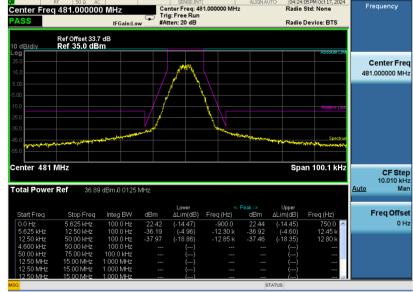
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# **Emission Masks** DL C4FM MCH Pre-AGC Center Freq: 481.000000 MHz Trig: Free Run Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Frea enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset DL C4FM MCH 3dB above AGC Center Freq: 481.000000 MHz Trig: Free Run #Atten: 20 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz



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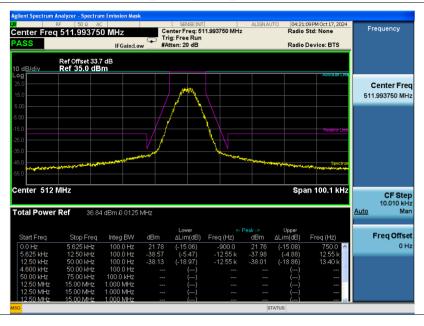
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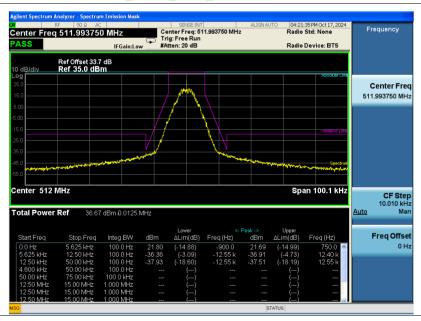
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#### **Emission Masks**

#### DL C4FM HCH Pre-AGC



#### DL\_C4FM\_HCH\_3dB above AGC



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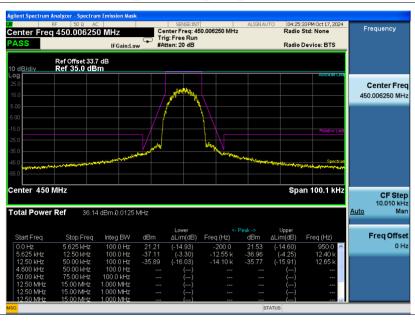
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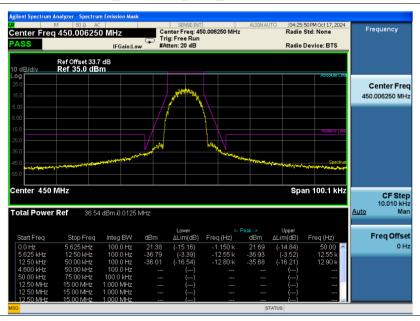
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#### **Emission Masks**

#### DL\_H-DQPSK\_LCH\_Pre-AGC



#### DL\_H-DQPSK\_LCH\_3dB above AGC



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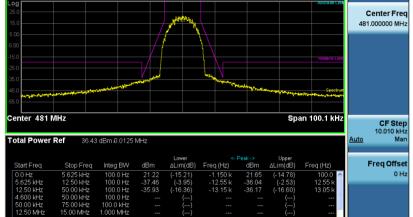
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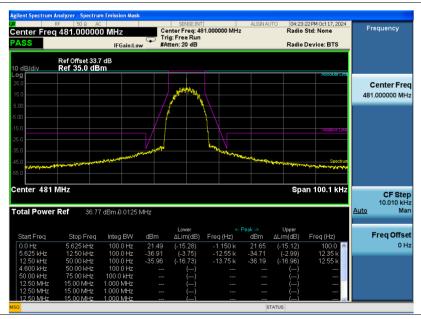


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## **Emission Masks** DL H-DQPSK MCH Pre-AGC SENSE:INT Center Freq: 481.000000 MHz Trig: Free Run #Atten: 20 dB Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Freq



## DL H-DQPSK MCH 3dB above AGC



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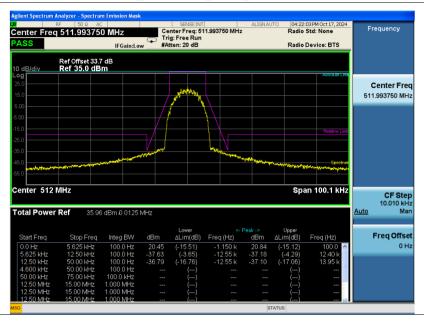
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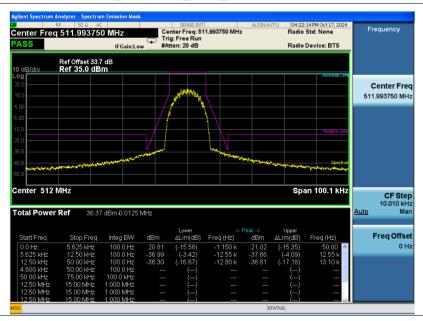
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#### **Emission Masks**

#### DL H-DQPSK HCH Pre-AGC



#### DL H-DQPSK HCH 3dB above AGC



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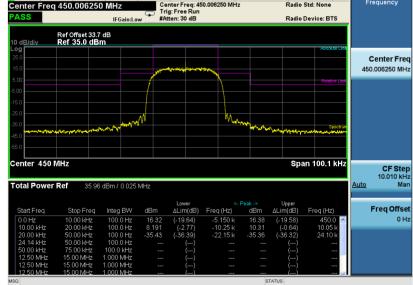
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# **Emission Masks** DL TETRA LCH Pre-AGC Center Freq: 450.006250 MHz Trig: Free Run #Atten: 30 dB Center Freq 450.006250 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Freq enter 450 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset DL TETRA LCH 3dB above AGC SENSE:INT| Center Freq: 450.006250 MHz Trig: Free Run #Atten: 30 dB Center Freq 450.006250 MHz Frequency Radio Device: BTS Center Fred 450.006250 MHz





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# **Emission Masks** DL TETRA MCH Pre-AGC Center Freq: 481.000000 MHz Trig: Free Run #Atten: 30 dB Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Frea enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset DL TETRA MCH 3dB above AGC SENSE:INT| Center Freq: 481.000000 MHz Trig: Free Run #Atten: 30 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz Span 100.1 kHz Center 481 MHz Total Power Ref



