

Report No.: SEWA2204000008RG01

Rev.: 01

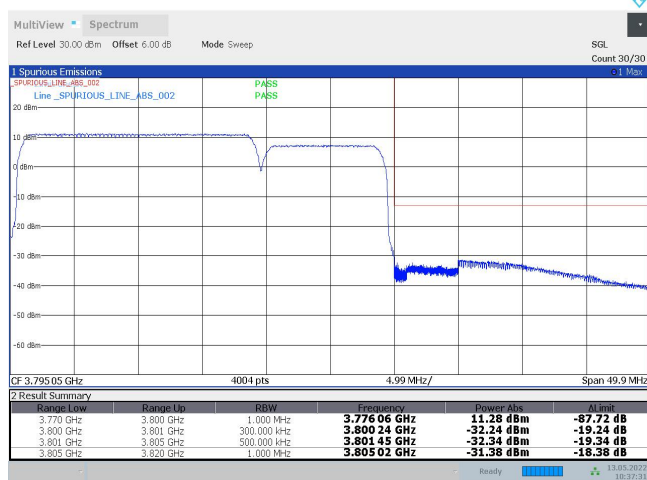
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43-43-20MHz-10MHz-QPSK-QPSK-45391-45535-0RB#0-1RB#49



10:35:55 13.05.2022

43-43-20MHz-10MHz-QPSK-QPSK-45391-45535-100RB#0-50RB#0



10:37:32 13.05.2022



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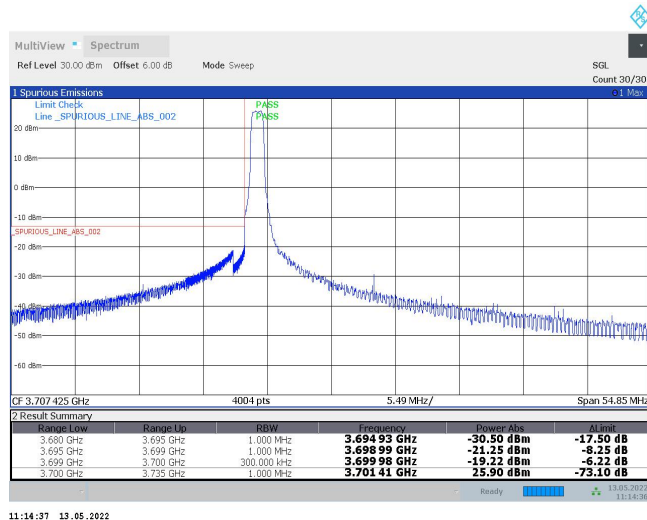
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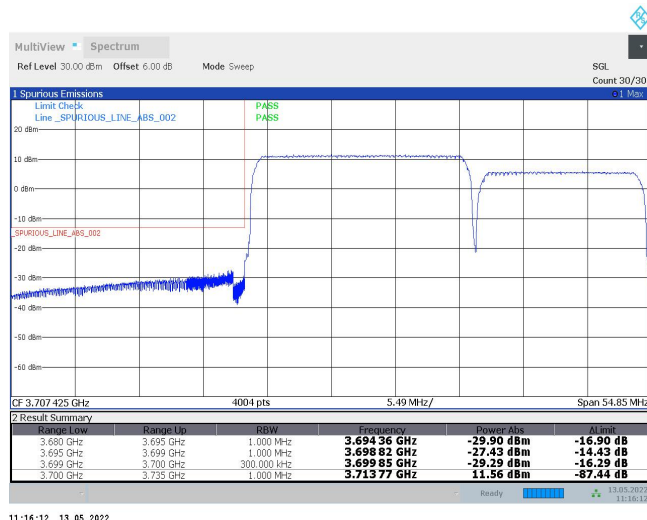
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43-43-20MHz-15MHz-QPSK-QPSK-45341-45512-1RB#0-0RB#0



11:14:37 13.05.2022

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11:16:12 13.05.2022



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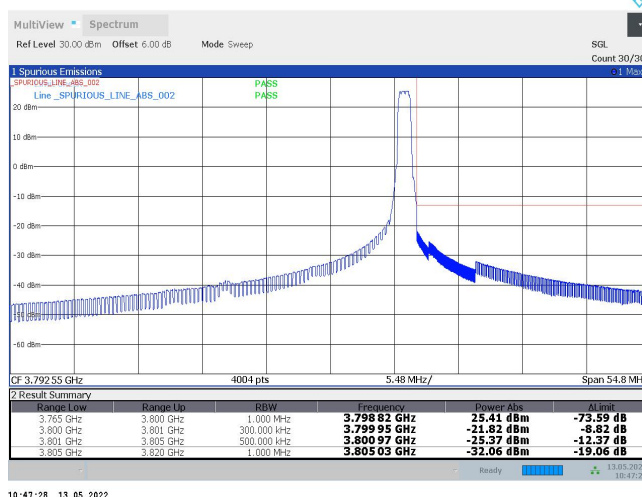
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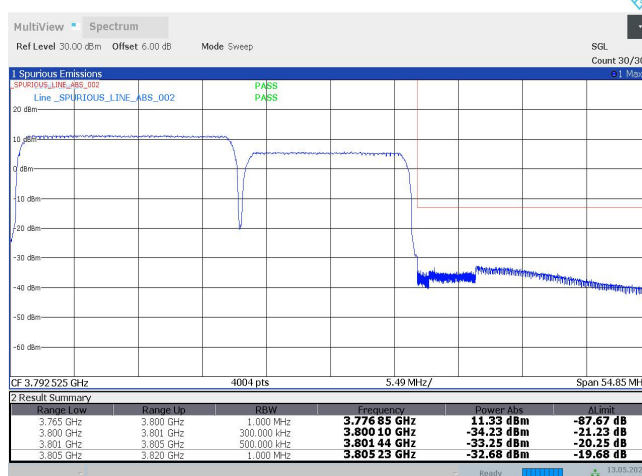
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43-43-20MHz-15MHz-QPSK-QPSK-45341-45512-0RB#0-1RB#74



