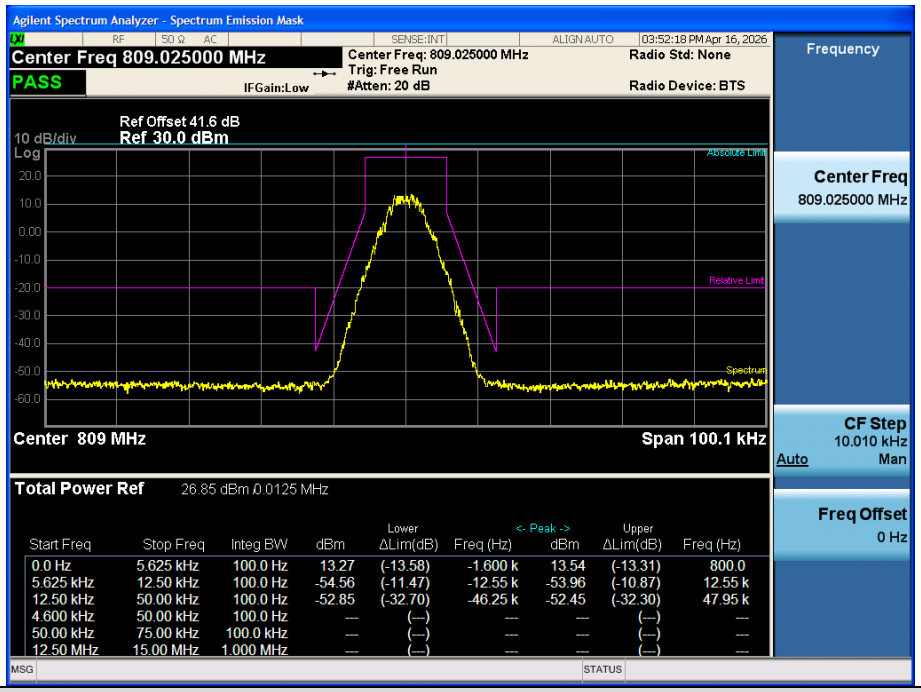
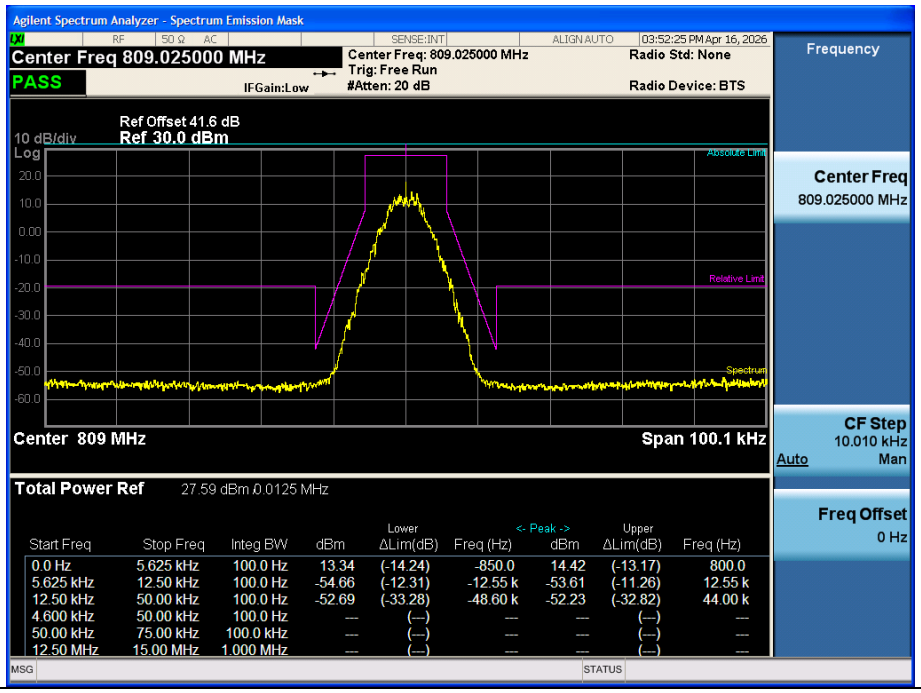
Emission Masks

UL_C4FM_LCH_Pre-AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	13.27	(-13.58)	-1.600 k	13.54	(-13.31)	800.0
5.625 kHz	12.50 kHz	100.0 Hz	-54.56	(-11.47)	-12.55 k	-53.96	(-10.87)	12.55 k
12.50 kHz	50.00 kHz	100.0 Hz	-52.85	(-32.70)	-46.25 k	-52.45	(-32.30)	47.95 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

UL_C4FM_LCH_3dB above AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	13.34	(-14.24)	-850.0	14.42	(-13.17)	800.0
5.625 kHz	12.50 kHz	100.0 Hz	-54.66	(-12.31)	-12.55 k	-53.61	(-11.26)	12.55 k
12.50 kHz	50.00 kHz	100.0 Hz	-52.69	(-33.28)	-48.60 k	-52.23	(-32.82)	44.00 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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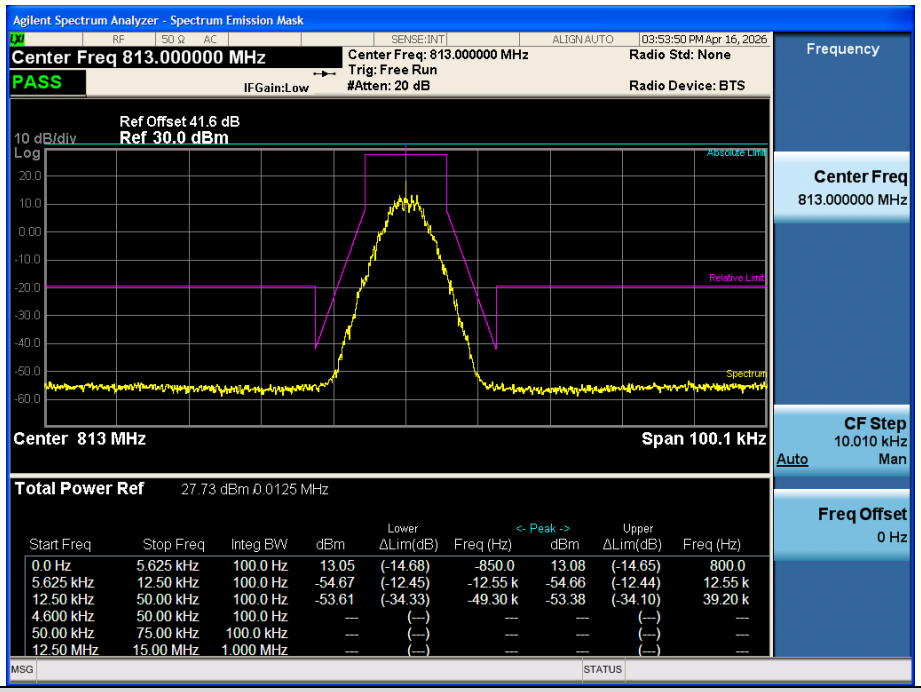
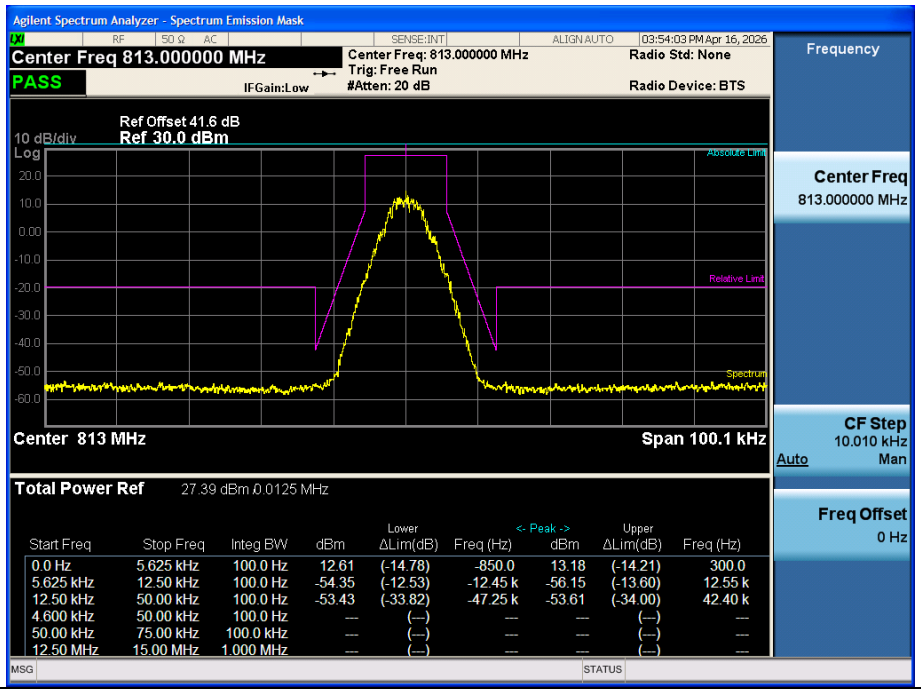
Emission Masks

UL_C4FM_MCH_Pre-AGC



UL_C4FM_MCH_3dB above AGC



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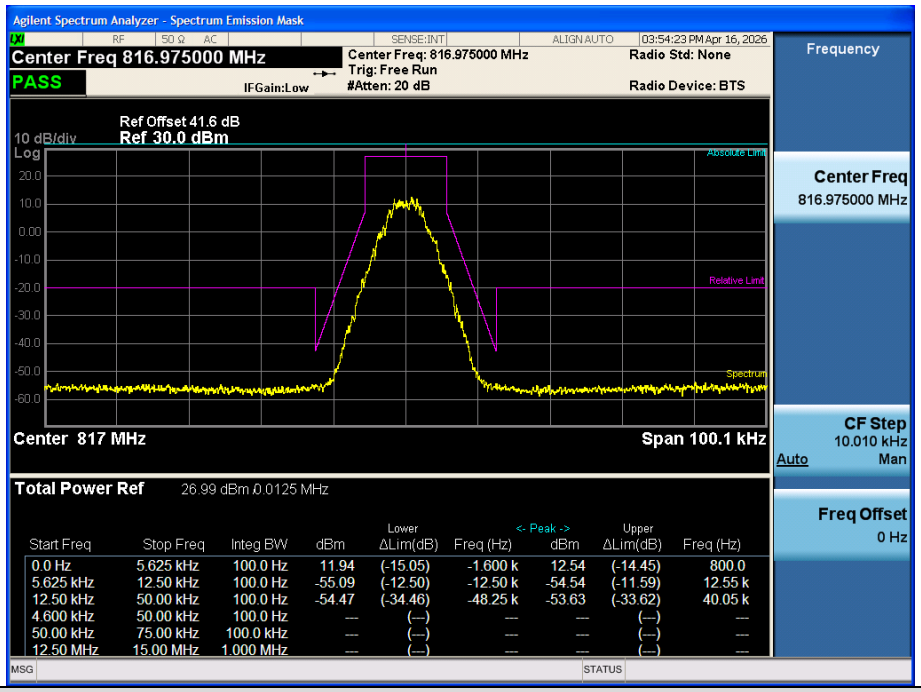
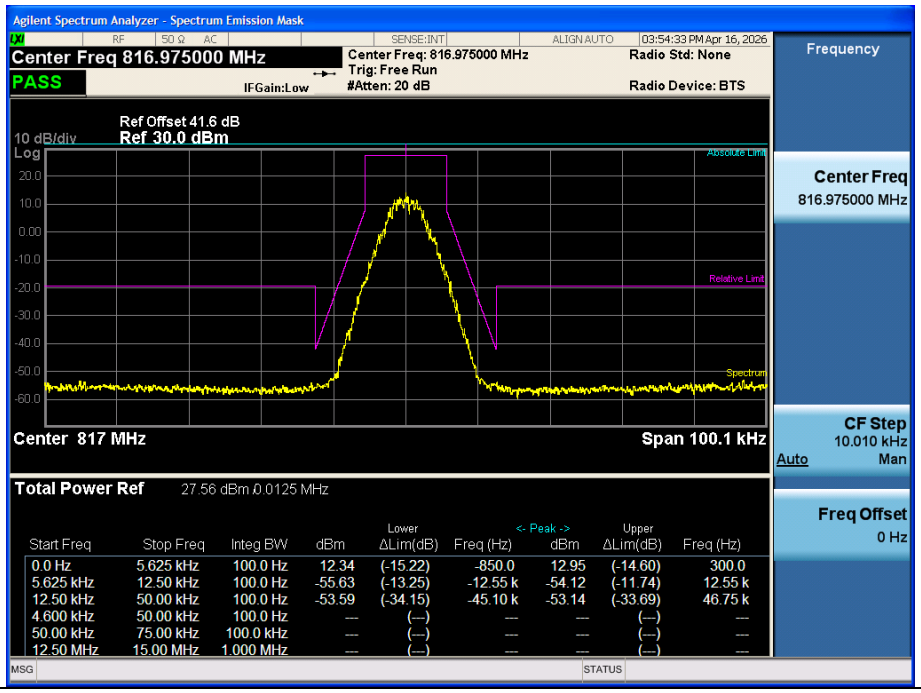
Emission Masks

UL_C4FM_HCH_Pre-AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	11.94	(-15.05)	-1.600 k	12.54	(-14.45)	800.0
5.625 kHz	12.50 kHz	100.0 Hz	-55.09	(-12.50)	-12.50 k	-54.54	(-11.59)	12.55 k
12.50 kHz	50.00 kHz	100.0 Hz	-54.47	(-34.46)	-48.25 k	-53.63	(-33.62)	40.05 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