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Freq Offse



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# **Emission Masks** DL TETRA HCH Pre-AGC Center Freq: 511.993750 MHz Trig: Free Run #Atten: 30 dB Center Freq 511.993750 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 35.0 dBm Center Frea enter 512 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset DL\_TETRA\_HCH\_3dB above AGC SENSE:INT| Center Freq: 511.993750 MHz Trig: Free Run #Atten: 30 dB Center Freq 511.993750 MHz Frequency Radio Device: BTS Center Fred 511.993750 MHz Span 100.1 kHz Center 512 MHz Total Power Ref 34 45 dBm / 0 025 MH Freq Offse



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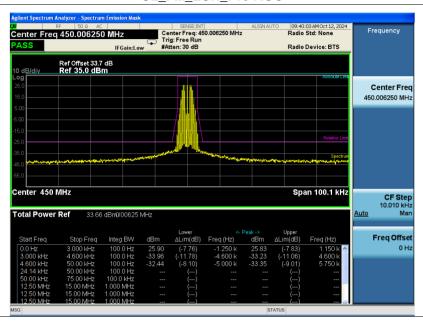
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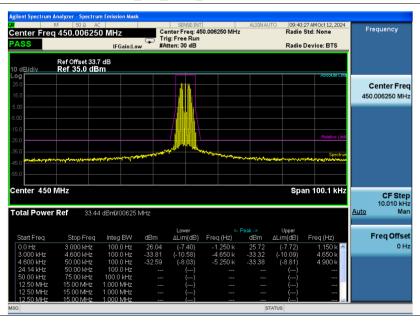
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#### **Emission Masks**

#### **UL FM LCH Pre-AGC**



#### UL\_FM\_LCH\_3dB above AGC



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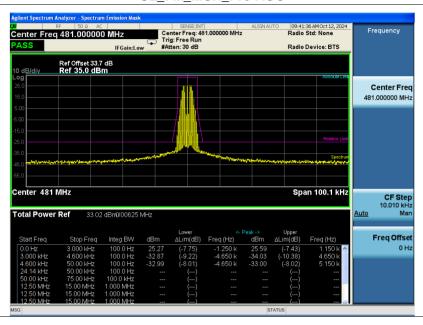
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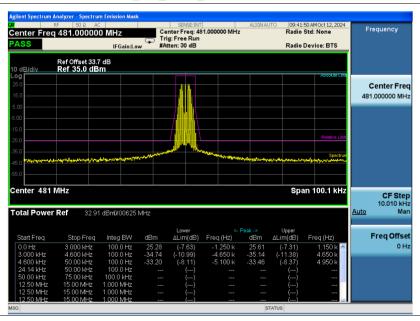
Page: 87 of 127 EMC-ARF-05 Rev 1.1

#### **Emission Masks**

#### **UL FM MCH Pre-AGC**



#### UL FM MCH 3dB above AGC





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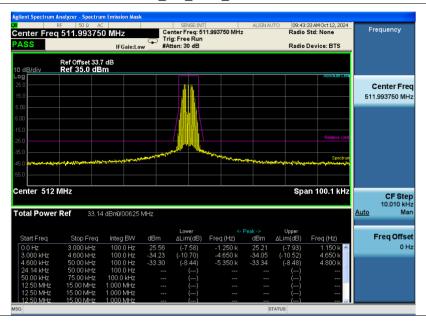
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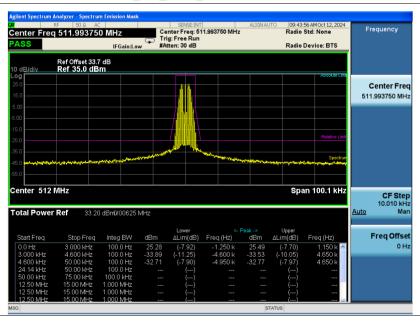


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## **Emission Masks UL FM HCH Pre-AGC**



## UL FM HCH 3dB above AGC





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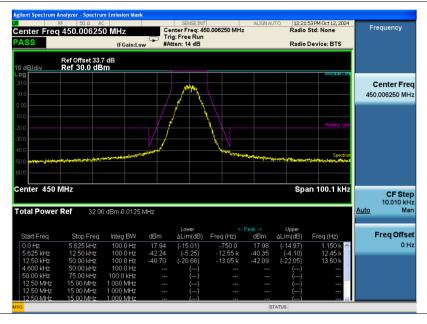
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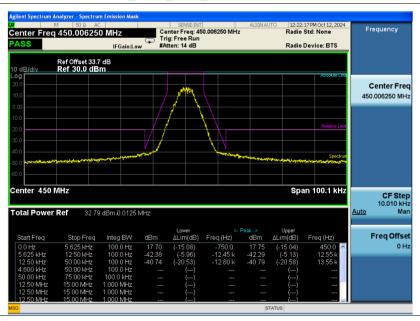
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# **Emission Masks**

## **UL DMR LCH Pre-AGC**



#### UL DMR LCH 3dB above AGC





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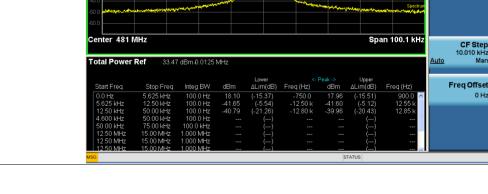
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# **Emission Masks UL DMR MCH Pre-AGC** SENSE:INT Center Freq: 481.000000 MHz Trig: Free Run #Atten: 14 dB Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 30.0 dBm Center Freq enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset UL DMR MCH 3dB above AGC SENSE:INT| Center Freq: 481.000000 MHz Trig: Free Run #Atten: 14 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz



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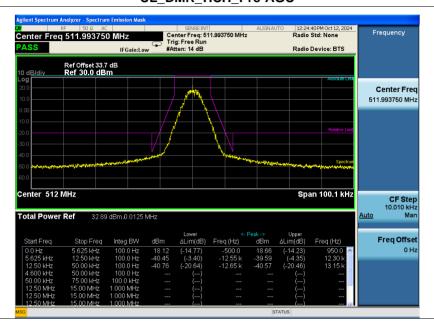
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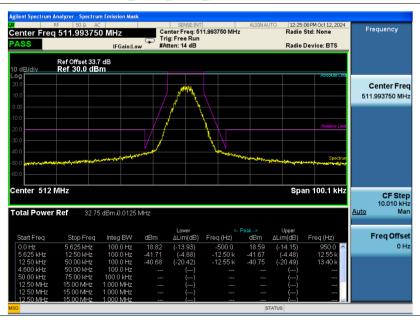


