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# Appendix B.20

## LTE Band 41(2555-2655)



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## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 B41\_5MHz\_EIRPant0

#### 1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2557.5	1	0	22.66	2.44	25.10	<=33.00	Pass
			13	22.71	2.44	25.15	<=33.00	Pass
			24	22.50	2.44	24.94	<=33.00	Pass
		12	0	21.67	2.44	24.11	<=33.00	Pass
			6	21.79	2.44	24.23	<=33.00	Pass
			13	21.63	2.44	24.07	<=33.00	Pass
		25	0	21.69	2.44	24.13	<=33.00	Pass
	2605	1	0	22.57	2.44	25.01	<=33.00	Pass
			13	22.83	2.44	25.27	<=33.00	Pass
			24	22.66	2.44	25.10	<=33.00	Pass
		12	0	21.69	2.44	24.13	<=33.00	Pass
			6	21.76	2.44	24.20	<=33.00	Pass
			13	21.76	2.44	24.20	<=33.00	Pass
		25	0	21.72	2.44	24.16	<=33.00	Pass
	2652.5	1	0	22.72	2.44	25.16	<=33.00	Pass
			13	23.03	2.44	25.47	<=33.00	Pass
			24	22.71	2.44	25.15	<=33.00	Pass
		12	0	21.83	2.44	24.27	<=33.00	Pass
			6	21.88	2.44	24.32	<=33.00	Pass
			13	21.82	2.44	24.26	<=33.00	Pass
		25	0	21.83	2.44	24.27	<=33.00	Pass
16QAM	2557.5	1	0	21.60	2.44	24.04	<=33.00	Pass
			13	21.77	2.44	24.21	<=33.00	Pass
			24	21.50	2.44	23.94	<=33.00	Pass
		12	0	20.77	2.44	23.21	<=33.00	Pass
			6	20.79	2.44	23.23	<=33.00	Pass
			13	20.61	2.44	23.05	<=33.00	Pass
		25	0	20.73	2.44	23.17	<=33.00	Pass
	2605	1	0	21.72	2.44	24.16	<=33.00	Pass
			13	21.57	2.44	24.01	<=33.00	Pass
			24	21.71	2.44	24.15	<=33.00	Pass
		12	0	20.70	2.44	23.14	<=33.00	Pass
			6	20.77	2.44	23.21	<=33.00	Pass
			13	20.69	2.44	23.13	<=33.00	Pass
		25	0	20.76	2.44	23.20	<=33.00	Pass
	2652.5	1	0	22.00	2.44	24.44	<=33.00	Pass
			13	22.00	2.44	24.44	<=33.00	Pass
			24	21.98	2.44	24.42	<=33.00	Pass
		12	0	20.91	2.44	23.35	<=33.00	Pass



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		6	20.96	2.44	23.40	<=33.00	Pass
		13	20.91	2.44	23.35	<=33.00	Pass
		25	20.94	2.44	23.38	<=33.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B41\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2560	1	0	22.75	2.44	25.19	<=33.00	Pass
			25	22.90	2.44	25.34	<=33.00	Pass
			49	22.59	2.44	25.03	<=33.00	Pass
		25	0	21.85	2.44	24.29	<=33.00	Pass
			13	21.71	2.44	24.15	<=33.00	Pass
			25	21.70	2.44	24.14	<=33.00	Pass
		50	0	21.74	2.44	24.18	<=33.00	Pass
	2605	1	0	22.89	2.44	25.33	<=33.00	Pass
			25	22.93	2.44	25.37	<=33.00	Pass
			49	22.74	2.44	25.18	<=33.00	Pass
		25	0	21.85	2.44	24.29	<=33.00	Pass
			13	21.85	2.44	24.29	<=33.00	Pass
			25	21.75	2.44	24.19	<=33.00	Pass
		50	0	21.81	2.44	24.25	<=33.00	Pass
	2650	1	0	22.91	2.44	25.35	<=33.00	Pass
			25	23.00	2.44	25.44	<=33.00	Pass
			49	22.80	2.44	25.24	<=33.00	Pass
		25	0	21.86	2.44	24.30	<=33.00	Pass
			13	21.90	2.44	24.34	<=33.00	Pass
			25	21.83	2.44	24.27	<=33.00	Pass
		50	0	21.81	2.44	24.25	<=33.00	Pass
16QAM	2560	1	0	21.52	2.44	23.96	<=33.00	Pass
			25	21.88	2.44	24.32	<=33.00	Pass
			49	21.45	2.44	23.89	<=33.00	Pass
		25	0	20.87	2.44	23.31	<=33.00	Pass
			13	20.85	2.44	23.29	<=33.00	Pass
			25	20.80	2.44	23.24	<=33.00	Pass
		50	0	20.81	2.44	23.25	<=33.00	Pass
	2605	1	0	21.65	2.44	24.09	<=33.00	Pass
			25	21.85	2.44	24.29	<=33.00	Pass
			49	21.64	2.44	24.08	<=33.00	Pass
		25	0	20.83	2.44	23.27	<=33.00	Pass
			13	20.87	2.44	23.31	<=33.00	Pass
			25	20.82	2.44	23.26	<=33.00	Pass
		50	0	20.87	2.44	23.31	<=33.00	Pass



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	2650	1	0	22.14	2.44	24.58	<=33.00	Pass
			25	21.92	2.44	24.36	<=33.00	Pass
			49	21.73	2.44	24.17	<=33.00	Pass
		25	0	21.00	2.44	23.44	<=33.00	Pass
			13	20.95	2.44	23.39	<=33.00	Pass
			25	20.96	2.44	23.40	<=33.00	Pass
		50	0	20.94	2.44	23.38	<=33.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 1.3 B41\_15MHz\_EIRP

### 1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2562.5	1	0	22.68	2.44	25.12	<=33.00	Pass
			38	22.71	2.44	25.15	<=33.00	Pass
			74	22.56	2.44	25.00	<=33.00	Pass
		36	0	21.72	2.44	24.16	<=33.00	Pass
			18	21.63	2.44	24.07	<=33.00	Pass
			39	21.66	2.44	24.10	<=33.00	Pass
		75	0	21.69	2.44	24.13	<=33.00	Pass
	2605	1	0	22.71	2.44	25.15	<=33.00	Pass
			38	22.88	2.44	25.32	<=33.00	Pass
			74	22.72	2.44	25.16	<=33.00	Pass
		36	0	21.85	2.44	24.29	<=33.00	Pass
			18	21.76	2.44	24.20	<=33.00	Pass
			39	21.81	2.44	24.25	<=33.00	Pass
		75	0	21.75	2.44	24.19	<=33.00	Pass
	2647.5	1	0	22.88	2.44	25.32	<=33.00	Pass
			38	22.92	2.44	25.36	<=33.00	Pass
			74	22.71	2.44	25.15	<=33.00	Pass
		36	0	21.93	2.44	24.37	<=33.00	Pass
			18	21.93	2.44	24.37	<=33.00	Pass
			39	21.86	2.44	24.30	<=33.00	Pass
		75	0	21.91	2.44	24.35	<=33.00	Pass
16QAM	2562.5	1	0	21.46	2.44	23.90	<=33.00	Pass
			38	21.74	2.44	24.18	<=33.00	Pass
			74	21.66	2.44	24.10	<=33.00	Pass
		36	0	20.77	2.44	23.21	<=33.00	Pass
			18	20.74	2.44	23.18	<=33.00	Pass
			39	20.67	2.44	23.11	<=33.00	Pass
		75	0	20.77	2.44	23.21	<=33.00	Pass
	2605	1	0	21.58	2.44	24.02	<=33.00	Pass
			38	21.68	2.44	24.12	<=33.00	Pass
			74	21.60	2.44	24.04	<=33.00	Pass



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		36	0	20.80	2.44	23.24	<=33.00	Pass
			18	20.80	2.44	23.24	<=33.00	Pass
			39	20.85	2.44	23.29	<=33.00	Pass
		75	0	20.81	2.44	23.25	<=33.00	Pass
	2647.5	1	0	22.21	2.44	24.65	<=33.00	Pass
			38	22.03	2.44	24.47	<=33.00	Pass
			74	22.14	2.44	24.58	<=33.00	Pass
		36	0	20.97	2.44	23.41	<=33.00	Pass
			18	20.90	2.44	23.34	<=33.00	Pass
			39	20.86	2.44	23.30	<=33.00	Pass
		75	0	20.93	2.44	23.37	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B41\_20MHz\_EIRP

### 1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2565	1	0	22.61	2.44	25.05	<=33.00	Pass	
			50	22.74	2.44	25.18	<=33.00	Pass	
			99	22.47	2.44	24.91	<=33.00	Pass	
		50	0	21.70	2.44	24.14	<=33.00	Pass	
			25	21.68	2.44	24.12	<=33.00	Pass	
			50	21.57	2.44	24.01	<=33.00	Pass	
		100	0	21.67	2.44	24.11	<=33.00	Pass	
		2605	1	0	22.71	2.44	25.15	<=33.00	Pass
				50	22.87	2.44	25.31	<=33.00	Pass
	99			22.56	2.44	25.00	<=33.00	Pass	
	50		0	21.76	2.44	24.20	<=33.00	Pass	
			25	21.77	2.44	24.21	<=33.00	Pass	
			50	21.74	2.44	24.18	<=33.00	Pass	
	100	0	21.77	2.44	24.21	<=33.00	Pass		
	2645	1	0	22.73	2.44	25.17	<=33.00	Pass	
			50	22.98	2.44	25.42	<=33.00	Pass	
			99	22.59	2.44	25.03	<=33.00	Pass	
		50	0	21.83	2.44	24.27	<=33.00	Pass	
			25	21.82	2.44	24.26	<=33.00	Pass	
			50	21.82	2.44	24.26	<=33.00	Pass	
		100	0	21.80	2.44	24.24	<=33.00	Pass	
16QAM		2565	1	0	21.66	2.44	24.10	<=33.00	Pass
				50	21.83	2.44	24.27	<=33.00	Pass
	99			21.46	2.44	23.90	<=33.00	Pass	
	50		0	20.79	2.44	23.23	<=33.00	Pass	
			25	20.75	2.44	23.19	<=33.00	Pass	
			50	20.68	2.44	23.12	<=33.00	Pass	



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	2605	100	0	20.73	2.44	23.17	<=33.00	Pass
		1	0	21.52	2.44	23.96	<=33.00	Pass
			50	21.55	2.44	23.99	<=33.00	Pass
			99	21.40	2.44	23.84	<=33.00	Pass
		50	0	20.82	2.44	23.26	<=33.00	Pass
			25	20.84	2.44	23.28	<=33.00	Pass
			50	20.78	2.44	23.22	<=33.00	Pass
		100	0	20.83	2.44	23.27	<=33.00	Pass
	2645	1	0	21.84	2.44	24.28	<=33.00	Pass
			50	22.10	2.44	24.54	<=33.00	Pass
			99	21.76	2.44	24.20	<=33.00	Pass
		50	0	20.90	2.44	23.34	<=33.00	Pass
			25	20.97	2.44	23.41	<=33.00	Pass
			50	20.87	2.44	23.31	<=33.00	Pass
		100	0	20.89	2.44	23.33	<=33.00	Pass
		Note1: EIRP=Conducted Power+Antenna Gain						



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## 2. Frequency Stability

### 2.4 B41\_20MHz

#### 2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2565	100	0	20	8	-10.582	-0.0041	/	Pass
					12	-9.635	-0.0036	/	Pass
					16	-8.653	-0.0023	/	Pass
				-30	12	-13.900	-0.0054	/	Pass
				-20	12	-9.198	-0.0036	/	Pass
				-10	12	-14.647	-0.0057	/	Pass
				0	12	-3.856	-0.0015	/	Pass
				10	12	-8.927	-0.0035	/	Pass
				30	12	-16.166	-0.0063	/	Pass
				40	12	-14.630	-0.0057	/	Pass
	50	12	-19.606	-0.0076	/	Pass			
	2605	100	0	20	8	-1.525	-0.0006	/	Pass
					12	-6.617	-0.0025	/	Pass
					16	-14.370	-0.0055	/	Pass
				-30	12	-25.388	-0.0097	/	Pass
				-20	12	56.590	0.0217	/	Pass
				-10	12	-24.073	-0.0092	/	Pass
				0	12	-29.186	-0.0112	/	Pass
				10	12	-34.403	-0.0132	/	Pass
				30	12	-28.176	-0.0108	/	Pass
				40	12	-27.824	-0.0107	/	Pass
	50	12	-28.150	-0.0108	/	Pass			
	2645	100	0	20	8	-2.361	-0.0009	/	Pass
					12	-21.560	-0.0082	/	Pass
					16	-31.118	-0.0118	/	Pass
				-30	12	-30.701	-0.0116	/	Pass
				-20	12	-23.611	-0.0089	/	Pass
				-10	12	-16.344	-0.0062	/	Pass
				0	12	122.532	0.0463	/	Pass
				10	12	-17.182	-0.0065	/	Pass
30				12	-18.514	-0.0070	/	Pass	
40				12	-19.641	-0.0074	/	Pass	
50	12	-2.917	-0.0011	/	Pass				
16QAM	2565	100	0	20	8	-22.561	-0.0088	/	Pass
					12	-28.533	-0.0111	/	Pass
					16	-24.525	-0.0096	/	Pass
				-30	12	-14.750	-0.0058	/	Pass
				-20	12	-4.436	-0.0017	/	Pass
				-10	12	-15.690	-0.0061	/	Pass



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				0	12	-27.330	-0.0107	/	Pass
				10	12	-19.233	-0.0075	/	Pass
				30	12	-9.933	-0.0039	/	Pass
				40	12	-7.468	-0.0029	/	Pass
				50	12	-25.428	-0.0099	/	Pass
	2605	100	0	20	8	-26.658	-0.0102	/	Pass
					12	-27.983	-0.0107	/	Pass
					16	-19.337	-0.0074	/	Pass
				-30	12	-24.539	-0.0094	/	Pass
				-20	12	-31.632	-0.0121	/	Pass
				-10	12	-35.388	-0.0136	/	Pass
				0	12	-26.743	-0.0103	/	Pass
				10	12	-17.868	-0.0069	/	Pass
				30	12	0.250	0.0001	/	Pass
				40	12	-11.362	-0.0044	/	Pass
				50	12	-24.477	-0.0094	/	Pass
	2645	100	0	20	8	-19.077	-0.0072	/	Pass
					12	-19.967	-0.0075	/	Pass
					16	-38.571	-0.0146	/	Pass
				-30	12	-35.991	-0.0136	/	Pass
				-20	12	-16.668	-0.0063	/	Pass
				-10	12	-11.935	-0.0045	/	Pass
				0	12	-39.036	-0.0148	/	Pass
				10	12	-16.801	-0.0064	/	Pass
				30	12	-18.443	-0.0070	/	Pass
				40	12	-11.582	-0.0044	/	Pass
				50	12	-29.130	-0.0110	/	Pass



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## 3. 99% & 26dB Bandwidth

### 3.1 Band41\_OBW

#### 3.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.544	/	Pass
		2605	25	0	4.553	/	Pass
		2652.5	25	0	4.547	/	Pass
	16QAM	2557.5	25	0	4.573	/	Pass
		2605	25	0	4.537	/	Pass
		2652.5	25	0	4.571	/	Pass
10	QPSK	2560	50	0	9.076	/	Pass
		2605	50	0	9.067	/	Pass
		2650	50	0	9.072	/	Pass
	16QAM	2560	50	0	9.093	/	Pass
		2605	50	0	9.066	/	Pass
		2650	50	0	9.065	/	Pass
15	QPSK	2562.5	75	0	13.616	/	Pass
		2605	75	0	13.562	/	Pass
		2647.5	75	0	13.538	/	Pass
	16QAM	2562.5	75	0	13.599	/	Pass
		2605	75	0	13.622	/	Pass
		2647.5	75	0	13.668	/	Pass
20	QPSK	2565	100	0	18.150	/	Pass
		2605	100	0	18.064	/	Pass
		2645	100	0	18.108	/	Pass
	16QAM	2565	100	0	18.082	/	Pass
		2605	100	0	18.105	/	Pass
		2645	100	0	18.147	/	Pass



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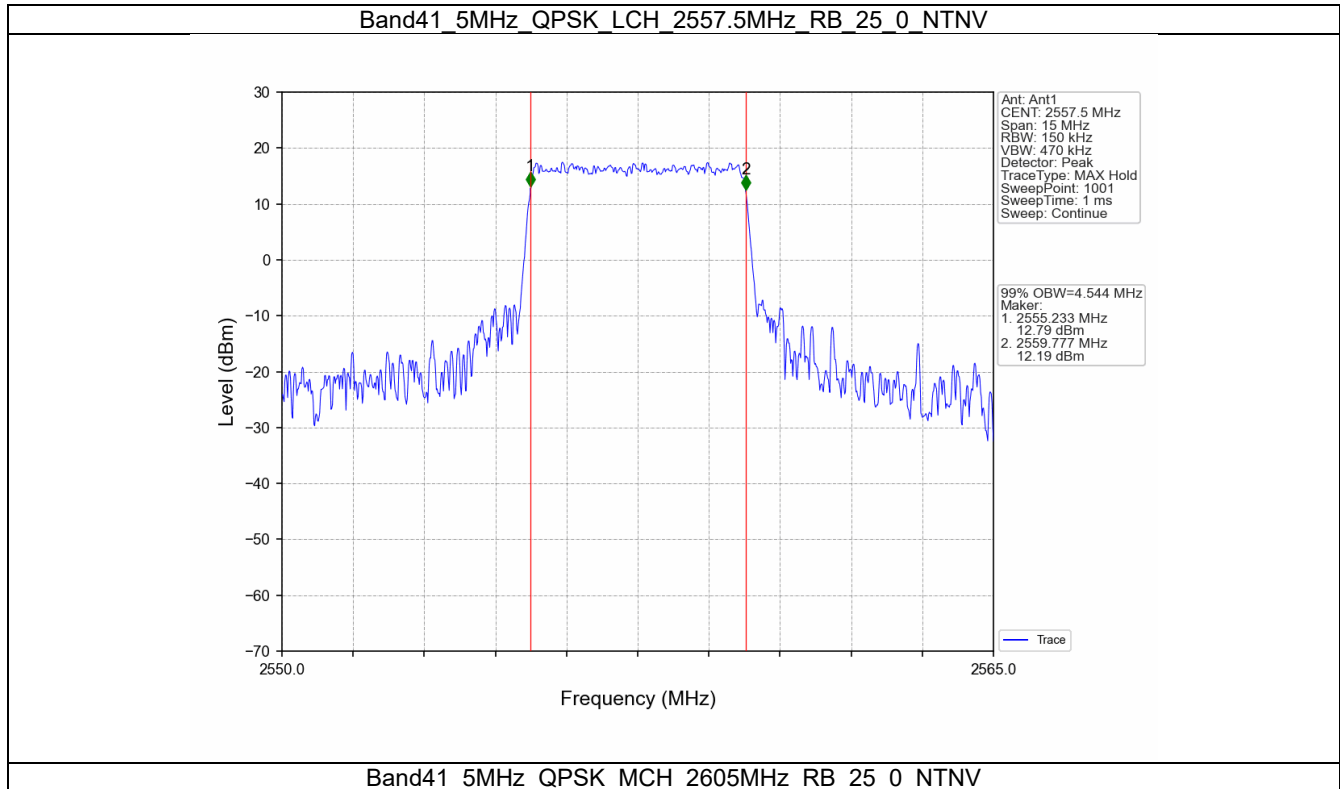
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### 3.1.2 Test Graph



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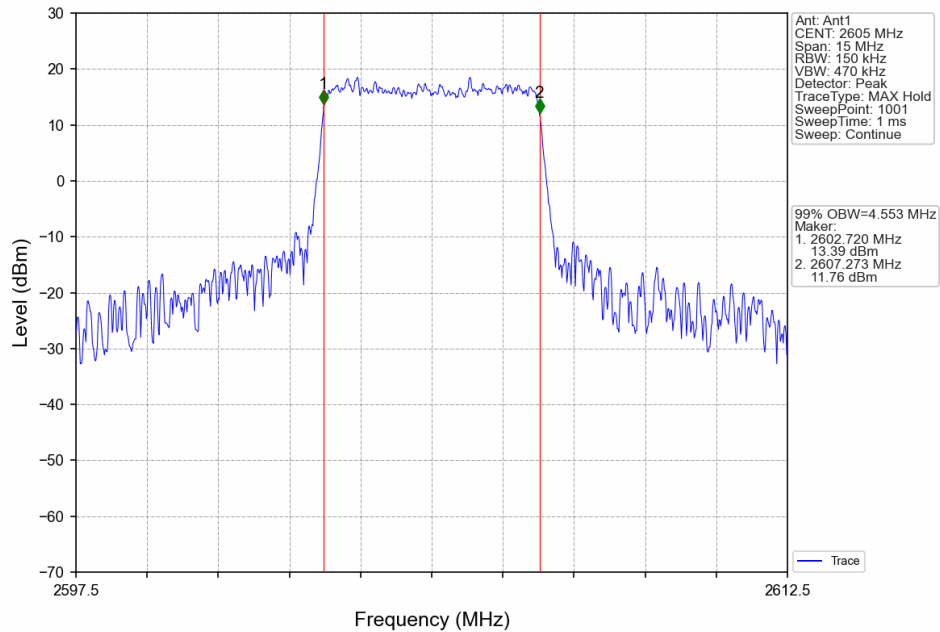
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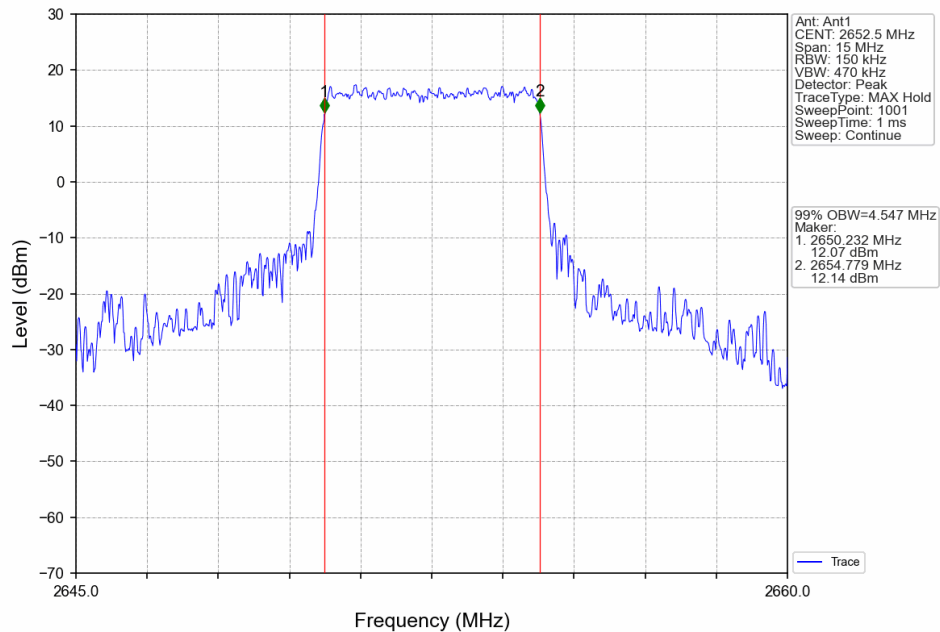
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Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