UL_C4FM_HCH_3dB above AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	12.34	(-15.22)	-850.0	12.95	(-14.60)	300.0
5.625 kHz	12.50 kHz	100.0 Hz	-55.63	(-13.25)	-12.55 k	-54.12	(-11.74)	12.55 k
12.50 kHz	50.00 kHz	100.0 Hz	-53.59	(-34.15)	-45.10 k	-53.14	(-33.69)	46.75 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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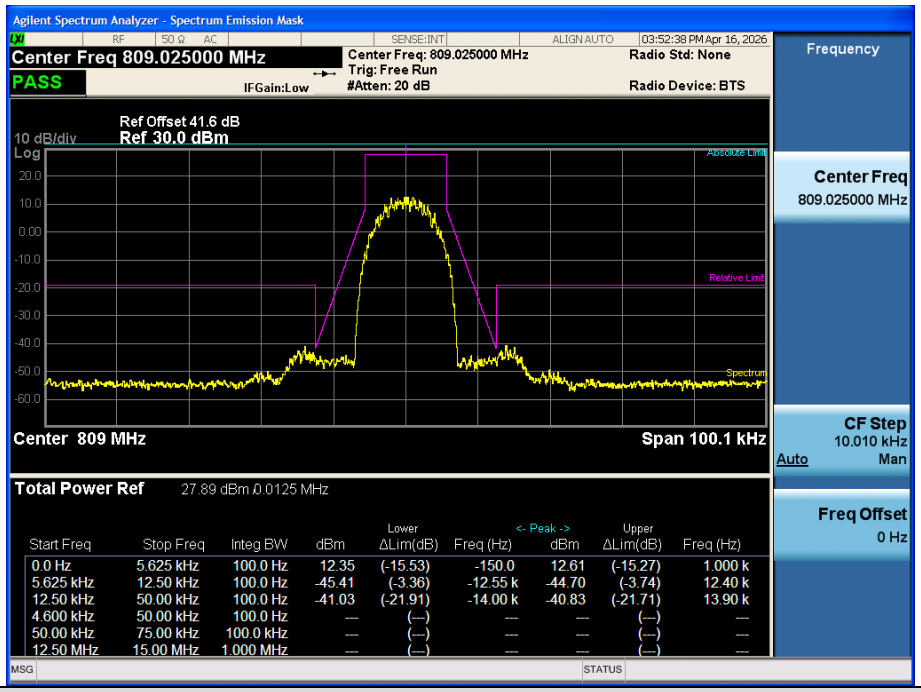
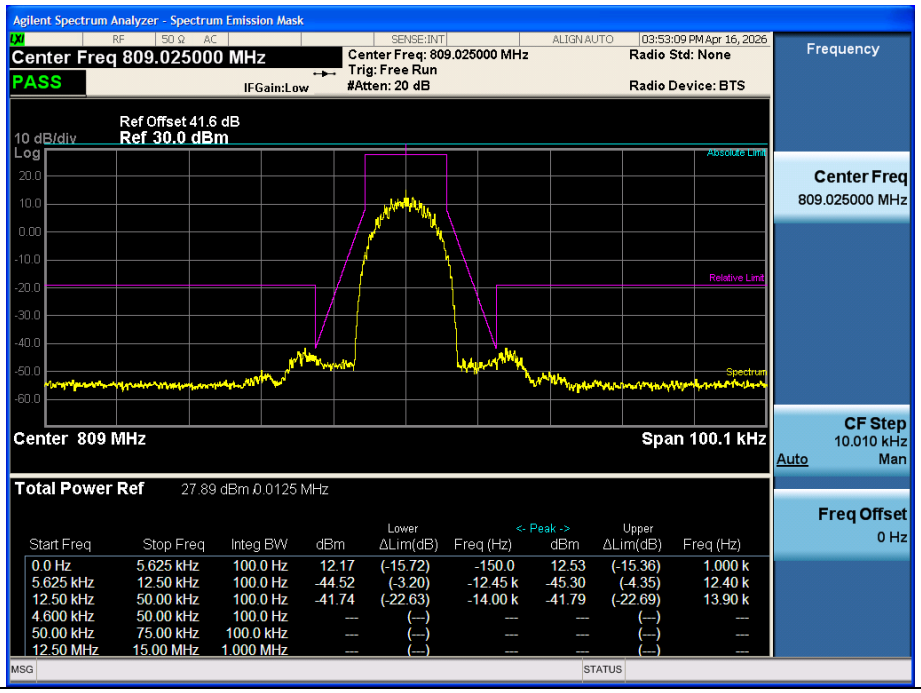
Emission Masks

UL_H-DQPSK_LCH_Pre-AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	12.35	(-15.53)	-150.0	12.61	(-15.27)	1.000 k
5.625 kHz	12.50 kHz	100.0 Hz	-45.41	(-3.36)	-12.55 k	-44.70	(-3.74)	12.40 k
12.50 kHz	50.00 kHz	100.0 Hz	-41.03	(-21.91)	-14.00 k	-40.83	(-21.71)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

UL_H-DQPSK_LCH_3dB above AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	12.17	(-15.72)	-150.0	12.53	(-15.36)	1.000 k
5.625 kHz	12.50 kHz	100.0 Hz	-44.52	(-3.20)	-12.45 k	-45.30	(-4.35)	12.40 k
12.50 kHz	50.00 kHz	100.0 Hz	-41.74	(-22.63)	-14.00 k	-41.79	(-22.69)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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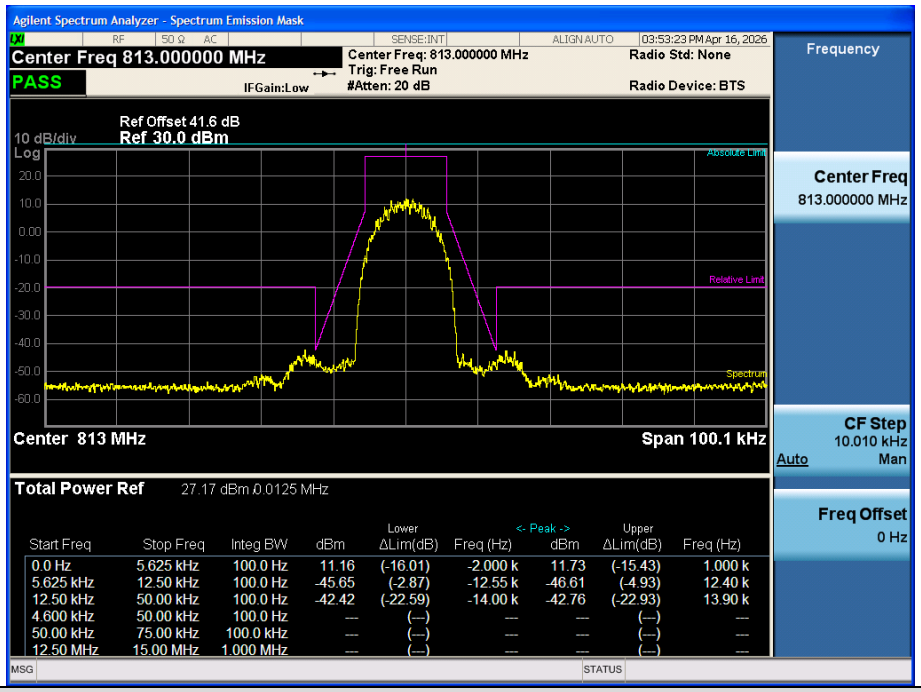
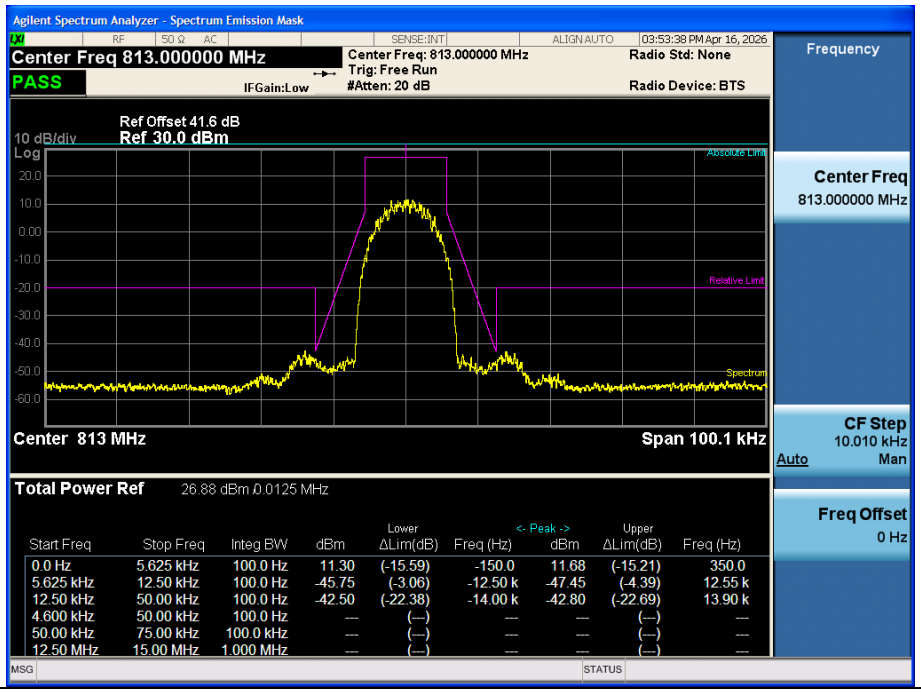
Emission Masks

UL_H-DQPSK_MCH_Pre-AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	11.16	(-16.01)	-2.000 k	11.73	(-15.43)	1.000 k
5.625 kHz	12.50 kHz	100.0 Hz	-45.65	(-2.87)	-12.55 k	-46.61	(-4.93)	12.40 k
12.50 kHz	50.00 kHz	100.0 Hz	-42.42	(-22.59)	-14.00 k	-42.76	(-22.93)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

UL_H-DQPSK_MCH_3dB above AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	11.30	(-15.59)	-150.0	11.68	(-15.21)	350.0
5.625 kHz	12.50 kHz	100.0 Hz	-45.75	(-3.06)	-12.50 k	-47.45	(-4.39)	12.55 k
12.50 kHz	50.00 kHz	100.0 Hz	-42.50	(-22.38)	-14.00 k	-42.80	(-22.69)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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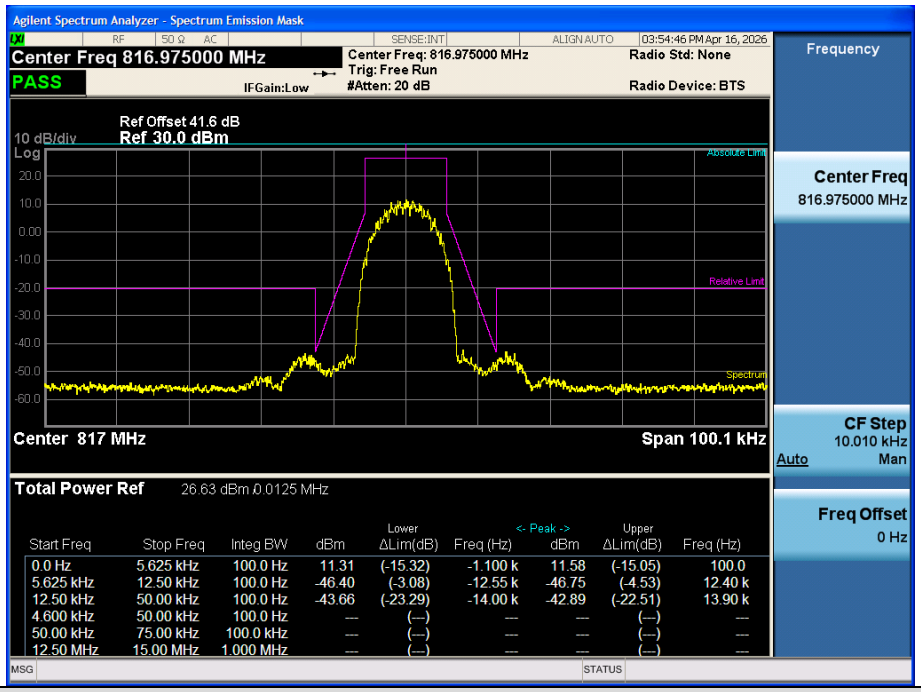
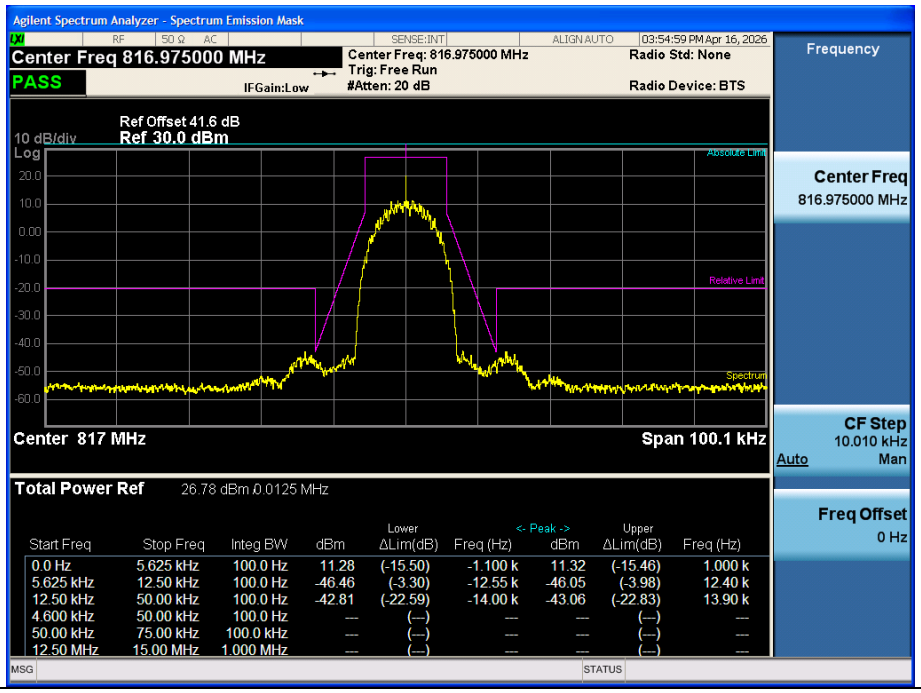
Emission Masks

UL_H-DQPSK_HCH_Pre-AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	11.31	(-15.32)	-1.100 k	11.58	(-15.05)	100.0
5.625 kHz	12.50 kHz	100.0 Hz	-46.40	(-3.08)	-12.55 k	-46.75	(-4.53)	12.40 k
12.50 kHz	50.00 kHz	100.0 Hz	-43.66	(-23.29)	-14.00 k	-42.89	(-22.51)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

UL_H-DQPSK_HCH_3dB above AGC



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	11.28	(-15.50)	-1.100 k	11.32	(-15.46)	1.000 k
5.625 kHz	12.50 kHz	100.0 Hz	-46.46	(-3.30)	-12.55 k	-46.05	(-3.98)	12.40 k
12.50 kHz	50.00 kHz	100.0 Hz	-42.81	(-22.59)	-14.00 k	-43.06	(-22.83)	13.90 k
4.600 kHz	50.00 kHz	100.0 Hz	---	(---)	---	---	(---)	---
50.00 kHz	75.00 kHz	100.0 kHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