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## **Emission Masks UL DMR HCH Pre-AGC**



## UL DMR HCH 3dB above AGC



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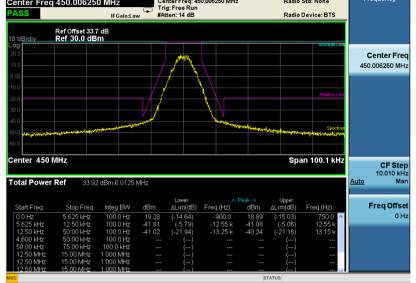
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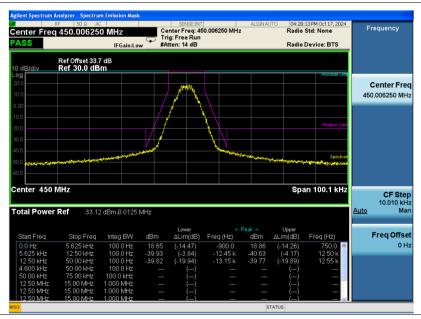


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## **Emission Masks** UL C4FM LCH Pre-AGC Center Freq: 450.006250 MHz Trig: Free Run Center Freq 450.006250 MHz Radio Device: BTS



## UL C4FM LCH 3dB above AGC





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Center 481 MHz Total Power Ref

## SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

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# **Emission Masks** UL C4FM MCH Pre-AGC Center Freq: 481.000000 MHz Trig: Free Run Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 30.0 dBm Center Frea enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset UL C4FM MCH 3dB above AGC SENSE:INT| Center Freq: 481.000000 MHz Trig: Free Run #Atten: 14 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz

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Span 100.1 kHz

Freq Offse

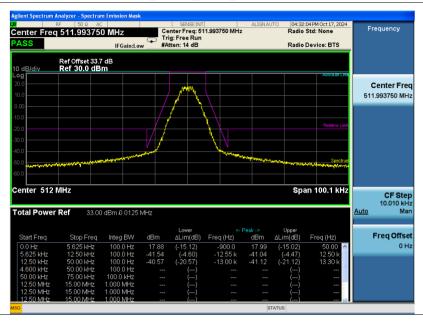
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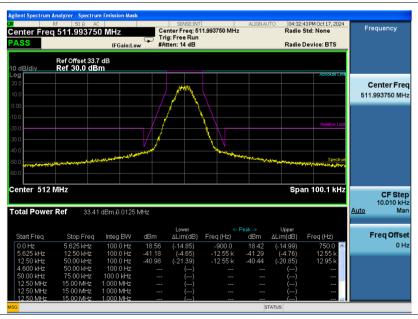


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## **Emission Masks** UL C4FM HCH Pre-AGC



## UL C4FM HCH 3dB above AGC





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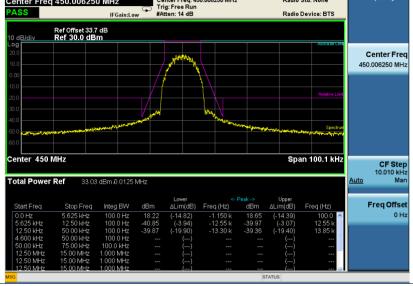
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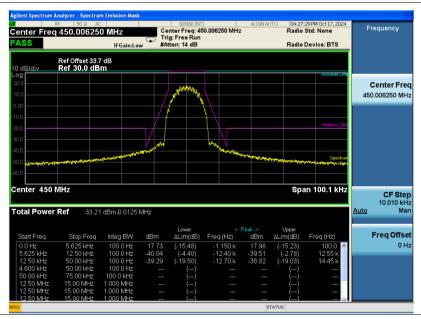


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## 



## UL\_H-DQPSK\_LCH\_3dB above AGC



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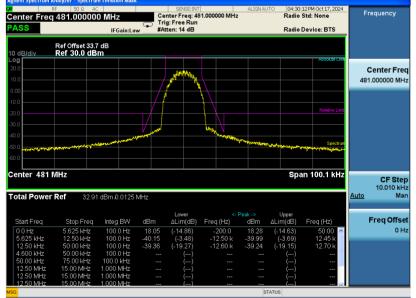
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# **Emission Masks UL H-DQPSK MCH Pre-AGC** Center Freq: 481.000000 MHz Trig: Free Run #Atten: 14 dB Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 30.0 dBm Center Freq enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset UL H-DQPSK MCH 3dB above AGC SENSE:INT| Center Freq: 481.000000 MHz Trig: Free Run #Atten: 14 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz





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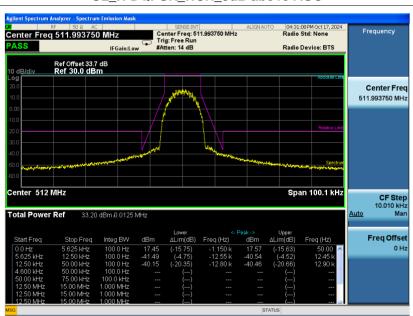


EMC-ARF-05 Rev 1.1 Page: 97 of 127

# Aglent Spectrum Analyzer - Spectrum Emission Mask UL\_H-DQPSK\_HCH\_Pre-AGC Aglent Spectrum Analyzer - Spectrum Emission Mask OR SOLD AG SEASCENTI ALIGNAUTO (04:30:47 PM Oct 17, 2024 PM Oct



UL\_H-DQPSK\_HCH\_3dB above AGC





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# **Emission Masks UL TETRA MCH Pre-AGC** Center Freq: 481.000000 MHz Trig: Free Run #Atten: 30 dB Center Freq 481.000000 MHz Radio Device: BTS Ref Offset 33.7 dB Ref 30.0 dBm Center Freq enter 481 MHz Span 100.1 kHz CF Step 10.010 kH Total Power Ref Freq Offset UL\_TETRA\_MCH\_3dB above AGC SENSE:INT| Center Freq: 481.000000 MHz Trig: Free Run #Atten: 30 dB Center Freq 481.000000 MHz Frequency Radio Device: BTS Center Fred 481.000000 MHz Span 100.1 kHz Center 481 MHz Total Power Ref Freq Offse