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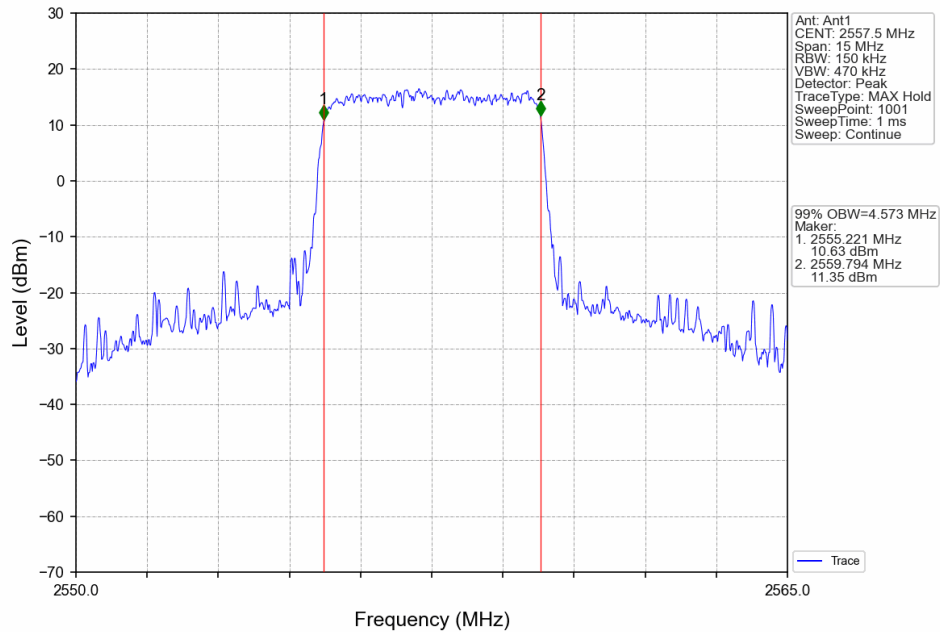
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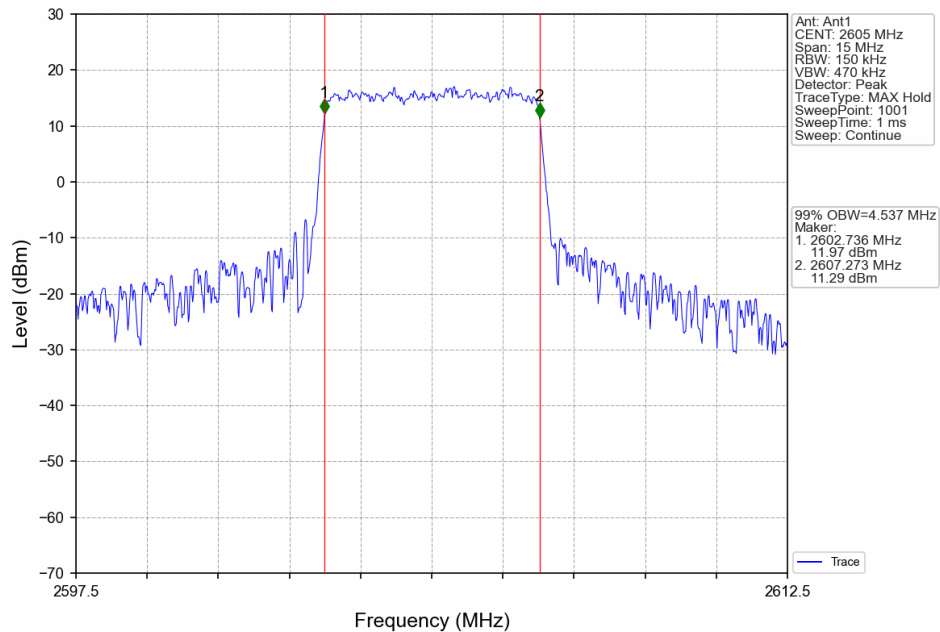


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Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



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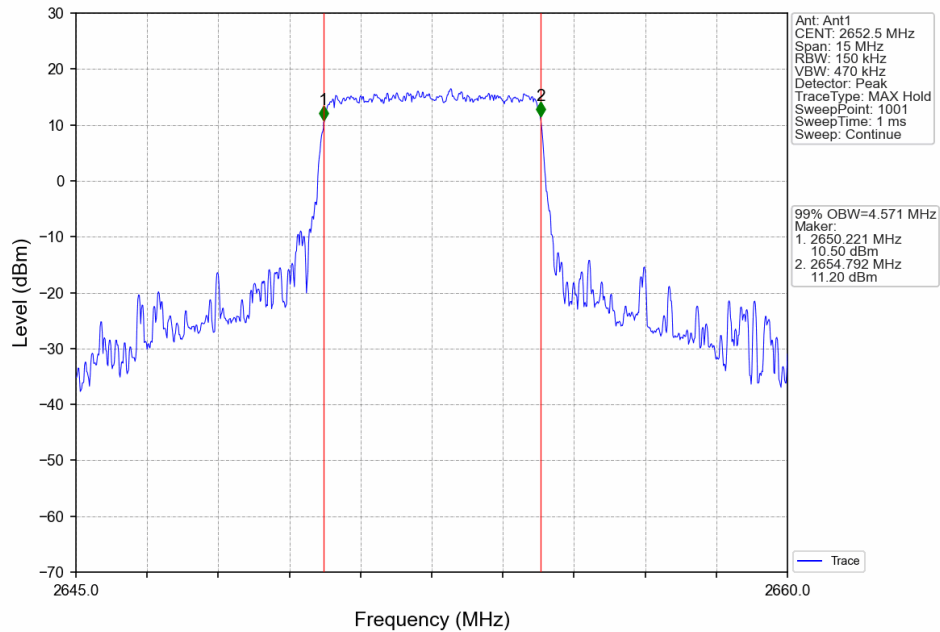
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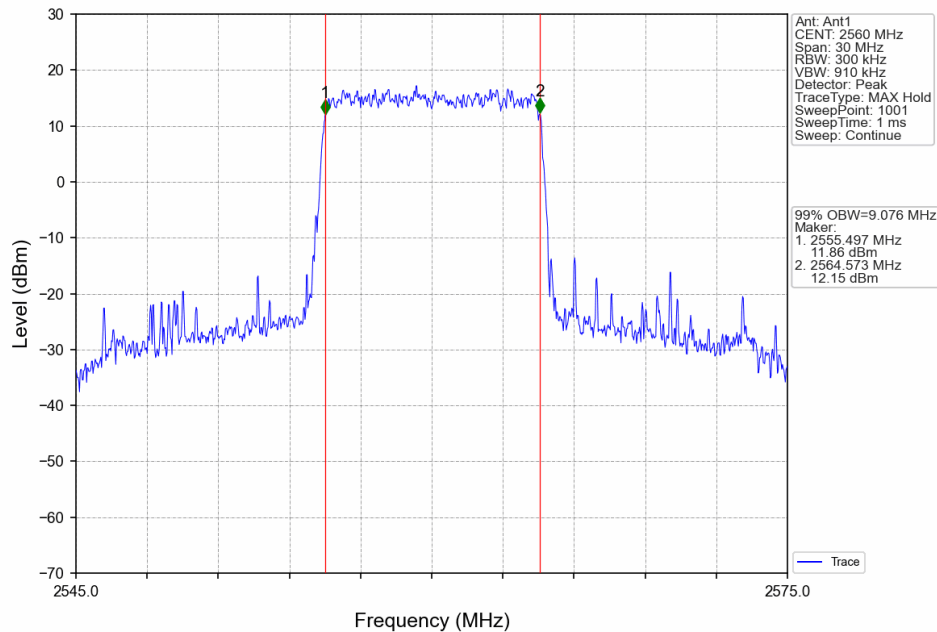
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Band41\_10MHz\_QPSK\_LCH\_2560MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_QPSK\_MCH\_2605MHz\_RB\_50\_0\_NTNV



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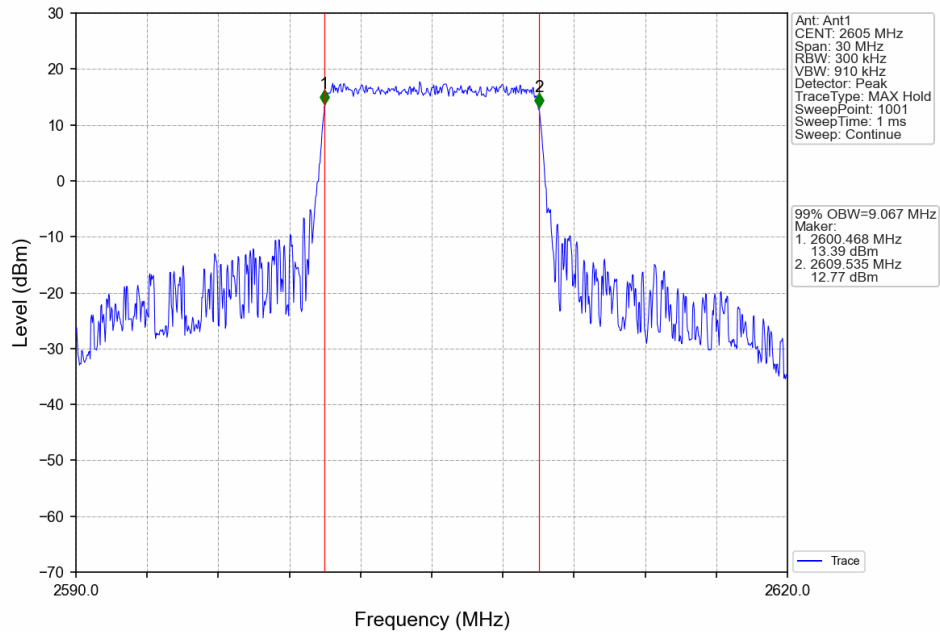
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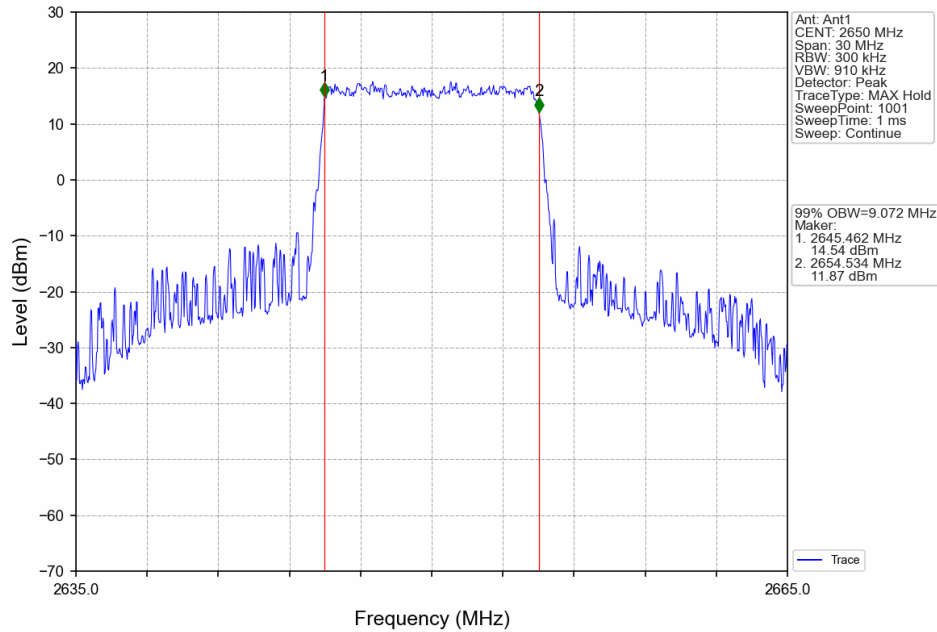
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Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



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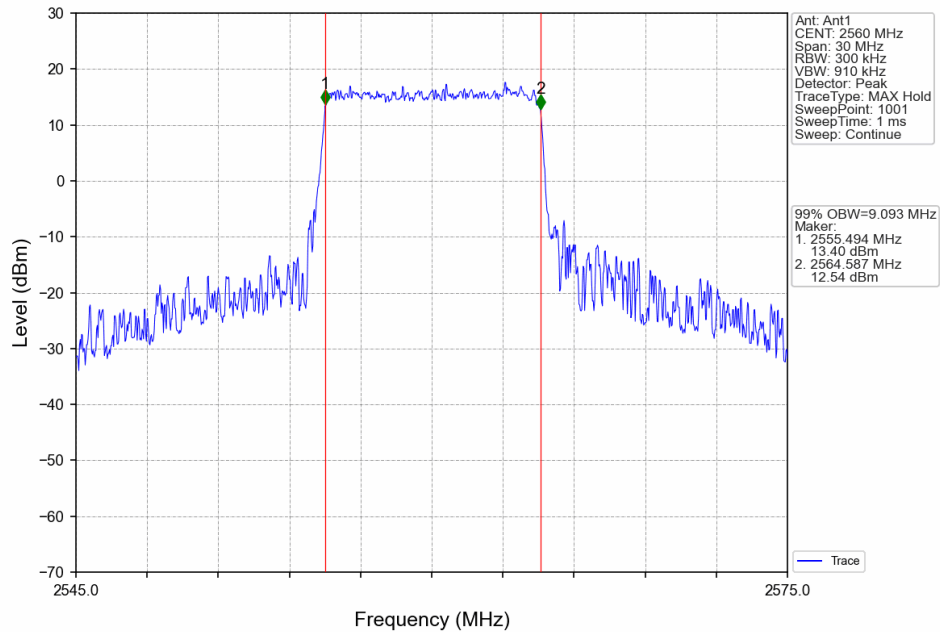
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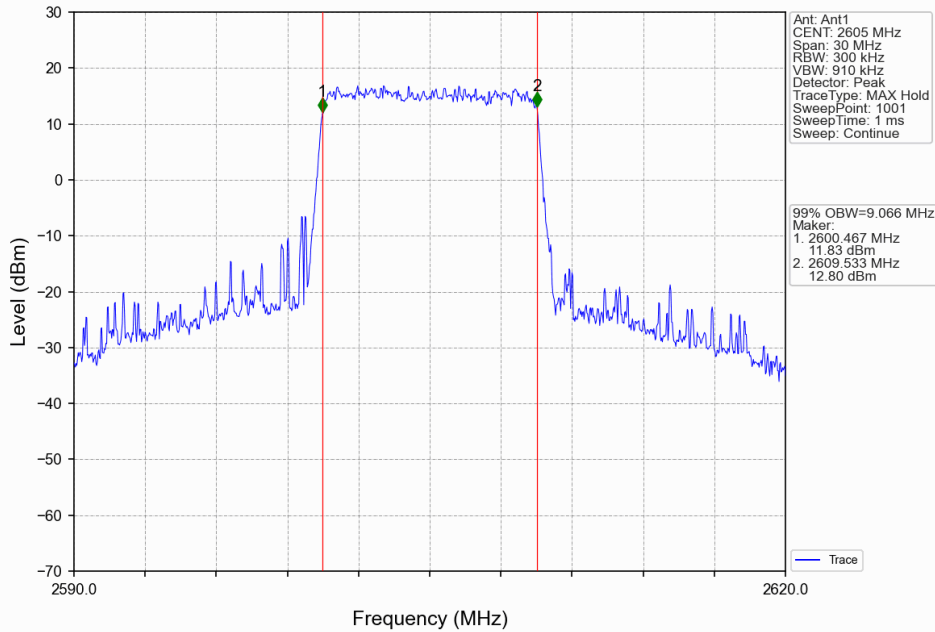
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Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



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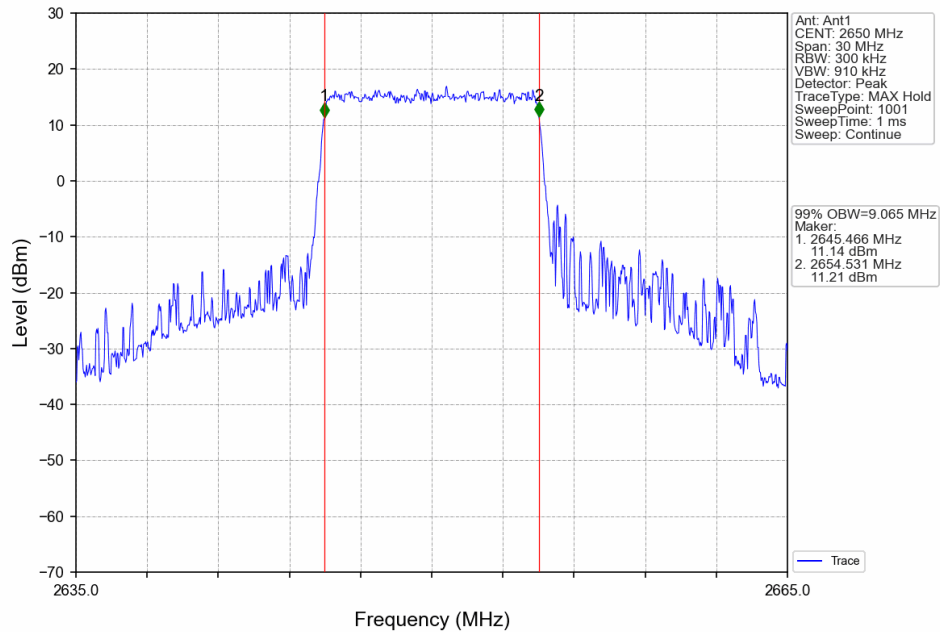
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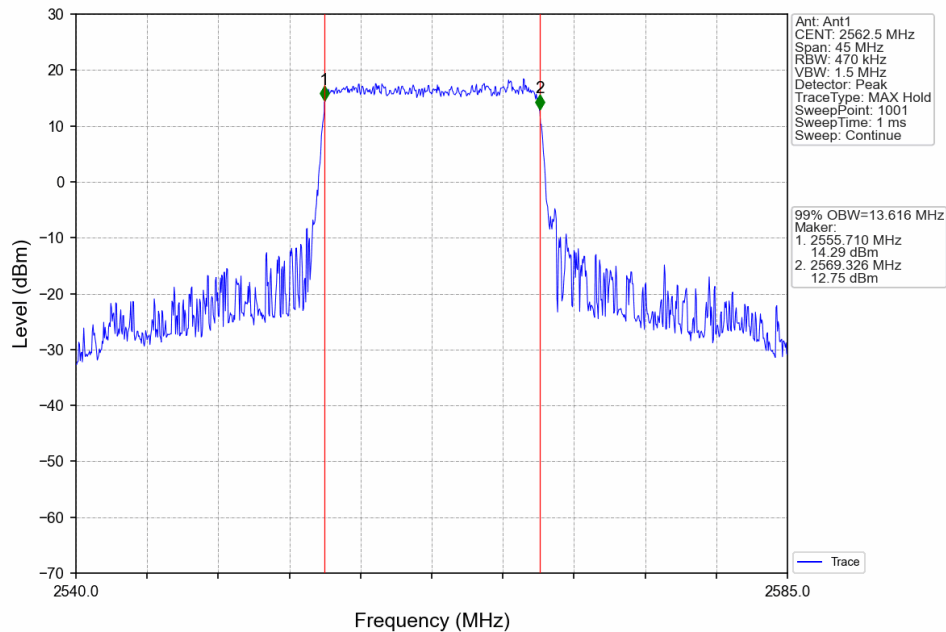
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Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



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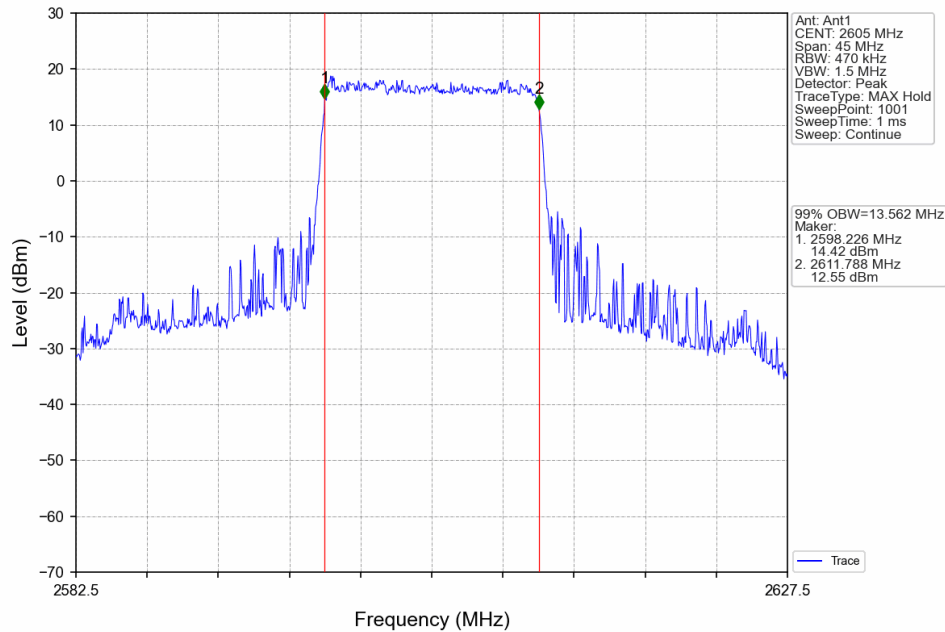
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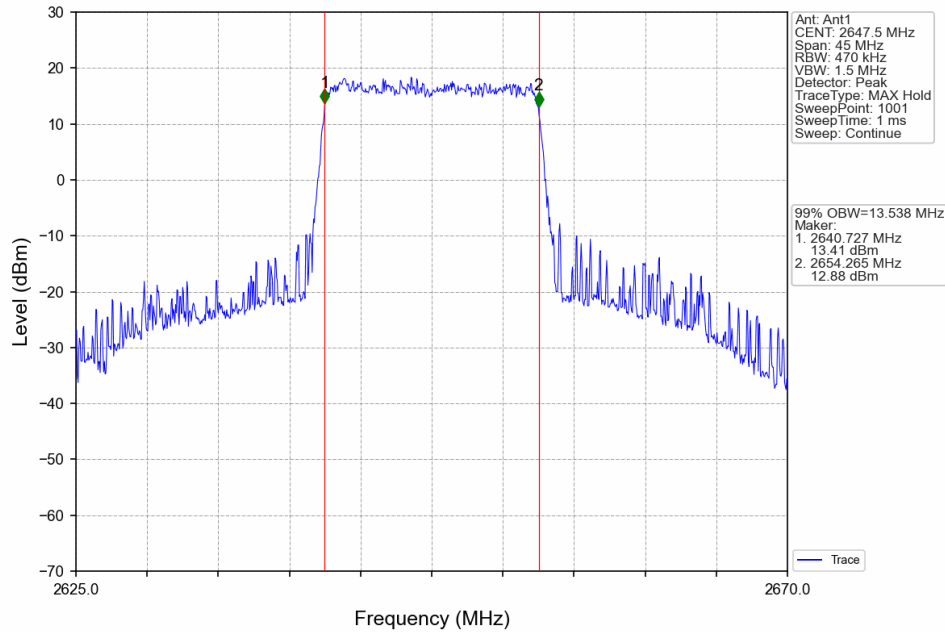


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Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



