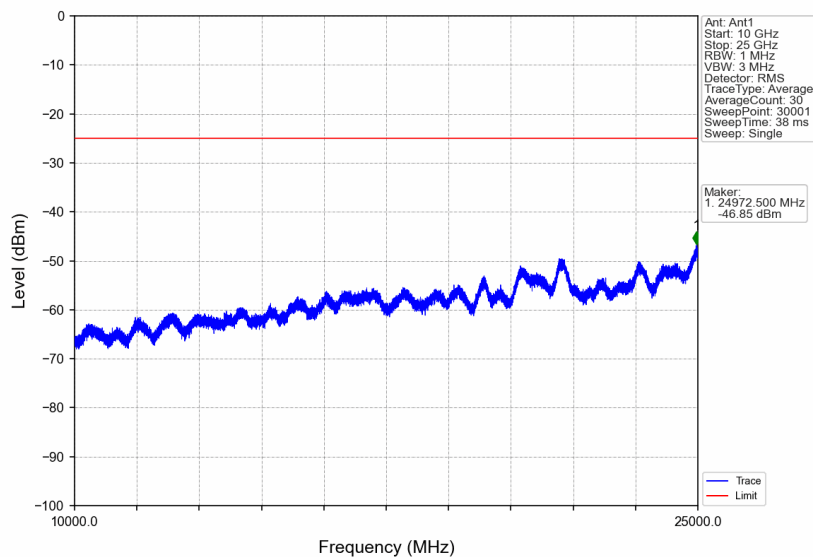


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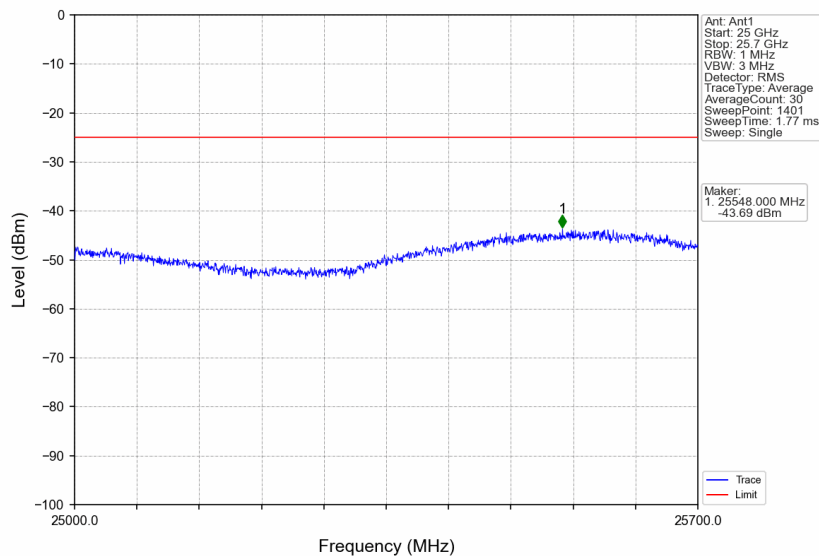
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Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV



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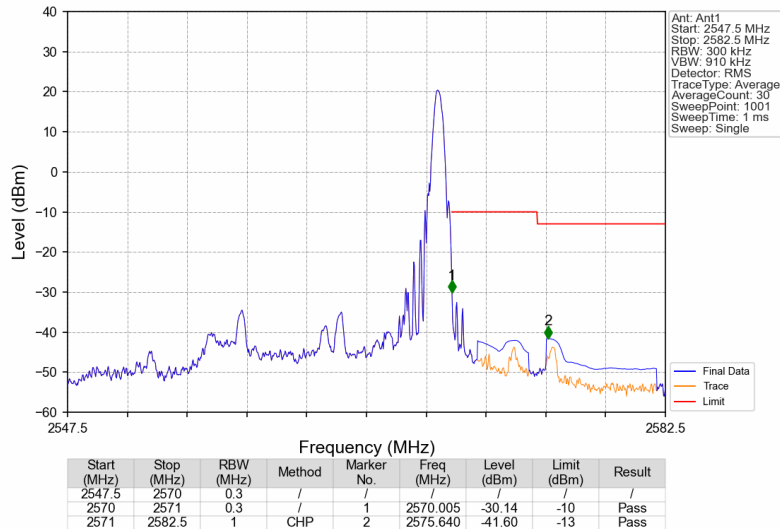
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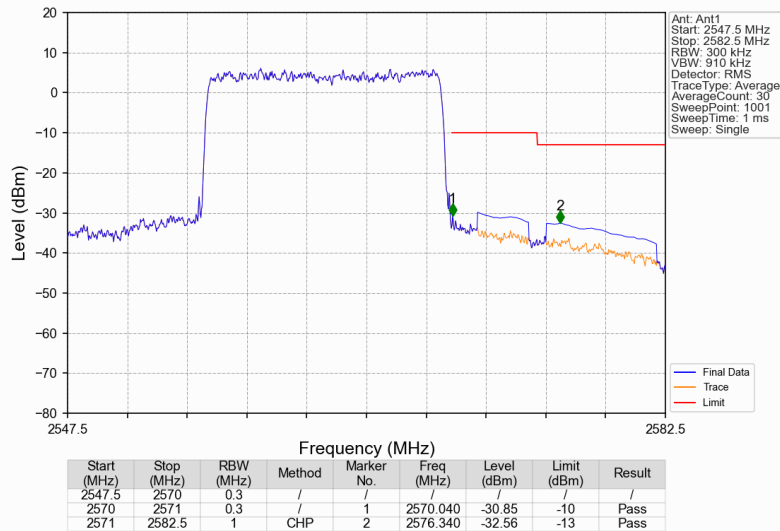
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Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_74_NTNV



Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



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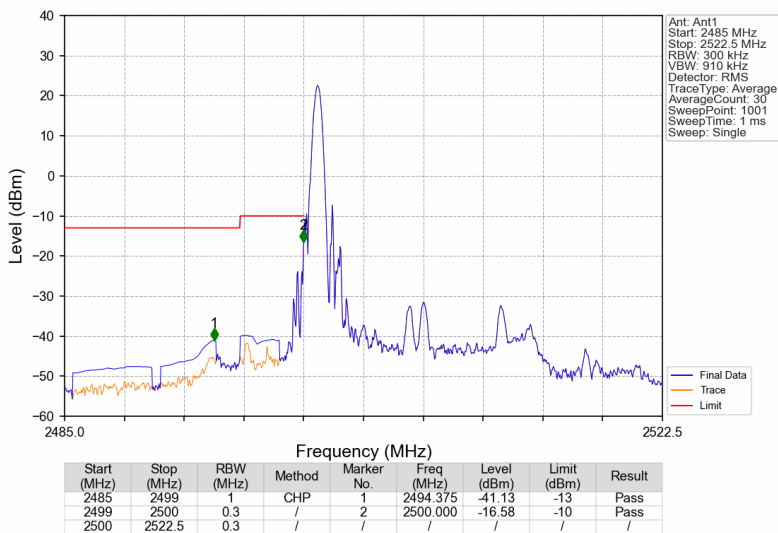
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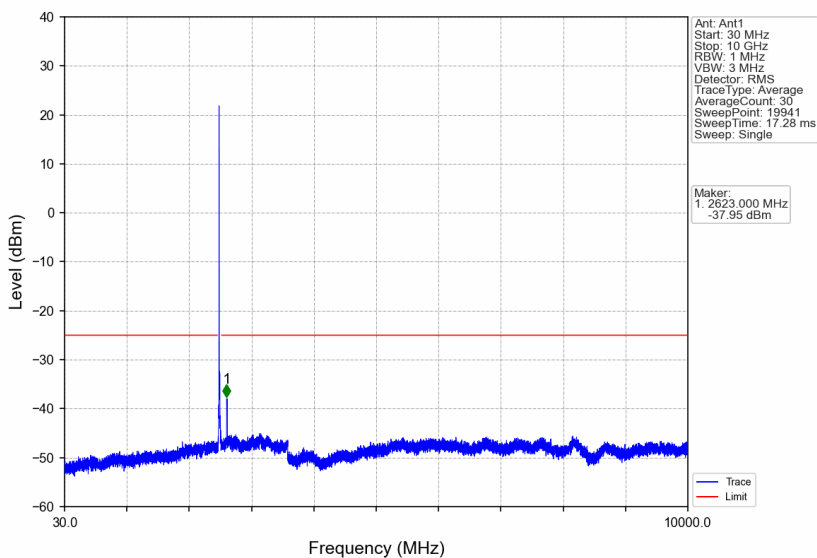
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Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



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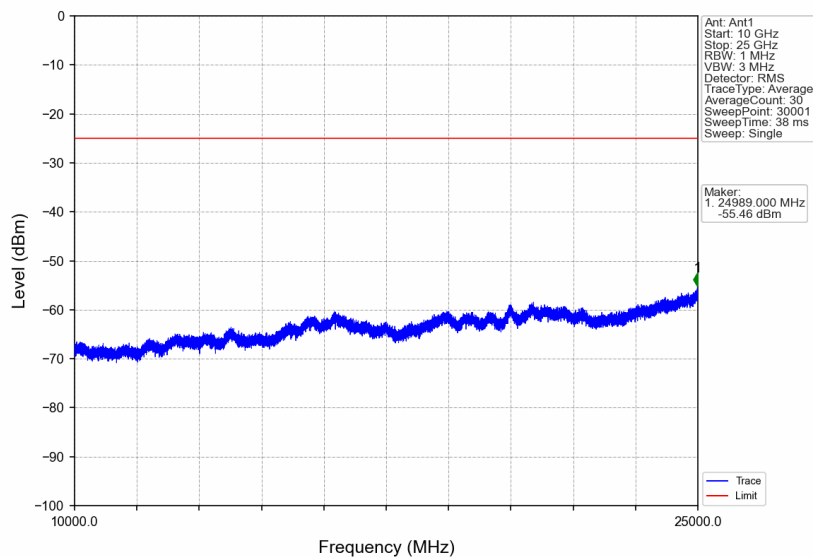
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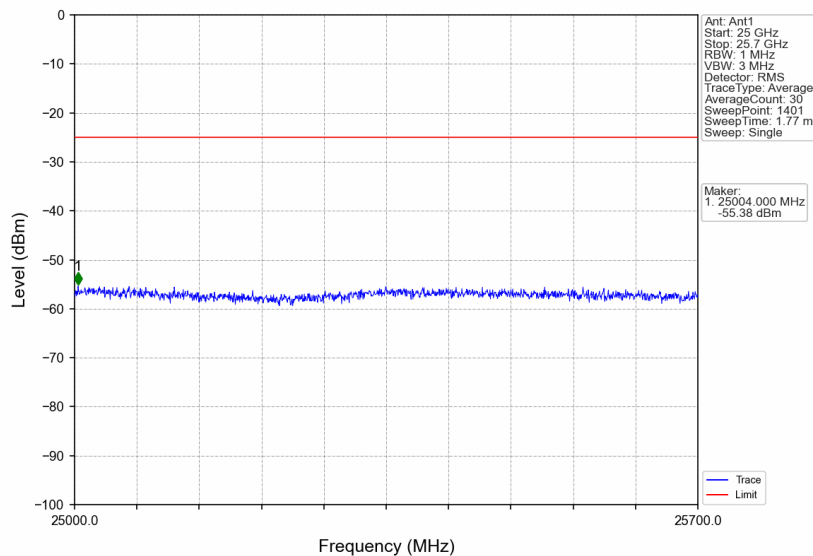
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Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



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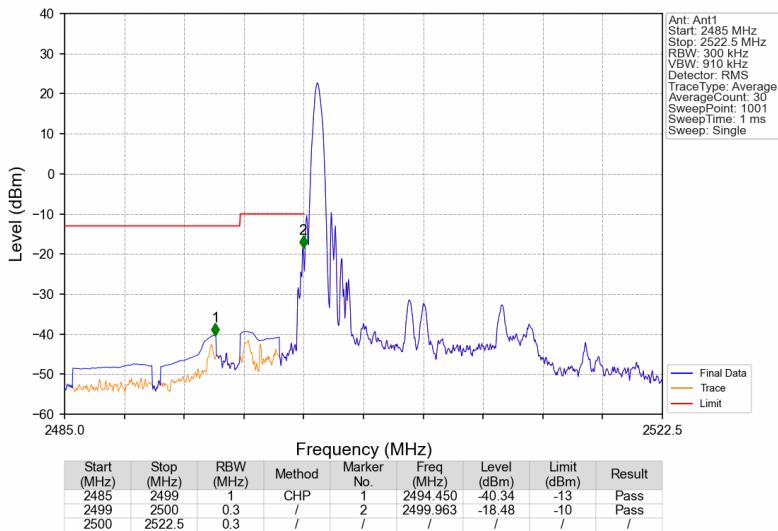
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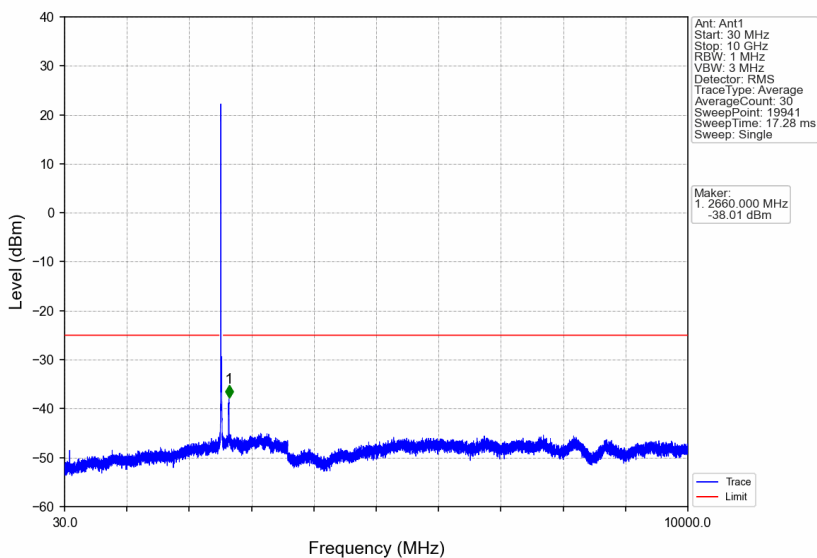
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Band7 15MHz 64QAM LCH 2507.5MHz RB 75 0 NTN