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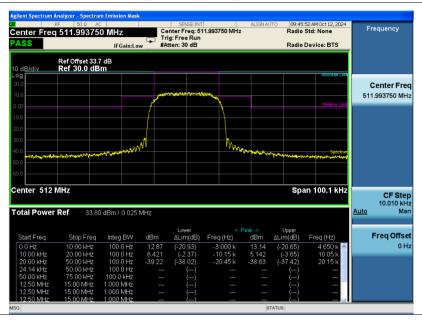
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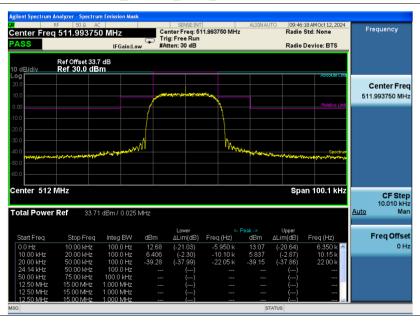
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#### **Emission Masks**

#### **UL TETRA HCH Pre-AGC**



#### UL\_TETRA\_HCH\_3dB above AGC





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## **5 Noise Figure**

Noise Figure							
Test path	Noise figure (dB)	Limit (dB)	Verdict				
DL	7.06		PASS				
UL	6.88	≤9	PASS				

## 6 Intermodulation

Intermodulation							
Test path	Test	CW signal spacing (kHz)	Signal level	Worst conducted test level (dBm)			
	frequency f0 (MHz)			300Hz measurement bandwidth	10kHz measurement bandwidth		
DL	453.7	6.25	Pre-AGC	-15.43	-0.20		
			3dB above AGC	-15.70	-0.47		
		12.5	Pre-AGC	-15.47	-0.24		
			3dB above AGC	-14.97	0.26		
		25	Pre-AGC	-15.50	-0.27		
			3dB above AGC	-15.25	-0.02		
UL	453.7	6.25	Pre-AGC	-24.13	-8.90		
			3dB above AGC	-24.53	-9.30		
		12.5	Pre-AGC	-23.96	-8.73		
			3dB above AGC	-22.83	-7.60		
		25	Pre-AGC	-23.10	-7.87		
			3dB above AGC	-24.44	-9.21		

#### Remark:

- 1. f0 is from Out-of-band Rejection test in the report.
- 2. The level in 10kHz measurement bandwidth= the level in 300Hz measurement bandwidth+ 10lg(10000/300).
- 3. ERP= conducted test level (dBm)+ antenna gain (dBi)- 2.15dB, the maximum antenna gain is 0dBi and declared by the manufacturer.
- 4. The ERP of worst intermodulation products is 0.26/10kHz+ 0dBi- 2.15dB= -1.89dBm, the applicant must use good engineering practice to make sure that the ERP of intermodulation products should not exceed -30dBm in 10kHz measurement bandwidth.



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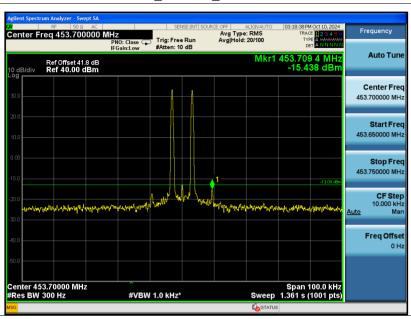
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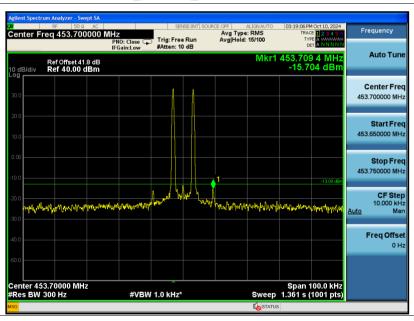
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#### Intermodulation

#### DL 6.25kHz Pre-AGC



#### DL 6.25kHz 3dB above AGC





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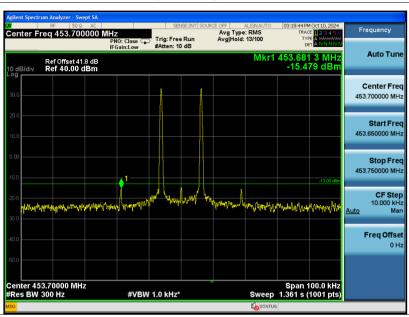
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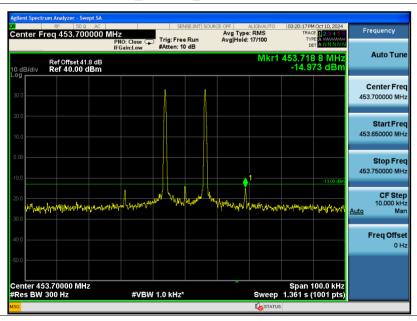
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#### Intermodulation

#### DL 12.5kHz Pre-AGC



#### DL 12.5kHz 3dB above AGC





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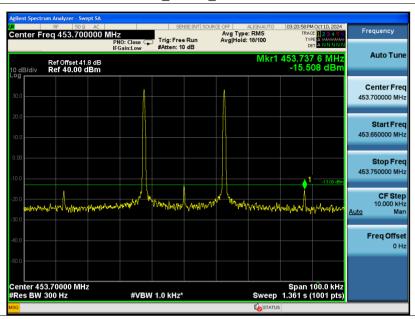
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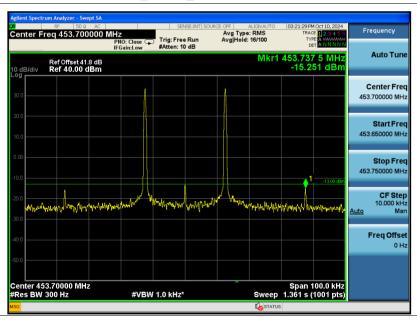
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#### Intermodulation

#### DL 25kHz Pre-AGC



#### DL\_25kHz\_3dB above AGC





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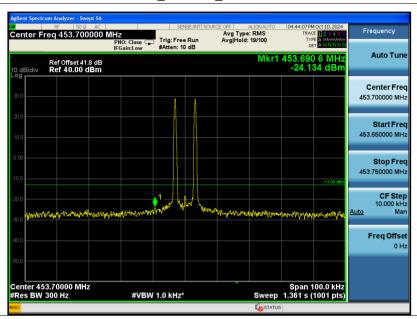
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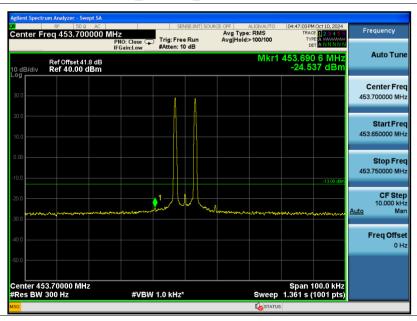
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#### Intermodulation