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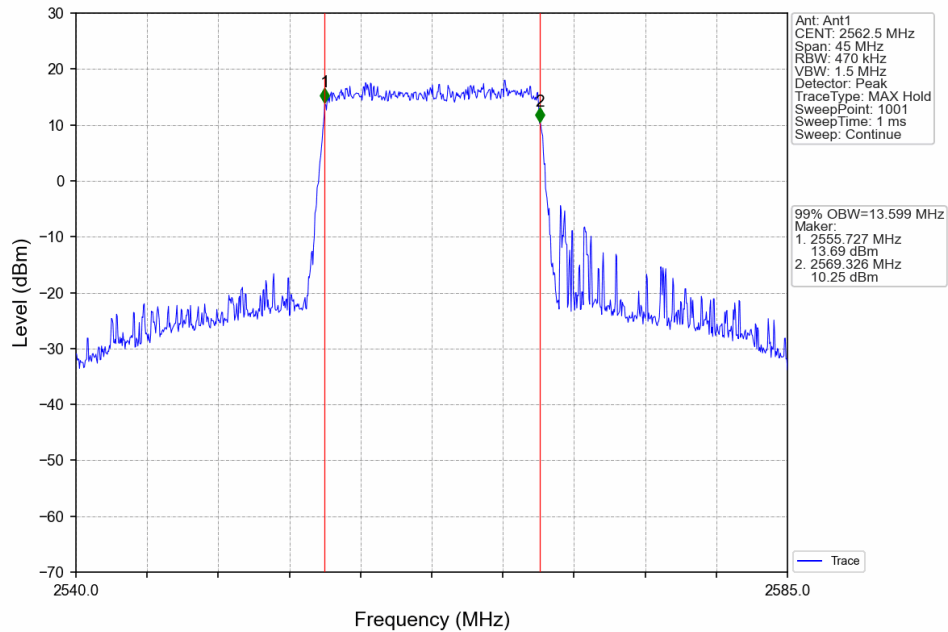
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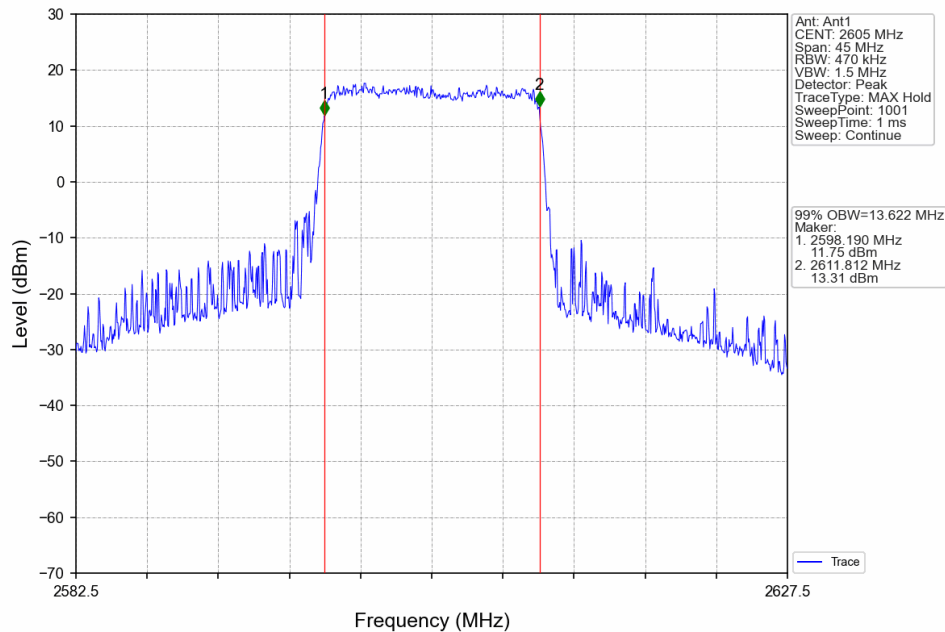
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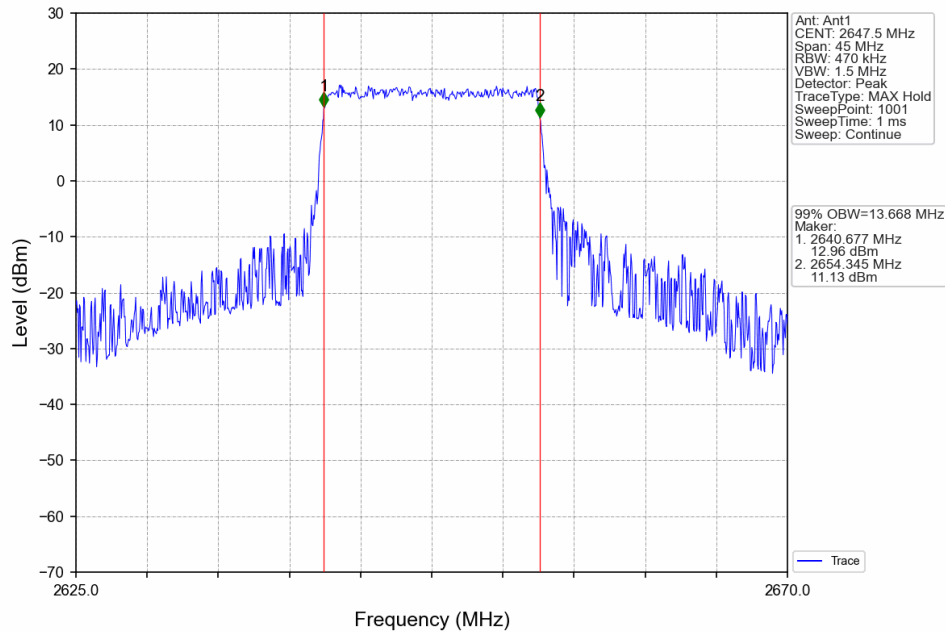
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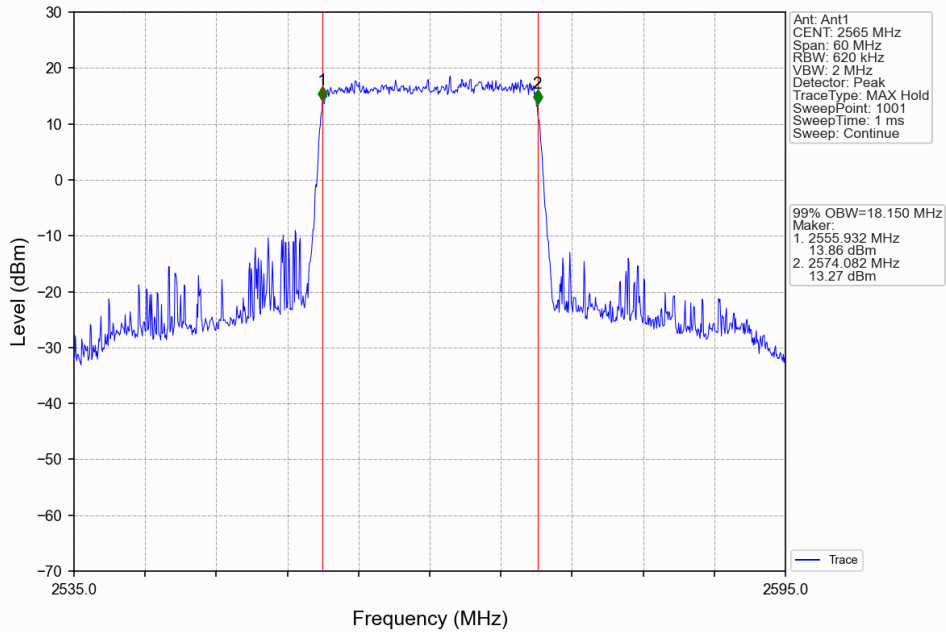
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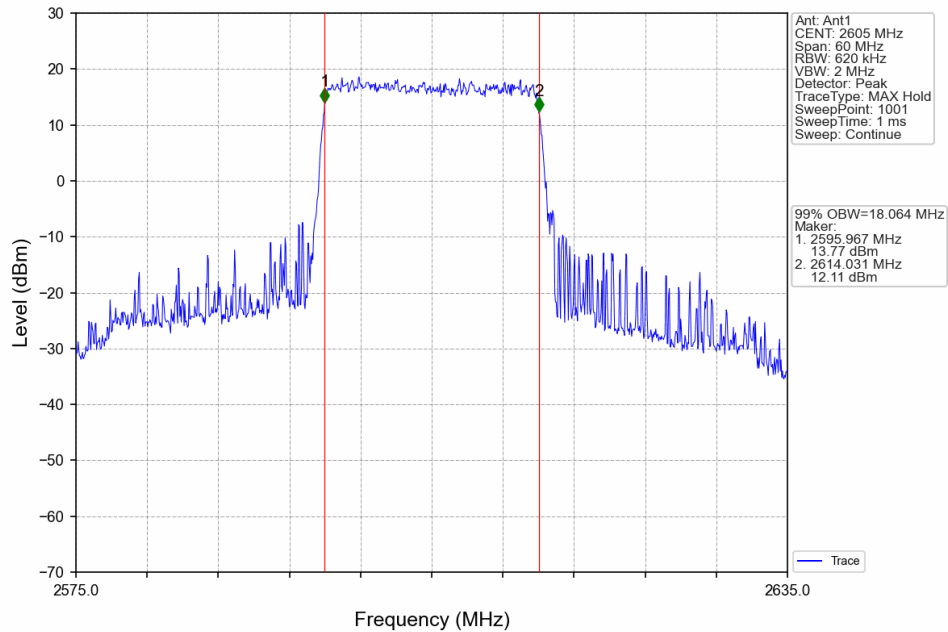
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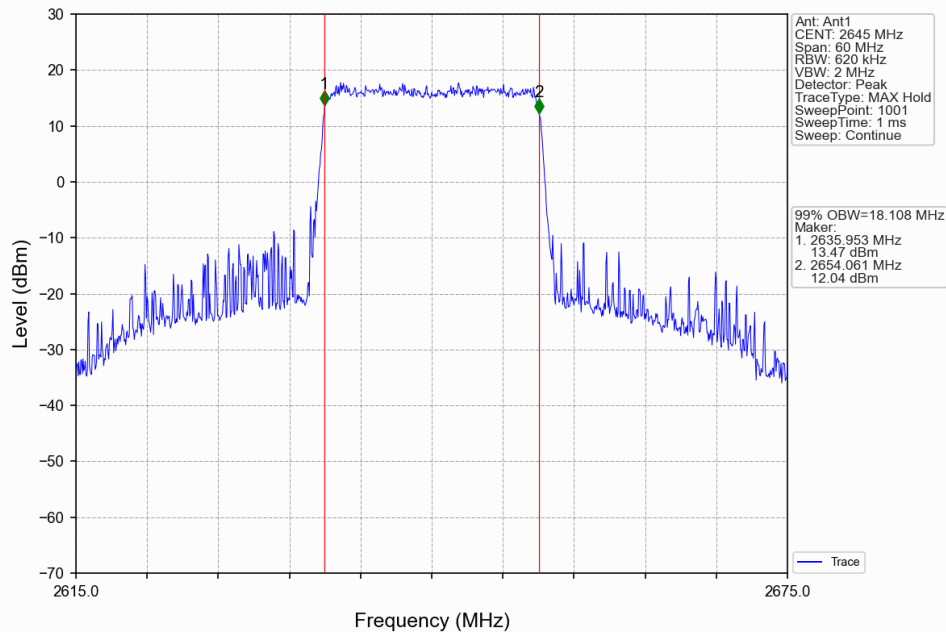
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Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



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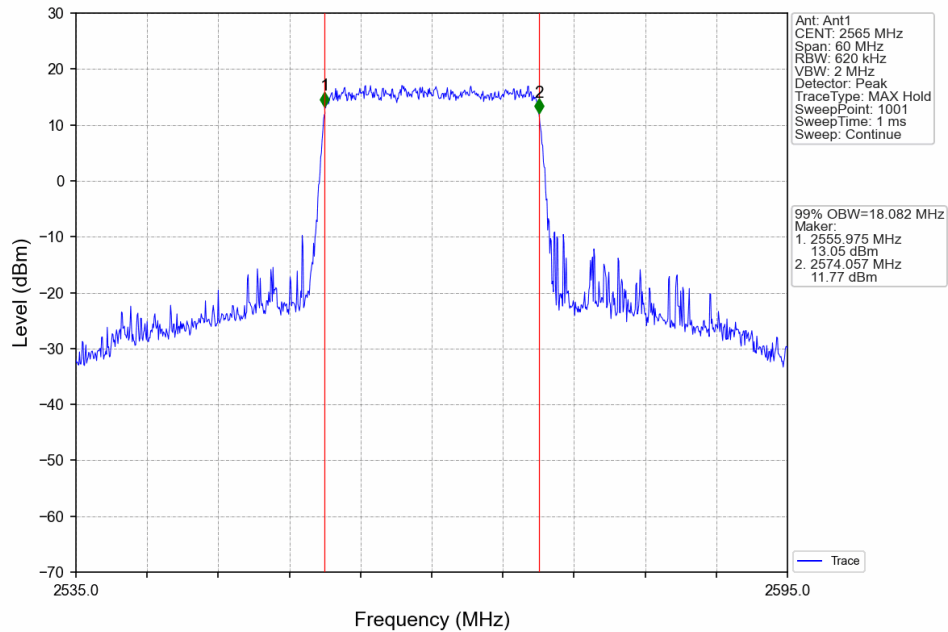
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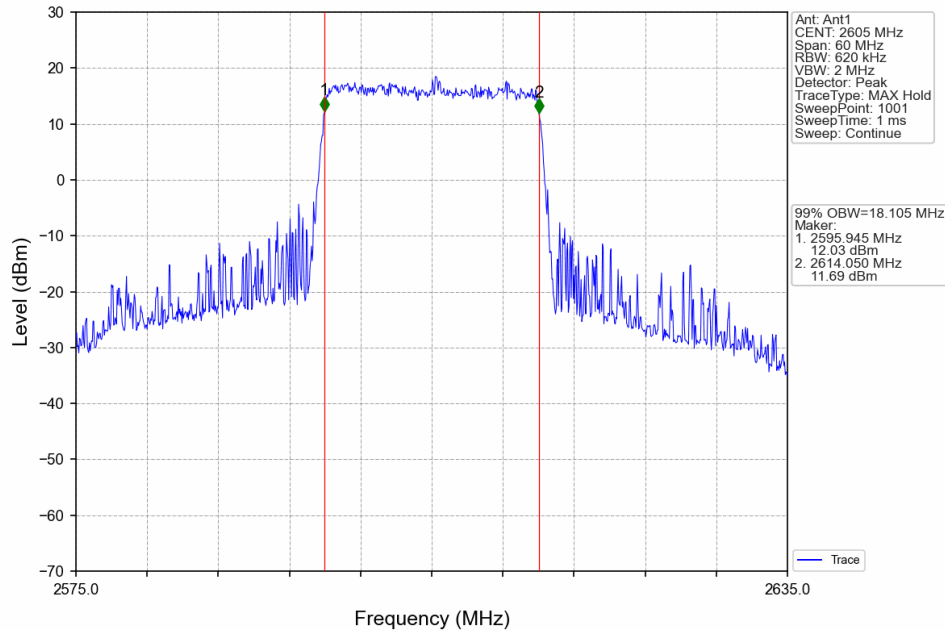
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Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



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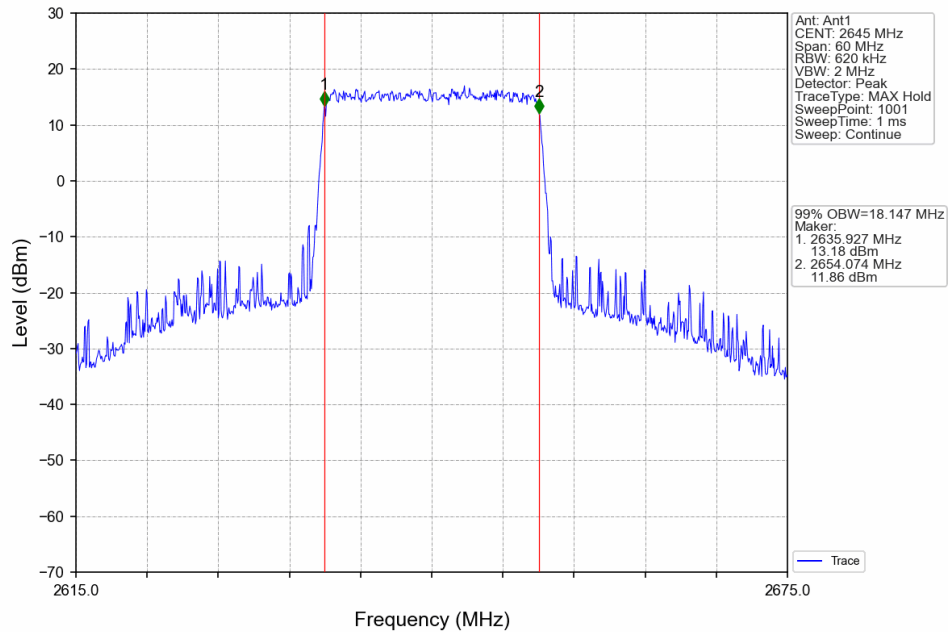
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## 3.2 Band41\_XDB

### 3.2.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.454	/	Pass
		2605	25	0	5.021	/	Pass
		2652.5	25	0	5.094	/	Pass
	16QAM	2557.5	25	0	5.021	/	Pass
		2605	25	0	5.190	/	Pass
		2652.5	25	0	5.297	/	Pass
10	QPSK	2560	50	0	9.814	/	Pass
		2605	50	0	10.733	/	Pass
		2650	50	0	10.197	/	Pass
	16QAM	2560	50	0	10.762	/	Pass
		2605	50	0	10.376	/	Pass
		2650	50	0	10.618	/	Pass
15	QPSK	2562.5	75	0	15.413	/	Pass
		2605	75	0	16.023	/	Pass
		2647.5	75	0	14.973	/	Pass
	16QAM	2562.5	75	0	15.852	/	Pass
		2605	75	0	16.158	/	Pass
		2647.5	75	0	17.743	/	Pass
20	QPSK	2565	100	0	19.606	/	Pass
		2605	100	0	20.189	/	Pass
		2645	100	0	20.113	/	Pass
	16QAM	2565	100	0	19.700	/	Pass
		2605	100	0	22.884	/	Pass
		2645	100	0	20.232	/	Pass



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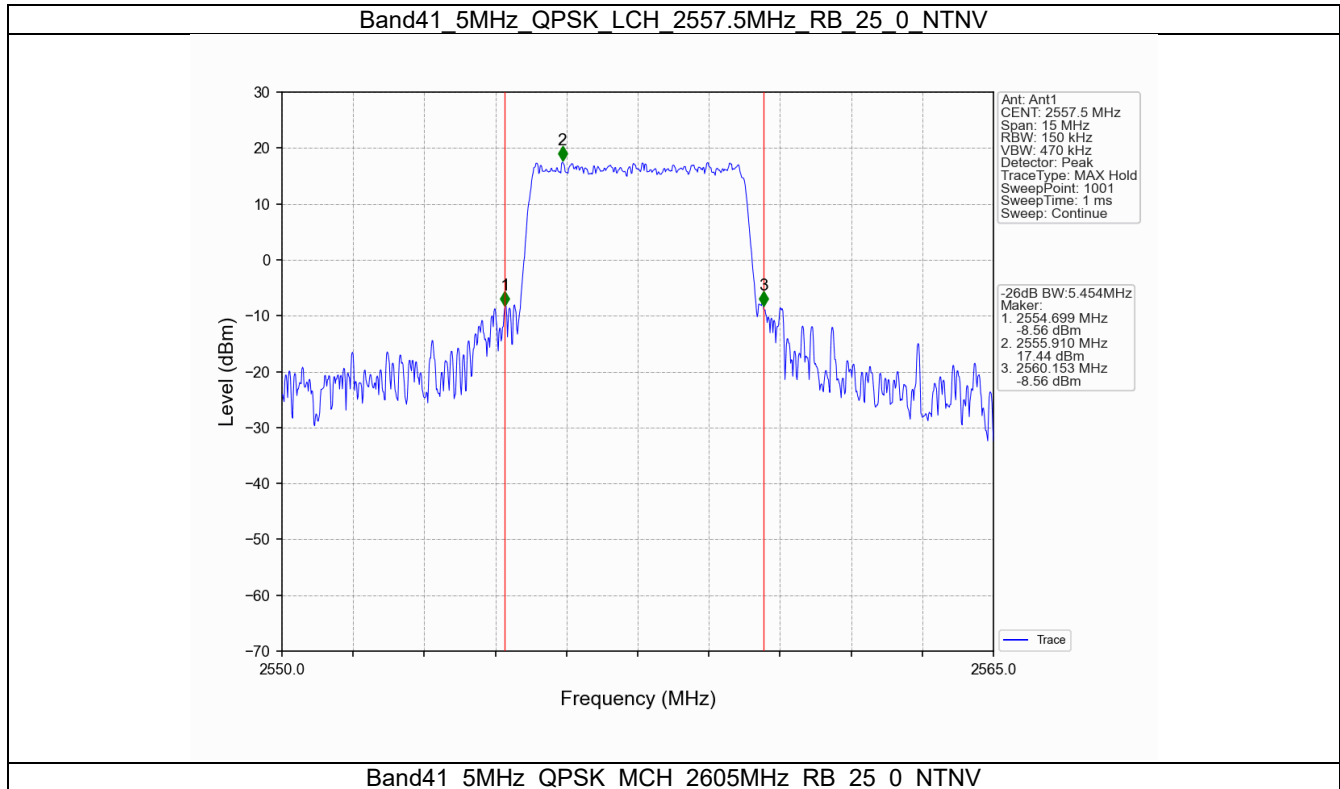


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### 3.2.2 Test Graph



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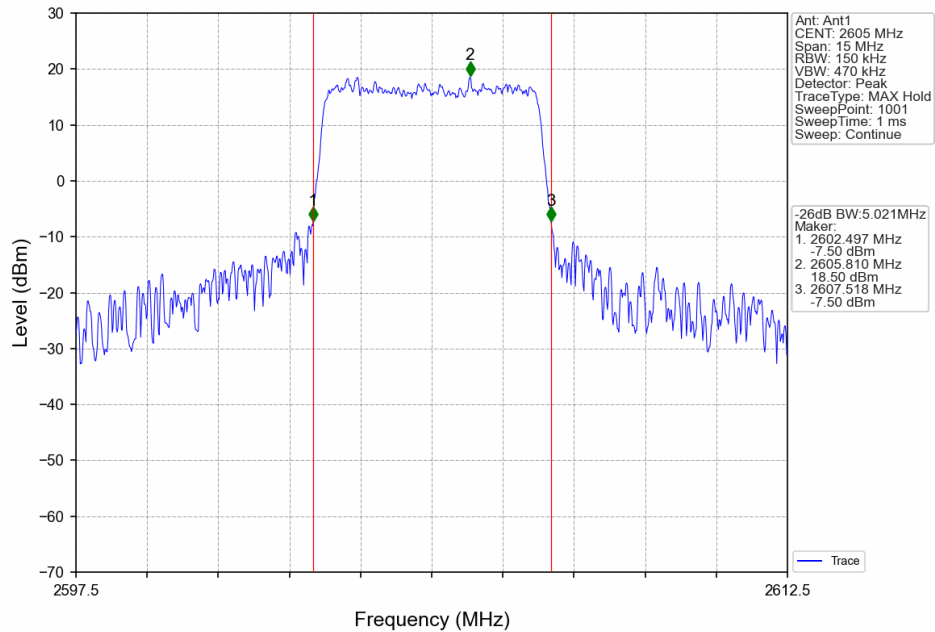
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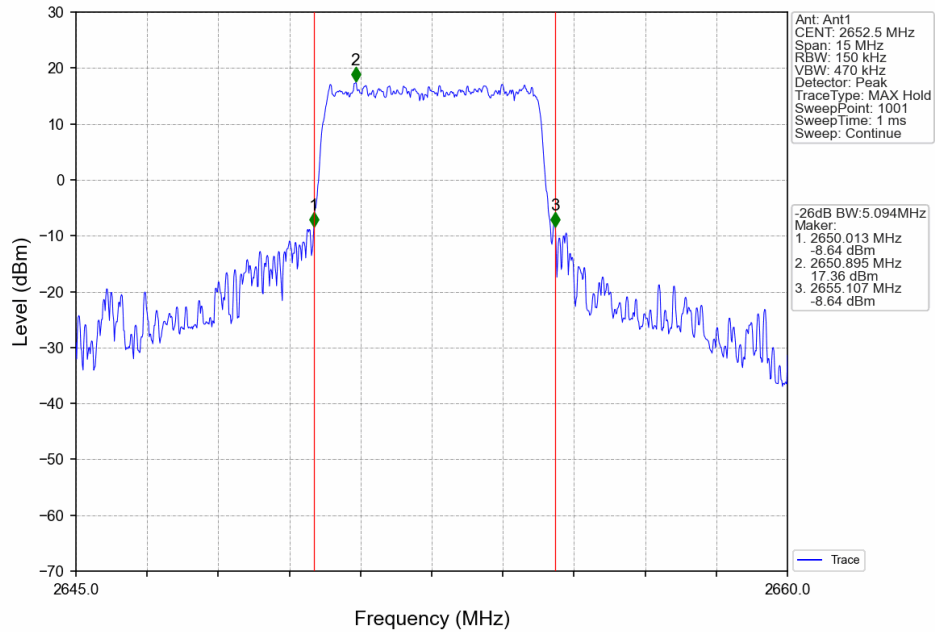
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Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