10:47:28 13.05.2022

43-43-20MHz-15MHz-QPSK-QPSK-45341-45512-100RB#0-75RB#0



10:49:04 13.05.2022



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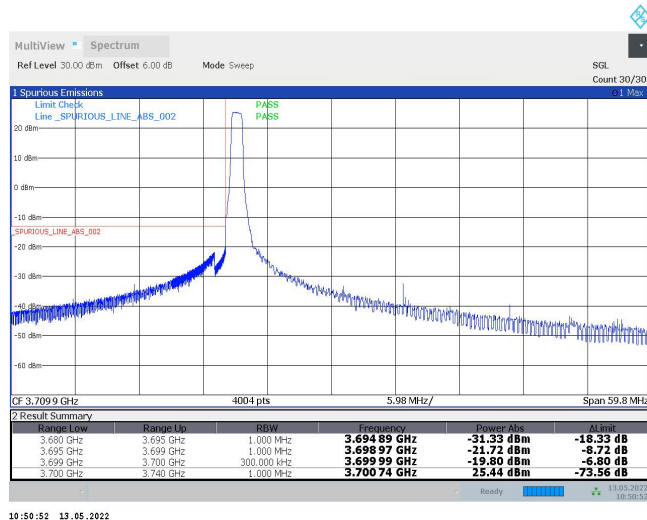
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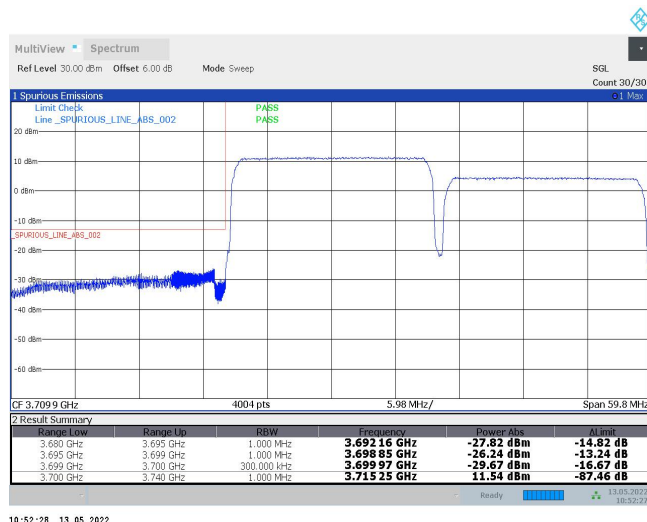
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43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0



43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-100RB#0-100RB#0



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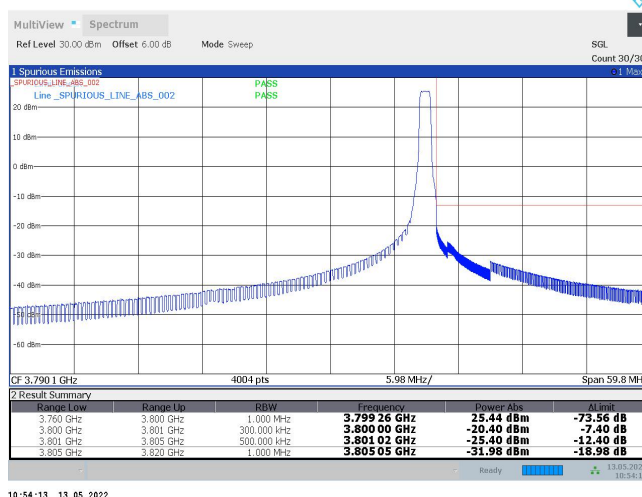
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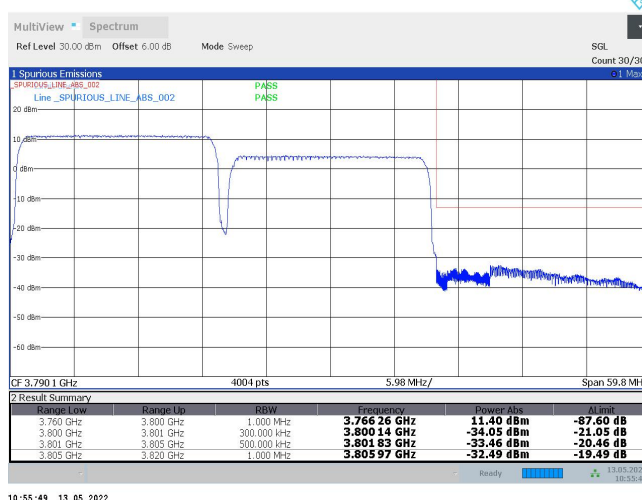
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43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-0RB#0-1RB#99