#### UL 6.25kHz Pre-AGC



#### UL 6.25kHz 3dB above AGC





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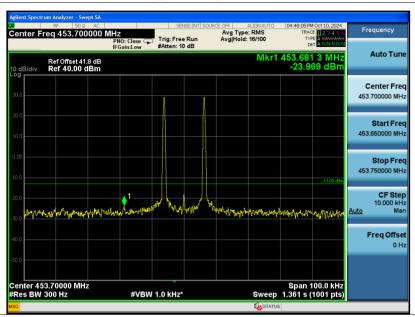
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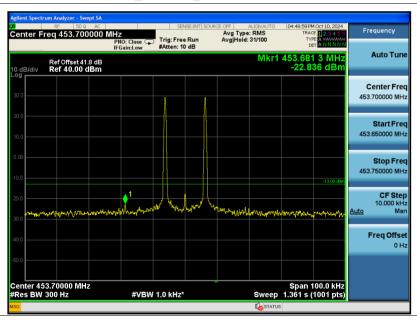
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#### Intermodulation

#### UL 12.5kHz Pre-AGC



#### UL 12.5kHz 3dB above AGC





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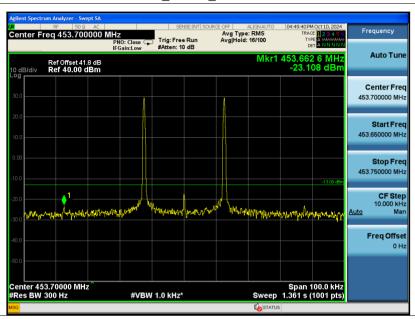
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#### Intermodulation

#### UL 25kHz Pre-AGC



#### UL\_25kHz\_3dB above AGC



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## 7 Conducted Spurious emissions

	Conducted Spurious emissions									
Test path	Test signal	Test channel	Frequency range (MHz)	Worst test level (dBm)	Limit (dBm)	Verdict				
DL CW		MCH	0.09-30	-40.33	≤-13	PASS				
	CW		30-1000	-17.57	≤-13	PASS				
			1000-5120	-24.71	≤-13	PASS				
UL			0.09-30	-42.87	≤-13	PASS				
	CW	MCH	30-1000	-19.34	≤-13	PASS				
			1000-5120	-24.21	≤-13	PASS				

Remark:

The conducted spurious emissions 9kHz to 30MHz were very low and not displayed test plots in this report.



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## **Conducted Spurious emissions** DL CW MCH Start Freq 30.000000 MHz Avg Type: Log-Pwr Avg|Hold:>100/100 PNO: Fast Trig: Free Run Auto Tune 491.72 MH -17.576 dBı Ref Offset 41.8 dB Ref 40.00 dBm Center Freq Start Freq 30.000000 MHz Stop Frea CF Step 97.000000 MHz Freq Offset Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Frequency Avg Type: Log-Pwr AvgIHold:>100/100 Start Freq 1.000000000 GHz 4.848 08 GHz -24.719 dBm Ref Offset 41.8 dB Ref 40.00 dBm Center Fred 3.060000000 GHz Start Freq 1.000000000 GHz Stop Frea 5.120000000 GHz <u>Auto</u> Freq Offset Stop 5.120 GHz Sweep 6.867 ms (1001 pts) Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz



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# **Conducted Spurious emissions UL CW MCH** Frequency Start Freg 30.000000 MHz Avg Type: Log-Pwi Avg|Hold:>100/100 PNO: Fast Trig: Free Run Ref Offset 41.8 dB Ref 40.00 dBm Center Fred Start Fred 30.000000 MH Stop Fred **CF Step** 97.000000 MHz <u>o</u> Man Freq Offset Stop 1.0000 GHz Sweep 92.73 ms (1001 pts) Frequency Avg Type: Log-Pwr AvgIHold:>100/100 Start Freq 1.000000000 GHz Auto Tun 3.195 96 GH: -24.219 dBn Ref Offset 41.8 dB Ref 40.00 dBm Center Fred 3.060000000 GHz Start Freq 1.000000000 GHz Stop Frea 5.120000000 GHz <u>Auto</u>



Start 1.000 GHz #Res BW 1.0 MHz

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Stop 5.120 GHz Sweep 6.867 ms (1001 pts)

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#VBW 3.0 MHz

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Freq Offset



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#### 8 Noise

Noise within the passband								
Test path	Frequency range (MHz)	Worst conducted test level (dBm)						
DL	450-512	-21.24						
UL	450-512	-20.54						
	Noise outside of the passband							
Test path	Frequency range (MHz)	Worst conducted test level (dBm)						
	0.009-30	-41.02						
DL	30-449	-38.34						
	513-5120	-36.76						
	0.009-30	-42.61						
UL	30-449	-24.82						
	513-5120	-23.96						

#### Remark:

- 1. ERP= conducted test level (dBm)+ antenna gain (dBi)- 2.15dB, the antenna gain is 0dBi declared by the manufacturer.
- 2. The ERP of worst noise within the passband is -20.54/10kHz+ 0dBi- 2.15dB= -22.69dBm, the applicant must use good engineering practice to make sure that the ERP of noise within the passband should not exceed -43dBm in 10kHz measurement bandwidth.
- 3. The ERP of worst noise outside of the passband is -23.96/10kHz+ 0dBi- 2.15dB= -26.11dBm, the applicant must use good engineering practice to make sure that the ERP of noise outside the passband should not exceed -70dBm in 10kHz measurement bandwidth.
- 4. The noise 9kHz to 30MHz were very low and not displayed test plots in this report.