Band7 15MHz 64QAM MCH 2535MHz RB 1 0 NTN



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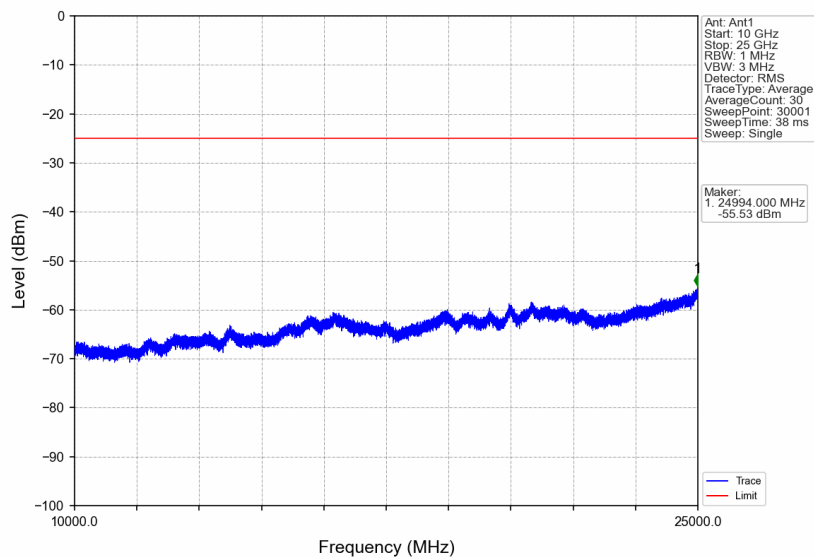
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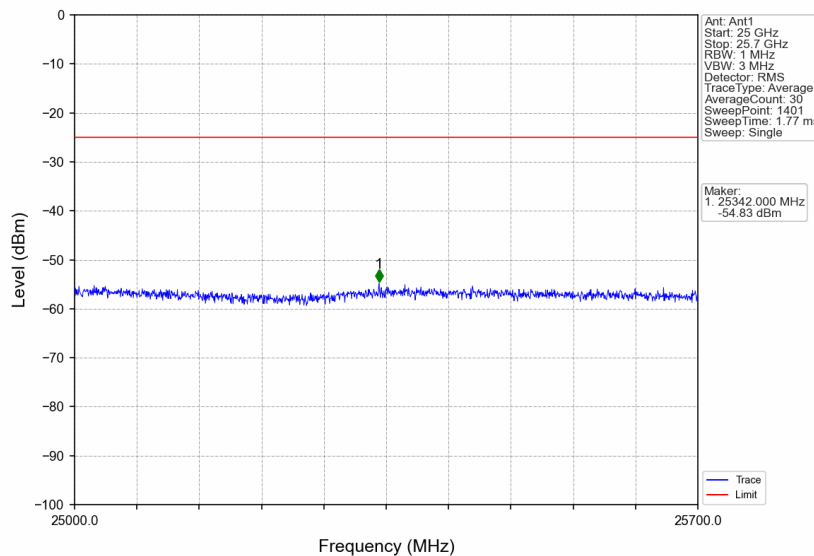
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Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



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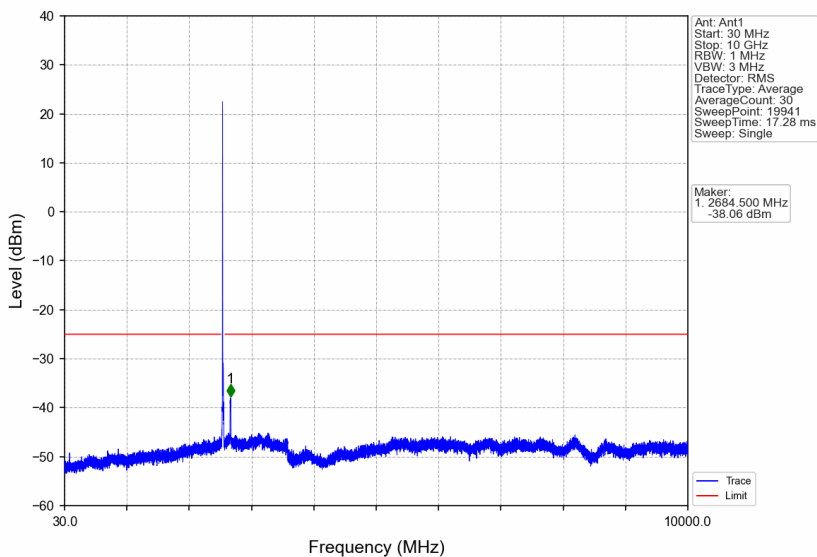
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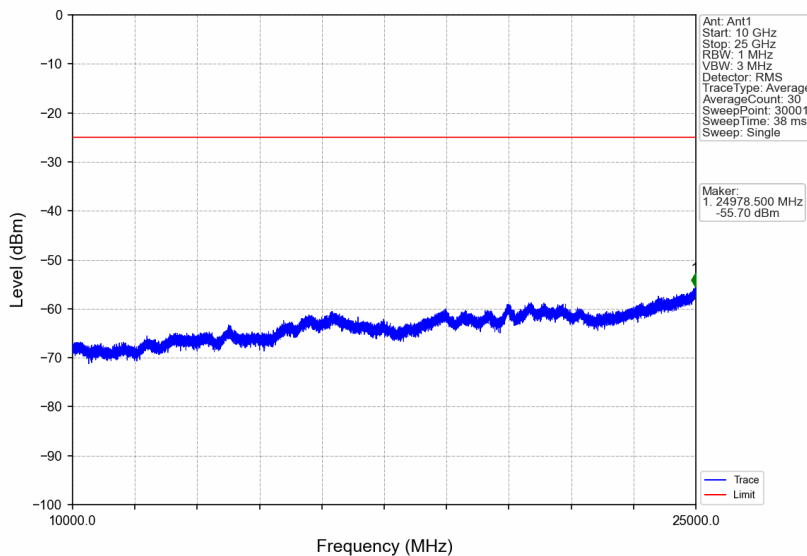
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Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



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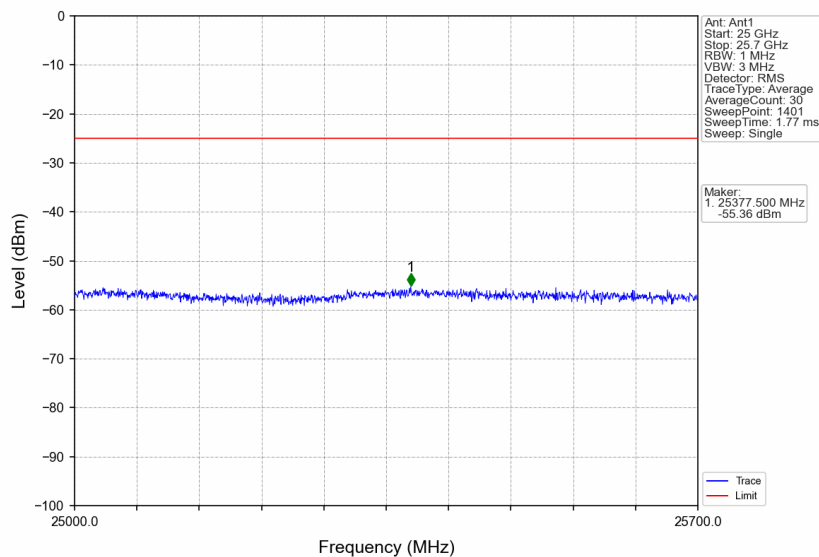
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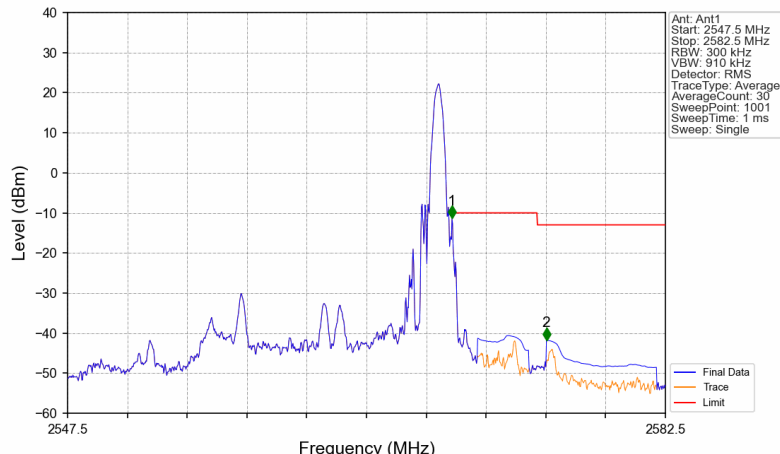
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Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.005	-11.39	-10	Pass
2571	2582.5	1	CHP	2	2575.535	-41.77	-13	Pass



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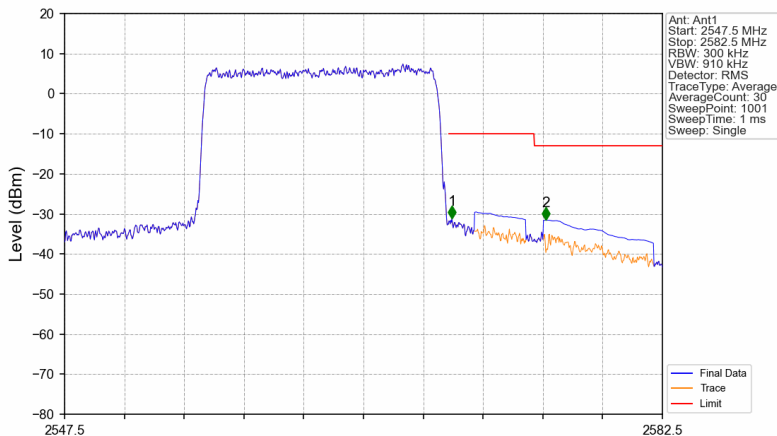
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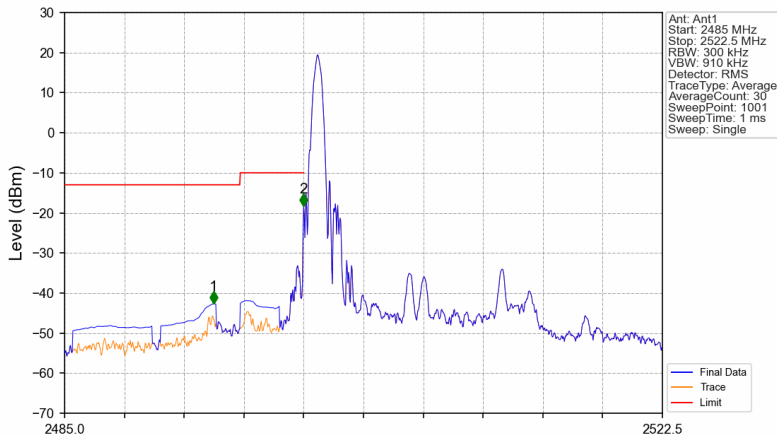
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Band7 15MHz 64QAM HCH 2562.5MHz RB 75_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.180	-31.11	-10	Pass
2571	2582.5	1	CHP	2	2575.675	-31.56	-13	Pass

Band7 15MHz 256QAM LCH 2507.5MHz RB 1_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.338	-42.71	-13	Pass
2499	2500	0.3	/	2	2500.000	-18.38	-10	Pass
2500	2522.5	0.3	/	/	/	/	/	/



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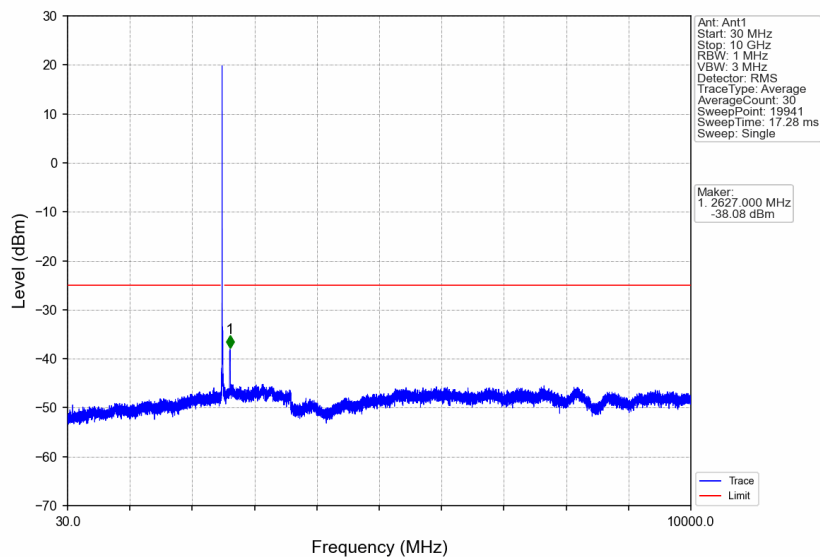
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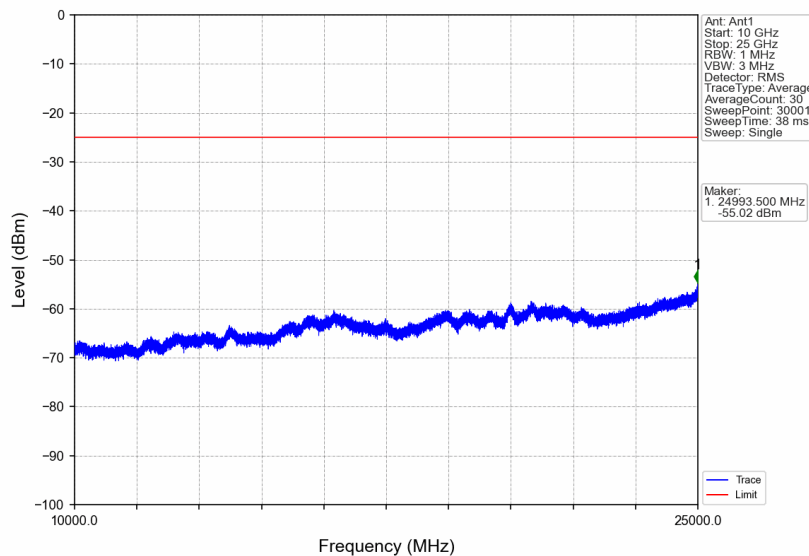
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Band7_15MHz_256QAM_LCH_2507.5MHz_RB_1_0_NTNV



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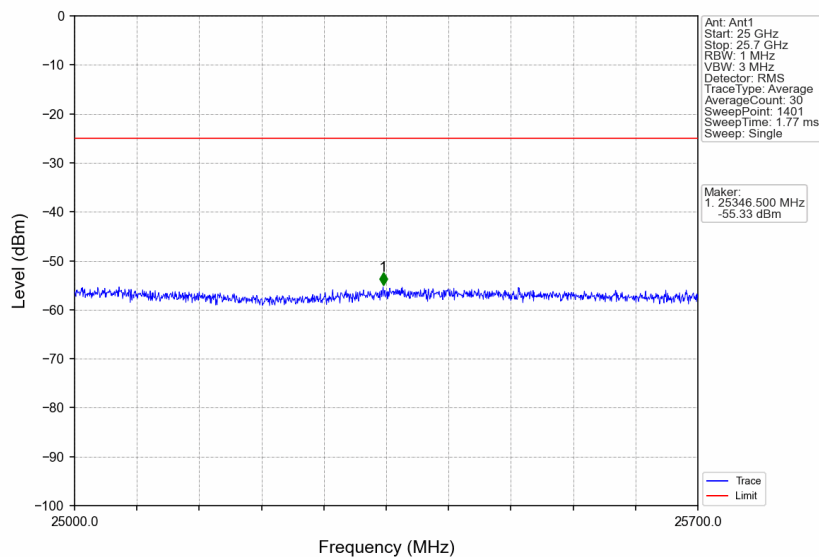
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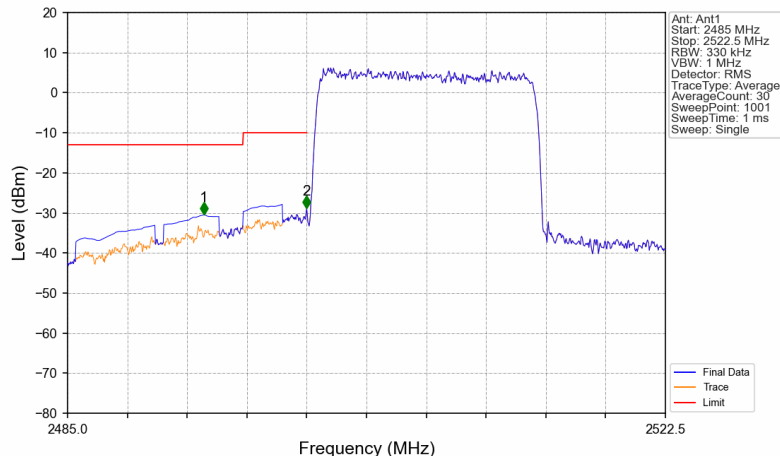
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Band7_15MHz_256QAM_LCH_2507.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2493.550	-30.52	-13	Pass
2499	2500	0.33	/	2	2500.000	-28.91	-10	Pass
2500	2522.5	0.33	/	/	/	/	/	/