43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-100RB#0-100RB#0



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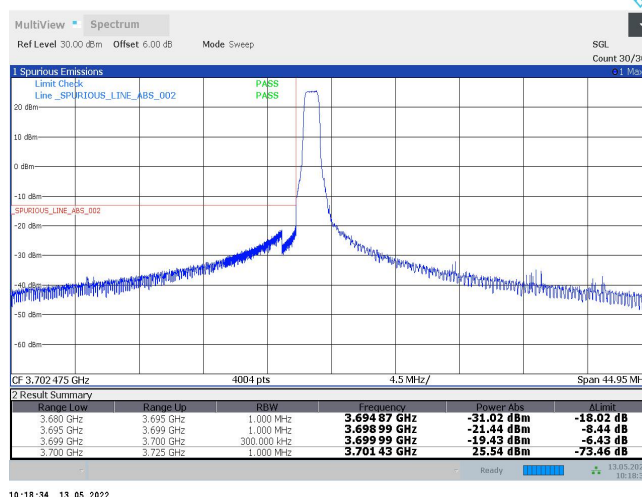
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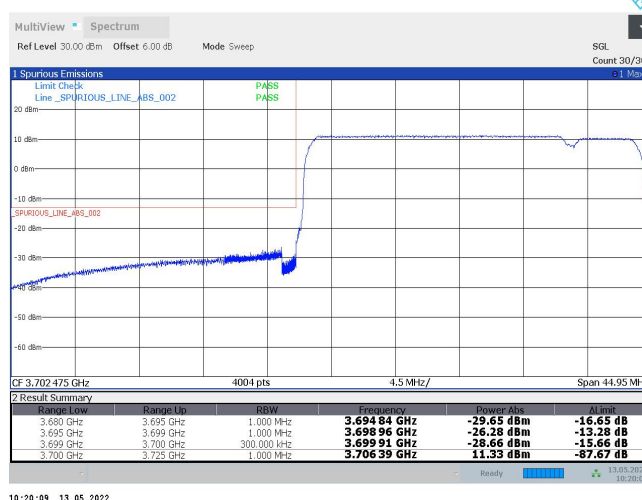
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43-43-20MHz-5MHz-QPSK-QPSK-44690-44807-1RB#0-0RB#0



43-43-20MHz-5MHz-QPSK-QPSK-44690-44807-100RB#0-25RB#0



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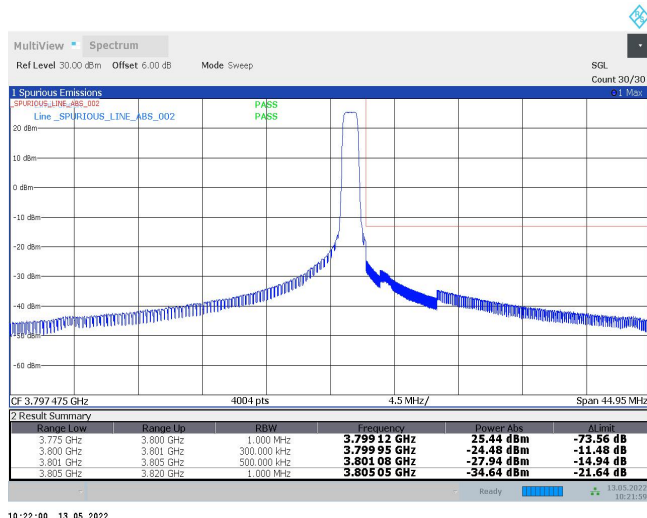
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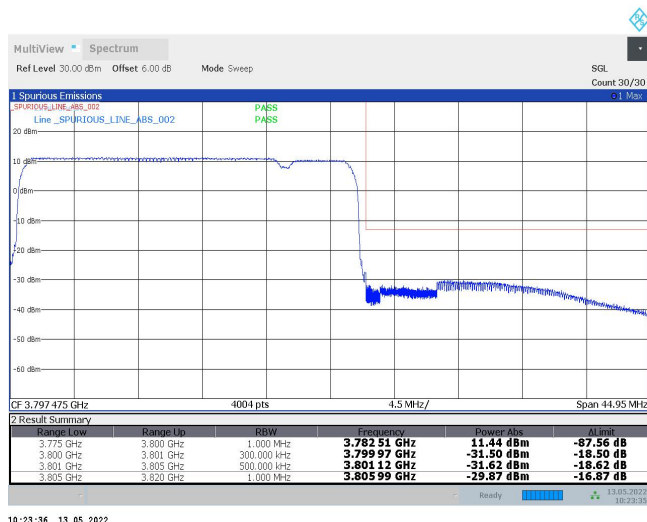
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43-43-20MHz-5MHz-QPSK-QPSK-45440-45557-0RB#0-1RB#24