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#### Noise within the passband

DL



UL



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#### Noise outside the passband

UL







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### 9 Frequency Stability

	_		Frequency s	tability vs volta			
Test path	Test Signal	Test Channel	Temperature	Voltage	Freq. error (Hz)	Tolerance (ppm)	Verdict
	FM	MCH	TN	VL	2.9	0.0060	PASS
	1 101	WIGHT	TN	VH	3.3	0.0069	PASS
	21.12		TN	VL	2.7	0.0056	PASS
	DMR	MCH	TN	VH	3.1	0.0064	PASS
D.	0.4514		TN	VL	2.3	0.0048	PASS
DL	C4FM	MCH	TN	VH	3.2	0.0067	PASS
	11 000016		TN	VL	2.6	0.0054	PASS
	H-DQPSK	MCH	TN	VH	3.5	0.0073	PASS
	TETRA	ETRA MCH	TN	VL	3.5	0.0073	PASS
			TN	VH	3.0	0.0062	PASS
	FM	MCH	TN	VL	2.5	0.0052	PASS
	1 101	IVICIT	TN	VH	1.2	0.0025	PASS
	DIAD		TN	VL	2.2	0.0046	PASS
	DMR	MCH	TN	VH	3.3	0.0069	PASS
	0.4514		TN	VL	2.5	0.0052	PASS
UL	C4FM	MCH	TN	VH	3.1	0.0064	PASS
	II DODG!	NACH	TN	VL	3.1	0.0064	PASS
	H-DQPSK	MCH	TN	VH	3.5	0.0073	PASS
	TETD 4	MOLL	TN	VL	2.1	0.0044	PASS
	TETRA	MCH	TN	VH	1.5	0.0031	PASS



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		F	requency sta	ability vs temperat	ure		
Test Path	Test Signal	Test Channel	Voltage	Temperature (°C)	Freq. error (Hz)	Tolerance (ppm)	Verdict
			VN	+50	2.0	0.0042	PASS
			VN	+40	1.3	0.0027	PASS
			VN	+30	2.8	0.0058	PASS
			VN	+20	1.6	0.0033	PASS
	FM	MCH	VN	+10	1.4	0.0029	PASS
			VN	0	3.4	0.0071	PASS
			VN	-10	2.1	0.0044	PASS
			VN	-20	3.7	0.0077	PASS
			VN	-30	4.0	0.0083	PASS
			VN	+50	1.7	0.0035	PASS
			VN	+40	1.3	0.0027	PASS
		_	VN	+30	3.2	0.0067	PASS
			VN	+20	4.0	0.0083	PASS
DL	DMR	MCH	VN	+10	1.4	0.0029	PASS
		-	VN	0	2.6	0.0054	PASS
			VN	-10	1.7	0.0035	PASS
			VN	-20	1.3	0.0027	PASS
			VN	-30	3.6	0.0075	PASS
			VN	+50	2.6	0.0054	PASS
			VN	+40	3.3	0.0069	PASS
			VN	+30	3.7	0.0077	PASS
			VN	+20	3.6	0.0075	PASS
	C4FM	MCH	VN	+10	1.9	0.0040	PASS
			VN	0	3.6	0.0075	PASS
			VN	-10	1.2	0.0025	PASS
			VN	-20	2.0	0.0042	PASS
			VN	-30	1.3	0.0027	PASS



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		ŀ	requency sta	ability vs temperat	ure		
Test Path	Test Signal	Test Channel	Voltage	Temperature (°C)	Freq. error (Hz)	Tolerance (ppm)	Verdict
			VN	+50	3.4	0.0071	PASS
			VN	+40	1.8	0.0037	PASS
			VN	+30	2.1	0.0044	PASS
			VN	+20	1.3	0.0027	PASS
	D-HQPSK	MCH	VN	+10	1.7	0.0035	PASS
			VN	0	2.5	0.0052	PASS
			VN	-10	1.5	0.0031	PASS
			VN	-20	1.6	0.0033	PASS
D.			VN	-30		0.0056	PASS
DL			VN	+50	1.6	0.0033	PASS
			VN	+40	2.0	0.0042	PASS
			VN	+30	3.5	0.0073	PASS
			VN	+20	2.2	0.0046	PASS
	TRTRA	MCH	VN	+10	2.3	0.0048	PASS
			VN	0	3.7	0.0077	PASS
			VN	-10	1.5	0.0031	PASS
			VN	-20	1.6	0.0033	PASS
			VN	-30	3.4	0.0071	PASS
			VN	+50	1.7	0.0035	PASS
			VN	+40	2.2	0.0046	PASS
			VN	+30	1.9	0.0040	PASS
			VN	+20	3.9	0.0081	PASS
UL	FM	МСН	VN	+10	4.0	0.0083	PASS
			VN	0	1.5	0.0031	PASS
			VN	-10	2.2	0.0046	PASS
			VN	-20	3.4	0.0071	PASS
			VN	-30	1.8	0.0037	PASS



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		F	requency sta	ability vs temperat	ture		
Test Path	Test Signal	Test Channel	Voltage	Temperature (°C)	Freq. error (Hz)	Tolerance (ppm)	Verdic
			VN	+50	3.5	0.0073	PASS
			VN	+40	1.2	0.0025	PASS
			VN	+30	2.7	0.0056	PASS
			VN	+20	2.2	0.0046	PASS
	DMR	MCH	VN	+10	3.9	0.0081	PASS
			VN	0	3.1	0.0064	PASS
			VN	-10	1.5	0.0031	PASS
			VN	-20	2.0	0.0042	PASS
			VN	-30	2.1	0.0044	PASS
			VN	+50	2.0	0.0042	PASS
		-	VN	+40	3.0	0.0062	PASS
			VN	+30	3.1	0.0064	PASS
			VN	+20	1.4	0.0029	PASS
UL	C4FM	MCH	VN	+10	3.7	0.0077	PASS
			VN	0	3.2	0.0067	PASS
			VN	-10	1.4	0.0029	PASS
			VN	-20	1.3	0.0027	PASS
			VN	-30	3.7	0.0077	PASS
			VN	+50	1.2	0.0025	PASS
			VN	+40	2.5	0.0052	PASS
			VN	+30	2.0	0.0042	PASS
			VN	+20	4.1	0.0085	PASS
	D-HQPSK	MCH	VN	+10	1.4	0.0029	PASS
			VN	0	2.1	0.0044	PASS
			VN	-10	3.9	0.0081	PASS
			VN	-20	3.5	0.0073	PASS
			VN	-30	1.2	0.0025	PASS



