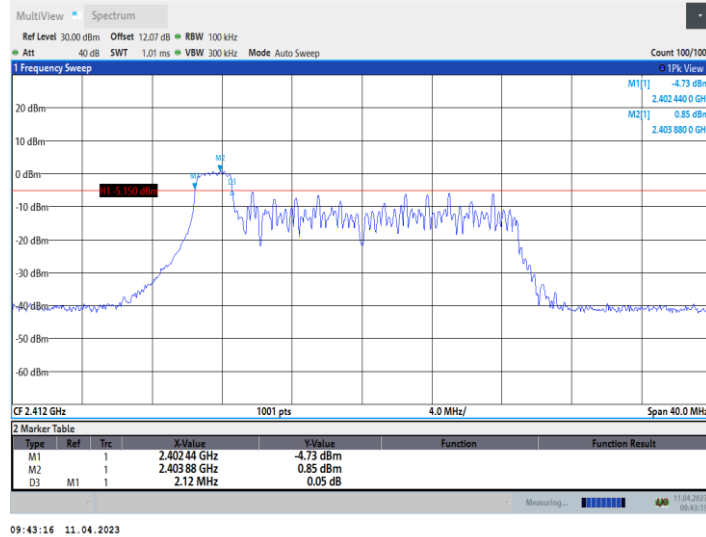
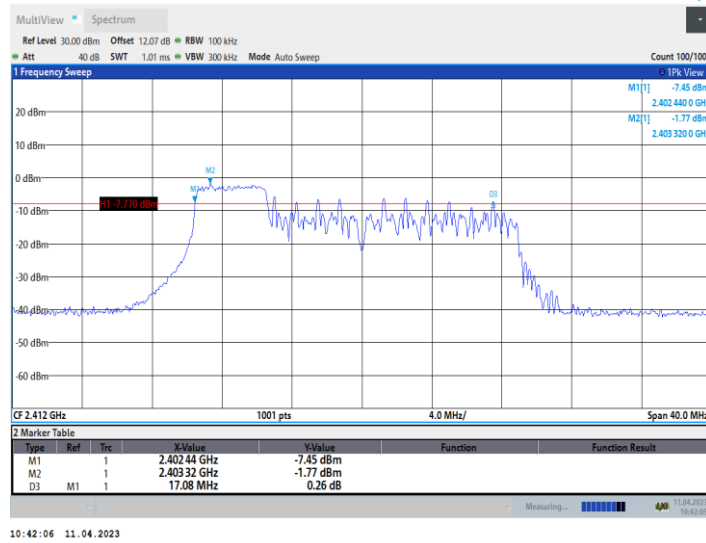


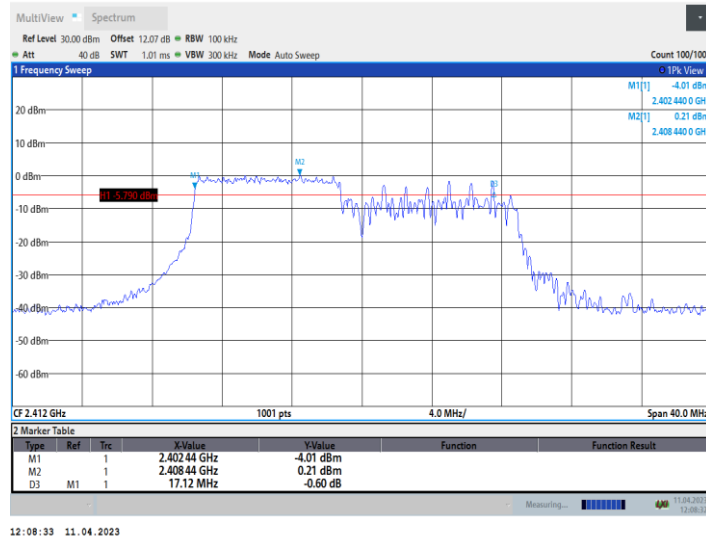
11AX20_Ant10_2412_26Tone_RU0



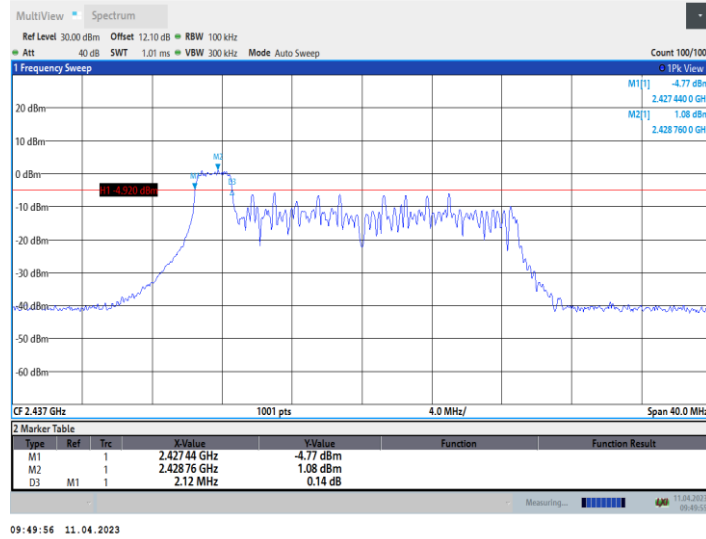
11AX20_Ant10_2412_52Tone_RU37



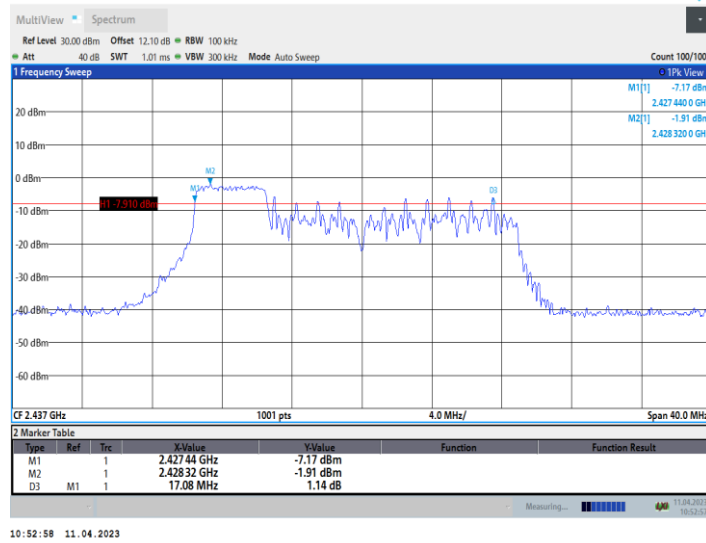
11AX20_Ant10_2412_106Tone_RU53



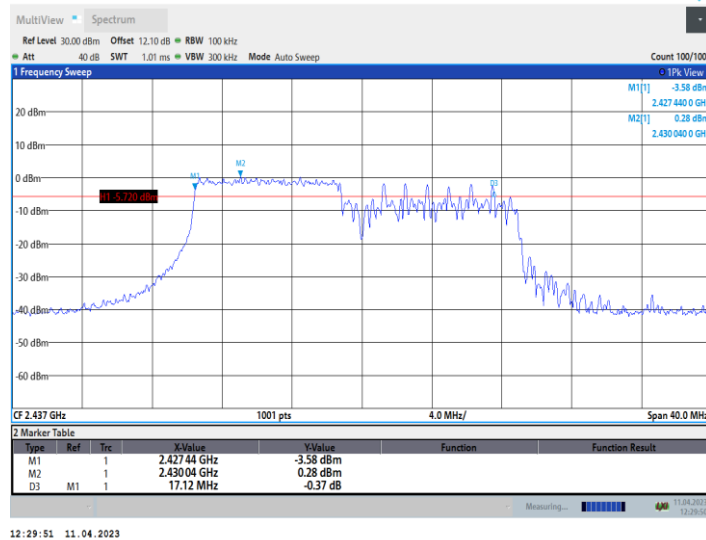
11AX20_Ant10_2437_26Tone_RU0



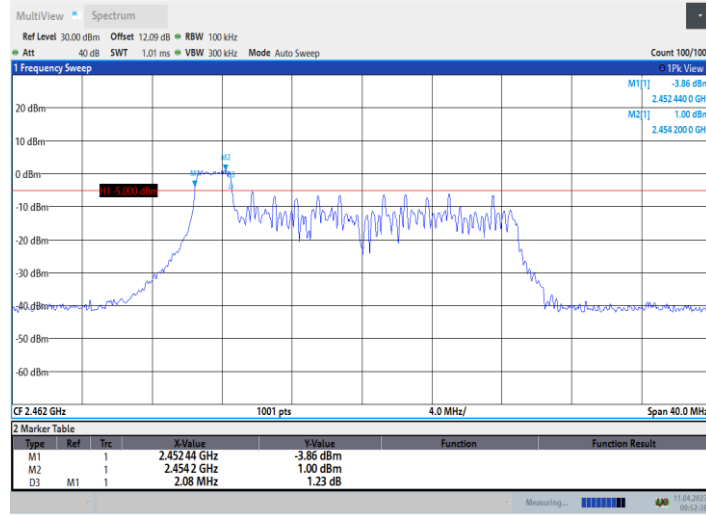
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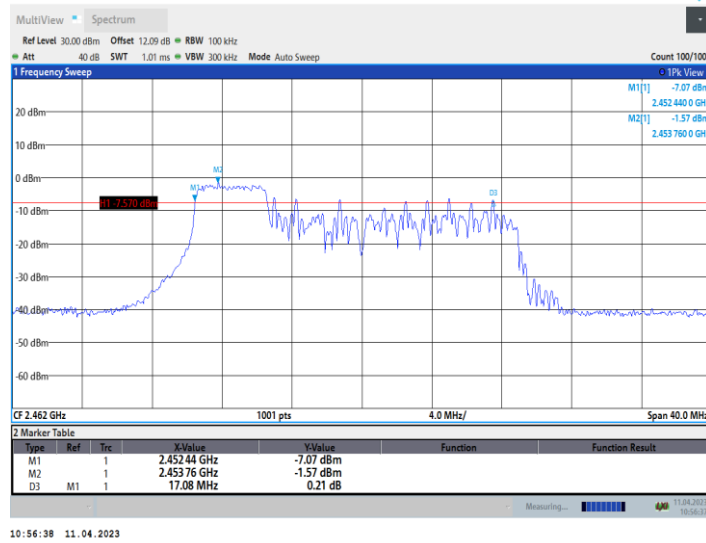
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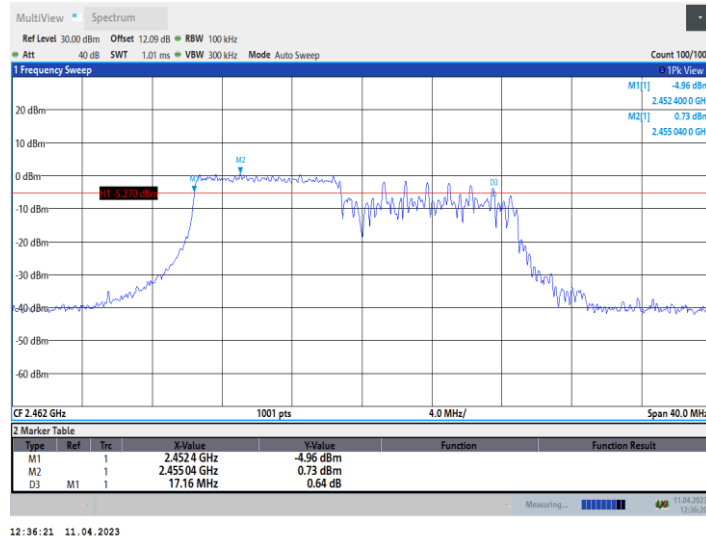
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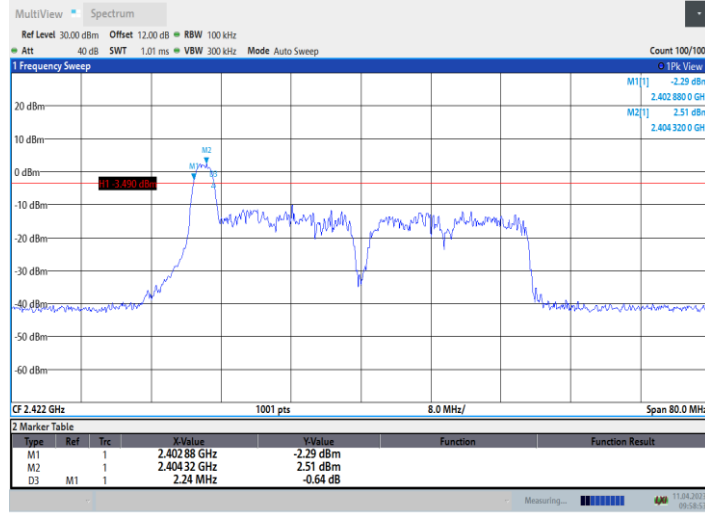
11AX20_Ant10_2462_52Tone_RU37