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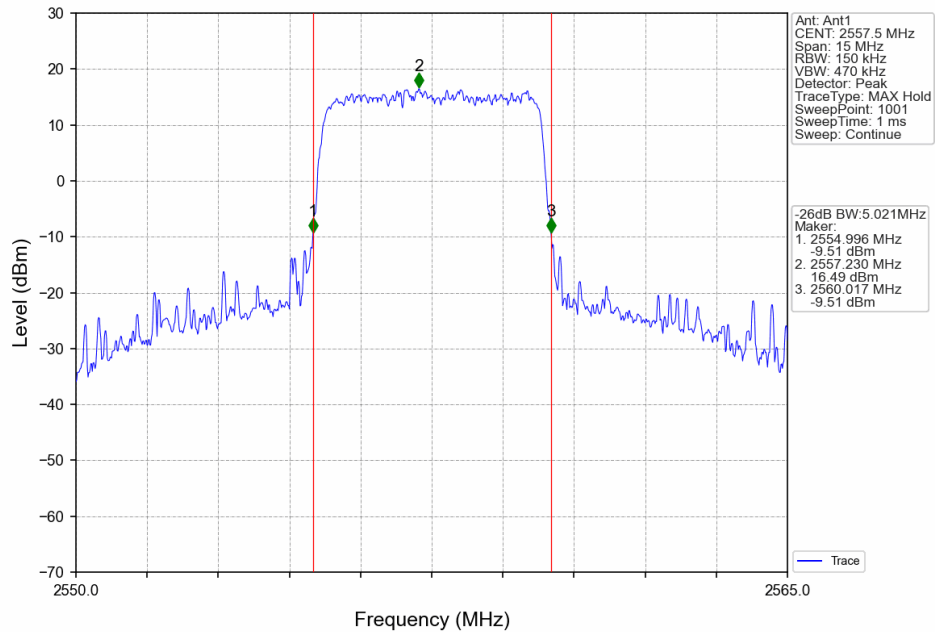
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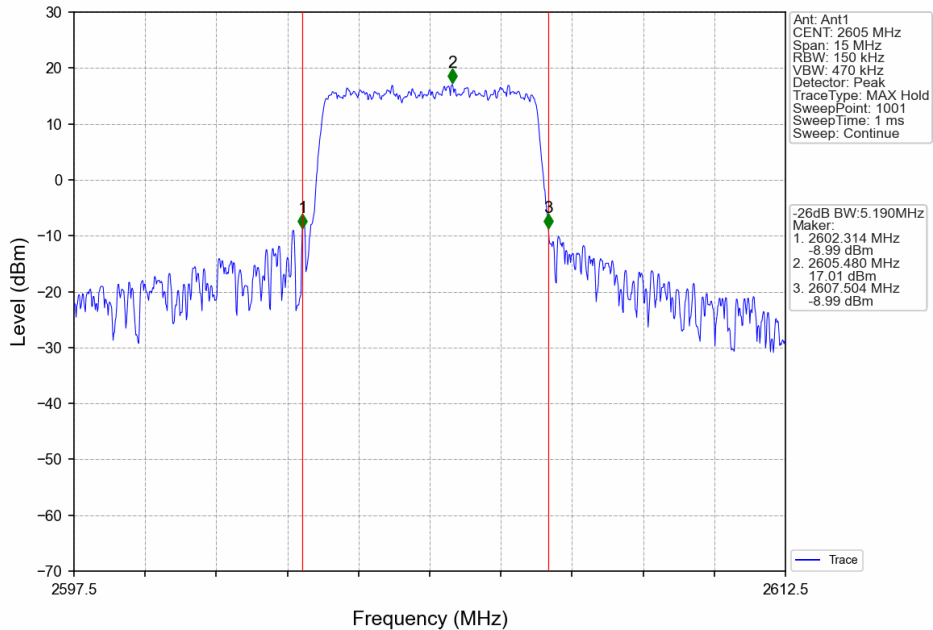
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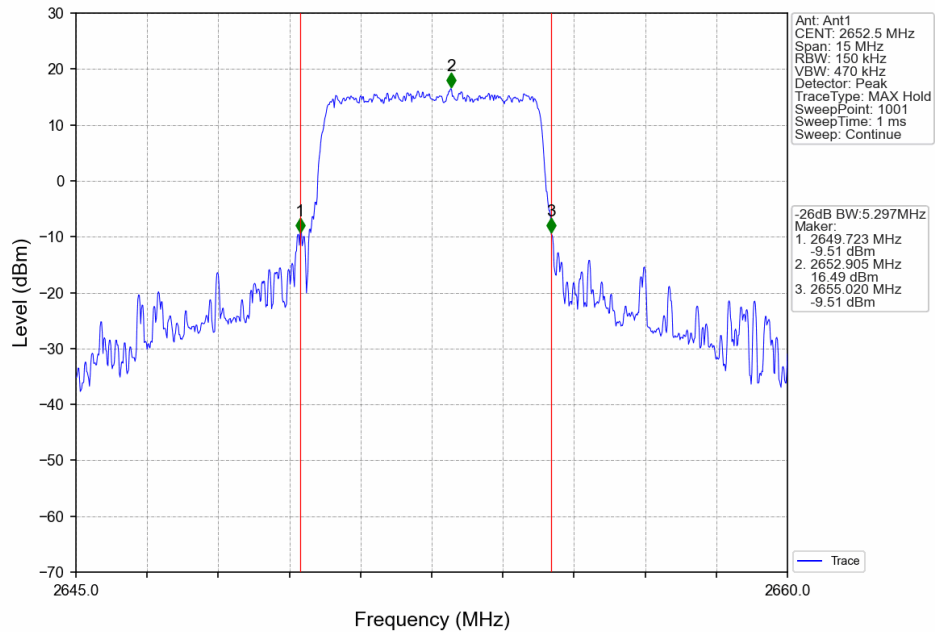
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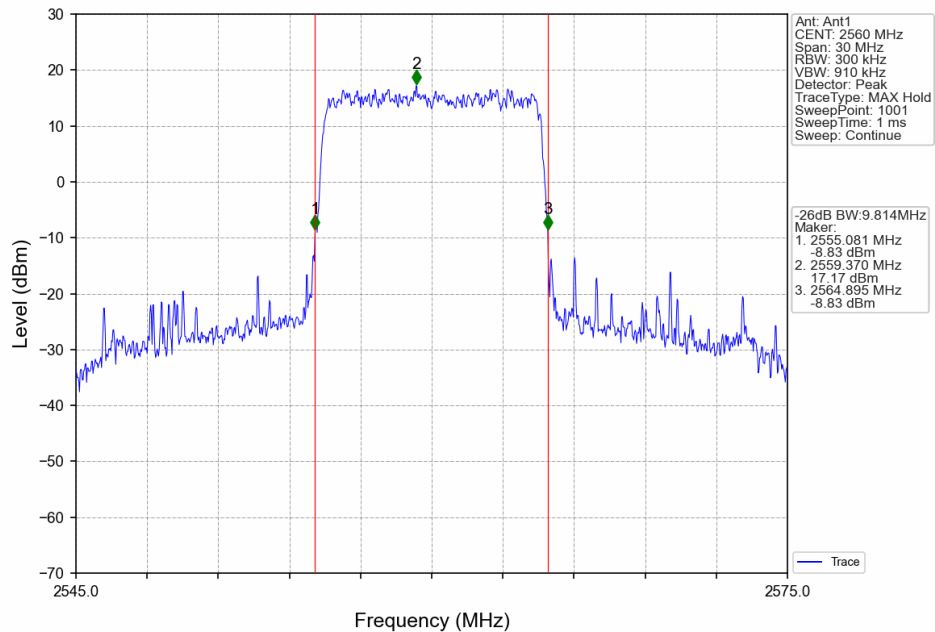


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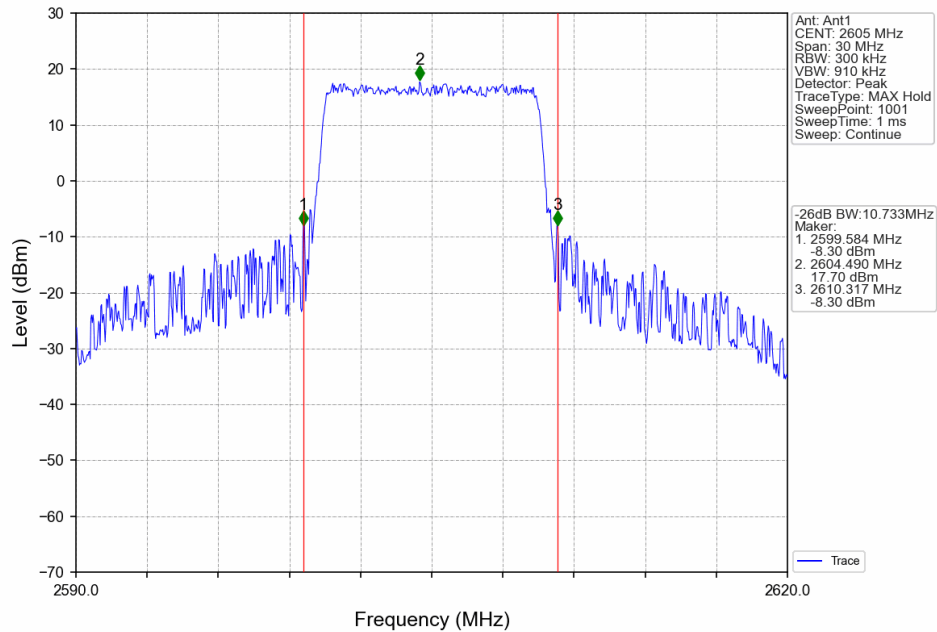
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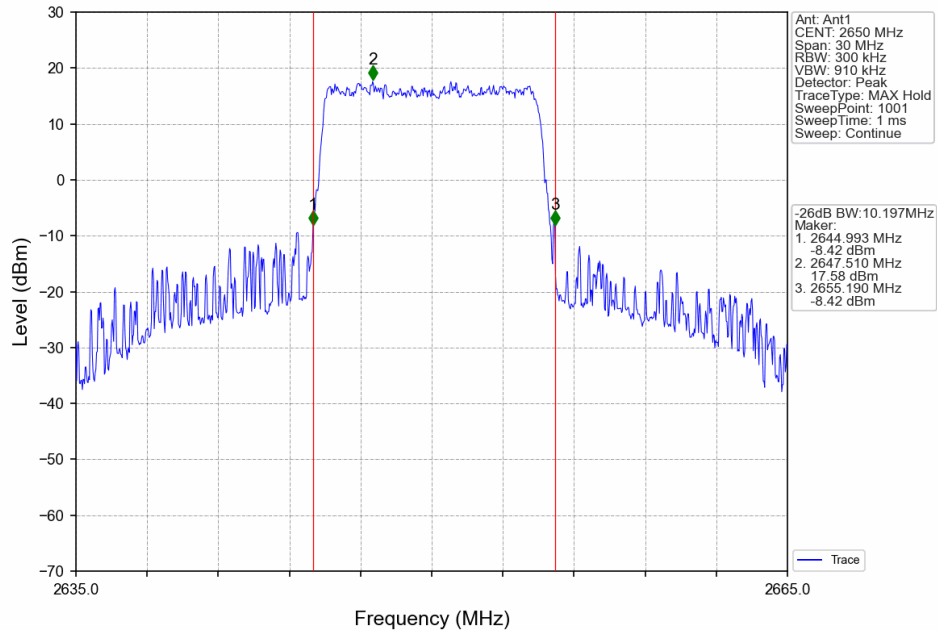
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Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



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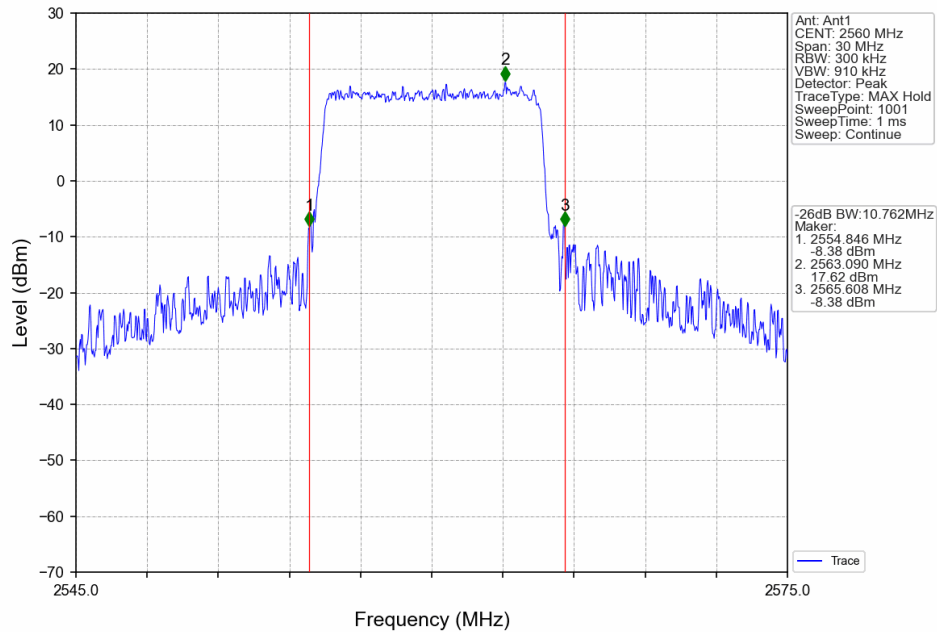
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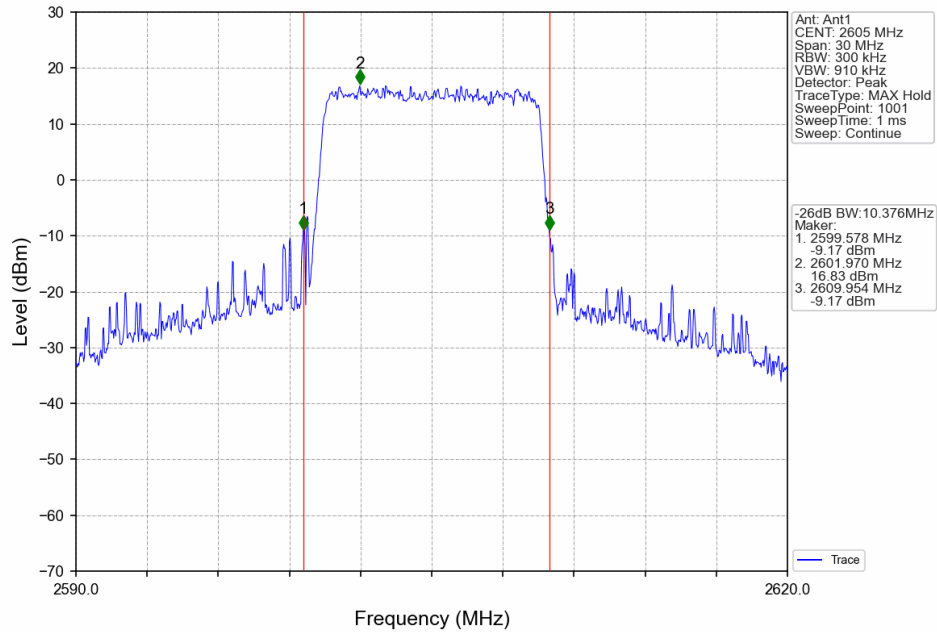
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Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



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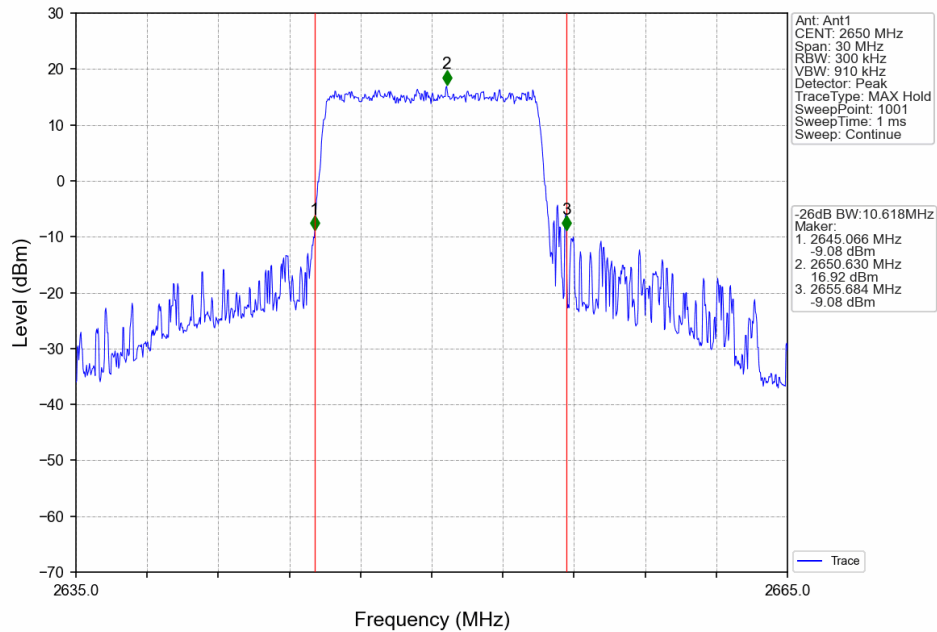
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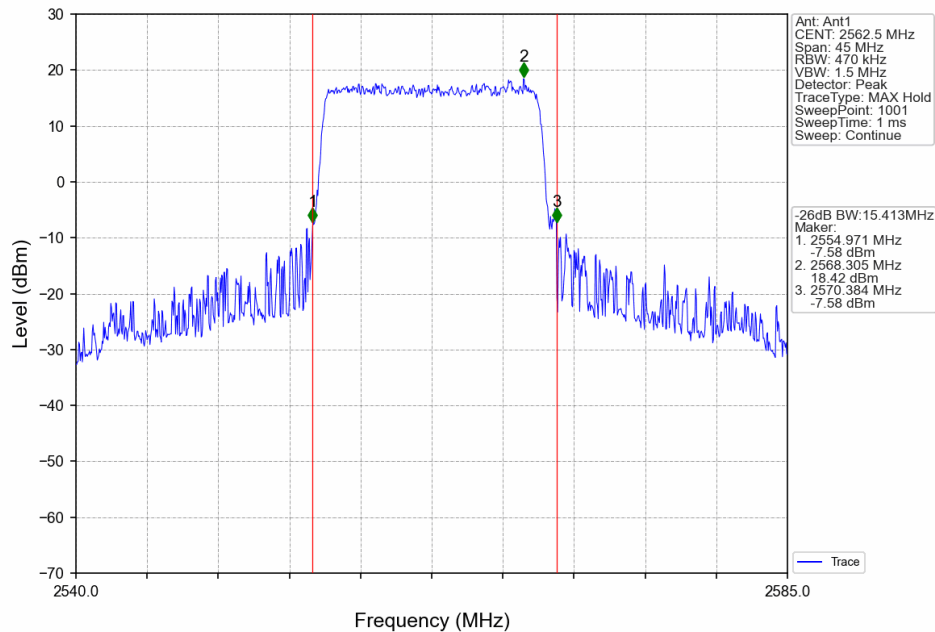


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Band41\_15MHz\_QPSK\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_QPSK\_MCH\_2605MHz\_RB\_75\_0\_NTNV



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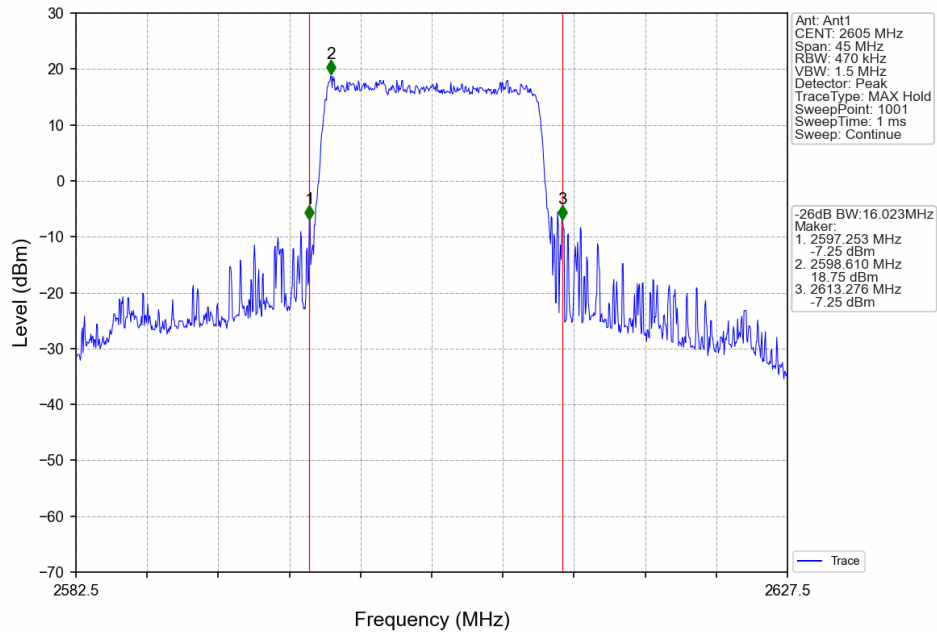
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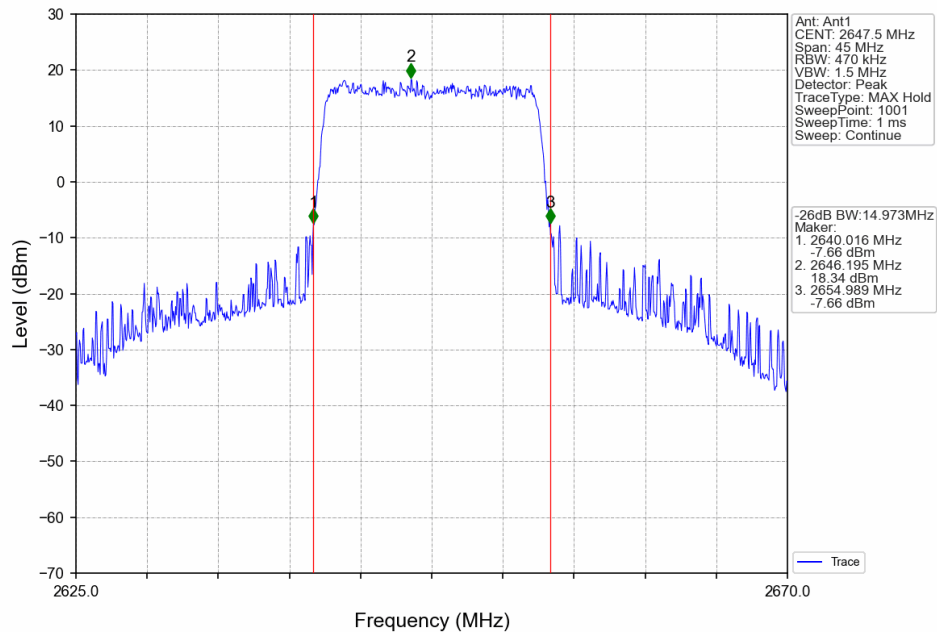
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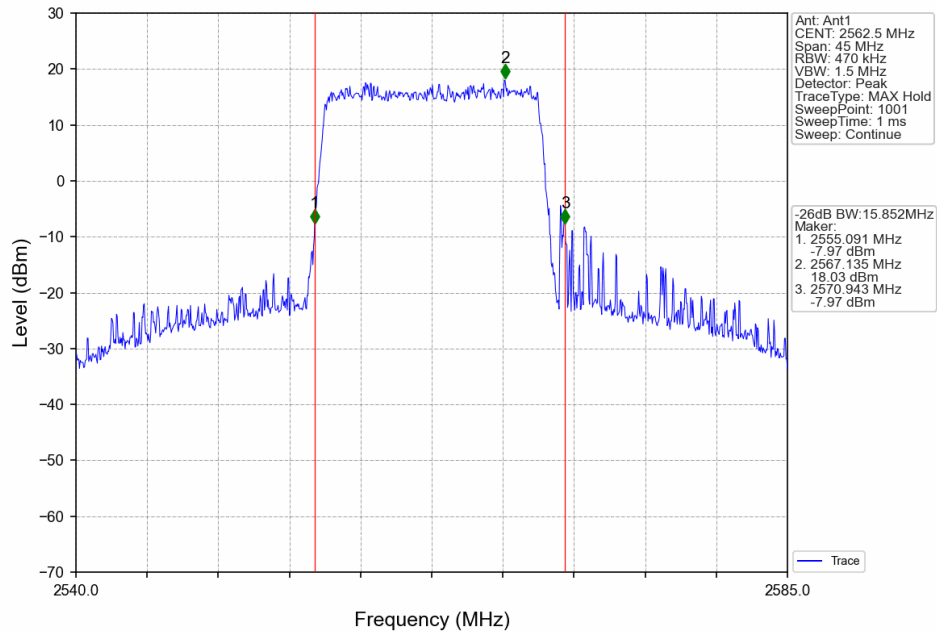
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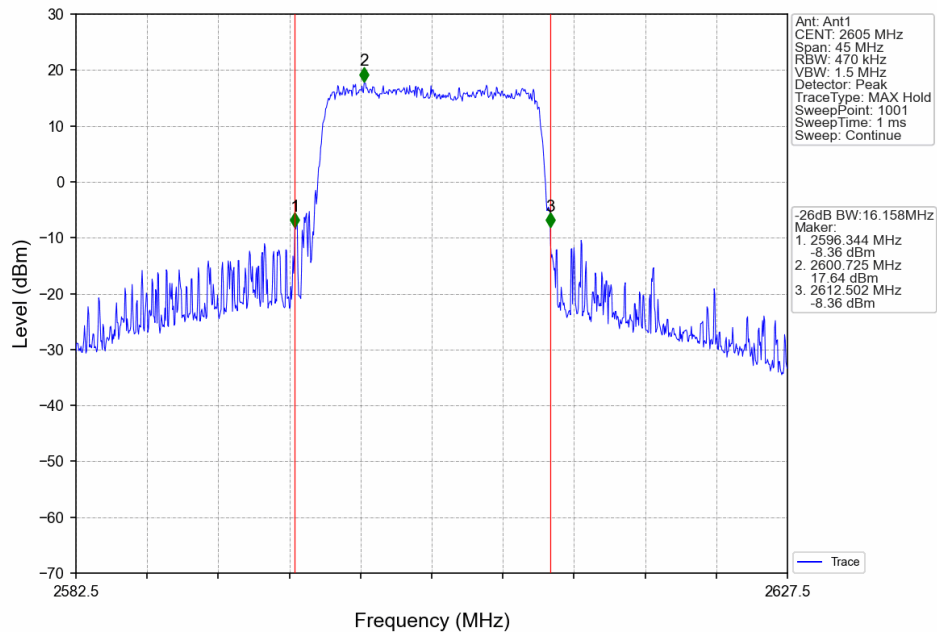
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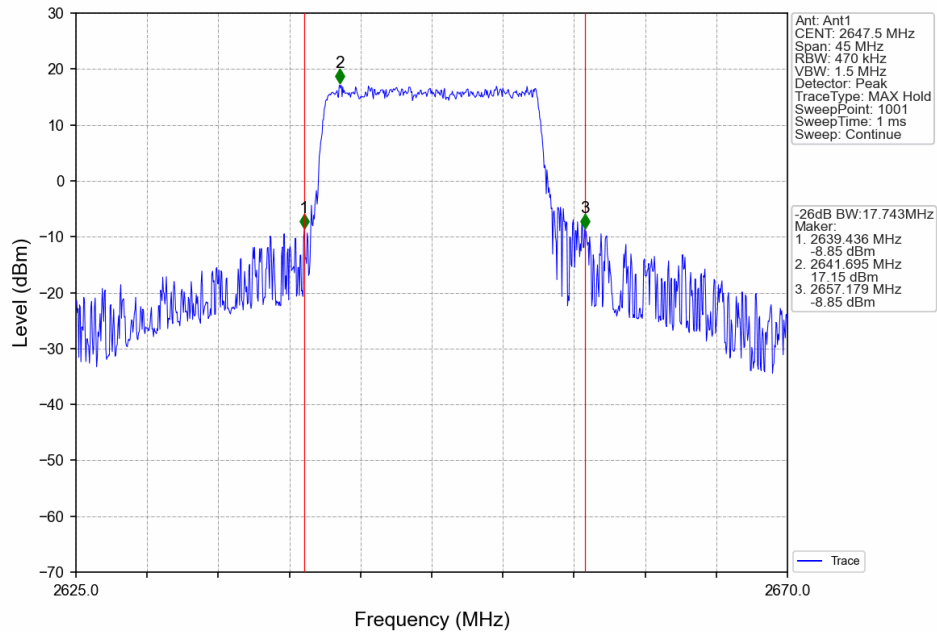
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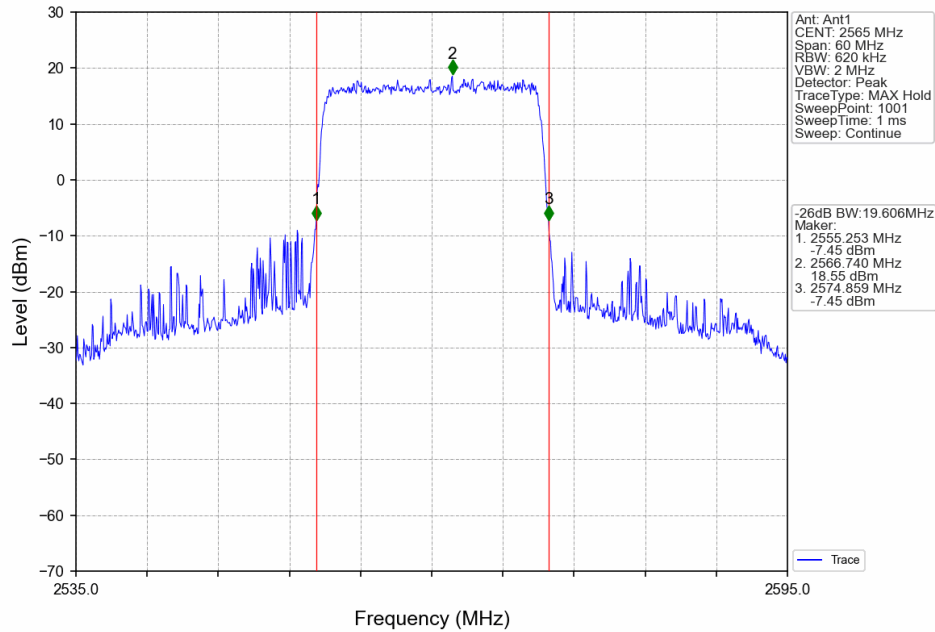