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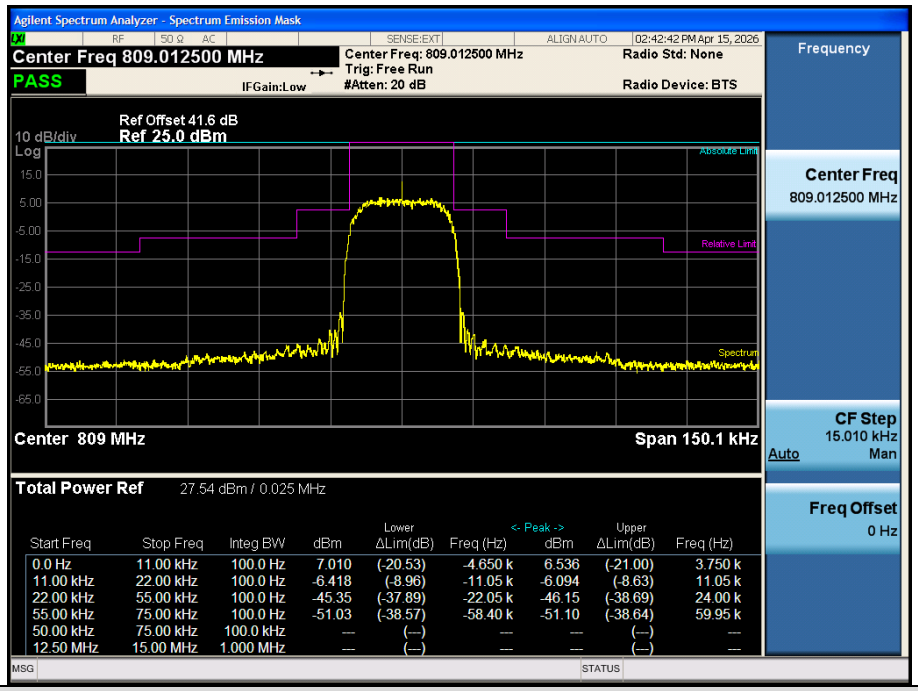
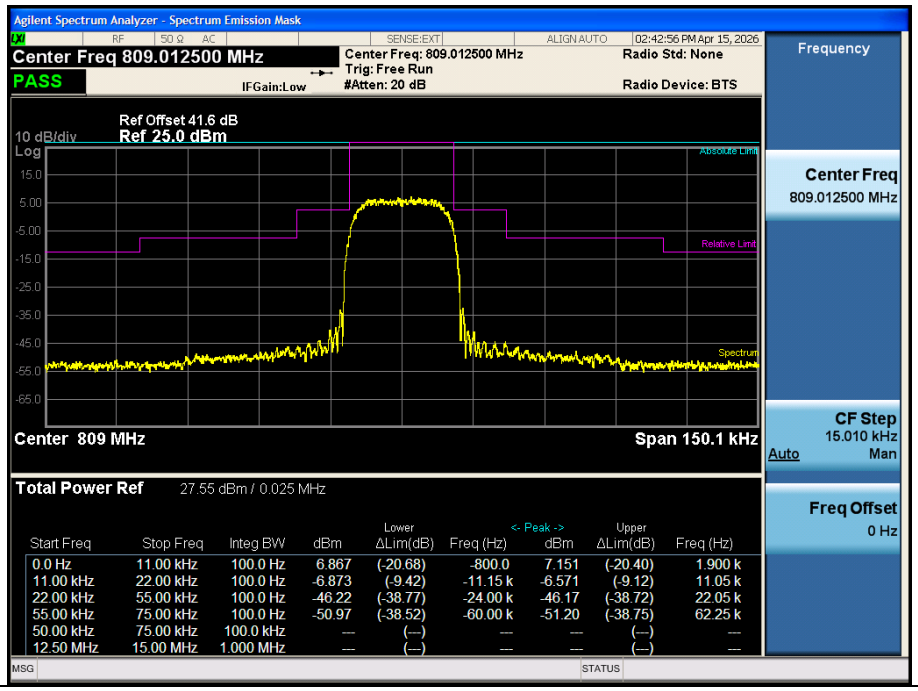
Emission Masks

UL_TETRA_LCH_Pre-AGC



UL_TETRA_LCH_3dB above AGC



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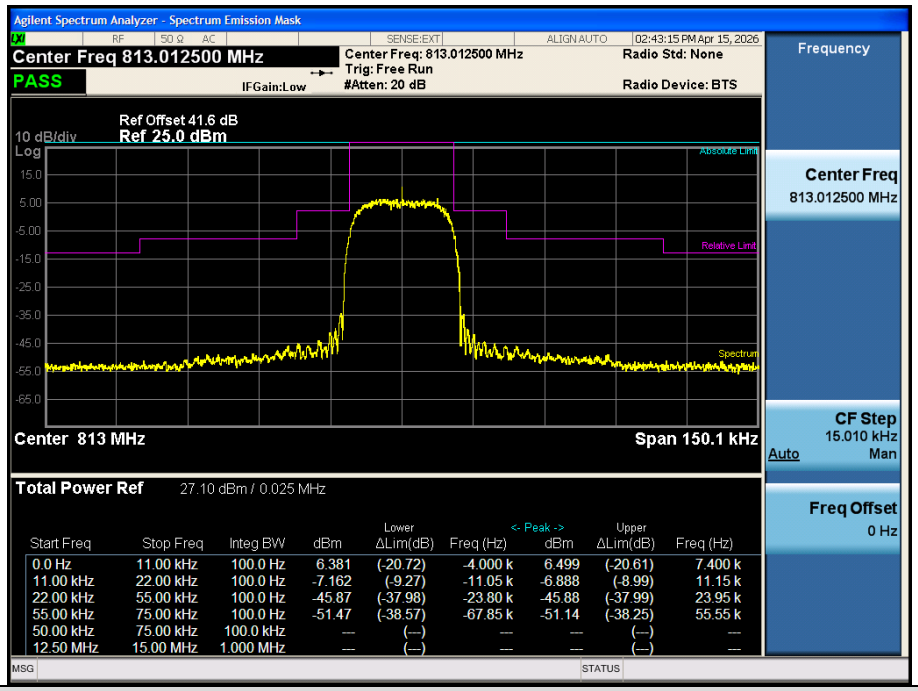
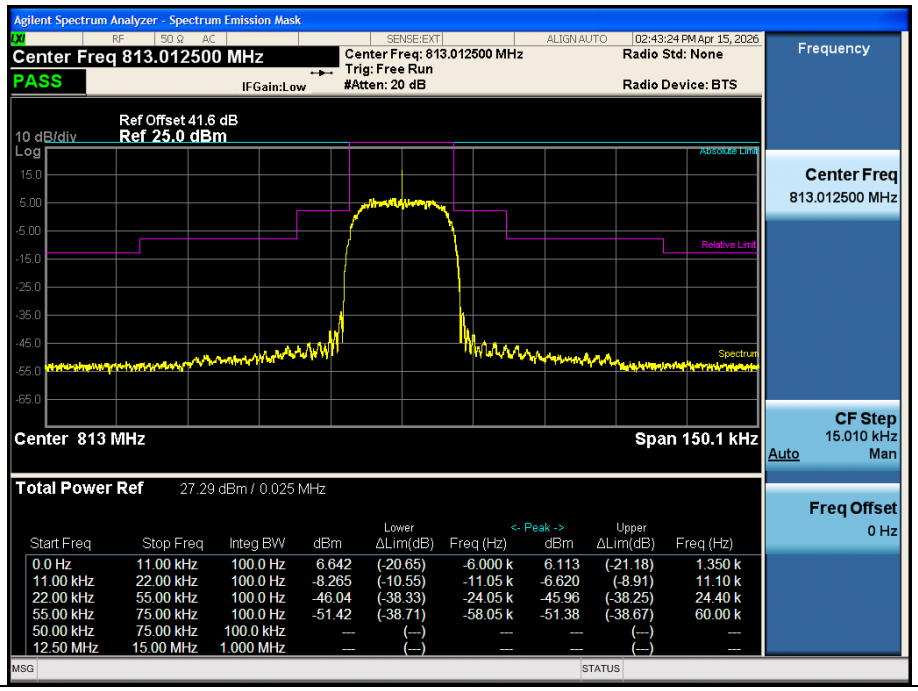
Emission Masks

UL_TETRA_MCH_Pre-AGC



UL_TETRA_MCH_3dB above AGC



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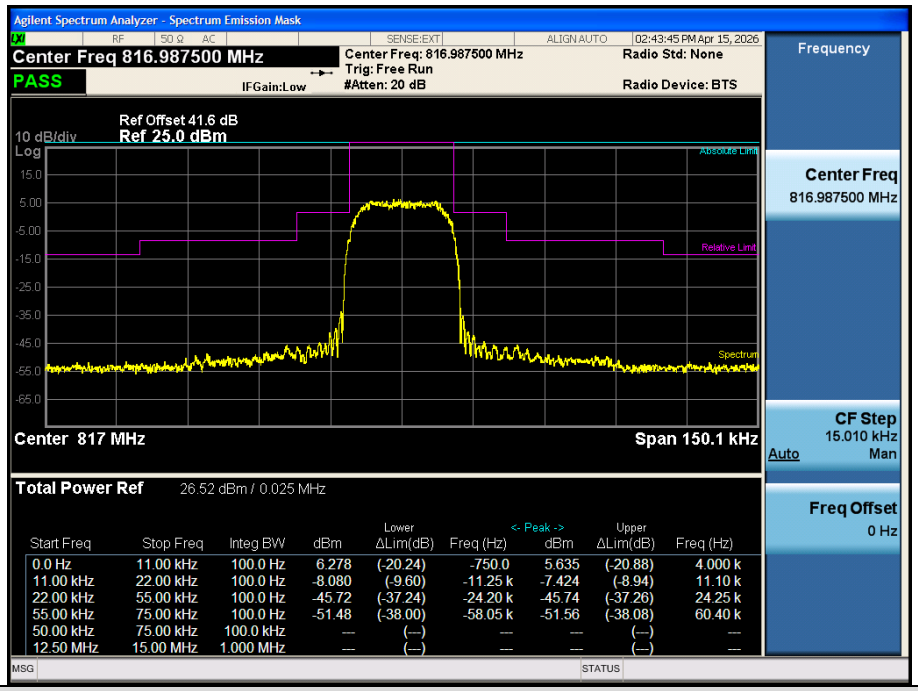
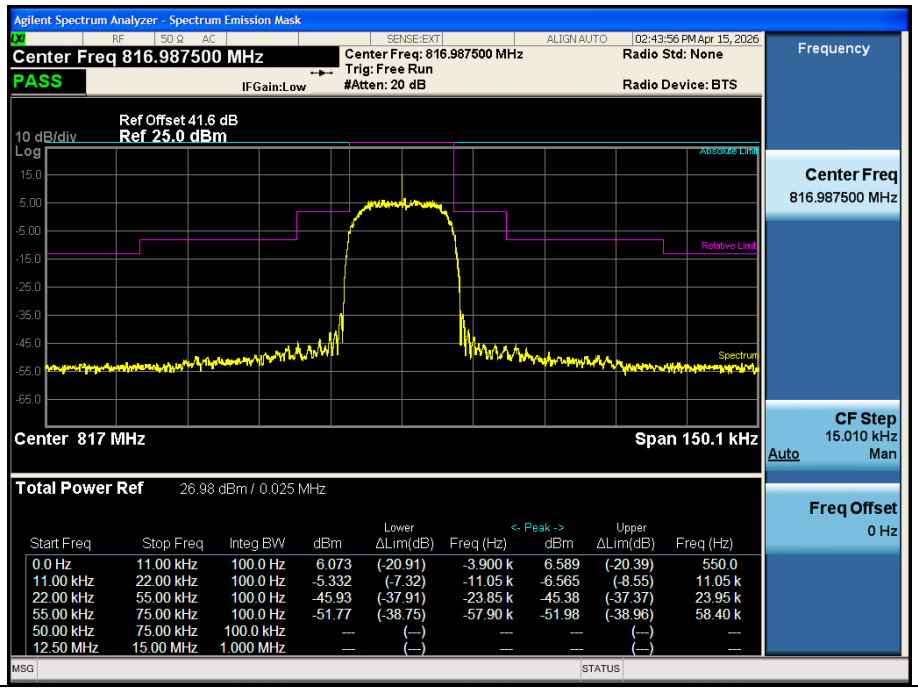
Emission Masks

UL_TETRA_HCH_Pre-AGC



UL_TETRA_HCH_3dB above AGC



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5 Adjacent channel power (ACP)

ACP				
Test path	Test signal	Test channel	Signal level	Verdict
DL	TETRA	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS
UL	TETRA	LCH	Pre-AGC	PASS
			3dB above AGC	PASS
		MCH	Pre-AGC	PASS
			3dB above AGC	PASS
		HCH	Pre-AGC	PASS
			3dB above AGC	PASS

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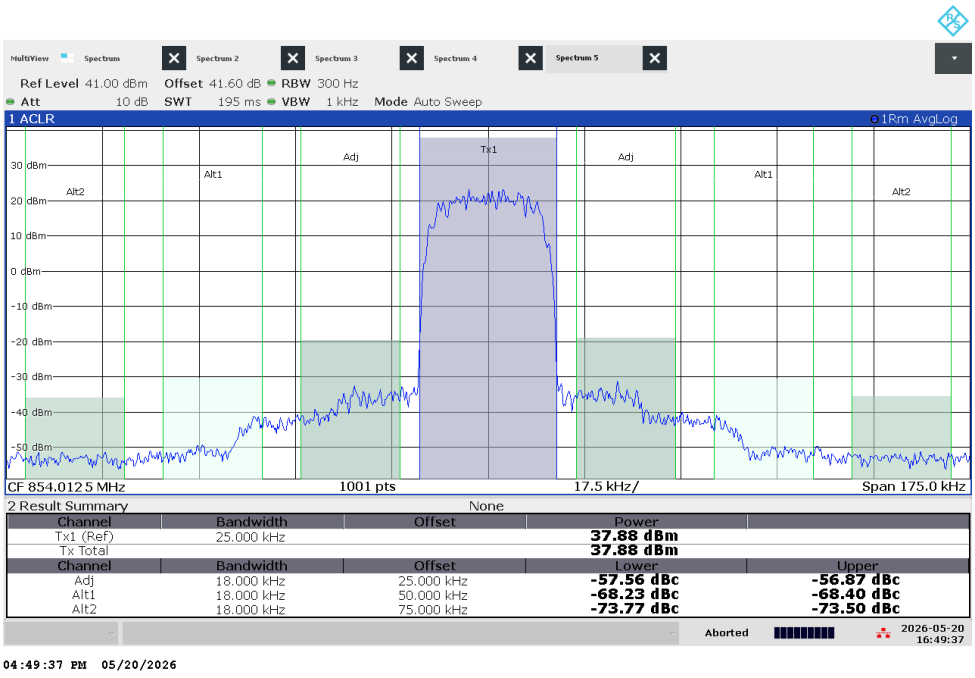
Member of the SGS Group (SGS SA)

ACP

DL_TETRA_LCH_Pre-AGC



04:49:37 PM 05/20/2026

DL_TETRA_LCH_3dB above AGC

04:50:49 PM 05/20/2026

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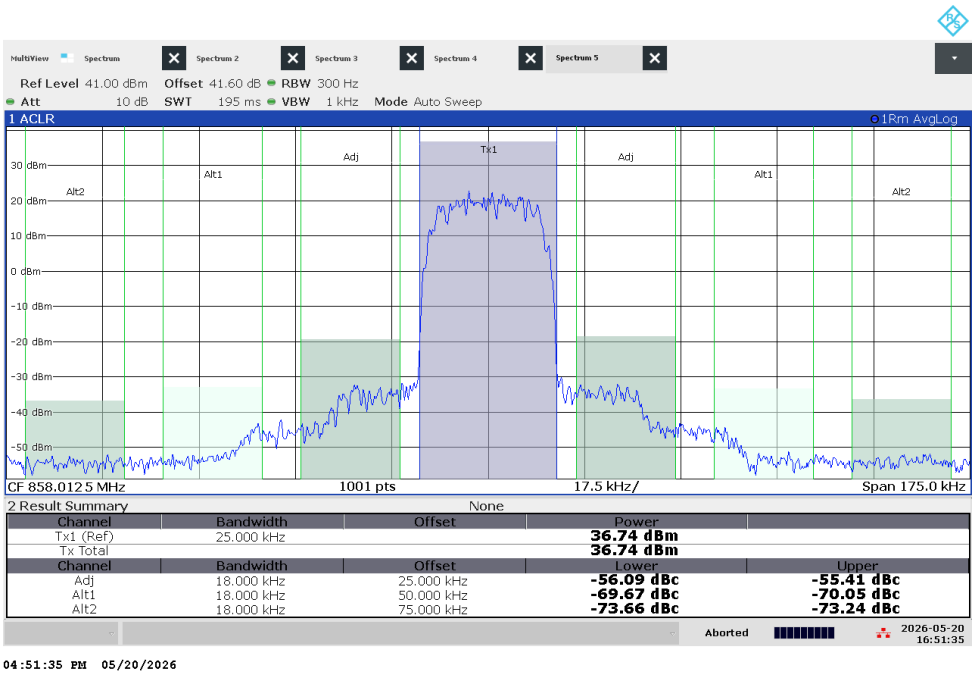
ACP