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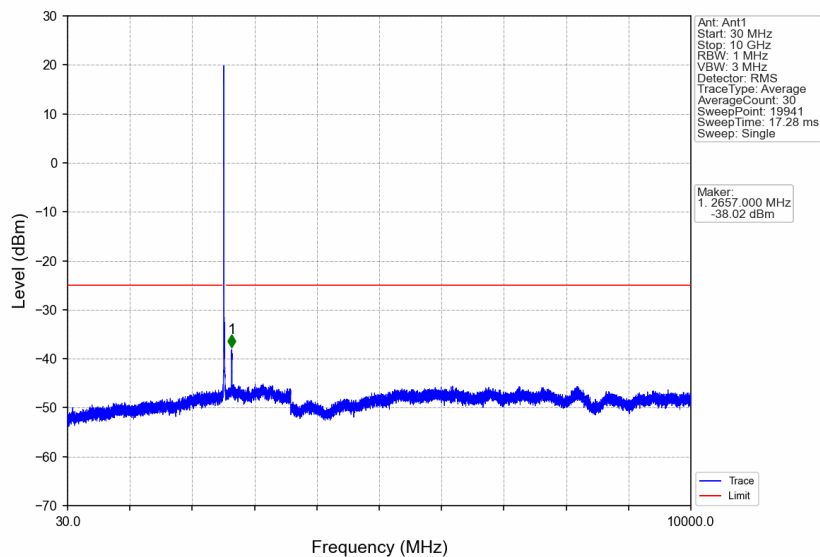
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Report No.: SEWM2311000456RG01

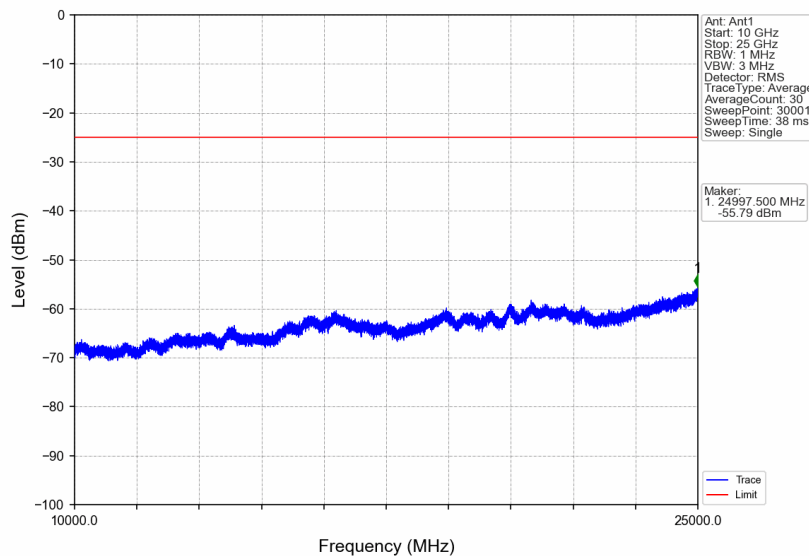
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Band7_15MHz_256QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_15MHz_256QAM_MCH_2535MHz_RB_1_0_NTNV



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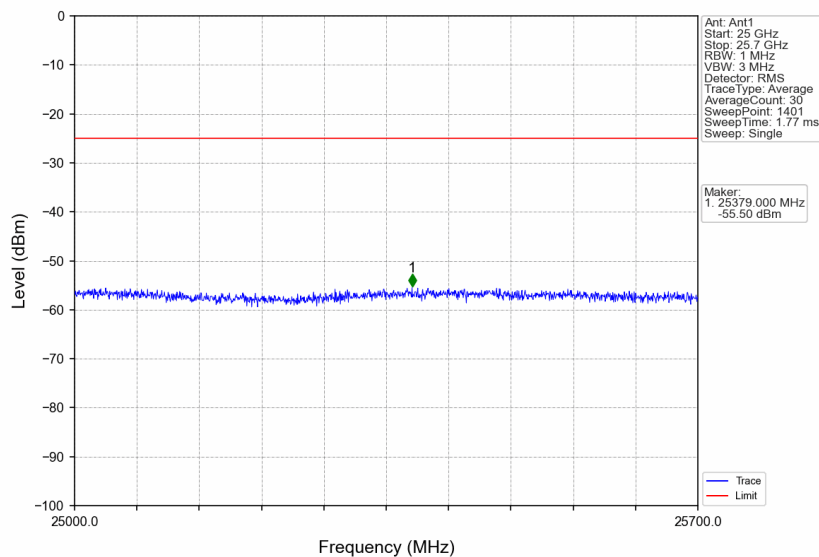
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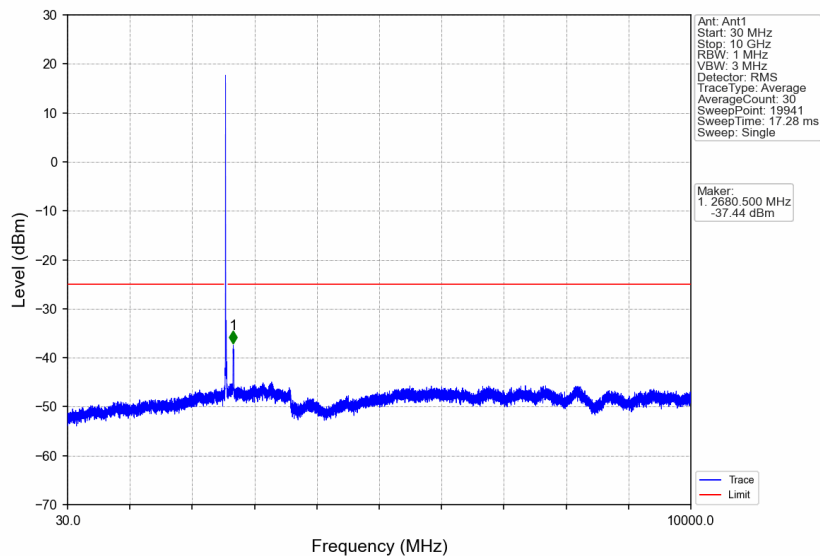
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Band7_15MHz_256QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_15MHz_256QAM_HCH_2562.5MHz_RB_1_0_NTNV



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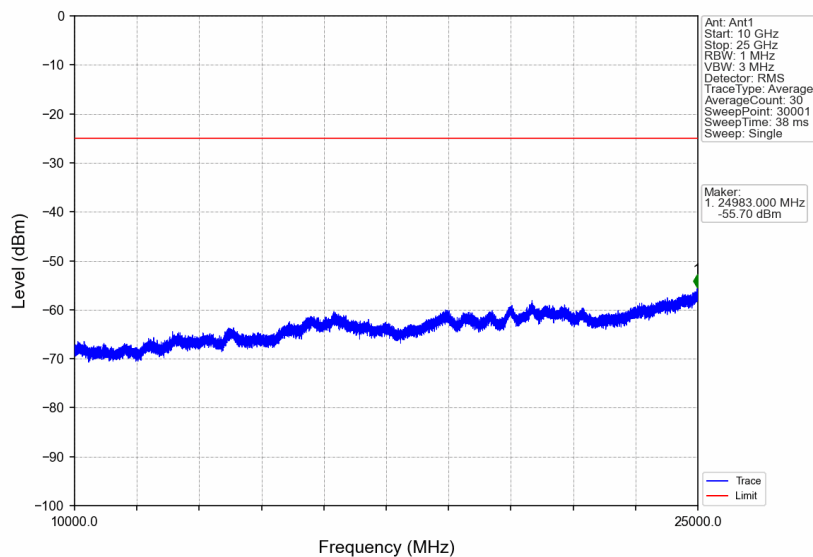
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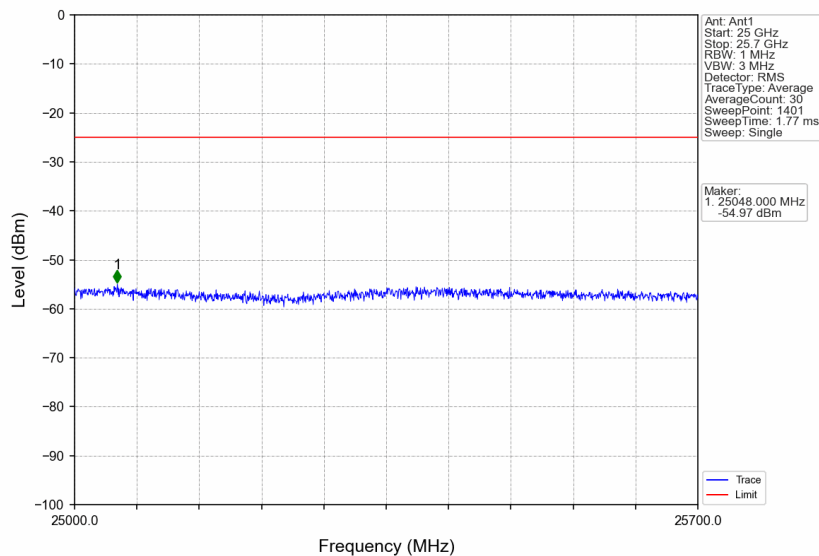
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Band7_15MHz_256QAM_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_256QAM_HCH_2562.5MHz_RB_1_0_NTNV



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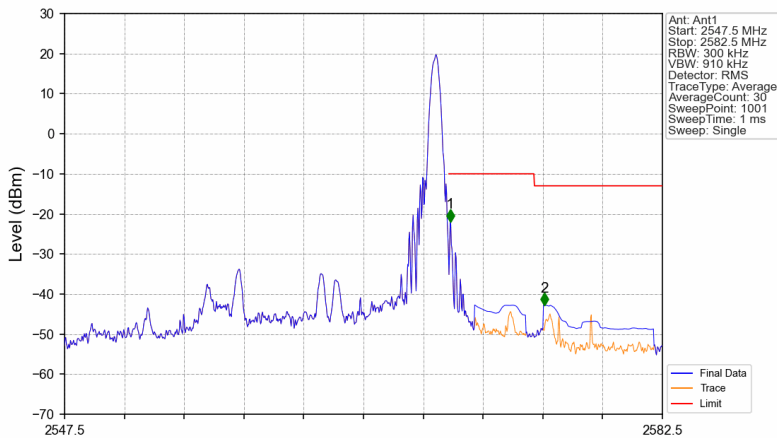
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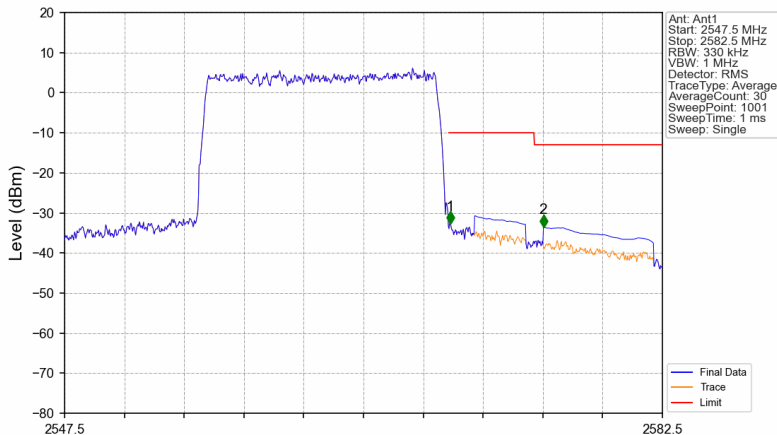
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Band7_15MHz_256QAM_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.075	-21.96	-10	Pass
2571	2582.5	1	CHP	2	2575.605	-42.79	-13	Pass

Band7_15MHz_256QAM_HCH_2562.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.33	/	/	/	/	/	/
2570	2571	0.33	/	1	2570.075	-32.71	-10	Pass
2571	2582.5	1	CHP	2	2575.535	-33.54	-13	Pass



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5.4 B7_20MHz

5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
256QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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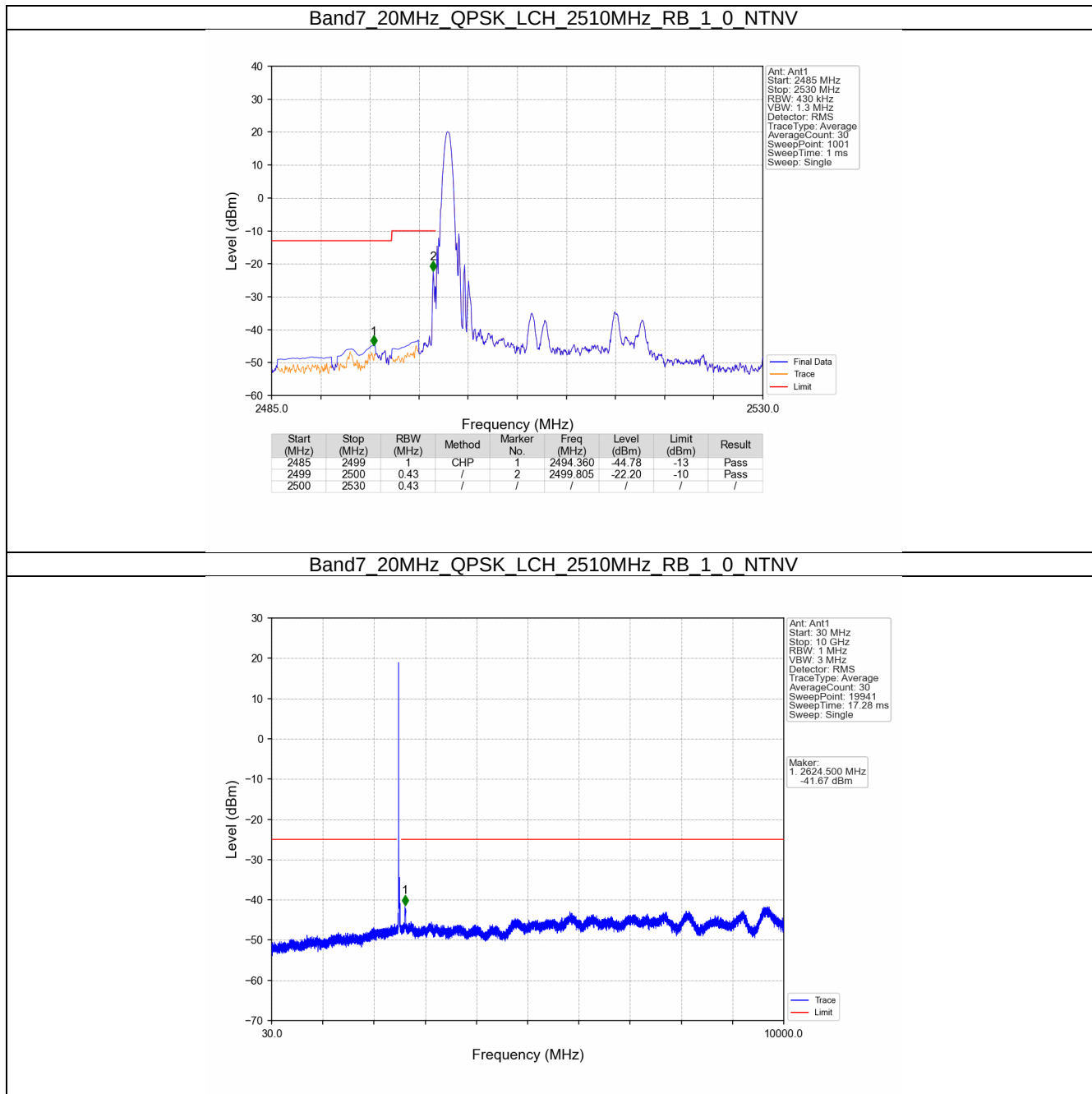
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5.4.2 Test Graph