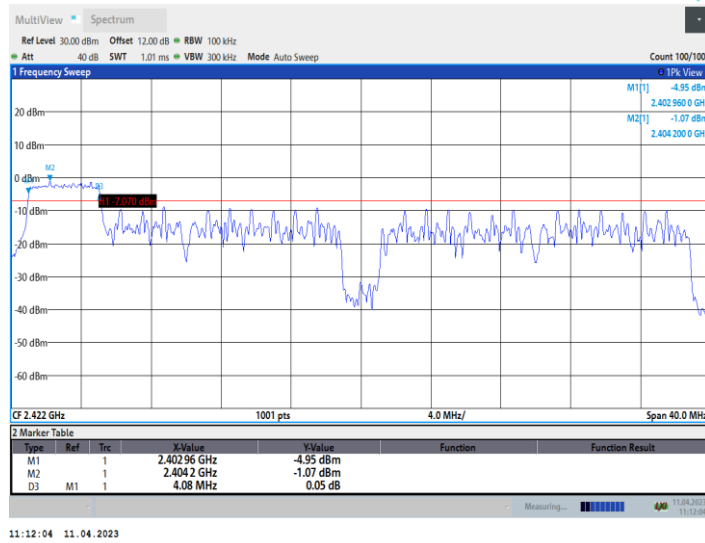
11AX20_Ant10_2462_106Tone_RU53



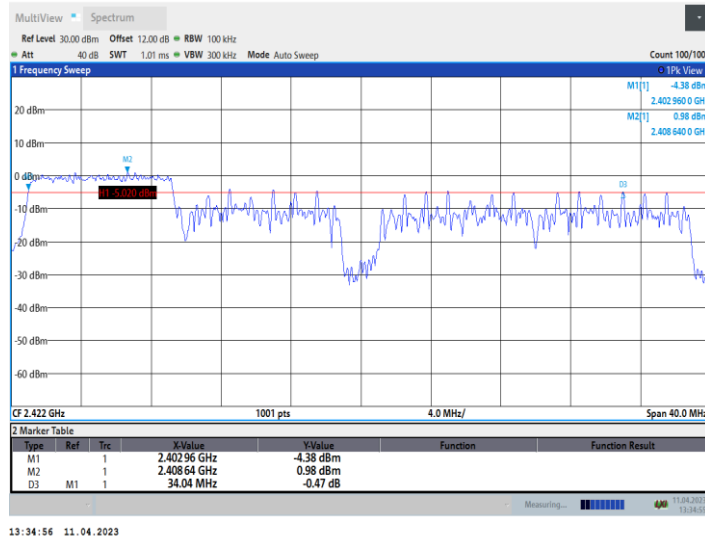
11AX40_Ant10_2422_26Tone_RU0



11AX40_Ant10_2422_52Tone_RU37



11AX40_Ant10_2422_106Tone_RU53

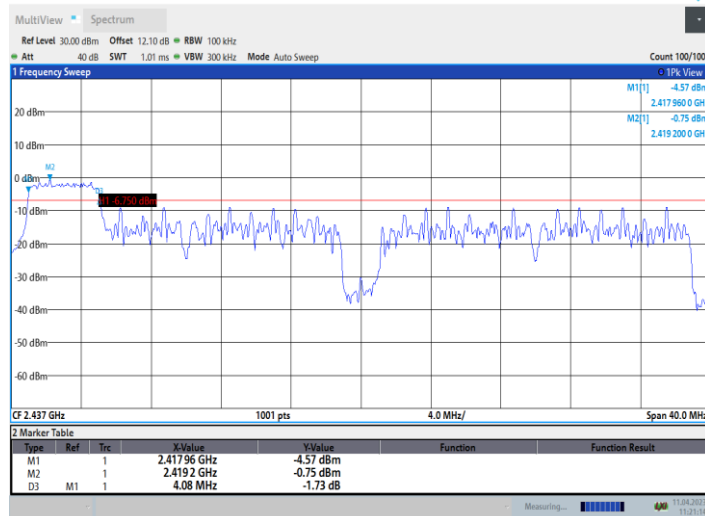


11AX40_Ant10_2437_26Tone_RU0



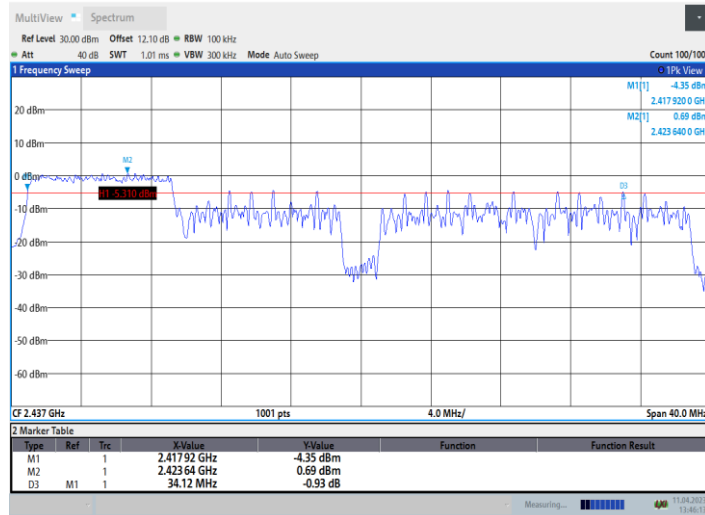
10:04:48 11.04.2023

11AX40_Ant10_2437_52Tone_RU37



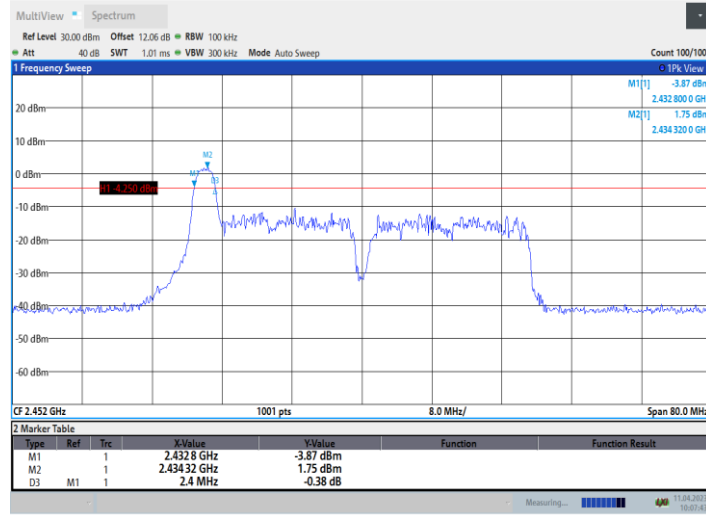
11:21:14 11.04.2023

11AX40_Ant10_2437_106Tone_RU53



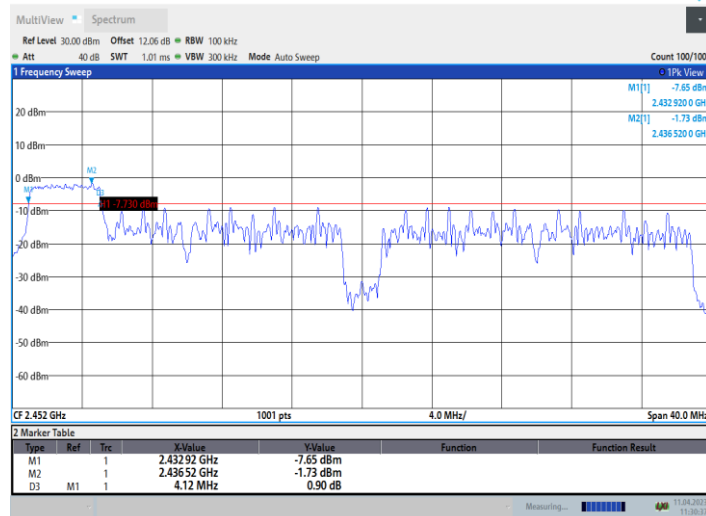
13:46:14 11.04.2023

11AX40_Ant10_2452_26Tone_RU0



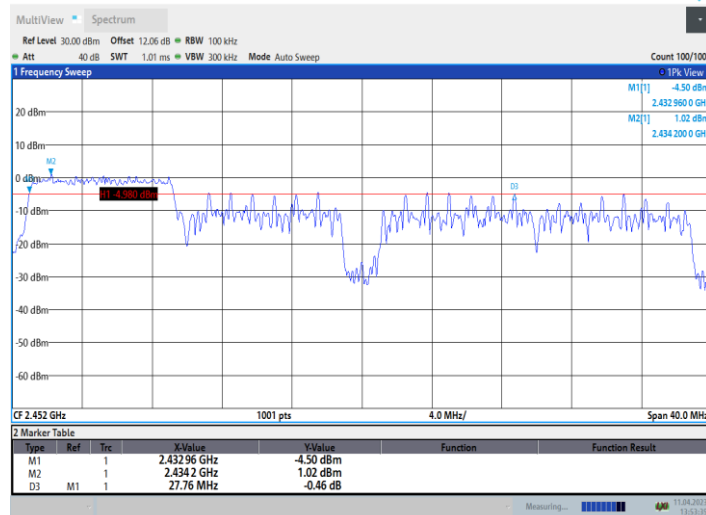
10:07:43 11.04.2023

11AX40_Ant10_2452_52Tone_RU37



11:30:38 11.04.2023

11AX40_Ant10_2452_106Tone_RU53



13:53:36 11.04.2023

7. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

7.1. LIMITS OF Maximum Conducted Output Power Measurement

CFR 47 (FCC) part 15.247 (b) (3)

7.2. TEST PROCEDURE

ANSI C63.10-2013 Clause 11.9

The following procedure can be used when the maximum available RBW of the instrument is less than the DTS bandwidth:

DTS bandwidth:

- a) Set the RBW = 1 MHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Set the span $\geq [1.5 \times \text{DTS bandwidth}]$.
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

7.3. TEST SETUP



7.4. TEST DATA

Maximum Conducted Output Power

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Power Limit[dBm]	Antenna Gain[dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant9	2412	17.94	≤30.00	0.5	18.44	≤36.00	PASS
		2437	18.85	≤30.00	0.5	19.35	≤36.00	PASS
		2462	18.62	≤30.00	0.5	19.12	≤36.00	PASS
11G	Ant9	2412	23.52	≤30.00	0.5	24.02	≤36.00	PASS
		2437	24.03	≤30.00	0.5	24.53	≤36.00	PASS
		2462	22.31	≤30.00	0.5	22.81	≤36.00	PASS
11N20	Ant9	2412	20.77	≤30.00	0.5	21.27	≤36.00	PASS
		2437	22.53	≤30.00	0.5	23.03	≤36.00	PASS
		2462	20.61	≤30.00	0.5	21.11	≤36.00	PASS
11N40	Ant9	2422	21.39	≤30.00	0.5	21.89	≤36.00	PASS
		2437	23.69	≤30.00	0.5	24.19	≤36.00	PASS
		2452	19.14	≤30.00	0.5	19.64	≤36.00	PASS
11AC20	Ant9	2412	22.70	≤30.00	0.5	23.20	≤36.00	PASS
		2437	22.80	≤30.00	0.5	23.30	≤36.00	PASS
		2462	20.63	≤30.00	0.5	21.13	≤36.00	PASS
11AC40	Ant9	2422	23.32	≤30.00	0.5	23.82	≤36.00	PASS
		2437	23.86	≤30.00	0.5	24.36	≤36.00	PASS
		2452	23.47	≤30.00	0.5	23.97	≤36.00	PASS
11AX20	Ant9	2412	21.91	≤30.00	0.5	22.41	≤36.00	PASS
		2437	24.04	≤30.00	0.5	24.54	≤36.00	PASS
		2462	21.23	≤30.00	0.5	21.73	≤36.00	PASS
11AX40	Ant1	2422	21.50	≤30.00	0.5	22.00	≤36.00	PASS
		2437	24.58	≤30.00	0.5	25.08	≤36.00	PASS
		2452	18.66	≤30.00	0.5	19.16	≤36.00	PASS

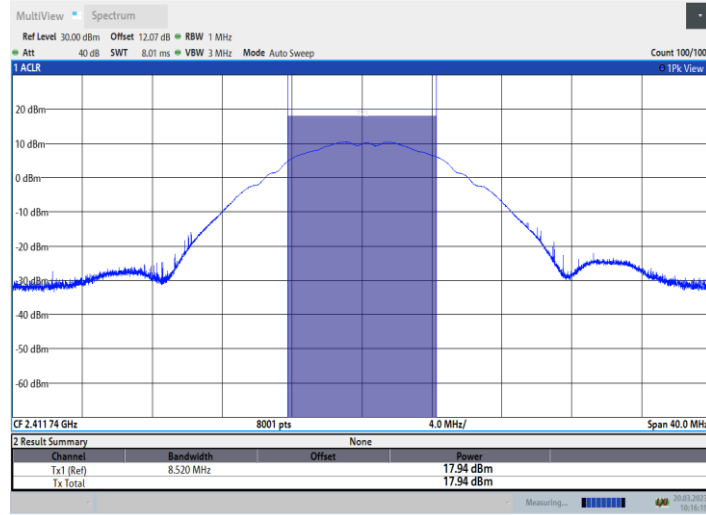
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Power Limit[dBm]	Antenna Gain[dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant9	2412	19.14	≤30.00	-0.5	18.64	≤36.00	PASS
		2437	18.76	≤30.00	-0.5	18.26	≤36.00	PASS
		2462	19.07	≤30.00	-0.5	18.57	≤36.00	PASS
11G	Ant9	2412	19.23	≤30.00	-0.5	18.73	≤36.00	PASS
		2437	18.58	≤30.00	-0.5	18.08	≤36.00	PASS
		2462	22.55	≤30.00	-0.5	22.05	≤36.00	PASS
11N20	Ant9	2412	20.69	≤30.00	-0.5	20.19	≤36.00	PASS
		2437	22.70	≤30.00	-0.5	22.20	≤36.00	PASS
		2462	20.35	≤30.00	-0.5	19.85	≤36.00	PASS
11N40	Ant9	2422	21.50	≤30.00	-0.5	21.00	≤36.00	PASS
		2437	23.39	≤30.00	-0.5	22.89	≤36.00	PASS
		2452	19.15	≤30.00	-0.5	18.65	≤36.00	PASS
11AC20	Ant9	2412	22.81	≤30.00	-0.5	22.31	≤36.00	PASS
		2437	22.55	≤30.00	-0.5	22.05	≤36.00	PASS
		2462	20.54	≤30.00	-0.5	20.04	≤36.00	PASS
11AC40	Ant9	2422	21.25	≤30.00	-0.5	20.75	≤36.00	PASS
		2437	23.44	≤30.00	-0.5	22.94	≤36.00	PASS
		2452	18.83	≤30.00	-0.5	18.33	≤36.00	PASS
11AX20	Ant9	2412	21.94	≤30.00	-0.5	21.44	≤36.00	PASS
		2437	23.75	≤30.00	-0.5	23.25	≤36.00	PASS
		2462	21.17	≤30.00	-0.5	20.67	≤36.00	PASS
11AX40	Ant1	2422	21.85	≤30.00	-0.5	21.35	≤36.00	PASS
		2437	24.01	≤30.00	-0.5	23.51	≤36.00	PASS
		2452	18.60	≤30.00	-0.5	18.10	≤36.00	PASS

TestMode	Frequency[MHz]	Peak Power[dBm]			Conducted Power Limit[dBm]	Directional gain [dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
		Ant9	Ant10	Total (Ant9+Ant10)					
11B-CDD	2412	17.94	19.14	21.59	≤30.00	3.02	24.61	≤36.00	PASS
	2437	18.85	18.76	21.82	≤30.00	3.02	24.84	≤36.00	PASS
	2462	18.62	19.07	21.86	≤30.00	3.02	24.88	≤36.00	PASS
11G-CDD	2412	23.52	19.23	24.89	≤30.00	3.02	27.91	≤36.00	PASS
	2437	24.03	18.58	25.12	≤30.00	3.02	28.14	≤36.00	PASS
	2462	22.31	22.55	25.44	≤30.00	3.02	28.46	≤36.00	PASS
11N20MIMO	2412	20.77	20.69	23.74	≤30.00	3.02	26.76	≤36.00	PASS
	2437	22.53	22.70	25.63	≤30.00	3.02	28.65	≤36.00	PASS
	2462	20.61	20.35	23.49	≤30.00	3.02	26.51	≤36.00	PASS
11N40MIMO	2422	21.39	21.50	24.46	≤30.00	3.02	27.48	≤36.00	PASS
	2437	23.69	23.39	26.55	≤30.00	3.02	29.57	≤36.00	PASS
	2452	19.14	19.15	22.16	≤30.00	3.02	25.18	≤36.00	PASS
11AC20MIMO	2412	22.70	22.81	25.77	≤30.00	3.02	28.79	≤36.00	PASS
	2437	22.80	22.55	25.69	≤30.00	3.02	28.71	≤36.00	PASS
	2462	20.63	20.54	23.60	≤30.00	3.02	26.62	≤36.00	PASS
11AC40MIMO	2422	23.32	21.25	25.42	≤30.00	3.02	28.44	≤36.00	PASS
	2437	23.86	23.44	26.67	≤30.00	3.02	29.69	≤36.00	PASS
	2452	23.47	18.83	24.75	≤30.00	3.02	27.77	≤36.00	PASS
11AX20MIMO	2412	21.91	21.94	24.94	≤30.00	3.02	27.96	≤36.00	PASS
	2437	24.04	23.75	26.91	≤30.00	3.02	29.93	≤36.00	PASS
	2462	21.23	21.17	24.21	≤30.00	3.02	27.23	≤36.00	PASS
11AX40MIMO	2422	21.50	21.85	24.69	≤30.00	3.02	27.71	≤36.00	PASS
	2437	24.58	24.01	27.31	≤30.00	3.02	30.33	≤36.00	PASS
	2452	18.66	18.60	21.64	≤30.00	3.02	24.66	≤36.00	PASS

Per ANSI C63.10-2013 Subclause 14.4.3.