DL_TETRA_MCH_Pre-AGC



04:51:35 PM 05/20/2026

DL_TETRA_MCH_3dB above AGC

04:52:02 PM 05/20/2026

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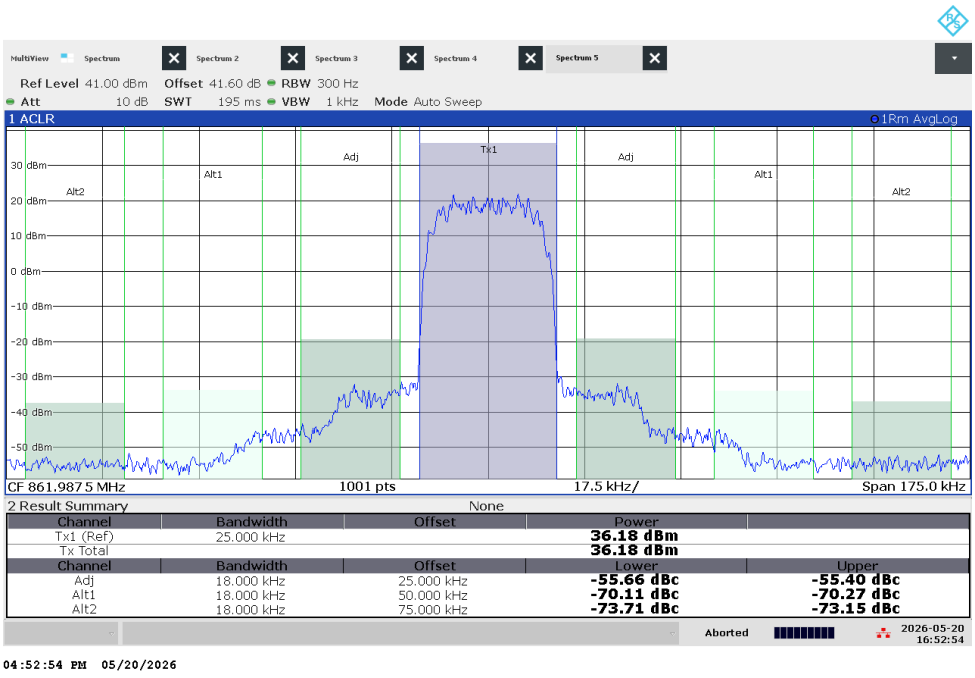
ACP

DL_TETRA_HCH_Pre-AGC



04:52:54 PM 05/20/2026

DL_TETRA_HCH_3dB above AGC

04:53:36 PM 05/20/2026

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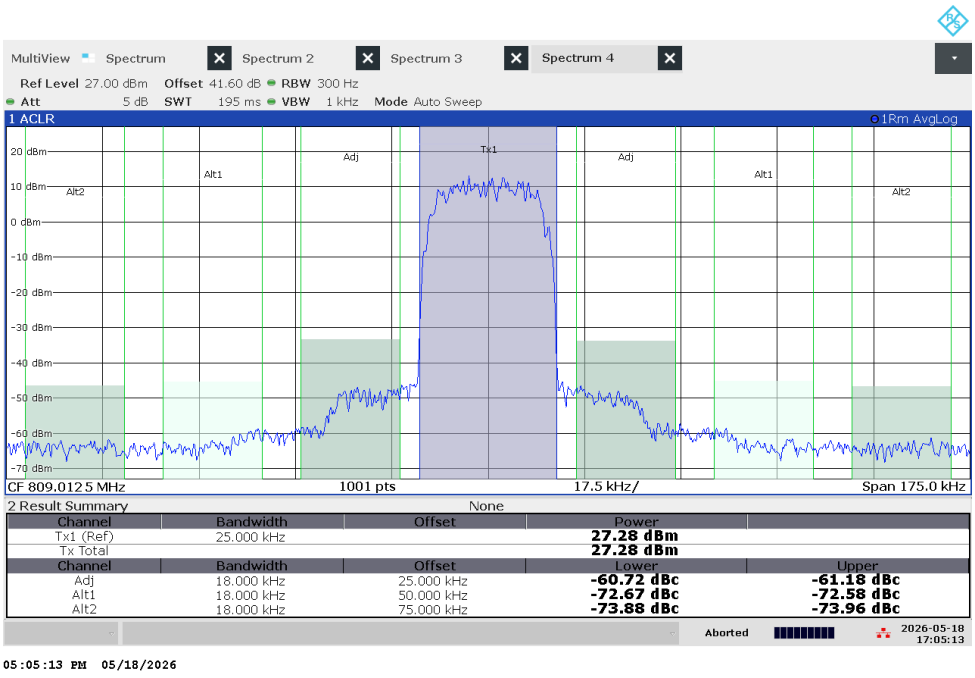
ACP

UL_TETRA_LCH_Pre-AGC



05:05:13 PM 05/18/2026

UL_TETRA_LCH_3dB above AGC

05:05:23 PM 05/18/2026

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ACP

UL_TETRA_MCH_Pre-AGC

05:05:58 PM 05/18/2026

UL_TETRA_MCH_3dB above AGC

05:06:14 PM 05/18/2026

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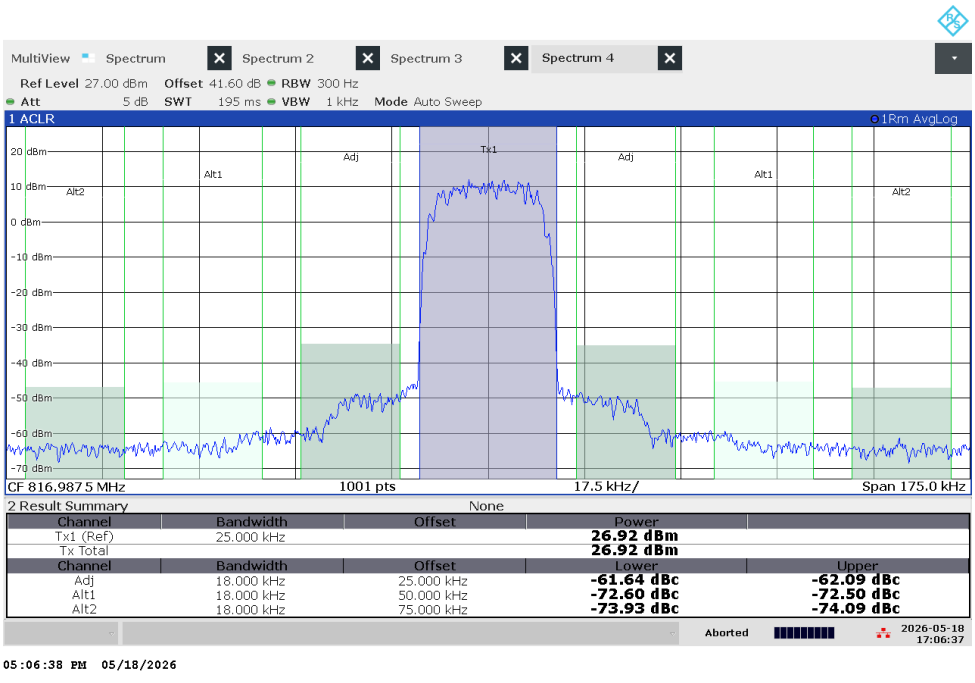
ACP

UL_TETRA_HCH_Pre-AGC



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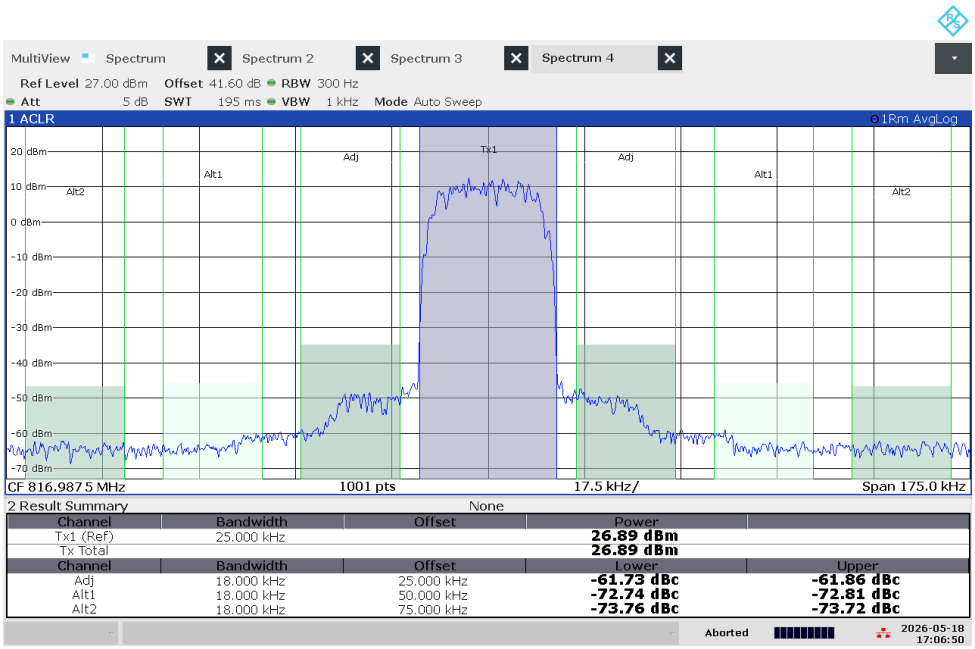
UL_TETRA_HCH_3dB above AGC



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6 Noise Figure

Noise Figure			
Test path	Noise figure (dB)	Limit (dB)	Verdict
DL	5.98	≤9	PASS
UL	6.41	≤9	PASS

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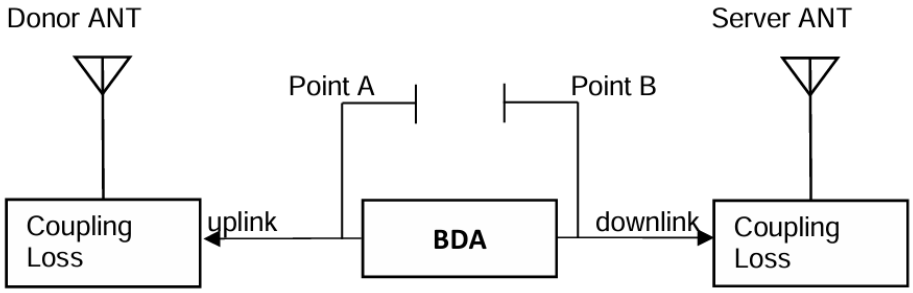
7 Intermodulation emissions

Intermodulation								
Test path	f0 (MHz)	CW signal spacing (kHz)	Signal level	Worst conducted test level (dBm/300Hz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10k Hz)	Limit (dBm/10k Hz)
DL	856.9	6.25	Pre-AGC	-20.48	0	64.85	-72.25	-30
			3dB above AGC	-18.96	0	64.85	-70.73	-30
		12.5	Pre-AGC	-20.43	0	64.85	-72.20	-30
			3dB above AGC	-19.39	0	64.85	-71.16	-30
		25	Pre-AGC	-22.23	0	64.85	-74.00	-30
			3dB above AGC	-23.31	0	64.85	-75.08	-30

Remark:

1. f0 is from Out-of-band Rejection test in the report.
2. As part of the system commissioning process, processional Zone Enhancer installers and field technicians measure intermodulation products and noise levels by connecting a spectrum analyzer to the output of the enhancers in the field. Since each deployment involves a unique passive distribution network, technicians are required to access the Effective Radiated Power (ERP) at the antenna by factoring in losses from passive components such as attenuators, coaxial cables, couplers and filters. Necessary adjustments are made to ensure compliance with the regulatory limits outlined below. Setting details were declared by manufacture and stated in the user manual. Therefore, the Coupling loss in engineering practice must be greater than 64.85dB to eliminate the interference.



3. According to the declaration from the manufacture, the single Antenna gain should not exceed 0dBi.
4. ERP_{final}= Conducted Power+ 10*log(10kHz/300Hz)+ Antenna Gain- 2.15dB- Coupling Loss.
5. The test plots are only to record the case without engineering practice for reference.

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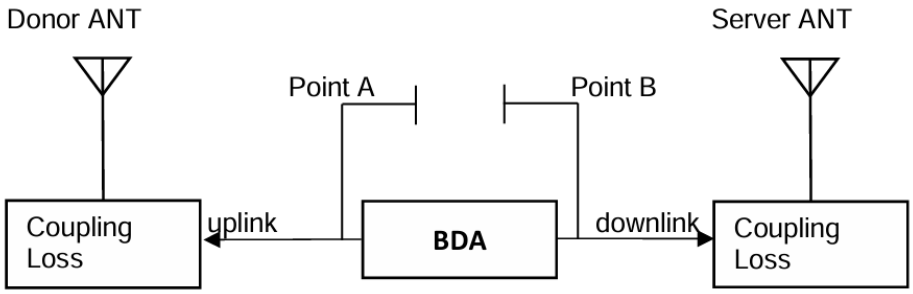
Intermodulation								
Test path	f0 (MHz)	CW signal spacing (kHz)	Signal level	Worst conducted test level (dBm/300Hz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10k Hz)	Limit (dBm/10k Hz)
UL	806.7	6.25	Pre-AGC	-23.37	0	54.85	-65.14	-30
			3dB above AGC	-22.35	0	54.85	-64.12	-30
		12.5	Pre-AGC	-22.78	0	54.85	-64.55	-30
			3dB above AGC	-22.16	0	54.85	-63.93	-30
		25	Pre-AGC	-34.49	0	54.85	-76.26	-30
			3dB above AGC	-35.63	0	54.85	-77.40	-30

Remark:

1. f0 is from Out-of-band Rejection test in the report.
2. As part of the system commissioning process, processional Zone Enhancer installers and field technicians measure intermodulation products and noise levels by connecting a spectrum analyzer to the output of the enhancers in the field. Since each deployment involves a unique passive distribution network, technicians are required to access the Effective Radiated Power (ERP) at the antenna by factoring in losses from passive components such as attenuators, coaxial cables, couplers and filters. Necessary adjustments are made to ensure compliance with the regulatory limits outlined below. Setting details were declared by manufacture and stated in the user manual. Therefore, the Coupling loss in engineering practice must be greater than 54.85dB to eliminate the interference.