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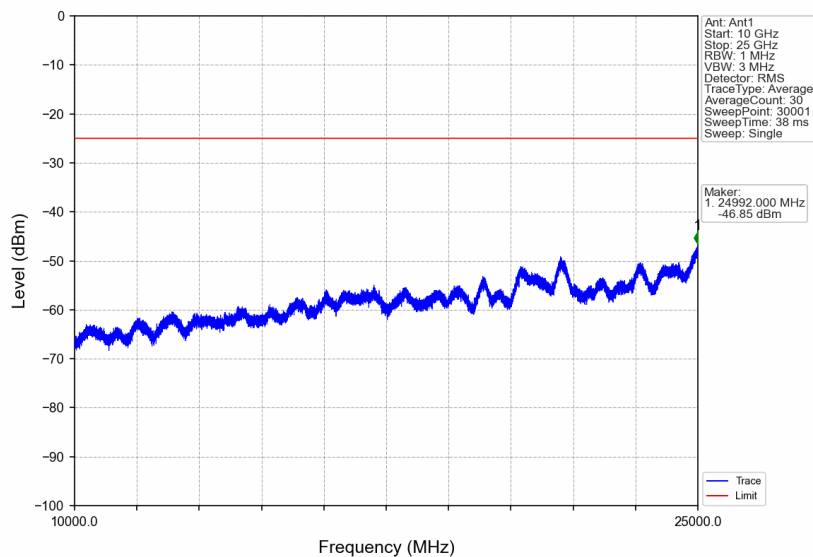
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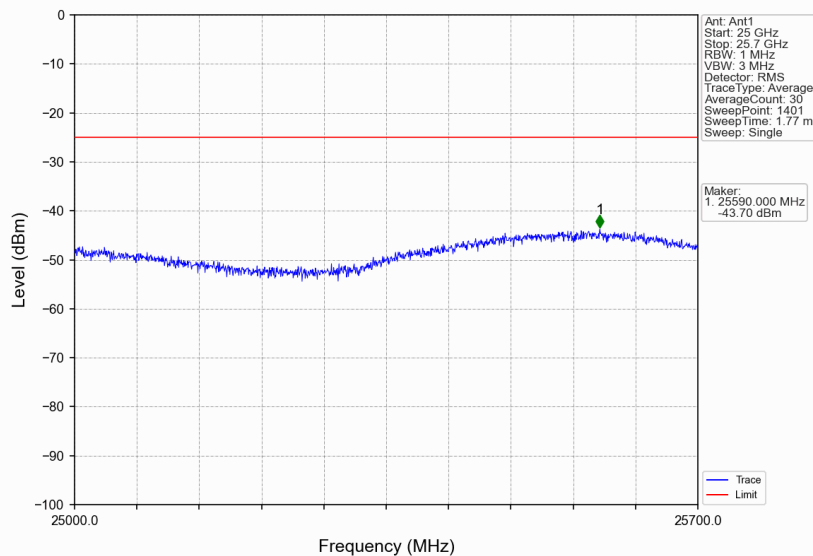
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Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



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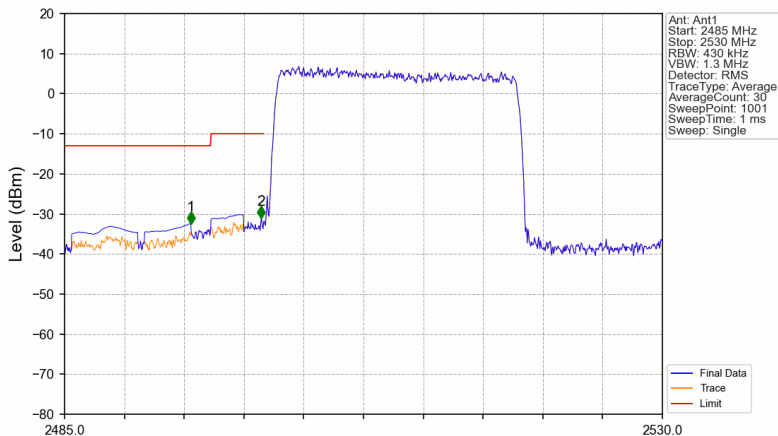
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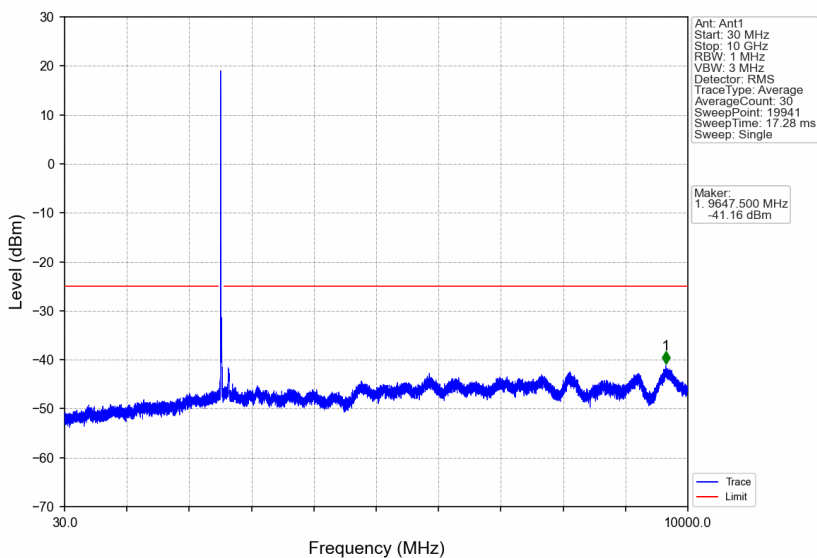
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Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.495	-32.52	-13	Pass
2499	2500	0.43	/	2	2499.805	-31.14	-10	Pass
2500	2530	0.43	/	/	/	/	/	/

Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



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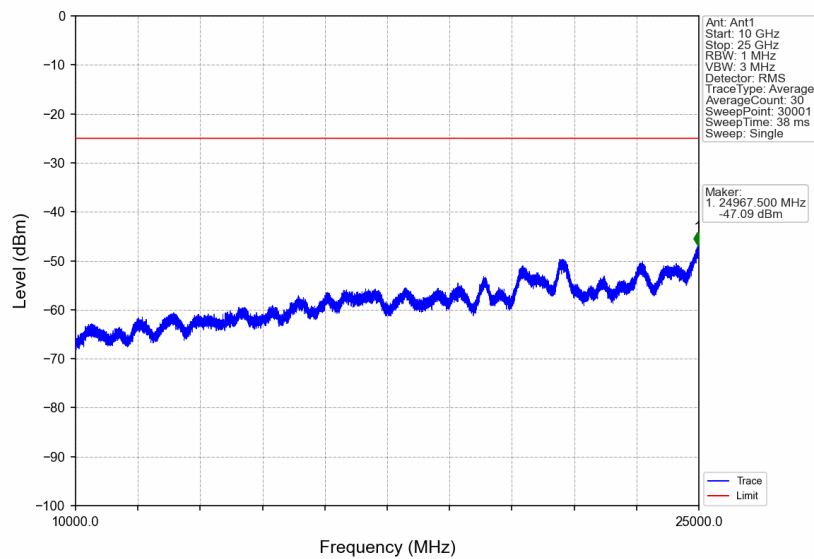
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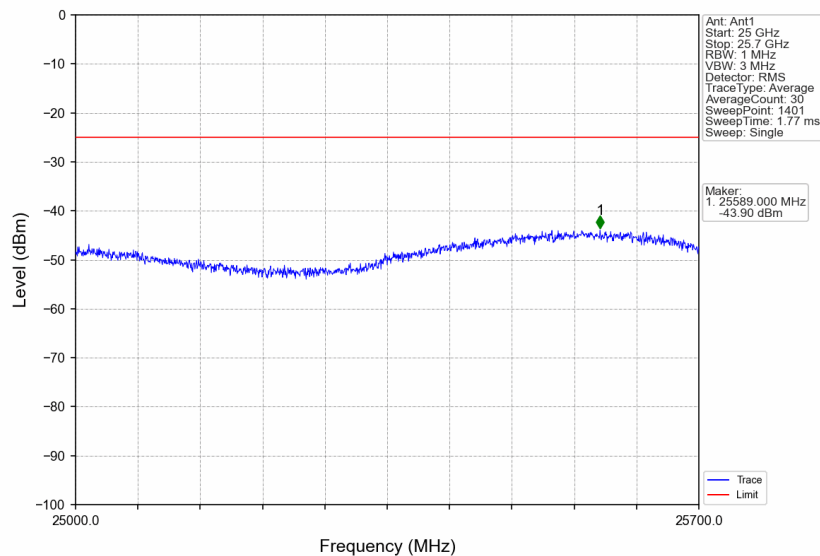
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Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



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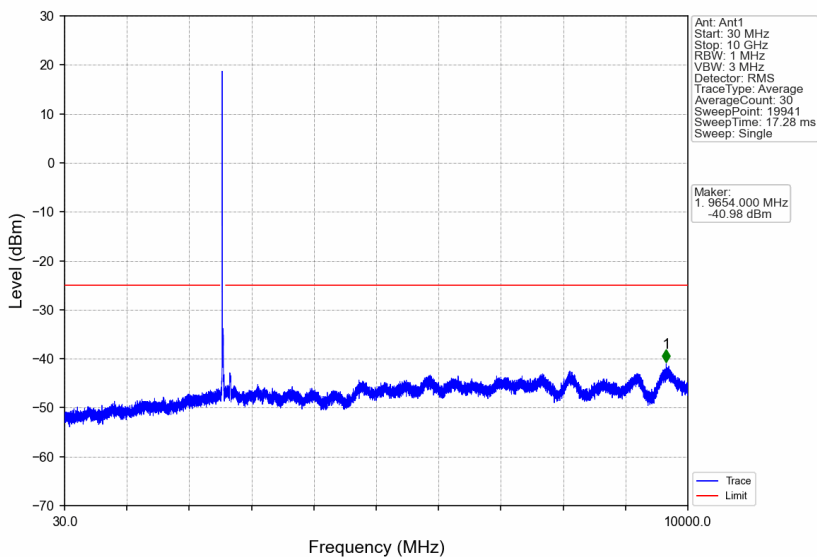
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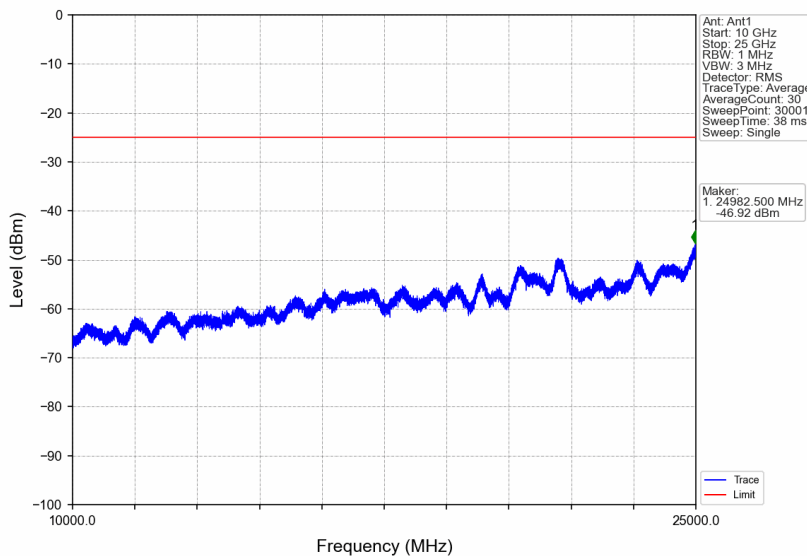
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Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



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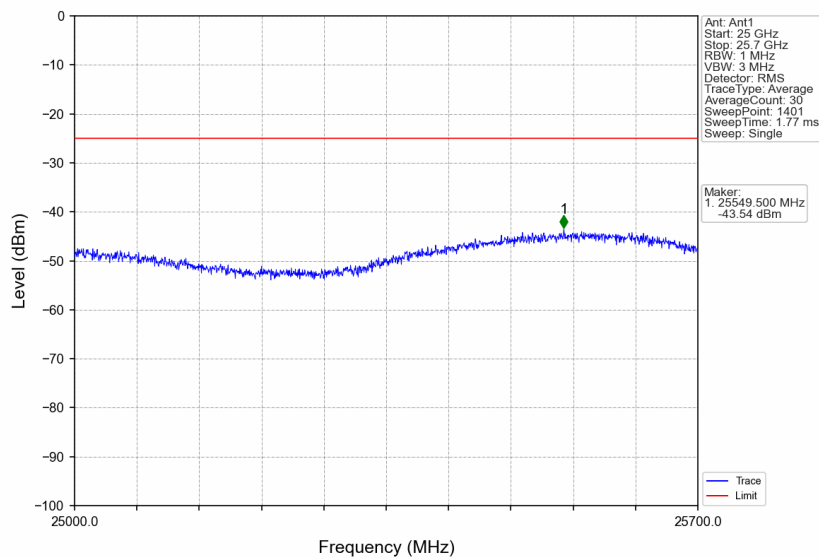
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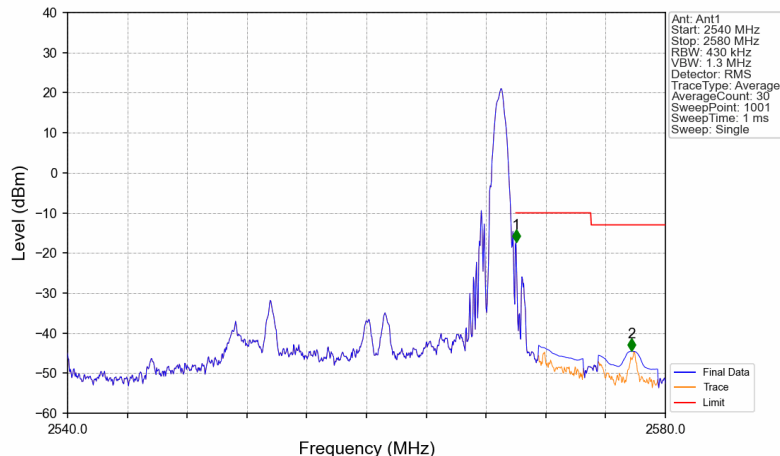
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Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	2570.000	-17.30	-10	/
2570	2571	0.43	/	1	2570.000	-17.30	-10	Pass
2571	2580	1	CHP	2	2577.720	-44.54	-13	Pass