43-43-20MHz-5MHz-QPSK-QPSK-45440-45557-100RB#0-25RB#0



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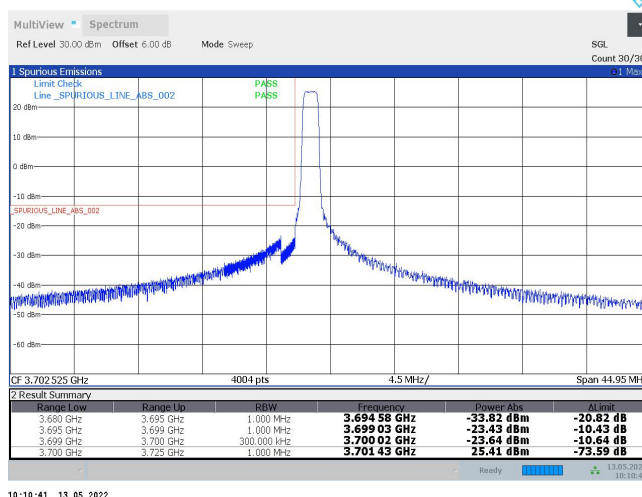
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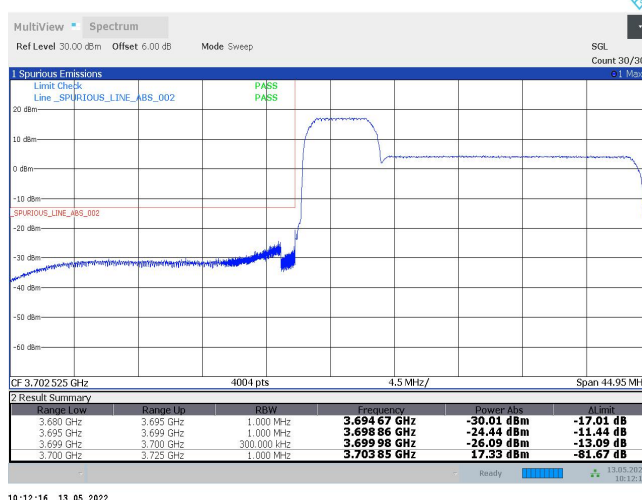
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43-43-5MHz-20MHz-QPSK-QPSK-44623-44740-1RB#0-0RB#0



43-43-5MHz-20MHz-QPSK-QPSK-44623-44740-25RB#0-100RB#0



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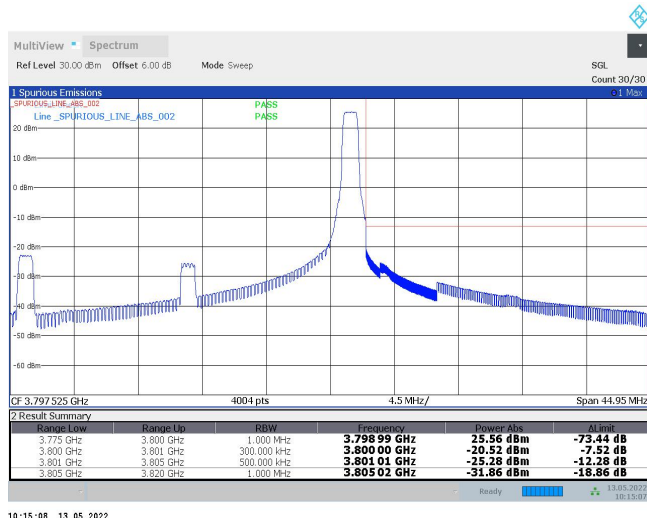
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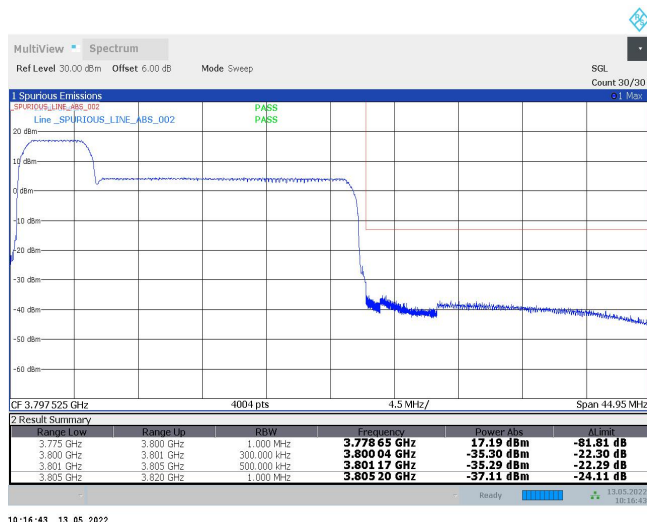
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43-43-5MHz-20MHz-QPSK-QPSK-45373-45490-0RB#0-1RB#99