3. According to the declaration from the manufacture, the single Antenna gain should not exceed 0dBi.
4. ERP_{final}= Conducted Power+ 10*log(10kHz/300Hz)+ Antenna Gain- 2.15dB- Coupling Loss.
5. The test plots are only to record the case without engineering practice for reference.

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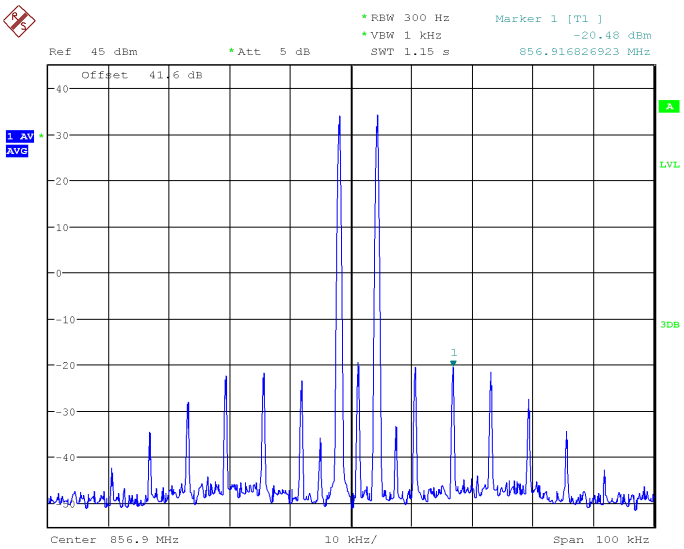
Intermodulation

DL_6.25kHz_Pre-AGC



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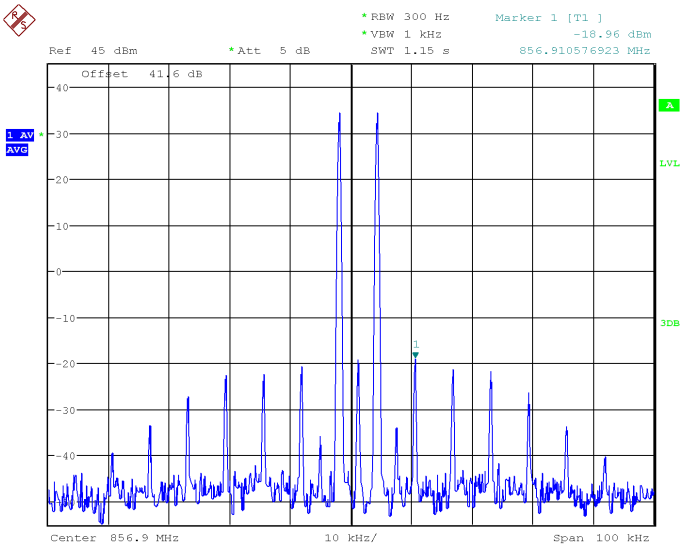
DL_6.25kHz_3dB above AGC



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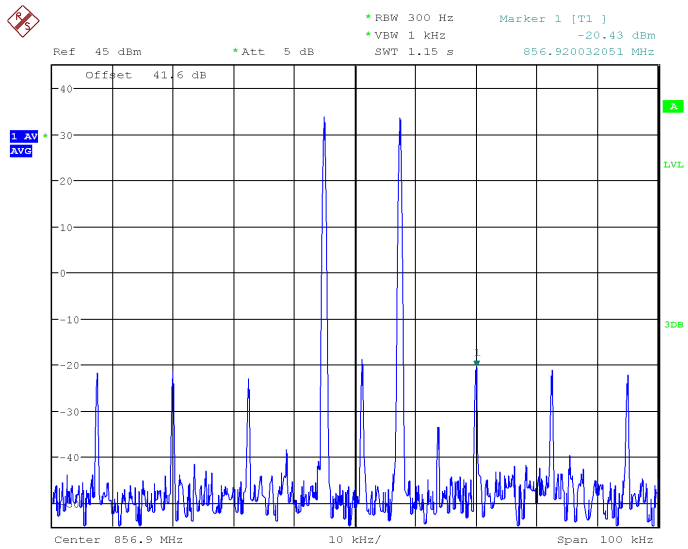
Intermodulation

DL_12.5kHz_Pre-AGC



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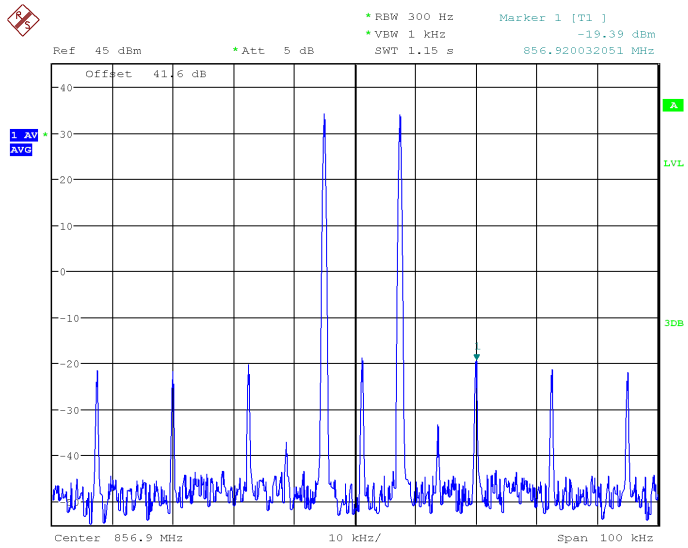
Date: 13.APR.2026 15:55:41

DL_12.5kHz_3dB above AGC



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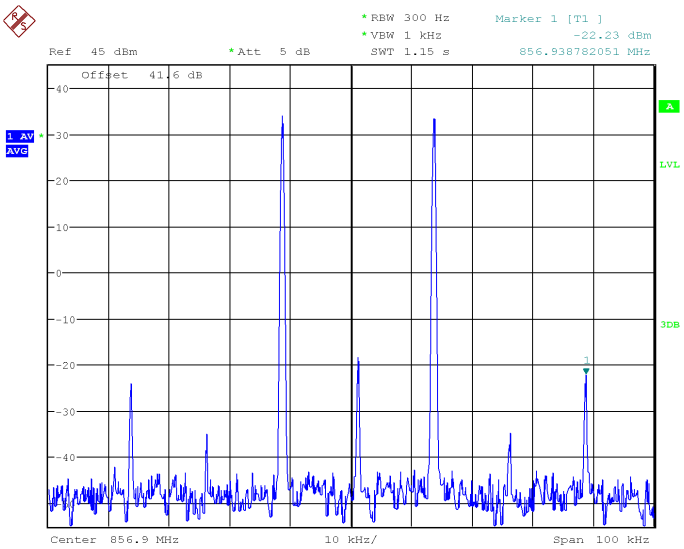
Intermodulation

DL_25kHz_Pre-AGC



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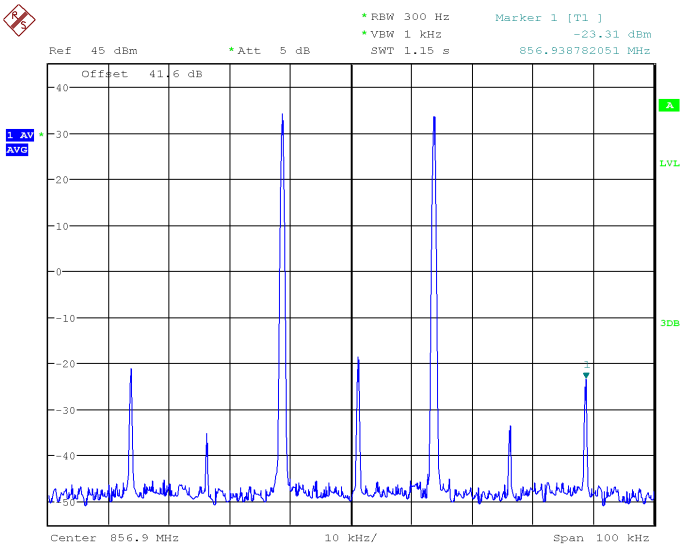
Date: 13.APR.2026 15:56:26

DL_25kHz_3dB above AGC



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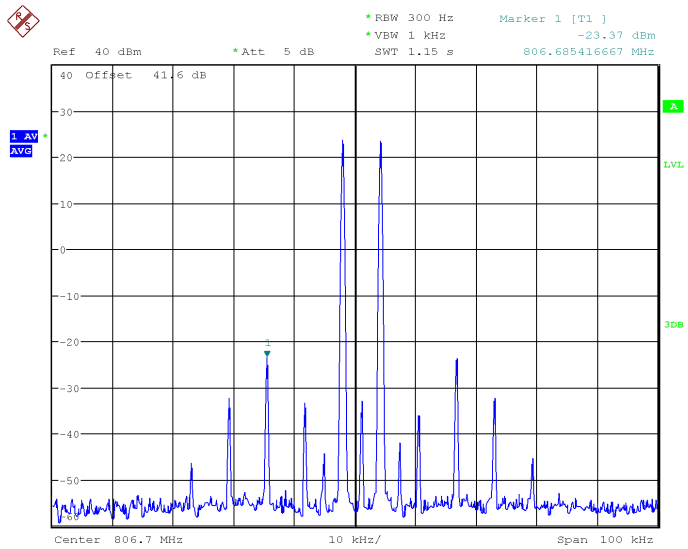
Intermodulation

UL_6.25kHz_Pre-AGC



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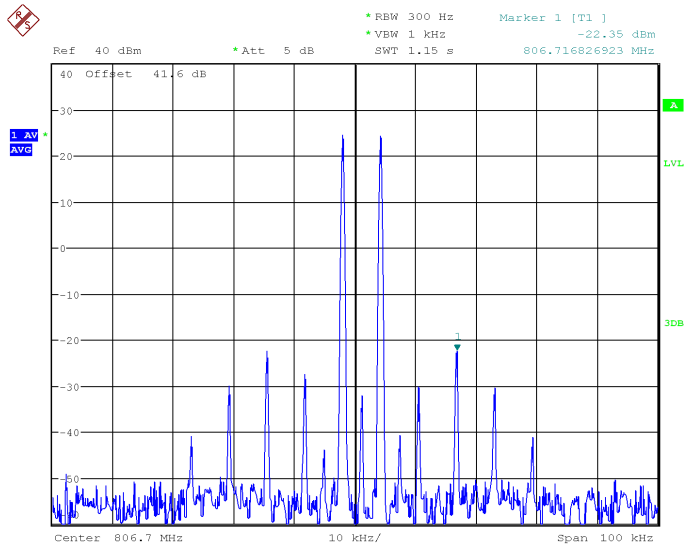
UL_6.25kHz_3dB above AGC



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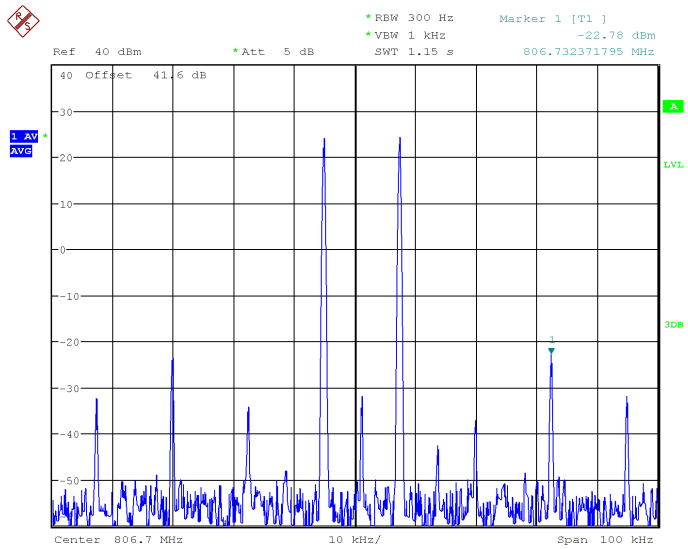
Intermodulation

UL_12.5kHz_Pre-AGC



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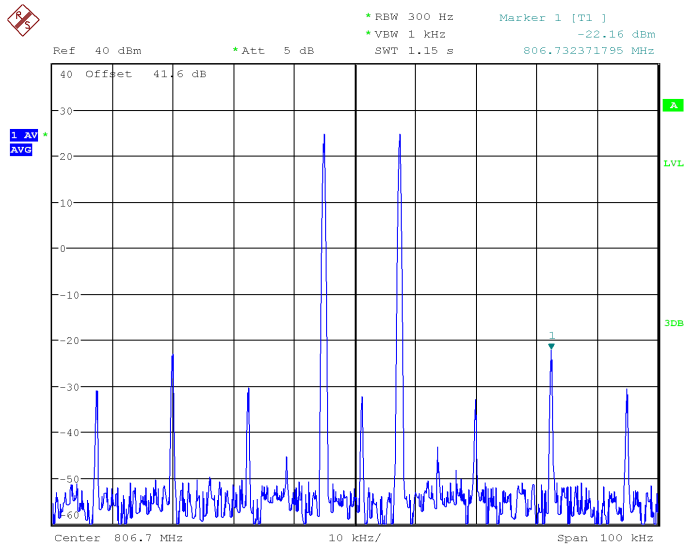
UL_12.5kHz_3dB above AGC



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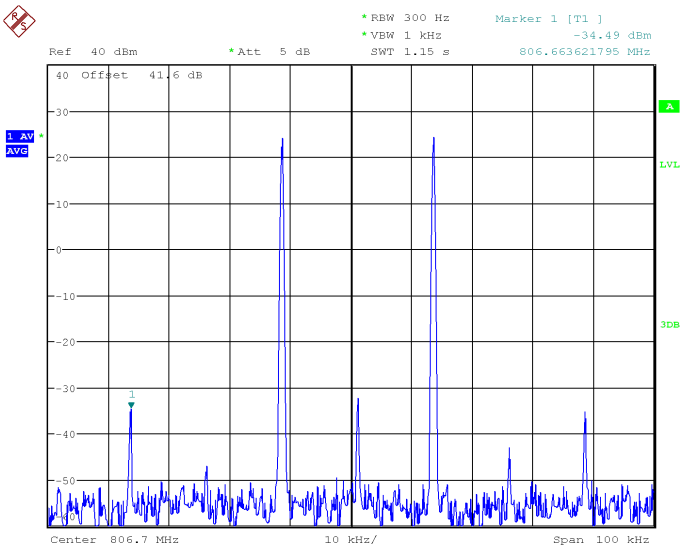
Intermodulation