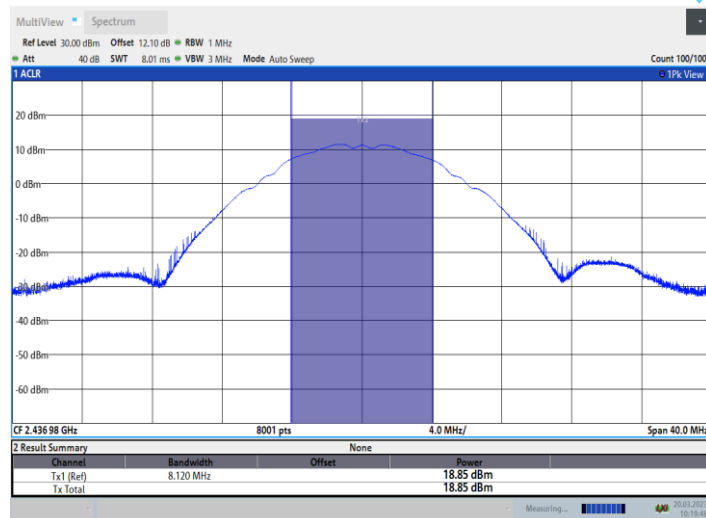
Directional gain = $10\log[(10^{G_1/20}+10^{G_2/20}+\dots+10^{G_N/20})^2/N_{ANT}]$ dBi = 3.02 dBi