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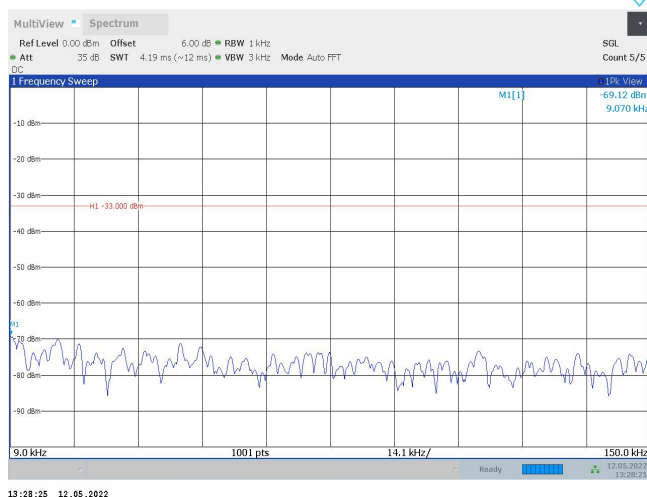
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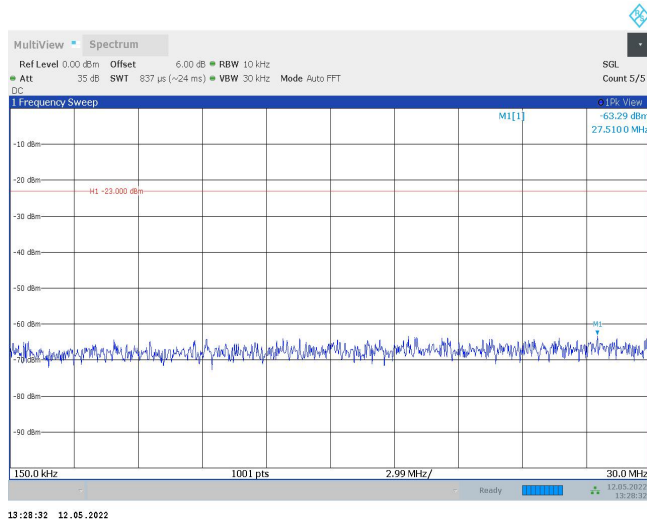
Conducted Spurious Emission

Test Graphs

43-43-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.009~0.15MHz



43-43-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-0.15~30MHz



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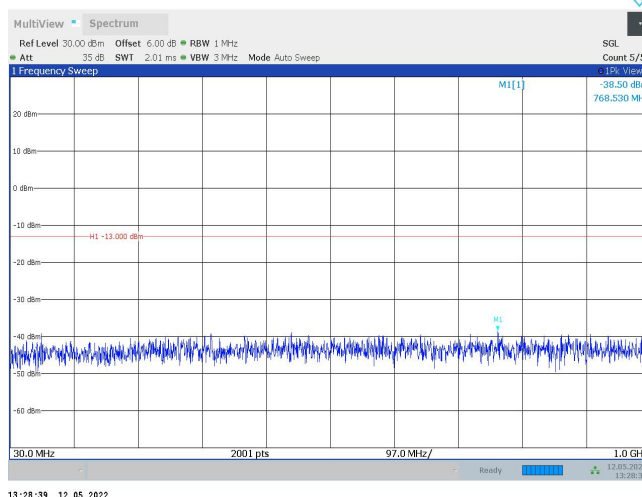
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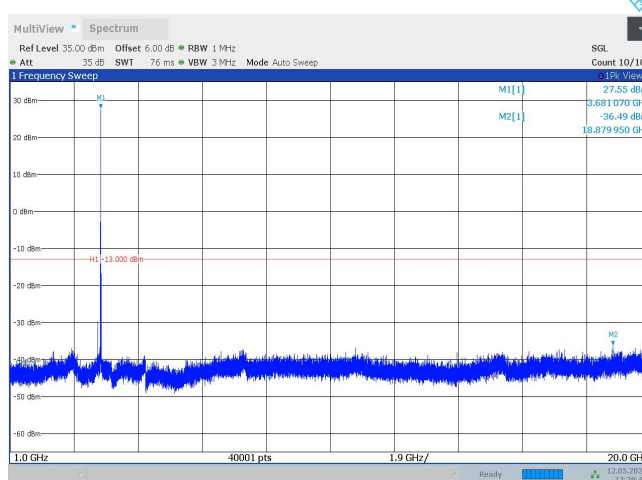
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43-43-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-30~1000MHz



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43-43-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-1000~20000MHz



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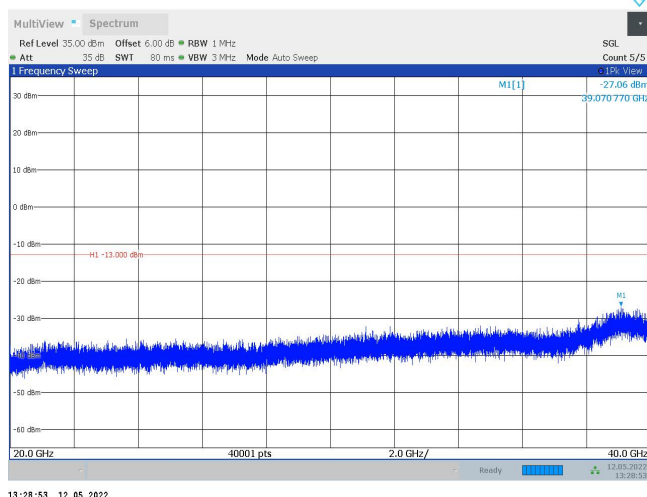
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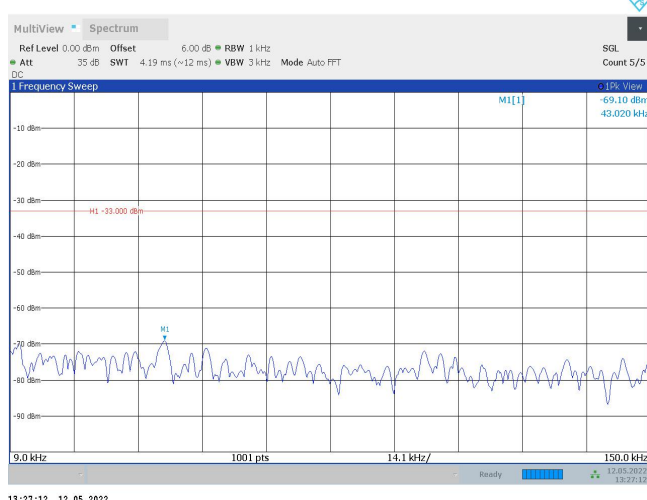
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43-43-20MHz-20MHz-QPSK-QPSK-44491-44689-1RB#0-0RB#0-20000~40000MHz