UL_25kHz_Pre-AGC



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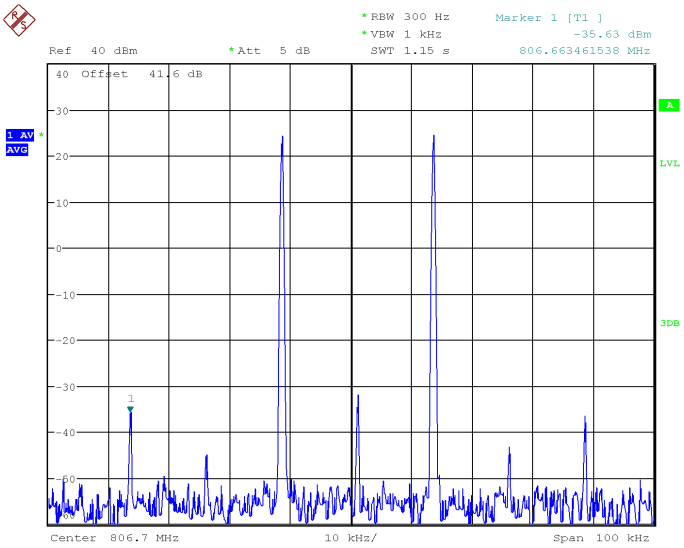
UL_25kHz_3dB above AGC



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8 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	0.009-1000	-15.79	≤-13	PASS
			1000-8620	-19.55	≤-13	PASS
UL	CW	MCH	0.009-1000	-15.38	≤-13	PASS
			1000-8170	-21.32	≤-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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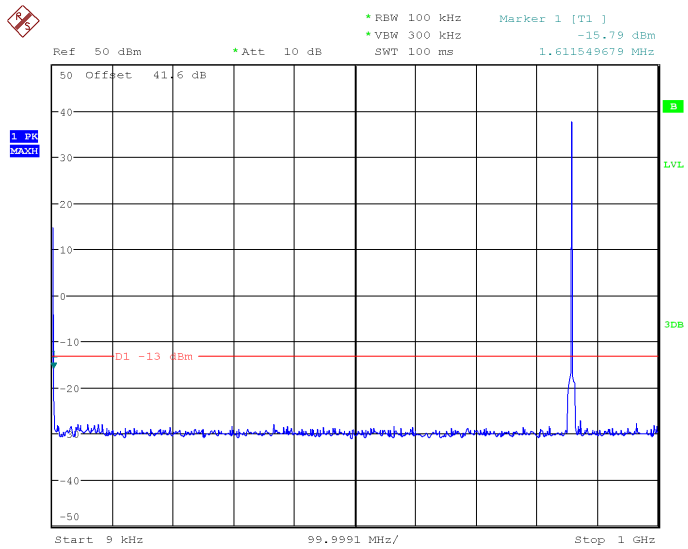
Conducted Spurious emissions

DL_CW_MCH



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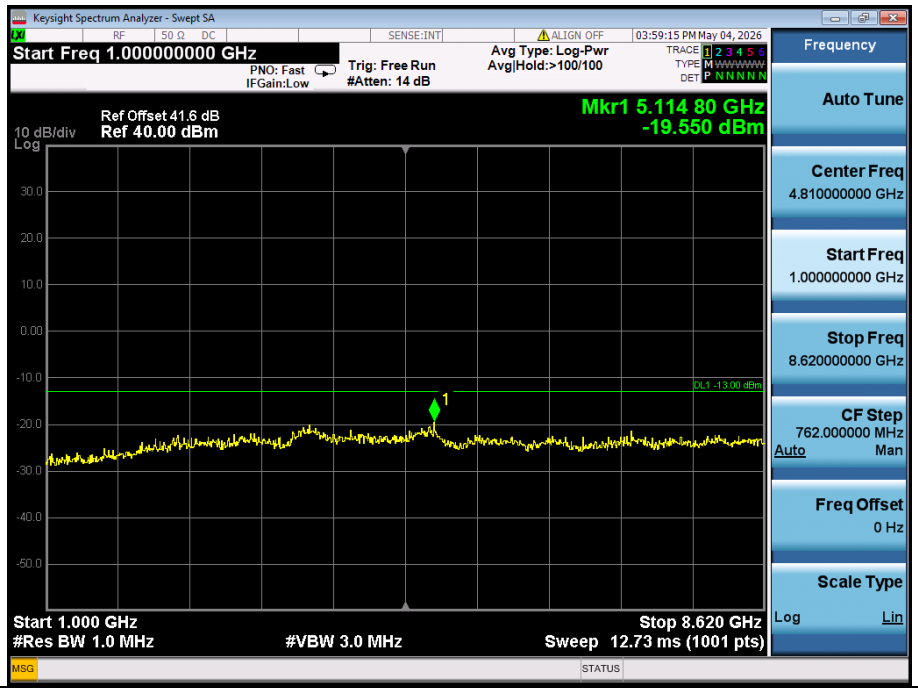

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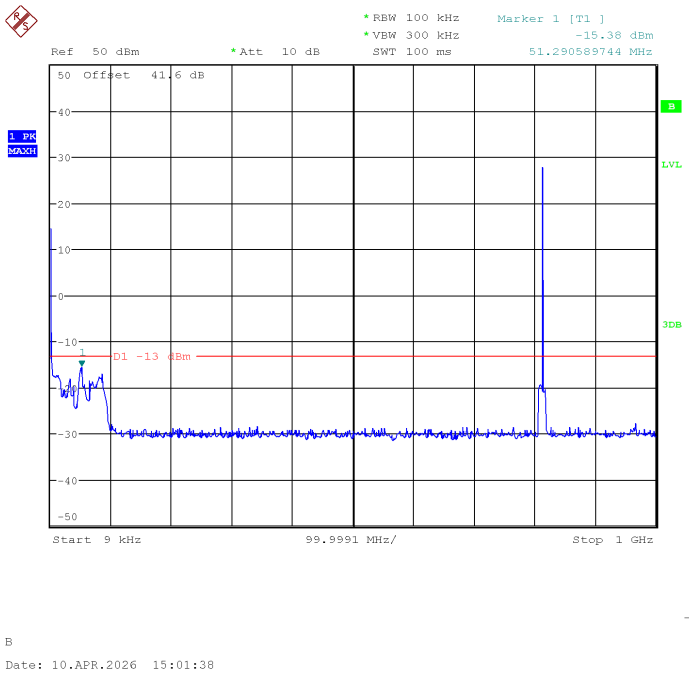
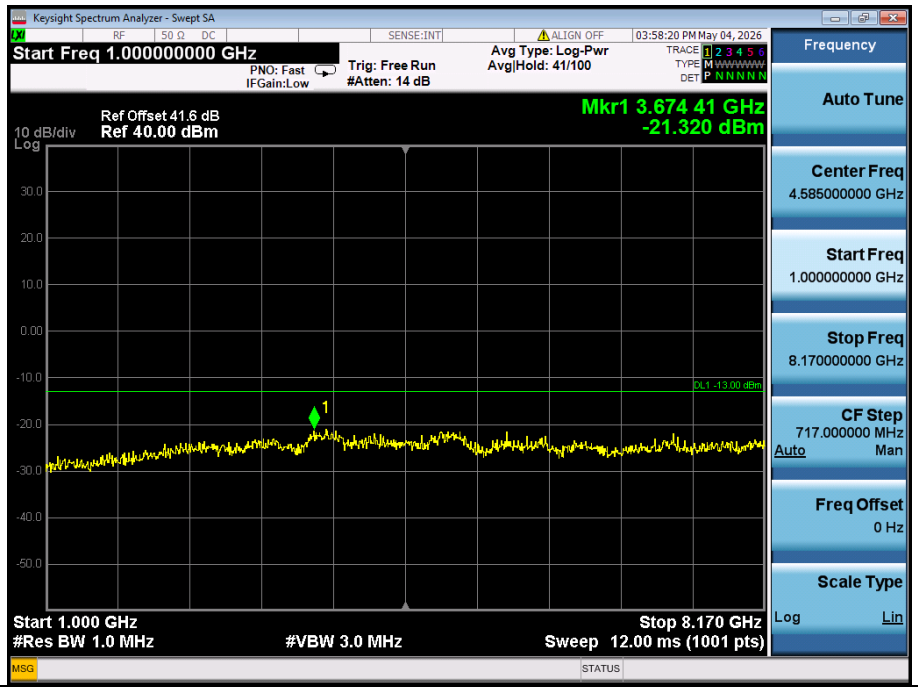
Conducted Spurious emissions

UL_CW_MCH





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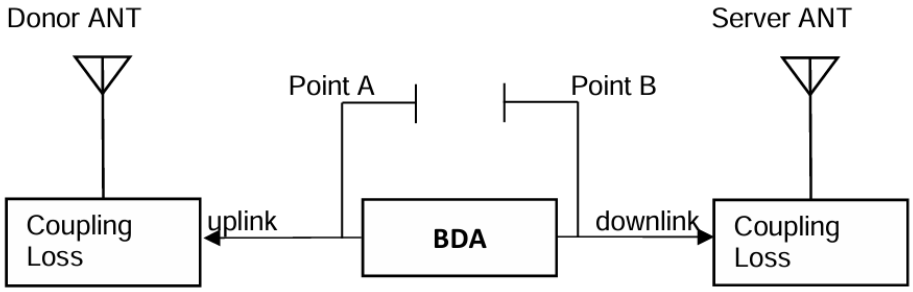
9 Noise

Noise						
Noise within the passband						
Test path	Frequency range (MHz)	Worst conducted test level (dBm/10kHz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10kHz)	Limit (dBm/10kHz)
DL	851-862	-26.96	0	64.85	-93.96	-43
Noise outside of the passband						
Test path	Frequency range (MHz)	Worst conducted test level (dBm/10kHz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10kHz)	Limit (dBm/10kHz)
DL	0.009-850	-51.37	0	64.85	-118.37	-70
	863-8620	-48.84	0	64.85	-115.84	-70

Remark:

1. As part of the system commissioning process, processional Zone Enhancer installers and field technicians measure intermodulation products and noise levels by connecting a spectrum analyzer to the output of the enhancers in the field. Since each deployment involves a unique passive distribution network, technicians are required to access the Effective Radiated Power (ERP) at the antenna by factoring in losses from passive components such as attenuators, coaxial cables, couplers and filters. Necessary adjustments are made to ensure compliance with the regulatory limits outlined below. Setting details were declared by manufacture and stated in the user manual. Therefore, the Coupling loss in engineering practice must be greater than 64.85dB to eliminate the interference.



2. According to the declaration from the manufacture, the single Antenna gain should not exceed 0dBi.
3. ERP_{final}= Conducted Power+ Antenna Gain- 2.15dB- Coupling Loss.
4. The test plots are only to record the case without engineering practice for reference.

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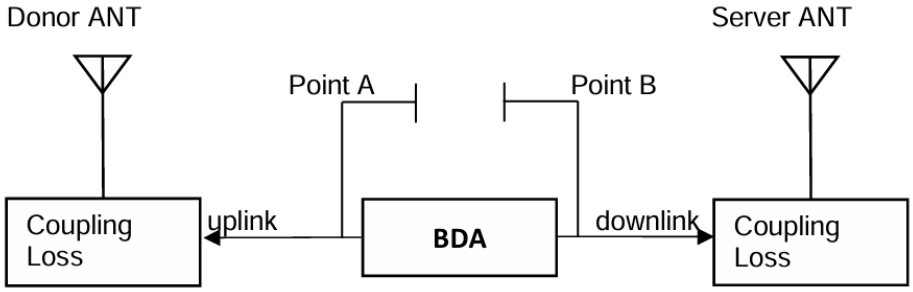
Noise						
Noise within the passband						
Test path	Frequency range (MHz)	Worst conducted test level (dBm/10kHz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10kHz)	Limit (dBm/10kHz)
UL	806-817	-29.34	0	54.85	-86.34	-43
Noise outside of the passband						
Test path	Frequency range (MHz)	Worst conducted test level (dBm/10kHz)	Antenna Gain (dBi)	Coupling loss (dB)	ERP (dBm/10kHz)	Limit (dBm/10kHz)
UL	0.009-805	-57.76	0	54.85	-114.76	-70
	818-8170	-57.69	0	54.85	-114.69	-70

Remark:

1. As part of the system commissioning process, processional Zone Enhancer installers and field technicians measure intermodulation products and noise levels by connecting a spectrum analyzer to the output of the enhancers in the field. Since each deployment involves a unique passive distribution network, technicians are required to access the Effective Radiated Power (ERP) at the antenna by factoring in losses from passive components such as attenuators, coaxial cables, couplers and filters. Necessary adjustments are made to ensure compliance with the regulatory limits outlined below. Setting details were declared by manufacture and stated in the user manual. Therefore, the Coupling loss in engineering practice must be greater than 54.85dB to eliminate the interference.



2. According to the declaration from the manufacture, the single Antenna gain should not exceed 0dBi.
3. ERP_{final}= Conducted Power+ Antenna Gain- 2.15dB- Coupling Loss.
4. The test plots are only to record the case without engineering practice for reference.

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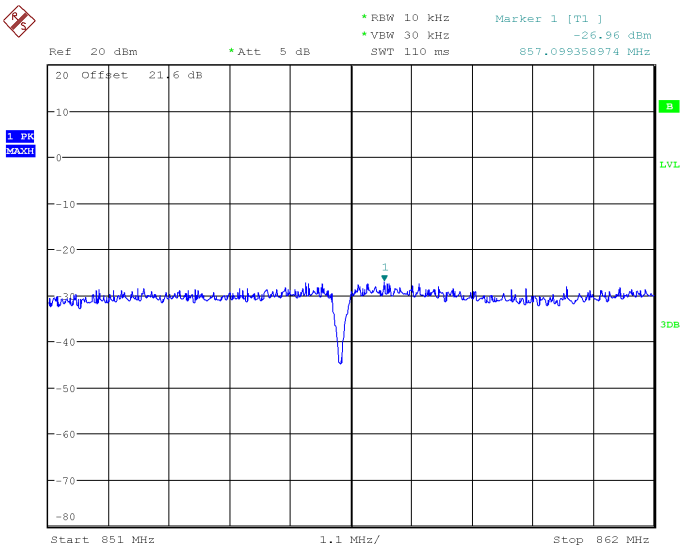
Noise within the passband

DL



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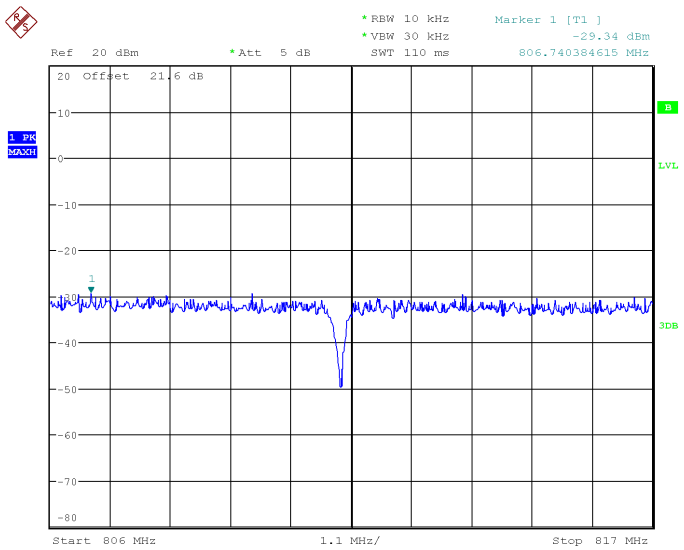
UL