11B_Ant9_2412



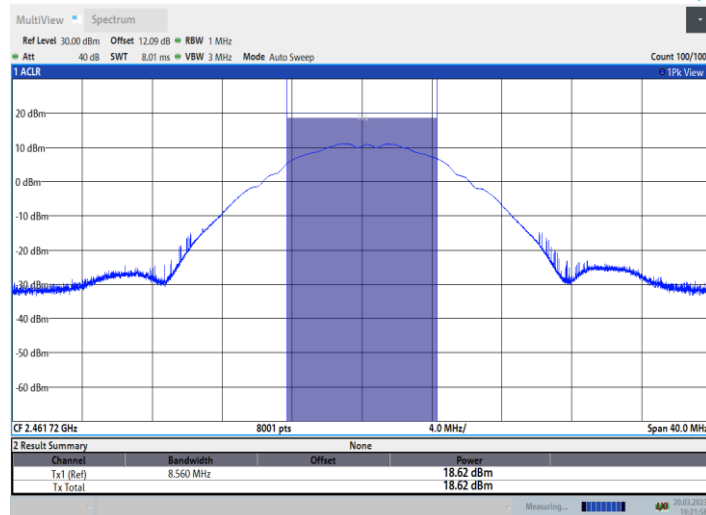
10:16:19 20.03.2023

11B_Ant9_2437



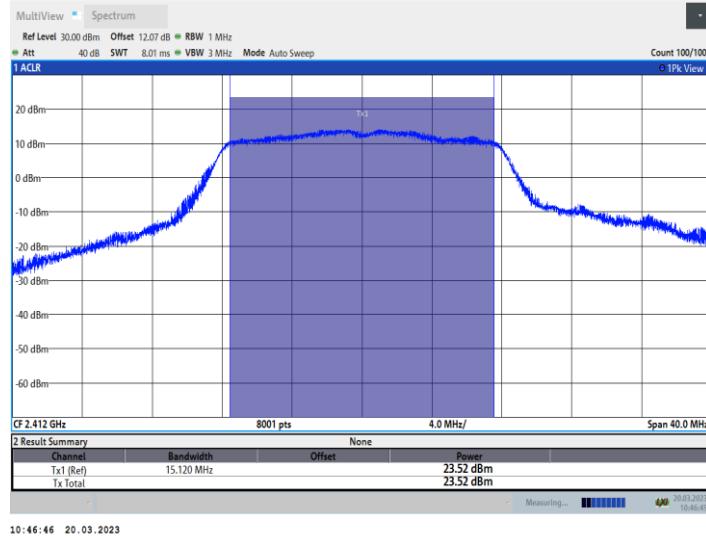
10:19:49 20.03.2023

11B_Ant9_2462

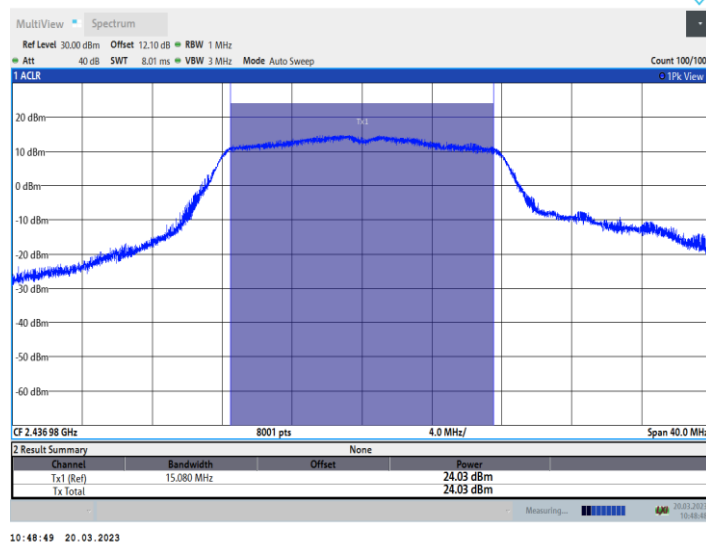


10:21:59 20.03.2023

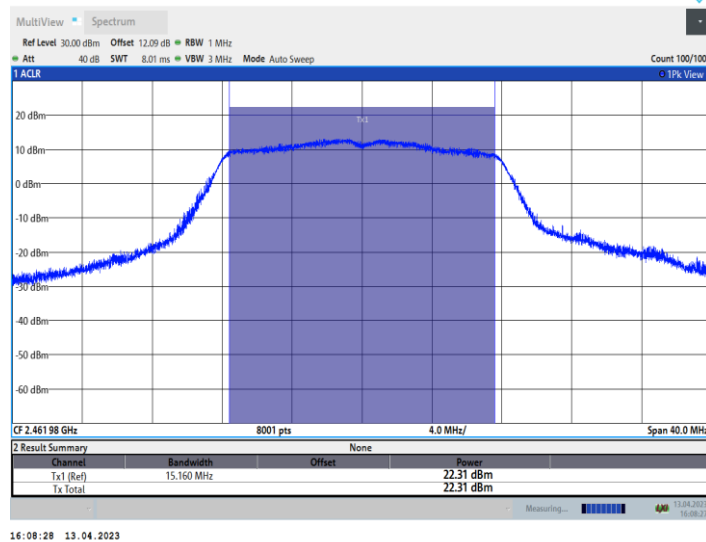
11G_Ant9_2412



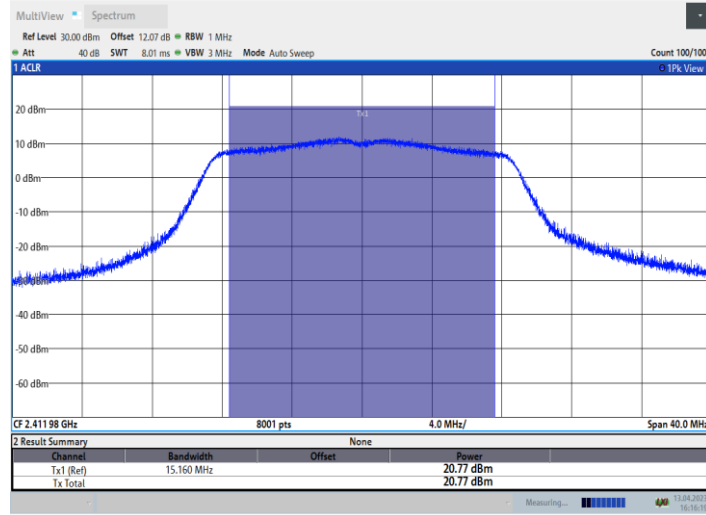
11G_Ant9_2437



11G_Ant9_2462

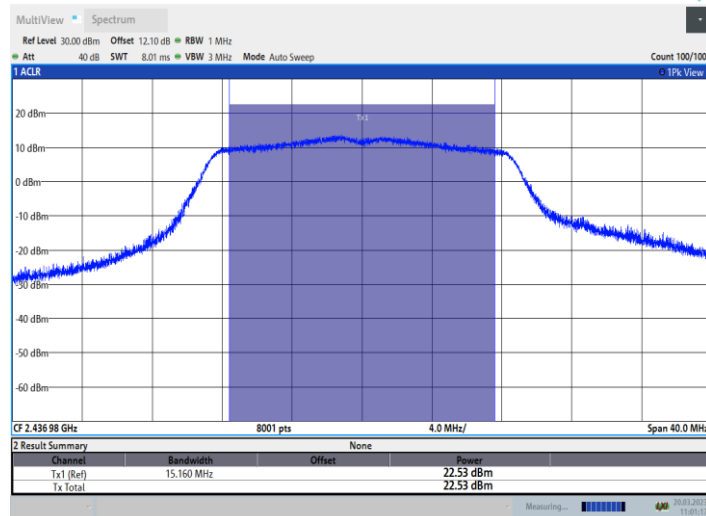


11N20_Ant9_2412



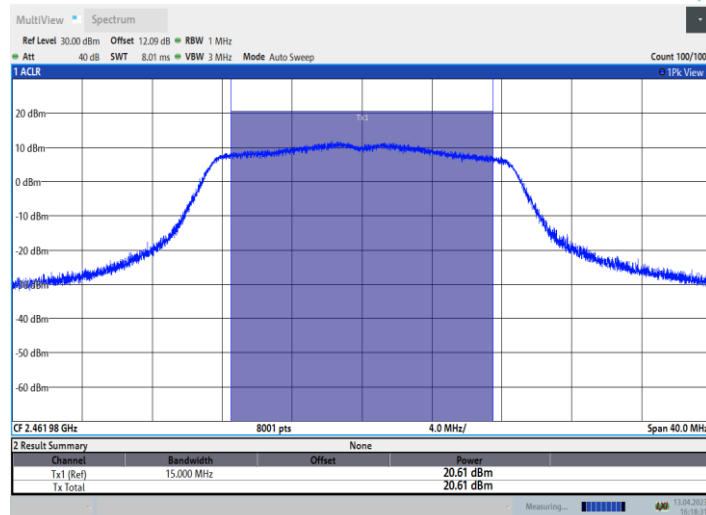
16:16:19 13. 04. 2023

11N20_Ant9_2437



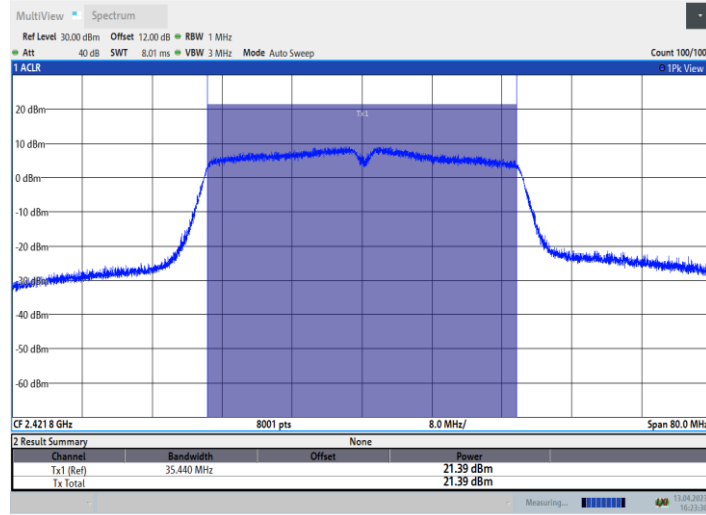
11:01:17 20. 03. 2023

11N20_Ant9_2462



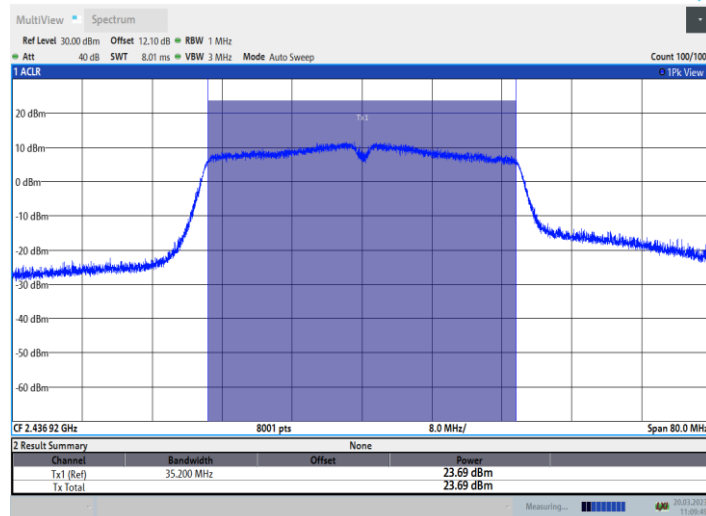
16:18:31 13. 04. 2023

11N40_Ant9_2422



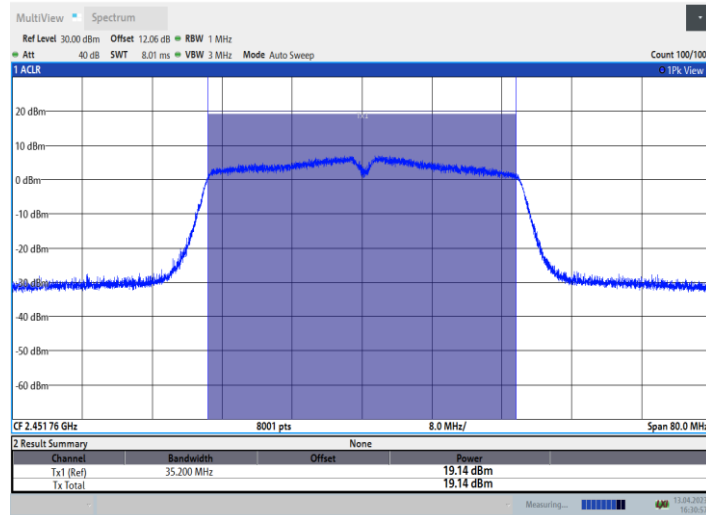
16:23:31 13.04.2023

11N40_Ant9_2437



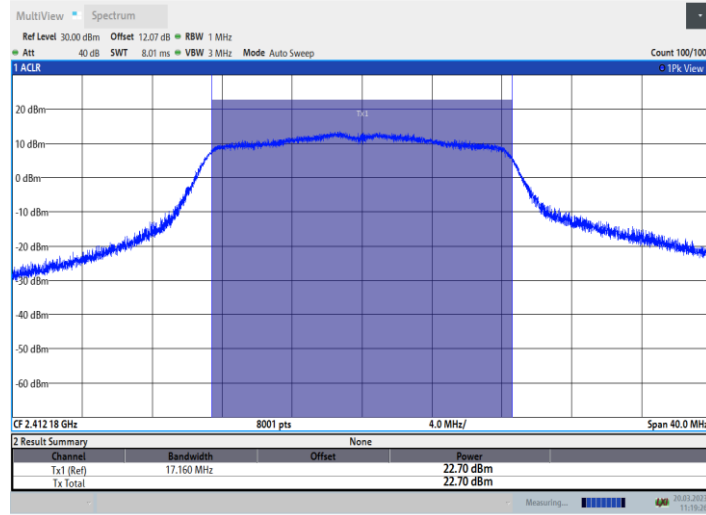
11:09:49 20.03.2023

11N40_Ant9_2452

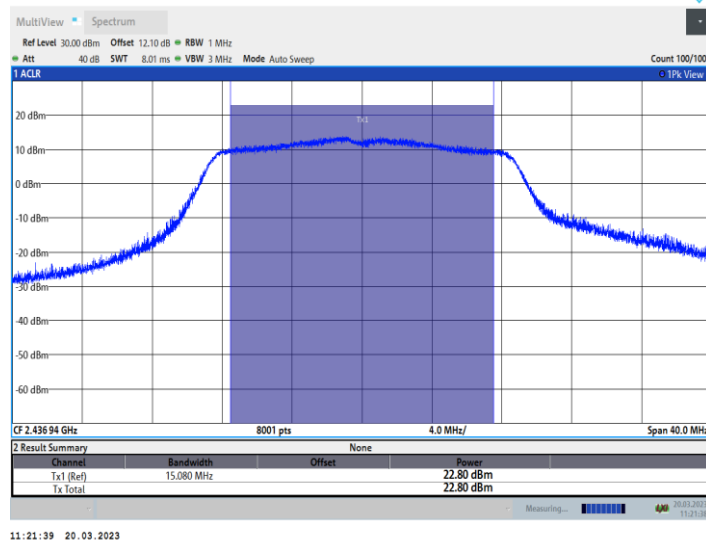


16:30:58 13.04.2023

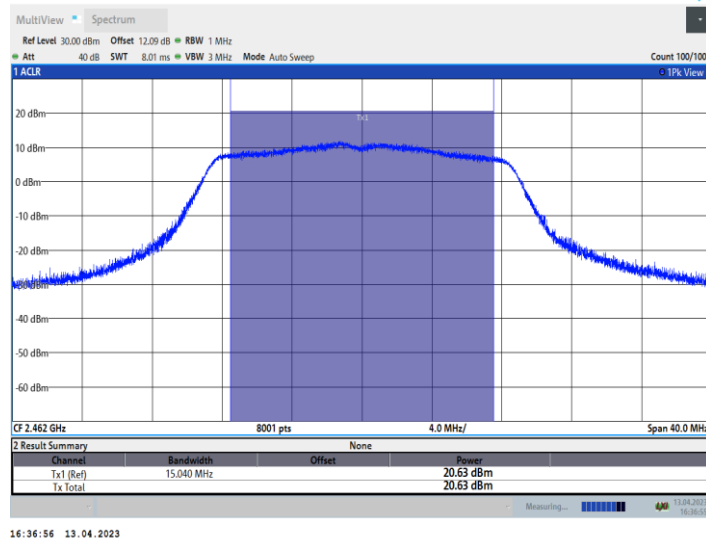
11AC20_Ant9_2412



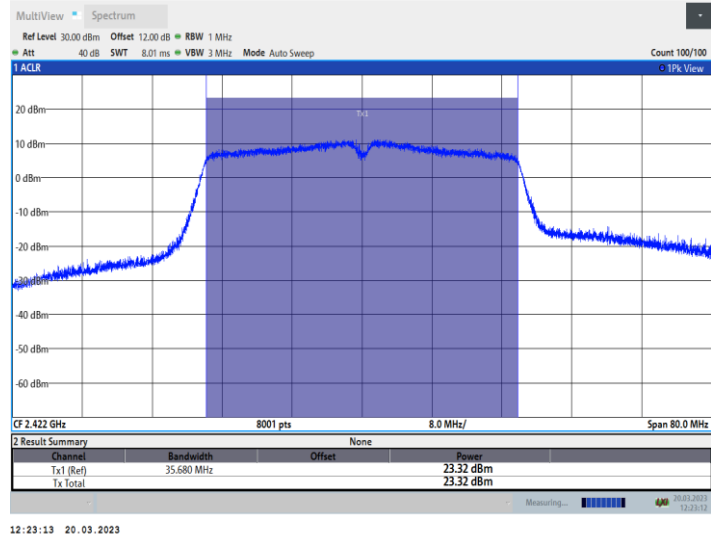
11AC20_Ant9_2437



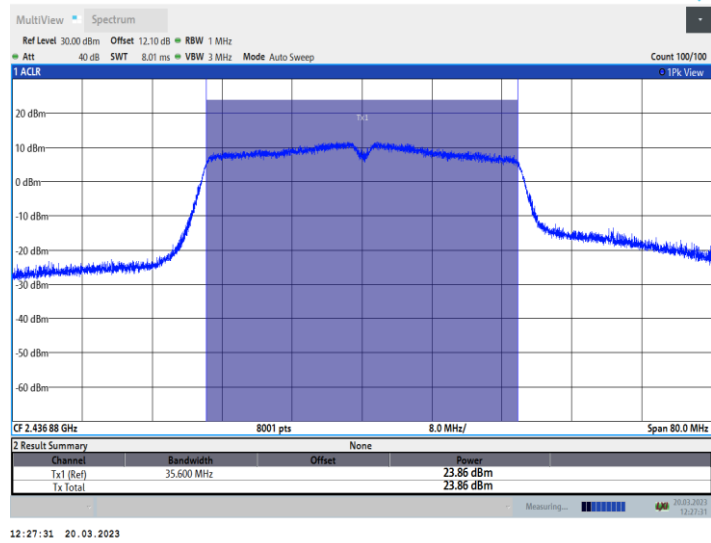
11AC20_Ant9_2462



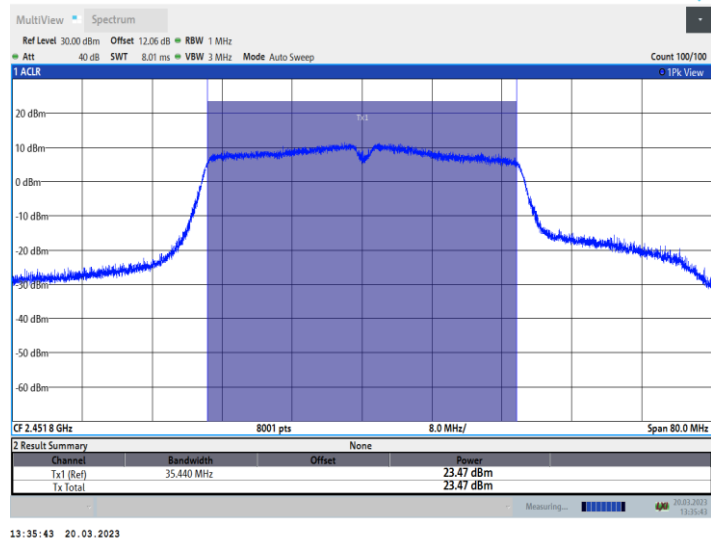