43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.009~0.15MHz



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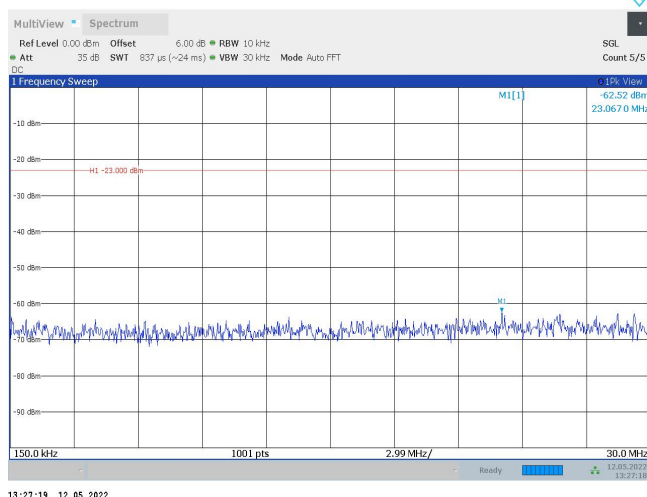
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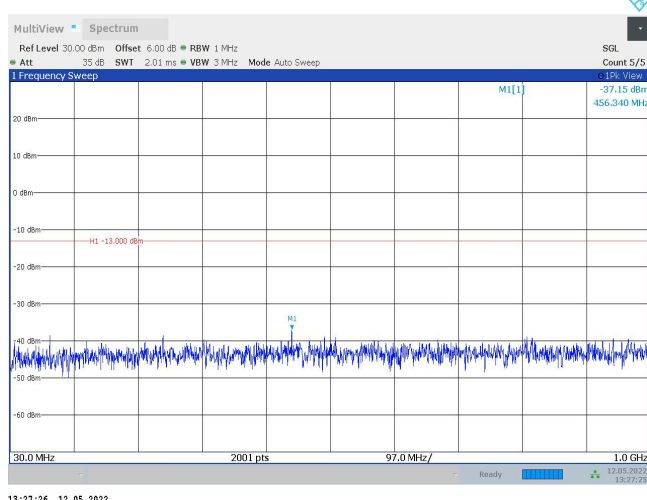
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43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-0.15~30MHz



43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-30~1000MHz



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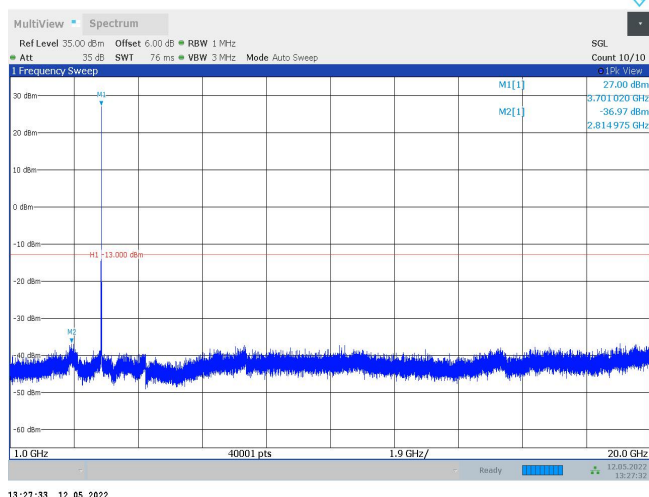
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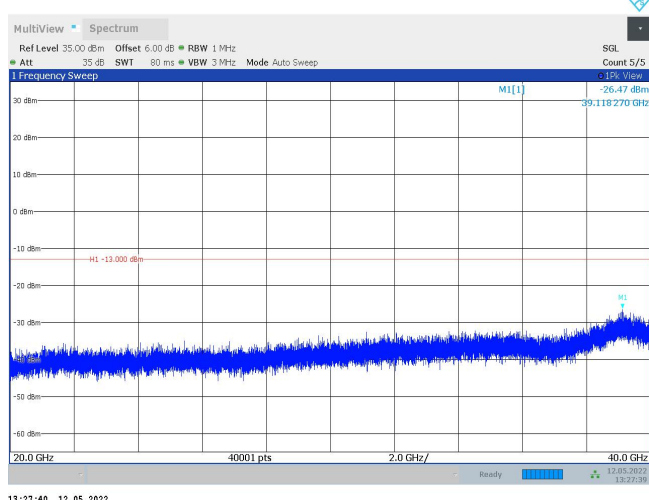
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43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-1000~20000MHz