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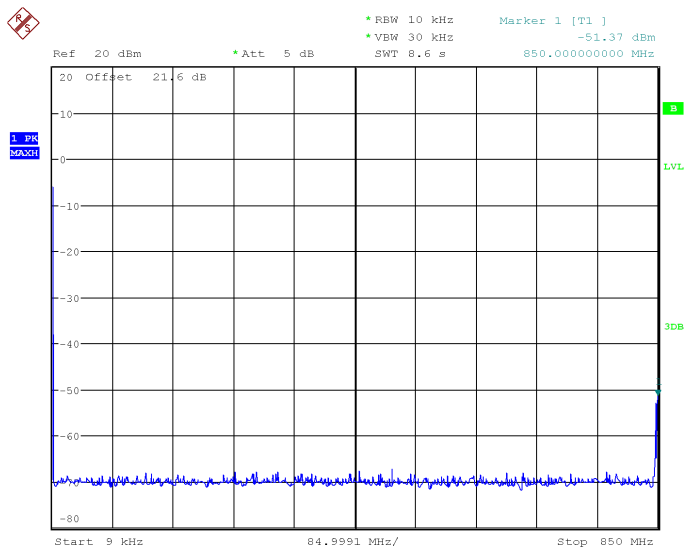
Noise outside the passband

DL



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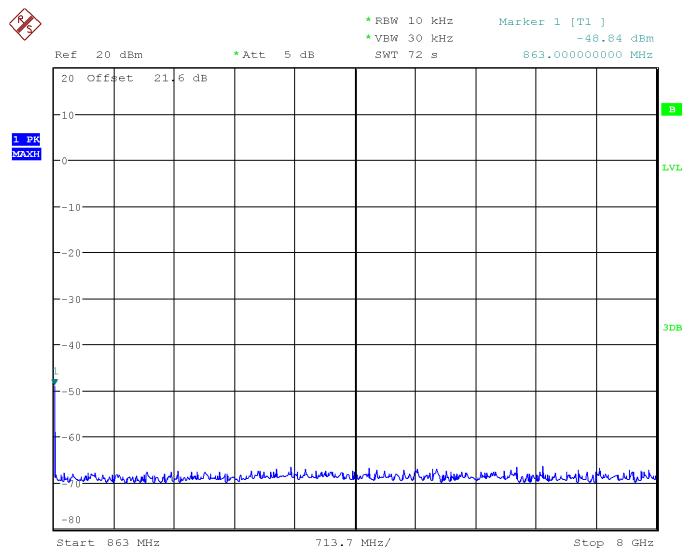

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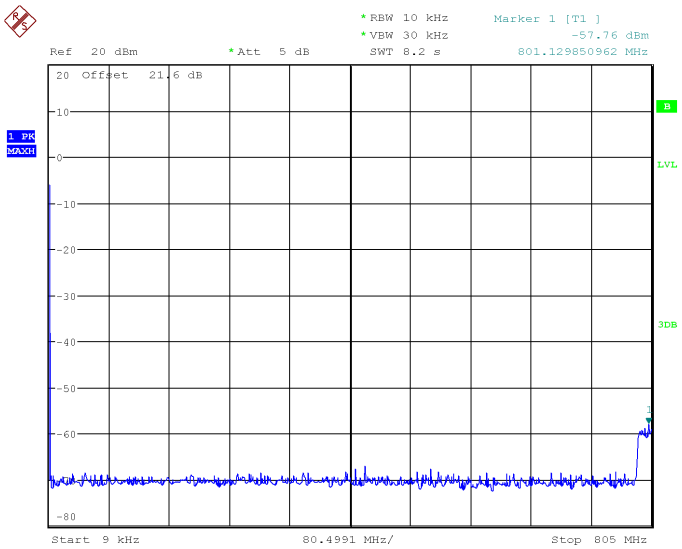
Noise outside the passband

UL



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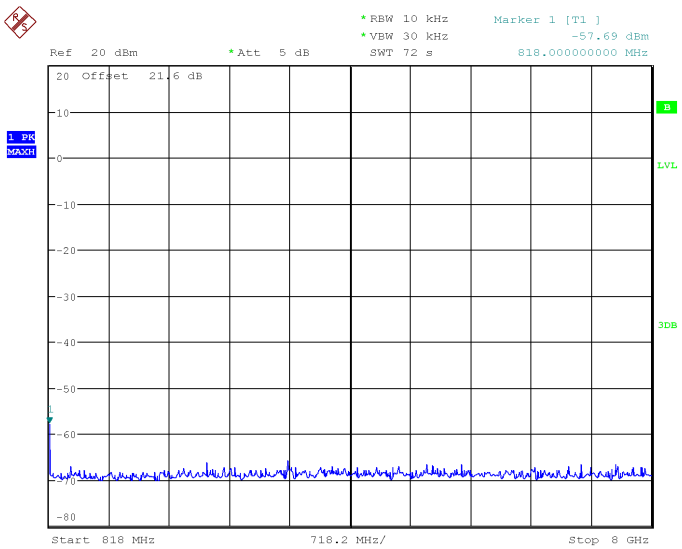

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10 Frequency Stability

Frequency stability vs voltage							
Test path	Test Signal	Test Channel	Temperature	Voltage	Freq. error (Hz)	Tolerance (ppm)	Verdict
DL	FM	MCH	TN	VL	1.5	0.00176	PASS
			TN	VH	1.1	0.00129	PASS
	DMR	MCH	TN	VL	1.5	0.00175	PASS
			TN	VH	1.4	0.00163	PASS
	C4FM	MCH	TN	VL	2.1	0.00245	PASS
			TN	VH	1.6	0.00186	PASS
	H-DQPSK	MCH	TN	VL	1.8	0.00210	PASS
			TN	VH	1.7	0.00198	PASS
	TETRA	MCH	TN	VL	2.1	0.00245	PASS
			TN	VH	2.1	0.00245	PASS
UL	FM	MCH	TN	VL	1.5	0.00186	PASS
			TN	VH	1.7	0.00211	PASS
	DMR	MCH	TN	VL	1.3	0.00160	PASS
			TN	VH	1.6	0.00197	PASS
	C4FM	MCH	TN	VL	1.2	0.00148	PASS
			TN	VH	1.1	0.00135	PASS
	H-DQPSK	MCH	TN	VL	1.2	0.00148	PASS
			TN	VH	1.5	0.00185	PASS
	TETRA	MCH	TN	VL	2.1	0.00258	PASS
			TN	VH	1.4	0.00172	PASS

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Frequency stability vs temperature							
Test Path	Test Signal	Test Channel	Voltage	Temperature (℃)	Freq. error (Hz)	Tolerance (ppm)	Verdict
DL	FM	MCH	VN	+50	1.5	0.00176	PASS
			VN	+40	1.7	0.00199	PASS
			VN	+30	1.9	0.00223	PASS
			VN	+20	1.9	0.00223	PASS
			VN	+10	1.1	0.00129	PASS
			VN	0	2.1	0.00246	PASS
			VN	-10	1.5	0.00176	PASS
			VN	-20	1.9	0.00223	PASS
			VN	-30	1.1	0.00129	PASS
	DMR	MCH	VN	+50	1.8	0.00210	PASS
			VN	+40	1.5	0.00175	PASS
			VN	+30	1.7	0.00198	PASS
			VN	+20	1.8	0.00210	PASS
			VN	+10	2.0	0.00233	PASS
			VN	0	1.3	0.00152	PASS
			VN	-10	2.0	0.00233	PASS
			VN	-20	2.1	0.00245	PASS
			VN	-30	1.2	0.00140	PASS
	C4FM	MCH	VN	+50	2.0	0.00233	PASS
			VN	+40	1.7	0.00198	PASS
			VN	+30	1.8	0.00210	PASS
			VN	+20	1.6	0.00186	PASS
			VN	+10	1.1	0.00128	PASS
			VN	0	2.0	0.00233	PASS
			VN	-10	1.3	0.00152	PASS
			VN	-20	1.5	0.00175	PASS
			VN	-30	1.5	0.00175	PASS
	D-HQPSK	MCH	VN	+50	2.0	0.00233	PASS
			VN	+40	1.5	0.00175	PASS
			VN	+30	1.5	0.00175	PASS
			VN	+20	1.8	0.00210	PASS
			VN	+10	2.0	0.00233	PASS
			VN	0	2.1	0.00245	PASS
			VN	-10	1.6	0.00186	PASS
			VN	-20	2.0	0.00233	PASS
			VN	-30	1.4	0.00163	PASS
	TETRA	MCH	VN	+50	2.0	0.00233	PASS
			VN	+40	1.8	0.00210	PASS
			VN	+30	1.9	0.00221	PASS
			VN	+20	1.8	0.00210	PASS
			VN	+10	1.1	0.00128	PASS
			VN	0	1.8	0.00210	PASS
			VN	-10	1.9	0.00221	PASS
			VN	-20	1.1	0.00128	PASS
			VN	-30	1.4	0.00163	PASS

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Frequency stability vs temperature							
Test Path	Test Signal	Test Channel	Voltage	Temperature (℃)	Freq. error (Hz)	Tolerance (ppm)	Verdict
UL	FM	MCH	VN	+50	1.1	0.00129	PASS
			VN	+40	1.8	0.00211	PASS
			VN	+30	1.6	0.00188	PASS
			VN	+20	1.7	0.00199	PASS
			VN	+10	1.9	0.00223	PASS
			VN	0	1.5	0.00176	PASS
			VN	-10	2.0	0.00235	PASS
			VN	-20	1.7	0.00199	PASS
			VN	-30	1.4	0.00164	PASS
	DMR	MCH	VN	+50	1.9	0.00234	PASS
			VN	+40	2.1	0.00258	PASS
			VN	+30	1.8	0.00221	PASS
			VN	+20	1.2	0.00148	PASS
			VN	+10	1.1	0.00135	PASS
			VN	0	1.8	0.00221	PASS
			VN	-10	2.1	0.00258	PASS
			VN	-20	2.0	0.00246	PASS
			VN	-30	1.4	0.00172	PASS
	C4FM	MCH	VN	+50	1.4	0.00172	PASS
			VN	+40	1.6	0.00197	PASS
			VN	+30	1.1	0.00135	PASS
			VN	+20	1.4	0.00172	PASS
			VN	+10	1.1	0.00135	PASS
			VN	0	2.1	0.00258	PASS
			VN	-10	1.6	0.00197	PASS
			VN	-20	1.9	0.00234	PASS
			VN	-30	1.8	0.00221	PASS
	D-HQPSK	MCH	VN	+50	1.7	0.00209	PASS
			VN	+40	1.3	0.00160	PASS
			VN	+30	1.2	0.00148	PASS
			VN	+20	1.4	0.00172	PASS
			VN	+10	1.7	0.00209	PASS
			VN	0	1.7	0.00209	PASS
			VN	-10	1.4	0.00172	PASS
			VN	-20	2.1	0.00258	PASS
			VN	-30	2.1	0.00258	PASS
	TETRA	MCH	VN	+50	1.8	0.00221	PASS
			VN	+40	1.6	0.00197	PASS
			VN	+30	2.1	0.00258	PASS
			VN	+20	1.8	0.00221	PASS
			VN	+10	1.5	0.00184	PASS
			VN	0	1.9	0.00234	PASS
			VN	-10	1.3	0.00160	PASS
			VN	-20	1.1	0.00135	PASS
			VN	-30	1.1	0.00135	PASS

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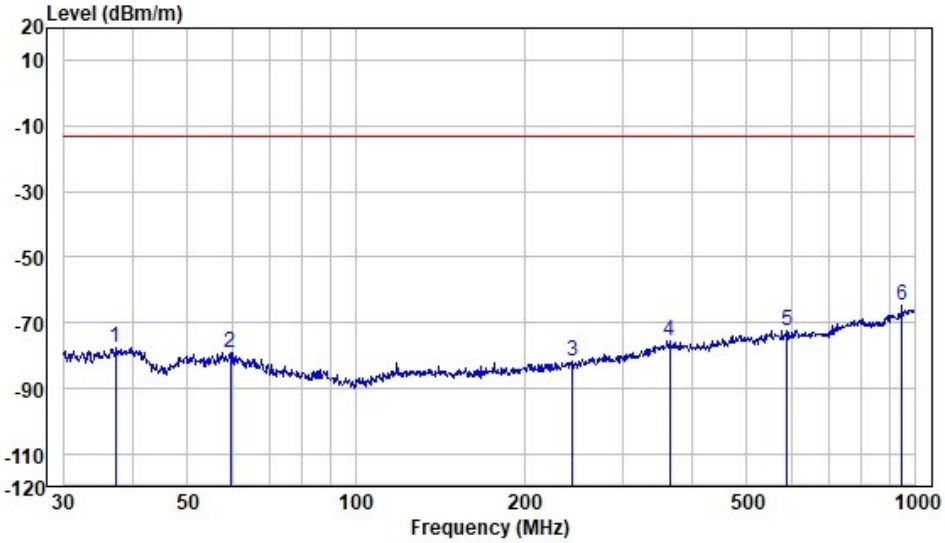
11 Radiated Spurious emissions below 1GHz

Radiated Spurious emissions
DL_CW_MCH_30MHz-1GHz_Horizontal



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	37.15	-76.58	-0.93	-77.51	-13.00	-64.51	HORIZONTAL
2	59.65	-76.26	-2.81	-79.07	-13.00	-66.07	HORIZONTAL
3	244.23	-76.47	-5.54	-82.01	-13.00	-69.01	HORIZONTAL
4	364.26	-75.10	-0.41	-75.51	-13.00	-62.51	HORIZONTAL
5	590.97	-74.62	2.30	-72.32	-13.00	-59.32	HORIZONTAL
6	948.76	-74.24	9.29	-64.95	-13.00	-51.95	HORIZONTAL

Remark:
The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.

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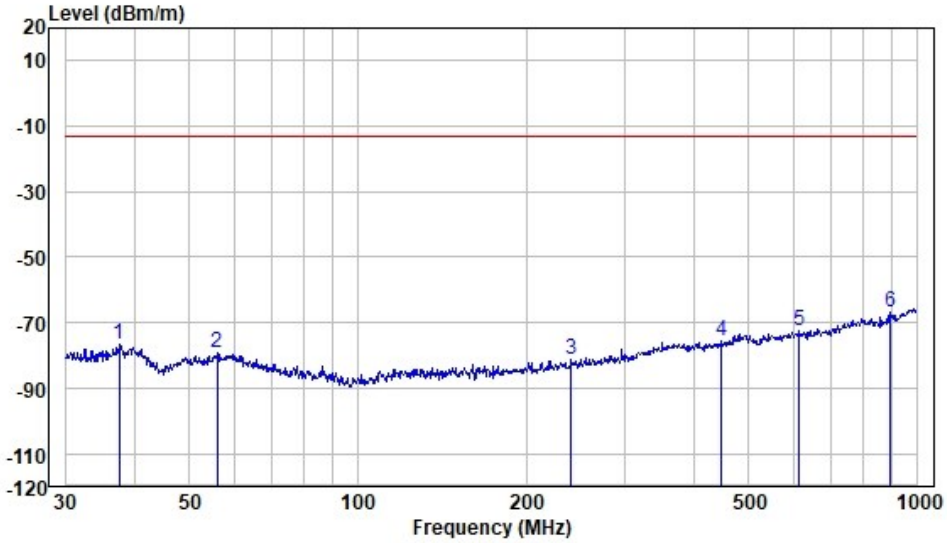
Radiated Spurious emissions

DL_CW_MCH_30MHz-1GHz_Vertical



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	37.42	-76.65	0.00	-76.65	-13.00	-63.65	VERTICAL
2	56.00	-79.27	0.00	-79.27	-13.00	-66.27	VERTICAL
3	240.83	-81.13	0.00	-81.13	-13.00	-68.13	VERTICAL
4	446.41	-75.69	0.00	-75.69	-13.00	-62.69	VERTICAL
5	616.37	-72.46	0.00	-72.46	-13.00	-59.46	VERTICAL
6	897.00	-66.71	0.00	-66.71	-13.00	-53.71	VERTICAL

Remark:
The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.