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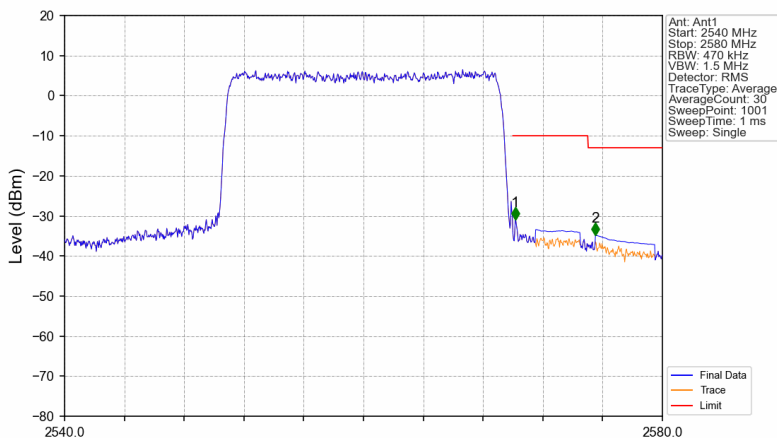
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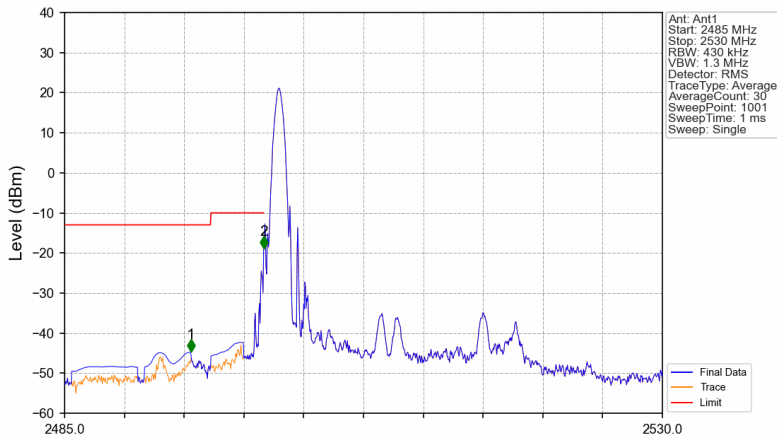
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Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.47	/	/	/	/	/	/
2570	2571	0.47	/	1	2570.160	-30.92	-10	Pass
2571	2580	1	CHP	2	2575.520	-34.90	-13	Pass

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	/	/	/	/	/	/
2499	2500	0.43	CHP	1	2494.495	-44.71	-13	Pass
2500	2530	0.43	/	2	2499.985	-18.89	-10	Pass



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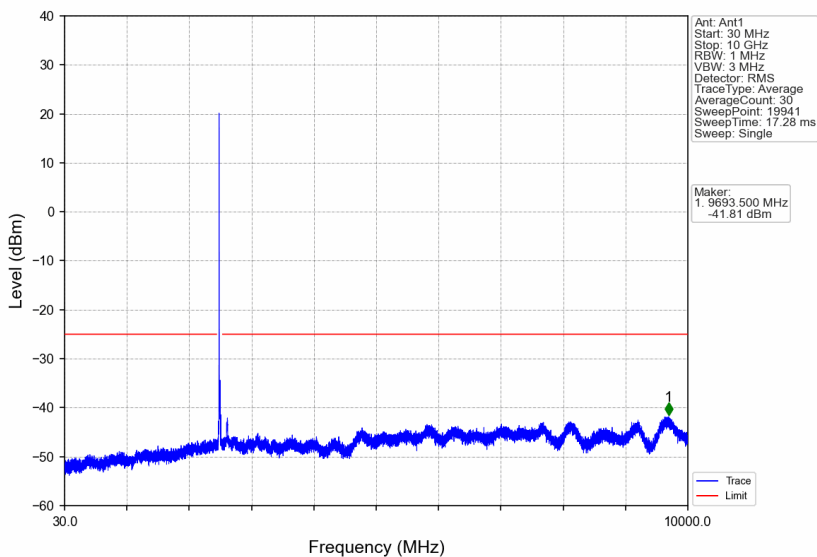
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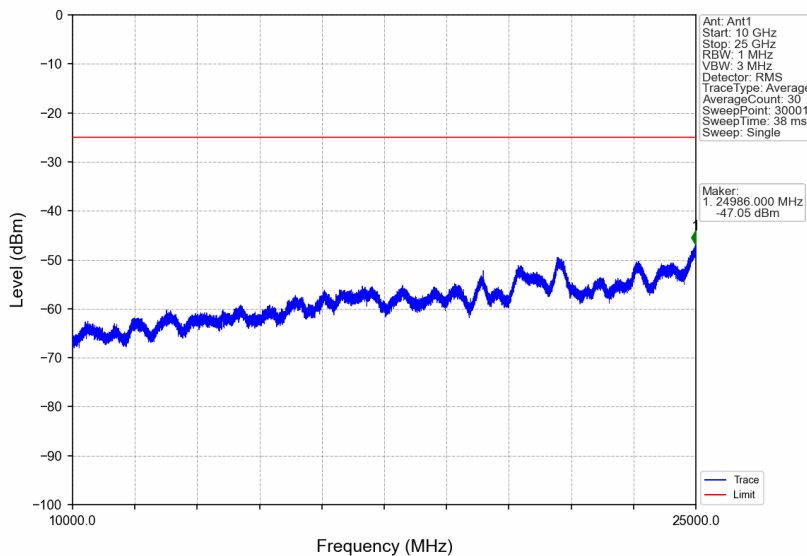
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Band7 20MHz 16QAM LCH 2510MHz RB 1 0 NTN



Band7 20MHz 16QAM LCH 2510MHz RB 1 0 NTN



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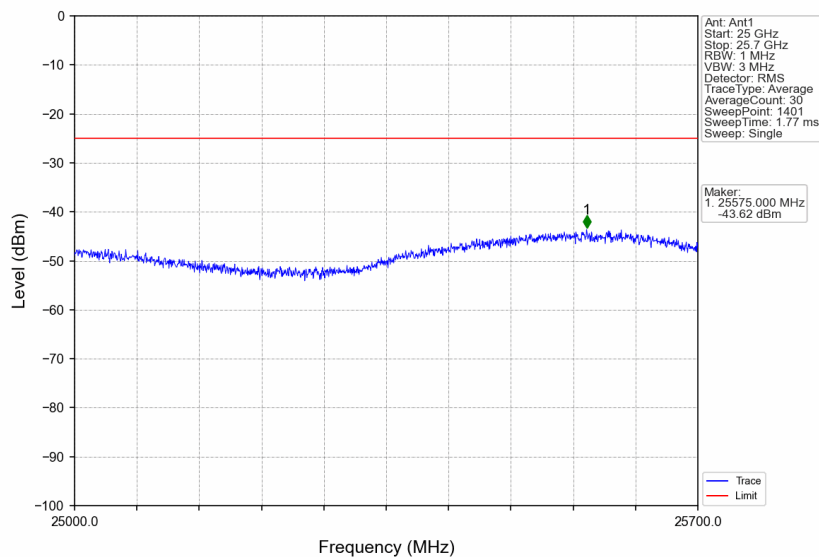
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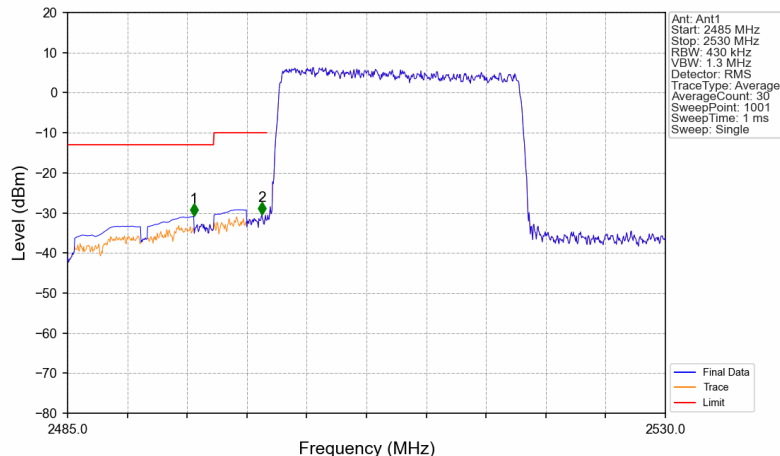
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Band7 20MHz 16QAM LCH 2510MHz RB 1 0 NTNV



Band7 20MHz 16QAM LCH 2510MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.495	-30.86	-13	Pass
2499	2500	0.43	/	2	2499.625	-30.41	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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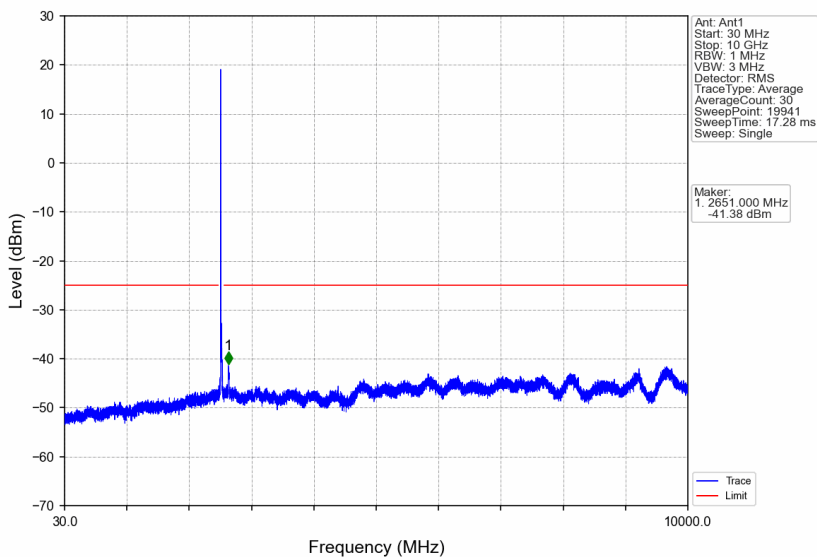
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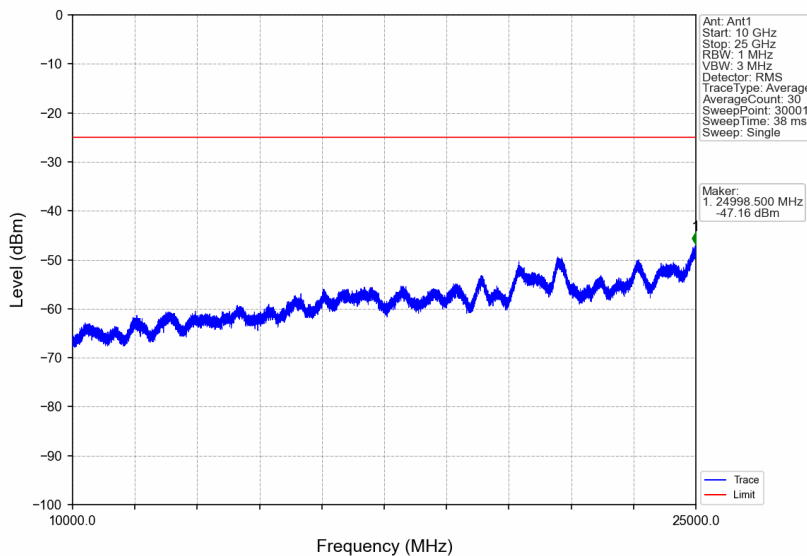
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Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



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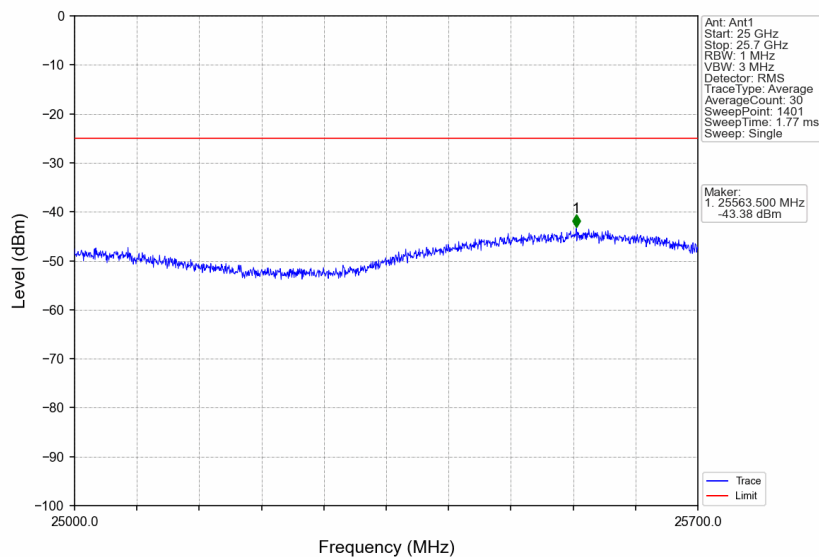
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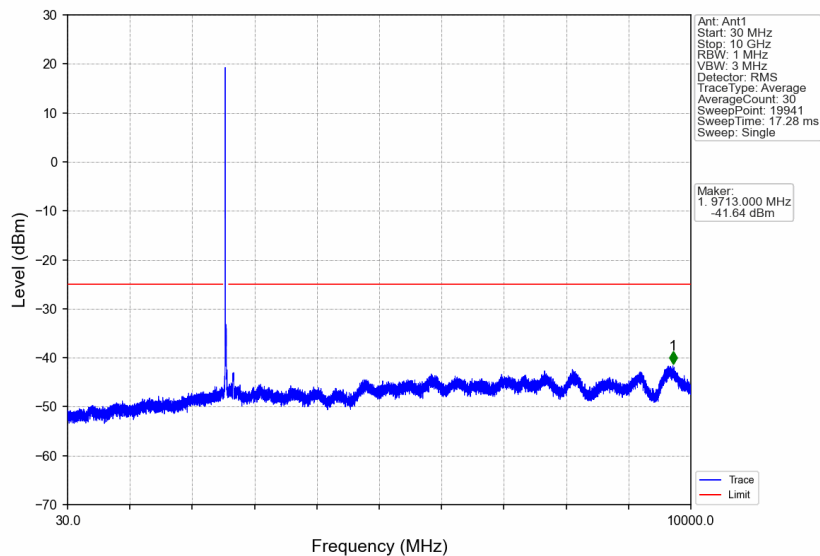
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Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