43-43-20MHz-20MHz-QPSK-QPSK-44690-44888-1RB#0-0RB#0-20000~40000MHz



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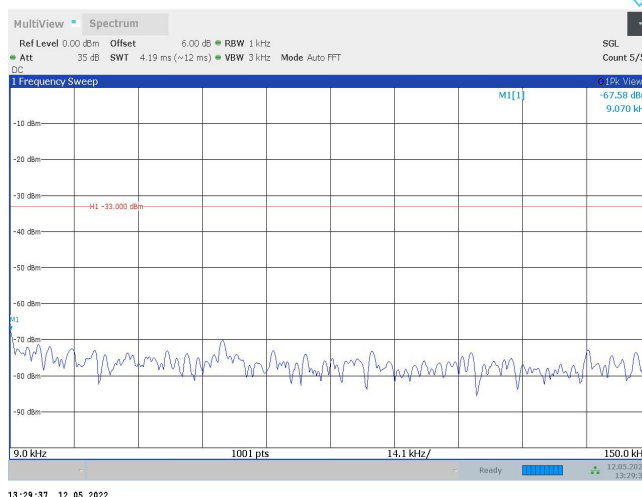
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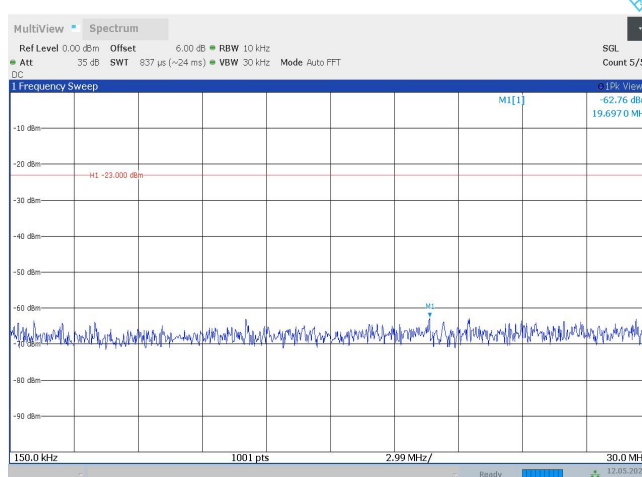
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43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.009~0.15MHz



13:29:37 12.05.2022

43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-0.15~30MHz



13:29:44 12.05.2022



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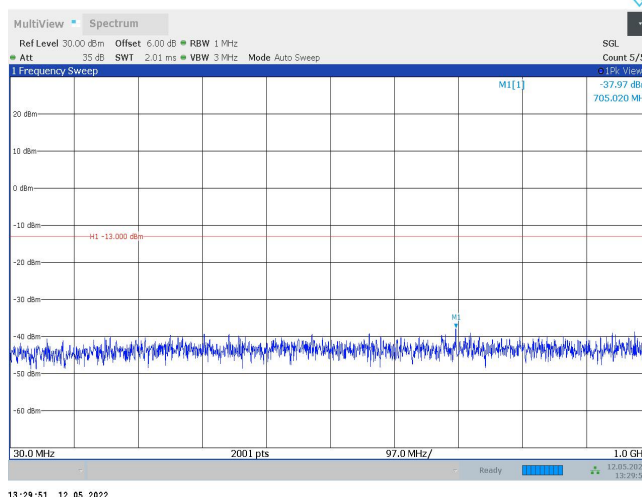
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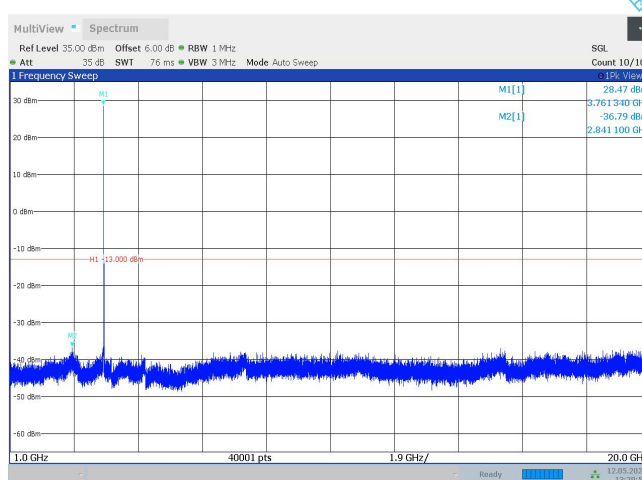
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43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-30~1000MHz