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			Frequency sta	ability vs temperat	ture		
Test Path	Test Signal	Test Channel	Voltage	Temperature (°C)	Freq. error (Hz)	Tolerance (ppm)	Verdict
			VN	+50	3.3	0.0069	PASS
			VN	+40	1.3	0.0027	PASS
		VN	+30	2.8	0.0058	PASS	
		МСН	VN	+20	2.4	0.0050	PASS
UL	TETRA		VN	+10	3.0	0.0062	PASS
			VN	0	3.3	0.0069	PASS
			VN	-10	1.3	0.0027	PASS
			VN	-20	2.8	0.0058	PASS
			VN	-30	2.4	0.0050	PASS



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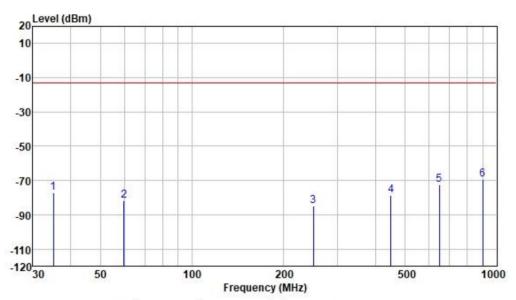


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### 10 Radiated Spurious emissions

#### **Radiated Spurious emissions**

DL CW MCH 30MHz-1GHz Horizontal



		Read C	orrection	on	Limit	0ver		
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase	
72	MHz	dBm	dB	dBm	dBm	dB	- 30	
1	35.00	-80.01	2.87	-77.14	-13.00	-64.14	HORIZONTAL	
2	59.65	-79.08	-2.49	-81.57	-13.00	-68.57	HORIZONTAL	
3	250.30	-79.54	-5.40	-84.94	-13.00	-71.94	HORIZONTAL	
4	449.56	-78.73	0.25	-78.48	-13.00	-65.48	HORIZONTAL	
5	647.39	-76.41	3.77	-72.64	-13.00	-59.64	HORIZONTAL	
6	900.15	-78.70	9.45	-69.25	-13.00	-56.25	HORIZONTAL	

Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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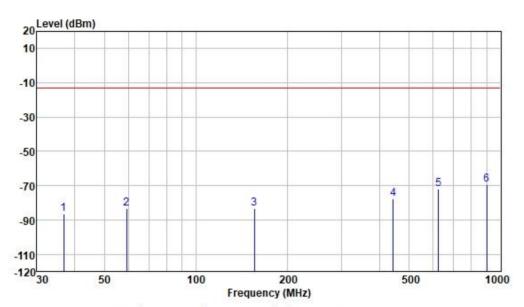
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#### **Radiated Spurious emissions**

DL CW MCH 30MHz-1GHz Vertical



		orrection	rrection		0ver		
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	3
1	36.77	-78.40	-7.82	-86.22	-13.00	-73.22	VERTICAL
2	59.23	-80.86	-2.32	-83.18	-13.00	-70.18	VERTICAL
3	155.36	-79.40	-3.94	-83.34	-13.00	-70.34	VERTICAL
4	443.29	-78.94	1.41	-77.53	-13.00	-64.53	VERTICAL
5	625.08	-76.41	4.45	-71.96	-13.00	-58.96	VERTICAL
6	900.15	-80.17	10.65	-69.52	-13.00	-56.52	VERTICAL

#### Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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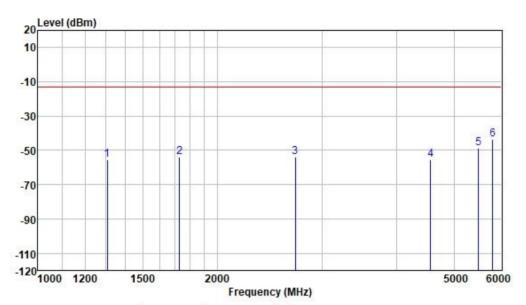
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#### **Radiated Spurious emissions**

DL CW MCH above 1GHz Horizontal



		Read C	orrection	on	Limit	0ver		
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase	
	MHz	dBm	dB	dBm	dBm	dB	60	
1	1308.35	-59.23	3.95	-55.28	-13.00	-42.28	HORIZONTAL	
2	1727.17	-60.06	6.24	-53.82	-13.00	-40.82	HORIZONTAL	
3	2703.17	-58.39	4.44	-53.95	-13.00	-40.95	HORIZONTAL	
4	4561.36	-62.16	6.88	-55.28	-13.00	-42.28	HORIZONTAL	
5	5485.85	-63.05	14.36	-48.69	-13.00	-35.69	HORIZONTAL	
6	5788.80	-58.76	15.33	-43.43	-13.00	-30.43	HORIZONTAL	

#### Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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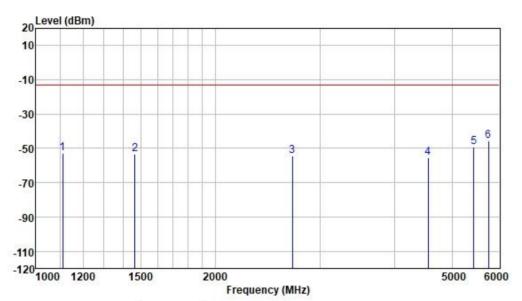
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#### **Radiated Spurious emissions**

DL CW MCH above 1GHz Vertical



	Read C	orrection	on	Limit	0ver	
Freq	Level	Factor	Level	Line	Limit	Pol/Phase
MHz	dBm	dB	dBm	dBm	dB	- 50
1109.51	-57.42	4.39	-53.03	-13.00	-40.03	VERTICAL
1467.32	-59.74	6.26	-53.48	-13.00	-40.48	VERTICAL
2693.50	-59.35	5.07	-54.28	-13.00	-41.28	VERTICAL
4553.19	-62.11	6.44	-55.67	-13.00	-42.67	VERTICAL
5427.19	-62.75	13.66	-49.09	-13.00	-36.09	VERTICAL
5747.46	-60.01	14.57	-45.44	-13.00	-32.44	VERTICAL
	MHz 1109.51 1467.32 2693.50 4553.19 5427.19	Freq Level  MHz dBm  1109.51 -57.42 1467.32 -59.74 2693.50 -59.35 4553.19 -62.11 5427.19 -62.75	MHz dBm dB  1109.51 -57.42 4.39 1467.32 -59.74 6.26 2693.50 -59.35 5.07 4553.19 -62.11 6.44 5427.19 -62.75 13.66	Freq         Level         Factor         Level           MHz         dBm         dB         dBm           1109.51         -57.42         4.39         -53.03           1467.32         -59.74         6.26         -53.48           2693.50         -59.35         5.07         -54.28           4553.19         -62.11         6.44         -55.67           5427.19         -62.75         13.66         -49.09	Freq         Level         Factor         Level         Line           MHz         dBm         dB         dBm         dBm           1109.51         -57.42         4.39         -53.03         -13.00           1467.32         -59.74         6.26         -53.48         -13.00           2693.50         -59.35         5.07         -54.28         -13.00           4553.19         -62.11         6.44         -55.67         -13.00           5427.19         -62.75         13.66         -49.09         -13.00	Freq         Level         Factor         Level         Line         Limit           MHz         dBm         dB         dBm         dBm         dB           1109.51         -57.42         4.39         -53.03         -13.00         -40.03           1467.32         -59.74         6.26         -53.48         -13.00         -40.48           2693.50         -59.35         5.07         -54.28         -13.00         -41.28           4553.19         -62.11         6.44         -55.67         -13.00         -42.67           5427.19         -62.75         13.66         -49.09         -13.00         -36.09

### Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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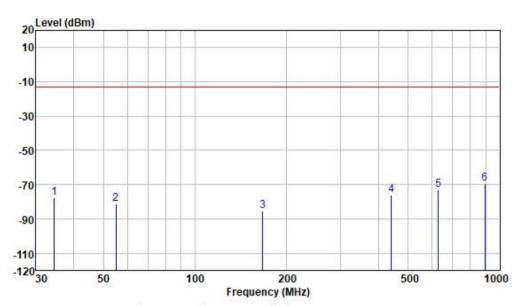
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#### **Radiated Spurious emissions**

UL CW MCH 30MHz-1GHz Horizontal



		Read Correction			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase
72	MHz	dBm	dB	dBm	dBm	dB	
1	34.52	-80.40	2.91	-77.49	-13.00	-64.49	HORIZONTAL
2	55.03	-79.39	-1.94	-81.33	-13.00	-68.33	HORIZONTAL
3	166.65	-79.07	-6.26	-85.33	-13.00	-72.33	HORIZONTAL
4	440.20	-76.53	0.22	-76.31	-13.00	-63.31	HORIZONTAL
5	629.48	-76.49	3.52	-72.97	-13.00	-59.97	HORIZONTAL
6	893.86	-78.71	9.15	-69.56	-13.00	-56.56	HORIZONTAL

#### Remark:

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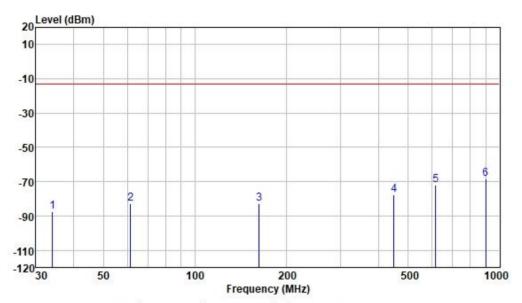
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#### **Radiated Spurious emissions**

UL CW MCH 30MHz-1GHz Vertical



		Read C	orrection	on	Limit	0ver		
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase	
	MHz	dBm	dB	dBm	dBm	dB	5	
1	34.04	-79.90	-7.59	-87.49	-13.00	-74.49	VERTICAL	
2	61.35	-79.99	-2.67	-82.66	-13.00	-69.66	VERTICAL	
3	162.04	-78.96	-3.94	-82.90	-13.00	-69.90	VERTICAL	
4	449.56	-79.09	1.48	-77.61	-13.00	-64.61	VERTICAL	
5	616.37	-76.46	4.34	-72.12	-13.00	-59.12	VERTICAL	
6	900.15	-79.07	10.65	-68.42	-13.00	-55.42	VERTICAL	

#### Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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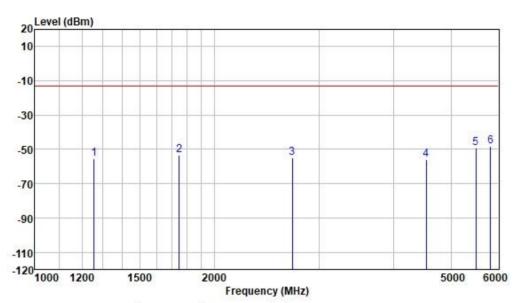
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#### **Radiated Spurious emissions**

UL CW MCH above 1GHz Horizontal



		Read C	orrection	Limit	0ver		
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	53
1	1257.78	-59.22	3.99	-55.23	-13.00	-42.23	HORIZONTAL
2	1745.84	-59.23	6.08	-53.15	-13.00	-40.15	HORIZONTAL
3	2703.17	-59.35	4.44	-54.91	-13.00	-41.91	HORIZONTAL
4	4536.91	-62.37	6.53	-55.84	-13.00	-42.84	HORIZONTAL
5	5495.69	-63.60	14.53	-49.07	-13.00	-36.07	HORIZONTAL
6	5809.58	-63.63	15.38	-48.25	-13.00	-35.25	HORIZONTAL

Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.



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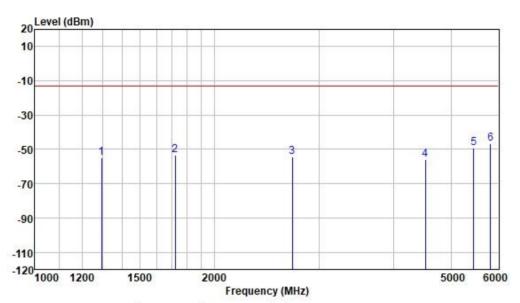
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#### **Radiated Spurious emissions**

UL CW MCH above 1GHz Vertical



		Read Correction			Limit	0ver	
	Freq	Level	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	5.5
1	1294.36	-59.34	4.32	-55.02	-13.00	-42.02	VERTICAL
2	1721.00	-58.88	5.67	-53.21	-13.00	-40.21	VERTICAL
3	2703.17	-59.39	5.02	-54.37	-13.00	-41.37	VERTICAL
4	4520.68	-62.30	6.17	-56.13	-13.00	-43.13	VERTICAL
5	5446.67	-63.04	13.90	-49.14	-13.00	-36.14	VERTICAL
6	5809.58	-62.63	15.99	-46.64	-13.00	-33.64	VERTICAL

### Remark:

The spurious emissions 9kHz to 30MHz and above 18GHz were very low and not displayed in this report.

### -- End of Appendix--



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