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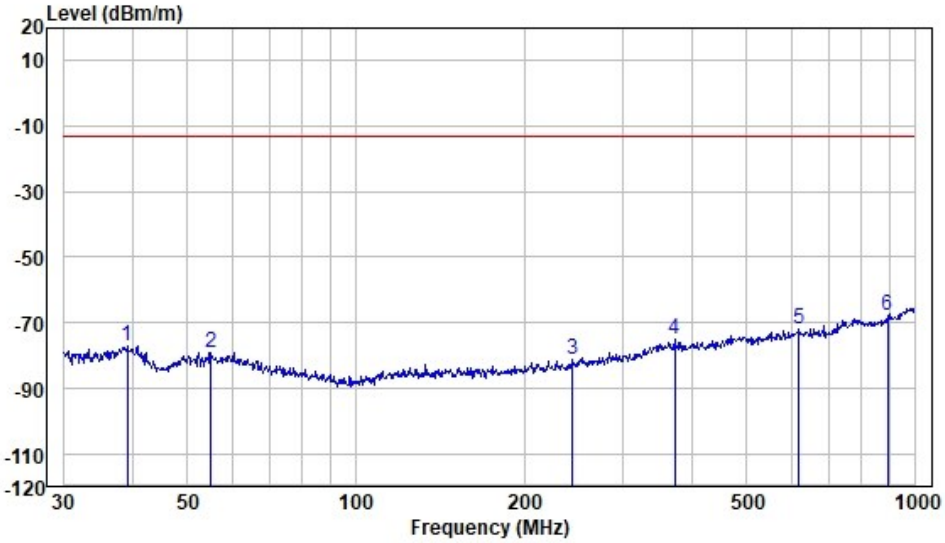
Radiated Spurious emissions

UL_CW_MCH_30MHz-1GHz_Horizontal



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	39.02	-76.67	-0.38	-77.05	-13.00	-64.05	HORIZONTAL
2	55.03	-76.27	-3.01	-79.28	-13.00	-66.28	HORIZONTAL
3	244.23	-75.90	-5.54	-81.44	-13.00	-68.44	HORIZONTAL
4	372.00	-74.38	-0.48	-74.86	-13.00	-61.86	HORIZONTAL
5	620.71	-74.63	2.66	-71.97	-13.00	-58.97	HORIZONTAL
6	893.86	-75.55	7.71	-67.84	-13.00	-54.84	HORIZONTAL

Remark:
The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.

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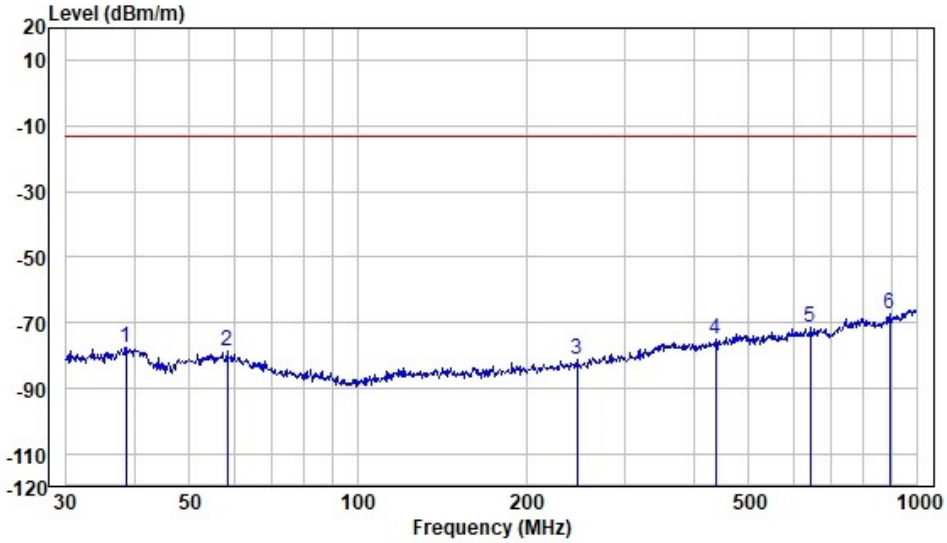
Radiated Spurious emissions
UL_CW_MCH_30MHz-1GHz_Vertical



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	38.48	-77.77	0.00	-77.77	-13.00	-64.77	VERTICAL
2	58.41	-78.52	0.00	-78.52	-13.00	-65.52	VERTICAL
3	246.81	-81.36	0.00	-81.36	-13.00	-68.36	VERTICAL
4	435.59	-75.29	0.00	-75.29	-13.00	-62.29	VERTICAL
5	645.12	-71.58	0.00	-71.58	-13.00	-58.58	VERTICAL
6	893.86	-67.54	0.00	-67.54	-13.00	-54.54	VERTICAL

Remark:
The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.

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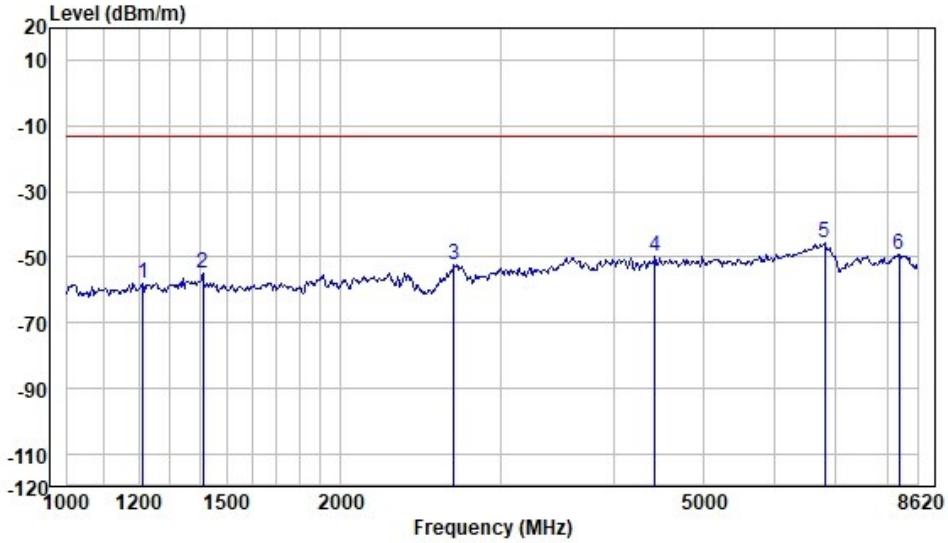
12 Radiated Spurious emissions above 1GHz

Radiated Spurious emissions
DL_CW_MCH_above 1GHz_Horizontal



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1213.94	-59.63	1.87	-57.76	-13.00	-44.76	HORIZONTAL
2	1411.50	-57.81	2.96	-54.85	-13.00	-41.85	HORIZONTAL
3	2664.75	-59.01	6.55	-52.46	-13.00	-39.46	HORIZONTAL
4	4430.32	-60.97	11.21	-49.76	-13.00	-36.76	HORIZONTAL
5	6801.45	-62.53	16.84	-45.69	-13.00	-32.69	HORIZONTAL
6	8221.03	-62.11	13.13	-48.98	-13.00	-35.98	HORIZONTAL

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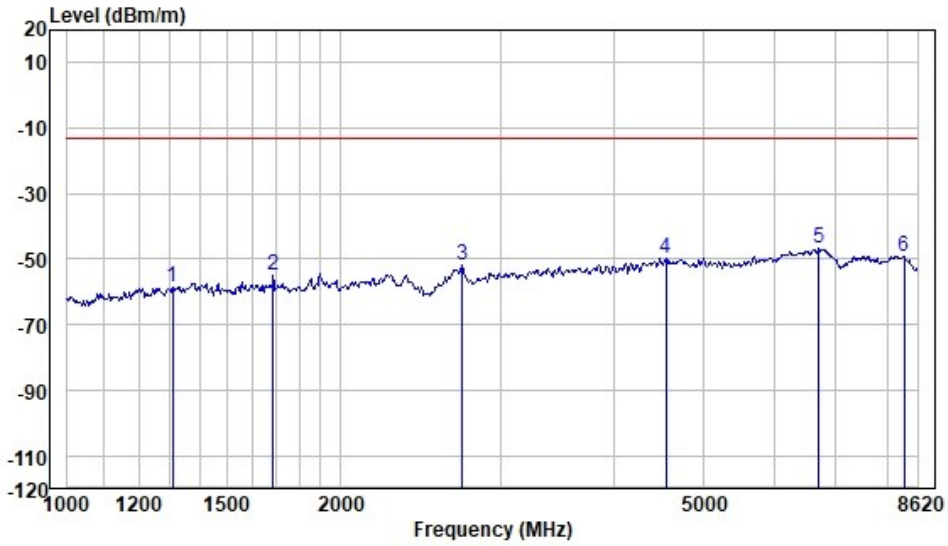
Radiated Spurious emissions

DL_CW_MCH_above 1GHz_Vertical



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1306.18	-60.23	1.69	-58.54	-13.00	-45.54	VERTICAL
2	1684.20	-58.09	2.96	-55.13	-13.00	-42.13	VERTICAL
3	2722.77	-58.67	6.80	-51.87	-13.00	-38.87	VERTICAL
4	4556.14	-61.57	11.65	-49.92	-13.00	-36.92	VERTICAL
5	6714.11	-62.02	15.58	-46.44	-13.00	-33.44	VERTICAL
6	8327.97	-62.70	13.62	-49.08	-13.00	-36.08	VERTICAL

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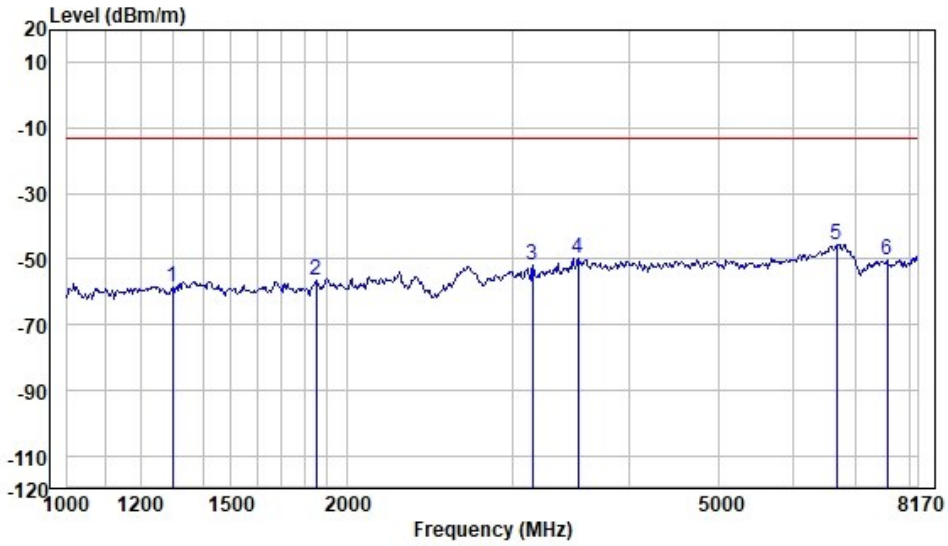
Radiated Spurious emissions

UL_CW_MCH_above 1GHz_Horizontal



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1297.52	-60.31	2.03	-58.28	-13.00	-45.28	HORIZONTAL
2	1850.47	-59.88	3.40	-56.48	-13.00	-43.48	HORIZONTAL
3	3154.90	-59.58	7.60	-51.98	-13.00	-38.98	HORIZONTAL
4	3533.83	-60.31	10.77	-49.54	-13.00	-36.54	HORIZONTAL
5	6678.04	-61.91	16.37	-45.54	-13.00	-32.54	HORIZONTAL
6	7574.99	-62.43	12.25	-50.18	-13.00	-37.18	HORIZONTAL

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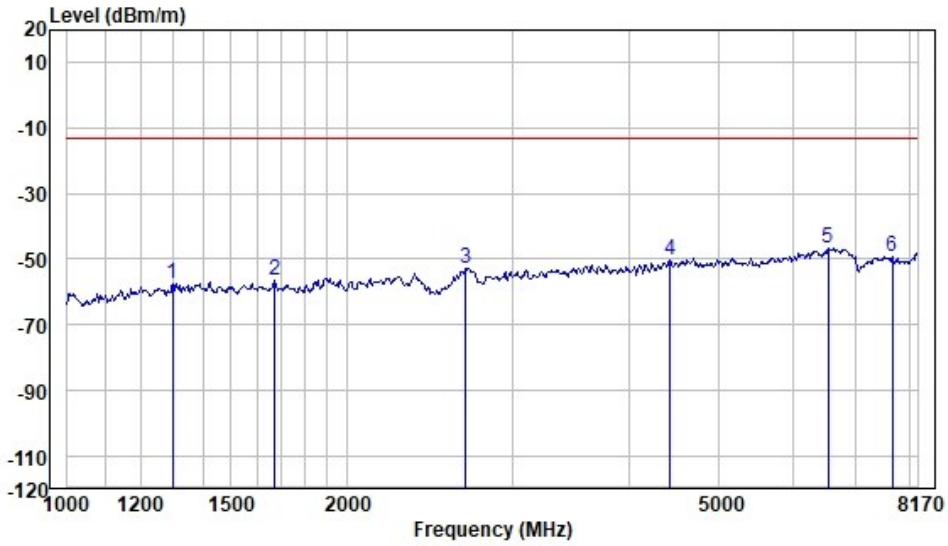
Radiated Spurious emissions

UL_CW_MCH_above 1GHz_Vertical



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1297.52	-59.03	1.67	-57.36	-13.00	-44.36	VERTICAL
2	1669.48	-59.29	2.91	-56.38	-13.00	-43.38	VERTICAL
3	2678.13	-59.44	6.63	-52.81	-13.00	-39.81	VERTICAL
4	4433.69	-61.59	11.30	-50.29	-13.00	-37.29	VERTICAL
5	6539.23	-62.09	15.31	-46.78	-13.00	-33.78	VERTICAL
6	7671.06	-62.28	13.16	-49.12	-13.00	-36.12	VERTICAL

--End of Appendix--

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

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