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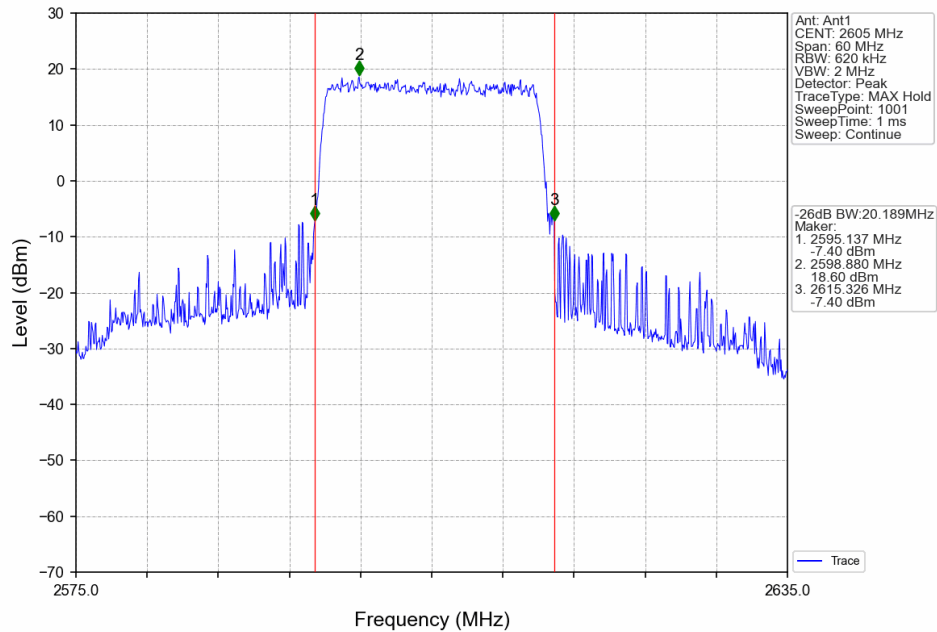
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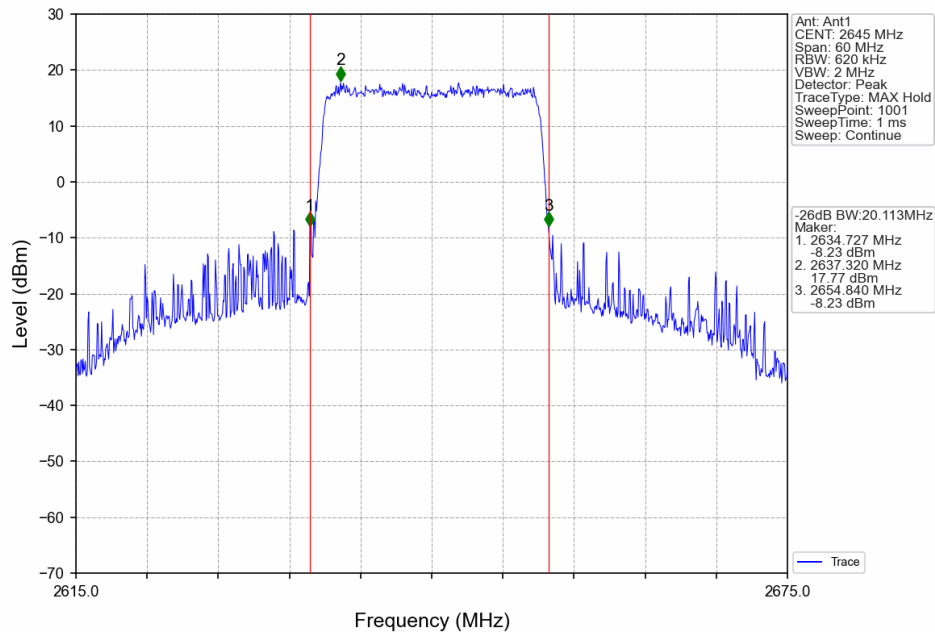
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Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



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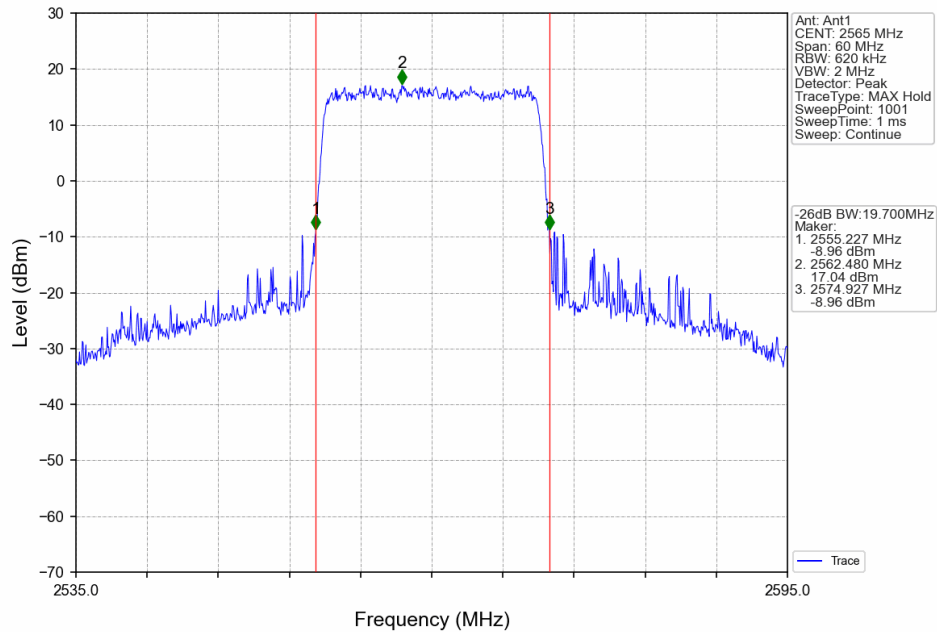
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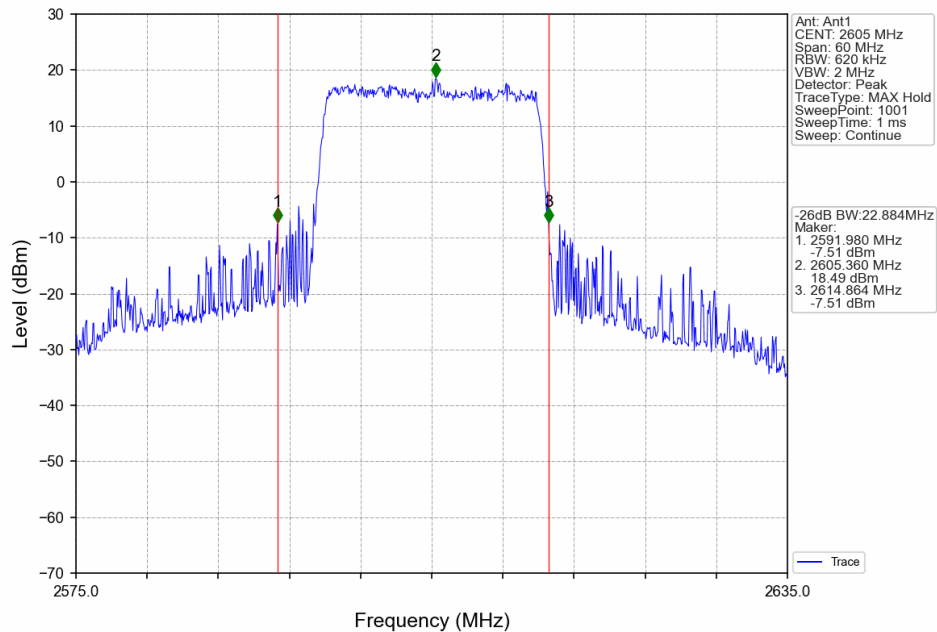
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Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



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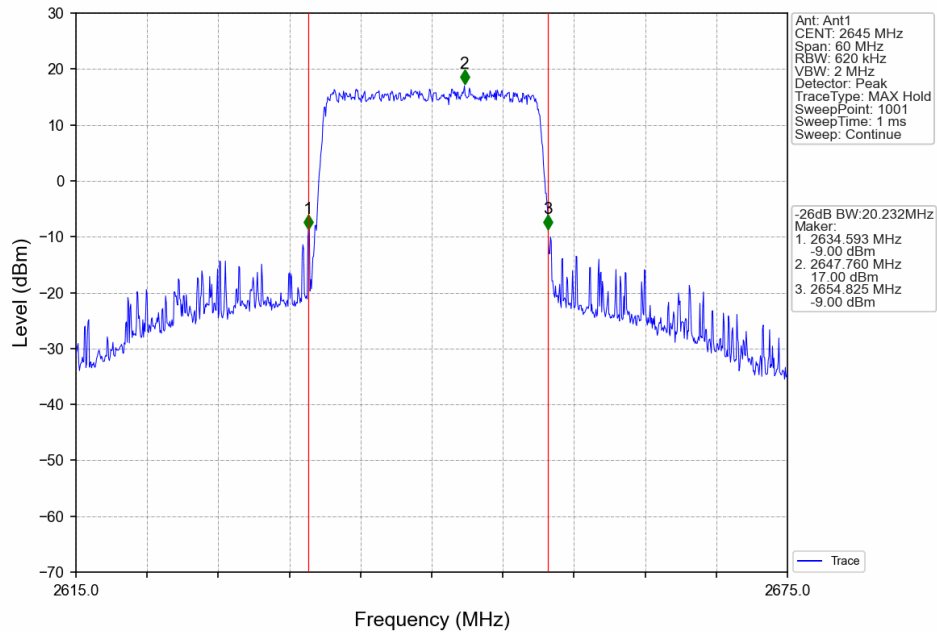
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## 4. Peak-Average Ratio

### 4.1 B41\_5MHz

#### 4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	25	0	7.69	<=13	Pass
	2605	25	0	7.63	<=13	Pass
	2652.5	25	0	7.69	<=13	Pass
16QAM	2557.5	25	0	8.52	<=13	Pass
	2605	25	0	8.53	<=13	Pass
	2652.5	25	0	8.39	<=13	Pass



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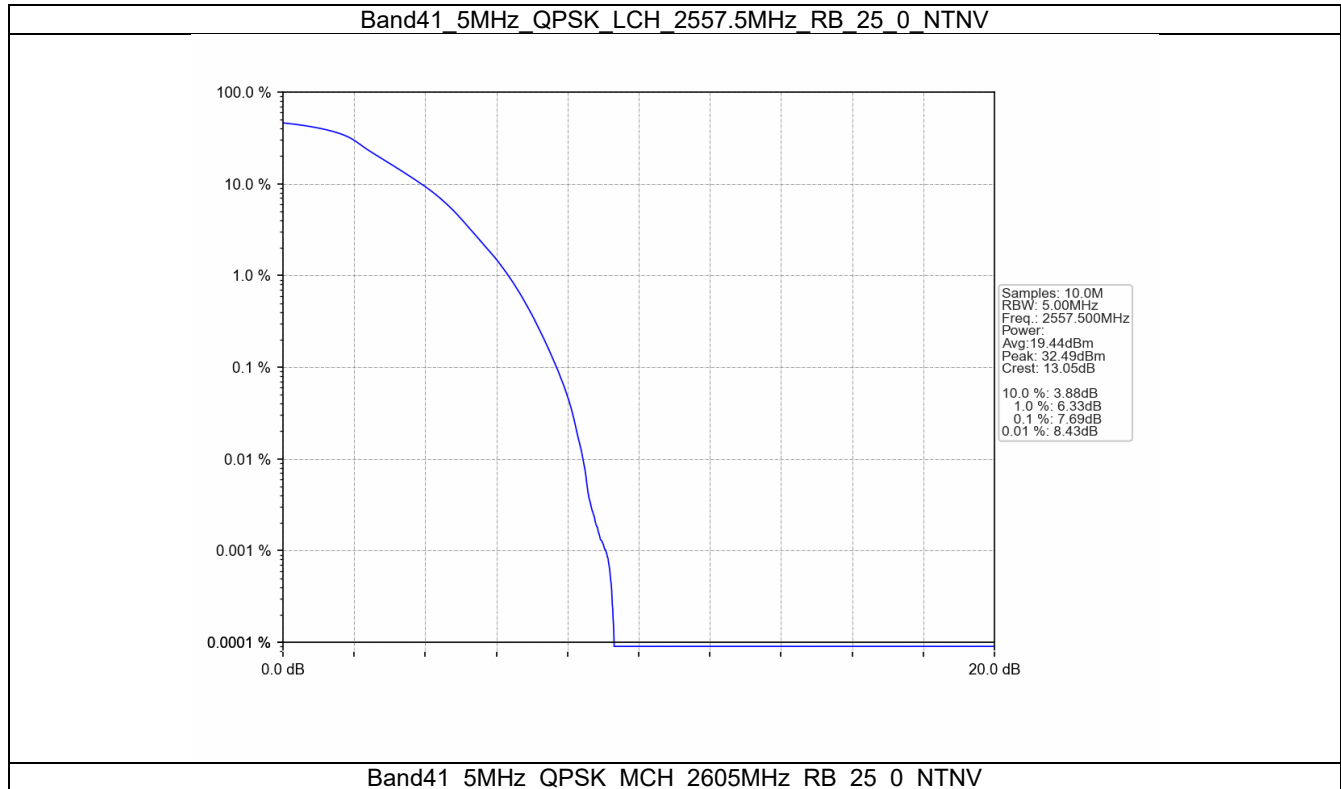
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### 4.1.2 Test Graph



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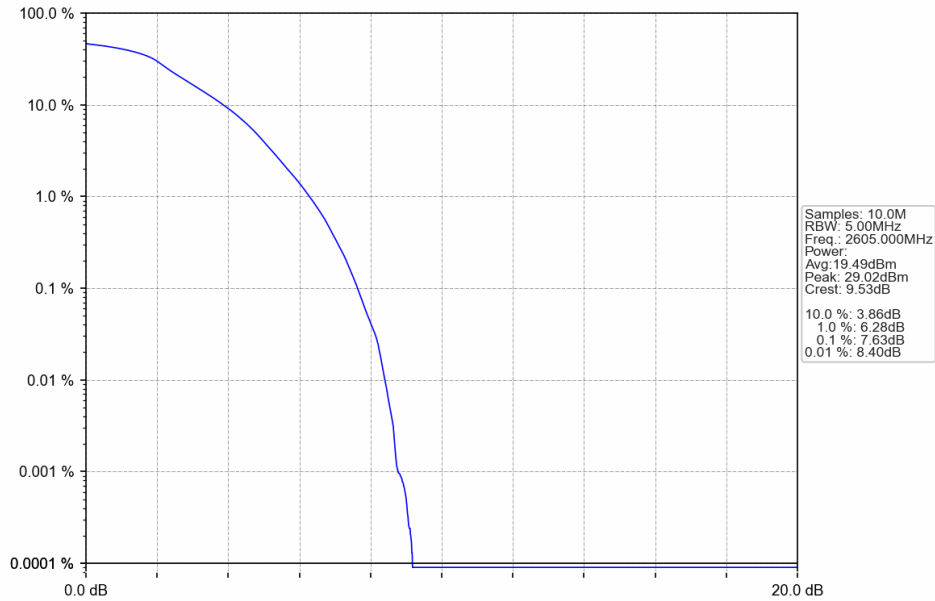
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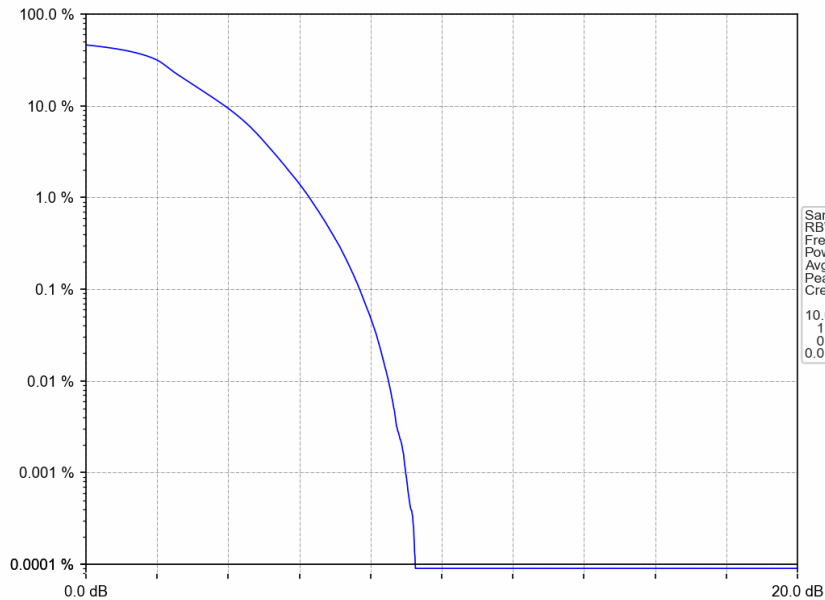
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Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



Samples: 10.0M  
RBW: 5.00MHz  
Freq.: 2652.500MHz  
Power:  
Avg: 19.14dBm  
Peak: 28.94dBm  
Crest: 9.80dB  
10.0%: 3.90dB  
1.0%: 6.28dB  
0.1%: 7.69dB  
0.01%: 8.50dB

Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



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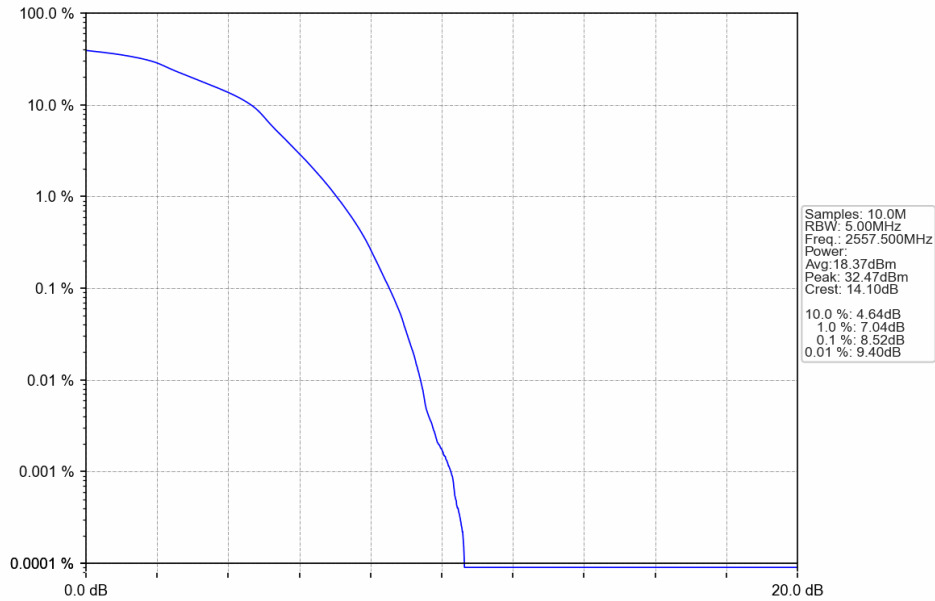
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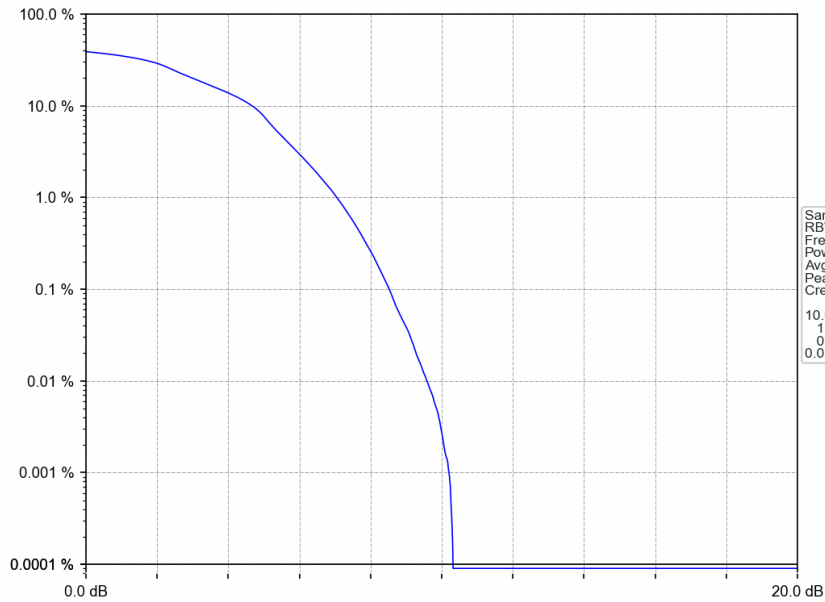
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Band41\_5MHz\_16QAM\_MCH\_2605MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