13:29:51 12.05.2022

43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-1000~20000MHz



13:29:58 12.05.2022



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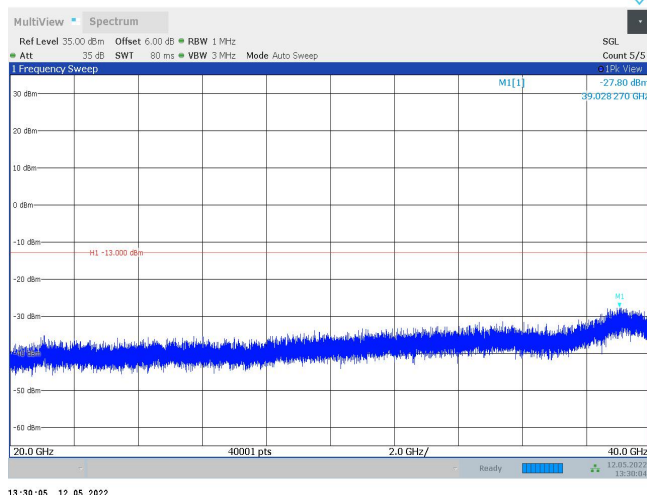
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43-43-20MHz-20MHz-QPSK-QPSK-45292-45490-1RB#0-0RB#0-20000~40000MHz



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Field Strength of Spurious Radiation

Test Band = UL CA Band 43C 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6418.5	53.36	-102.57	-49.21	-13.00	36.21	263	186	Horizontal
2	7402.18	48.67	-100.80	-52.13	-13.00	39.13	251	14	Horizontal
3	9283.8333	50.22	-95.05	-44.83	-13.00	31.83	142	282	Horizontal
4	11103.27	43.25	-90.92	-47.67	-13.00	34.67	284	6	Horizontal
5	14804.36	41.50	-89.75	-48.25	-13.00	35.25	176	267	Horizontal
6	17847.1667	42.46	-84.29	-41.83	-13.00	28.83	222	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6424.3333	52.84	-102.58	-49.74	-13.00	36.74	175	172	Vertical
2	7402	55.79	-100.80	-45.01	-13.00	32.01	263	39	Vertical
3	9318.8333	50.04	-94.94	-44.90	-13.00	31.90	254	93	Vertical
4	11103.27	42.66	-90.92	-48.26	-13.00	35.26	184	25	Vertical
5	13028.8333	45.94	-90.44	-44.50	-13.00	31.50	177	268	Vertical
6	14804.36	41.44	-89.75	-48.31	-13.00	35.31	156	93	Vertical



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Test Band = UL CA Band 43C 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5915.6667	52.62	-104.31	-51.69	-13.00	38.69	263	1	Horizontal
2	7462.38	49.76	-100.52	-50.76	-13.00	37.76	284	308	Horizontal
3	9297.8333	49.98	-95.08	-45.10	-13.00	32.10	176	215	Horizontal
4	11193.57	43.32	-90.93	-47.61	-13.00	34.61	251	215	Horizontal
5	14924.76	41.36	-90.22	-48.86	-13.00	35.86	142	334	Horizontal
6	17863.5	43.72	-84.28	-40.56	-13.00	27.56	288	321	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6158.3333	51.18	-103.08	-51.90	-13.00	38.90	263	227	Vertical
2	7462.38	54.30	-100.52	-46.22	-13.00	33.22	285	50	Vertical
3	9327	49.72	-94.88	-45.16	-13.00	32.16	265	347	Vertical
4	11193.57	44.42	-90.93	-46.51	-13.00	33.51	241	347	Vertical
5	14924.76	41.70	-90.22	-48.52	-13.00	35.52	177	38	Vertical
6	17864.6667	42.58	-84.28	-41.70	-13.00	28.70	186	50	Vertical



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Test Band = UL CA Band 43C 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6417.3333	52.52	-102.57	-50.05	-13.00	37.05	142	199	Horizontal
2	7522.58	49.86	-100.22	-50.36	-13.00	37.36	286	347	Horizontal
3	9315.3333	49.72	-94.97	-45.25	-13.00	32.25	255	174	Horizontal
4	11283.87	42.74	-91.12	-48.38	-13.00	35.38	144	357	Horizontal
5	15045.16	42.57	-90.30	-47.73	-13.00	34.73	163	279	Horizontal
6	17846	43.07	-84.29	-41.22	-13.00	28.22	255	266	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6670.5	52.93	-101.95	-49.02	-13.00	36.02	263	52	Vertical
2	7522.58	54.09	-100.22	-46.13	-13.00	33.13	285	320	Vertical
3	9308.3333	49.52	-95.02	-45.50	-13.00	32.50	263	158	Vertical
4	11283.87	44.17	-91.12	-46.95	-13.00	33.95	255	0	Vertical
5	15045.16	44.17	-90.30	-46.13	-13.00	33.13	144	357	Vertical
6	17863.5	43.30	-84.28	-40.98	-13.00	27.98	185	64	Vertical



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VH	NT	31.50	0.008536	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VL	NT	37.10	0.010054	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	VN	NT	36.90	0.010000	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	50	40.60	0.011002	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	40	44.00	0.011924	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	30	44.60	0.012086	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	20	40.70	0.011030	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	10	50.80	0.013767	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	0	45.70	0.012384	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-10	43.50	0.011788	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-20	38.10	0.010325	PASS
43-43	20MHz-20MHz	QPSK-QPSK	44491-44689	100RB#0-100RB#0	NV	-30	40.80	0.011057	PASS

The End



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