11AC40_Ant9_2422



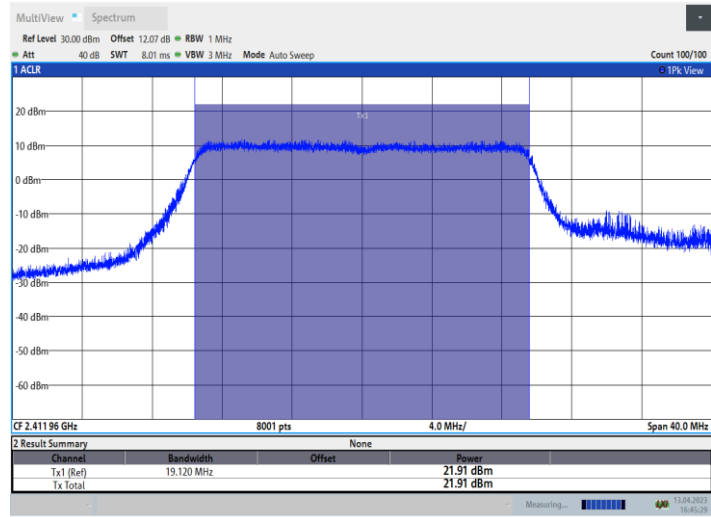
11AC40_Ant9_2437



11AC40_Ant9_2452

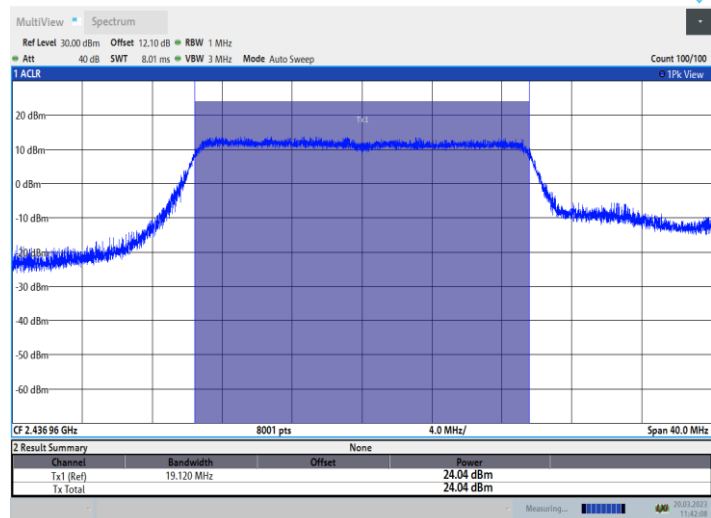


11AX20_Ant9_2412



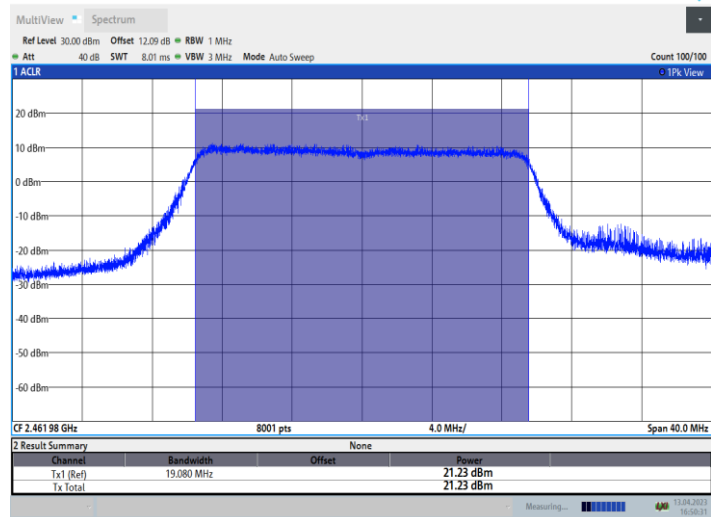
16:45:30 13.04.2023

11AX20_Ant9_2437



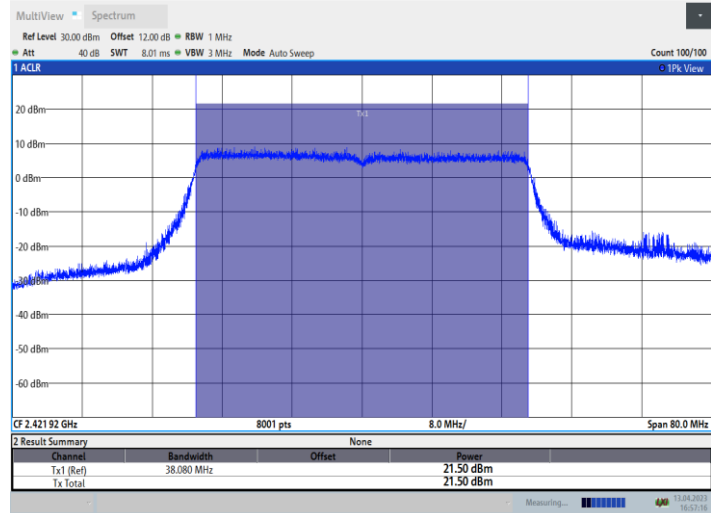
11:42:09 20.03.2023

11AX20_Ant9_2462



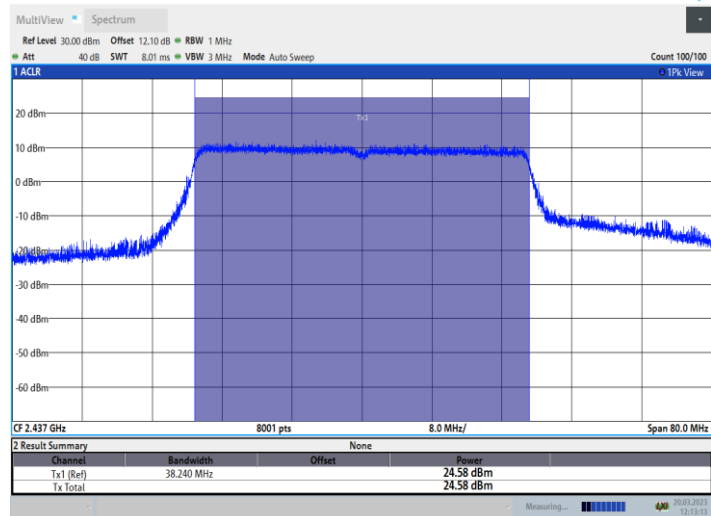
16:50:32 13.04.2023

11AX40_Ant9_2422



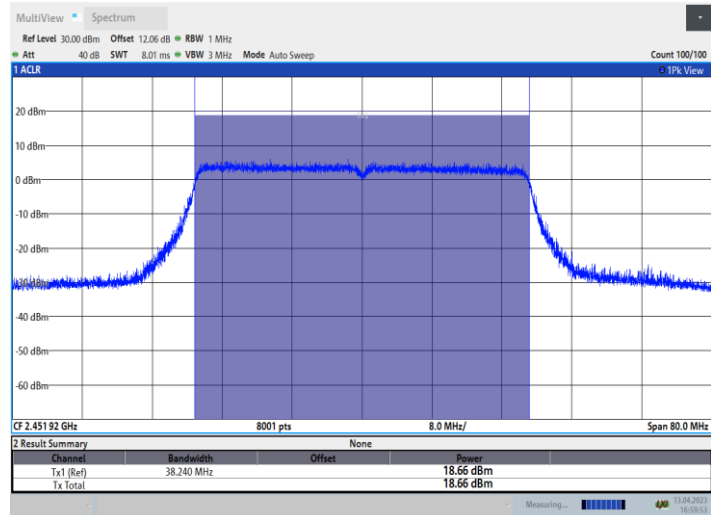
16:57:17 13.04.2023

11AX40_Ant9_2437



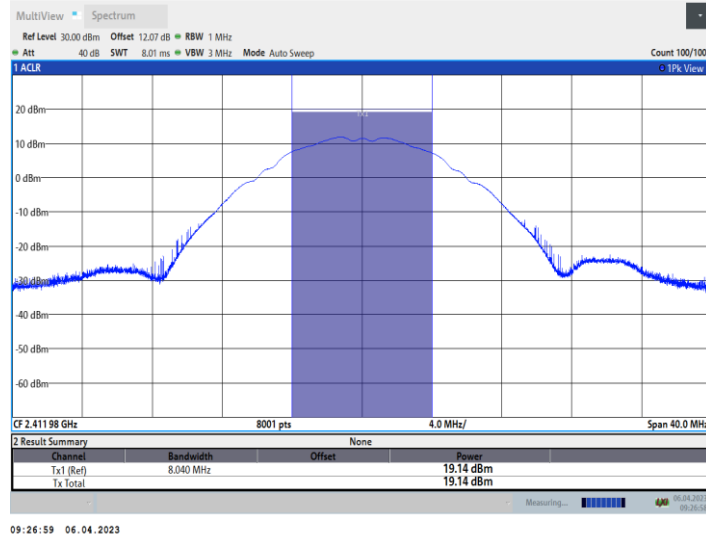
12:13:14 20.03.2023

11AX40_Ant9_2452

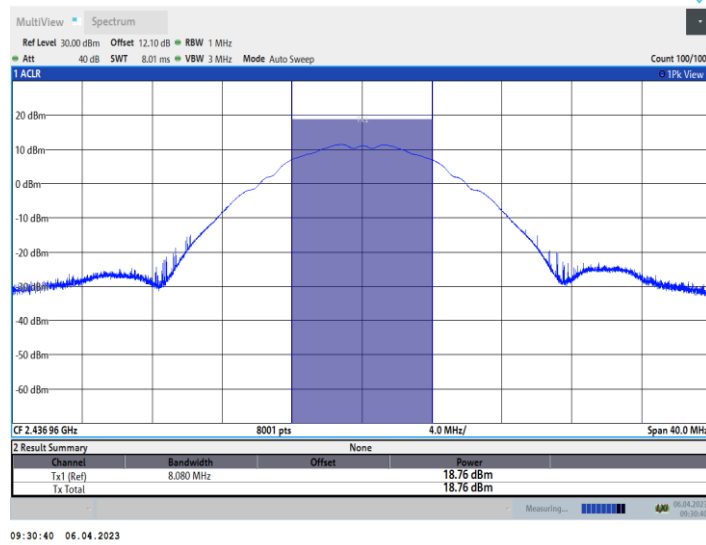


16:59:53 13.04.2023

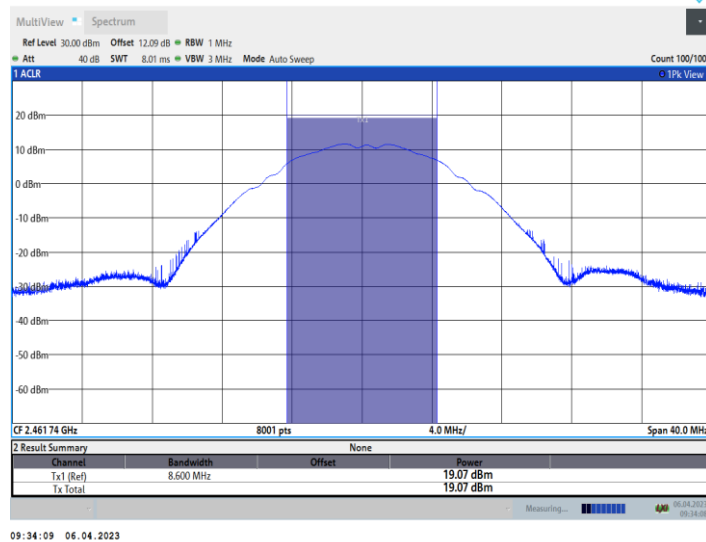
11B_Ant10_2412



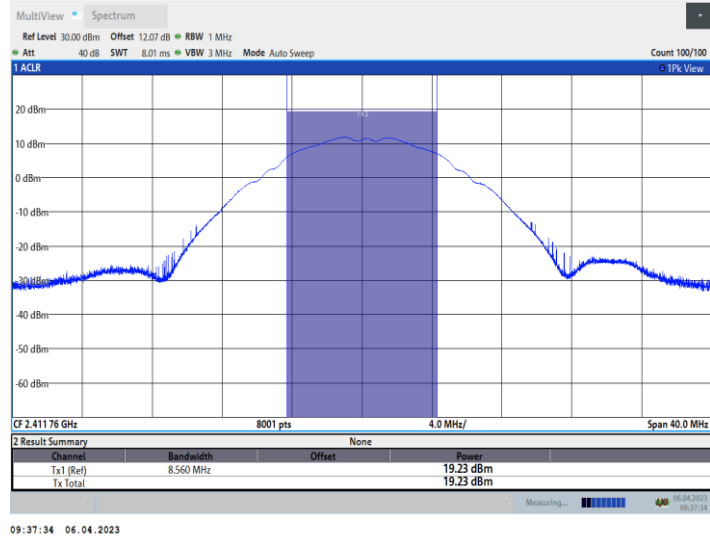
11B_Ant10_2437



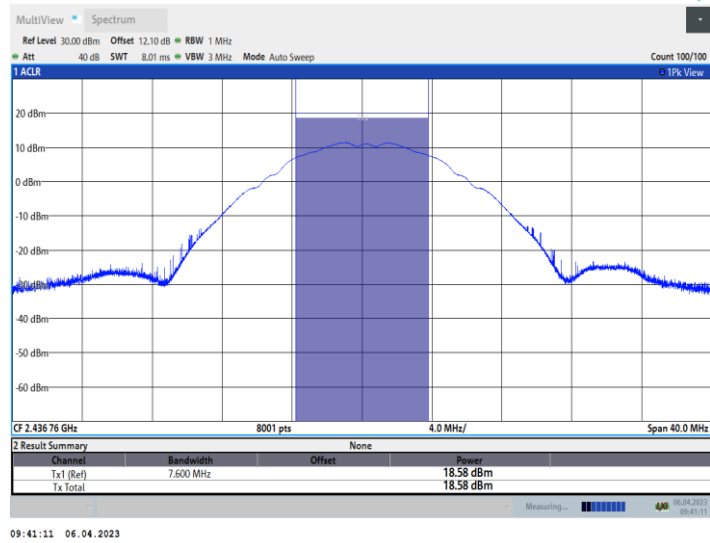
11B_Ant10_2462



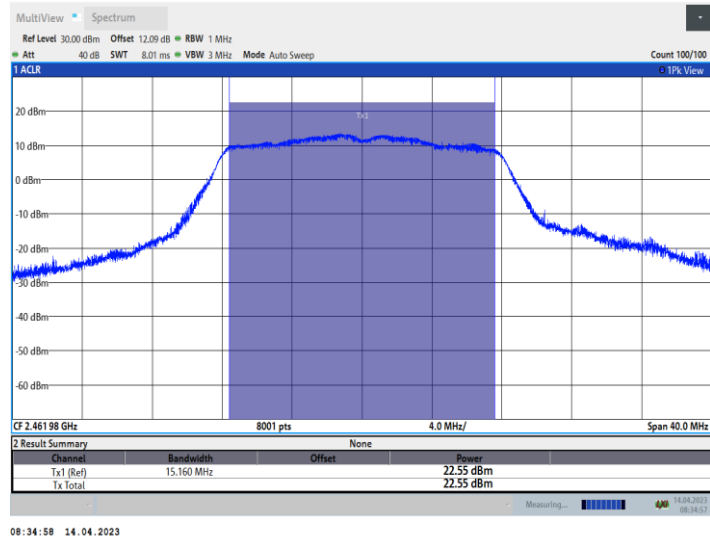
11G_Ant10_2412



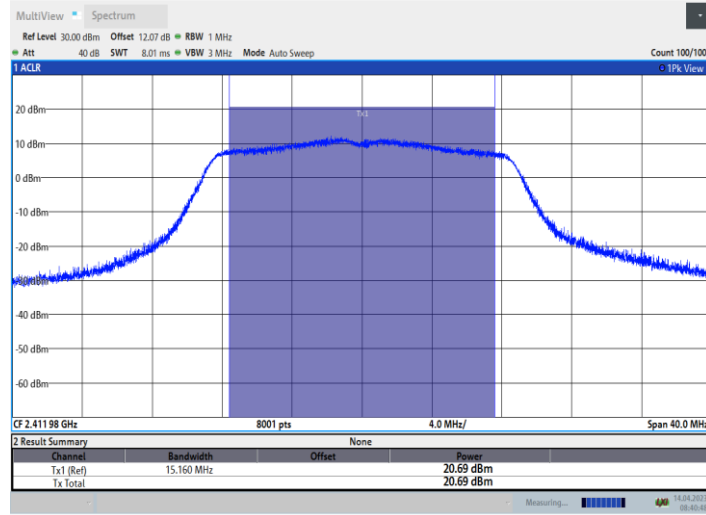
11G_Ant10_2437



11G_Ant10_2462

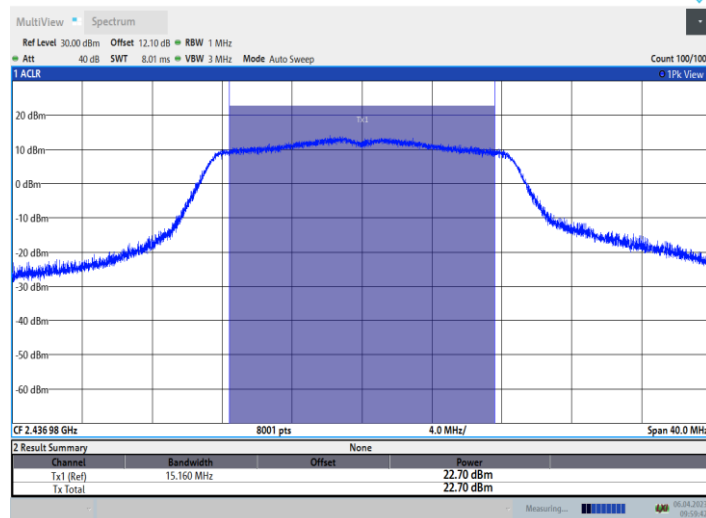


11N20_Ant10_2412



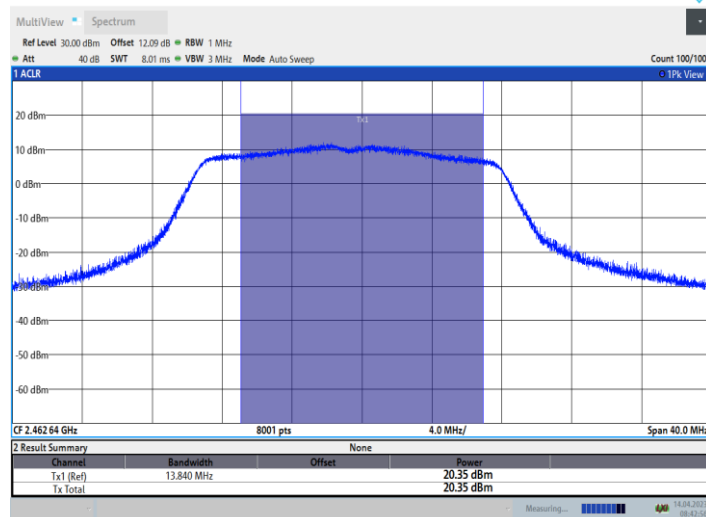
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11N20_Ant10_2437