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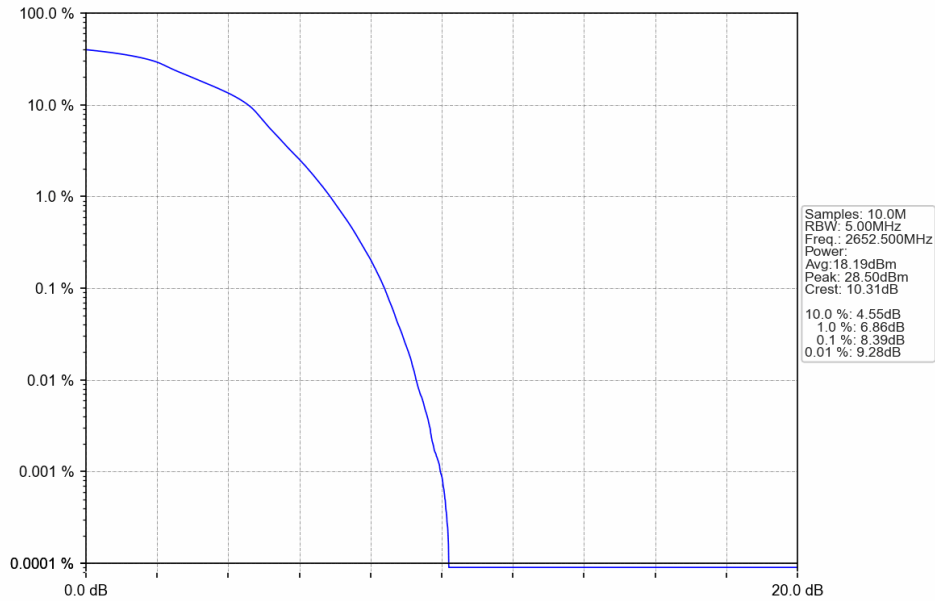
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## 4.2 B41\_10MHz

### 4.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	50	0	7.67	<=13	Pass
	2605	50	0	7.53	<=13	Pass
	2650	50	0	7.78	<=13	Pass
16QAM	2560	50	0	8.50	<=13	Pass
	2605	50	0	8.39	<=13	Pass
	2650	50	0	8.31	<=13	Pass



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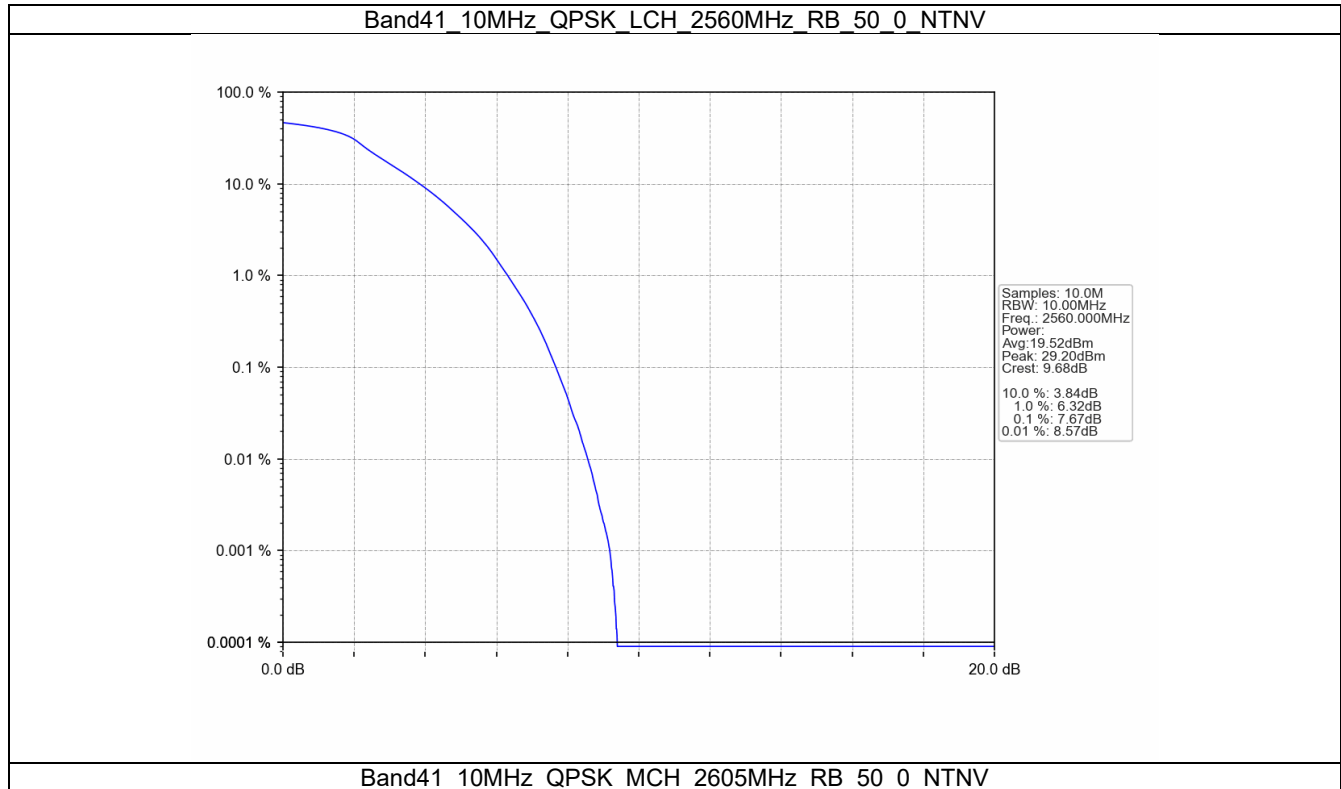
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### 4.2.2 Test Graph



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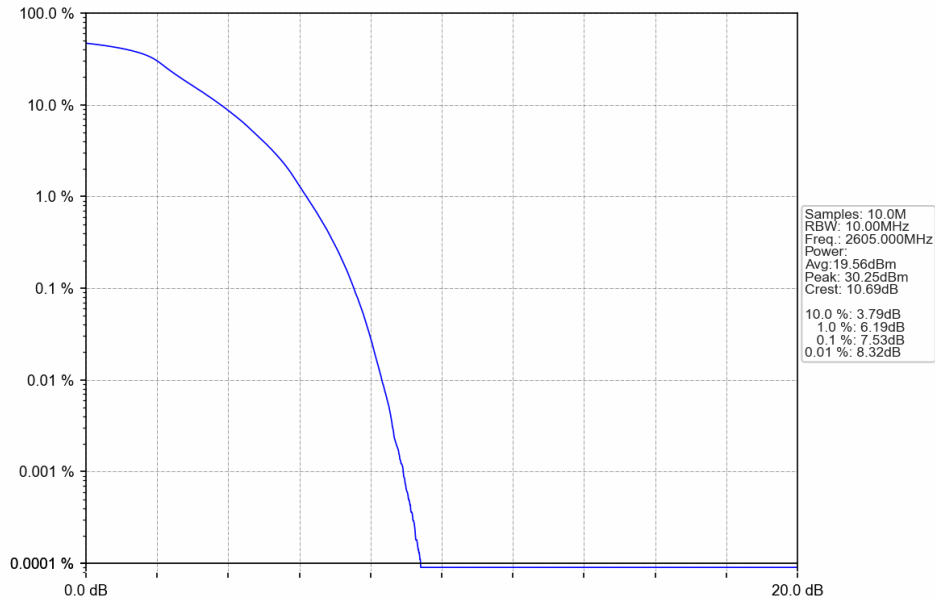
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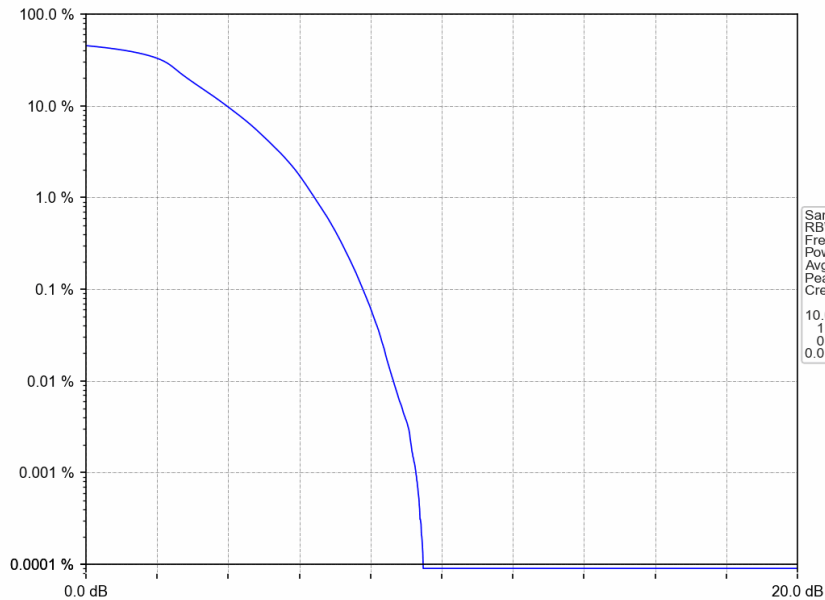
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Band41\_10MHz\_QPSK\_HCH\_2650MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2560MHz\_RB\_50\_0\_NTNV



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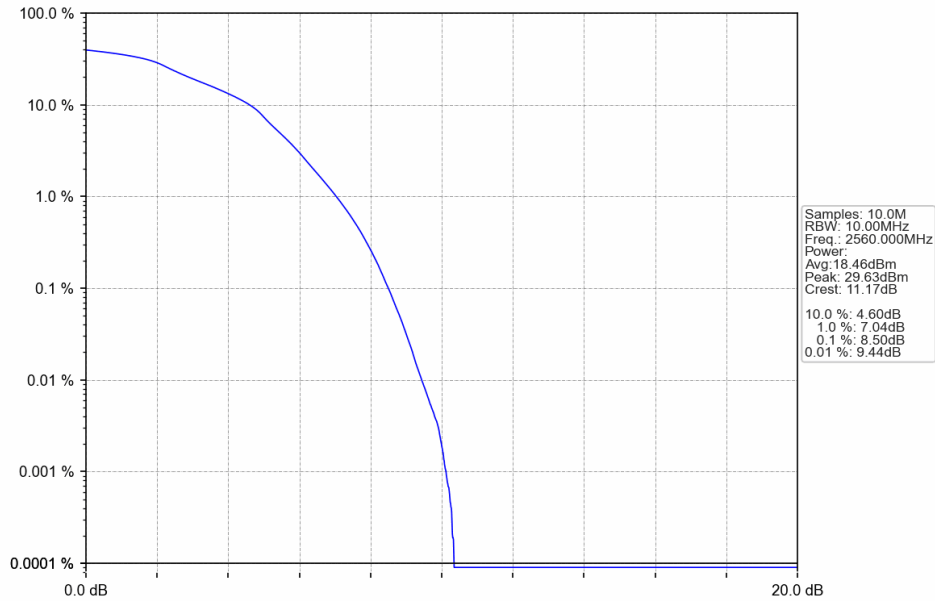
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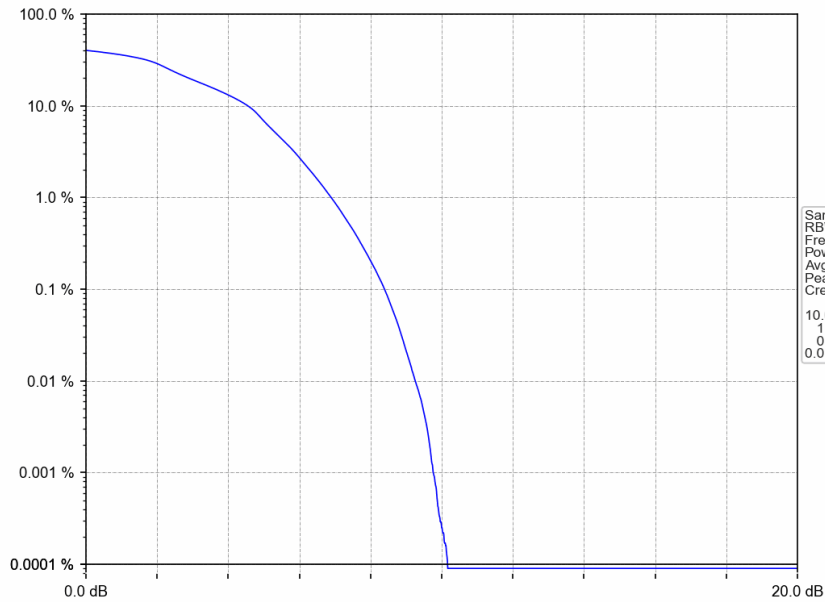


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Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTNV



Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



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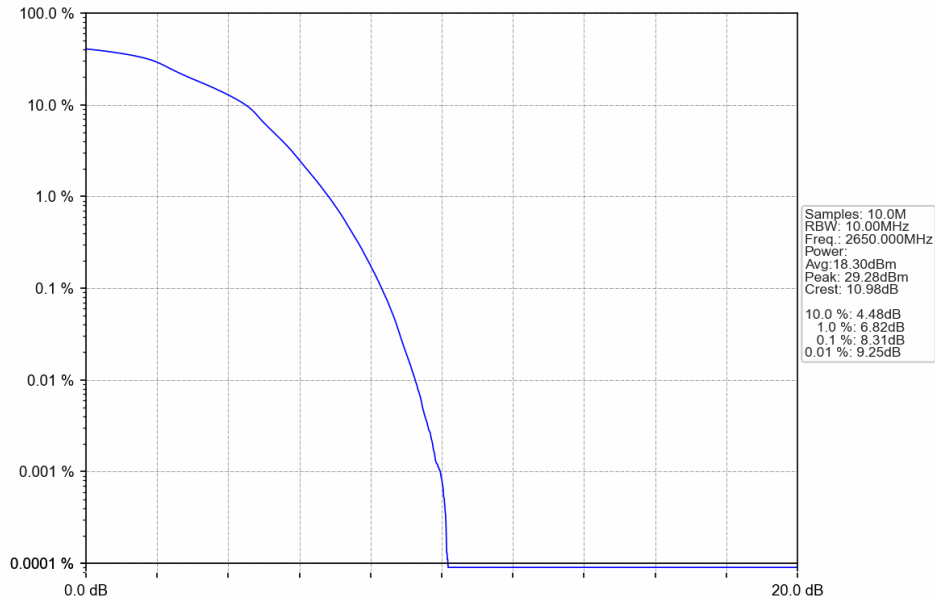
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## 4.3 B41\_15MHz

### 4.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	75	0	7.95	<=13	Pass
	2605	75	0	7.89	<=13	Pass
	2647.5	75	0	7.75	<=13	Pass
16QAM	2562.5	75	0	8.54	<=13	Pass
	2605	75	0	8.43	<=13	Pass
	2647.5	75	0	8.39	<=13	Pass



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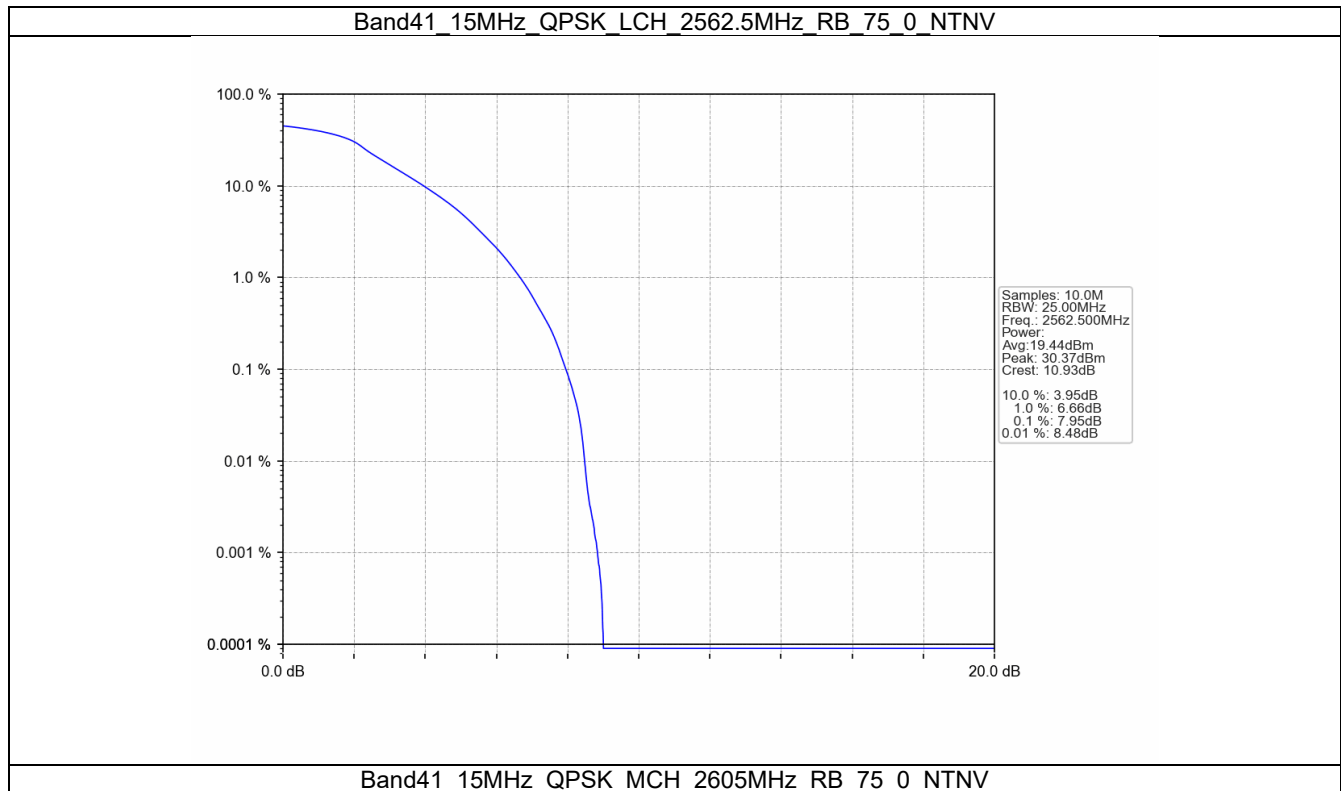
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### 4.3.2 Test Graph



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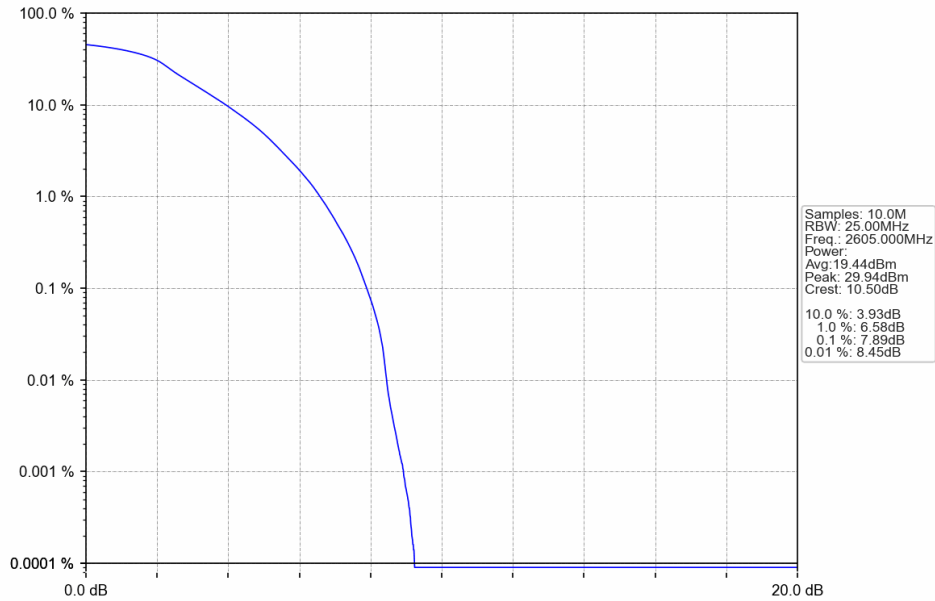
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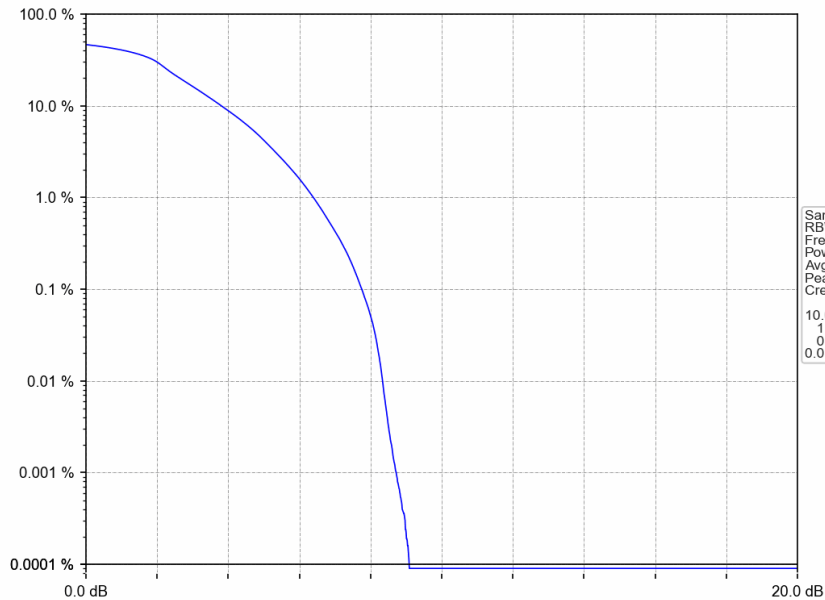
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Band41\_15MHz\_QPSK\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_LCH\_2562.5MHz\_RB\_75\_0\_NTNV