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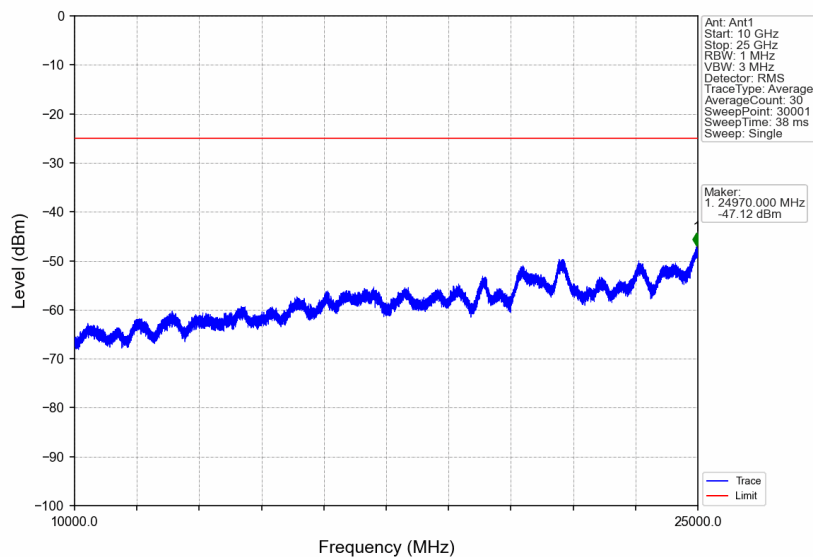
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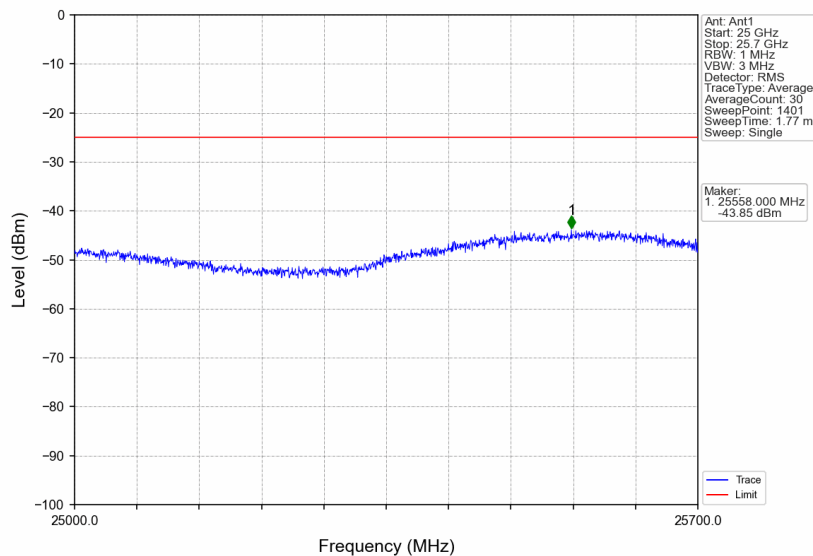
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Band7 20MHz 16QAM HCH 2560MHz RB 1_0 NTN



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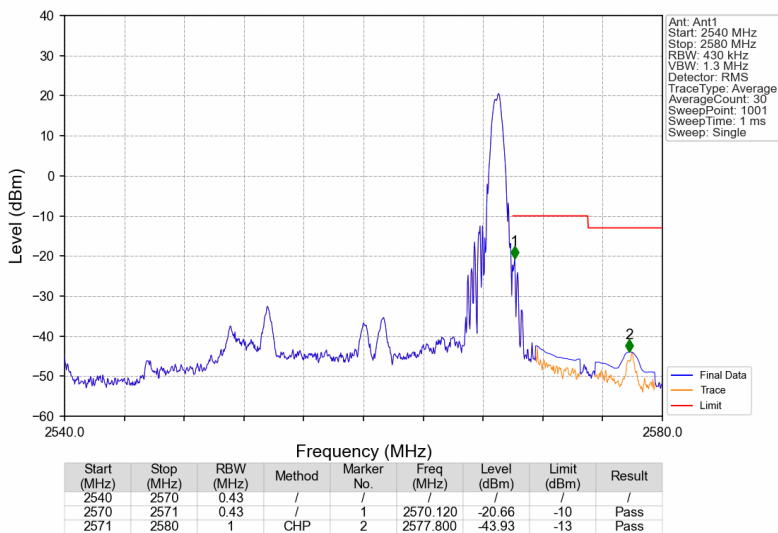
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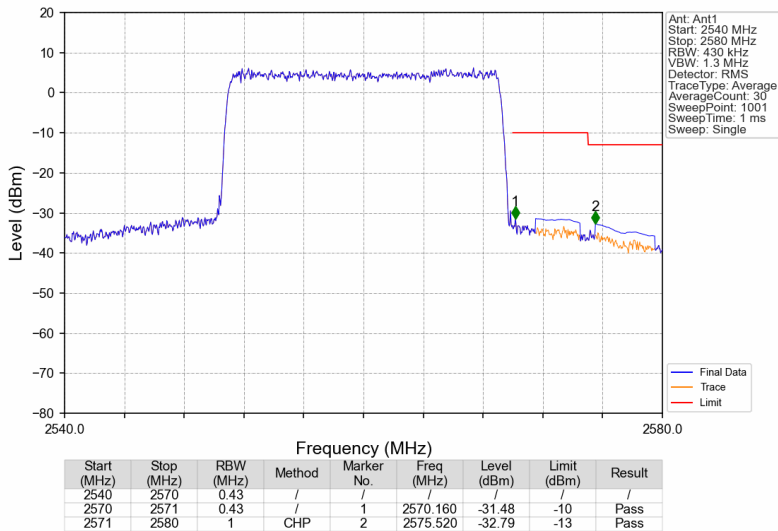
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Band7_20MHz_16QAM_HCH_2560MHz_RB_1_99_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



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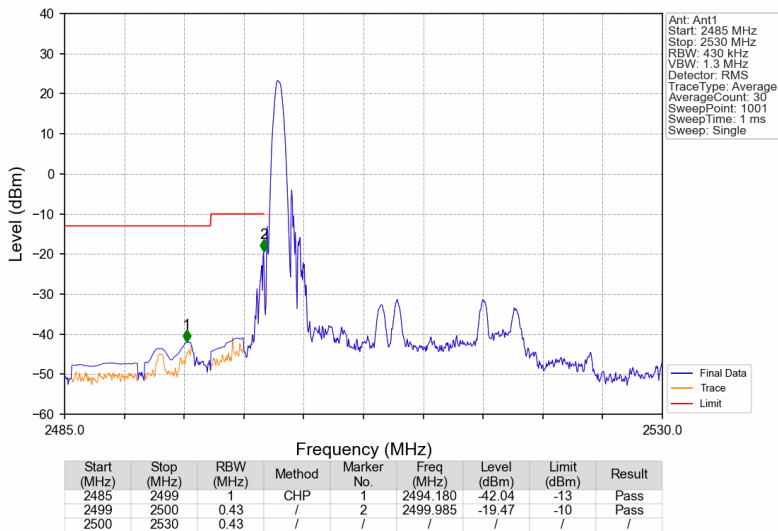
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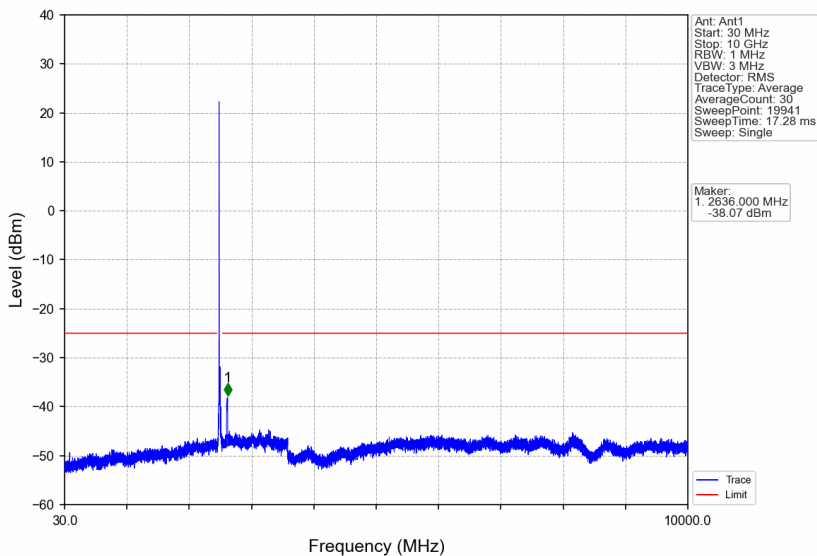
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Band7 20MHz 64QAM LCH 2510MHz RB 1 0 NTN



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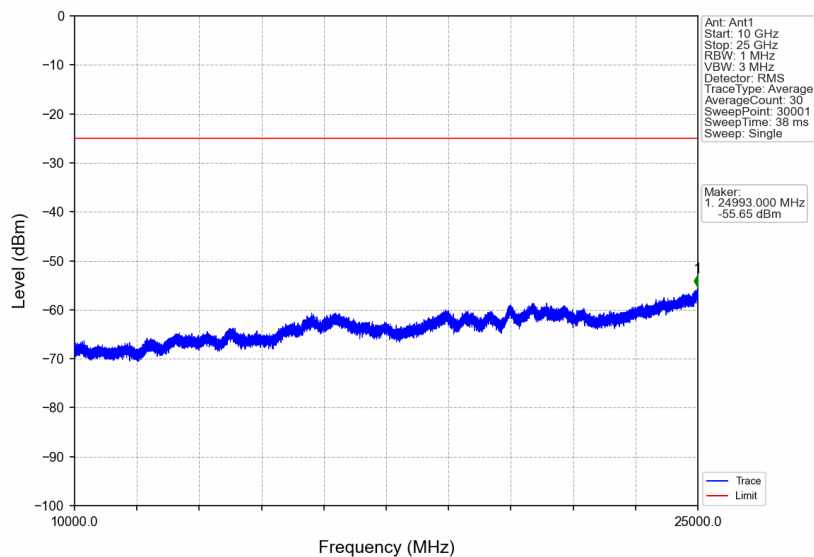


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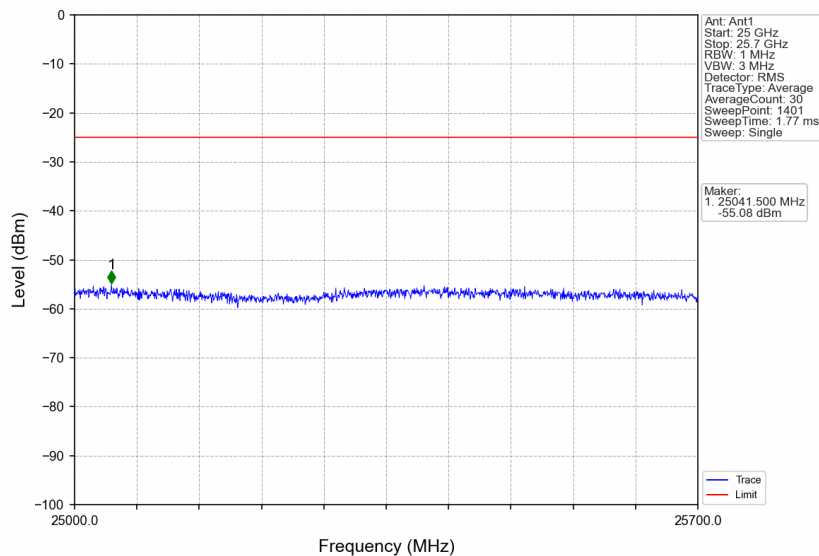
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Band7 20MHz 64QAM LCH 2510MHz RB 1 0 NTN



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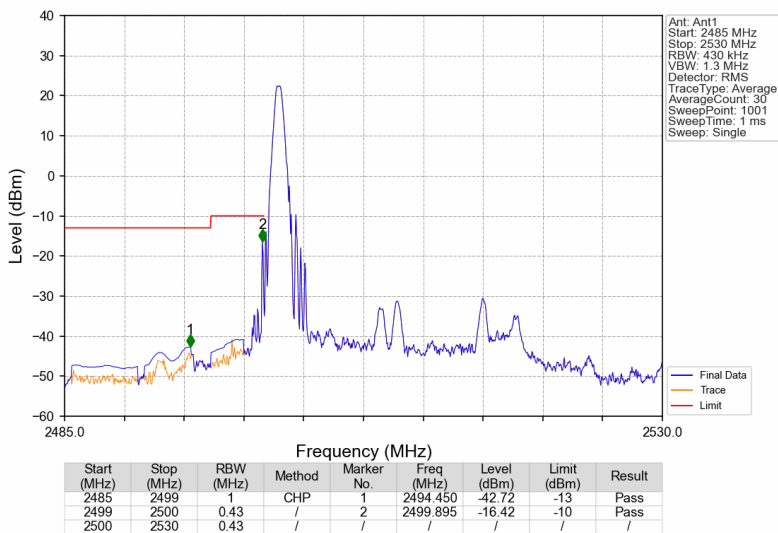
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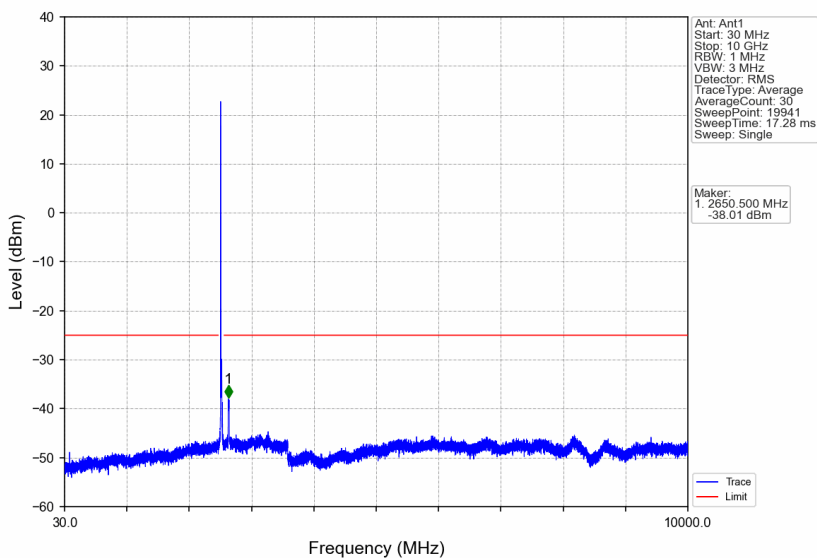
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Band7 20MHz 64QAM LCH 2510MHz RB 100 0 NTN



Band7 20MHz 64QAM MCH 2535MHz RB 1 0 NTN



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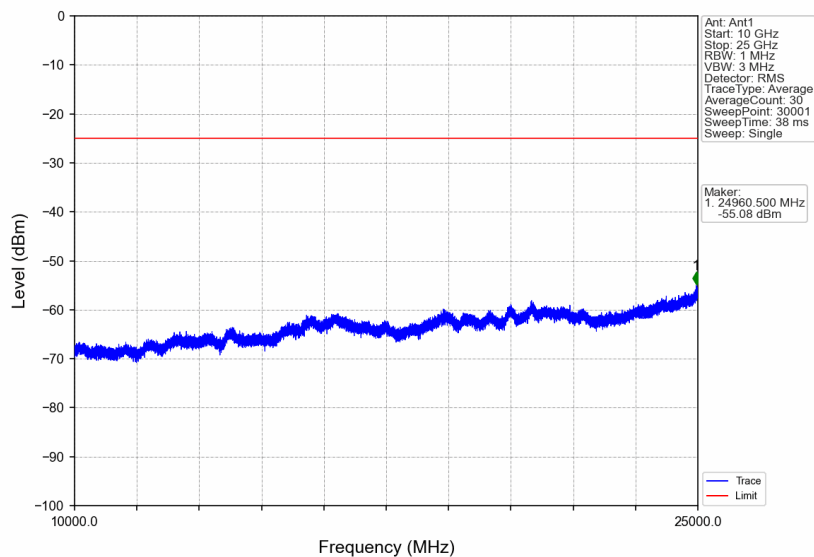
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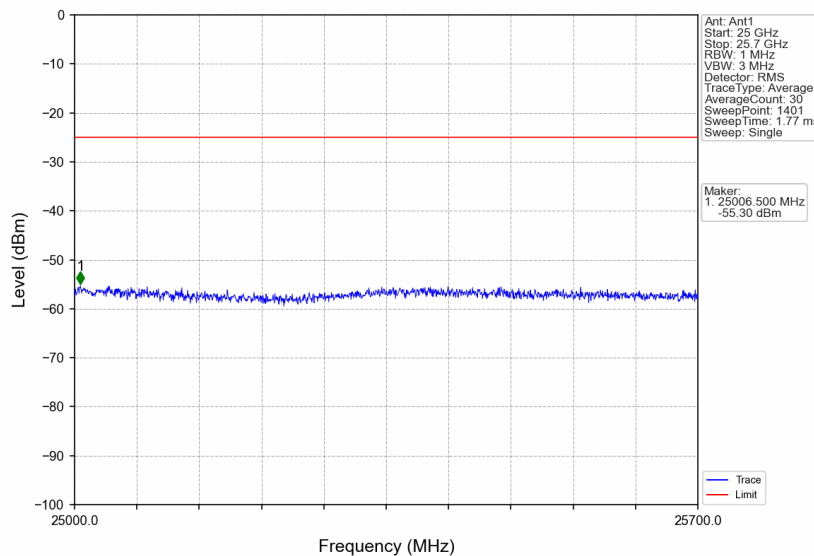
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Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