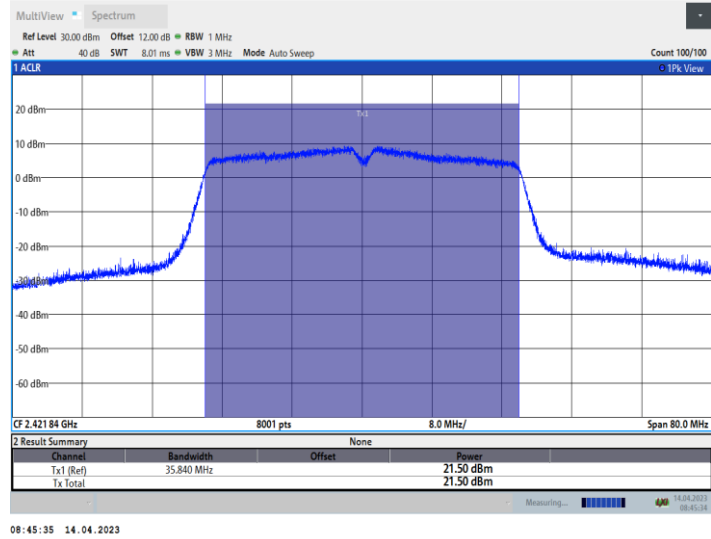
09:59:43 06.04.2023

11N20_Ant10_2462

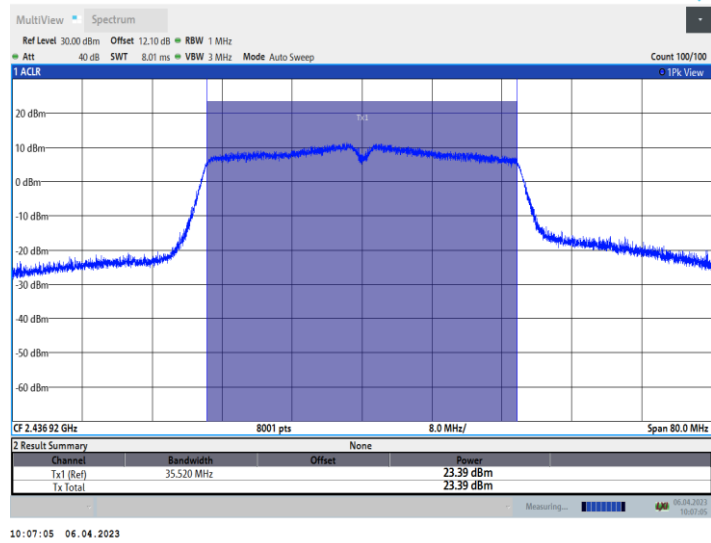


08:42:56 14.04.2023

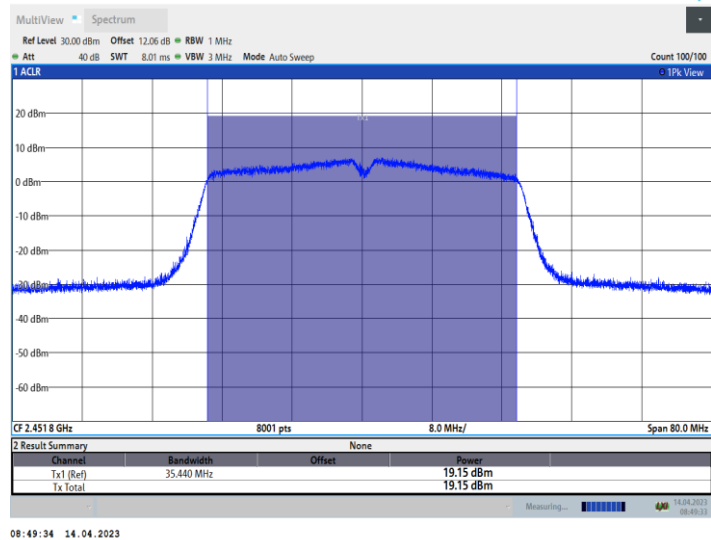
11N40_Ant10_2422



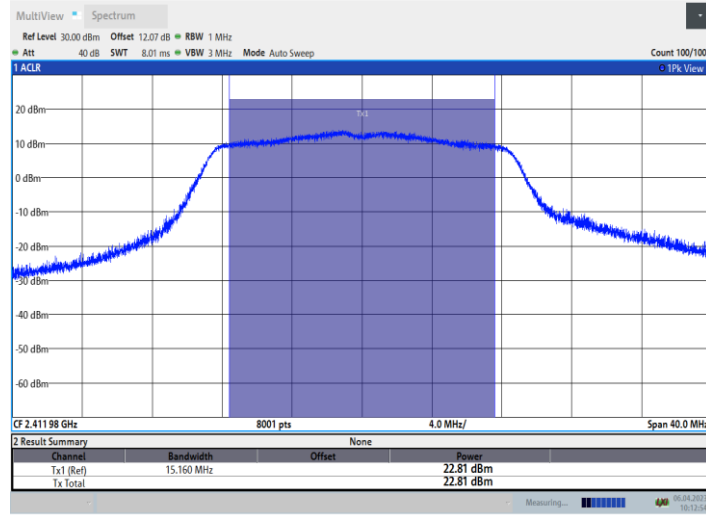
11N40_Ant10_2437



11N40_Ant10_2452

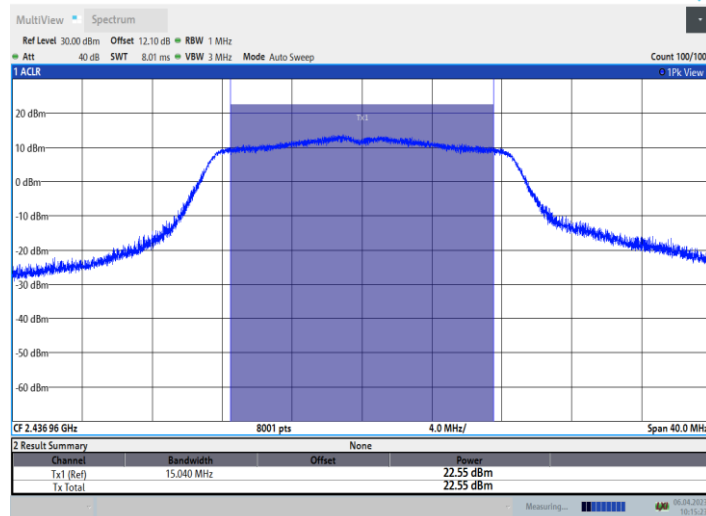


11AC20_Ant10_2412



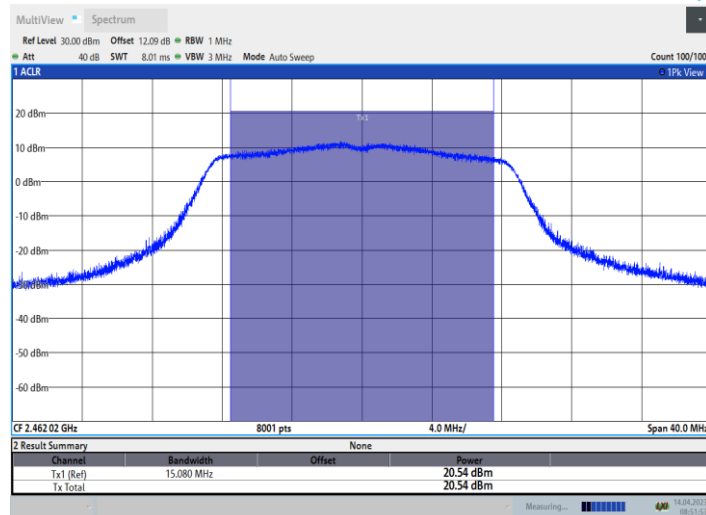
10:12:55 06.04.2023

11AC20_Ant10_2437



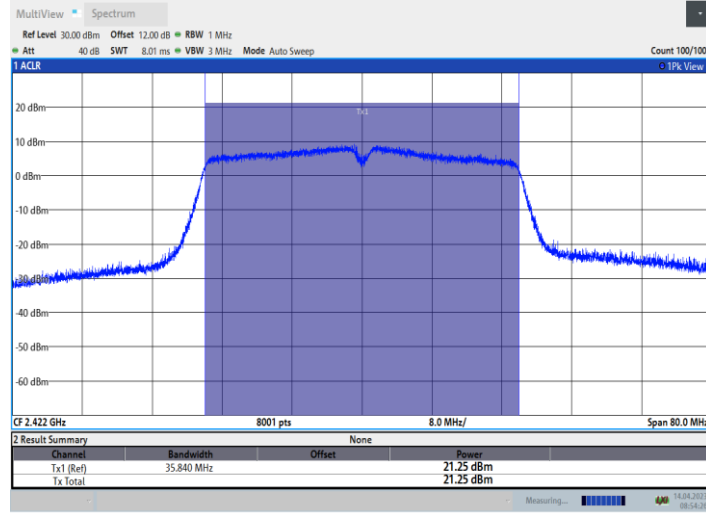
10:15:23 06.04.2023

11AC20_Ant10_2462



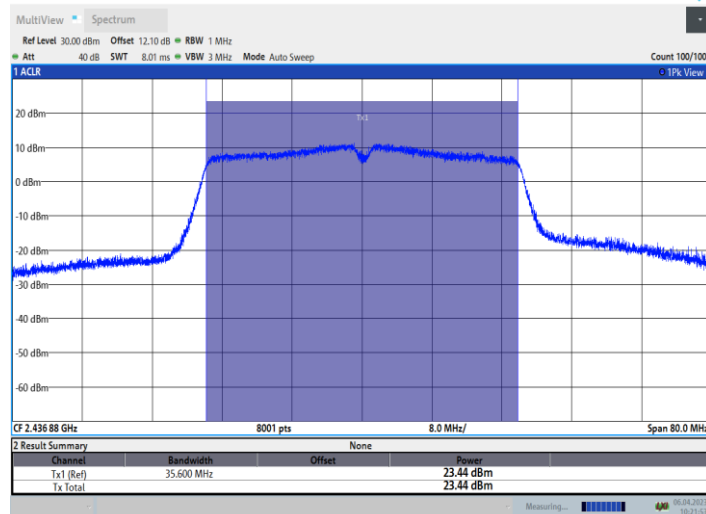
09:51:54 14.04.2023

11AC40_Ant10_2422



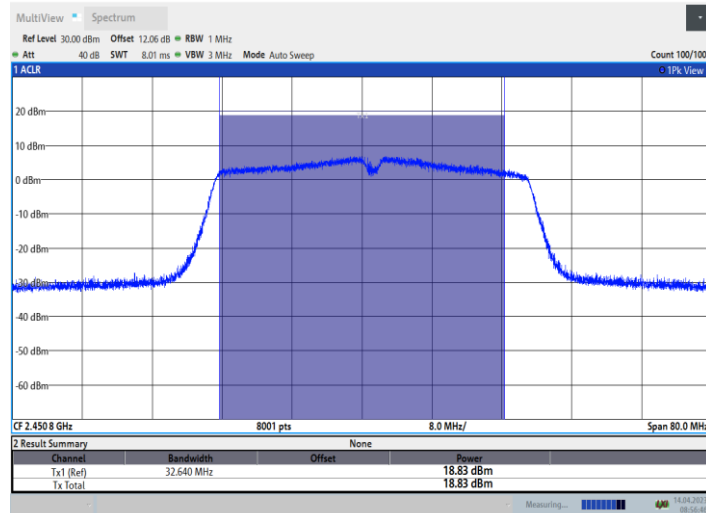
08:54:27 14.04.2023

11AC40_Ant10_2437



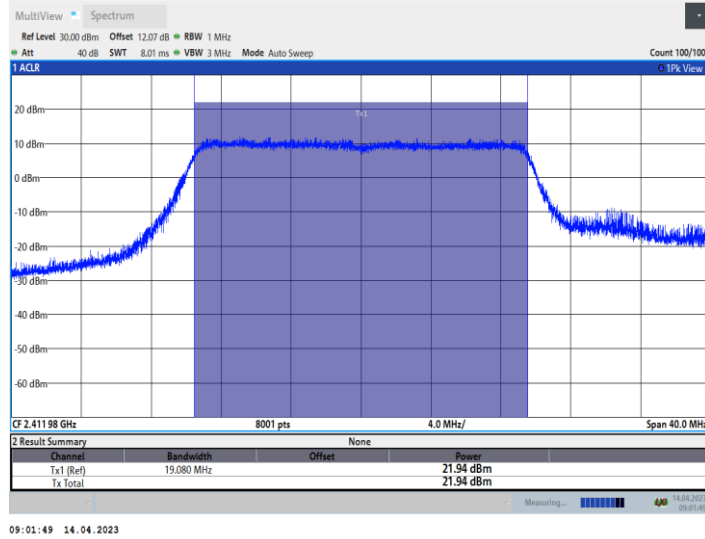
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11AC40_Ant10_2452