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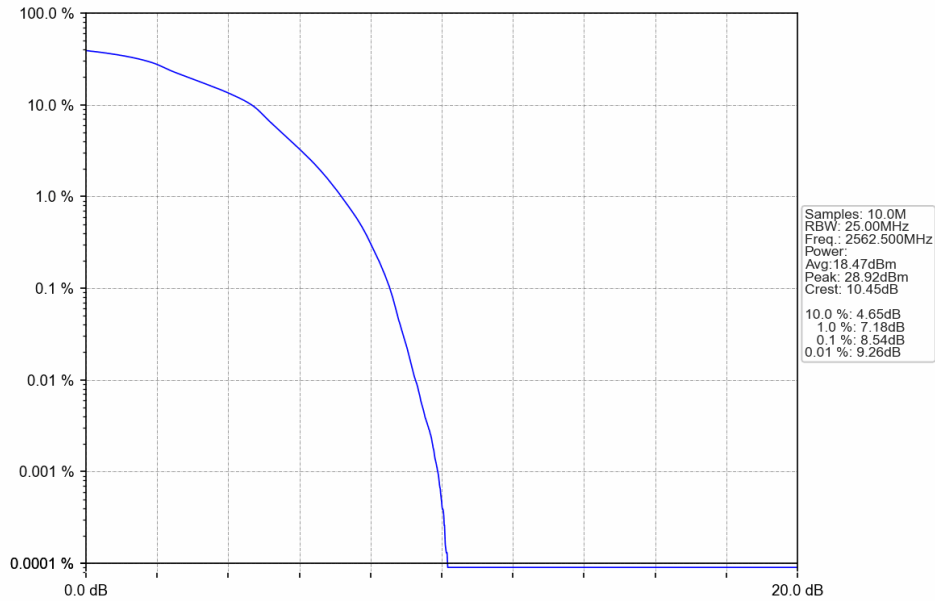
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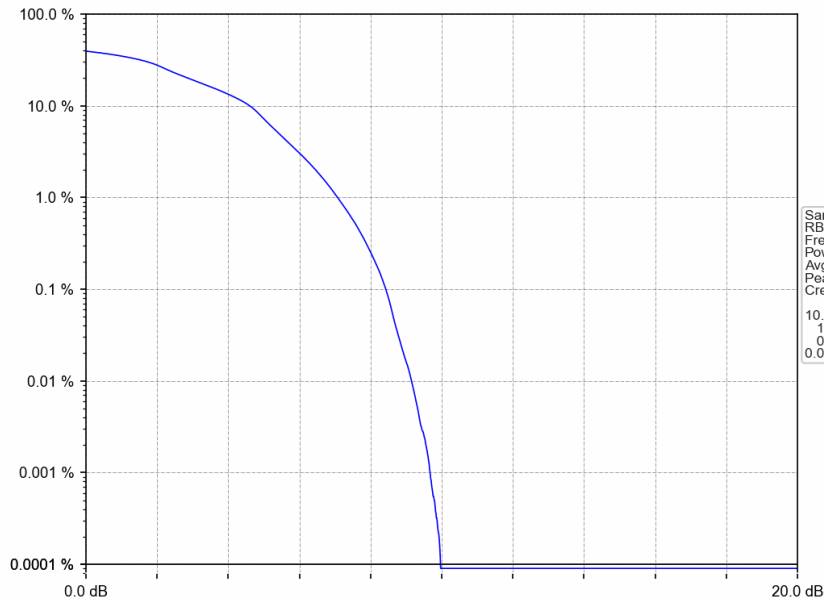
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Band41\_15MHz\_16QAM\_MCH\_2605MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2647.5MHz\_RB\_75\_0\_NTNV



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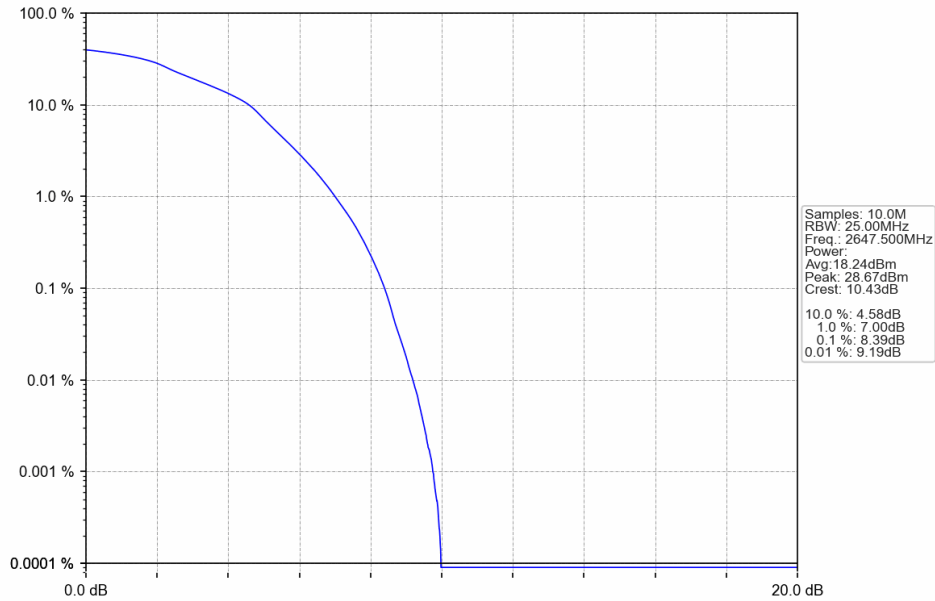
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## 4.4 B41\_20MHz

### 4.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.63	<=13	Pass
	2605	100	0	7.50	<=13	Pass
	2645	100	0	7.56	<=13	Pass
16QAM	2565	100	0	8.55	<=13	Pass
	2605	100	0	8.38	<=13	Pass
	2645	100	0	8.37	<=13	Pass



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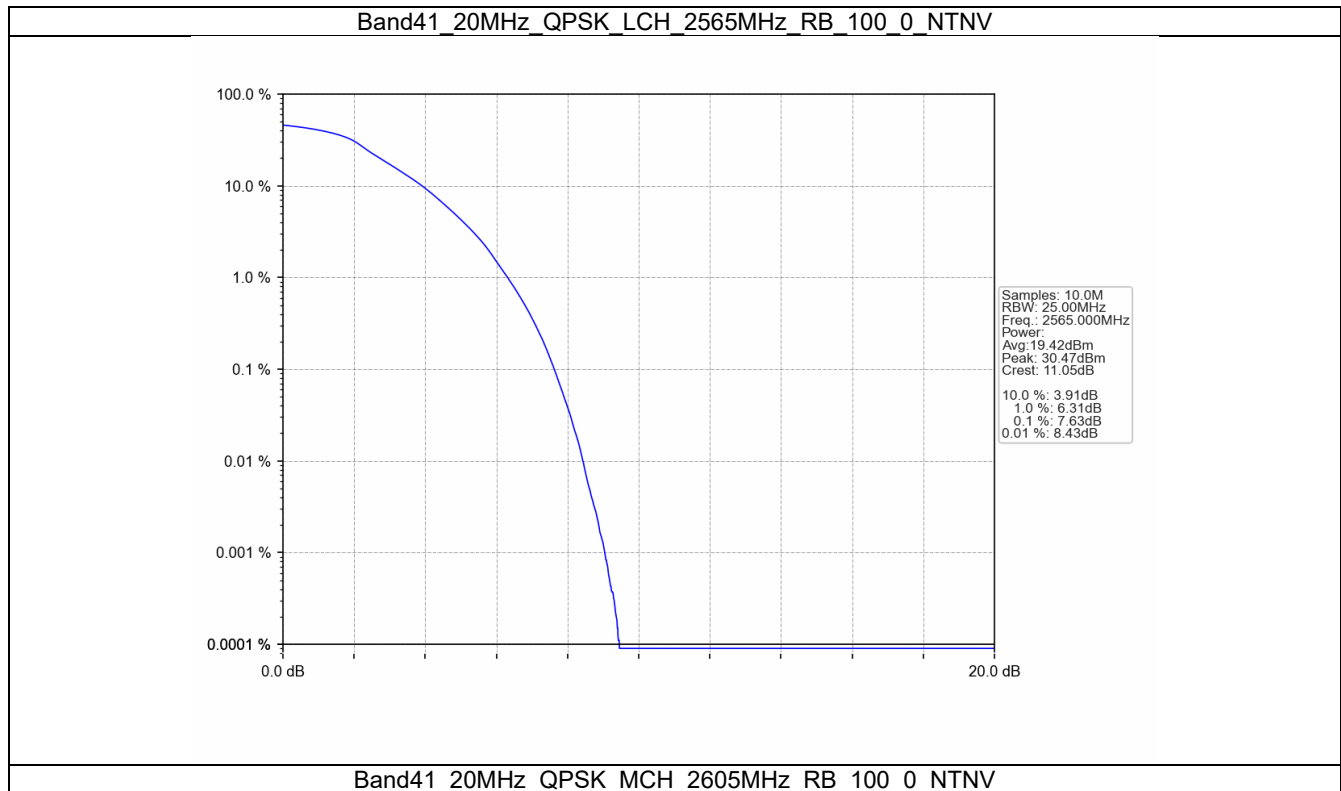
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### 4.4.2 Test Graph



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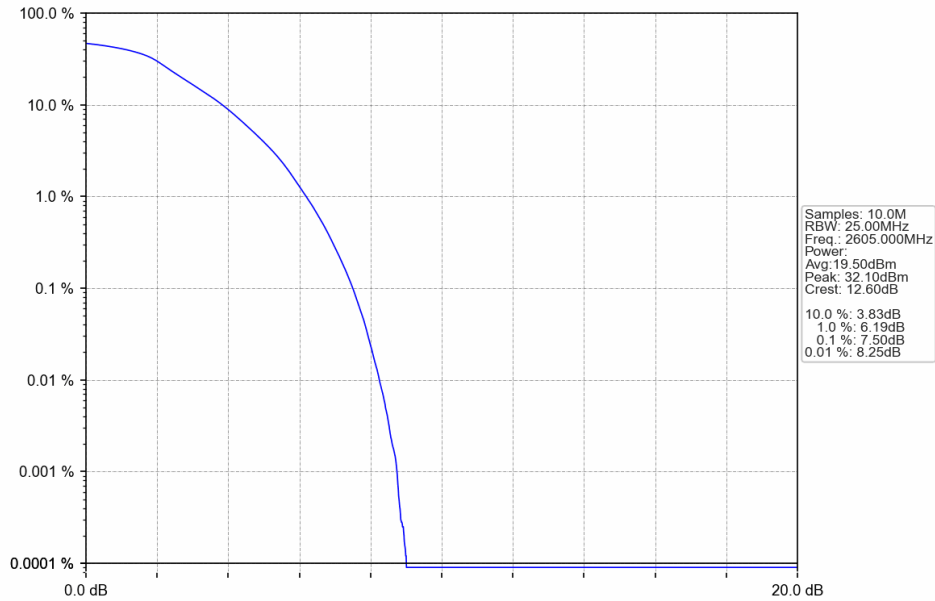
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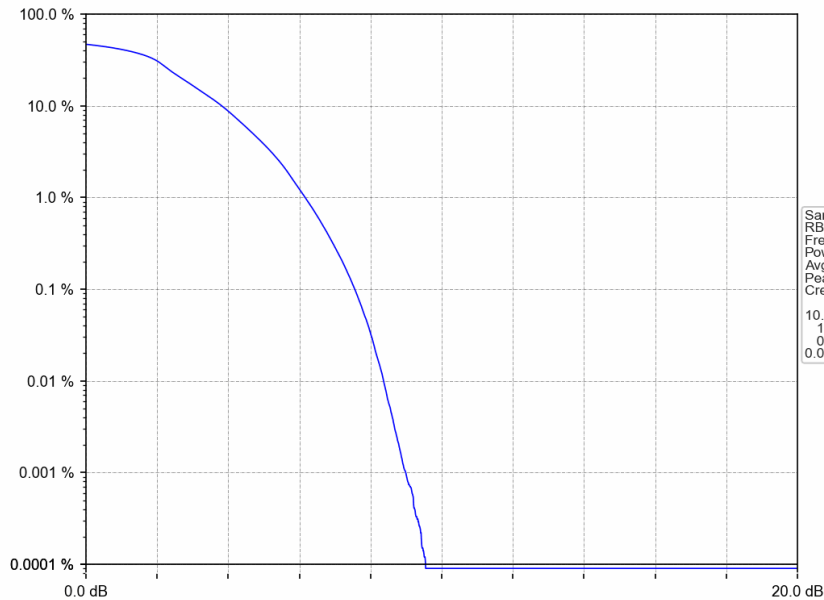


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Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



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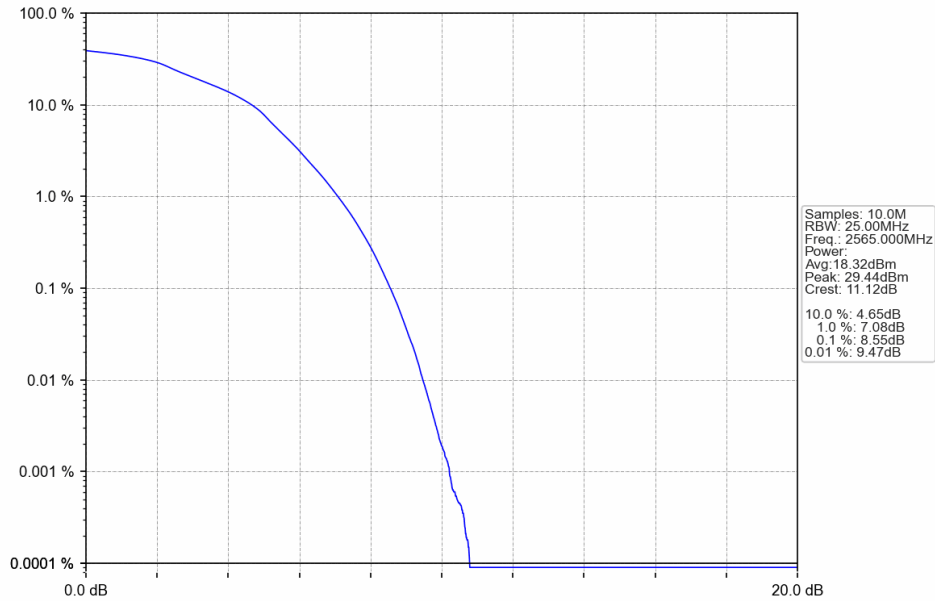
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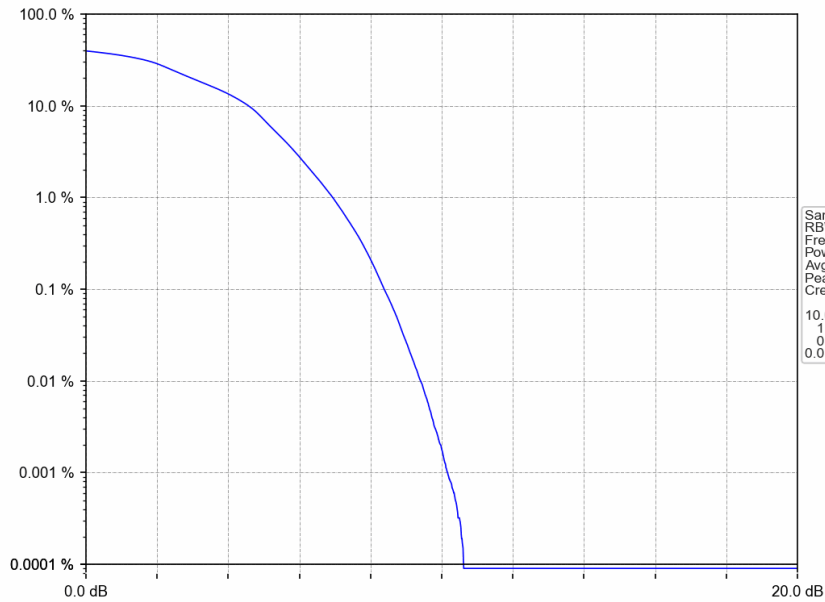
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Band41\_20MHz\_16QAM\_MCH\_2605MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2645MHz\_RB\_100\_0\_NTNV



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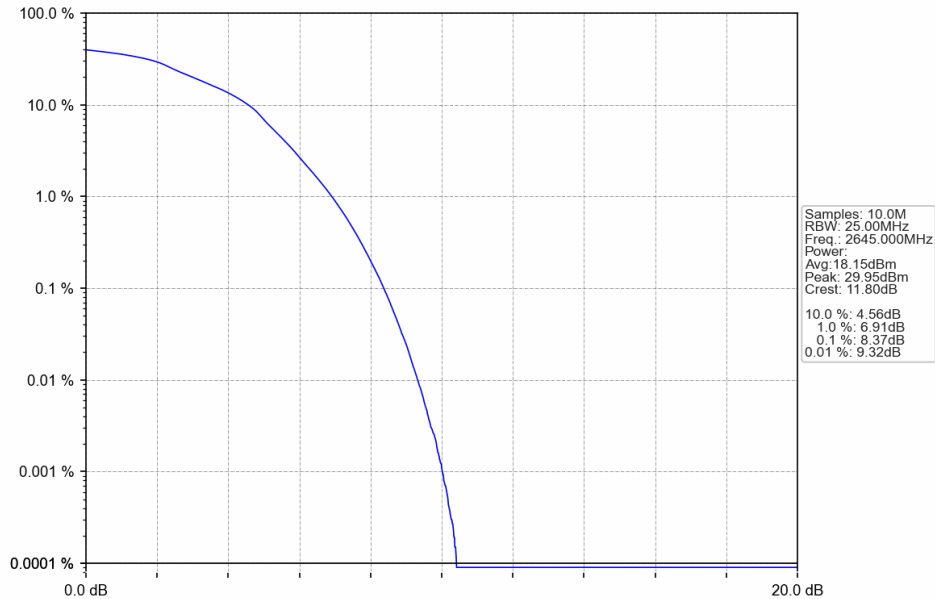
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## 5. Spurious Emission & Band Edges

### 5.1 Test Result

#### 5.1.1 B41\_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

#### 5.1.2 B41\_10MHz



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Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

### 5.1.3 B41\_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	1	0	Refer To Test Graph		Pass



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		75	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2647.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	2562.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2647.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

#### 5.1.4 B41\_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass



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# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

Report No.: SUCR240100000801

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		100	0	Refer To Test Graph	Pass
16QAM	2565	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2605	1	0	Refer To Test Graph	Pass
	2645	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass



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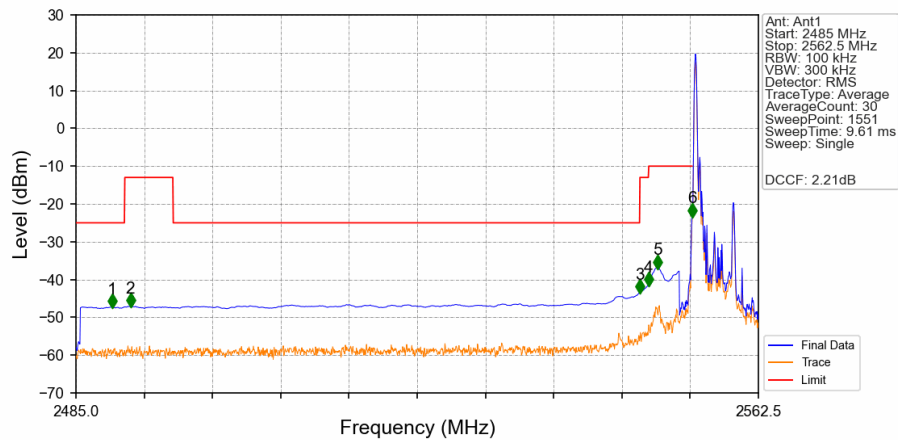
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### 5.2 Test Graph

#### 5.2.1 B41\_5MHz

Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.100	-47.22	-25	Pass
2490.5	2496	1	CHP	2	2491.200	-47.07	-13	Pass
2496	2549	1	CHP	3	2549.000	-43.47	-25	Pass
2549	2550	1	CHP	4	2550.000	-41.45	-13	Pass
2550	2554	1	CHP	5	2551.050	-36.92	-10	Pass
2554	2555	0.1	/	6	2554.950	-23.19	-10	Pass
2555	2562.5	0.1	/	/	/	/	/	/

Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



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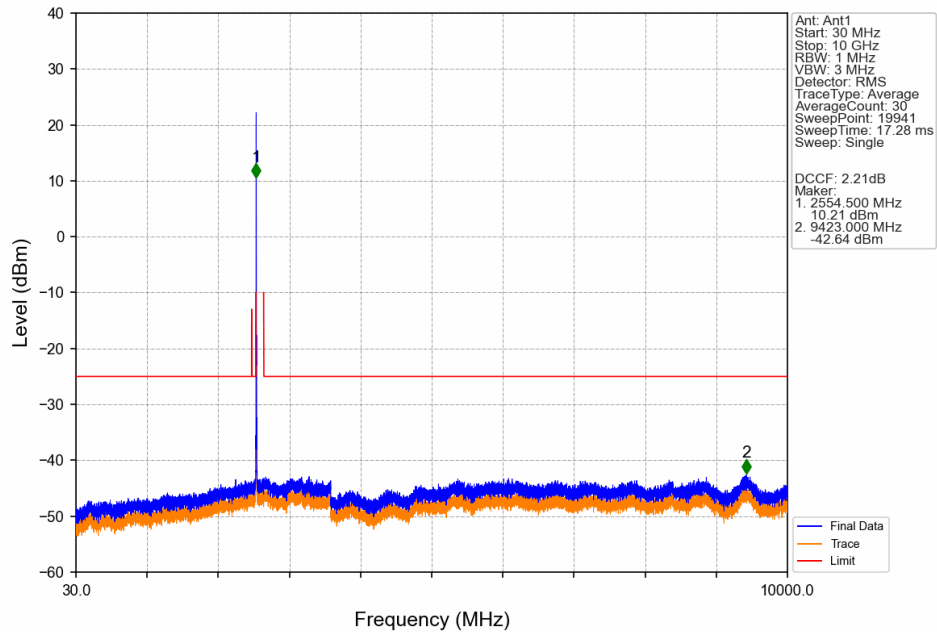
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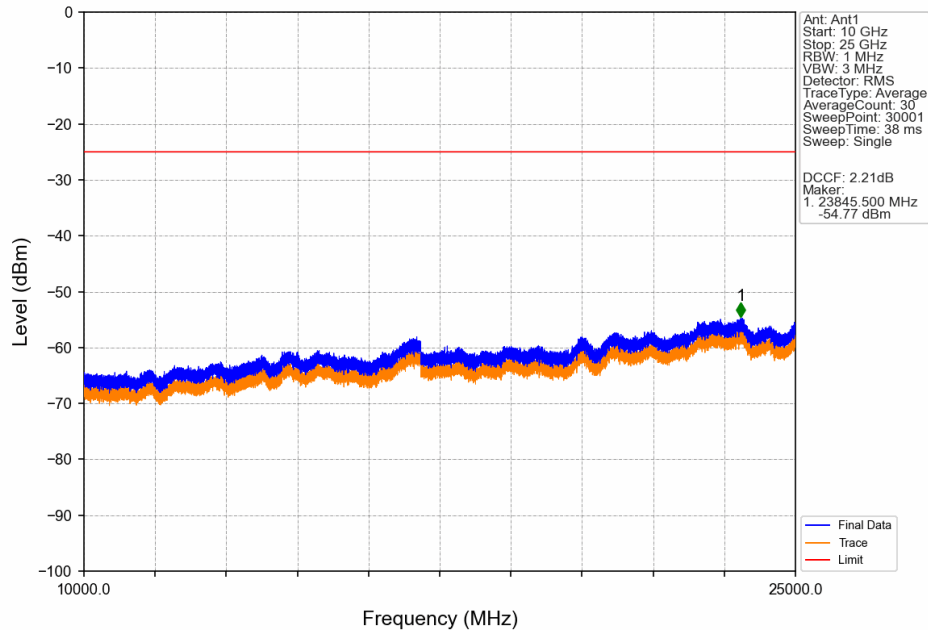
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Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



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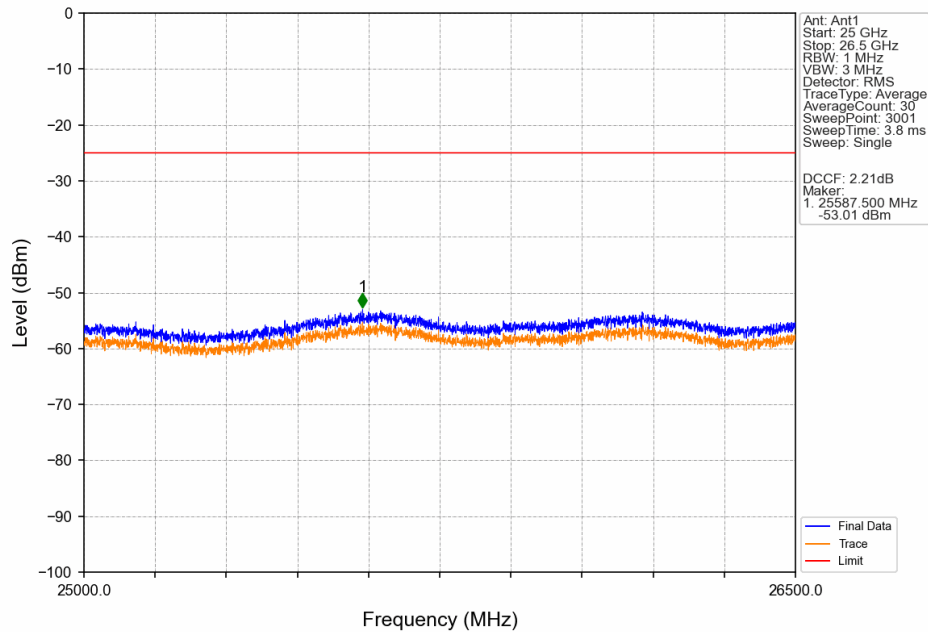
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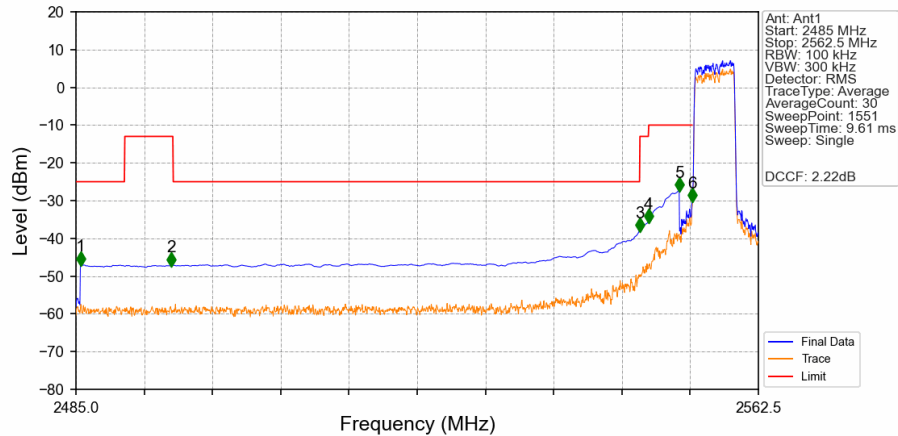