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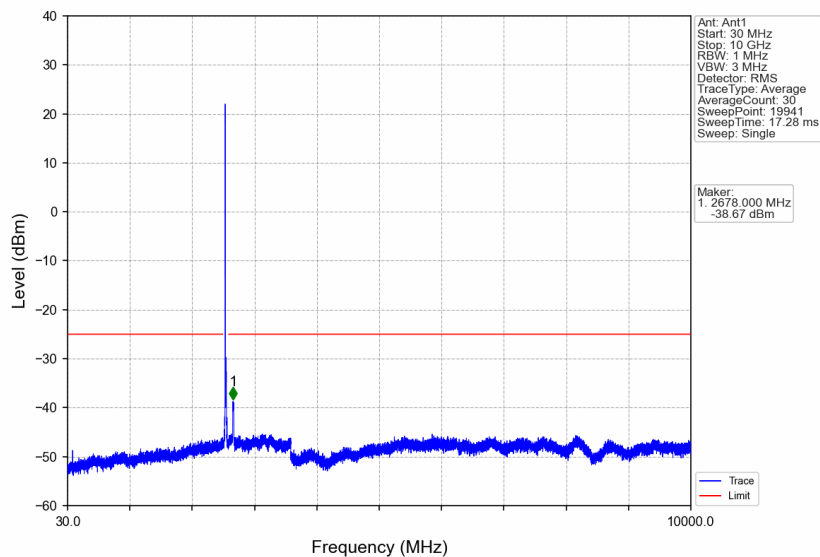
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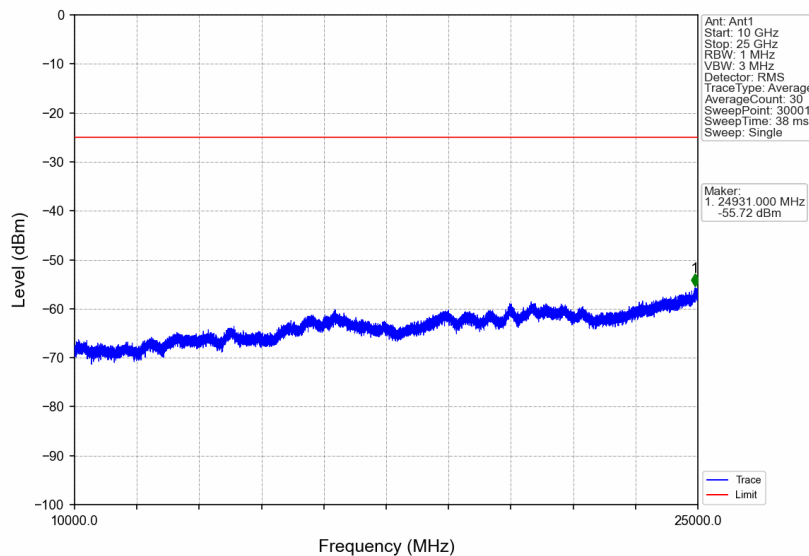
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Band7 20MHz 64QAM HCH 2560MHz RB 1_0 NTN



Band7 20MHz 64QAM HCH 2560MHz RB 1_0 NTN



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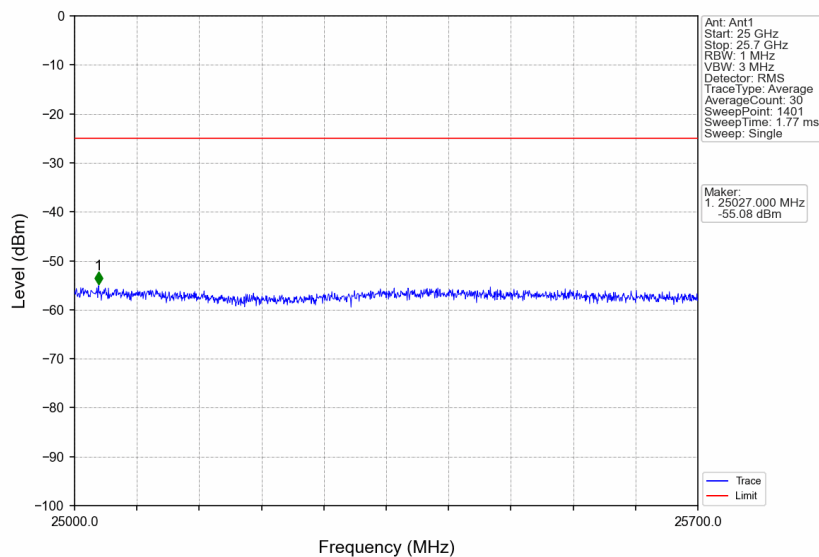
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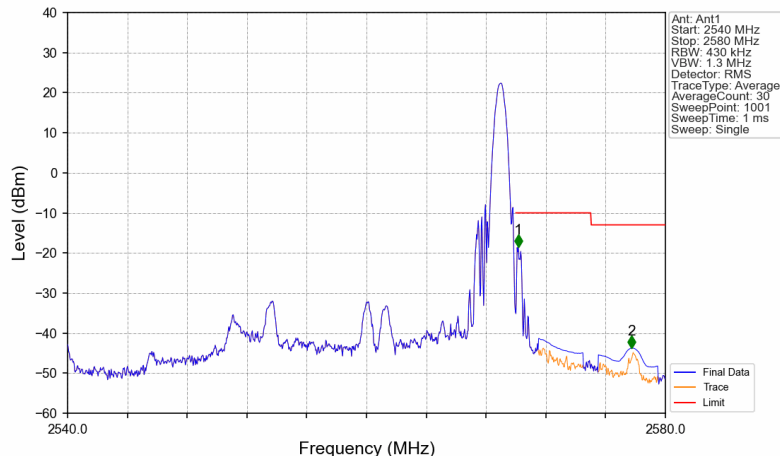
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Band7 20MHz 64QAM HCH 2560MHz RB 1_0 NTNV



Band7 20MHz 64QAM HCH 2560MHz RB 1_99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.160	-18.55	-10	Pass
2571	2580	1	CHP	2	2577.720	-43.75	-13	Pass



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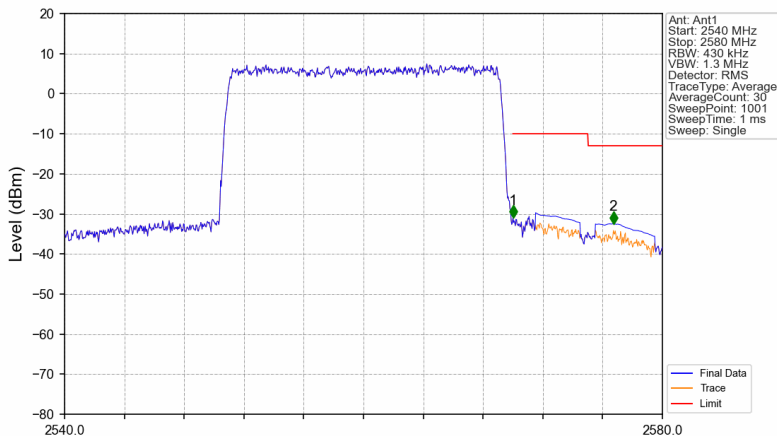
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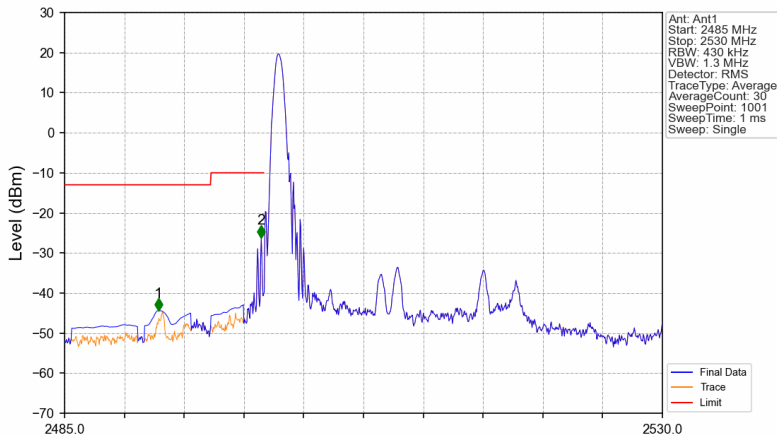
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Band7 20MHz 64QAM HCH 2560MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.000	-31.02	-10	Pass
2571	2580	1	CHP	2	2576.720	-32.47	-13	Pass

Band7 20MHz 256QAM LCH 2510MHz RB 1 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2492.065	-44.42	-13	Pass
2499	2500	0.43	/	2	2499.805	-26.20	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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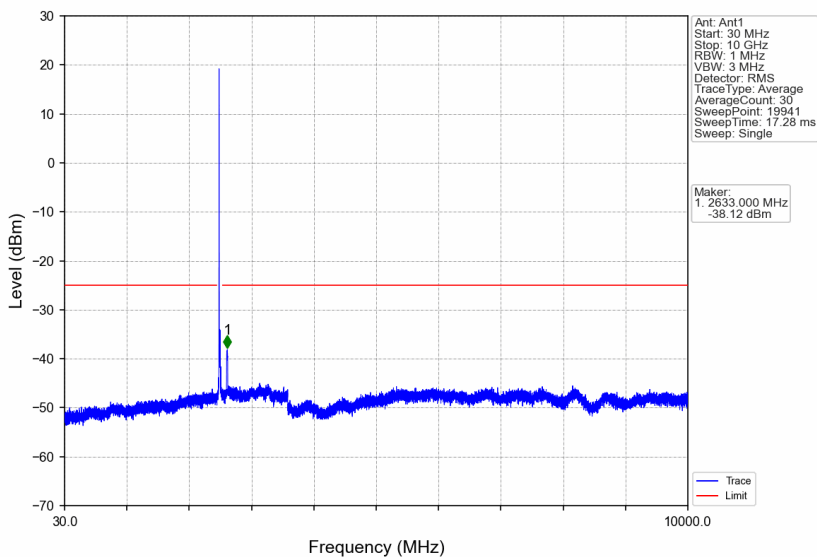
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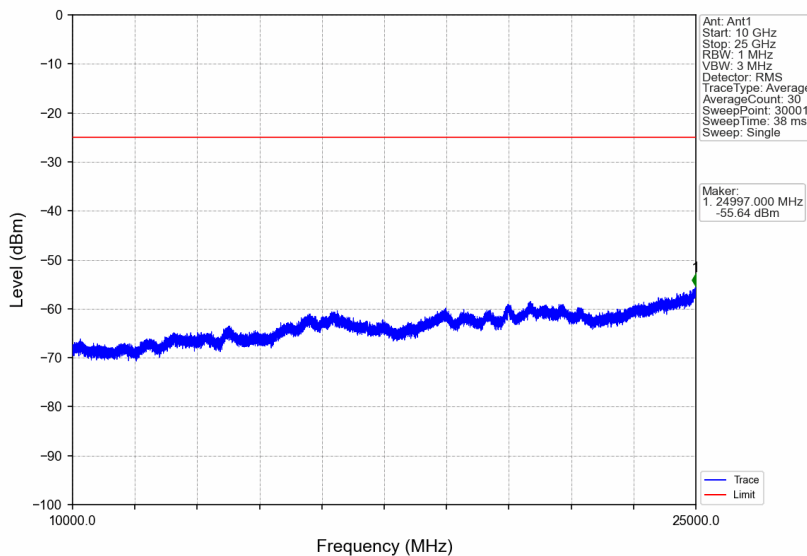
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Band7_20MHz_256QAM_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_256QAM_LCH_2510MHz_RB_1_0_NTNV



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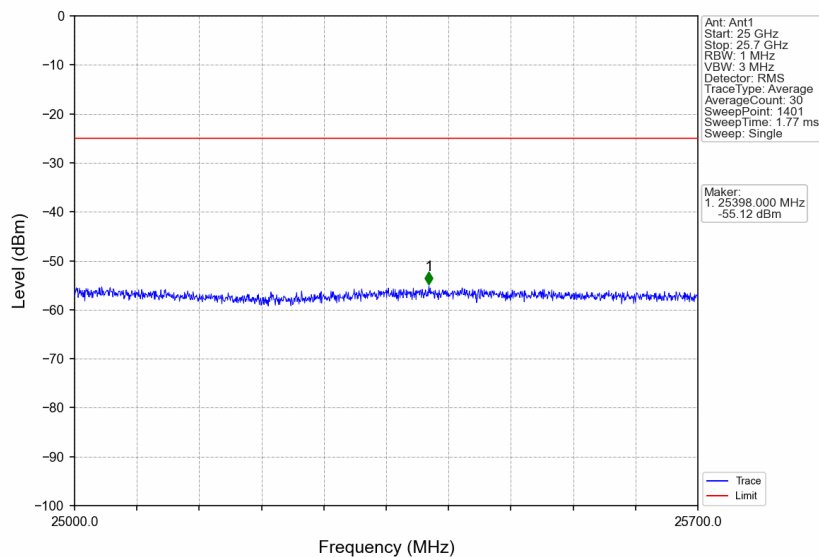


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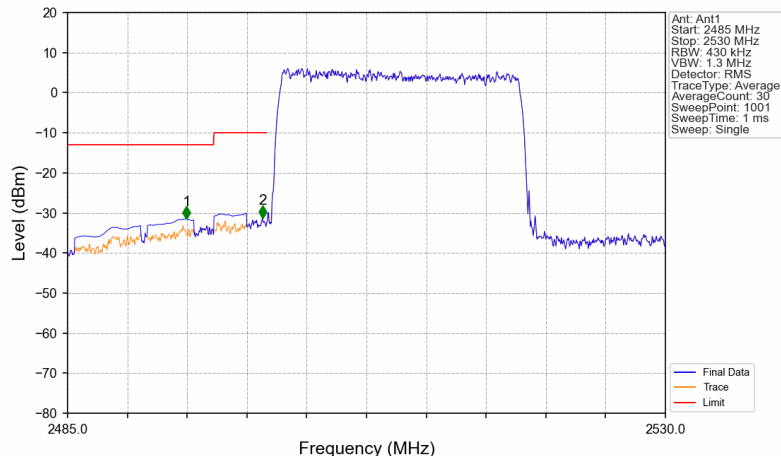
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Band7_20MHz_256QAM_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_256QAM_LCH_2510MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2493.955	-31.47	-13	Pass
2499	2500	0.43	/	2	2499.670	-31.26	-10	Pass
2500	2530	0.43	/	/	/	/	/	/