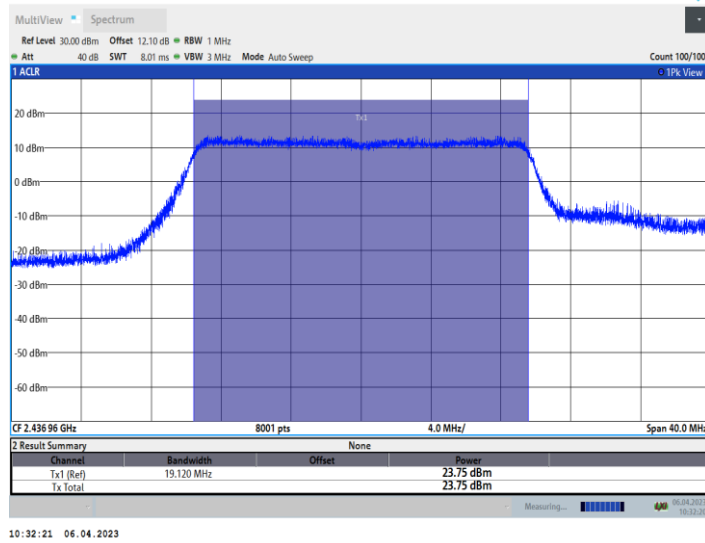


08:56:48 14.04.2023

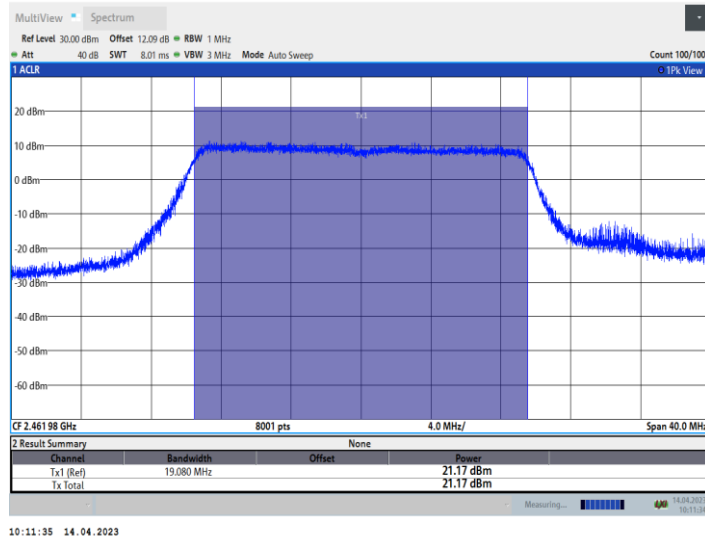
11AX20_Ant10_2412



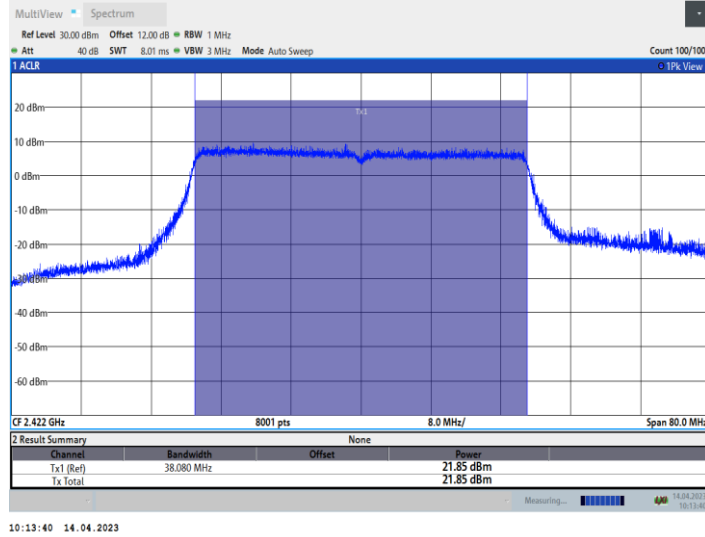
11AX20_Ant10_2437



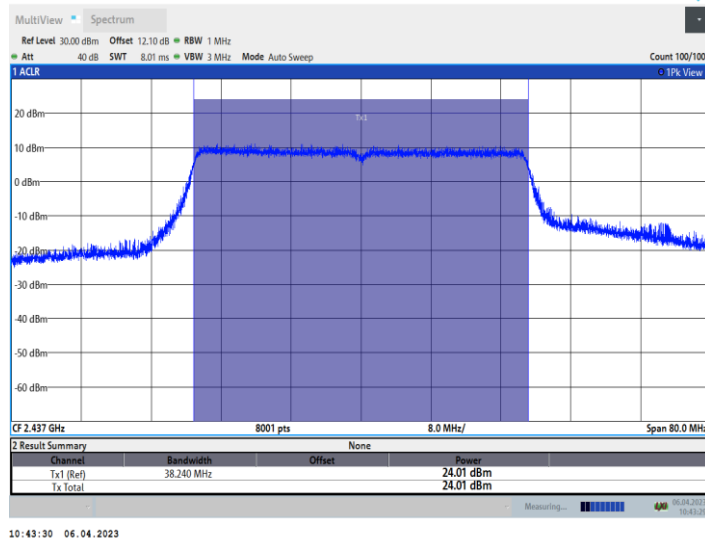
11AX20_Ant10_2462



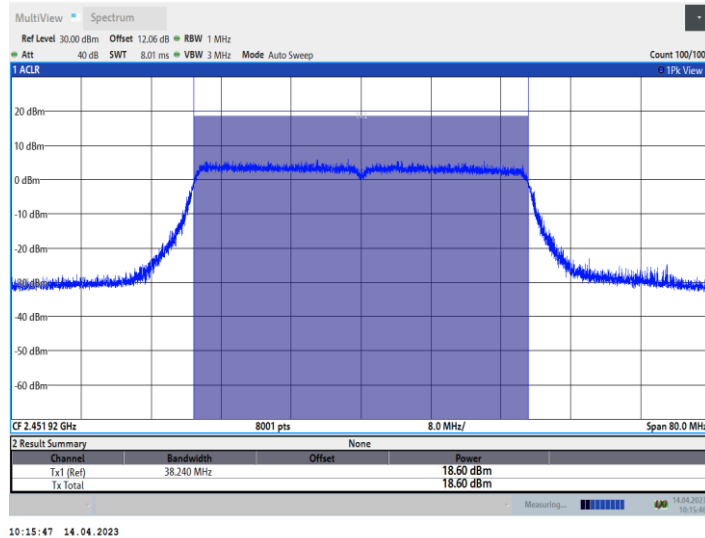
11AX40_Ant10_2422



11AX40_Ant10_2437



11AX40_Ant10_2452



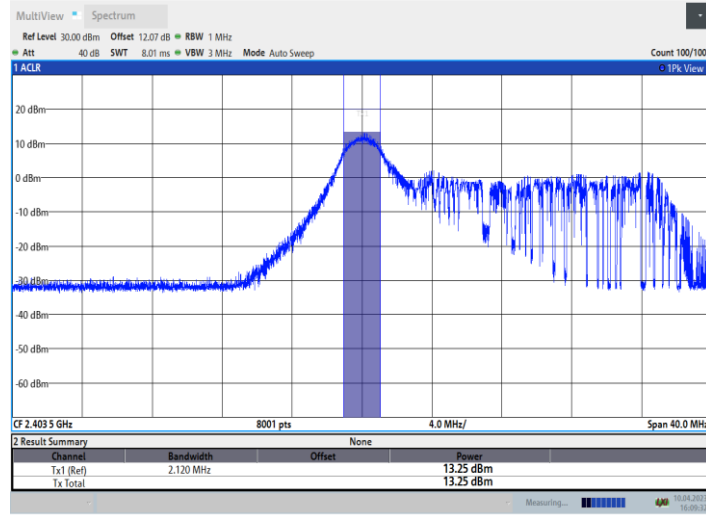
OFDMA Mode:

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Peak Power [dBm]	Conducted Power Limit[dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20	Ant9	2412	26Tone	RU0	13.25	≤30.00	0.5	13.75	≤36.00	PASS
			52Tone	RU37	14.77	≤30.00	0.5	15.27	≤36.00	PASS
			106Tone	RU53	18.96	≤30.00	0.5	19.46	≤36.00	PASS
		2437	26Tone	RU0	13.17	≤30.00	0.5	13.67	≤36.00	PASS
			52Tone	RU37	14.57	≤30.00	0.5	15.07	≤36.00	PASS
			106Tone	RU53	18.98	≤30.00	0.5	19.48	≤36.00	PASS
		2462	26Tone	RU0	13.45	≤30.00	0.5	13.95	≤36.00	PASS
			52Tone	RU37	14.81	≤30.00	0.5	15.31	≤36.00	PASS
			106Tone	RU53	19.28	≤30.00	0.5	19.78	≤36.00	PASS
11AX40	Ant9	2422	26Tone	RU0	13.69	≤30.00	0.5	14.19	≤36.00	PASS
			52Tone	RU37	14.10	≤30.00	0.5	14.60	≤36.00	PASS
			106Tone	RU53	19.51	≤30.00	0.5	20.01	≤36.00	PASS
			242Tone	RU61	21.99	≤30.00	0.5	22.49	≤36.00	PASS
		2437	26Tone	RU0	13.72	≤30.00	0.5	14.22	≤36.00	PASS
			52Tone	RU37	14.30	≤30.00	0.5	14.80	≤36.00	PASS
			106Tone	RU53	19.93	≤30.00	0.5	20.43	≤36.00	PASS
			242Tone	RU61	22.16	≤30.00	0.5	22.66	≤36.00	PASS
		2452	26Tone	RU0	13.32	≤30.00	0.5	13.82	≤36.00	PASS
			52Tone	RU37	13.79	≤30.00	0.5	14.29	≤36.00	PASS
			106Tone	RU53	19.47	≤30.00	0.5	19.97	≤36.00	PASS
			242Tone	RU61	22.00	≤30.00	0.5	22.50	≤36.00	PASS

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Peak Power [dBm]	Conducted Power Limit[dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20	Ant10	2412	26Tone	RU0	13.18	≤30.00	-0.5	12.68	≤36.00	PASS
			52Tone	RU37	14.72	≤30.00	-0.5	14.22	≤36.00	PASS
			106Tone	RU53	18.90	≤30.00	-0.5	18.40	≤36.00	PASS
		2437	26Tone	RU0	13.34	≤30.00	-0.5	12.84	≤36.00	PASS
			52Tone	RU37	14.63	≤30.00	-0.5	14.13	≤36.00	PASS
			106Tone	RU53	18.96	≤30.00	-0.5	18.46	≤36.00	PASS
		2462	26Tone	RU0	13.32	≤30.00	-0.5	12.82	≤36.00	PASS
			52Tone	RU37	14.84	≤30.00	-0.5	14.34	≤36.00	PASS
			106Tone	RU53	19.25	≤30.00	-0.5	18.75	≤36.00	PASS
11AX40	Ant10	2422	26Tone	RU0	13.51	≤30.00	-0.5	13.01	≤36.00	PASS
			52Tone	RU37	13.97	≤30.00	-0.5	13.47	≤36.00	PASS
			106Tone	RU53	19.65	≤30.00	-0.5	19.15	≤36.00	PASS
			242Tone	RU61	13.72	≤30.00	-0.5	13.22	≤36.00	PASS
		2437	26Tone	RU0	14.20	≤30.00	-0.5	13.70	≤36.00	PASS
			52Tone	RU37	19.62	≤30.00	-0.5	19.12	≤36.00	PASS
			106Tone	RU53	13.38	≤30.00	-0.5	12.88	≤36.00	PASS
			242Tone	RU61	13.74	≤30.00	-0.5	13.24	≤36.00	PASS
		2452	26Tone	RU0	19.16	≤30.00	-0.5	18.66	≤36.00	PASS
			52Tone	RU37	13.18	≤30.00	-0.5	12.68	≤36.00	PASS
			106Tone	RU53	14.72	≤30.00	-0.5	14.22	≤36.00	PASS
			242Tone	RU61	18.90	≤30.00	-0.5	18.40	≤36.00	PASS

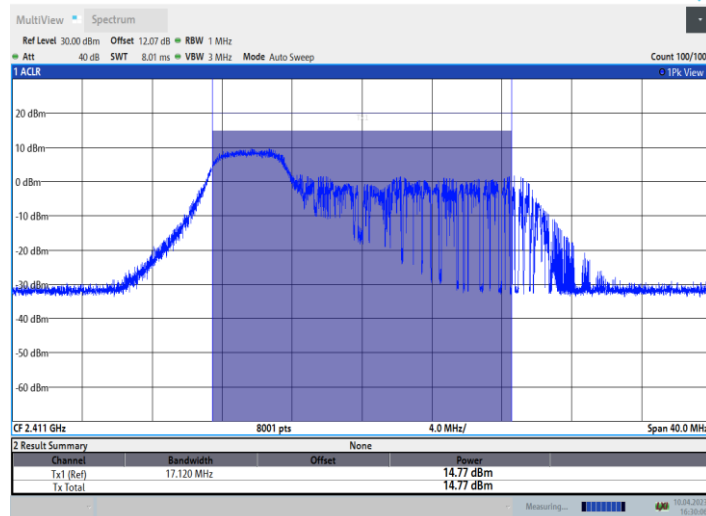
Test Mode	Frequency [MHz]	Ru Size	Ru Index	Peak Power [dBm]			Conducted Power Limit [dBm]	Directional gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
				Ant9	Ant10	Total (Ant9+Ant10)					
11AX20 MIMO	2412	26Tone	RU0	13.25	13.18	16.23	≤30.00	3.02	19.25	≤36.00	PASS
		52Tone	RU37	14.77	14.72	17.76	≤30.00	3.02	20.78	≤36.00	PASS
		106Tone	RU53	18.96	18.90	21.94	≤30.00	3.02	24.96	≤36.00	PASS
	2437	26Tone	RU0	13.17	13.34	16.27	≤30.00	3.02	19.29	≤36.00	PASS
		52Tone	RU37	14.57	14.63	17.61	≤30.00	3.02	20.63	≤36.00	PASS
		106Tone	RU53	18.98	18.96	21.98	≤30.00	3.02	25.00	≤36.00	PASS
	2462	26Tone	RU0	13.45	13.32	16.40	≤30.00	3.02	19.42	≤36.00	PASS
		52Tone	RU37	14.81	14.84	17.84	≤30.00	3.02	20.86	≤36.00	PASS
		106Tone	RU53	19.28	19.25	22.28	≤30.00	3.02	25.30	≤36.00	PASS
11AX40 MIMO	2422	26Tone	RU0	13.69	13.51	16.61	≤30.00	3.02	19.63	≤36.00	PASS
		52Tone	RU37	14.10	13.97	17.05	≤30.00	3.02	20.07	≤36.00	PASS
		106Tone	RU53	19.51	19.65	22.59	≤30.00	3.02	25.61	≤36.00	PASS
		242Tone	RU61	21.99	13.72	22.59	≤30.00	3.02	25.61	≤36.00	PASS
	2437	26Tone	RU0	13.72	14.20	16.98	≤30.00	3.02	20.00	≤36.00	PASS
		52Tone	RU37	14.30	19.62	20.74	≤30.00	3.02	23.76	≤36.00	PASS
		106Tone	RU53	19.93	13.38	20.80	≤30.00	3.02	23.82	≤36.00	PASS
		242Tone	RU61	22.16	13.74	22.74	≤30.00	3.02	25.76	≤36.00	PASS
	2452	26Tone	RU0	13.32	19.16	20.17	≤30.00	3.02	23.19	≤36.00	PASS
		52Tone	RU37	13.79	13.18	16.51	≤30.00	3.02	19.53	≤36.00	PASS
		106Tone	RU53	19.47	14.72	20.72	≤30.00	3.02	23.74	≤36.00	PASS
		242Tone	RU61	22.00	18.90	23.73	≤30.00	3.02	26.75	≤36.00	PASS