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### Band41\_5MHz\_QPSK\_LCH\_2557.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.550	-46.90	-25	Pass
2490.5	2496	1	CHP	2	2495.850	-47.13	-13	Pass
2496	2549	1	CHP	3	2549.000	-37.96	-25	Pass
2549	2550	1	CHP	4	2550.000	-35.66	-13	Pass
2550	2554	1	CHP	5	2553.500	-27.28	-10	Pass
2554	2555	0.1	/	6	2554.950	-30.06	-10	Pass
2555	2562.5	0.1	/	/	/	/	/	/

### Band41\_5MHz\_QPSK\_MCH\_2605MHz\_RB\_1\_0\_NTNV



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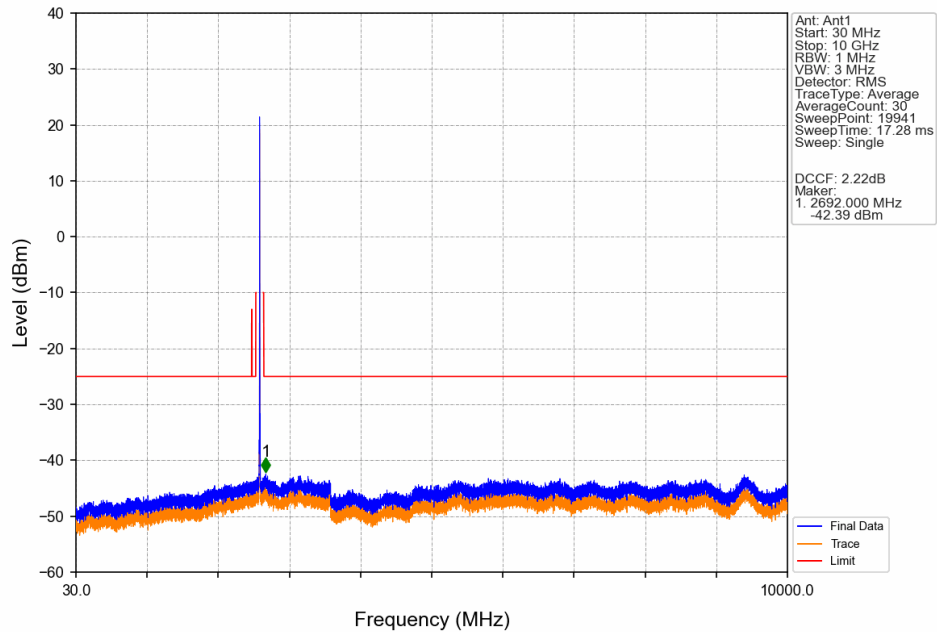
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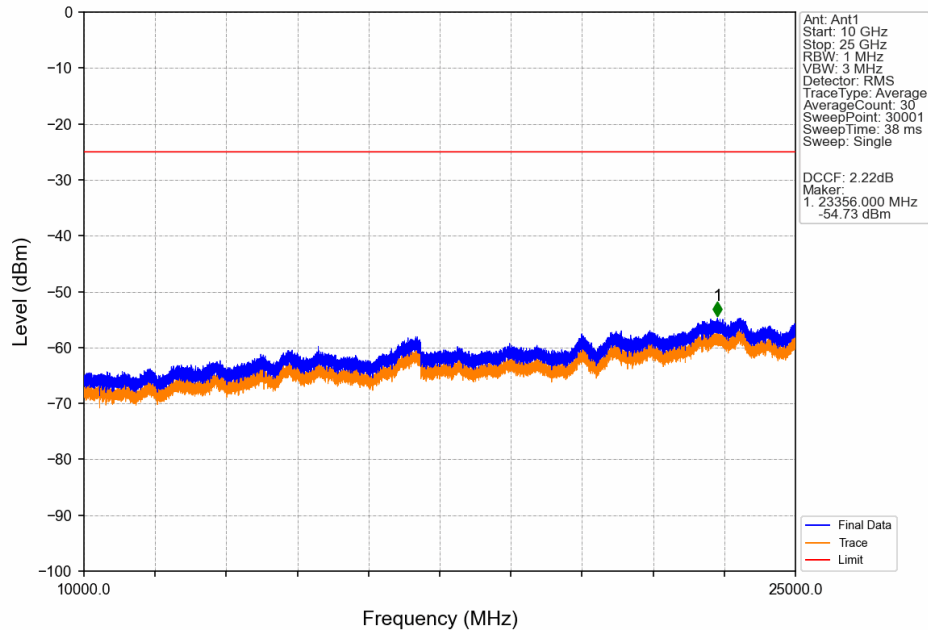
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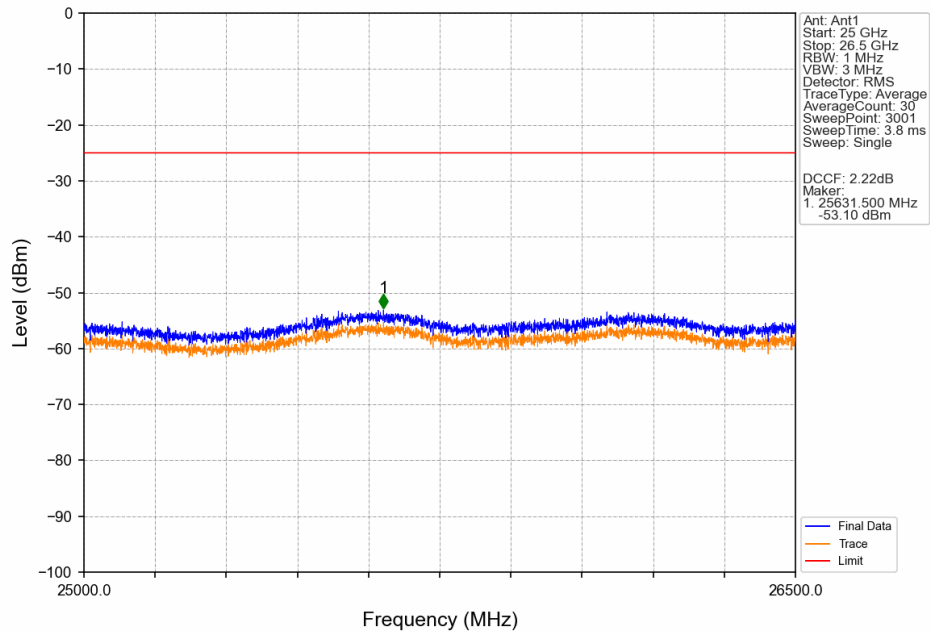
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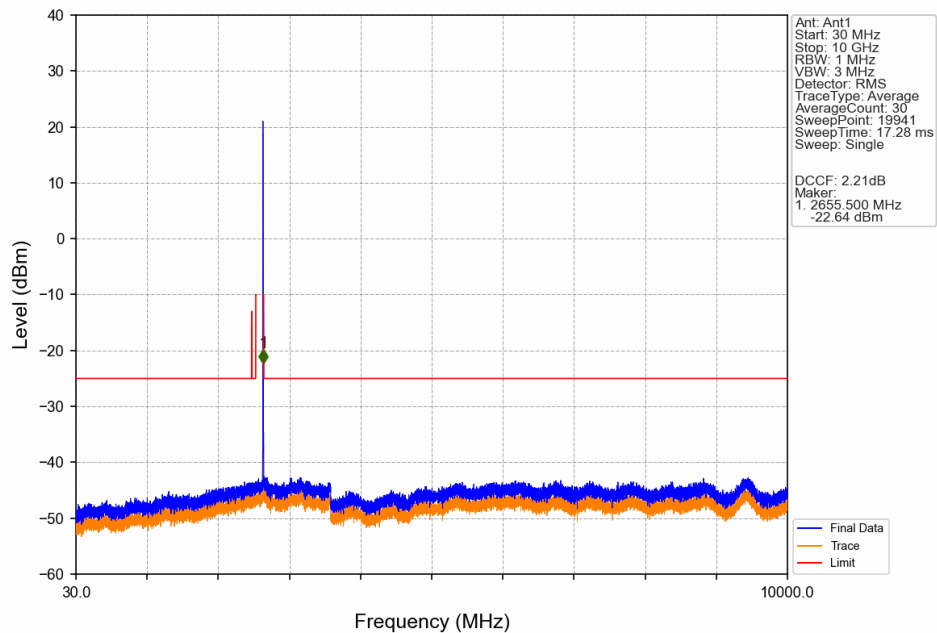
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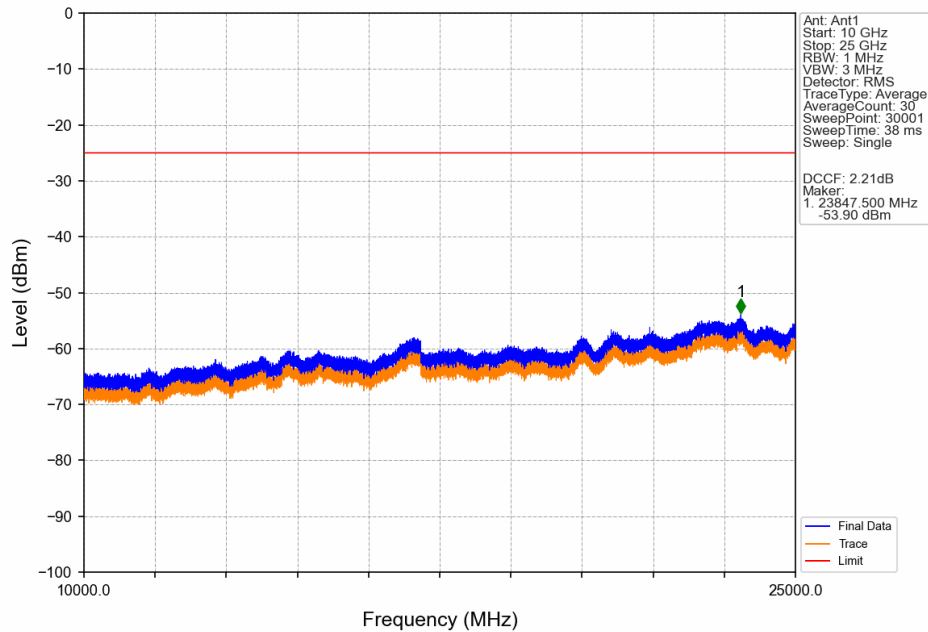
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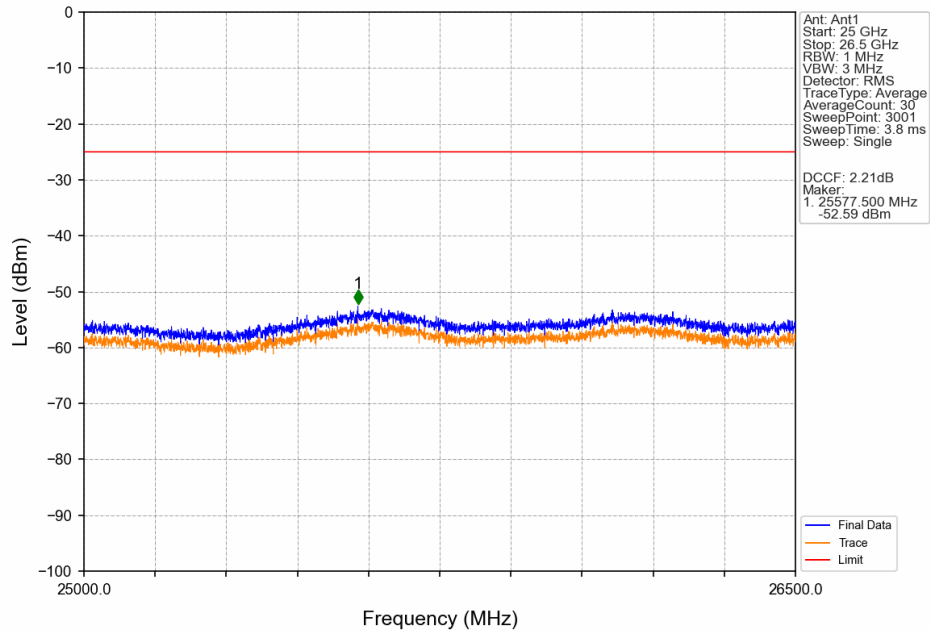


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Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_1\_24\_NTNV



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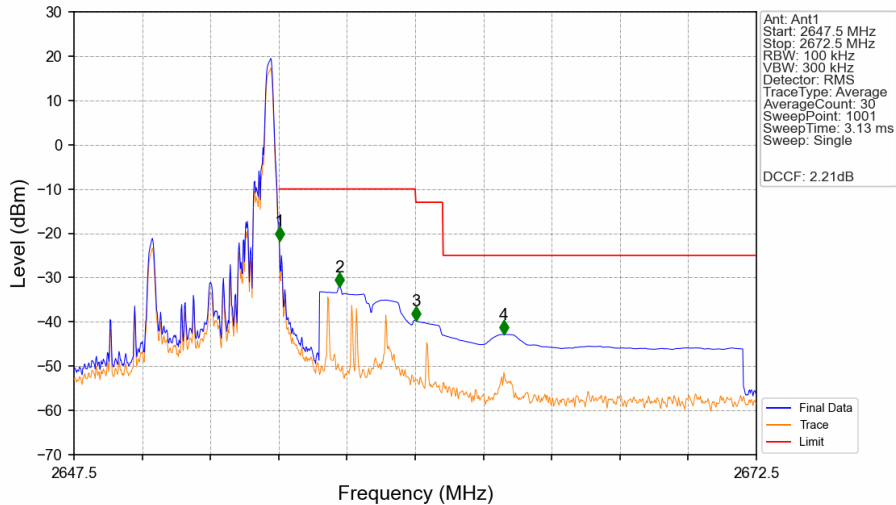
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2647.5	2655	0.1	/	/	/	/	/	/
2655	2656	0.1	/	1	2655.025	-21.76	-10	Pass
2656	2660	1	CHP	2	2657.225	-32.11	-10	Pass
2660	2661	1	CHP	3	2660.025	-39.75	-13	Pass
2661	2672.5	1	CHP	4	2663.250	-42.84	-25	Pass



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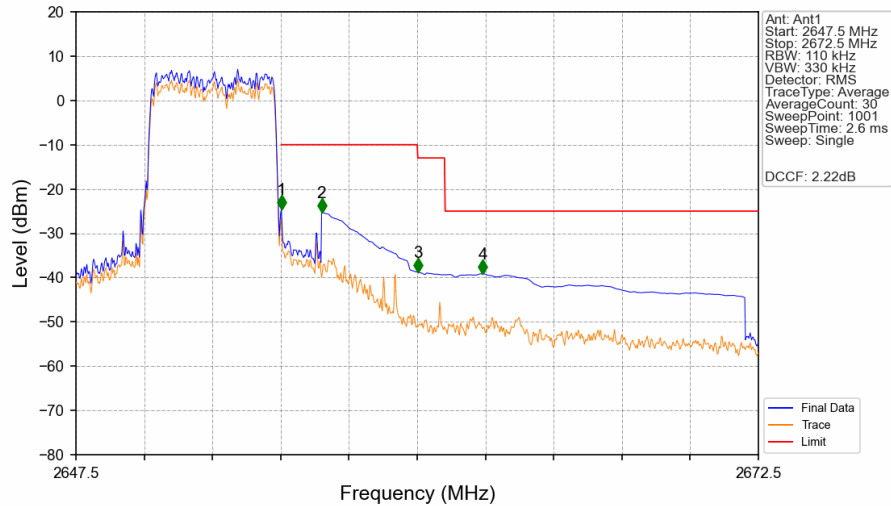
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### Band41\_5MHz\_QPSK\_HCH\_2652.5MHz\_RB\_25\_0\_NTNV



### Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



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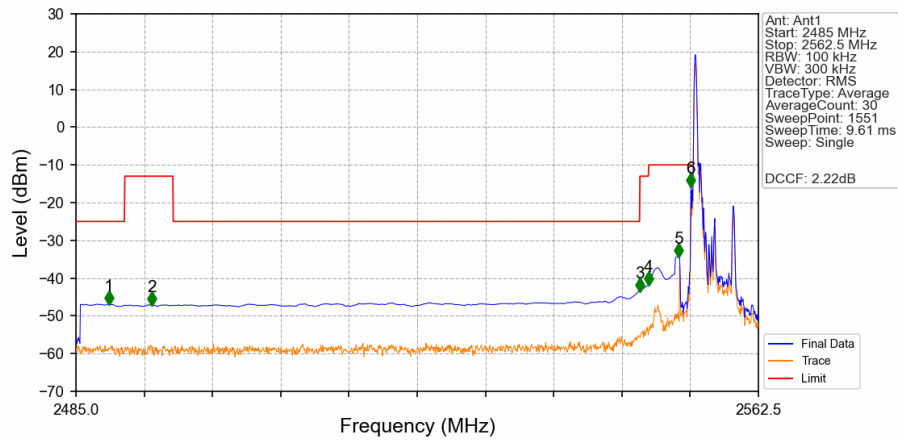
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.750	-46.87	-25	Pass
2490.5	2496	1	CHP	2	2493.650	-46.99	-13	Pass
2496	2549	1	CHP	3	2549.000	-43.43	-25	Pass
2549	2550	1	CHP	4	2550.000	-41.72	-13	Pass
2550	2554	1	CHP	5	2553.450	-34.23	-10	Pass
2554	2555	0.1	/	6	2554.850	-15.60	-10	Pass
2555	2562.5	0.1	/	/	/	/	/	/



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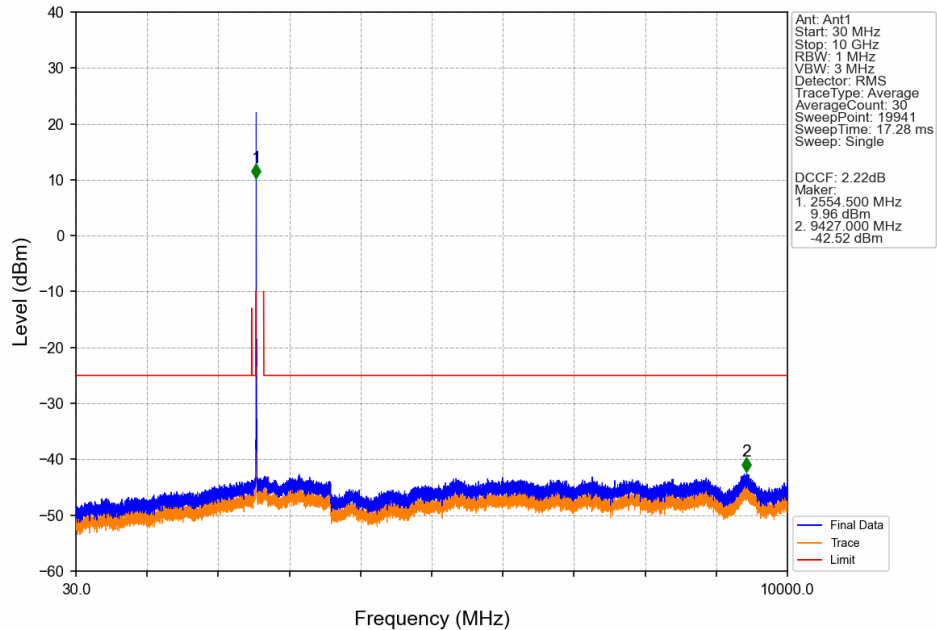
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Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2557.5MHz\_RB\_1\_0\_NTNV



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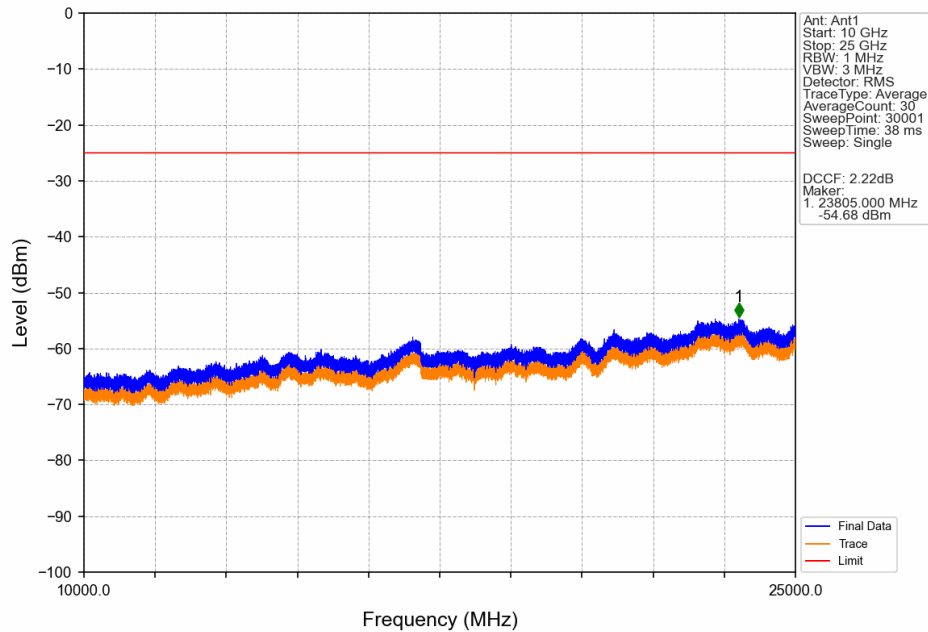
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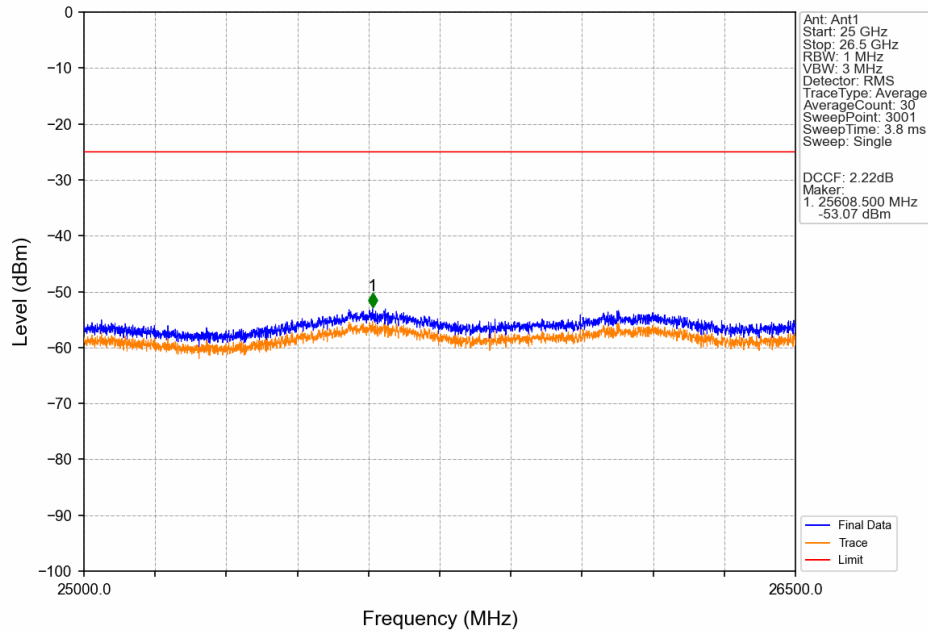


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