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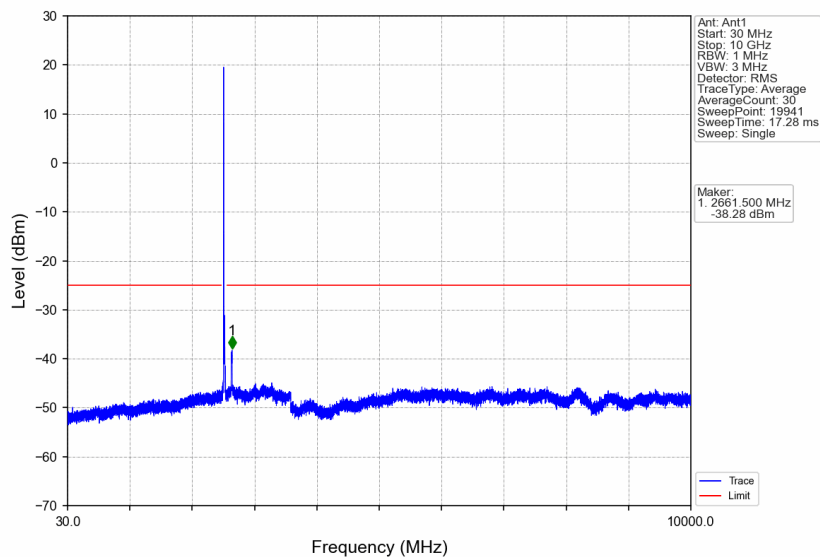
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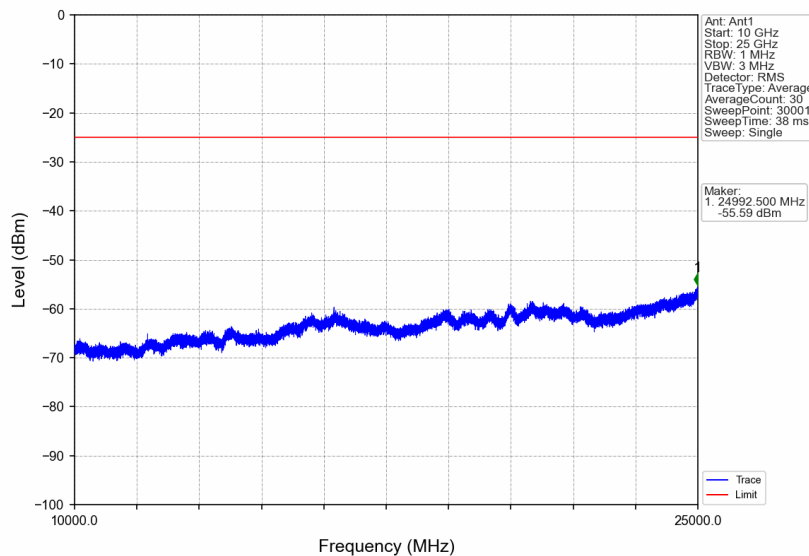
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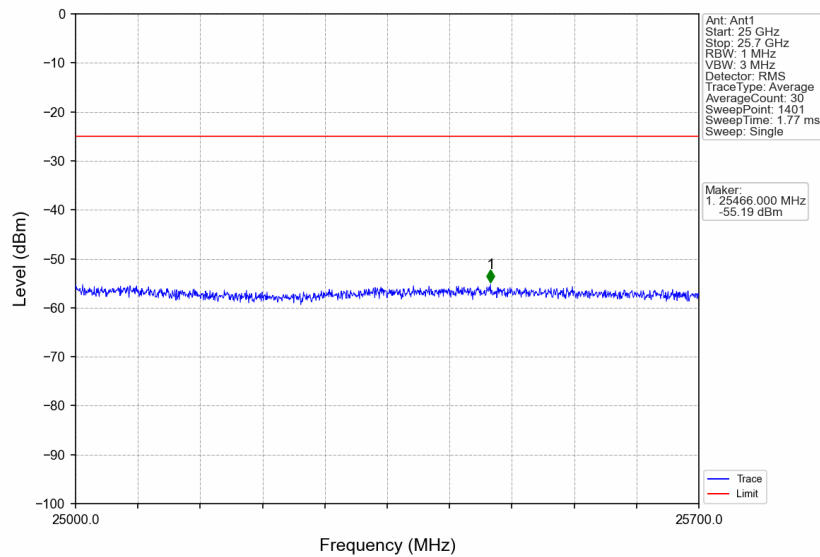


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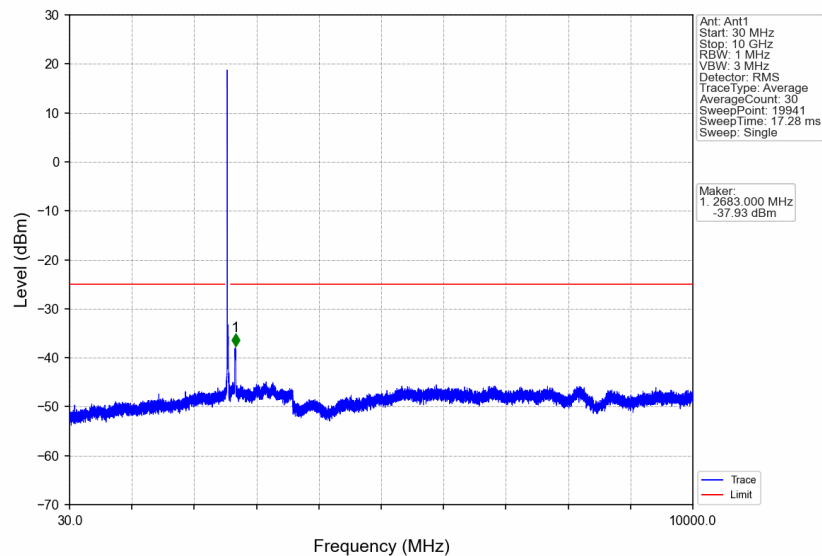
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Band7_20MHz_256QAM_HCH_2560MHz_RB_1_0_NTNV



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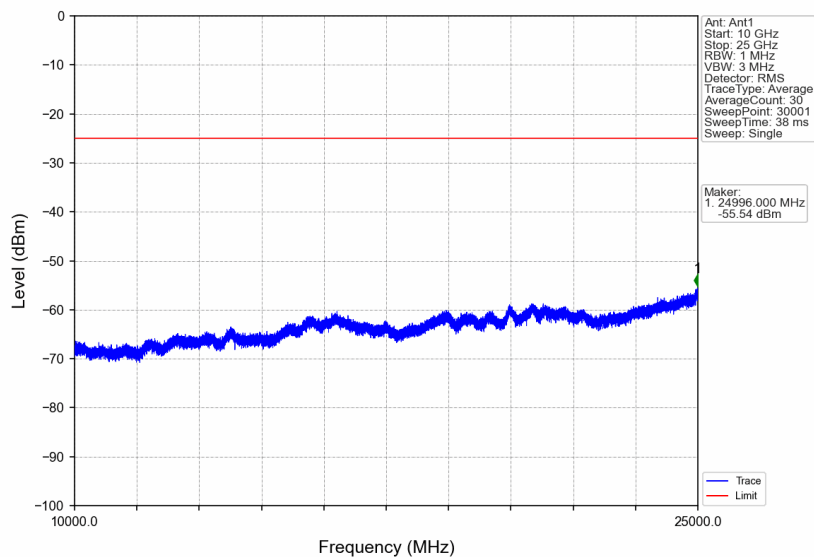


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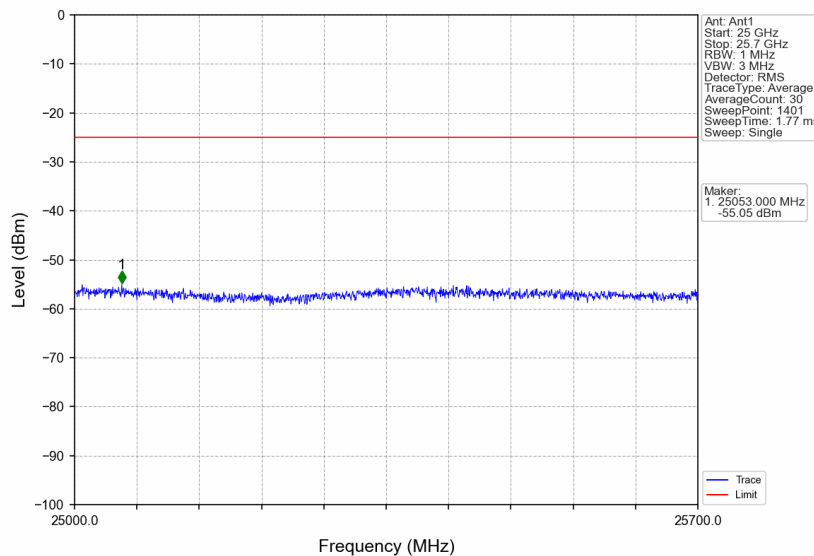
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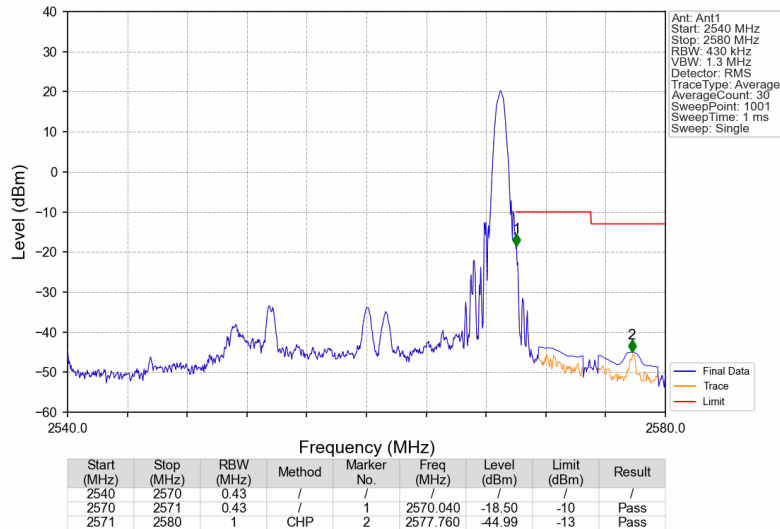
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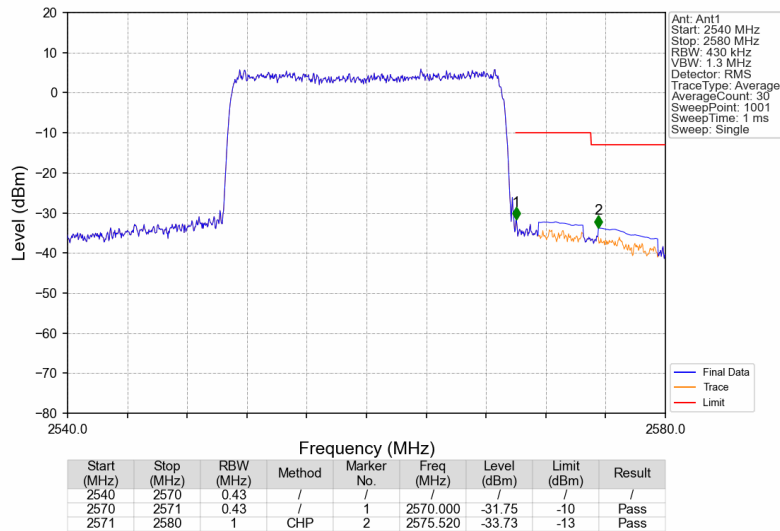
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6. Field Strength of Spurious Radiation

Test Band = LTE Band 7_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	44.38	-48.01	31.51	-67.38	-25.00	42.38	Horizontal
2	7503.27	43.64	-46.11	36.80	-60.94	-25.00	35.94	Horizontal
3	10004.36	41.07	-41.71	38.50	-57.39	-25.00	32.39	Horizontal
4	12505.45	39.76	-39.84	38.90	-56.44	-25.00	31.44	Horizontal
5	15006.54	37.86	-38.03	40.09	-55.35	-25.00	30.35	Horizontal
6	17507.63	35.59	-36.82	42.15	-54.34	-25.00	29.34	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	44.16	-48.01	31.51	-67.60	-25.00	42.60	Vertical
2	7503.27	43.34	-46.11	36.80	-61.24	-25.00	36.24	Vertical
3	10004.36	40.84	-41.71	38.50	-57.62	-25.00	32.62	Vertical
4	12505.45	39.01	-39.84	38.90	-57.19	-25.00	32.19	Vertical
5	15006.54	37.07	-38.03	40.09	-56.14	-25.00	31.14	Vertical
6	17507.63	36.34	-36.82	42.15	-53.59	-25.00	28.59	Vertical



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Test Band = LTE Band 7_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	45.26	-47.91	31.63	-66.28	-25.00	41.28	Horizontal
2	7578.27	43.98	-44.91	36.71	-59.49	-25.00	34.49	Horizontal
3	10104.36	41.09	-41.88	38.59	-57.46	-25.00	32.46	Horizontal
4	12630.45	38.47	-39.08	38.82	-57.04	-25.00	32.04	Horizontal
5	15156.54	36.02	-37.42	39.80	-56.86	-25.00	31.86	Horizontal
6	17682.63	36.65	-37.64	43.27	-52.98	-25.00	27.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	45.26	-47.91	31.63	-66.28	-25.00	41.28	Vertical
2	7578.27	43.87	-44.91	36.71	-59.60	-25.00	34.60	Vertical
3	10104.36	40.62	-41.88	38.59	-57.93	-25.00	32.93	Vertical
4	12630.45	38.86	-39.08	38.82	-56.65	-25.00	31.65	Vertical
5	15156.54	36.08	-37.42	39.80	-56.80	-25.00	31.80	Vertical
6	17682.63	36.08	-37.64	43.27	-53.55	-25.00	28.55	Vertical



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Test Band = LTE Band 7_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	45.30	-47.82	31.75	-66.04	-25.00	41.04	Horizontal
2	7653.27	42.95	-44.91	36.62	-60.61	-25.00	35.61	Horizontal
3	10204.36	39.83	-42.10	38.68	-58.84	-25.00	33.84	Horizontal
4	12755.45	39.52	-39.29	38.75	-56.28	-25.00	31.28	Horizontal
5	15306.54	35.64	-37.87	39.52	-57.97	-25.00	32.97	Horizontal
6	17857.63	35.34	-36.85	44.39	-52.38	-25.00	27.38	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	46.08	-47.82	31.75	-65.26	-25.00	40.26	Vertical
2	7653.27	43.78	-44.91	36.62	-59.78	-25.00	34.78	Vertical
3	10204.36	39.59	-42.10	38.68	-59.08	-25.00	34.08	Vertical
4	12755.45	39.84	-39.29	38.75	-55.96	-25.00	30.96	Vertical
5	15306.54	36.22	-37.87	39.52	-57.39	-25.00	32.39	Vertical
6	17857.63	35.08	-36.85	44.39	-52.64	-25.00	27.64	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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