11AX20_Ant9_2412_26Tone_RU0



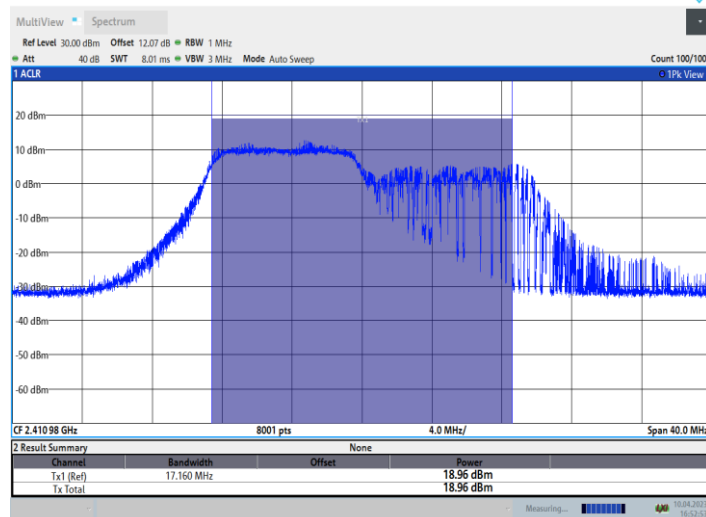
16:09:32 10.04.2023

11AX20_Ant9_2412_52Tone_RU37



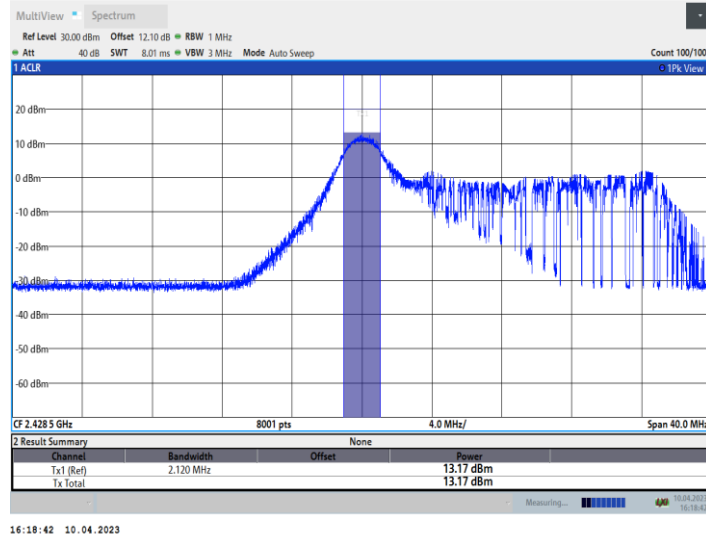
16:30:07 10.04.2023

11AX20_Ant9_2412_106Tone_RU53

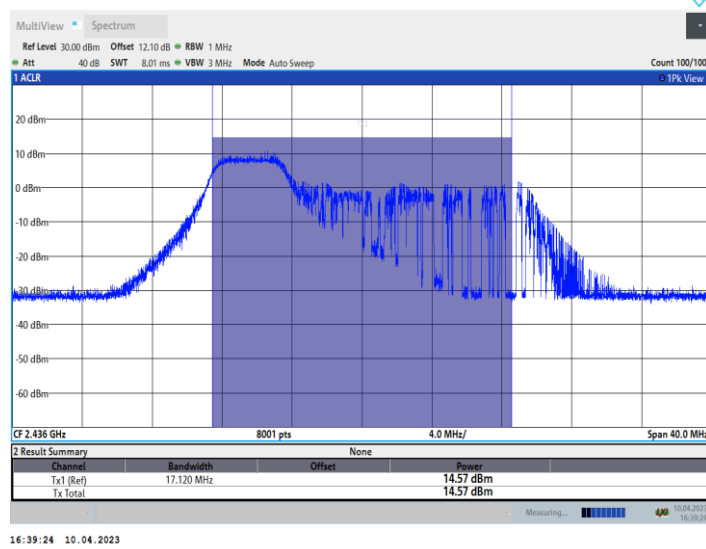


16:52:53 10.04.2023

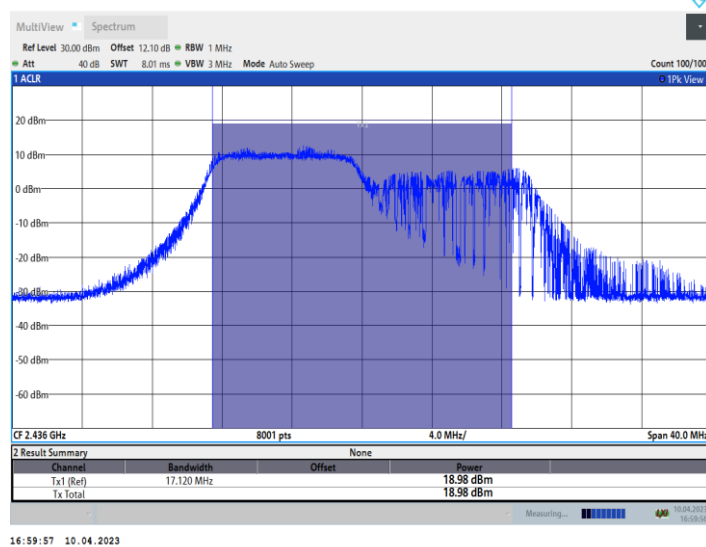
11AX20_Ant9_2437_26Tone_RU0



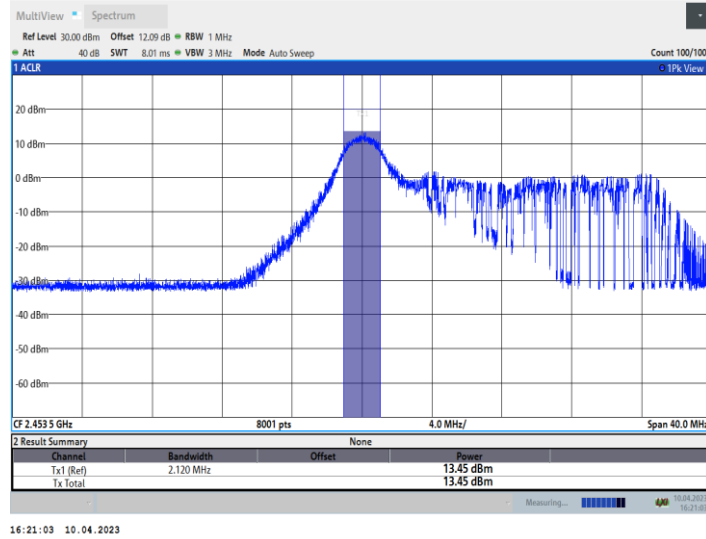
11AX20_Ant9_2437_52Tone_RU37



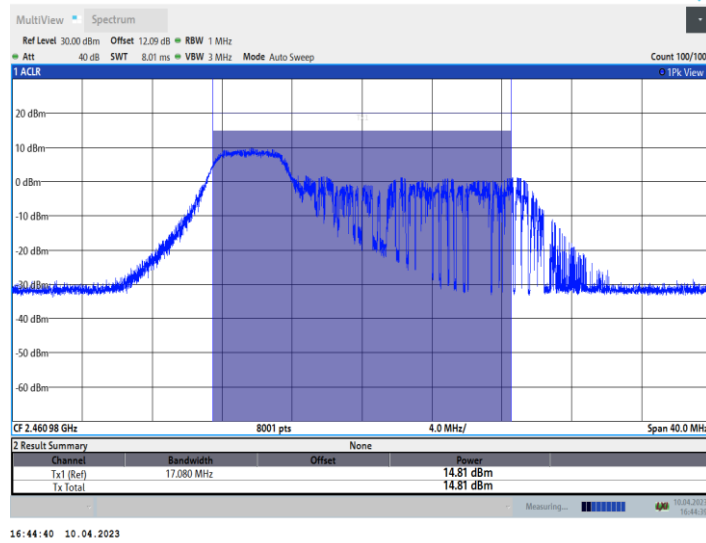
11AX20_Ant9_2437_106Tone_RU53



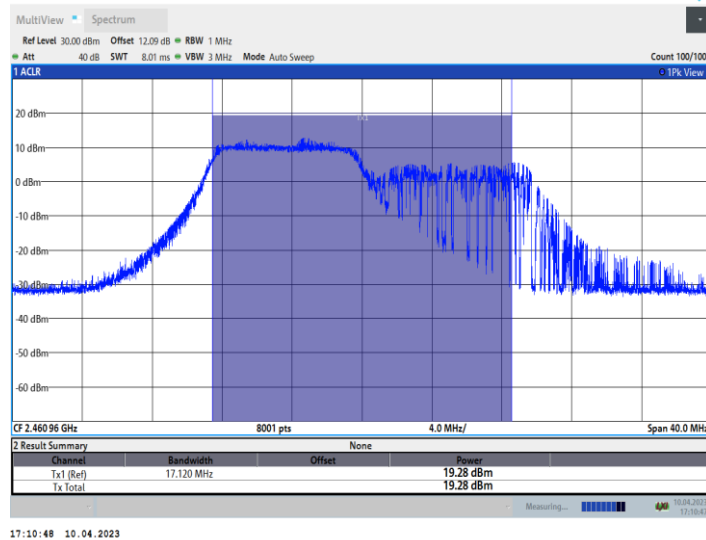
11AX20_Ant9_2462_26Tone_RU0



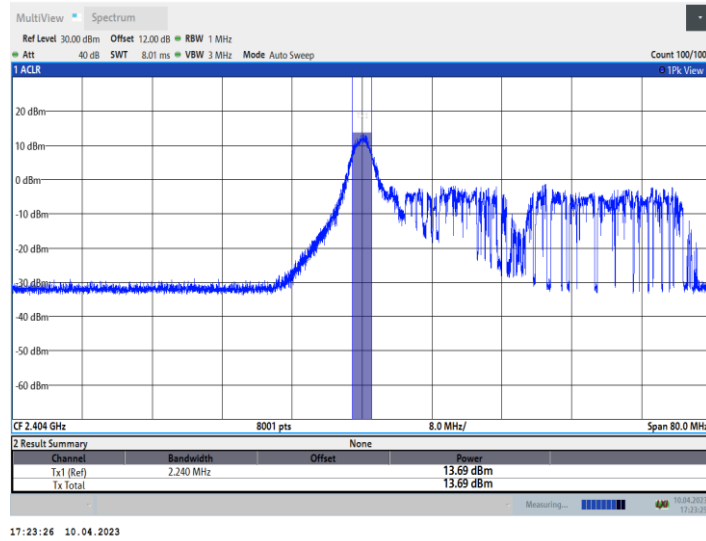
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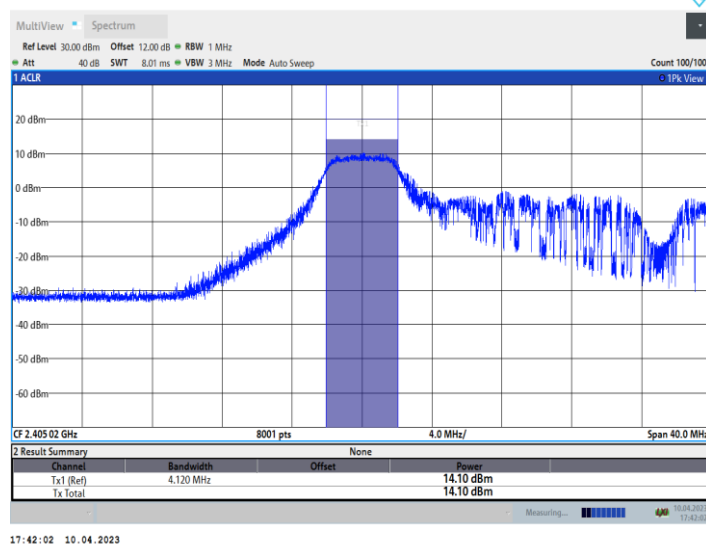
11AX20_Ant9_2462_106Tone_RU53



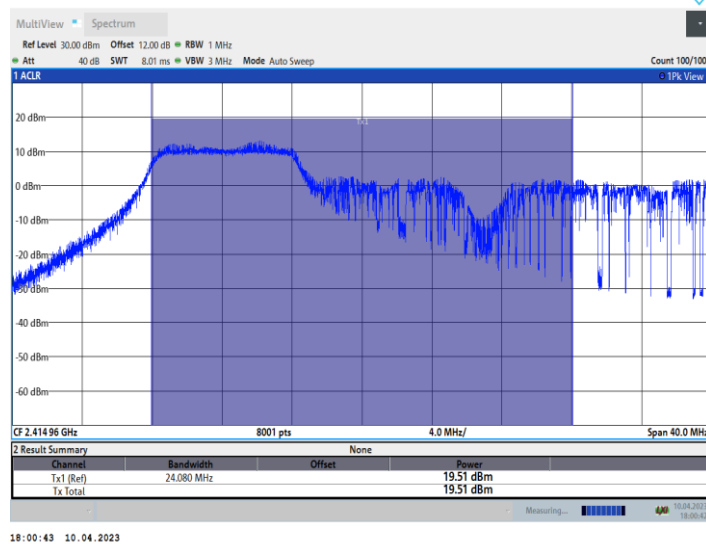
11AX40_Ant9_2422_26Tone_RU0



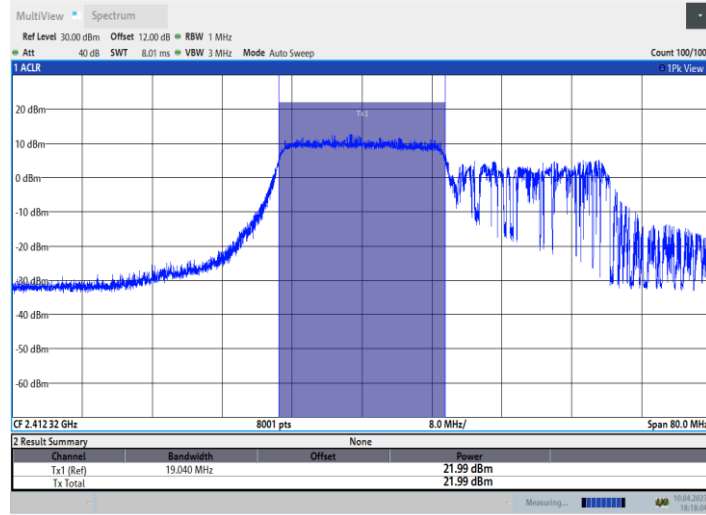
11AX40_Ant9_2422_52Tone_RU37



11AX40_Ant9_2422_106Tone_RU53

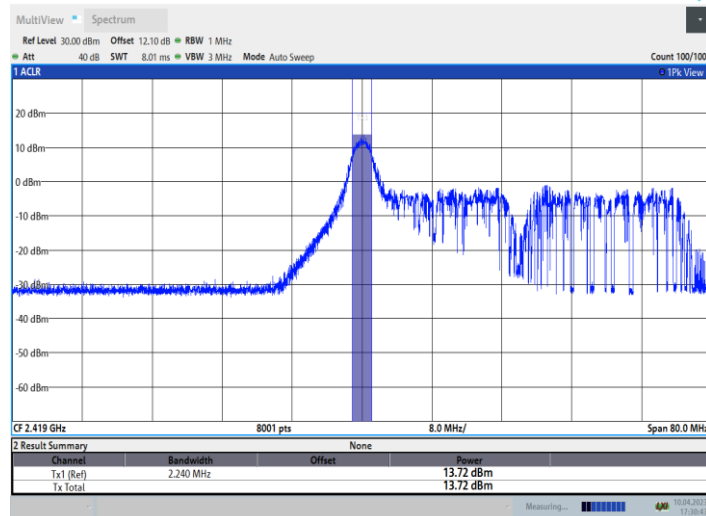


11AX40_Ant9_2422_242Tone_RU61



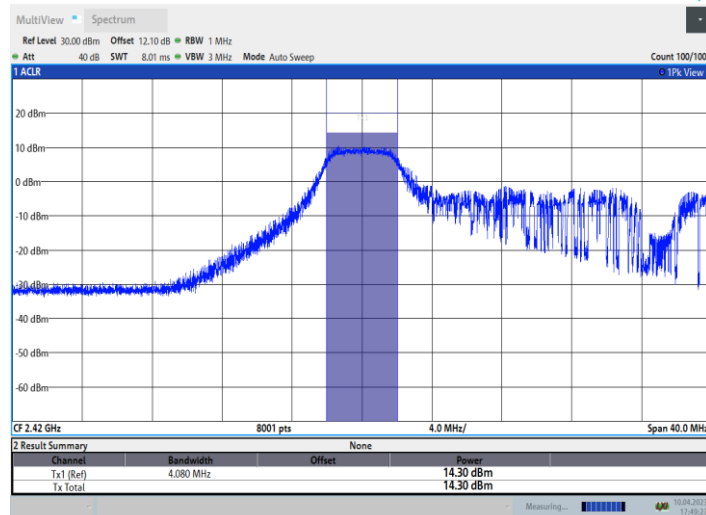
18:19:04 10.04.2023

11AX40_Ant9_2437_26Tone_RU0



17:30:44 10.04.2023

11AX40_Ant9_2437_52Tone_RU37



17:49:24 10.04.2023